Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\
Data File : ADPL7.D
Acq On : 21 Nov 2020 3:28 am
Operator : Buffy:als
Sample : IL24,32,,ADPL50 Lot# 9038
Misc : WG1439209,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 24 16:13:48 2020
Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 24 16:12:06 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201120ical\ADPL7.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.013	152	253596	40.000	ug/ml	0.00
Standard Area 1 = 253596			Recovery = 100.00%			
86) IS3_Acenaphthene-d10	6.640	164	583085	40.000	ug/ml	0.00
Standard Area 1 = 582948			Recovery = 100.02%			
100) IS3_Phenanthrene-d10	7.933	188	1256978	40.000	ug/ml	0.00
Standard Area 1 = 1256978			Recovery = 100.00%			
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.628	88	120583	45.197	ug/ml	89
34) n-Decane	3.908	57	323012	43.278	ug/ml	96
87) Atrazine	7.727	200	233145	46.323	ug/ml	99
101) n-Octadecane	7.909	57	501586	45.996	ug/ml#	85
102) Parathion	8.638	109	153140	40.619	ug/ml	97
103) 3,3'-Dimethylbenzidine	9.913	212	998661	41.228	ug/ml	100

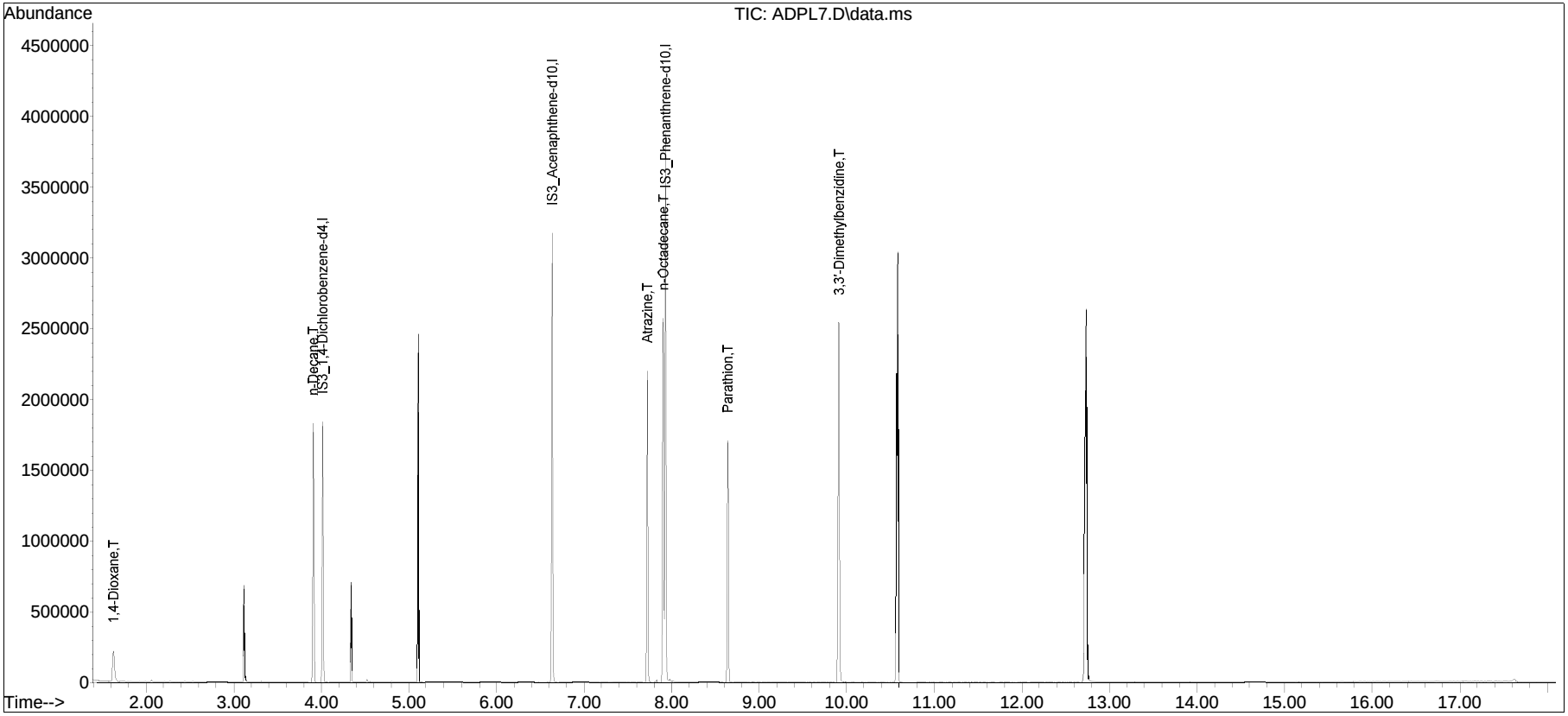
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\
Data File : ADPL7.D
Acq On : 21 Nov 2020 3:28 am
Operator : Buffy:als
Sample : IL24,32,,ADPL50 Lot# 9038
Misc : WG1439209,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 24 16:13:48 2020
Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 24 16:12:06 2020
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistal\ADPL7.D•



Manual Integration Report

Data Path	: I:\8270\Buffy\201120ical\	QMethod	: FS201120buffy.m
Data File	: ADPL7.D	Operator	: Buffy:als
Date Inj'd	: 11/21/2020 3:28 am	Instrument	: Buffy
Sample	: IL24,32,,ADPL50 Lot# 9038	Quant Date	: 11/24/2020 4:13 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\
Data File : ADPL6.D
Acq On : 21 Nov 2020 3:51 am
Operator : Buffy:als
Sample : IL25,32,,ADPL20 Lot# 8924
Misc : WG1439209,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 30 08:16:10 2020
Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 30 08:16:01 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201120ical\ADPL7.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.013	152	245435	40.000	ug/ml	0.00
Standard Area 1 = 253596			Recovery =	96.78%		
86) IS3_Acenaphthene-d10	6.640	164	566438	40.000	ug/ml	0.00
Standard Area 1 = 582948			Recovery =	97.17%		
100) IS3_Phenanthrene-d10	7.932	188	1204237	40.000	ug/ml	0.00
Standard Area 1 = 1256978			Recovery =	95.80%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.628	88	47640	18.256	ug/ml#	88
34) n-Decane	3.908	57	132998	18.412	ug/ml	96
87) Atrazine	7.727	200	91090	18.630	ug/ml	99
101) n-Octadecane	7.909	57	200874	19.227	ug/ml#	85
102) Parathion	8.637	109	53299	17.040	ug/ml	95
103) 3,3'-Dimethylbenzidine	9.906	212	367555	17.150	ug/ml	99

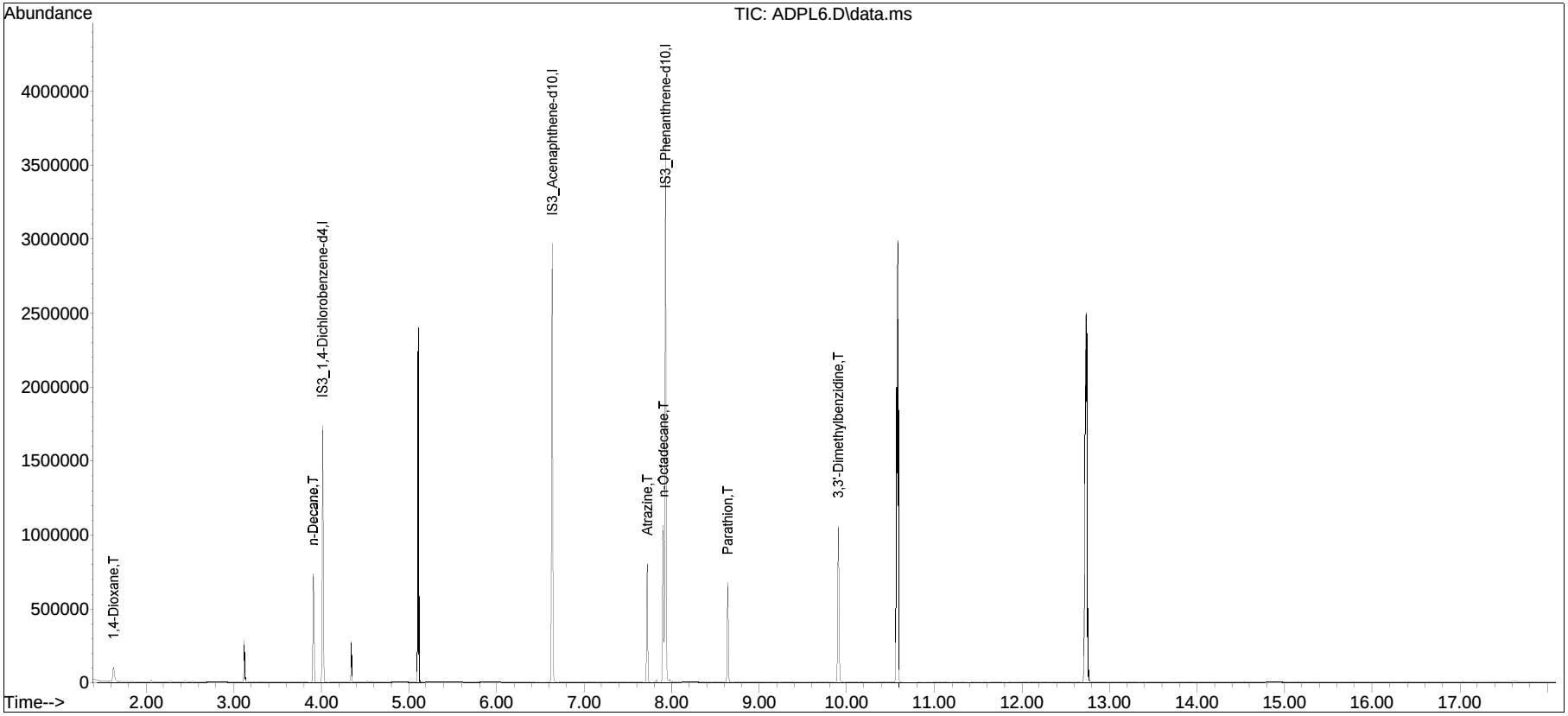
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\
Data File : ADPL6.D
Acq On : 21 Nov 2020 3:51 am
Operator : Buffy:als
Sample : IL25,32,,ADPL20 Lot# 8924
Misc : WG1439209,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 30 08:16:10 2020
Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 30 08:16:01 2020
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistal\ADPL7.D•



Manual Integration Report

Data Path	: I:\8270\Buffy\201120ical\	QMethod	: FS201120buffy.m
Data File	: ADPL6.D	Operator	: Buffy:als
Date Inj'd	: 11/21/2020 3:51 am	Instrument	: Buffy
Sample	: IL25,32,,ADPL20 Lot# 8924	Quant Date	: 11/30/2020 8:16 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\
Data File : ADPL5.D
Acq On : 21 Nov 2020 4:13 am
Operator : Buffy:als
Sample : IL26,32,,ADPL10 Lot# 8923
Misc : WG1439209,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 30 08:15:48 2020
Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 30 08:15:38 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201120ical\ADPL7.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.014	152	234891	40.000	ug/ml	0.00
Standard Area 1 = 253596			Recovery =	92.62%		
86) IS3_Acenaphthene-d10	6.640	164	536393	40.000	ug/ml	0.00
Standard Area 1 = 582948			Recovery =	92.01%		
100) IS3_Phenanthrene-d10	7.933	188	1138239	40.000	ug/ml	0.00
Standard Area 1 = 1256978			Recovery =	90.55%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.634	88	23553	9.272	ug/ml#	87
34) n-Decane	3.908	57	66777	9.659	ug/ml	95
87) Atrazine	7.727	200	41556	8.975	ug/ml	100
101) n-Octadecane	7.909	57	97598	9.883	ug/ml#	84
102) Parathion	8.638	109	23015	9.733	ug/ml	94
103) 3,3'-Dimethylbenzidine	9.907	212	161357	9.106	ug/ml	98

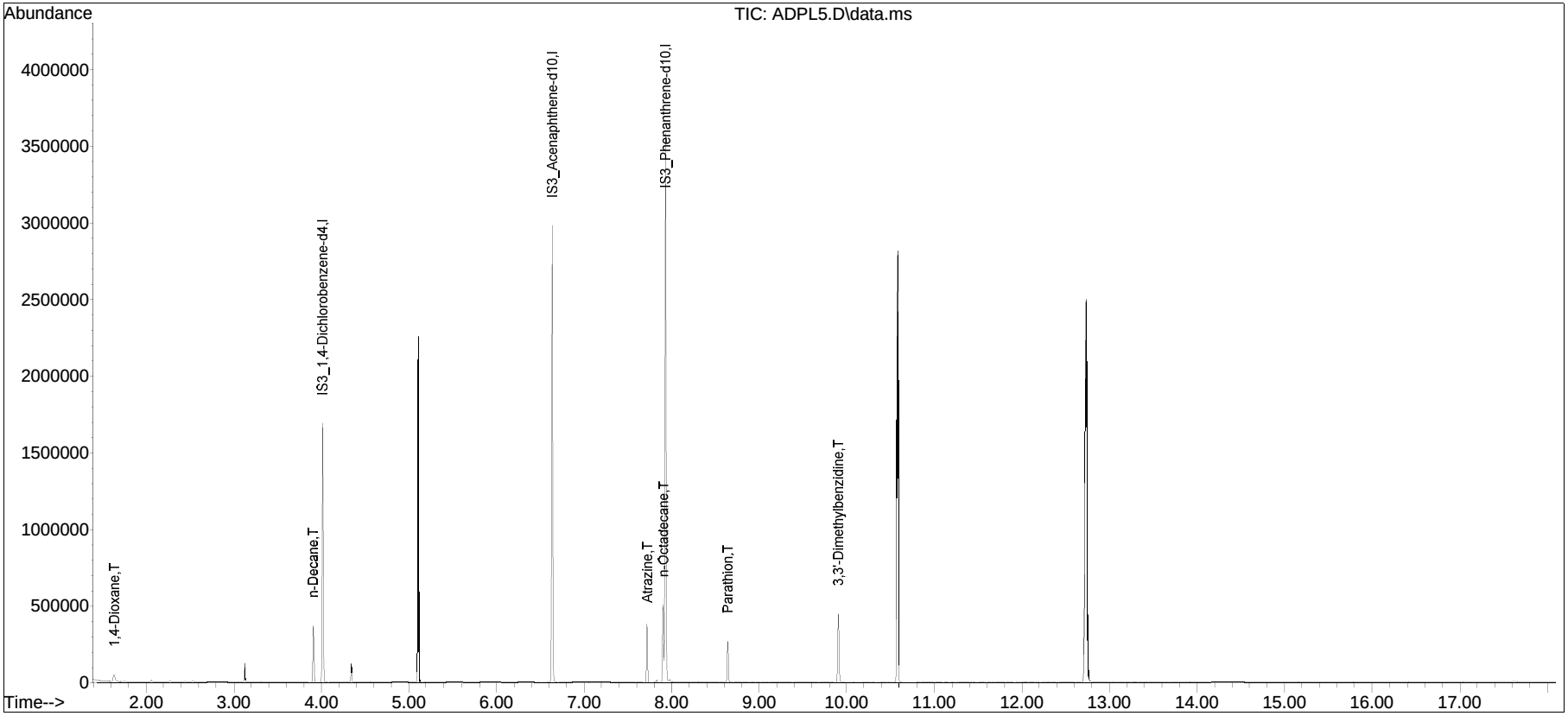
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\
Data File : ADPL5.D
Acq On : 21 Nov 2020 4:13 am
Operator : Buffy:als
Sample : IL26,32,,ADPL10 Lot# 8923
Misc : WG1439209,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 30 08:15:48 2020
Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 30 08:15:38 2020
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistal\ADPL7.D•



Manual Integration Report

Data Path	: I:\8270\Buffy\201120ical\	QMethod	: FS201120buffy.m
Data File	: ADPL5.D	Operator	: Buffy:als
Date Inj'd	: 11/21/2020 4:13 am	Instrument	: Buffy
Sample	: IL26,32,,ADPL10 Lot# 8923	Quant Date	: 11/30/2020 8:15 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\
Data File : ADPL4.D
Acq On : 21 Nov 2020 4:36 am
Operator : Buffy:als
Sample : IL27,32,,ADPL5 Lot# 8922
Misc : WG1439209,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Nov 24 16:13:28 2020
Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 24 16:12:06 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201120ical\ADPL7.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.013	152	218361	40.000	ug/ml	0.00
Standard Area 1 = 253596			Recovery =	86.11%		
86) IS3_Acenaphthene-d10	6.640	164	521720	40.000	ug/ml	0.00
Standard Area 1 = 582948			Recovery =	89.50%		
100) IS3_Phenanthrene-d10	7.932	188	1108999	40.000	ug/ml	0.00
Standard Area 1 = 1256978			Recovery =	88.23%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.634	88	11960	4.916	ug/ml	93
34) n-Decane	3.908	57	32470	5.052	ug/ml	94
87) Atrazine	7.721	200	19857	4.409	ug/ml	99
101) n-Octadecane	7.909	57	45573	4.737	ug/ml#	90
102) Parathion	8.637	109	10036	6.338	ug/ml	95
103) 3,3'-Dimethylbenzidine	9.907	212	66078	5.062	ug/ml	97

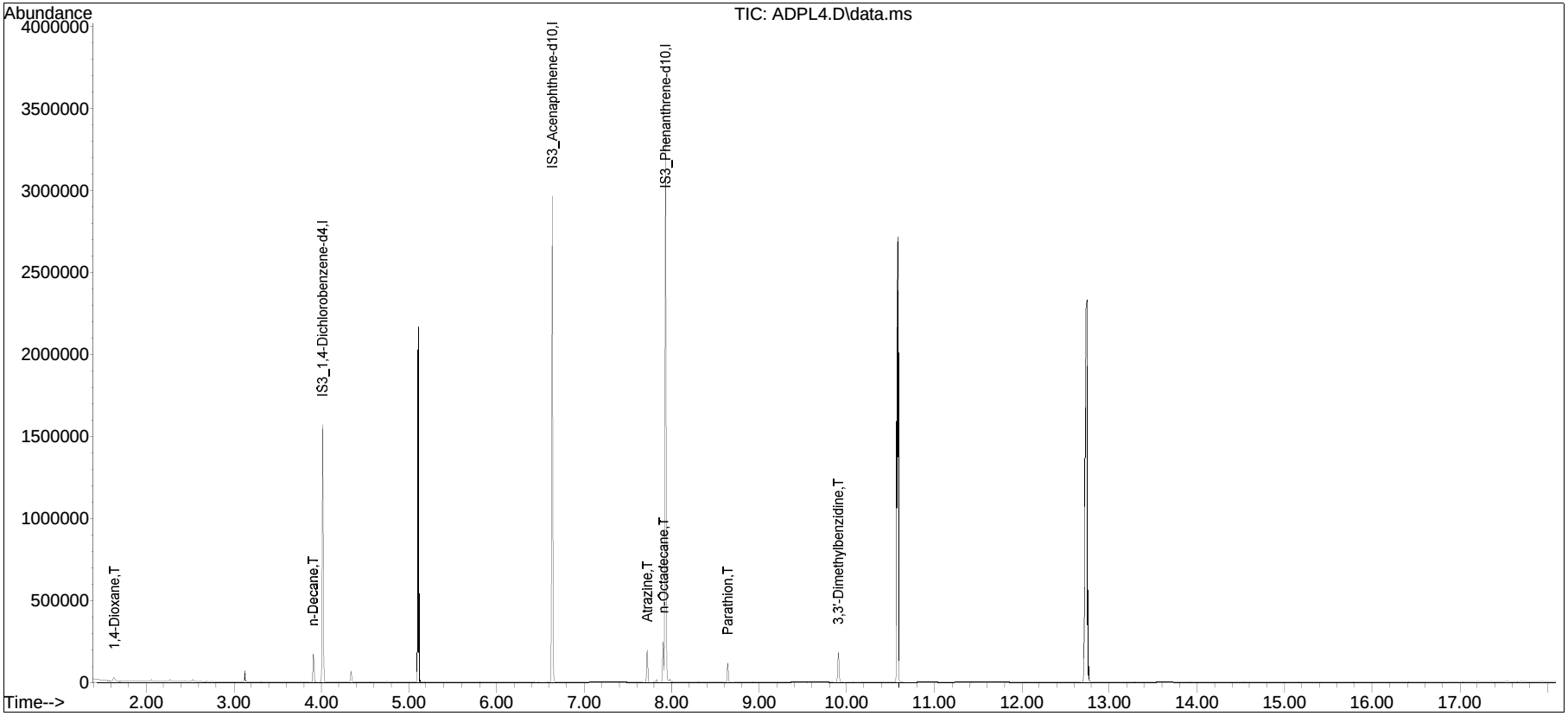
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\
Data File : ADPL4.D
Acq On : 21 Nov 2020 4:36 am
Operator : Buffy:als
Sample : IL27,32,,ADPL5 Lot# 8922
Misc : WG1439209,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Nov 24 16:13:28 2020
Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 24 16:12:06 2020
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistal\ADPL7.D•



Manual Integration Report

Data Path	: I:\8270\Buffy\201120ical\	QMethod	: FS201120buffy.m
Data File	: ADPL4.D	Operator	: Buffy:als
Date Inj'd	: 11/21/2020 4:36 am	Instrument	: Buffy
Sample	: IL27,32,,ADPL5 Lot# 8922	Quant Date	: 11/24/2020 4:13 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\
Data File : ADPL3.D
Acq On : 21 Nov 2020 4:59 am
Operator : Buffy:als
Sample : IL28,32,,ADPL3 Lot# 8921
Misc : WG1439209,,
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Nov 24 16:13:07 2020
Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 24 16:12:06 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201120ical\ADPL7.D
Sub List : ADPical_REV2 - ADP sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
	Internal Standards						
32)	IS3_1,4-Dichlorobenzen...	4.013	152	215622	40.000	ug/ml	0.00
	Standard Area 1 = 253596			Recovery =	85.03%		
86)	IS3_Acenaphthene-d10	6.640	164	509143	40.000	ug/ml	0.00
	Standard Area 1 = 582948			Recovery =	87.34%		
100)	IS3_Phenanthrene-d10	7.932	188	1089253	40.000	ug/ml	0.00
	Standard Area 1 = 1256978			Recovery =	86.66%		
	System Monitoring Compounds						
	Target Compounds						Qvalue
33)	1,4-Dioxane	1.634	88	7899M6	3.180	ug/ml	
34)	n-Decane	3.908	57	19402	3.057	ug/ml	94
87)	Atrazine	7.721	200	11930	2.715	ug/ml	99
101)	n-Octadecane	7.909	57	27636	2.924	ug/ml#	87
102)	Parathion	8.638	109	5334	5.076	ug/ml	88
103)	3,3'-Dimethylbenzidine	9.907	212	38752	3.881	ug/ml	98

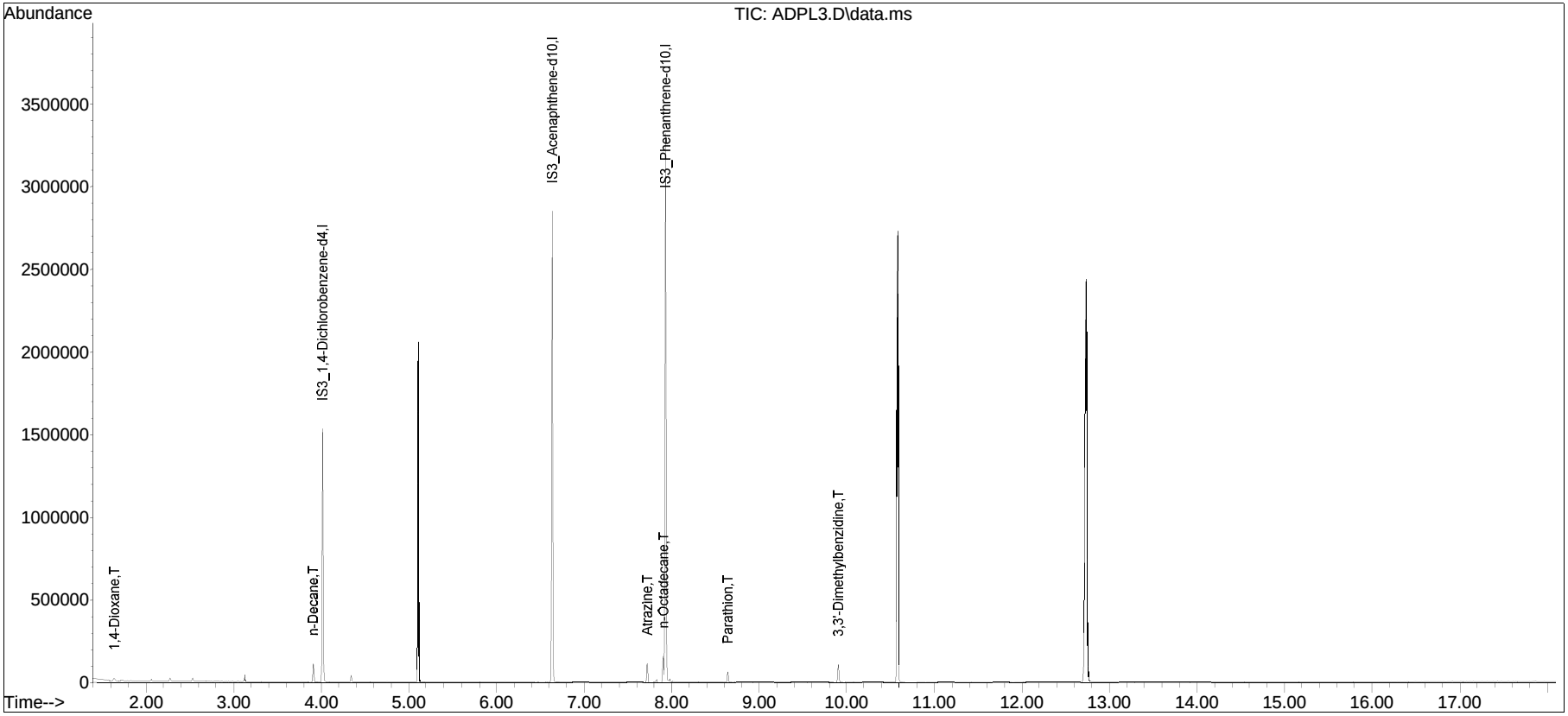
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\
Data File : ADPL3.D
Acq On : 21 Nov 2020 4:59 am
Operator : Buffy:als
Sample : IL28,32,,ADPL3 Lot# 8921
Misc : WG1439209,,
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Nov 24 16:13:07 2020
Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 24 16:12:06 2020
Response via : Initial Calibration

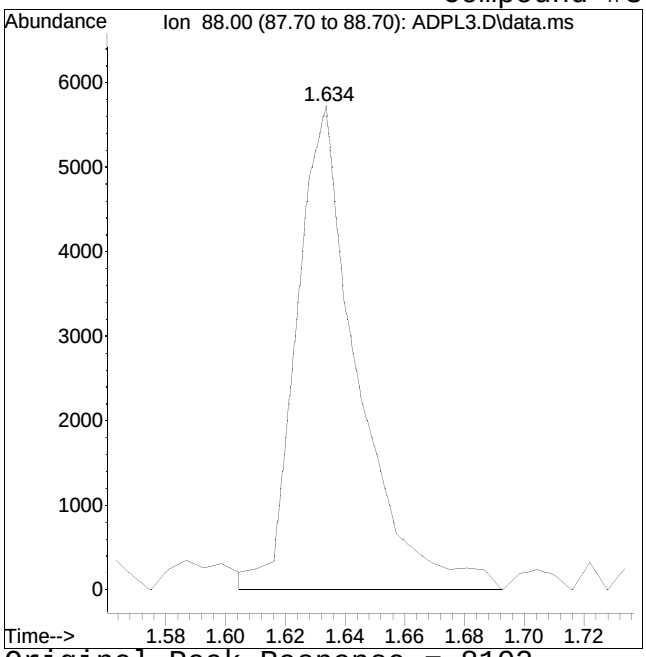
Sub List : ADPical_REV2 - ADP sublistal\ADPL7.D•



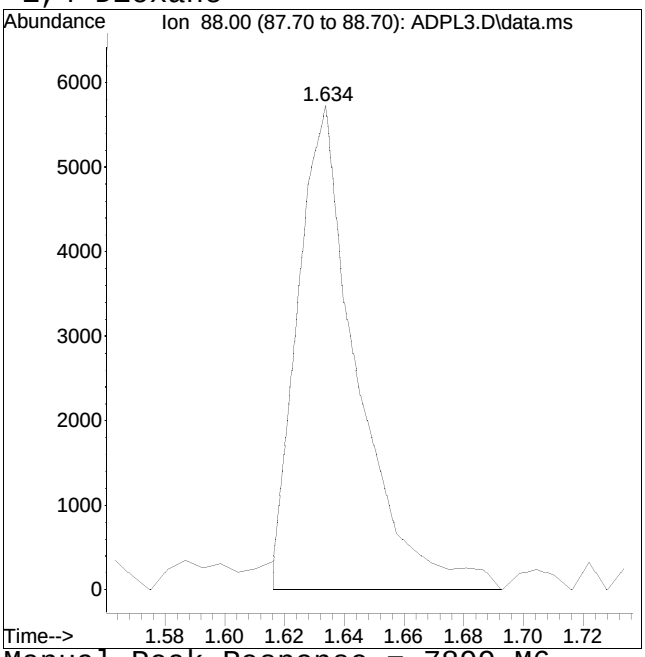
Manual Integration Report

Data Path : I:\8270\Buffy\201120ical\ QMethod : FS201120buffy.m
Data File : ADPL3.D Operator : Buffy:als
Date Inj'd : 11/21/2020 4:59 am Instrument : Buffy
Sample : IL28,32,,ADPL3 Lot# 8921 Quant Date : 11/24/2020 4:12 pm

Compound #33: 1,4-Dioxane



Original Peak Response = 8102



Manual Peak Response = 7899 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\
Data File : ADPL2.D
Acq On : 21 Nov 2020 5:22 am
Operator : Buffy:als
Sample : IL29,32,,ADPL2 Lot# 8920
Misc : WG1439209,,
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Nov 30 08:13:30 2020
Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 30 08:13:20 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201120ical\ADPL7.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.014	152	214655	40.000	ug/ml	0.00
Standard Area 1 = 253596			Recovery =	84.64%		
86) IS3_Acenaphthene-d10	6.640	164	476401	40.000	ug/ml	0.00
Standard Area 1 = 582948			Recovery =	81.72%		
100) IS3_Phenanthrene-d10	7.933	188	1013018	40.000	ug/ml	0.00
Standard Area 1 = 1256978			Recovery =	80.59%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.634	88	5945M6	2.324	ug/ml	
34) n-Decane	3.908	57	13415	2.123	ug/ml	96
87) Atrazine	7.727	200	7348	1.787	ug/ml	99
101) n-Octadecane	7.909	57	17832	2.029	ug/ml#	83
102) Parathion	8.644	109	3586	4.663	ug/ml	95
103) 3,3'-Dimethylbenzidine	9.913	212	21796	3.189	ug/ml	96

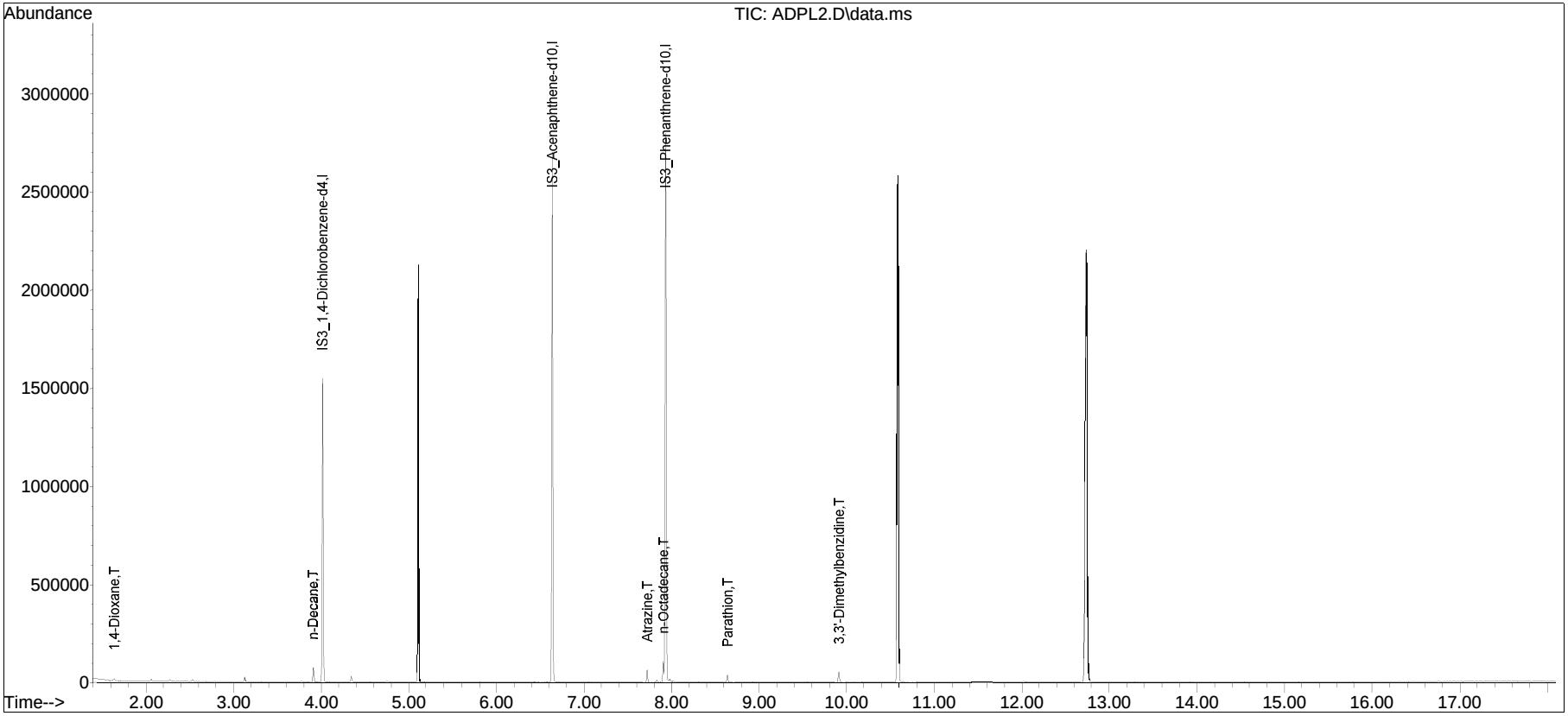
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\
Data File : ADPL2.D
Acq On : 21 Nov 2020 5:22 am
Operator : Buffy:als
Sample : IL29,32,,ADPL2 Lot# 8920
Misc : WG1439209,,
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Nov 30 08:13:30 2020
Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 30 08:13:20 2020
Response via : Initial Calibration

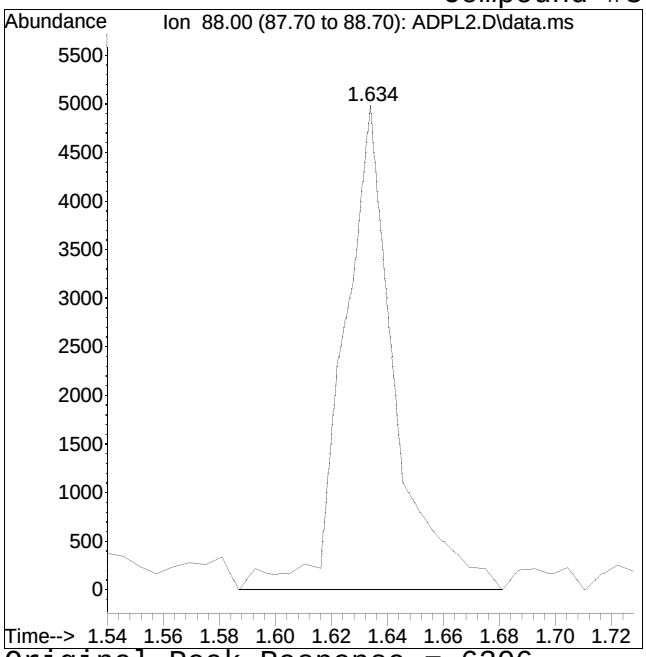
Sub List : ADPical_REV2 - ADP sublistal\ADPL7.D•



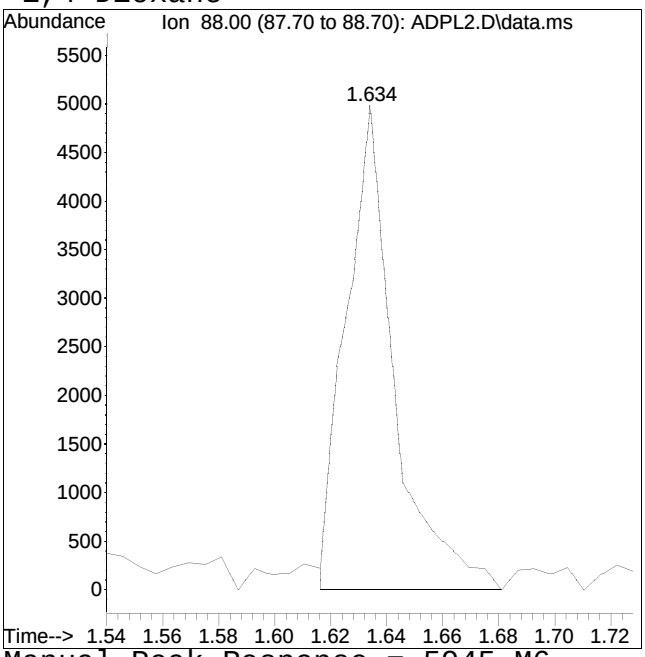
Manual Integration Report

Data Path : I:\8270\Buffy\201120ical\ QMethod : FS201120buffy.m
Data File : ADPL2.D Operator : Buffy:als
Date Inj'd : 11/21/2020 5:22 am Instrument : Buffy
Sample : IL29,32,,ADPL2 Lot# 8920 Quant Date : 11/30/2020 8:13 am

Compound #33: 1,4-Dioxane



Original Peak Response = 6306



Manual Peak Response = 5945 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\
Data File : ADPL1.D
Acq On : 21 Nov 2020 5:45 am
Operator : Buffy:als
Sample : IL30,32,,ADPL0.5 Lot# 8919
Misc : WG1439209,,
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Nov 24 16:01:32 2020
Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 24 16:00:10 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201120ical\ADPL7.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.013	152	226167	40.000	ug/ml	0.00
Standard Area 1 = 253596			Recovery = 89.18%			
86) IS3_Acenaphthene-d10	6.640	164	506412	40.000	ug/ml	0.00
Standard Area 1 = 582948			Recovery = 86.87%			
100) IS3_Phenanthrene-d10	7.932	188	1088714	40.000	ug/ml	0.00
Standard Area 1 = 1256978			Recovery = 86.61%			
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.634	88	1929	0.489	ug/ml#	86
34) n-Decane	3.908	57	4280	0.643	ug/ml	92
87) Atrazine	7.727	200	2200	0.503	ug/ml#	88
101) n-Octadecane	7.909	57	5145	0.545	ug/ml#	89
102) Parathion	8.643	109	1085	3.890	ug/ml#	80
103) 3,3'-Dimethylbenzidine	9.912	212	5713	2.388	ug/ml	98

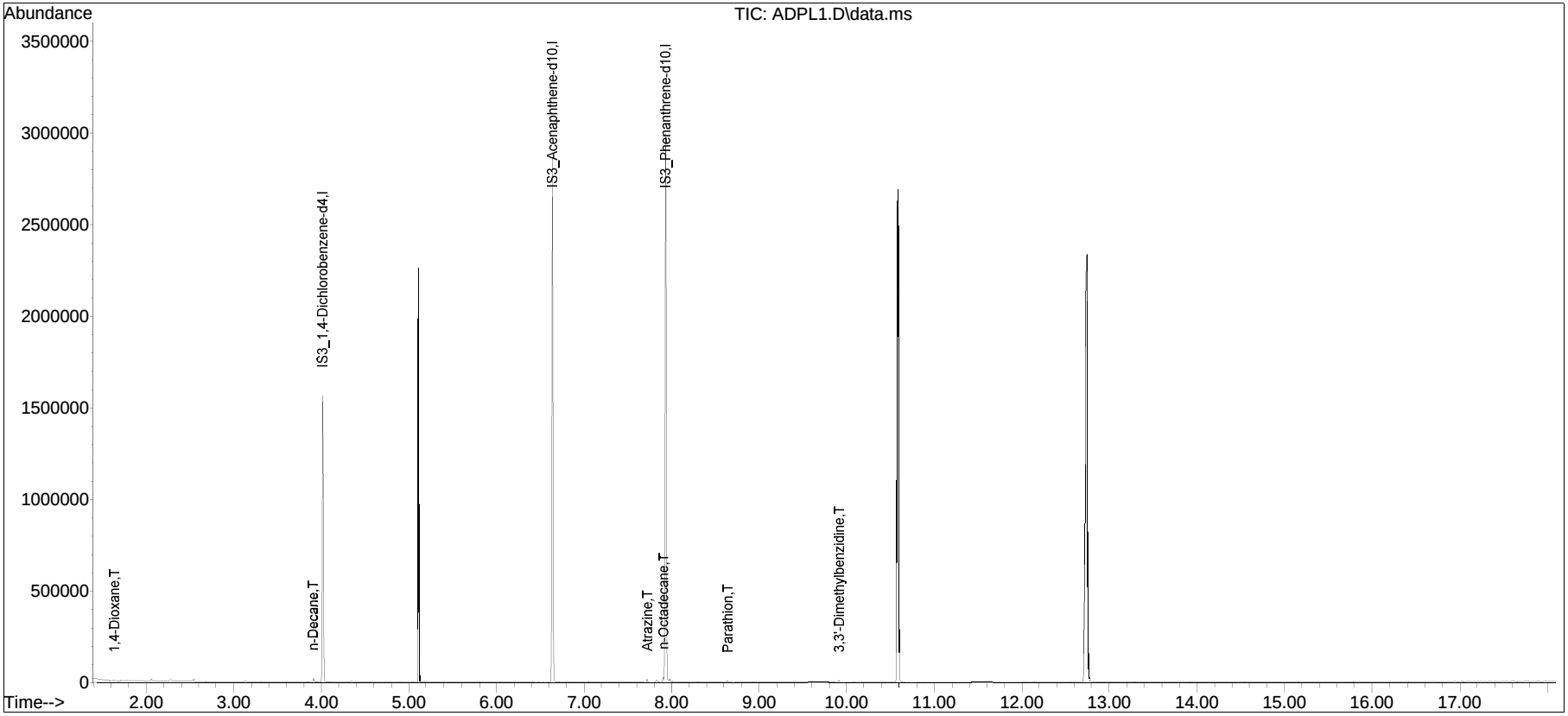
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\
Data File : ADPL1.D
Acq On : 21 Nov 2020 5:45 am
Operator : Buffy:als
Sample : IL30,32,,ADPL0.5 Lot# 8919
Misc : WG1439209,,
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Nov 24 16:01:32 2020
Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 24 16:00:10 2020
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistal\ADPL7.D•



Manual Integration Report

Data Path	: I:\8270\Buffy\201120ical\	QMethod	: FS201120buffy.m
Data File	: ADPL1.D	Operator	: Buffy:als
Date Inj'd	: 11/21/2020 5:45 am	Instrument	: Buffy
Sample	: IL30,32,,ADPL0.5 Lot# 8919	Quant Date	: 11/24/2020 4:01 pm

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\8270\Buffy\201120ical\
Data File : ADPICV.D
Acq On : 21 Nov 2020 6:08 am
Operator : Buffy:als
Sample : CQICV3,32,,ADPICV Lot# 8900
Misc : WG1439209,,
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Nov 24 16:36:17 2020
Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 24 16:35:08 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
32	I	IS3_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	78	0.00
33	T	1,4-Dioxane	*	50.000	53.838	-7.7	93	0.00
34	T	n-Decane		1.177	1.201	-2.0	92	0.00
86	I	IS3_Acenaphthene-d10		1.000	1.000	0.0	77	0.00
87	T	Atrazine		0.345	0.382	-10.7	92	0.00
100	I	IS3_Phenanthrene-d10		1.000	1.000	0.0	76	0.00
101	T	n-Octadecane		0.347	0.390	-12.4	93	0.00
102	T	Parathion	*	50.000	47.416	5.2	90	0.00
103	T	3,3'-Dimethylbenzidine	*	50.000	48.751	2.5	91	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\
Data File : ADPICV.D
Acq On : 21 Nov 2020 6:08 am
Operator : Buffy:als
Sample : CQICV3,32,,ADPICV Lot# 8900
Misc : WG1439209,,
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Nov 24 16:36:17 2020
Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 24 16:35:08 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201120ical\ADPL7.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.013	152	198790	40.000	ug/ml	0.00
Standard Area 1 = 253596			Recovery = 78.39%			
86) IS3_Acenaphthene-d10	6.640	164	449122	40.000	ug/ml	0.00
Standard Area 1 = 582948			Recovery = 77.04%			
100) IS3_Phenanthrene-d10	7.932	188	959266	40.000	ug/ml	0.00
Standard Area 1 = 1256978			Recovery = 76.32%			
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.628	88	112465	53.838	ug/ml	89
34) n-Decane	3.908	57	298491	51.019	ug/ml	96
87) Atrazine	7.733	200	214236	55.262	ug/ml	99
101) n-Octadecane	7.909	57	467822	56.214	ug/ml#	85
102) Parathion	8.643	109	138320	47.416	ug/ml	99
103) 3,3'-Dimethylbenzidine	9.912	212	908769	48.751	ug/ml	99

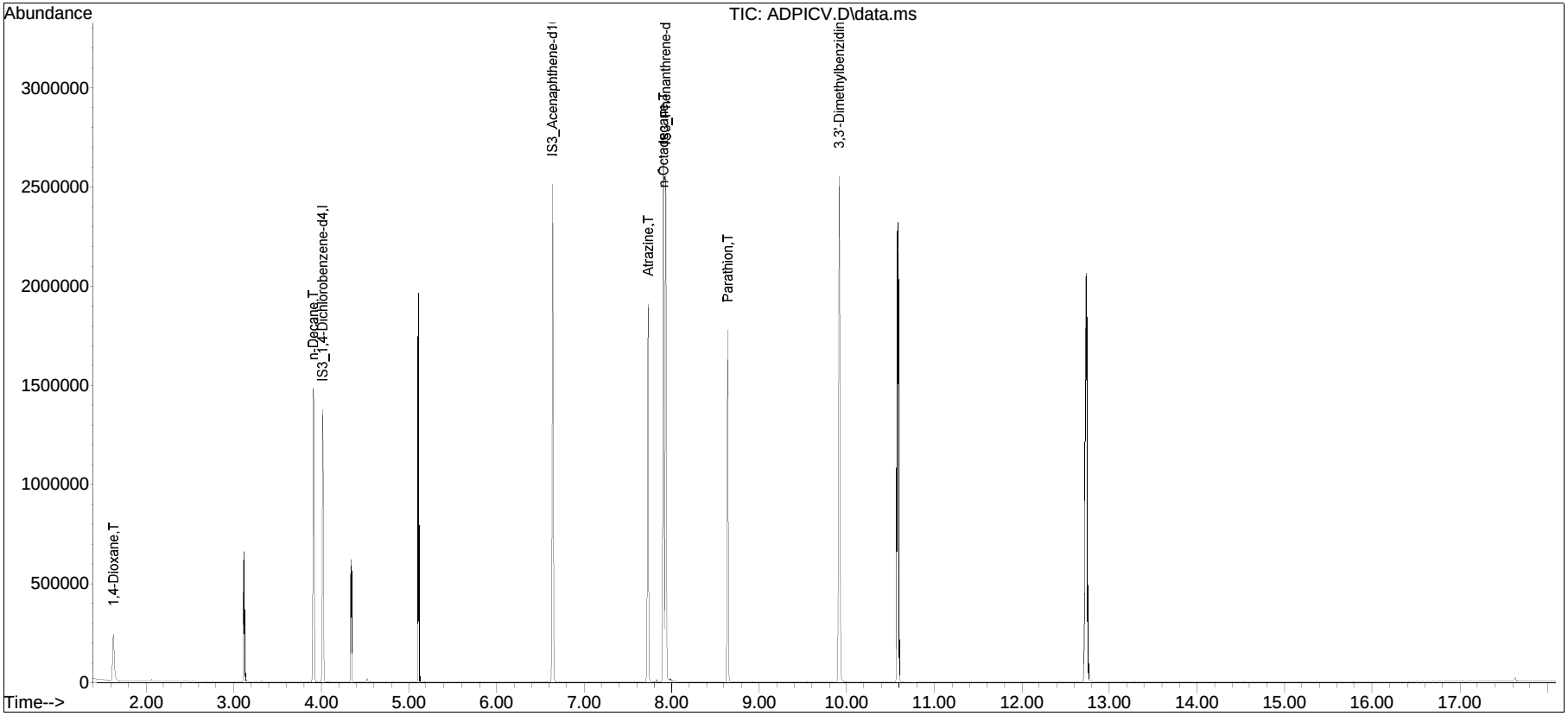
(#) = qualifier out of range (m) = manual integration (+) = signals summed

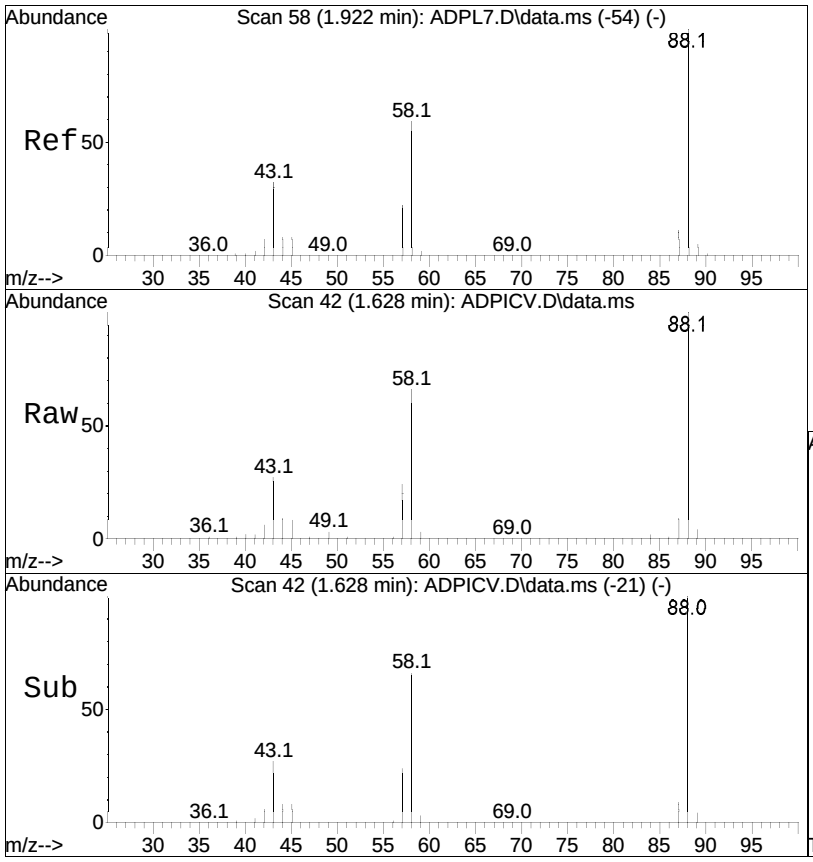
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201120ical\
Data File : ADPICV.D
Acq On : 21 Nov 2020 6:08 am
Operator : Buffy:als
Sample : CQICV3,32,,ADPICV Lot# 8900
Misc : WG1439209,,
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Nov 24 16:36:17 2020
Quant Method : I:\8270\Buffy\201120ical\FS201120buffy.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 24 16:35:08 2020
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistal\ADPL7.D•

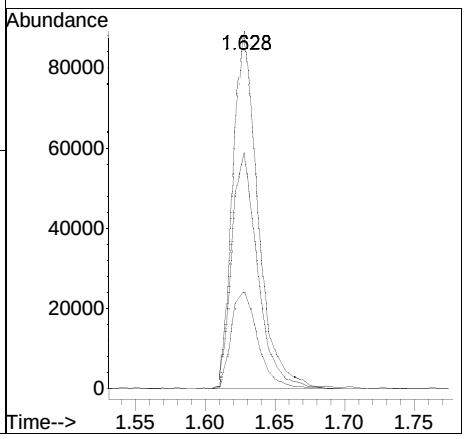


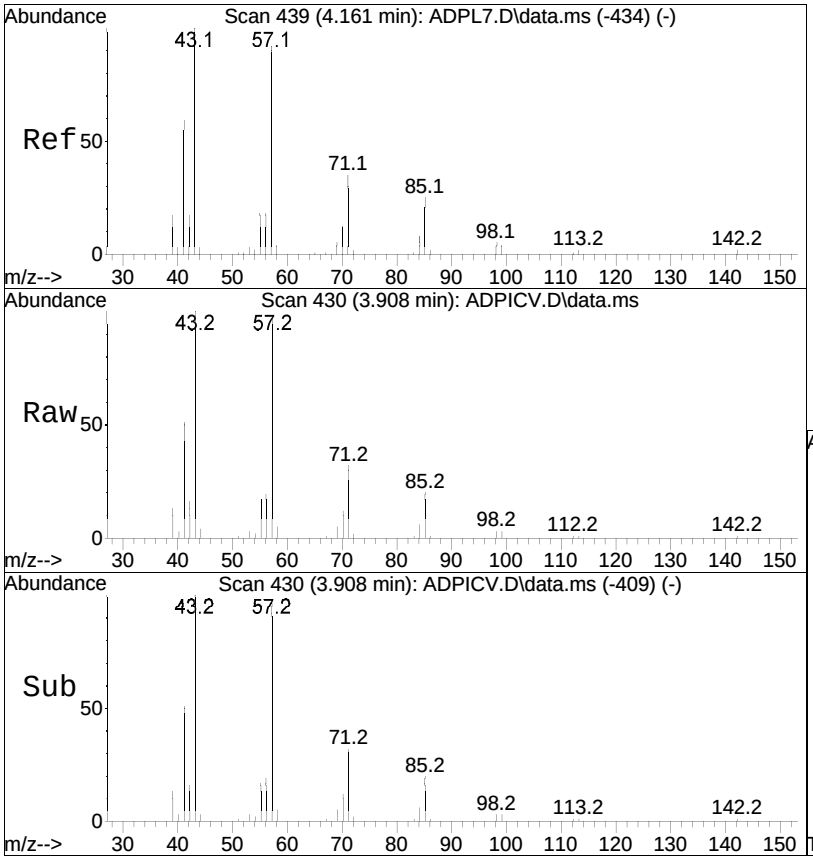


#33
1,4-Dioxane
Concen: 53.84 ug/ml
RT: 1.628 min Scan# 42
Delta R.T. -0.000 min
Lab File: ADPICV.D
Acq: 21 Nov 2020 6:08 am

Tgt Ion: 88 Resp: 112465

Ion	Ratio	Lower	Upper
88	100		
58	67.2	44.8	67.2
43	28.7	22.4	33.6

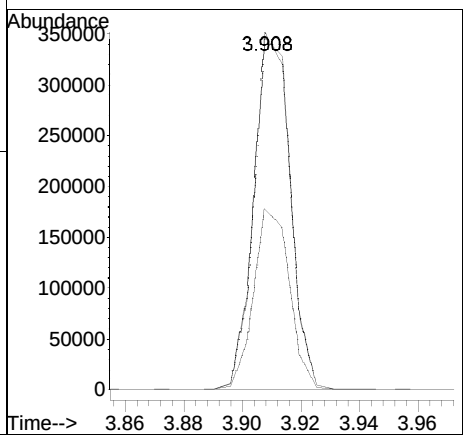


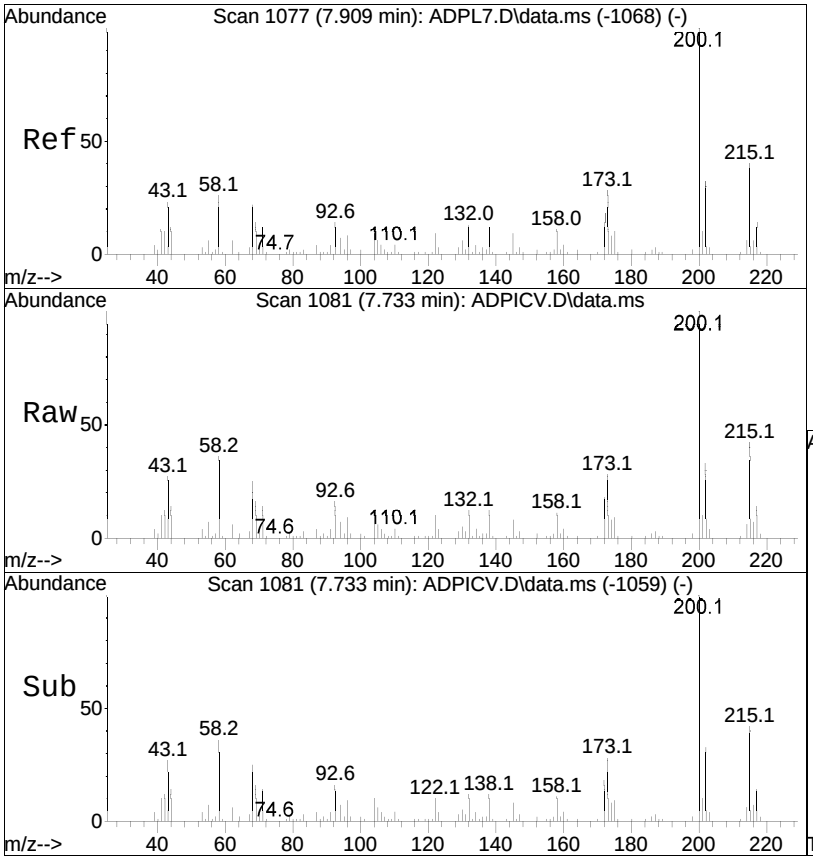


#34
n-Decane
Concen: 51.02 ug/ml
RT: 3.908 min Scan# 430
Delta R.T. -0.000 min
Lab File: ADPICV.D
Acq: 21 Nov 2020 6:08 am

Tgt Ion: 57 Resp: 298491

Ion	Ratio	Lower	Upper
57	100		
43	100.0	80.7	121.1
41	50.5	45.8	68.8

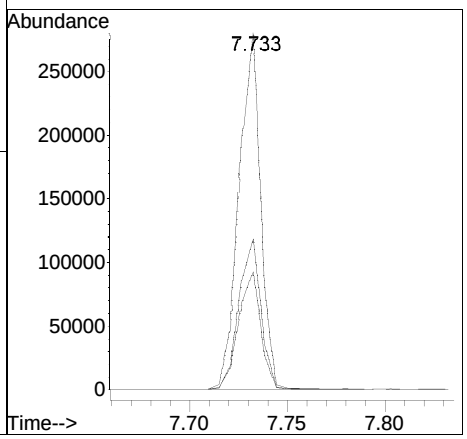


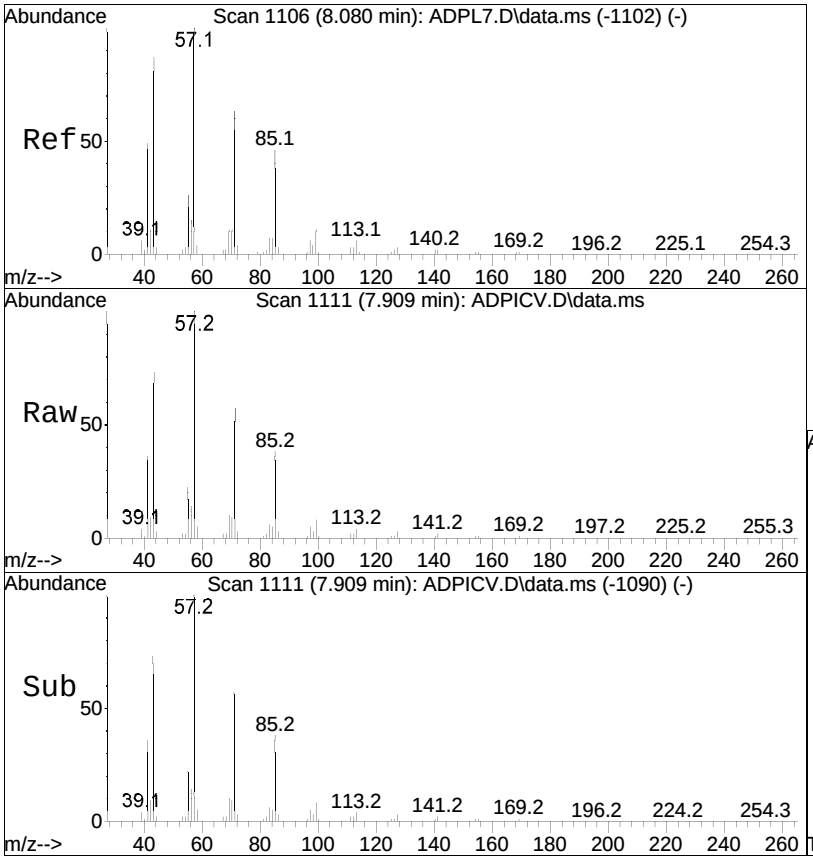


#87
Atrazine
Concen: 55.26 ug/ml
RT: 7.733 min Scan# 1081
Delta R.T. 0.006 min
Lab File: ADPICV.D
Acq: 21 Nov 2020 6:08 am

Tgt Ion:200 Resp: 214236

Ion	Ratio	Lower	Upper
200	100		
202	34.2	26.6	40.0
215	43.2	34.1	51.1

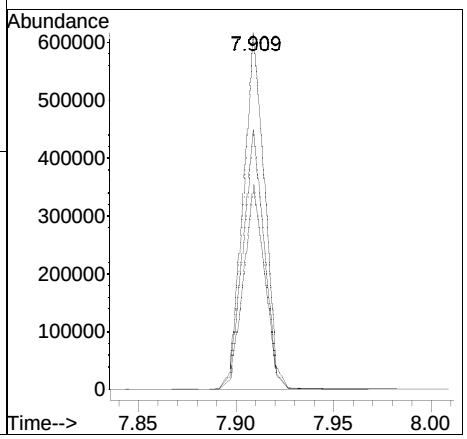


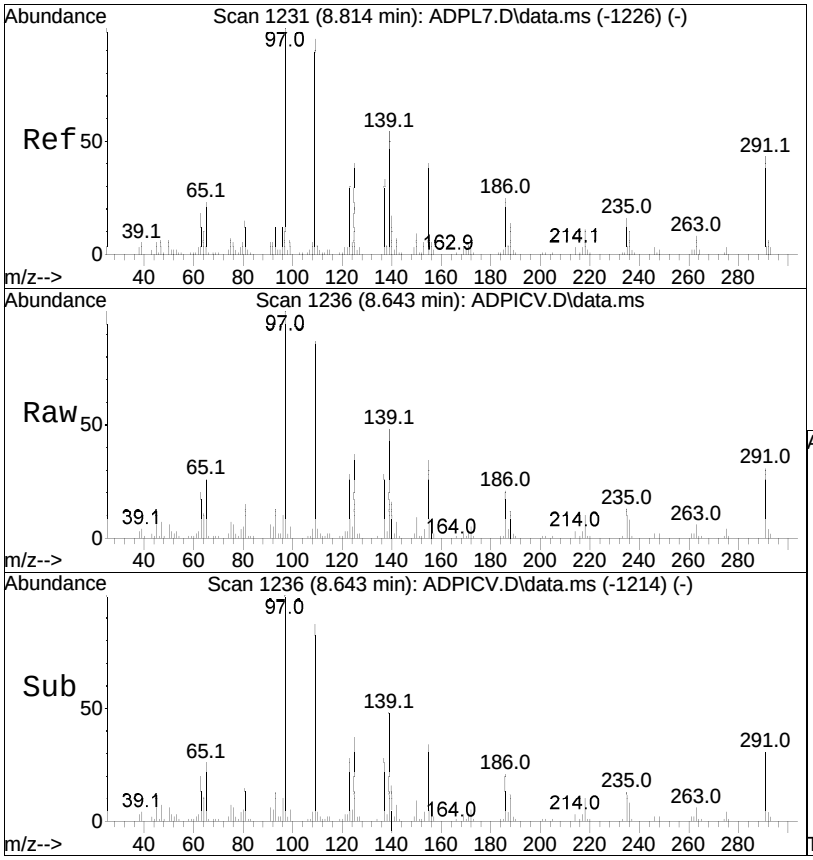


#101
n-Octadecane
Concen: 56.21 ug/ml
RT: 7.909 min Scan# 1111
Delta R.T. -0.000 min
Lab File: ADPICV.D
Acq: 21 Nov 2020 6:08 am

Tgt Ion: 57 Resp: 467822

Ion	Ratio	Lower	Upper
57	100		
43	72.8	63.4	95.0
71	57.5	61.4	92.0#

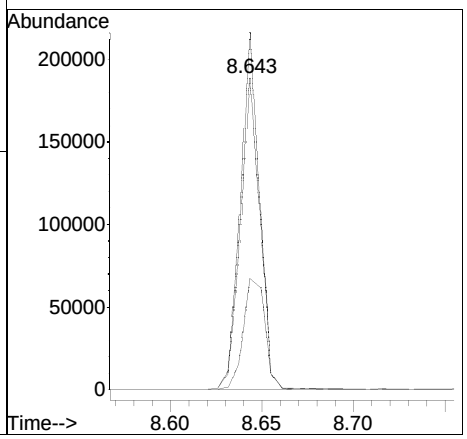


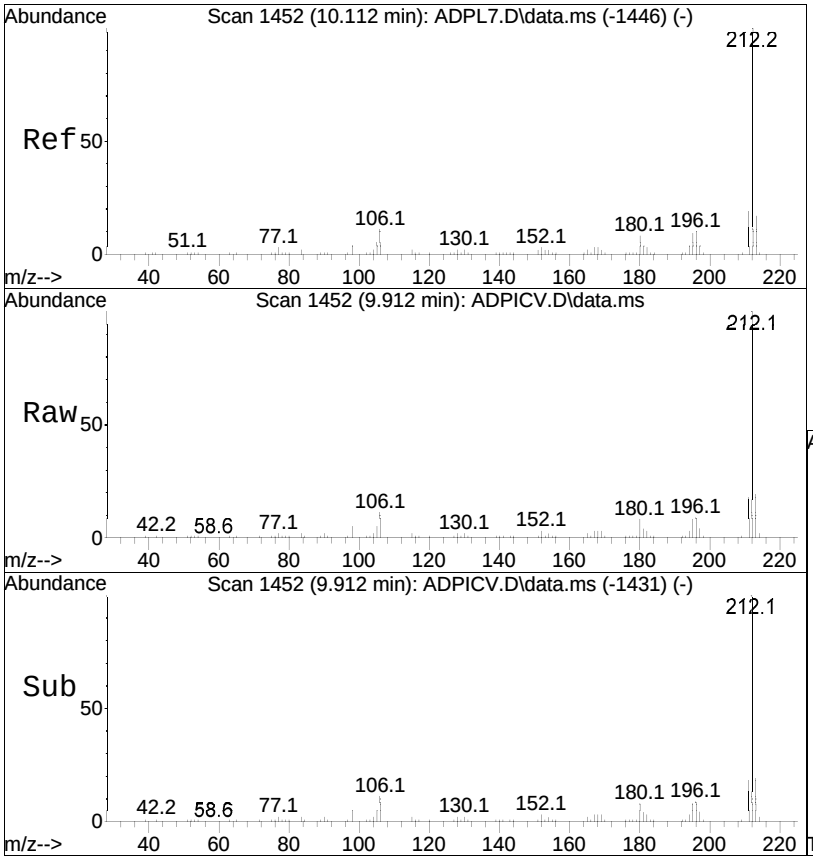


#102
Parathion
Concen: 47.42 ug/ml
RT: 8.643 min Scan# 1236
Delta R.T. 0.005 min
Lab File: ADPICV.D
Acq: 21 Nov 2020 6:08 am

Tgt Ion:109 Resp: 138320

Ion	Ratio	Lower	Upper
109	100		
97	111.9	88.0	132.0
291	39.8	31.6	47.4

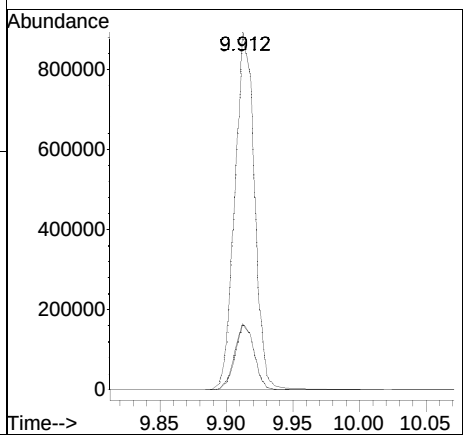




#103
3,3'-Dimethylbenzidine
Concen: 48.75 ug/ml
RT: 9.912 min Scan# 1452
Delta R.T. -0.001 min
Lab File: ADPICV.D
Acq: 21 Nov 2020 6:08 am

Tgt Ion:212 Resp: 908769

Ion	Ratio	Lower	Upper
212	100		
211	17.8	14.2	21.4
213	18.6	14.0	21.0



Manual Integration Report

Data Path	: I:\8270\Buffy\201120ical\	QMethod	: FS201120buffy.m
Data File	: ADPICV.D	Operator	: Buffy:als
Date Inj'd	: 11/21/2020 6:08 am	Instrument	: Buffy
Sample	: CQICV3,32,,ADPICV Lot# 890	Quant Date	: 11/24/2020 4:35 pm

There are no manual integrations or false positives in this file.

Continuing Calibration

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957	
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001	
Instrument ID	: BUFFY	**Calibration Date**	: 12/03/20 08:01	
Lab File ID	: AP91203	**Init. Calib. Date(s)**	: 11/20/20	11/21/20
Sample No	: WG1440617-4	**Init. Calib. Times**	: 17:33	05:45
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	92	0
Benzaldehyde	1.014	1.094	-	-7.9	20	101	0
Acetophenone	1.686	1.844	-	-9.4	20	103	0
m-Toluidine	1.687	1.88	-	-11.4	20	104	0
2-Chloroaniline	1.563	1.709	-	-9.3	20	102	0
IS2_Naphthalene-d8	1	1	-	0	20	95	0
a-Terpineol	0.243	0.277	-	-14	20	108	0
3-Chloroaniline	0.123	0.131	-	-6.5	20	104	0
2,6-Dichlorophenol	0.276	0.301	-	-9.1	20	100	0
1-chloro-2-nitrobenzene	0.132	0.14	-	-6.1	20	101	0
Caprolactam	0.139	0.17	-	-22.3*	20	111	0
1,2,4,5-Tetrachlorobenzene	0.358	0.353	-	1.4	20	96	0
Biphenyl	0.857	0.903	-	-5.4	20	103	0
IS2_Acenaphthene-d10	1	1	-	0	20	96	0
Dichloran	0.185	0.215	-	-16.2	20	105	0
Pentachloronitrobenzene	0.182	0.188	-	-3.3	20	97	0
IS2_Phenanthrene-d10	1	1	-	0	20	94	0
Diphenamid	0.484	0.556	-	-14.9	20	104	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957	
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001	
Instrument ID	: BUFFY	**Calibration Date**	: 12/03/20 08:24	
Lab File ID	: ADP1203	**Init. Calib. Date(s)**	: 11/20/20	11/21/20
Sample No	: WG1440617-5	**Init. Calib. Times**	: 17:33	05:45
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	77	0
1,4-Dioxane	50	49.265	-	1.5	20	84	0
n-Decane	1.177	1.27	-	-7.9	20	96	0
IS3_Acenaphthene-d10	1	1	-	0	20	78	0
Atrazine	0.345	0.396	-	-14.8	20	97	0
IS3_Phenanthrene-d10	1	1	-	0	20	75	0
n-Octadecane	0.347	0.409	-	-17.9	20	96	0
Parathion	50	55.615	-	-11.2	20	105	0
3,3'-Dimethylbenzidine	50	56.461	-	-12.9	20	104	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957		
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001		
Instrument ID	: BUFFY	**Calibration Date**	: 12/03/20 08:49		
Lab File ID	: ABN1203A	**Init. Calib. Date(s)**	: 11/20/20	11/21/20	
Sample No	: WG1440617-3	**Init. Calib. Times**	: 17:33	05:45	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	101	0
n-Nitrosodimethylamine	0.698	0.705	-	-1	20	107	0
Pyridine	1.285	1.278	-	0.5	20	106	0
2-Fluorophenol	1.135	1.145	-	-0.9	20	104	0
Aniline	1.818	1.899	-	-4.5	20	110	0
2-Chlorophenol	1.307	1.328	-	-1.6	20	105	0
Phenol-d6	1.361	1.415	-	-4	20	108	0
Phenol	1.548	1.607	-	-3.8	20	108	0
Bis(2-chloroethyl)ether	1.058	1.052	-	0.6	20	107	0
1,3-Dichlorobenzene	1.562	1.486	-	4.9	20	103	0
1,4-Dichlorobenzene	1.564	1.505	-	3.8	20	104	0
1,2-Dichlorobenzene	1.521	1.436	-	5.6	20	102	0
Benzyl alcohol	0.954	1.029	-	-7.9	20	110	0
Bis(2-chloroisopropyl)ethe	1.733	1.801	-	-3.9	20	109	0
2-Methylphenol	1.118	1.192	-	-6.6	20	112	0
Hexachloroethane	0.595	0.549	-	7.7	20	100	0
n-Nitrosodi-n-propylamine	0.836	0.881	-	-5.4	20	113	0
3-Methylphenol/4-Methylphe	1.173	1.262	-	-7.6	20	111	0
Nitrobenzene-d5	1.254	1.313	-	-4.7	20	111	0
Nitrobenzene	1.203	1.26	-	-4.7	20	110	0
Isophorone	2.271	2.429	-	-7	20	113	0
2-Nitrophenol	0.654	0.758	-	-15.9	20	117	0
2,4-Dimethylphenol	1.251	1.347	-	-7.7	20	112	0
Bis(2-chloroethoxy)methane	1.475	1.525	-	-3.4	20	113	0
2,4-Dichlorophenol	1.16	1.232	-	-6.2	20	110	0
1,2,4-Trichlorobenzene	1.337	1.308	-	2.2	20	105	0
IS1_Naphthalene-d8	1	1	-	0	20	108	0
Naphthalene	1.054	1.018	-	3.4	20	112	0
Benzoic Acid	0.252	0.275	-	-9.1	20	118	0
4-Chloroaniline	0.117	0.118	-	-0.9	20	113	0
Hexachlorobutadiene	0.211	0.186	-	11.8	20	103	0
p-Chloro-m-cresol	0.289	0.296	-	-2.4	20	112	0
2-Methylnaphthalene	0.734	0.724	-	1.4	20	114	0
1-Methylnaphthalene	0.23	0.222	-	3.5	20	112	0
Hexachlorocyclopentadiene	0.263	0.26	-	1.1	20	109	0
2,4,6-Trichlorophenol	0.231	0.238	-	-3	20	111	0
2,4,5-Trichlorophenol	0.256	0.26	-	-1.6	20	111	0
2-Fluorobiphenyl	0.861	0.83	-	3.6	20	114	0
2-Chloronaphthalene	0.71	0.686	-	3.4	20	111	0
2-Nitroaniline	0.232	0.25	-	-7.8	20	115	0
1,4-Dinitrobenzene	0.102	0.109	-	-6.9	20	116	0
1,3-Dinitrobenzene	0.113	0.125	-	-10.6	20	117	0
Dimethyl phthalate	0.873	0.835	-	4.4	20	111	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957		
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001		
Instrument ID	: BUFFY	**Calibration Date**	: 12/03/20 08:49		
Lab File ID	: ABN1203A	**Init. Calib. Date(s)**	: 11/20/20	11/21/20	
Sample No	: WG1440617-3	**Init. Calib. Times**	: 17:33	05:45	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.23	1.223	-	0.6	20	113	0
2,6-Dinitrotoluene	0.176	0.185	-	-5.1	20	112	0
1,2-Dinitrobenzene	0.071	0.073	-	-2.8	20	112	0
IS1_Acenaphthene-d10	1	1	-	0	20	113	0
3-Nitroaniline	0.354	0.365	-	-3.1	20	114	0
Acenaphthene	1.236	1.161	-	6.1	20	115	0
2,4-Dinitrophenol	0.183	0.205	-	-12	20	121	0
Dibenzofuran	1.81	1.748	-	3.4	20	112	0
2,4-Dinitrotoluene	0.407	0.421	-	-3.4	20	112	0
4-Nitrophenol	0.235	0.235	-	0	20	108	0
2,3,5,6-Tetrachlorophenol	0.38	0.374	-	1.6	20	110	0
2,3,4,6-Tetrachlorophenol	0.385	0.363	-	5.7	20	107	0
Diethyl phthalate	1.583	1.49	-	5.9	20	112	0
Fluorene	1.487	1.426	-	4.1	20	114	0
4-Chlorophenyl phenyl ethe	0.719	0.672	-	6.5	20	115	0
4-Nitroaniline	0.359	0.365	-	-1.7	20	109	0
4,6-Dinitro-o-cresol	0.225	0.248	-	-10.2	20	117	0
NDPA/DPA	1.279	1.234	-	3.5	20	113	0
Azobenzene	1.24	1.179	-	4.9	20	113	0
2,4,6-Tribromophenol	0.264	0.251	-	4.9	20	107	0
4-Bromophenyl phenyl ether	0.46	0.424	-	7.8	20	114	0
Hexachlorobenzene	0.557	0.498	-	10.6	20	109	0
Pentachlorophenol	0.306	0.303	-	1	20	104	0
IS1_Phenanthrene-d10	1	1	-	0	20	113	0
Phenanthrene	1.087	1.029	-	5.3	20	112	0
Anthracene	1.135	1.071	-	5.6	20	112	0
Carbazole	1.046	1.014	-	3.1	20	112	0
Di-n-butylphthalate	1.251	1.24	-	0.9	20	111	0
Fluoranthene	1.313	1.255	-	4.4	20	111	0
Benzidine	0.83	0.938	-	-13	20	115	0
Pyrene	1.384	1.295	-	6.4	20	110	0
4-Terphenyl-d14	1.02	0.975	-	4.4	20	112	0
Butyl benzyl phthalate	0.566	0.595	-	-5.1	20	112	0
IS1_Chrysene-d12	1	1	-	0	20	108	0
Benzo(a)anthracene	1.283	1.221	-	4.8	20	110	0
3,3'-Dichlorobenzidine	0.479	0.513	-	-7.1	20	109	0
Chrysene	1.197	1.146	-	4.3	20	107	0
Bis(2-ethylhexyl)phthalate	0.779	0.834	-	-7.1	20	110	0
Di-n-octylphthalate	1.334	1.487	-	-11.5	20	111	0
Benzo(b)fluoranthene	1.299	1.314	-	-1.2	20	107	0
Benzo(k)fluoranthene	1.218	1.204	-	1.1	20	104	0
Benzo(a)pyrene	1.102	1.157	-	-5	20	106	0
IS1_Perylene-d12	1	1	-	0	20	105	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957		
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001		
Instrument ID	: BUFFY	**Calibration Date**	: 12/03/20 08:49		
Lab File ID	: ABN1203A	**Init. Calib. Date(s)**	: 11/20/20	11/21/20	
Sample No	: WG1440617-3	**Init. Calib. Times**	: 17:33	05:45	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.099	1.16	-	-5.6	20	105	0
Dibenzo(a,h)anthracene	1.124	1.139	-	-1.3	20	103	0
Benzo(ghi)perylene	1.175	1.185	-	-0.9	20	102	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957		
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001		
Instrument ID	: GCMS5	**Calibration Date**	: 12/07/20 08:56		
Lab File ID	: ABN1207	**Init. Calib. Date(s)**	: 04/01/20	04/02/20	
Sample No	: WG1441843-3	**Init. Calib. Times**	: 22:40	10:43	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	79	0
n-Nitrosodimethylamine	0.705	0.713	-	-1.1	20	78	0
Pyridine	1.239	1.238	-	0.1	20	74	0
2-Fluorophenol	1.102	1.166	-	-5.8	20	79	0
Aniline	1.787	1.837	-	-2.8	20	80	0
2-Chlorophenol	1.282	1.307	-	-2	20	79	0
Phenol-d6	1.366	1.409	-	-3.1	20	81	0
Phenol	1.639	1.48	-	9.7	20	70	0
Bis(2-chloroethyl)ether	1.055	1.037	-	1.7	20	78	0
1,3-Dichlorobenzene	1.498	1.455	-	2.9	20	76	0
1,4-Dichlorobenzene	1.55	1.474	-	4.9	20	75	0
1,2-Dichlorobenzene	1.492	1.43	-	4.2	20	77	0
Benzyl alcohol	0.928	0.963	-	-3.8	20	79	0
Bis(2-chloroisopropyl)ethe	1.977	1.715	-	13.3	20	70	0
2-Methylphenol	1.095	1.083	-	1.1	20	76	0
Hexachloroethane	0.603	0.57	-	5.5	20	77	0
n-Nitrosodi-n-propylamine	0.819	0.827	-	-1	20	78	0
3-Methylphenol/4-Methylphe	1.177	1.143	-	2.9	20	77	0
Nitrobenzene-d5	1.235	1.267	-	-2.6	20	79	0
Nitrobenzene	1.247	1.205	-	3.4	20	76	0
Isophorone	2.162	2.232	-	-3.2	20	78	0
2-Nitrophenol	0.714	0.757	-	-6	20	83	0
2,4-Dimethylphenol	1.149	1.189	-	-3.5	20	81	0
Bis(2-chloroethoxy)methane	1.415	1.433	-	-1.3	20	83	0
2,4-Dichlorophenol	1.21	1.243	-	-2.7	20	80	0
1,2,4-Trichlorobenzene	1.425	1.357	-	4.8	20	79	0
IS1_Naphthalene-d8	1	1	-	0	20	83	0
Naphthalene	1.022	0.974	-	4.7	20	78	0
Benzoic Acid	50	54.631	-	-9.3	20	93	0
4-Chloroaniline	0.126	0.119	-	5.6	20	76	0
Hexachlorobutadiene	0.218	0.216	-	0.9	20	80	0
p-Chloro-m-cresol	0.294	0.296	-	-0.7	20	78	0
2-Methylnaphthalene	0.726	0.693	-	4.5	20	78	0
1-Methylnaphthalene	0.231	0.207	-	10.4	20	74	0
Hexachlorocyclopentadiene	0.304	0.247	-	18.8	20	67	0
2,4,6-Trichlorophenol	0.257	0.28	-	-8.9	20	86	0
2,4,5-Trichlorophenol	0.282	0.295	-	-4.6	20	83	0
2-Fluorobiphenyl	0.793	0.819	-	-3.3	20	84	0
2-Chloronaphthalene	0.741	0.718	-	3.1	20	80	0
2-Nitroaniline	0.248	0.266	-	-7.3	20	87	0
1,4-Dinitrobenzene	0.107	0.113	-	-5.6	20	83	0
1,3-Dinitrobenzene	0.12	0.123	-	-2.5	20	84	0
Dimethyl phthalate	0.857	0.856	-	0.1	20	82	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957		
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001		
Instrument ID	: GCMS5	**Calibration Date**	: 12/07/20 08:56		
Lab File ID	: ABN1207	**Init. Calib. Date(s)**	: 04/01/20	04/02/20	
Sample No	: WG1441843-3	**Init. Calib. Times**	: 22:40	10:43	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.125	1.207	-	-7.3	20	86	0
2,6-Dinitrotoluene	0.184	0.201	-	-9.2	20	85	0
1,2-Dinitrobenzene	0.074	0.073	-	1.4	20	82	0
IS1_Acenaphthene-d10	1	1	-	0	20	89	0
3-Nitroaniline	0.364	0.371	-	-1.9	20	88	0
Acenaphthene	1.138	1.079	-	5.2	20	85	0
2,4-Dinitrophenol	50	45.289	-	9.4	20	80	0
Dibenzofuran	1.766	1.657	-	6.2	20	83	0
2,4-Dinitrotoluene	0.424	0.43	-	-1.4	20	85	0
4-Nitrophenol	0.266	0.248	-	6.8	20	79	0
2,3,5,6-Tetrachlorophenol	0.427	0.421	-	1.4	20	82	0
2,3,4,6-Tetrachlorophenol	0.433	0.424	-	2.1	20	82	0
Diethyl phthalate	1.43	1.369	-	4.3	20	82	0
Fluorene	1.393	1.322	-	5.1	20	83	0
4-Chlorophenyl phenyl ethe	0.667	0.631	-	5.4	20	83	0
4-Nitroaniline	0.376	0.371	-	1.3	20	84	0
4,6-Dinitro-o-cresol	0.265	0.266	-	-0.4	20	83	0
NDPA/DPA	1.151	1.104	-	4.1	20	83	0
Azobenzene	1.26	1.155	-	8.3	20	80	0
2,4,6-Tribromophenol	0.243	0.304	-	-25.1*	20	102	0
4-Bromophenyl phenyl ether	0.429	0.428	-	0.2	20	86	0
Hexachlorobenzene	0.501	0.559	-	-11.6	20	97	0
Pentachlorophenol	50	47.709	-	4.6	20	88	0
IS1_Phenanthrene-d10	1	1	-	0	20	90	0
Phenanthrene	1.064	1.008	-	5.3	20	84	0
Anthracene	1.054	1.027	-	2.6	20	83	0
Carbazole	0.997	0.986	-	1.1	20	85	0
Di-n-butylphthalate	1.165	1.194	-	-2.5	20	86	0
Fluoranthene	1.287	1.272	-	1.2	20	85	0
Benzidine	0.835	0.933	-	-11.7	20	93	0
Pyrene	1.331	1.319	-	0.9	20	87	0
4-Terphenyl-d14	0.838	0.94	-	-12.2	20	94	0
Butyl benzyl phthalate	0.568	0.585	-	-3	20	88	0
IS1_Chrysene-d12	1	1	-	0	20	97	0
Benzo(a)anthracene	1.259	1.182	-	6.1	20	89	0
3,3'-Dichlorobenzidine	0.477	0.519	-	-8.8	20	98	0
Chrysene	1.209	1.118	-	7.5	20	89	0
Bis(2-ethylhexyl)phthalate	0.759	0.757	-	0.3	20	89	0
Di-n-octylphthalate	1.38	1.33	-	3.6	20	88	0
Benzo(b)fluoranthene	1.348	1.316	-	2.4	20	85	0
Benzo(k)fluoranthene	1.176	1.095	-	6.9	20	92	0
Benzo(a)pyrene	1.198	1.145	-	4.4	20	88	0
IS1_Perylene-d12	1	1	-	0	20	99	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957		
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001		
Instrument ID	: GCMS5	**Calibration Date**	: 12/07/20 08:56		
Lab File ID	: ABN1207	**Init. Calib. Date(s)**	: 04/01/20	04/02/20	
Sample No	: WG1441843-3	**Init. Calib. Times**	: 22:40	10:43	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.188	1.194	-	-0.5	20	94	0
Dibenzo(a,h)anthracene	1.049	1.052	-	-0.3	20	91	0
Benzo(ghi)perylene	1.164	1.143	-	1.8	20	92	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957		
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001		
Instrument ID	: GCMS5	**Calibration Date**	: 12/07/20 09:19		
Lab File ID	: AP91207	**Init. Calib. Date(s)**	: 04/01/20	04/02/20	
Sample No	: WG1441843-4	**Init. Calib. Times**	: 22:40	10:43	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	73	0
Benzaldehyde	1.039	0.992	-	4.5	20	70	0
Acetophenone	1.72	1.627	-	5.4	20	67	0
m-Toluidine	1.775	1.659	-	6.5	20	66	0
2-Chloroaniline	1.635	1.612	-	1.4	20	71	0
IS2_Naphthalene-d8	1	1	-	0	20	74	0
a-Terpineol	0.315	0.269	-	14.6	20	60	0
3-Chloroaniline	0.145	0.127	-	12.4	20	63	0
2,6-Dichlorophenol	0.305	0.324	-	-6.2	20	75	0
1-chloro-2-nitrobenzene	0.141	0.14	-	0.7	20	71	0
Caprolactam	0.184	0.173	-	6	20	66	0
1,2,4,5-Tetrachlorobenzene	0.358	0.387	-	-8.1	20	79	0
Biphenyl	0.814	0.81	-	0.5	20	71	0
IS2_Acenaphthene-d10	1	1	-	0	20	82	0
Dichloran	0.19	0.228	-	-20	20	89	0
Pentachloronitrobenzene	0.187	0.206	-	-10.2	20	88	0
IS2_Phenanthrene-d10	1	1	-	0	20	88	0
Diphenamid	0.482	0.467	-	3.1	20	82	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957		
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001		
Instrument ID	: GCMS5	**Calibration Date**	: 12/07/20 09:41		
Lab File ID	: ADP1207	**Init. Calib. Date(s)**	: 04/01/20	04/02/20	
Sample No	: WG1441843-5	**Init. Calib. Times**	: 22:40	10:43	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	60	0
1,4-Dioxane	0.479	0.419	-	12.5	20	52	0
n-Decane	1.305	1.189	-	8.9	20	51	0
IS3_Acenaphthene-d10	1	1	-	0	20	63	0
Atrazine	0.322	0.407	-	-26.4*	20	76	0
IS3_Phenanthrene-d10	1	1	-	0	20	68	0
n-Octadecane	0.427	0.381	-	10.8	20	58	0
Parathion	50	51.29	-	-2.6	20	73	0
3,3'-Dimethylbenzidine	0.715	0.942	-	-31.7*	20	79	0

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : I:\8270\Buffy\201203\
Data File : AP91203.D
Acq On : 3 Dec 2020 8:01 am
Operator : Buffy:im
Sample : wg1440617-4,32,,AP9 CCV Lot # 8958
Misc : wg1440617,,ical17377
ALS Vial : 97 Sample Multiplier: 1

Quant Time: Dec 03 12:43:24 2020
Quant Method : I:\8270\Buffy\201203\FS201120buffy.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 03 02:13:16 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
27	I	IS2_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	92	0.00
28	T	Benzaldehyde	1.014	1.094	-7.9	101	0.00
29	T	Acetophenone	1.686	1.844	-9.4	103	0.00
30	T	m-Toluidine	1.687	1.880	-11.4	104	0.00
31	T	2-Chloroaniline	1.563	1.709	-9.3	102	0.00
55	I	IS2_Naphthalene-d8	1.000	1.000	0.0	95	0.00
56	T	a-Terpineol	0.243	0.277	-14.0	108	0.00
57	T	3-Chloroaniline	0.123	0.131	-6.5	104	0.00
58	T	2,6-Dichlorophenol	0.276	0.301	-9.1	100	0.00
59	T	1-chloro-2-nitrobenzene	0.132	0.140	-6.1	101	0.00
60	T	Caprolactam	0.139	0.170	-22.3#	111	0.00
61	T	1,2,4,5-Tetrachlorobenzene	0.358	0.353	1.4	96	0.00
62	T	Biphenyl	0.857	0.903	-5.4	103	0.00
83	I	IS2_Acenaphthene-d10	1.000	1.000	0.0	96	0.00
84	T	Dichloran	0.185	0.215	-16.2	105	0.00
85	T	Pentachloronitrobenzene	0.182	0.188	-3.3	97	0.00
98	I	IS2_Phenanthrene-d10	1.000	1.000	0.0	94	0.00
99	T	Diphenamid	0.484	0.556	-14.9	104	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201203\
Data File : AP91203.D
Acq On : 3 Dec 2020 8:01 am
Operator : Buffy:im
Sample : wg1440617-4,32,,AP9 CCV Lot # 8958
Misc : wg1440617,,ical17377
ALS Vial : 97 Sample Multiplier: 1

Quant Time: Dec 03 12:43:24 2020
Quant Method : I:\8270\Buffy\201203\FS201120buffy.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 03 02:13:16 2020
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	3.961	152	207397	40.000	ug/ml	0.00
55) IS2_Naphthalene-d8	5.030	136	813715	40.000	ug/ml	0.00
83) IS2_Acenaphthene-d10	6.540	164	484202	40.000	ug/ml	0.00
98) IS2_Phenanthrene-d10	7.815	188	1007048	40.000	ug/ml	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	3.596	105	283597	53.917	ug/ml	89
29) Acetophenone	4.307	105	478151	54.692	ug/ml#	86
30) m-Toluidine	4.378	106	487255	55.704	ug/ml	98
31) 2-Chloroaniline	4.689	127	442941	54.671	ug/ml	99
56) a-Terpineol	5.077	59	281303	56.989	ug/ml#	80
57) 3-Chloroaniline	5.095	65	133744	53.524	ug/ml	98
58) 2,6-Dichlorophenol	5.118	162	305780	54.494	ug/ml	91
59) 1-chloro-2-nitrobenzene	5.341	111	142370	52.865	ug/ml#	87
60) Caprolactam	5.388	55	172767	61.126	ug/ml#	65
61) 1,2,4,5-Tetrachloroben...	5.800	216	358866	49.332	ug/ml	98
62) Biphenyl	6.052	154	918835	52.730	ug/ml	100
84) Dichloran	7.545	206	129837	57.944	ug/ml#	67
85) Pentachloronitrobenzene	7.674	237	114040	51.635	ug/ml#	80
99) Diphenamid	8.614	167	700079	57.438	ug/ml#	61

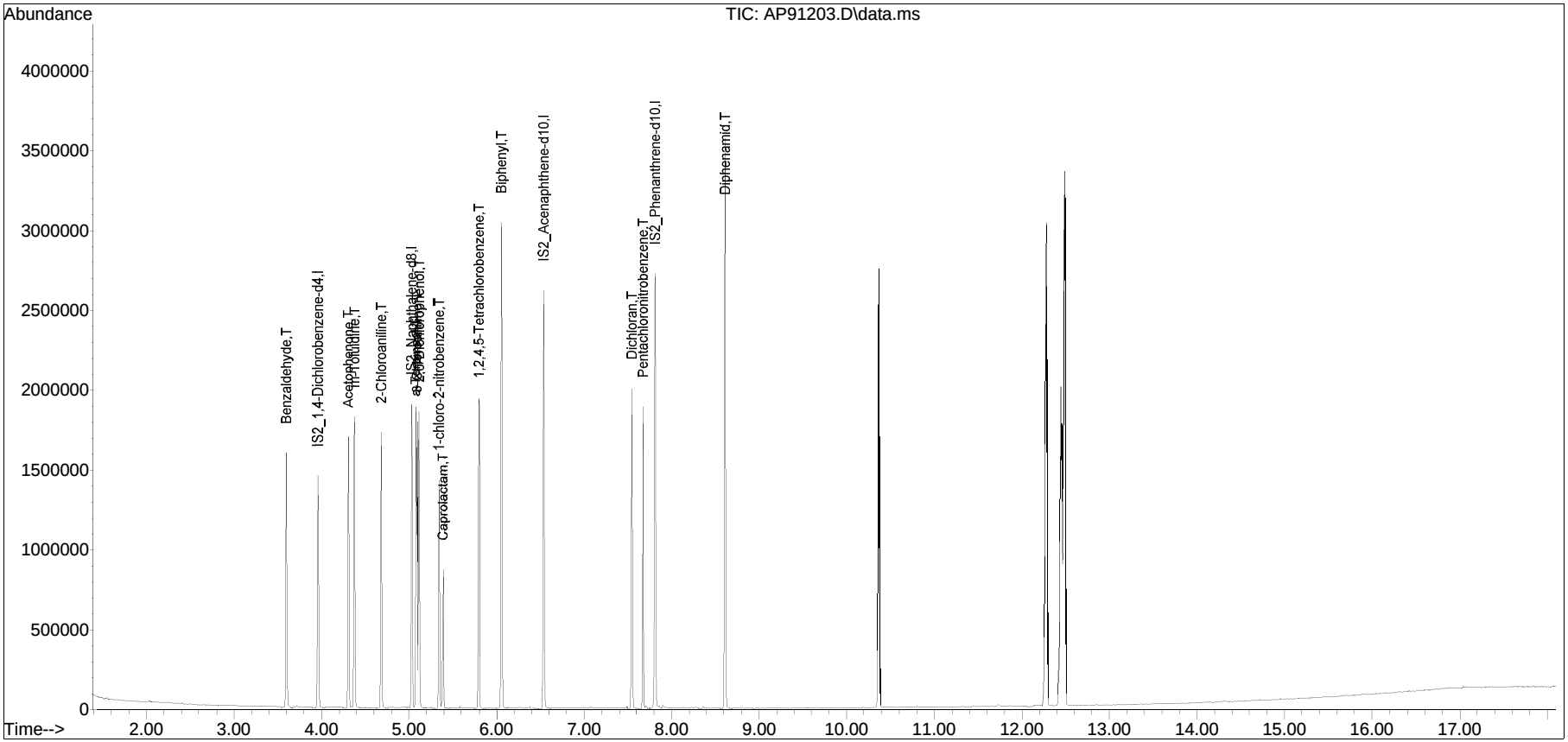
(#) = qualifier out of range (m) = manual integration (+) = signals summed

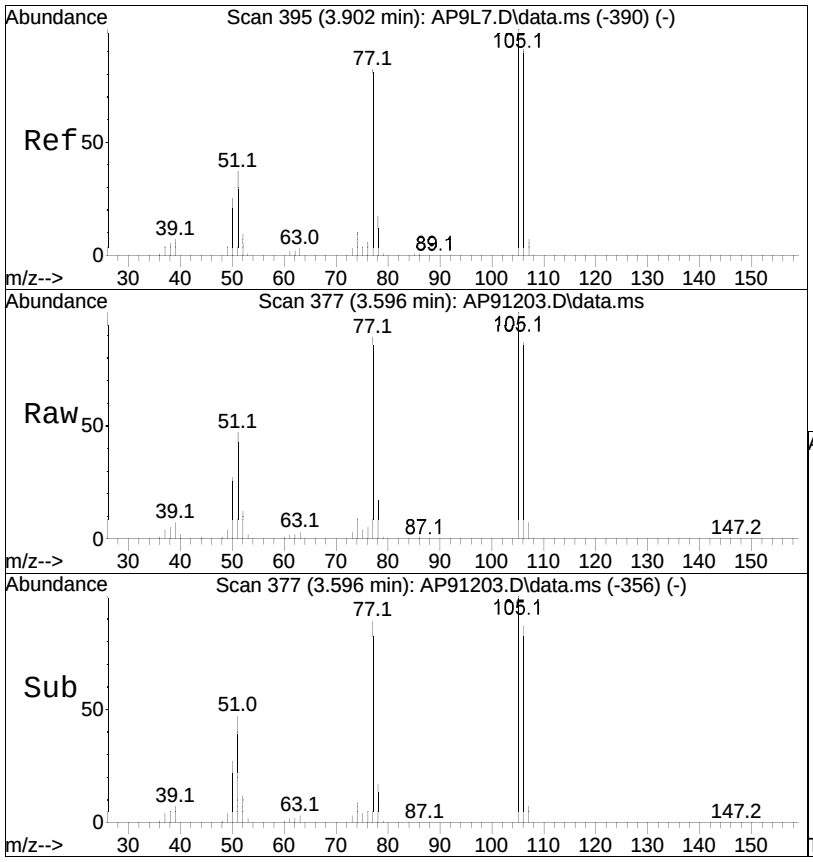
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201203\
Data File : AP91203.D
Acq On : 3 Dec 2020 8:01 am
Operator : Buffy:im
Sample : wg1440617-4,32,,AP9 CCV Lot # 8958
Misc : wg1440617,,ical17377
ALS Vial : 97 Sample Multiplier: 1

Quant Time: Dec 03 12:43:24 2020
Quant Method : I:\8270\Buffy\201203\FS201120buffy.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 03 02:13:16 2020
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

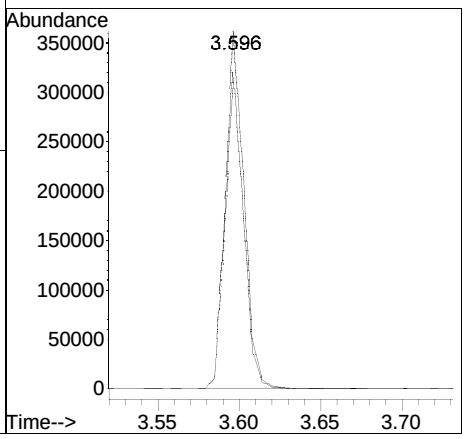


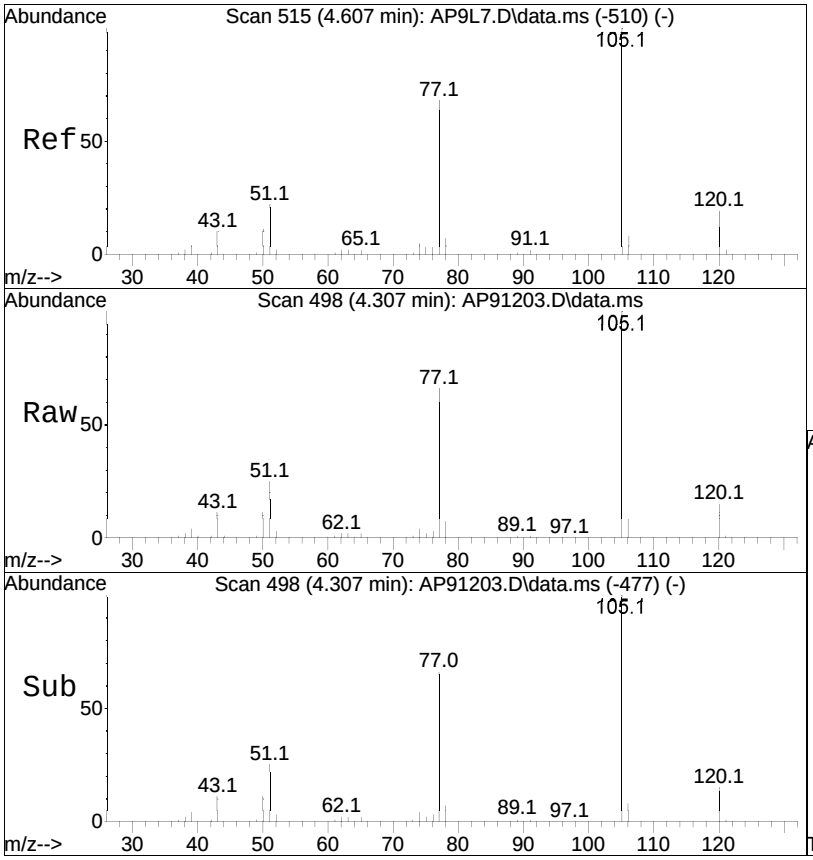


#28
Benzaldehyde
Concen: 53.92 ug/ml
RT: 3.596 min Scan# 377
Delta R.T. 0.000 min
Lab File: AP91203.D
Acq: 3 Dec 2020 8:01 am

Tgt Ion:105 Resp: 283597

Ion	Ratio	Lower	Upper
105	100		
77	88.1	79.4	119.0

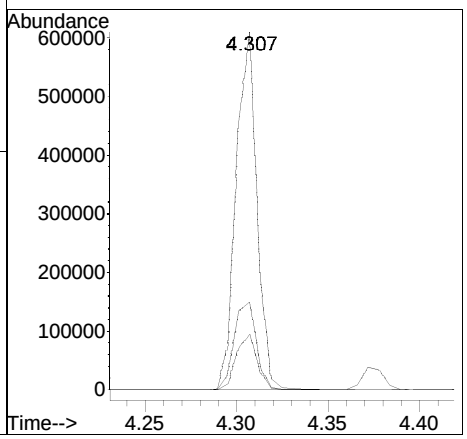


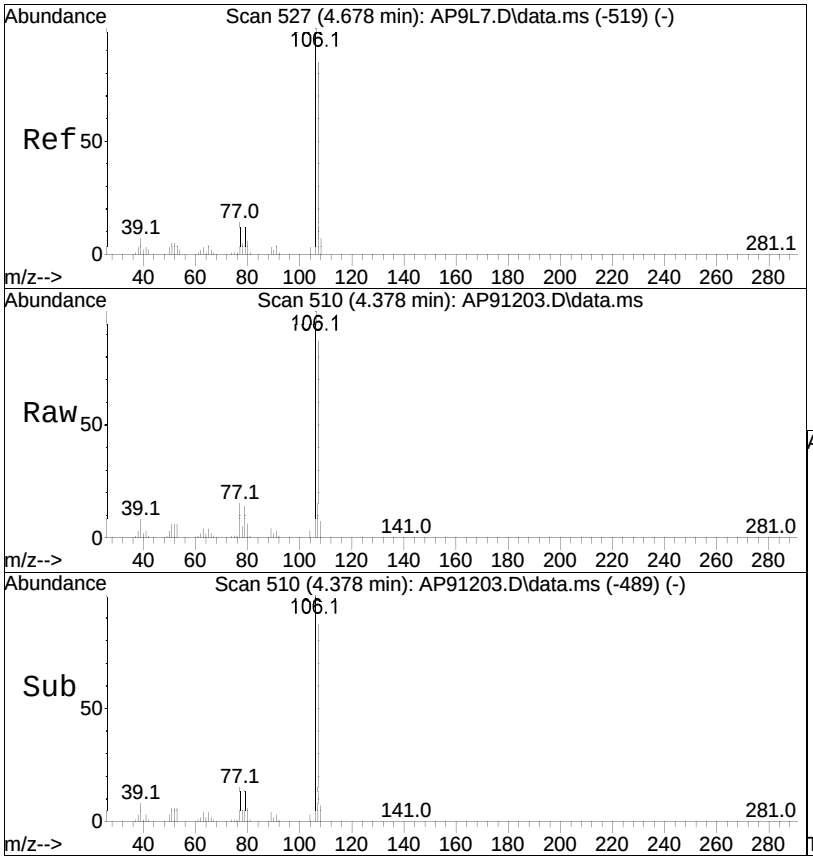


#29
Acetophenone
Concen: 54.69 ug/ml
RT: 4.307 min Scan# 498
Delta R.T. 0.000 min
Lab File: AP91203.D
Acq: 3 Dec 2020 8:01 am

Tgt Ion:105 Resp: 478151

Ion	Ratio	Lower	Upper
105	100		
120	15.6	19.9	29.9#
51	26.4	17.8	26.6

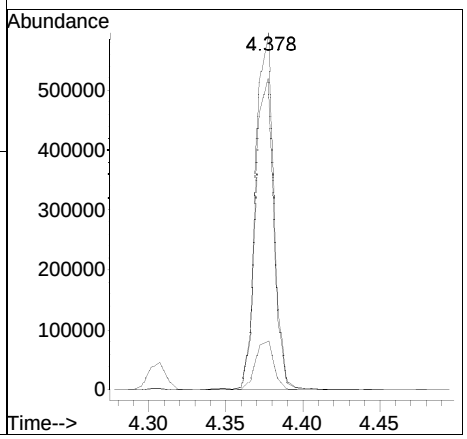


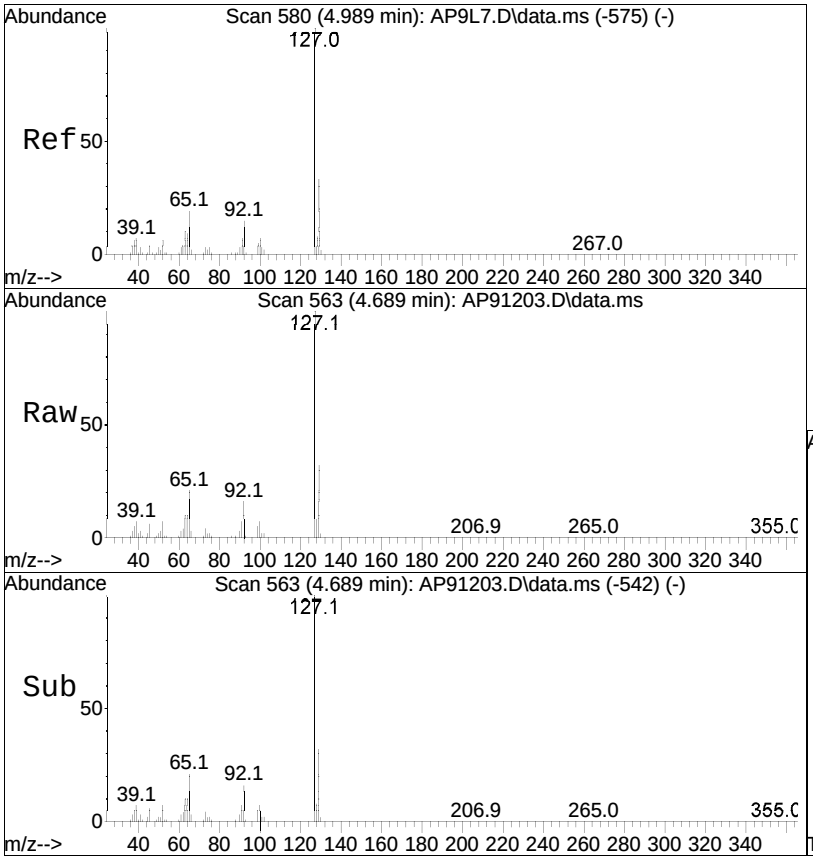


#30
m-Toluidine
Concen: 55.70 ug/ml
RT: 4.378 min Scan# 510
Delta R.T. 0.000 min
Lab File: AP91203.D
Acq: 3 Dec 2020 8:01 am

Tgt Ion:106 Resp: 487255

Ion	Ratio	Lower	Upper
106	100		
107	88.7	72.6	109.0
79	14.1	11.2	16.8

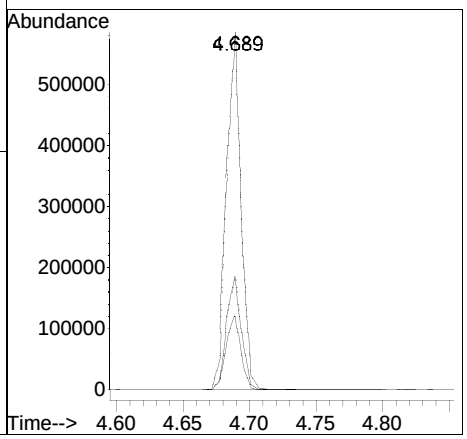


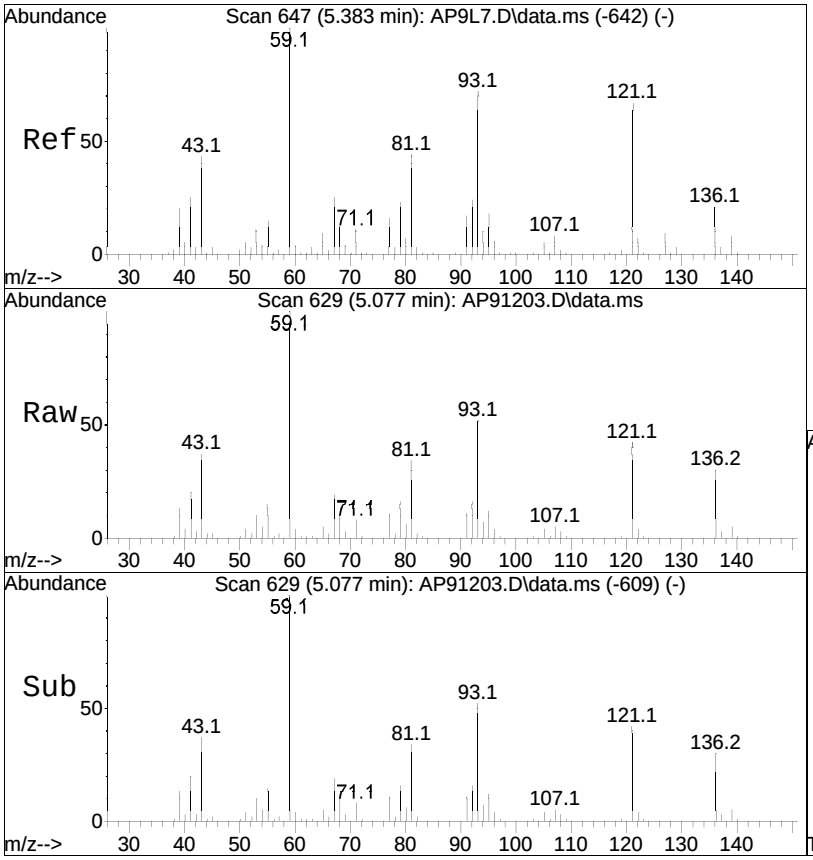


#31
2-Chloroaniline
Concen: 54.67 ug/ml
RT: 4.689 min Scan# 563
Delta R.T. 0.000 min
Lab File: AP91203.D
Acq: 3 Dec 2020 8:01 am

Tgt Ion:127 Resp: 442941

Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.0	39.0
65	21.4	17.7	26.5

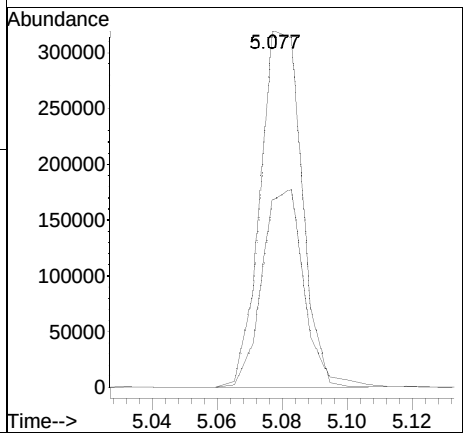


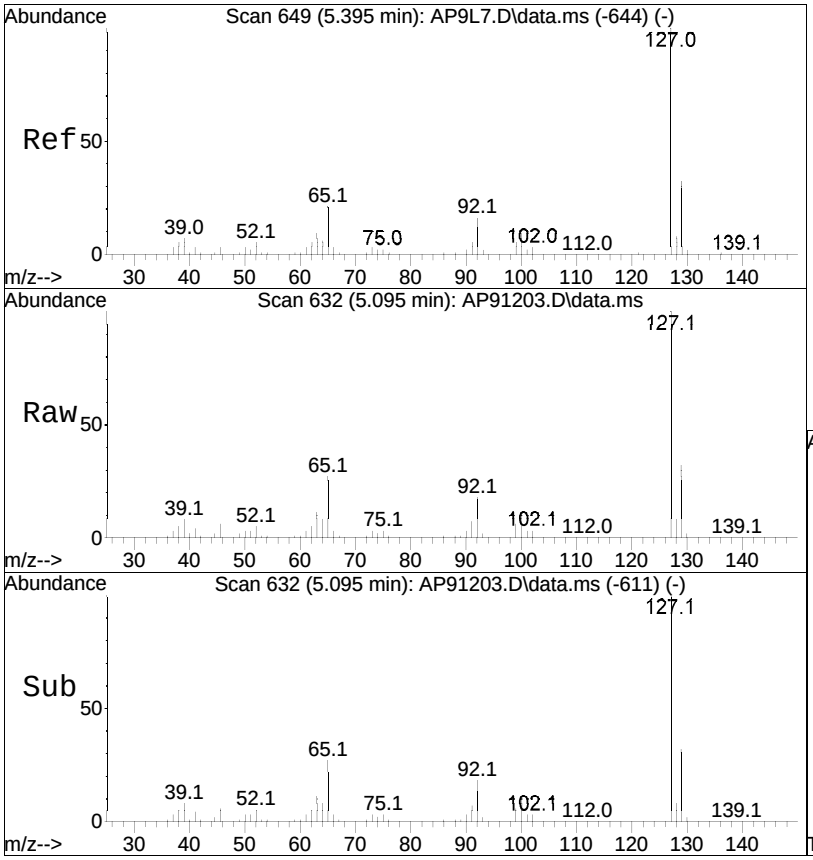


#56
a-Terpineol
Concen: 56.99 ug/ml
RT: 5.077 min Scan# 629
Delta R.T. -0.006 min
Lab File: AP91203.D
Acq: 3 Dec 2020 8:01 am

Tgt Ion: 59 Resp: 281303

Ion	Ratio	Lower	Upper
59	100		
93	56.6	59.1	88.7#

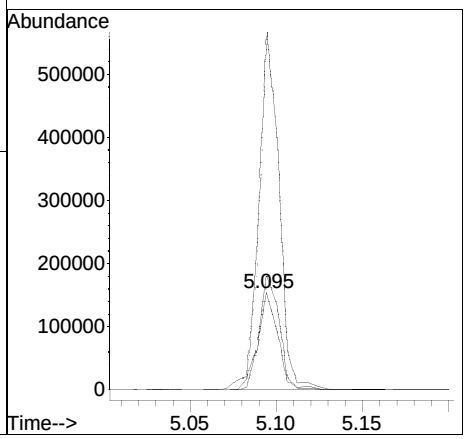


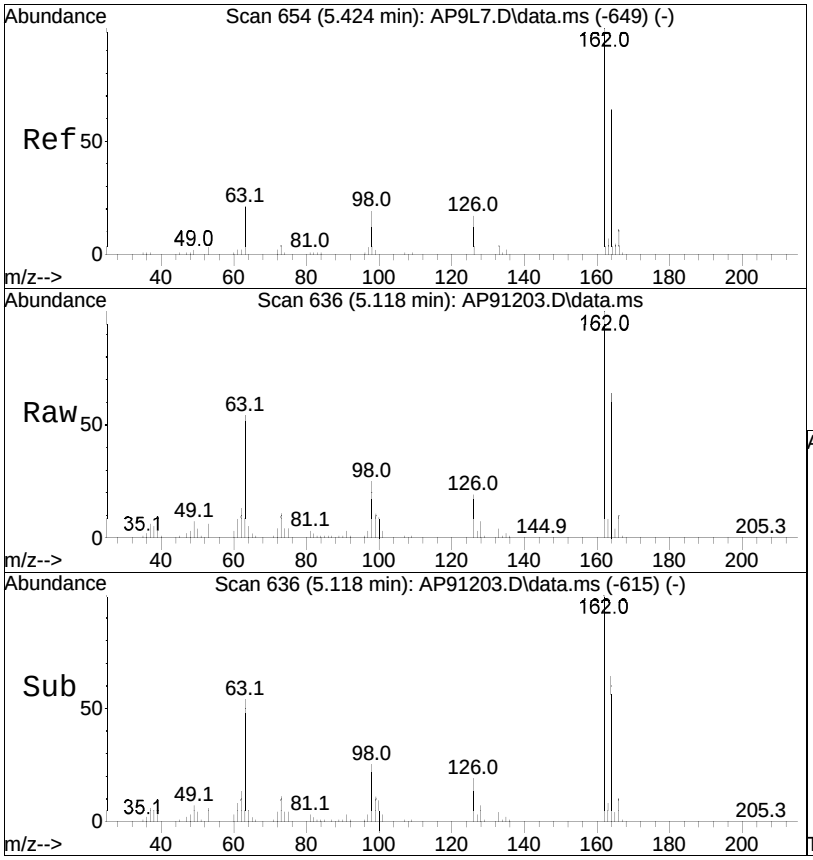


#57
3-Chloroaniline
Concen: 53.52 ug/ml
RT: 5.095 min Scan# 632
Delta R.T. 0.000 min
Lab File: AP91203.D
Acq: 3 Dec 2020 8:01 am

Tgt Ion: 65 Resp: 133744

Ion	Ratio	Lower	Upper
65	100		
127	337.7	273.4	410.2
129	109.7	88.0	132.0

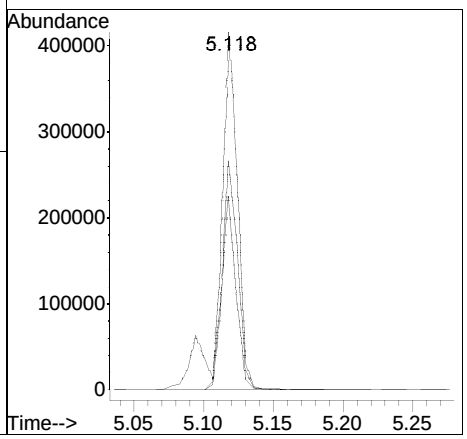


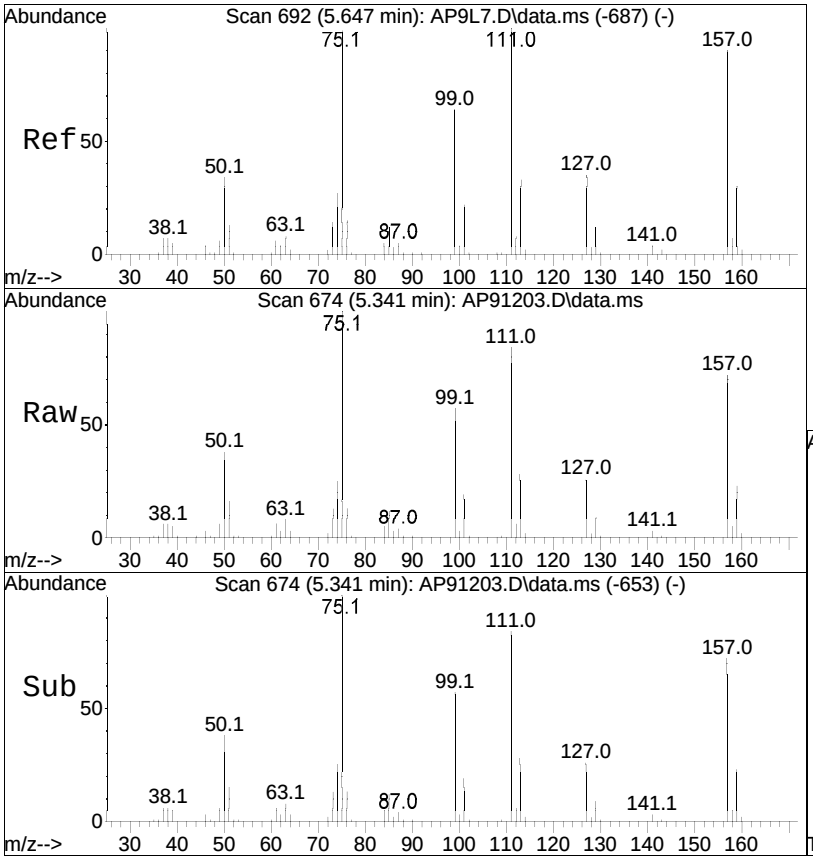


#58
2,6-Dichlorophenol
Concen: 54.49 ug/ml
RT: 5.118 min Scan# 636
Delta R.T. 0.000 min
Lab File: AP91203.D
Acq: 3 Dec 2020 8:01 am

Tgt Ion:162 Resp: 305780

Ion	Ratio	Lower	Upper
162	100		
164	64.5	50.6	75.8
63	51.0	50.5	75.7

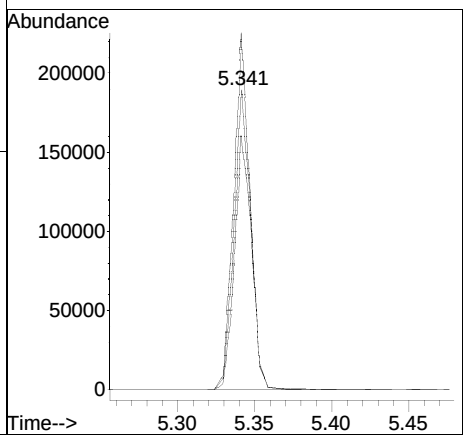


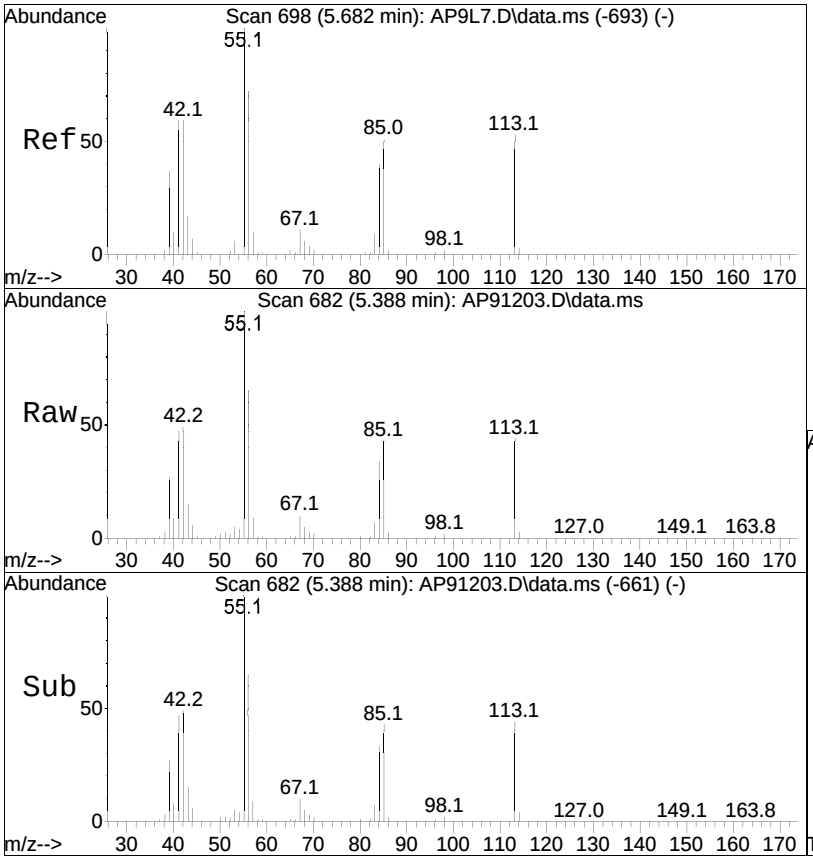


#59
1-chloro-2-nitrobenzene
Concen: 52.86 ug/ml
RT: 5.341 min Scan# 674
Delta R.T. 0.000 min
Lab File: AP91203.D
Acq: 3 Dec 2020 8:01 am

Tgt Ion:111 Resp: 142370

Ion	Ratio	Lower	Upper
111	100		
157	85.9	55.1	82.7#
75	115.6	100.1	150.1

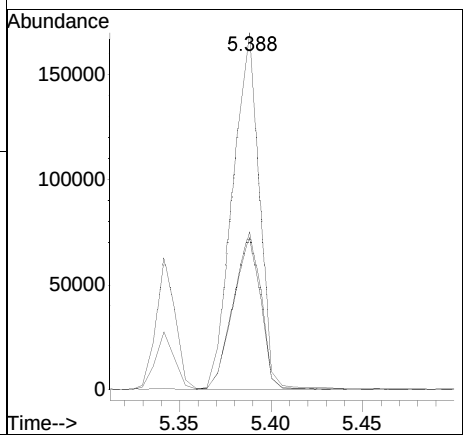


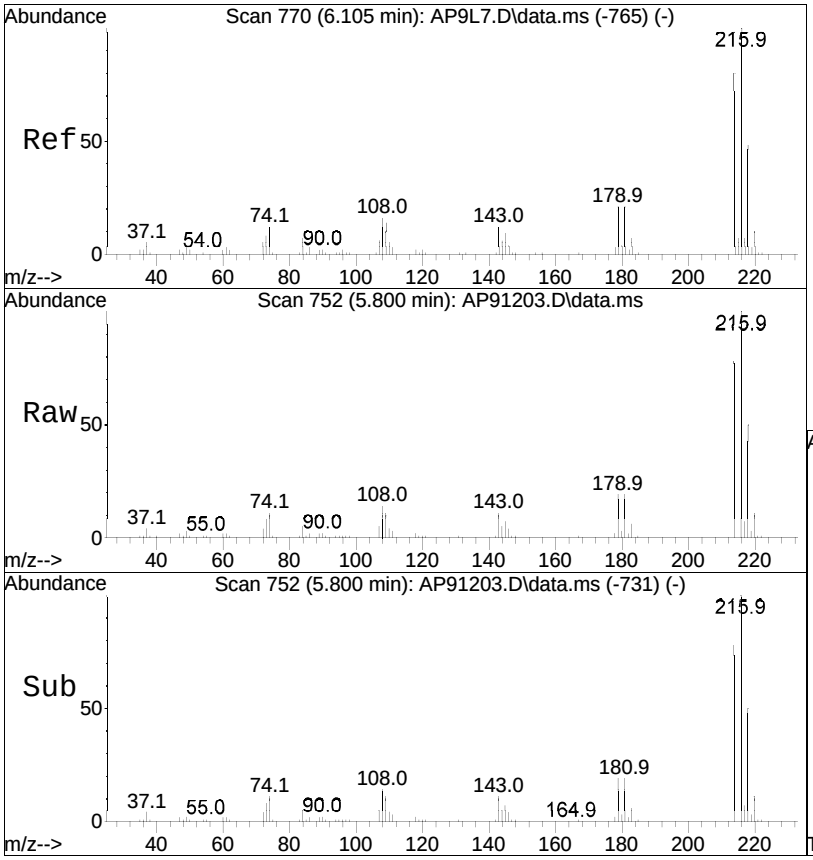


#60
Caprolactam
Concen: 61.13 ug/ml
RT: 5.388 min Scan# 682
Delta R.T. 0.000 min
Lab File: AP91203.D
Acq: 3 Dec 2020 8:01 am

Tgt Ion: 55 Resp: 172767

Ion	Ratio	Lower	Upper
55	100		
85	44.1	47.4	71.2#
113	46.7	71.0	106.4#

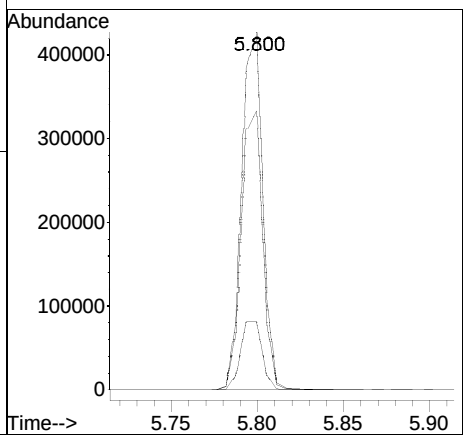


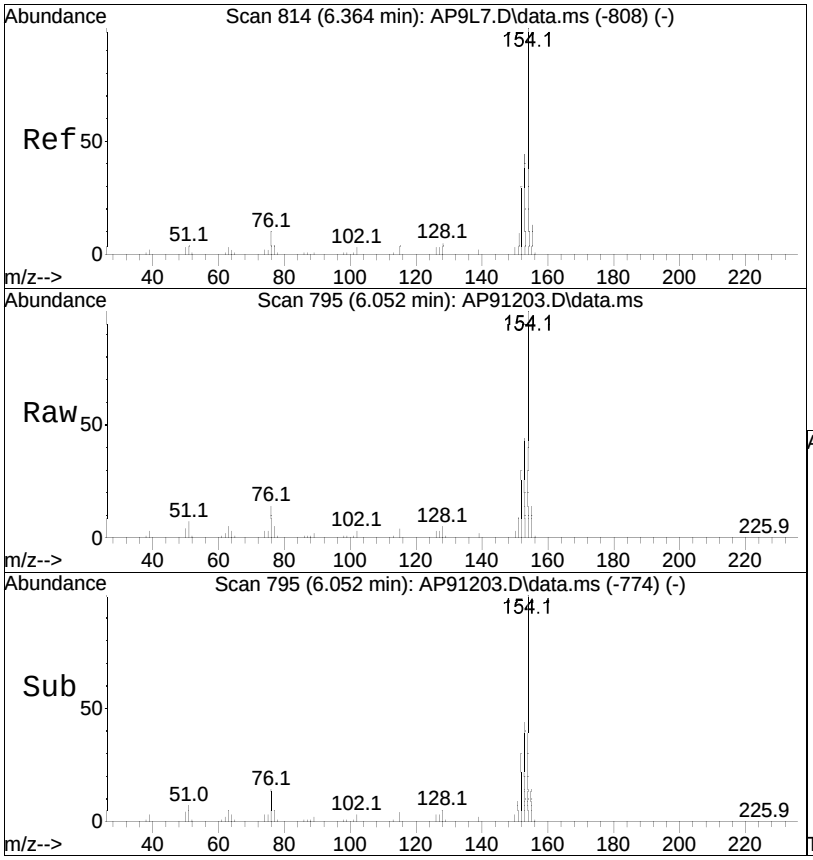


#61
1,2,4,5-Tetrachlorobenzene
Concen: 49.33 ug/ml
RT: 5.800 min Scan# 752
Delta R.T. 0.000 min
Lab File: AP91203.D
Acq: 3 Dec 2020 8:01 am

Tgt Ion:216 Resp: 358866

Ion	Ratio	Lower	Upper
216	100		
214	79.3	64.2	96.2
179	19.9	17.8	26.8

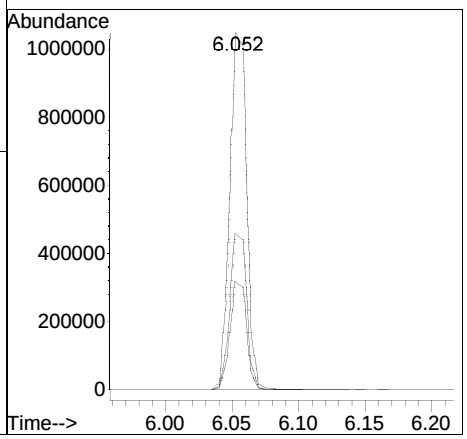


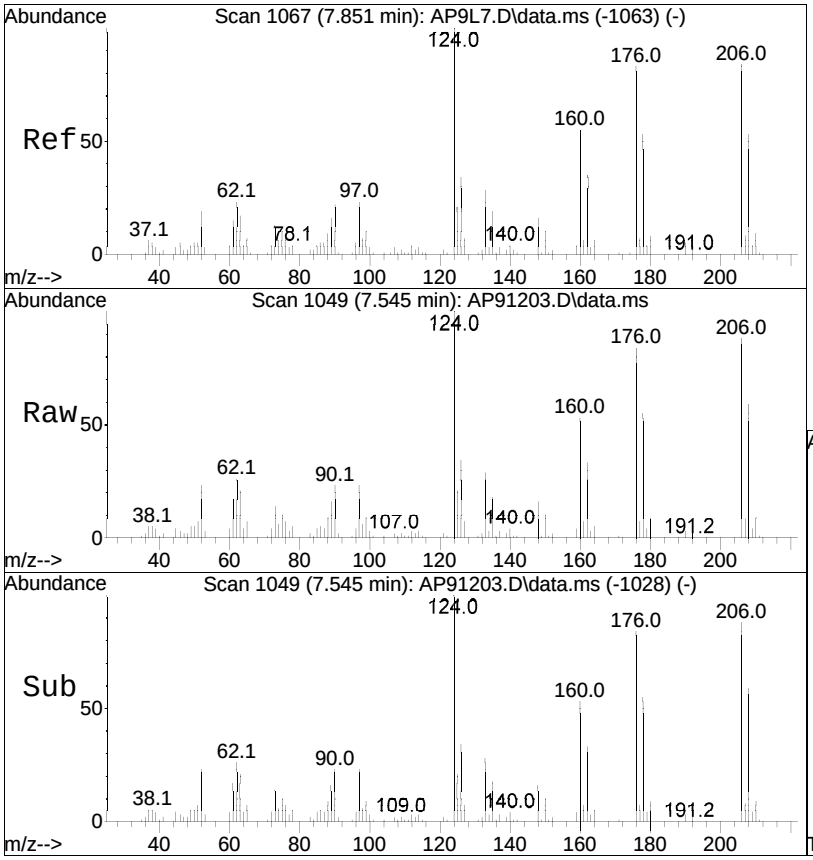


#62
Biphenyl
Concen: 52.73 ug/ml
RT: 6.052 min Scan# 795
Delta R.T. 0.000 min
Lab File: AP91203.D
Acq: 3 Dec 2020 8:01 am

Tgt Ion:154 Resp: 918835

Ion	Ratio	Lower	Upper
154	100		
153	43.7	35.1	52.7
152	30.0	24.0	36.0

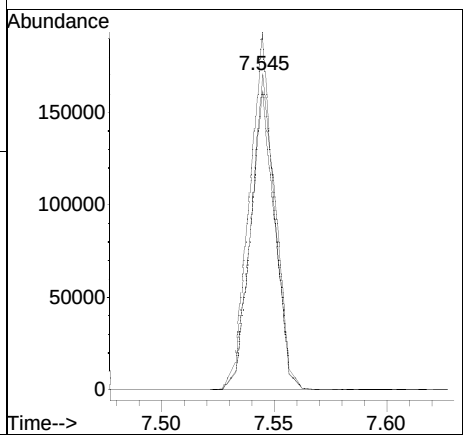


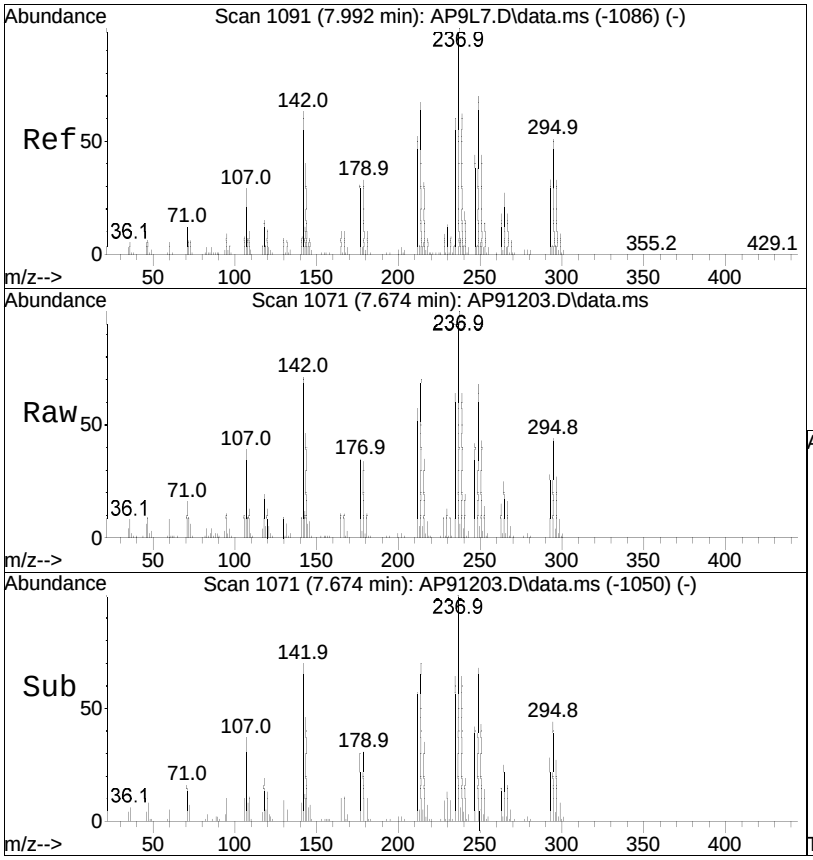


#84
Dichloran
Concen: 57.94 ug/ml
RT: 7.545 min Scan# 1049
Delta R.T. 0.000 min
Lab File: AP91203.D
Acq: 3 Dec 2020 8:01 am

Tgt Ion:206 Resp: 129837

Ion	Ratio	Lower	Upper
206	100		
176	93.3	93.0	139.6
124	111.0	133.2	199.8#

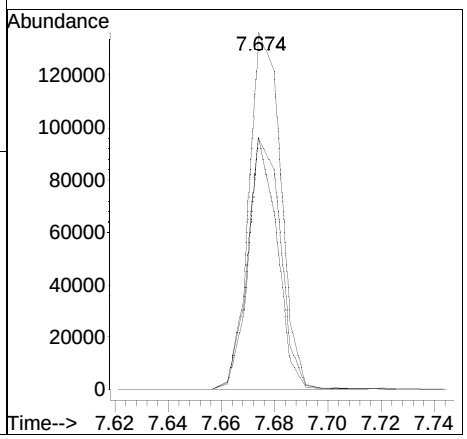


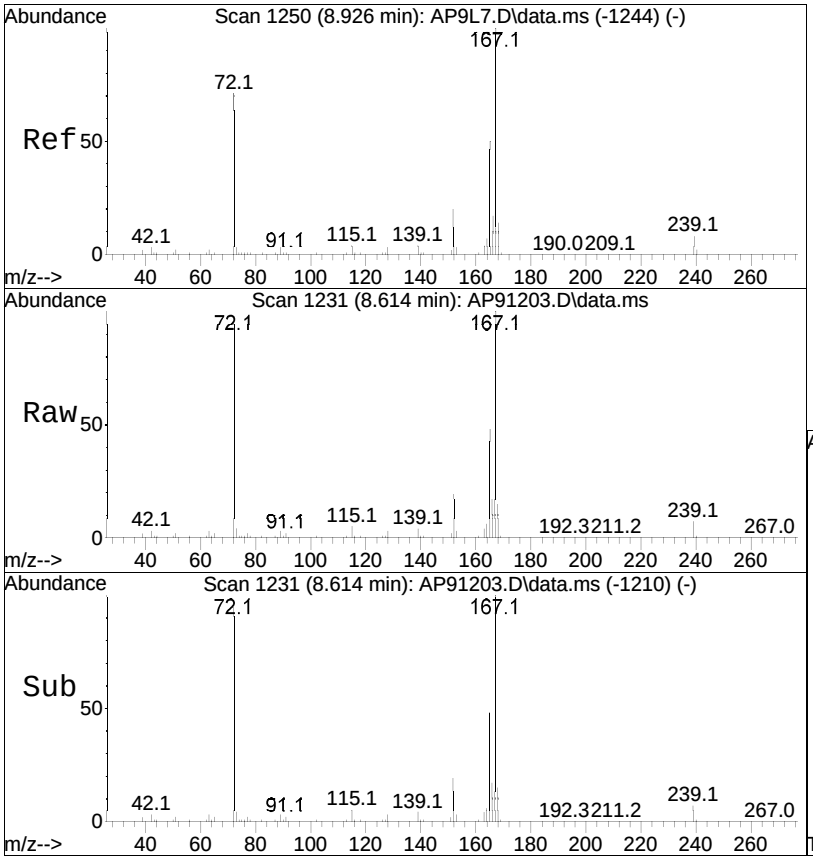


#85
Pentachloronitrobenzene
Concen: 51.63 ug/ml
RT: 7.674 min Scan# 1071
Delta R.T. 0.000 min
Lab File: AP91203.D
Acq: 3 Dec 2020 8:01 am

Tgt Ion:237 Resp: 114040

Ion	Ratio	Lower	Upper
237	100		
142	65.2	79.9	119.9#
214	70.7	56.7	85.1

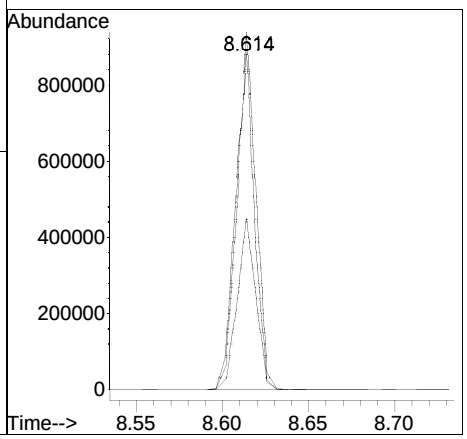




#99
Diphenamid
Concen: 57.44 ug/ml
RT: 8.614 min Scan# 1231
Delta R.T. 0.000 min
Lab File: AP91203.D
Acq: 3 Dec 2020 8:01 am

Tgt Ion:167 Resp: 700079

Ion	Ratio	Lower	Upper
167	100		
72	94.6	127.1	190.7#
165	47.6	44.1	66.1



Manual Integration Report

Data Path	: I:\8270\Buffy\201203\	QMethod	: FS201120buffy.m
Data File	: AP91203.D	Operator	: Buffy:im
Date Inj'd	: 12/3/2020 8:01 am	Instrument	: Buffy
Sample	: wg1440617-4,32,,AP9 CCV Lo	Quant Date	: 12/3/2020 8:19 am

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\8270\Buffy\201203\
Data File : ADP1203.D
Acq On : 3 Dec 2020 8:24 am
Operator : Buffy:im
Sample : wg1440617-5,32,,ADP CCV Lot # 8969
Misc : wg1440617,,ical17377
ALS Vial : 98 Sample Multiplier: 1

Quant Time: Dec 03 12:42:15 2020
Quant Method : I:\8270\Buffy\201203\FS201120buffy.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 03 02:13:16 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
32	I	IS3_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	77	0.00
33	T	1,4-Dioxane	*	50.000	49.265	1.5	84	0.00
34	T	n-Decane		1.177	1.270	-7.9	96	0.00
86	I	IS3_Acenaphthene-d10		1.000	1.000	0.0	78	0.00
87	T	Atrazine		0.345	0.396	-14.8	97	0.00
100	I	IS3_Phenanthrene-d10		1.000	1.000	0.0	75	0.00
101	T	n-Octadecane		0.347	0.409	-17.9	96	0.00
102	T	Parathion	*	50.000	55.615	-11.2	105	0.00
103	T	3,3'-Dimethylbenzidine	*	50.000	56.461	-12.9	104	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201203\
Data File : ADP1203.D
Acq On : 3 Dec 2020 8:24 am
Operator : Buffy:im
Sample : wg1440617-5,32,,ADP CCV Lot # 8969
Misc : wg1440617,,ical17377
ALS Vial : 98 Sample Multiplier: 1

Quant Time: Dec 03 12:42:15 2020
Quant Method : I:\8270\Buffy\201203\FS201120buffy.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 03 02:13:16 2020
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	3.961	152	195628	40.000	ug/ml	0.00
86) IS3_Acenaphthene-d10	6.540	164	456868	40.000	ug/ml	0.00
100) IS3_Phenanthrene-d10	7.815	188	941073	40.000	ug/ml	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.604	88	101332	49.265	ug/ml#	86
34) n-Decane	3.855	57	310676	53.960	ug/ml	95
87) Atrazine	7.609	200	226161	57.349	ug/ml	100
101) n-Octadecane	7.786	57	481287	58.950	ug/ml#	86
102) Parathion	8.508	109	161081	55.615	ug/ml	99
103) 3,3'-Dimethylbenzidine	9.724	212	1038968	56.461	ug/ml	98

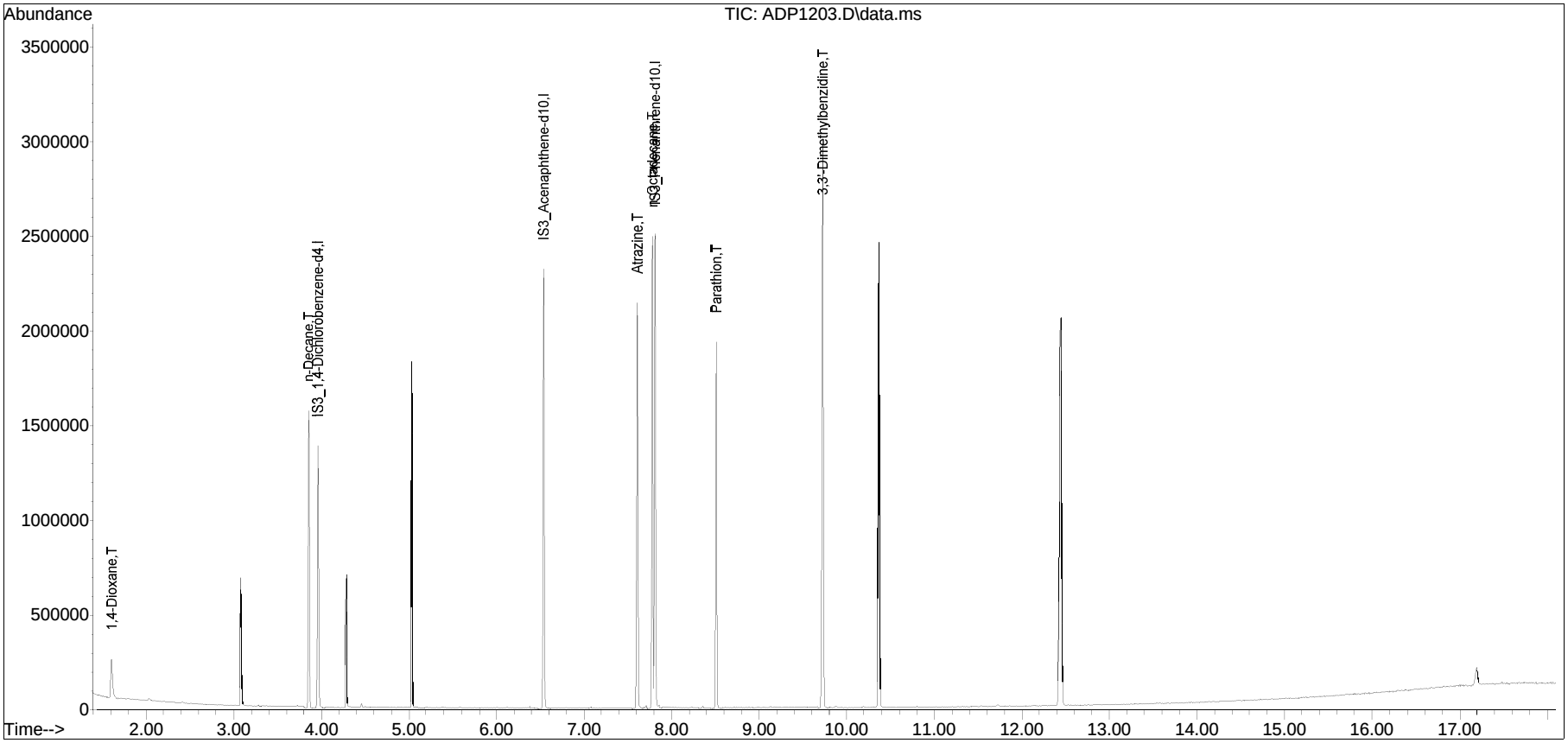
(#) = qualifier out of range (m) = manual integration (+) = signals summed

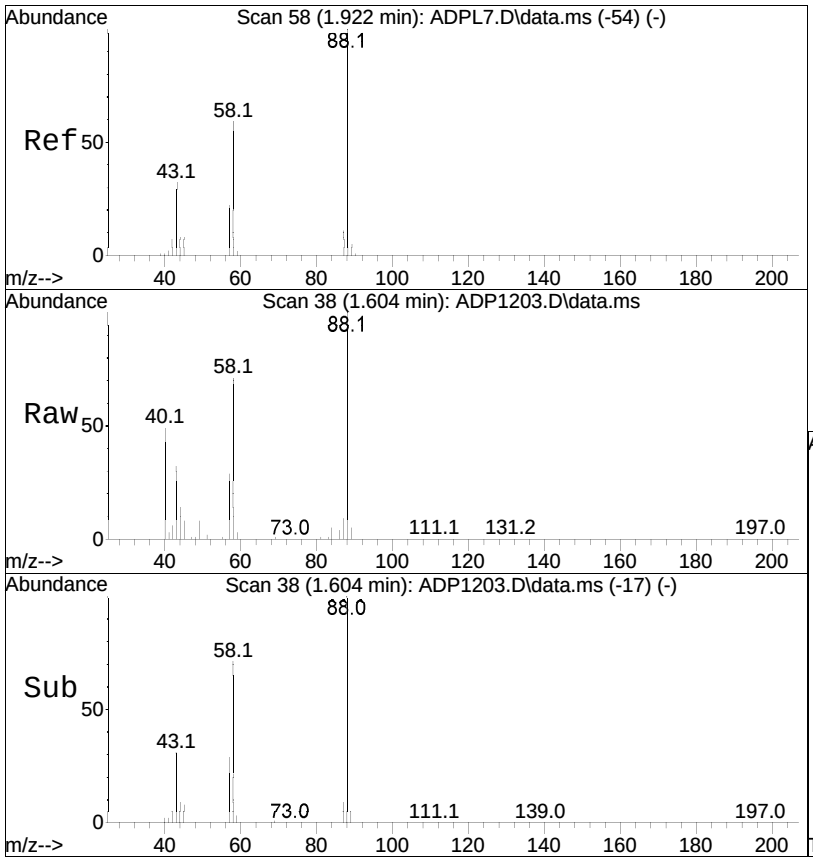
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201203\
Data File : ADP1203.D
Acq On : 3 Dec 2020 8:24 am
Operator : Buffy:im
Sample : wg1440617-5,32,,ADP CCV Lot # 8969
Misc : wg1440617,,ical17377
ALS Vial : 98 Sample Multiplier: 1

Quant Time: Dec 03 12:42:15 2020
Quant Method : I:\8270\Buffy\201203\FS201120buffy.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 03 02:13:16 2020
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

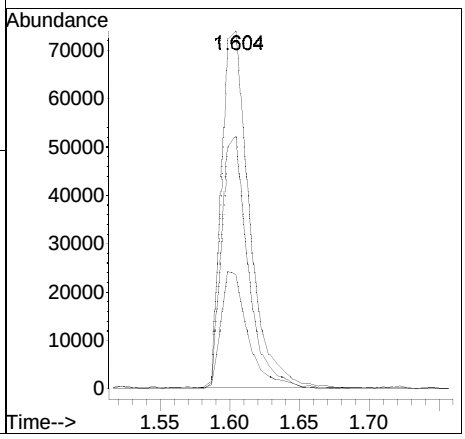


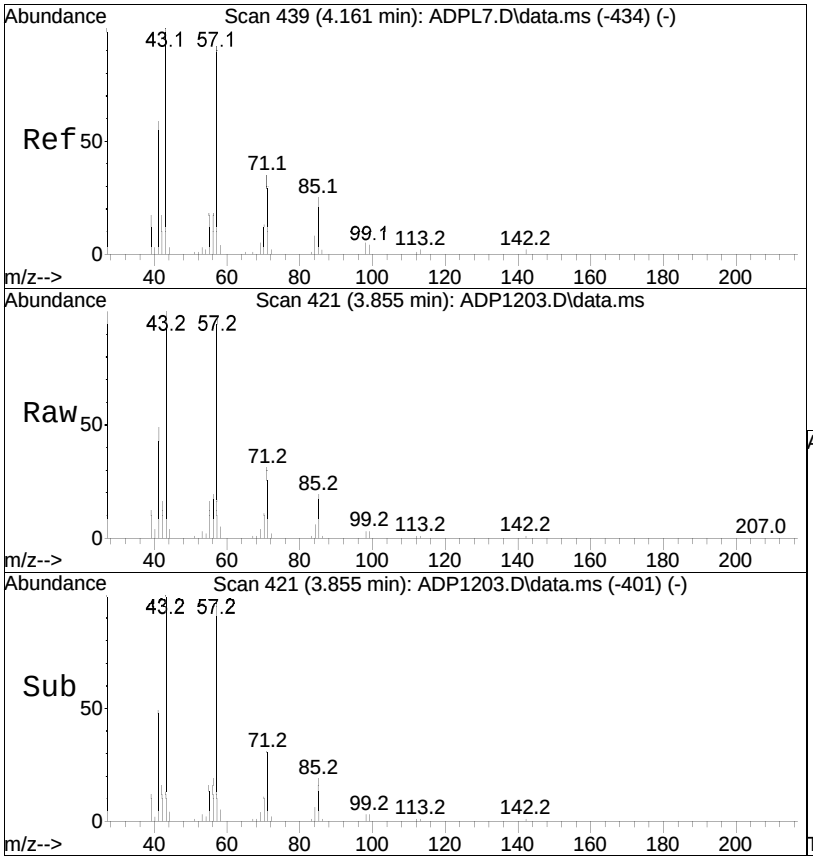


#33
1,4-Dioxane
Concen: 49.26 ug/ml
RT: 1.604 min Scan# 38
Delta R.T. -0.000 min
Lab File: ADP1203.D
Acq: 3 Dec 2020 8:24 am

Tgt Ion: 88 Resp: 101332

Ion	Ratio	Lower	Upper
88	100		
58	68.5	44.8	67.2#
43	32.2	22.4	33.6

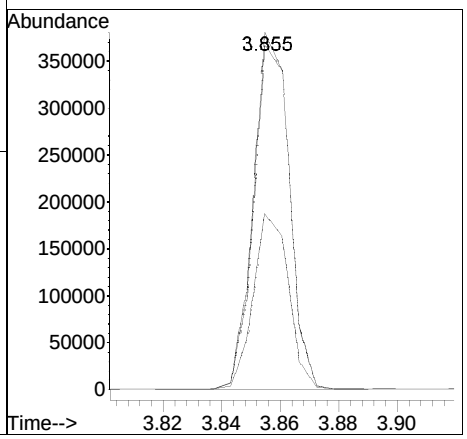


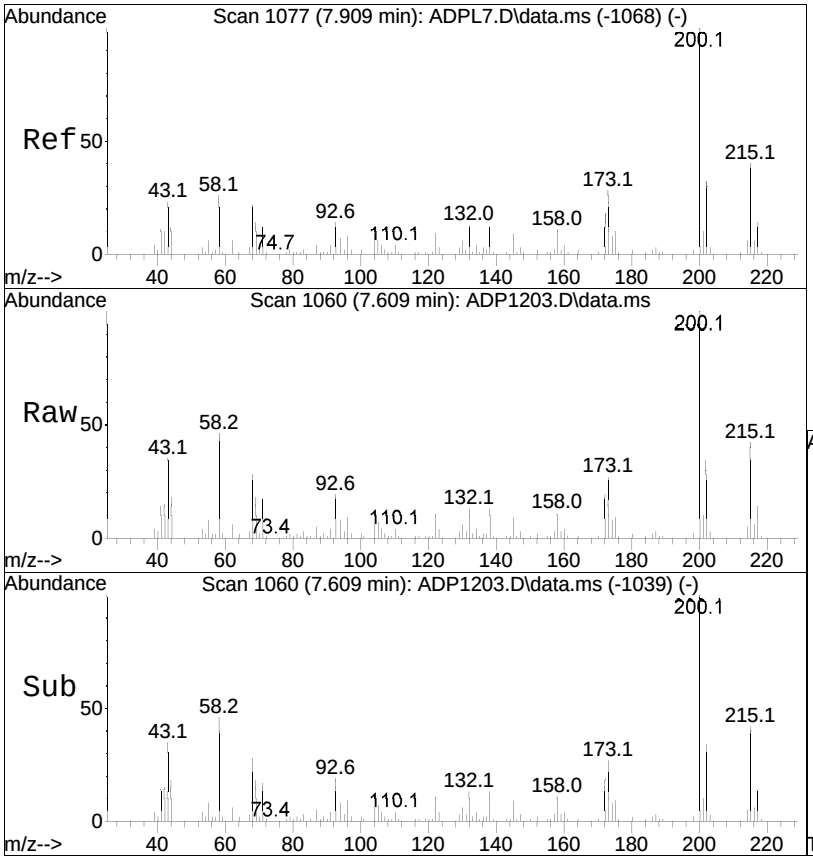


#34
n-Decane
Concen: 53.96 ug/ml
RT: 3.855 min Scan# 421
Delta R.T. -0.006 min
Lab File: ADP1203.D
Acq: 3 Dec 2020 8:24 am

Tgt Ion: 57 Resp: 310676

Ion	Ratio	Lower	Upper
57	100		
43	102.6	80.7	121.1
41	50.2	45.8	68.8

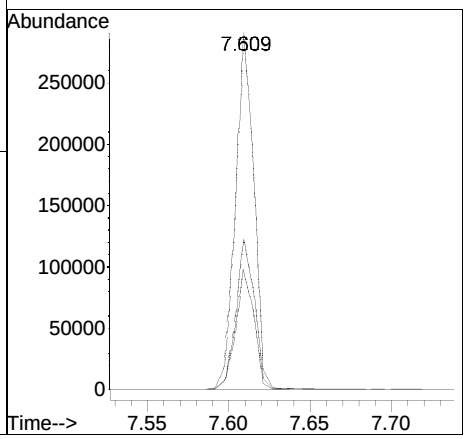


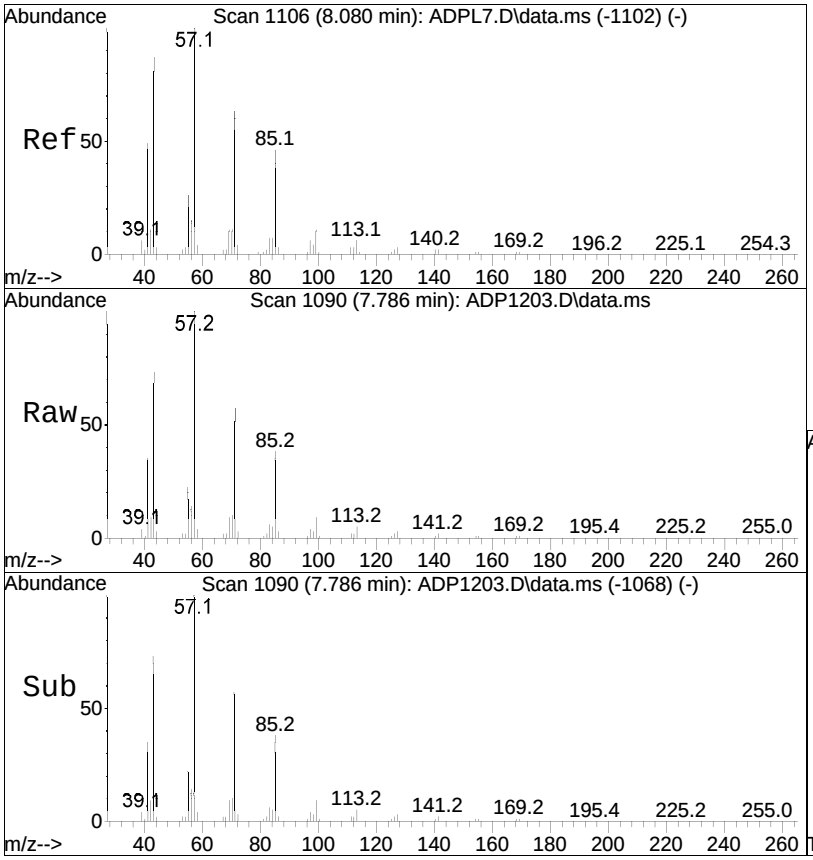


#87
Atrazine
Concen: 57.35 ug/ml
RT: 7.609 min Scan# 1060
Delta R.T. -0.000 min
Lab File: ADP1203.D
Acq: 3 Dec 2020 8:24 am

Tgt Ion:200 Resp: 226161

Ion	Ratio	Lower	Upper
200	100		
202	33.5	26.6	40.0
215	42.4	34.1	51.1

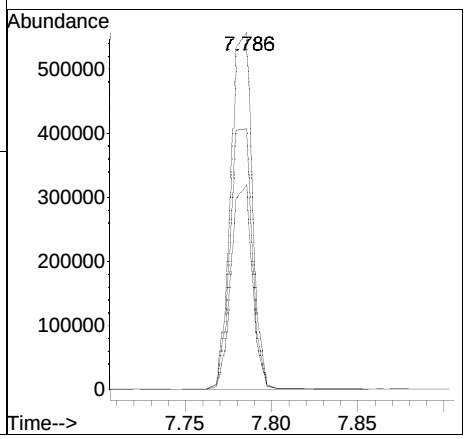


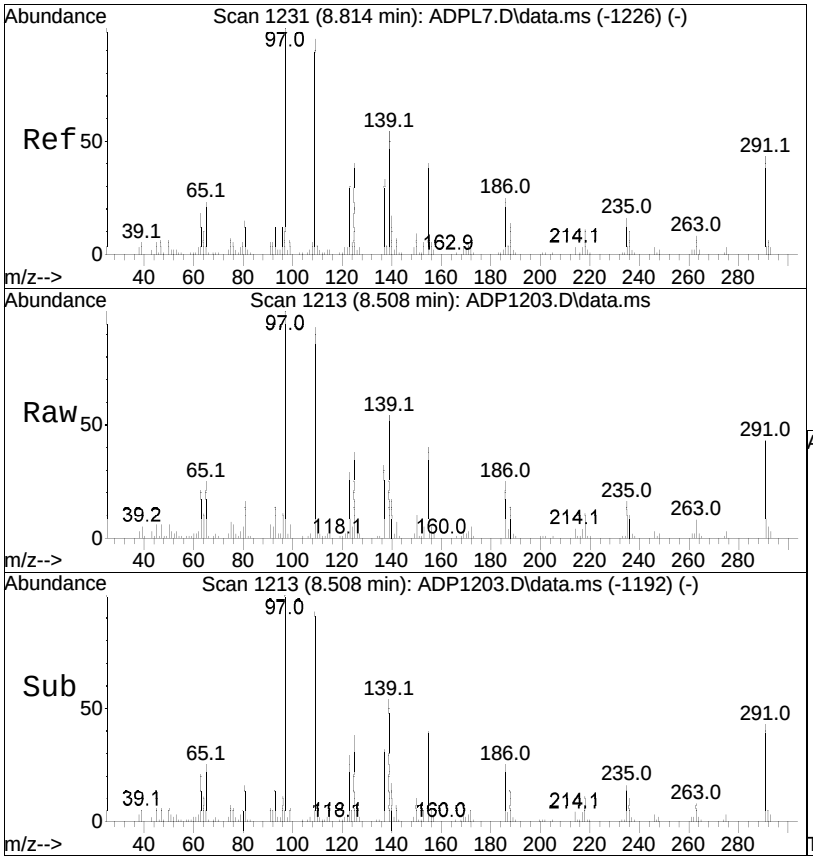


#101
n-Octadecane
Concen: 58.95 ug/ml
RT: 7.786 min Scan# 1090
Delta R.T. 0.006 min
Lab File: ADP1203.D
Acq: 3 Dec 2020 8:24 am

Tgt Ion: 57 Resp: 481287

Ion	Ratio	Lower	Upper
57	100		
43	74.6	63.4	95.0
71	56.5	61.4	92.0#

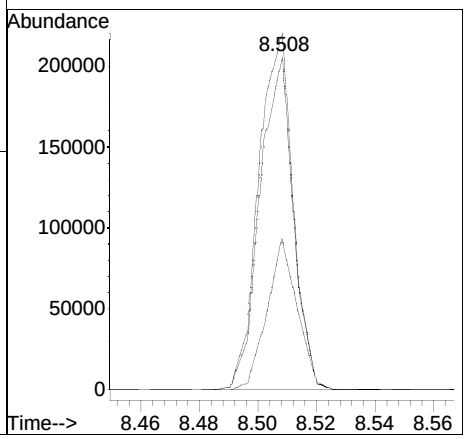


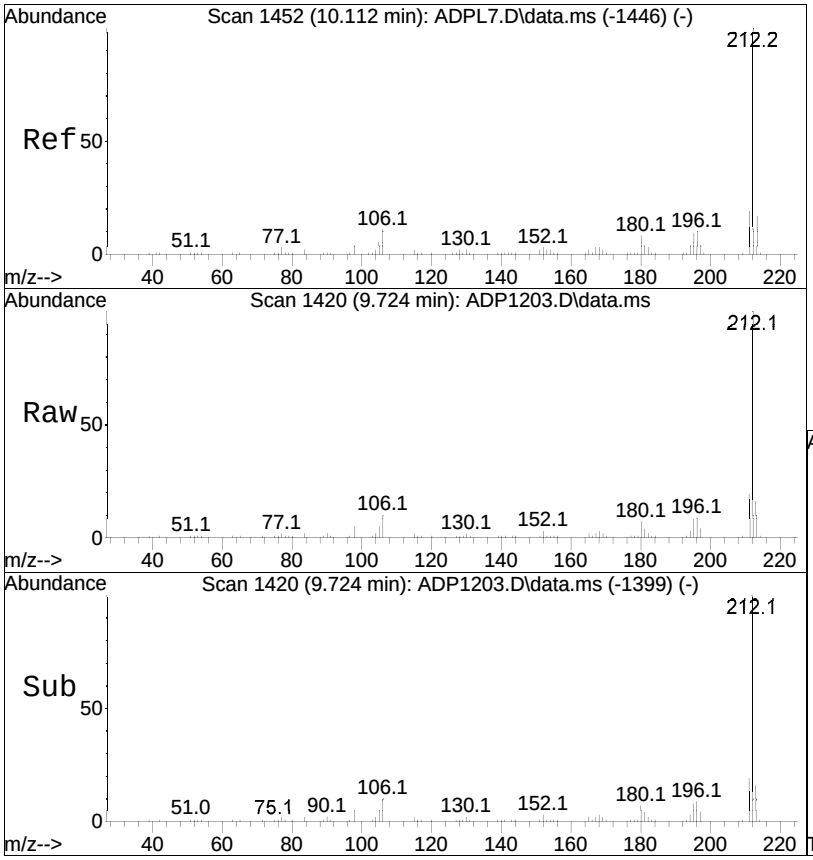


#102
Parathion
Concen: 55.61 ug/ml
RT: 8.508 min Scan# 1213
Delta R.T. -0.000 min
Lab File: ADP1203.D
Acq: 3 Dec 2020 8:24 am

Tgt Ion:109 Resp: 161081

Ion	Ratio	Lower	Upper
109	100		
97	110.8	88.0	132.0
291	41.6	31.6	47.4

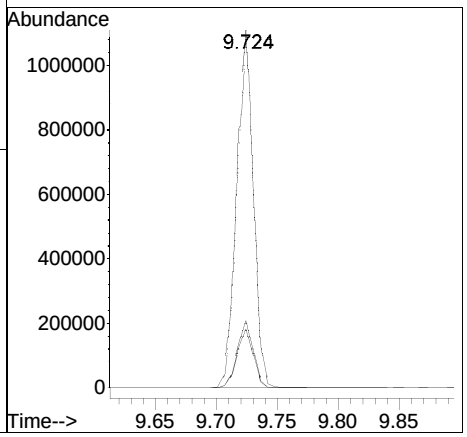




#103
3,3'-Dimethylbenzidine
Concen: 56.46 ug/ml
RT: 9.724 min Scan# 1420
Delta R.T. -0.000 min
Lab File: ADP1203.D
Acq: 3 Dec 2020 8:24 am

Tgt Ion:212 Resp: 1038968

Ion	Ratio	Lower	Upper
212	100		
211	18.3	14.2	21.4
213	16.3	14.0	21.0



Manual Integration Report

Data Path	: I:\8270\Buffy\201203\	QMethod	: FS201120buffy.m
Data File	: ADP1203.D	Operator	: Buffy:im
Date Inj'd	: 12/3/2020 8:24 am	Instrument	: Buffy
Sample	: wg1440617-5,32,,ADP CCV Lo	Quant Date	: 12/3/2020 8:44 am

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\8270\Buffy\201203\
Data File : ABN1203a.D
Acq On : 3 Dec 2020 8:49 am
Operator : Buffy:im
Sample : wg1440617-3,32,,ABN CCV Lot # 8947
Misc : wg1440617,,ical17377
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Dec 03 12:41:23 2020
Quant Method : I:\8270\Buffy\201203\FS201120buffy.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 03 02:13:16 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	IS1_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00
2	t	n-Nitrosodimethylamine	0.698	0.705	-1.0	107	0.00
3	t	Pyridine	1.285	1.278	0.5	106	0.00
4	S	2-Fluorophenol	1.135	1.145	-0.9	104	0.00
5	T	Aniline	1.818	1.899	-4.5	110	0.00
6	t	2-Chlorophenol	1.307	1.328	-1.6	105	0.00
7	S	Phenol-d6	1.361	1.415	-4.0	108	0.00
8	T	Phenol	1.548	1.607	-3.8	108	0.00
9	T	Bis(2-chloroethyl)ether	1.058	1.052	0.6	107	0.00
10	T	1,3-Dichlorobenzene	1.562	1.486	4.9	103	0.00
11	T	1,4-Dichlorobenzene	1.564	1.505	3.8	104	0.00
12	T	1,2-Dichlorobenzene	1.521	1.436	5.6	102	0.00
13	t	Benzyl alcohol	0.954	1.029	-7.9	110	0.00
14	T	Bis(2-chloroisopropyl)ether	1.733	1.801	-3.9	109	0.00
15	T	2-Methylphenol	1.118	1.192	-6.6	112	0.00
16	T	Hexachloroethane	0.595	0.549	7.7	100	0.00
17	T	n-Nitrosodi-n-propylamine	0.836	0.881	-5.4	113	0.00
18	T	3-Methylphenol/4-Methylphen	1.173	1.262	-7.6	111	0.00
19	S	Nitrobenzene-d5	1.254	1.313	-4.7	111	0.00
20	T	Nitrobenzene	1.203	1.260	-4.7	110	0.00
21	T	Isophorone	2.271	2.429	-7.0	113	0.00
22	T	2-Nitrophenol	0.654	0.758	-15.9	117	0.00
23	T	2,4-Dimethylphenol	1.251	1.347	-7.7	112	0.00
24	T	Bis(2-chloroethoxy)methane	1.475	1.525	-3.4	113	0.00
25	T	2,4-Dichlorophenol	1.160	1.232	-6.2	110	0.00
26	T	1,2,4-Trichlorobenzene	1.337	1.308	2.2	105	0.00
35	I	IS1_Naphthalene-d8	1.000	1.000	0.0	108	0.00
36	T	Naphthalene	1.054	1.018	3.4	112	0.00
37	T	Benzoic Acid	0.252	0.275	-9.1	118	0.00
38	T	4-Chloroaniline	0.117	0.118	-0.9	113	0.00
39	T	Hexachlorobutadiene	0.211	0.186	11.8	103	0.00
40	T	p-Chloro-m-cresol	0.289	0.296	-2.4	112	0.00
41	T	2-Methylnaphthalene	0.734	0.724	1.4	114	0.00
42	T	1-Methylnaphthalene	0.230	0.222	3.5	112	0.00
43	T	Hexachlorocyclopentadiene	0.263	0.260	1.1	109	0.00
44	T	2,4,6-Trichlorophenol	0.231	0.238	-3.0	111	0.00
45	T	2,4,5-Trichlorophenol	0.256	0.260	-1.6	111	0.00
46	S	2-Fluorobiphenyl	0.861	0.830	3.6	114	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\Buffy\201203\
Data File : ABN1203a.D
Acq On : 3 Dec 2020 8:49 am
Operator : Buffy:im
Sample : wg1440617-3,32,,ABN CCV Lot # 8947
Misc : wg1440617,,ical17377
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Dec 03 12:41:23 2020
Quant Method : I:\8270\Buffy\201203\FS201120buffy.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 03 02:13:16 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47	T	2-Chloronaphthalene	0.710	0.686	3.4	111	0.00
48	T	2-Nitroaniline	0.232	0.250	-7.8	115	0.00
49	T	1,4-Dinitrobenzene	0.102	0.109	-6.9	116	0.00
50	T	1,3-Dinitrobenzene	0.113	0.125	-10.6	117	0.00
51	T	Dimethyl phthalate	0.873	0.835	4.4	111	0.00
52	T	Acenaphthylene	1.230	1.223	0.6	113	0.00
53	T	2,6-Dinitrotoluene	0.176	0.185	-5.1	112	0.00
54	T	1,2-Dinitrobenzene	0.071	0.073	-2.8	112	0.00
63	I	IS1_Acenaphthene-d10	1.000	1.000	0.0	113	0.00
64	T	3-Nitroaniline	0.354	0.365	-3.1	114	0.00
65	T	Acenaphthene	1.236	1.161	6.1	115	0.00
66	T	2,4-Dinitrophenol	0.183	0.205	-12.0	121	0.00
67	T	Dibenzofuran	1.810	1.748	3.4	112	0.00
68	T	2,4-Dinitrotoluene	0.407	0.421	-3.4	112	0.00
69	T	4-Nitrophenol	0.235	0.235	0.0	108	0.00
70	T	2,3,5,6-Tetrachlorophenol	0.380	0.374	1.6	110	0.00
71	T	2,3,4,6-Tetrachlorophenol	0.385	0.363	5.7	107	0.00
72	T	Diethyl phthalate	1.583	1.490	5.9	112	0.00
73	T	Fluorene	1.487	1.426	4.1	114	0.00
74	T	4-Chlorophenyl phenyl ether	0.719	0.672	6.5	115	0.00
75	T	4-Nitroaniline	0.359	0.365	-1.7	109	0.00
76	T	4,6-Dinitro-o-cresol	0.225	0.248	-10.2	117	0.00
77	T	NDPA/DPA	1.279	1.234	3.5	113	0.00
78	T	Azobenzene	1.240	1.179	4.9	113	0.00
79	S	2,4,6-Tribromophenol	0.264	0.251	4.9	107	0.00
80	T	4-Bromophenyl phenyl ether	0.460	0.424	7.8	114	0.00
81	T	Hexachlorobenzene	0.557	0.498	10.6	109	0.00
82	T	Pentachlorophenol	0.306	0.303	1.0	104	0.00
88	I	IS1_Phenanthrene-d10	1.000	1.000	0.0	113	0.00
89	T	Phenanthrene	1.087	1.029	5.3	112	0.00
90	T	Anthracene	1.135	1.071	5.6	112	0.00
91	T	Carbazole	1.046	1.014	3.1	112	0.00
92	T	Di-n-butylphthalate	1.251	1.240	0.9	111	0.00
93	T	Fluoranthene	1.313	1.255	4.4	111	0.00
94	T	Benzidine	0.830	0.938	-13.0	115	0.00
95	T	Pyrene	1.384	1.295	6.4	110	0.00
96	S	4-Terphenyl-d14	1.020	0.975	4.4	112	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\Buffy\201203\
Data File : ABN1203a.D
Acq On : 3 Dec 2020 8:49 am
Operator : Buffy:im
Sample : wg1440617-3,32,,ABN CCV Lot # 8947
Misc : wg1440617,,ical17377
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Dec 03 12:41:23 2020
Quant Method : I:\8270\Buffy\201203\FS201120buffy.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 03 02:13:16 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
97	T	Butyl benzyl phthalate	0.566	0.595	-5.1	112	0.00
104	I	IS1_Chrysene-d12	1.000	1.000	0.0	108	0.00
105	T	Benzo(a)anthracene	1.283	1.221	4.8	110	0.00
106	T	3,3'-Dichlorobenzidine	0.479	0.513	-7.1	109	0.00
107	T	Chrysene	1.197	1.146	4.3	107	0.00
108	T	Bis(2-ethylhexyl)phthalate	0.779	0.834	-7.1	110	0.00
109	T	Di-n-octylphthalate	1.334	1.487	-11.5	111	0.00
110	T	Benzo(b)fluoranthene	1.299	1.314	-1.2	107	0.00
111	T	Benzo(k)fluoranthene	1.218	1.204	1.1	104	0.00
112	T	Benzo(a)pyrene	1.102	1.157	-5.0	106	0.00
113	I	IS1_Perylene-d12	1.000	1.000	0.0	105	0.00
114	T	Indeno(1,2,3-cd)pyrene	1.099	1.160	-5.6	105	0.00
115	T	Dibenzo(a,h)anthracene	1.124	1.139	-1.3	103	0.00
116	T	Benzo(ghi)perylene	1.175	1.185	-0.9	102	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201203\
Data File : ABN1203a.D
Acq On : 3 Dec 2020 8:49 am
Operator : Buffy:im
Sample : wg1440617-3,32,,ABN CCV Lot # 8947
Misc : wg1440617,,ical17377
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Dec 03 12:41:23 2020
Quant Method : I:\8270\Buffy\201203\FS201120buffy.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 03 02:13:16 2020
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.960	152	197138	40.000	ug/ml	0.00
35) IS1_Naphthalene-d8	5.036	136	800181	40.000	ug/ml	0.00
63) IS1_Acenaphthene-d10	6.540	164	485357	40.000	ug/ml	0.00
88) IS1_Phenanthrene-d10	7.815	188	1010214	40.000	ug/ml	0.00
104) IS1_Chrysene-d12	10.371	240	1092403	40.000	ug/ml	0.00
113) IS1_Perylene-d12	12.451	264	1203634	40.000	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	2.903	112	282213	50.436	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery = 100.87%			
7) Phenol-d6	3.690	99	348587	51.959	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery = 103.92%			
19) Nitrobenzene-d5	4.431	82	323443	52.347	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 209.39%#			
46) 2-Fluorobiphenyl	5.976	172	830194	48.221	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 192.88%#			
79) 2,4,6-Tribromophenol	7.221	330	152440	47.502	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery = 95.00%			
96) 4-Terphenyl-d14	9.231	244	1230626	47.769	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 191.08%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.816	74	173626	50.441	ug/ml#	87
3) Pyridine	1.839	79	315003	49.724	ug/ml#	63
5) Aniline	3.690	93	467937	52.238	ug/ml	92
6) 2-Chlorophenol	3.790	128	327364	50.808	ug/ml	99
8) Phenol	3.702	94	396117	51.919	ug/ml	90
9) Bis(2-chloroethyl)ether	3.755	93	259195	49.694	ug/ml#	79
10) 1,3-Dichlorobenzene	3.913	146	366159	47.577	ug/ml	95
11) 1,4-Dichlorobenzene	3.978	146	370979	48.138	ug/ml	95
12) 1,2-Dichlorobenzene	4.101	146	353741	47.181	ug/ml	95
13) Benzyl alcohol	4.090	79	253603	53.916	ug/ml	98
14) Bis(2-chloroisopropyl)...	4.213	45	443703	51.954	ug/ml#	81
15) 2-Methylphenol	4.201	108	293826	53.308	ug/ml	99
16) Hexachloroethane	4.383	117	135330	46.127	ug/ml#	50
17) n-Nitrosodi-n-propylamine	4.319	70	217022	52.661	ug/ml	92
18) 3-Methylphenol/4-Methy...	4.337	108	310955	53.783	ug/ml	93
20) Nitrobenzene	4.442	77	310614	52.368	ug/ml	95
21) Isophorone	4.654	82	598502	53.463	ug/ml	99
22) 2-Nitrophenol	4.718	139	186905	57.994	ug/ml	94

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201203\
Data File : ABN1203a.D
Acq On : 3 Dec 2020 8:49 am
Operator : Buffy:im
Sample : wg1440617-3,32,,ABN CCV Lot # 8947
Misc : wg1440617,,ical17377
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Dec 03 12:41:23 2020
Quant Method : I:\8270\Buffy\201203\FS201120buffy.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 03 02:13:16 2020
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) 2,4-Dimethylphenol	4.783	107	332035	53.859	ug/ml	96
24) Bis(2-chloroethoxy)met...	4.854	93	375709	51.676	ug/ml#	95
25) 2,4-Dichlorophenol	4.930	162	303513	53.091	ug/ml#	93
26) 1,2,4-Trichlorobenzene	4.995	180	322413	48.914	ug/ml	98
36) Naphthalene	5.053	128	1018543	48.286	ug/ml	100
37) Benzoic Acid	4.889	105	275399	54.605	ug/ml	92
38) 4-Chloroaniline	5.112	65	117789	50.403	ug/ml	97
39) Hexachlorobutadiene	5.177	225	186413	44.149	ug/ml	100
40) p-Chloro-m-cresol	5.553	107	296145	51.306	ug/ml	92
41) 2-Methylnaphthalene	5.647	142	724564	49.329	ug/ml	93
42) 1-Methylnaphthalene	5.729	115	222542	48.276	ug/ml#	69
43) Hexachlorocyclopentadiene	5.794	237	260289	49.474	ug/ml	99
44) 2,4,6-Trichlorophenol	5.905	196	237591	51.485	ug/ml	100
45) 2,4,5-Trichlorophenol	5.929	196	259791	50.653	ug/ml	97
47) 2-Chloronaphthalene	6.064	162	685748	48.300	ug/ml	96
48) 2-Nitroaniline	6.164	138	250199	54.023	ug/ml	90
49) 1,4-Dinitrobenzene	6.287	168	109091	53.482	ug/ml	81
50) 1,3-Dinitrobenzene	6.352	168	124807	55.393	ug/ml#	74
51) Dimethyl phthalate	6.340	163	835385	47.819	ug/ml#	98
52) Acenaphthylene	6.416	152	1223013	49.712	ug/ml	99
53) 2,6-Dinitrotoluene	6.381	165	185299	52.738	ug/ml#	80
54) 1,2-Dinitrobenzene	6.422	168	73196	51.825	ug/ml	88
64) 3-Nitroaniline	6.516	138	221672	51.582	ug/ml	84
65) Acenaphthene	6.569	154	704337	46.955	ug/ml	94
66) 2,4-Dinitrophenol	6.610	184	124184	56.010	ug/ml#	83
67) Dibenzofuran	6.716	168	1060228	48.274	ug/ml	89
68) 2,4-Dinitrotoluene	6.728	165	255191	51.682	ug/ml#	76
69) 4-Nitrophenol	6.693	65	142555	50.059	ug/ml	91
70) 2,3,5,6-Tetrachlorophenol	6.798	232	226735	49.144	ug/ml	98
71) 2,3,4,6-Tetrachlorophenol	6.840	232	220234	47.173	ug/ml	97
72) Diethyl phthalate	6.951	149	903809	47.059	ug/ml	98
73) Fluorene	7.010	166	864876	47.932	ug/ml	94
74) 4-Chlorophenyl phenyl ...	7.028	204	407646	46.702	ug/ml#	88
75) 4-Nitroaniline	7.045	138	221272	50.793	ug/ml	94
76) 4,6-Dinitro-o-cresol	7.080	198	150369	55.023	ug/ml#	83
77) NDPA/DPA	7.133	169	748848	48.243	ug/ml	99
78) Azobenzene	7.163	77	715443	47.549	ug/ml#	87
80) 4-Bromophenyl phenyl e...	7.445	248	257320	46.112	ug/ml#	88
81) Hexachlorobenzene	7.492	284	302035	44.729	ug/ml#	84
82) Pentachlorophenol	7.668	266	183844	49.482	ug/ml	99
89) Phenanthrene	7.832	178	1299455	47.329	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201203\
Data File : ABN1203a.D
Acq On : 3 Dec 2020 8:49 am
Operator : Buffy:im
Sample : wg1440617-3,32,,ABN CCV Lot # 8947
Misc : wg1440617,,ical17377
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Dec 03 12:41:23 2020
Quant Method : I:\8270\Buffy\201203\FS201120buffy.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 03 02:13:16 2020
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
90)	Anthracene	7.879	178	1352937	47.180	ug/ml	99
91)	Carbazole	8.026	167	1280989	48.479	ug/ml	99
92)	Di-n-butylphthalate	8.367	149	1566221	49.569	ug/ml#	98
93)	Fluoranthene	8.861	202	1584995	47.793	ug/ml#	88
94)	Benzidine	8.996	184	1184625	56.529	ug/ml#	91
95)	Pyrene	9.055	202	1635764	46.815	ug/ml	99
97)	Butyl benzyl phthalate	9.766	149	751495	52.615	ug/ml#	77
105)	Benzo(a)anthracene	10.359	228	1667550	47.588	ug/ml	99
106)	3,3'-Dichlorobenzidine	10.365	252	700633	53.555	ug/ml#	95
107)	Chrysene	10.406	228	1564850	47.850	ug/ml	100
108)	Bis(2-ethylhexyl)phtha...	10.518	149	1138876	53.550	ug/ml#	91
109)	Di-n-octylphthalate	11.469	149	2031147	55.764	ug/ml	96
110)	Benzo(b)fluoranthene	11.875	252	1794034	50.558	ug/ml#	93
111)	Benzo(k)fluoranthene	11.916	252	1644529	49.428	ug/ml#	94
112)	Benzo(a)pyrene	12.357	252	1580198	52.492	ug/ml#	92
114)	Indeno(1,2,3-cd)pyrene	14.108	276	1744929	52.778	ug/mL#	90
115)	Dibenzo(a,h)anthracene	14.166	278	1713695	50.676	ug/ml#	91
116)	Benzo(ghi)perylene	14.501	276	1782570	50.408	ug/ml#	75

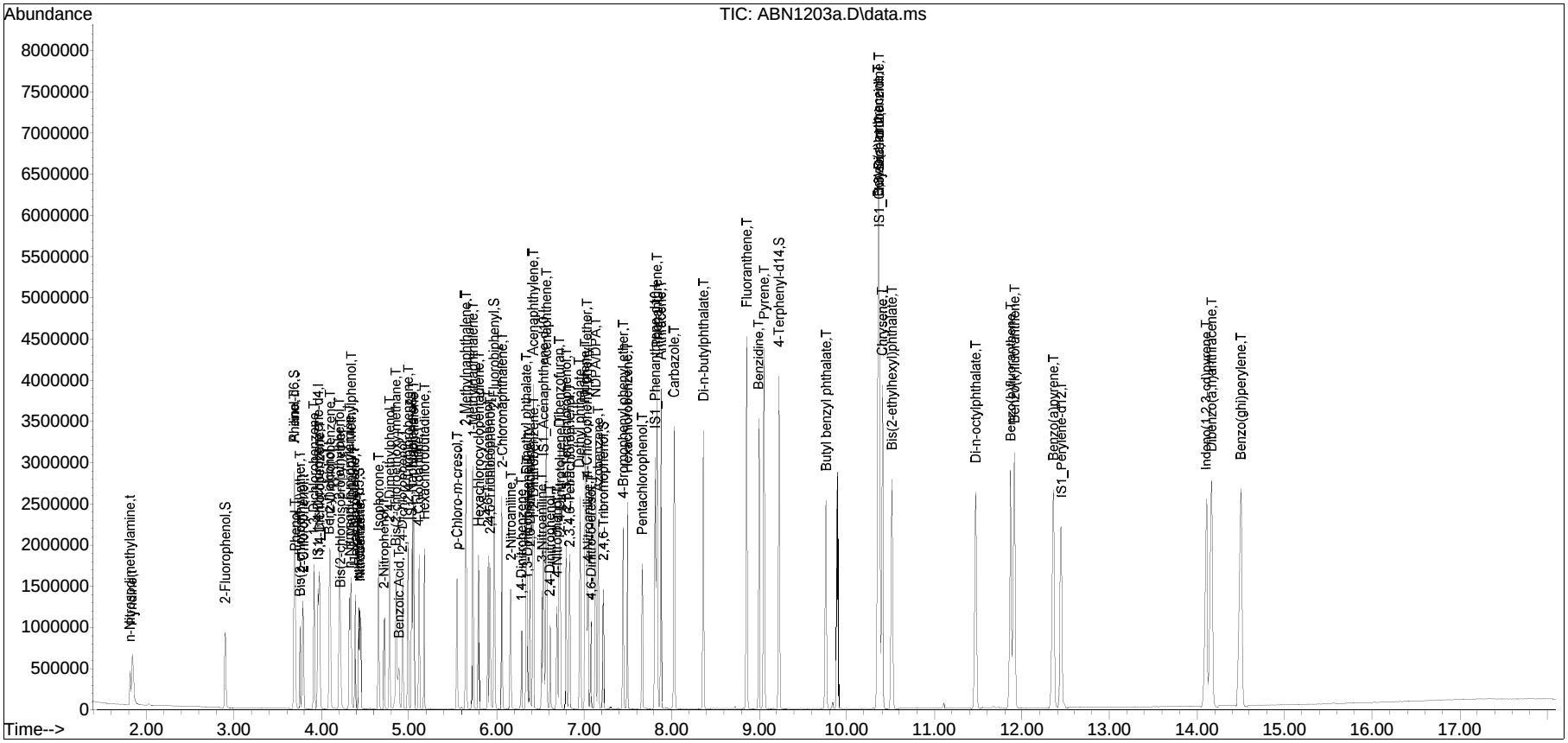
(#) = qualifier out of range (m) = manual integration (+) = signals summed

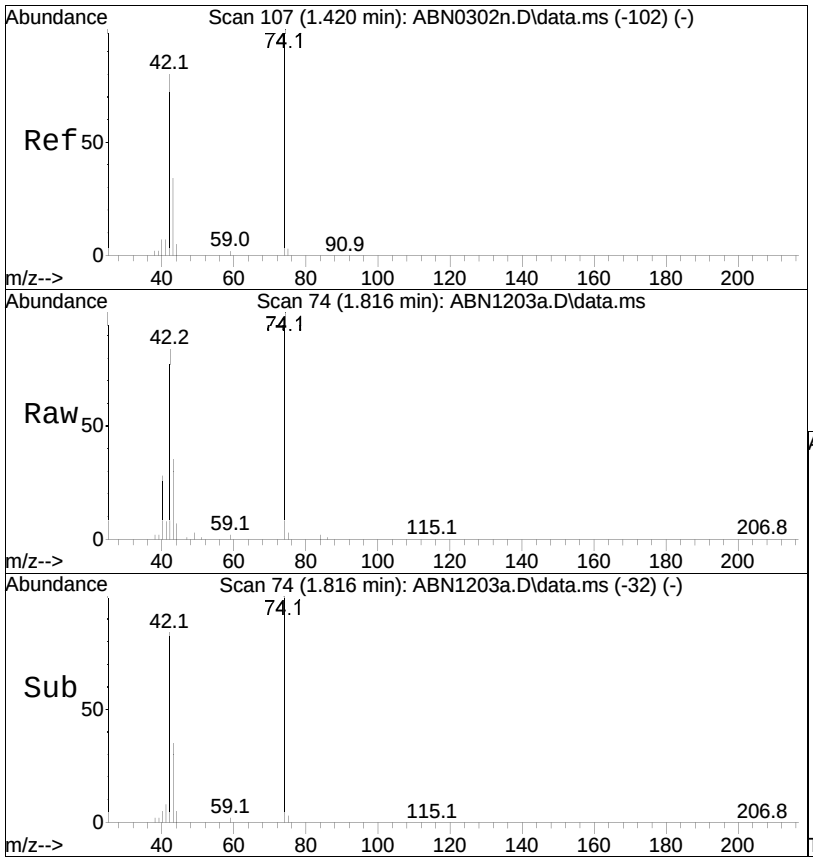
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201203\
Data File : ABN1203a.D
Acq On : 3 Dec 2020 8:49 am
Operator : Buffy:im
Sample : wg1440617-3,32,,ABN CCV Lot # 8947
Misc : wg1440617,,ical17377
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Dec 03 12:41:23 2020
Quant Method : I:\8270\Buffy\201203\FS201120buffy.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 03 02:13:16 2020
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

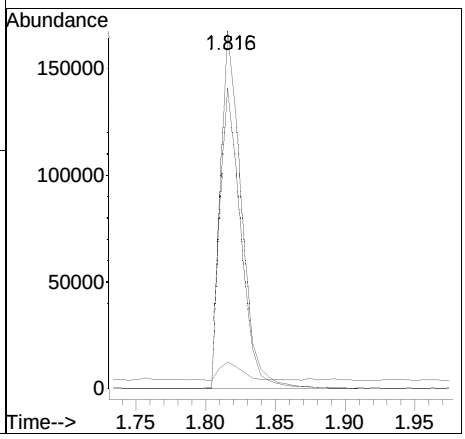


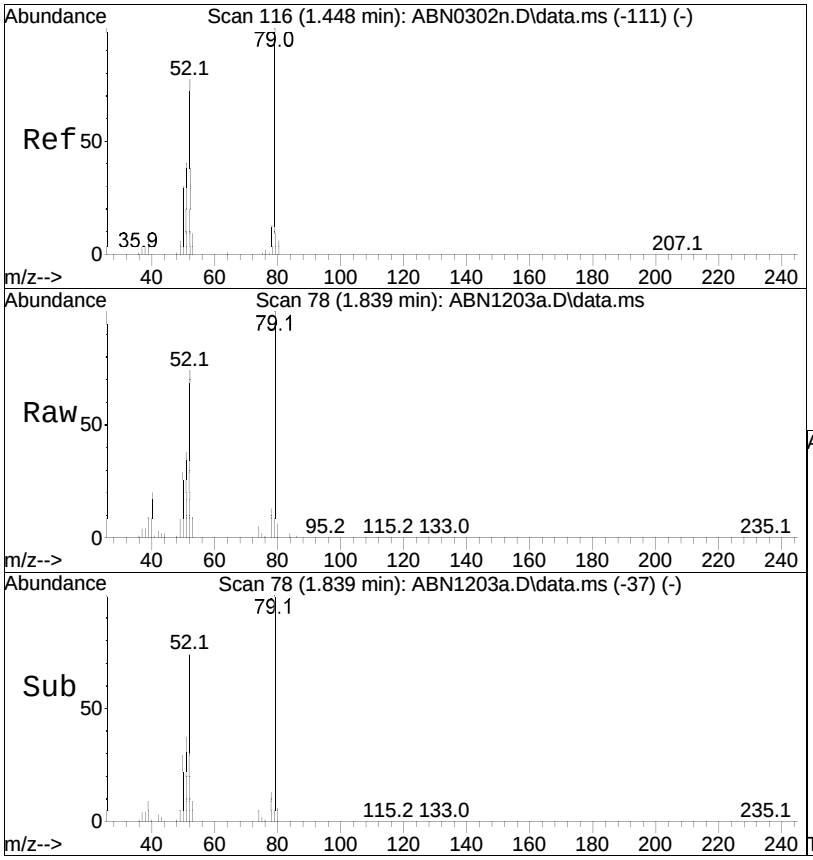


#2
n-Nitrosodimethylamine
Concen: 50.44 ug/ml
RT: 1.816 min Scan# 74
Delta R.T. -0.006 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion: 74 Resp: 173626

Ion	Ratio	Lower	Upper
74	100		
42	83.6	57.8	86.6
44	5.0	3.2	4.8#

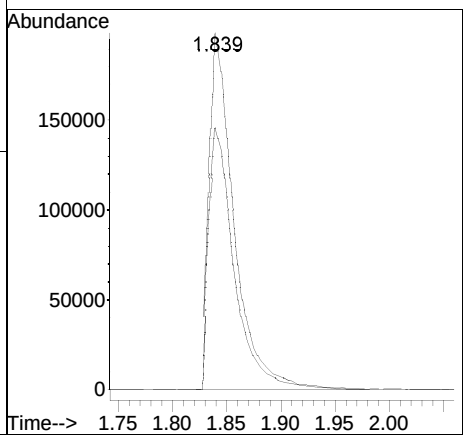


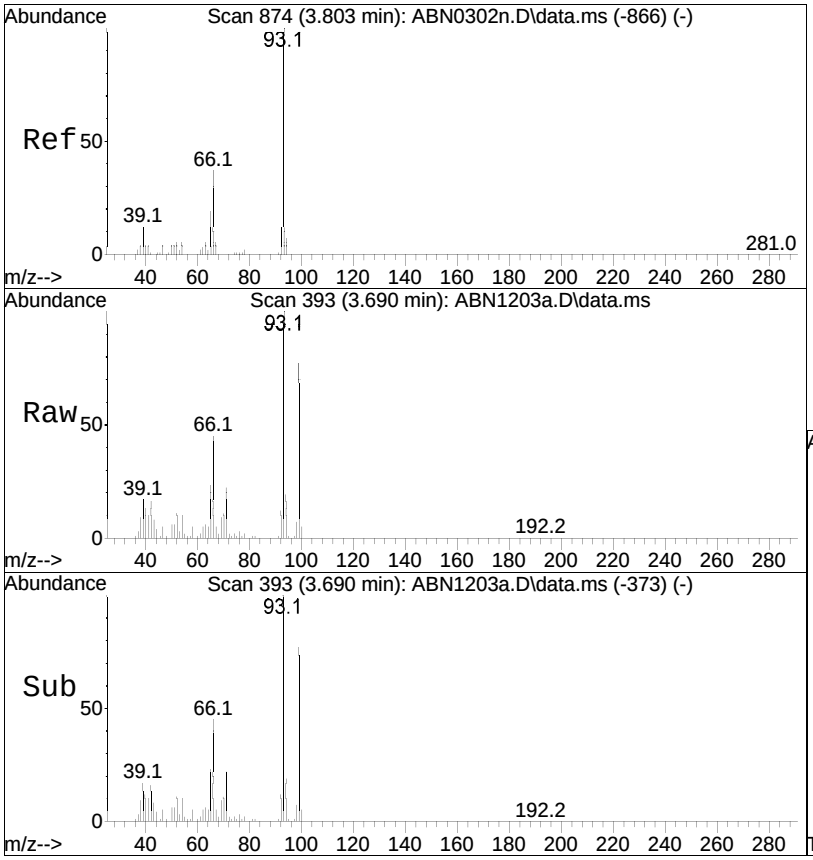


#3
Pyridine
Concen: 49.72 ug/ml
RT: 1.839 min Scan# 78
Delta R.T. -0.012 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion: 79 Resp: 315003

Ion	Ratio	Lower	Upper
79	100		
52	76.0	40.4	60.6#

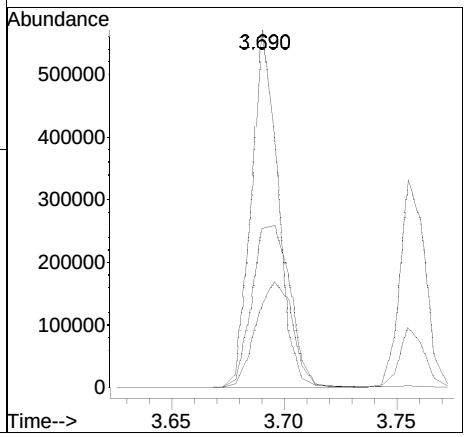


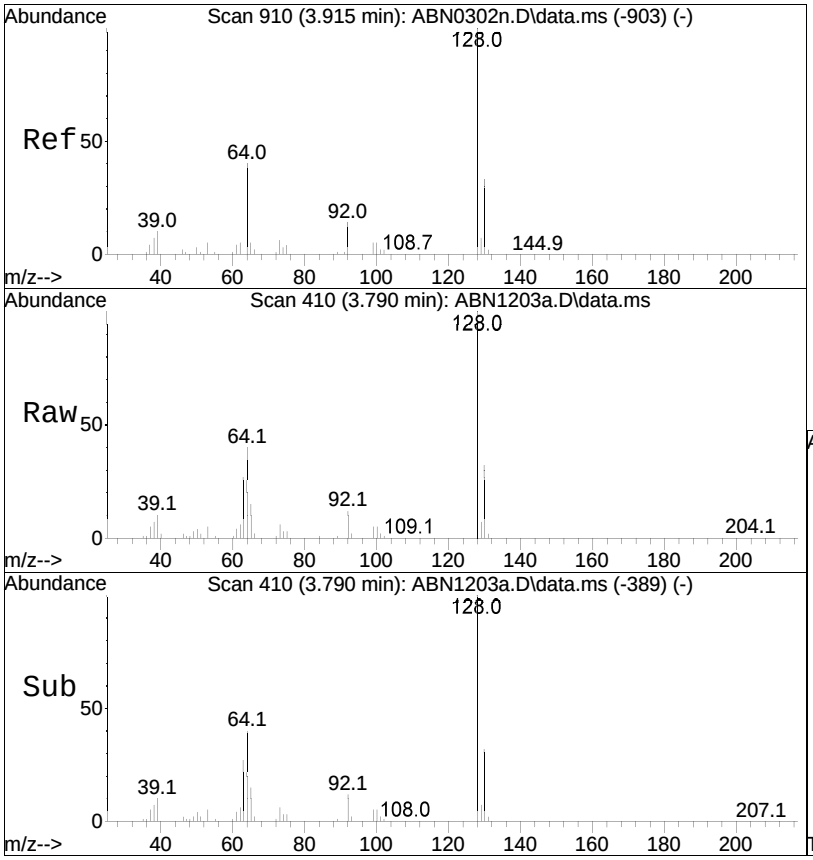


#5
Aniline
Concen: 52.24 ug/ml
RT: 3.690 min Scan# 393
Delta R.T. -0.006 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion: 93 Resp: 467937

Ion	Ratio	Lower	Upper
93	100		
66	65.4	47.2	70.8
65	41.0	29.7	44.5

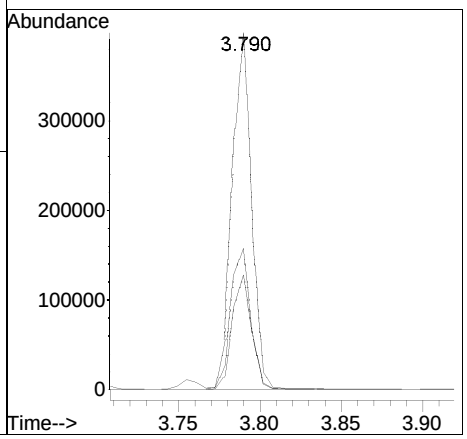


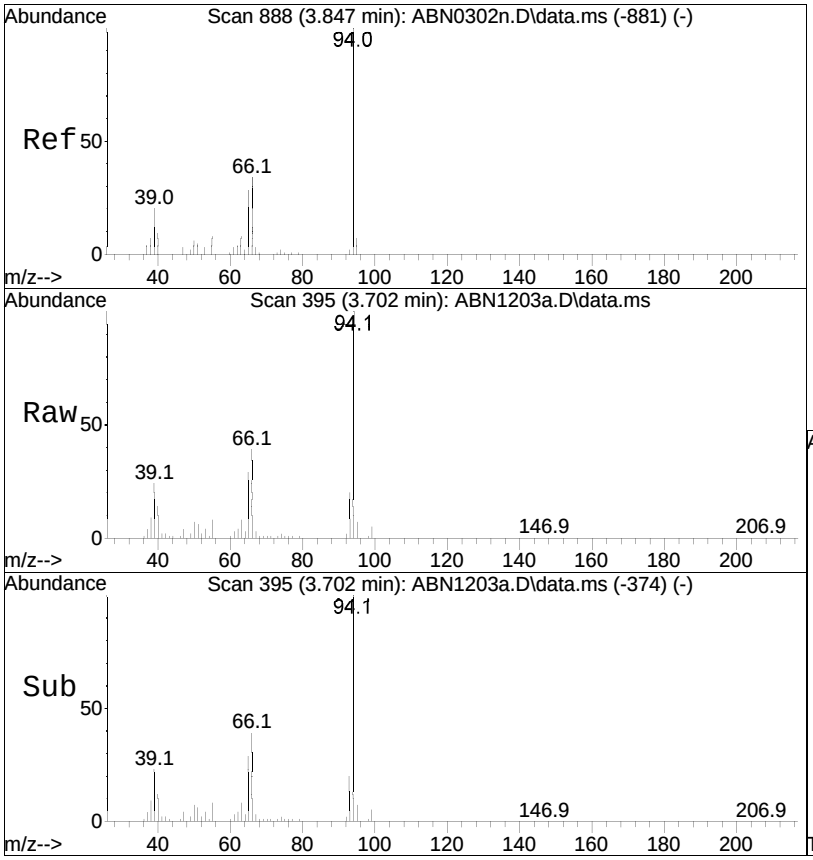


#6
2-Chlorophenol
Concen: 50.81 ug/ml
RT: 3.790 min Scan# 410
Delta R.T. -0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:128 Resp: 327364

Ion	Ratio	Lower	Upper
128	100		
64	40.5	32.7	49.1
130	32.3	26.4	39.6

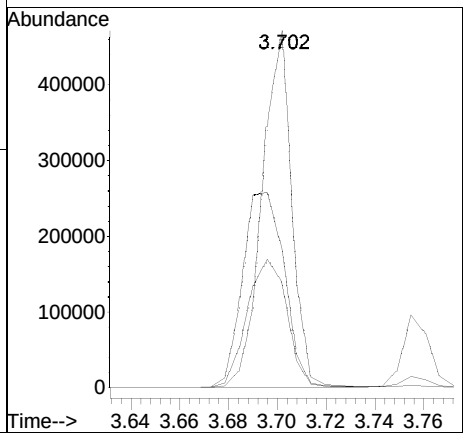


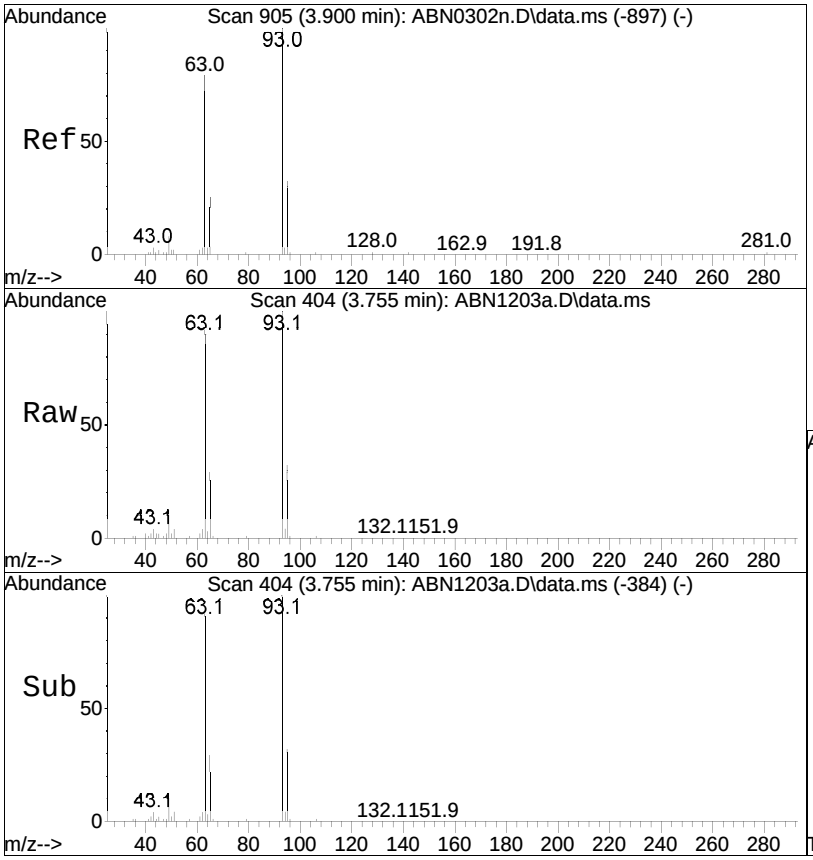


#8
Phenol
Concen: 51.92 ug/ml
RT: 3.702 min Scan# 395
Delta R.T. -0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion: 94 Resp: 396117

Ion	Ratio	Lower	Upper
94	100		
65	48.5	34.2	51.4
66	77.2	54.4	81.6

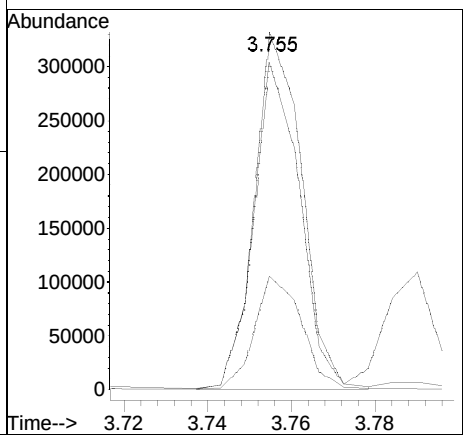


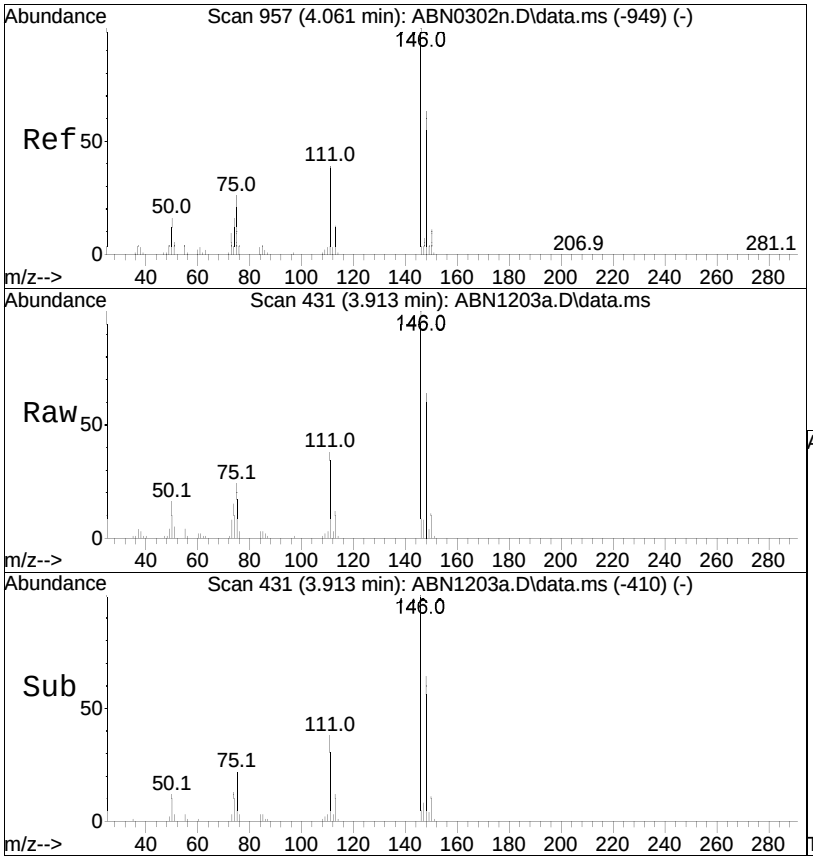


#9
Bis(2-chloroethyl)ether
Concen: 49.69 ug/ml
RT: 3.755 min Scan# 404
Delta R.T. -0.006 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion: 93 Resp: 259195

Ion	Ratio	Lower	Upper
93	100		
63	88.9	51.7	77.5#
95	31.9	26.1	39.1

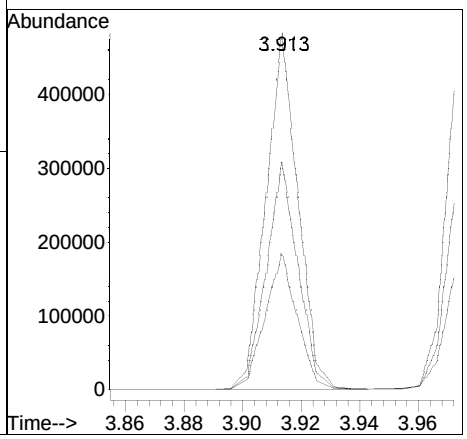


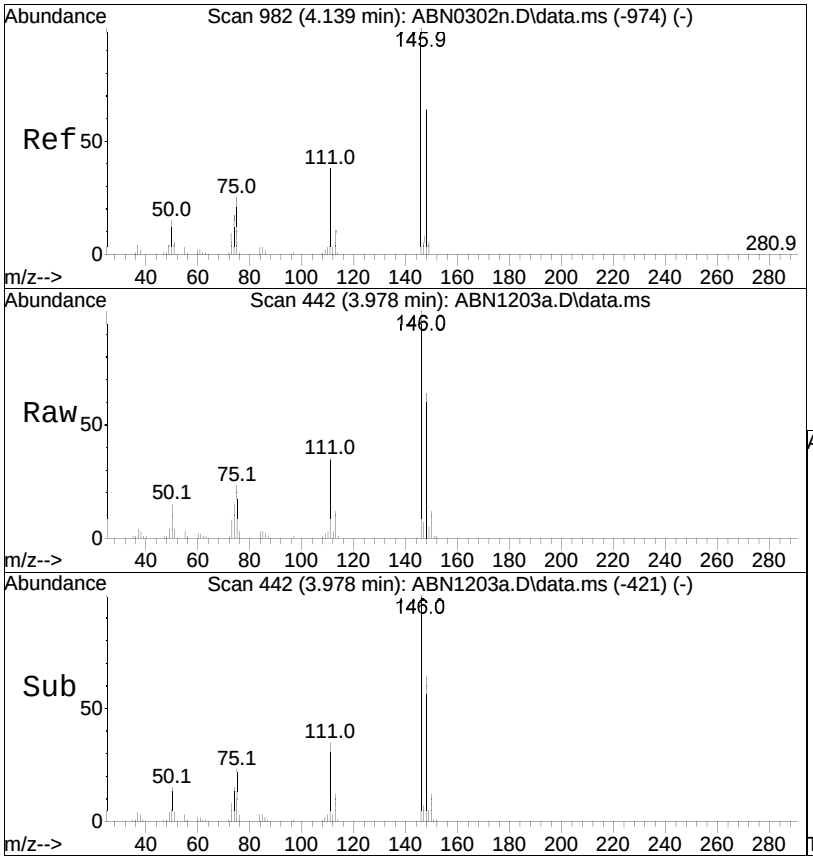


#10
1,3-Dichlorobenzene
Concen: 47.58 ug/ml
RT: 3.913 min Scan# 431
Delta R.T. 0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:146 Resp: 366159

Ion	Ratio	Lower	Upper
146	100		
111	38.2	36.0	54.0
148	63.2	49.8	74.6

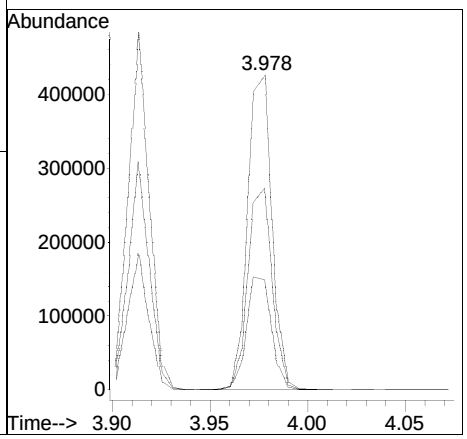


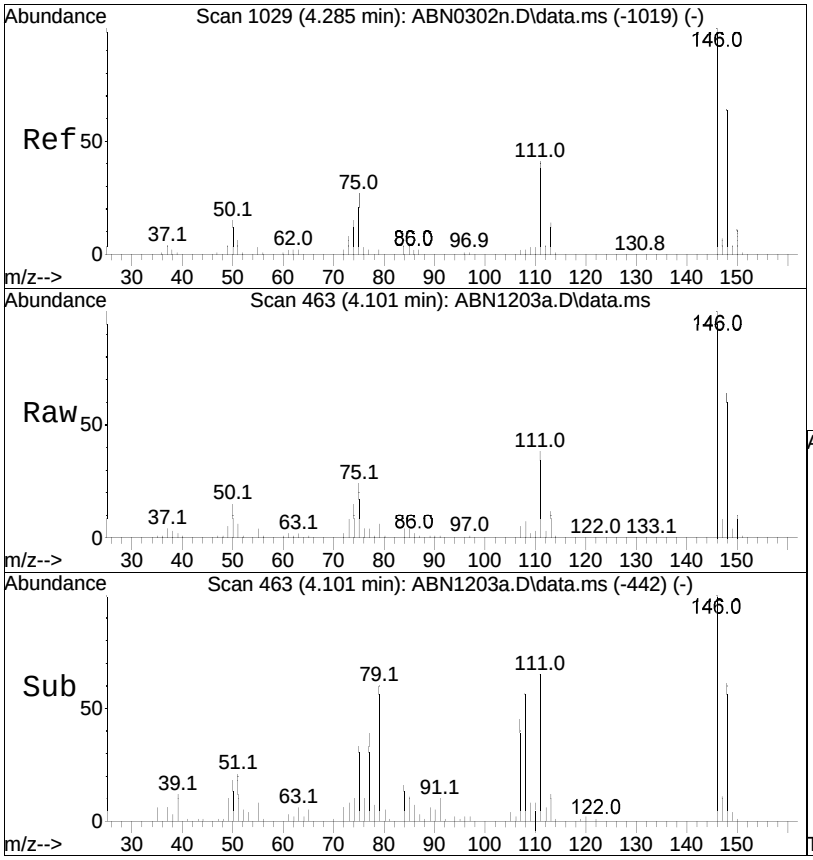


#11
1,4-Dichlorobenzene
Concen: 48.14 ug/ml
RT: 3.978 min Scan# 442
Delta R.T. -0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:146 Resp: 370979

Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.7	76.1
111	37.1	35.8	53.6

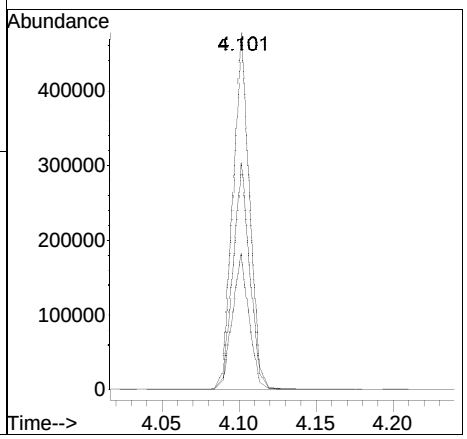


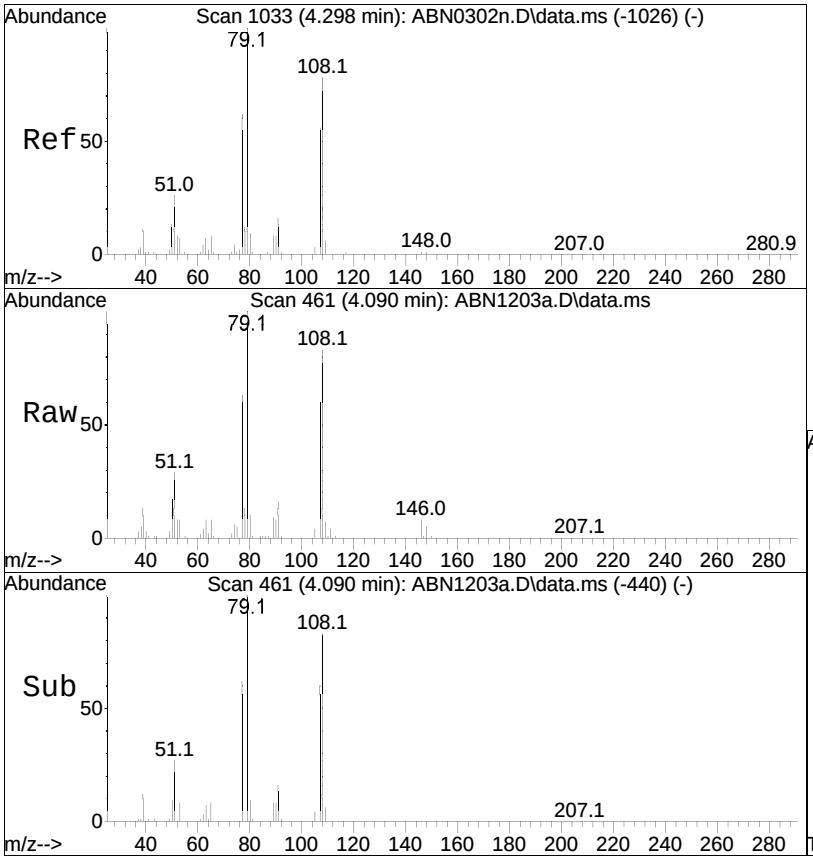


#12
1,2-Dichlorobenzene
Concen: 47.18 ug/ml
RT: 4.101 min Scan# 463
Delta R.T. 0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:146 Resp: 353741

Ion	Ratio	Lower	Upper
146	100		
111	38.4	37.6	56.4
148	64.0	51.2	76.8

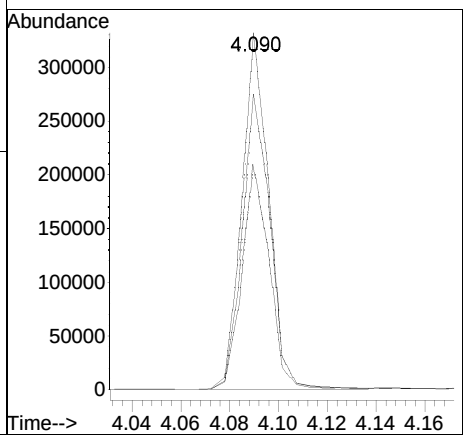


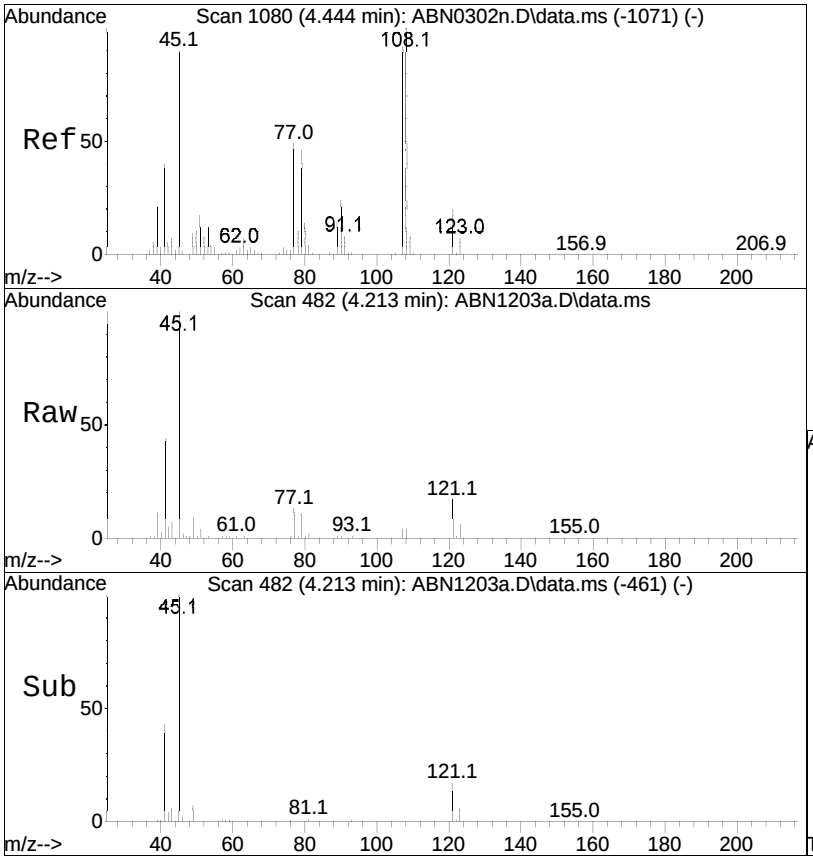


#13
Benzyl alcohol
Concen: 53.92 ug/ml
RT: 4.090 min Scan# 461
Delta R.T. 0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion: 79 Resp: 253603

Ion	Ratio	Lower	Upper
79	100		
77	64.4	53.8	80.8
108	85.4	67.3	100.9

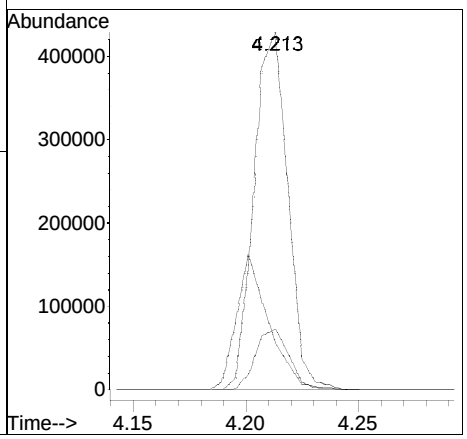


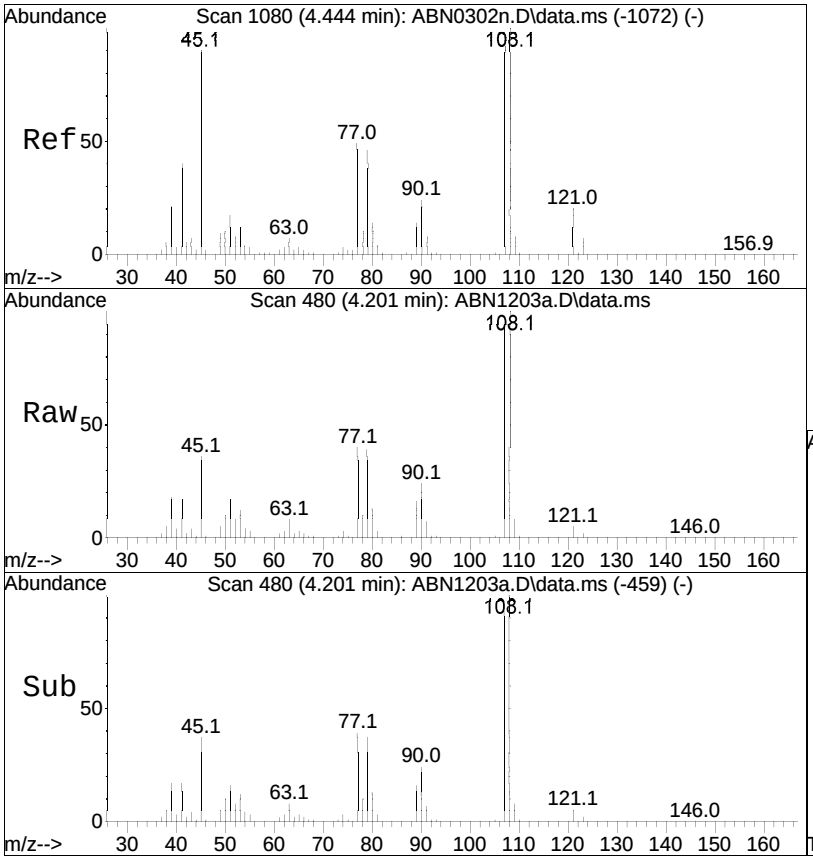


#14
Bis(2-chloroisopropyl)ether
Concen: 51.95 ug/ml
RT: 4.213 min Scan# 482
Delta R.T. 0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion: 45 Resp: 443703

Ion	Ratio	Lower	Upper
45	100		
121	17.1	21.0	31.6#
77	36.6	40.4	60.6#

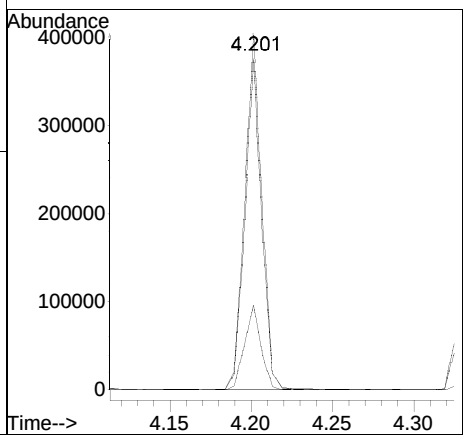


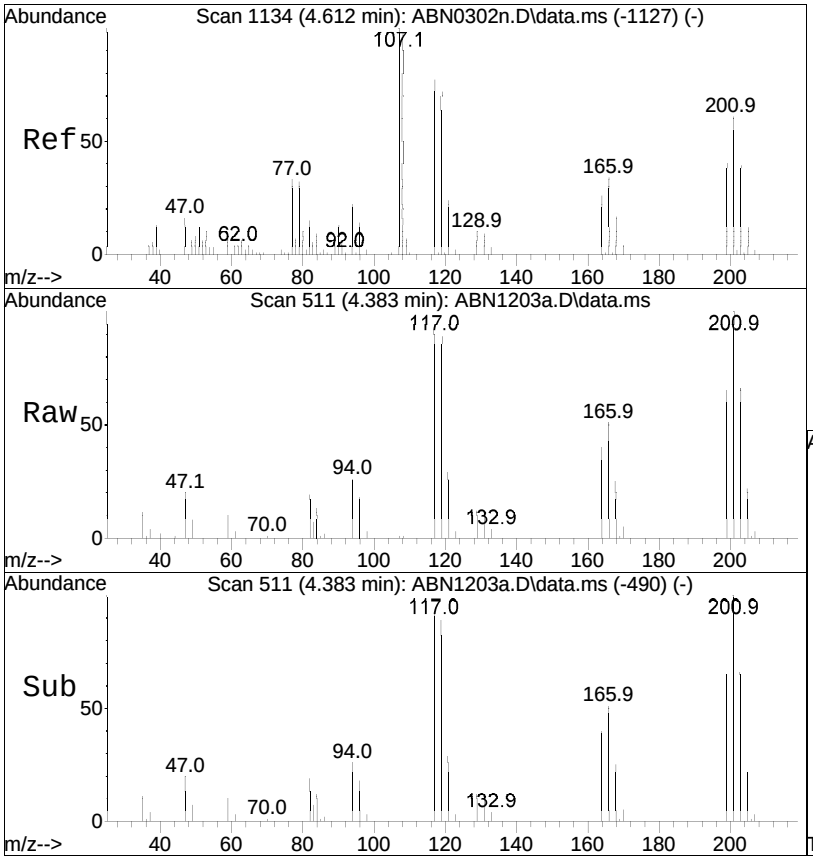


#15
2-Methylphenol
Concen: 53.31 ug/ml
RT: 4.201 min Scan# 480
Delta R.T. 0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:108 Resp: 293826

Ion	Ratio	Lower	Upper
108	100		
107	91.0	71.6	107.4
90	23.3	18.8	28.2

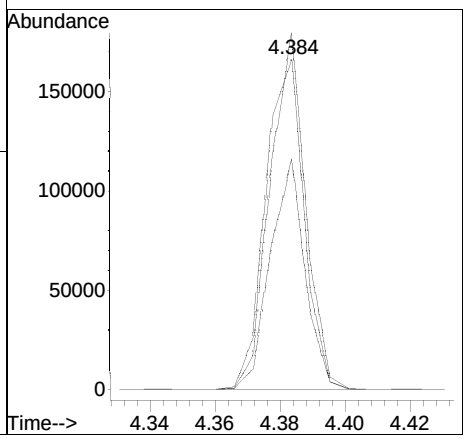


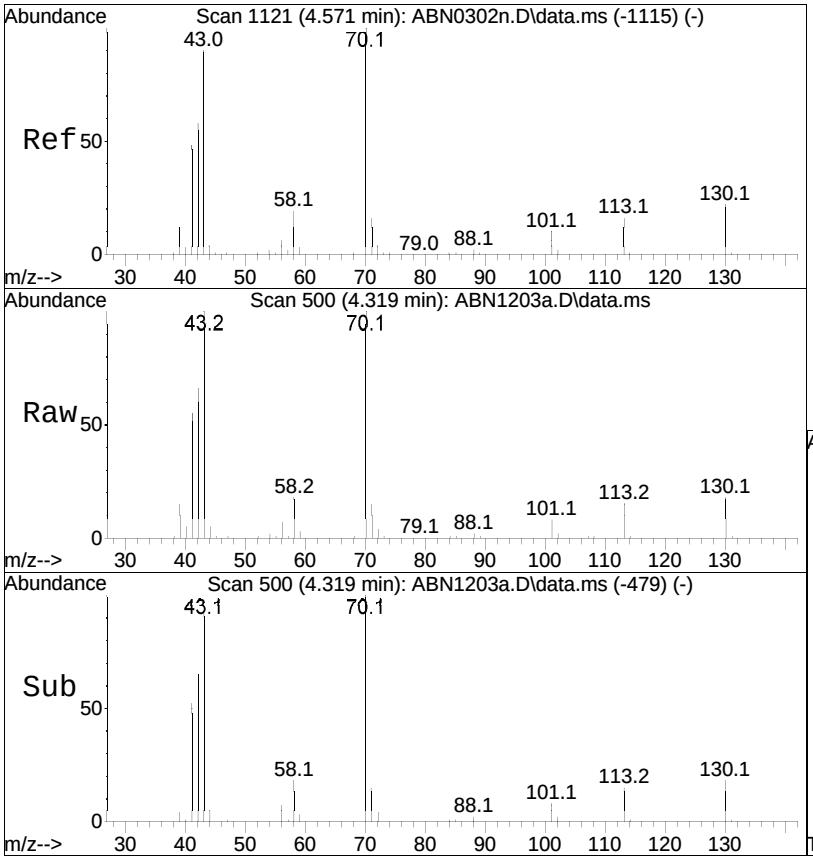


#16
Hexachloroethane
Concen: 46.13 ug/ml
RT: 4.383 min Scan# 511
Delta R.T. -0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:117 Resp: 135330

Ion	Ratio	Lower	Upper
117	100		
201	99.8	47.2	70.8#
199	63.0	29.8	44.6#

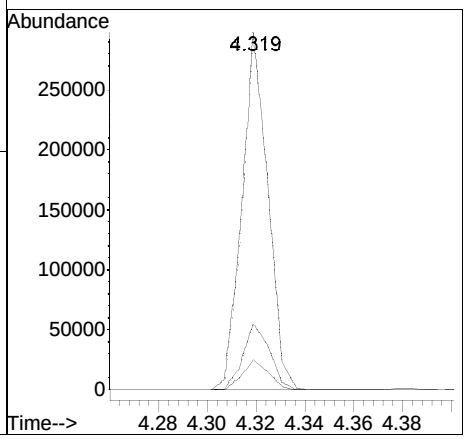


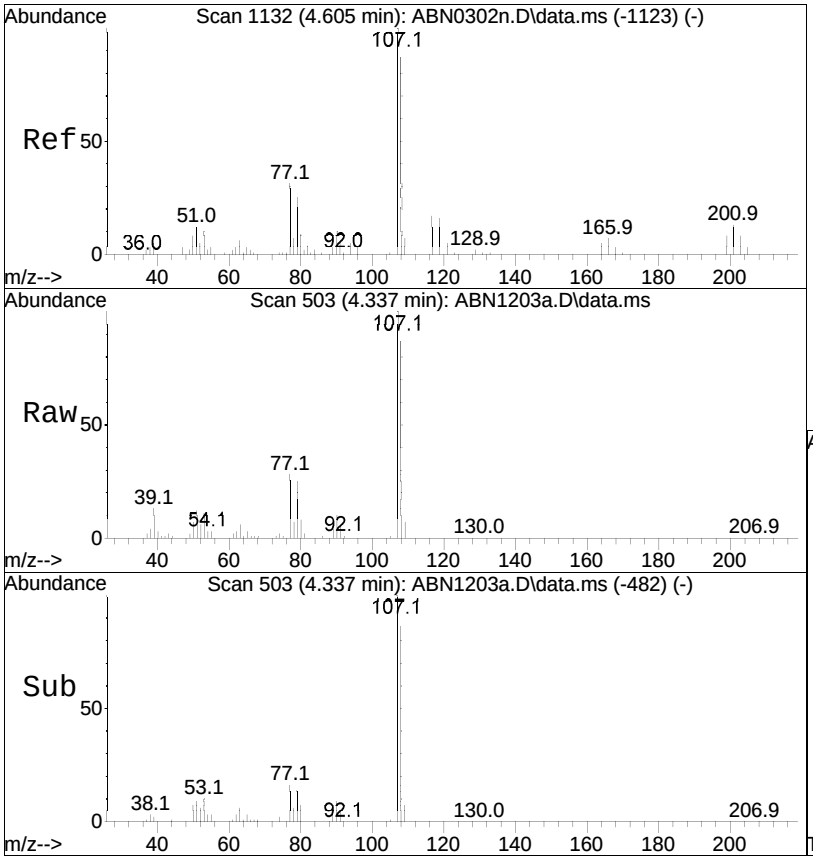


#17
n-Nitrosodi-n-propylamine
Concen: 52.66 ug/ml
RT: 4.319 min Scan# 500
Delta R.T. -0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion: 70 Resp: 217022

Ion	Ratio	Lower	Upper
70	100		
130	19.1	18.7	28.1
101	8.6	8.4	12.6

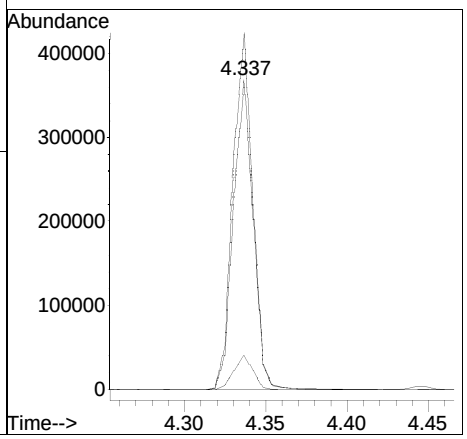


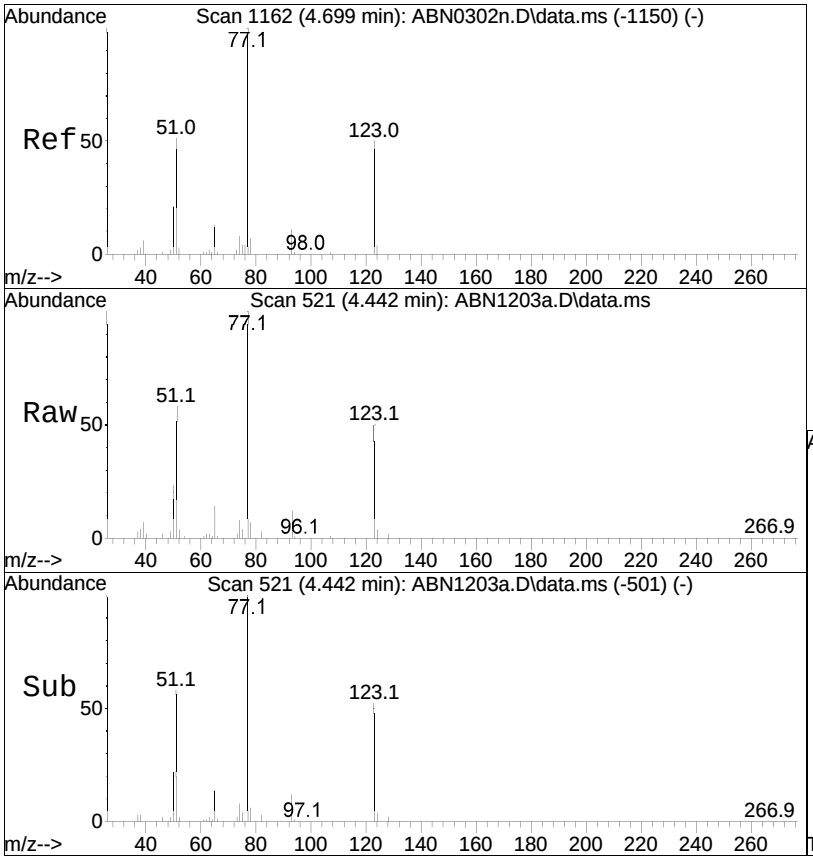


#18
3-Methylphenol/4-Methylphenol
Concen: 53.78 ug/ml
RT: 4.337 min Scan# 503
Delta R.T. 0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:108 Resp: 310955

Ion	Ratio	Lower	Upper
108	100		
107	116.2	87.0	130.6
90	10.9	8.4	12.6

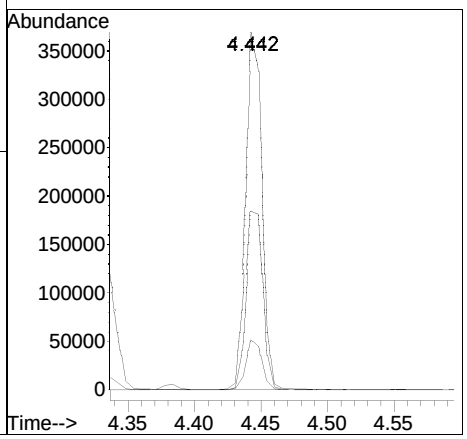


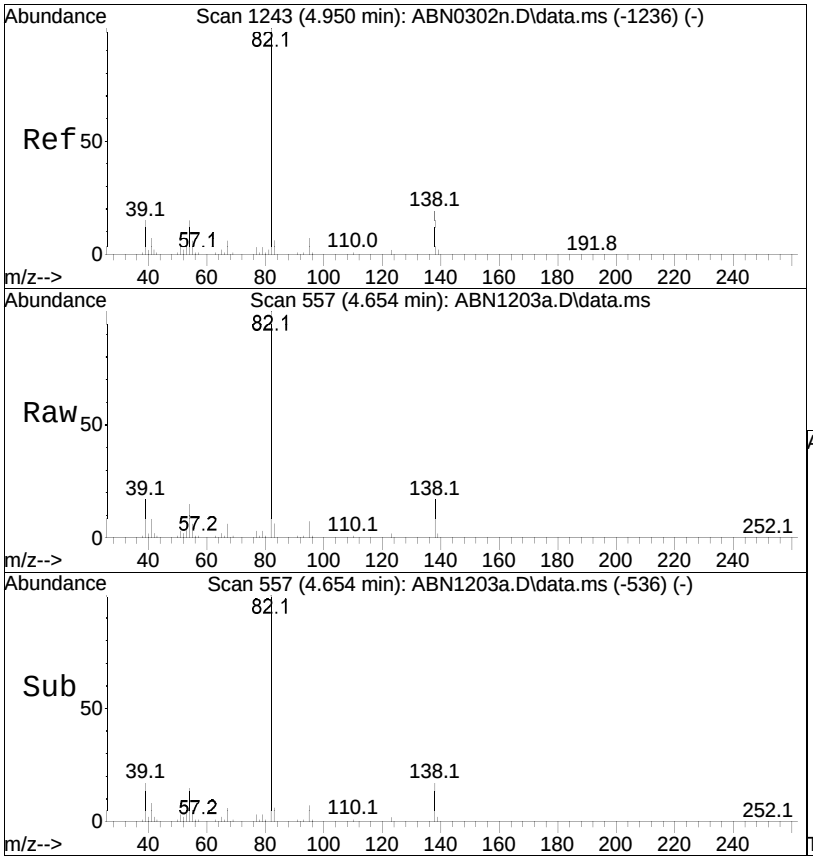


#20
Nitrobenzene
Concen: 52.37 ug/ml
RT: 4.442 min Scan# 521
Delta R.T. -0.006 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion: 77 Resp: 310614

Ion	Ratio	Lower	Upper
77	100		
123	52.0	38.3	57.5
65	14.1	10.3	15.5

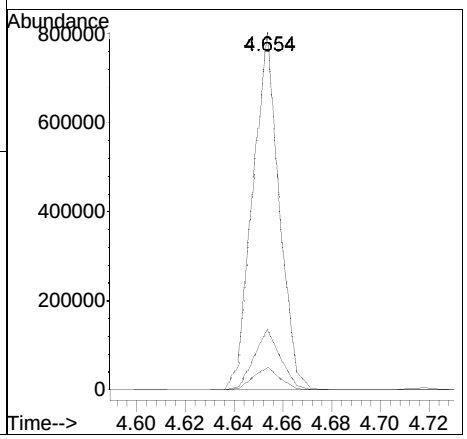


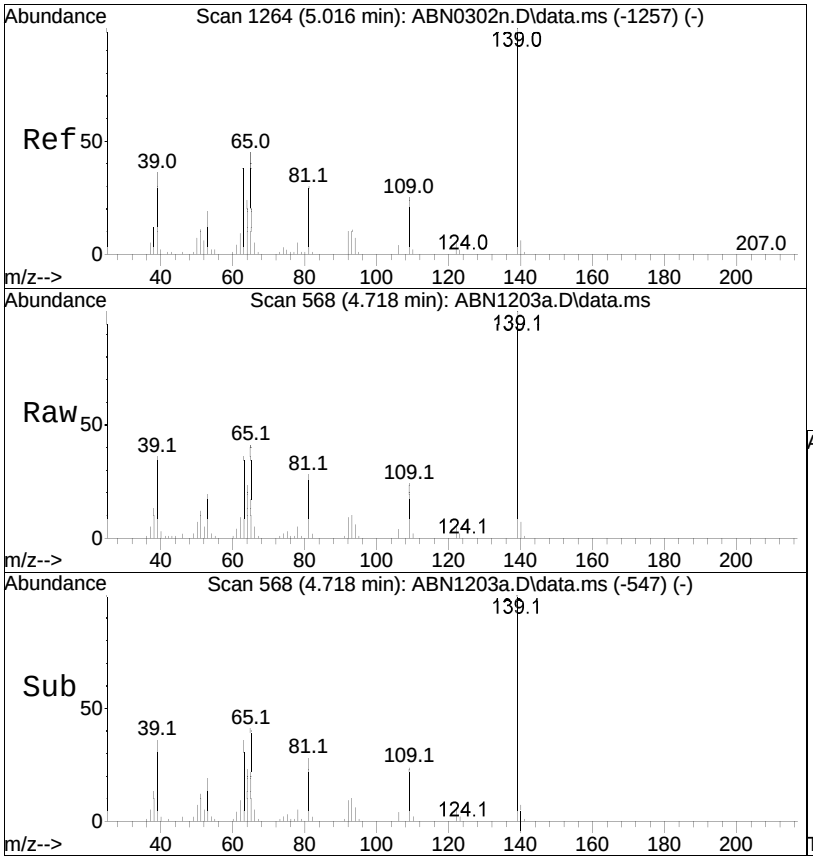


#21
Isophorone
Concen: 53.46 ug/ml
RT: 4.654 min Scan# 557
Delta R.T. 0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion: 82 Resp: 598502

Ion	Ratio	Lower	Upper
82	100		
138	16.9	13.3	19.9
95	6.5	5.1	7.7

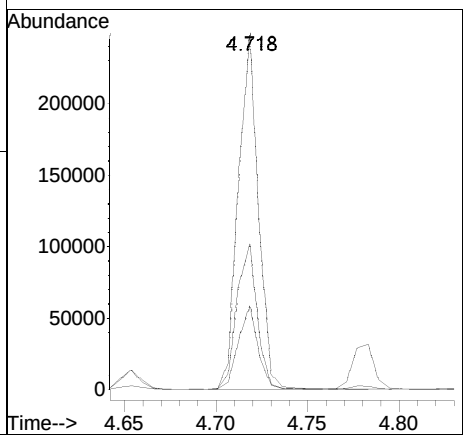


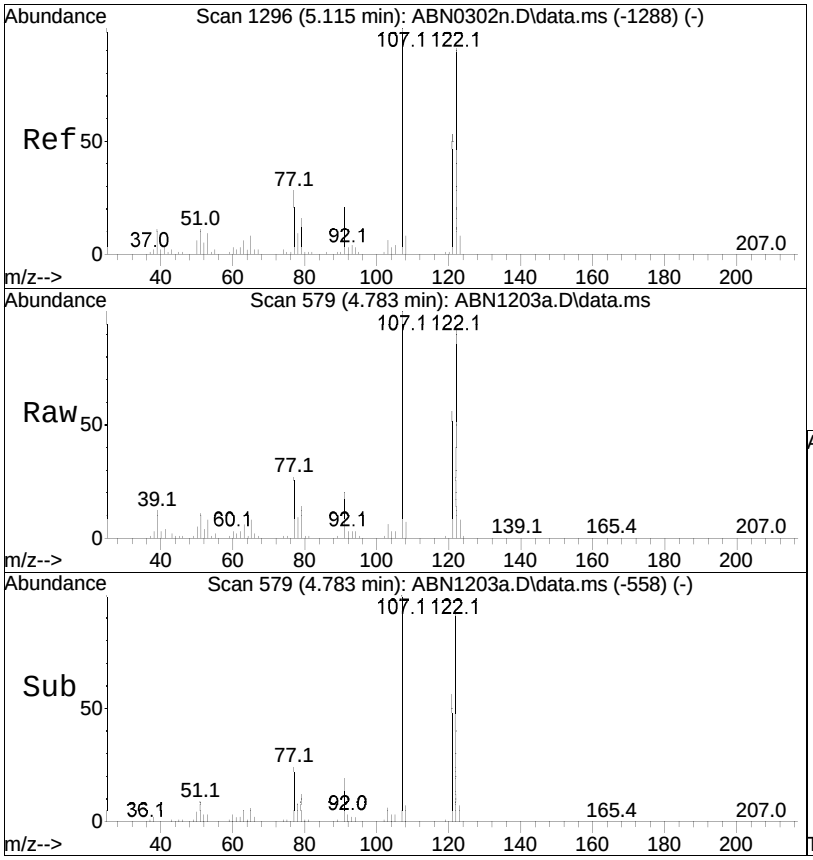


#22
2-Nitrophenol
Concen: 57.99 ug/ml
RT: 4.718 min Scan# 568
Delta R.T. 0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:139 Resp: 186905

Ion	Ratio	Lower	Upper
139	100		
109	23.6	20.1	30.1
65	41.9	37.8	56.8

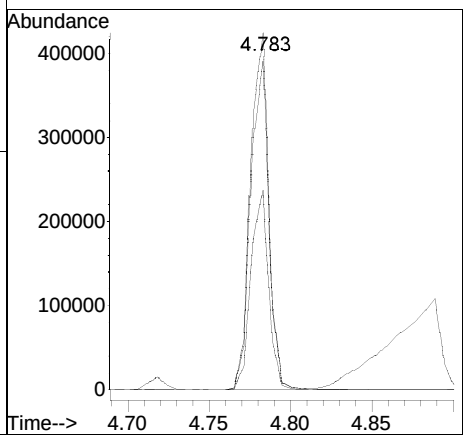


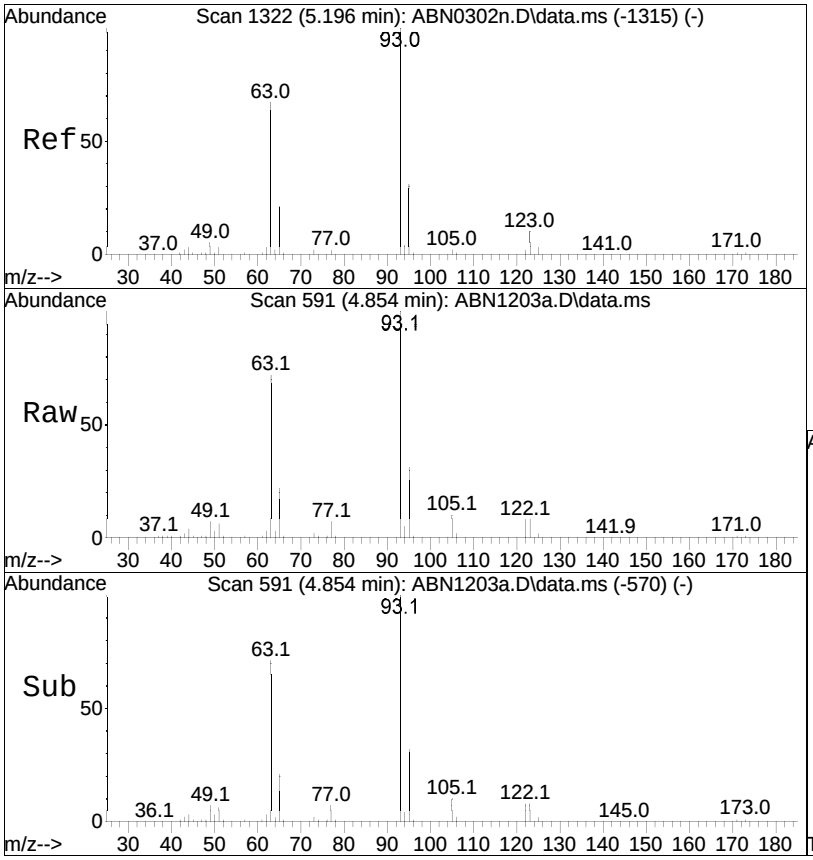


#23
2,4-Dimethylphenol
Concen: 53.86 ug/ml
RT: 4.783 min Scan# 579
Delta R.T. 0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:107 Resp: 332035

Ion	Ratio	Lower	Upper
107	100		
121	54.2	40.2	60.4
122	90.8	70.2	105.4

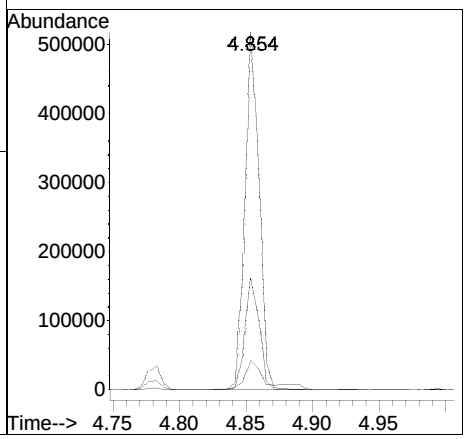


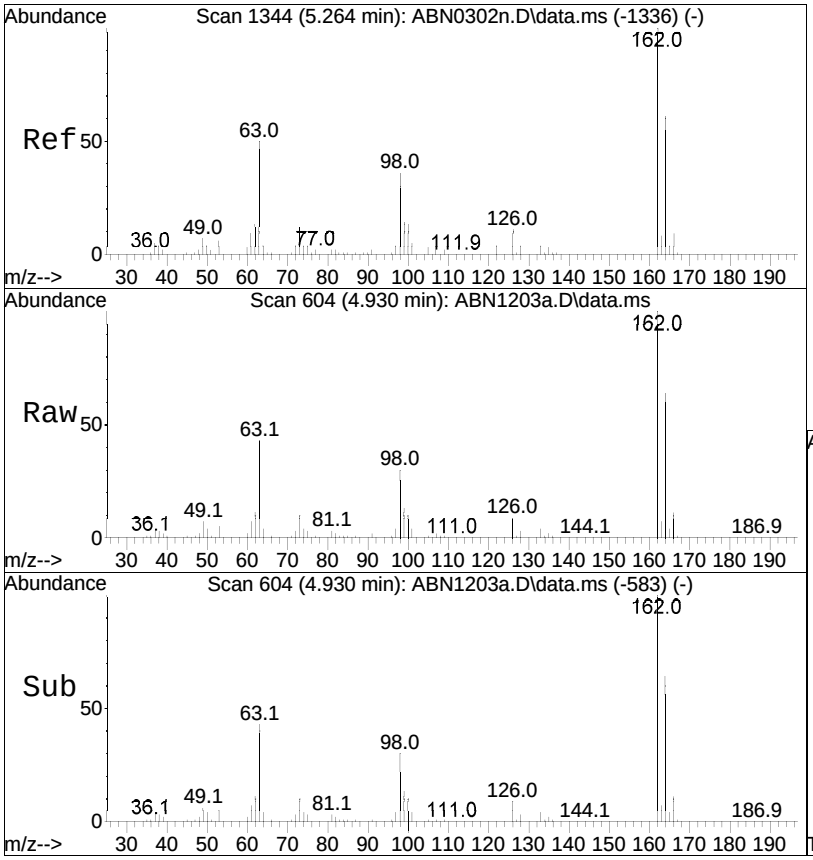


#24
Bis(2-chloroethoxy)methane
Concen: 51.68 ug/ml
RT: 4.854 min Scan# 591
Delta R.T. 0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion: 93 Resp: 375709

Ion	Ratio	Lower	Upper
93	100		
95	31.7	26.3	39.5
123	9.7	11.4	17.0#

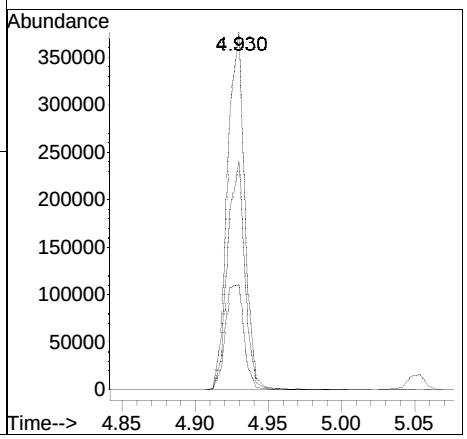


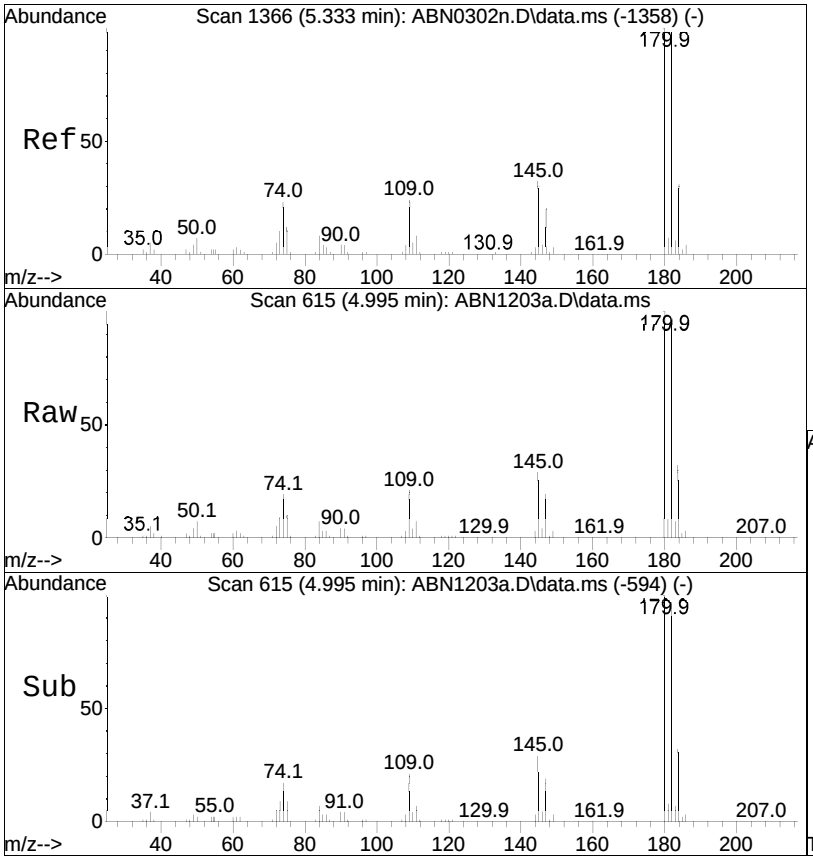


#25
2,4-Dichlorophenol
Concen: 53.09 ug/ml
RT: 4.930 min Scan# 604
Delta R.T. 0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:162 Resp: 303513

Ion	Ratio	Lower	Upper
162	100		
164	63.6	51.2	76.8
98	31.9	34.6	52.0#

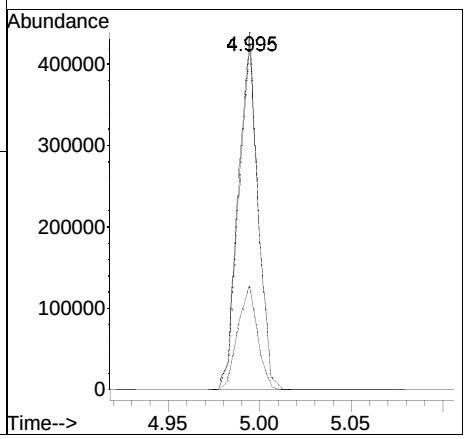


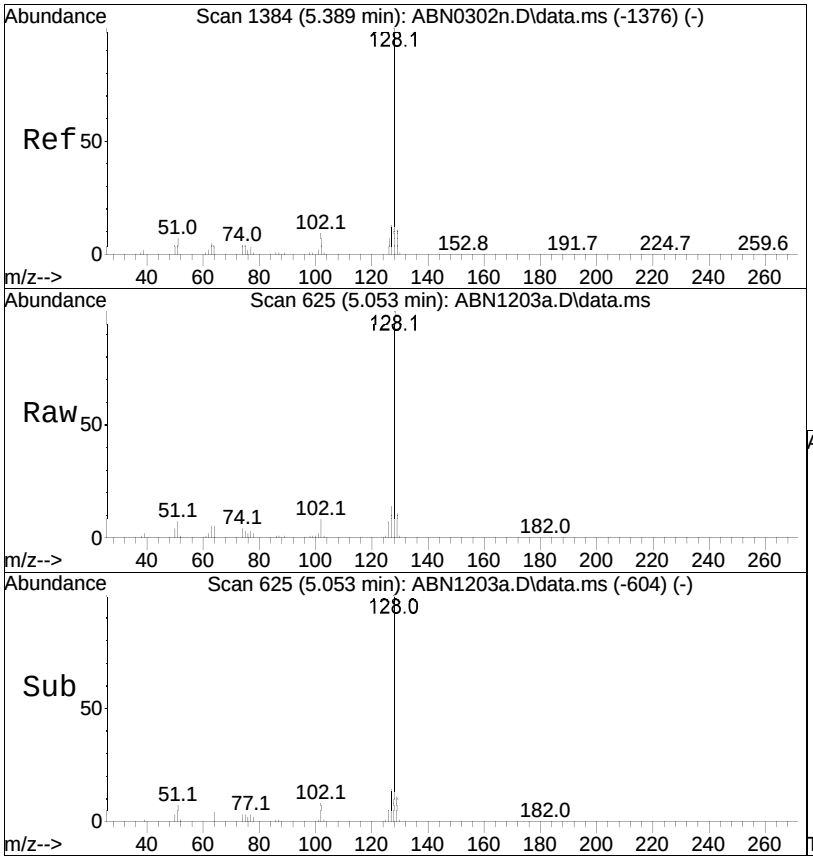


#26
1,2,4-Trichlorobenzene
Concen: 48.91 ug/ml
RT: 4.995 min Scan# 615
Delta R.T. 0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:180 Resp: 322413

Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.6	115.0
145	29.8	26.3	39.5

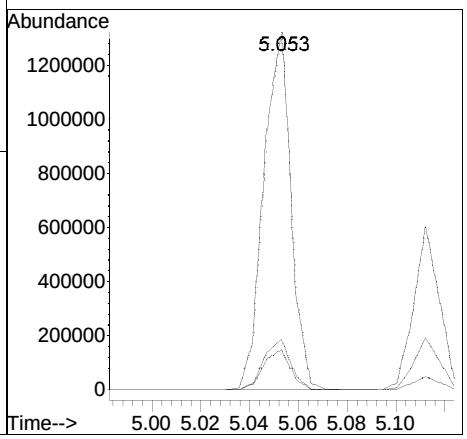


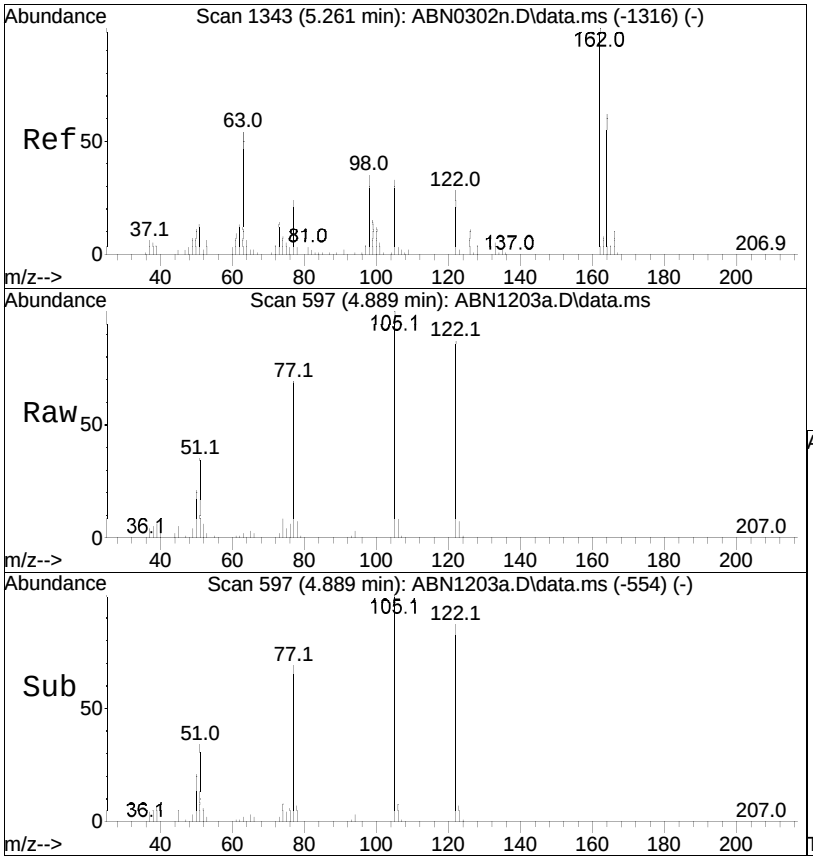


#36
Naphthalene
Concen: 48.29 ug/ml
RT: 5.053 min Scan# 625
Delta R.T. -0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:128 Resp: 1018543

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.6
127	14.1	11.3	16.9

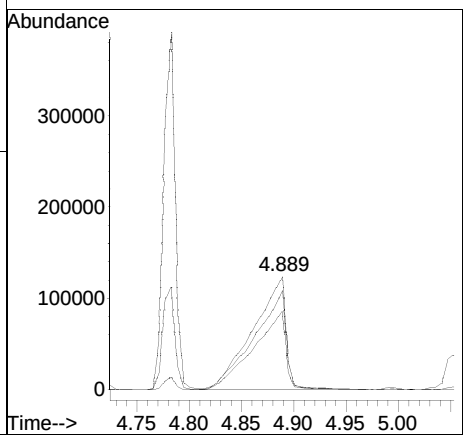


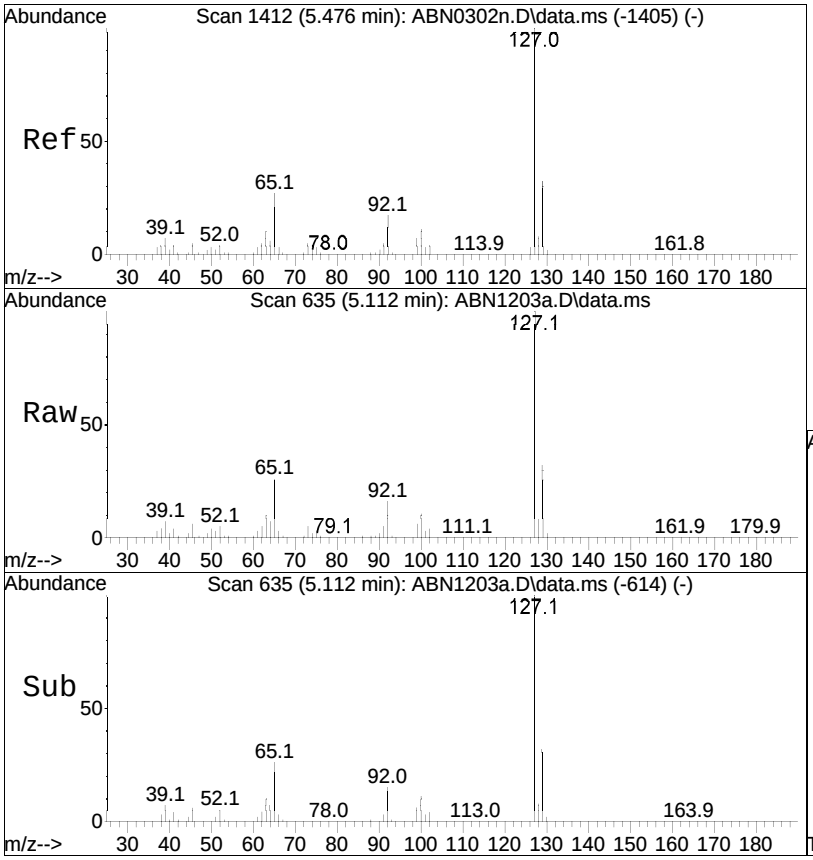


#37
Benzoic Acid
Concen: 54.61 ug/ml
RT: 4.889 min Scan# 597
Delta R.T. -0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:105 Resp: 275399

Ion	Ratio	Lower	Upper
105	100		
122	85.8	61.5	92.3
77	66.5	57.4	86.2

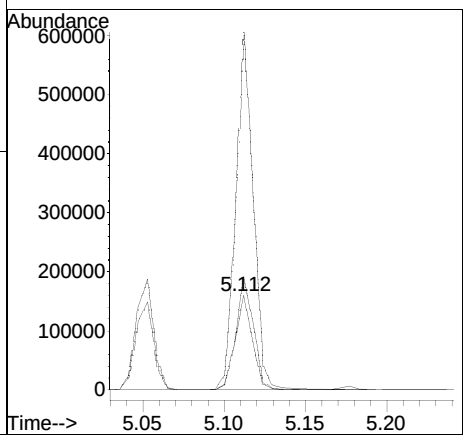


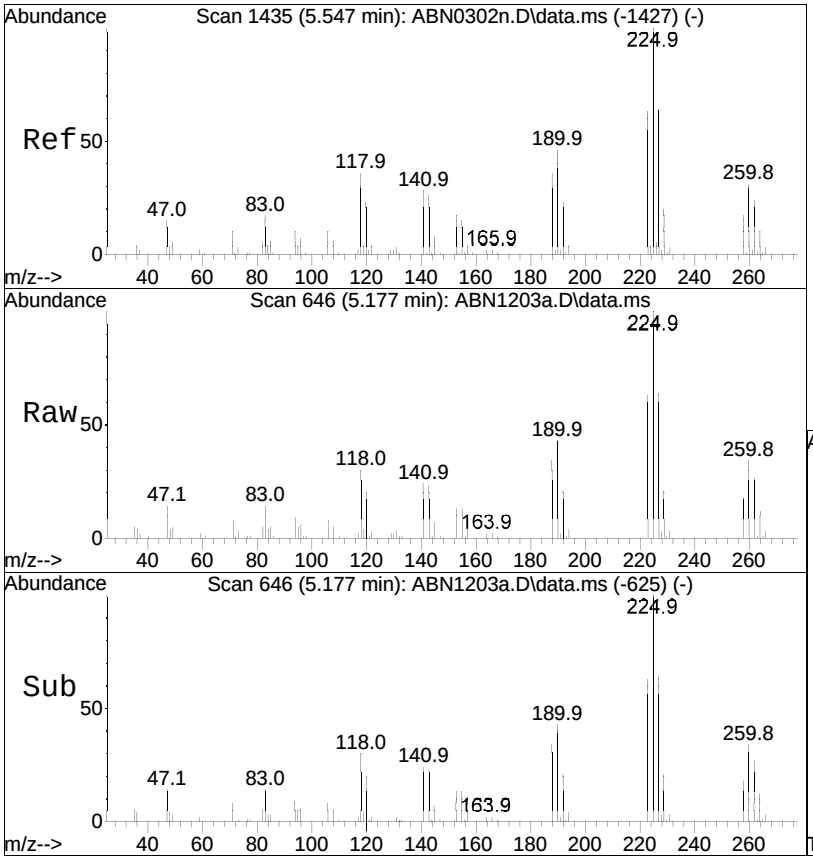


#38
4-Chloroaniline
Concen: 50.40 ug/ml
RT: 5.112 min Scan# 635
Delta R.T. 0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion: 65 Resp: 117789

Ion	Ratio	Lower	Upper
65	100		
127	378.5	295.3	442.9
129	121.3	96.3	144.5

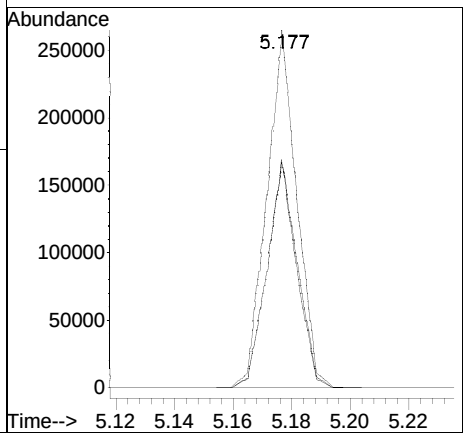


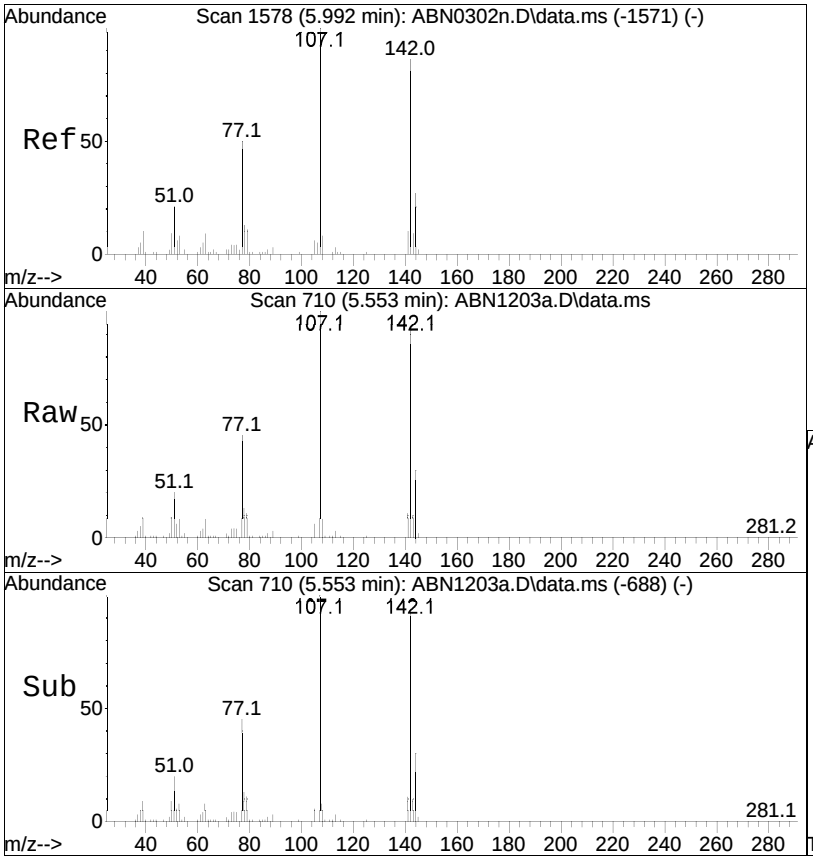


#39
Hexachlorobutadiene
Concen: 44.15 ug/ml
RT: 5.177 min Scan# 646
Delta R.T. -0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:225 Resp: 186413

Ion	Ratio	Lower	Upper
225	100		
223	62.3	50.2	75.2
227	64.1	51.3	76.9

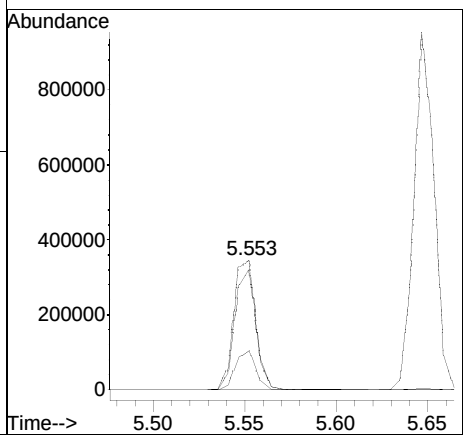


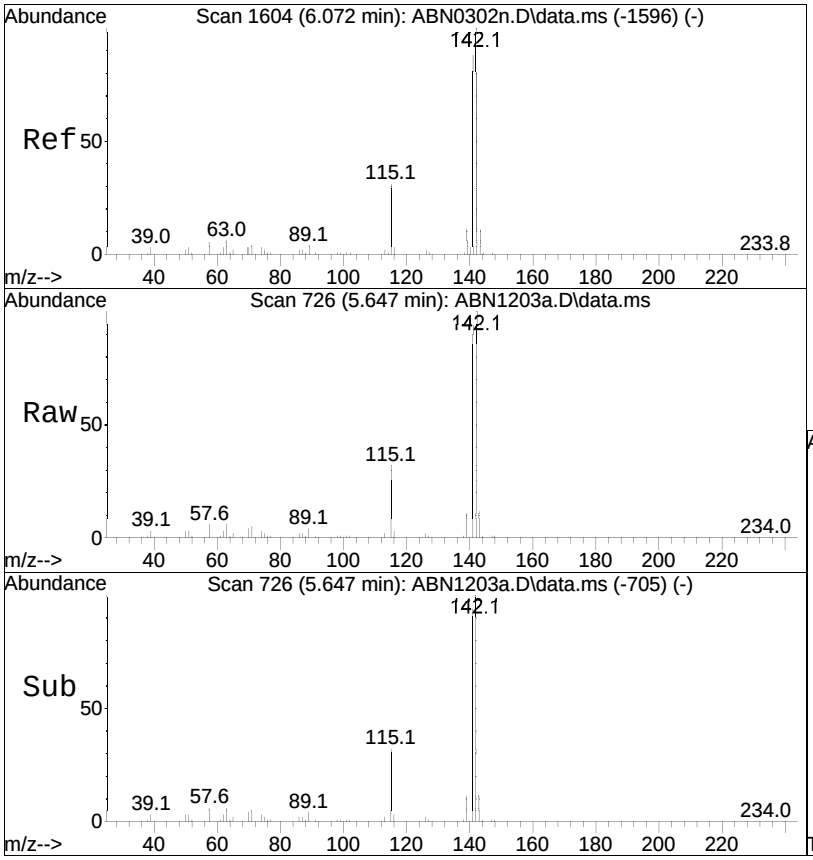


#40
p-Chloro-m-cresol
Concen: 51.31 ug/ml
RT: 5.553 min Scan# 710
Delta R.T. 0.006 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:107 Resp: 296145

Ion	Ratio	Lower	Upper
107	100		
144	28.3	20.7	31.1
142	88.0	63.7	95.5

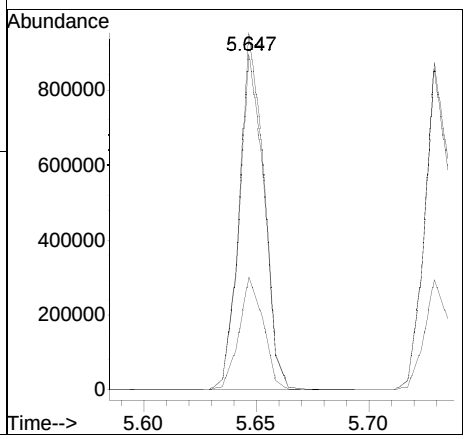


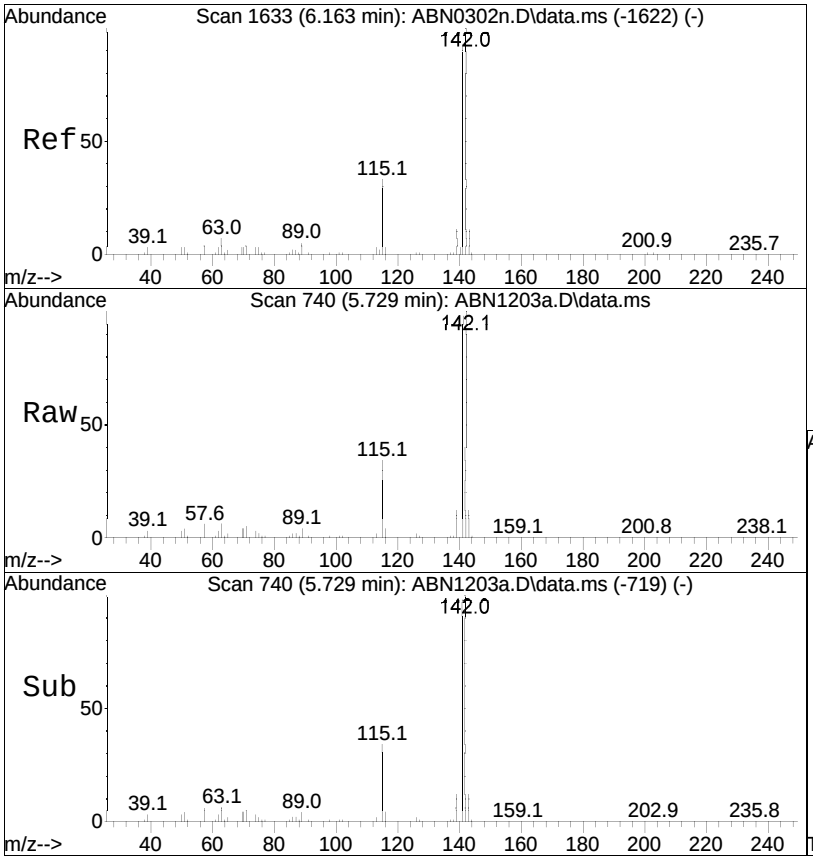


#41
2-Methylnaphthalene
Concen: 49.33 ug/ml
RT: 5.647 min Scan# 726
Delta R.T. -0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:142 Resp: 724564

Ion	Ratio	Lower	Upper
142	100		
141	94.9	71.0	106.6
115	31.5	29.8	44.6

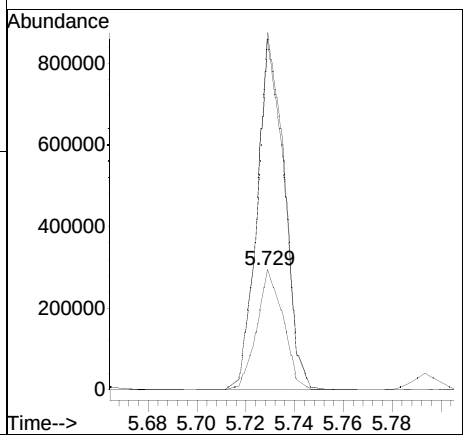


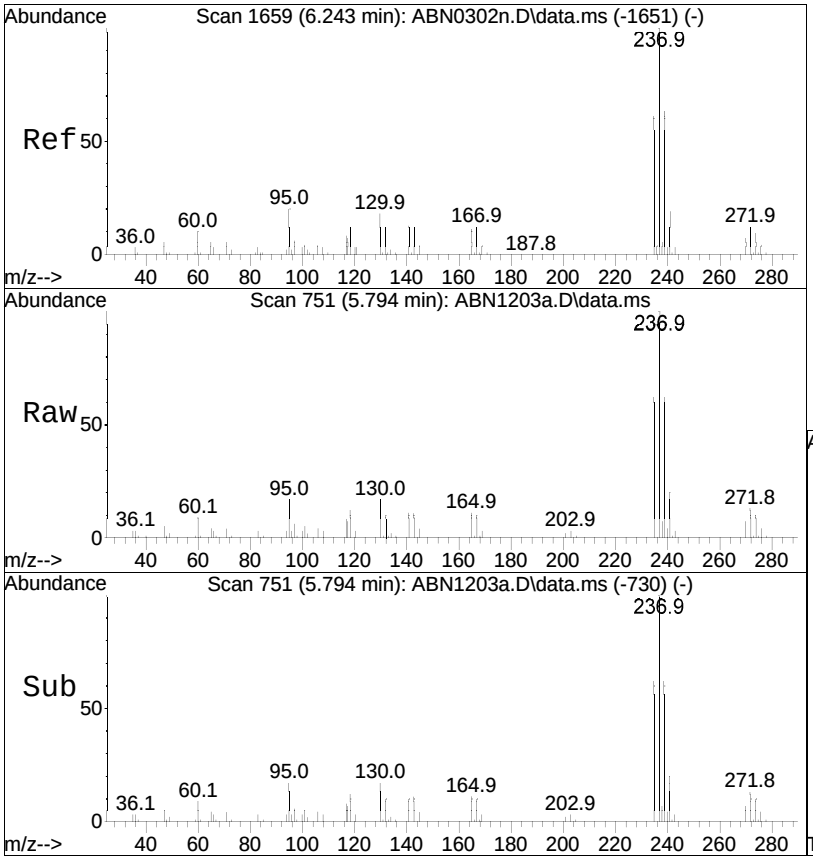


#42
1-Methylnaphthalene
Concen: 48.28 ug/ml
RT: 5.729 min Scan# 740
Delta R.T. 0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:115 Resp: 222542

Ion	Ratio	Lower	Upper
115	100		
141	295.7	188.9	283.3#
142	304.7	205.5	308.3

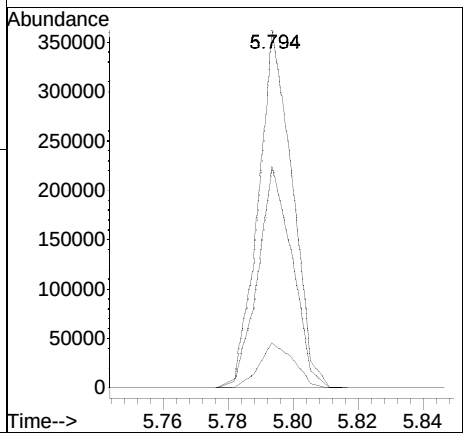


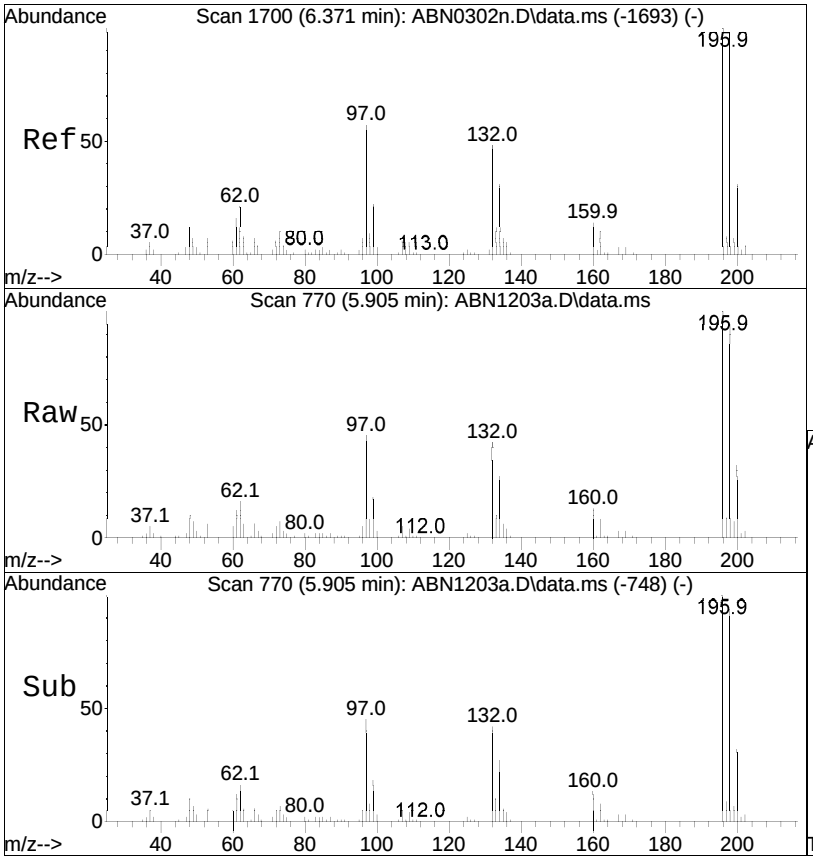


#43
Hexachlorocyclopentadiene
Concen: 49.47 ug/ml
RT: 5.794 min Scan# 751
Delta R.T. 0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:237 Resp: 260289

Ion	Ratio	Lower	Upper
237	100		
235	62.7	50.2	75.2
272	13.1	11.4	17.2

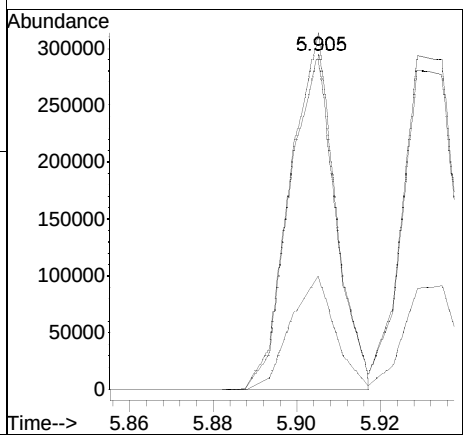


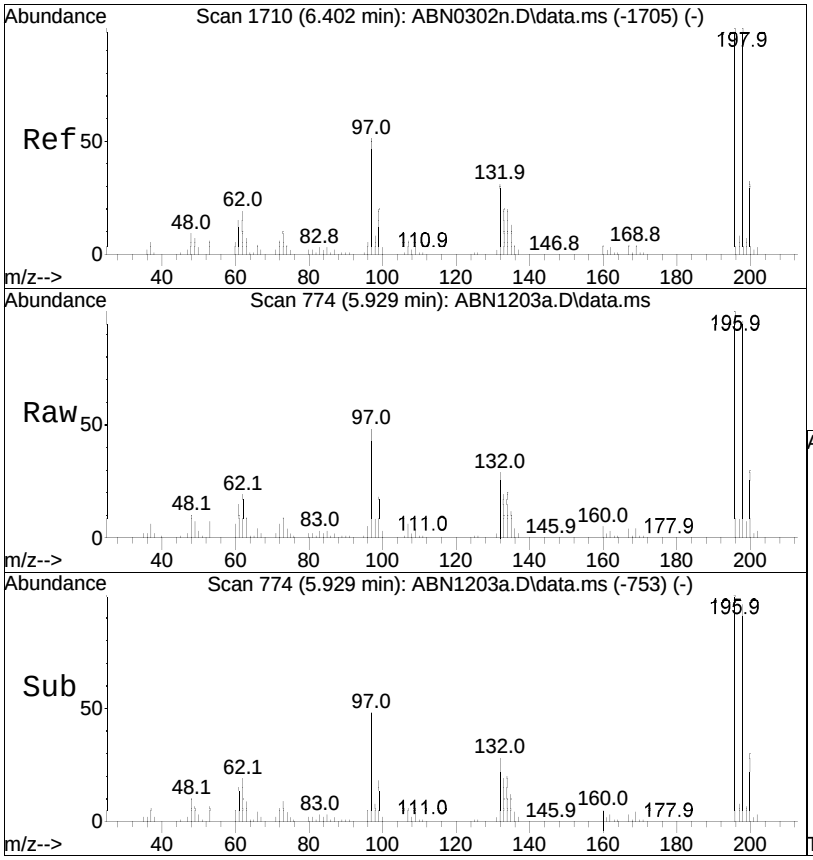


#44
2,4,6-Trichlorophenol
Concen: 51.49 ug/ml
RT: 5.905 min Scan# 770
Delta R.T. 0.006 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:196 Resp: 237591

Ion	Ratio	Lower	Upper
196	100		
198	95.1	76.0	114.0
200	31.2	24.9	37.3

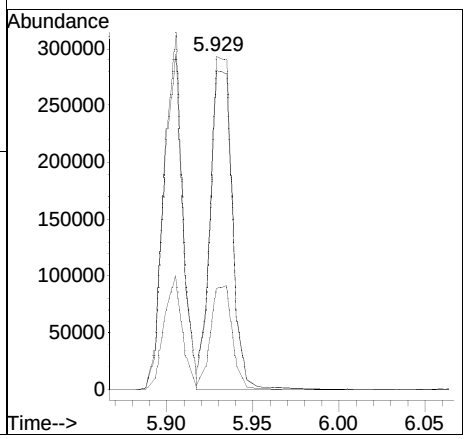


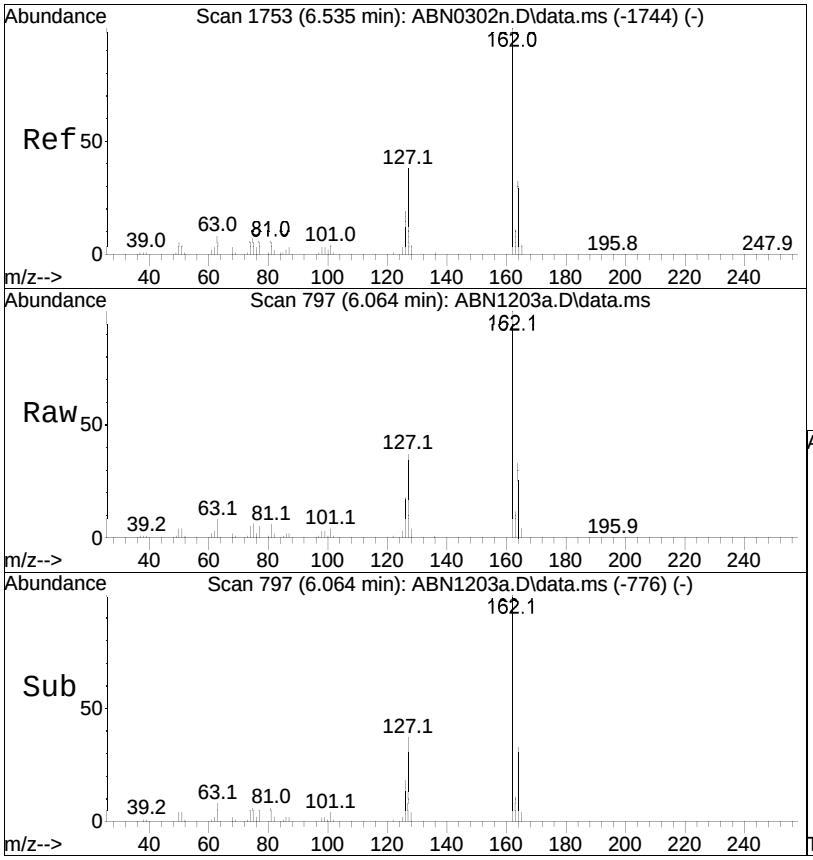


#45
2,4,5-Trichlorophenol
Concen: 50.65 ug/ml
RT: 5.929 min Scan# 774
Delta R.T. 0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:196 Resp: 259791

Ion	Ratio	Lower	Upper
196	100		
200	31.2	23.8	35.6
198	95.8	74.3	111.5

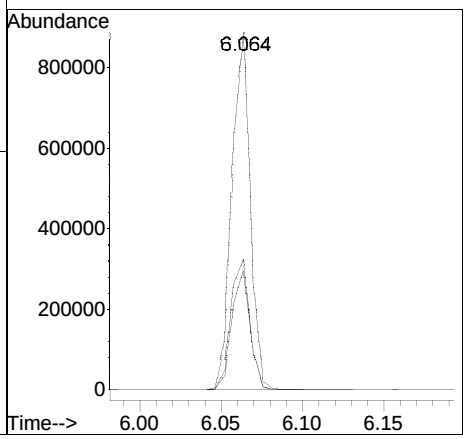


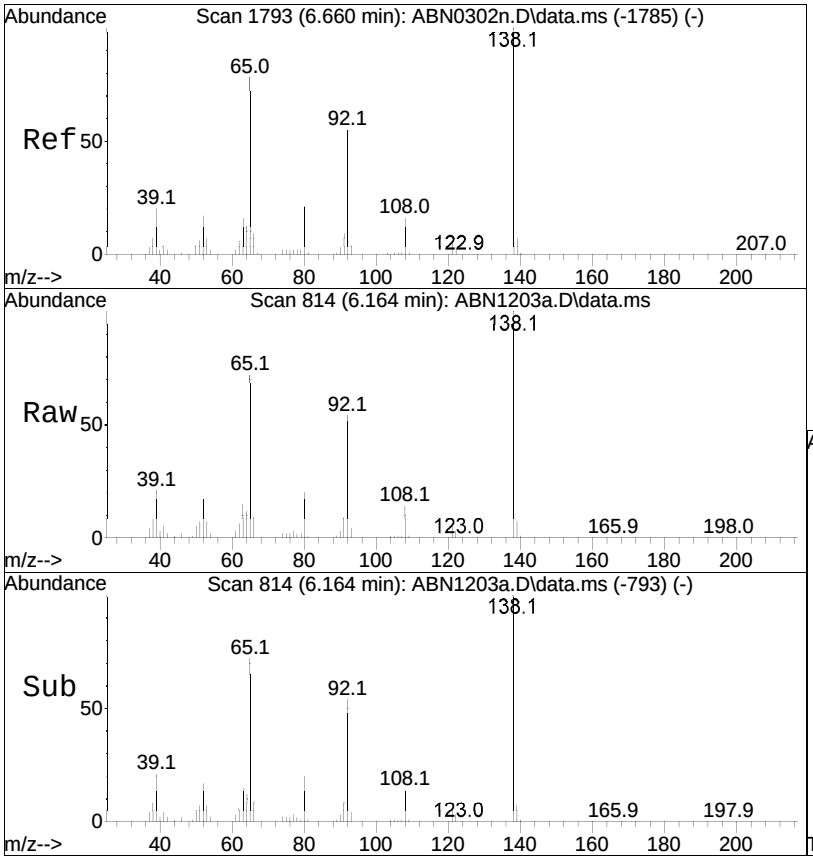


#47
2-Chloronaphthalene
Concen: 48.30 ug/ml
RT: 6.064 min Scan# 797
Delta R.T. -0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:162 Resp: 685748

Ion	Ratio	Lower	Upper
162	100		
127	38.0	33.9	50.9
164	33.4	26.3	39.5

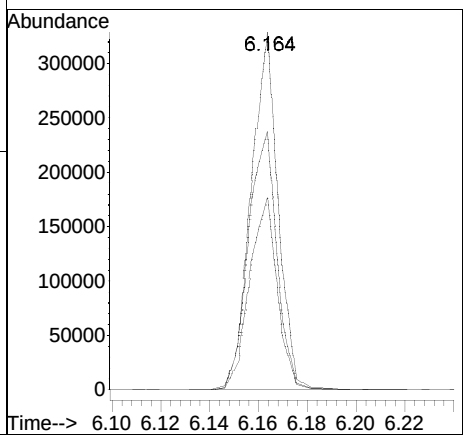


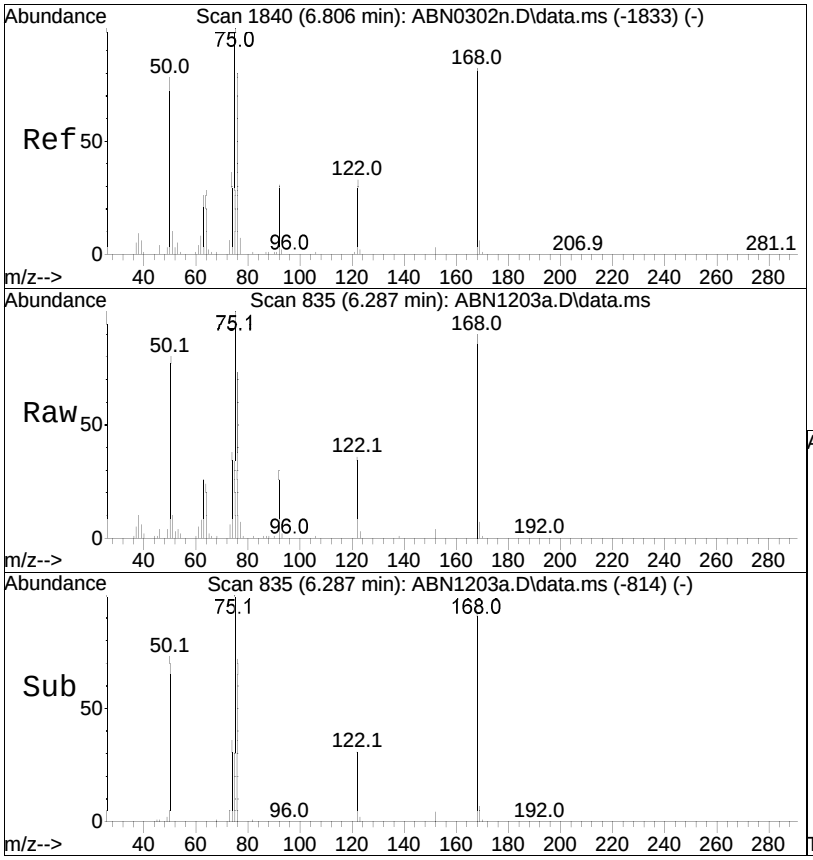


#48
2-Nitroaniline
Concen: 54.02 ug/ml
RT: 6.164 min Scan# 814
Delta R.T. -0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:138 Resp: 250199

Ion	Ratio	Lower	Upper
138	100		
92	55.5	52.5	78.7
65	76.8	67.7	101.5

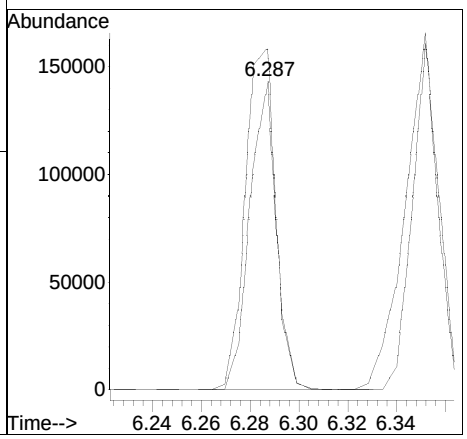


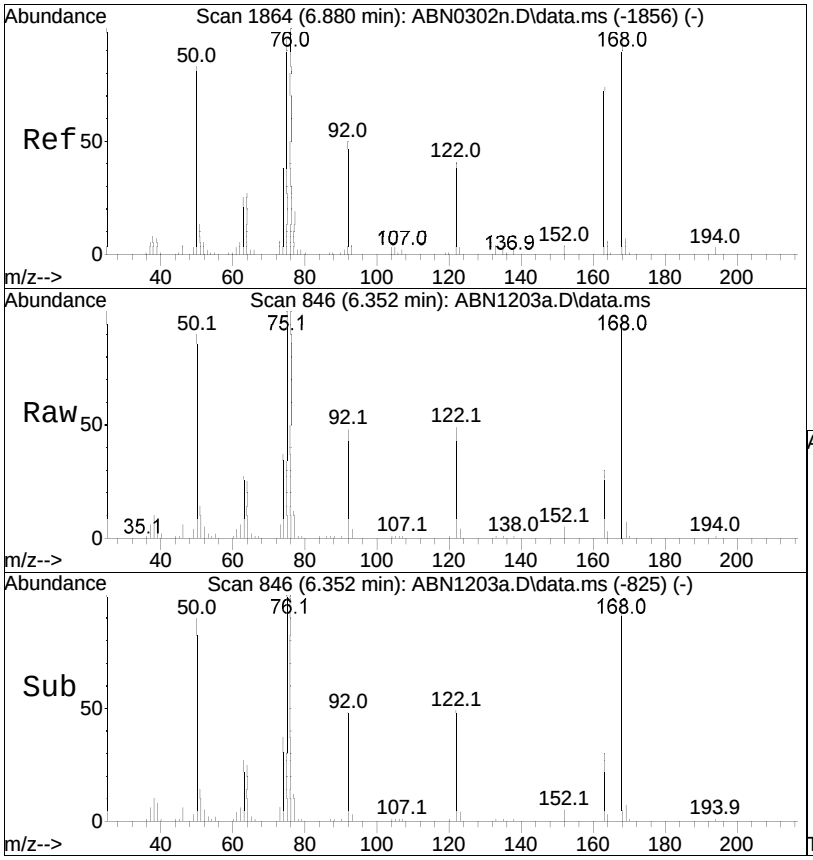


#49
1,4-Dinitrobenzene
Concen: 53.48 ug/ml
RT: 6.287 min Scan# 835
Delta R.T. 0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:168 Resp: 109091

Ion	Ratio	Lower	Upper
168	100		
75	126.1	120.6	181.0

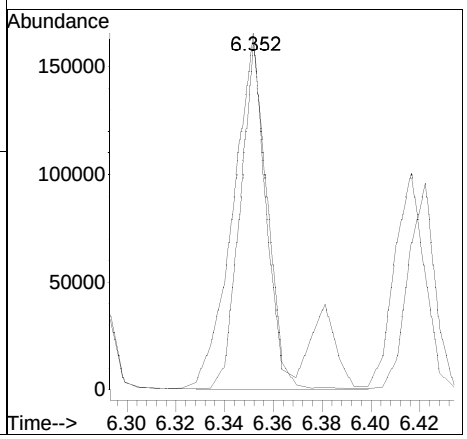


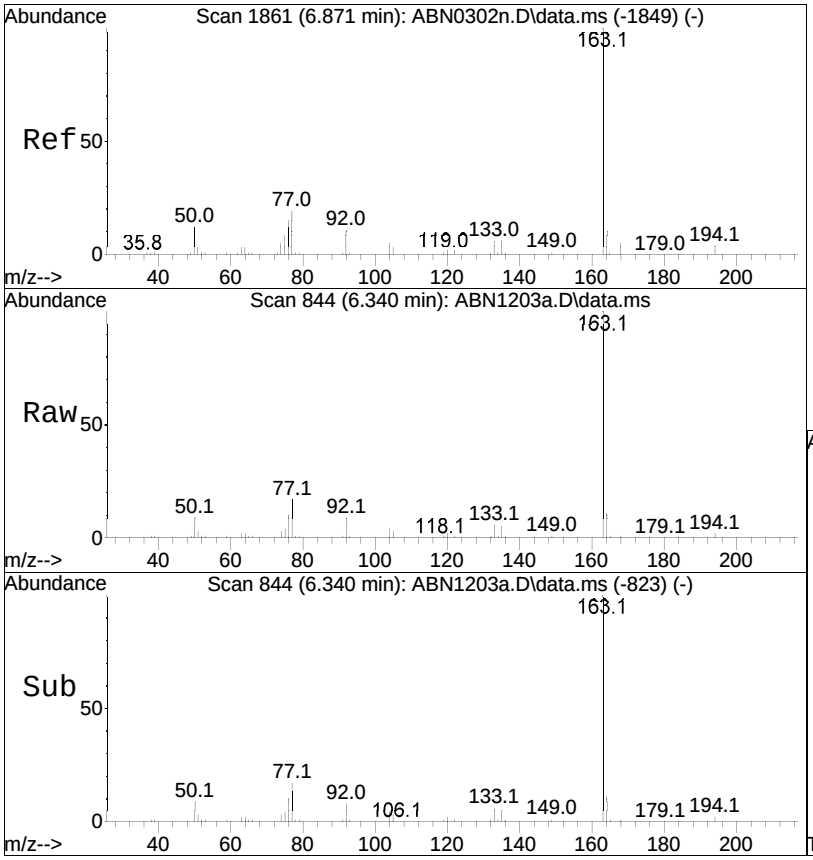


#50
1,3-Dinitrobenzene
Concen: 55.39 ug/ml
RT: 6.352 min Scan# 846
Delta R.T. -0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:168 Resp: 124807

Ion	Ratio	Lower	Upper
168	100		
75	123.4	126.3	189.5#

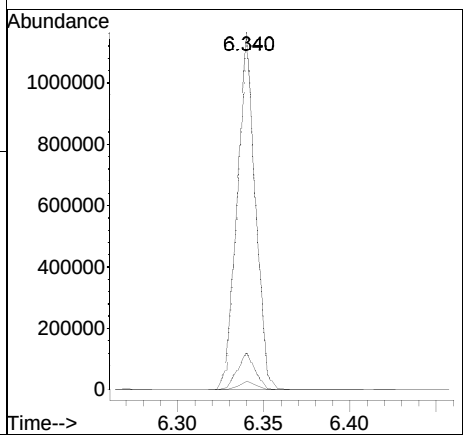


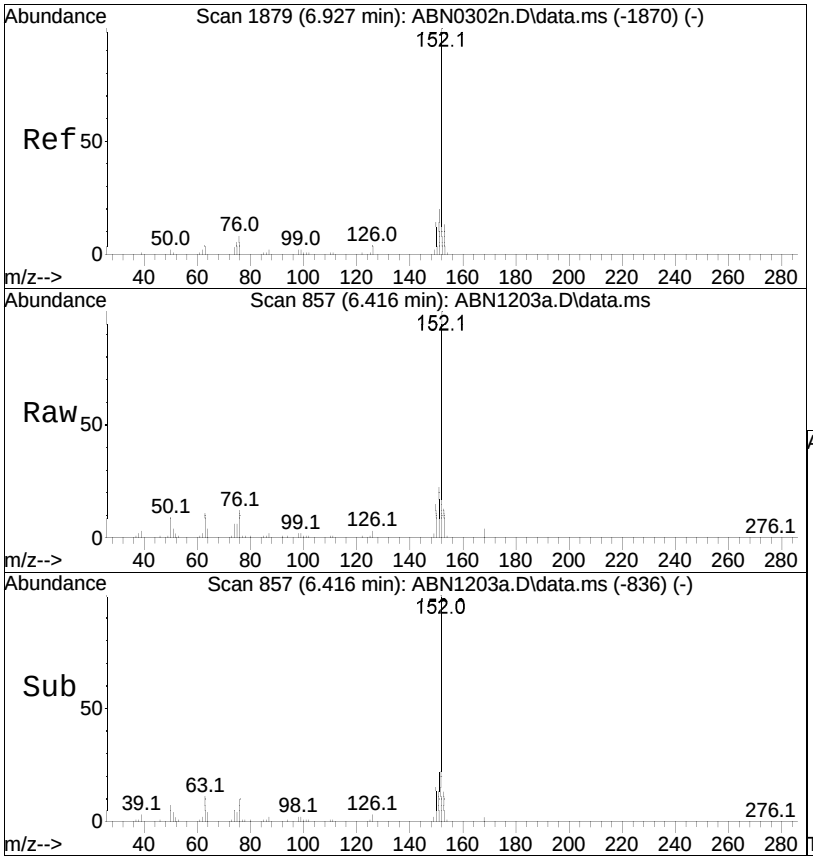


#51
Dimethyl phthalate
Concen: 47.82 ug/ml
RT: 6.340 min Scan# 844
Delta R.T. -0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:163 Resp: 835385

Ion	Ratio	Lower	Upper
163	100		
194	2.4	3.5	5.3#
164	10.4	8.3	12.5

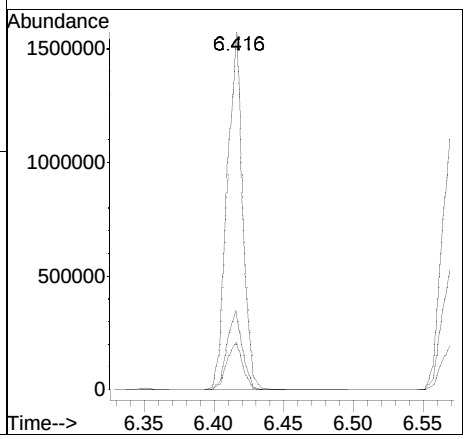


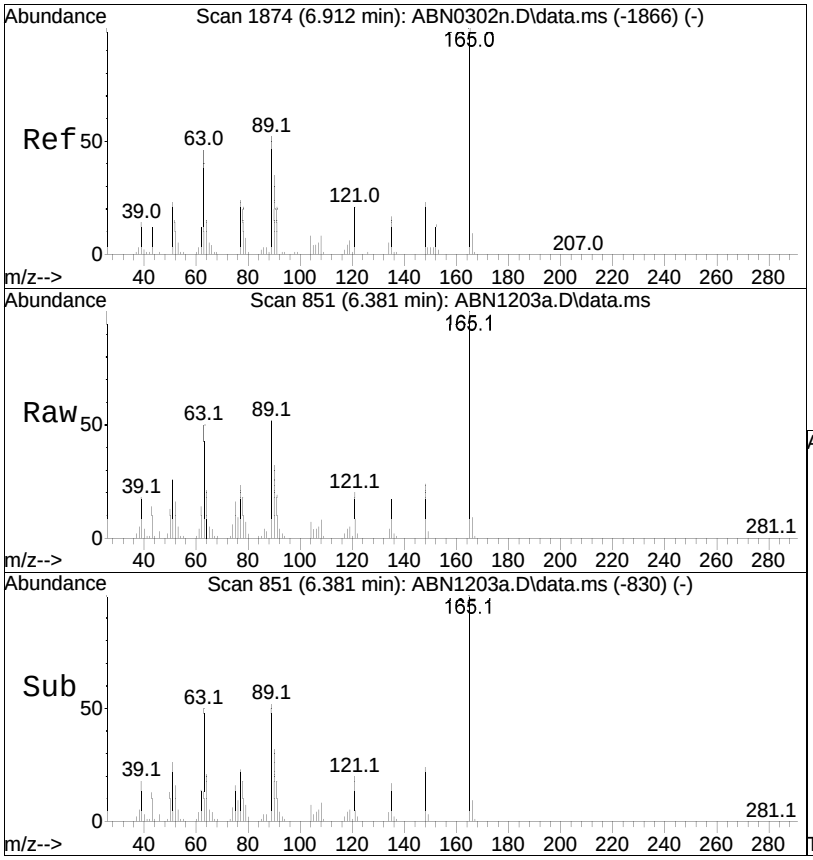


#52
Acenaphthylene
Concen: 49.71 ug/ml
RT: 6.416 min Scan# 857
Delta R.T. -0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:152 Resp: 1223013

Ion	Ratio	Lower	Upper
152	100		
151	21.9	17.7	26.5
153	13.5	10.6	15.8

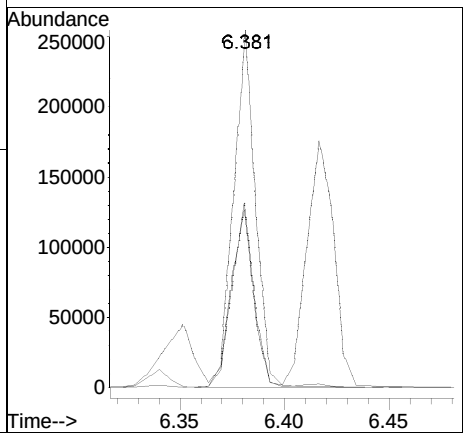


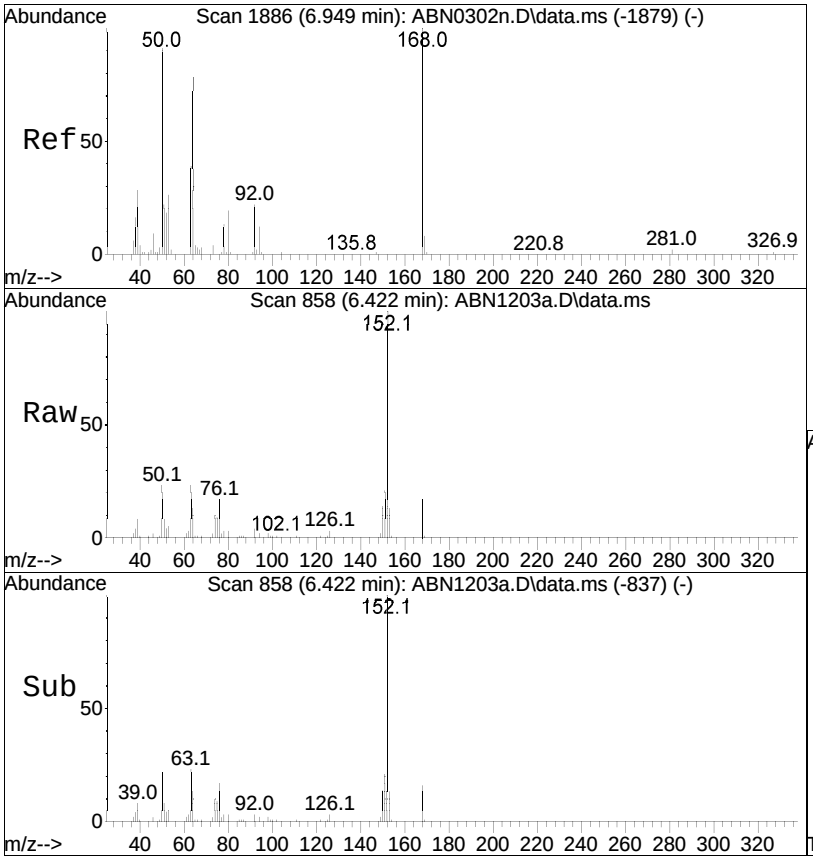


#53
2,6-Dinitrotoluene
Concen: 52.74 ug/ml
RT: 6.381 min Scan# 851
Delta R.T. 0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:165 Resp: 185299

Ion	Ratio	Lower	Upper
165	100		
89	51.7	56.8	85.2#
63	50.7	50.6	76.0

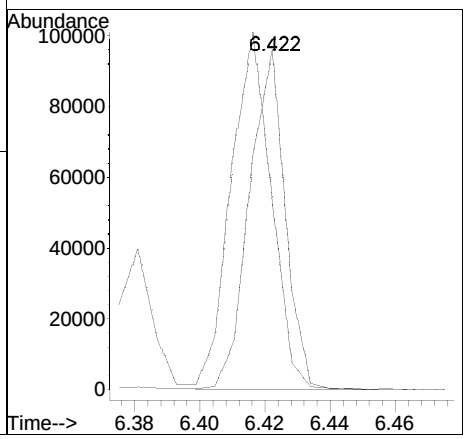


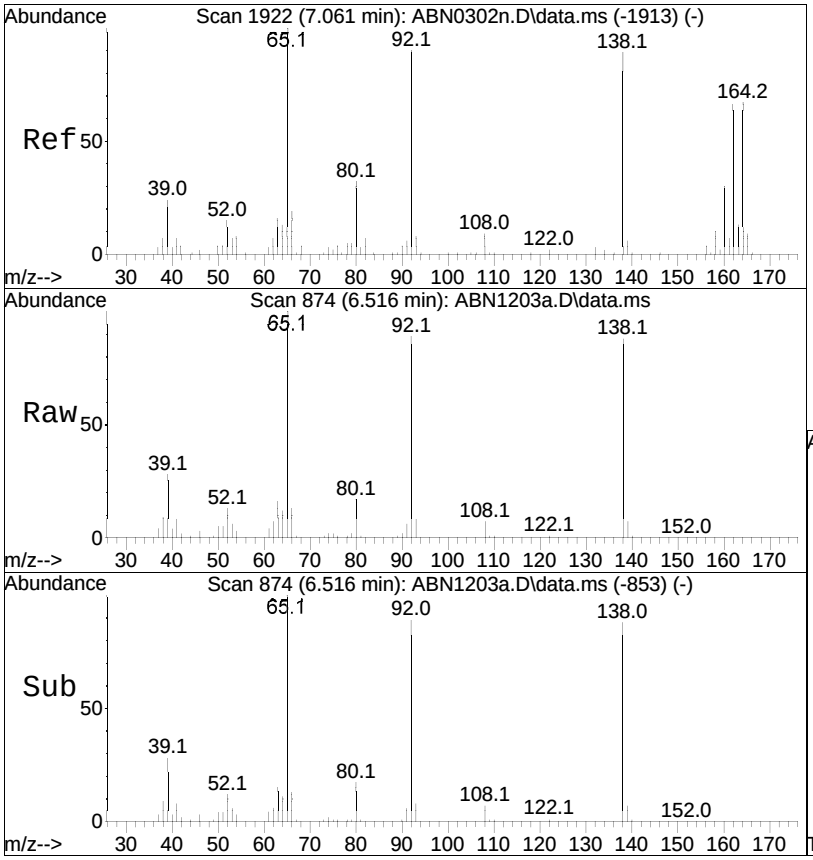


#54
1,2-Dinitrobenzene
Concen: 51.83 ug/ml
RT: 6.422 min Scan# 858
Delta R.T. 0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:168 Resp: 73196

Ion	Ratio	Lower	Upper
168	100		
75	118.9	106.6	160.0

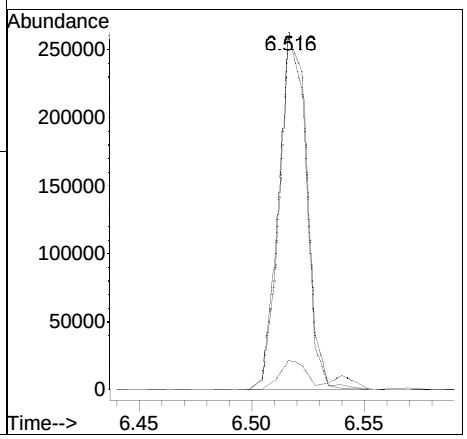


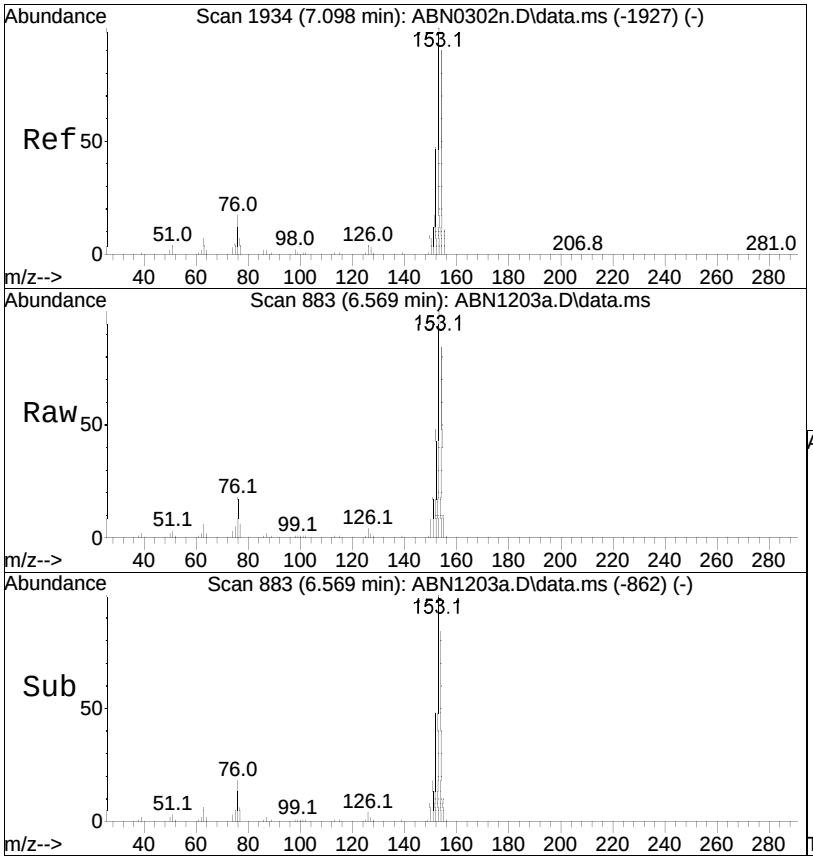


#64
3-Nitroaniline
Concen: 51.58 ug/ml
RT: 6.516 min Scan# 874
Delta R.T. -0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:138 Resp: 221672

Ion	Ratio	Lower	Upper
138	100		
92	99.8	95.4	143.2
108	9.0	8.1	12.1

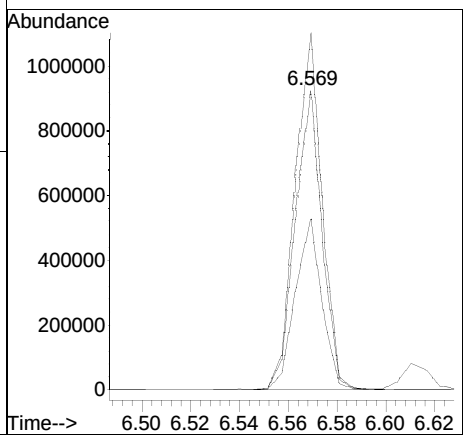


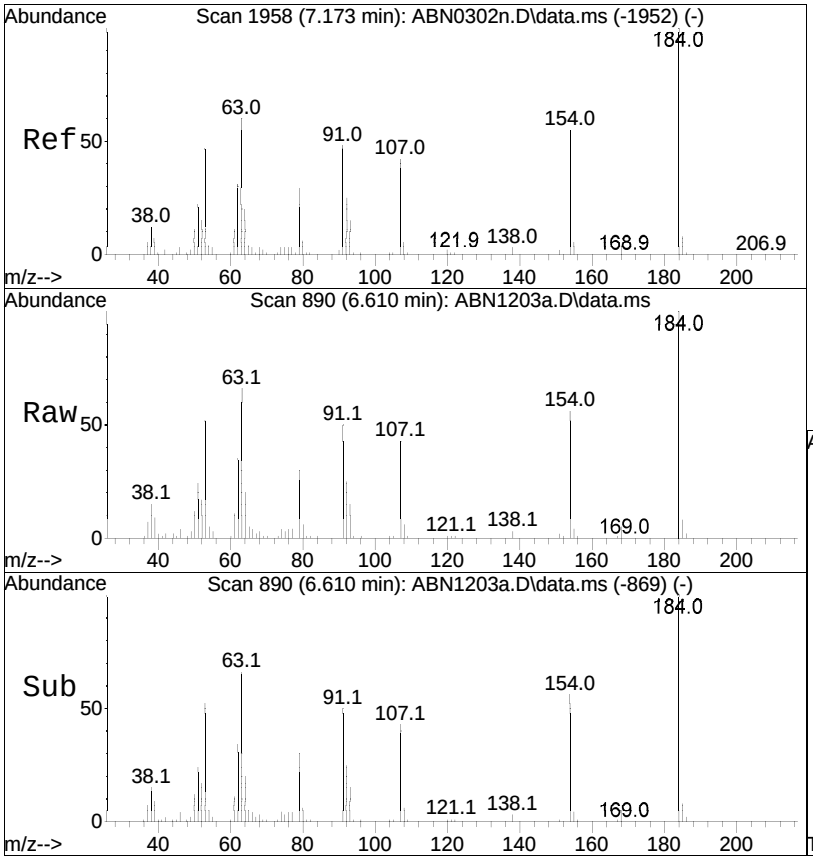


#65
Acenaphthene
Concen: 46.96 ug/ml
RT: 6.569 min Scan# 883
Delta R.T. -0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:154 Resp: 704337

Ion	Ratio	Lower	Upper
154	100		
153	119.8	89.2	133.8
152	57.0	44.2	66.2

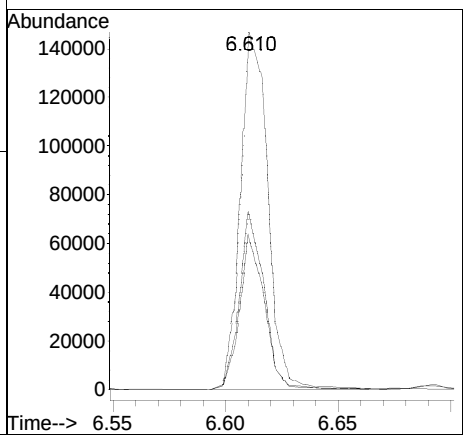


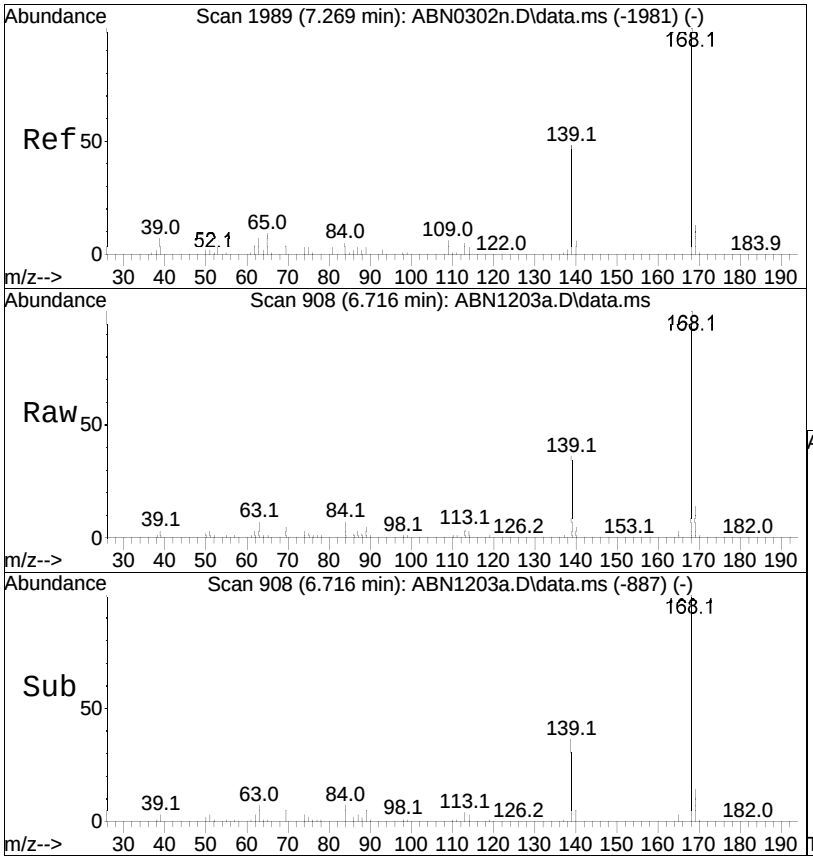


#66
2,4-Dinitrophenol
Concen: 56.01 ug/ml
RT: 6.610 min Scan# 890
Delta R.T. 0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:184 Resp: 124184

Ion	Ratio	Lower	Upper
184	100		
107	39.7	40.6	61.0#
91	45.0	47.3	70.9#

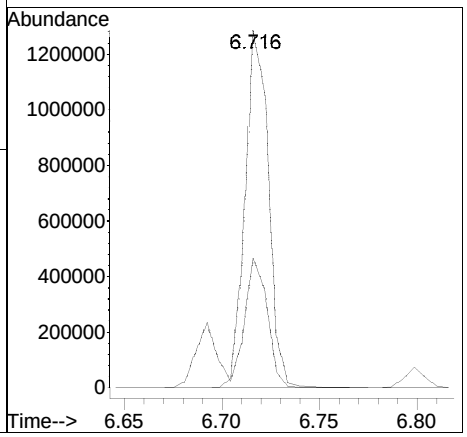


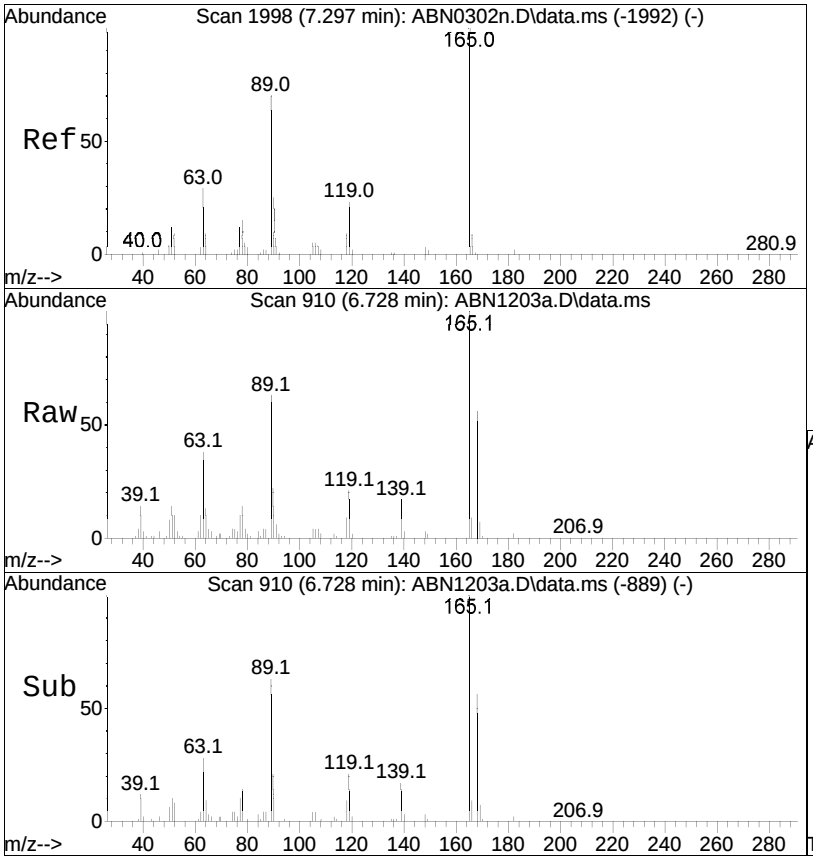


#67
Dibenzofuran
Concen: 48.27 ug/ml
RT: 6.716 min Scan# 908
Delta R.T. 0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:168 Resp: 1060228

Ion	Ratio	Lower	Upper
168	100		
139	34.8	33.3	49.9

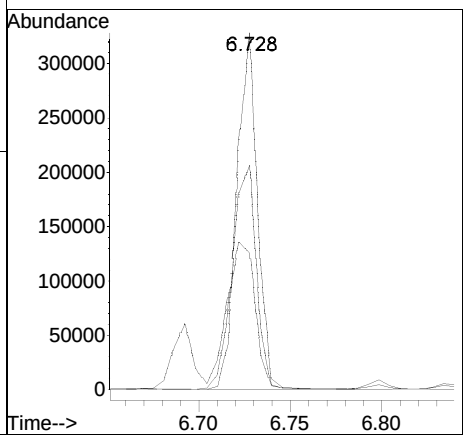


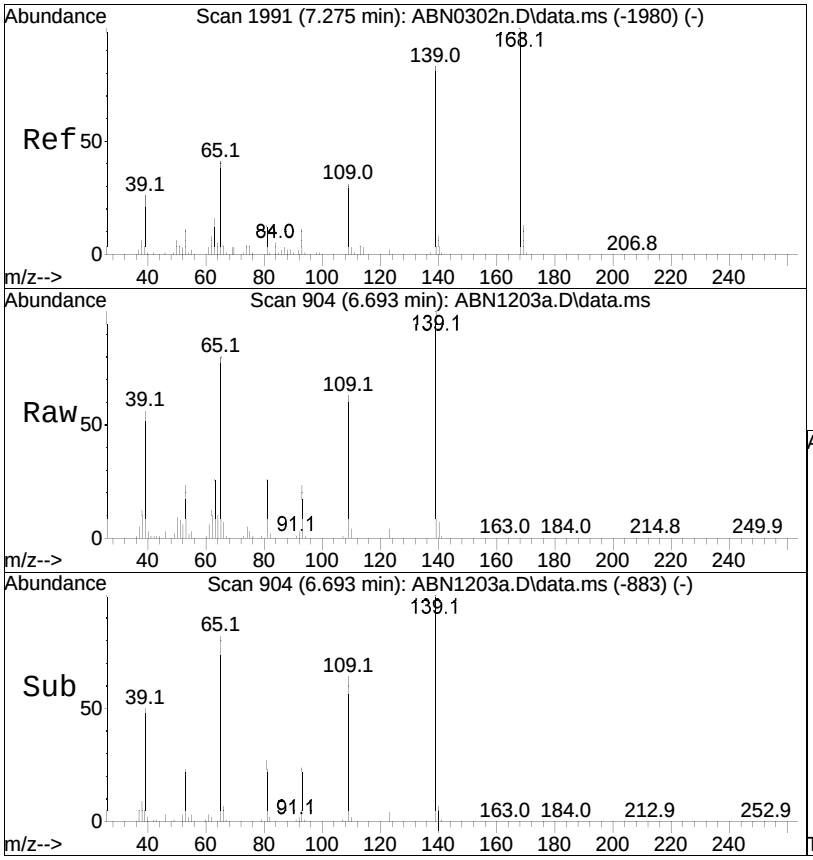


#68
2,4-Dinitrotoluene
Concen: 51.68 ug/ml
RT: 6.728 min Scan# 910
Delta R.T. 0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:165 Resp: 255191

Ion	Ratio	Lower	Upper
165	100		
89	74.1	82.6	124.0#
63	56.7	56.9	85.3#

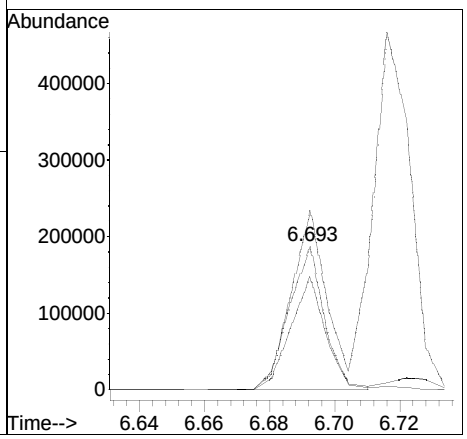


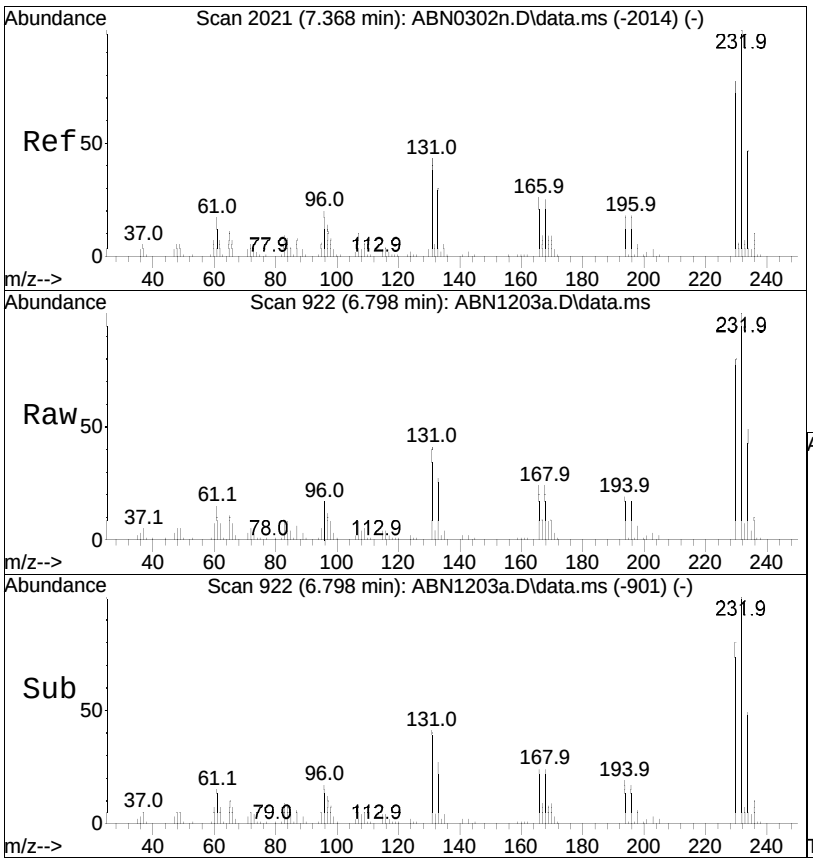


#69
4-Nitrophenol
Concen: 50.06 ug/ml
RT: 6.693 min Scan# 904
Delta R.T. -0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion: 65 Resp: 142555

Ion	Ratio	Lower	Upper
65	100		
109	80.5	60.7	91.1
139	125.6	90.3	135.5

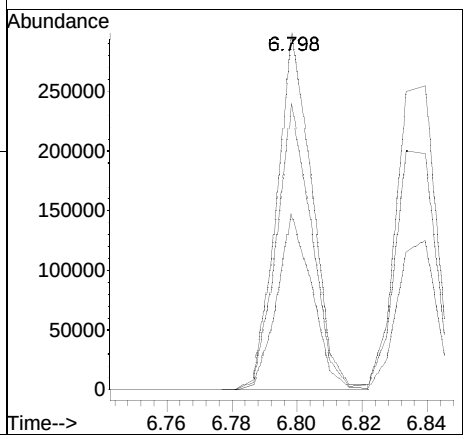


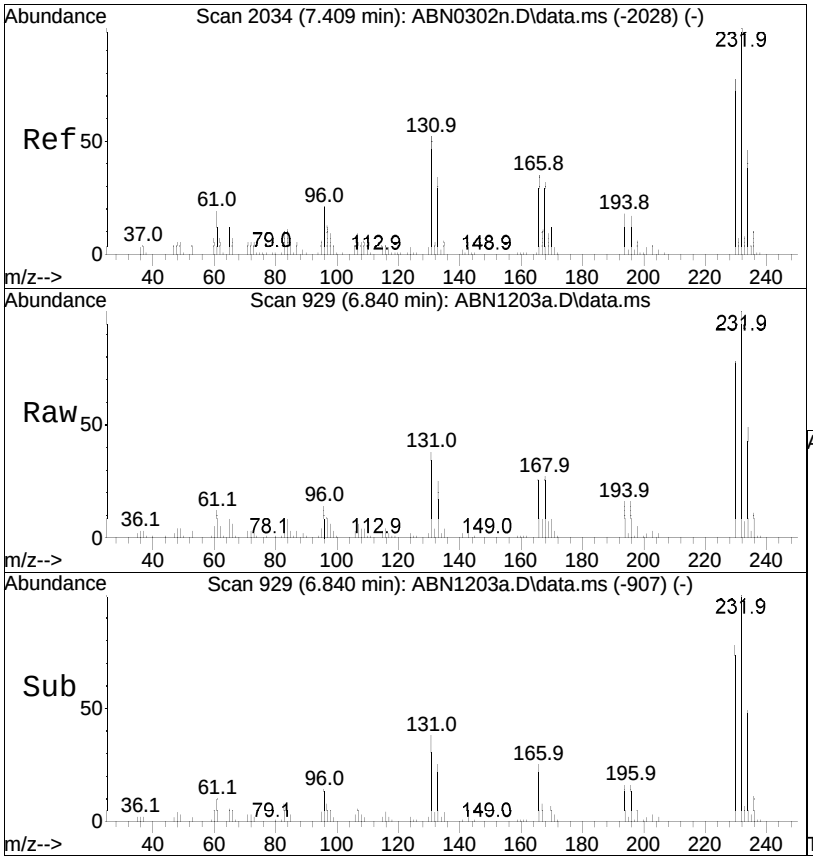


#70
2,3,5,6-Tetrachlorophenol
Concen: 49.14 ug/ml
RT: 6.798 min Scan# 922
Delta R.T. 0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:232 Resp: 226735

Ion	Ratio	Lower	Upper
232	100		
230	78.8	64.1	96.1
234	49.2	38.2	57.2

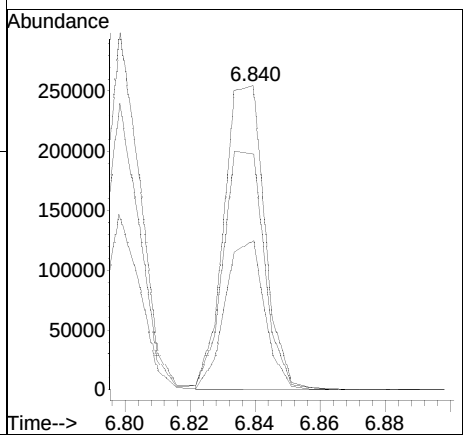


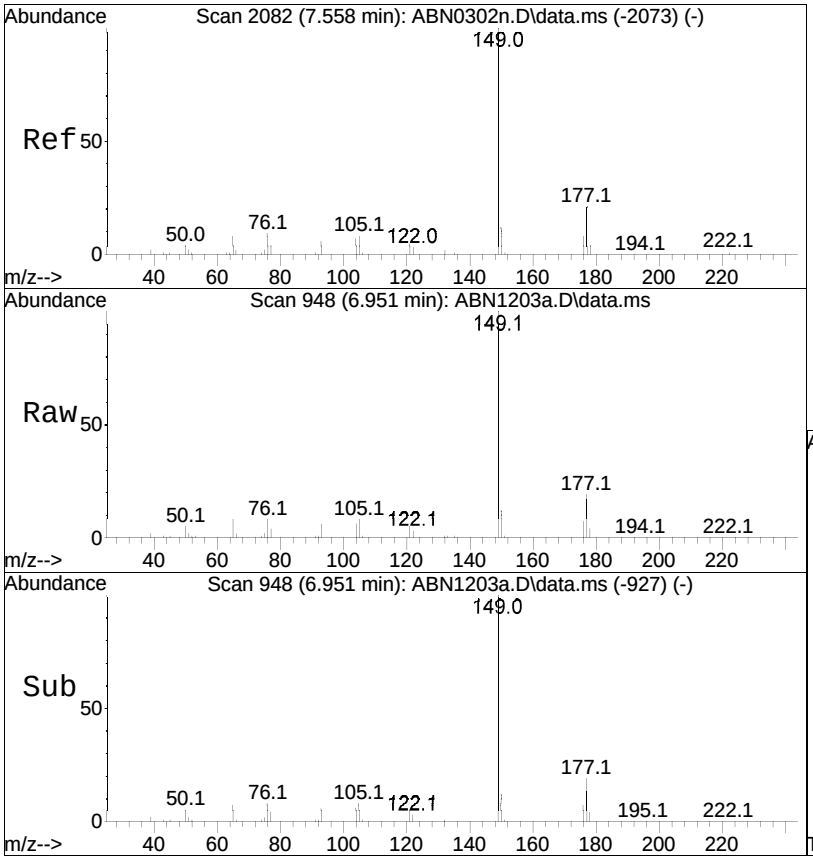


#71
2,3,4,6-Tetrachlorophenol
Concen: 47.17 ug/ml
RT: 6.840 min Scan# 929
Delta R.T. 0.006 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:232 Resp: 220234

Ion	Ratio	Lower	Upper
232	100		
230	80.7	61.6	92.4
234	48.6	39.0	58.6

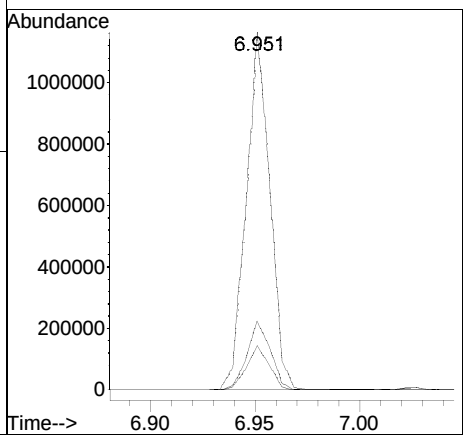


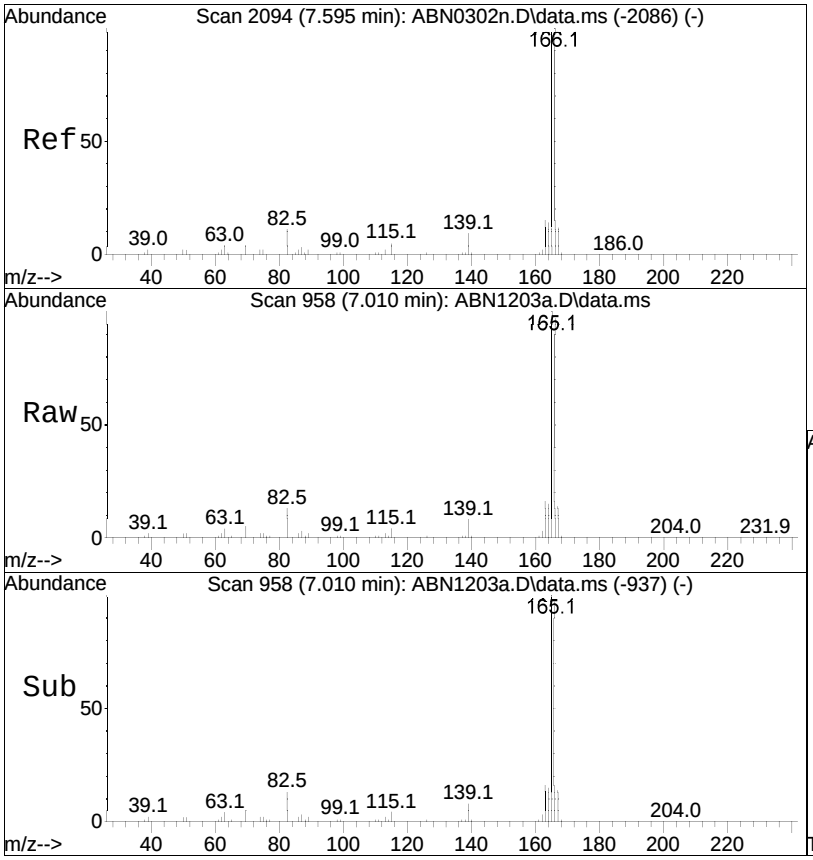


#72
Diethyl phthalate
Concen: 47.06 ug/ml
RT: 6.951 min Scan# 948
Delta R.T. 0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:149 Resp: 903809

Ion	Ratio	Lower	Upper
149	100		
177	19.3	14.7	22.1
150	12.1	9.4	14.0

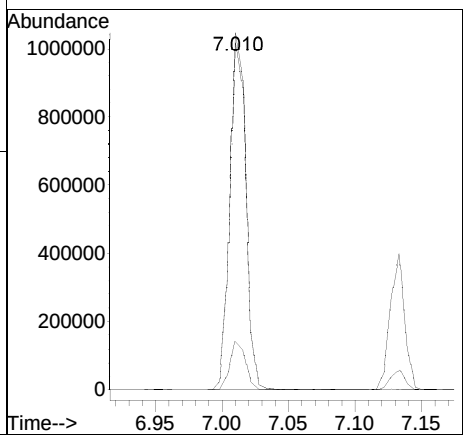


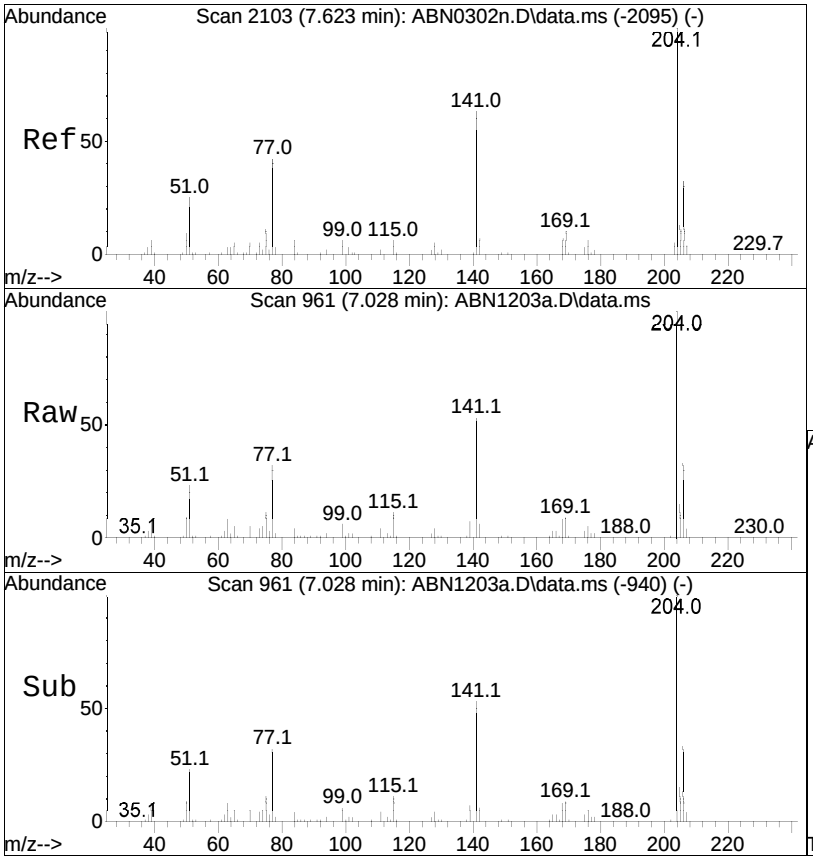


#73
Fluorene
Concen: 47.93 ug/ml
RT: 7.010 min Scan# 958
Delta R.T. -0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:166 Resp: 864876

Ion	Ratio	Lower	Upper
166	100		
165	102.4	76.7	115.1
167	13.8	11.0	16.4

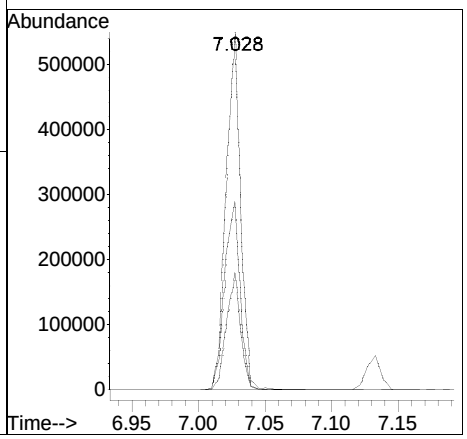


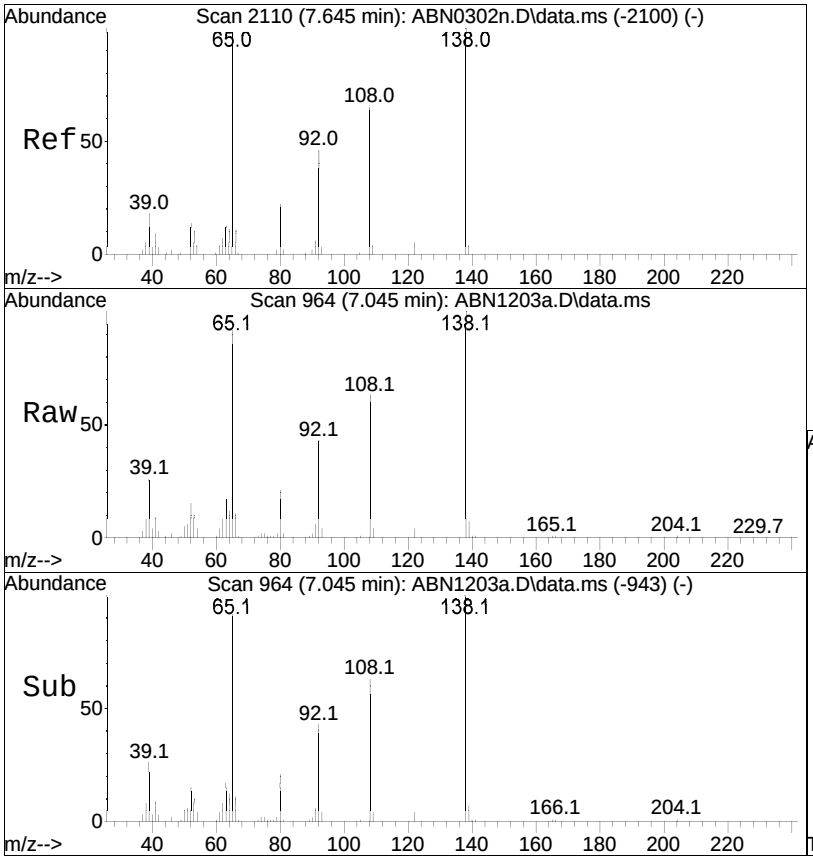


#74
4-Chlorophenyl phenyl ether
Concen: 46.70 ug/ml
RT: 7.028 min Scan# 961
Delta R.T. 0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:204 Resp: 407646

Ion	Ratio	Lower	Upper
204	100		
206	32.2	25.8	38.6
141	55.8	56.2	84.4#

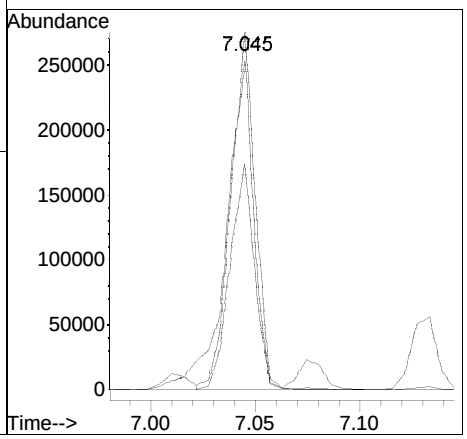


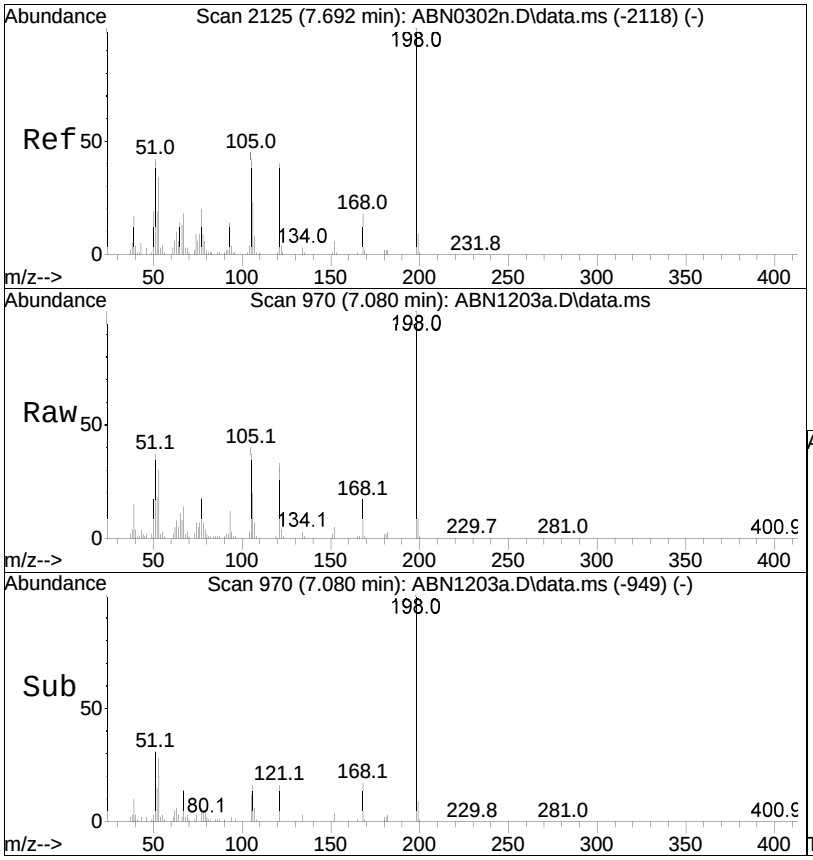


#75
4-Nitroaniline
Concen: 50.79 ug/ml
RT: 7.045 min Scan# 964
Delta R.T. -0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:138 Resp: 221272

Ion	Ratio	Lower	Upper
138	100		
108	63.9	54.2	81.4
65	103.1	88.2	132.4

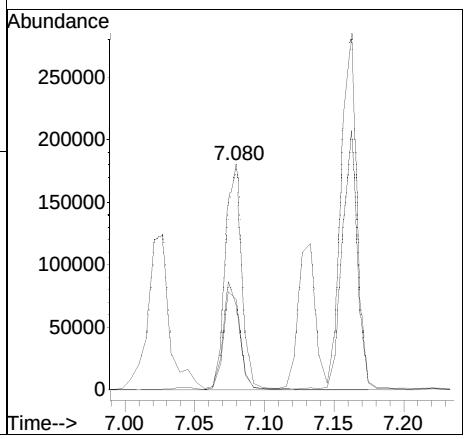


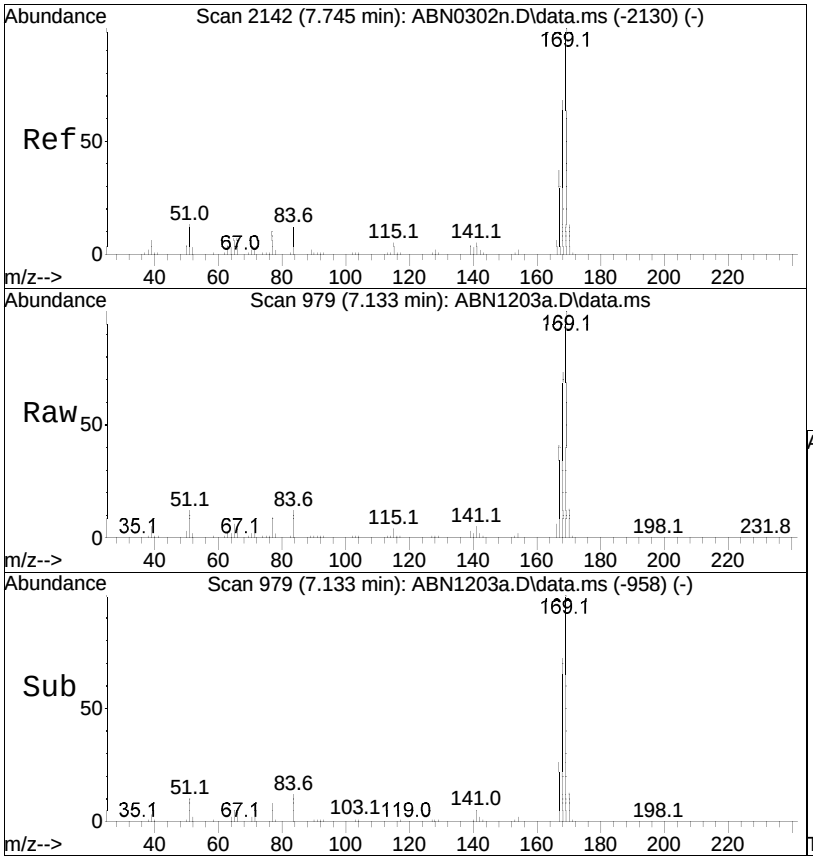


#76
4,6-Dinitro-o-cresol
Concen: 55.02 ug/ml
RT: 7.080 min Scan# 970
Delta R.T. 0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:198 Resp: 150369

Ion	Ratio	Lower	Upper
198	100		
51	44.4	41.0	61.4
105	43.7	49.0	73.4#

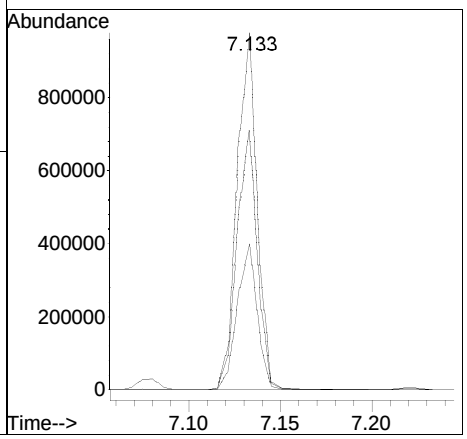


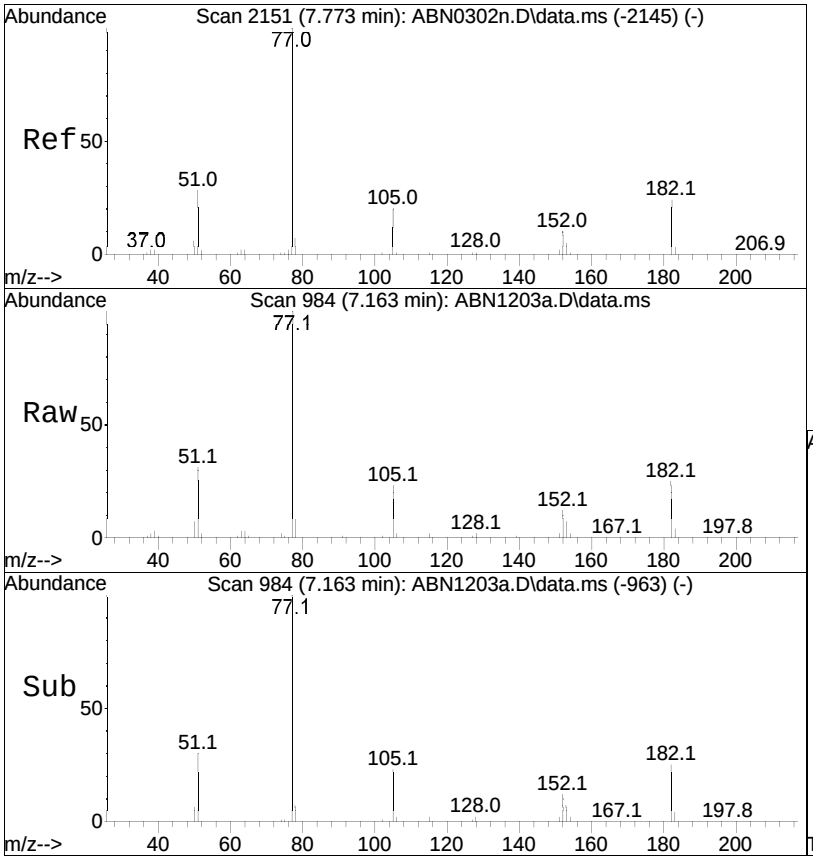


#77
NDPA/DPA
Concen: 48.24 ug/ml
RT: 7.133 min Scan# 979
Delta R.T. -0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:169 Resp: 748848

Ion	Ratio	Lower	Upper
169	100		
168	73.5	58.2	87.4
167	40.9	31.7	47.5

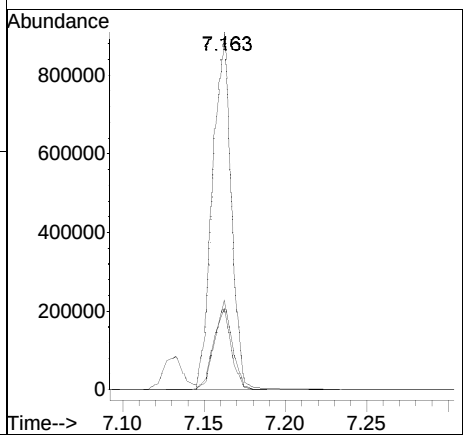


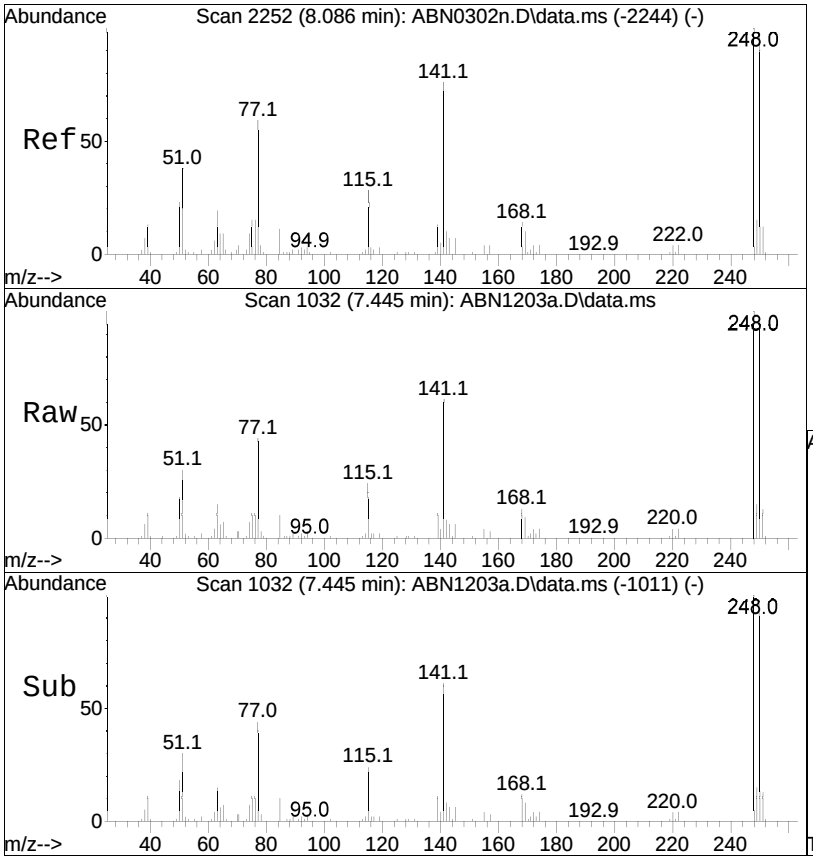


#78
Azobenzene
Concen: 47.55 ug/ml
RT: 7.163 min Scan# 984
Delta R.T. -0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion: 77 Resp: 715443

Ion	Ratio	Lower	Upper
77	100		
182	23.7	14.9	22.3#
105	22.3	12.8	19.2#

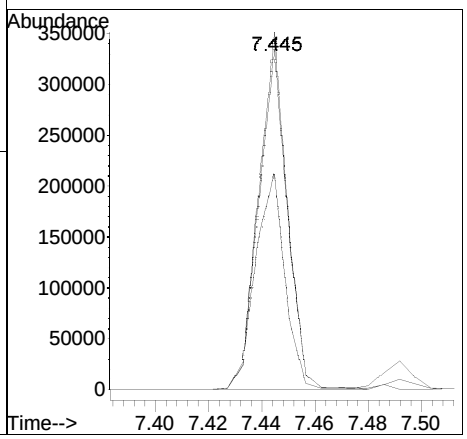


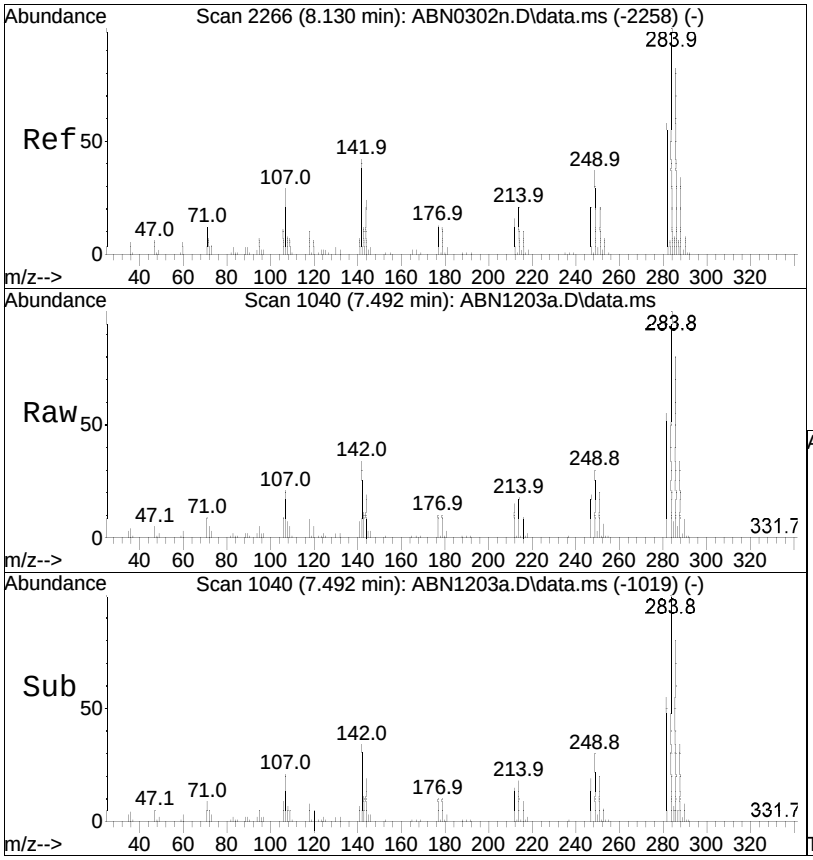


#80
4-Bromophenyl phenyl ether
Concen: 46.11 ug/ml
RT: 7.445 min Scan# 1032
Delta R.T. 0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:248 Resp: 257320

Ion	Ratio	Lower	Upper
248	100		
141	63.2	68.2	102.4#
250	95.9	76.5	114.7

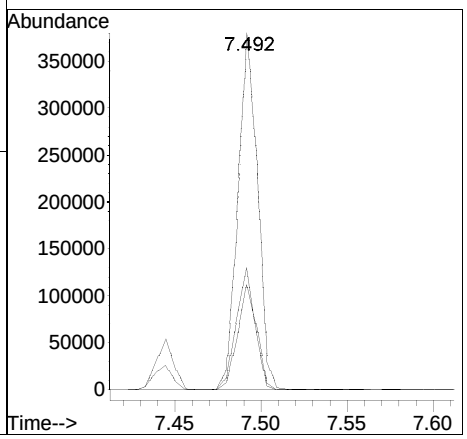


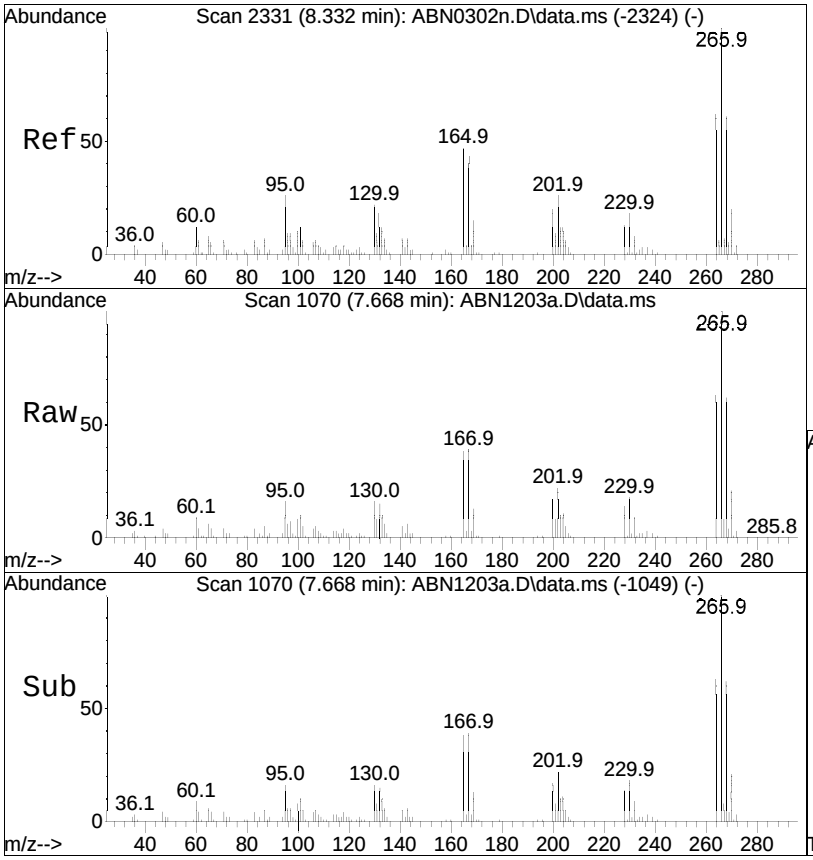


#81
Hexachlorobenzene
Concen: 44.73 ug/ml
RT: 7.492 min Scan# 1040
Delta R.T. 0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:284 Resp: 302035

Ion	Ratio	Lower	Upper
284	100		
142	33.0	38.1	57.1#
249	29.0	20.7	31.1

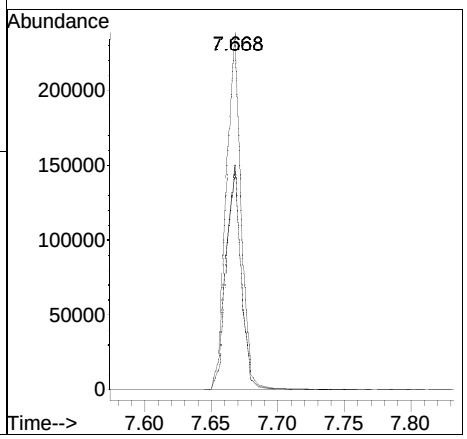


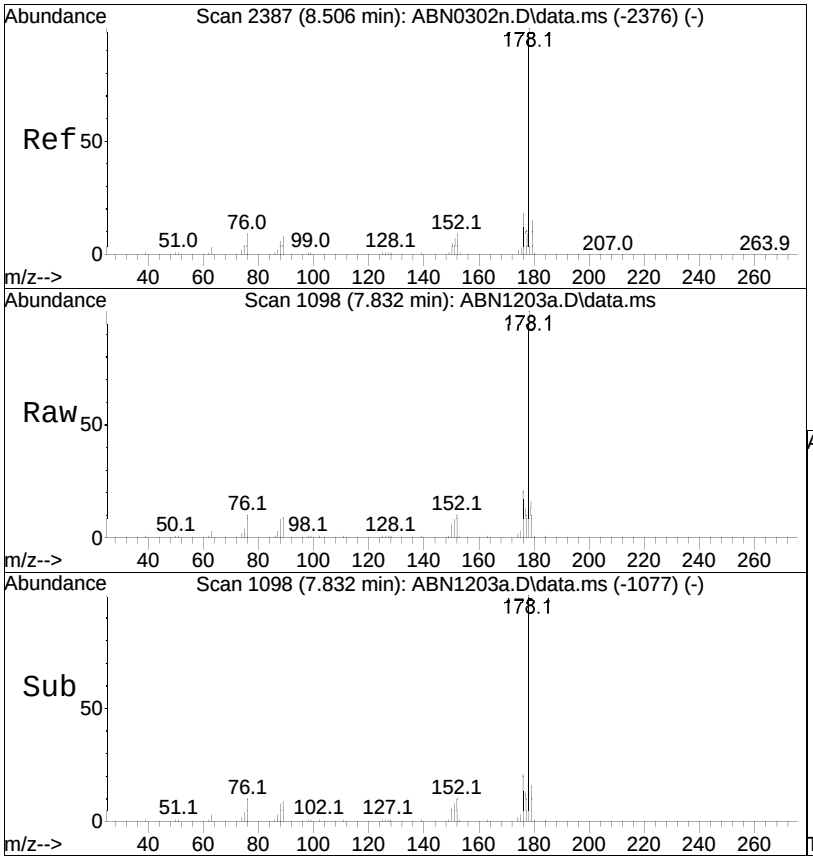


#82
Pentachlorophenol
Concen: 49.48 ug/ml
RT: 7.668 min Scan# 1070
Delta R.T. -0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:266 Resp: 183844

Ion	Ratio	Lower	Upper
266	100		
264	63.7	49.4	74.2
268	63.4	51.1	76.7

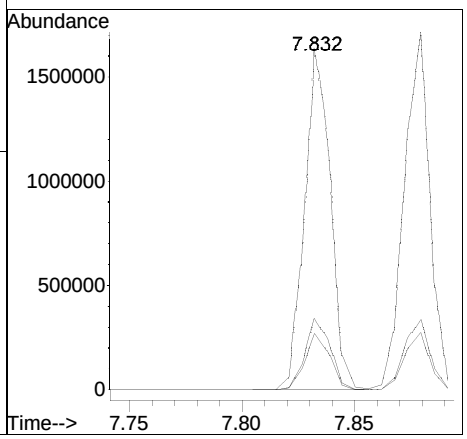


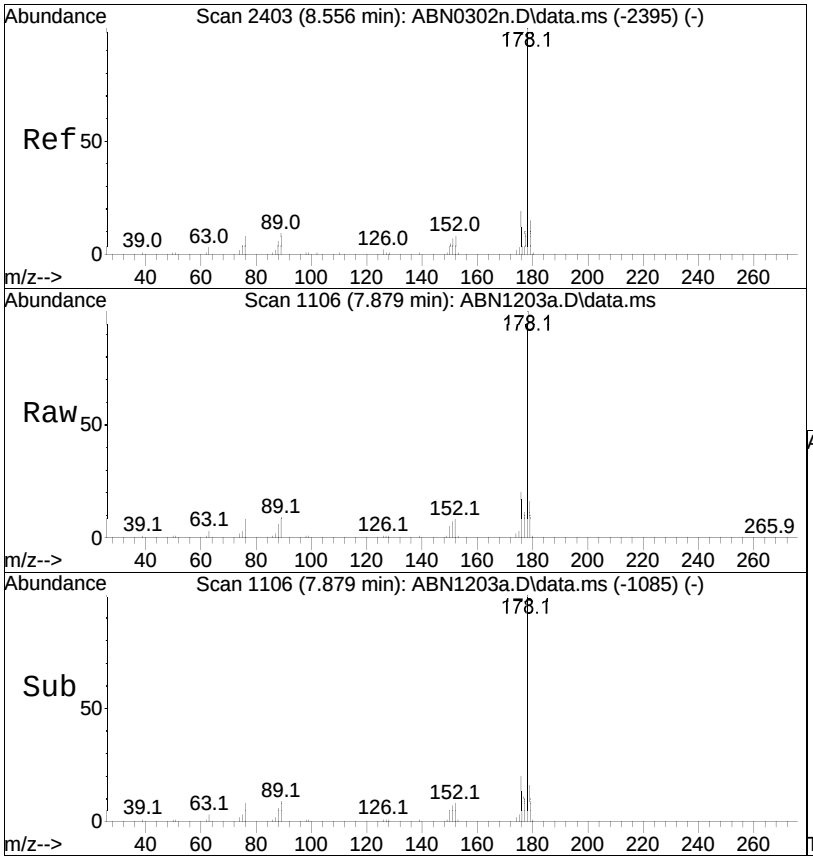


#89
Phenanthrene
Concen: 47.33 ug/ml
RT: 7.832 min Scan# 1098
Delta R.T. 0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:178 Resp: 1299455

Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.9	19.3
176	20.6	16.7	25.1

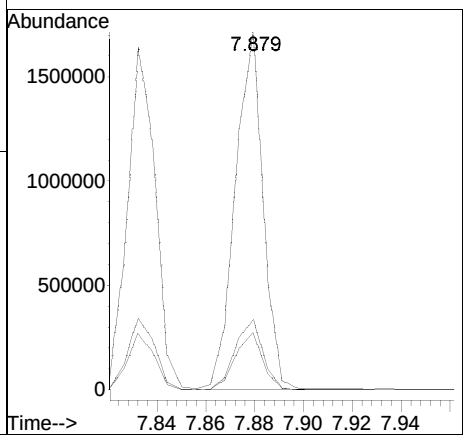


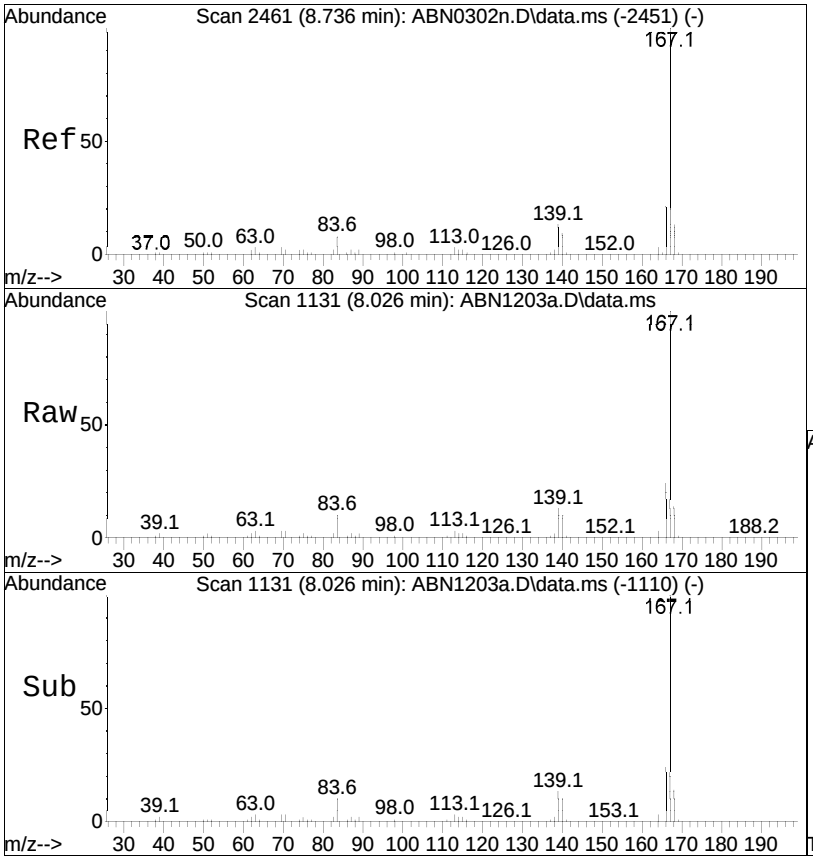


#90
Anthracene
Concen: 47.18 ug/ml
RT: 7.879 min Scan# 1106
Delta R.T. -0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:178 Resp: 1352937

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.7	19.1
176	19.8	16.6	24.8

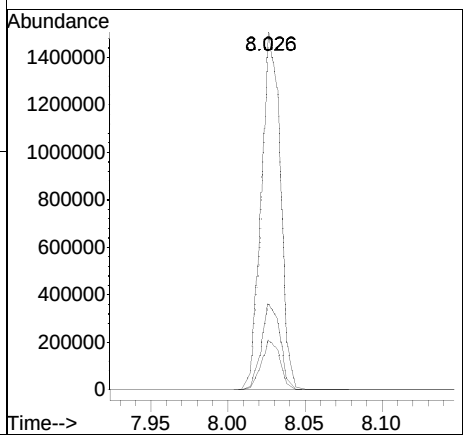


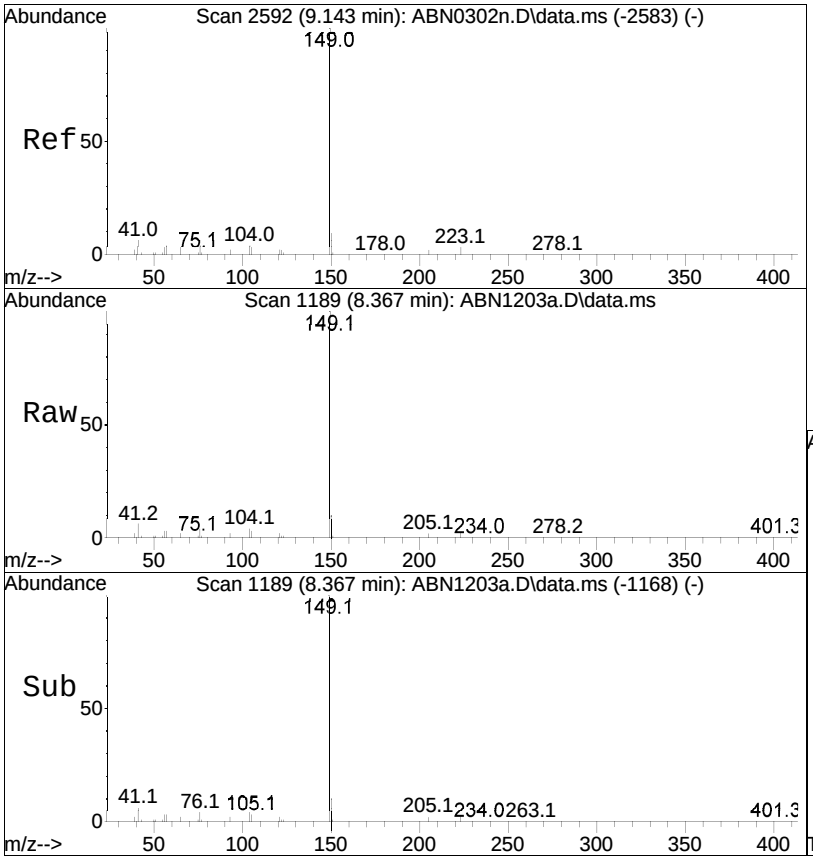


#91
Carbazole
Concen: 48.48 ug/ml
RT: 8.026 min Scan# 1131
Delta R.T. 0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:167 Resp: 1280989

Ion	Ratio	Lower	Upper
167	100		
168	13.8	11.3	16.9
166	24.0	18.9	28.3

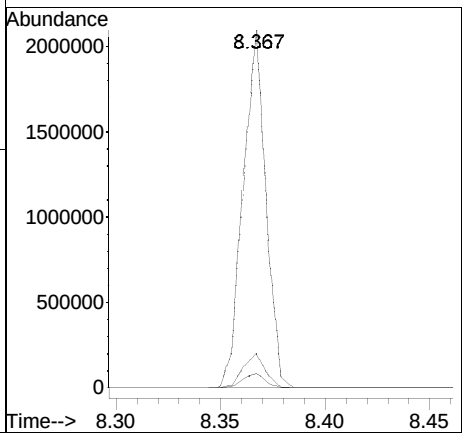


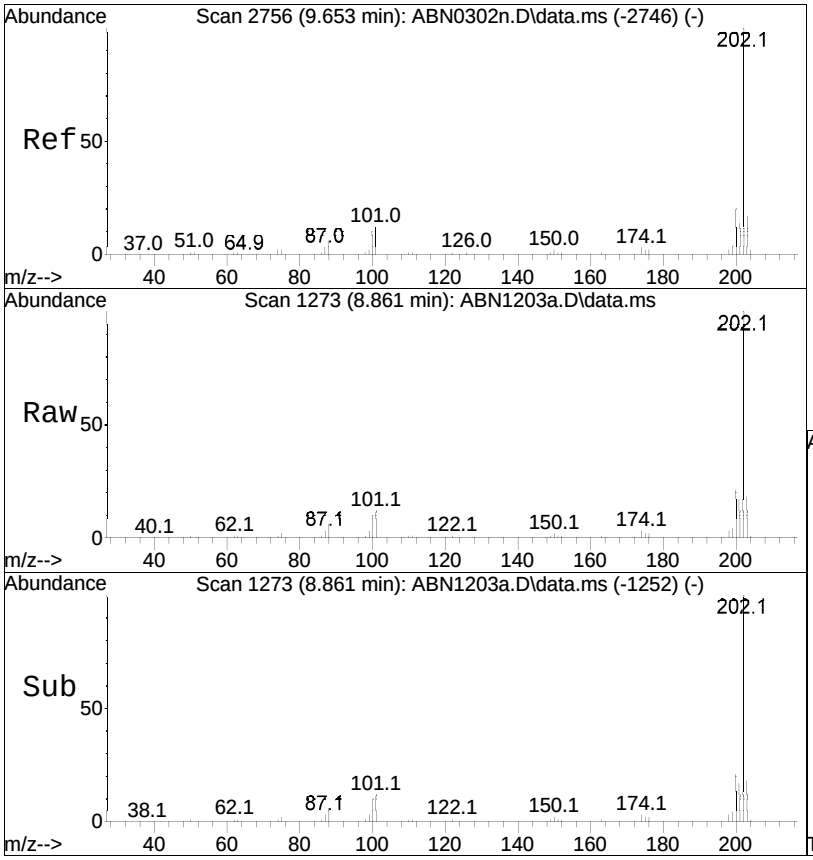


#92
Di-n-butylphthalate
Concen: 49.57 ug/ml
RT: 8.367 min Scan# 1189
Delta R.T. 0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:149 Resp: 1566221

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.8	11.6
104	4.2	4.8	7.2#

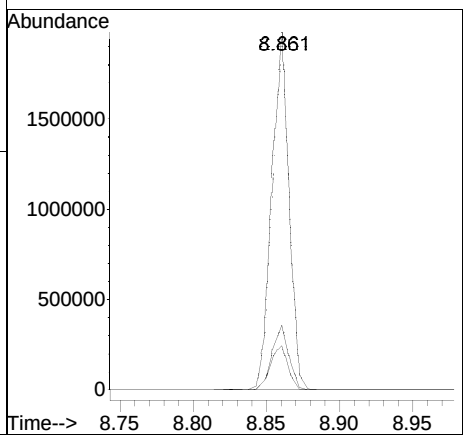


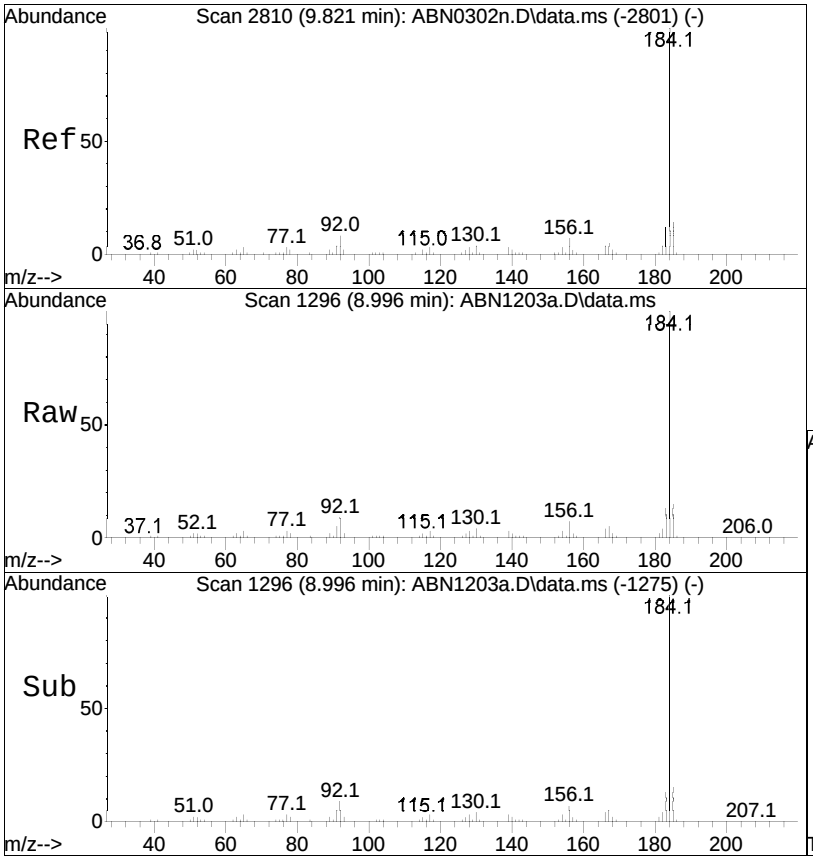


#93
Fluoranthene
Concen: 47.79 ug/ml
RT: 8.861 min Scan# 1273
Delta R.T. 0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:202 Resp: 1584995

Ion	Ratio	Lower	Upper
202	100		
101	13.0	18.6	28.0#
203	17.9	14.2	21.2

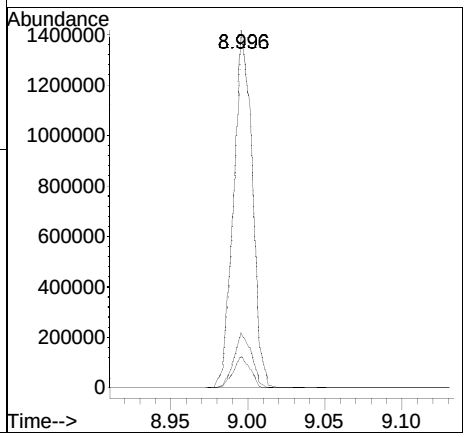


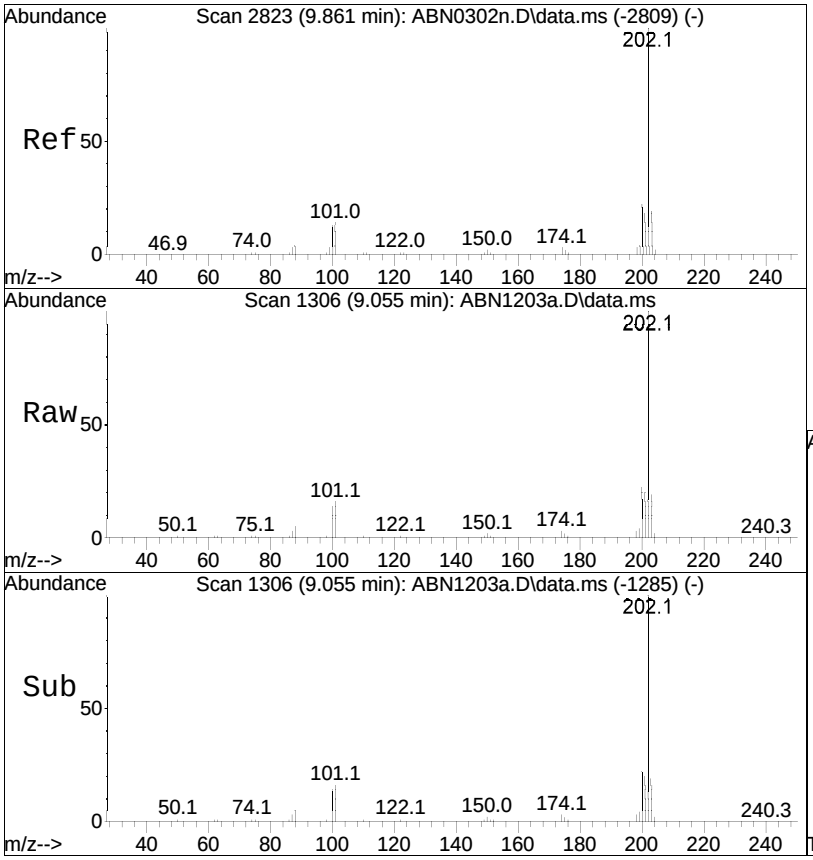


#94
Benzidine
Concen: 56.53 ug/ml
RT: 8.996 min Scan# 1296
Delta R.T. 0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:184 Resp: 1184625

Ion	Ratio	Lower	Upper
184	100		
92	8.3	11.7	17.5#
185	14.9	12.8	19.2

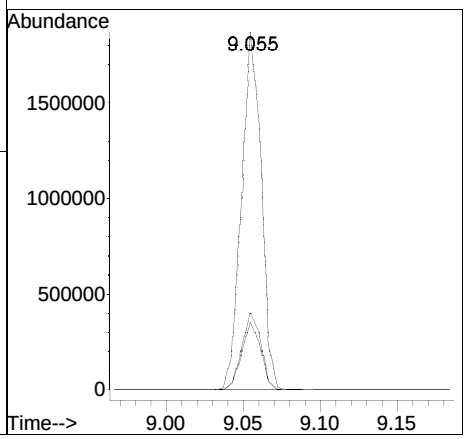


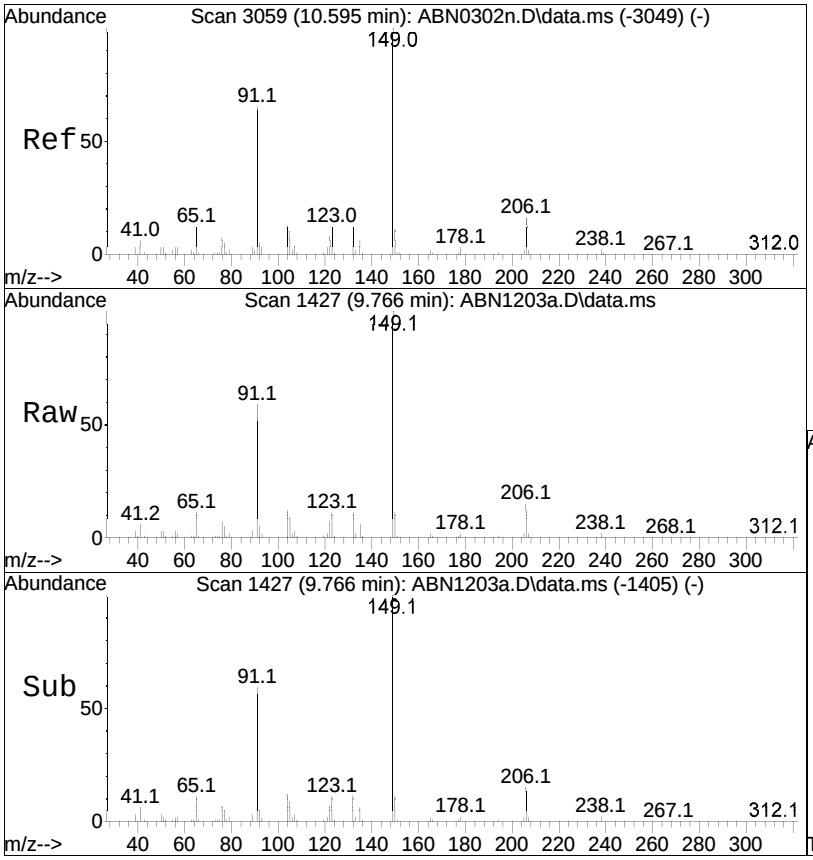


#95
Pyrene
Concen: 46.82 ug/ml
RT: 9.055 min Scan# 1306
Delta R.T. -0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:202 Resp: 1635764

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.8	26.8
203	18.6	14.7	22.1

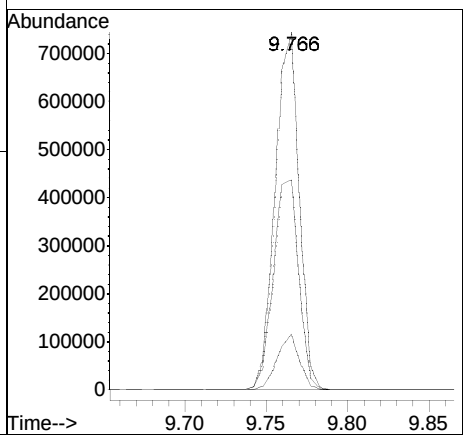


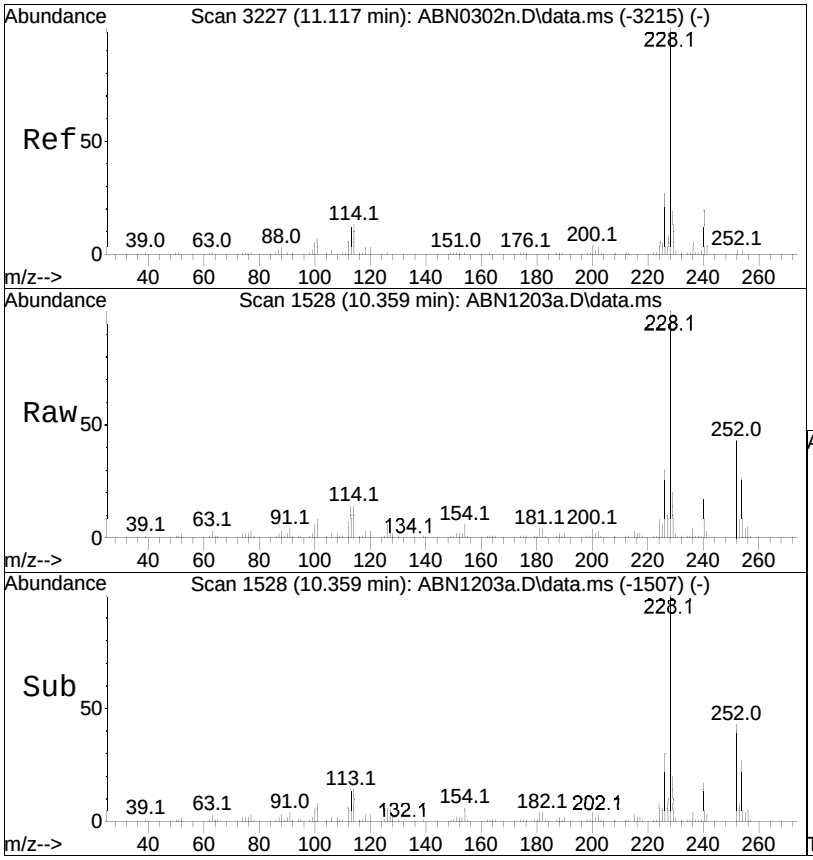


#97
Butyl benzyl phthalate
Concen: 52.62 ug/ml
RT: 9.766 min Scan# 1427
Delta R.T. 0.006 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:149 Resp: 751495

Ion	Ratio	Lower	Upper
149	100		
91	61.9	69.0	103.6#
206	14.6	11.8	17.8

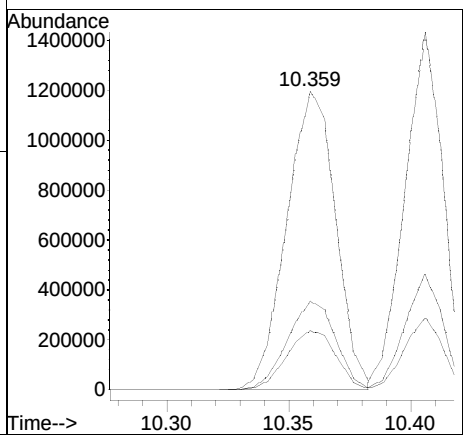


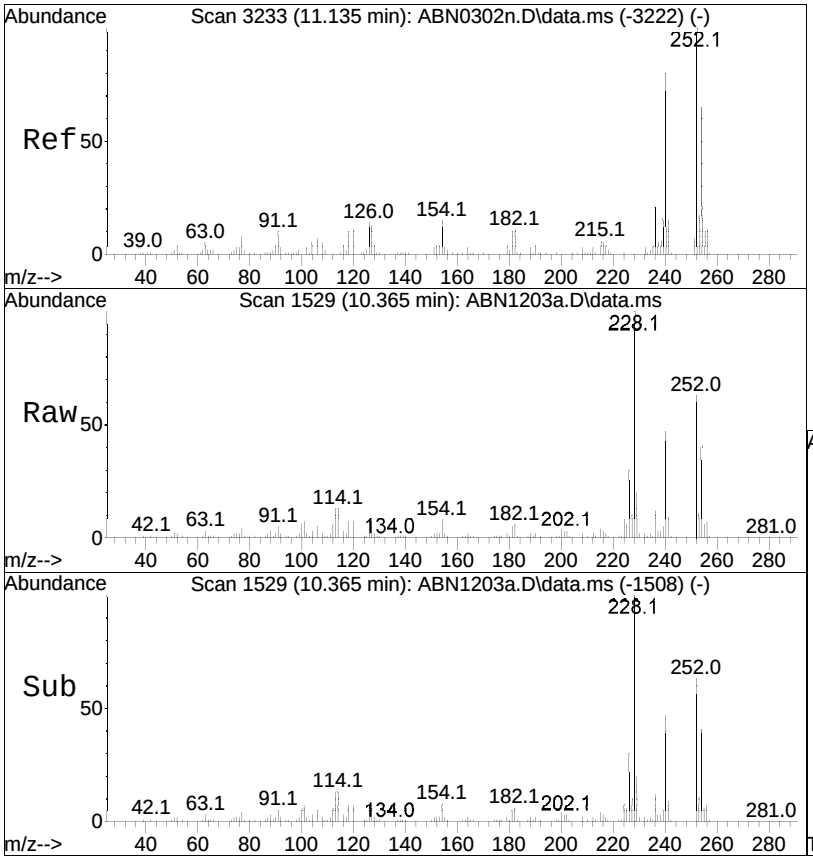


#105
Benzo(a)anthracene
Concen: 47.59 ug/ml
RT: 10.359 min Scan# 1528
Delta R.T. 0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:228 Resp: 1667550

Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.7	35.5
229	20.0	16.2	24.4

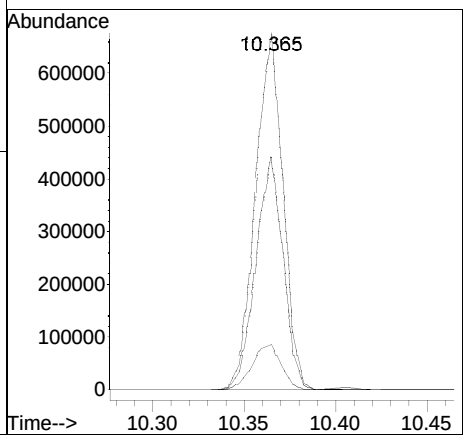


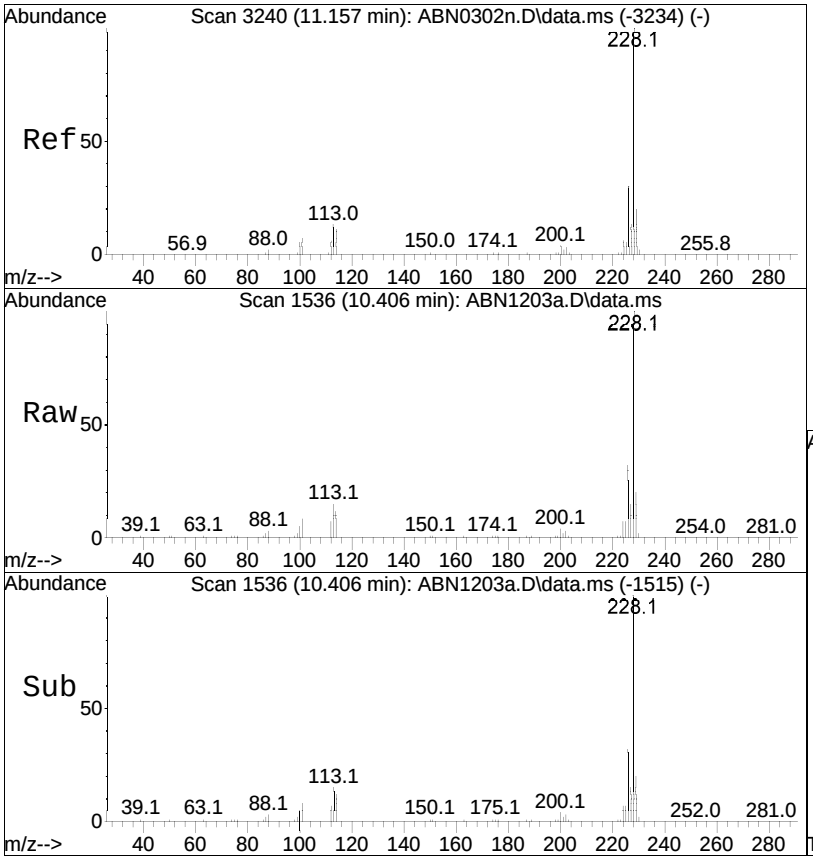


#106
3,3'-Dichlorobenzidine
Concen: 53.56 ug/ml
RT: 10.365 min Scan# 1529
Delta R.T. 0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:252 Resp: 700633

Ion	Ratio	Lower	Upper
252	100		
126	13.7	17.8	26.6#
254	65.2	51.8	77.6

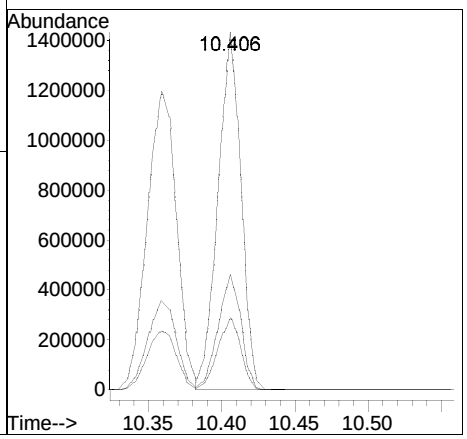


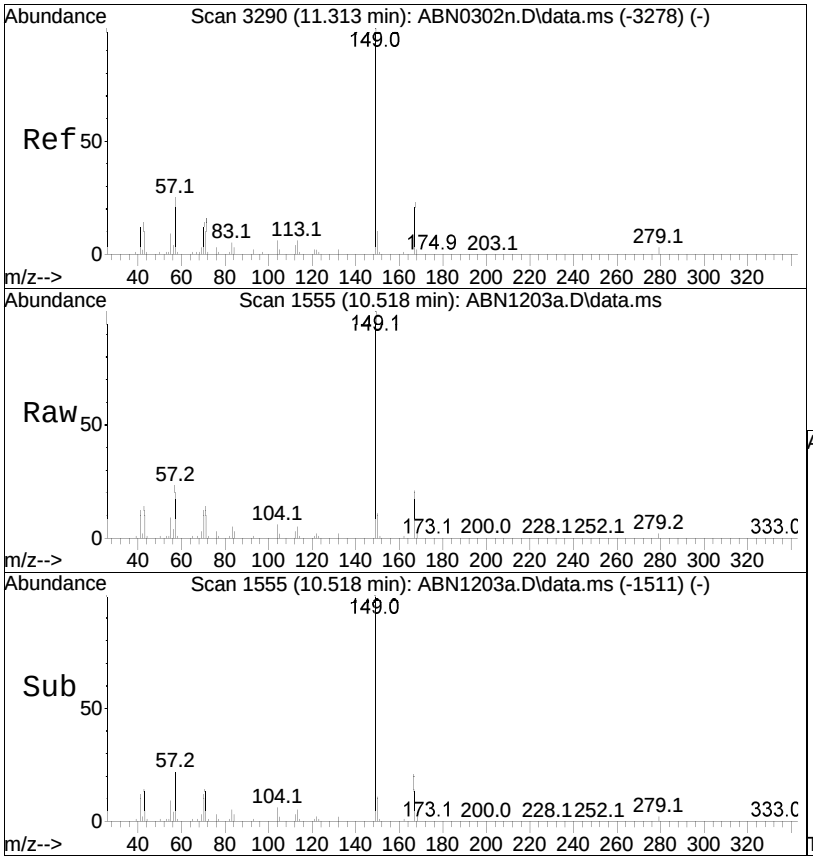


#107
Chrysene
Concen: 47.85 ug/ml
RT: 10.406 min Scan# 1536
Delta R.T. -0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:228 Resp: 1564850

Ion	Ratio	Lower	Upper
228	100		
226	32.0	25.9	38.9
229	20.3	16.2	24.4

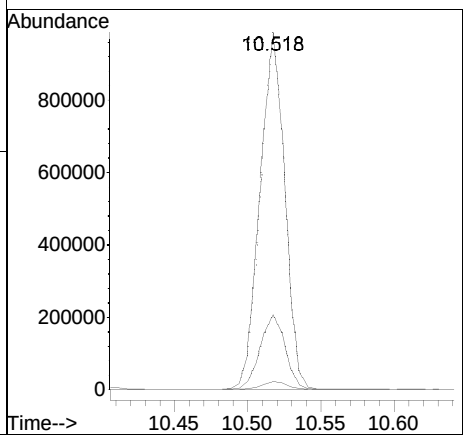


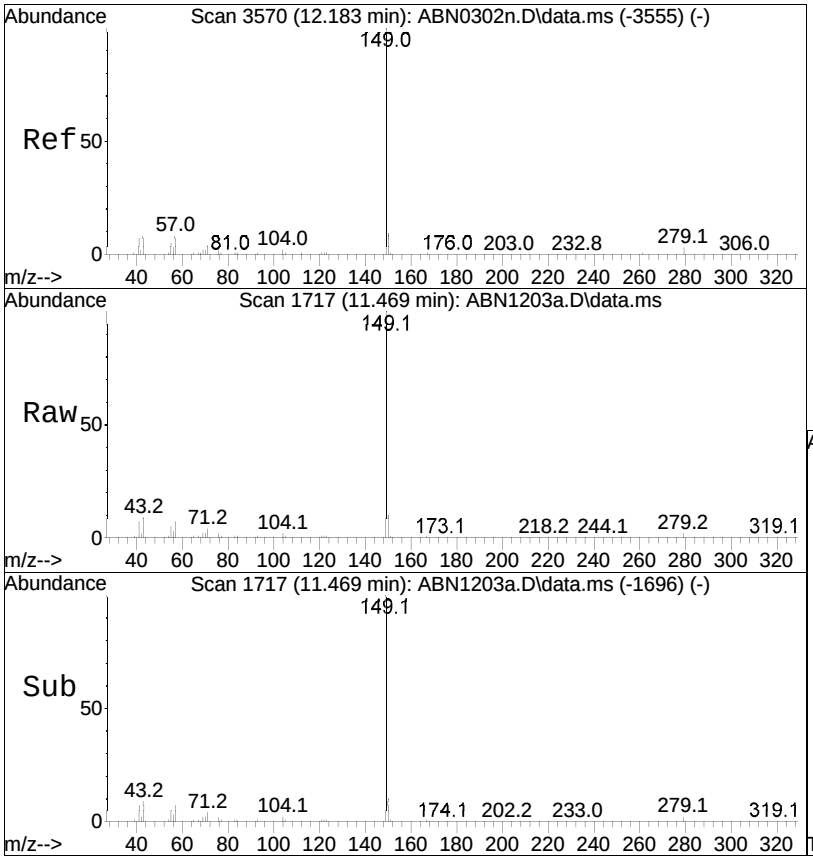


#108
Bis(2-ethylhexyl)phthalate
Concen: 53.55 ug/ml
RT: 10.518 min Scan# 1555
Delta R.T. 0.006 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:149 Resp: 1138876

Ion	Ratio	Lower	Upper
149	100		
167	21.5	21.0	31.4
279	2.1	3.6	5.4#

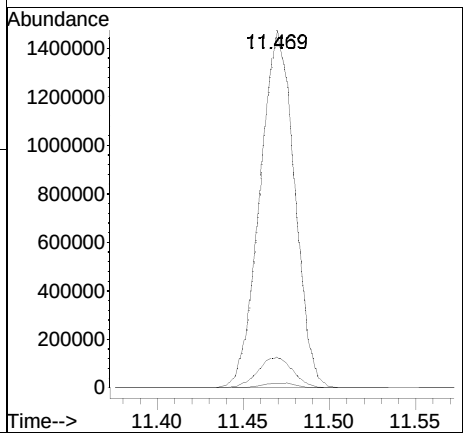


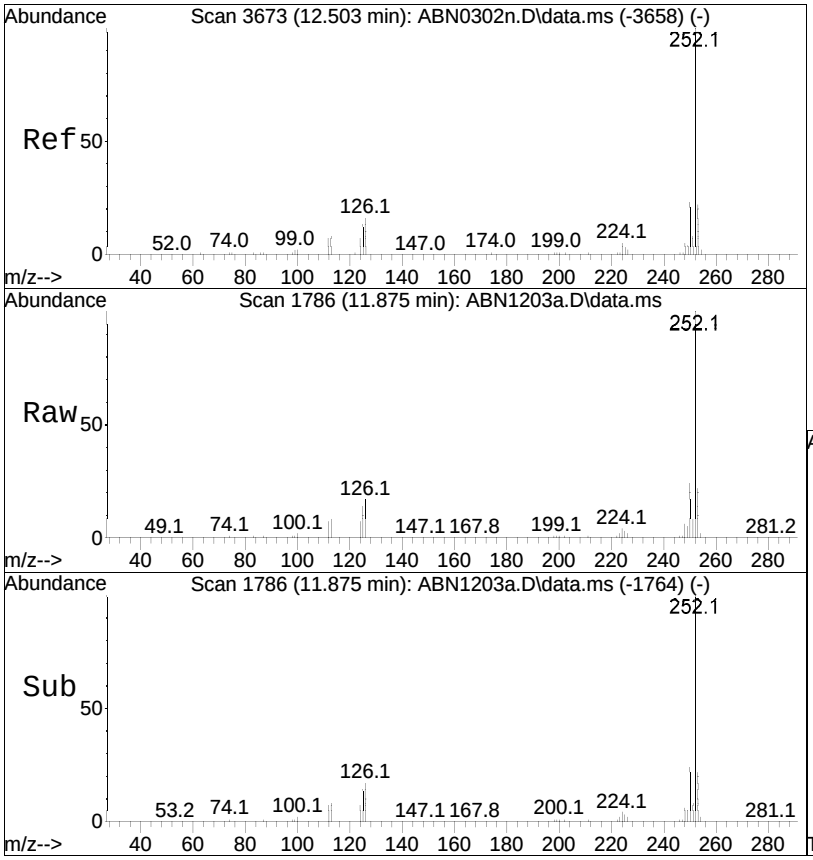


#109
Di-n-octylphthalate
Concen: 55.76 ug/ml
RT: 11.469 min Scan# 1717
Delta R.T. 0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:149 Resp: 2031147

Ion	Ratio	Lower	Upper
149	100		
43	8.7	8.4	12.6
167	1.3	1.0	1.6

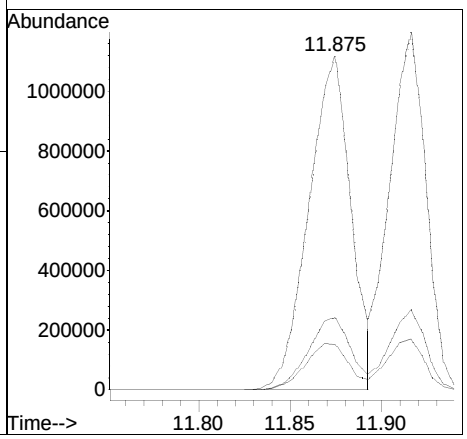


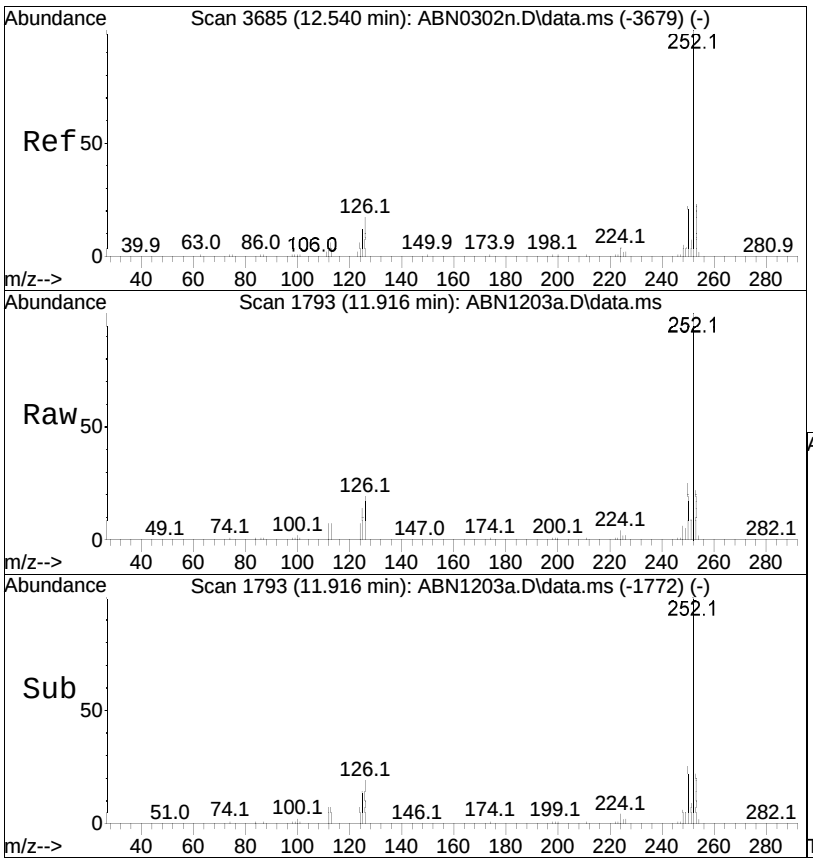


#110
Benzo(b)fluoranthene
Concen: 50.56 ug/ml
RT: 11.875 min Scan# 1786
Delta R.T. 0.006 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:252 Resp: 1794034

Ion	Ratio	Lower	Upper
252	100		
125	14.7	16.9	25.3#
253	22.2	17.7	26.5

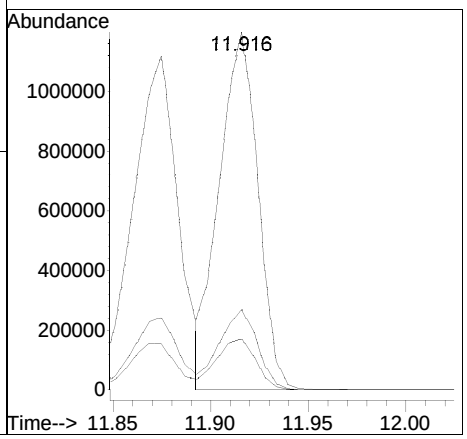


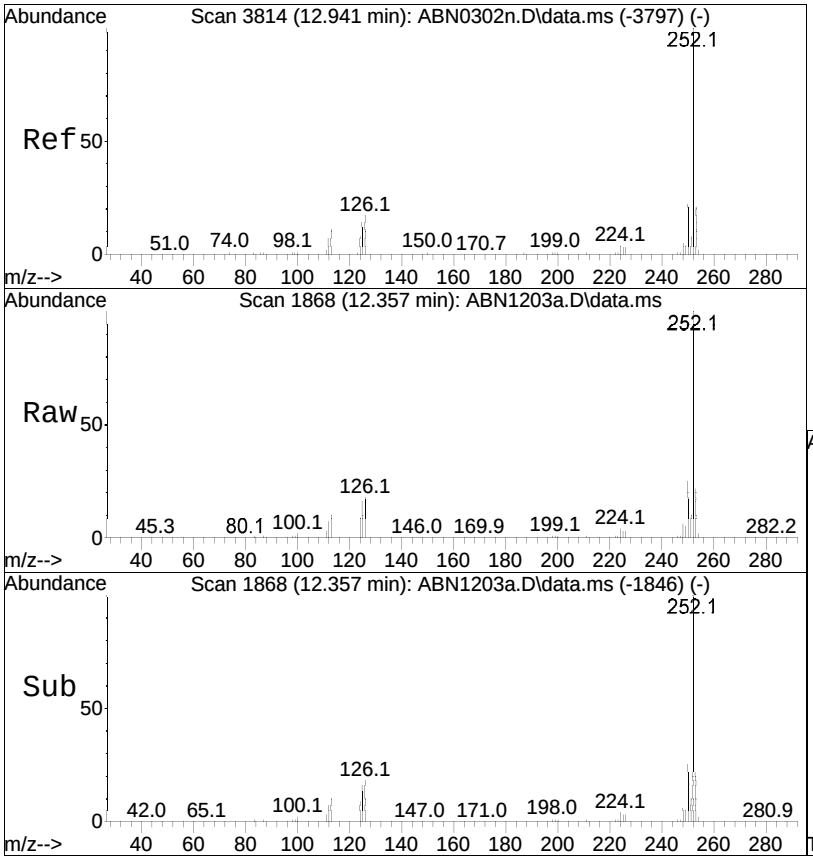


#111
Benzo(k)fluoranthene
Concen: 49.43 ug/ml
RT: 11.916 min Scan# 1793
Delta R.T. 0.000 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:252 Resp: 1644529

Ion	Ratio	Lower	Upper
252	100		
125	14.6	16.6	25.0#
253	22.1	17.7	26.5

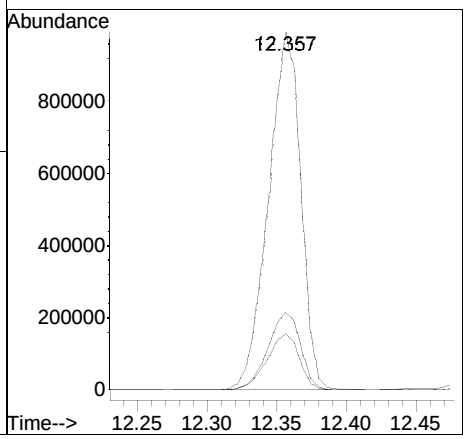


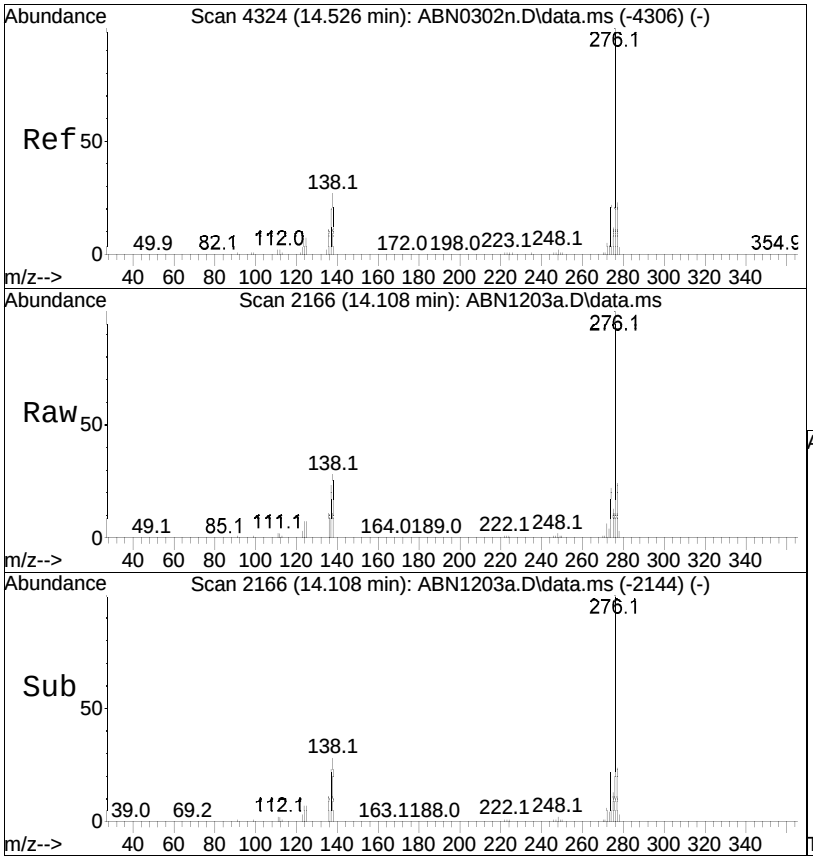


#112
Benzo(a)pyrene
Concen: 52.49 ug/ml
RT: 12.357 min Scan# 1868
Delta R.T. 0.006 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:252 Resp: 1580198

Ion	Ratio	Lower	Upper
252	100		
125	15.8	18.3	27.5#
253	22.1	17.6	26.4

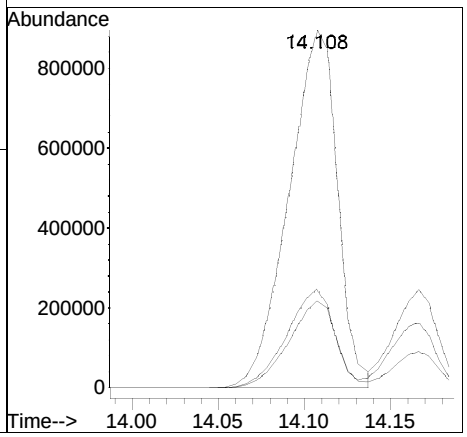


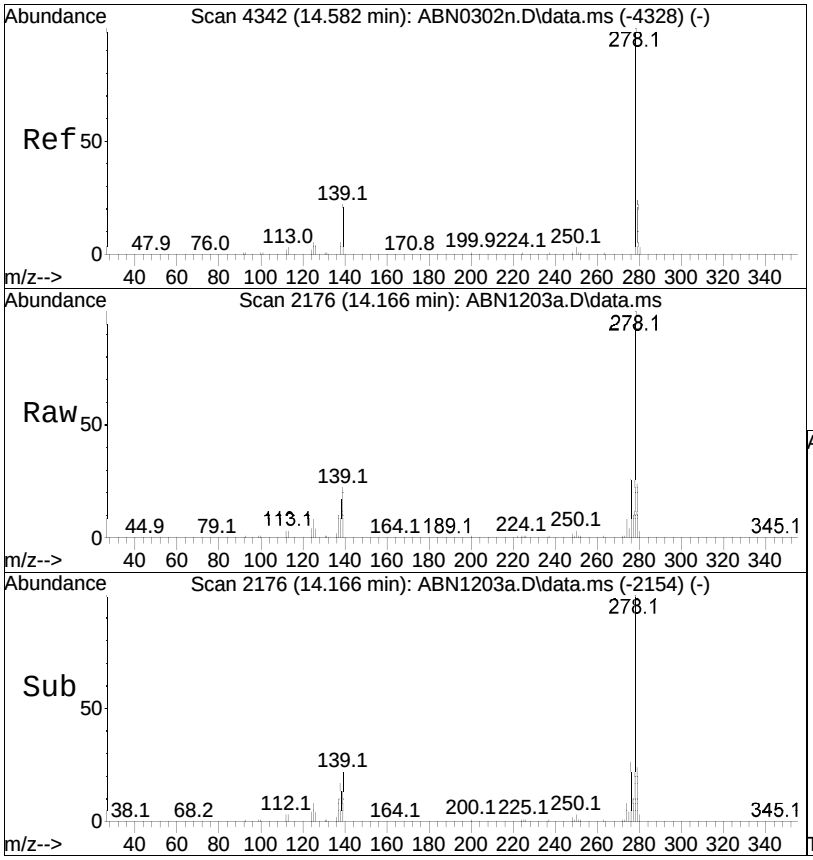


#114
Indeno(1,2,3-cd)pyrene
Concen: 52.78 ug/mL
RT: 14.108 min Scan# 2166
Delta R.T. 0.006 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:276 Resp: 1744929

Ion	Ratio	Lower	Upper
276	100		
138	27.2	29.6	44.4#
277	24.2	19.1	28.7

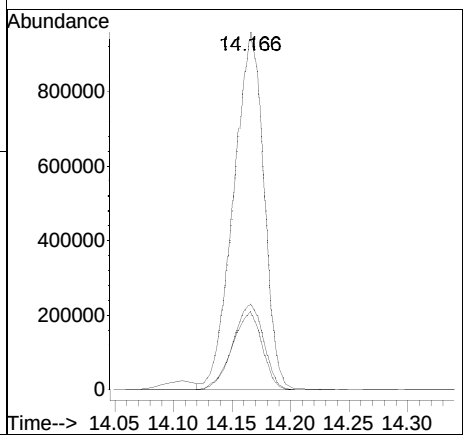


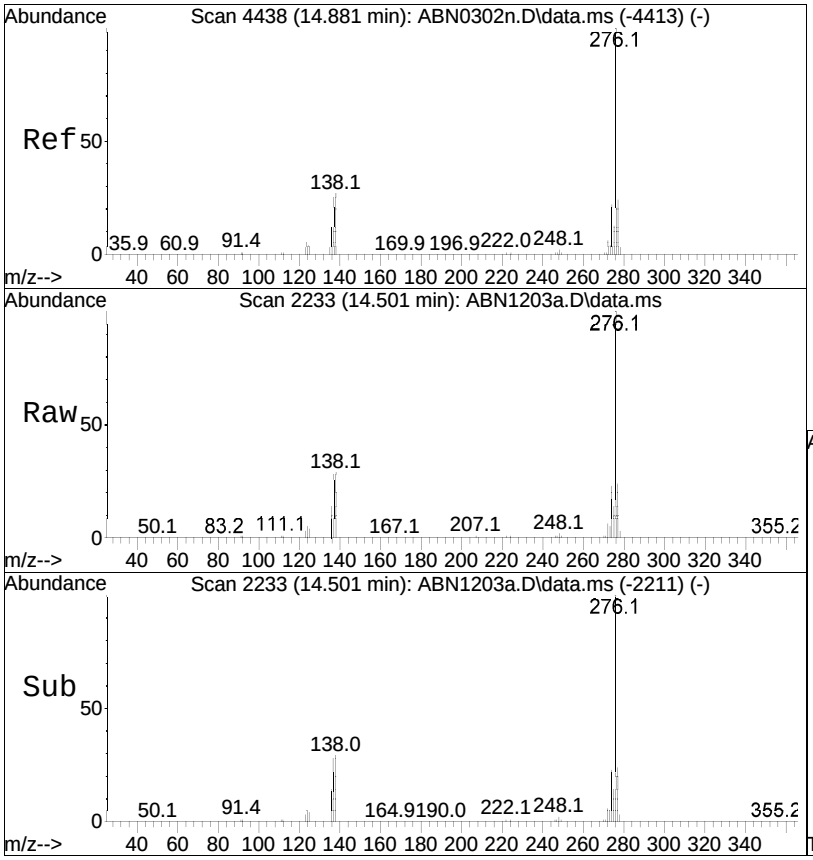


#115
Dibenzo(a,h)anthracene
Concen: 50.68 ug/ml
RT: 14.166 min Scan# 2176
Delta R.T. 0.006 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:278 Resp: 1713695

Ion	Ratio	Lower	Upper
278	100		
139	21.9	24.7	37.1#
279	24.5	19.6	29.4

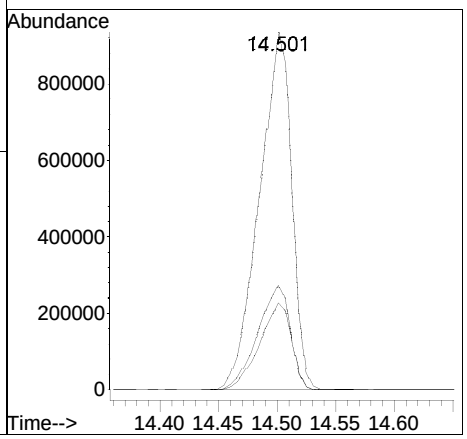




#116
Benzo(ghi)perylene
Concen: 50.41 ug/ml
RT: 14.501 min Scan# 2233
Delta R.T. 0.006 min
Lab File: ABN1203a.D
Acq: 3 Dec 2020 8:49 am

Tgt Ion:276 Resp: 1782570

Ion	Ratio	Lower	Upper
276	100		
138	29.5	43.5	65.3#
277	24.3	22.6	33.8



Manual Integration Report

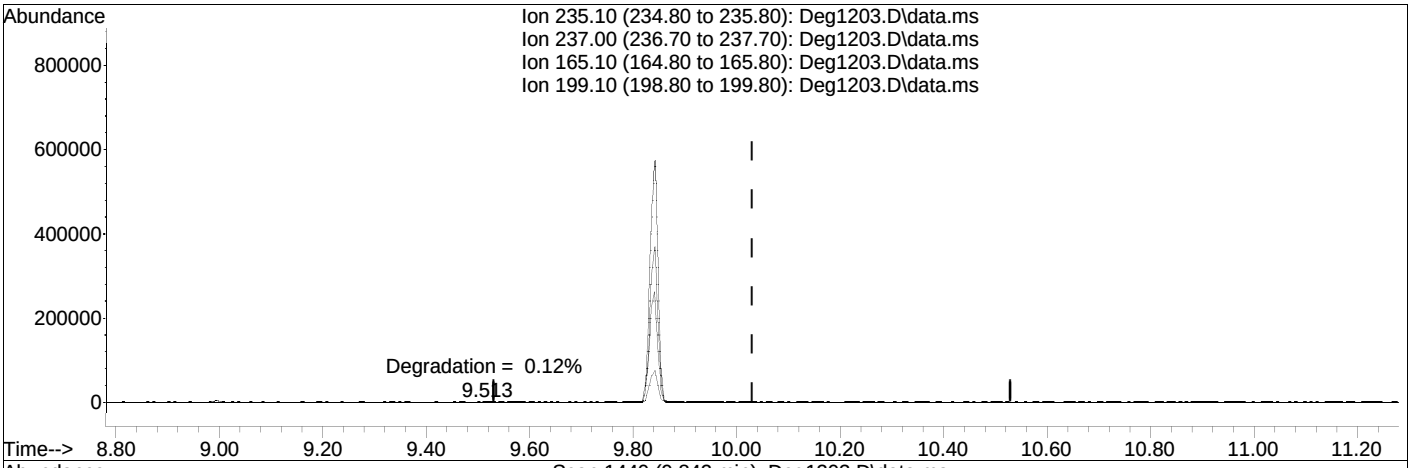
Data Path	: I:\8270\Buffy\201203\	QMethod	: FS201120buffy.m
Data File	: ABN1203a.D	Operator	: Buffy:im
Date Inj'd	: 12/3/2020 8:49 am	Instrument	: Buffy
Sample	: wg1440617-3,32,,ABN CCV Lo	Quant Date	: 12/3/2020 9:06 am

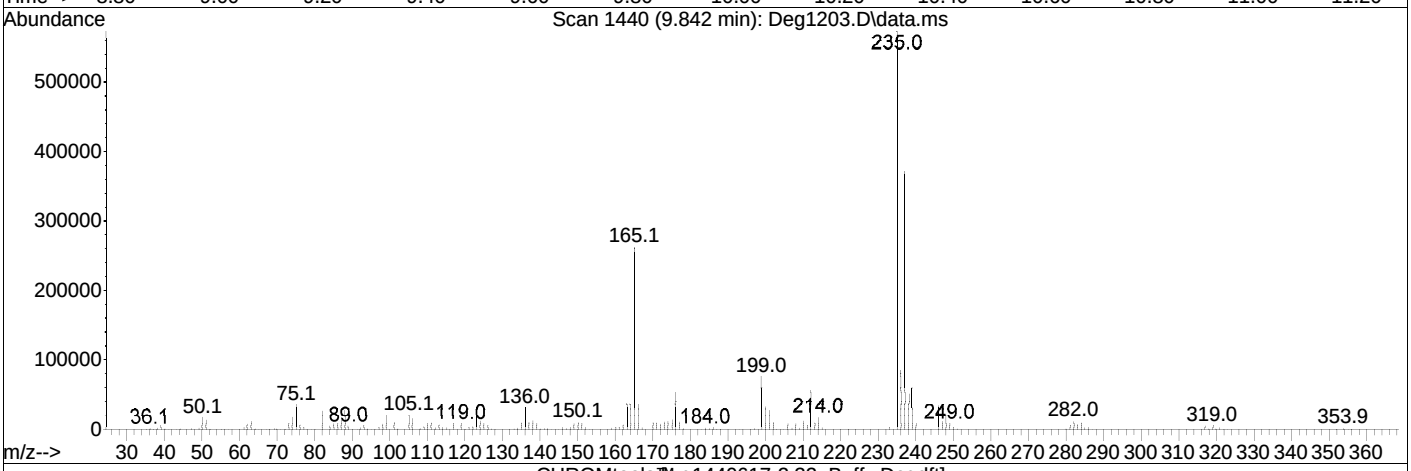
There are no manual integrations or false positives in this file.

Quantitation Report (Qedit)

Data Path : I:\8270\Buffy\201203\
Data File : Deg1203.D
Acq On : 3 Dec 2020 7:08 am
Operator : Buffy:im
Sample : wg1440617-2,32,,Buffy Degdft
Misc : wg1440617,,ical17377
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Dec 03 07:30:27 2020
Quant Method : I:\8270\Buffy\201203\dftppbuffy.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 24 16:45:20 2020
Response via : Initial Calibration





CHROMtools [wg1440617-2,32,,Buffy Degdft]

(6) DDT (T)

9.842min (-0.188) 96.36 Lin

response 587393

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	64.90	64.44
165.10	47.80	46.44

Duplicate Retention Times

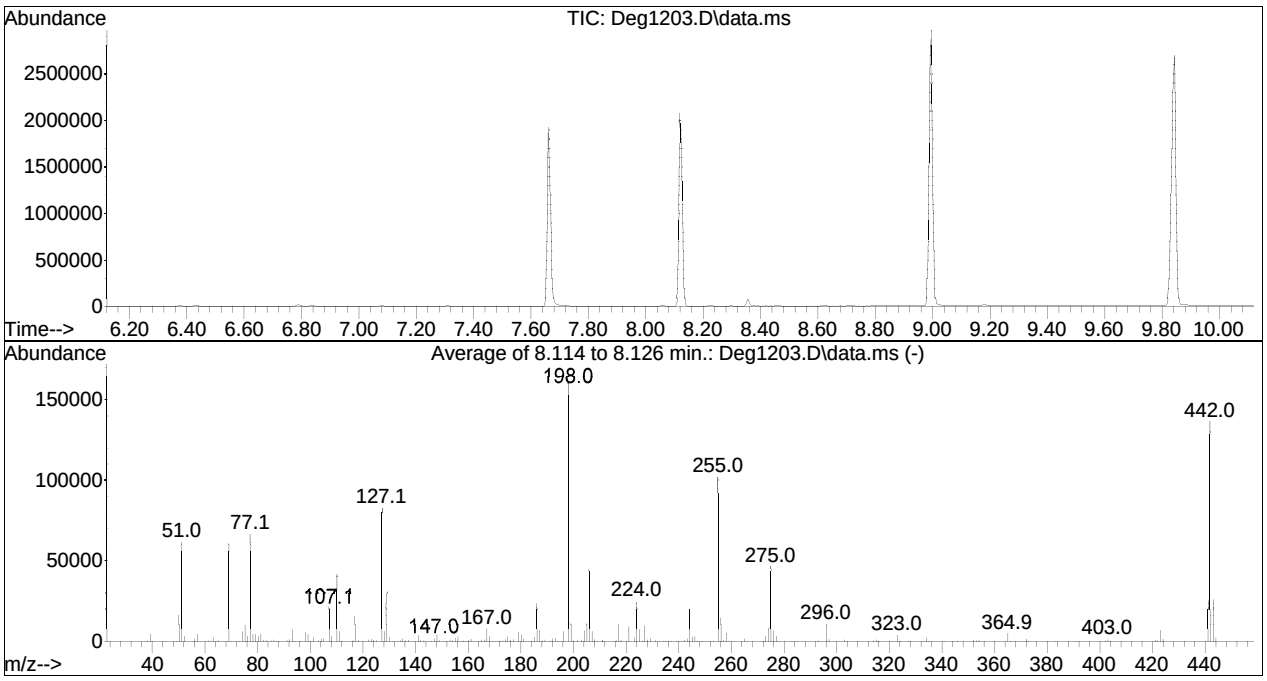
(4) DDE 246.00

(5) DDD 235.00

Data Path : I:\8270\Buffy\201203\
Data File : Deg1203.D
Acq On : 3 Dec 2020 7:08 am
Operator : Buffy:im
Sample : wg1440617-1,32,,Buffy Degdft
Misc : wg1440617,,ical17377
ALS Vial : 100 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\Buffy\201203\FS201120buffy.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Dec 03 02:13:16 2020



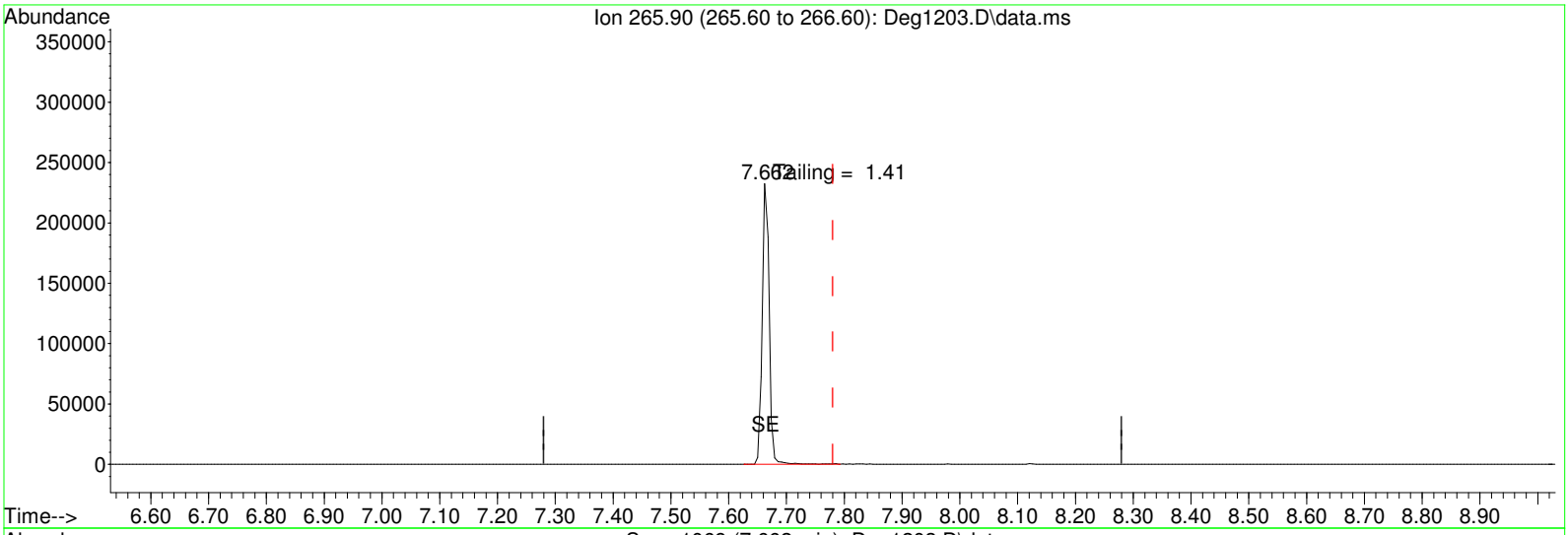
Spectrum Information: Average of 8.114 to 8.126 min.

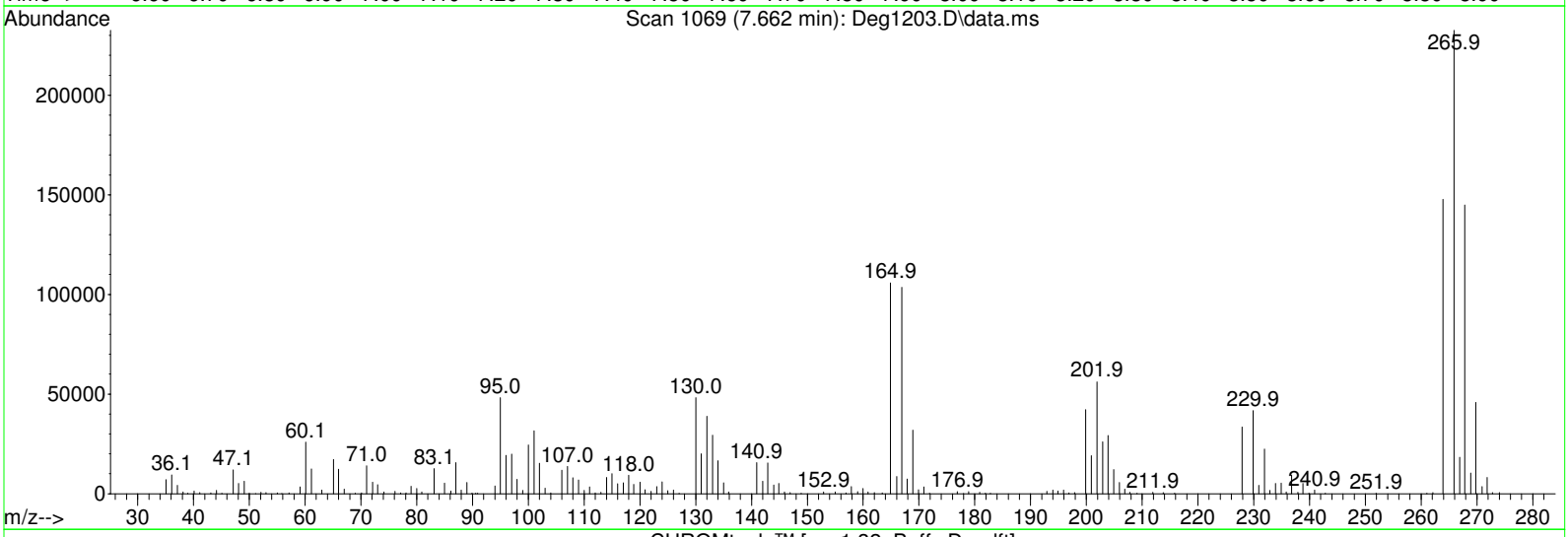
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	37.6	61484	PASS
68	69	0.00	2	0.0	0	PASS
69	69	100	100	100.0	60987	PASS
70	69	0.00	2	0.7	428	PASS
127	198	10	80	50.4	82531	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	163667	PASS
199	198	5	9	6.7	10924	PASS
275	198	10	60	28.3	46280	PASS
365	198	1	100	3.0	4892	PASS
441	442	0.01	24	18.9	25707	PASS
442	198	50	100	83.3	136328	PASS
443	442	15	24	19.2	26185	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\Buffy\201203\
Data File : Deg1203.D
Acq On : 3 Dec 2020 7:08 am
Operator : Buffy:
Sample : wg-1,32,,Buffy Degdft
Misc : wg,wg,ical
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Dec 03 07:30:27 2020
Quant Method : I:\8270\Buffy\201203\dftppbuffy.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 24 16:45:20 2020
Response via : Initial Calibration





CHROMtools™ [wg-1,32,,Buffy Degdft]

(1) Pentachlorophenol (T)

7.662min (-0.118) 92.71 Lin

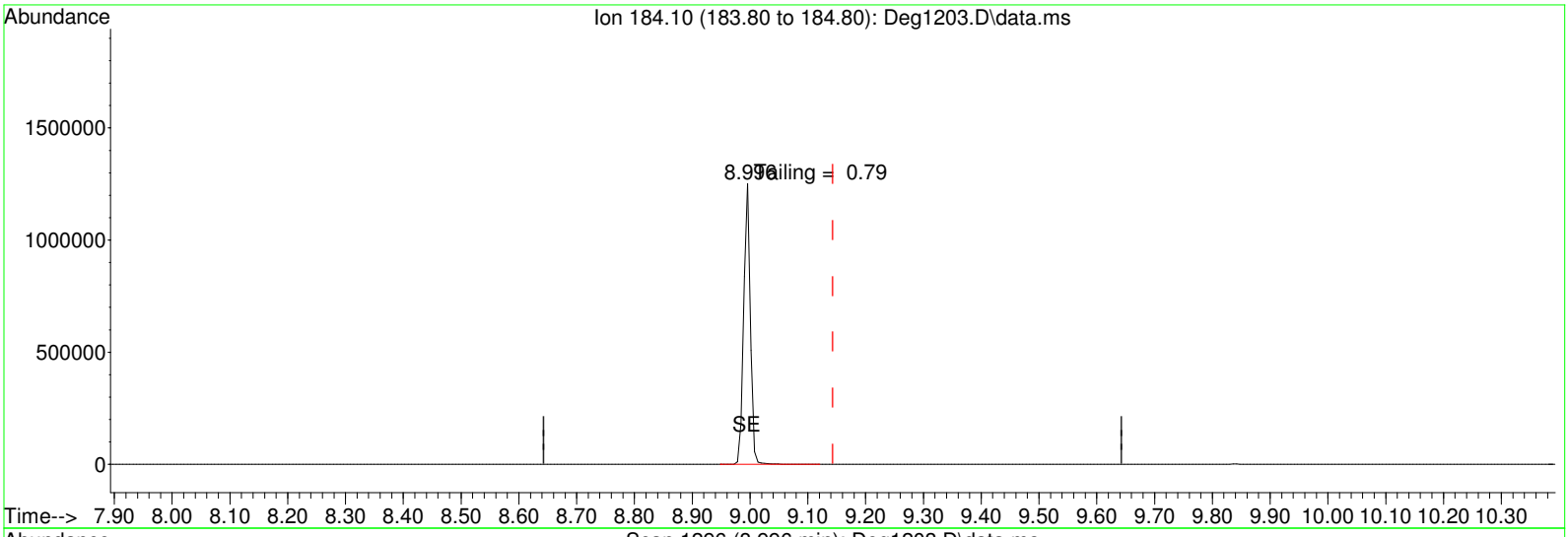
response 194714

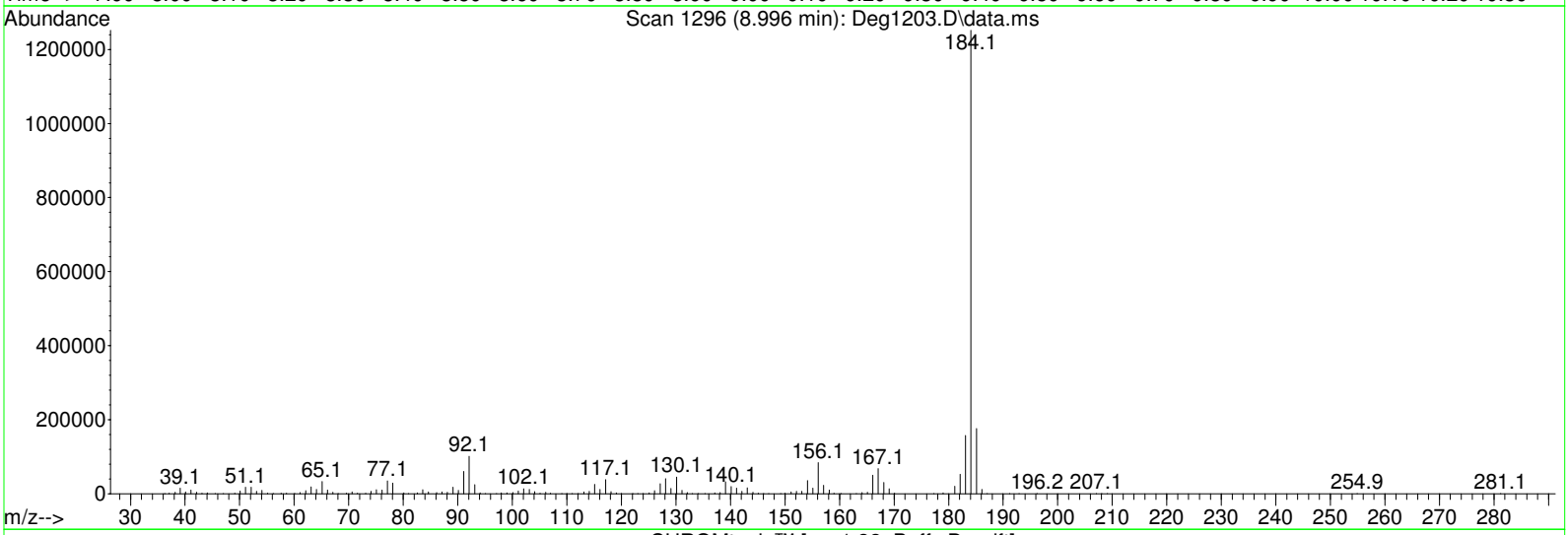
Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\Buffy\201203\
Data File : Deg1203.D
Acq On : 3 Dec 2020 7:08 am
Operator : Buffy:
Sample : wg-1,32,,Buffy Degdft
Misc : wg,wg,ical
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Dec 03 07:30:27 2020
Quant Method : I:\8270\Buffy\201203\dftppbuffy.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 24 16:45:20 2020
Response via : Initial Calibration





CHROMtools™ [wg-1,32,,Buffy Degdft]

(3) Benzidine (T)

8.996min (-0.147) 99.92 Lin

response 1017201

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\GCMS5\201207\
Data File : ABN1207.d
Acq On : 7 Dec 2020 8:56 am
Operator : GCMS5:sz
Sample : wg1441843-3,32,,ABN CCV Lot # 9037
Misc : wg1441843,,ical16639
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Dec 07 09:15:41 2020
Quant Method : i:\8270\GCMS5\201207\FS200401gcms5.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 07 04:47:01 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	IS1_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	79	0.00
2	t	n-Nitrosodimethylamine	0.705	0.713	-1.1	78	0.00
3	t	Pyridine	1.239	1.238	0.1	74	0.00
4	S	2-Fluorophenol	1.102	1.166	-5.8	79	0.00
5	T	Aniline	1.787	1.837	-2.8	80	0.00
6	t	2-Chlorophenol	1.282	1.307	-2.0	79	0.00
7	S	Phenol-d6	1.366	1.409	-3.1	81	0.00
8	T	Phenol	1.639	1.480	9.7	70	0.00
9	T	Bis(2-chloroethyl)ether	1.055	1.037	1.7	78	0.00
10	T	1,3-Dichlorobenzene	1.498	1.455	2.9	76	0.00
11	T	1,4-Dichlorobenzene	1.550	1.474	4.9	75	0.00
12	T	1,2-Dichlorobenzene	1.492	1.430	4.2	77	0.00
13	t	Benzyl alcohol	0.928	0.963	-3.8	79	0.00
14	T	Bis(2-chloroisopropyl)ether	1.977	1.715	13.3	70	0.00
15	T	2-Methylphenol	1.095	1.083	1.1	76	0.00
16	T	Hexachloroethane	0.603	0.570	5.5	77	0.00
17	T	n-Nitrosodi-n-propylamine	0.819	0.827	-1.0	78	0.00
18	T	3-Methylphenol/4-Methylphen	1.177	1.143	2.9	77	0.00
19	S	Nitrobenzene-d5	1.235	1.267	-2.6	79	0.00
20	T	Nitrobenzene	1.247	1.205	3.4	76	0.00
21	T	Isophorone	2.162	2.232	-3.2	78	0.00
22	T	2-Nitrophenol	0.714	0.757	-6.0	83	0.00
23	T	2,4-Dimethylphenol	1.149	1.189	-3.5	81	0.00
24	T	Bis(2-chloroethoxy)methane	1.415	1.433	-1.3	83	0.00
25	T	2,4-Dichlorophenol	1.210	1.243	-2.7	80	0.00
26	T	1,2,4-Trichlorobenzene	1.425	1.357	4.8	79	0.00
35	I	IS1_Naphthalene-d8	1.000	1.000	0.0	83	0.00
36	T	Naphthalene	1.022	0.974	4.7	78	0.00
37	T	Benzoic Acid	* 50.000	54.631	-9.3	93	0.00
38	T	4-Chloroaniline	0.126	0.119	5.6	76	0.00
39	T	Hexachlorobutadiene	0.218	0.216	0.9	80	0.00
40	T	p-Chloro-m-cresol	0.294	0.296	-0.7	78	0.00
41	T	2-Methylnaphthalene	0.726	0.693	4.5	78	0.00
42	T	1-Methylnaphthalene	0.231	0.207	10.4	74	0.00
43	T	Hexachlorocyclopentadiene	0.304	0.247	18.8	67	0.00
44	T	2,4,6-Trichlorophenol	0.257	0.280	-8.9	86	0.00
45	T	2,4,5-Trichlorophenol	0.282	0.295	-4.6	83	0.00
46	S	2-Fluorobiphenyl	0.793	0.819	-3.3	84	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\GCMS5\201207\
Data File : ABN1207.d
Acq On : 7 Dec 2020 8:56 am
Operator : GCMS5:sz
Sample : wg1441843-3,32,,ABN CCV Lot # 9037
Misc : wg1441843,,ical16639
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Dec 07 09:15:41 2020
Quant Method : i:\8270\GCMS5\201207\FS200401gcms5.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 07 04:47:01 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
47	T	2-Chloronaphthalene		0.741	0.718	3.1	80	0.00
48	T	2-Nitroaniline		0.248	0.266	-7.3	87	0.00
49	T	1,4-Dinitrobenzene		0.107	0.113	-5.6	83	0.00
50	T	1,3-Dinitrobenzene		0.120	0.123	-2.5	84	0.00
51	T	Dimethyl phthalate		0.857	0.856	0.1	82	0.00
52	T	Acenaphthylene		1.125	1.207	-7.3	86	0.00
53	T	2,6-Dinitrotoluene		0.184	0.201	-9.2	85	0.00
54	T	1,2-Dinitrobenzene		0.074	0.073	1.4	82	0.00
63	I	IS1_Acenaphthene-d10		1.000	1.000	0.0	89	0.00
64	T	3-Nitroaniline		0.364	0.371	-1.9	88	0.00
65	T	Acenaphthene		1.138	1.079	5.2	85	0.00
66	T	2,4-Dinitrophenol	*	50.000	45.289	9.4	80	0.00
67	T	Dibenzofuran		1.766	1.657	6.2	83	0.00
68	T	2,4-Dinitrotoluene		0.424	0.430	-1.4	85	0.00
69	T	4-Nitrophenol		0.266	0.248	6.8	79	0.00
70	T	2,3,5,6-Tetrachlorophenol		0.427	0.421	1.4	82	0.00
71	T	2,3,4,6-Tetrachlorophenol		0.433	0.424	2.1	82	0.00
72	T	Diethyl phthalate		1.430	1.369	4.3	82	0.00
73	T	Fluorene		1.393	1.322	5.1	83	0.00
74	T	4-Chlorophenyl phenyl ether		0.667	0.631	5.4	83	0.00
75	T	4-Nitroaniline		0.376	0.371	1.3	84	0.00
76	T	4,6-Dinitro-o-cresol		0.265	0.266	-0.4	83	0.00
77	T	NDPA/DPA		1.151	1.104	4.1	83	0.00
78	T	Azobenzene		1.260	1.155	8.3	80	0.00
79	S	2,4,6-Tribromophenol		0.243	0.304	-25.1#	102	0.00
80	T	4-Bromophenyl phenyl ether		0.429	0.428	0.2	86	0.00
81	T	Hexachlorobenzene		0.501	0.559	-11.6	97	0.00
82	T	Pentachlorophenol	*	50.000	47.709	4.6	88	0.00
88	I	IS1_Phenanthrene-d10		1.000	1.000	0.0	90	0.00
89	T	Phenanthrene		1.064	1.008	5.3	84	0.00
90	T	Anthracene		1.054	1.027	2.6	83	0.00
91	T	Carbazole		0.997	0.986	1.1	85	0.00
92	T	Di-n-butylphthalate		1.165	1.194	-2.5	86	0.00
93	T	Fluoranthene		1.287	1.272	1.2	85	0.00
94	T	Benzidine		0.835	0.933	-11.7	93	0.00
95	T	Pyrene		1.331	1.319	0.9	87	0.00
96	S	4-Terphenyl-d14		0.838	0.940	-12.2	94	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\GCMS5\201207\
Data File : ABN1207.d
Acq On : 7 Dec 2020 8:56 am
Operator : GCMS5:sz
Sample : wg1441843-3,32,,ABN CCV Lot # 9037
Misc : wg1441843,,ical16639
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Dec 07 09:15:41 2020
Quant Method : i:\8270\GCMS5\201207\FS200401gcms5.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 07 04:47:01 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
97	T	Butyl benzyl phthalate	0.568	0.585	-3.0	88	0.00
104	I	IS1_Chrysene-d12	1.000	1.000	0.0	97	0.00
105	T	Benzo(a)anthracene	1.259	1.182	6.1	89	0.00
106	T	3,3'-Dichlorobenzidine	0.477	0.519	-8.8	98	0.00
107	T	Chrysene	1.209	1.118	7.5	89	0.00
108	T	Bis(2-ethylhexyl)phthalate	0.759	0.757	0.3	89	0.00
109	T	Di-n-octylphthalate	1.380	1.330	3.6	88	0.00
110	T	Benzo(b)fluoranthene	1.348	1.316	2.4	85	0.00
111	T	Benzo(k)fluoranthene	1.176	1.095	6.9	92	0.00
112	T	Benzo(a)pyrene	1.198	1.145	4.4	88	0.00
113	I	IS1_Perylene-d12	1.000	1.000	0.0	99	0.00
114	T	Indeno(1,2,3-cd)pyrene	1.188	1.194	-0.5	94	0.00
115	T	Dibenzo(a,h)anthracene	1.049	1.052	-0.3	91	0.00
116	T	Benzo(ghi)perylene	1.164	1.143	1.8	92	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\201207\
Data File : ABN1207.d
Acq On : 7 Dec 2020 8:56 am
Operator : GCMS5:sz
Sample : wg1441843-3,32,,ABN CCV Lot # 9037
Misc : wg1441843,,ical16639
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Dec 07 09:15:41 2020
Quant Method : i:\8270\GCMS5\201207\FS200401gcms5.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 07 04:47:01 2020
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.671	152	99719	40.000	ug/ml	-0.01
35) IS1_Naphthalene-d8	4.777	136	368220	40.000	ug/ml	-0.01
63) IS1_Acenaphthene-d10	6.219	164	233757	40.000	ug/ml	-0.01
88) IS1_Phenanthrene-d10	7.416	188	487166	40.000	ug/ml	0.00
104) IS1_Chrysene-d12	9.772	240	560435	40.000	ug/ml	0.00
113) IS1_Perylene-d12	11.017	264	641641	40.000	ug/ml	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	2.426	112	145297	52.904	ug/ml	-0.01
Spiked Amount 50.000	Range 15 - 110		Recovery = 105.81%			
7) Phenol-d6	3.409	99	175651	51.590	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery = 103.18%			
19) Nitrobenzene-d5	4.173	82	157985	51.304	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 205.22%#			
46) 2-Fluorobiphenyl	5.696	172	376956	51.625	ug/ml	-0.01
Spiked Amount 25.000	Range 30 - 130		Recovery = 206.50%#			
79) 2,4,6-Tribromophenol	6.860	330	88851	62.501	ug/ml	-0.01
Spiked Amount 50.000	Range 15 - 110		Recovery = 125.00%#			
96) 4-Terphenyl-d14	8.837	244	572323	56.044	ug/ml	-0.01
Spiked Amount 25.000	Range 30 - 130		Recovery = 224.18%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.208	74	88816	50.503	ug/ml#	96
3) Pyridine	1.230	79	154288	49.944	ug/ml	95
5) Aniline	3.377	93	229013	51.408	ug/ml#	63
6) 2-Chlorophenol	3.484	128	162961	51.008	ug/ml	98
8) Phenol	3.420	94	184435	45.140	ug/ml#	60
9) Bis(2-chloroethyl)ether	3.463	93	129200	49.134	ug/ml#	83
10) 1,3-Dichlorobenzene	3.618	146	181328	48.541	ug/ml	100
11) 1,4-Dichlorobenzene	3.687	146	183756	47.552	ug/ml	99
12) 1,2-Dichlorobenzene	3.821	146	178283	47.932	ug/ml	100
13) Benzyl alcohol	3.831	79	120041	51.887	ug/ml	98
14) Bis(2-chloroisopropyl)...	3.960	45	213808	43.372	ug/ml#	92
15) 2-Methylphenol	3.965	108	134995	49.430	ug/ml	98
16) Hexachloroethane	4.114	117	71105	47.328	ug/ml#	82
17) n-Nitrosodi-n-propylamine	4.072	70	103056	50.444	ug/ml#	91
18) 3-Methylphenol/4-Methy...	4.109	108	142480	48.542	ug/ml	95
20) Nitrobenzene	4.189	77	150242	48.344	ug/ml	99
21) Isophorone	4.408	82	278183	51.601	ug/ml	96
22) 2-Nitrophenol	4.467	139	94305	52.971	ug/ml	96

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\201207\
Data File : ABN1207.d
Acq On : 7 Dec 2020 8:56 am
Operator : GCMS5:sz
Sample : wg1441843-3,32,,ABN CCV Lot # 9037
Misc : wg1441843,,ical16639
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Dec 07 09:15:41 2020
Quant Method : i:\8270\GCMS5\201207\FS200401gcms5.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 07 04:47:01 2020
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) 2,4-Dimethylphenol	4.558	107	148181	51.723	ug/ml	97
24) Bis(2-chloroethoxy)met...	4.627	93	178671	50.655	ug/ml#	96
25) 2,4-Dichlorophenol	4.686	162	154912	51.354	ug/ml	98
26) 1,2,4-Trichlorobenzene	4.745	180	169092	47.596	ug/ml	99
36) Naphthalene	4.793	128	448460	47.690	ug/ml	99
37) Benzoic Acid	4.681	105	132392	54.631	ug/ml#	1
38) 4-Chloroaniline	4.868	65	54597	46.908	ug/ml	96
39) Hexachlorobutadiene	4.932	225	99608	49.697	ug/ml	99
40) p-Chloro-m-cresol	5.311	107	136369	50.436	ug/ml	98
41) 2-Methylnaphthalene	5.381	142	319143	47.732	ug/ml	94
42) 1-Methylnaphthalene	5.455	115	95379	44.821	ug/ml	89
43) Hexachlorocyclopentadiene	5.525	237	113601	40.657	ug/ml	98
44) 2,4,6-Trichlorophenol	5.632	196	128906	54.439	ug/ml	97
45) 2,4,5-Trichlorophenol	5.658	196	135622	52.236	ug/ml	98
47) 2-Chloronaphthalene	5.771	162	330601	48.481	ug/ml	99
48) 2-Nitroaniline	5.872	138	122543	53.684	ug/ml	99
49) 1,4-Dinitrobenzene	5.995	168	51809	52.828	ug/ml	96
50) 1,3-Dinitrobenzene	6.054	168	56570	51.420	ug/ml	100
51) Dimethyl phthalate	6.048	163	393854	49.925	ug/ml#	98
52) Acenaphthylene	6.102	152	555660	53.645	ug/ml	99
53) 2,6-Dinitrotoluene	6.080	165	92475	54.472	ug/ml	92
54) 1,2-Dinitrobenzene	6.118	168	33796	49.820	ug/ml	98
64) 3-Nitroaniline	6.209	138	108534	50.957	ug/ml#	98
65) Acenaphthene	6.246	154	315316	47.431	ug/ml	94
66) 2,4-Dinitrophenol	6.299	184	61227	45.289	ug/ml	98
67) Dibenzofuran	6.390	168	484265	46.910	ug/ml#	74
68) 2,4-Dinitrotoluene	6.406	165	125697	50.728	ug/ml#	80
69) 4-Nitrophenol	6.390	65	72496	46.570	ug/ml#	1
70) 2,3,5,6-Tetrachlorophenol	6.470	232	123132	49.375	ug/ml	99
71) 2,3,4,6-Tetrachlorophenol	6.508	232	124007	48.952	ug/ml	97
72) Diethyl phthalate	6.625	149	399894	47.863	ug/ml	97
73) Fluorene	6.663	166	386139	47.441	ug/ml	94
74) 4-Chlorophenyl phenyl ...	6.684	204	184446	47.286	ug/ml	99
75) 4-Nitroaniline	6.700	138	108507	49.442	ug/ml	99
76) 4,6-Dinitro-o-cresol	6.738	198	77813	50.340	ug/ml	100
77) NDPA/DPA	6.786	169	322631	47.970	ug/ml	95
78) Azobenzene	6.807	77	337469	45.844	ug/ml#	91
80) 4-Bromophenyl phenyl e...	7.074	248	125092	49.924	ug/ml	98
81) Hexachlorobenzene	7.111	284	163455	55.788	ug/ml	96
82) Pentachlorophenol	7.282	266	103932	47.709	ug/ml	98
89) Phenanthrene	7.432	178	613937	47.395	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\201207\
Data File : ABN1207.d
Acq On : 7 Dec 2020 8:56 am
Operator : GCMS5:sz
Sample : wg1441843-3,32,,ABN CCV Lot # 9037
Misc : wg1441843,,ical16639
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Dec 07 09:15:41 2020
Quant Method : i:\8270\GCMS5\201207\FS200401gcms5.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 07 04:47:01 2020
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
90)	Anthracene	7.475	178	625114	48.715	ug/ml	99
91)	Carbazole	7.630	167	600149	49.404	ug/ml	98
92)	Di-n-butylphthalate	7.982	149	727072	51.226	ug/ml	99
93)	Fluoranthene	8.458	202	774725	49.443	ug/ml	98
94)	Benzidine	8.607	184	568017	55.847	ug/ml	99
95)	Pyrene	8.650	202	803141	49.529	ug/ml	99
97)	Butyl benzyl phthalate	9.323	149	356163	51.529	ug/ml#	93
105)	Benzo(a)anthracene	9.761	228	827872	46.919	ug/ml	98
106)	3,3'-Dichlorobenzidine	9.772	252	363663	54.469	ug/ml	98
107)	Chrysene	9.793	228	783284	46.255	ug/ml	98
108)	Bis(2-ethylhexyl)phtha...	9.900	149	530531	49.916	ug/ml#	90
109)	Di-n-octylphthalate	10.482	149	931917	48.199	ug/ml	97
110)	Benzo(b)fluoranthene	10.712	252	922173	48.817	ug/ml	100
111)	Benzo(k)fluoranthene	10.734	252	767190	46.557	ug/ml	98
112)	Benzo(a)pyrene	10.969	252	802295	47.795	ug/ml	99
114)	Indeno(1,2,3-cd)pyrene	11.807	276	957586M6	50.251	ug/mL	
115)	Dibenzo(a,h)anthracene	11.829	278	843513	50.133	ug/ml	99
116)	Benzo(ghi)perylene	11.989	276	916694	49.105	ug/ml	97

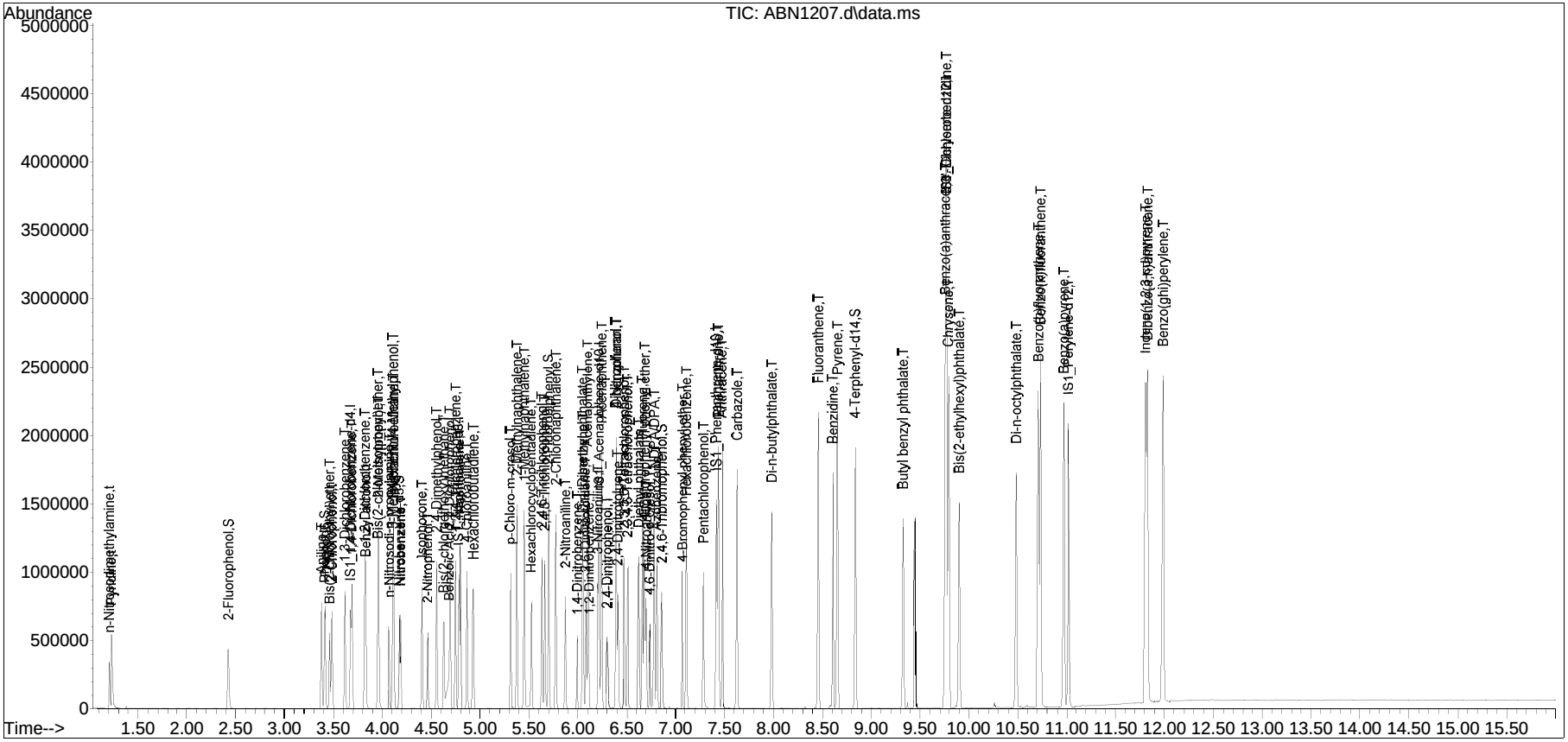
(#) = qualifier out of range (m) = manual integration (+) = signals summed

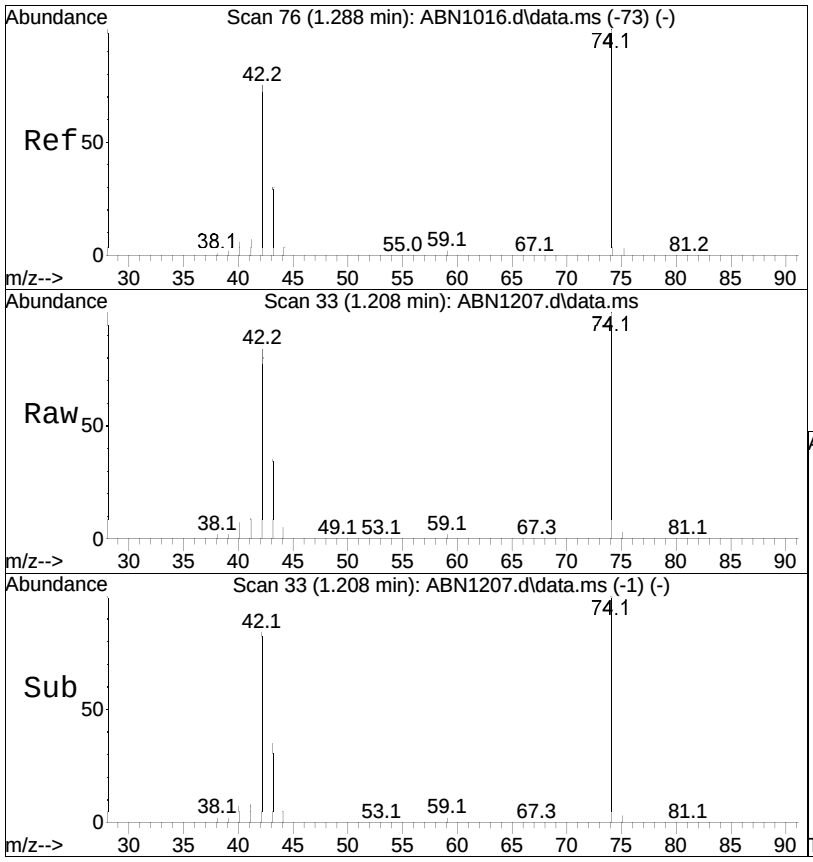
Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\201207\
Data File : ABN1207.d
Acq On : 7 Dec 2020 8:56 am
Operator : GCMS5:sz
Sample : wg1441843-3,32,,ABN CCV Lot # 9037
Misc : wg1441843,,ical16639
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Dec 07 09:15:41 2020
Quant Method : i:\8270\GCMS5\201207\FS200401gcms5.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 07 04:47:01 2020
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

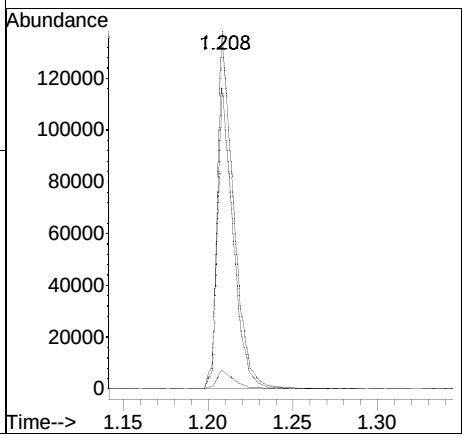


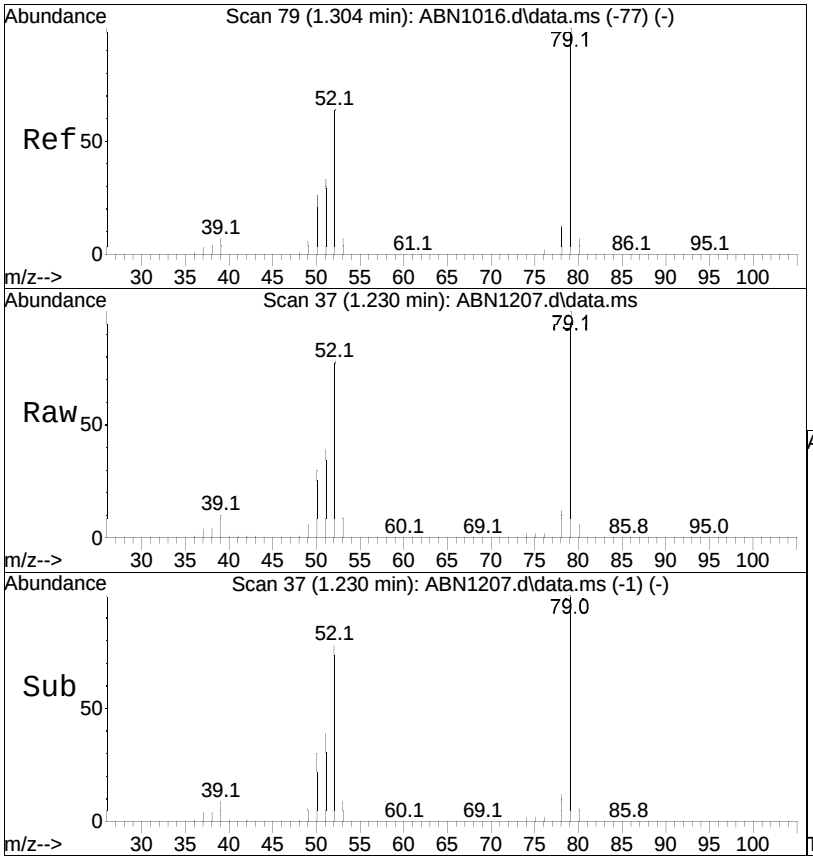


#2
n-Nitrosodimethylamine
Concen: 50.50 ug/ml
RT: 1.208 min Scan# 33
Delta R.T. -0.011 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion: 74 Resp: 88816

Ion	Ratio	Lower	Upper
74	100		
42	83.5	69.4	104.2
44	5.8	3.5	5.3#

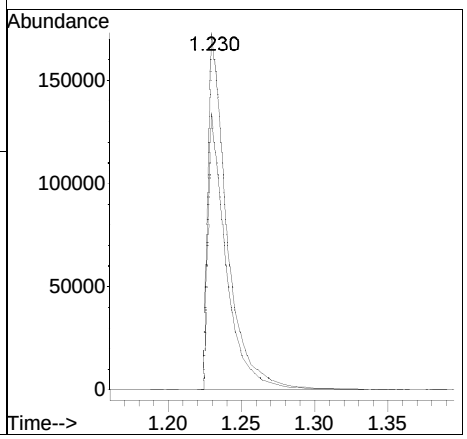


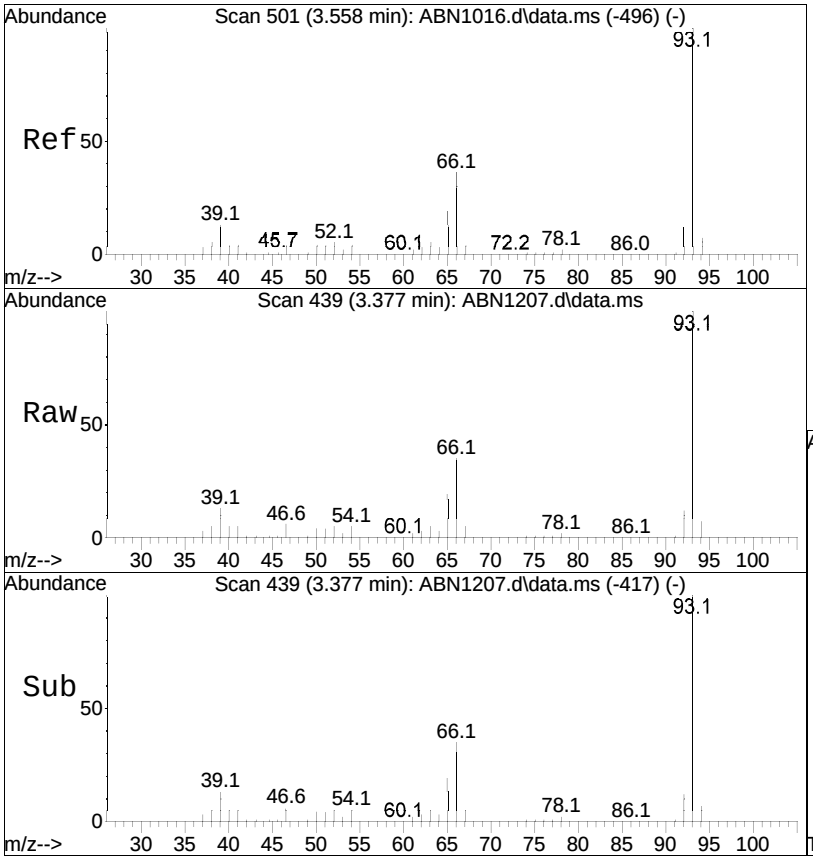


#3
Pyridine
Concen: 49.94 ug/ml
RT: 1.230 min Scan# 37
Delta R.T. -0.011 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion: 79 Resp: 154288

Ion	Ratio	Lower	Upper
79	100		
52	74.6	56.6	85.0

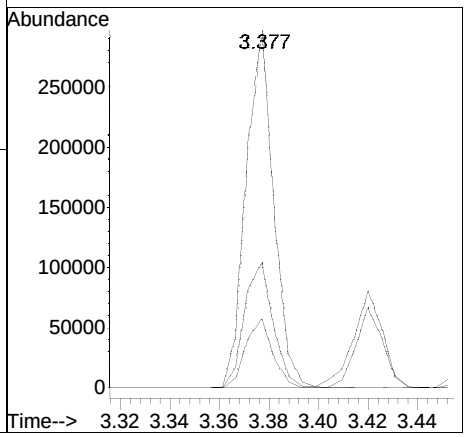


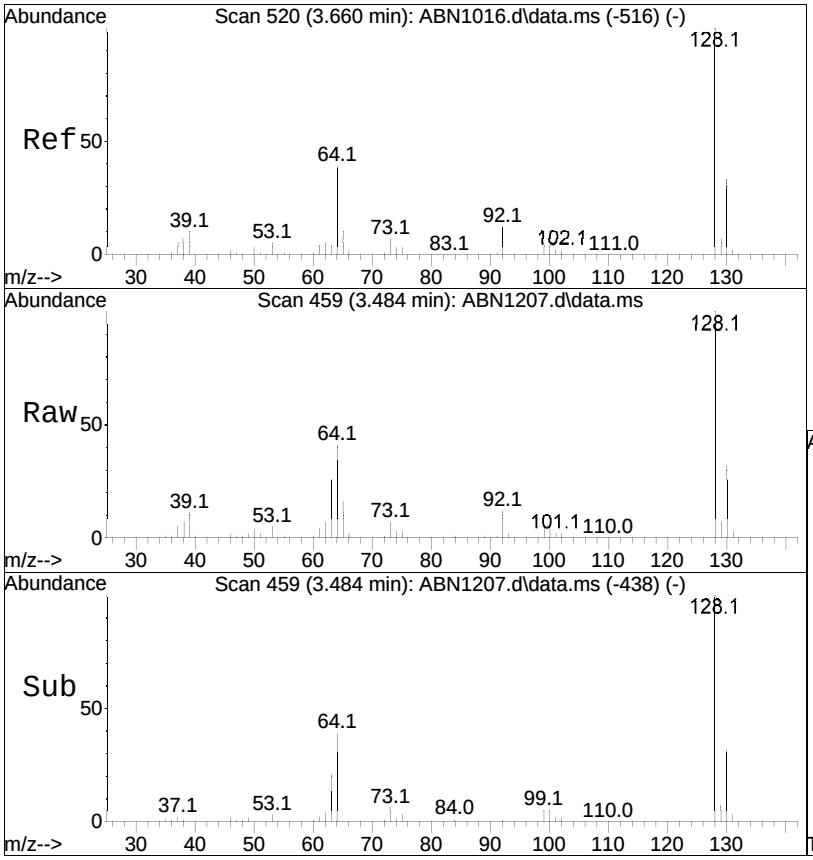


#5
Aniline
Concen: 51.41 ug/ml
RT: 3.377 min Scan# 439
Delta R.T. -0.005 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion: 93 Resp: 229013

Ion	Ratio	Lower	Upper
93	100		
66	36.8	53.5	80.3#
65	19.2	34.4	51.6#

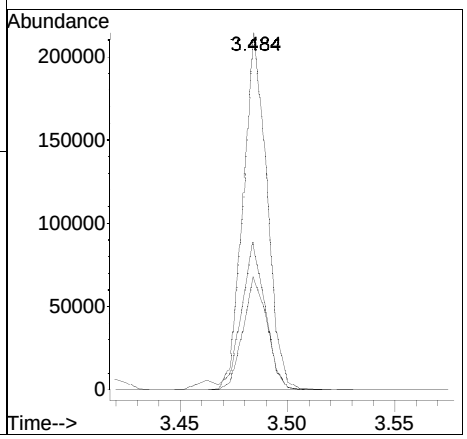


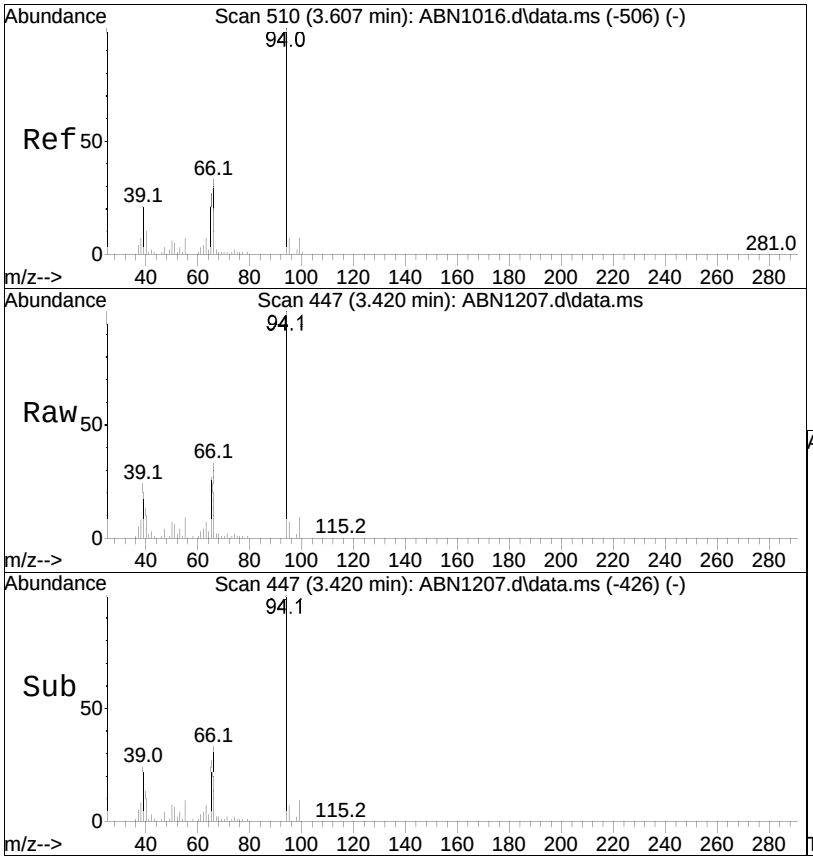


#6
2-Chlorophenol
Concen: 51.01 ug/ml
RT: 3.484 min Scan# 459
Delta R.T. -0.011 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:128 Resp: 162961

Ion	Ratio	Lower	Upper
128	100		
64	43.7	33.5	50.3
130	32.6	25.9	38.9

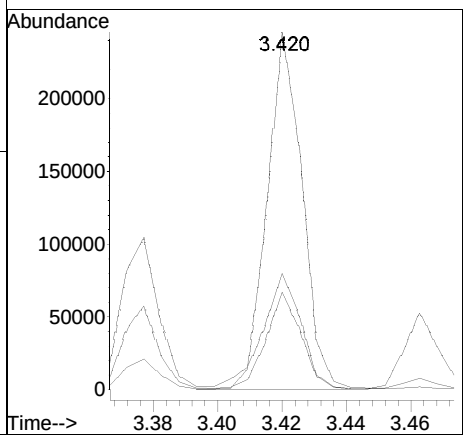


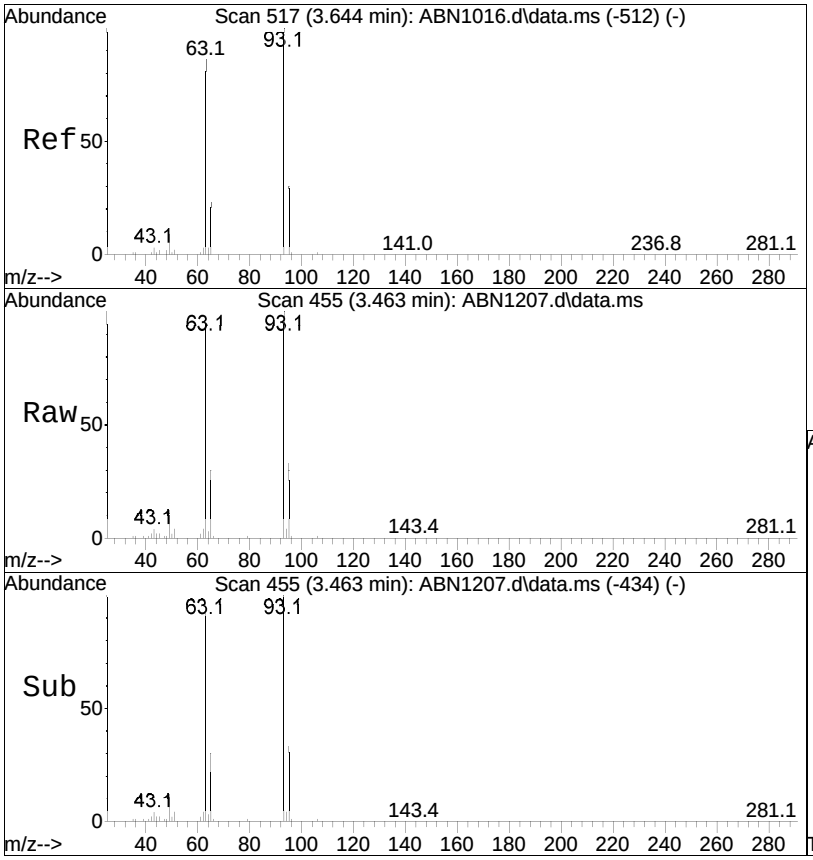


#8
Phenol
Concen: 45.14 ug/ml
RT: 3.420 min Scan# 447
Delta R.T. -0.011 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion: 94 Resp: 184435

Ion	Ratio	Lower	Upper
94	100		
65	27.8	38.8	58.2#
66	36.3	60.3	90.5#

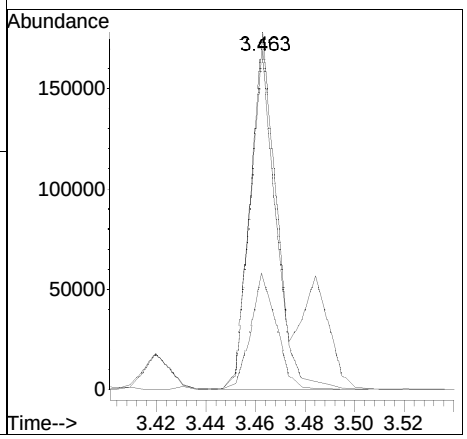


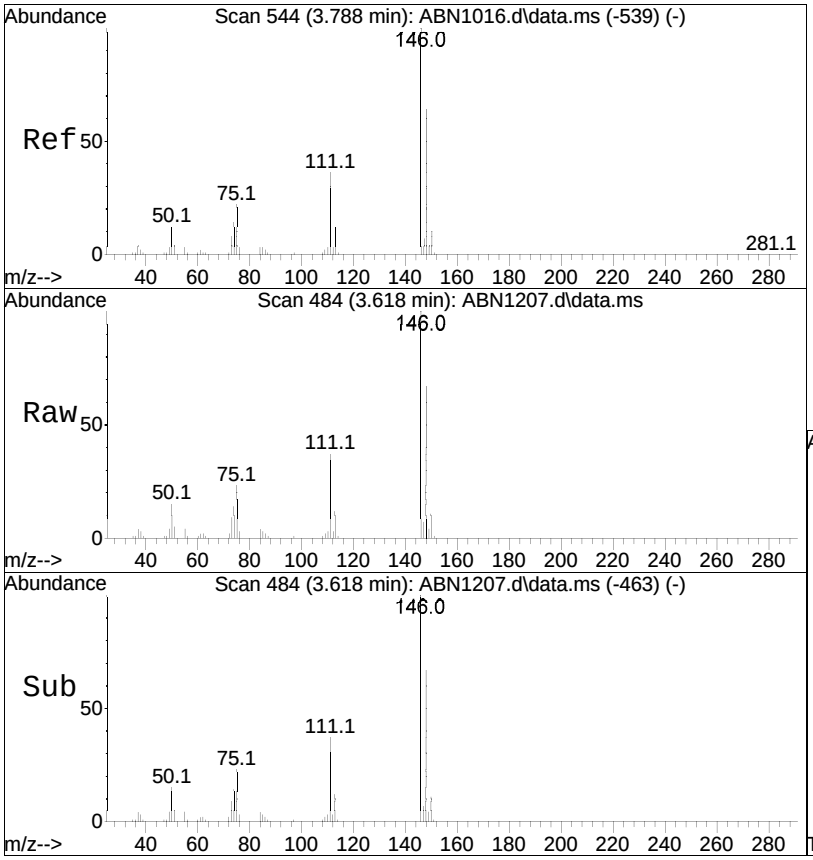


#9
Bis(2-chloroethyl)ether
Concen: 49.13 ug/ml
RT: 3.463 min Scan# 455
Delta R.T. -0.011 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion: 93 Resp: 129200

Ion	Ratio	Lower	Upper
93	100		
63	100.0	63.0	94.6#
95	32.1	26.3	39.5

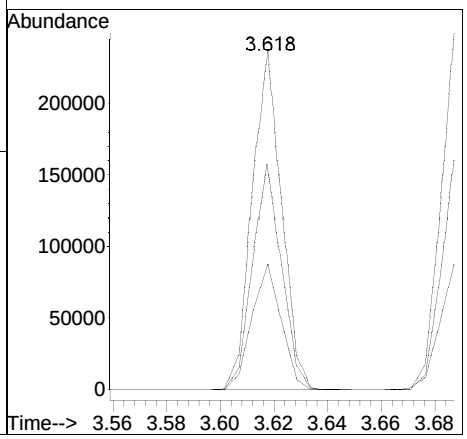


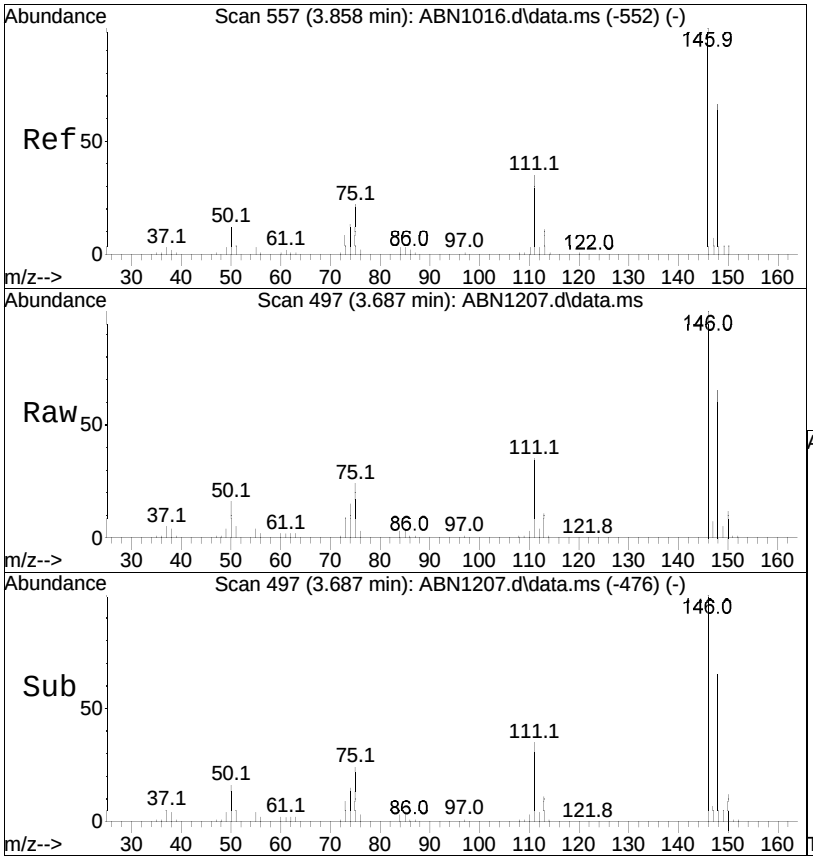


#10
1,3-Dichlorobenzene
Concen: 48.54 ug/ml
RT: 3.618 min Scan# 484
Delta R.T. -0.011 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:146 Resp: 181328

Ion	Ratio	Lower	Upper
146	100		
111	37.0	30.0	45.0
148	65.6	52.6	78.8

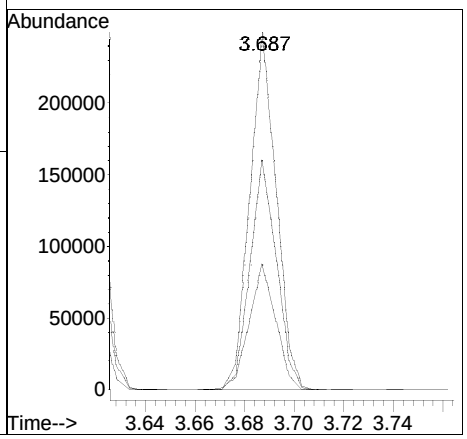


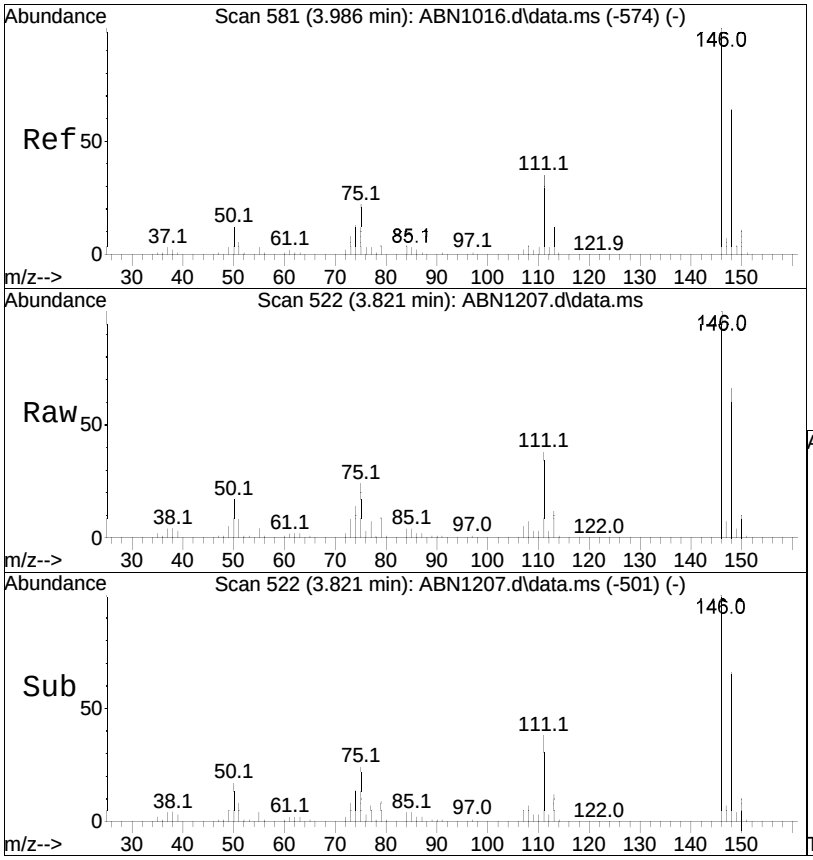


#11
1,4-Dichlorobenzene
Concen: 47.55 ug/ml
RT: 3.687 min Scan# 497
Delta R.T. -0.011 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:146 Resp: 183756

Ion	Ratio	Lower	Upper
146	100		
148	64.6	52.3	78.5
111	36.0	29.2	43.8

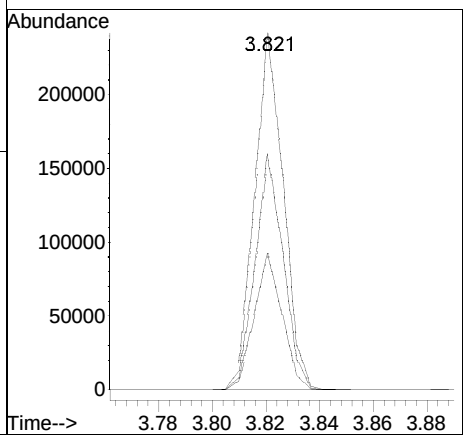


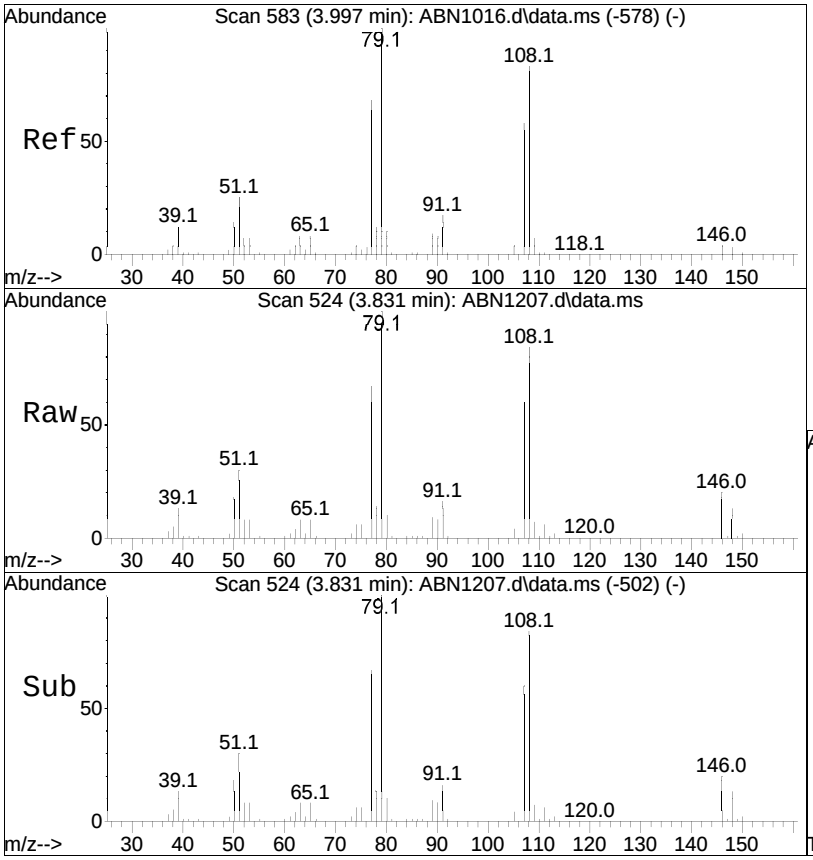


#12
1,2-Dichlorobenzene
Concen: 47.93 ug/ml
RT: 3.821 min Scan# 522
Delta R.T. -0.011 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:146 Resp: 178283

Ion	Ratio	Lower	Upper
146	100		
111	37.4	30.3	45.5
148	64.6	51.8	77.8

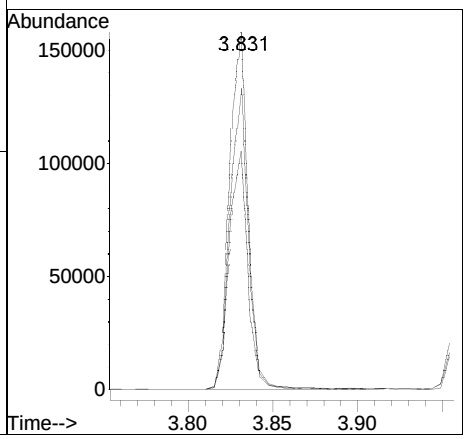


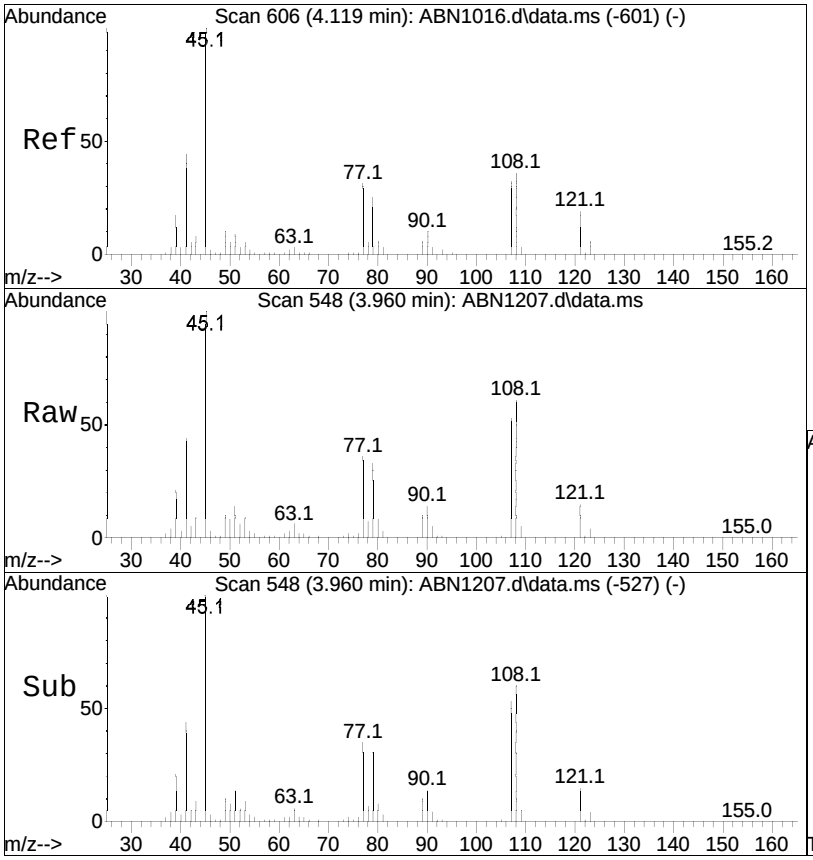


#13
Benzyl alcohol
Concen: 51.89 ug/ml
RT: 3.831 min Scan# 524
Delta R.T. -0.005 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion: 79 Resp: 120041

Ion	Ratio	Lower	Upper
79	100		
77	66.0	54.6	81.8
108	82.0	65.1	97.7

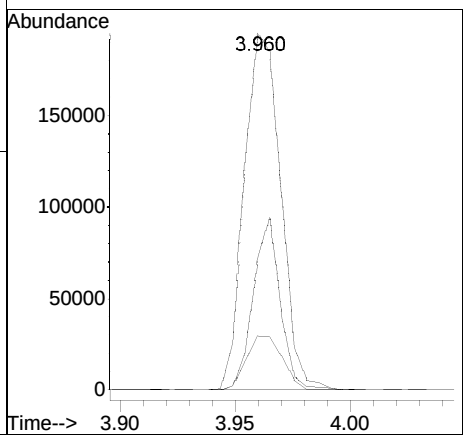


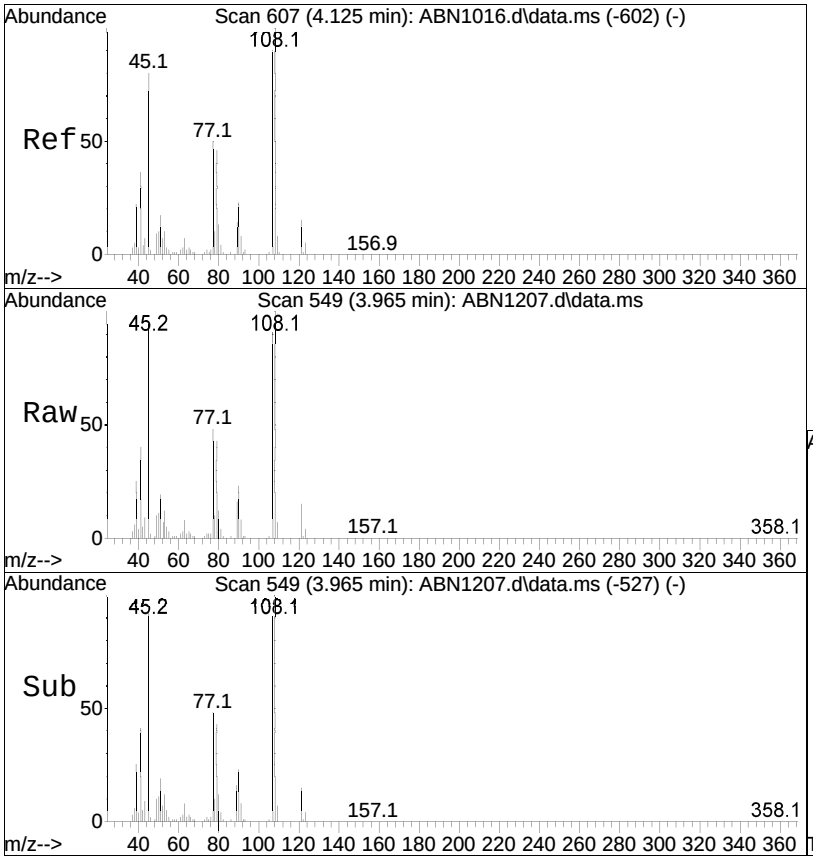


#14
Bis(2-chloroisopropyl)ether
Concen: 43.37 ug/ml
RT: 3.960 min Scan# 548
Delta R.T. -0.011 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion: 45 Resp: 213808

Ion	Ratio	Lower	Upper
45	100		
121	15.3	16.0	24.0#
77	36.1	32.1	48.1

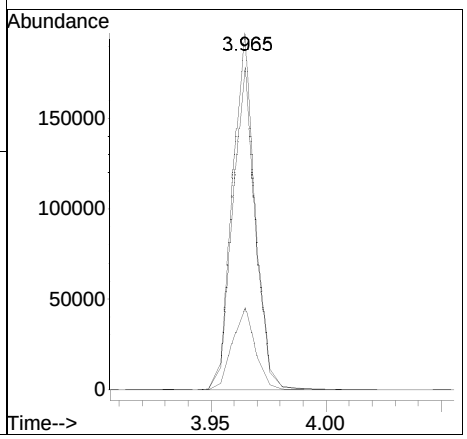


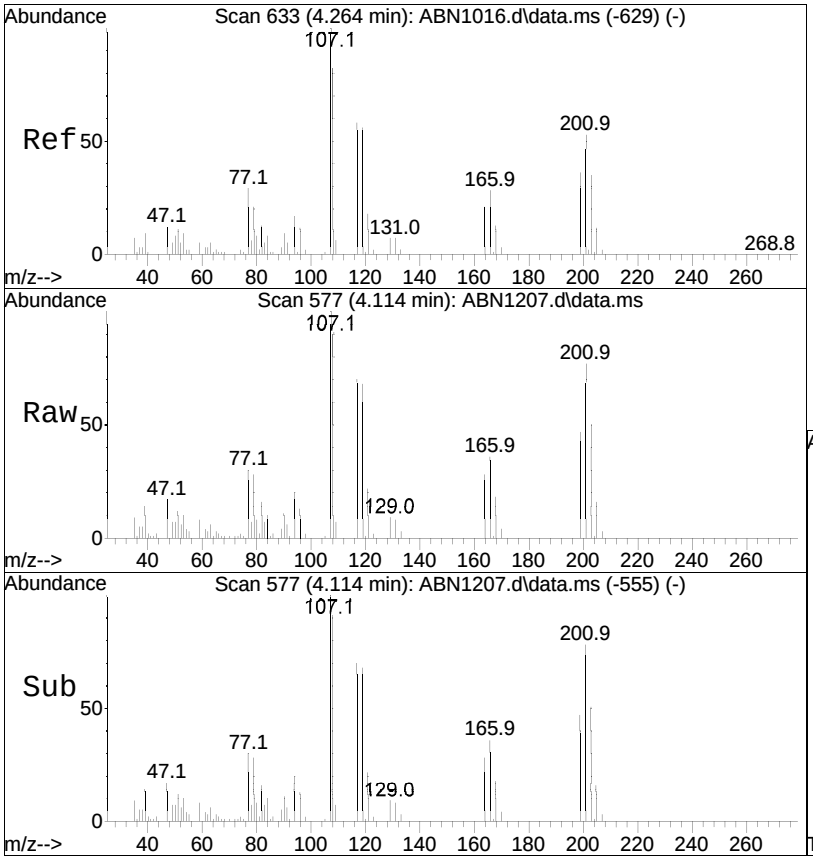


#15
2-Methylphenol
Concen: 49.43 ug/ml
RT: 3.965 min Scan# 549
Delta R.T. -0.005 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:108 Resp: 134995

Ion	Ratio	Lower	Upper
108	100		
107	90.5	70.3	105.5
90	23.2	18.7	28.1

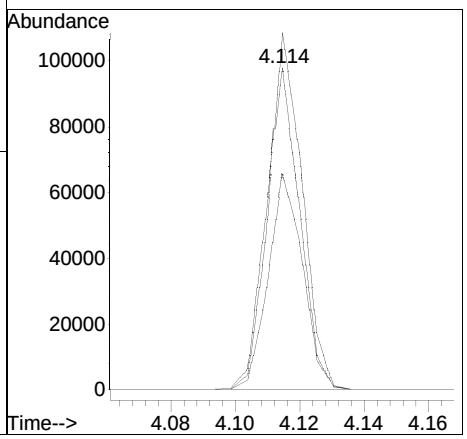


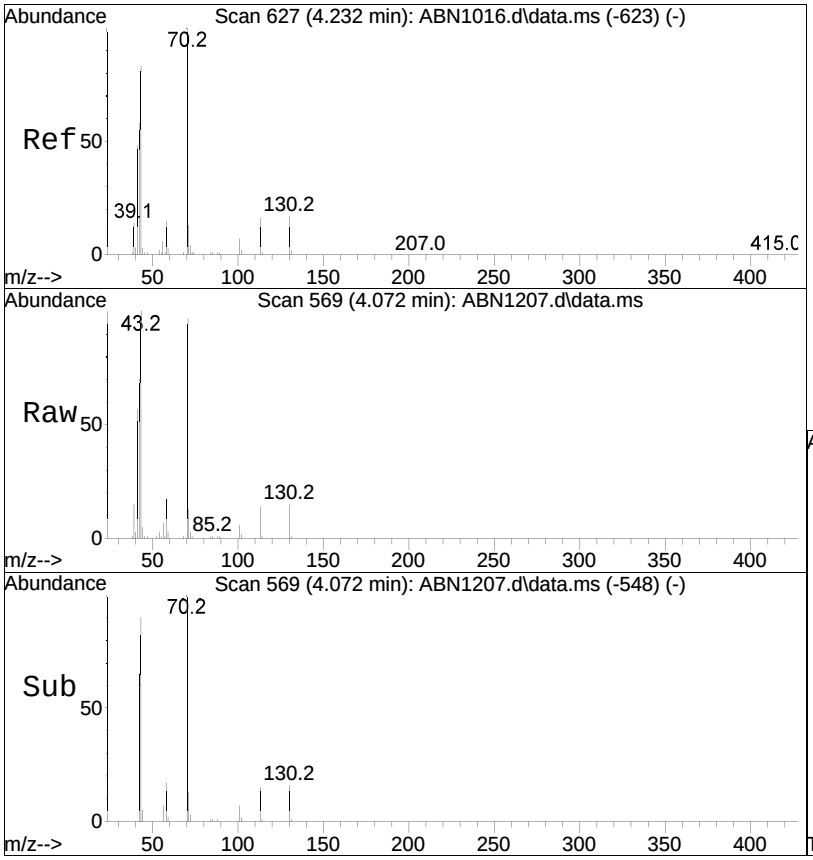


#16
Hexachloroethane
Concen: 47.33 ug/ml
RT: 4.114 min Scan# 577
Delta R.T. -0.005 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:117 Resp: 71105

Ion	Ratio	Lower	Upper
117	100		
201	110.7	73.4	110.0#
199	68.3	45.9	68.9

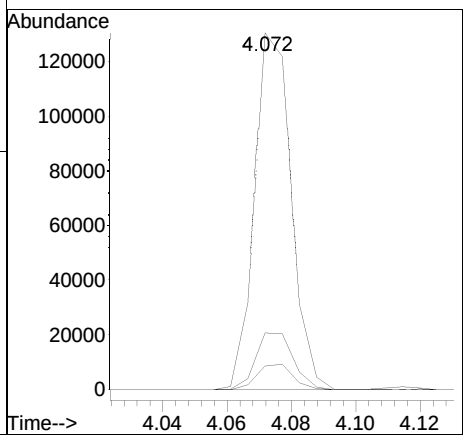


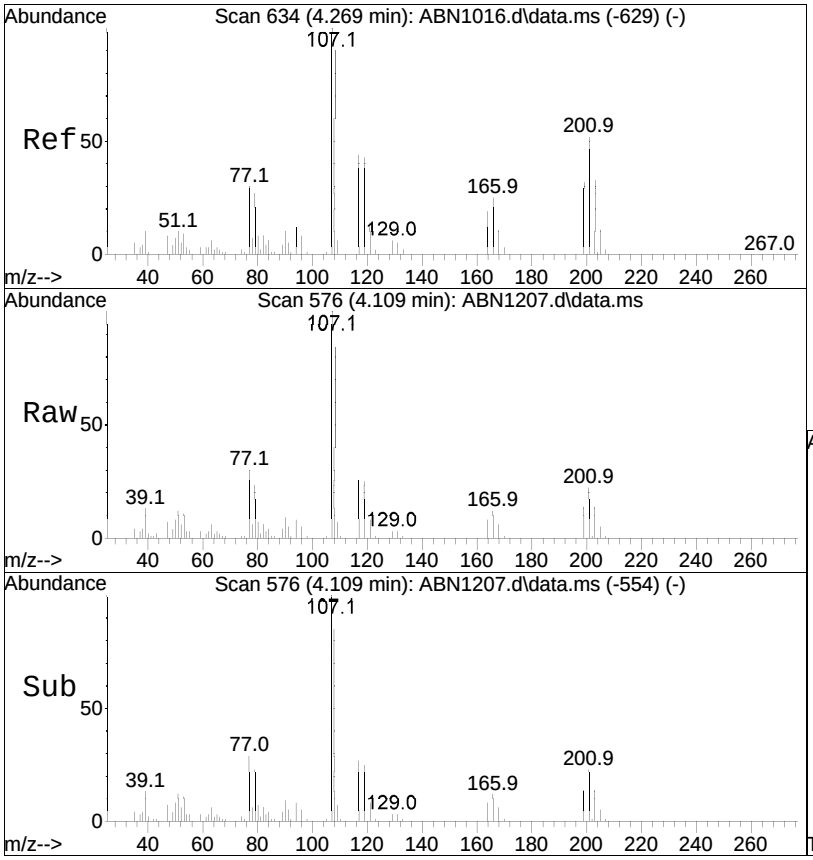


#17
n-Nitrosodi-n-propylamine
Concen: 50.44 ug/ml
RT: 4.072 min Scan# 569
Delta R.T. -0.011 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion: 70 Resp: 103056

Ion	Ratio	Lower	Upper
70	100		
130	16.4	17.1	25.7#
101	7.1	7.0	10.4

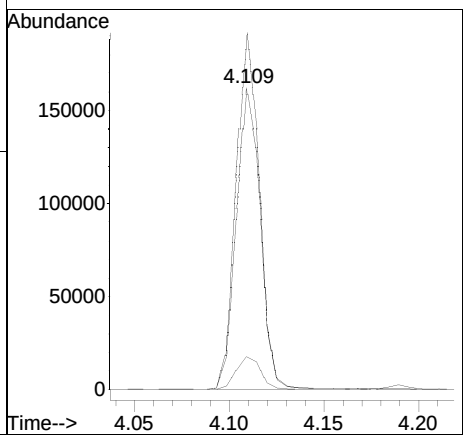


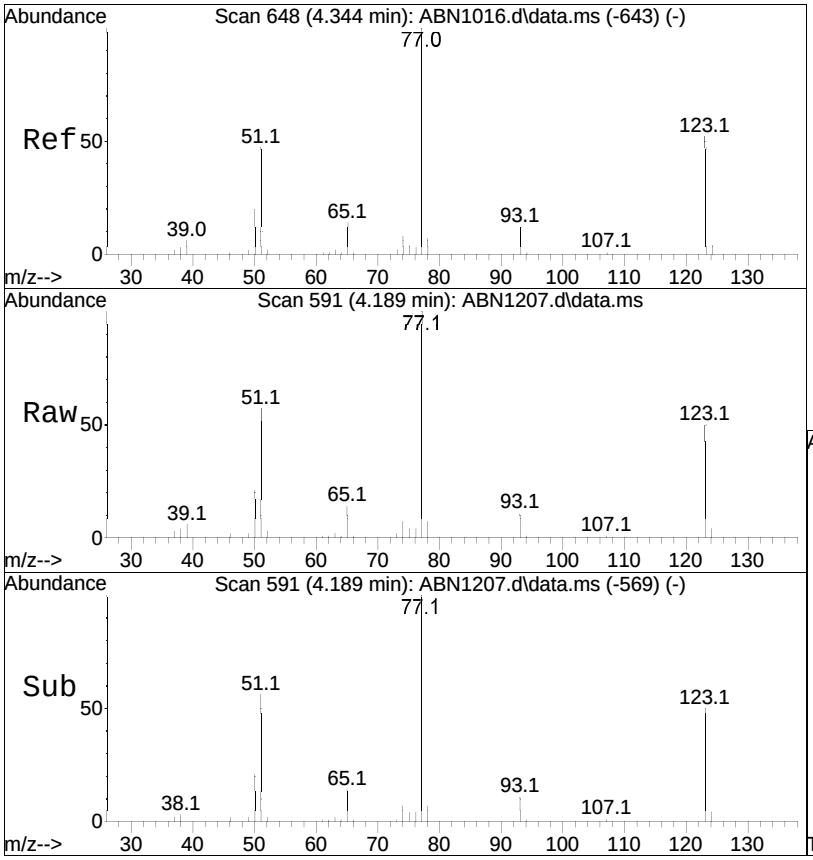


#18
3-Methylphenol/4-Methylphenol
Concen: 48.54 ug/ml
RT: 4.109 min Scan# 576
Delta R.T. -0.005 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:108 Resp: 142480

Ion	Ratio	Lower	Upper
108	100		
107	115.7	88.2	132.2
90	11.0	8.5	12.7

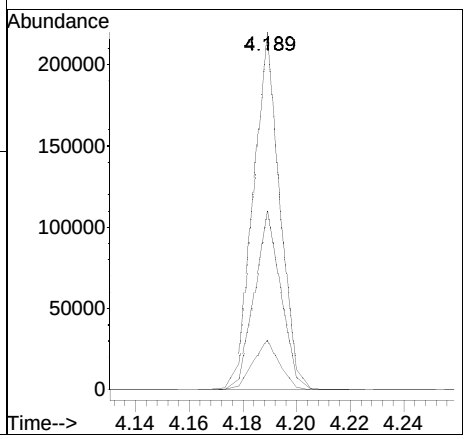


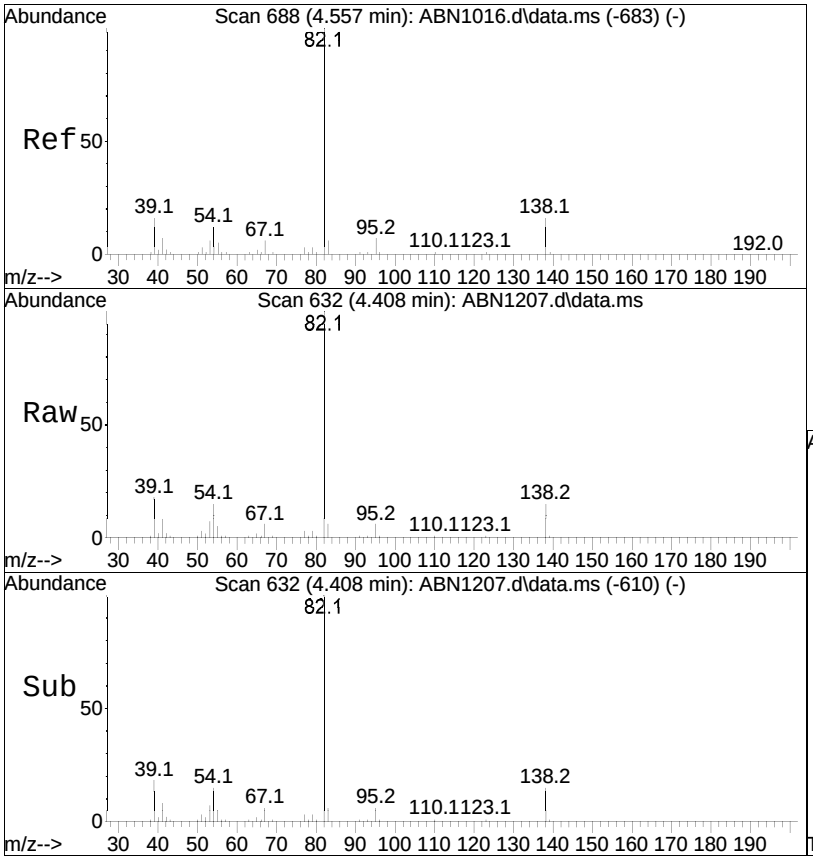


#20
Nitrobenzene
Concen: 48.34 ug/ml
RT: 4.189 min Scan# 591
Delta R.T. -0.005 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion: 77 Resp: 150242

Ion	Ratio	Lower	Upper
77	100		
123	50.3	39.5	59.3
65	14.0	11.0	16.6

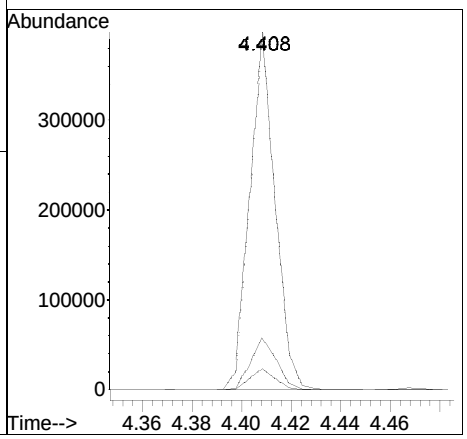


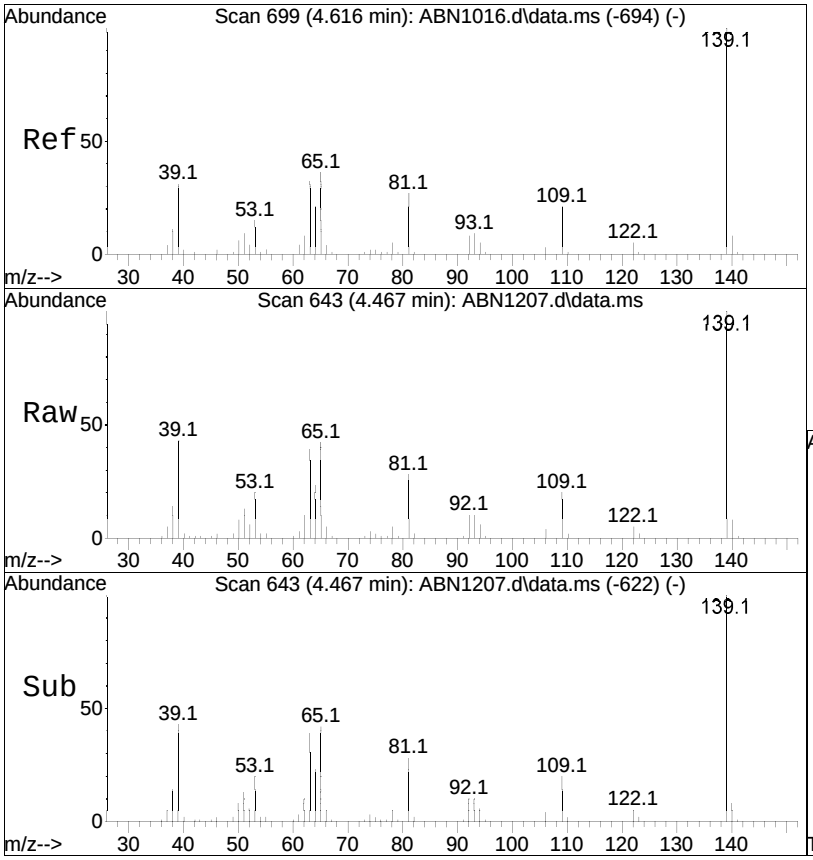


#21
Isophorone
Concen: 51.60 ug/ml
RT: 4.408 min Scan# 632
Delta R.T. -0.005 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion: 82 Resp: 278183

Ion	Ratio	Lower	Upper
82	100		
138	15.0	13.9	20.9
95	5.9	5.1	7.7

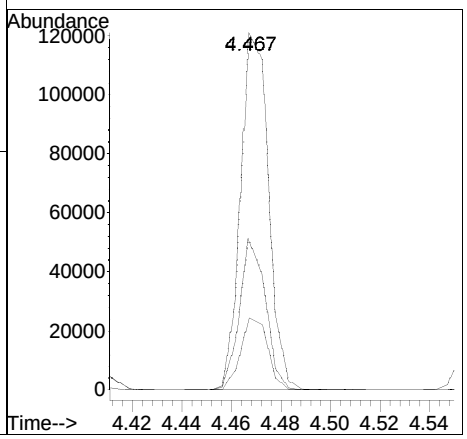


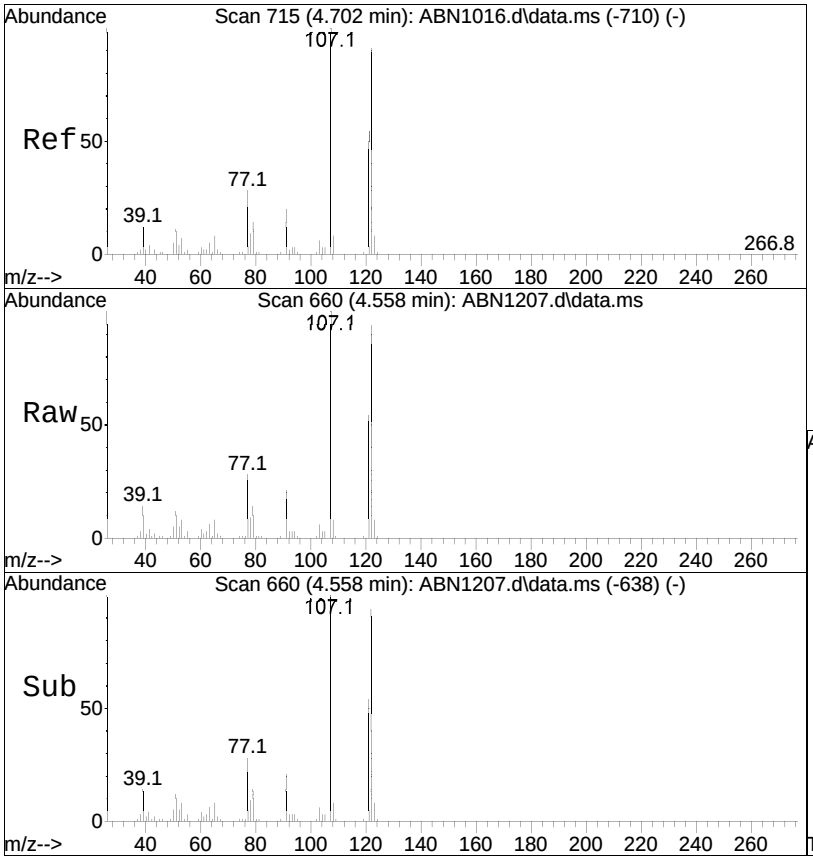


#22
2-Nitrophenol
Concen: 52.97 ug/ml
RT: 4.467 min Scan# 643
Delta R.T. -0.011 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:139 Resp: 94305

Ion	Ratio	Lower	Upper
139	100		
109	19.8	17.2	25.8
65	39.8	33.8	50.6

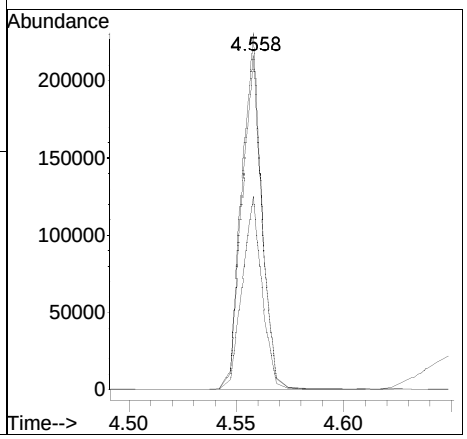


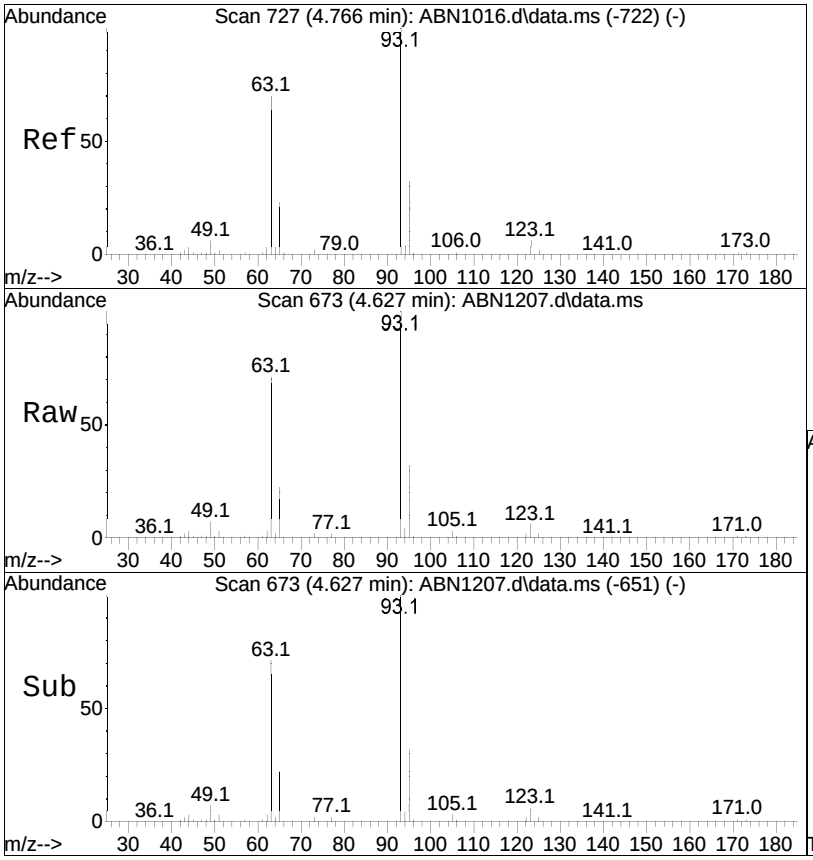


#23
2,4-Dimethylphenol
Concen: 51.72 ug/ml
RT: 4.558 min Scan# 660
Delta R.T. -0.005 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:107 Resp: 148181

Ion	Ratio	Lower	Upper
107	100		
121	53.6	41.2	61.8
122	93.2	72.5	108.7

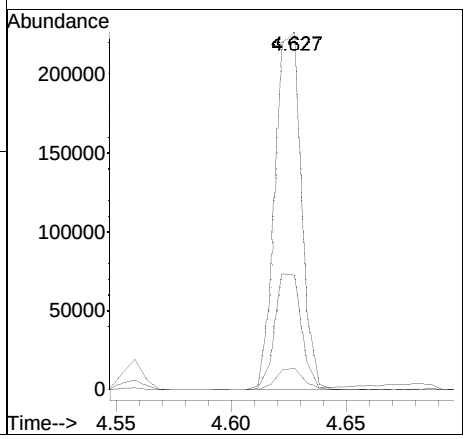


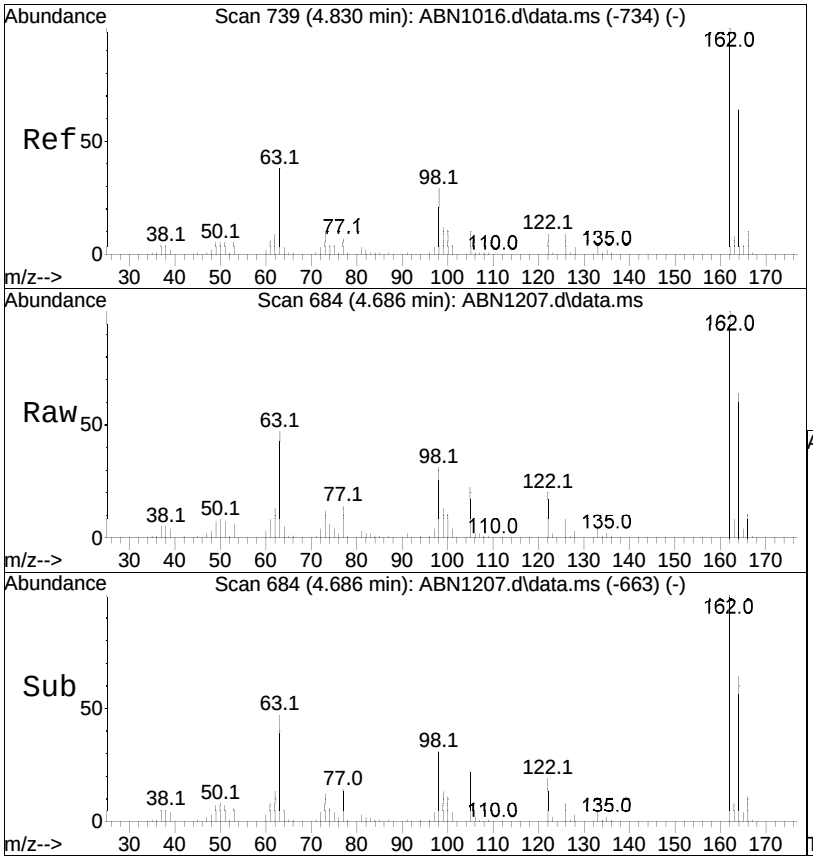


#24
Bis(2-chloroethoxy)methane
Concen: 50.65 ug/ml
RT: 4.627 min Scan# 673
Delta R.T. -0.005 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion: 93 Resp: 178671

Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.8	40.2
123	6.5	8.7	13.1#

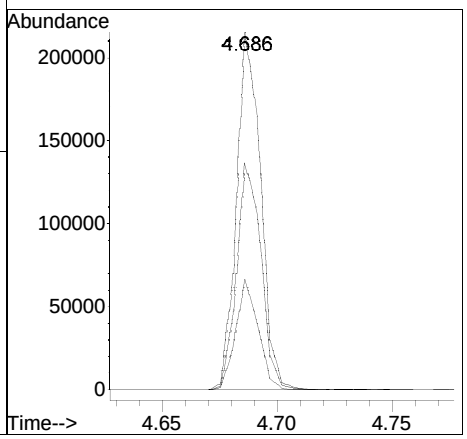


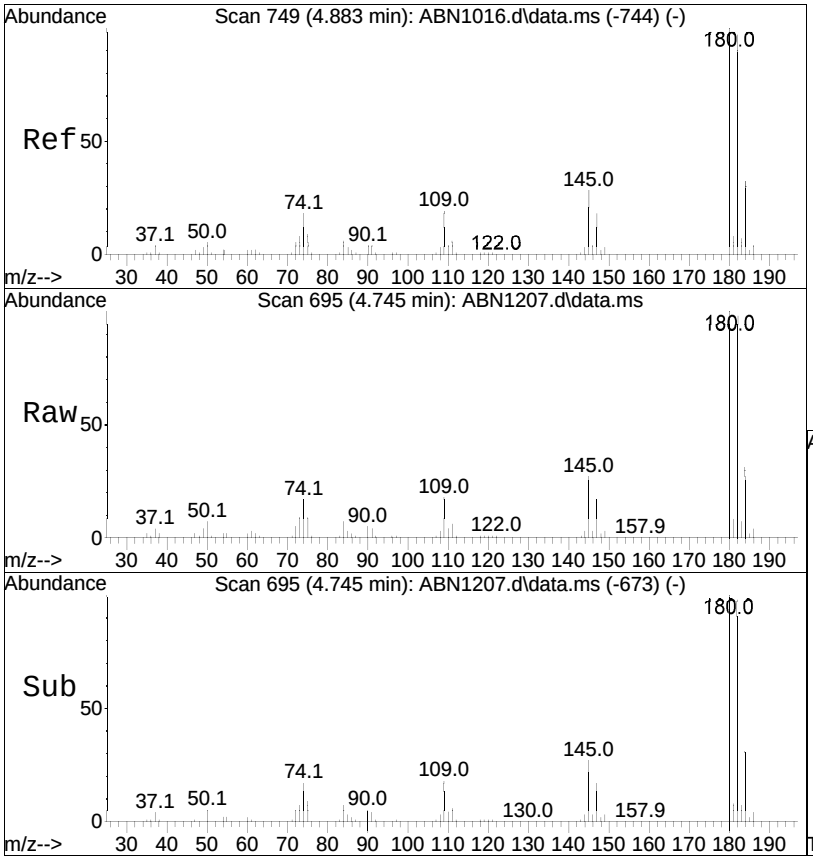


#25
2,4-Dichlorophenol
Concen: 51.35 ug/ml
RT: 4.686 min Scan# 684
Delta R.T. -0.011 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:162 Resp: 154912

Ion	Ratio	Lower	Upper
162	100		
164	64.4	51.8	77.8
98	29.1	25.0	37.4

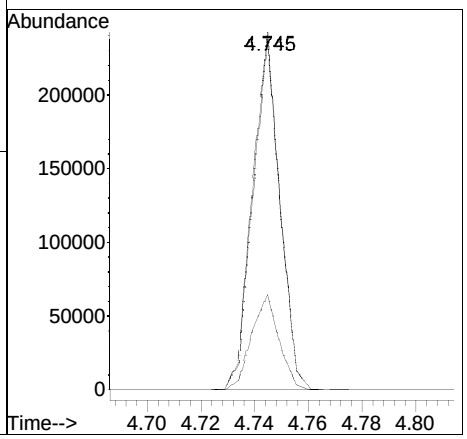


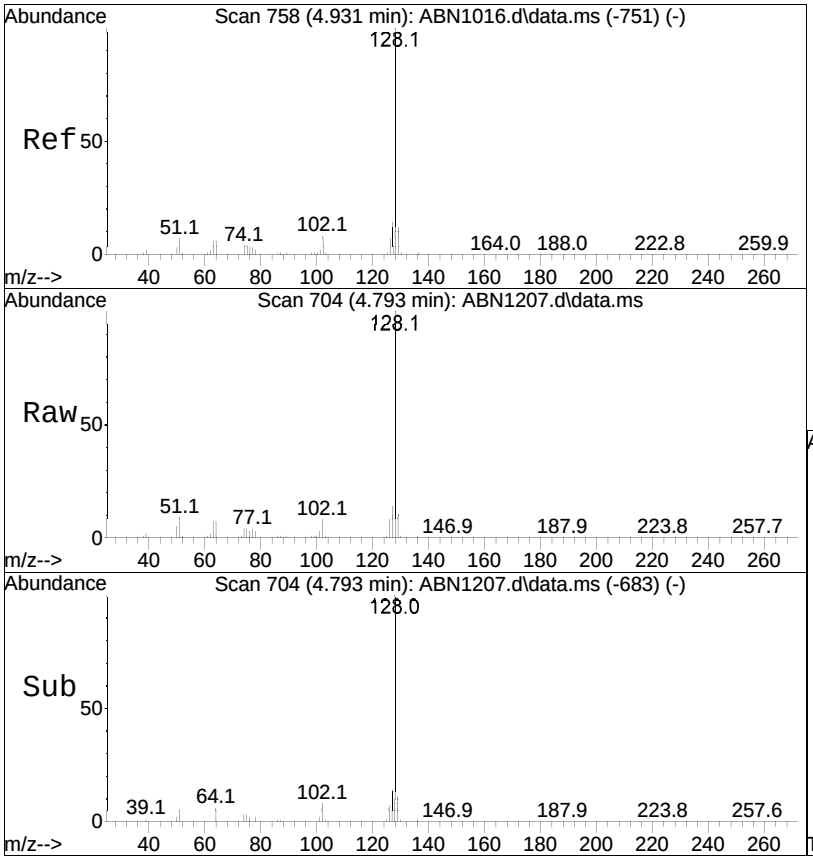


#26
1,2,4-Trichlorobenzene
Concen: 47.60 ug/ml
RT: 4.745 min Scan# 695
Delta R.T. -0.005 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:180 Resp: 169092

Ion	Ratio	Lower	Upper
180	100		
182	96.6	77.5	116.3
145	26.9	22.2	33.2

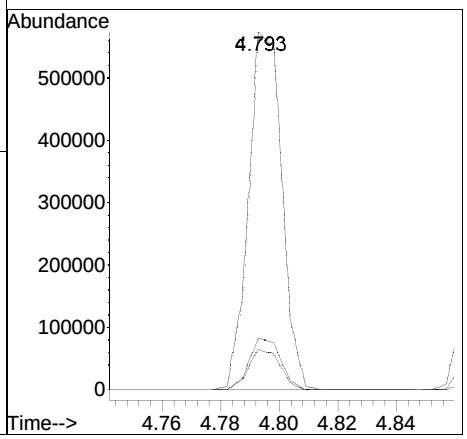


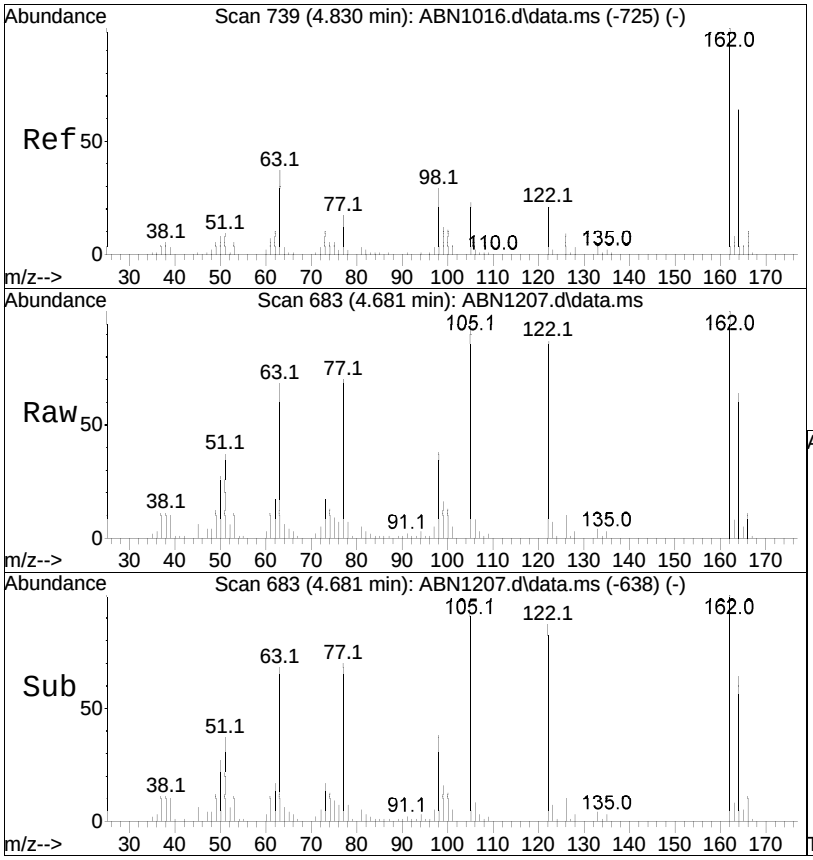


#36
Naphthalene
Concen: 47.69 ug/ml
RT: 4.793 min Scan# 704
Delta R.T. -0.011 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:128 Resp: 448460

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.6
127	13.9	11.3	16.9

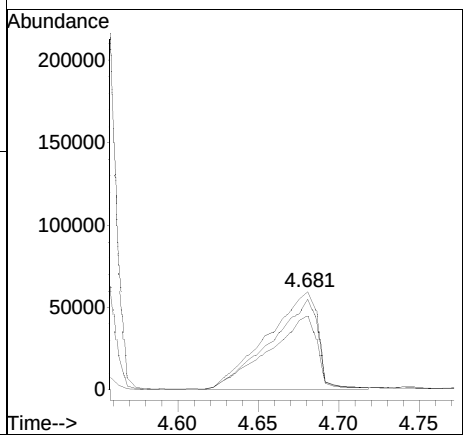


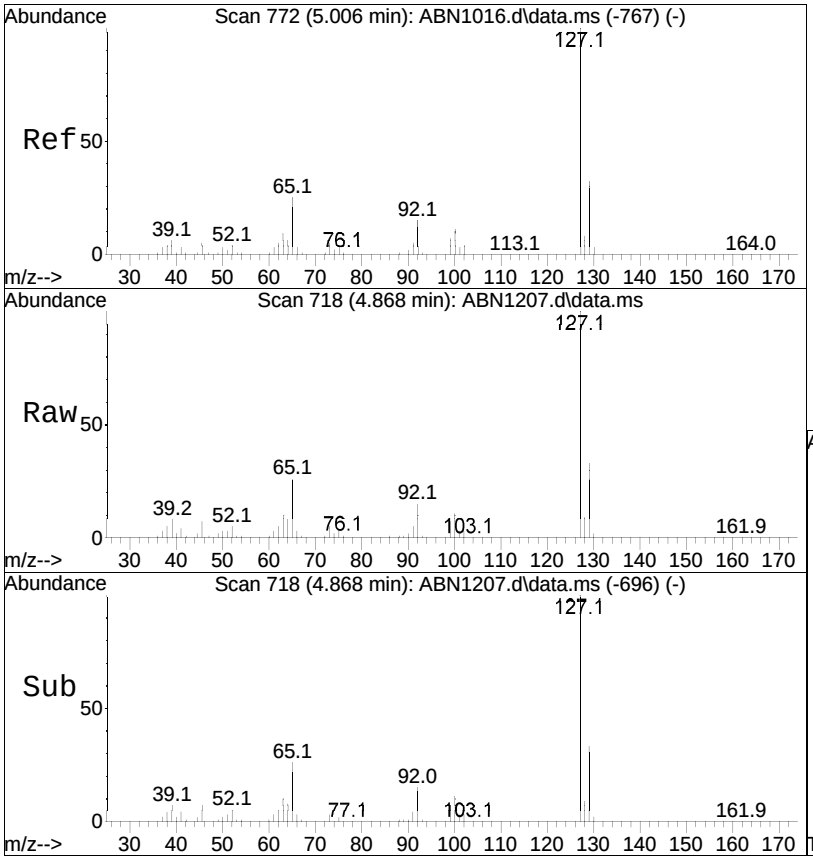


#37
Benzoic Acid
Concen: 54.63 ug/ml
RT: 4.681 min Scan# 683
Delta R.T. -0.011 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:105 Resp: 132392

Ion	Ratio	Lower	Upper
105	100		
122	87.3	2158.8	3238.2#
77	73.6	747.4	1121.0#

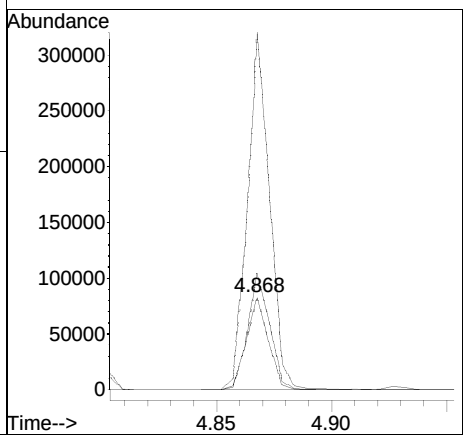


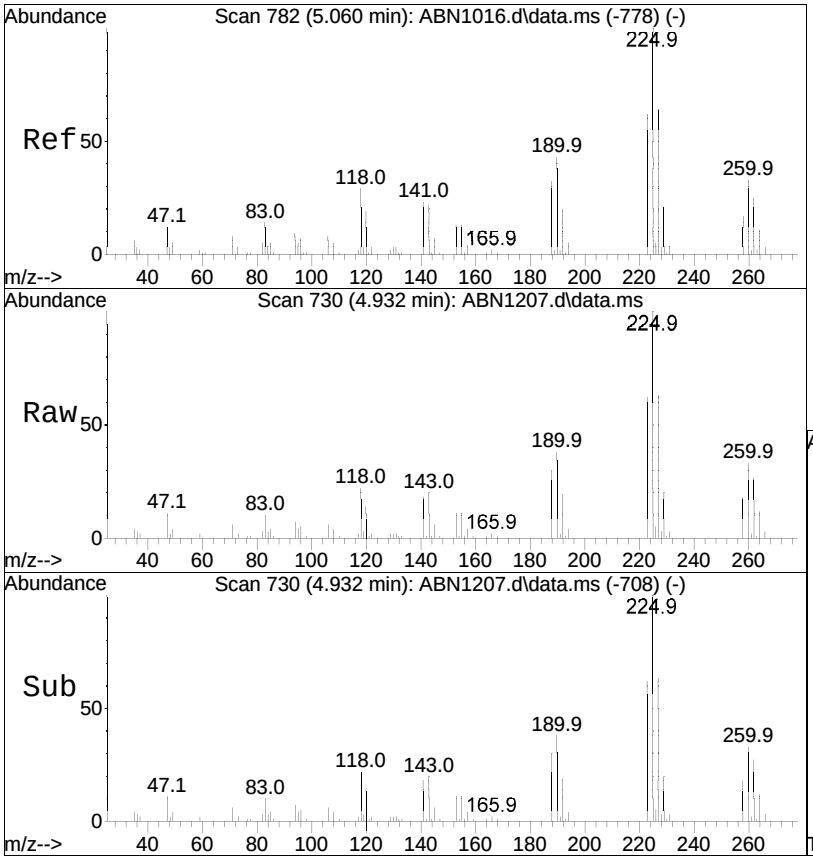


#38
4-Chloroaniline
Concen: 46.91 ug/ml
RT: 4.868 min Scan# 718
Delta R.T. -0.005 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion: 65 Resp: 54597

Ion	Ratio	Lower	Upper
65	100		
127	386.8	302.2	453.2
129	126.3	97.8	146.8

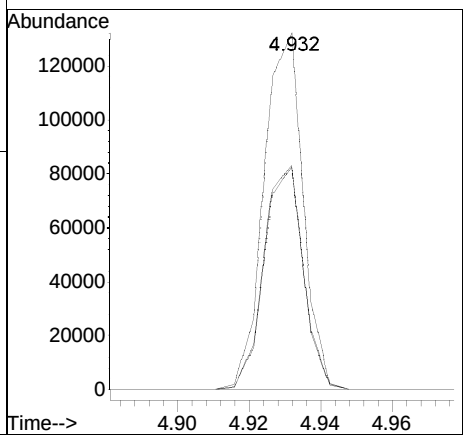


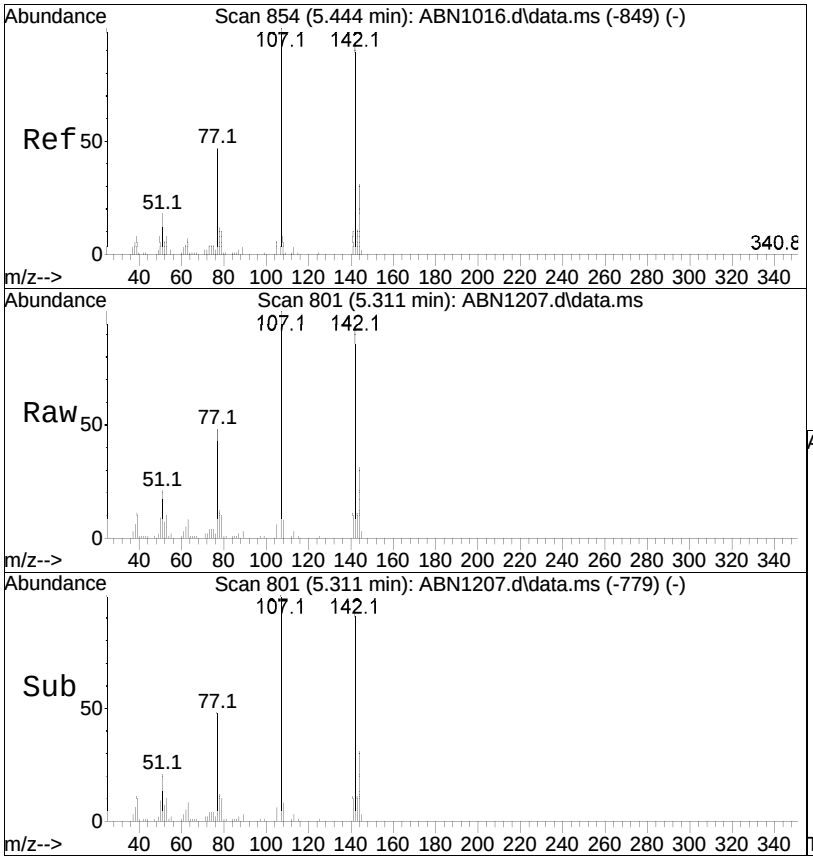


#39
Hexachlorobutadiene
Concen: 49.70 ug/ml
RT: 4.932 min Scan# 730
Delta R.T. -0.005 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:225 Resp: 99608

Ion	Ratio	Lower	Upper
225	100		
223	62.3	50.0	75.0
227	63.9	51.8	77.6

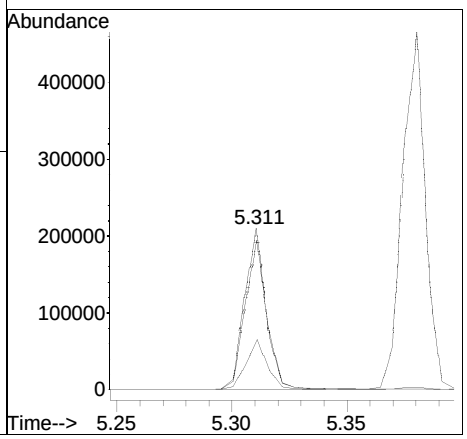


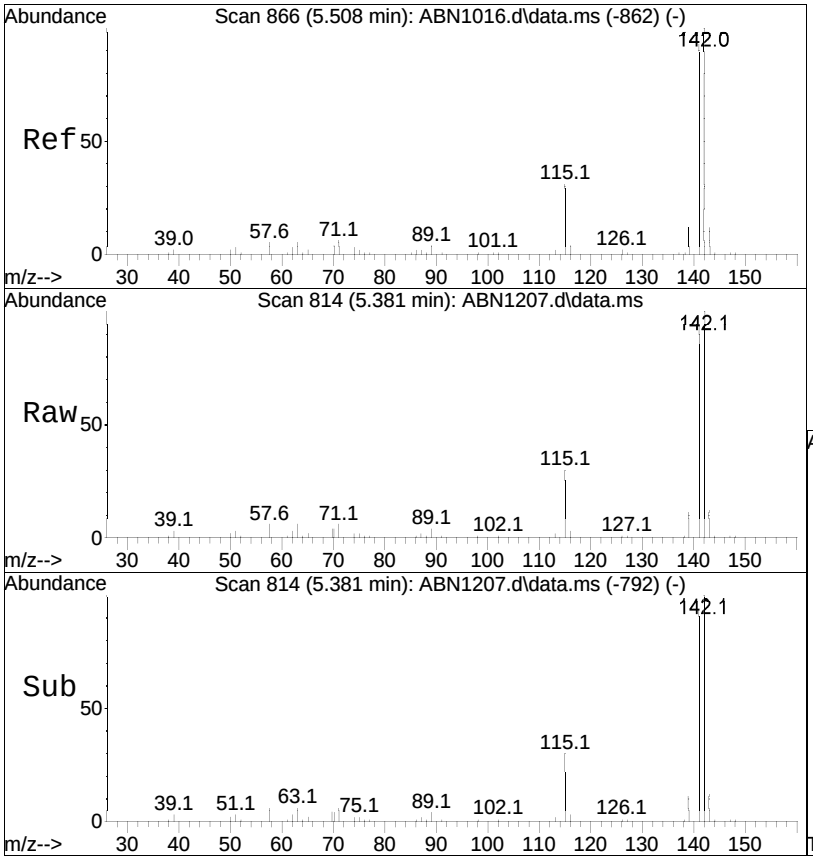


#40
p-Chloro-m-cresol
Concen: 50.44 ug/ml
RT: 5.311 min Scan# 801
Delta R.T. -0.005 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:107 Resp: 136369

Ion	Ratio	Lower	Upper
107	100		
144	30.6	23.3	34.9
142	93.1	72.7	109.1

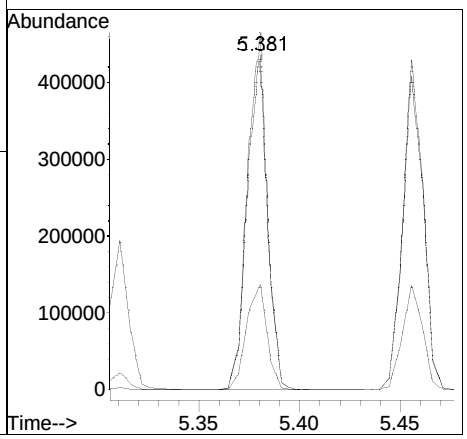


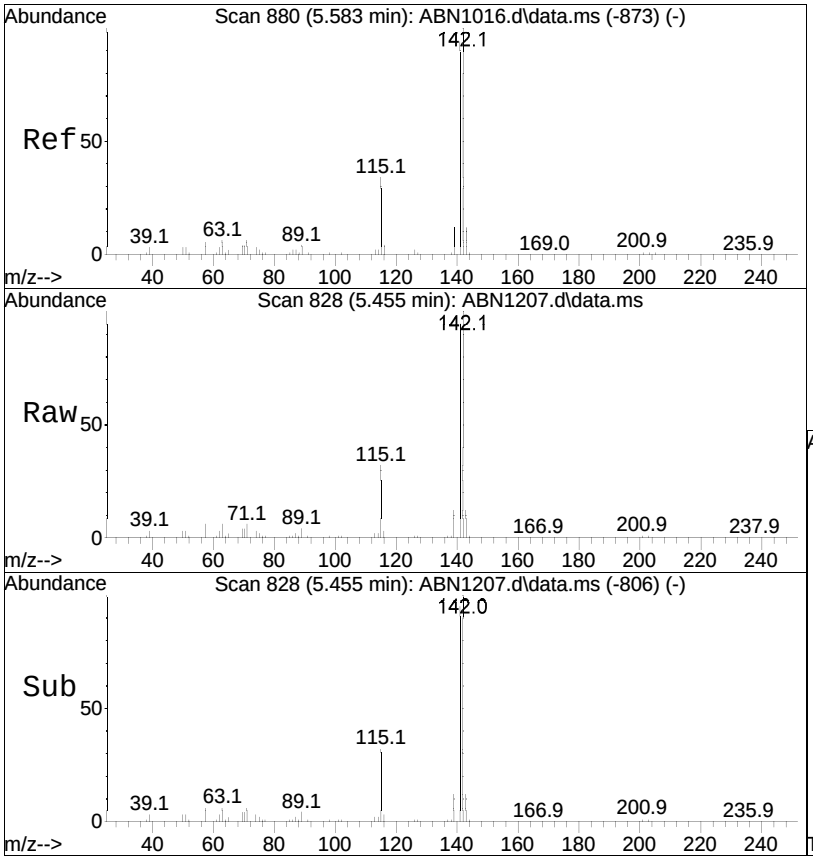


#41
2-Methylnaphthalene
Concen: 47.73 ug/ml
RT: 5.381 min Scan# 814
Delta R.T. -0.005 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:142 Resp: 319143

Ion	Ratio	Lower	Upper
142	100		
141	94.0	69.5	104.3
115	30.7	25.4	38.2

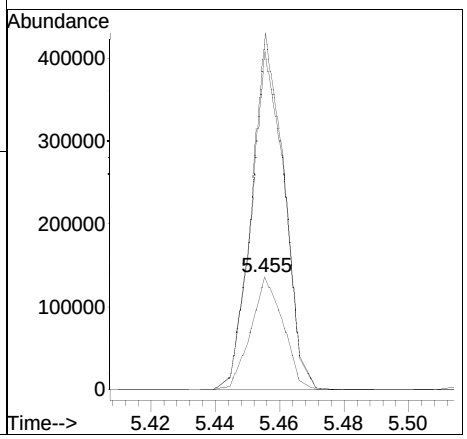


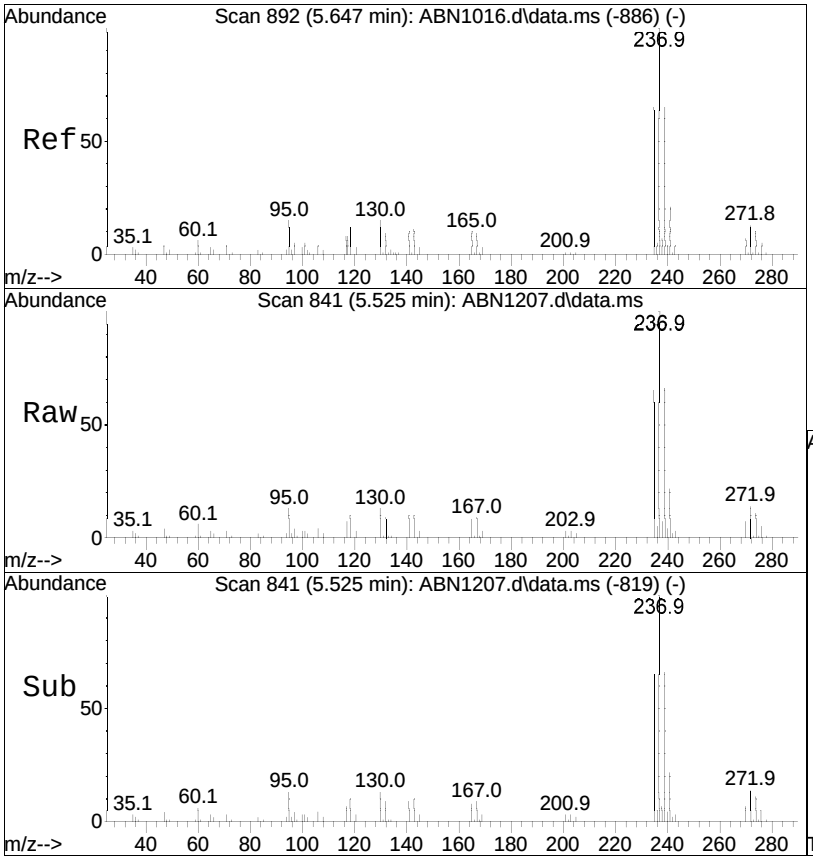


#42
1-Methylnaphthalene
Concen: 44.82 ug/ml
RT: 5.455 min Scan# 828
Delta R.T. -0.005 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:115 Resp: 95379

Ion	Ratio	Lower	Upper
115	100		
141	303.8	218.1	327.1
142	316.7	245.3	367.9

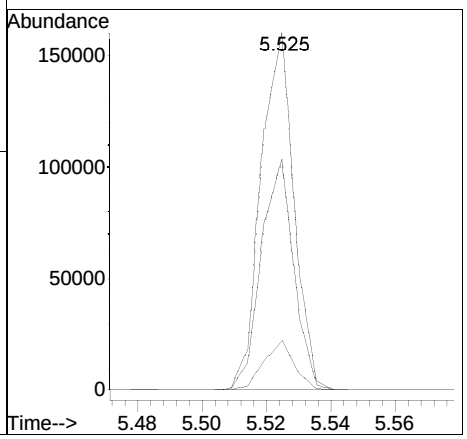


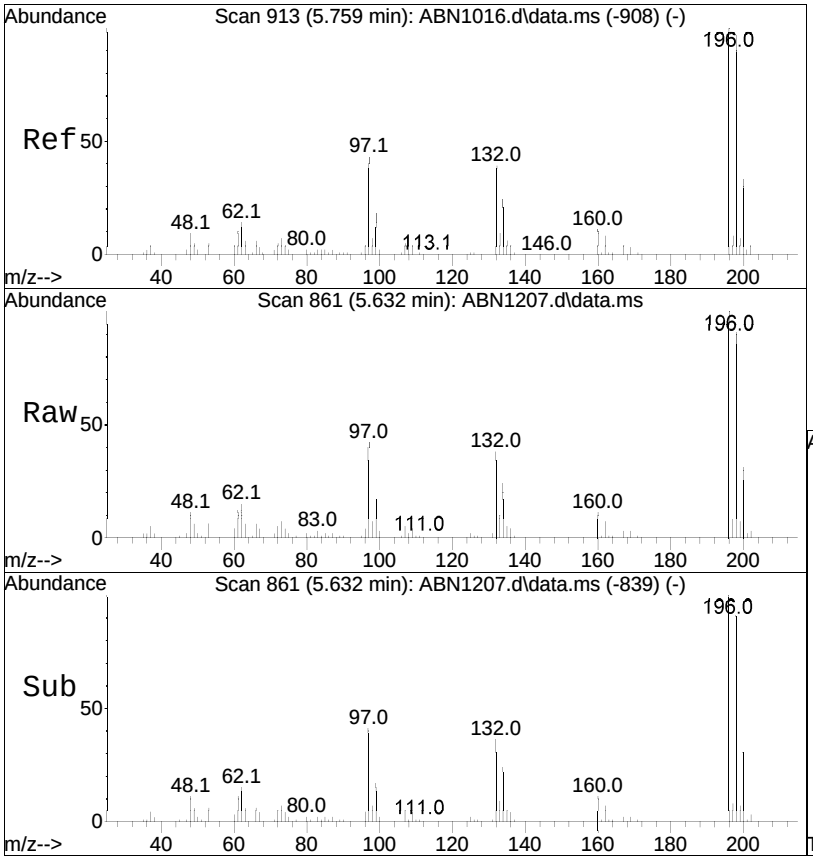


#43
Hexachlorocyclopentadiene
Concen: 40.66 ug/ml
RT: 5.525 min Scan# 841
Delta R.T. -0.005 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:237 Resp: 113601

Ion	Ratio	Lower	Upper
237	100		
235	63.7	49.9	74.9
272	12.9	11.4	17.2

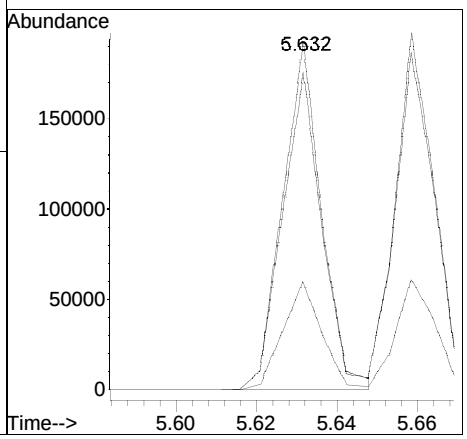


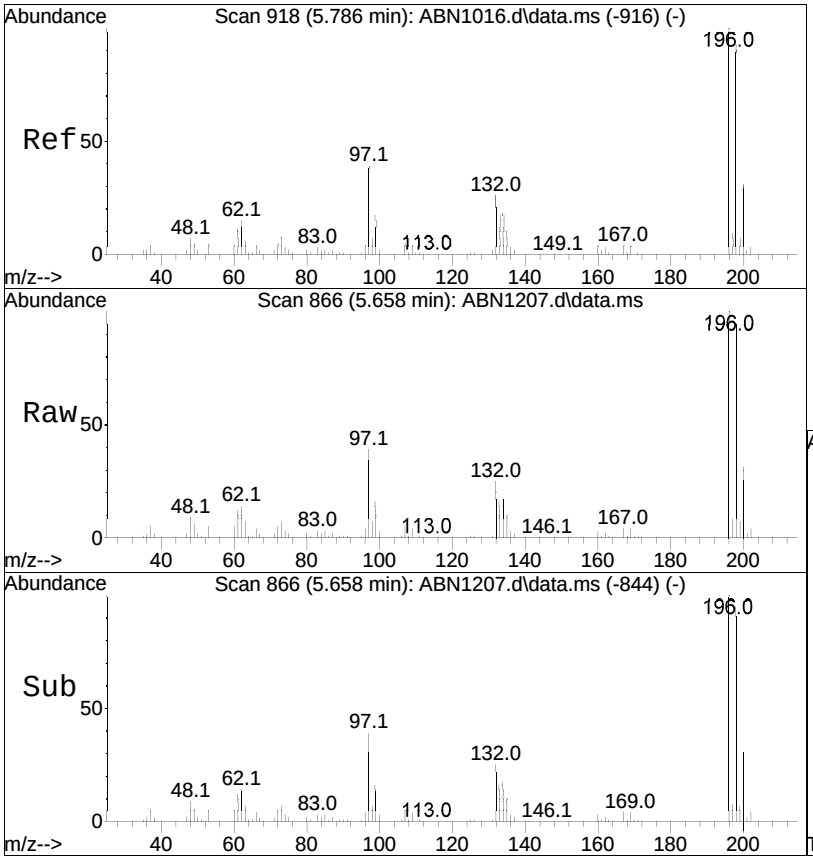


#44
2,4,6-Trichlorophenol
Concen: 54.44 ug/ml
RT: 5.632 min Scan# 861
Delta R.T. -0.005 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:196 Resp: 128906

Ion	Ratio	Lower	Upper
196	100		
198	92.7	77.0	115.6
200	31.4	25.0	37.6

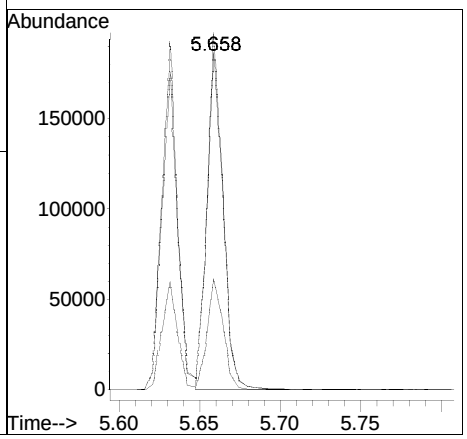


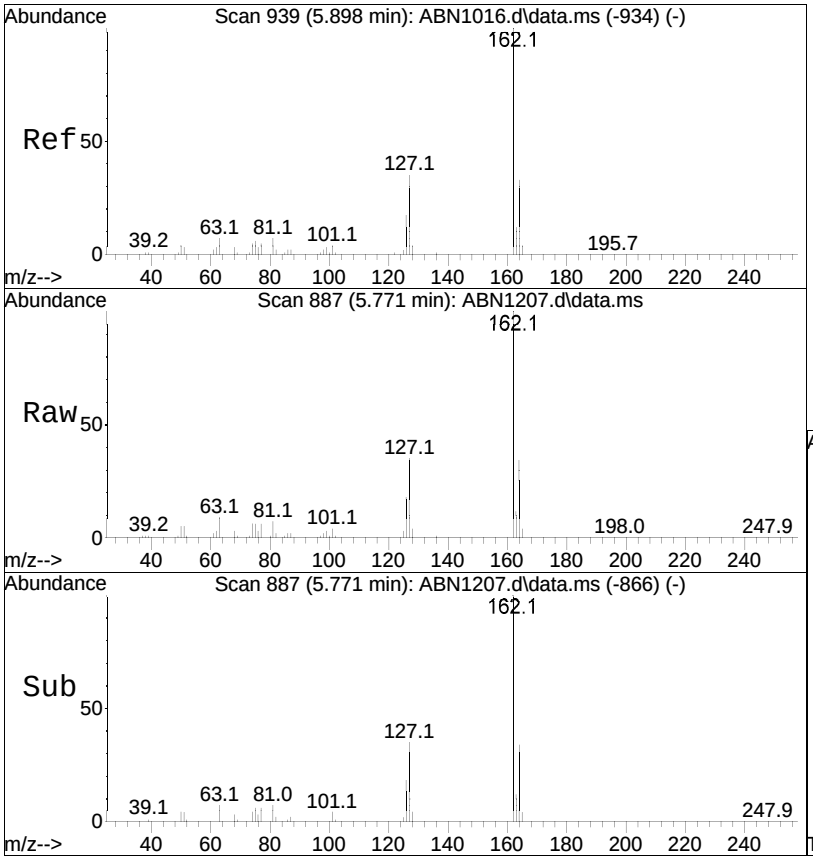


#45
2,4,5-Trichlorophenol
Concen: 52.24 ug/ml
RT: 5.658 min Scan# 866
Delta R.T. -0.005 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:196 Resp: 135622

Ion	Ratio	Lower	Upper
196	100		
200	31.4	24.9	37.3
198	95.2	78.5	117.7

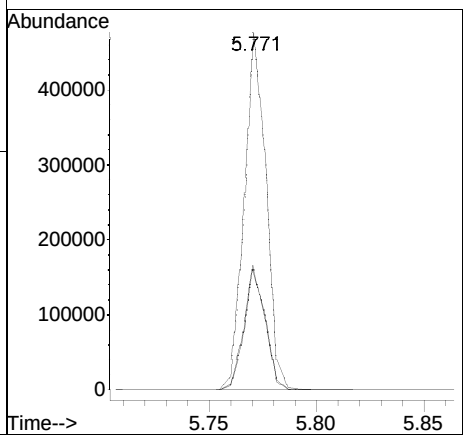


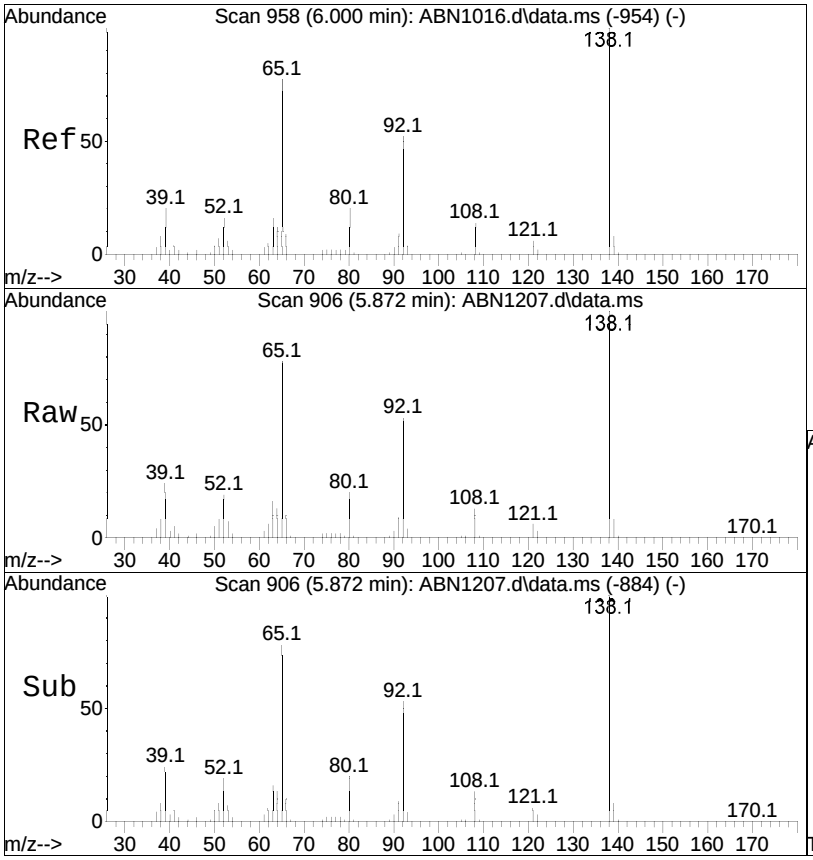


#47
2-Chloronaphthalene
Concen: 48.48 ug/ml
RT: 5.771 min Scan# 887
Delta R.T. -0.011 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:162 Resp: 330601

Ion	Ratio	Lower	Upper
162	100		
127	33.7	28.0	42.0
164	33.2	26.6	39.8

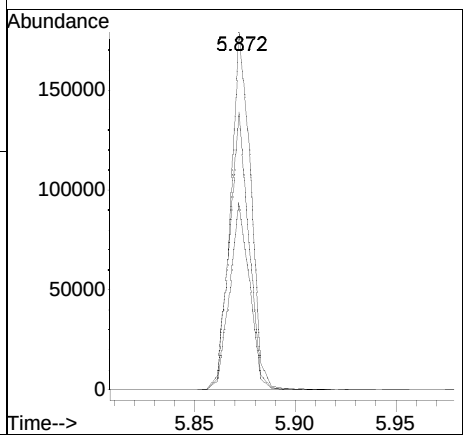


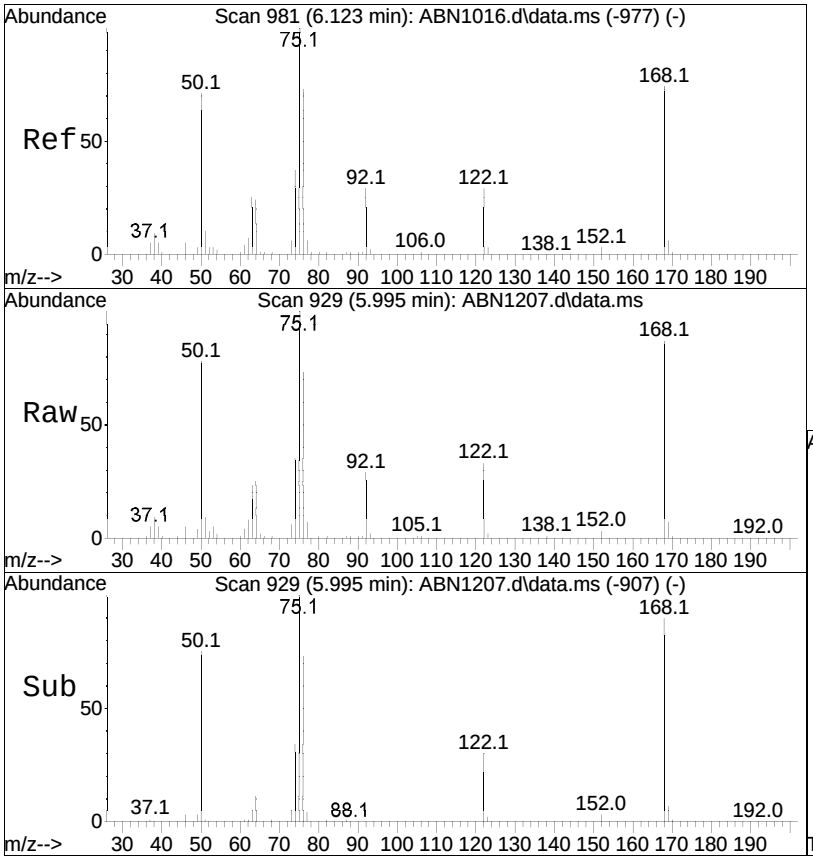


#48
2-Nitroaniline
Concen: 53.68 ug/ml
RT: 5.872 min Scan# 906
Delta R.T. -0.005 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:138 Resp: 122543

Ion	Ratio	Lower	Upper
138	100		
92	52.3	41.7	62.5
65	76.0	61.5	92.3

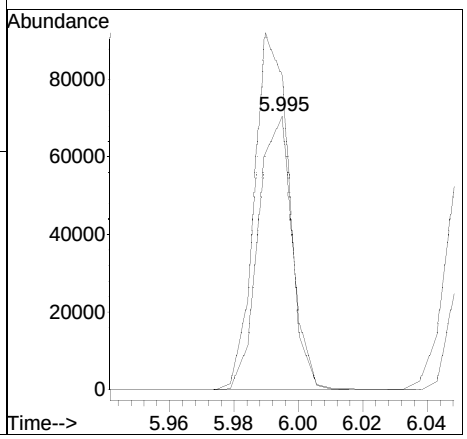


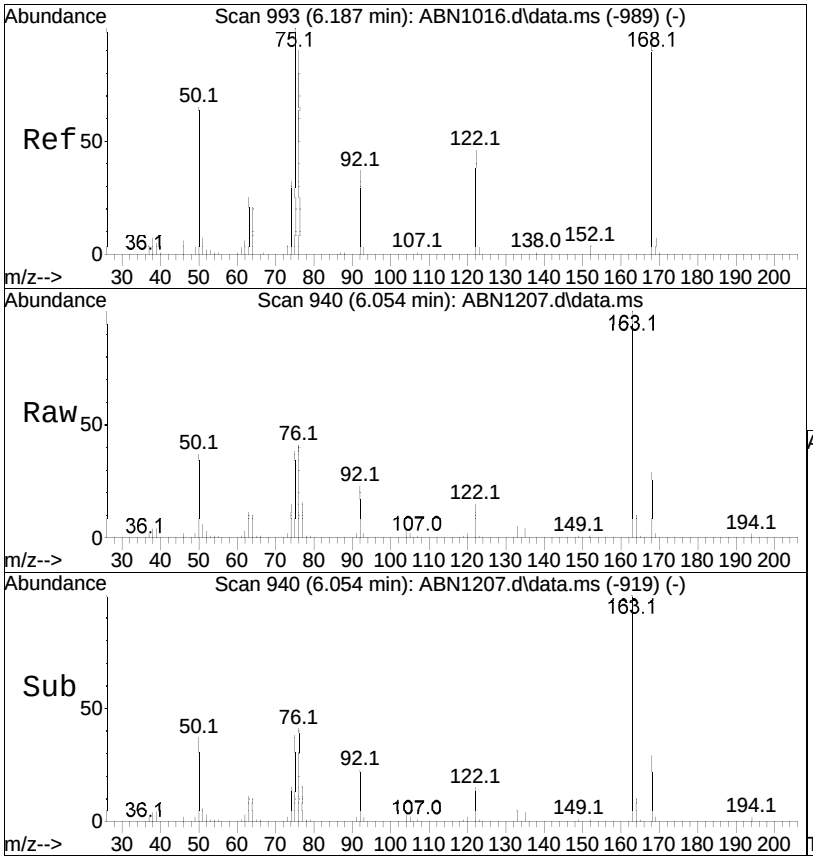


#49
1,4-Dinitrobenzene
Concen: 52.83 ug/ml
RT: 5.995 min Scan# 929
Delta R.T. -0.005 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:168 Resp: 51809

Ion	Ratio	Lower	Upper
168	100		
75	131.8	102.0	153.0

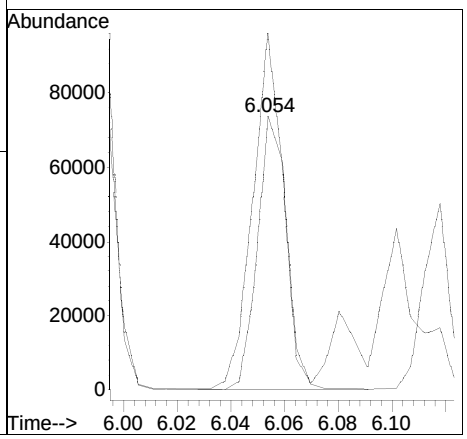


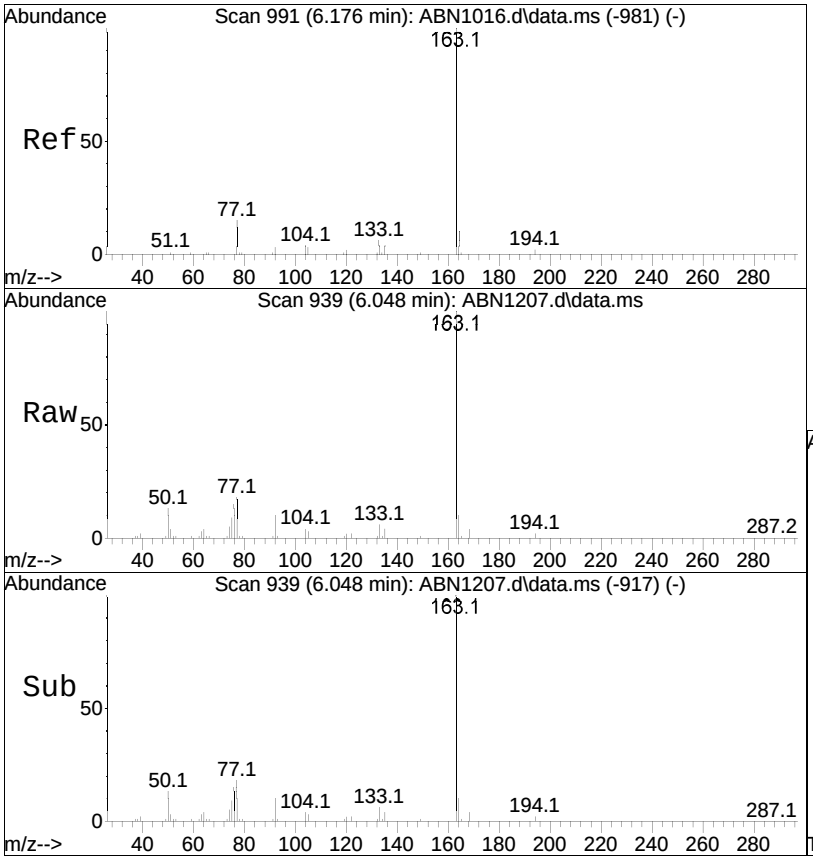


#50
1,3-Dinitrobenzene
Concen: 51.42 ug/ml
RT: 6.054 min Scan# 940
Delta R.T. -0.011 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:168 Resp: 56570

Ion	Ratio	Lower	Upper
168	100		
75	133.7	107.1	160.7

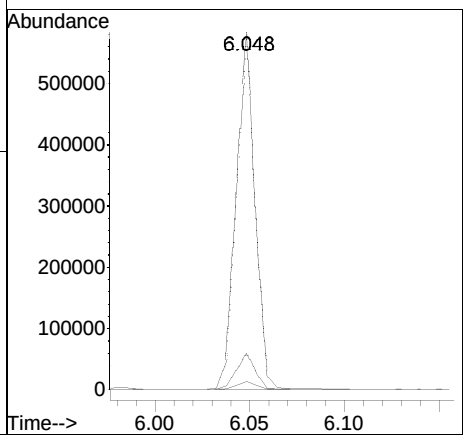


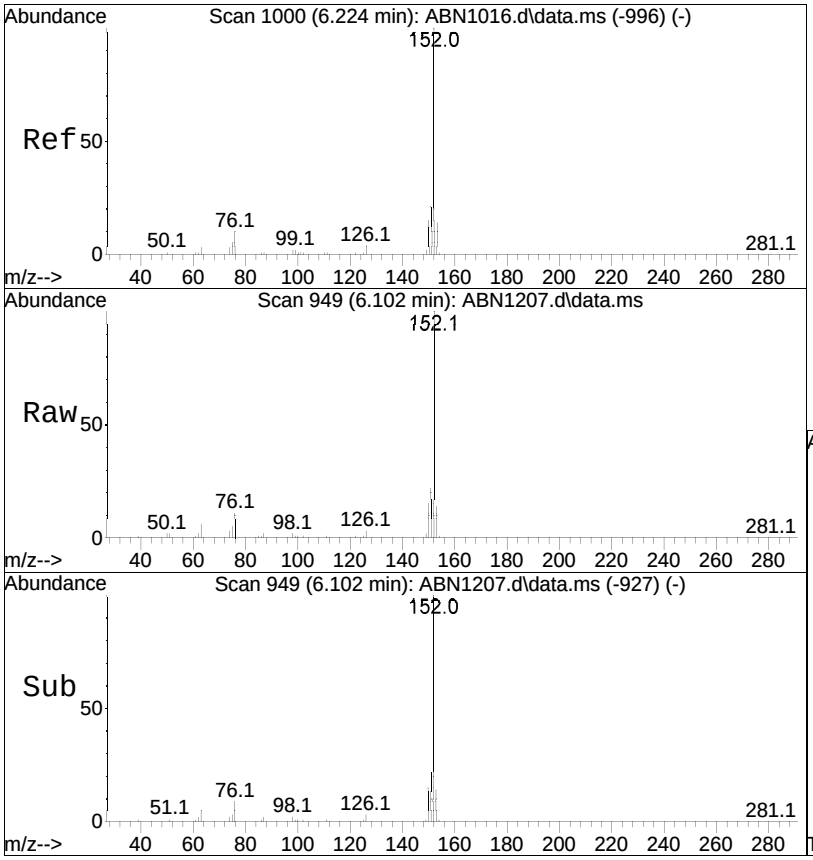


#51
Dimethyl phthalate
Concen: 49.93 ug/ml
RT: 6.048 min Scan# 939
Delta R.T. -0.005 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:163 Resp: 393854

Ion	Ratio	Lower	Upper
163	100		
194	2.1	3.4	5.2#
164	10.2	8.4	12.6

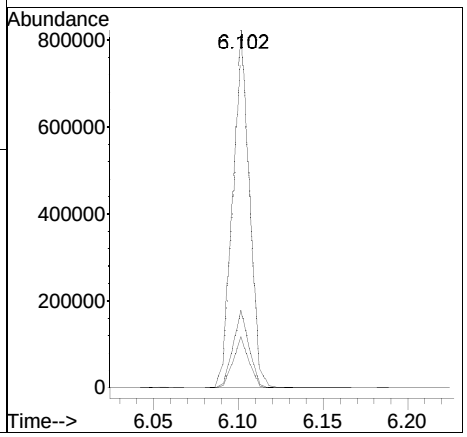


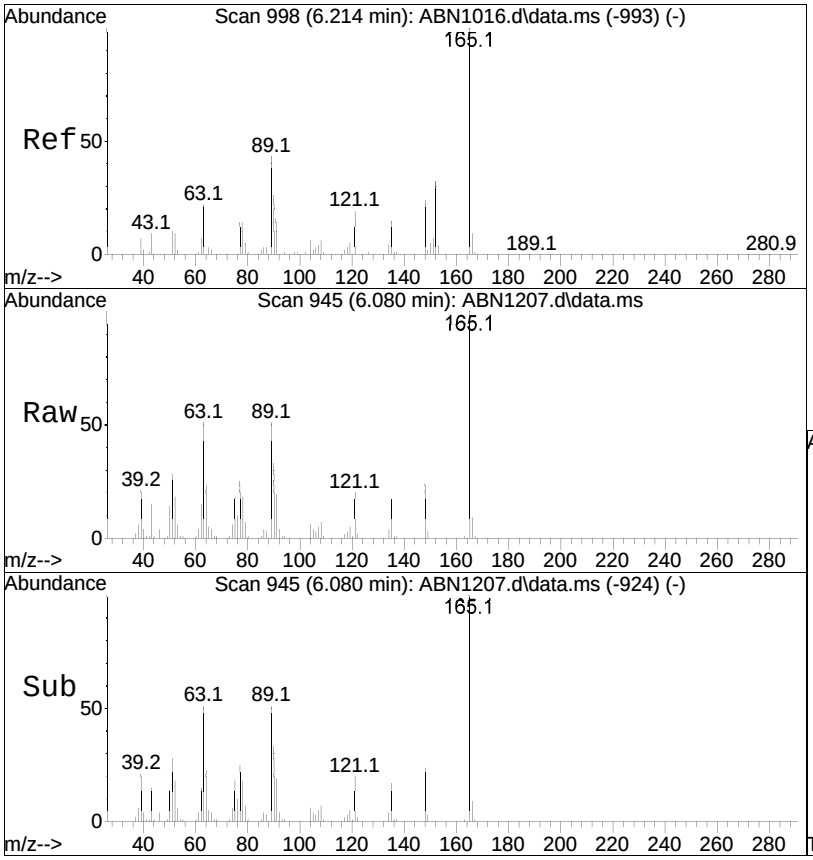


#52
Acenaphthylene
Concen: 53.64 ug/ml
RT: 6.102 min Scan# 949
Delta R.T. -0.005 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:152 Resp: 555660

Ion	Ratio	Lower	Upper
152	100		
151	21.3	16.7	25.1
153	13.7	11.1	16.7

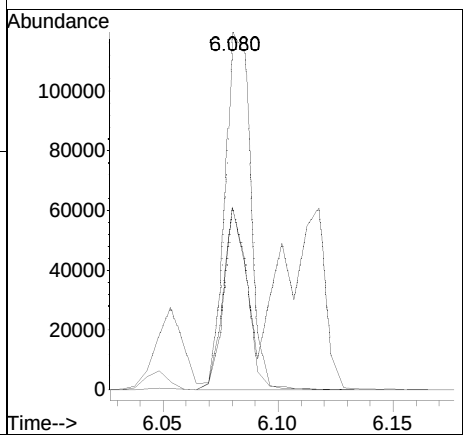


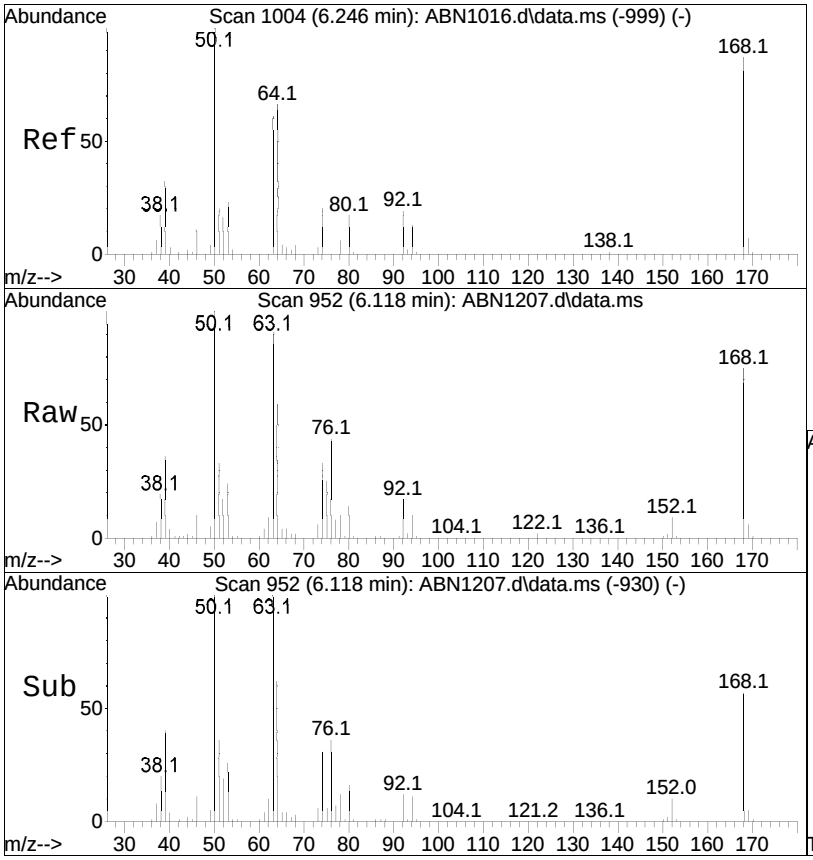


#53
2,6-Dinitrotoluene
Concen: 54.47 ug/ml
RT: 6.080 min Scan# 945
Delta R.T. -0.011 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:165 Resp: 92475

Ion	Ratio	Lower	Upper
165	100		
89	47.0	43.1	64.7
63	48.2	42.7	64.1

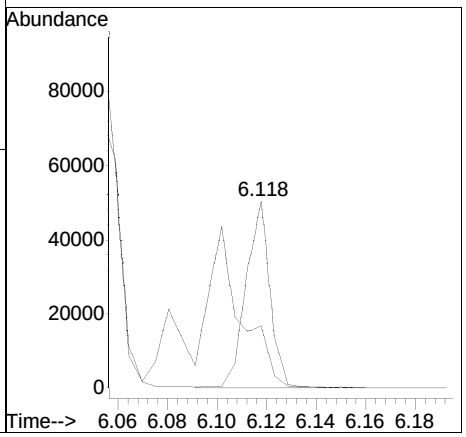


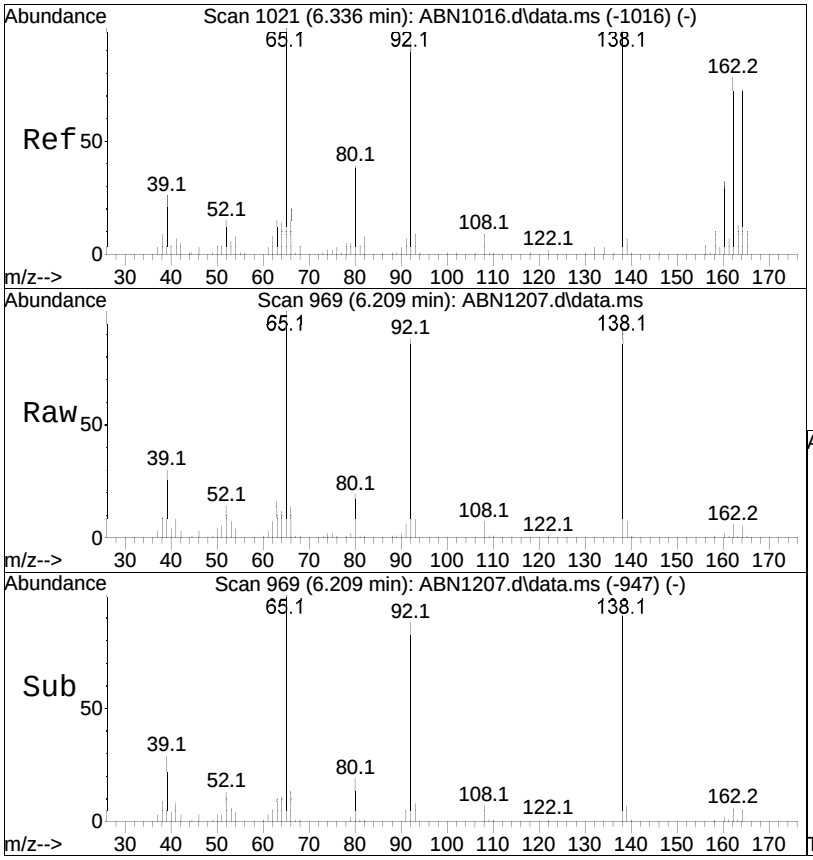


#54
1,2-Dinitrobenzene
Concen: 49.82 ug/ml
RT: 6.118 min Scan# 952
Delta R.T. -0.005 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:168 Resp: 33796

Ion	Ratio	Lower	Upper
168	100		
75	117.5	92.2	138.2

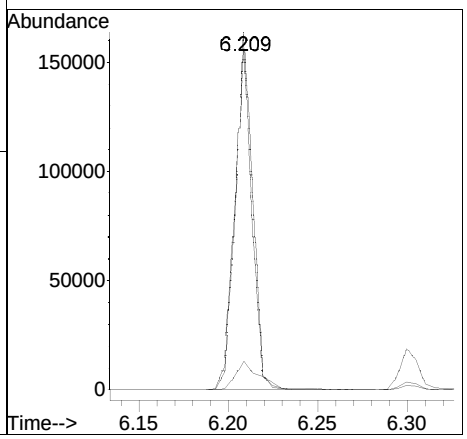


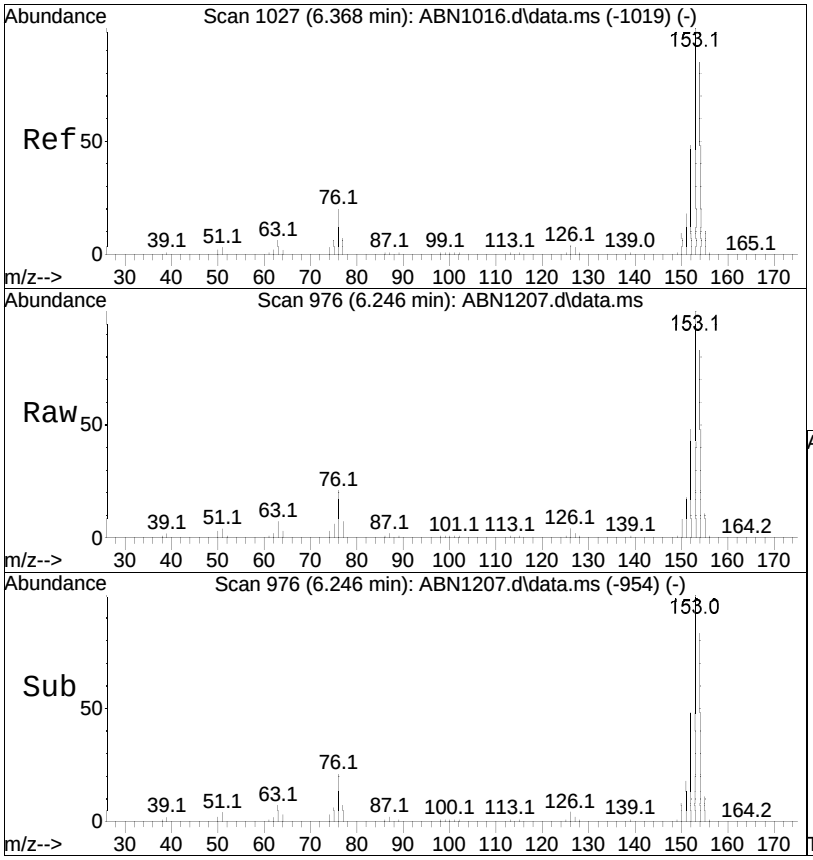


#64
3-Nitroaniline
Concen: 50.96 ug/ml
RT: 6.209 min Scan# 969
Delta R.T. -0.005 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:138 Resp: 108534

Ion	Ratio	Lower	Upper
138	100		
92	95.4	77.5	116.3
108	11.0	7.0	10.4#

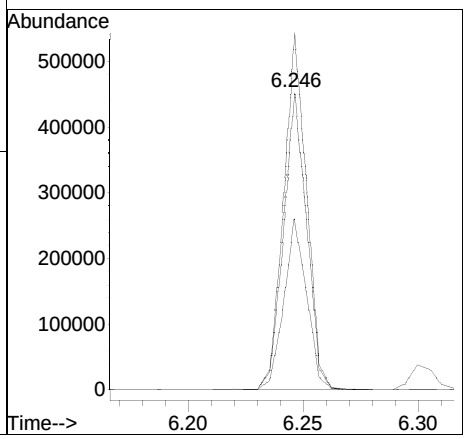


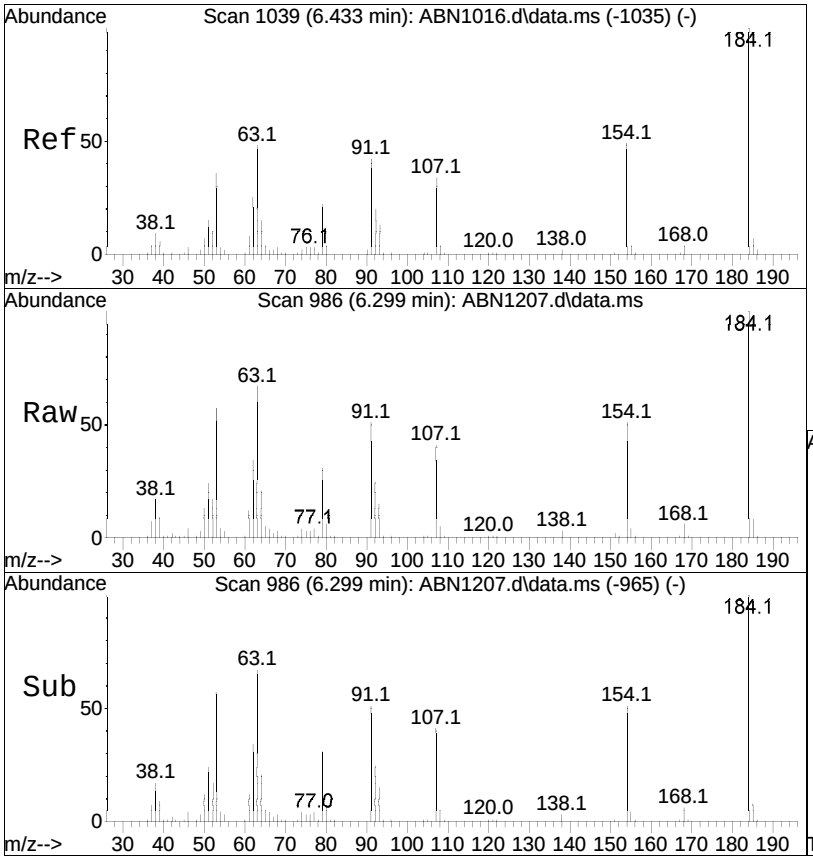


#65
Acenaphthene
Concen: 47.43 ug/ml
RT: 6.246 min Scan# 976
Delta R.T. -0.005 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:154 Resp: 315316

Ion	Ratio	Lower	Upper
154	100		
153	118.7	89.4	134.0
152	56.8	42.2	63.2

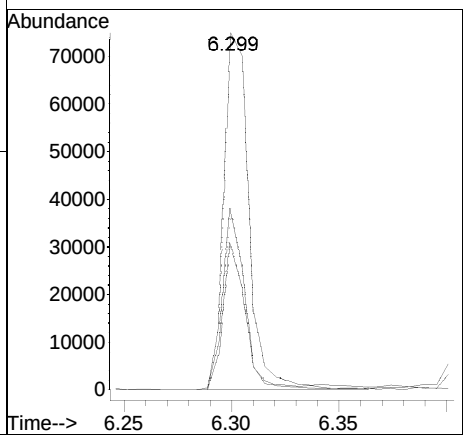


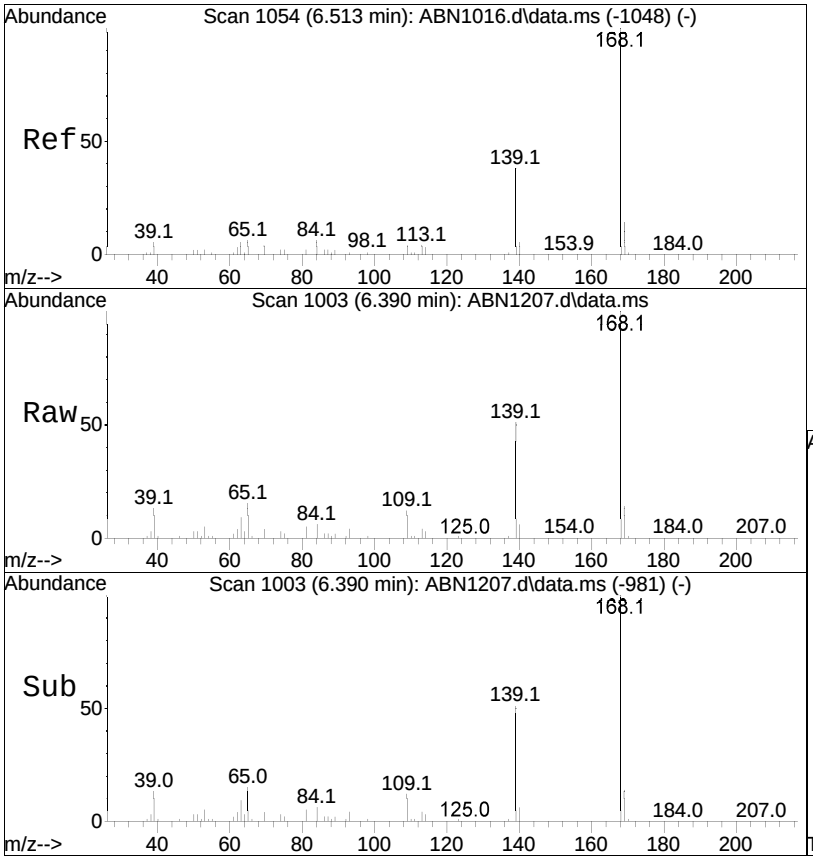


#66
2,4-Dinitrophenol
Concen: 45.29 ug/ml
RT: 6.299 min Scan# 986
Delta R.T. -0.011 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:184 Resp: 61227

Ion	Ratio	Lower	Upper
184	100		
107	37.0	31.4	47.2
91	45.6	37.2	55.8

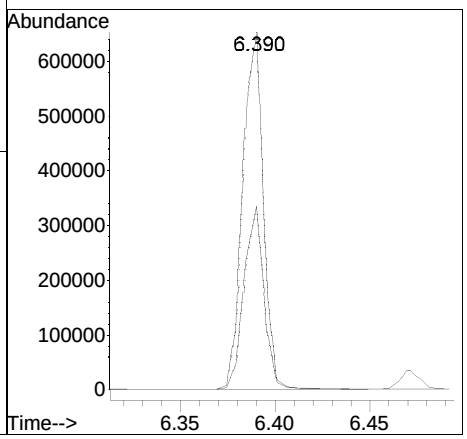


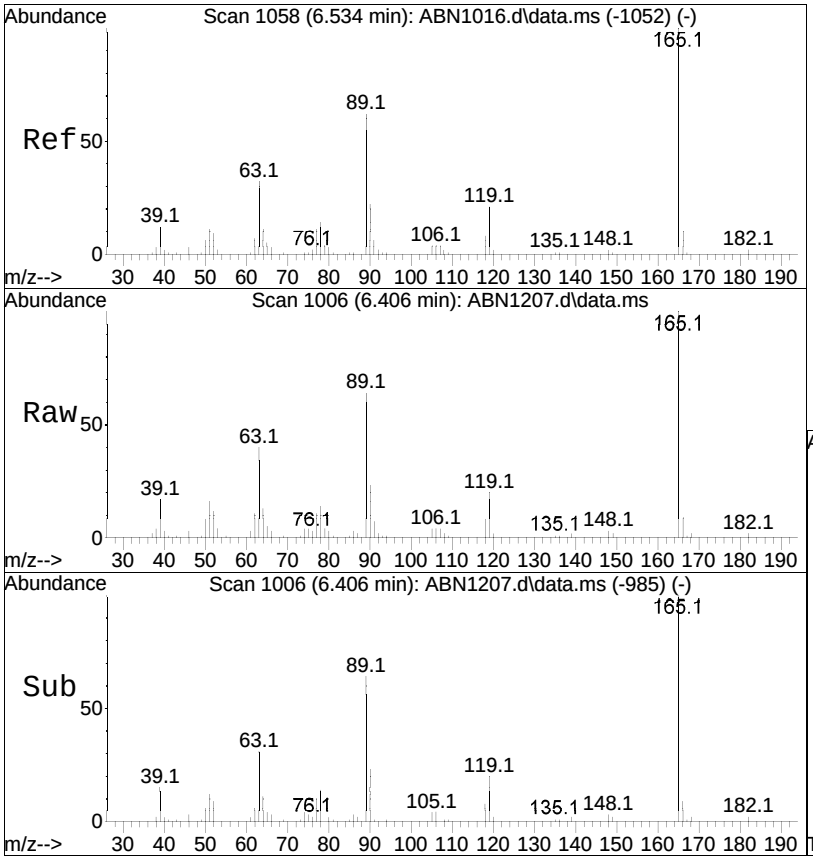


#67
Dibenzofuran
Concen: 46.91 ug/ml
RT: 6.390 min Scan# 1003
Delta R.T. -0.005 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:168 Resp: 484265

Ion	Ratio	Lower	Upper
168	100		
139	50.0	28.0	42.0#

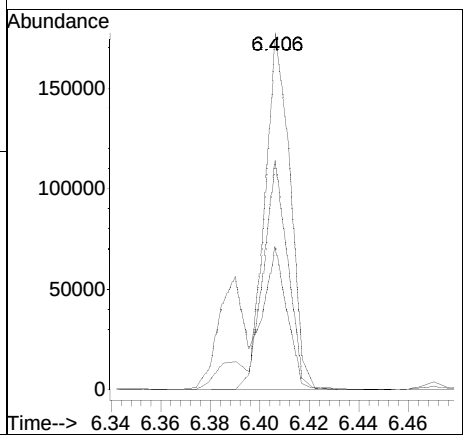


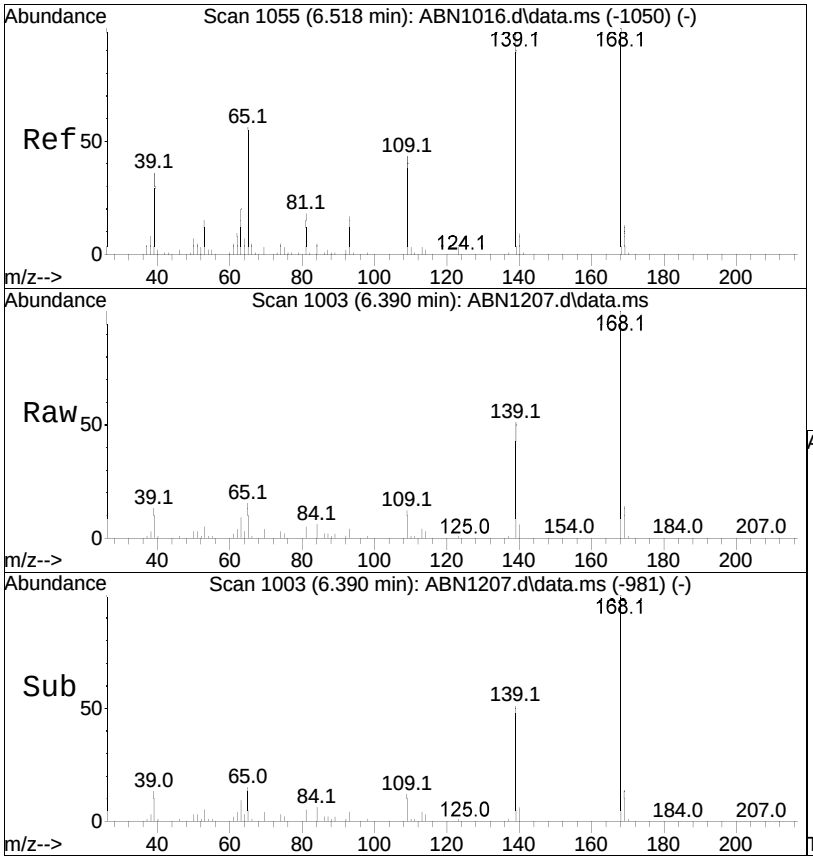


#68
2,4-Dinitrotoluene
Concen: 50.73 ug/ml
RT: 6.406 min Scan# 1006
Delta R.T. -0.011 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:165 Resp: 125697

Ion	Ratio	Lower	Upper
165	100		
89	70.1	63.0	94.6
63	37.1	50.3	75.5#

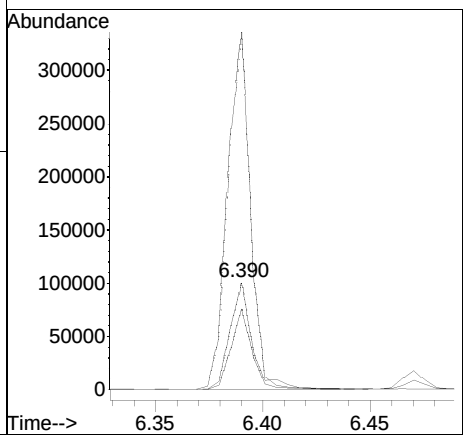


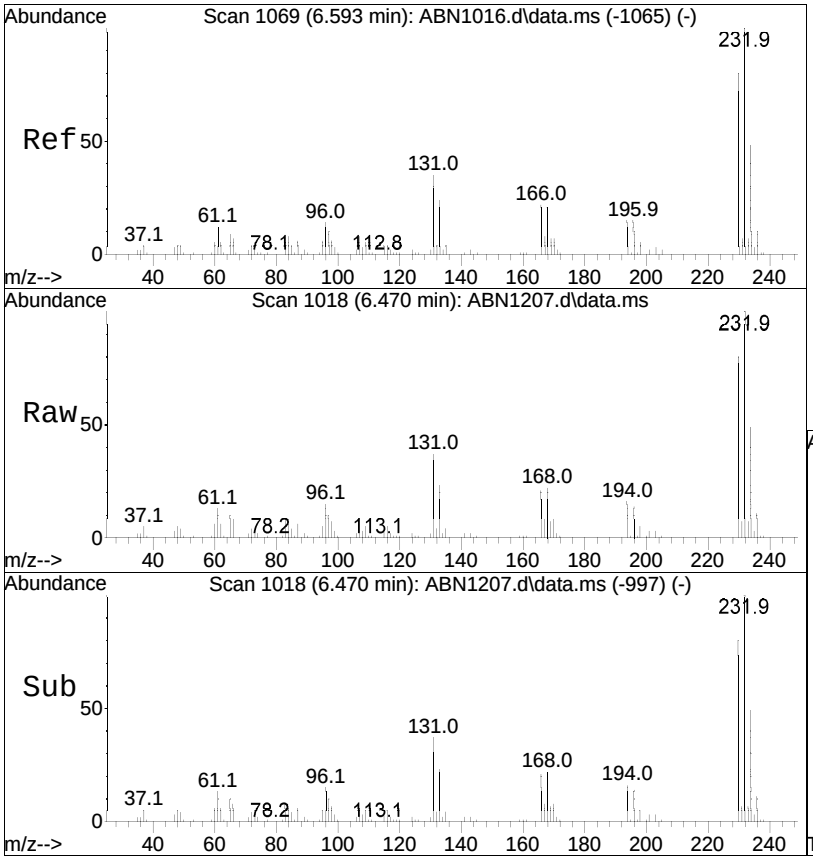


#69
4-Nitrophenol
Concen: 46.57 ug/ml
RT: 6.390 min Scan# 1003
Delta R.T. -0.005 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion: 65 Resp: 72496

Ion	Ratio	Lower	Upper
65	100		
109	69.9	55.3	82.9
139	334.0	95.1	142.7#

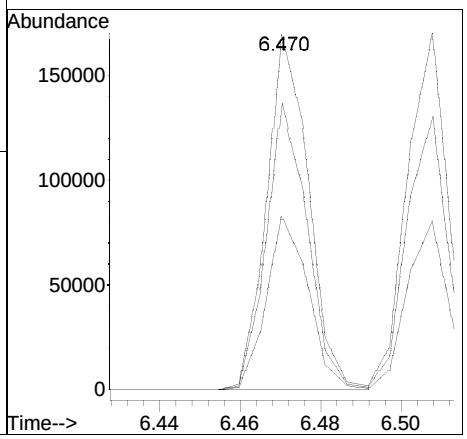


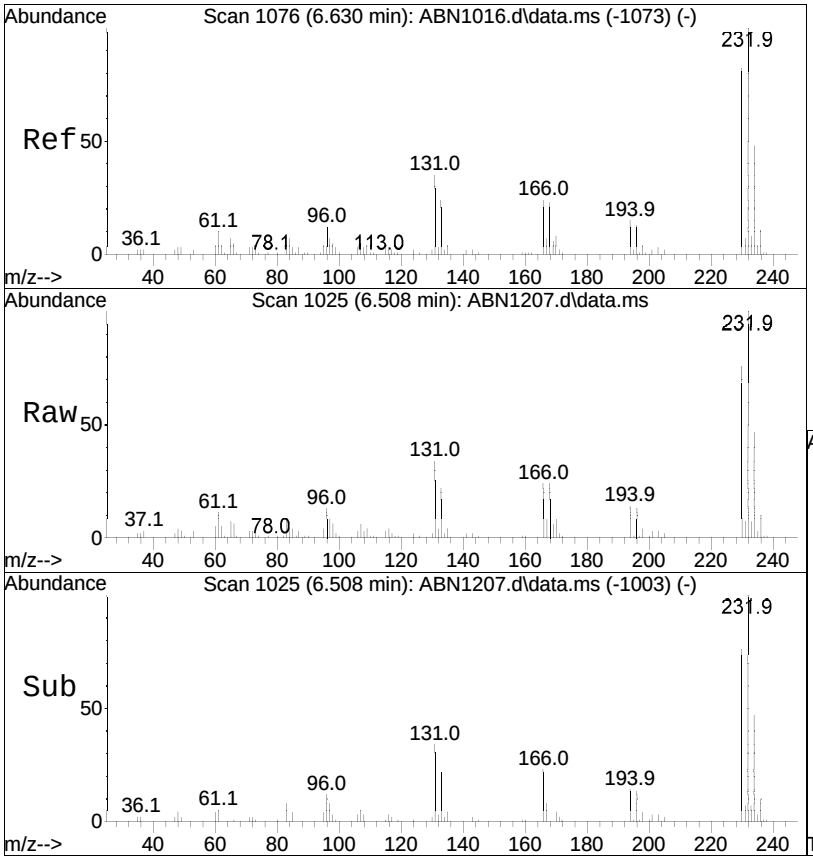


#70
2,3,5,6-Tetrachlorophenol
Concen: 49.37 ug/ml
RT: 6.470 min Scan# 1018
Delta R.T. -0.011 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:232 Resp: 123132

Ion	Ratio	Lower	Upper
232	100		
230	78.9	64.4	96.6
234	48.9	38.9	58.3

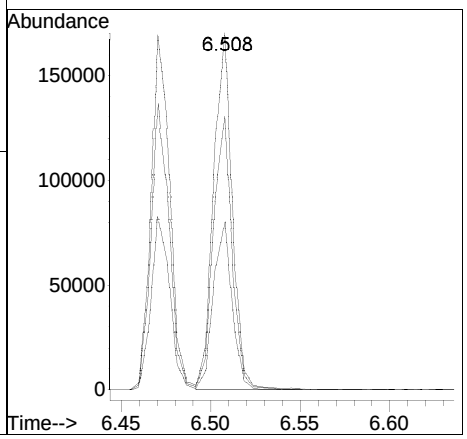


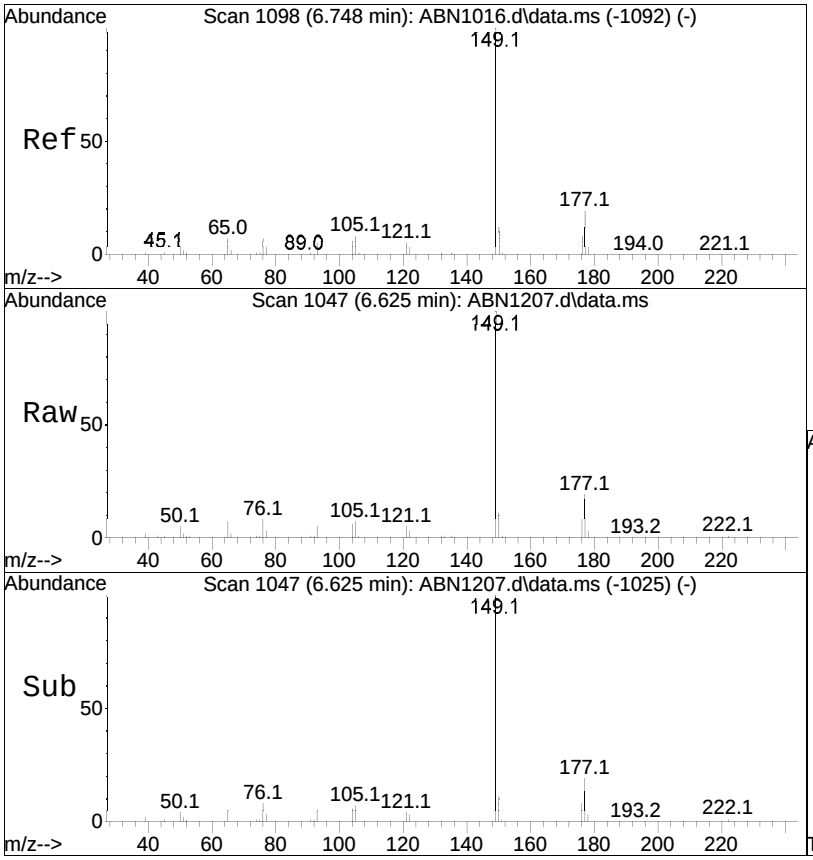


#71
2,3,4,6-Tetrachlorophenol
Concen: 48.95 ug/ml
RT: 6.508 min Scan# 1025
Delta R.T. -0.005 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:232 Resp: 124007

Ion	Ratio	Lower	Upper
232	100		
230	75.7	64.2	96.4
234	47.9	38.4	57.6

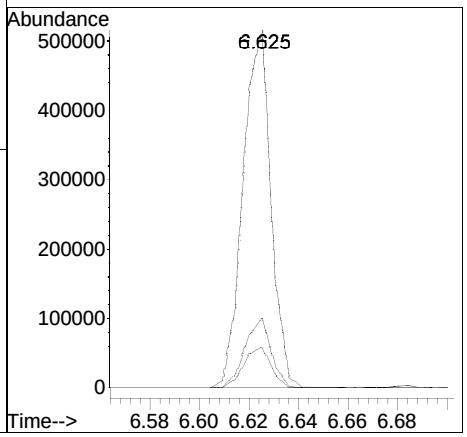


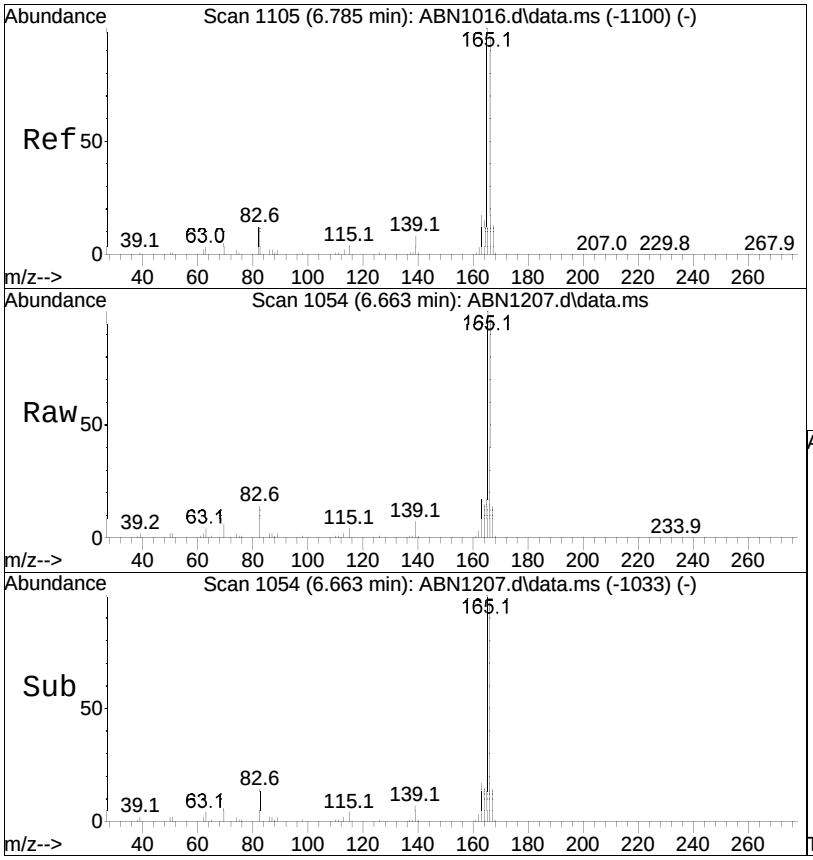


#72
Diethyl phthalate
Concen: 47.86 ug/ml
RT: 6.625 min Scan# 1047
Delta R.T. -0.005 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:149 Resp: 399894

Ion	Ratio	Lower	Upper
149	100		
177	18.5	16.2	24.2
150	11.3	9.4	14.0

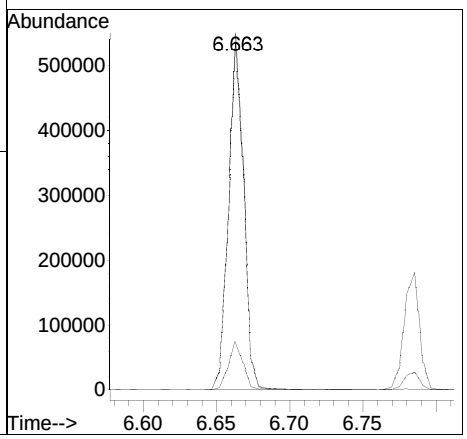


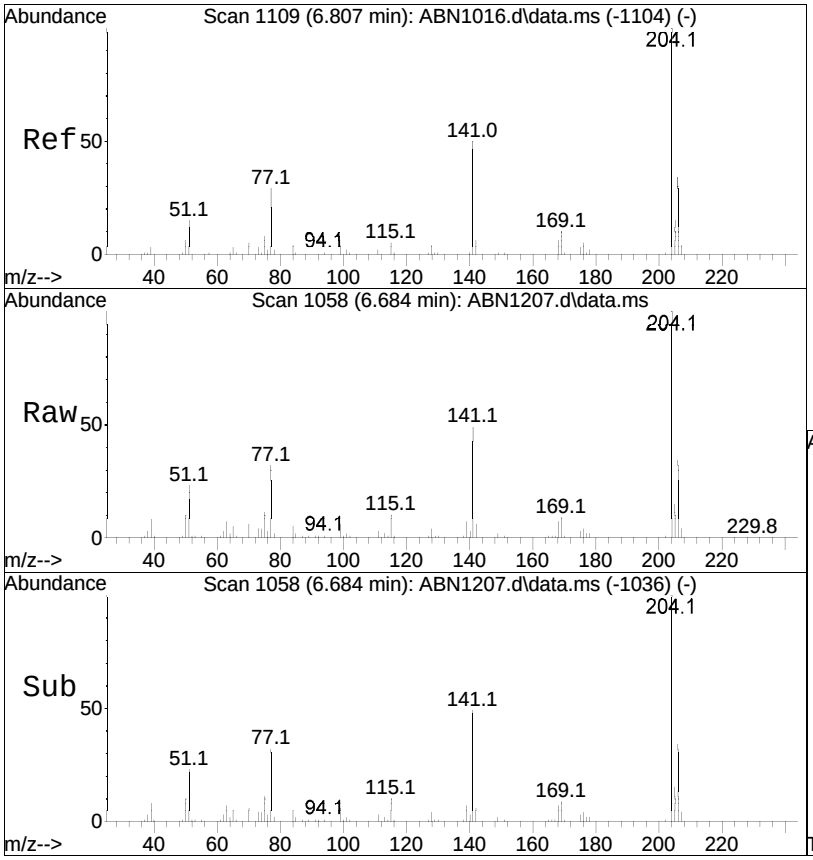


#73
Fluorene
Concen: 47.44 ug/ml
RT: 6.663 min Scan# 1054
Delta R.T. -0.011 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:166 Resp: 386139

Ion	Ratio	Lower	Upper
166	100		
165	102.9	77.2	115.8
167	13.7	10.9	16.3

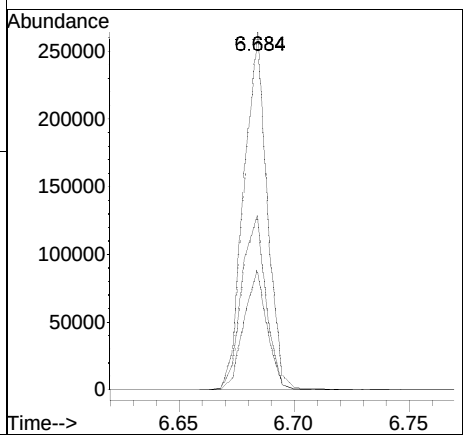


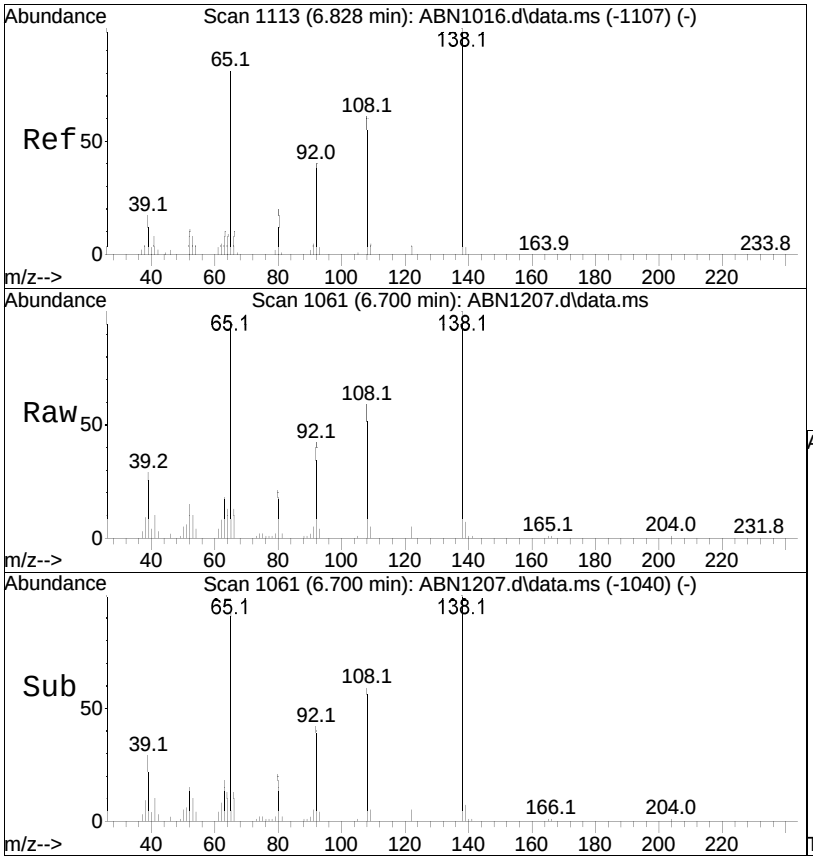


#74
4-Chlorophenyl phenyl ether
Concen: 47.29 ug/ml
RT: 6.684 min Scan# 1058
Delta R.T. -0.005 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:204 Resp: 184446

Ion	Ratio	Lower	Upper
204	100		
206	33.7	27.0	40.6
141	51.2	42.2	63.2

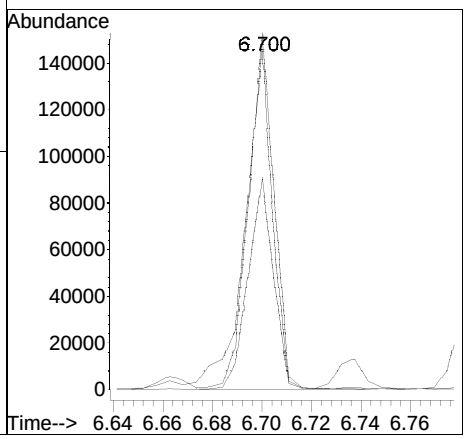


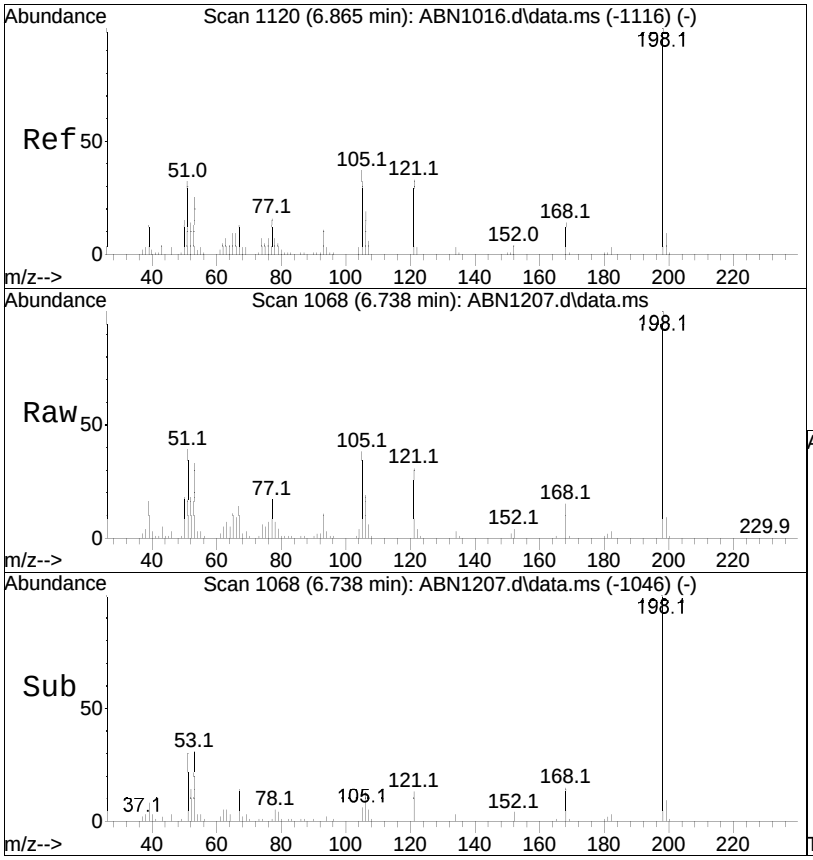


#75
4-Nitroaniline
Concen: 49.44 ug/ml
RT: 6.700 min Scan# 1061
Delta R.T. -0.011 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:138 Resp: 108507

Ion	Ratio	Lower	Upper
138	100		
108	58.8	46.7	70.1
65	102.7	81.2	121.8

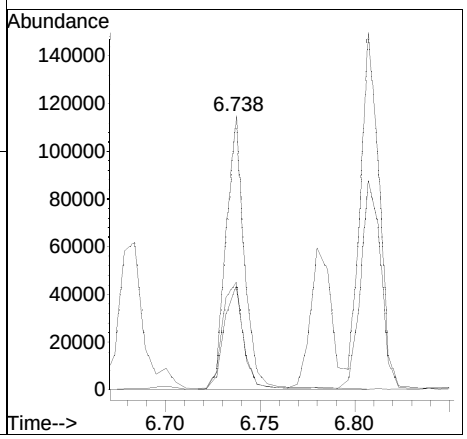


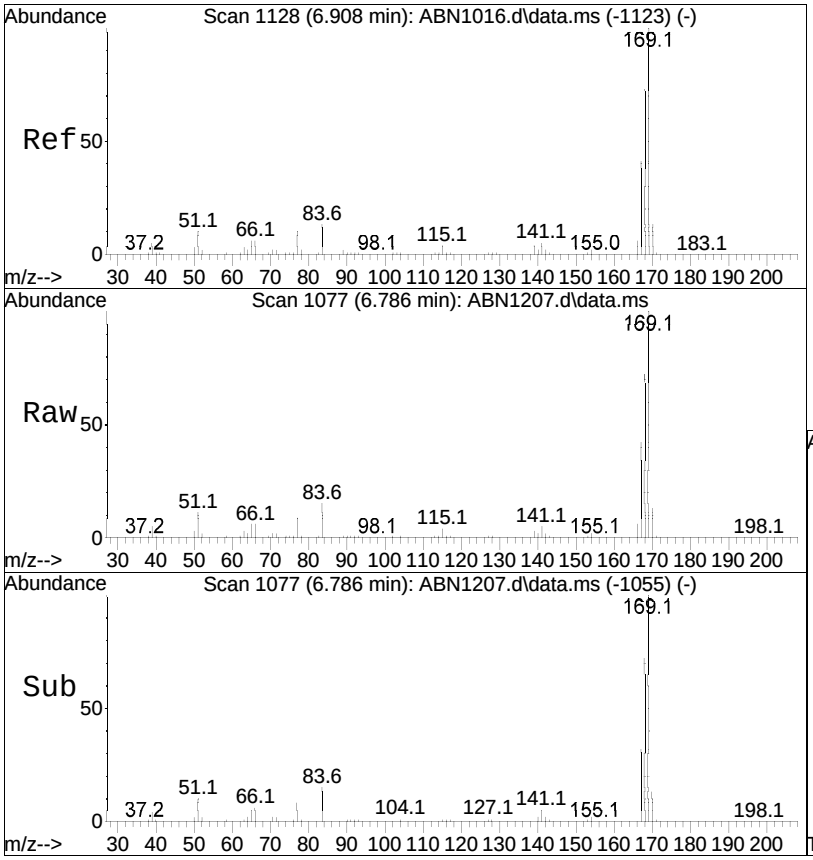


#76
4,6-Dinitro-o-cresol
Concen: 50.34 ug/ml
RT: 6.738 min Scan# 1068
Delta R.T. -0.005 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:198 Resp: 77813

Ion	Ratio	Lower	Upper
198	100		
51	43.7	35.0	52.6
105	40.8	32.3	48.5

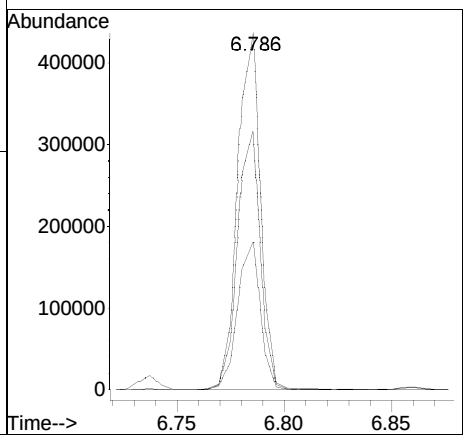


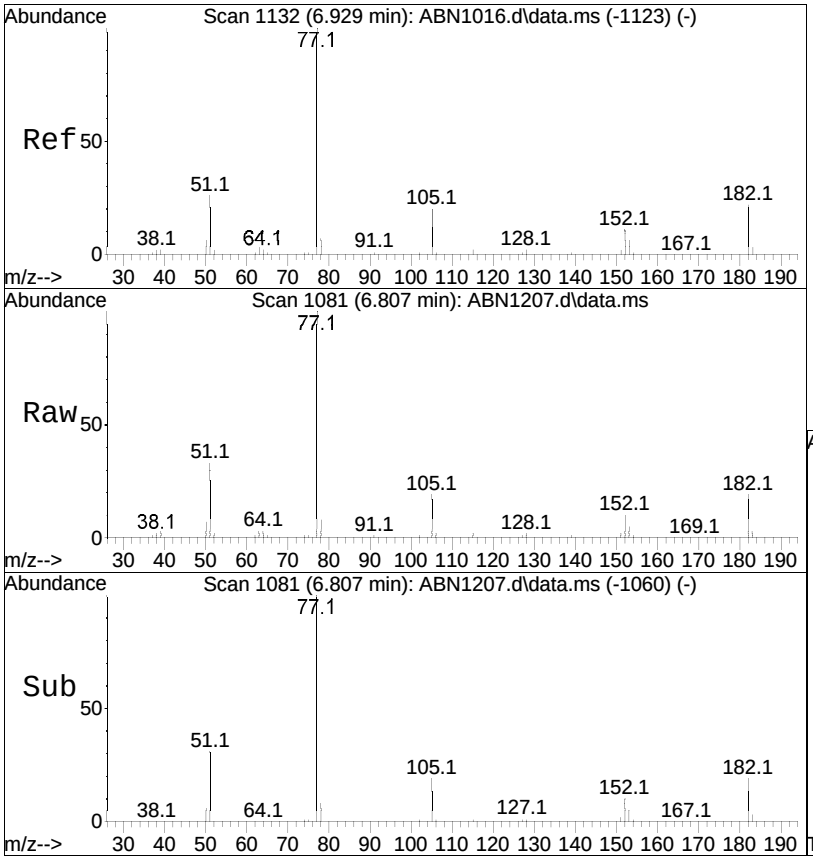


#77
NDPA/DPA
Concen: 47.97 ug/ml
RT: 6.786 min Scan# 1077
Delta R.T. -0.005 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:169 Resp: 322631

Ion	Ratio	Lower	Upper
169	100		
168	72.5	54.6	82.0
167	41.7	30.7	46.1

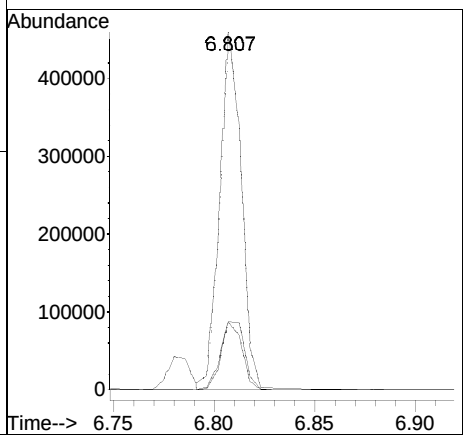


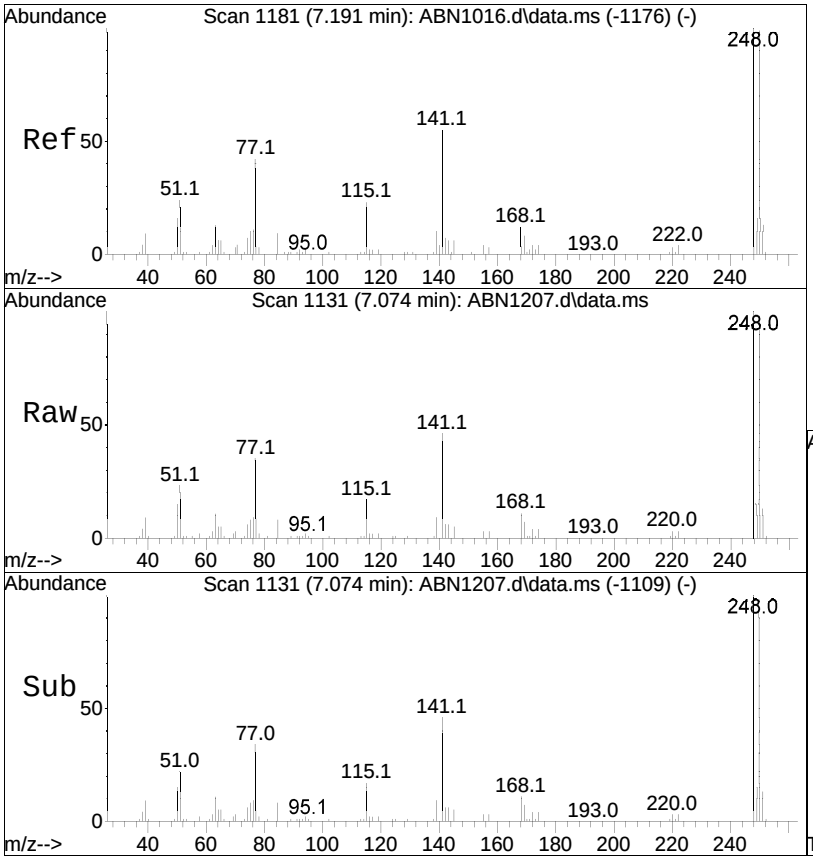


#78
Azobenzene
Concen: 45.84 ug/ml
RT: 6.807 min Scan# 1081
Delta R.T. -0.011 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion: 77 Resp: 337469

Ion	Ratio	Lower	Upper
77	100		
182	21.1	19.8	29.8
105	19.6	12.1	18.1#

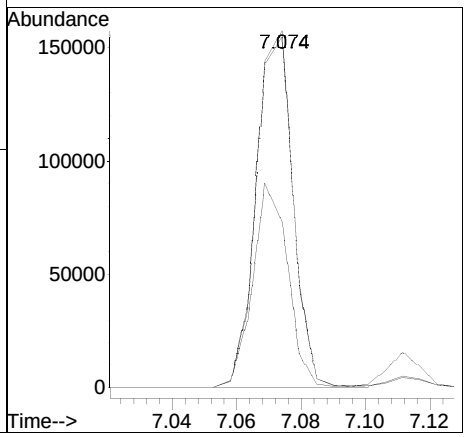


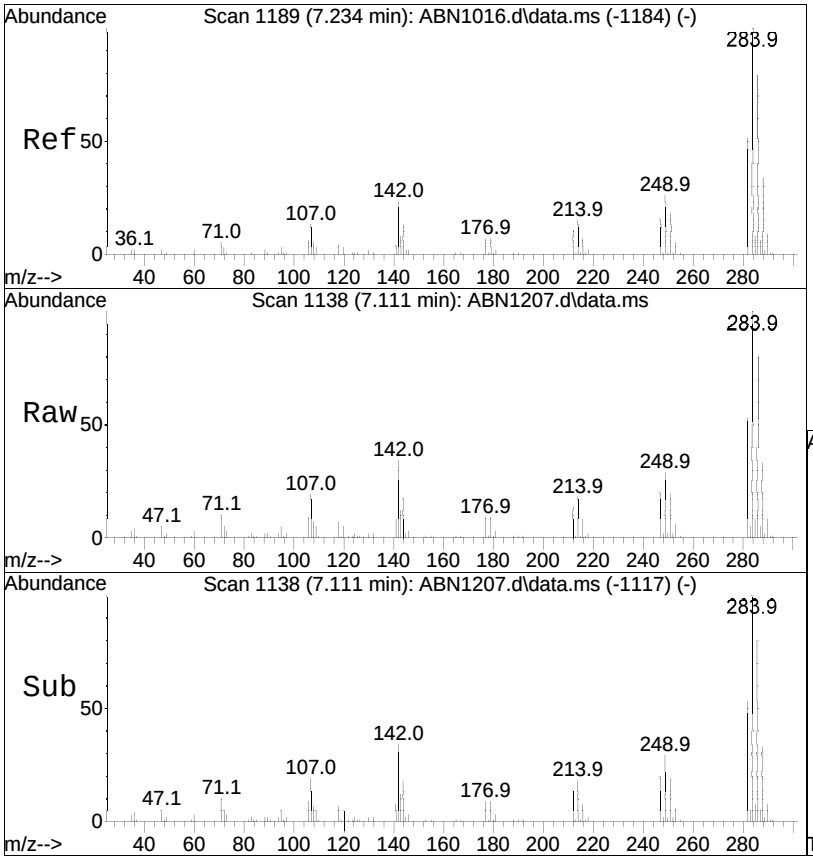


#80
4-Bromophenyl phenyl ether
Concen: 49.92 ug/ml
RT: 7.074 min Scan# 1131
Delta R.T. -0.005 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:248 Resp: 125092

Ion	Ratio	Lower	Upper
248	100		
141	54.5	46.6	70.0
250	98.6	79.4	119.2

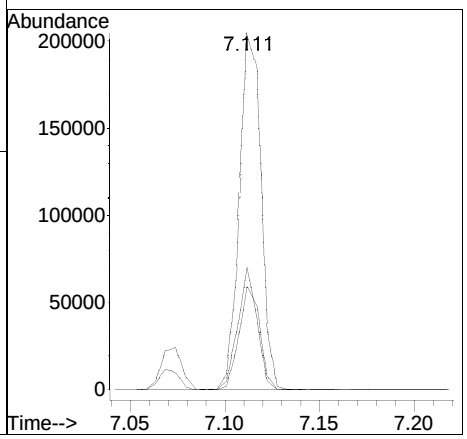


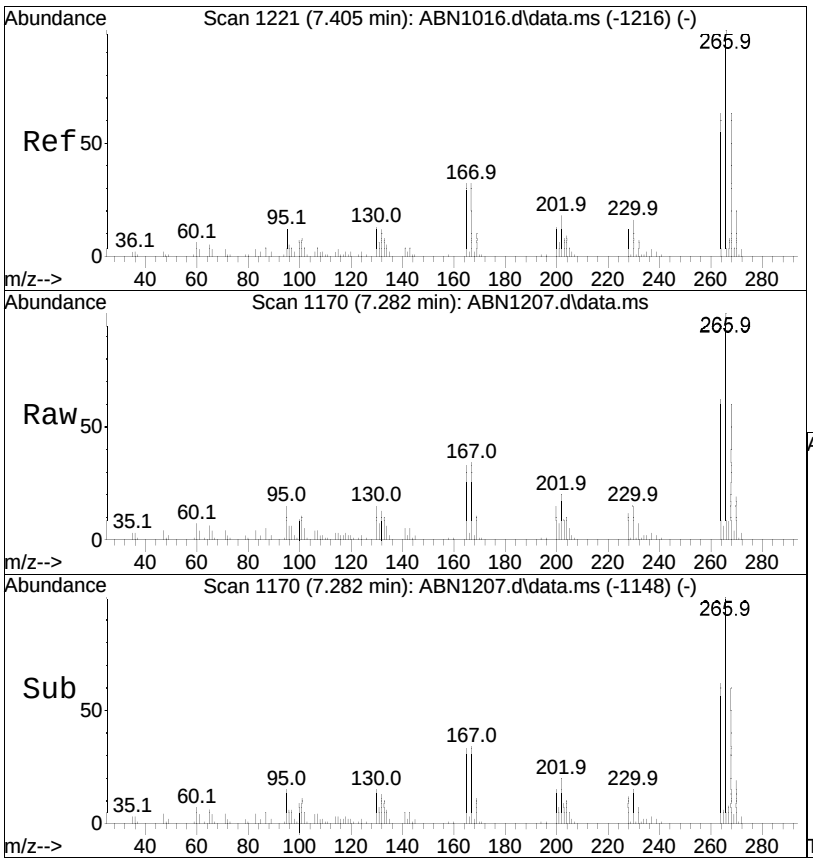


#81
Hexachlorobenzene
Concen: 55.79 ug/ml
RT: 7.111 min Scan# 1138
Delta R.T. -0.011 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:284 Resp: 163455

Ion	Ratio	Lower	Upper
284	100		
142	30.5	26.0	39.0
249	27.9	20.6	30.8

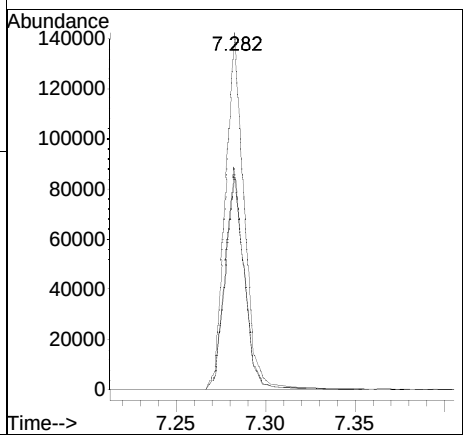


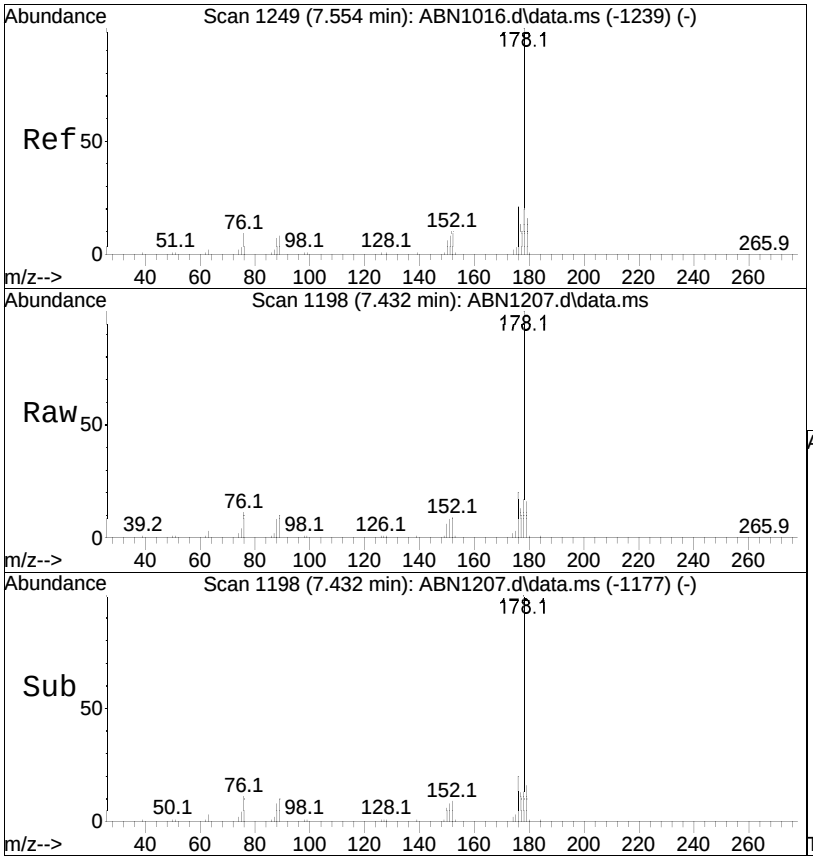


#82
Pentachlorophenol
Concen: 47.71 ug/ml
RT: 7.282 min Scan# 1170
Delta R.T. -0.005 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:266 Resp: 103932

Ion	Ratio	Lower	Upper
266	100		
264	63.1	51.2	76.8
268	61.5	51.5	77.3

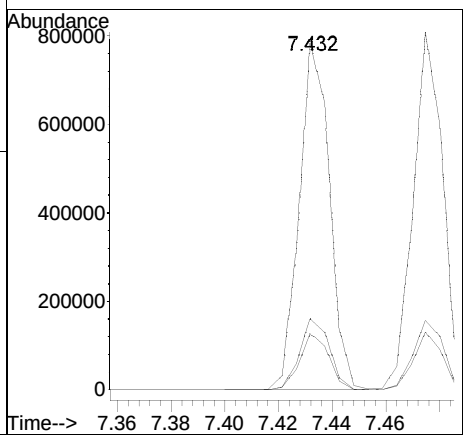


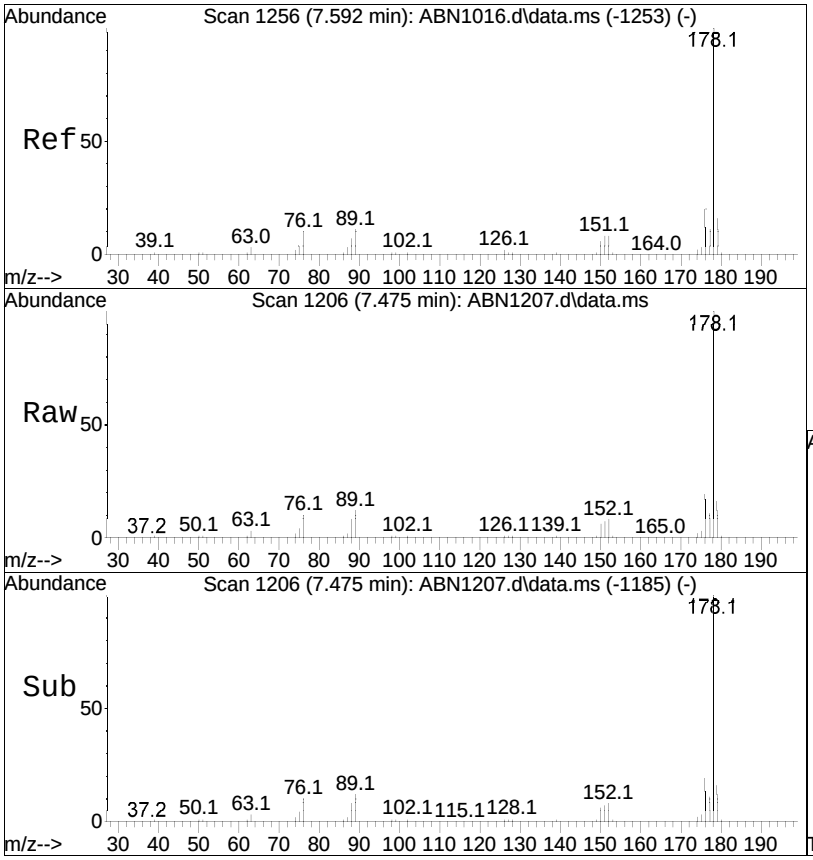


#89
Phenanthrene
Concen: 47.39 ug/ml
RT: 7.432 min Scan# 1198
Delta R.T. -0.011 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:178 Resp: 613937

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.7	19.1
176	20.2	15.8	23.6

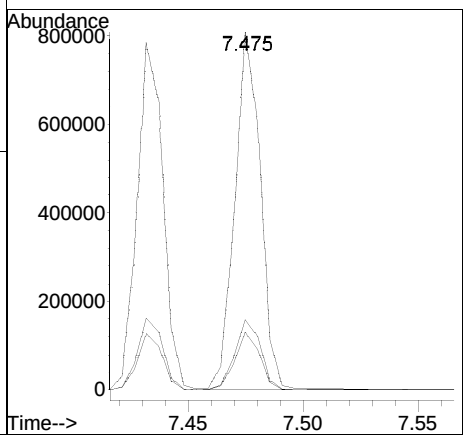


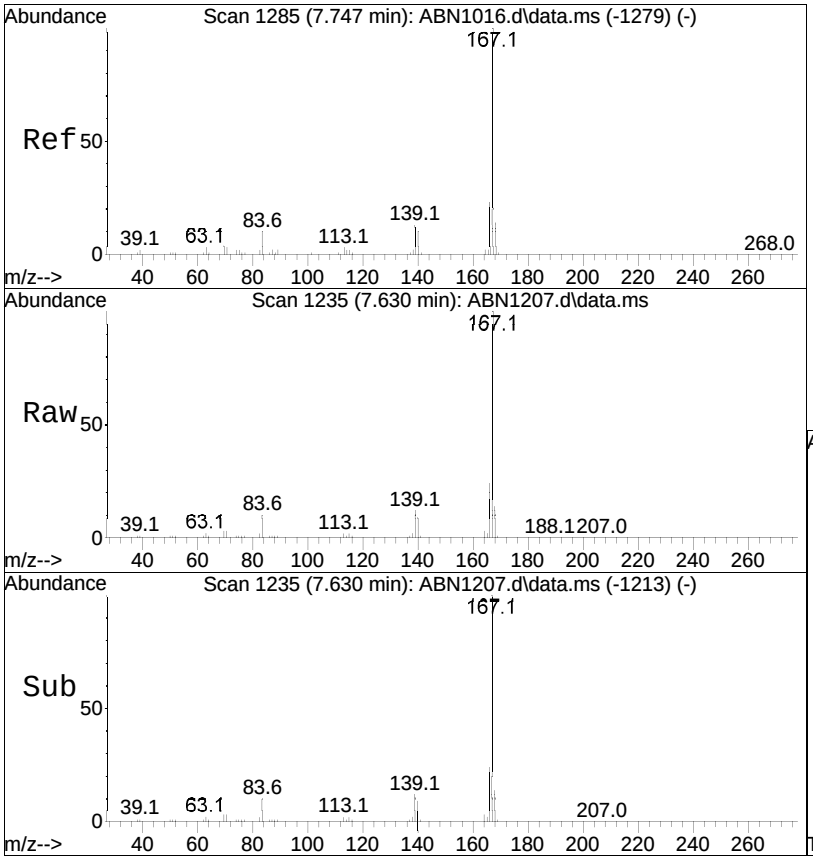


#90
Anthracene
Concen: 48.72 ug/ml
RT: 7.475 min Scan# 1206
Delta R.T. -0.011 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:178 Resp: 625114

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.5	18.7
176	19.7	15.4	23.0

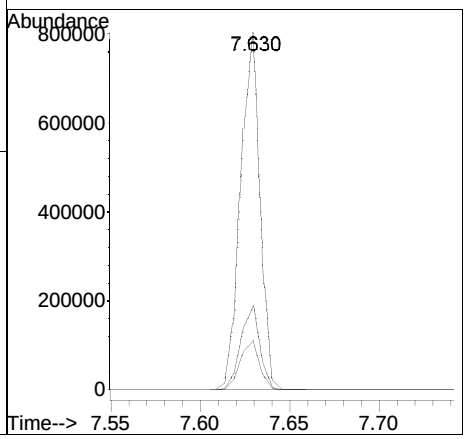


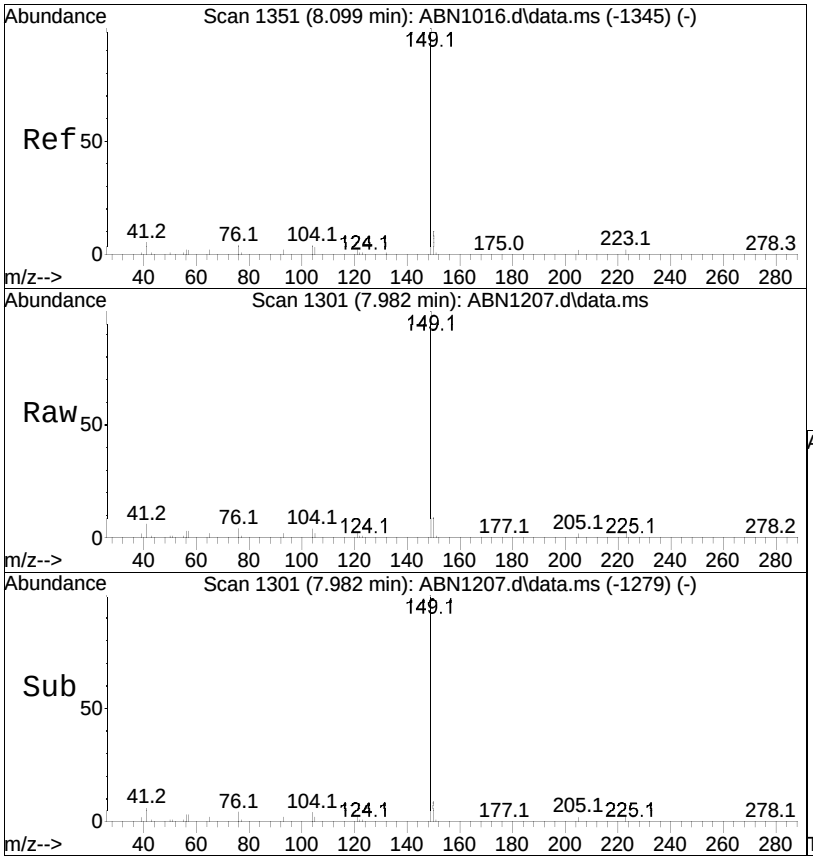


#91
Carbazole
Concen: 49.40 ug/ml
RT: 7.630 min Scan# 1235
Delta R.T. -0.005 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:167 Resp: 600149

Ion	Ratio	Lower	Upper
167	100		
168	14.0	11.3	16.9
166	23.5	17.8	26.8

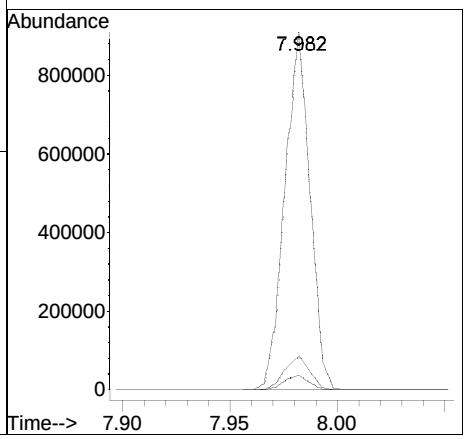


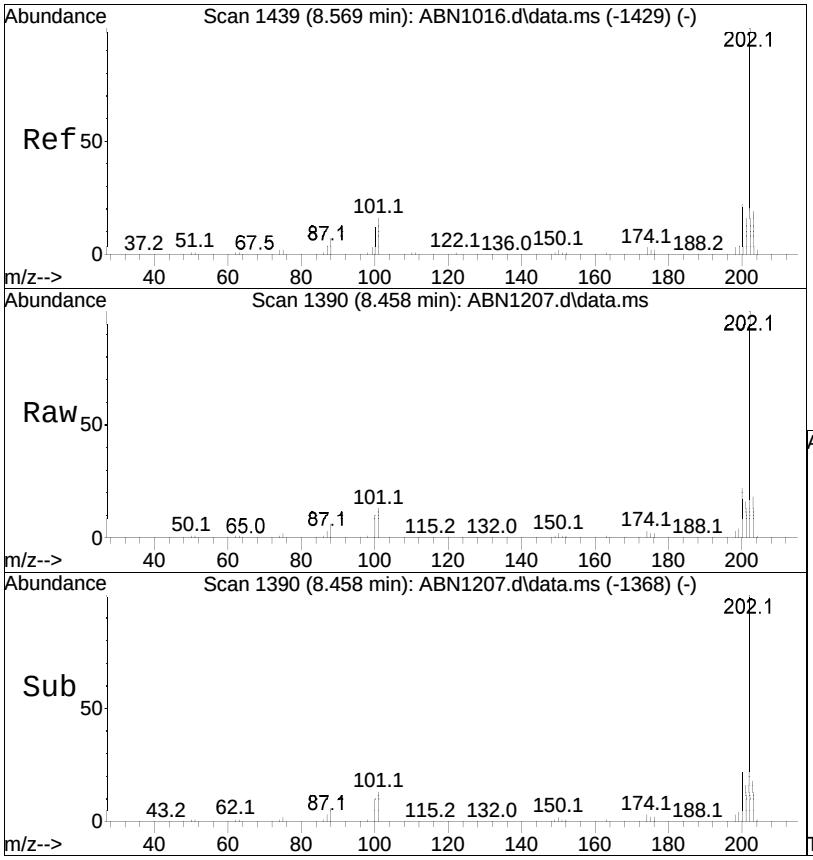


#92
Di-n-butylphthalate
Concen: 51.23 ug/ml
RT: 7.982 min Scan# 1301
Delta R.T. -0.005 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:149 Resp: 727072

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.4	11.2
104	4.1	3.8	5.8

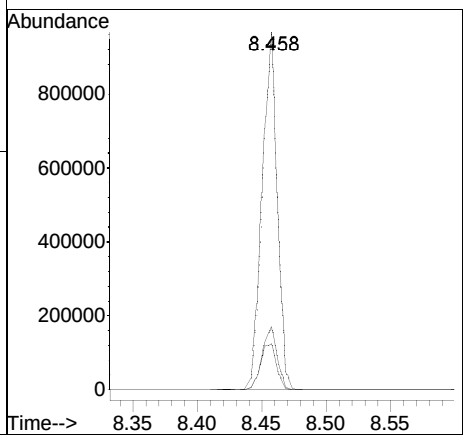


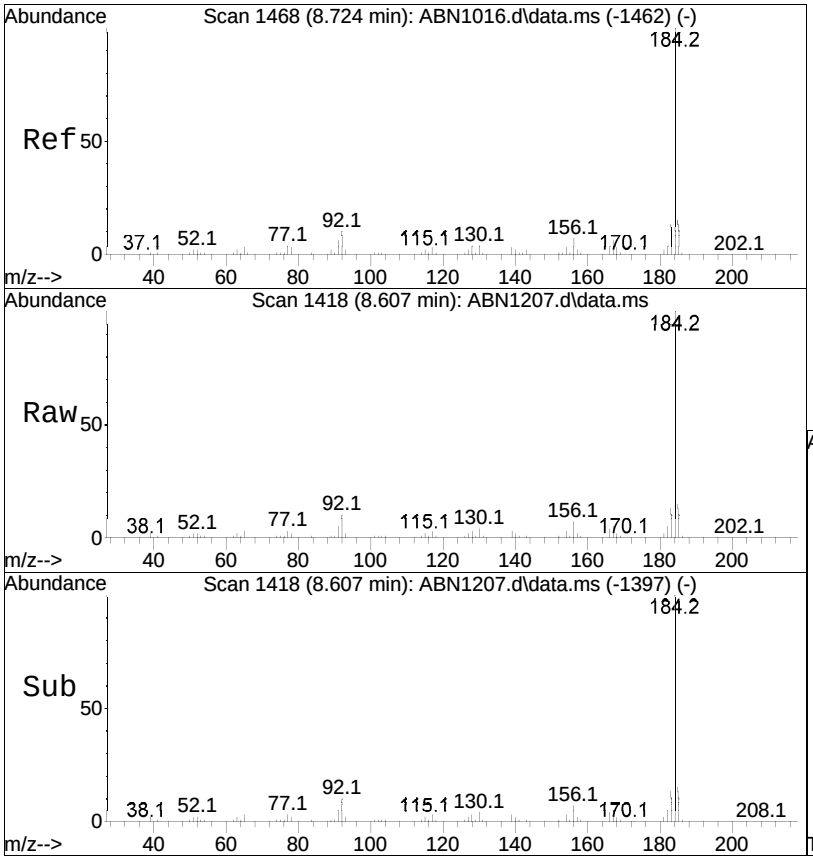


#93
Fluoranthene
Concen: 49.44 ug/ml
RT: 8.458 min Scan# 1390
Delta R.T. -0.005 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:202 Resp: 774725

Ion	Ratio	Lower	Upper
202	100		
101	14.0	12.6	19.0
203	17.7	14.4	21.6

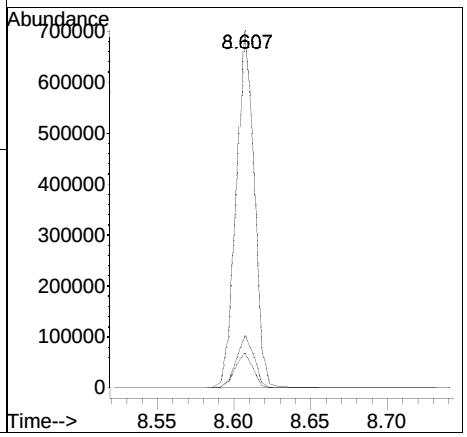


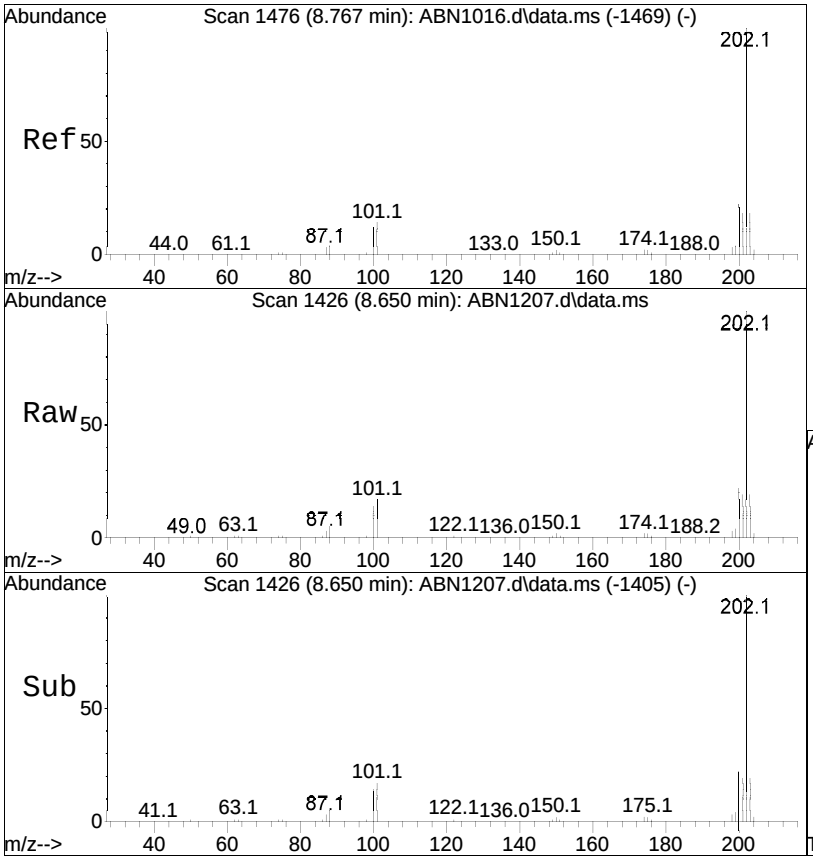


#94
Benzidine
Concen: 55.85 ug/ml
RT: 8.607 min Scan# 1418
Delta R.T. -0.011 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:184 Resp: 568017

Ion	Ratio	Lower	Upper
184	100		
92	9.7	8.4	12.6
185	14.4	11.5	17.3

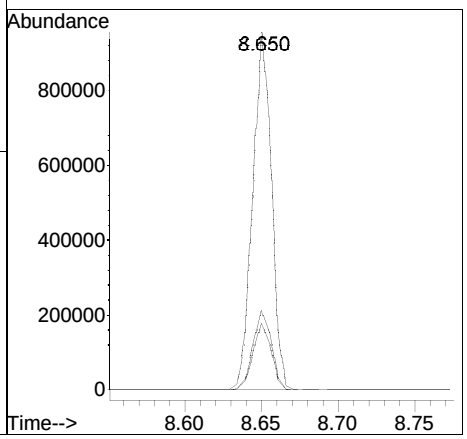


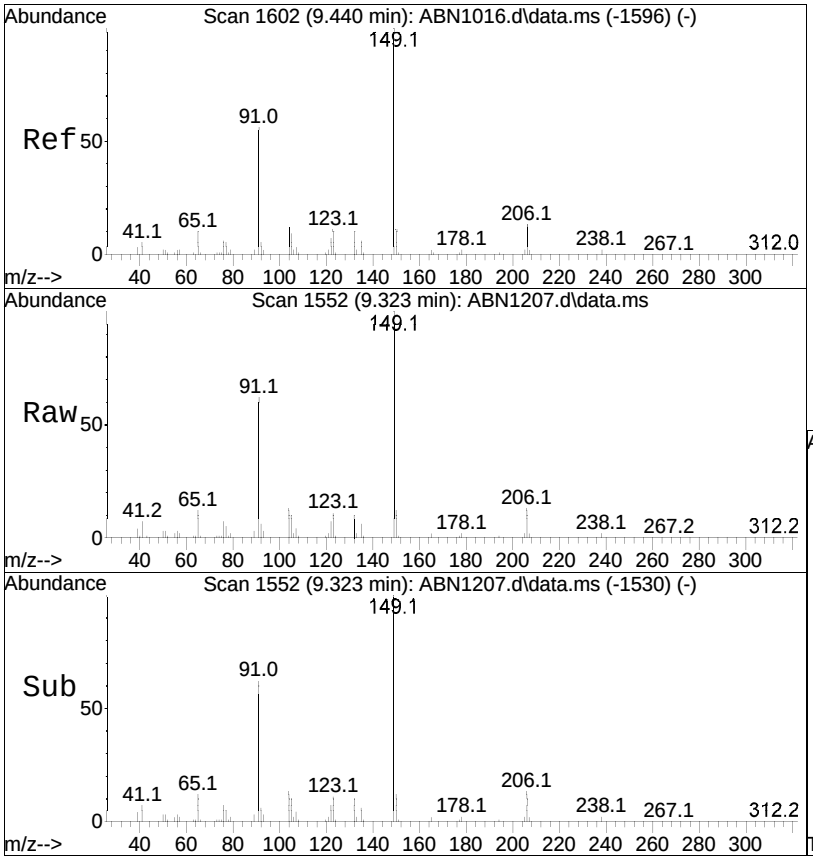


#95
Pyrene
Concen: 49.53 ug/ml
RT: 8.650 min Scan# 1426
Delta R.T. -0.011 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:202 Resp: 803141

Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.2	25.8
203	18.2	15.0	22.6

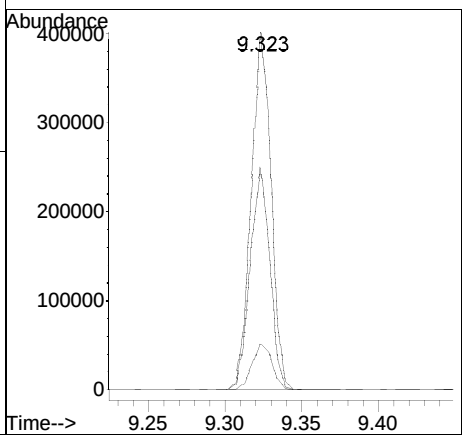


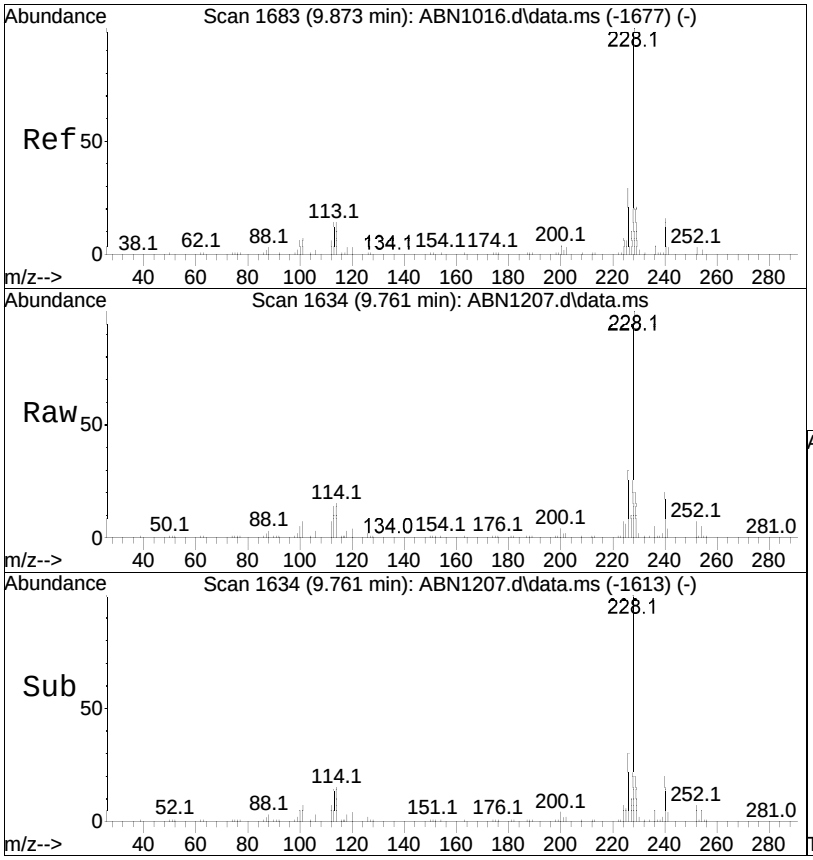


#97
Butyl benzyl phthalate
Concen: 51.53 ug/ml
RT: 9.323 min Scan# 1552
Delta R.T. -0.005 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:149 Resp: 356163

Ion	Ratio	Lower	Upper
149	100		
91	61.6	53.4	80.2
206	13.1	13.3	19.9#

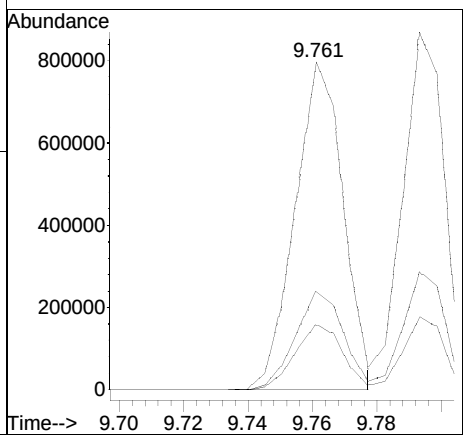


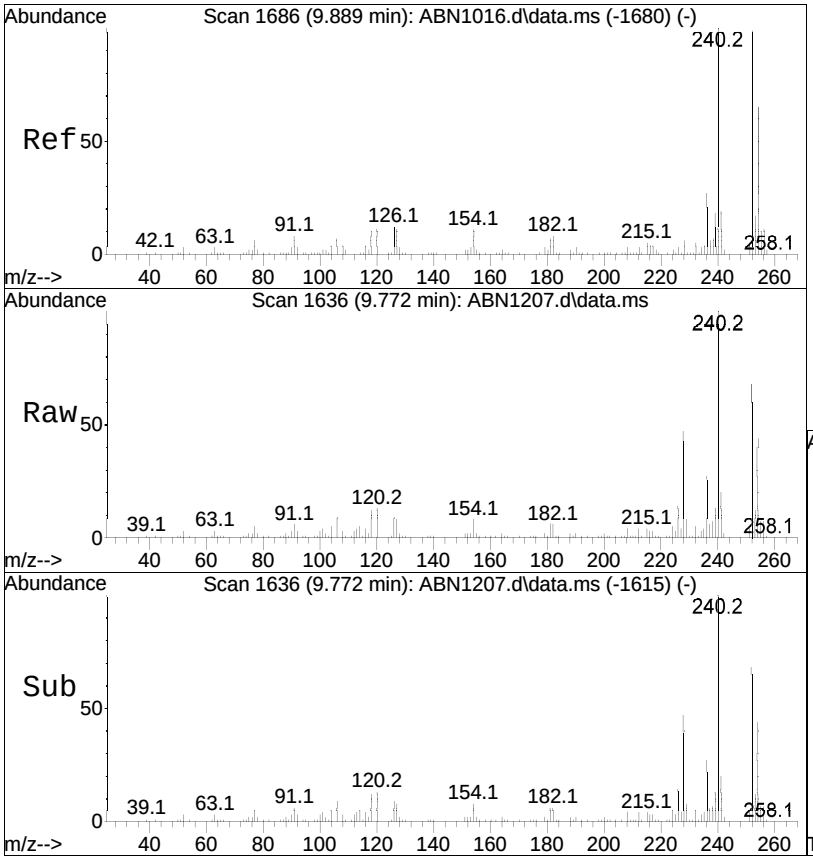


#105
Benzo(a)anthracene
Concen: 46.92 ug/ml
RT: 9.761 min Scan# 1634
Delta R.T. -0.011 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:228 Resp: 827872

Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.9	34.3
229	19.8	16.1	24.1

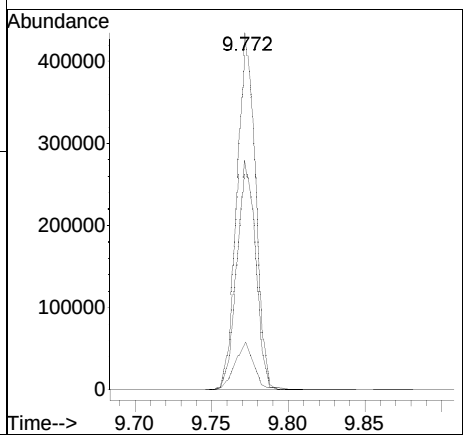


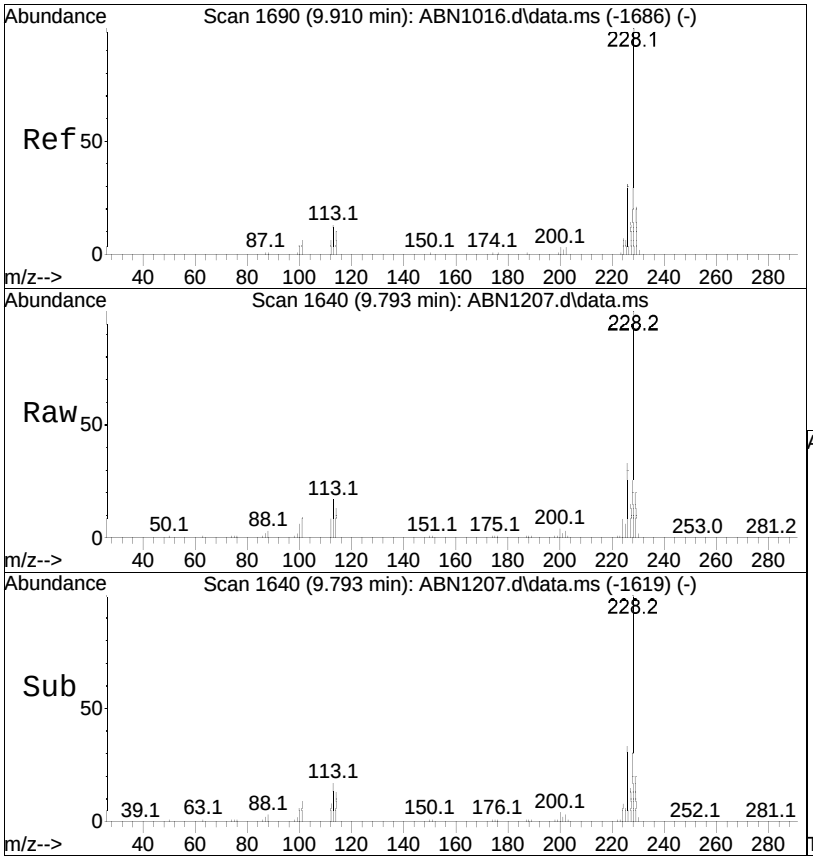


#106
3,3'-Dichlorobenzidine
Concen: 54.47 ug/ml
RT: 9.772 min Scan# 1636
Delta R.T. -0.011 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:252 Resp: 363663

Ion	Ratio	Lower	Upper
252	100		
126	14.3	13.4	20.0
254	65.0	52.8	79.2

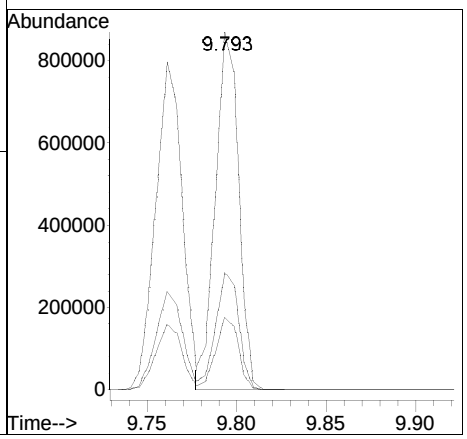


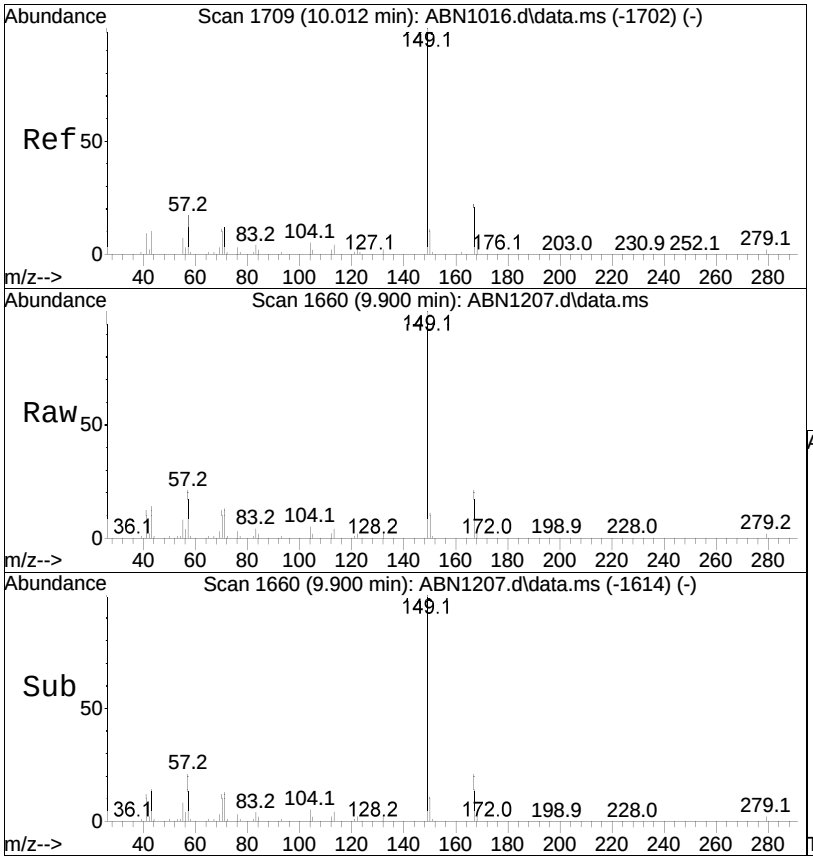


#107
Chrysene
Concen: 46.25 ug/ml
RT: 9.793 min Scan# 1640
Delta R.T. -0.011 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:228 Resp: 783284

Ion	Ratio	Lower	Upper
228	100		
226	32.7	24.9	37.3
229	19.9	16.6	24.8

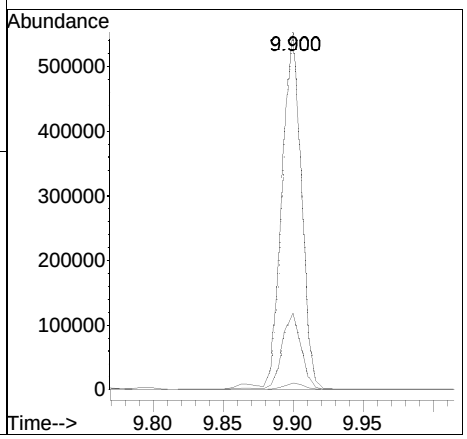


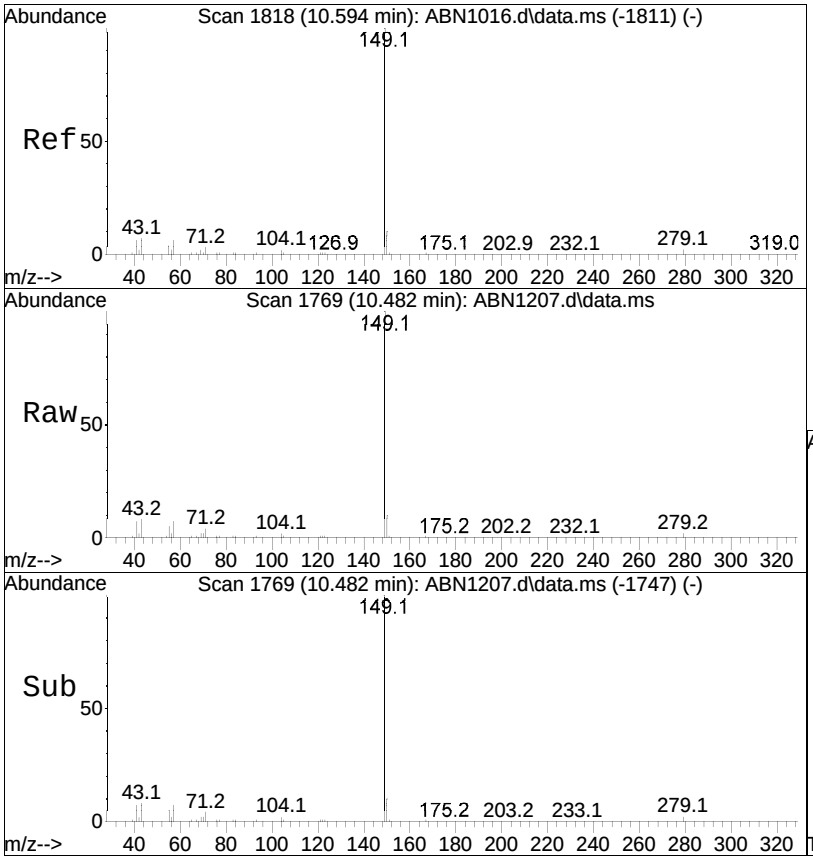


#108
Bis(2-ethylhexyl)phthalate
Concen: 49.92 ug/ml
RT: 9.900 min Scan# 1660
Delta R.T. -0.005 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:149 Resp: 530531

Ion	Ratio	Lower	Upper
149	100		
167	21.3	21.2	31.8
279	1.7	3.8	5.6#

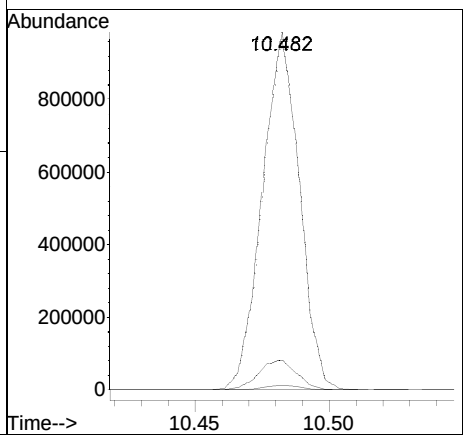


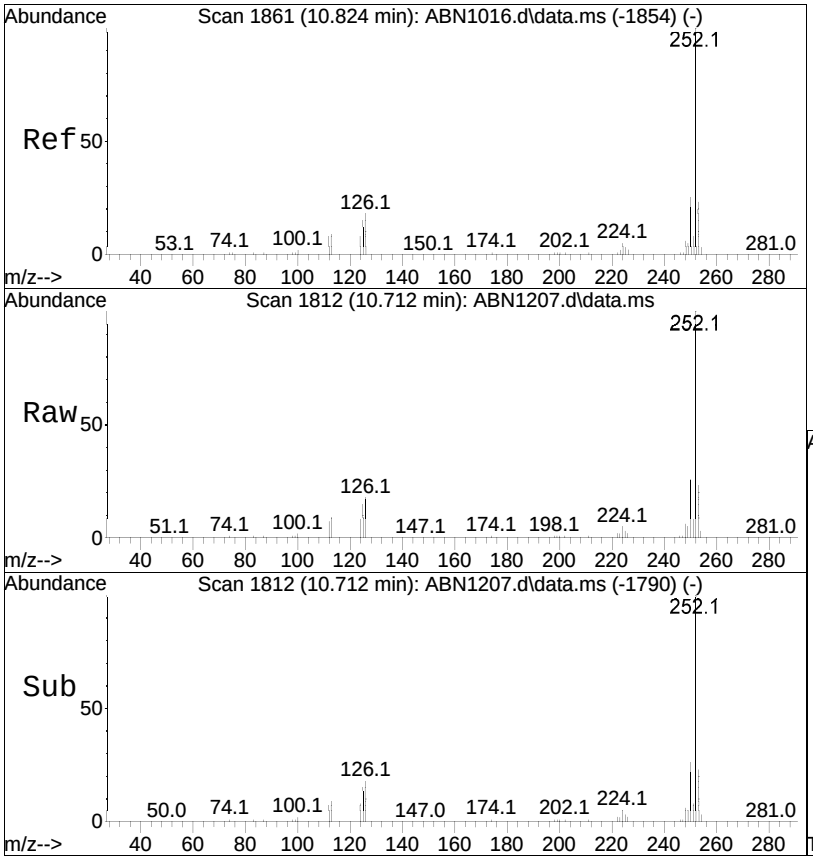


#109
Di-n-octylphthalate
Concen: 48.20 ug/ml
RT: 10.482 min Scan# 1769
Delta R.T. -0.005 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:149 Resp: 931917

Ion	Ratio	Lower	Upper
149	100		
43	8.6	8.0	12.0
167	1.2	1.0	1.6

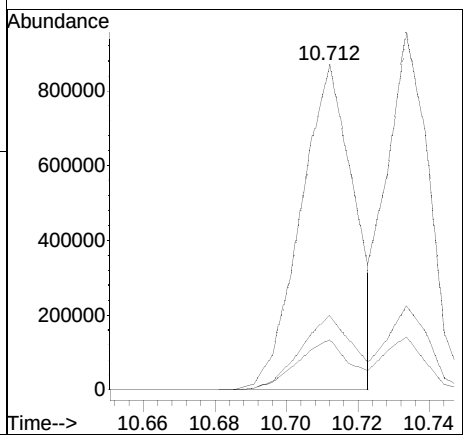


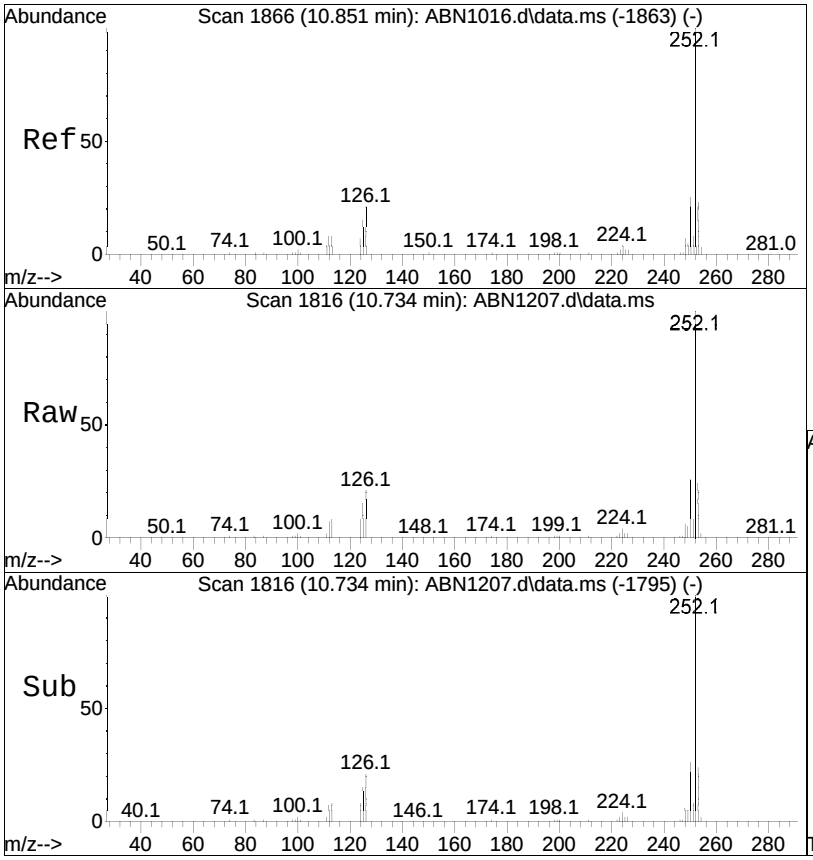


#110
Benzo(b)fluoranthene
Concen: 48.82 ug/ml
RT: 10.712 min Scan# 1812
Delta R.T. -0.005 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:252 Resp: 922173

Ion	Ratio	Lower	Upper
252	100		
125	15.5	12.6	18.8
253	22.8	18.2	27.2

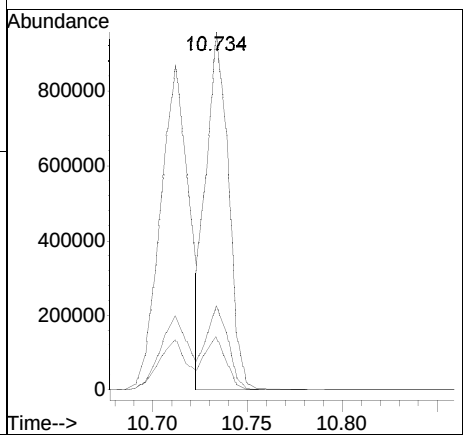


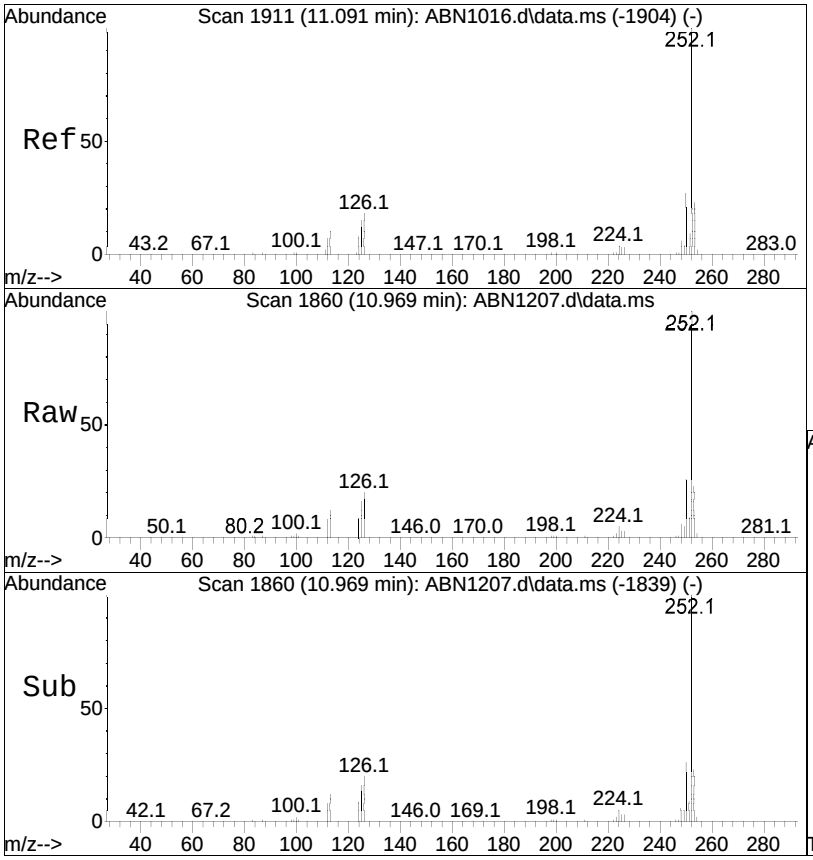


#111
Benzo(k)fluoranthene
Concen: 46.56 ug/ml
RT: 10.734 min Scan# 1816
Delta R.T. -0.011 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:252 Resp: 767190

Ion	Ratio	Lower	Upper
252	100		
125	14.2	12.1	18.1
253	23.1	18.1	27.1

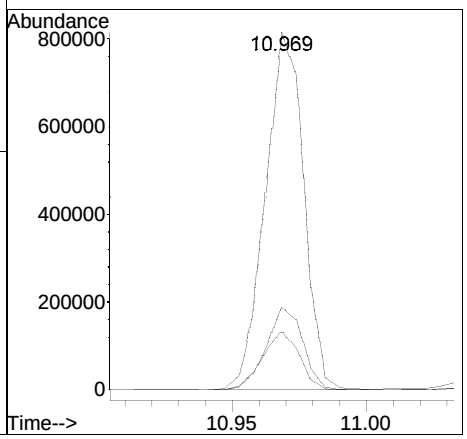


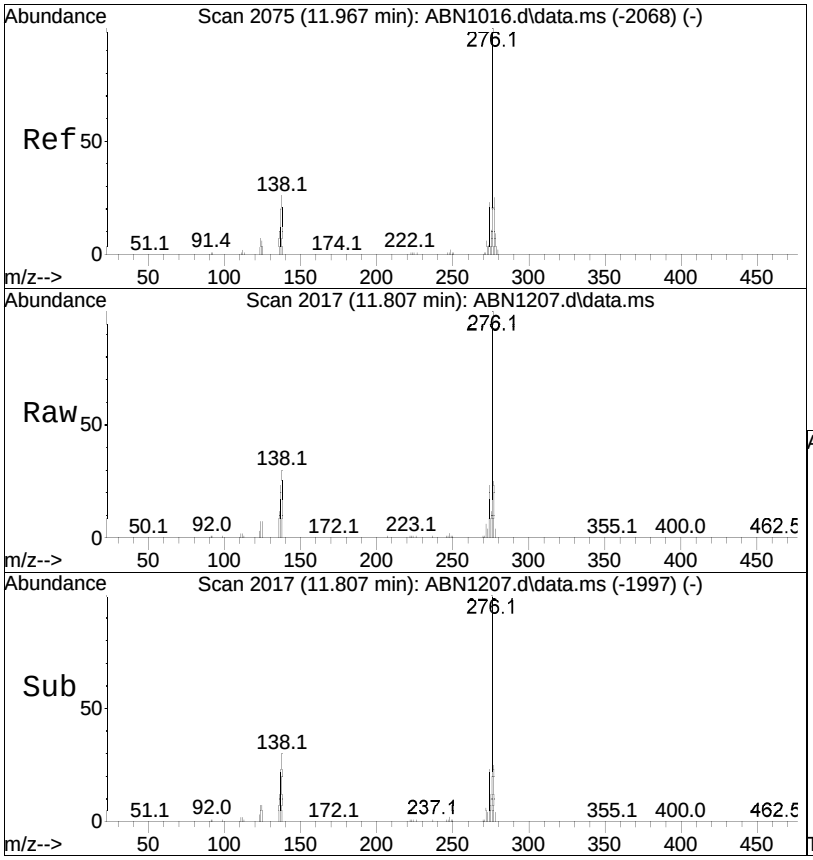


#112
Benzo(a)pyrene
Concen: 47.79 ug/ml
RT: 10.969 min Scan# 1860
Delta R.T. -0.011 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:252 Resp: 802295

Ion	Ratio	Lower	Upper
252	100		
125	16.0	13.3	19.9
253	22.3	18.2	27.4

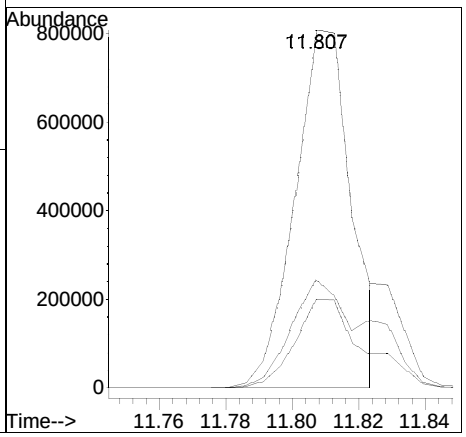


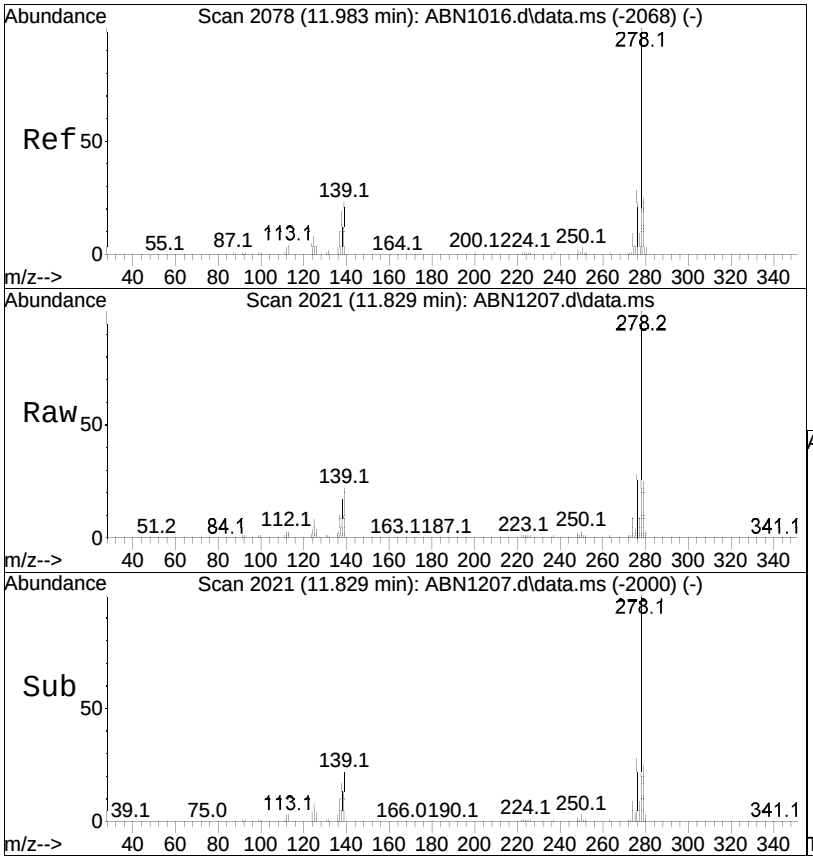


#114
Indeno(1,2,3-cd)pyrene
Concen: 50.25 ug/mL M6
RT: 11.807 min Scan# 2017
Delta R.T. -0.016 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:276 Resp: 957586

Ion	Ratio	Lower	Upper
276	100		
138	41.4	26.7	40.1#
277	30.0	20.4	30.6

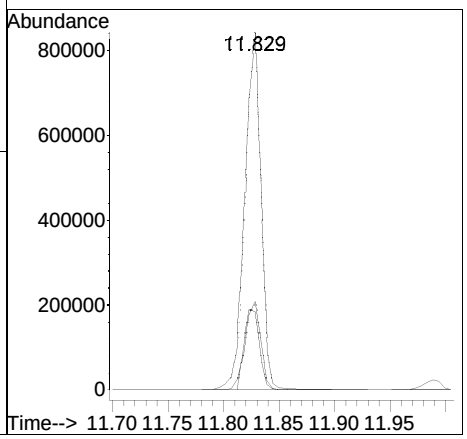


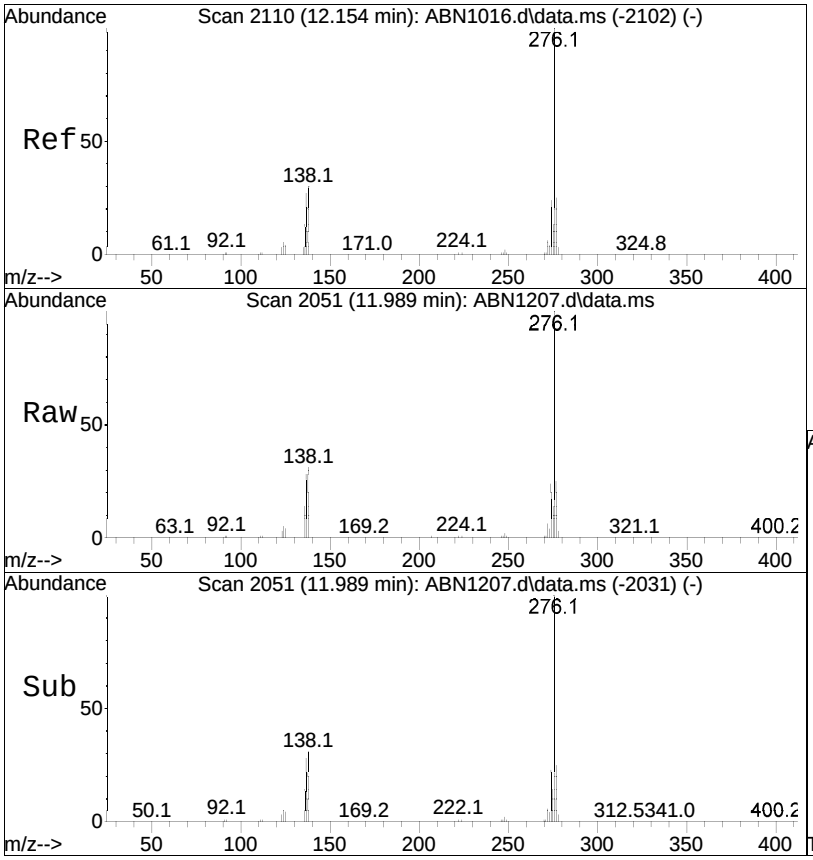


#115
Dibenzo(a,h)anthracene
Concen: 50.13 ug/ml
RT: 11.829 min Scan# 2021
Delta R.T. -0.011 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:278 Resp: 843513

Ion	Ratio	Lower	Upper
278	100		
139	21.5	18.2	27.4
279	24.2	19.3	28.9

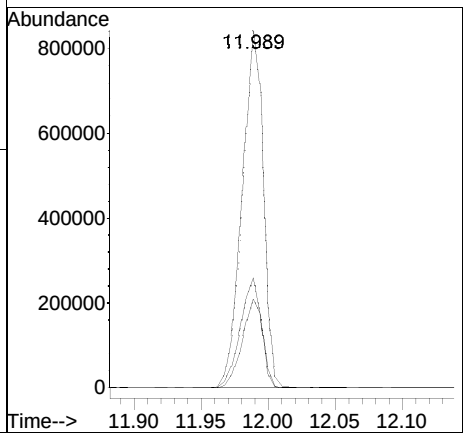




#116
Benzo(ghi)perylene
Concen: 49.11 ug/ml
RT: 11.989 min Scan# 2051
Delta R.T. -0.016 min
Lab File: ABN1207.d
Acq: 7 Dec 2020 8:56 am

Tgt Ion:276 Resp: 916694

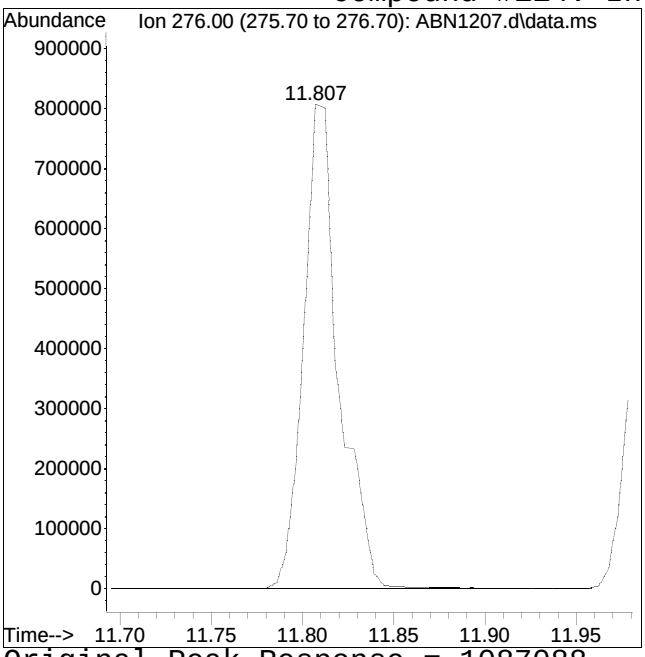
Ion	Ratio	Lower	Upper
276	100		
138	30.6	26.1	39.1
277	24.7	19.4	29.0



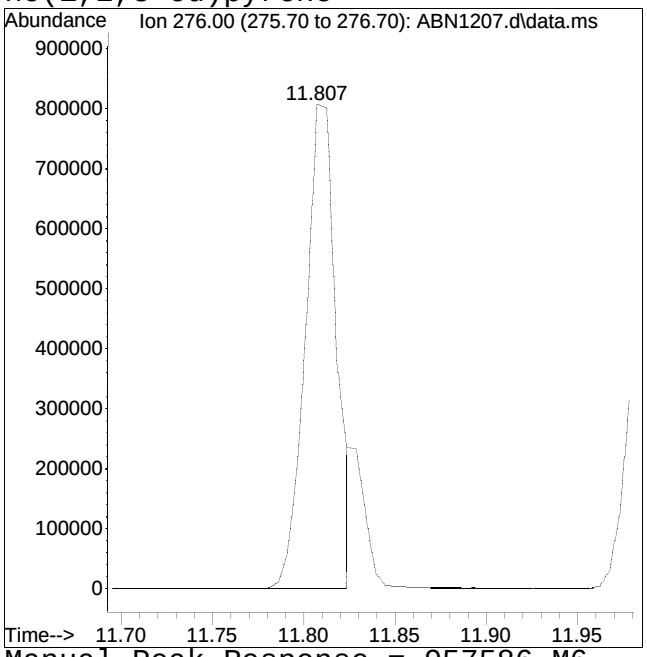
Manual Integration Report

Data Path : I:\8270\GCMS5\201207\ QMethod : FS200401gcms5.m
Data File : ABN1207.d Operator : GCMS5:sz
Date Inj'd : 12/7/2020 8:56 am Instrument : GCMS5
Sample : wg1441843-3,32,,ABN CCV LoQuant Date : 12/7/2020 9:14 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 1087088



Manual Peak Response = 957586 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Continuing Calibration Report

Data Path : I:\8270\GCMS5\201207\
Data File : AP91207.d
Acq On : 7 Dec 2020 9:19 am
Operator : GCMS5:sz
Sample : wg1441843-4,32,,AP9 CCV Lot # 9034
Misc : wg1441843,,ical16639
ALS Vial : 97 Sample Multiplier: 1

Quant Time: Dec 07 09:36:36 2020
Quant Method : i:\8270\GCMS5\201207\FS200401gcms5.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 07 04:47:01 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
27	I	IS2_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	73	0.00
28	T	Benzaldehyde	1.039	0.992	4.5	70	0.00
29	T	Acetophenone	1.720	1.627	5.4	67	0.00
30	T	m-Toluidine	1.775	1.659	6.5	66	0.00
31	T	2-Chloroaniline	1.635	1.612	1.4	71	0.00
55	I	IS2_Naphthalene-d8	1.000	1.000	0.0	74	0.00
56	T	a-Terpineol	0.315	0.269	14.6	60	0.00
57	T	3-Chloroaniline	0.145	0.127	12.4	63	0.00
58	T	2,6-Dichlorophenol	0.305	0.324	-6.2	75	0.00
59	T	1-chloro-2-nitrobenzene	0.141	0.140	0.7	71	0.00
60	T	Caprolactam	0.184	0.173	6.0	66	0.00
61	T	1,2,4,5-Tetrachlorobenzene	0.358	0.387	-8.1	79	0.00
62	T	Biphenyl	0.814	0.810	0.5	71	0.00
83	I	IS2_Acenaphthene-d10	1.000	1.000	0.0	82	0.00
84	T	Dichloran	0.190	0.228	-20.0#	89	0.00
85	T	Pentachloronitrobenzene	0.187	0.206	-10.2	88	0.00
98	I	IS2_Phenanthrene-d10	1.000	1.000	0.0	88	0.00
99	T	Diphenamid	0.482	0.467	3.1	82	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\201207\
Data File : AP91207.d
Acq On : 7 Dec 2020 9:19 am
Operator : GCMS5:sz
Sample : wg1441843-4,32,,AP9 CCV Lot # 9034
Misc : wg1441843,,ical16639
ALS Vial : 97 Sample Multiplier: 1

Quant Time: Dec 07 09:36:36 2020
Quant Method : i:\8270\GCMS5\201207\FS200401gcms5.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 07 04:47:01 2020
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	3.671	152	109183	40.000	ug/ml	-0.01
55) IS2_Naphthalene-d8	4.777	136	405011	40.000	ug/ml	0.00
83) IS2_Acenaphthene-d10	6.219	164	254372	40.000	ug/ml	0.00
98) IS2_Phenanthrene-d10	7.416	188	531615	40.000	ug/ml	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	3.260	105	135332	47.715	ug/ml	94
29) Acetophenone	4.050	105	222106	47.316	ug/ml#	92
30) m-Toluidine	4.125	106	226353	46.727	ug/ml	99
31) 2-Chloroaniline	4.440	127	220003	49.295	ug/ml	99
56) a-Terpineol	4.841	59	136420	42.818	ug/ml	90
57) 3-Chloroaniline	4.852	65	64323	43.735	ug/ml	96
58) 2,6-Dichlorophenol	4.873	162	163890	53.146	ug/ml	96
59) 1-chloro-2-nitrobenzene	5.087	111	70935	49.531	ug/ml	91
60) Caprolactam	5.135	55	87565	47.022	ug/ml#	84
61) 1,2,4,5-Tetrachloroben...	5.525	216	196059	54.119	ug/ml	98
62) Biphenyl	5.770	154	409948	49.737	ug/ml	98
84) Dichloran	7.170	206	72466	60.062	ug/ml	84
85) Pentachloronitrobenzene	7.293	237	65370	54.877	ug/ml#	88
99) Diphenamid	8.223	167	310515	48.477	ug/ml	90

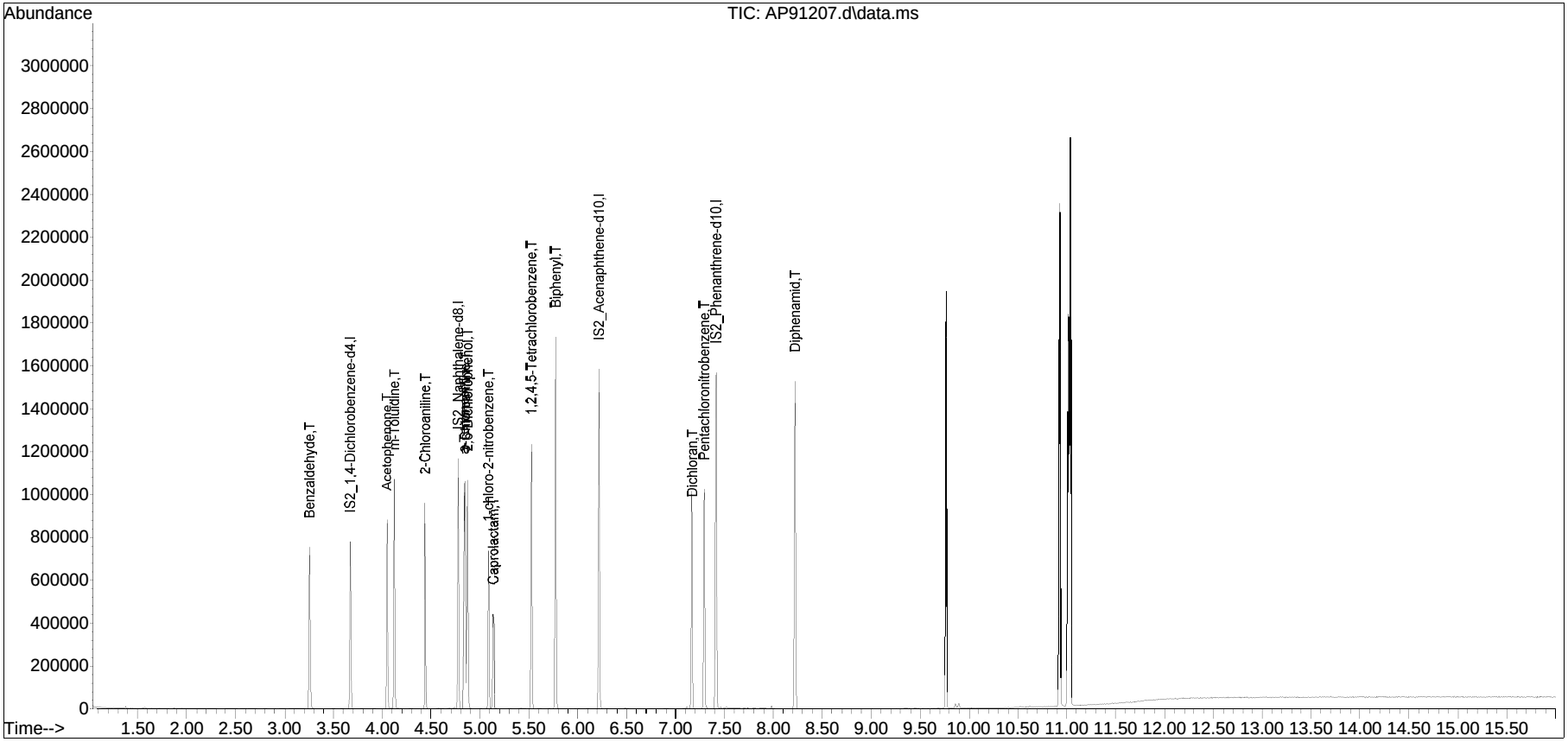
(#) = qualifier out of range (m) = manual integration (+) = signals summed

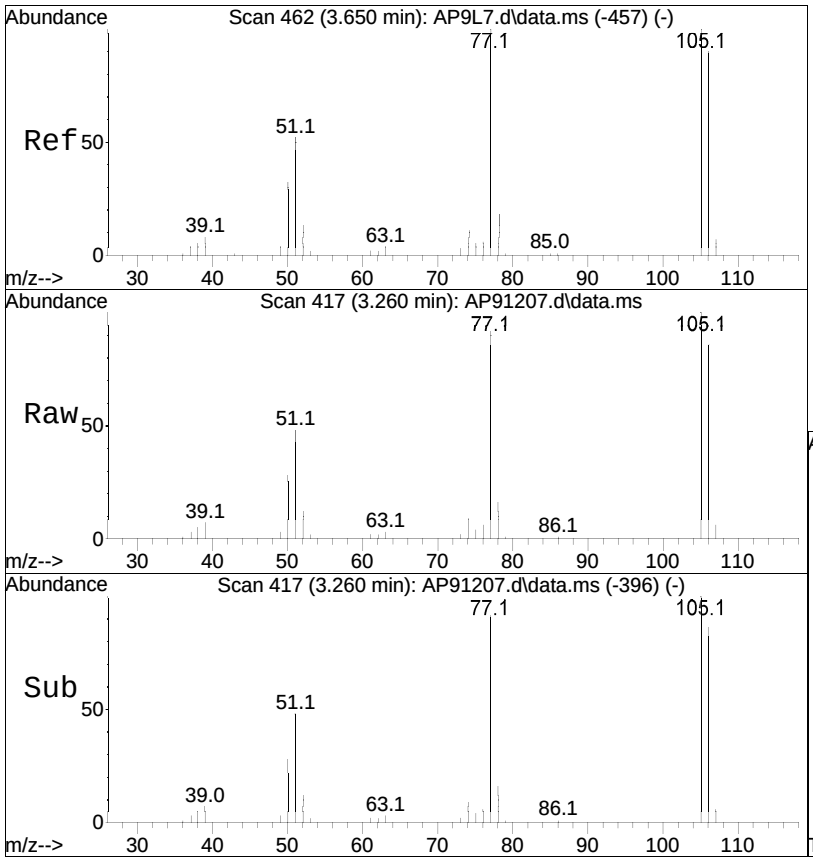
Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\201207\
Data File : AP91207.d
Acq On : 7 Dec 2020 9:19 am
Operator : GCMS5:sz
Sample : wg1441843-4,32,,AP9 CCV Lot # 9034
Misc : wg1441843,,ical16639
ALS Vial : 97 Sample Multiplier: 1

Quant Time: Dec 07 09:36:36 2020
Quant Method : i:\8270\GCMS5\201207\FS200401gcms5.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 07 04:47:01 2020
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

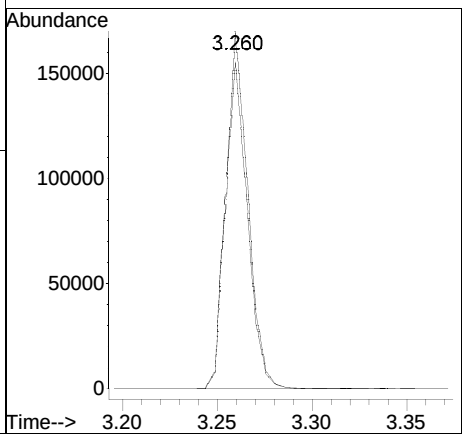


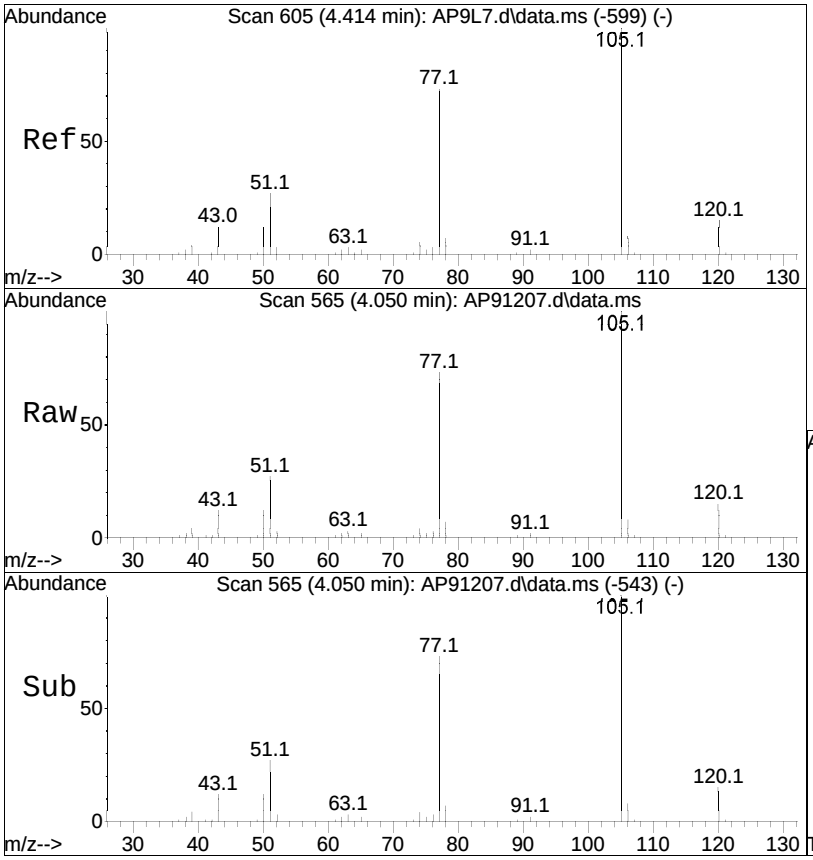


#28
Benzaldehyde
Concen: 47.71 ug/ml
RT: 3.260 min Scan# 417
Delta R.T. -0.011 min
Lab File: AP91207.d
Acq: 7 Dec 2020 9:19 am

Tgt Ion:105 Resp: 135332

Ion	Ratio	Lower	Upper
105	100		
77	92.7	79.3	118.9

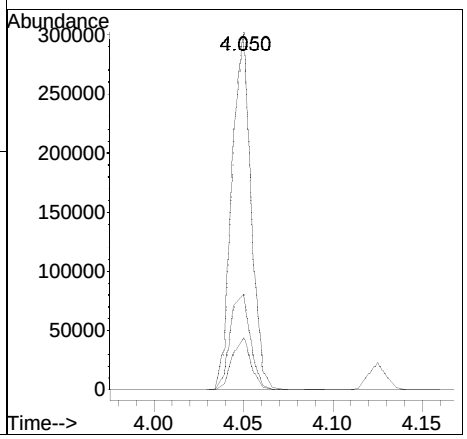


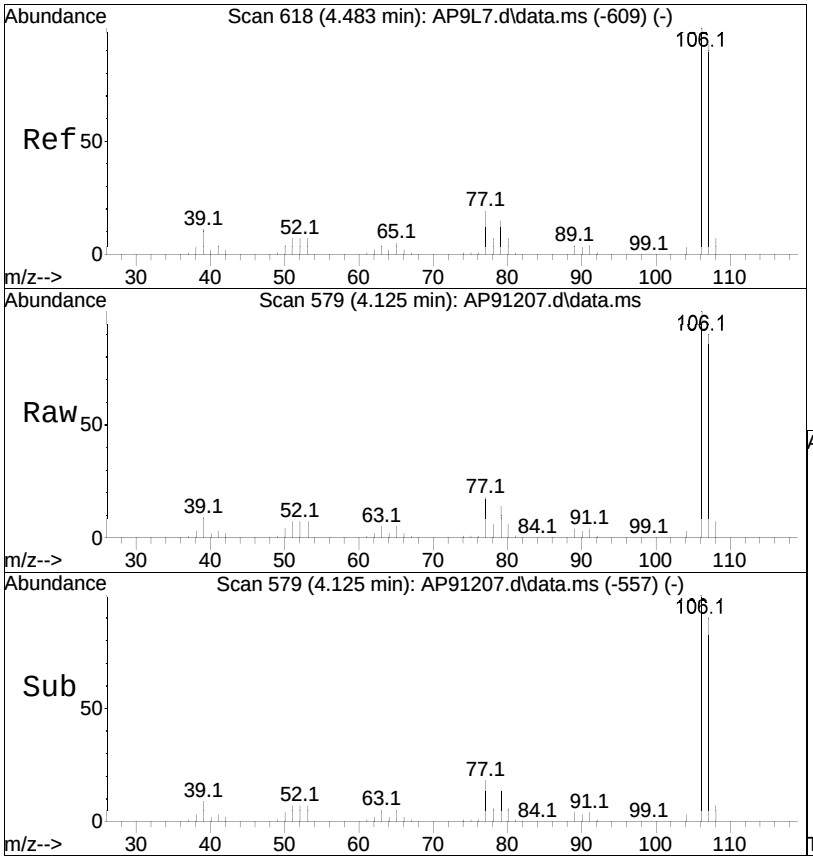


#29
Acetophenone
Concen: 47.32 ug/ml
RT: 4.050 min Scan# 565
Delta R.T. -0.006 min
Lab File: AP91207.d
Acq: 7 Dec 2020 9:19 am

Tgt Ion:105 Resp: 222106

Ion	Ratio	Lower	Upper
105	100		
120	14.5	17.4	26.2#
51	28.5	23.8	35.6

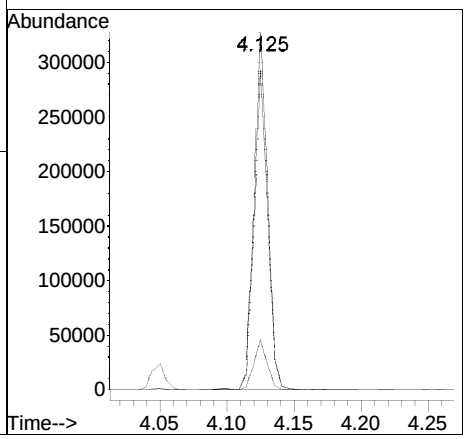


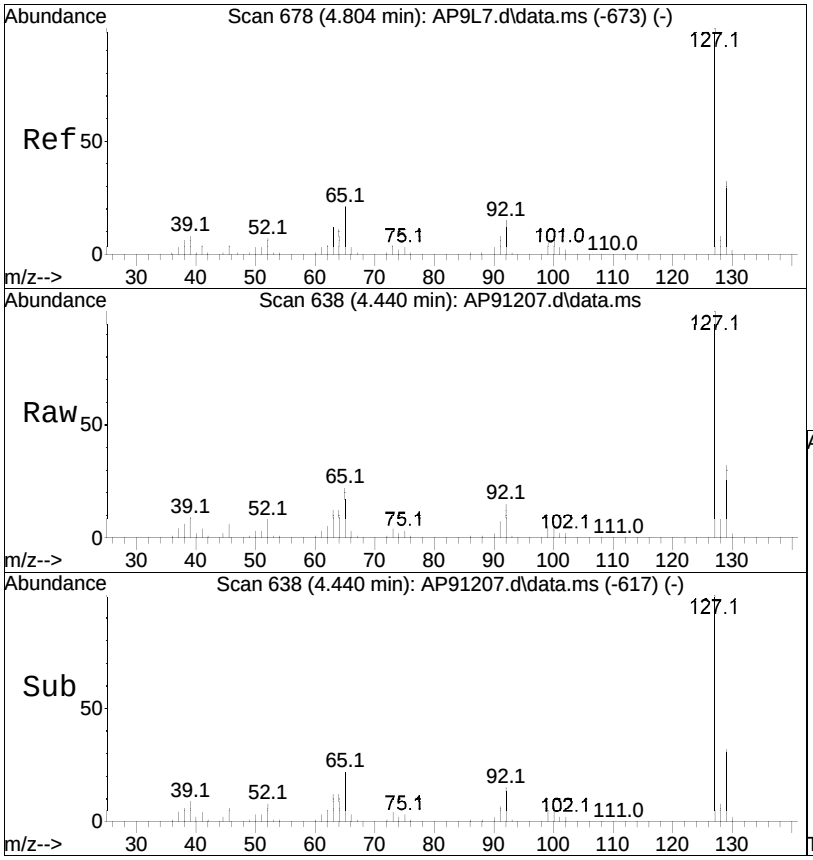


#30
m-Toluidine
Concen: 46.73 ug/ml
RT: 4.125 min Scan# 579
Delta R.T. -0.006 min
Lab File: AP91207.d
Acq: 7 Dec 2020 9:19 am

Tgt Ion:106 Resp: 226353

Ion	Ratio	Lower	Upper
106	100		
107	89.4	72.5	108.7
79	13.9	11.4	17.2

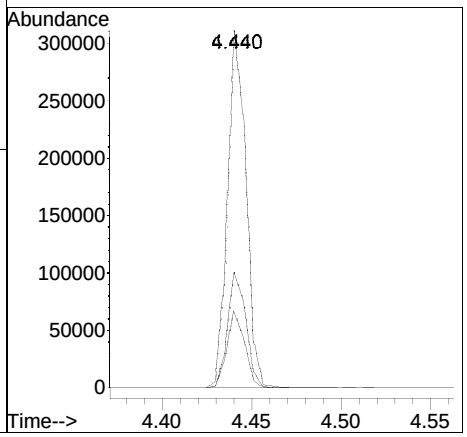


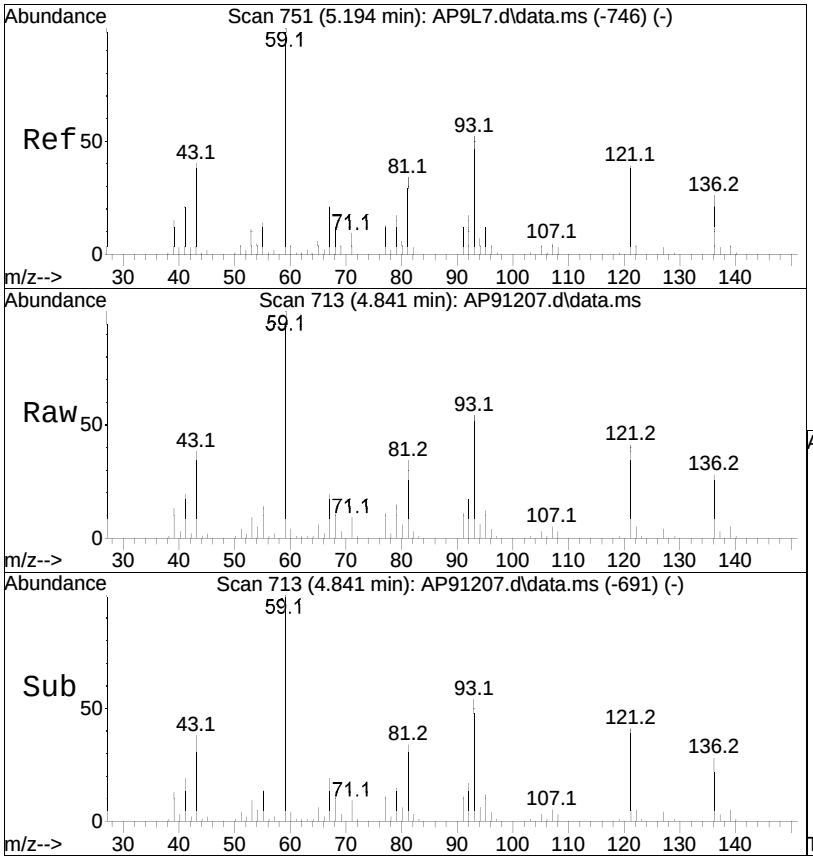


#31
2-Chloroaniline
Concen: 49.30 ug/ml
RT: 4.440 min Scan# 638
Delta R.T. -0.011 min
Lab File: AP91207.d
Acq: 7 Dec 2020 9:19 am

Tgt Ion:127 Resp: 220003

Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.5	38.3
65	21.0	17.3	25.9

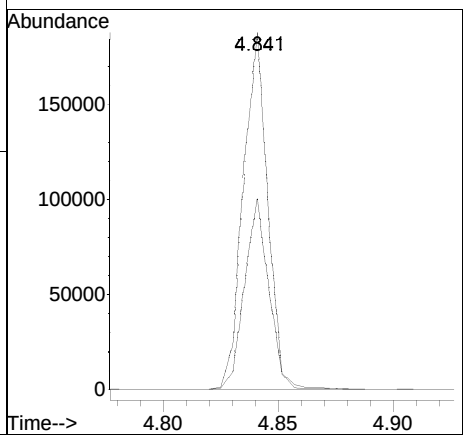


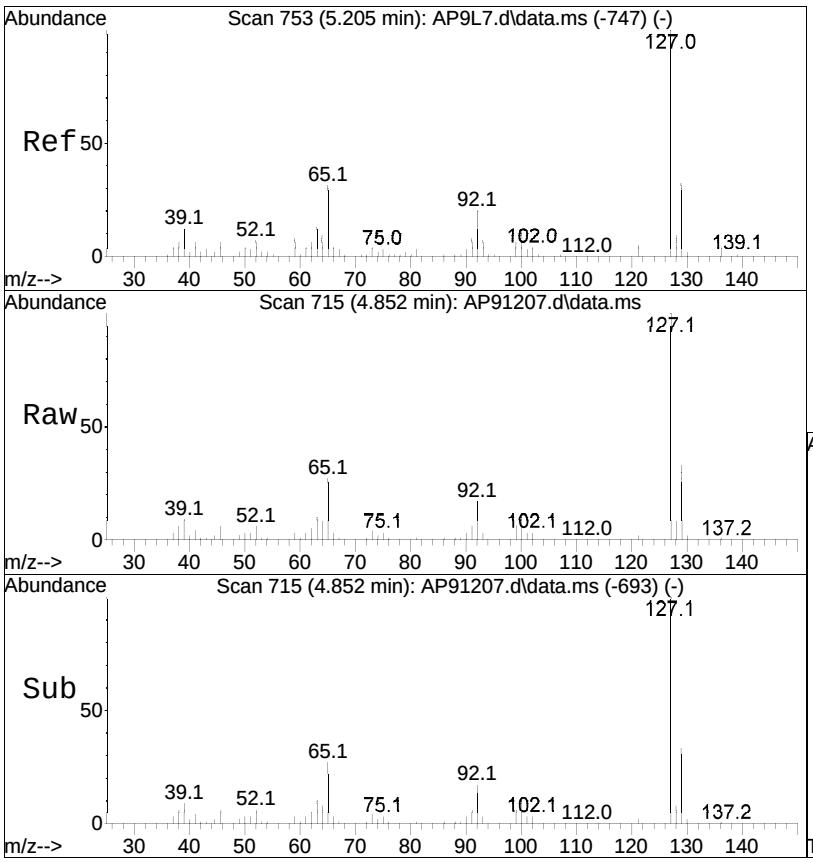


#56
a-Terpineol
Concen: 42.82 ug/ml
RT: 4.841 min Scan# 713
Delta R.T. -0.006 min
Lab File: AP91207.d
Acq: 7 Dec 2020 9:19 am

Tgt Ion: 59 Resp: 136420

Ion	Ratio	Lower	Upper
59	100		
93	54.3	49.3	73.9

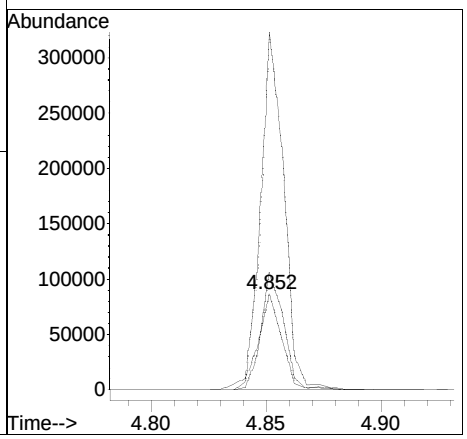


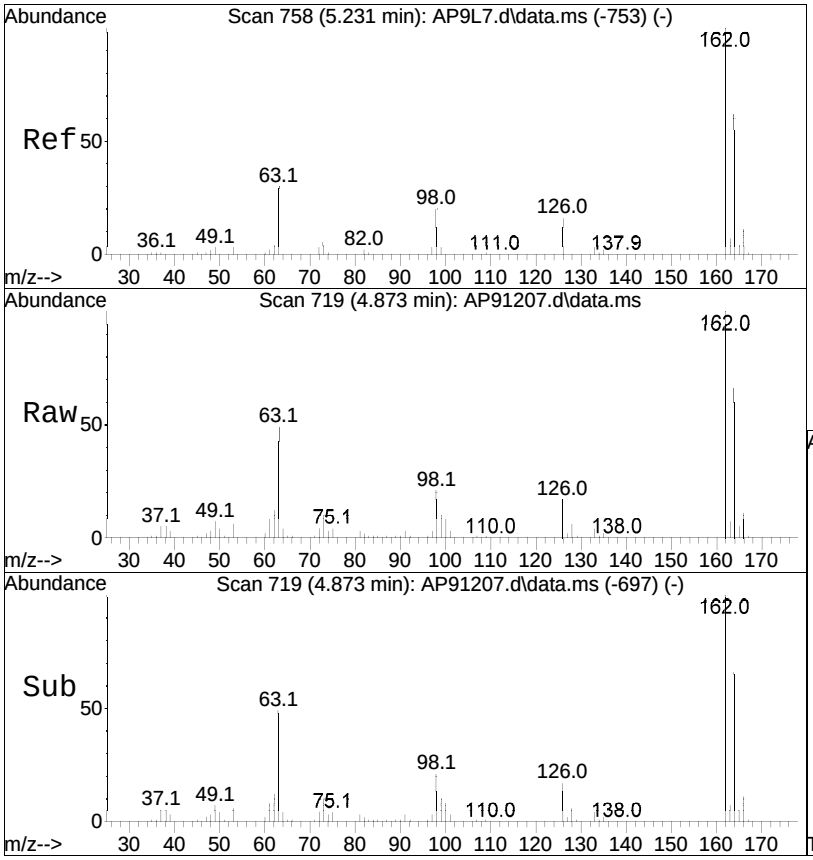


#57
3-Chloroaniline
Concen: 43.73 ug/ml
RT: 4.852 min Scan# 715
Delta R.T. -0.006 min
Lab File: AP91207.d
Acq: 7 Dec 2020 9:19 am

Tgt Ion: 65 Resp: 64323

Ion	Ratio	Lower	Upper
65	100		
127	345.4	269.3	403.9
129	112.6	88.2	132.4

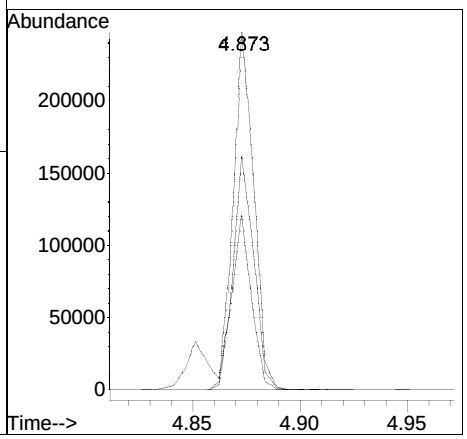


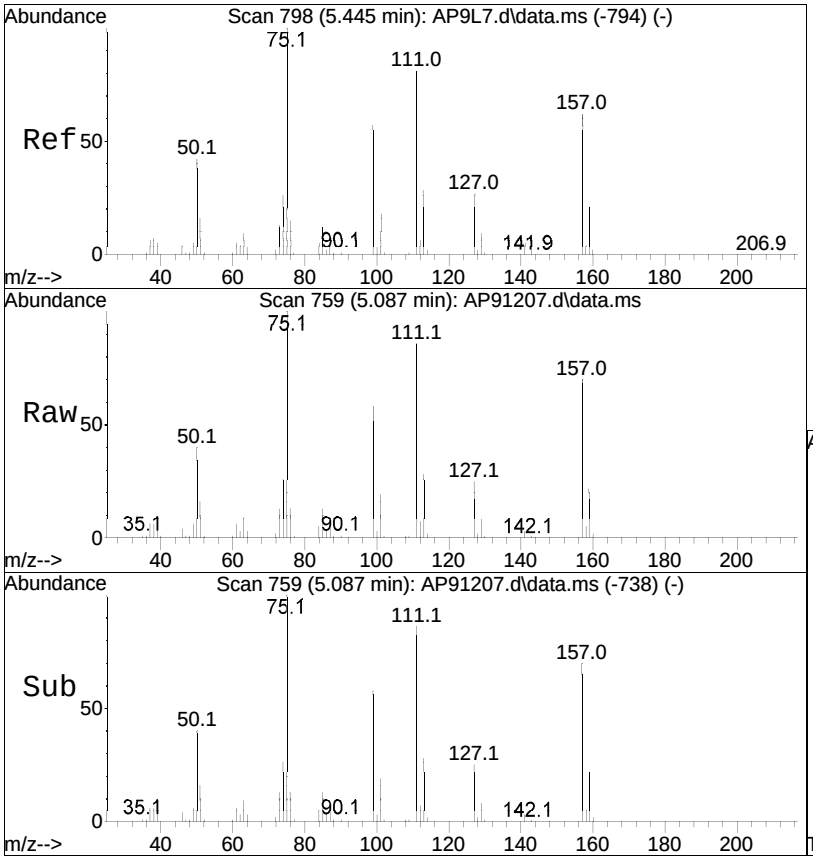


#58
2,6-Dichlorophenol
Concen: 53.15 ug/ml
RT: 4.873 min Scan# 719
Delta R.T. -0.006 min
Lab File: AP91207.d
Acq: 7 Dec 2020 9:19 am

Tgt Ion:162 Resp: 163890

Ion	Ratio	Lower	Upper
162	100		
164	65.2	51.8	77.6
63	46.3	41.7	62.5

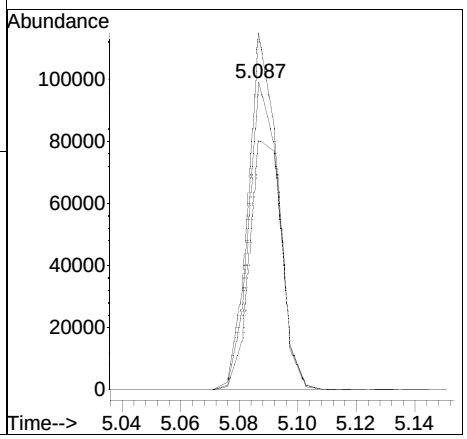


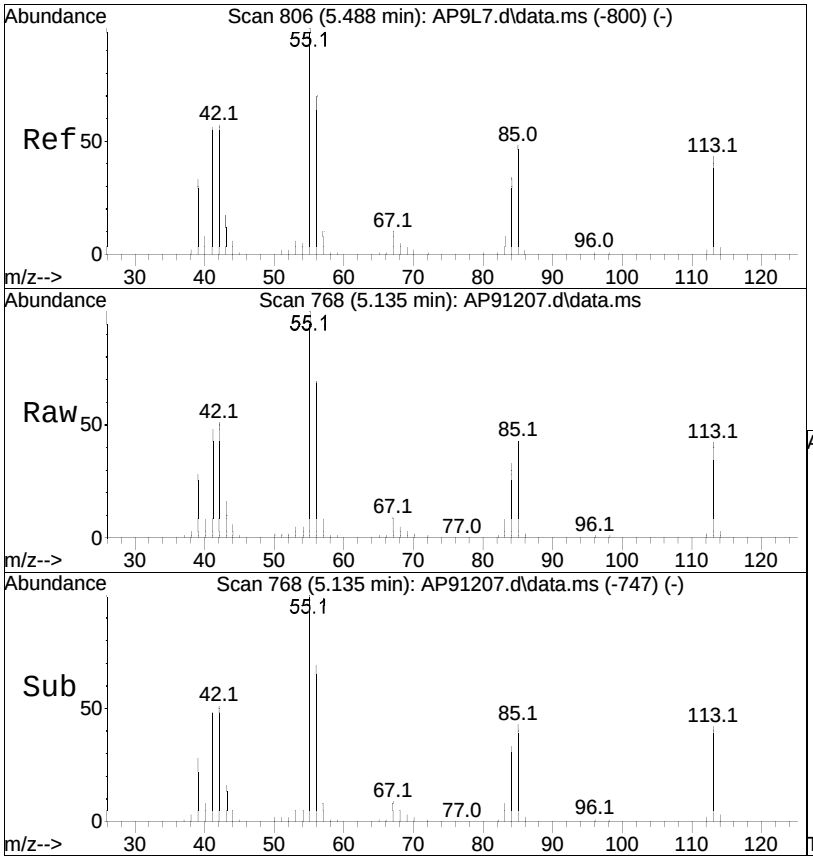


#59
1-chloro-2-nitrobenzene
Concen: 49.53 ug/ml
RT: 5.087 min Scan# 759
Delta R.T. -0.011 min
Lab File: AP91207.d
Acq: 7 Dec 2020 9:19 am

Tgt Ion:111 Resp: 70935

Ion	Ratio	Lower	Upper
111	100		
157	86.7	67.6	101.4
75	112.2	102.5	153.7

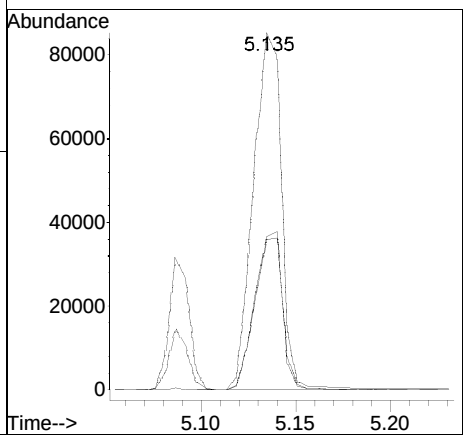


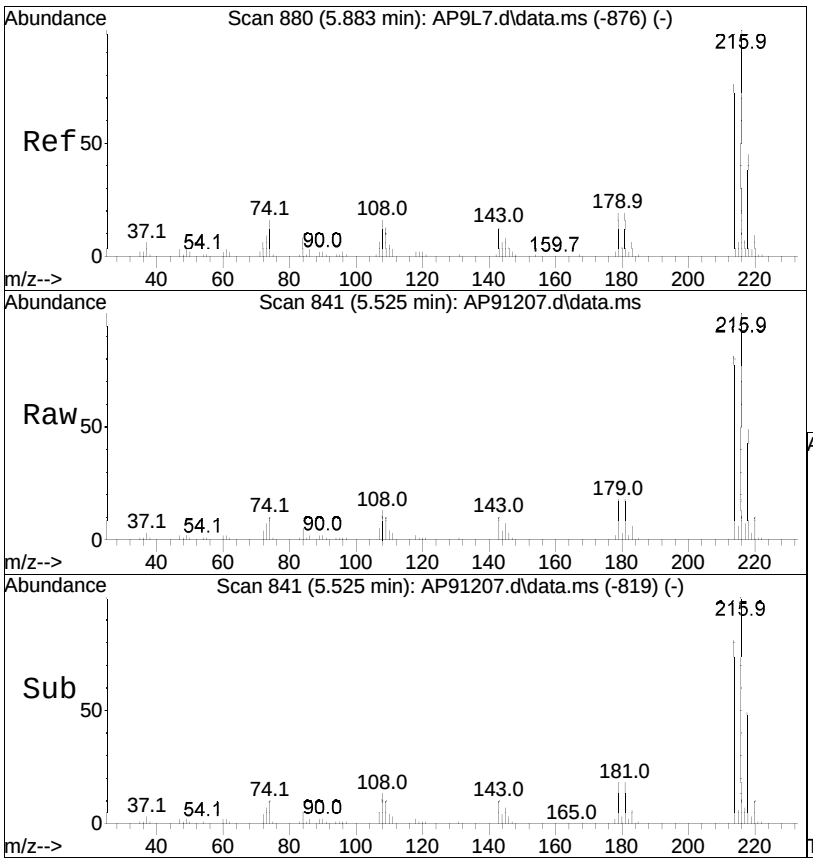


#60
Caprolactam
Concen: 47.02 ug/ml
RT: 5.135 min Scan# 768
Delta R.T. -0.011 min
Lab File: AP91207.d
Acq: 7 Dec 2020 9:19 am

Tgt Ion: 55 Resp: 87565

Ion	Ratio	Lower	Upper
55	100		
85	43.6	36.6	54.8
113	42.8	50.2	75.2#

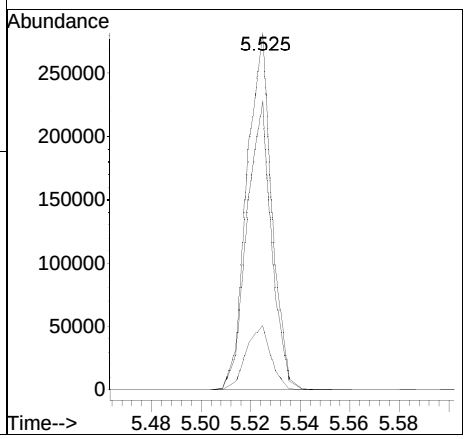


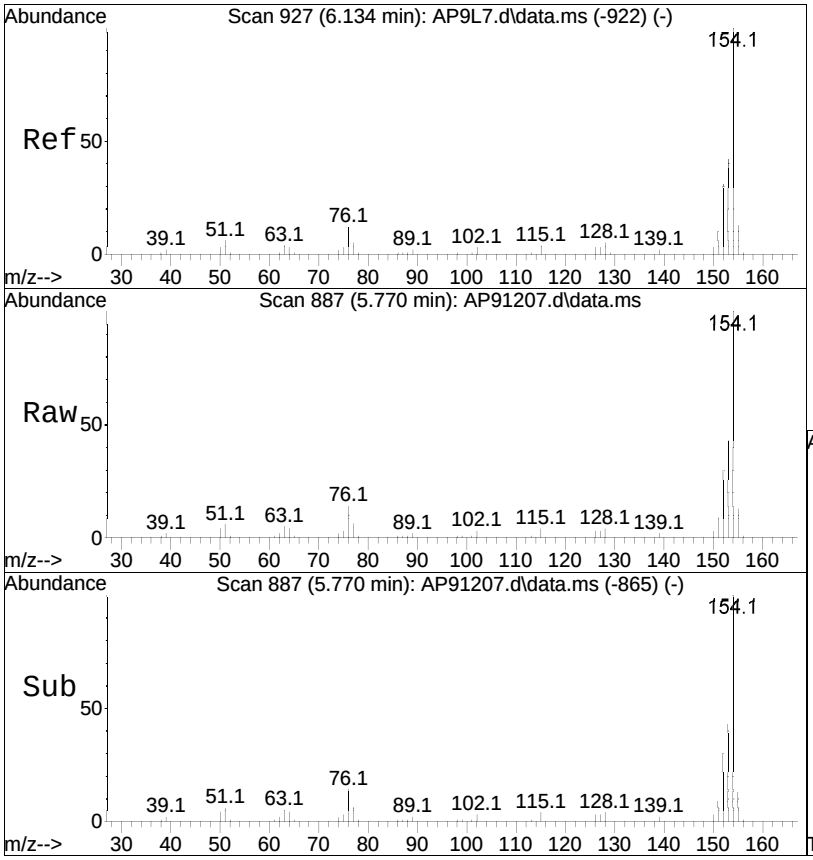


#61
1,2,4,5-Tetrachlorobenzene
Concen: 54.12 ug/ml
RT: 5.525 min Scan# 841
Delta R.T. -0.006 min
Lab File: AP91207.d
Acq: 7 Dec 2020 9:19 am

Tgt Ion:216 Resp: 196059

Ion	Ratio	Lower	Upper
216	100		
214	80.2	63.0	94.4
179	18.0	15.3	22.9

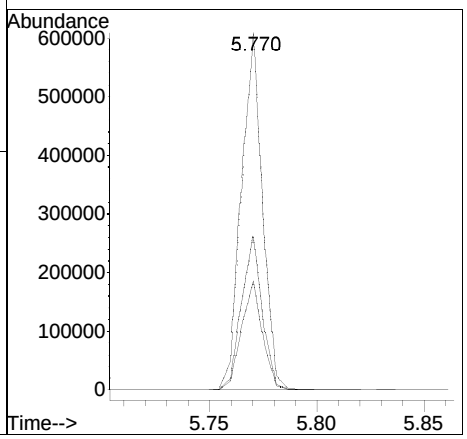


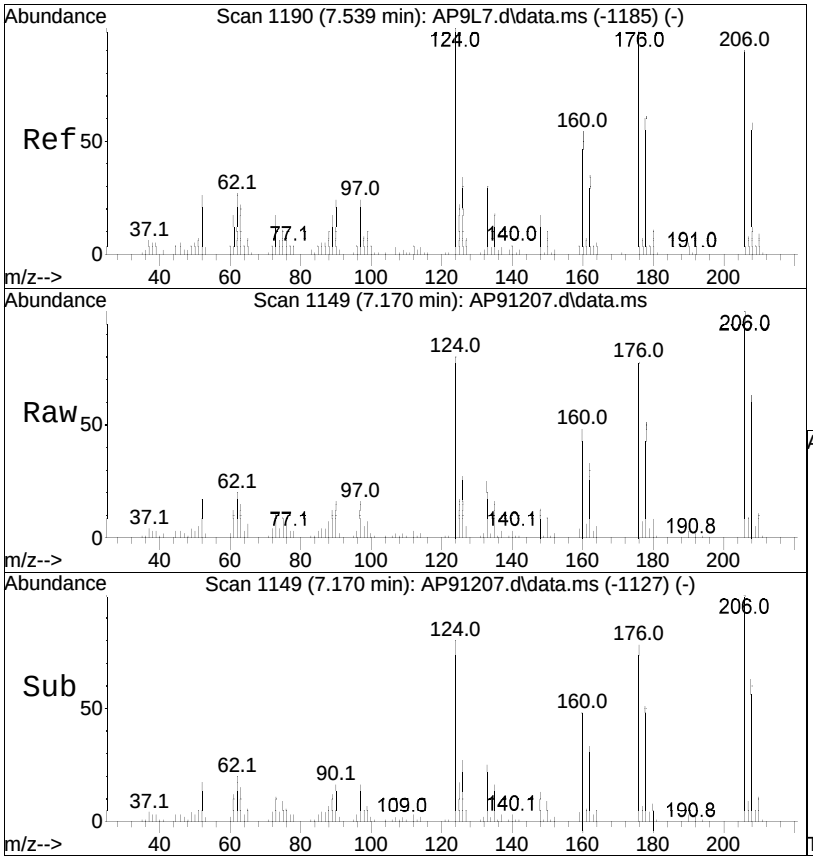


#62
Biphenyl
Concen: 49.74 ug/ml
RT: 5.770 min Scan# 887
Delta R.T. -0.006 min
Lab File: AP91207.d
Acq: 7 Dec 2020 9:19 am

Tgt Ion:154 Resp: 409948

Ion	Ratio	Lower	Upper
154	100		
153	42.7	33.8	50.8
152	30.5	23.0	34.6

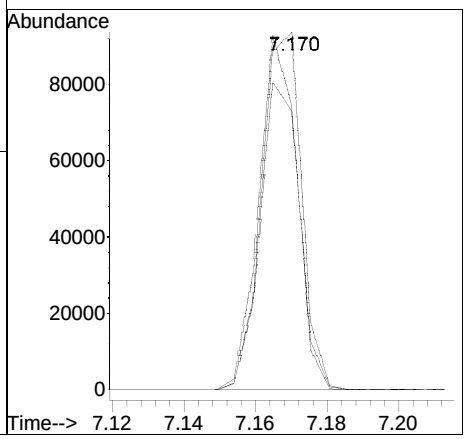


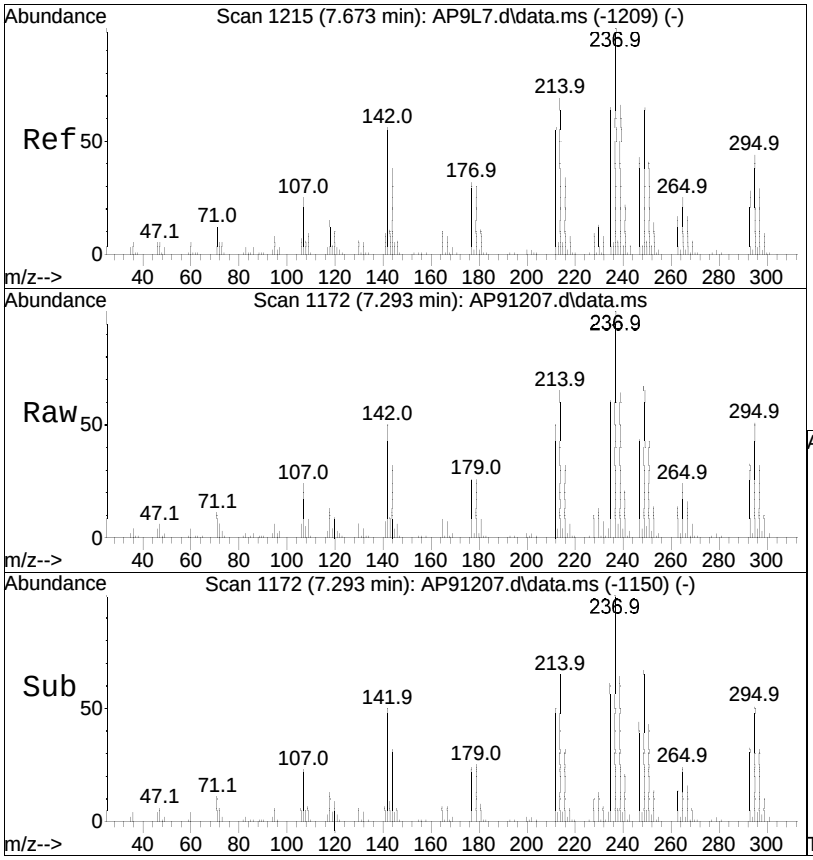


#84
Dichloran
Concen: 60.06 ug/ml
RT: 7.170 min Scan# 1149
Delta R.T. -0.006 min
Lab File: AP91207.d
Acq: 7 Dec 2020 9:19 am

Tgt Ion:206 Resp: 72466

Ion	Ratio	Lower	Upper
206	100		
176	84.9	82.7	124.1
124	93.7	86.2	129.4

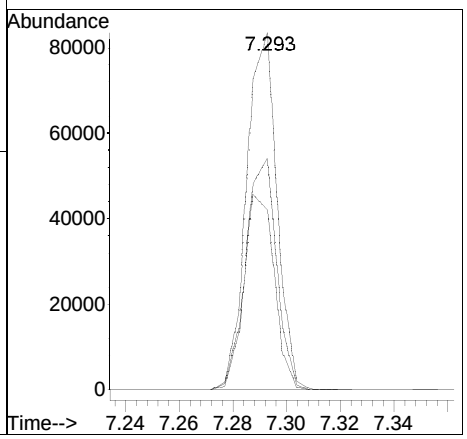


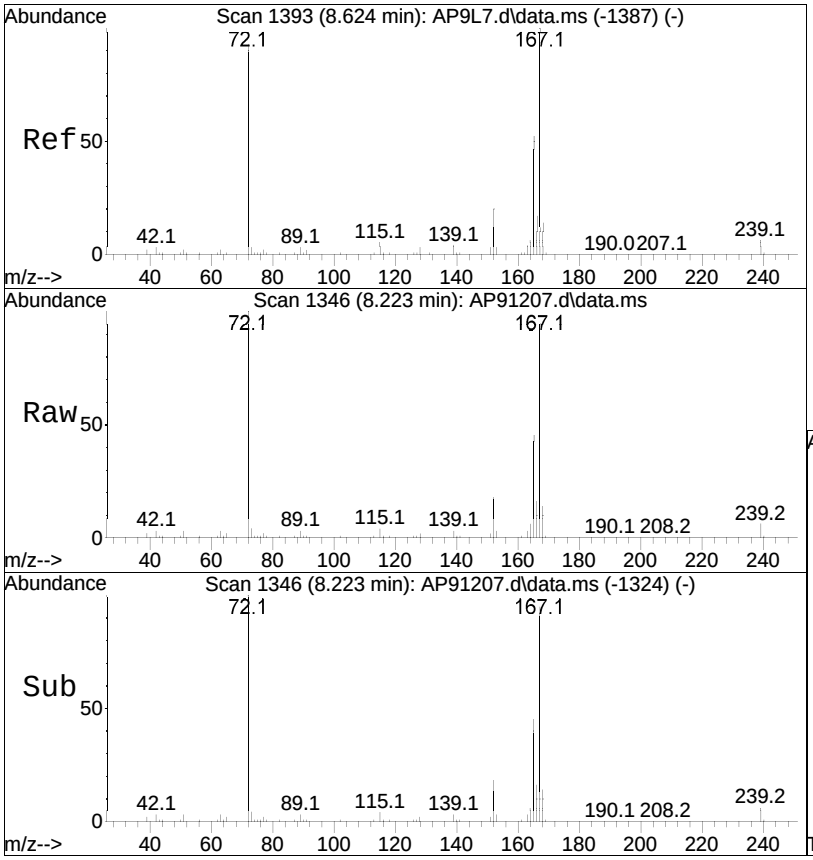


#85
Pentachloronitrobenzene
Concen: 54.88 ug/ml
RT: 7.293 min Scan# 1172
Delta R.T. -0.006 min
Lab File: AP91207.d
Acq: 7 Dec 2020 9:19 am

Tgt Ion:237 Resp: 65370

Ion	Ratio	Lower	Upper
237	100		
142	55.9	57.4	86.2#
214	65.2	55.0	82.6

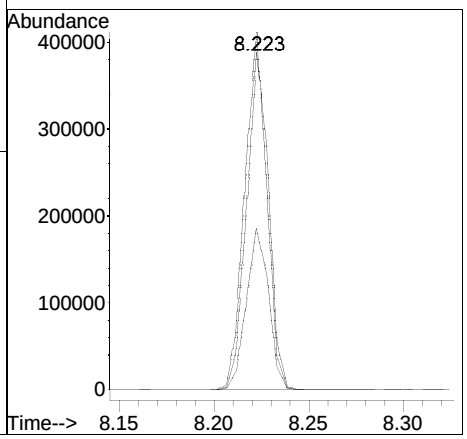




#99
Diphenamid
Concen: 48.48 ug/ml
RT: 8.223 min Scan# 1346
Delta R.T. -0.011 min
Lab File: AP91207.d
Acq: 7 Dec 2020 9:19 am

Tgt Ion:167 Resp: 310515

Ion	Ratio	Lower	Upper
167	100		
72	105.0	95.0	142.6
165	48.5	40.4	60.6



Manual Integration Report

Data Path	: I:\8270\GCMS5\201207\	QMethod	: FS200401gcms5.m
Data File	: AP91207.d	Operator	: GCMS5:sz
Date Inj'd	: 12/7/2020 9:19 am	Instrument	: GCMS5
Sample	: wg1441843-4,32,,AP9 CCV Lo	Quant Date	: 12/7/2020 9:35 am

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\8270\GCMS5\201207\
Data File : ADP1207.d
Acq On : 7 Dec 2020 9:41 am
Operator : GCMS5:sz
Sample : wg1441843-5,32,,ADP CCV Lot # 9038
Misc : wg1441843,,ical16639
ALS Vial : 98 Sample Multiplier: 1

Quant Time: Dec 07 10:11:20 2020
Quant Method : I:\8270\GCMS5\201207\FS200401gcms5.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 07 04:47:01 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
32	I	IS3_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	60	0.00
33	T	1,4-Dioxane	0.479	0.419	12.5	52	0.00
34	T	n-Decane	1.305	1.189	8.9	51	0.00
86	I	IS3_Acenaphthene-d10	1.000	1.000	0.0	63	0.00
87	T	Atrazine	0.322	0.407	-26.4#	76	0.00
100	I	IS3_Phenanthrene-d10	1.000	1.000	0.0	68	0.00
101	T	n-Octadecane	0.427	0.381	10.8	58	0.00
102	T	Parathion	* 50.000	51.290	-2.6	73	0.00
103	T	3,3'-Dimethylbenzidine	0.715	0.942	-31.7#	79	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\201207\
Data File : ADP1207.d
Acq On : 7 Dec 2020 9:41 am
Operator : GCMS5:sz
Sample : wg1441843-5,32,,ADP CCV Lot # 9038
Misc : wg1441843,,ical16639
ALS Vial : 98 Sample Multiplier: 1

Quant Time: Dec 07 10:11:20 2020
Quant Method : I:\8270\GCMS5\201207\FS200401gcms5.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 07 04:47:01 2020
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	3.671	152	96211	40.000	ug/ml	-0.01
86) IS3_Acenaphthene-d10	6.219	164	219491	40.000	ug/ml	0.00
100) IS3_Phenanthrene-d10	7.411	188	453965	40.000	ug/ml	-0.01
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.069	88	50377	43.734	ug/ml#	82
34) n-Decane	3.586	57	142944	45.551	ug/ml	96
87) Atrazine	7.240	200	111638	63.200	ug/ml	92
101) n-Octadecane	7.416	57	216374	44.628	ug/ml	90
102) Parathion	8.116	109	80116	51.290	ug/ml	90
103) 3,3'-Dimethylbenzidine	9.280	212	534662	65.895	ug/ml	98

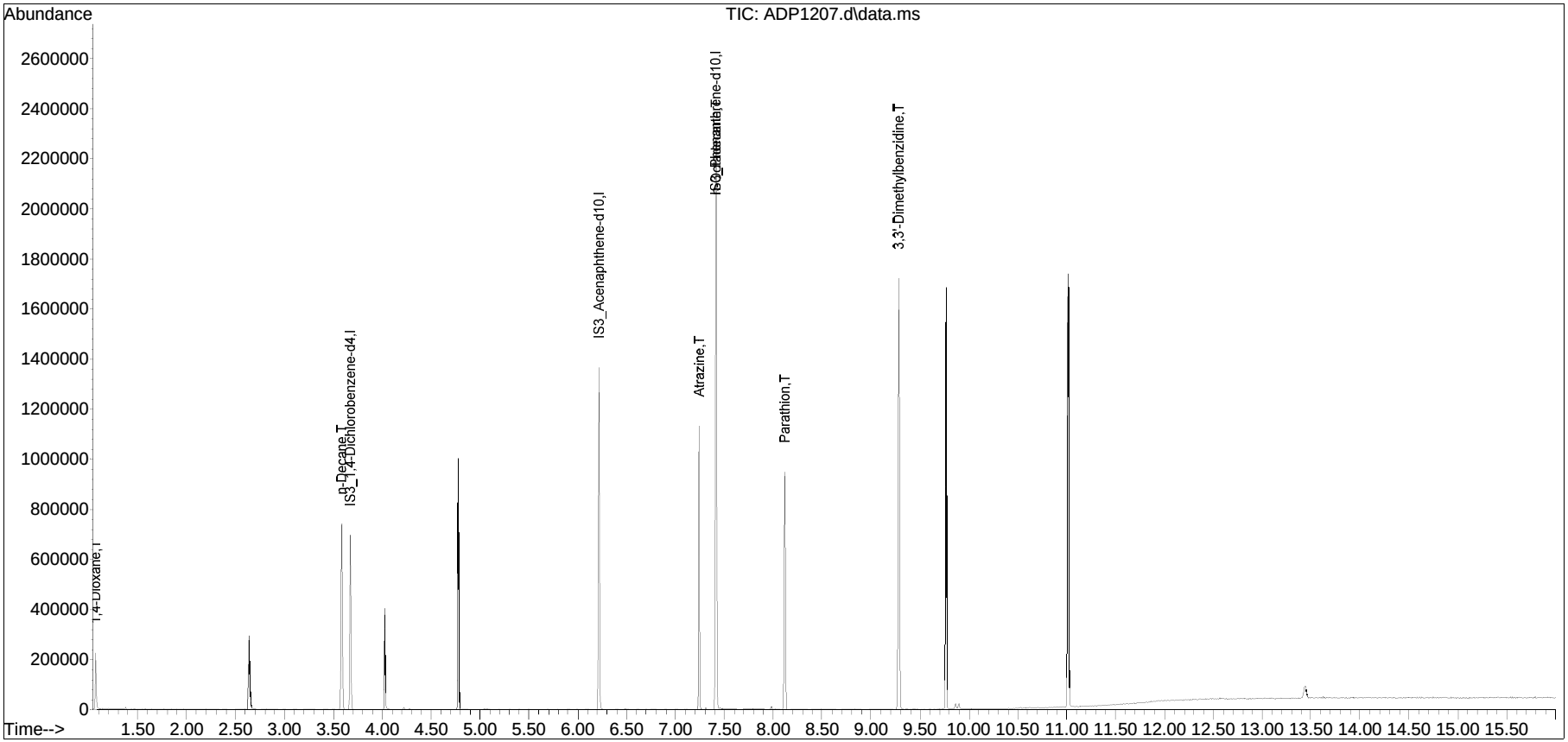
(#) = qualifier out of range (m) = manual integration (+) = signals summed

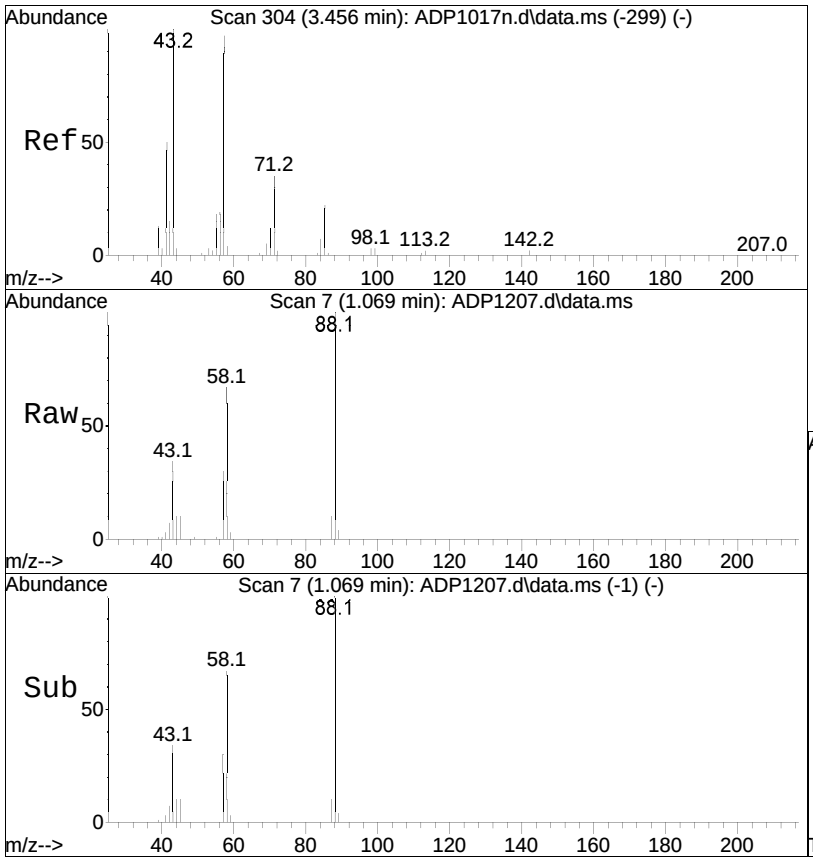
Quantitation Report (QT Reviewed)

Data Path : I:\8270\GCMS5\201207\
Data File : ADP1207.d
Acq On : 7 Dec 2020 9:41 am
Operator : GCMS5:sz
Sample : wg1441843-5,32,,ADP CCV Lot # 9038
Misc : wg1441843,,ical16639
ALS Vial : 98 Sample Multiplier: 1

Quant Time: Dec 07 10:11:20 2020
Quant Method : I:\8270\GCMS5\201207\FS200401gcms5.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 07 04:47:01 2020
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

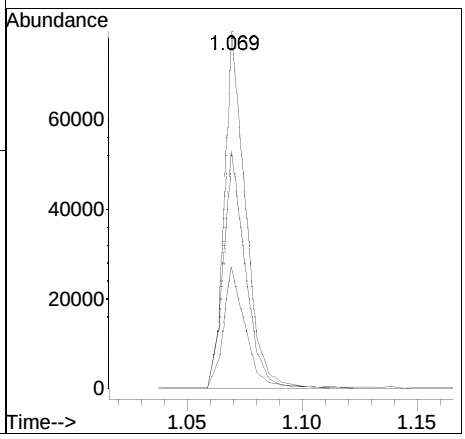


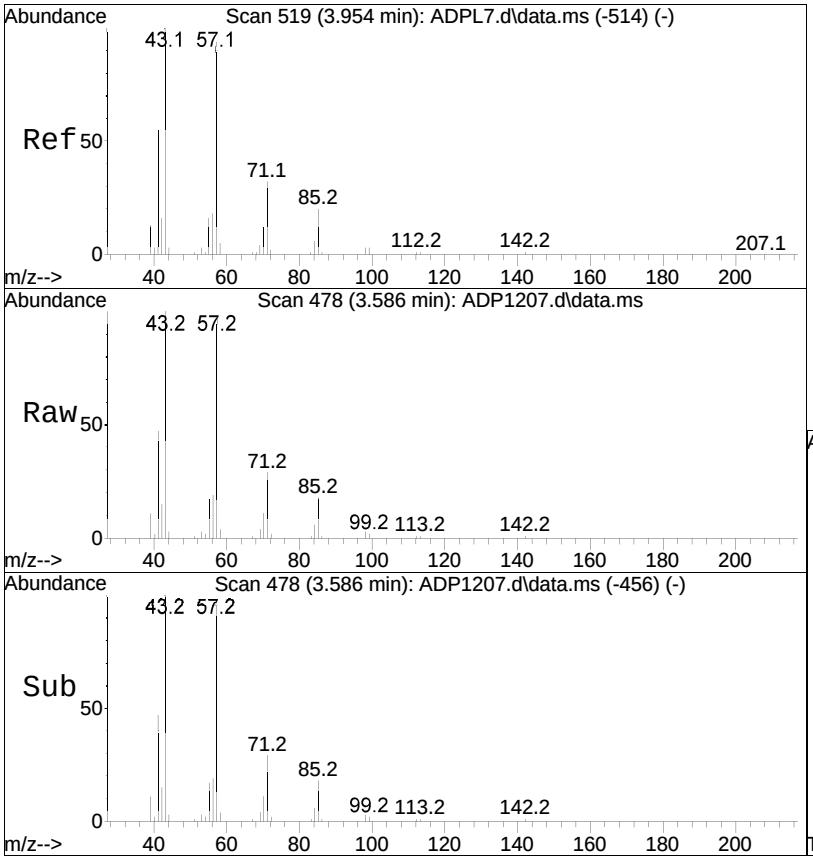


#33
1,4-Dioxane
Concen: 43.73 ug/ml
RT: 1.069 min Scan# 7
Delta R.T. -0.011 min
Lab File: ADP1207.d
Acq: 7 Dec 2020 9:41 am

Tgt Ion: 88 Resp: 50377

Ion	Ratio	Lower	Upper
88	100		
58	69.1	44.8	67.2#
43	34.7	20.8	31.2#

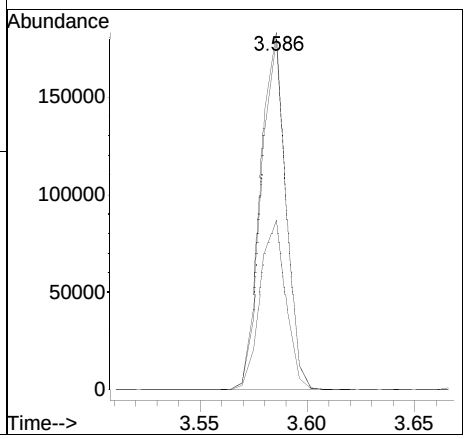


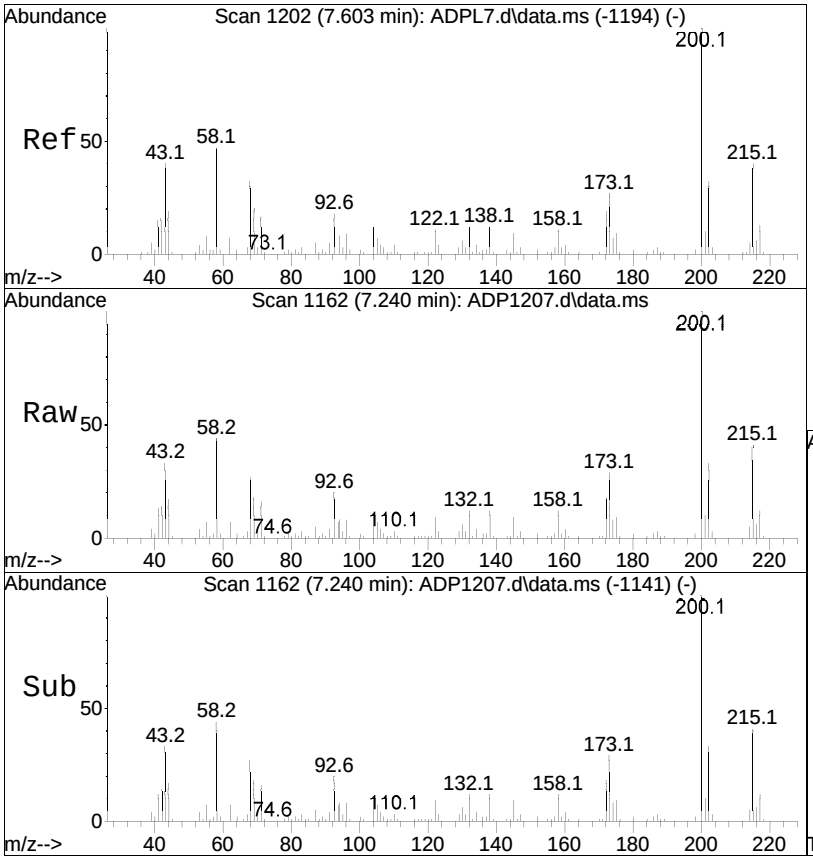


#34
n-Decane
Concen: 45.55 ug/ml
RT: 3.586 min Scan# 478
Delta R.T. -0.005 min
Lab File: ADP1207.d
Acq: 7 Dec 2020 9:41 am

Tgt Ion: 57 Resp: 142944

Ion	Ratio	Lower	Upper
57	100		
43	104.0	84.2	126.2
41	50.5	45.8	68.8

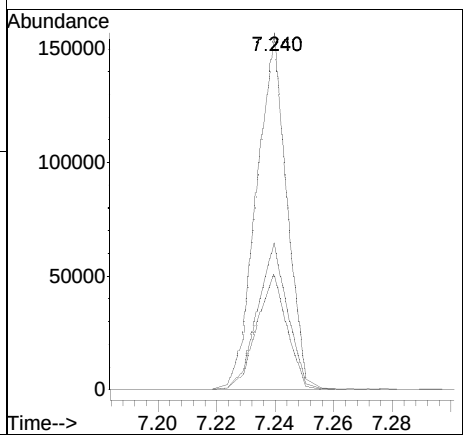


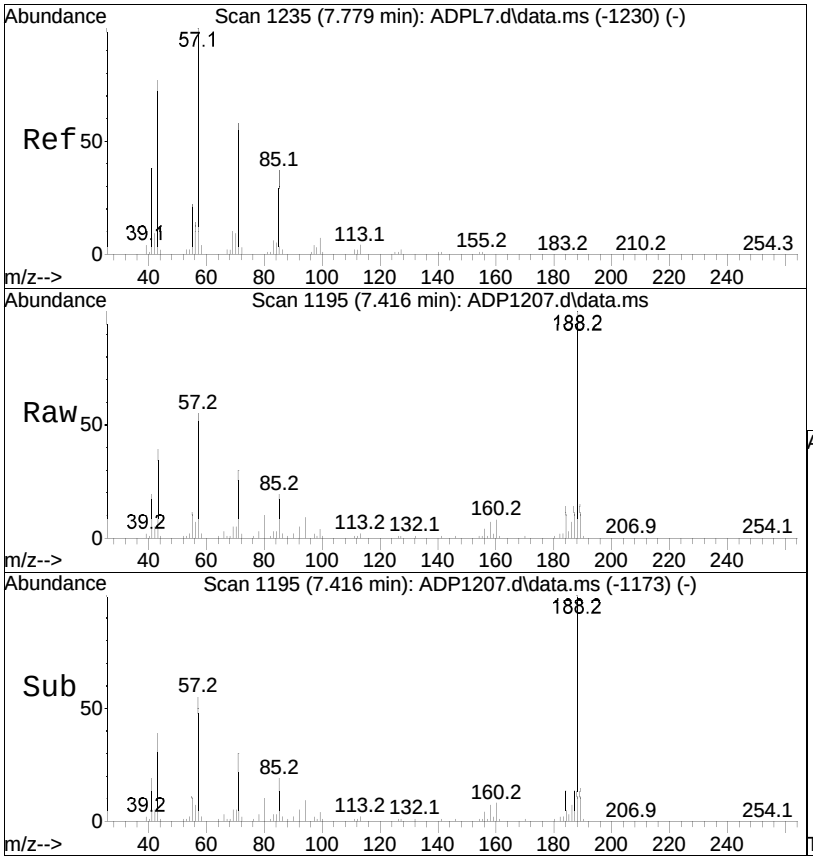


#87
Atrazine
Concen: 63.20 ug/ml
RT: 7.240 min Scan# 1162
Delta R.T. -0.011 min
Lab File: ADP1207.d
Acq: 7 Dec 2020 9:41 am

Tgt Ion:200 Resp: 111638

Ion	Ratio	Lower	Upper
200	100		
202	32.4	25.8	38.8
215	41.0	40.3	60.5

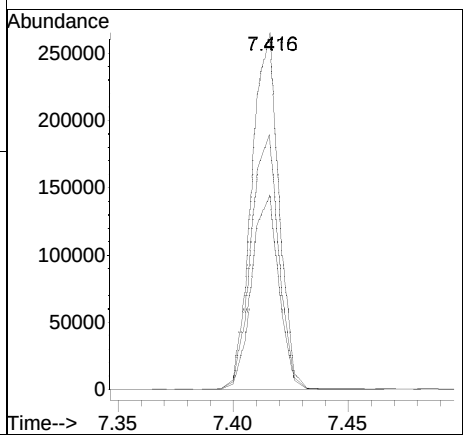


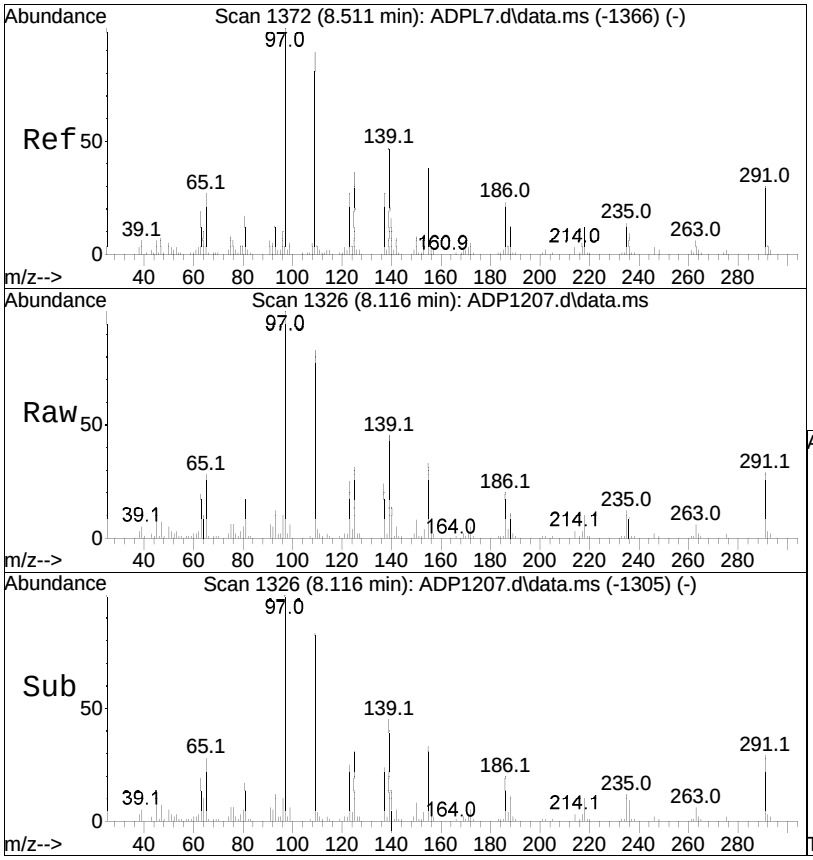


#101
n-Octadecane
Concen: 44.63 ug/ml
RT: 7.416 min Scan# 1195
Delta R.T. -0.005 min
Lab File: ADP1207.d
Acq: 7 Dec 2020 9:41 am

Tgt Ion: 57 Resp: 216374

Ion	Ratio	Lower	Upper
57	100		
43	72.7	65.0	97.4
71	54.5	50.5	75.7

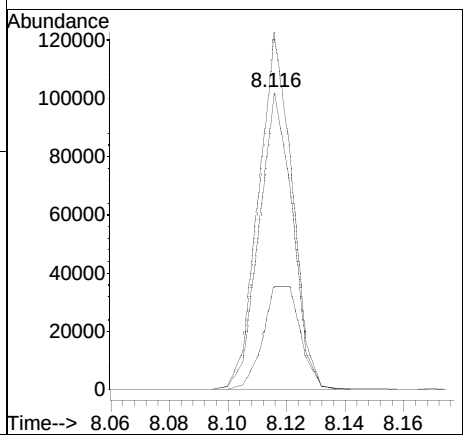


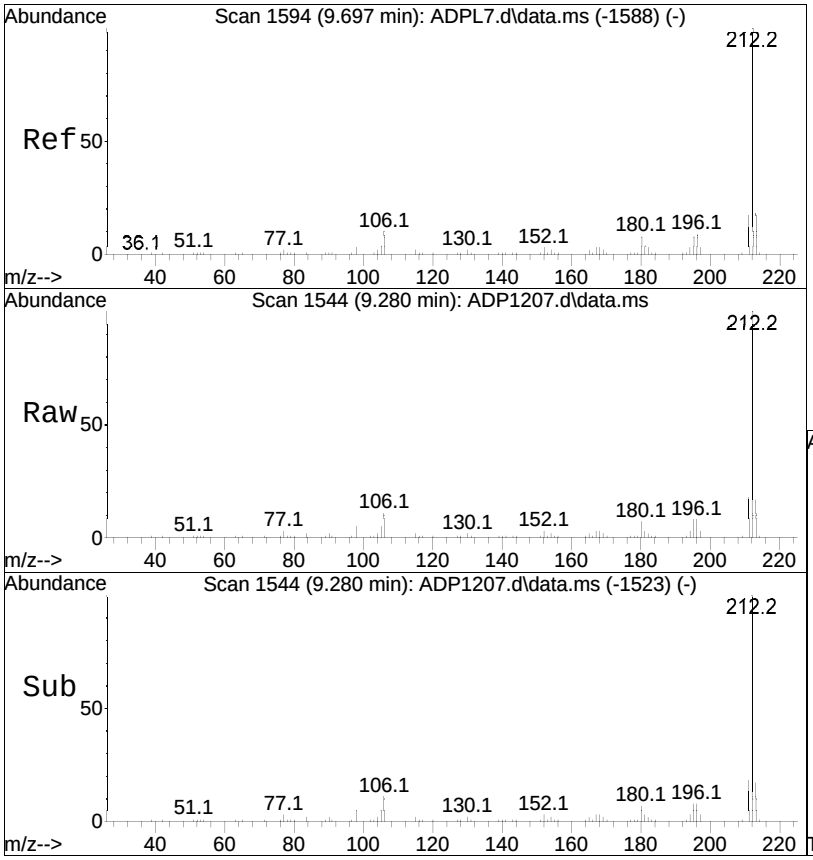


#102
Parathion
Concen: 51.29 ug/ml
RT: 8.116 min Scan# 1326
Delta R.T. -0.011 min
Lab File: ADP1207.d
Acq: 7 Dec 2020 9:41 am

Tgt Ion:109 Resp: 80116

Ion	Ratio	Lower	Upper
109	100		
97	120.6	88.6	133.0
291	38.9	36.5	54.7

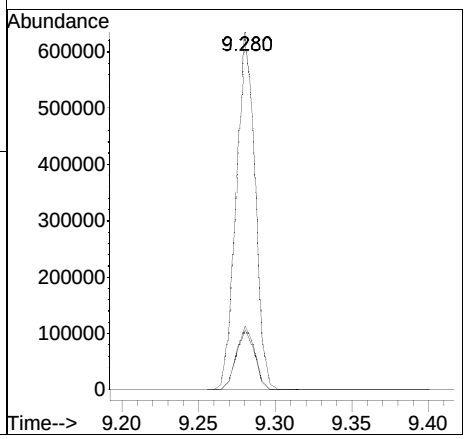




#103
3,3'-Dimethylbenzidine
Concen: 65.89 ug/ml
RT: 9.280 min Scan# 1544
Delta R.T. -0.011 min
Lab File: ADP1207.d
Acq: 7 Dec 2020 9:41 am

Tgt Ion:212 Resp: 534662

Ion	Ratio	Lower	Upper
212	100		
211	17.8	13.2	19.8
213	16.7	13.9	20.9



Manual Integration Report

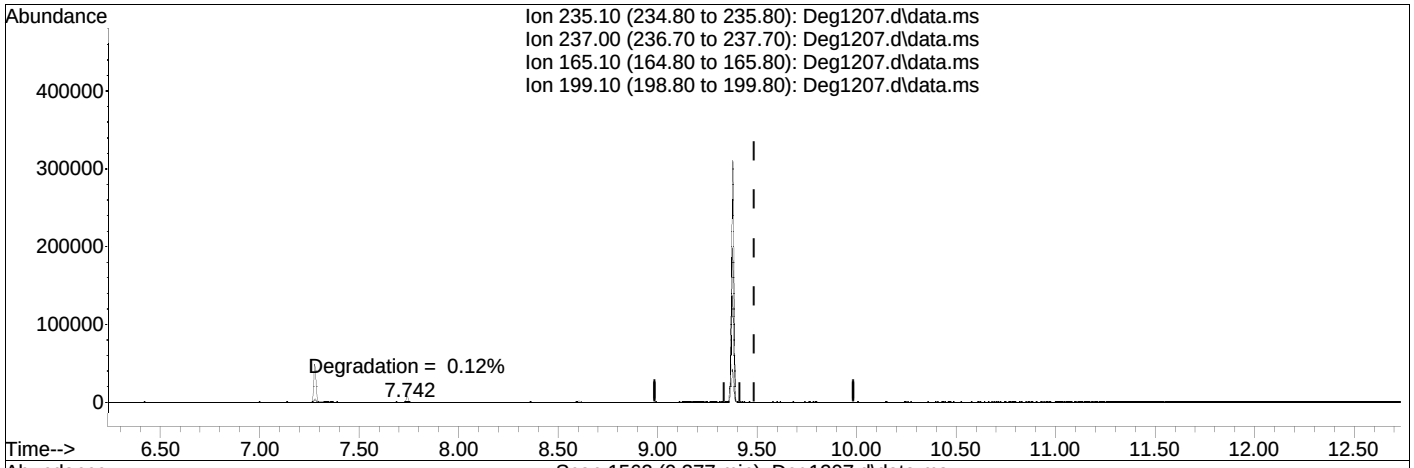
Data Path	: I:\8270\GCMS5\201207\	QMethod	: FS200401gcms5.m
Data File	: ADP1207.d	Operator	: GCMS5:sz
Date Inj'd	: 12/7/2020 9:41 am	Instrument	: GCMS5
Sample	: wg1441843-5,32,,ADP CCV Lo	Quant Date	: 12/7/2020 10:10 am

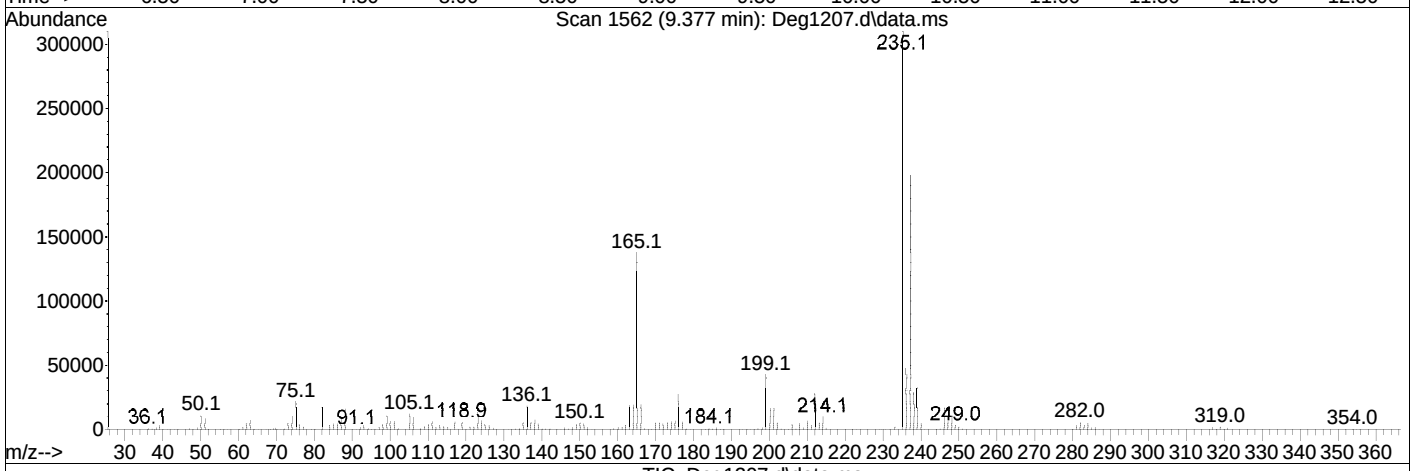
There are no manual integrations or false positives in this file.

Quantitation Report (Qedit)

Data Path : I:\8270\GCMS5\201207\
Data File : Deg1207.d
Acq On : 7 Dec 2020 8:34 am
Operator : GCMS5:sz
Sample : wg1441843-2,32,,GCMS5 Degdftpp
Misc : wg1441843,,ical16639
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Dec 07 08:55:51 2020
Quant Method : I:\8270\GCMS5\201207\dftppgcms5.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 30 10:59:34 2020
Response via : Initial Calibration





TIC: Deg1207.d\data.ms

(6) DDT (T)

9.377min (-0.109) 42.59 Lin

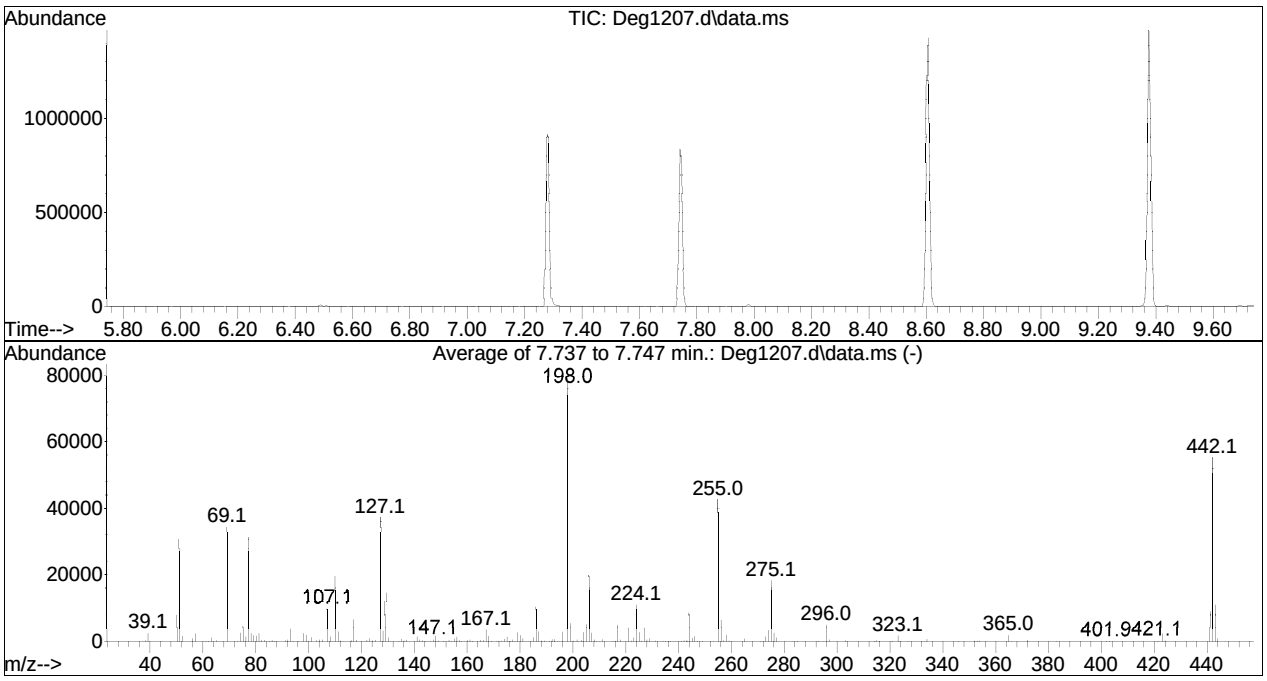
response 259596

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	65.70	65.21
165.10	44.40	44.15
199.10	12.50	13.35

Data Path : I:\8270\GCMS5\201207\
Data File : Deg1207.d
Acq On : 7 Dec 2020 8:34 am
Operator : GCMS5:sz
Sample : wg1441843-1,32,,GCMS5 Degdftpp
Misc : wg1441843,,ical16639
ALS Vial : 100 Sample Multiplier: 1

Integration File: rteint.p

Method : i:\8270\GCMS5\201207\FS200401gcms5.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Dec 07 11:50:37 2020



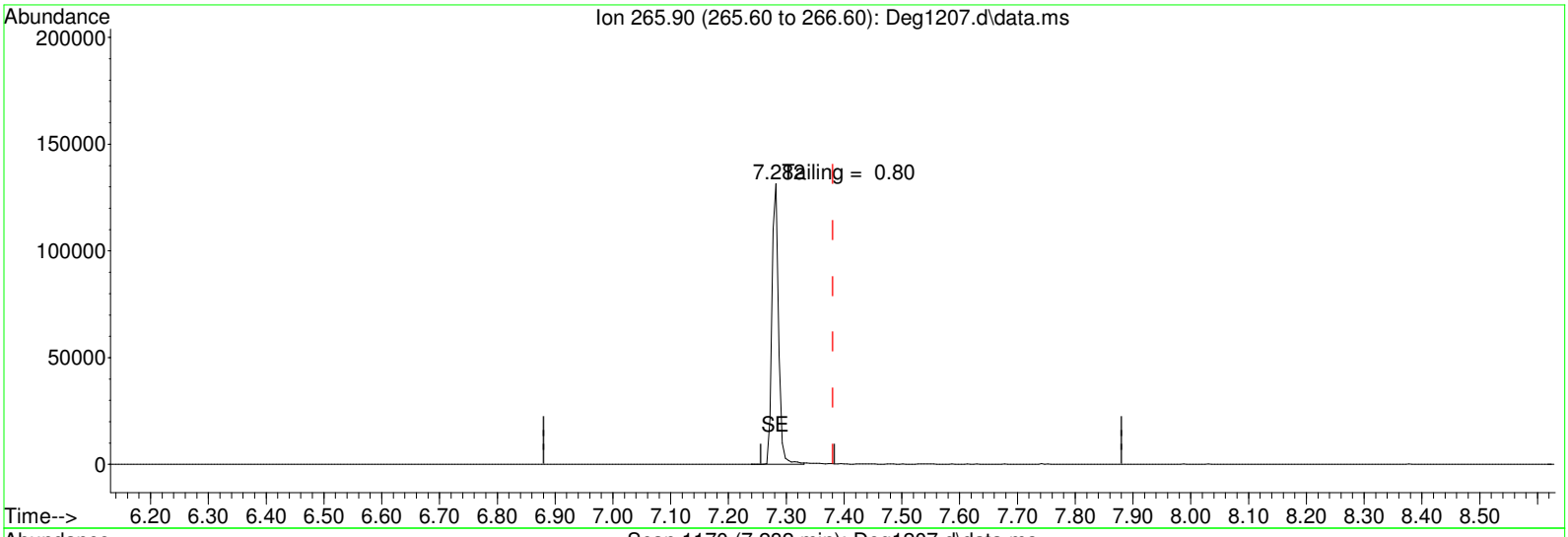
Spectrum Information: Average of 7.737 to 7.747 min.

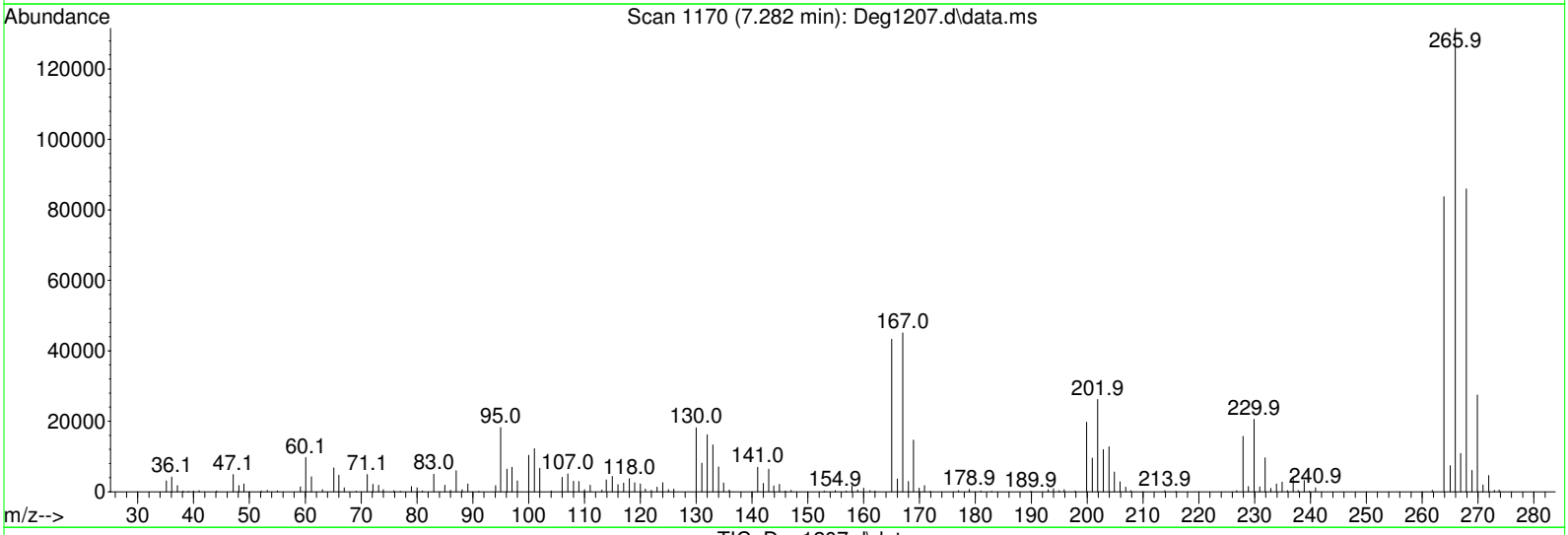
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	38.7	30699	PASS
68	69	0.00	2	0.0	0	PASS
69	69	100	100	100.0	34347	PASS
70	69	0.00	2	0.2	73	PASS
127	198	10	80	46.8	37131	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	79264	PASS
199	198	5	9	6.8	5395	PASS
275	198	10	60	22.8	18111	PASS
365	198	1	100	2.4	1874	PASS
441	442	0.01	24	16.5	9108	PASS
442	198	50	100	69.7	55279	PASS
443	442	15	24	19.8	10960	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\GCMS5\201207\
Data File : Deg1207.d
Acq On : 7 Dec 2020 8:34 am
Operator : GCMS5:sz
Sample : wg1481843-2,32,,GCMS5 Degdftpp
Misc : wg1481843,,ical16639
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Dec 07 08:55:51 2020
Quant Method : I:\8270\GCMS5\201207\dftppgcms5.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 30 10:59:34 2020
Response via : Initial Calibration





TIC: Deg1207.d\data.ms

(1) Pentachlorophenol (T)

7.282min (-0.098) 51.57 Lin

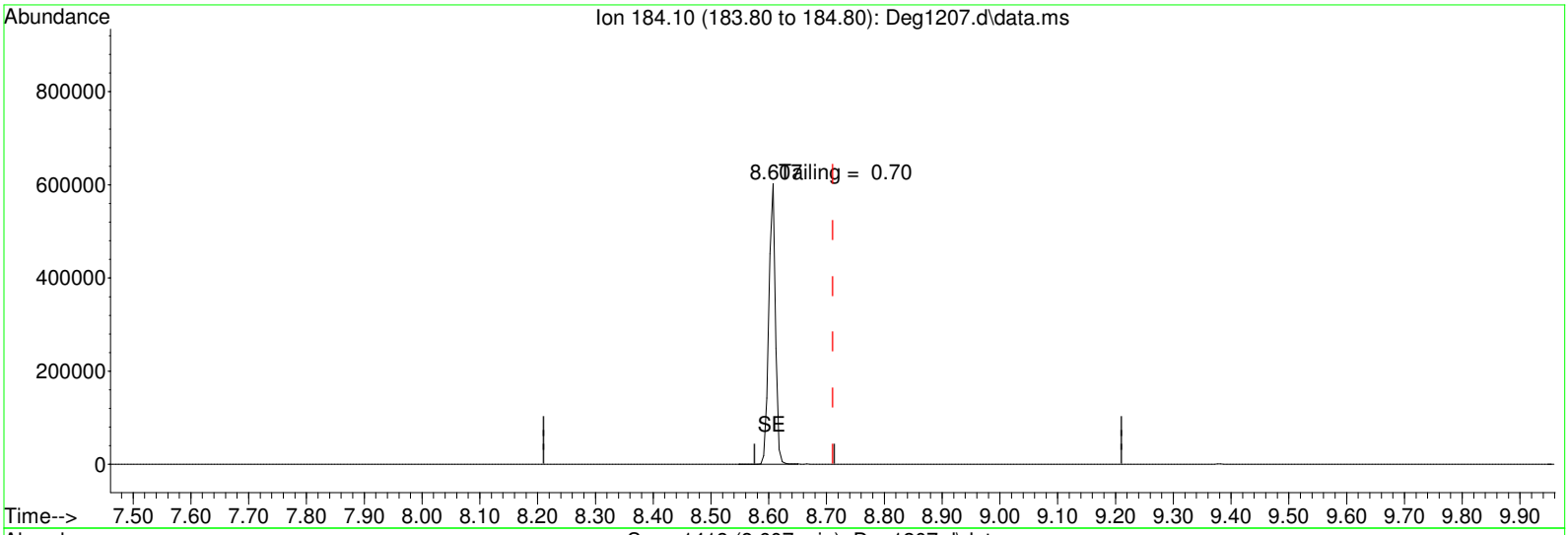
response 108319

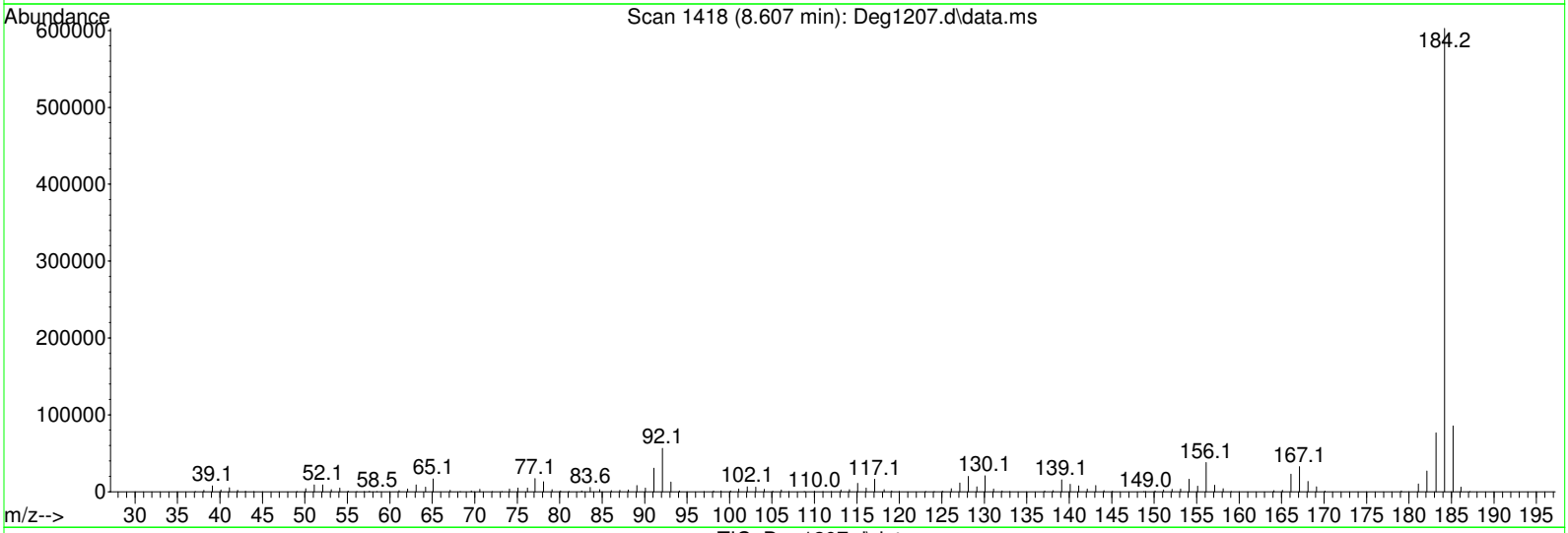
Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\GCMS5\201207\
Data File : Deg1207.d
Acq On : 7 Dec 2020 8:34 am
Operator : GCMS5:sz
Sample : wg1481843-2,32,,GCMS5 Degdftpp
Misc : wg1481843,,ical16639
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Dec 07 08:55:51 2020
Quant Method : I:\8270\GCMS5\201207\dftppgcms5.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 30 10:59:34 2020
Response via : Initial Calibration





TIC: Deg1207.d\data.ms

(3) Benzidine (T)

8.607min (-0.103) 47.66 Lin

response 485183

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Semivolatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201203\
Data File : 440317-1.D
Acq On : 3 Dec 2020 9:11 am
Operator : Buffy:jg
Sample : WG1440317-1,32,,AM,
Misc : WG1440617,WG1440317,ICAL17377
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 04 14:57:27 2020
Quant Method : I:\8270\Buffy\201203\FS201120buffy.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 03 12:48:08 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201203\ABN1203a.D
: 2 - I:\8270\Buffy\201203\ADP1203.D
: 3 - I:\8270\Buffy\201203\AP91203.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.961	152	198252	40.000	ug/ml	0.00
Standard Area 1 = 197138			Recovery = 100.57%			
27) IS2_1,4-Dichlorobenzen...	3.961	152	198252	40.000	ug/ml	0.00
Standard Area 3 = 207397			Recovery = 95.59%			
32) IS3_1,4-Dichlorobenzen...	3.961	152	198252	40.000	ug/ml	0.00
Standard Area 2 = 195628			Recovery = 101.34%			
35) IS1_Naphthalene-d8	5.030	136	764402	40.000	ug/ml	0.00
Standard Area 1 = 800181			Recovery = 95.53%			
55) IS2_Naphthalene-d8	5.030	136	764402	40.000	ug/ml	0.00
Standard Area 3 = 813715			Recovery = 93.94%			
63) IS1_Acenaphthene-d10	6.540	164	452502	40.000	ug/ml	0.00
Standard Area 1 = 485357			Recovery = 93.23%			
83) IS2_Acenaphthene-d10	6.540	164	452502	40.000	ug/ml	0.00
Standard Area 3 = 484202			Recovery = 93.45%			
86) IS3_Acenaphthene-d10	6.540	164	452502	40.000	ug/ml	0.00
Standard Area 2 = 456868			Recovery = 99.04%			
88) IS1_Phenanthrene-d10	7.809	188	958657	40.000	ug/ml	0.00
Standard Area 1 = 1010214			Recovery = 94.90%			
100) IS3_Phenanthrene-d10	7.809	188	958657	40.000	ug/ml	0.00
Standard Area 2 = 941073			Recovery = 101.87%			
104) IS1_Chrysene-d12	10.365	240	1040094	40.000	ug/ml	0.00
Standard Area 1 = 1092403			Recovery = 95.21%			
113) IS1_Perylene-d12	12.445	264	1166179	40.000	ug/ml	0.00
Standard Area 1 = 1203634			Recovery = 96.89%			
System Monitoring Compounds						
4) 2-Fluorophenol	2.903	112	154072	27.380	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery = 54.76%			
7) Phenol-d6	3.691	99	207031	30.686	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery = 61.37%			
19) Nitrobenzene-d5	4.431	82	83079	13.370	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 53.48%			
46) 2-Fluorobiphenyl	5.970	172	254862	15.496	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 61.98%			
79) 2,4,6-Tribromophenol	7.222	330	104190	34.824	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery = 69.65%			

Data Path : I:\8270\Buffy\201203\
Data File : 440317-1.D
Acq On : 3 Dec 2020 9:11 am
Operator : Buffy:jg
Sample : WG1440317-1,32,,AM,
Misc : WG1440617,WG1440317,ICAL17377
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 04 14:57:27 2020
Quant Method : I:\8270\Buffy\201203\FS201120buffy.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 03 12:48:08 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201203\ABN1203a.D
: 2 - I:\8270\Buffy\201203\ADP1203.D
: 3 - I:\8270\Buffy\201203\AP91203.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 4-Terphenyl-d14	9.225	244	498942	20.409	ug/ml	0.00

Spiked Amount 25.000 Range 30 - 130 Recovery = 81.64%

Target Compounds				Qvalue
6) 2-Chlorophenol	0.000	0	N.D.	
8) Phenol	0.000	0	N.D.	
9) Bis(2-chloroethyl)ether	0.000	0	N.D.	
10) 1,3-Dichlorobenzene	0.000	0	N.D.	
11) 1,4-Dichlorobenzene	0.000	0	N.D.	
12) 1,2-Dichlorobenzene	0.000	0	N.D.	
13) Benzyl alcohol	0.000	0	N.D.	
14) Bis(2-chloroisopropyl)...	0.000	0	N.D.	
15) 2-Methylphenol	0.000	0	N.D.	
16) Hexachloroethane	0.000	0	N.D.	
17) n-Nitrosodi-n-propylamine	0.000	0	N.D.	
18) 3-Methylphenol/4-Methy...	0.000	0	N.D.	
20) Nitrobenzene	0.000	0	N.D.	d
21) Isophorone	0.000	0	N.D.	
22) 2-Nitrophenol	0.000	0	N.D.	
23) 2,4-Dimethylphenol	0.000	0	N.D.	
24) Bis(2-chloroethoxy)met...	0.000	0	N.D.	
25) 2,4-Dichlorophenol	0.000	0	N.D.	
26) 1,2,4-Trichlorobenzene	0.000	0	N.D.	
29) Acetophenone	0.000	0	N.D.	
33) 1,4-Dioxane	0.000	0	N.D.	
36) Naphthalene	0.000	0	N.D.	
37) Benzoic Acid	0.000	0	N.D.	d
38) 4-Chloroaniline	0.000	0	N.D.	d
39) Hexachlorobutadiene	0.000	0	N.D.	
40) p-Chloro-m-cresol	0.000	0	N.D.	
41) 2-Methylnaphthalene	0.000	0	N.D.	
43) Hexachlorocyclopentadiene	0.000	0	N.D.	
44) 2,4,6-Trichlorophenol	0.000	0	N.D.	
45) 2,4,5-Trichlorophenol	0.000	0	N.D.	
47) 2-Chloronaphthalene	0.000	0	N.D.	
48) 2-Nitroaniline	0.000	0	N.D.	
51) Dimethyl phthalate	0.000	0	N.D.	

Data Path : I:\8270\Buffy\201203\
Data File : 440317-1.D
Acq On : 3 Dec 2020 9:11 am
Operator : Buffy:jg
Sample : WG1440317-1,32,,AM,
Misc : WG1440617,WG1440317,ICAL17377
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 04 14:57:27 2020
Quant Method : I:\8270\Buffy\201203\FS201120buffy.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 03 12:48:08 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201203\ABN1203a.D
: 2 - I:\8270\Buffy\201203\ADP1203.D
: 3 - I:\8270\Buffy\201203\AP91203.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Acenaphthylene	0.000		0	N.D.		
53) 2,6-Dinitrotoluene	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
65) Acenaphthene	0.000		0	N.D.		d
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.		
69) 4-Nitrophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		
73) Fluorene	0.000		0	N.D.		
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
77) NDPA/DPA	0.000		0	N.D.		d
80) 4-Bromophenyl phenyl e...	0.000		0	N.D.		
81) Hexachlorobenzene	0.000		0	N.D.		
82) Pentachlorophenol	0.000		0	N.D.		
89) Phenanthrene	0.000		0	N.D.		d
90) Anthracene	0.000		0	N.D.		d
91) Carbazole	0.000		0	N.D.		
92) Di-n-butylphthalate	0.000		0	N.D.		d
93) Fluoranthene	0.000		0	N.D.		d
95) Pyrene	0.000		0	N.D.		d
97) Butyl benzyl phthalate	0.000		0	N.D.		
105) Benzo(a)anthracene	0.000		0	N.D.		d
106) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
107) Chrysene	0.000		0	N.D.		d
108) Bis(2-ethylhexyl)phtha...	0.000		0	N.D.		d
109) Di-n-octylphthalate	0.000		0	N.D.		d
110) Benzo(b)fluoranthene	0.000		0	N.D.		d
111) Benzo(k)fluoranthene	0.000		0	N.D.		d
112) Benzo(a)pyrene	0.000		0	N.D.		d
114) Indeno(1,2,3-cd)pyrene	0.000		0	N.D.		
115) Dibenzo(a,h)anthracene	0.000		0	N.D.		d
116) Benzo(ghi)perylene	0.000		0	N.D.		d

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201203\
Data File : 440317-1.D
Acq On : 3 Dec 2020 9:11 am
Operator : Buffy:jg
Sample : WG1440317-1,32,,AM,
Misc : WG1440617,WG1440317,ICAL17377
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 04 14:57:27 2020
Quant Method : I:\8270\Buffy\201203\FS201120buffy.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 03 12:48:08 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201203\ABN1203a.D
: 2 - I:\8270\Buffy\201203\ADP1203.D
: 3 - I:\8270\Buffy\201203\AP91203.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

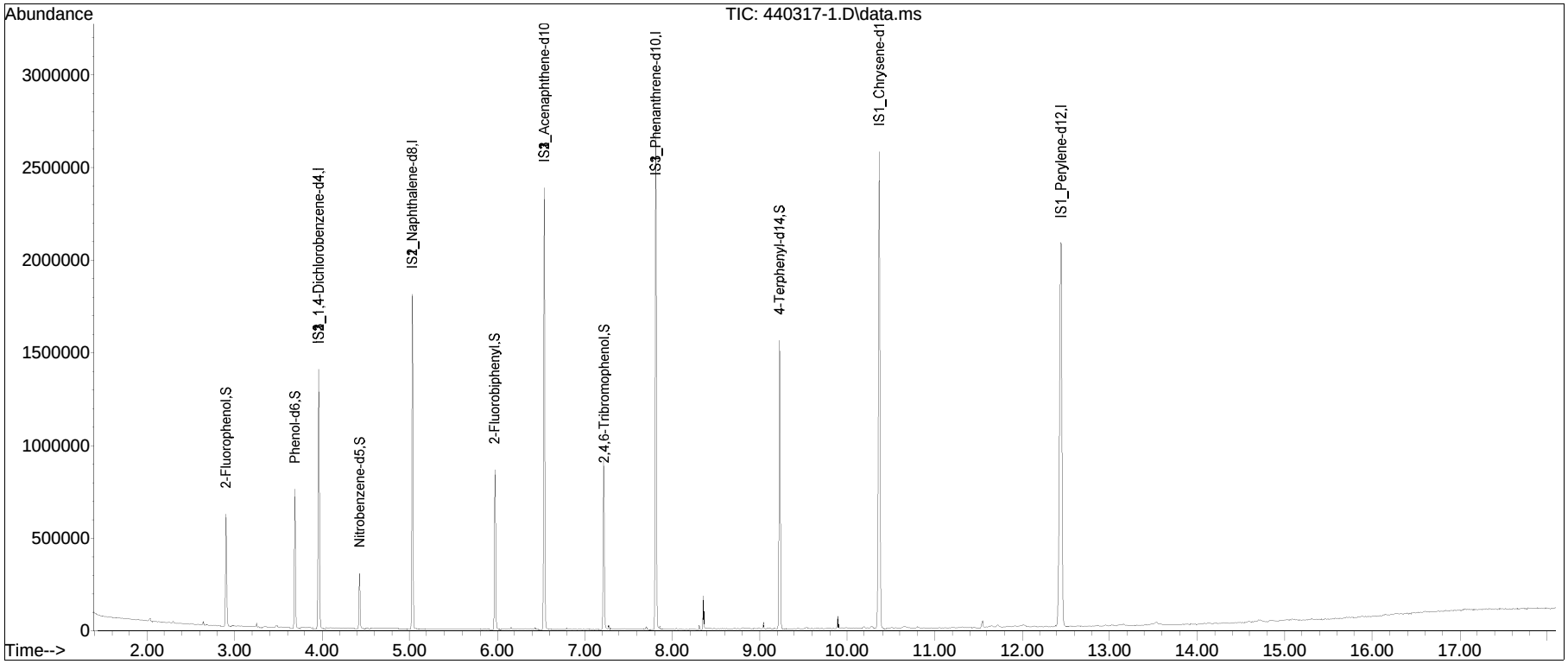
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201203\
Data File : 440317-1.D
Acq On : 3 Dec 2020 9:11 am
Operator : Buffy:jg
Sample : WG1440317-1,32,,AM,
Misc : WG1440617,WG1440317,ICAL17377
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 04 14:57:27 2020
Quant Method : I:\8270\Buffy\201203\FS201120buffy.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 03 12:48:08 2020
Response via : Initial Calibration

Sub List : 8270TCL_REV2 - TCL/CT/MA\AP91203.D••



Manual Integration Report

Data Path	: I:\8270\Buffy\201203\	QMethod	: FS201120buffy.m
Data File	: 440317-1.D	Operator	: Buffy:jg
Date Inj'd	: 12/3/2020 9:11 am	Instrument	: Buffy
Sample	: WG1440317-1,32,,AM,	Quant Date	: 12/3/2020 12:49 pm

There are no manual integrations or false positives in this file.

LSC Area Percent Report

Data Path : I:\8270\Buffy\201203\
Data File : 440317-1.D
Acq On : 3 Dec 2020 9:11 am
Operator : Buffy:jg
Sample : WG1440317-1,32,,AM,
Misc : WG1440617,WG1440317,ICAL17377
ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : i:\8270\BUFFY\201203\FS201120buffy.m
Title : Semivolatiles by GC/MS by modified 8270

Signal : TIC: 440317-1.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.903	256	259	264	rBV	604635	503880	14.61%	2.836%
2	3.691	389	393	397	rBV	749863	580092	16.82%	3.265%
3	3.961	436	439	443	rBV	1398637	1098626	31.85%	6.184%
4	4.431	515	519	524	rBV	297510	246746	7.15%	1.389%
5	5.030	618	621	625	rBV	1807694	1476839	42.81%	8.313%
6	5.970	778	781	785	rBV	862508	719587	20.86%	4.051%
7	6.540	874	878	881	rBV	2383252	1963114	56.91%	11.051%
8	7.216	990	993	997	rBV	911744	775591	22.48%	4.366%
9	7.809	1091	1094	1098	rBV	2722092	2319033	67.23%	13.054%
10	8.356	1184	1187	1193	rBV2	180650	138063	4.00%	0.777%
11	9.225	1331	1335	1339	rBV	1555714	1394163	40.41%	7.848%
12	9.889	1443	1448	1452	rBV	65377	68831	2.00%	0.387%
13	10.365	1523	1529	1534	rBV	2570575	2966161	85.98%	16.697%
14	11.540	1724	1729	1736	rBV3	37423	64365	1.87%	0.362%
15	12.439	1875	1882	1893	rVB	2073636	3449651	100.00%	19.419%

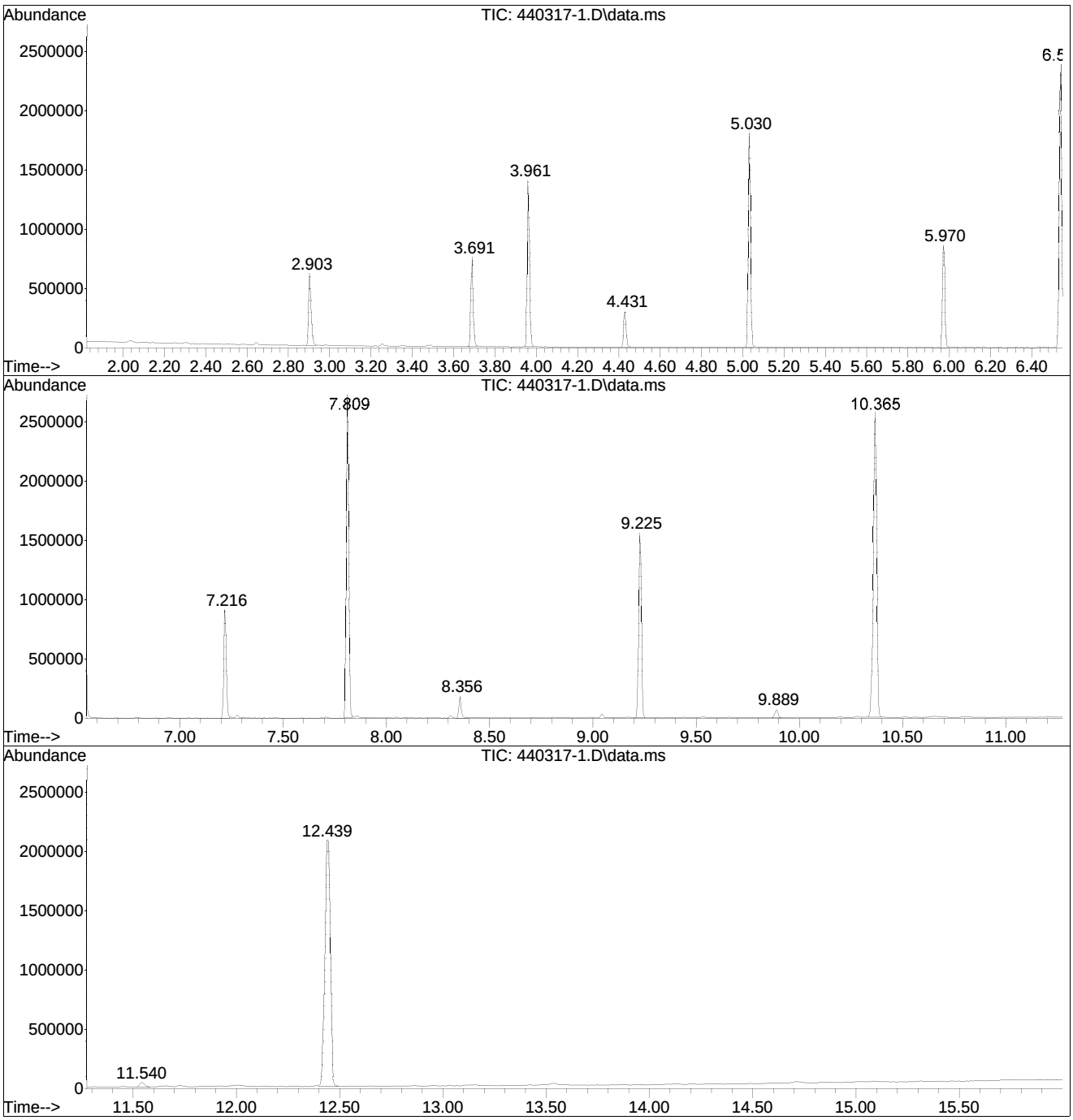
Sum of corrected areas: 17764742

LSC Report - Integrated Chromatogram

Data Path : I:\8270\Buffy\201203\
Data File : 440317-1.D
Acq On : 3 Dec 2020 9:11 am
Operator : Buffy:jg
Sample : WG1440317-1,32,,AM,
Misc : WG1440617,WG1440317,ICAL17377
ALS Vial : 1 Sample Multiplier: 1

Quant Method : I:\8270\Buffy\201203\FS201120buffy.m
Quant Title : Semivolatiles by GC/MS by modified 8270

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: lscint.p



Library Search Compound Report

Data Path : I:\8270\Buffy\201203\
Data File : 440317-1.D
Acq On : 3 Dec 2020 9:11 am
Operator : Buffy:jg
Sample : WG1440317-1,32,,AM,
Misc : WG1440617,WG1440317,ICAL17377
ALS Vial : 1 Sample Multiplier: 1

Quant Method : I:\8270\Buffy\201203\FS201120buffy.m
Quant Title : Semivolatiles by GC/MS by modified 8270

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: lscint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : I:\8270\Buffy\201203\
Data File : 440317-1.D
Acq On : 3 Dec 2020 9:11 am
Operator : Buffy:jg
Sample : WG1440317-1,32,,AM,
Misc : WG1440617,WG1440317,ICAL17377
ALS Vial : 1 Sample Multiplier: 1

Quant Method : I:\8270\Buffy\201203\FS201120buffy.m
Quant Title : Semivolatiles by GC/MS by modified 8270

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: lscint.p

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201203\
Data File : 440317-2.D
Acq On : 3 Dec 2020 9:34 am
Operator : Buffy:jg
Sample : WG1440317-2,32,,AM,
Misc : WG1440617,WG1440317,ICAL17377
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 04 14:58:19 2020
Quant Method : I:\8270\Buffy\201203\FS201120buffy.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 03 12:48:08 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201203\ABN1203a.D
: 2 - I:\8270\Buffy\201203\ADP1203.D
: 3 - I:\8270\Buffy\201203\AP91203.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.961	152	203012	40.000	ug/ml	0.00
Standard Area 1 = 197138			Recovery = 102.98%			
27) IS2_1,4-Dichlorobenzen...	3.961	152	203012	40.000	ug/ml	0.00
Standard Area 3 = 207397			Recovery = 97.89%			
32) IS3_1,4-Dichlorobenzen...	3.961	152	203012	40.000	ug/ml	0.00
Standard Area 2 = 195628			Recovery = 103.77%			
35) IS1_Naphthalene-d8	5.036	136	828545	40.000	ug/ml	0.00
Standard Area 1 = 800181			Recovery = 103.54%			
55) IS2_Naphthalene-d8	5.036	136	828545	40.000	ug/ml	0.00
Standard Area 3 = 813715			Recovery = 101.82%			
63) IS1_Acenaphthene-d10	6.540	164	498692	40.000	ug/ml	0.00
Standard Area 1 = 485357			Recovery = 102.75%			
83) IS2_Acenaphthene-d10	6.540	164	498692	40.000	ug/ml	0.00
Standard Area 3 = 484202			Recovery = 102.99%			
86) IS3_Acenaphthene-d10	6.540	164	498692	40.000	ug/ml	0.00
Standard Area 2 = 456868			Recovery = 109.15%			
88) IS1_Phenanthrene-d10	7.815	188	1025611	40.000	ug/ml	0.00
Standard Area 1 = 1010214			Recovery = 101.52%			
100) IS3_Phenanthrene-d10	7.815	188	1025611	40.000	ug/ml	0.00
Standard Area 2 = 941073			Recovery = 108.98%			
104) IS1_Chrysene-d12	10.371	240	1102121	40.000	ug/ml	0.00
Standard Area 1 = 1092403			Recovery = 100.89%			
113) IS1_Perylene-d12	12.451	264	1211120	40.000	ug/ml	0.00
Standard Area 1 = 1203634			Recovery = 100.62%			
System Monitoring Compounds						
4) 2-Fluorophenol	2.909	112	222461	38.607	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery = 77.21%			
7) Phenol-d6	3.690	99	287465	41.609	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery = 83.22%			
19) Nitrobenzene-d5	4.431	82	119425	18.769	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 75.08%			
46) 2-Fluorobiphenyl	5.976	172	329133	18.463	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 73.85%			
79) 2,4,6-Tribromophenol	7.222	330	119915	36.368	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery = 72.74%			

Data Path : I:\8270\Buffy\201203\
Data File : 440317-2.D
Acq On : 3 Dec 2020 9:34 am
Operator : Buffy:jg
Sample : WG1440317-2,32,,AM,
Misc : WG1440617,WG1440317,ICAL17377
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 04 14:58:19 2020
Quant Method : I:\8270\Buffy\201203\FS201120buffy.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 03 12:48:08 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201203\ABN1203a.D
: 2 - I:\8270\Buffy\201203\ADP1203.D
: 3 - I:\8270\Buffy\201203\AP91203.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 4-Terphenyl-d14	9.225	244	487876	18.654	ug/ml	0.00

Spiked Amount 25.000 Range 30 - 130 Recovery = 74.62%

Target Compounds						Qvalue
6) 2-Chlorophenol	3.790	128	213619	32.195	ug/ml	99
8) Phenol	3.702	94	259716	33.056	ug/ml	98
9) Bis(2-chloroethyl)ether	3.755	93	159235	29.646	ug/ml#	78
10) 1,3-Dichlorobenzene	3.914	146	216482	27.315	ug/ml	95
11) 1,4-Dichlorobenzene	3.978	146	219454	27.653	ug/ml	95
12) 1,2-Dichlorobenzene	4.102	146	214359	27.763	ug/ml	94
13) Benzyl alcohol	4.090	79	169394	34.971	ug/ml	98
14) Bis(2-chloroisopropyl)...	4.213	45	273954	31.150	ug/ml#	83
15) 2-Methylphenol	4.207	108	198898	35.042	ug/ml	99
16) Hexachloroethane	4.384	117	78707	26.051	ug/ml#	47
17) n-Nitrosodi-n-propylamine	4.319	70	135334	31.889	ug/ml#	94
18) 3-Methylphenol/4-Methy...	4.337	108	211352	35.498	ug/ml	95
20) Nitrobenzene	4.442	77	189206	30.976	ug/ml	95
21) Isophorone	4.654	82	360498	31.271	ug/ml	100
22) 2-Nitrophenol	4.719	139	120827	36.406	ug/ml	93
23) 2,4-Dimethylphenol	4.777	107	227245	35.795	ug/ml	96
24) Bis(2-chloroethoxy)met...	4.854	93	233151	31.140	ug/ml	97
25) 2,4-Dichlorophenol	4.930	162	207260	35.205	ug/ml#	93
26) 1,2,4-Trichlorobenzene	4.995	180	197370	29.077	ug/ml	98
29) Acetophenone	4.307	105	297048	34.711	ug/ml#	86
33) 1,4-Dioxane	1.599	88	53343	24.829	ug/ml#	81
36) Naphthalene	5.048	128	635884	29.113	ug/ml	100
37) Benzoic Acid	4.866	105	148824	28.498	ug/ml	94
38) 4-Chloroaniline	5.112	65	47160M3	19.489	ug/ml	
39) Hexachlorobutadiene	5.177	225	113751	26.018	ug/ml	99
40) p-Chloro-m-cresol	5.553	107	206984	34.631	ug/ml	94
41) 2-Methylnaphthalene	5.647	142	466717	30.687	ug/ml	93
43) Hexachlorocyclopentadiene	5.794	237	157755	28.959	ug/ml	98
44) 2,4,6-Trichlorophenol	5.906	196	161005	33.695	ug/ml	100
45) 2,4,5-Trichlorophenol	5.935	196	175610	33.067	ug/ml	96
47) 2-Chloronaphthalene	6.058	162	449136	30.551	ug/ml	99
48) 2-Nitroaniline	6.164	138	170910	35.639	ug/ml	88
51) Dimethyl phthalate	6.334	163	570127	31.518	ug/ml#	97

Data Path : I:\8270\Buffy\201203\
Data File : 440317-2.D
Acq On : 3 Dec 2020 9:34 am
Operator : Buffy:jg
Sample : WG1440317-2,32,,AM,
Misc : WG1440617,WG1440317,ICAL17377
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 04 14:58:19 2020
Quant Method : I:\8270\Buffy\201203\FS201120buffy.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 03 12:48:08 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201203\ABN1203a.D
: 2 - I:\8270\Buffy\201203\ADP1203.D
: 3 - I:\8270\Buffy\201203\AP91203.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Acenaphthylene	6.411	152	781786	30.690	ug/ml	99
53) 2,6-Dinitrotoluene	6.376	165	122168	33.580	ug/ml#	80
61) 1,2,4,5-Tetrachloroben...	5.794	216	228077	30.792	ug/ml	98
62) Biphenyl	6.052	154	593079	33.426	ug/ml	99
64) 3-Nitroaniline	6.517	138	120508	27.292	ug/ml	85
65) Acenaphthene	6.564	154	449871	29.189	ug/ml	94
66) 2,4-Dinitrophenol	6.611	184	76433	33.551	ug/ml#	83
67) Dibenzofuran	6.716	168	722204	32.004	ug/ml	88
68) 2,4-Dinitrotoluene	6.722	165	174959	34.485	ug/ml#	76
69) 4-Nitrophenol	6.687	65	102203	34.930	ug/ml	93
72) Diethyl phthalate	6.951	149	607509	30.786	ug/ml	99
73) Fluorene	7.010	166	581361	31.358	ug/ml	95
74) 4-Chlorophenyl phenyl ...	7.022	204	271112	30.230	ug/ml#	88
75) 4-Nitroaniline	7.039	138	140698	31.434	ug/ml	97
76) 4,6-Dinitro-o-cresol	7.075	198	97102	34.581	ug/ml#	86
77) NDPA/DPA	7.128	169	507982	31.850	ug/ml	99
80) 4-Bromophenyl phenyl e...	7.445	248	169660	29.590	ug/ml#	88
81) Hexachlorobenzene	7.492	284	204185	29.430	ug/ml#	83
82) Pentachlorophenol	7.668	266	126963	33.259	ug/ml	99
89) Phenanthrene	7.833	178	892255	32.010	ug/ml	98
90) Anthracene	7.874	178	919204	31.573	ug/ml	98
91) Carbazole	8.027	167	870657	32.455	ug/ml	99
92) Di-n-butylphthalate	8.367	149	1060426	33.057	ug/ml#	97
93) Fluoranthene	8.855	202	1078651	32.036	ug/ml#	88
95) Pyrene	9.055	202	1111697	31.339	ug/ml	99
97) Butyl benzyl phthalate	9.760	149	492729	33.980	ug/ml#	79
105) Benzo(a)anthracene	10.353	228	1079707	30.541	ug/ml	99
106) 3,3'-Dichlorobenzidine	10.359	252	355762	26.954	ug/ml#	95
107) Chrysene	10.400	228	1064634	32.267	ug/ml	98
108) Bis(2-ethylhexyl)phtha...	10.512	149	755410	35.206	ug/ml#	91
109) Di-n-octylphthalate	11.470	149	1334524	36.316	ug/ml	96
110) Benzo(b)fluoranthene	11.869	252	1187554	33.172	ug/ml#	93
111) Benzo(k)fluoranthene	11.910	252	1127094	33.577	ug/ml#	93
112) Benzo(a)pyrene	12.357	252	1147336	37.777	ug/ml#	93
114) Indeno(1,2,3-cd)pyrene	14.102	276	1131360	34.008	ug/mL#	90
115) Dibenzo(a,h)anthracene	14.161	278	1127611	33.139	ug/ml#	91
116) Benzo(ghi)perylene	14.496	276	1177943	33.104	ug/ml#	75

Data Path : I:\8270\Buffy\201203\
Data File : 440317-2.D
Acq On : 3 Dec 2020 9:34 am
Operator : Buffy:jg
Sample : WG1440317-2,32,,AM,
Misc : WG1440617,WG1440317,ICAL17377
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 04 14:58:19 2020
Quant Method : I:\8270\Buffy\201203\FS201120buffy.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 03 12:48:08 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201203\ABN1203a.D
: 2 - I:\8270\Buffy\201203\ADP1203.D
: 3 - I:\8270\Buffy\201203\AP91203.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

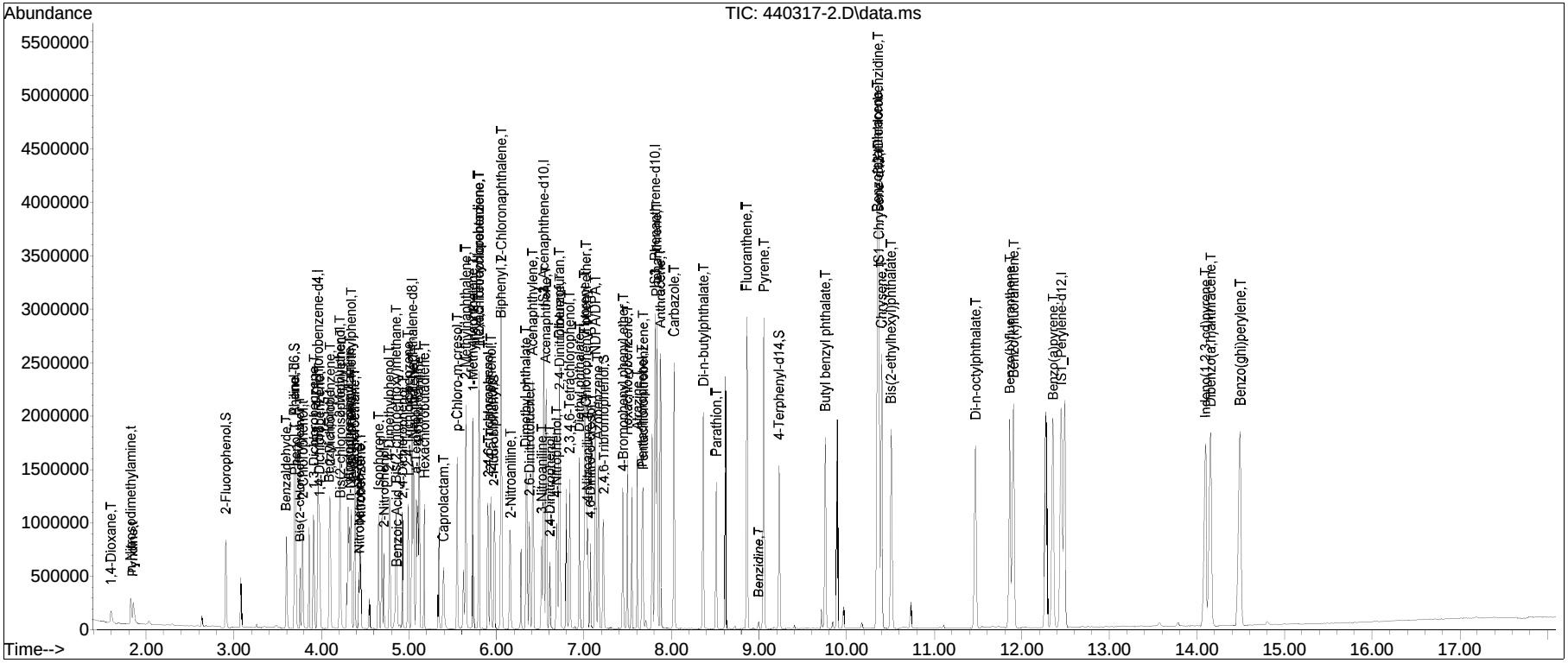
(#) = qualifier out of range (m) = manual integration (+) = signals summed

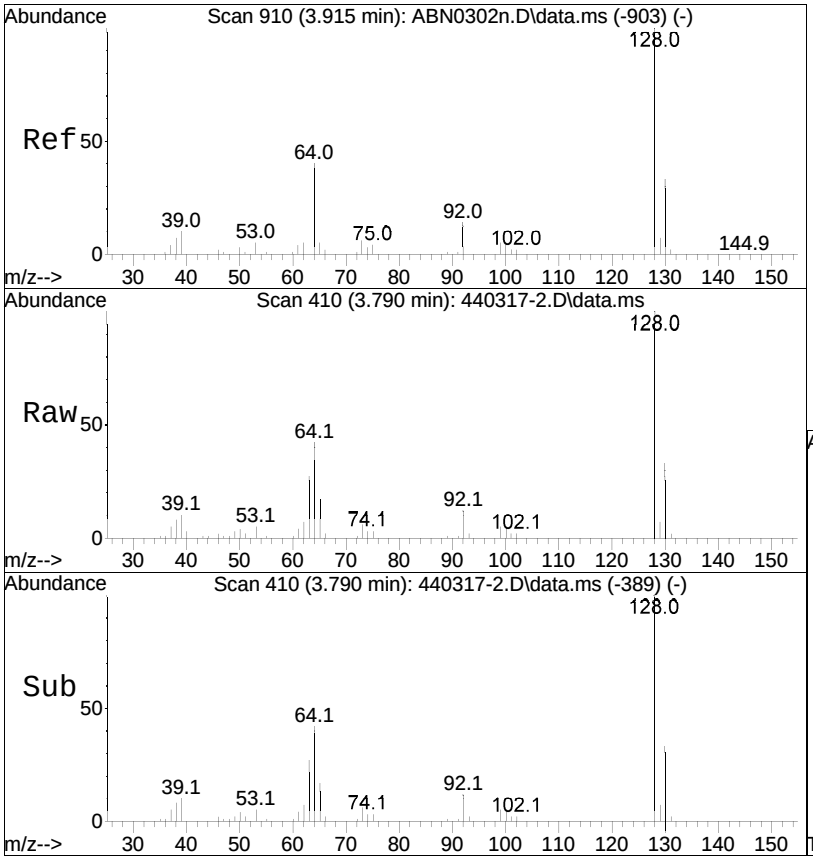
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201203\
Data File : 440317-2.D
Acq On : 3 Dec 2020 9:34 am
Operator : Buffy:jg
Sample : WG1440317-2,32,,AM,
Misc : WG1440617,WG1440317,ICAL17377
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 04 14:58:19 2020
Quant Method : I:\8270\Buffy\201203\FS201120buffy.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 03 12:48:08 2020
Response via : Initial Calibration

Sub List : 8270TCL_REV2 - TCL/CT/MA\AP91203.D••

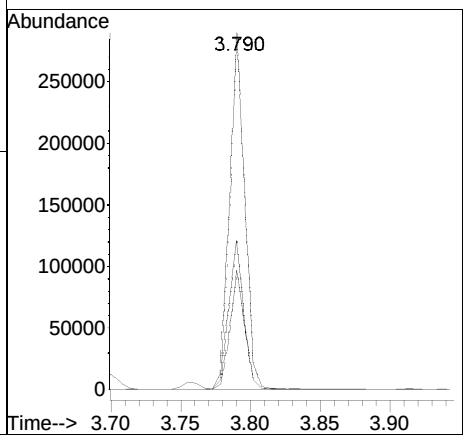


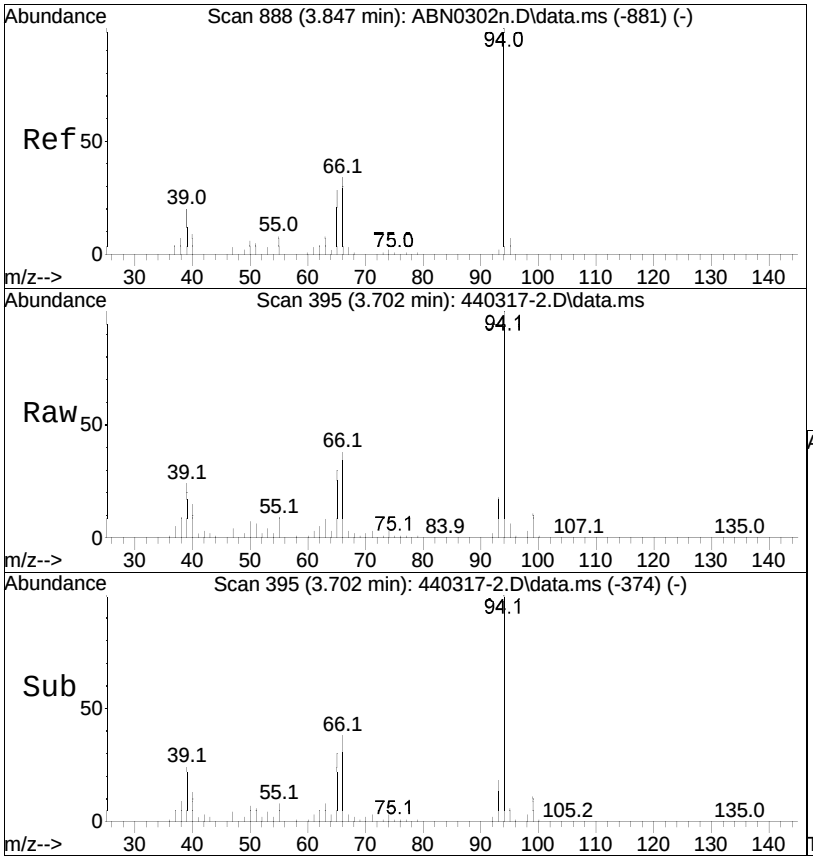


#6
2-Chlorophenol
Concen: 32.19 ug/ml
RT: 3.790 min Scan# 410
Delta R.T. 0.000 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:128 Resp: 213619

Ion	Ratio	Lower	Upper
128	100		
64	41.8	32.7	49.1
130	32.8	26.4	39.6

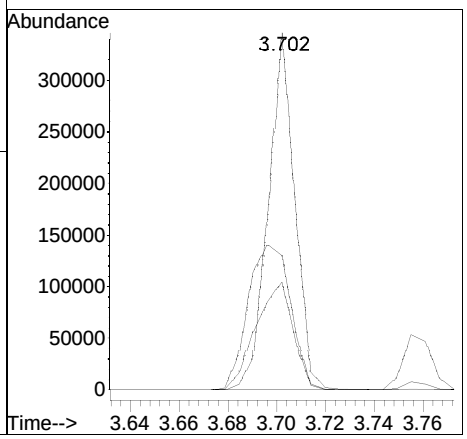


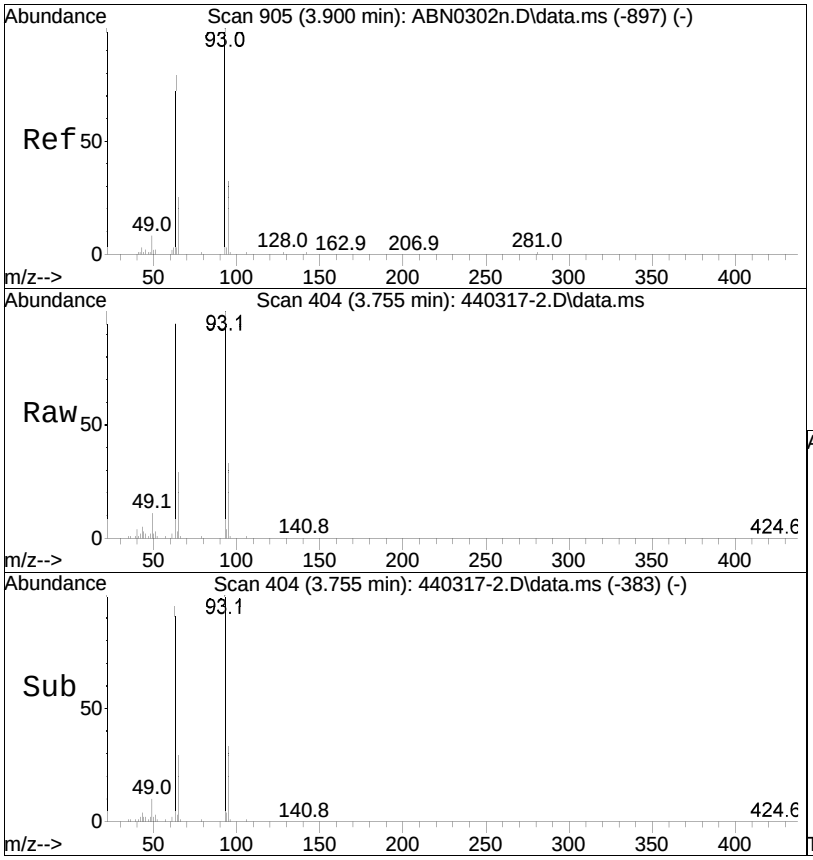


#8
Phenol
Concen: 33.06 ug/ml
RT: 3.702 min Scan# 395
Delta R.T. 0.000 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion: 94 Resp: 259716

Ion	Ratio	Lower	Upper
94	100		
65	42.9	34.2	51.4
66	65.6	54.4	81.6

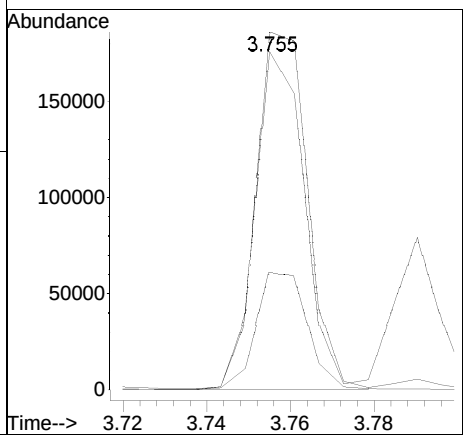


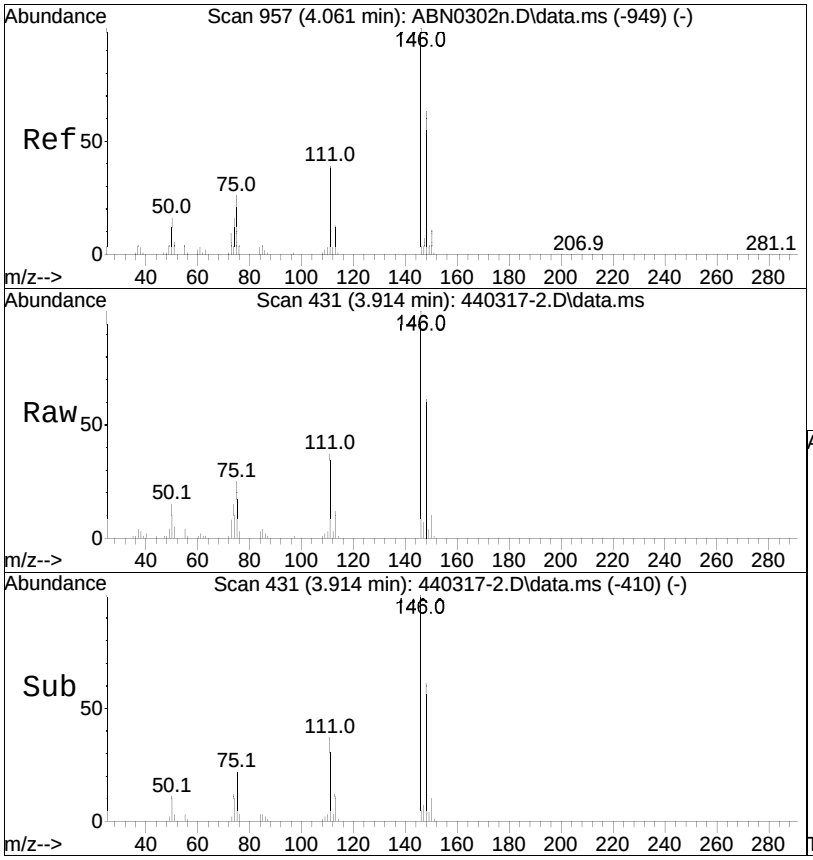


#9
Bis(2-chloroethyl)ether
Concen: 29.65 ug/ml
RT: 3.755 min Scan# 404
Delta R.T. 0.000 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion: 93 Resp: 159235

Ion	Ratio	Lower	Upper
93	100		
63	90.0	51.7	77.5#
95	33.3	26.1	39.1

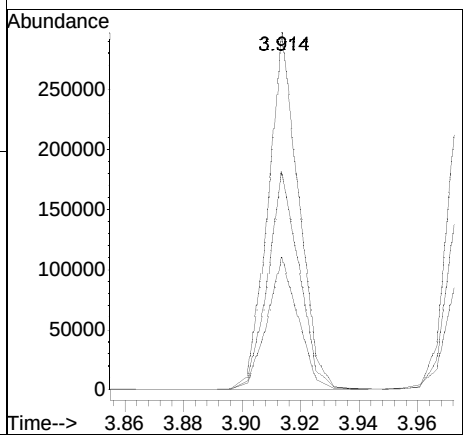


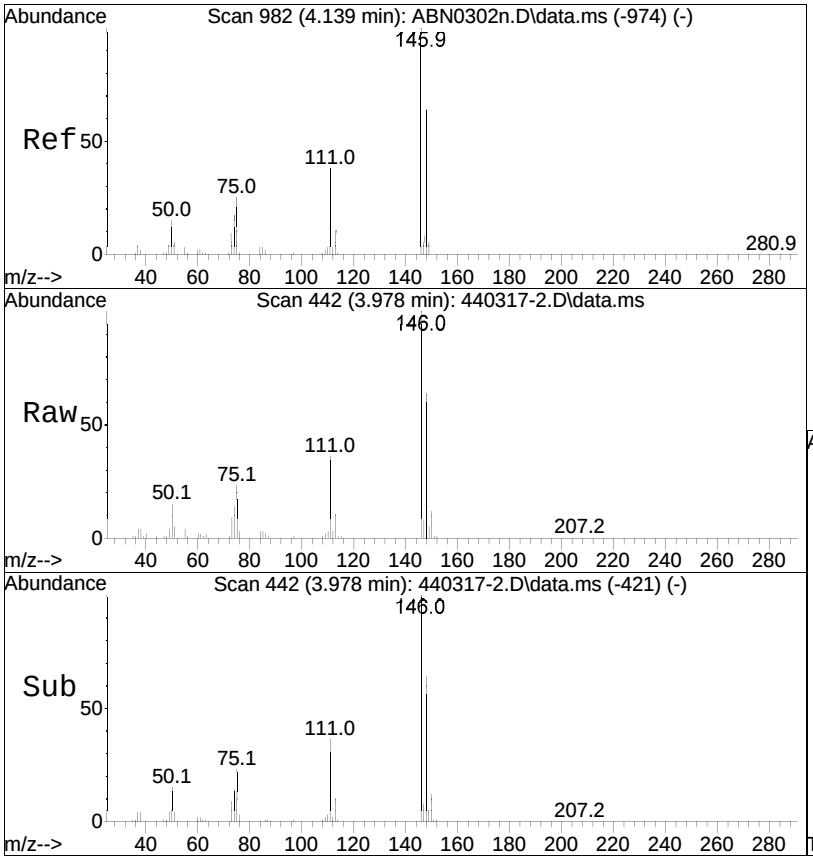


#10
1,3-Dichlorobenzene
Concen: 27.31 ug/ml
RT: 3.914 min Scan# 431
Delta R.T. 0.000 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:146 Resp: 216482

Ion	Ratio	Lower	Upper
146	100		
111	37.6	36.0	54.0
148	62.2	49.8	74.6

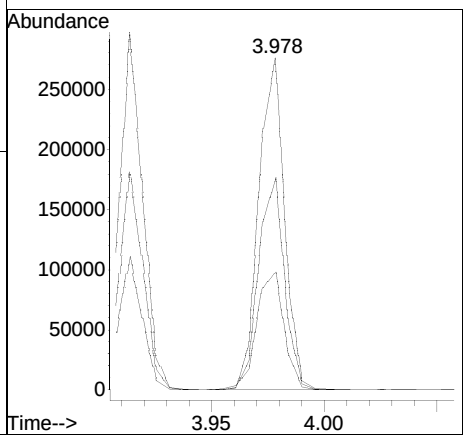


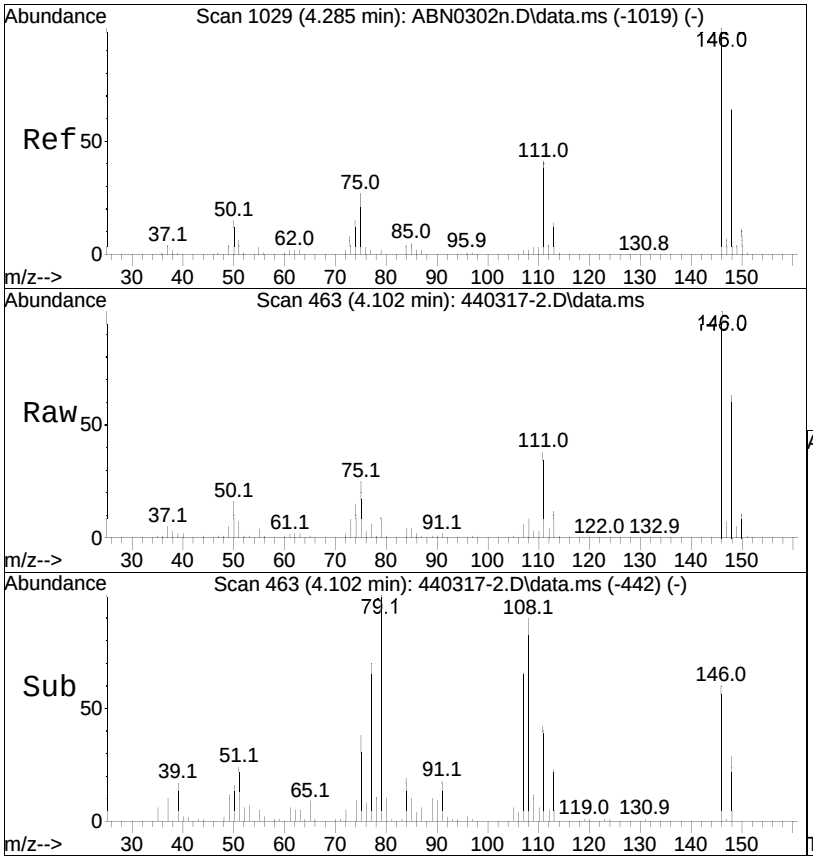


#11
1,4-Dichlorobenzene
Concen: 27.65 ug/ml
RT: 3.978 min Scan# 442
Delta R.T. 0.000 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:146 Resp: 219454

Ion	Ratio	Lower	Upper
146	100		
148	64.5	50.7	76.1
111	38.0	35.8	53.6

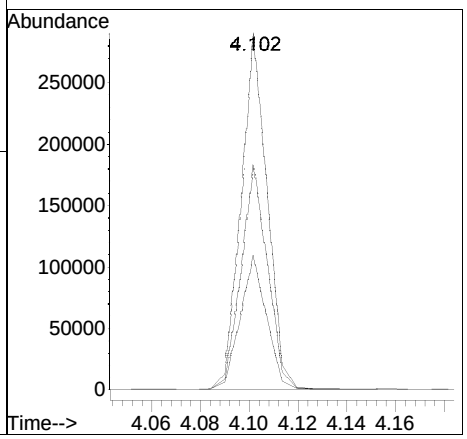


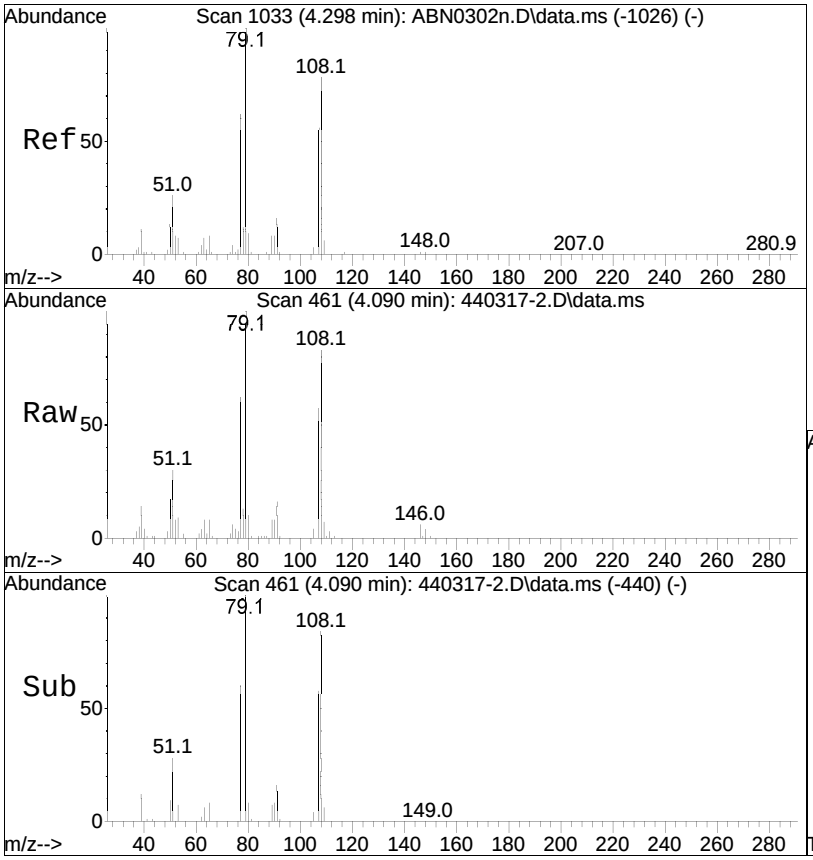


#12
1,2-Dichlorobenzene
Concen: 27.76 ug/ml
RT: 4.102 min Scan# 463
Delta R.T. 0.000 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:146 Resp: 214359

Ion	Ratio	Lower	Upper
146	100		
111	38.3	37.6	56.4
148	64.2	51.2	76.8

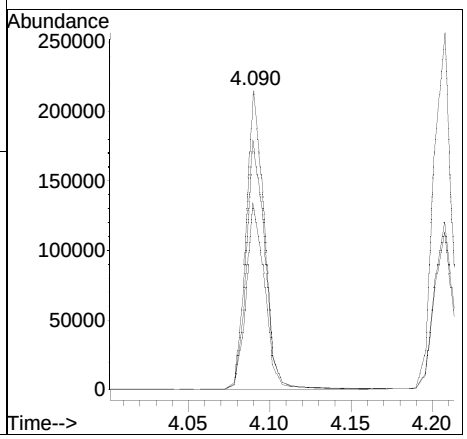


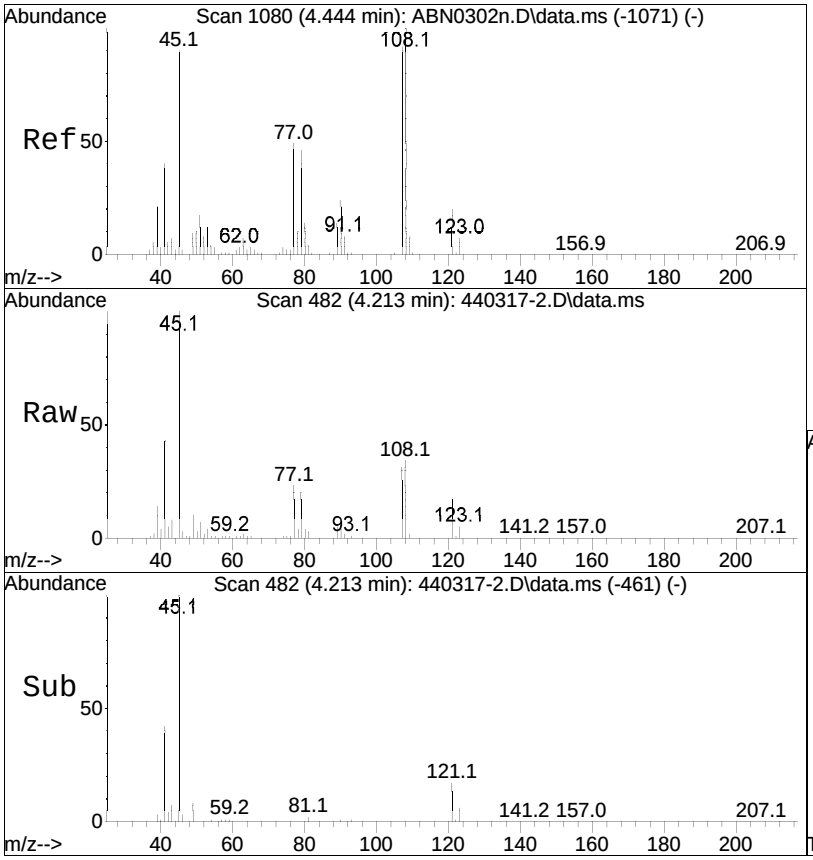


#13
Benzyl alcohol
Concen: 34.97 ug/ml
RT: 4.090 min Scan# 461
Delta R.T. 0.000 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion: 79 Resp: 169394

Ion	Ratio	Lower	Upper
79	100		
77	63.3	53.8	80.8
108	84.4	67.3	100.9

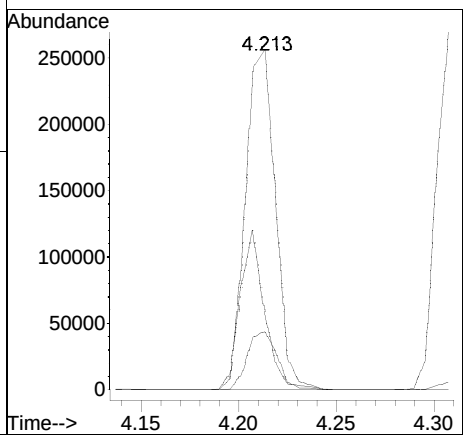


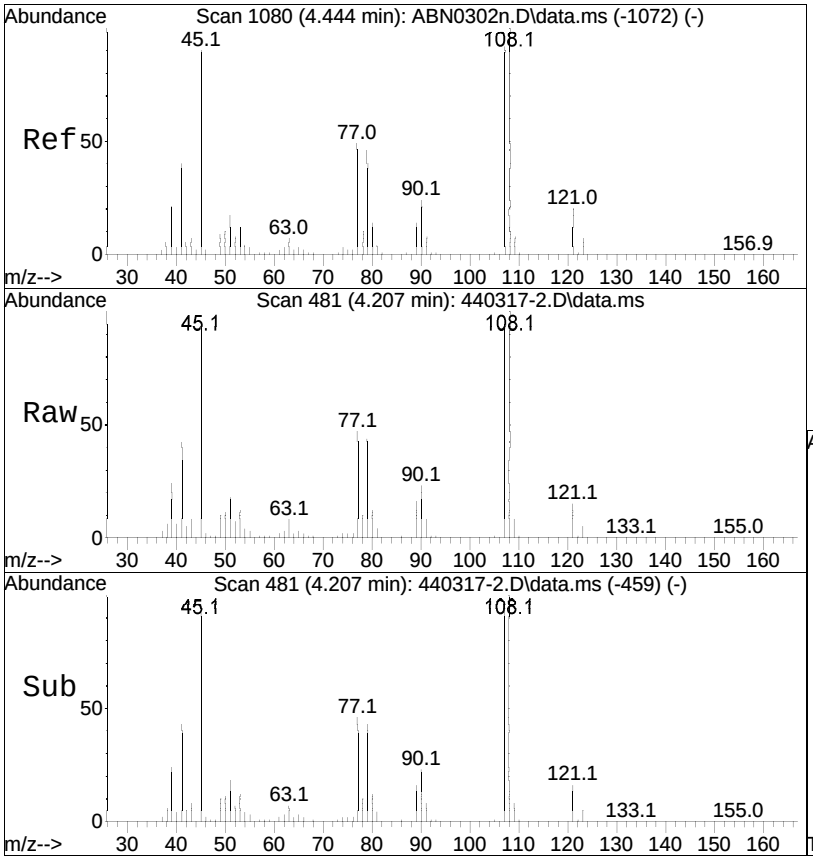


#14
Bis(2-chloroisopropyl)ether
Concen: 31.15 ug/ml
RT: 4.213 min Scan# 482
Delta R.T. 0.000 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion: 45 Resp: 273954

Ion	Ratio	Lower	Upper
45	100		
121	17.1	21.0	31.6#
77	38.7	40.4	60.6#

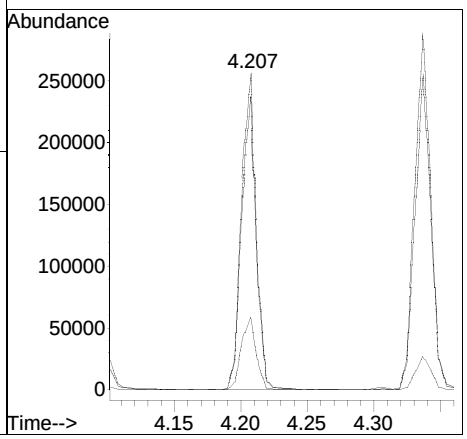


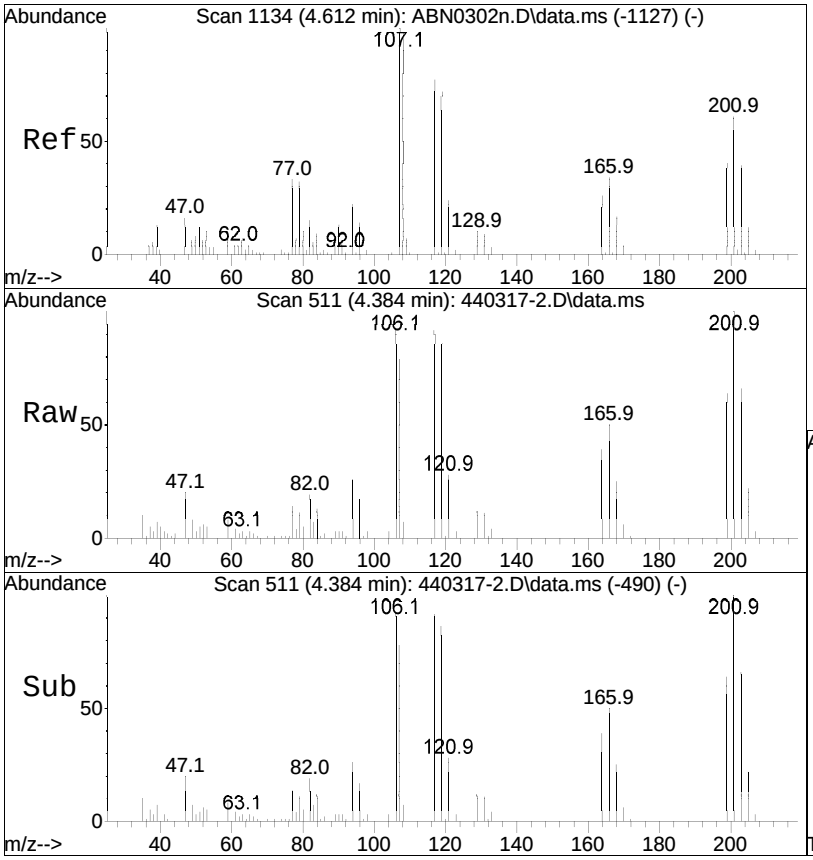


#15
2-Methylphenol
Concen: 35.04 ug/ml
RT: 4.207 min Scan# 481
Delta R.T. 0.006 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:108 Resp: 198898

Ion	Ratio	Lower	Upper
108	100		
107	90.4	71.6	107.4
90	22.9	18.8	28.2

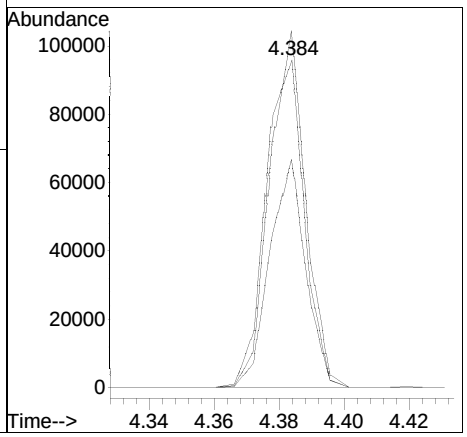


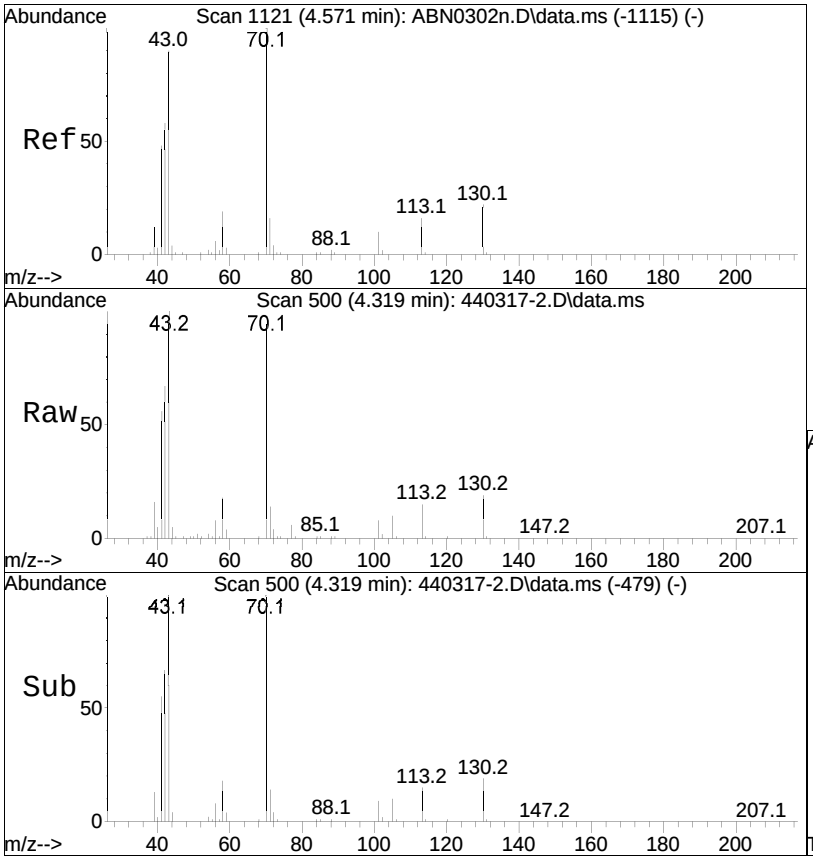


#16
Hexachloroethane
Concen: 26.05 ug/ml
RT: 4.384 min Scan# 511
Delta R.T. 0.000 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:117 Resp: 78707

Ion	Ratio	Lower	Upper
117	100		
201	101.6	47.2	70.8#
199	65.0	29.8	44.6#

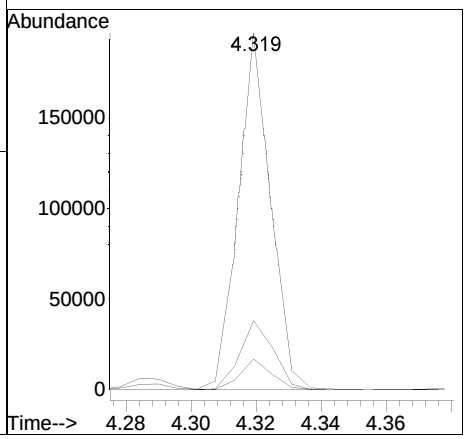


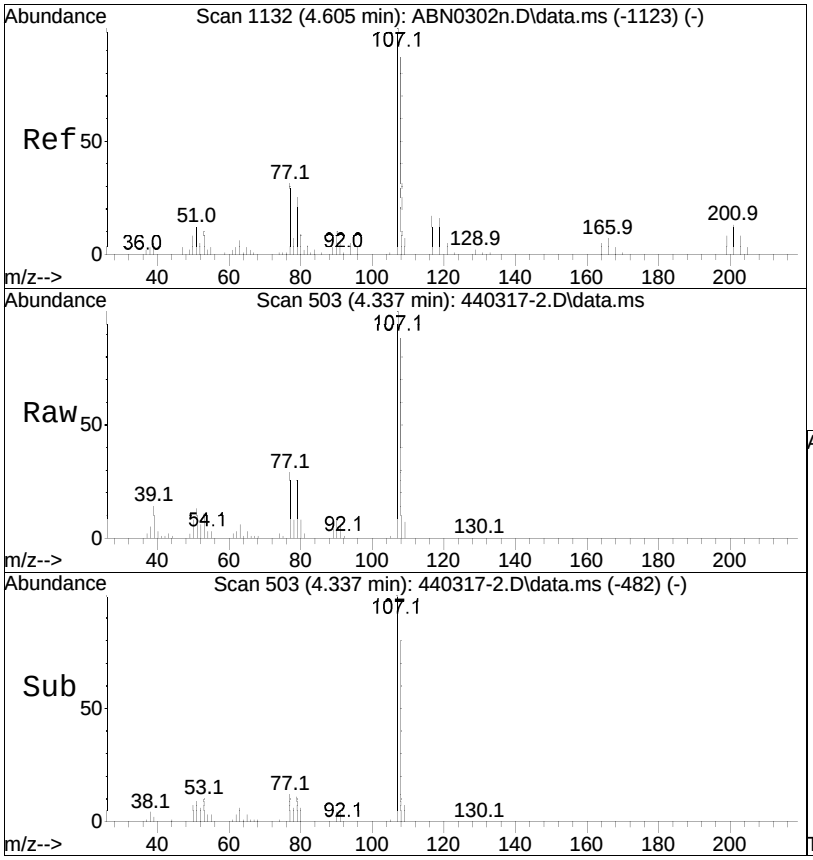


#17
n-Nitrosodi-n-propylamine
Concen: 31.89 ug/ml
RT: 4.319 min Scan# 500
Delta R.T. 0.000 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion: 70 Resp: 135334

Ion	Ratio	Lower	Upper
70	100		
130	20.1	18.7	28.1
101	8.4	8.4	12.6#

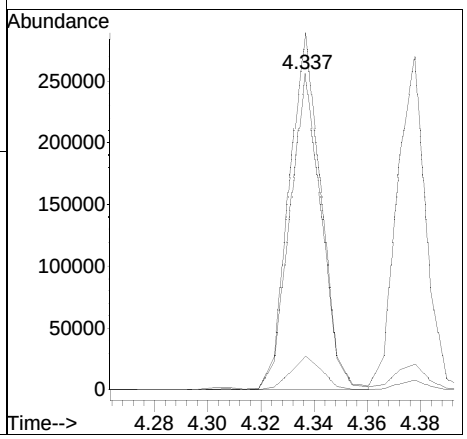


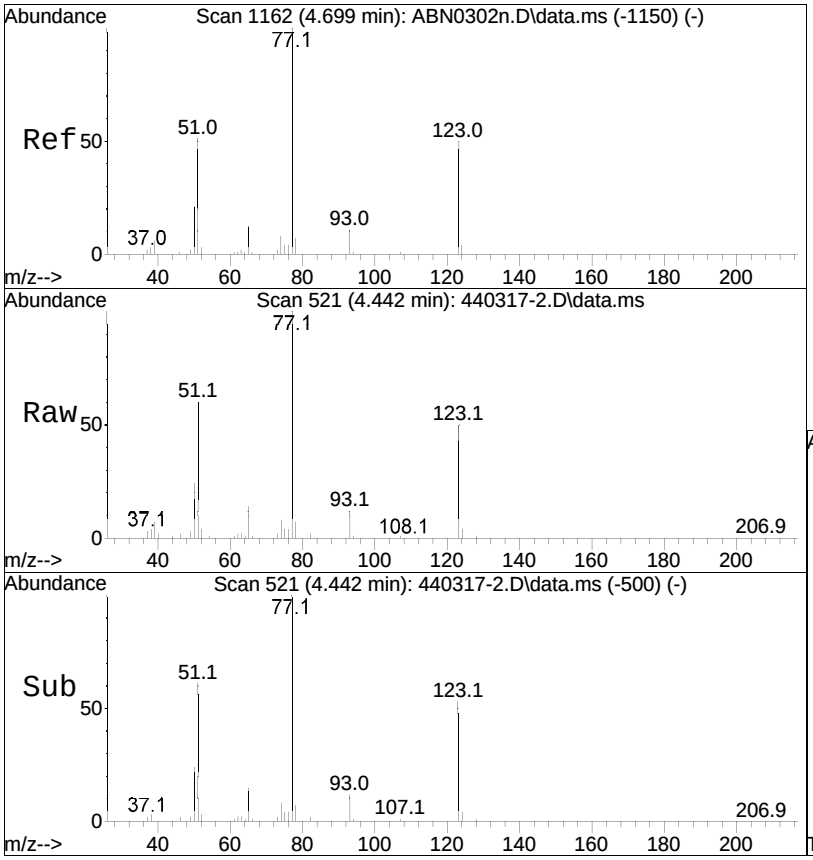


#18
3-Methylphenol/4-Methylphenol
Concen: 35.50 ug/ml
RT: 4.337 min Scan# 503
Delta R.T. 0.000 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:108 Resp: 211352

Ion	Ratio	Lower	Upper
108	100		
107	114.6	87.0	130.6
90	10.6	8.4	12.6

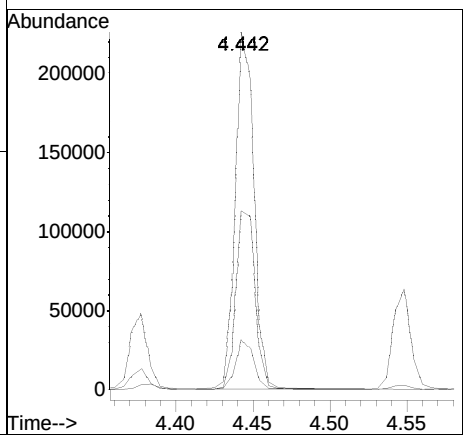


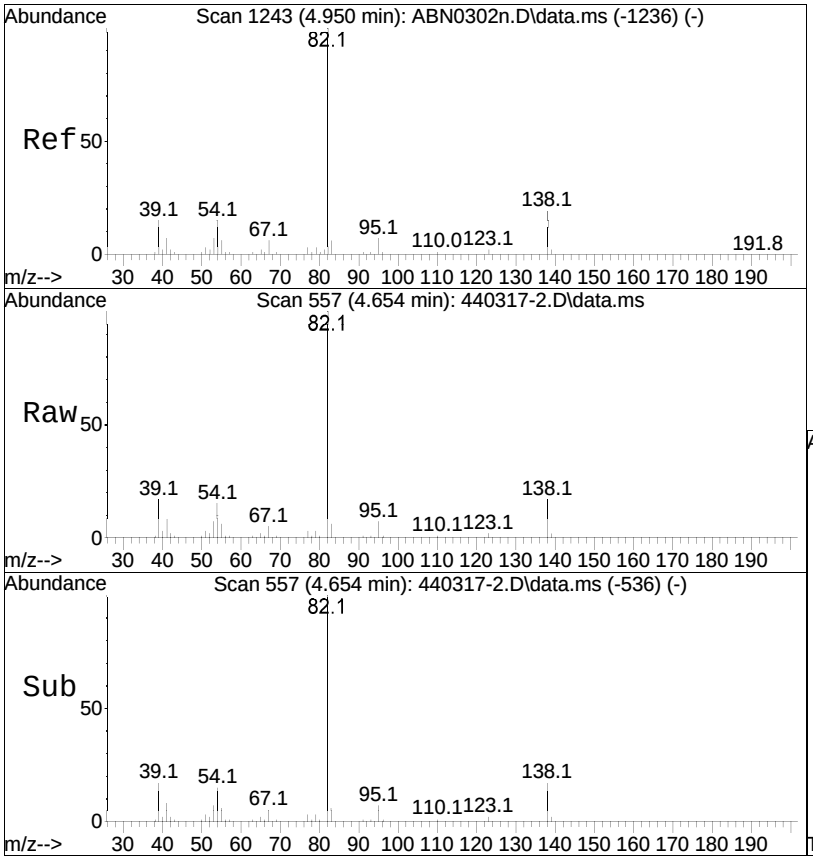


#20
Nitrobenzene
Concen: 30.98 ug/ml
RT: 4.442 min Scan# 521
Delta R.T. 0.000 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion: 77 Resp: 189206

Ion	Ratio	Lower	Upper
77	100		
123	52.1	38.3	57.5
65	13.8	10.3	15.5

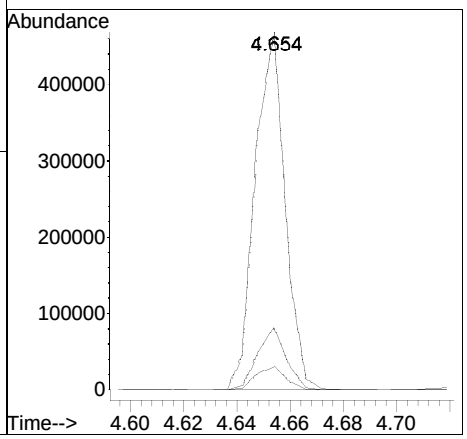


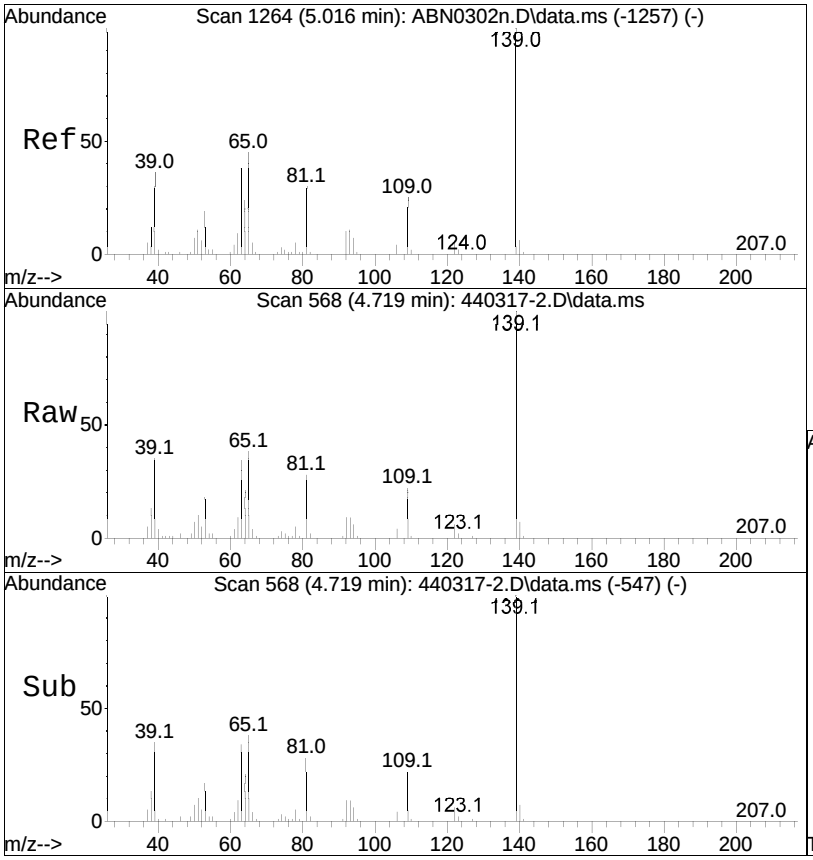


#21
Isophorone
Concen: 31.27 ug/ml
RT: 4.654 min Scan# 557
Delta R.T. 0.000 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion: 82 Resp: 360498

Ion	Ratio	Lower	Upper
82	100		
138	16.7	13.3	19.9
95	6.6	5.1	7.7

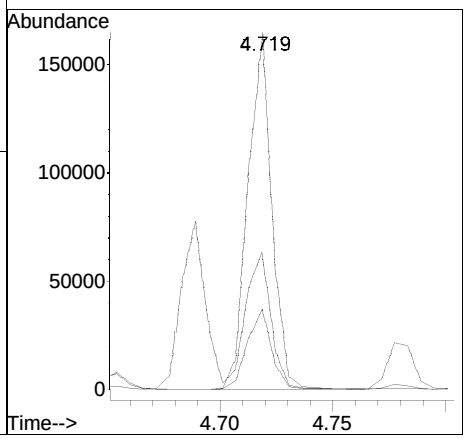


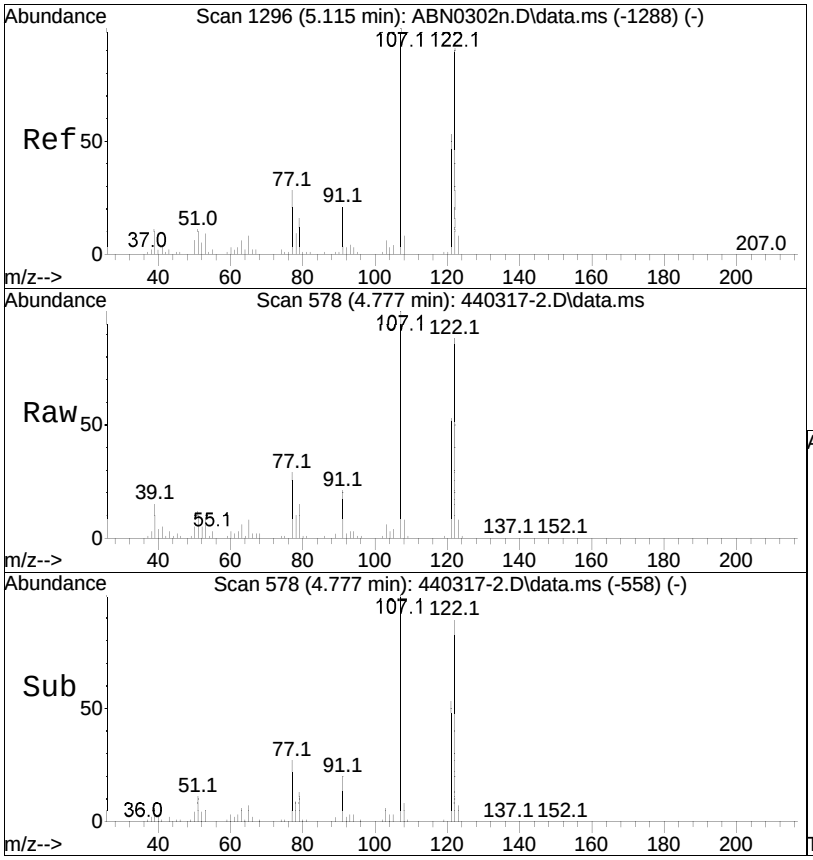


#22
2-Nitrophenol
Concen: 36.41 ug/ml
RT: 4.719 min Scan# 568
Delta R.T. 0.000 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:139 Resp: 120827

Ion	Ratio	Lower	Upper
139	100		
109	23.2	20.1	30.1
65	41.4	37.8	56.8

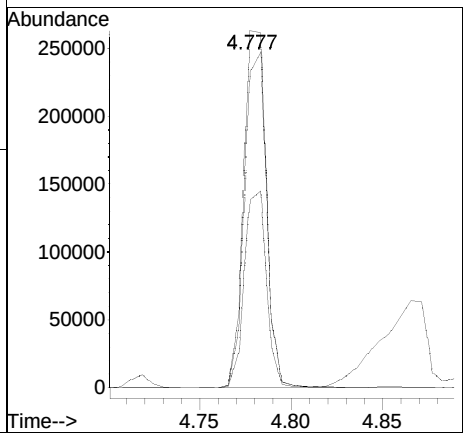


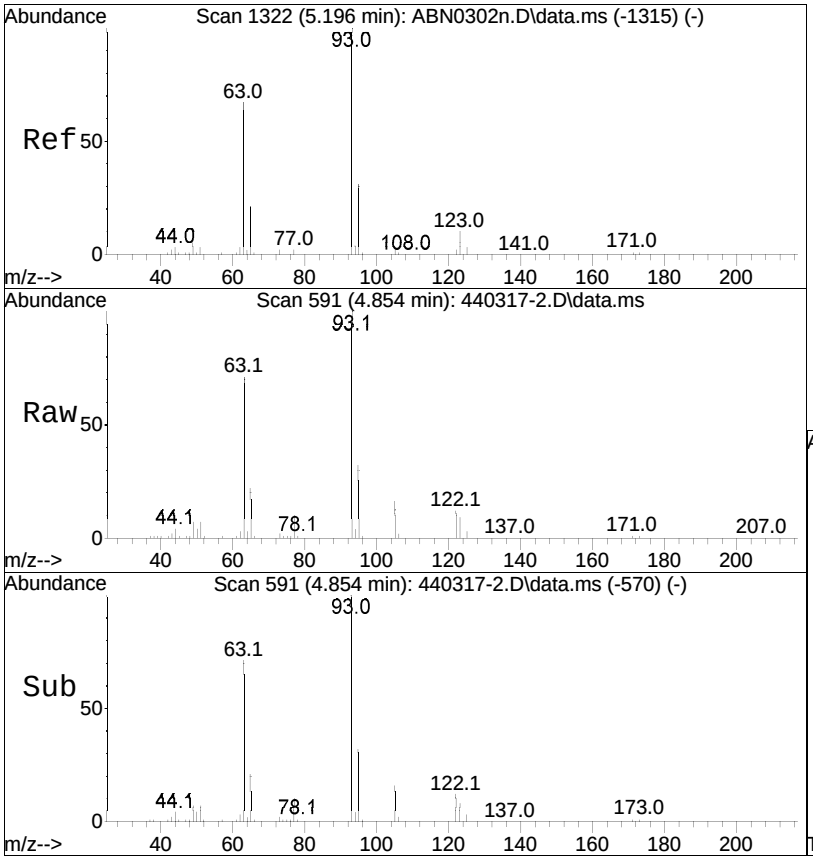


#23
2,4-Dimethylphenol
Concen: 35.79 ug/ml
RT: 4.777 min Scan# 578
Delta R.T. -0.006 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:107 Resp: 227245

Ion	Ratio	Lower	Upper
107	100		
121	53.9	40.2	60.4
122	90.8	70.2	105.4

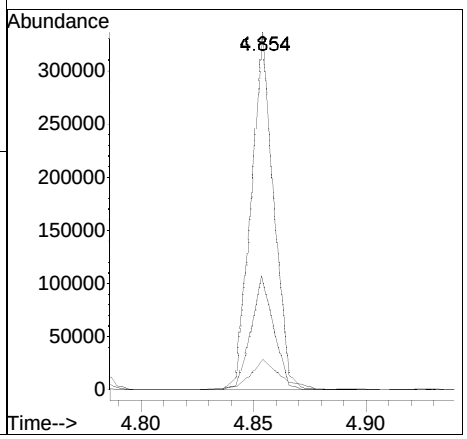


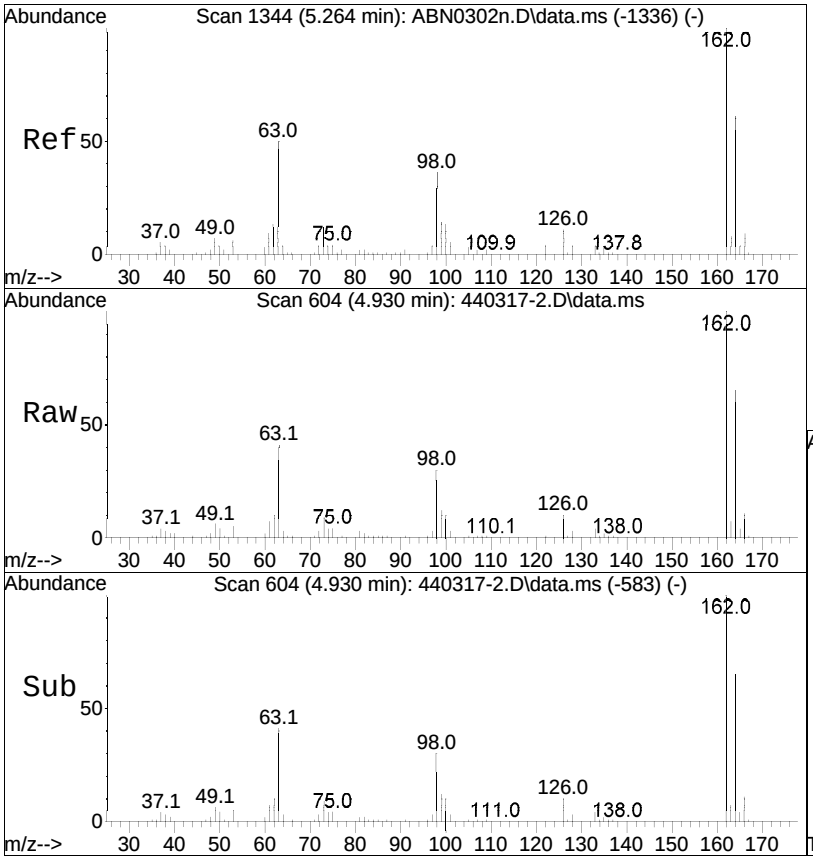


#24
Bis(2-chloroethoxy)methane
Concen: 31.14 ug/ml
RT: 4.854 min Scan# 591
Delta R.T. 0.000 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion: 93 Resp: 233151

Ion	Ratio	Lower	Upper
93	100		
95	32.2	26.3	39.5
123	11.7	11.4	17.0

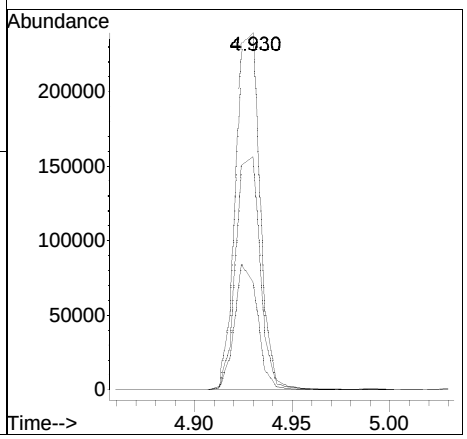


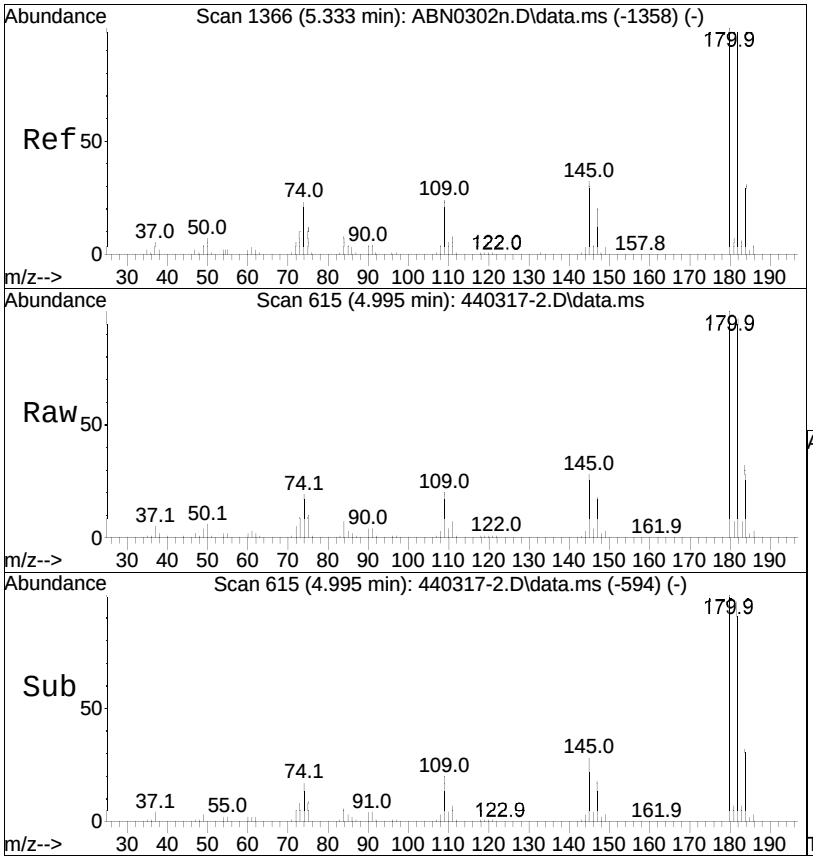


#25
2,4-Dichlorophenol
Concen: 35.21 ug/ml
RT: 4.930 min Scan# 604
Delta R.T. 0.000 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:162 Resp: 207260

Ion	Ratio	Lower	Upper
162	100		
164	64.9	51.2	76.8
98	33.4	34.6	52.0#

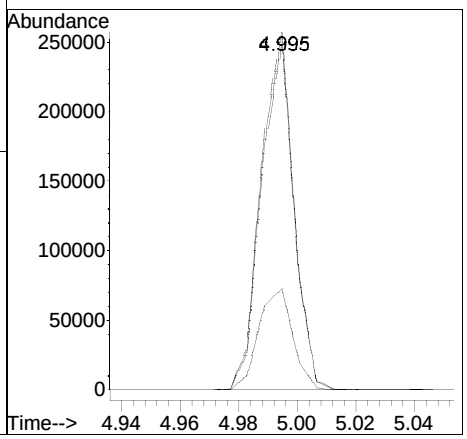


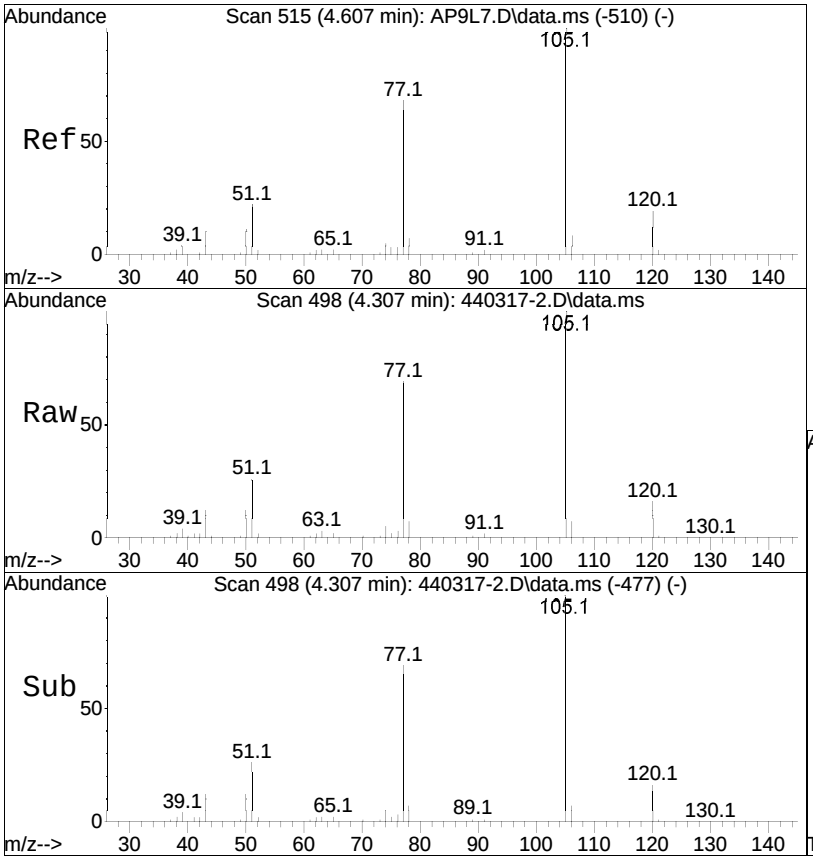


#26
1,2,4-Trichlorobenzene
Concen: 29.08 ug/ml
RT: 4.995 min Scan# 615
Delta R.T. 0.000 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:180 Resp: 197370

Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.6	115.0
145	29.8	26.3	39.5

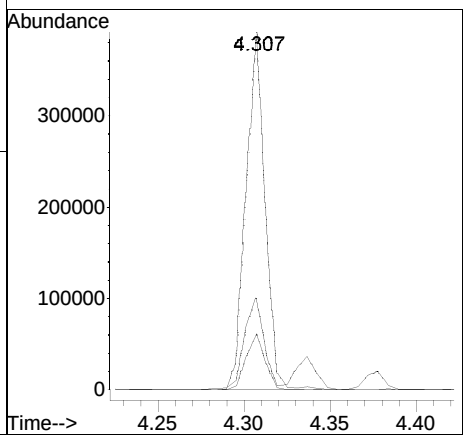


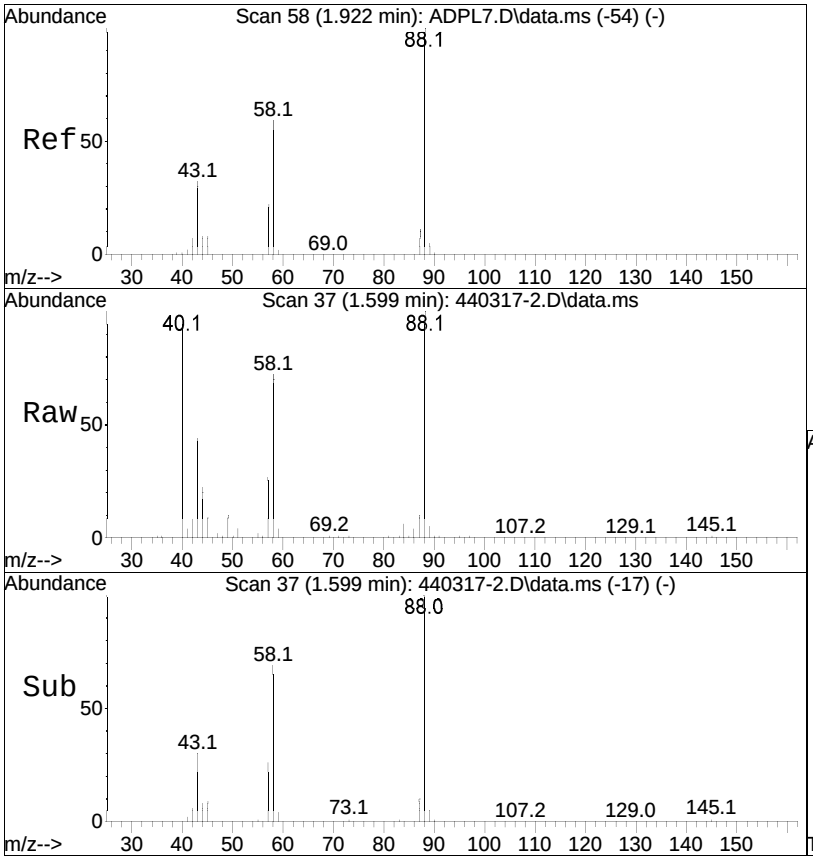


#29
Acetophenone
Concen: 34.71 ug/ml
RT: 4.307 min Scan# 498
Delta R.T. 0.000 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:105 Resp: 297048

Ion	Ratio	Lower	Upper
105	100		
120	15.8	19.9	29.9#
51	26.9	17.8	26.6#

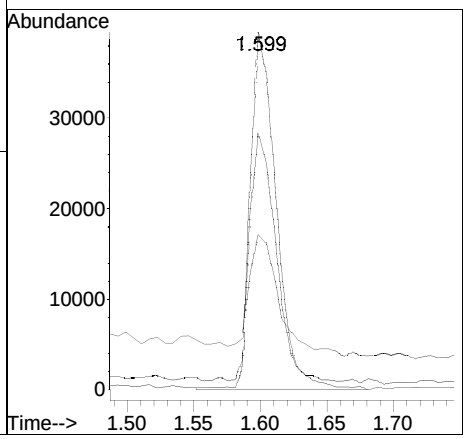


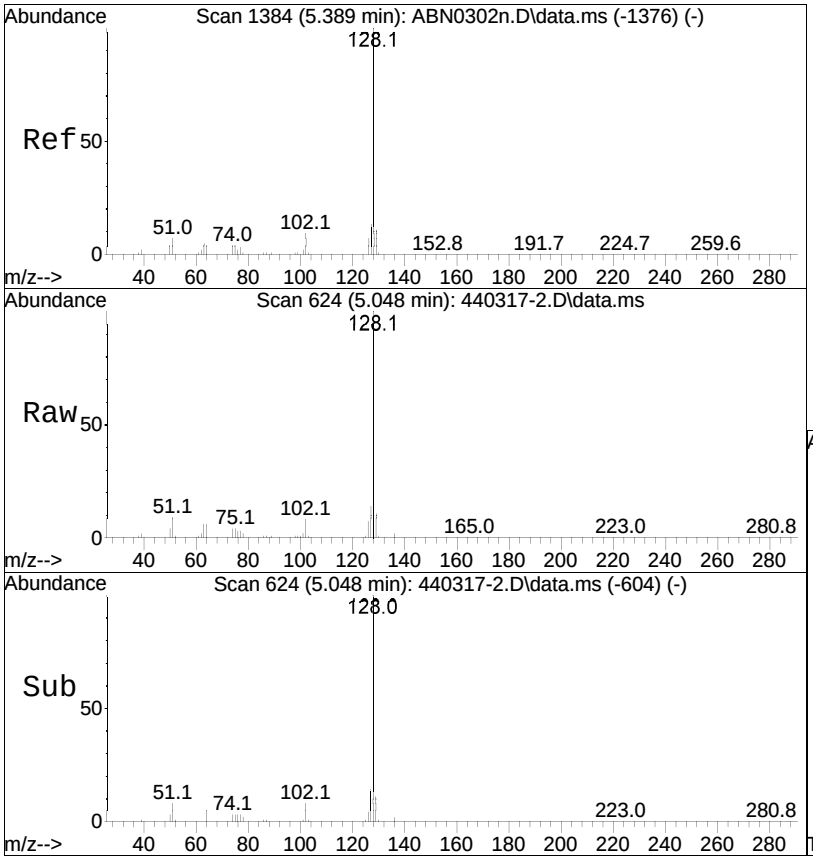


#33
1,4-Dioxane
Concen: 24.83 ug/ml
RT: 1.599 min Scan# 37
Delta R.T. -0.006 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion: 88 Resp: 53343

Ion	Ratio	Lower	Upper
88	100		
58	68.8	44.8	67.2#
43	40.3	22.4	33.6#

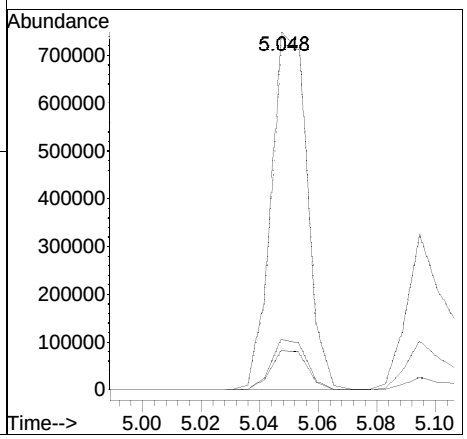


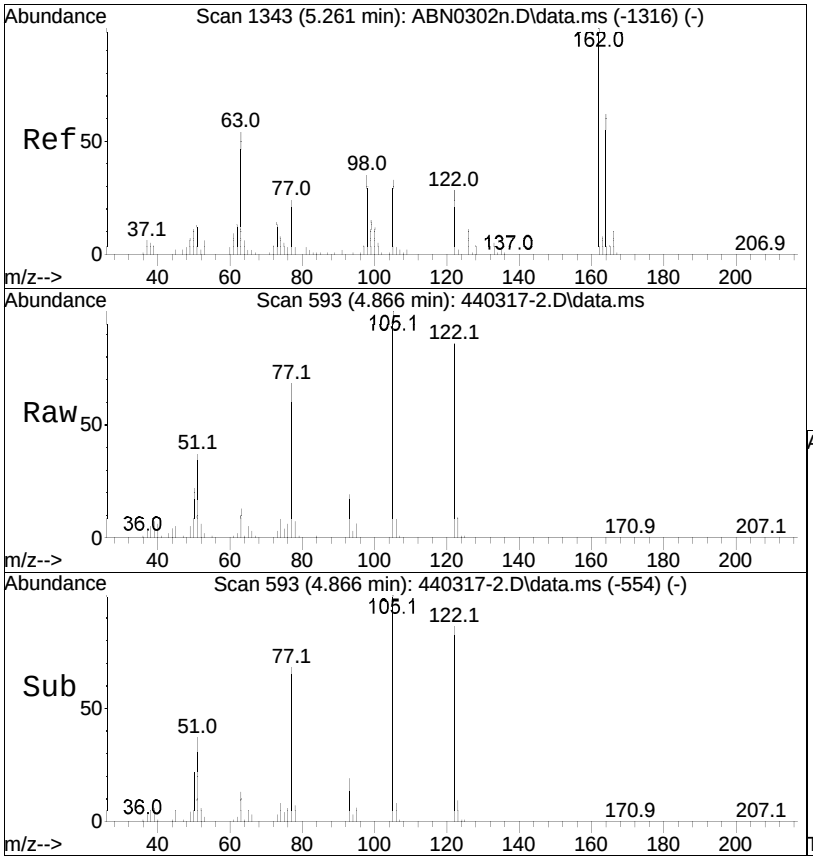


#36
Naphthalene
Concen: 29.11 ug/ml
RT: 5.048 min Scan# 624
Delta R.T. -0.006 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:128 Resp: 635884

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.6
127	14.0	11.3	16.9

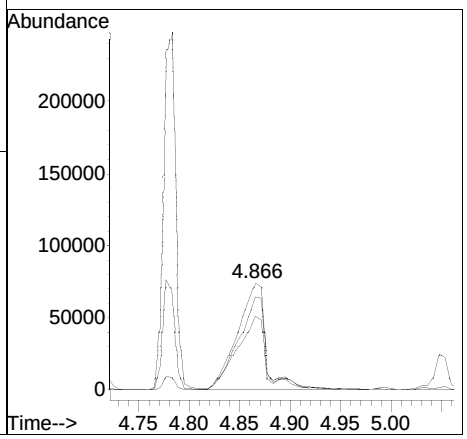


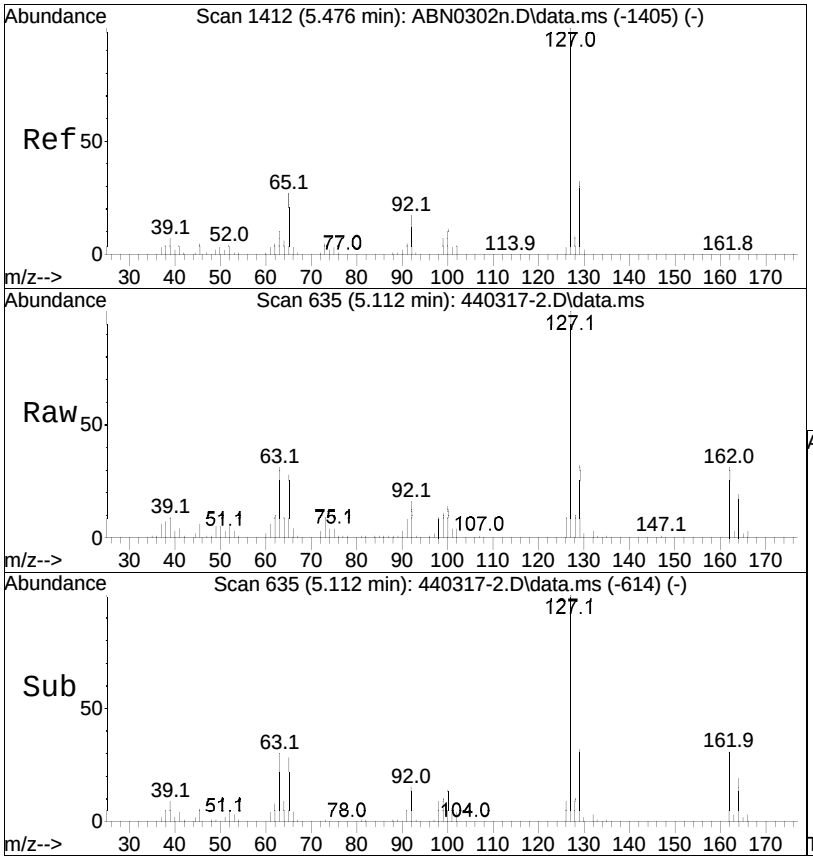


#37
Benzoic Acid
Concen: 28.50 ug/ml
RT: 4.866 min Scan# 593
Delta R.T. -0.023 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:105 Resp: 148824

Ion	Ratio	Lower	Upper
105	100		
122	75.7	61.5	92.3
77	62.1	57.4	86.2

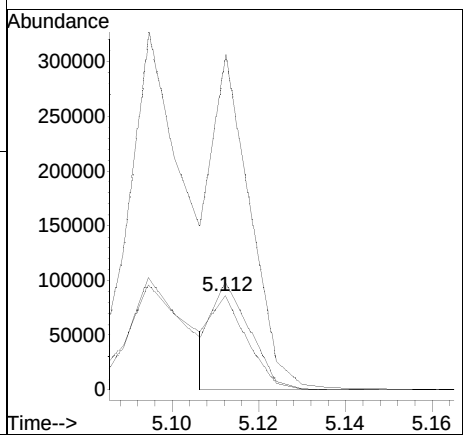


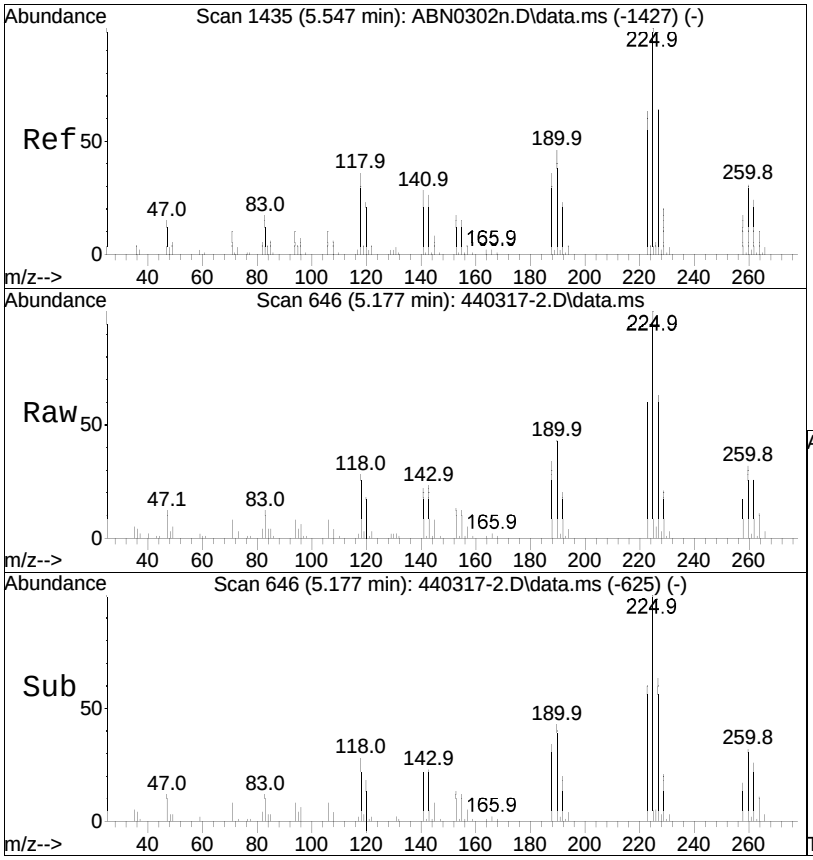


#38
4-Chloroaniline
Concen: 19.49 ug/ml M3
RT: 5.112 min Scan# 635
Delta R.T. 0.000 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion: 65 Resp: 47160

Ion	Ratio	Lower	Upper
65	100		
127	614.7	295.3	442.9#
129	194.8	96.3	144.5#

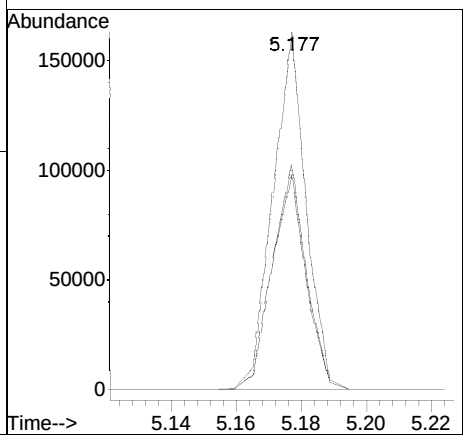


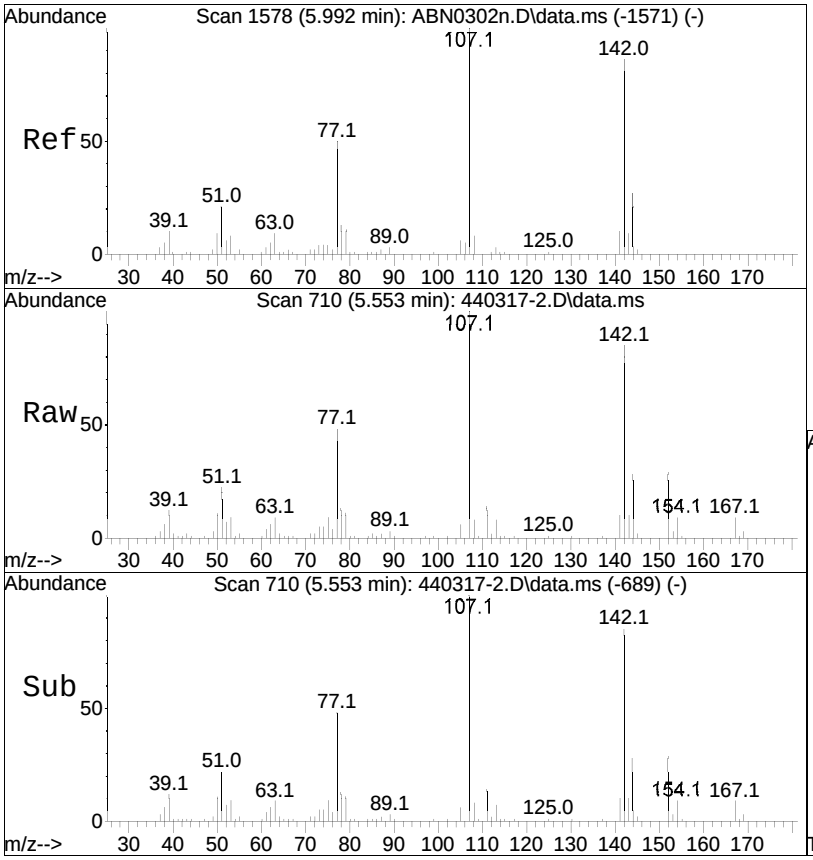


#39
Hexachlorobutadiene
Concen: 26.02 ug/ml
RT: 5.177 min Scan# 646
Delta R.T. 0.000 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:225 Resp: 113751

Ion	Ratio	Lower	Upper
225	100		
223	62.4	50.2	75.2
227	64.9	51.3	76.9

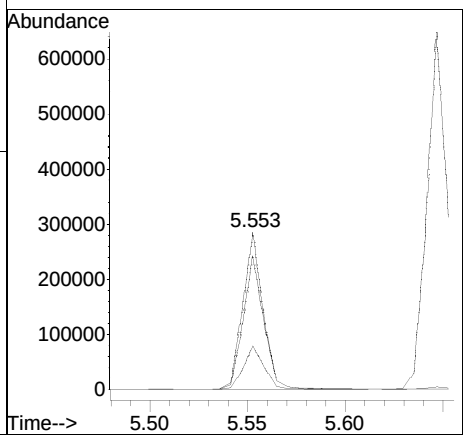


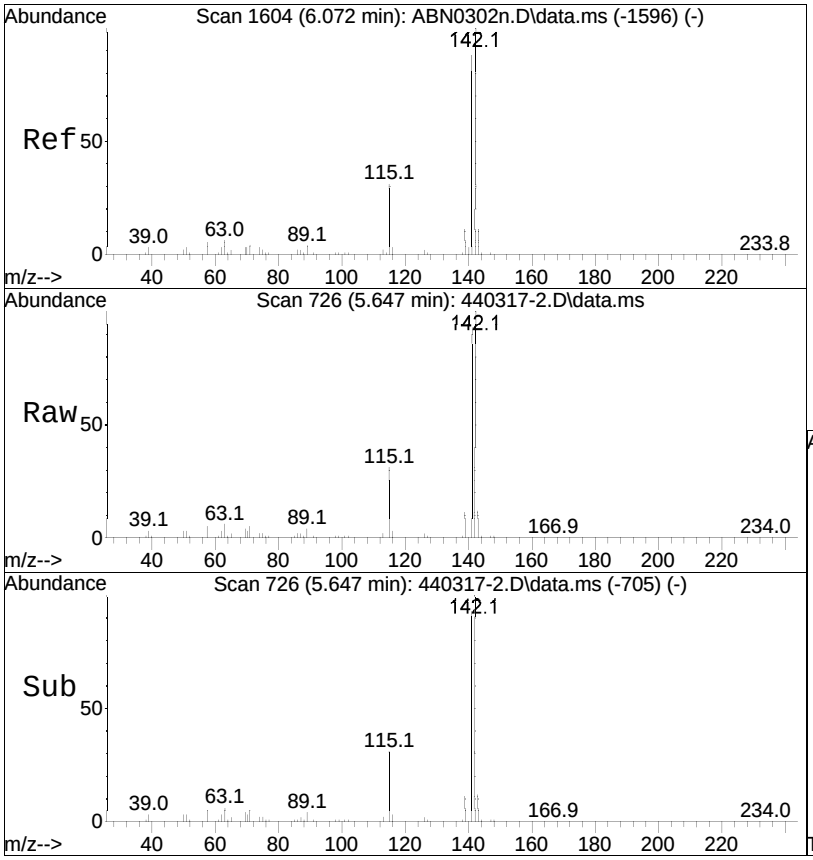


#40
p-Chloro-m-cresol
Concen: 34.63 ug/ml
RT: 5.553 min Scan# 710
Delta R.T. 0.000 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:107 Resp: 206984

Ion	Ratio	Lower	Upper
107	100		
144	28.1	20.7	31.1
142	85.7	63.7	95.5

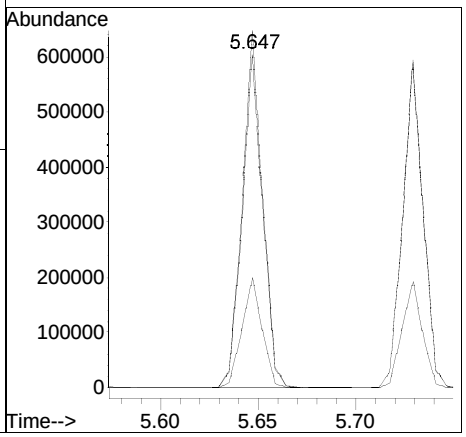


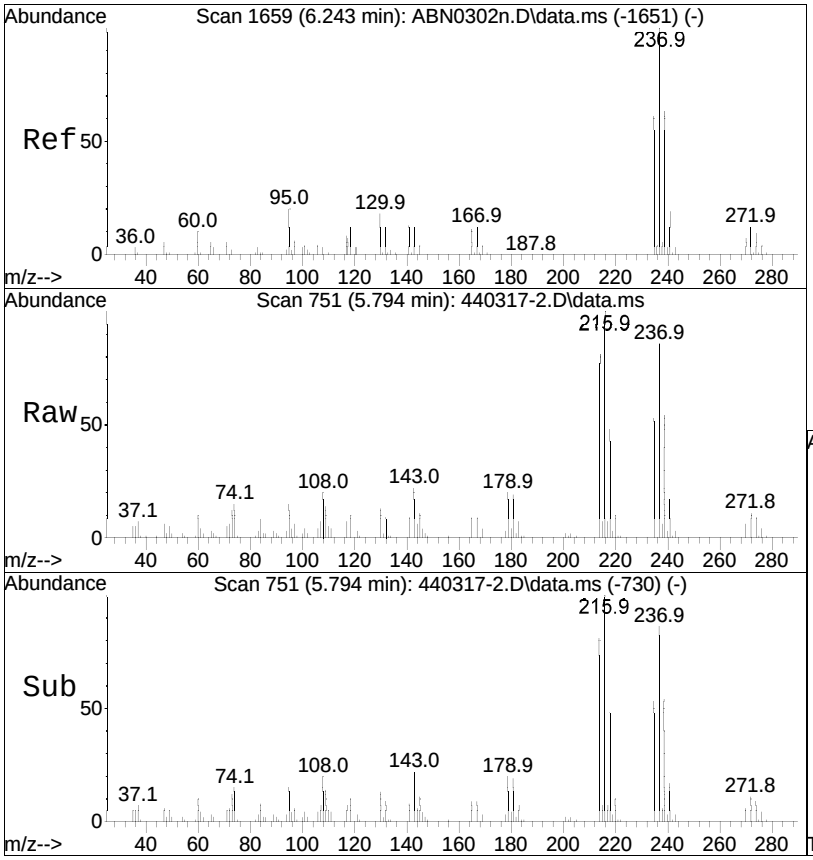


#41
2-Methylnaphthalene
Concen: 30.69 ug/ml
RT: 5.647 min Scan# 726
Delta R.T. 0.000 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:142 Resp: 466717

Ion	Ratio	Lower	Upper
142	100		
141	93.9	71.0	106.6
115	31.1	29.8	44.6

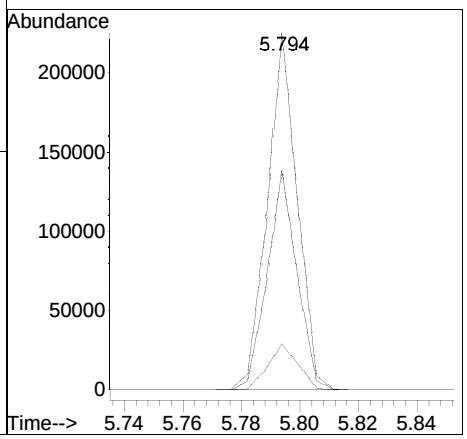


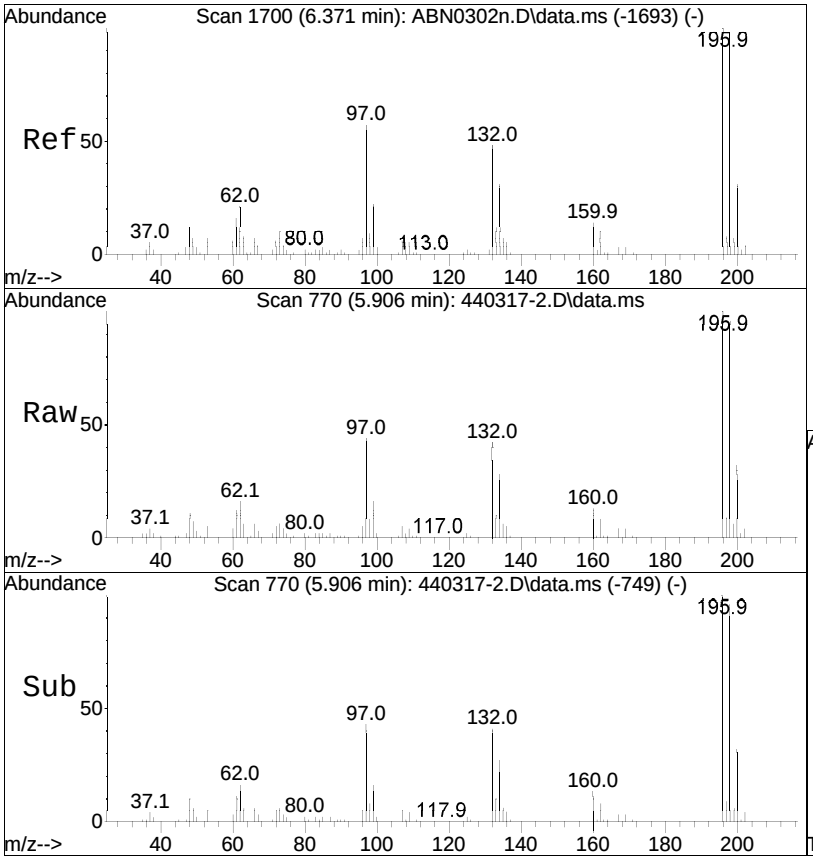


#43
Hexachlorocyclopentadiene
Concen: 28.96 ug/ml
RT: 5.794 min Scan# 751
Delta R.T. 0.000 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:237 Resp: 157755

Ion	Ratio	Lower	Upper
237	100		
235	61.4	50.2	75.2
272	13.2	11.4	17.2

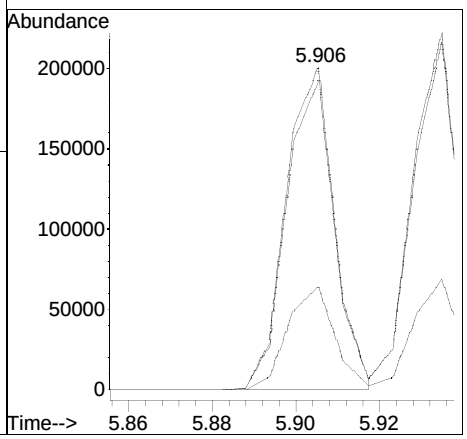


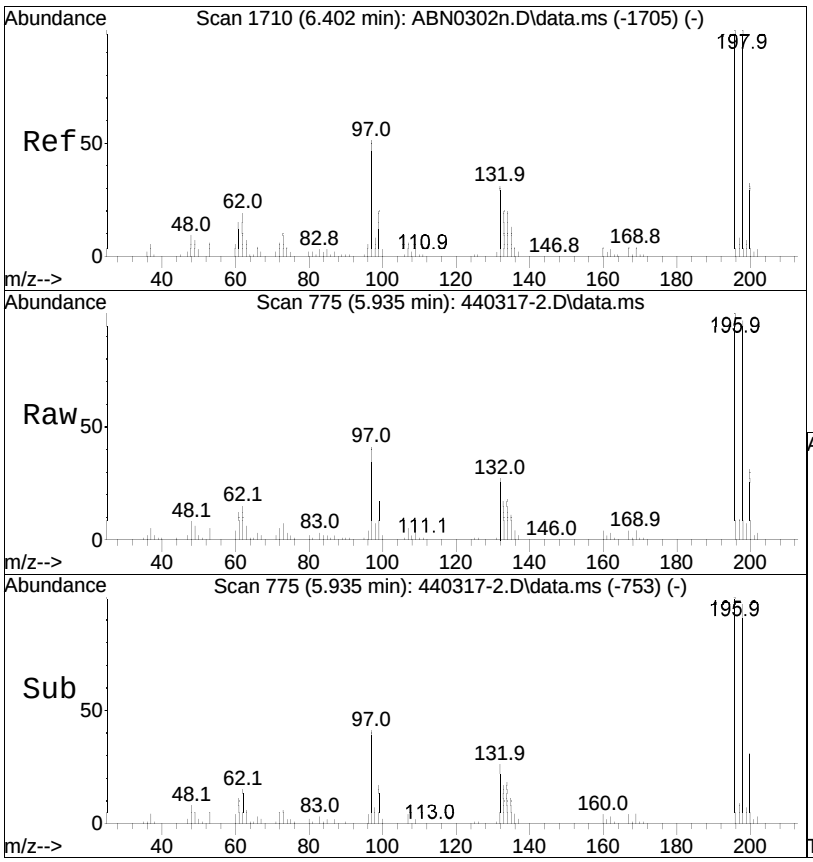


#44
2,4,6-Trichlorophenol
Concen: 33.70 ug/ml
RT: 5.906 min Scan# 770
Delta R.T. 0.000 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:196 Resp: 161005

Ion	Ratio	Lower	Upper
196	100		
198	95.3	76.0	114.0
200	31.2	24.9	37.3

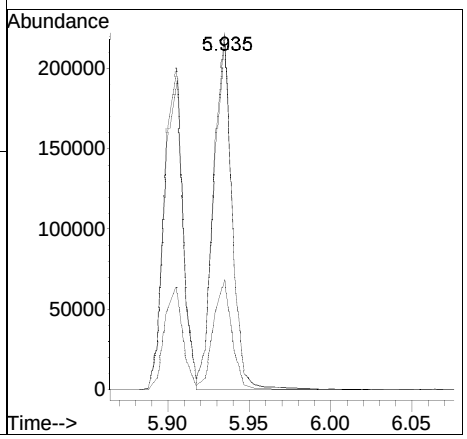


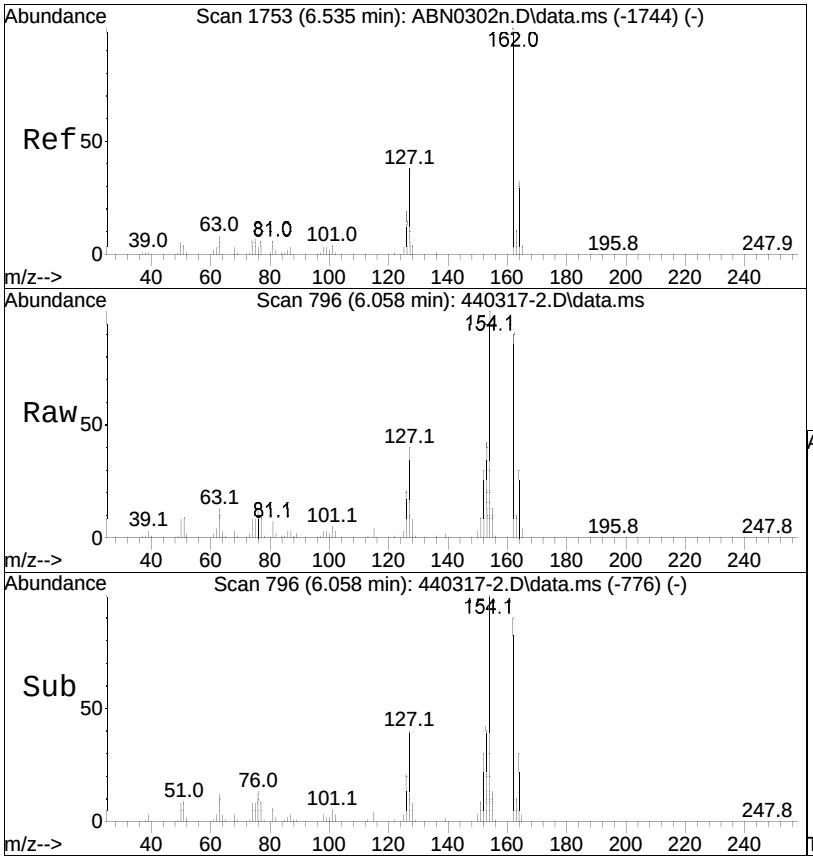


#45
2,4,5-Trichlorophenol
Concen: 33.07 ug/ml
RT: 5.935 min Scan# 775
Delta R.T. 0.006 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:196 Resp: 175610

Ion	Ratio	Lower	Upper
196	100		
200	30.6	23.8	35.6
198	97.2	74.3	111.5

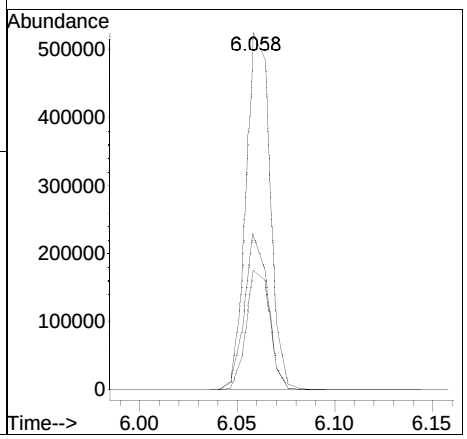


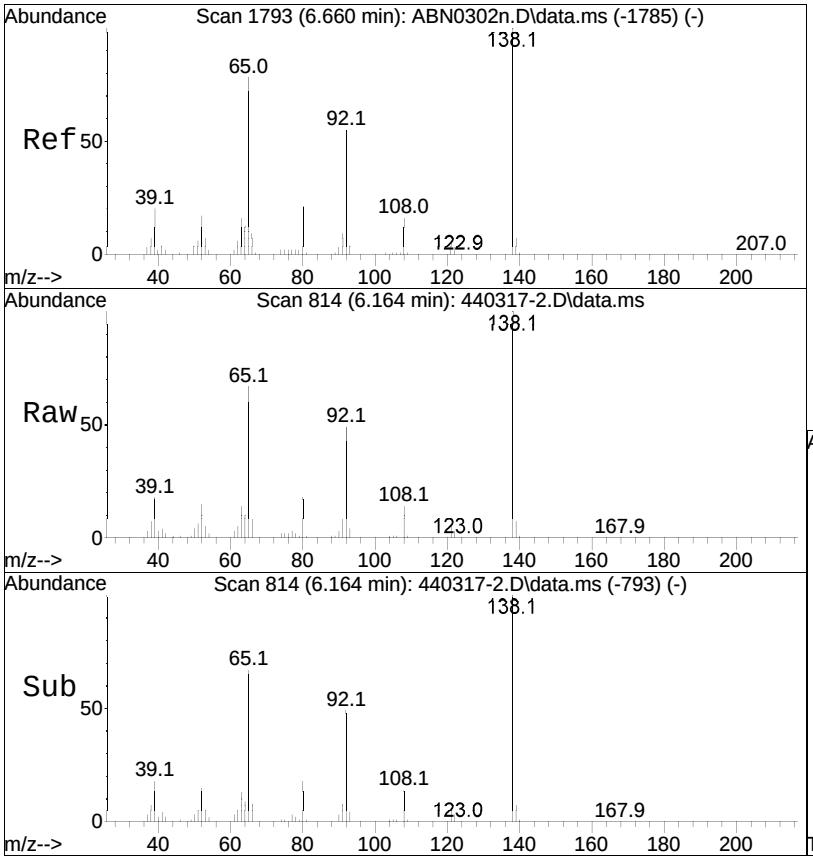


#47
2-Chloronaphthalene
Concen: 30.55 ug/ml
RT: 6.058 min Scan# 796
Delta R.T. -0.006 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:162 Resp: 449136

Ion	Ratio	Lower	Upper
162	100		
127	42.7	33.9	50.9
164	33.3	26.3	39.5

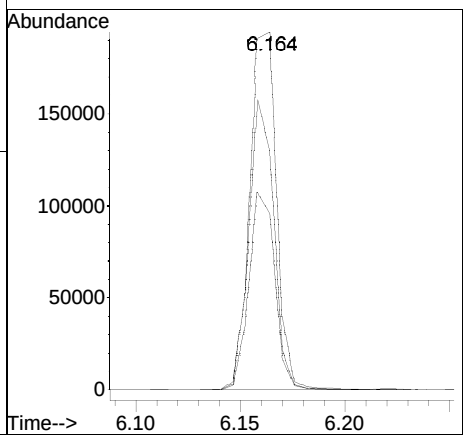


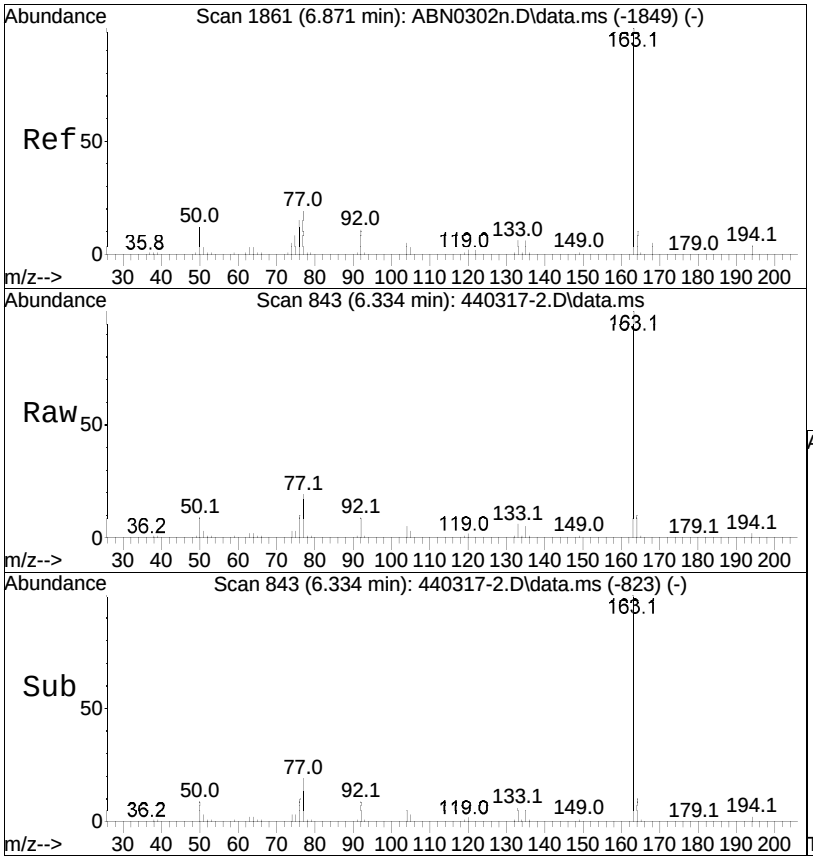


#48
2-Nitroaniline
Concen: 35.64 ug/ml
RT: 6.164 min Scan# 814
Delta R.T. 0.000 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:138 Resp: 170910

Ion	Ratio	Lower	Upper
138	100		
92	53.7	52.5	78.7
65	76.0	67.7	101.5

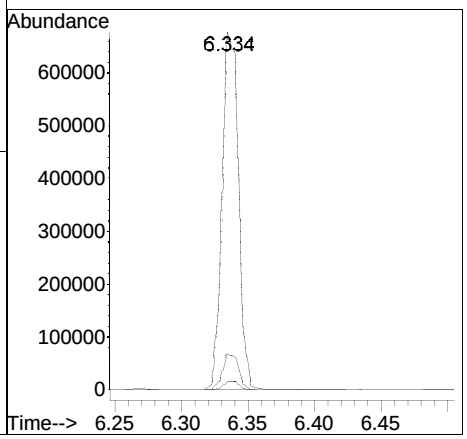


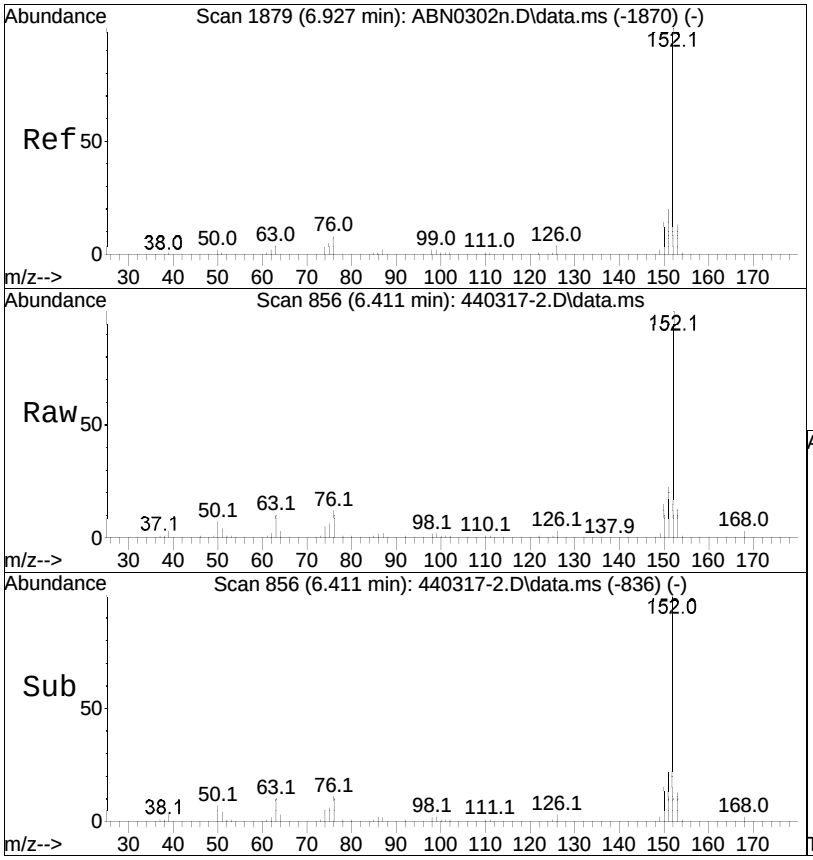


#51
Dimethyl phthalate
Concen: 31.52 ug/ml
RT: 6.334 min Scan# 843
Delta R.T. -0.006 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:163 Resp: 570127

Ion	Ratio	Lower	Upper
163	100		
194	2.3	3.5	5.3#
164	10.1	8.3	12.5

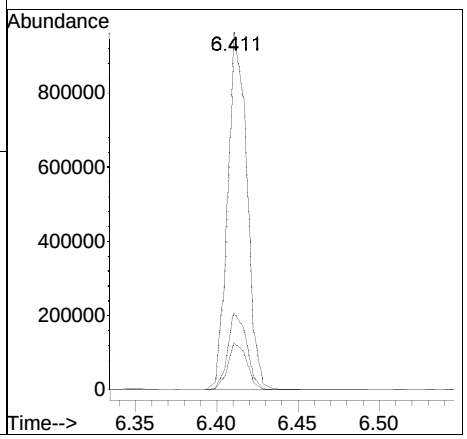


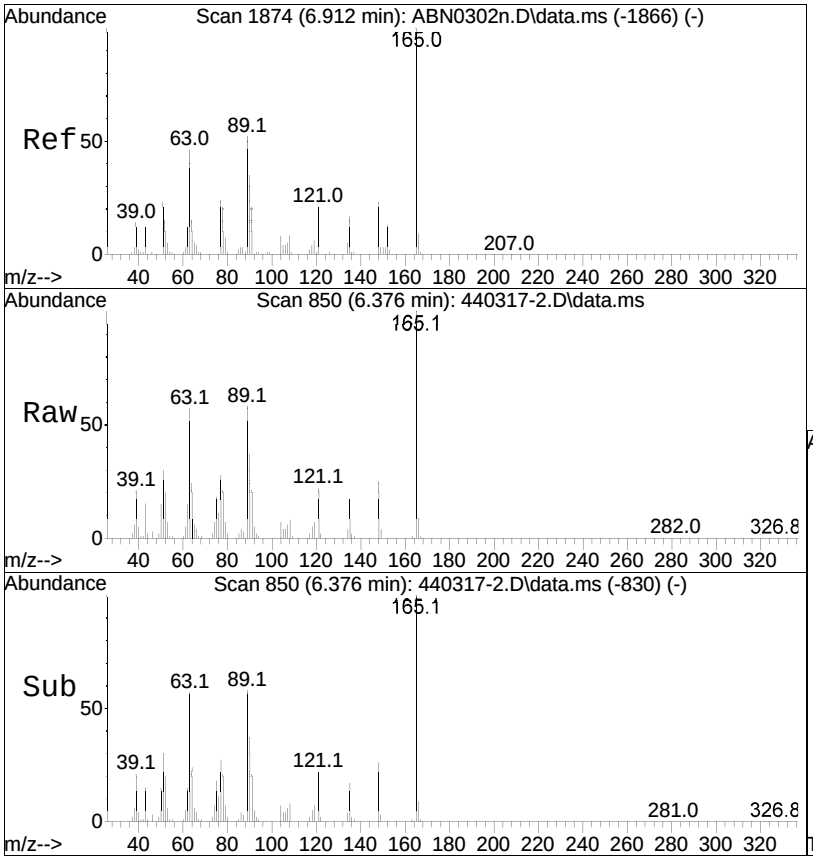


#52
Acenaphthylene
Concen: 30.69 ug/ml
RT: 6.411 min Scan# 856
Delta R.T. -0.006 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:152 Resp: 781786

Ion	Ratio	Lower	Upper
152	100		
151	21.5	17.7	26.5
153	13.2	10.6	15.8

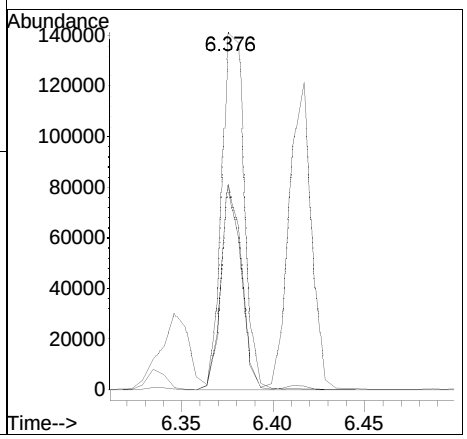


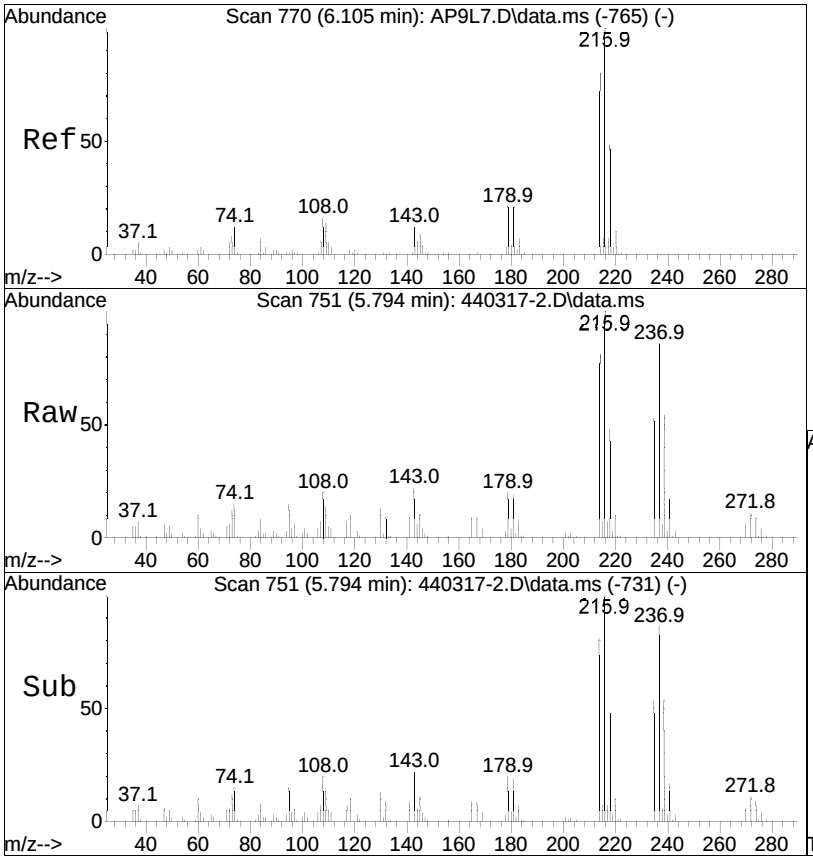


#53
2,6-Dinitrotoluene
Concen: 33.58 ug/ml
RT: 6.376 min Scan# 850
Delta R.T. -0.006 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:165 Resp: 122168

Ion	Ratio	Lower	Upper
165	100		
89	52.2	56.8	85.2#
63	50.3	50.6	76.0#

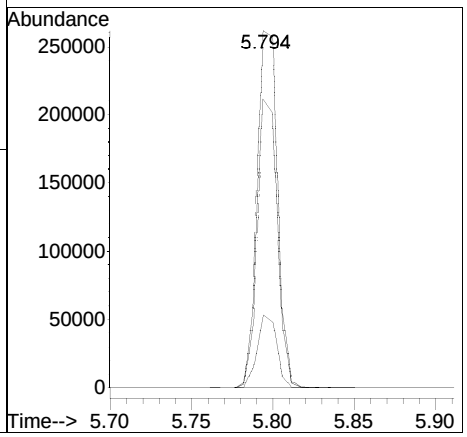


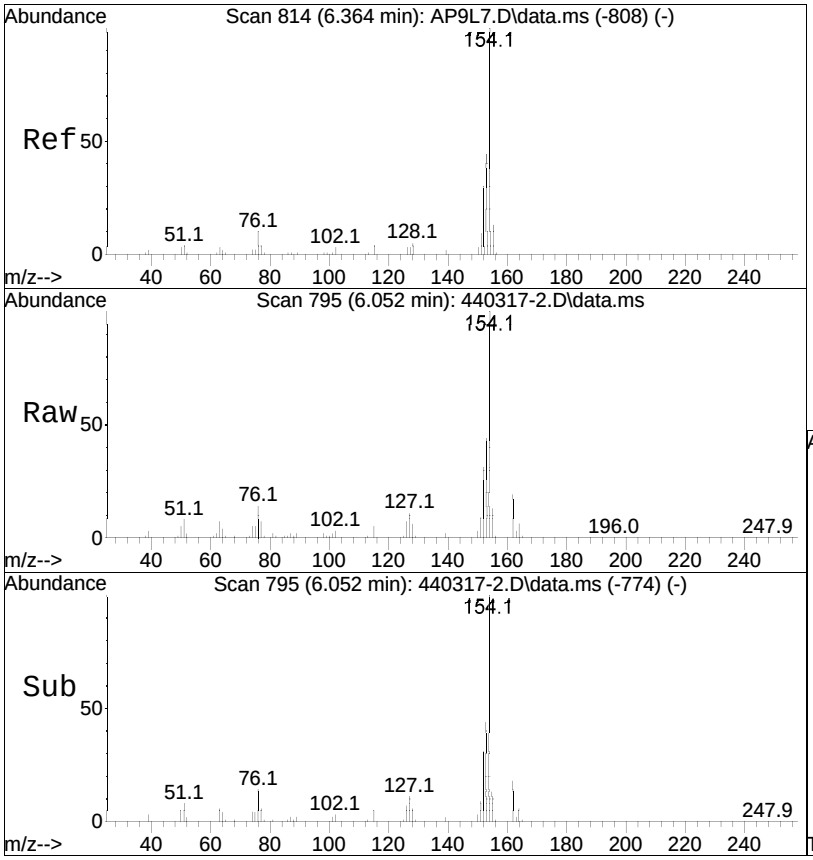


#61
1,2,4,5-Tetrachlorobenzene
Concen: 30.79 ug/ml
RT: 5.794 min Scan# 751
Delta R.T. -0.006 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:216 Resp: 228077

Ion	Ratio	Lower	Upper
216	100		
214	79.5	64.2	96.2
179	19.7	17.8	26.8

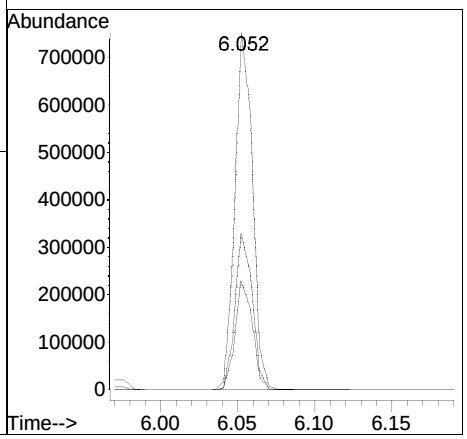


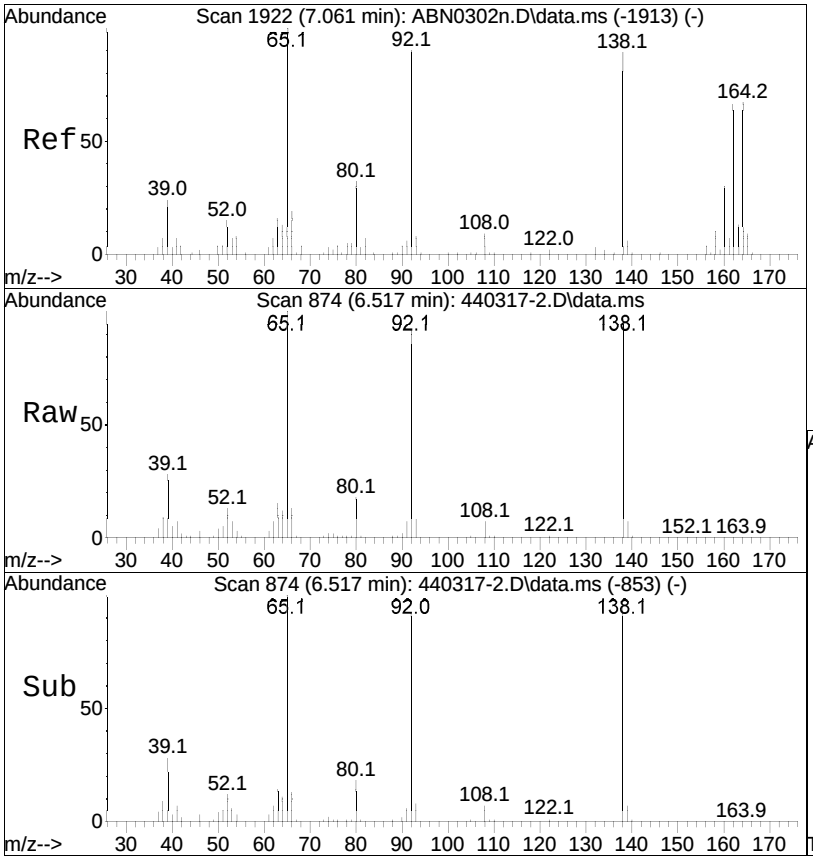


#62
Biphenyl
Concen: 33.43 ug/ml
RT: 6.052 min Scan# 795
Delta R.T. 0.000 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:154 Resp: 593079

Ion	Ratio	Lower	Upper
154	100		
153	43.2	35.1	52.7
152	30.4	24.0	36.0

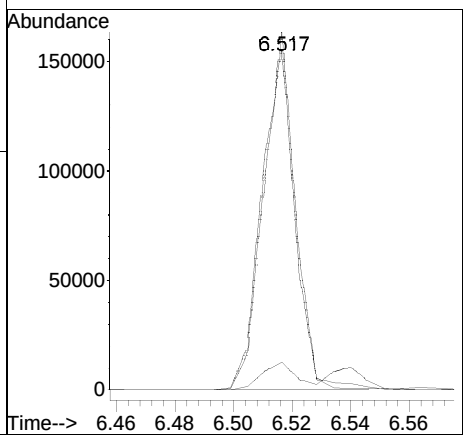


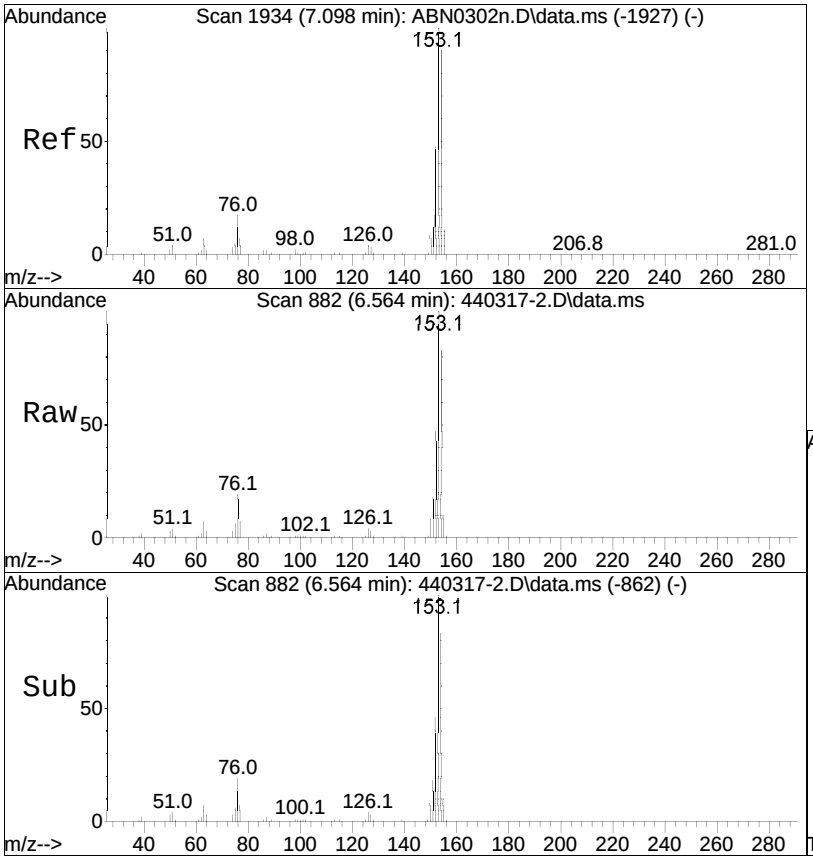


#64
3-Nitroaniline
Concen: 27.29 ug/ml
RT: 6.517 min Scan# 874
Delta R.T. 0.000 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:138 Resp: 120508

Ion	Ratio	Lower	Upper
138	100		
92	101.7	95.4	143.2
108	8.8	8.1	12.1

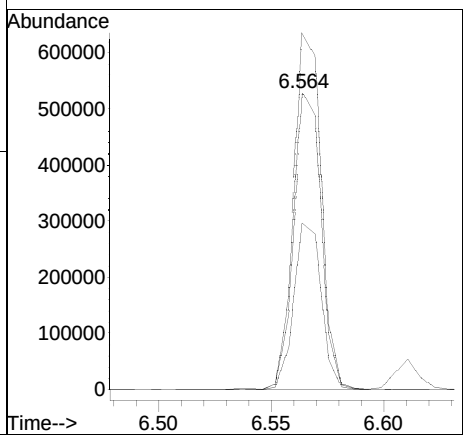


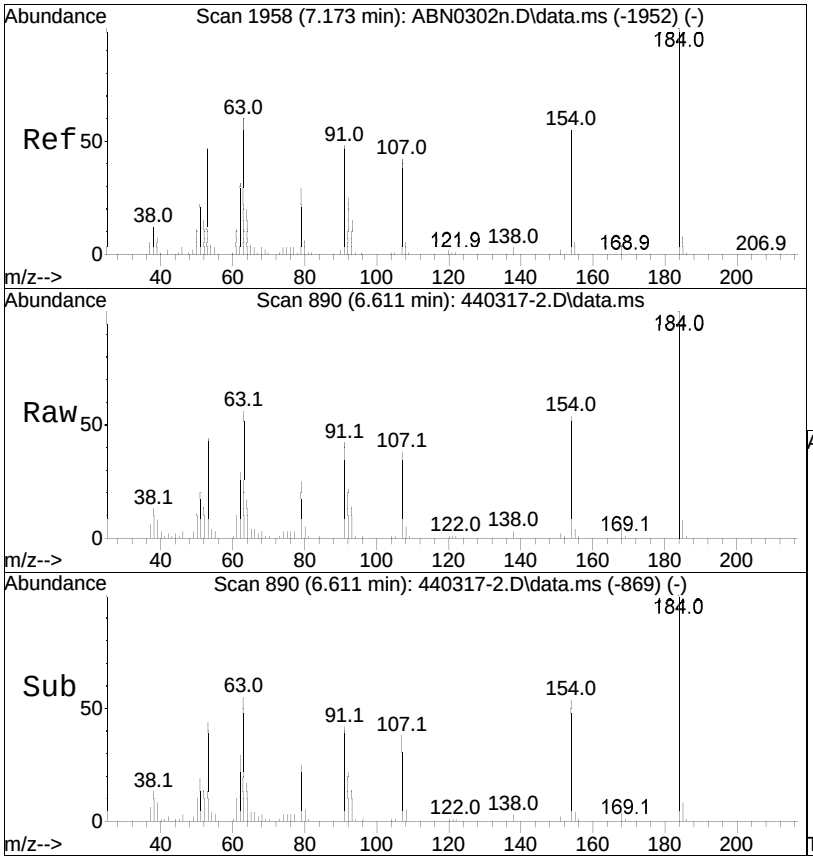


#65
Acenaphthene
Concen: 29.19 ug/ml
RT: 6.564 min Scan# 882
Delta R.T. -0.006 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:154 Resp: 449871

Ion	Ratio	Lower	Upper
154	100		
153	120.4	89.2	133.8
152	56.5	44.2	66.2

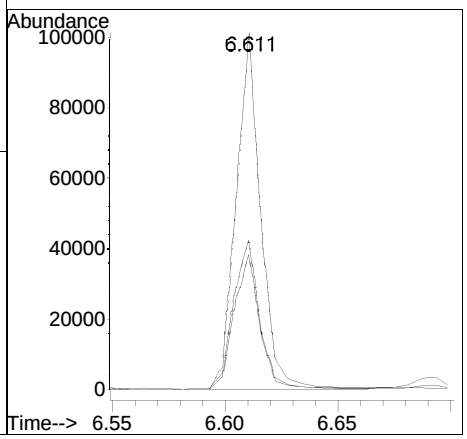


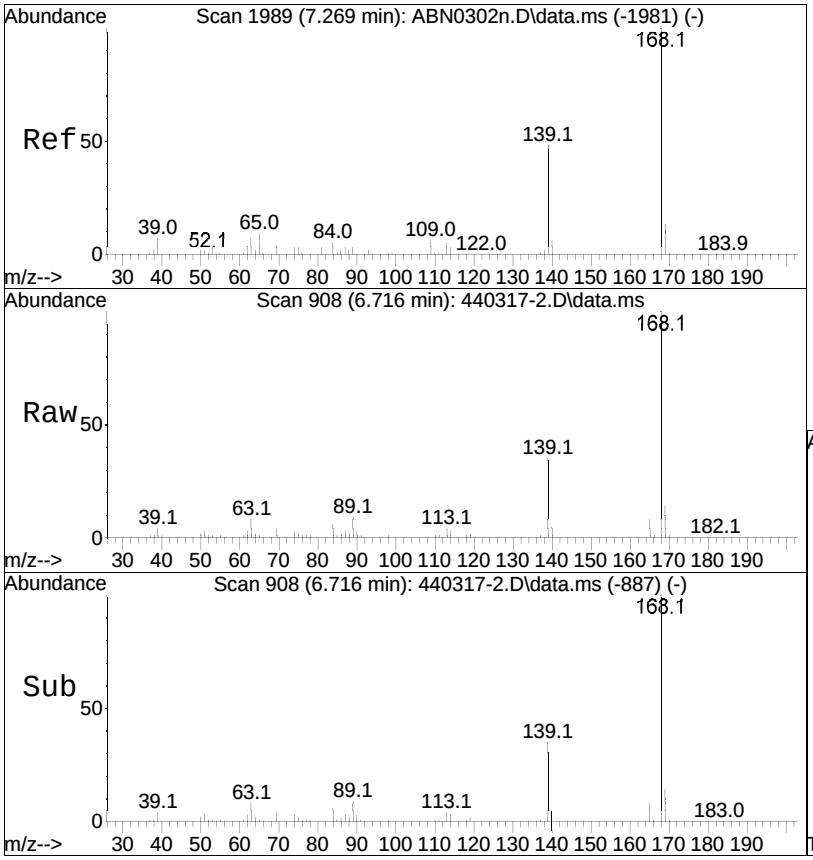


#66
2,4-Dinitrophenol
Concen: 33.55 ug/ml
RT: 6.611 min Scan# 890
Delta R.T. 0.000 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:184 Resp: 76433

Ion	Ratio	Lower	Upper
184	100		
107	40.0	40.6	61.0#
91	45.5	47.3	70.9#

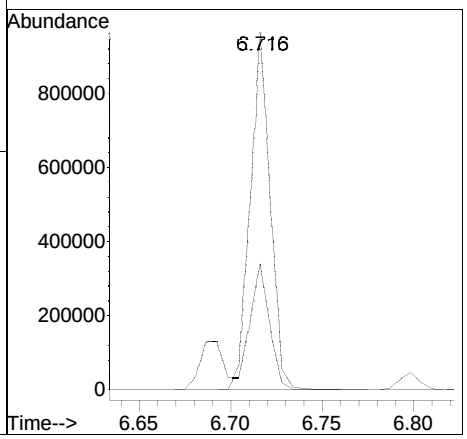


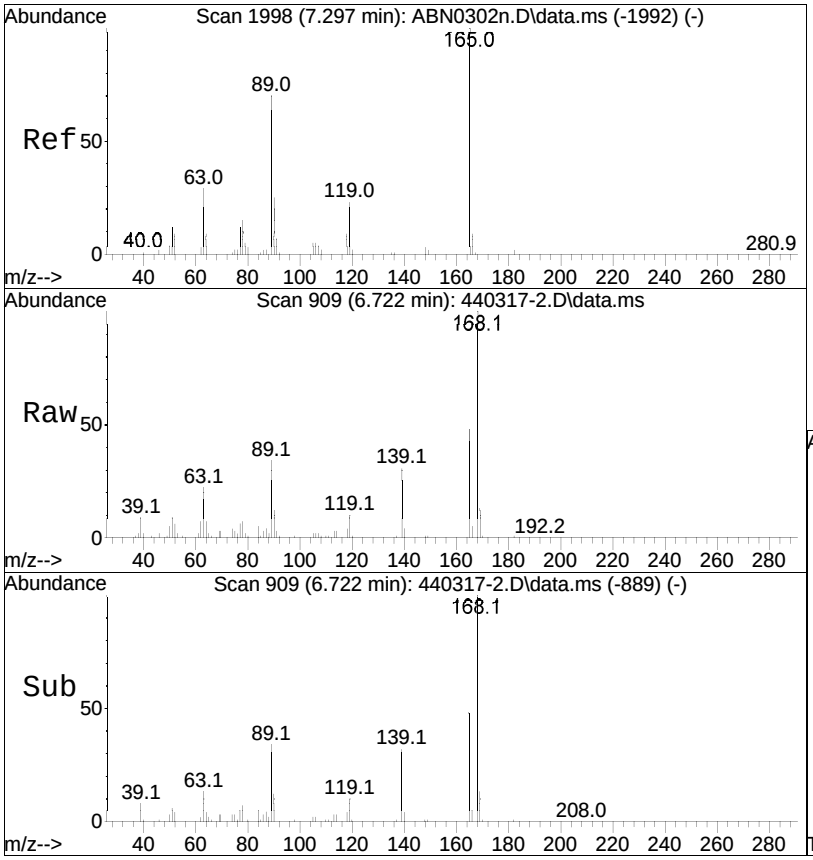


#67
Dibenzofuran
Concen: 32.00 ug/ml
RT: 6.716 min Scan# 908
Delta R.T. 0.000 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:168 Resp: 722204

Ion	Ratio	Lower	Upper
168	100		
139	33.8	33.3	49.9

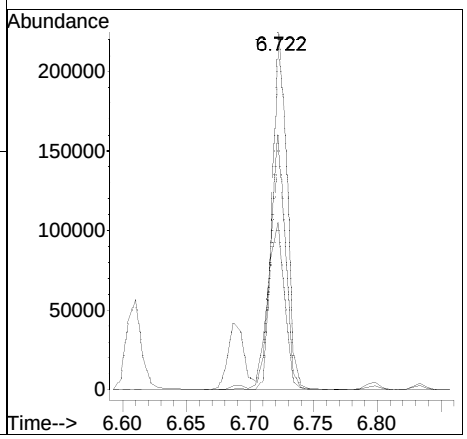


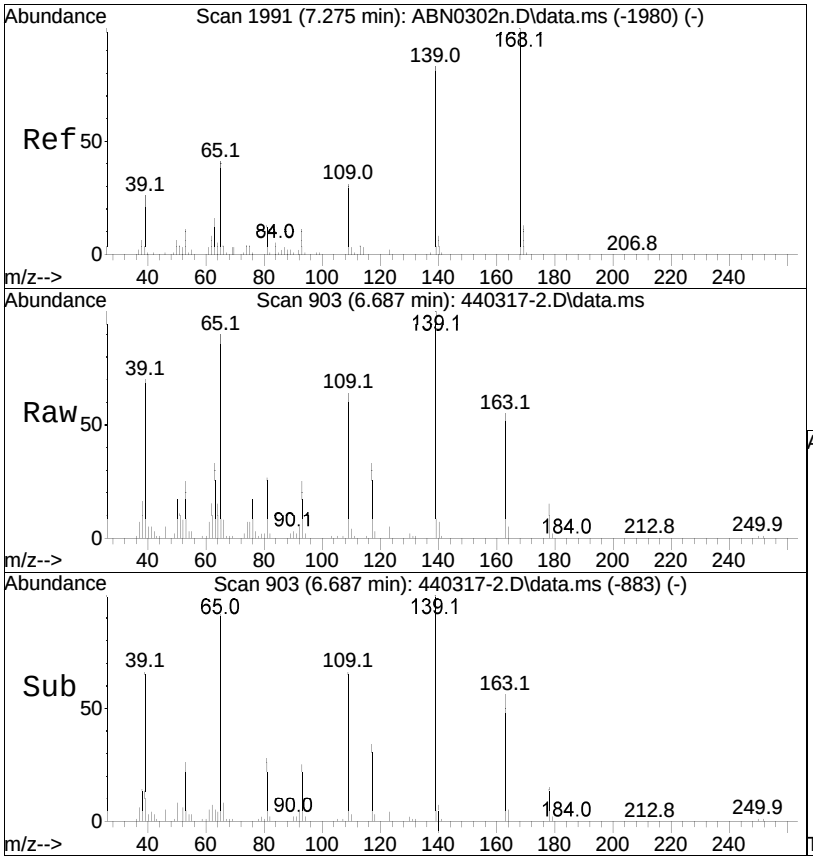


#68
2,4-Dinitrotoluene
Concen: 34.49 ug/ml
RT: 6.722 min Scan# 909
Delta R.T. -0.006 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:165 Resp: 174959

Ion	Ratio	Lower	Upper
165	100		
89	75.2	82.6	124.0#
63	54.8	56.9	85.3#

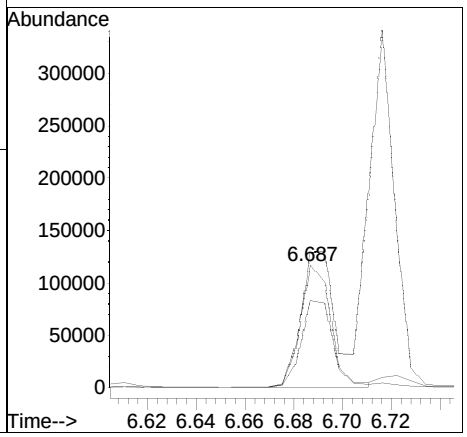


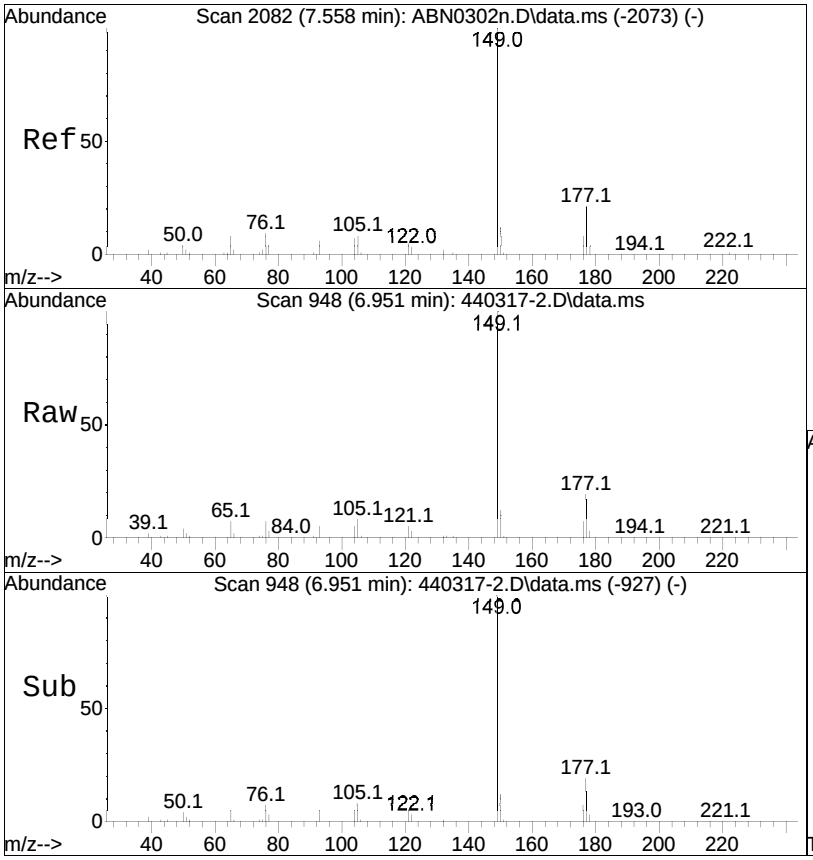


#69
4-Nitrophenol
Concen: 34.93 ug/ml
RT: 6.687 min Scan# 903
Delta R.T. -0.006 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion: 65 Resp: 102203

Ion	Ratio	Lower	Upper
65	100		
109	76.3	60.7	91.1
139	125.3	90.3	135.5

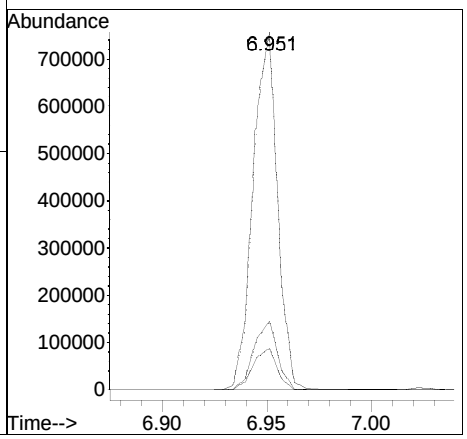


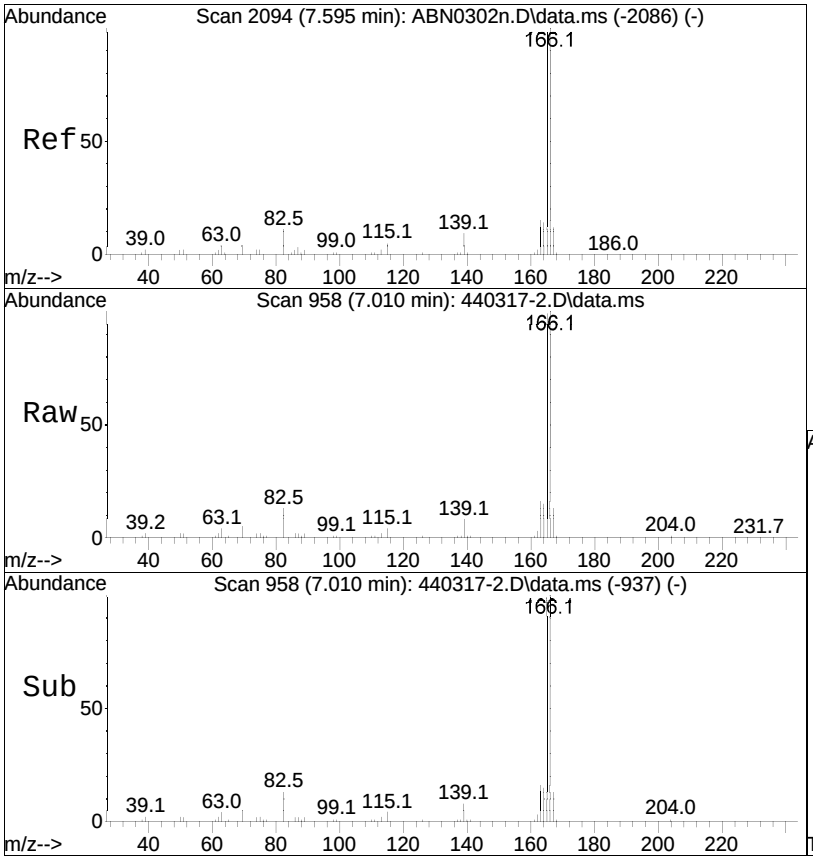


#72
Diethyl phthalate
Concen: 30.79 ug/ml
RT: 6.951 min Scan# 948
Delta R.T. 0.000 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:149 Resp: 607509

Ion	Ratio	Lower	Upper
149	100		
177	18.9	14.7	22.1
150	11.6	9.4	14.0

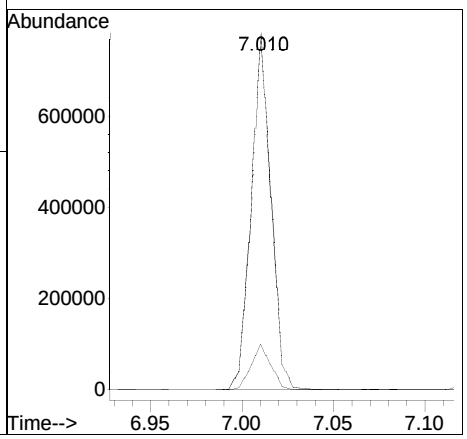


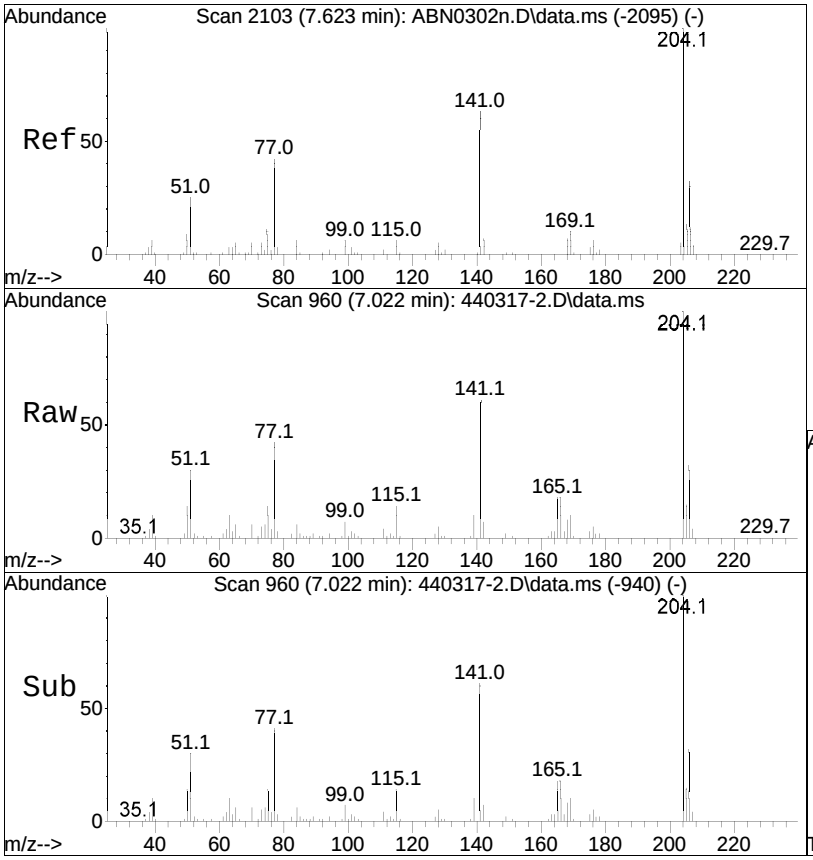


#73
Fluorene
Concen: 31.36 ug/ml
RT: 7.010 min Scan# 958
Delta R.T. 0.000 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:166 Resp: 581361

Ion	Ratio	Lower	Upper
166	100		
165	101.1	76.7	115.1
167	13.2	11.0	16.4

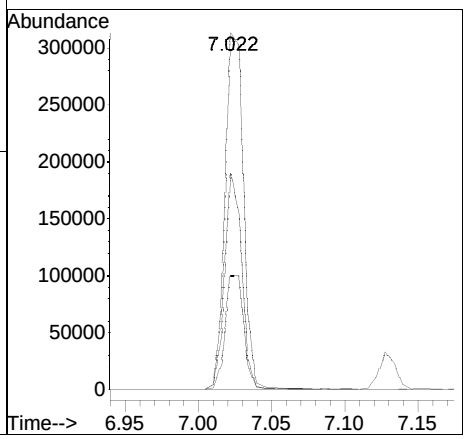


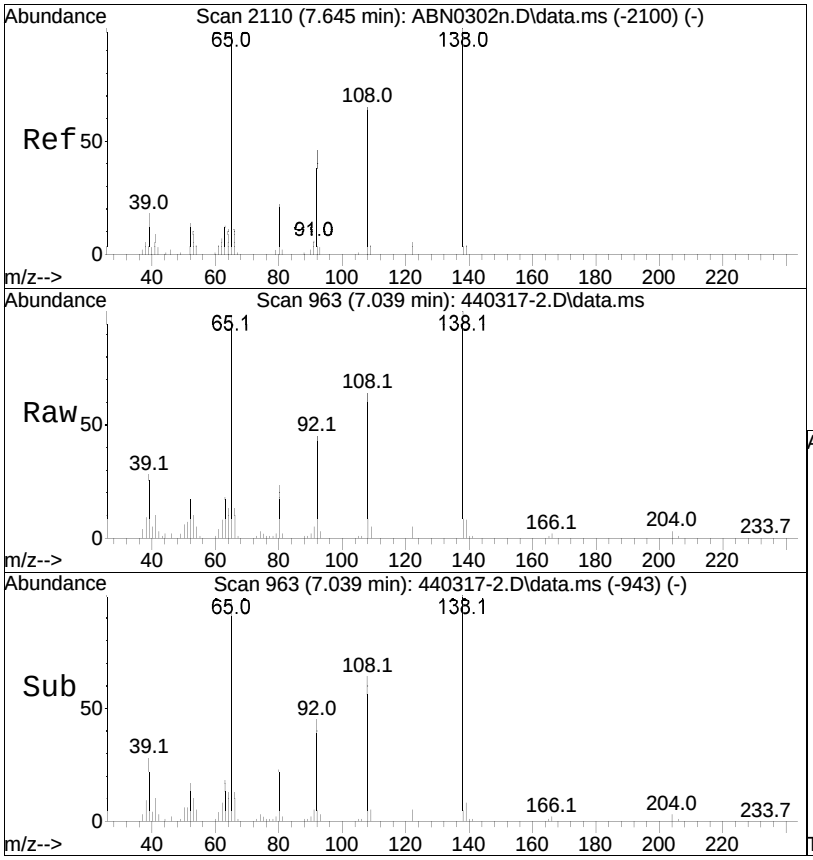


#74
4-Chlorophenyl phenyl ether
Concen: 30.23 ug/ml
RT: 7.022 min Scan# 960
Delta R.T. -0.006 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:204 Resp: 271112

Ion	Ratio	Lower	Upper
204	100		
206	32.6	25.8	38.6
141	55.9	56.2	84.4#

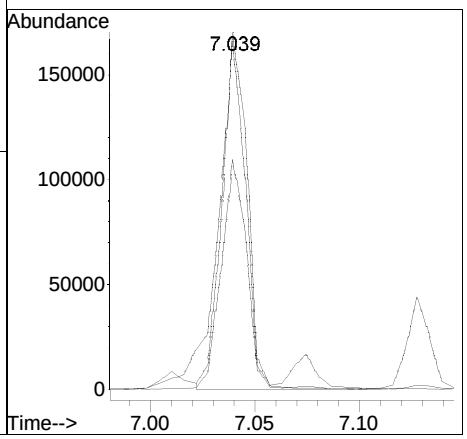


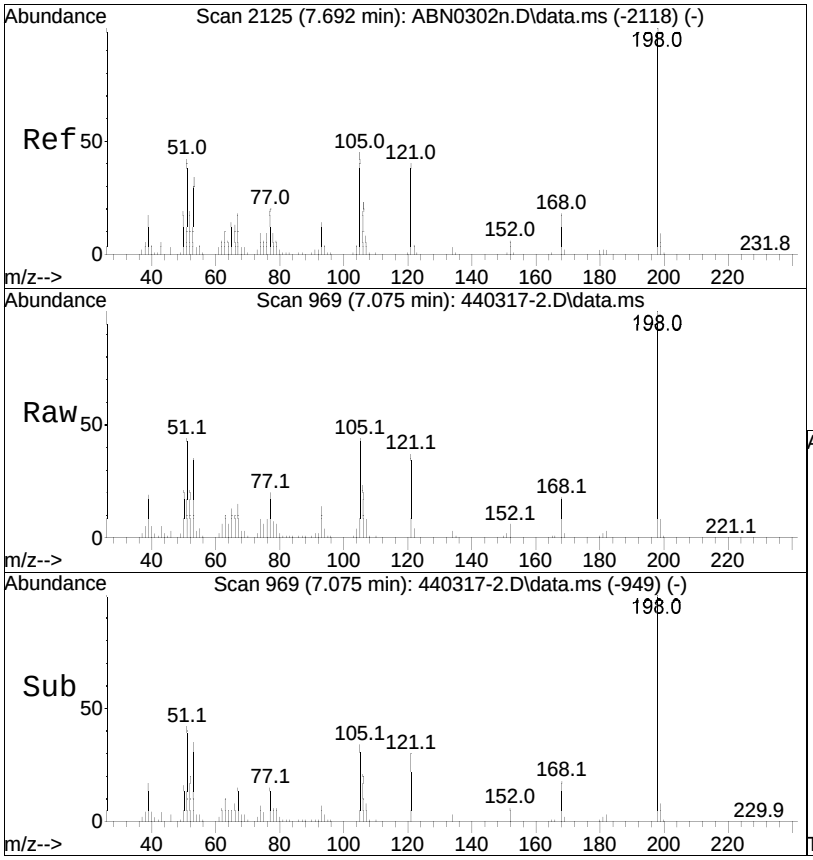


#75
4-Nitroaniline
Concen: 31.43 ug/ml
RT: 7.039 min Scan# 963
Delta R.T. -0.006 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:138 Resp: 140698

Ion	Ratio	Lower	Upper
138	100		
108	65.1	54.2	81.4
65	106.6	88.2	132.4

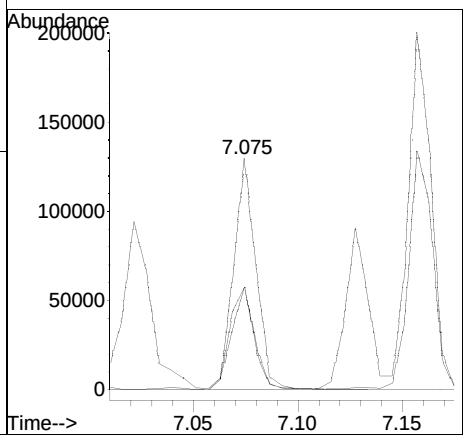


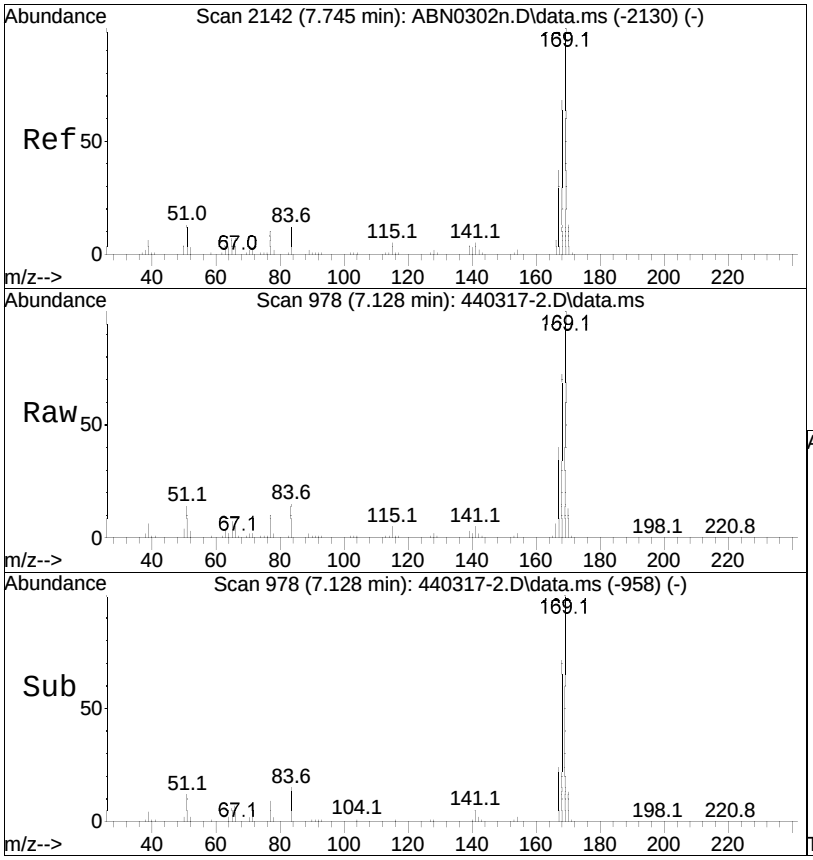


#76
4,6-Dinitro-o-cresol
Concen: 34.58 ug/ml
RT: 7.075 min Scan# 969
Delta R.T. -0.006 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:198 Resp: 97102

Ion	Ratio	Lower	Upper
198	100		
51	46.3	41.0	61.4
105	45.4	49.0	73.4#

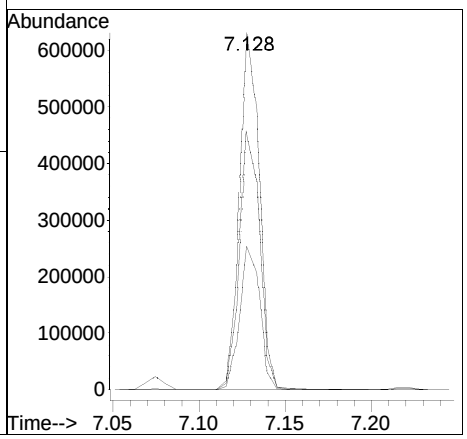


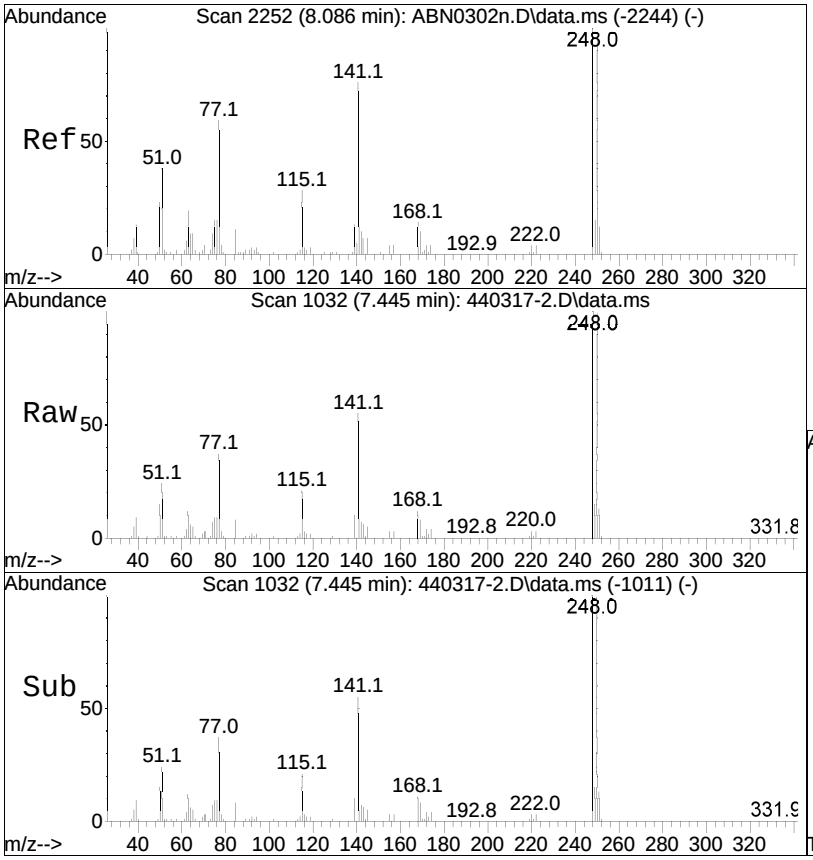


#77
NDPA/DPA
Concen: 31.85 ug/ml
RT: 7.128 min Scan# 978
Delta R.T. -0.006 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:169 Resp: 507982

Ion	Ratio	Lower	Upper
169	100		
168	73.6	58.2	87.4
167	41.1	31.7	47.5

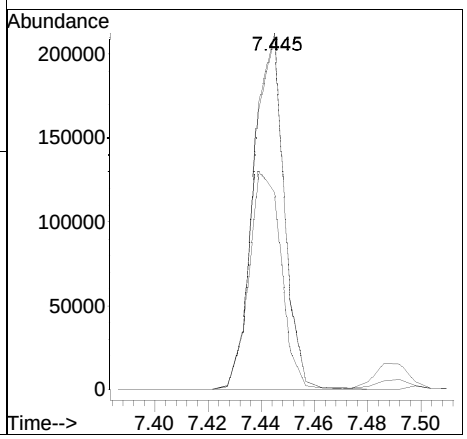


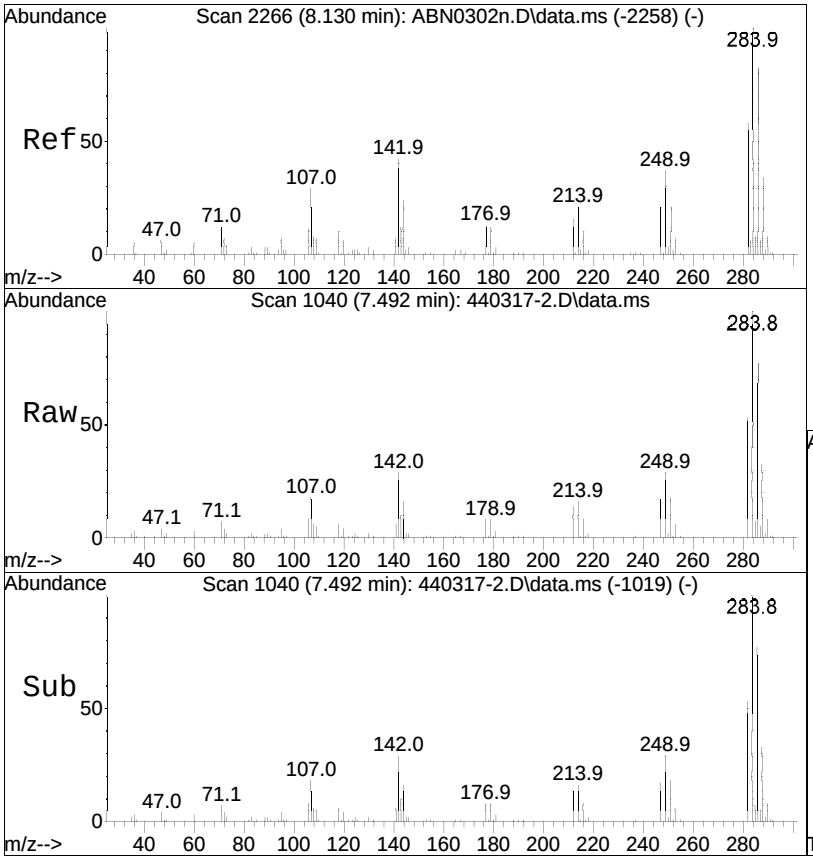


#80
4-Bromophenyl phenyl ether
Concen: 29.59 ug/ml
RT: 7.445 min Scan# 1032
Delta R.T. 0.000 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:248 Resp: 169660

Ion	Ratio	Lower	Upper
248	100		
141	64.6	68.2	102.4#
250	98.6	76.5	114.7

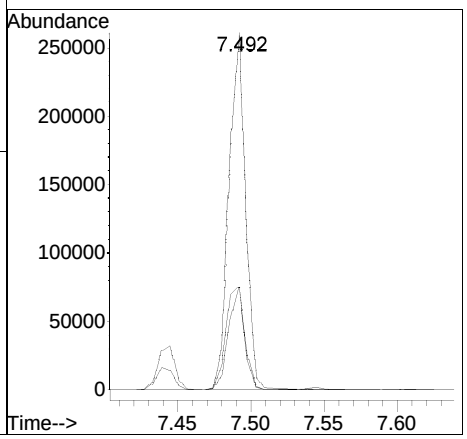


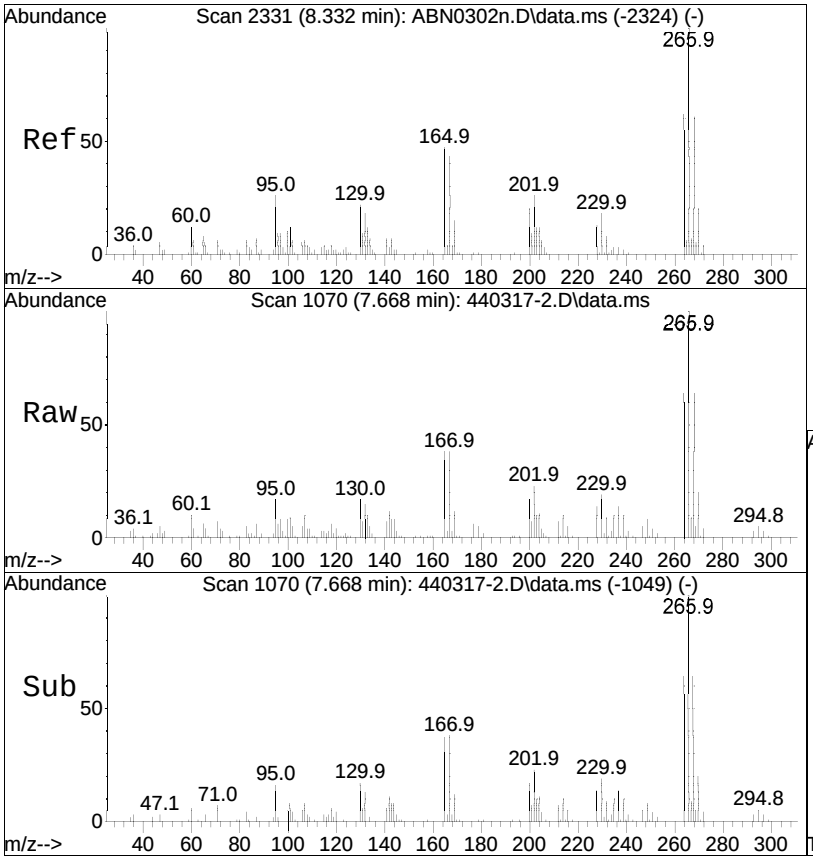


#81
Hexachlorobenzene
Concen: 29.43 ug/ml
RT: 7.492 min Scan# 1040
Delta R.T. 0.000 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:284 Resp: 204185

Ion	Ratio	Lower	Upper
284	100		
142	32.4	38.1	57.1#
249	29.0	20.7	31.1

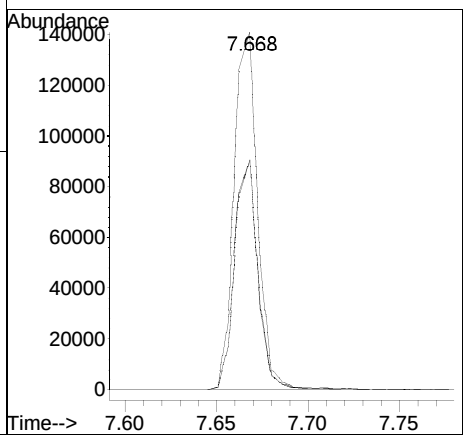


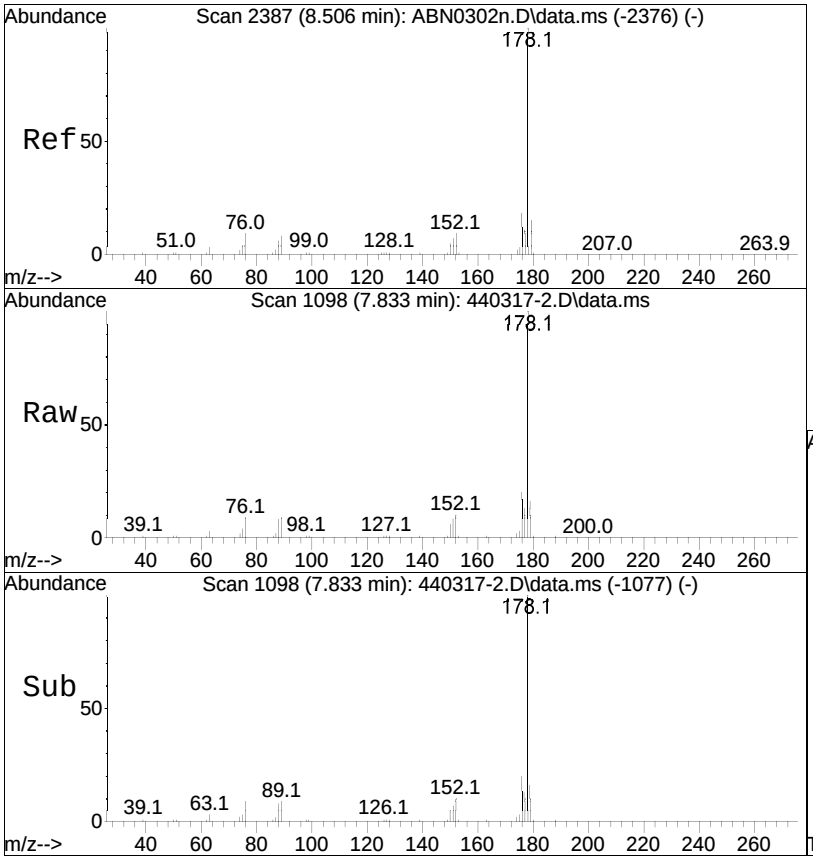


#82
Pentachlorophenol
Concen: 33.26 ug/ml
RT: 7.668 min Scan# 1070
Delta R.T. 0.000 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:266 Resp: 126963

Ion	Ratio	Lower	Upper
266	100		
264	63.2	49.4	74.2
268	63.7	51.1	76.7

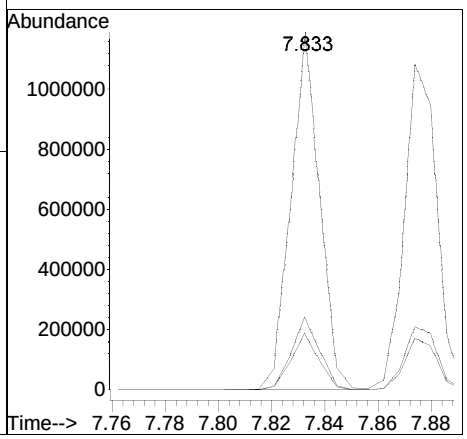


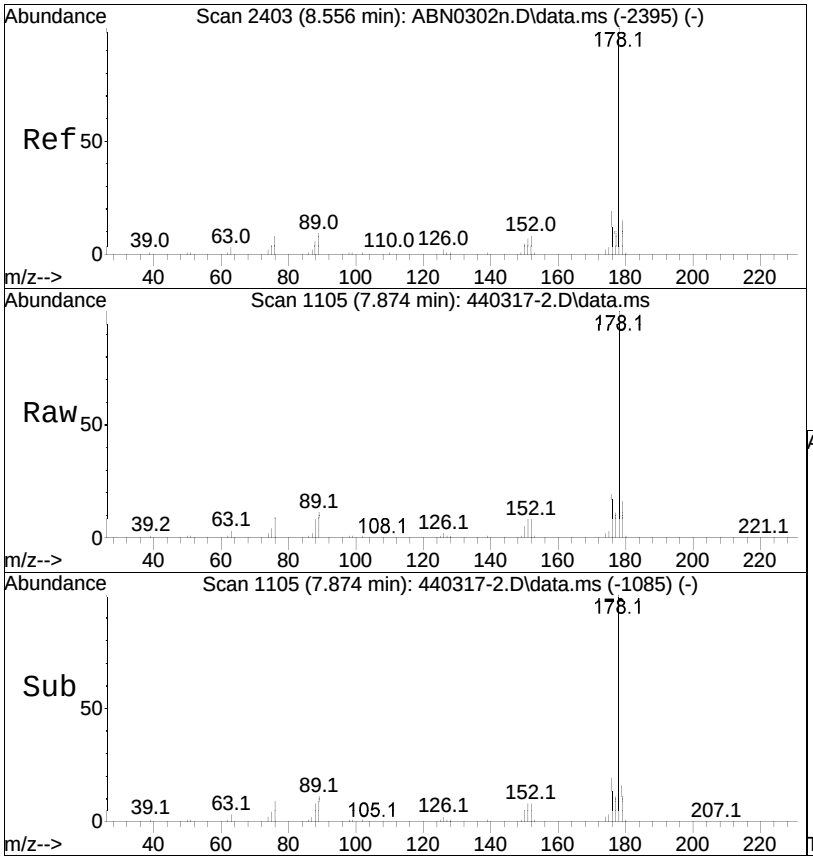


#89
Phenanthrene
Concen: 32.01 ug/ml
RT: 7.833 min Scan# 1098
Delta R.T. 0.000 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:178 Resp: 892255

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.9	19.3
176	19.8	16.7	25.1

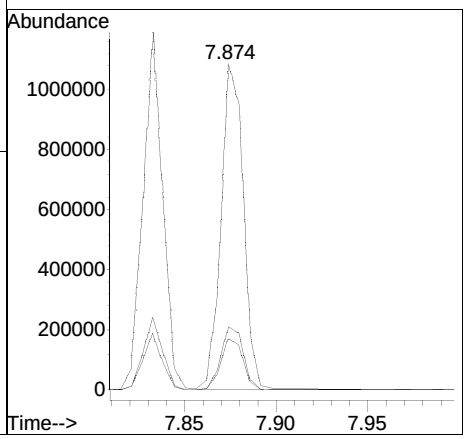


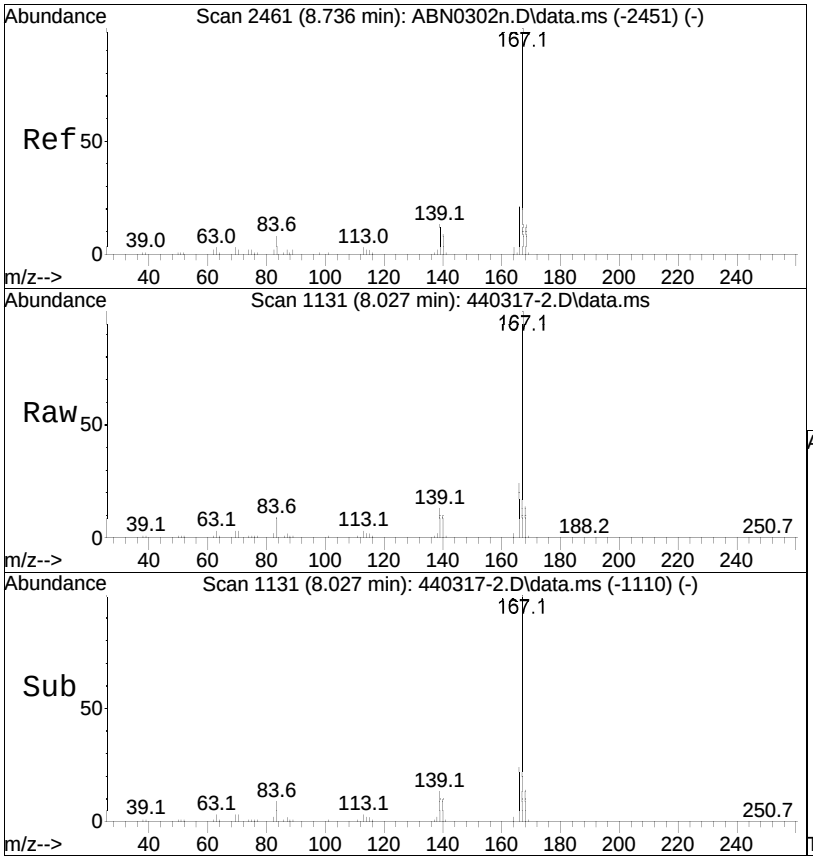


#90
Anthracene
Concen: 31.57 ug/ml
RT: 7.874 min Scan# 1105
Delta R.T. -0.006 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:178 Resp: 919204

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.7	19.1
176	19.4	16.6	24.8

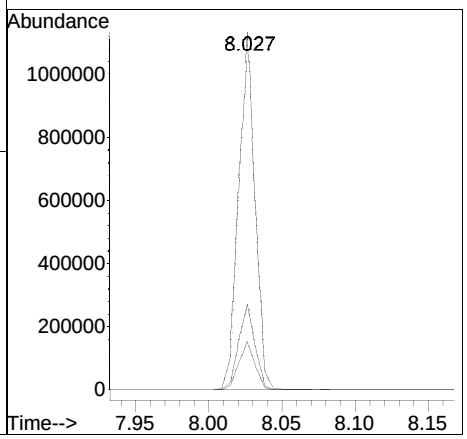


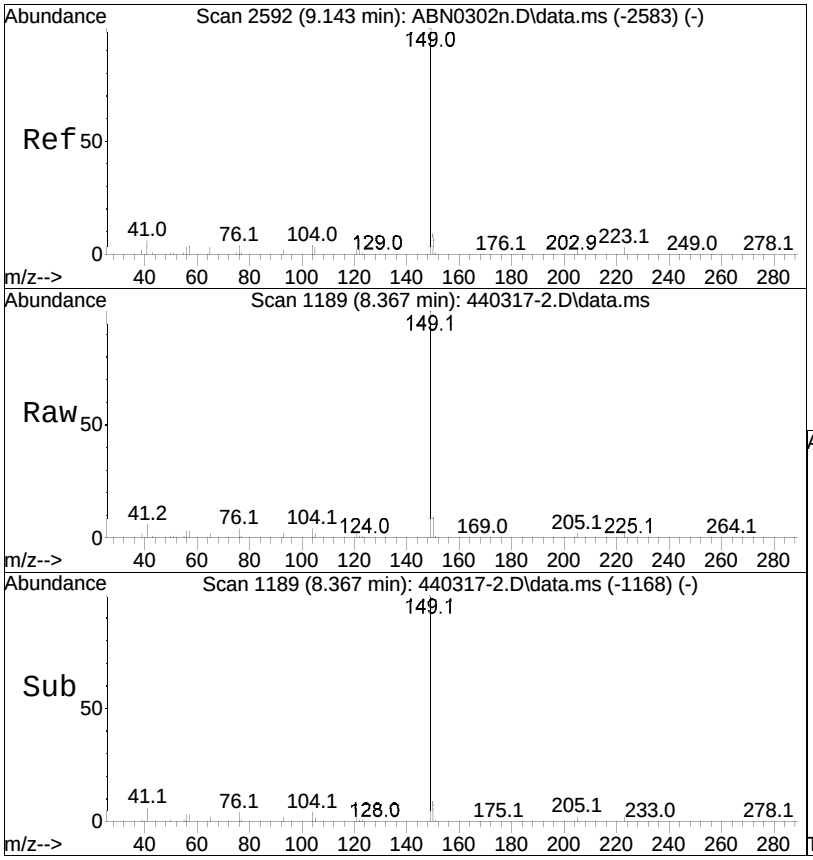


#91
Carbazole
Concen: 32.46 ug/ml
RT: 8.027 min Scan# 1131
Delta R.T. 0.000 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:167 Resp: 870657

Ion	Ratio	Lower	Upper
167	100		
168	13.5	11.3	16.9
166	24.0	18.9	28.3

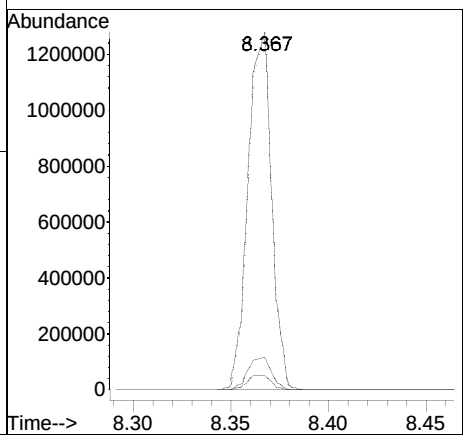


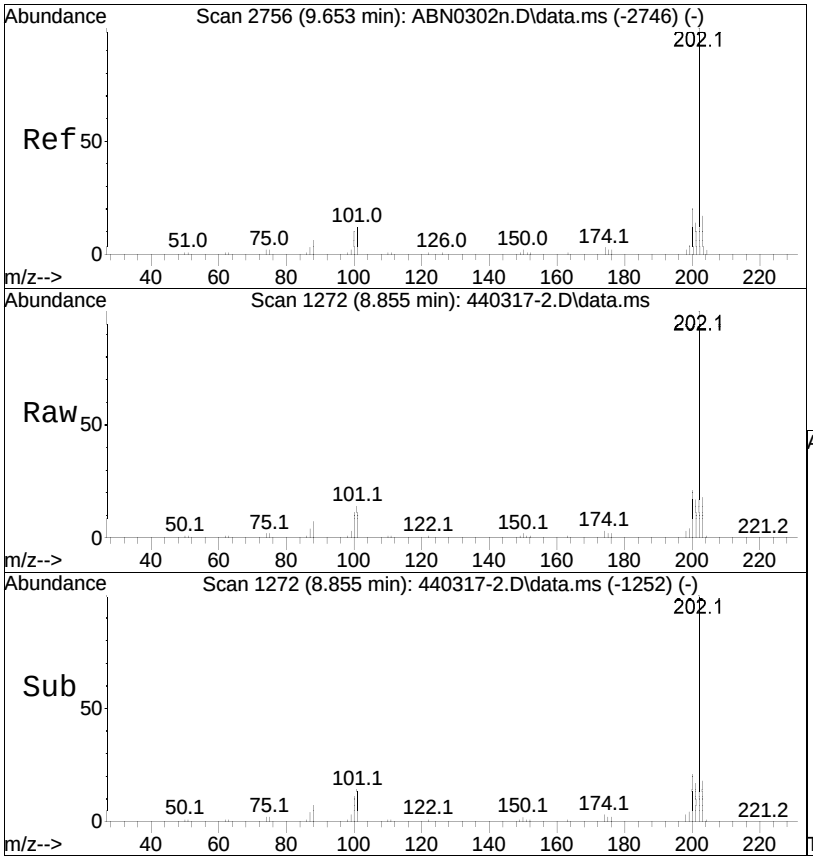


#92
Di-n-butylphthalate
Concen: 33.06 ug/ml
RT: 8.367 min Scan# 1189
Delta R.T. 0.000 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:149 Resp: 1060426

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.8	11.6
104	4.2	4.8	7.2#

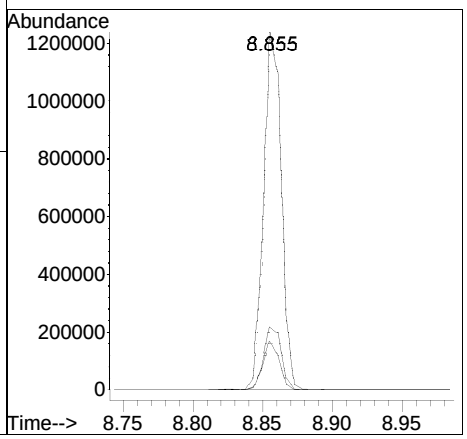


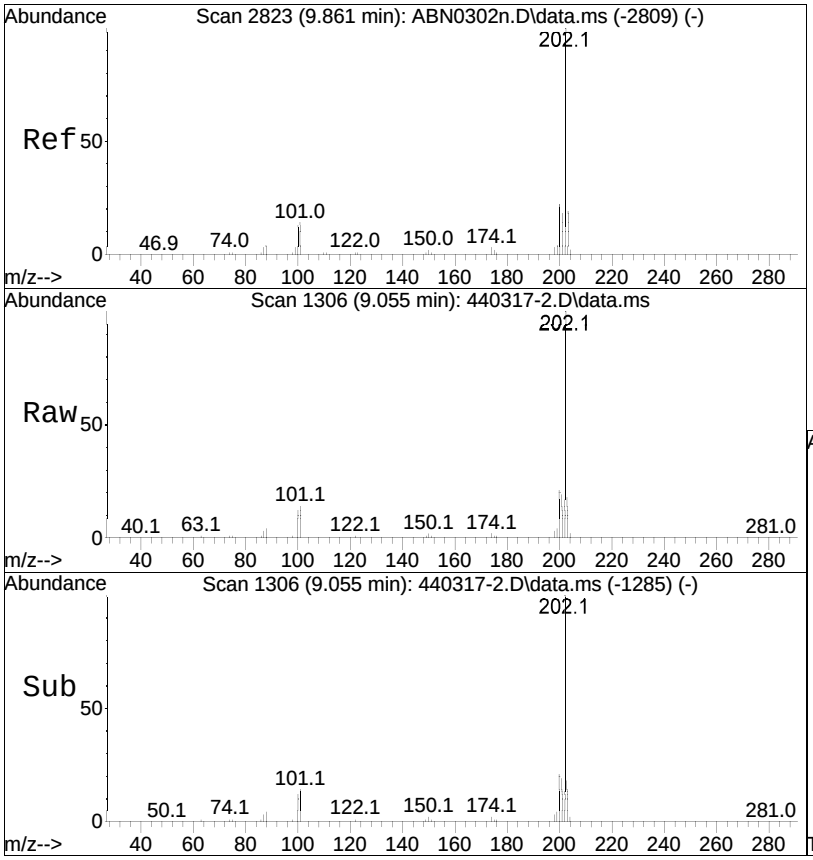


#93
Fluoranthene
Concen: 32.04 ug/ml
RT: 8.855 min Scan# 1272
Delta R.T. -0.006 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:202 Resp: 1078651

Ion	Ratio	Lower	Upper
202	100		
101	12.9	18.6	28.0#
203	18.0	14.2	21.2

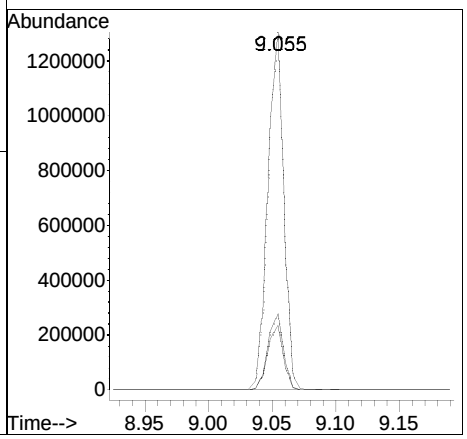


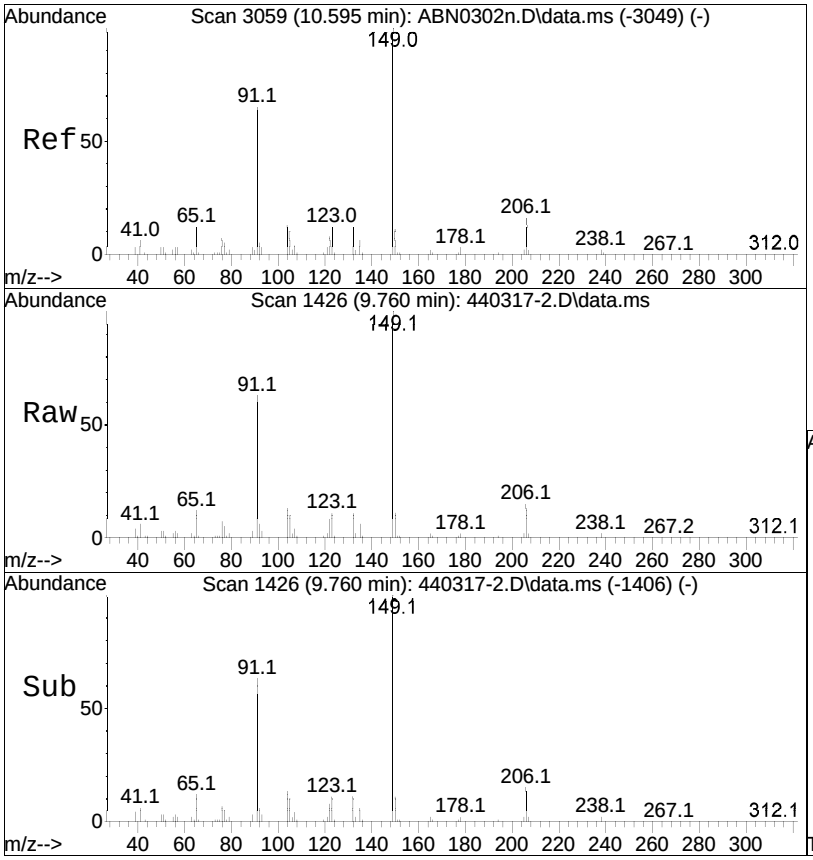


#95
Pyrene
Concen: 31.34 ug/ml
RT: 9.055 min Scan# 1306
Delta R.T. 0.000 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:202 Resp: 1111697

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.8	26.8
203	18.1	14.7	22.1

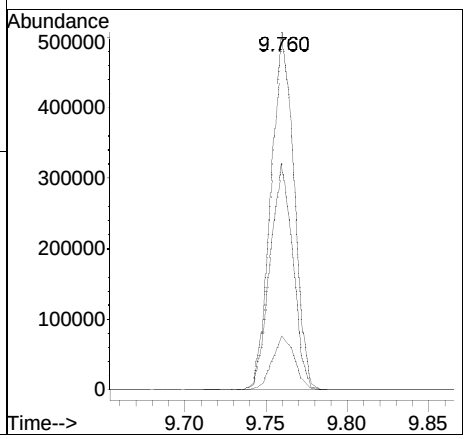


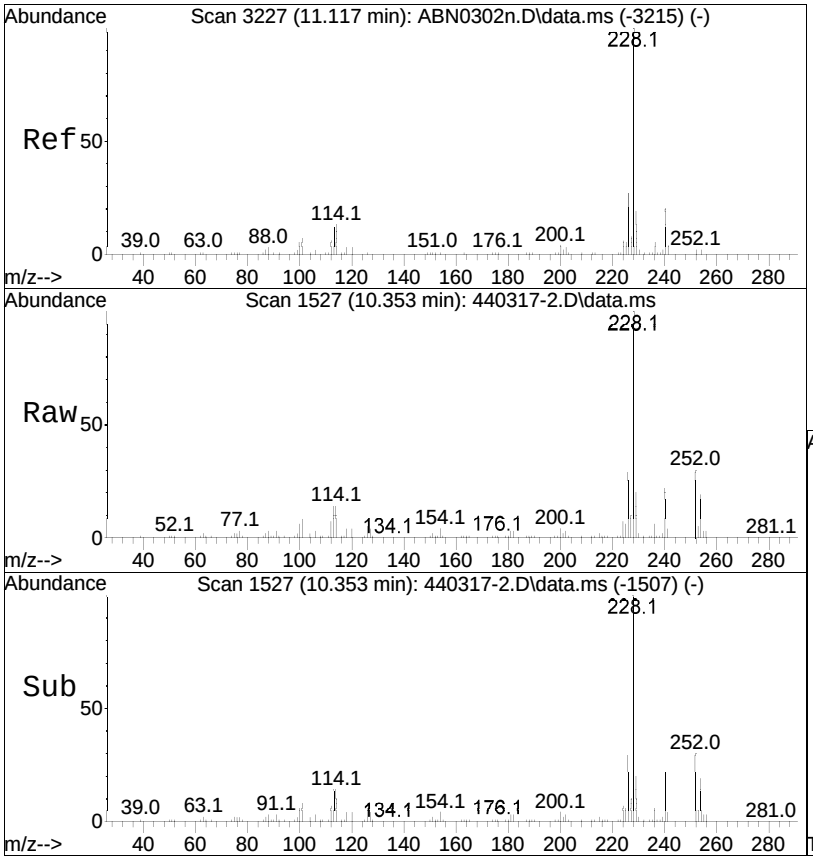


#97
Butyl benzyl phthalate
Concen: 33.98 ug/ml
RT: 9.760 min Scan# 1426
Delta R.T. -0.006 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:149 Resp: 492729

Ion	Ratio	Lower	Upper
149	100		
91	63.2	69.0	103.6#
206	14.8	11.8	17.8

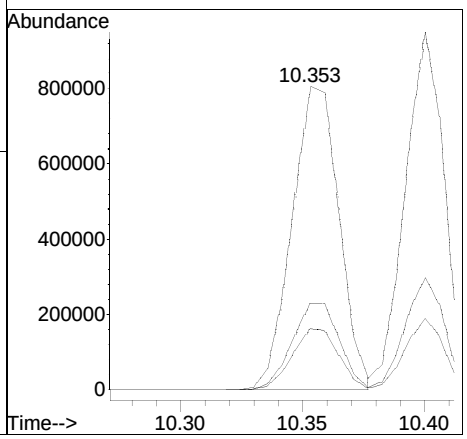


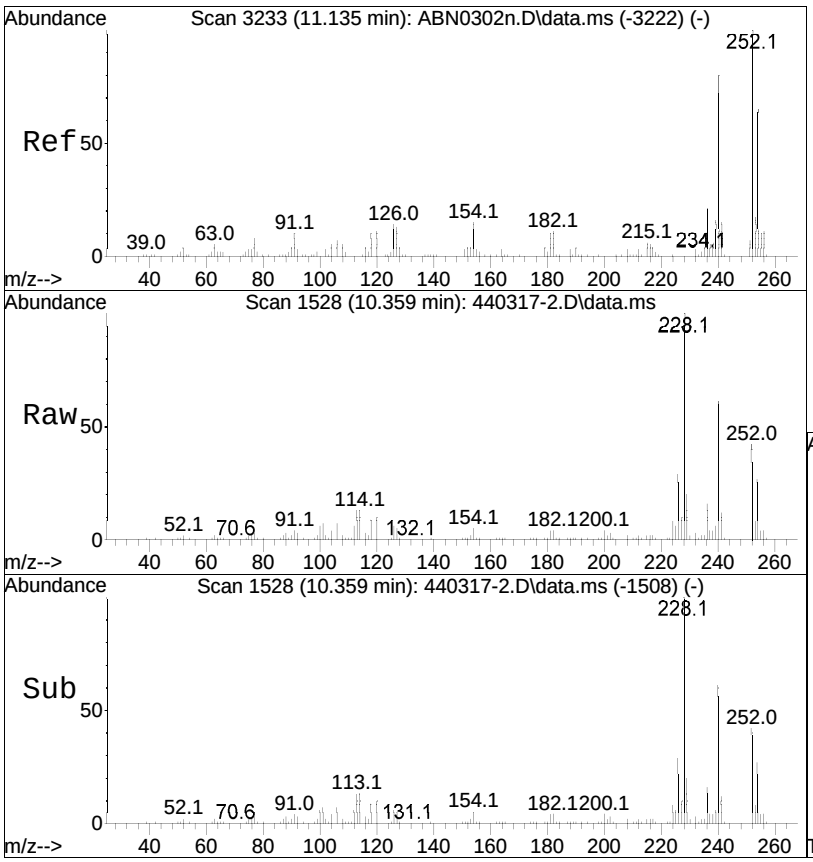


#105
Benzo(a)anthracene
Concen: 30.54 ug/ml
RT: 10.353 min Scan# 1527
Delta R.T. -0.006 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:228 Resp: 1079707

Ion	Ratio	Lower	Upper
228	100		
226	28.7	23.7	35.5
229	20.0	16.2	24.4

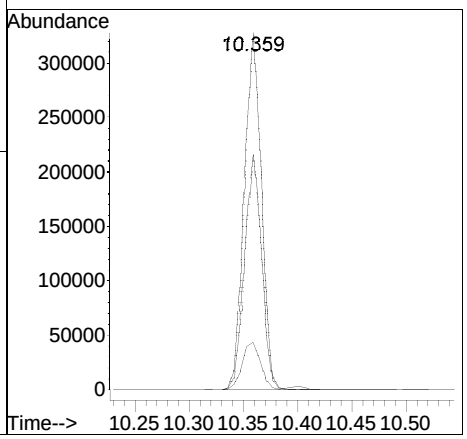


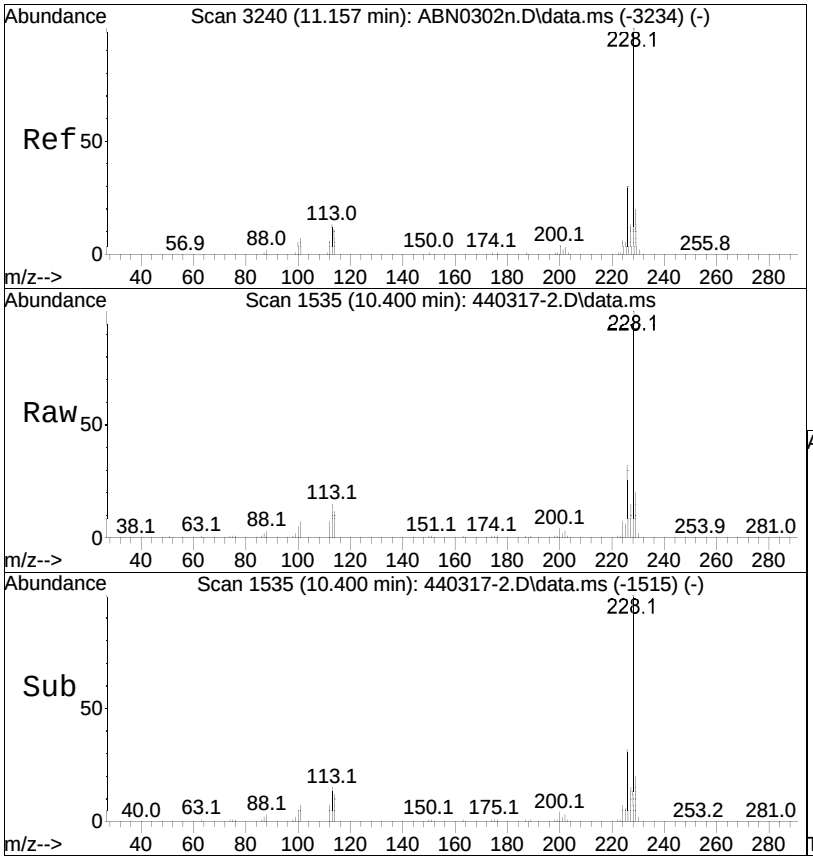


#106
3,3'-Dichlorobenzidine
Concen: 26.95 ug/ml
RT: 10.359 min Scan# 1528
Delta R.T. -0.006 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:252 Resp: 355762

Ion	Ratio	Lower	Upper
252	100		
126	14.5	17.8	26.6#
254	65.3	51.8	77.6

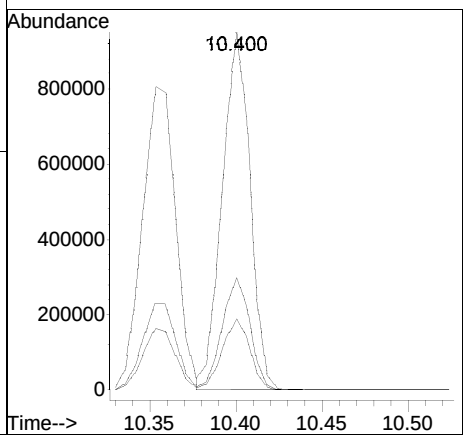


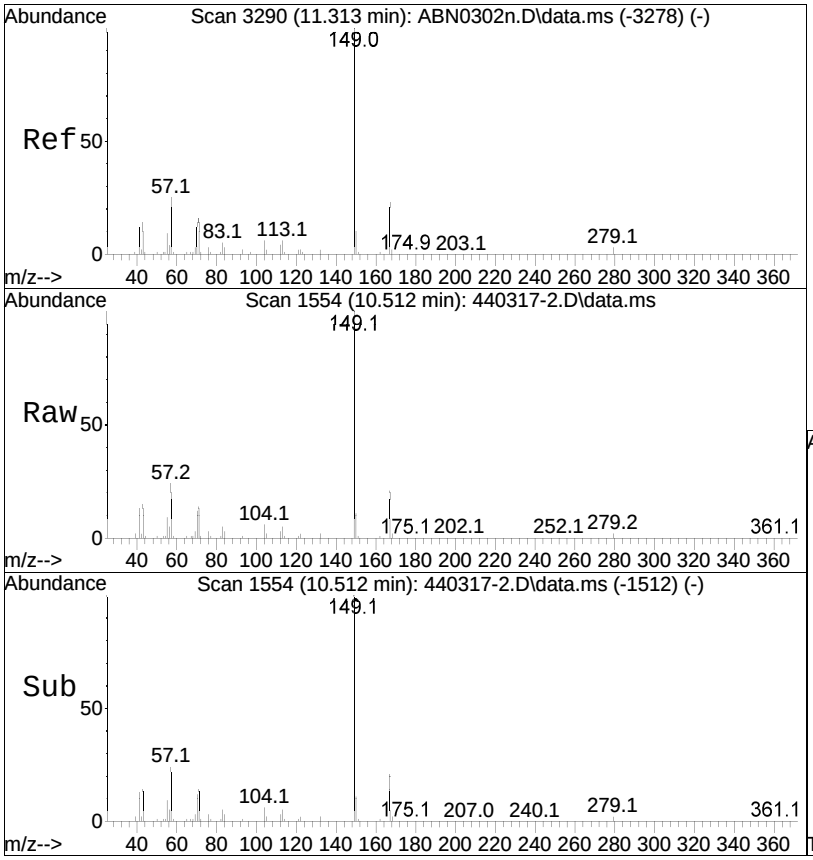


#107
Chrysene
Concen: 32.27 ug/ml
RT: 10.400 min Scan# 1535
Delta R.T. -0.006 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:228 Resp: 1064634

Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.9	38.9
229	19.7	16.2	24.4

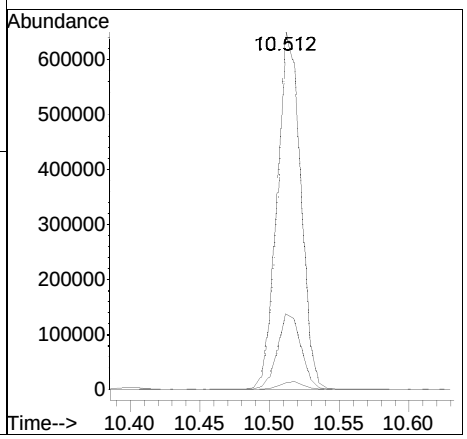


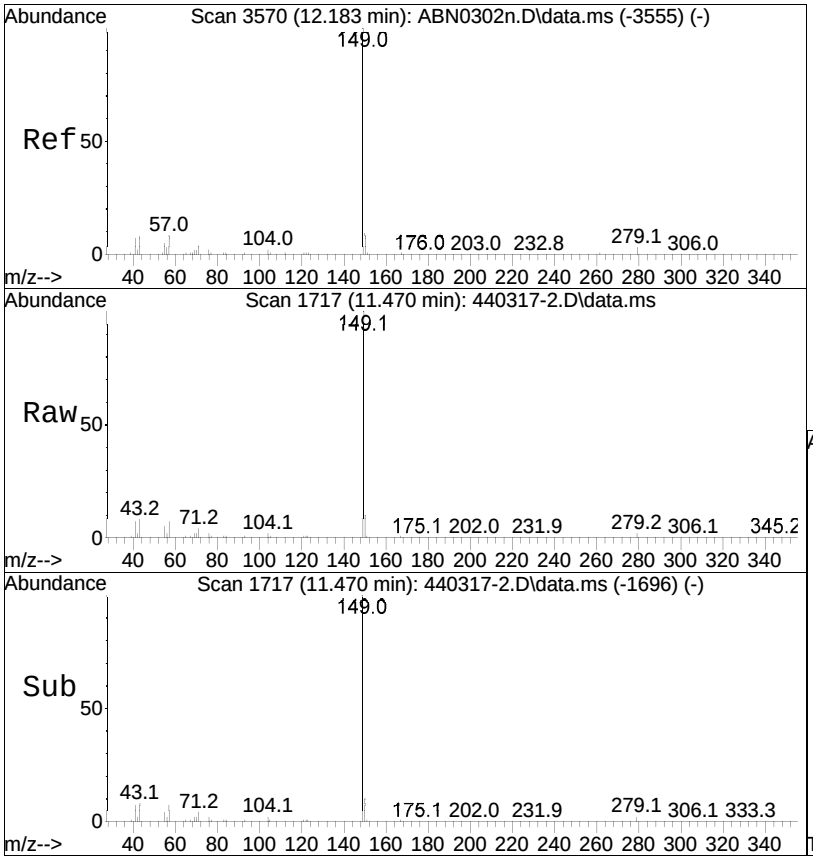


#108
Bis(2-ethylhexyl)phthalate
Concen: 35.21 ug/ml
RT: 10.512 min Scan# 1554
Delta R.T. -0.006 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:149 Resp: 755410

Ion	Ratio	Lower	Upper
149	100		
167	21.5	21.0	31.4
279	2.0	3.6	5.4#

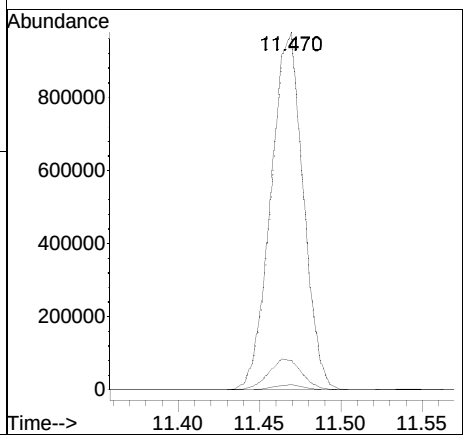


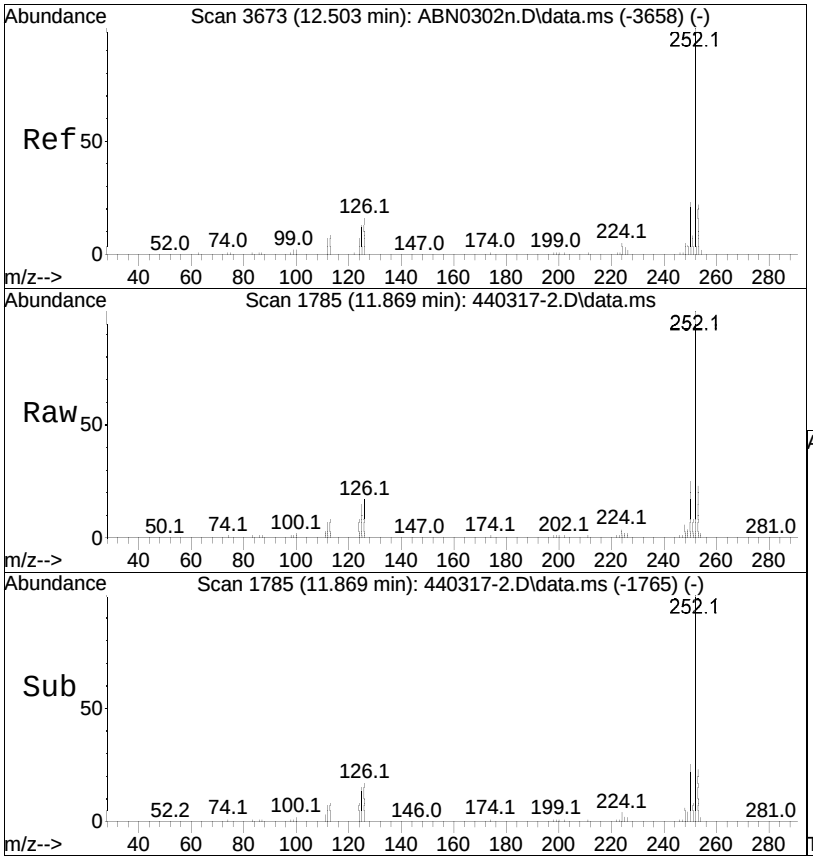


#109
Di-n-octylphthalate
Concen: 36.32 ug/ml
RT: 11.470 min Scan# 1717
Delta R.T. 0.000 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:149 Resp: 1334524

Ion	Ratio	Lower	Upper
149	100		
43	8.8	8.4	12.6
167	1.3	1.0	1.6

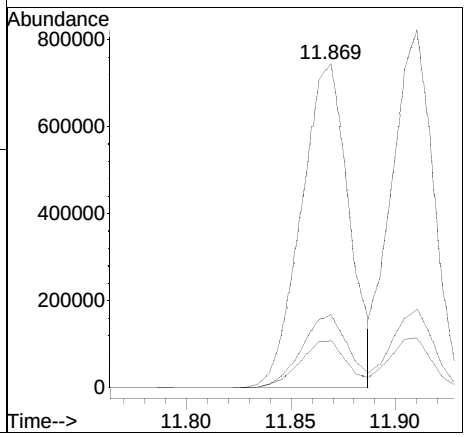


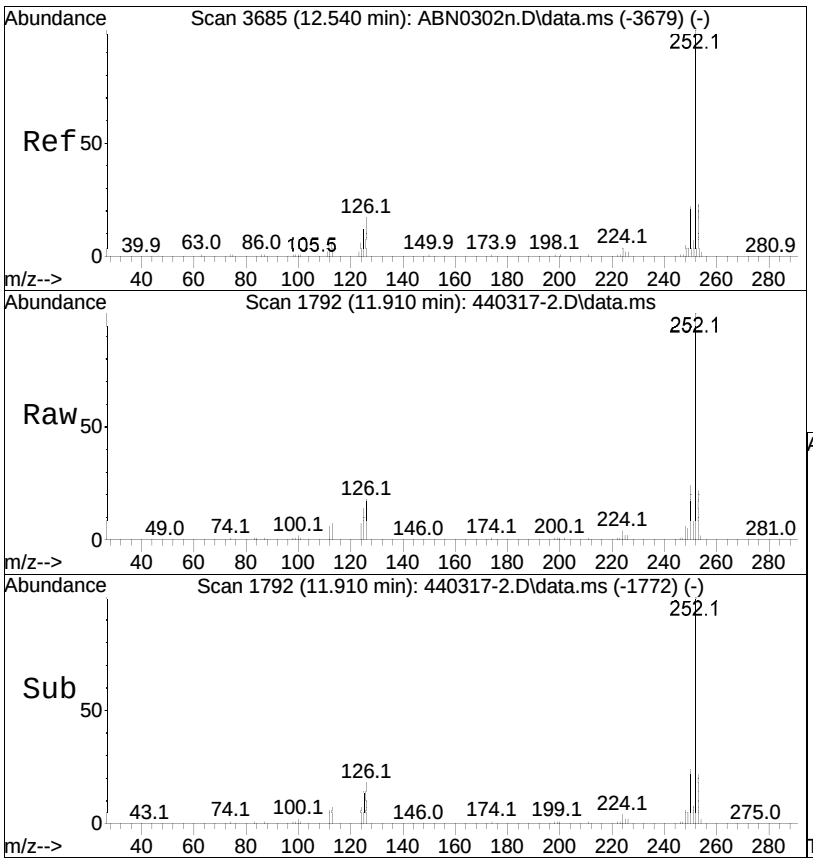


#110
Benzo(b)fluoranthene
Concen: 33.17 ug/ml
RT: 11.869 min Scan# 1785
Delta R.T. -0.006 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:252 Resp: 1187554

Ion	Ratio	Lower	Upper
252	100		
125	14.6	16.9	25.3#
253	22.2	17.7	26.5

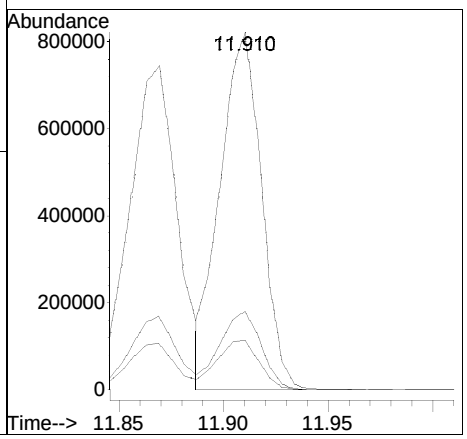


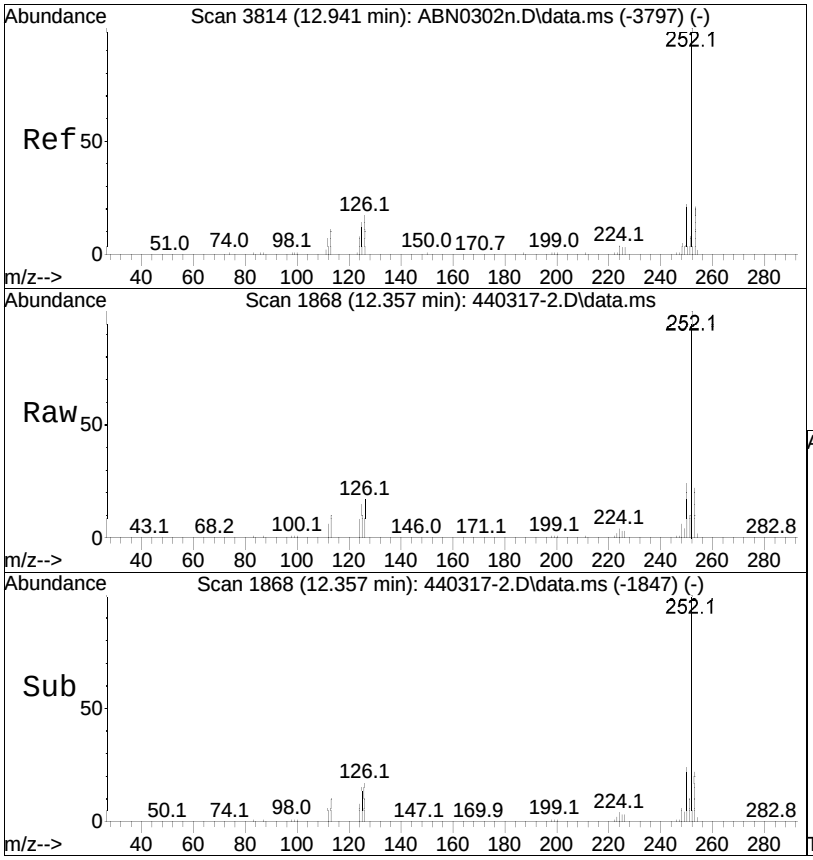


#111
Benzo(k)fluoranthene
Concen: 33.58 ug/ml
RT: 11.910 min Scan# 1792
Delta R.T. -0.006 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:252 Resp: 1127094

Ion	Ratio	Lower	Upper
252	100		
125	14.2	16.6	25.0#
253	22.0	17.7	26.5

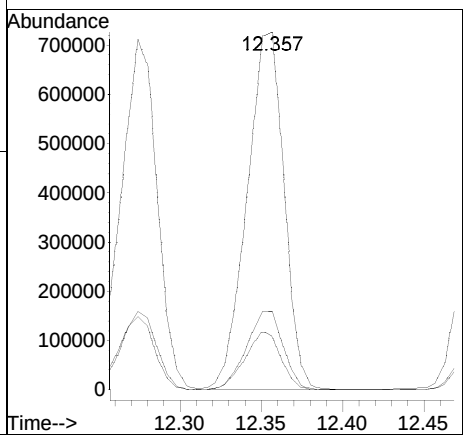


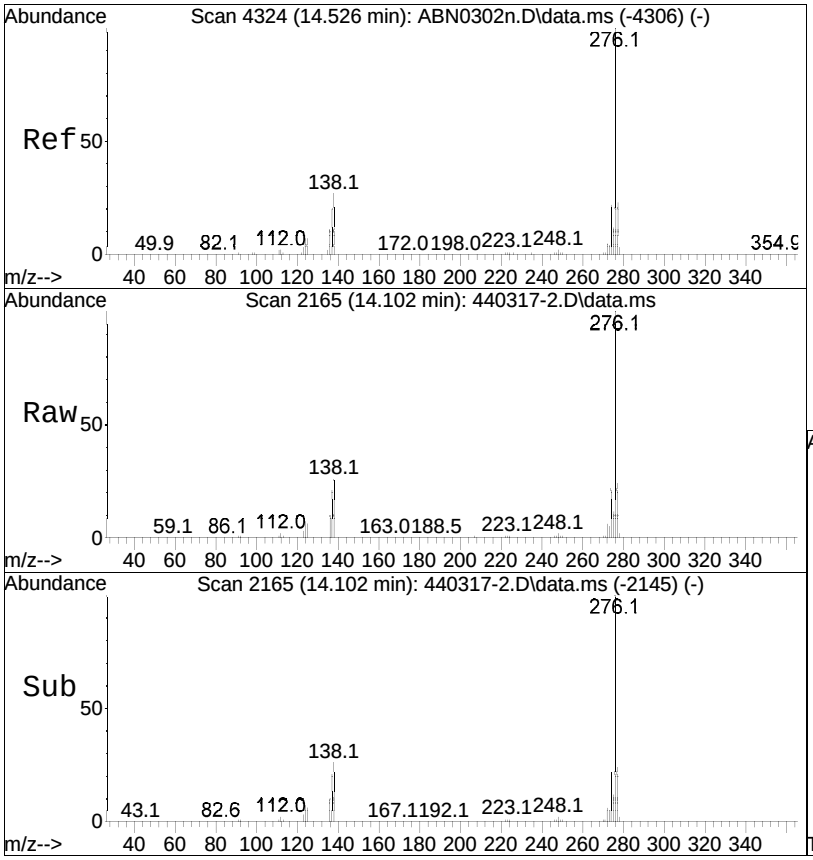


#112
Benzo(a)pyrene
Concen: 37.78 ug/ml
RT: 12.357 min Scan# 1868
Delta R.T. 0.000 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:252 Resp: 1147336

Ion	Ratio	Lower	Upper
252	100		
125	15.9	18.3	27.5#
253	21.9	17.6	26.4

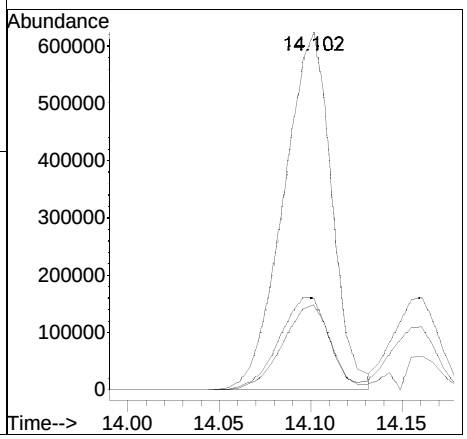


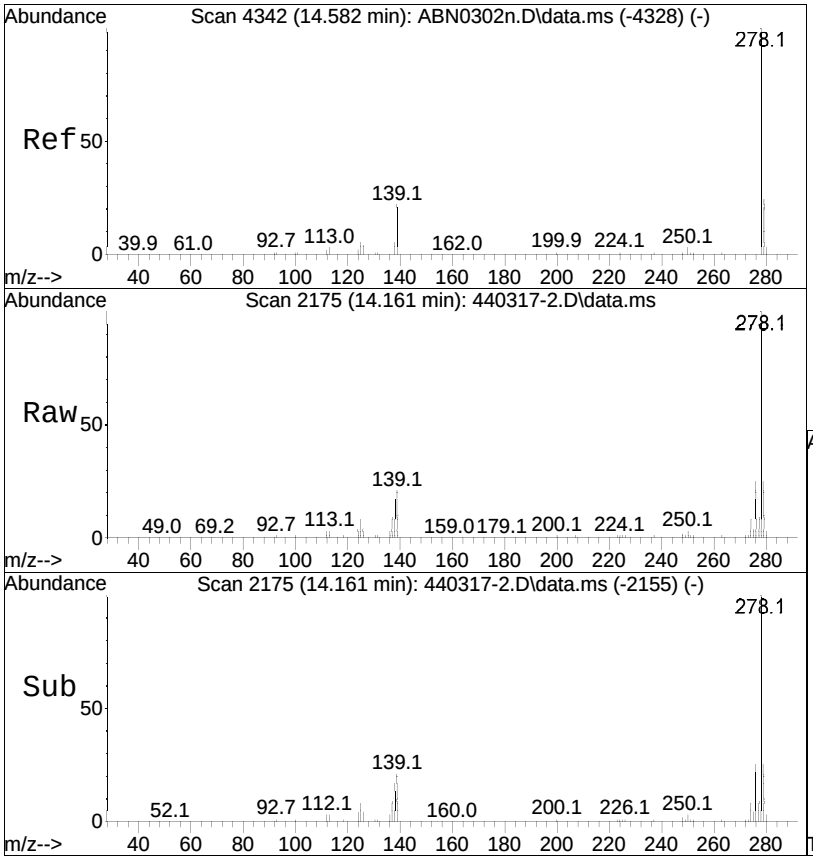


#114
Indeno(1,2,3-cd)pyrene
Concen: 34.01 ug/mL
RT: 14.102 min Scan# 2165
Delta R.T. -0.006 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:276 Resp: 1131360

Ion	Ratio	Lower	Upper
276	100		
138	27.0	29.6	44.4#
277	23.9	19.1	28.7

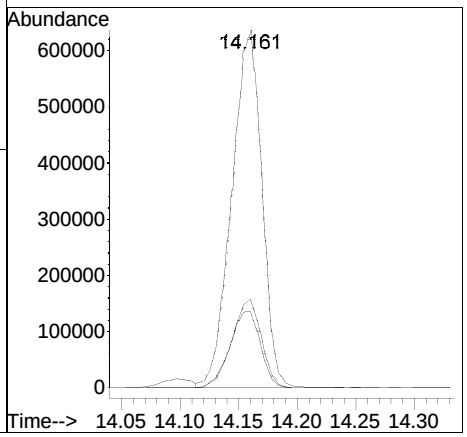


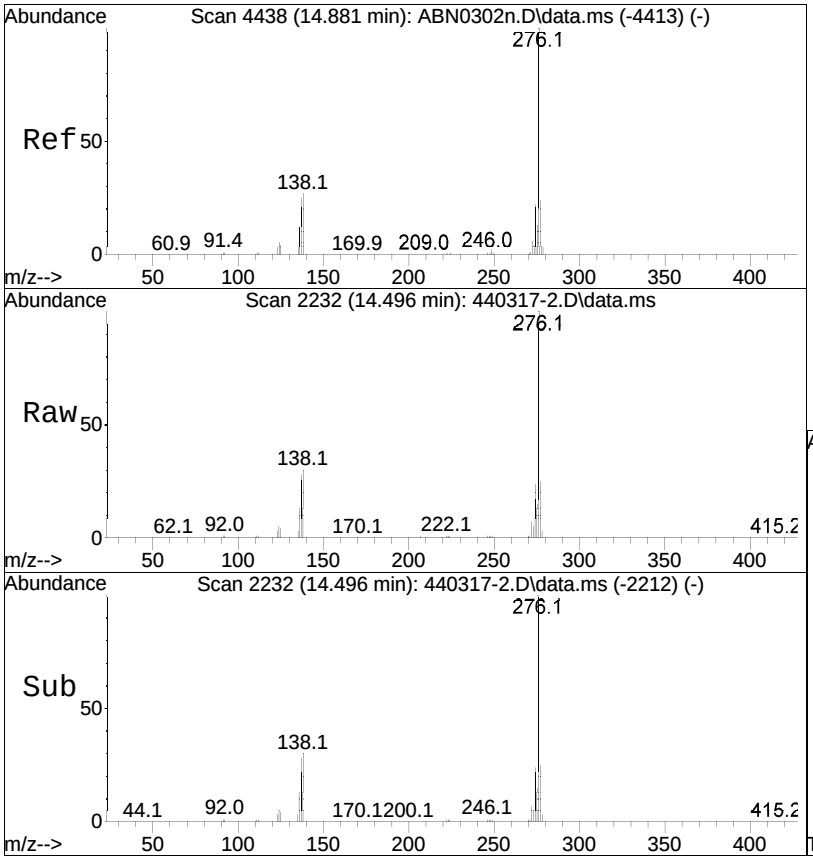


#115
Dibenzo(a,h)anthracene
Concen: 33.14 ug/ml
RT: 14.161 min Scan# 2175
Delta R.T. -0.006 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:278 Resp: 1127611

Ion	Ratio	Lower	Upper
278	100		
139	21.9	24.7	37.1#
279	24.6	19.6	29.4

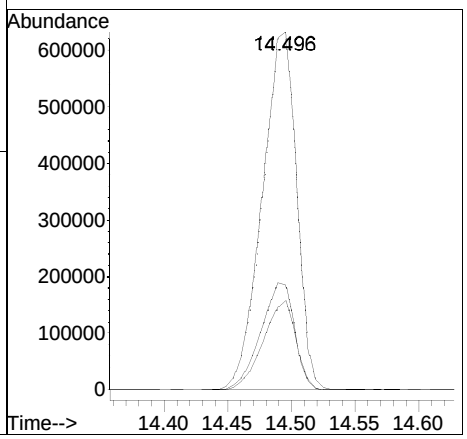




#116
Benzo(ghi)perylene
Concen: 33.10 ug/ml
RT: 14.496 min Scan# 2232
Delta R.T. -0.006 min
Lab File: 440317-2.D
Acq: 3 Dec 2020 9:34 am

Tgt Ion:276 Resp: 1177943

Ion	Ratio	Lower	Upper
276	100		
138	29.7	43.5	65.3#
277	24.2	22.6	33.8

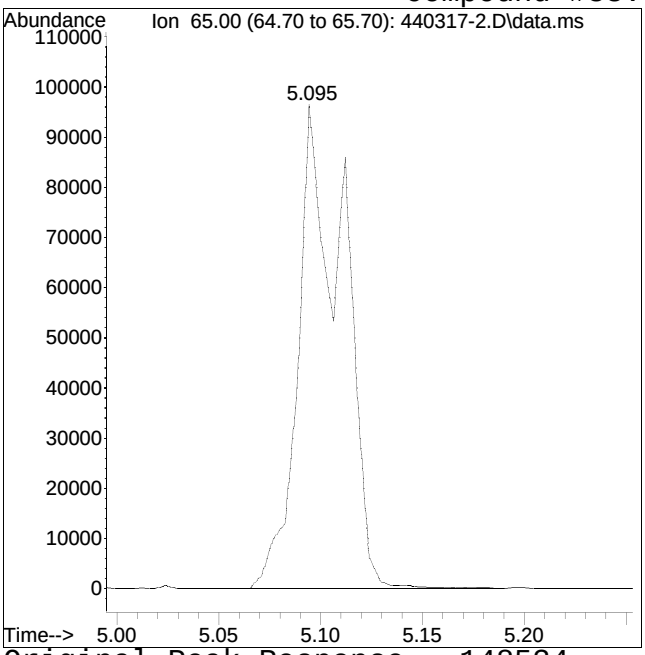


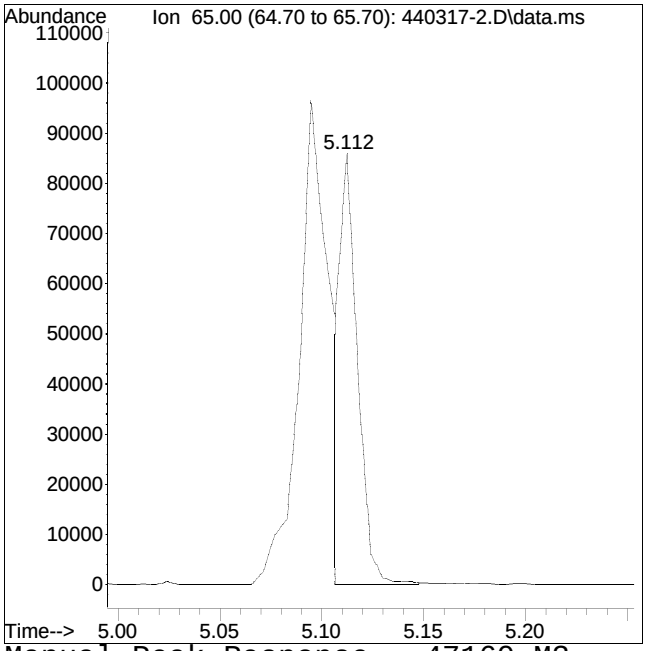
Manual Integration Report

Data Path : I:\8270\Buffy\201203\
Data File : 440317-2.D
Date Inj'd : 12/3/2020 9:34 am
Sample : WG1440317-2,32,,AM,

QMethod : FS201120buffy.m
Operator : Buffy:jg
Instrument : Buffy
Quant Date : 12/3/2020 12:49 pm

Compound #38: 4-Chloroaniline





Original Peak Response = 148534 Manual Peak Response = 47160 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201203\
Data File : 440317-3.D
Acq On : 3 Dec 2020 9:57 am
Operator : Buffy:jg
Sample : WG1440317-3,32,,am
Misc : wg1440617,WG1440317,ical17377
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 04 14:59:37 2020
Quant Method : I:\8270\Buffy\201203\FS201120buffy.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 03 12:48:08 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201203\ABN1203a.D
: 2 - I:\8270\Buffy\201203\ADP1203.D
: 3 - I:\8270\Buffy\201203\AP91203.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.961	152	203118	40.000	ug/ml	0.00
Standard Area 1 = 197138			Recovery = 103.03%			
27) IS2_1,4-Dichlorobenzen...	3.961	152	203118	40.000	ug/ml	0.00
Standard Area 3 = 207397			Recovery = 97.94%			
32) IS3_1,4-Dichlorobenzen...	3.961	152	203118	40.000	ug/ml	0.00
Standard Area 2 = 195628			Recovery = 103.83%			
35) IS1_Naphthalene-d8	5.036	136	802768	40.000	ug/ml	0.00
Standard Area 1 = 800181			Recovery = 100.32%			
55) IS2_Naphthalene-d8	5.036	136	802768	40.000	ug/ml	0.00
Standard Area 3 = 813715			Recovery = 98.65%			
63) IS1_Acenaphthene-d10	6.540	164	487797	40.000	ug/ml	0.00
Standard Area 1 = 485357			Recovery = 100.50%			
83) IS2_Acenaphthene-d10	6.540	164	487797	40.000	ug/ml	0.00
Standard Area 3 = 484202			Recovery = 100.74%			
86) IS3_Acenaphthene-d10	6.540	164	487797	40.000	ug/ml	0.00
Standard Area 2 = 456868			Recovery = 106.77%			
88) IS1_Phenanthrene-d10	7.815	188	1006593	40.000	ug/ml	0.00
Standard Area 1 = 1010214			Recovery = 99.64%			
100) IS3_Phenanthrene-d10	7.815	188	1006593	40.000	ug/ml	0.00
Standard Area 2 = 941073			Recovery = 106.96%			
104) IS1_Chrysene-d12	10.371	240	1100307	40.000	ug/ml	0.00
Standard Area 1 = 1092403			Recovery = 100.72%			
113) IS1_Perylene-d12	12.445	264	1193753	40.000	ug/ml	0.00
Standard Area 1 = 1203634			Recovery = 99.18%			
System Monitoring Compounds						
4) 2-Fluorophenol	2.909	112	197727	34.297	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery = 68.59%			
7) Phenol-d6	3.690	99	255619	36.980	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery = 73.96%			
19) Nitrobenzene-d5	4.431	82	109995	17.278	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 69.11%			
46) 2-Fluorobiphenyl	5.976	172	295268	17.095	ug/ml	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 68.38%			
79) 2,4,6-Tribromophenol	7.221	330	109518	33.957	ug/ml	0.00
Spiked Amount 50.000	Range 15 - 110		Recovery = 67.91%			

Data Path : I:\8270\Buffy\201203\
Data File : 440317-3.D
Acq On : 3 Dec 2020 9:57 am
Operator : Buffy:jg
Sample : WG1440317-3,32,,am
Misc : wg1440617,WG1440317,ical17377
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 04 14:59:37 2020
Quant Method : I:\8270\Buffy\201203\FS201120buffy.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 03 12:48:08 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201203\ABN1203a.D
: 2 - I:\8270\Buffy\201203\ADP1203.D
: 3 - I:\8270\Buffy\201203\AP91203.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 4-Terphenyl-d14	9.225	244	446028	17.376	ug/ml	0.00

Spiked Amount 25.000 Range 30 - 130 Recovery = 69.50%

Target Compounds						Qvalue
6) 2-Chlorophenol	3.790	128	190958	28.765	ug/ml	99
8) Phenol	3.702	94	233457	29.698	ug/ml	98
9) Bis(2-chloroethyl)ether	3.761	93	146377	27.238	ug/ml#	80
10) 1,3-Dichlorobenzene	3.914	146	195128	24.607	ug/ml	95
11) 1,4-Dichlorobenzene	3.978	146	201296	25.351	ug/ml	95
12) 1,2-Dichlorobenzene	4.102	146	193764	25.083	ug/ml	94
13) Benzyl alcohol	4.090	79	149076	30.761	ug/ml	99
14) Bis(2-chloroisopropyl)...	4.213	45	252512	28.697	ug/ml#	81
15) 2-Methylphenol	4.207	108	173999	30.639	ug/ml	96
16) Hexachloroethane	4.384	117	71552	23.670	ug/ml#	46
17) n-Nitrosodi-n-propylamine	4.319	70	120799	28.449	ug/ml	93
18) 3-Methylphenol/4-Methy...	4.337	108	188062	31.570	ug/ml	93
20) Nitrobenzene	4.442	77	177246	29.003	ug/ml	95
21) Isophorone	4.654	82	328906	28.515	ug/ml	100
22) 2-Nitrophenol	4.718	139	107411	32.347	ug/ml	94
23) 2,4-Dimethylphenol	4.783	107	203981	32.113	ug/ml	96
24) Bis(2-chloroethoxy)met...	4.854	93	212219	28.330	ug/ml#	96
25) 2,4-Dichlorophenol	4.930	162	185578	31.506	ug/ml#	93
26) 1,2,4-Trichlorobenzene	4.995	180	178758	26.322	ug/ml	98
29) Acetophenone	4.307	105	269468	31.472	ug/ml#	86
33) 1,4-Dioxane	1.599	88	48418	22.495	ug/ml#	81
36) Naphthalene	5.053	128	581564	27.481	ug/ml	100
37) Benzoic Acid	4.854	105	80099M3	15.831	ug/ml	
38) 4-Chloroaniline	5.112	65	42750M3	18.234	ug/ml	
39) Hexachlorobutadiene	5.177	225	103493	24.432	ug/ml	99
40) p-Chloro-m-cresol	5.553	107	186351	32.180	ug/ml	93
41) 2-Methylnaphthalene	5.647	142	421091	28.576	ug/ml	92
43) Hexachlorocyclopentadiene	5.794	237	141817	26.869	ug/ml	99
44) 2,4,6-Trichlorophenol	5.905	196	144364	31.183	ug/ml	98
45) 2,4,5-Trichlorophenol	5.935	196	160739	31.239	ug/ml	98
47) 2-Chloronaphthalene	6.064	162	411101	28.862	ug/ml	100
48) 2-Nitroaniline	6.164	138	157573	33.913	ug/ml	88
51) Dimethyl phthalate	6.334	163	511445	29.181	ug/ml#	98

Data Path : I:\8270\Buffy\201203\
Data File : 440317-3.D
Acq On : 3 Dec 2020 9:57 am
Operator : Buffy:jg
Sample : WG1440317-3,32,,am
Misc : wg1440617,WG1440317,ical17377
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 04 14:59:37 2020
Quant Method : I:\8270\Buffy\201203\FS201120buffy.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 03 12:48:08 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201203\ABN1203a.D
: 2 - I:\8270\Buffy\201203\ADP1203.D
: 3 - I:\8270\Buffy\201203\AP91203.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Acenaphthylene	6.417	152	715171	28.976	ug/ml	100
53) 2,6-Dinitrotoluene	6.381	165	111639	31.671	ug/ml#	81
61) 1,2,4,5-Tetrachloroben...	5.800	216	206056	28.712	ug/ml	98
62) Biphenyl	6.052	154	542797	31.575	ug/ml	99
64) 3-Nitroaniline	6.516	138	112114	25.958	ug/ml	84
65) Acenaphthene	6.569	154	407602	27.037	ug/ml	93
66) 2,4-Dinitrophenol	6.610	184	63807	28.634	ug/ml#	83
67) Dibenzofuran	6.716	168	654364	29.645	ug/ml	89
68) 2,4-Dinitrotoluene	6.722	165	157186	31.674	ug/ml#	78
69) 4-Nitrophenol	6.687	65	92796	32.423	ug/ml	93
72) Diethyl phthalate	6.951	149	552167	28.606	ug/ml	98
73) Fluorene	7.010	166	533444	29.416	ug/ml	94
74) 4-Chlorophenyl phenyl ...	7.028	204	245919	28.033	ug/ml	88
75) 4-Nitroaniline	7.039	138	127679	29.162	ug/ml	99
76) 4,6-Dinitro-o-cresol	7.075	198	89085	32.435	ug/ml#	84
77) NDPA/DPA	7.127	169	461284	29.568	ug/ml	99
80) 4-Bromophenyl phenyl e...	7.445	248	157646	28.109	ug/ml#	88
81) Hexachlorobenzene	7.492	284	179751	26.487	ug/ml#	84
82) Pentachlorophenol	7.668	266	113155	30.304	ug/ml	99
89) Phenanthrene	7.833	178	805295	29.436	ug/ml	99
90) Anthracene	7.874	178	834008	29.188	ug/ml	98
91) Carbazole	8.026	167	789905	30.001	ug/ml	99
92) Di-n-butylphthalate	8.367	149	959098	30.463	ug/ml#	97
93) Fluoranthene	8.861	202	987408	29.881	ug/ml#	88
95) Pyrene	9.055	202	1021791	29.349	ug/ml	98
97) Butyl benzyl phthalate	9.760	149	458575	32.222	ug/ml#	78
105) Benzo(a)anthracene	10.353	228	996560	28.235	ug/ml	99
106) 3,3'-Dichlorobenzidine	10.359	252	323059	24.517	ug/ml#	95
107) Chrysene	10.400	228	968784	29.411	ug/ml	98
108) Bis(2-ethylhexyl)phtha...	10.512	149	699847	32.670	ug/ml#	92
109) Di-n-octylphthalate	11.464	149	1235777	33.684	ug/ml	96
110) Benzo(b)fluoranthene	11.869	252	1090826	30.520	ug/ml#	93
111) Benzo(k)fluoranthene	11.910	252	1036045	30.916	ug/ml#	93
112) Benzo(a)pyrene	12.351	252	1056415	34.841	ug/ml#	92
114) Indeno(1,2,3-cd)pyrene	14.096	276	1040385	31.729	ug/mL#	90
115) Dibenzo(a,h)anthracene	14.155	278	1035070	30.862	ug/ml#	91
116) Benzo(ghi)perylene	14.490	276	1083611	30.896	ug/ml#	75

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201203\
Data File : 440317-3.D
Acq On : 3 Dec 2020 9:57 am
Operator : Buffy:jg
Sample : WG1440317-3,32,,am
Misc : wg1440617,WG1440317,ical17377
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 04 14:59:37 2020
Quant Method : I:\8270\Buffy\201203\FS201120buffy.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 03 12:48:08 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Buffy\201203\ABN1203a.D
: 2 - I:\8270\Buffy\201203\ADP1203.D
: 3 - I:\8270\Buffy\201203\AP91203.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

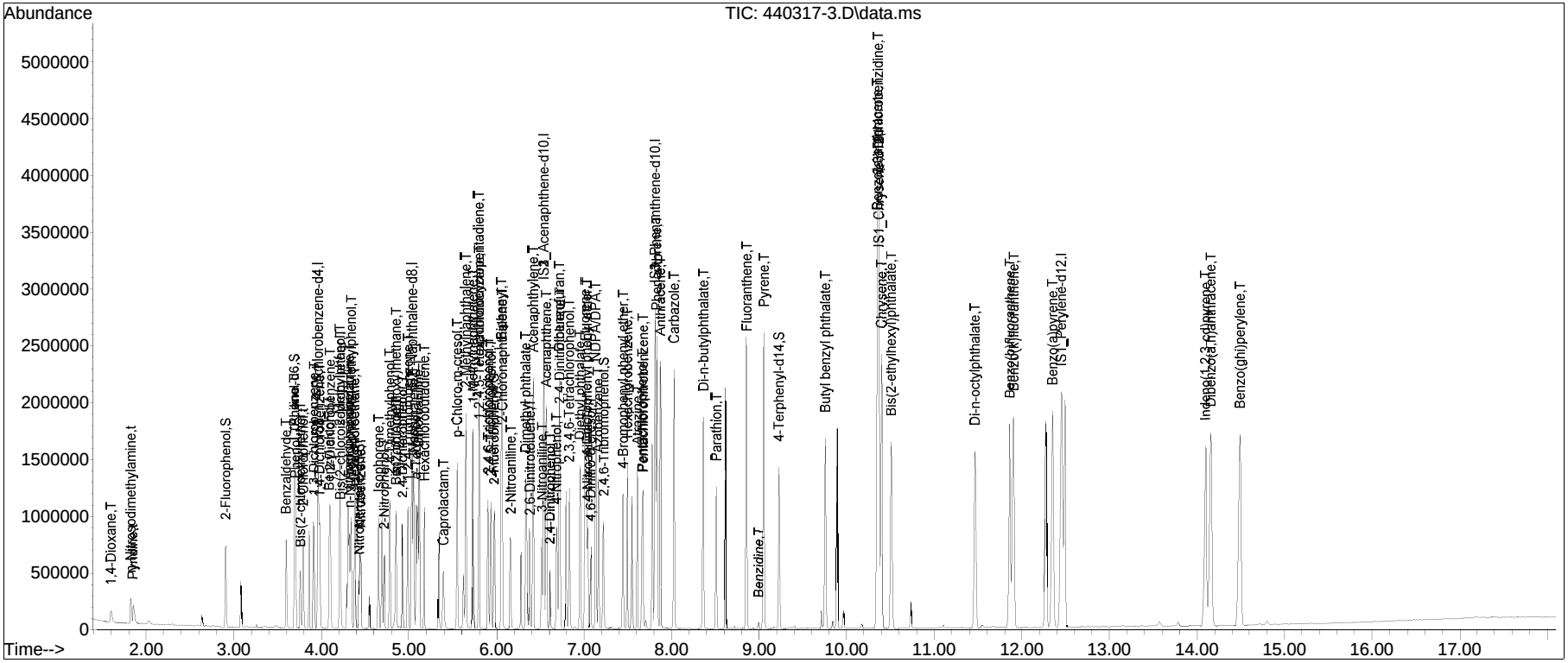
(#) = qualifier out of range (m) = manual integration (+) = signals summed

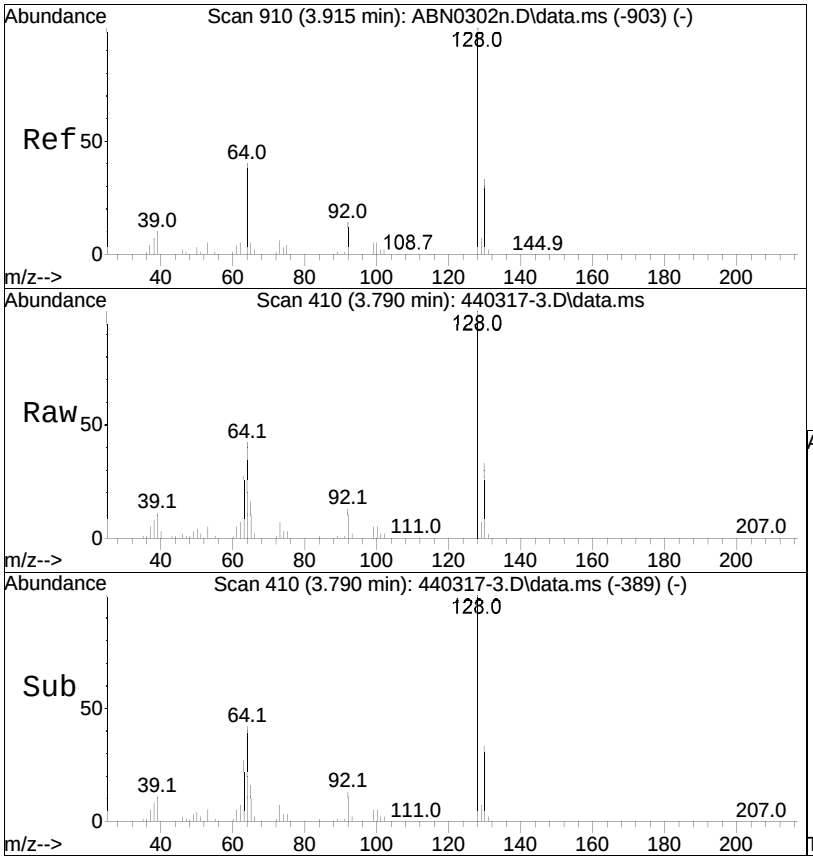
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Buffy\201203\
Data File : 440317-3.D
Acq On : 3 Dec 2020 9:57 am
Operator : Buffy:jg
Sample : WG1440317-3,32,,am
Misc : wg1440617,WG1440317,ical17377
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 04 14:59:37 2020
Quant Method : I:\8270\Buffy\201203\FS201120buffy.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 03 12:48:08 2020
Response via : Initial Calibration

Sub List : 8270TCL_REV2 - TCL/CT/MA\AP91203.D••

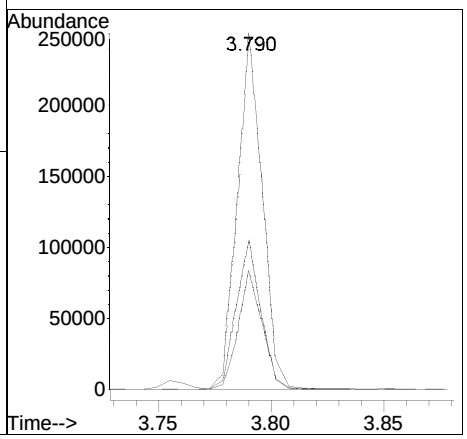


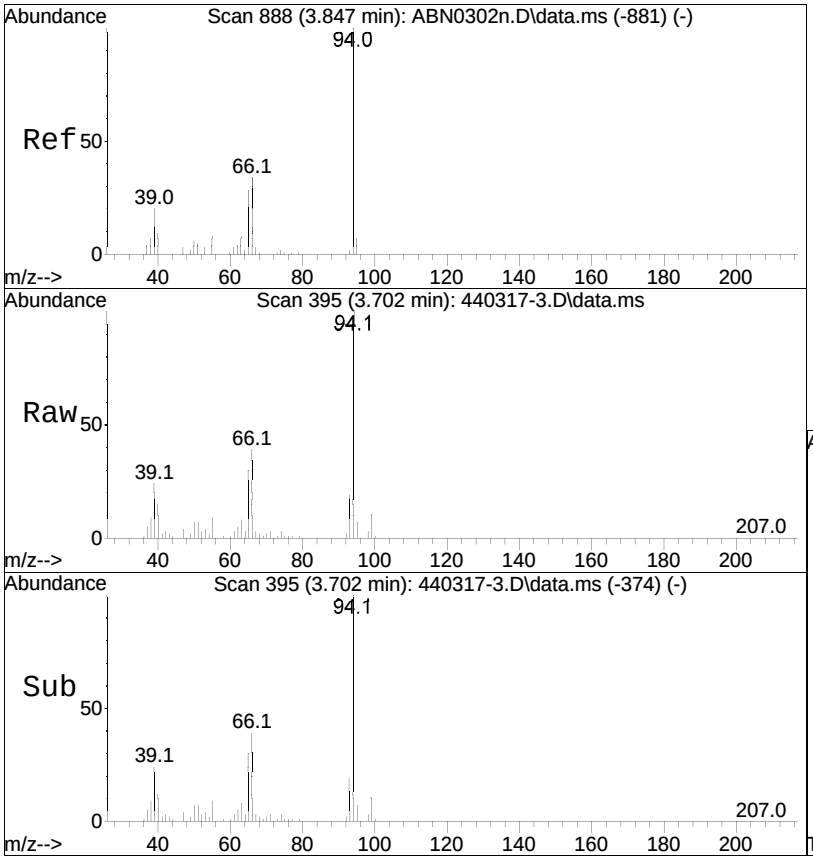


#6
2-Chlorophenol
Concen: 28.76 ug/ml
RT: 3.790 min Scan# 410
Delta R.T. 0.000 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:128 Resp: 190958

Ion	Ratio	Lower	Upper
128	100		
64	41.6	32.7	49.1
130	32.6	26.4	39.6

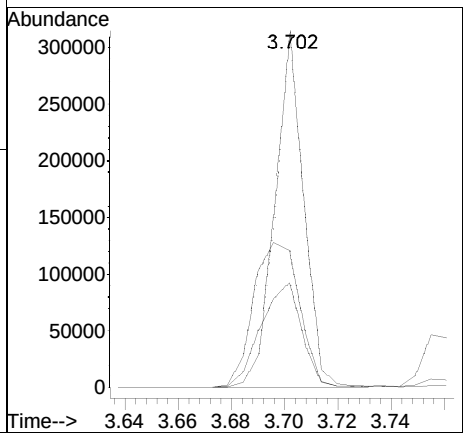


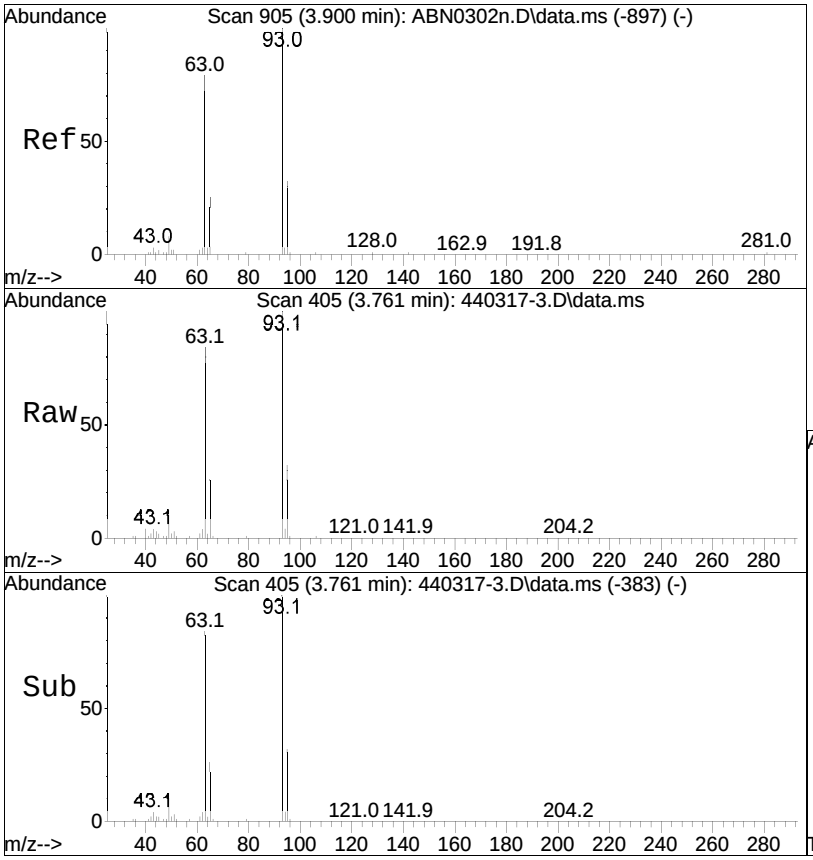


#8
Phenol
Concen: 29.70 ug/ml
RT: 3.702 min Scan# 395
Delta R.T. 0.000 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion: 94 Resp: 233457

Ion	Ratio	Lower	Upper
94	100		
65	42.5	34.2	51.4
66	65.8	54.4	81.6

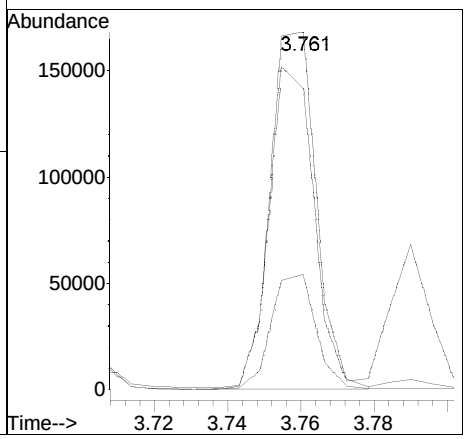


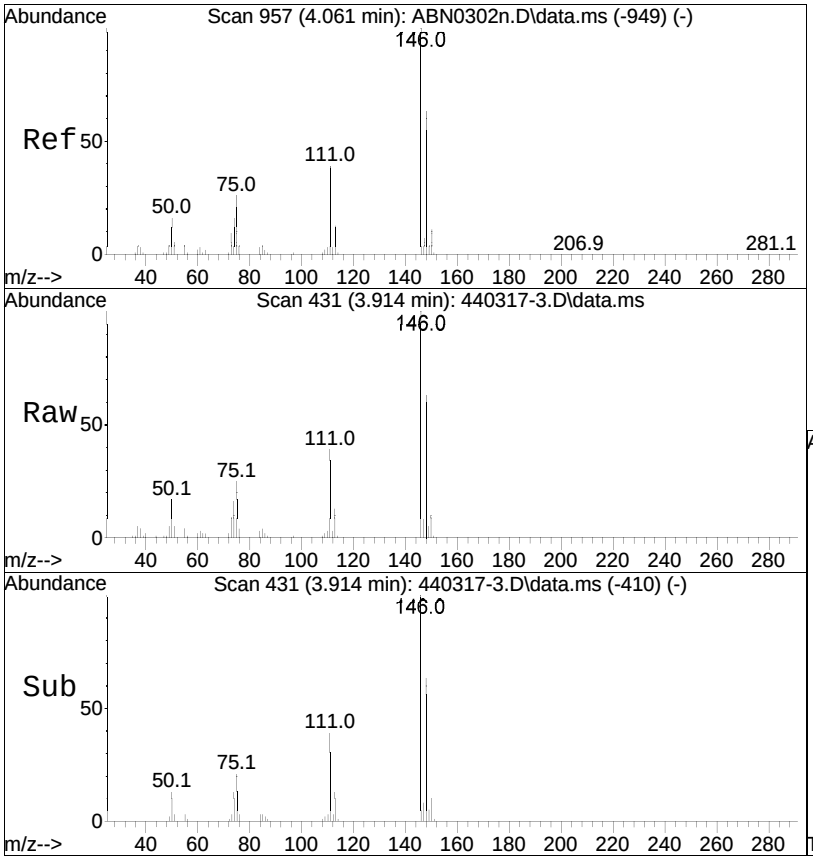


#9
Bis(2-chloroethyl)ether
Concen: 27.24 ug/ml
RT: 3.761 min Scan# 405
Delta R.T. 0.006 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion: 93 Resp: 146377

Ion	Ratio	Lower	Upper
93	100		
63	87.8	51.7	77.5#
95	32.1	26.1	39.1

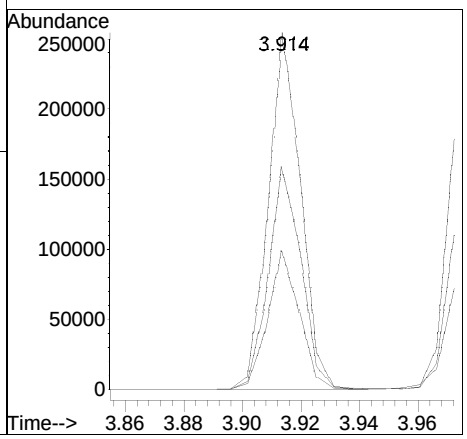


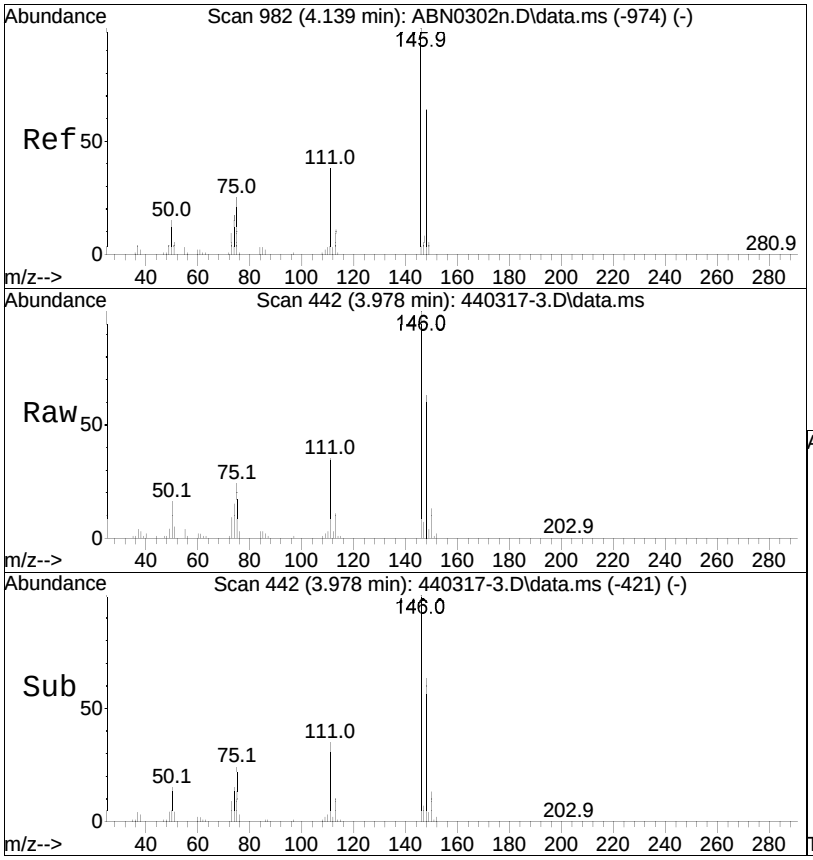


#10
1,3-Dichlorobenzene
Concen: 24.61 ug/ml
RT: 3.914 min Scan# 431
Delta R.T. 0.000 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:146 Resp: 195128

Ion	Ratio	Lower	Upper
146	100		
111	38.0	36.0	54.0
148	62.7	49.8	74.6

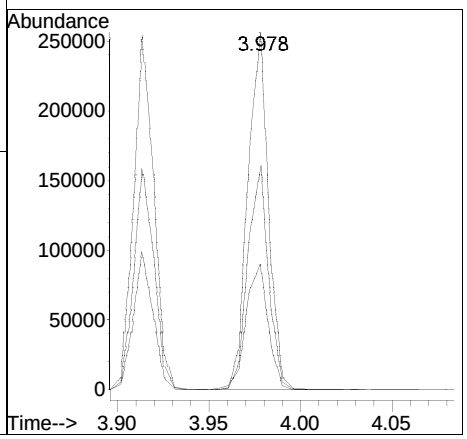


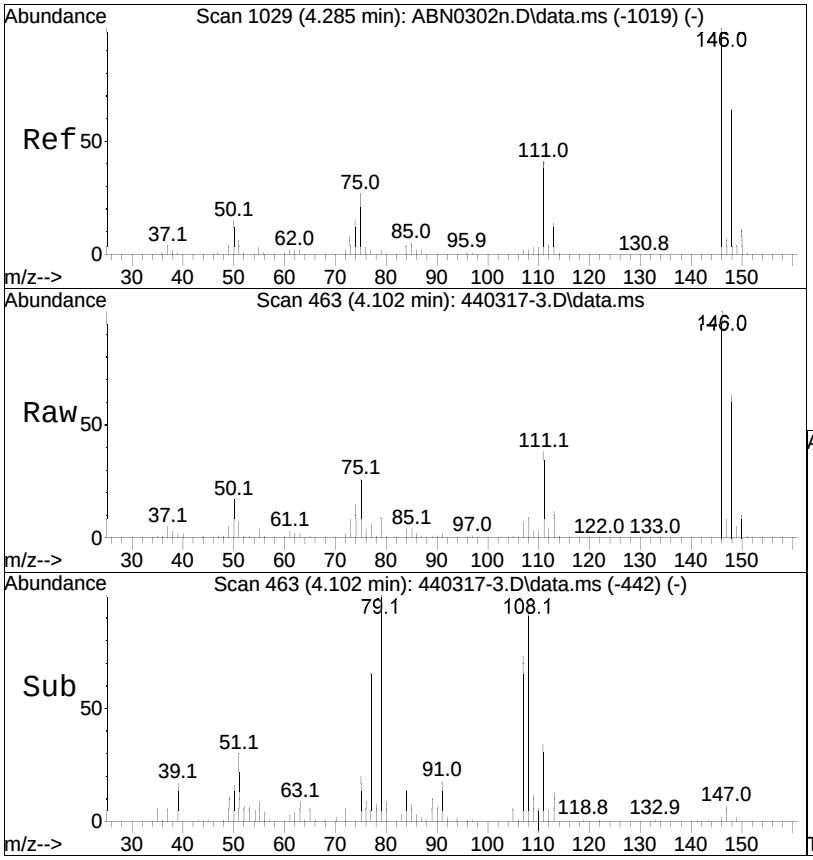


#11
1,4-Dichlorobenzene
Concen: 25.35 ug/ml
RT: 3.978 min Scan# 442
Delta R.T. 0.000 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:146 Resp: 201296

Ion	Ratio	Lower	Upper
146	100		
148	62.6	50.7	76.1
111	37.8	35.8	53.6

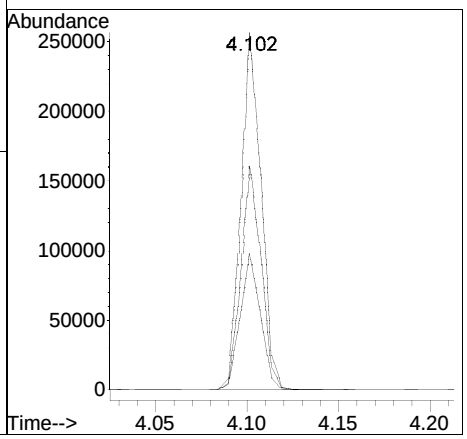


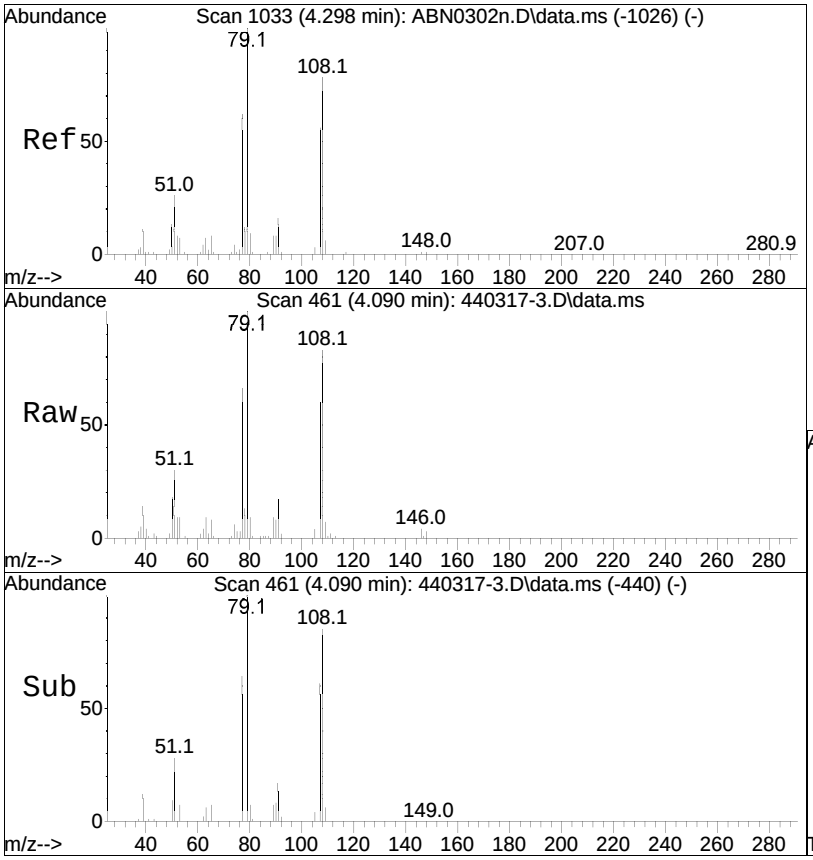


#12
1,2-Dichlorobenzene
Concen: 25.08 ug/ml
RT: 4.102 min Scan# 463
Delta R.T. 0.000 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:146 Resp: 193764

Ion	Ratio	Lower	Upper
146	100		
111	38.7	37.6	56.4
148	62.9	51.2	76.8

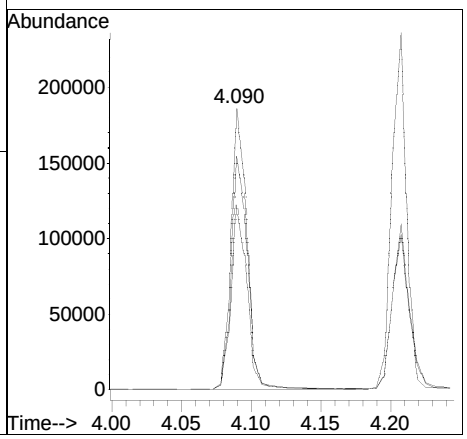


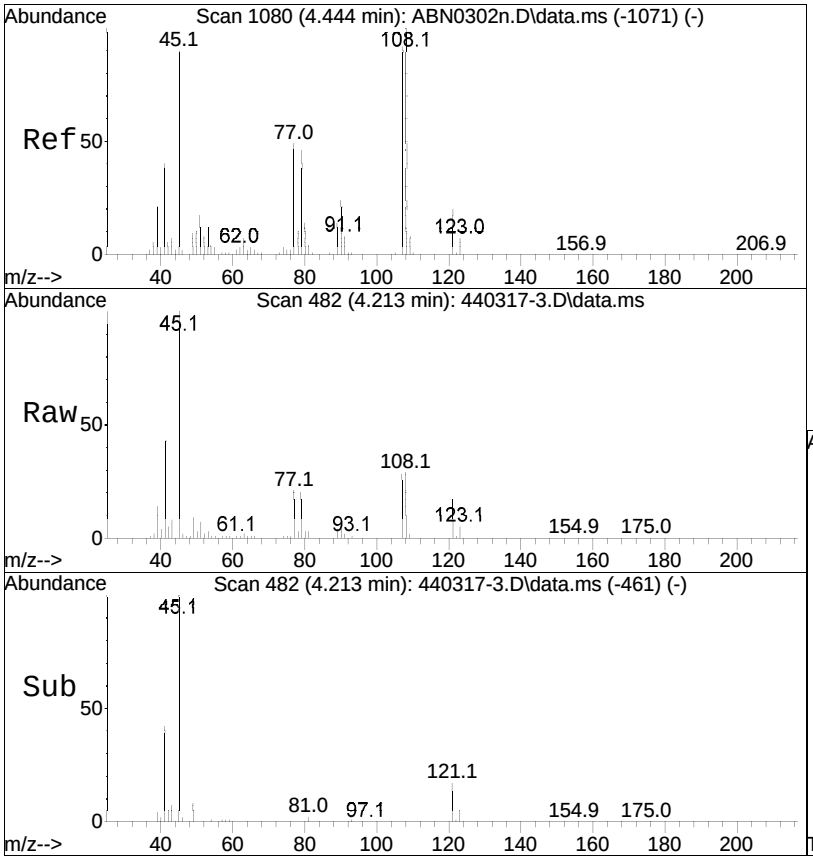


#13
Benzyl alcohol
Concen: 30.76 ug/ml
RT: 4.090 min Scan# 461
Delta R.T. 0.000 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion: 79 Resp: 149076

Ion	Ratio	Lower	Upper
79	100		
77	65.5	53.8	80.8
108	84.0	67.3	100.9

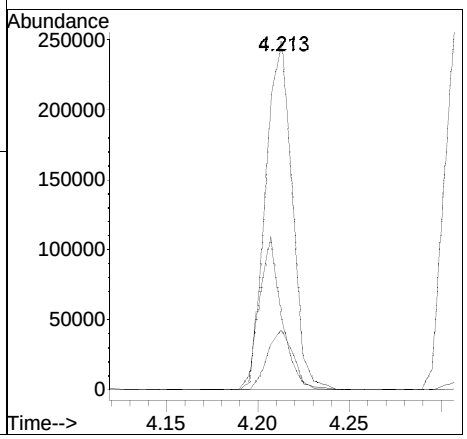


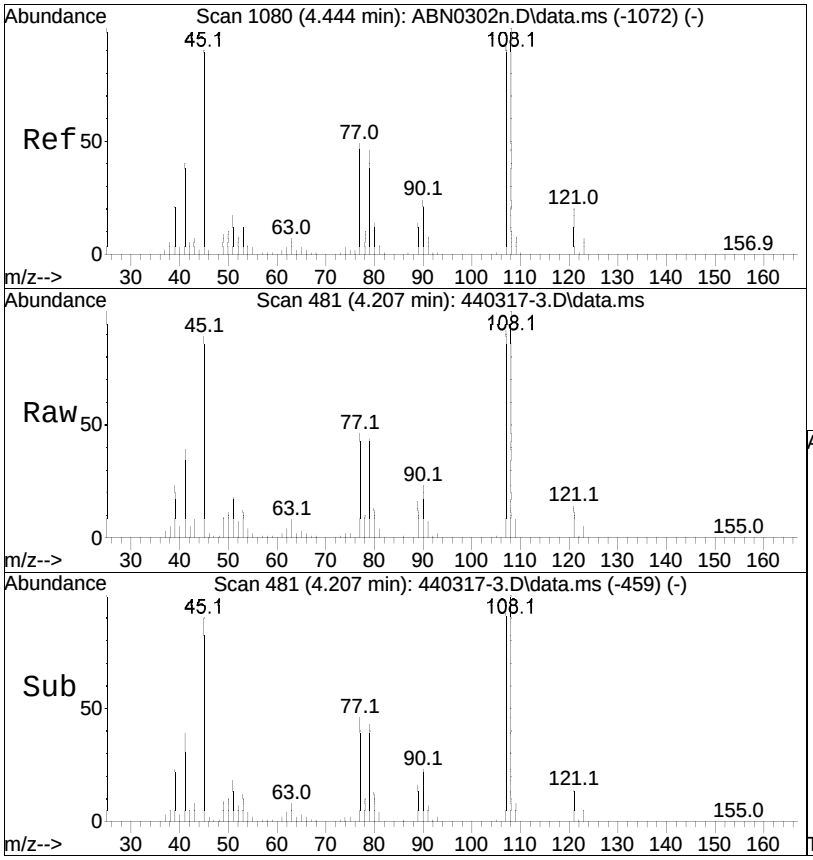


#14
Bis(2-chloroisopropyl)ether
Concen: 28.70 ug/ml
RT: 4.213 min Scan# 482
Delta R.T. 0.000 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion: 45 Resp: 252512

Ion	Ratio	Lower	Upper
45	100		
121	16.8	21.0	31.6#
77	37.0	40.4	60.6#

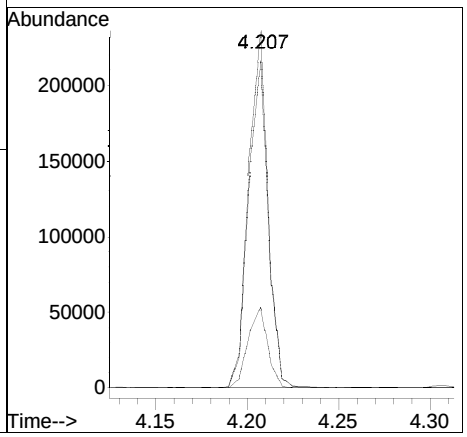


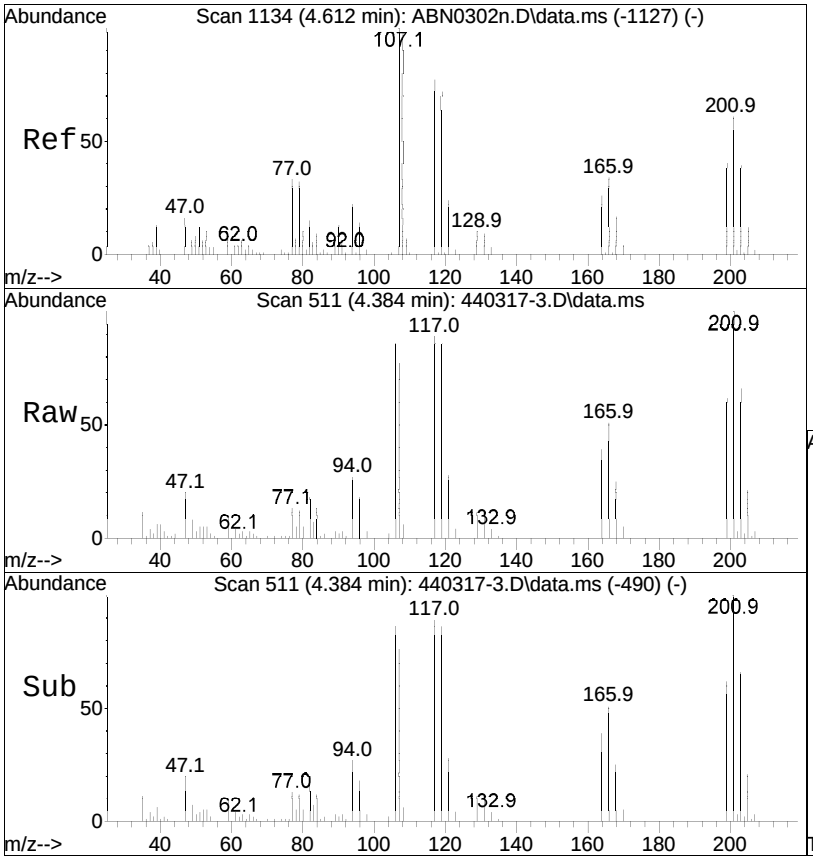


#15
2-Methylphenol
Concen: 30.64 ug/ml
RT: 4.207 min Scan# 481
Delta R.T. 0.006 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:108 Resp: 173999

Ion	Ratio	Lower	Upper
108	100		
107	93.4	71.6	107.4
90	23.0	18.8	28.2

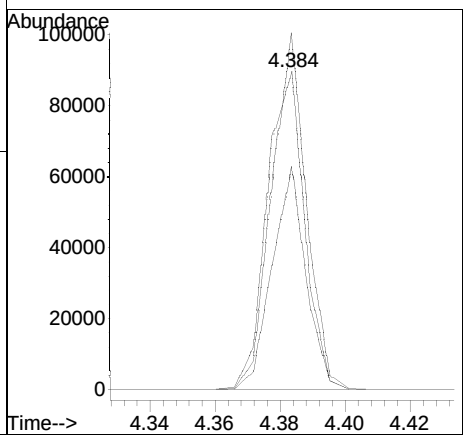


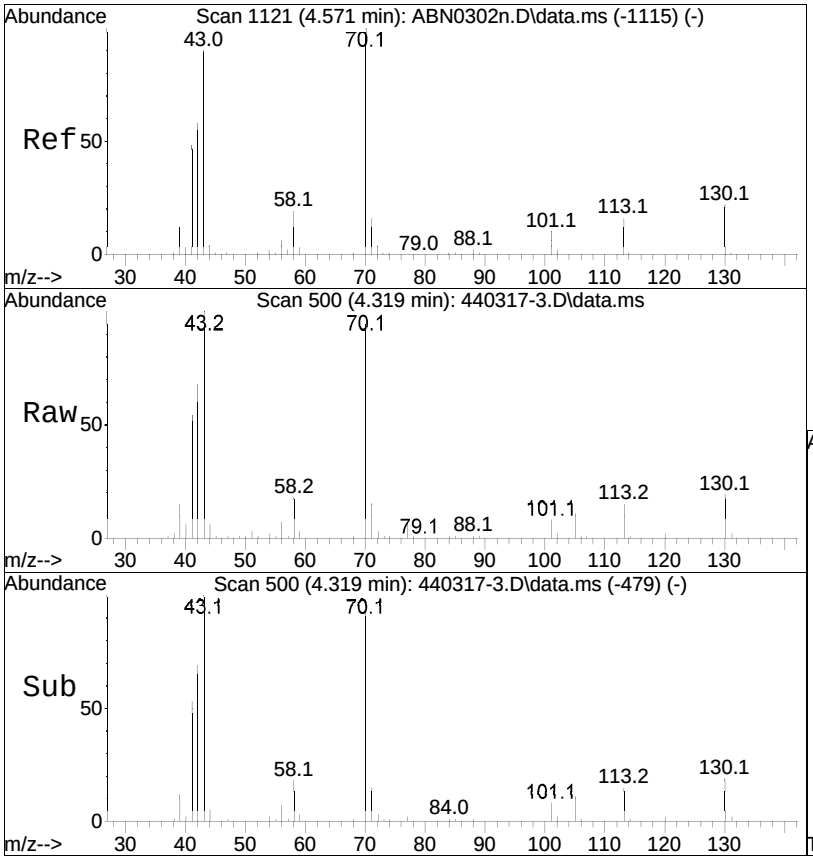


#16
Hexachloroethane
Concen: 23.67 ug/ml
RT: 4.384 min Scan# 511
Delta R.T. 0.000 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:117 Resp: 71552

Ion	Ratio	Lower	Upper
117	100		
201	103.8	47.2	70.8#
199	63.3	29.8	44.6#

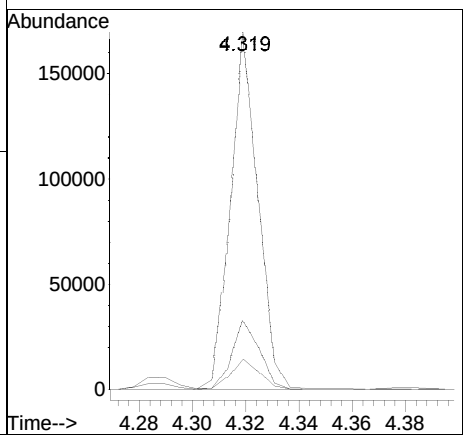


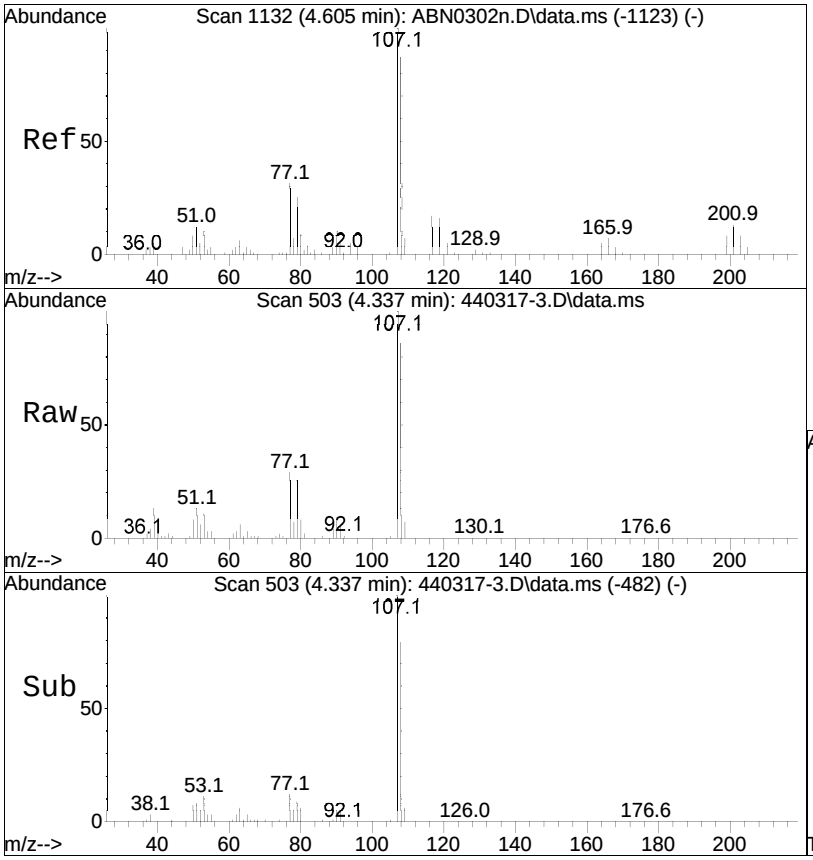


#17
n-Nitrosodi-n-propylamine
Concen: 28.45 ug/ml
RT: 4.319 min Scan# 500
Delta R.T. 0.000 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion: 70 Resp: 120799

Ion	Ratio	Lower	Upper
70	100		
130	19.5	18.7	28.1
101	9.0	8.4	12.6

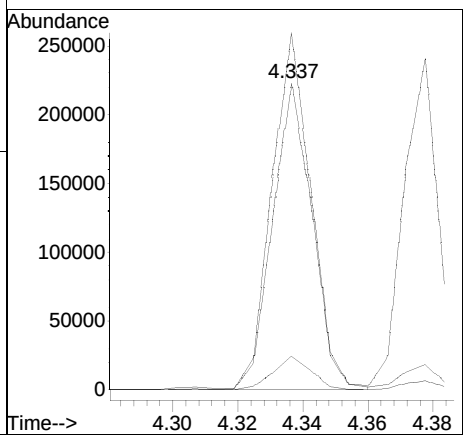


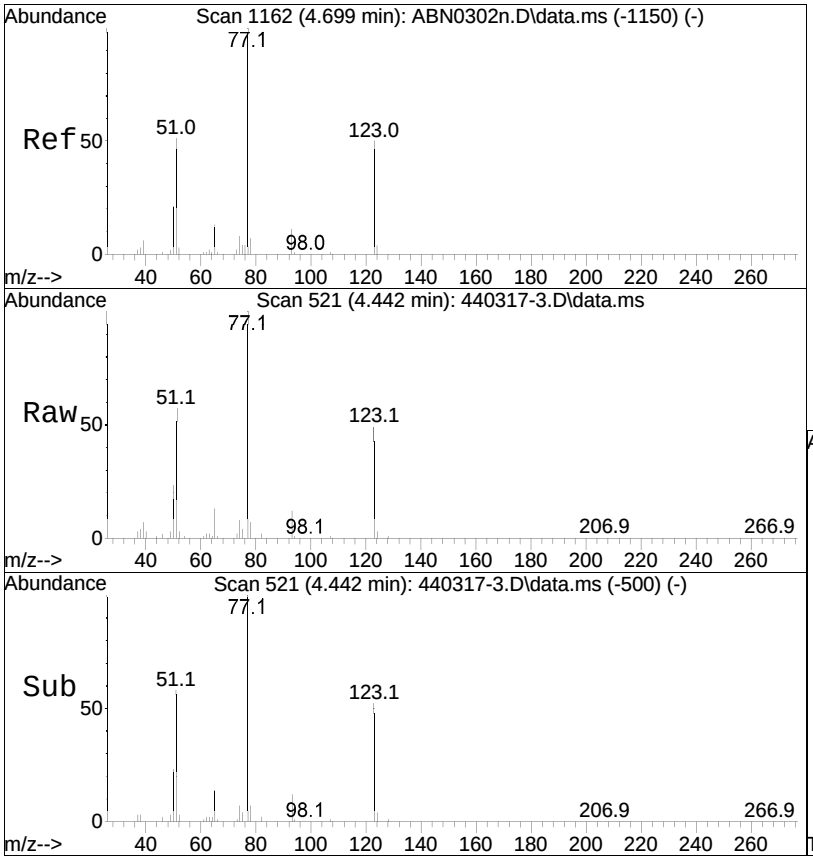


#18
3-Methylphenol/4-Methylphenol
Concen: 31.57 ug/ml
RT: 4.337 min Scan# 503
Delta R.T. 0.000 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:108 Resp: 188062

Ion	Ratio	Lower	Upper
108	100		
107	116.2	87.0	130.6
90	10.9	8.4	12.6

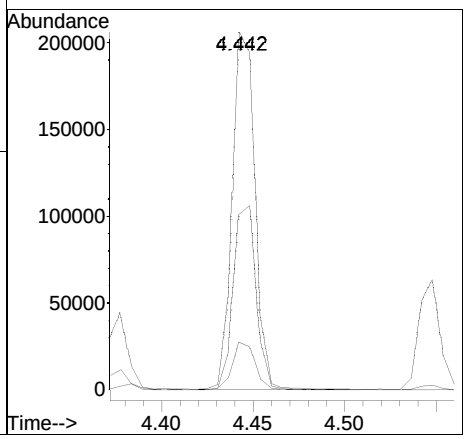


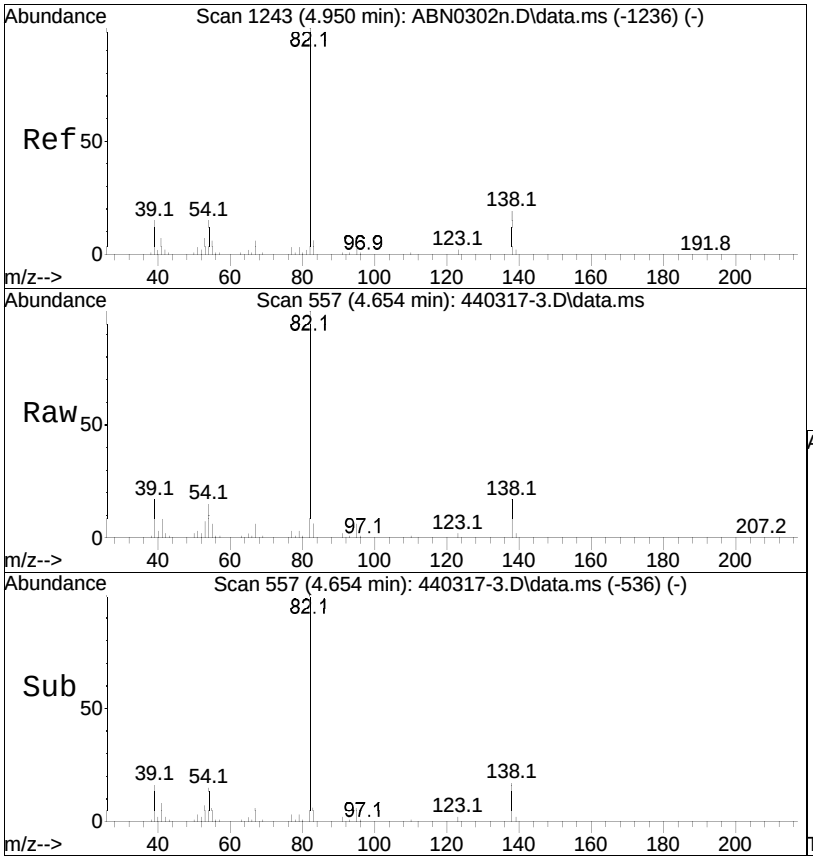


#20
Nitrobenzene
Concen: 29.00 ug/ml
RT: 4.442 min Scan# 521
Delta R.T. 0.000 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion: 77 Resp: 177246

Ion	Ratio	Lower	Upper
77	100		
123	52.2	38.3	57.5
65	13.6	10.3	15.5

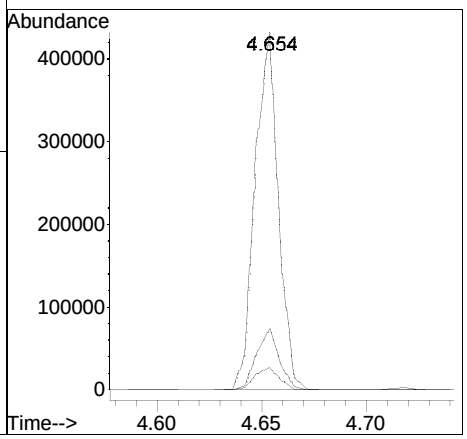


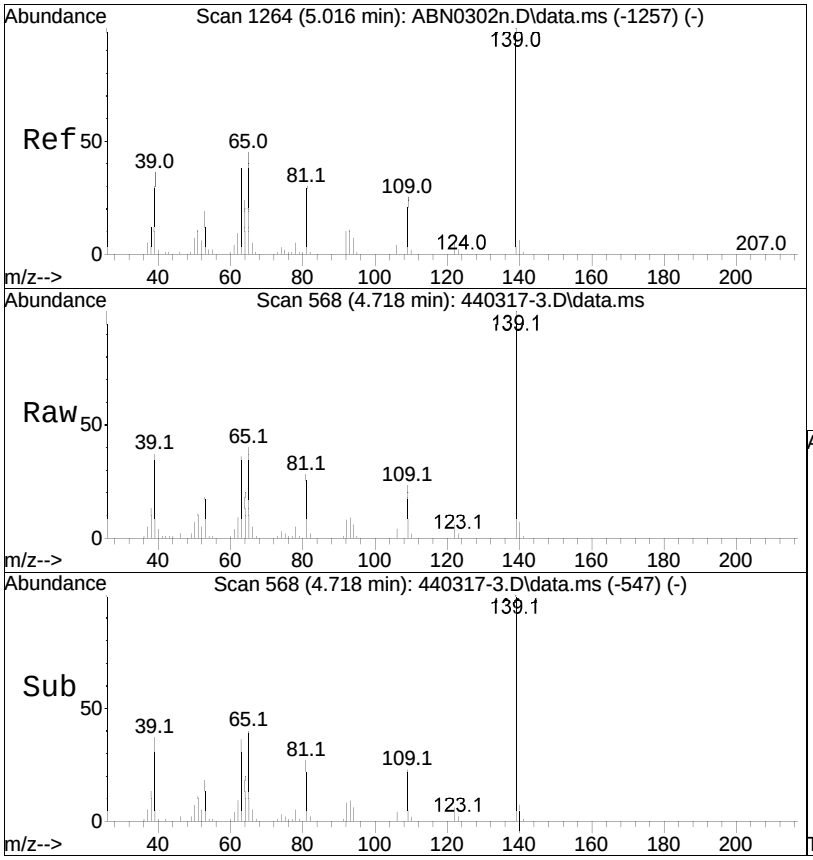


#21
Isophorone
Concen: 28.52 ug/ml
RT: 4.654 min Scan# 557
Delta R.T. 0.000 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion: 82 Resp: 328906

Ion	Ratio	Lower	Upper
82	100		
138	16.7	13.3	19.9
95	6.7	5.1	7.7

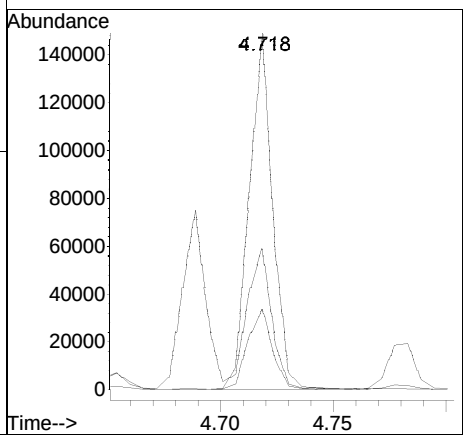


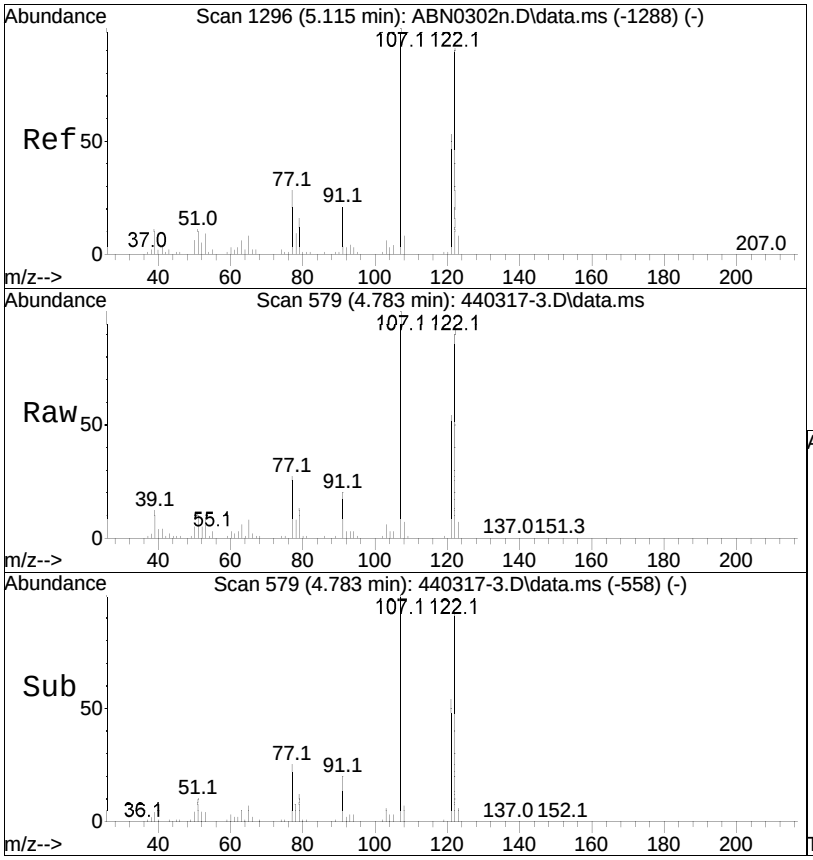


#22
2-Nitrophenol
Concen: 32.35 ug/ml
RT: 4.718 min Scan# 568
Delta R.T. 0.000 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:139 Resp: 107411

Ion	Ratio	Lower	Upper
139	100		
109	23.9	20.1	30.1
65	42.2	37.8	56.8

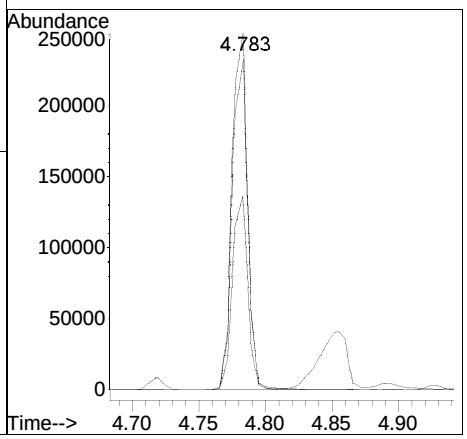


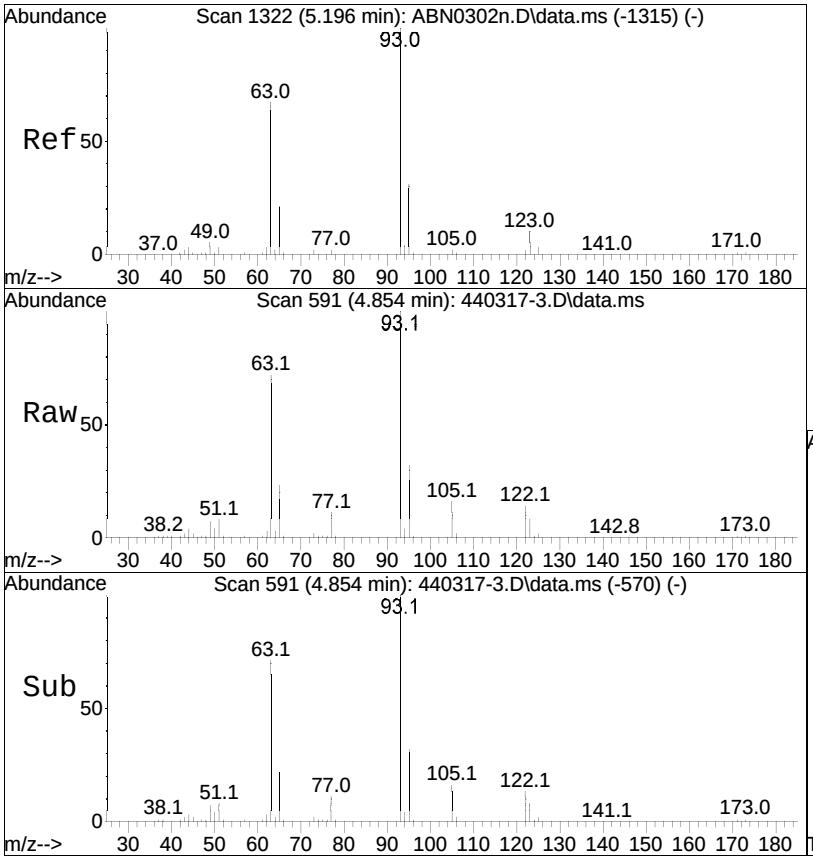


#23
2,4-Dimethylphenol
Concen: 32.11 ug/ml
RT: 4.783 min Scan# 579
Delta R.T. 0.000 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:107 Resp: 203981

Ion	Ratio	Lower	Upper
107	100		
121	53.6	40.2	60.4
122	90.4	70.2	105.4

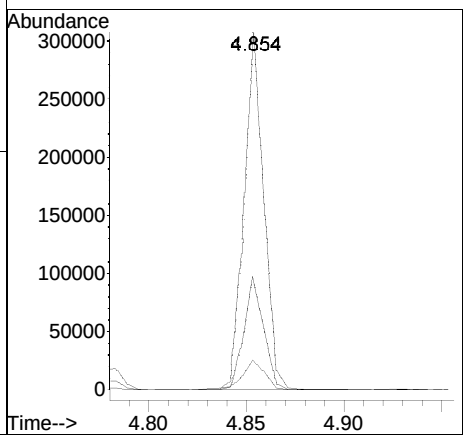


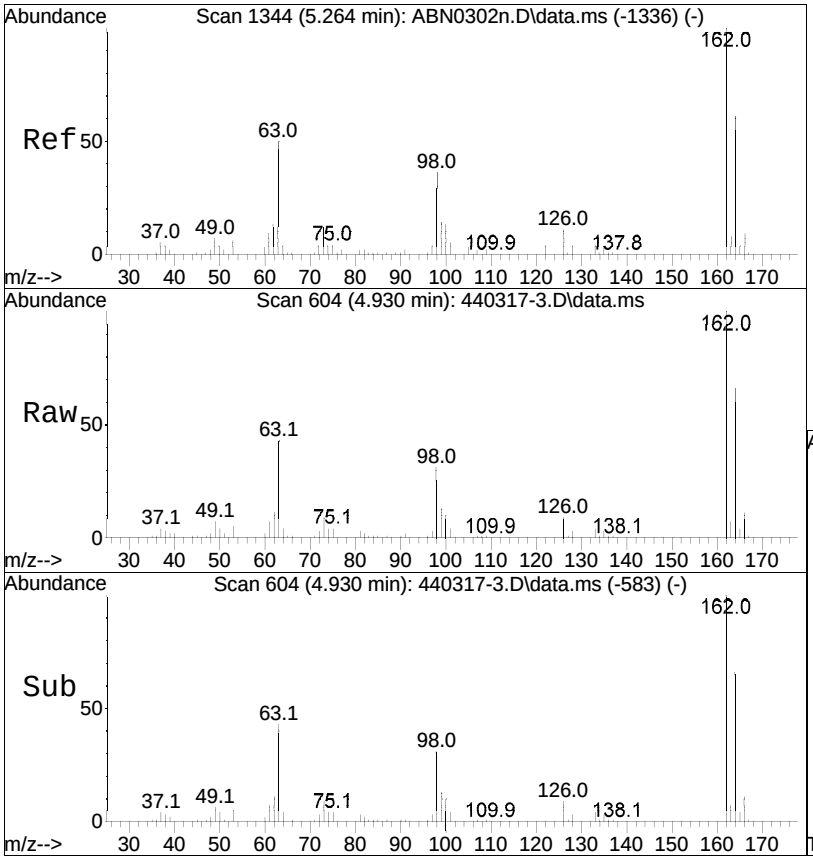


#24
Bis(2-chloroethoxy)methane
Concen: 28.33 ug/ml
RT: 4.854 min Scan# 591
Delta R.T. 0.000 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion: 93 Resp: 212219

Ion	Ratio	Lower	Upper
93	100		
95	32.2	26.3	39.5
123	9.8	11.4	17.0#

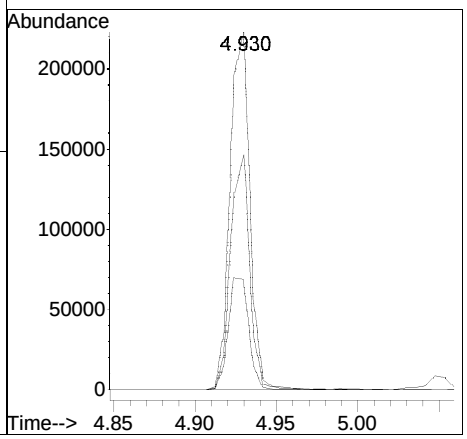


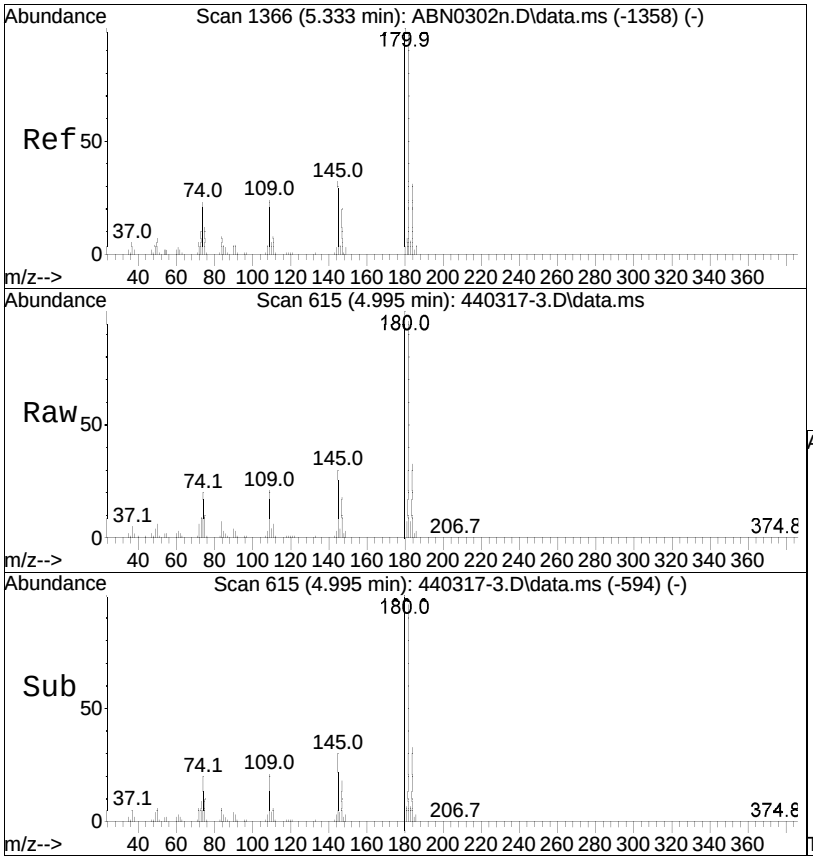


#25
2,4-Dichlorophenol
Concen: 31.51 ug/ml
RT: 4.930 min Scan# 604
Delta R.T. 0.000 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:162 Resp: 185578

Ion	Ratio	Lower	Upper
162	100		
164	63.9	51.2	76.8
98	32.8	34.6	52.0#

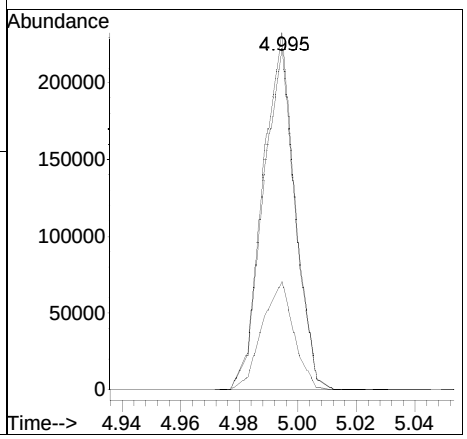


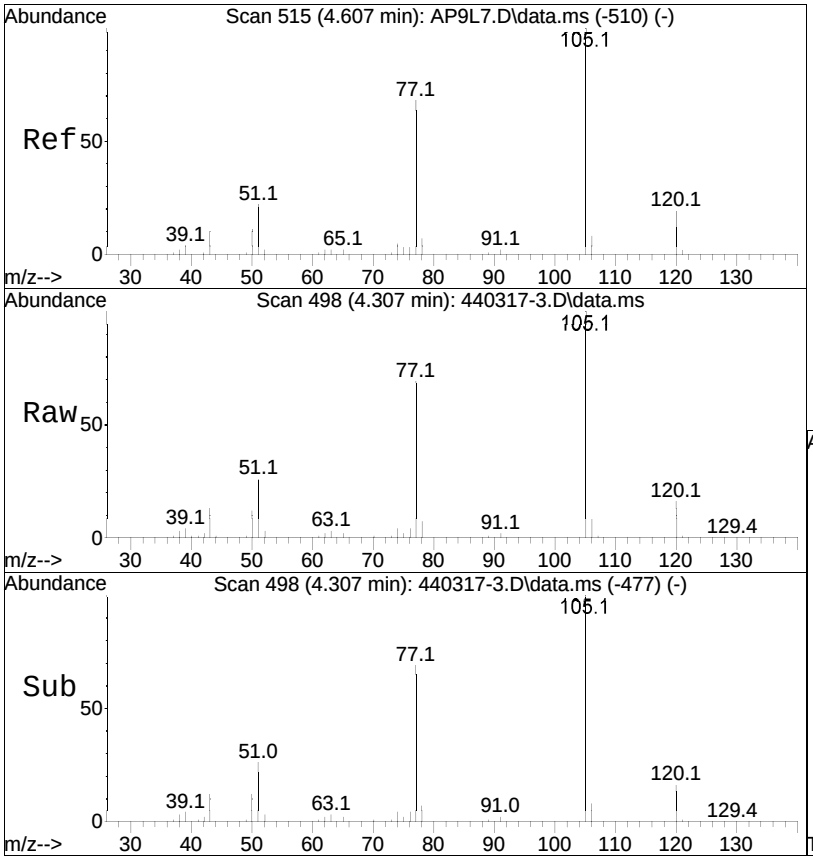


#26
1,2,4-Trichlorobenzene
Concen: 26.32 ug/ml
RT: 4.995 min Scan# 615
Delta R.T. 0.000 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:180 Resp: 178758

Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.6	115.0
145	30.0	26.3	39.5

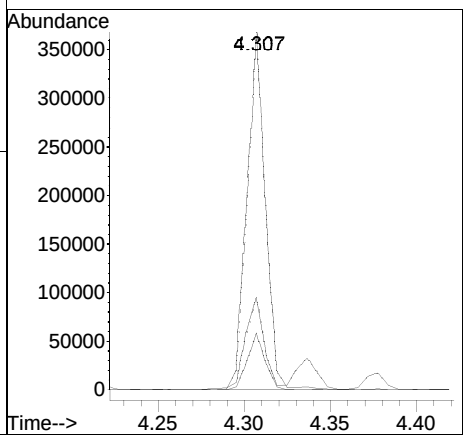


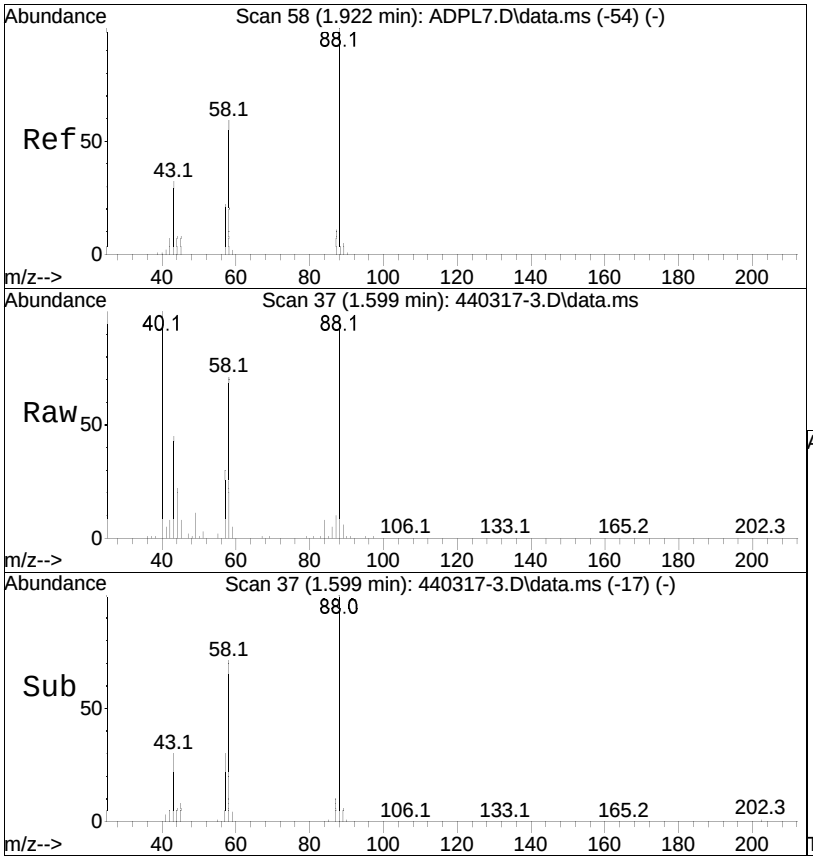


#29
Acetophenone
Concen: 31.47 ug/ml
RT: 4.307 min Scan# 498
Delta R.T. -0.000 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:105 Resp: 269468

Ion	Ratio	Lower	Upper
105	100		
120	15.4	19.9	29.9#
51	26.6	17.8	26.6

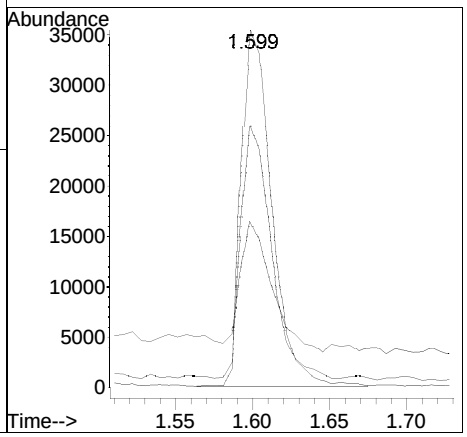


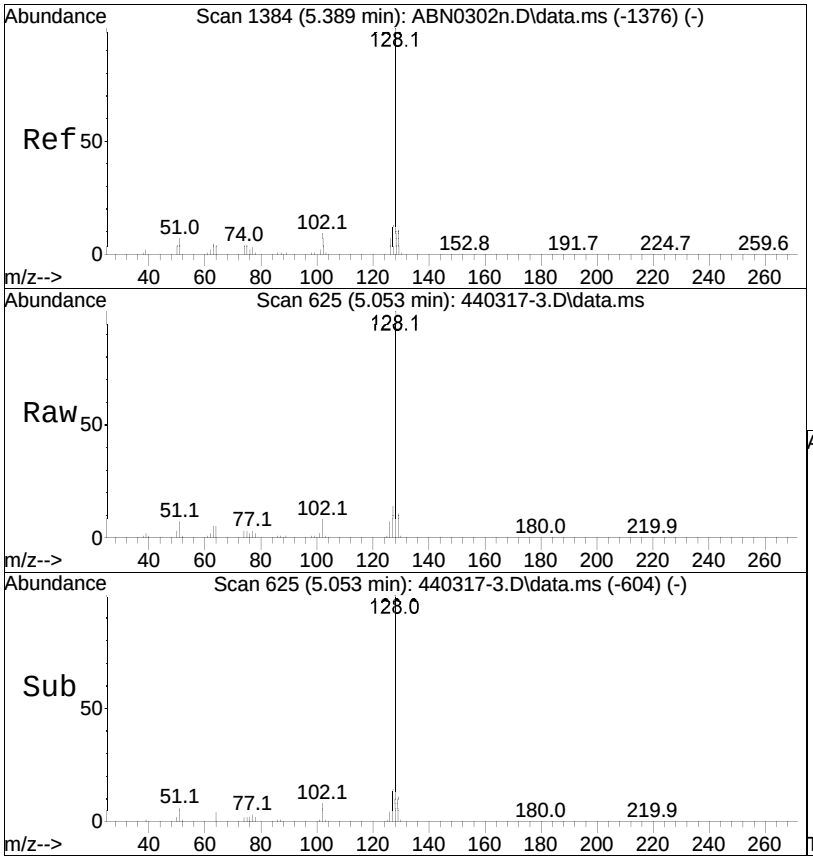


#33
1,4-Dioxane
Concen: 22.49 ug/ml
RT: 1.599 min Scan# 37
Delta R.T. -0.006 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion: 88 Resp: 48418

Ion	Ratio	Lower	Upper
88	100		
58	69.9	44.8	67.2#
43	37.7	22.4	33.6#

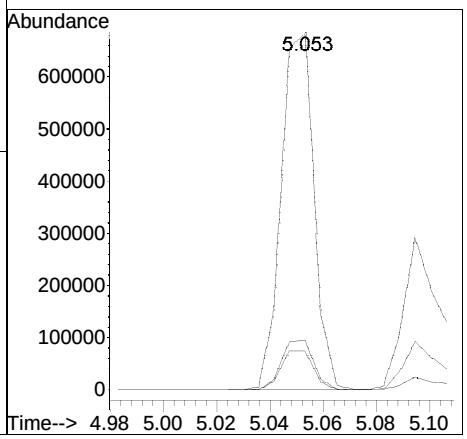


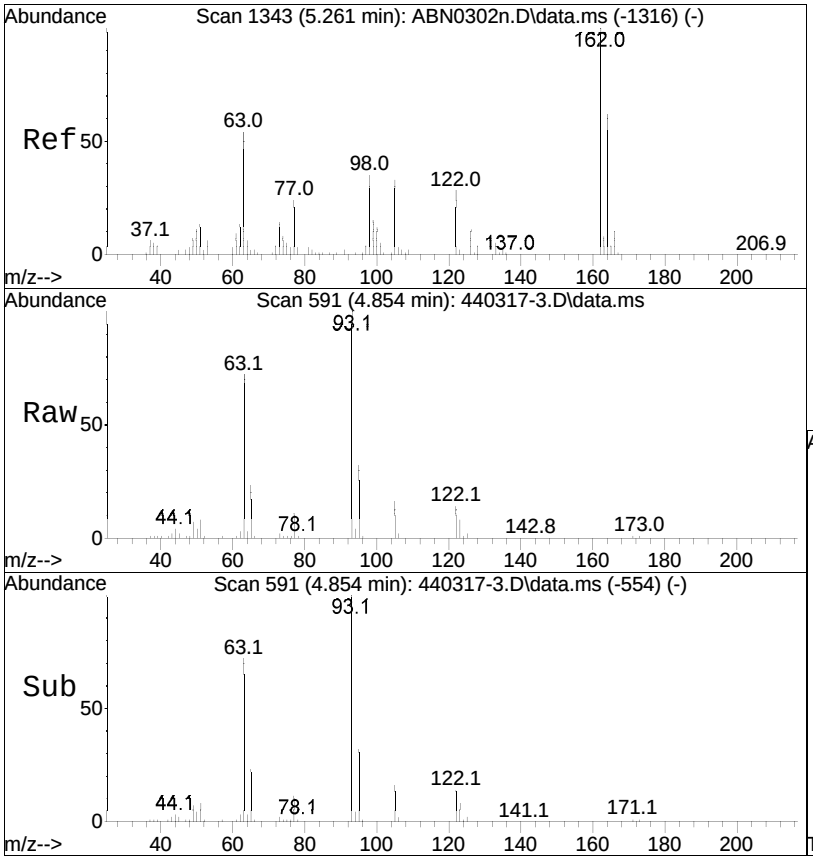


#36
Naphthalene
Concen: 27.48 ug/ml
RT: 5.053 min Scan# 625
Delta R.T. 0.000 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:128 Resp: 581564

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.6
127	14.0	11.3	16.9

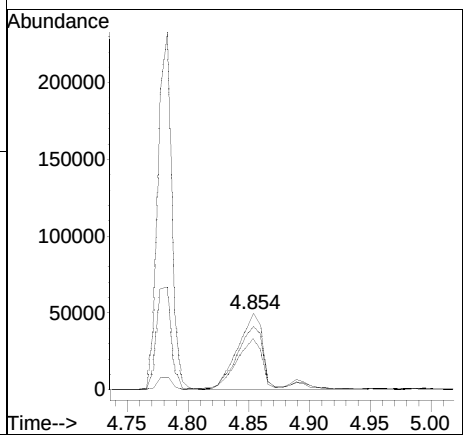


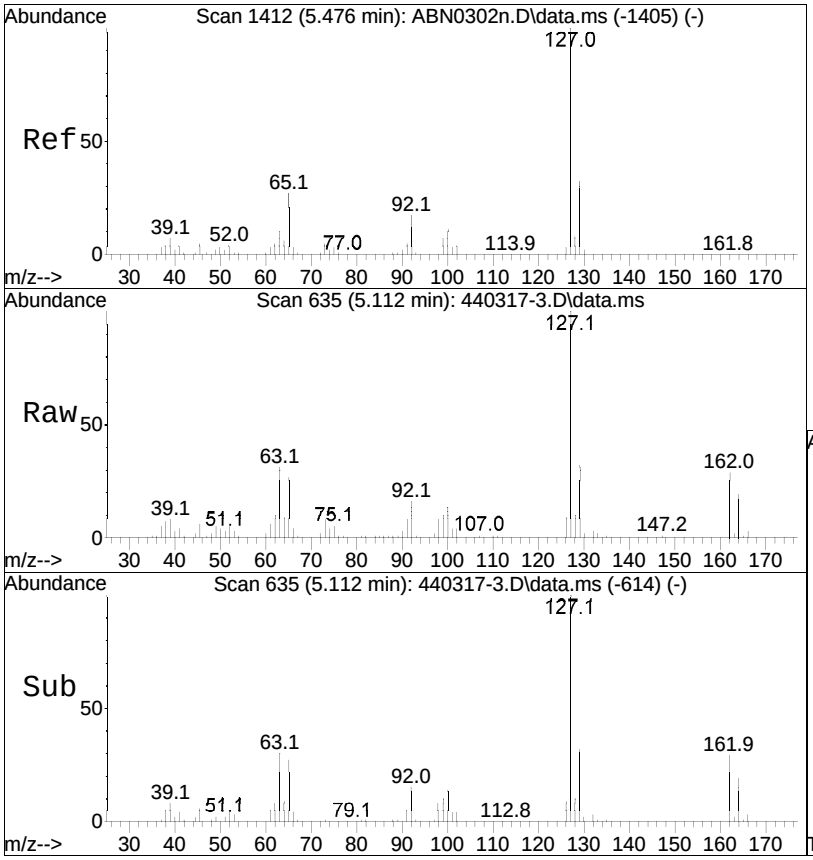


#37
Benzoic Acid
Concen: 15.83 ug/ml M3
RT: 4.854 min Scan# 591
Delta R.T. -0.035 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:105 Resp: 80099

Ion	Ratio	Lower	Upper
105	100		
122	6.6	61.5	92.3#
77	8.4	57.4	86.2#

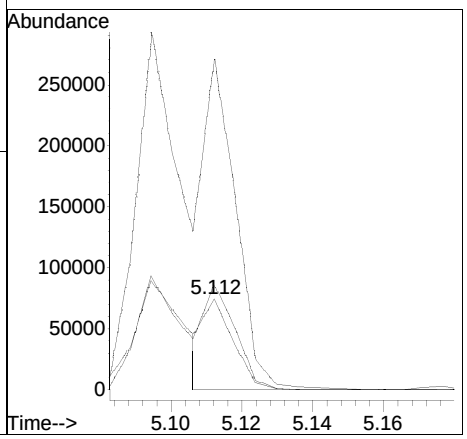


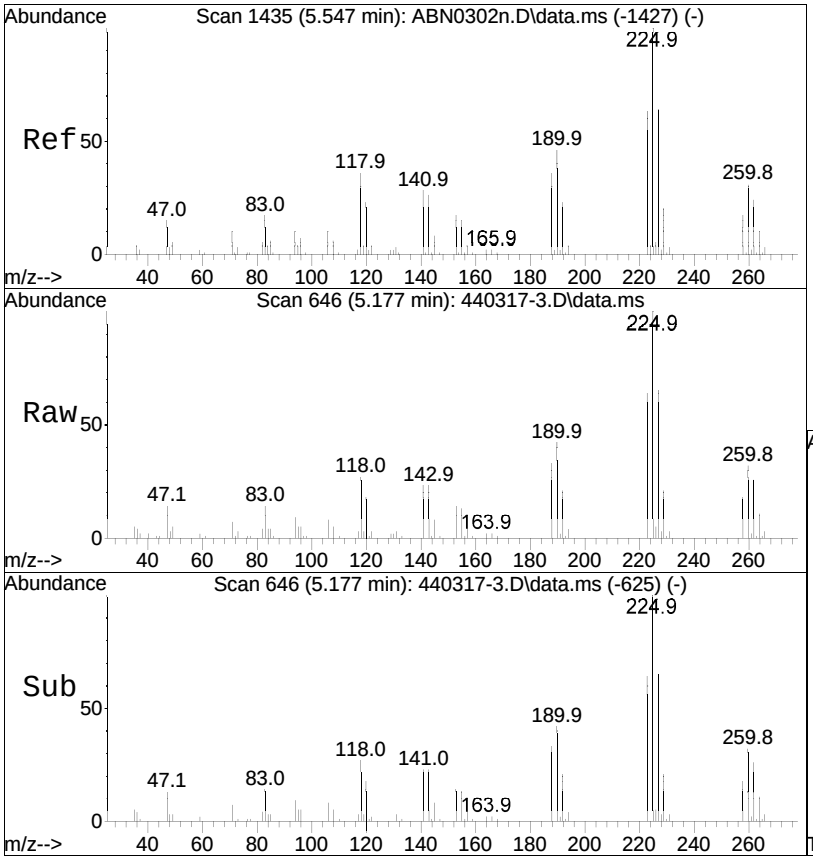


#38
4-Chloroaniline
Concen: 18.23 ug/ml M3
RT: 5.112 min Scan# 635
Delta R.T. 0.000 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion: 65 Resp: 42750

Ion	Ratio	Lower	Upper
65	100		
127	600.8	295.3	442.9#
129	191.2	96.3	144.5#

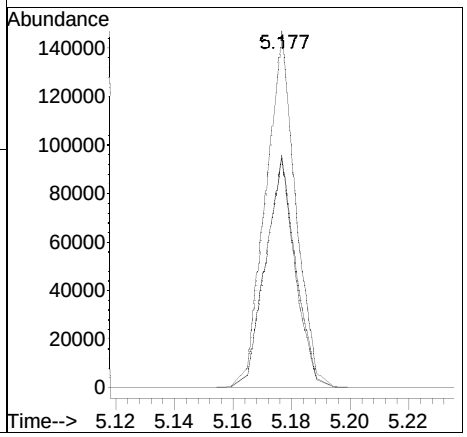


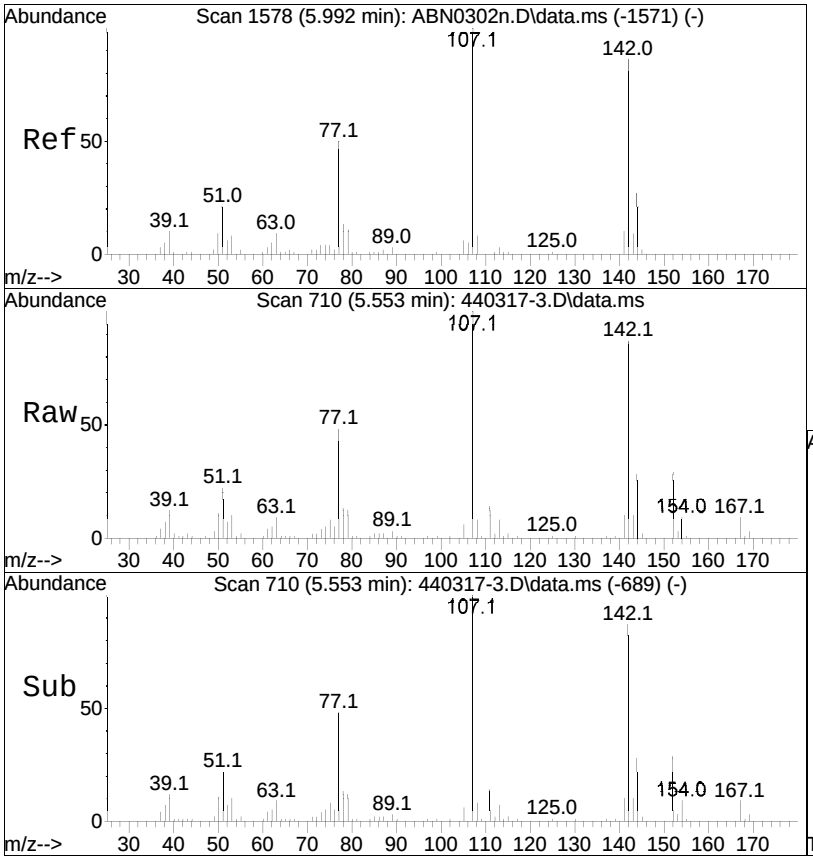


#39
Hexachlorobutadiene
Concen: 24.43 ug/ml
RT: 5.177 min Scan# 646
Delta R.T. 0.000 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:225 Resp: 103493

Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.2	75.2
227	65.3	51.3	76.9

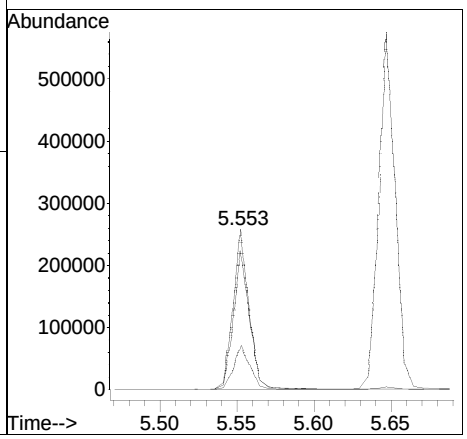


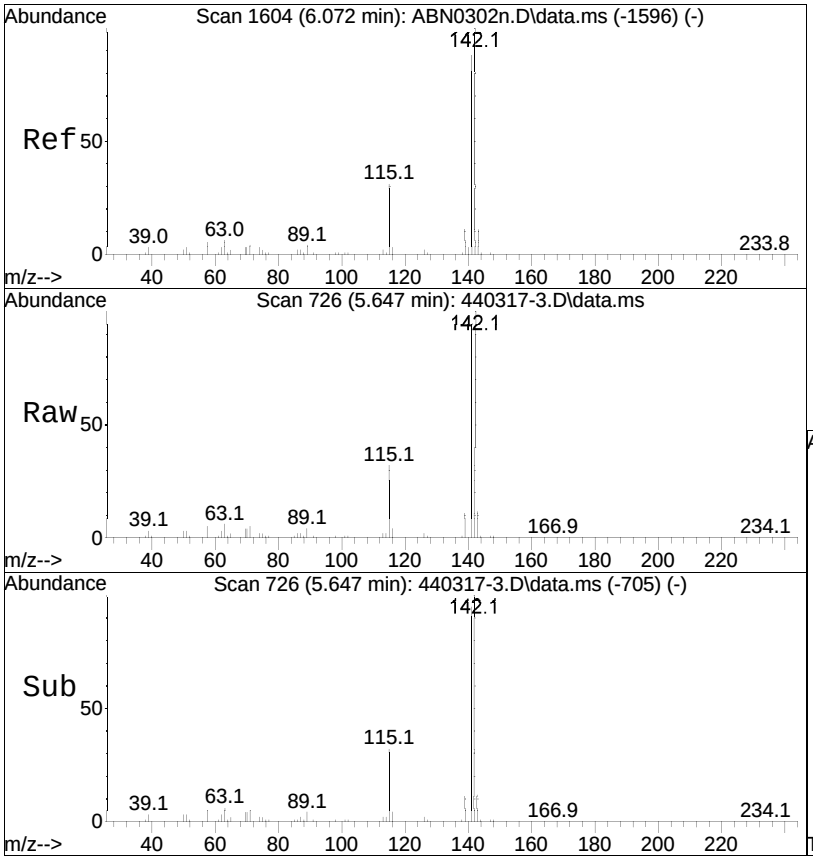


#40
p-Chloro-m-cresol
Concen: 32.18 ug/ml
RT: 5.553 min Scan# 710
Delta R.T. 0.000 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:107 Resp: 186351

Ion	Ratio	Lower	Upper
107	100		
144	28.3	20.7	31.1
142	86.9	63.7	95.5

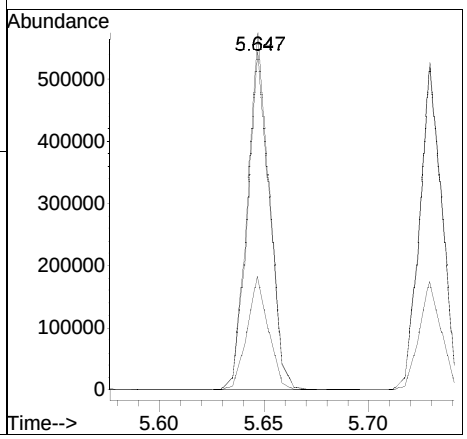


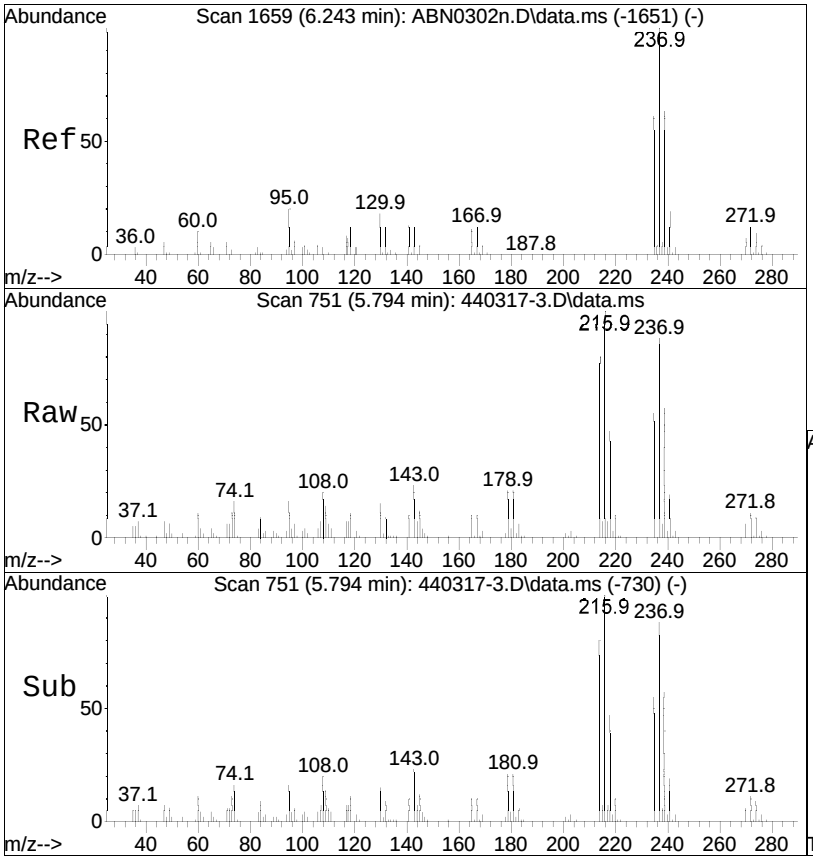


#41
2-Methylnaphthalene
Concen: 28.58 ug/ml
RT: 5.647 min Scan# 726
Delta R.T. 0.000 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:142 Resp: 421091

Ion	Ratio	Lower	Upper
142	100		
141	94.8	71.0	106.6
115	31.1	29.8	44.6

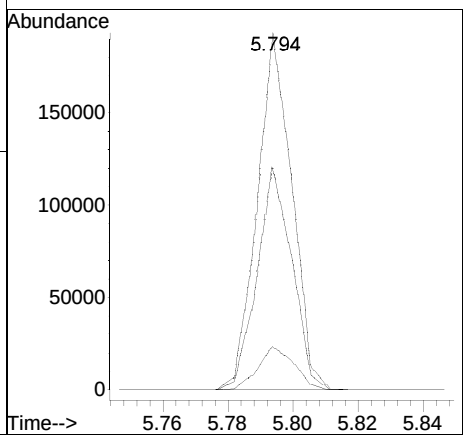


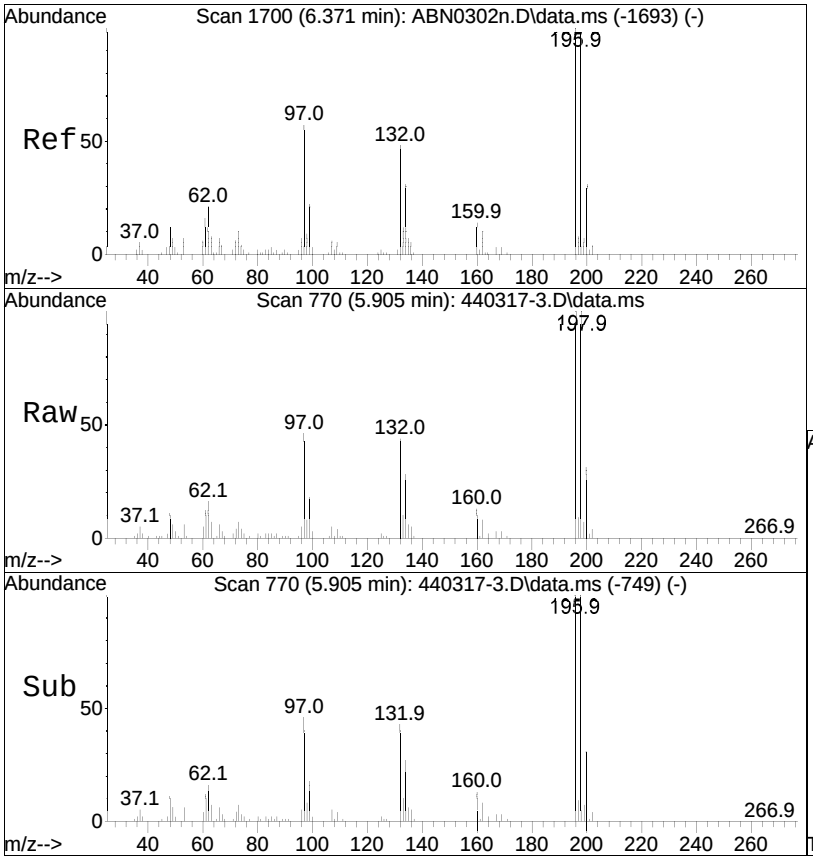


#43
Hexachlorocyclopentadiene
Concen: 26.87 ug/ml
RT: 5.794 min Scan# 751
Delta R.T. 0.000 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:237 Resp: 141817

Ion	Ratio	Lower	Upper
237	100		
235	63.0	50.2	75.2
272	12.8	11.4	17.2

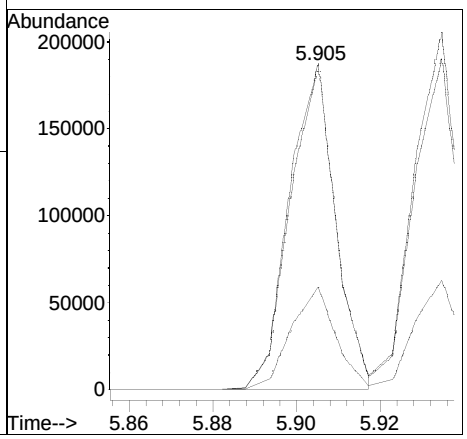


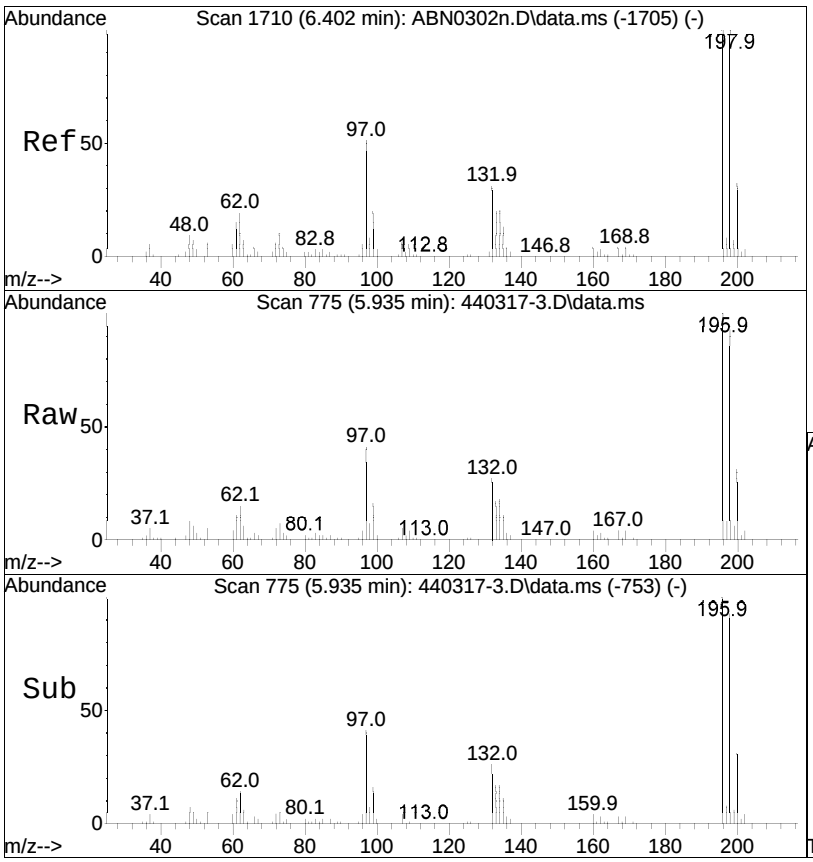


#44
2,4,6-Trichlorophenol
Concen: 31.18 ug/ml
RT: 5.905 min Scan# 770
Delta R.T. 0.000 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:196 Resp: 144364

Ion	Ratio	Lower	Upper
196	100		
198	97.5	76.0	114.0
200	30.6	24.9	37.3

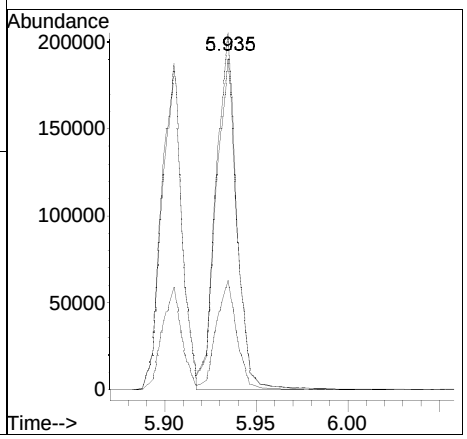


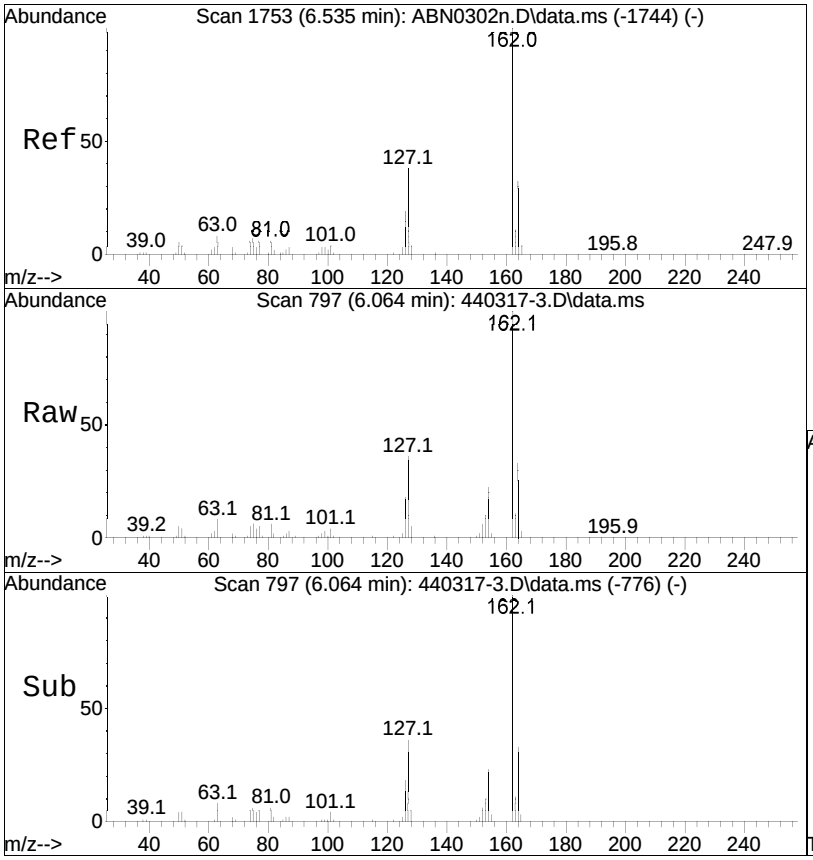


#45
2,4,5-Trichlorophenol
Concen: 31.24 ug/ml
RT: 5.935 min Scan# 775
Delta R.T. 0.006 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:196 Resp: 160739

Ion	Ratio	Lower	Upper
196	100		
200	30.8	23.8	35.6
198	94.2	74.3	111.5

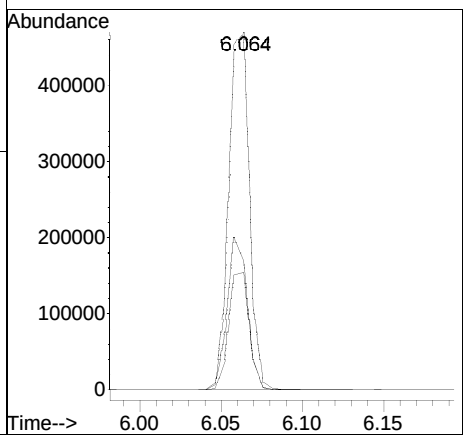


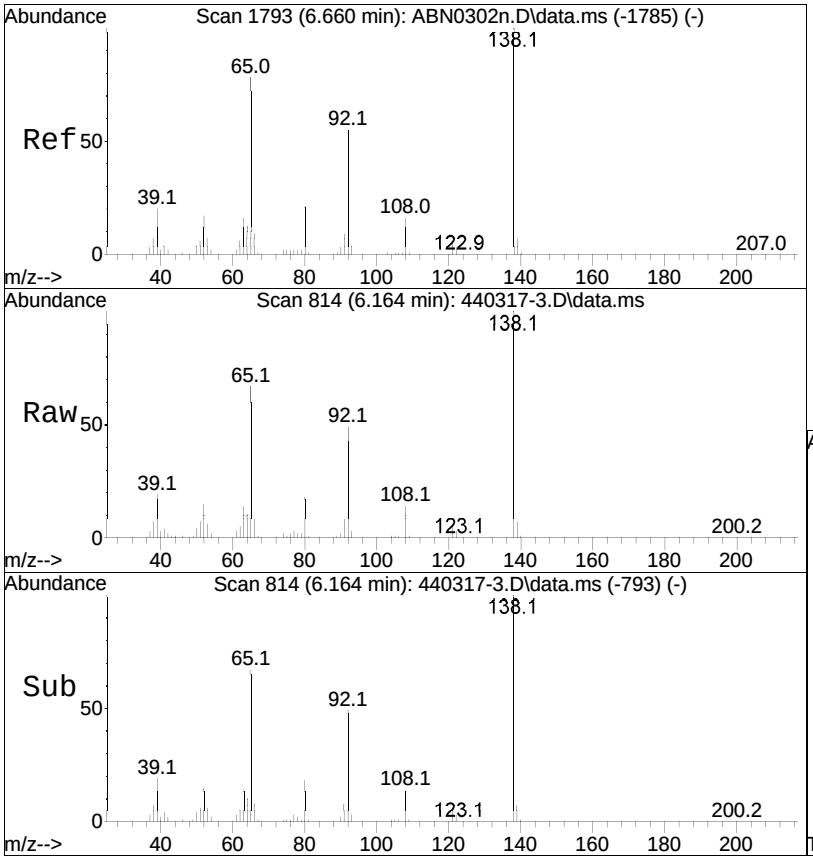


#47
2-Chloronaphthalene
Concen: 28.86 ug/ml
RT: 6.064 min Scan# 797
Delta R.T. 0.000 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:162 Resp: 411101

Ion	Ratio	Lower	Upper
162	100		
127	42.0	33.9	50.9
164	33.0	26.3	39.5

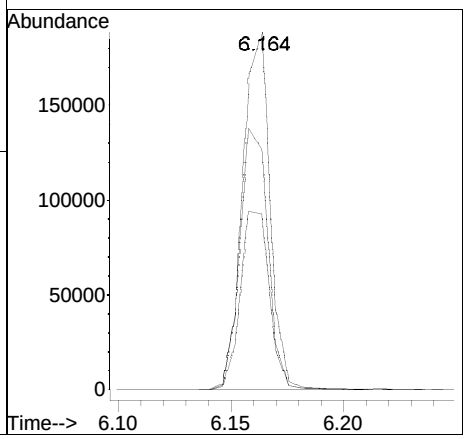


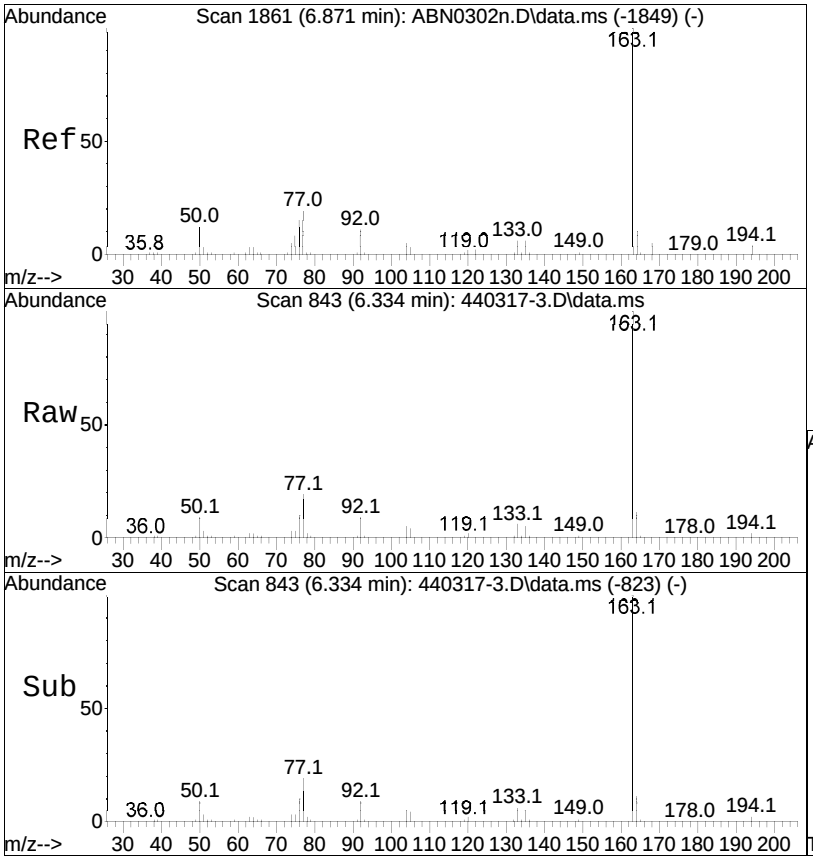


#48
2-Nitroaniline
Concen: 33.91 ug/ml
RT: 6.164 min Scan# 814
Delta R.T. 0.000 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:138 Resp: 157573

Ion	Ratio	Lower	Upper
138	100		
92	53.3	52.5	78.7
65	75.5	67.7	101.5

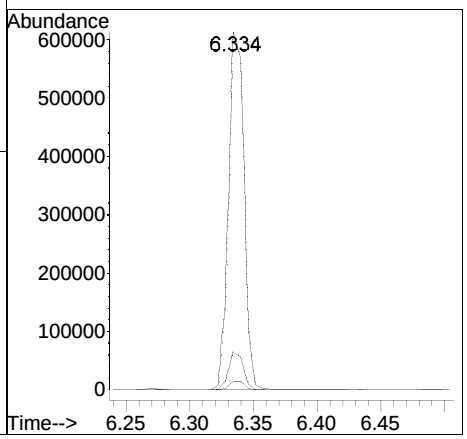


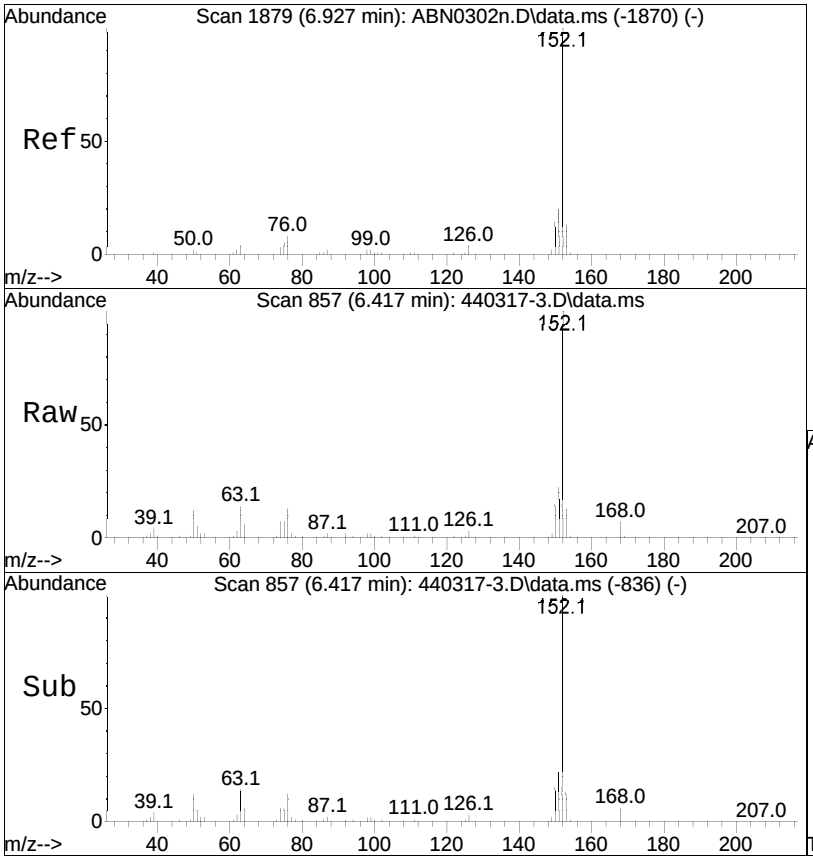


#51
Dimethyl phthalate
Concen: 29.18 ug/ml
RT: 6.334 min Scan# 843
Delta R.T. -0.006 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:163 Resp: 511445

Ion	Ratio	Lower	Upper
163	100		
194	2.4	3.5	5.3#
164	10.3	8.3	12.5

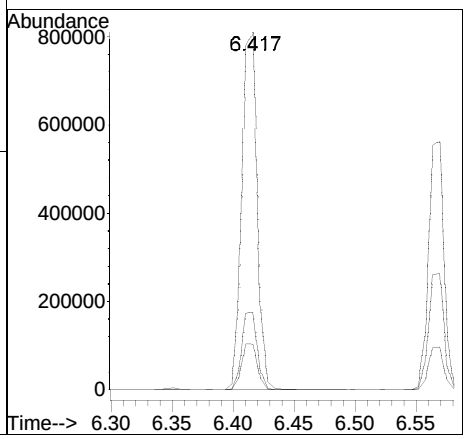


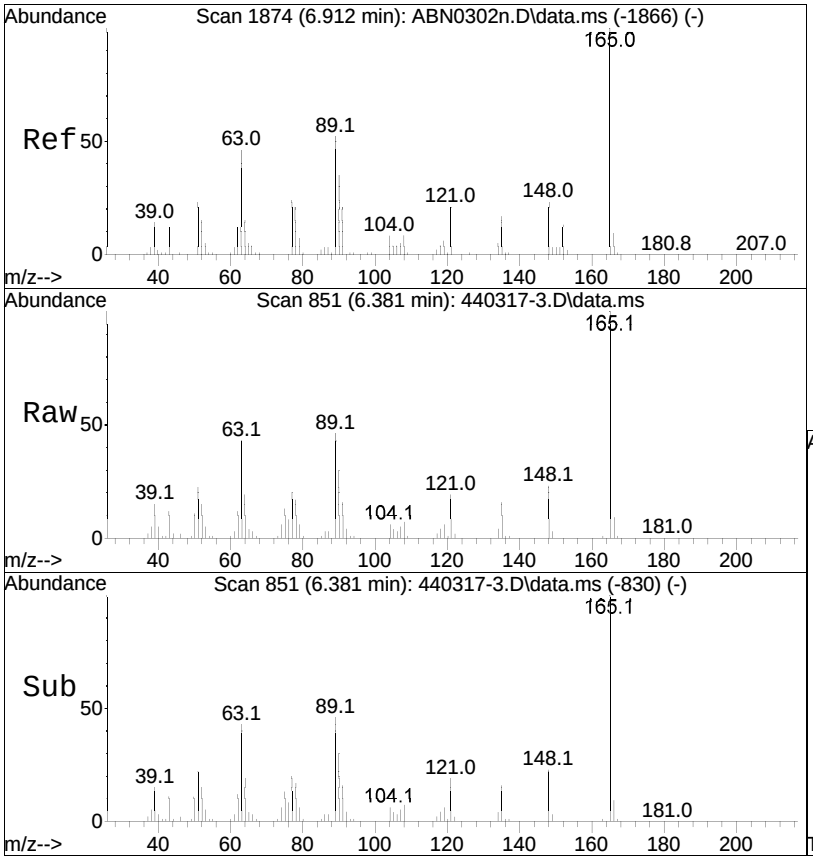


#52
Acenaphthylene
Concen: 28.98 ug/ml
RT: 6.417 min Scan# 857
Delta R.T. 0.000 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:152 Resp: 715171

Ion	Ratio	Lower	Upper
152	100		
151	21.8	17.7	26.5
153	13.1	10.6	15.8

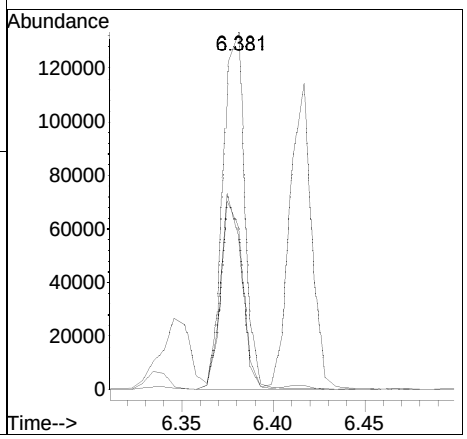


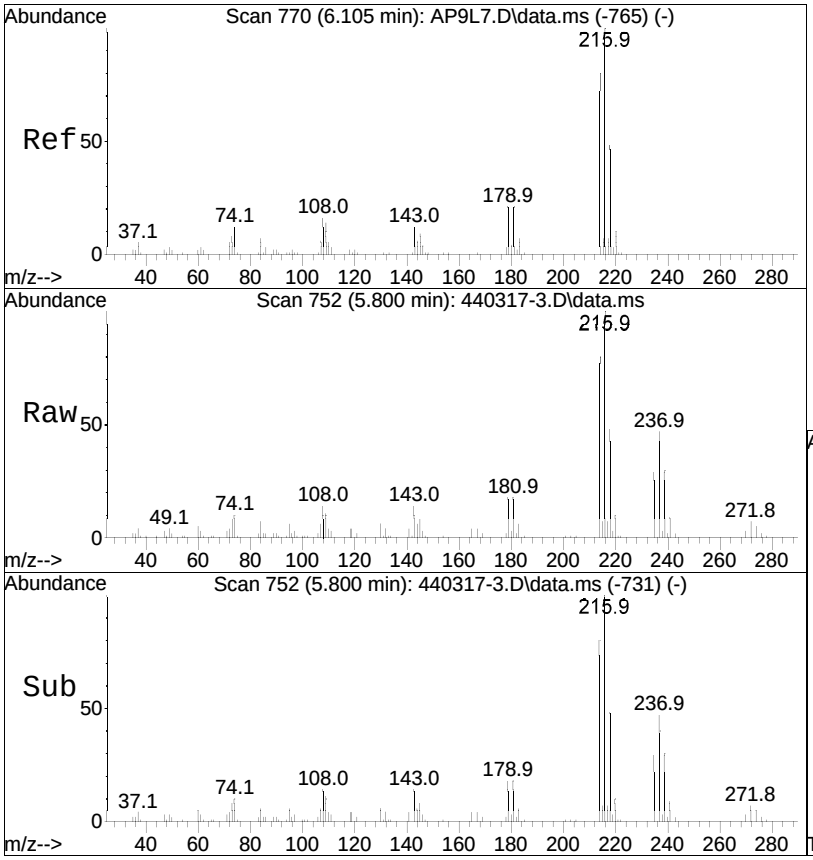


#53
2,6-Dinitrotoluene
Concen: 31.67 ug/ml
RT: 6.381 min Scan# 851
Delta R.T. 0.000 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:165 Resp: 111639

Ion	Ratio	Lower	Upper
165	100		
89	52.5	56.8	85.2#
63	51.3	50.6	76.0

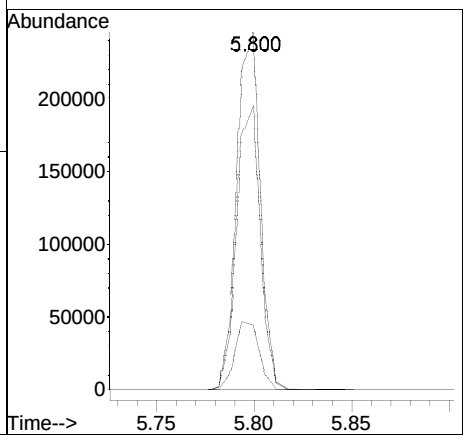


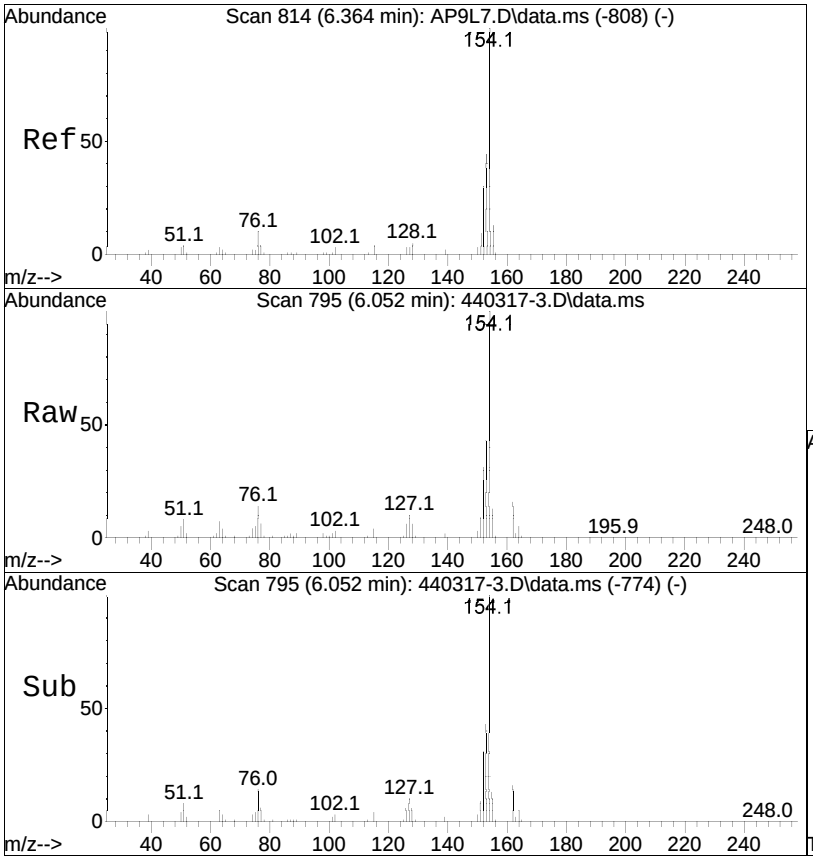


#61
1,2,4,5-Tetrachlorobenzene
Concen: 28.71 ug/ml
RT: 5.800 min Scan# 752
Delta R.T. -0.000 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:216 Resp: 206056

Ion	Ratio	Lower	Upper
216	100		
214	79.8	64.2	96.2
179	19.8	17.8	26.8

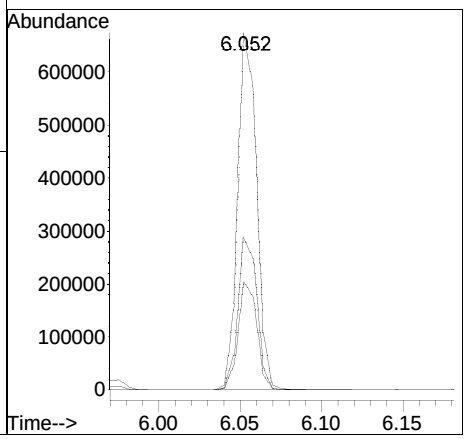


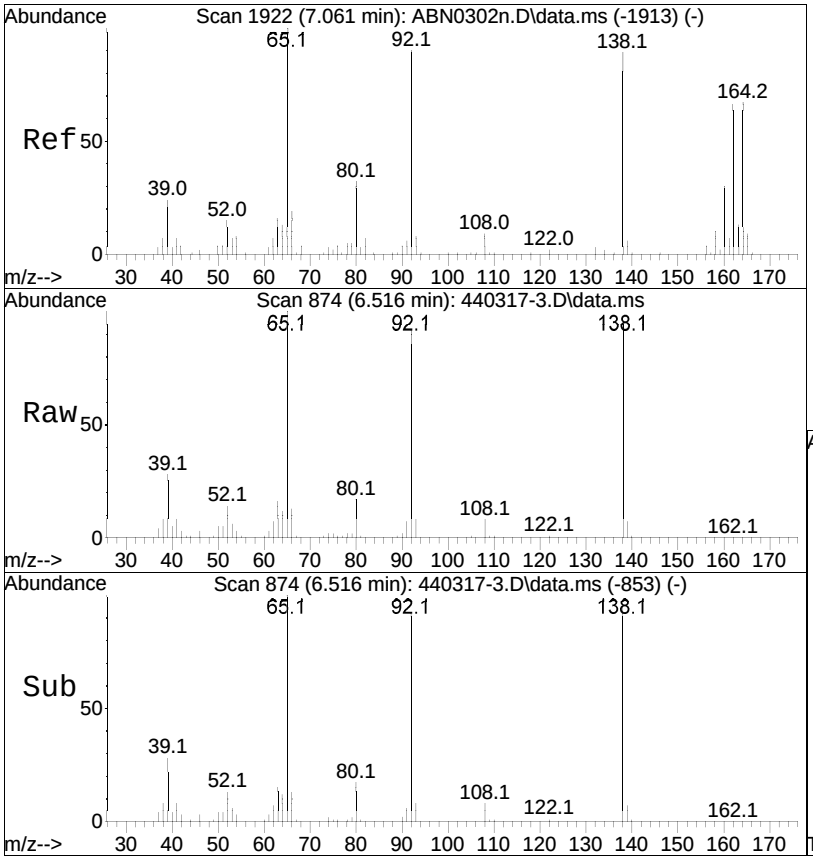


#62
Biphenyl
Concen: 31.57 ug/ml
RT: 6.052 min Scan# 795
Delta R.T. -0.000 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:154 Resp: 542797

Ion	Ratio	Lower	Upper
154	100		
153	43.2	35.1	52.7
152	30.3	24.0	36.0

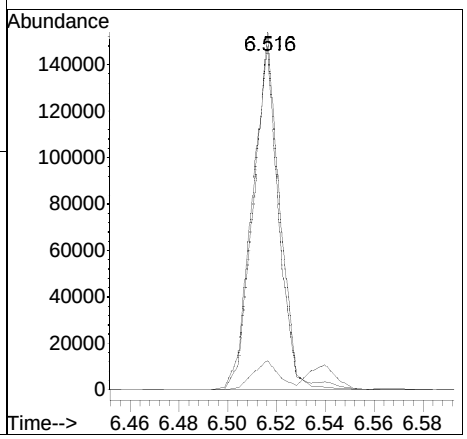


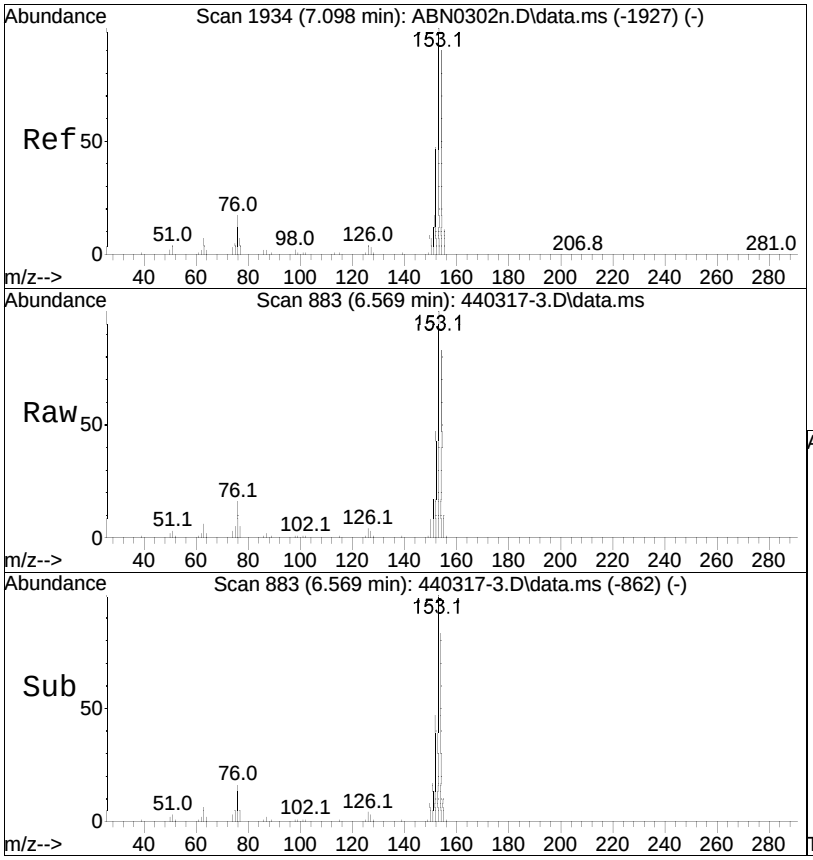


#64
3-Nitroaniline
Concen: 25.96 ug/ml
RT: 6.516 min Scan# 874
Delta R.T. 0.000 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:138 Resp: 112114

Ion	Ratio	Lower	Upper
138	100		
92	99.9	95.4	143.2
108	8.7	8.1	12.1

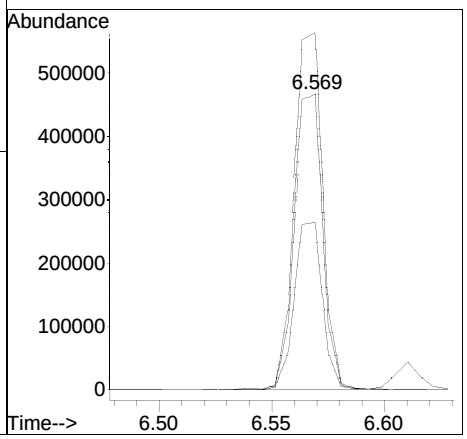


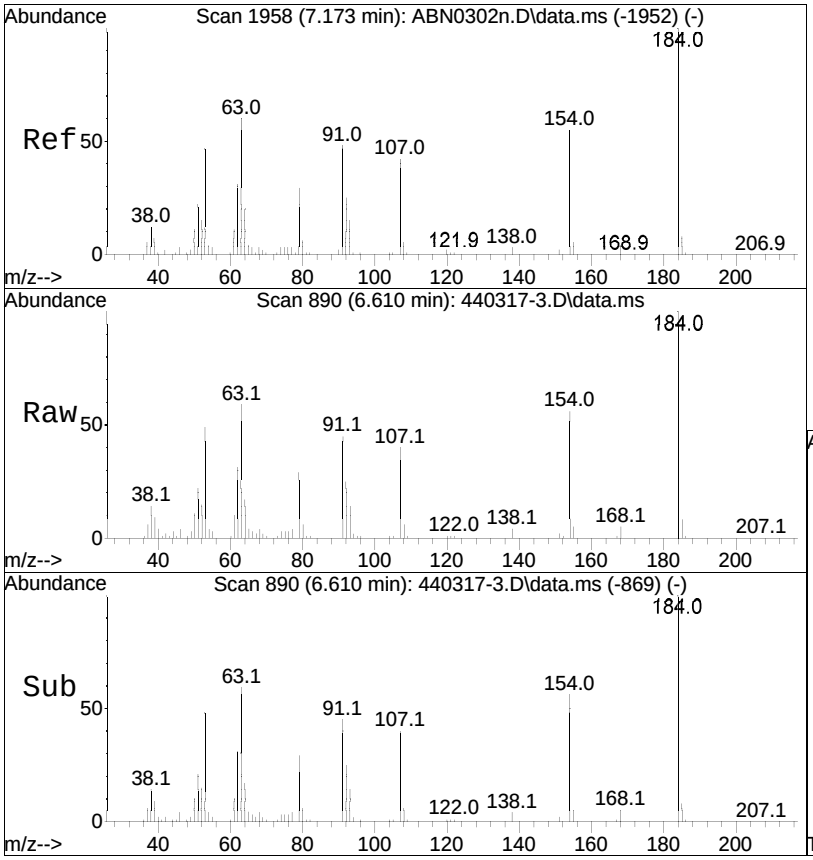


#65
Acenaphthene
Concen: 27.04 ug/ml
RT: 6.569 min Scan# 883
Delta R.T. 0.000 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:154 Resp: 407602

Ion	Ratio	Lower	Upper
154	100		
153	121.0	89.2	133.8
152	56.9	44.2	66.2

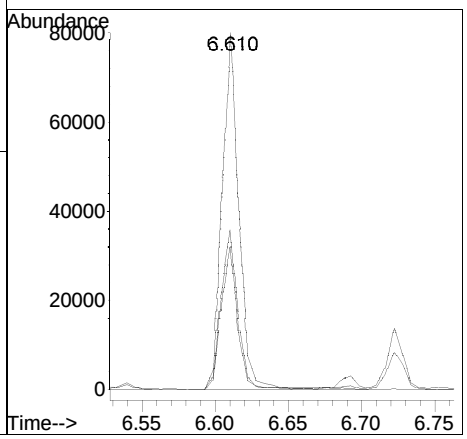


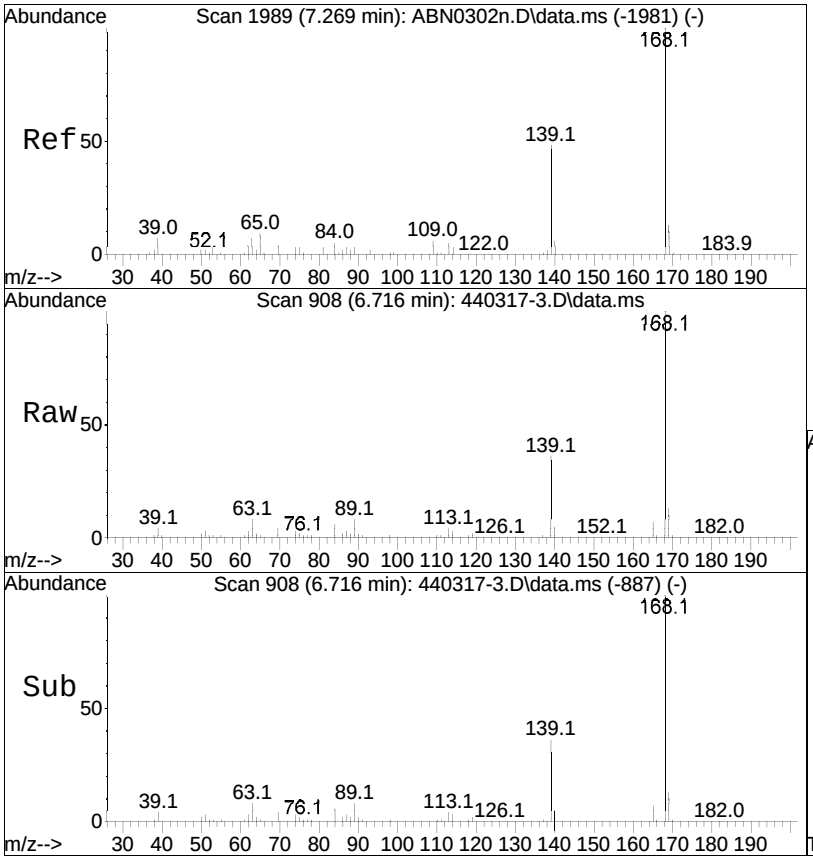


#66
2,4-Dinitrophenol
Concen: 28.63 ug/ml
RT: 6.610 min Scan# 890
Delta R.T. 0.000 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:184 Resp: 63807

Ion	Ratio	Lower	Upper
184	100		
107	39.4	40.6	61.0#
91	45.6	47.3	70.9#

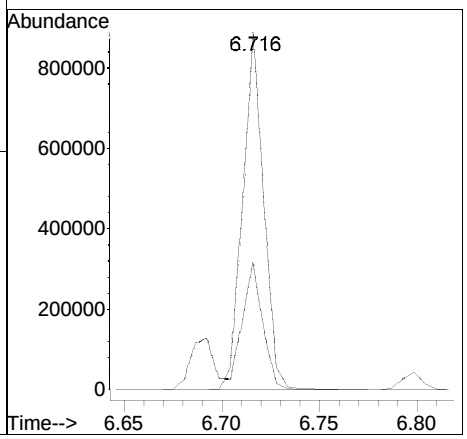


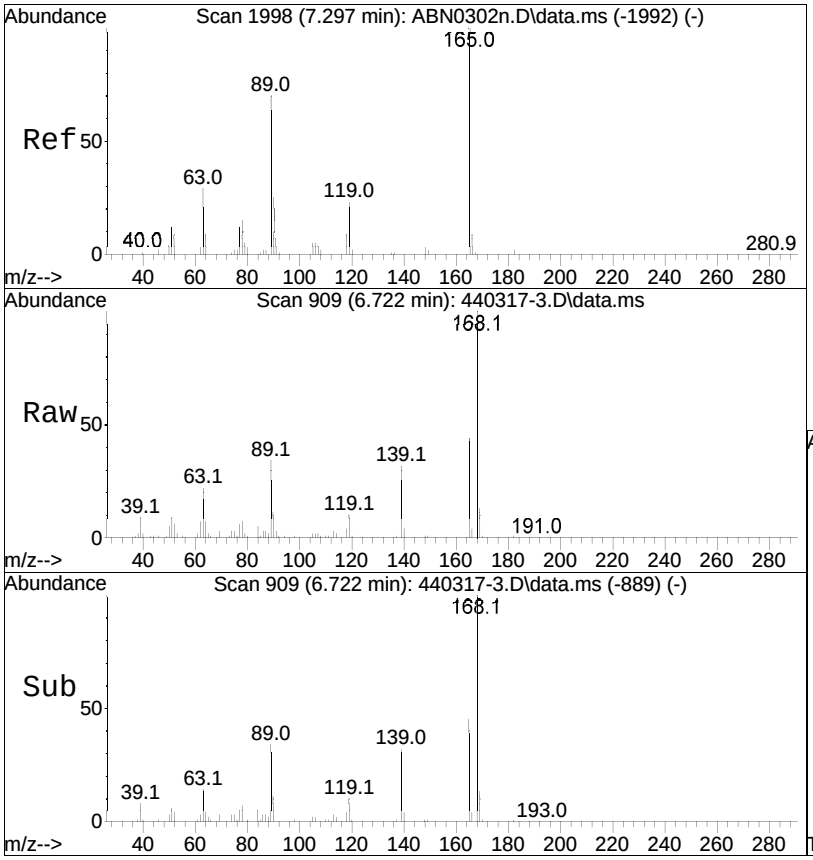


#67
Dibenzofuran
Concen: 29.65 ug/ml
RT: 6.716 min Scan# 908
Delta R.T. 0.000 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:168 Resp: 654364

Ion	Ratio	Lower	Upper
168	100		
139	34.4	33.3	49.9

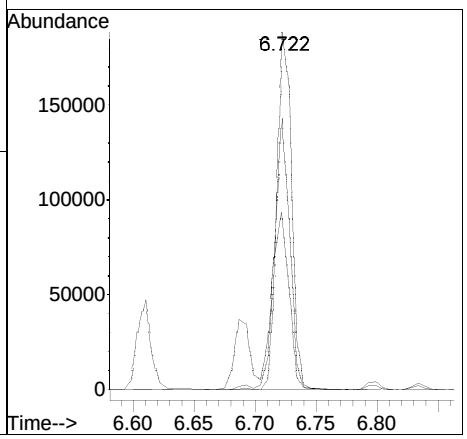


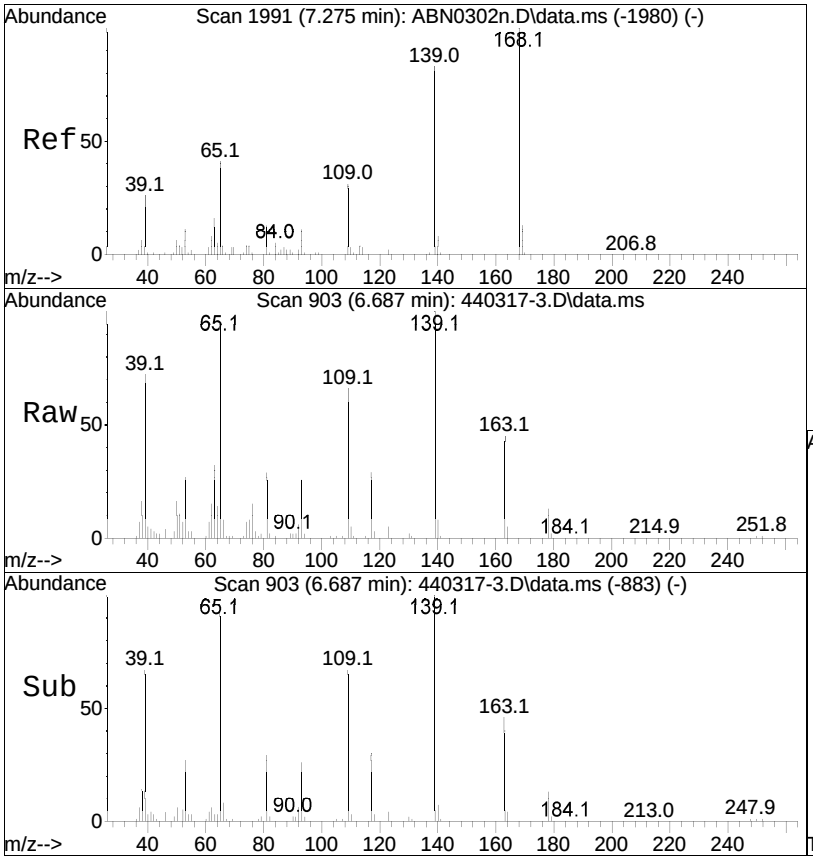


#68
2,4-Dinitrotoluene
Concen: 31.67 ug/ml
RT: 6.722 min Scan# 909
Delta R.T. -0.006 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:165 Resp: 157186

Ion	Ratio	Lower	Upper
165	100		
89	78.0	82.6	124.0#
63	56.2	56.9	85.3#

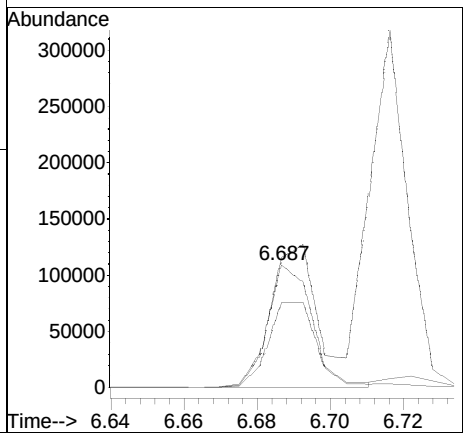


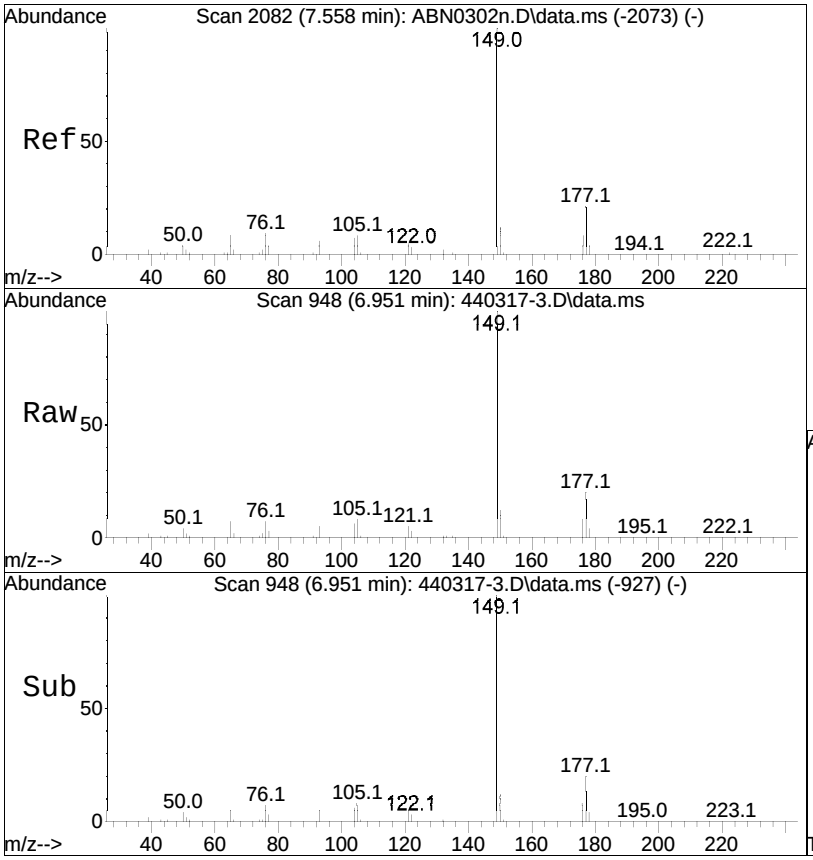


#69
4-Nitrophenol
Concen: 32.42 ug/ml
RT: 6.687 min Scan# 903
Delta R.T. -0.006 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion: 65 Resp: 92796

Ion	Ratio	Lower	Upper
65	100		
109	77.4	60.7	91.1
139	124.5	90.3	135.5

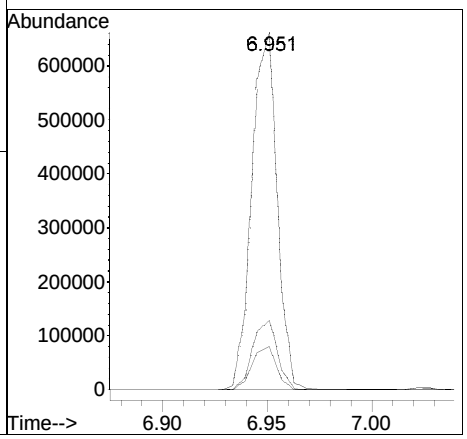


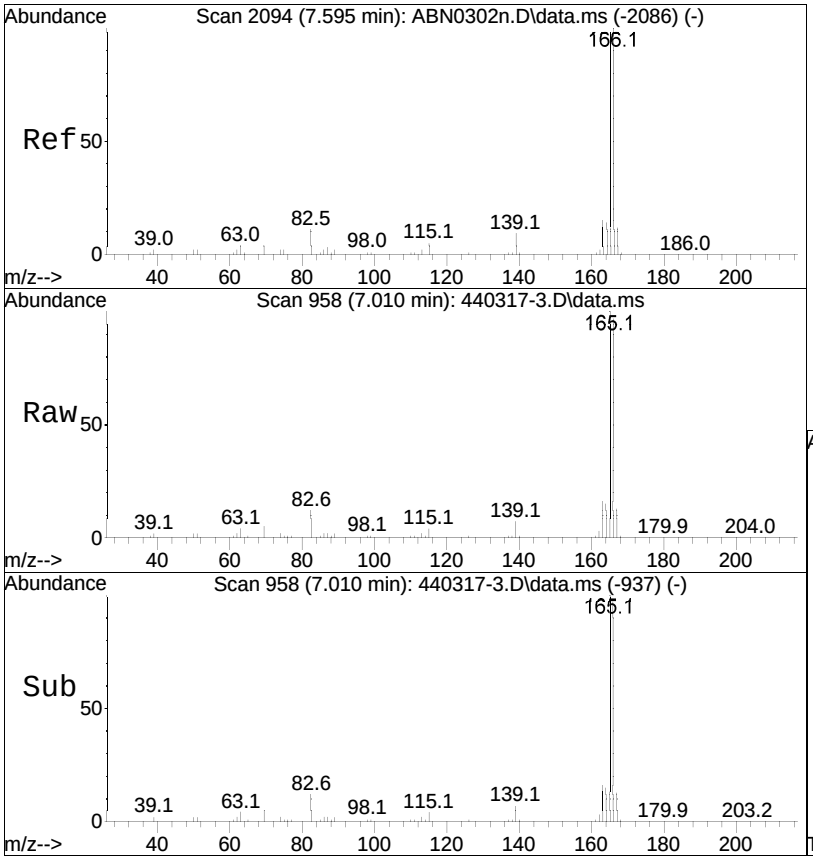


#72
Diethyl phthalate
Concen: 28.61 ug/ml
RT: 6.951 min Scan# 948
Delta R.T. 0.000 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:149 Resp: 552167

Ion	Ratio	Lower	Upper
149	100		
177	19.4	14.7	22.1
150	11.9	9.4	14.0

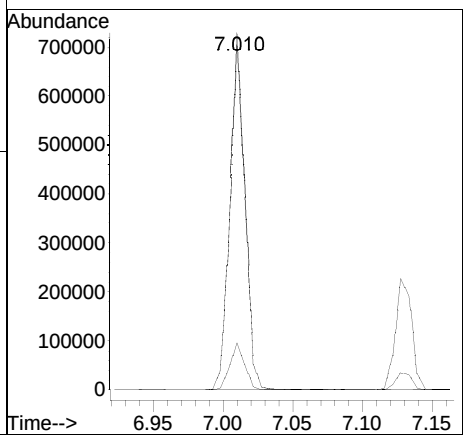


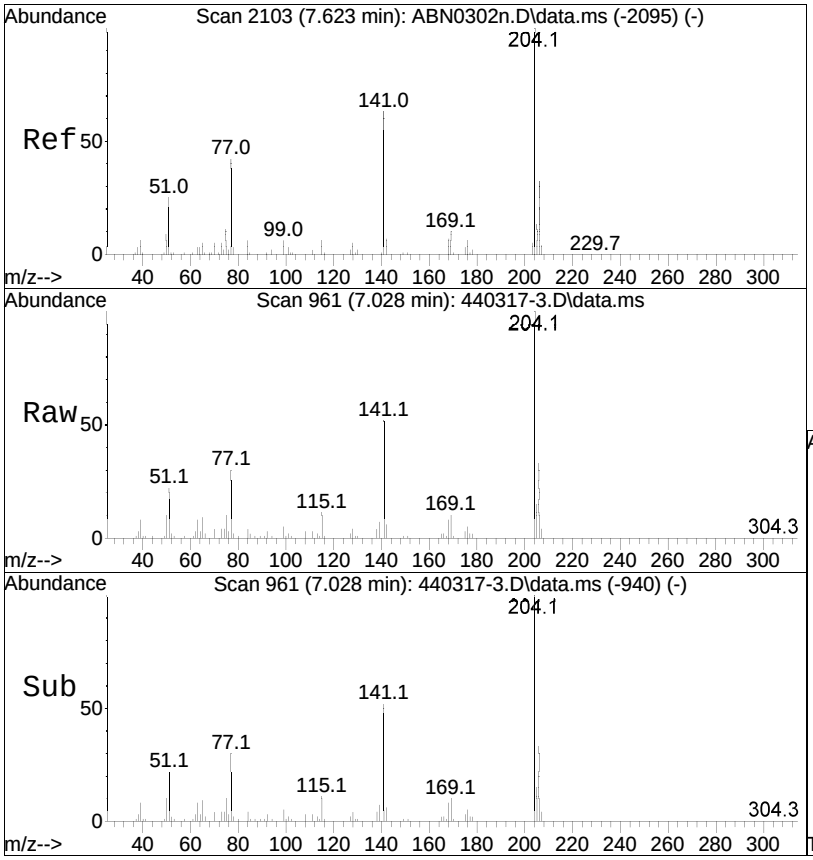


#73
Fluorene
Concen: 29.42 ug/ml
RT: 7.010 min Scan# 958
Delta R.T. 0.000 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:166 Resp: 533444

Ion	Ratio	Lower	Upper
166	100		
165	102.9	76.7	115.1
167	13.6	11.0	16.4

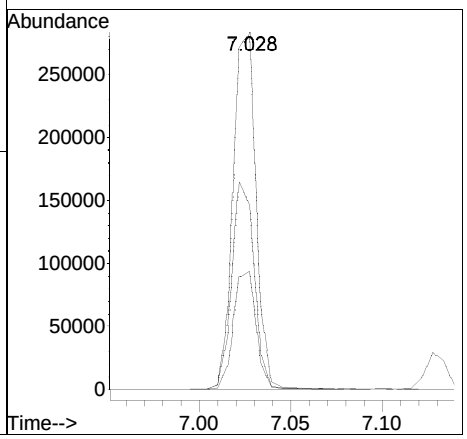


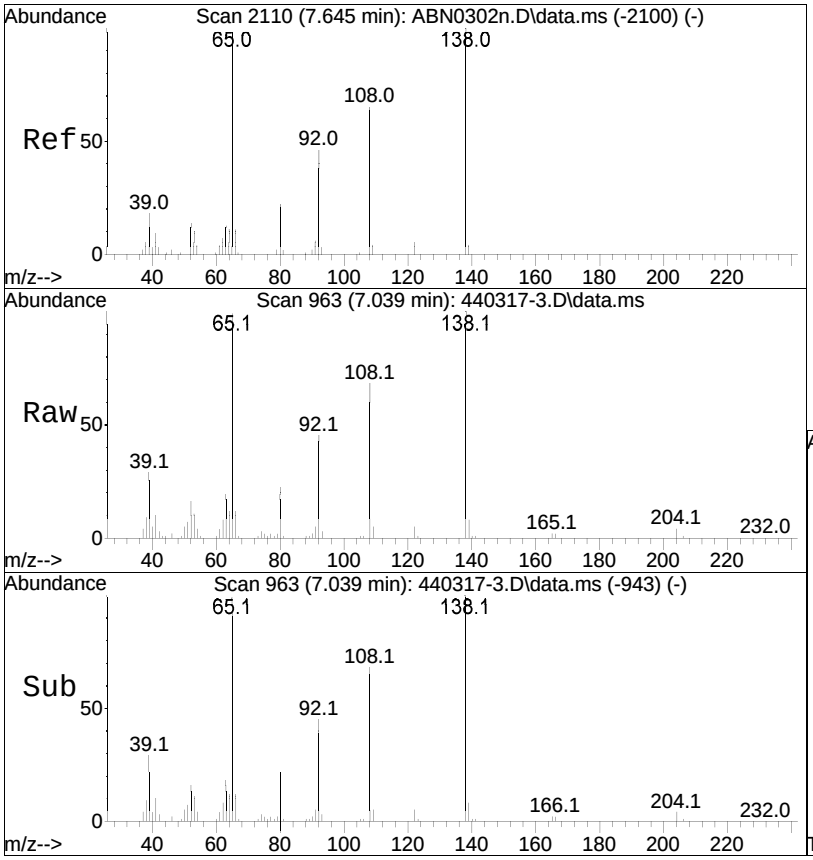


#74
4-Chlorophenyl phenyl ether
Concen: 28.03 ug/ml
RT: 7.028 min Scan# 961
Delta R.T. 0.000 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:204 Resp: 245919

Ion	Ratio	Lower	Upper
204	100		
206	33.1	25.8	38.6
141	56.8	56.2	84.4

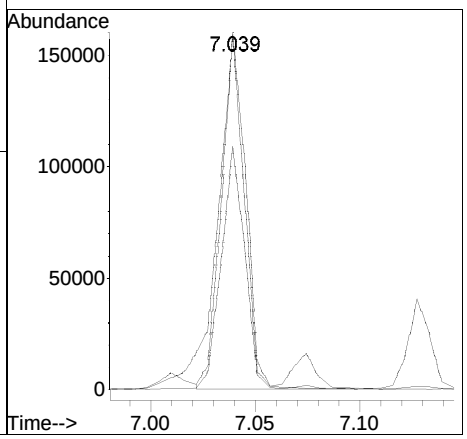


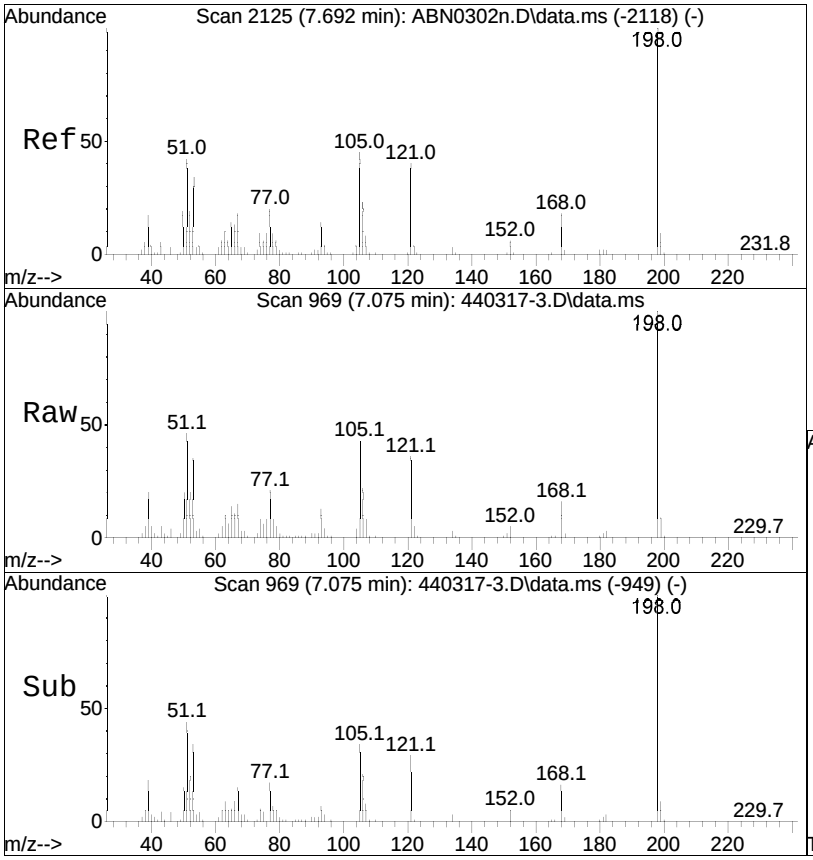


#75
4-Nitroaniline
Concen: 29.16 ug/ml
RT: 7.039 min Scan# 963
Delta R.T. -0.006 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:138 Resp: 127679

Ion	Ratio	Lower	Upper
138	100		
108	66.2	54.2	81.4
65	109.5	88.2	132.4

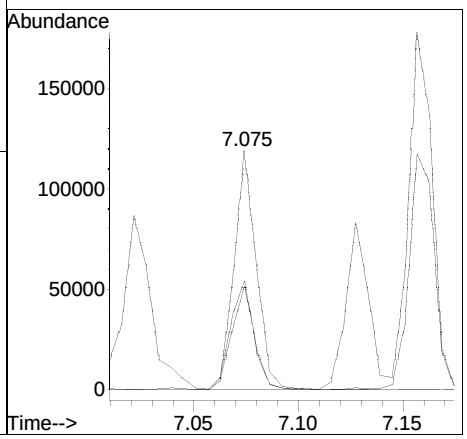


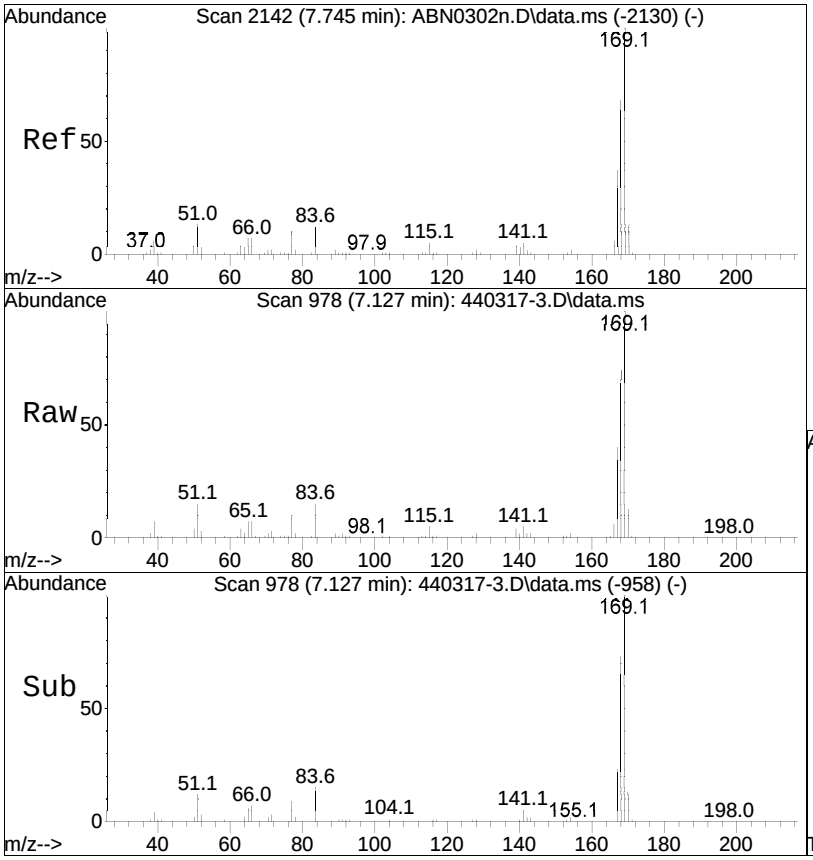


#76
4,6-Dinitro-o-cresol
Concen: 32.43 ug/ml
RT: 7.075 min Scan# 969
Delta R.T. -0.006 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:198 Resp: 89085

Ion	Ratio	Lower	Upper
198	100		
51	46.0	41.0	61.4
105	43.8	49.0	73.4#

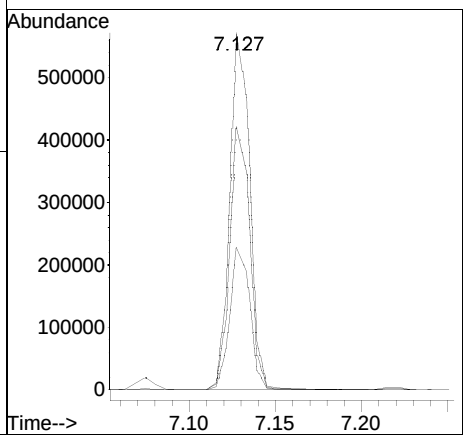


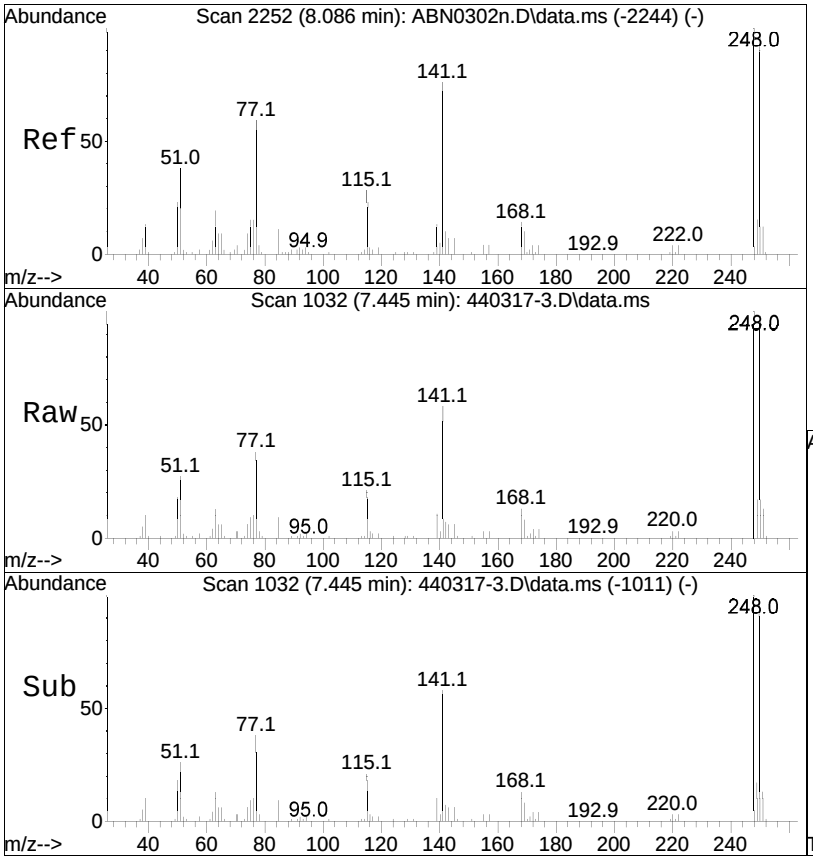


#77
NDPA/DPA
Concen: 29.57 ug/ml
RT: 7.127 min Scan# 978
Delta R.T. -0.006 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:169 Resp: 461284

Ion	Ratio	Lower	Upper
169	100		
168	73.7	58.2	87.4
167	40.7	31.7	47.5

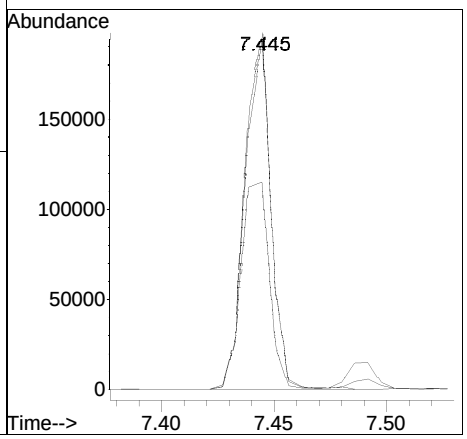


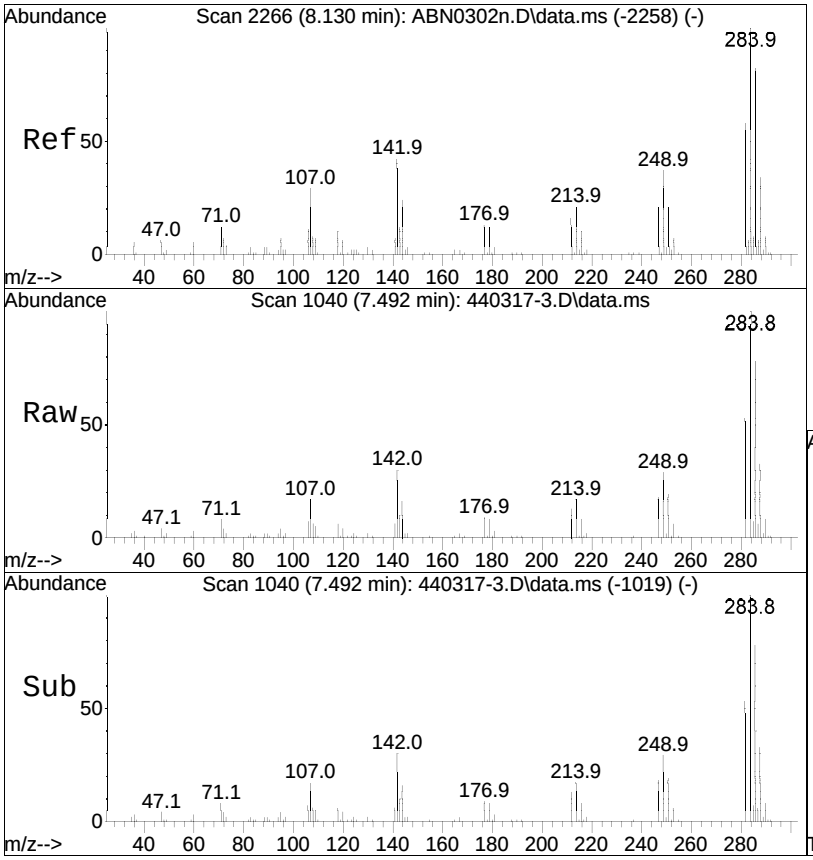


#80
4-Bromophenyl phenyl ether
Concen: 28.11 ug/ml
RT: 7.445 min Scan# 1032
Delta R.T. 0.000 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:248 Resp: 157646

Ion	Ratio	Lower	Upper
248	100		
141	63.8	68.2	102.4#
250	96.5	76.5	114.7

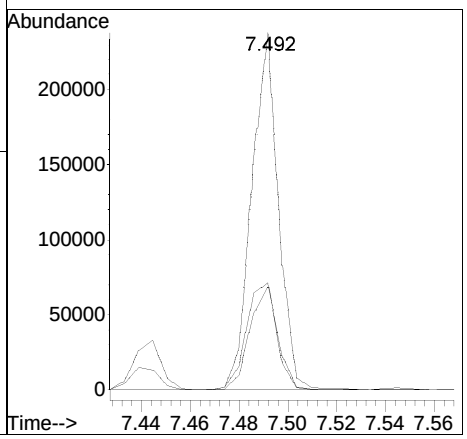


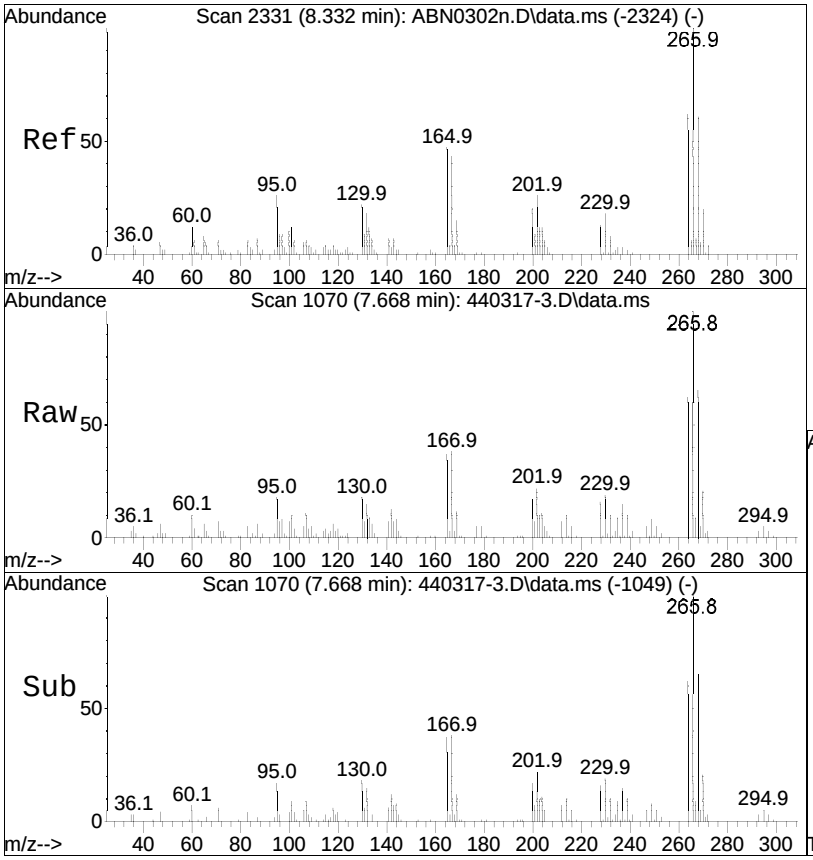


#81
Hexachlorobenzene
Concen: 26.49 ug/ml
RT: 7.492 min Scan# 1040
Delta R.T. 0.000 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:284 Resp: 179751

Ion	Ratio	Lower	Upper
284	100		
142	34.1	38.1	57.1#
249	30.8	20.7	31.1

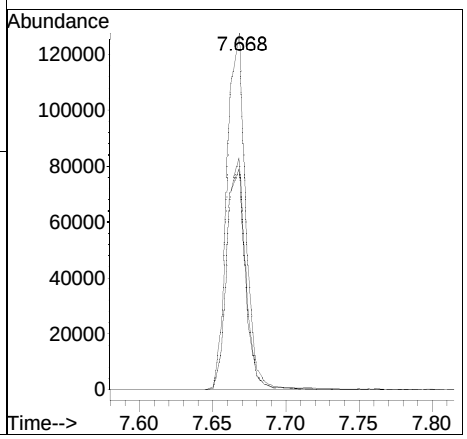


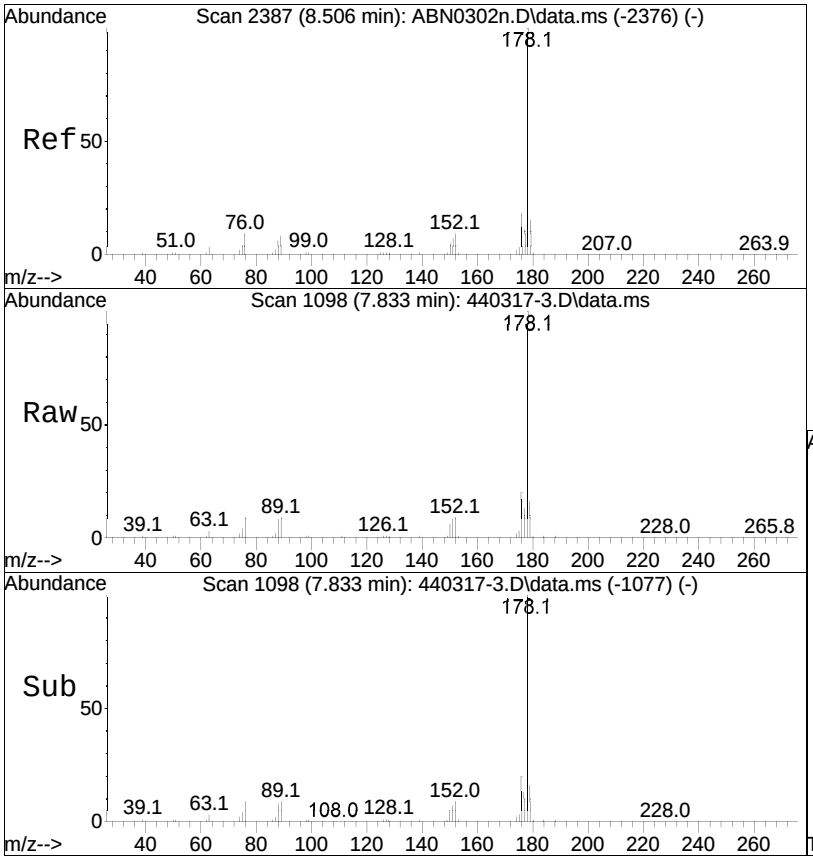


#82
Pentachlorophenol
Concen: 30.30 ug/ml
RT: 7.668 min Scan# 1070
Delta R.T. 0.000 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:266 Resp: 113155

Ion	Ratio	Lower	Upper
266	100		
264	62.7	49.4	74.2
268	64.9	51.1	76.7

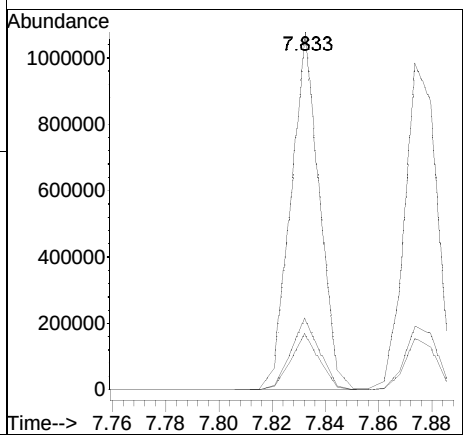


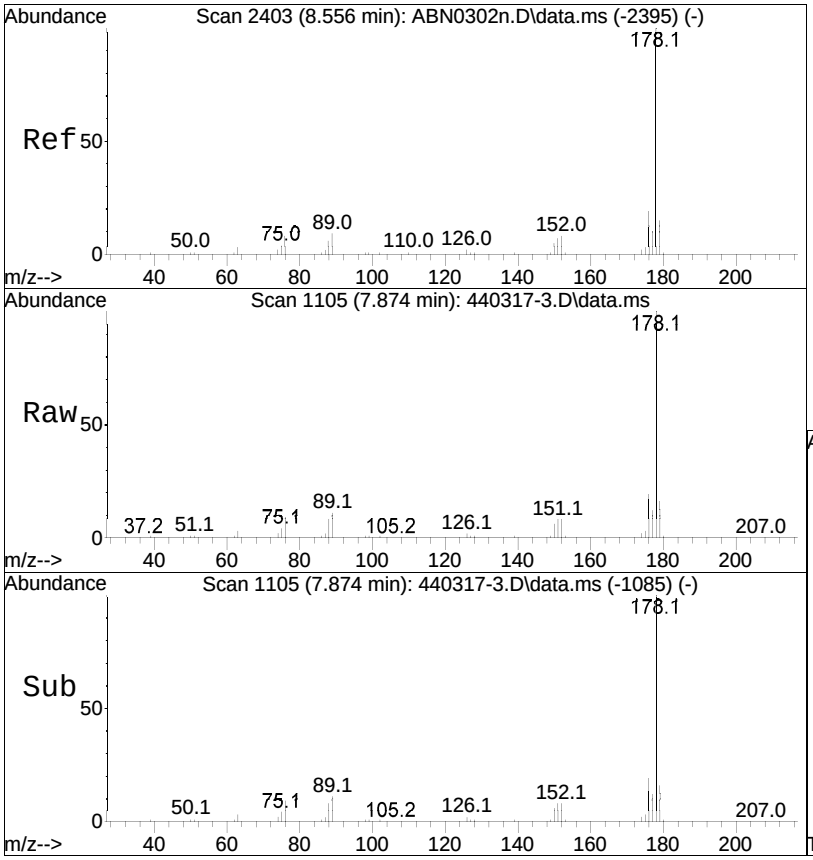


#89
Phenanthrene
Concen: 29.44 ug/ml
RT: 7.833 min Scan# 1098
Delta R.T. 0.000 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:178 Resp: 805295

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.9	19.3
176	20.1	16.7	25.1

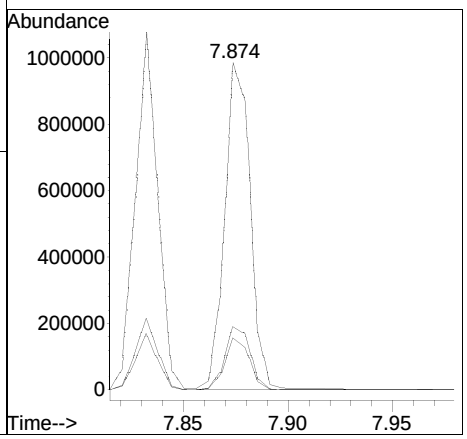


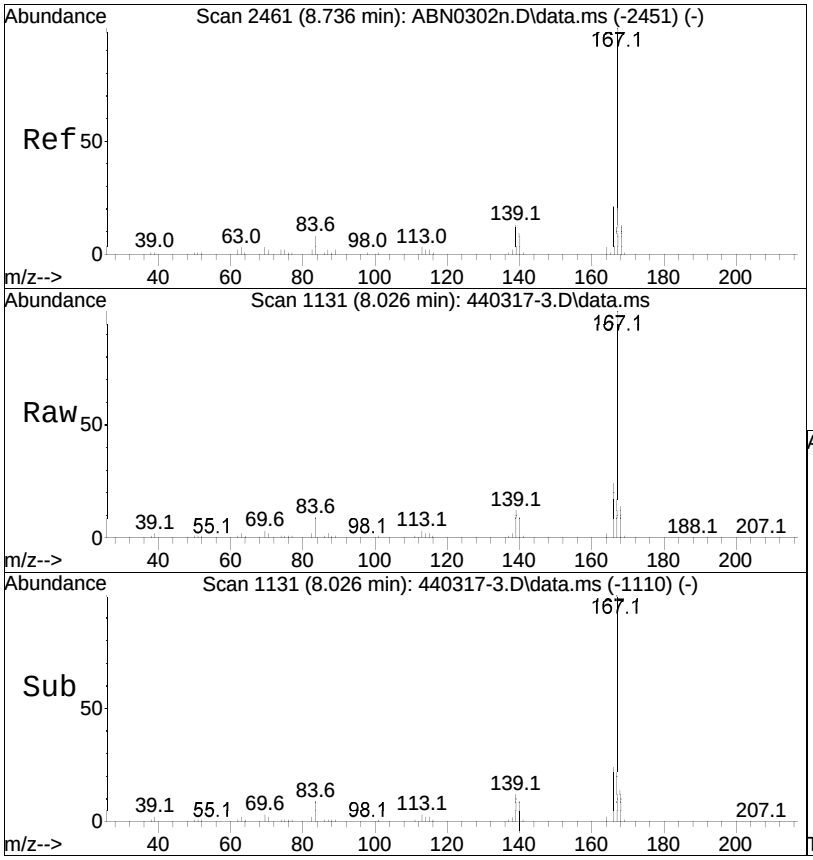


#90
Anthracene
Concen: 29.19 ug/ml
RT: 7.874 min Scan# 1105
Delta R.T. -0.006 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:178 Resp: 834008

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.7	19.1
176	19.5	16.6	24.8

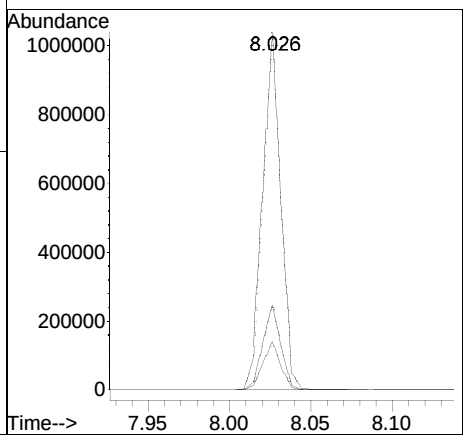


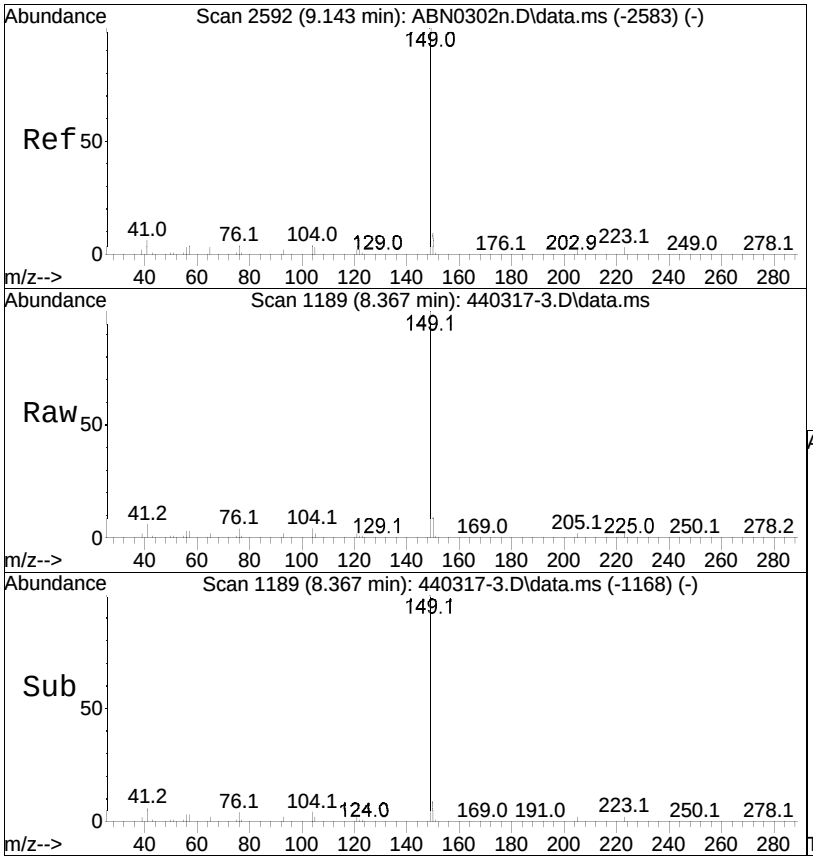


#91
Carbazole
Concen: 30.00 ug/ml
RT: 8.026 min Scan# 1131
Delta R.T. 0.000 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:167 Resp: 789905

Ion	Ratio	Lower	Upper
167	100		
168	13.5	11.3	16.9
166	23.9	18.9	28.3

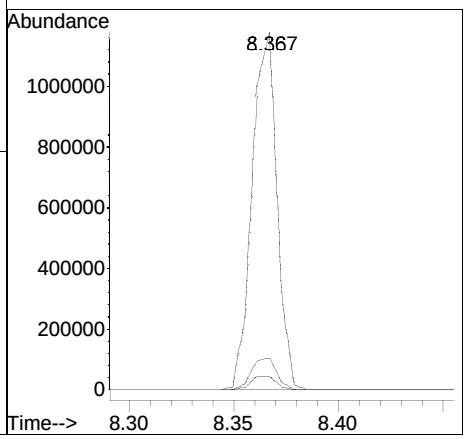


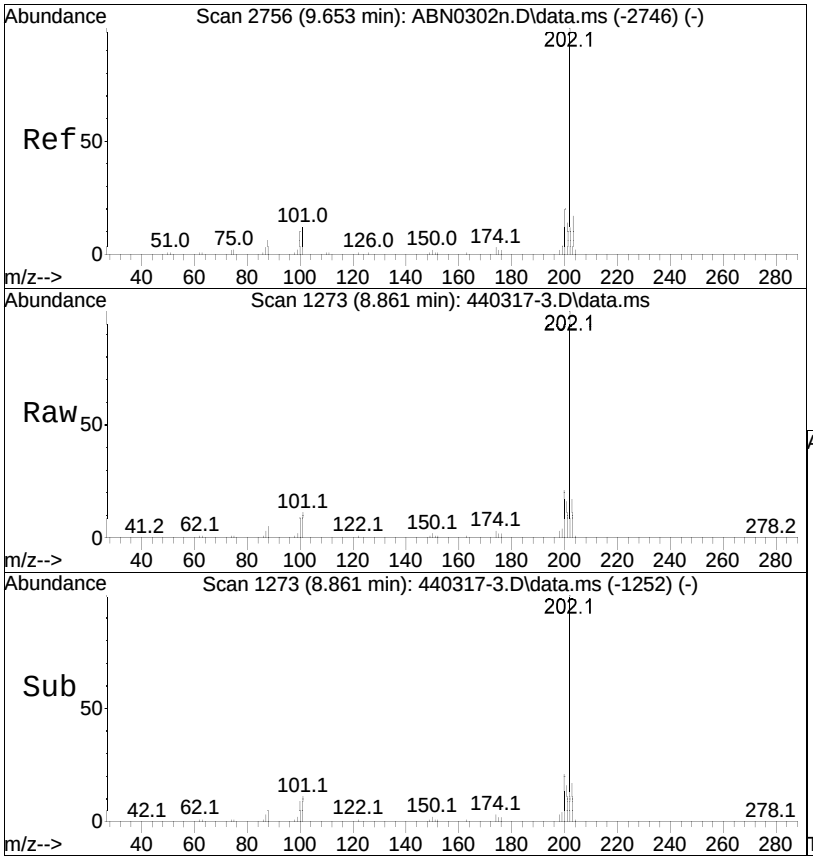


#92
Di-n-butylphthalate
Concen: 30.46 ug/ml
RT: 8.367 min Scan# 1189
Delta R.T. 0.000 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:149 Resp: 959098

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.8	11.6
104	4.1	4.8	7.2#

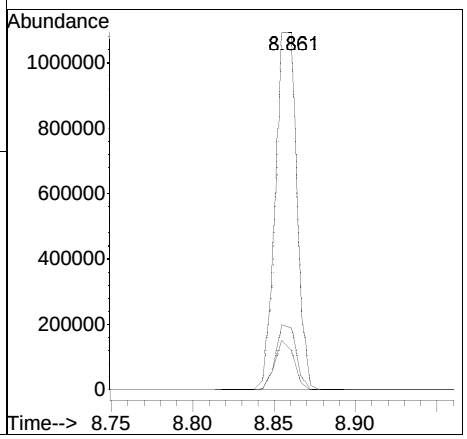


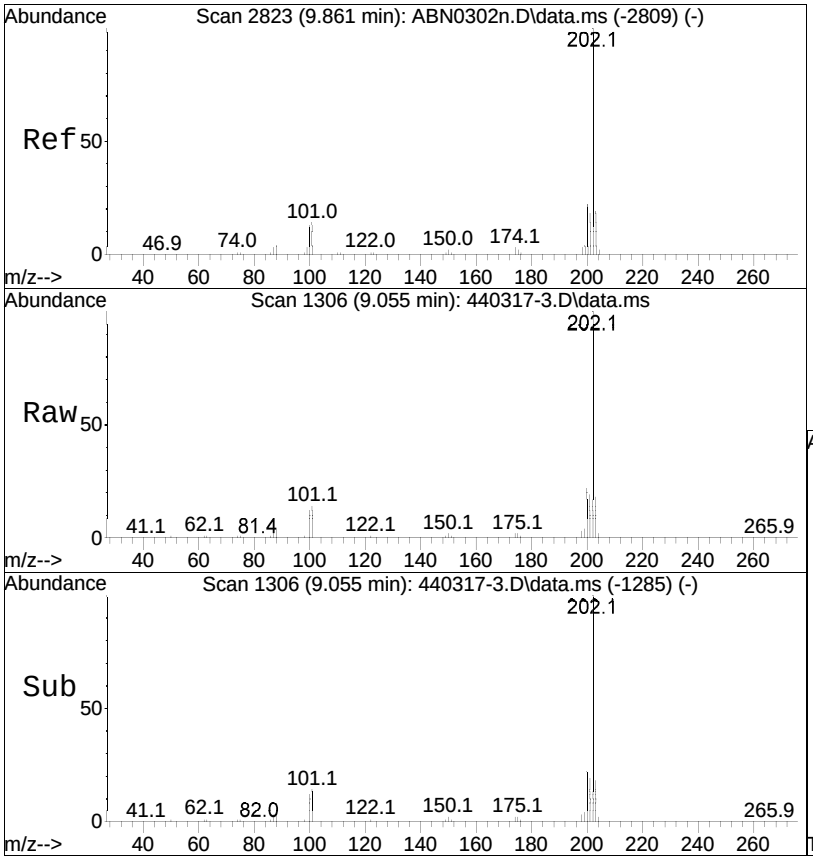


#93
Fluoranthene
Concen: 29.88 ug/ml
RT: 8.861 min Scan# 1273
Delta R.T. 0.000 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:202 Resp: 987408

Ion	Ratio	Lower	Upper
202	100		
101	12.9	18.6	28.0#
203	17.9	14.2	21.2

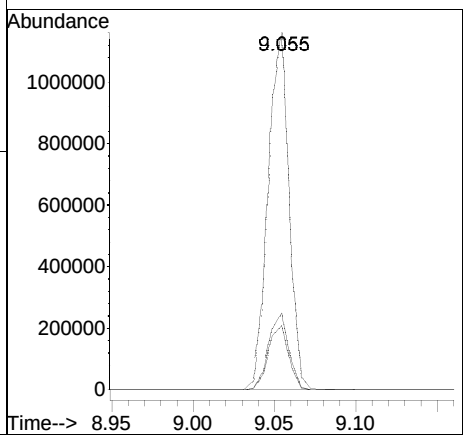


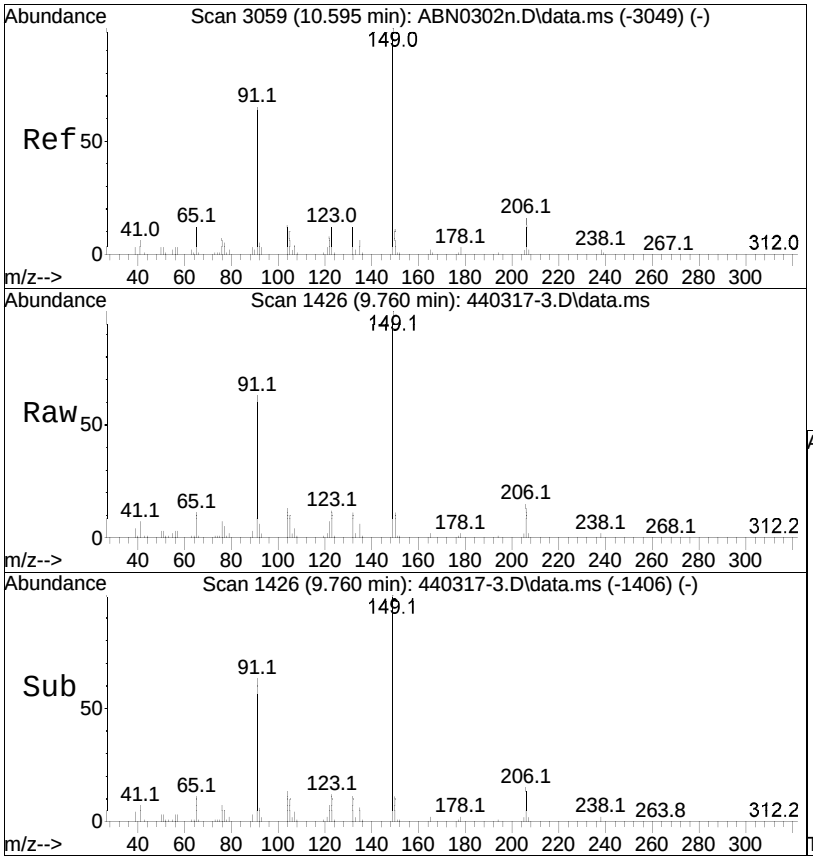


#95
Pyrene
Concen: 29.35 ug/ml
RT: 9.055 min Scan# 1306
Delta R.T. 0.000 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:202 Resp: 1021791

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.8	26.8
203	17.8	14.7	22.1

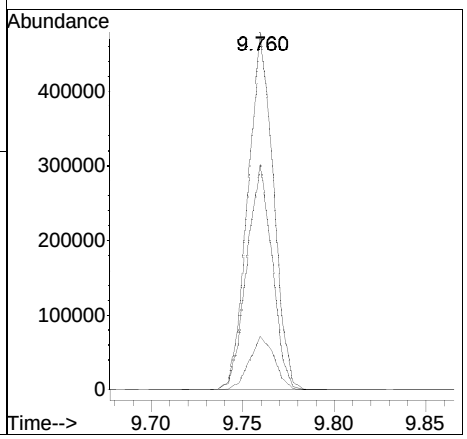


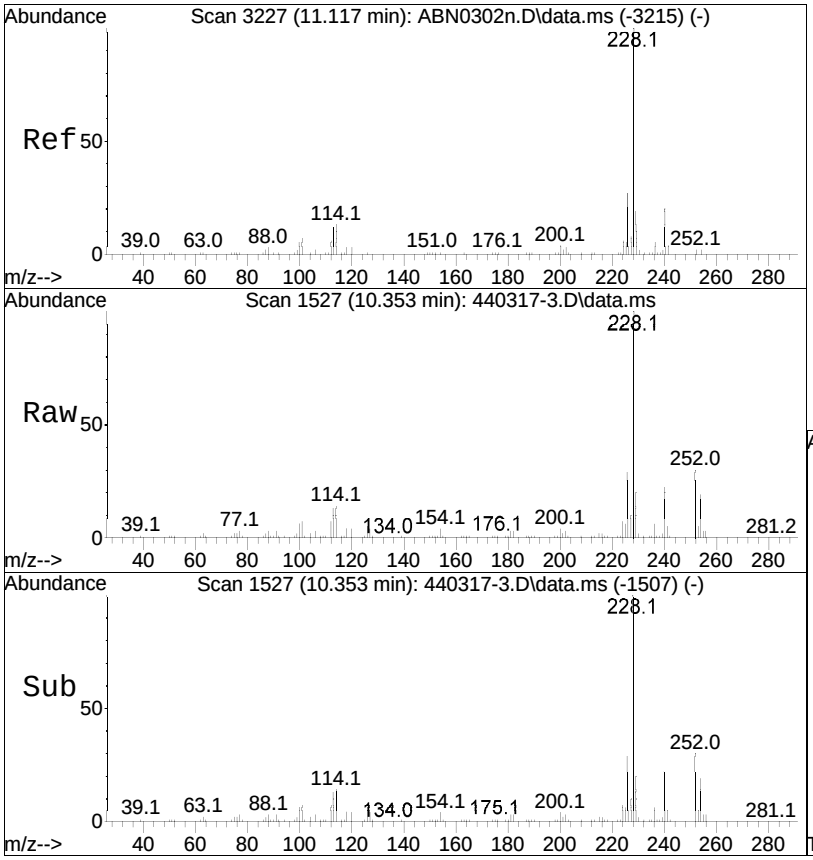


#97
Butyl benzyl phthalate
Concen: 32.22 ug/ml
RT: 9.760 min Scan# 1426
Delta R.T. -0.006 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:149 Resp: 458575

Ion	Ratio	Lower	Upper
149	100		
91	62.8	69.0	103.6#
206	14.8	11.8	17.8

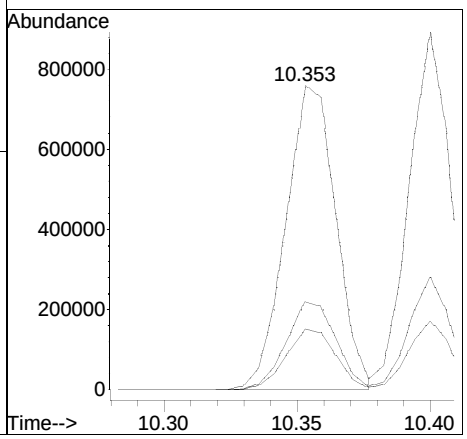


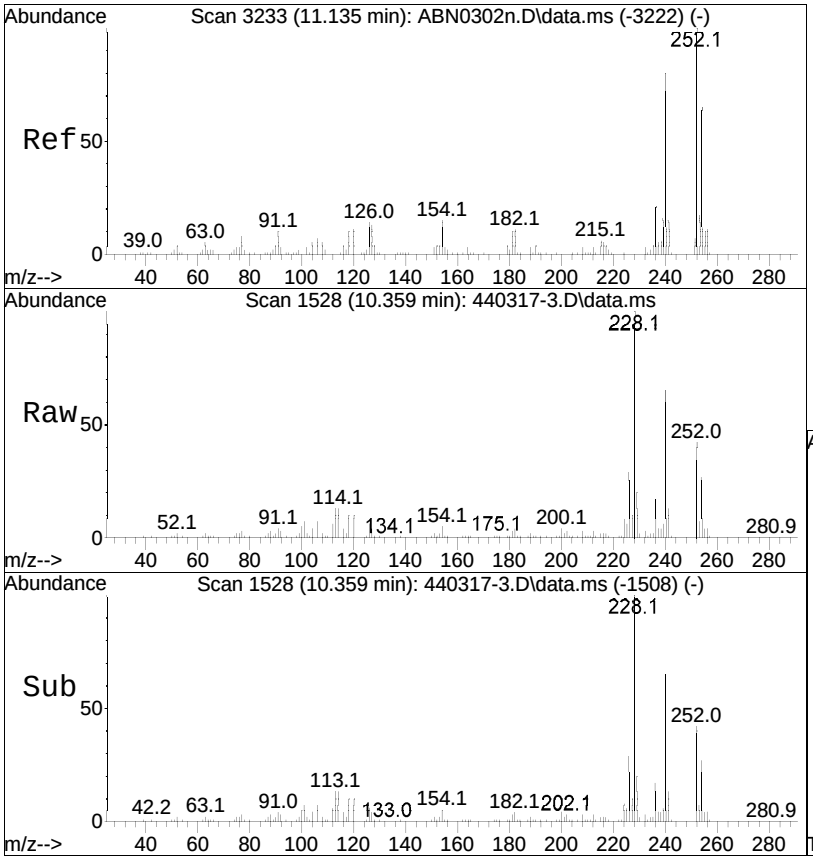


#105
Benzo(a)anthracene
Concen: 28.24 ug/ml
RT: 10.353 min Scan# 1527
Delta R.T. -0.006 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:228 Resp: 996560

Ion	Ratio	Lower	Upper
228	100		
226	28.8	23.7	35.5
229	19.8	16.2	24.4

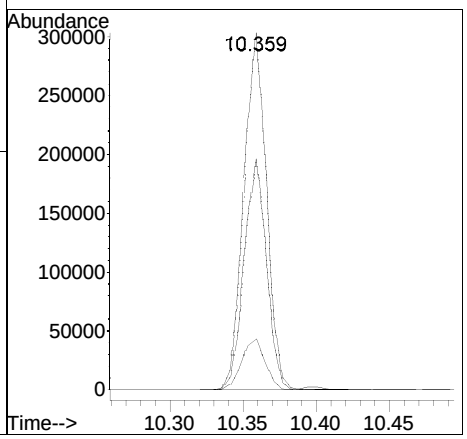


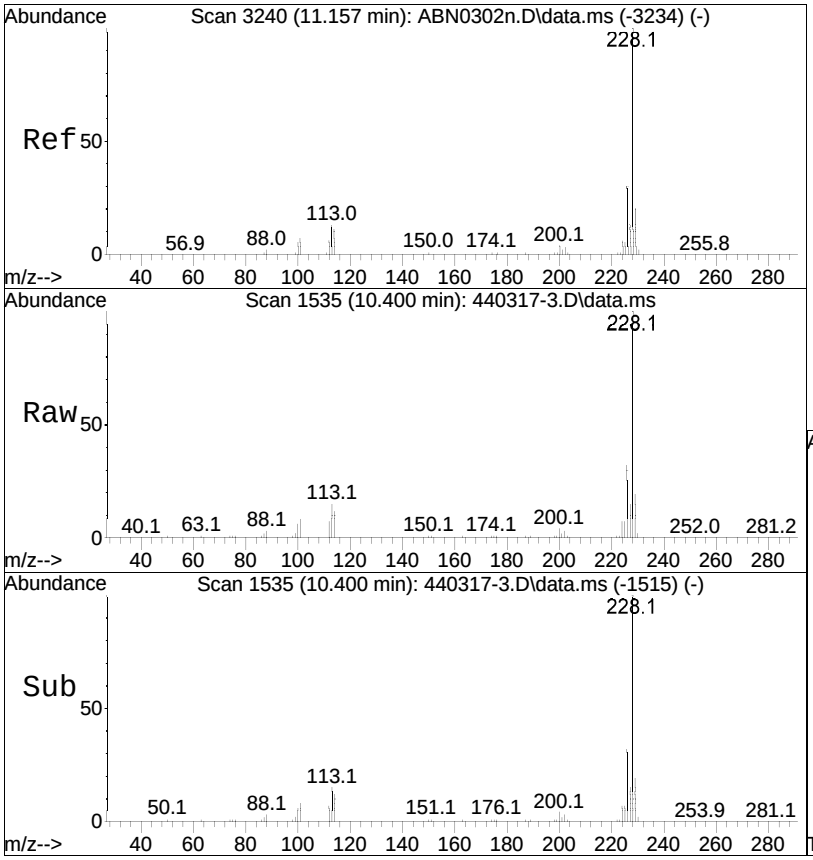


#106
3,3'-Dichlorobenzidine
Concen: 24.52 ug/ml
RT: 10.359 min Scan# 1528
Delta R.T. -0.006 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:252 Resp: 323059

Ion	Ratio	Lower	Upper
252	100		
126	15.0	17.8	26.6#
254	64.0	51.8	77.6

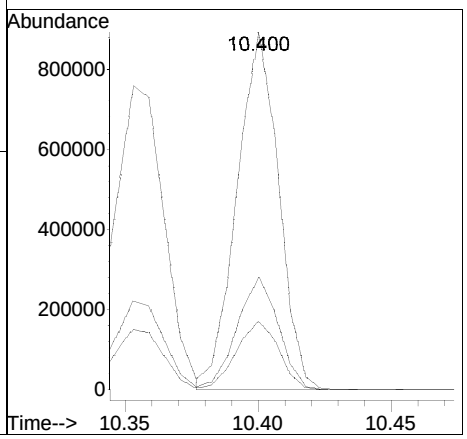


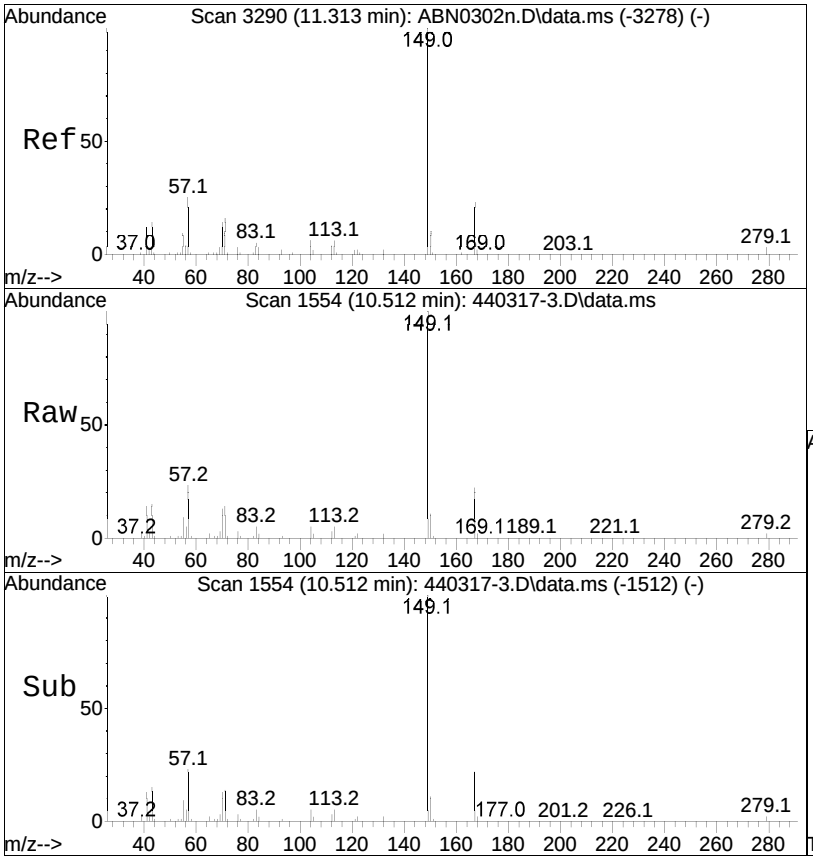


#107
Chrysene
Concen: 29.41 ug/ml
RT: 10.400 min Scan# 1535
Delta R.T. -0.006 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:228 Resp: 968784

Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.9	38.9
229	19.6	16.2	24.4

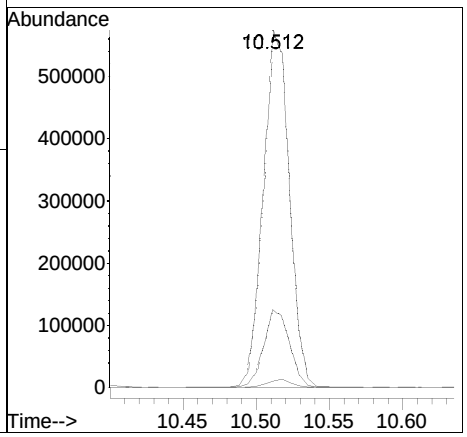


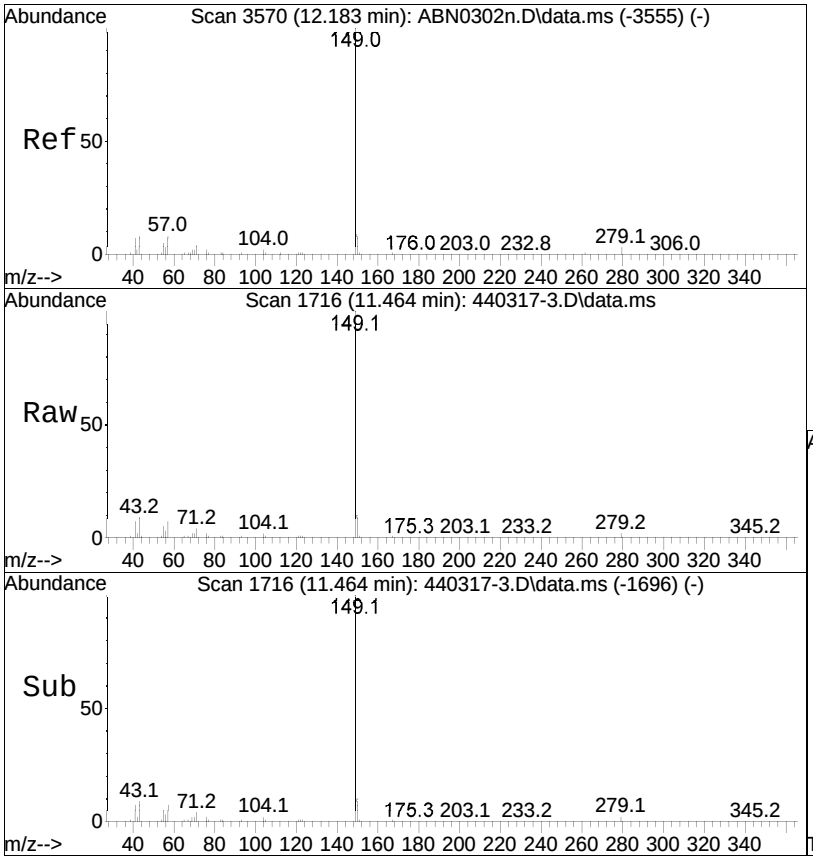


#108
Bis(2-ethylhexyl)phthalate
Concen: 32.67 ug/ml
RT: 10.512 min Scan# 1554
Delta R.T. -0.006 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:149 Resp: 699847

Ion	Ratio	Lower	Upper
149	100		
167	21.8	21.0	31.4
279	2.0	3.6	5.4#

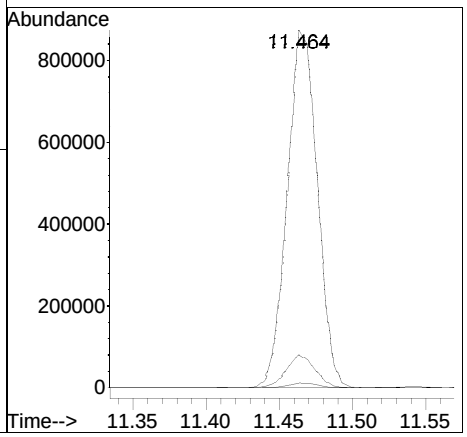


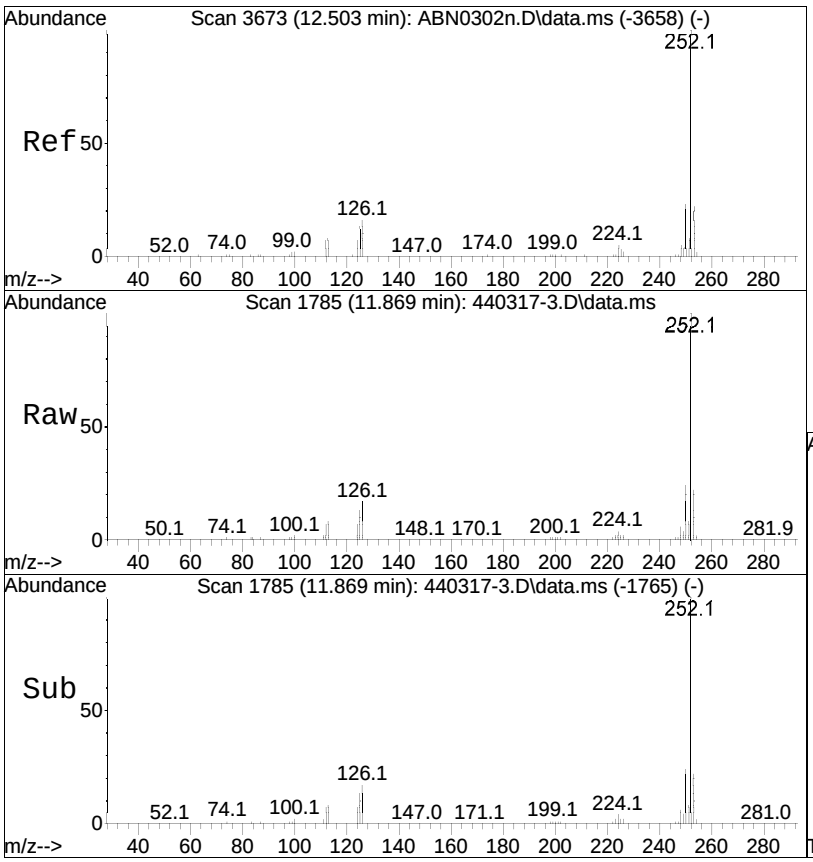


#109
Di-n-octylphthalate
Concen: 33.68 ug/ml
RT: 11.464 min Scan# 1716
Delta R.T. -0.006 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:149 Resp: 1235777

Ion	Ratio	Lower	Upper
149	100		
43	8.7	8.4	12.6
167	1.3	1.0	1.6

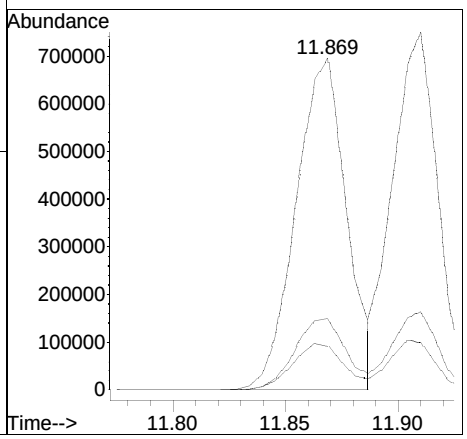


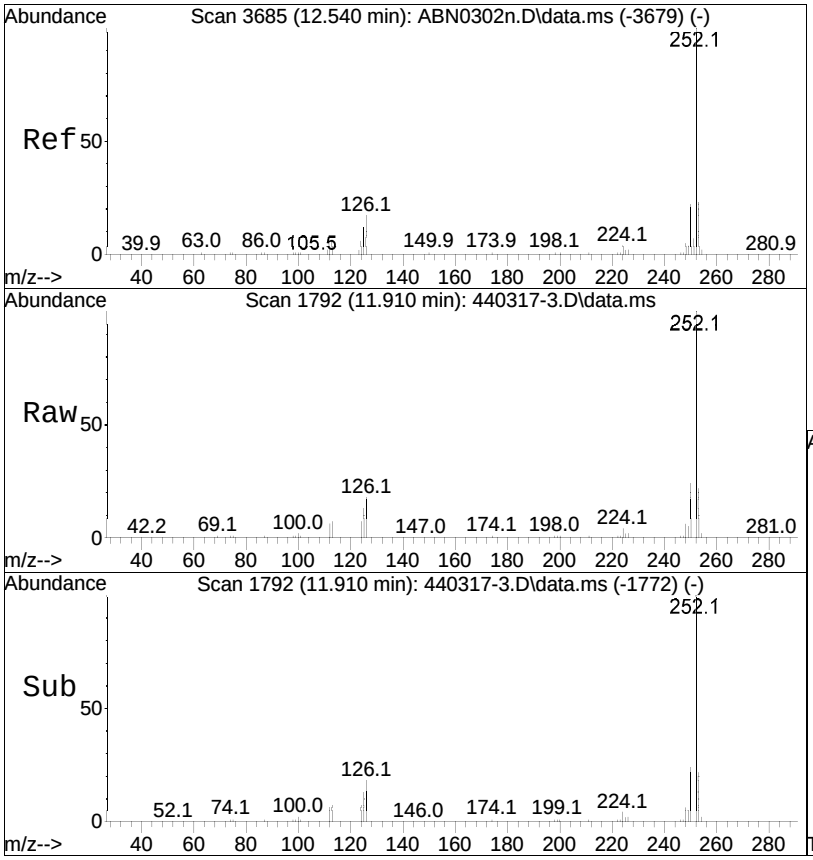


#110
Benzo(b)fluoranthene
Concen: 30.52 ug/ml
RT: 11.869 min Scan# 1785
Delta R.T. -0.006 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:252 Resp: 1090826

Ion	Ratio	Lower	Upper
252	100		
125	14.6	16.9	25.3#
253	21.9	17.7	26.5

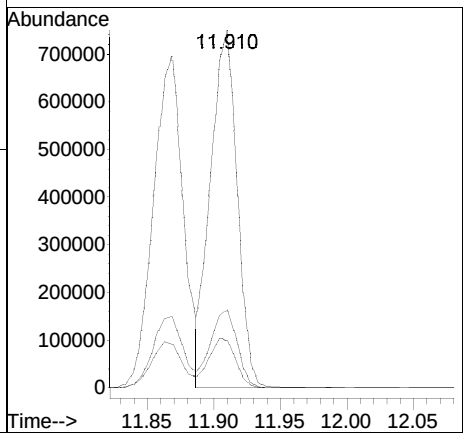


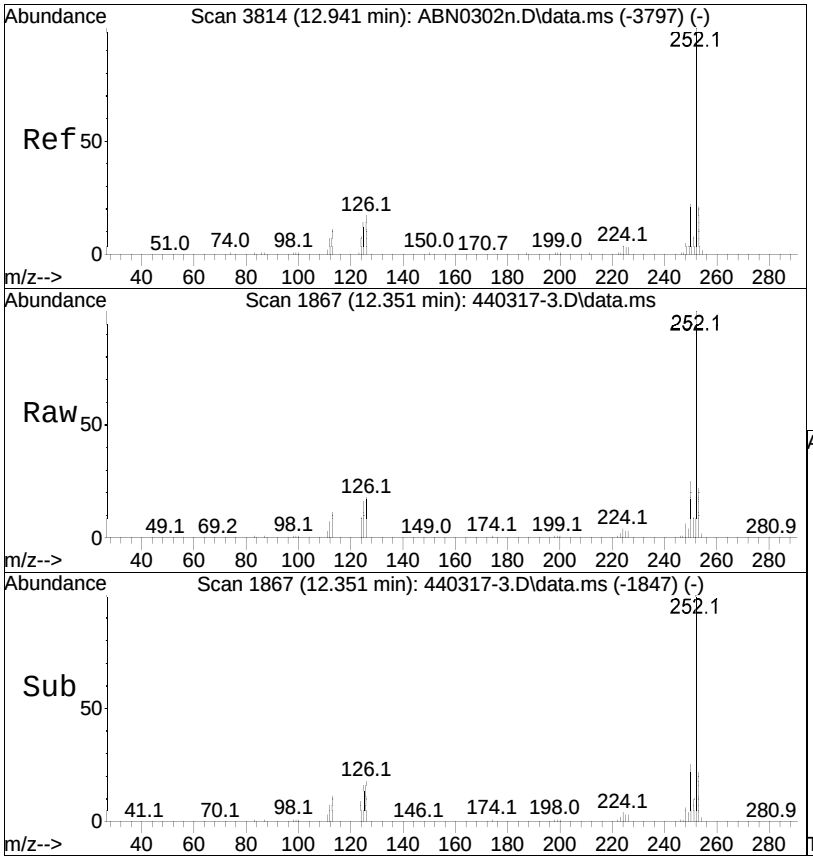


#111
Benzo(k)fluoranthene
Concen: 30.92 ug/ml
RT: 11.910 min Scan# 1792
Delta R.T. -0.006 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:252 Resp: 1036045

Ion	Ratio	Lower	Upper
252	100		
125	13.9	16.6	25.0#
253	21.9	17.7	26.5

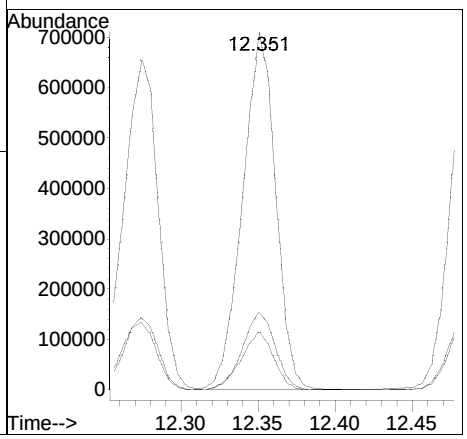


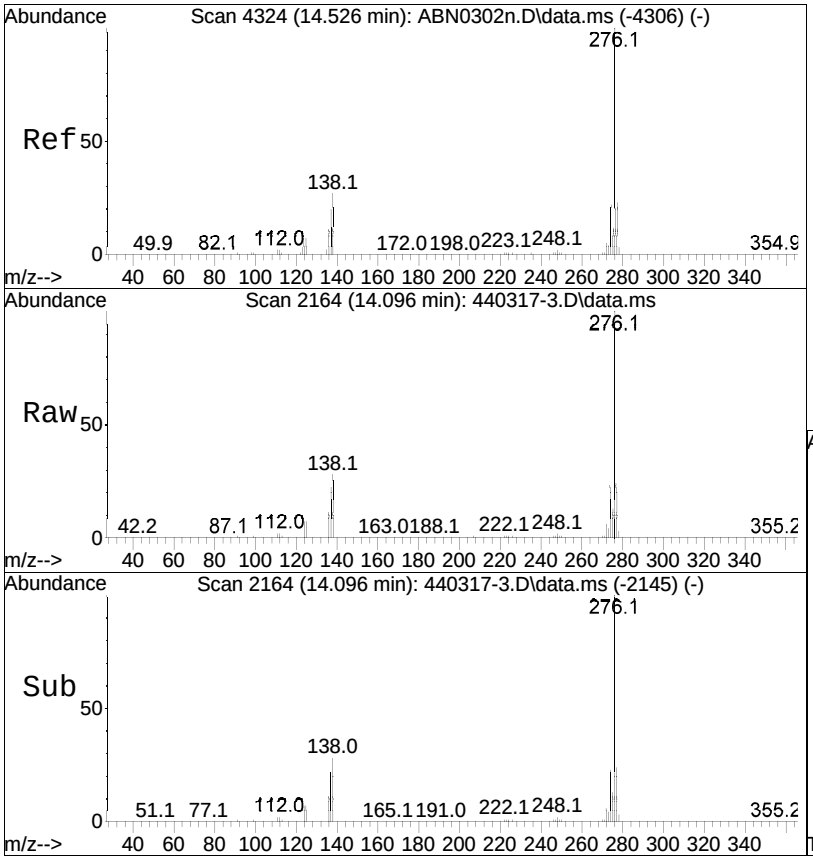


#112
Benzo(a)pyrene
Concen: 34.84 ug/ml
RT: 12.351 min Scan# 1867
Delta R.T. -0.006 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:252 Resp: 1056415

Ion	Ratio	Lower	Upper
252	100		
125	15.8	18.3	27.5#
253	21.7	17.6	26.4

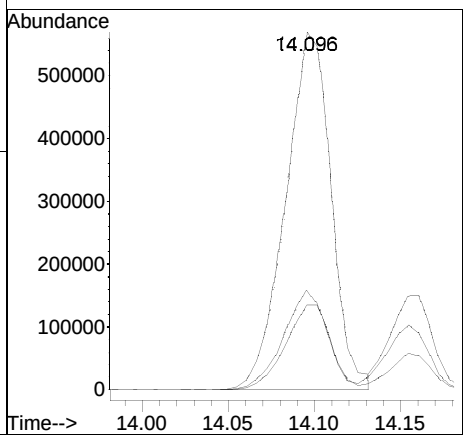


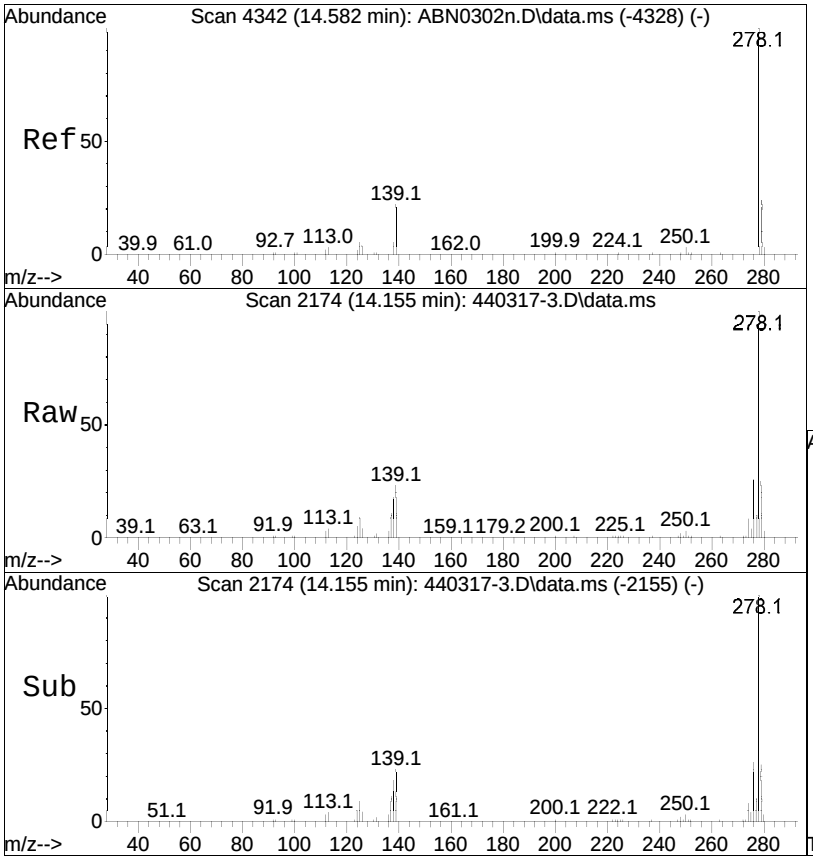


#114
Indeno(1,2,3-cd)pyrene
Concen: 31.73 ug/mL
RT: 14.096 min Scan# 2164
Delta R.T. -0.012 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:276 Resp: 1040385

Ion	Ratio	Lower	Upper
276	100		
138	27.2	29.6	44.4#
277	23.8	19.1	28.7

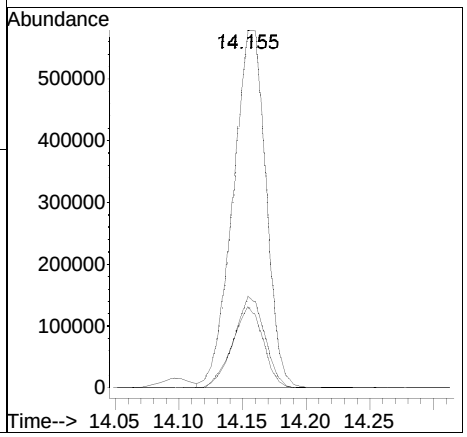


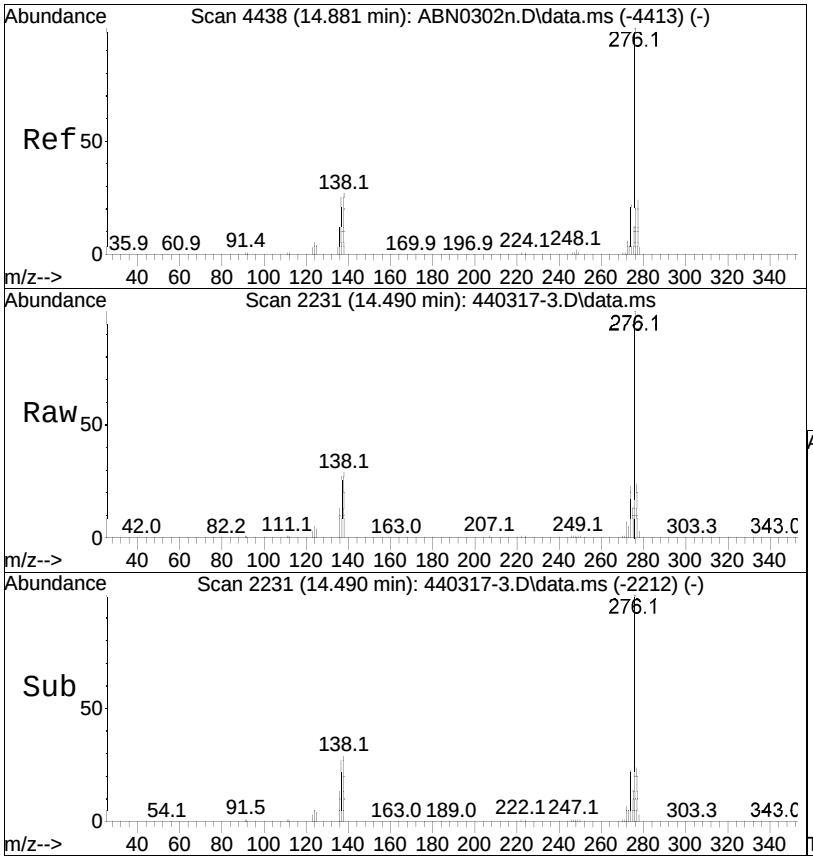


#115
Dibenzo(a,h)anthracene
Concen: 30.86 ug/ml
RT: 14.155 min Scan# 2174
Delta R.T. -0.012 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:278 Resp: 1035070

Ion	Ratio	Lower	Upper
278	100		
139	21.7	24.7	37.1#
279	24.5	19.6	29.4

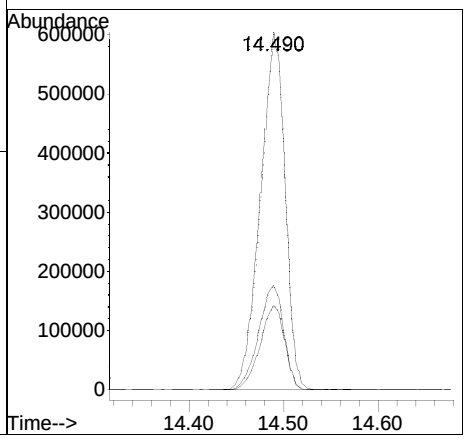




#116
Benzo(ghi)perylene
Concen: 30.90 ug/ml
RT: 14.490 min Scan# 2231
Delta R.T. -0.012 min
Lab File: 440317-3.D
Acq: 3 Dec 2020 9:57 am

Tgt Ion:276 Resp: 1083611

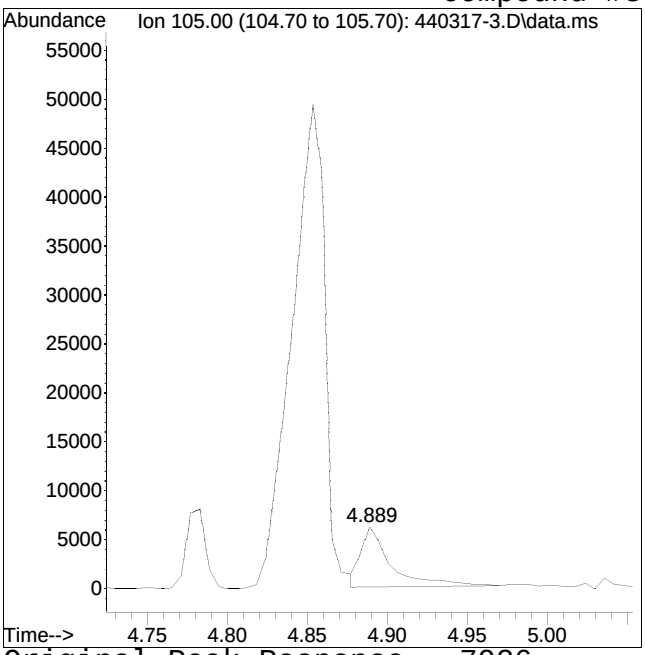
Ion	Ratio	Lower	Upper
276	100		
138	30.1	43.5	65.3#
277	24.0	22.6	33.8

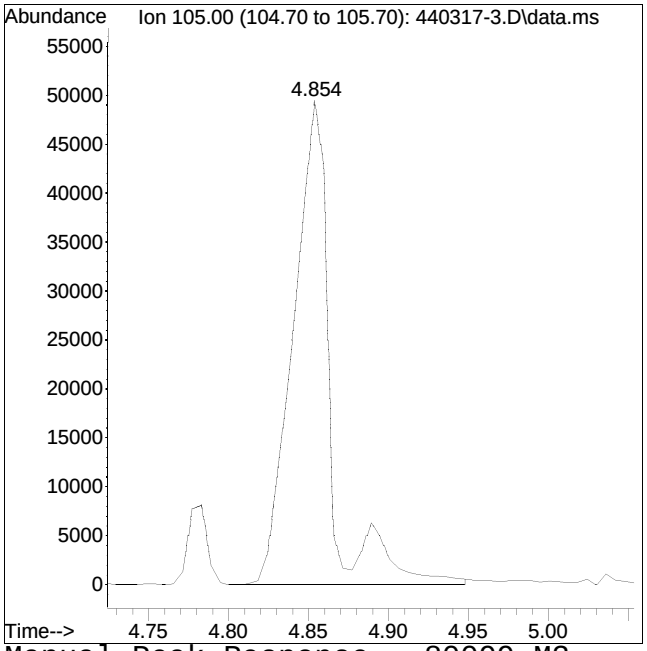


Manual Integration Report

Data Path	: I:\8270\Buffy\201203\	QMethod	: FS201120buffy.m
Data File	: 440317-3.D	Operator	: Buffy:jg
Date Inj'd	: 12/3/2020 9:57 am	Instrument	: Buffy
Sample	: WG1440317-3,32,,am	Quant Date	: 12/3/2020 12:49 pm

Compound #37: Benzoic Acid





Original Peak Response = 7926 Manual Peak Response = 80099 M3

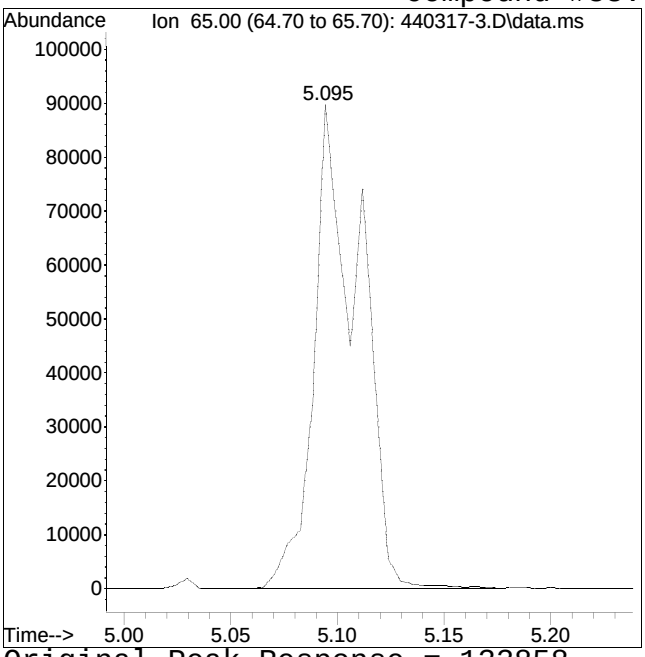
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

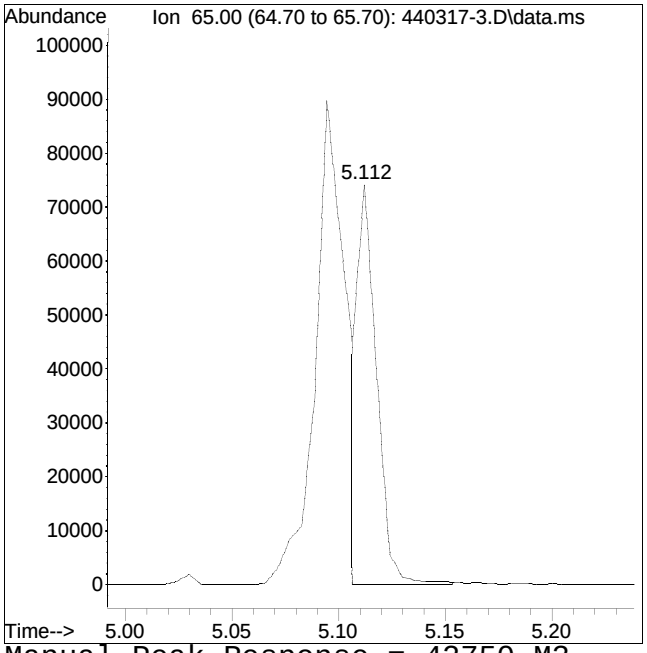
Manual Integration Report

Data Path : I:\8270\Buffy\201203\
Data File : 440317-3.D
Date Inj'd : 12/3/2020 9:57 am
Sample : WG1440317-3,32,,am

QMethod : FS201120buffy.m
Operator : Buffy:jg
Instrument : Buffy
Quant Date : 12/3/2020 12:49 pm

Compound #38: 4-Chloroaniline





Original Peak Response = 133858 Manual Peak Response = 42750 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Calculation of Semi Volatile Organic Compounds

Aqueous Concentration Formula: Amt * DF * 1000 * (1/Vo) * Vf

Where:
DF = Dilution Factor
Vo = Volume of Sample (mL)
Vf = Extraction Lab Final Volume (mL)

Soil Concentration Formula: Amt * DF * 1000 * (1/Wt) * Vf * (100/TS)
Where:
DF = Dilution Factor
Wt = Weight of Sample (g)
Vf = Extraction Lab Final Volume (mL)
TS = Total Solids

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Dec 08 2020, 11:03 am

Work Group: WG1440317 for Department: 2 Organic Preparation

Created: 02-DEC-20 Due: Operator: SCM

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2051957-01	SB23_0-2	S	NYTCL-8270	SOIL	DONE	U	1204	1208	S0	Glass-A.25
L2051957-02	SB23_5-6	S	NYTCL-8270	SOIL	DONE	U	1204	1208	S0	Glass-A.25
L2053254-01	DS-20_EL8.0	S	NYTCL-8270	SOIL	DONE	U	1215	1207	S0	Glass-A.25
L2053254-02	DS-20_EL6.0	S	NYTCL-8270	SOIL	DONE	U	1215	1207	S0	Glass-A.25
L2053254-03	DS-19_EL8.0	S	NYTCL-8270	SOIL	DONE	U	1215	1207	S0	Glass-A.25
L2053254-04	DS-19_EL6.0	S	NYTCL-8270	SOIL	DONE	U	1215	1207	S0	Glass-A.25
L2053283-01	EB10_0-2	S	NYTCL-8270	SOIL	DONE	U	1215	1207	S0	Glass-A.25
L2053283-02	EB10_7-9	S	NYTCL-8270	SOIL	DONE	U	1215	1207	S0	Glass-A.25
L2053283-03	EB12_4-6	S	NYTCL-8270	SOIL	DONE	U	1215	1207	S0	Glass-A.25
L2053283-05	EB13_3-5	S	NYTCL-8270	SOIL	DONE	U	1215	1207	S0	Glass-A.25
L2053284-06	SB-6_S (9-9.5)	S	NYTCL-8270	SOIL	DONE	U	1215	1208	S0	Glass-A.120
L2053284-07	SB-6_W (9-9.5)	S	NYTCL-8270	SOIL	DONE	U	1215	1208	S0	Glass-A.120
L2053284-09	SB-6_E (9-9.5)	S	NYTCL-8270	SOIL	DONE	U	1215	1208	S0	Glass-A.120
L2053302-01	SVA-SB-6 (13-15)	S	NYTCL-8270	SOIL	DONE	U	1207	1208	S0	Glass-A.25
L2053324-08	B-5	S	NYTCL-8270	SOIL	DONE	U	1215	1208	S0	Glass-A.120
L2053324-09	B-8	S	NYTCL-8270	SOIL	DONE	U	1215	1208	S0	Glass-A.120
L2053439-01	FS-SP-01	S	NYTCL-8270	SOIL	DONE	U	1215	1208	1D	Glass-A.25
WG1440317-1	Laboratory Method Bl	S	NYTCL-8270	SOIL	DONE	U				
WG1440317-2	Laboratory Control S	S	NYTCL-8270	SOIL	DONE	U				
WG1440317-3	LCS Duplicate	S	NYTCL-8270	SOIL	DONE	U				

Comments:

WG1440317-3 WG1440317-2

Analysis log File

Total Files Reported in Log : 38
Log Generated From Directory: I:\8270\GCMS5\200401nical\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	Tune1.d	ABNFAST.M	Tune 1	wg1357700,,	4/1/2020 10:18 pm
2	ABNL10.d	ABNFAST.M	IL1,32,,ABNL200 Lot# 86	wg1357700,,	4/1/2020 10:40 pm
3	ABNL9.d	ABNFAST.M	IL2,32,,ABNL150 Lot# 86	wg1357700,,	4/1/2020 11:03 pm
4	ABNL8.d	ABNFAST.M	IL3,32,,ABNL100 Lot# 86	wg1357700,,	4/1/2020 11:25 pm
5	ABNL7.d	ABNFAST.M	IL4,32,,ABNL50 Lot# 866	wg1357700,,	4/1/2020 11:48 pm
6	ABNL6.d	ABNFAST.M	IL5,32,,ABNL20 Lot# 866	wg1357700,,	4/2/2020 12:11 am
7	ABNL5.d	ABNFAST.M	IL6,32,,ABNL10 Lot# 866	wg1357700,,	4/2/2020 12:33 am
8	ABNL4.d	ABNFAST.M	IL7,32,,ABNL5 Lot# 8660	wg1357700,,	4/2/2020 12:56 am
9	ABNL3.d	ABNFAST.M	IL8,32,,ABNL3 Lot# 8659	wg1357700,,	4/2/2020 1:18 am
10	ABNL2.d	ABNFAST.M	IL9,32,,ABNL2 Lot# 8658	wg1357700,,	4/2/2020 1:40 am
11	ABNL1.d	ABNFAST.M	IL10,32,,ABNL1 Lot# 867	wg1357700,,	4/2/2020 2:03 am
12	AP9L10.d	ABNFAST.M	IL11,32,,AP9L200 Lot# 8	wg1357700,,	4/2/2020 2:25 am
13	AP9L9.d	ABNFAST.M	IL12,32,,AP9L150 Lot# 8	wg1357700,,	4/2/2020 2:48 am
14	AP9L8.d	ABNFAST.M	IL13,32,,AP9L100 Lot# 8	wg1357700,,	4/2/2020 3:11 am
15	AP9L7.d	ABNFAST.M	IL14,32,,AP9L50 Lot# 85	wg1357700,,	4/2/2020 3:33 am
16	AP9L6.d	ABNFAST.M	IL15,32,,AP9L20 Lot# 85	wg1357700,,	4/2/2020 3:56 am
17	AP9L5.d	ABNFAST.M	IL16,32,,AP9L10 Lot# 85	wg1357700,,	4/2/2020 4:19 am
18	AP9L4.d	ABNFAST.M	IL17,32,,AP9L5 Lot# 853	wg1357700,,	4/2/2020 4:41 am
19	AP9L3.d	ABNFAST.M	IL18,32,,AP9L3 Lot# 853	wg1357700,,	4/2/2020 5:04 am
20	AP9L2.d	ABNFAST.M	IL19,32,,AP9L2 Lot# 853	wg1357700,,	4/2/2020 5:26 am
21	AP9L1.d	ABNFAST.M	IL20,32,,AP9L1 Lot# 853	wg1357700,,	4/2/2020 5:49 am
22	ABNICV.d	ABNFAST.M	CQICV1,32,,ABNICV Lot#		4/2/2020 6:12 am
23	AP9ICV.d	ABNFAST.M	CQICV2,32,,AP9ICV Lot#	wg1357700,,	4/2/2020 6:34 am
24	Tune2.d	ABNFAST.M	Tune 2	wg1357700,,	4/2/2020 6:57 am
25	ADPL10.d	ABNFAST.M	IL21,32,,ADPL200 Lot# 8	wg1357700,,	4/2/2020 7:20 am
26	ADPL9.d	ABNFAST.M	IL22,32,,ADPL150 Lot# 8	wg1357700,,	4/2/2020 7:42 am
27	ADPL8.d	ABNFAST.M	IL23,32,,ADPL100 Lot# 8	wg1357700,,	4/2/2020 8:05 am
28	ADPL7.d	ABNFAST.M	IL24,32,,ADPL50 Lot# 86	wg1357700,,	4/2/2020 8:28 am
29	ADPL6.d	ABNFAST.M	IL25,32,,ADPL20 Lot# 86	wg1357700,,	4/2/2020 8:50 am
30	ADPL5.d	ABNFAST.M	IL26,32,,ADPL10 Lot# 86	wg1357700,,	4/2/2020 9:13 am
31	ADPL4.d	ABNFAST.M	IL27,32,,ADPL5 Lot# 862	wg1357700,,	4/2/2020 9:35 am
32	ADPL3.d	ABNFAST.M	IL28,32,,ADPL3 Lot# 862	wg1357700,,	4/2/2020 9:58 am
33	ADPL2.d	ABNFAST.M	IL29,32,,ADPL2 Lot# 862	wg1357700,,	4/2/2020 10:21 am
34	ADPL1.d	ABNFAST.M	IL29,32,,ADPL0.5 Lot# 8	wg1357700,,	4/2/2020 10:43 am
35	ADPICV.d	ABNFAST.M	CQICV3,32,,ADPICV Lot#	wg1357700,,	4/2/2020 11:06 am
36	EPHICV.d	ABNFAST.M	CQICV4,32,,EPHICV Lot#		4/2/2020 11:28 am
37	ABNICVa.d	ABNFAST.M	CQICV1,32,,ABNICV Lot#	wg1357700,,	4/2/2020 11:51 am
38	Blank1.d	ABNFAST.M	Instrument Blank		4/2/2020 12:14 pm

SeqLog 1.0 - (c) 2009 Abacus Database Applications

Analysis log File

Total Files Reported in Log : 36
Log Generated From Directory: I:\8270\Buffy\201120ical\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	Tune1.D	ABNFAST.M	Tune	WG1439209,,	11/20/2020 5:10 pm
2	ABNL10.D	ABNFAST.M	IL1,32,,ABNL200 Lot# 88	WG1439209,,	11/20/2020 5:33 pm
3	ABNL9.D	ABNFAST.M	IL2,32,,ABNL150 Lot# 89	WG1439209,,	11/20/2020 5:56 pm
4	ABNL8.D	ABNFAST.M	IL3,32,,ABNL100 Lot# 89	WG1439209,,	11/20/2020 6:19 pm
5	ABNL7.D	ABNFAST.M	IL4,32,,ABNL50 Lot# 903	WG1439209,,	11/20/2020 6:41 pm
6	ABNL6.D	ABNFAST.M	IL5,32,,ABNL20 Lot# 890	WG1439209,,	11/20/2020 7:04 pm
7	ABNL5.D	ABNFAST.M	IL6,32,,ABNL10 Lot# 890	WG1439209,,	11/20/2020 7:27 pm
8	ABNL4.D	ABNFAST.M	IL7,32,,ABNL5 Lot# 8904	WG1439209,,	11/20/2020 7:50 pm
9	ABNL3.D	ABNFAST.M	IL8,32,,ABNL3 Lot# 8903	WG1439209,,	11/20/2020 8:13 pm
10	ABNL2.D	ABNFAST.M	IL9,32,,ABNL2 Lot# 8902	WG1439209,,	11/20/2020 8:36 pm
11	ABNL1.D	ABNFAST.M	IL10,32,,ABNL1 Lot# 890	WG1439209,,	11/20/2020 8:59 pm
12	AP9L10.D	ABNFAST.M	IL11,32,,AP9L200 Lot# 8	WG1439209,,	11/20/2020 9:21 pm
13	AP9L9.D	ABNFAST.M	IL12,32,,AP9L150 Lot# 9	WG1439209,,	11/20/2020 9:44 pm
14	AP9L8.D	ABNFAST.M	IL13,32,,AP9L100 Lot# 9	WG1439209,,	11/20/2020 10:07 pm
15	AP9L7.D	ABNFAST.M	IL14,32,,AP9L50 Lot# 90	WG1439209,,	11/20/2020 10:30 pm
16	AP9L6.D	ABNFAST.M	IL15,32,,AP9L20 Lot# 90	WG1439209,,	11/20/2020 10:53 pm
17	AP9L5.D	ABNFAST.M	IL16,32,,AP9L10 Lot# 90	WG1439209,,	11/20/2020 11:16 pm
18	AP9L4.D	ABNFAST.M	IL17,32,,AP9L5 Lot# 903	WG1439209,,	11/20/2020 11:39 pm
19	AP9L1.D	ABNFAST.M	IL20,32,,AP9L1 Lot# 902	WG1439209,,	11/21/2020 12:48 am
20	AP9L2.D	ABNFAST.M	IL19,32,,AP9L2 Lot# 902	WG1439209,,	11/21/2020 12:25 am
21	AP9L3.D	ABNFAST.M	IL18,32,,AP9L3 Lot# 903	WG1439209,,	11/21/2020 12:02 am
22	ABNICV.D	ABNFAST.M	CQICV1,32,,ABNICV Lot#	WG1439209,,	11/21/2020 1:11 am
23	AP9ICV.D	ABNFAST.M	CQICV2,32,,AP9ICV Lot#	WG1439209,,	11/21/2020 1:33 am
24	Tune2.D	ABNFAST.M	Tune2	WG1439209,,	11/21/2020 1:56 am
25	ADPL10.D	ABNFAST.M	IL21,32,,ADPL200 Lot# 8	WG1439209,,	11/21/2020 2:19 am
26	ADPL9.D	ABNFAST.M	IL22,32,,ADPL150 Lot# 8	WG1439209,,	11/21/2020 2:42 am
27	ADPL8.D	ABNFAST.M	IL23,32,,ADPL100 Lot# 8	WG1439209,,	11/21/2020 3:05 am
28	ADPL7.D	ABNFAST.M	IL24,32,,ADPL50 Lot# 90	WG1439209,,	11/21/2020 3:28 am
29	ADPL6.D	ABNFAST.M	IL25,32,,ADPL20 Lot# 89	WG1439209,,	11/21/2020 3:51 am
30	ADPL5.D	ABNFAST.M	IL26,32,,ADPL10 Lot# 89	WG1439209,,	11/21/2020 4:13 am
31	ADPL4.D	ABNFAST.M	IL27,32,,ADPL5 Lot# 892	WG1439209,,	11/21/2020 4:36 am
32	ADPL3.D	ABNFAST.M	IL28,32,,ADPL3 Lot# 892	WG1439209,,	11/21/2020 4:59 am
33	ADPL2.D	ABNFAST.M	IL29,32,,ADPL2 Lot# 892	WG1439209,,	11/21/2020 5:22 am
34	ADPL1.D	ABNFAST.M	IL30,32,,ADPL0.5 Lot# 8	WG1439209,,	11/21/2020 5:45 am
35	ADPICV.D	ABNFAST.M	CQICV3,32,,ADPICV Lot#	WG1439209,,	11/21/2020 6:08 am
36	Blank1.D	ABNFAST.M	Instrument Blank	WG1439209,,	11/21/2020 6:31 am

SeqLog 1.0 - (c) 2009 Abacus Database Applications

Analysis log File

Total Files Reported in Log : 33
Log Generated From Directory: I:\8270\Buffy\201203\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	Deg1203.D	ABNFAST.M	wg1440617-2,32,,Buffy D	wg1440617,,ical17377	12/3/2020 7:08 am
2	ABN1203.D	ABNFAST.M	wg-3,32,,ABN CCV Lot #	wg,wg,ical	12/3/2020 7:38 am
3	AP91203.D	ABNFAST.M	wg1440617-4,32,,AP9 CCV	wg1440617,,ical17377	12/3/2020 8:01 am
4	ADP1203.D	ABNFAST.M	wg1440617-5,32,,ADP CCV	wg1440617,,ical17377	12/3/2020 8:24 am
5	ABN1203a.D	ABNFAST.M	wg1440617-3,32,,ABN CCV	wg1440617,,ical17377	12/3/2020 8:49 am
6	440317-1.D	ABNFAST.M	WG1440317-1,32,,AM,	WG1440617,WG1440317,..	12/3/2020 9:11 am
7	440317-2.D	ABNFAST.M	WG1440317-2,32,,AM,	WG1440617,WG1440317,..	12/3/2020 9:34 am
8	440317-3.D	ABNFAST.M	WG1440317-3,32,,am	wg1440617,WG1440317,..	12/3/2020 9:57 am
9	51957-02.D	ABNFAST.M	L2051957-02,32,,am	wg1440617,WG1440317,..	12/3/2020 10:20 am
10	53254-01.D	ABNFAST.M	L2053254-01,32,,am	wg1440617,WG1440317,..	12/3/2020 10:43 am
11	53254-02.D	ABNFAST.M	L2053254-02,32,,am	wg1440617,WG1440317,..	12/3/2020 11:06 am
12	52870-02.D	ABNFAST.M	L2052870-02d,32,4,wr	wg1440617,WG1439099,..	12/3/2020 11:28 am
13	439099-4.D	ABNFAST.M	WG1439099-4D,32,4,WR,	WG1440617,WG1439099,..	12/3/2020 11:51 am
14	439099-5.D	ABNFAST.M	WG1439099-5D,32,4,WR,	WG1440617,WG1439099,..	12/3/2020 12:14 pm
15	53254-03.D	ABNFAST.M	L2053254-03,32,,AM,	WG1440617,WG1440317,..	12/3/2020 12:36 pm
16	53254-04.D	ABNFAST.M	L2053254-04,32,,AM,	WG1440617,WG1440317,..	12/3/2020 12:59 pm
17	53324-08.D	ABNFAST.M	L2053324-08,32,,AM,	WG1440617,WG1440317,..	12/3/2020 1:22 pm
18	53284-09.D	ABNFAST.M	L2053284-09,32,,AM,	WG1440617,WG1440317,..	12/3/2020 1:44 pm
19	53284-07.D	ABNFAST.M	L2053284-07,32,,AM,	WG1440617,WG1440317,..	12/3/2020 2:07 pm
20	53284-06.D	ABNFAST.M	L2053284-06,32,,AM,	WG1440617,WG1440317,..	12/3/2020 2:30 pm
21	53439-01.D	ABNFAST.M	L2053439-01,32,,AM,	WG1440617,WG1440317,..	12/3/2020 2:52 pm
22	53283-03.D	ABNFAST.M	L2053283-03,32,,AM,	WG1440617,WG1440317,..	12/3/2020 3:15 pm
23	53283-04.D	ABNFAST.M	L2053283-04,32,,AM,	WG1440617,WG1440317,..	12/3/2020 3:38 pm
24	53283-02.D	ABNFAST.M	L2053283-02,32,,AM,	WG1440617,WG1440317,..	12/3/2020 4:01 pm
25	53283-05.D	ABNFAST.M	L2053283-05,32,,AM,	WG1440617,WG1440317,..	12/3/2020 4:23 pm
26	53324-09.D	ABNFAST.M	L2053324-09,32,,AM,	WG1440617,WG1440317,..	12/3/2020 4:46 pm
27	53491-05.D	ABNFAST.M	L2053491-05,32,,AM,	WG1440617,WG1440397,..	12/3/2020 5:09 pm
28	53491-01.D	ABNFAST.M	L2053491-01,32,,AM,	WG1440617,WG1440397,..	12/3/2020 5:32 pm
29	53302-01.D	ABNFAST.M	L2053302-01,32,,AM,	WG1440617,WG1440317,..	12/3/2020 5:55 pm
30	51957-01.D	ABNFAST.M	L2051957-01,32,,AM,	WG1440617,WG1440317,..	12/3/2020 6:17 pm
31	53283-01.D	ABNFAST.M	L2053283-01,32,,AM,	WG1440617,WG1440317,..	12/3/2020 6:40 pm
32	53491-03.D	ABNFAST.M	L2053491-03,32,,AM,	WG1440617,WG1440397,..	12/3/2020 7:03 pm
33	53284-08.D	ABNFAST.M	L2053284-08,32,,AM,	WG1440617,WG1440317,..	12/3/2020 7:26 pm

SeqLog 1.0 - (c) 2009 Abacus Database Applications

Sequence Name: C:\msdchem\1\sequence\201207.s
Comment:
Operator: GCMS5:
Data Path: C:\msdchem\1\DATA\201207\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

Sequence Barcode Options
(X) On Mismatch, Inject Anyway
( ) On Mismatch, Don't Inject
( ) Barcode Disabled

Line			Sample Name/Misc Info		
1)	Sample	100	Deg1207	ABNFAST	wg-1,32,,GCMS5 Degdftpp
2)	Sample	96	ABN1207	ABNFAST	wg-3,32,,ABN CCV Lot # 9037
3)	Sample	97	AP91207	ABNFAST	wg-4,32,,AP9 CCV Lot # 9034
4)	Sample	98	ADP1207	ABNFAST	wg-5,32,,ADP CCV Lot # 9038
5)	Sample	1	441390-1	ABNFAST	WG1441390-1,32,,wr
6)	Sample	2	441390-2	ABNFAST	WG1441390-2,32,,wr
7)	Sample	3	441390-3	ABNFAST	WG1441390-3,32,,wr
8)	Sample	4	54337-07	ABNFAST	L2054337-07,32,,RUSH,wr
9)	Sample	5	54150-05	ABNFAST	L2054150-05d,32,10,RUSH,wr
10)	Sample	6	53578-02	ABNFAST	L2053578-02,32,,RV,wr
11)	Sample	7	441390-4	ABNFAST	WG1441390-4,32,,wr
12)	Sample	8	441390-5	ABNFAST	WG1441390-5,32,,wr
13)	Sample	9	53435-02	ABNFAST	L2053435-02,32,,wr
14)	Sample	10	53435-04	ABNFAST	L2053435-04,32,,wr
15)	Sample	11	53505-01	ABNFAST	L2053505-01,32,,wr
16)	Sample	12	53506-01	ABNFAST	L2053506-01,32,,wr
17)	Sample	13	53548-07	ABNFAST	L2053548-07,32,,wr
18)	Sample	14	53548-08	ABNFAST	L2053548-08,32,,wr
19)	Sample	15	53548-09	ABNFAST	L2053548-09,32,,wr
20)	Sample	16	54076-01	ABNFAST	L2054076-01,32,,wr
21)	Sample	17	54076-02	ABNFAST	L2054076-02,32,,wr
22)	Sample	18	54076-03	ABNFAST	L2054076-03,32,,wr
23)	Sample	19	54076-04	ABNFAST	L2054076-04,32,,wr
24)	Sample	20	54076-05	ABNFAST	L2054076-05,32,,wr
25)	Sample	21	53832-01	ABNFAST	L2053832-01,32,,wr
26)	Sample	22	53832-02	ABNFAST	L2053832-02,32,,wr
27)	Sample	23	53832-03	ABNFAST	L2053832-03,32,,wr
28)	Sample	24	53832-04	ABNFAST	L2053832-04,32,,wr
29)	Sample	25	53578-05	ABNFAST	l2053578-05d,32,5,ny,rv,ask
30)	Sample	26	51957-01	ABNFAST	l2051957-01d,32,2,ny,rv,ask
31)	Sample	27	53832-05	ABNFAST	L2053832-05,32,,wr
32)	Sample	28	53832-06	ABNFAST	L2053832-06,32,,wr

ORGANIC ELN REPORT

Workgroup: WG1440317

Prep Method: EPA 3546
Solvent Type: DCM
Surrogate Type: ABN
Spike Type: ABN
Spike Verify by: SCM
Lims Spikelot: 8270-USAC2
Lot #: EA012
Lot #: 9039 (05-22-21)
Lot #: 9023 (04-30-21) 9020 (03-31-

Additional Reagents/Stds

Ottawa Sand	20G0756792

Conc.Method: Buchi
Solvent Type: DCM
Lot #: EA012

Additional Reagents/Stds

Cleanup 1

Cleanup Method 1:
Cleanup Method 2:
Solvent Type:
Lot #:

Additional Reagents/Stds

Sample/ Type	Extraction								Concentration			
	Extract Date	Analyst	Sample Weight g	Balance Id	Surr Amt ml	Spike Amt ml	Extract Unit Id	Stop Date/Time	Conc Date	Analyst	Final Vol ml	Conc Unit
L2051957-01 SOIL	12/02/20 14:59	Steven Marengo	30.31	51	1		MW8	NA	12/02/20 20:00	Caleb Agyepong	1	G
L2051957-02 SOIL	12/02/20 14:59	Steven Marengo	30.69	51	1		MW8	NA	12/02/20 20:00	Caleb Agyepong	1	G
L2053254-01 SOIL	12/02/20 14:59	Steven Marengo	30.39	51	1		MW8	NA	12/02/20 20:00	Caleb Agyepong	1	G
L2053254-02 SOIL	12/02/20 14:59	Steven Marengo	30.41	51	1		MW8	NA	12/02/20 20:00	Caleb Agyepong	1	G
L2053254-03 SOIL	12/02/20 14:59	Steven Marengo	30.95	51	1		MW8	NA	12/02/20 20:00	Caleb Agyepong	1	G
L2053254-04 SOIL	12/02/20 14:59	Steven Marengo	30.38	51	1		MW8	NA	12/02/20 20:55	Caleb Agyepong	1	G

Reported: 08-DEC-20 11:13 AM

ORGANIC ELN REPORT

Workgroup: WG1440317

Sample/ Type	Extraction								Concentration			
	Extract Date	Analyst	Sample Weight **g**	Balance Id	Surr Amt **ml**	Spike Amt **ml**	Extract Unit Id	Stop Date/Time	Conc Date	Analyst	Final Vol **ml**	Conc Unit
L2053283-01 SOIL	12/02/20 14:59	Steven Marengo	30.02	51	1		MW8	NA	12/02/20 20:56	Caleb Agyepong	1	G
L2053283-02 SOIL	12/02/20 14:59	Steven Marengo	30.91	51	1		MW8	NA	12/02/20 20:56	Caleb Agyepong	1	G
L2053283-03 SOIL	12/02/20 14:59	Steven Marengo	30.59	51	1		MW8	NA	12/02/20 20:55	Caleb Agyepong	1	G
L2053283-04	12/02/20 14:59	Steven Marengo	30.21	51	1		MW8	NA	12/02/20 20:56	Caleb Agyepong	1	3
L2053283-05 SOIL	12/02/20 14:59	Steven Marengo	30.43	51	1		MW8	NA	12/02/20 20:56	Caleb Agyepong	1	3
L2053284-06 SOIL	12/02/20 14:59	Steven Marengo	30.83	51	1		MW8	NA	12/02/20 20:56	Caleb Agyepong	1	3
L2053284-07 SOIL	12/02/20 15:02	Steven Marengo	10.29	51	1		MW8	NA	12/02/20 20:56	Caleb Agyepong	1	3
	LIMITED VOLUME DUE TO MATRIX											
L2053284-08	12/02/20 15:02	Steven Marengo	30.54	51	1		MW8	NA	12/02/20 20:56	Caleb Agyepong	1	3

Reported: 08-DEC-20 11:13 AM

ORGANIC ELN REPORT

Workgroup: WG1440317

Sample/ Type	Extraction								Concentration			
	Extract Date	Analyst	Sample Weight g	Balance Id	Surr Amt ml	Spike Amt ml	Extract Unit Id	Stop Date/Time	Conc Date	Analyst	Final Vol ml	Conc Unit
L2053284-09 SOIL	12/02/20 15:02	Steven Marengo	30.47	51	1		MW8	NA	12/02/20 20:56	Caleb Agyepong	1	3
L2053302-01 SAMP	12/02/20 16:13	Steven Marengo	30.48	51	1		MW8	NA	12/02/20 20:19	Caleb Agyepong	1	G
L2053324-08 SOIL	12/02/20 15:02	Steven Marengo	30.16	51	1		MW8	NA	12/02/20 20:00	Caleb Agyepong	1	G
L2053324-09 SOIL	12/02/20 15:02	Steven Marengo	30.70	51	1		MW8	NA	12/02/20 20:00	Caleb Agyepong	1	G
L2053439-01 SOIL	12/02/20 16:13	Steven Marengo	30.72	51	1		MW8	NA	12/02/20 20:00	Caleb Agyepong	1	G
WG1440317-1 BLANK	12/02/20 14:59	Steven Marengo	30.27	51	1		MW8	NA	12/02/20 20:00	Caleb Agyepong	1	G
WG1440317-2 LCS	12/02/20 14:59	Steven Marengo	30.59	51	1	1	MW8	NA	12/02/20 20:00	Caleb Agyepong	1	G
WG1440317-3 LCSD	12/02/20 14:59	Steven Marengo	30.28	51	1	1	MW8	NA	12/02/20 20:00	Caleb Agyepong	1	G

Reported: 08-DEC-20 11:13 AM

PFAAs

Semivolatiles QC Summary

Surrogate (Extracted Internal Standard) Recovery Summary
Form 2
Semivolatiles

Client: Langan Engineering & Environmental
Project Name: 266-270 W. 96TH STREET

Lab Number: L2051957
Project Number: 170432001
Matrix: Soil

CLIENT ID (LAB SAMPLE NO.)	S1 ()	S2 ()	S3 ()	S4 ()	S5 ()	S6 ()	S7 ()
SB23_0-2 (L2051957-01)	92	110	96	95	98	103	95
SB23_5-6 (L2051957-02)	96	113	98	98	101	105	97
WG1440618-1BLANK	94	115	108	100	107	115	101
WG1440618-2LCS	103	121	106	106	111	114	103
WG1440618-3LCSD	105	125	110	109	112	114	106

QC LIMITS

(60-153) S1 = PERFLUORO[13C4]BUTANOIC ACID (MPFBA)
(65-182) S2 = PERFLUORO[13C5]PENTANOIC ACID (M5PFPEA)
(70-151) S3 = PERFLUORO[2,3,4-13C3]BUTANESULFONIC ACID (M3PFBS)
(61-147) S4 = PERFLUORO[1,2,3,4,6-13C5]HEXANOIC ACID (M5PFHXA)
(62-149) S5 = PERFLUORO[1,2,3,4-13C4]HEPTANOIC ACID (M4PFHPA)
(63-166) S6 = PERFLUORO[1,2,3-13C3]HEXANESULFONIC ACID (M3PFHXS)
(63-166) S7 = PERFLUORO[13C8]OCTANOIC ACID (M8PFOA)

* Values outside of QC limits

Surrogate (Extracted Internal Standard) Recovery Summary
Form 2
Semivolatiles

Client: Langan Engineering & Environmental
Project Name: 266-270 W. 96TH STREET

Lab Number: L2051957
Project Number: 170432001
Matrix: Soil

CLIENT ID (LAB SAMPLE NO.)	S8 ()	S9 ()	S10 ()	S11 ()	S12 ()	S13 ()	S14 ()
SB23_0-2 (L2051957-01)	118	97	94	94	152	79	104
SB23_5-6 (L2051957-02)	123	100	95	96	149	80	109
WG1440618-1BLANK	135	106	103	101	176	100	111
WG1440618-2LCS	127	106	103	102	151	101	116
WG1440618-3LCSD	143	110	107	104	179	96	113

QC LIMITS

(32-182) S8 = 1H,1H,2H,2H-PERFLUORO[1,2-13C2]OCTANESULFONIC ACID (M2-6:2FTS)
(61-154) S9 = PERFLUORO[13C9]NONANOIC ACID (M9PFNA)
(65-151) S10 = PERFLUORO[13C8]OCTANESULFONIC ACID (M8PFOS)
(65-150) S11 = PERFLUORO[1,2,3,4,5,6-13C6]DECANOIC ACID (M6PFDA)
(25-186) S12 = 1H,1H,2H,2H-PERFLUORO[1,2-13C2]DECANESULFONIC ACID (M2-8:2FTS)
(45-137) S13 = N-DEUTERIOMETHYLPERFLUORO-1-OCTANESULFONAMIDOACETIC ACID (D3-NMEFOSAA)
(45-137) S14 = PERFLUORO[1,2,3,4,5,6,7-13C7]UNDECANOIC ACID (M7-PFUDA)

*** Values outside of QC limits**

Surrogate (Extracted Internal Standard) Recovery Summary
Form 2
Semivolatiles

Client: Langan Engineering & Environmental
Project Name: 266-270 W. 96TH STREET

Lab Number: L2051957
Project Number: 170432001
Matrix: Soil

CLIENT ID (LAB SAMPLE NO.)	S15 ()	S16 ()	S17 ()	S18 ()	S19 ()	S20 ()	S21 ()	TOT OUT
SB23_0-2 (L2051957-01)	58	75	104	74	--	--	--	0
SB23_5-6 (L2051957-02)	22	77	108	73	--	--	--	0
WG1440618-1BLANK	12	83	114	75	--	--	--	0
WG1440618-2LCS	17	87	118	80	--	--	--	0
WG1440618-3LCSD	8	94	117	79	--	--	--	0

QC LIMITS

(1-125) S15 = PERFLUORO[13C8]OCTANESULFONAMIDE (M8FOSA)
(42-136) S16 = N-DEUTERIOETHYLPERFLUORO-1-OCTANESULFONAMIDOACETIC ACID (D5-NETFOSAA)
(56-148) S17 = PERFLUORO[1,2-13C2]DODECANOIC ACID (MPFDOA)
(26-160) S18 = PERFLUORO[1,2-13C2]TETRADECANOIC ACID (M2PFTEDA)

*** Values outside of QC limits**

FORM II A2-NY-537-ISOTOPE (Continued)

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Matrix	: SOIL		
LCS Sample ID	: WG1440618-2 **Analysis Date** : 12/04/20 16:45	**File ID**	: I33419
LCSD Sample ID	: WG1440618-3 **Analysis Date** : 12/04/20 17:02	**File ID**	: I33420

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/kg)	Found (ug/kg)	%R	True (ug/kg)	Found (ug/kg)	%R	RPD	Recovery Limits	RPD Limit
Perfluorobutanoic Acid (PFBA)	5	6.03	120	5	5.99	120	0	71-135	30
Perfluoropentanoic Acid (PFPeA)	5	6.13	123	5	6.06	121	2	69-132	30
Perfluorobutanesulfonic Acid (PFBS)	4.44	5.25	118	4.44	5.26	118	0	72-128	30
Perfluorohexanoic Acid (PFHxA)	5	6.08	122	5	6.01	120	2	70-132	30
Perfluoroheptanoic Acid (PFHpA)	5	5.92	118	5	5.80	116	2	71-131	30
Perfluorohexanesulfonic Acid (PFHxS)	4.57	5.60	123	4.57	5.85	128	4	67-130	30
Perfluorooctanoic Acid (PFOA)	5	5.90F	118	5	5.78F	116	2	69-133	30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	4.76	6.39F	134	4.76	6.36F	134	0	64-140	30
Perfluoroheptanesulfonic Acid (PFHpS)	4.76	5.58	117	4.76	5.67	119	2	70-132	30
Perfluorononanoic Acid (PFNA)	5	5.99	120	5	5.86	117	3	72-129	30
Perfluorooctanesulfonic Acid (PFOS)	4.64	5.95F	128	4.64	5.94F	128	0	68-136	30
Perfluorodecanoic Acid (PFDA)	5	6.00	120	5	6.04	121	1	69-133	30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	4.8	7.38F	154 Q	4.8	6.04F	126	20	65-137	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Matrix	: SOIL		
LCS Sample ID	: WG1440618-2 **Analysis Date** : 12/04/20 16:45	**File ID**	: I33419
LCSD Sample ID	: WG1440618-3 **Analysis Date** : 12/04/20 17:02	**File ID**	: I33420

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/kg)	Found (ug/kg)	%R	True (ug/kg)	Found (ug/kg)	%R	RPD	Recovery Limits	RPD Limit
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	5	5.32F	106	5	5.66F	113	6	63-144	30
Perfluoroundecanoic Acid (PFUnA)	5	5.97	119	5	6.14	123	3	64-136	30
Perfluorodecanesulfonic Acid (PFDS)	4.82	6.50	135 Q	4.82	6.36	132	2	59-134	30
Perfluorooctanesulfonamide (FOSA)	5	5.41F	108	5	5.76F	115	6	67-137	30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	5	6.27	125	5	5.86	117	7	61-139	30
Perfluorododecanoic Acid (PFDoA)	5	6.00	120	5	6.09	122	2	69-135	30
Perfluorotridecanoic Acid (PFTrDA)	5	5.67	113	5	5.96	119	5	66-139	30
Perfluorotetradecanoic Acid (PFTA)	5	7.11	142 Q	5	7.25	145 Q	2	69-133	30

Method Blank Summary
Form 4
Semivolatiles

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Lab Sample ID	: WG1440618-1	**Lab File ID**	: I33418
Instrument ID	: LCMS02	**Extraction Date**	: 12/03/20
Matrix	: SOIL	**Analysis Date**	: 12/04/20 16:28
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG1440618-2LCS	WG1440618-2	12/04/20 16:45
WG1440618-3LCSD	WG1440618-3	12/04/20 17:02
SB23_0-2	L2051957-01	12/04/20 17:18
SB23_5-6	L2051957-02	12/04/20 17:35

Method Detection Limit Study
Alpha Analytical, Inc.
Mansfield, MA

EPA 537.1, Liquid Compound	Target Concentration	Units	Average	% Recovery	Standard Deviation	Number of Replicates	Student t-value	MDLs	RL
PFBS	1.00	ng/l	0.851	85%	0.0904	7	3.143	0.284	2.00
PFHxA	1.00	ng/l	0.961	96%	0.0837	7	3.143	0.263	2.00
HFPO-DA	1.00	ng/l	0.509	51%	0.144	7	3.143	0.451	2.00
PFHpA	1.00	ng/l	0.885	88%	0.0827	7	3.143	0.260	2.00
PFHxS	1.00	ng/l	1.05	105%	0.152	7	3.143	0.478	2.00
ADONA	1.00	ng/l	0.511	51%	0.0228	7	3.143	0.0716	2.00
PFOA	1.00	ng/l	1.11	111%	0.198	7	3.143	0.623	2.00
PFOS	1.00	ng/l	0.940	94%	0.156	7	3.143	0.490	2.00
PFNA	1.00	ng/l	0.937	94%	0.151	7	3.143	0.474	2.00
PFDA	1.00	ng/l	1.04	104%	0.205	7	3.143	0.645	2.00
9CL-PF3ONS	1.00	ng/l	0.480	48%	0.0525	7	3.143	0.165	2.00
NMeFOSAA	1.00	ng/l	0.870	87%	0.227	7	3.143	0.712	2.00
PFUnA	1.00	ng/l	1.08	108%	0.260	7	3.143	0.816	2.00
NEtFOSAA	1.00	ng/l	0.922	92%	0.264	7	3.143	0.829	2.00
PFDoA	1.00	ng/l	0.822	82%	0.189	7	3.143	0.593	2.00
11CL-PFOUdS	1.00	ng/l	0.451	45%	0.0458	7	3.143	0.144	2.00
PFTrDA	1.00	ng/l	0.855	85%	0.111	7	3.143	0.348	2.00
PFTA	1.00	ng/l	0.925	92%	0.119	7	3.143	0.374	2.00

Approved

Initial Weight / Volume: 250 mL
Final Volume: 1 mL

QA Approval: 1/9/19 Date Effective:

EPA 537.1
Liquid, SPE

Method Detection Limit Study
Alpha Analytical, Inc.
Mansfield, MA

Approved

Instrument: LCMS02
Dates: 1/17/19 - 1/19/19

EPA 537.1, Liquid Compound	Target Concentration	Units	Average	% Recovery	Standard Deviation	Number of Replicates	Student t-value	MDLs	RL
PFBS	1.00	ng/l	0.771	77%	0.0620	7	3.143	0.195	2.00
PFHxA	1.00	ng/l	0.914	91%	0.0748	7	3.143	0.235	2.00
HFPO-DA	1.00	ng/l	0.381	38%	0.0611	7	3.143	0.192	4.00
PFHpA	1.00	ng/l	0.807	81%	0.0723	7	3.143	0.227	2.00
PFHxS	1.00	ng/l	0.850	85%	0.119	7	3.143	0.373	2.00
ADONA	1.00	ng/l	0.476	48%	0.0171	7	3.143	0.0538	2.00
PFOA	1.00	ng/l	1.07	107%	0.183	7	3.143	0.577	2.00
PFOS	1.00	ng/l	0.841	84%	0.149	7	3.143	0.469	2.00
PFNA	1.00	ng/l	0.917	92%	0.106	7	3.143	0.334	2.00
PFDA	1.00	ng/l	1.11	111%	0.175	7	3.143	0.549	2.00
9CL-PF3ONS	1.00	ng/l	0.445	45%	0.0876	7	3.143	0.275	2.00
NMeFOSAA	1.00	ng/l	0.922	92%	0.178	7	3.143	0.559	2.00
PFUnA	1.00	ng/l	1.02	102%	0.179	7	3.143	0.563	2.00
NEtFOSAA	1.00	ng/l	1.07	107%	0.302	7	3.143	0.950	2.00
PFDoA	1.00	ng/l	0.988	99%	0.205	7	3.143	0.646	2.00
11CL-PFOUdS	1.00	ng/l	0.463	46%	0.0669	7	3.143	0.210	2.00
PFTrDA	1.00	ng/l	0.963	96%	0.161	7	3.143	0.507	2.00
PFTA	1.00	ng/l	0.966	97%	0.138	7	3.143	0.433	2.00

Initial Weight / Volume: 250 mL
Final Volume: 1 mL

QA Approval: _____ Date Effective: 1/19/19

Method Detection Limit - Spike Replicates (MDLs)
Alpha Analytical, Inc.
Mansfield, MA

EPA 537.1, Liquid Compound	Units	Target Concentration	Mean (x)	% Recovery	Standard Deviation (S)	Number of Replicates	Student t-value (t)	MDLs	LOQ	Comments
PFBS	ng/L	1.00	0.87	87%	0.0641	7	3.143	0.202	1.00	
PFHxA	ng/L	1.00	1.01	101%	0.100	7	3.143	0.314	1.00	
HFPO-DA	ng/L	1.00	1.09	109%	0.109	7	3.143	0.344	1.00	
PFHpA	ng/L	1.00	1.02	102%	0.069	7	3.143	0.216	1.00	
ADONA	ng/L	1.00	0.98	98%	0.0559	7	3.143	0.176	1.00	
PFHxS	ng/L	1.00	0.90	90%	0.0647	7	3.143	0.203	1.00	
PFOA	ng/L	1.00	1.04	104%	0.0653	7	3.143	0.205	1.00	
PFNA	ng/L	1.00	1.01	101%	0.0855	7	3.143	0.269	1.00	
PFOS	ng/L	1.00	0.88	88%	0.065	7	3.143	0.205	1.00	
PFDA	ng/L	1.00	0.926	93%	0.141	7	3.143	0.444	1.00	
9CL-PF3ONS	ng/L	1.00	0.834	83%	0.0846	7	3.143	0.266	1.00	
PFUnA	ng/L	1.00	0.960	96%	0.137	7	3.143	0.429	1.00	
NMeFOSAA	ng/L	1.00	1.05	105%	0.110	7	3.143	0.346	1.00	
NEtFOSAA	ng/L	1.00	0.99	99%	0.0907	7	3.143	0.285	1.00	
PFDoA	ng/L	1.00	0.989	99%	0.128	7	3.143	0.402	1.00	
11Cl-PF3OUdS	ng/L	1.00	0.760	76%	0.0516	7	3.143	0.162	1.00	
PFTrDA	ng/L	1.00	0.977	98%	0.1363	7	3.143	0.429	1.00	
PFTA	ng/L	1.00	0.926	93%	0.0964	7	3.143	0.303	1.00	

Comments: _____

Prep Method: EPA 537.1
Initial Weight / Volume: 250 mL
Final Volume: 1 mL

QA Approval: ____JH____ Date Effective: __1/30/2020_

Method Detection Limit - Spike Replicates (MDLs)
Alpha Analytical, Inc.
Mansfield, MA

EPA 537.1, Liquid Compound	Units	Target Concentration	Mean (x)	% Recovery	Standard Deviation (S)	Number of Replicates	Student t-value (t)	MDLs	LOQ	Comments
PFBS	ng/L	1.00	1.02	102%	0.0390	7	3.143	0.123	1.00	
PFHxA	ng/L	1.00	1.23	123%	0.104	7	3.143	0.328	1.00	
HFPO-DA	ng/L	1.00	1.22	122%	0.230	7	3.143	0.722	1.00	
PFHpA	ng/L	1.00	1.26	126%	0.105	7	3.143	0.331	1.00	
ADONA	ng/L	1.00	1.02	102%	0.0647	7	3.143	0.203	1.00	
PFHxS	ng/L	1.00	1.06	106%	0.0605	7	3.143	0.190	1.00	
PFOA	ng/L	1.00	1.29	129%	0.0886	7	3.143	0.278	1.00	
PFNA	ng/L	1.00	1.10	110%	0.0860	7	3.143	0.270	1.00	
PFOS	ng/L	1.00	1.25	125%	0.119	7	3.143	0.373	1.00	
PFDA	ng/L	1.00	0.954	95%	0.137	7	3.143	0.432	1.00	
9CL-PF3ONS	ng/L	1.00	0.891	89%	0.0598	7	3.143	0.188	1.00	
PFUnA	ng/L	1.00	0.943	94%	0.100	7	3.143	0.315	1.00	
NMeFOSAA	ng/L	1.00	1.05	105%	0.137	7	3.143	0.432	1.00	
NEtFOSAA	ng/L	1.00	1.09	109%	0.0855	7	3.143	0.269	1.00	
PFDoA	ng/L	1.00	0.983	98%	0.134	7	3.143	0.422	1.00	
11Cl-PF3OUdS	ng/L	1.00	0.749	75%	0.0720	7	3.143	0.226	1.00	
PFTrDA	ng/L	1.00	0.920	92%	0.0800	7	3.143	0.251	1.00	
PFTA	ng/L	1.00	0.863	86%	0.0948	7	3.143	0.298	1.00	

Comments: _____

Prep Method: EPA 537.1
Initial Weight / Volume: 250 mL
Final Volume: 1 mL

QA Approval: ___JH___ Date Effective: __1/30/2020__

Date Created: 07/09/20
Created By: Jason Hebert
File: PM8786-1
Page: 1

PFAAs via LCMSMS-Isotope Dilution (WATER)

Holding Time: 14 days
Container/Sample Preservation: 1 - 2 Plastic/1 Plastic/1 H20 Plastic

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Perfluorobutanoic Acid (PFBA)	375-22-4	2	0.408	ng/l	67-148	30	67-148	30	30			
Perfluoropentanoic Acid (PFPeA)	2706-90-3	2	0.396	ng/l	63-161	30	63-161	30	30			
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	2	0.238	ng/l	65-157	30	65-157	30	30			
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	757124-72-4	2	0.452	ng/l	37-219	30	37-219	30	30			
Perfluorohexanoic Acid (PFHxA)	307-24-4	2	0.328	ng/l	69-168	30	69-168	30	30			
Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	2	0.2452	ng/l	52-156	30	52-156	30	30			
Perfluoroheptanoic Acid (PFHpA)	375-85-9	2	0.2252	ng/l	58-159	30	58-159	30	30			
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	2	0.376	ng/l	69-177	30	69-177	30	30			
Perfluorooctanoic Acid (PFOA)	335-67-1	2	0.236	ng/l	63-159	30	63-159	30	30			
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	27619-97-2	2	1.332	ng/l	49-187	30	49-187	30	30			
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	2	0.688	ng/l	61-179	30	61-179	30	30			
Perfluorononanoic Acid (PFNA)	375-95-1	2	0.312	ng/l	68-171	30	68-171	30	30			
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	2	0.504	ng/l	52-151	30	52-151	30	30			
Perfluorodecanoic Acid (PFDA)	335-76-2	2	0.304	ng/l	63-171	30	63-171	30	30			
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	39108-34-4	2	1.212	ng/l	56-173	30	56-173	30	30			
Perfluorononanesulfonic Acid (PFNS)	68259-12-1	2	1.12	ng/l	48-150	30	48-150	30	30			
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSA	2355-31-9	2	0.648	ng/l	60-166	30	60-166	30	30			
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	2	0.26	ng/l	60-153	30	60-153	30	30			
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	2	0.98	ng/l	38-156	30	38-156	30	30			
Perfluorooctanesulfonamide (FOSA)	754-91-6	2	0.58	ng/l	46-170	30	46-170	30	30			
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	2991-50-6	2	0.804	ng/l	45-170	30	45-170	30	30			
Perfluorododecanoic Acid (PFDoA)	307-55-1	2	0.372	ng/l	67-153	30	67-153	30	30			
Perfluorotridecanoic Acid (PFTrDA)	72629-94-8	2	0.3272	ng/l	48-158	30	48-158	30	30			
Perfluorotetradecanoic Acid (PFTA)	376-06-7	2	0.248	ng/l	59-182	30	59-182	30	30			
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Pr	13252-13-6	50	22.7	ng/l	50-150	30	50-150	30	30			
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	919005-14-4	2	0.336	ng/l	50-150	30	50-150	30	30			
Perfluorohexadecanoic Acid (PFHxDA)	67905-19-5	4	1.24	ng/l	50-150	30	50-150	30	30			
Perfluorooctadecanoic Acid (PFODA)	16517-11-6	4	1.148	ng/l	50-150	30	50-150	30	30			
Perfluorododecane Sulfonic Acid (PFDoDS)	79780-39-5	2	0.616	ng/l	50-150	30	50-150	30	30			
1H,1H,2H,2H-Perfluorododecanesulfonic Acid (10:2FTS)	120226-60-0	5	2.02	ng/l	50-150	30	50-150	30	30			
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF	756426-58-1	2	0.2768	ng/l	50-150	30	50-150	30	30			
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl	763051-92-9	2	0.2932	ng/l	50-150	30	50-150	30	30			
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	31506-32-8	20	7.36	ng/l	50-150	30	50-150	30	30			
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	4151-50-2	20	6.64	ng/l	50-150	30	50-150	30	30			
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	24448-09-7	50	22.2	ng/l	50-150	30	50-150	30	30			
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	1691-99-2	50	22.52	ng/l	50-150	30	50-150	30	30			
Perfluoro[13C4]Butanoic Acid (MPFBA)	*NONE*									*2-156*		
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	*NONE*									*16-173*		
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	*NONE*									*31-159*		
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-	*NONE*									*1-313*		
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	*NONE*									*21-145*		
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	*NONE*									*30-139*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
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PFAAs via LCMSMS-Isotope Dilution (WATER)

Holding Time: 14 days
Container/Sample Preservation: 1 - 2 Plastic/1 Plastic/1 H20 Plastic

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	*NONE*									*47-153*		
Perfluoro[13C8]Octanoic Acid (M8PFOA)	*NONE*									*36-149*		
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6	*NONE*									*1-244*		
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	*NONE*									*34-146*		
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	*NONE*									*42-146*		
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	*NONE*									*38-144*		
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8	*NONE*									*7-170*		
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid	*NONE*									*1-181*		
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	*NONE*									*40-144*		
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	*NONE*									*1-87*		
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d	*NONE*									*23-146*		
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	*NONE*									*24-161*		
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	*NONE*									*33-143*		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-13	*NONE*									*50-150*		
Perfluoro[13C2]Hexadecanoic Acid (M2PFHxDA)	*NONE*									*50-150*		
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (d3-NMeFOSA)	*NONE*									*50-150*		
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (d5-NEtFOSA)	*NONE*									*50-150*		
2-(N-Methyl-d3-Perfluoro-1-Octanesulfonamido)ethan-d4-ol	*1265205-95-5*									*50-150*		
2-(N-Ethyl-d5-Perfluoro-1-Octanesulfonamido)ethan-d4-ol (	*NONE*									*50-150*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Date Created: 07/09/20
Created By: Jason Hebert
File: PM8787-1
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PFAAs via LCMSMS-Isotope Dilution (SOIL)

Holding Time: 14 days
Container/Sample Preservation: 1 - Plastic 8oz unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Perfluorobutanoic Acid (PFBA)	375-22-4	1	0.0227	ng/g	71-135	30	71-135	30	30			
Perfluoropentanoic Acid (PFPeA)	2706-90-3	1	0.046	ng/g	69-132	30	69-132	30	30			
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	1	0.039	ng/g	72-128	30	72-128	30	30			
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	757124-72-4	1	0.0645	ng/g	62-145	30	62-145	30	30			
Perfluorohexanoic Acid (PFHxA)	307-24-4	1	0.0525	ng/g	70-132	30	70-132	30	30			
Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	1	0.0835	ng/g	73-123	30	73-123	30	30			
Perfluoroheptanoic Acid (PFHpA)	375-85-9	1	0.0451	ng/g	71-131	30	71-131	30	30			
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	1	0.0605	ng/g	67-130	30	67-130	30	30			
Perfluorooctanoic Acid (PFOA)	335-67-1	1	0.0419	ng/g	69-133	30	69-133	30	30			
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	27619-97-2	1	0.1795	ng/g	64-140	30	64-140	30	30			
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	1	0.1365	ng/g	70-132	30	70-132	30	30			
Perfluorononanoic Acid (PFNA)	375-95-1	1	0.075	ng/g	72-129	30	72-129	30	30			
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	1	0.13	ng/g	68-136	30	68-136	30	30			
Perfluorodecanoic Acid (PFDA)	335-76-2	1	0.067	ng/g	69-133	30	69-133	30	30			
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	39108-34-4	1	0.287	ng/g	65-137	30	65-137	30	30			
Perfluorononanesulfonic Acid (PFNS)	68259-12-1	1	0.299	ng/g	69-125	30	69-125	30	30			
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSA	2355-31-9	1	0.2015	ng/g	63-144	30	63-144	30	30			
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	1	0.0468	ng/g	64-136	30	64-136	30	30			
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	1	0.153	ng/g	59-134	30	59-134	30	30			
Perfluorooctanesulfonamide (FOSA)	754-91-6	1	0.098	ng/g	67-137	30	67-137	30	30			
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	2991-50-6	1	0.0845	ng/g	61-139	30	61-139	30	30			
Perfluorododecanoic Acid (PFDoA)	307-55-1	1	0.07	ng/g	69-135	30	69-135	30	30			
Perfluorotridecanoic Acid (PFTrDA)	72629-94-8	1	0.2045	ng/g	66-139	30	66-139	30	30			
Perfluorotetradecanoic Acid (PFTA)	376-06-7	1	0.054	ng/g	69-133	30	69-133	30	30			
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Pr	13252-13-6	10	3.81	ng/g	50-150	30	50-150	30	30			
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	919005-14-4	1	0.0413	ng/g	50-150	30	50-150	30	30			
Perfluorohexadecanoic Acid (PFHxDA)	67905-19-5	2	0.12	ng/g	50-150	30	50-150	30	30			
Perfluorooctadecanoic Acid (PFODA)	16517-11-6	2	0.171	ng/g	50-150	30	50-150	30	30			
Perfluorododecane Sulfonic Acid (PFDoDS)	79780-39-5	1	0.086	ng/g	50-150	30	50-150	30	30			
1H,1H,2H,2H-Perfluorododecanesulfonic Acid (10:2FTS)	120226-60-0	1	0.275	ng/g	50-150	30	50-150	30	30			
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF	756426-58-1	1	0.0374	ng/g	50-150	30	50-150	30	30			
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl	763051-92-9	1	0.0388	ng/g	50-150	30	50-150	30	30			
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	31506-32-8	1	0.379	ng/g	50-150	30	50-150	30	30			
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	4151-50-2	1	0.407	ng/g	50-150	30	50-150	30	30			
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	24448-09-7	2	0.52	ng/g	50-150	30	50-150	30	30			
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	1691-99-2	2	0.73	ng/g	50-150	30	50-150	30	30			
Perfluoro[13C4]Butanoic Acid (MPFBA)	*NONE*									*60-153*		
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	*NONE*									*65-182*		
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	*NONE*									*70-151*		
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-	*NONE*									*56-138*		
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	*NONE*									*61-147*		
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	*NONE*									*62-149*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
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PFAAs via LCMSMS-Isotope Dilution (SOIL)

Holding Time: 14 days
Container/Sample Preservation: 1 - Plastic 8oz unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	*NONE*									*63-166*		
Perfluoro[13C8]Octanoic Acid (M8PFOA)	*NONE*									*62-152*		
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6	*NONE*									*32-182*		
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	*NONE*									*61-154*		
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	*NONE*									*65-151*		
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	*NONE*									*65-150*		
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8	*NONE*									*25-186*		
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid	*NONE*									*45-137*		
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	*NONE*									*64-158*		
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	*NONE*									*1-125*		
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d	*NONE*									*42-136*		
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	*NONE*									*56-148*		
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	*NONE*									*26-160*		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-13	*NONE*									*50-150*		
Perfluoro[13C2]Hexadecanoic Acid (M2PFHxDA)	*NONE*									*50-150*		
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (d3-NMeFOSA)	*NONE*									*50-150*		
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (d5-NEtFOSA)	*NONE*									*50-150*		
2-(N-Methyl-d3-Perfluoro-1-Octanesulfonamido)ethan-d4-ol	*1265205-95-5*									*50-150*		
2-(N-Ethyl-d5-Perfluoro-1-Octanesulfonamido)ethan-d4-ol (	*NONE*									*50-150*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Semivolatile Sample Data

Results Summary
Form 1
Perfluorinated Alkyl Acids by Isotope Dilution

Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Lab ID	: L2051957-01	Date Collected	: 11/20/20 10:15
Client ID	: SB23_0-2	Date Received	: 11/20/20
Sample Location	: NEW YORK, NY	Date Analyzed	: 12/04/20 17:18
Sample Matrix	: SOIL	Date Extracted	: 12/03/20
Analytical Method	: 134,LCMSMS-ID	Dilution Factor	: 1
Lab File ID	: I33421	Analyst	: JW
Sample Amount	: 4.28 g	Instrument ID	: LCMS02
Extraction Method	: ALPHA 23528	GC Column	: Acquity UPLC BEH C18
Extract Volume	: 2000 uL	%Solids	: 86
GPC Cleanup	: N	Injection Volume	: 3 uL

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
375-22-4	Perfluorobutanoic Acid (PFBA)	ND	0.545	0.025	U
2706-90-3	Perfluoropentanoic Acid (PFPeA)	ND	0.545	0.050	U
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	ND	0.545	0.043	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	0.059	0.545	0.057	JF
375-85-9	Perfluoroheptanoic Acid (PFHpA)	ND	0.545	0.049	U
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	ND	0.545	0.066	U
335-67-1	Perfluorooctanoic Acid (PFOA)	ND	0.545	0.046	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	0.545	0.196	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	0.545	0.149	U
375-95-1	Perfluorononanoic Acid (PFNA)	ND	0.545	0.082	U
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	ND	0.545	0.142	U
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	0.545	0.073	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	0.545	0.313	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	0.545	0.219	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	0.545	0.051	U
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	0.545	0.167	U
754-91-6	Perfluorooctanesulfonamide (FOSA)	ND	0.545	0.107	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	0.545	0.092	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by Isotope Dilution

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Lab ID	: L2051957-01	**Date Collected**	: 11/20/20 10:15
Client ID	: SB23_0-2	**Date Received**	: 11/20/20
Sample Location	: NEW YORK, NY	**Date Analyzed**	: 12/04/20 17:18
Sample Matrix	: SOIL	**Date Extracted**	: 12/03/20
Analytical Method	: 134,LCMSMS-ID	**Dilution Factor**	: 1
Lab File ID	: I33421	**Analyst**	: JW
Sample Amount	: 4.28 g	**Instrument ID**	: LCMS02
Extraction Method	: ALPHA 23528	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 2000 uL	**%Solids**	: 86
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	0.545	0.076	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	0.545	0.223	U
376-06-7	Perfluorotetradecanoic Acid (PFTA)	ND	0.545	0.059	U
NONE	PFOA/PFOS, Total	ND	0.545	0.046	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by Isotope Dilution

Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Lab ID	: L2051957-02	Date Collected	: 11/20/20 10:30
Client ID	: SB23_5-6	Date Received	: 11/20/20
Sample Location	: NEW YORK, NY	Date Analyzed	: 12/04/20 17:35
Sample Matrix	: SOIL	Date Extracted	: 12/03/20
Analytical Method	: 134,LCMSMS-ID	Dilution Factor	: 1
Lab File ID	: I33422	Analyst	: JW
Sample Amount	: 4.5 g	Instrument ID	: LCMS02
Extraction Method	: ALPHA 23528	GC Column	: Acquity UPLC BEH C18
Extract Volume	: 2000 uL	%Solids	: 84
GPC Cleanup	: N	Injection Volume	: 3 uL

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
375-22-4	Perfluorobutanoic Acid (PFBA)	ND	0.532	0.024	U
2706-90-3	Perfluoropentanoic Acid (PFPeA)	ND	0.532	0.049	U
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	ND	0.532	0.042	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	0.074	0.532	0.056	J
375-85-9	Perfluoroheptanoic Acid (PFHpA)	ND	0.532	0.048	U
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	ND	0.532	0.064	U
335-67-1	Perfluorooctanoic Acid (PFOA)	0.074	0.532	0.045	JF
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	0.532	0.191	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	0.532	0.145	U
375-95-1	Perfluorononanoic Acid (PFNA)	ND	0.532	0.080	U
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	0.138	0.532	0.138	J
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	0.532	0.071	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	0.532	0.305	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	0.532	0.214	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	0.054	0.532	0.050	JF
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	0.532	0.163	U
754-91-6	Perfluorooctanesulfonamide (FOSA)	ND	0.532	0.104	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	0.532	0.090	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by Isotope Dilution

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Lab ID	: L2051957-02	**Date Collected**	: 11/20/20 10:30
Client ID	: SB23_5-6	**Date Received**	: 11/20/20
Sample Location	: NEW YORK, NY	**Date Analyzed**	: 12/04/20 17:35
Sample Matrix	: SOIL	**Date Extracted**	: 12/03/20
Analytical Method	: 134,LCMSMS-ID	**Dilution Factor**	: 1
Lab File ID	: I33422	**Analyst**	: JW
Sample Amount	: 4.5 g	**Instrument ID**	: LCMS02
Extraction Method	: ALPHA 23528	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 2000 uL	**%Solids**	: 84
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	0.532	0.074	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	0.532	0.217	U
376-06-7	Perfluorotetradecanoic Acid (PFTA)	ND	0.532	0.057	U
NONE	PFOA/PFOS, Total	0.212	0.532	0.045	J

Results Summary
Form 1
Perfluorinated Alkyl Acids by Isotope Dilution

Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Lab ID	: WG1440618-1	Date Collected	: NA
Client ID	: WG1440618-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/04/20 16:28
Sample Matrix	: SOIL	Date Extracted	: 12/03/20
Analytical Method	: 134,LCMSMS-ID	Dilution Factor	: 1
Lab File ID	: I33418	Analyst	: JW
Sample Amount	: 4 g	Instrument ID	: LCMS02
Extraction Method	: ALPHA 23528	GC Column	: Acquity UPLC BEH C18
Extract Volume	: 2000 uL	%Solids	: NA
GPC Cleanup	: N	Injection Volume	: 3 uL

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
375-22-4	Perfluorobutanoic Acid (PFBA)	ND	0.500	0.023	U
2706-90-3	Perfluoropentanoic Acid (PFPeA)	ND	0.500	0.046	U
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	ND	0.500	0.039	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	0.055	0.500	0.053	JF
375-85-9	Perfluoroheptanoic Acid (PFHpA)	ND	0.500	0.045	U
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	ND	0.500	0.061	U
335-67-1	Perfluorooctanoic Acid (PFOA)	ND	0.500	0.042	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	0.500	0.180	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	0.500	0.136	U
375-95-1	Perfluorononanoic Acid (PFNA)	ND	0.500	0.075	U
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	ND	0.500	0.130	U
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	0.500	0.067	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	0.500	0.287	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	0.500	0.202	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	0.500	0.047	U
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	0.500	0.153	U
754-91-6	Perfluorooctanesulfonamide (FOSA)	ND	0.500	0.098	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	0.500	0.085	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by Isotope Dilution

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Lab ID	: WG1440618-1	**Date Collected**	: NA
Client ID	: WG1440618-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 12/04/20 16:28
Sample Matrix	: SOIL	**Date Extracted**	: 12/03/20
Analytical Method	: 134,LCMSMS-ID	**Dilution Factor**	: 1
Lab File ID	: I33418	**Analyst**	: JW
Sample Amount	: 4 g	**Instrument ID**	: LCMS02
Extraction Method	: ALPHA 23528	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 2000 uL	**%Solids**	: NA
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	0.500	0.070	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	0.500	0.204	U
376-06-7	Perfluorotetradecanoic Acid (PFTA)	ND	0.500	0.054	U
NONE	PFOA/PFOS, Total	ND	0.500	0.042	U

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Last Altered: Sunday, December 06, 2020 22:56:32 Eastern Standard Time
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Method: C:\MassLynx\Data\2020\201204_537ISO.PRO\MethDB\537ISO_Q_201027_TOP_RT.mdb 06 Nov 2020 07:37:19
Calibration: C:\MassLynx\Data\2020\201204_537ISO.PRO\CurveDB\201027_ISO_ICAL.cdb 28 Oct 2020 09:14:48

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Name: I33421
Date: 04-Dec-2020
Time: 17:18:39
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Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:JW
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Tune Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\200520_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4		212.926 > 169.111			ND		na	
2	M3PFBA	INT STD	2.16	215.926 > 172.122	31766		10.816		na	108.2
3	MPFBA	INT STD	2.16	216.926 > 172.137	35463		9.233		na	92.3
4	PFPeA	2706-90-3	4.98	262.926 > 219.002	170	m4	0.044		na	
5	M5PFPEA	INT STD	4.98	267.989 > 223.081	54175		10.955		na	109.6
6	PFBS	375-73-5		298.926 > 79.923			ND		YES	
7	M3PFBS	INT STD	5.62	301.989 > 80.254	8442		8.886		na	88.9
8	4:2FTS	757124-72-4		326.926 > 306.957			ND		YES	
9	M2-4:2FTS	INT STD	6.76	329.117 > 309.079	3780		10.860		na	108.6
10	PFHxA	307-24-4	6.84	312.989 > 269.028	514	m4,m7	0.108	18.78	YES	
11	M5PFHxA	INT STD	6.84	317.989 > 273.045	52019		9.510		na	95.1
12	PFPeS	2706-91-4		348.926 > 80.251			ND		YES	
13	PFHpA	375-85-9		362.926 > 319.014			ND		YES	
14	M4PFHpA	INT STD	8.11	366.926 > 321.979	67581		9.847		na	98.5
15	br-PFHxS	355-46-4		398.926 > 80.295			ND		YES	
16	L-PFHxS	355-46-4		398.926 > 80.295			ND		YES	
17	PFHxS	355-46-4		398.926 > 80.295	0		ND		na	
18	M3PFHxS	INT STD	8.27	401.926 > 80.317	8162		9.708		na	97.1
19	br-PFOA	335-67-1		412.989 > 368.9			ND		YES	
20	L-PFOA	335-67-1		412.989 > 368.9			ND		YES	
21	M2PFOA	INT STD	9.05	415.032 > 369.968	84210		13.484		na	134.8
22	PFOA	335-67-1		412.989 > 368.9	0		ND		na	
23	M8PFOA	INT STD	9.05	420.989 > 375.979	87603		9.474		na	94.7
24	6:2FTS	27619-97-2		427.161 > 407.155			ND		YES	
25	M2-6:2FTS	INT STD	9.01	429.146 > 409.14	4266		11.216		na	112.2
26	PFHpS	375-92-8		448.926 > 80.257			ND		YES	
27	PFNA	375-95-1		462.989 > 418.931			ND		YES	
28	M9PFNA	INT STD	9.82	472.053 > 426.947	34172		9.650		na	96.5
29	br-PFOS	1763-23-1		498.989 > 80.294			ND		YES	
30	L-PFOS	1763-23-1		498.989 > 80.294			ND		YES	
31	PFOS	1763-23-1		498.989 > 80.294	0		ND		na	
32	M4PFOS	INT STD	9.87	503.032 > 80.306	7763		10.391		na	103.9
33	M8PFOS	INT STD	9.87	507.053 > 80.294	8740		9.011		na	90.1
34	PFDA	335-76-2		513.053 > 468.906			ND		YES	
35	M2PFDA	INT STD	10.45	515.053 > 469.934	69052		15.897		na	159.0
36	M6PFDA	INT STD	10.44	519.053 > 473.931	70706		9.363		na	93.6
37	8:2FTS	39108-34-4		527.177 > 507.171			ND		YES	
38	M2-8:2FTS	INT STD	10.44	529.162 > 509.155	3861		14.573		na	145.7
39	PFNS	68259-12-1		548.989 > 80.249			ND		YES	

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MS Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.82	573.22 > 419.061	6200		7.877		na	78.8
41	br-NMeFOSAA			570.202 > 419.061			ND		YES	
42	L-NMeFOSAA			570.202 > 419.061			ND		YES	
43	NMeFOSAA	2355-31-9		570.202 > 419.061	0		ND		na	
44	PFUnA	2058-94-8		562.989 > 518.903			ND		YES	
45	M7-PFUDA	INT STD	10.98	570.053 > 524.923	67232		10.418		na	104.2
46	PFDS	335-77-3		598.926 > 80.314			ND		YES	
47	FOSA	754-91-6		498.146 > 78.07			ND		YES	
48	M8FOSA	INT STD	10.89	506.077 > 78.07	28778		5.761		na	57.6
49	br-NEtFOSAA			584.229 > 419.061			ND		YES	
50	L-NEtFOSAA			584.229 > 419.061			ND		YES	
51	NEtFOSAA	2991-50-6		584.229 > 419.061	0		ND		na	
52	d5-NEtFOSAA	INT STD	11.11	589.259 > 419.061	4690		7.471		na	74.7
53	PFDoA	307-55-1		612.989 > 568.967			ND		YES	
54	MPFDOA	INT STD	11.45	614.989 > 569.92	75429		10.405		na	104.0
55	PFTrDA	72629-94-8		663.053 > 618.969			ND		YES	
56	PFTA	376-06-7		713.053 > 668.976			ND		YES	
57	M2PFTEDA	INT STD	12.22	715.094 > 670.092	26322		7.394		na	73.9

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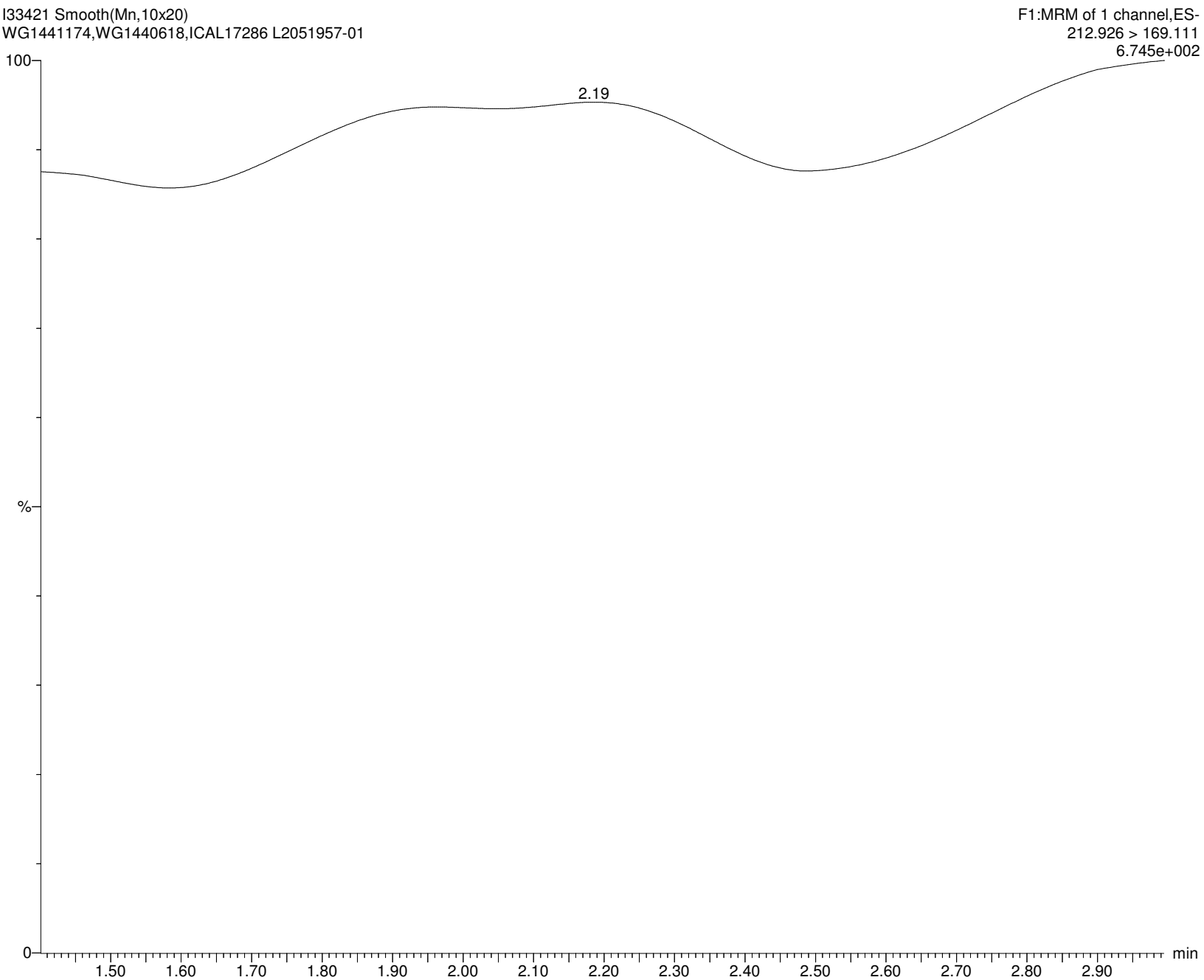

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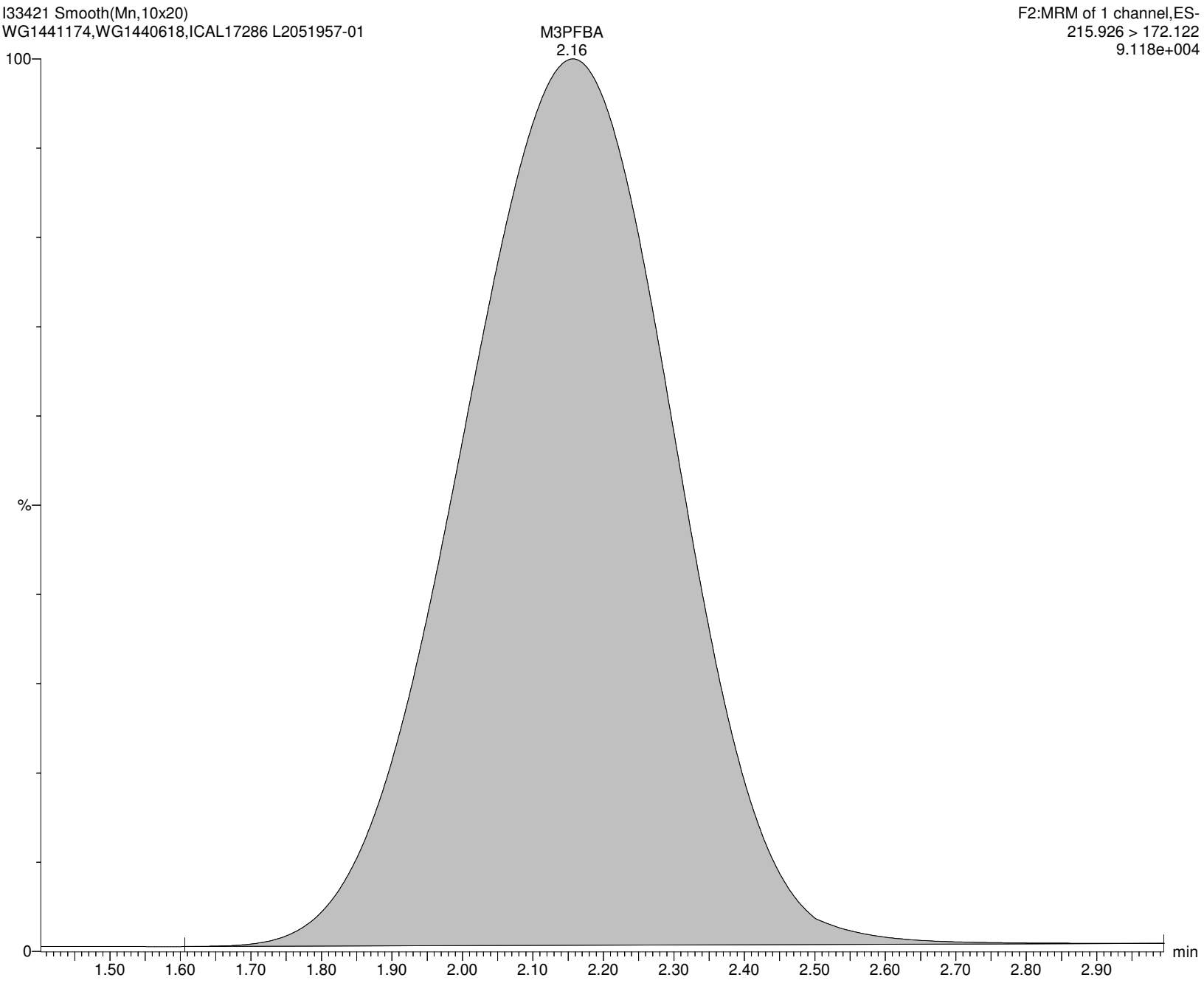

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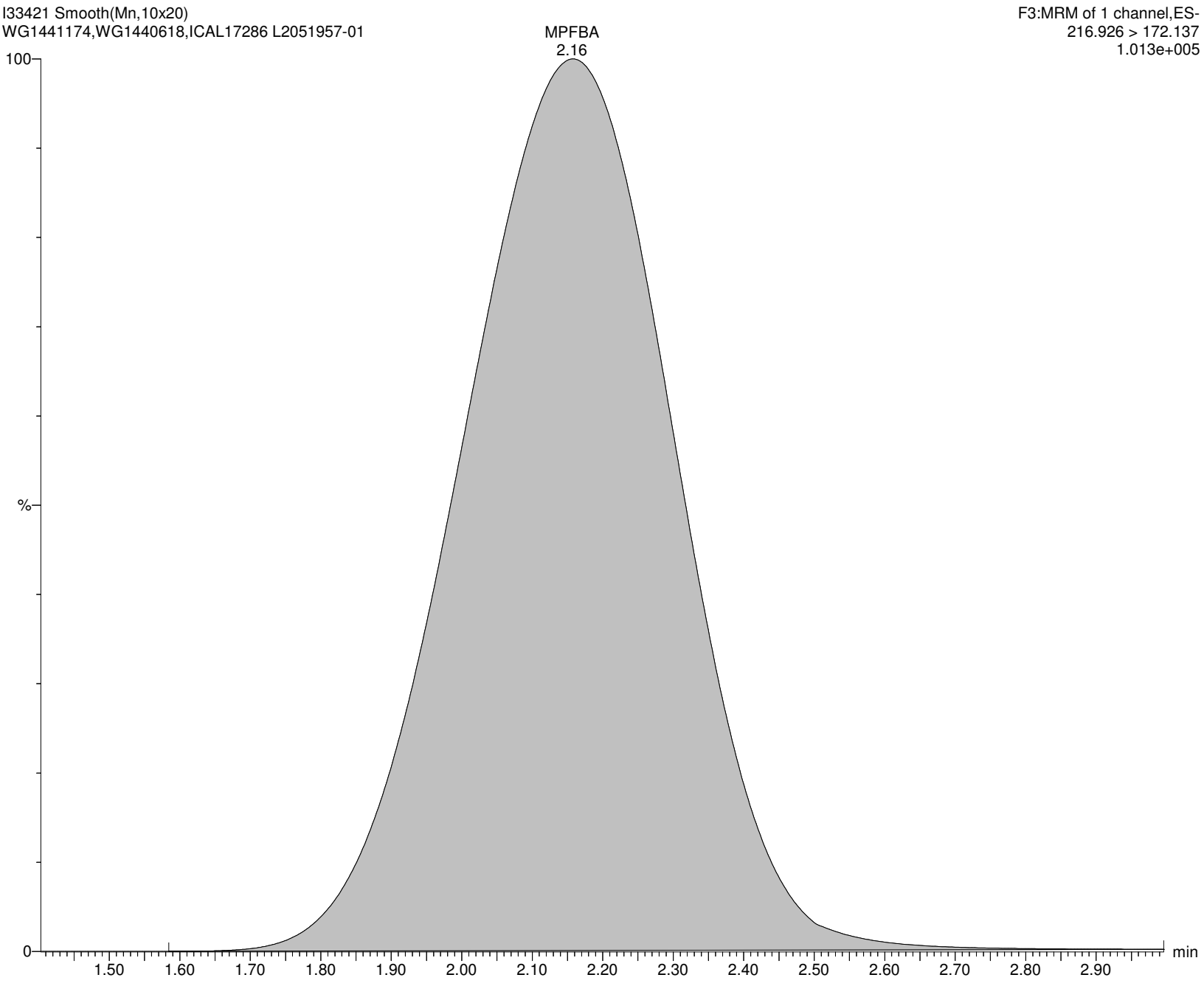

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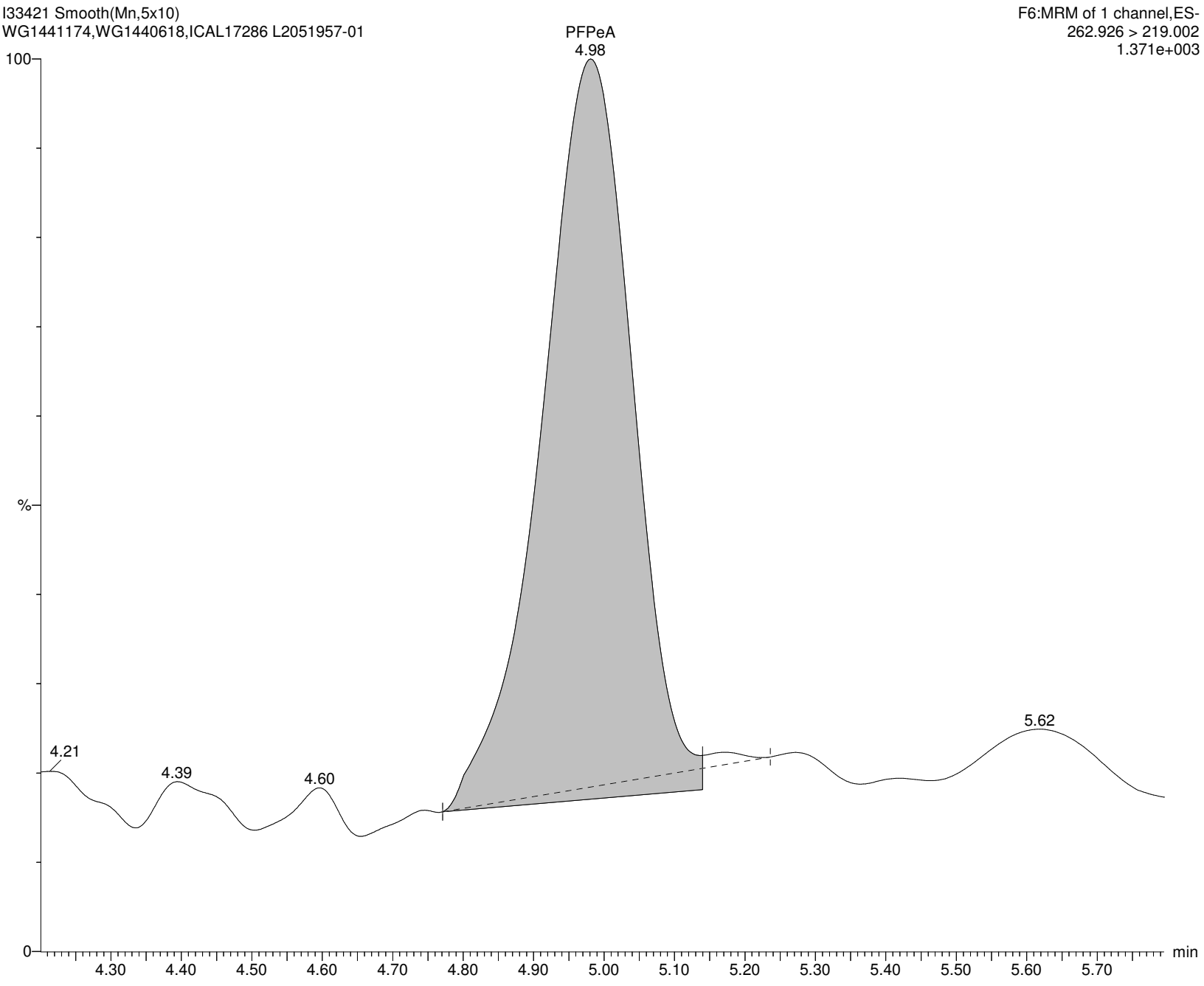

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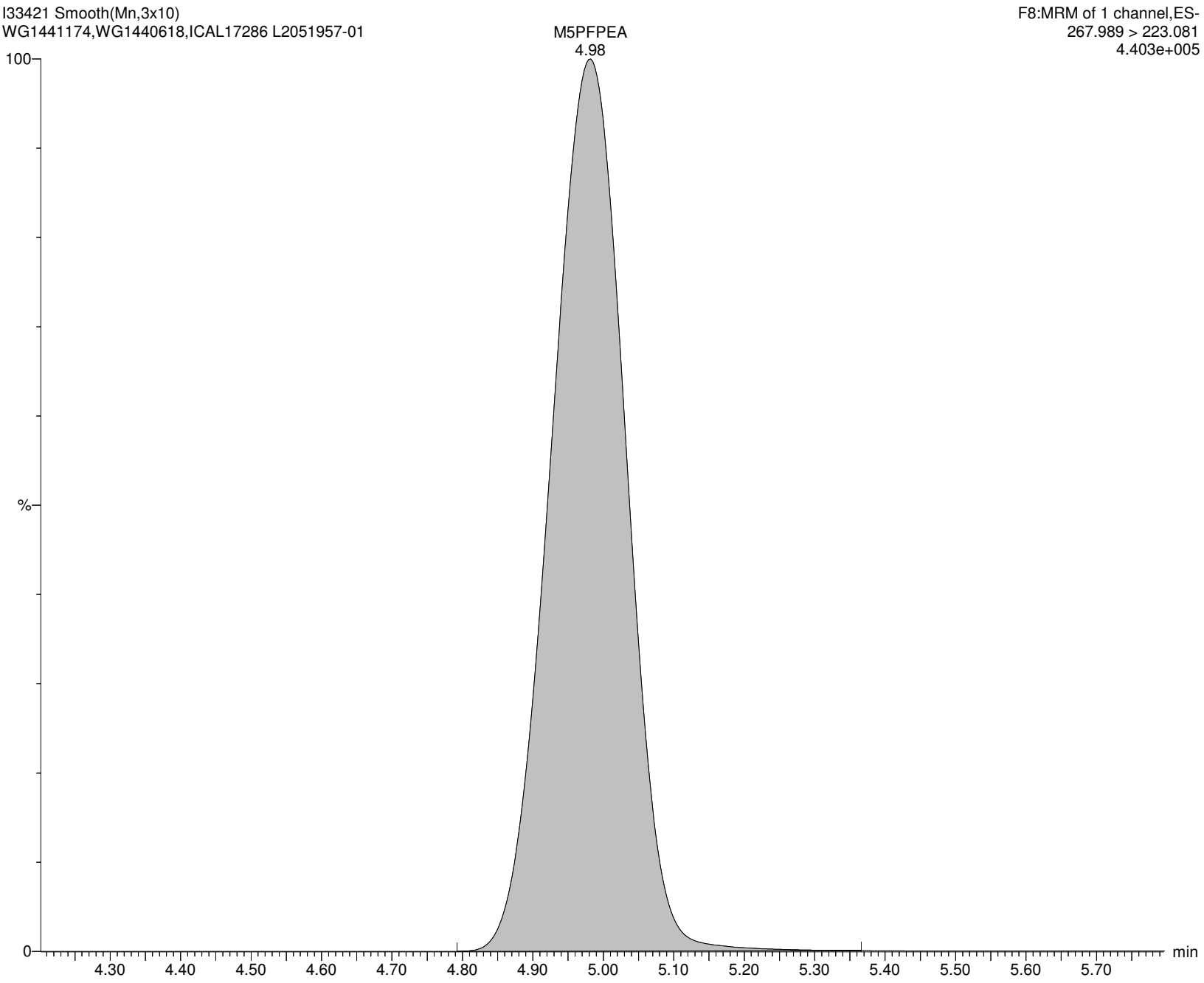

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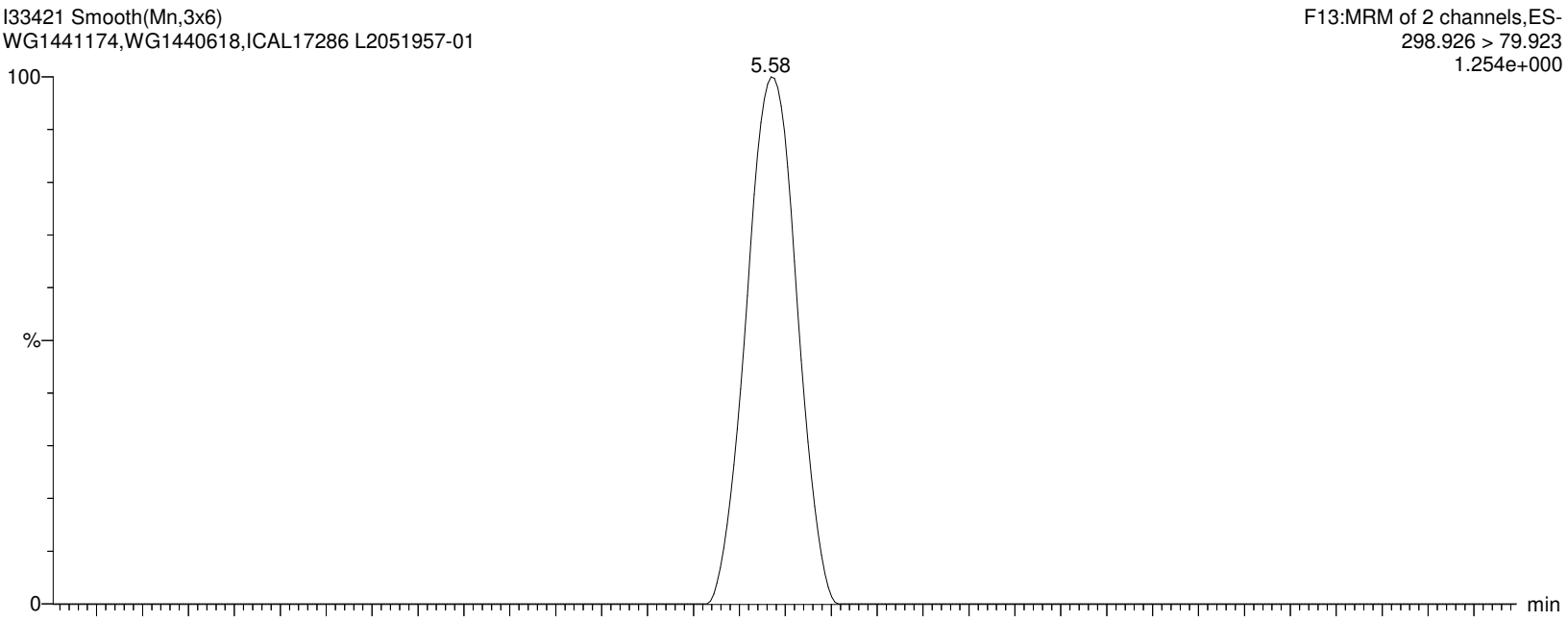

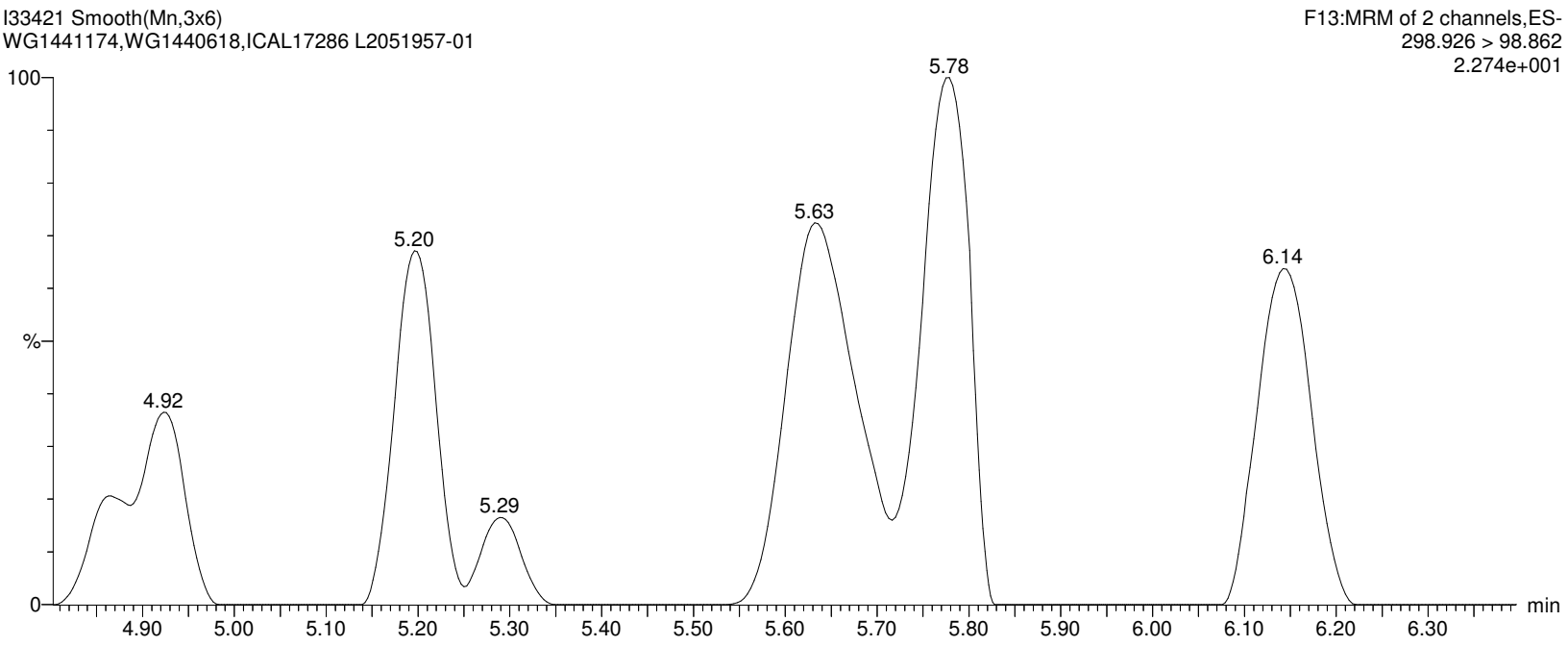

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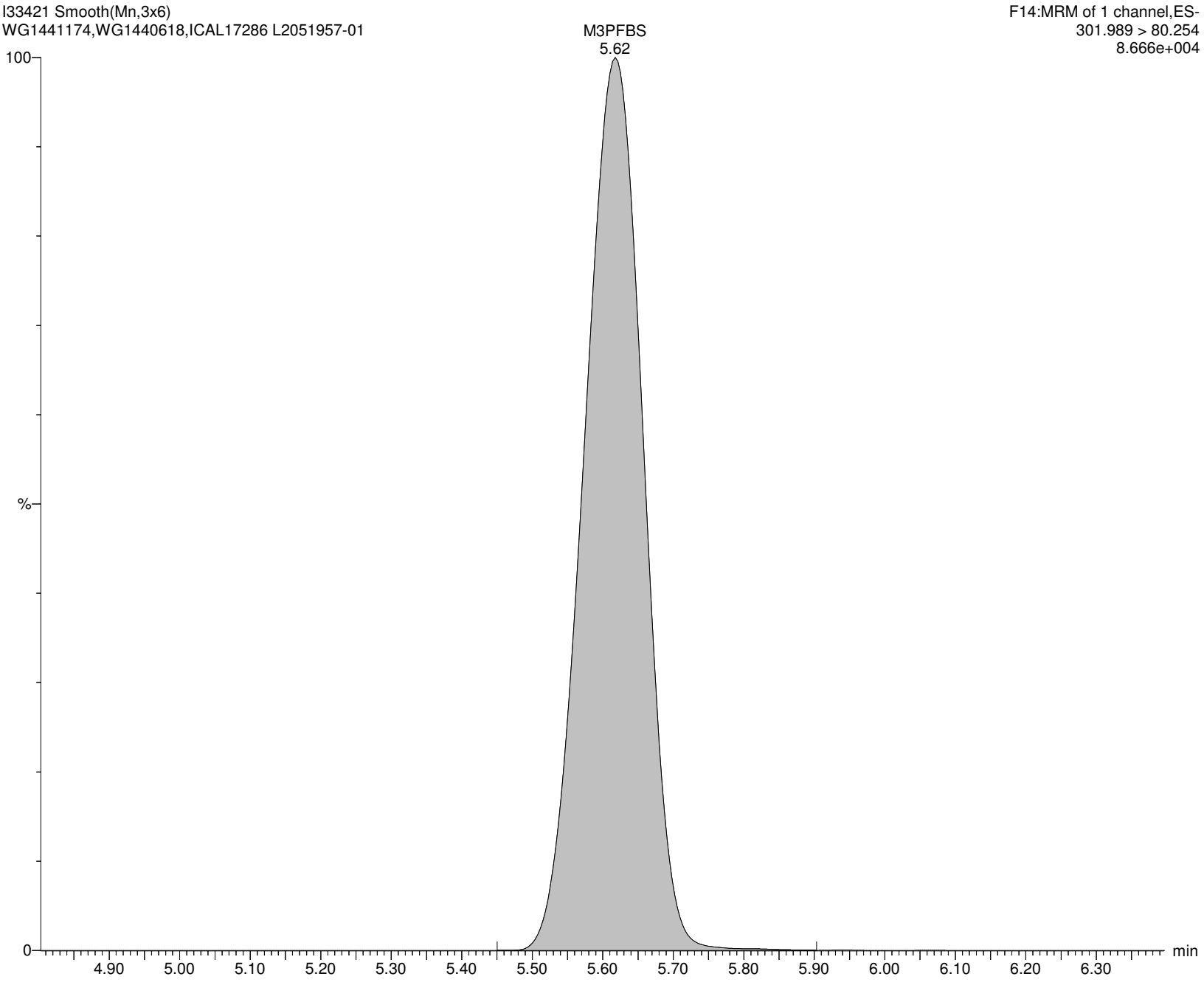

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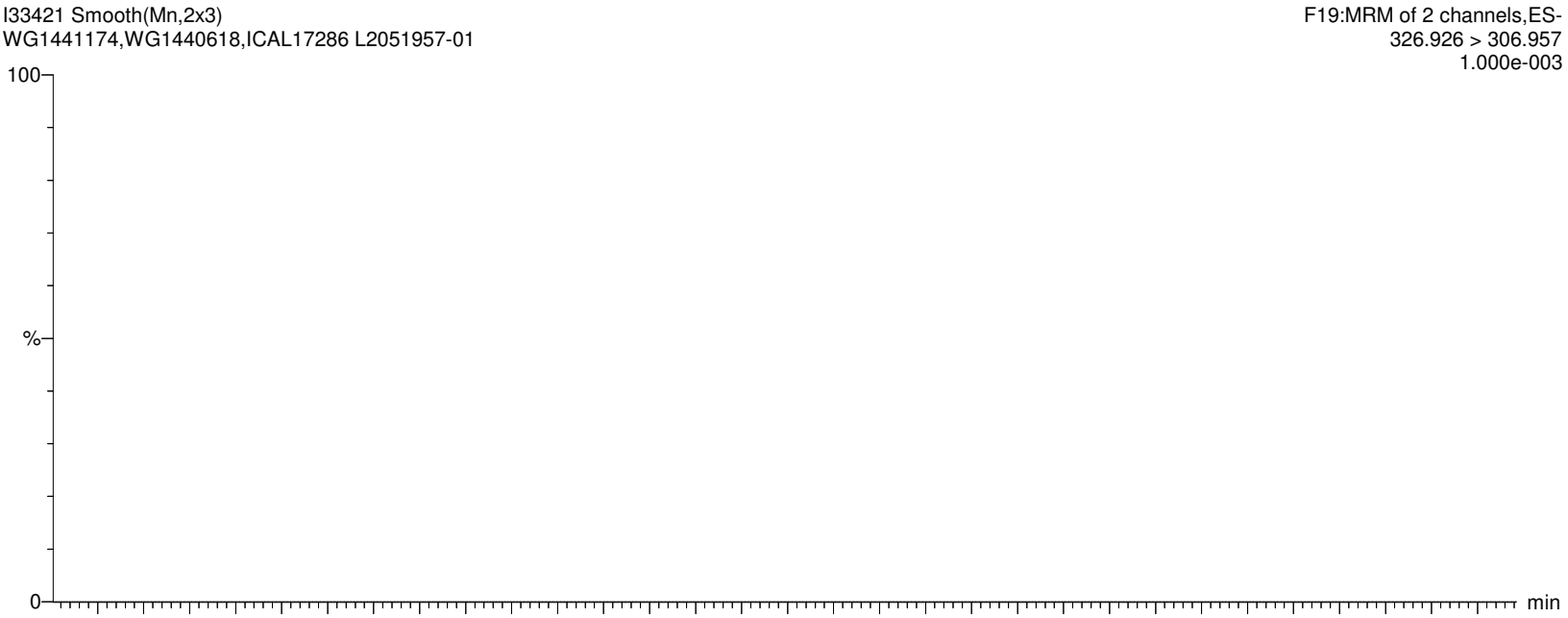

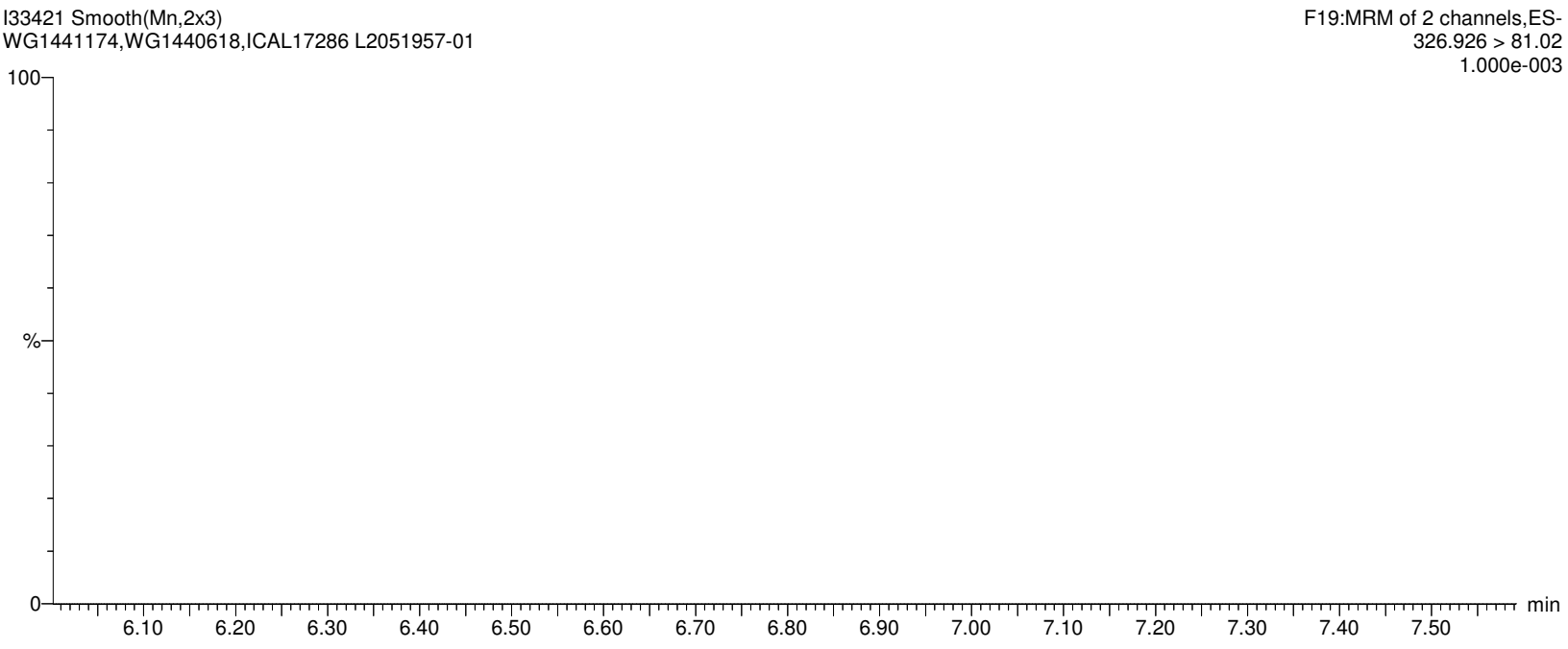

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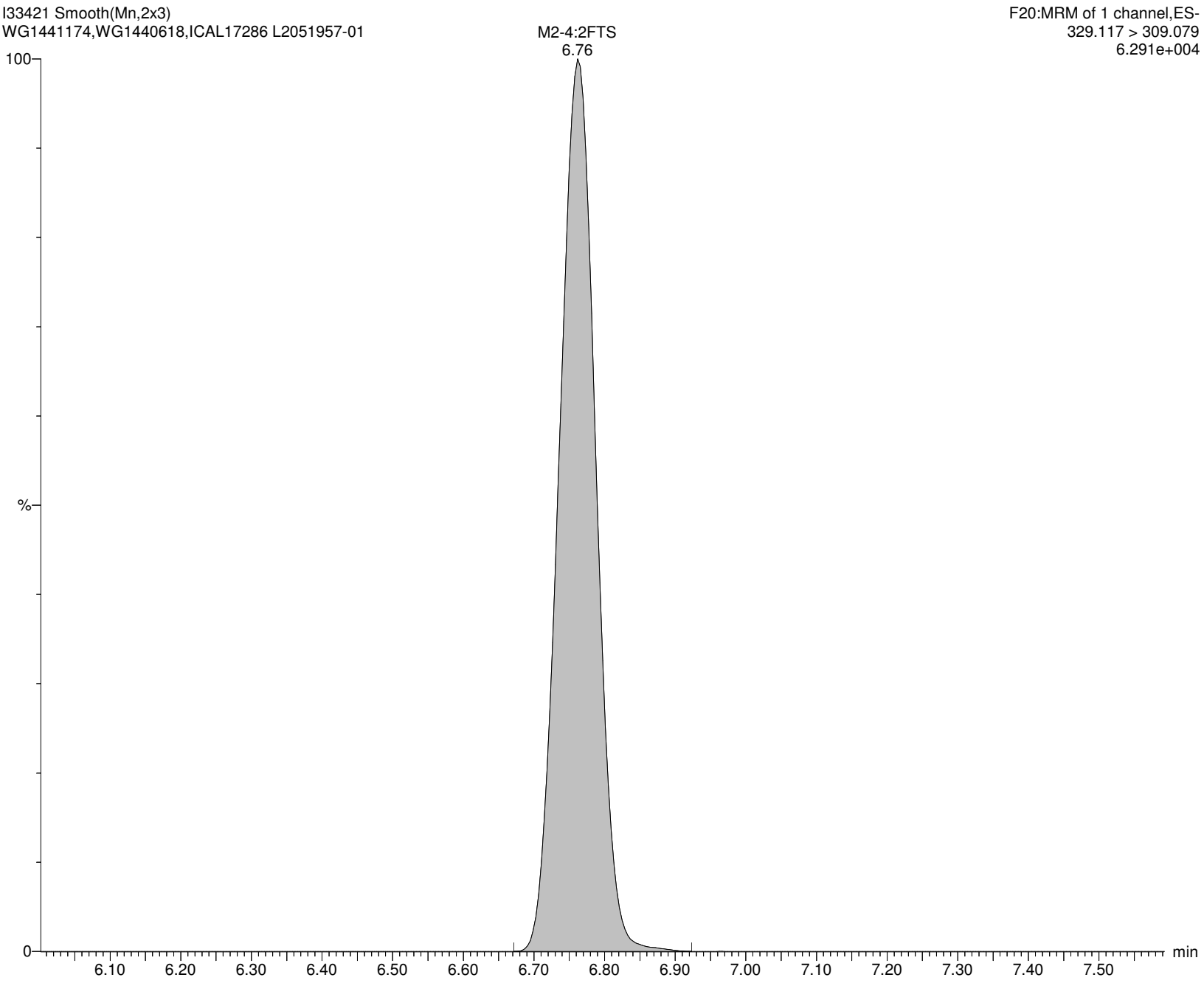

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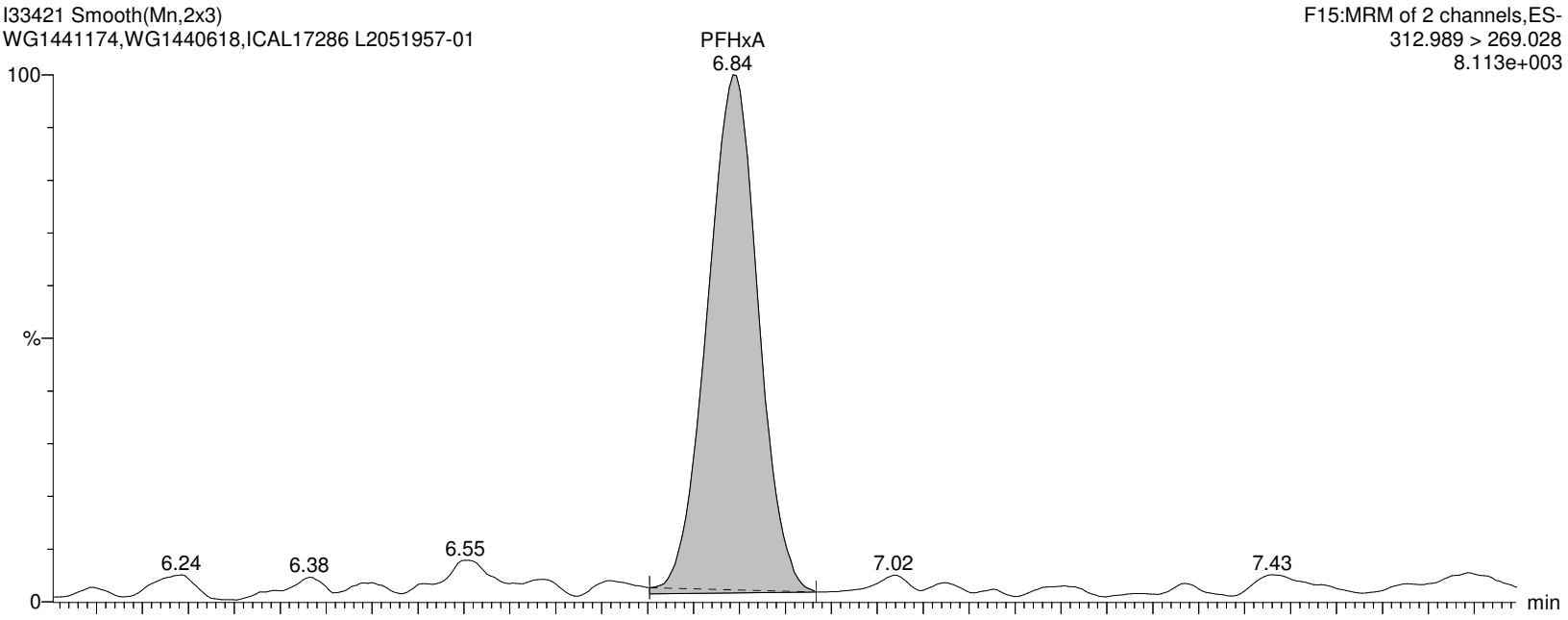

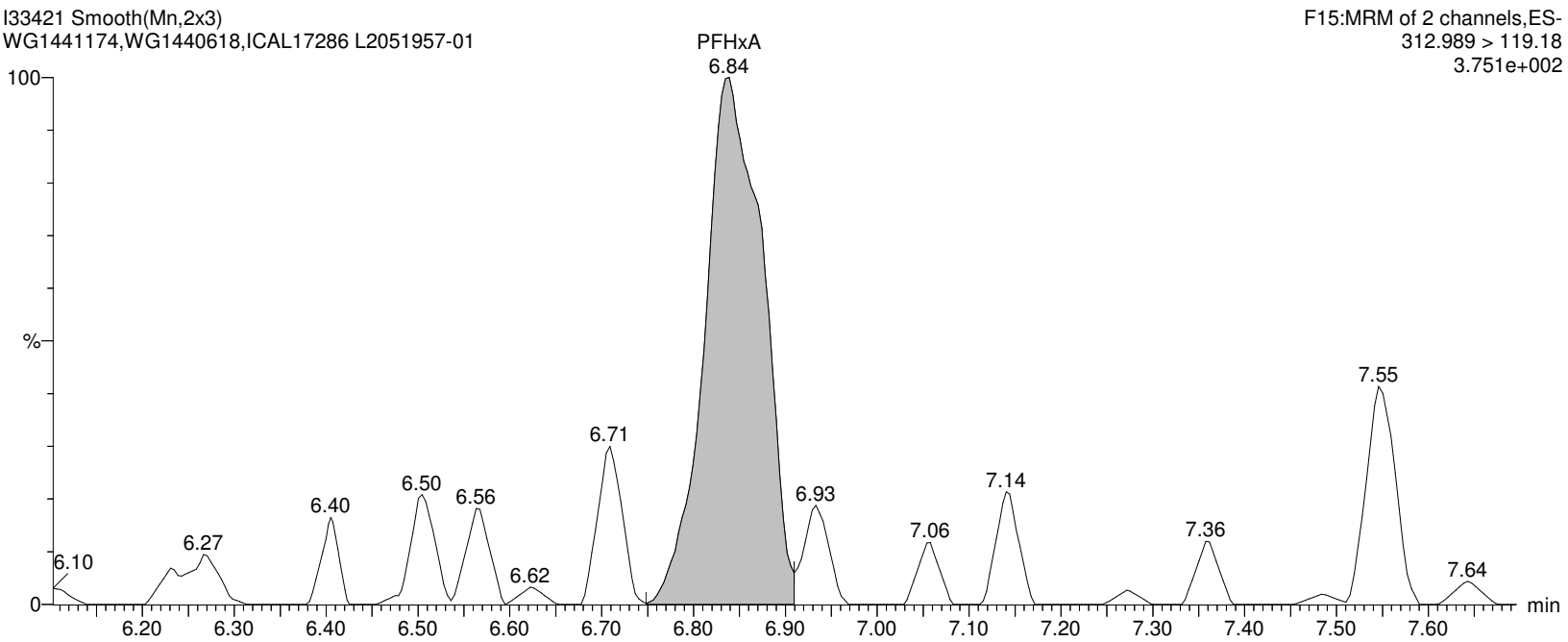

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
Last Altered: Sunday, December 06, 2020 22:56:32 Eastern Standard Time
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Name: I33421
ID: L2051957-01
Date: 04-Dec-2020
Time: 17:18:39
Description: WG1441174,WG1440618,ICAL17286
User: LCMS02:JW
Vial: 1:D,3
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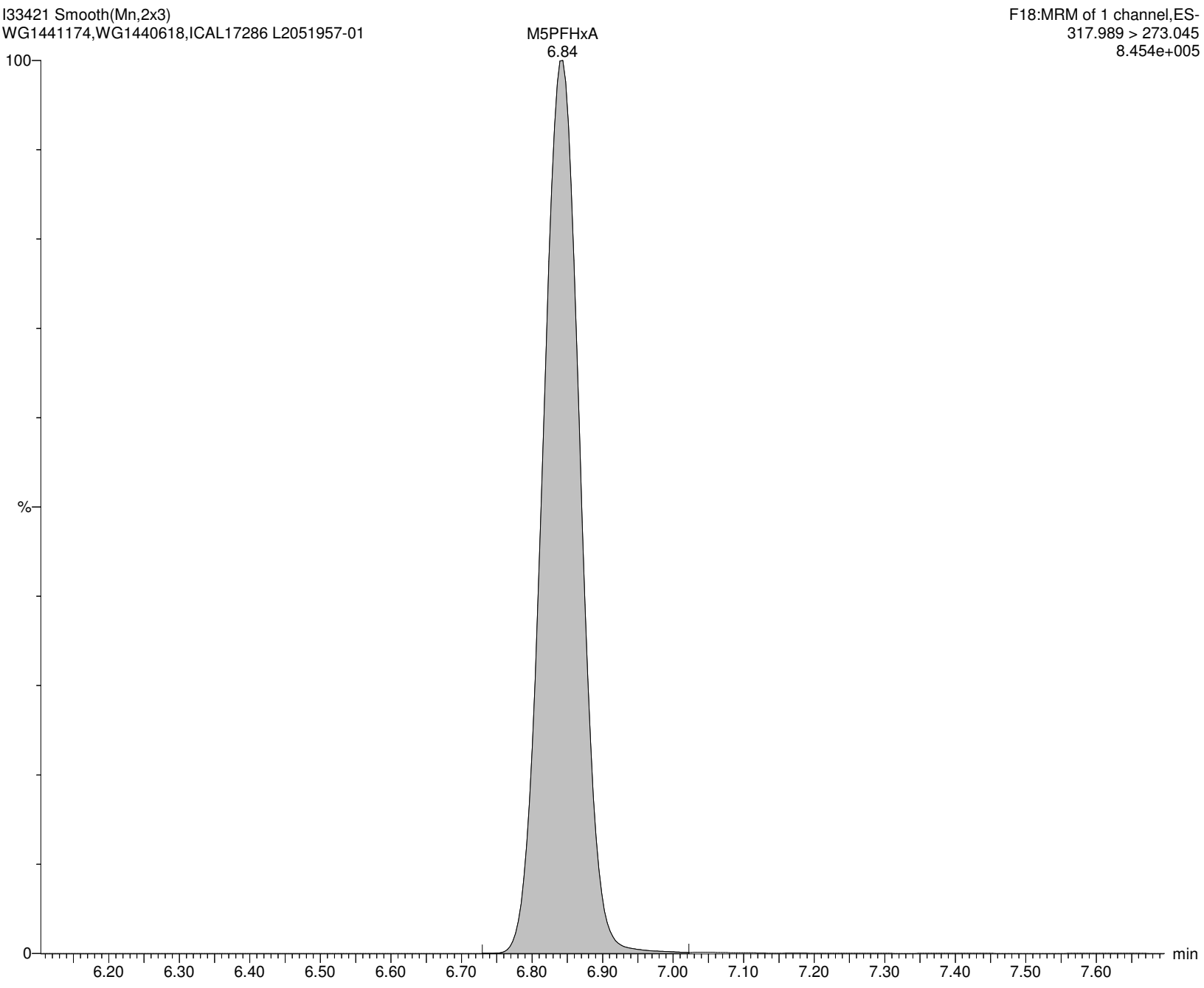

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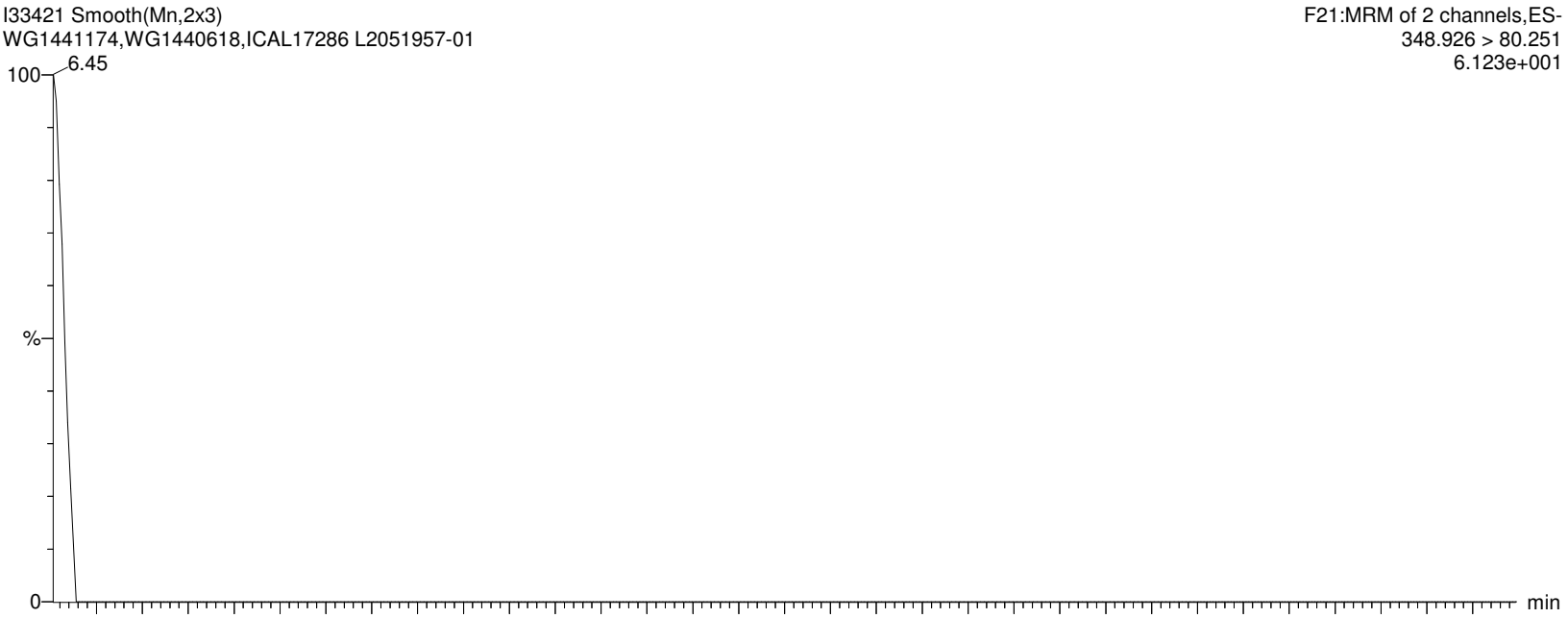

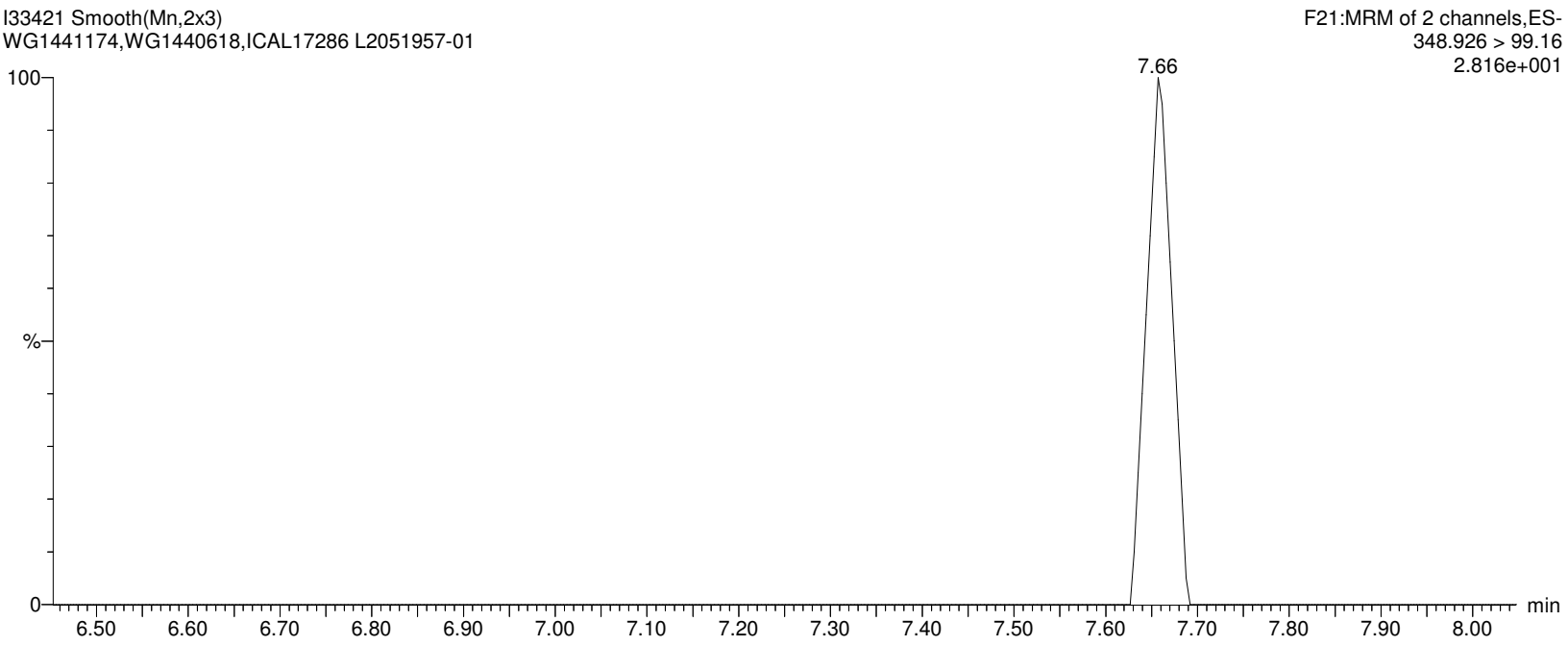

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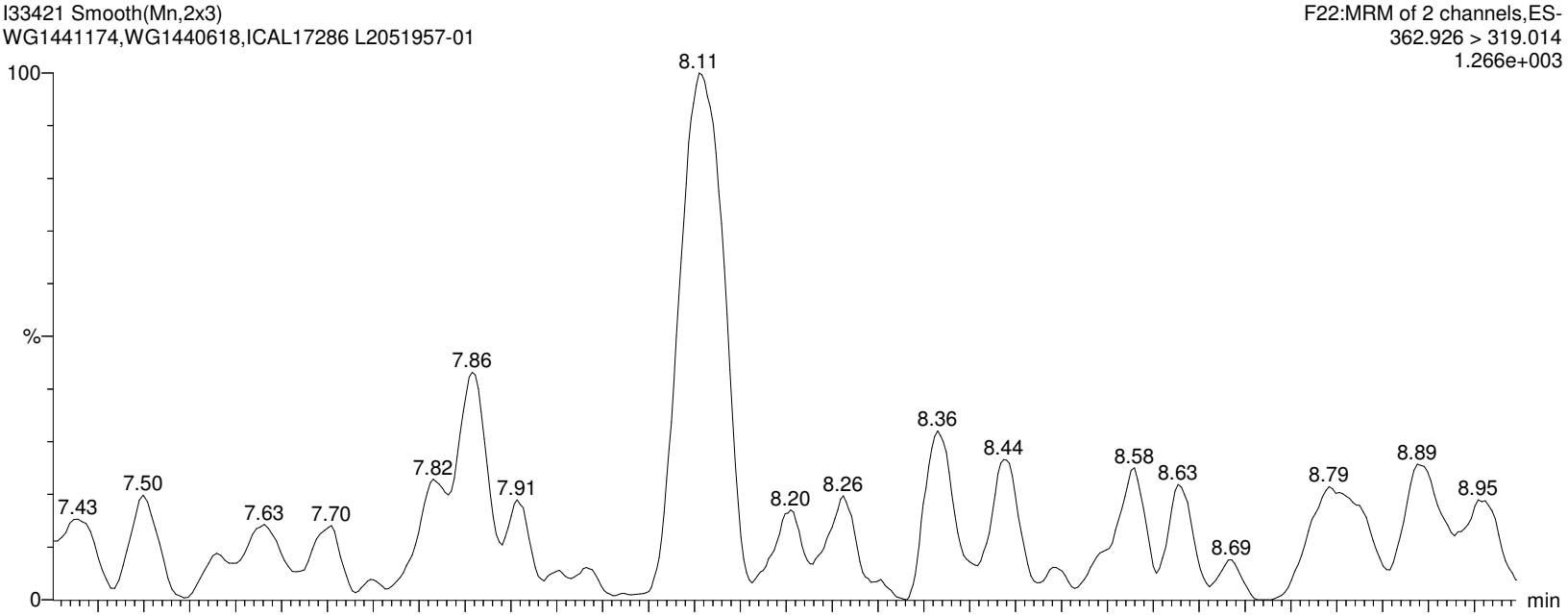

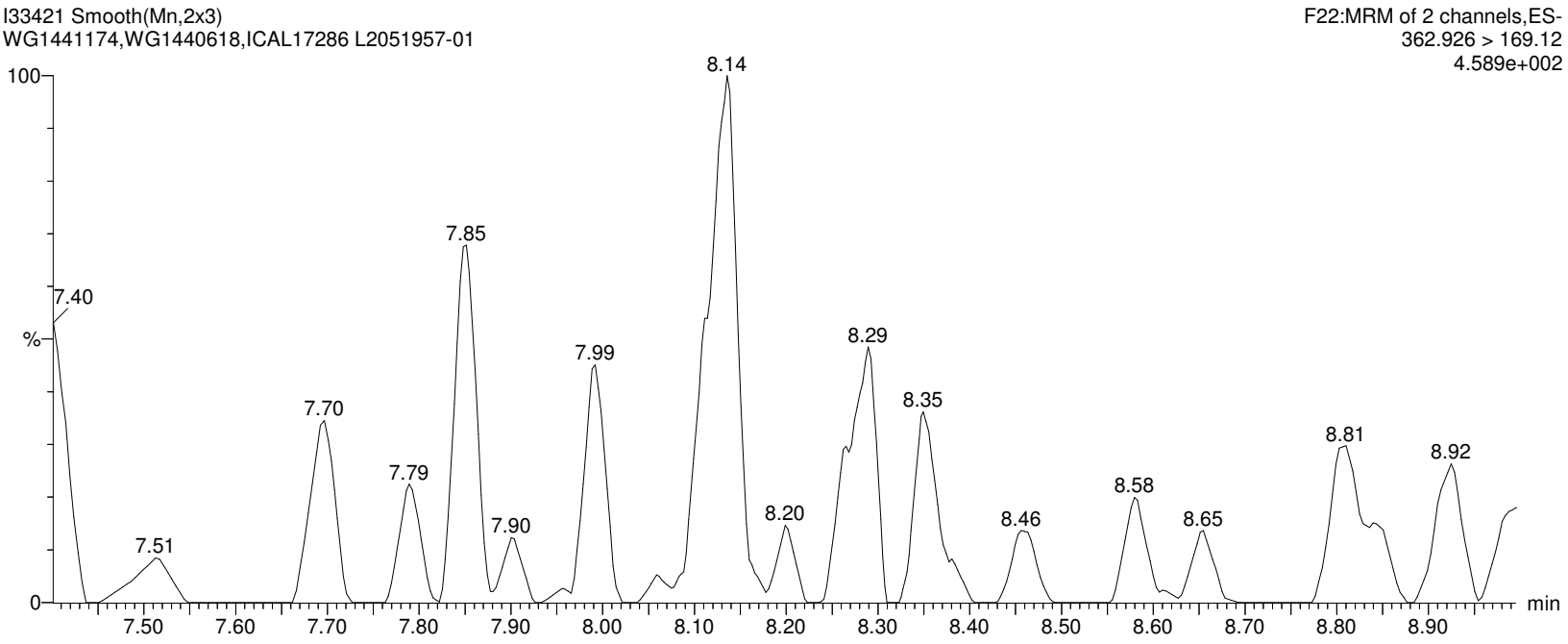

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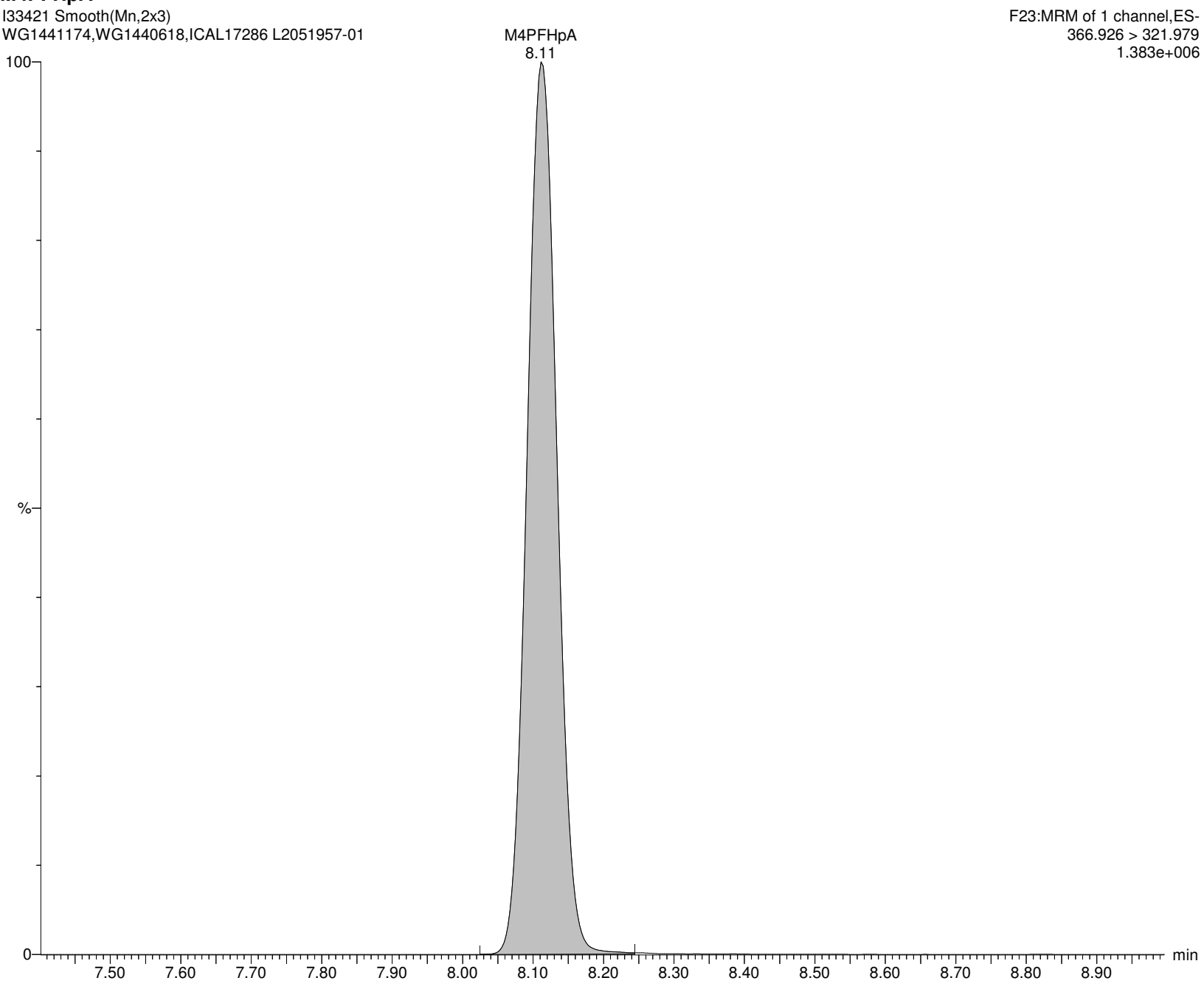

all concentration units in (ng/mL)

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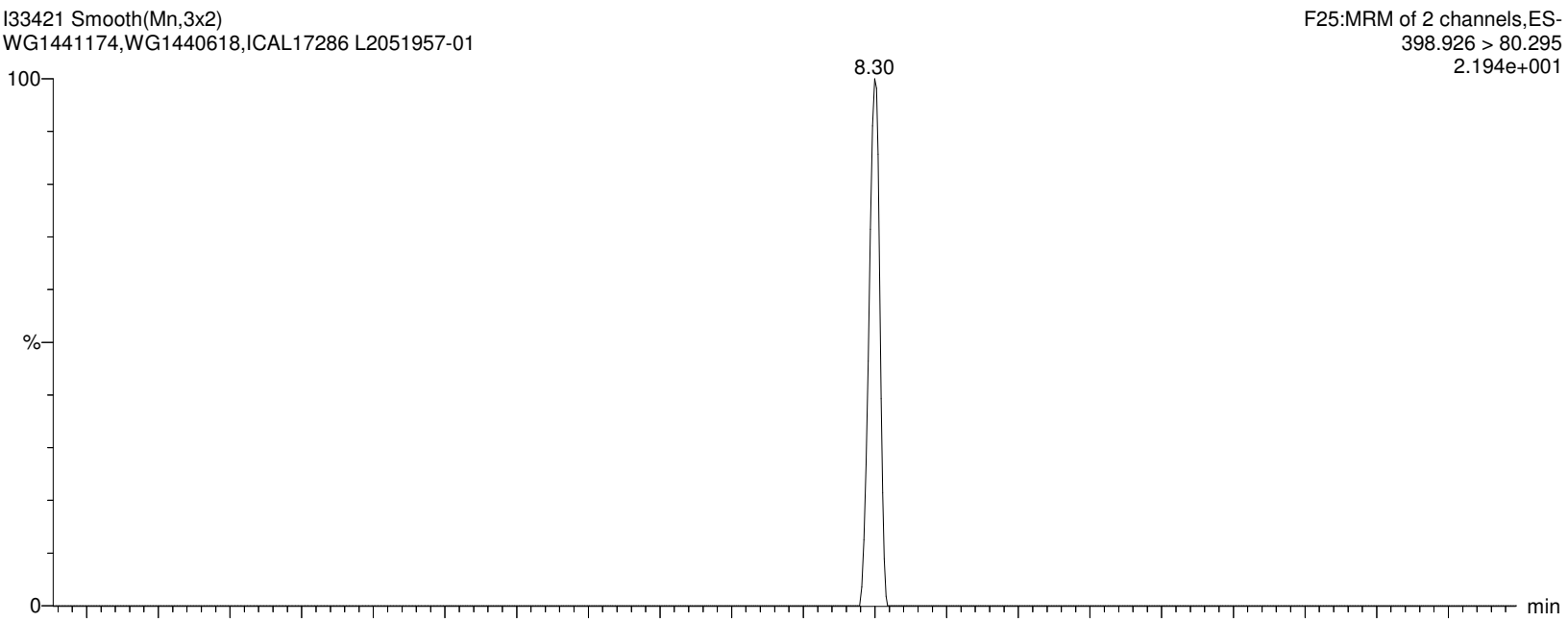

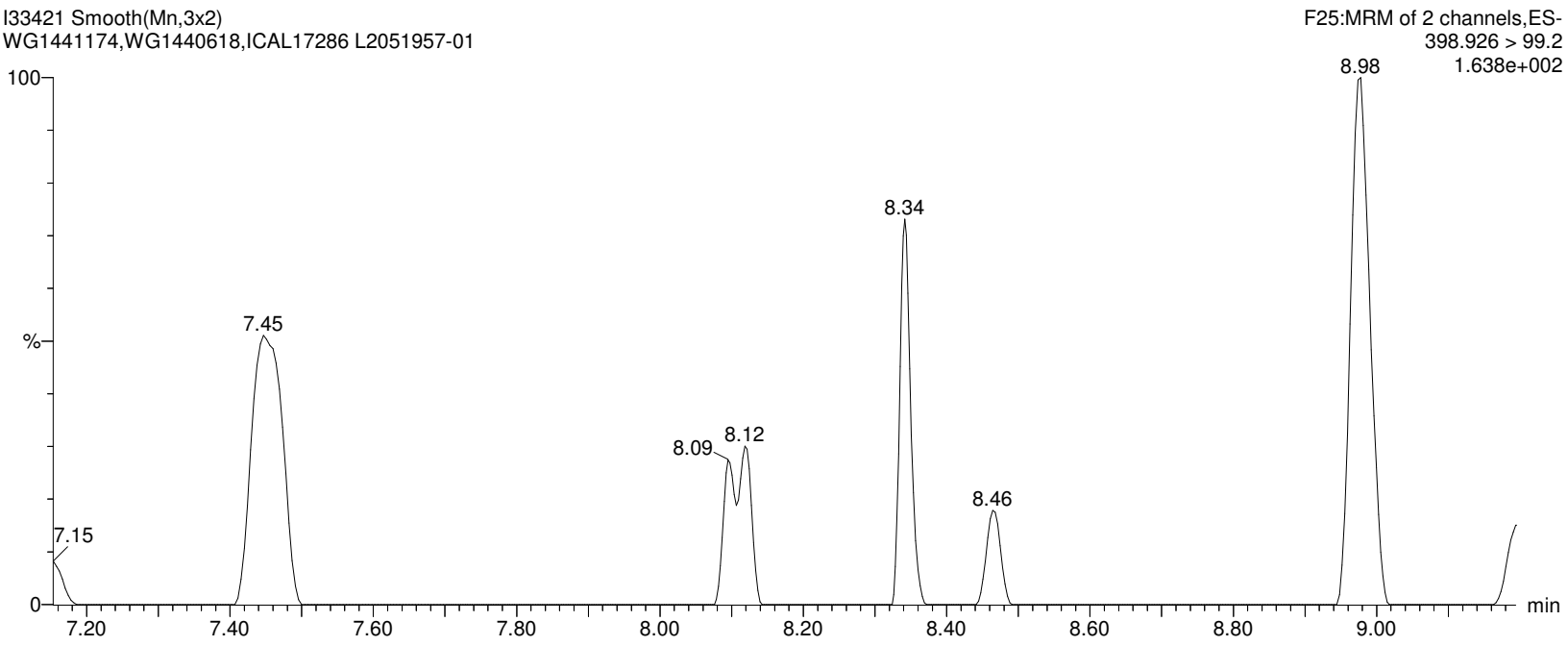

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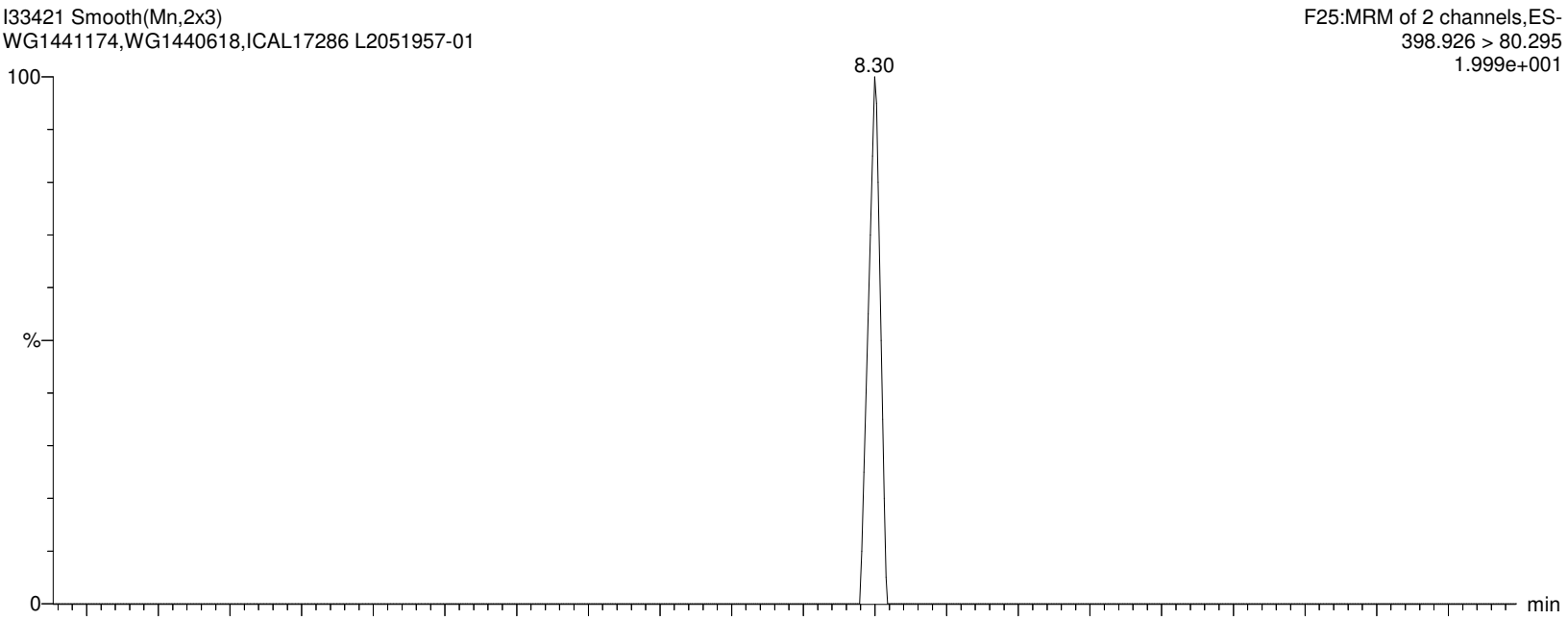

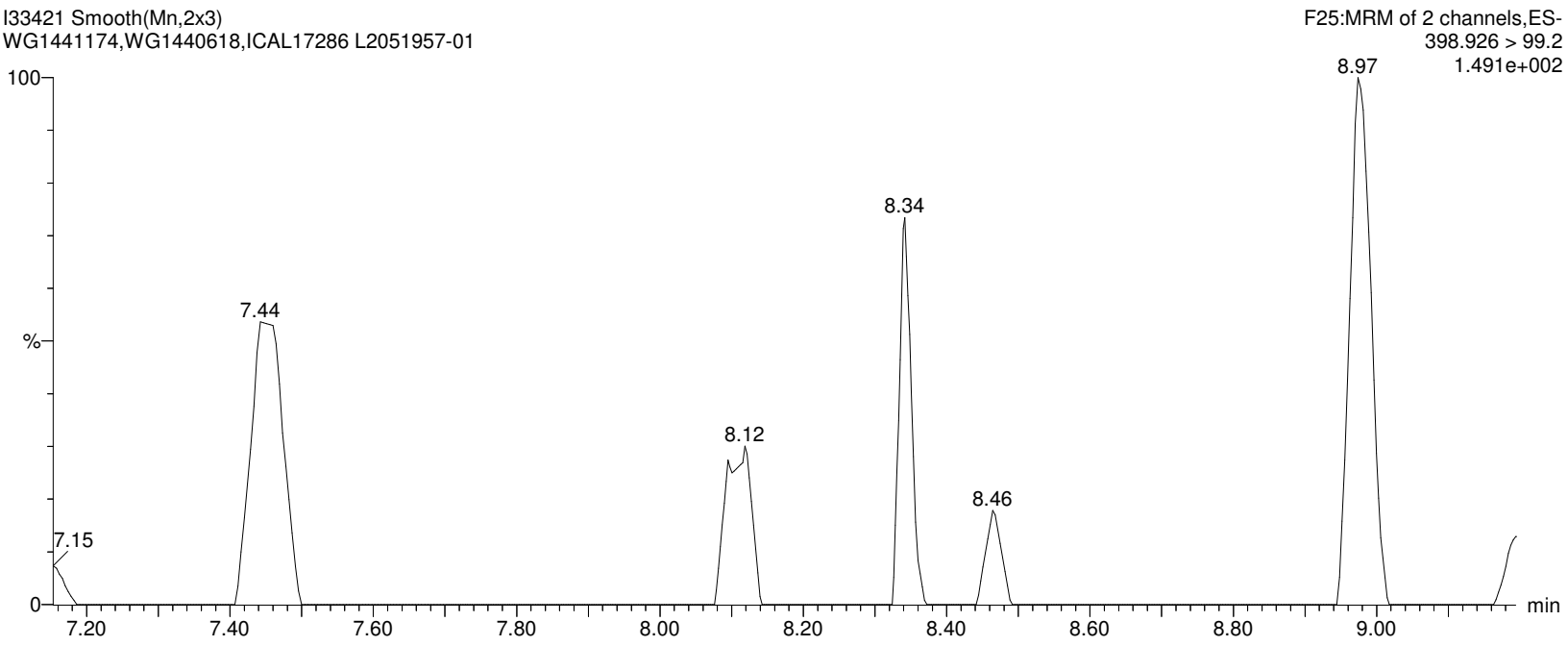

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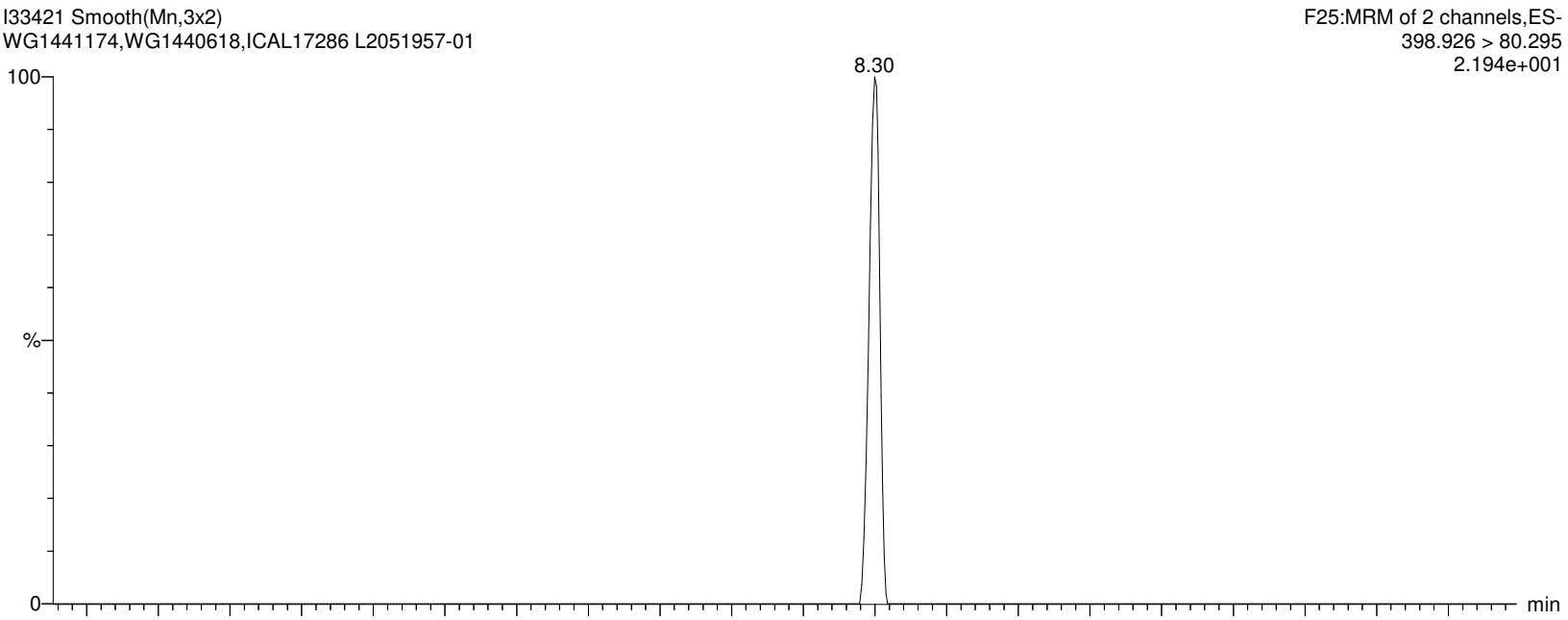

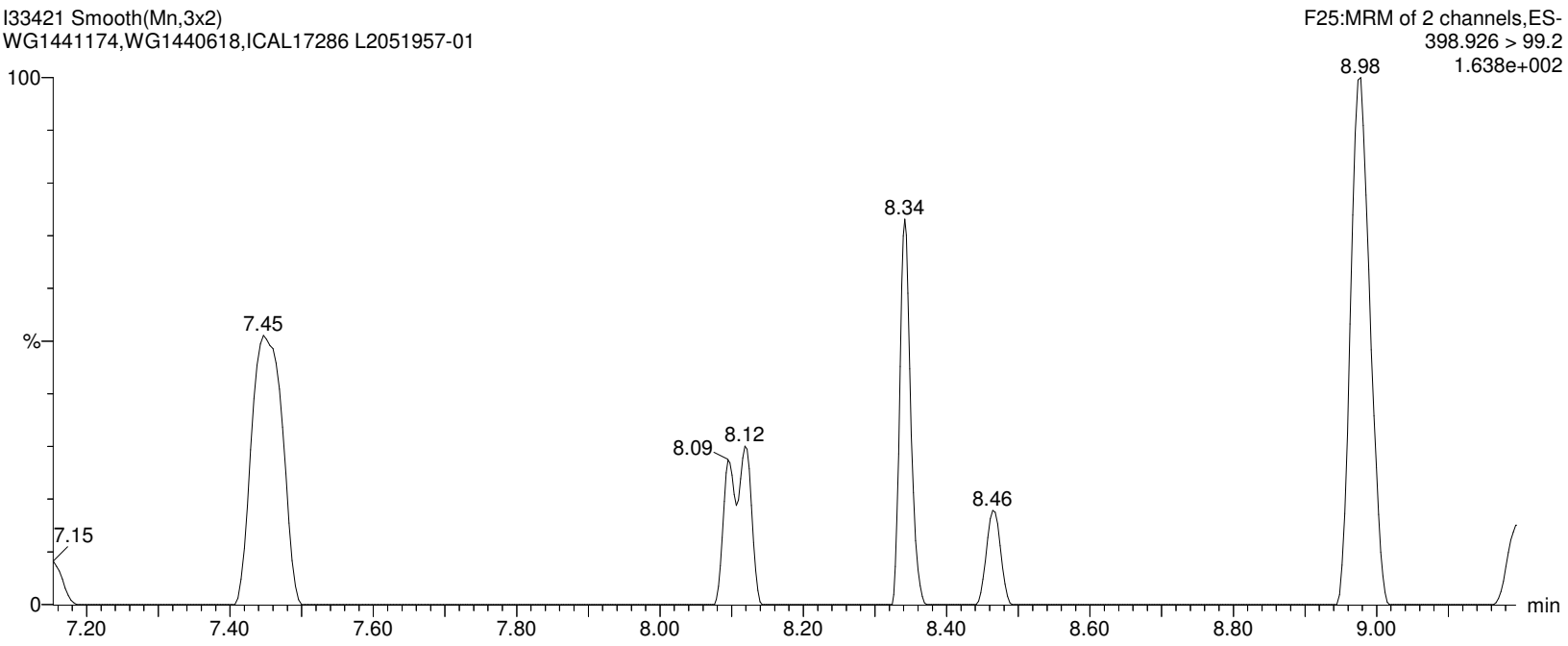

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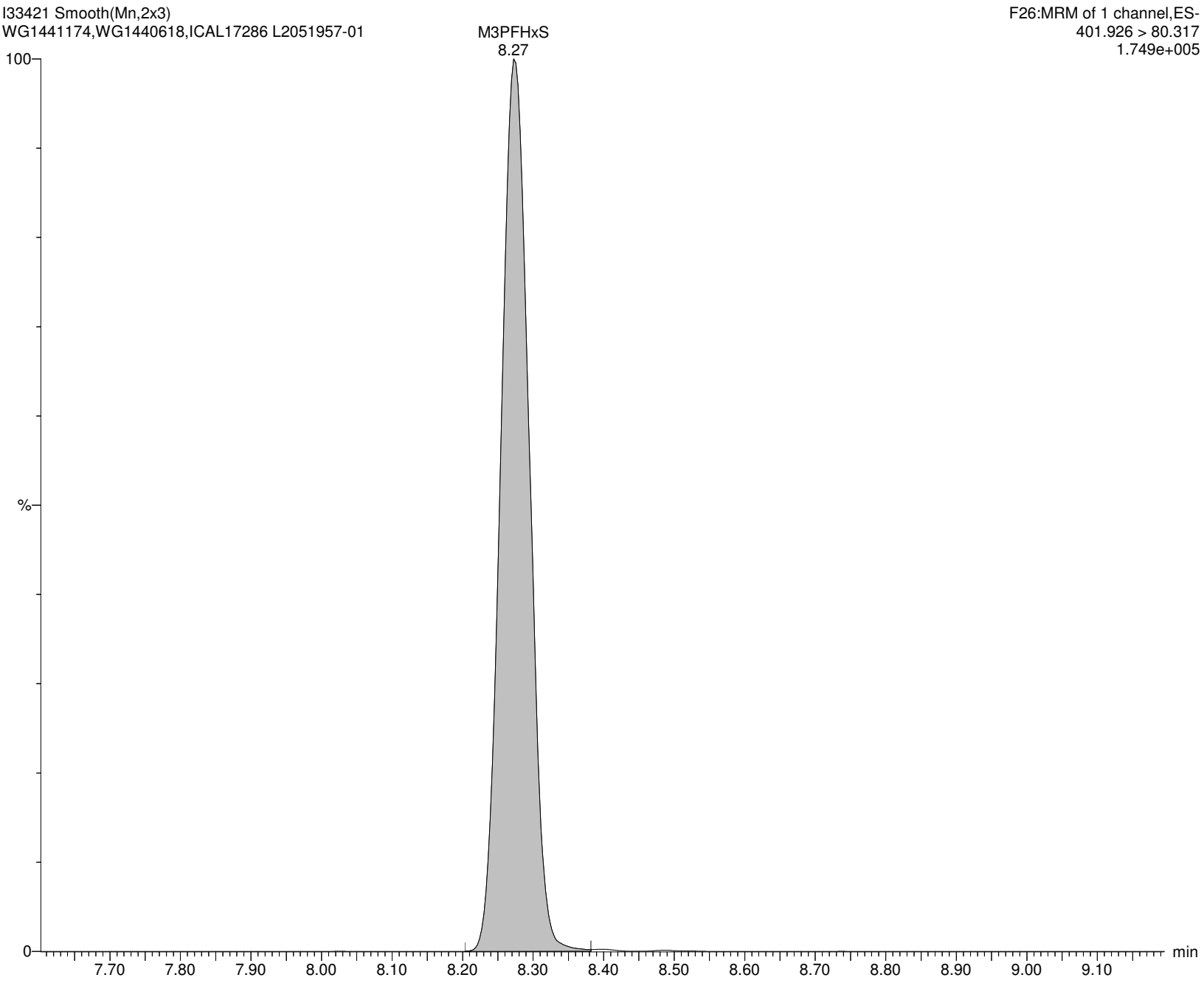

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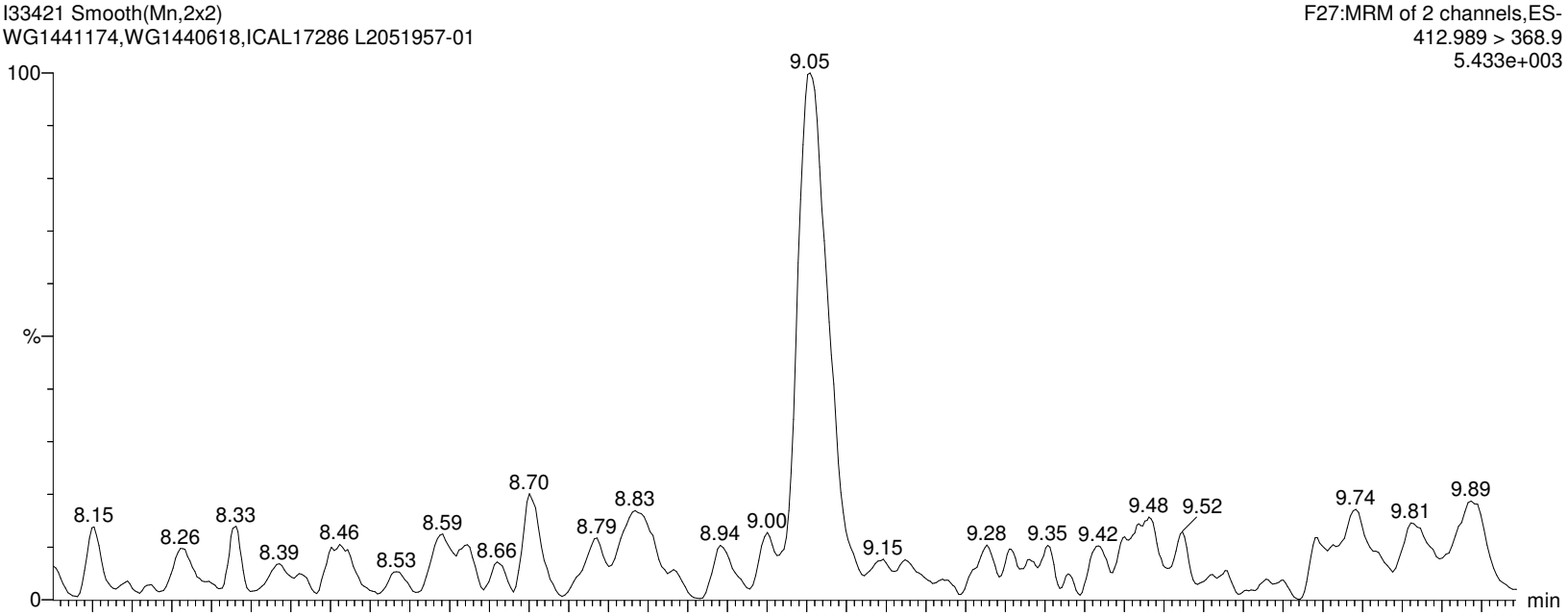

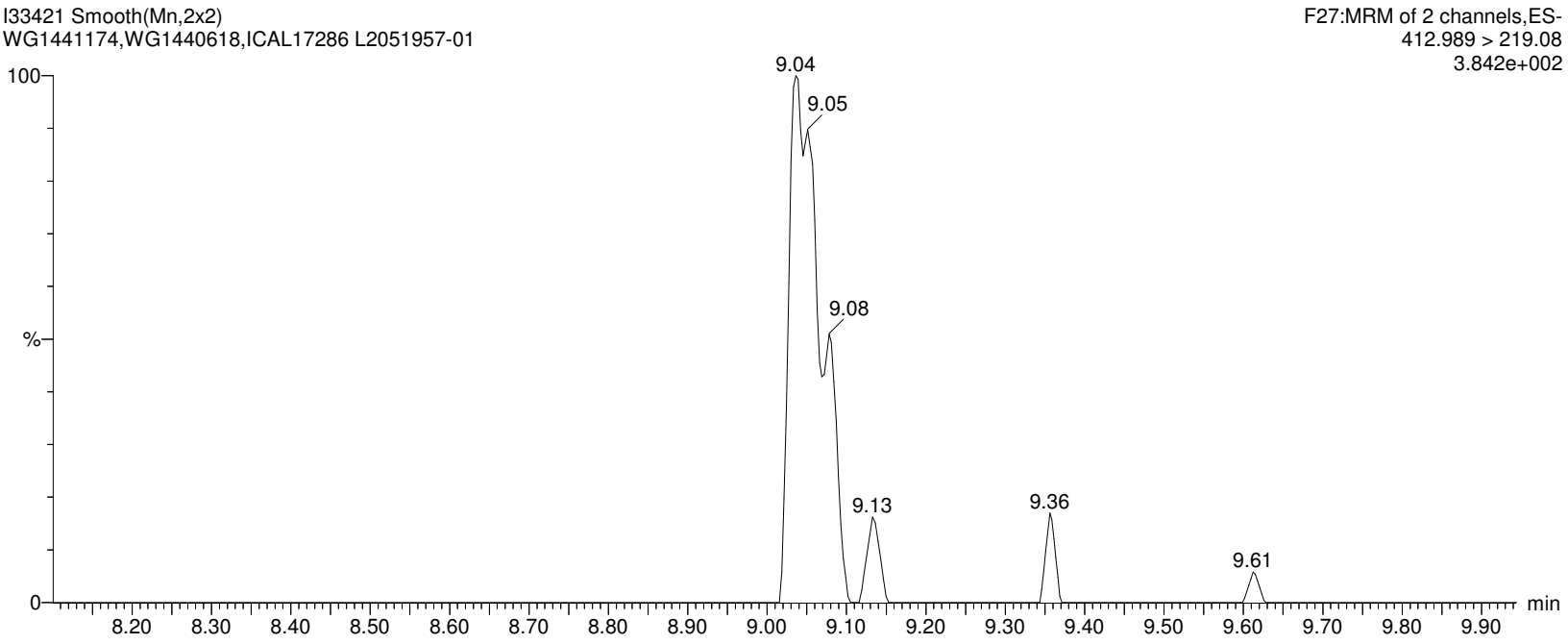

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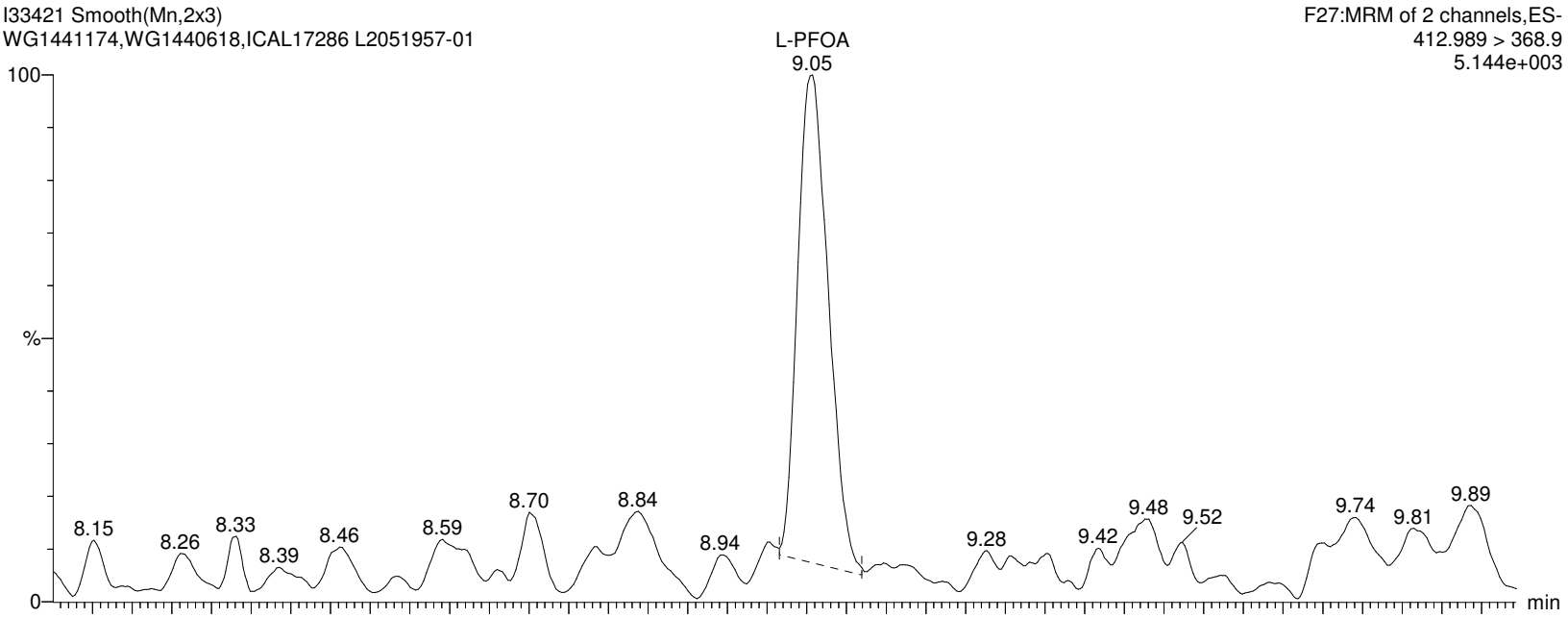

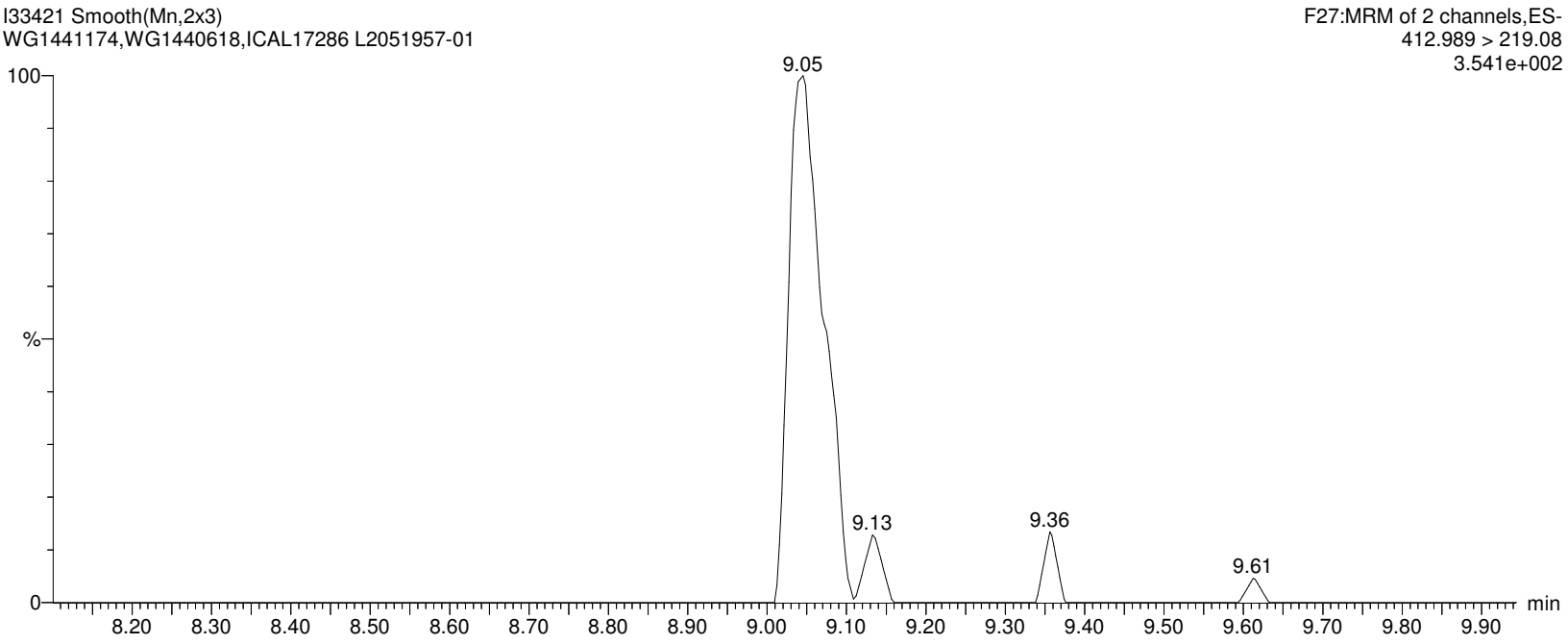

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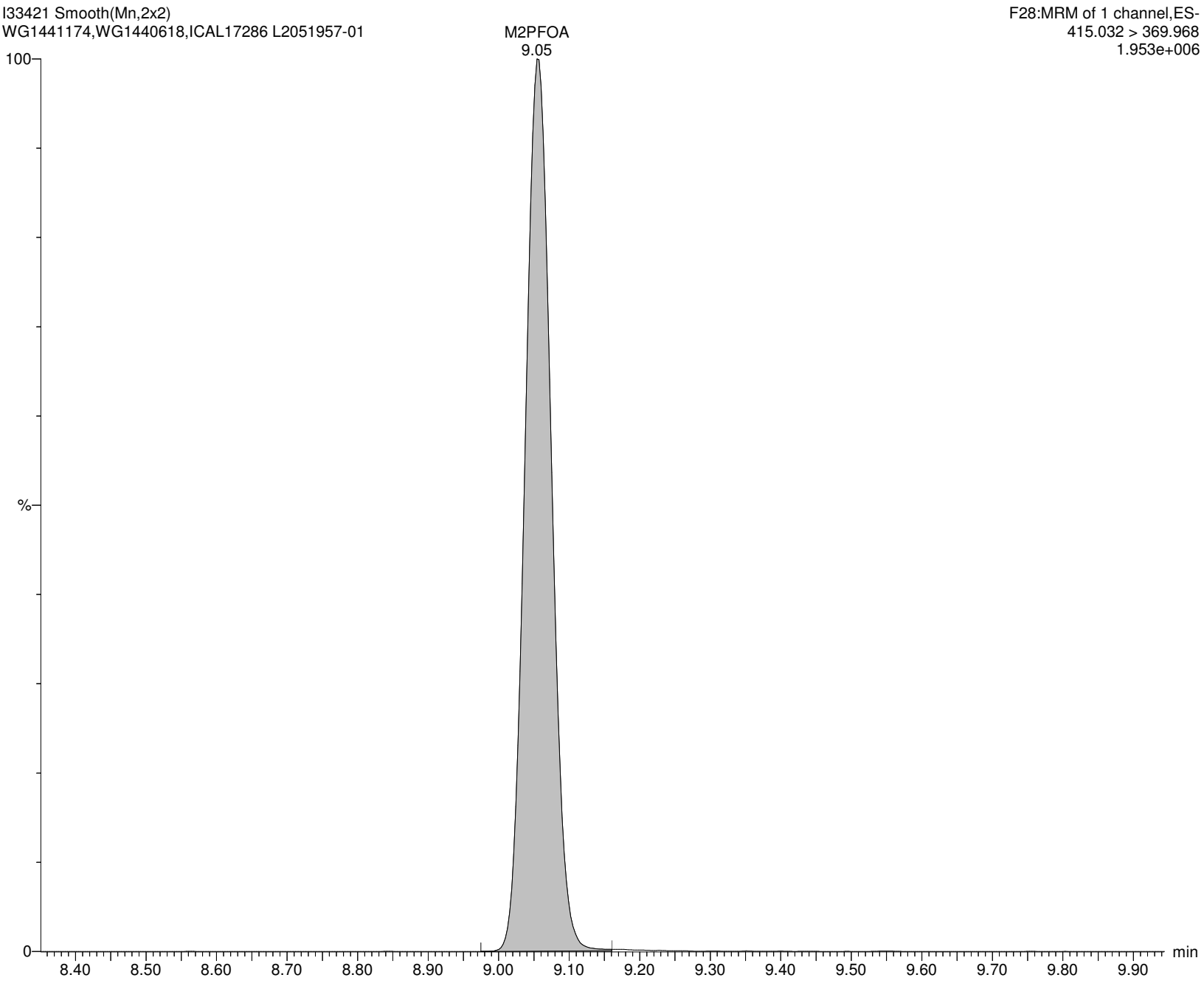

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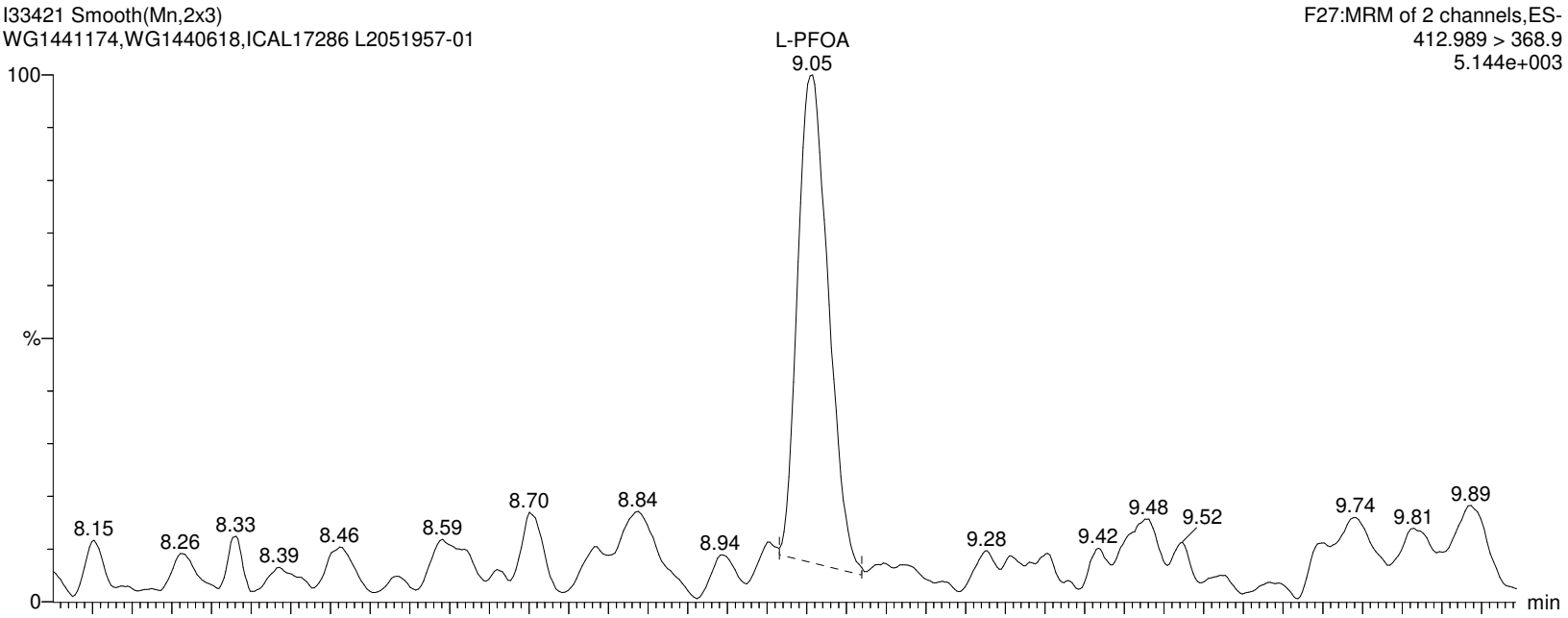

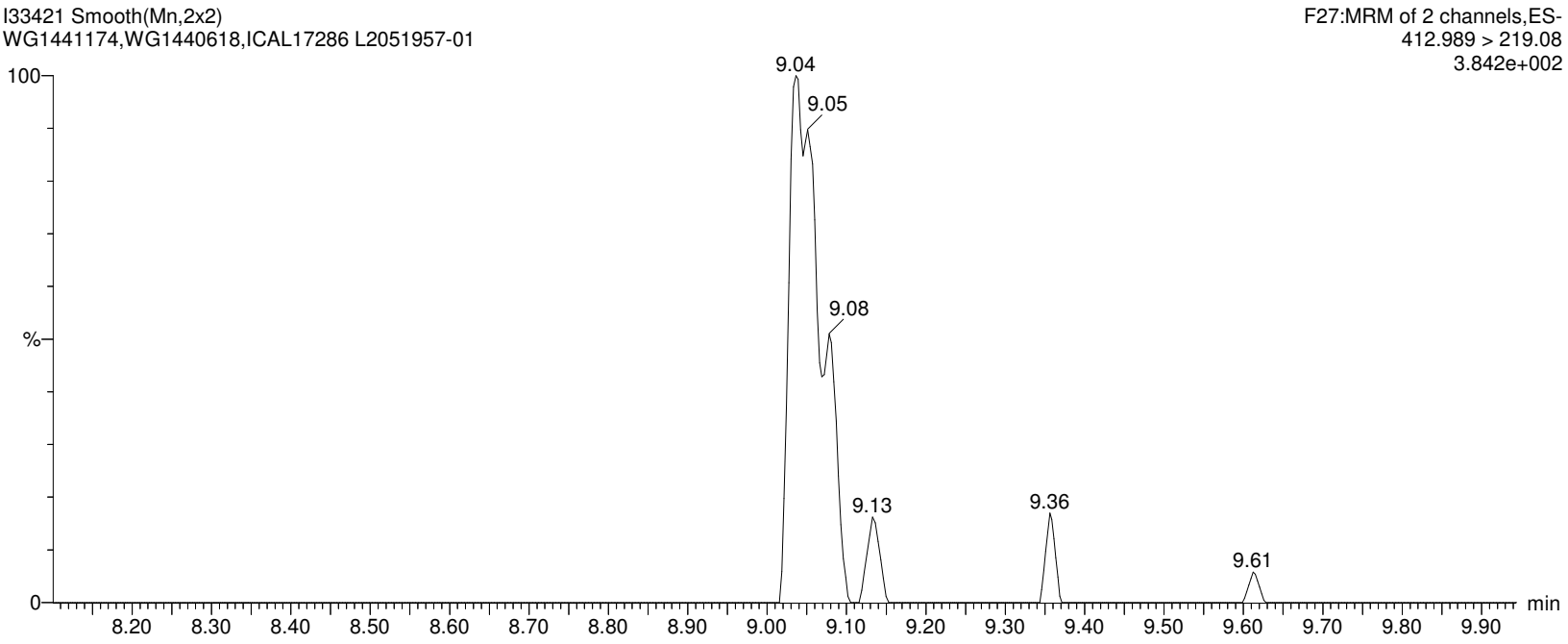

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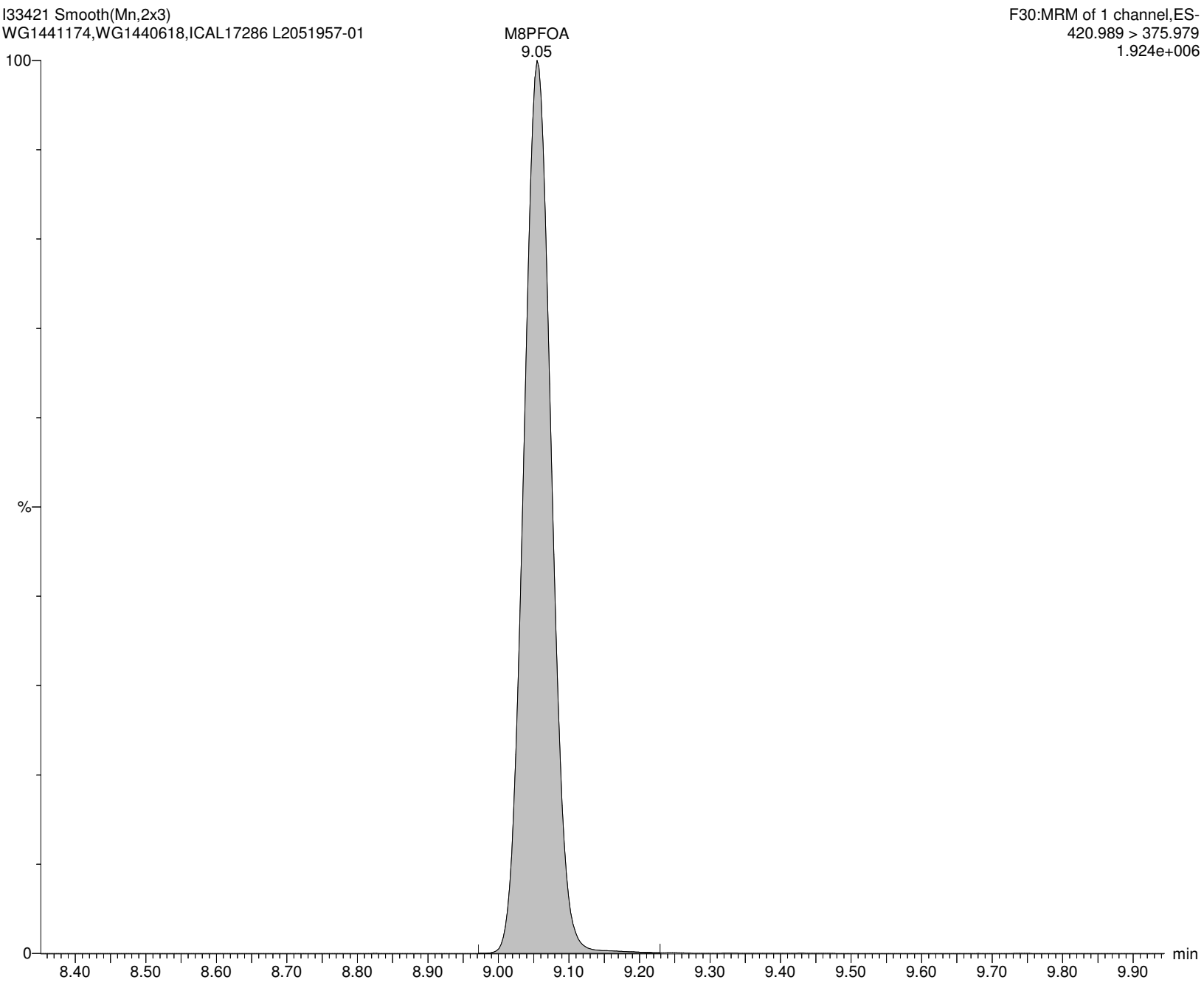

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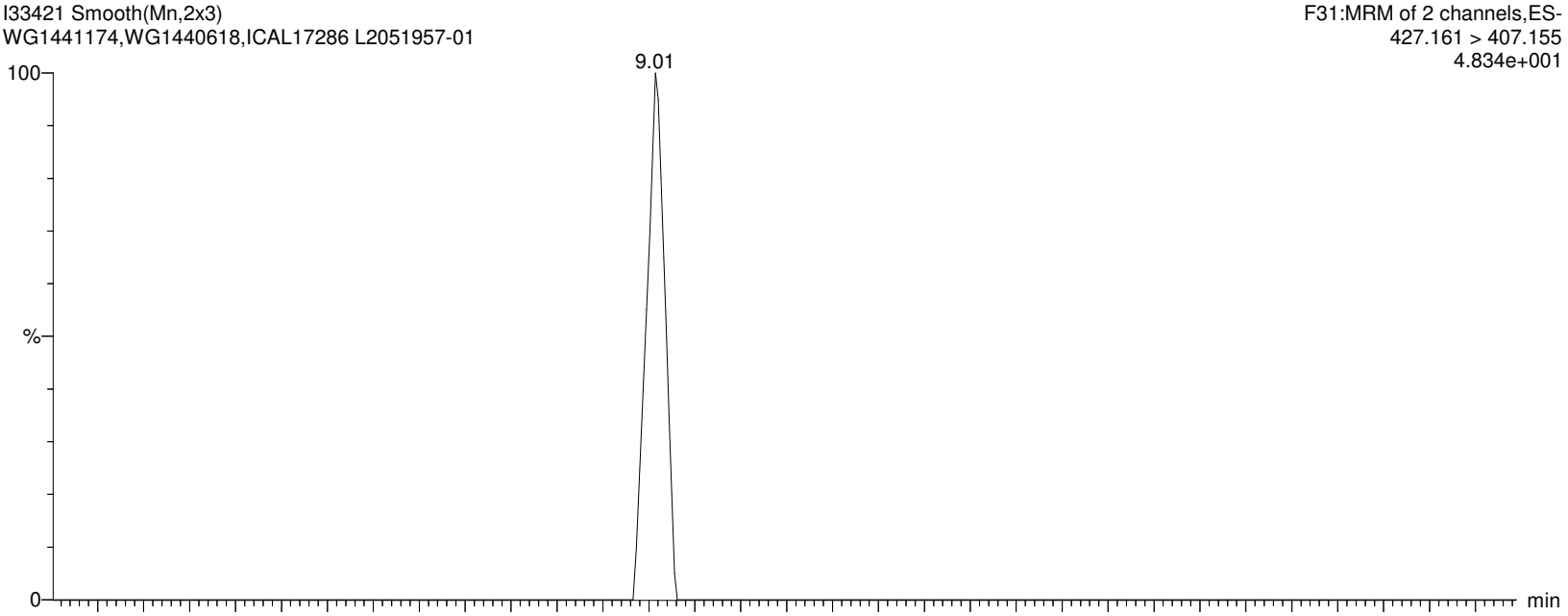

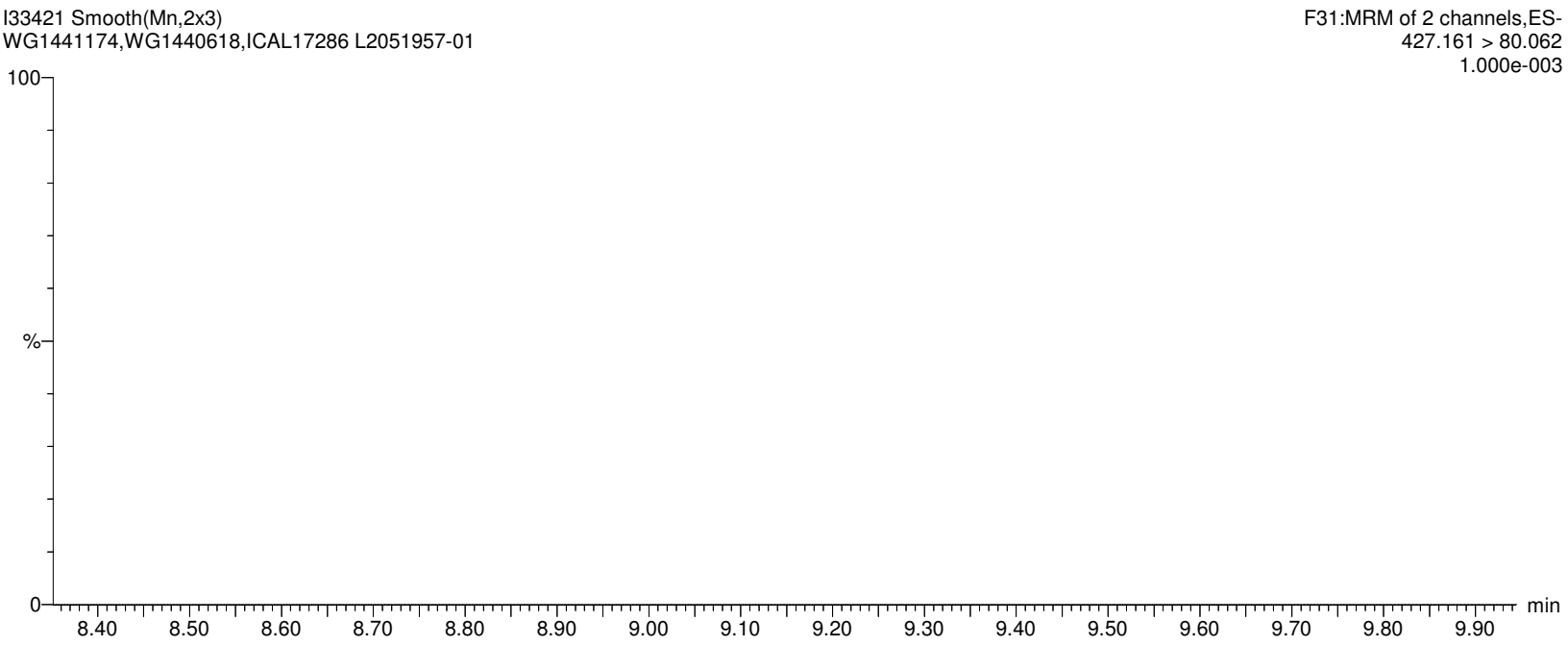

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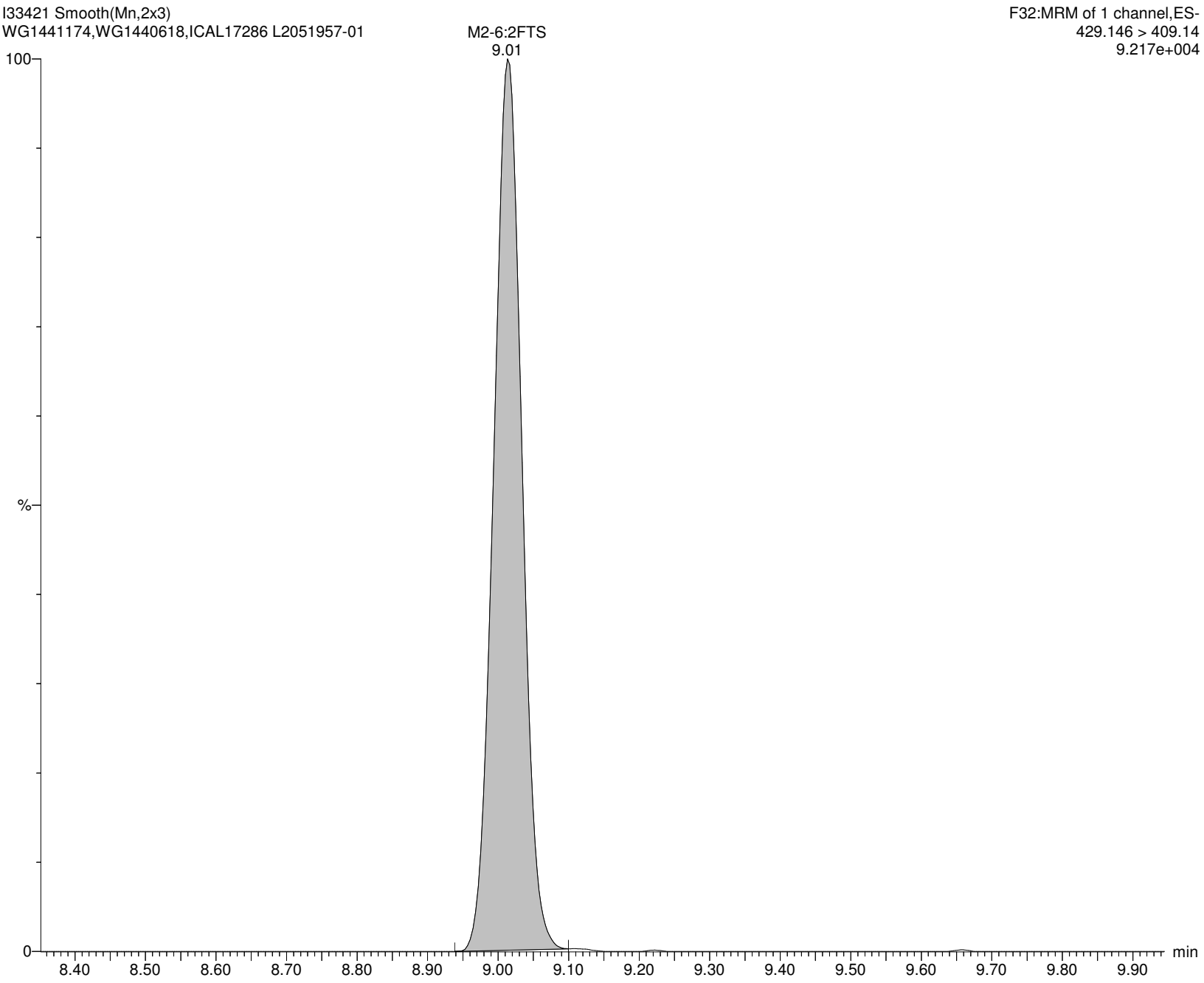

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
Last Altered: Sunday, December 06, 2020 22:56:32 Eastern Standard Time
Printed: Sunday, December 06, 2020 22:59:41 Eastern Standard Time

Name: I33421
ID: L2051957-01
Date: 04-Dec-2020
Time: 17:18:39
Description: WG1441174,WG1440618,ICAL17286
User: LCMS02:JW
Vial: 1:D,3
Instrument: XEVO-TQSmicro#QEB0050
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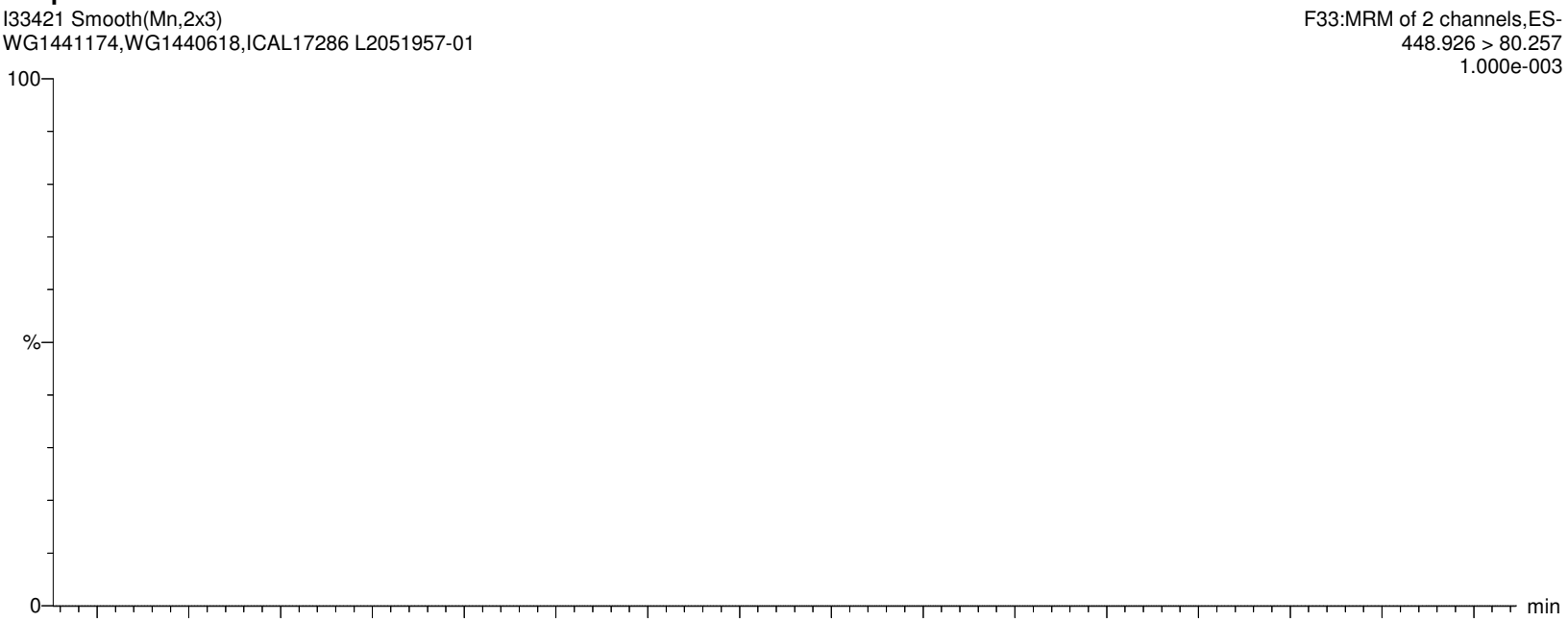

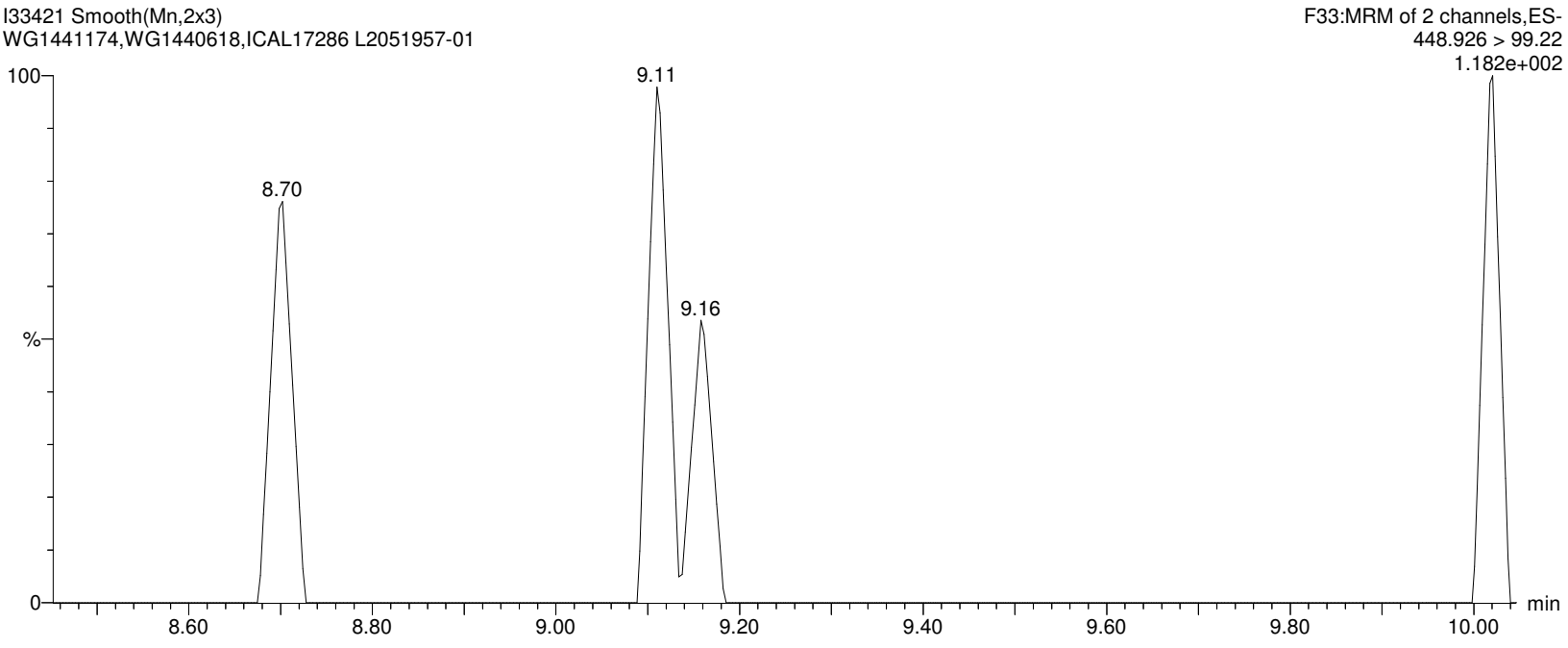

all concentration units in (ng/mL)

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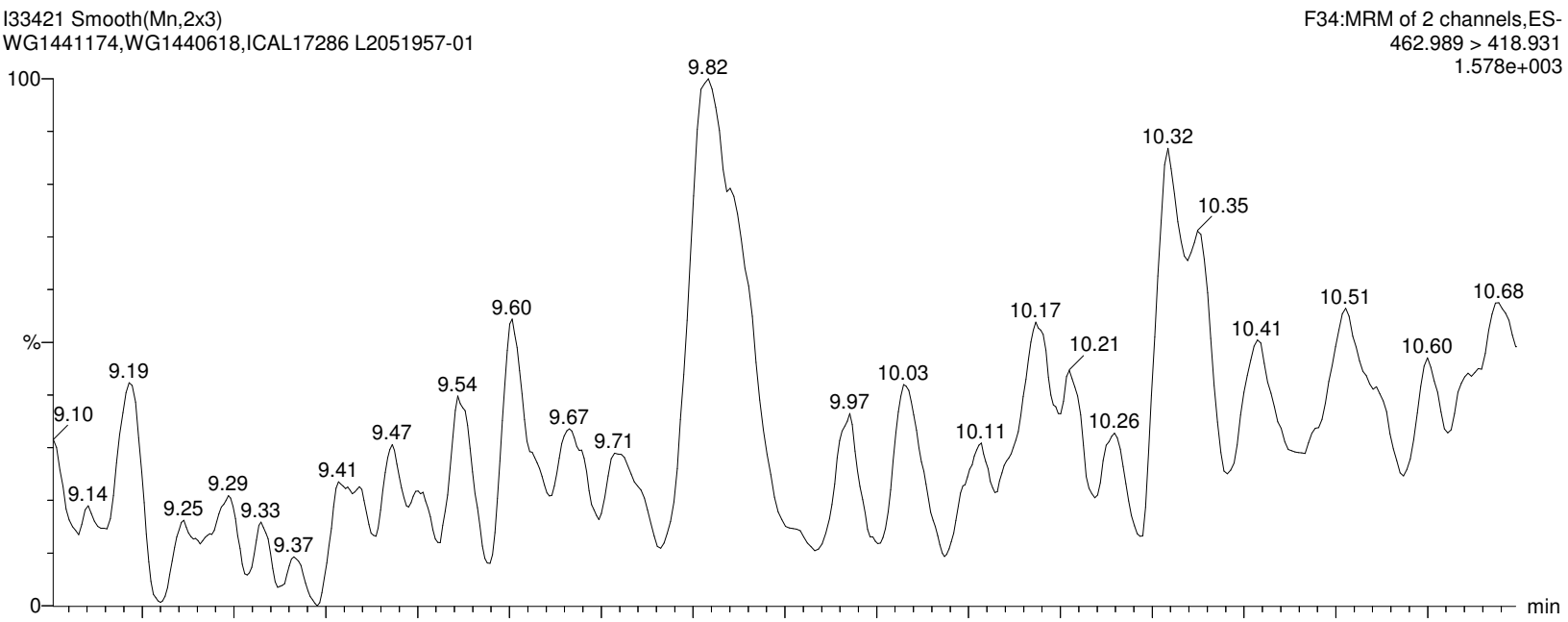

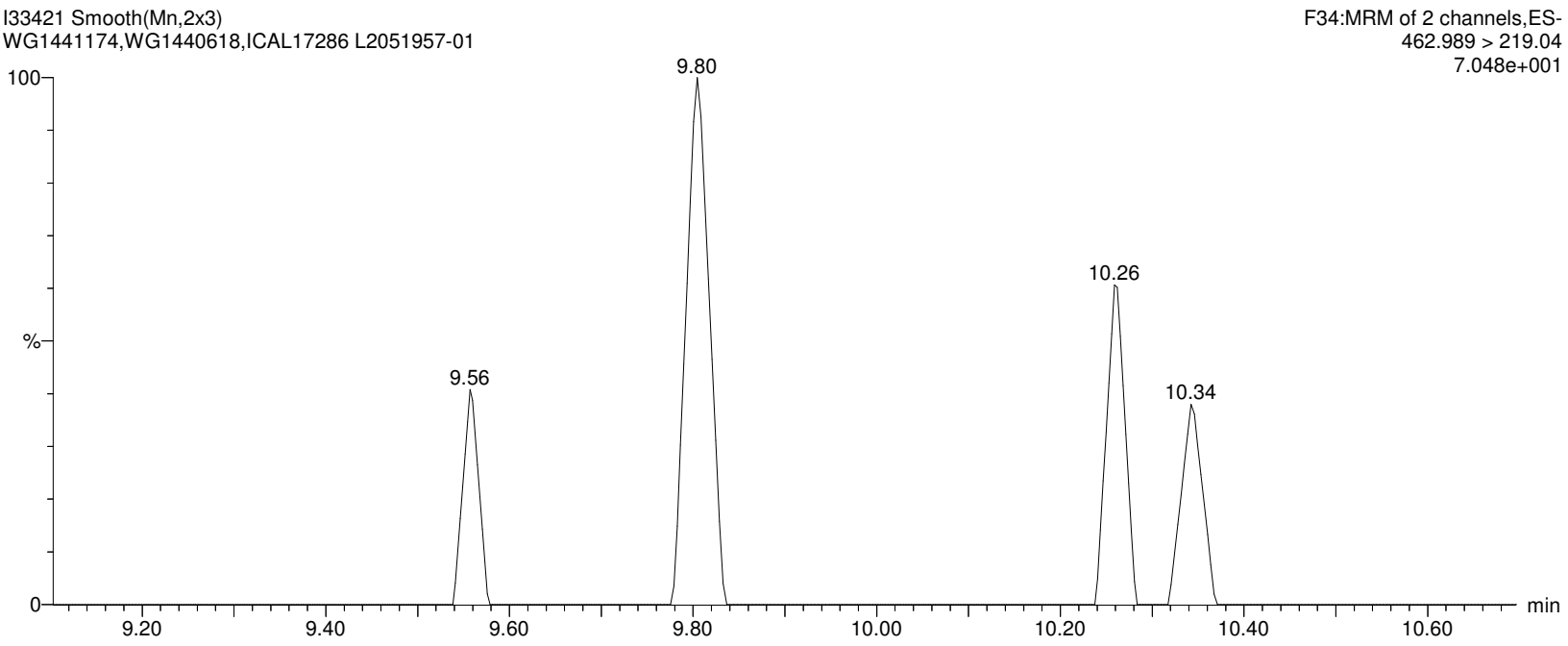

all concentration units in (ng/mL)

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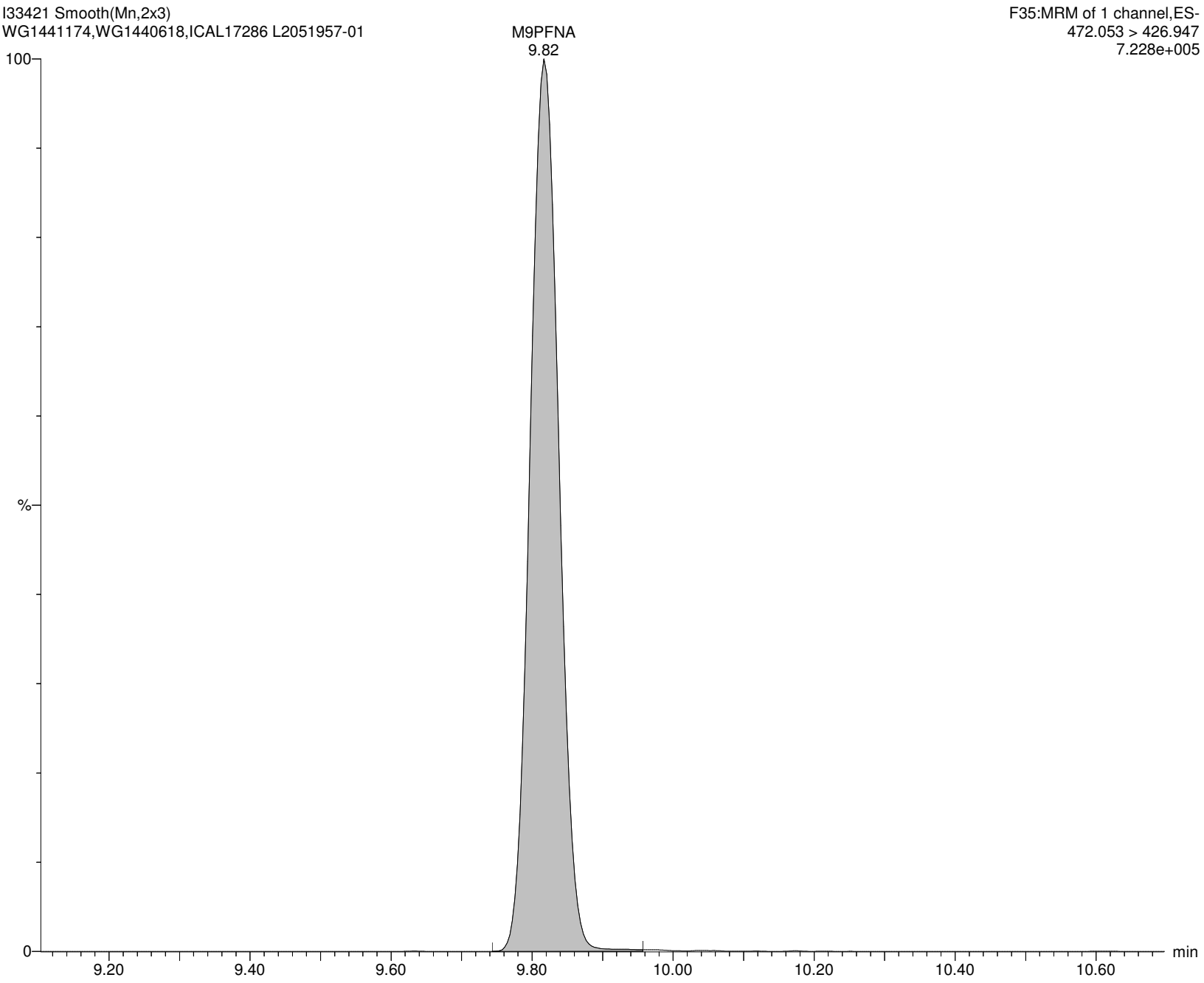

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
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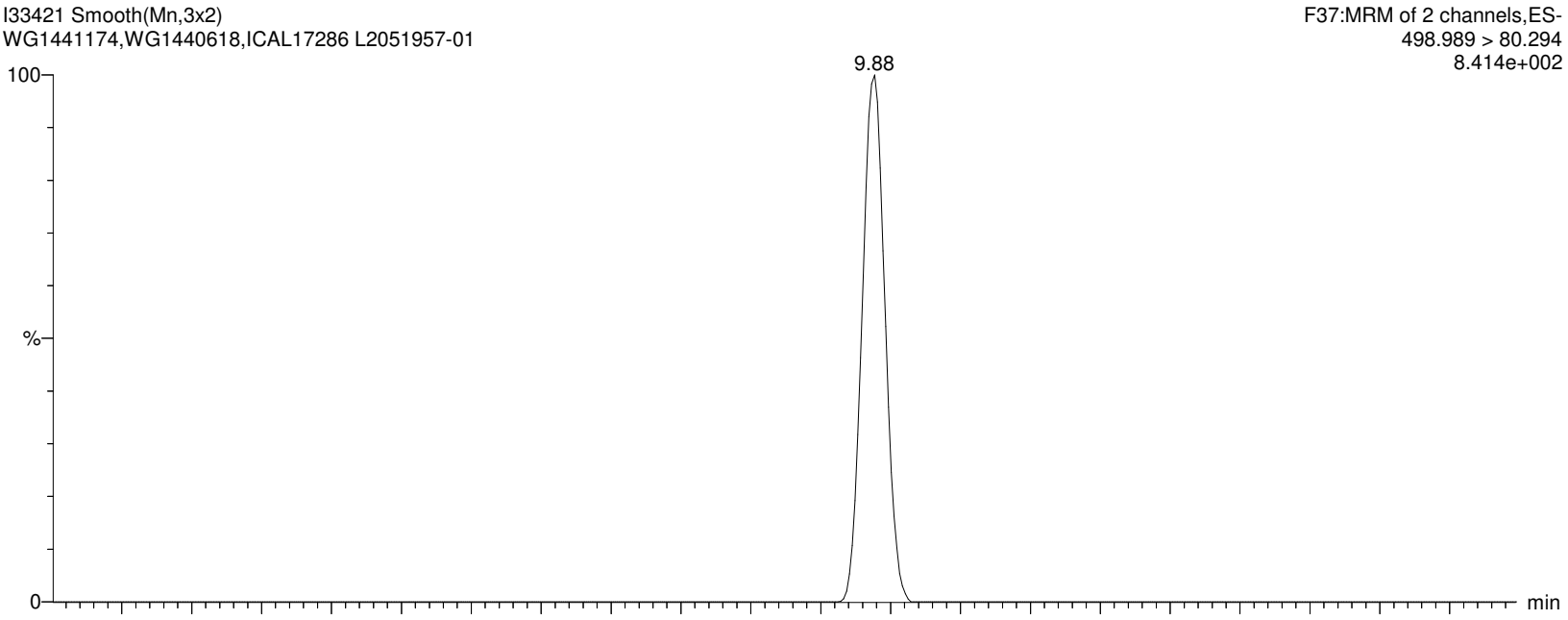

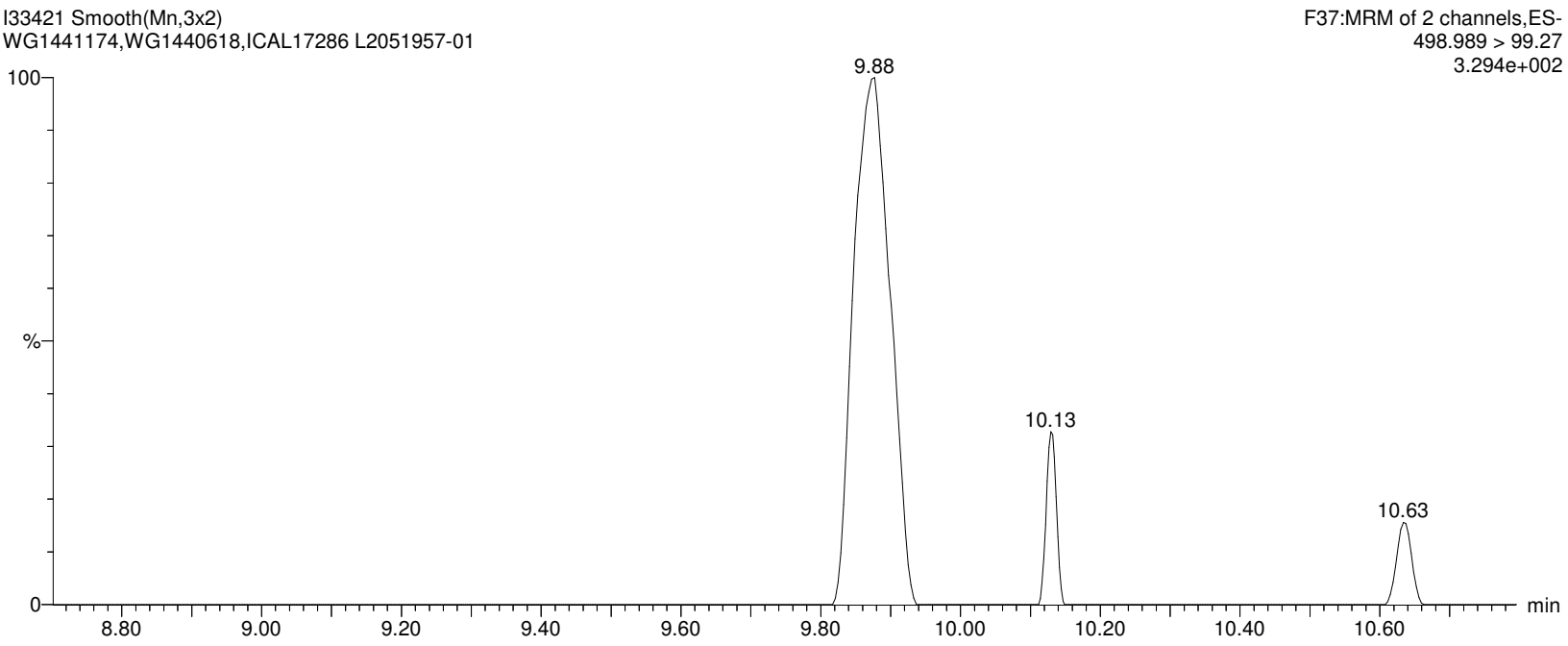

all concentration units in (ng/mL)

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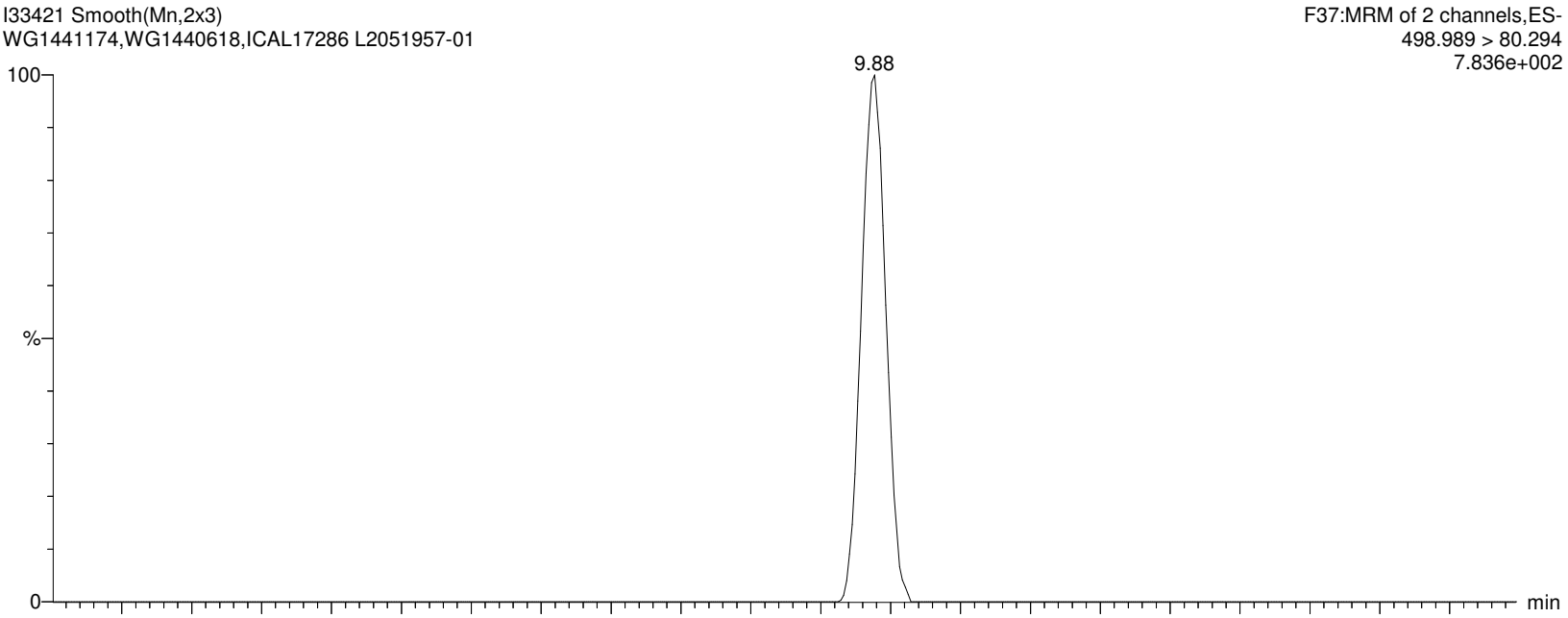
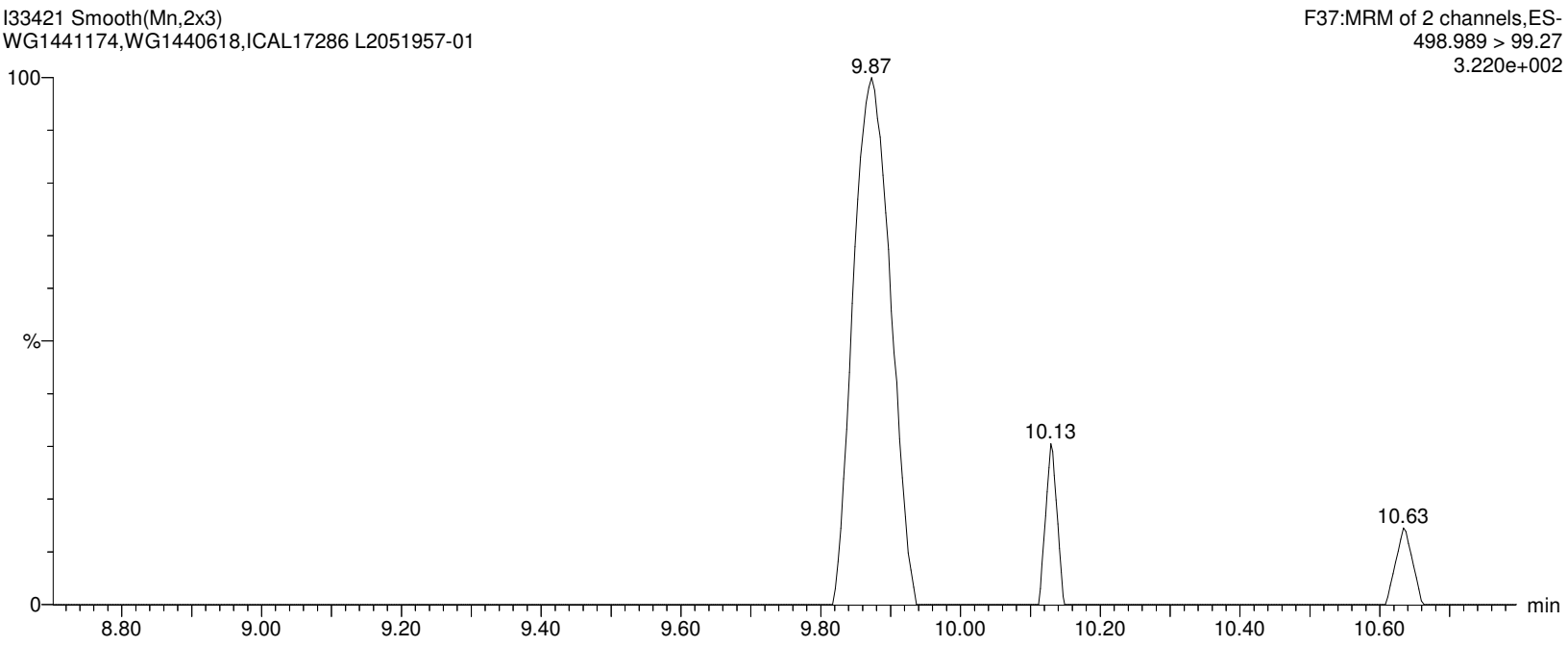
L-PFOS





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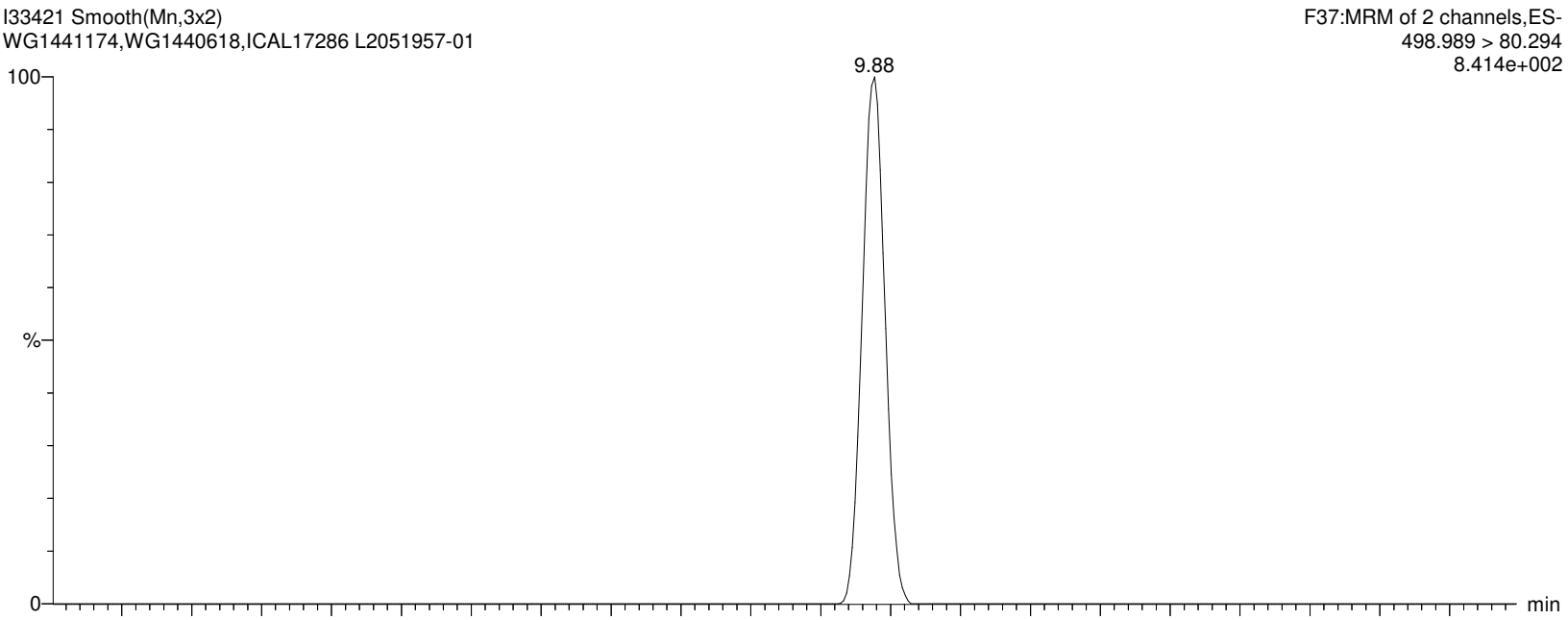

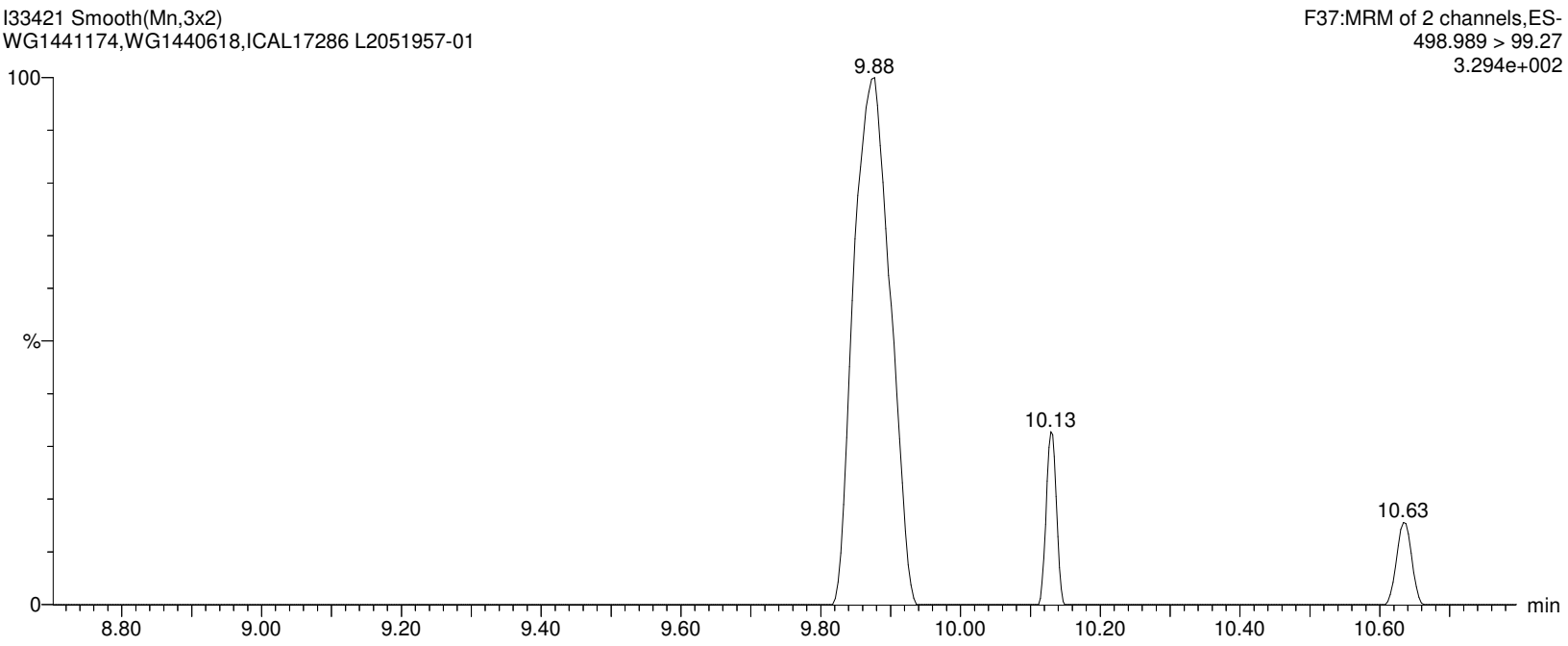

all concentration units in (ng/mL)

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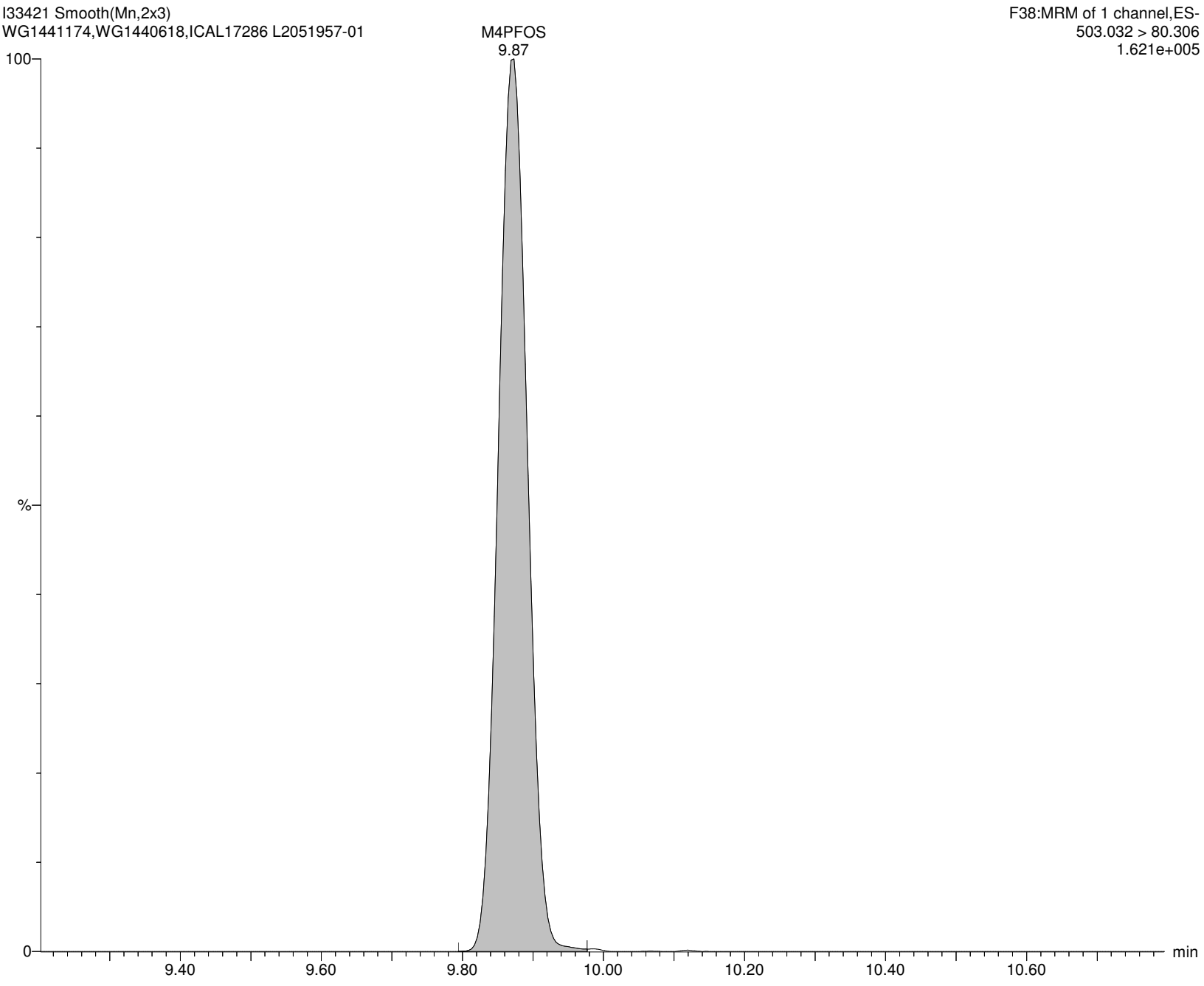

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
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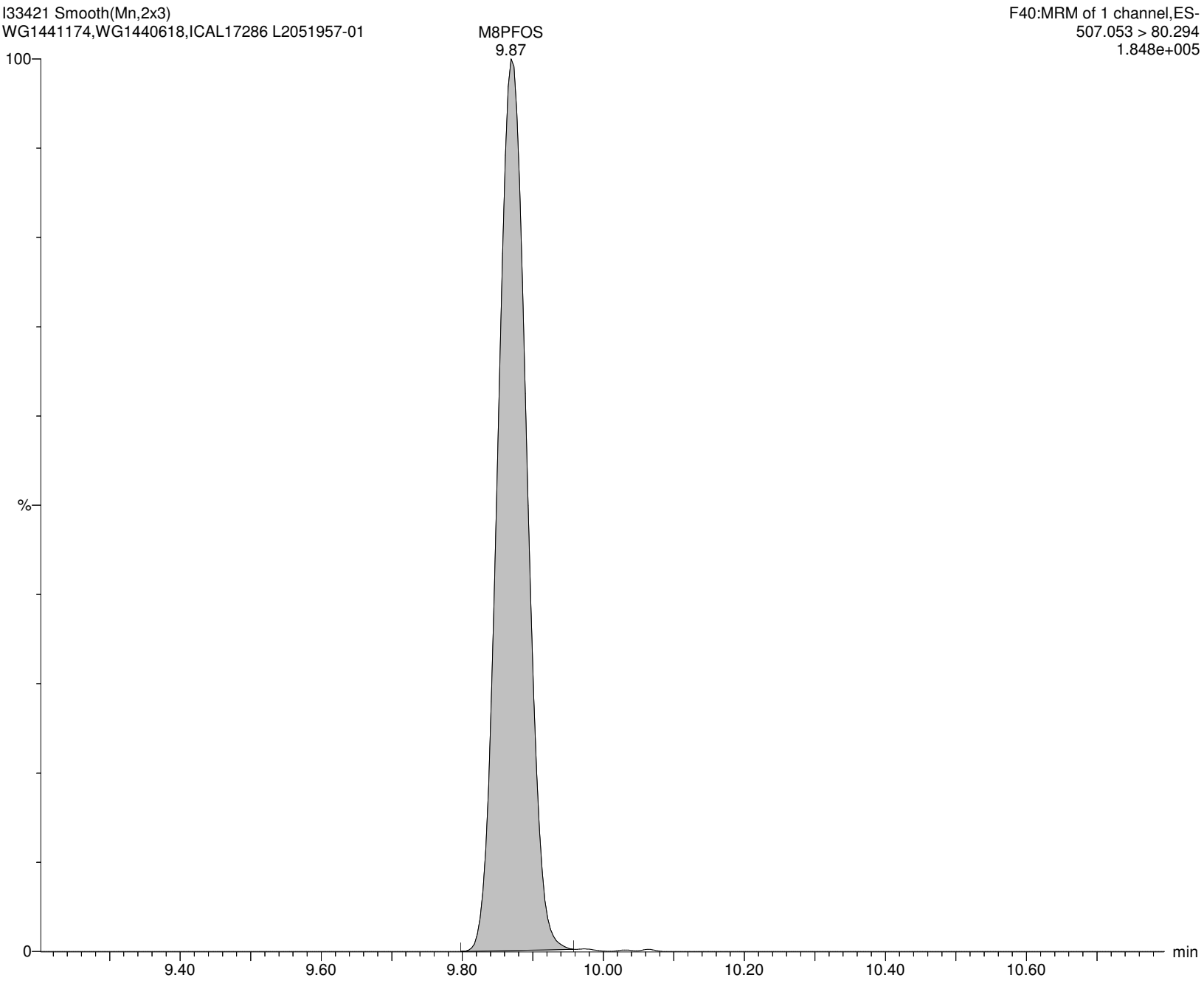

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
Last Altered: Sunday, December 06, 2020 22:56:32 Eastern Standard Time
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Description: WG1441174,WG1440618,ICAL17286
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Vial: 1:D,3
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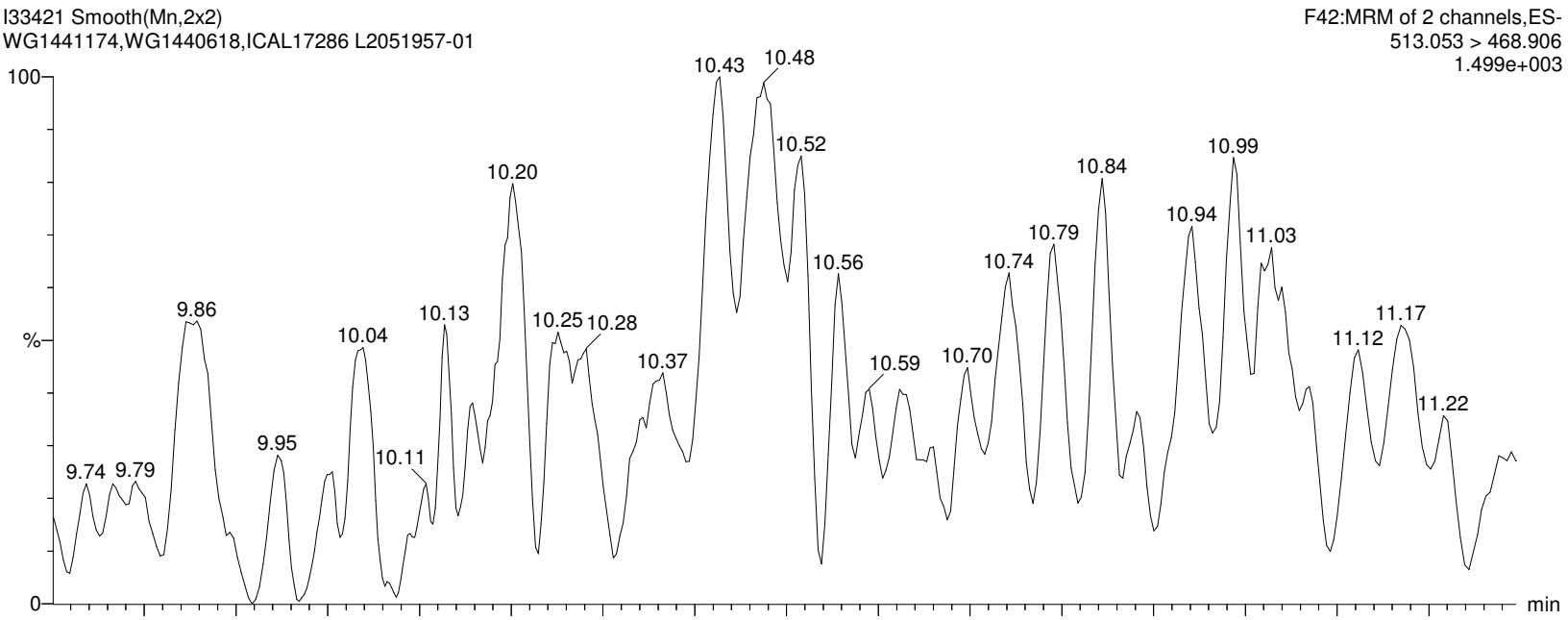

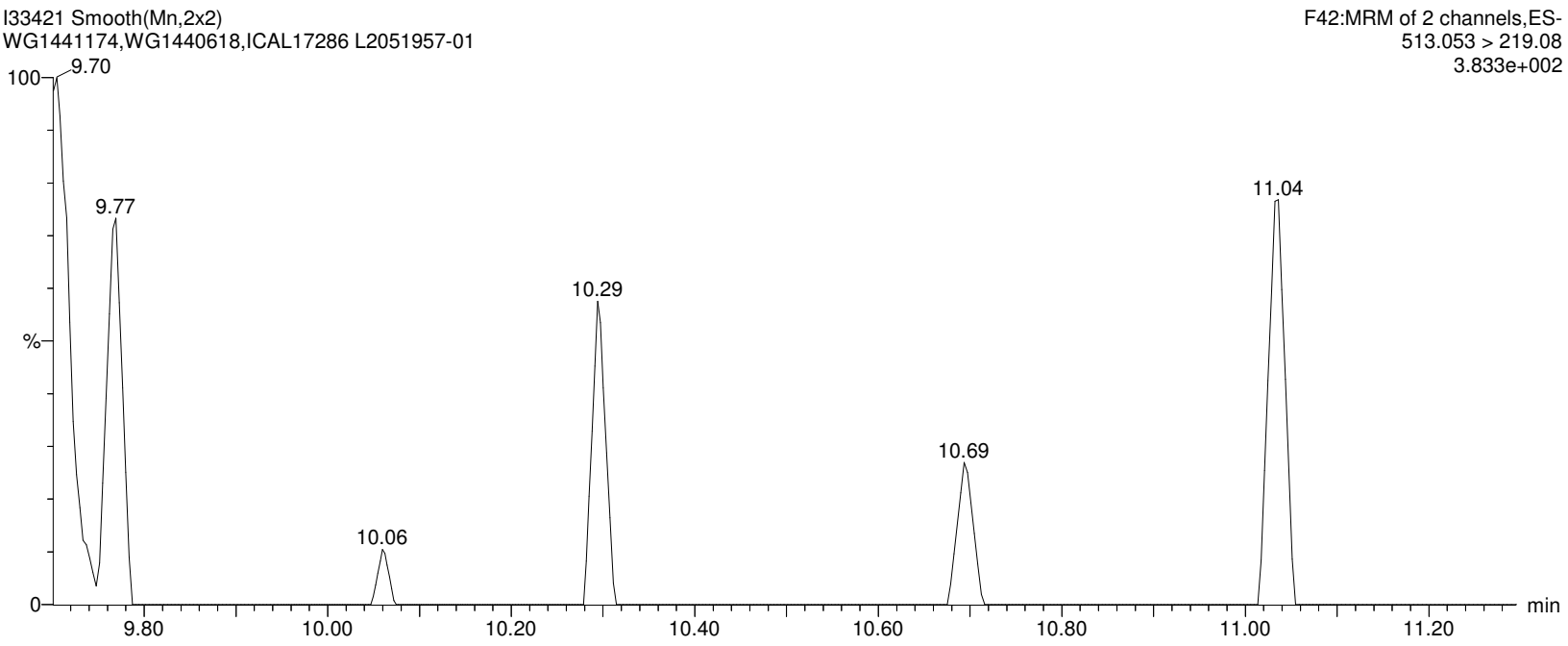

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
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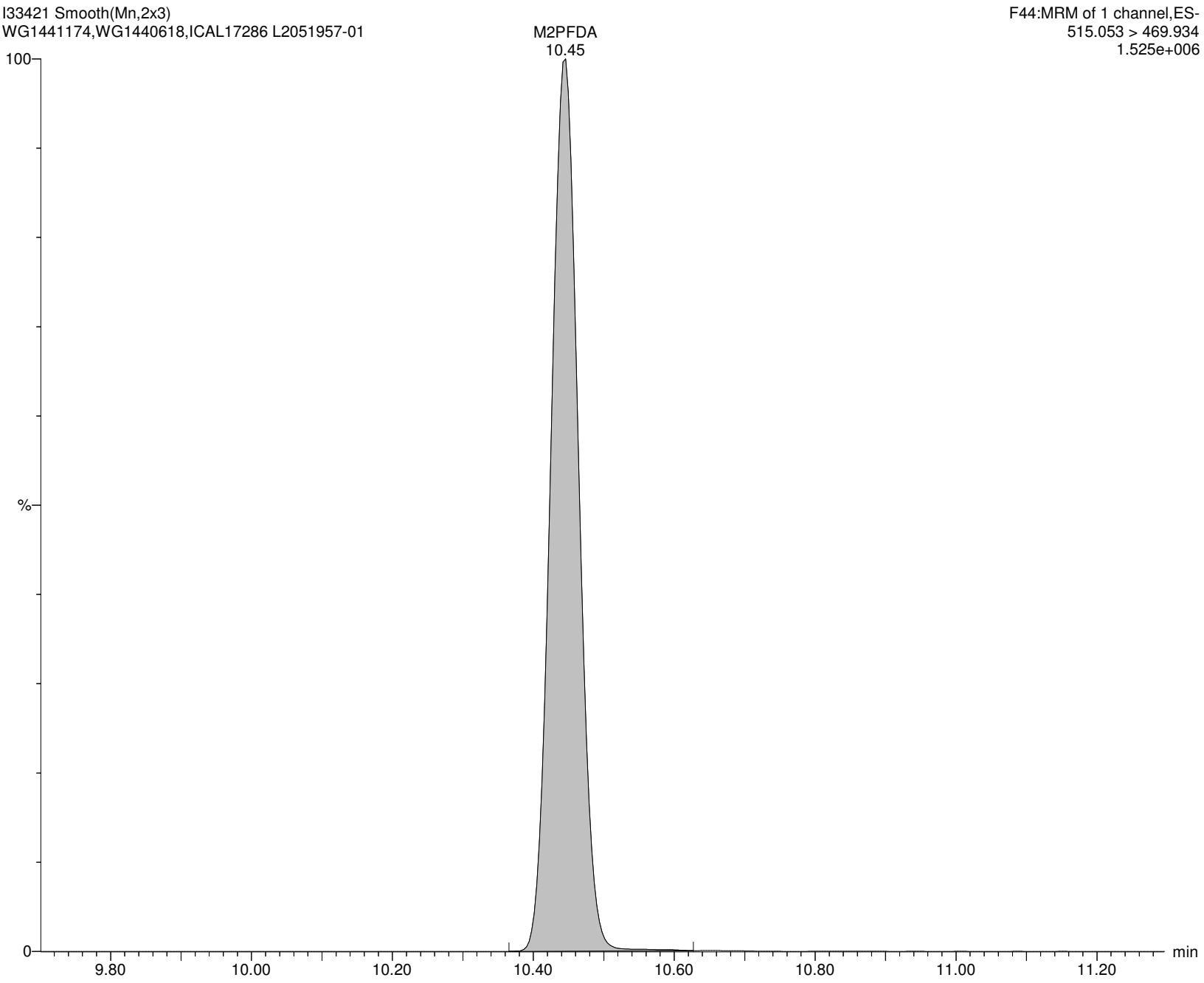

all concentration units in (ng/mL)

Alpha Analytical Inc.
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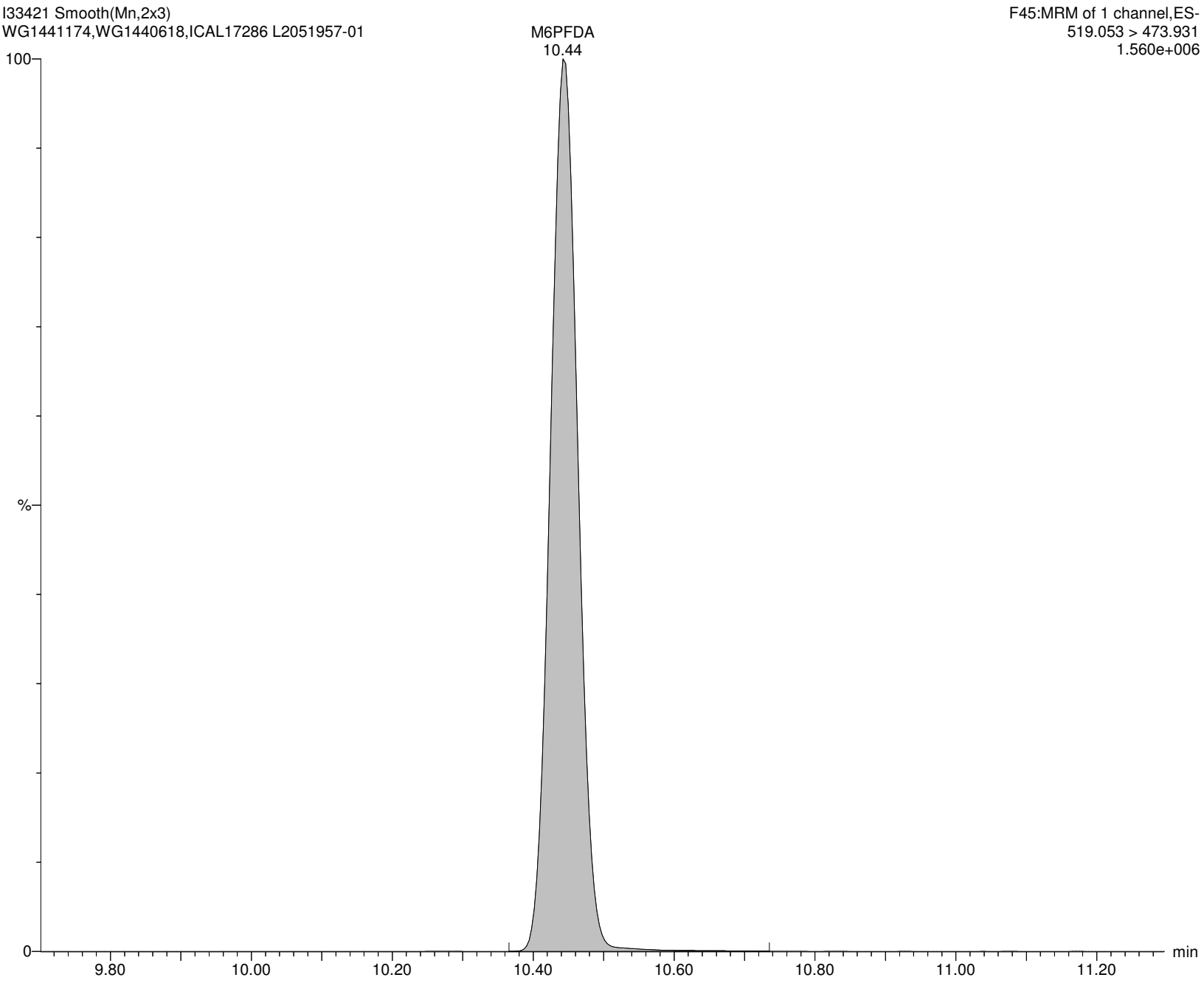

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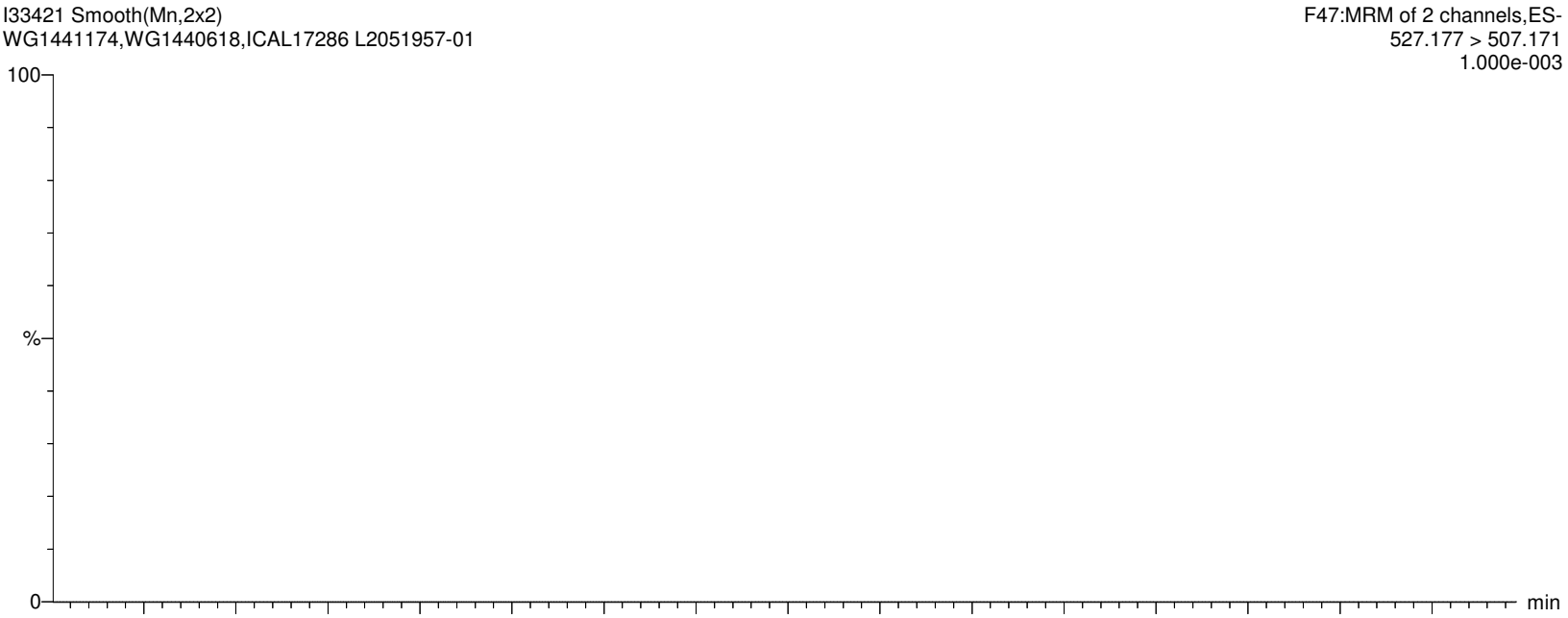

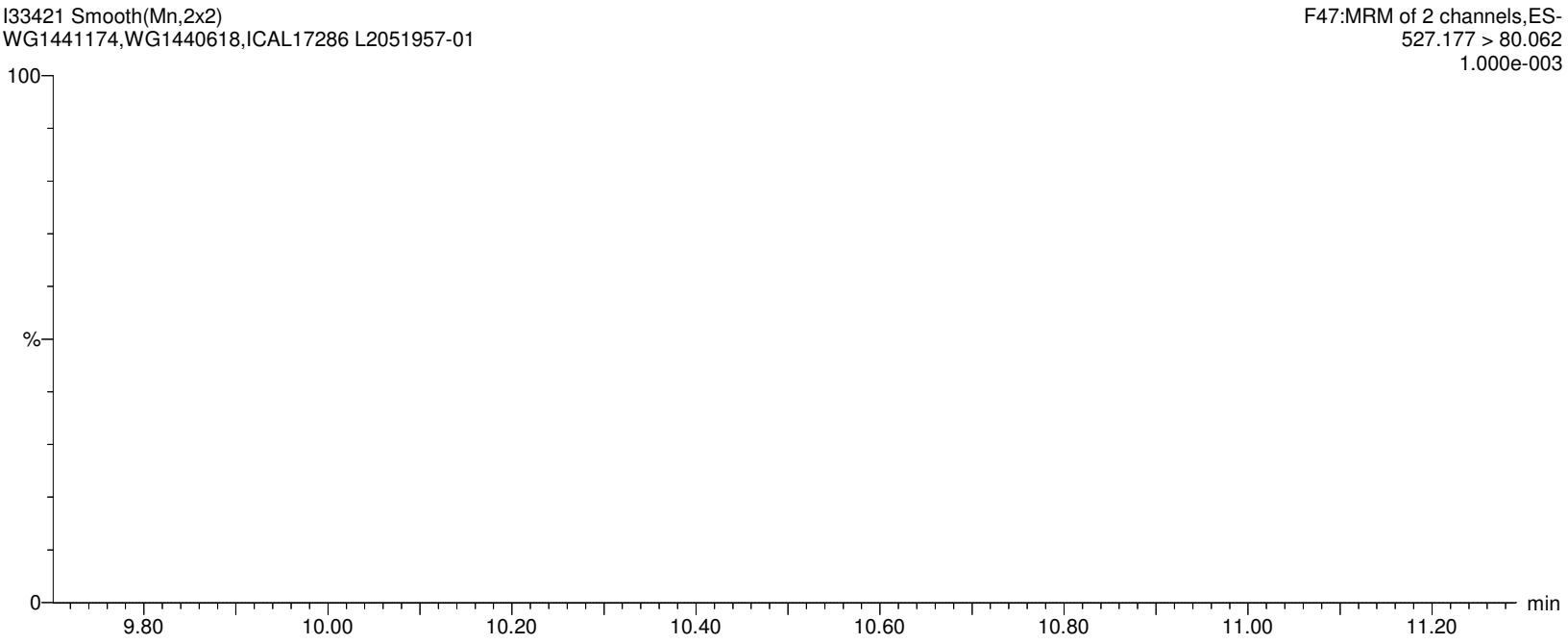

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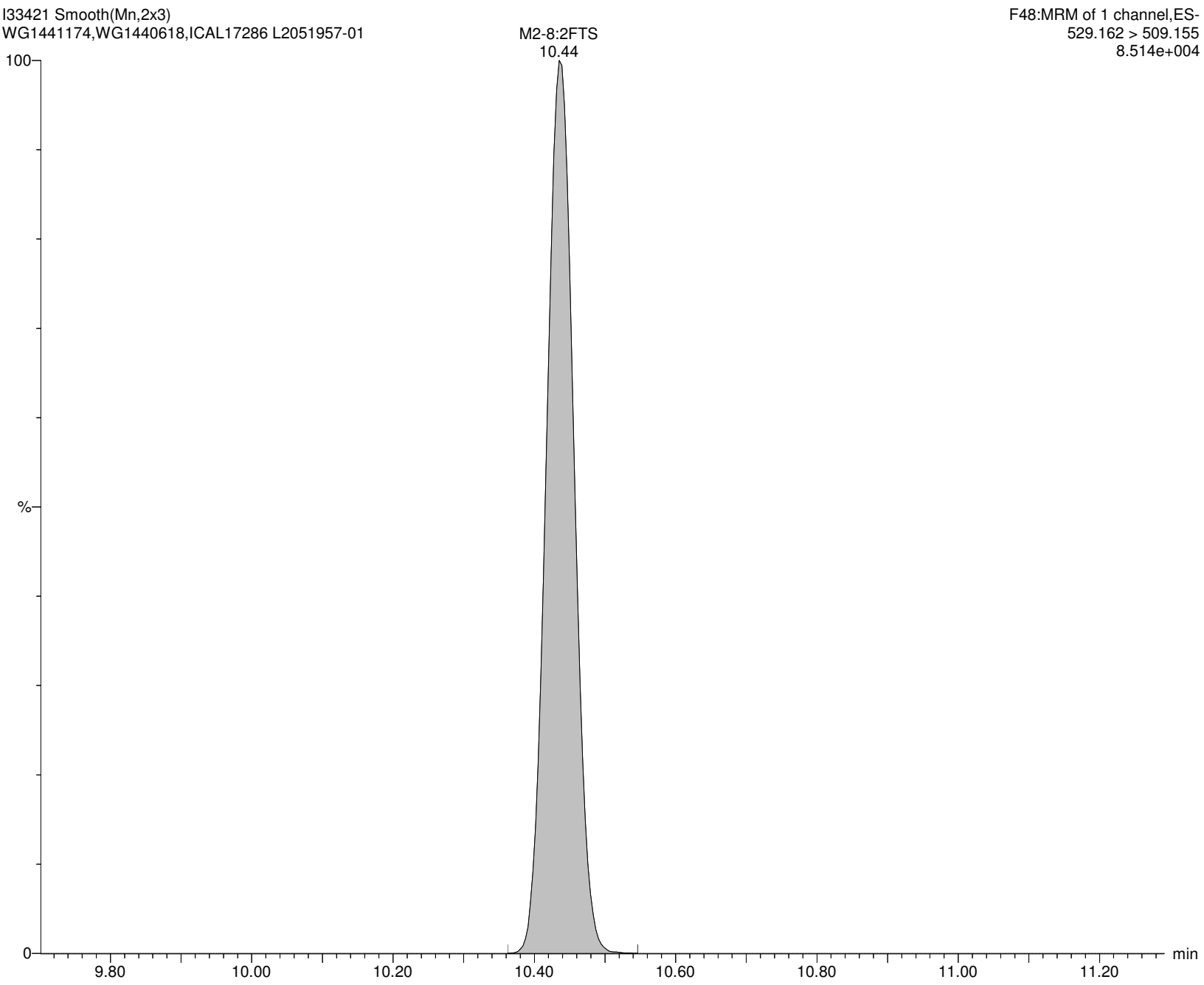

all concentration units in (ng/mL)

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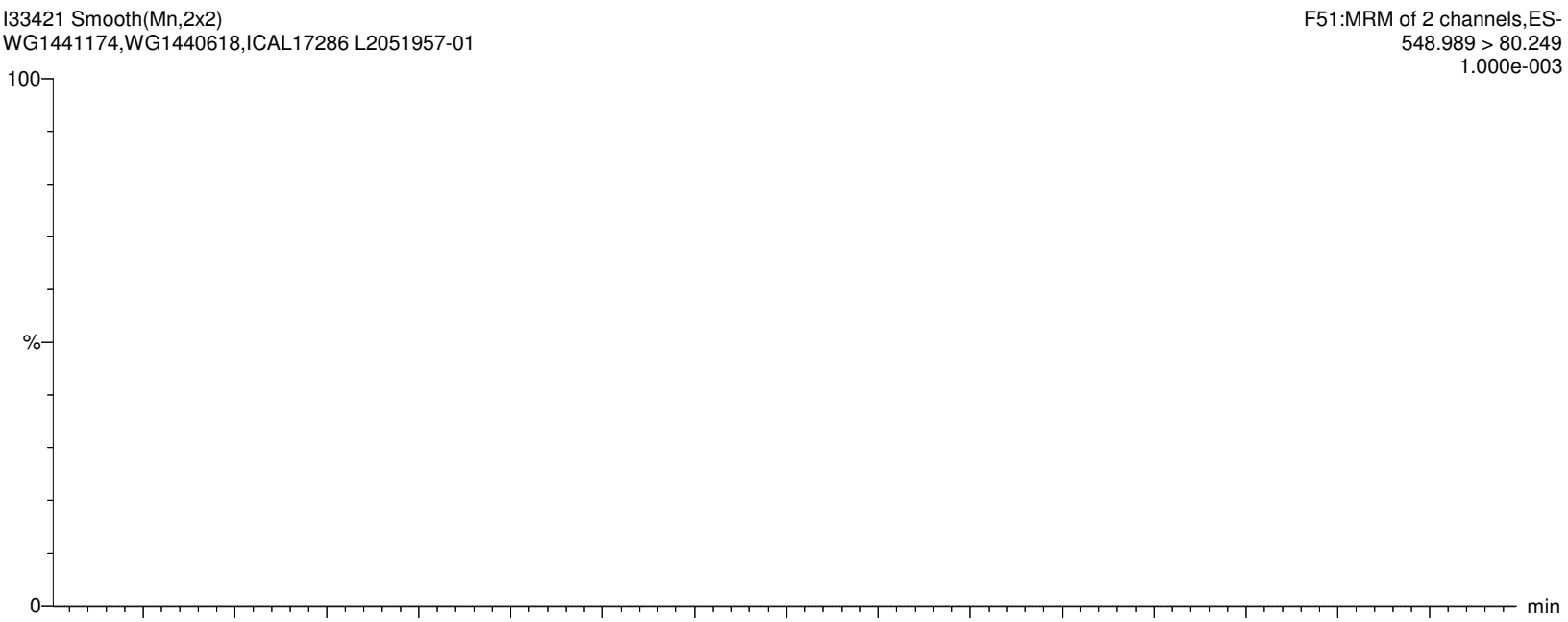
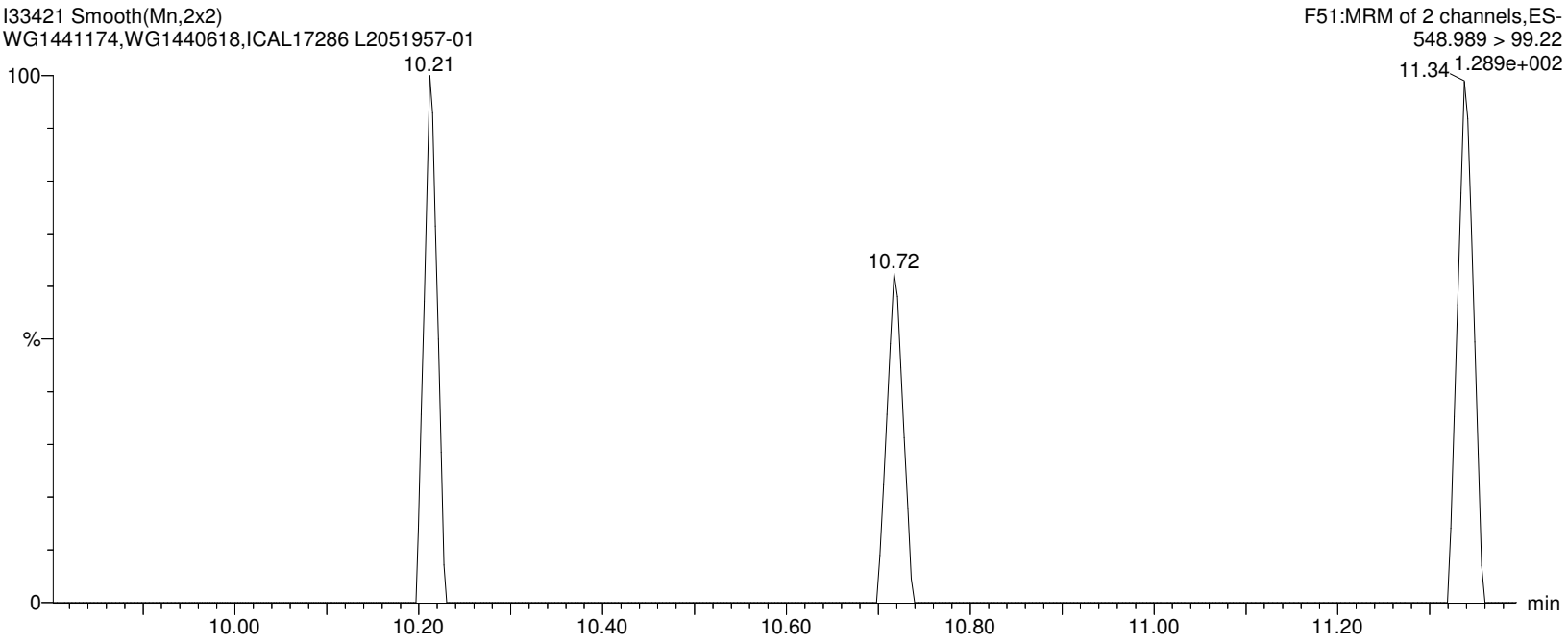
PFNS





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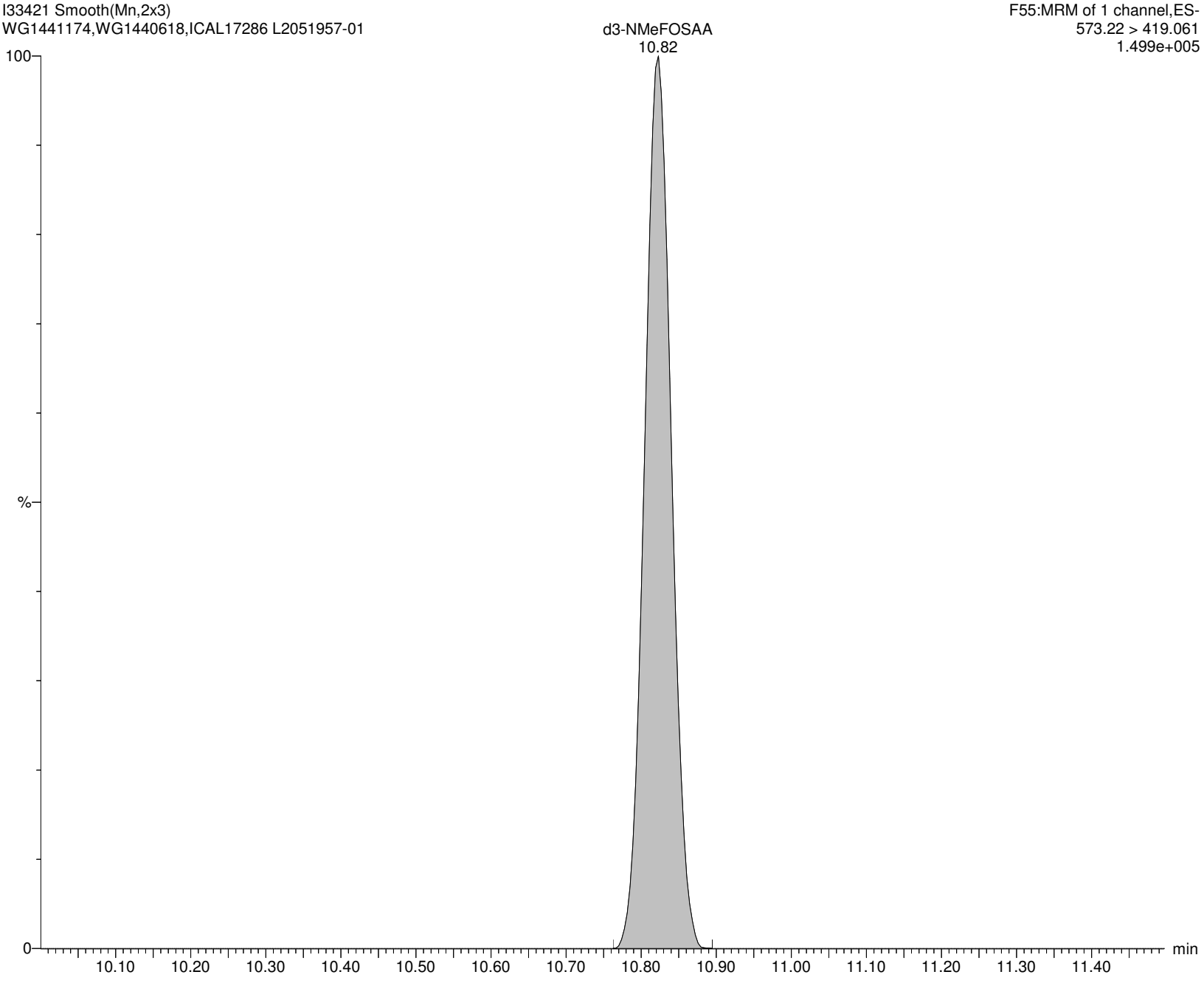

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Name: I33421
ID: L2051957-01
Date: 04-Dec-2020
Time: 17:18:39
Description: WG1441174,WG1440618,ICAL17286
User: LCMS02:JW
Vial: 1:D,3
Instrument: XEVO-TQSmicro#QEB0050
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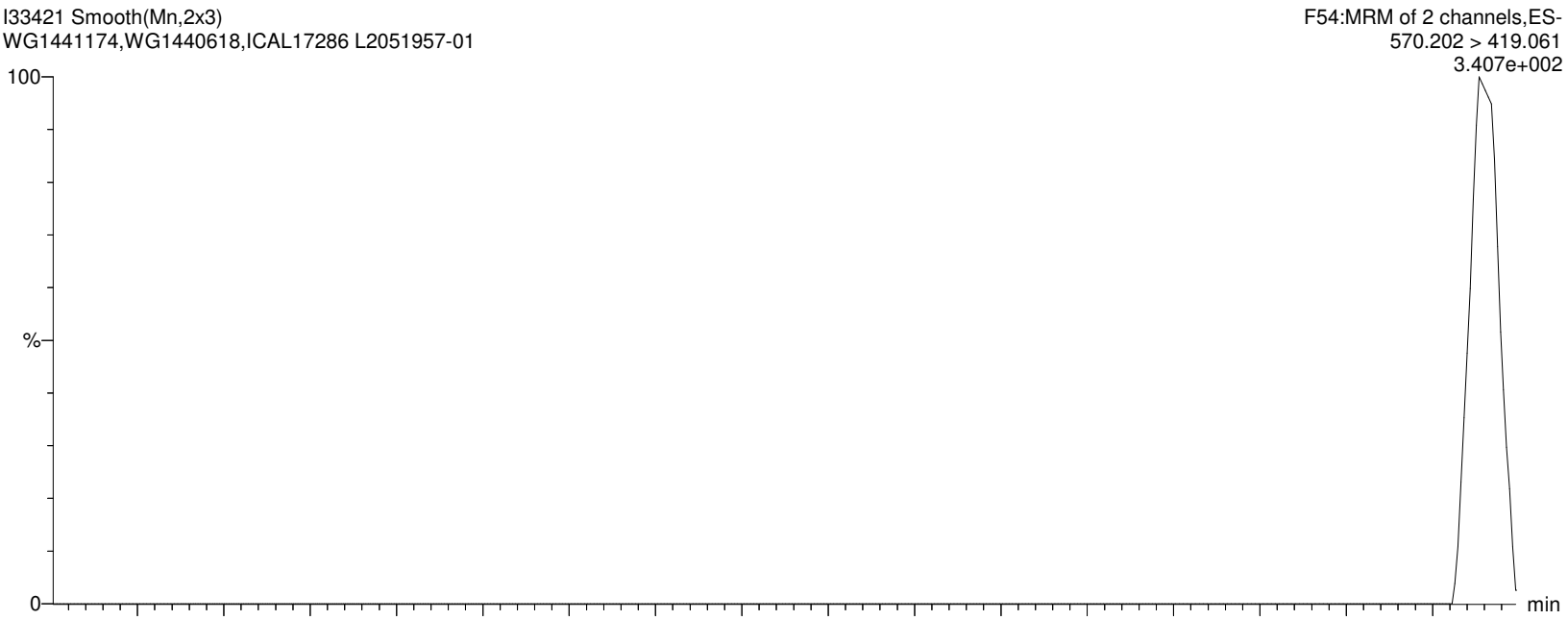

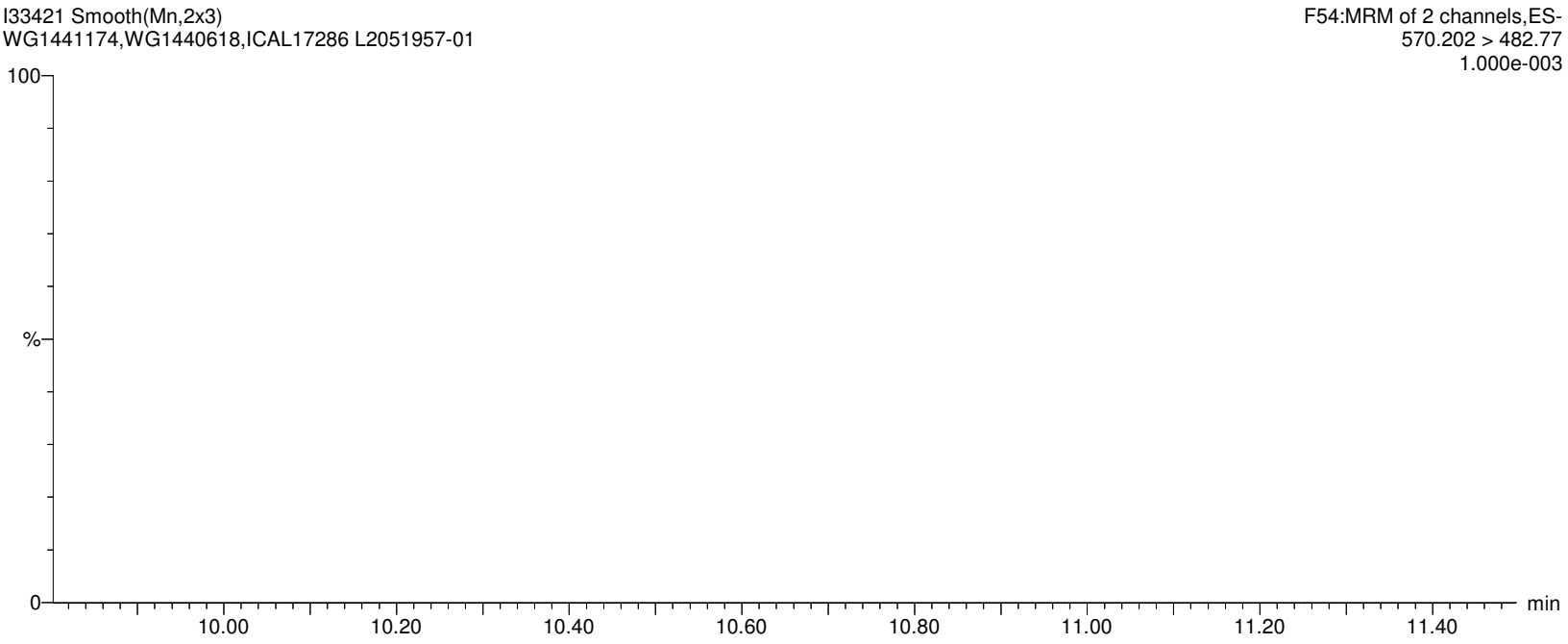

all concentration units in (ng/mL)

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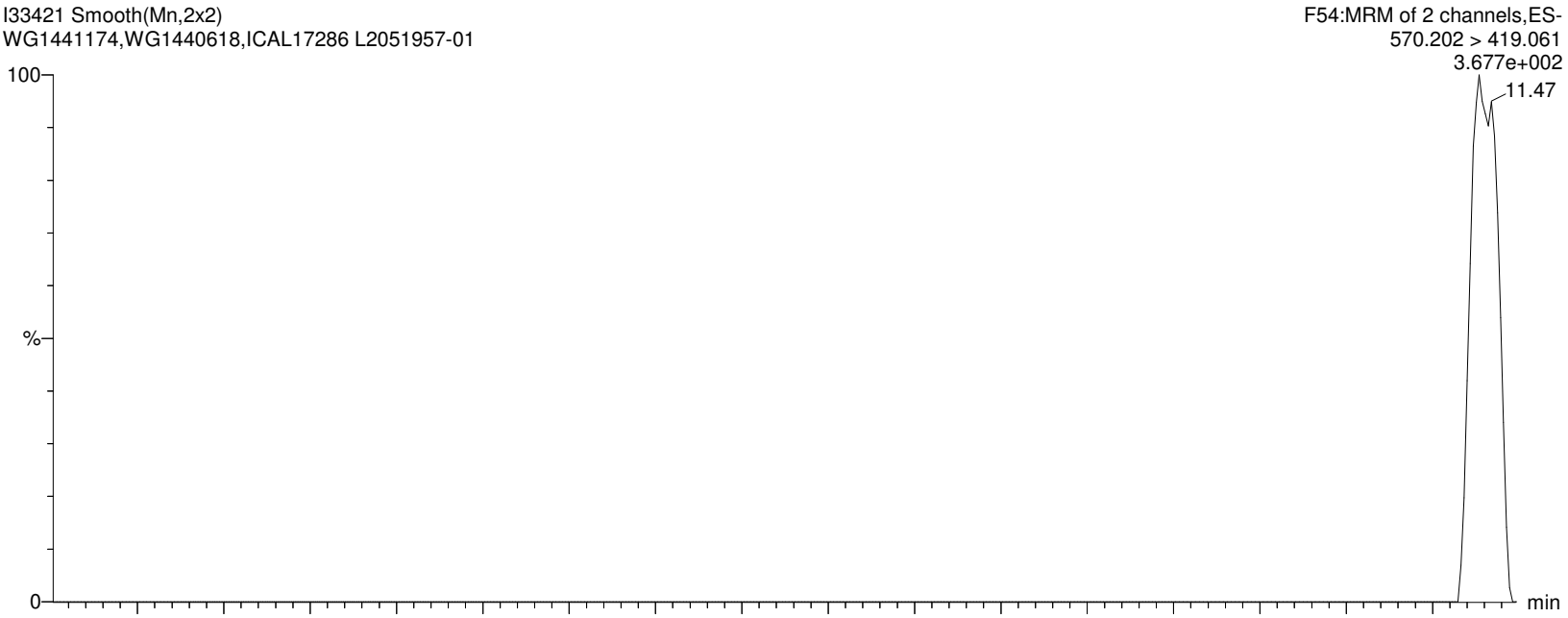

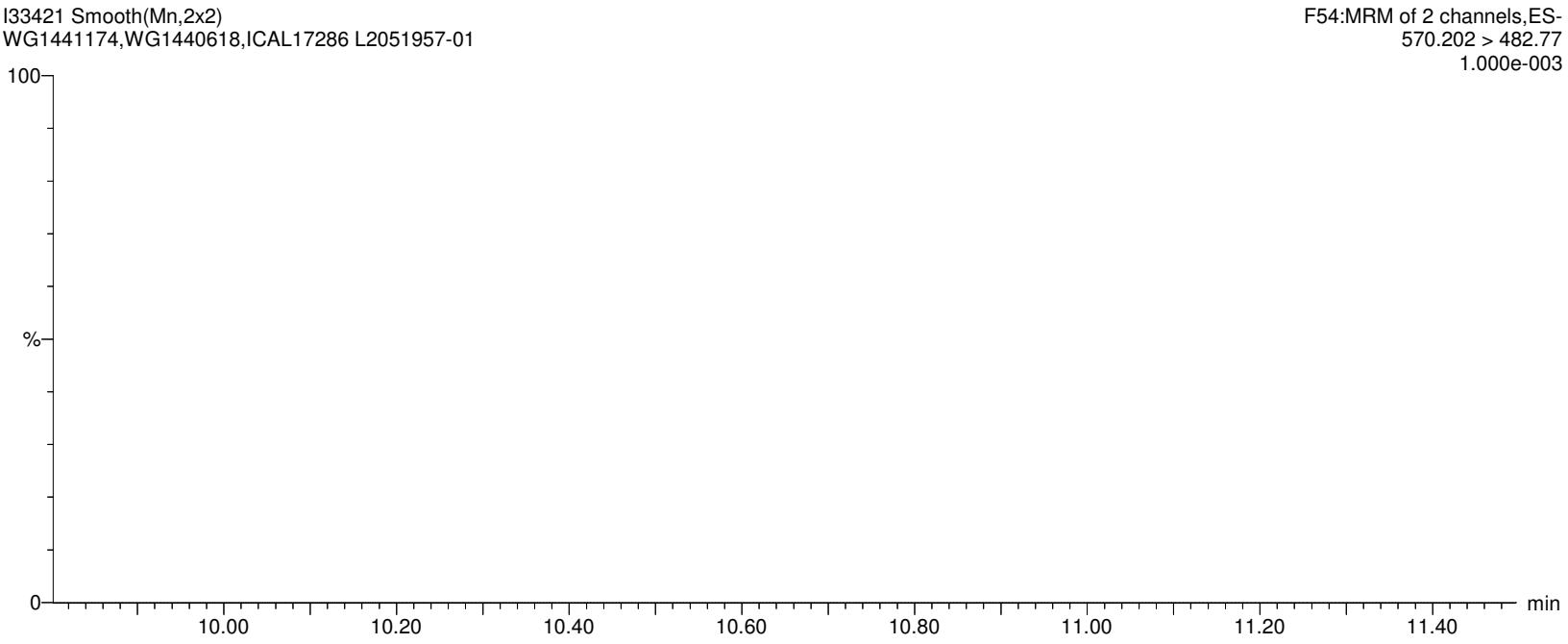

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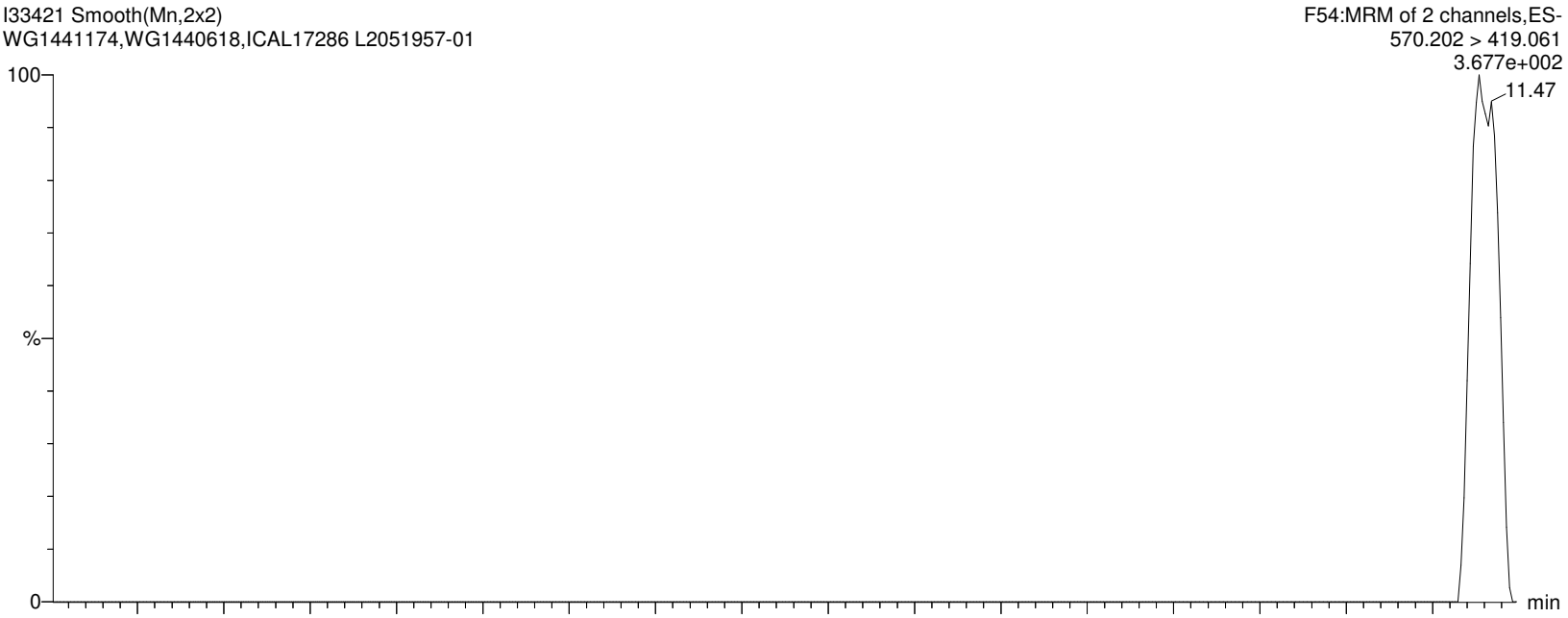

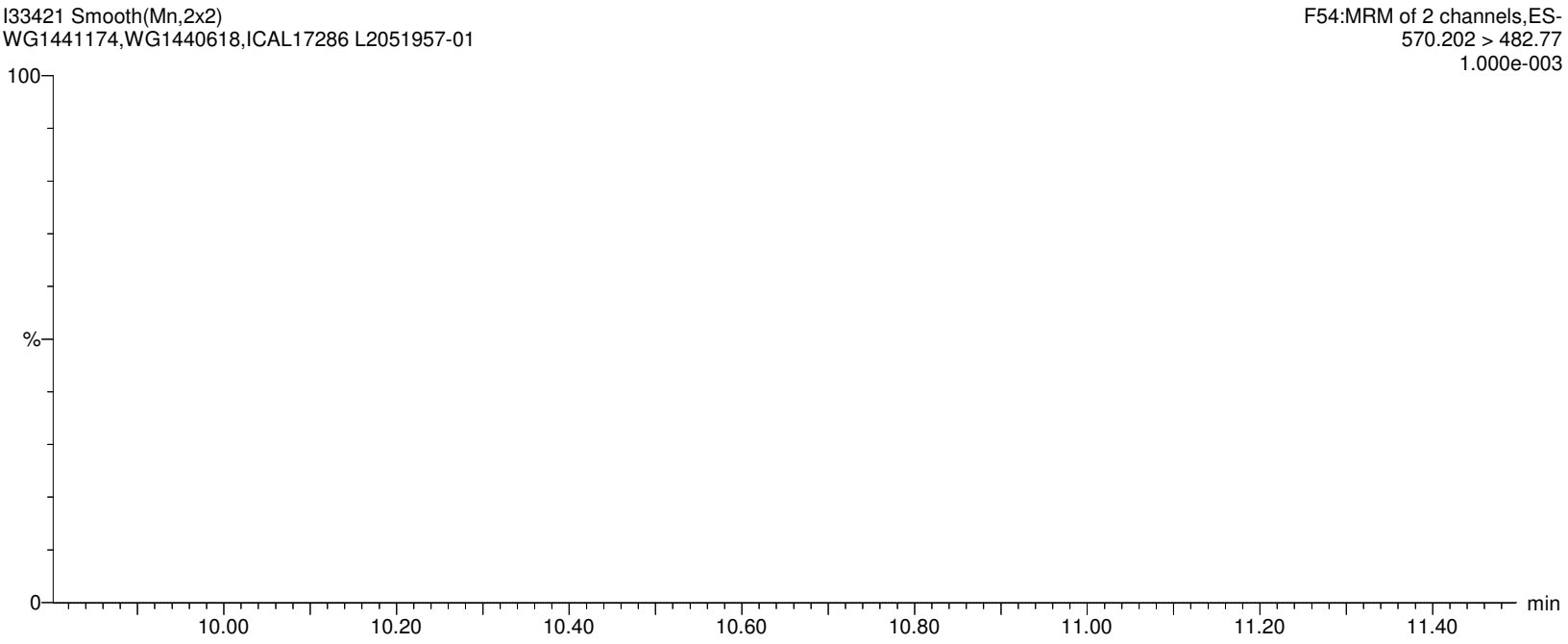

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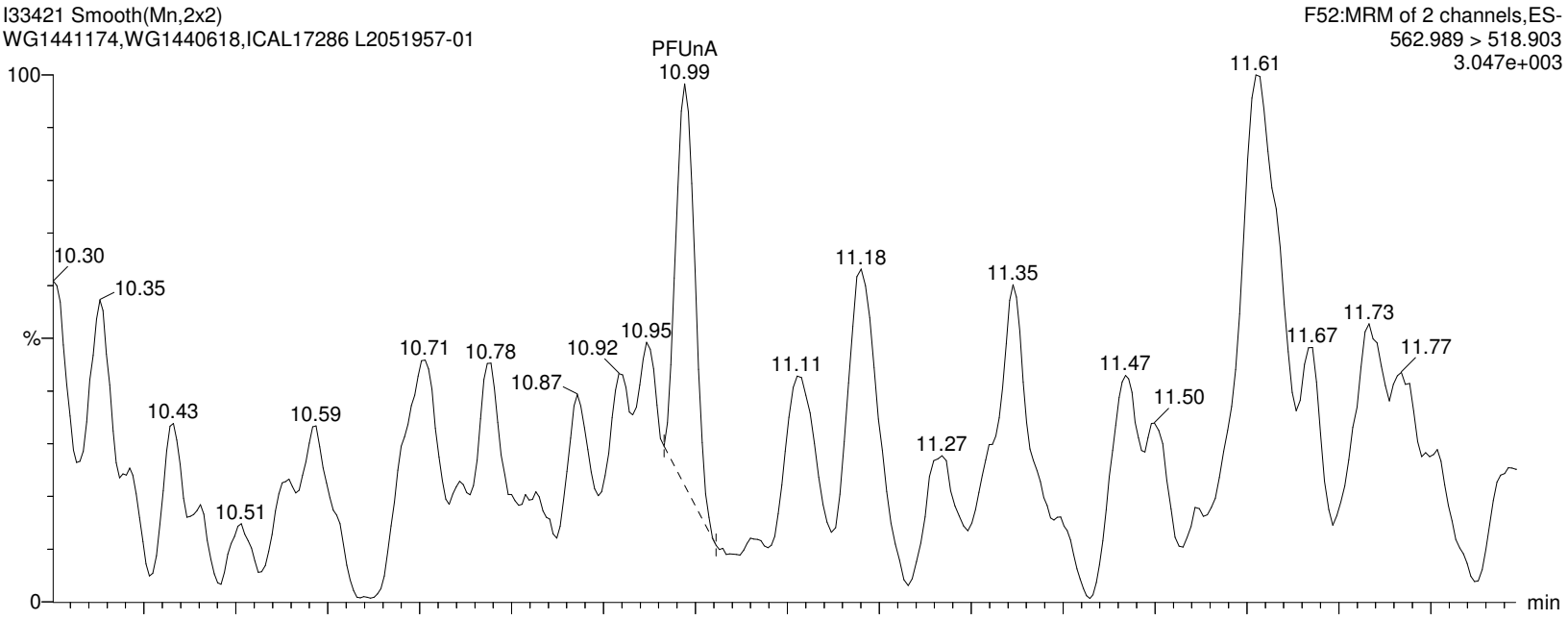

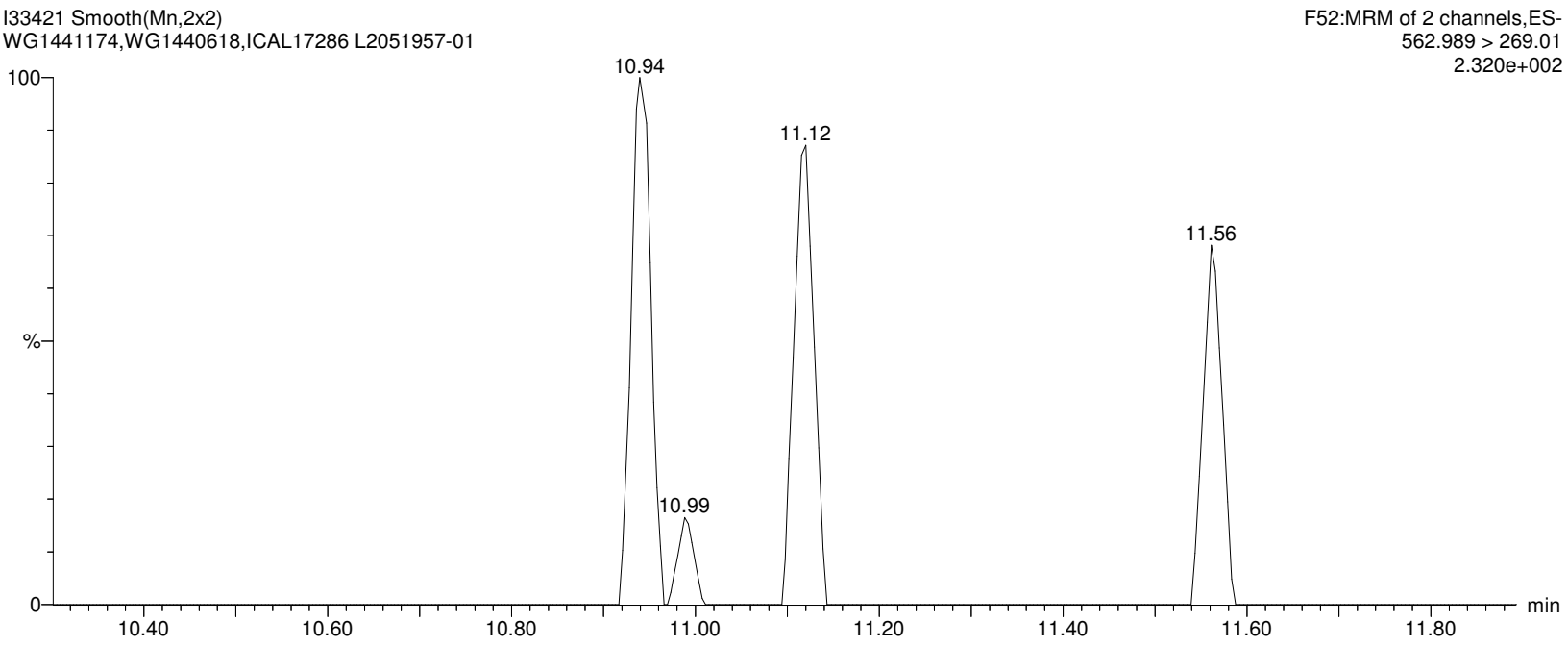

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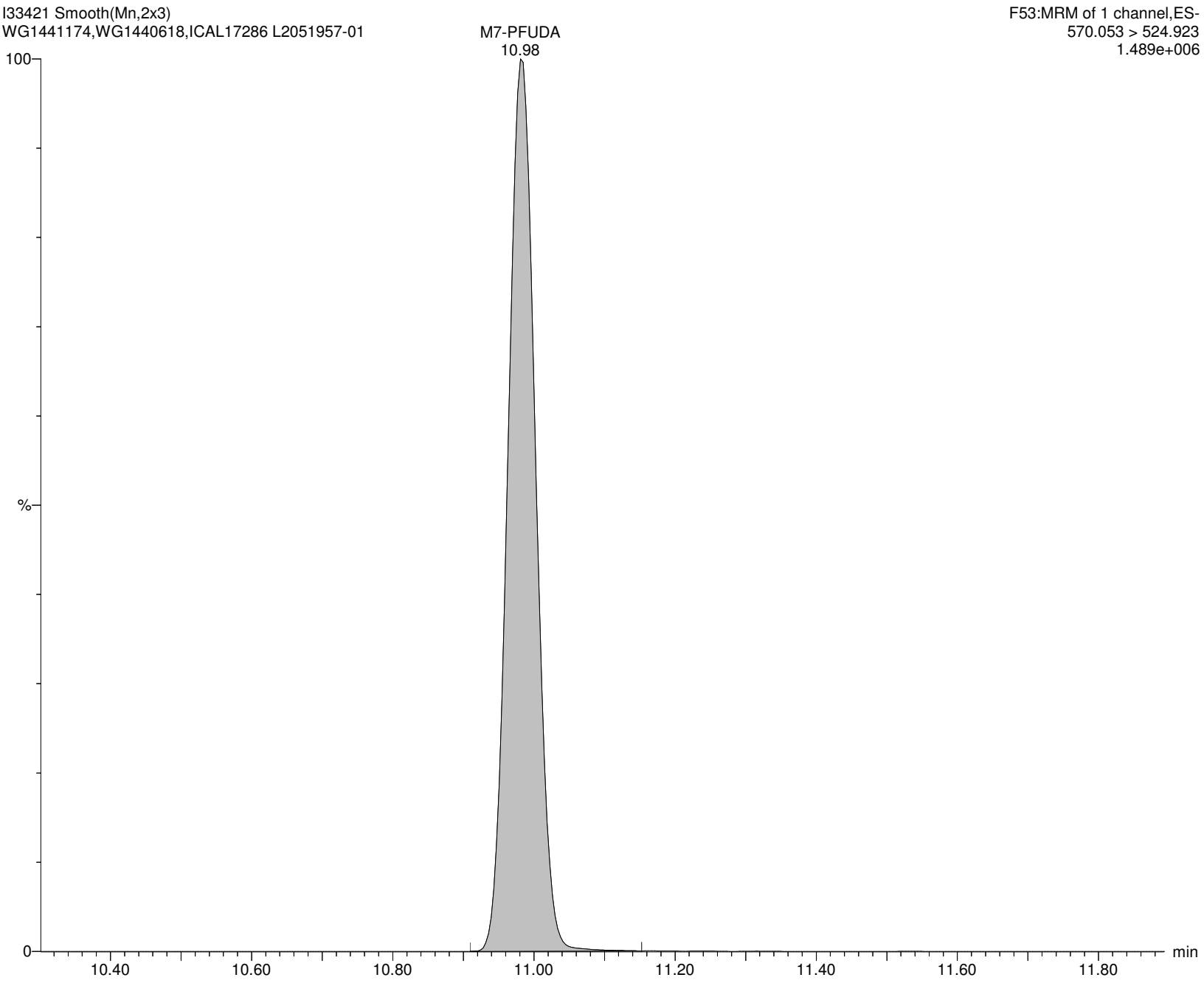

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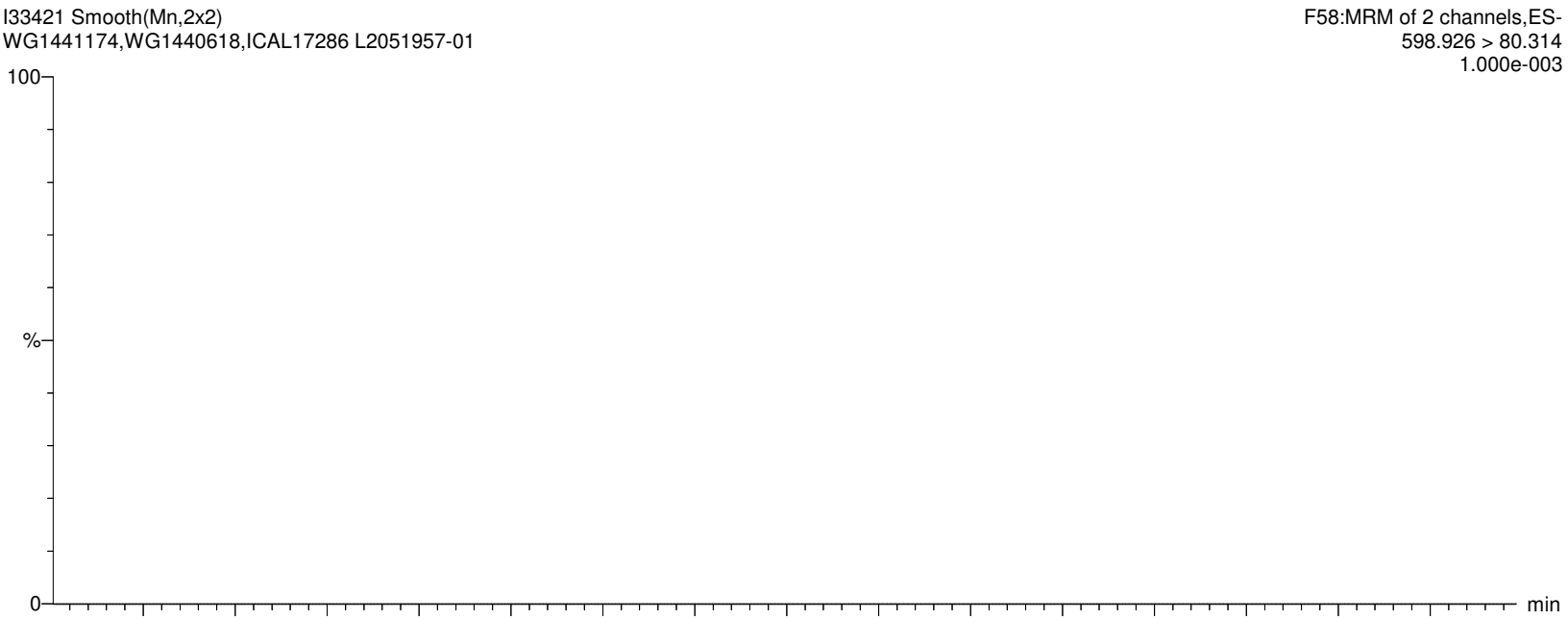

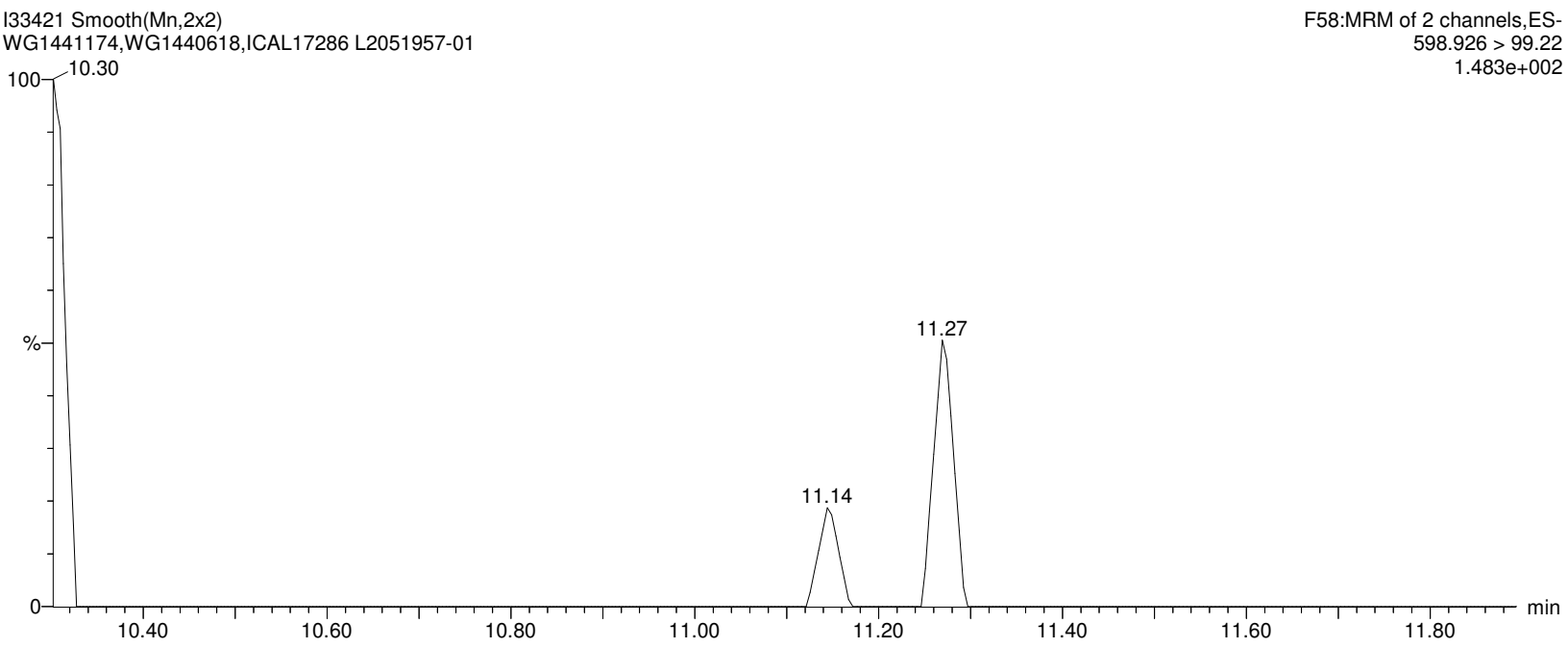

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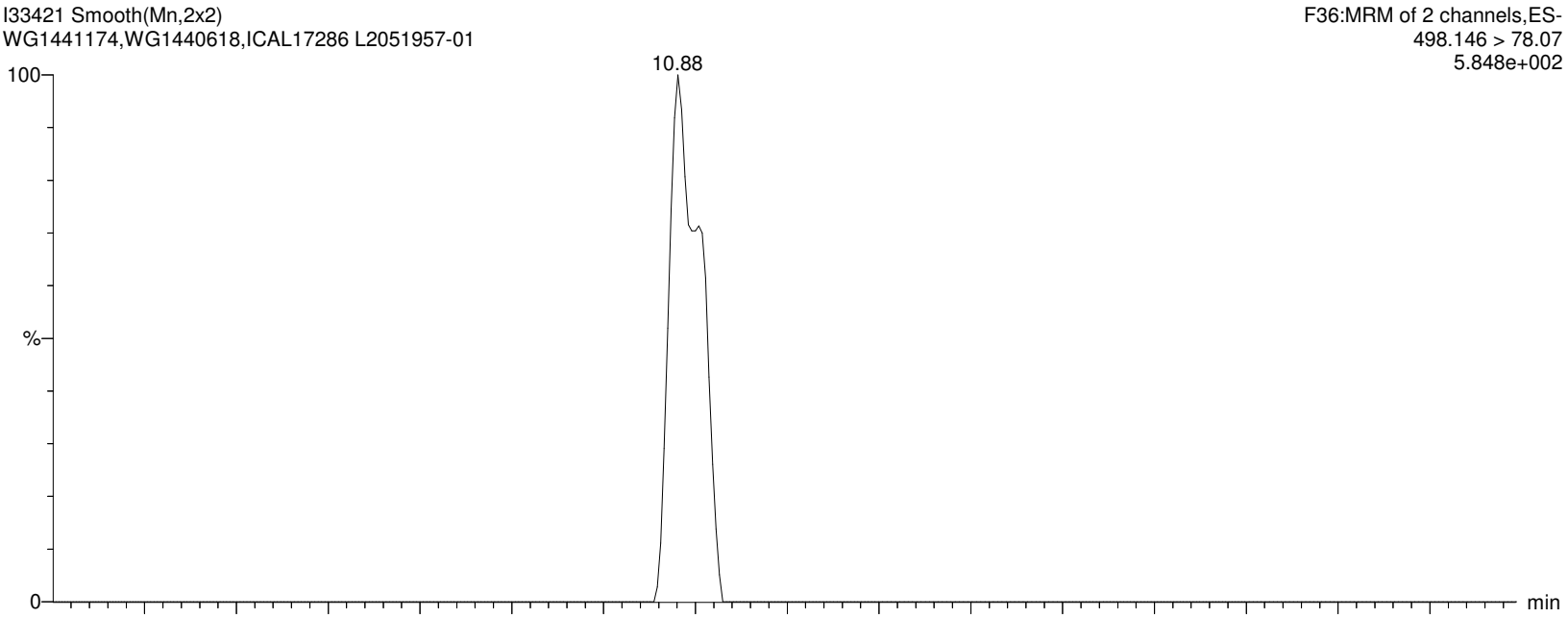

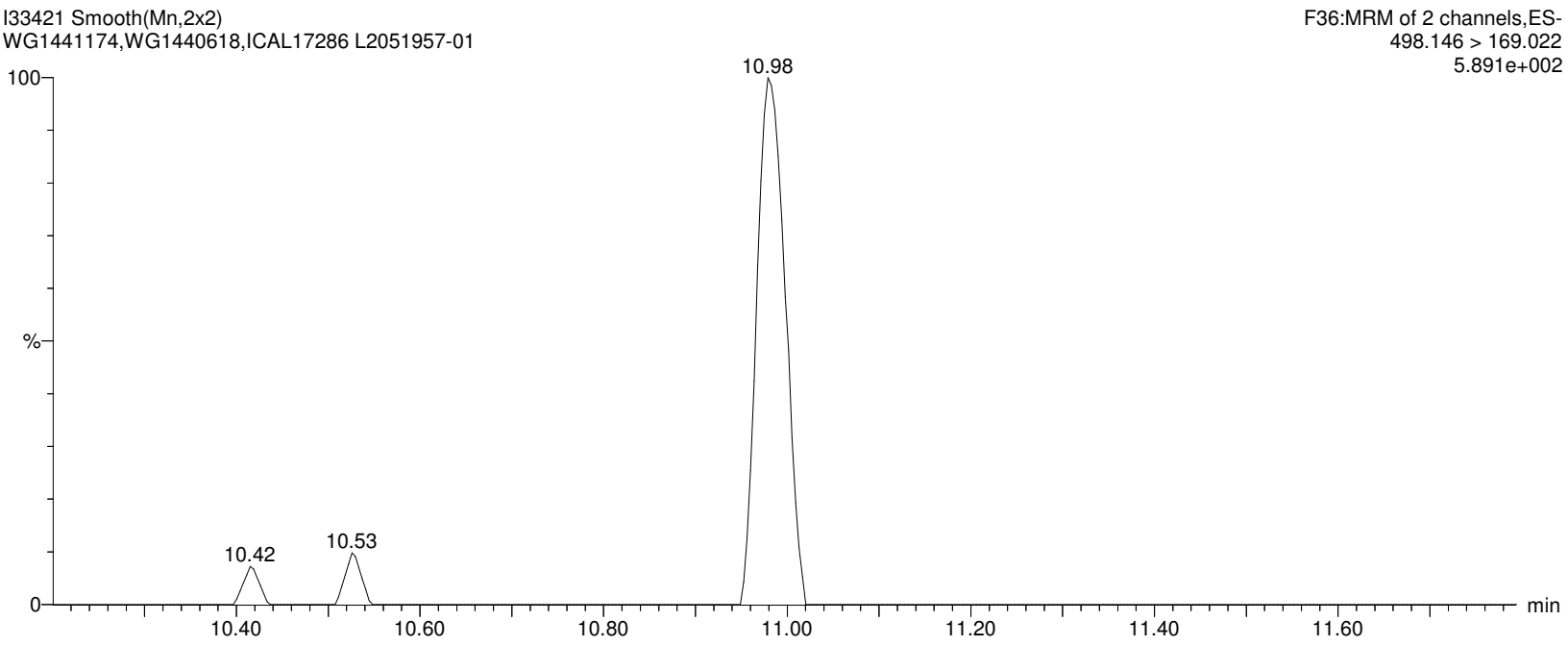

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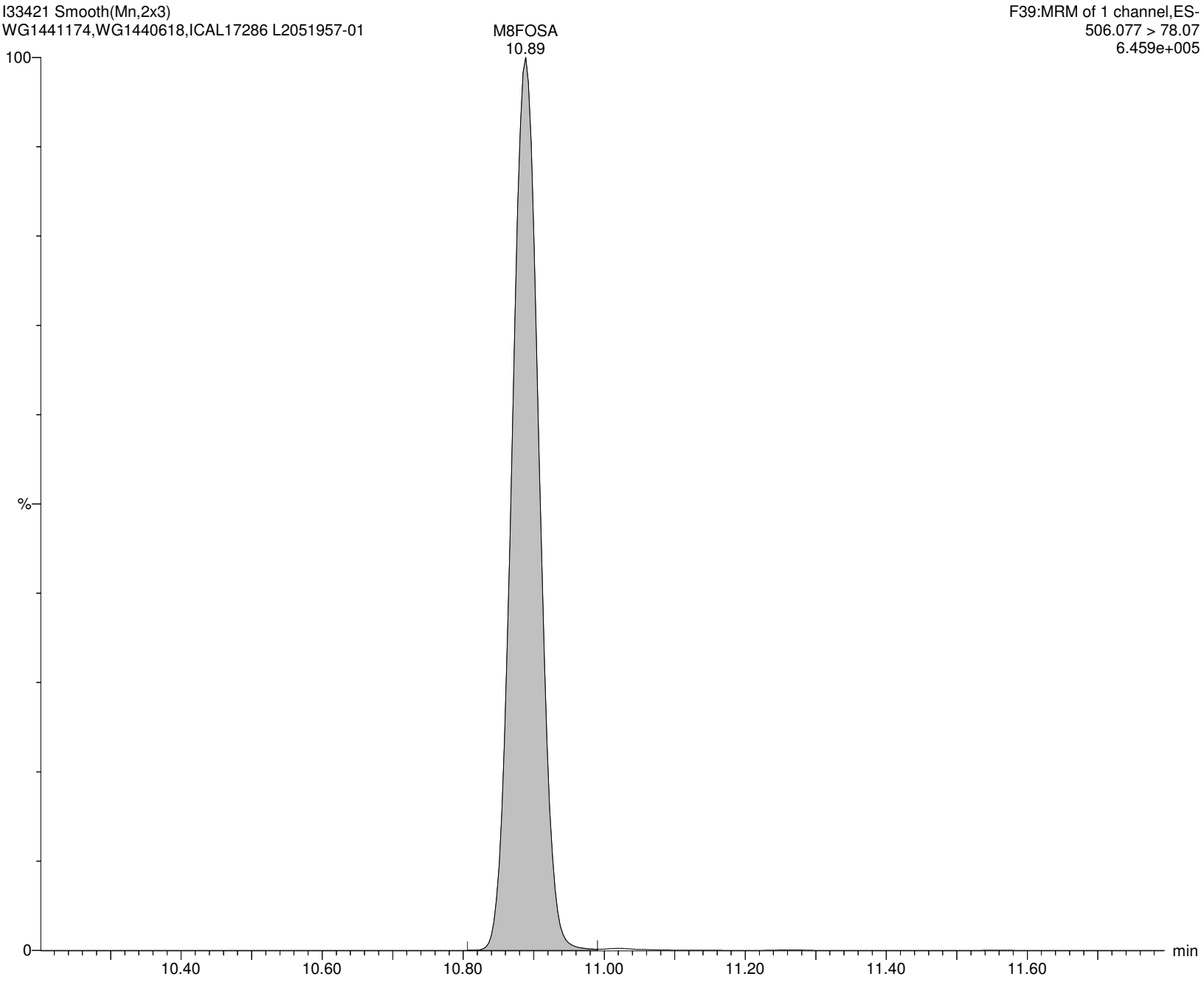

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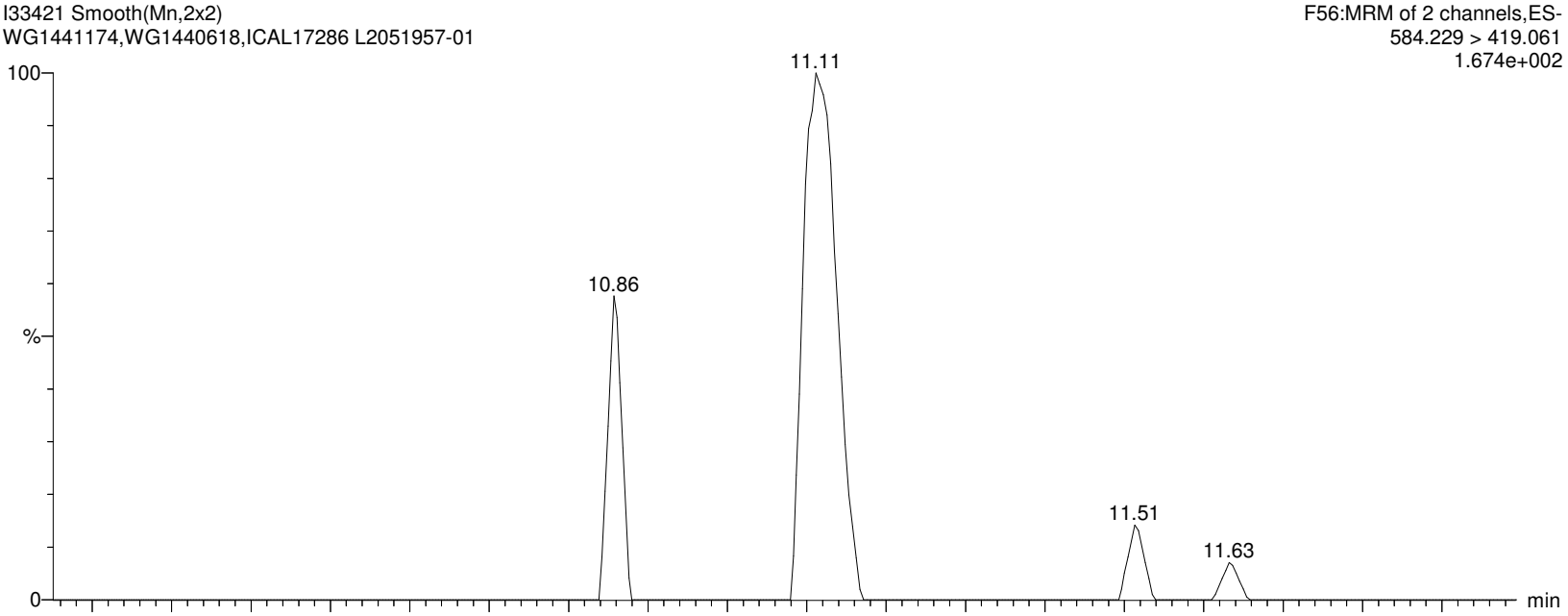

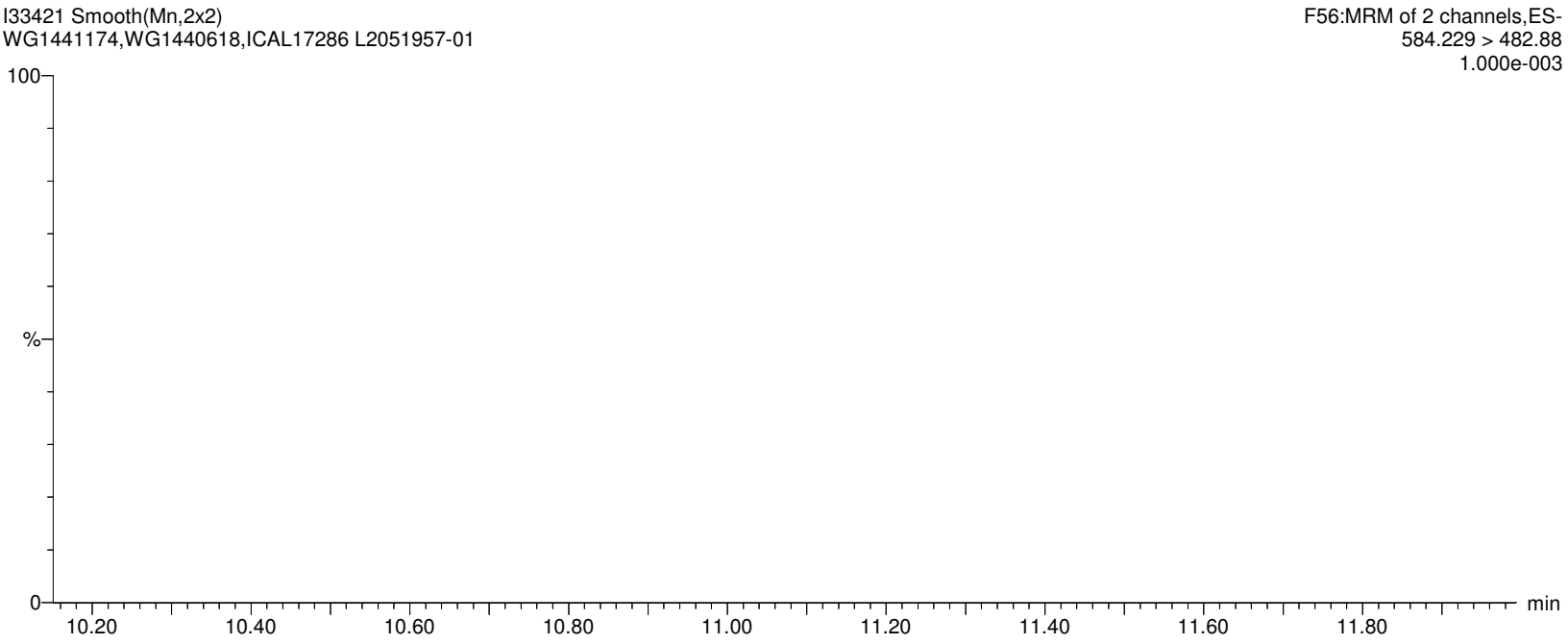

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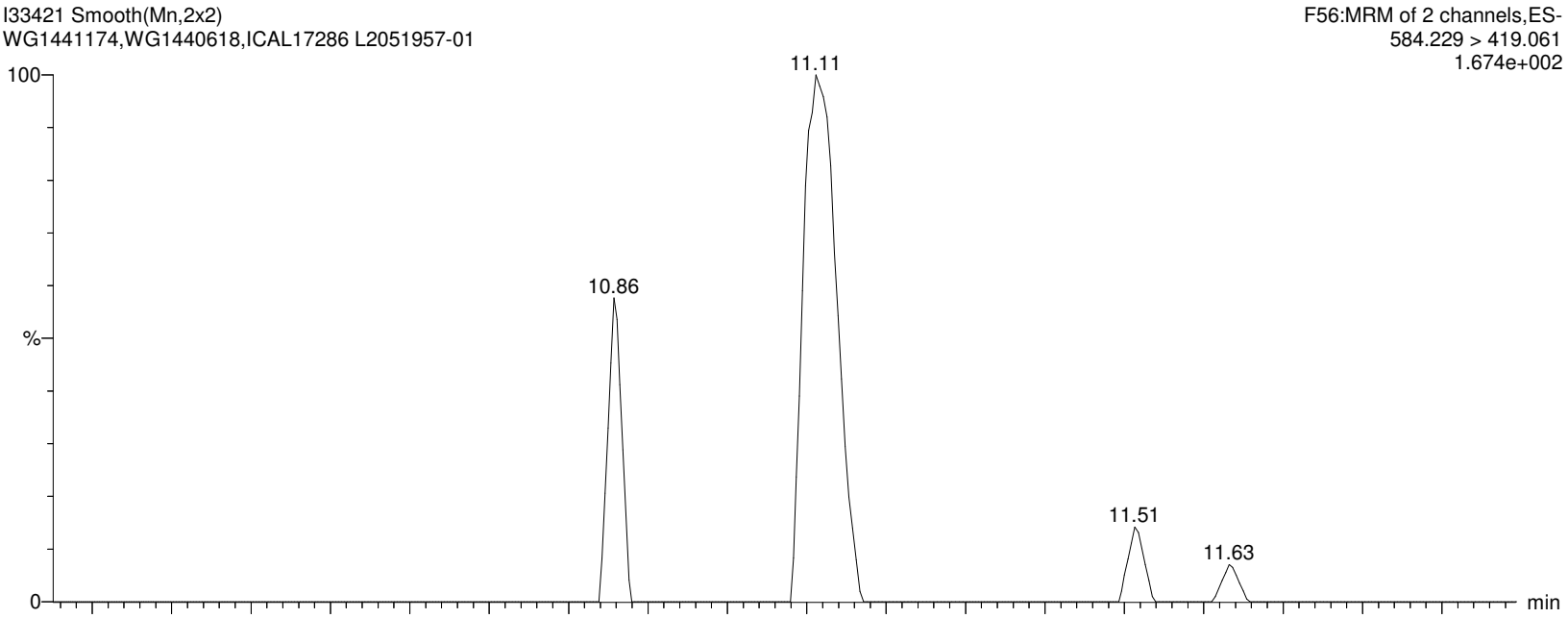

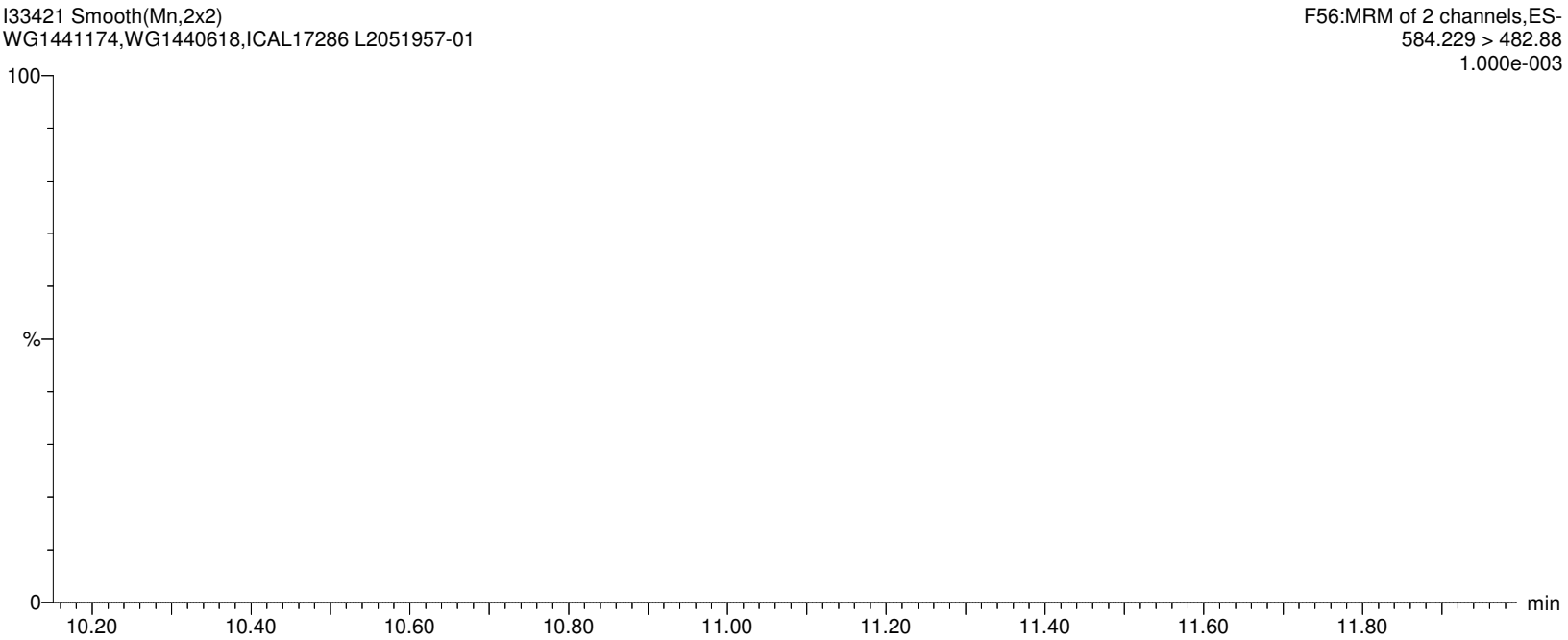

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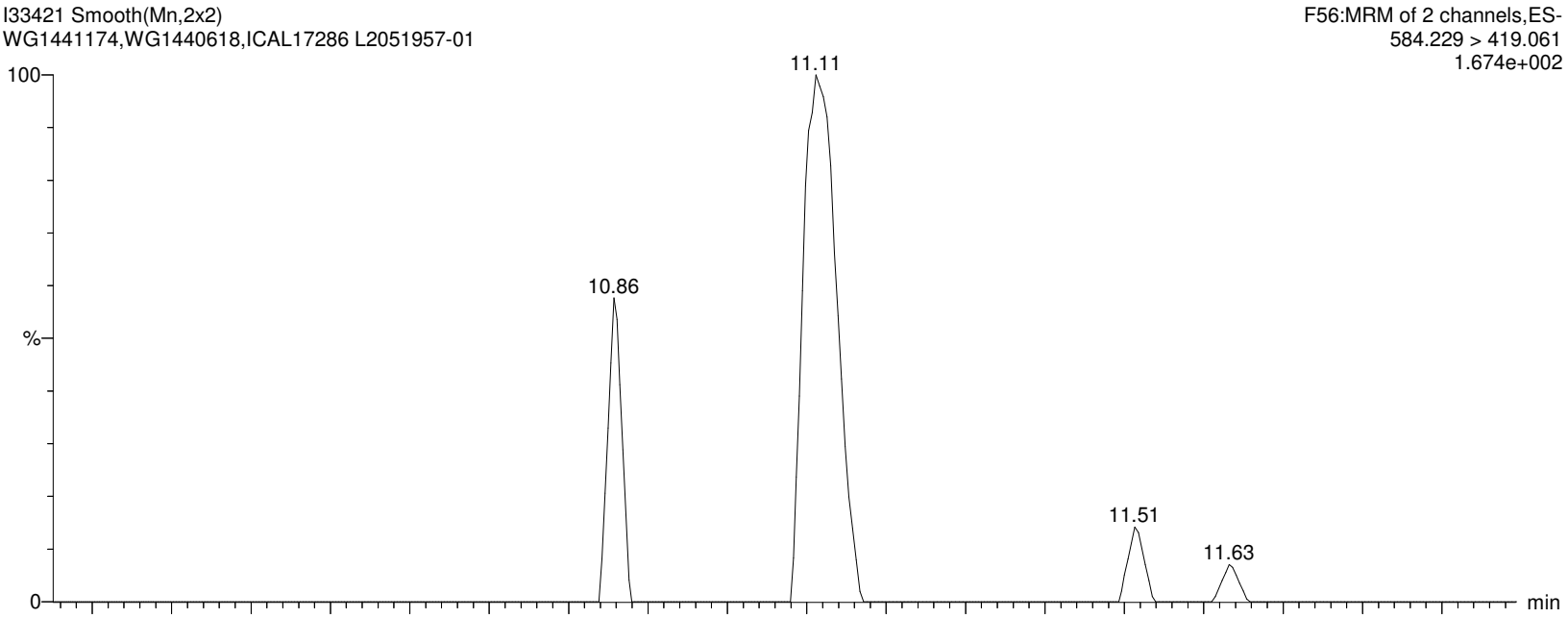

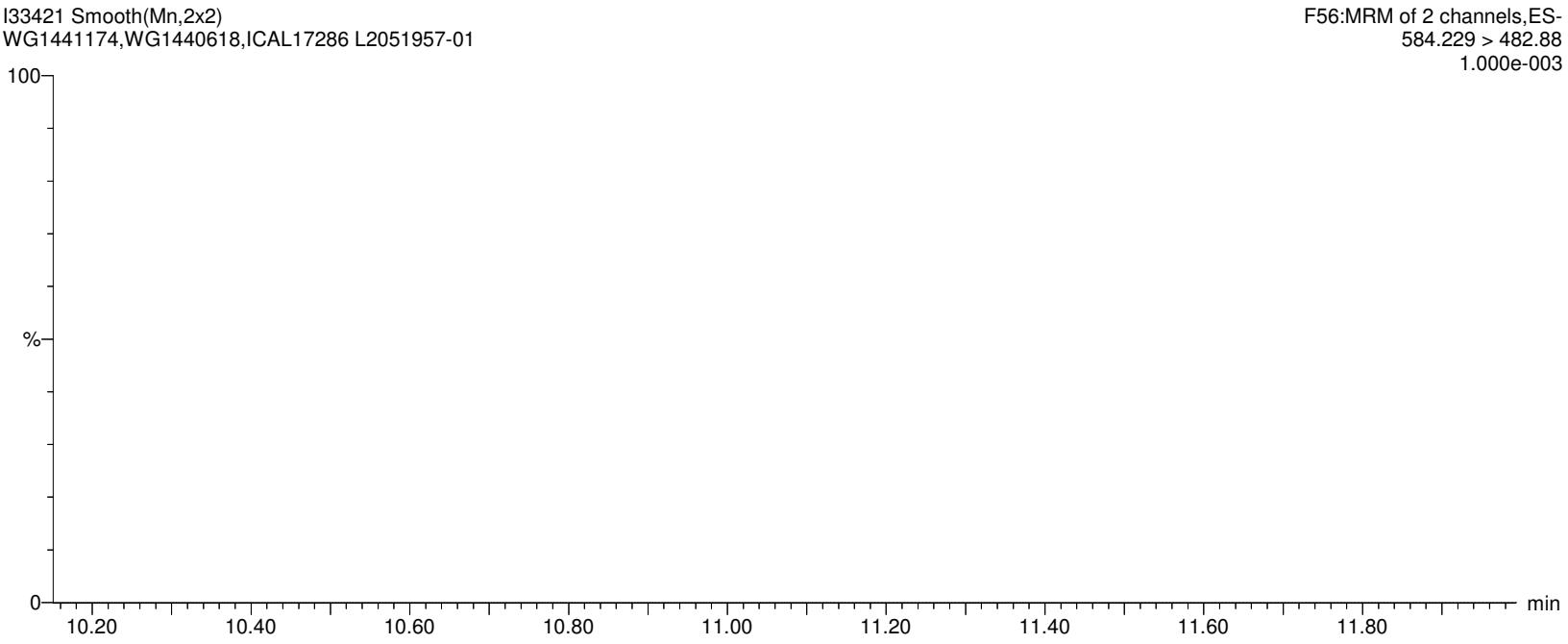

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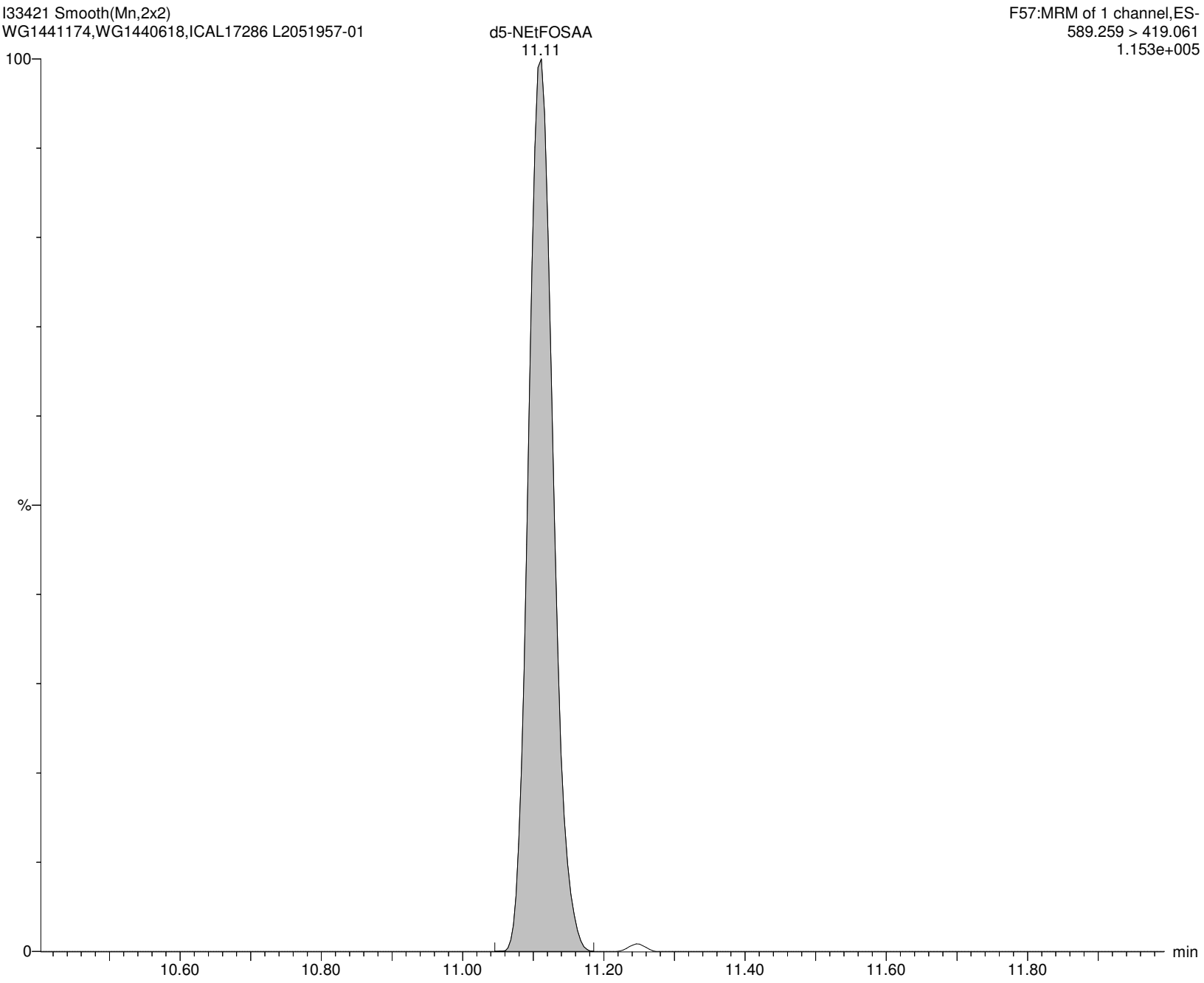

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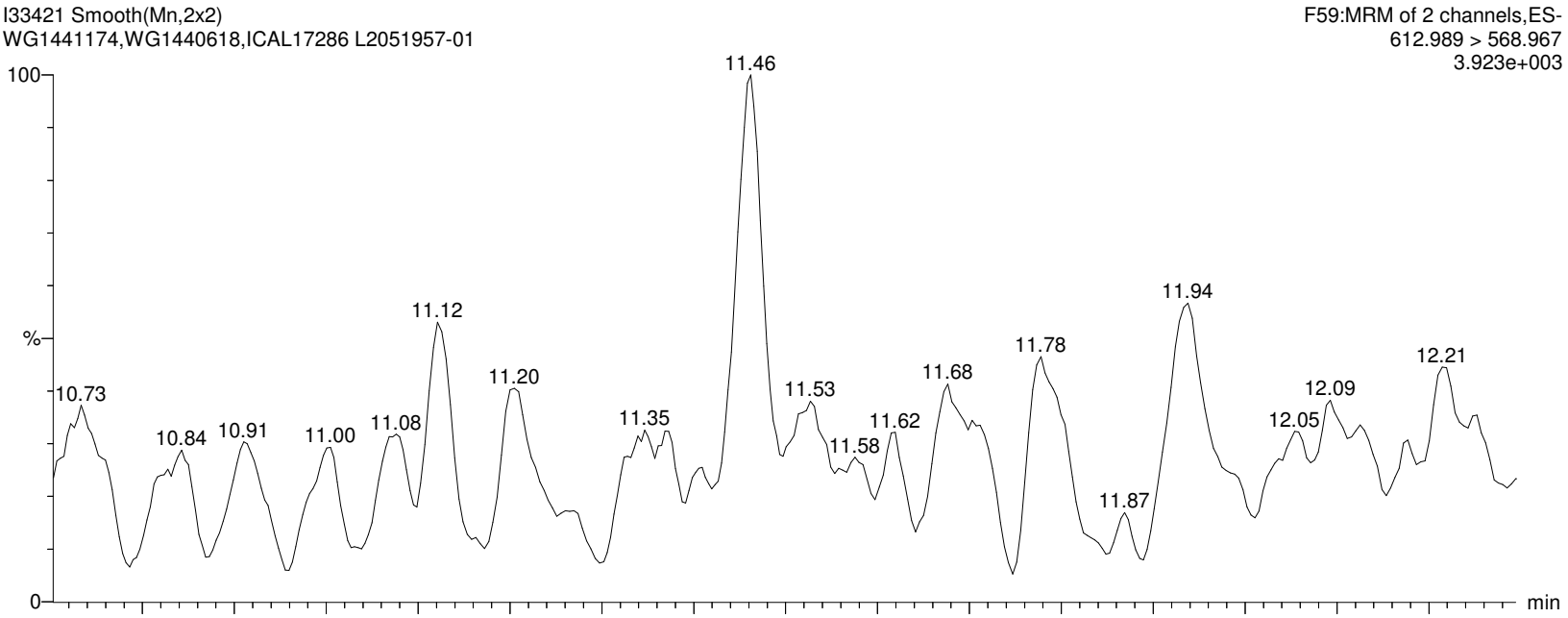

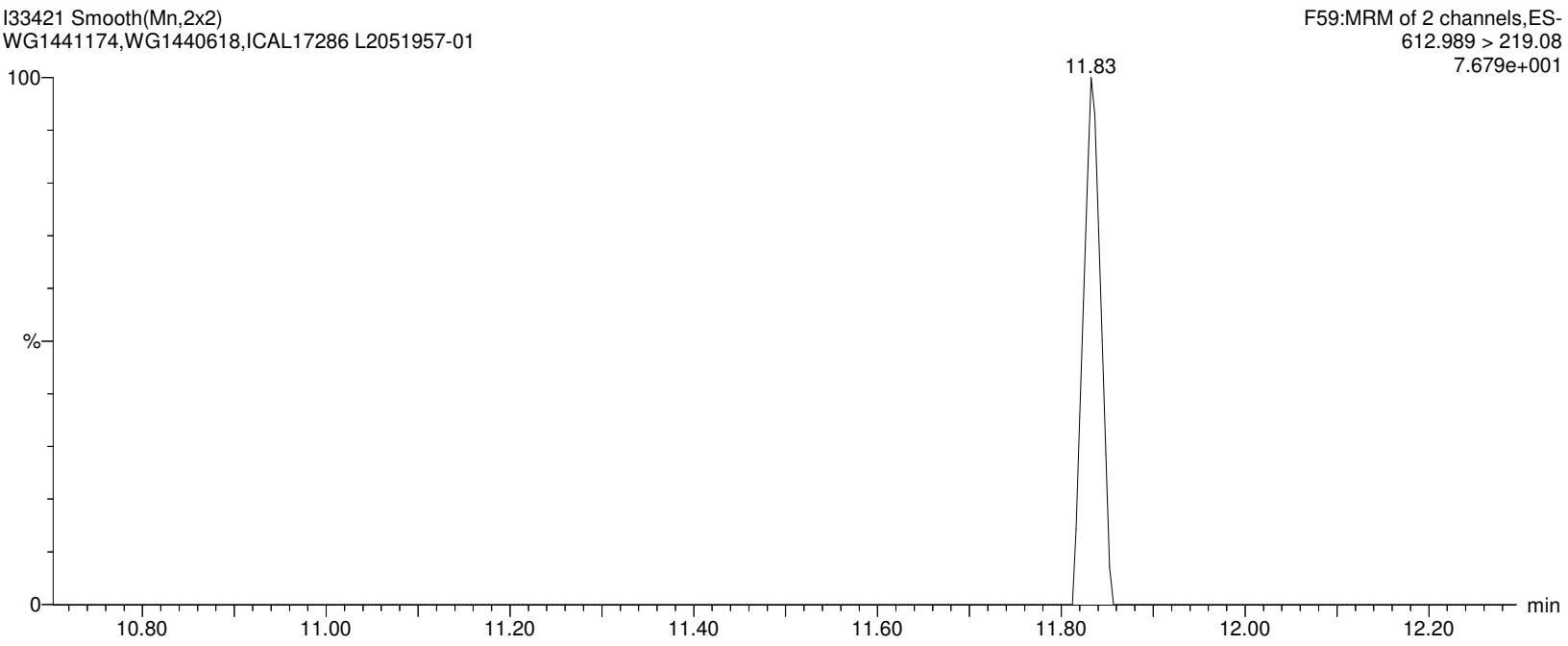

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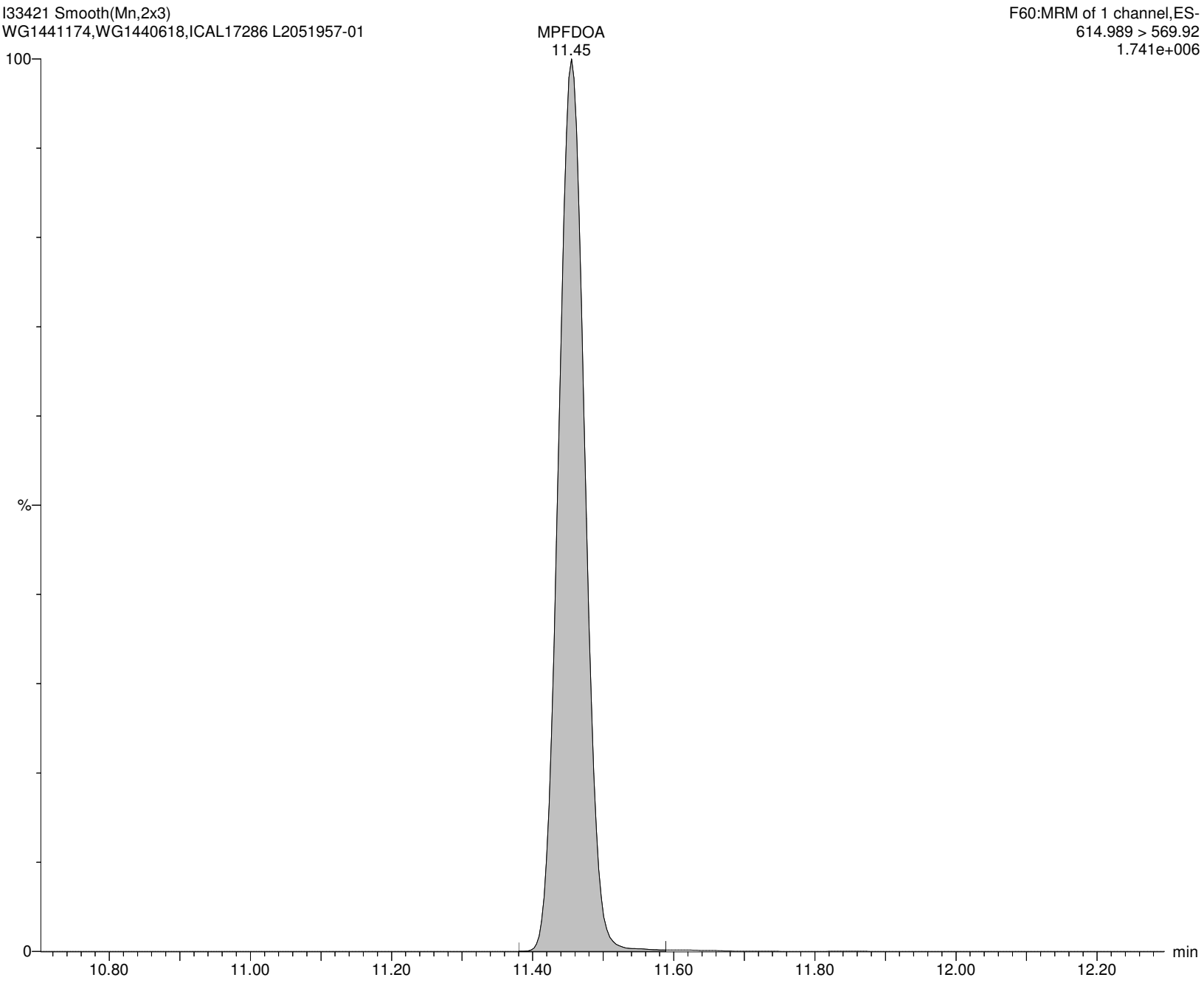

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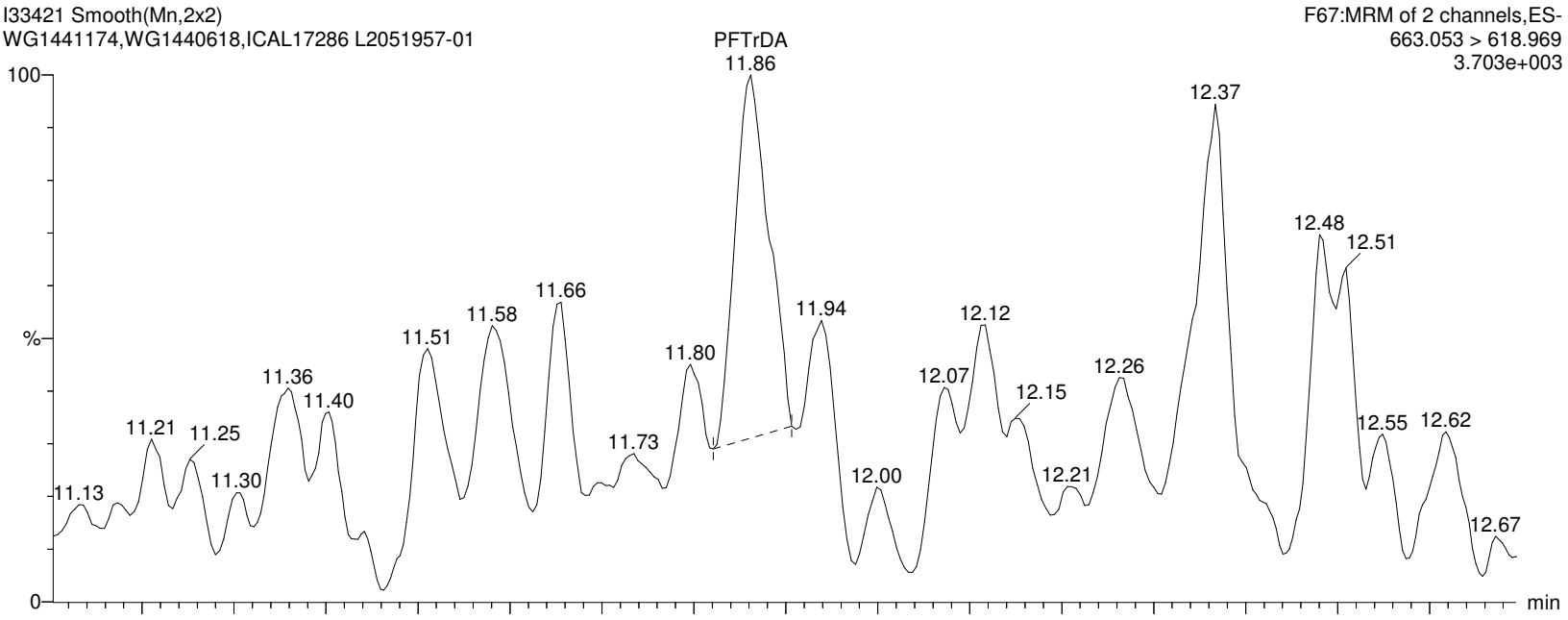

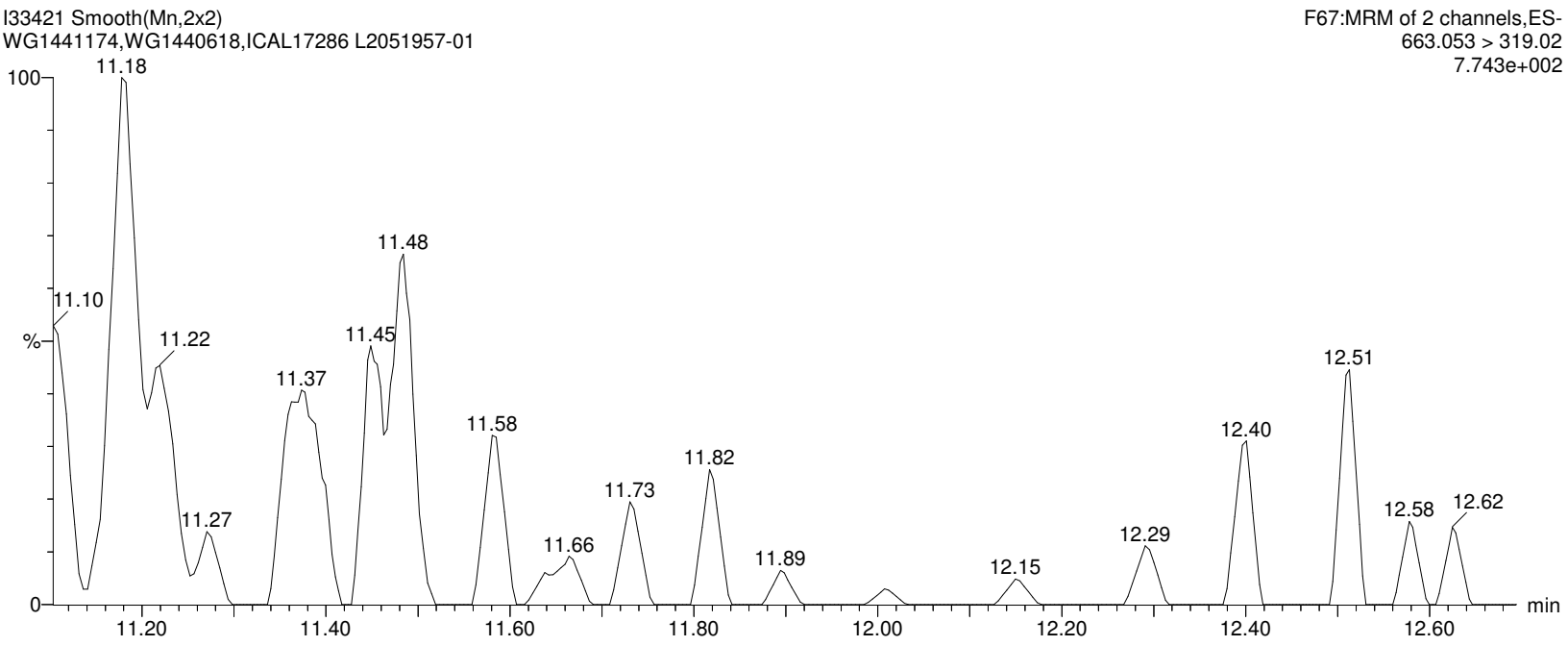

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
Last Altered: Sunday, December 06, 2020 22:56:32 Eastern Standard Time
Printed: Sunday, December 06, 2020 22:59:41 Eastern Standard Time

Name: I33421
ID: L2051957-01
Date: 04-Dec-2020
Time: 17:18:39
Description: WG1441174,WG1440618,ICAL17286
User: LCMS02:JW
Vial: 1:D,3
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\200520_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

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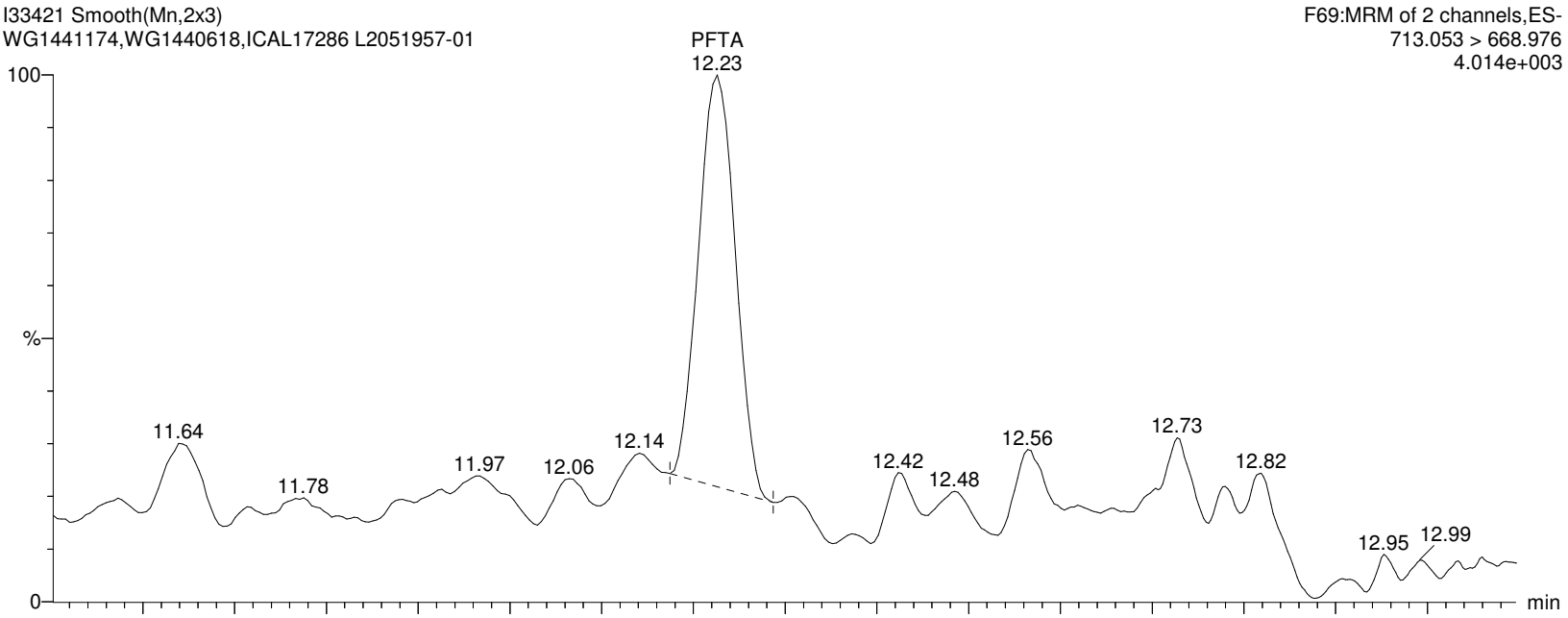

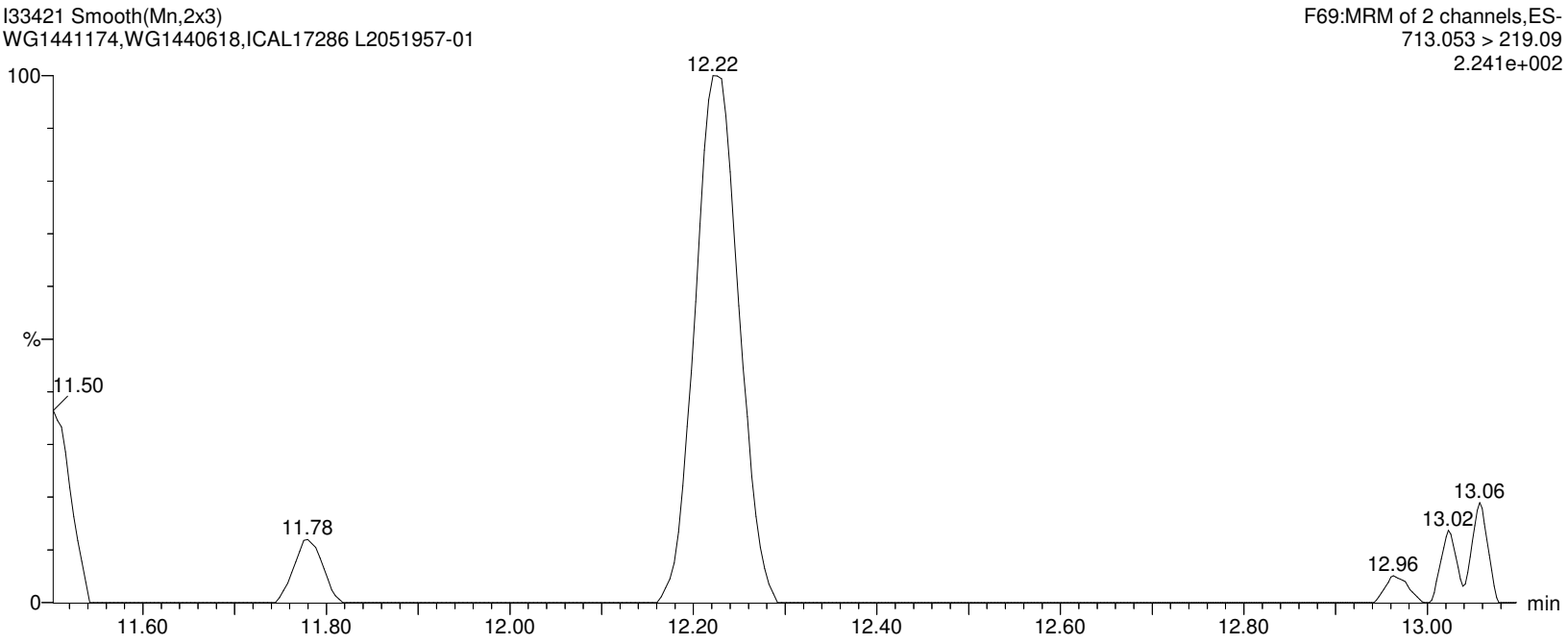

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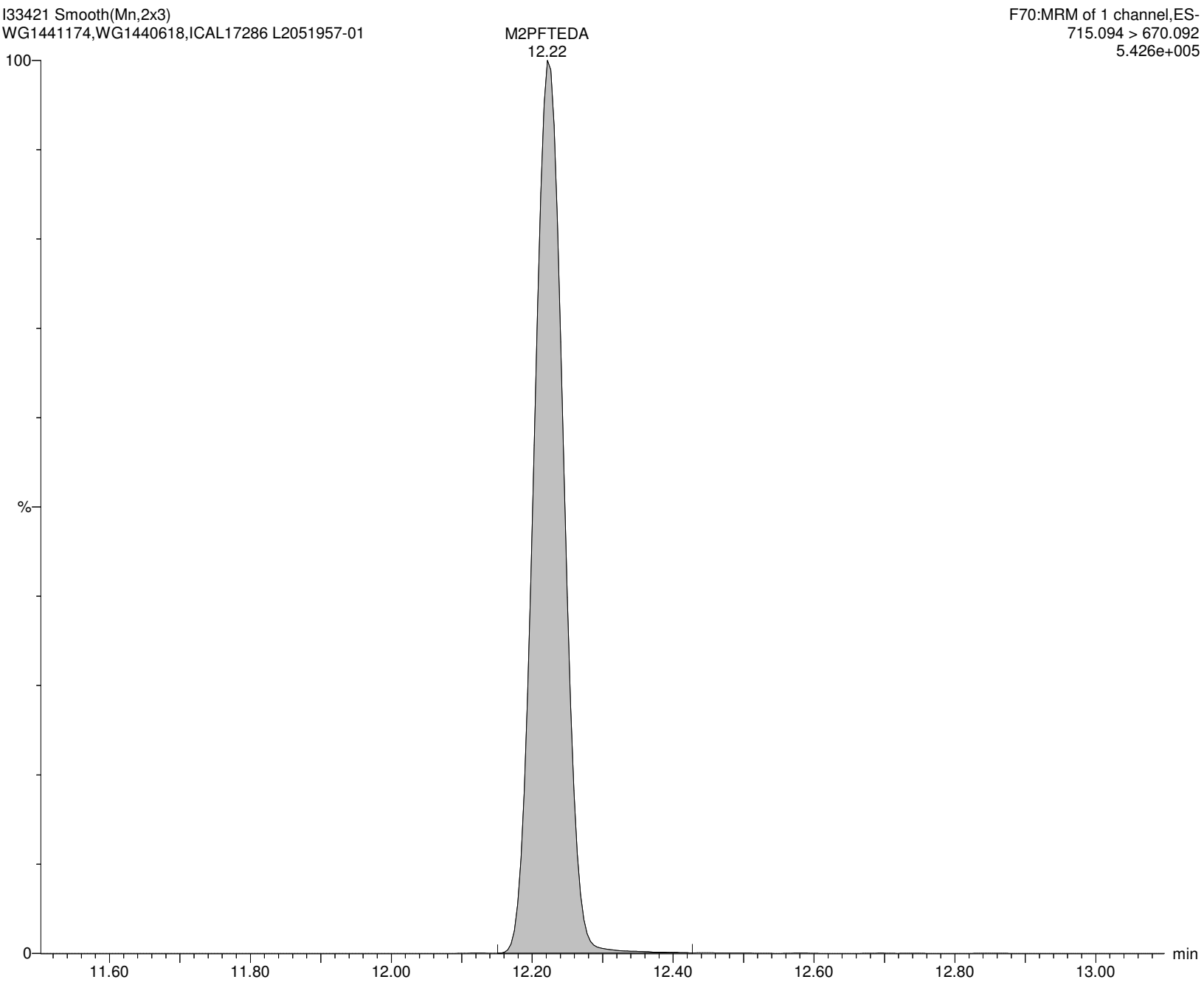

all concentration units in (ng/mL)

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Last Altered: Sunday, December 06, 2020 22:56:32 Eastern Standard Time
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Method: C:\MassLynx\Data\2020\201204_537ISO.PRO\MethDB\537ISO_Q_201027_TOP_RT.mdb 06 Nov 2020 07:37:19
Calibration: C:\MassLynx\Data\2020\201204_537ISO.PRO\CurveDB\201027_ISO_ICAL.cdb 28 Oct 2020 09:14:48

ID: L2051957-02
Name: I33422
Date: 04-Dec-2020
Time: 17:35:13
Description: WG1441174,WG1440618,ICAL17286
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:JW
Inlet Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\200520_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4		212.926 > 169.111			ND		na	
2	M3PFBA	INT STD	2.15	215.926 > 172.122	31839		10.840		na	108.4
3	MPFBA	INT STD	2.15	216.926 > 172.137	36790		9.557		na	95.6
4	PFPeA	2706-90-3	4.97	262.926 > 219.002	312		0.078		na	
5	M5PFPEA	INT STD	4.97	267.989 > 223.081	55928		11.284		na	112.8
6	PFBS	375-73-5		298.926 > 79.923			ND		YES	
7	M3PFBS	INT STD	5.61	301.989 > 80.254	8709		9.113		na	91.1
8	4:2FTS	757124-72-4		326.926 > 306.957			ND		YES	
9	M2-4:2FTS	INT STD	6.75	329.117 > 309.079	3837		10.957		na	109.6
10	PFHxA	307-24-4	6.83	312.989 > 269.028	686	m7	0.139	17.95	NO	
11	M5PFHxA	INT STD	6.84	317.989 > 273.045	54261		9.819		na	98.2
12	PFPeS	2706-91-4		348.926 > 80.251			ND		YES	
13	PFHpA	375-85-9		362.926 > 319.014			ND		YES	
14	M4PFHpA	INT STD	8.11	366.926 > 321.979	70338		10.144		na	101.4
15	br-PFHxS	355-46-4		398.926 > 80.295			ND		YES	
16	L-PFHxS	355-46-4		398.926 > 80.295			ND		YES	
17	PFHxS	355-46-4		398.926 > 80.295	0		ND		na	
18	M3PFHxS	INT STD	8.27	401.926 > 80.317	8365		9.890		na	98.9
19	br-PFOA	335-67-1	8.84	412.989 > 368.9	140	m5,m7	0.018	11.40	YES	
20	L-PFOA	335-67-1	9.05	412.989 > 368.9	919		0.121	9.04	YES	
21	M2PFOA	INT STD	9.05	415.032 > 369.968	85076		13.622		na	136.2
22	PFOA	335-67-1		412.989 > 368.9	1059		0.139		na	
23	M8PFOA	INT STD	9.05	420.989 > 375.979	90985		9.739		na	97.4
24	6:2FTS	27619-97-2		427.161 > 407.155			ND		YES	
25	M2-6:2FTS	INT STD	9.01	429.146 > 409.14	4483		11.717		na	117.2
26	PFHpS	375-92-8		448.926 > 80.257			ND		YES	
27	PFNA	375-95-1	9.82	462.989 > 418.931	486	m4	0.073	3.57	NO	
28	M9PFNA	INT STD	9.82	472.053 > 426.947	35679		9.973		na	99.7
29	br-PFOS	1763-23-1	9.61	498.989 > 80.294	57	m5,m7	0.059		YES	
30	L-PFOS	1763-23-1	9.87	498.989 > 80.294	161		0.200	1.25	NO	
31	PFOS	1763-23-1		498.989 > 80.294	218		0.259		na	
32	M4PFOS	INT STD	9.87	503.032 > 80.306	7810		10.453		na	104.5
33	M8PFOS	INT STD	9.87	507.053 > 80.294	8875		9.096		na	91.0
34	PFDA	335-76-2	10.45	513.053 > 468.906	391	m7	0.063	9.47	YES	
35	M2PFDA	INT STD	10.45	515.053 > 469.934	68759		15.829		na	158.3
36	M6PFDA	INT STD	10.44	519.053 > 473.931	72048		9.581		na	95.8
37	8:2FTS	39108-34-4		527.177 > 507.171			ND		YES	
38	M2-8:2FTS	INT STD	10.44	529.162 > 509.155	3812		14.302		na	143.0
39	PFNS	68259-12-1		548.989 > 80.249			ND		YES	

all concentration units in (ng/mL)

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Last Altered: Sunday, December 06, 2020 22:56:32 Eastern Standard Time
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ID: L2051957-02
Name: I33422
Date: 04-Dec-2020
Time: 17:35:13
Description: WG1441174,WG1440618,ICAL17286
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:JW
Inlet Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\200520_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.82	573.22 > 419.061	6304		8.042		na	80.4
41	br-NMeFOSAA			570.202 > 419.061			ND		YES	
42	L-NMeFOSAA			570.202 > 419.061			ND		YES	
43	NMeFOSAA	2355-31-9		570.202 > 419.061	0		ND		na	
44	PFUnA	2058-94-8	10.98	562.989 > 518.903	666	m4	0.102	16.69	YES	
45	M7-PFUDA	INT STD	10.98	570.053 > 524.923	69890		10.876		na	108.8
46	PFDS	335-77-3		598.926 > 80.314			ND		YES	
47	FOSA	754-91-6		498.146 > 78.07			ND		YES	
48	M8FOSA	INT STD	10.89	506.077 > 78.07	10796		2.170		na	21.7
49	br-NEtFOSAA			584.229 > 419.061			ND		YES	
50	L-NEtFOSAA			584.229 > 419.061			ND		YES	
51	NEtFOSAA	2991-50-6		584.229 > 419.061	0		ND		na	
52	d5-NEtFOSAA	INT STD	11.11	589.259 > 419.061	4817		7.705		na	77.1
53	PFDoA	307-55-1		612.989 > 568.967			ND		YES	
54	MPFDOA	INT STD	11.45	614.989 > 569.92	77664		10.759		na	107.6
55	PFTrDA	72629-94-8		663.053 > 618.969			ND		YES	
56	PFTA	376-06-7		713.053 > 668.976			ND		YES	
57	M2PFTEDA	INT STD	12.22	715.094 > 670.092	25757		7.266		na	72.7

all concentration units in (ng/mL)

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Method: C:\MassLynx\Data\2020\201204_537ISO.PRO\MethDB\537ISO_Q_201027_TOP_RT.mdb 06 Nov 2020 07:37:19
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User: LCMS02:JW
Vial: 1:D,4
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
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MS Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

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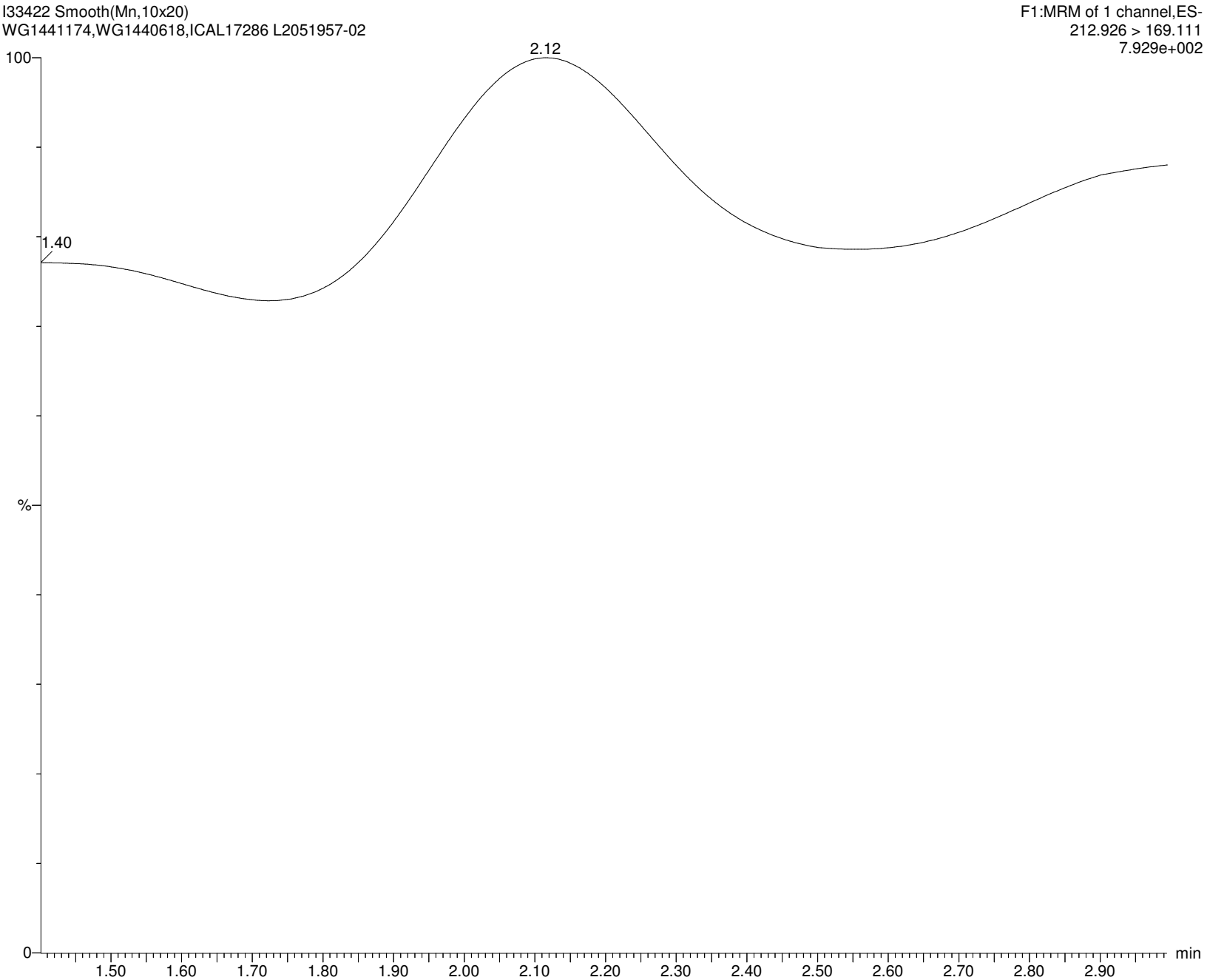

all concentration units in (ng/mL)

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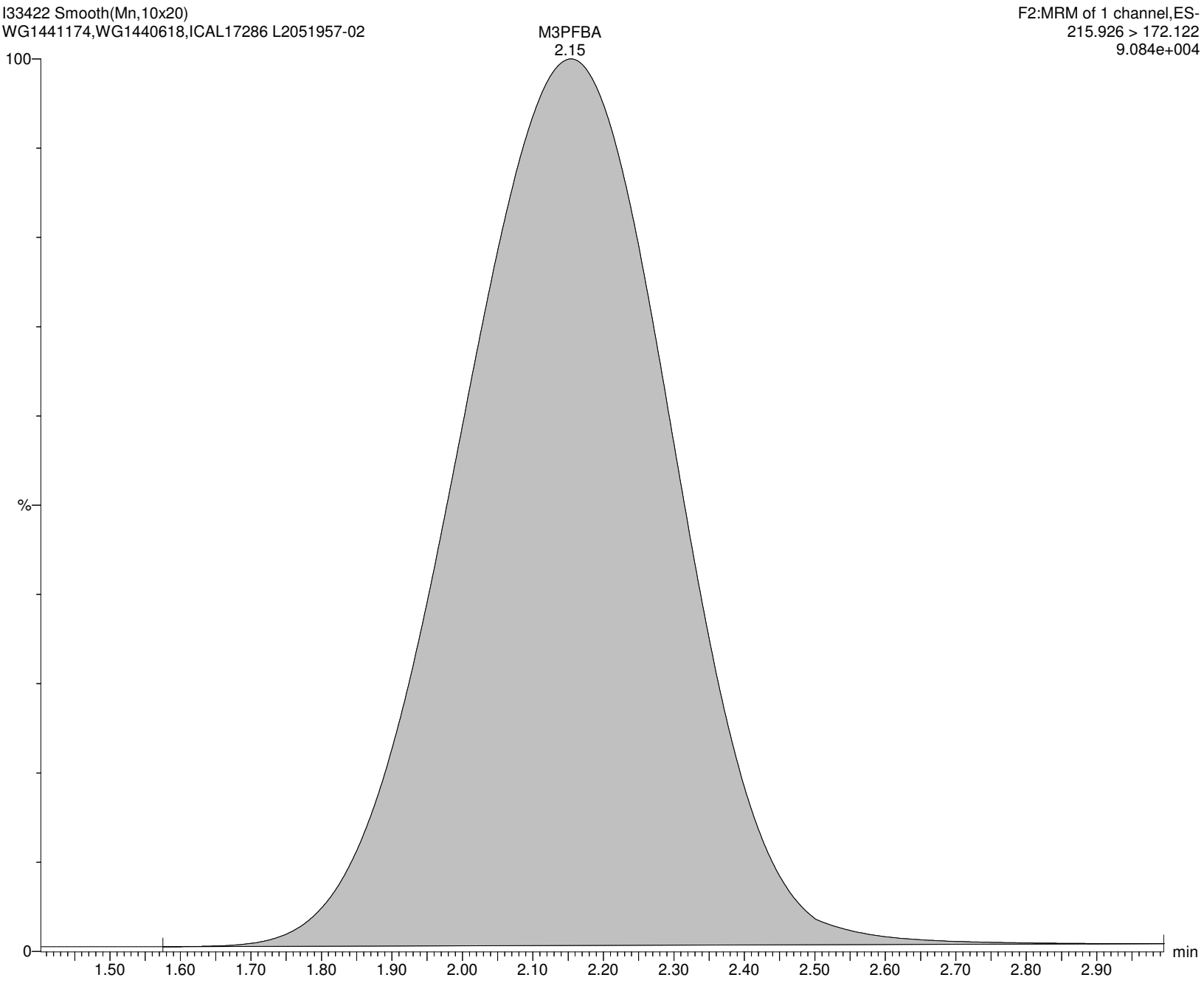

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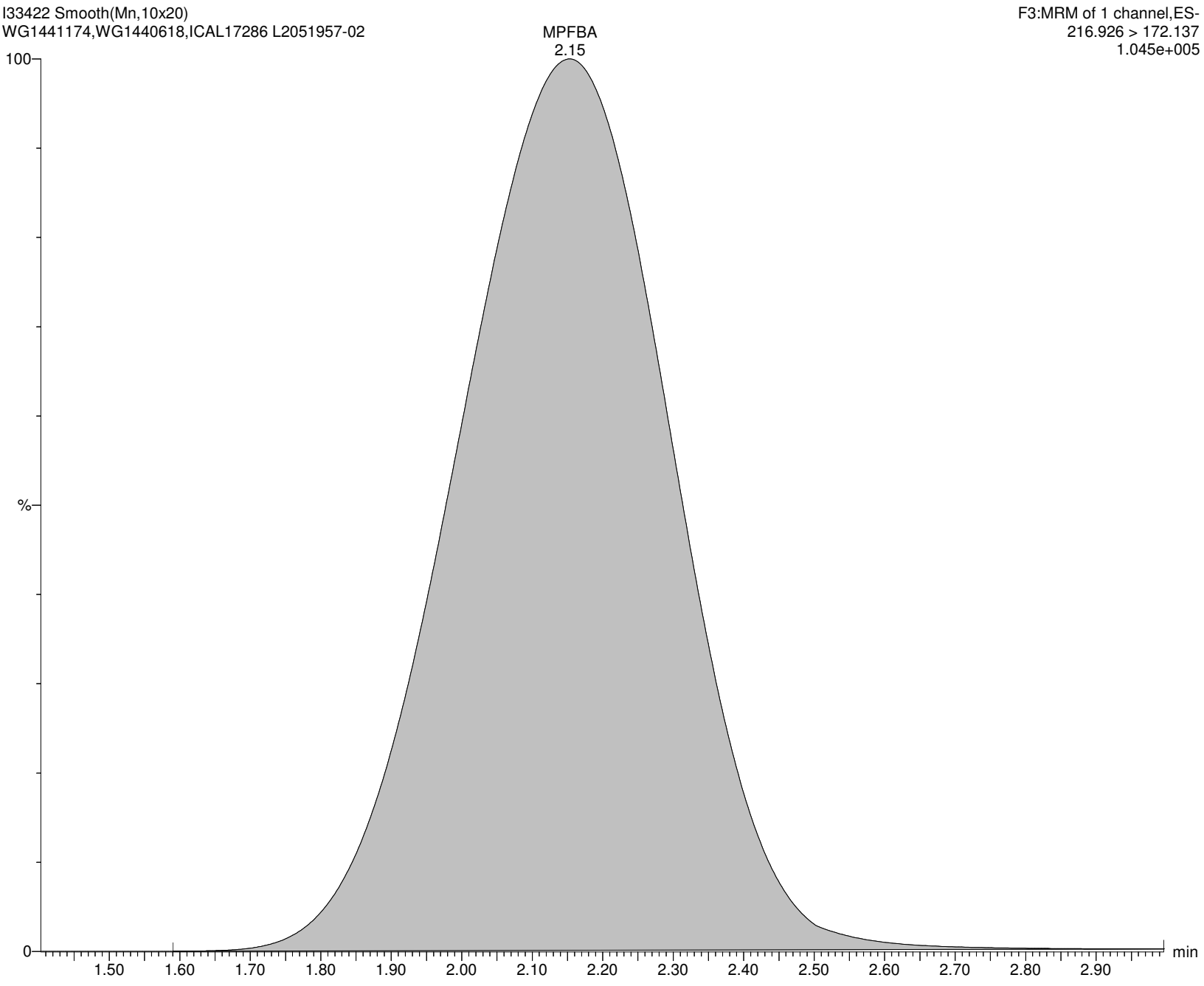

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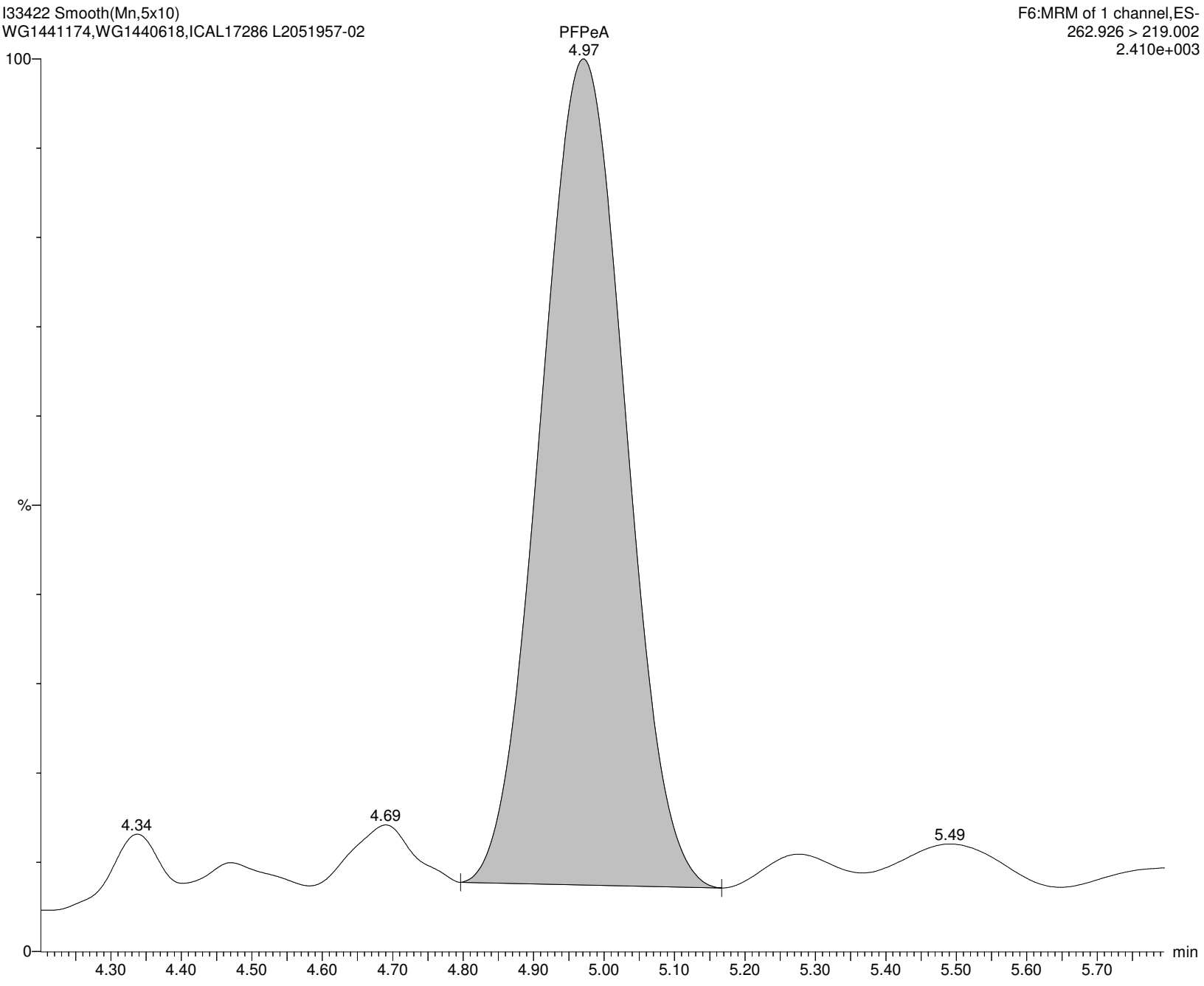
PFPeA



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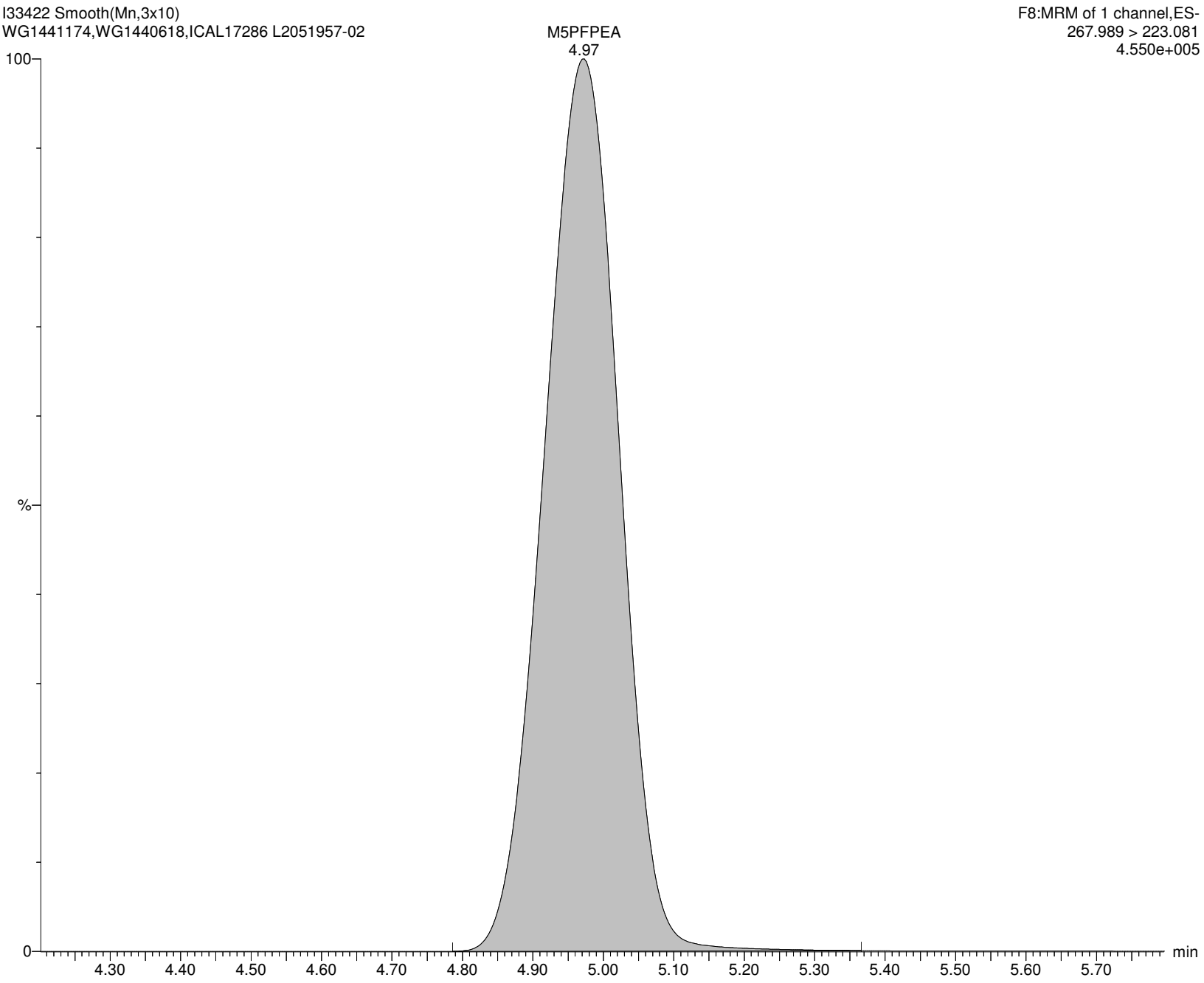

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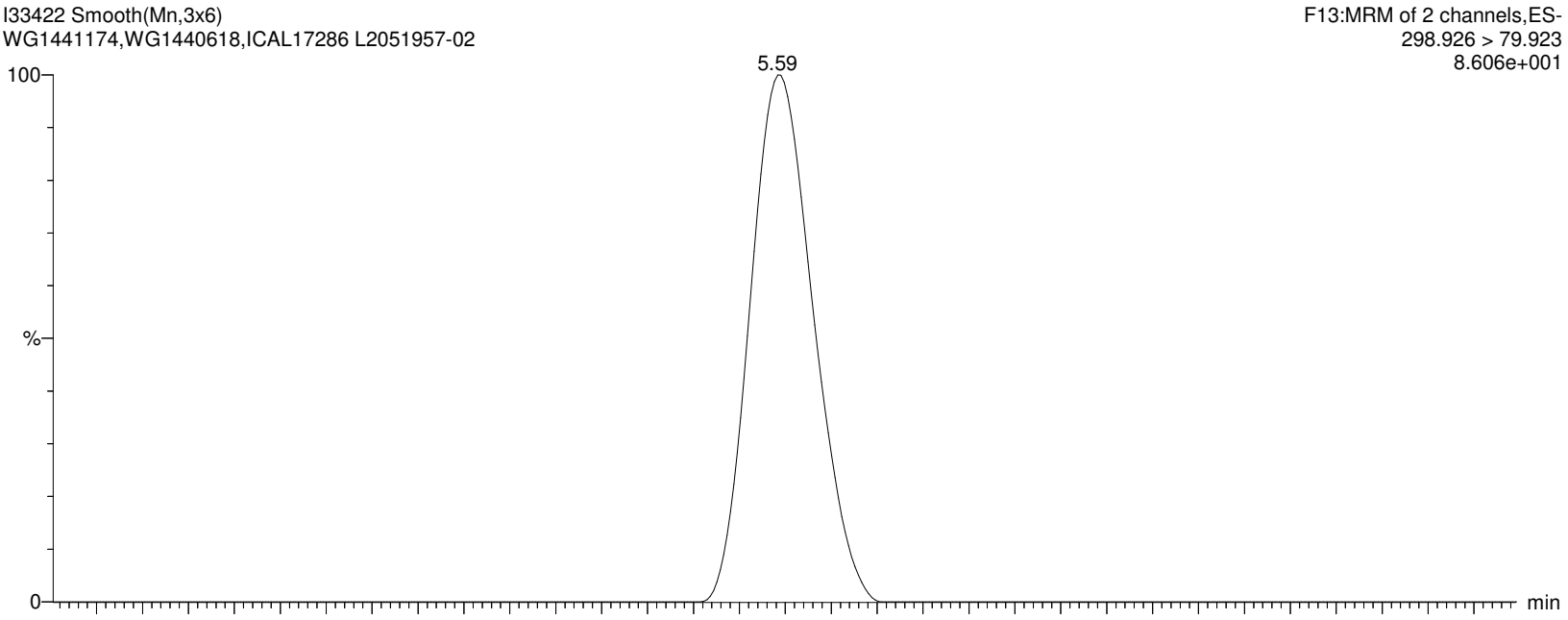
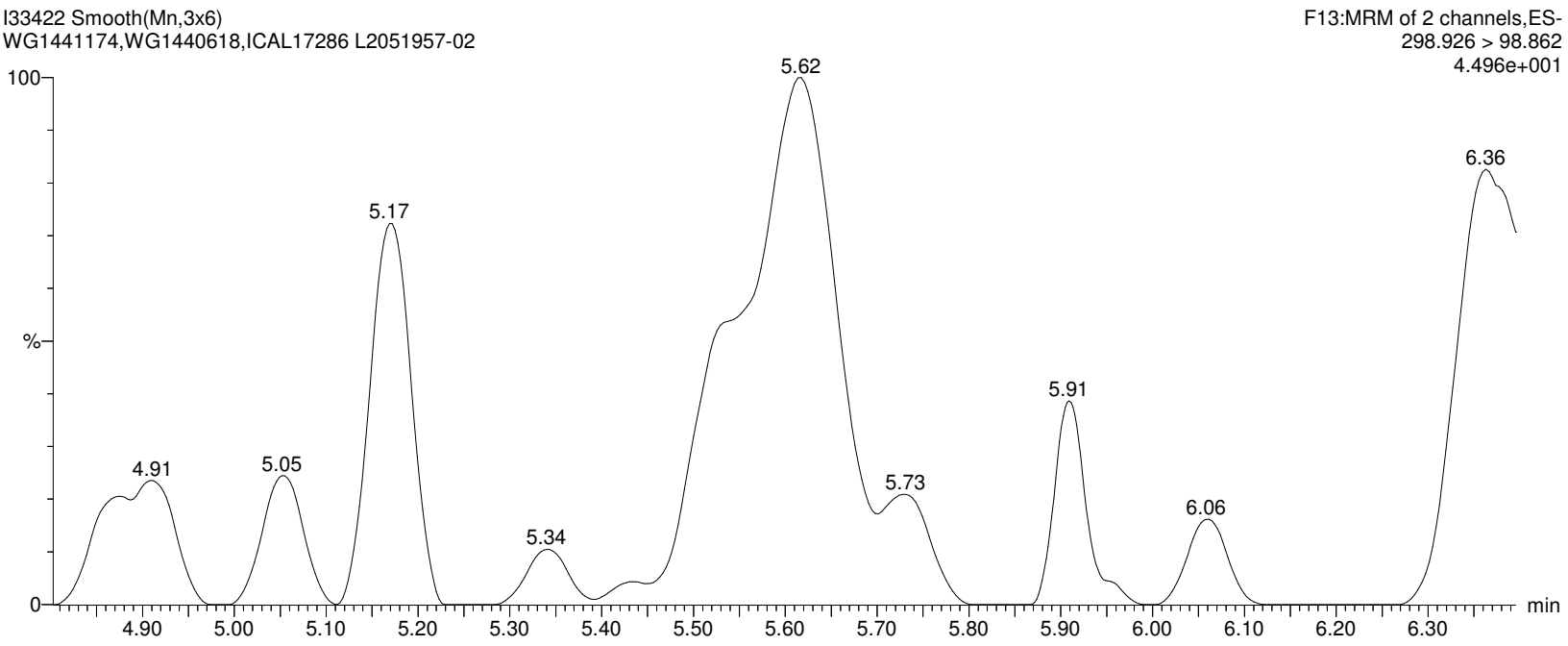
PFBS





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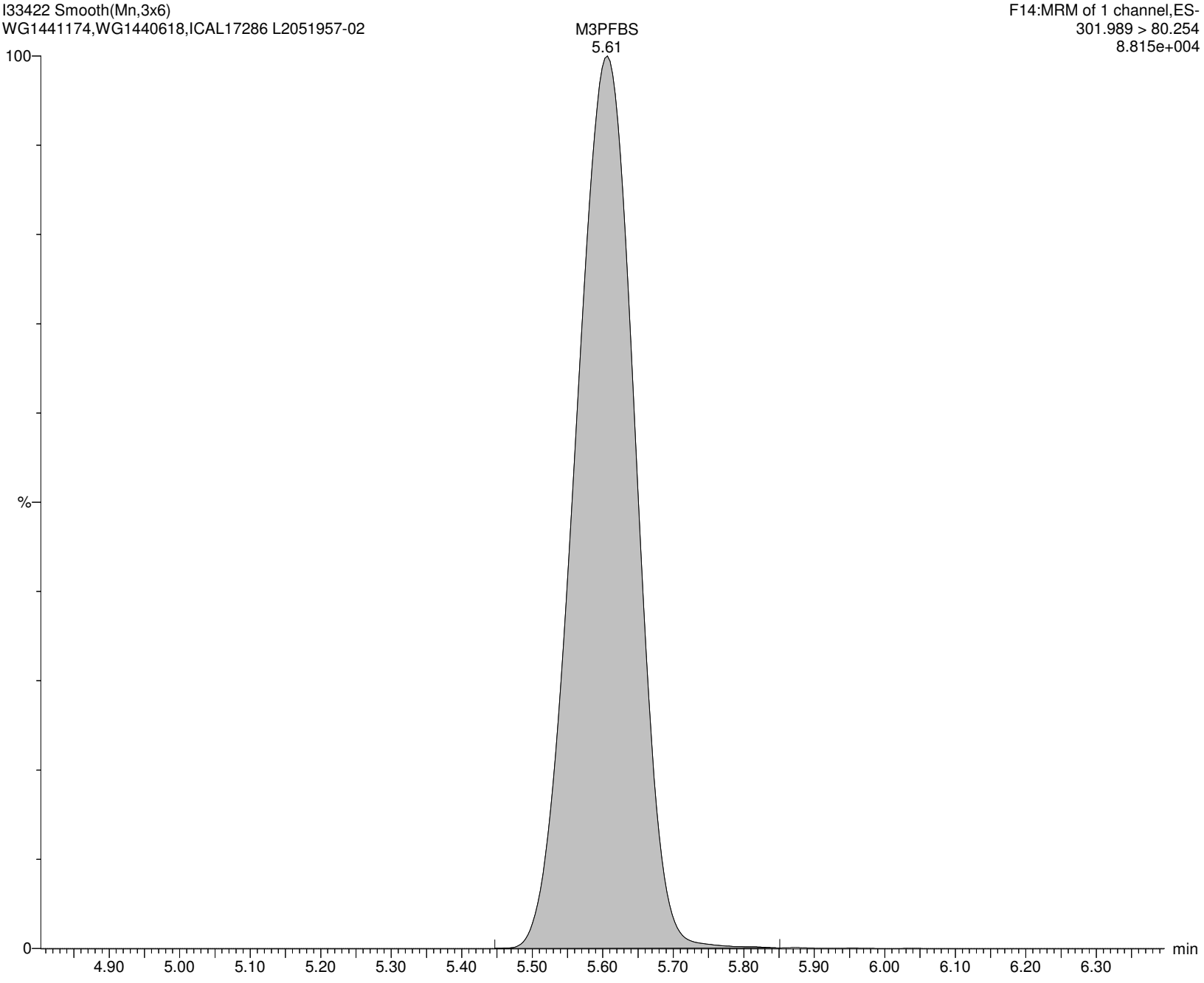
MS Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

M3PFBS



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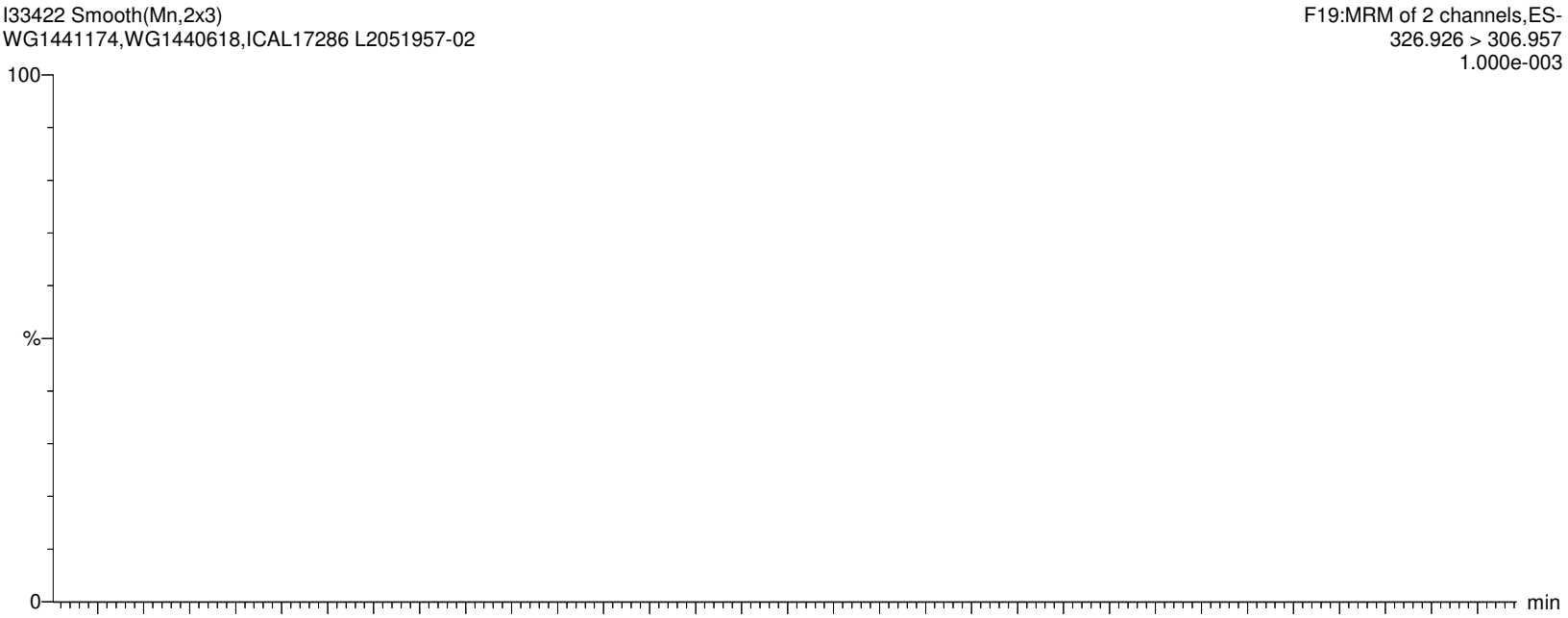
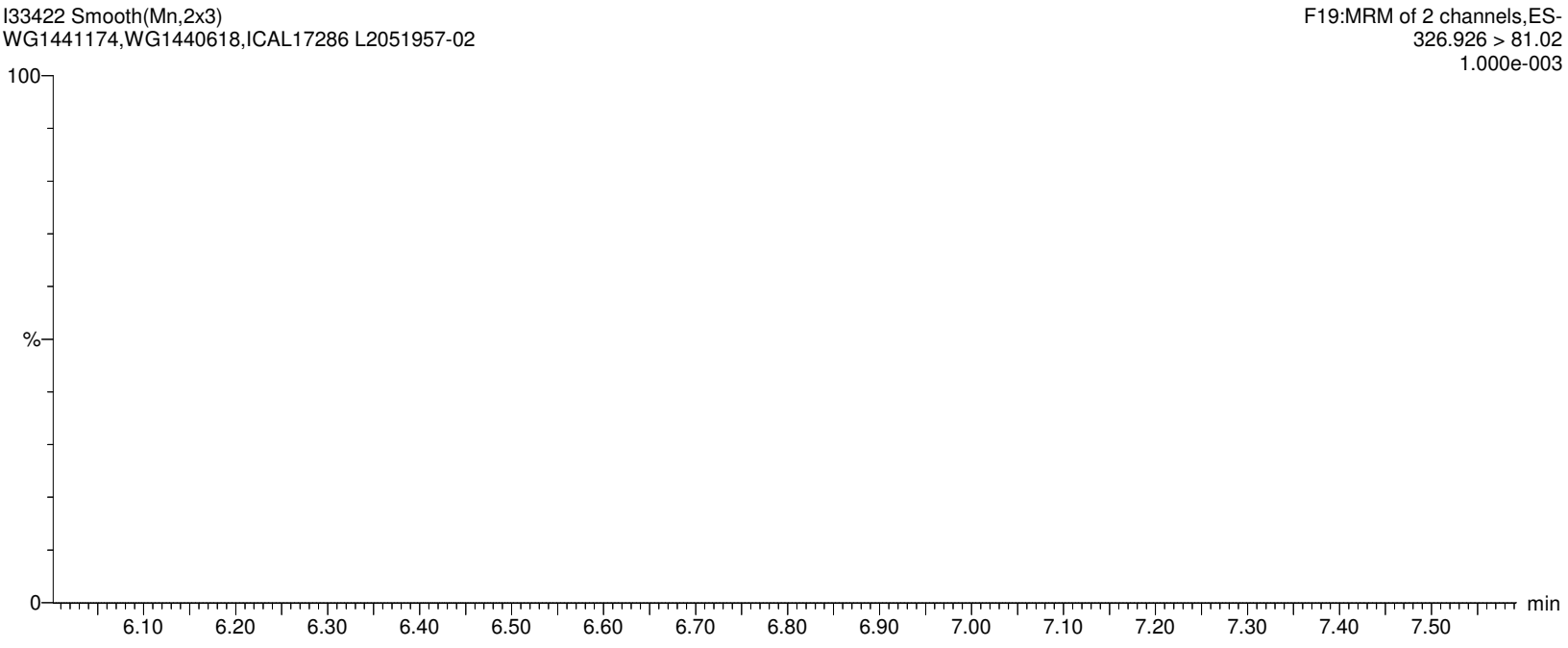
MS Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

4:2FTS





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Alpha Analytical Inc.
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Last Altered: Sunday, December 06, 2020 22:56:32 Eastern Standard Time
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Name: I33422
ID: L2051957-02
Date: 04-Dec-2020
Time: 17:35:13
Description: WG1441174,WG1440618,ICAL17286
User: LCMS02:JW
Vial: 1:D,4
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
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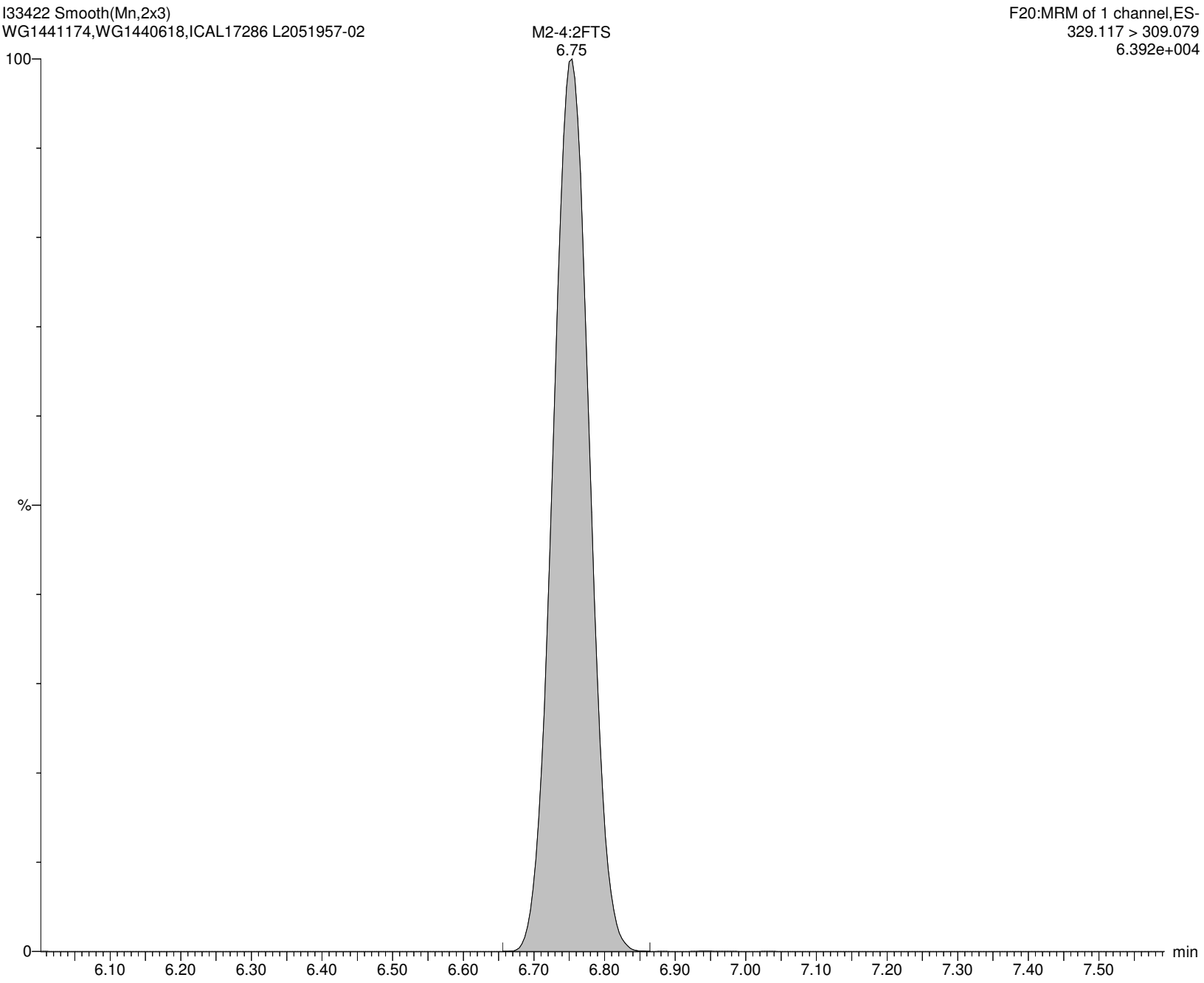

all concentration units in (ng/mL)

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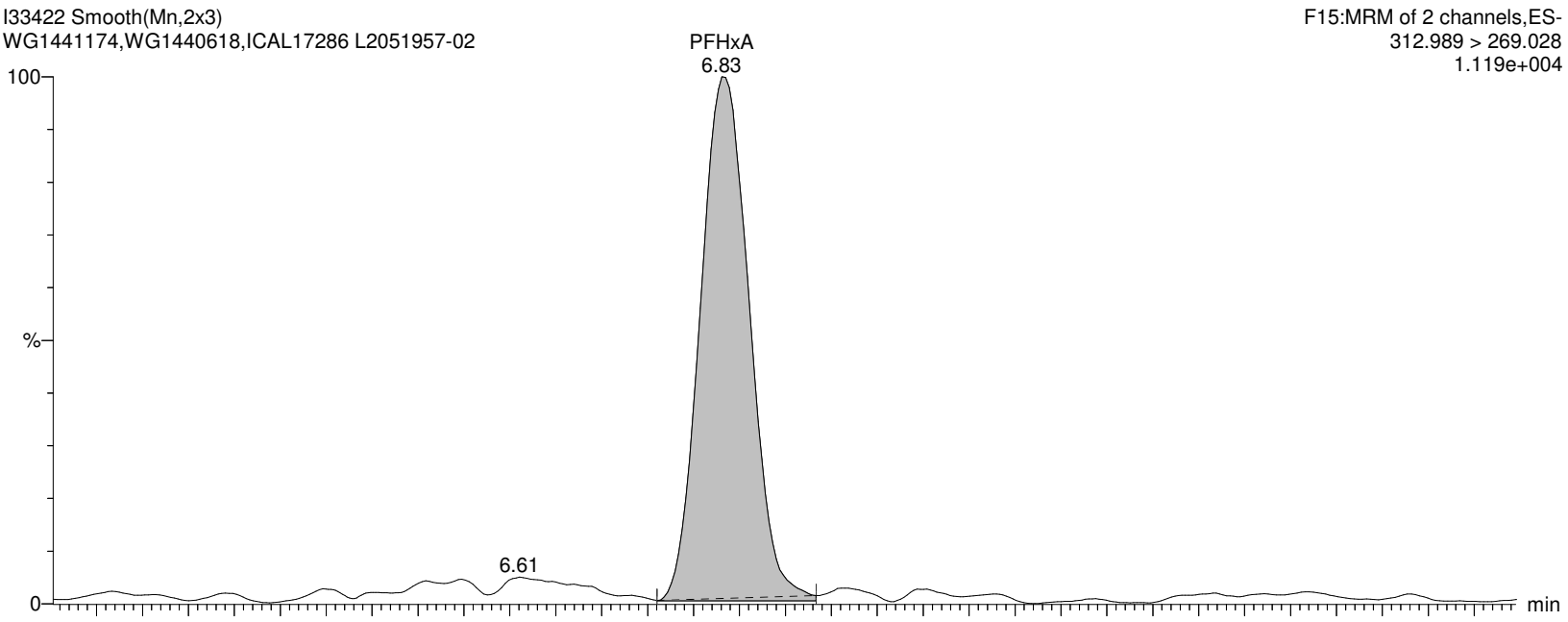

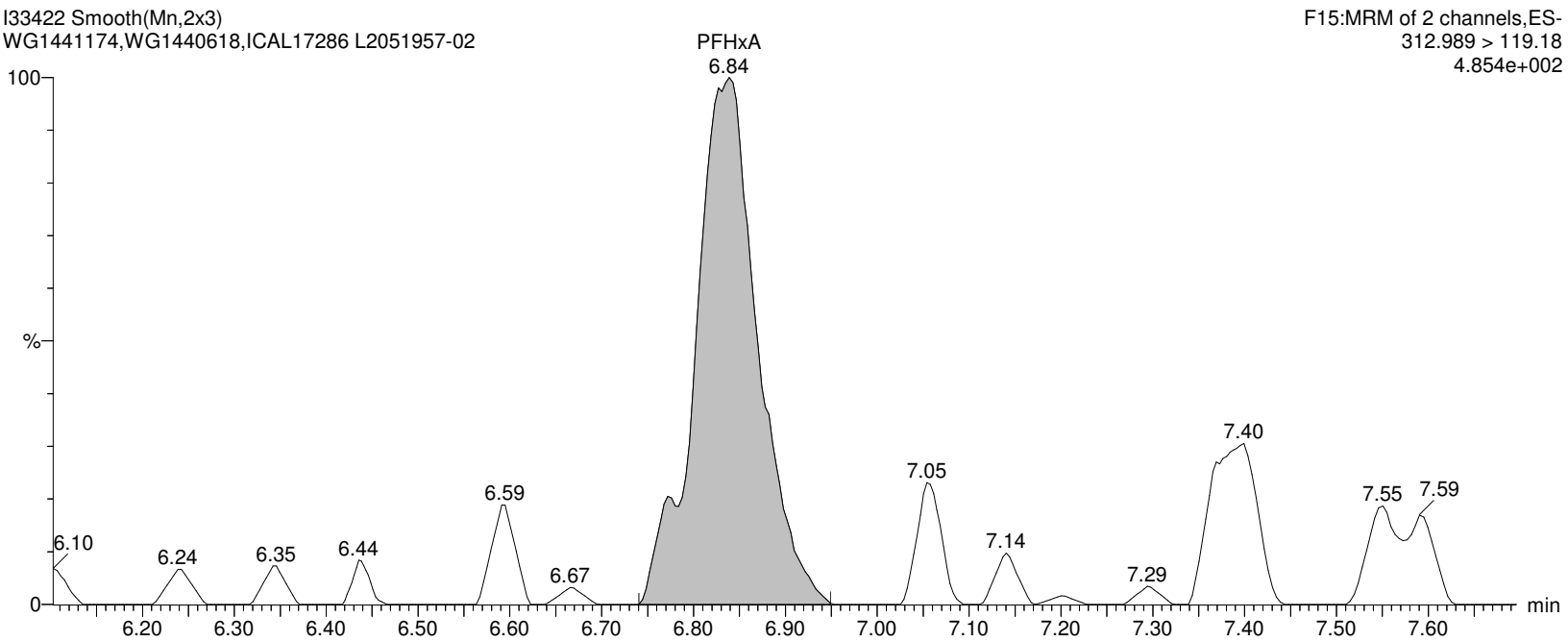

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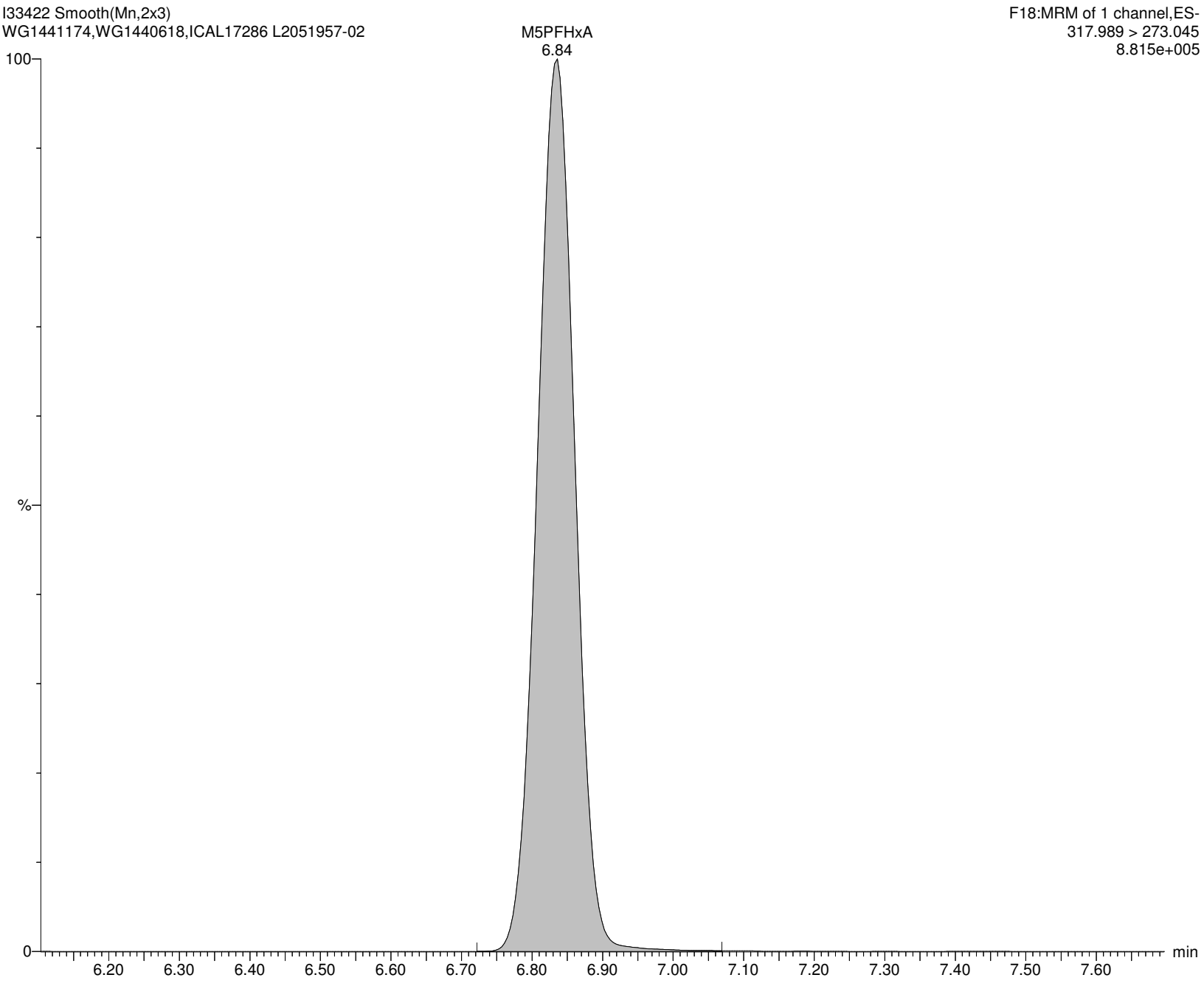

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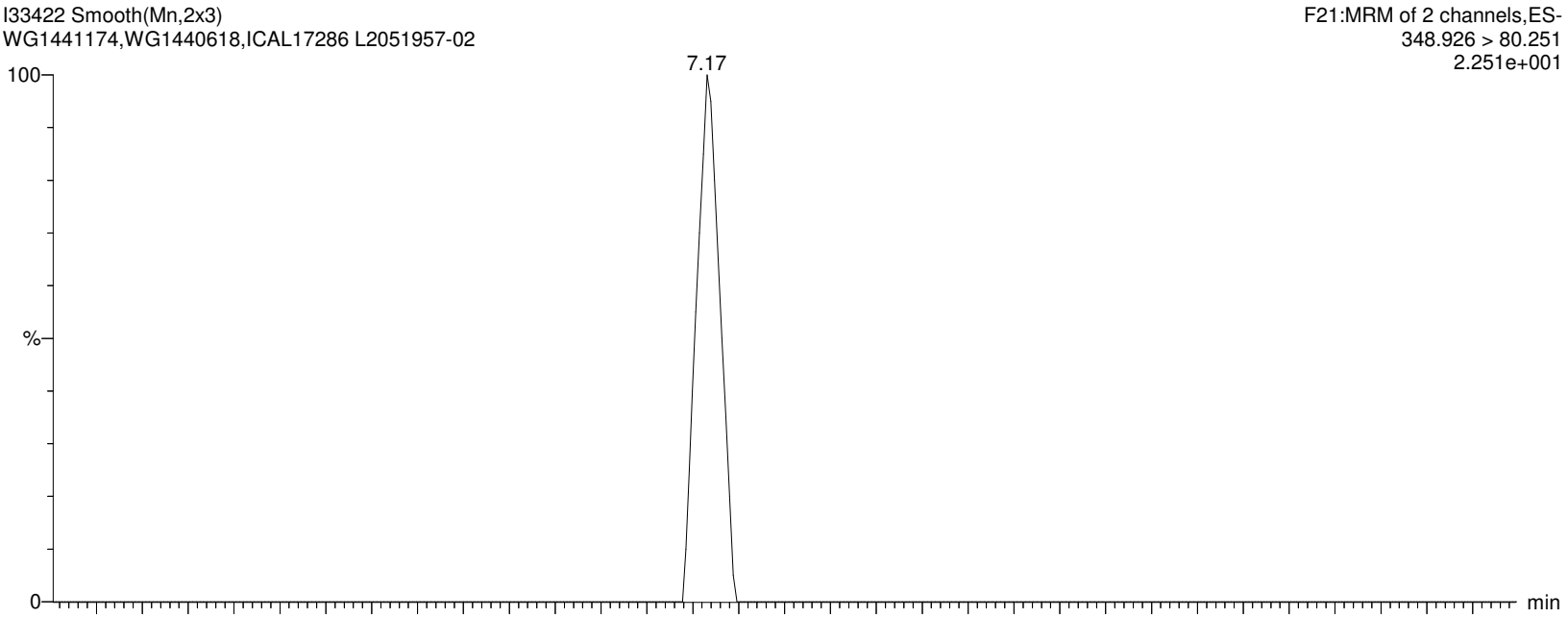

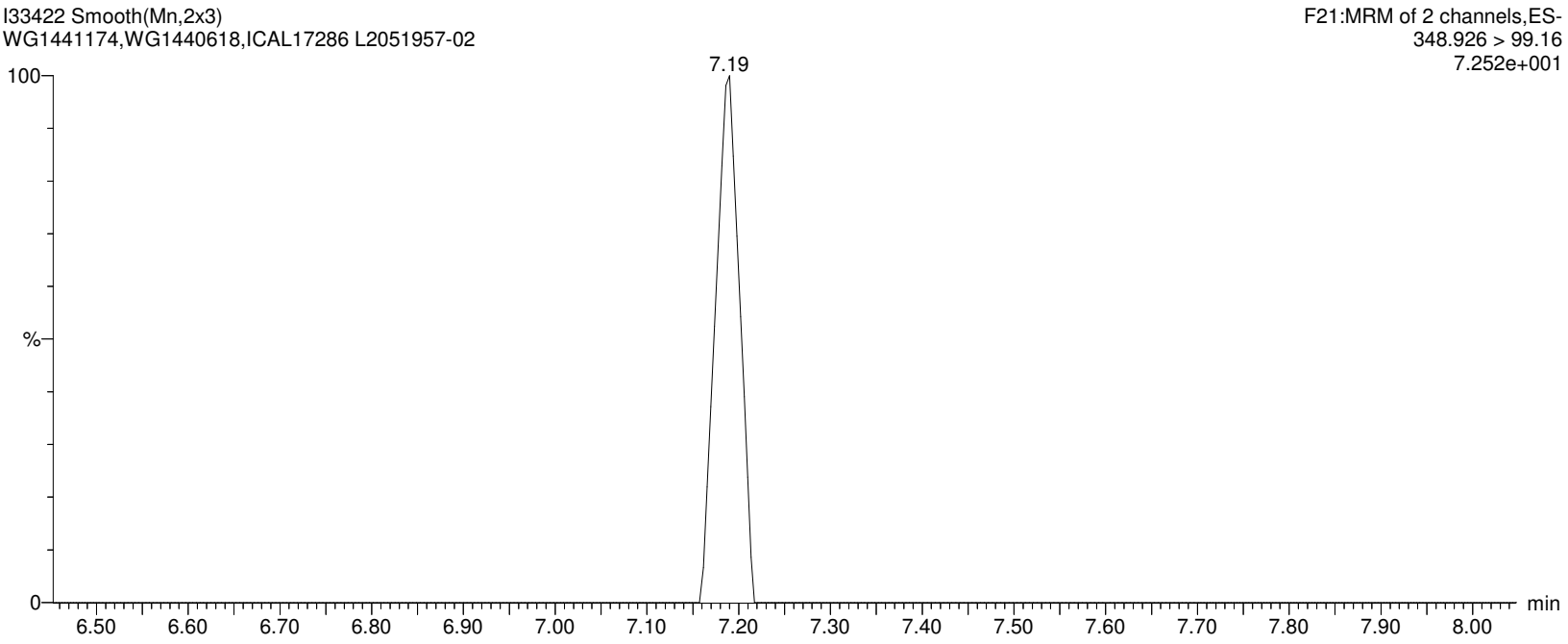

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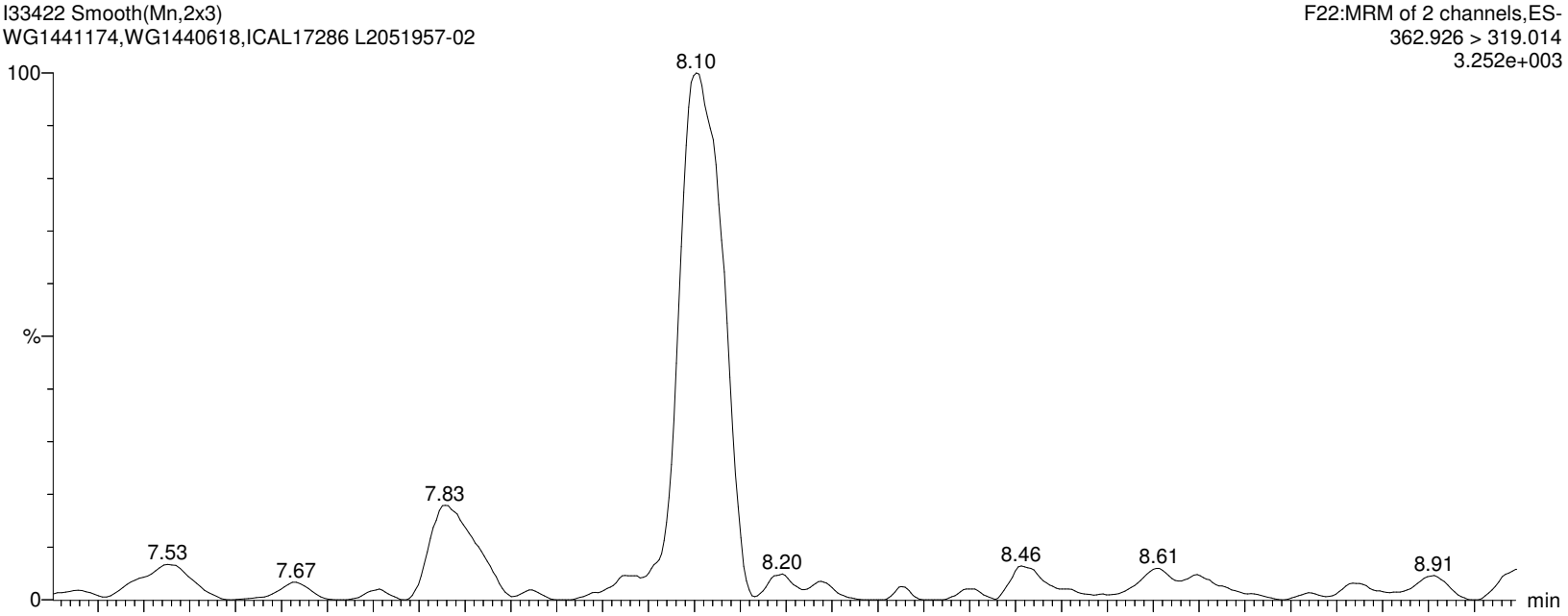

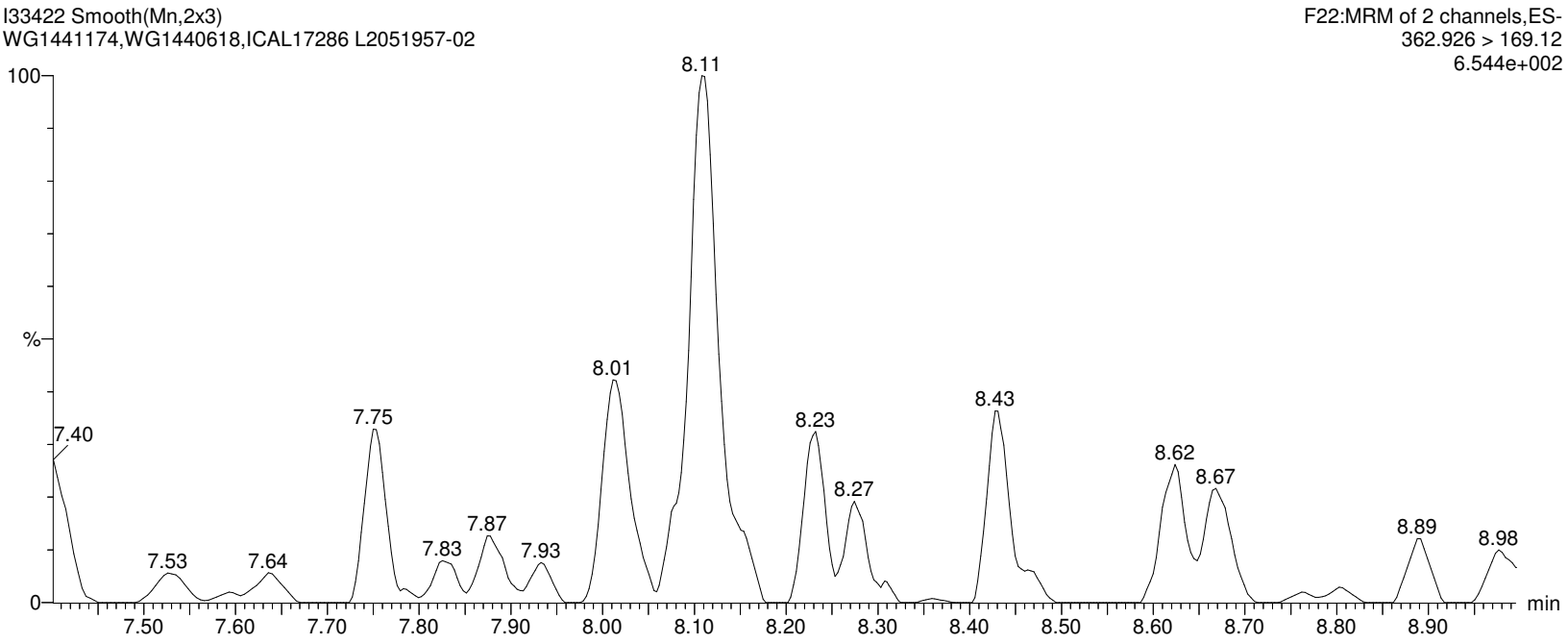

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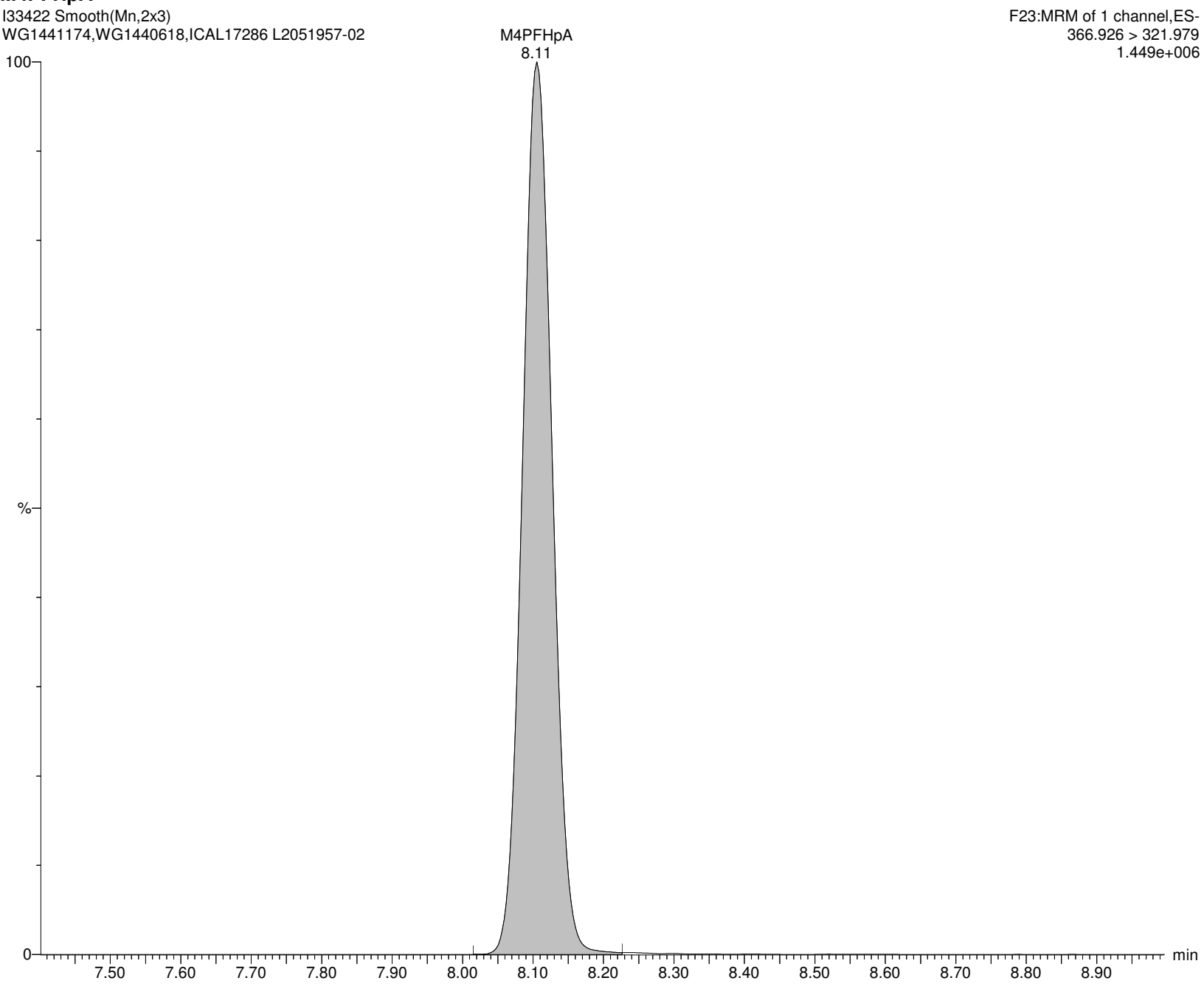

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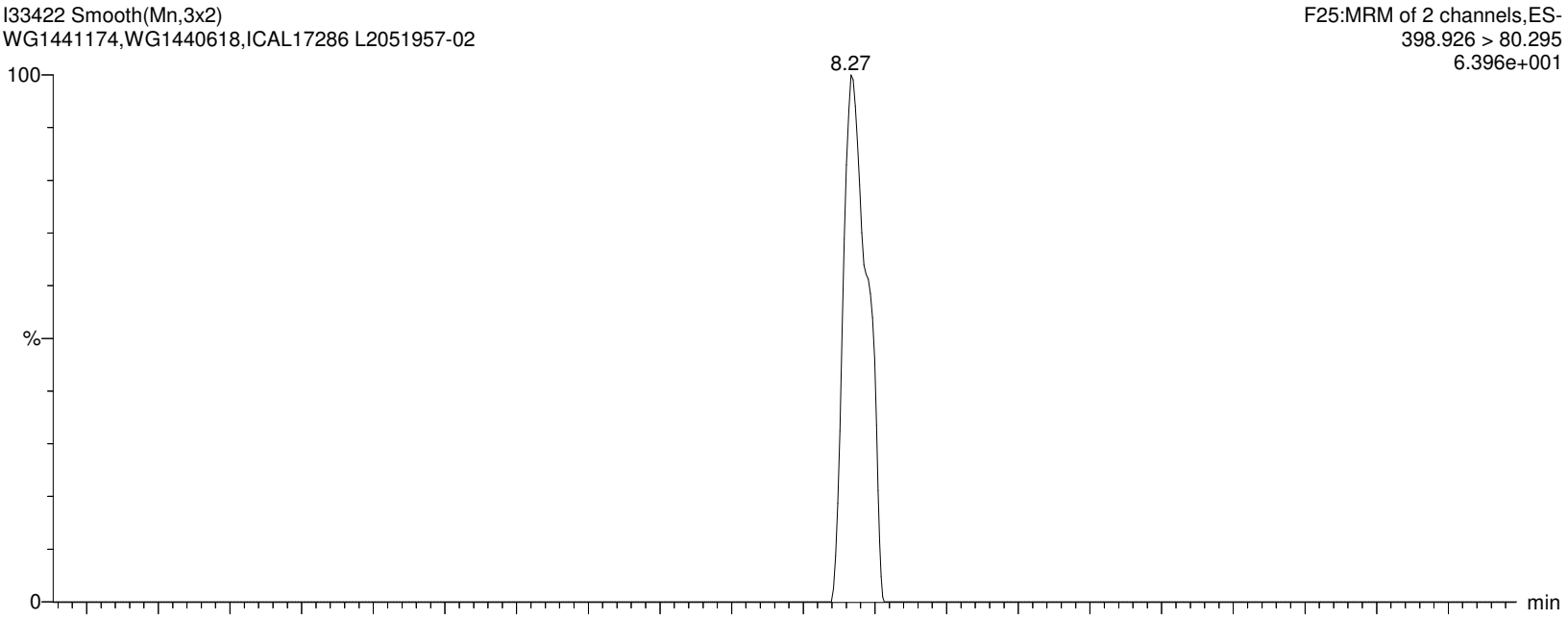

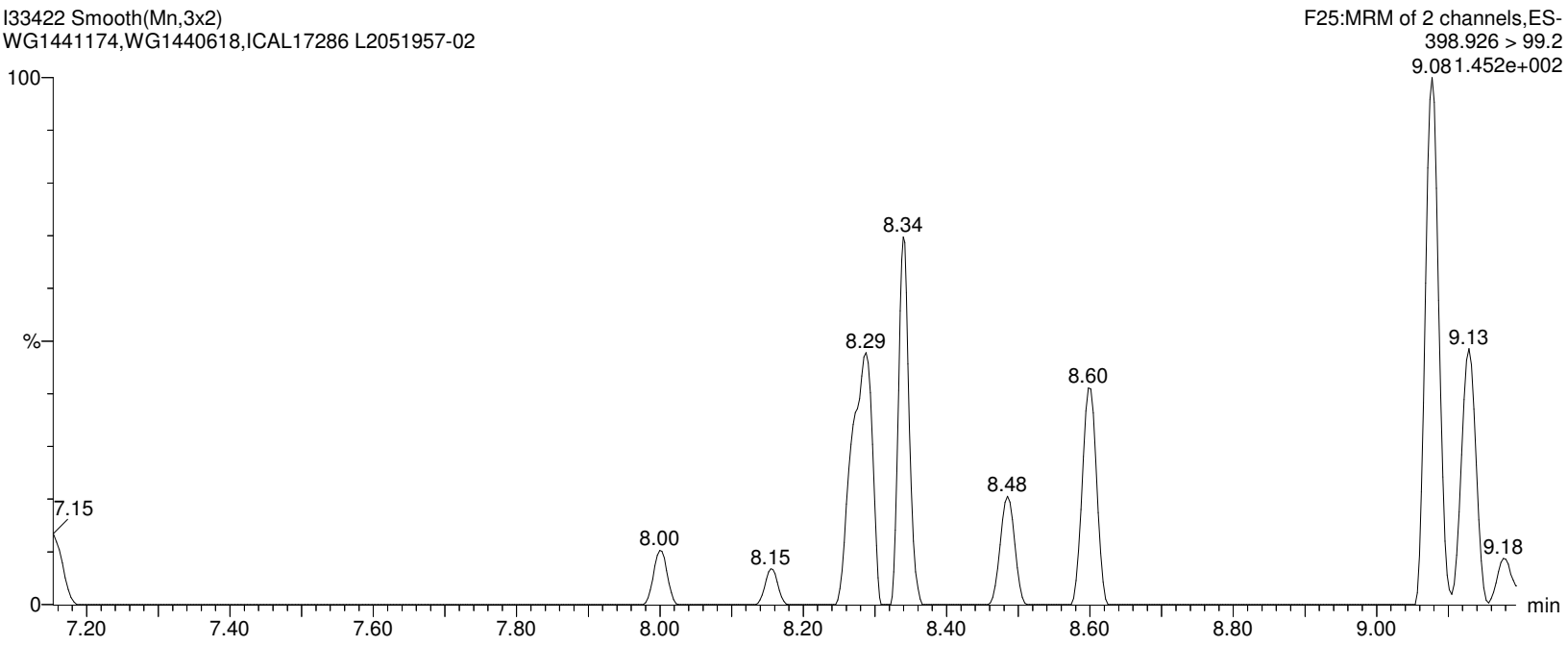

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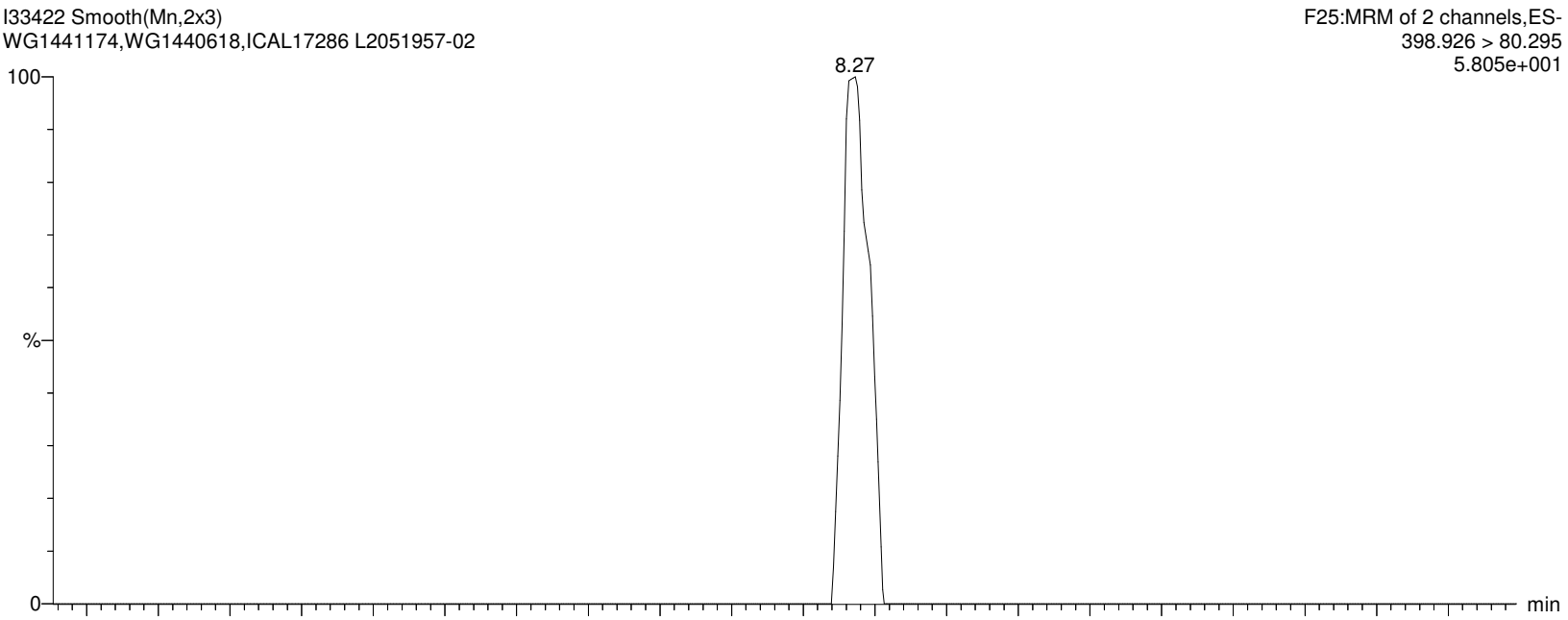

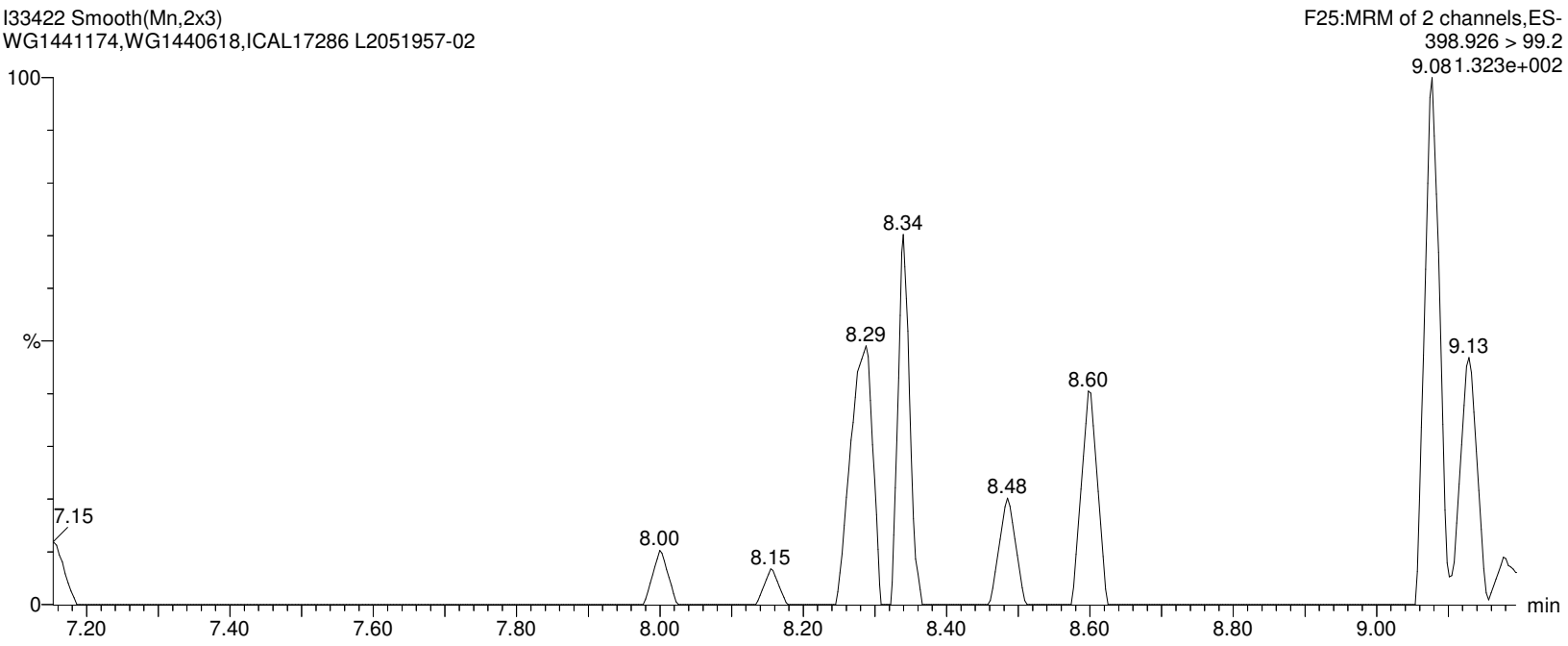

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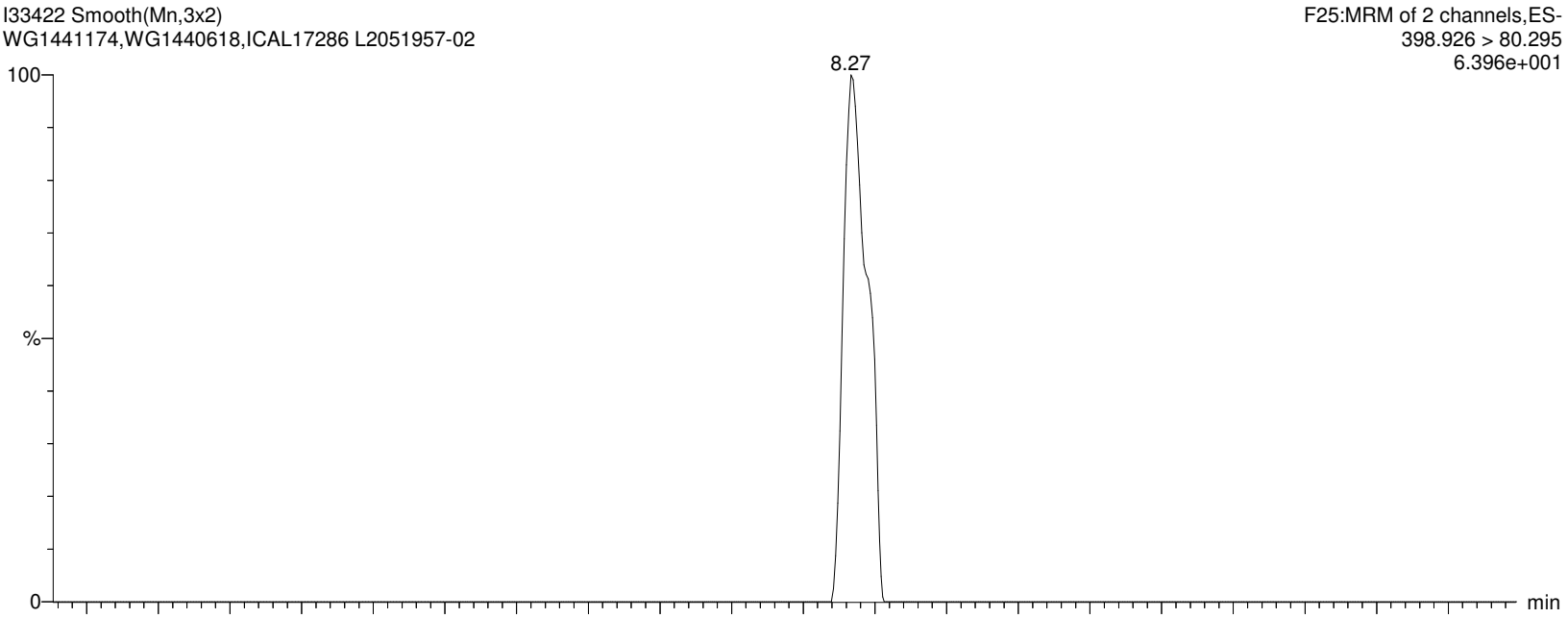

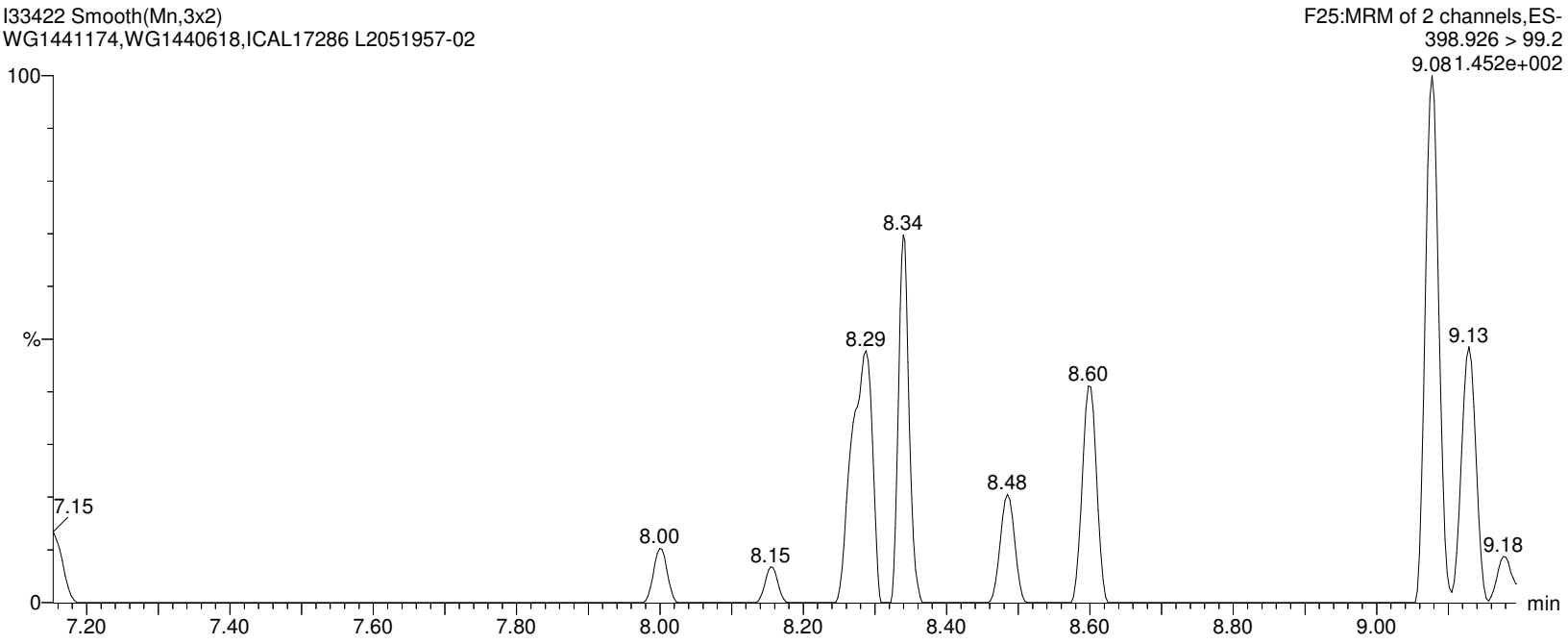

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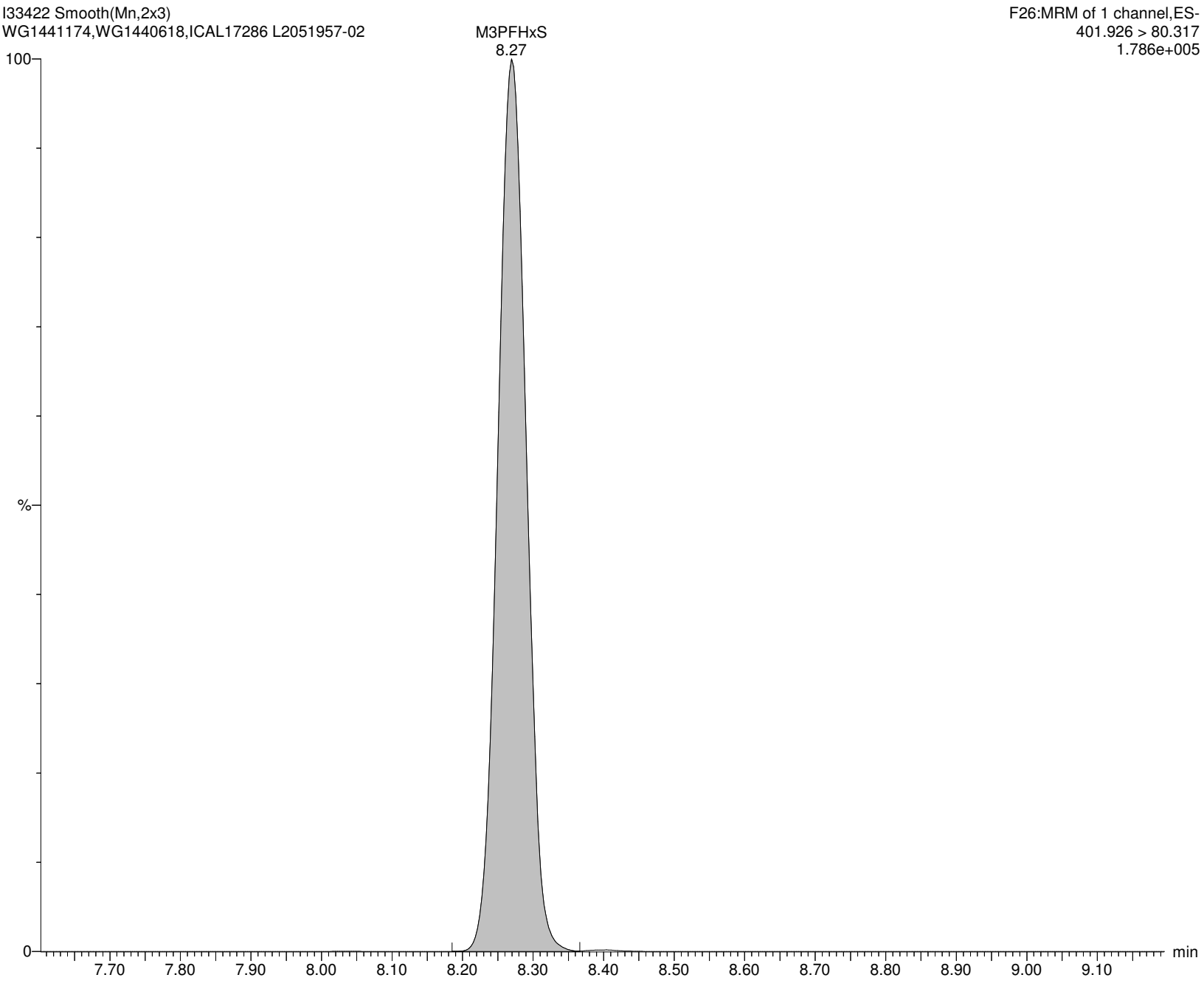

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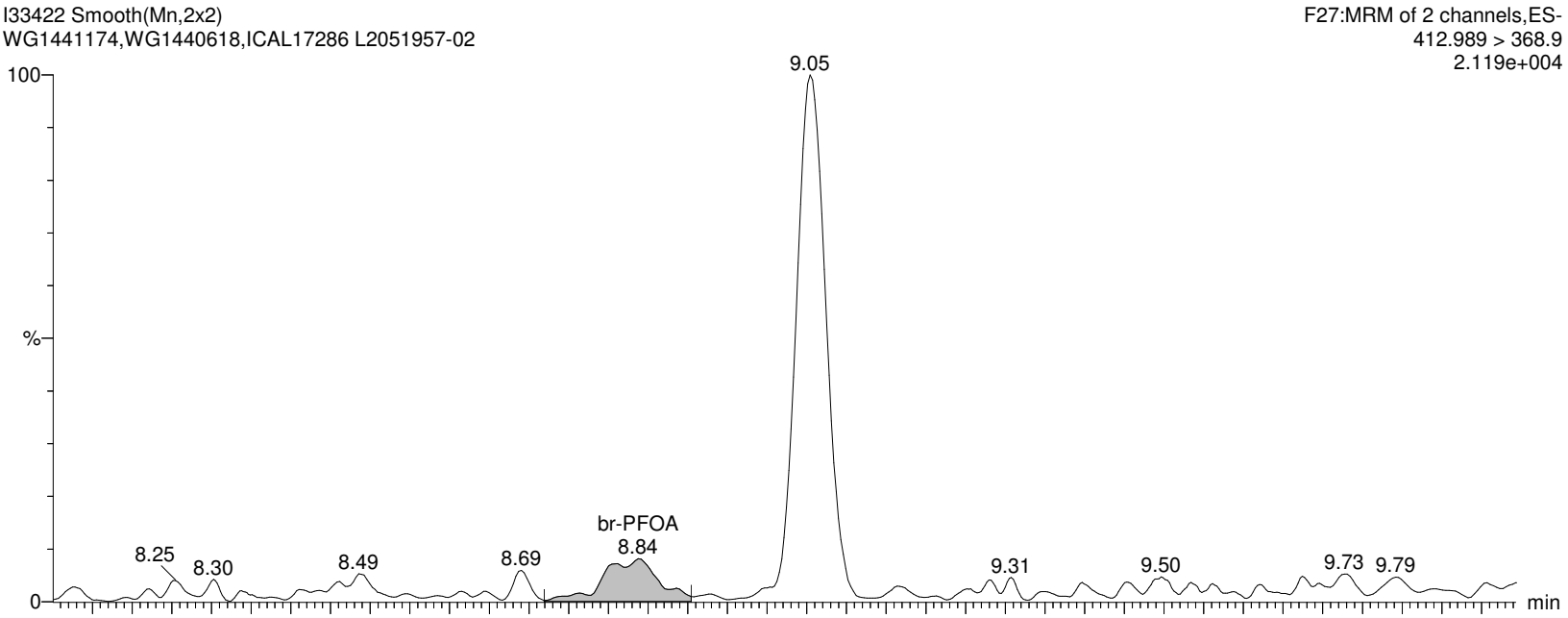

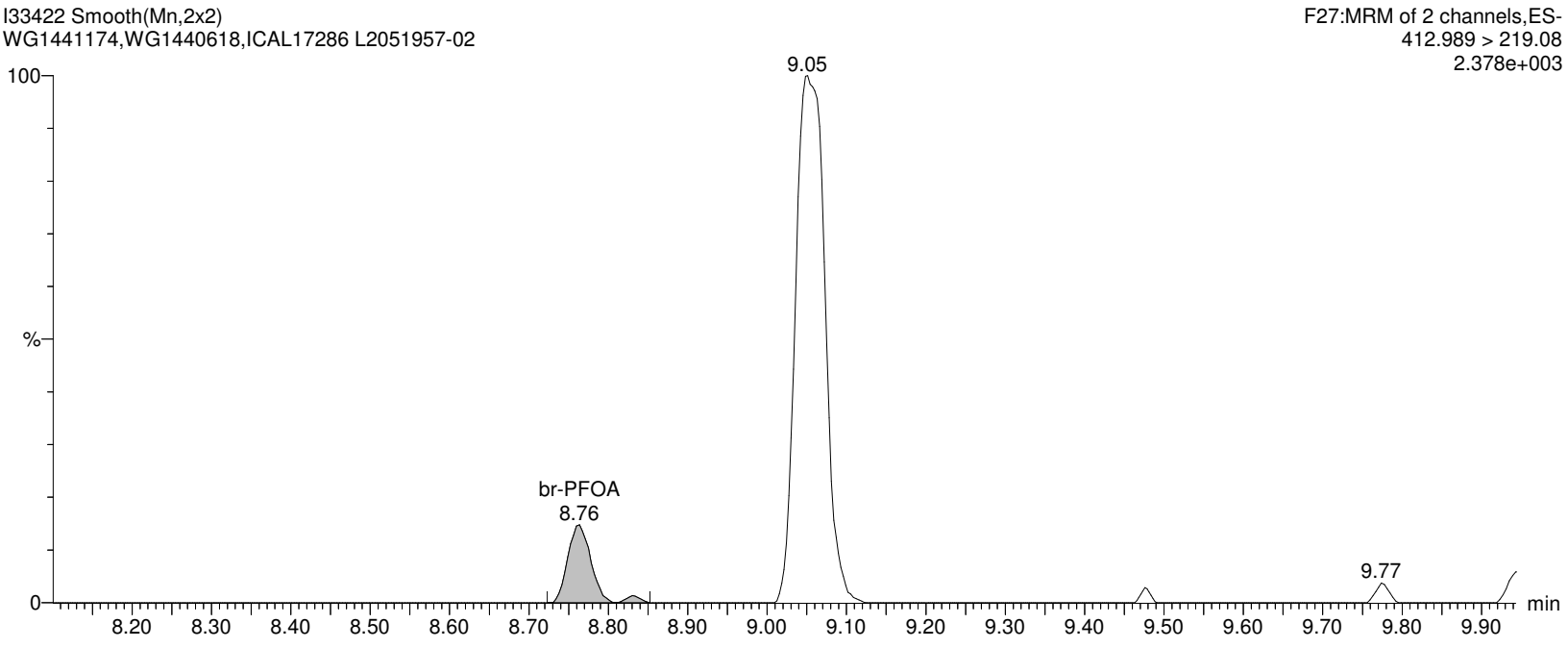

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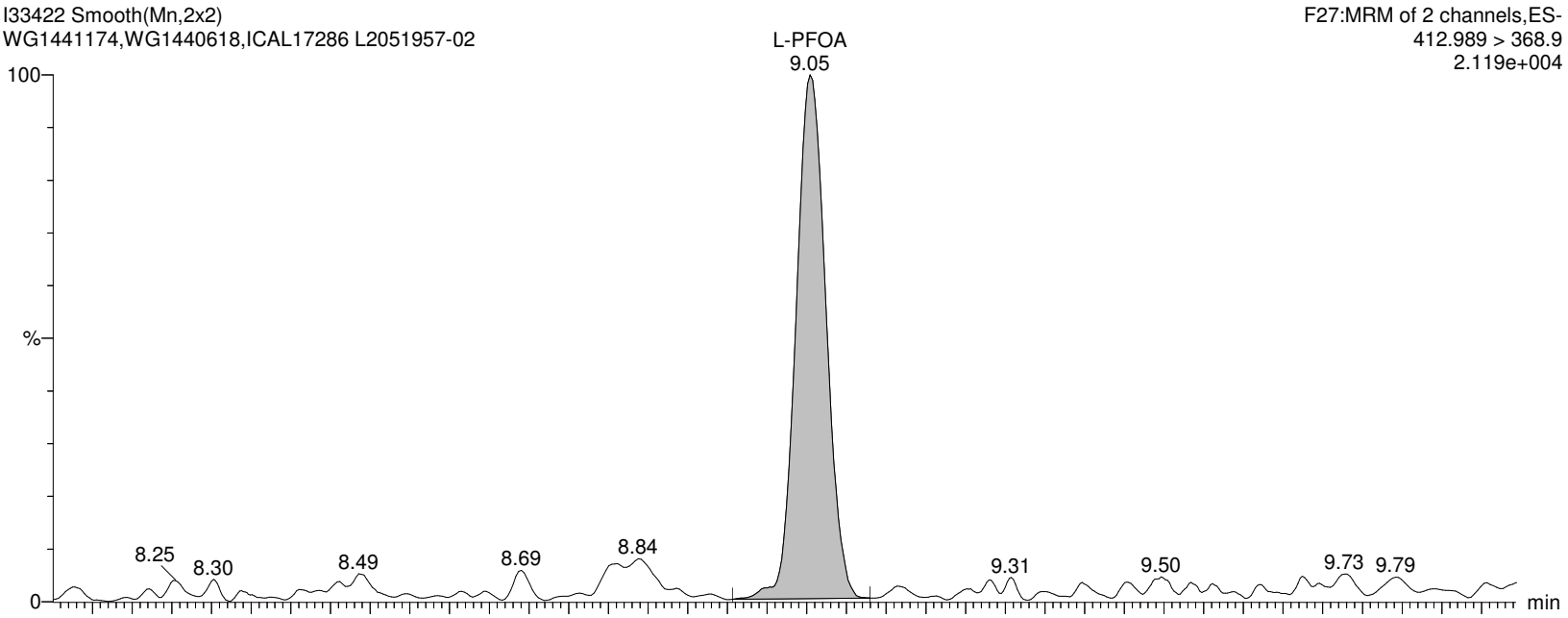

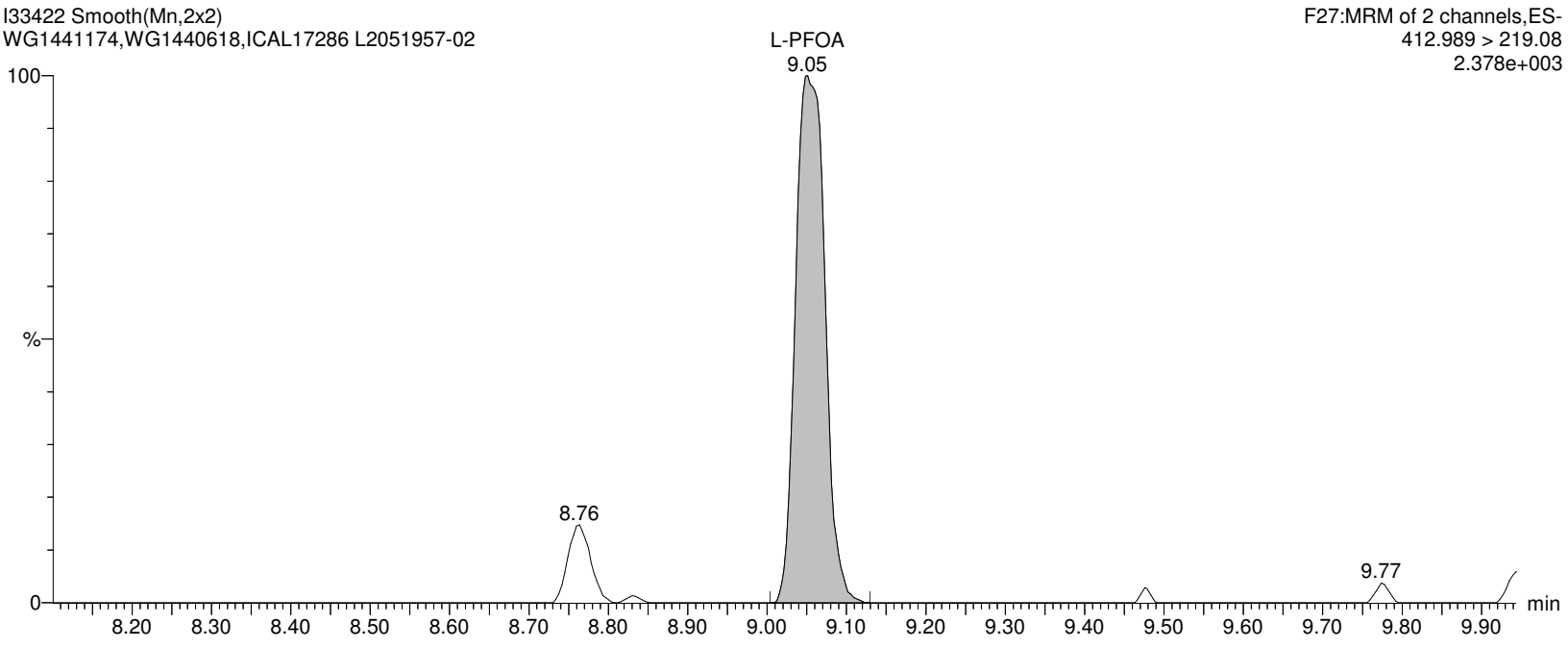

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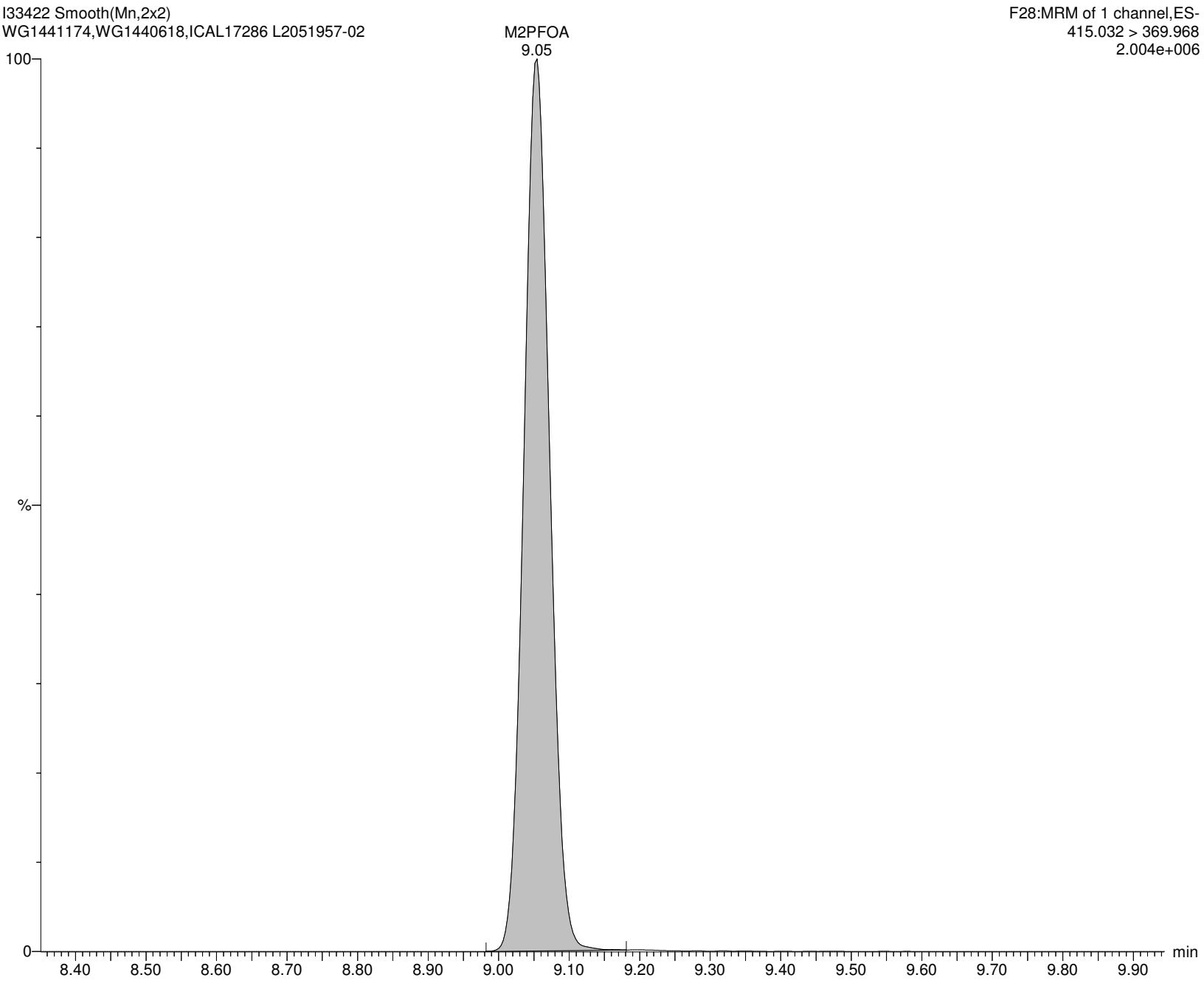

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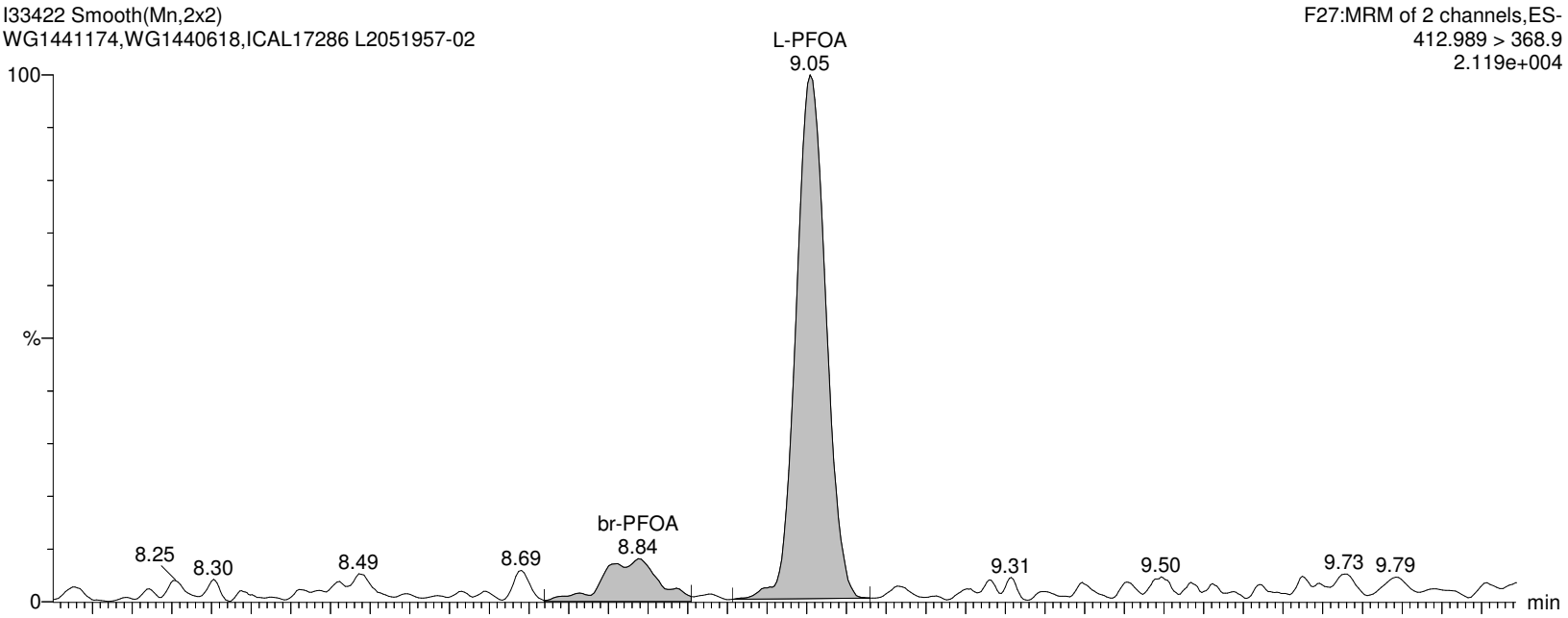

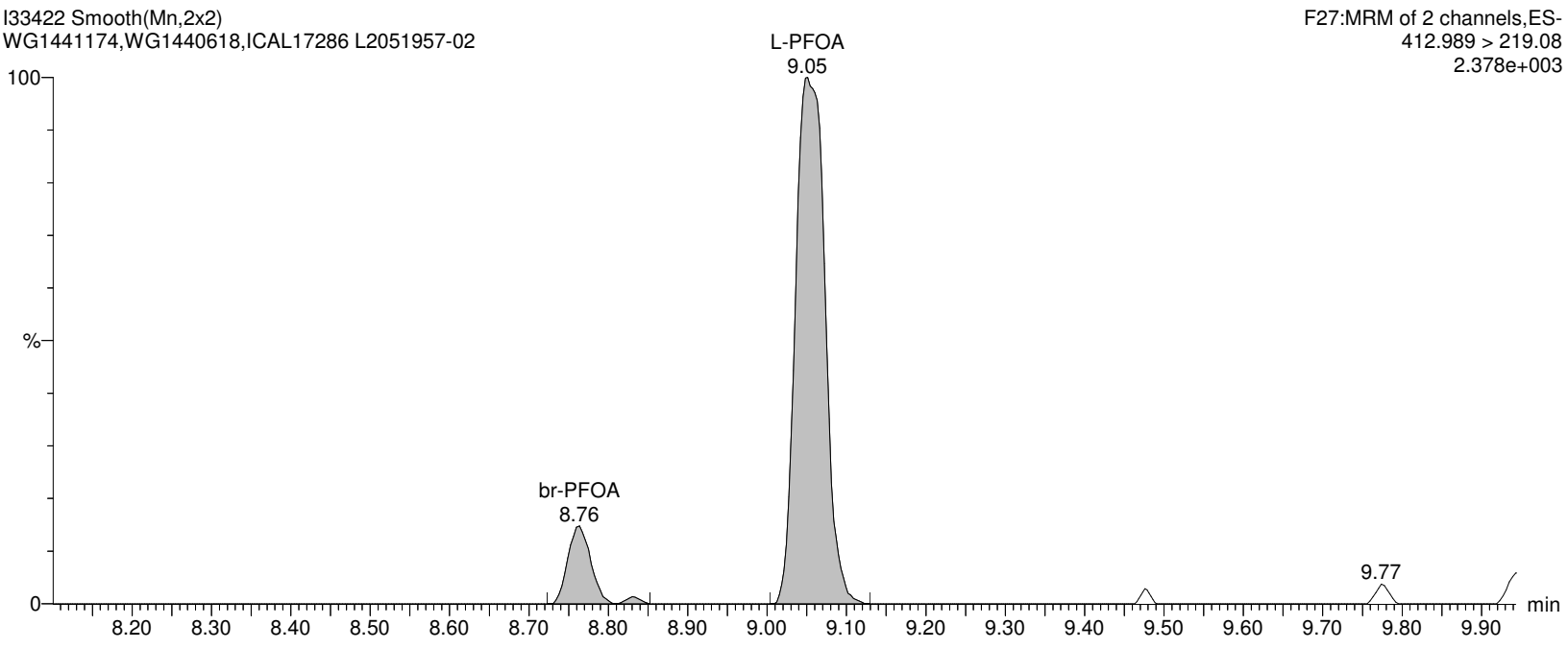

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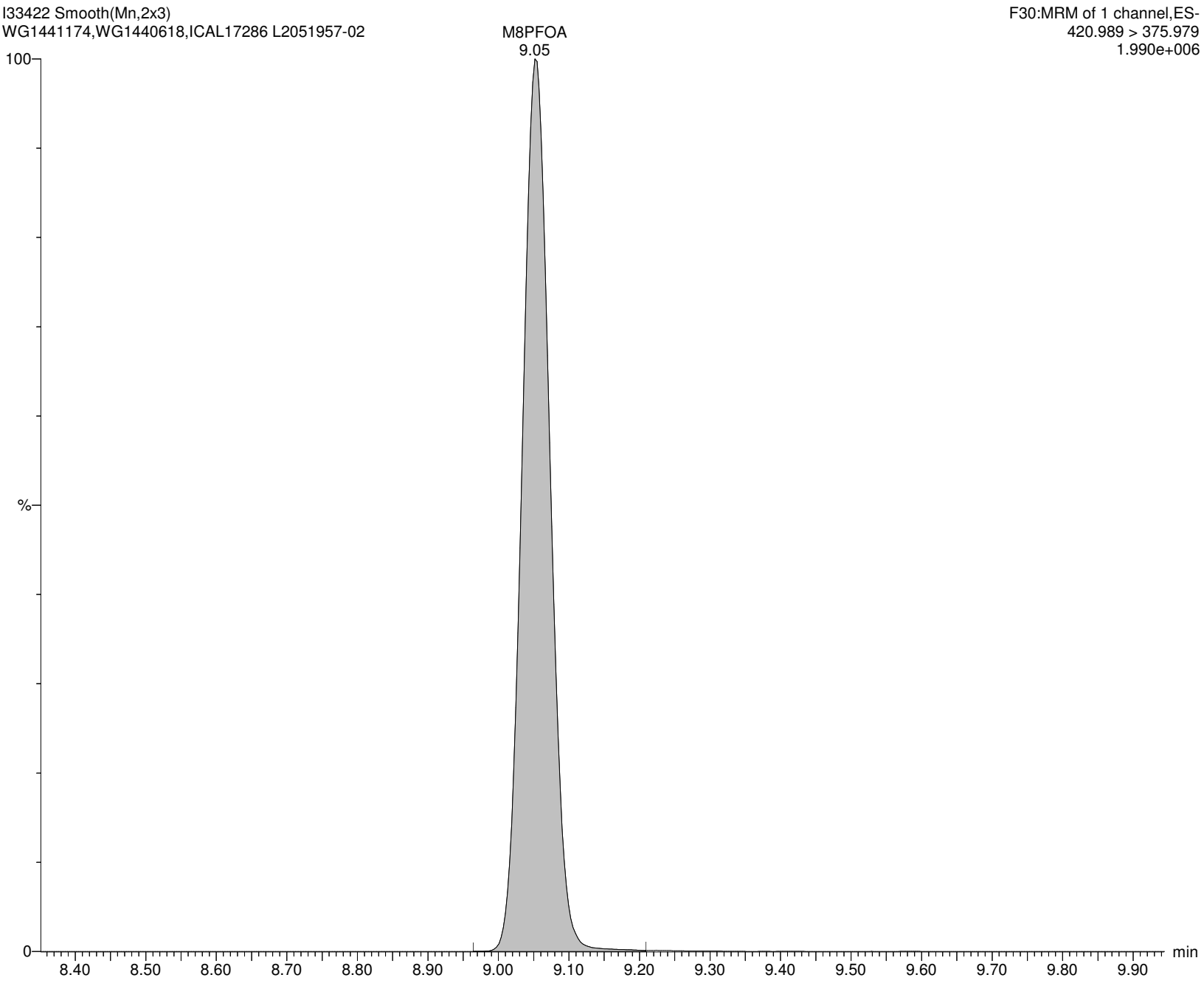

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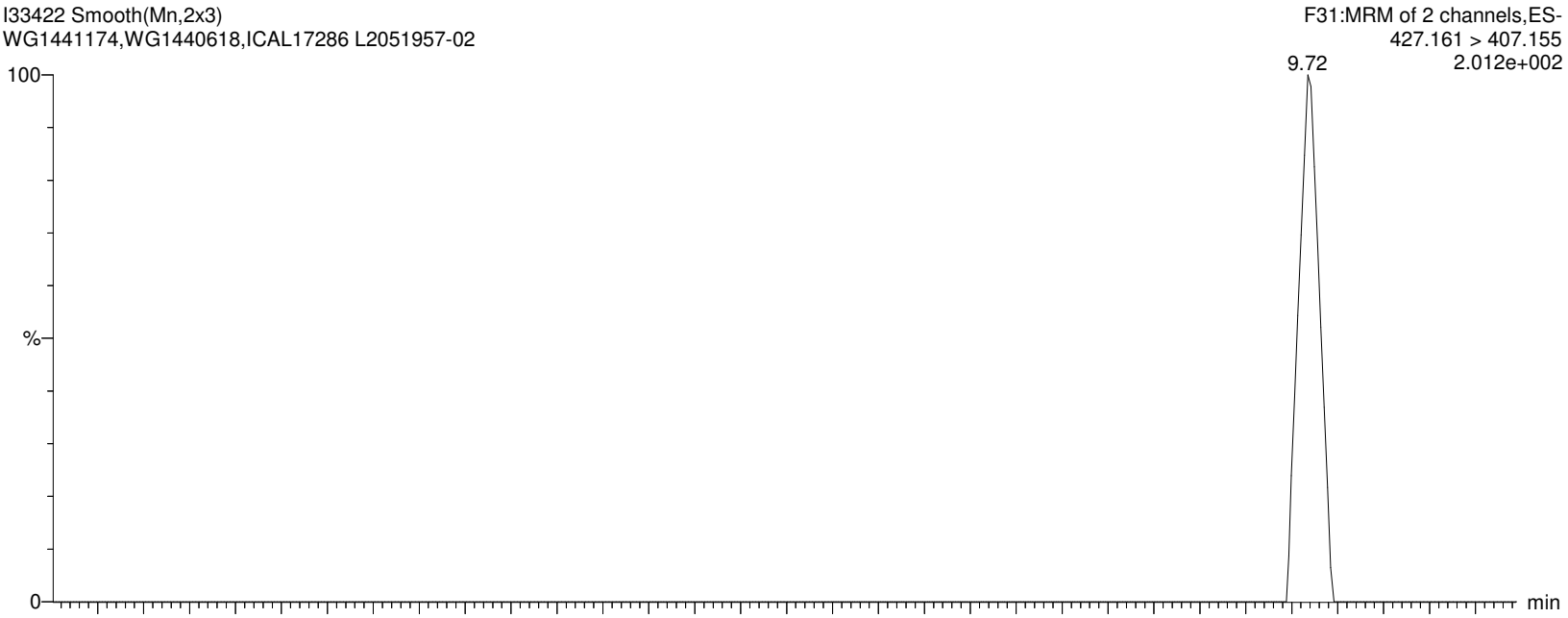

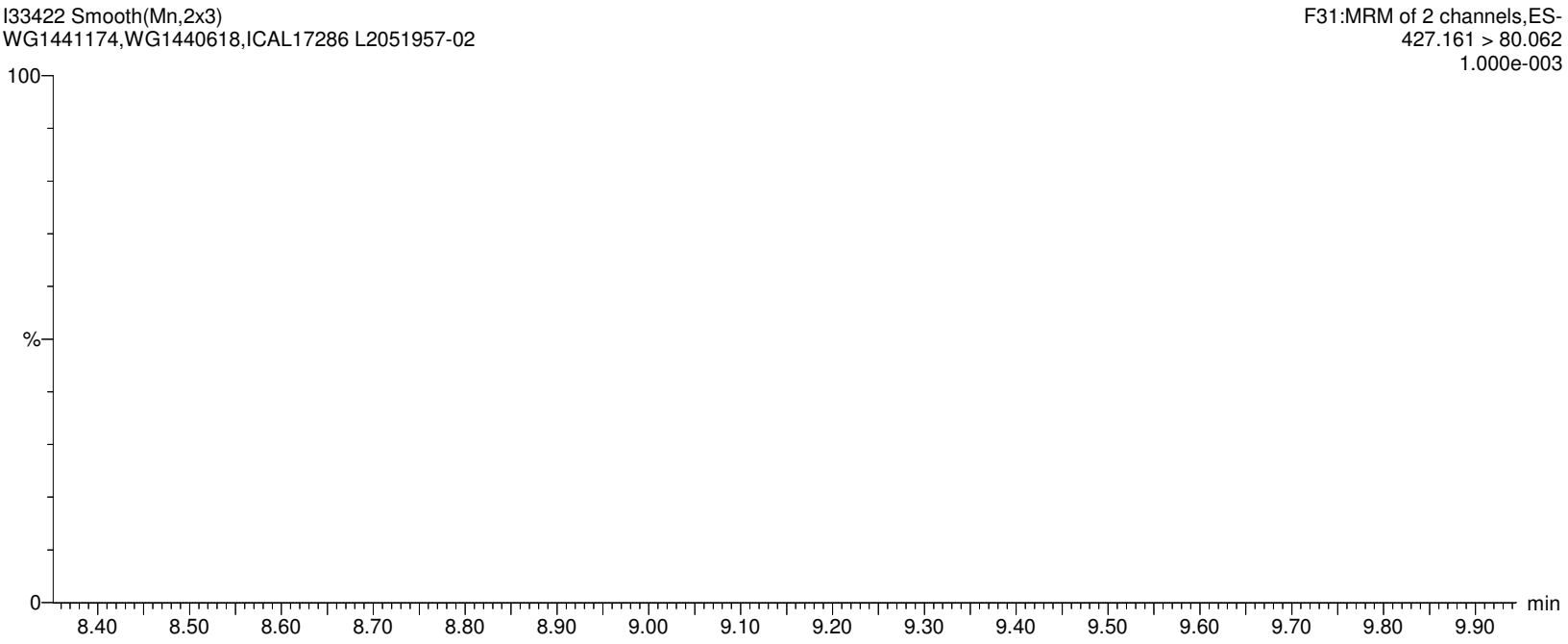

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
Last Altered: Sunday, December 06, 2020 22:56:32 Eastern Standard Time
Printed: Sunday, December 06, 2020 22:59:44 Eastern Standard Time

Name: I33422
ID: L2051957-02
Date: 04-Dec-2020
Time: 17:35:13
Description: WG1441174,WG1440618,ICAL17286
User: LCMS02:JW
Vial: 1:D,4
Instrument: XEVO-TQSmicro#QEB0050
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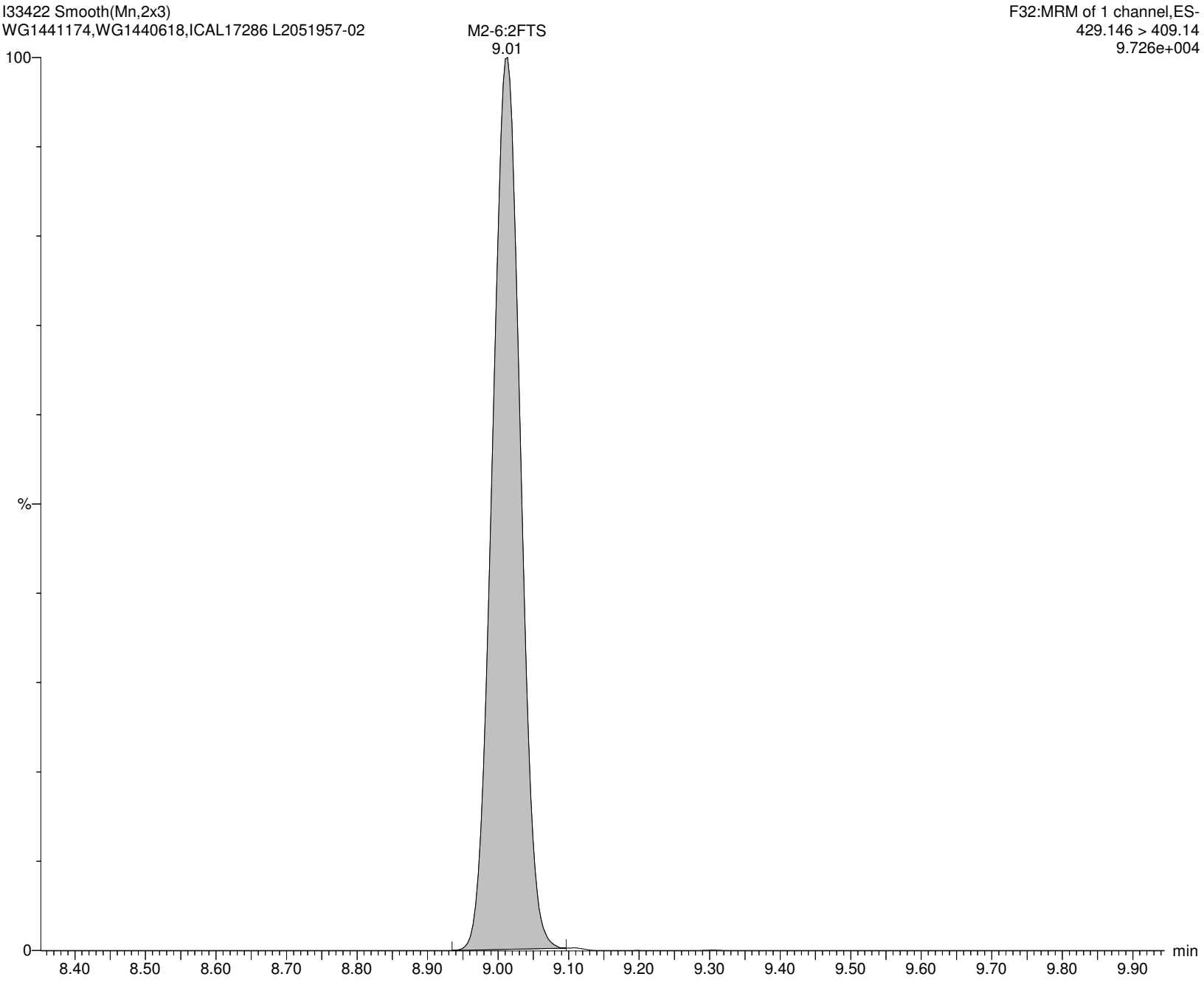
M2-6:2FTS



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
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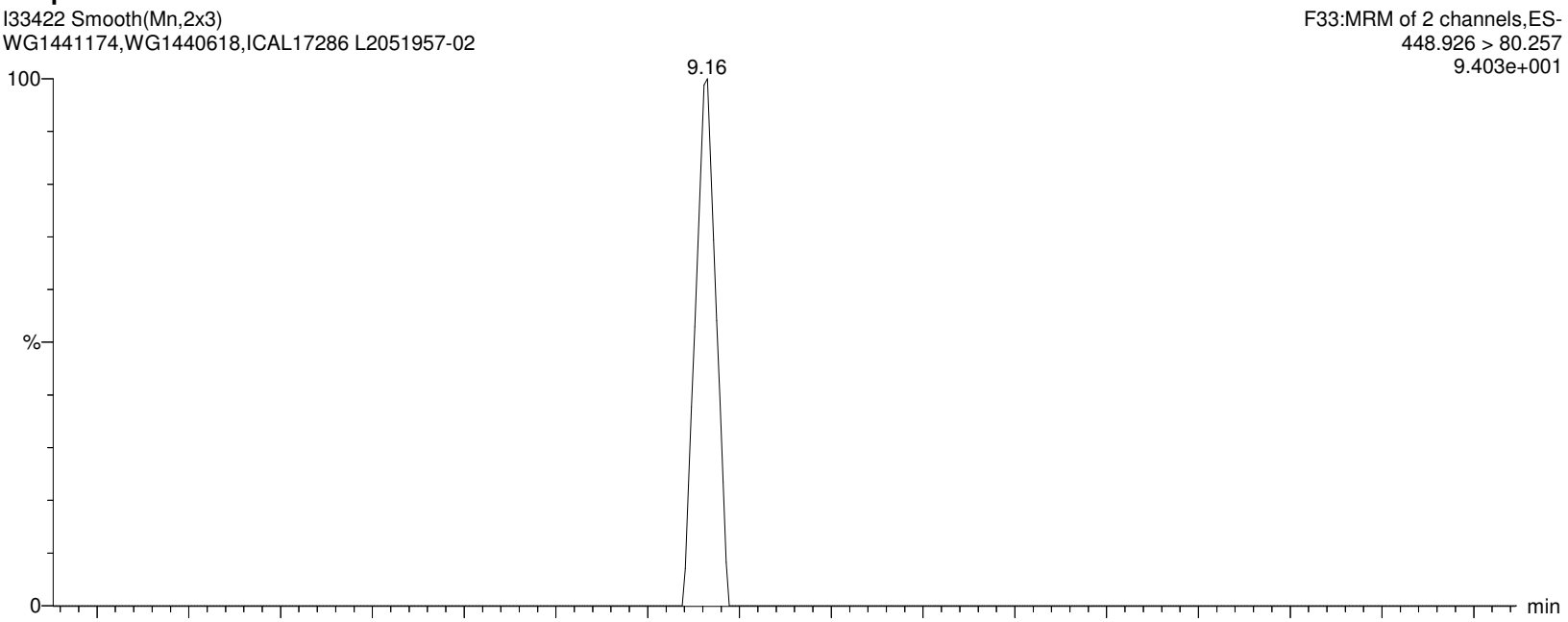

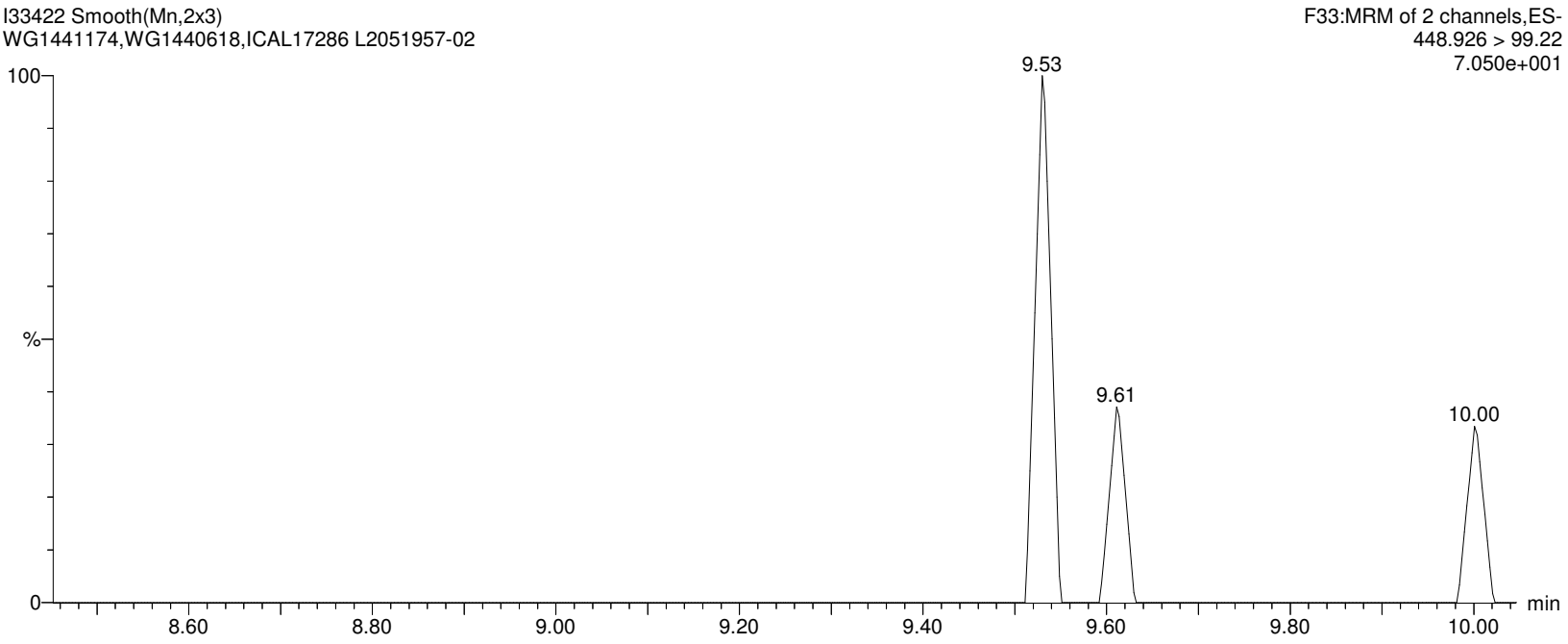

all concentration units in (ng/mL)

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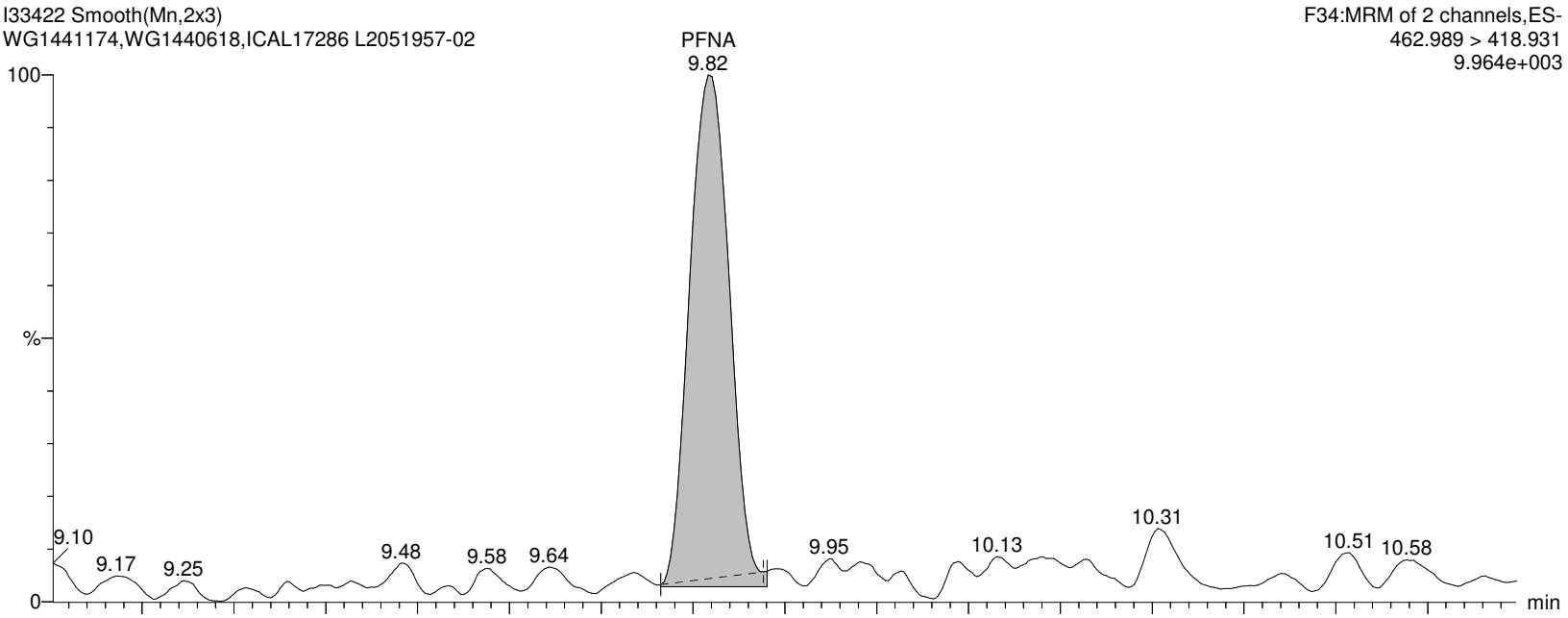

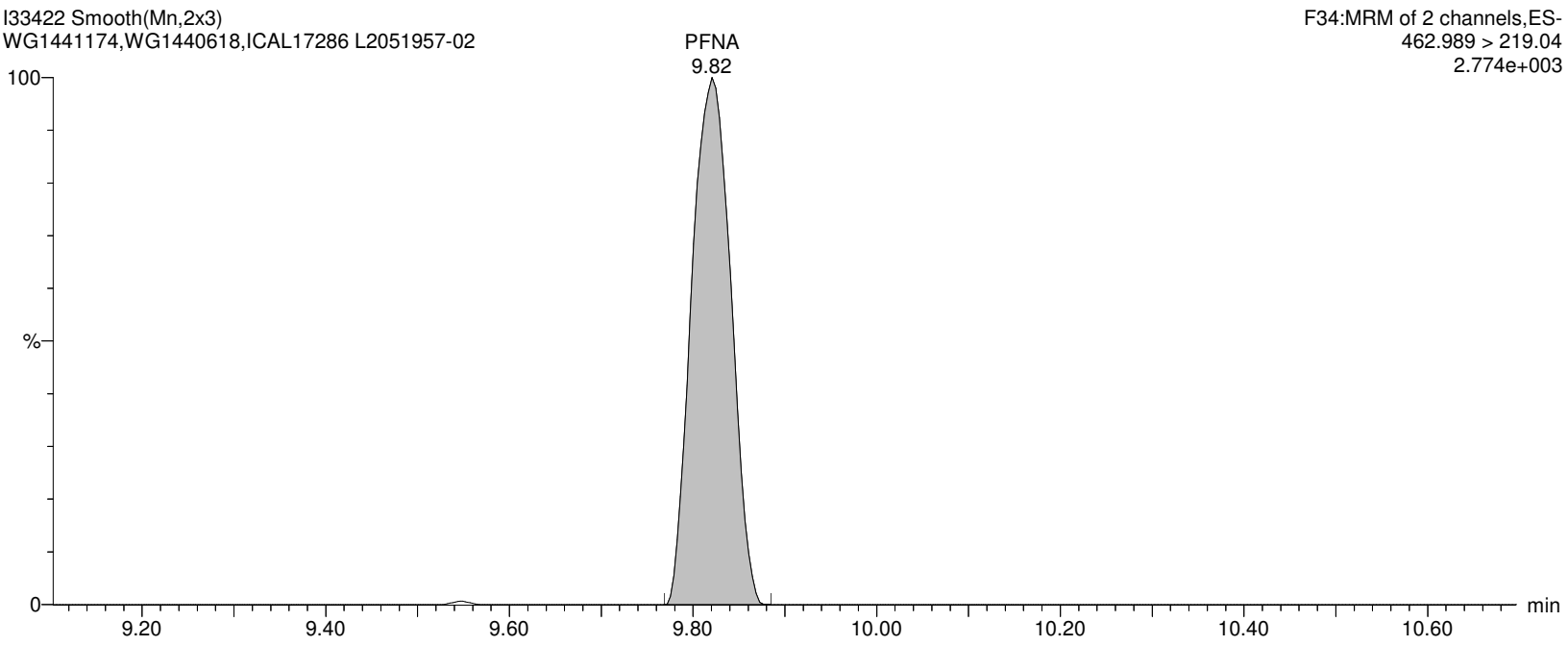

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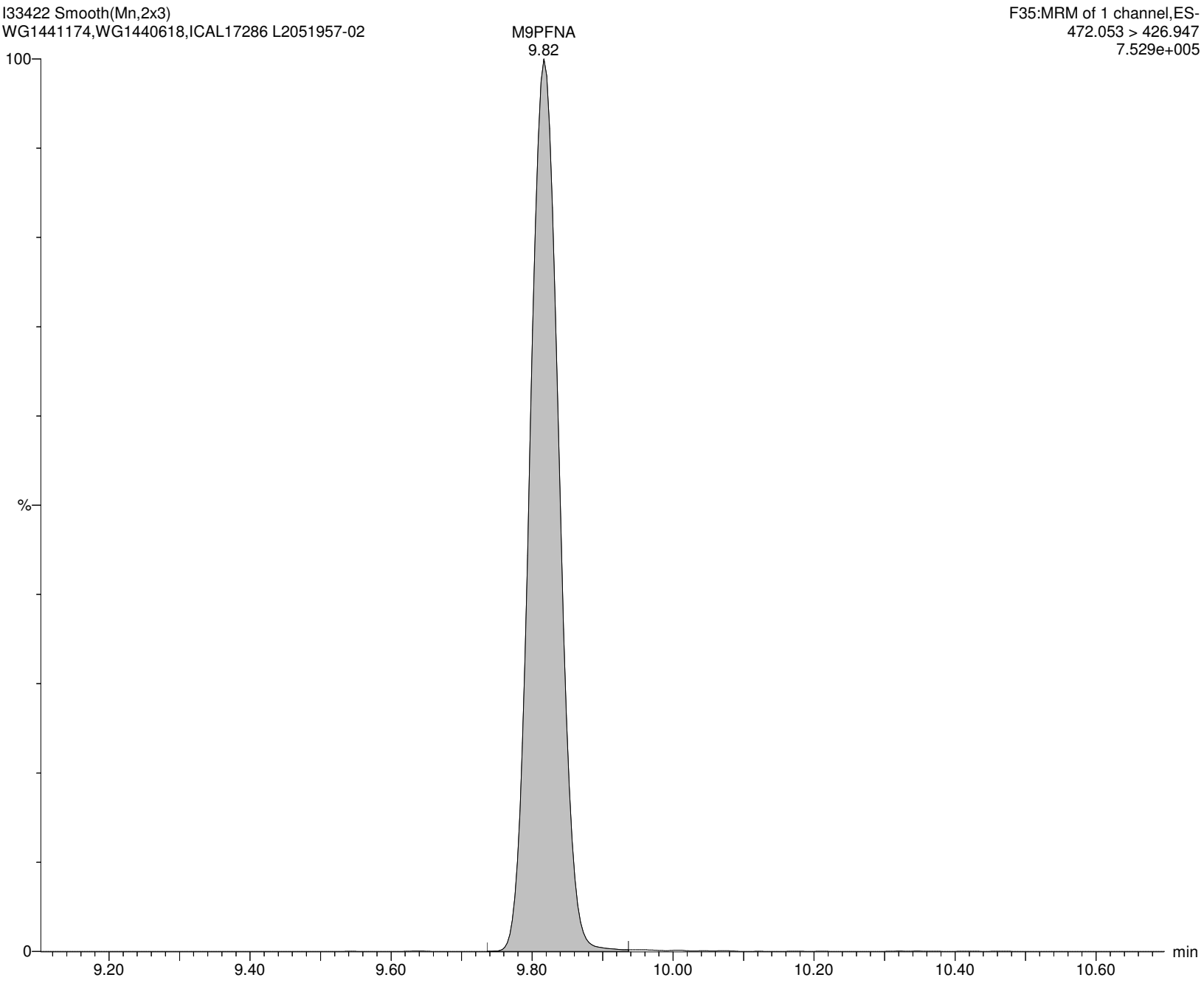

all concentration units in (ng/mL)

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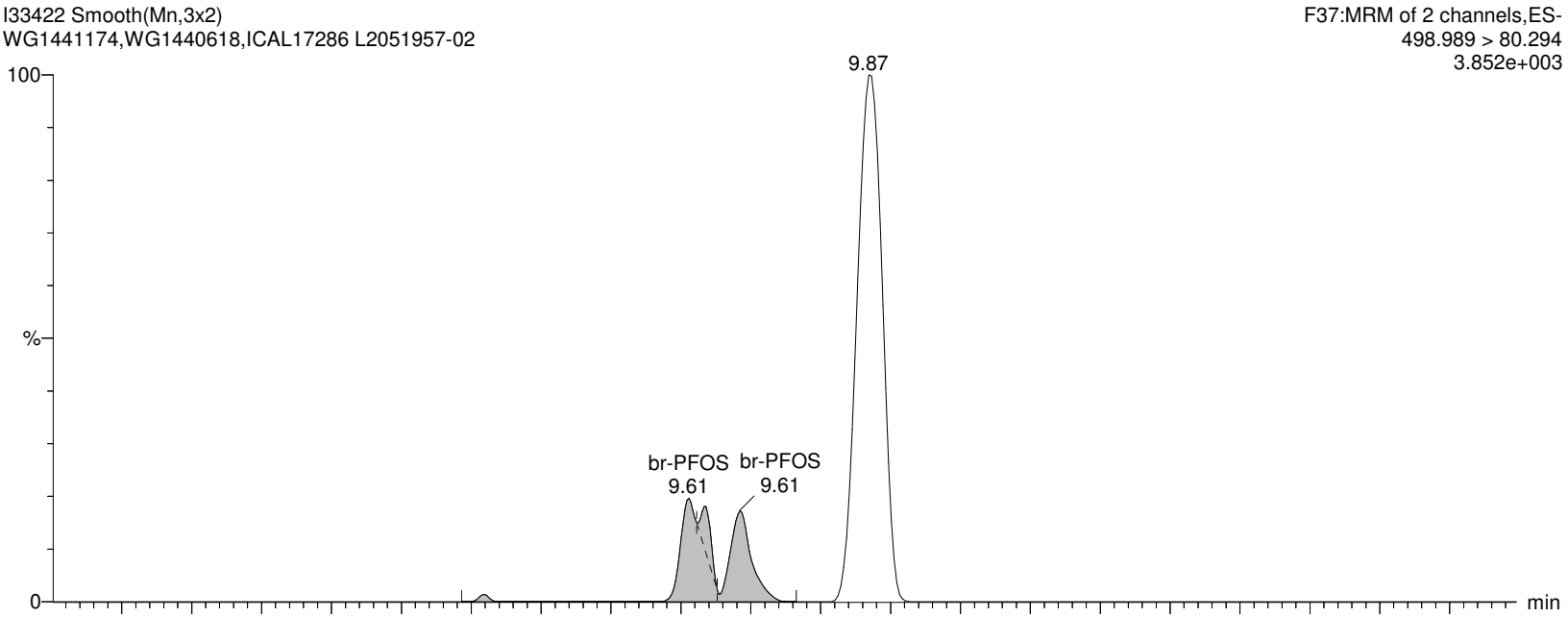

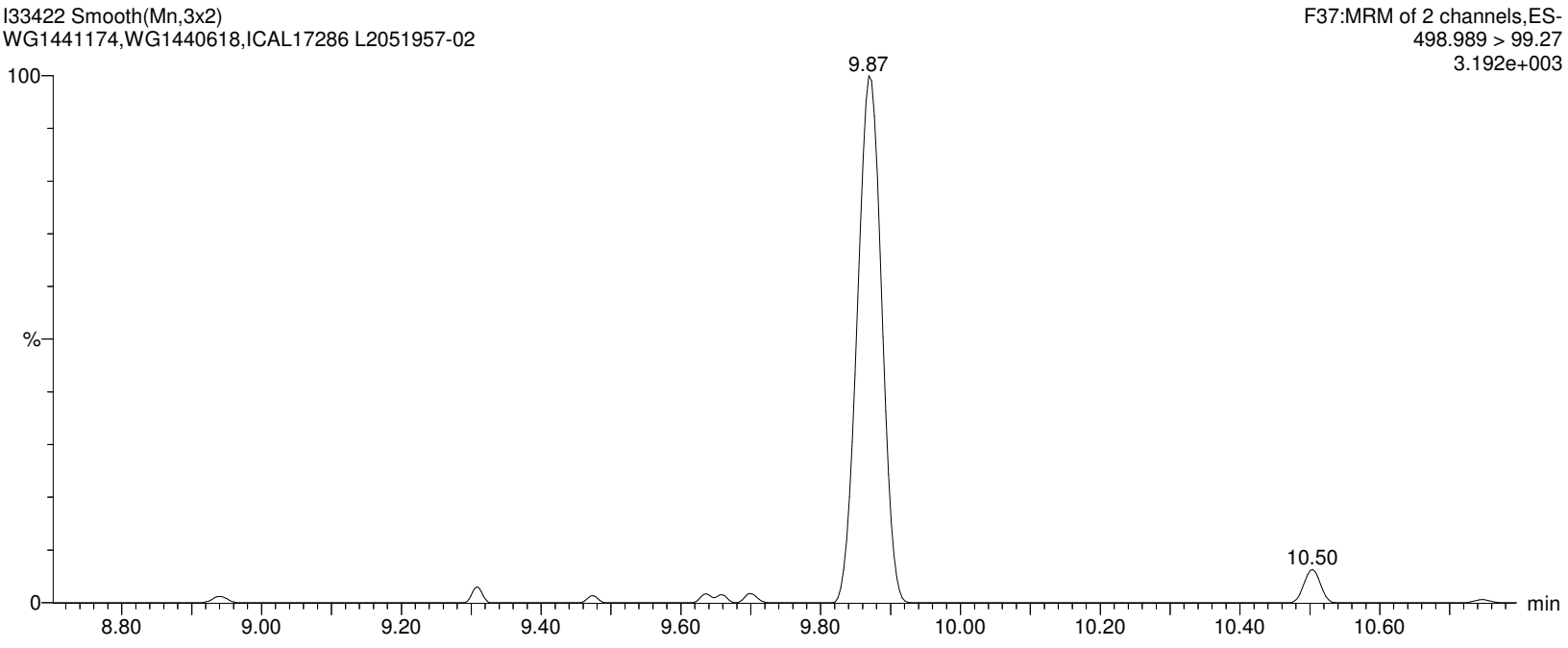

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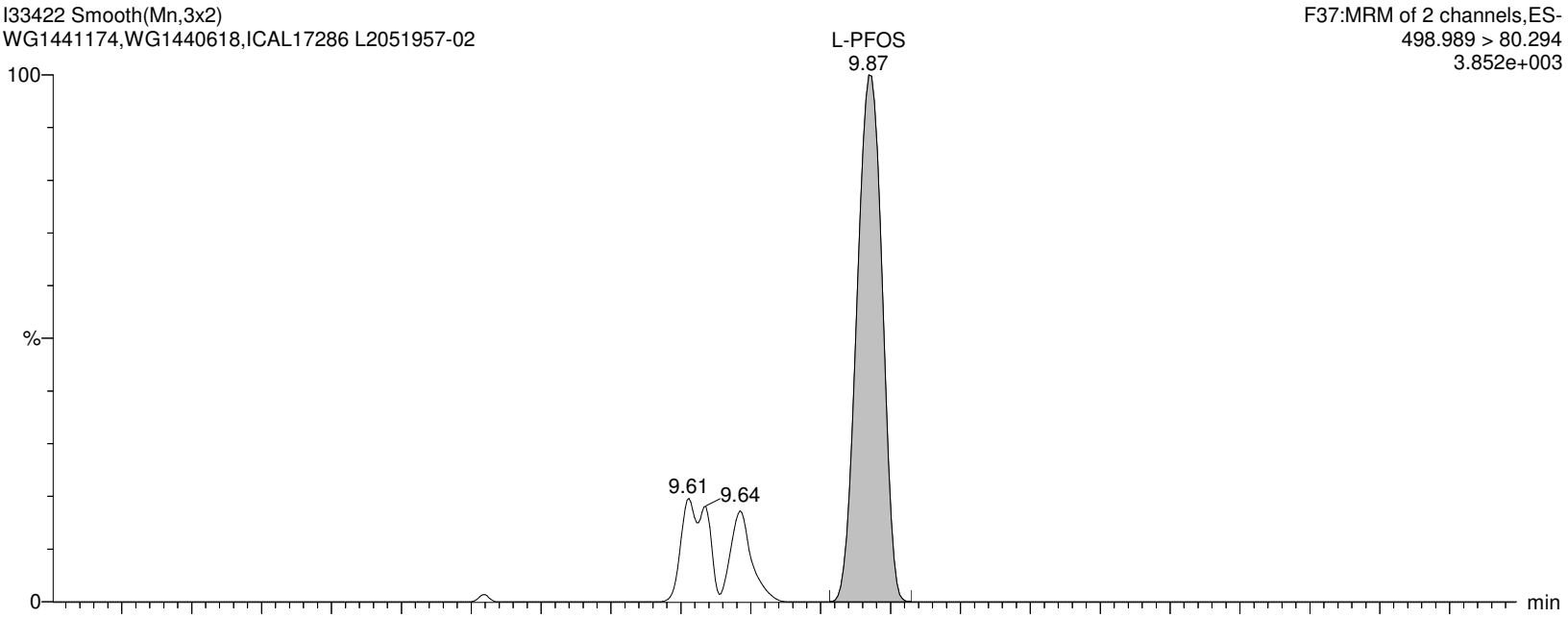

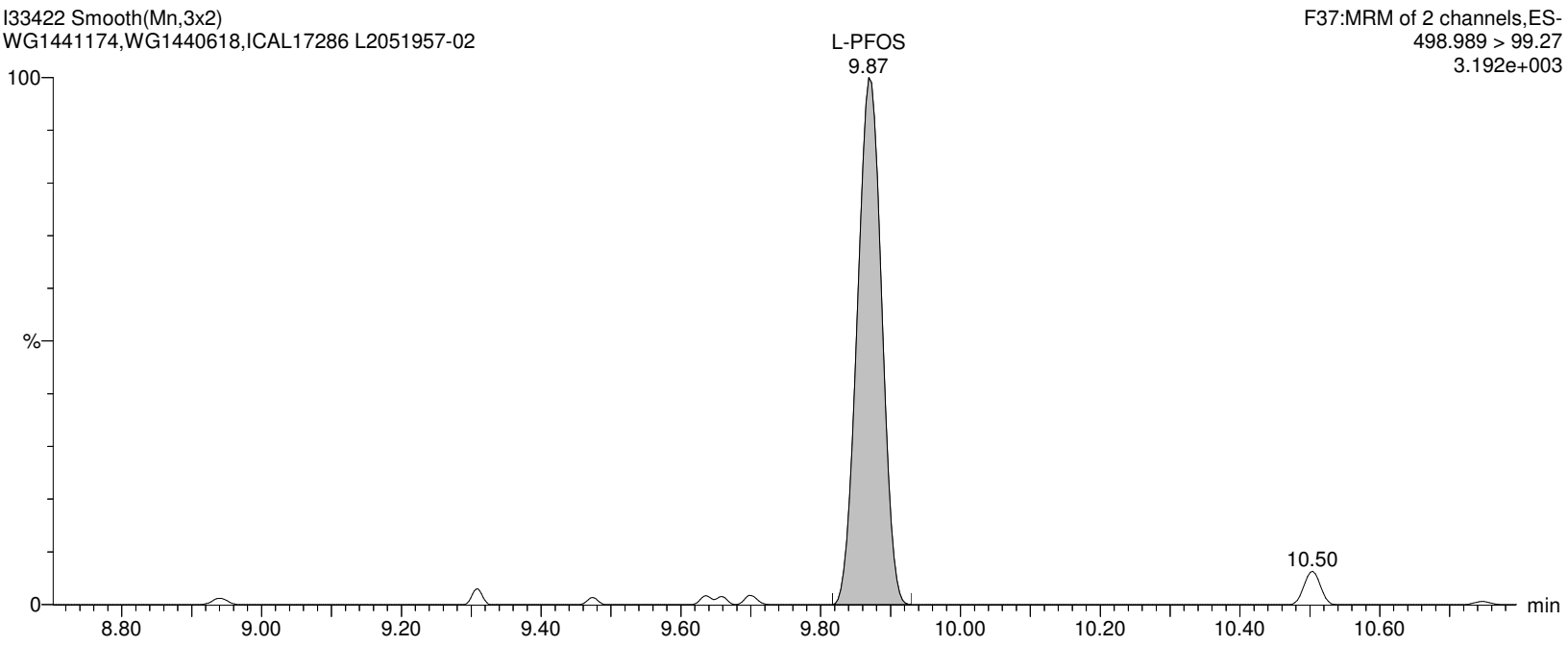

all concentration units in (ng/mL)

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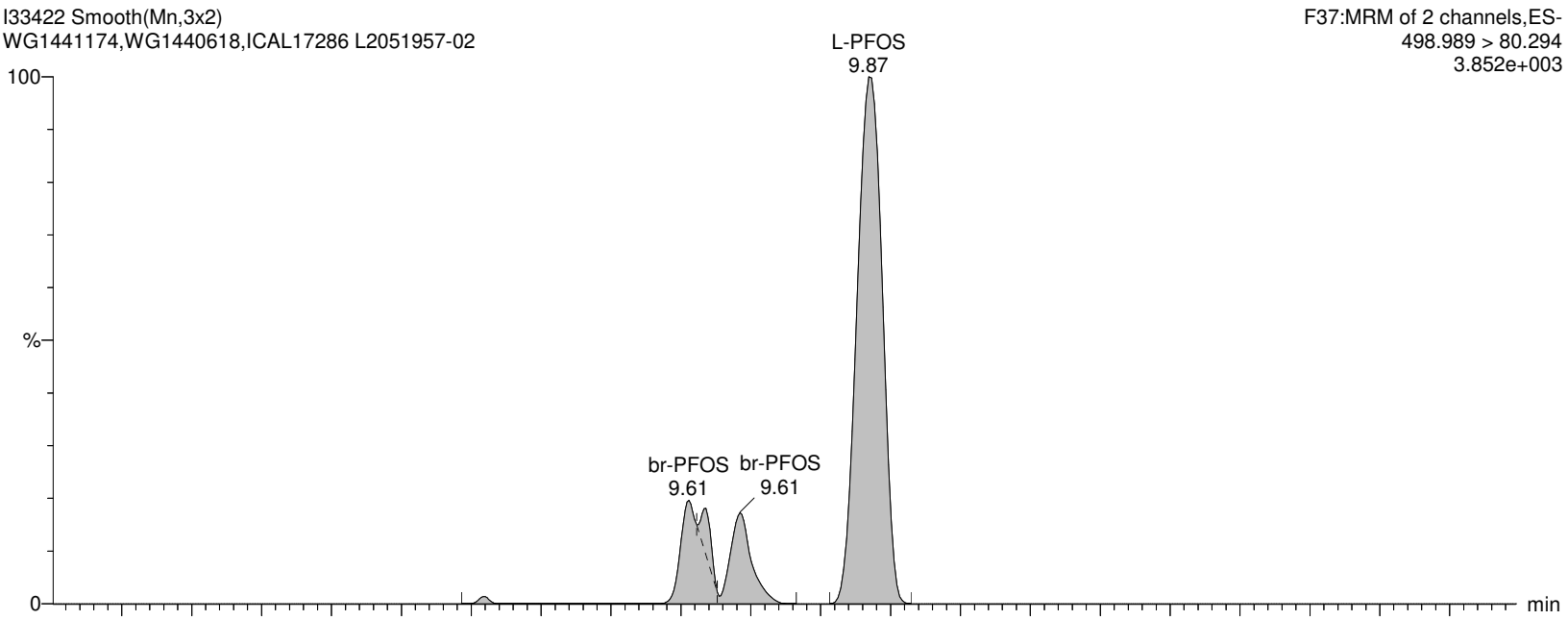

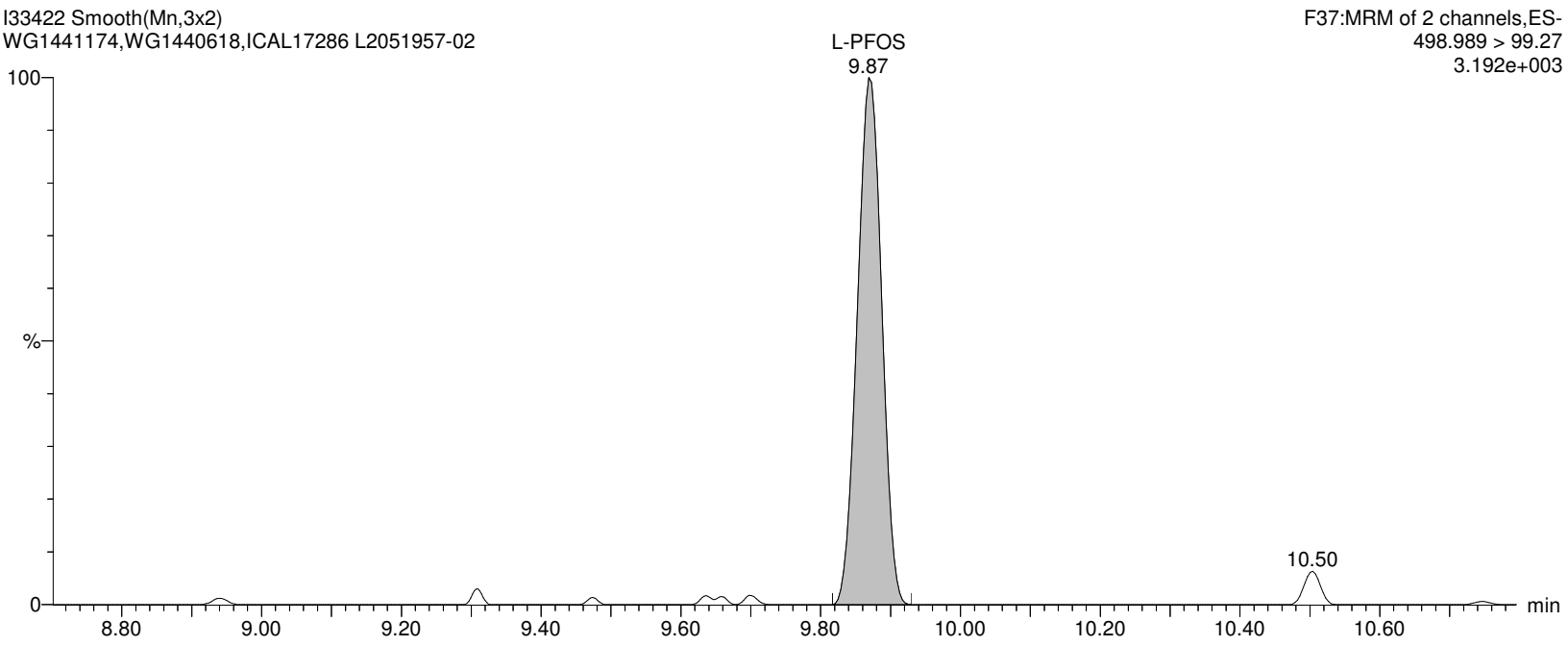

all concentration units in (ng/mL)

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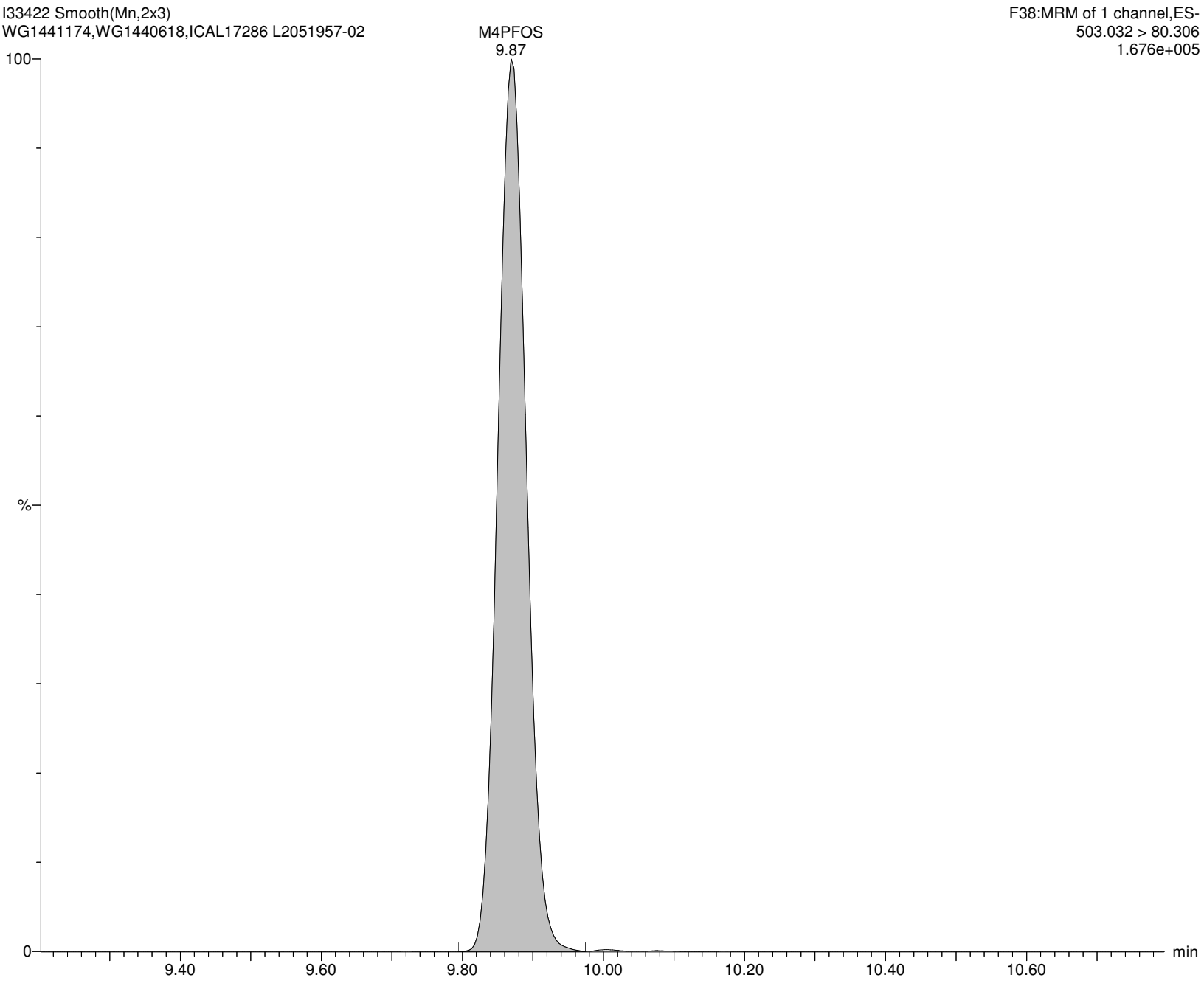

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
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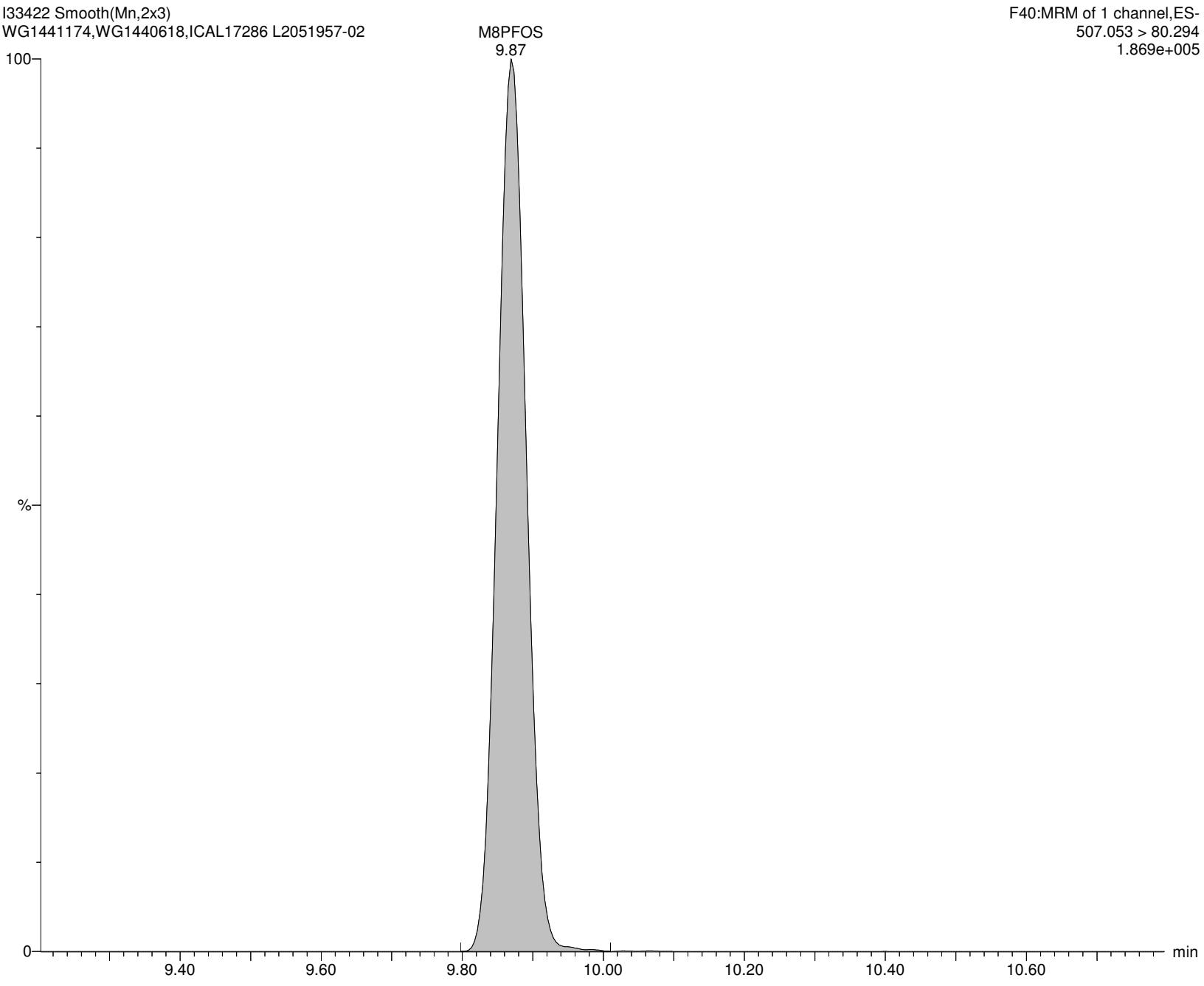

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
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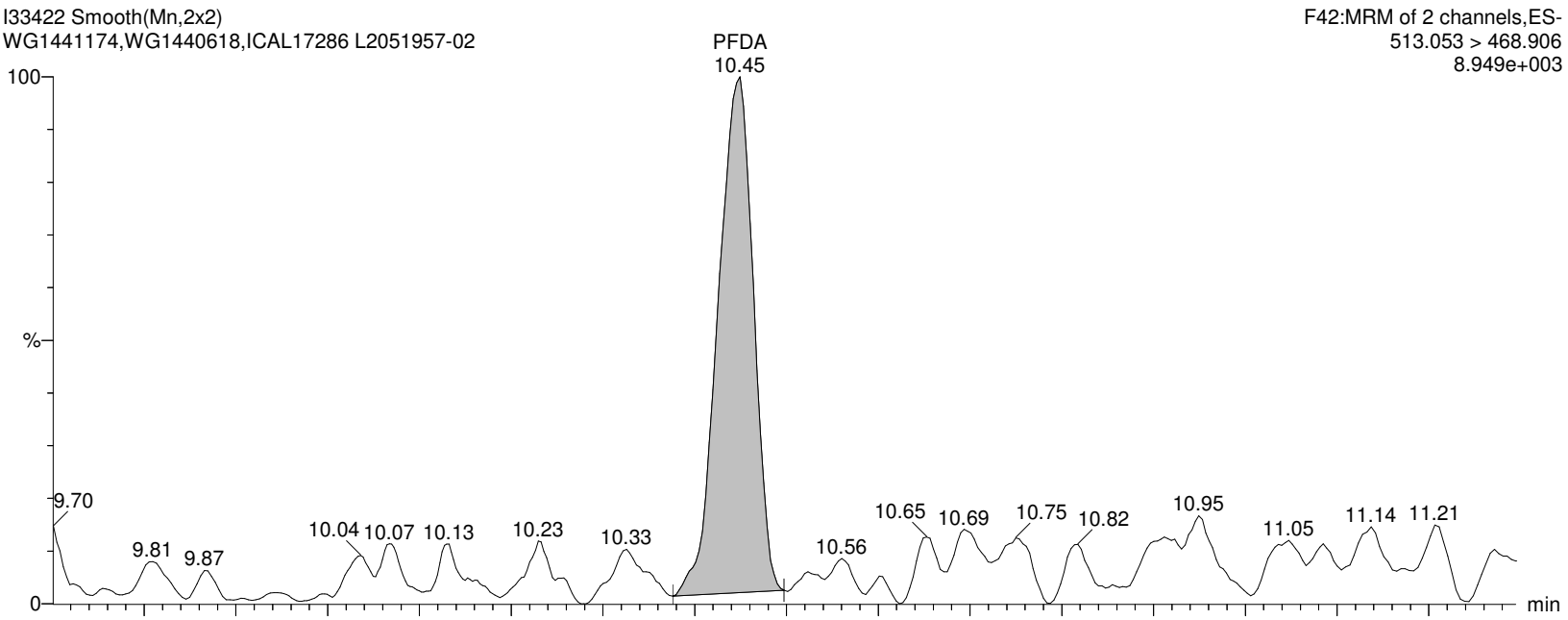

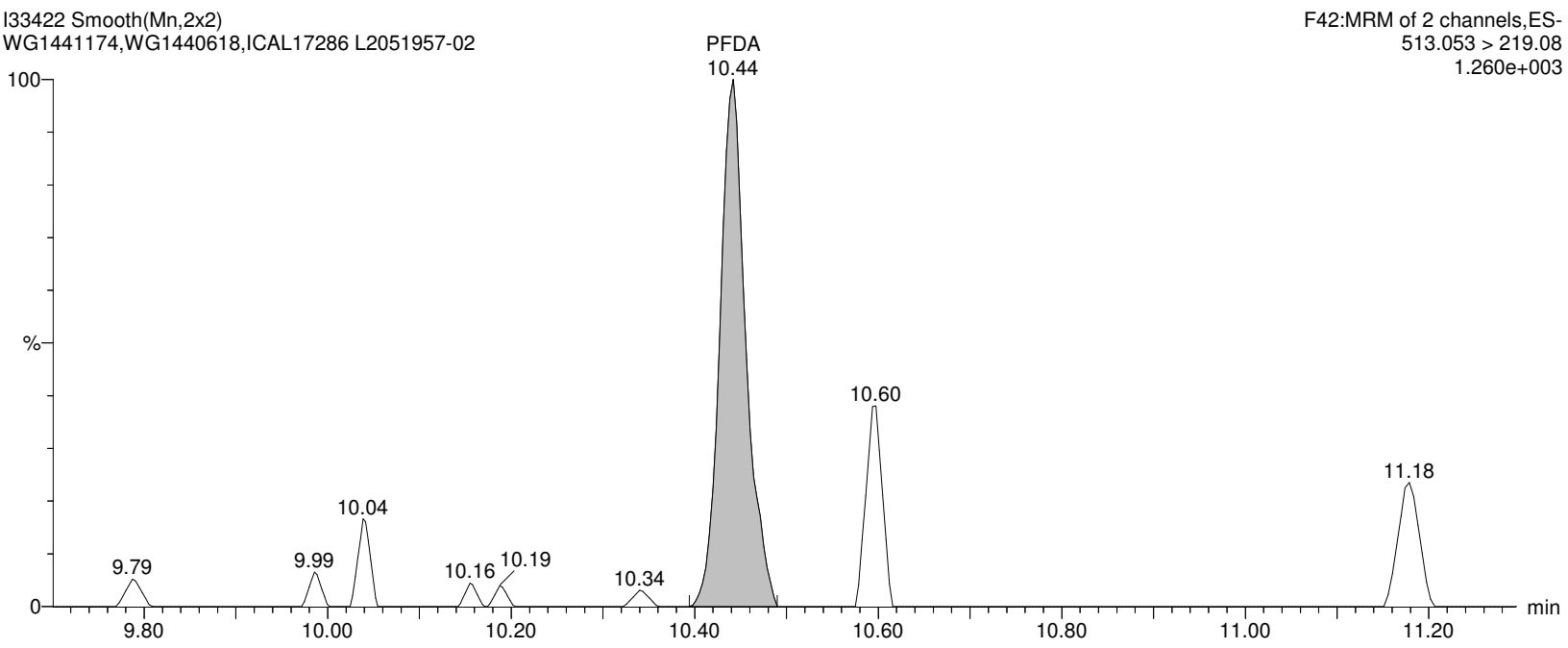

all concentration units in (ng/mL)

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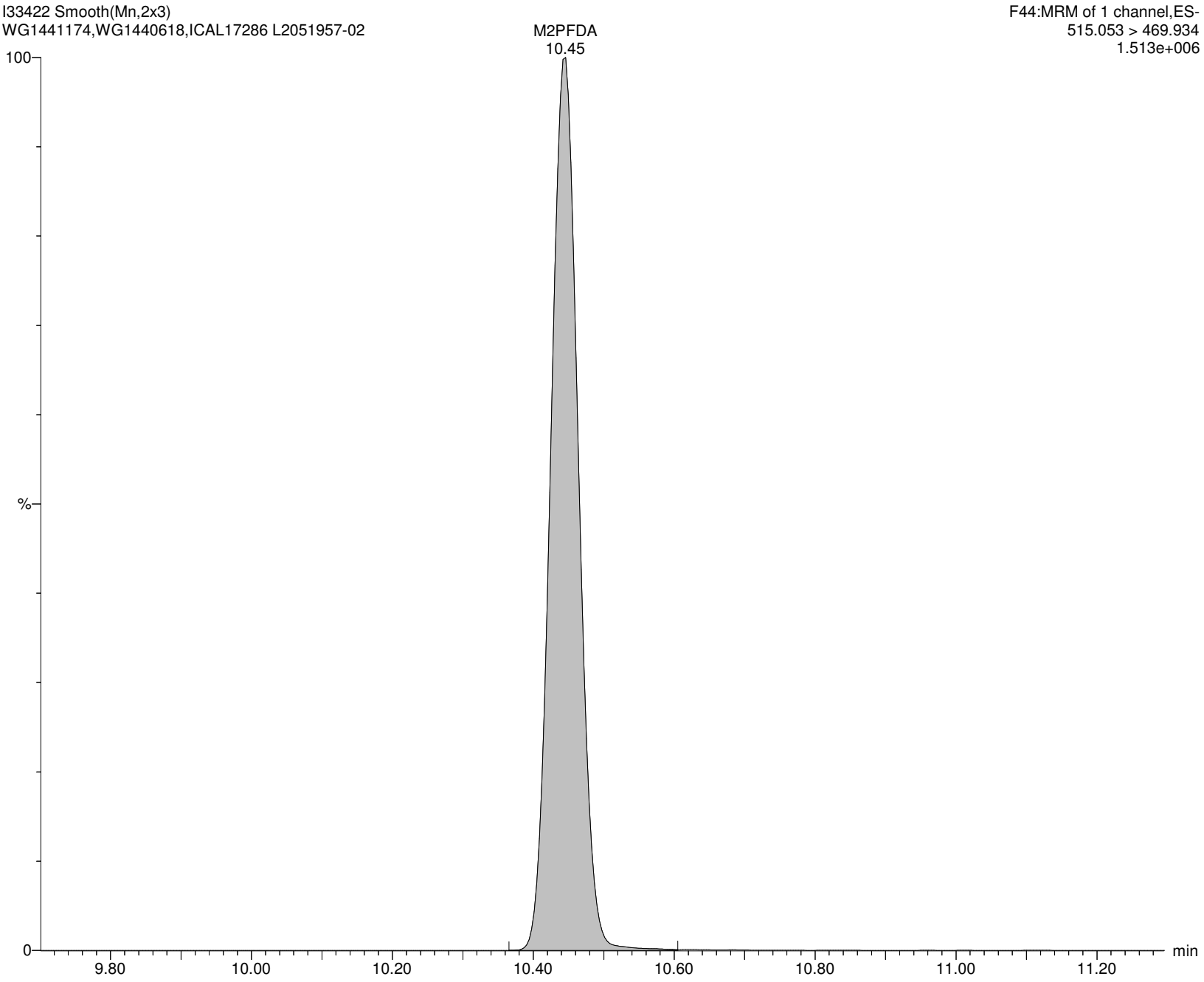

all concentration units in (ng/mL)

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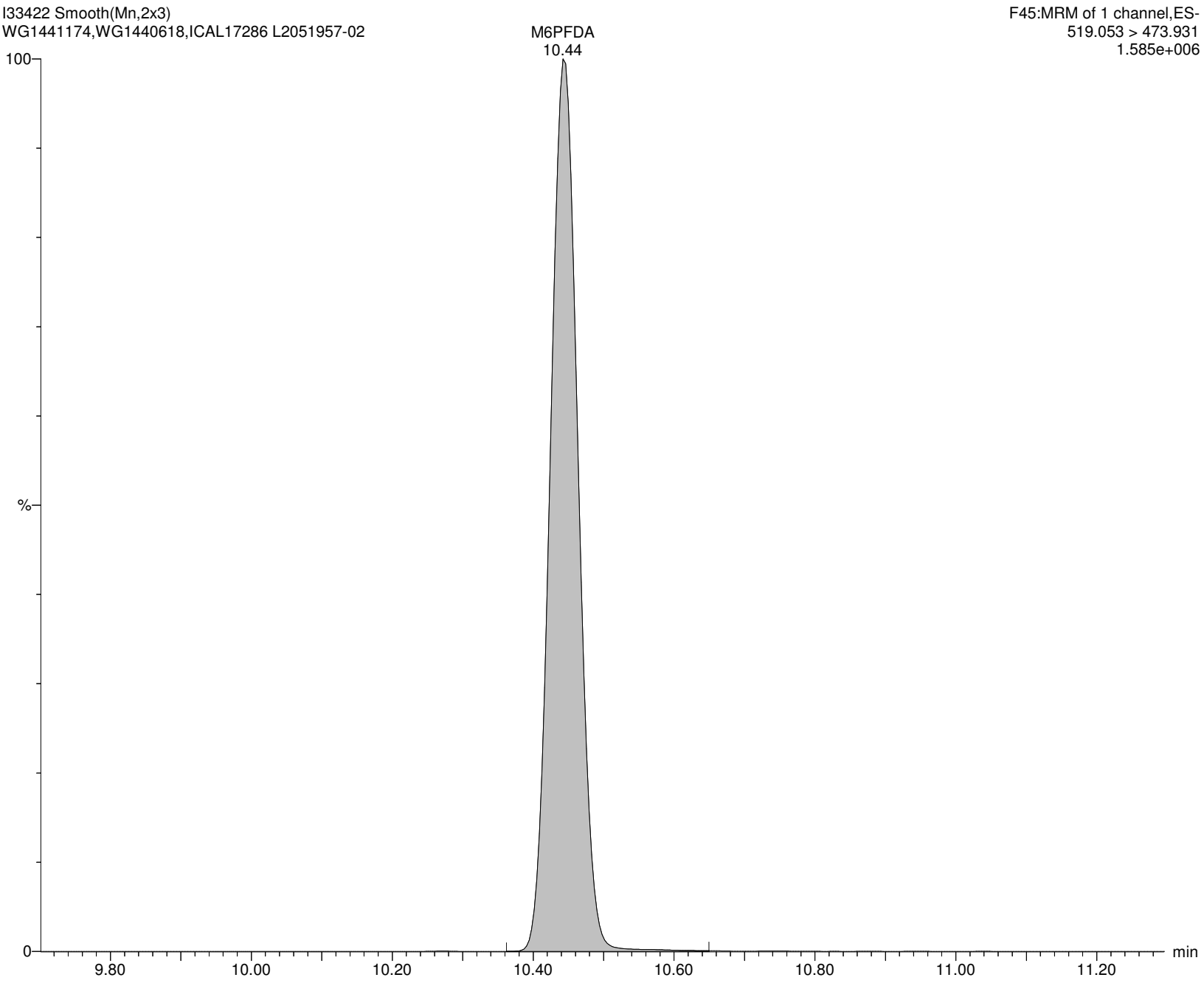

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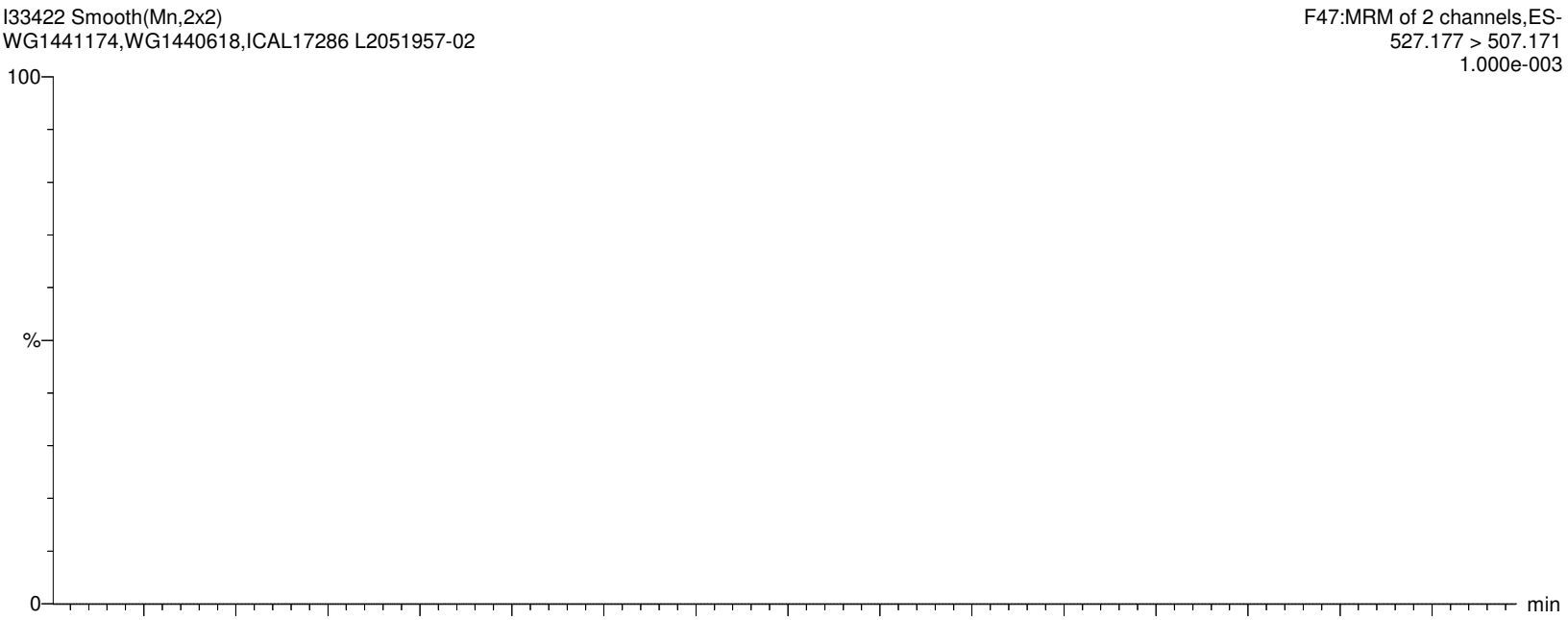
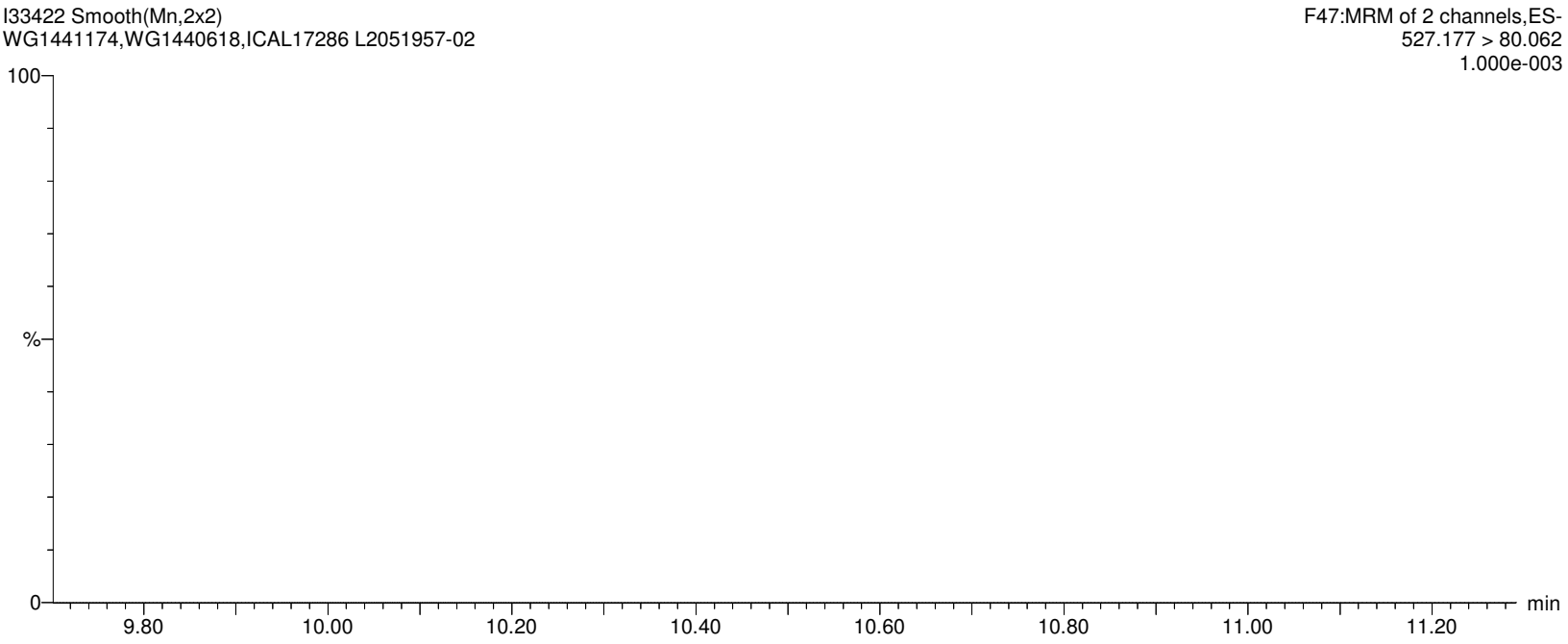
8:2FTS





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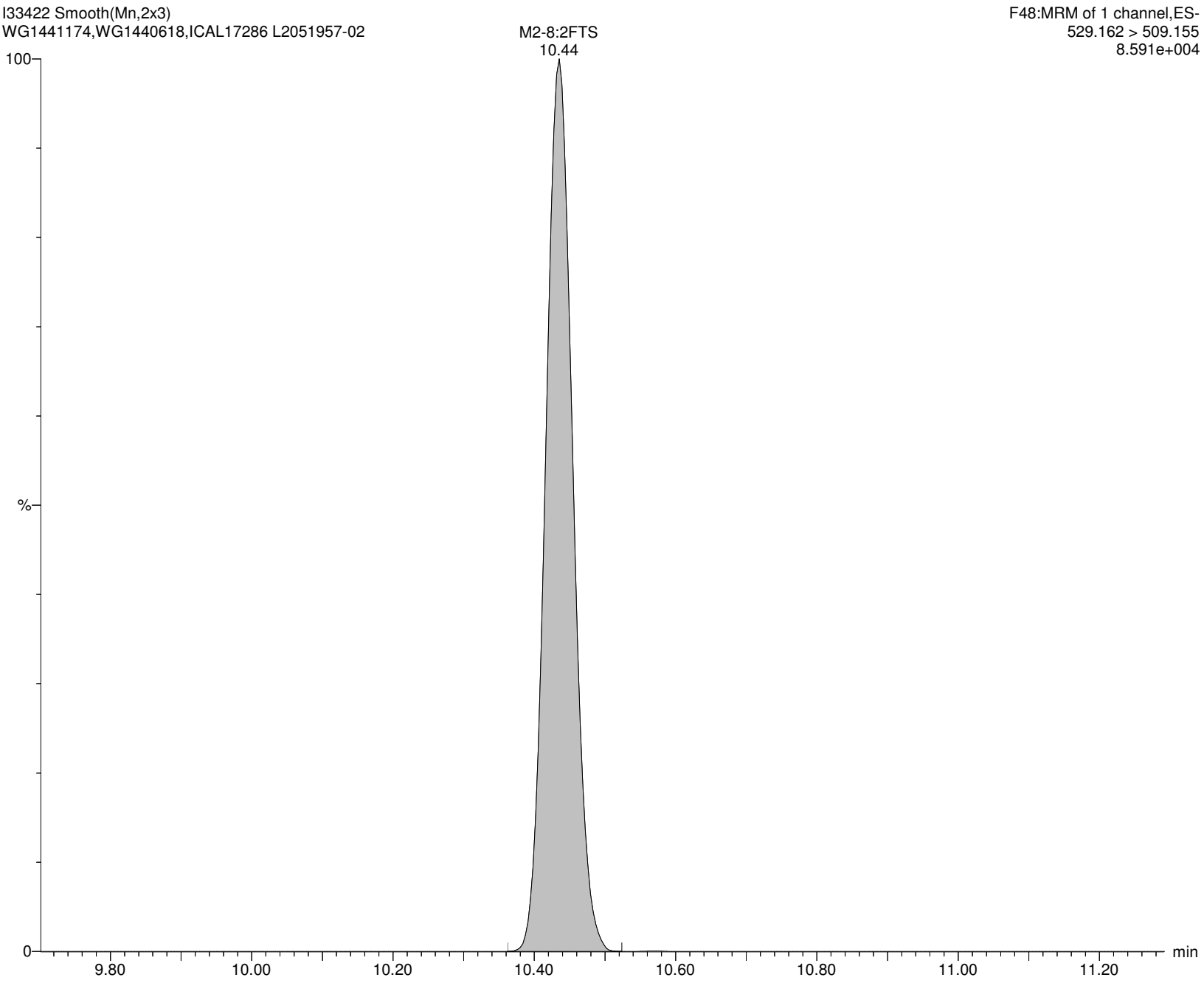

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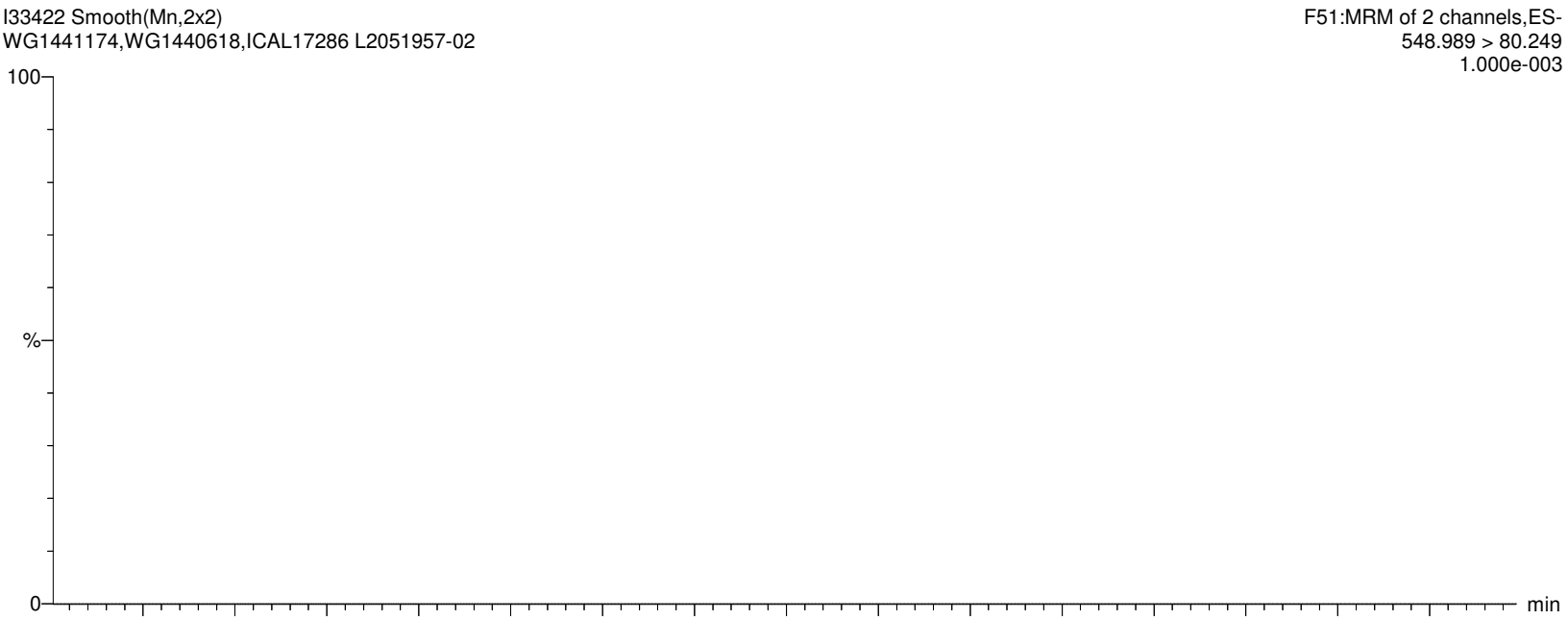

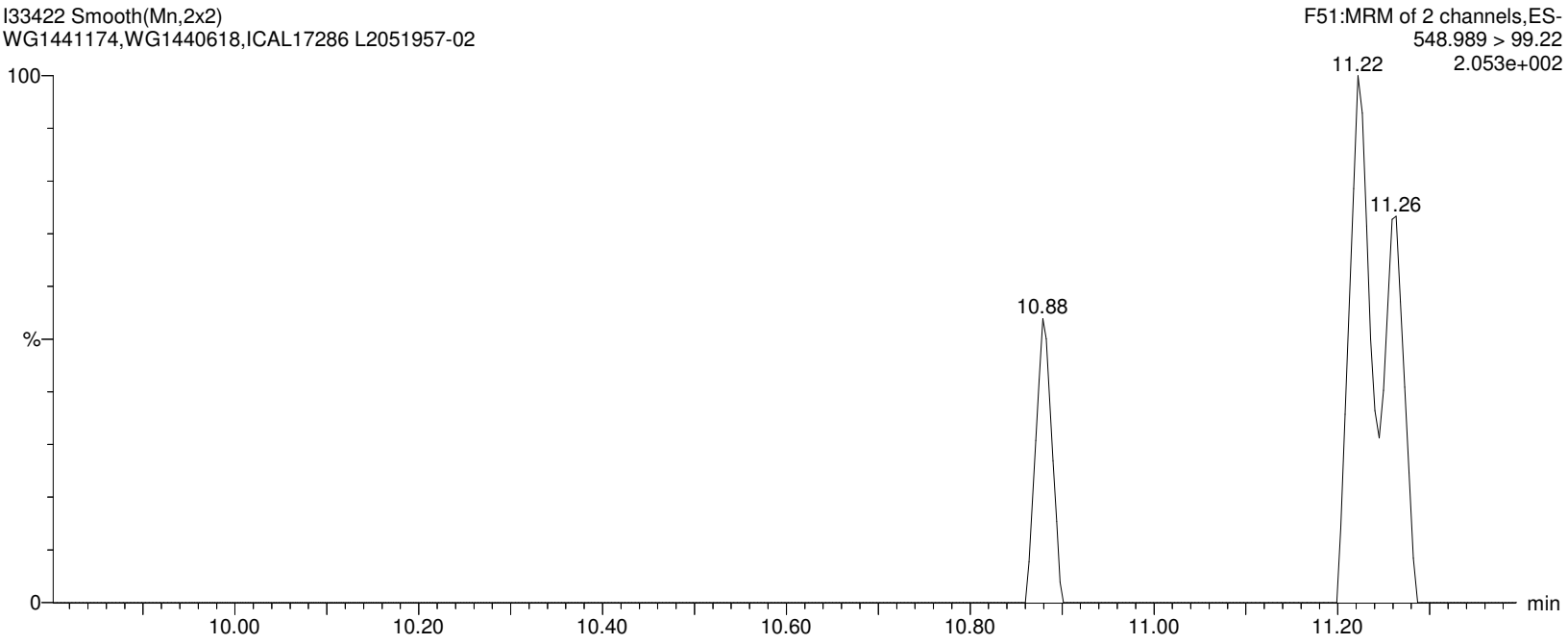

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
Last Altered: Sunday, December 06, 2020 22:56:32 Eastern Standard Time
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Name: I33422
ID: L2051957-02
Date: 04-Dec-2020
Time: 17:35:13
Description: WG1441174,WG1440618,ICAL17286
User: LCMS02:JW
Vial: 1:D,4
Instrument: XEVO-TQSmicro#QEB0050
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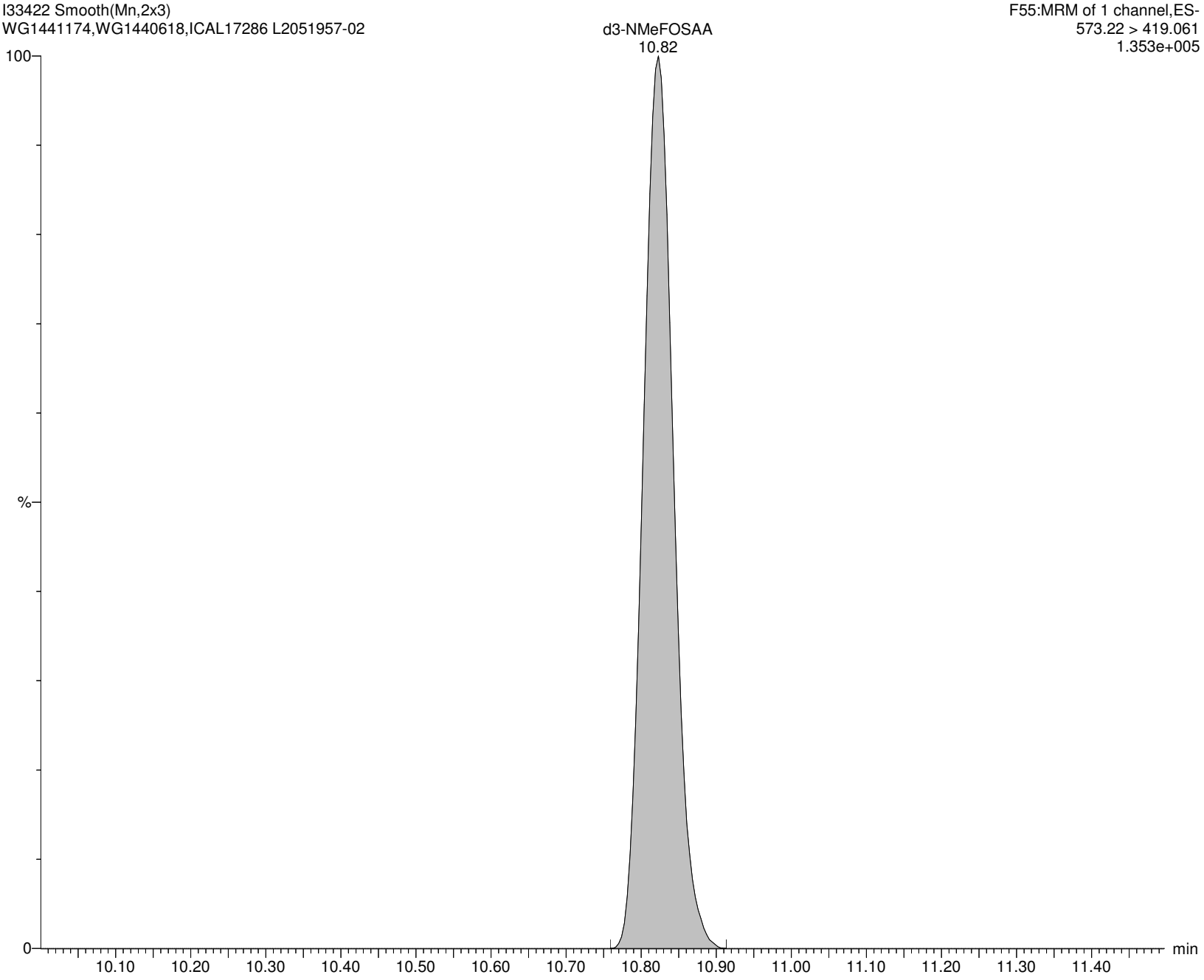

all concentration units in (ng/mL)

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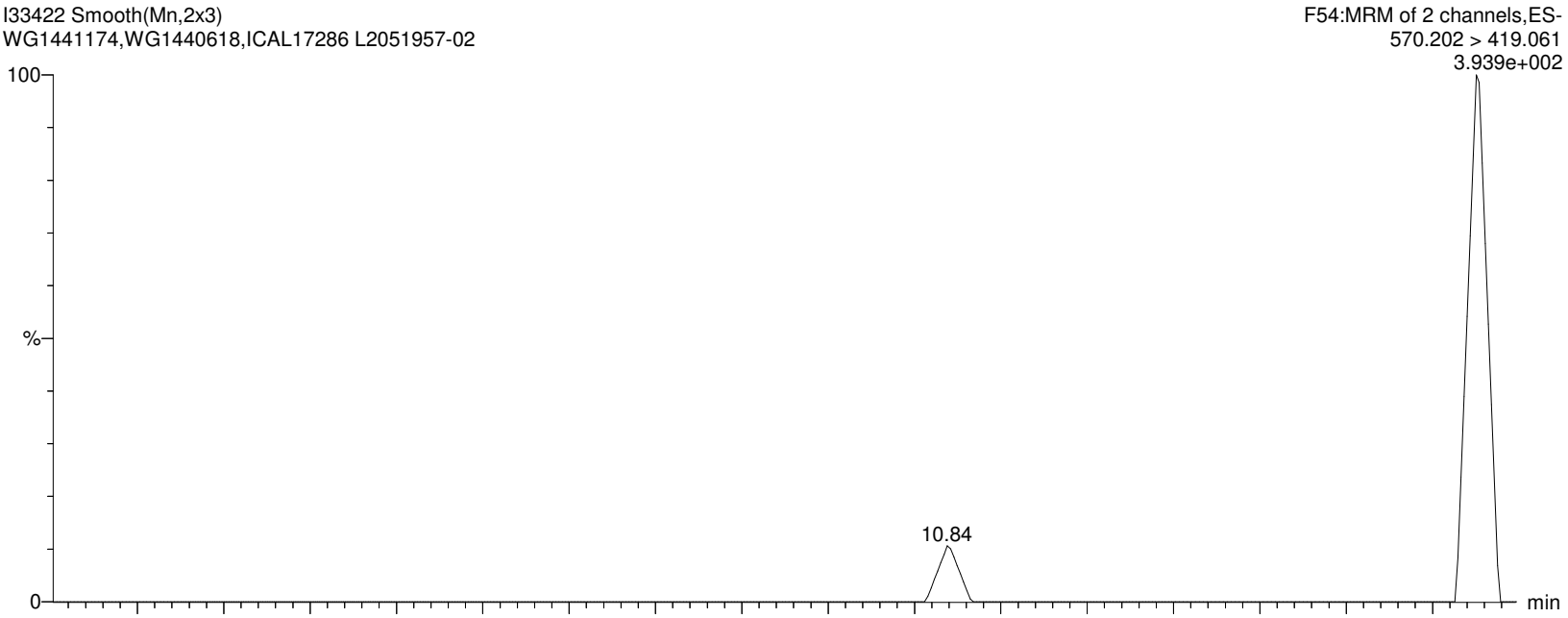

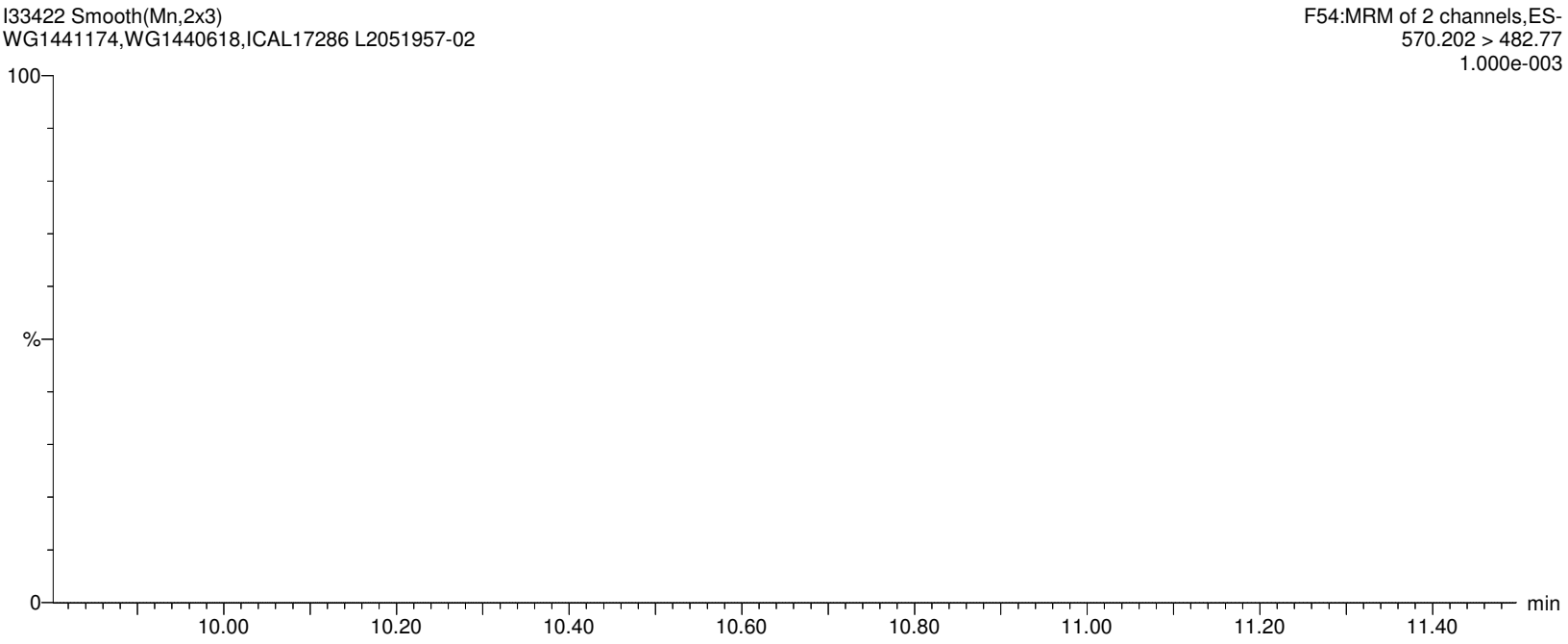

all concentration units in (ng/mL)

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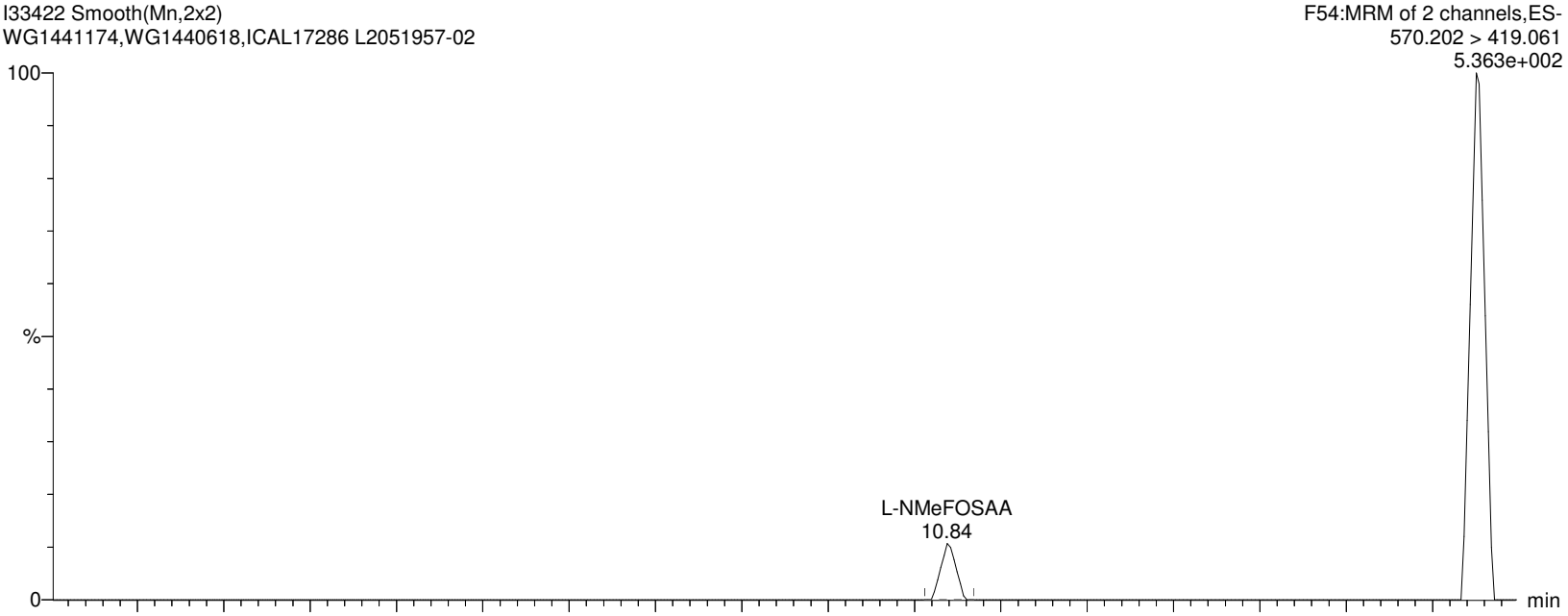

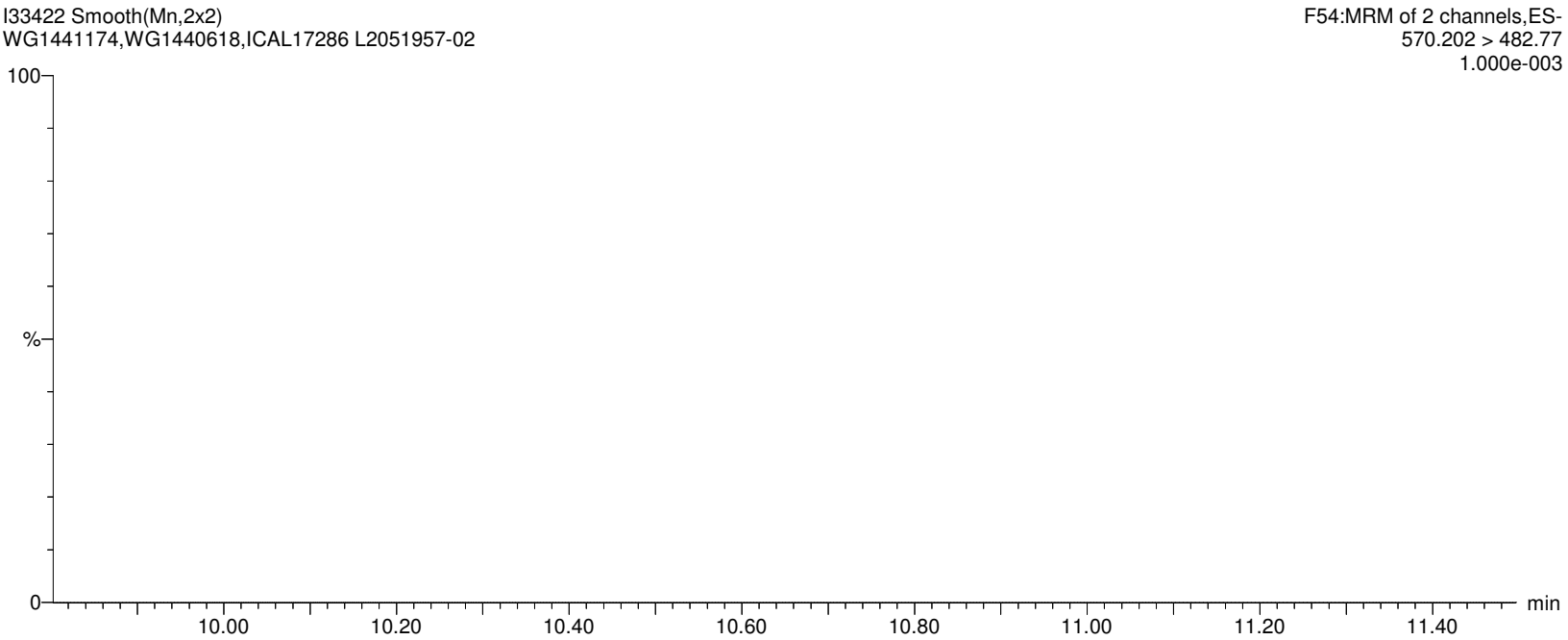

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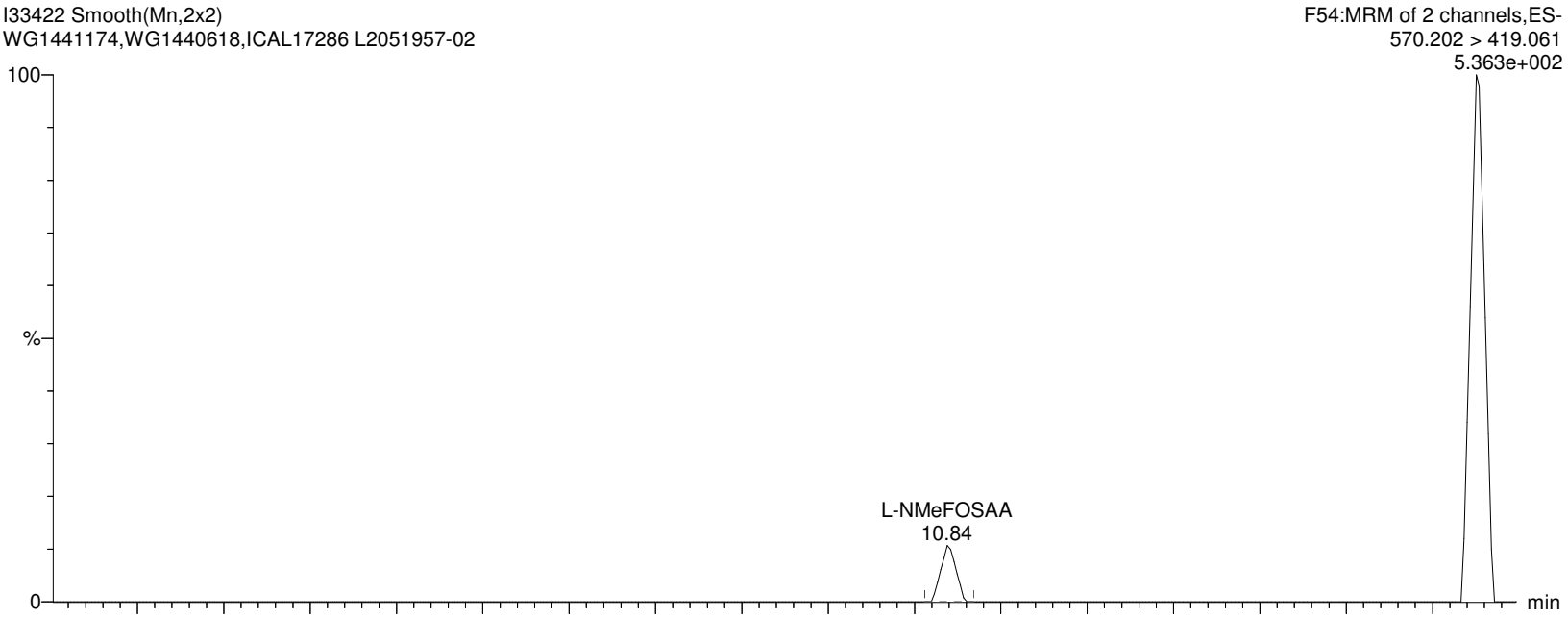

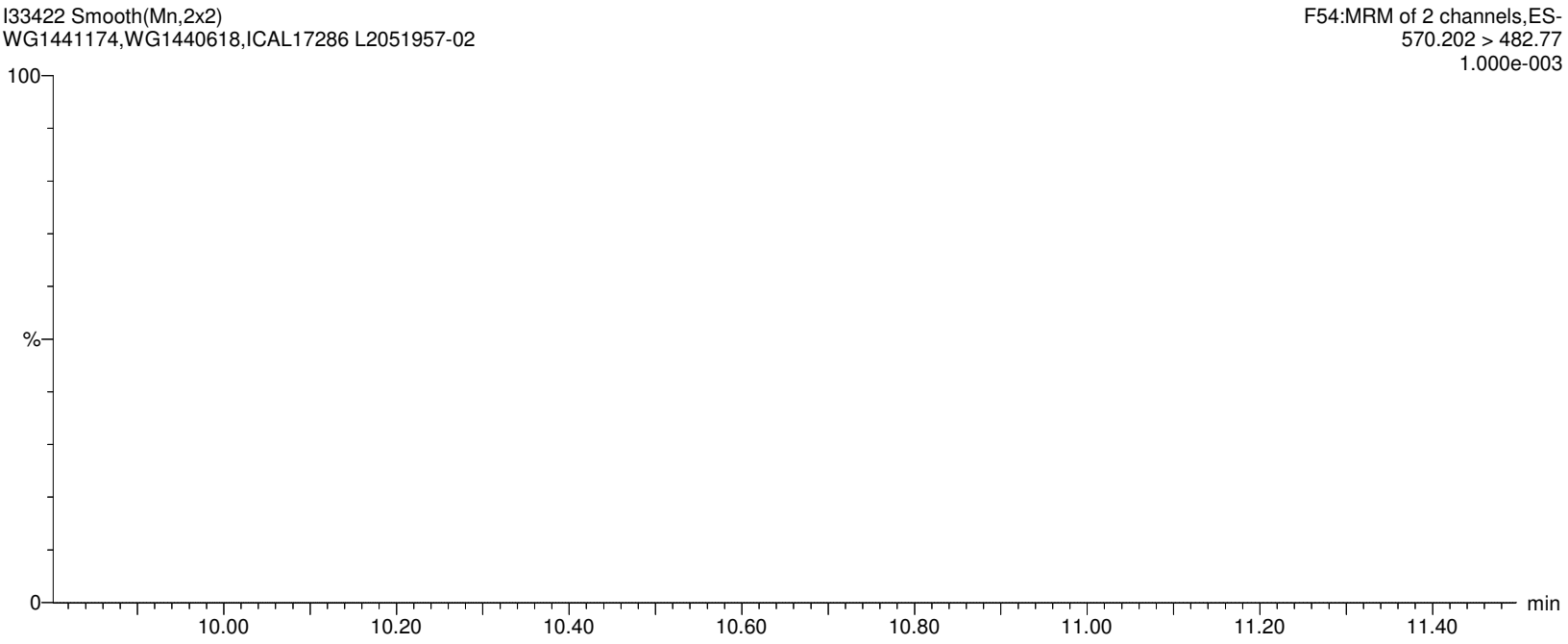

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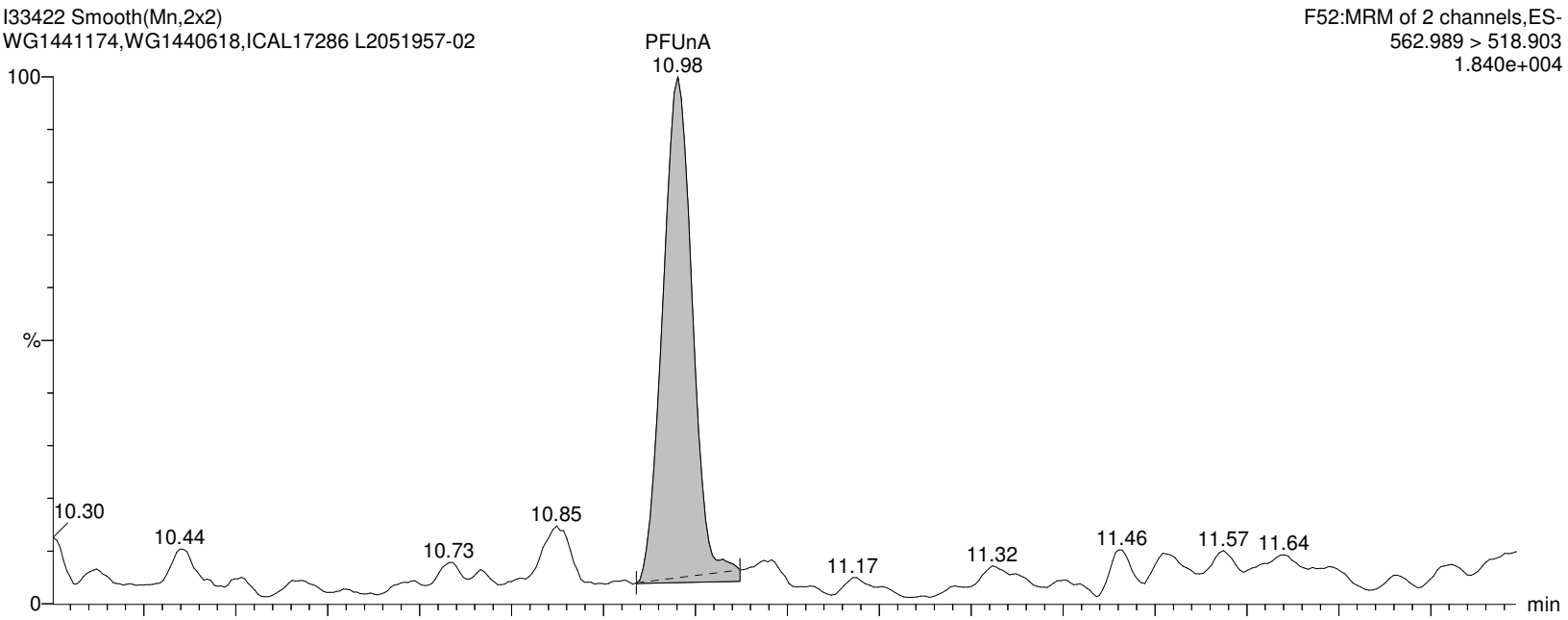

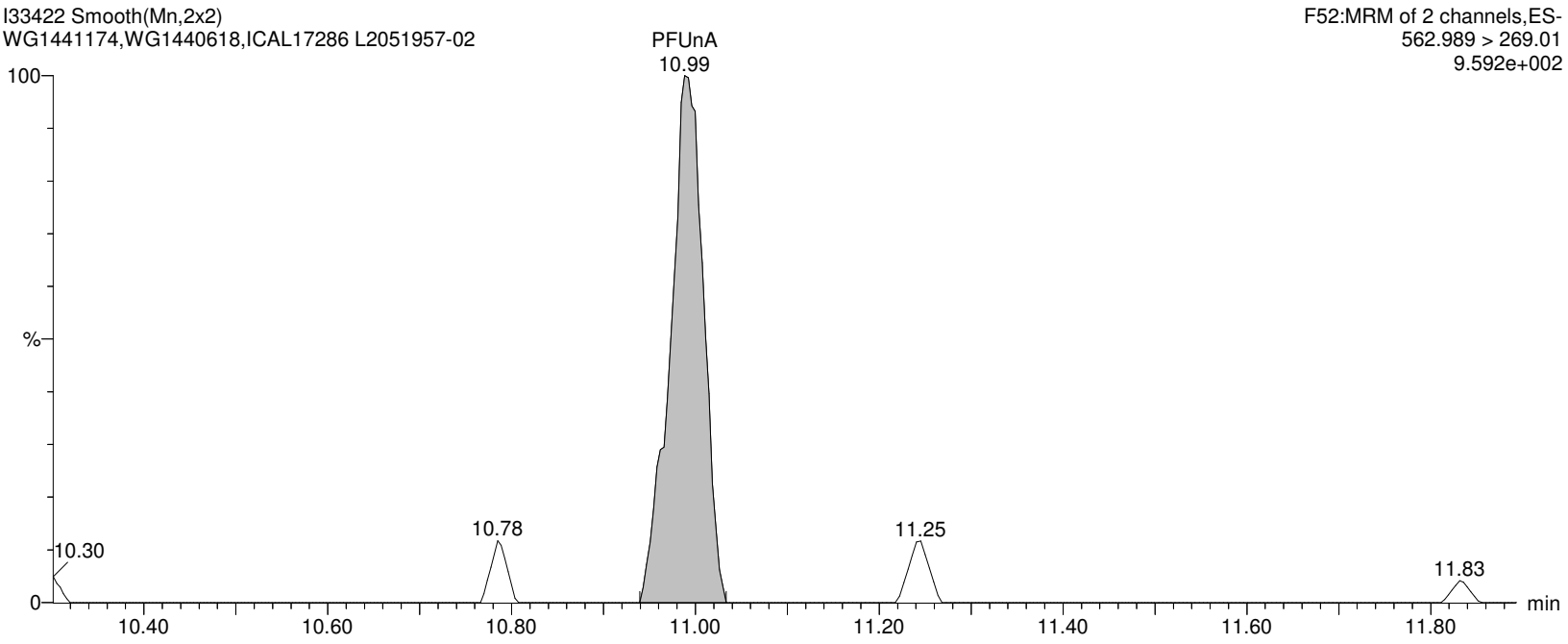

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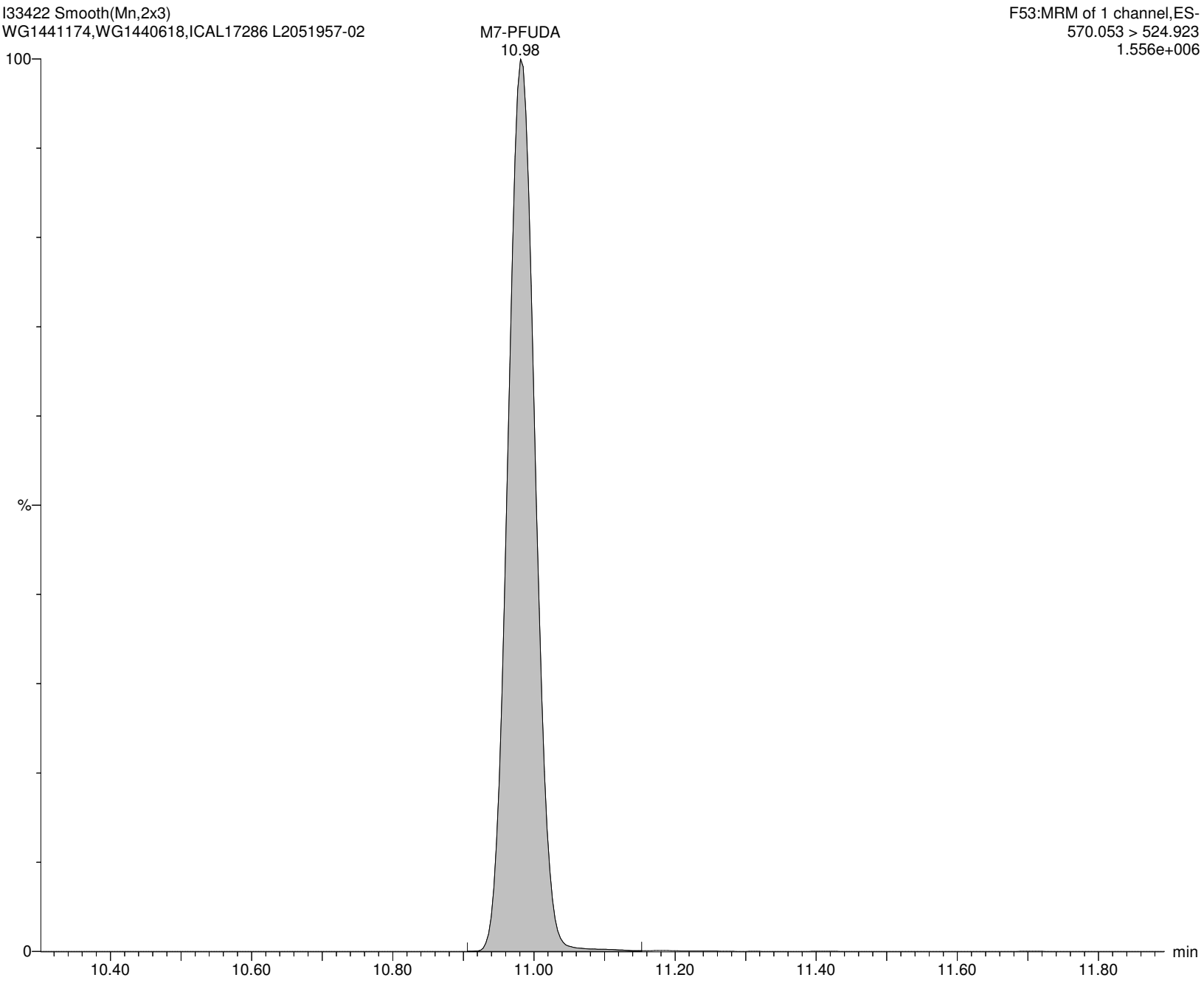

all concentration units in (ng/mL)

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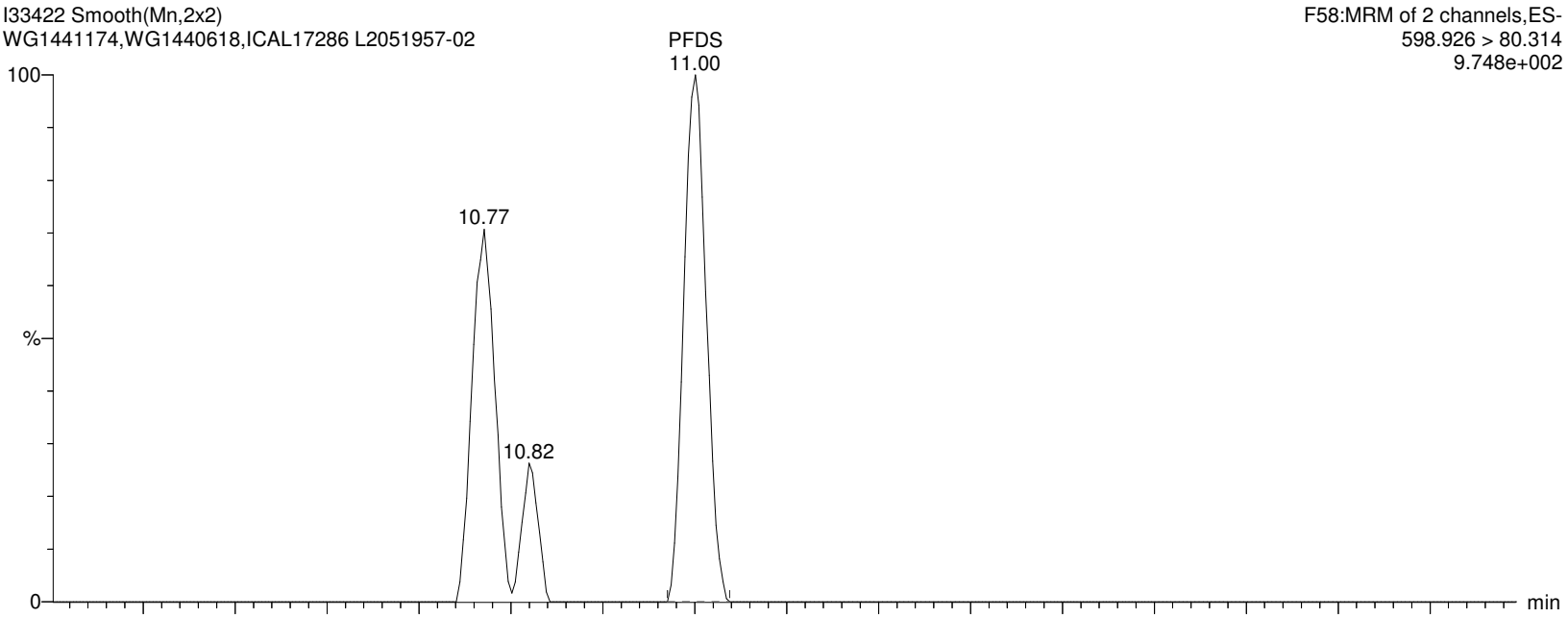

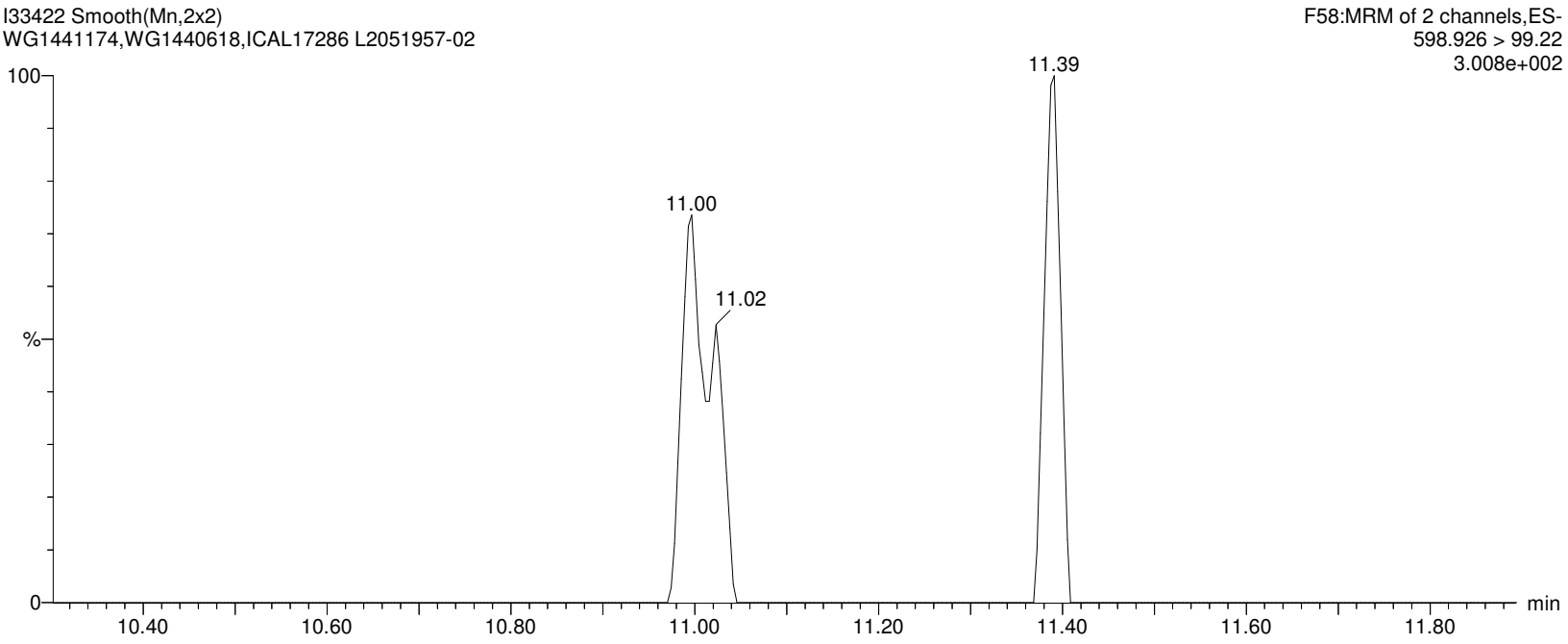

all concentration units in (ng/mL)

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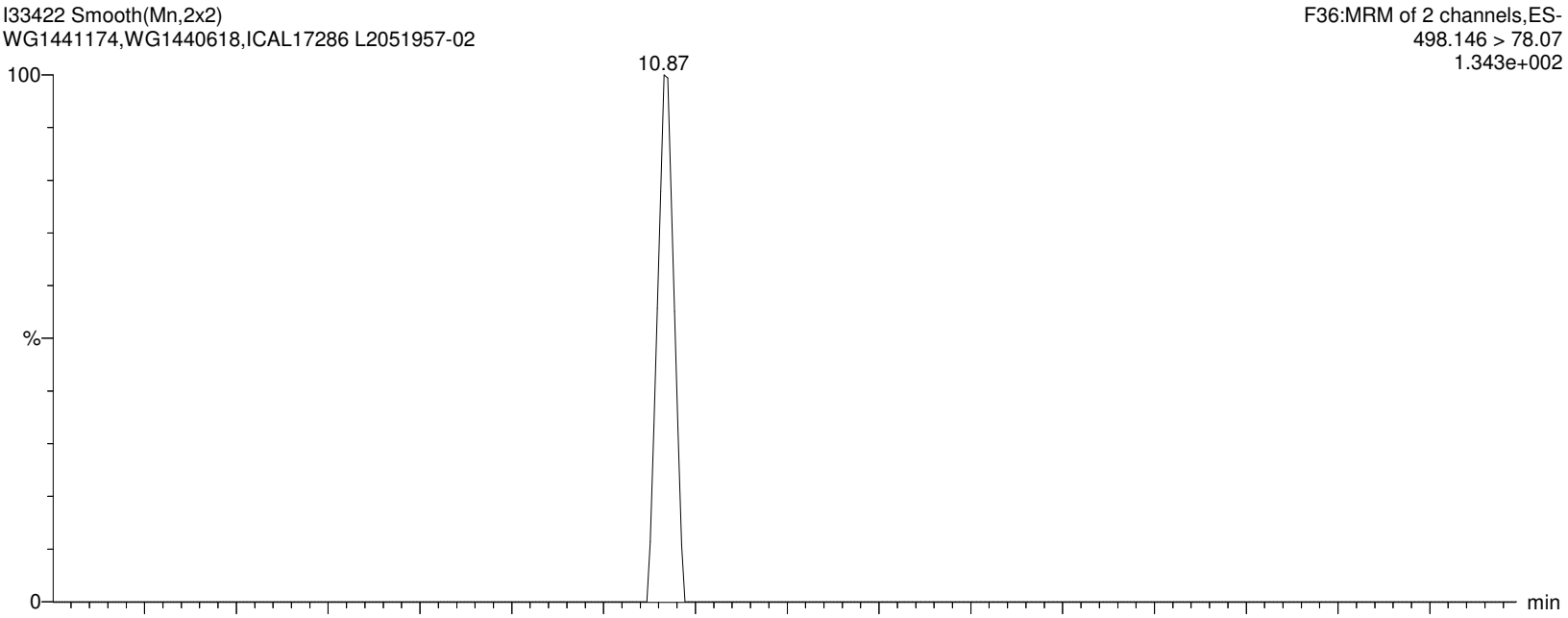

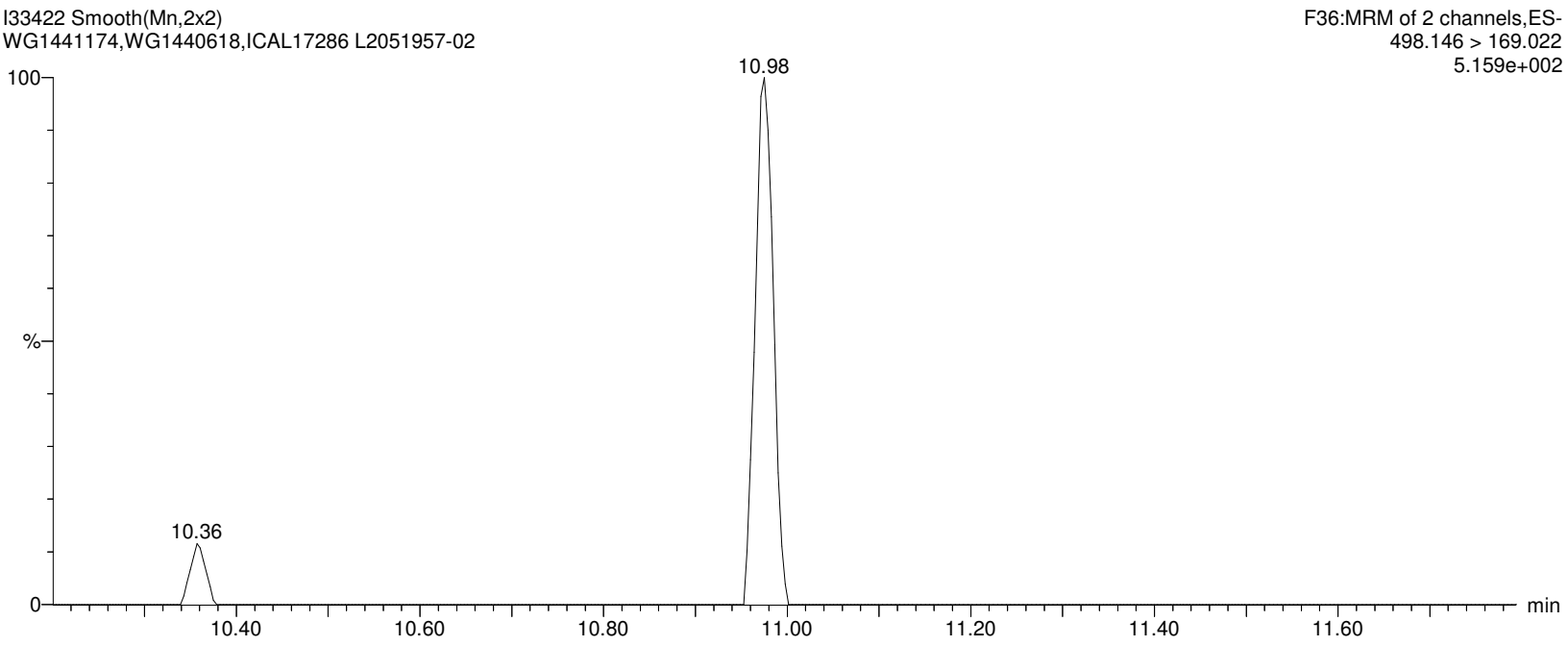

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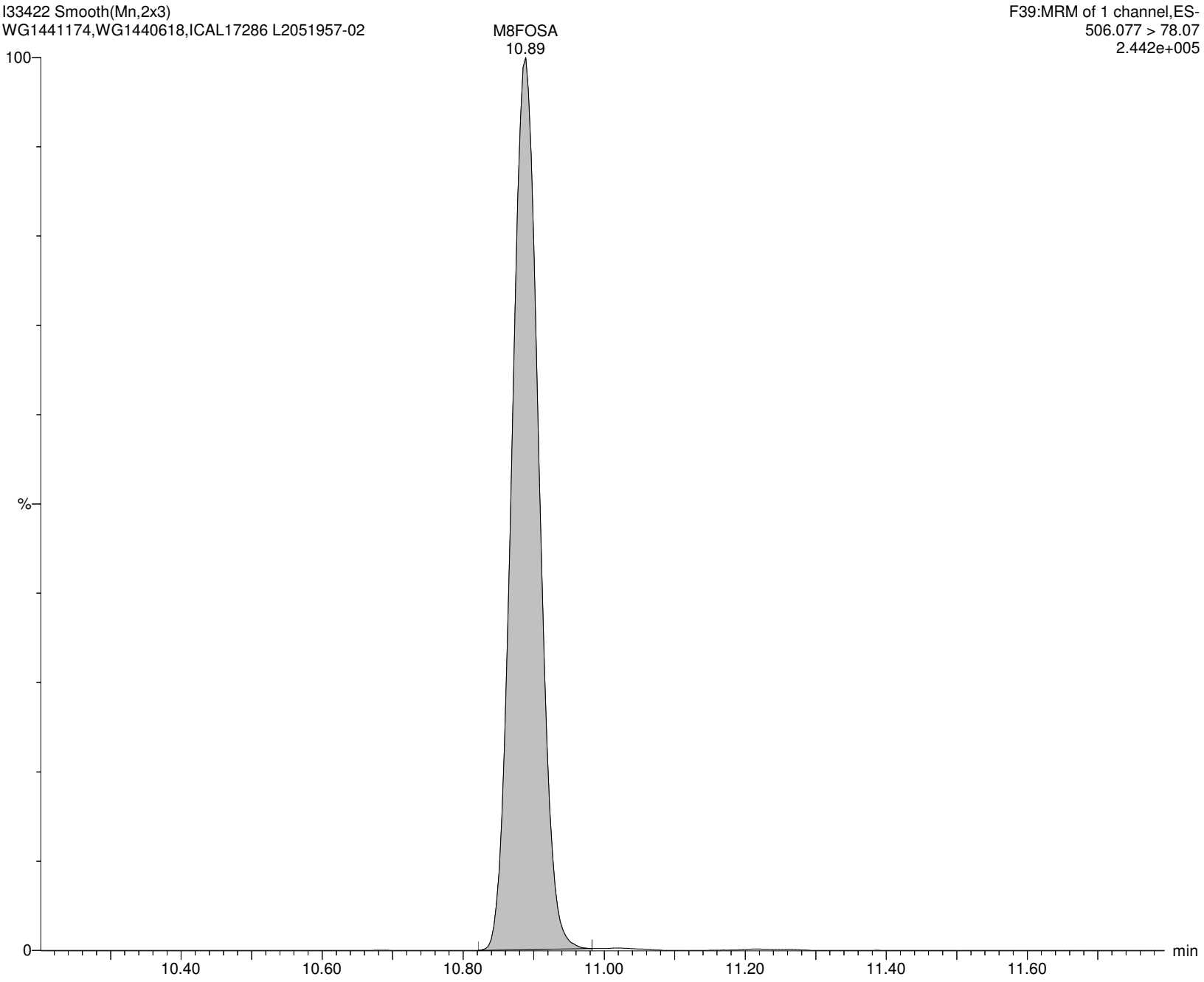

all concentration units in (ng/mL)

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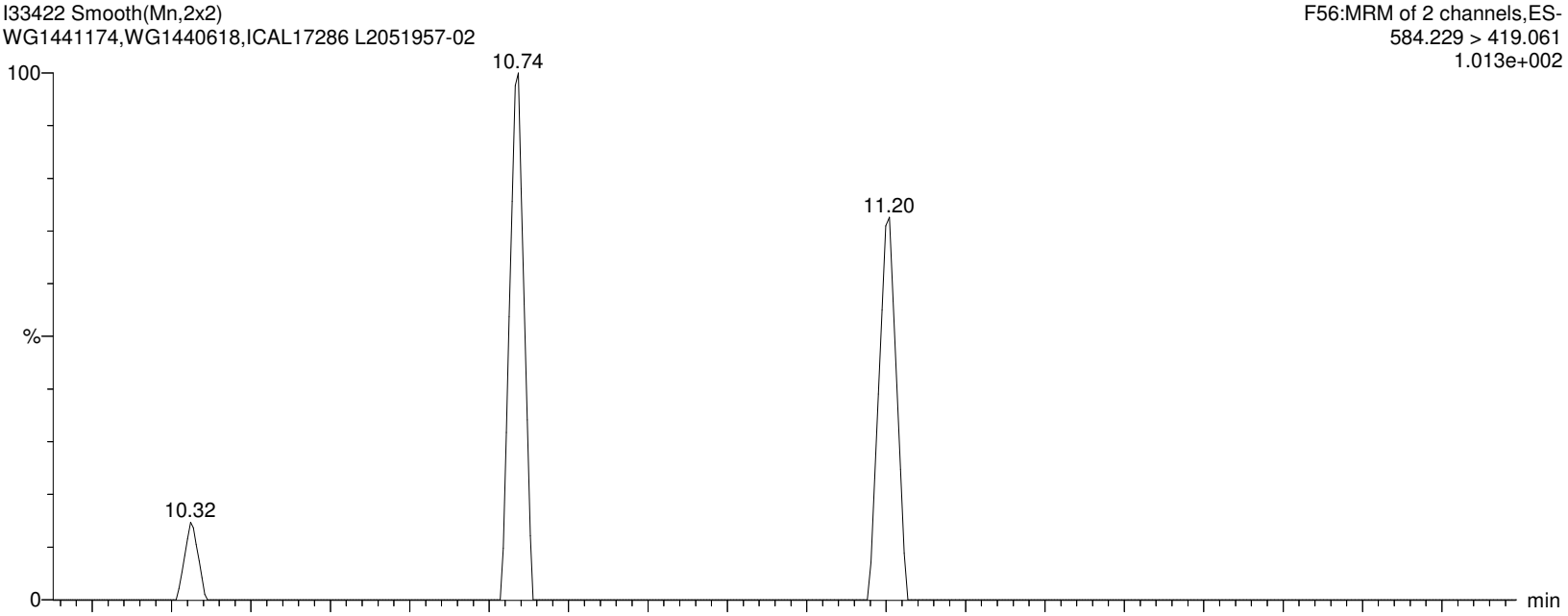

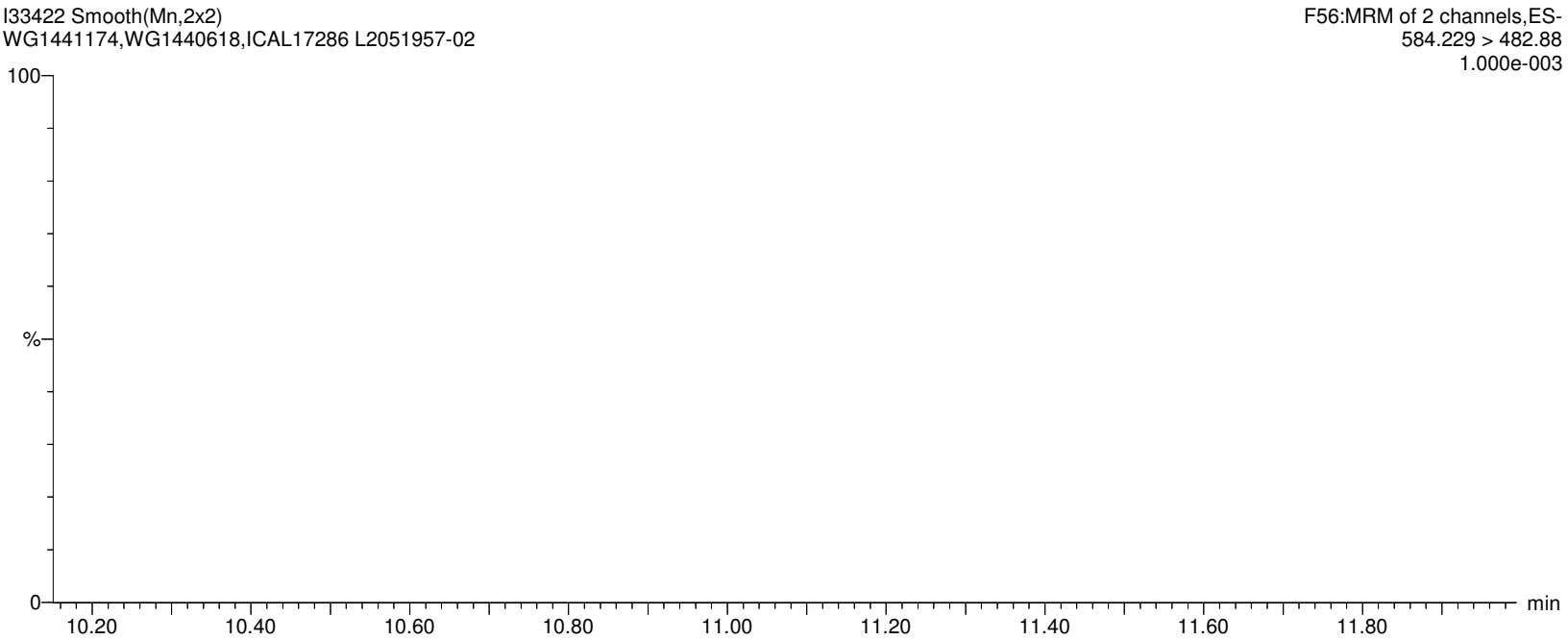

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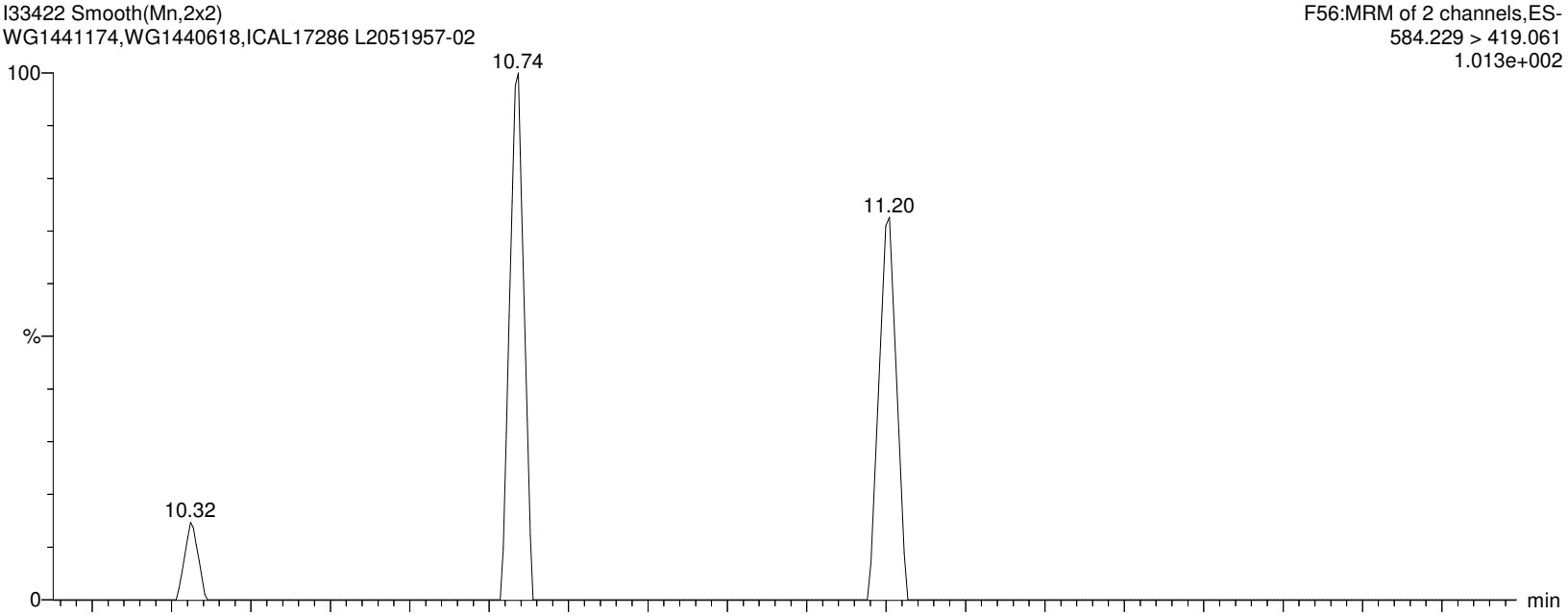

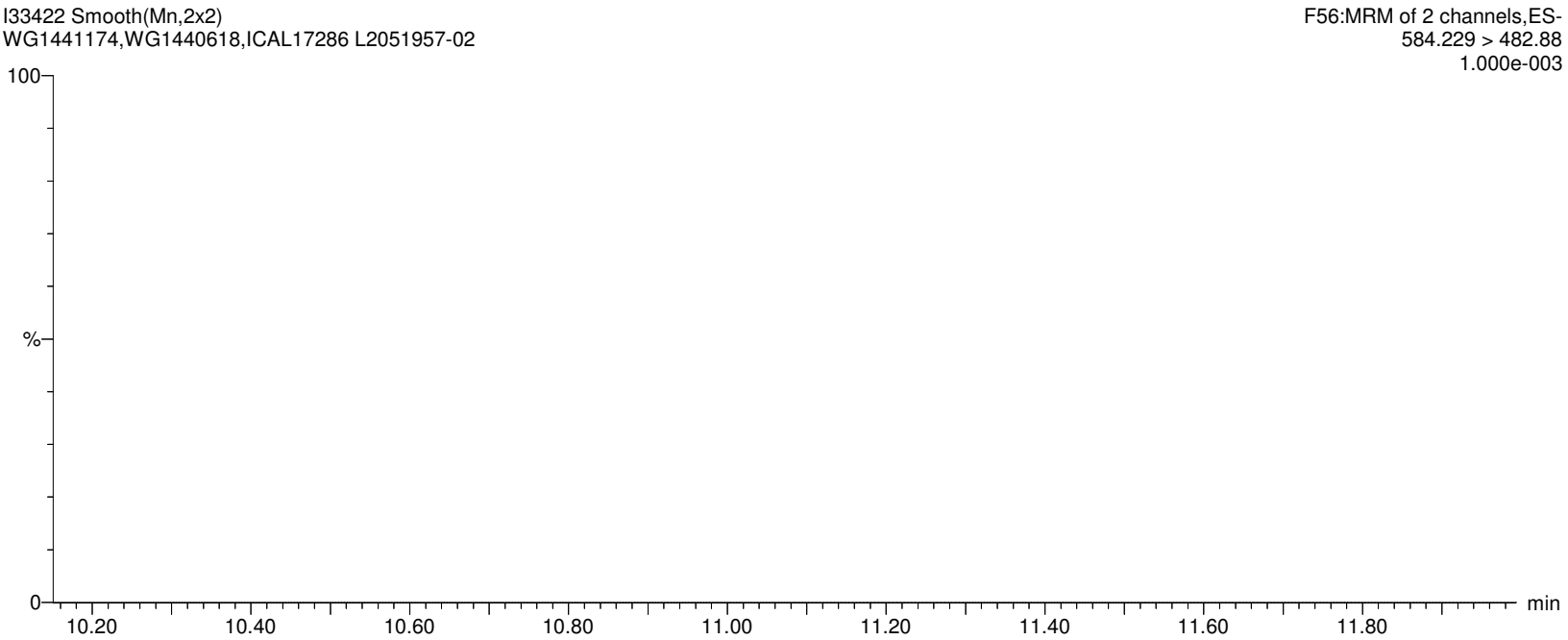

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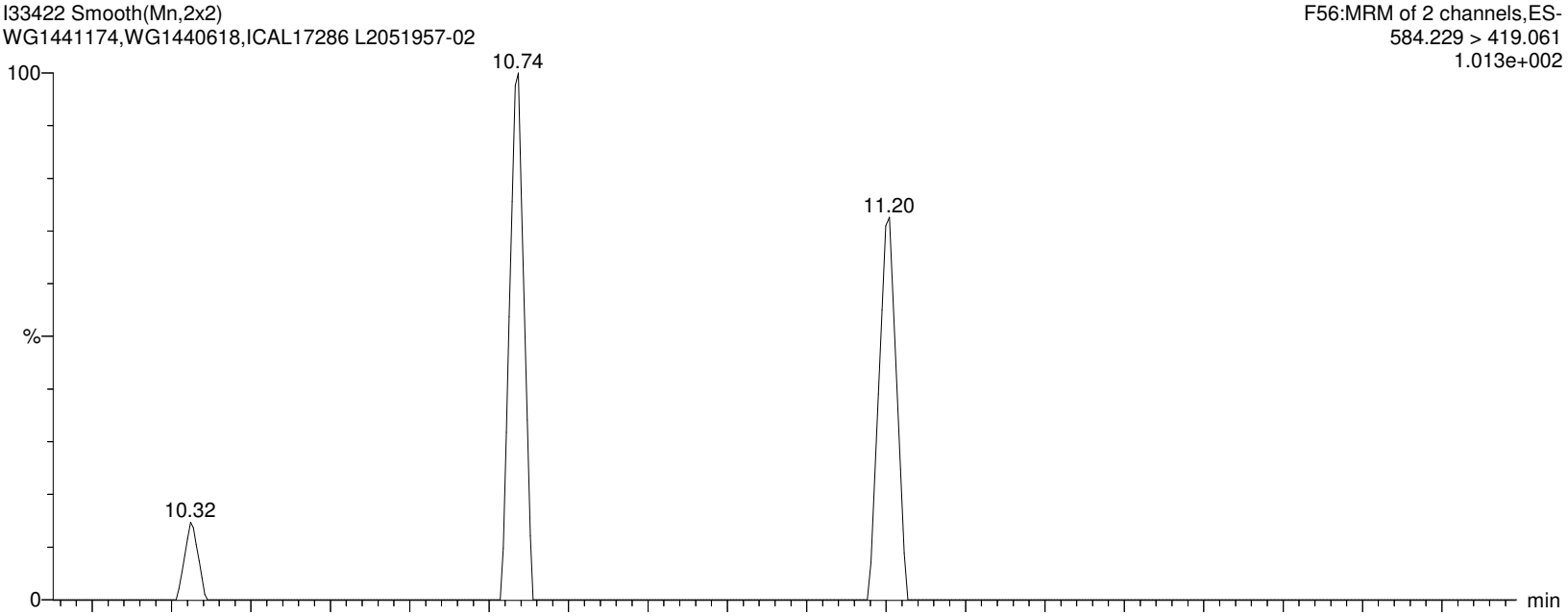

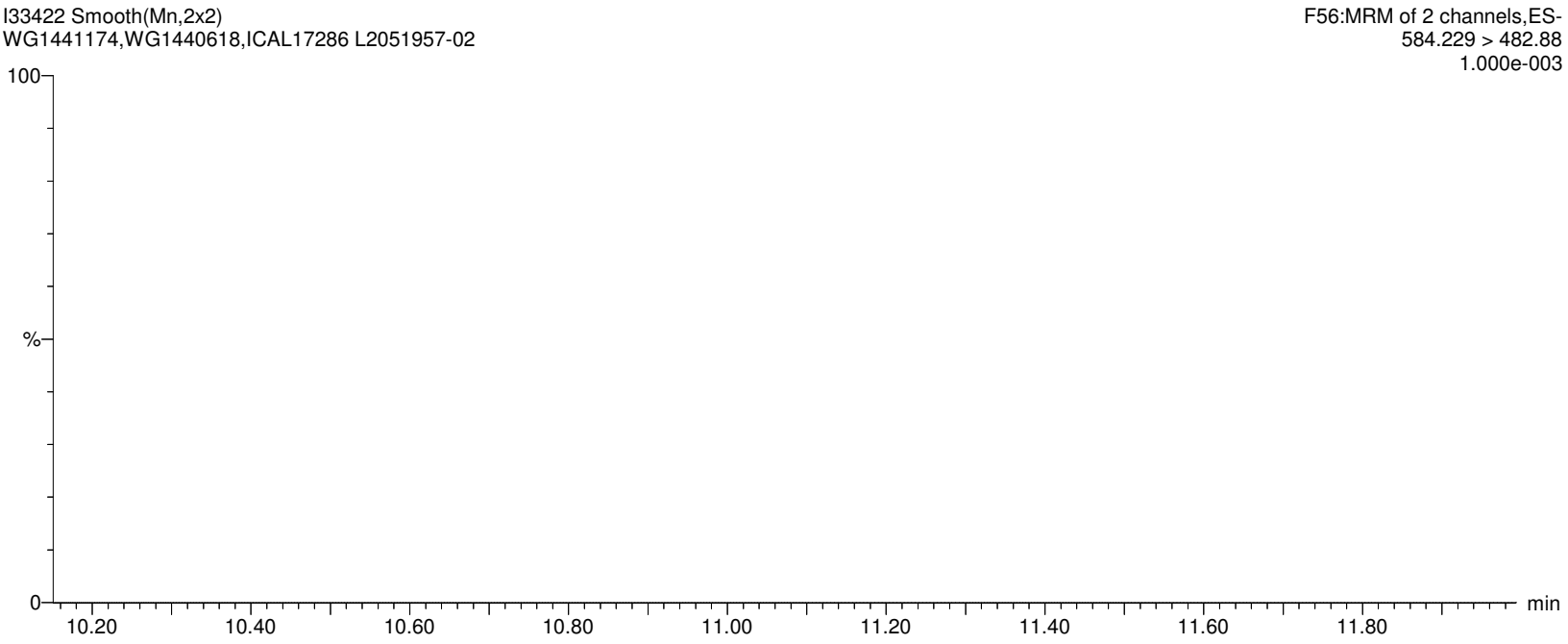

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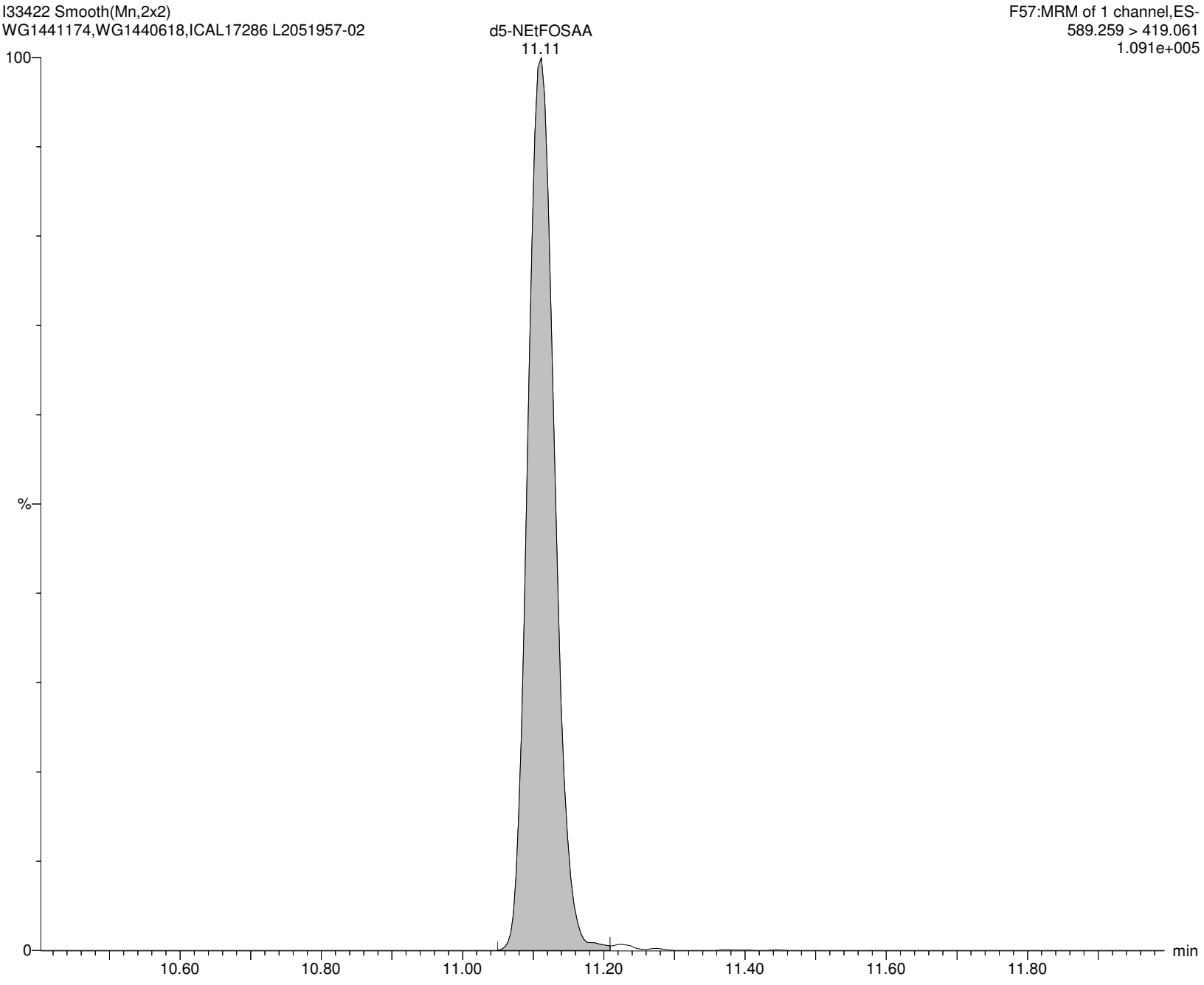

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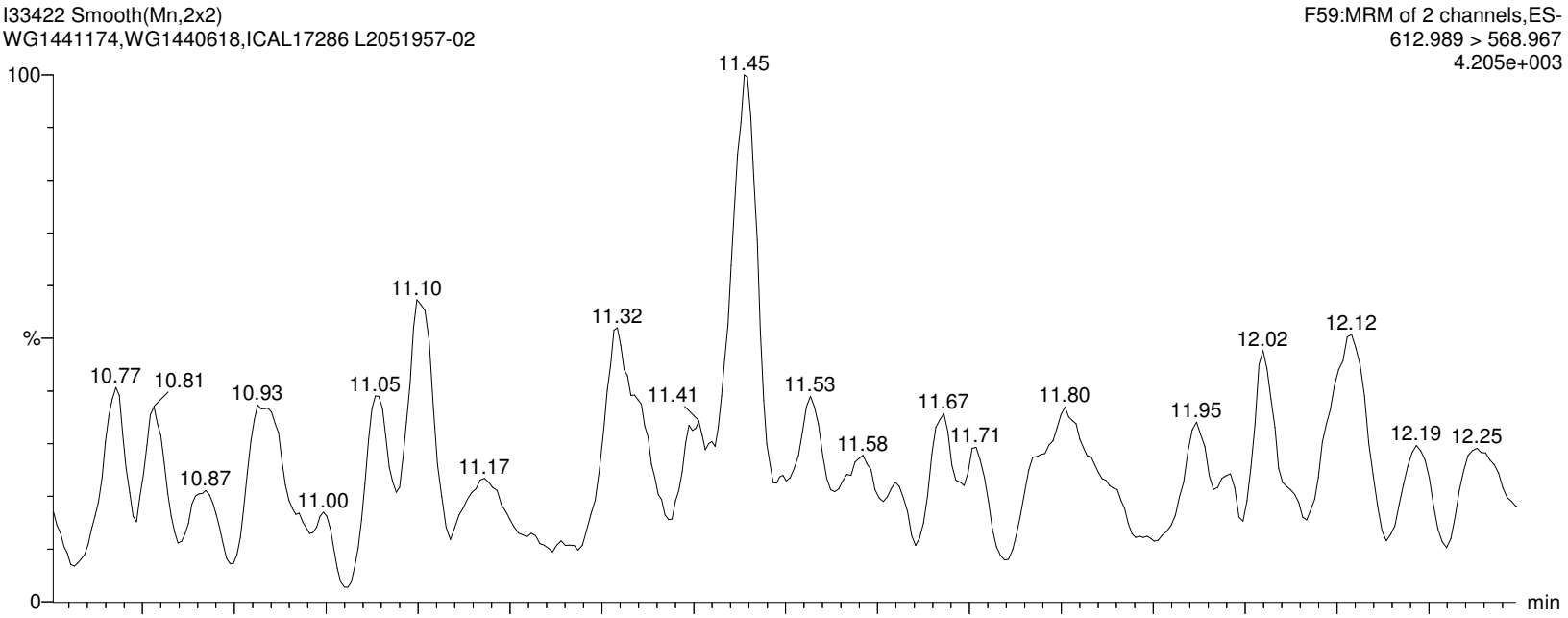

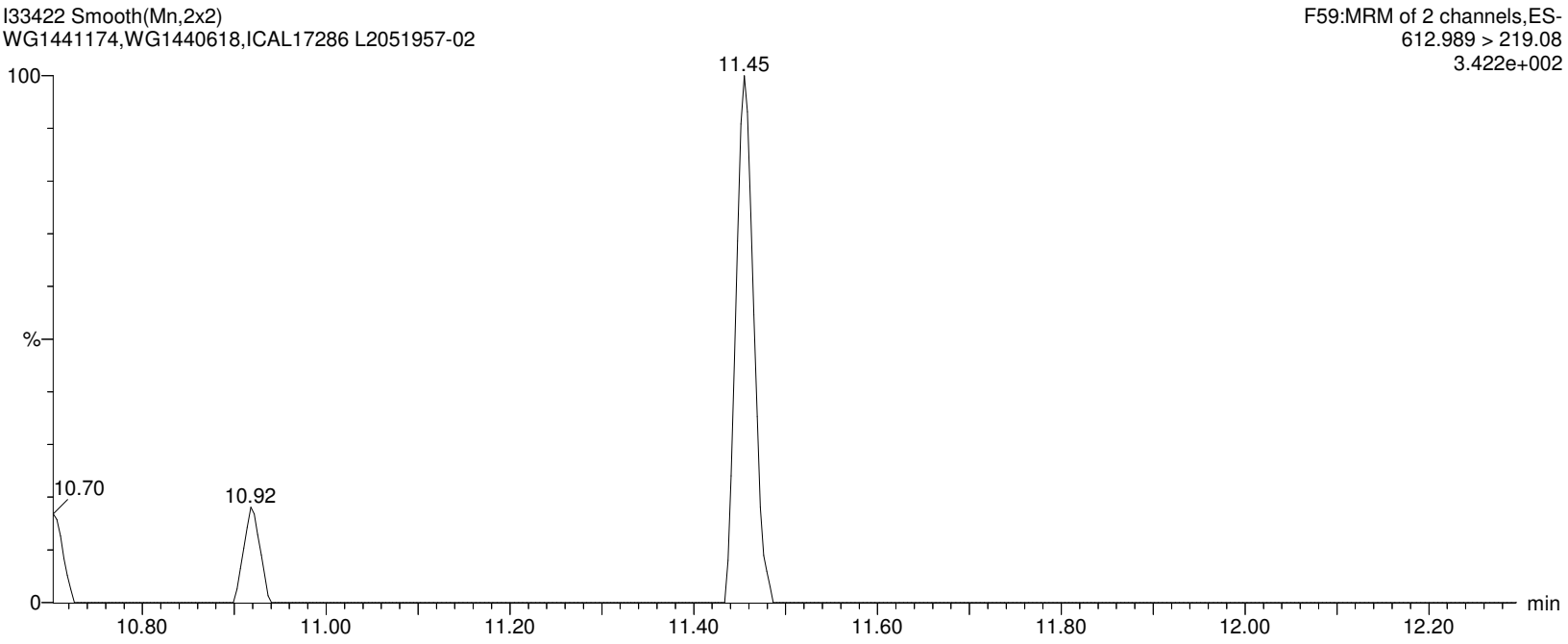

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Instrument: XEVO-TQSmicro#QEB0050
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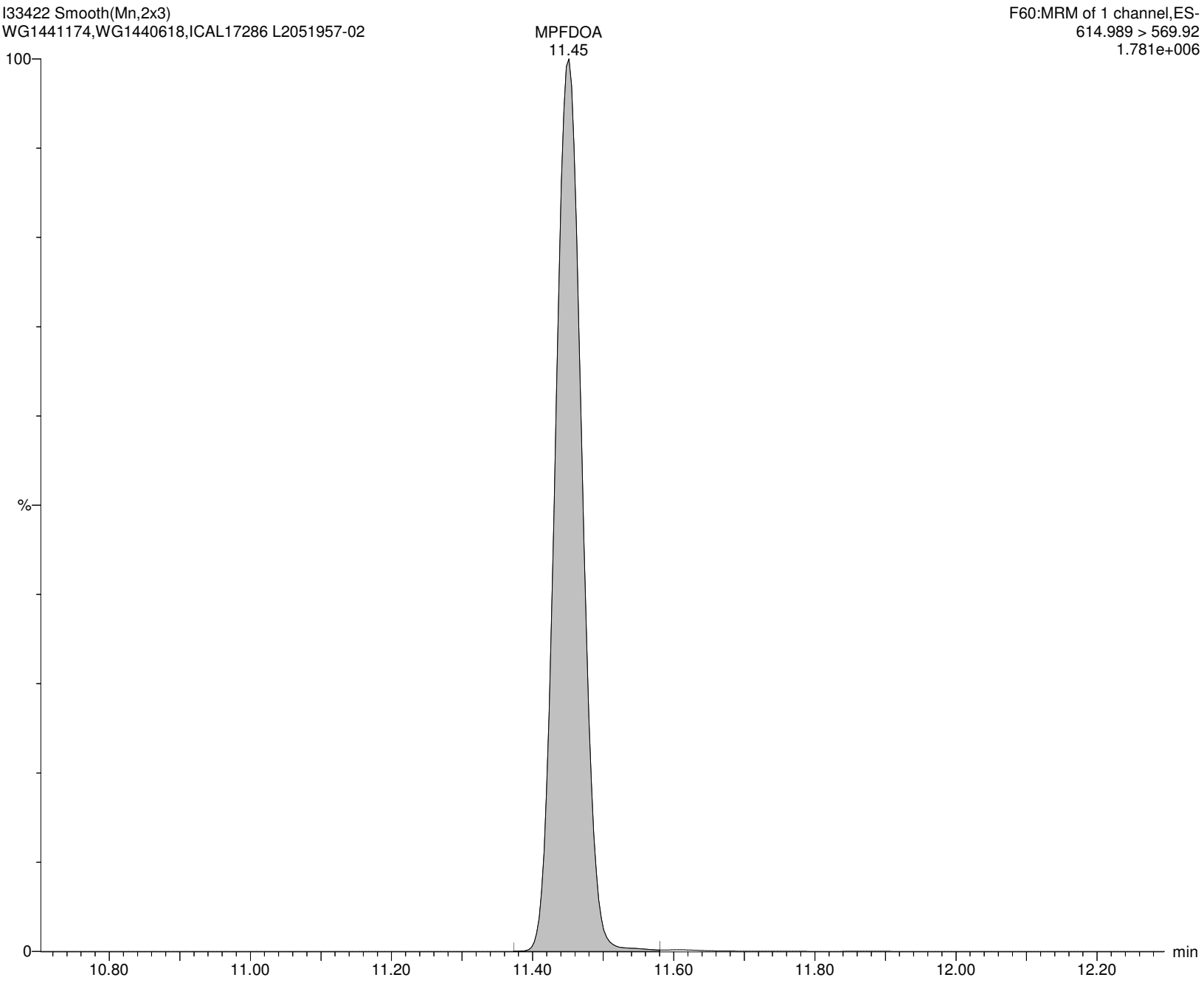
Tune Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\200520_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

MPFDOA



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
Last Altered: Sunday, December 06, 2020 22:56:32 Eastern Standard Time
Printed: Sunday, December 06, 2020 22:59:44 Eastern Standard Time

Name: I33422
ID: L2051957-02
Date: 04-Dec-2020
Time: 17:35:13
Description: WG1441174,WG1440618,ICAL17286
User: LCMS02:JW
Vial: 1:D,4
Instrument: XEVO-TQSmicro#QEB0050
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Tune Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\200520_TUNE.IPR
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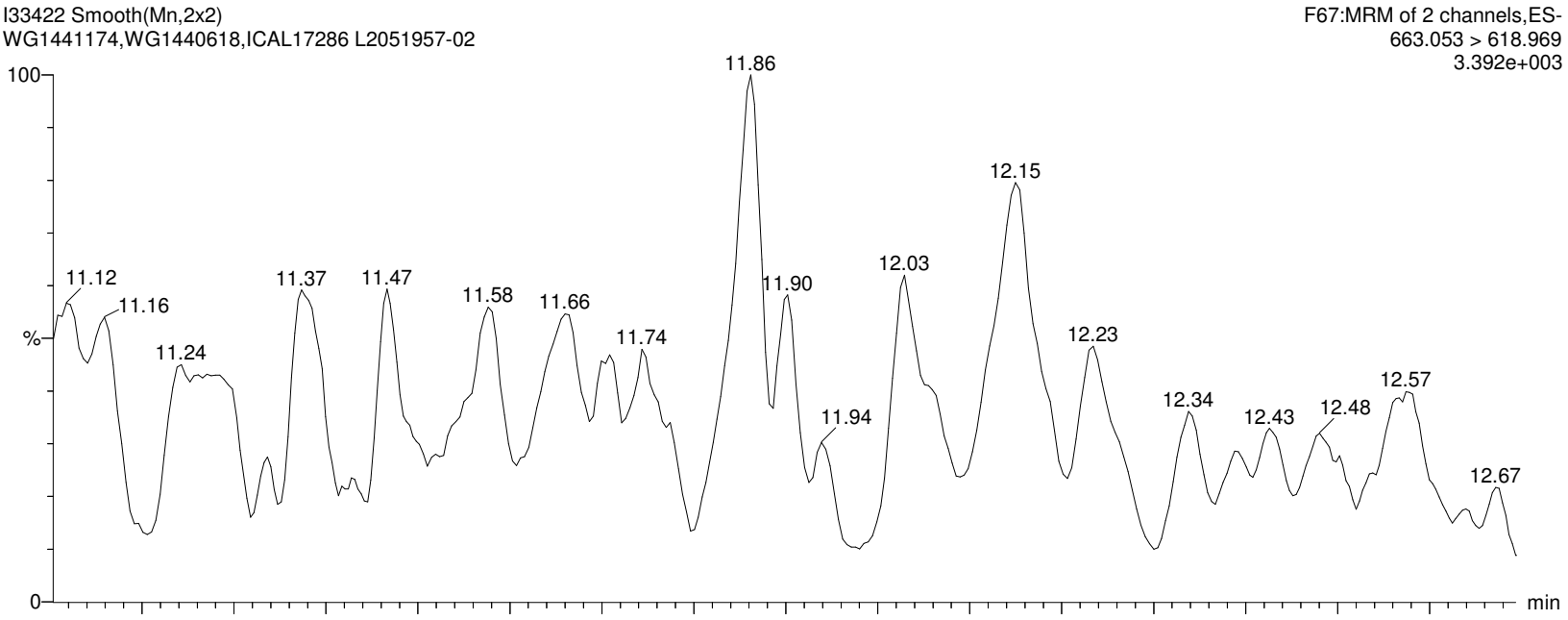
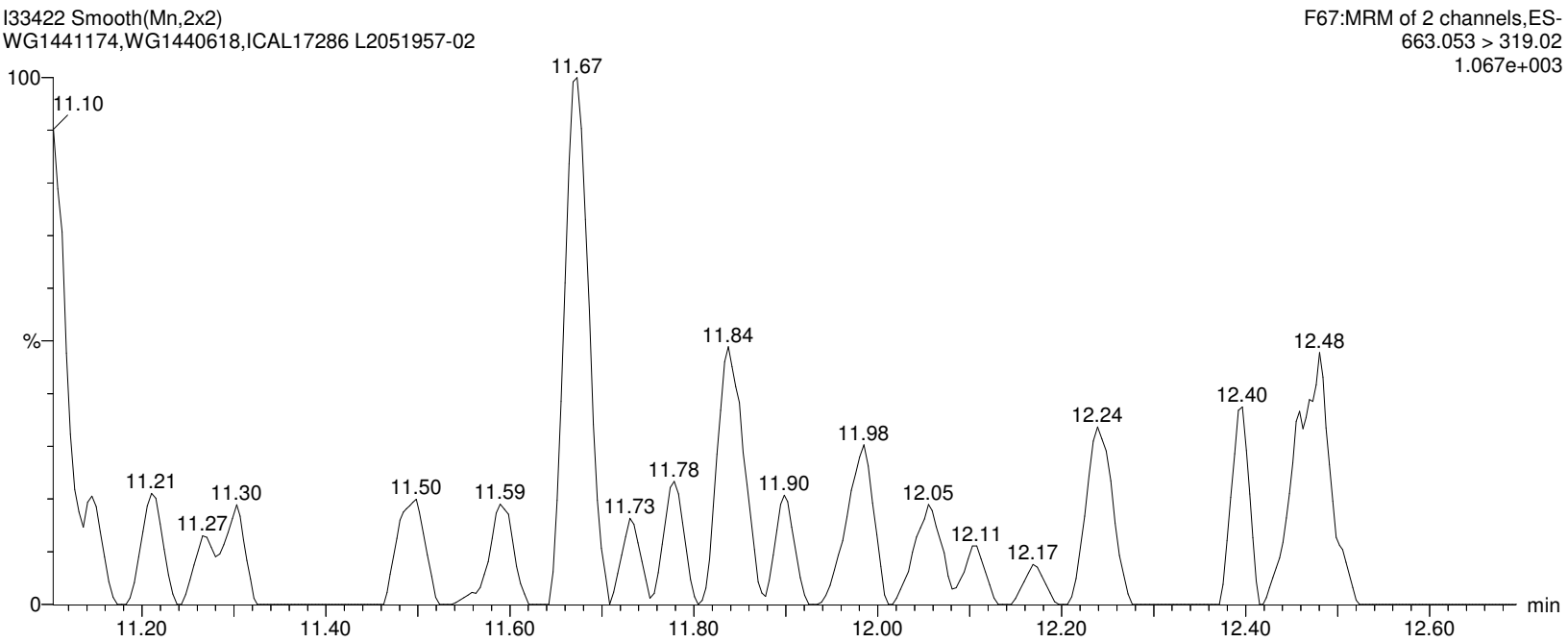
PFTrDA





all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
Last Altered: Sunday, December 06, 2020 22:56:32 Eastern Standard Time
Printed: Sunday, December 06, 2020 22:59:44 Eastern Standard Time

Name: I33422
ID: L2051957-02
Date: 04-Dec-2020
Time: 17:35:13
Description: WG1441174,WG1440618,ICAL17286
User: LCMS02:JW
Vial: 1:D,4
Instrument: XEVO-TQSmicro#QEB0050
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Tune Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\200520_TUNE.IPR
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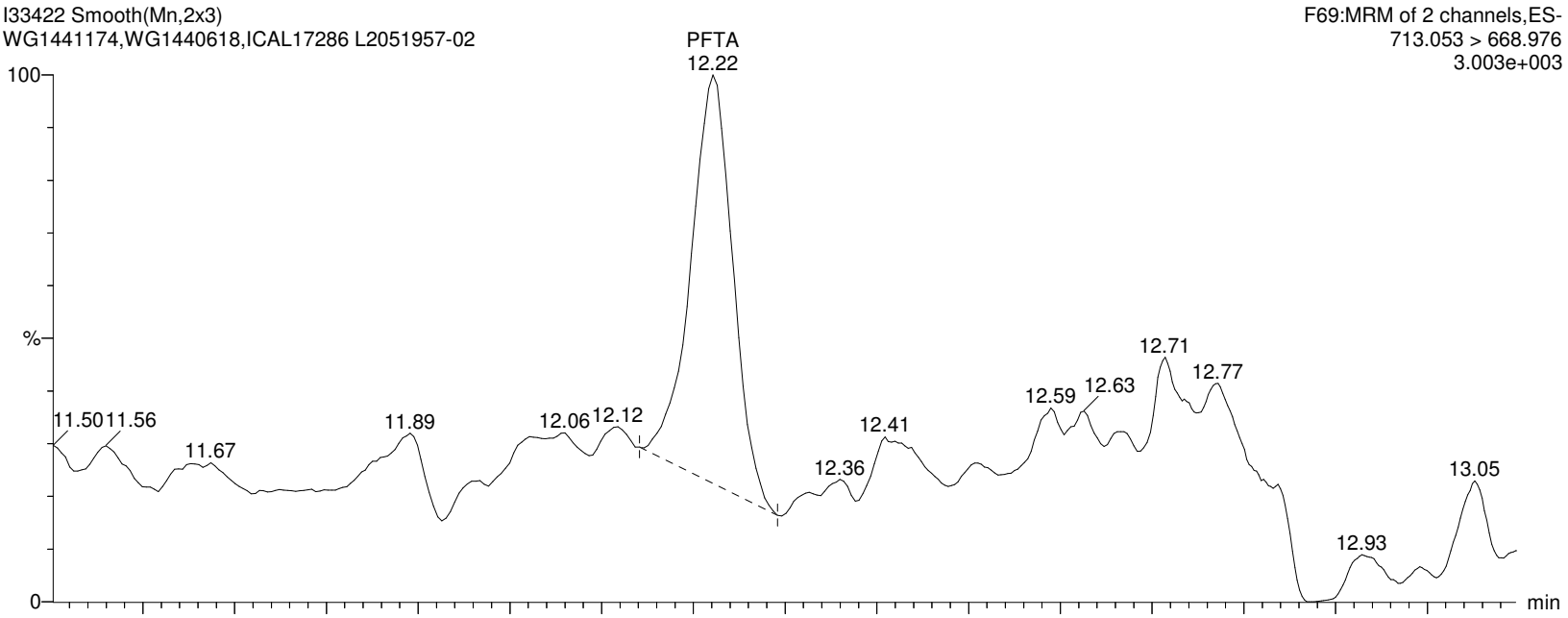
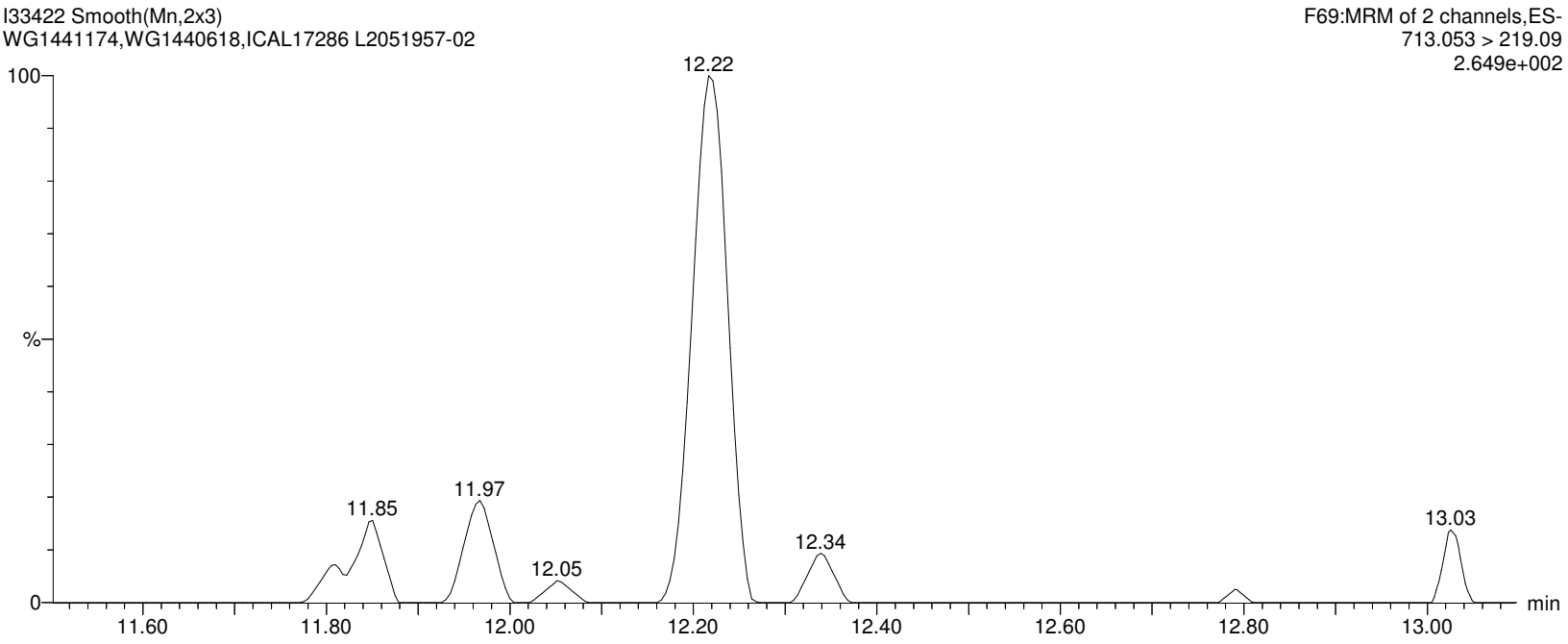
PFTA



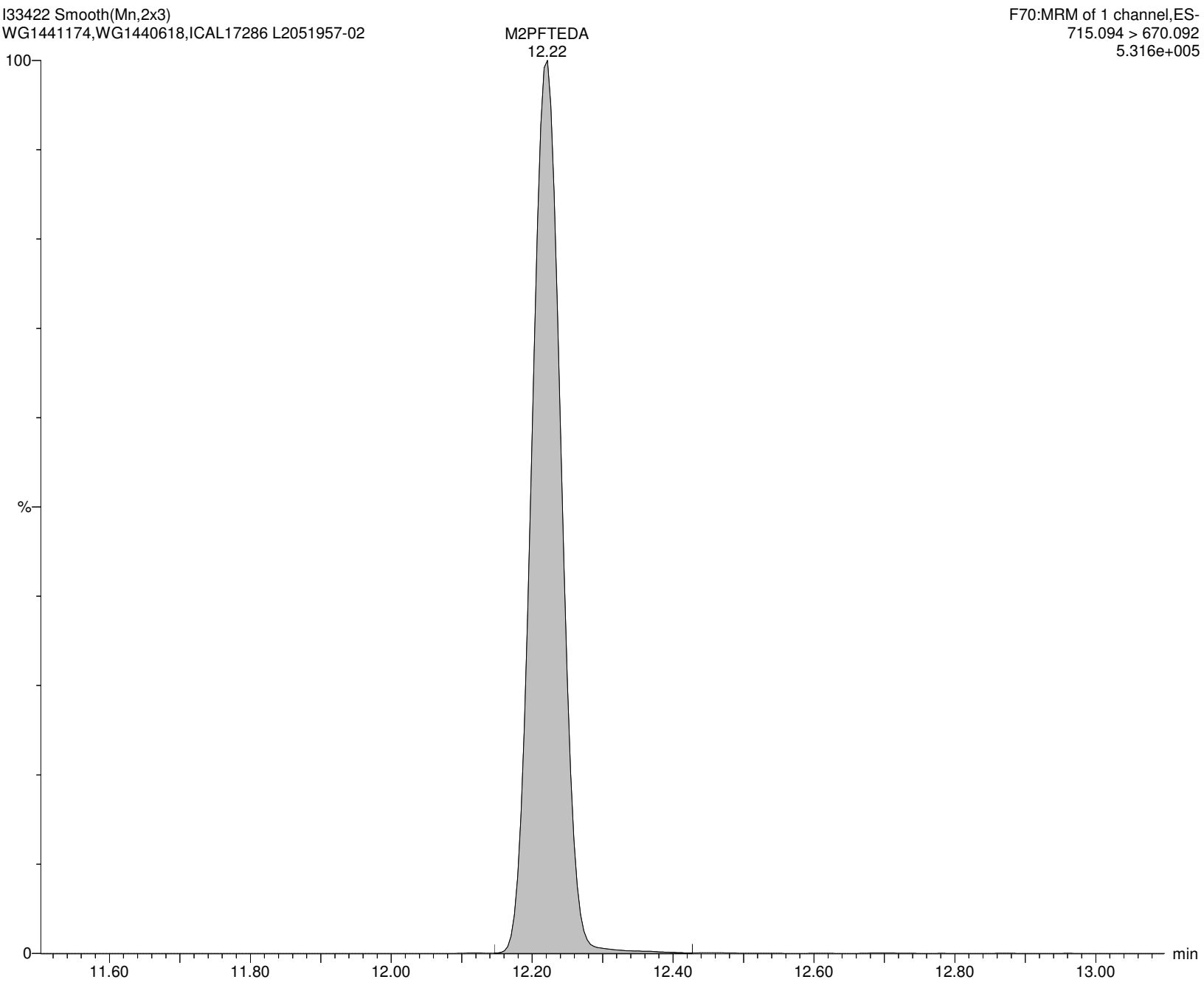


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
Last Altered: Sunday, December 06, 2020 22:56:32 Eastern Standard Time
Printed: Sunday, December 06, 2020 22:59:44 Eastern Standard Time

Name: I33422
ID: L2051957-02
Date: 04-Dec-2020
Time: 17:35:13
Description: WG1441174,WG1440618,ICAL17286
User: LCMS02:JW
Vial: 1:D,4
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\200520_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

M2PFTEDA



all concentration units in (ng/mL)

Semivolatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Semivolatiles

Client	: Langan Engineering & Environmental		Lab Number	: L2051957	
Project Name	: 266-270 W. 96TH STREET		Project Number	: 170432001	
Instrument ID	: LCMS02		Ical Ref	: ICAL17286	
Calibration dates	: 10/27/20 17:40	10/27/20 19:19			

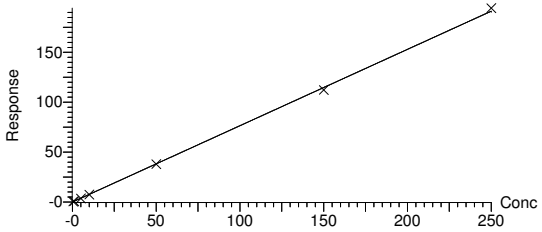
Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Method: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\MethDB\537ISO_Q_201027_TOP.mdb 15 Sep 2020 15:13:47
Calibration: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\CurveDB\201027_ISO_ICAL.cdb 28 Oct 2020 10:14:48

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	1.999	36629.883	1331.786	0.475	95.0	0.727	141		0.85
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	2.002	33983.164	2610.887	1.004	100.4	0.768	3059		0.90
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	2.008	37191.590	13700.101	4.815	96.3	0.737	4895		0.88
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	2.005	36336.988	27087.650	9.743	97.4	0.745	18726		0.85
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	2.005	35276.168	133797.125	49.572	99.1	0.759	35678		0.90
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	2.008	35278.863	396482.969	146.887	97.9	0.749	128625		0.78
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	2.008	33833.730	657531.688	254.004	101.6	0.777	135414		0.74

Compound name: PFBA
Coefficient of Determination: R^2 = 0.999675
Calibration curve: 0.765115 * x
Response type: Internal Std (Ref 3), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

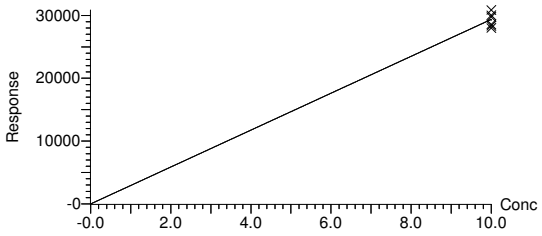
Client	: Langan Engineering & Environmental		Lab Number	: L2051957	
Project Name	: 266-270 W. 96TH STREET		Project Number	: 170432001	
Instrument ID	: LCMS02		Ical Ref	: ICAL17286	
Calibration dates	: 10/27/20 17:40	10/27/20 19:19			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: M3PFBA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	2.000		30867.322	10.510	105.1	3086.732	23217		0.83
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	2.000		28340.900	9.649	96.5	2834.090	10182		0.89
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	2.006		29770.398	10.136	101.4	2977.040	10518		0.88
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	2.006		30035.455	10.226	102.3	3003.546	18700		0.85
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	2.003		30020.750	10.221	102.2	3002.075	5847		0.90
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	2.006		28558.277	9.724	97.2	2855.828	44311		0.79
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	2.009		27999.389	9.533	95.3	2799.939	40870		0.74

Compound name: M3PFBA
Response Factor: 2937.04
RRF SD: 106.967, % Relative SD: 3.64199
Response type: External Std, Area
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

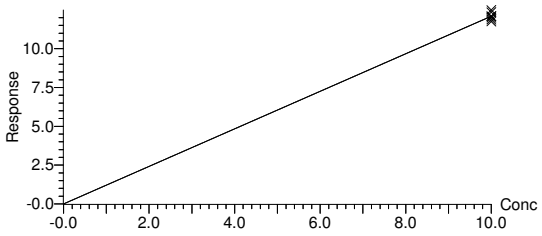
Client	: Langan Engineering & Environmental		Lab Number	: L2051957	
Project Name	: 266-270 W. 96TH STREET		Project Number	: 170432001	
Instrument ID	: LCMS02		Ical Ref	: ICAL17286	
Calibration dates	: 10/27/20 17:40	10/27/20 19:19			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: MPFBA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	2.001	30867.322	36629.883	9.815	98.1	1.187	59215		0.83
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	2.001	28340.900	33983.164	9.917	99.2	1.199	35169		0.89
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	2.007	29770.398	37191.590	10.332	103.3	1.249	21060		0.87
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	2.004	30035.455	36336.988	10.006	100.1	1.210	20560		0.86
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	2.004	30020.750	35276.168	9.719	97.2	1.175	3079		0.89
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	2.007	28558.277	35278.863	10.217	102.2	1.235	22003		0.78
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	2.007	27999.389	33833.730	9.994	99.9	1.208	48408		0.74

Compound name: MPFBA
Response Factor: 1.20909
RRF SD: 0.0260282, % Relative SD: 2.15272
Response type: Internal Std (Ref 2), Area * (IS Conc. / IS Area)
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

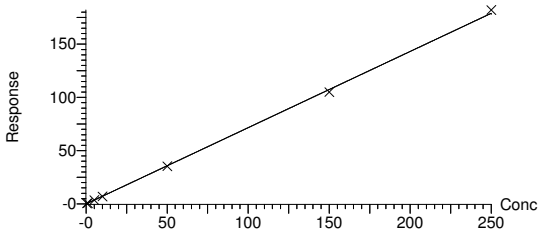
Client	: Langan Engineering & Environmental		Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET		Project Number	: 170432001
Instrument ID	: LCMS02		Ical Ref	: ICAL17286
Calibration dates	: 10/27/20 17:40	10/27/20 19:19		

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: PFPeA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	4.849	48582.691	1751.459	0.504	100.7	0.721	533		1.14
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	4.852	44622.344	3265.628	1.022	102.2	0.732	1452		1.19
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	4.858	47937.887	16783.410	4.890	97.8	0.700	5700		1.15
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	4.855	47489.379	32833.141	9.657	96.6	0.691	1710		1.16
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	4.855	44931.820	159103.422	49.461	98.9	0.708	47819		1.18
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	4.849	44669.379	468970.625	146.646	97.8	0.700	133267		1.08
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	4.843	41903.691	762954.688	254.320	101.7	0.728	127492		1.05

Compound name: PFPeA
Coefficient of Determination: R^2 = 0.999624
Calibration curve: 0.715922 * x
Response type: Internal Std (Ref 5), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

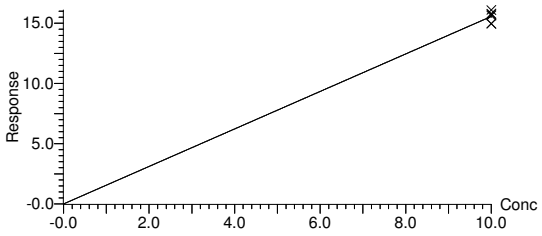
Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Instrument ID	: LCMS02	Ical Ref	: ICAL17286
Calibration dates	: 10/27/20 17:40 10/27/20 19:19		

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: M5PFPEA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	4.850	30867.322	48582.691	10.110	101.1	1.574	59150		0.98
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	4.853	28340.900	44622.344	10.114	101.1	1.574	6676		1.05
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	4.856	29770.398	47937.887	10.344	103.4	1.610	37655		1.05
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	4.859	30035.455	47489.379	10.157	101.6	1.581	18368		0.98
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	4.853	30020.750	44931.820	9.614	96.1	1.497	6807		1.08
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	4.853	28558.277	44669.379	10.048	100.5	1.564	15443		0.90
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	4.850	27999.389	41903.691	9.614	96.1	1.497	5381		0.85

Compound name: M5PFPEA
Response Factor: 1.55674
RRF SD: 0.0434856, % Relative SD: 2.79337
Response type: Internal Std (Ref 2), Area * (IS Conc. / IS Area)
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

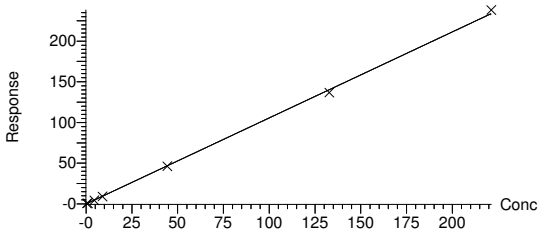
Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Instrument ID	: LCMS02	Ical Ref	: ICAL17286
Calibration dates	: 10/27/20 17:40 10/27/20 19:19		

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: PFBS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	5.504	9584.210	429.945	0.425	96.0	1.014	4445	72	0.90
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	5.504	9102.530	852.820	0.887	100.2	1.059	430	92	0.91
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	5.507	9667.796	4386.881	4.295	97.1	1.025	1621	442	0.89
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	5.507	9588.503	8637.362	8.527	96.3	1.018	2726	956	0.87
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	5.504	9216.234	42640.316	43.793	99.0	1.046	10148	4940	0.93
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	5.500	8706.579	119077.719	129.456	97.5	1.030	11708	12591	0.77
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	5.500	7824.073	186371.891	225.470	101.9	1.077	25156	6822	0.73

Compound name: PFBS
Coefficient of Determination: R^2 = 0.999542
Calibration curve: 1.05648 * x
Response type: Internal Std (Ref 7), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

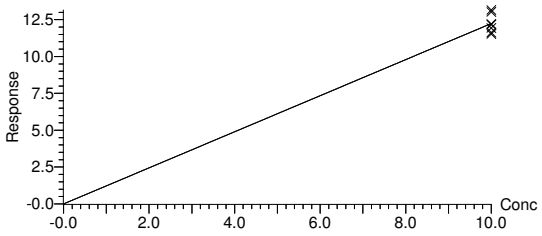
Client	: Langan Engineering & Environmental		Lab Number	: L2051957	
Project Name	: 266-270 W. 96TH STREET		Project Number	: 170432001	
Instrument ID	: LCMS02		Ical Ref	: ICAL17286	
Calibration dates	: 10/27/20 17:40	10/27/20 19:19			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: M3PFBS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	5.504	8237.715	9584.210	9.507	95.1	1.163	1220		0.83
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	5.504	7629.246	9102.530	9.750	97.5	1.193	881		0.90
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	5.508	7951.753	9667.796	9.935	99.4	1.216	1800		0.89
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	5.508	8313.277	9588.503	9.425	94.3	1.153	1170		0.85
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	5.504	7545.956	9216.234	9.980	99.8	1.221	2561		0.92
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	5.497	6617.395	8706.579	10.751	107.5	1.316	1472		0.81
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	5.497	6002.718	7824.073	10.651	106.5	1.303	1327		0.74

Compound name: M3PFBS
Response Factor: 1.22375
RRF SD: 0.0637668, % Relative SD: 5.21077
Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

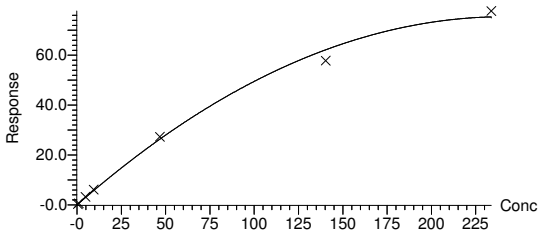
Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Instrument ID	: LCMS02	Ical Ref	: ICAL17286
Calibration dates	: 10/27/20 17:40 10/27/20 19:19		

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: 4:2FTS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	6.659	3397.517	96.695	0.456	97.6	0.609	17	12	0.76
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	6.648	2955.467	203.048	1.103	118.0	0.735	3268	14	0.98
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	6.648	3023.160	993.445	5.322	113.8	0.703	577	7285	1.09
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	6.651	3065.863	1896.069	10.118	108.2	0.661	32750	799	0.88
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	6.648	3355.332	9179.643	48.736	104.2	0.585	2063	1293	0.97
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	6.644	4612.753	26685.746	124.968	89.1	0.412	7378	3122	0.91
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	6.644	5634.371	43801.742			0.333	6838	2145	0.86

Compound name: 4:2FTS
Coefficient of Determination: R^2 = 0.996406
Calibration curve: -0.00129109 * x^2 + 0.624279 * x
Response type: Internal Std (Ref 9), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

Client	:	Langan Engineering & Environmental	Lab Number	:	L2051957
Project Name	:	266-270 W. 96TH STREET	Project Number	:	170432001
Instrument ID	:	LCMS02	Ical Ref	:	ICAL17286
Calibration dates	:	10/27/20 17:40 10/27/20 19:19			

Alpha Analytical Inc.
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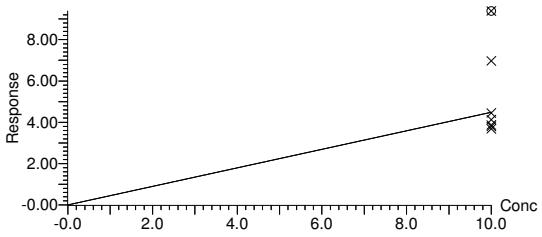
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: M2-4:2FTS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	6.648	8237.715	3397.517	9.198	92.0	0.412	304		0.89
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	6.648	7629.246	2955.467	8.639	86.4	0.387	1244		0.95
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	6.652	7951.753	3023.160	8.478	84.8	0.380	1516		0.93
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	6.652	8313.277	3065.863	8.224	82.2	0.369	6826		0.84
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	6.648	7545.956	3355.332	9.916	99.2	0.445	868		0.96
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	6.644	6617.395	4612.753	15.545	155.4	0.697	1569		0.89
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	6.644	6002.718	5634.371	20.932	209.3	0.939	1504		0.87

Compound name: M2-4:2FTS
Response Factor: 0.44842
RRF SD: 0.124784, % Relative SD: 27.8274
Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Langan Engineering & Environmental		Lab Number	: L2051957	
Project Name	: 266-270 W. 96TH STREET		Project Number	: 170432001	
Instrument ID	: LCMS02		Ical Ref	: ICAL17286	
Calibration dates	: 10/27/20 17:40	10/27/20 19:19			

Alpha Analytical Inc.
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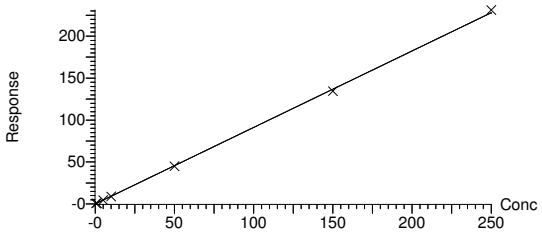
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: PFHxA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	6.725	43978.688	2130.806	0.531	106.3	0.969	352	23	0.93
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	6.725	39991.105	3940.748	1.081	108.1	0.985	451	70	1.00
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	6.729	43688.758	19803.695	4.971	99.4	0.907	2432	269	0.96
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	6.729	42545.617	37474.828	9.659	96.6	0.881	1573	447	0.93
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	6.725	40018.801	179828.781	49.277	98.6	0.899	12027	1530	1.01
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	6.721	38097.172	512194.344	147.431	98.3	0.896	25122	5331	0.96
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	6.721	35152.961	812787.813	253.550	101.4	0.925	15096	16260	0.94

Compound name: PFHxA
Coefficient of Determination: R^2 = 0.999723
Calibration curve: 0.91191 * x
Response type: Internal Std (Ref 11), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

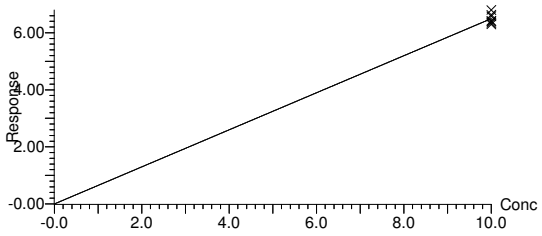
Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Instrument ID	: LCMS02	Ical Ref	: ICAL17286
Calibration dates	: 10/27/20 17:40 10/27/20 19:19		

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: M5PFHxA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	6.726	69847.859	43978.688	9.694	96.9	0.630	7254		0.92
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	6.726	63009.621	39991.105	9.771	97.7	0.635	2673		0.95
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	6.726	66413.383	43688.758	10.128	101.3	0.658	3364		1.01
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	6.726	66536.914	42545.617	9.844	98.4	0.639	2175		0.97
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	6.726	62298.621	40018.801	9.890	98.9	0.642	2946		0.97
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	6.722	56034.859	38097.172	10.467	104.7	0.680	3305		0.92
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	6.722	53029.133	35152.961	10.206	102.1	0.663	2507		0.90

Compound name: M5PFHxA
Response Factor: 0.649533
RRF SD: 0.0179745, % Relative SD: 2.7673
Response type: Internal Std (Ref 21), Area * (IS Conc. / IS Area)
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

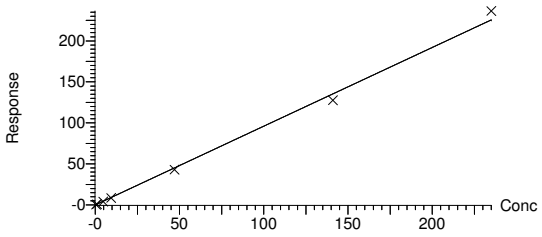
Client	: Langan Engineering & Environmental		Lab Number	: L2051957	
Project Name	: 266-270 W. 96TH STREET		Project Number	: 170432001	
Instrument ID	: LCMS02		Ical Ref	: ICAL17286	
Calibration dates	: 10/27/20 17:40	10/27/20 19:19			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: PFPeS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	7.045	8997.679	341.737	0.396	84.2	0.808	6493	5	1.04
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	7.049	8296.991	705.173	0.885	94.2	0.904	13481	35	0.97
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	7.049	8928.164	3778.355	4.408	93.8	0.900	443	221	1.07
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	7.049	8588.098	7222.685	8.760	93.2	0.895	1537	3939	0.94
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	7.049	8222.822	35292.180	44.706	95.1	0.913	5293	2895	0.99
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	7.042	7444.395	95085.969	133.044	94.4	0.906	11307	7330	0.97
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	7.038	6188.457	146338.891	246.311	104.8	1.006	9354	6740	1.01

Compound name: PFPeS
Coefficient of Determination: R^2 = 0.997234
Calibration curve: 0.960048 * x
Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

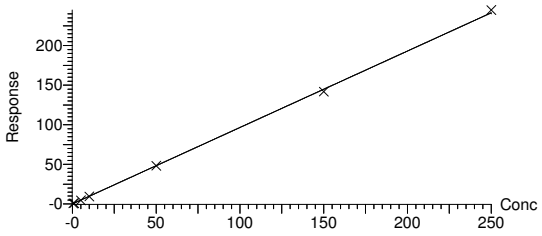
Client	: Langan Engineering & Environmental		Lab Number	: L2051957	
Project Name	: 266-270 W. 96TH STREET		Project Number	: 170432001	
Instrument ID	: LCMS02		Ical Ref	: ICAL17286	
Calibration dates	: 10/27/20 17:40	10/27/20 19:19			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: PFHpA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	7.989	56300.918	2683.943	0.494	98.7	0.953	667	12	1.03
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	7.988	51154.141	5155.126	1.043	104.3	1.008	1001	355	1.09
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	7.989	55588.770	26102.111	4.862	97.2	0.939	3935	1683	1.04
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	7.992	54333.383	50775.520	9.676	96.8	0.935	3929	1573	1.02
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	7.995	49625.898	238648.891	49.792	99.6	0.962	15058	5666	1.03
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	7.992	46998.316	667100.250	146.967	98.0	0.946	19912	11793	1.06
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	7.995	42342.320	1037354.375	253.666	101.5	0.980	25171	13594	1.08

Compound name: PFHpA
Coefficient of Determination: R^2 = 0.999707
Calibration curve: 0.965806 * x
Response type: Internal Std (Ref 14), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

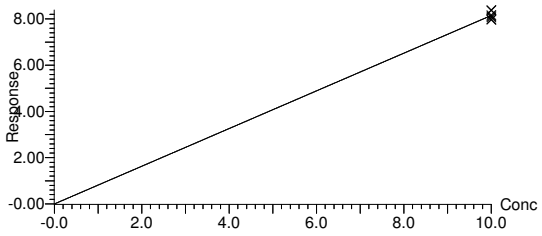
Client	: Langan Engineering & Environmental		Lab Number	: L2051957	
Project Name	: 266-270 W. 96TH STREET		Project Number	: 170432001	
Instrument ID	: LCMS02		Ical Ref	: ICAL17286	
Calibration dates	: 10/27/20 17:40	10/27/20 19:19			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: M4PFHpA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	7.989	69847.859	56300.918	9.890	98.9	0.806	9941		1.00
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	7.989	63009.621	51154.141	9.961	99.6	0.812	6225		1.04
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	7.989	66413.383	55588.770	10.270	102.7	0.837	3209		1.03
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	7.992	66536.914	54333.383	10.019	100.2	0.817	4283		1.01
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	7.992	62298.621	49625.898	9.774	97.7	0.797	4197		1.10
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	7.992	56034.859	46998.316	10.291	102.9	0.839	6057		1.03
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	7.995	53029.133	42342.320	9.797	98.0	0.798	5162		1.05

Compound name: M4PFHpA
Response Factor: 0.815041
RRF SD: 0.0170917, % Relative SD: 2.09703
Response type: Internal Std (Ref 21), Area * (IS Conc. / IS Area)
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

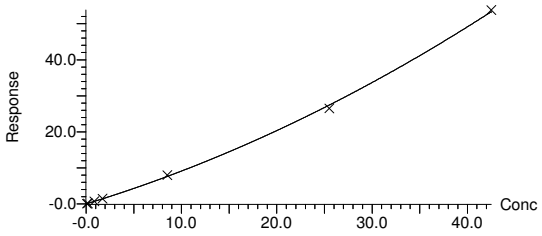
Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Instrument ID	: LCMS02	Ical Ref	: ICAL17286
Calibration dates	: 10/27/20 17:40 10/27/20 19:19		

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: br-PFHxS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	7.856	8997.679	40.308	0.056	65.3	0.527	6	3	3.37
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	7.924	8296.991	123.173	0.184	108.1	0.873	22	6	0.34
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	7.918	8928.164	656.582	0.902	106.1	0.865	36	6	0.50
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	7.924	8588.098	1251.063	1.766	103.9	0.857	193	17	0.44
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	7.928	8222.822	6556.424	8.863	104.3	0.938	424	178	0.42
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	7.924	7444.395	19728.098	24.809	97.3	1.039	1405	371	0.44
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	7.931	6188.457	33308.402	42.781	100.7	1.266	1694	1423	0.41

Compound name: br-PFHxS
Coefficient of Determination: R^2 = 0.999366
Calibration curve: 0.0105674 * x^2 + 0.806028 * x
Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

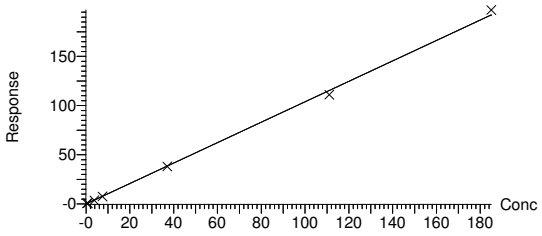
Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Instrument ID	: LCMS02	Ical Ref	: ICAL17286
Calibration dates	: 10/27/20 17:40 10/27/20 19:19		

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: L-PFHxS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	8.155	8997.679	347.615	0.372	100.5	1.044	70	25	1.05
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	8.155	8296.991	682.923	0.792	107.0	1.112	184	80	0.98
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	8.155	8928.164	3269.911	3.525	95.3	0.990	326	60	1.05
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	8.158	8588.098	6474.310	7.255	98.0	1.019	1721	181	0.99
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	8.161	8222.822	31316.766	36.651	99.1	1.029	3388	1854	1.00
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	8.155	7444.395	82624.984	106.810	96.2	1.000	9327	3276	1.13
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	8.158	6188.457	122057.078	189.806	102.6	1.066	9385	11195	1.19

Compound name: L-PFHxS
Coefficient of Determination: R^2 = 0.999100
Calibration curve: 1.03913 * x
Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

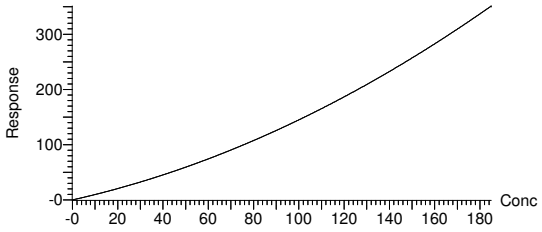
Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Instrument ID	: LCMS02	Ical Ref	: ICAL17286
Calibration dates	: 10/27/20 17:40 10/27/20 19:19		

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: PFHxS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	ng/mL	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30		8997.679	387.923	0.427					
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04		8296.991	806.096	0.976					
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43		8928.164	3926.493	4.426					
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17		8588.098	7725.373	9.021					
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51		8222.822	37873.190	45.513					
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25		7444.395	102353.082	131.619					
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59		6188.457	155365.480	232.587					

Compound name: PFHxS
Coefficient of Determination: 0.000000
Calibration curve: 0.92258 * x
Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

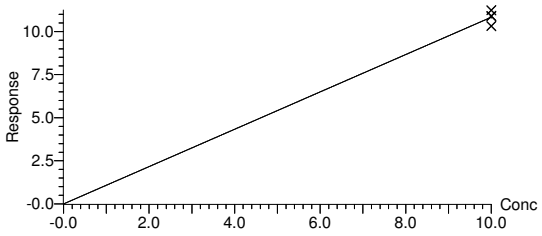
Client	: Langan Engineering & Environmental		Lab Number	: L2051957	
Project Name	: 266-270 W. 96TH STREET		Project Number	: 170432001	
Instrument ID	: LCMS02		Ical Ref	: ICAL17286	
Calibration dates	: 10/27/20 17:40	10/27/20 19:19			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: M3PFHxS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	8.152	8237.715	8997.679	10.085	100.9	1.092	4758		1.05
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	8.155	7629.246	8296.991	10.041	100.4	1.088	977		1.03
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	8.155	7951.753	8928.164	10.367	103.7	1.123	1948		1.00
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	8.155	8313.277	8588.098	9.539	95.4	1.033	1591		1.10
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	8.158	7545.956	8222.822	10.062	100.6	1.090	2341		1.11
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	8.155	6617.395	7444.395	10.387	103.9	1.125	1841		1.12
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	8.158	6002.718	6188.457	9.519	95.2	1.031	1085		1.13

Compound name: M3PFHxS
Response Factor: 1.08303
RRF SD: 0.0380796, % Relative SD: 3.51601
Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

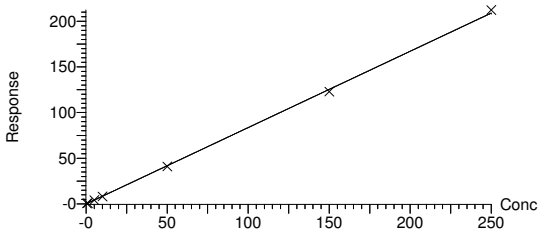
Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Instrument ID	: LCMS02	Ical Ref	: ICAL17286
Calibration dates	: 10/27/20 17:40 10/27/20 19:19		

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: br-PFOA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	ng/mL	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30		75887.242							
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04		70624.547							
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43		74040.234							
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17		72234.883							
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51		68120.125							
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25		62624.855						2	
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59		56612.469							

Compound name: L-PFOA
Coefficient of Determination: R^2 = 0.999673
Calibration curve: 0.835614 * x
Response type: Internal Std (Ref 23), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

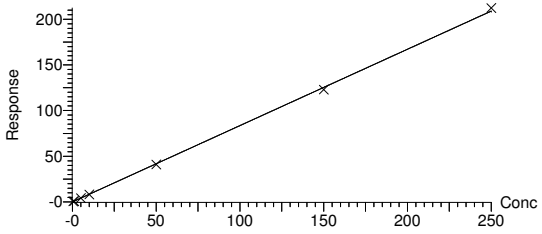
Client	:	Langan Engineering & Environmental	Lab Number	:	L2051957
Project Name	:	266-270 W. 96TH STREET	Project Number	:	170432001
Instrument ID	:	LCMS02	Ical Ref	:	ICAL17286
Calibration dates	:	10/27/20 17:40 10/27/20 19:19			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: L-PFOA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	8.927	75887.242	3445.778	0.543	108.7	0.908	789	9088	1.03
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	8.930	70624.547	6036.762	1.023	102.3	0.855	1029	92	0.97
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	8.926	74040.234	30701.105	4.962	99.2	0.829	1783	6987	1.08
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	8.930	72234.883	59168.383	9.803	98.0	0.819	3958	1428	1.06
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	8.930	68120.125	278649.563	48.953	97.9	0.818	7564	4003	1.03
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	8.930	62624.855	770249.063	147.190	98.1	0.820	16252	5607	1.13
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	8.930	56612.469	1201700.500	254.026	101.6	0.849	17435	9494	1.09

Compound name: L-PFOA
Coefficient of Determination: R^2 = 0.999673
Calibration curve: 0.835614 * x
Response type: Internal Std (Ref 23), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

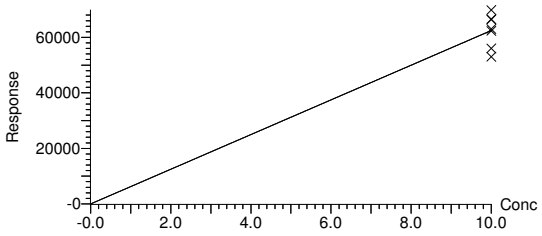
Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Instrument ID	: LCMS02	Ical Ref	: ICAL17286
Calibration dates	: 10/27/20 17:40 10/27/20 19:19		

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: M2PFOA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	ng/mL	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	8.927		69847.859	11.184	111.8	6984.786	4872		1.05
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	8.930		63009.621	10.089	100.9	6300.962	4538		1.03
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	8.927		66413.383	10.634	106.3	6641.338	3407		1.07
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	8.930		66536.914	10.654	106.5	6653.691	8010		1.05
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	8.927		62298.621	9.975	99.8	6229.862	3337		1.13
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	8.930		56034.859	8.972	89.7	5603.486	2449		1.13
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	8.930		53029.133	8.491	84.9	5302.913	4666		1.10

Compound name: M2PFOA
Response Factor: 6245.29
RRF SD: 601.917, % Relative SD: 9.63793
Response type: External Std, Area
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

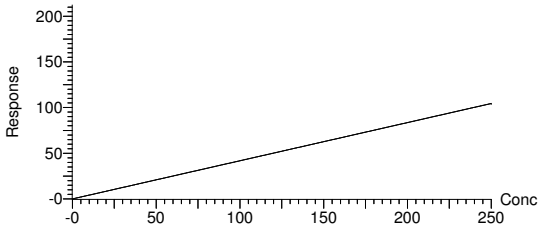
Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Instrument ID	: LCMS02	Ical Ref	: ICAL17286
Calibration dates	: 10/27/20 17:40 10/27/20 19:19		

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: PFOA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	ng/mL	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30		75887.242	3445.778	0.543					
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04		70624.547	6036.762	1.023					
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43		74040.234	30701.105	4.962					
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17		72234.883	59168.383	9.803					
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51		68120.125	278649.563	48.953					
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25		62624.855	770249.063	147.190					
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59		56612.469	1201700.500	254.026					

Compound name: PFOA
Coefficient of Determination: 0.000000
Calibration curve: 0.417807 * x
Response type: Internal Std (Ref 23), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

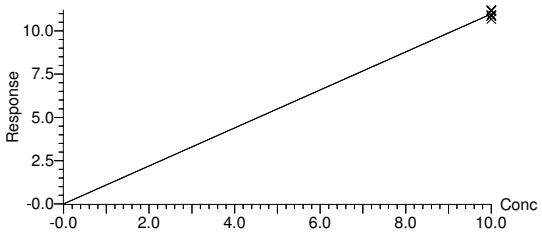
Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Instrument ID	: LCMS02	Ical Ref	: ICAL17286
Calibration dates	: 10/27/20 17:40 10/27/20 19:19		

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: M8PFOA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	8.927	69847.859	75887.242	9.894	98.9	1.086	10101		1.00
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	8.927	63009.621	70624.547	10.208	102.1	1.121	7301		1.08
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	8.927	66413.383	74040.234	10.153	101.5	1.115	9677		1.03
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	8.931	66536.914	72234.883	9.887	98.9	1.086	3657		1.02
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	8.927	62298.621	68120.125	9.958	99.6	1.093	6225		1.08
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	8.931	56034.859	62624.855	10.178	101.8	1.118	2688		1.08
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	8.931	53029.133	56612.469	9.722	97.2	1.068	6730		1.02

Compound name: M8PFOA
Response Factor: 1.09806
RRF SD: 0.0200941, % Relative SD: 1.82997
Response type: Internal Std (Ref 21), Area * (IS Conc. / IS Area)
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

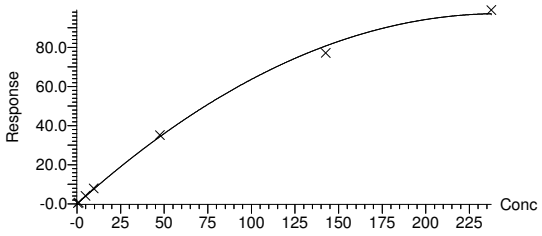
Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Instrument ID	: LCMS02	Ical Ref	: ICAL17286
Calibration dates	: 10/27/20 17:40 10/27/20 19:19		

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: 6:2FTS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	8.879	3597.438	123.650	0.429	90.3	0.724	36	34	1.22
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	8.882	3305.858	230.059	0.870	91.5	0.733	22	7	1.16
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	8.883	3541.775	1473.459	5.245	110.4	0.876	31285	1143	1.03
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	8.887	3349.512	2667.924	10.147	106.8	0.838	1651	6	0.99
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	8.883	3782.906	13298.445	48.743	102.6	0.740	982	12759	1.10
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	8.887	4763.921	36777.746	132.446	92.9	0.542	2491	887	1.02
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	8.887	5968.777	59155.328			0.417	4146	2173	0.98

Compound name: 6:2FTS
Coefficient of Determination: R^2 = 0.998419
Calibration curve: -0.00165269 * x^2 + 0.801775 * x
Response type: Internal Std (Ref 25), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

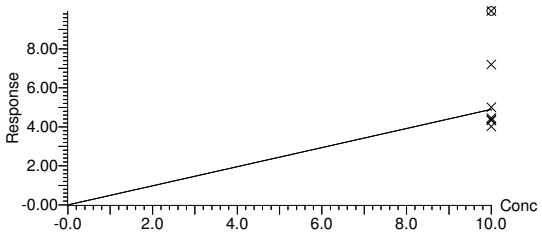
Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Instrument ID	: LCMS02	Ical Ref	: ICAL17286
Calibration dates	: 10/27/20 17:40 10/27/20 19:19		

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: M2-6:2FTS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	8.883	8237.715	3597.438	8.914	89.1	0.437	74405		0.97
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	8.883	7629.246	3305.858	8.844	88.4	0.433	233		1.08
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	8.883	7951.753	3541.775	9.091	90.9	0.445	76436		0.95
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	8.887	8313.277	3349.512	8.224	82.2	0.403	858		1.06
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	8.883	7545.956	3782.906	10.232	102.3	0.501	291		1.10
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	8.890	6617.395	4763.921	14.694	146.9	0.720	7229		0.91
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	8.887	6002.718	5968.777	20.296	203.0	0.994	131715		0.96

Compound name: M2-6:2FTS
Response Factor: 0.489927
RRF SD: 0.117143, % Relative SD: 23.9104
Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

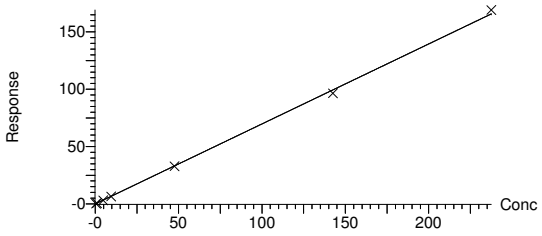
Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Instrument ID	: LCMS02	Ical Ref	: ICAL17286
Calibration dates	: 10/27/20 17:40 10/27/20 19:19		

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: PFHpS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	9.020	9956.047	285.625	0.411	86.6	0.604	6397	5845	1.13
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	9.022	9522.711	692.195	1.042	109.7	0.765	706	178	1.00
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	9.023	10282.355	3298.167	4.598	96.8	0.675	438	349	0.98
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	9.023	10281.898	6600.149	9.202	96.9	0.676	2499	709	1.04
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	9.023	9468.931	31192.977	47.223	99.4	0.694	4214	4332	1.02
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	9.026	8514.261	82130.172	138.279	97.0	0.677	3845	7017	1.07
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	9.026	7305.929	123549.984	242.419	102.1	0.712	7554	8254	1.01

Compound name: PFHpS
Coefficient of Determination: R^2 = 0.999395
Calibration curve: 0.697589 * x
Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Instrument ID	: LCMS02	Ical Ref	: ICAL17286
Calibration dates	: 10/27/20 17:40 10/27/20 19:19		

Alpha Analytical Inc.
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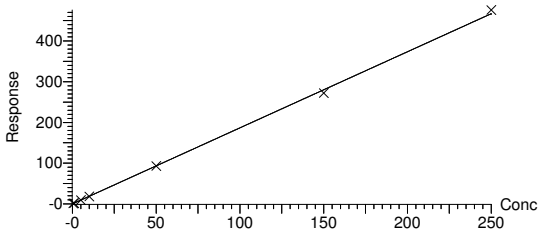
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: PFNA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	9.679	29633.674	2639.310	0.477	95.4	1.781	299	38	1.09
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	9.684	26850.799	5129.088	1.023	102.3	1.910	331	39497	1.08
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	9.682	29167.717	26886.303	4.935	98.7	1.844	2529	2080	1.13
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	9.681	28192.857	51532.047	9.787	97.9	1.828	4780	1184	1.12
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	9.679	25800.195	239615.203	49.727	99.5	1.857	17037	4715	1.17
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	9.682	23598.246	642119.938	145.691	97.1	1.814	31937	15009	1.09
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	9.682	20947.984	997118.250	254.860	101.9	1.904	17611	23722	1.15

Compound name: PFNA
Coefficient of Determination: R^2 = 0.999499
Calibration curve: 1.86768 * x
Response type: Internal Std (Ref 28), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

Client	:	Langan Engineering & Environmental	Lab Number	:	L2051957
Project Name	:	266-270 W. 96TH STREET	Project Number	:	170432001
Instrument ID	:	LCMS02	Ical Ref	:	ICAL17286
Calibration dates	:	10/27/20 17:40 10/27/20 19:19			

Alpha Analytical Inc.
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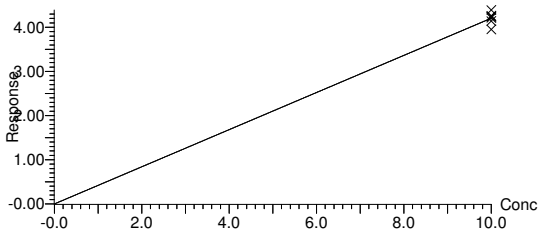
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: M9PFNA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	9.677	69847.859	29633.674	10.089	100.9	0.424	4512		1.16
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	9.681	63009.621	26850.799	10.134	101.3	0.426	3874		1.13
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	9.682	66413.383	29167.717	10.444	104.4	0.439	3250		1.09
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	9.682	66536.914	28192.857	10.076	100.8	0.424	2860		1.09
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	9.679	62298.621	25800.195	9.848	98.5	0.414	6705		1.14
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	9.679	56034.859	23598.246	10.015	100.1	0.421	1612		1.15
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	9.682	53029.133	20947.984	9.394	93.9	0.395	1760		1.12

Compound name: M9PFNA
Response Factor: 0.420514
RRF SD: 0.0135099, % Relative SD: 3.2127
Response type: Internal Std (Ref 21), Area * (IS Conc. / IS Area)
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Instrument ID	: LCMS02	Ical Ref	: ICAL17286
Calibration dates	: 10/27/20 17:40 10/27/20 19:19		

Alpha Analytical Inc.
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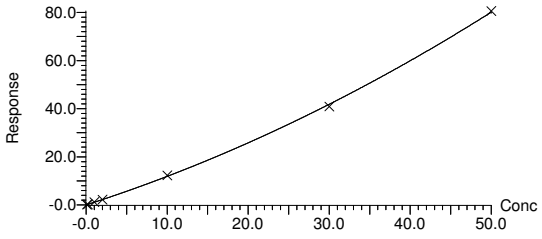
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: br-PFOS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	9.545	9956.047	89.177	0.083	82.7	0.896	1	2	0.38
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	9.555	9522.711	217.289	0.210	105.2	1.141	12	9	0.31
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	9.553	10282.355	1187.909	1.056	105.6	1.155	160	7	0.36
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	9.549	10281.898	2270.587	2.001	100.1	1.104	50	99	0.35
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	9.549	9468.931	11627.757	10.319	103.2	1.228	1016	205	0.38
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	9.550	8514.261	34805.055	29.435	98.1	1.363	837	489	0.37
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	9.553	7305.929	58900.371	50.232	100.5	1.612	1229	488	0.36

Compound name: br-PFOS
Coefficient of Determination: R^2 = 0.999698
Calibration curve: 0.010395 * x^2 + 1.08279 * x
Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Langan Engineering & Environmental		Lab Number	: L2051957	
Project Name	: 266-270 W. 96TH STREET		Project Number	: 170432001	
Instrument ID	: LCMS02		Ical Ref	: ICAL17286	
Calibration dates	: 10/27/20 17:40	10/27/20 19:19			

Alpha Analytical Inc.
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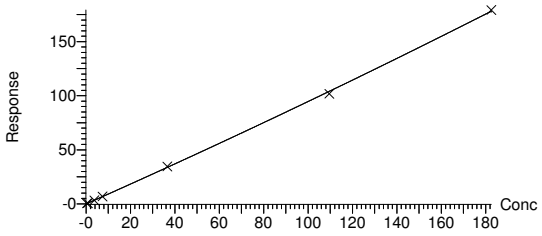
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: L-PFOS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	9.730	9956.047	368.000	0.406	111.1	1.013	8	17	1.14
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	9.736	9522.711	704.039	0.811	111.1	1.013	54	88	1.02
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	9.737	10282.355	3454.731	3.683	100.9	0.921	774	69	1.04
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	9.733	10281.898	6967.585	7.417	101.6	0.928	308	999	1.11
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	9.733	9468.931	32678.824	37.339	102.3	0.946	5770	1975	1.07
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	9.733	8514.261	86698.609	107.293	98.0	0.930	4097	3931	1.11
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	9.737	7305.929	130931.195	183.601	100.6	0.982	5242	3388	1.08

Compound name: L-PFOS
Coefficient of Determination: R^2 = 0.999735
Calibration curve: 0.000354341 * x^2 + 0.911041 * x
Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Instrument ID	: LCMS02	Ical Ref	: ICAL17286
Calibration dates	: 10/27/20 17:40 10/27/20 19:19		

Alpha Analytical Inc.
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Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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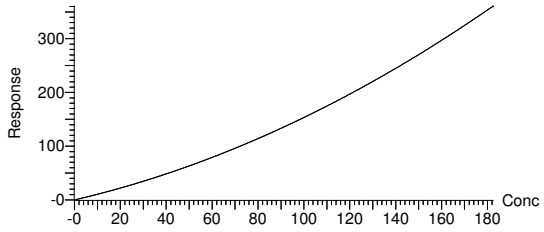
Compound name: PFOS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	ng/mL	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30		9956.047	457.177	0.488					
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04		9522.711	921.328	1.022					
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43		10282.355	4642.640	4.739					
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17		10281.898	9238.172	9.418					
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51		9468.931	44306.581	47.658					
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25		8514.261	121503.664	136.728					
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59		7305.929	189831.566	233.833					

Compound name: PFOS
Coefficient of Determination: 0.000000
Calibration curve: 0.996918 * x
Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Langan Engineering & Environmental		Lab Number	: L2051957	
Project Name	: 266-270 W. 96TH STREET		Project Number	: 170432001	
Instrument ID	: LCMS02		Ical Ref	: ICAL17286	
Calibration dates	: 10/27/20 17:40	10/27/20 19:19			

Alpha Analytical Inc.
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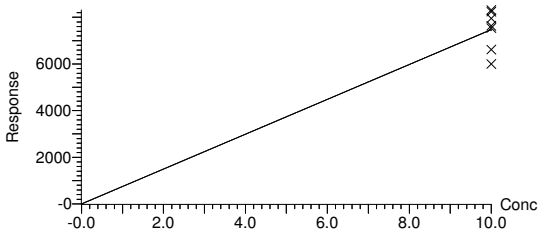
Compound name: M4PFOS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	9.730		8237.715	11.026	110.3	823.771	806		1.12
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	9.737		7629.246	10.212	102.1	762.925	2346		1.03
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	9.734		7951.753	10.643	106.4	795.175	700		1.13
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	9.733		8313.277	11.127	111.3	831.328	1179		1.12
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	9.733		7545.956	10.100	101.0	754.596	863		1.06
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	9.734		6617.395	8.857	88.6	661.740	1264		1.13
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	9.737		6002.718	8.035	80.3	600.272	161		1.06

Compound name: M4PFOS
Response Factor: 747.115
RRF SD: 86.0577, % Relative SD: 11.5187
Response type: External Std, Area
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	:	Langan Engineering & Environmental	Lab Number	:	L2051957
Project Name	:	266-270 W. 96TH STREET	Project Number	:	170432001
Instrument ID	:	LCMS02	Ical Ref	:	ICAL17286
Calibration dates	:	10/27/20 17:40 10/27/20 19:19			

Alpha Analytical Inc.
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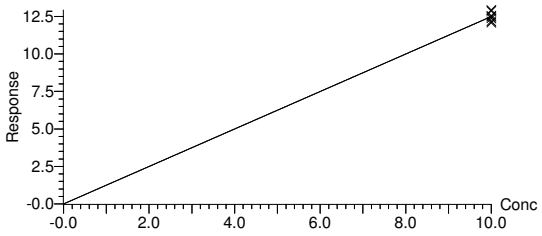
Compound name: M8PFOS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	9.730	8237.715	9956.047	9.674	96.7	1.209	2860		1.12
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	9.737	7629.246	9522.711	9.991	99.9	1.248	2979		0.99
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	9.734	7951.753	10282.355	10.350	103.5	1.293	586		1.10
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	9.733	8313.277	10281.898	9.900	99.0	1.237	1645		1.08
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	9.733	7545.956	9468.931	10.044	100.4	1.255	1111		1.07
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	9.734	6617.395	8514.261	10.299	103.0	1.287	1708		1.10
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	9.737	6002.718	7305.929	9.742	97.4	1.217	2506		1.07

Compound name: M8PFOS
Response Factor: 1.24932
RRF SD: 0.032131, % Relative SD: 2.57187
Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Instrument ID	: LCMS02	Ical Ref	: ICAL17286
Calibration dates	: 10/27/20 17:40 10/27/20 19:19		

Alpha Analytical Inc.
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Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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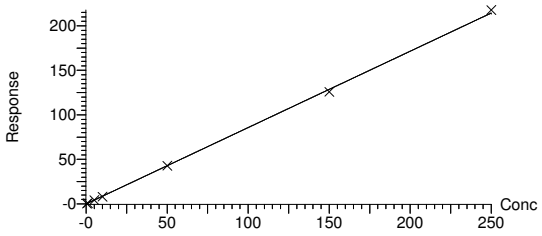
Compound name: PFDA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	10.2...	54696.945	2138.844	0.456	91.2	0.782	414	483	0.97
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	10.2...	50154.770	4365.067	1.015	101.5	0.870	304	5	1.08
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	10.2...	54602.273	23014.115	4.915	98.3	0.843	2312	2554	1.16
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	10.2...	52056.340	42278.363	9.471	94.7	0.812	5860	958	1.07
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	10.2...	45583.359	194895.203	49.860	99.7	0.855	10860	3024	1.17
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	10.2...	39822.336	501362.563	146.819	97.9	0.839	18385	7458	1.08
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	10.2...	35647.895	776329.750	253.963	101.6	0.871	16849	10043	1.16

Compound name: PFDA
Coefficient of Determination: R^2 = 0.999637
Calibration curve: 0.857515 * x
Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

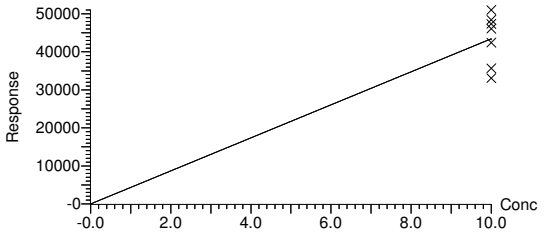
Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Instrument ID	: LCMS02	Ical Ref	: ICAL17286
Calibration dates	: 10/27/20 17:40 10/27/20 19:19		

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: M2PFDA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	10.2...		51006.328	11.742	117.4	5100.633	9956		1.15
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	10.2...		46106.000	10.614	106.1	4610.600	4528		1.16
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	10.2...		48397.871	11.142	111.4	4839.787	6577		1.15
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	10.2...		47356.406	10.902	109.0	4735.641	3830		1.07
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	10.2...		42428.355	9.768	97.7	4242.836	5862		1.15
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	10.2...		35690.961	8.217	82.2	3569.096	1495		1.17
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	10.2...		33079.742	7.615	76.2	3307.974	7517		1.16

Compound name: M2PFDA
Response Factor: 4343.8
RRF SD: 674.143, % Relative SD: 15.5197
Response type: External Std, Area
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Langan Engineering & Environmental		Lab Number	: L2051957	
Project Name	: 266-270 W. 96TH STREET		Project Number	: 170432001	
Instrument ID	: LCMS02		Ical Ref	: ICAL17286	
Calibration dates	: 10/27/20 17:40	10/27/20 19:19			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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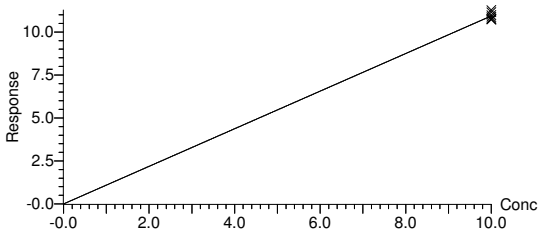
Compound name: M6PFDA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	10.2...	51006.328	54696.945	9.806	98.1	1.072	8362		1.13
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	10.2...	46106.000	50154.770	9.947	99.5	1.088	4113		1.17
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	10.2...	48397.871	54602.273	10.316	103.2	1.128	6889		1.14
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	10.2...	47356.406	52056.340	10.051	100.5	1.099	5351		1.15
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	10.2...	42428.355	45583.359	9.824	98.2	1.074	5348		1.14
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	10.2...	35690.961	39822.336	10.202	102.0	1.116	2266		1.15
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	10.2...	33079.742	35647.895	9.854	98.5	1.078	3941		1.14

Compound name: M6PFDA
Response Factor: 1.09362
RRF SD: 0.0217154, % Relative SD: 1.98564
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Instrument ID	: LCMS02	Ical Ref	: ICAL17286
Calibration dates	: 10/27/20 17:40 10/27/20 19:19		

Alpha Analytical Inc.
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Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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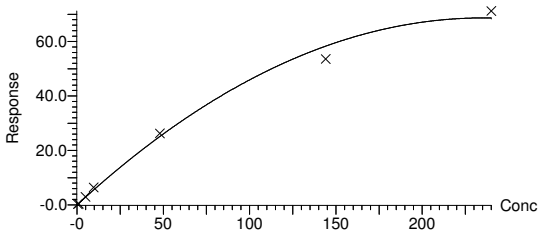
Compound name: 8:2FTS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	10.2...	2645.827	68.300	0.443	92.4	0.538	10		2.33
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	10.2...	2360.347	110.621	0.806	83.9	0.488	3319	197	0.91
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	10.2...	2603.435	777.734	5.183	108.0	0.622	17909	4	0.88
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	10.2...	2442.177	1564.002	11.257	117.3	0.667	240	9	1.12
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	10.2...	2471.001	6485.010	50.425	105.1	0.547	862	20	1.10
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	10.2...	3100.220	16609.408	125.161	86.9	0.372	614	54	1.13
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	10.2...	3750.588	26708.061			0.297	546	12477	1.24

Compound name: 8:2FTS
Coefficient of Determination: R^2 = 0.994592
Calibration curve: -0.00123661 * x^2 + 0.582824 * x
Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

Client	:	Langan Engineering & Environmental	Lab Number	:	L2051957
Project Name	:	266-270 W. 96TH STREET	Project Number	:	170432001
Instrument ID	:	LCMS02	Ical Ref	:	ICAL17286
Calibration dates	:	10/27/20 17:40 10/27/20 19:19			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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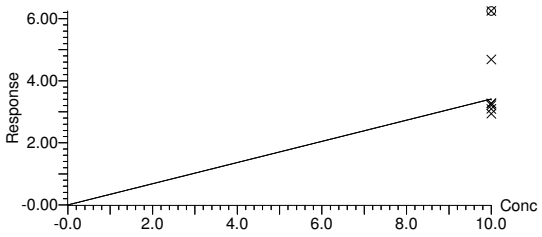
Compound name: M2-8:2FTS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	10.2...	8237.715	2645.827	9.411	94.1	0.321	291		1.32
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	10.2...	7629.246	2360.347	9.065	90.7	0.309	418		1.02
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	10.2...	7951.753	2603.435	9.593	95.9	0.327	58121		1.30
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	10.2...	8313.277	2442.177	8.608	86.1	0.294	59807		1.13
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	10.2...	7545.956	2471.001	9.595	95.9	0.327	54627		1.16
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	10.2...	6617.395	3100.220	13.728	137.3	0.468	830		1.18
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	10.2...	6002.718	3750.588	18.308	183.1	0.625	4896		1.27

Compound name: M2-8:2FTS
Response Factor: 0.341282
RRF SD: 0.0636334, % Relative SD: 18.6454
Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Instrument ID	: LCMS02	Ical Ref	: ICAL17286
Calibration dates	: 10/27/20 17:40 10/27/20 19:19		

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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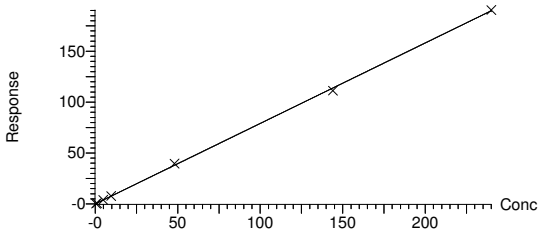
Compound name: PFNS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	10.3...	9956.047	319.109	0.405	84.4	0.668	8489	75	1.10
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	10.3...	9522.711	760.057	1.009	105.1	0.831	1296	15	1.02
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	10.3...	10282.355	4027.416	4.953	103.2	0.816	566	821	1.04
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	10.3...	10281.898	7954.857	9.783	101.9	0.806	766	832	1.05
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	10.3...	9468.931	37466.063	50.031	104.2	0.824	2572	2360	1.08
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	10.3...	8514.261	94744.406	140.704	97.7	0.773	5605	3748	1.07
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	10.3...	7305.929	139222.828	240.955	100.4	0.794	6187	6930	1.15

Compound name: PFNS
Coefficient of Determination: R^2 = 0.999568
Calibration curve: 0.790859 * x
Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

Client	:	Langan Engineering & Environmental	Lab Number	:	L2051957
Project Name	:	266-270 W. 96TH STREET	Project Number	:	170432001
Instrument ID	:	LCMS02	Ical Ref	:	ICAL17286
Calibration dates	:	10/27/20 17:40 10/27/20 19:19			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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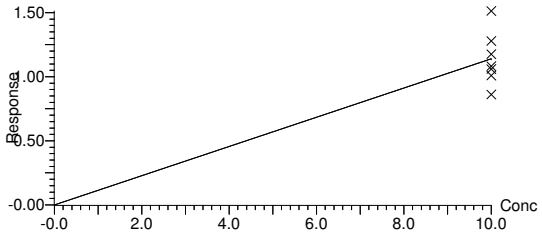
Compound name: d3-NMeFOSAA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	10.7...	51006.328	4394.187	7.557	75.6	0.086	39		1.34
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	10.7...	46106.000	4986.502	9.487	94.9	0.108	107617		1.08
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	10.7...	48397.871	5127.490	9.293	92.9	0.106	182		1.06
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	10.7...	47356.406	4775.593	8.846	88.5	0.101	101929		1.18
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	10.7...	42428.355	4992.172	10.321	103.2	0.118	109559		1.21
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	10.7...	35690.961	4566.663	11.224	112.2	0.128	111		0.94
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	10.7...	33079.742	5004.819	13.272	132.7	0.151	65		1.05

Compound name: d3-NMeFOSAA
Response Factor: 0.114
RRF SD: 0.0210031, % Relative SD: 18.4238
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Instrument ID	: LCMS02	Ical Ref	: ICAL17286
Calibration dates	: 10/27/20 17:40 10/27/20 19:19		

Alpha Analytical Inc.
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Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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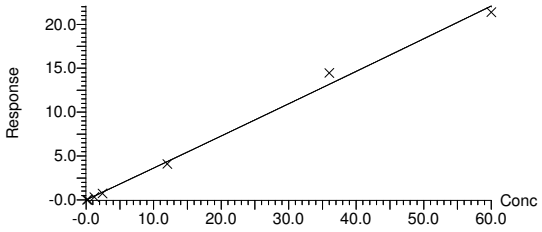
Compound name: br-NMeFOSAA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	10.5...	4394.187	3.872	0.024	20.3	0.073	0		0.99
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	10.5...	4986.502	20.355	0.113	47.0	0.170	0	1	2.09
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	10.5...	5127.490	165.380	0.891	74.2	0.269	11	9	1.43
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	10.5...	4775.593	351.668	2.033	84.7	0.307	17	10	0.42
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	10.5...	4992.172	2049.328	11.304	94.2	0.342	65	328	0.39
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	10.5...	4566.663	6607.151	39.521	109.8	0.402	164	141	0.38
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	10.5...	5004.819	10695.595	58.069	96.8	0.356	273	259	0.39

Compound name: br-NMeFOSAA
Coefficient of Determination: R^2 = 0.993429
Calibration curve: 0.000103924 * x^2 + 0.361986 * x
Response type: Internal Std (Ref 40), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Langan Engineering & Environmental		Lab Number	: L2051957	
Project Name	: 266-270 W. 96TH STREET		Project Number	: 170432001	
Instrument ID	: LCMS02		Ical Ref	: ICAL17286	
Calibration dates	: 10/27/20 17:40	10/27/20 19:19			

Alpha Analytical Inc.
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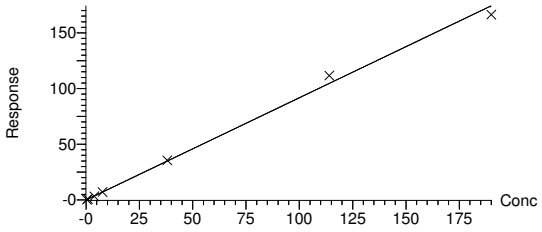
Compound name: L-NMeFOSAA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	10.7...	4394.187	134.635	0.334	87.9	0.806	4	8	1.90
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	10.7...	4986.502	377.426	0.825	108.6	0.996	5	8	1.10
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	10.7...	5127.490	1707.596	3.630	95.5	0.876	109	56	1.15
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	10.7...	4775.593	3436.000	7.843	103.2	0.947	249	58	1.04
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	10.7...	4992.172	17797.270	38.860	102.3	0.938	727	2082	1.11
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	10.7...	4566.663	51010.734	121.758	106.8	0.980	1586	813	1.10
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	10.7...	5004.819	83238.805	181.290	95.4	0.875	2677	1553	1.10

Compound name: L-NMeFOSAA
Coefficient of Determination: R^2 = 0.997174
Calibration curve: 0.91741 * x
Response type: Internal Std (Ref 40), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Instrument ID	: LCMS02	Ical Ref	: ICAL17286
Calibration dates	: 10/27/20 17:40 10/27/20 19:19		

Alpha Analytical Inc.
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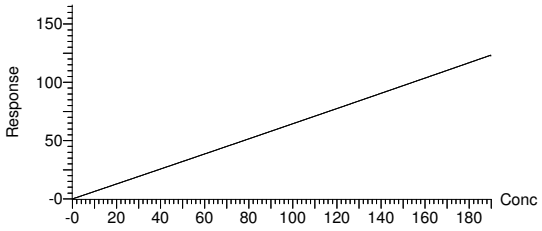
Compound name: NMeFOSAA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30		4394.187	138.507	0.358					
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04		4986.502	397.781	0.938					
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43		5127.490	1872.976	4.521					
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17		4775.593	3787.668	9.876					
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51		4992.172	19846.598	50.164					
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25		4566.663	57617.885	161.279					
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59		5004.819	93934.400	239.359					

Compound name: NMeFOSAA
Coefficient of Determination: 0.000000
Calibration curve: 0.639698 * x
Response type: Internal Std (Ref 40), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

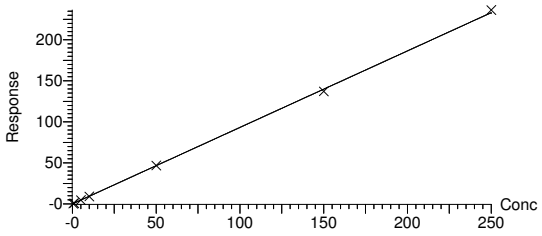
Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Instrument ID	: LCMS02	Ical Ref	: ICAL17286
Calibration dates	: 10/27/20 17:40 10/27/20 19:19		

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: PFUnA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	10.8...	48607.387	1928.265	0.425	85.1	0.793	48825	10	1.06
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	10.8...	45160.258	4351.716	1.033	103.3	0.964	266	14518	1.06
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	10.8...	47847.953	21783.457	4.882	97.6	0.911	2544	88985	1.11
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	10.8...	46145.992	41371.027	9.614	96.1	0.897	3211	2075	1.10
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	10.8...	38725.898	180764.313	50.054	100.1	0.934	8206	5302	1.16
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	10.8...	31903.307	437460.125	147.040	98.0	0.914	10723	5034	1.16
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	10.8...	27790.072	656830.063	253.451	101.4	0.945	10455	6636	1.18

Compound name: PFUnA
Coefficient of Determination: R^2 = 0.999699
Calibration curve: 0.932542 * x
Response type: Internal Std (Ref 45), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

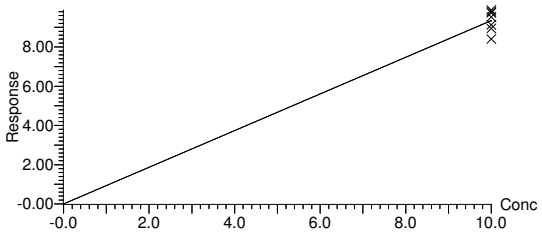
Client	: Langan Engineering & Environmental		Lab Number	: L2051957	
Project Name	: 266-270 W. 96TH STREET		Project Number	: 170432001	
Instrument ID	: LCMS02		Ical Ref	: ICAL17286	
Calibration dates	: 10/27/20 17:40	10/27/20 19:19			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: M7-PFUDA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	10.8...	51006.328	48607.387	10.196	102.0	0.953	1446		1.06
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	10.8...	46106.000	45160.258	10.480	104.8	0.979	3683		1.01
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	10.8...	48397.871	47847.953	10.578	105.8	0.989	2933		1.10
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	10.8...	47356.406	46145.992	10.426	104.3	0.974	3567		1.07
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	10.8...	42428.355	38725.898	9.766	97.7	0.913	2664		1.09
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	10.8...	35690.961	31903.307	9.564	95.6	0.894	877		1.10
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	10.8...	33079.742	27790.072	8.989	89.9	0.840	3217		1.11

Compound name: M7-PFUDA
Response Factor: 0.934606
RRF SD: 0.0546619, % Relative SD: 5.84866
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

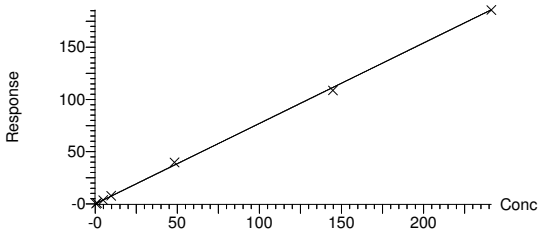
Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Instrument ID	: LCMS02	Ical Ref	: ICAL17286
Calibration dates	: 10/27/20 17:40 10/27/20 19:19		

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: PFDS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	10.8...	9956.047	305.243	0.398	82.5	0.635	3	5638	1.23
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	10.8...	9522.711	771.530	1.051	109.0	0.840	10	13309	1.01
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	10.8...	10282.355	3842.082	4.849	100.5	0.774	2220	135	0.97
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	10.8...	10281.898	8037.066	10.144	105.1	0.810	2675	220	0.97
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	10.8...	9468.931	37572.262	51.494	106.7	0.822	7949	4825	1.02
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	10.8...	8514.261	92644.883	141.210	97.6	0.752	5402	3633	1.03
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	10.8...	7305.929	135690.641	241.026	99.9	0.770	6799	4068	1.05

Compound name: PFDS
Coefficient of Determination: R^2 = 0.999191
Calibration curve: 0.770566 * x
Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

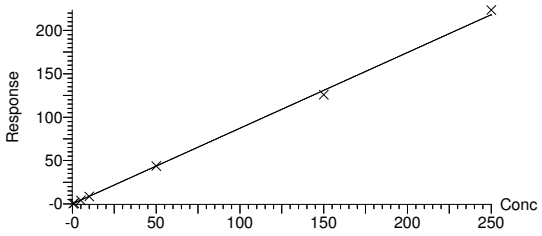
Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Instrument ID	: LCMS02	Ical Ref	: ICAL17286
Calibration dates	: 10/27/20 17:40 10/27/20 19:19		

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: FOSA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	10.9...	34203.215	1363.690	0.457	91.4	0.797	34179	2	1.16
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	10.9...	31730.104	3026.682	1.093	109.3	0.954	79260	6	1.01
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	10.9...	34631.027	14408.553	4.768	95.4	0.832	2335	19	1.05
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	10.9...	32912.523	28227.391	9.829	98.3	0.858	1281	7	1.01
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	10.9...	30874.369	134574.875	49.952	99.9	0.872	6399	60	1.05
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	10.9...	28610.605	360122.625	144.249	96.2	0.839	13723	285	1.07
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	10.9...	25313.850	565806.375	256.152	102.5	0.894	15029	270	1.05

Compound name: FOSA
Coefficient of Determination: R^2 = 0.999120
Calibration curve: 0.872593 * x
Response type: Internal Std (Ref 48), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

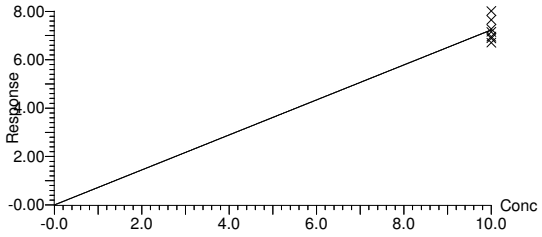
Client	:	Langan Engineering & Environmental	Lab Number	:	L2051957
Project Name	:	266-270 W. 96TH STREET	Project Number	:	170432001
Instrument ID	:	LCMS02	Ical Ref	:	ICAL17286
Calibration dates	:	10/27/20 17:40 10/27/20 19:19			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: M8FOSA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	10.9...	51006.328	34203.215	9.270	92.7	0.671	5075		1.00
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	10.9...	46106.000	31730.104	9.513	95.1	0.688	2168		1.01
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	10.9...	48397.871	34631.027	9.891	98.9	0.716	1852		0.98
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	10.9...	47356.406	32912.523	9.607	96.1	0.695	2548		1.01
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	10.9...	42428.355	30874.369	10.059	100.6	0.728	1804		1.01
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	10.9...	35690.961	28610.605	11.081	110.8	0.802	2456		1.00
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	10.9...	33079.742	25313.850	10.578	105.8	0.765	2340		1.00

Compound name: M8FOSA
Response Factor: 0.723407
RRF SD: 0.0461625, % Relative SD: 6.38126
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

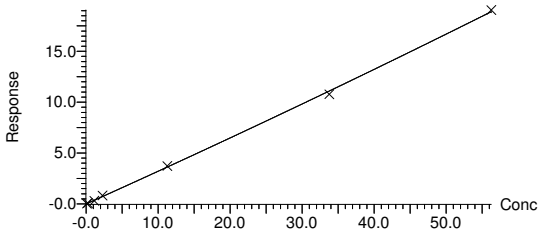
Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Instrument ID	: LCMS02	Ical Ref	: ICAL17286
Calibration dates	: 10/27/20 17:40 10/27/20 19:19		

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: br-NEtFOSAA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	10.8...	4154.020	6.791	0.051	45.7	0.145	2		0.17
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	10.8...	3440.620	27.152	0.248	110.2	0.351	19		0.17
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	10.8...	4062.762	120.188	0.929	82.6	0.263	9		0.27
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	10.8...	3912.294	327.548	2.625	116.7	0.372	20	1274	0.34
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	10.8...	3847.540	1434.383	11.587	103.0	0.331	41	3	0.31
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	10.8...	3950.736	4255.932	32.795	97.2	0.319	83	58	0.32
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	10.8...	3716.854	7086.039	56.727	100.8	0.339	226	33	0.29

Compound name: br-NEtFOSAA
Coefficient of Determination: R^2 = 0.998388
Calibration curve: 0.000317368 * x^2 + 0.318072 * x
Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Instrument ID	: LCMS02	Ical Ref	: ICAL17286
Calibration dates	: 10/27/20 17:40 10/27/20 19:19		

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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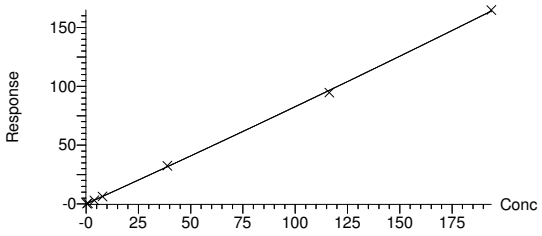
Compound name: L-NEtFOSAA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	11.008	4154.020	98.315	0.293	75.7	0.611	25	519	1.33
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	11.012	3440.620	216.333	0.779	100.5	0.811	107	957	0.80
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	11.008	4062.762	1280.942	3.904	100.8	0.814	137	3	1.10
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	11.008	3912.294	2503.167	7.915	102.1	0.826	248	22839	1.14
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	11.008	3847.540	12451.904	39.710	102.5	0.835	544	25	1.08
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	11.005	3950.736	37454.559	114.170	98.2	0.816	1186	345	1.09
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	11.012	3716.854	61318.973	194.767	100.5	0.851	3232	258	1.14

Compound name: L-NEtFOSAA
Coefficient of Determination: R^2 = 0.999737
Calibration curve: 0.000206731 * x^2 + 0.806774 * x
Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

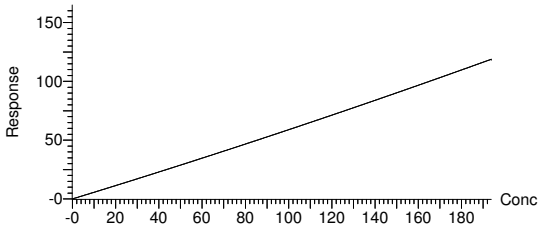
Client	: Langan Engineering & Environmental		Lab Number	: L2051957	
Project Name	: 266-270 W. 96TH STREET		Project Number	: 170432001	
Instrument ID	: LCMS02		Ical Ref	: ICAL17286	
Calibration dates	: 10/27/20 17:40	10/27/20 19:19			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: NEtFOSAA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30		4154.020	105.106	0.345					
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04		3440.620	243.485	1.027					
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43		4062.762	1401.130	4.833					
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17		3912.294	2830.715	10.540					
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51		3847.540	13886.287	51.297					
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25		3950.736	41710.491	146.965					
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59		3716.854	68405.012	251.495					

Compound name: NEtFOSAA
Coefficient of Determination: 0.000000
Calibration curve: 0.562423 * x
Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Langan Engineering & Environmental		Lab Number	: L2051957	
Project Name	: 266-270 W. 96TH STREET		Project Number	: 170432001	
Instrument ID	: LCMS02		Ical Ref	: ICAL17286	
Calibration dates	: 10/27/20 17:40	10/27/20 19:19			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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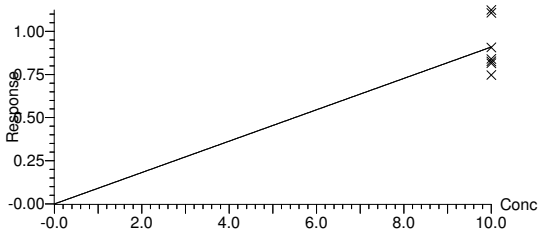
Compound name: d5-NEtFOSAA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	11.001	51006.328	4154.020	8.959	89.6	0.081	814		1.20
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	11.000	46106.000	3440.620	8.209	82.1	0.075	119		1.13
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	10.9...	48397.871	4062.762	9.234	92.3	0.084	371		1.35
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	11.000	47356.406	3912.294	9.088	90.9	0.083	235		1.02
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	10.9...	42428.355	3847.540	9.975	99.8	0.091	195		1.20
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	10.9...	35690.961	3950.736	12.176	121.8	0.111	557		1.12
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	11.005	33079.742	3716.854	12.360	123.6	0.112	382		1.16

Compound name: d5-NEtFOSAA
Response Factor: 0.0909087
RRF SD: 0.0148535, % Relative SD: 16.3389
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

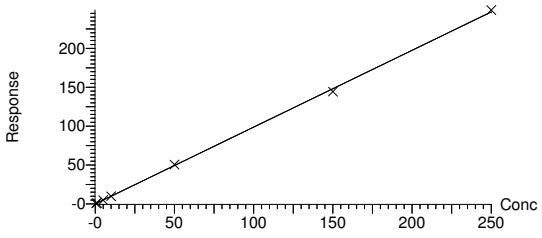
Client	: Langan Engineering & Environmental		Lab Number	: L2051957	
Project Name	: 266-270 W. 96TH STREET		Project Number	: 170432001	
Instrument ID	: LCMS02		Ical Ref	: ICAL17286	
Calibration dates	: 10/27/20 17:40	10/27/20 19:19			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: PFDoA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	11.274	51268.633	2423.501	0.479	95.8	0.945	115	22	1.07
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	11.274	46818.598	5169.312	1.118	111.8	1.104	390	7861	1.09
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	11.279	50257.023	24719.941	4.983	99.7	0.984	1350	188	0.94
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	11.274	48958.059	48307.762	9.996	100.0	0.987	2752	307	1.05
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	11.279	44026.223	222537.625	51.205	102.4	1.011	2436	1209	0.96
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	11.275	40388.801	582865.563	146.192	97.5	0.962	14702	3168	1.01
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	11.284	35951.352	896202.813	252.527	101.0	0.997	25642	3021	1.03

Compound name: PFDoA
Coefficient of Determination: R^2 = 0.999632
Calibration curve: 0.987149 * x
Response type: Internal Std (Ref 54), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

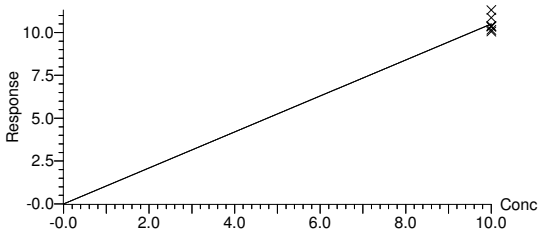
Client	: Langan Engineering & Environmental		Lab Number	: L2051957	
Project Name	: 266-270 W. 96TH STREET		Project Number	: 170432001	
Instrument ID	: LCMS02		Ical Ref	: ICAL17286	
Calibration dates	: 10/27/20 17:40	10/27/20 19:19			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: MPFDOA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	11.275	51006.328	51268.633	9.574	95.7	1.005	5803		0.97
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	11.279	46106.000	46818.598	9.672	96.7	1.015	4152		0.91
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	11.279	48397.871	50257.023	9.891	98.9	1.038	3262		0.93
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	11.279	47356.406	48958.059	9.847	98.5	1.034	2713		0.89
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	11.279	42428.355	44026.223	9.884	98.8	1.038	3712		0.93
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	11.275	35690.961	40388.801	10.779	107.8	1.132	2041		0.99
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	11.284	33079.742	35951.352	10.352	103.5	1.087	2027		0.95

Compound name: MPFDOA
Response Factor: 1.04985
RRF SD: 0.0442929, % Relative SD: 4.21899
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

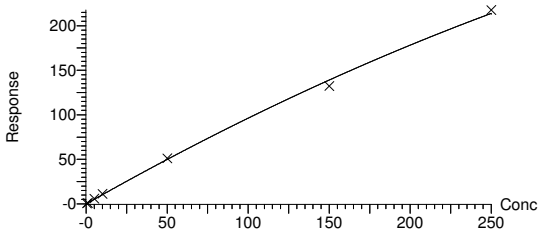
Client	:	Langan Engineering & Environmental	Lab Number	:	L2051957
Project Name	:	266-270 W. 96TH STREET	Project Number	:	170432001
Instrument ID	:	LCMS02	Ical Ref	:	ICAL17286
Calibration dates	:	10/27/20 17:40 10/27/20 19:19			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: PFTrDA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	11.673	51268.633	2837.580	0.535	107.1	1.107	227	20	0.96
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	11.673	46818.598	5334.757	1.103	110.3	1.139	776	76	1.07
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	11.673	50257.023	29169.336	5.634	112.7	1.161	1434	269	1.12
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	11.673	48958.059	54943.313	10.935	109.3	1.122	1746	639	1.11
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	11.678	44026.223	225593.031	51.375	102.7	1.025	5202	1561	1.04
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	11.673	40388.801	533731.250	141.664	94.4	0.881	8059	1820	1.08
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	11.682	35951.352	782490.250	255.669	102.3	0.871	20138	2668	1.11

Compound name: PFTrDA
Coefficient of Determination: R^2 = 0.998355
Calibration curve: -0.000715072 * x^2 + 1.03413 * x
Response type: Internal Std (Ref 54), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

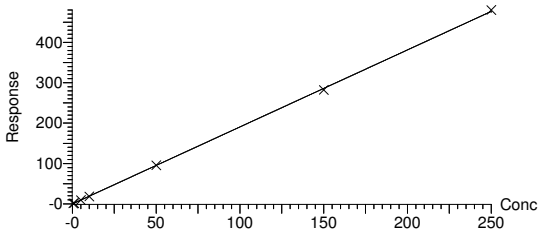
Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Instrument ID	: LCMS02	Ical Ref	: ICAL17286
Calibration dates	: 10/27/20 17:40 10/27/20 19:19		

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: PFTA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	12.0...	24214.688	2452.901	0.531	106.3	2.026	517	397	1.03
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	12.0...	22414.090	4502.278	1.054	105.4	2.009	1147	570	1.02
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	12.0...	24376.859	22970.064	4.942	98.8	1.885	4618	717	1.03
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	12.0...	23654.504	44157.320	9.791	97.9	1.867	3618	3727	1.06
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	12.0...	21919.285	210311.219	50.324	100.6	1.919	21144	3745	0.96
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	12.0...	20314.195	573340.875	148.032	98.7	1.882	28005	2888	1.00
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	12.0...	18492.385	887875.938	251.826	100.7	1.921	71150	16260	1.06

Compound name: PFTA
Coefficient of Determination: R^2 = 0.999887
Calibration curve: 1.9066 * x
Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

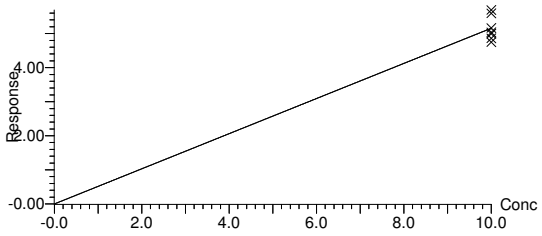
Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Instrument ID	: LCMS02	Ical Ref	: ICAL17286
Calibration dates	: 10/27/20 17:40 10/27/20 19:19		

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: M2PFTEDA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	12.0...	51006.328	24214.688	9.208	92.1	0.475	11417		1.01
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	12.0...	46106.000	22414.090	9.430	94.3	0.486	7915		1.02
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	12.0...	48397.871	24376.859	9.770	97.7	0.504	6285		1.02
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	12.0...	47356.406	23654.504	9.689	96.9	0.499	8288		1.05
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	12.0...	42428.355	21919.285	10.021	100.2	0.517	5096		1.05
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	12.0...	35690.961	20314.195	11.040	110.4	0.569	5089		0.99
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	12.0...	33079.742	18492.385	10.843	108.4	0.559	4947		1.05

Compound name: M2PFTEDA
Response Factor: 0.515553
RRF SD: 0.0358123, % Relative SD: 6.94639
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

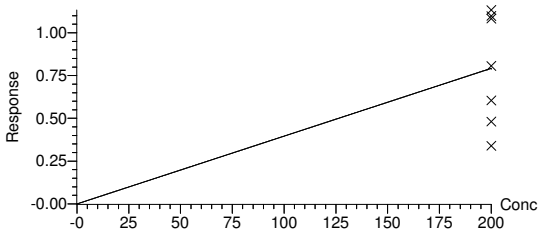
Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Instrument ID	: LCMS02	Ical Ref	: ICAL17286
Calibration dates	: 10/27/20 17:40 10/27/20 19:19		

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: M3HFPO-DA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	7.155	69847.859	7671.715	277.261	138.6	0.005	896		0.95
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	7.155	63009.621	7139.961	286.047	143.0	0.006	22		1.03
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	7.155	66413.383	7185.803	273.129	136.6	0.005	815		1.00
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	7.143	66536.914	5368.599	203.679	101.8	0.004	246		1.36
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	7.155	62298.621	3769.756	152.751	76.4	0.003	401		1.01
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	7.140	56034.859	2699.108	121.594	60.8	0.002	10		1.17
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	7.136	53029.133	1796.932	85.539	42.8	0.002	128		1.34

Compound name: M3HFPO-DA
Response Factor: 0.00396142
RRF SD: 0.00162161, % Relative SD: 40.9349
Response type: Internal Std (Ref 21), Area * (IS Conc. / IS Area)
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

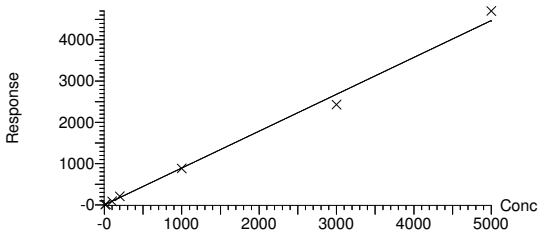
Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Instrument ID	: LCMS02	Ical Ref	: ICAL17286
Calibration dates	: 10/27/20 17:40 10/27/20 19:19		

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: HFPO-DA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	7.150	7671.715	252.401	7.362	73.6	0.658	27	3	1.04
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	7.158	7139.961	724.018	22.690	113.4	1.014	15	1126	0.90
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	7.154	7185.803	3183.054	99.117	99.1	0.886	228	76	1.06
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	7.147	5368.599	5619.982	234.236	117.1	1.047	234	693	1.24
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	7.150	3769.756	16628.938	987.033	98.7	0.882	1071	5443	1.20
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	7.132	2699.108	32814.195	2720.331	90.7	0.810	168	17678	1.64
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	7.132	1796.932	42235.102	5259.231	105.2	0.940	924	14064	1.59

Compound name: HFPO-DA
Coefficient of Determination: R^2 = 0.994870
Calibration curve: 0.893819 * x
Response type: Internal Std (Ref 58), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

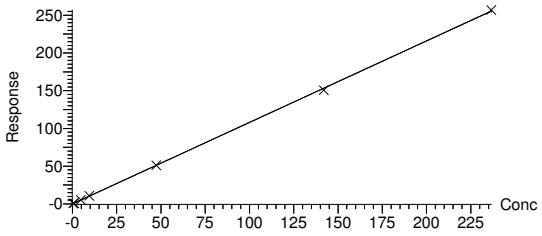
Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Instrument ID	: LCMS02	Ical Ref	: ICAL17286
Calibration dates	: 10/27/20 17:40 10/27/20 19:19		

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: ADONA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	8.166	75887.242	3956.388	0.483	102.0	1.102	1451		1.08
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	8.169	70624.547	7587.042	0.995	105.1	1.135	2143		1.02
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	8.169	74040.234	39643.102	4.958	104.8	1.132	5061		1.04
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	8.172	72234.883	77260.813	9.905	104.7	1.130	11186		1.01
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	8.175	68120.125	349456.938	47.506	100.4	1.084	23601		1.03
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	8.172	62624.855	944253.188	139.628	98.4	1.062	38783		1.04
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	8.175	56612.469	1454534.500	237.927	100.6	1.086	36650		1.04

Compound name: ADONA
Coefficient of Determination: R^2 = 0.999811
Calibration curve: 1.07986 * x
Response type: Internal Std (Ref 23), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

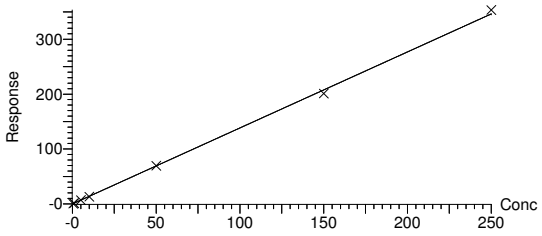
Client	: Langan Engineering & Environmental		Lab Number	: L2051957	
Project Name	: 266-270 W. 96TH STREET		Project Number	: 170432001	
Instrument ID	: LCMS02		Ical Ref	: ICAL17286	
Calibration dates	: 10/27/20 17:40	10/27/20 19:19			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: PFHxDA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	12.5...	14097.132	879.567	0.451	90.1	1.248	169		1.05
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	12.5...	13537.576	2030.222	1.083	108.3	1.500	433		1.11
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	12.5...	14370.891	9841.389	4.946	98.9	1.370	1695		1.02
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	12.5...	14662.444	19070.639	9.393	93.9	1.301	4041		1.06
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	12.5...	13336.966	92701.383	50.199	100.4	1.390	21241		1.08
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	12.5...	12420.447	249815.344	145.260	96.8	1.341	20994		1.11
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	12.5...	11252.381	397564.313	255.168	102.1	1.413	35658		1.07

Compound name: PFHxDA
Coefficient of Determination: R^2 = 0.999322
Calibration curve: 1.38464 * x
Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

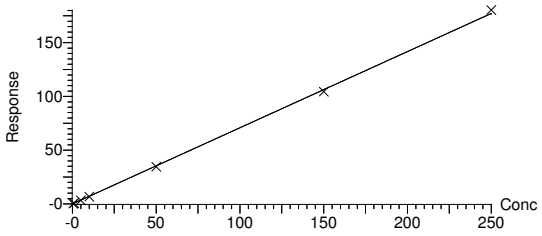
Client	: Langan Engineering & Environmental		Lab Number	: L2051957	
Project Name	: 266-270 W. 96TH STREET		Project Number	: 170432001	
Instrument ID	: LCMS02		Ical Ref	: ICAL17286	
Calibration dates	: 10/27/20 17:40	10/27/20 19:19			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: PFODA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	12.7...	14097.132	333.755	0.334	66.8	0.474	118		1.21
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	12.7...	13537.576	954.242	0.994	99.4	0.705	328		1.06
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	12.7...	14370.891	4839.629	4.750	95.0	0.674	1093		1.12
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	12.7...	14662.444	9801.008	9.429	94.3	0.668	2482		1.13
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	12.7...	13336.966	46307.680	48.976	98.0	0.694	8872		1.17
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	12.7...	12420.447	129850.047	147.465	98.3	0.697	20569		1.16
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	12.7...	11252.381	203065.891	254.552	101.8	0.722	32095		1.14

Compound name: PFODA
Coefficient of Determination: R^2 = 0.999456
Calibration curve: 0.70895 * x
Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

Client	:	Langan Engineering & Environmental	Lab Number	:	L2051957
Project Name	:	266-270 W. 96TH STREET	Project Number	:	170432001
Instrument ID	:	LCMS02	Ical Ref	:	ICAL17286
Calibration dates	:	10/27/20 17:40 10/27/20 19:19			

Alpha Analytical Inc.
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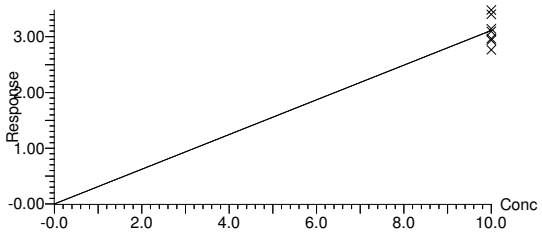
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: M2PFHxDA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	12.5...	51006.328	14097.132	8.878	88.8	0.276	5941		1.12
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	12.5...	46106.000	13537.576	9.432	94.3	0.294	5146		1.06
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	12.5...	48397.871	14370.891	9.539	95.4	0.297	5106		1.01
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	12.5...	47356.406	14662.444	9.946	99.5	0.310	7116		1.04
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	12.5...	42428.355	13336.966	10.098	101.0	0.314	4168		1.08
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	12.5...	35690.961	12420.447	11.179	111.8	0.348	7046		1.11
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	12.5...	33079.742	11252.381	10.927	109.3	0.340	3266		1.07

Compound name: M2PFHxDA
Response Factor: 0.311293
RRF SD: 0.0255939, % Relative SD: 8.22179
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Langan Engineering & Environmental		Lab Number	: L2051957	
Project Name	: 266-270 W. 96TH STREET		Project Number	: 170432001	
Instrument ID	: LCMS02		Ical Ref	: ICAL17286	
Calibration dates	: 10/27/20 17:40	10/27/20 19:19			

Alpha Analytical Inc.
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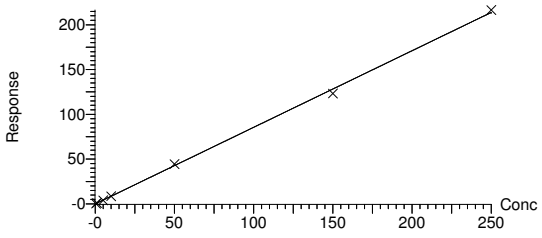
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: PFDoS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	11.669	9956.047	243.712	0.286	57.3	0.490	110		1.00
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	11.665	9522.711	913.702	1.122	112.2	0.959	14463		1.03
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	11.669	10282.355	4007.323	4.558	91.2	0.779	63720		0.99
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	11.669	10281.898	8758.374	9.962	99.6	0.852	139921		0.97
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	11.669	9468.931	42093.629	51.988	104.0	0.889	2094		1.01
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	11.665	8514.261	104880.820	144.059	96.0	0.821	4046		1.03
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	11.673	7305.929	158164.203	253.177	101.3	0.866	10238		1.03

Compound name: PFDoS
Coefficient of Determination: R^2 = 0.999126
Calibration curve: 0.855083 * x
Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: Null, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

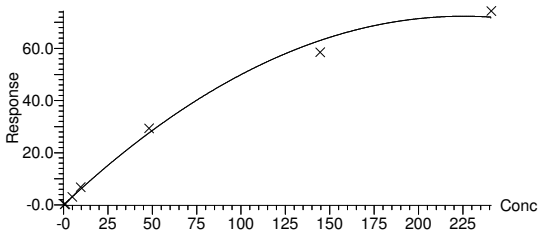
Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Instrument ID	: LCMS02	Ical Ref	: ICAL17286
Calibration dates	: 10/27/20 17:40 10/27/20 19:19		

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: 10:2FTS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	11.284	2645.827	49.737	0.293	60.8	0.390	962		0.96
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	11.288	2360.347	87.963	0.581	60.3	0.387	1566		0.89
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	11.284	2603.435	818.590	4.952	102.7	0.652	14208		0.87
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	11.284	2442.177	1660.211	10.850	112.6	0.705	755		0.84
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	11.284	2471.001	7260.729	51.700	107.3	0.610	659		0.93
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	11.280	3100.220	18130.264	126.719	87.6	0.404	1928		0.95
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	11.294	3750.588	27886.934			0.309	1835		0.85

Compound name: 10:2FTS
Coefficient of Determination: R^2 = 0.994390
Calibration curve: -0.00142435 * x^2 + 0.64199 * x
Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Langan Engineering & Environmental		Lab Number	: L2051957	
Project Name	: 266-270 W. 96TH STREET		Project Number	: 170432001	
Instrument ID	: LCMS02		Ical Ref	: ICAL17286	
Calibration dates	: 10/27/20 17:40	10/27/20 19:19			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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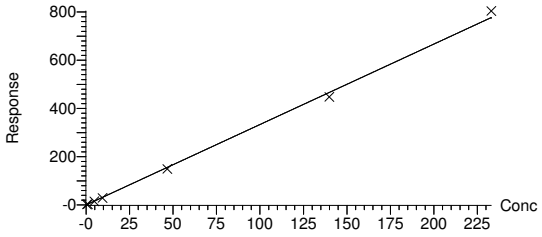
Compound name: 9CL-PF3ONS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	10.0...	9956.047	1488.487	0.448	96.2	3.208	144		1.05
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	10.0...	9522.711	2916.349	0.918	98.5	3.286	405		0.98
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	10.0...	10282.355	15102.245	4.404	94.5	3.152	831		1.00
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	10.0...	10281.898	29379.854	8.568	91.9	3.066	3363		1.07
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	10.0...	9468.931	141680.109	44.865	96.3	3.211	7321		0.99
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	10.0...	8514.261	381718.250	134.429	96.2	3.207	26799		1.04
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	10.0...	7305.929	587571.000	241.146	103.5	3.452	34522		1.04

Compound name: 9CL-PF3ONS
Coefficient of Determination: R^2 = 0.998506
Calibration curve: 3.33506 * x
Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

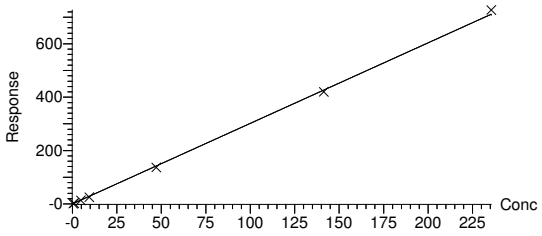
Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Instrument ID	: LCMS02	Ical Ref	: ICAL17286
Calibration dates	: 10/27/20 17:40 10/27/20 19:19		

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: 11CL-PFOUdS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	11.088	9956.047	1101.275	0.366	77.8	2.348	18123		1.10
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	11.088	9522.711	2641.174	0.919	97.5	2.944	43747		1.16
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	11.088	10282.355	14240.591	4.587	97.4	2.940	4621		1.15
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	11.088	10281.898	26155.057	8.426	89.4	2.700	955		1.11
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	11.088	9468.931	129692.742	45.367	96.3	2.908	11771		1.14
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	11.085	8514.261	357390.063	139.033	98.4	2.971	20785		1.16
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	11.092	7305.929	531020.813	240.745	102.2	3.086	11998		1.22

Compound name: 11CL-PFOUdS
Coefficient of Determination: R^2 = 0.999184
Calibration curve: 3.0191 * x
Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Instrument ID	: LCMS02	Ical Ref	: ICAL17286
Calibration dates	: 10/27/20 17:40 10/27/20 19:19		

Alpha Analytical Inc.
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Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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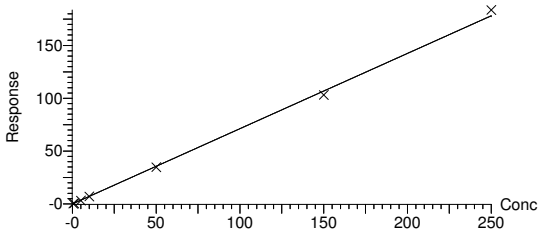
Compound name: NMeFOSA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	11.561	53304.938	76.821	0.222	44.5	0.317	5	422	0.94
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	11.561	50617.336	227.336	0.693	69.3	0.494	26	20	1.02
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	11.561	53829.727	1574.937	4.516	90.3	0.644	140	13628	0.98
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	11.556	53170.625	3406.058	9.888	98.9	0.705	779	30962	0.97
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	11.556	52065.801	16408.238	48.643	97.3	0.693	644	677	0.99
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	11.552	50305.254	47214.273	144.867	96.6	0.688	1829	3602	1.01
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	11.561	47724.113	79669.805	257.671	103.1	0.735	3055	1576	0.99

Compound name: NMeFOSA
Coefficient of Determination: R^2 = 0.998370
Calibration curve: 0.712661 * x
Response type: Internal Std (Ref 69), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Instrument ID	: LCMS02	Ical Ref	: ICAL17286
Calibration dates	: 10/27/20 17:40 10/27/20 19:19		

Alpha Analytical Inc.
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Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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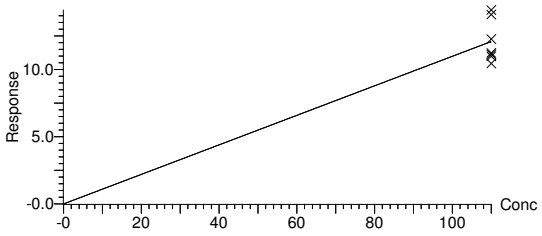
Compound name: d3-NMeFOSA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	11.552	51006.328	53304.938	95.149	86.5	0.095	1968		0.99
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	11.552	46106.000	50617.336	99.955	90.9	0.100	2999		0.98
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	11.552	48397.871	53829.727	101.265	92.1	0.101	1988		0.96
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	11.548	47356.406	53170.625	102.225	92.9	0.102	1293		1.01
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	11.548	42428.355	52065.801	111.727	101.6	0.112	2973		1.03
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	11.543	35690.961	50305.254	128.327	116.7	0.128	4126		1.05
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	11.552	33079.742	47724.113	131.352	119.4	0.131	6758		1.00

Compound name: d3-NMeFOSA
Response Factor: 0.109834
RRF SD: 0.0144292, % Relative SD: 13.1373
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Instrument ID	: LCMS02	Ical Ref	: ICAL17286
Calibration dates	: 10/27/20 17:40 10/27/20 19:19		

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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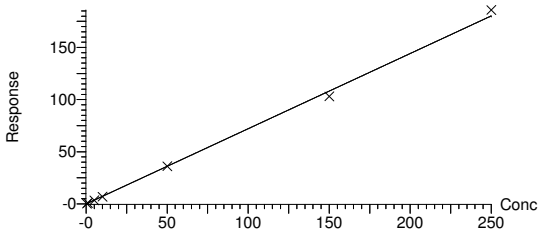
Compound name: NEtFOSA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	11.856	67019.664	149.420	0.340	68.0	0.490	18	230	1.09
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	11.860	63041.063	467.602	1.132	113.2	0.816	13	11	0.99
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	11.856	65198.004	1982.705	4.640	92.8	0.669	222	8311	1.04
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	11.856	63402.086	4011.365	9.654	96.5	0.696	380	186	1.02
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	11.856	63511.059	20795.461	49.960	99.9	0.720	1186	1246	1.06
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	11.851	62862.969	58883.832	142.925	95.3	0.687	6901	2199	1.01
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	11.860	57579.250	97302.570	257.849	103.1	0.744	7879	1386	1.03

Compound name: NEtFOSA
Coefficient of Determination: R^2 = 0.998487
Calibration curve: 0.720918 * x
Response type: Internal Std (Ref 71), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

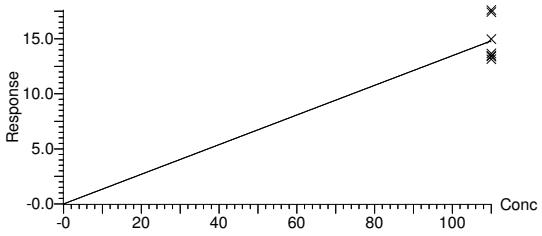
Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Instrument ID	: LCMS02	Ical Ref	: ICAL17286
Calibration dates	: 10/27/20 17:40 10/27/20 19:19		

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: d5-NEtFOSA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	11.847	51006.328	67019.664	97.601	88.7	0.119	8561		0.97
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	11.847	46106.000	63041.063	101.565	92.3	0.124	1267		0.99
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	11.847	48397.871	65198.004	100.066	91.0	0.122	7529		0.97
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	11.843	47356.406	63402.086	99.449	90.4	0.122	2771		1.02
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	11.847	42428.355	63511.059	111.191	101.1	0.136	3493		0.96
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	11.839	35690.961	62862.969	130.832	118.9	0.160	4872		1.01
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	11.848	33079.742	57579.250	129.295	117.5	0.158	2439		1.02

Compound name: d5-NEtFOSA
Response Factor: 0.134624
RRF SD: 0.0176122, % Relative SD: 13.0825
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

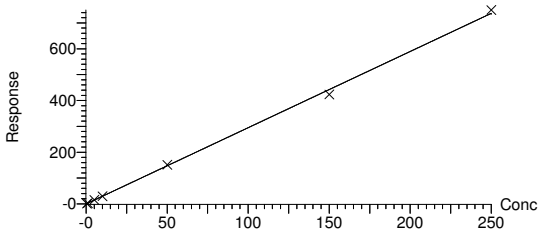
Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Instrument ID	: LCMS02	Ical Ref	: ICAL17286
Calibration dates	: 10/27/20 17:40 10/27/20 19:19		

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: NMeFOSE

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	11.558	33285.082	279.444	0.313	62.6	1.847	4359		1.00
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	11.562	31125.836	845.071	1.013	101.3	2.987	109		1.02
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	11.562	32403.535	4753.509	5.473	109.5	3.227	395		0.96
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	11.558	32555.098	8897.979	10.198	102.0	3.007	744		1.01
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	11.558	32223.236	44420.320	51.432	102.9	3.033	1321		1.02
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	11.558	30666.521	118090.375	143.673	95.8	2.824	5663		0.95
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	11.562	27375.037	186657.031	254.398	101.8	3.000	6544		1.01

Compound name: NMeFOSE
Coefficient of Determination: R^2 = 0.998888
Calibration curve: 2.94828 * x
Response type: Internal Std (Ref 73), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

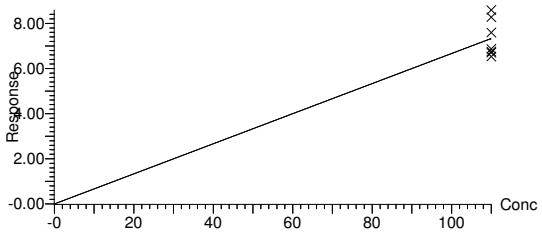
Client	:	Langan Engineering & Environmental	Lab Number	:	L2051957
Project Name	:	266-270 W. 96TH STREET	Project Number	:	170432001
Instrument ID	:	LCMS02	Ical Ref	:	ICAL17286
Calibration dates	:	10/27/20 17:40 10/27/20 19:19			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: d7-NMeFOSE

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	11.545	51006.328	33285.082	97.932	89.0	0.059	1828		1.05
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	11.545	46106.000	31125.836	101.312	92.1	0.061	1269		1.03
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	11.545	48397.871	32403.535	100.477	91.3	0.061	1426		1.02
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	11.540	47356.406	32555.098	103.167	93.8	0.062	2490		1.08
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	11.540	42428.355	32223.236	113.976	103.6	0.069	1918		1.08
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	11.536	35690.961	30666.521	128.945	117.2	0.078	913		1.11
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	11.545	33079.742	27375.037	124.191	112.9	0.075	1523		1.05

Compound name: d7-NMeFOSE
Response Factor: 0.0666348
RRF SD: 0.00756051, % Relative SD: 11.3462
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

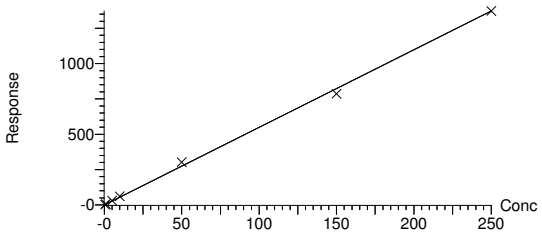
Client	: Langan Engineering & Environmental		Lab Number	: L2051957	
Project Name	: 266-270 W. 96TH STREET		Project Number	: 170432001	
Instrument ID	: LCMS02		Ical Ref	: ICAL17286	
Calibration dates	: 10/27/20 17:40	10/27/20 19:19			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: NEtFOSE

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	11.841	18170.990	306.180	0.338	67.5	3.707	5222		1.09
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	11.849	17398.840	948.509	1.093	109.3	5.997	15808		0.98
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	11.845	18420.014	5171.146	5.626	112.5	6.176	343		1.01
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	11.845	17572.002	9854.252	11.239	112.4	6.169	726		1.00
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	11.845	18403.988	50619.813	55.122	110.2	6.051	4387		1.02
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	11.841	19062.928	136152.641	143.138	95.4	5.238	6120		0.98
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	11.849	17544.461	218810.094	249.945	100.0	5.488	3766		0.98

Compound name: NEtFOSE
Coefficient of Determination: R^2 = 0.997499
Calibration curve: 5.48877 * x
Response type: Internal Std (Ref 75), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Initial Calibration Summary
Form 6
Semivolatiles

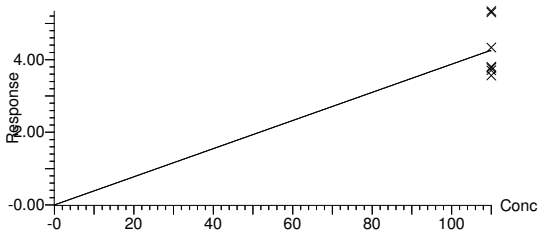
Client	:	Langan Engineering & Environmental	Lab Number	:	L2051957
Project Name	:	266-270 W. 96TH STREET	Project Number	:	170432001
Instrument ID	:	LCMS02	Ical Ref	:	ICAL17286
Calibration dates	:	10/27/20 17:40 10/27/20 19:19			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: d9-NEtFOSE

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	11.829	51006.328	18170.990	91.943	83.6	0.032	1116		0.93
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	11.829	46106.000	17398.840	97.392	88.5	0.034	894		0.94
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	11.825	48397.871	18420.014	98.226	89.3	0.035	1186		1.01
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	11.825	47356.406	17572.002	95.765	87.1	0.034	1066		0.98
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	11.825	42428.355	18403.988	111.948	101.8	0.039	1632		1.00
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	11.821	35690.961	19062.928	137.846	125.3	0.049	2322		0.97
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	11.829	33079.742	17544.461	136.880	124.4	0.048	682		0.96

Compound name: d9-NEtFOSE
Response Factor: 0.038747
RRF SD: 0.00693846, % Relative SD: 17.9071
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

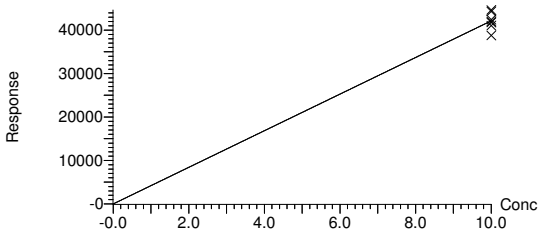
Client	: Langan Engineering & Environmental		Lab Number	: L2051957	
Project Name	: 266-270 W. 96TH STREET		Project Number	: 170432001	
Instrument ID	: LCMS02		Ical Ref	: ICAL17286	
Calibration dates	: 10/27/20 17:40	10/27/20 19:19			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: M3PFPeA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	4.864		44639.566	10.593	105.9	4463.957	6784		1.43
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	4.864		41042.539	9.739	97.4	4104.254	5222		1.66
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	4.870		42443.152	10.072	100.7	4244.315	5891		1.22
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	4.870		44314.113	10.516	105.2	4431.411	3668		1.46
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	4.864		41757.738	9.909	99.1	4175.774	7405		1.48
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	4.867		41996.758	9.966	99.7	4199.676	8715		1.50
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	4.861		38788.695	9.205	92.0	3878.869	450		0.80

Compound name: M3PFPeA
Response Factor: 4214.04
RRF SD: 198.615, % Relative SD: 4.71318
Response type: External Std, Area
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

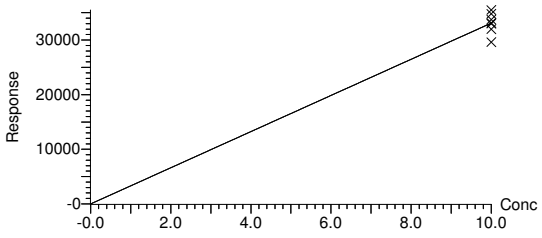
Client	:	Langan Engineering & Environmental	Lab Number	:	L2051957
Project Name	:	266-270 W. 96TH STREET	Project Number	:	170432001
Instrument ID	:	LCMS02	Ical Ref	:	ICAL17286
Calibration dates	:	10/27/20 17:40 10/27/20 19:19			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: M2PFHxA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	6.725		35501.004	10.725	107.3	3550.100	6729		1.79
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	6.725		32976.156	9.963	99.6	3297.616	4436		2.49
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	6.729		33734.836	10.192	101.9	3373.484	4957		2.32
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	6.725		34811.133	10.517	105.2	3481.113	3872		1.88
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	6.725		33109.289	10.003	100.0	3310.929	2422		1.75
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	6.721		31966.926	9.658	96.6	3196.693	2424		1.33
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	6.721		29601.246	8.943	89.4	2960.125	2073		2.53

Compound name: M2PFHxA
Response Factor: 3310.01
RRF SD: 194.235, % Relative SD: 5.86812
Response type: External Std, Area
Curve type: RF



Initial Calibration Summary
Form 6
Semivolatiles

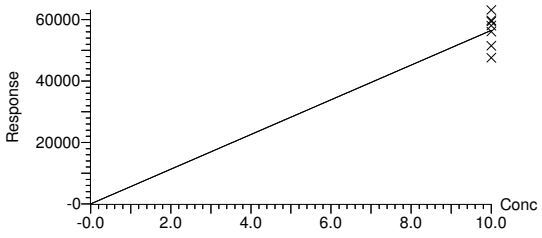
Client	:	Langan Engineering & Environmental	Lab Number	:	L2051957
Project Name	:	266-270 W. 96TH STREET	Project Number	:	170432001
Instrument ID	:	LCMS02	Ical Ref	:	ICAL17286
Calibration dates	:	10/27/20 17:40 10/27/20 19:19			

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: M4PFOA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	8.927		63144.004	11.174	111.7	6314.400	5819		1.80
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	8.926		58029.164	10.269	102.7	5802.916	3405		2.54
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	8.927		59398.582	10.511	105.1	5939.858	2668		2.31
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	8.931		59770.113	10.577	105.8	5977.011	7881		1.80
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	8.927		56087.523	9.925	99.3	5608.752	2804		1.41
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	8.931		51512.473	9.116	91.2	5151.247	4275		1.52
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	8.931		47622.293	8.427	84.3	4762.229	3183		2.32

Compound name: M4PFOA
Response Factor: 5650.92
RRF SD: 531.406, % Relative SD: 9.40389
Response type: External Std, Area
Curve type: RF



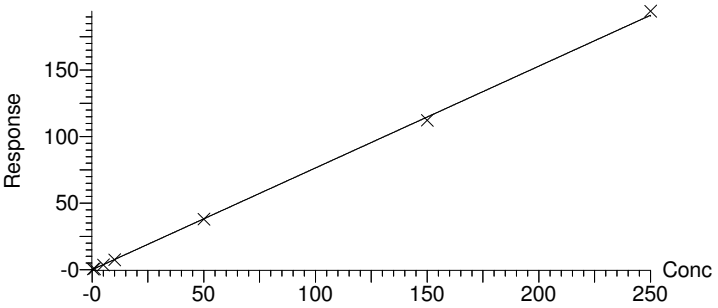
Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Method: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\MethDB\537ISO_Q_201027_TOP.mdb 15 Sep 2020 15:13:47
Calibration: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\CurveDB\201027_ISO_ICAL.cdb 28 Oct 2020 10:14:48

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	1.999	36629.883	1331.786	0.475	95.0	0.727	141		0.85
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	2.002	33983.164	2610.887	1.004	100.4	0.768	3059		0.90
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	2.008	37191.590	13700.101	4.815	96.3	0.737	4895		0.88
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	2.005	36336.988	27087.650	9.743	97.4	0.745	18726		0.85
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	2.005	35276.168	133797.125	49.572	99.1	0.759	35678		0.90
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	2.008	35278.863	396482.969	146.887	97.9	0.749	128625		0.78
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	2.008	33833.730	657531.688	254.004	101.6	0.777	135414		0.74

Compound name: PFBA
Coefficient of Determination: R^2 = 0.999675
Calibration curve: 0.765115 * x
Response type: Internal Std (Ref 3), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



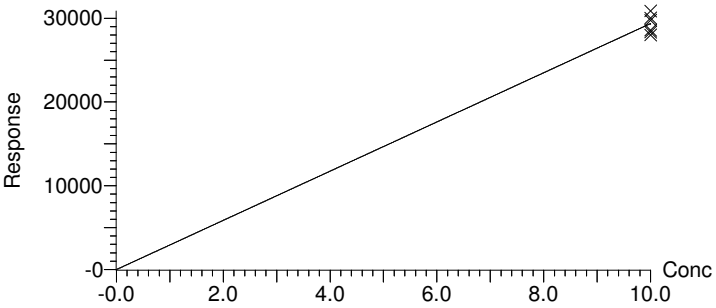
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: M3PFBA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	2.000		30867.322	10.510	105.1	3086.732	23217		0.83
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	2.000		28340.900	9.649	96.5	2834.090	10182		0.89
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	2.006		29770.398	10.136	101.4	2977.040	10518		0.88
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	2.006		30035.455	10.226	102.3	3003.546	18700		0.85
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	2.003		30020.750	10.221	102.2	3002.075	5847		0.90
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	2.006		28558.277	9.724	97.2	2855.828	44311		0.79
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	2.009		27999.389	9.533	95.3	2799.939	40870		0.74

Compound name: M3PFBA
Response Factor: 2937.04
RRF SD: 106.967, % Relative SD: 3.64199
Response type: External Std, Area
Curve type: RF



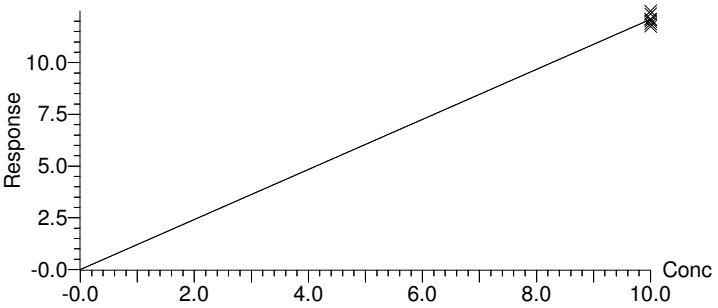
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: MPFBA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	2.001	30867.322	36629.883	9.815	98.1	1.187	59215		0.83
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	2.001	28340.900	33983.164	9.917	99.2	1.199	35169		0.89
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	2.007	29770.398	37191.590	10.332	103.3	1.249	21060		0.87
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	2.004	30035.455	36336.988	10.006	100.1	1.210	20560		0.86
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	2.004	30020.750	35276.168	9.719	97.2	1.175	3079		0.89
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	2.007	28558.277	35278.863	10.217	102.2	1.235	22003		0.78
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	2.007	27999.389	33833.730	9.994	99.9	1.208	48408		0.74

Compound name: MPFBA
Response Factor: 1.20909
RRF SD: 0.0260282, % Relative SD: 2.15272
Response type: Internal Std (Ref 2), Area * (IS Conc. / IS Area)
Curve type: RF



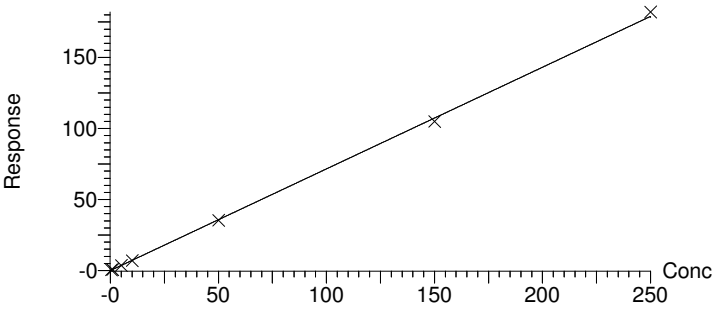
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: PFPeA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	4.849	48582.691	1751.459	0.504	100.7	0.721	533		1.14
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	4.852	44622.344	3265.628	1.022	102.2	0.732	1452		1.19
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	4.858	47937.887	16783.410	4.890	97.8	0.700	5700		1.15
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	4.855	47489.379	32833.141	9.657	96.6	0.691	1710		1.16
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	4.855	44931.820	159103.422	49.461	98.9	0.708	47819		1.18
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	4.849	44669.379	468970.625	146.646	97.8	0.700	133267		1.08
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	4.843	41903.691	762954.688	254.320	101.7	0.728	127492		1.05

Compound name: PFPeA
Coefficient of Determination: R^2 = 0.999624
Calibration curve: 0.715922 * x
Response type: Internal Std (Ref 5), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



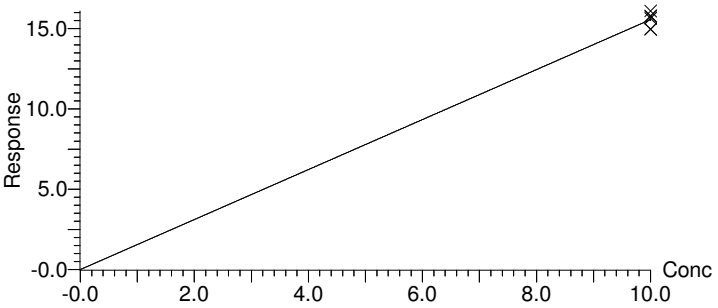
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: M5PFPEA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	4.850	30867.322	48582.691	10.110	101.1	1.574	59150		0.98
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	4.853	28340.900	44622.344	10.114	101.1	1.574	6676		1.05
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	4.856	29770.398	47937.887	10.344	103.4	1.610	37655		1.05
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	4.859	30035.455	47489.379	10.157	101.6	1.581	18368		0.98
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	4.853	30020.750	44931.820	9.614	96.1	1.497	6807		1.08
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	4.853	28558.277	44669.379	10.048	100.5	1.564	15443		0.90
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	4.850	27999.389	41903.691	9.614	96.1	1.497	5381		0.85

Compound name: M5PFPEA
Response Factor: 1.55674
RRF SD: 0.0434856, % Relative SD: 2.79337
Response type: Internal Std (Ref 2), Area * (IS Conc. / IS Area)
Curve type: RF



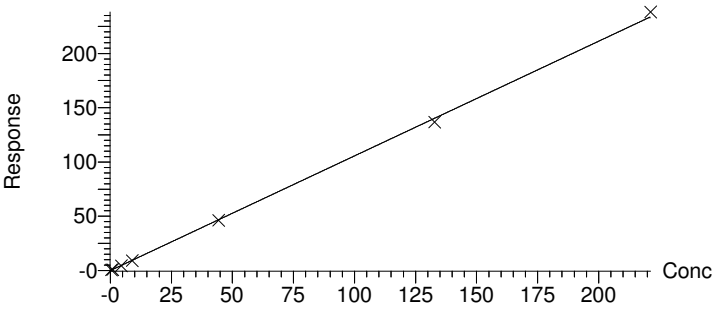
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: PFBS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	5.504	9584.210	429.945	0.425	96.0	1.014	4445	72	0.90
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	5.504	9102.530	852.820	0.887	100.2	1.059	430	92	0.91
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	5.507	9667.796	4386.881	4.295	97.1	1.025	1621	442	0.89
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	5.507	9588.503	8637.362	8.527	96.3	1.018	2726	956	0.87
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	5.504	9216.234	42640.316	43.793	99.0	1.046	10148	4940	0.93
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	5.500	8706.579	119077.719	129.456	97.5	1.030	11708	12591	0.77
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	5.500	7824.073	186371.891	225.470	101.9	1.077	25156	6822	0.73

Compound name: PFBS
Coefficient of Determination: R^2 = 0.999542
Calibration curve: 1.05648 * x
Response type: Internal Std (Ref 7), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



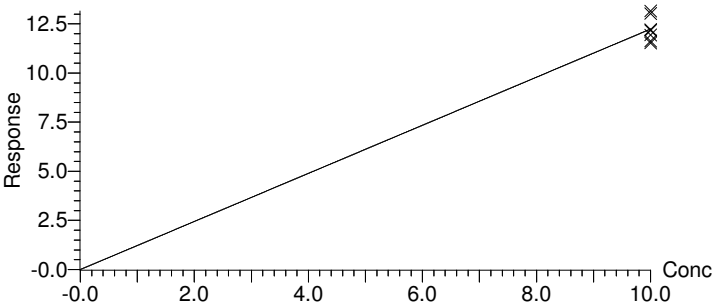
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: M3PFBS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	5.504	8237.715	9584.210	9.507	95.1	1.163	1220		0.83
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	5.504	7629.246	9102.530	9.750	97.5	1.193	881		0.90
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	5.508	7951.753	9667.796	9.935	99.4	1.216	1800		0.89
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	5.508	8313.277	9588.503	9.425	94.3	1.153	1170		0.85
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	5.504	7545.956	9216.234	9.980	99.8	1.221	2561		0.92
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	5.497	6617.395	8706.579	10.751	107.5	1.316	1472		0.81
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	5.497	6002.718	7824.073	10.651	106.5	1.303	1327		0.74

Compound name: M3PFBS
Response Factor: 1.22375
RRF SD: 0.0637668, % Relative SD: 5.21077
Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)
Curve type: RF



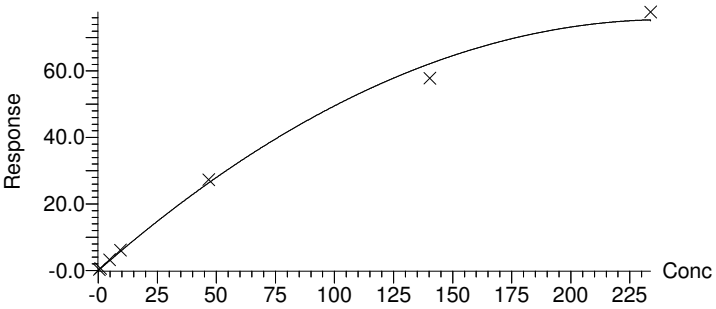
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: 4:2FTS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	6.659	3397.517	96.695	0.456	97.6	0.609	17	12	0.76
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	6.648	2955.467	203.048	1.103	118.0	0.735	3268	14	0.98
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	6.648	3023.160	993.445	5.322	113.8	0.703	577	7285	1.09
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	6.651	3065.863	1896.069	10.118	108.2	0.661	32750	799	0.88
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	6.648	3355.332	9179.643	48.736	104.2	0.585	2063	1293	0.97
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	6.644	4612.753	26685.746	124.968	89.1	0.412	7378	3122	0.91
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	6.644	5634.371	43801.742			0.333	6838	2145	0.86

Compound name: 4:2FTS
Coefficient of Determination: R^2 = 0.996406
Calibration curve: -0.00129109 * x^2 + 0.624279 * x
Response type: Internal Std (Ref 9), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



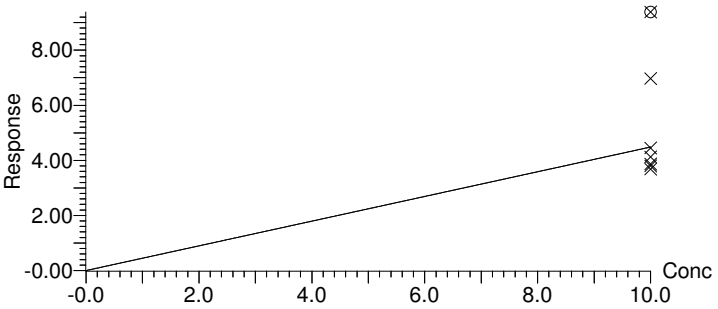
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: M2-4:2FTS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	6.648	8237.715	3397.517	9.198	92.0	0.412	304		0.89
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	6.648	7629.246	2955.467	8.639	86.4	0.387	1244		0.95
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	6.652	7951.753	3023.160	8.478	84.8	0.380	1516		0.93
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	6.652	8313.277	3065.863	8.224	82.2	0.369	6826		0.84
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	6.648	7545.956	3355.332	9.916	99.2	0.445	868		0.96
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	6.644	6617.395	4612.753	15.545	155.4	0.697	1569		0.89
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	6.644	6002.718	5634.371	20.932	209.3	0.939	1504		0.87

Compound name: M2-4:2FTS
Response Factor: 0.44842
RRF SD: 0.124784, % Relative SD: 27.8274
Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)
Curve type: RF



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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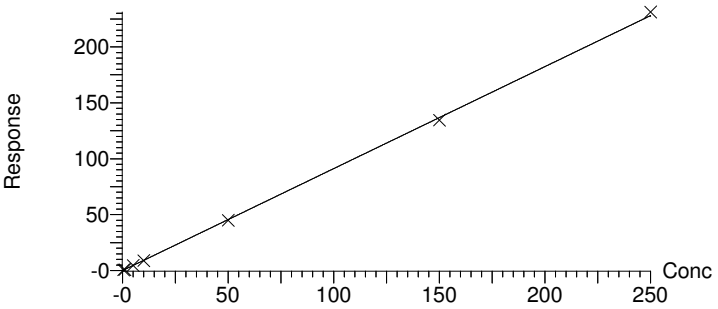
Compound name: PFHxA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	6.725	43978.688	2130.806	0.531	106.3	0.969	352	23	0.93
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	6.725	39991.105	3940.748	1.081	108.1	0.985	451	70	1.00
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	6.729	43688.758	19803.695	4.971	99.4	0.907	2432	269	0.96
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	6.729	42545.617	37474.828	9.659	96.6	0.881	1573	447	0.93
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	6.725	40018.801	179828.781	49.277	98.6	0.899	12027	1530	1.01
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	6.721	38097.172	512194.344	147.431	98.3	0.896	25122	5331	0.96
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	6.721	35152.961	812787.813	253.550	101.4	0.925	15096	16260	0.94

Compound name: PFHxA
Coefficient of Determination: R^2 = 0.999723
Calibration curve: 0.91191 * x
Response type: Internal Std (Ref 11), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



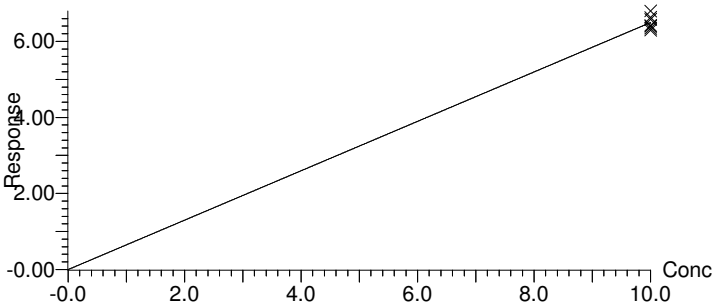
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: M5PFHxA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	6.726	69847.859	43978.688	9.694	96.9	0.630	7254		0.92
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	6.726	63009.621	39991.105	9.771	97.7	0.635	2673		0.95
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	6.726	66413.383	43688.758	10.128	101.3	0.658	3364		1.01
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	6.726	66536.914	42545.617	9.844	98.4	0.639	2175		0.97
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	6.726	62298.621	40018.801	9.890	98.9	0.642	2946		0.97
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	6.722	56034.859	38097.172	10.467	104.7	0.680	3305		0.92
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	6.722	53029.133	35152.961	10.206	102.1	0.663	2507		0.90

Compound name: M5PFHxA
Response Factor: 0.649533
RRF SD: 0.0179745, % Relative SD: 2.7673
Response type: Internal Std (Ref 21), Area * (IS Conc. / IS Area)
Curve type: RF



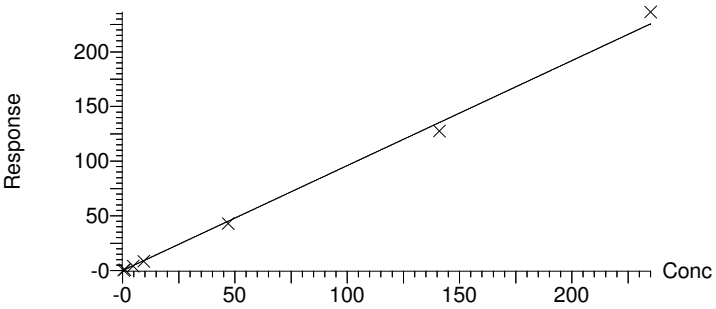
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: PFPeS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	7.045	8997.679	341.737	0.396	84.2	0.808	6493	5	1.04
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	7.049	8296.991	705.173	0.885	94.2	0.904	13481	35	0.97
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	7.049	8928.164	3778.355	4.408	93.8	0.900	443	221	1.07
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	7.049	8588.098	7222.685	8.760	93.2	0.895	1537	3939	0.94
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	7.049	8222.822	35292.180	44.706	95.1	0.913	5293	2895	0.99
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	7.042	7444.395	95085.969	133.044	94.4	0.906	11307	7330	0.97
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	7.038	6188.457	146338.891	246.311	104.8	1.006	9354	6740	1.01

Compound name: PFPeS
Coefficient of Determination: R^2 = 0.997234
Calibration curve: 0.960048 * x
Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



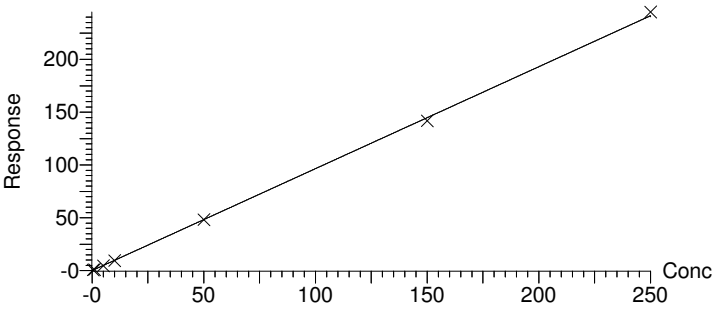
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: PFHpA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	7.989	56300.918	2683.943	0.494	98.7	0.953	667	12	1.03
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	7.988	51154.141	5155.126	1.043	104.3	1.008	1001	355	1.09
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	7.989	55588.770	26102.111	4.862	97.2	0.939	3935	1683	1.04
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	7.992	54333.383	50775.520	9.676	96.8	0.935	3929	1573	1.02
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	7.995	49625.898	238648.891	49.792	99.6	0.962	15058	5666	1.03
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	7.992	46998.316	667100.250	146.967	98.0	0.946	19912	11793	1.06
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	7.995	42342.320	1037354.375	253.666	101.5	0.980	25171	13594	1.08

Compound name: PFHpA
Coefficient of Determination: R^2 = 0.999707
Calibration curve: 0.965806 * x
Response type: Internal Std (Ref 14), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



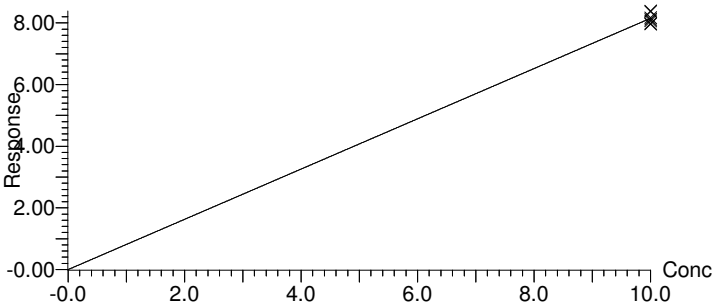
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: M4PFHpA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	7.989	69847.859	56300.918	9.890	98.9	0.806	9941		1.00
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	7.989	63009.621	51154.141	9.961	99.6	0.812	6225		1.04
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	7.989	66413.383	55588.770	10.270	102.7	0.837	3209		1.03
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	7.992	66536.914	54333.383	10.019	100.2	0.817	4283		1.01
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	7.992	62298.621	49625.898	9.774	97.7	0.797	4197		1.10
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	7.992	56034.859	46998.316	10.291	102.9	0.839	6057		1.03
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	7.995	53029.133	42342.320	9.797	98.0	0.798	5162		1.05

Compound name: M4PFHpA
Response Factor: 0.815041
RRF SD: 0.0170917, % Relative SD: 2.09703
Response type: Internal Std (Ref 21), Area * (IS Conc. / IS Area)
Curve type: RF



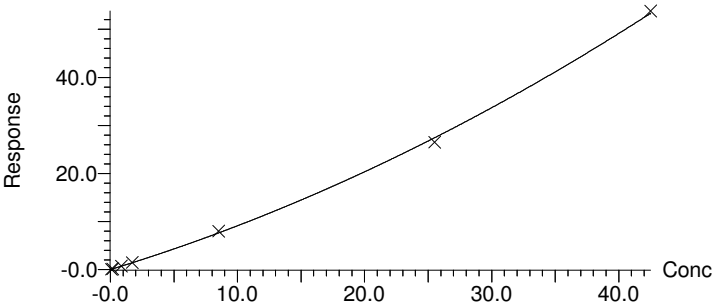
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: br-PFHxS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	7.856	8997.679	40.308	0.056	65.3	0.527	6	3	3.37
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	7.924	8296.991	123.173	0.184	108.1	0.873	22	6	0.34
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	7.918	8928.164	656.582	0.902	106.1	0.865	36	6	0.50
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	7.924	8588.098	1251.063	1.766	103.9	0.857	193	17	0.44
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	7.928	8222.822	6556.424	8.863	104.3	0.938	424	178	0.42
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	7.924	7444.395	19728.098	24.809	97.3	1.039	1405	371	0.44
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	7.931	6188.457	33308.402	42.781	100.7	1.266	1694	1423	0.41

Compound name: br-PFHxS
Coefficient of Determination: R^2 = 0.999366
Calibration curve: 0.0105674 * x^2 + 0.806028 * x
Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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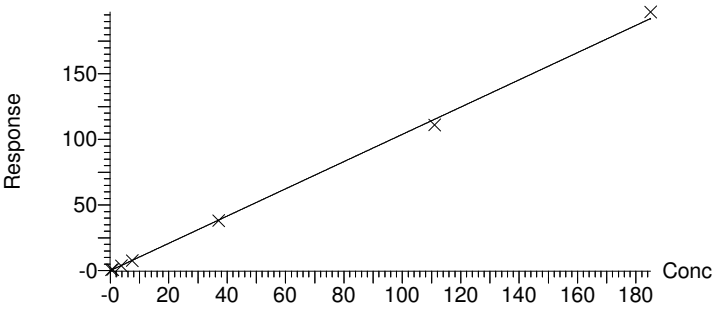
Compound name: L-PFHxS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	8.155	8997.679	347.615	0.372	100.5	1.044	70	25	1.05
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	8.155	8296.991	682.923	0.792	107.0	1.112	184	80	0.98
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	8.155	8928.164	3269.911	3.525	95.3	0.990	326	60	1.05
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	8.158	8588.098	6474.310	7.255	98.0	1.019	1721	181	0.99
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	8.161	8222.822	31316.766	36.651	99.1	1.029	3388	1854	1.00
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	8.155	7444.395	82624.984	106.810	96.2	1.000	9327	3276	1.13
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	8.158	6188.457	122057.078	189.806	102.6	1.066	9385	11195	1.19

Compound name: L-PFHxS
Coefficient of Determination: R^2 = 0.999100
Calibration curve: 1.03913 * x
Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



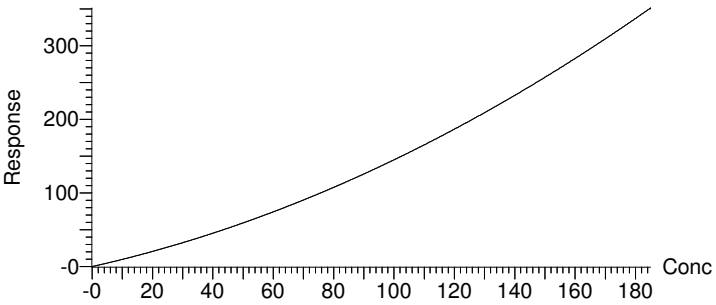
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: PFHxS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	ng/mL	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30		8997.679	387.923	0.427					
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04		8296.991	806.096	0.976					
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43		8928.164	3926.493	4.426					
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17		8588.098	7725.373	9.021					
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51		8222.822	37873.190	45.513					
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25		7444.395	102353.082	131.619					
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59		6188.457	155365.480	232.587					

Compound name: PFHxS
Coefficient of Determination: 0.000000
Calibration curve: 0.92258 * x
Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



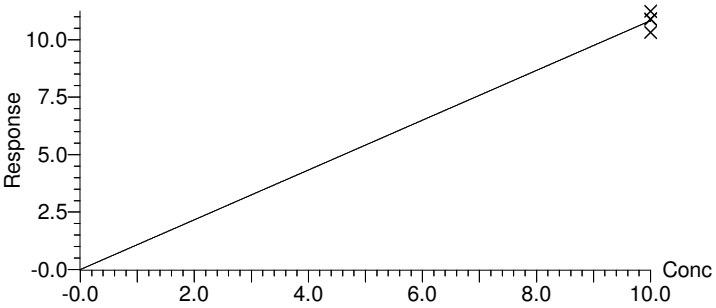
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: M3PFHxS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	8.152	8237.715	8997.679	10.085	100.9	1.092	4758		1.05
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	8.155	7629.246	8296.991	10.041	100.4	1.088	977		1.03
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	8.155	7951.753	8928.164	10.367	103.7	1.123	1948		1.00
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	8.155	8313.277	8588.098	9.539	95.4	1.033	1591		1.10
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	8.158	7545.956	8222.822	10.062	100.6	1.090	2341		1.11
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	8.155	6617.395	7444.395	10.387	103.9	1.125	1841		1.12
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	8.158	6002.718	6188.457	9.519	95.2	1.031	1085		1.13

Compound name: M3PFHxS
Response Factor: 1.08303
RRF SD: 0.0380796, % Relative SD: 3.51601
Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)
Curve type: RF



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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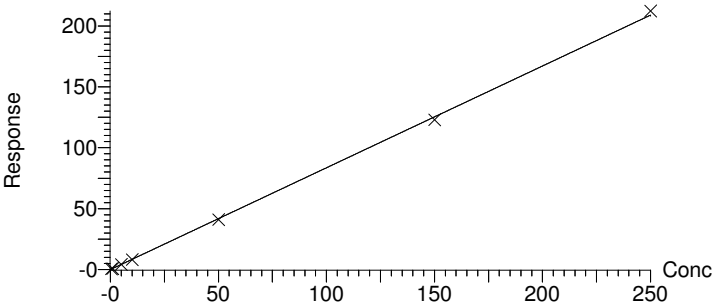
Compound name: br-PFOA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	ng/mL	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30		75887.242							
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04		70624.547							
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43		74040.234							
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17		72234.883							
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51		68120.125							
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25		62624.855						2	
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59		56612.469							

Compound name: L-PFOA
Coefficient of Determination: R^2 = 0.999673
Calibration curve: 0.835614 * x
Response type: Internal Std (Ref 23), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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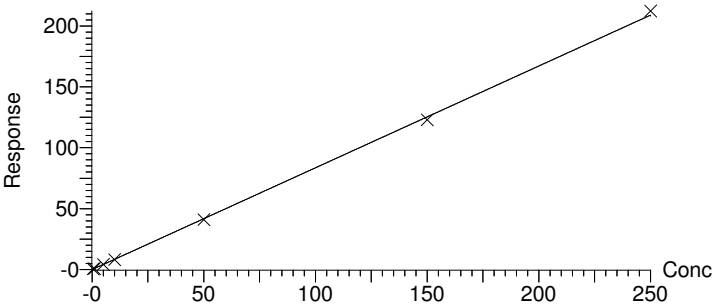
Compound name: L-PFOA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	8.927	75887.242	3445.778	0.543	108.7	0.908	789	9088	1.03
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	8.930	70624.547	6036.762	1.023	102.3	0.855	1029	92	0.97
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	8.926	74040.234	30701.105	4.962	99.2	0.829	1783	6987	1.08
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	8.930	72234.883	59168.383	9.803	98.0	0.819	3958	1428	1.06
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	8.930	68120.125	278649.563	48.953	97.9	0.818	7564	4003	1.03
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	8.930	62624.855	770249.063	147.190	98.1	0.820	16252	5607	1.13
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	8.930	56612.469	1201700.500	254.026	101.6	0.849	17435	9494	1.09

Compound name: L-PFOA
Coefficient of Determination: R^2 = 0.999673
Calibration curve: 0.835614 * x
Response type: Internal Std (Ref 23), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



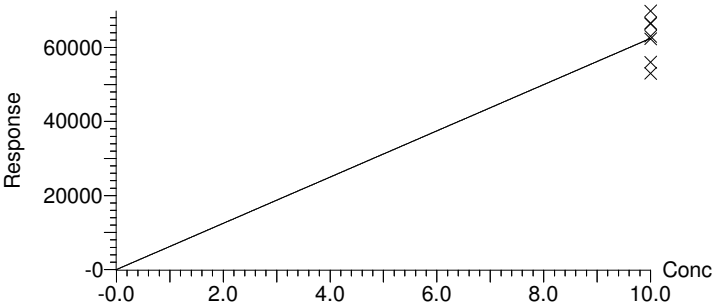
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: M2PFOA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	ng/mL	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	8.927		69847.859	11.184	111.8	6984.786	4872		1.05
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	8.930		63009.621	10.089	100.9	6300.962	4538		1.03
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	8.927		66413.383	10.634	106.3	6641.338	3407		1.07
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	8.930		66536.914	10.654	106.5	6653.691	8010		1.05
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	8.927		62298.621	9.975	99.8	6229.862	3337		1.13
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	8.930		56034.859	8.972	89.7	5603.486	2449		1.13
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	8.930		53029.133	8.491	84.9	5302.913	4666		1.10

Compound name: M2PFOA
Response Factor: 6245.29
RRF SD: 601.917, % Relative SD: 9.63793
Response type: External Std, Area
Curve type: RF



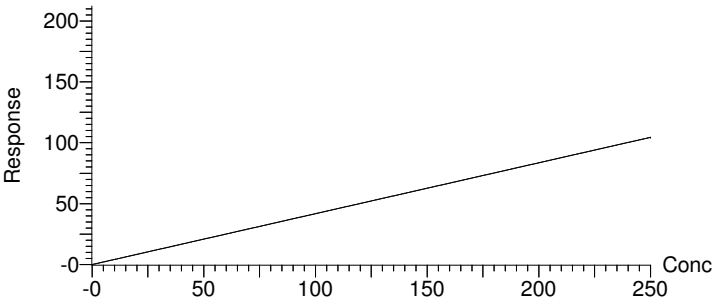
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: PFOA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	ng/mL	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30		75887.242	3445.778	0.543					
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04		70624.547	6036.762	1.023					
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43		74040.234	30701.105	4.962					
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17		72234.883	59168.383	9.803					
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51		68120.125	278649.563	48.953					
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25		62624.855	770249.063	147.190					
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59		56612.469	1201700.500	254.026					

Compound name: PFOA
Coefficient of Determination: 0.000000
Calibration curve: 0.417807 * x
Response type: Internal Std (Ref 23), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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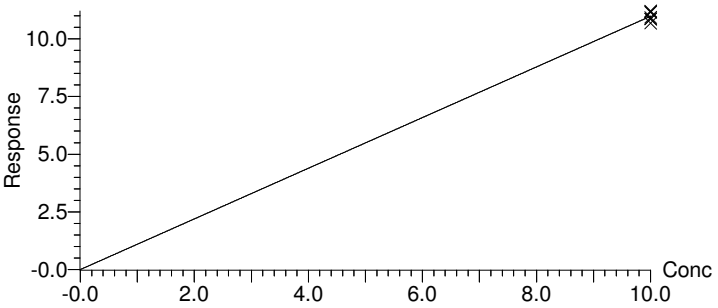
Compound name: M8PFOA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	8.927	69847.859	75887.242	9.894	98.9	1.086	10101		1.00
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	8.927	63009.621	70624.547	10.208	102.1	1.121	7301		1.08
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	8.927	66413.383	74040.234	10.153	101.5	1.115	9677		1.03
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	8.931	66536.914	72234.883	9.887	98.9	1.086	3657		1.02
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	8.927	62298.621	68120.125	9.958	99.6	1.093	6225		1.08
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	8.931	56034.859	62624.855	10.178	101.8	1.118	2688		1.08
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	8.931	53029.133	56612.469	9.722	97.2	1.068	6730		1.02

Compound name: M8PFOA
Response Factor: 1.09806
RRF SD: 0.0200941, % Relative SD: 1.82997
Response type: Internal Std (Ref 21), Area * (IS Conc. / IS Area)
Curve type: RF



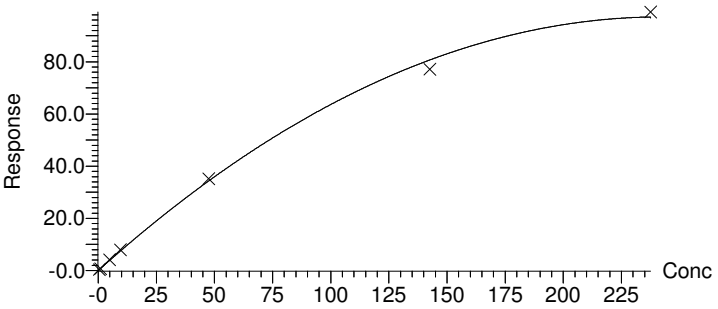
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: 6:2FTS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	8.879	3597.438	123.650	0.429	90.3	0.724	36	34	1.22
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	8.882	3305.858	230.059	0.870	91.5	0.733	22	7	1.16
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	8.883	3541.775	1473.459	5.245	110.4	0.876	31285	1143	1.03
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	8.887	3349.512	2667.924	10.147	106.8	0.838	1651	6	0.99
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	8.883	3782.906	13298.445	48.743	102.6	0.740	982	12759	1.10
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	8.887	4763.921	36777.746	132.446	92.9	0.542	2491	887	1.02
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	8.887	5968.777	59155.328			0.417	4146	2173	0.98

Compound name: 6:2FTS
Coefficient of Determination: R^2 = 0.998419
Calibration curve: -0.00165269 * x^2 + 0.801775 * x
Response type: Internal Std (Ref 25), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



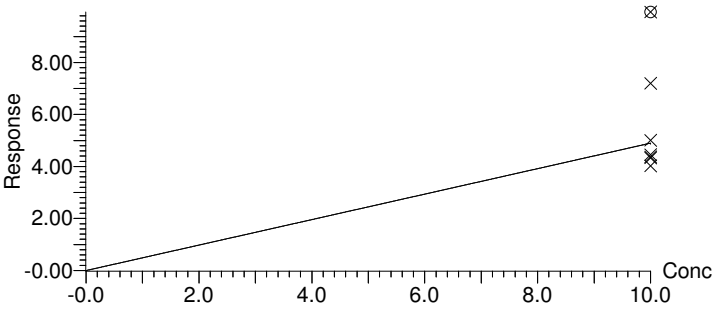
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: M2-6:2FTS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	8.883	8237.715	3597.438	8.914	89.1	0.437	74405		0.97
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	8.883	7629.246	3305.858	8.844	88.4	0.433	233		1.08
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	8.883	7951.753	3541.775	9.091	90.9	0.445	76436		0.95
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	8.887	8313.277	3349.512	8.224	82.2	0.403	858		1.06
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	8.883	7545.956	3782.906	10.232	102.3	0.501	291		1.10
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	8.890	6617.395	4763.921	14.694	146.9	0.720	7229		0.91
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	8.887	6002.718	5968.777	20.296	203.0	0.994	131715		0.96

Compound name: M2-6:2FTS
Response Factor: 0.489927
RRF SD: 0.117143, % Relative SD: 23.9104
Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)
Curve type: RF



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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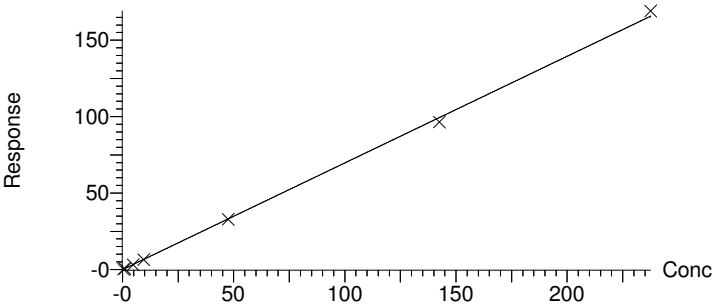
Compound name: PFHpS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	9.020	9956.047	285.625	0.411	86.6	0.604	6397	5845	1.13
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	9.022	9522.711	692.195	1.042	109.7	0.765	706	178	1.00
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	9.023	10282.355	3298.167	4.598	96.8	0.675	438	349	0.98
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	9.023	10281.898	6600.149	9.202	96.9	0.676	2499	709	1.04
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	9.023	9468.931	31192.977	47.223	99.4	0.694	4214	4332	1.02
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	9.026	8514.261	82130.172	138.279	97.0	0.677	3845	7017	1.07
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	9.026	7305.929	123549.984	242.419	102.1	0.712	7554	8254	1.01

Compound name: PFHpS
Coefficient of Determination: R^2 = 0.999395
Calibration curve: 0.697589 * x
Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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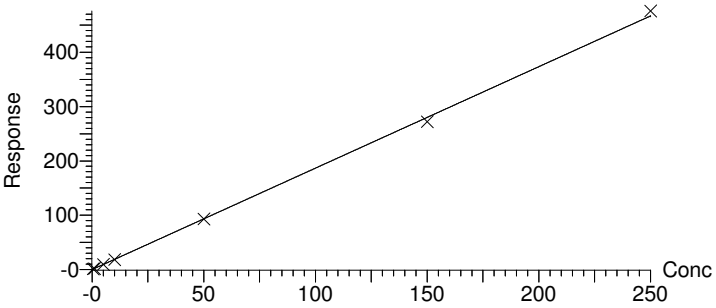
Compound name: PFNA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	9.679	29633.674	2639.310	0.477	95.4	1.781	299	38	1.09
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	9.684	26850.799	5129.088	1.023	102.3	1.910	331	39497	1.08
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	9.682	29167.717	26886.303	4.935	98.7	1.844	2529	2080	1.13
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	9.681	28192.857	51532.047	9.787	97.9	1.828	4780	1184	1.12
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	9.679	25800.195	239615.203	49.727	99.5	1.857	17037	4715	1.17
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	9.682	23598.246	642119.938	145.691	97.1	1.814	31937	15009	1.09
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	9.682	20947.984	997118.250	254.860	101.9	1.904	17611	23722	1.15

Compound name: PFNA
Coefficient of Determination: R^2 = 0.999499
Calibration curve: 1.86768 * x
Response type: Internal Std (Ref 28), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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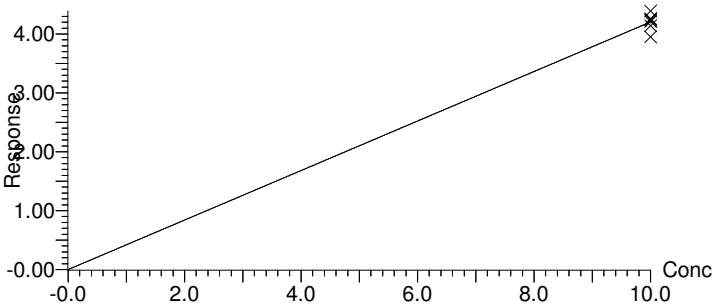
Compound name: M9PFNA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	9.677	69847.859	29633.674	10.089	100.9	0.424	4512		1.16
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	9.681	63009.621	26850.799	10.134	101.3	0.426	3874		1.13
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	9.682	66413.383	29167.717	10.444	104.4	0.439	3250		1.09
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	9.682	66536.914	28192.857	10.076	100.8	0.424	2860		1.09
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	9.679	62298.621	25800.195	9.848	98.5	0.414	6705		1.14
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	9.679	56034.859	23598.246	10.015	100.1	0.421	1612		1.15
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	9.682	53029.133	20947.984	9.394	93.9	0.395	1760		1.12

Compound name: M9PFNA
Response Factor: 0.420514
RRF SD: 0.0135099, % Relative SD: 3.2127
Response type: Internal Std (Ref 21), Area * (IS Conc. / IS Area)
Curve type: RF



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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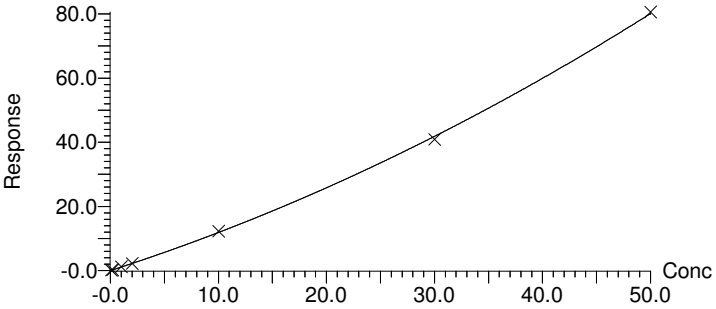
Compound name: br-PFOS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	9.545	9956.047	89.177	0.083	82.7	0.896	1	2	0.38
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	9.555	9522.711	217.289	0.210	105.2	1.141	12	9	0.31
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	9.553	10282.355	1187.909	1.056	105.6	1.155	160	7	0.36
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	9.549	10281.898	2270.587	2.001	100.1	1.104	50	99	0.35
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	9.549	9468.931	11627.757	10.319	103.2	1.228	1016	205	0.38
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	9.550	8514.261	34805.055	29.435	98.1	1.363	837	489	0.37
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	9.553	7305.929	58900.371	50.232	100.5	1.612	1229	488	0.36

Compound name: br-PFOS
Coefficient of Determination: R^2 = 0.999698
Calibration curve: 0.010395 * x^2 + 1.08279 * x
Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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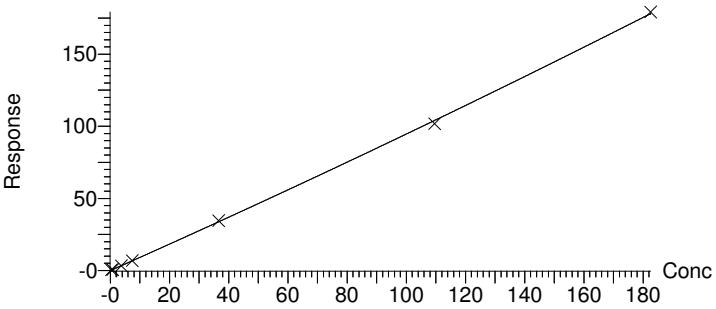
Compound name: L-PFOS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	9.730	9956.047	368.000	0.406	111.1	1.013	8	17	1.14
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	9.736	9522.711	704.039	0.811	111.1	1.013	54	88	1.02
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	9.737	10282.355	3454.731	3.683	100.9	0.921	774	69	1.04
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	9.733	10281.898	6967.585	7.417	101.6	0.928	308	999	1.11
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	9.733	9468.931	32678.824	37.339	102.3	0.946	5770	1975	1.07
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	9.733	8514.261	86698.609	107.293	98.0	0.930	4097	3931	1.11
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	9.737	7305.929	130931.195	183.601	100.6	0.982	5242	3388	1.08

Compound name: L-PFOS
Coefficient of Determination: R^2 = 0.999735
Calibration curve: 0.000354341 * x^2 + 0.911041 * x
Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



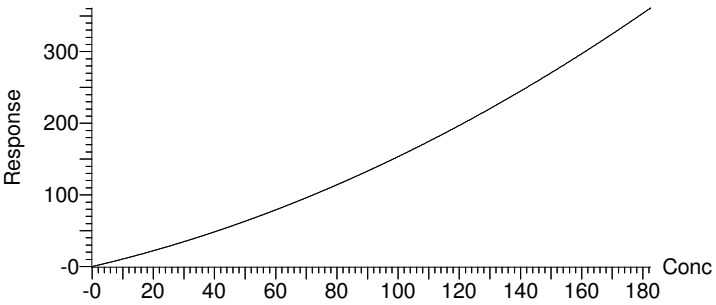
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: PFOS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	ng/mL	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30		9956.047	457.177	0.488					
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04		9522.711	921.328	1.022					
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43		10282.355	4642.640	4.739					
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17		10281.898	9238.172	9.418					
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51		9468.931	44306.581	47.658					
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25		8514.261	121503.664	136.728					
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59		7305.929	189831.566	233.833					

Compound name: PFOS
Coefficient of Determination: 0.000000
Calibration curve: 0.996918 * x
Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



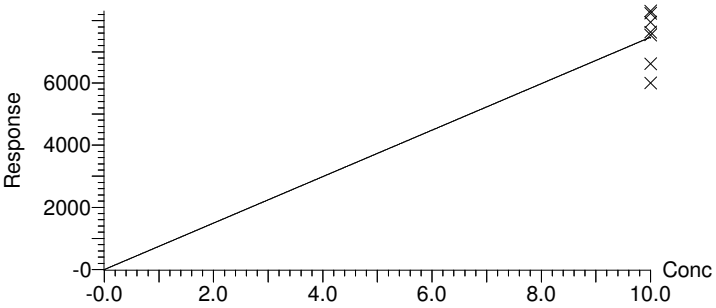
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: M4PFOS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	9.730		8237.715	11.026	110.3	823.771	806		1.12
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	9.737		7629.246	10.212	102.1	762.925	2346		1.03
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	9.734		7951.753	10.643	106.4	795.175	700		1.13
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	9.733		8313.277	11.127	111.3	831.328	1179		1.12
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	9.733		7545.956	10.100	101.0	754.596	863		1.06
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	9.734		6617.395	8.857	88.6	661.740	1264		1.13
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	9.737		6002.718	8.035	80.3	600.272	161		1.06

Compound name: M4PFOS
Response Factor: 747.115
RRF SD: 86.0577, % Relative SD: 11.5187
Response type: External Std, Area
Curve type: RF



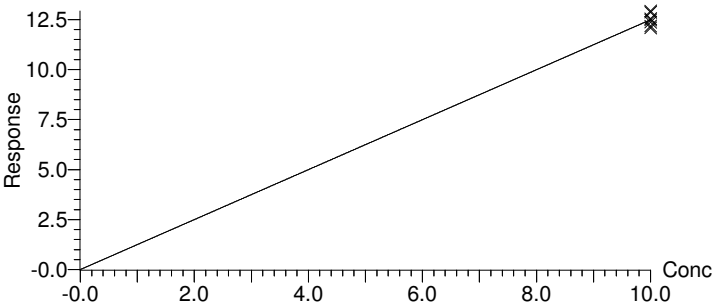
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: M8PFOS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	9.730	8237.715	9956.047	9.674	96.7	1.209	2860		1.12
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	9.737	7629.246	9522.711	9.991	99.9	1.248	2979		0.99
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	9.734	7951.753	10282.355	10.350	103.5	1.293	586		1.10
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	9.733	8313.277	10281.898	9.900	99.0	1.237	1645		1.08
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	9.733	7545.956	9468.931	10.044	100.4	1.255	1111		1.07
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	9.734	6617.395	8514.261	10.299	103.0	1.287	1708		1.10
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	9.737	6002.718	7305.929	9.742	97.4	1.217	2506		1.07

Compound name: M8PFOS
Response Factor: 1.24932
RRF SD: 0.032131, % Relative SD: 2.57187
Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)
Curve type: RF



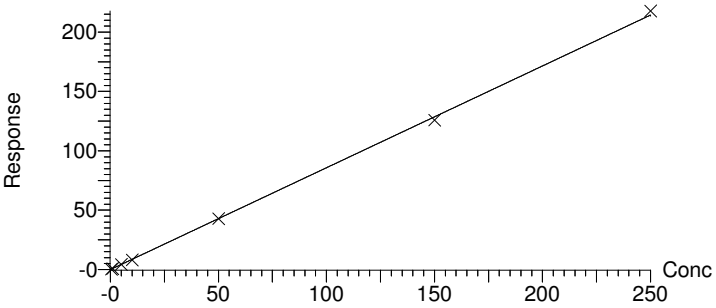
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: PFDA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	10.2...	54696.945	2138.844	0.456	91.2	0.782	414	483	0.97
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	10.2...	50154.770	4365.067	1.015	101.5	0.870	304	5	1.08
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	10.2...	54602.273	23014.115	4.915	98.3	0.843	2312	2554	1.16
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	10.2...	52056.340	42278.363	9.471	94.7	0.812	5860	958	1.07
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	10.2...	45583.359	194895.203	49.860	99.7	0.855	10860	3024	1.17
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	10.2...	39822.336	501362.563	146.819	97.9	0.839	18385	7458	1.08
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	10.2...	35647.895	776329.750	253.963	101.6	0.871	16849	10043	1.16

Compound name: PFDA
Coefficient of Determination: R^2 = 0.999637
Calibration curve: 0.857515 * x
Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



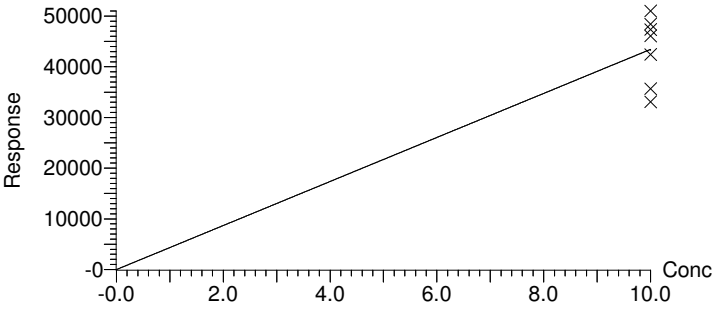
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: M2PFDA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	10.2...		51006.328	11.742	117.4	5100.633	9956		1.15
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	10.2...		46106.000	10.614	106.1	4610.600	4528		1.16
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	10.2...		48397.871	11.142	111.4	4839.787	6577		1.15
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	10.2...		47356.406	10.902	109.0	4735.641	3830		1.07
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	10.2...		42428.355	9.768	97.7	4242.836	5862		1.15
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	10.2...		35690.961	8.217	82.2	3569.096	1495		1.17
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	10.2...		33079.742	7.615	76.2	3307.974	7517		1.16

Compound name: M2PFDA
Response Factor: 4343.8
RRF SD: 674.143, % Relative SD: 15.5197
Response type: External Std, Area
Curve type: RF



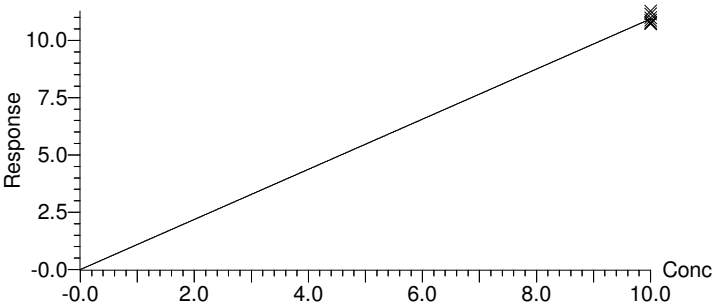
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: M6PFDA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	10.2...	51006.328	54696.945	9.806	98.1	1.072	8362		1.13
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	10.2...	46106.000	50154.770	9.947	99.5	1.088	4113		1.17
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	10.2...	48397.871	54602.273	10.316	103.2	1.128	6889		1.14
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	10.2...	47356.406	52056.340	10.051	100.5	1.099	5351		1.15
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	10.2...	42428.355	45583.359	9.824	98.2	1.074	5348		1.14
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	10.2...	35690.961	39822.336	10.202	102.0	1.116	2266		1.15
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	10.2...	33079.742	35647.895	9.854	98.5	1.078	3941		1.14

Compound name: M6PFDA
Response Factor: 1.09362
RRF SD: 0.0217154, % Relative SD: 1.98564
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: RF



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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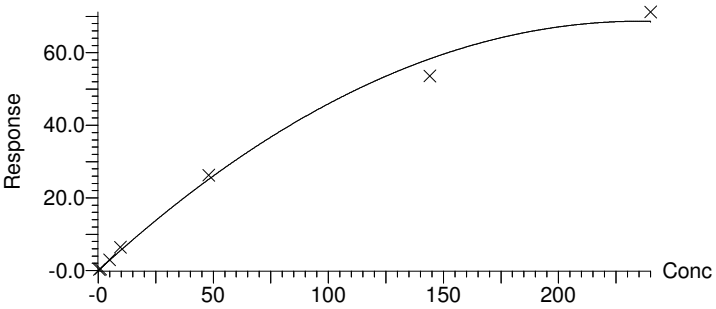
Compound name: 8:2FTS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	10.2...	2645.827	68.300	0.443	92.4	0.538	10		2.33
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	10.2...	2360.347	110.621	0.806	83.9	0.488	3319	197	0.91
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	10.2...	2603.435	777.734	5.183	108.0	0.622	17909	4	0.88
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	10.2...	2442.177	1564.002	11.257	117.3	0.667	240	9	1.12
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	10.2...	2471.001	6485.010	50.425	105.1	0.547	862	20	1.10
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	10.2...	3100.220	16609.408	125.161	86.9	0.372	614	54	1.13
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	10.2...	3750.588	26708.061			0.297	546	12477	1.24

Compound name: 8:2FTS
Coefficient of Determination: R^2 = 0.994592
Calibration curve: -0.00123661 * x^2 + 0.582824 * x
Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



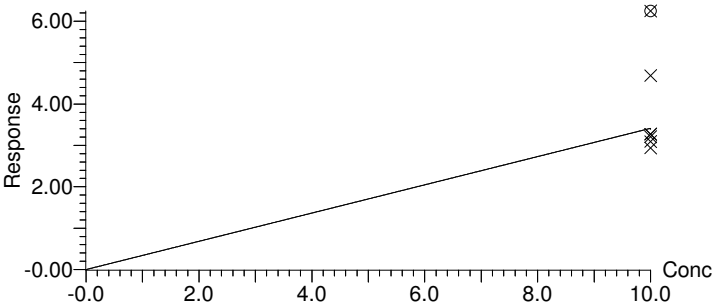
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: M2-8:2FTS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	10.2...	8237.715	2645.827	9.411	94.1	0.321	291		1.32
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	10.2...	7629.246	2360.347	9.065	90.7	0.309	418		1.02
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	10.2...	7951.753	2603.435	9.593	95.9	0.327	58121		1.30
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	10.2...	8313.277	2442.177	8.608	86.1	0.294	59807		1.13
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	10.2...	7545.956	2471.001	9.595	95.9	0.327	54627		1.16
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	10.2...	6617.395	3100.220	13.728	137.3	0.468	830		1.18
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	10.2...	6002.718	3750.588	18.308	183.1	0.625	4896		1.27

Compound name: M2-8:2FTS
Response Factor: 0.341282
RRF SD: 0.0636334, % Relative SD: 18.6454
Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)
Curve type: RF



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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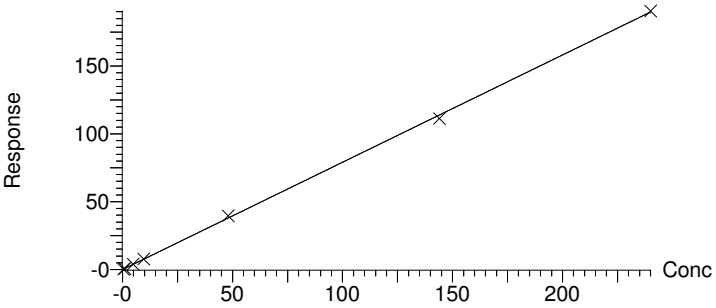
Compound name: PFNS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	10.3...	9956.047	319.109	0.405	84.4	0.668	8489	75	1.10
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	10.3...	9522.711	760.057	1.009	105.1	0.831	1296	15	1.02
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	10.3...	10282.355	4027.416	4.953	103.2	0.816	566	821	1.04
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	10.3...	10281.898	7954.857	9.783	101.9	0.806	766	832	1.05
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	10.3...	9468.931	37466.063	50.031	104.2	0.824	2572	2360	1.08
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	10.3...	8514.261	94744.406	140.704	97.7	0.773	5605	3748	1.07
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	10.3...	7305.929	139222.828	240.955	100.4	0.794	6187	6930	1.15

Compound name: PFNS
Coefficient of Determination: R^2 = 0.999568
Calibration curve: 0.790859 * x
Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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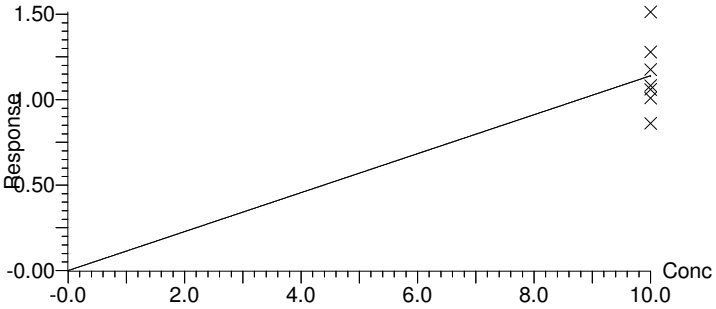
Compound name: d3-NMeFOSAA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	10.7...	51006.328	4394.187	7.557	75.6	0.086	39		1.34
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	10.7...	46106.000	4986.502	9.487	94.9	0.108	107617		1.08
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	10.7...	48397.871	5127.490	9.293	92.9	0.106	182		1.06
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	10.7...	47356.406	4775.593	8.846	88.5	0.101	101929		1.18
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	10.7...	42428.355	4992.172	10.321	103.2	0.118	109559		1.21
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	10.7...	35690.961	4566.663	11.224	112.2	0.128	111		0.94
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	10.7...	33079.742	5004.819	13.272	132.7	0.151	65		1.05

Compound name: d3-NMeFOSAA
Response Factor: 0.114
RRF SD: 0.0210031, % Relative SD: 18.4238
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: RF



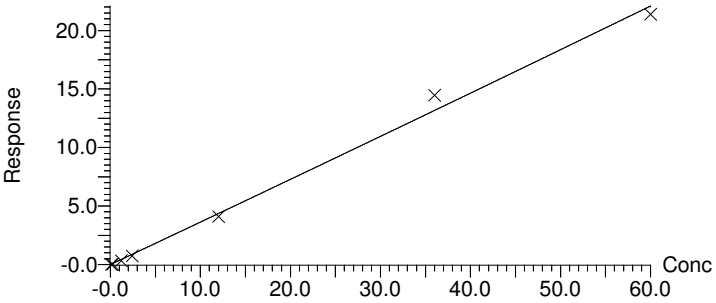
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: br-NMeFOSAA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	10.5...	4394.187	3.872	0.024	20.3	0.073	0		0.99
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	10.5...	4986.502	20.355	0.113	47.0	0.170	0	1	2.09
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	10.5...	5127.490	165.380	0.891	74.2	0.269	11	9	1.43
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	10.5...	4775.593	351.668	2.033	84.7	0.307	17	10	0.42
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	10.5...	4992.172	2049.328	11.304	94.2	0.342	65	328	0.39
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	10.5...	4566.663	6607.151	39.521	109.8	0.402	164	141	0.38
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	10.5...	5004.819	10695.595	58.069	96.8	0.356	273	259	0.39

Compound name: br-NMeFOSAA
Coefficient of Determination: R^2 = 0.993429
Calibration curve: 0.000103924 * x^2 + 0.361986 * x
Response type: Internal Std (Ref 40), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



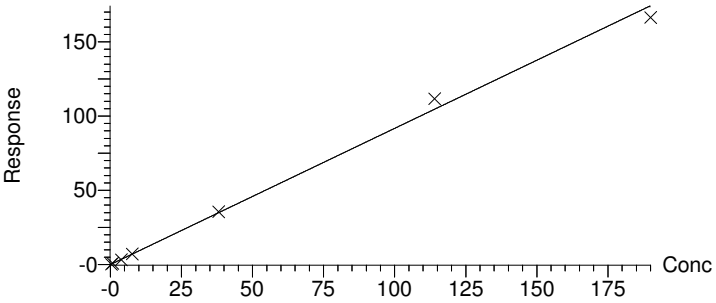
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: L-NMeFOSAA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	10.7...	4394.187	134.635	0.334	87.9	0.806	4	8	1.90
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	10.7...	4986.502	377.426	0.825	108.6	0.996	5	8	1.10
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	10.7...	5127.490	1707.596	3.630	95.5	0.876	109	56	1.15
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	10.7...	4775.593	3436.000	7.843	103.2	0.947	249	58	1.04
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	10.7...	4992.172	17797.270	38.860	102.3	0.938	727	2082	1.11
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	10.7...	4566.663	51010.734	121.758	106.8	0.980	1586	813	1.10
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	10.7...	5004.819	83238.805	181.290	95.4	0.875	2677	1553	1.10

Compound name: L-NMeFOSAA
Coefficient of Determination: R^2 = 0.997174
Calibration curve: 0.91741 * x
Response type: Internal Std (Ref 40), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



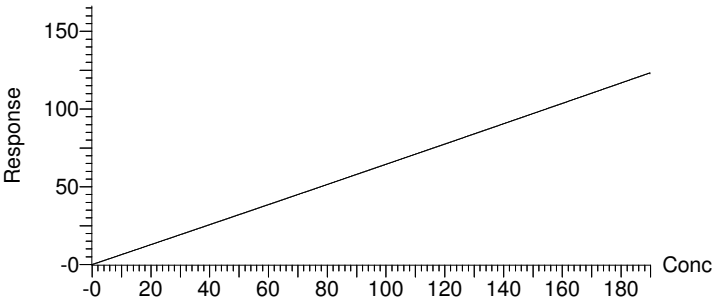
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: NMeFOSAA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30		4394.187	138.507	0.358					
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04		4986.502	397.781	0.938					
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43		5127.490	1872.976	4.521					
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17		4775.593	3787.668	9.876					
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51		4992.172	19846.598	50.164					
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25		4566.663	57617.885	161.279					
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59		5004.819	93934.400	239.359					

Compound name: NMeFOSAA
Coefficient of Determination: 0.000000
Calibration curve: 0.639698 * x
Response type: Internal Std (Ref 40), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



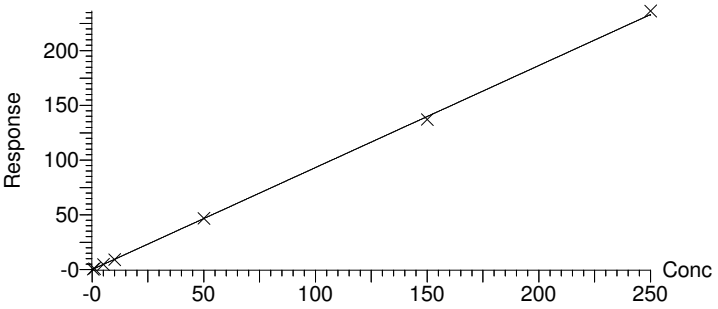
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: PFUnA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	10.8...	48607.387	1928.265	0.425	85.1	0.793	48825	10	1.06
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	10.8...	45160.258	4351.716	1.033	103.3	0.964	266	14518	1.06
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	10.8...	47847.953	21783.457	4.882	97.6	0.911	2544	88985	1.11
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	10.8...	46145.992	41371.027	9.614	96.1	0.897	3211	2075	1.10
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	10.8...	38725.898	180764.313	50.054	100.1	0.934	8206	5302	1.16
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	10.8...	31903.307	437460.125	147.040	98.0	0.914	10723	5034	1.16
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	10.8...	27790.072	656830.063	253.451	101.4	0.945	10455	6636	1.18

Compound name: PFUnA
Coefficient of Determination: R^2 = 0.999699
Calibration curve: 0.932542 * x
Response type: Internal Std (Ref 45), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



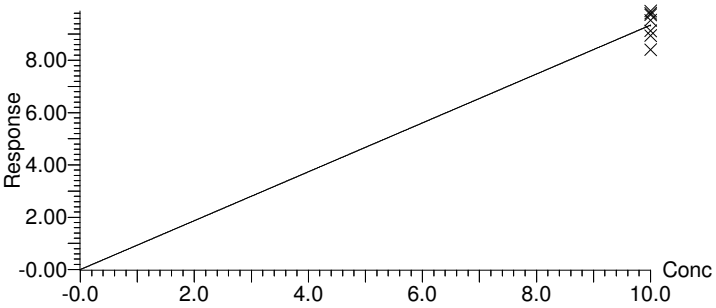
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: M7-PFUDA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	10.8...	51006.328	48607.387	10.196	102.0	0.953	1446		1.06
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	10.8...	46106.000	45160.258	10.480	104.8	0.979	3683		1.01
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	10.8...	48397.871	47847.953	10.578	105.8	0.989	2933		1.10
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	10.8...	47356.406	46145.992	10.426	104.3	0.974	3567		1.07
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	10.8...	42428.355	38725.898	9.766	97.7	0.913	2664		1.09
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	10.8...	35690.961	31903.307	9.564	95.6	0.894	877		1.10
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	10.8...	33079.742	27790.072	8.989	89.9	0.840	3217		1.11

Compound name: M7-PFUDA
Response Factor: 0.934606
RRF SD: 0.0546619, % Relative SD: 5.84866
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: RF



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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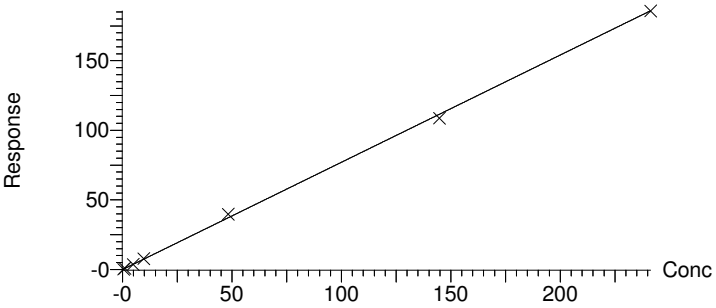
Compound name: PFDS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	10.8...	9956.047	305.243	0.398	82.5	0.635	3	5638	1.23
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	10.8...	9522.711	771.530	1.051	109.0	0.840	10	13309	1.01
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	10.8...	10282.355	3842.082	4.849	100.5	0.774	2220	135	0.97
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	10.8...	10281.898	8037.066	10.144	105.1	0.810	2675	220	0.97
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	10.8...	9468.931	37572.262	51.494	106.7	0.822	7949	4825	1.02
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	10.8...	8514.261	92644.883	141.210	97.6	0.752	5402	3633	1.03
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	10.8...	7305.929	135690.641	241.026	99.9	0.770	6799	4068	1.05

Compound name: PFDS
Coefficient of Determination: R^2 = 0.999191
Calibration curve: 0.770566 * x
Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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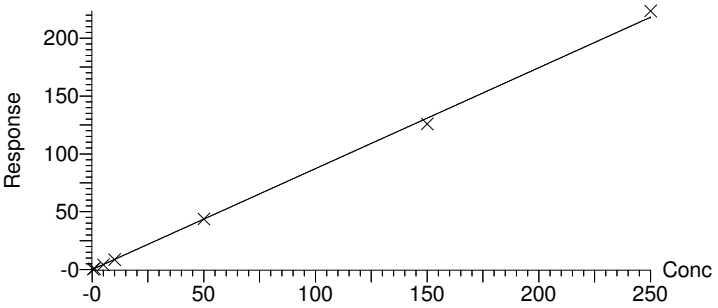
Compound name: FOSA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	10.9...	34203.215	1363.690	0.457	91.4	0.797	34179	2	1.16
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	10.9...	31730.104	3026.682	1.093	109.3	0.954	79260	6	1.01
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	10.9...	34631.027	14408.553	4.768	95.4	0.832	2335	19	1.05
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	10.9...	32912.523	28227.391	9.829	98.3	0.858	1281	7	1.01
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	10.9...	30874.369	134574.875	49.952	99.9	0.872	6399	60	1.05
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	10.9...	28610.605	360122.625	144.249	96.2	0.839	13723	285	1.07
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	10.9...	25313.850	565806.375	256.152	102.5	0.894	15029	270	1.05

Compound name: FOSA
Coefficient of Determination: R^2 = 0.999120
Calibration curve: 0.872593 * x
Response type: Internal Std (Ref 48), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



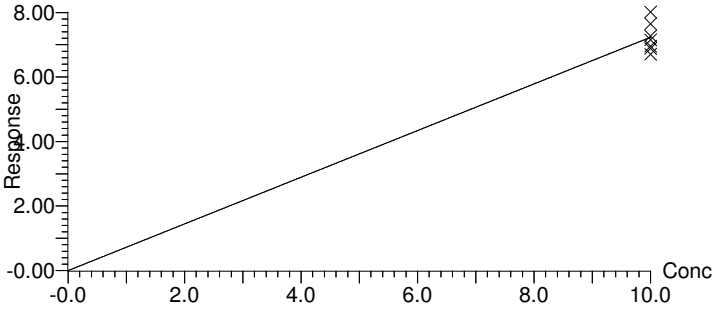
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: M8FOSA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	10.9...	51006.328	34203.215	9.270	92.7	0.671	5075		1.00
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	10.9...	46106.000	31730.104	9.513	95.1	0.688	2168		1.01
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	10.9...	48397.871	34631.027	9.891	98.9	0.716	1852		0.98
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	10.9...	47356.406	32912.523	9.607	96.1	0.695	2548		1.01
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	10.9...	42428.355	30874.369	10.059	100.6	0.728	1804		1.01
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	10.9...	35690.961	28610.605	11.081	110.8	0.802	2456		1.00
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	10.9...	33079.742	25313.850	10.578	105.8	0.765	2340		1.00

Compound name: M8FOSA
Response Factor: 0.723407
RRF SD: 0.0461625, % Relative SD: 6.38126
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: RF



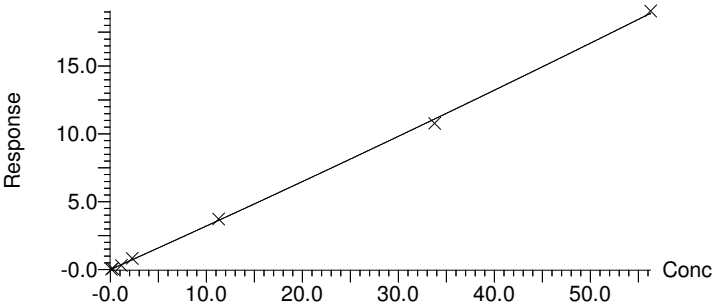
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: br-NEtFOSAA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	10.8...	4154.020	6.791	0.051	45.7	0.145	2		0.17
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	10.8...	3440.620	27.152	0.248	110.2	0.351	19		0.17
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	10.8...	4062.762	120.188	0.929	82.6	0.263	9		0.27
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	10.8...	3912.294	327.548	2.625	116.7	0.372	20	1274	0.34
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	10.8...	3847.540	1434.383	11.587	103.0	0.331	41	3	0.31
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	10.8...	3950.736	4255.932	32.795	97.2	0.319	83	58	0.32
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	10.8...	3716.854	7086.039	56.727	100.8	0.339	226	33	0.29

Compound name: br-NEtFOSAA
Coefficient of Determination: R^2 = 0.998388
Calibration curve: 0.000317368 * x^2 + 0.318072 * x
Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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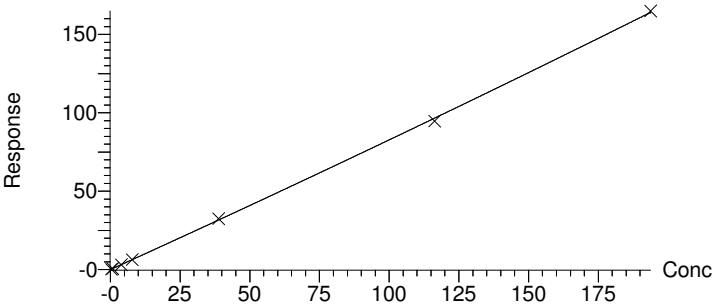
Compound name: L-NEtFOSAA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	11.008	4154.020	98.315	0.293	75.7	0.611	25	519	1.33
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	11.012	3440.620	216.333	0.779	100.5	0.811	107	957	0.80
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	11.008	4062.762	1280.942	3.904	100.8	0.814	137	3	1.10
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	11.008	3912.294	2503.167	7.915	102.1	0.826	248	22839	1.14
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	11.008	3847.540	12451.904	39.710	102.5	0.835	544	25	1.08
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	11.005	3950.736	37454.559	114.170	98.2	0.816	1186	345	1.09
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	11.012	3716.854	61318.973	194.767	100.5	0.851	3232	258	1.14

Compound name: L-NEtFOSAA
Coefficient of Determination: R^2 = 0.999737
Calibration curve: 0.000206731 * x^2 + 0.806774 * x
Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



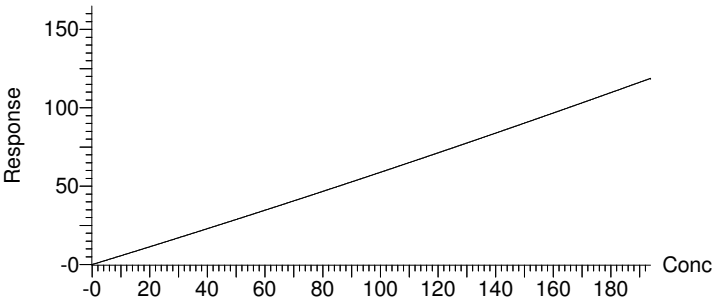
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: NEtFOSAA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30		4154.020	105.106	0.345					
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04		3440.620	243.485	1.027					
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43		4062.762	1401.130	4.833					
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17		3912.294	2830.715	10.540					
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51		3847.540	13886.287	51.297					
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25		3950.736	41710.491	146.965					
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59		3716.854	68405.012	251.495					

Compound name: NEtFOSAA
Coefficient of Determination: 0.000000
Calibration curve: 0.562423 * x
Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



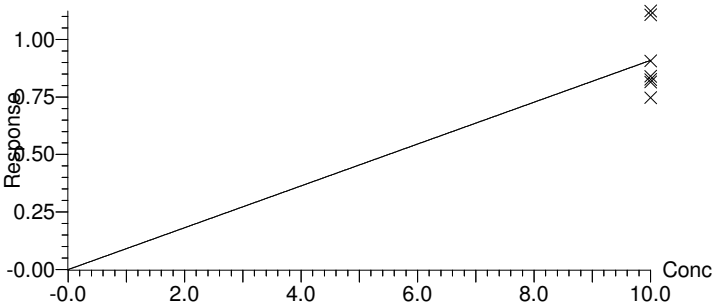
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: d5-NEtFOSAA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	11.001	51006.328	4154.020	8.959	89.6	0.081	814		1.20
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	11.000	46106.000	3440.620	8.209	82.1	0.075	119		1.13
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	10.9...	48397.871	4062.762	9.234	92.3	0.084	371		1.35
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	11.000	47356.406	3912.294	9.088	90.9	0.083	235		1.02
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	10.9...	42428.355	3847.540	9.975	99.8	0.091	195		1.20
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	10.9...	35690.961	3950.736	12.176	121.8	0.111	557		1.12
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	11.005	33079.742	3716.854	12.360	123.6	0.112	382		1.16

Compound name: d5-NEtFOSAA
Response Factor: 0.0909087
RRF SD: 0.0148535, % Relative SD: 16.3389
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: RF



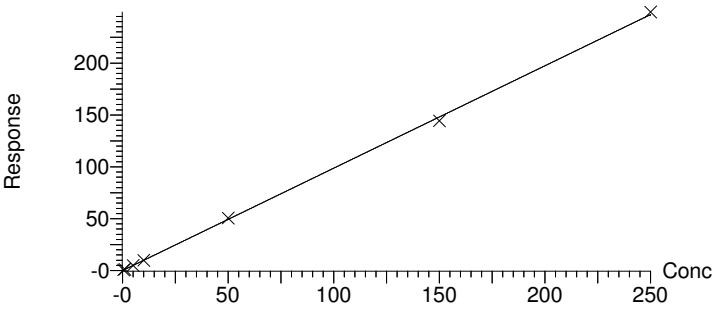
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: PFDoA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	11.274	51268.633	2423.501	0.479	95.8	0.945	115	22	1.07
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	11.274	46818.598	5169.312	1.118	111.8	1.104	390	7861	1.09
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	11.279	50257.023	24719.941	4.983	99.7	0.984	1350	188	0.94
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	11.274	48958.059	48307.762	9.996	100.0	0.987	2752	307	1.05
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	11.279	44026.223	222537.625	51.205	102.4	1.011	2436	1209	0.96
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	11.275	40388.801	582865.563	146.192	97.5	0.962	14702	3168	1.01
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	11.284	35951.352	896202.813	252.527	101.0	0.997	25642	3021	1.03

Compound name: PFDoA
Coefficient of Determination: R^2 = 0.999632
Calibration curve: 0.987149 * x
Response type: Internal Std (Ref 54), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



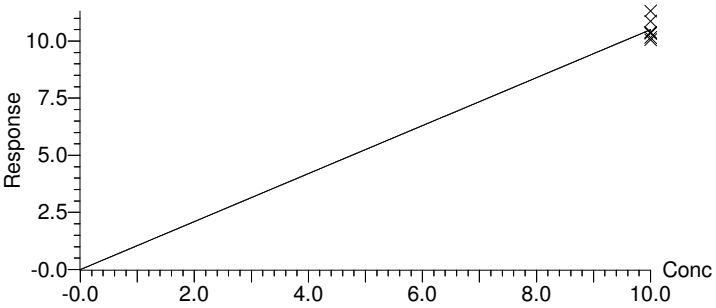
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: MPFDOA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	11.275	51006.328	51268.633	9.574	95.7	1.005	5803		0.97
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	11.279	46106.000	46818.598	9.672	96.7	1.015	4152		0.91
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	11.279	48397.871	50257.023	9.891	98.9	1.038	3262		0.93
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	11.279	47356.406	48958.059	9.847	98.5	1.034	2713		0.89
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	11.279	42428.355	44026.223	9.884	98.8	1.038	3712		0.93
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	11.275	35690.961	40388.801	10.779	107.8	1.132	2041		0.99
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	11.284	33079.742	35951.352	10.352	103.5	1.087	2027		0.95

Compound name: MPFDOA
Response Factor: 1.04985
RRF SD: 0.0442929, % Relative SD: 4.21899
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: RF



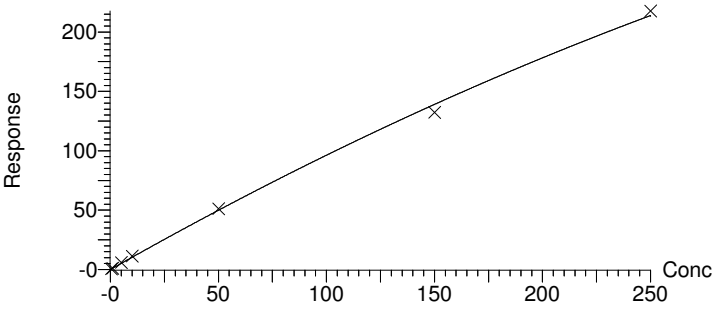
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: PFTrDA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	11.673	51268.633	2837.580	0.535	107.1	1.107	227	20	0.96
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	11.673	46818.598	5334.757	1.103	110.3	1.139	776	76	1.07
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	11.673	50257.023	29169.336	5.634	112.7	1.161	1434	269	1.12
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	11.673	48958.059	54943.313	10.935	109.3	1.122	1746	639	1.11
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	11.678	44026.223	225593.031	51.375	102.7	1.025	5202	1561	1.04
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	11.673	40388.801	533731.250	141.664	94.4	0.881	8059	1820	1.08
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	11.682	35951.352	782490.250	255.669	102.3	0.871	20138	2668	1.11

Compound name: PFTrDA
Coefficient of Determination: R^2 = 0.998355
Calibration curve: -0.000715072 * x^2 + 1.03413 * x
Response type: Internal Std (Ref 54), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



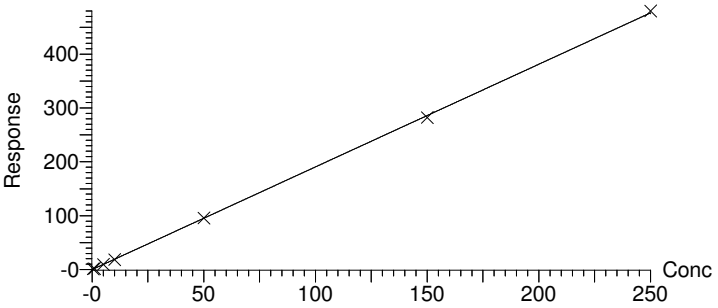
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: PFTA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	12.0...	24214.688	2452.901	0.531	106.3	2.026	517	397	1.03
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	12.0...	22414.090	4502.278	1.054	105.4	2.009	1147	570	1.02
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	12.0...	24376.859	22970.064	4.942	98.8	1.885	4618	717	1.03
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	12.0...	23654.504	44157.320	9.791	97.9	1.867	3618	3727	1.06
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	12.0...	21919.285	210311.219	50.324	100.6	1.919	21144	3745	0.96
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	12.0...	20314.195	573340.875	148.032	98.7	1.882	28005	2888	1.00
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	12.0...	18492.385	887875.938	251.826	100.7	1.921	71150	16260	1.06

Compound name: PFTA
Coefficient of Determination: R^2 = 0.999887
Calibration curve: 1.9066 * x
Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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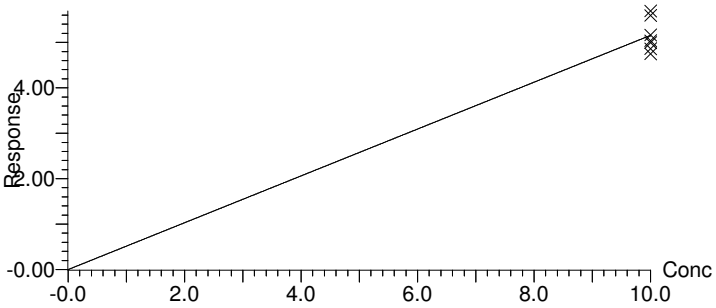
Compound name: M2PFTEDA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	12.0...	51006.328	24214.688	9.208	92.1	0.475	11417		1.01
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	12.0...	46106.000	22414.090	9.430	94.3	0.486	7915		1.02
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	12.0...	48397.871	24376.859	9.770	97.7	0.504	6285		1.02
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	12.0...	47356.406	23654.504	9.689	96.9	0.499	8288		1.05
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	12.0...	42428.355	21919.285	10.021	100.2	0.517	5096		1.05
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	12.0...	35690.961	20314.195	11.040	110.4	0.569	5089		0.99
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	12.0...	33079.742	18492.385	10.843	108.4	0.559	4947		1.05

Compound name: M2PFTEDA
Response Factor: 0.515553
RRF SD: 0.0358123, % Relative SD: 6.94639
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: RF



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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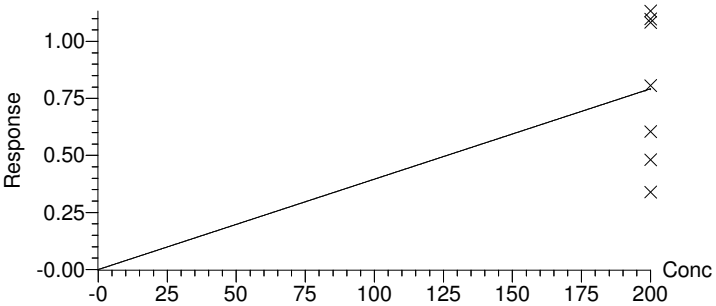
Compound name: M3HFPO-DA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	7.155	69847.859	7671.715	277.261	138.6	0.005	896		0.95
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	7.155	63009.621	7139.961	286.047	143.0	0.006	22		1.03
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	7.155	66413.383	7185.803	273.129	136.6	0.005	815		1.00
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	7.143	66536.914	5368.599	203.679	101.8	0.004	246		1.36
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	7.155	62298.621	3769.756	152.751	76.4	0.003	401		1.01
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	7.140	56034.859	2699.108	121.594	60.8	0.002	10		1.17
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	7.136	53029.133	1796.932	85.539	42.8	0.002	128		1.34

Compound name: M3HFPO-DA
Response Factor: 0.00396142
RRF SD: 0.00162161, % Relative SD: 40.9349
Response type: Internal Std (Ref 21), Area * (IS Conc. / IS Area)
Curve type: RF



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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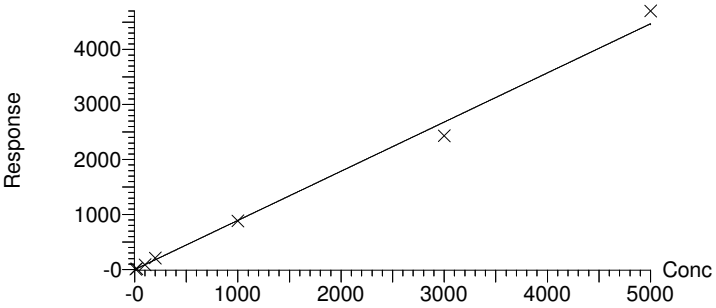
Compound name: HFPO-DA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	7.150	7671.715	252.401	7.362	73.6	0.658	27	3	1.04
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	7.158	7139.961	724.018	22.690	113.4	1.014	15	1126	0.90
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	7.154	7185.803	3183.054	99.117	99.1	0.886	228	76	1.06
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	7.147	5368.599	5619.982	234.236	117.1	1.047	234	693	1.24
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	7.150	3769.756	16628.938	987.033	98.7	0.882	1071	5443	1.20
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	7.132	2699.108	32814.195	2720.331	90.7	0.810	168	17678	1.64
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	7.132	1796.932	42235.102	5259.231	105.2	0.940	924	14064	1.59

Compound name: HFPO-DA
Coefficient of Determination: R^2 = 0.994870
Calibration curve: 0.893819 * x
Response type: Internal Std (Ref 58), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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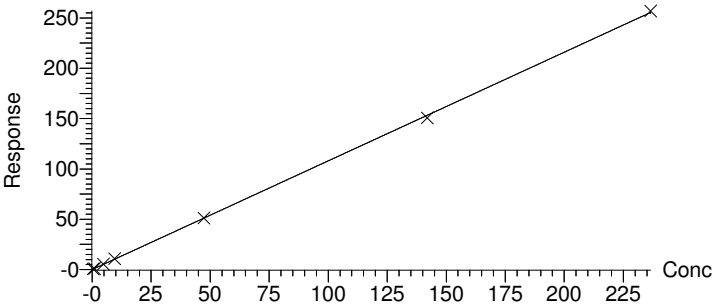
Compound name: ADONA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	8.166	75887.242	3956.388	0.483	102.0	1.102	1451		1.08
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	8.169	70624.547	7587.042	0.995	105.1	1.135	2143		1.02
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	8.169	74040.234	39643.102	4.958	104.8	1.132	5061		1.04
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	8.172	72234.883	77260.813	9.905	104.7	1.130	11186		1.01
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	8.175	68120.125	349456.938	47.506	100.4	1.084	23601		1.03
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	8.172	62624.855	944253.188	139.628	98.4	1.062	38783		1.04
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	8.175	56612.469	1454534.500	237.927	100.6	1.086	36650		1.04

Compound name: ADONA
Coefficient of Determination: R^2 = 0.999811
Calibration curve: 1.07986 * x
Response type: Internal Std (Ref 23), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



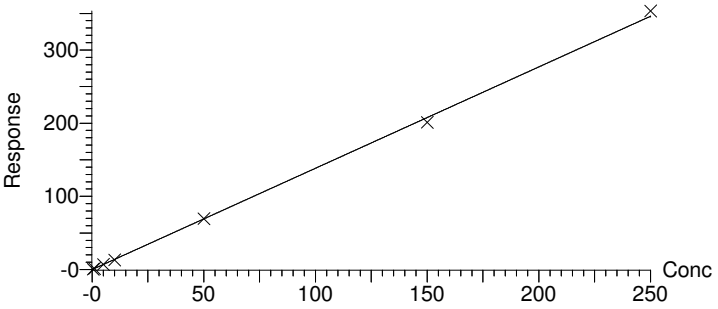
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: PFHxDA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	12.5...	14097.132	879.567	0.451	90.1	1.248	169		1.05
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	12.5...	13537.576	2030.222	1.083	108.3	1.500	433		1.11
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	12.5...	14370.891	9841.389	4.946	98.9	1.370	1695		1.02
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	12.5...	14662.444	19070.639	9.393	93.9	1.301	4041		1.06
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	12.5...	13336.966	92701.383	50.199	100.4	1.390	21241		1.08
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	12.5...	12420.447	249815.344	145.260	96.8	1.341	20994		1.11
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	12.5...	11252.381	397564.313	255.168	102.1	1.413	35658		1.07

Compound name: PFHxDA
Coefficient of Determination: R^2 = 0.999322
Calibration curve: 1.38464 * x
Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



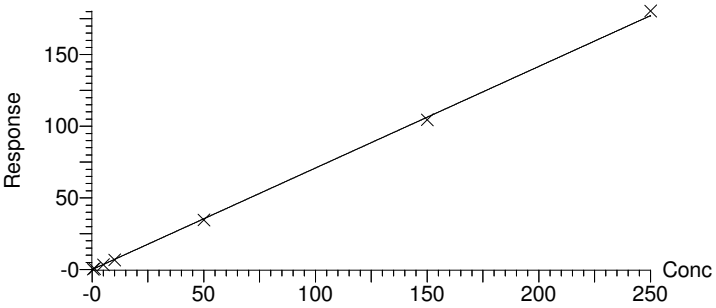
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: PFODA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	12.7...	14097.132	333.755	0.334	66.8	0.474	118		1.21
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	12.7...	13537.576	954.242	0.994	99.4	0.705	328		1.06
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	12.7...	14370.891	4839.629	4.750	95.0	0.674	1093		1.12
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	12.7...	14662.444	9801.008	9.429	94.3	0.668	2482		1.13
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	12.7...	13336.966	46307.680	48.976	98.0	0.694	8872		1.17
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	12.7...	12420.447	129850.047	147.465	98.3	0.697	20569		1.16
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	12.7...	11252.381	203065.891	254.552	101.8	0.722	32095		1.14

Compound name: PFODA
Coefficient of Determination: R^2 = 0.999456
Calibration curve: 0.70895 * x
Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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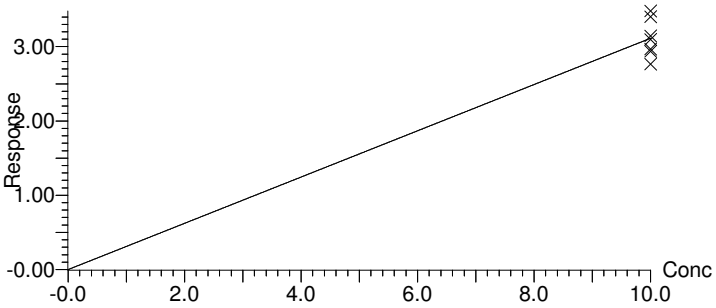
Compound name: M2PFHxDA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	12.5...	51006.328	14097.132	8.878	88.8	0.276	5941		1.12
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	12.5...	46106.000	13537.576	9.432	94.3	0.294	5146		1.06
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	12.5...	48397.871	14370.891	9.539	95.4	0.297	5106		1.01
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	12.5...	47356.406	14662.444	9.946	99.5	0.310	7116		1.04
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	12.5...	42428.355	13336.966	10.098	101.0	0.314	4168		1.08
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	12.5...	35690.961	12420.447	11.179	111.8	0.348	7046		1.11
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	12.5...	33079.742	11252.381	10.927	109.3	0.340	3266		1.07

Compound name: M2PFHxDA
Response Factor: 0.311293
RRF SD: 0.0255939, % Relative SD: 8.22179
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: RF



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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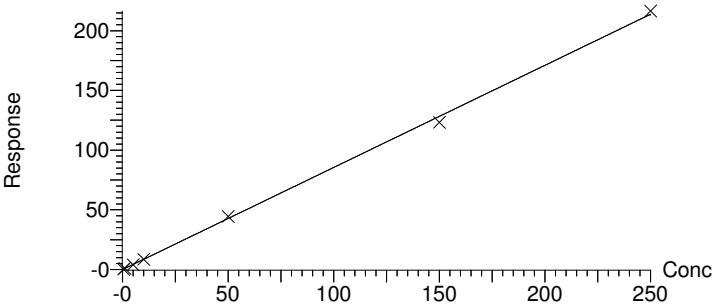
Compound name: PFDoS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	11.669	9956.047	243.712	0.286	57.3	0.490	110		1.00
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	11.665	9522.711	913.702	1.122	112.2	0.959	14463		1.03
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	11.669	10282.355	4007.323	4.558	91.2	0.779	63720		0.99
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	11.669	10281.898	8758.374	9.962	99.6	0.852	139921		0.97
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	11.669	9468.931	42093.629	51.988	104.0	0.889	2094		1.01
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	11.665	8514.261	104880.820	144.059	96.0	0.821	4046		1.03
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	11.673	7305.929	158164.203	253.177	101.3	0.866	10238		1.03

Compound name: PFDoS
Coefficient of Determination: R^2 = 0.999126
Calibration curve: 0.855083 * x
Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: Null, Axis trans: None



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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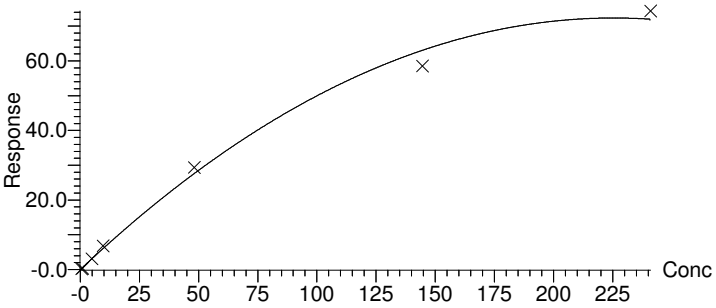
Compound name: 10:2FTS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	11.284	2645.827	49.737	0.293	60.8	0.390	962		0.96
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	11.288	2360.347	87.963	0.581	60.3	0.387	1566		0.89
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	11.284	2603.435	818.590	4.952	102.7	0.652	14208		0.87
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	11.284	2442.177	1660.211	10.850	112.6	0.705	755		0.84
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	11.284	2471.001	7260.729	51.700	107.3	0.610	659		0.93
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	11.280	3100.220	18130.264	126.719	87.6	0.404	1928		0.95
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	11.294	3750.588	27886.934			0.309	1835		0.85

Compound name: 10:2FTS
Coefficient of Determination: R^2 = 0.994390
Calibration curve: -0.00142435 * x^2 + 0.64199 * x
Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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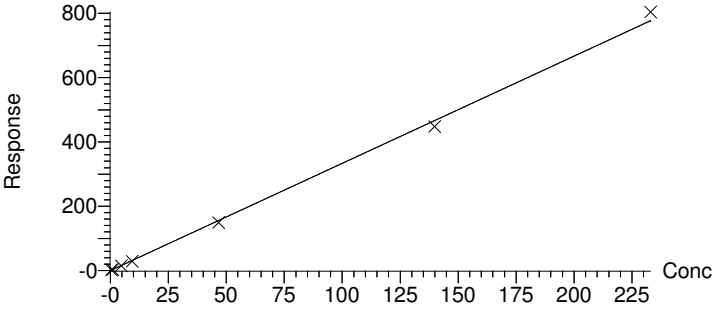
Compound name: 9CL-PF3ONS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	10.0...	9956.047	1488.487	0.448	96.2	3.208	144		1.05
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	10.0...	9522.711	2916.349	0.918	98.5	3.286	405		0.98
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	10.0...	10282.355	15102.245	4.404	94.5	3.152	831		1.00
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	10.0...	10281.898	29379.854	8.568	91.9	3.066	3363		1.07
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	10.0...	9468.931	141680.109	44.865	96.3	3.211	7321		0.99
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	10.0...	8514.261	381718.250	134.429	96.2	3.207	26799		1.04
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	10.0...	7305.929	587571.000	241.146	103.5	3.452	34522		1.04

Compound name: 9CL-PF3ONS
Coefficient of Determination: R^2 = 0.998506
Calibration curve: 3.33506 * x
Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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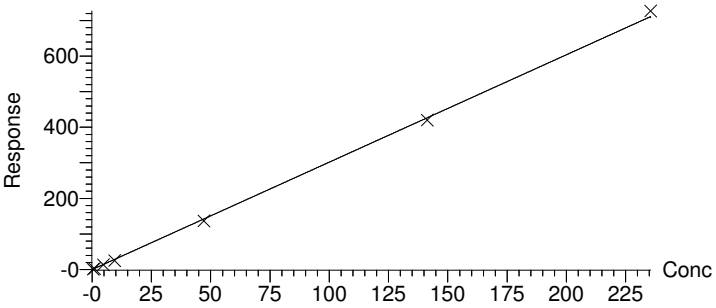
Compound name: 11CL-PFOUdS

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	11.088	9956.047	1101.275	0.366	77.8	2.348	18123		1.10
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	11.088	9522.711	2641.174	0.919	97.5	2.944	43747		1.16
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	11.088	10282.355	14240.591	4.587	97.4	2.940	4621		1.15
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	11.088	10281.898	26155.057	8.426	89.4	2.700	955		1.11
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	11.088	9468.931	129692.742	45.367	96.3	2.908	11771		1.14
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	11.085	8514.261	357390.063	139.033	98.4	2.971	20785		1.16
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	11.092	7305.929	531020.813	240.745	102.2	3.086	11998		1.22

Compound name: 11CL-PFOUdS
Coefficient of Determination: R^2 = 0.999184
Calibration curve: 3.0191 * x
Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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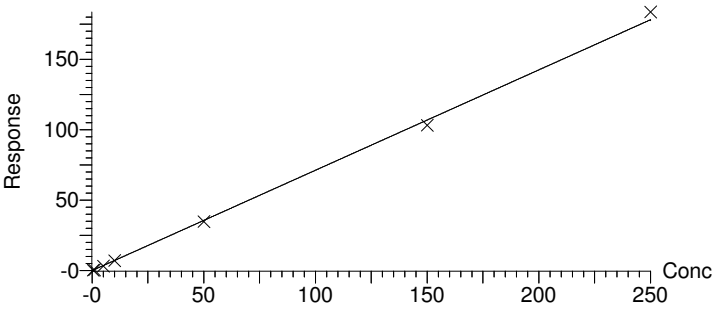
Compound name: NMeFOSA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	11.561	53304.938	76.821	0.222	44.5	0.317	5	422	0.94
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	11.561	50617.336	227.336	0.693	69.3	0.494	26	20	1.02
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	11.561	53829.727	1574.937	4.516	90.3	0.644	140	13628	0.98
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	11.556	53170.625	3406.058	9.888	98.9	0.705	779	30962	0.97
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	11.556	52065.801	16408.238	48.643	97.3	0.693	644	677	0.99
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	11.552	50305.254	47214.273	144.867	96.6	0.688	1829	3602	1.01
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	11.561	47724.113	79669.805	257.671	103.1	0.735	3055	1576	0.99

Compound name: NMeFOSA
Coefficient of Determination: R^2 = 0.998370
Calibration curve: 0.712661 * x
Response type: Internal Std (Ref 69), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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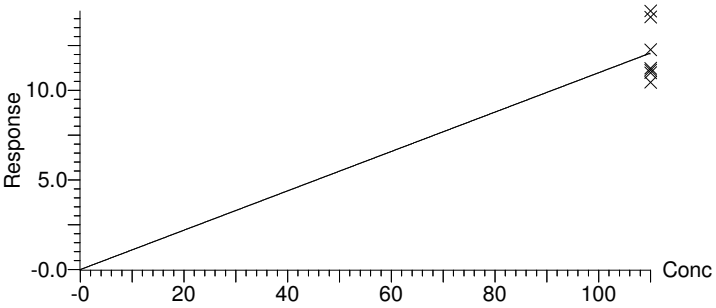
Compound name: d3-NMeFOSA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	11.552	51006.328	53304.938	95.149	86.5	0.095	1968		0.99
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	11.552	46106.000	50617.336	99.955	90.9	0.100	2999		0.98
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	11.552	48397.871	53829.727	101.265	92.1	0.101	1988		0.96
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	11.548	47356.406	53170.625	102.225	92.9	0.102	1293		1.01
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	11.548	42428.355	52065.801	111.727	101.6	0.112	2973		1.03
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	11.543	35690.961	50305.254	128.327	116.7	0.128	4126		1.05
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	11.552	33079.742	47724.113	131.352	119.4	0.131	6758		1.00

Compound name: d3-NMeFOSA
Response Factor: 0.109834
RRF SD: 0.0144292, % Relative SD: 13.1373
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: RF



all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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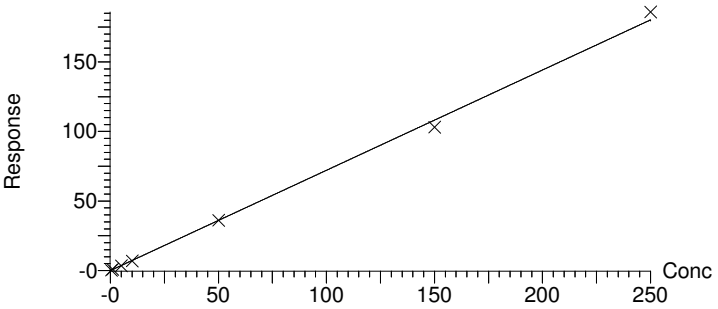
Compound name: NEtFOSA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	11.856	67019.664	149.420	0.340	68.0	0.490	18	230	1.09
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	11.860	63041.063	467.602	1.132	113.2	0.816	13	11	0.99
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	11.856	65198.004	1982.705	4.640	92.8	0.669	222	8311	1.04
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	11.856	63402.086	4011.365	9.654	96.5	0.696	380	186	1.02
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	11.856	63511.059	20795.461	49.960	99.9	0.720	1186	1246	1.06
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	11.851	62862.969	58883.832	142.925	95.3	0.687	6901	2199	1.01
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	11.860	57579.250	97302.570	257.849	103.1	0.744	7879	1386	1.03

Compound name: NEtFOSA
Coefficient of Determination: R^2 = 0.998487
Calibration curve: 0.720918 * x
Response type: Internal Std (Ref 71), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



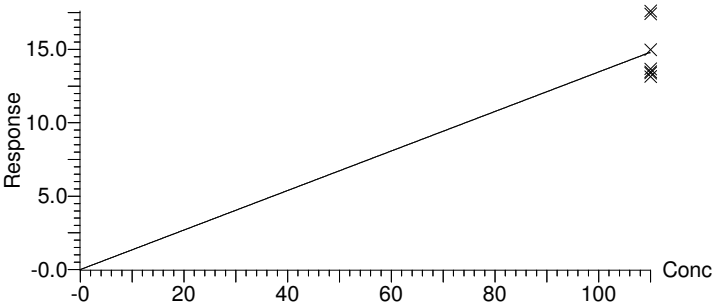
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: d5-NEtFOSA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	11.847	51006.328	67019.664	97.601	88.7	0.119	8561		0.97
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	11.847	46106.000	63041.063	101.565	92.3	0.124	1267		0.99
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	11.847	48397.871	65198.004	100.066	91.0	0.122	7529		0.97
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	11.843	47356.406	63402.086	99.449	90.4	0.122	2771		1.02
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	11.847	42428.355	63511.059	111.191	101.1	0.136	3493		0.96
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	11.839	35690.961	62862.969	130.832	118.9	0.160	4872		1.01
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	11.848	33079.742	57579.250	129.295	117.5	0.158	2439		1.02

Compound name: d5-NEtFOSA
Response Factor: 0.134624
RRF SD: 0.0176122, % Relative SD: 13.0825
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: RF



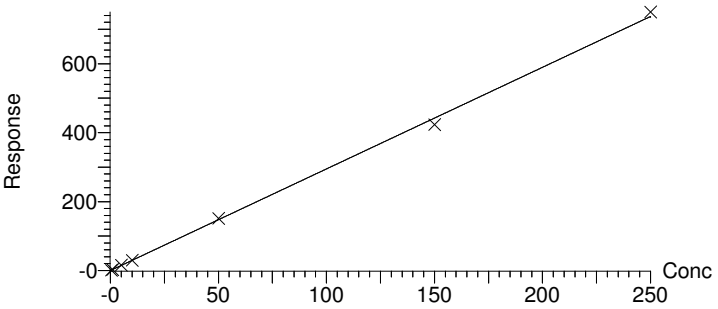
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: NMeFOSE

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	11.558	33285.082	279.444	0.313	62.6	1.847	4359		1.00
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	11.562	31125.836	845.071	1.013	101.3	2.987	109		1.02
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	11.562	32403.535	4753.509	5.473	109.5	3.227	395		0.96
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	11.558	32555.098	8897.979	10.198	102.0	3.007	744		1.01
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	11.558	32223.236	44420.320	51.432	102.9	3.033	1321		1.02
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	11.558	30666.521	118090.375	143.673	95.8	2.824	5663		0.95
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	11.562	27375.037	186657.031	254.398	101.8	3.000	6544		1.01

Compound name: NMeFOSE
Coefficient of Determination: R^2 = 0.998888
Calibration curve: 2.94828 * x
Response type: Internal Std (Ref 73), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



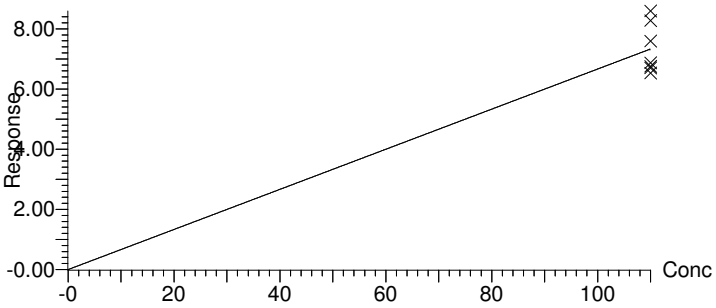
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: d7-NMeFOSE

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	11.545	51006.328	33285.082	97.932	89.0	0.059	1828		1.05
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	11.545	46106.000	31125.836	101.312	92.1	0.061	1269		1.03
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	11.545	48397.871	32403.535	100.477	91.3	0.061	1426		1.02
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	11.540	47356.406	32555.098	103.167	93.8	0.062	2490		1.08
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	11.540	42428.355	32223.236	113.976	103.6	0.069	1918		1.08
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	11.536	35690.961	30666.521	128.945	117.2	0.078	913		1.11
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	11.545	33079.742	27375.037	124.191	112.9	0.075	1523		1.05

Compound name: d7-NMeFOSE
Response Factor: 0.0666348
RRF SD: 0.00756051, % Relative SD: 11.3462
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: RF



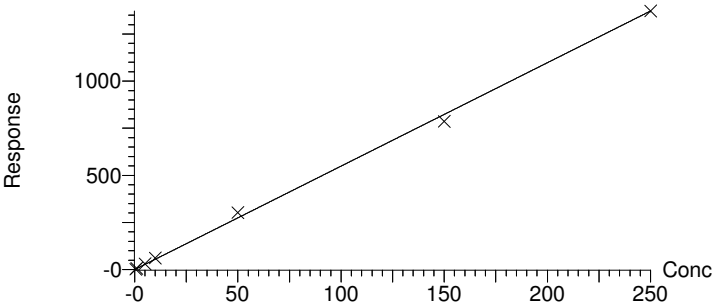
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: NEtFOSE

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	11.841	18170.990	306.180	0.338	67.5	3.707	5222		1.09
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	11.849	17398.840	948.509	1.093	109.3	5.997	15808		0.98
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	11.845	18420.014	5171.146	5.626	112.5	6.176	343		1.01
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	11.845	17572.002	9854.252	11.239	112.4	6.169	726		1.00
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	11.845	18403.988	50619.813	55.122	110.2	6.051	4387		1.02
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	11.841	19062.928	136152.641	143.138	95.4	5.238	6120		0.98
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	11.849	17544.461	218810.094	249.945	100.0	5.488	3766		0.98

Compound name: NEtFOSE
Coefficient of Determination: R^2 = 0.997499
Calibration curve: 5.48877 * x
Response type: Internal Std (Ref 75), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



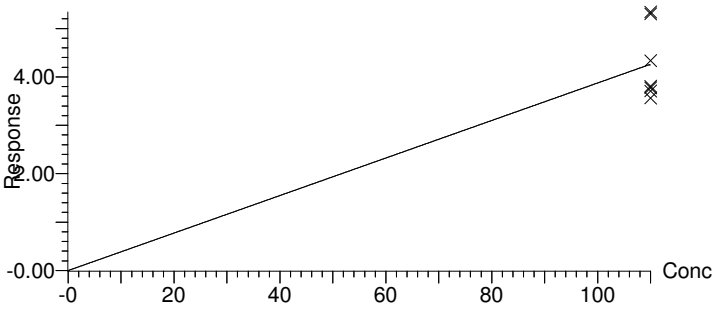
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: d9-NEtFOSE

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	11.829	51006.328	18170.990	91.943	83.6	0.032	1116		0.93
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	11.829	46106.000	17398.840	97.392	88.5	0.034	894		0.94
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	11.825	48397.871	18420.014	98.226	89.3	0.035	1186		1.01
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	11.825	47356.406	17572.002	95.765	87.1	0.034	1066		0.98
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	11.825	42428.355	18403.988	111.948	101.8	0.039	1632		1.00
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	11.821	35690.961	19062.928	137.846	125.3	0.049	2322		0.97
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	11.829	33079.742	17544.461	136.880	124.4	0.048	682		0.96

Compound name: d9-NEtFOSE
Response Factor: 0.038747
RRF SD: 0.00693846, % Relative SD: 17.9071
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: RF



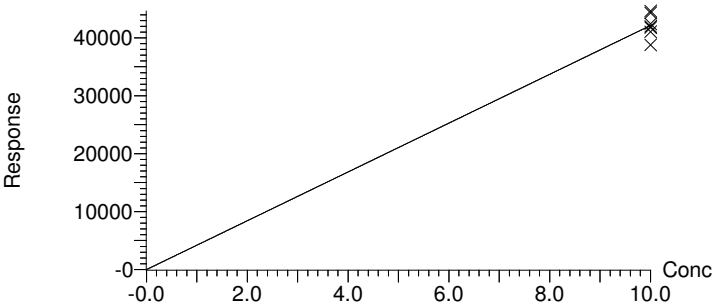
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: M3PFPeA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	4.864		44639.566	10.593	105.9	4463.957	6784		1.43
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	4.864		41042.539	9.739	97.4	4104.254	5222		1.66
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	4.870		42443.152	10.072	100.7	4244.315	5891		1.22
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	4.870		44314.113	10.516	105.2	4431.411	3668		1.46
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	4.864		41757.738	9.909	99.1	4175.774	7405		1.48
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	4.867		41996.758	9.966	99.7	4199.676	8715		1.50
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	4.861		38788.695	9.205	92.0	3878.869	450		0.80

Compound name: M3PFPeA
Response Factor: 4214.04
RRF SD: 198.615, % Relative SD: 4.71318
Response type: External Std, Area
Curve type: RF



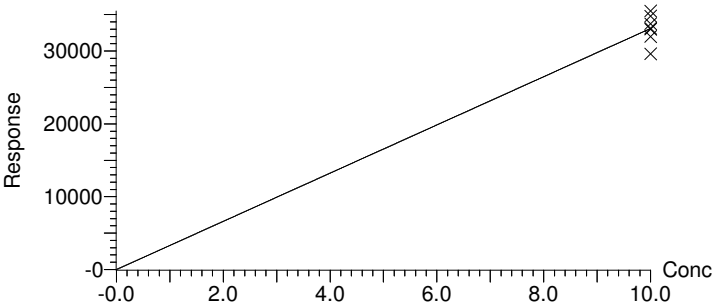
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: M2PFHxA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	6.725		35501.004	10.725	107.3	3550.100	6729		1.79
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	6.725		32976.156	9.963	99.6	3297.616	4436		2.49
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	6.729		33734.836	10.192	101.9	3373.484	4957		2.32
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	6.725		34811.133	10.517	105.2	3481.113	3872		1.88
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	6.725		33109.289	10.003	100.0	3310.929	2422		1.75
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	6.721		31966.926	9.658	96.6	3196.693	2424		1.33
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	6.721		29601.246	8.943	89.4	2960.125	2073		2.53

Compound name: M2PFHxA
Response Factor: 3310.01
RRF SD: 194.235, % Relative SD: 5.86812
Response type: External Std, Area
Curve type: RF



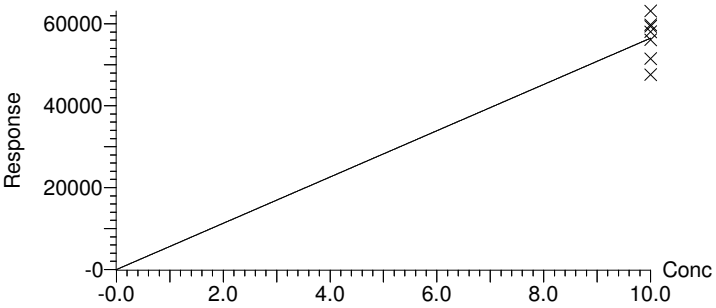
all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:33:48 Eastern Daylight Time

Compound name: M4PFOA

	Name	ID	Acq.Date	Acq.Time	RT	IS Area	Area	Conc (ng...	%Rec	RRF	1º S/N	2º S/N	(b/a)
1	I31176	IA2-537STD0.5	27-Oct-20	17:40:30	8.927		63144.004	11.174	111.7	6314.400	5819		1.80
2	I31177	IA2-537STD1.0	27-Oct-20	17:57:04	8.926		58029.164	10.269	102.7	5802.916	3405		2.54
3	I31178	IA2-537STD5.0	27-Oct-20	18:13:43	8.927		59398.582	10.511	105.1	5939.858	2668		2.31
4	I31179	IA2-537STD10.0	27-Oct-20	18:30:17	8.931		59770.113	10.577	105.8	5977.011	7881		1.80
5	I31180	IA2-537STD50.0	27-Oct-20	18:46:51	8.927		56087.523	9.925	99.3	5608.752	2804		1.41
6	I31181	IA2-537STD150.0	27-Oct-20	19:03:25	8.931		51512.473	9.116	91.2	5151.247	4275		1.52
7	I31182	IA2-537STD250.0	27-Oct-20	19:19:59	8.931		47622.293	8.427	84.3	4762.229	3183		2.32

Compound name: M4PFOA
Response Factor: 5650.92
RRF SD: 531.406, % Relative SD: 9.40389
Response type: External Std, Area
Curve type: RF



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:15:17 Eastern Daylight Time

Method: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\MethDB\537ISO_Q_201027_TOP.mdb 15 Sep 2020 15:13:47
Calibration: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\CurveDB\201027_ISO_ICAL.cdb 28 Oct 2020 10:14:48

ID: IA2-537STD0.5
Name: I31176
Date: 27-Oct-2020
Time: 17:40:30
Description: WG1427117,,537_200915_1
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:JW
Inlet Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\200520_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4	2.00	212.926 > 169.111	1332		0.475		na	95.0
2	M3PFBA	INT STD	2.00	215.926 > 172.122	30867		10.510		na	105.1
3	MPFBA	INT STD	2.00	216.926 > 172.137	36630		9.815		na	98.1
4	PFPeA	2706-90-3	4.85	262.926 > 219.002	1751		0.504		na	100.7
5	M5PFPEA	INT STD	4.85	267.989 > 223.081	48583		10.110		na	101.1
6	PFBS	375-73-5	5.50	298.926 > 79.923	430		0.425	1.94	NO	96.0
7	M3PFBS	INT STD	5.50	301.989 > 80.254	9584		9.507		na	95.1
8	4:2FTS	757124-72-4	6.66	326.926 > 306.957	97	M7	0.456	2.87	NO	97.6
9	M2-4:2FTS	INT STD	6.65	329.117 > 309.079	3398		9.198		na	92.0
10	PFHxA	307-24-4	6.72	312.989 > 269.028	2131	M7	0.531	15.71	NO	106.3
11	M5PFHxA	INT STD	6.73	317.989 > 273.045	43979		9.694		na	96.9
12	PFPeS	2706-91-4	7.05	348.926 > 80.251	342		0.396	2.21	NO	84.2
13	PFHpA	375-85-9	7.99	362.926 > 319.014	2684		0.494	5.73	NO	98.7
14	M4PFHpA	INT STD	7.99	366.926 > 321.979	56301		9.890		na	98.9
15	br-PFHxS	355-46-4	7.86	398.926 > 80.295	40	M5,M7	0.056	1.50	NO	65.3
16	L-PFHxS	355-46-4	8.15	398.926 > 80.295	348		0.372	1.55	NO	100.5
17	PFHxS	355-46-4		398.926 > 80.295	388		0.427		na	
18	M3PFHxS	INT STD	8.15	401.926 > 80.317	8998		10.085		na	100.9
19	br-PFOA	335-67-1		412.989 > 368.9			ND		YES	
20	L-PFOA	335-67-1	8.93	412.989 > 368.9	3446		0.543	8.20	YES	108.7
21	M2PFOA	INT STD	8.93	415.032 > 369.968	69848		11.184		na	111.8
22	PFOA	335-67-1		412.989 > 368.9	3446		0.543		na	
23	M8PFOA	INT STD	8.93	420.989 > 375.979	75887		9.894		na	98.9
24	6:2FTS	27619-97-2	8.88	427.161 > 407.155	124	M7	0.429	133.24	YES	90.3
25	M2-6:2FTS	INT STD	8.88	429.146 > 409.14	3597		8.914		na	89.1
26	PFHpS	375-92-8	9.02	448.926 > 80.257	286		0.411	1.11	NO	86.6
27	PFNA	375-95-1	9.68	462.989 > 418.931	2639		0.477	3.27	NO	95.4
28	M9PFNA	INT STD	9.68	472.053 > 426.947	29634		10.089		na	100.9
29	br-PFOS	1763-23-1	9.54	498.989 > 80.294	89	m5,m7	0.083	4.98	YES	82.7
30	L-PFOS	1763-23-1	9.73	498.989 > 80.294	368	m7	0.406	1.65	NO	111.1
31	PFOS	1763-23-1		498.989 > 80.294	457		0.488		na	
32	M4PFOS	INT STD	9.73	503.032 > 80.306	8238		11.026		na	110.3
33	M8PFOS	INT STD	9.73	507.053 > 80.294	9956		9.674		na	96.7
34	PFDA	335-76-2	10.29	513.053 > 468.906	2139	m7	0.456	4.38	NO	91.2
35	M2PFDA	INT STD	10.29	515.053 > 469.934	51006		11.742		na	117.4
36	M6PFDA	INT STD	10.29	519.053 > 473.931	54697		9.806		na	98.1
37	8:2FTS	39108-34-4	10.27	527.177 > 507.171	68		0.443		YES	92.4
38	M2-8:2FTS	INT STD	10.28	529.162 > 509.155	2646		9.411		na	94.1
39	PFNS	68259-12-1	10.32	548.989 > 80.249	319		0.405	1.03	NO	84.4

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:15:17 Eastern Daylight Time

ID: IA2-537STD0.5
Name: I31176
Date: 27-Oct-2020
Time: 17:40:30
Description: WG1427117,,537_200915_1
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:JW
Inlet Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\200520_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.70	573.22 > 419.061	4394		7.557		na	75.6
41	br-NMeFOSAA		10.57	570.202 > 419.061	4	m5	0.024		YES	20.3
42	L-NMeFOSAA		10.71	570.202 > 419.061	135		0.334	1.89	YES	87.9
43	NMeFOSAA	2355-31-9		570.202 > 419.061	139		0.358		na	
44	PFUnA	2058-94-8	10.82	562.989 > 518.903	1928		0.425	7.11	NO	85.1
45	M7-PFUDA	INT STD	10.82	570.053 > 524.923	48607		10.196		na	102.0
46	PFDS	335-77-3	10.84	598.926 > 80.314	305		0.398	1.17	NO	82.5
47	FOSA	754-91-6	10.94	498.146 > 78.07	1364	m7	0.457	125.33	NO	91.4
48	M8FOSA	INT STD	10.94	506.077 > 78.07	34203		9.270		na	92.7
49	br-NEtFOSAA		10.88	584.229 > 419.061	7	m5	0.051		YES	45.7
50	L-NEtFOSAA		11.01	584.229 > 419.061	98	m7	0.293	9.39	NO	75.7
51	NEtFOSAA	2991-50-6		584.229 > 419.061	105		0.345		na	
52	d5-NEtFOSAA	INT STD	11.00	589.259 > 419.061	4154		8.959		na	89.6
53	PFDoA	307-55-1	11.27	612.989 > 568.967	2424		0.479	17.41	NO	95.8
54	MPFDOA	INT STD	11.27	614.989 > 569.92	51269		9.574		na	95.7
55	PFTrDA	72629-94-8	11.67	663.053 > 618.969	2838		0.535	11.31	NO	107.1
56	PFTA	376-06-7	12.02	713.053 > 668.976	2453		0.531	7.04	NO	106.3
57	M2PFTEDA	INT STD	12.02	715.094 > 670.092	24215		9.208		na	92.1
58	M3HFPO-DA	INT STD	7.15	287.02 > 169.022	7672		277.261		na	138.6
59	HFPO-DA	13252-13-6	7.15	284.819 > 169.094	252		7.362	12.69	YES	73.6
60	ADONA	958445-44-8	8.17	376.926 > 251.005	3956		0.483		na	102.0
61	PFHxDA		12.55	813.253 > 769.005	880		0.451		na	90.1
62	PFODA		12.77	913.411 > 869.131	334		0.334		na	66.8
63	M2PFHxDA		12.55	815.372 > 770.158	14097		8.878		na	88.8
64	PFDoS		11.67	699.154 > 80.062	244		0.286		na	57.3
65	10:2FTS		11.28	627.192 > 607.186	50	m2	0.293		na	60.8
66	9CL-PF3ONS		10.08	530.862 > 350.843	1488		0.448		na	96.2
67	11CL-PFOUdS		11.09	630.862 > 450.854	1101		0.366		na	77.8
68	NMeFOSA		11.56	511.804 > 168.906	77	m7	0.222	3.35	YES	44.5
69	d3-NMeFOSA		11.55	514.84 > 168.917	53305		95.149		na	86.5
70	NEtFOSA		11.86	525.84 > 168.92	149	m7	0.340	14.08	YES	68.0
71	d5-NEtFOSA		11.85	530.904 > 168.919	67020		97.601		na	88.7
72	NMeFOSE		11.56	615.862 > 58.9	279		0.313		na	62.6
73	d7-NMeFOSE		11.54	622.84 > 58.964	33285		97.932		na	89.0
74	NEtFOSE		11.84	629.862 > 58.899	306		0.338		na	67.5
75	d9-NEtFOSE		11.83	638.734 > 58.964	18171		91.943		na	83.6
76	M3PFPeA		4.86	265.968 > 222.023	44640		10.593		na	105.9
77	M2PFHxA		6.72	314.968 > 270.02	35501		10.725		na	107.3
78	M4PFOA		8.93	416.904 > 372.045	63144		11.174		na	111.7

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:15:17 Eastern Daylight Time

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ID: IA2-537STD0.5
Date: 27-Oct-2020
Time: 17:40:30
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User: LCMS02:JW
Vial: 1:A,2
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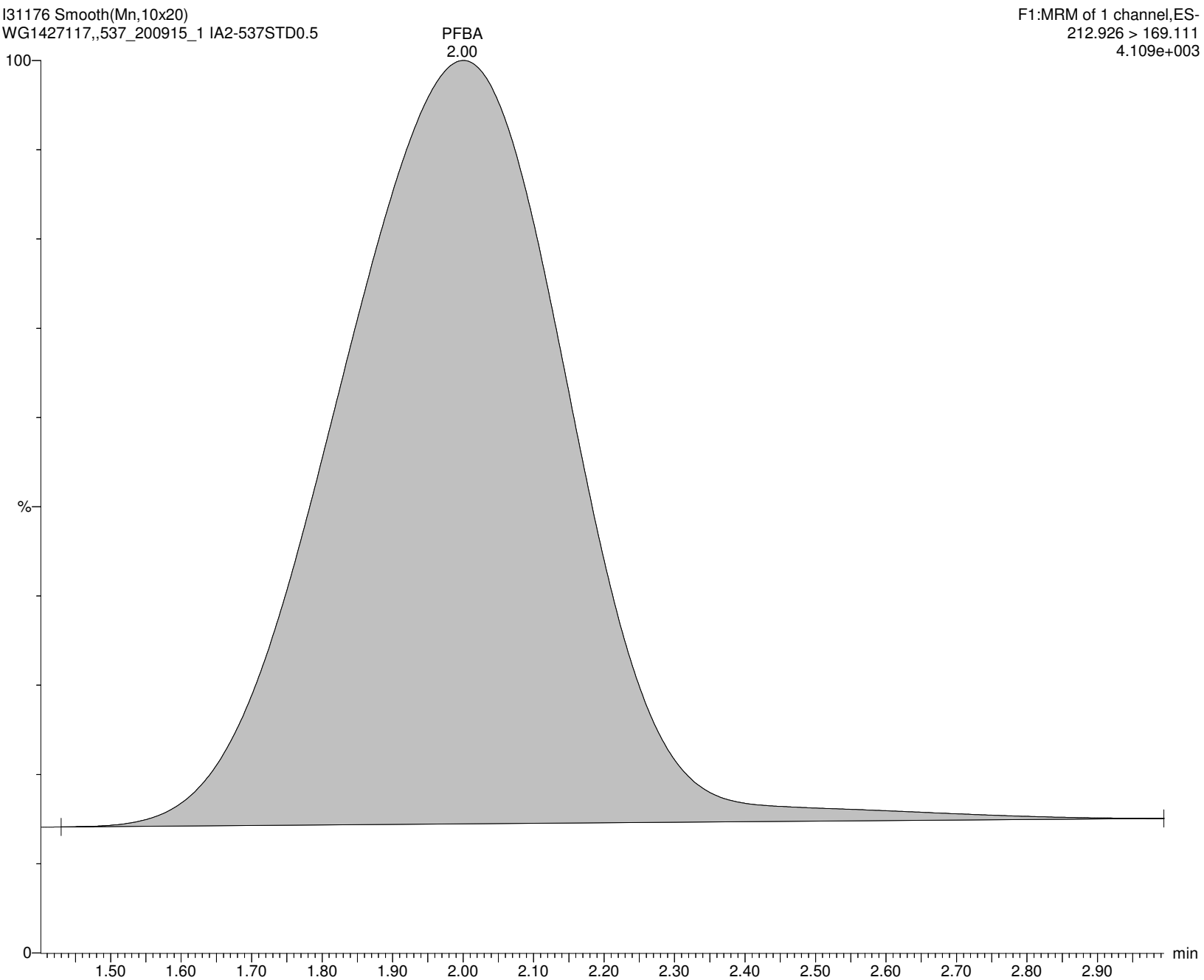

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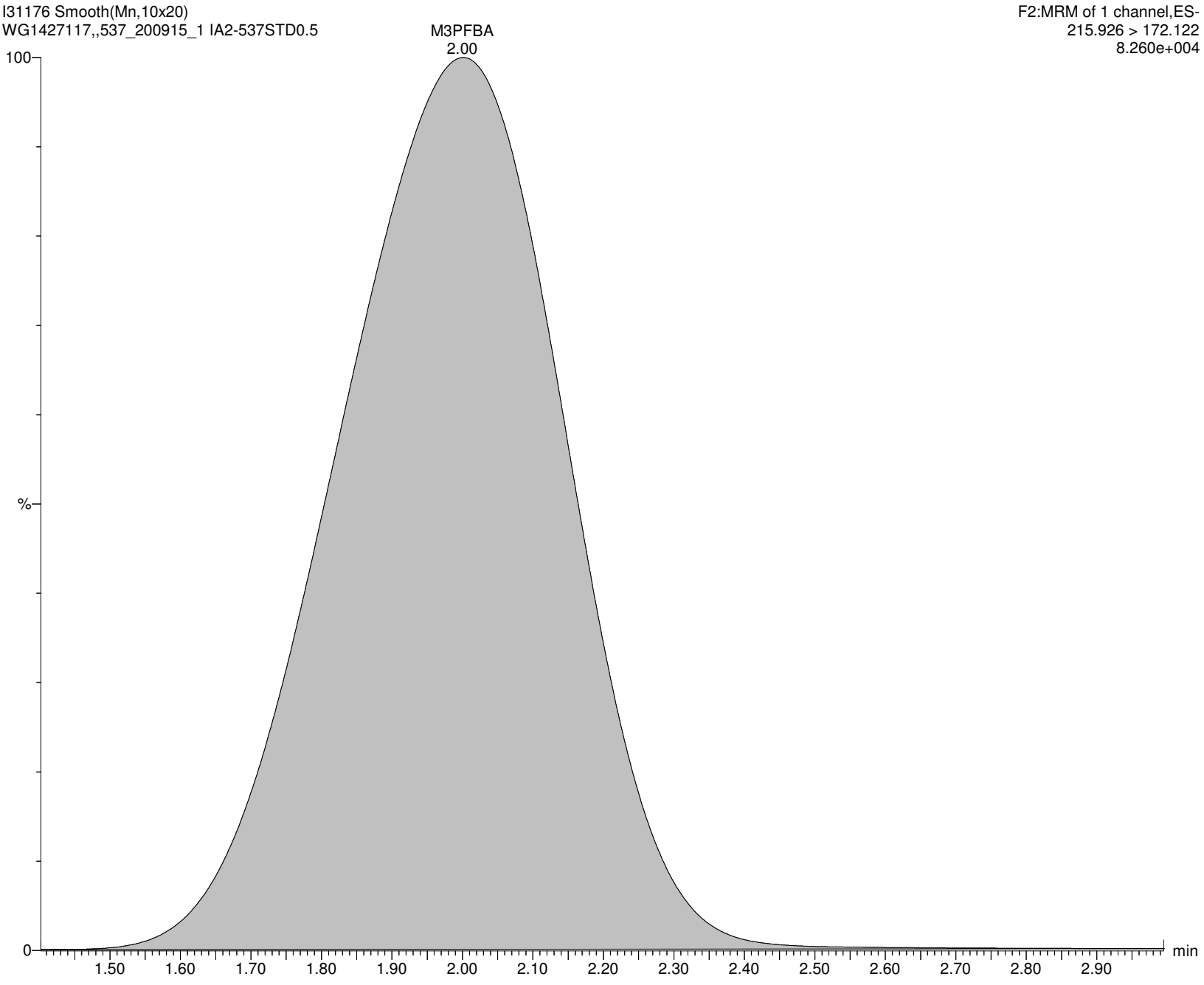

all concentration units in (ng/mL)

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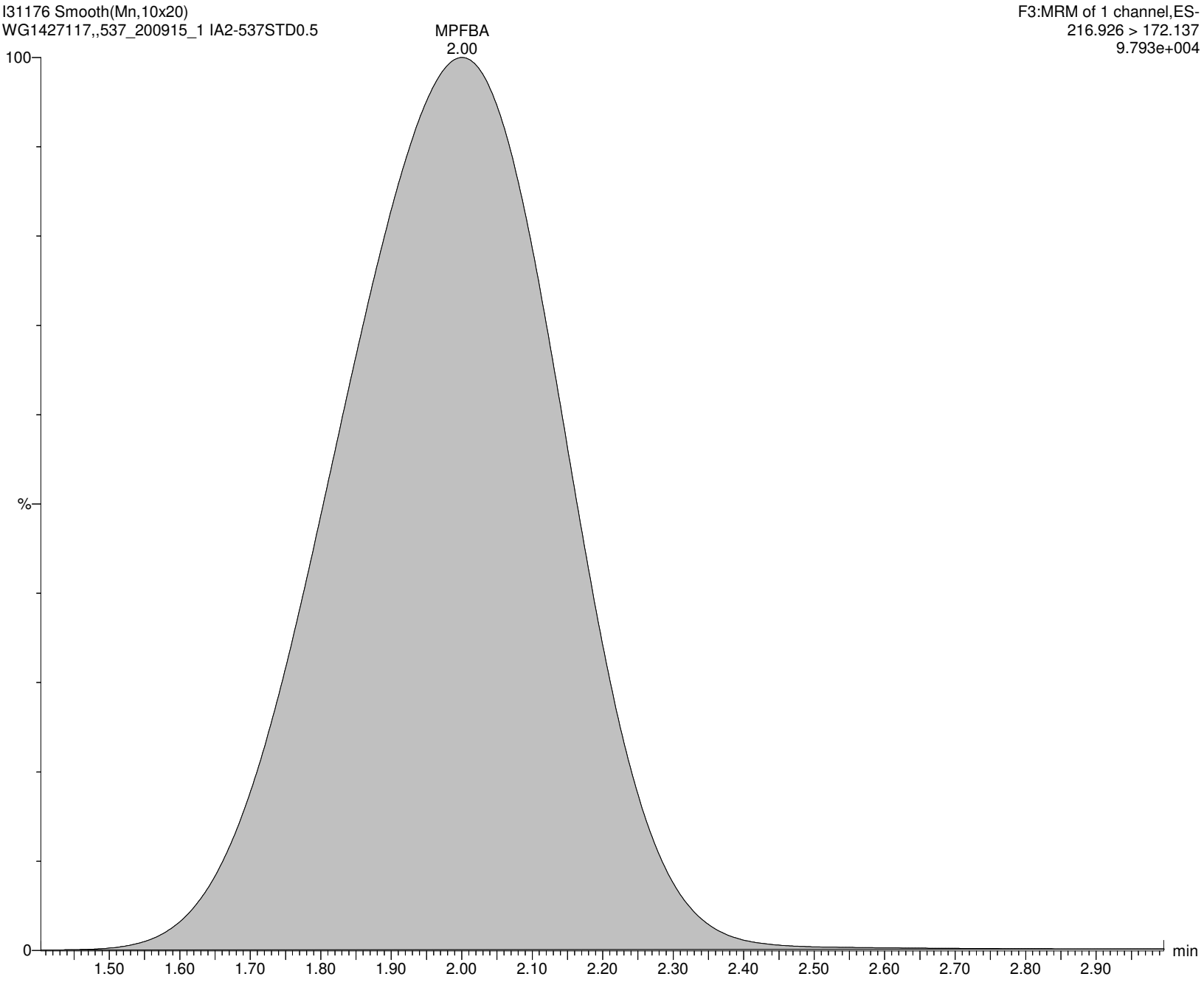

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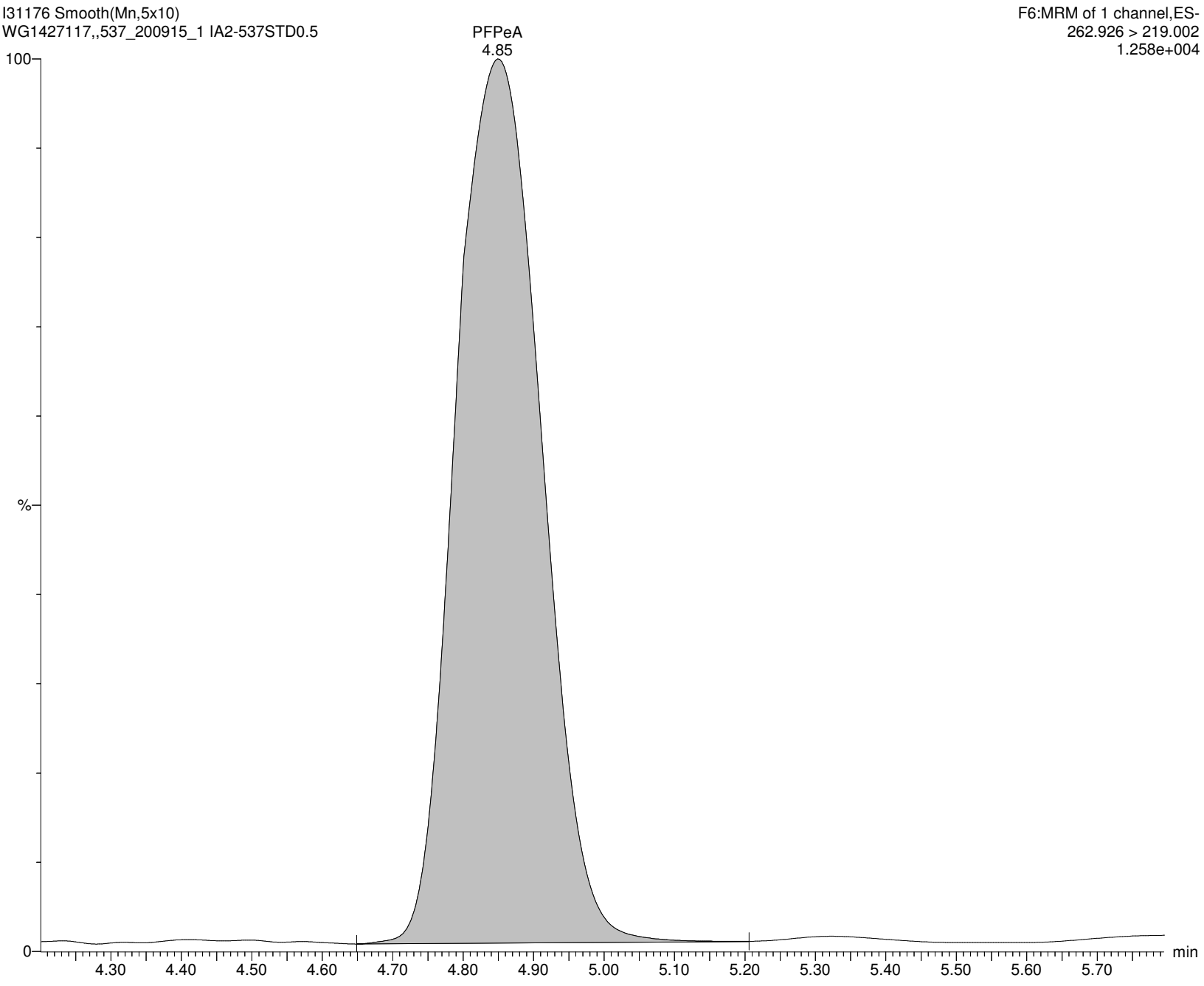

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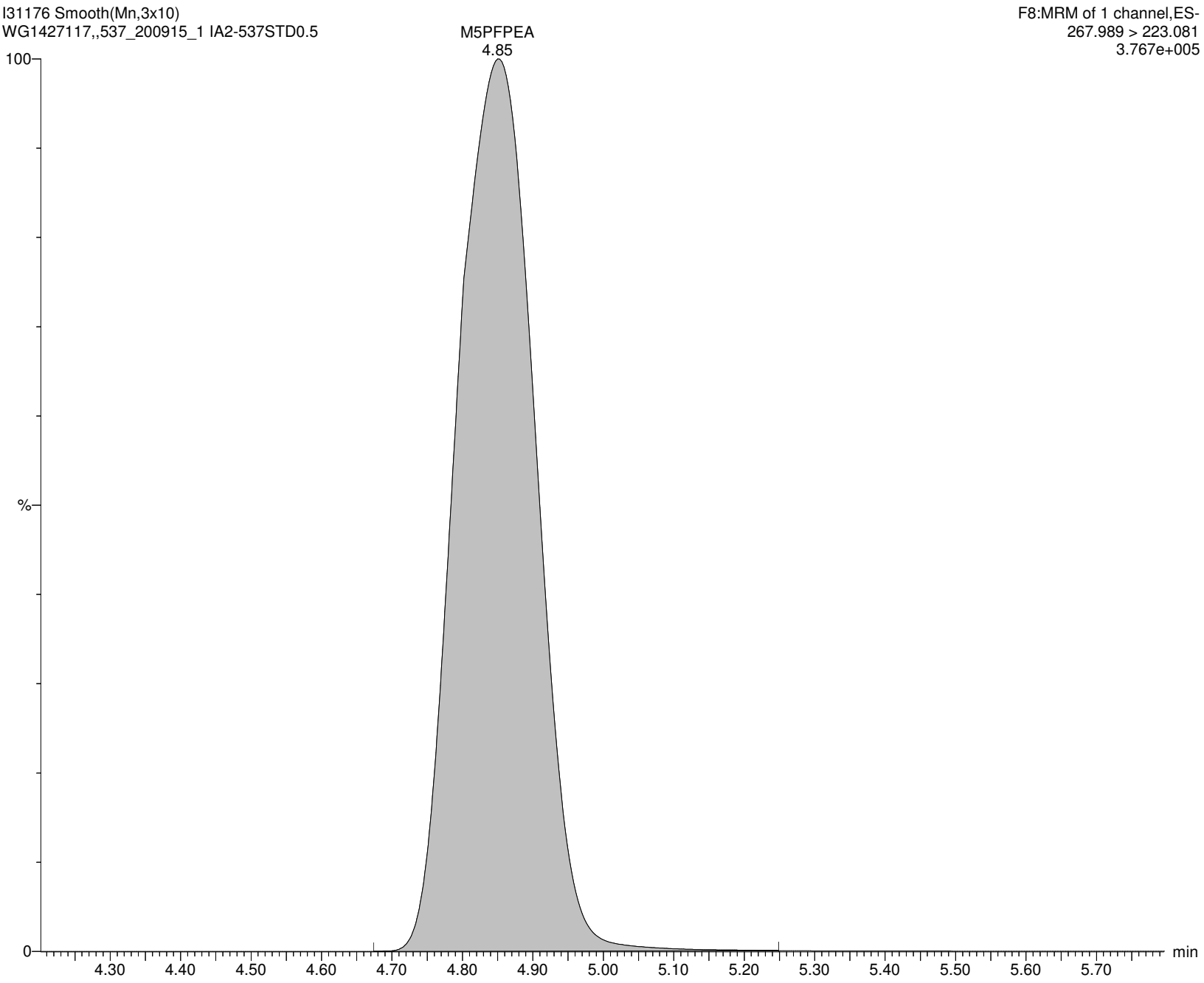

all concentration units in (ng/mL)

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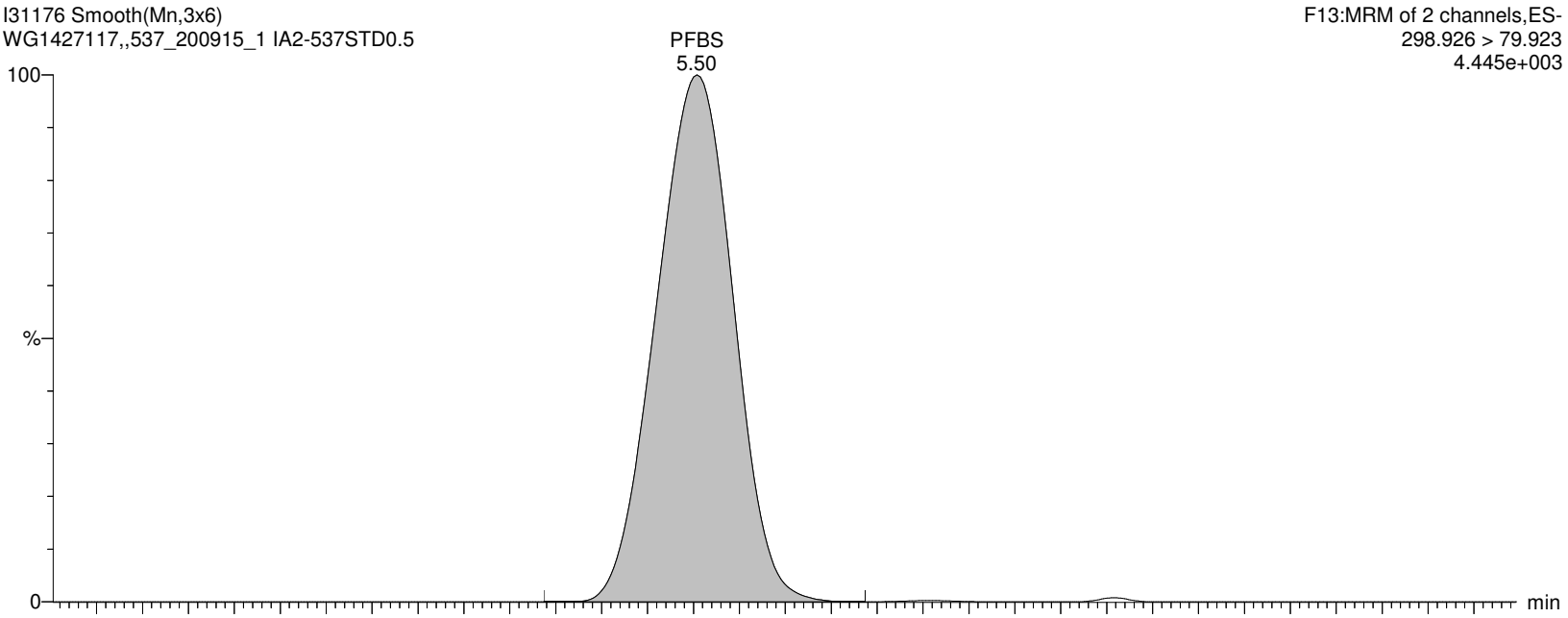

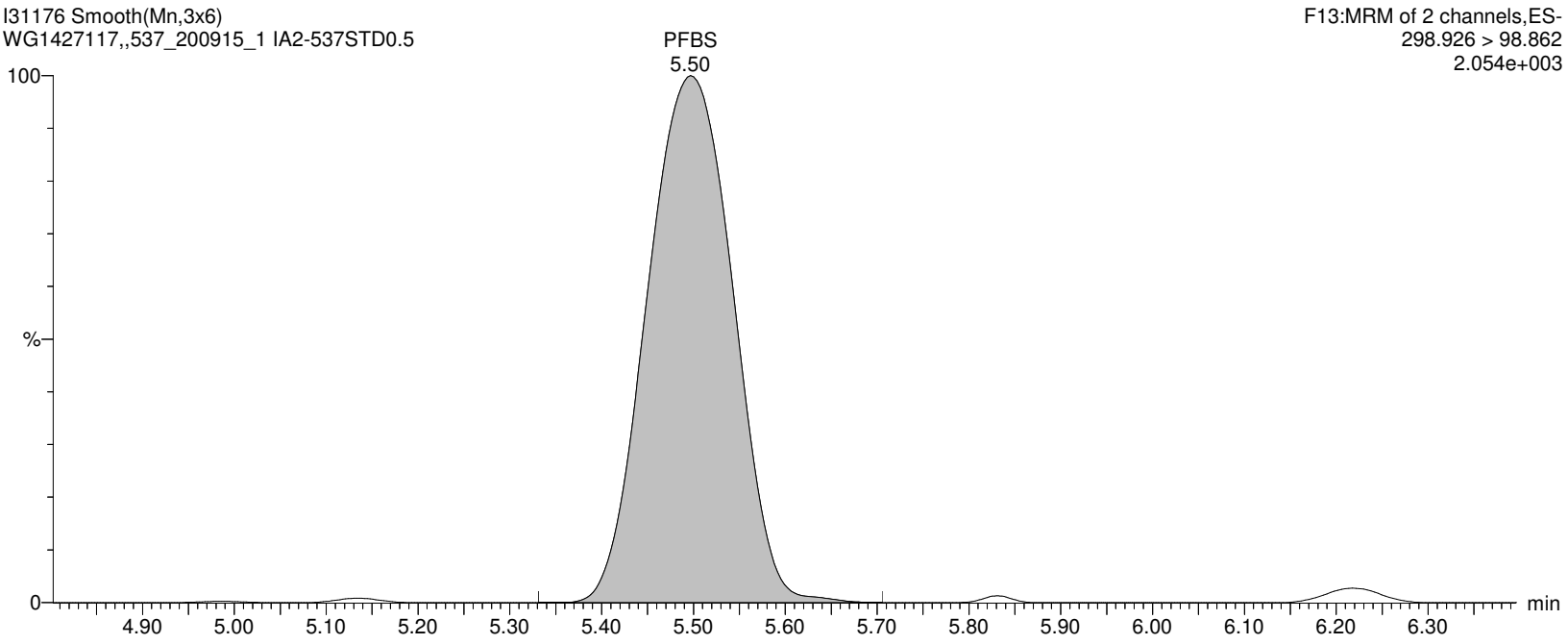

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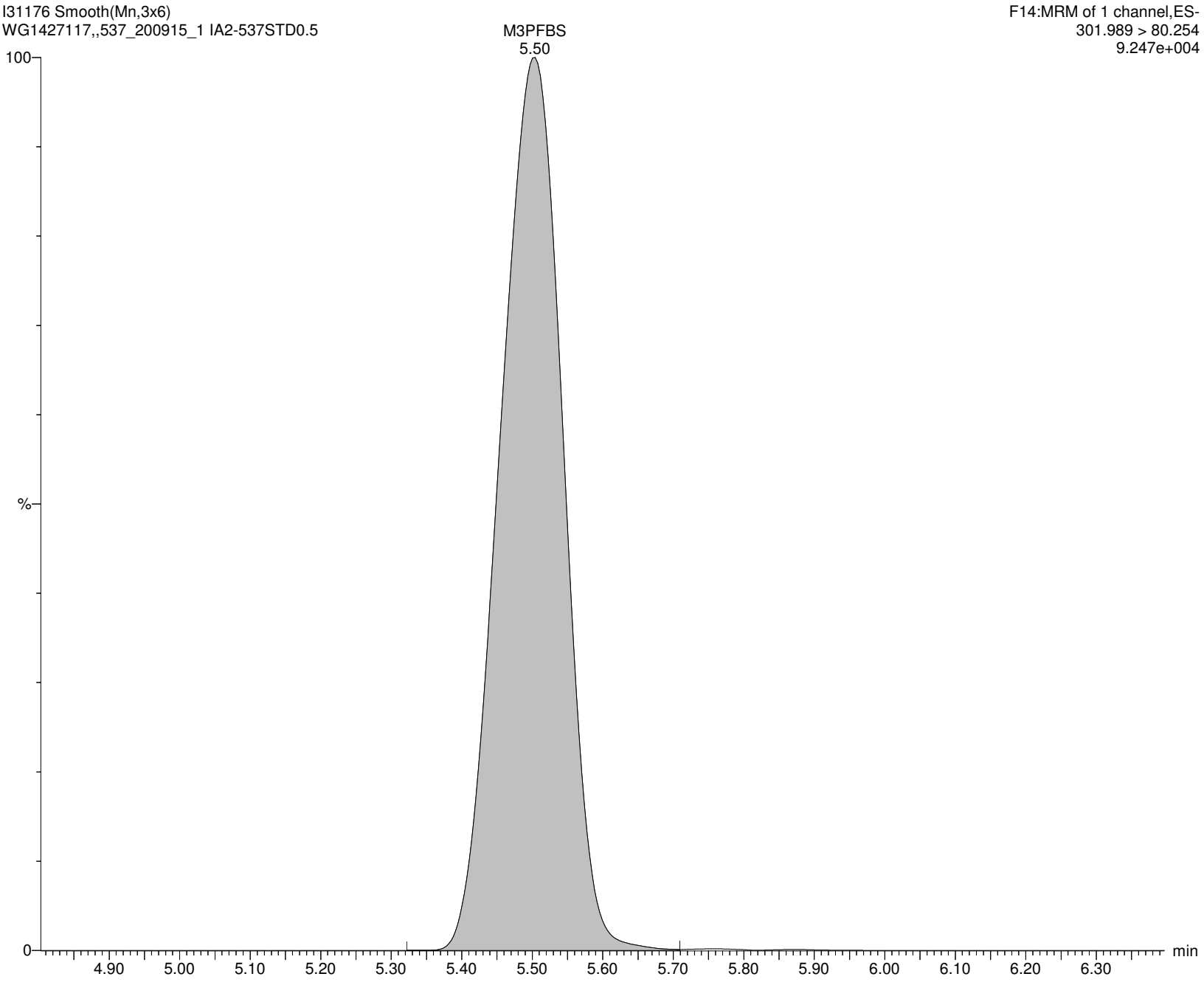

all concentration units in (ng/mL)

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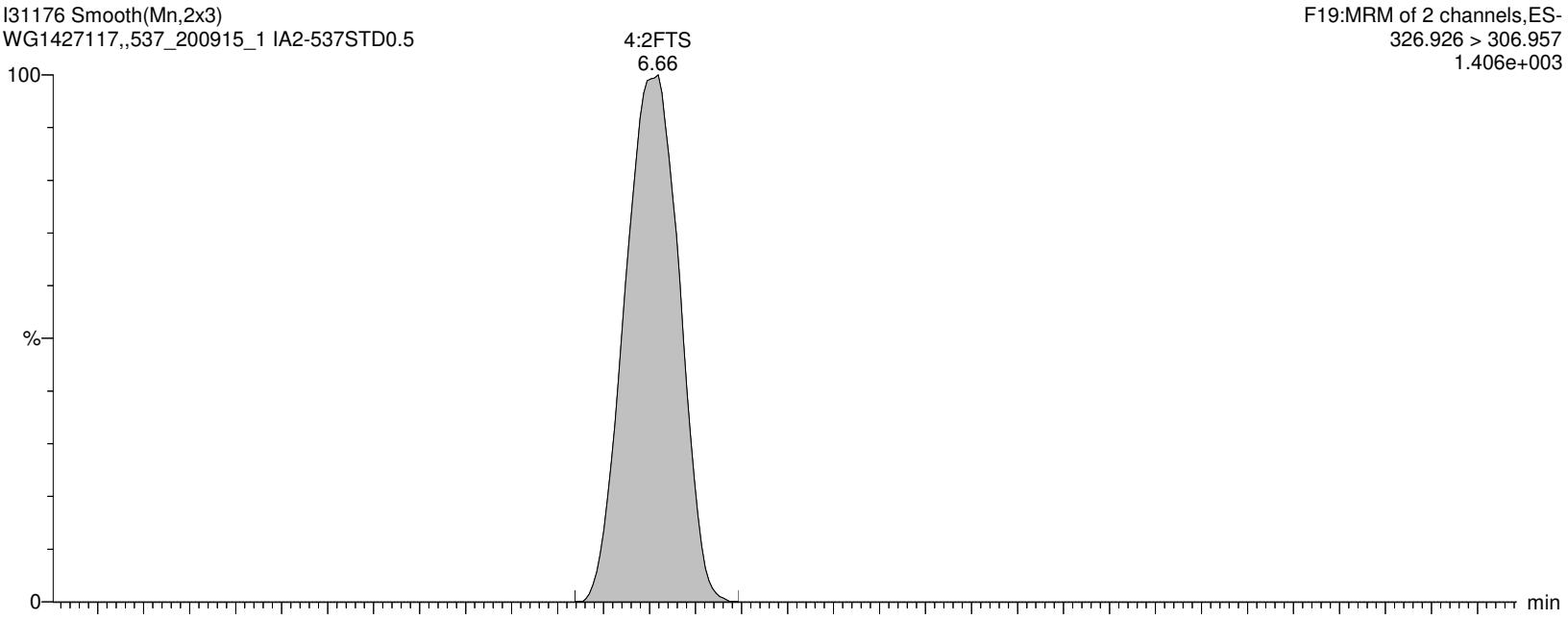
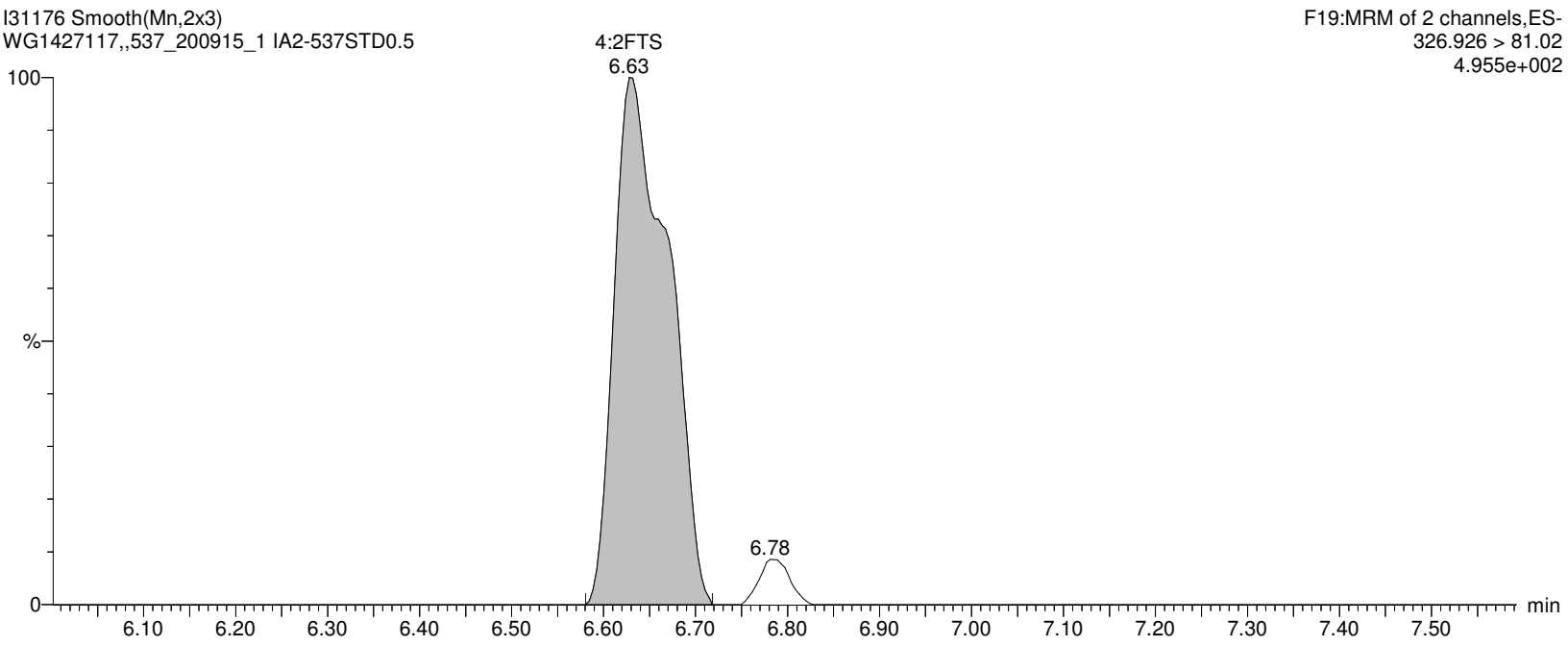
4:2FTS





all concentration units in (ng/mL)

Alpha Analytical Inc.
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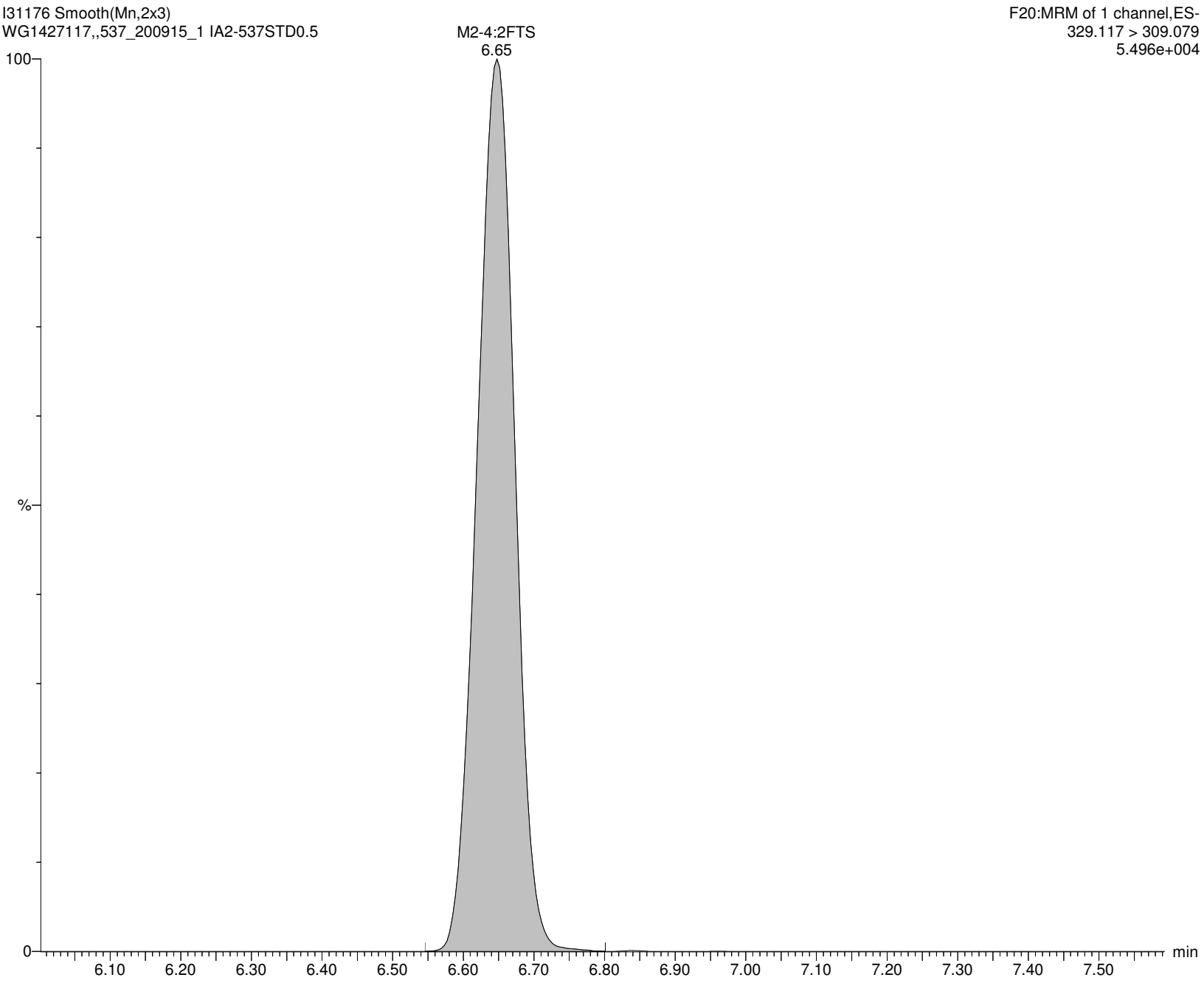

all concentration units in (ng/mL)

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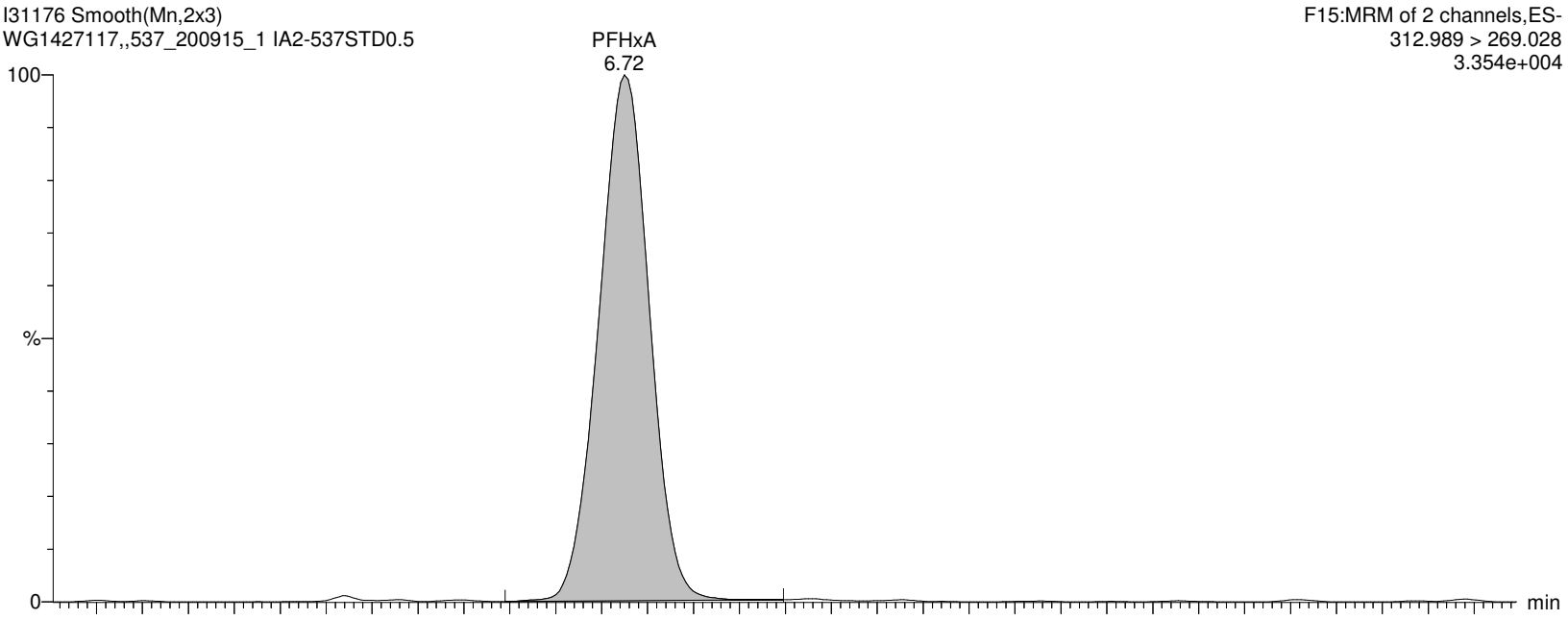

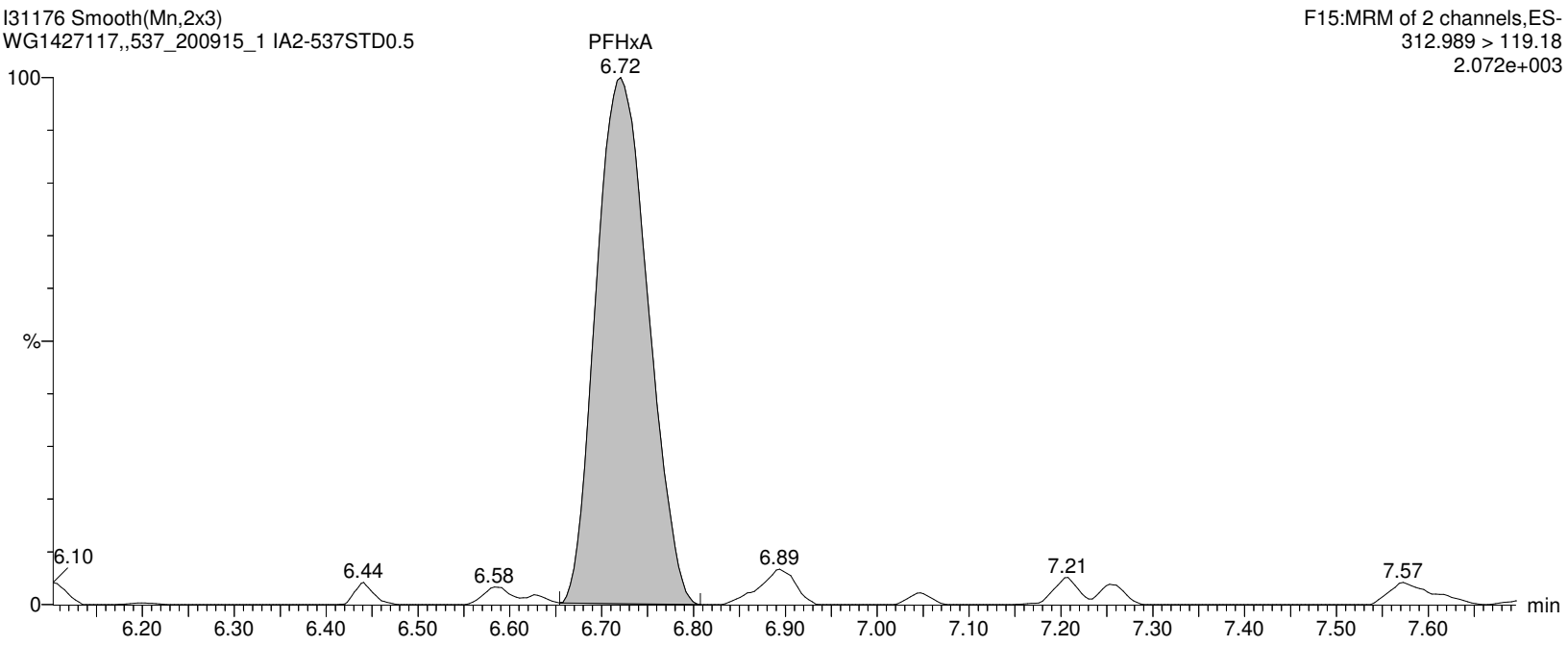

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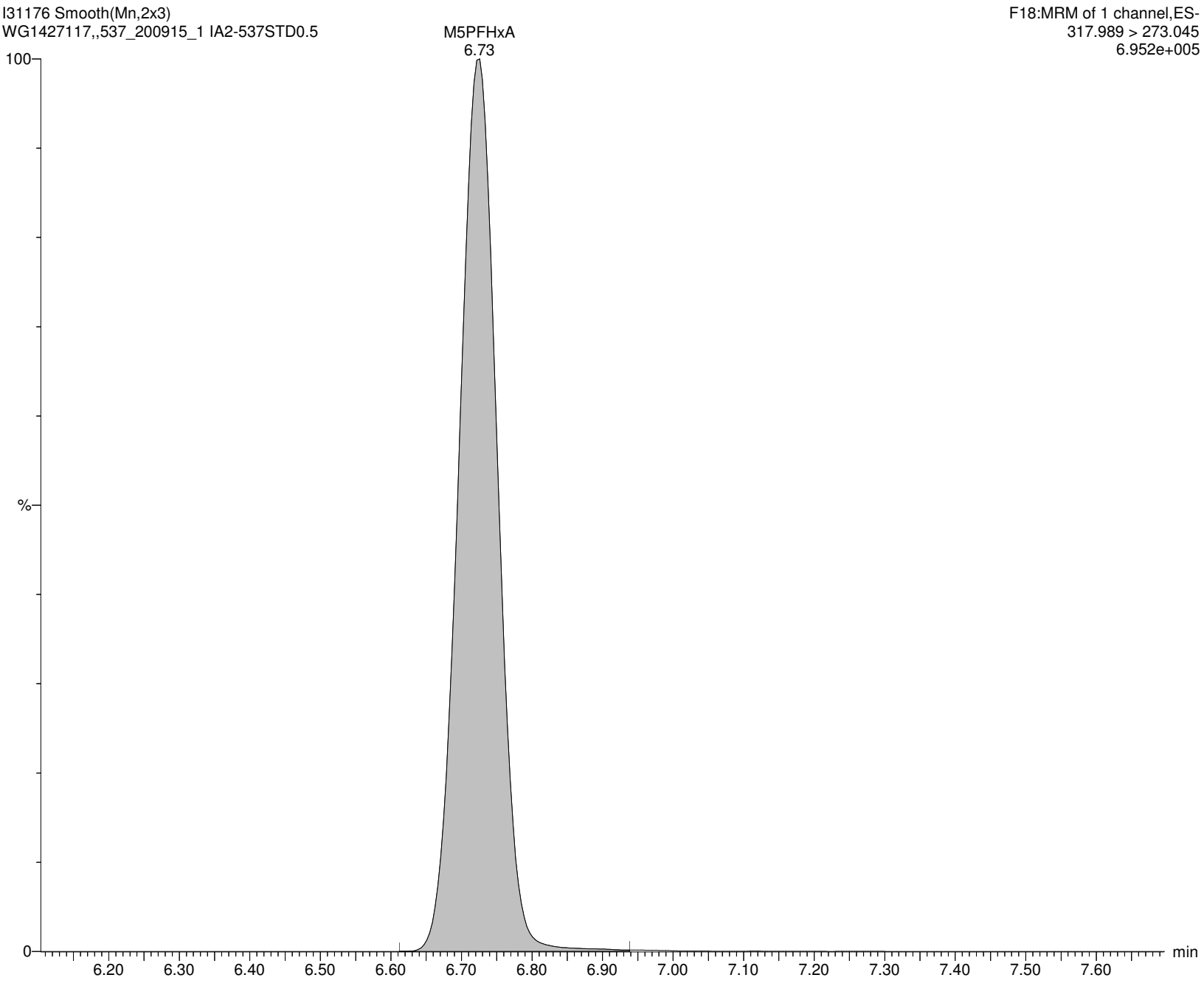

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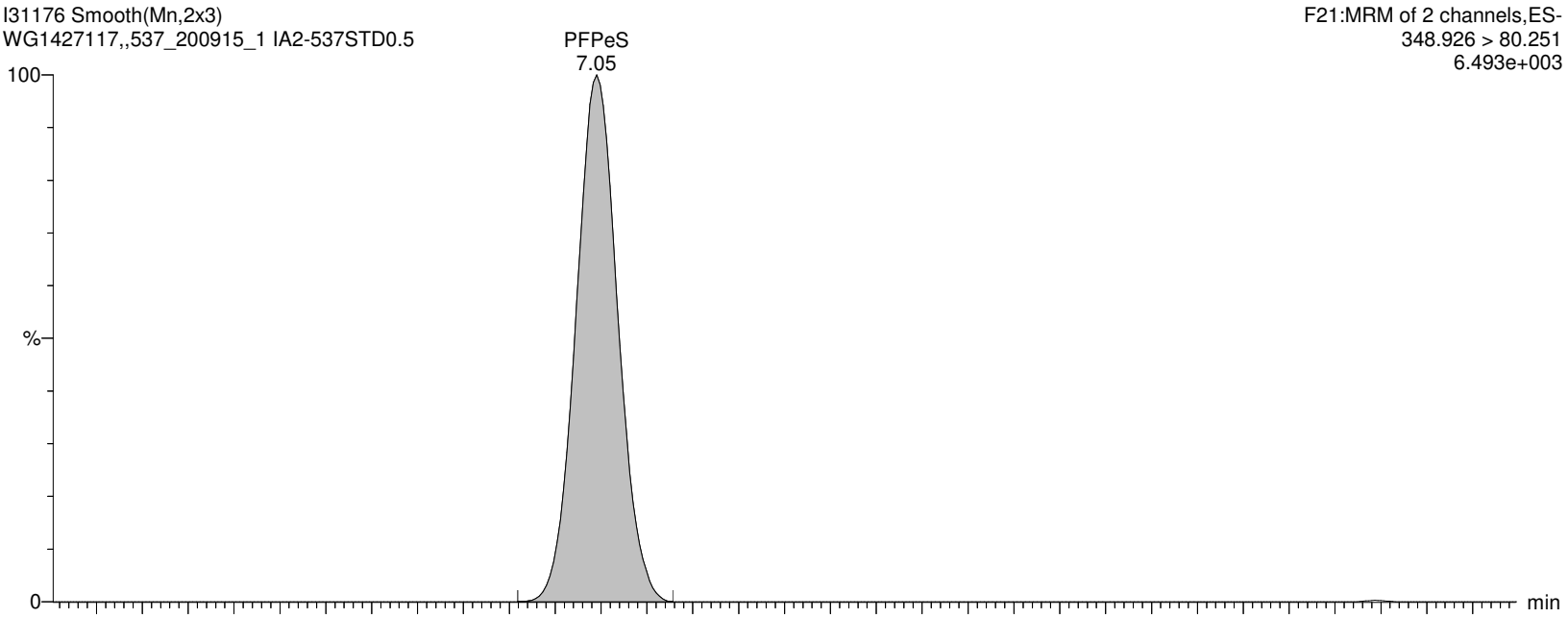

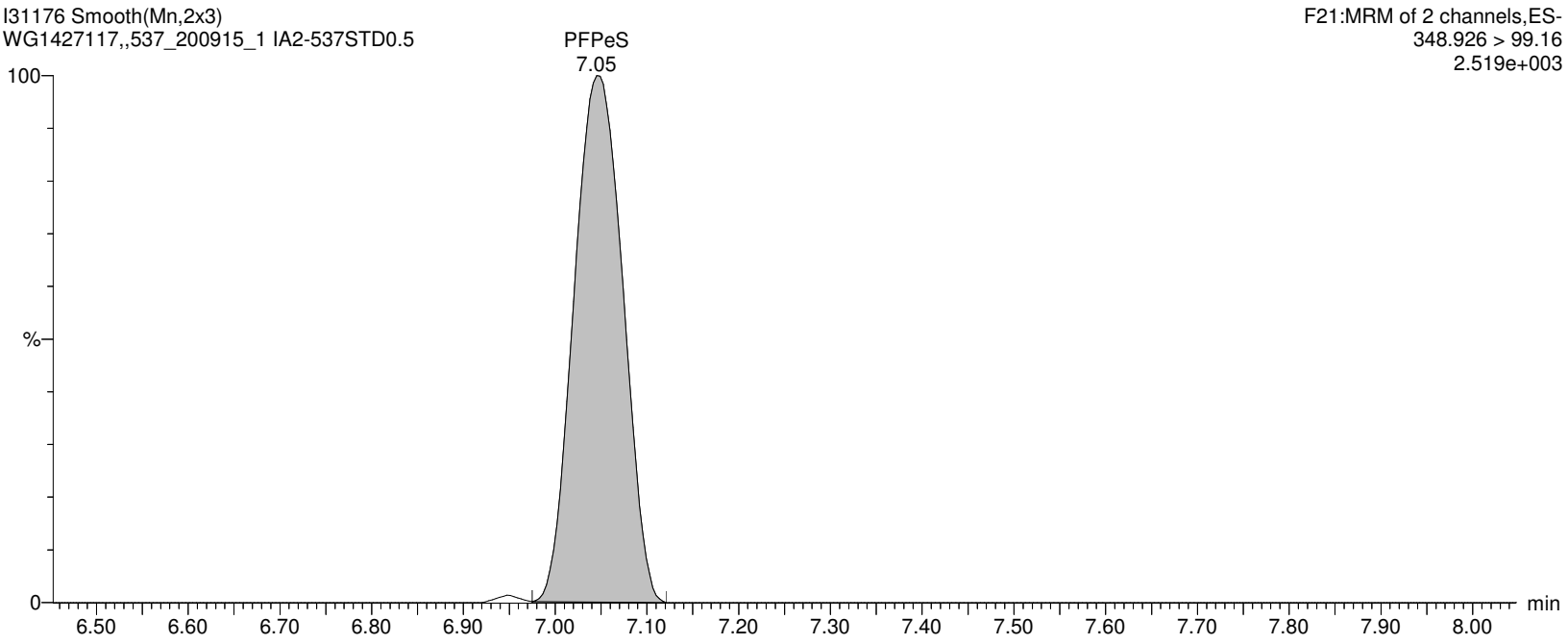

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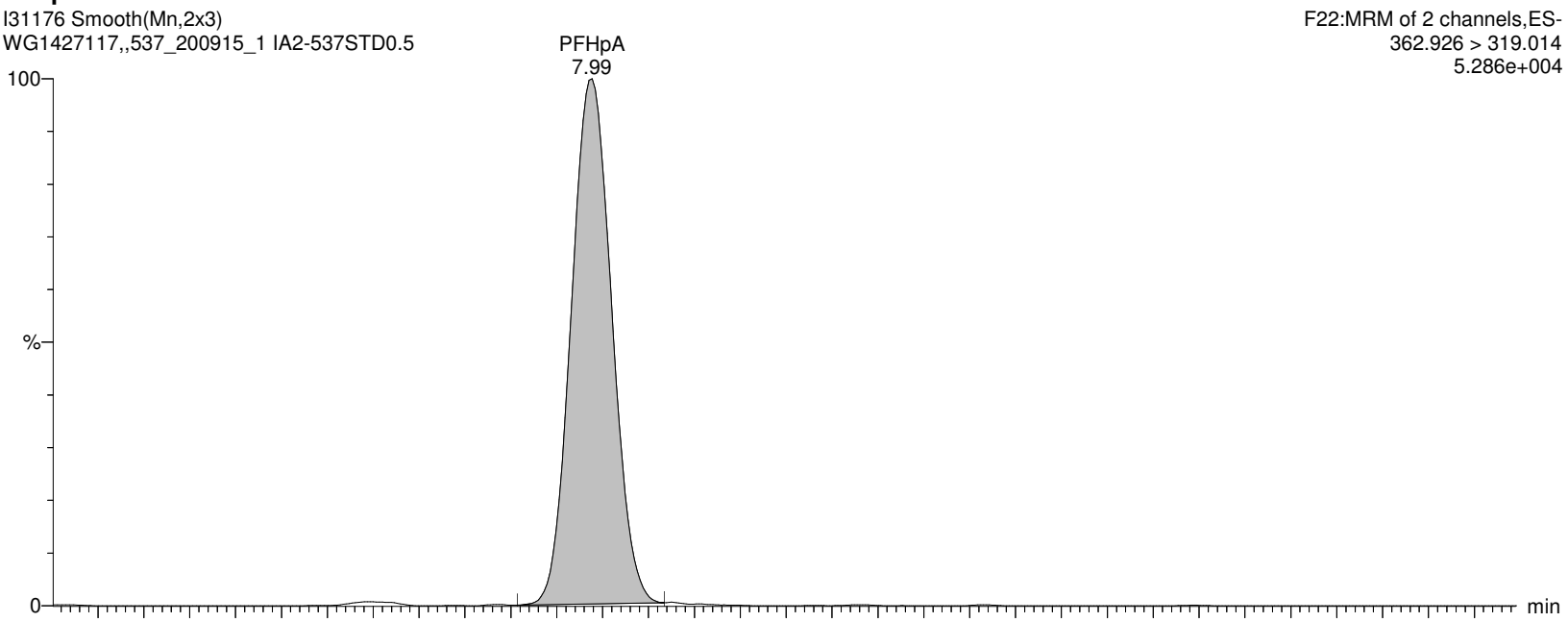

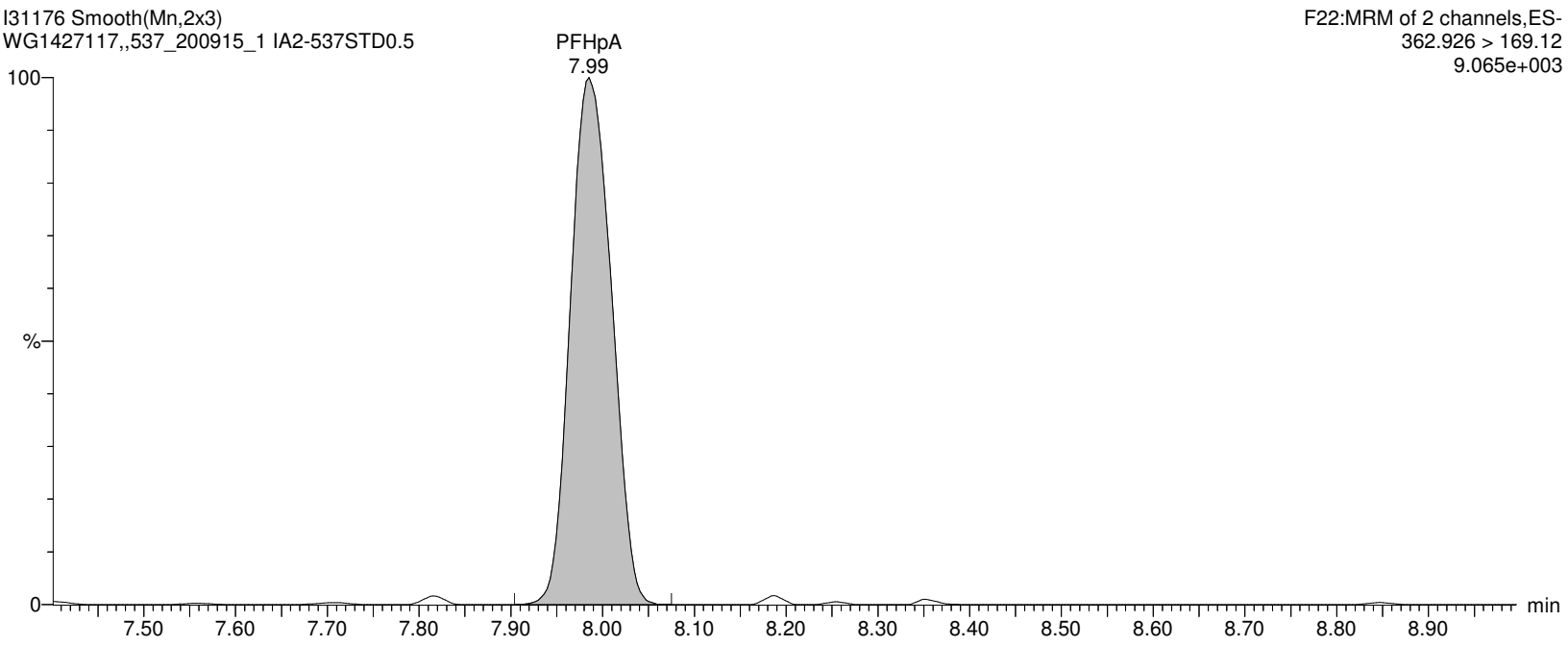

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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Name: I31176
ID: IA2-537STD0.5
Date: 27-Oct-2020
Time: 17:40:30
Description: WG1427117,,537_200915_1
User: LCMS02:JW
Vial: 1:A,2
Instrument: XEVO-TQSmicro#QEB0050
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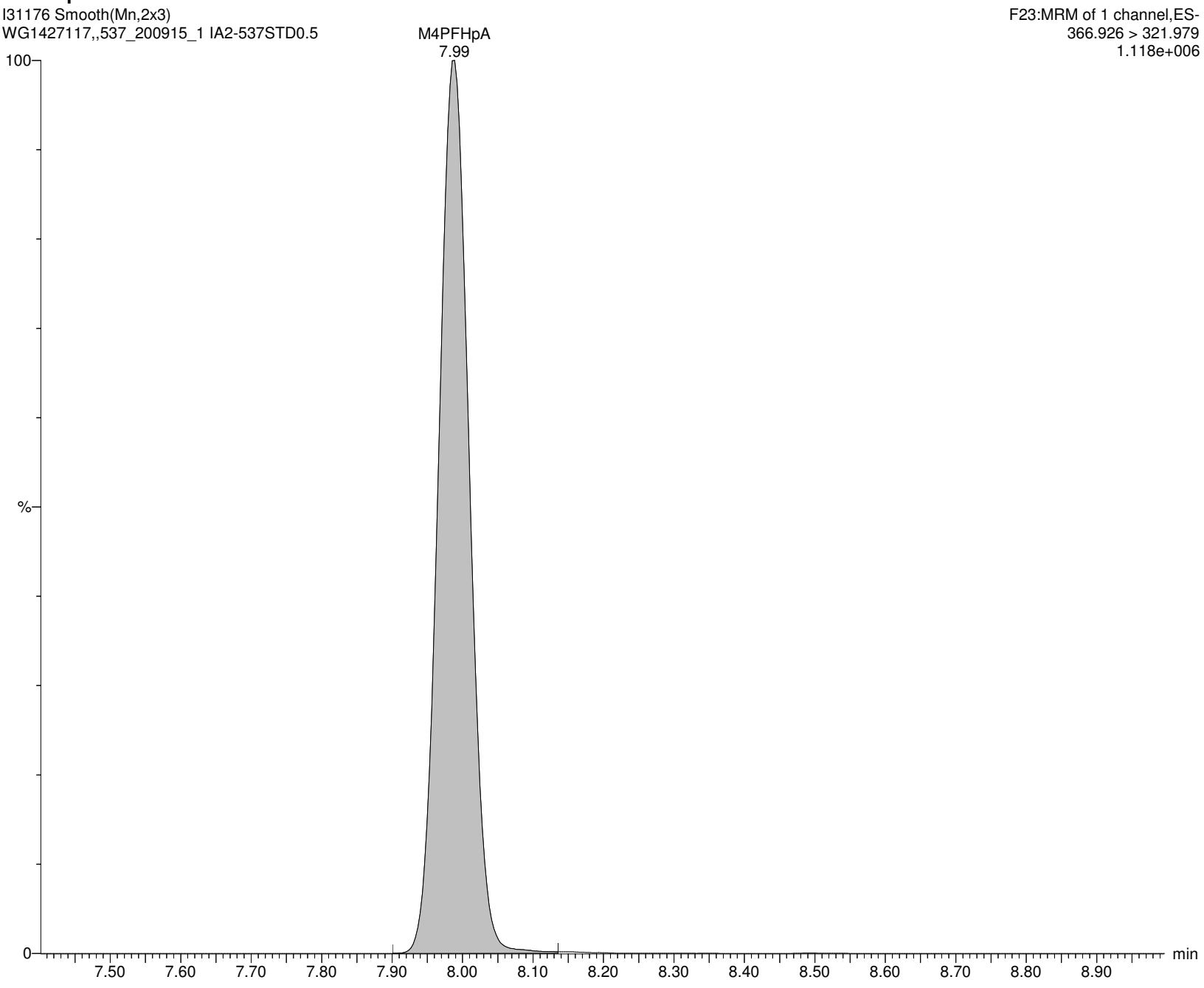

all concentration units in (ng/mL)

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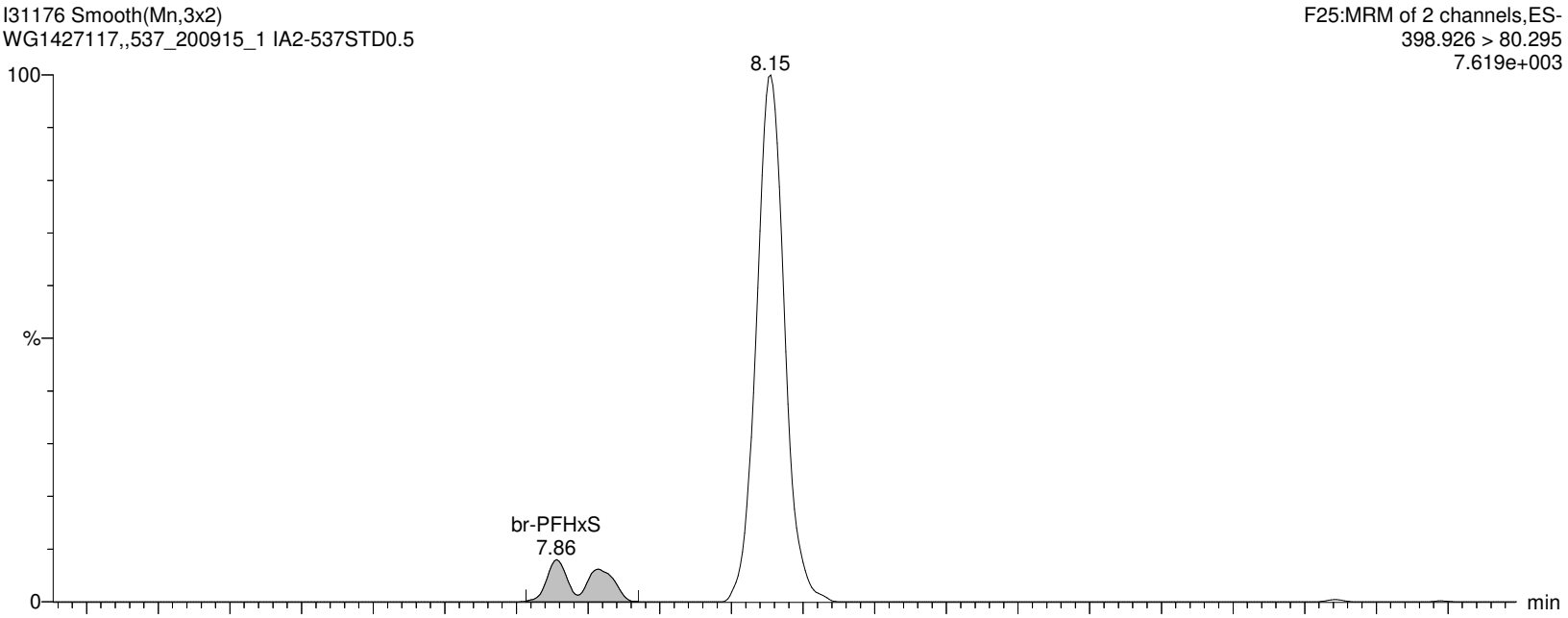

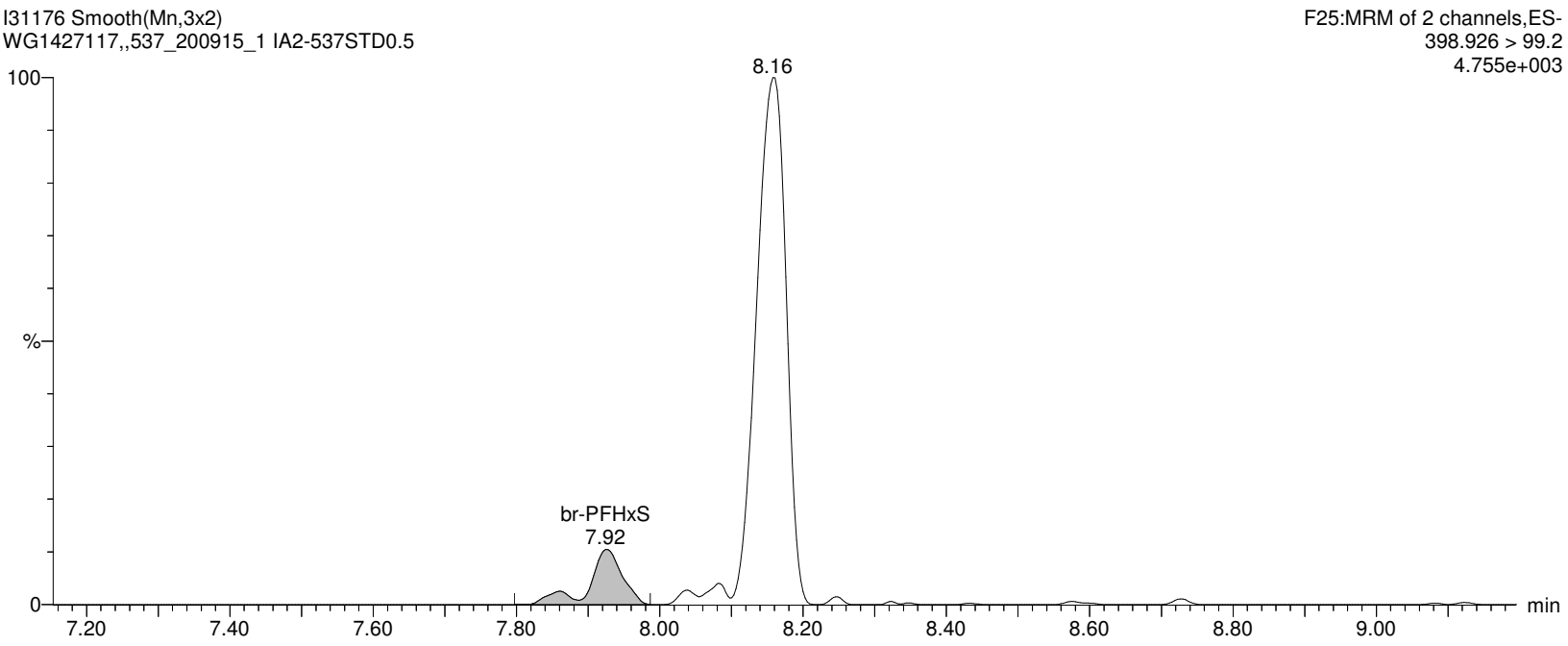

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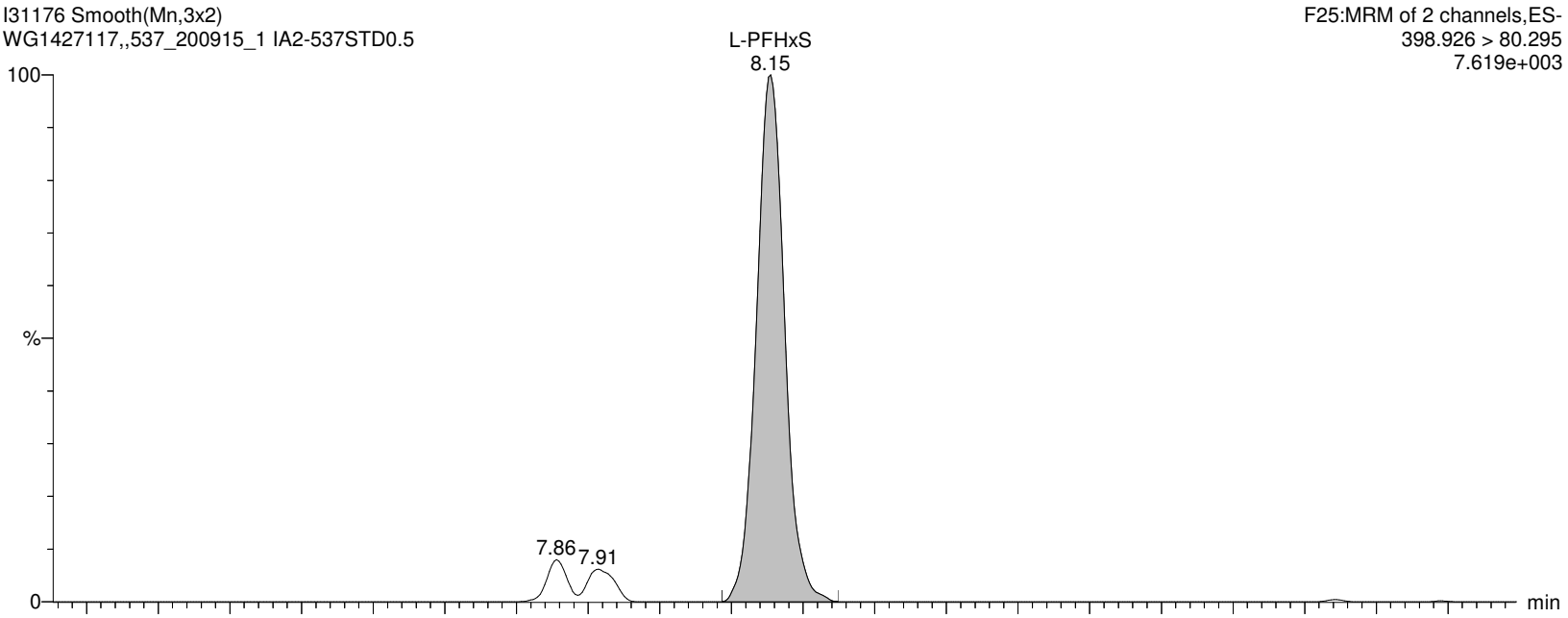

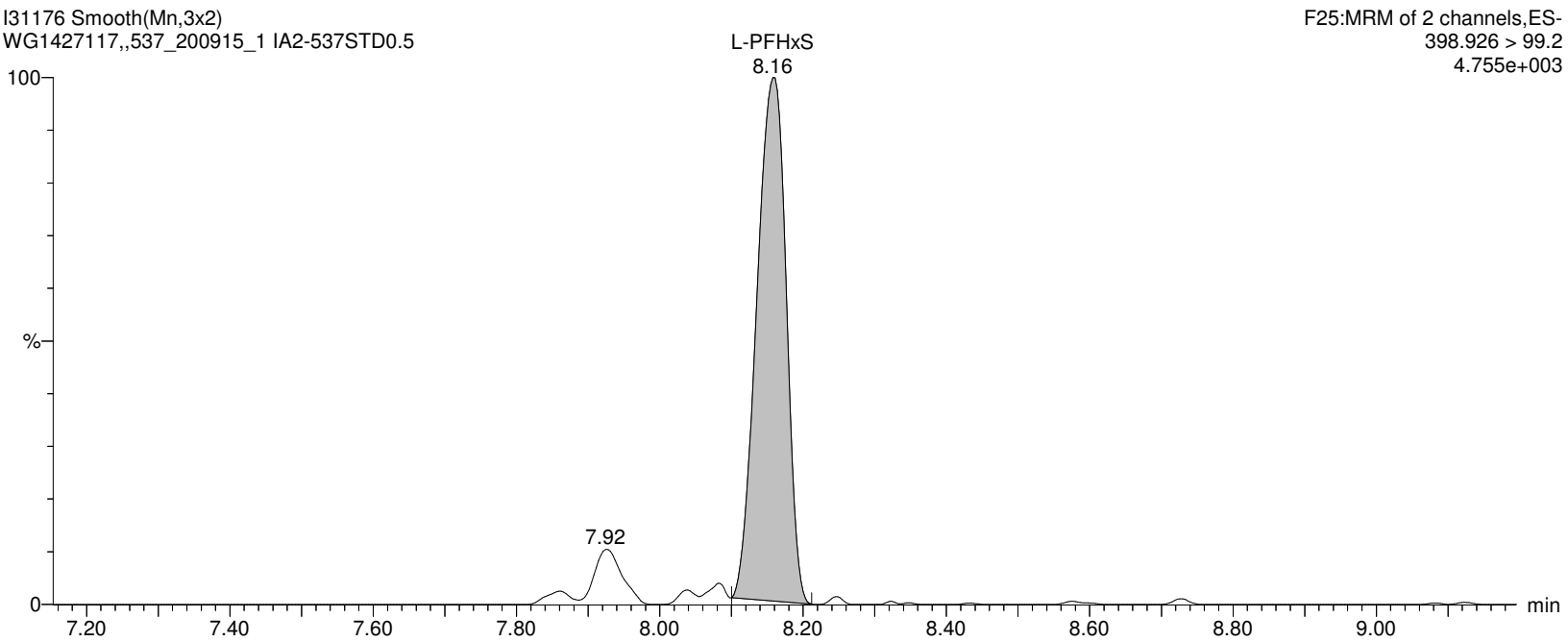

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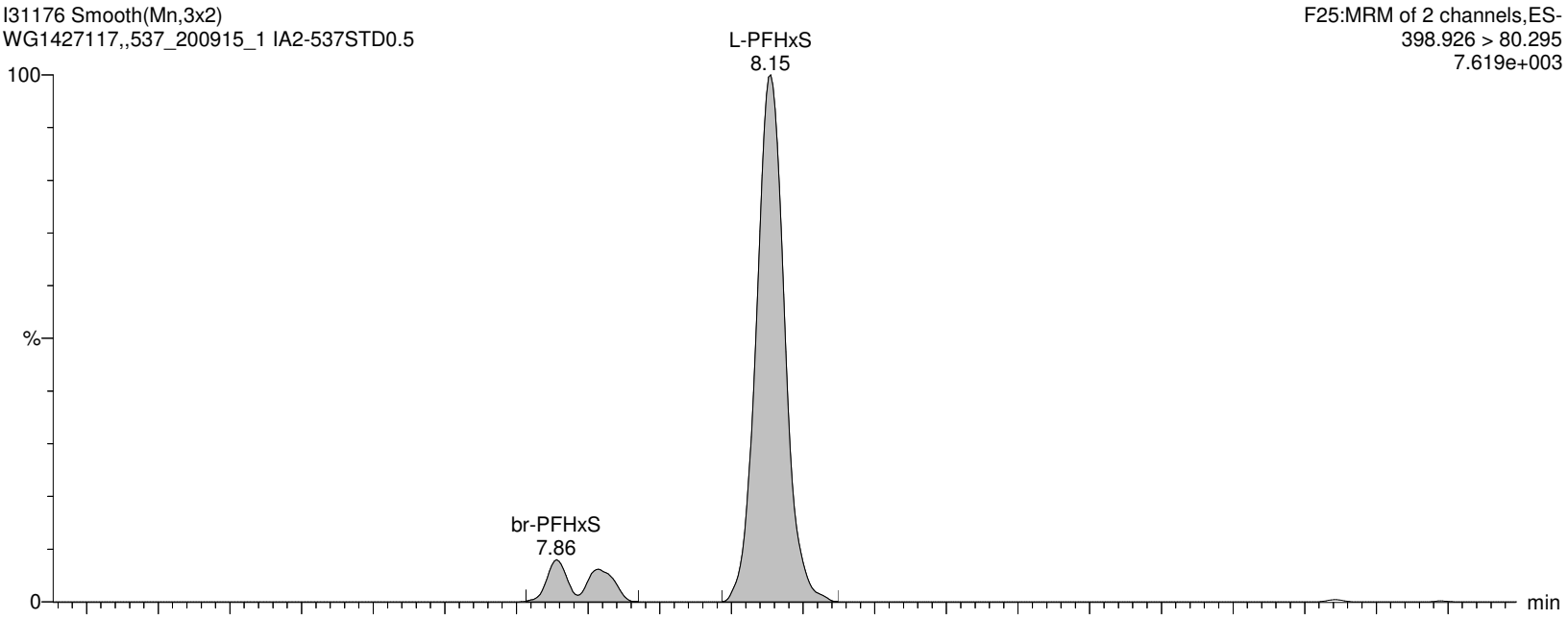

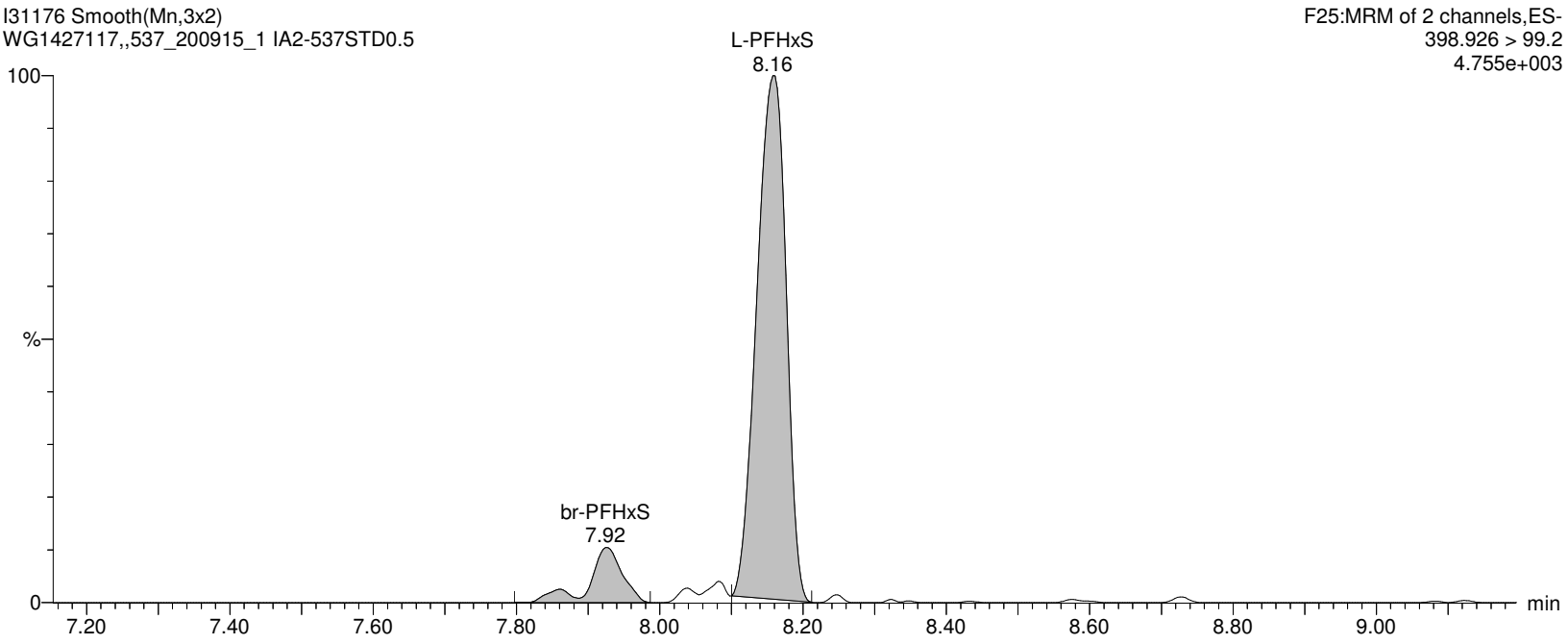

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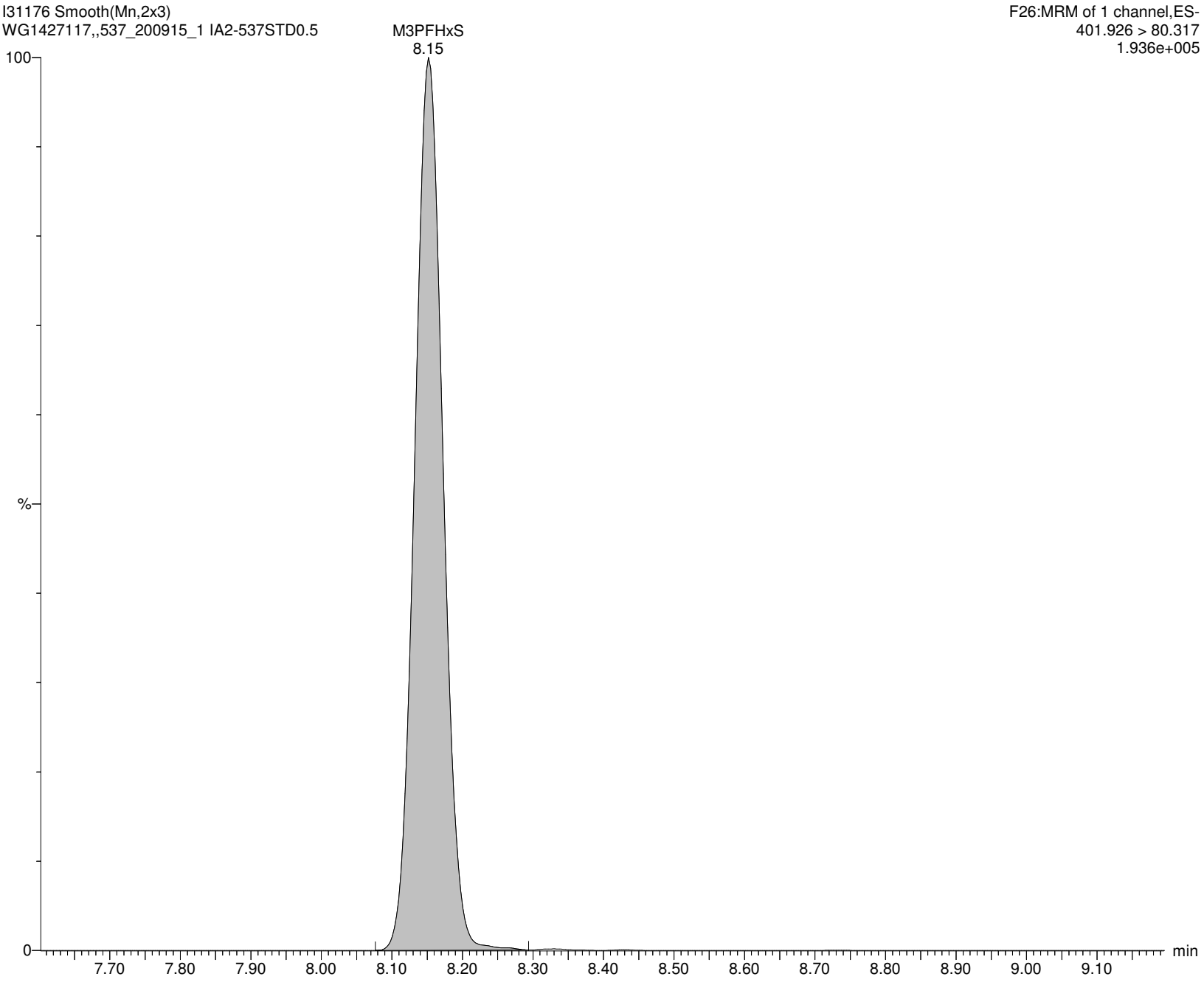

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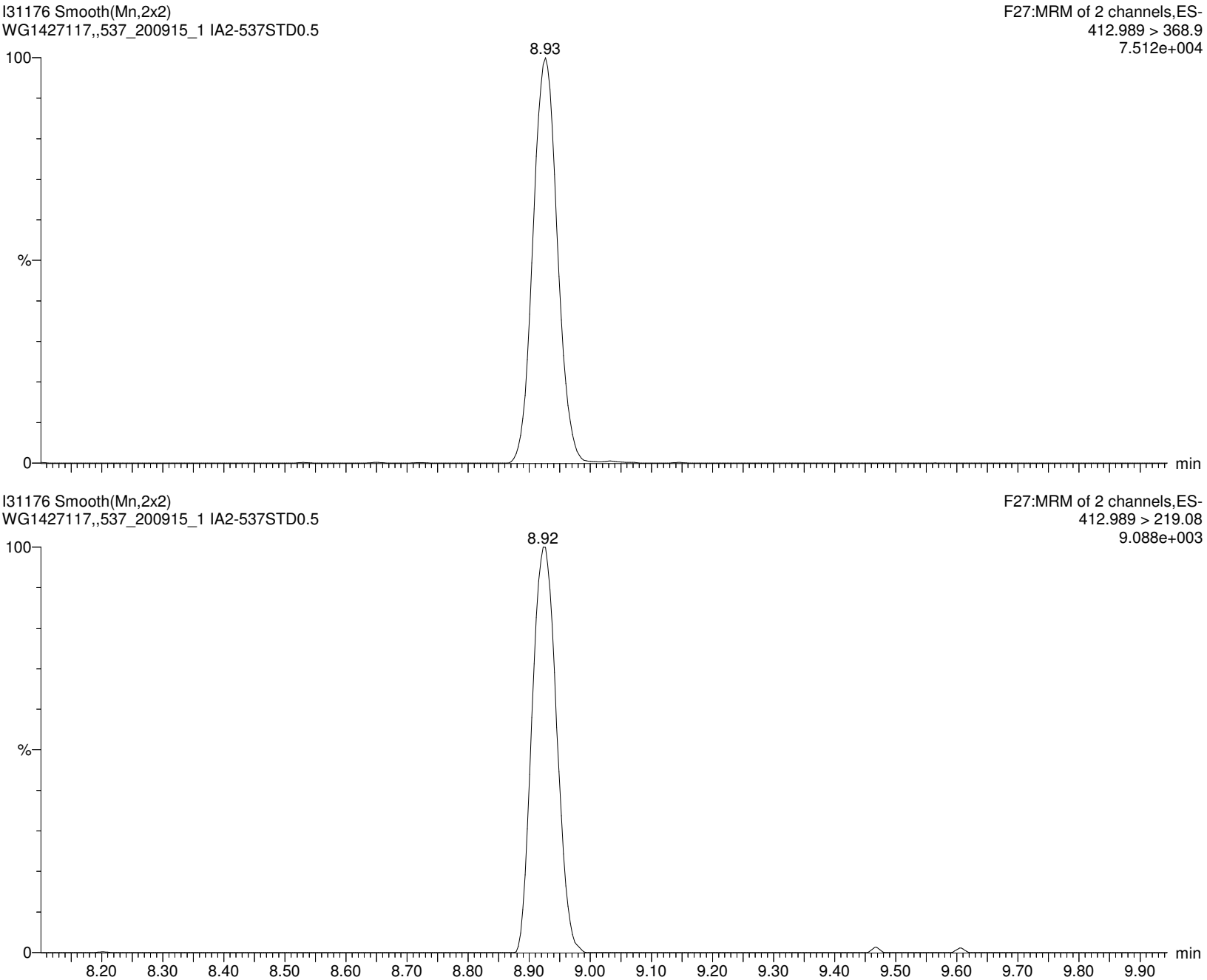

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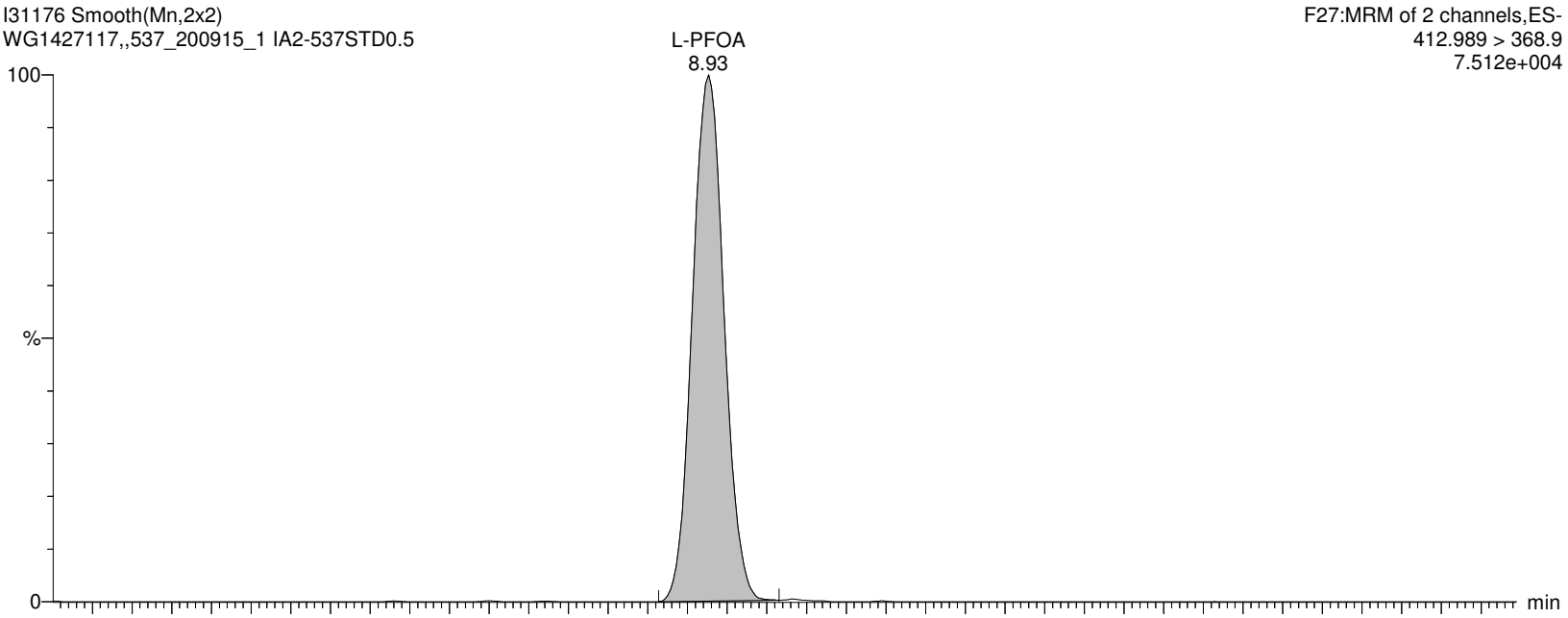

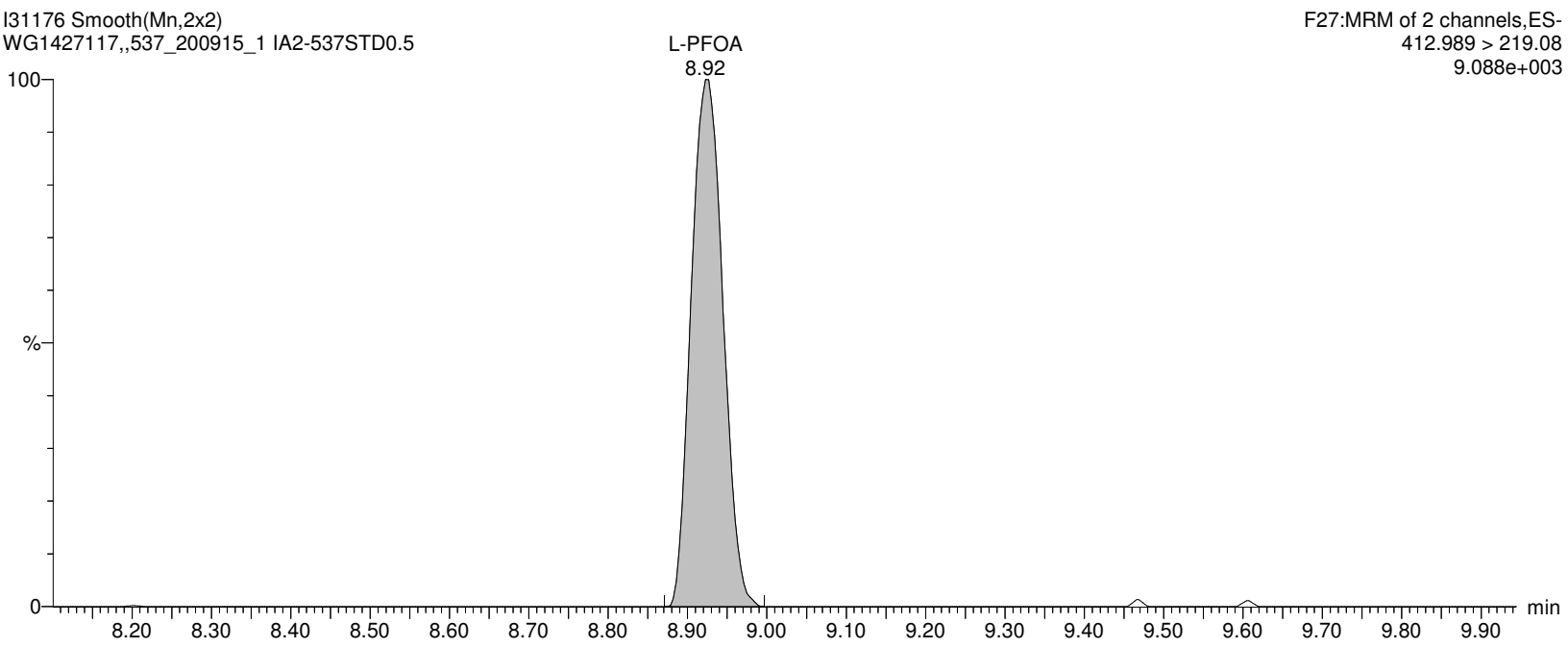

all concentration units in (ng/mL)

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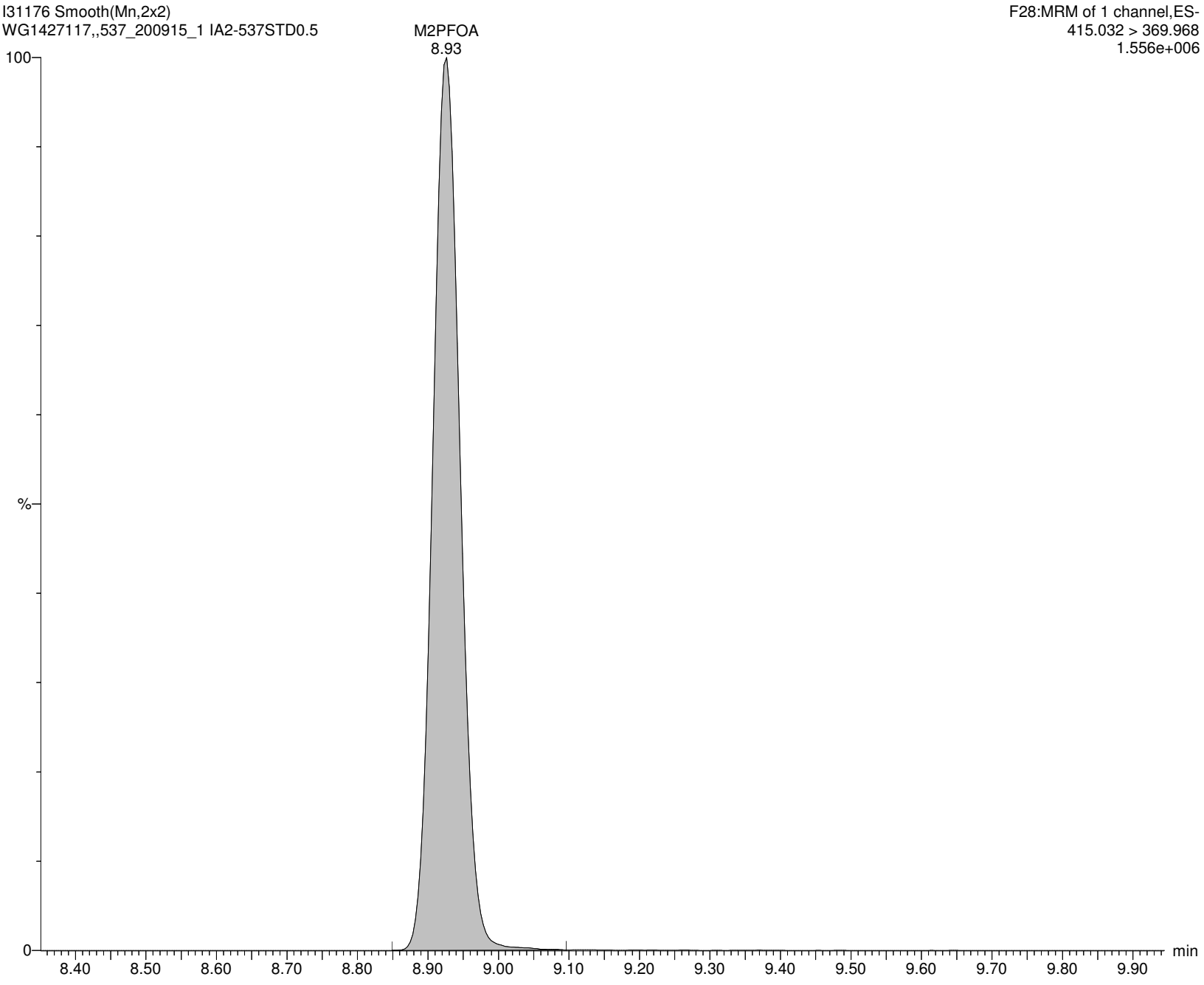

all concentration units in (ng/mL)

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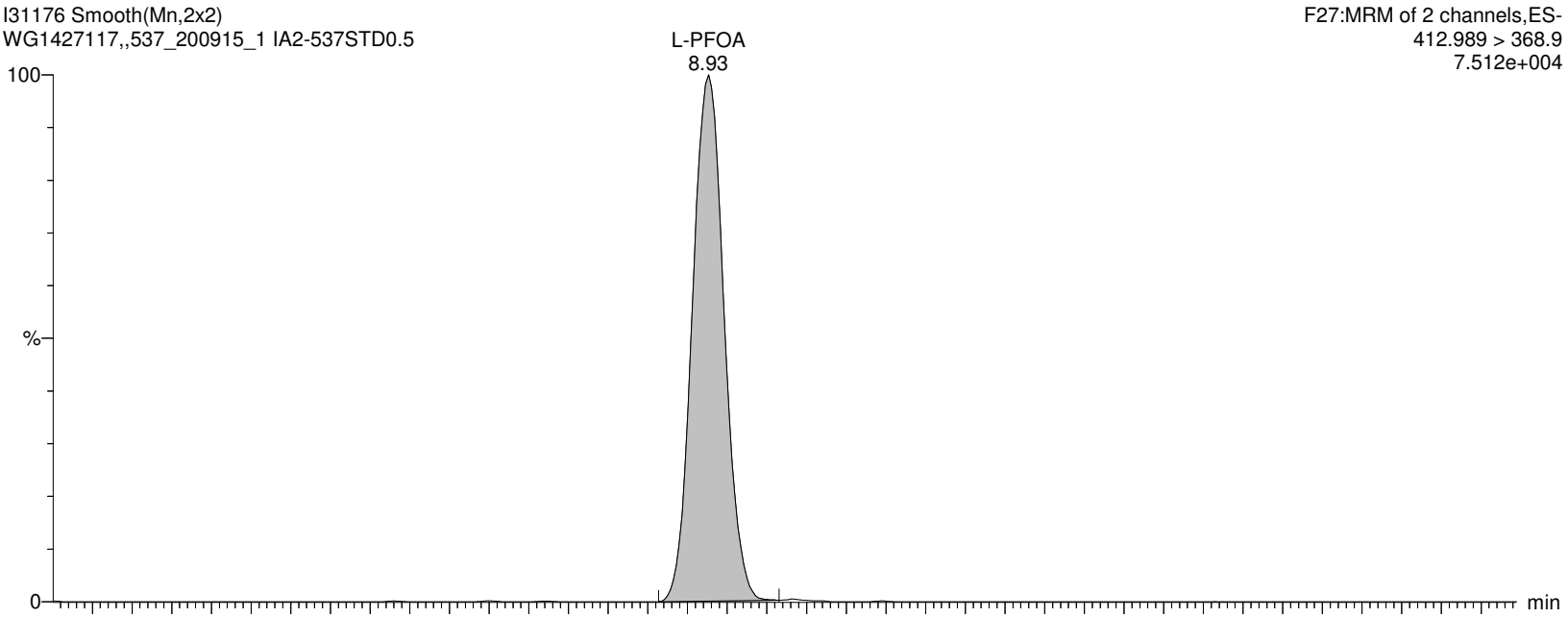

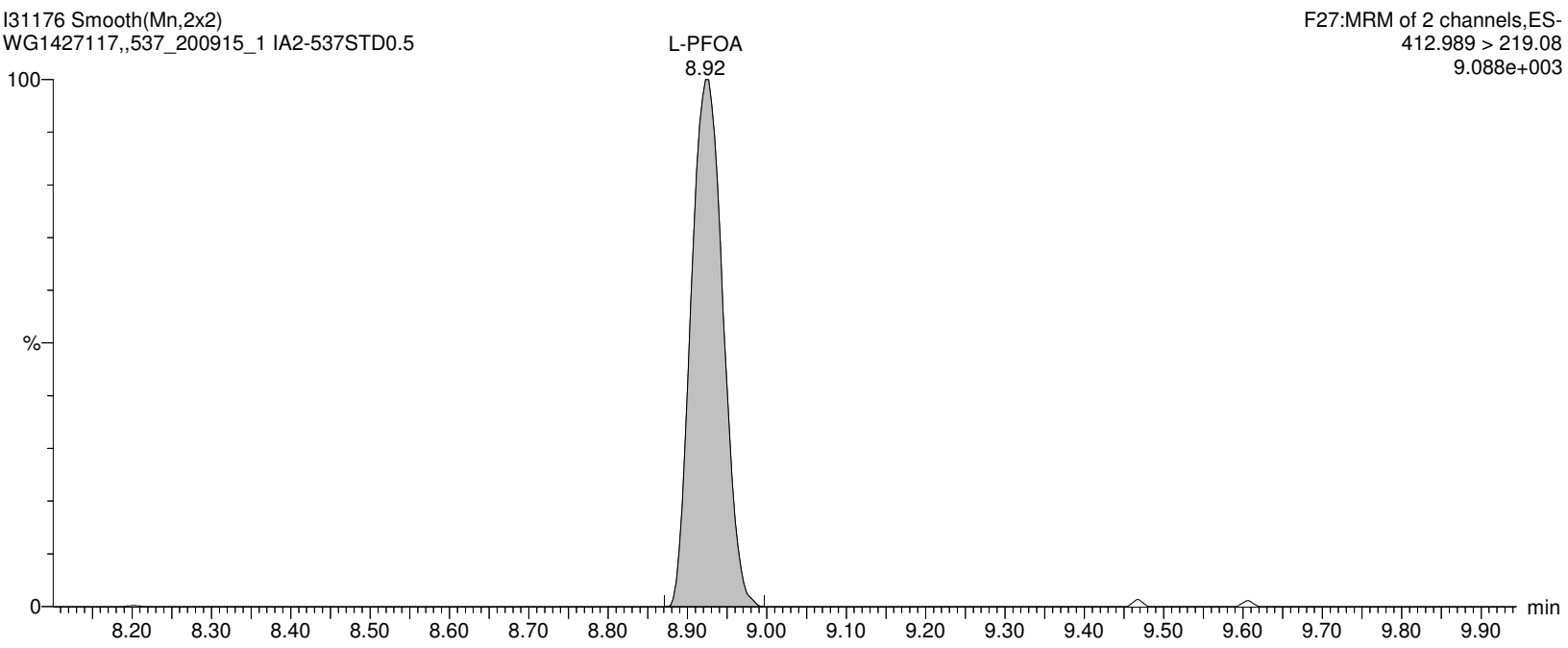

all concentration units in (ng/mL)

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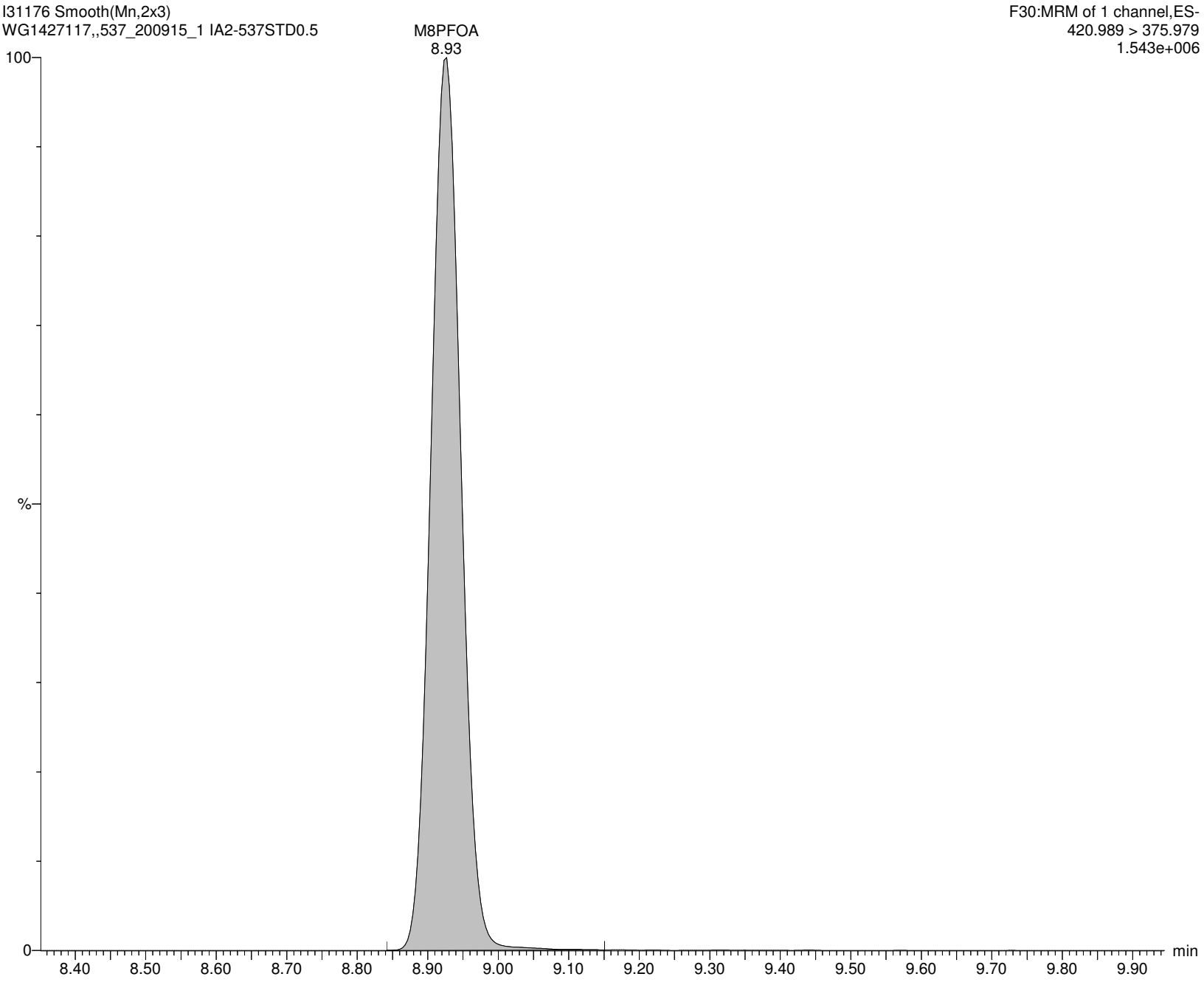

all concentration units in (ng/mL)

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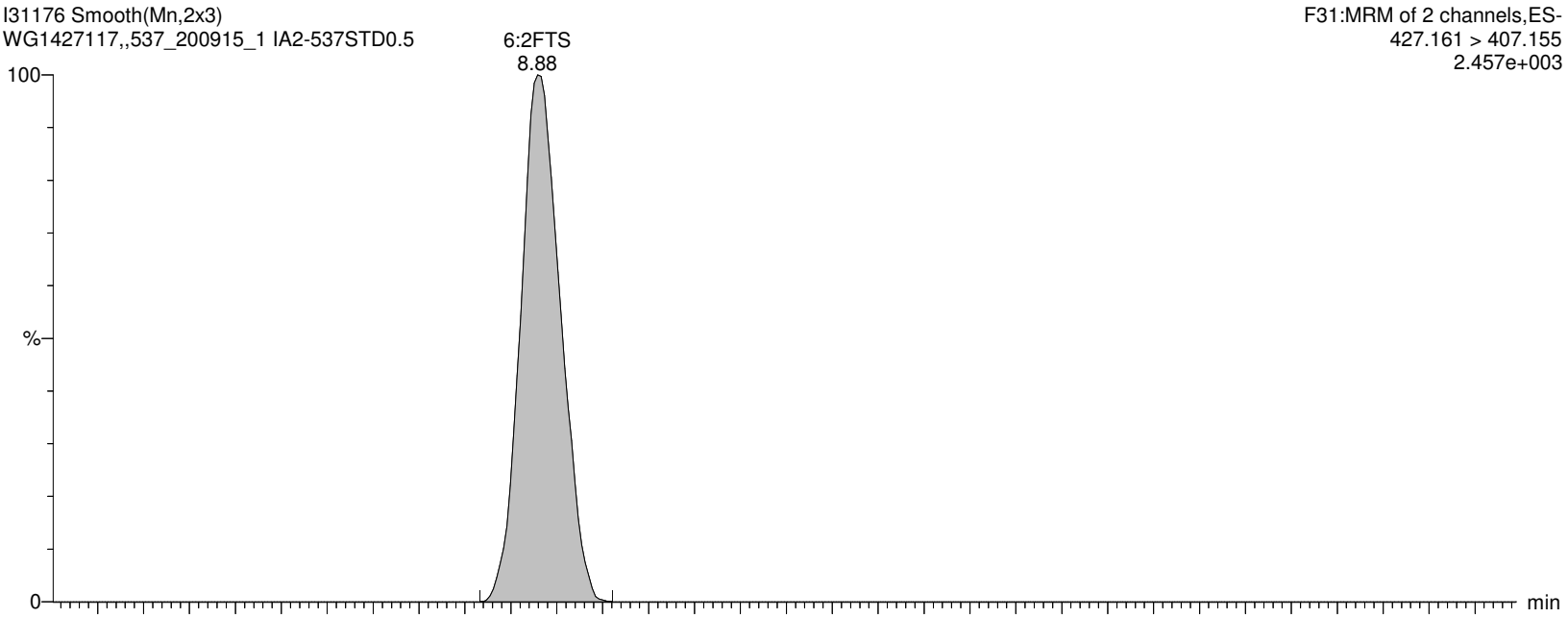

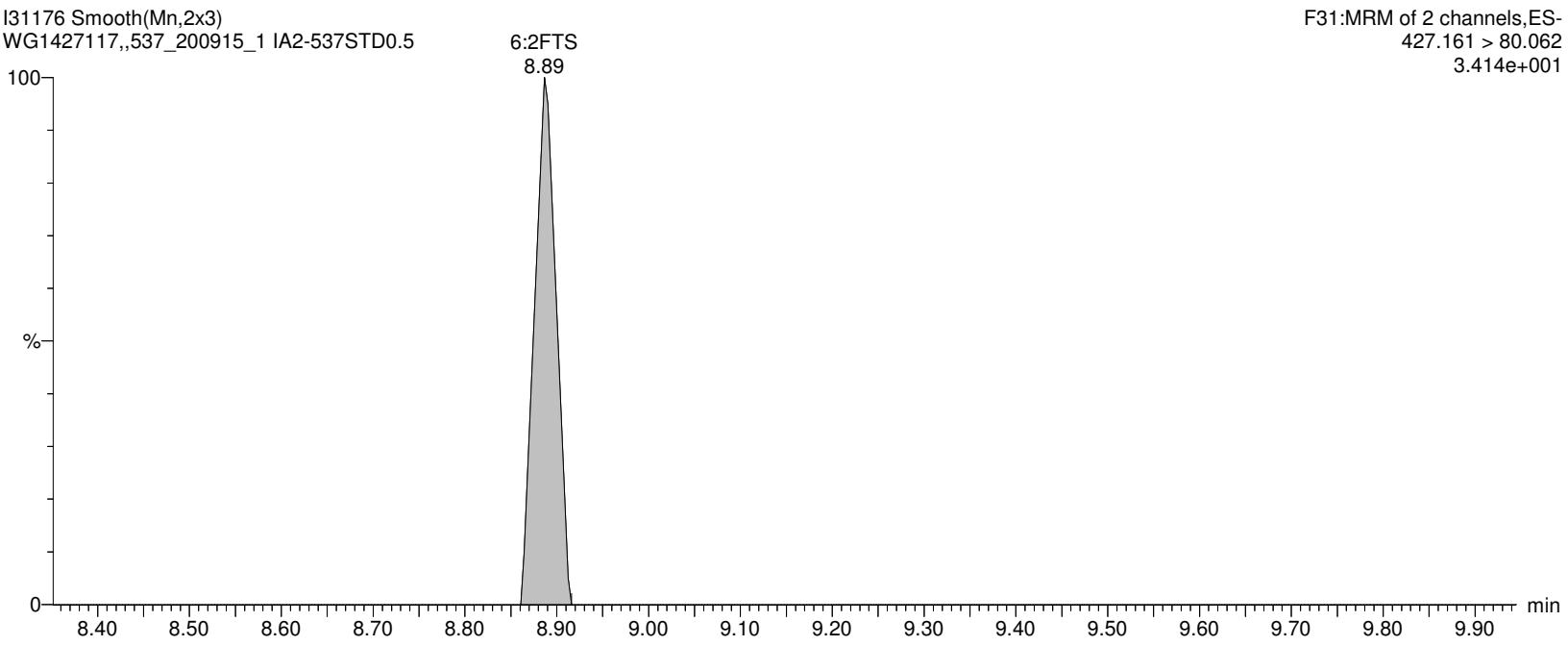

all concentration units in (ng/mL)

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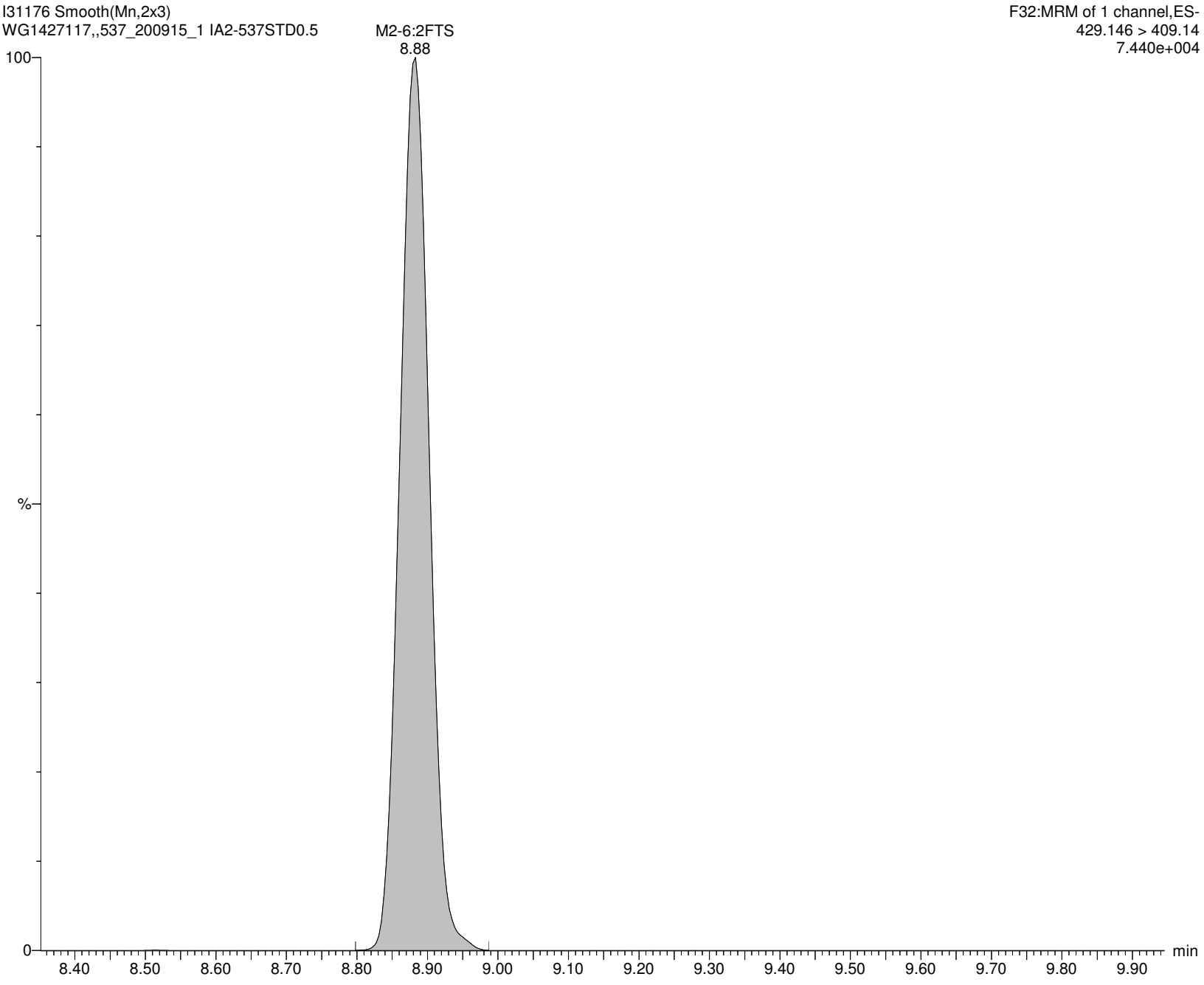

all concentration units in (ng/mL)

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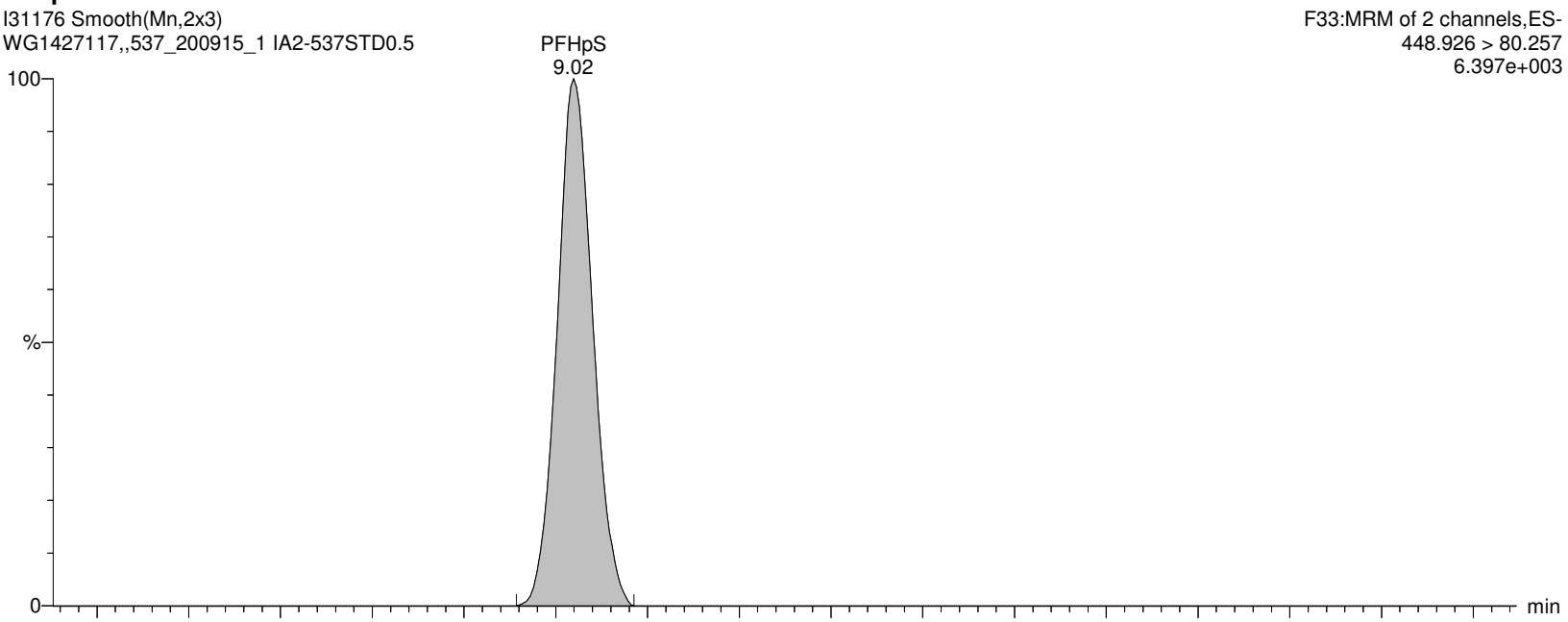

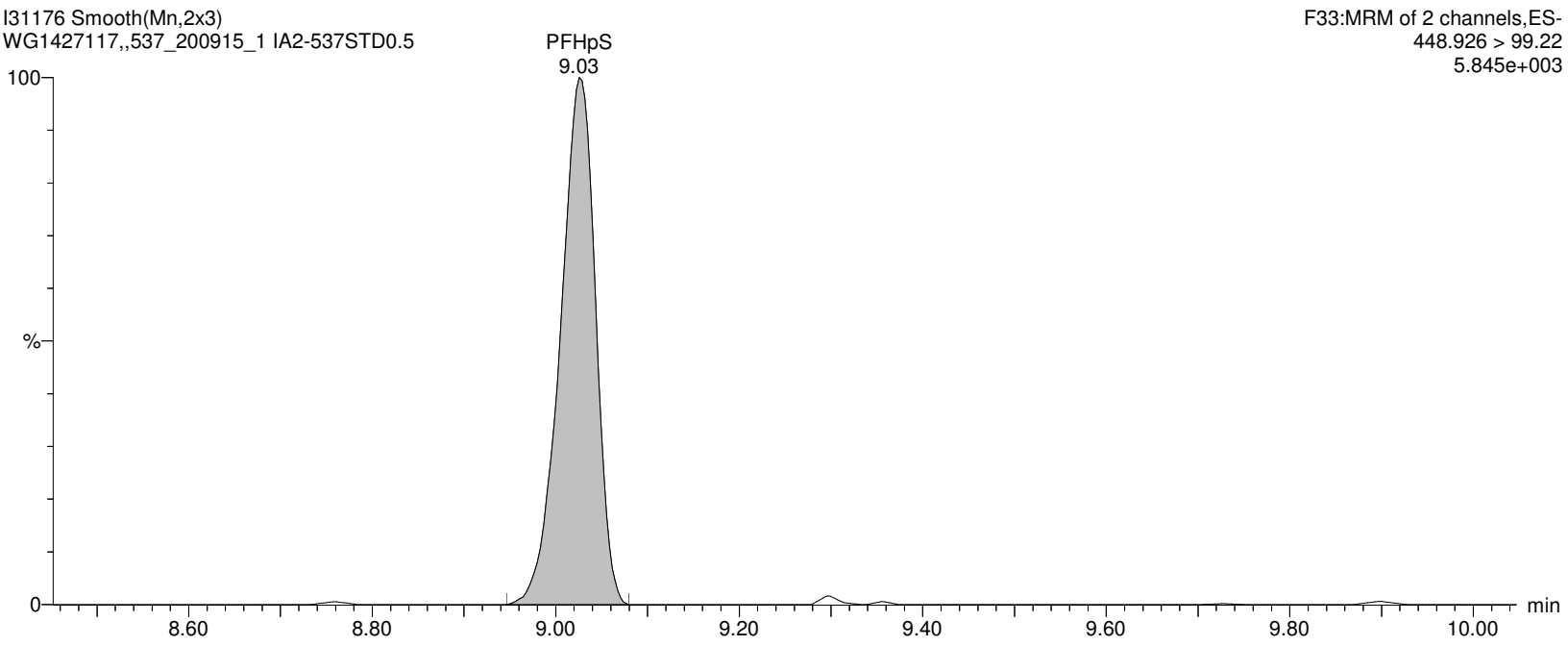

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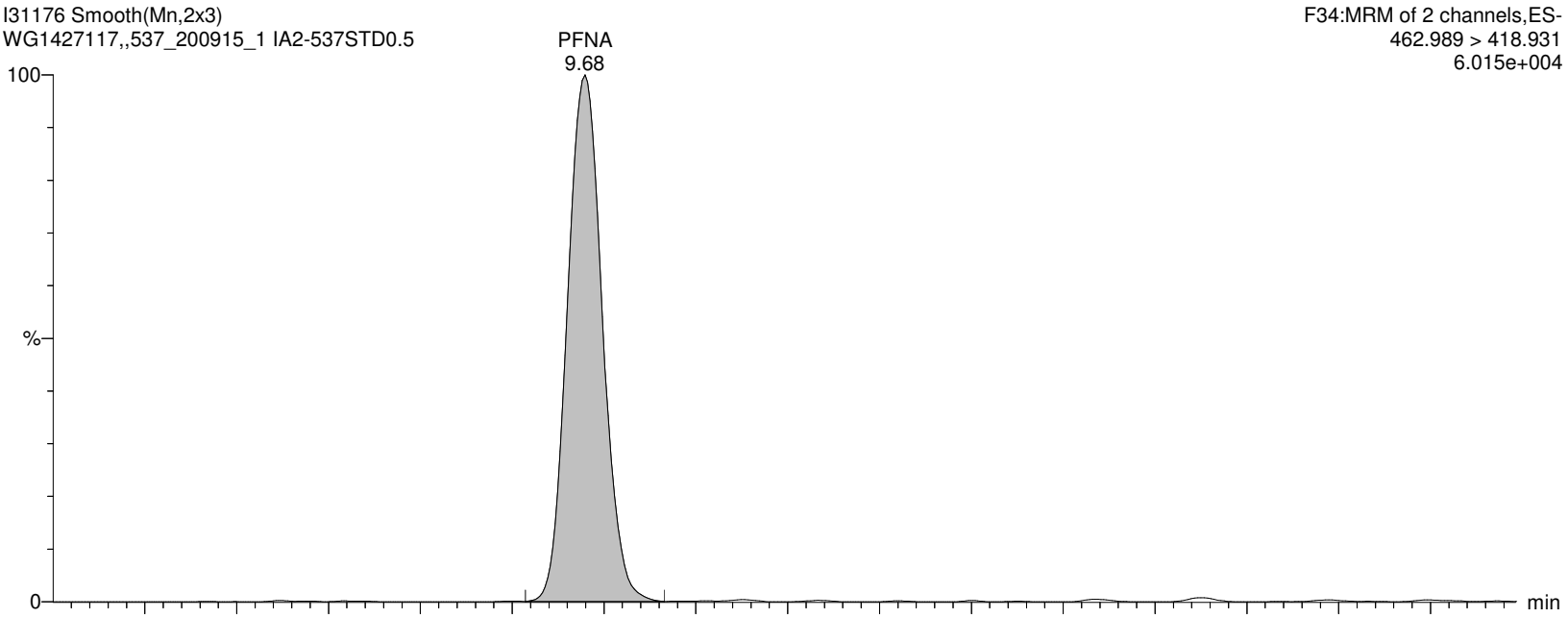

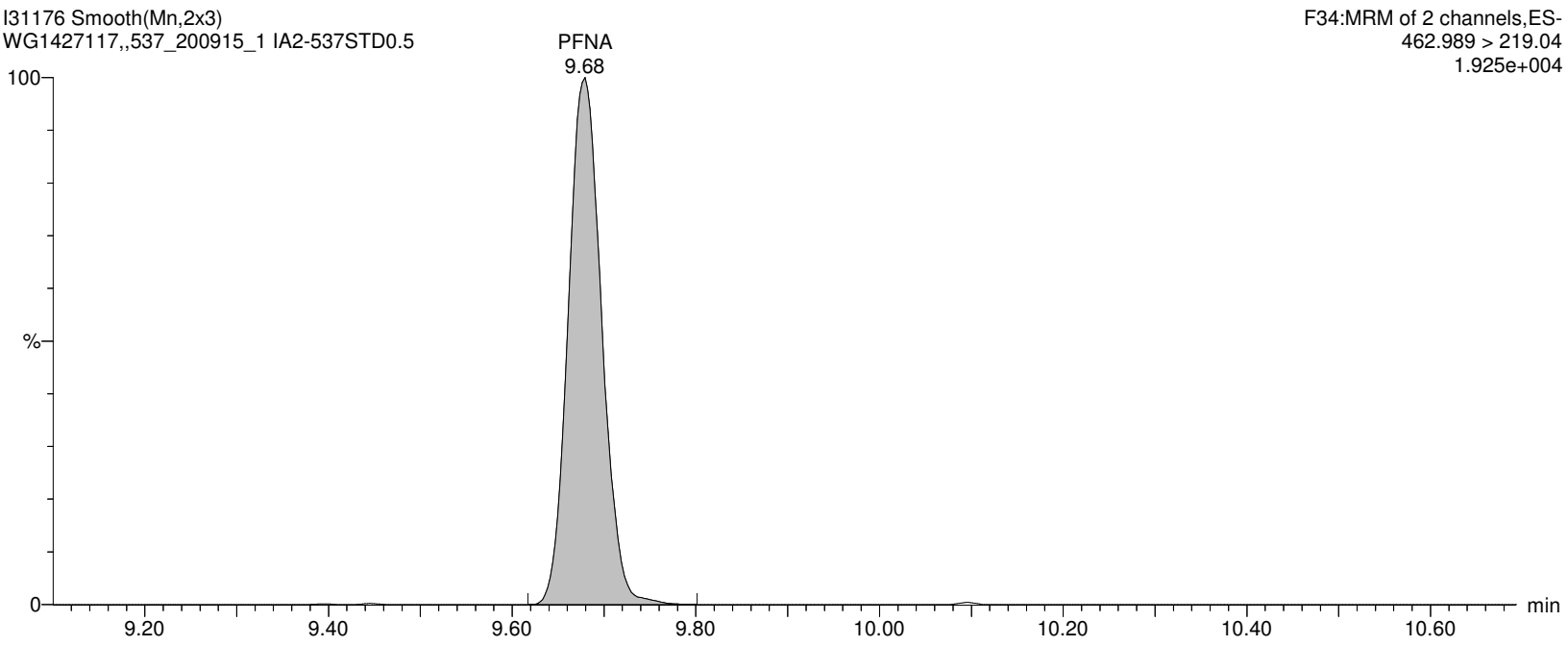

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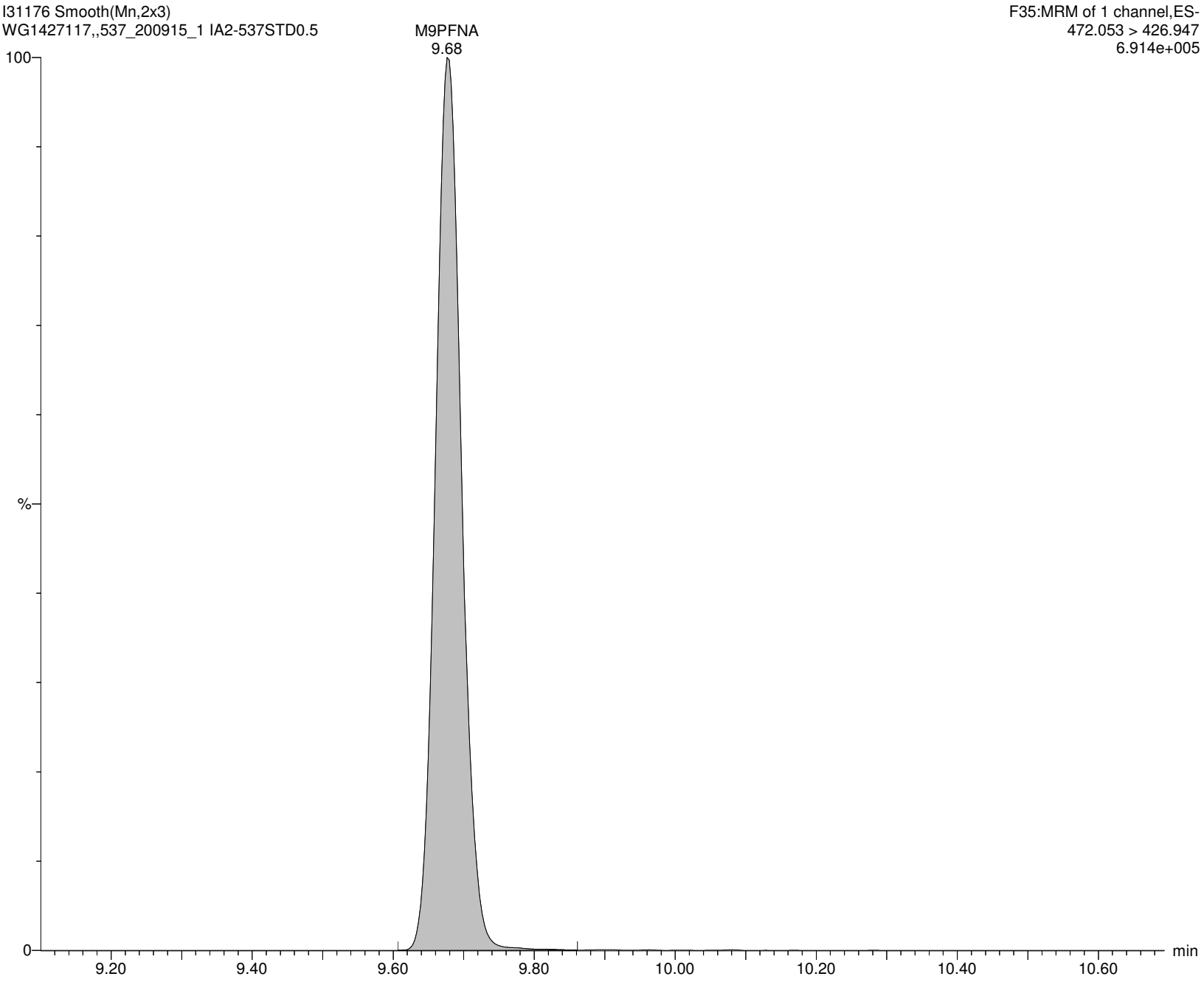
M9PFNA



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:15:17 Eastern Daylight Time

Name: I31176
ID: IA2-537STD0.5
Date: 27-Oct-2020
Time: 17:40:30
Description: WG1427117,,537_200915_1
User: LCMS02:JW
Vial: 1:A,2
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\200520_TUNE.IPR
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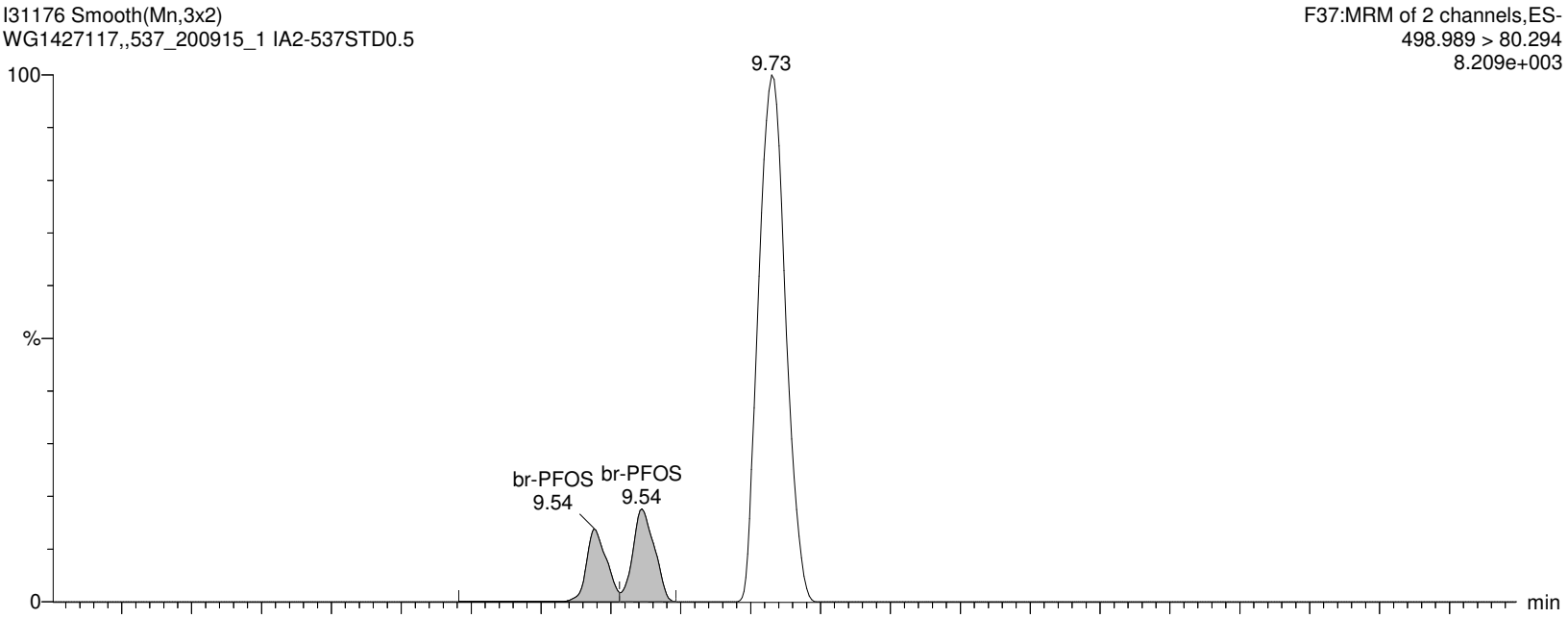

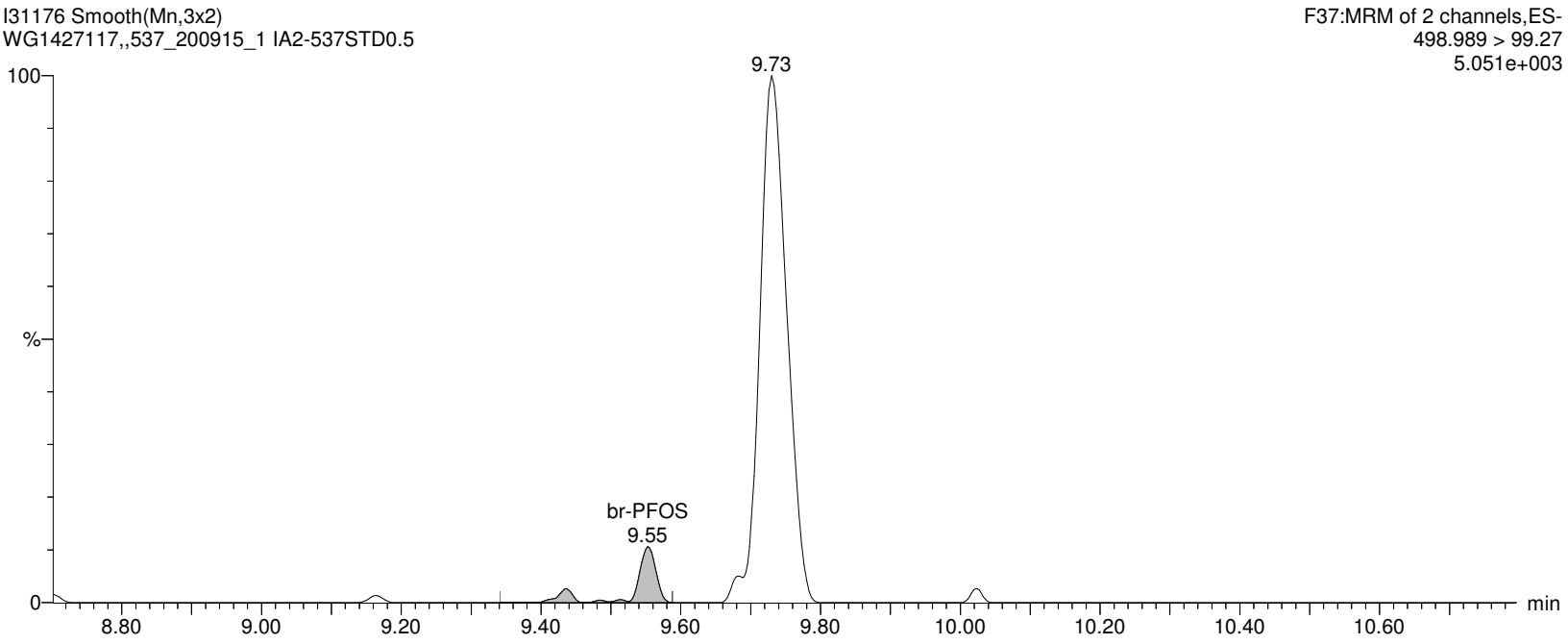

all concentration units in (ng/mL)

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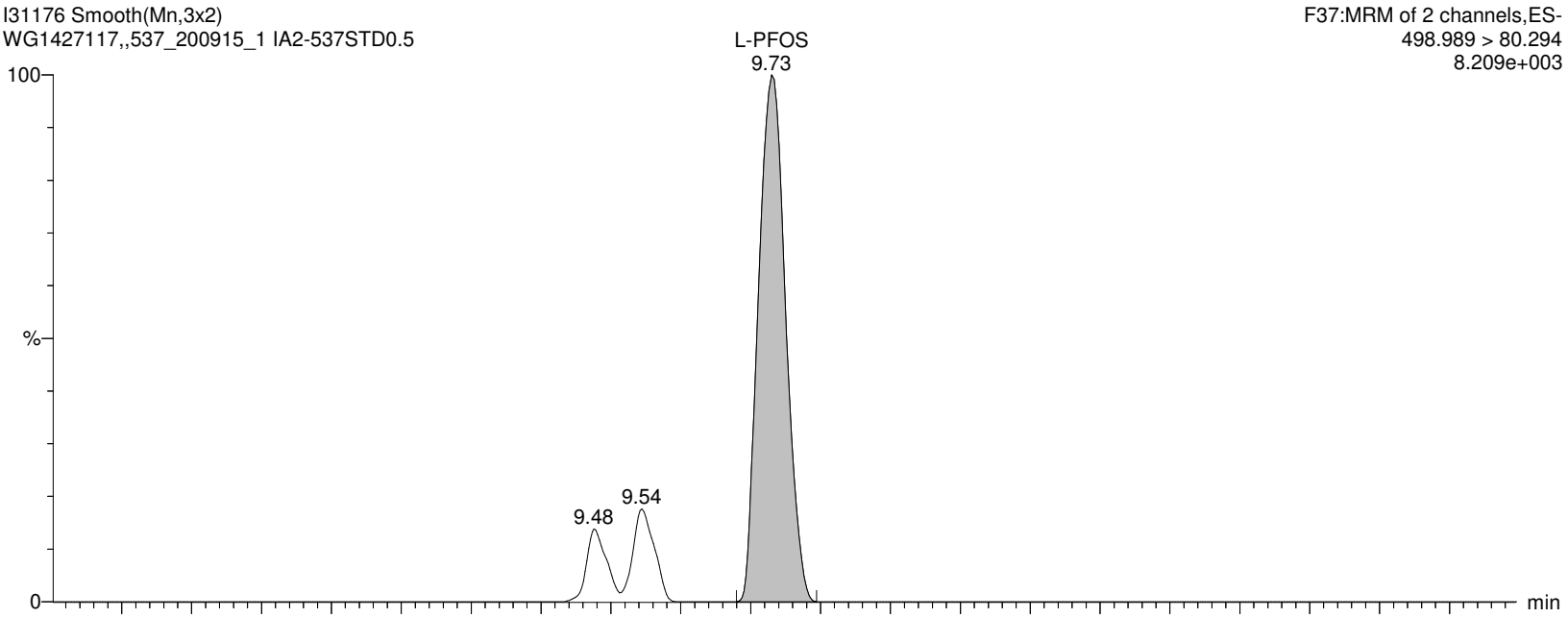

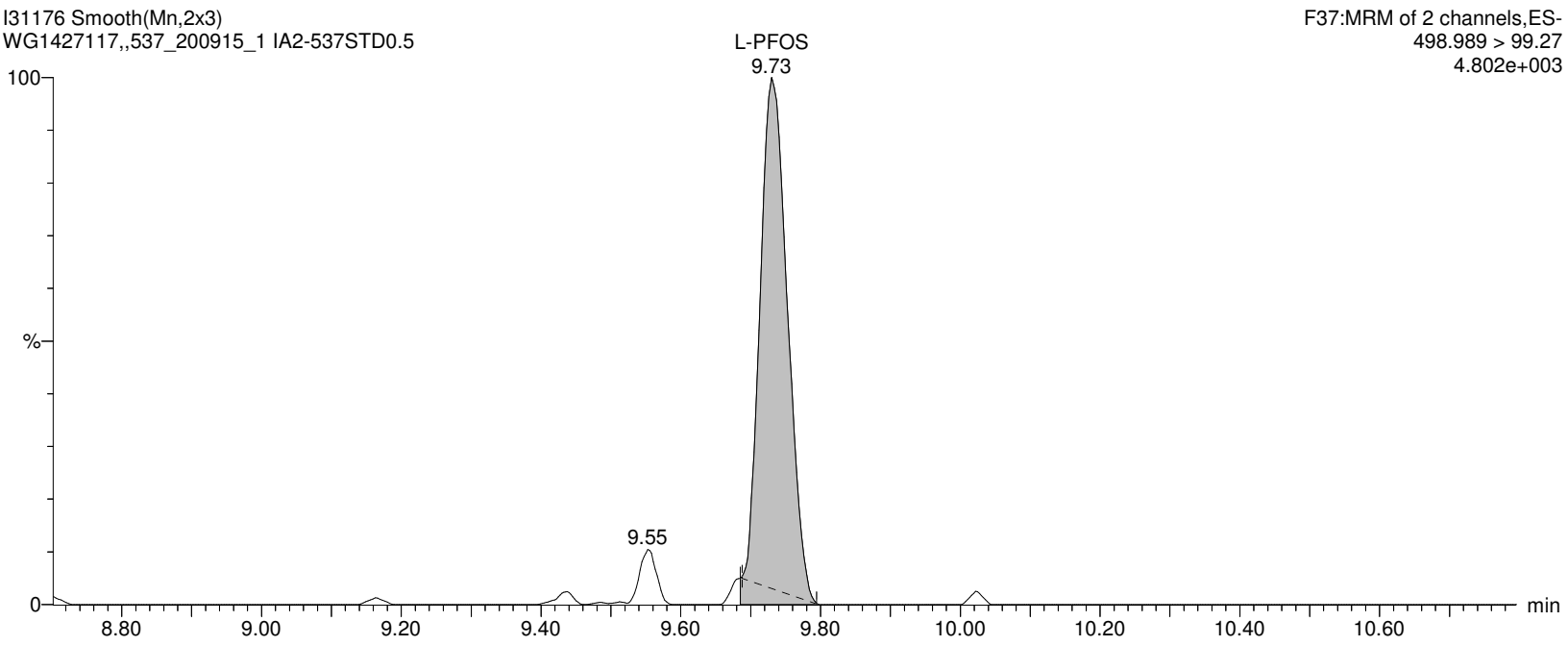

all concentration units in (ng/mL)

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Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
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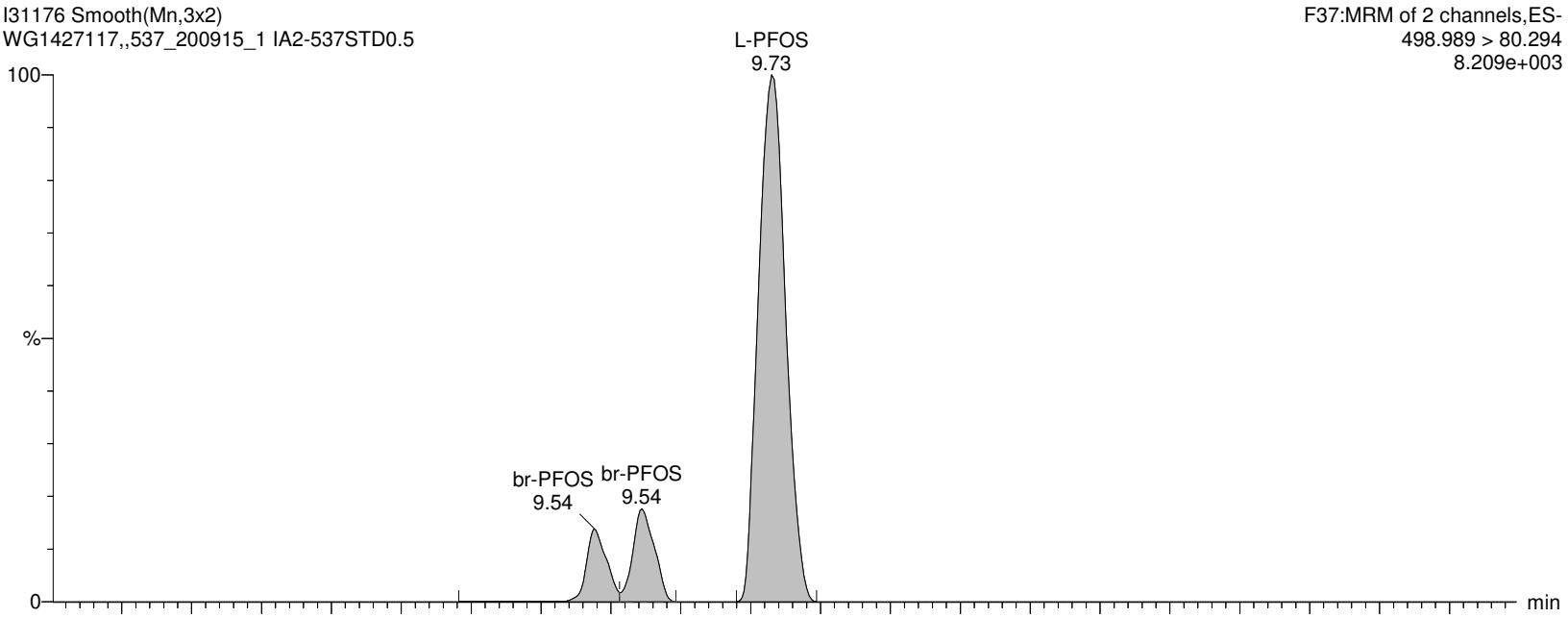

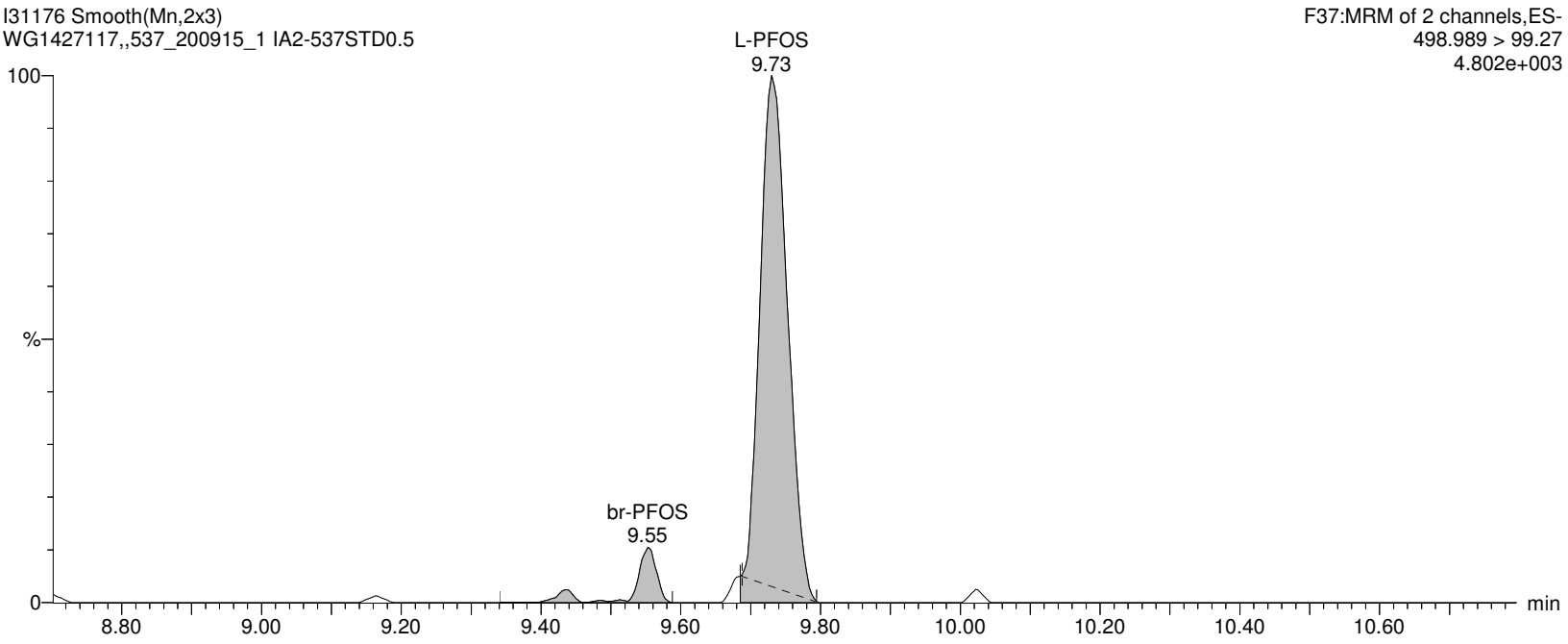

all concentration units in (ng/mL)

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Vial: 1:A,2
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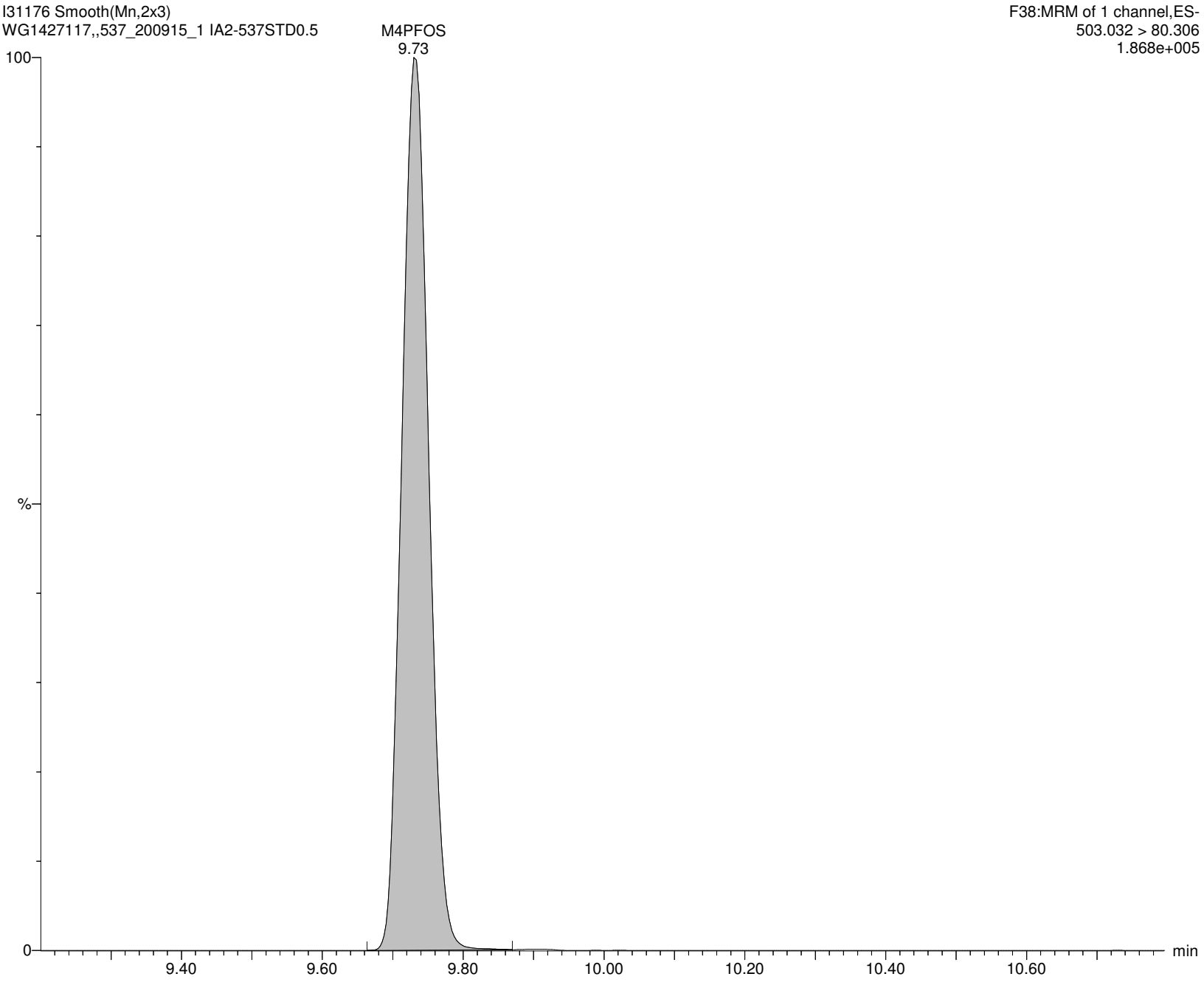
M4PFOS



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
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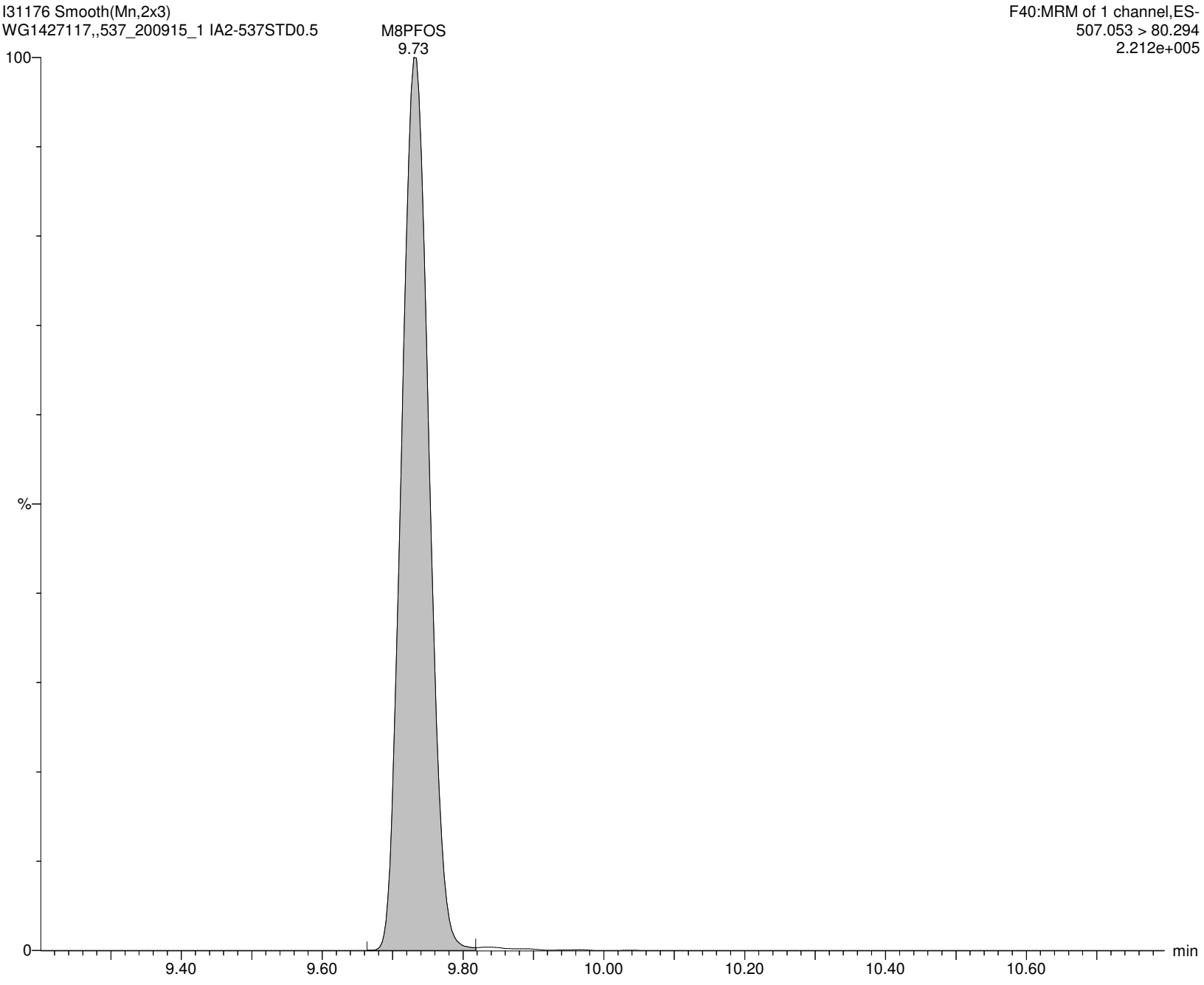
M8PFOS



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
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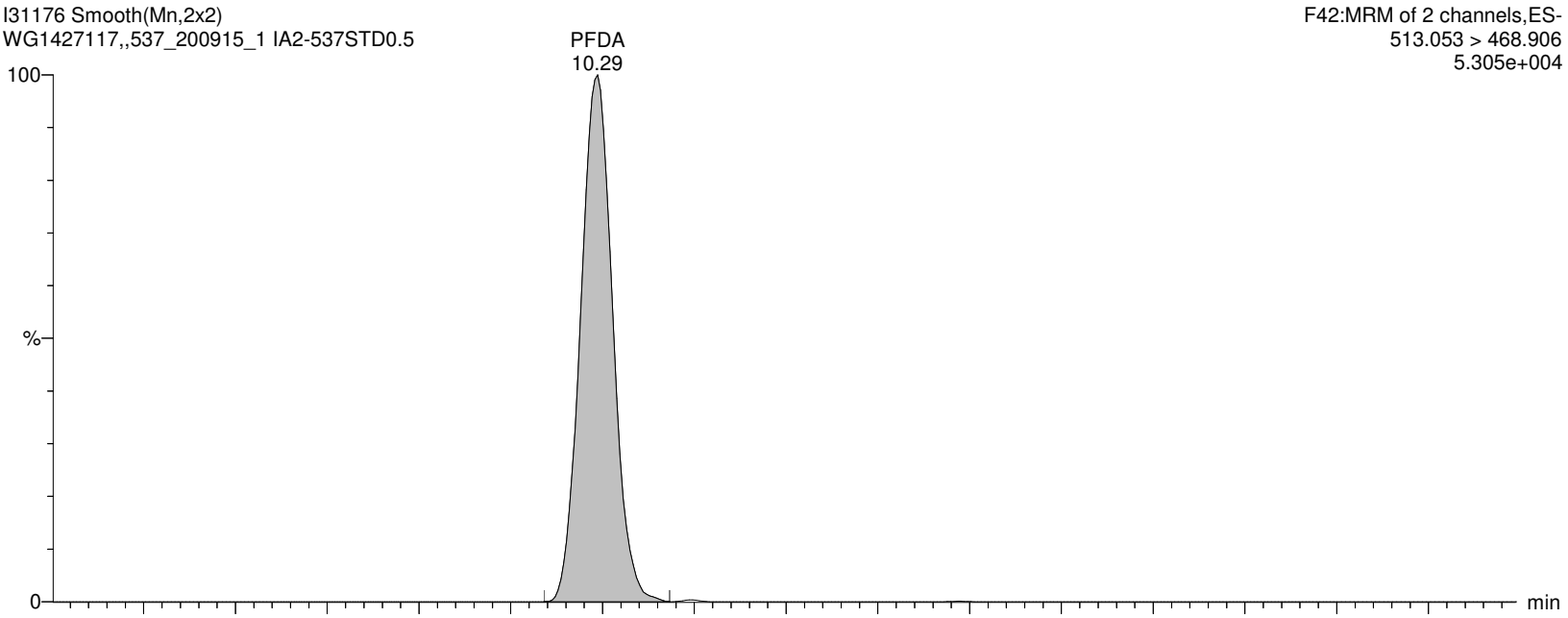

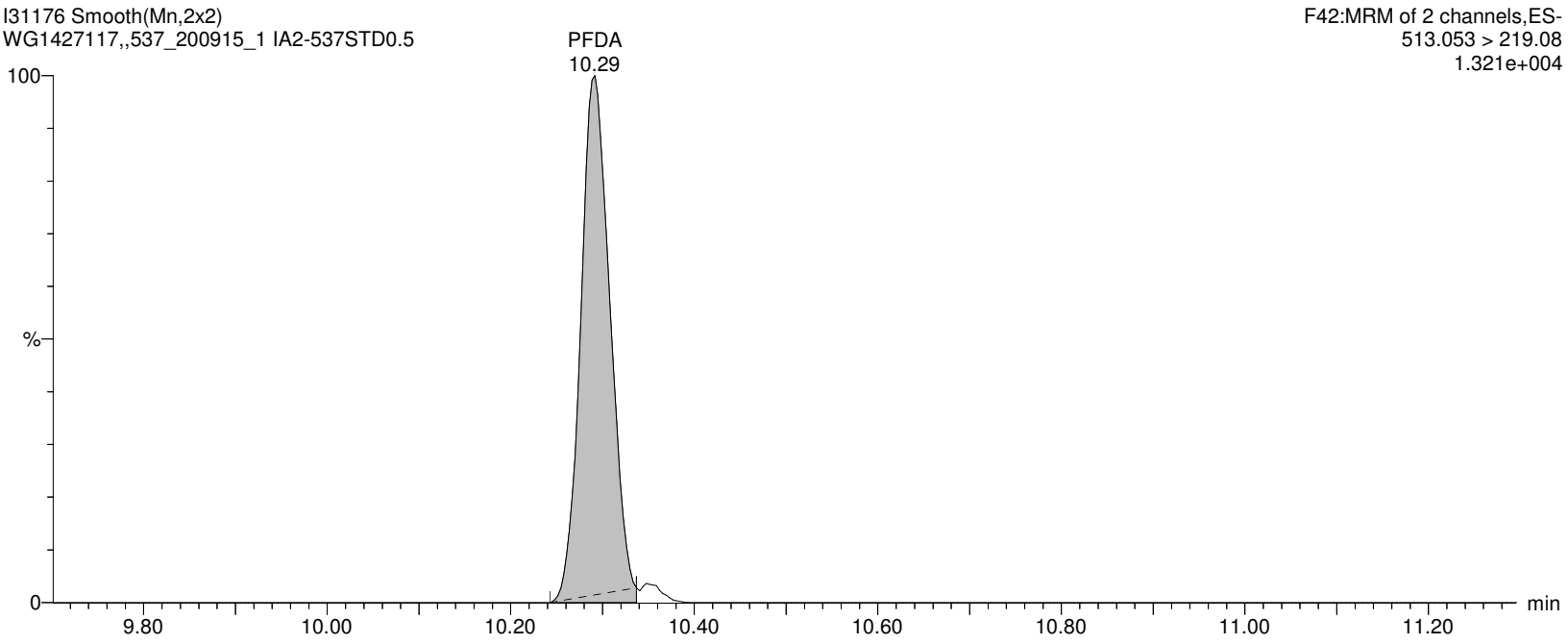

all concentration units in (ng/mL)

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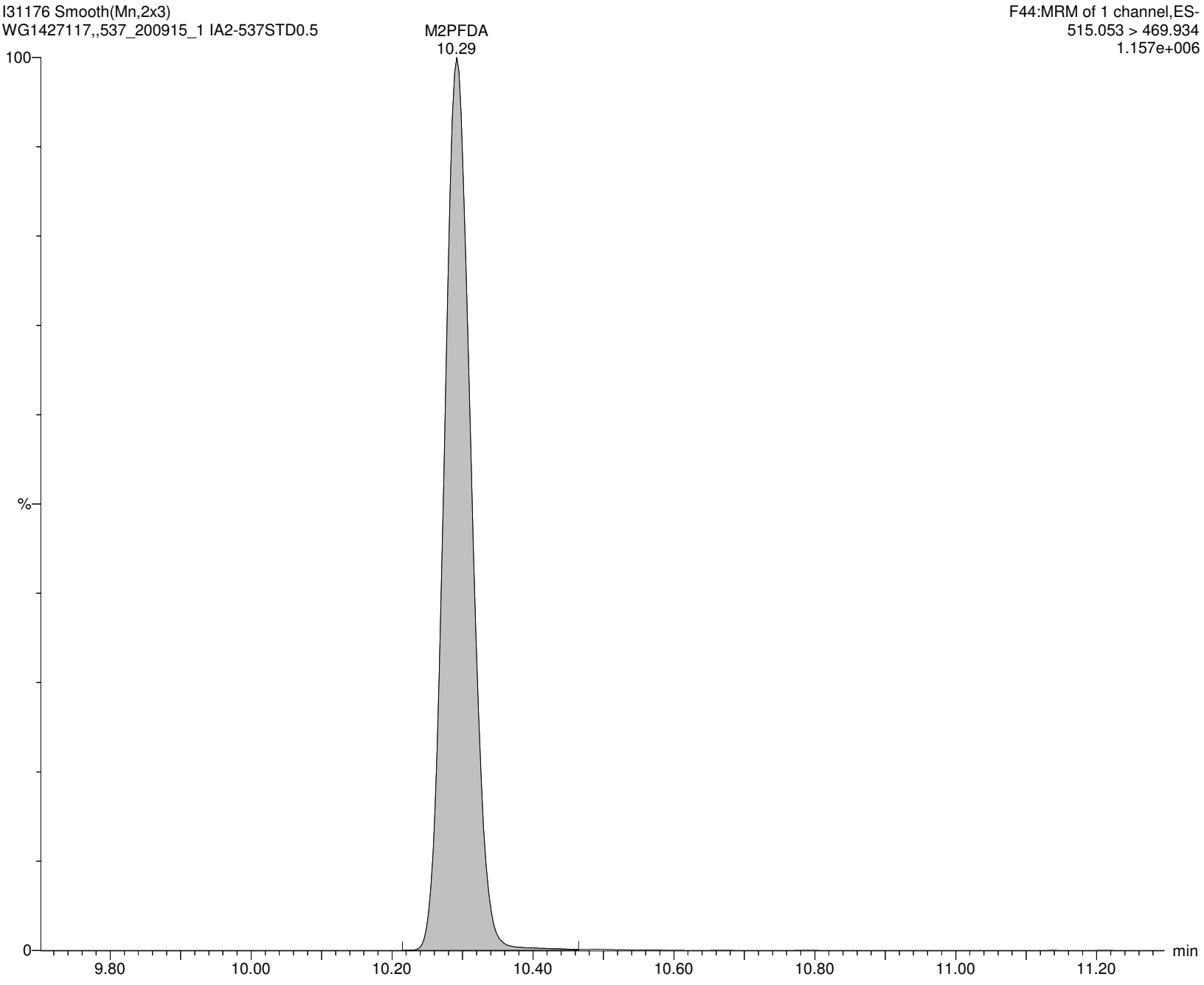
M2PFDA



all concentration units in (ng/mL)

Alpha Analytical Inc.
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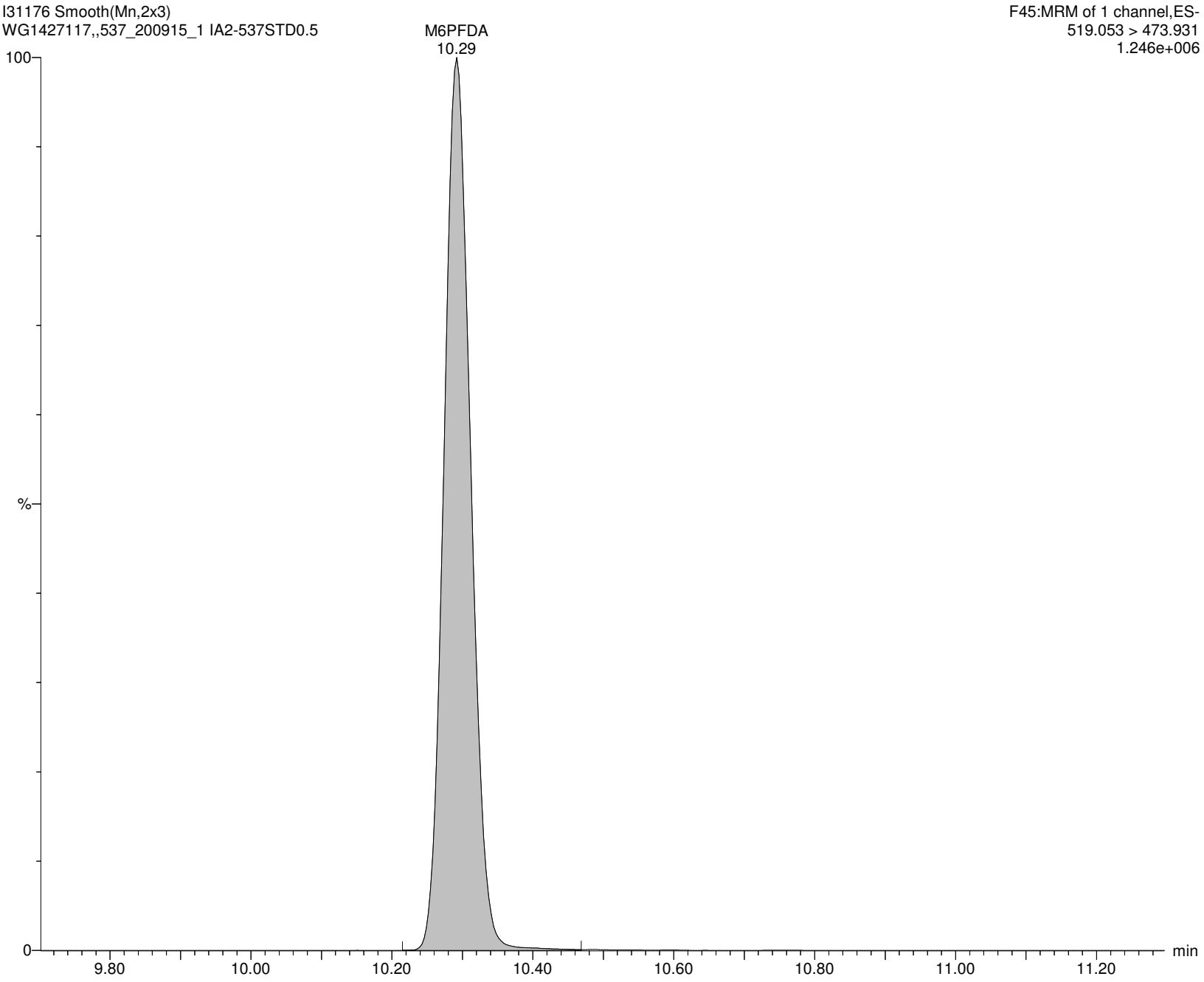
M6PFDA



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
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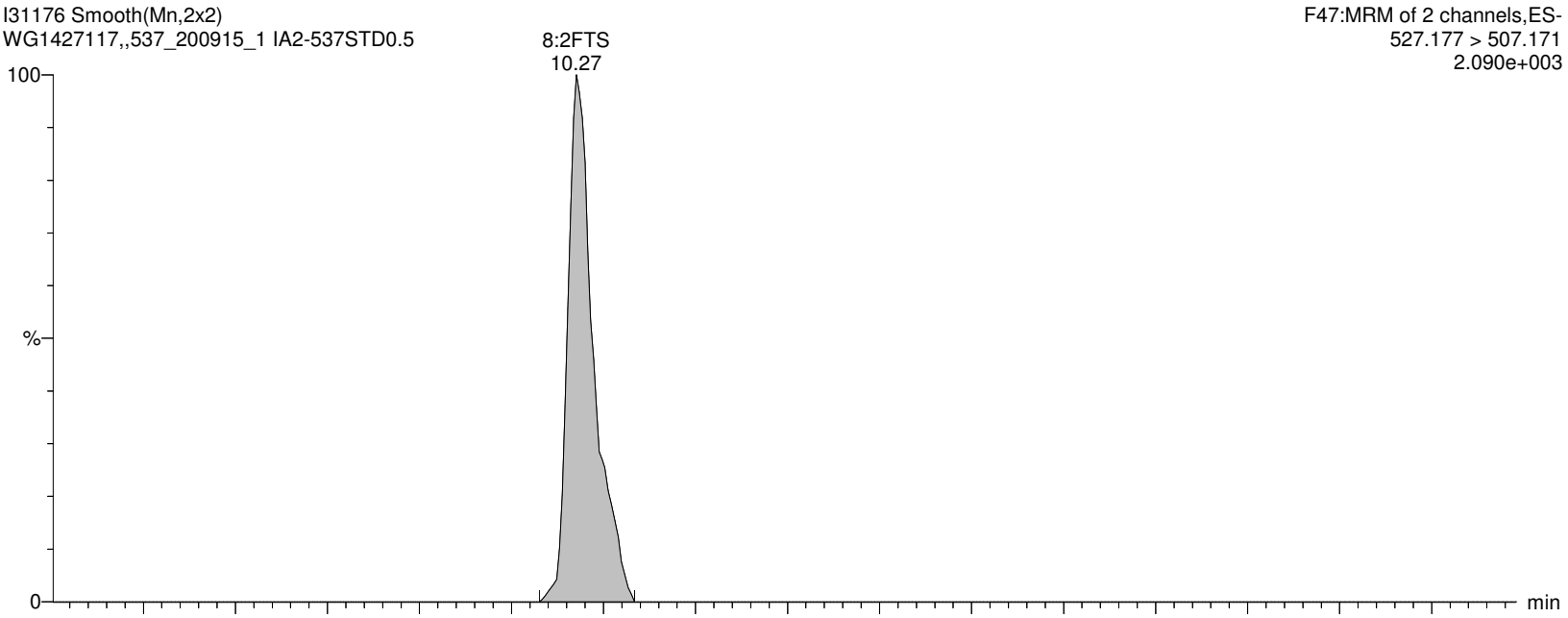
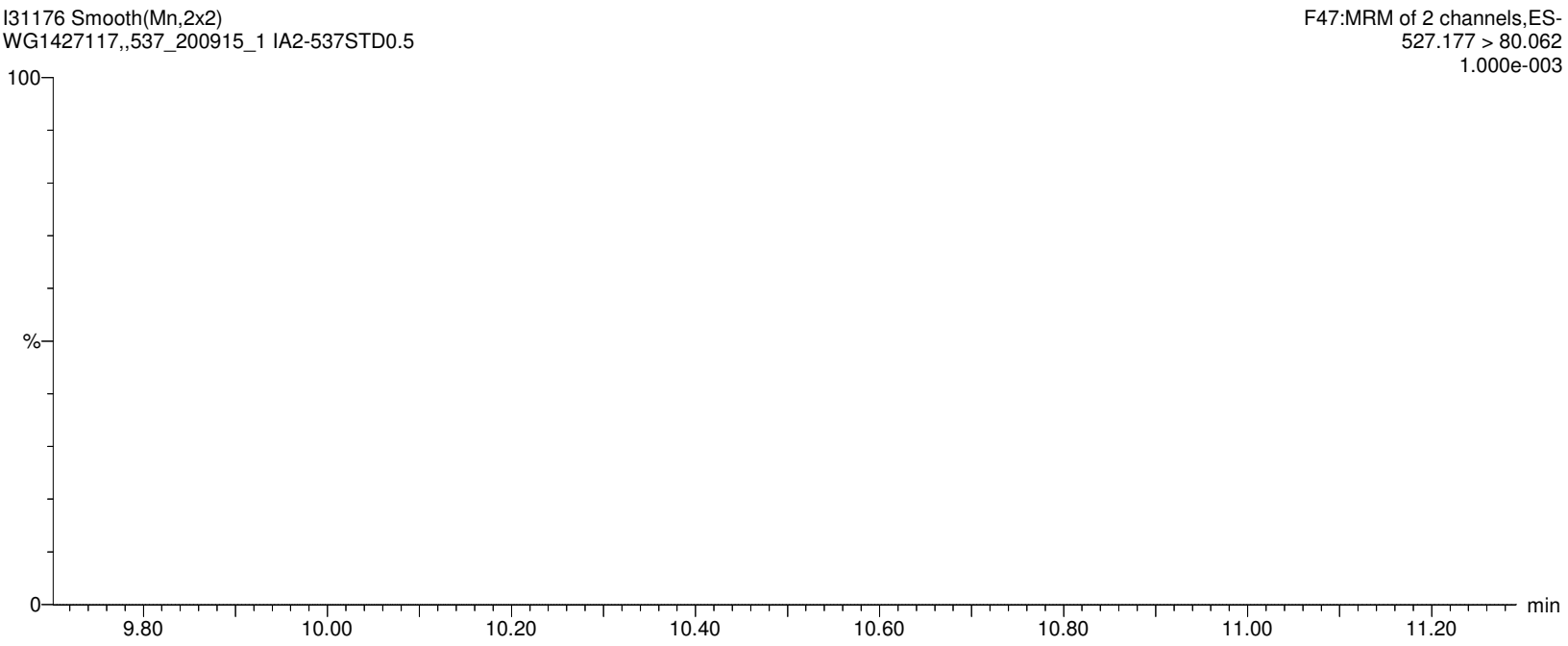
8:2FTS





all concentration units in (ng/mL)

Alpha Analytical Inc.
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Date: 27-Oct-2020
Time: 17:40:30
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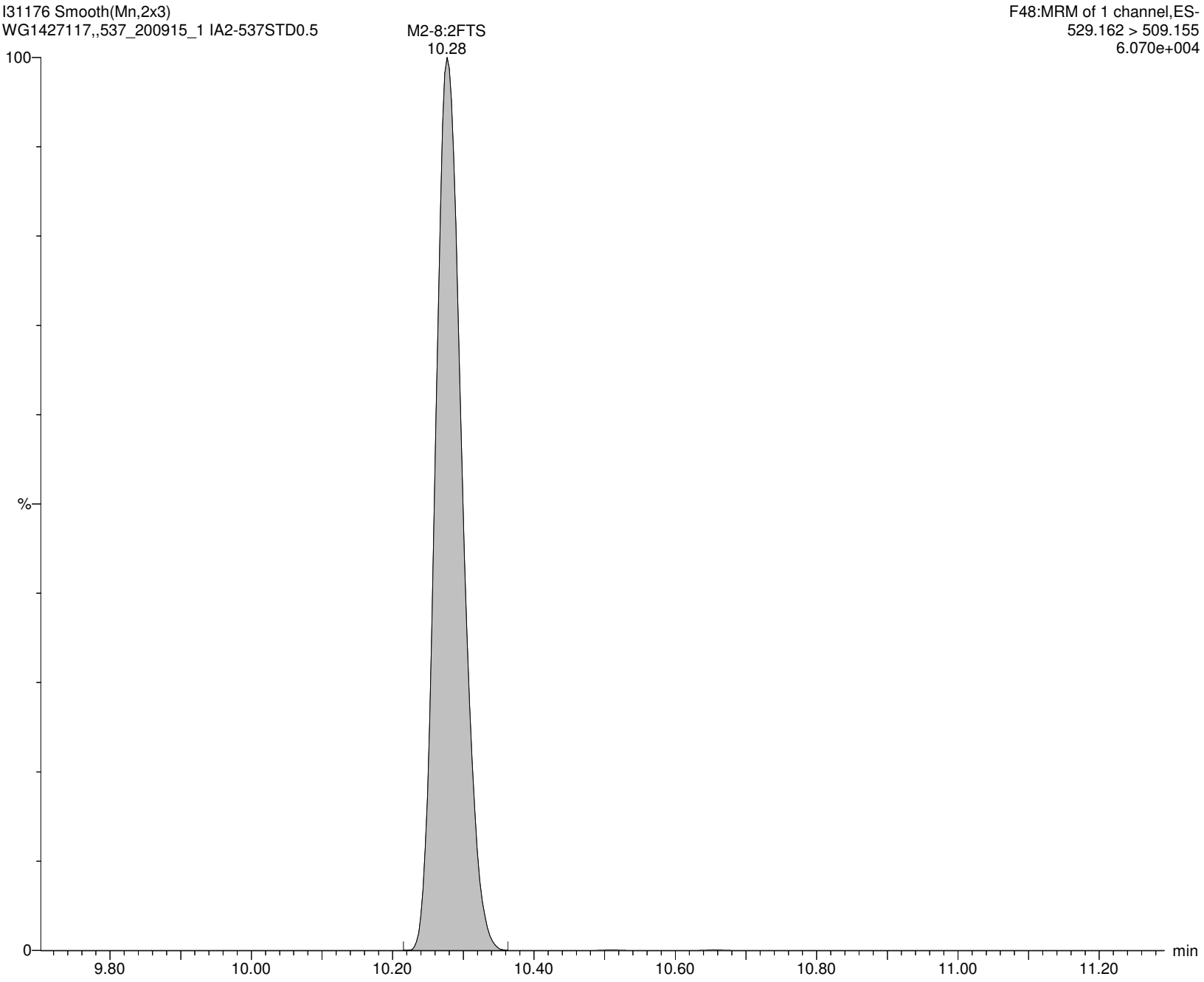
M2-8:2FTS



all concentration units in (ng/mL)

Alpha Analytical Inc.
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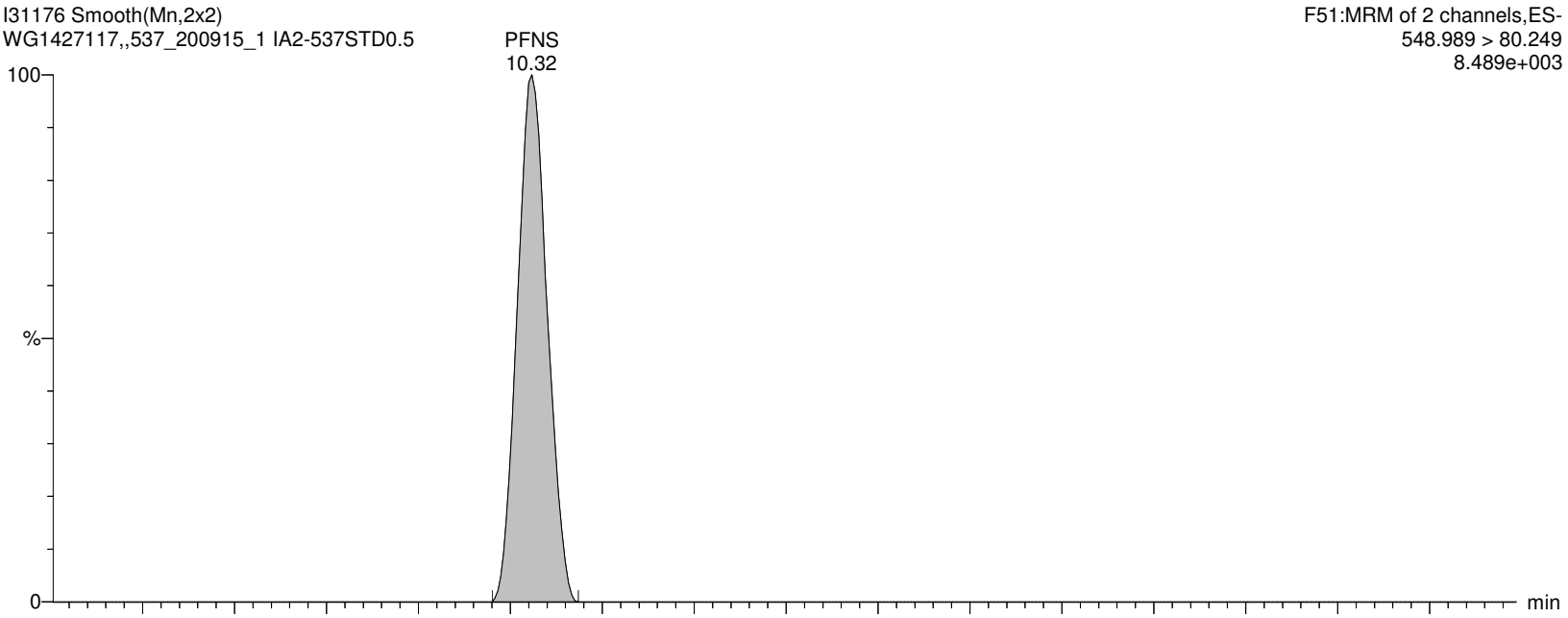

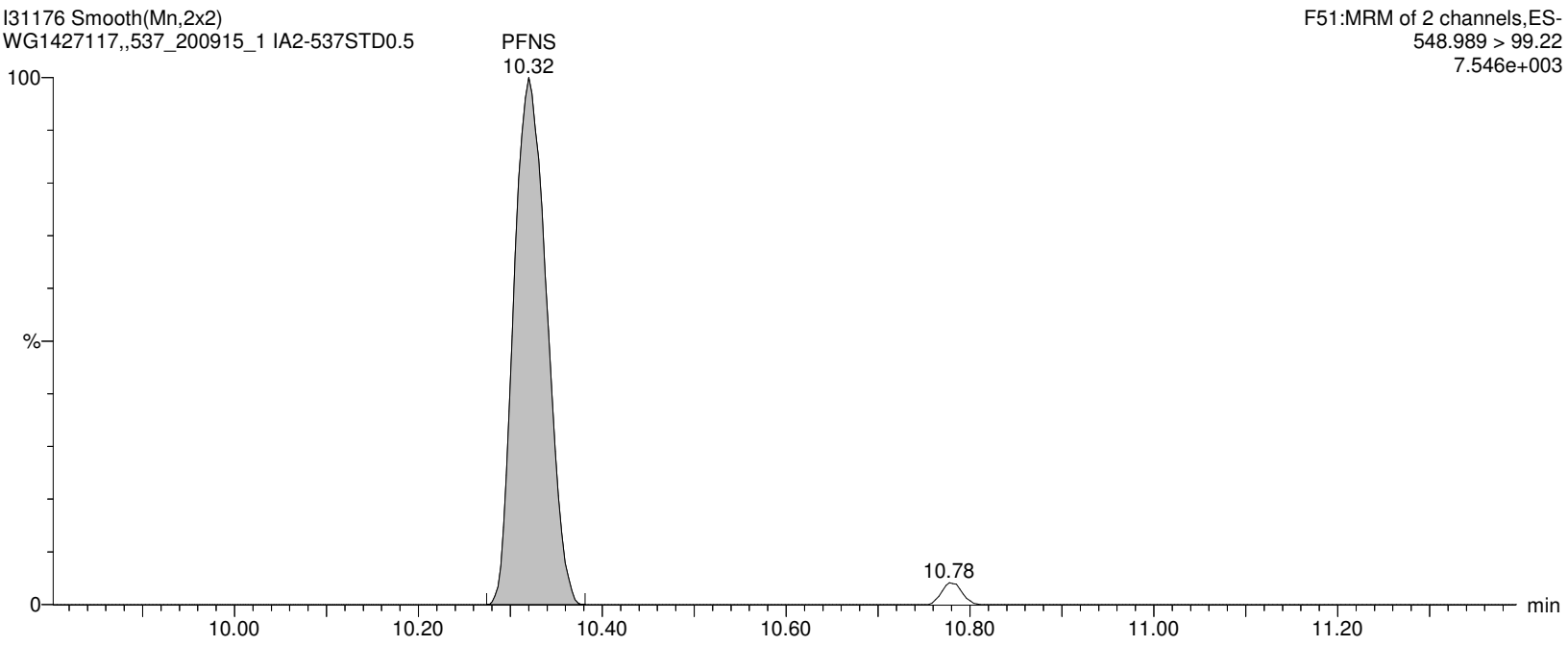

all concentration units in (ng/mL)

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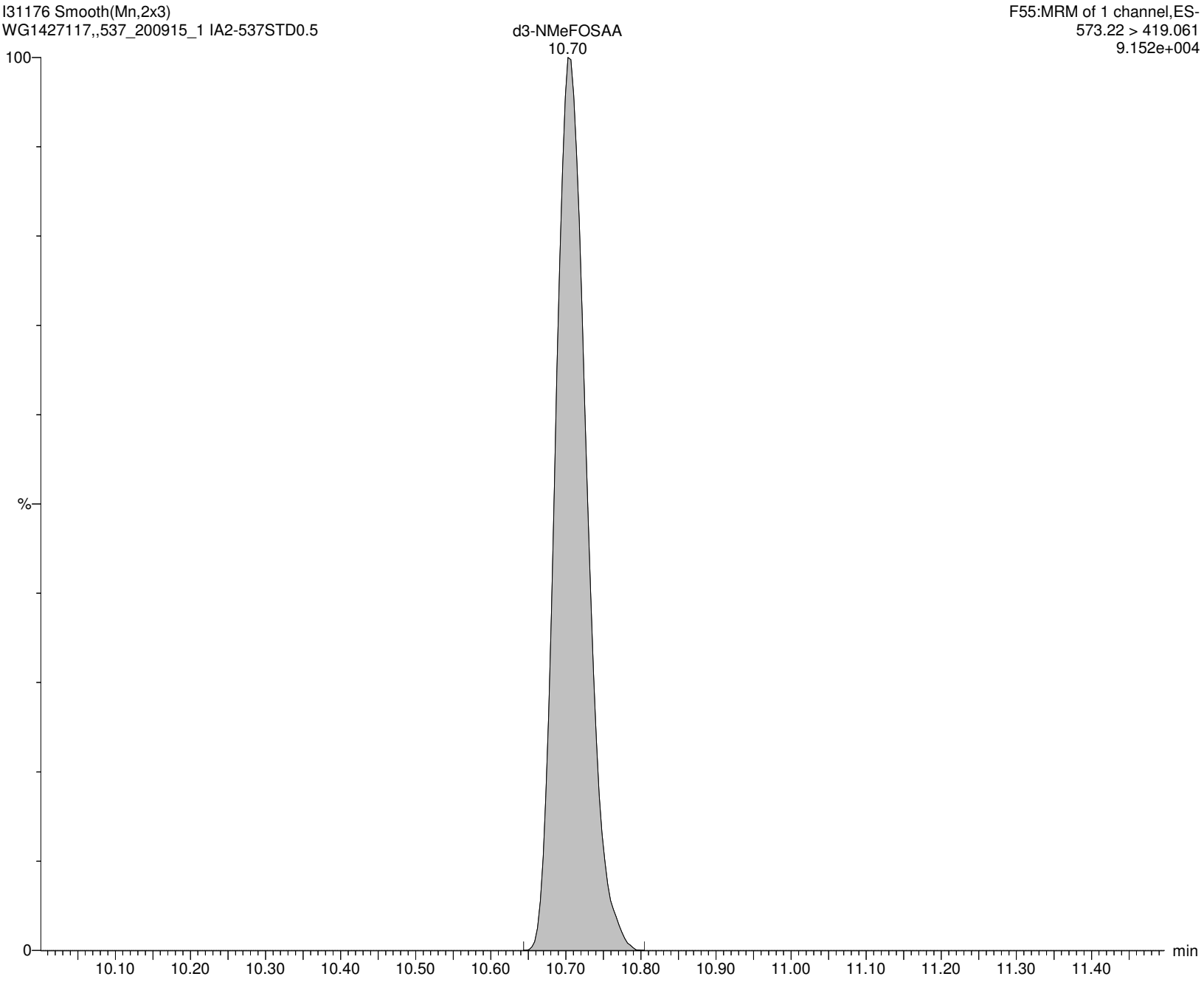

all concentration units in (ng/mL)

Alpha Analytical Inc.
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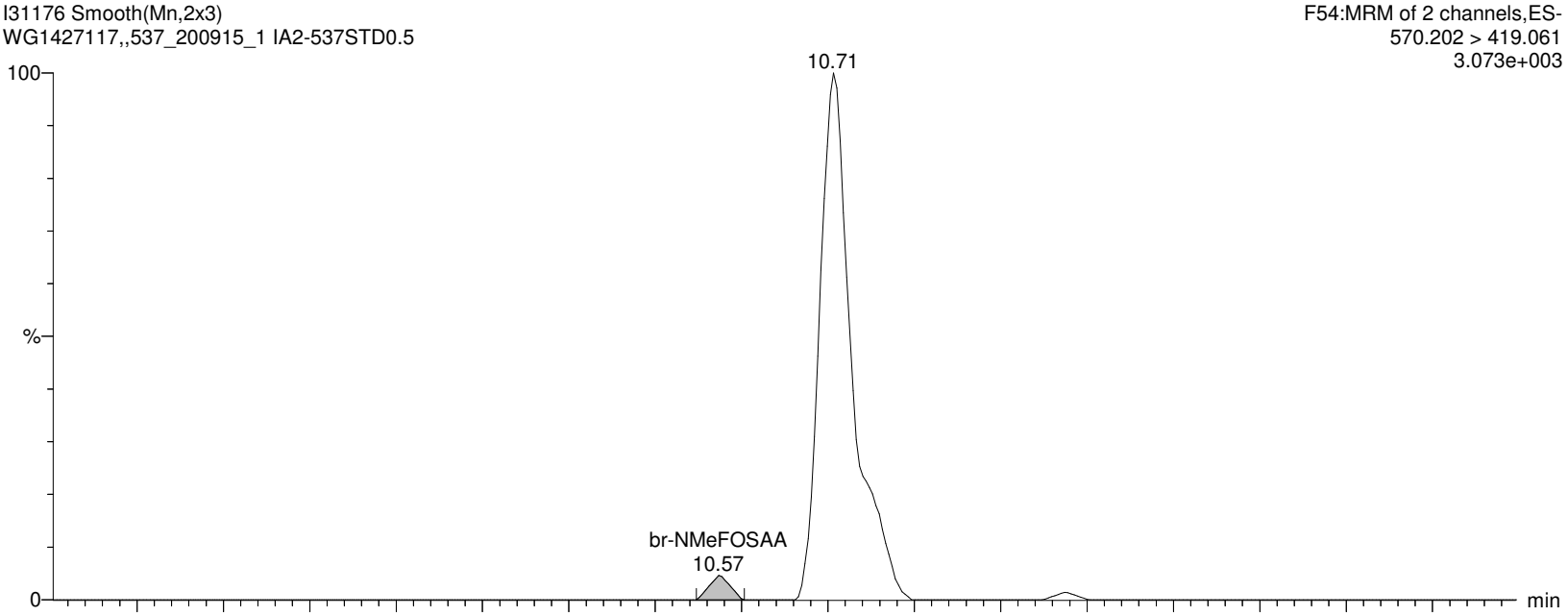

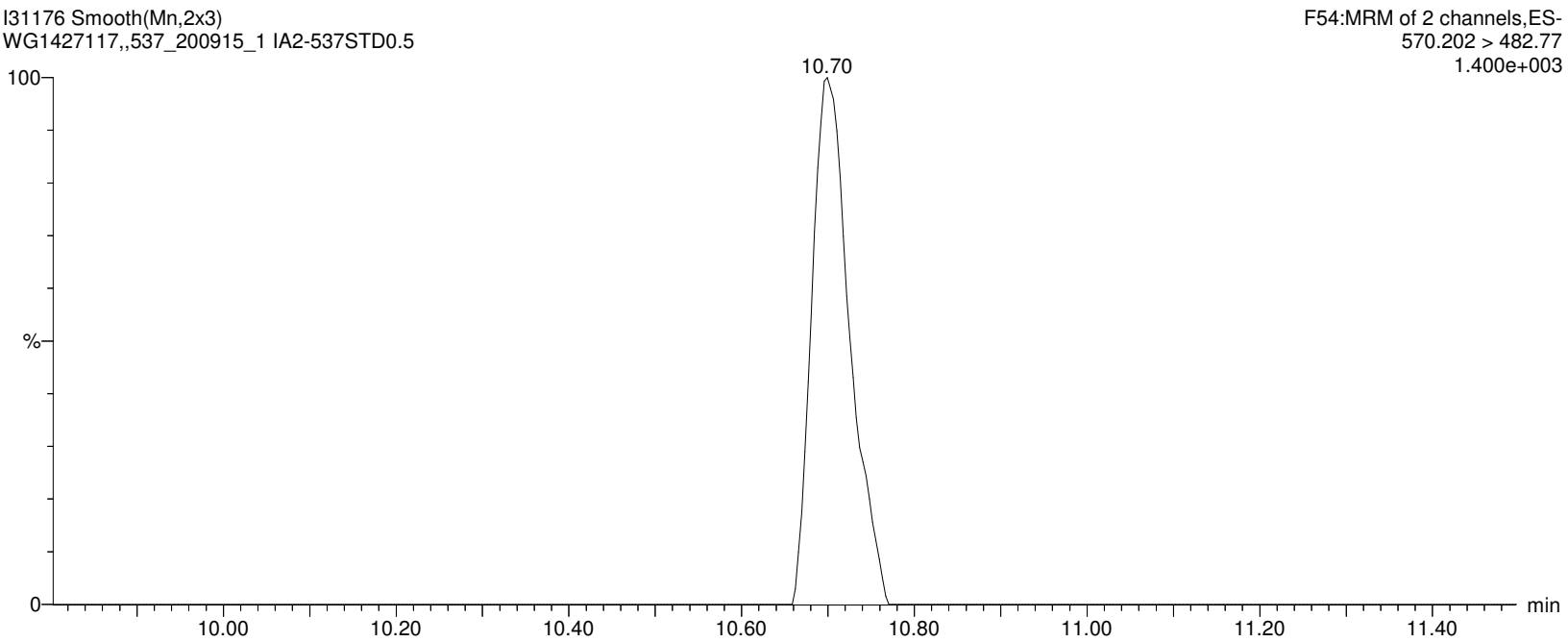

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
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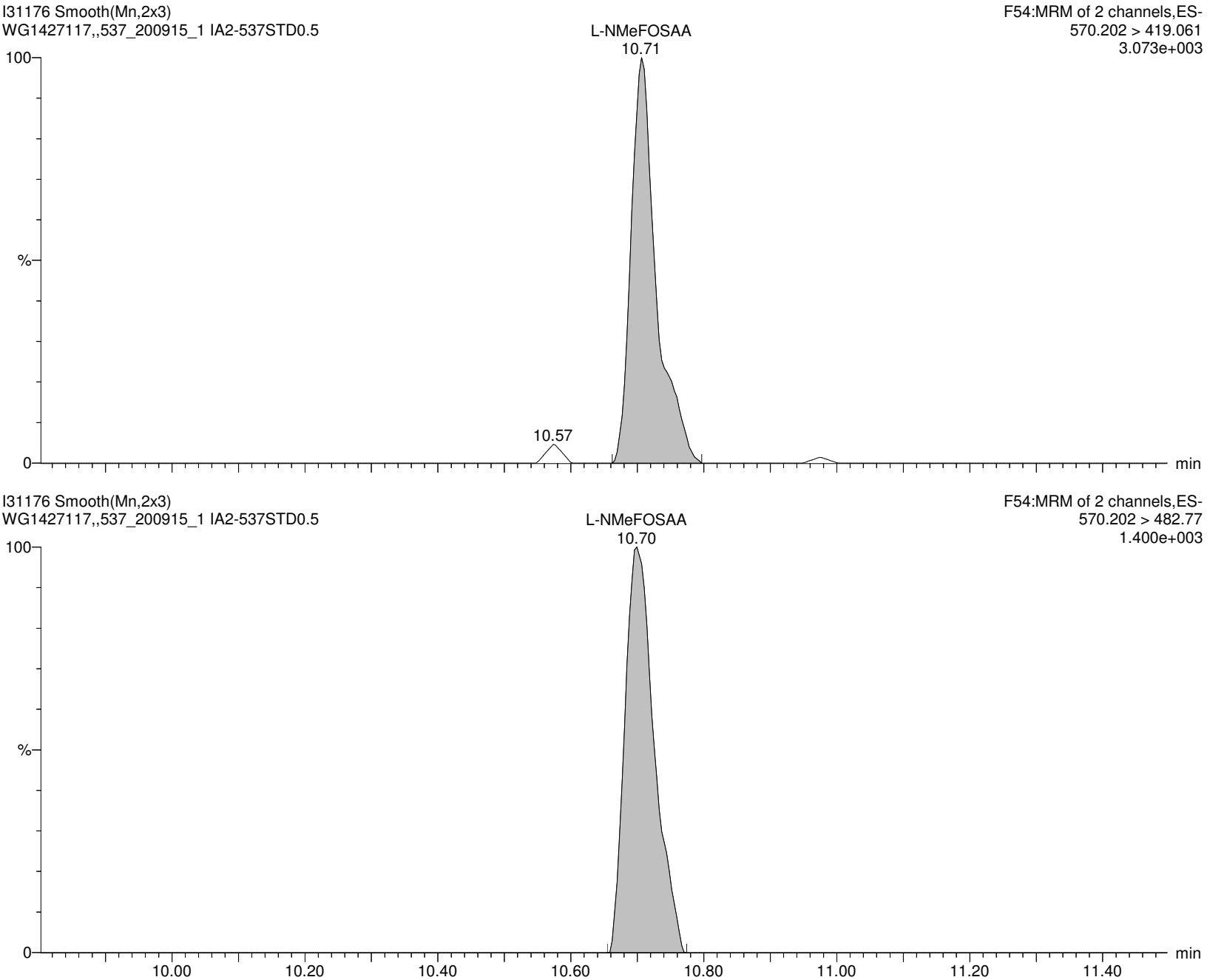
L-NMeFOSAA



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
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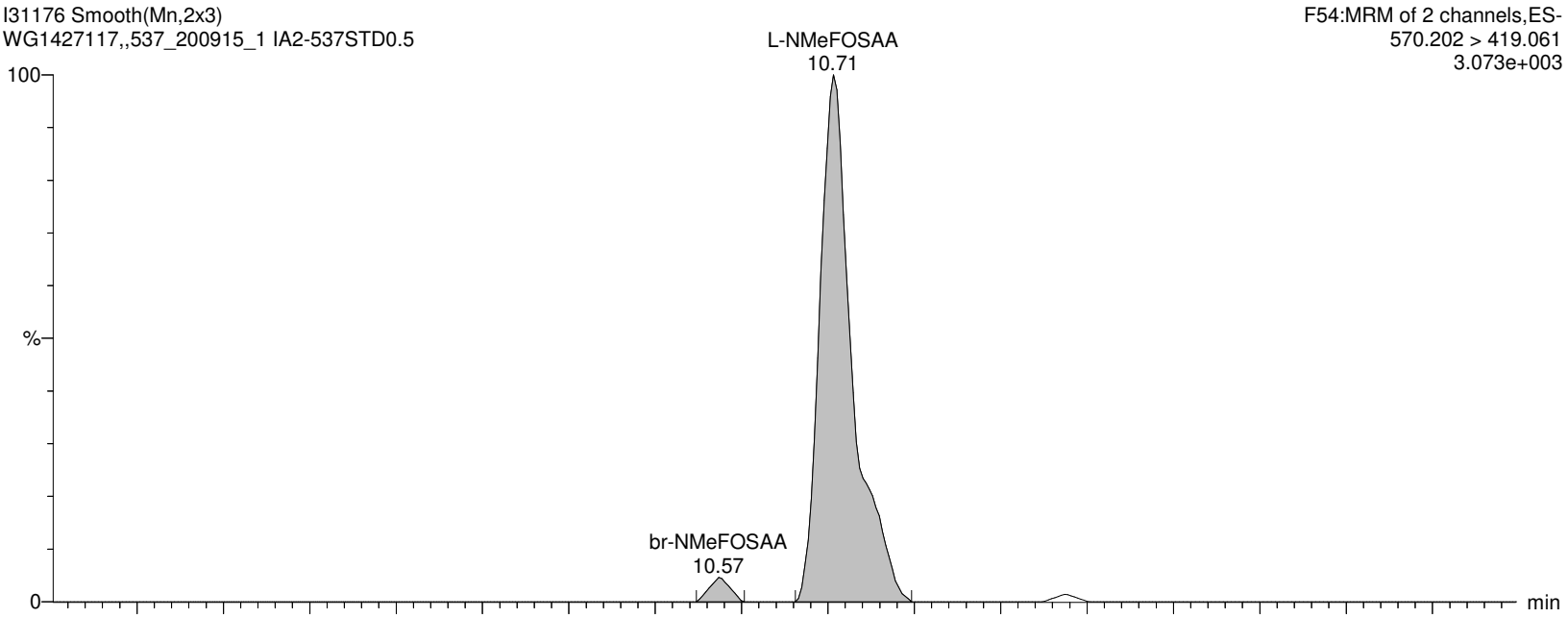

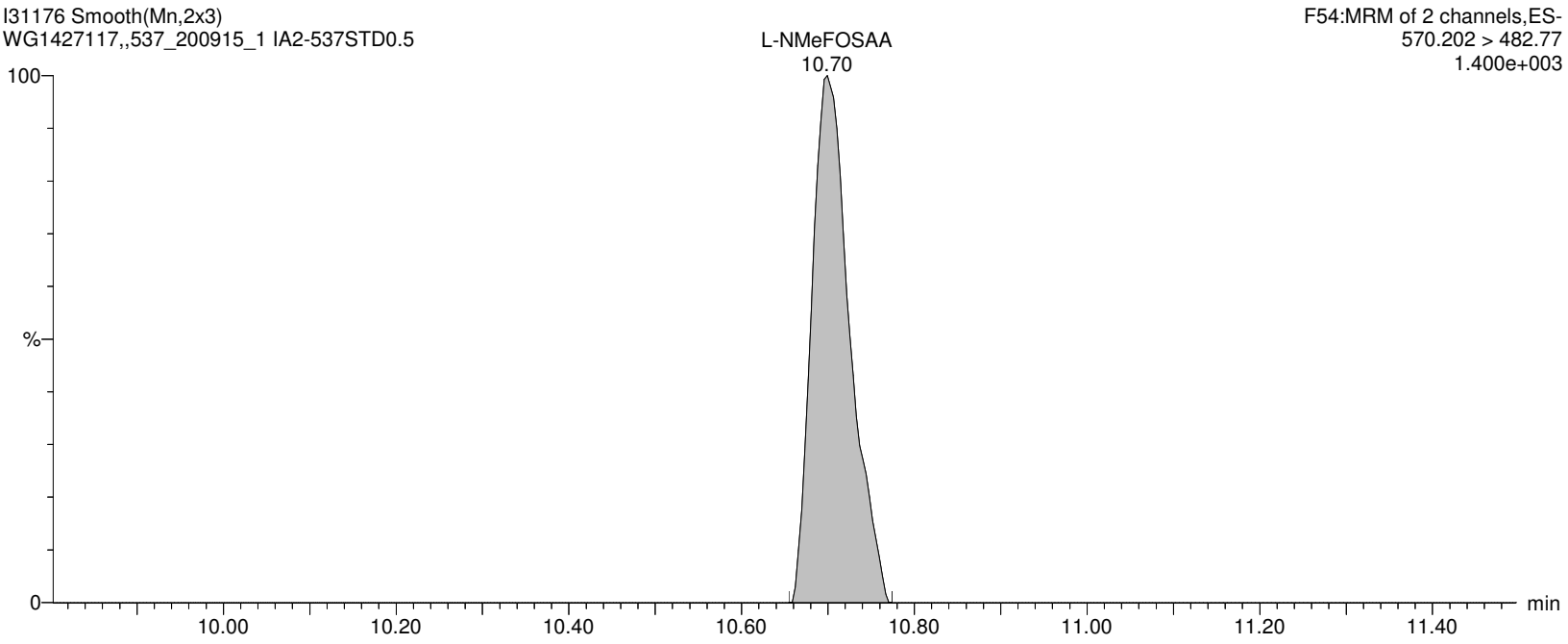

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:15:17 Eastern Daylight Time

Name: I31176
ID: IA2-537STD0.5
Date: 27-Oct-2020
Time: 17:40:30
Description: WG1427117,,537_200915_1
User: LCMS02:JW
Vial: 1:A,2
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\200520_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

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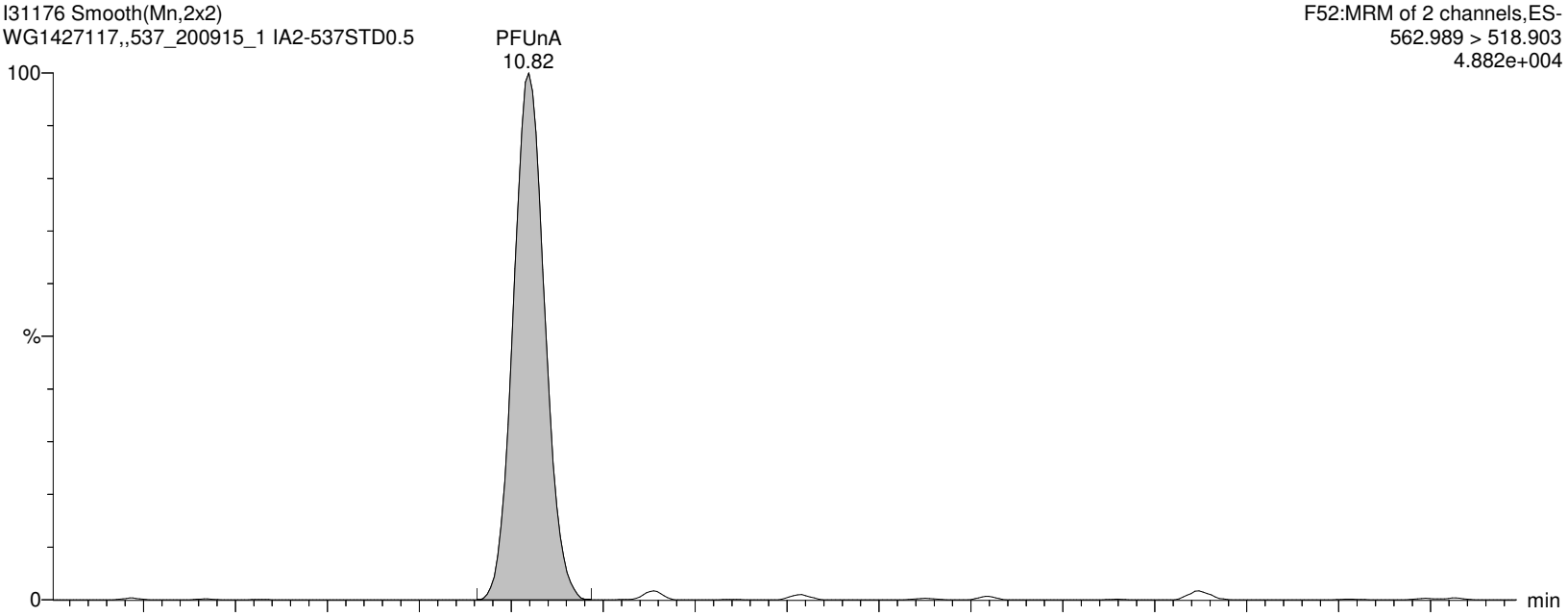

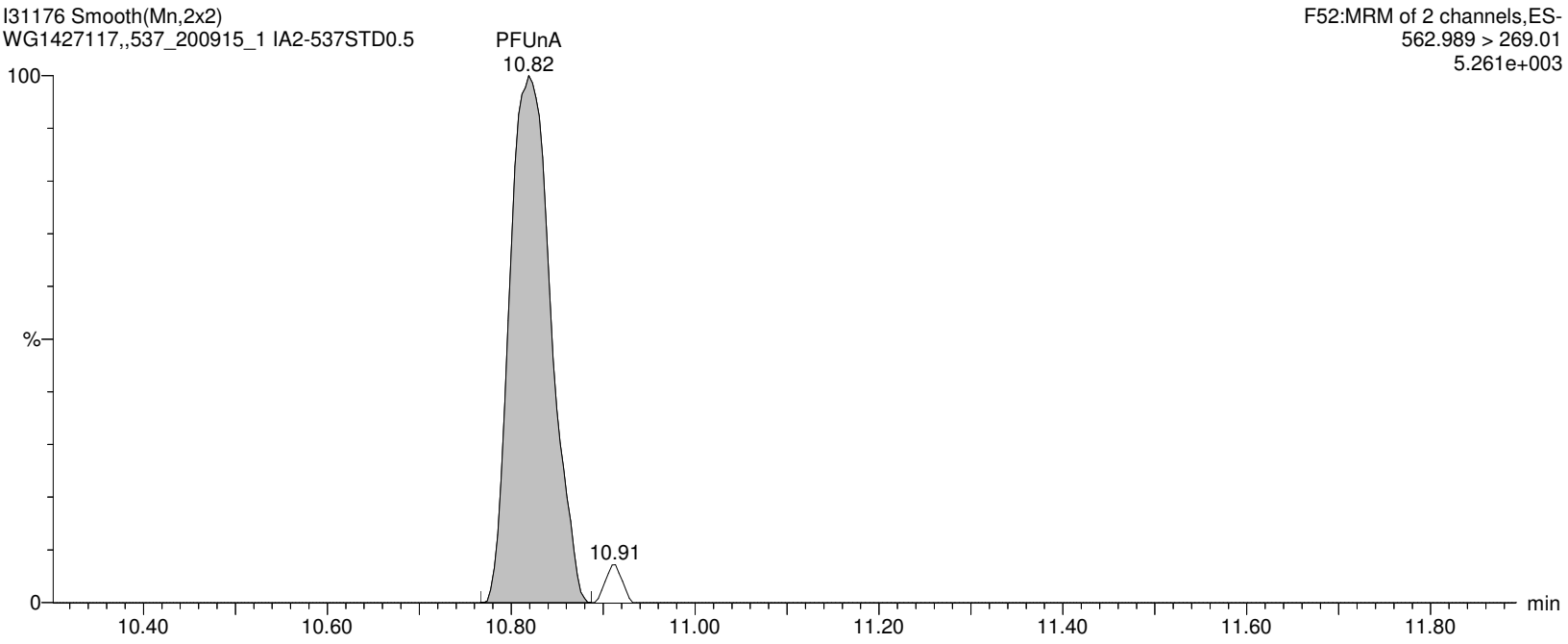

all concentration units in (ng/mL)

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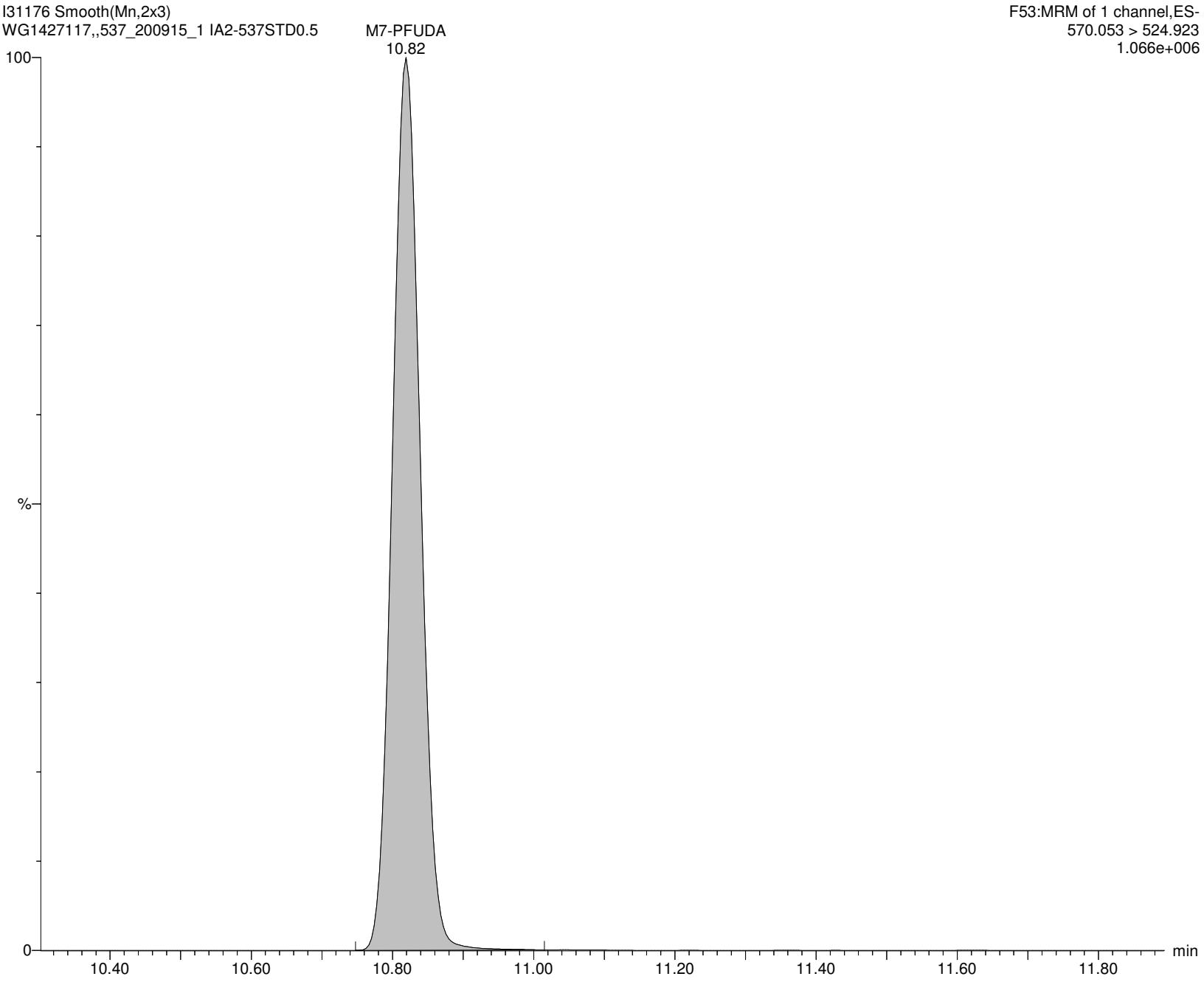

all concentration units in (ng/mL)

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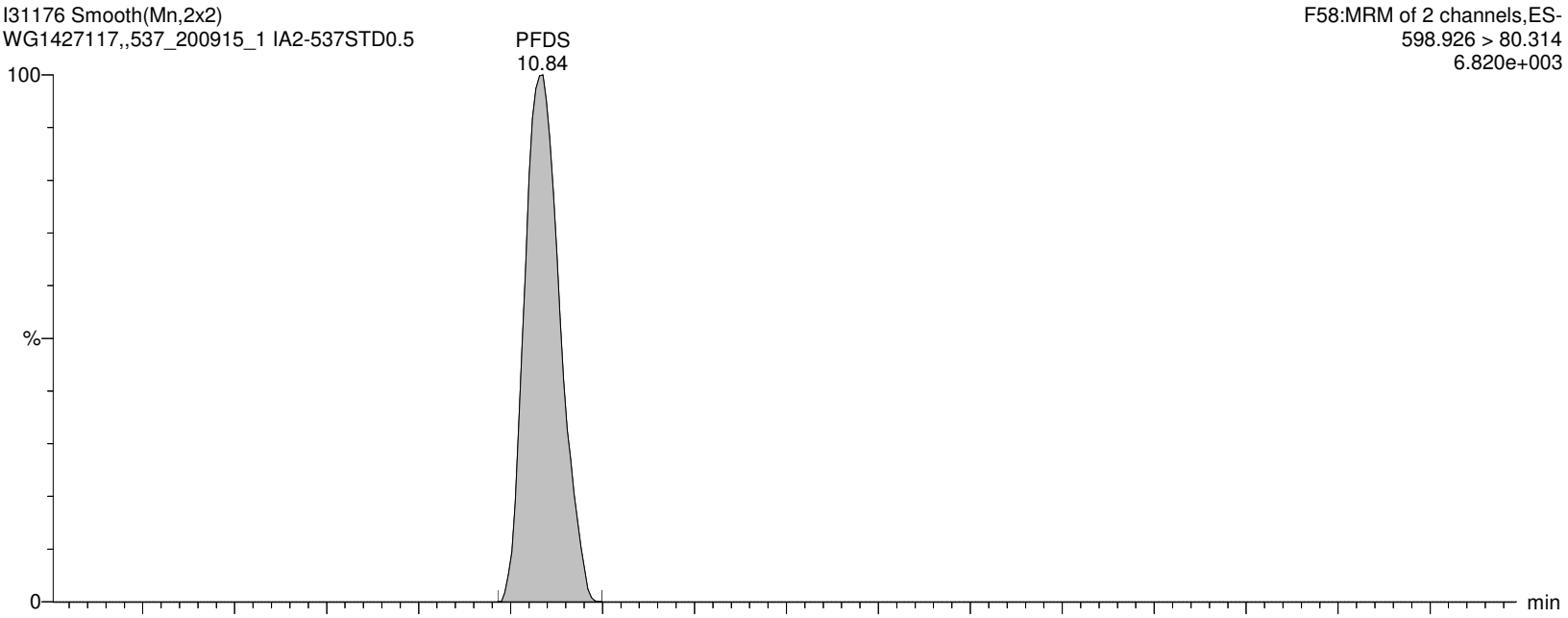

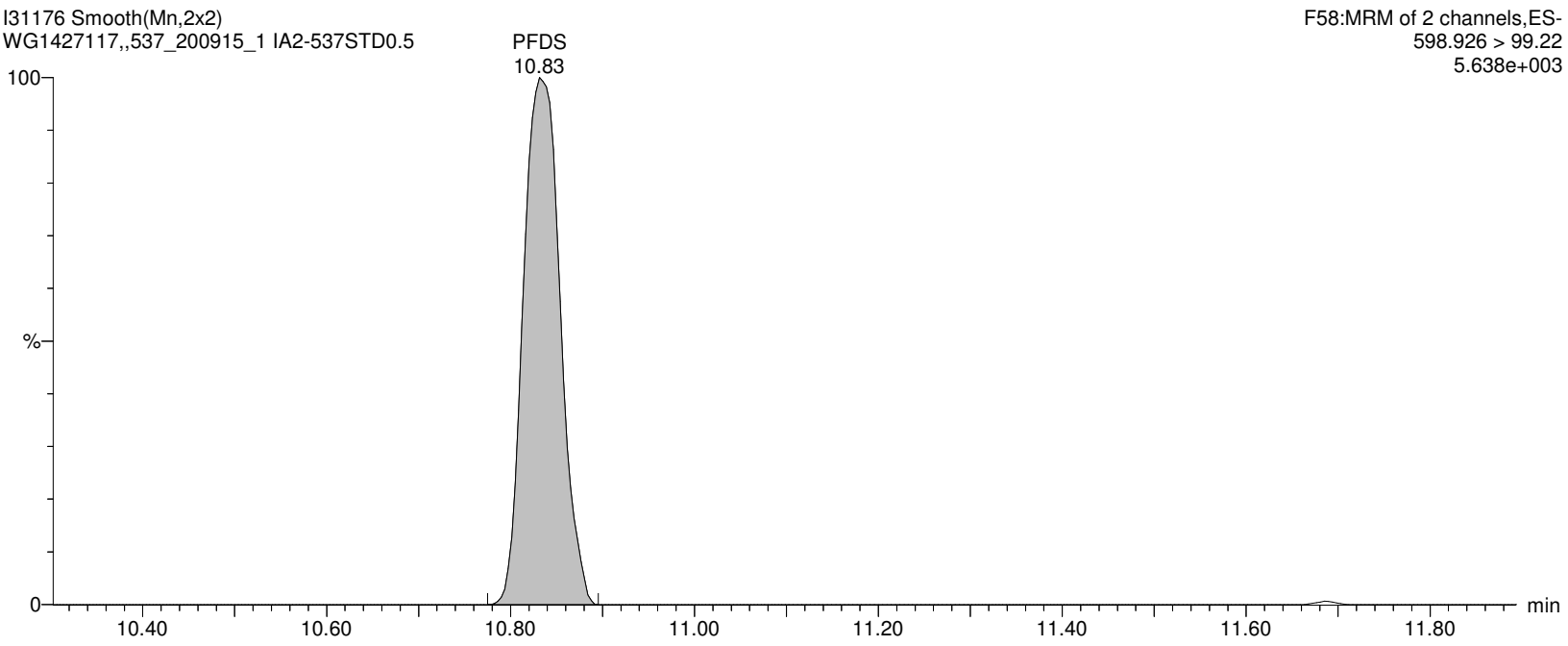

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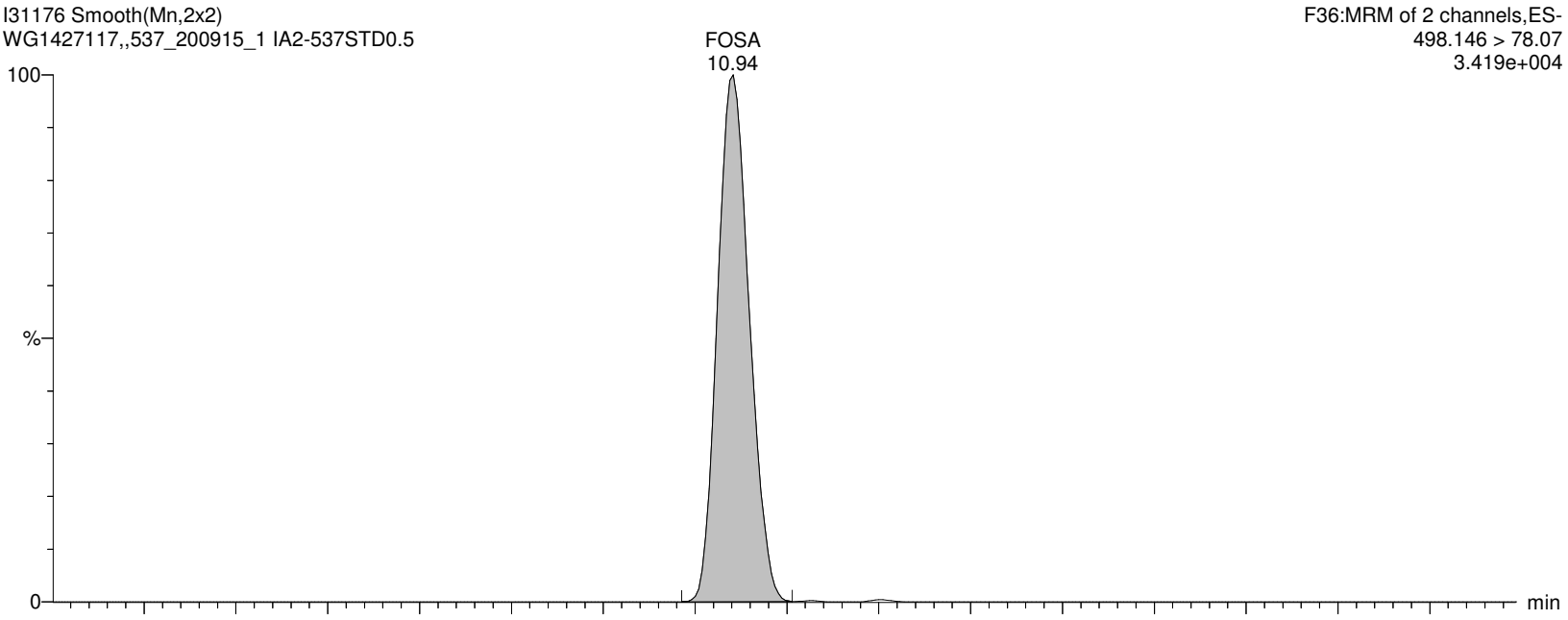

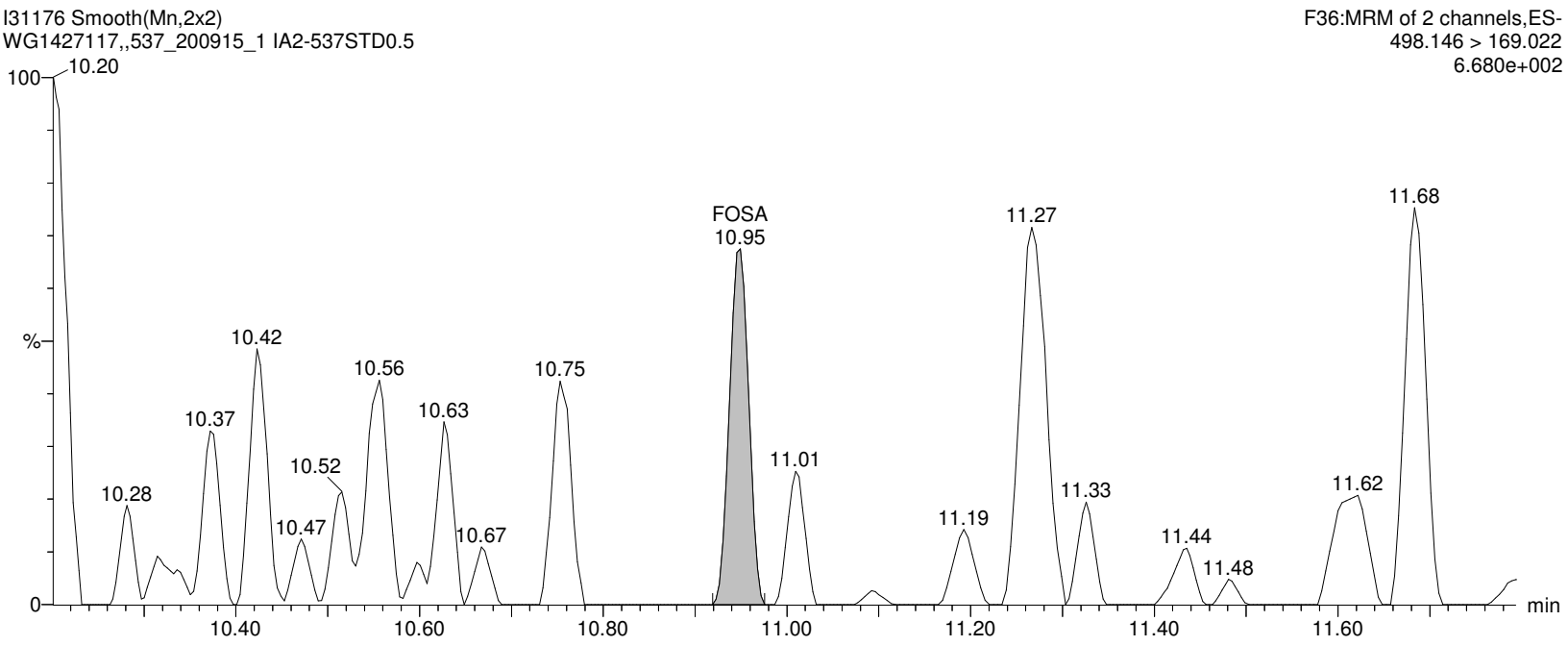

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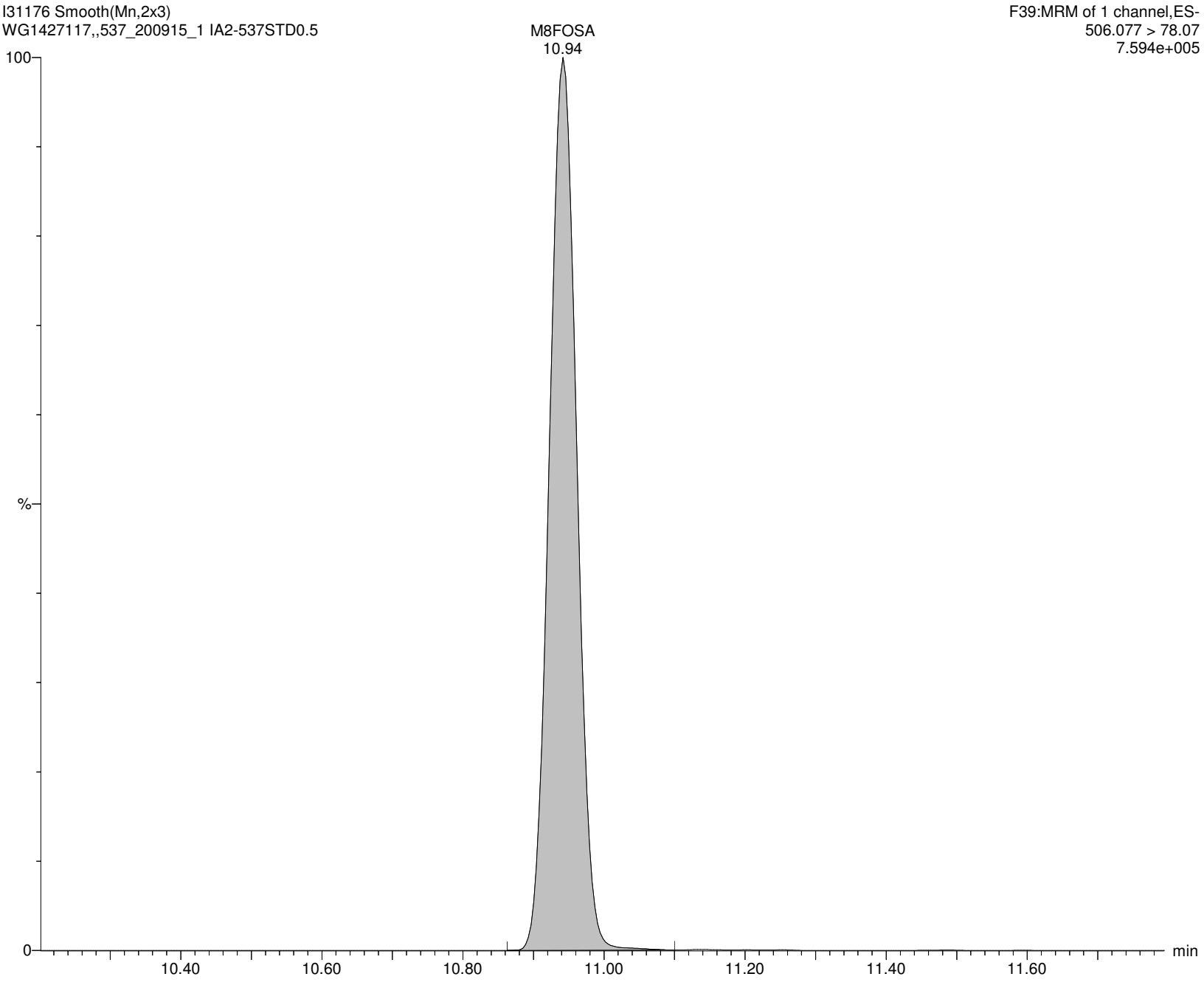

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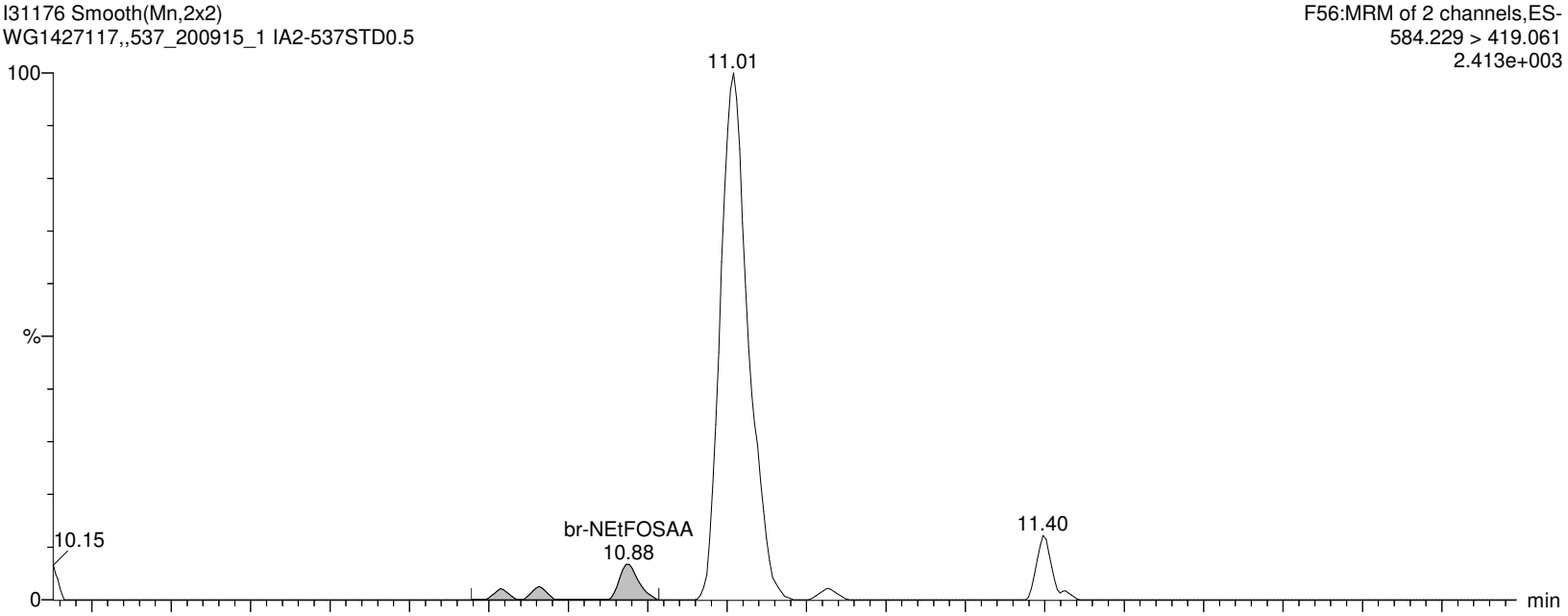

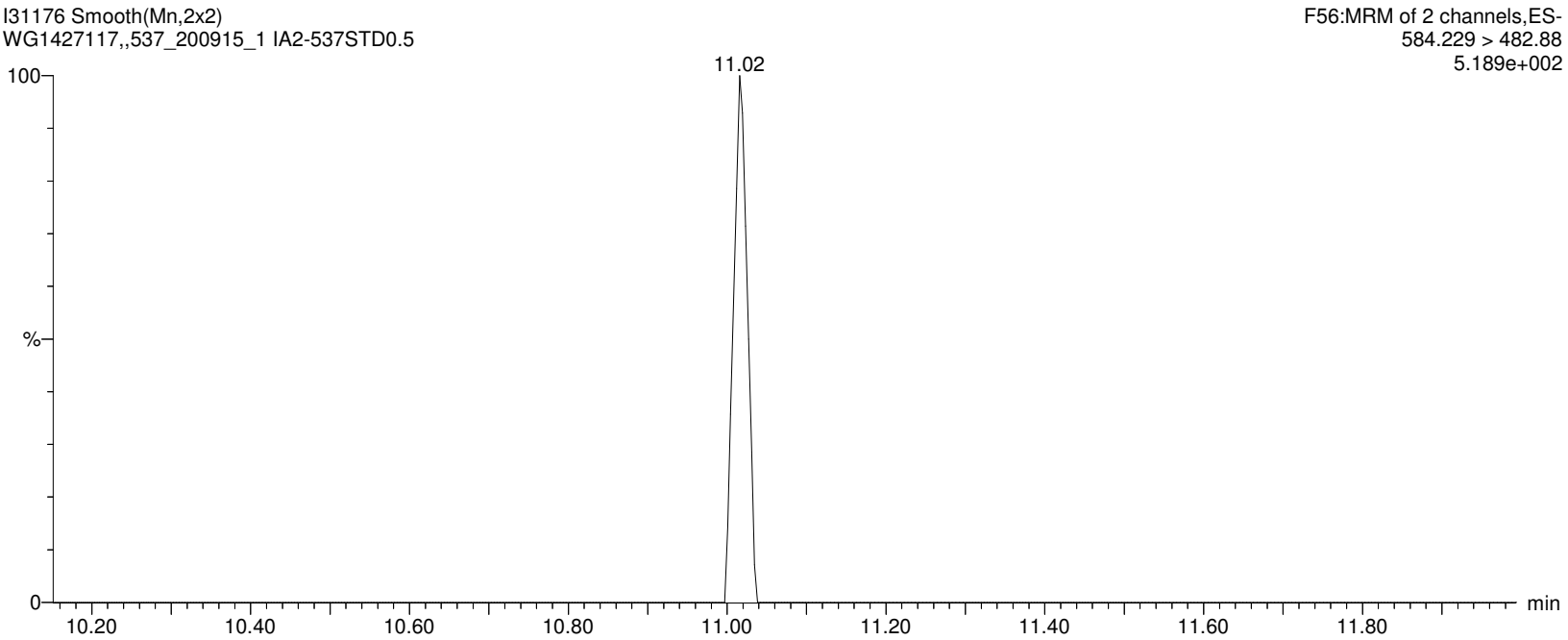

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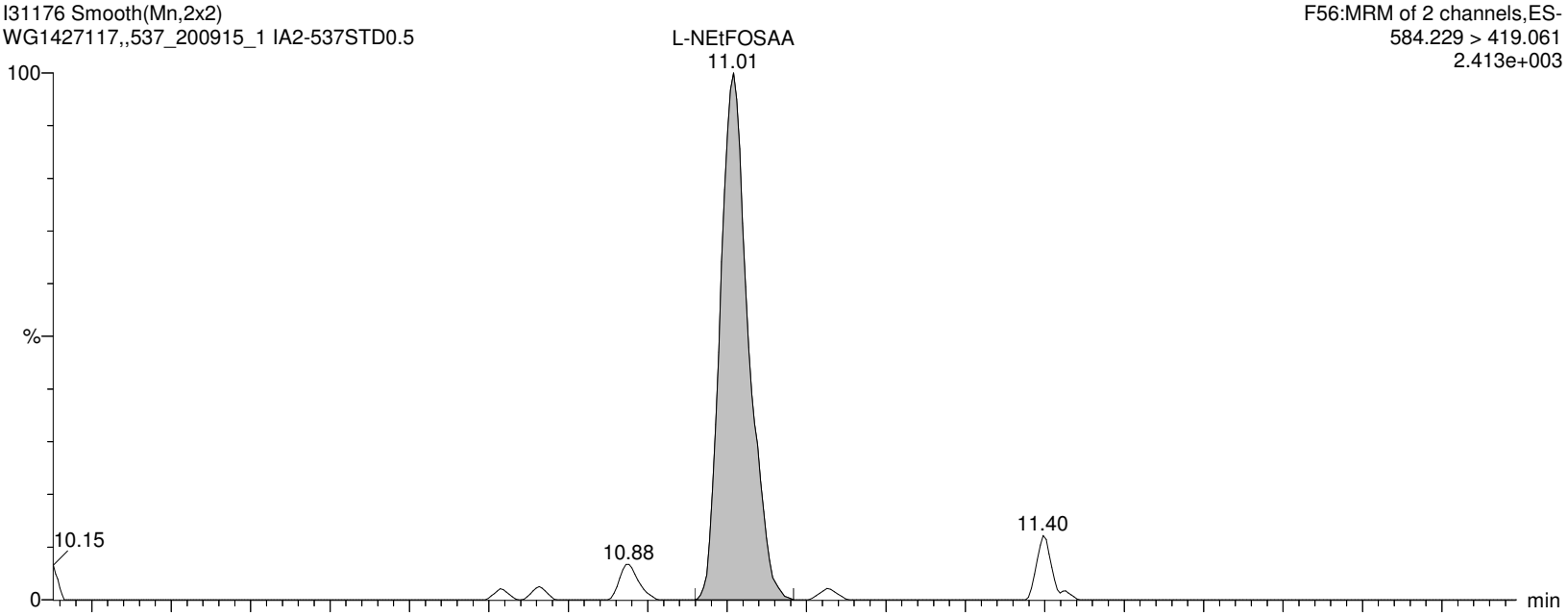
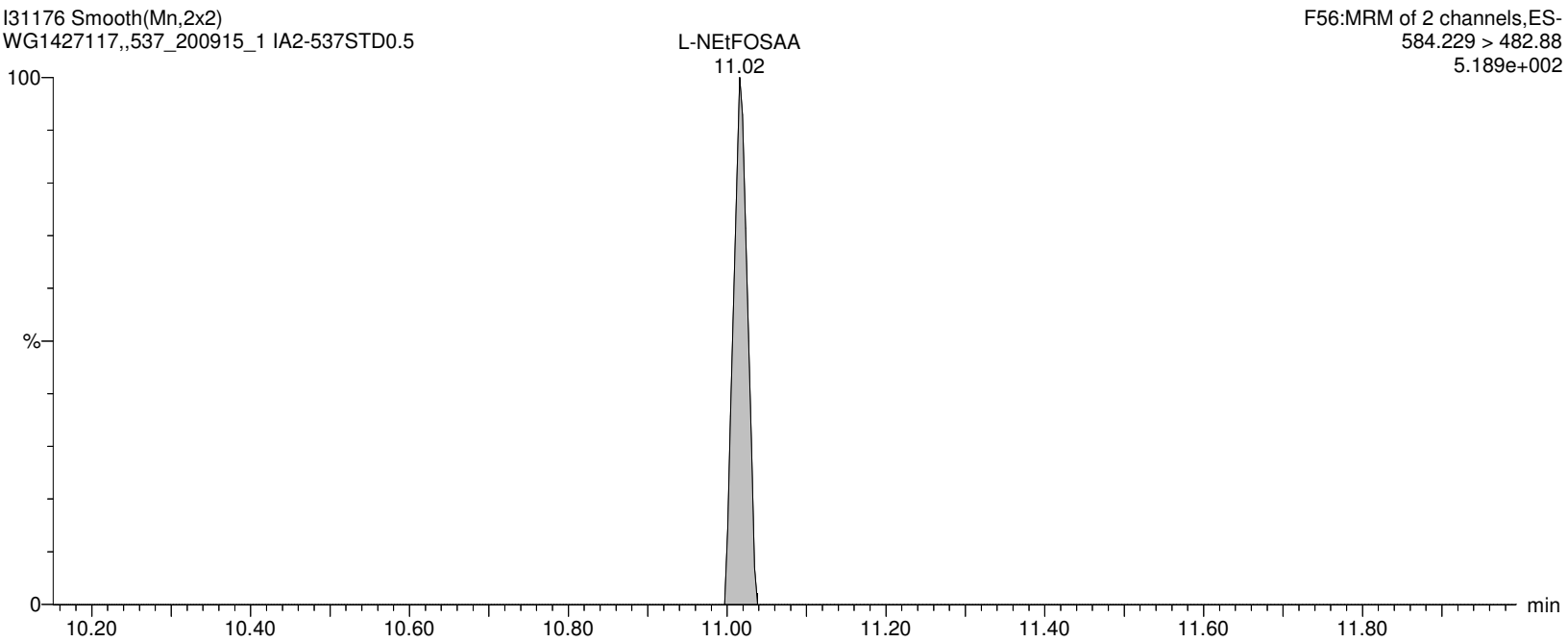
L-NEtFOSAA





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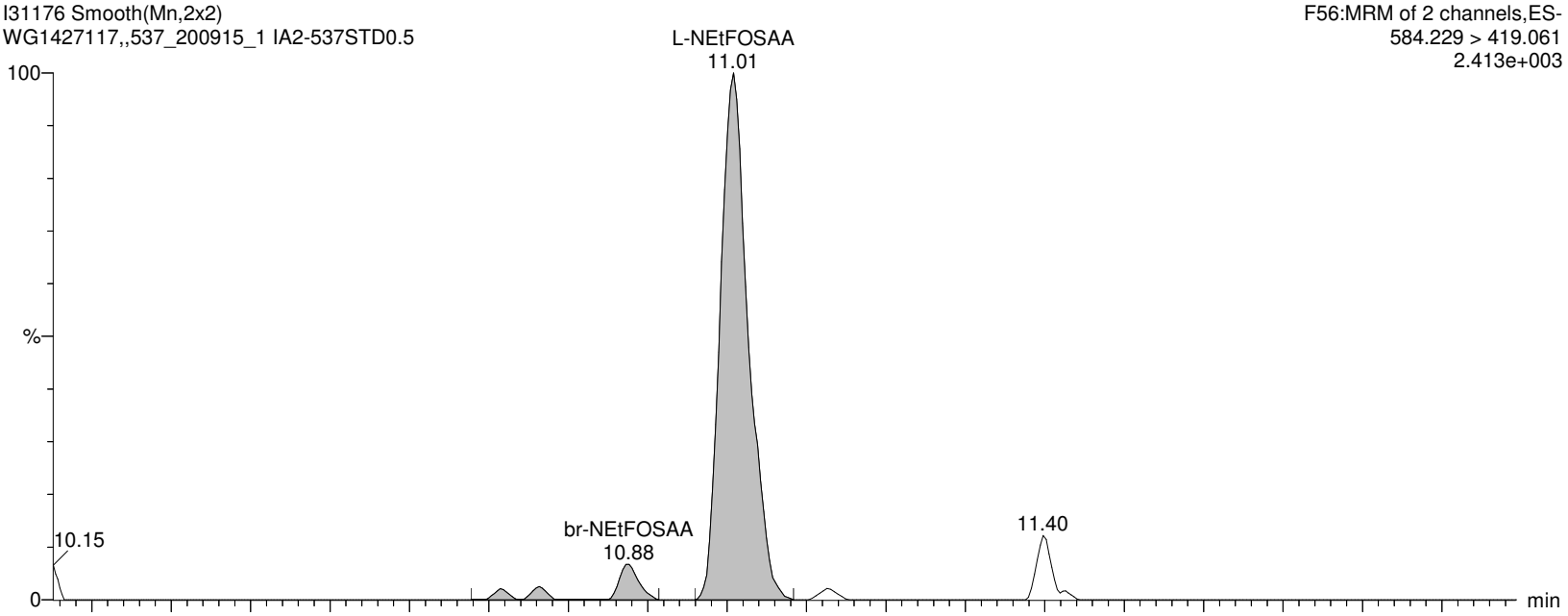

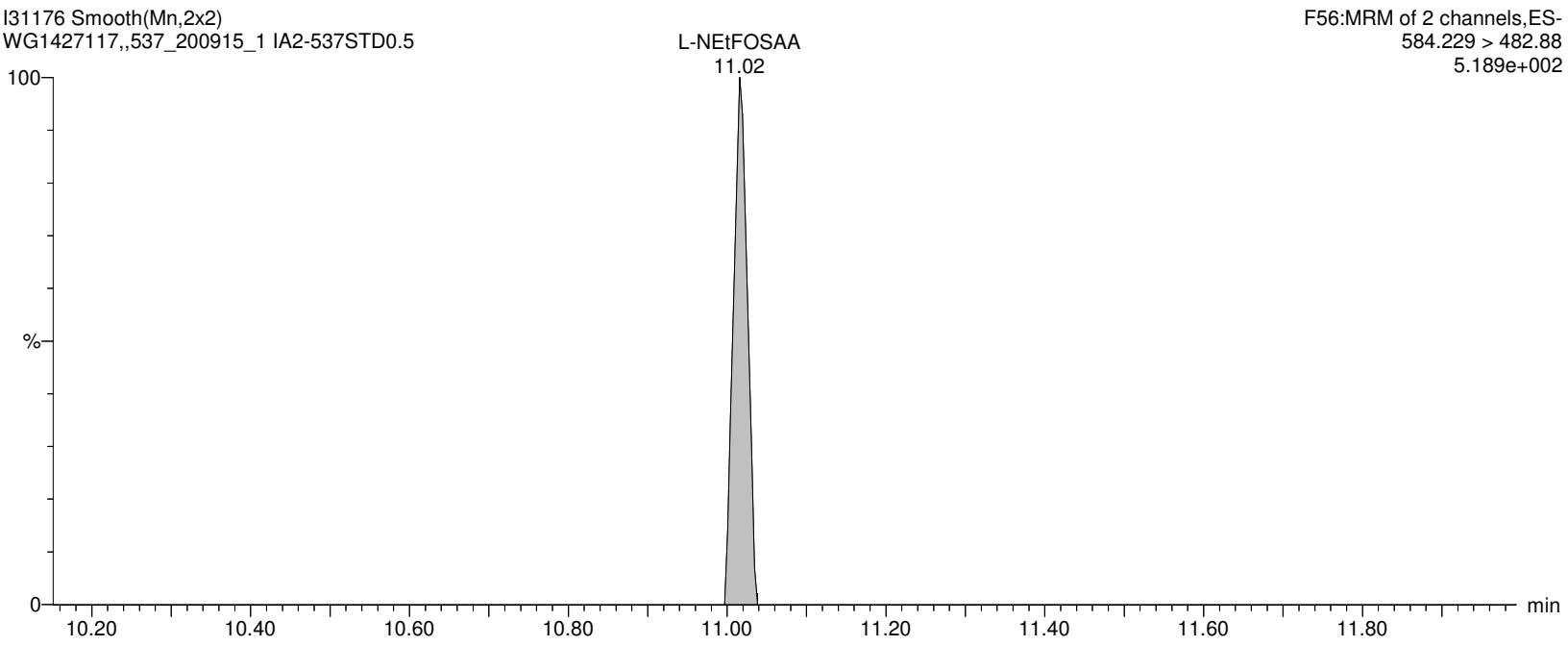

all concentration units in (ng/mL)

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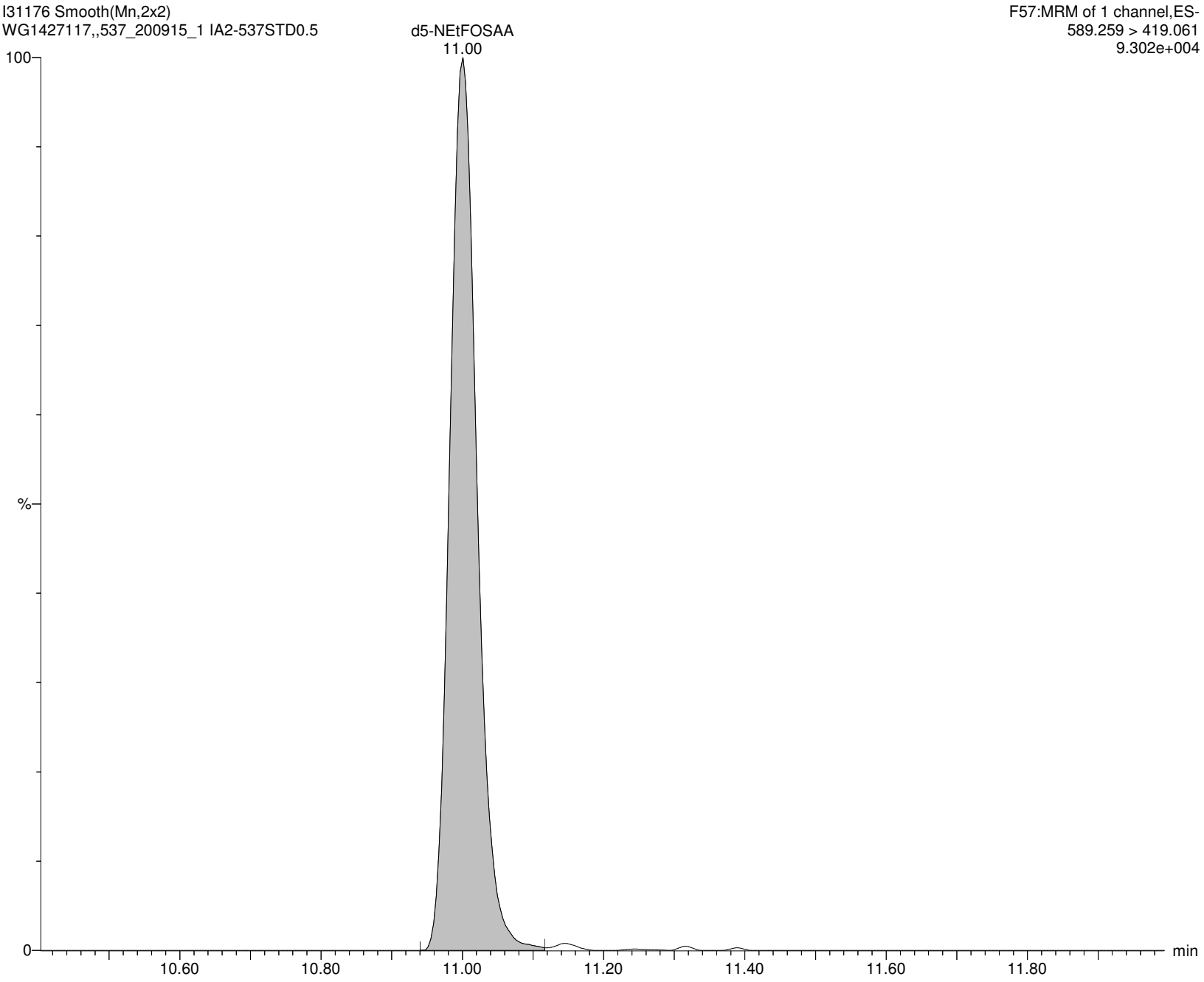

all concentration units in (ng/mL)

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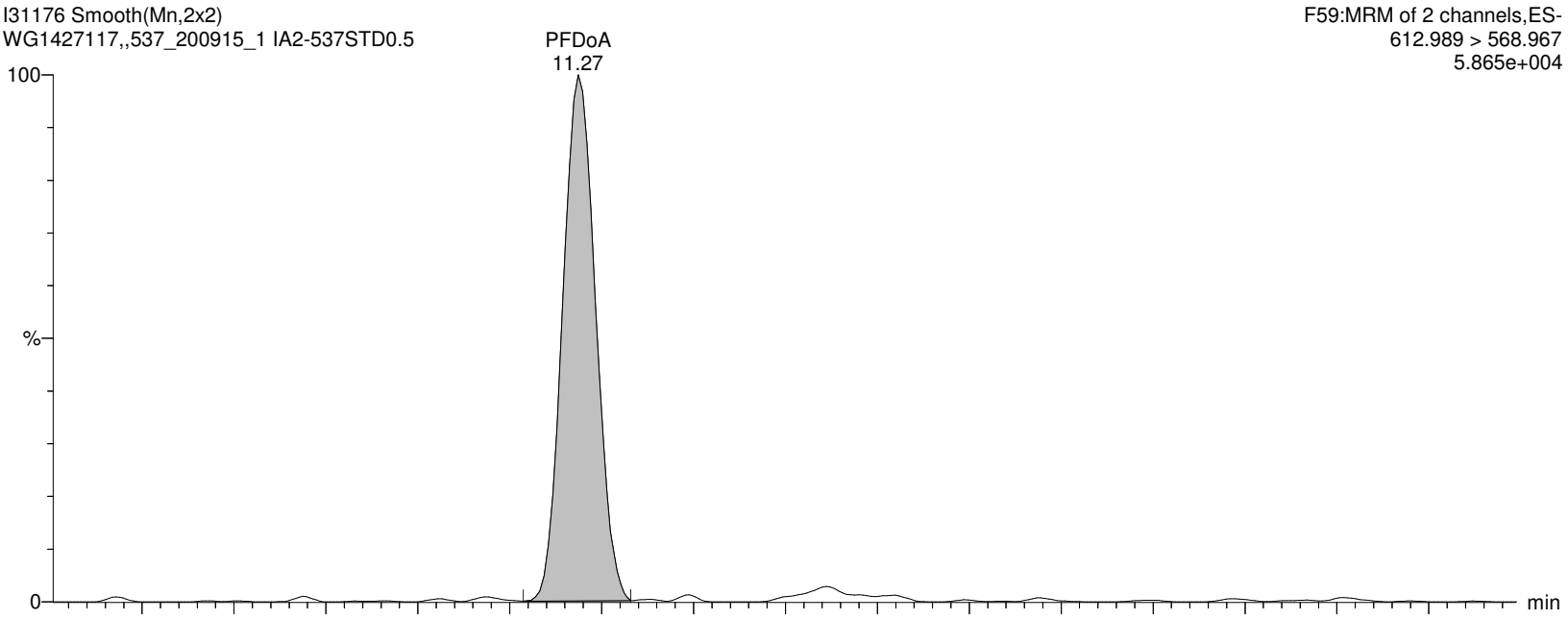

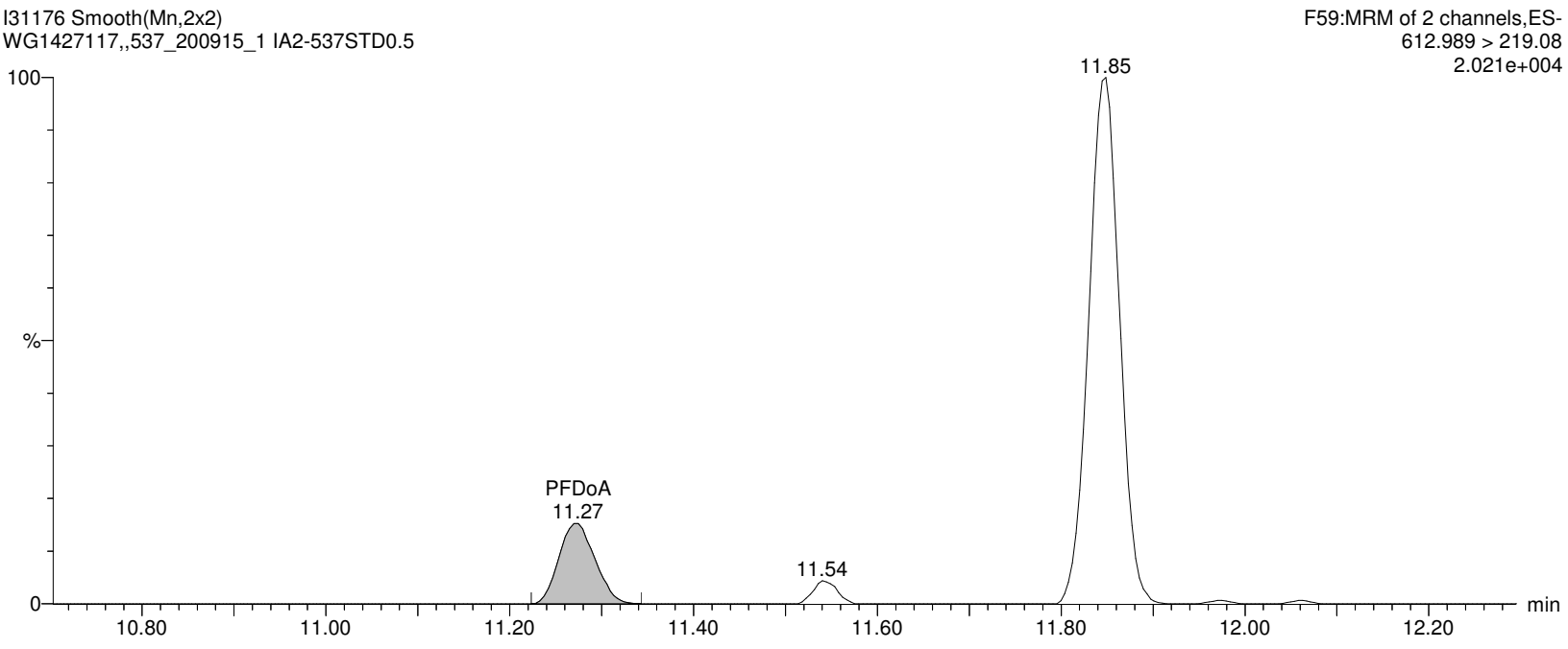

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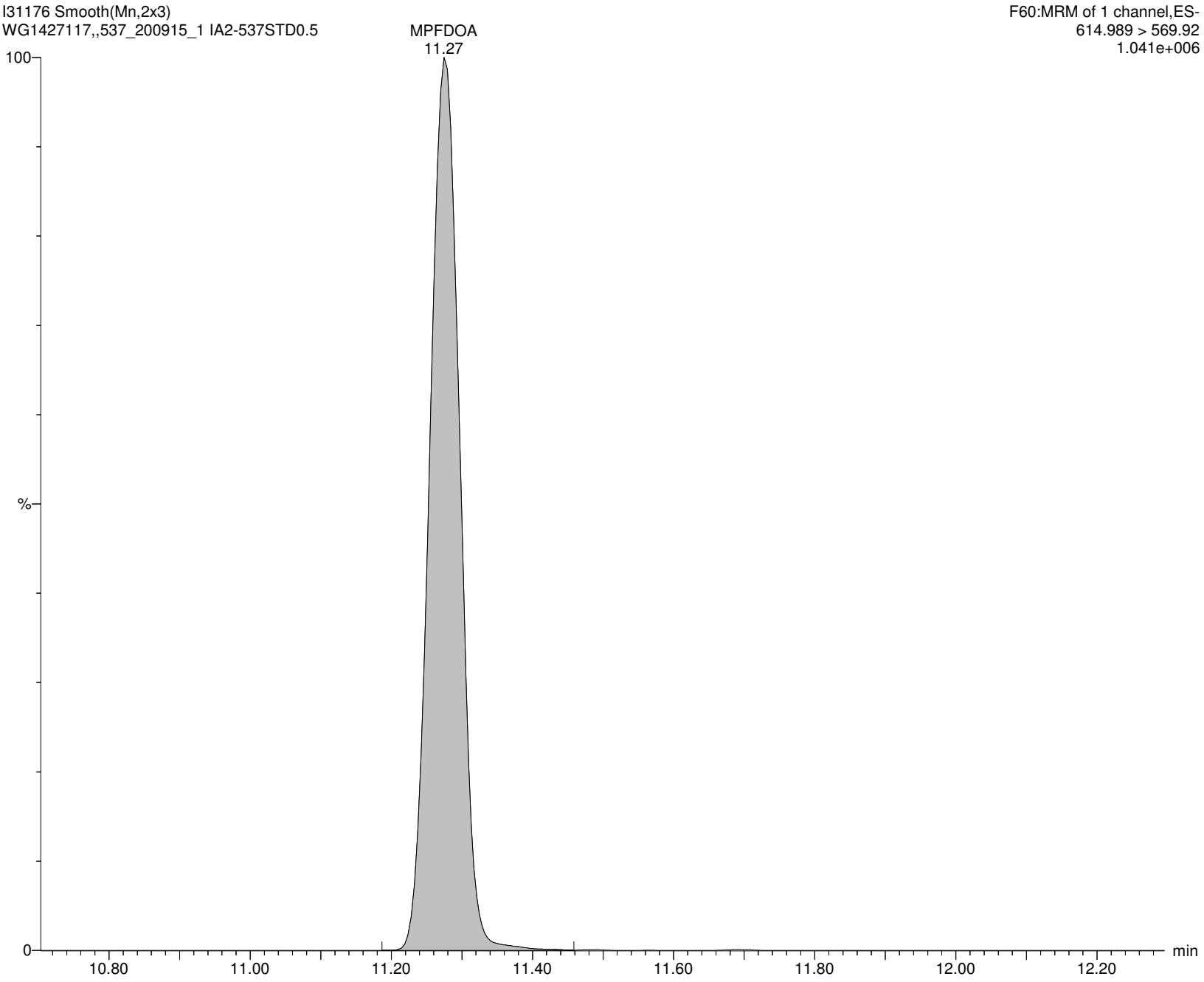

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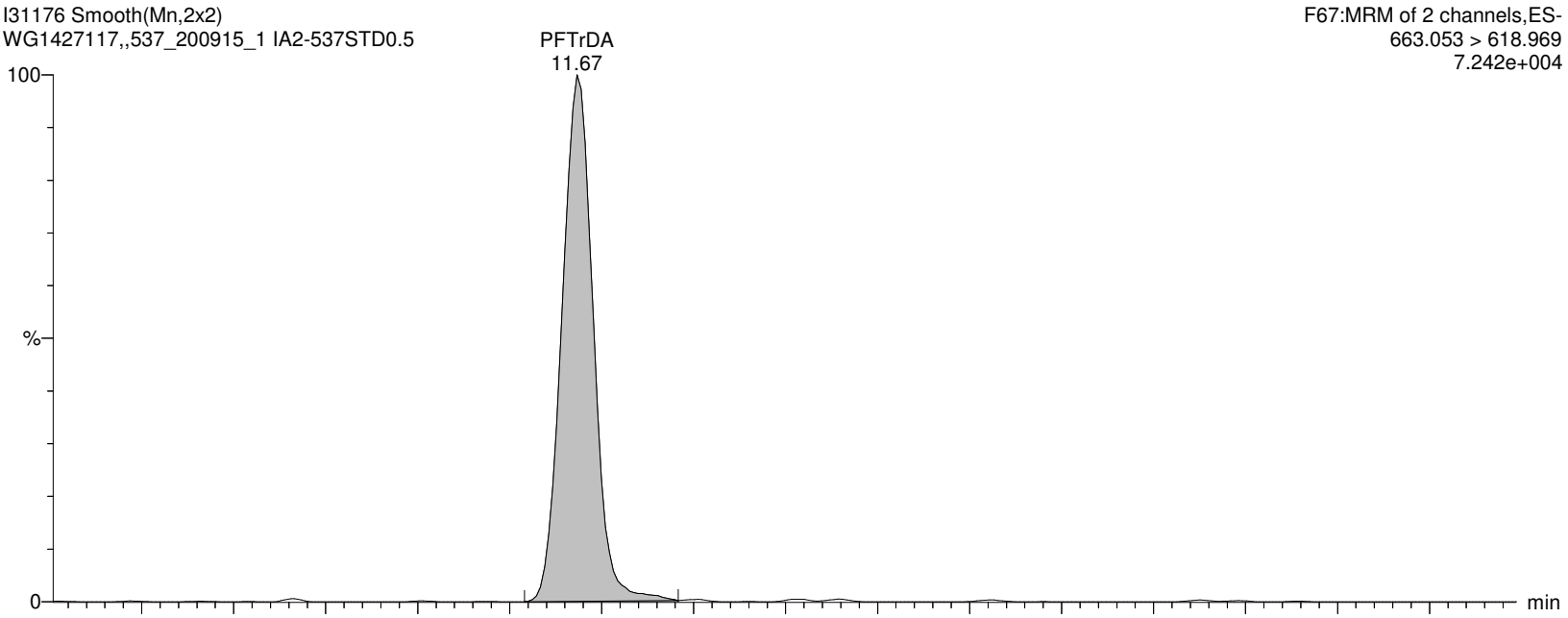

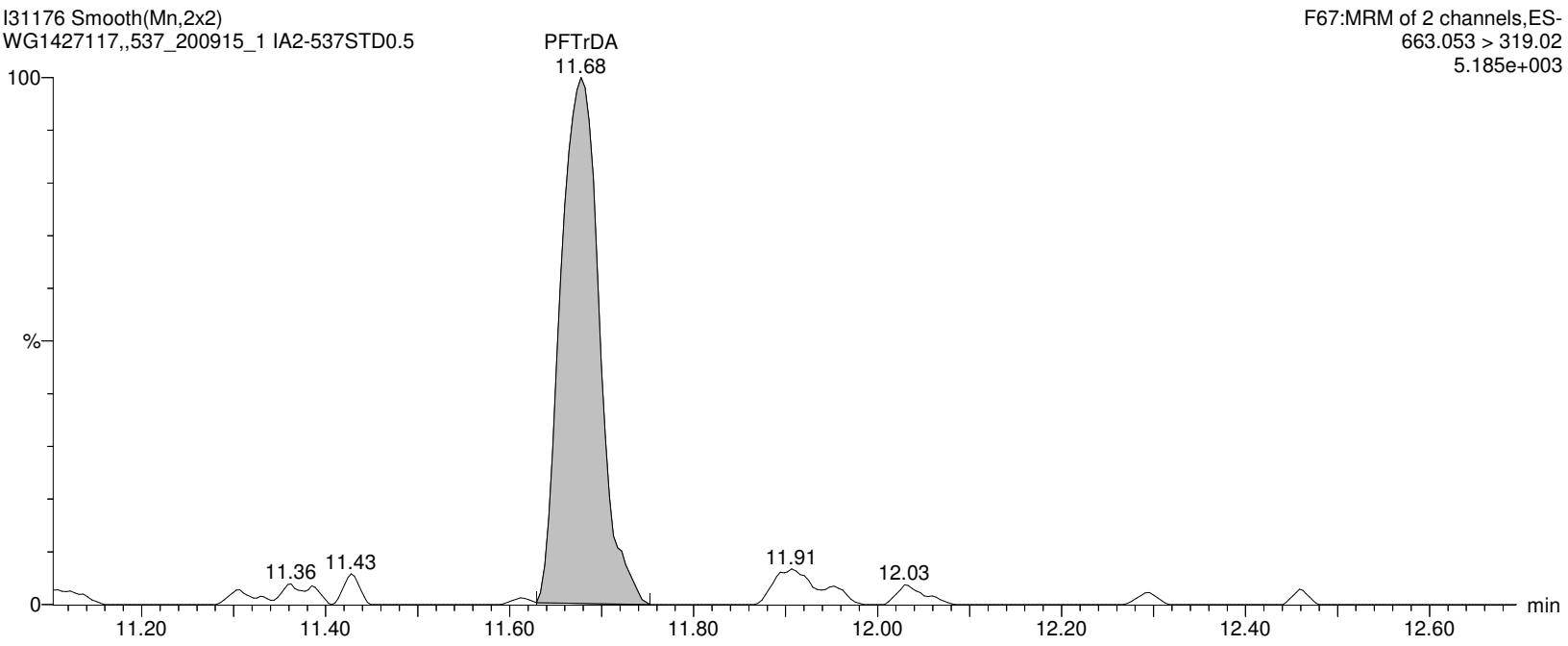

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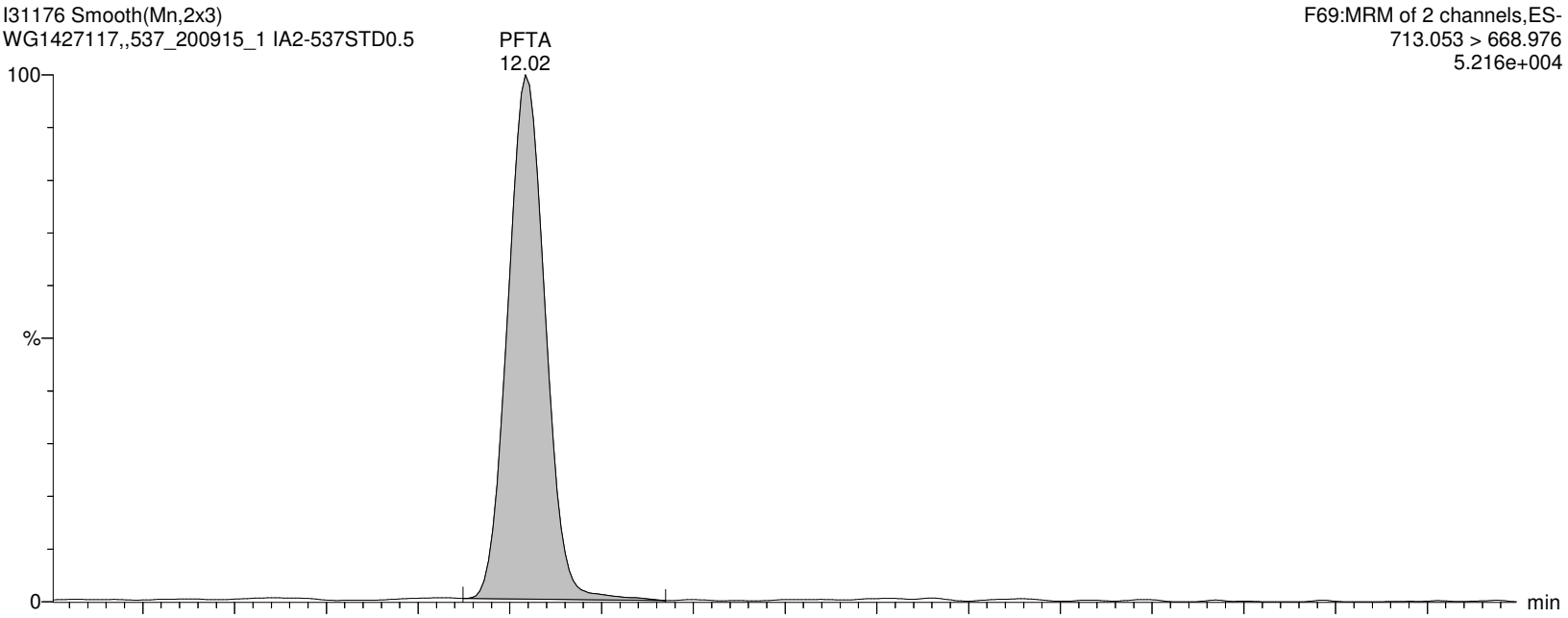

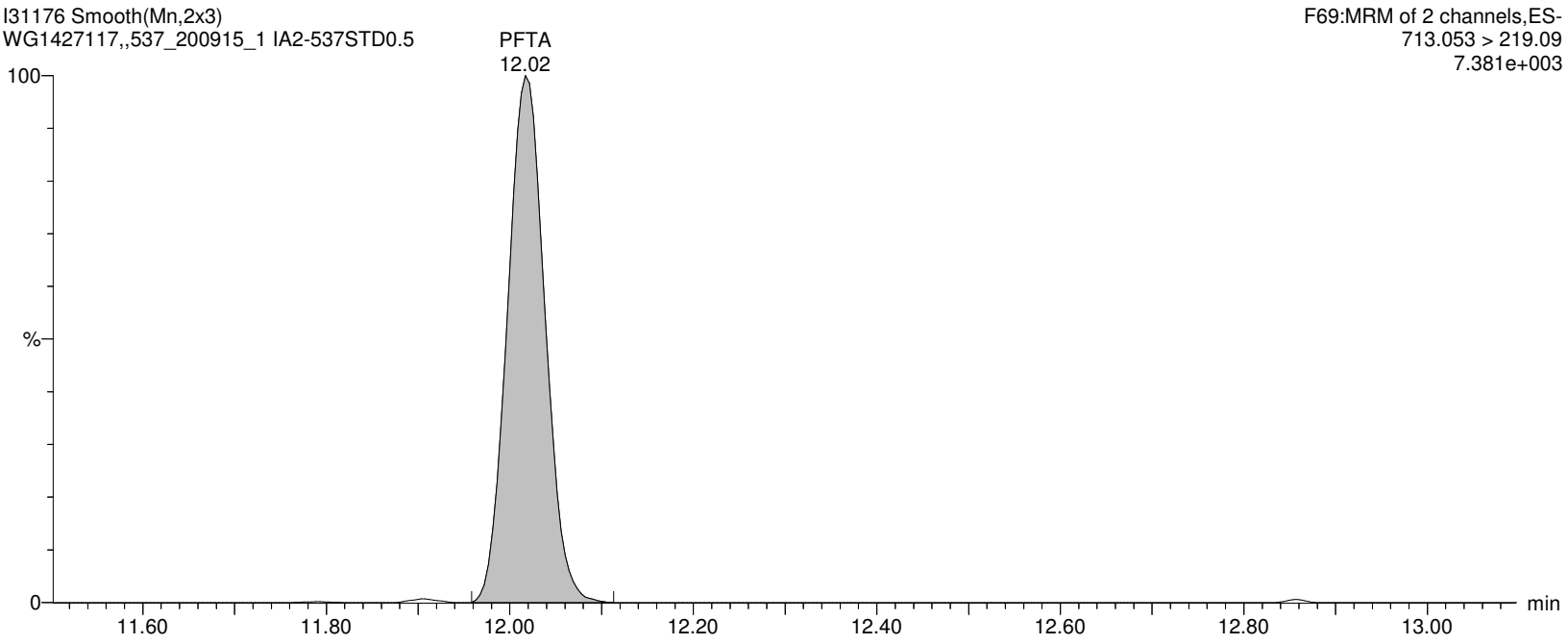

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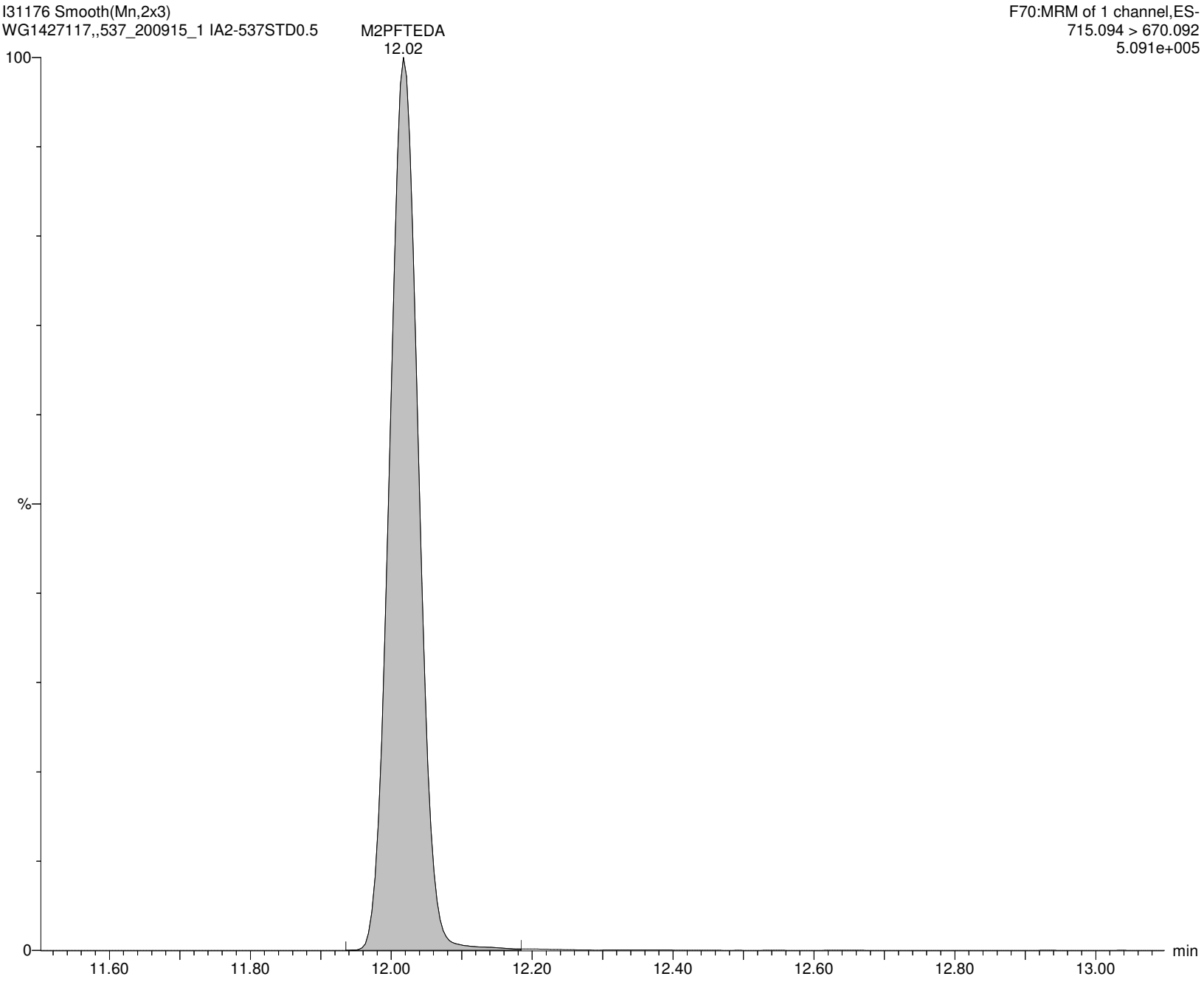

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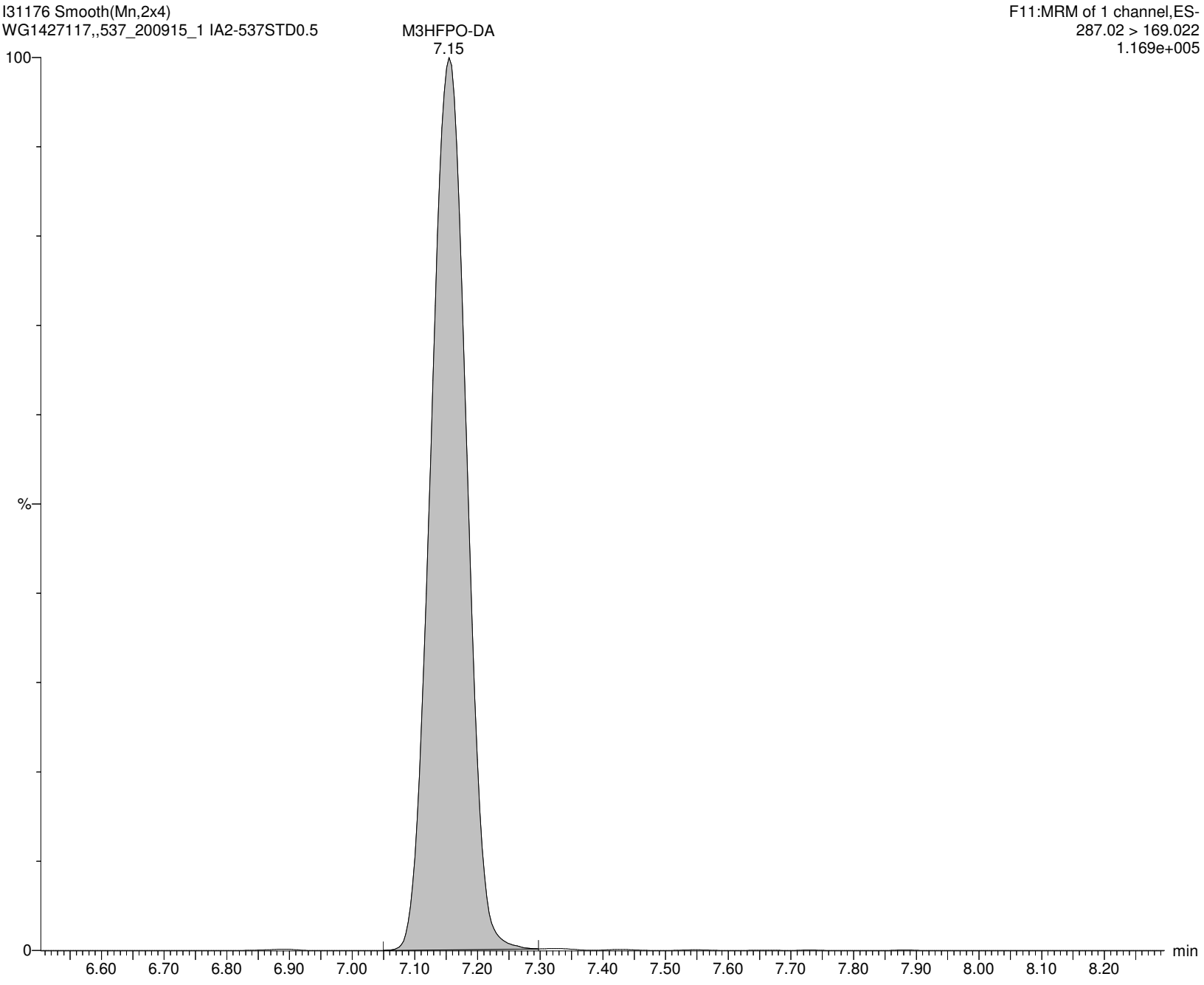

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Printed: Wednesday, October 28, 2020 10:15:17 Eastern Daylight Time

Name: I31176
ID: IA2-537STD0.5
Date: 27-Oct-2020
Time: 17:40:30
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User: LCMS02:JW
Vial: 1:A,2
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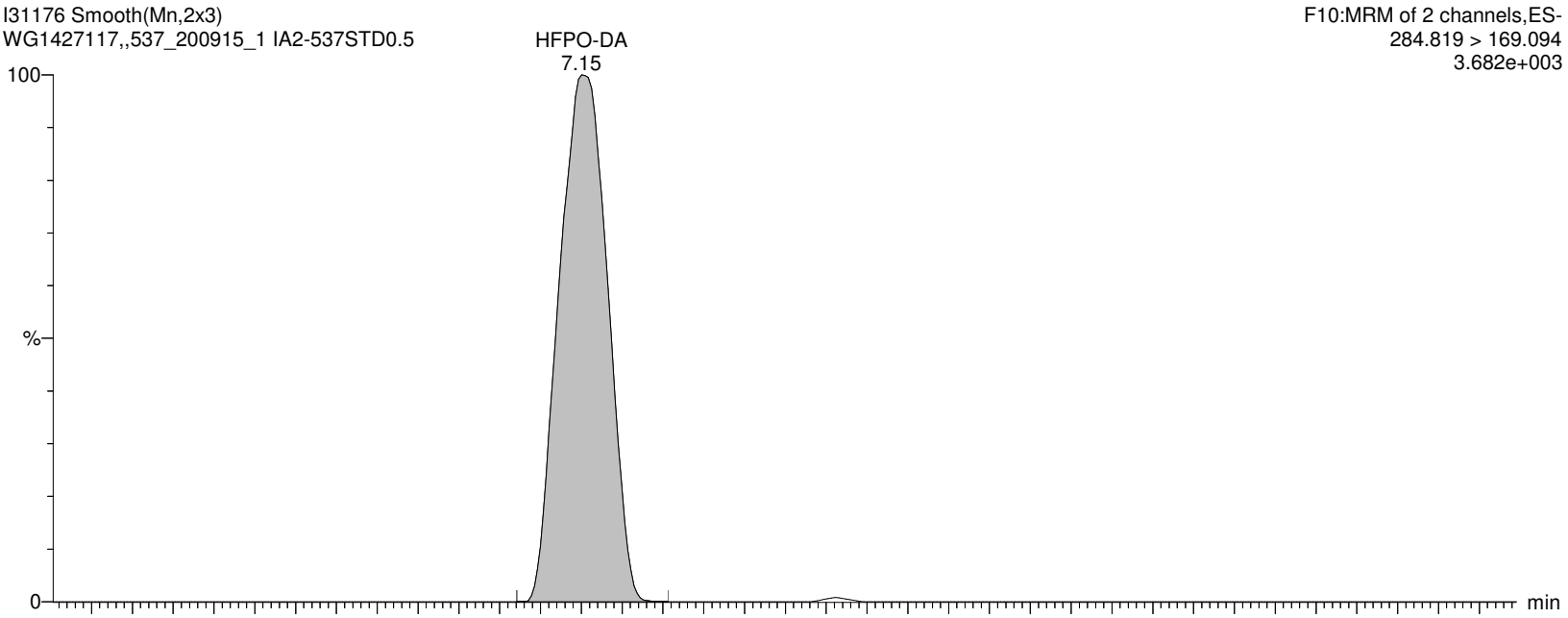

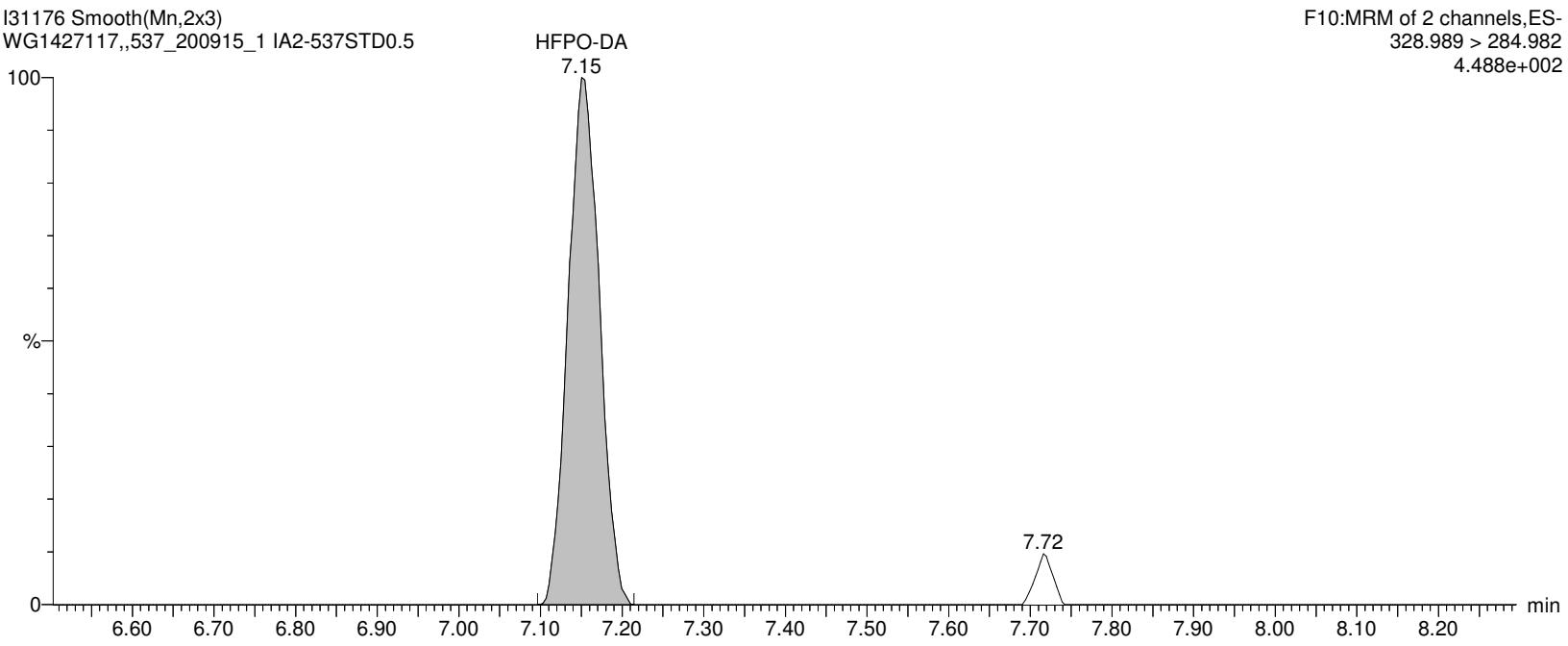

all concentration units in (ng/mL)

Alpha Analytical Inc.
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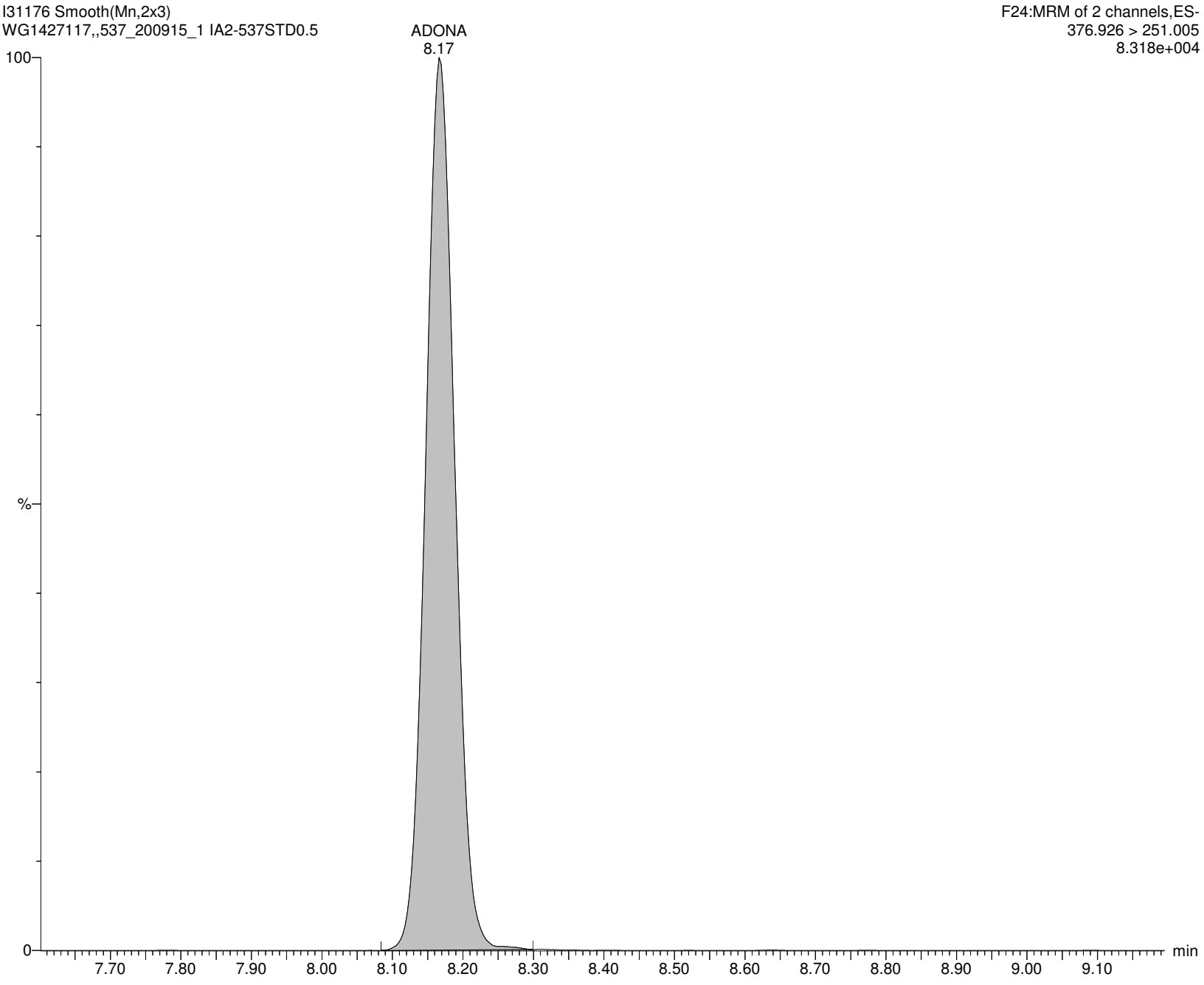

all concentration units in (ng/mL)

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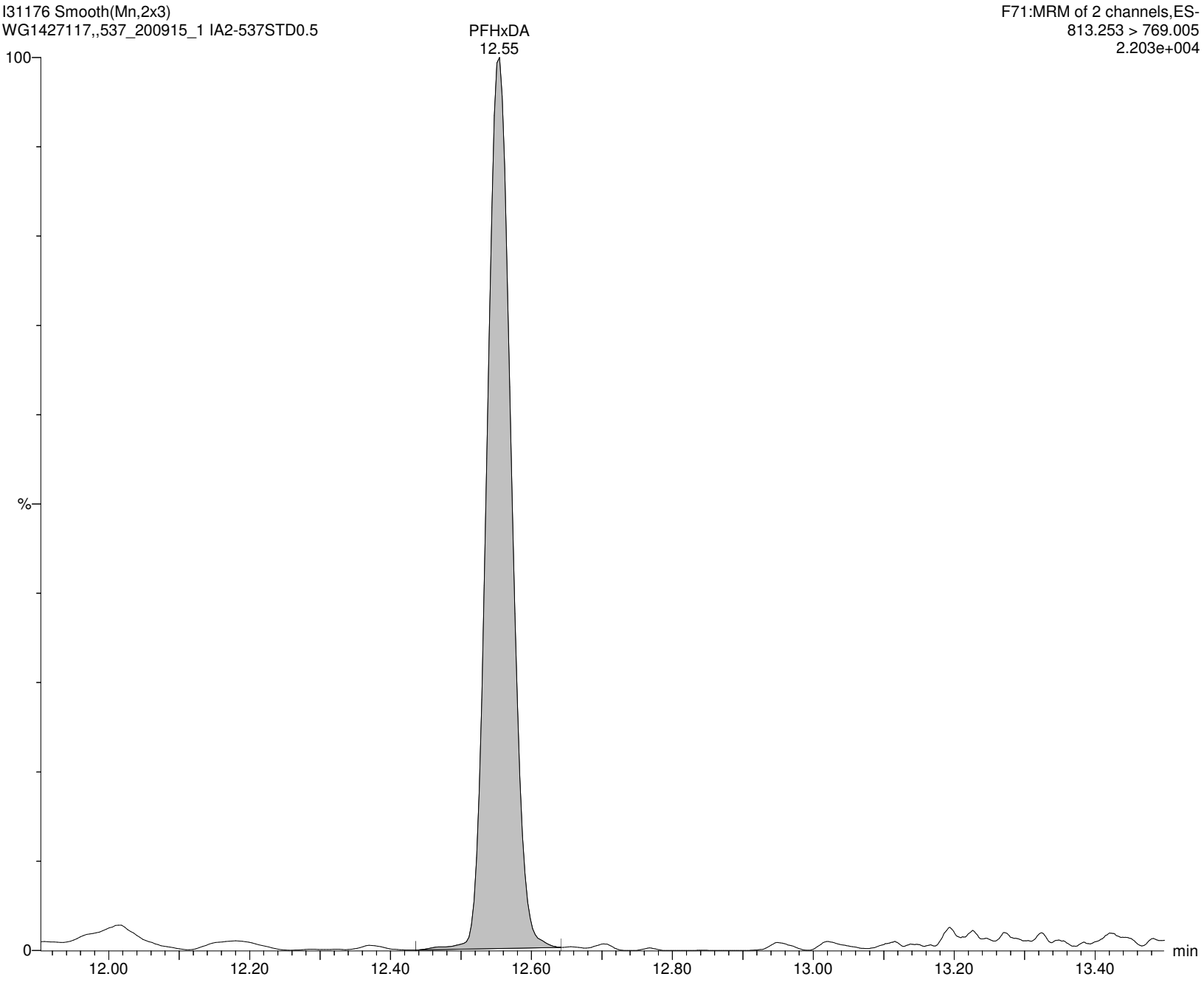

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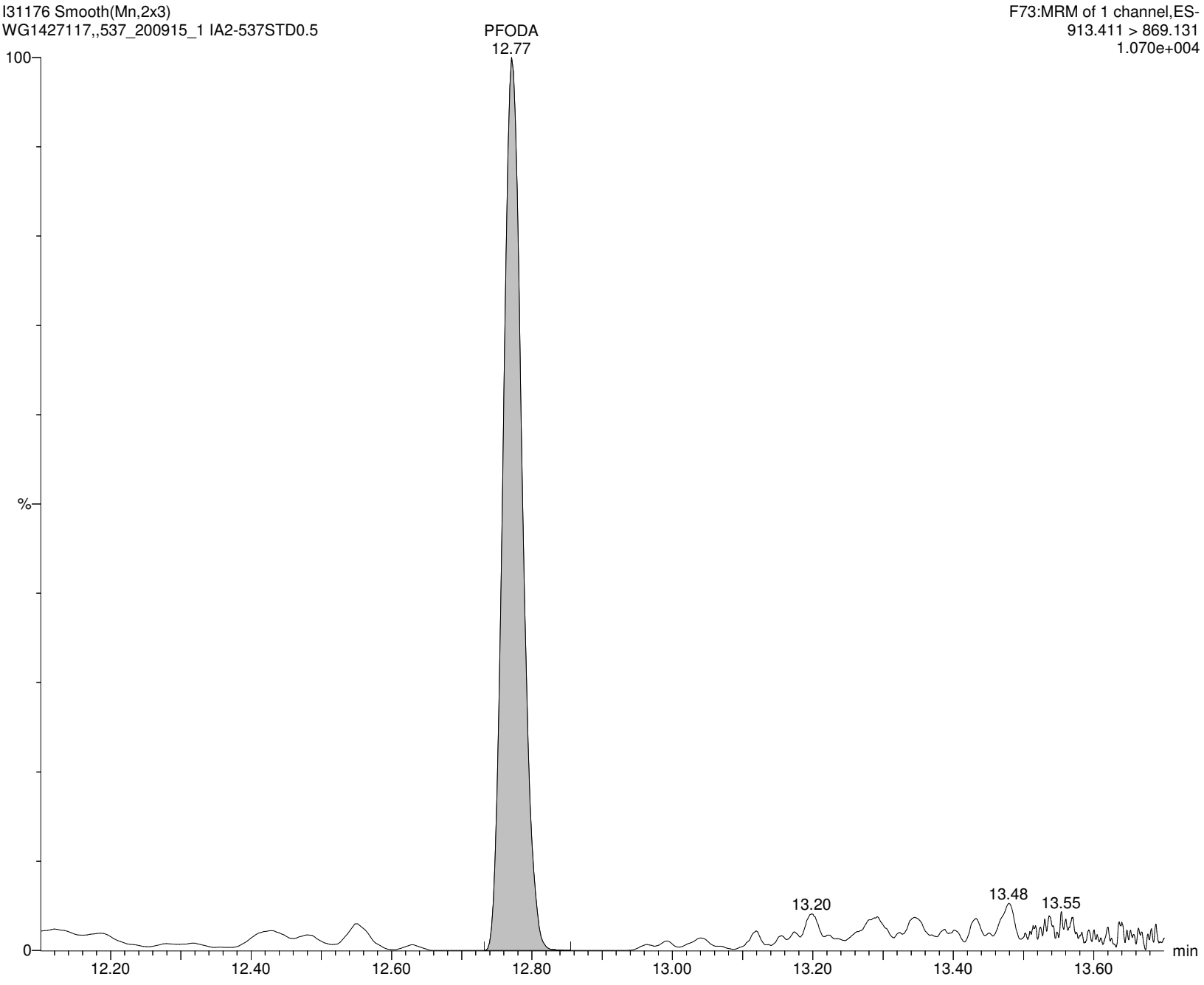

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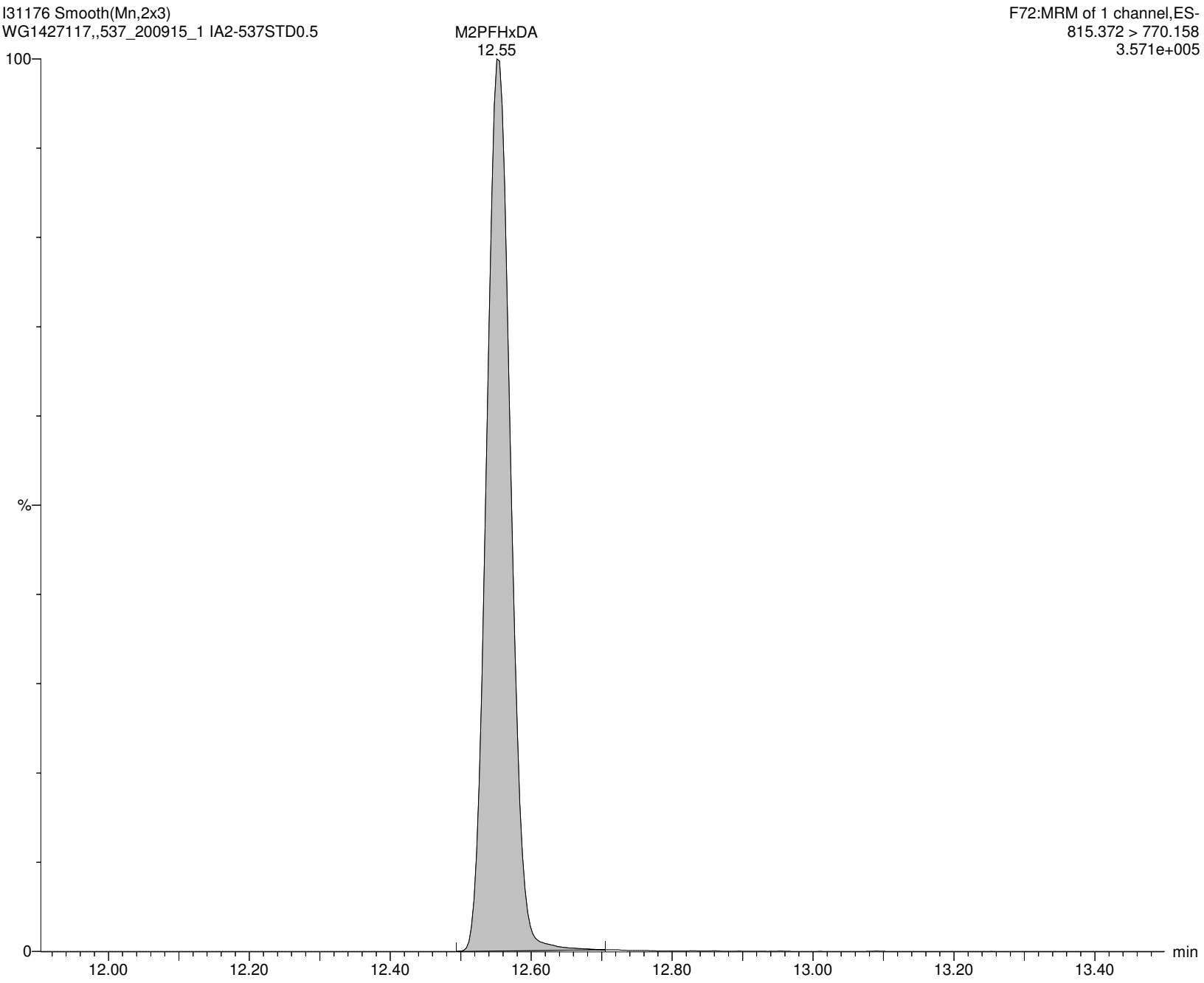

all concentration units in (ng/mL)

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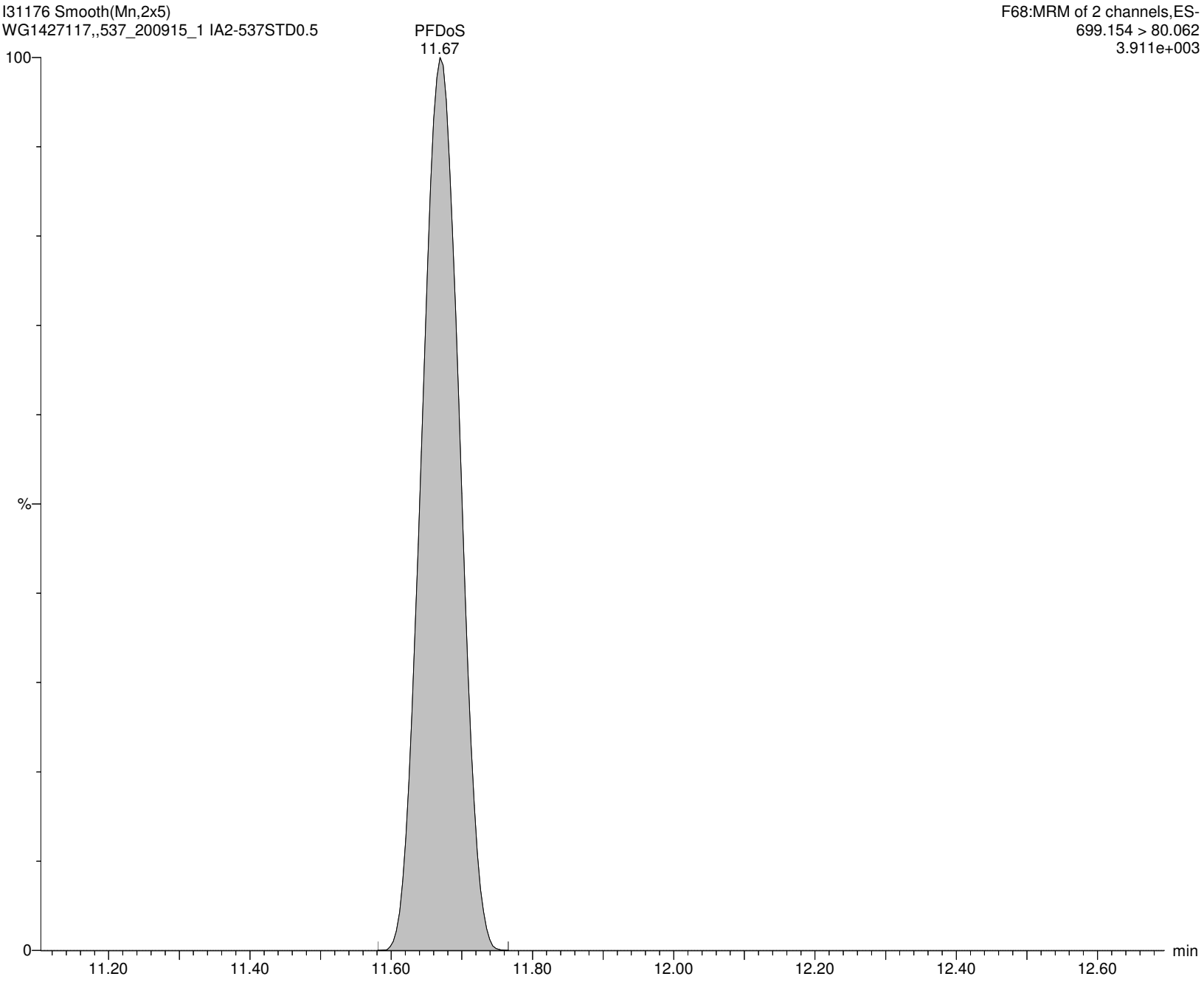

all concentration units in (ng/mL)

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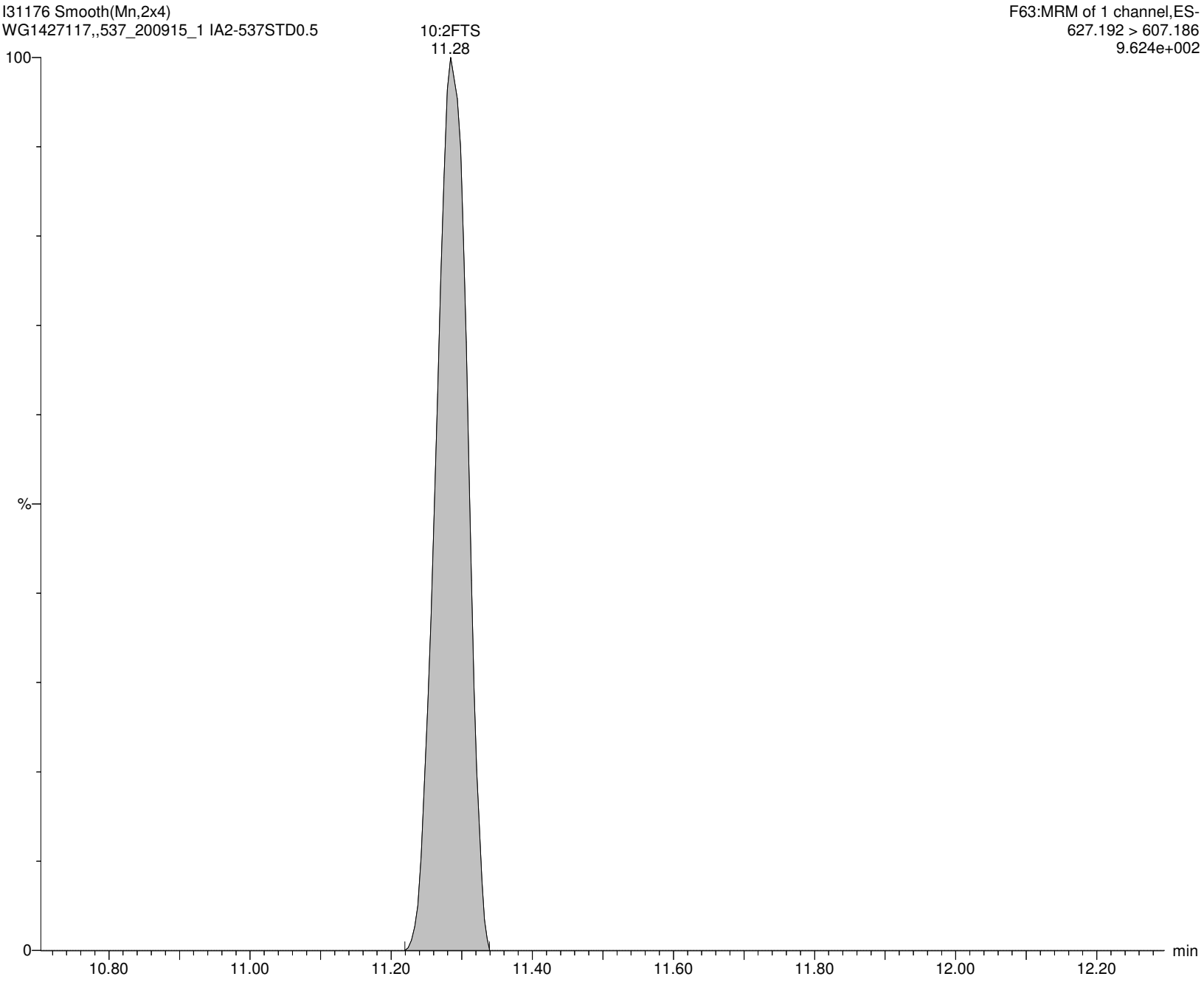

all concentration units in (ng/mL)

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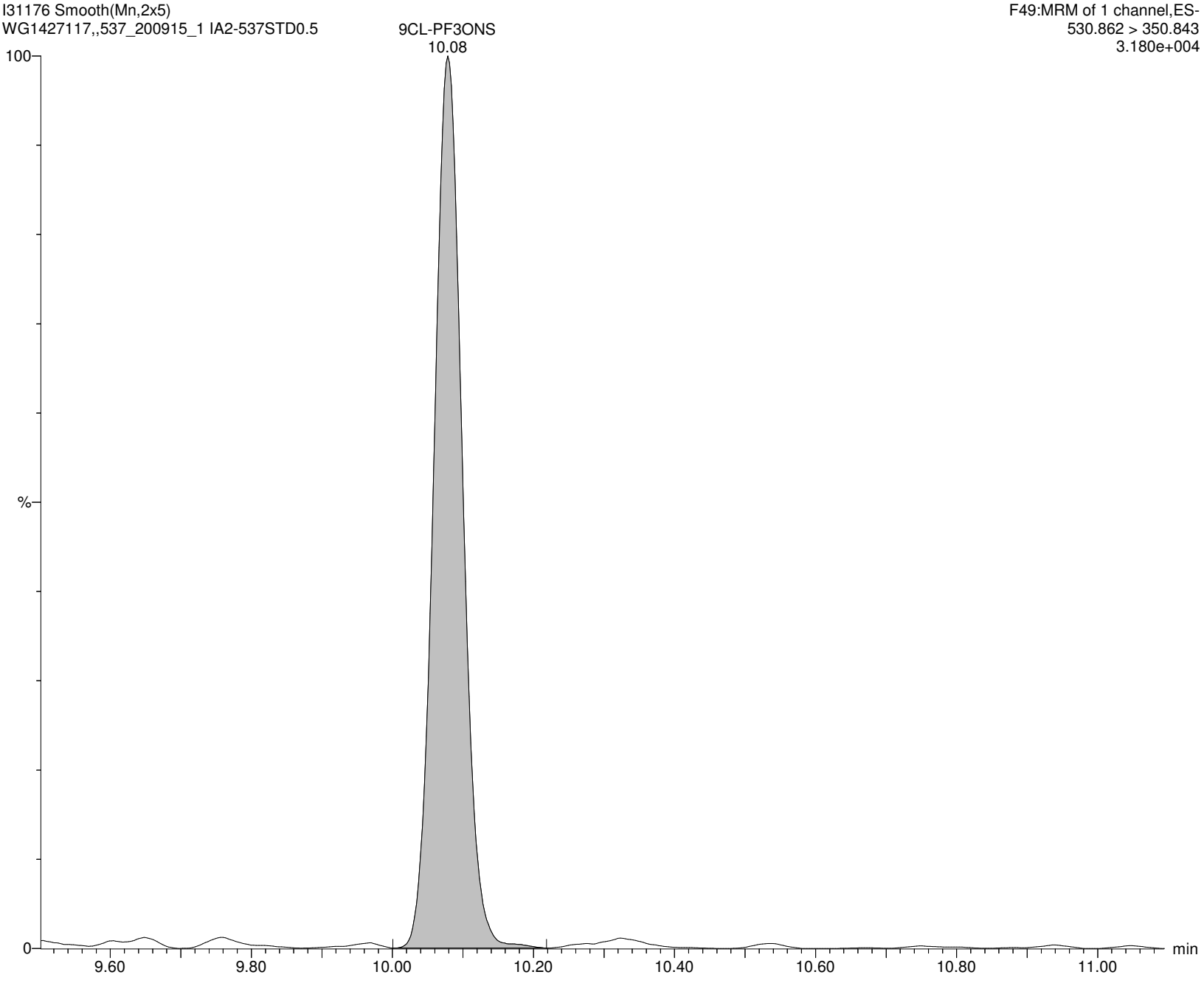

all concentration units in (ng/mL)

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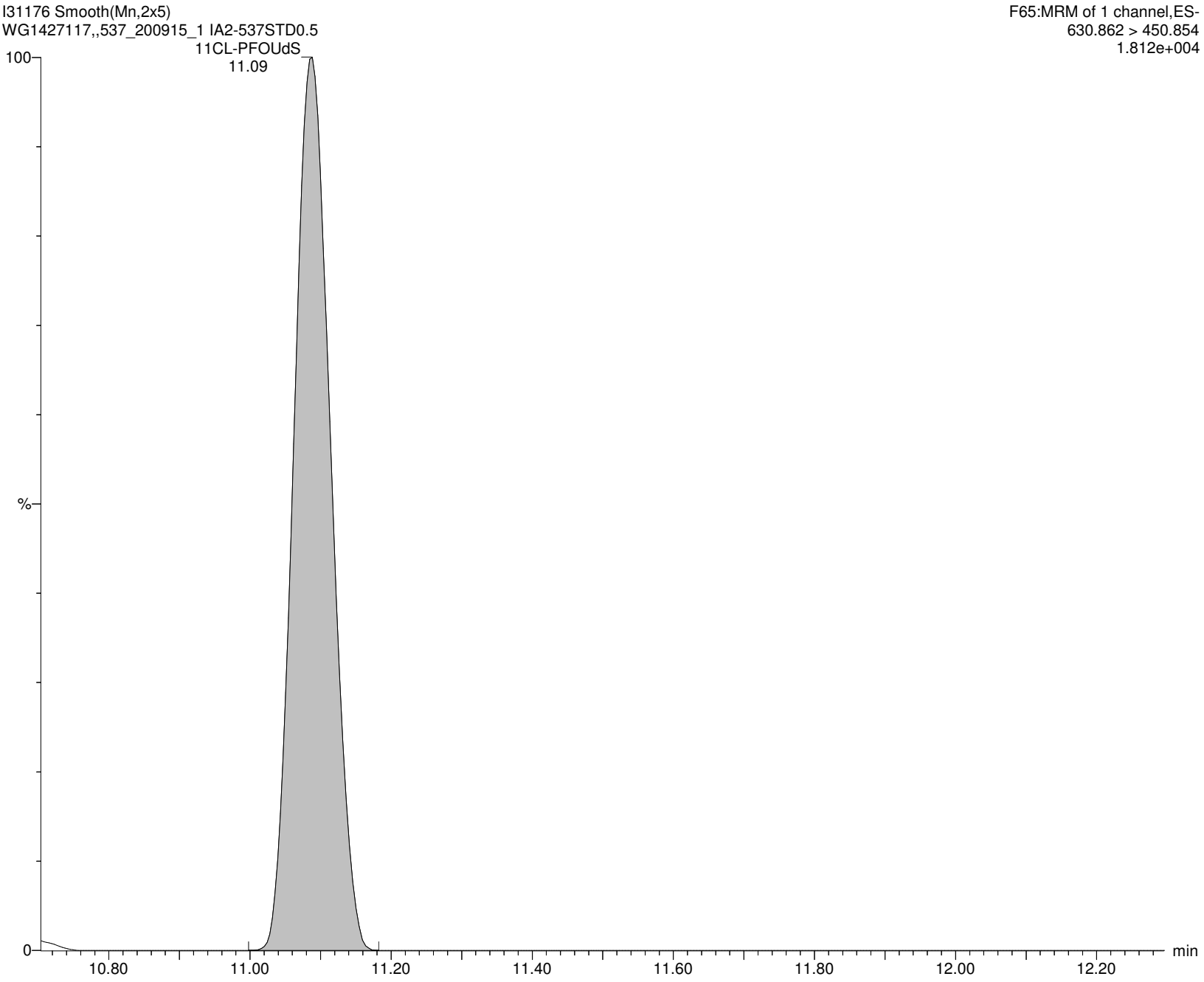

all concentration units in (ng/mL)

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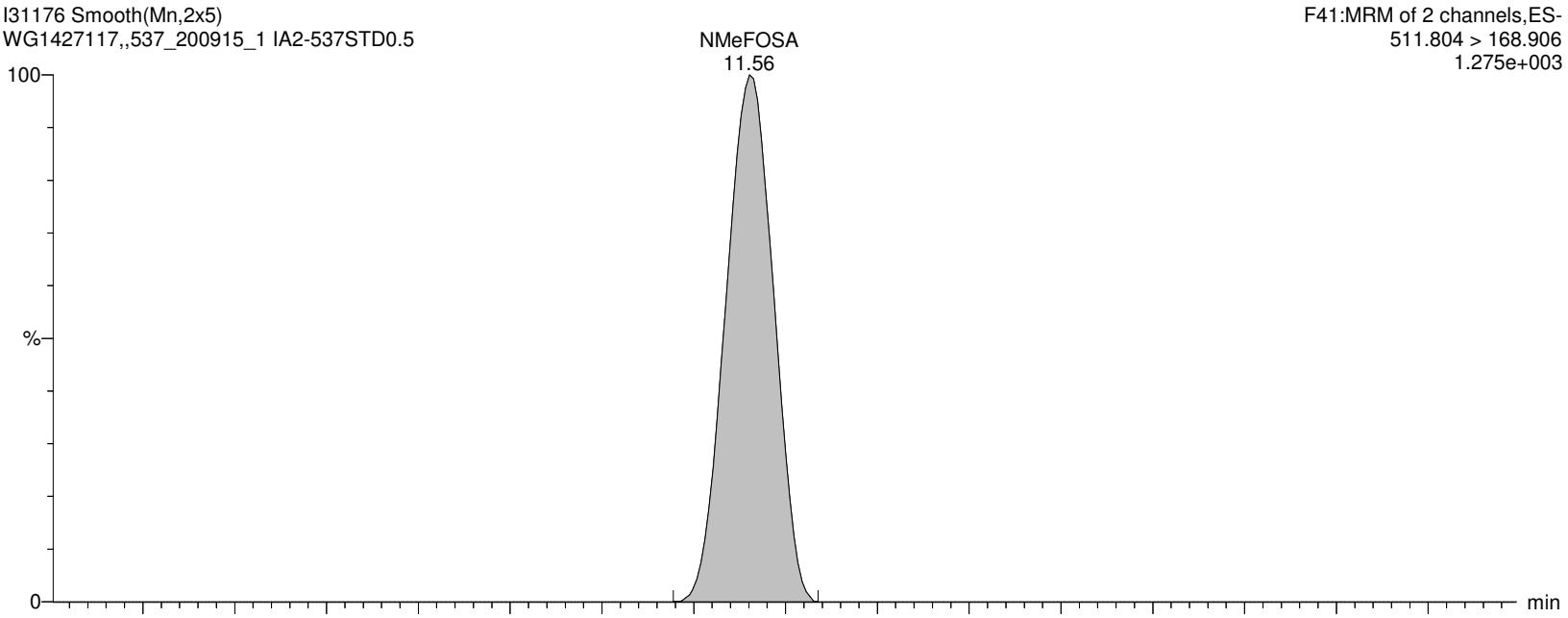

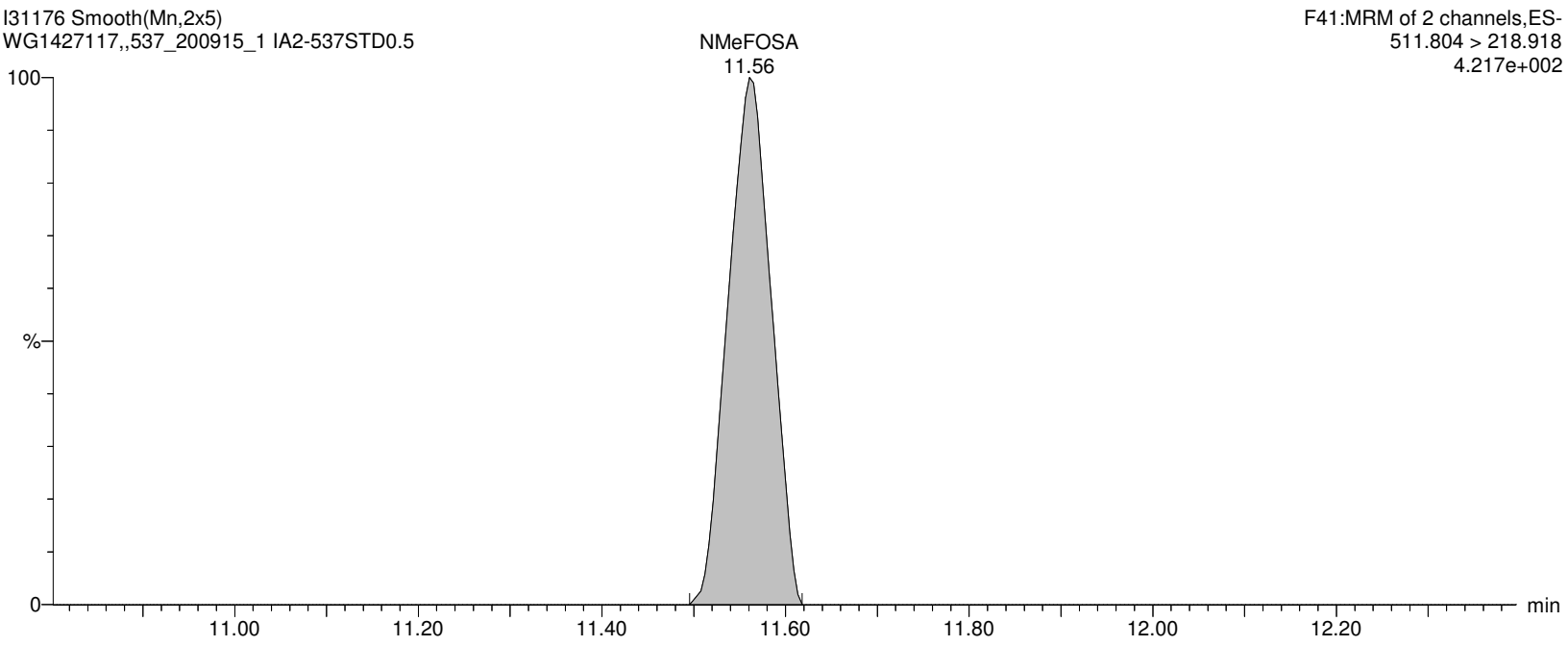

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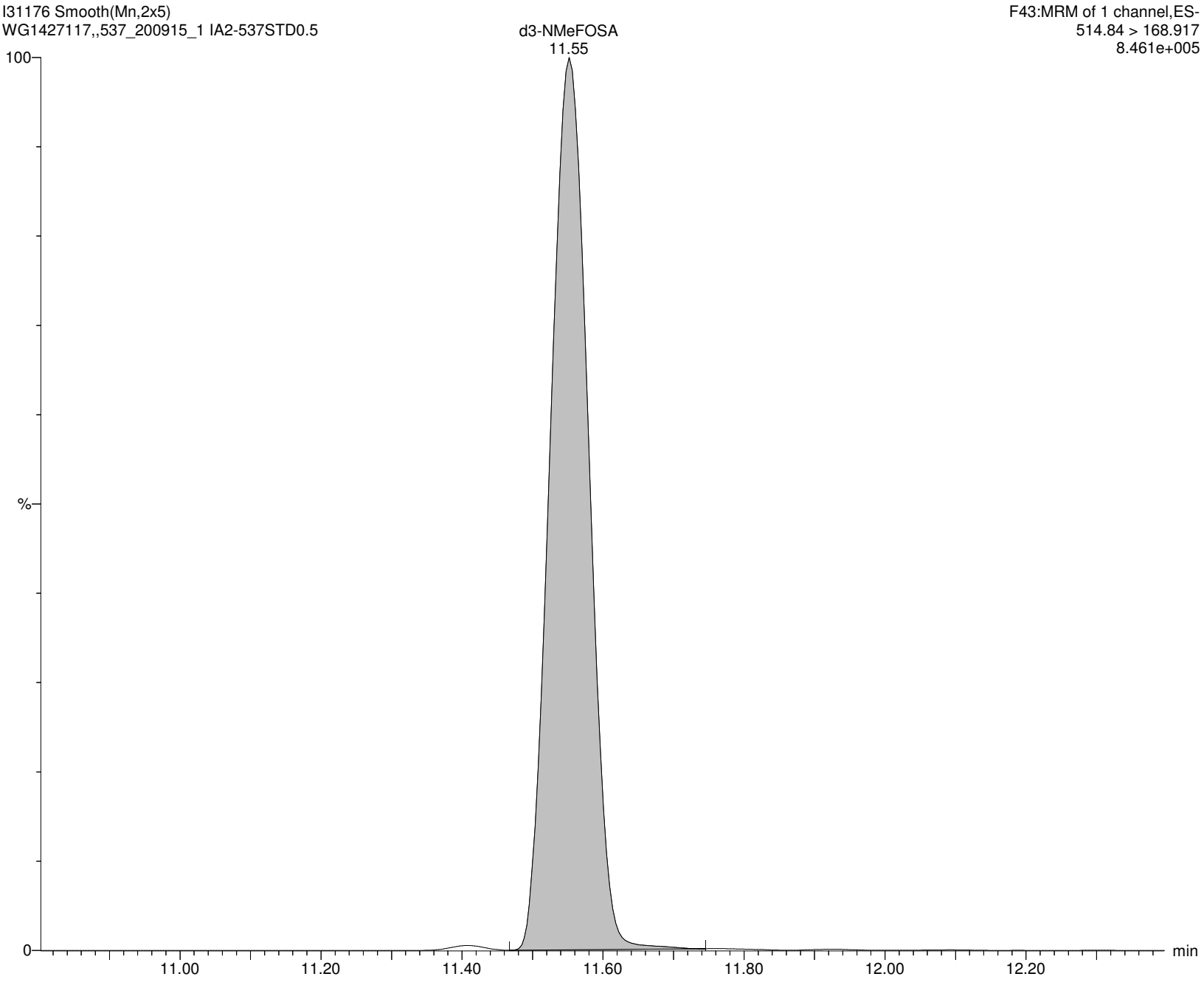

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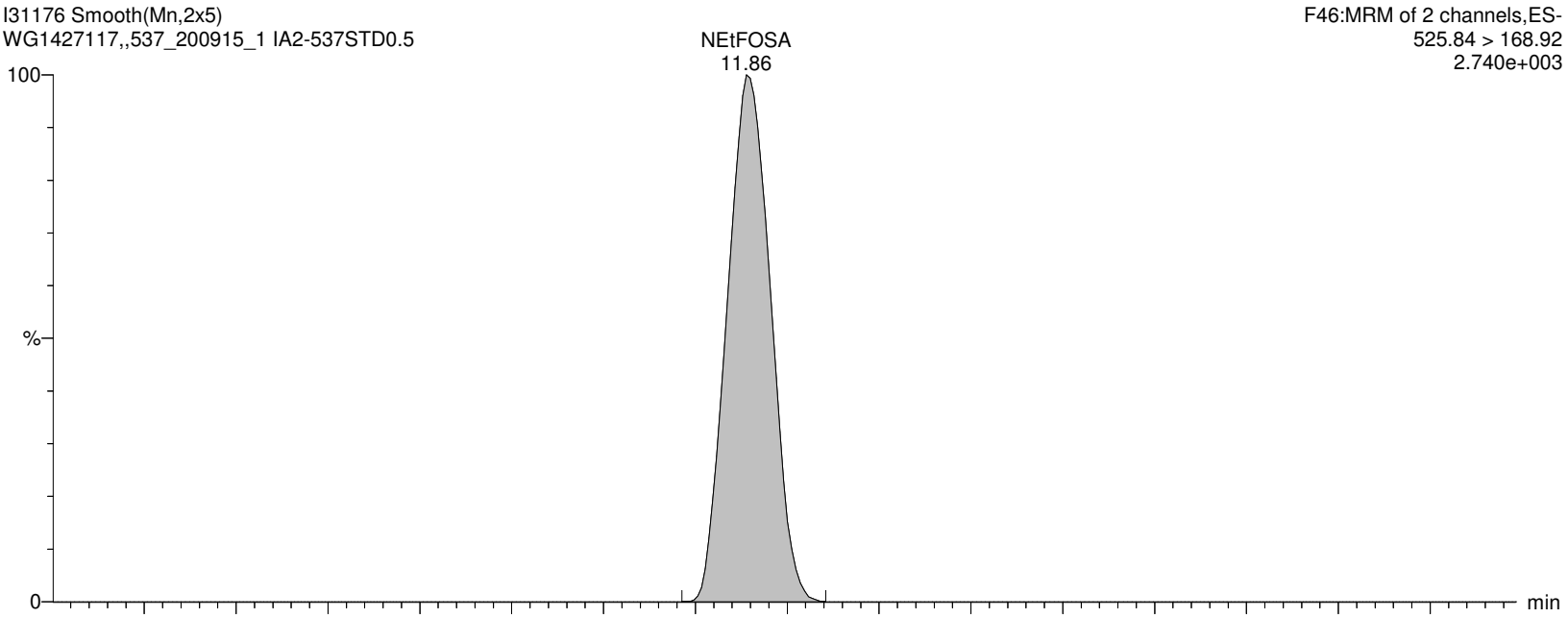

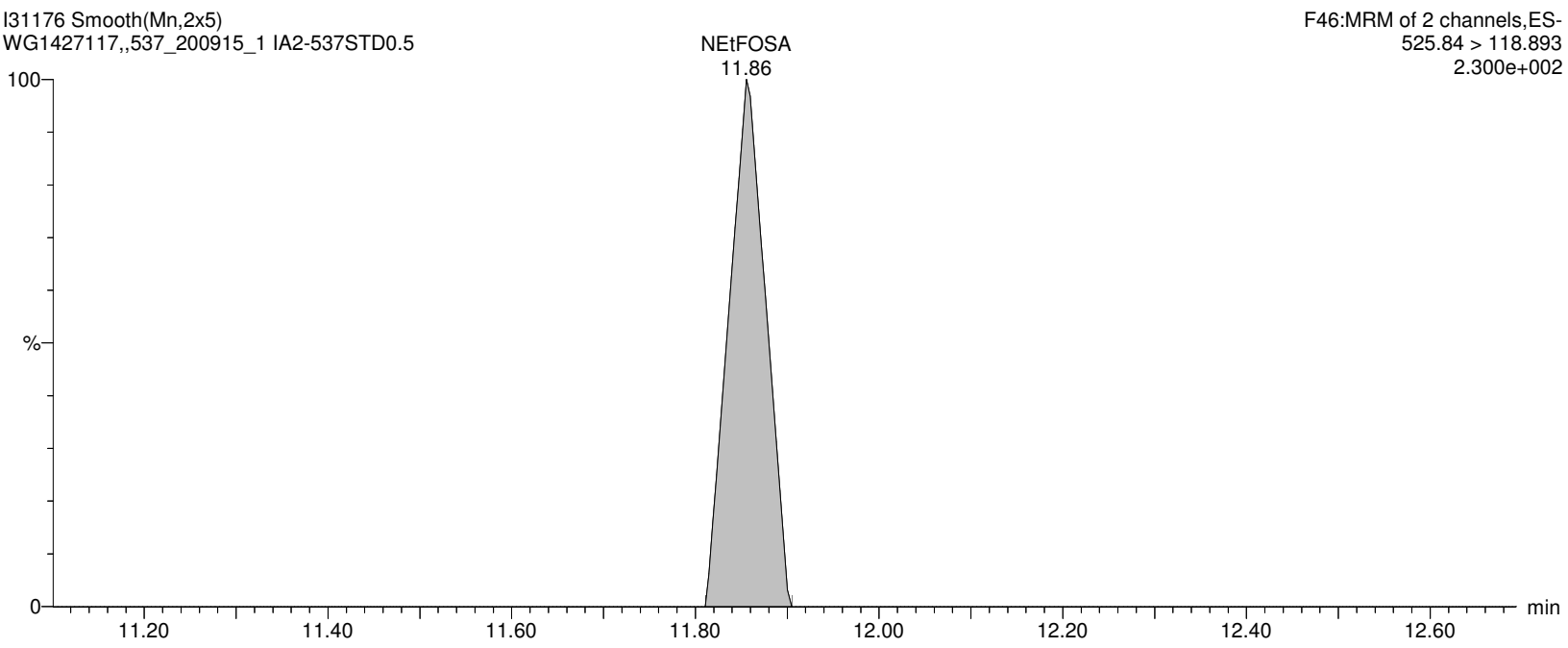

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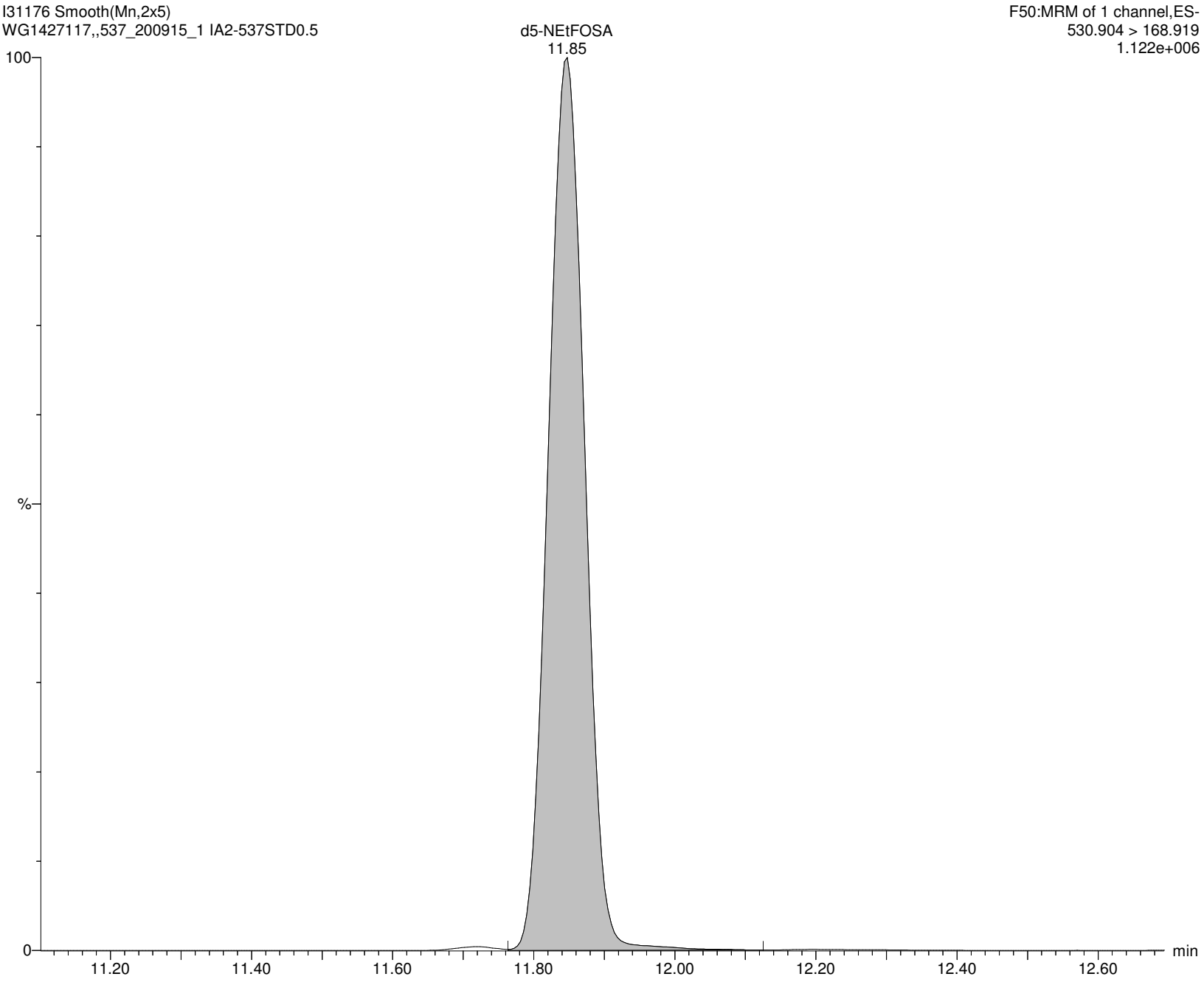

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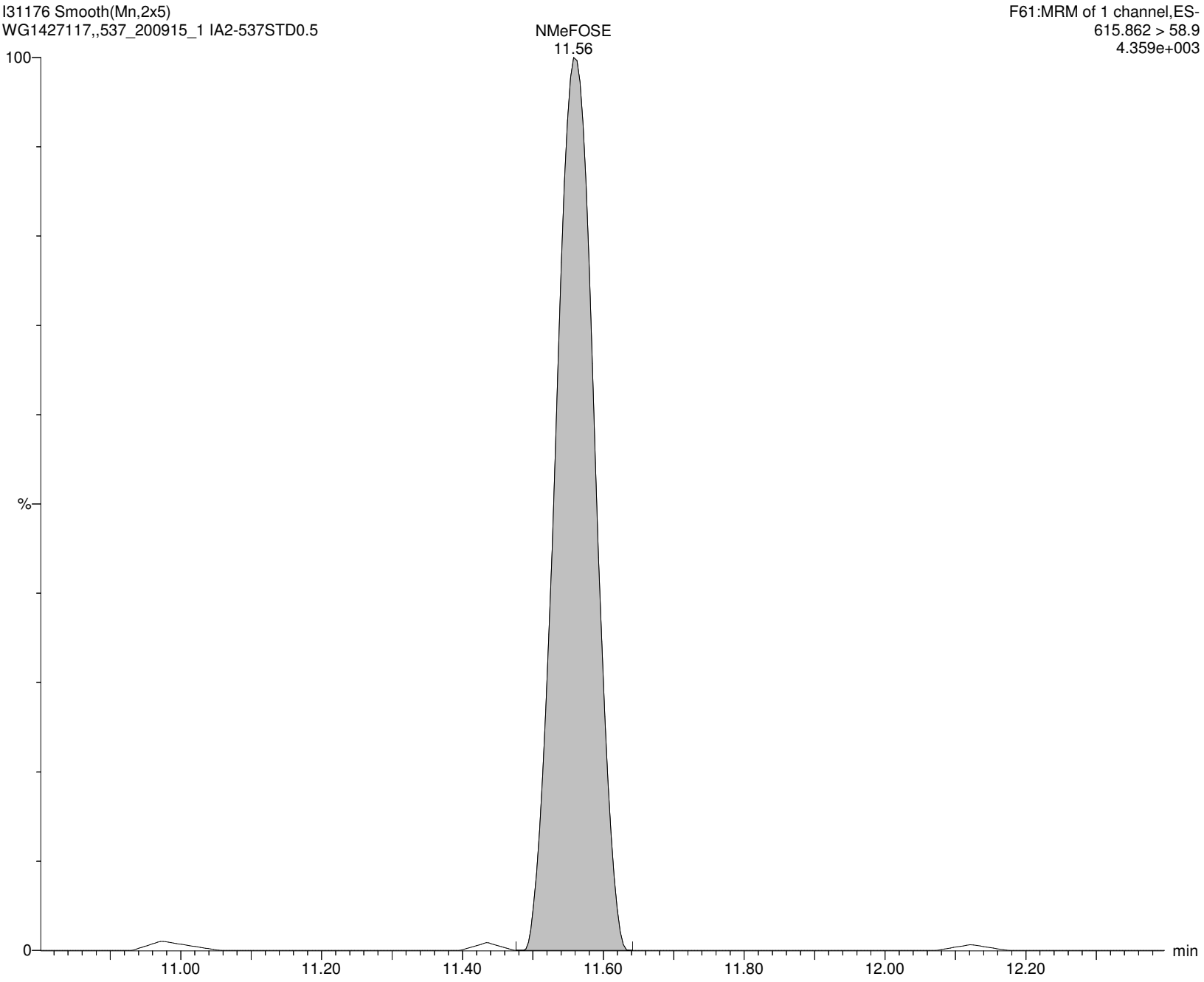

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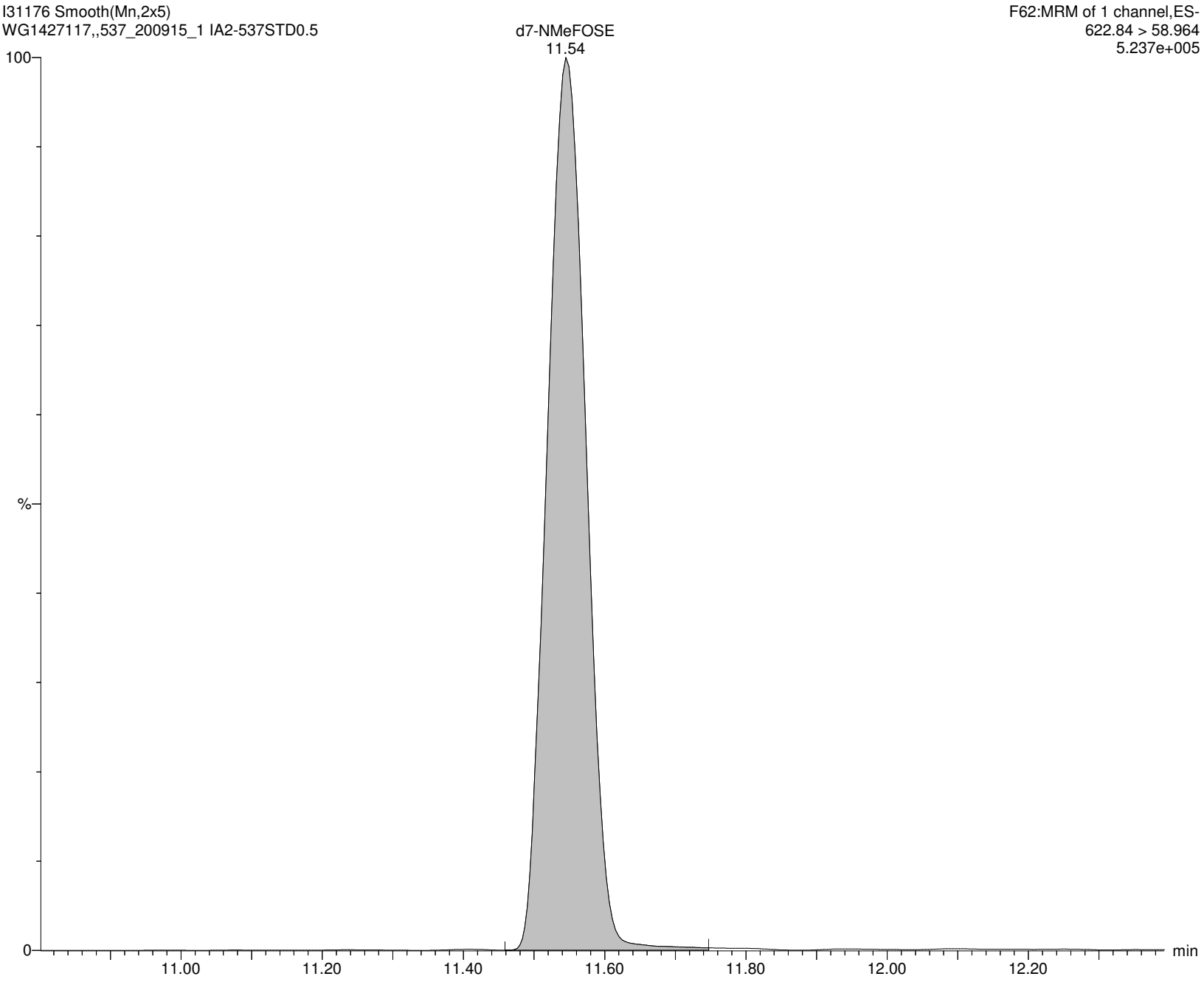
d7-NMeFOSE



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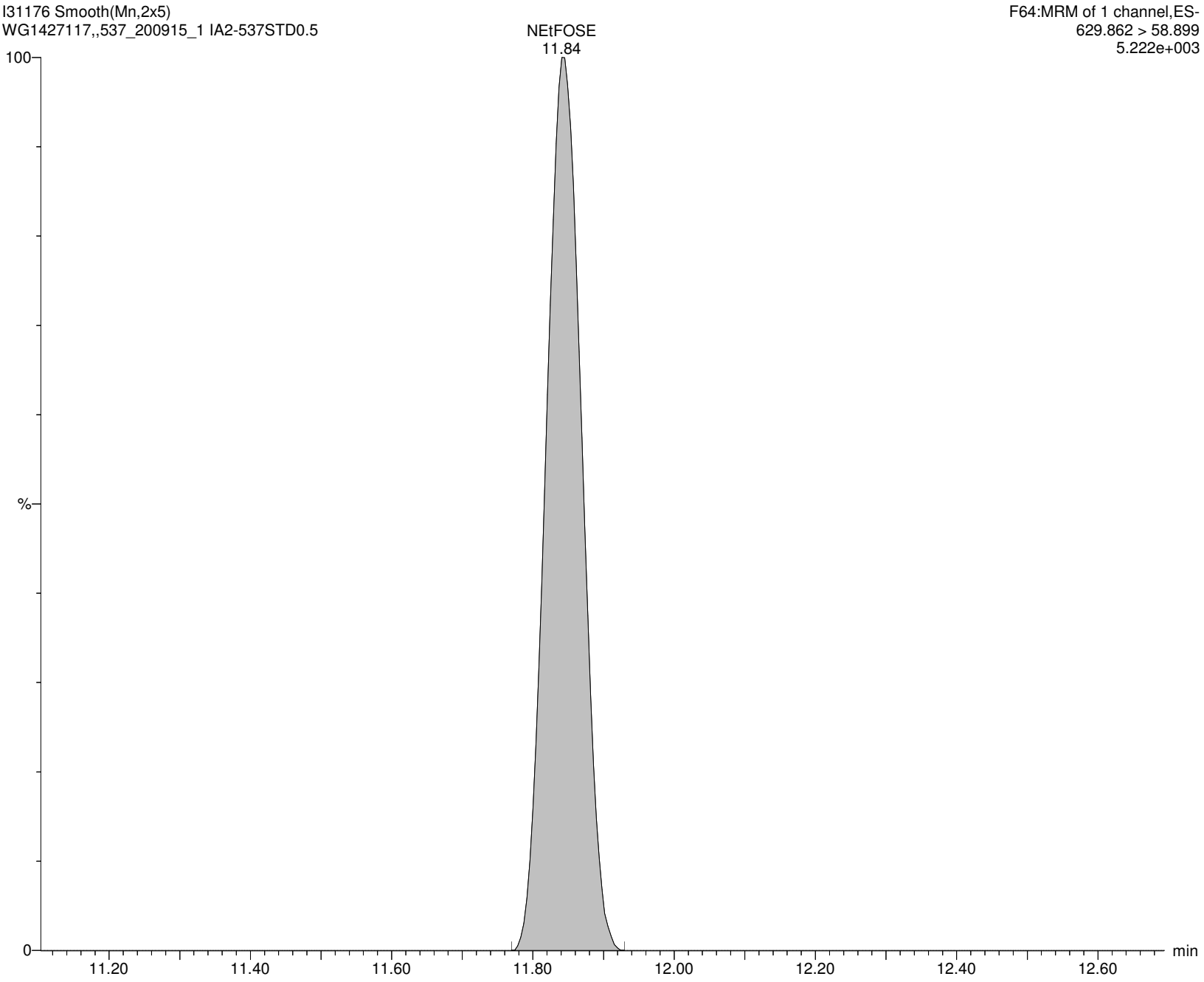
NEtFOSE



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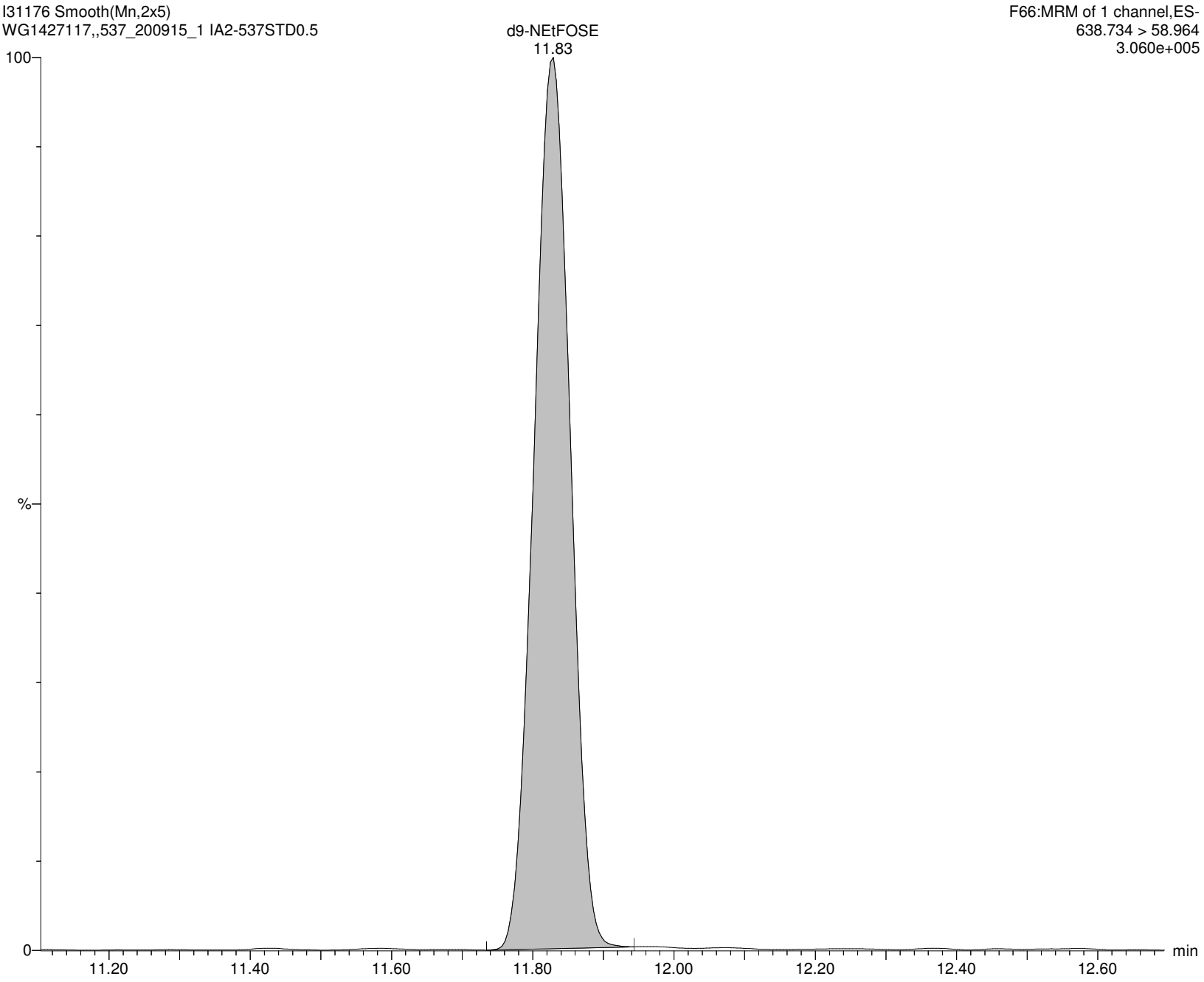
d9-NEtFOSE



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:15:17 Eastern Daylight Time

Name: I31176
ID: IA2-537STD0.5
Date: 27-Oct-2020
Time: 17:40:30
Description: WG1427117,,537_200915_1
User: LCMS02:JW
Vial: 1:A,2
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\200520_TUNE.IPR
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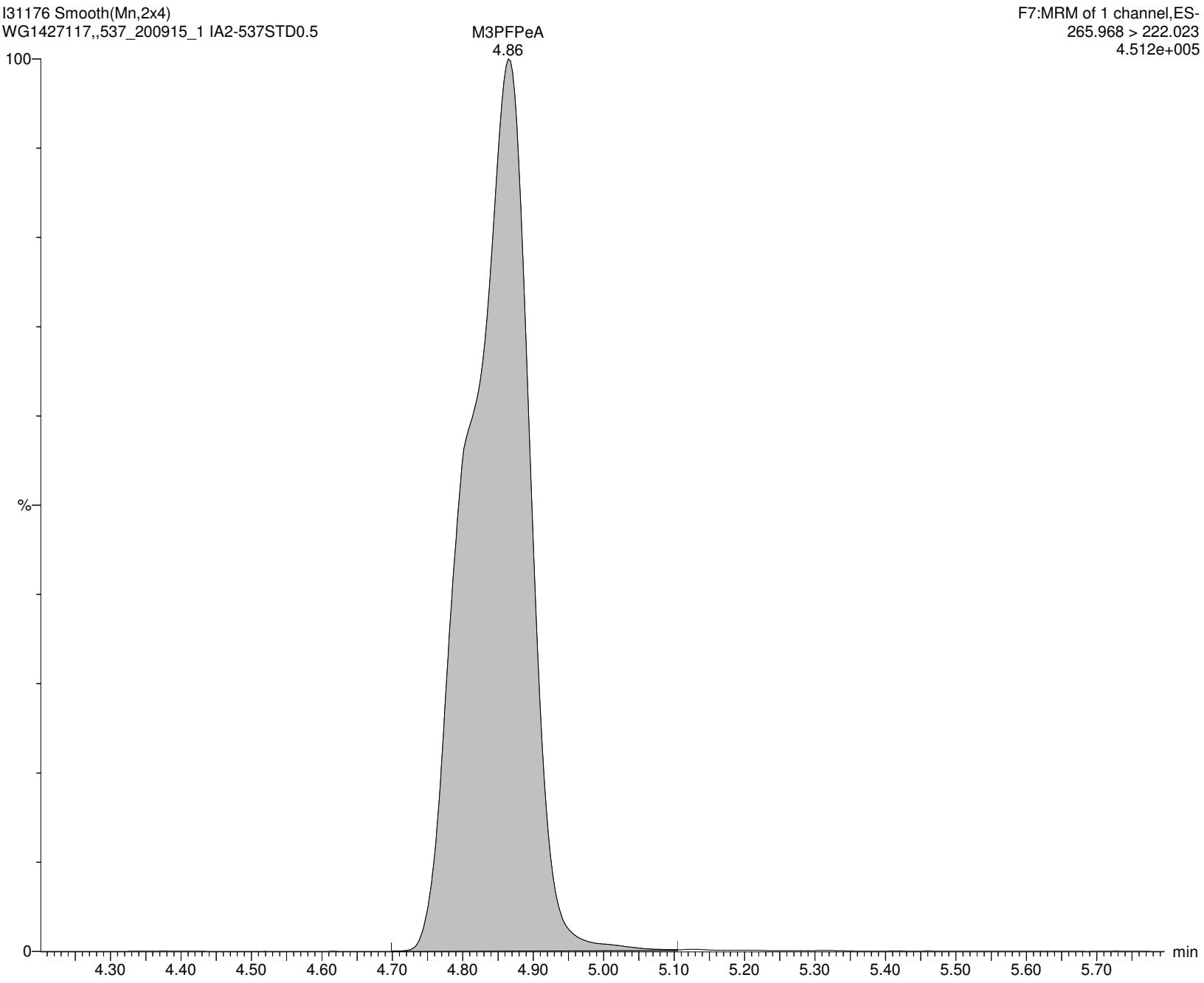

all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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ID: IA2-537STD0.5
Date: 27-Oct-2020
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Description: WG1427117,,537_200915_1
User: LCMS02:JW
Vial: 1:A,2
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
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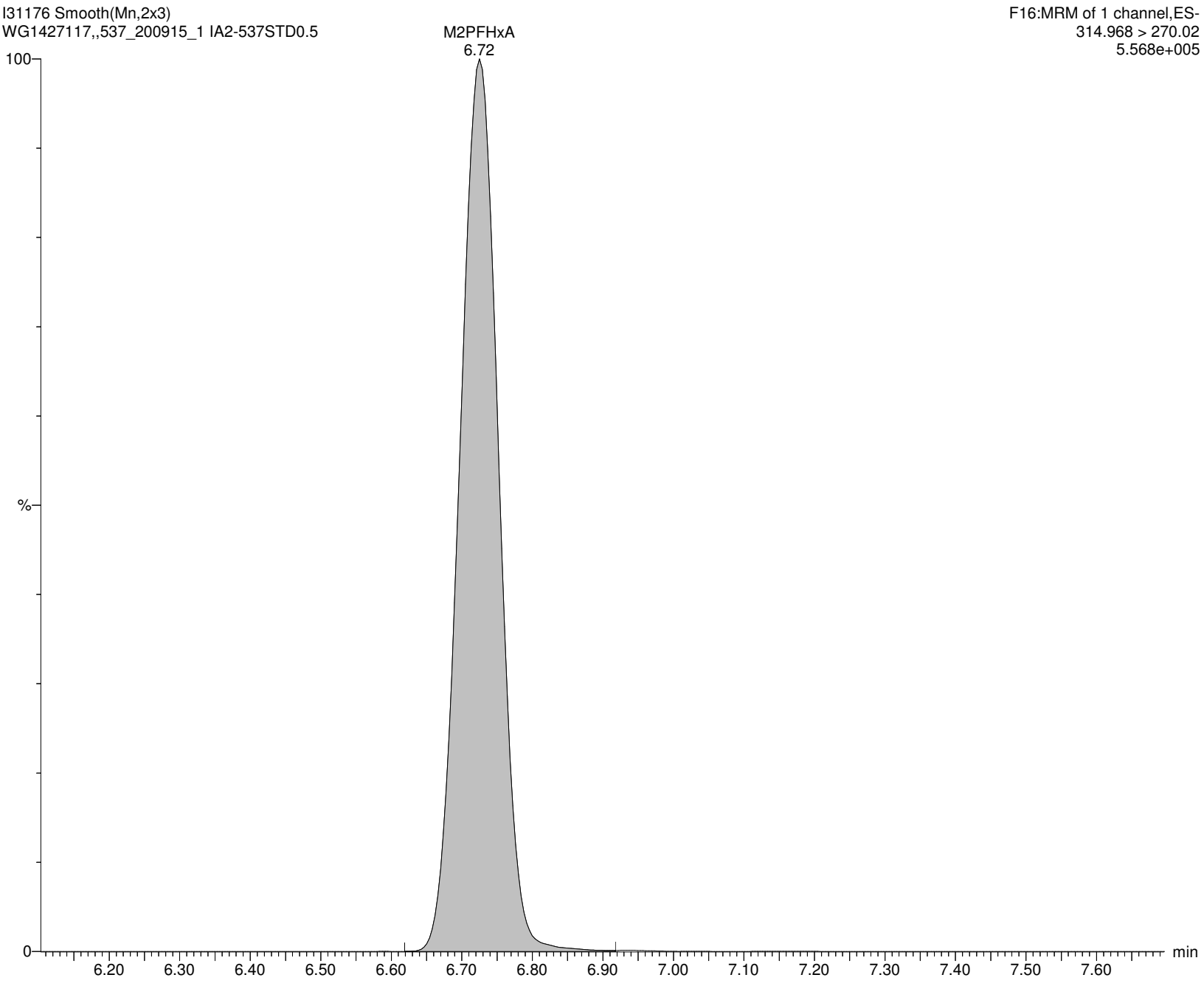

all concentration units in (ng/mL)

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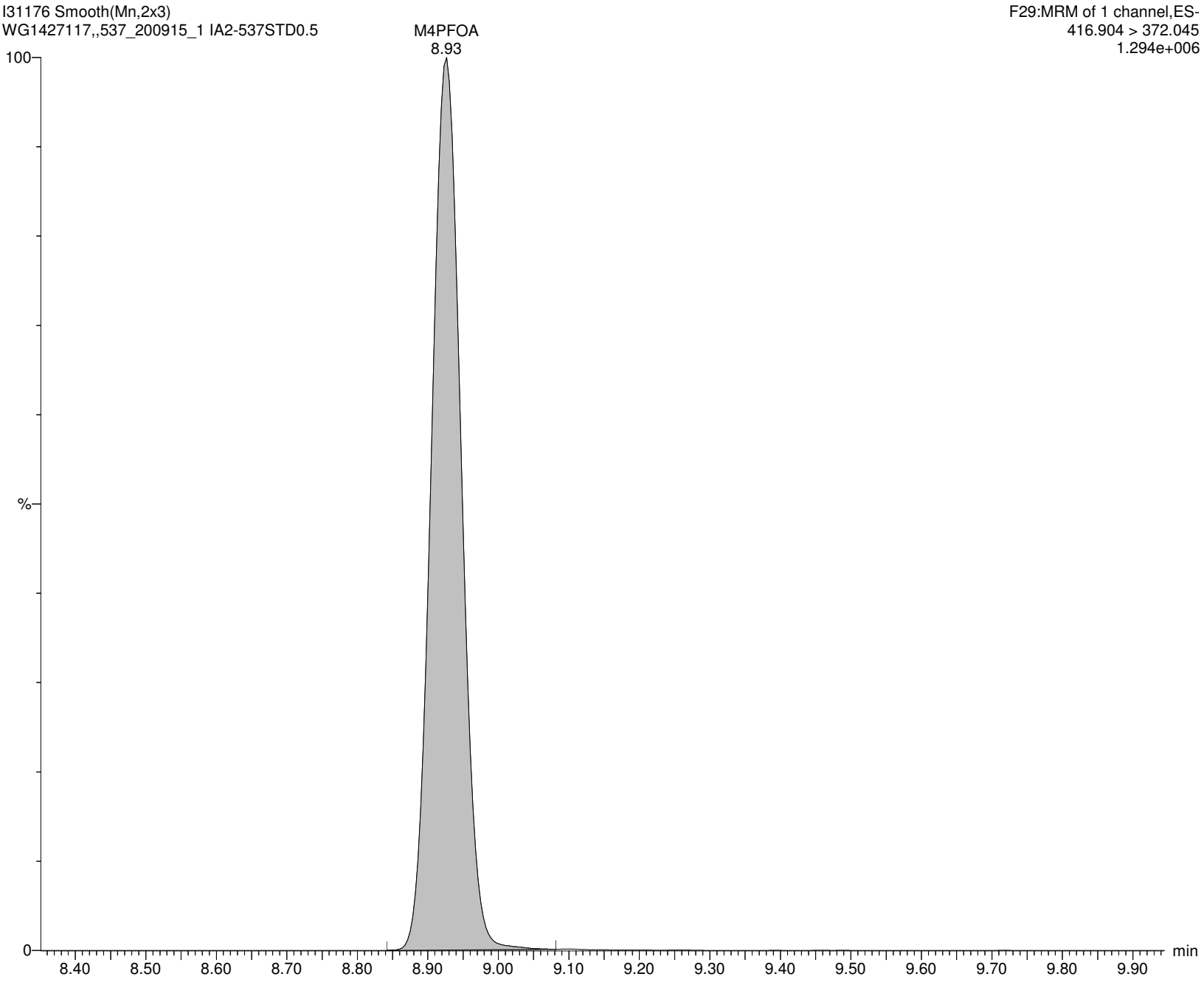

all concentration units in (ng/mL)

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Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:15:45 Eastern Daylight Time

Method: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\MethDB\537ISO_Q_201027_TOP.mdb 15 Sep 2020 15:13:47
Calibration: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\CurveDB\201027_ISO_ICAL.cdb 28 Oct 2020 10:14:48

ID: IA2-537STD1.0
Name: I31177
Date: 27-Oct-2020
Time: 17:57:04
Description: WG1427117,,537_200915_2
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:JW
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Tune Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\200520_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4	2.00	212.926 > 169.111	2611		1.004		na	100.4
2	M3PFBA	INT STD	2.00	215.926 > 172.122	28341		9.649		na	96.5
3	MPFBA	INT STD	2.00	216.926 > 172.137	33983		9.917		na	99.2
4	PFPeA	2706-90-3	4.85	262.926 > 219.002	3266		1.022		na	102.2
5	M5PFPEA	INT STD	4.85	267.989 > 223.081	44622		10.114		na	101.1
6	PFBS	375-73-5	5.50	298.926 > 79.923	853		0.887	2.10	NO	100.2
7	M3PFBS	INT STD	5.50	301.989 > 80.254	9103		9.750		na	97.5
8	4:2FTS	757124-72-4	6.65	326.926 > 306.957	203		1.103	3.48	YES	118.0
9	M2-4:2FTS	INT STD	6.65	329.117 > 309.079	2955		8.639		na	86.4
10	PFHxA	307-24-4	6.72	312.989 > 269.028	3941		1.081	13.59	NO	108.1
11	M5PFHxA	INT STD	6.73	317.989 > 273.045	39991		9.771		na	97.7
12	PFPeS	2706-91-4	7.05	348.926 > 80.251	705		0.885	1.94	NO	94.2
13	PFHpA	375-85-9	7.99	362.926 > 319.014	5155		1.043	5.75	NO	104.3
14	M4PFHpA	INT STD	7.99	366.926 > 321.979	51154		9.961		na	99.6
15	br-PFHxS	355-46-4	7.92	398.926 > 80.295	123	M5,M7	0.184	2.71	YES	108.1
16	L-PFHxS	355-46-4	8.15	398.926 > 80.295	683		0.792	1.54	NO	107.0
17	PFHxS	355-46-4		398.926 > 80.295	806		0.976		na	
18	M3PFHxS	INT STD	8.15	401.926 > 80.317	8297		10.041		na	100.4
19	br-PFOA	335-67-1		412.989 > 368.9			ND		YES	
20	L-PFOA	335-67-1	8.93	412.989 > 368.9	6037		1.023	8.01	YES	102.3
21	M2PFOA	INT STD	8.93	415.032 > 369.968	63010		10.089		na	100.9
22	PFOA	335-67-1		412.989 > 368.9	6037		1.023		na	
23	M8PFOA	INT STD	8.93	420.989 > 375.979	70625		10.208		na	102.1
24	6:2FTS	27619-97-2	8.88	427.161 > 407.155	230	M7	0.870	47.97	YES	91.5
25	M2-6:2FTS	INT STD	8.88	429.146 > 409.14	3306		8.844		na	88.4
26	PFHpS	375-92-8	9.02	448.926 > 80.257	692		1.042	1.15	NO	109.7
27	PFNA	375-95-1	9.68	462.989 > 418.931	5129		1.023	3.06	NO	102.3
28	M9PFNA	INT STD	9.68	472.053 > 426.947	26851		10.134		na	101.3
29	br-PFOS	1763-23-1	9.55	498.989 > 80.294	217	m5,m7	0.210	5.95	YES	105.2
30	L-PFOS	1763-23-1	9.74	498.989 > 80.294	704	m7	0.811	1.86	NO	111.1
31	PFOS	1763-23-1		498.989 > 80.294	921		1.022		na	
32	M4PFOS	INT STD	9.74	503.032 > 80.306	7629		10.212		na	102.1
33	M8PFOS	INT STD	9.74	507.053 > 80.294	9523		9.991		na	99.9
34	PFDA	335-76-2	10.30	513.053 > 468.906	4365		1.015	4.39	NO	101.5
35	M2PFDA	INT STD	10.29	515.053 > 469.934	46106		10.614		na	106.1
36	M6PFDA	INT STD	10.29	519.053 > 473.931	50155		9.947		na	99.5
37	8:2FTS	39108-34-4	10.29	527.177 > 507.171	111	m7	0.806	33.43	NO	83.9
38	M2-8:2FTS	INT STD	10.28	529.162 > 509.155	2360		9.065		na	90.7
39	PFNS	68259-12-1	10.33	548.989 > 80.249	760	M7	1.009	1.51	NO	105.1

all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:15:45 Eastern Daylight Time

ID: IA2-537STD1.0
Name: I31177
Date: 27-Oct-2020
Time: 17:57:04
Description: WG1427117,,537_200915_2
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:JW
Inlet Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\200520_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.71	573.22 > 419.061	4987		9.487		na	94.9
41	br-NMeFOSAA		10.55	570.202 > 419.061	20	m5,m7	0.113	2.24	YES	47.0
42	L-NMeFOSAA		10.71	570.202 > 419.061	377	M7	0.825	5.16	YES	108.6
43	NMeFOSAA	2355-31-9		570.202 > 419.061	398		0.938		na	
44	PFUnA	2058-94-8	10.82	562.989 > 518.903	4352		1.033	7.22	NO	103.3
45	M7-PFUDA	INT STD	10.82	570.053 > 524.923	45160		10.480		na	104.8
46	PFDS	335-77-3	10.83	598.926 > 80.314	772		1.051	1.51	NO	109.0
47	FOSA	754-91-6	10.94	498.146 > 78.07	3027	m7	1.093	82.70	NO	109.3
48	M8FOSA	INT STD	10.94	506.077 > 78.07	31730		9.513		na	95.1
49	br-NEtFOSAA		10.87	584.229 > 419.061	27	m5	0.248		YES	110.2
50	L-NEtFOSAA		11.01	584.229 > 419.061	216	m7	0.779	11.20	NO	100.5
51	NEtFOSAA	2991-50-6		584.229 > 419.061	243		1.027		na	
52	d5-NEtFOSAA	INT STD	11.00	589.259 > 419.061	3441		8.209		na	82.1
53	PFDoA	307-55-1	11.27	612.989 > 568.967	5169		1.118	14.08	NO	111.8
54	MPFDOA	INT STD	11.28	614.989 > 569.92	46819		9.672		na	96.7
55	PFTrDA	72629-94-8	11.67	663.053 > 618.969	5335		1.103	10.68	NO	110.3
56	PFTA	376-06-7	12.02	713.053 > 668.976	4502		1.054	6.94	NO	105.4
57	M2PFTEDA	INT STD	12.02	715.094 > 670.092	22414		9.430		na	94.3
58	M3HFPO-DA	INT STD	7.15	287.02 > 169.022	7140		286.047		na	143.0
59	HFPO-DA	13252-13-6	7.16	284.819 > 169.094	724		22.690	14.41	YES	113.4
60	ADONA	958445-44-8	8.17	376.926 > 251.005	7587		0.995		na	105.1
61	PFHxDA		12.55	813.253 > 769.005	2030		1.083		na	108.3
62	PFODA		12.77	913.411 > 869.131	954		0.994		na	99.4
63	M2PFHxDA		12.55	815.372 > 770.158	13538		9.432		na	94.3
64	PFDoS		11.66	699.154 > 80.062	914		1.122		na	112.2
65	10:2FTS		11.29	627.192 > 607.186	88	m2	0.581		na	60.3
66	9CL-PF3ONS		10.08	530.862 > 350.843	2916		0.918		na	98.5
67	11CL-PFOUdS		11.09	630.862 > 450.854	2641		0.919		na	97.5
68	NMeFOSA		11.56	511.804 > 168.906	227		0.693	2.55	YES	69.3
69	d3-NMeFOSA		11.55	514.84 > 168.917	50617		99.955		na	90.9
70	NEtFOSA		11.86	525.84 > 168.92	468		1.132	7.76	YES	113.2
71	d5-NEtFOSA		11.85	530.904 > 168.919	63041		101.565		na	92.3
72	NMeFOSE		11.56	615.862 > 58.9	845		1.013		na	101.3
73	d7-NMeFOSE		11.54	622.84 > 58.964	31126		101.312		na	92.1
74	NEtFOSE		11.85	629.862 > 58.899	949		1.093		na	109.3
75	d9-NEtFOSE		11.83	638.734 > 58.964	17399		97.392		na	88.5
76	M3PFPeA		4.86	265.968 > 222.023	41043		9.739		na	97.4
77	M2PFHxA		6.72	314.968 > 270.02	32976		9.963		na	99.6
78	M4PFOA		8.93	416.904 > 372.045	58029		10.269		na	102.7

all concentration units in (ng/mL)

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Method: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\MethDB\537ISO_Q_201027_TOP.mdb 15 Sep 2020 15:13:47
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Name: I31177
ID: IA2-537STD1.0
Date: 27-Oct-2020
Time: 17:57:04
Description: WG1427117,,537_200915_2
User: LCMS02:JW
Vial: 1:A,3
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\200520_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

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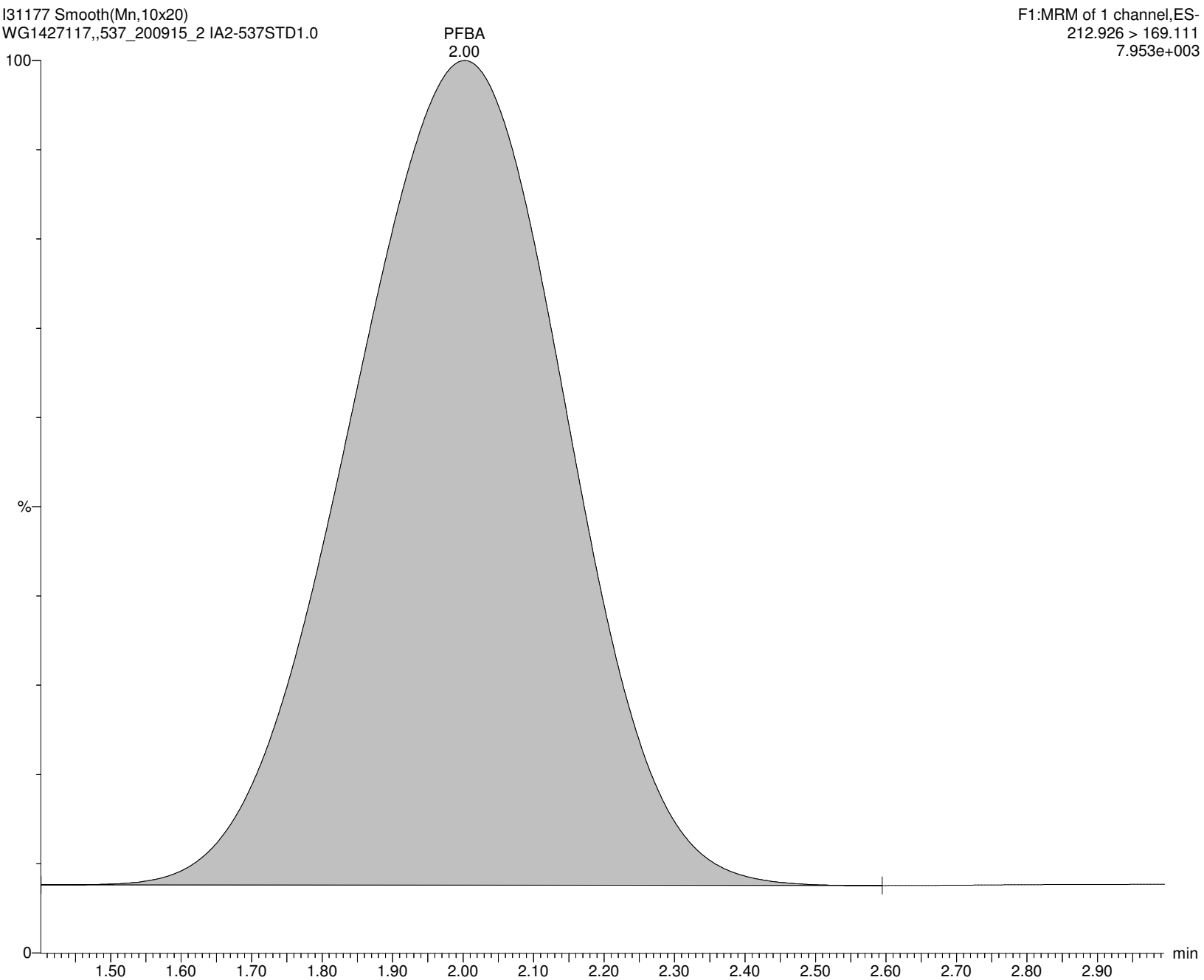

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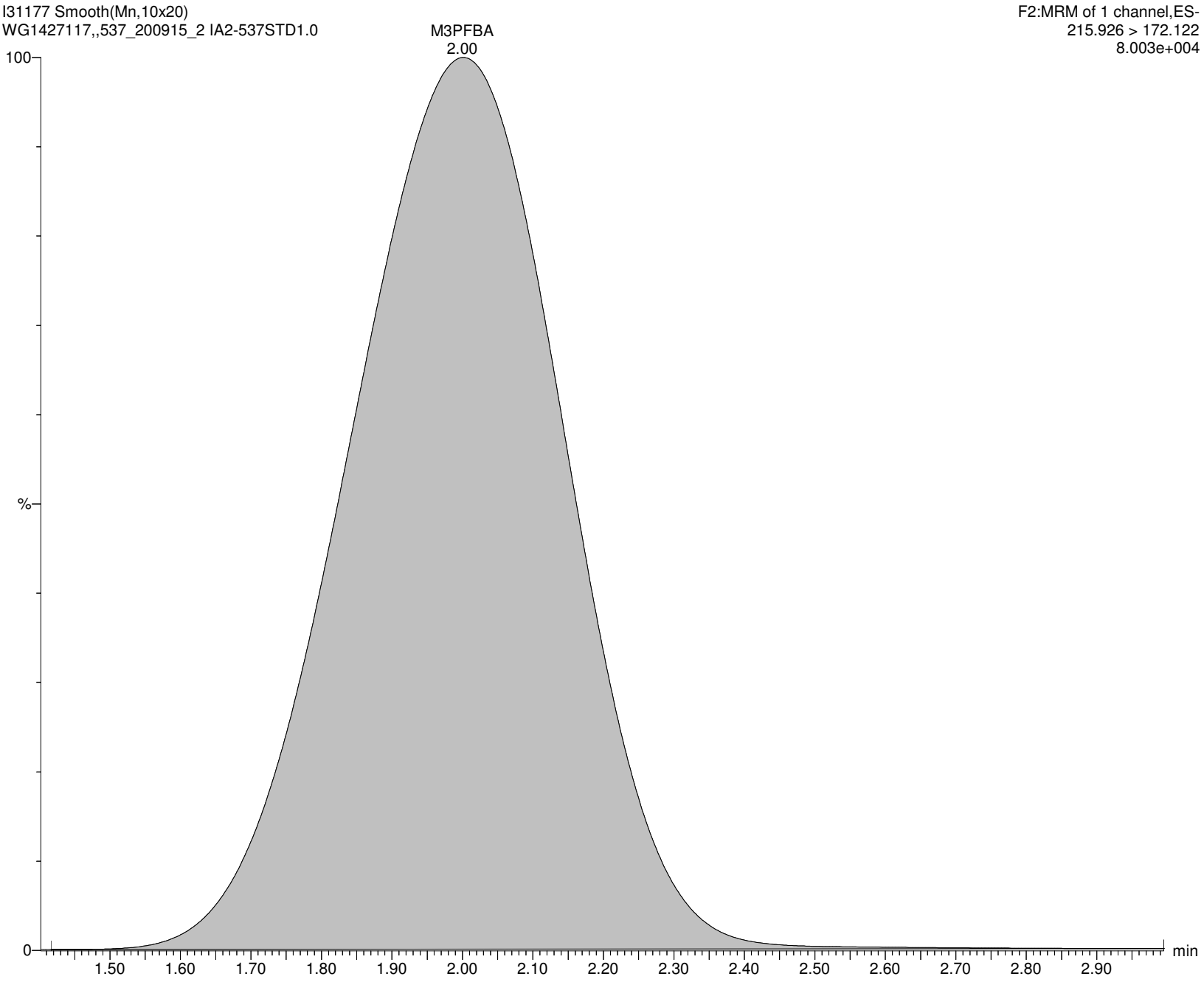

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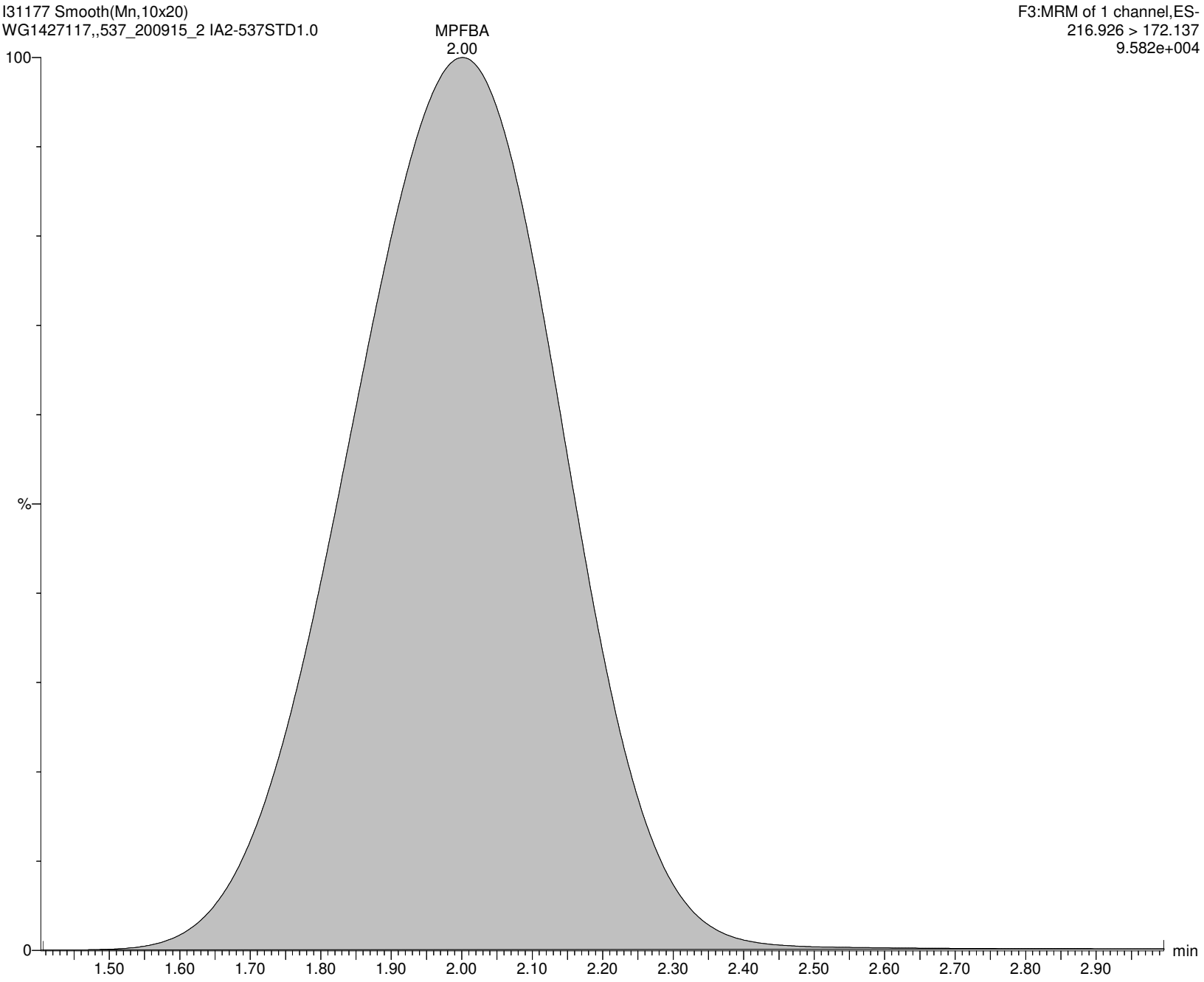

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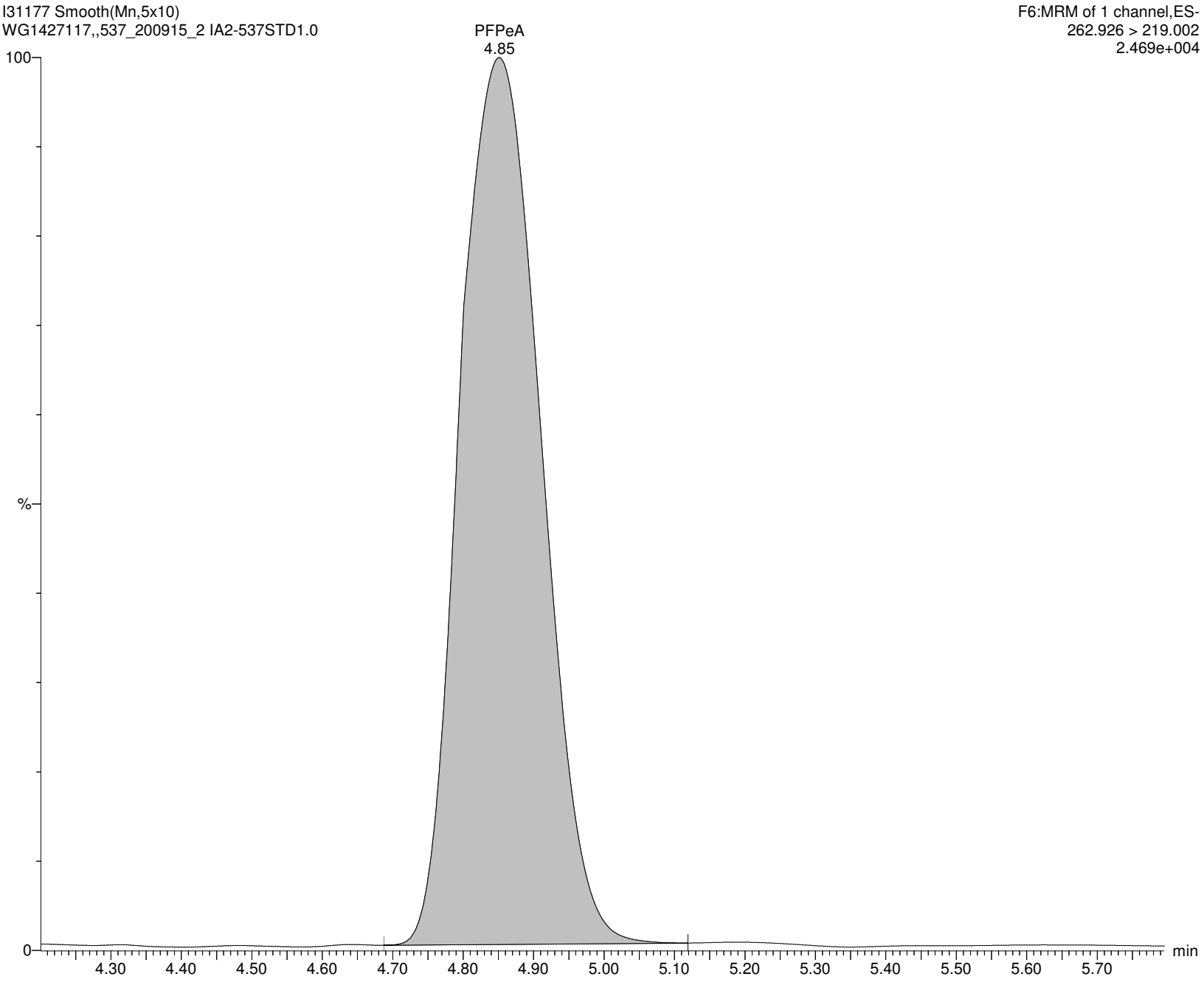
MS Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

PFPeA



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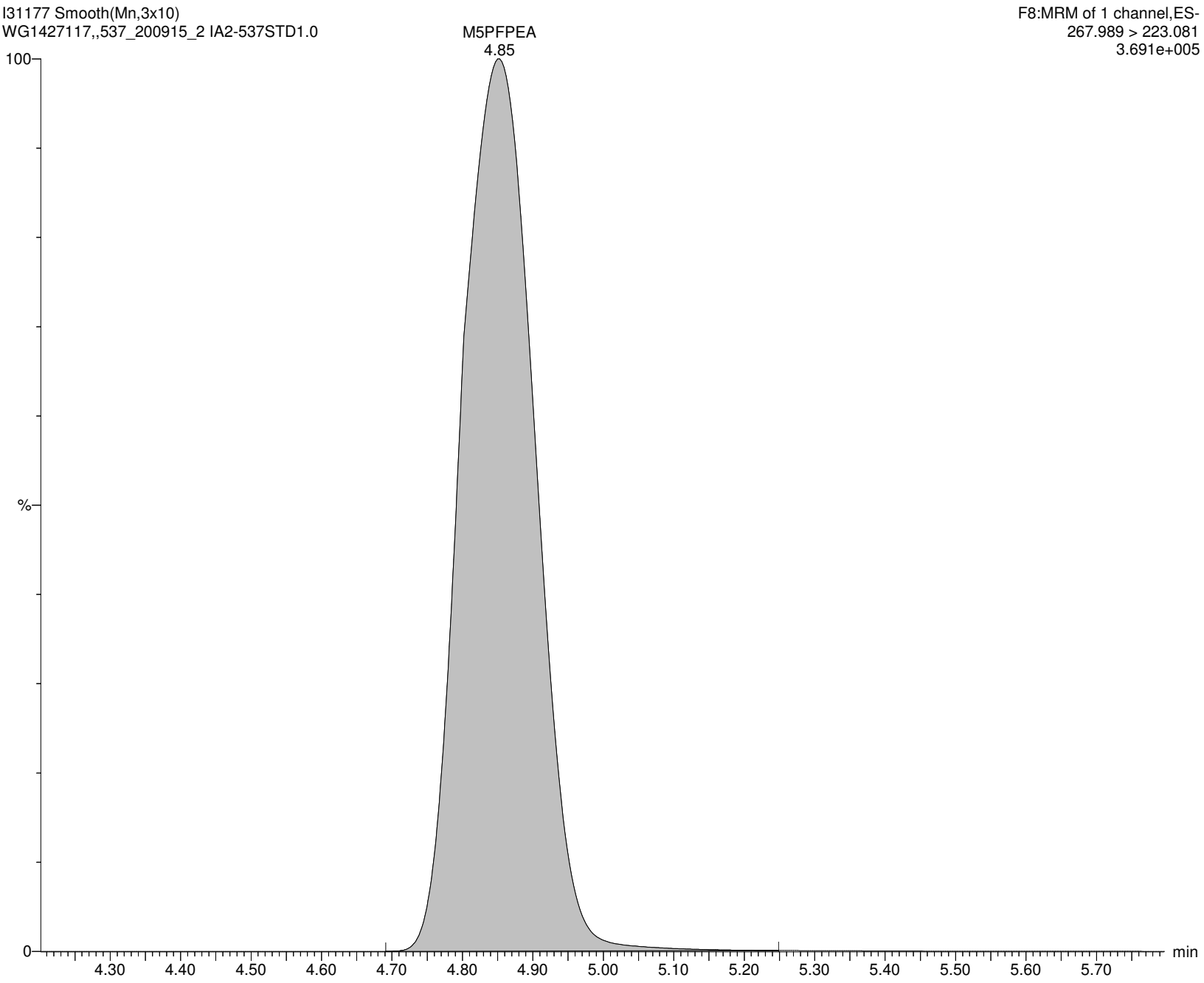
Tune Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\200520_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

M5PFPEA



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Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
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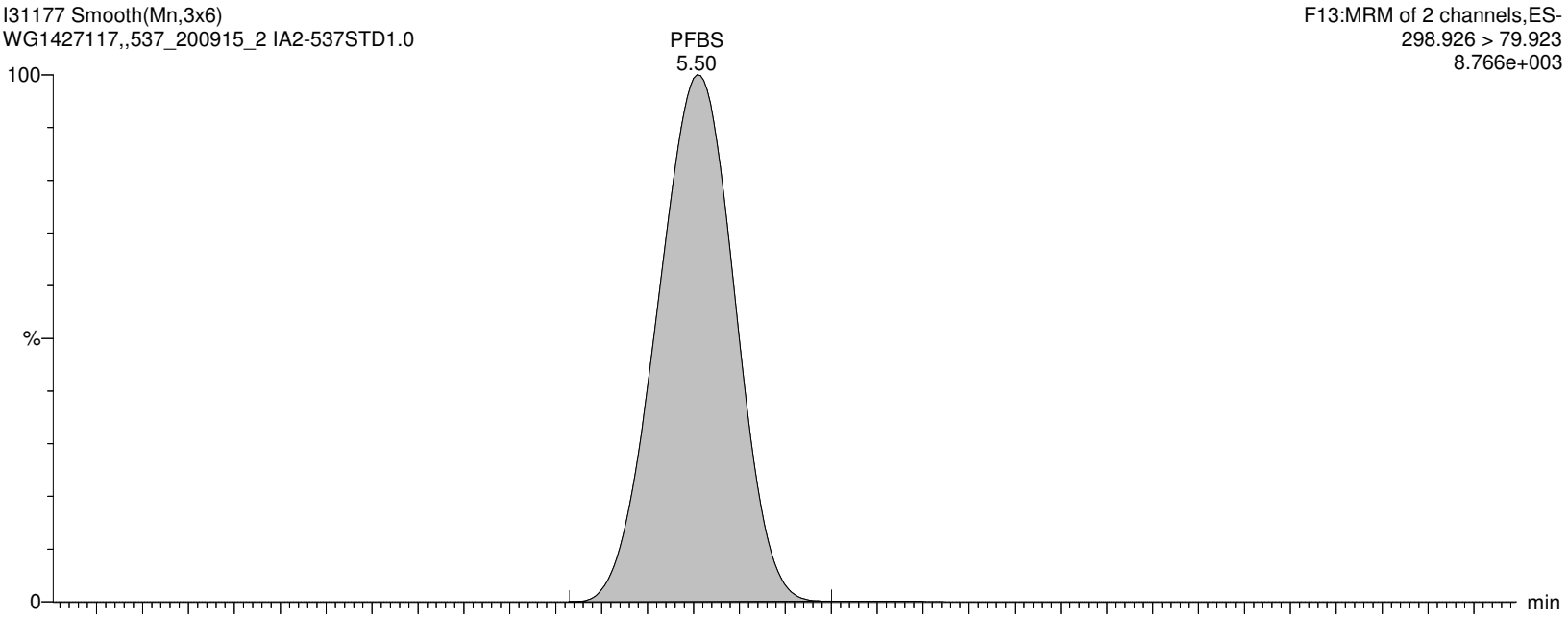

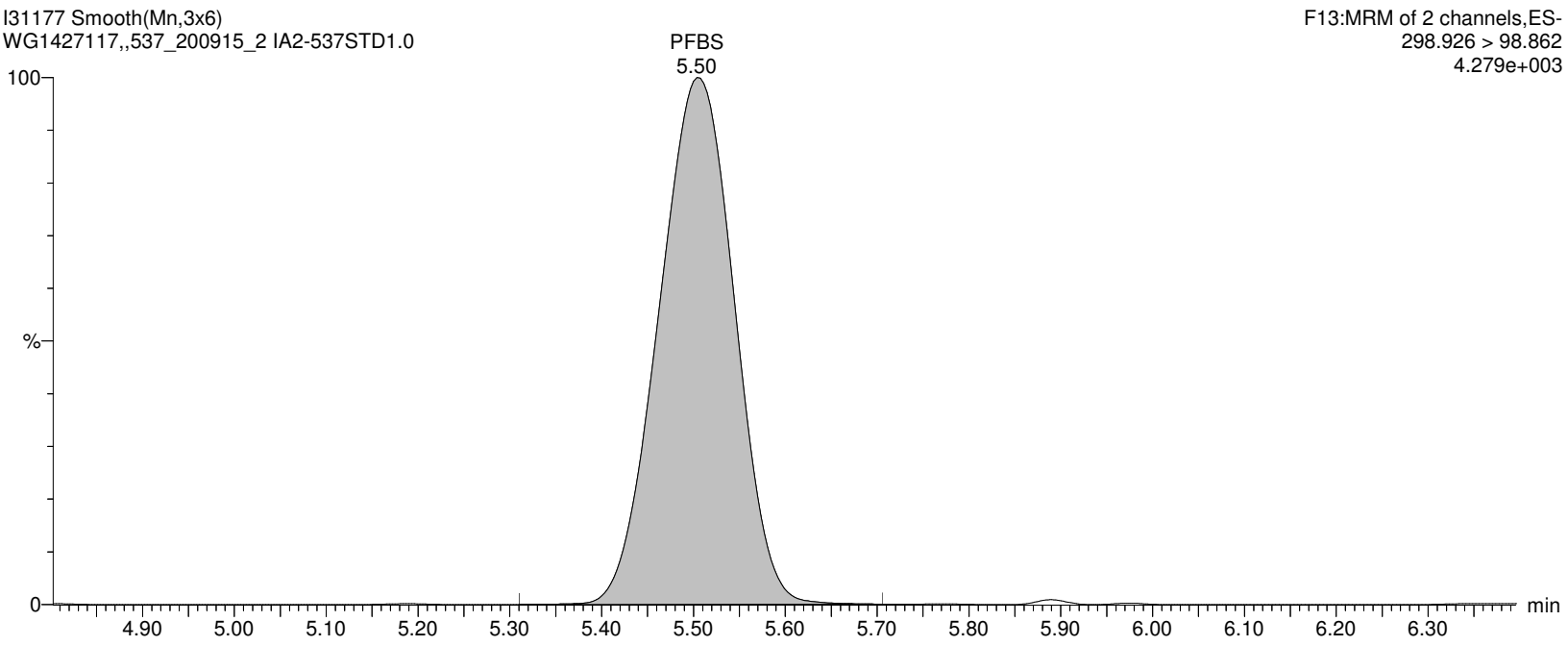

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:15:45 Eastern Daylight Time

Name: I31177
ID: IA2-537STD1.0
Date: 27-Oct-2020
Time: 17:57:04
Description: WG1427117,,537_200915_2
User: LCMS02:JW
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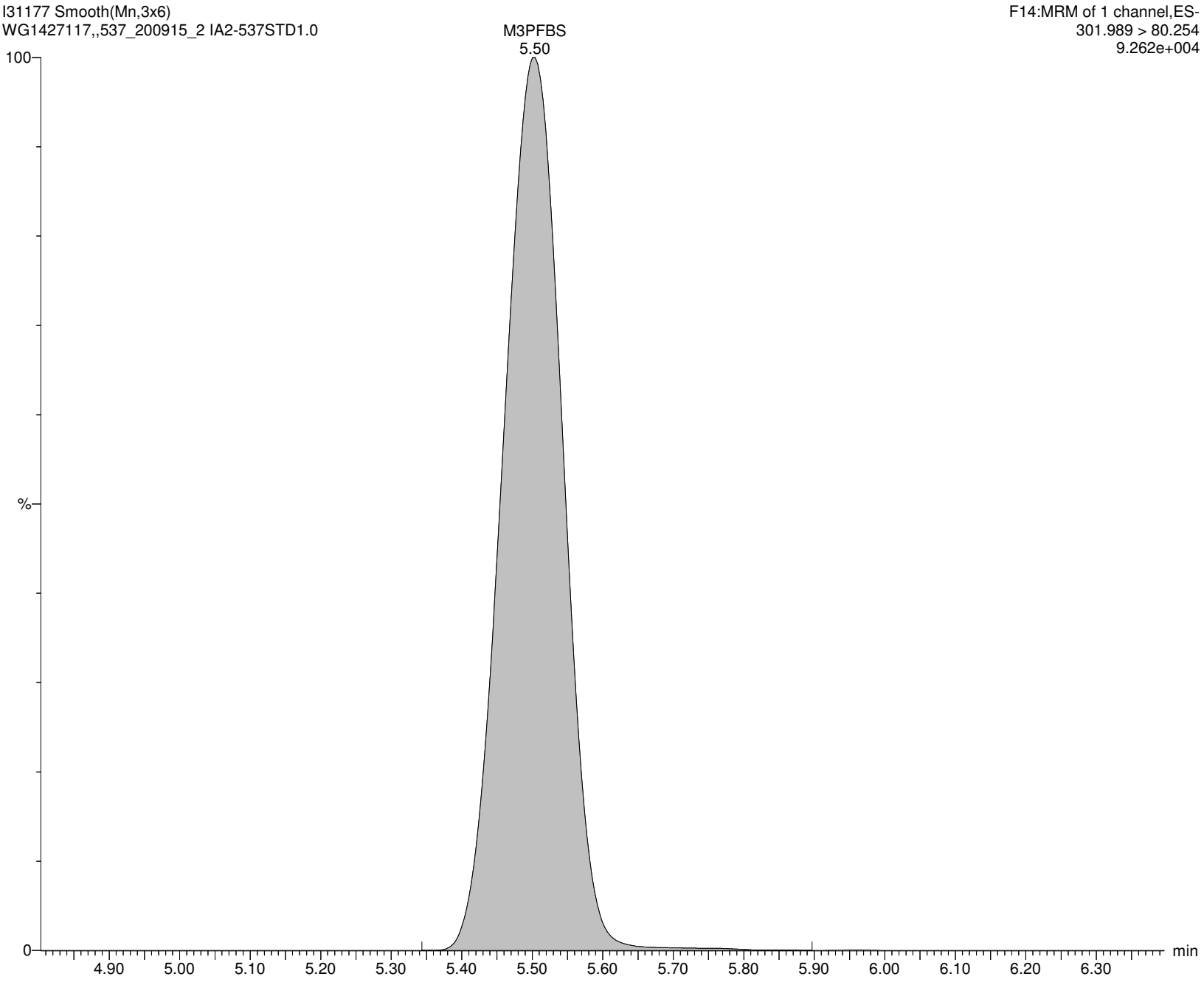

all concentration units in (ng/mL)

Alpha Analytical Inc.
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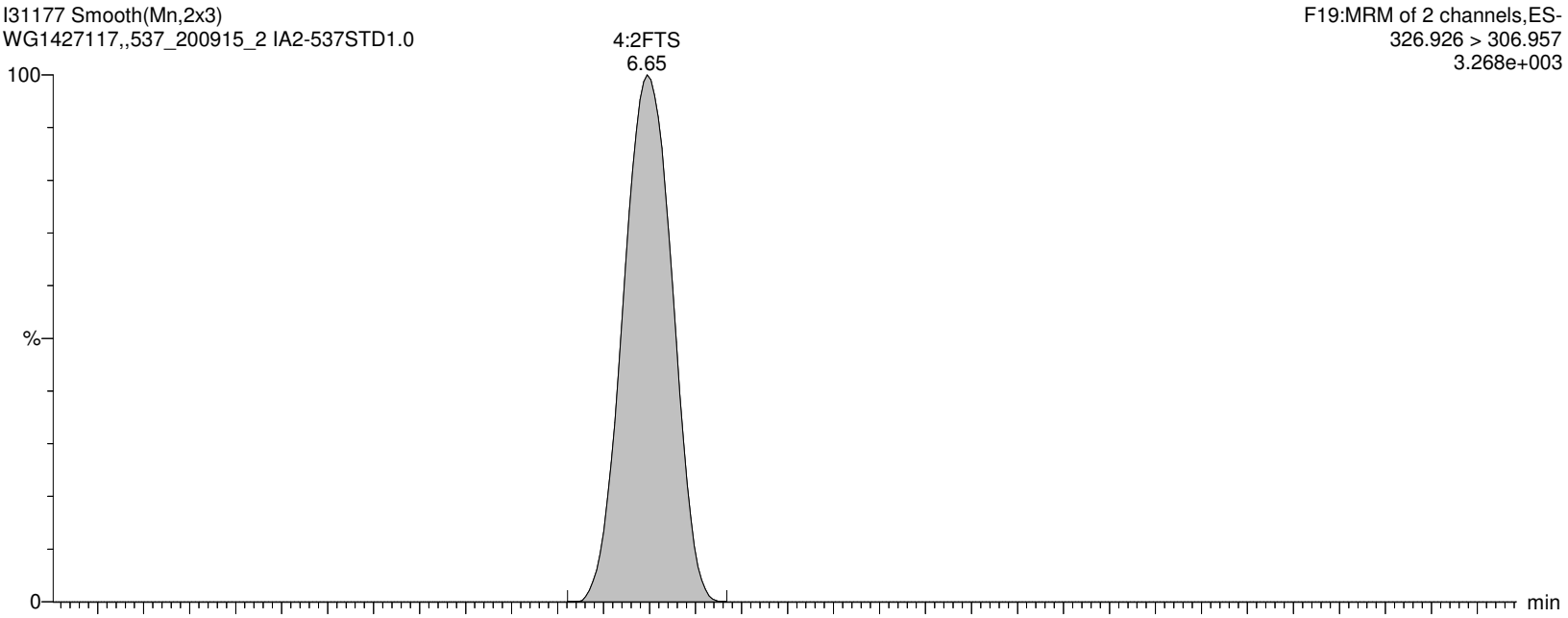

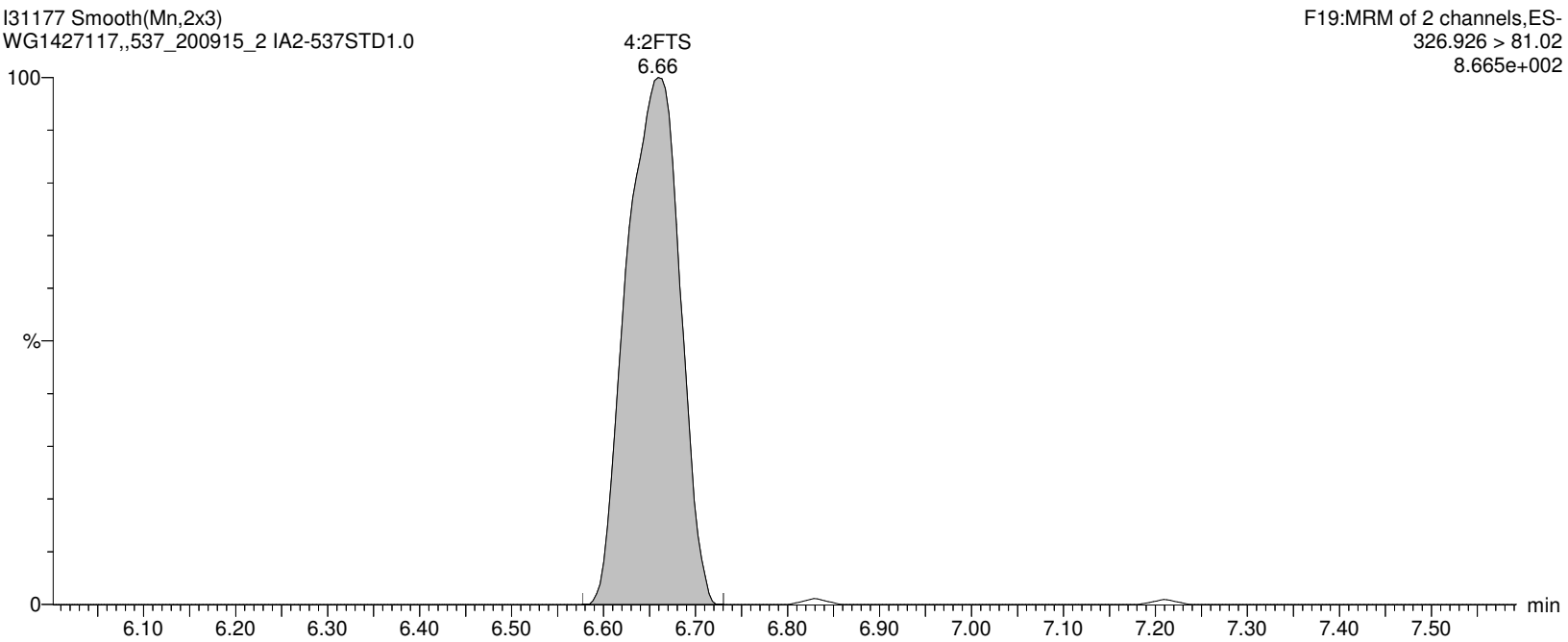

all concentration units in (ng/mL)

Alpha Analytical Inc.
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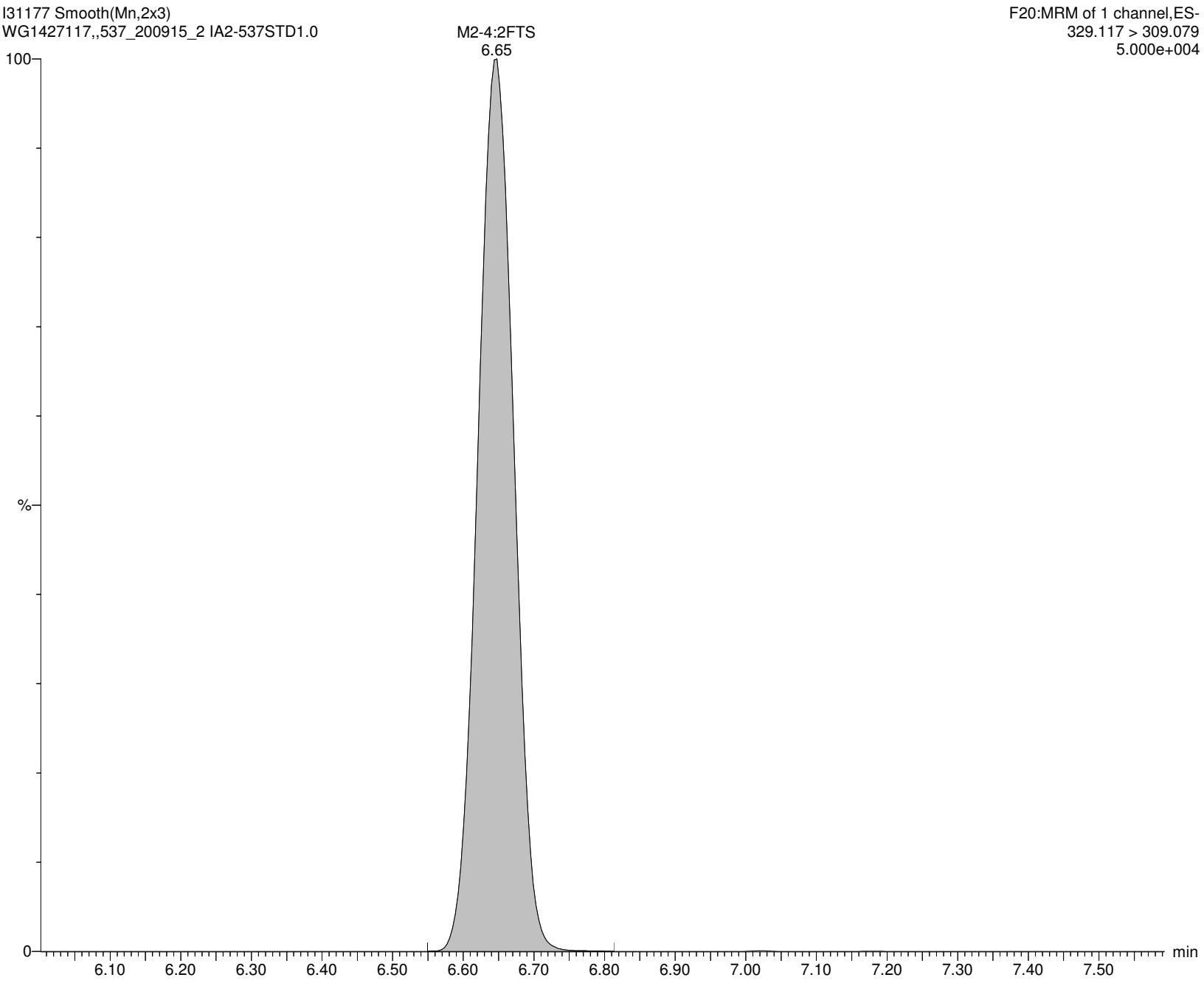

all concentration units in (ng/mL)

Alpha Analytical Inc.
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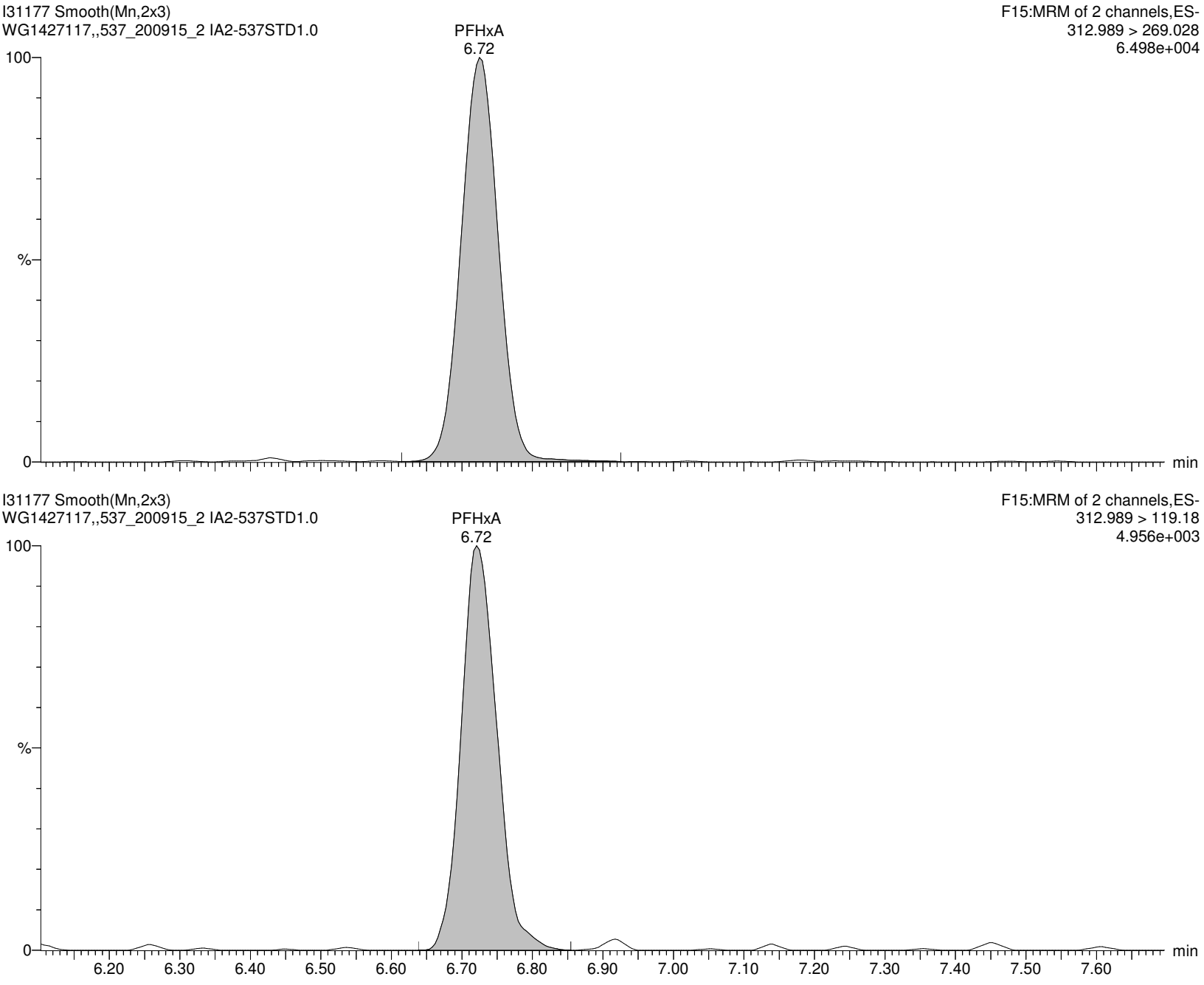
PFHxA



all concentration units in (ng/mL)

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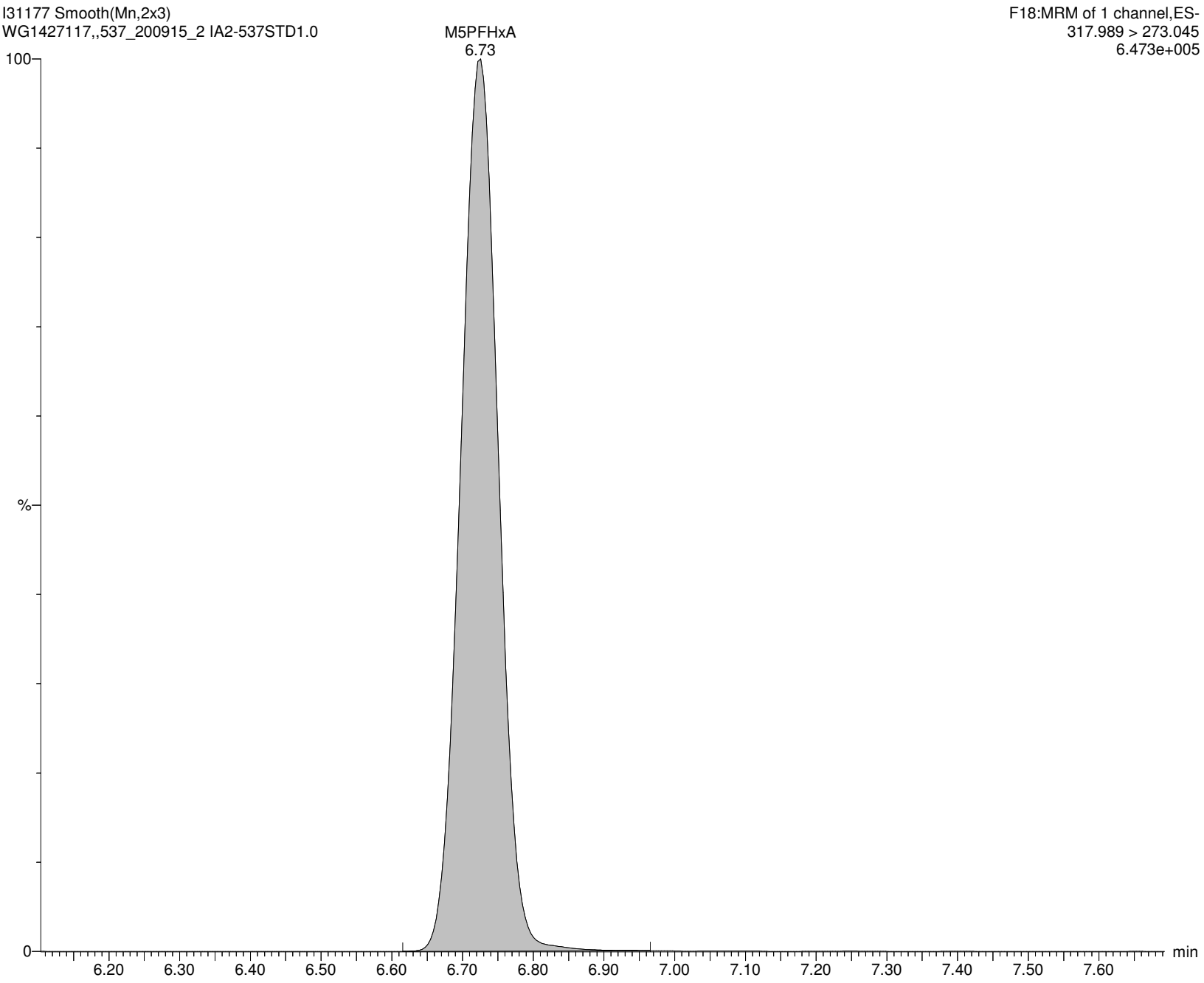
M5PFHxA



all concentration units in (ng/mL)

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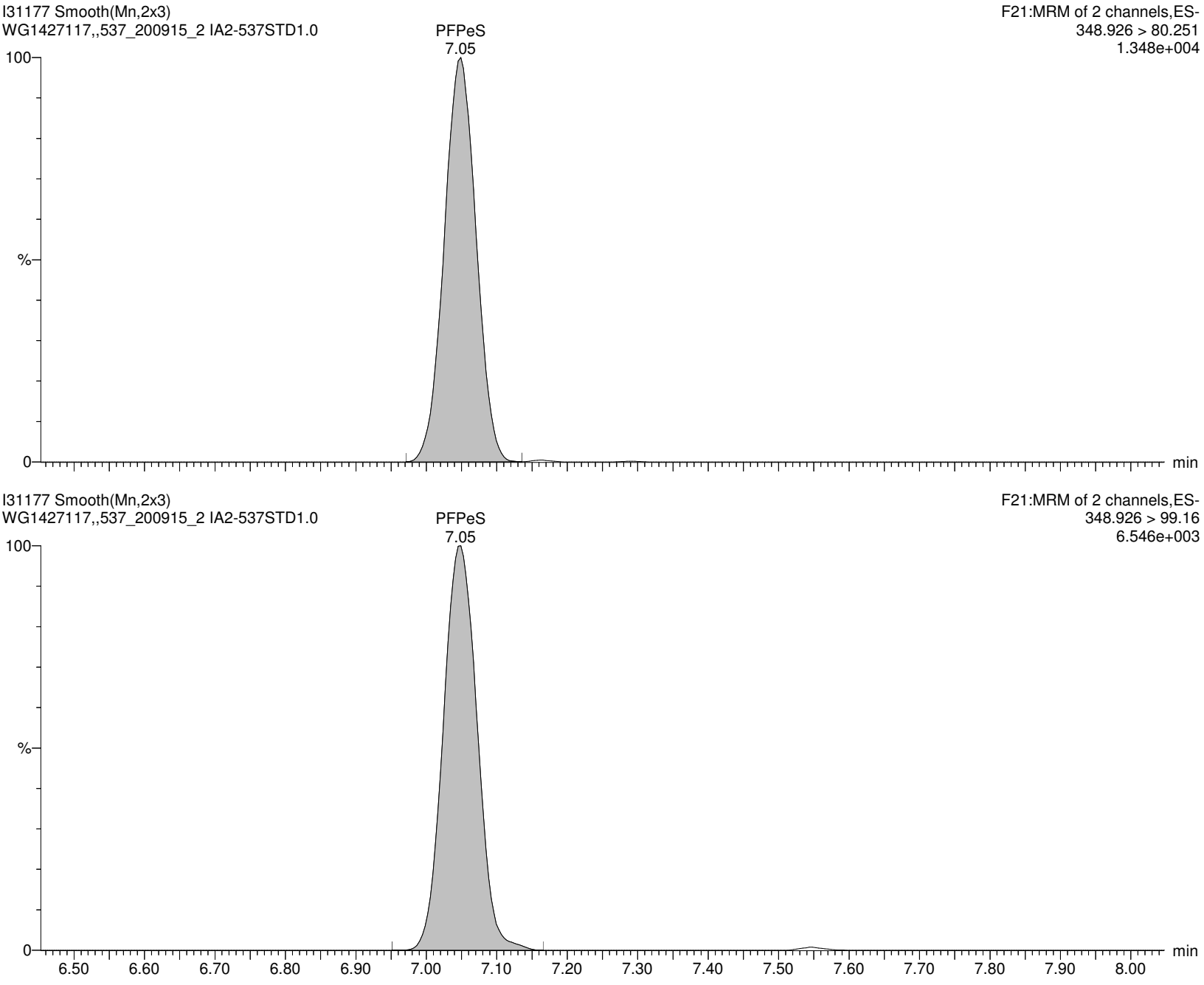

all concentration units in (ng/mL)

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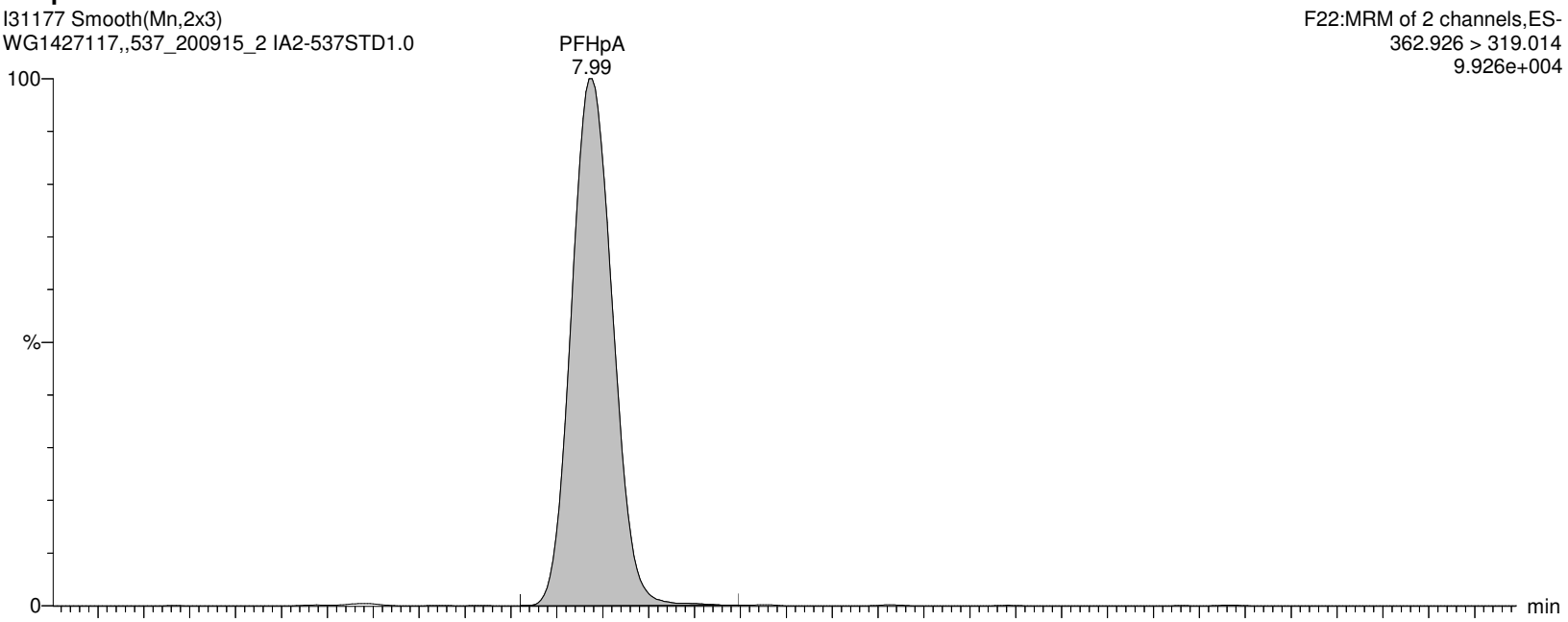

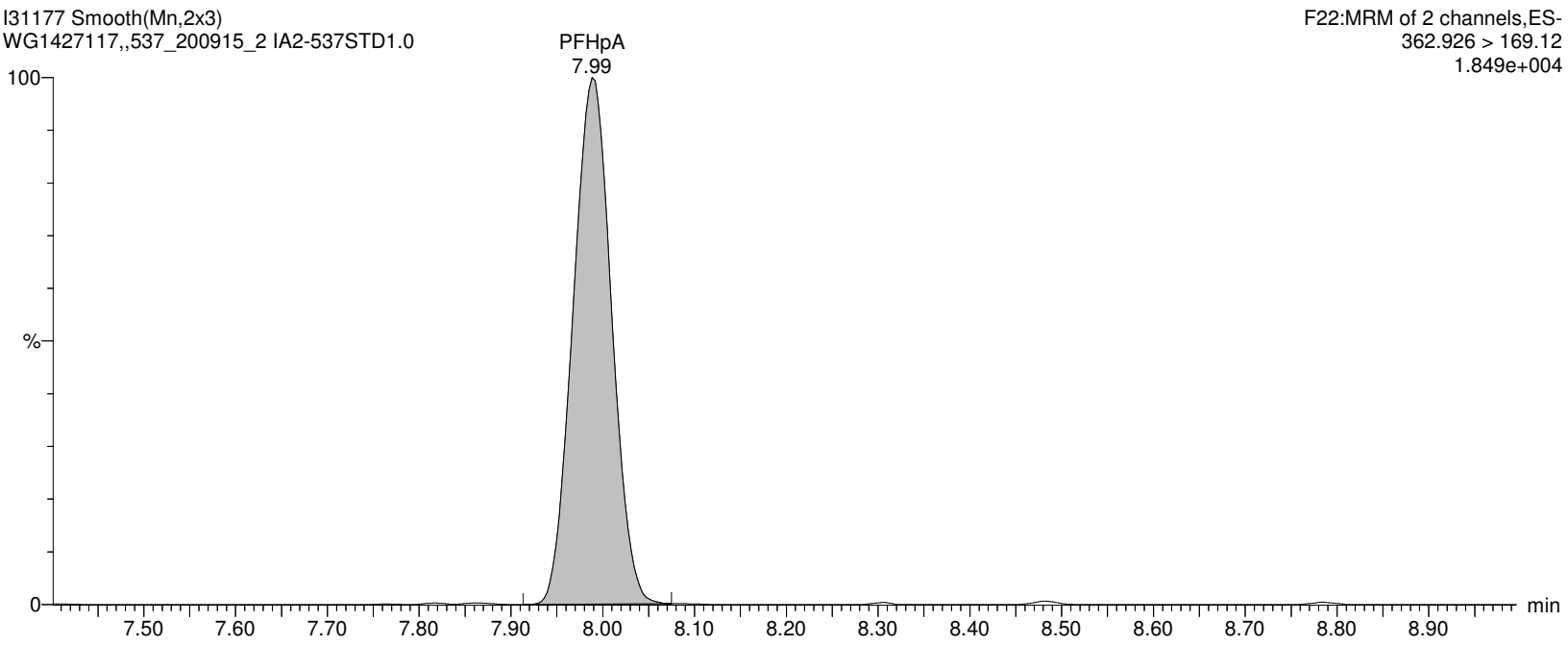

all concentration units in (ng/mL)

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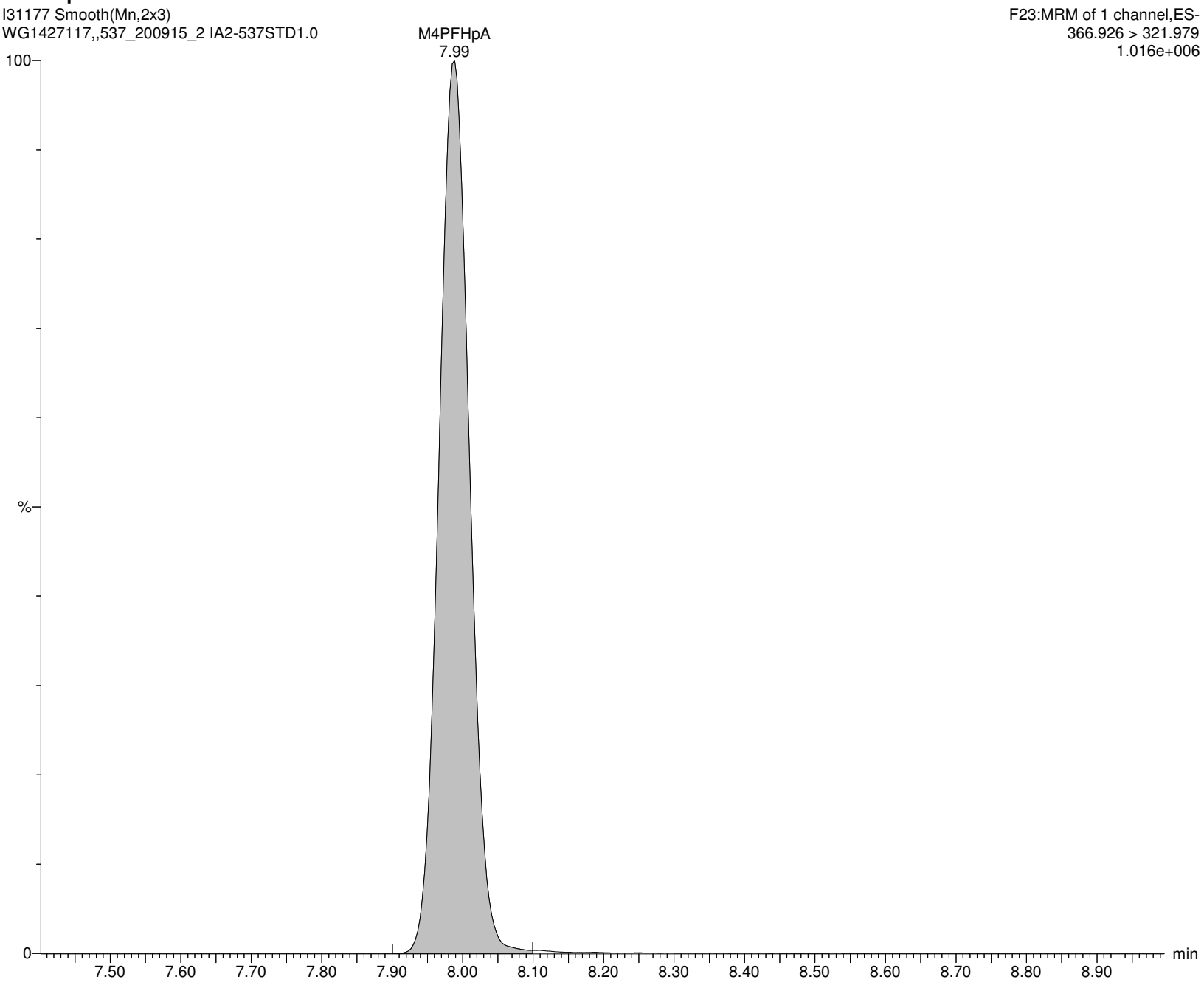

all concentration units in (ng/mL)

Alpha Analytical Inc.
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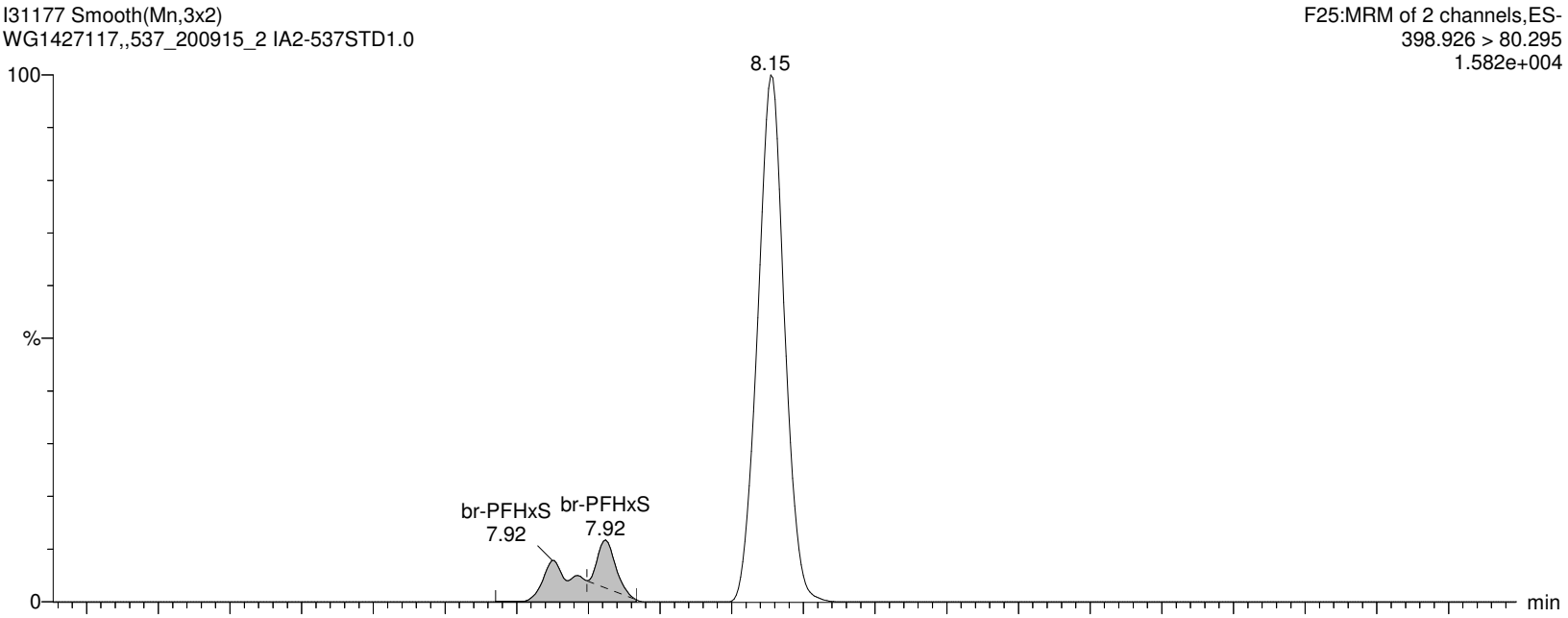

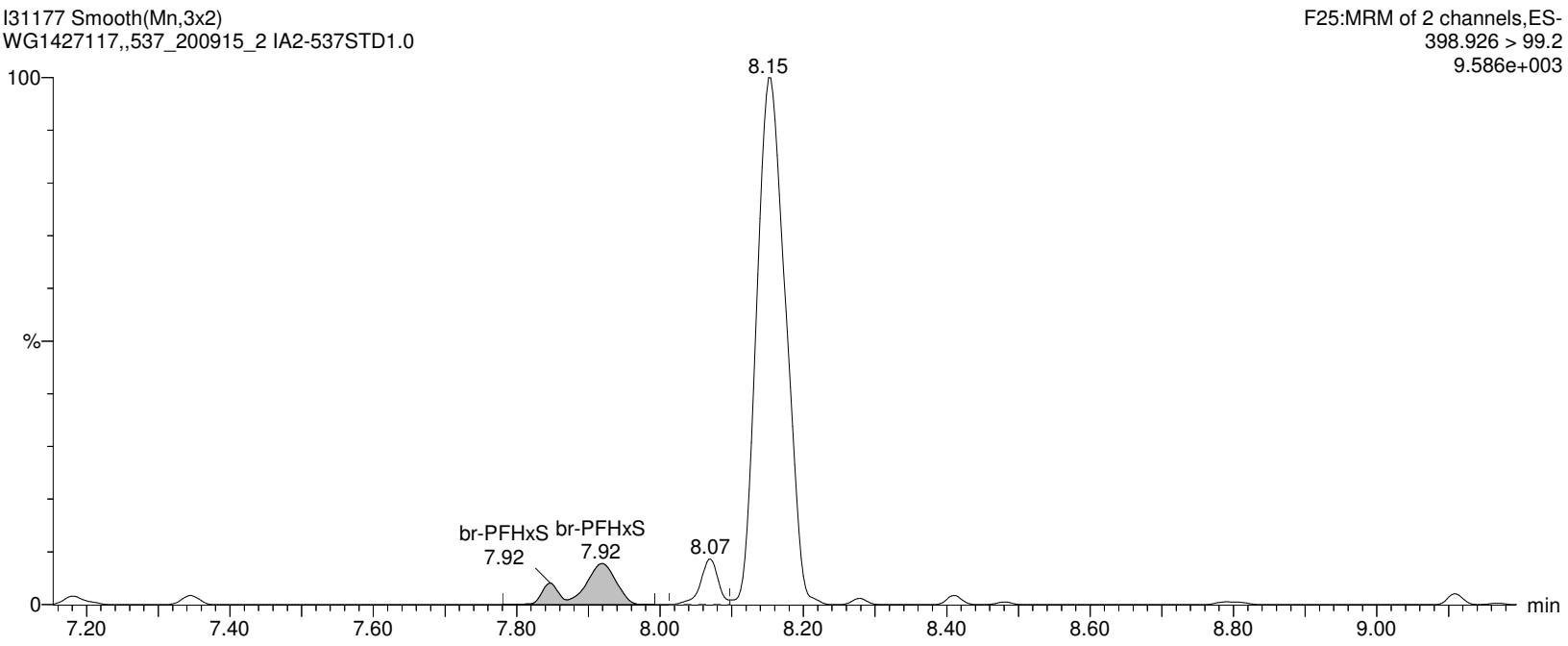

all concentration units in (ng/mL)

Alpha Analytical Inc.
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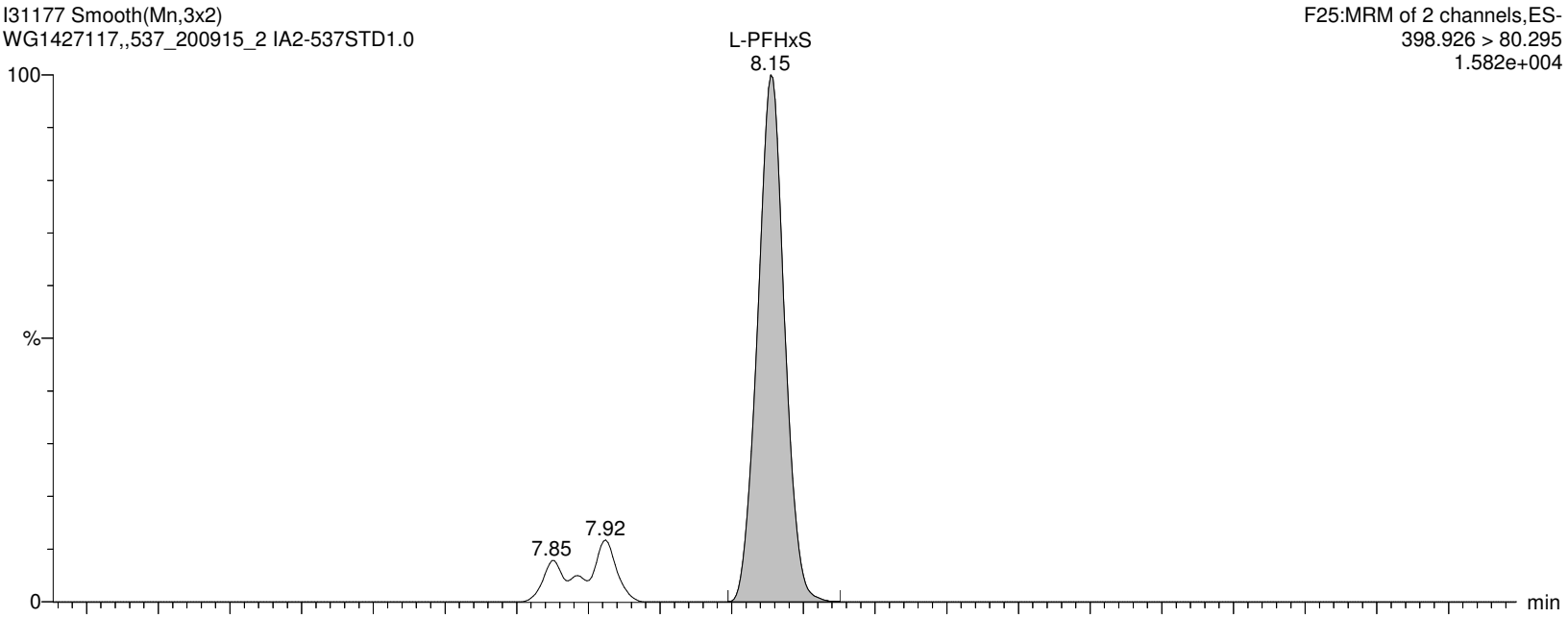

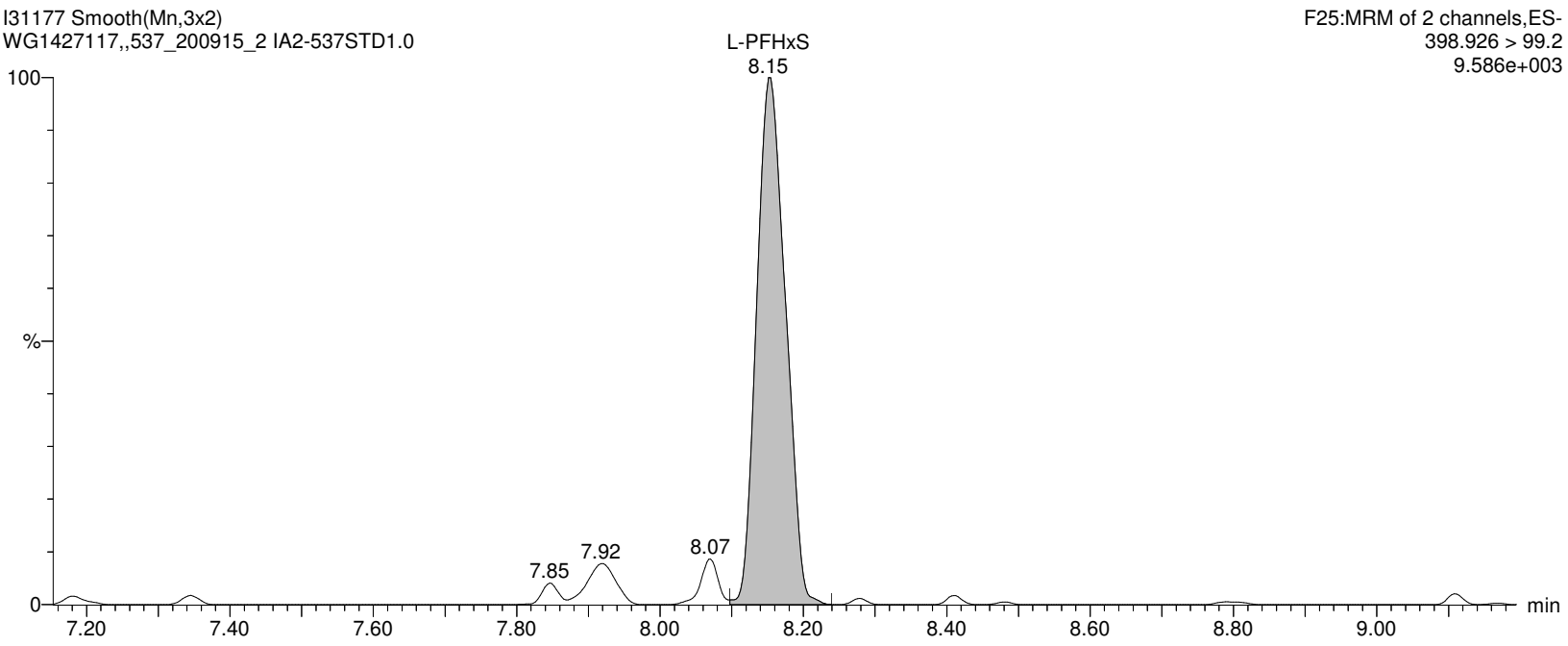

all concentration units in (ng/mL)

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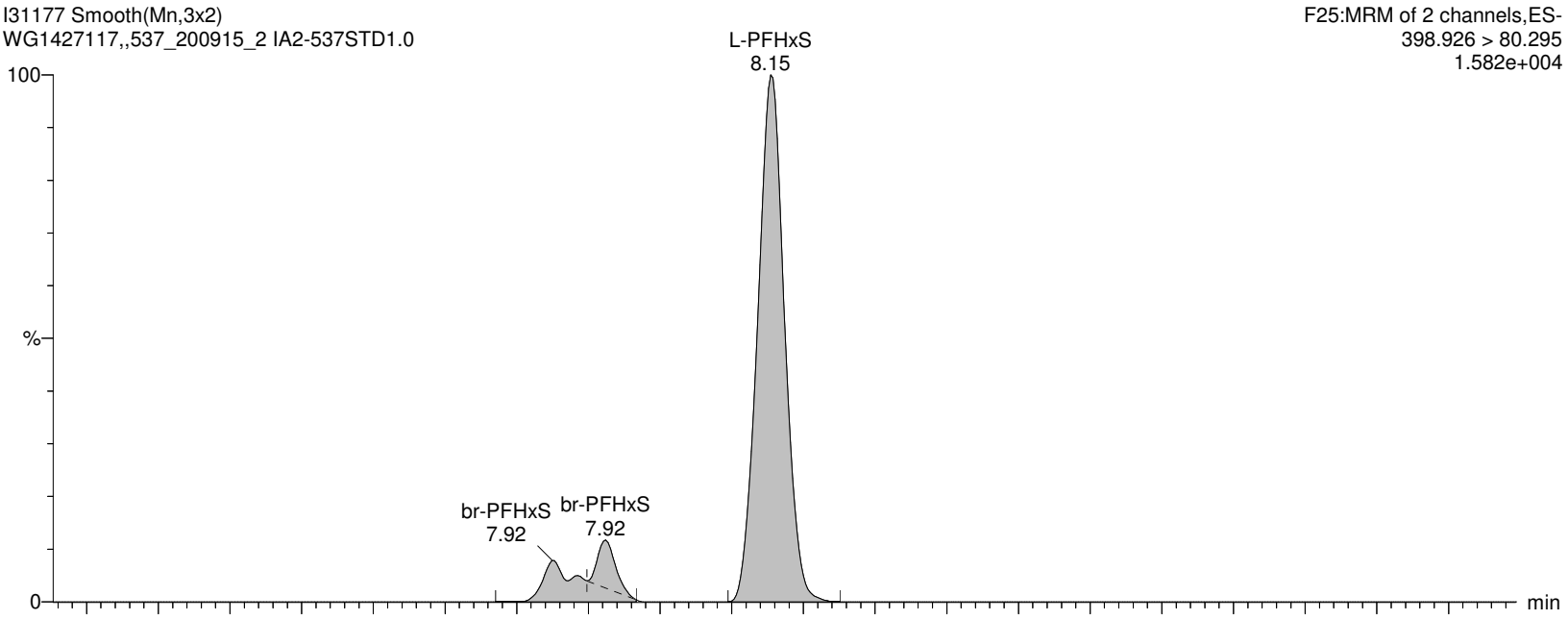

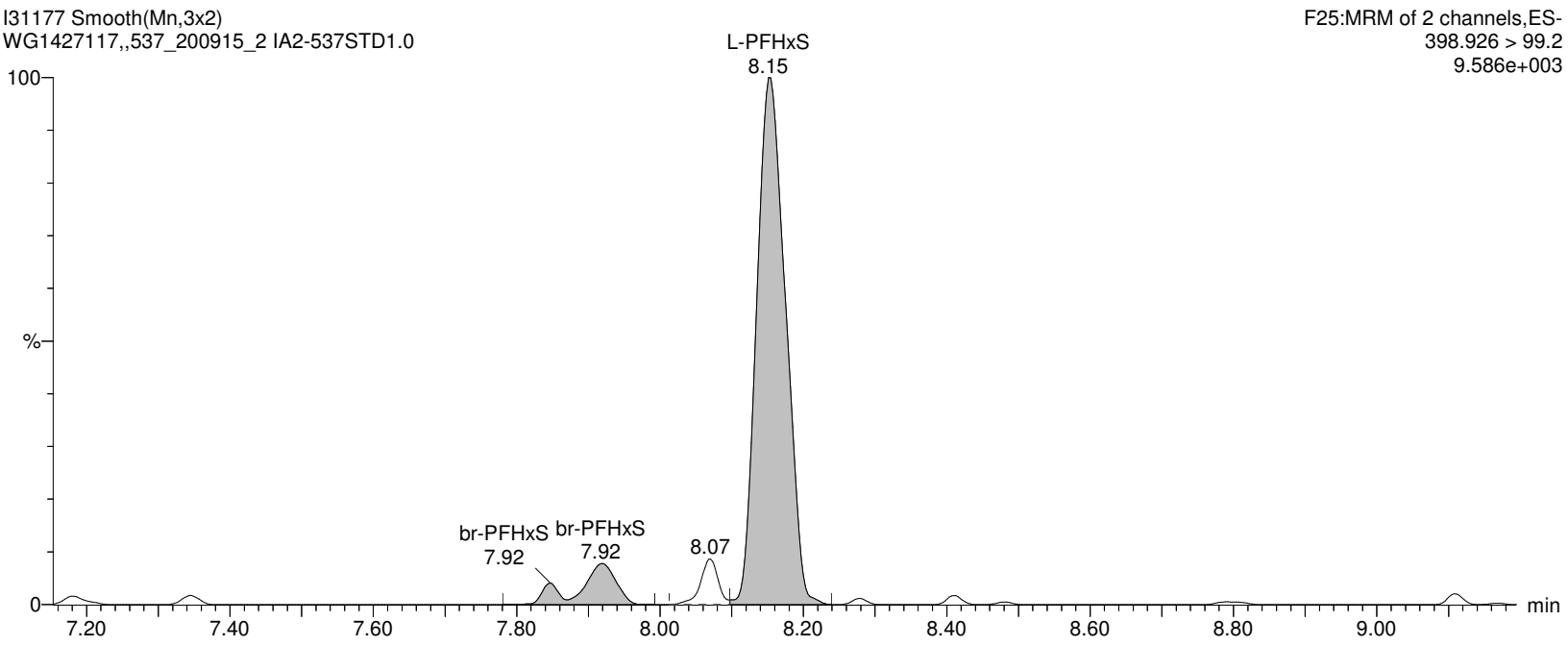

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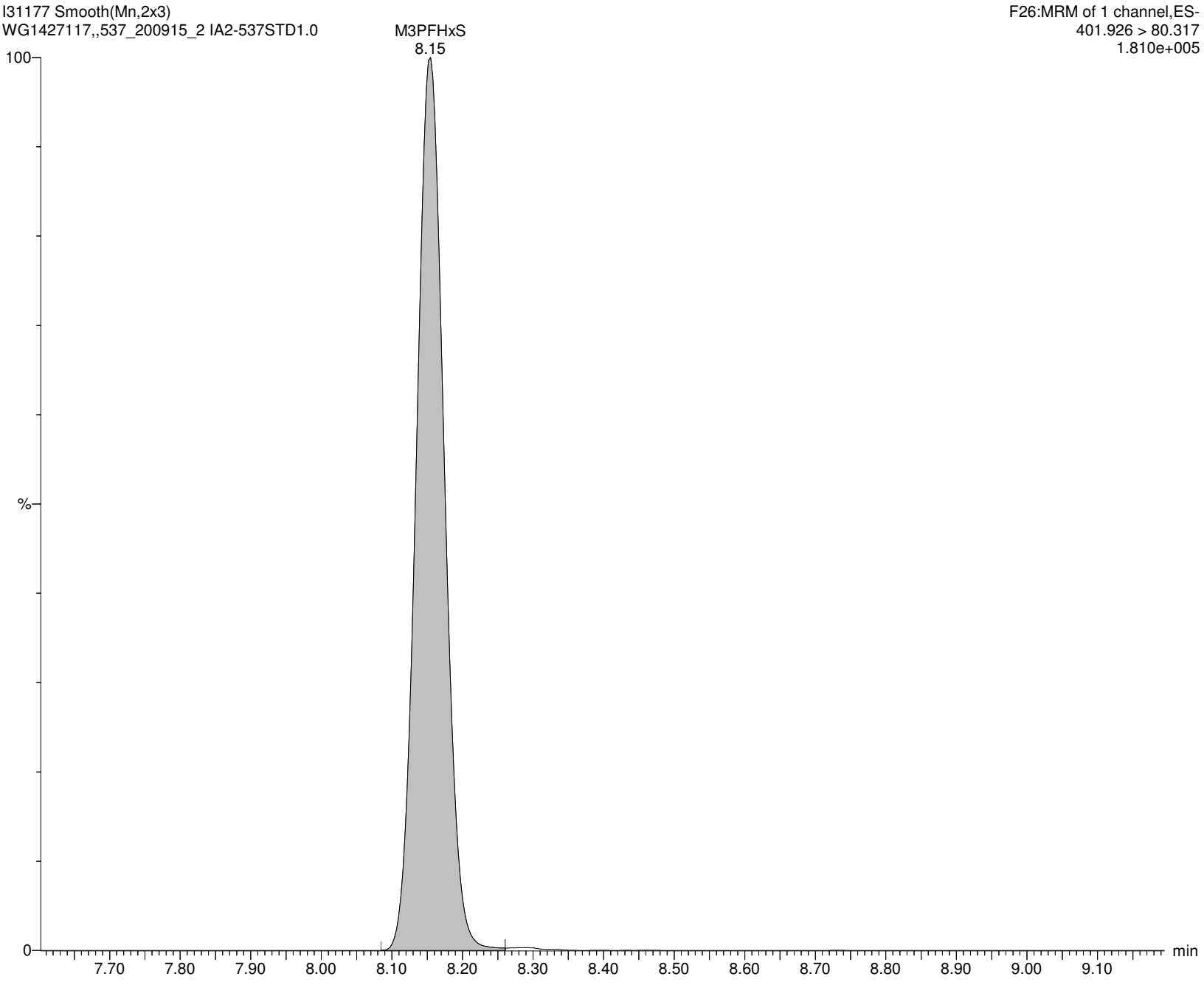
M3PFHxS



all concentration units in (ng/mL)

Alpha Analytical Inc.
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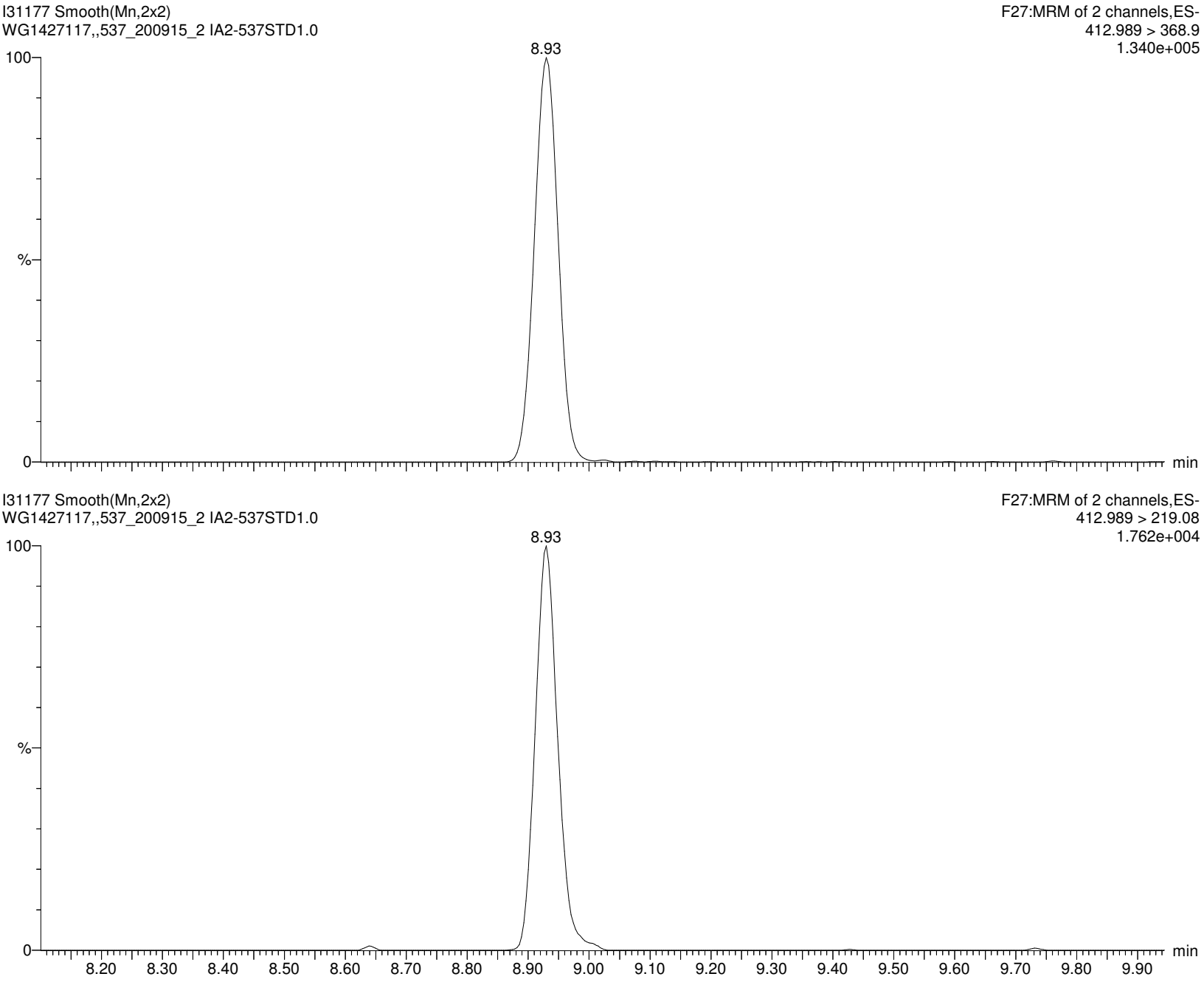

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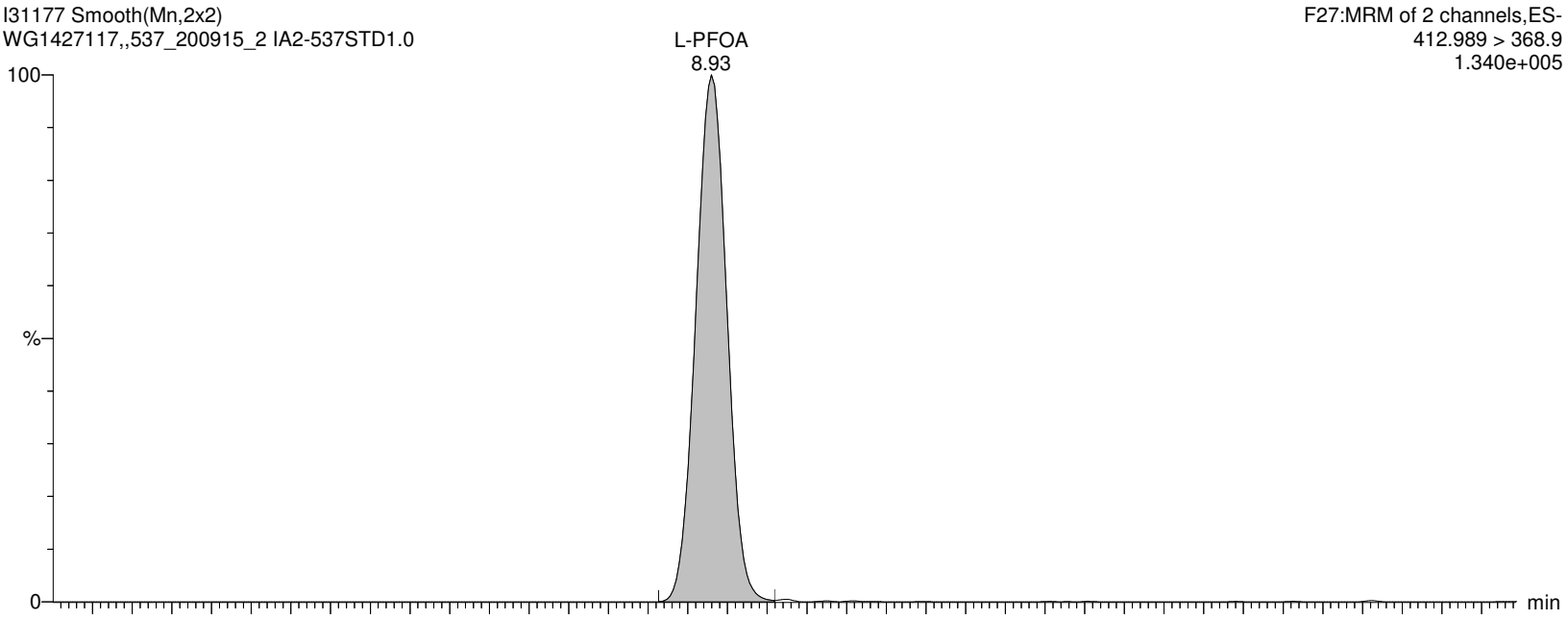
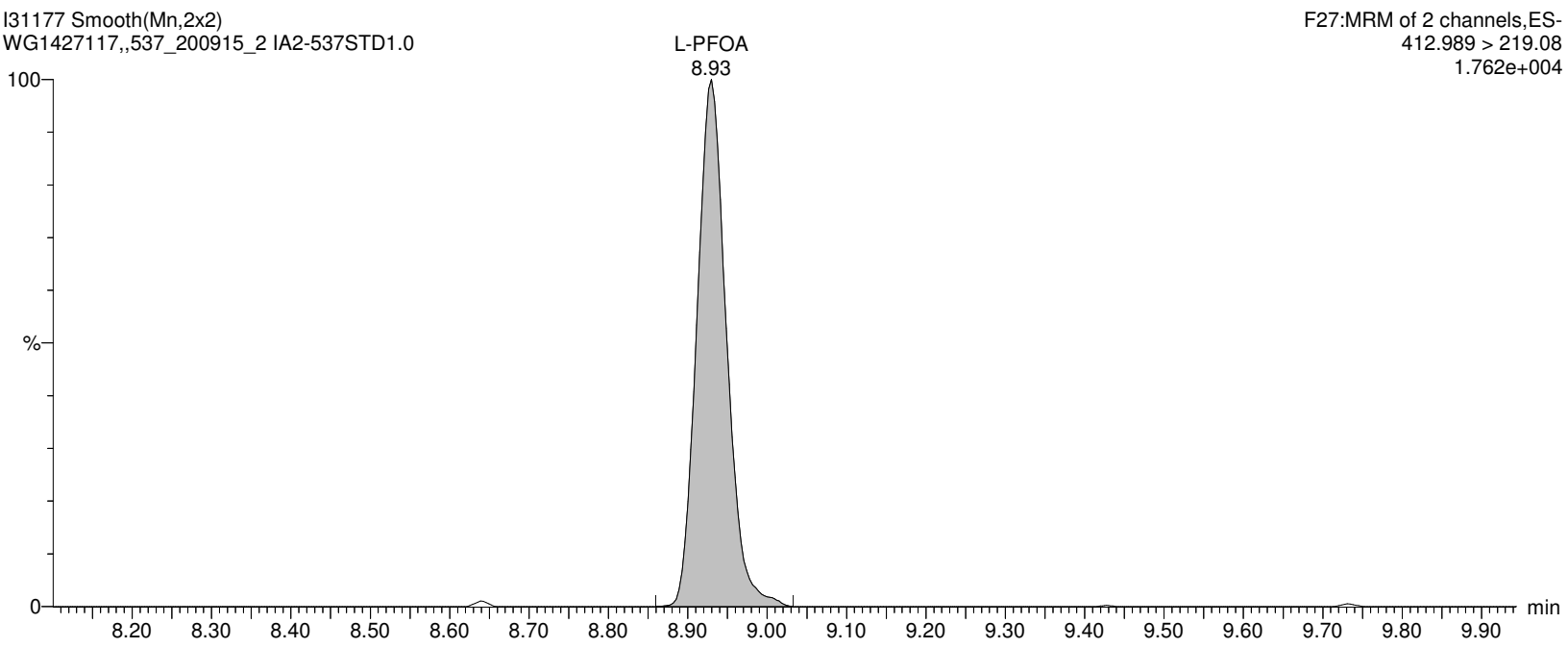
L-PFOA





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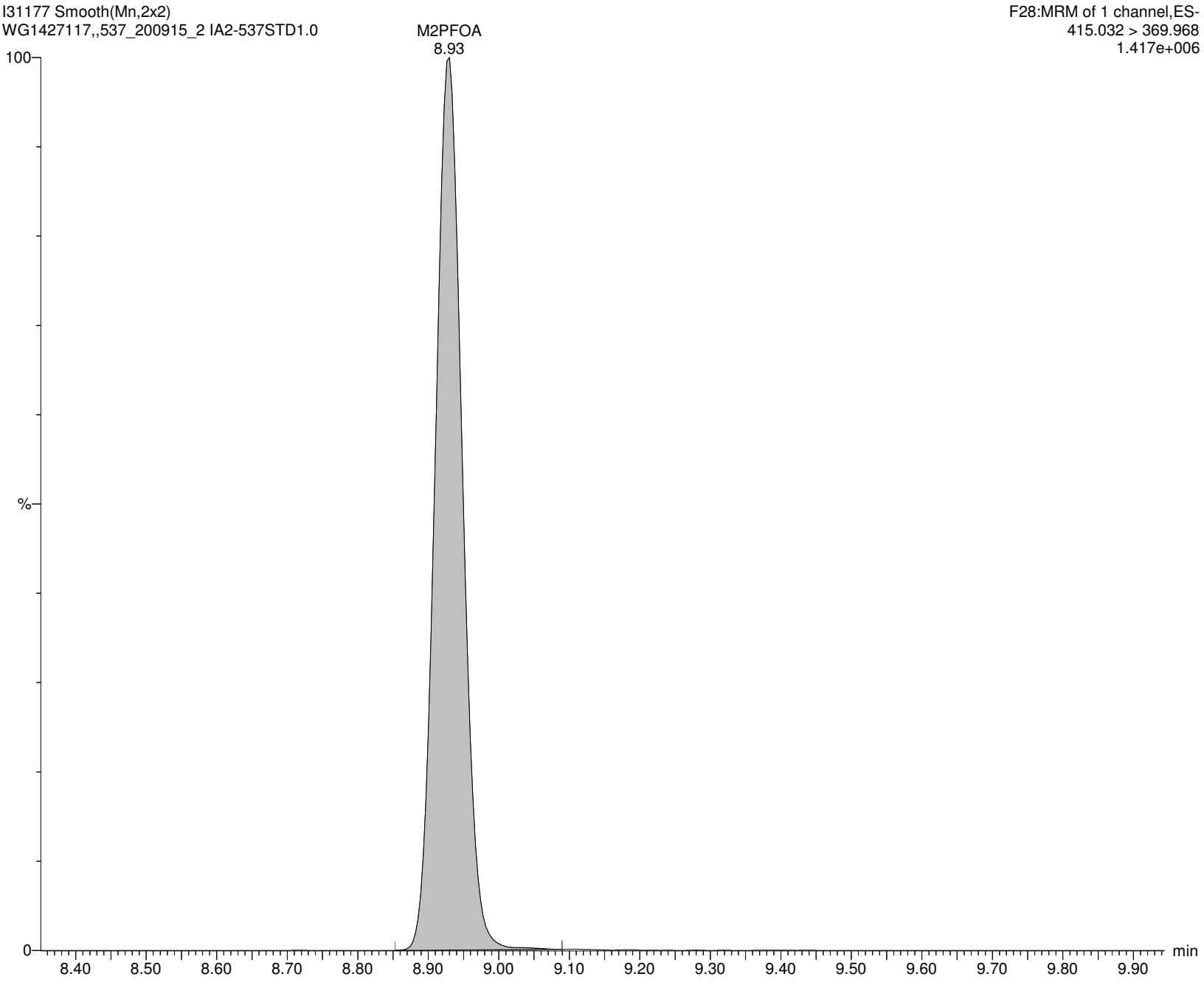

all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:15:45 Eastern Daylight Time

Name: I31177
ID: IA2-537STD1.0
Date: 27-Oct-2020
Time: 17:57:04
Description: WG1427117,,537_200915_2
User: LCMS02:JW
Vial: 1:A,3
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
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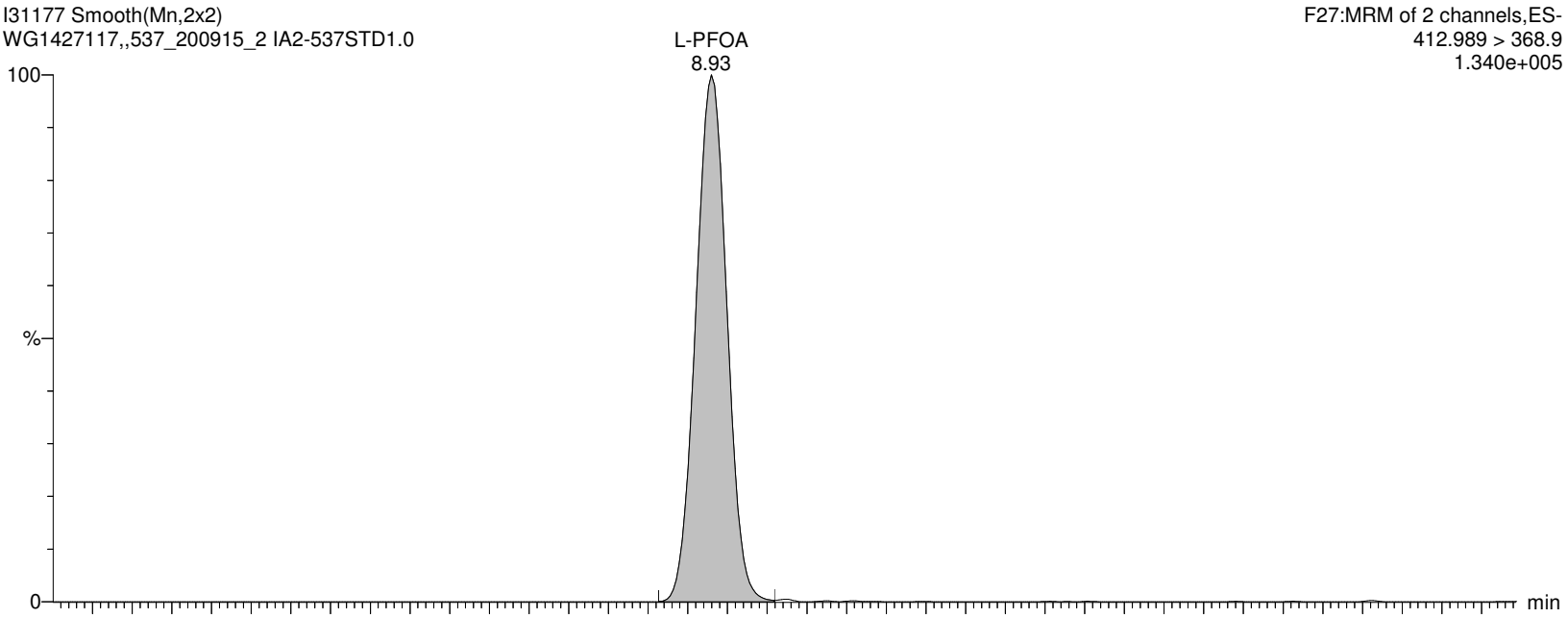

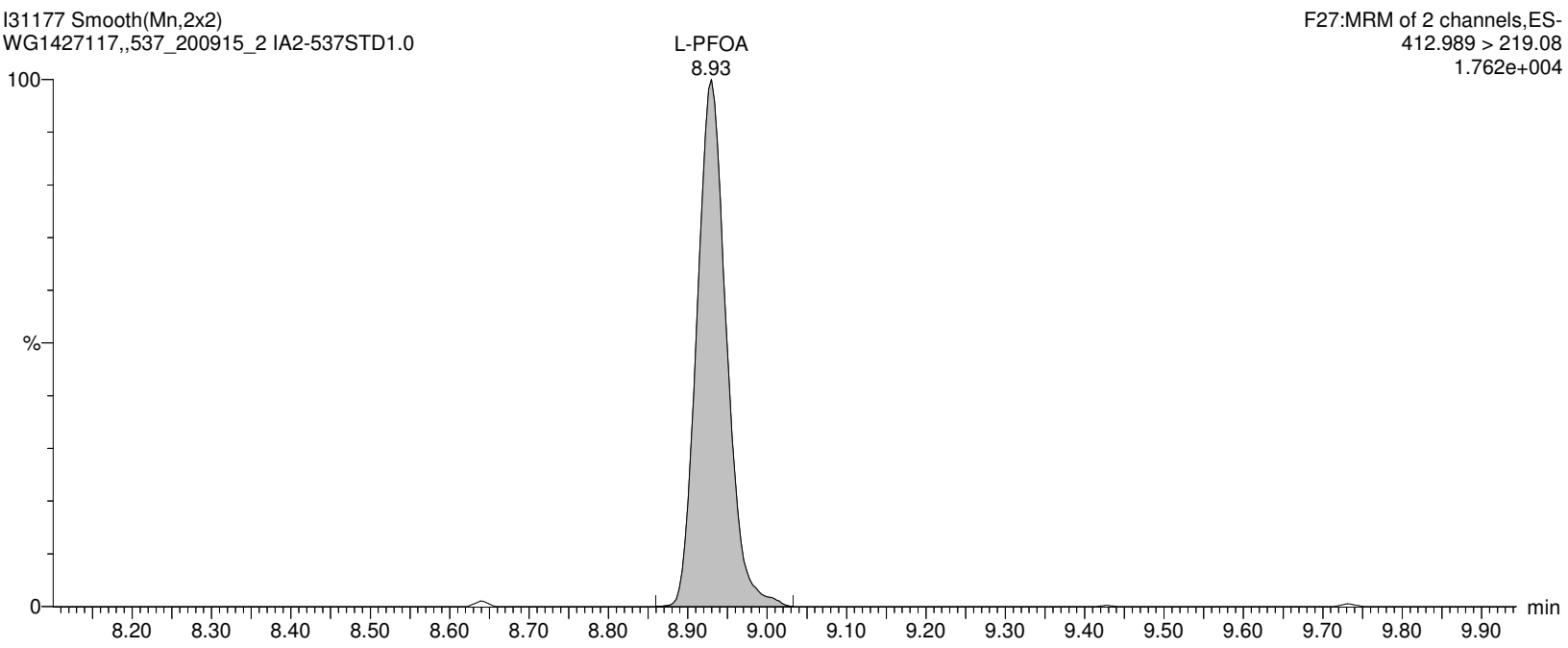

all concentration units in (ng/mL)

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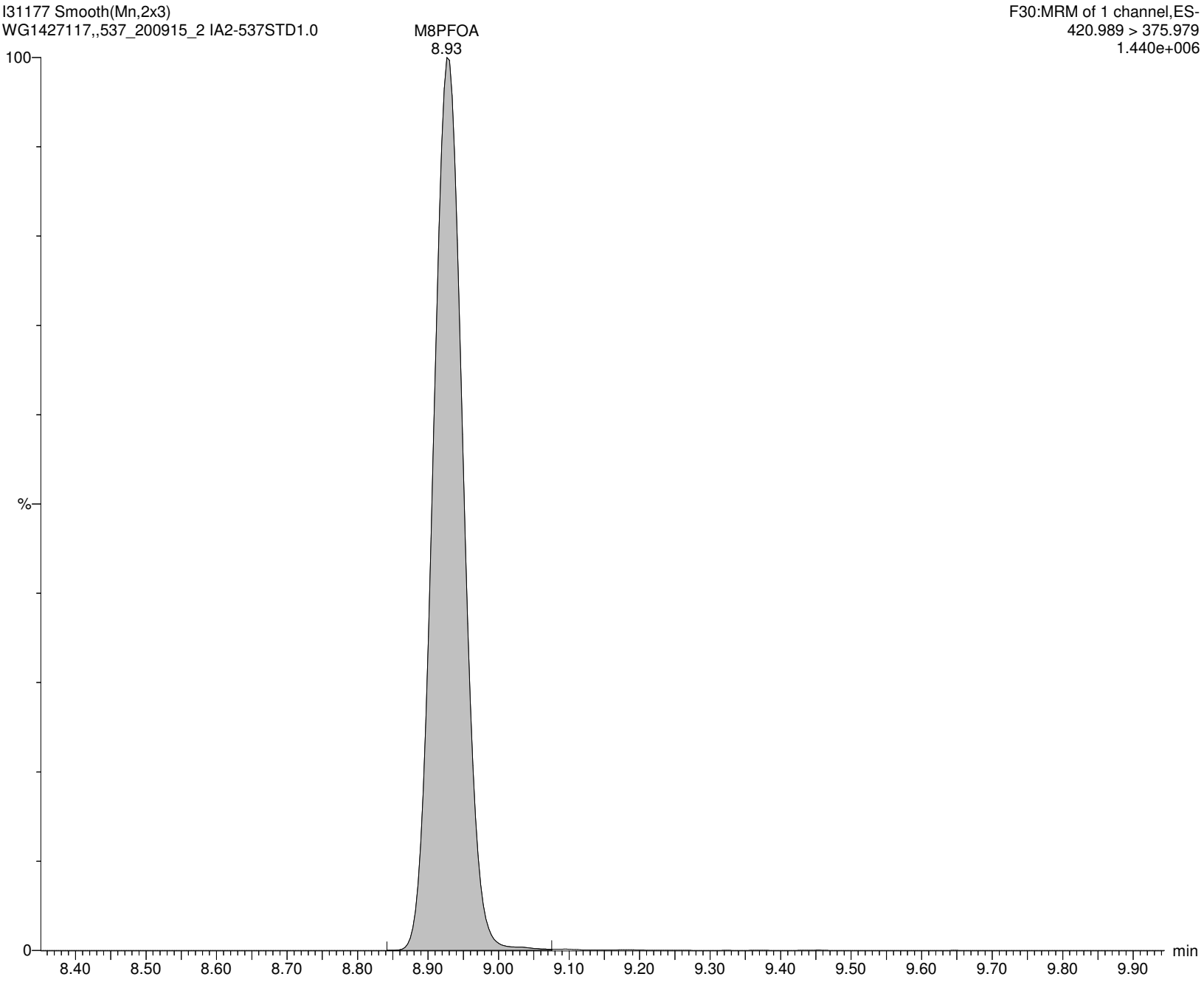

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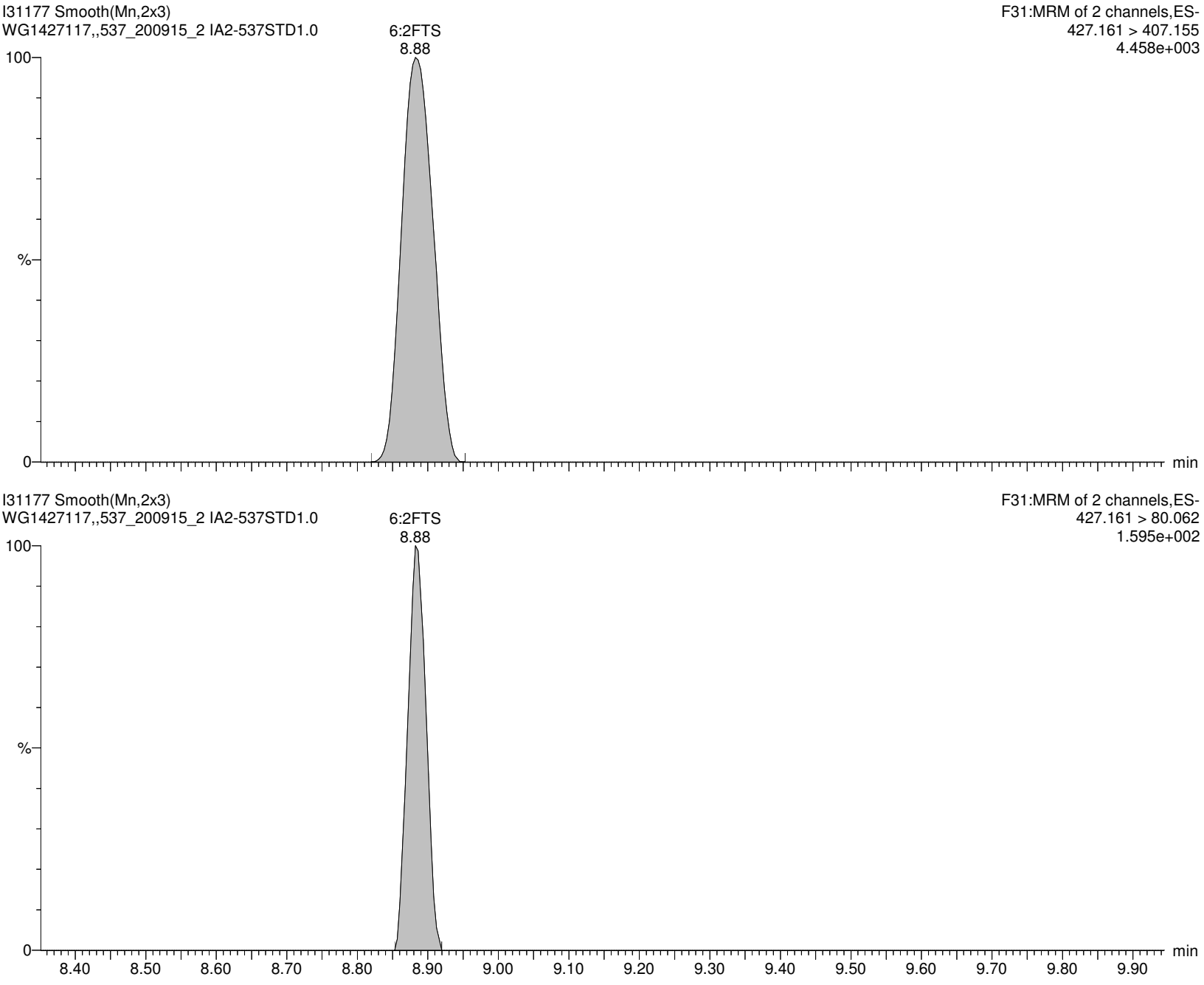

all concentration units in (ng/mL)

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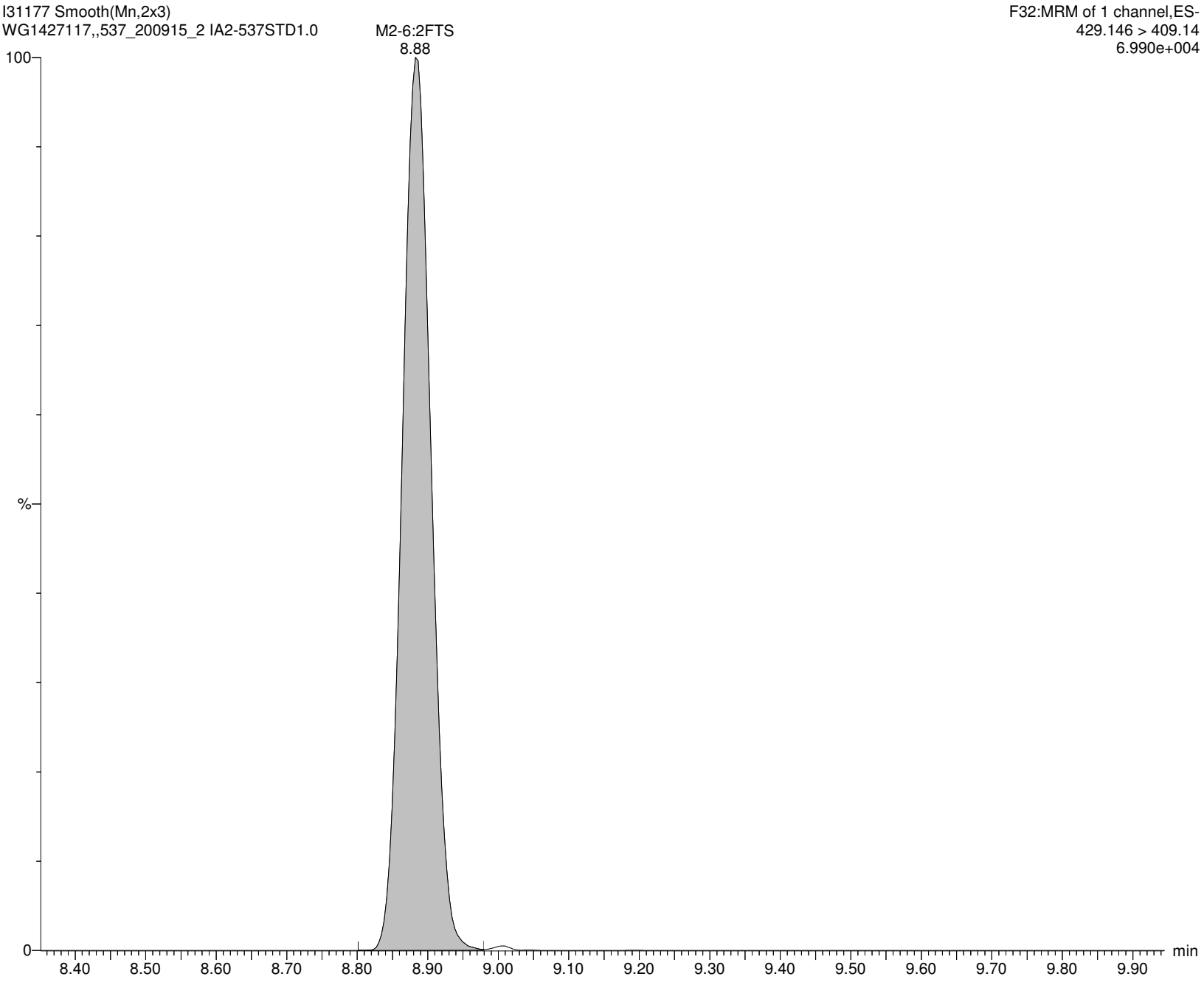

all concentration units in (ng/mL)

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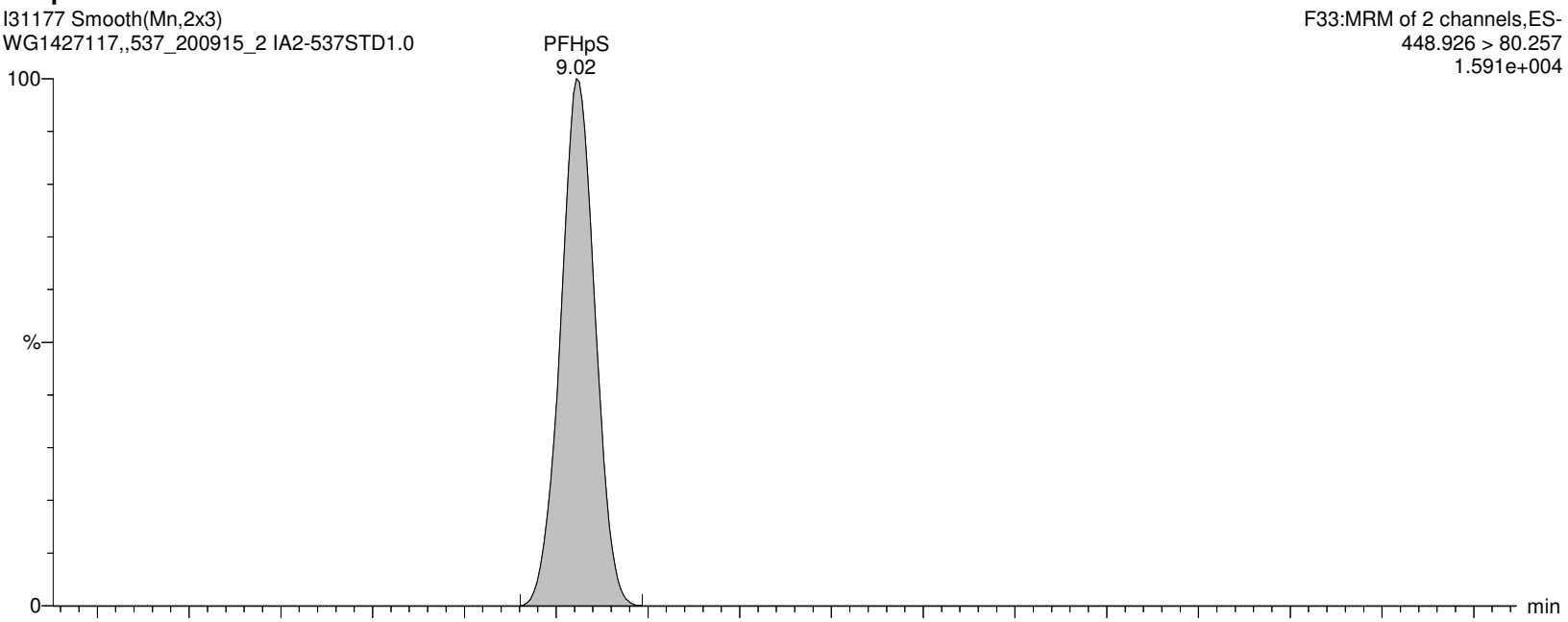

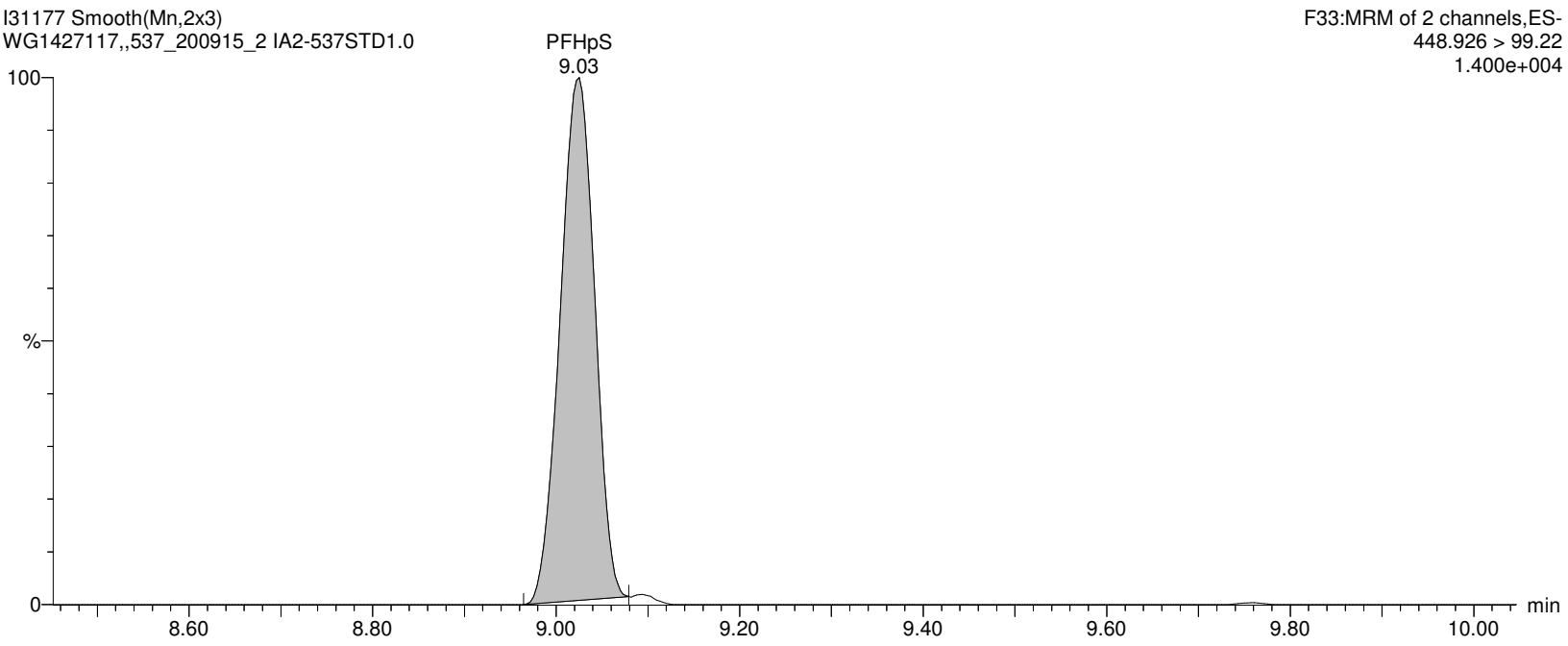

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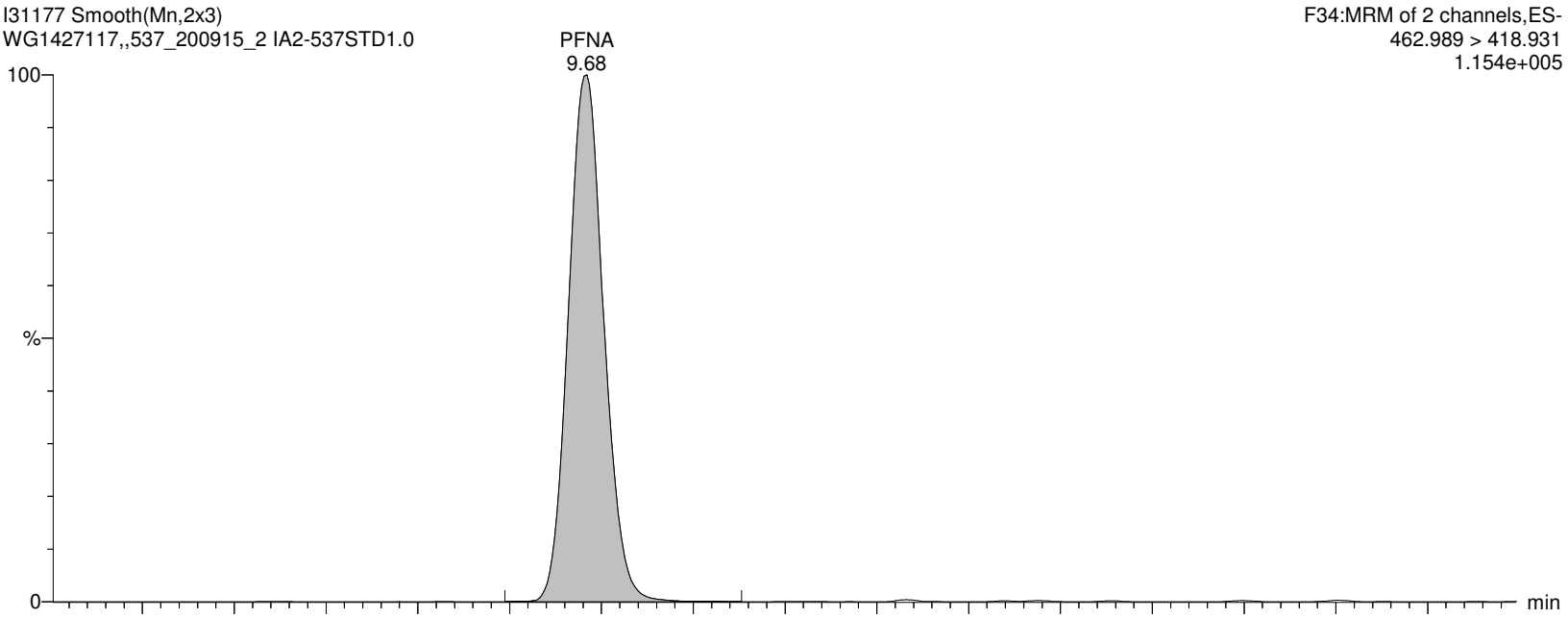

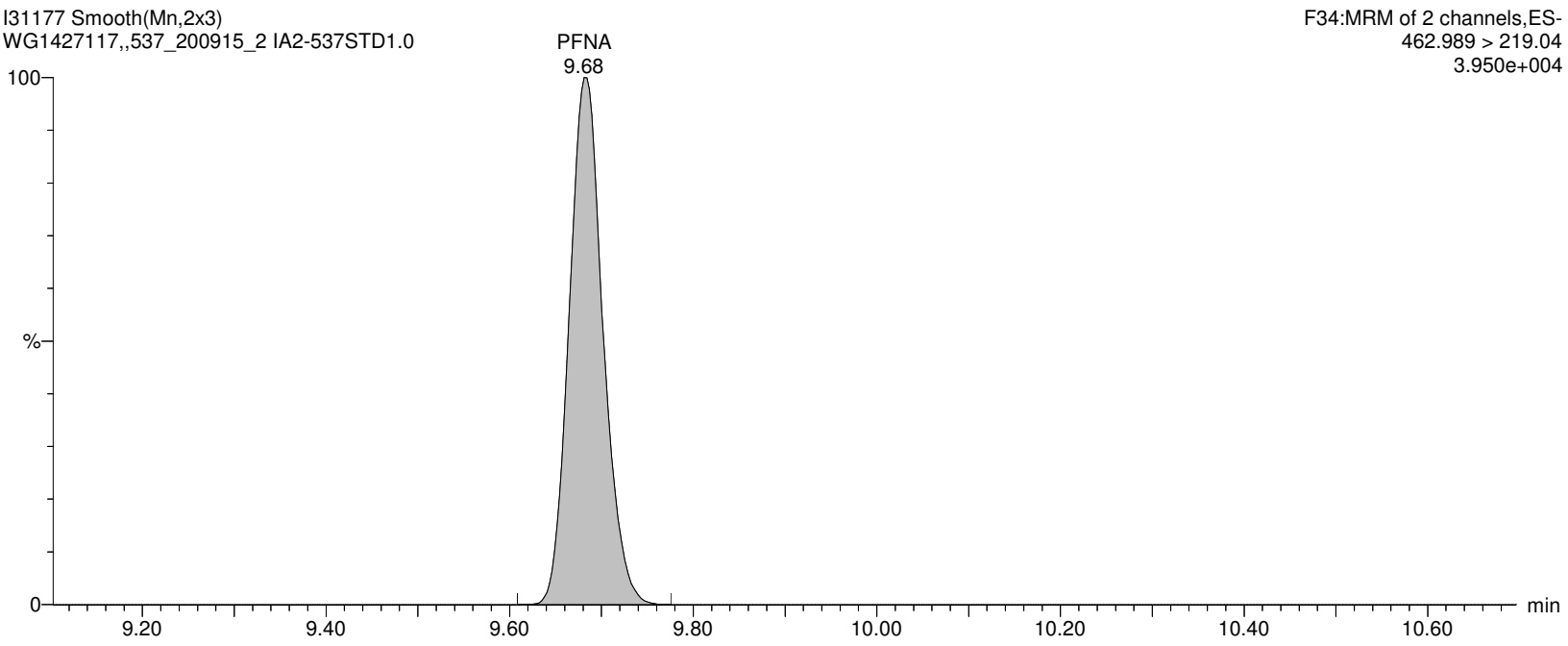

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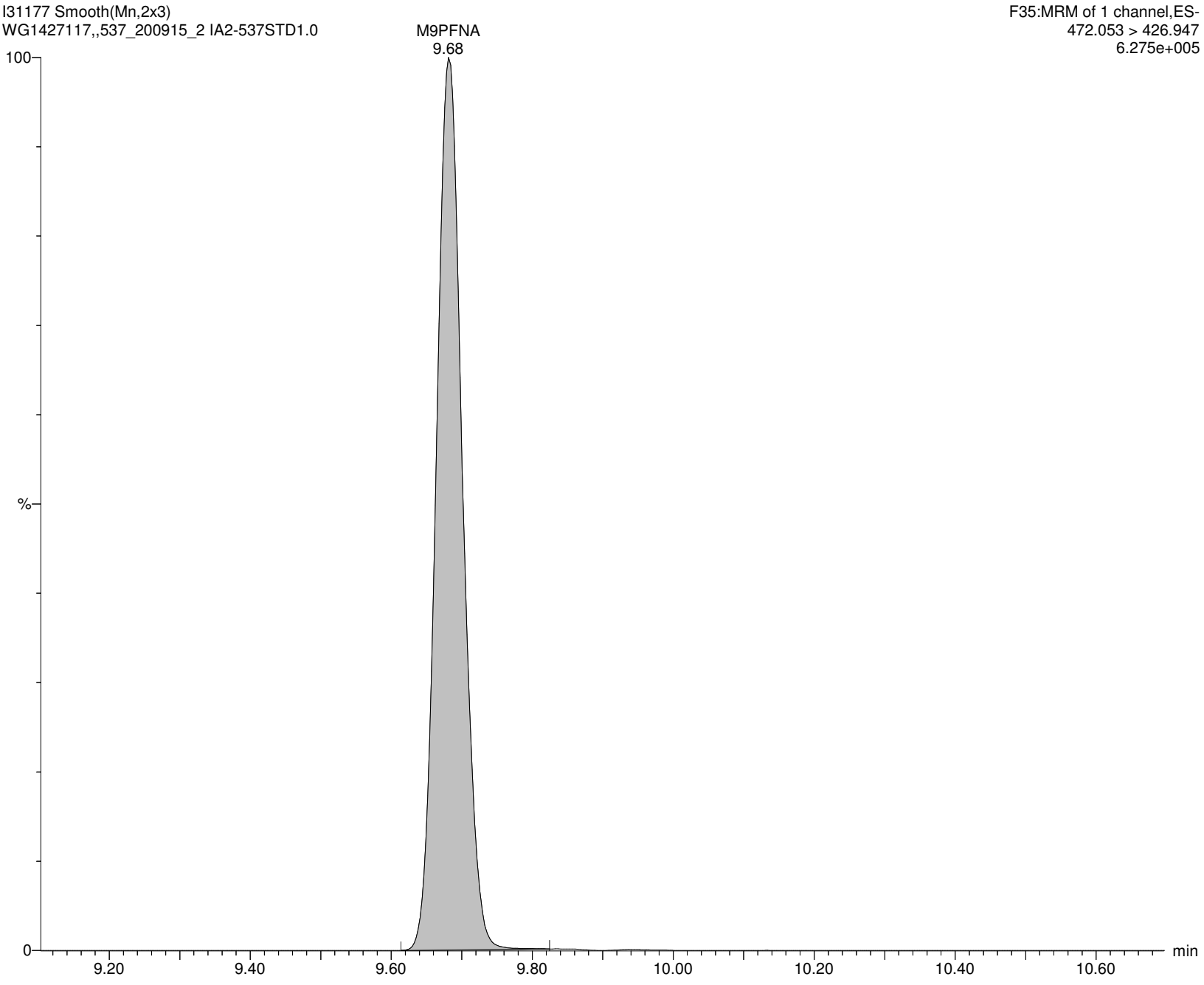

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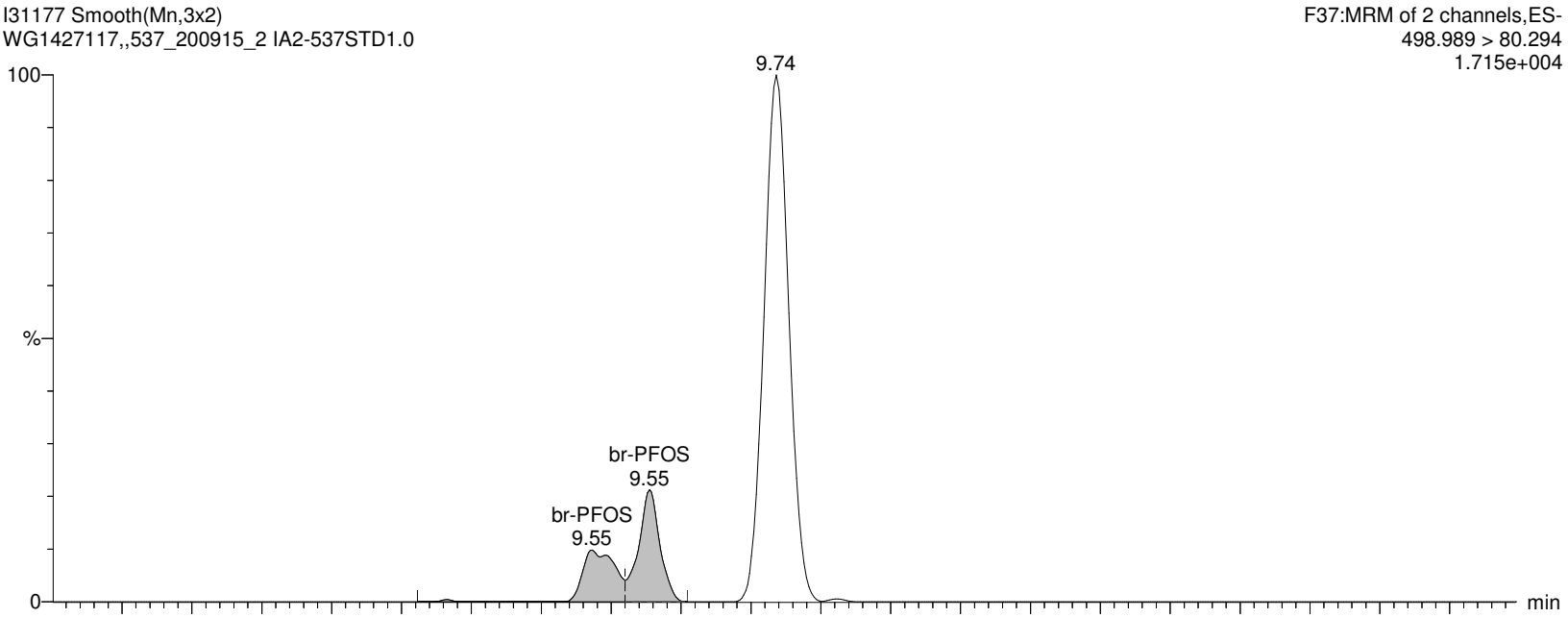

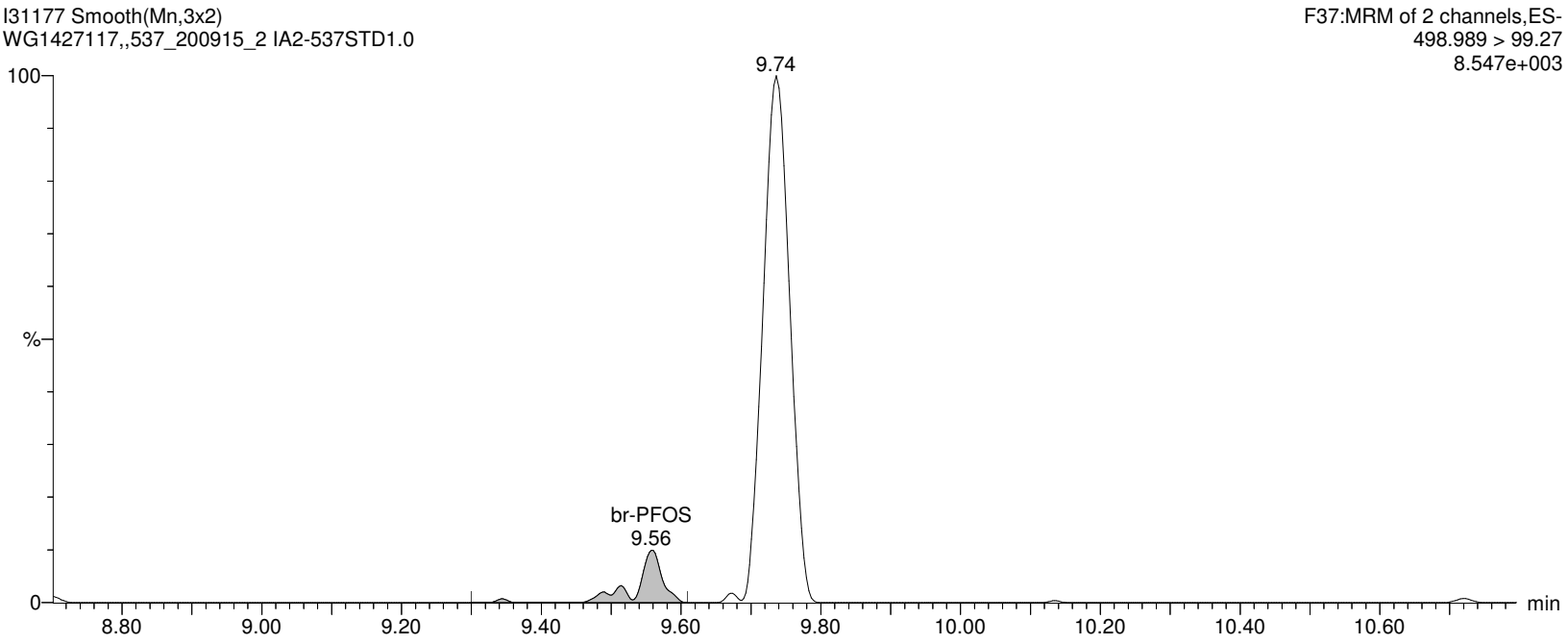

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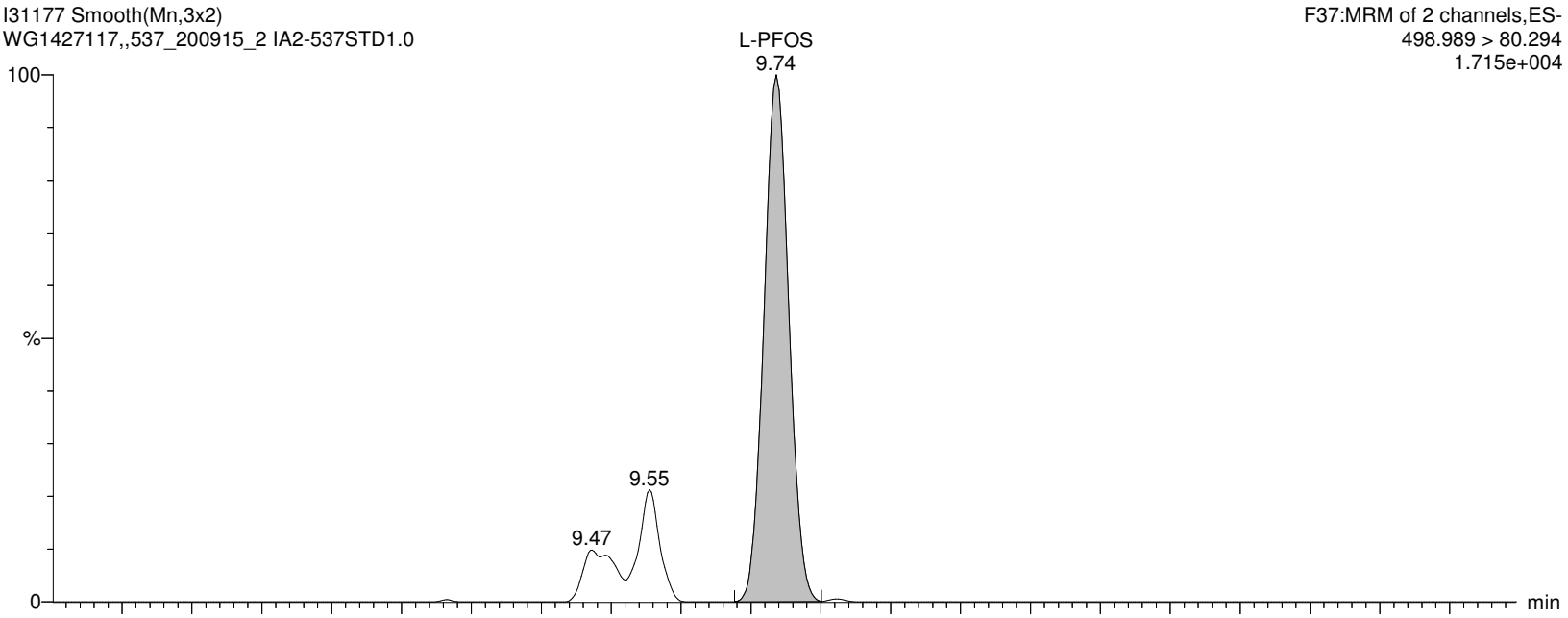

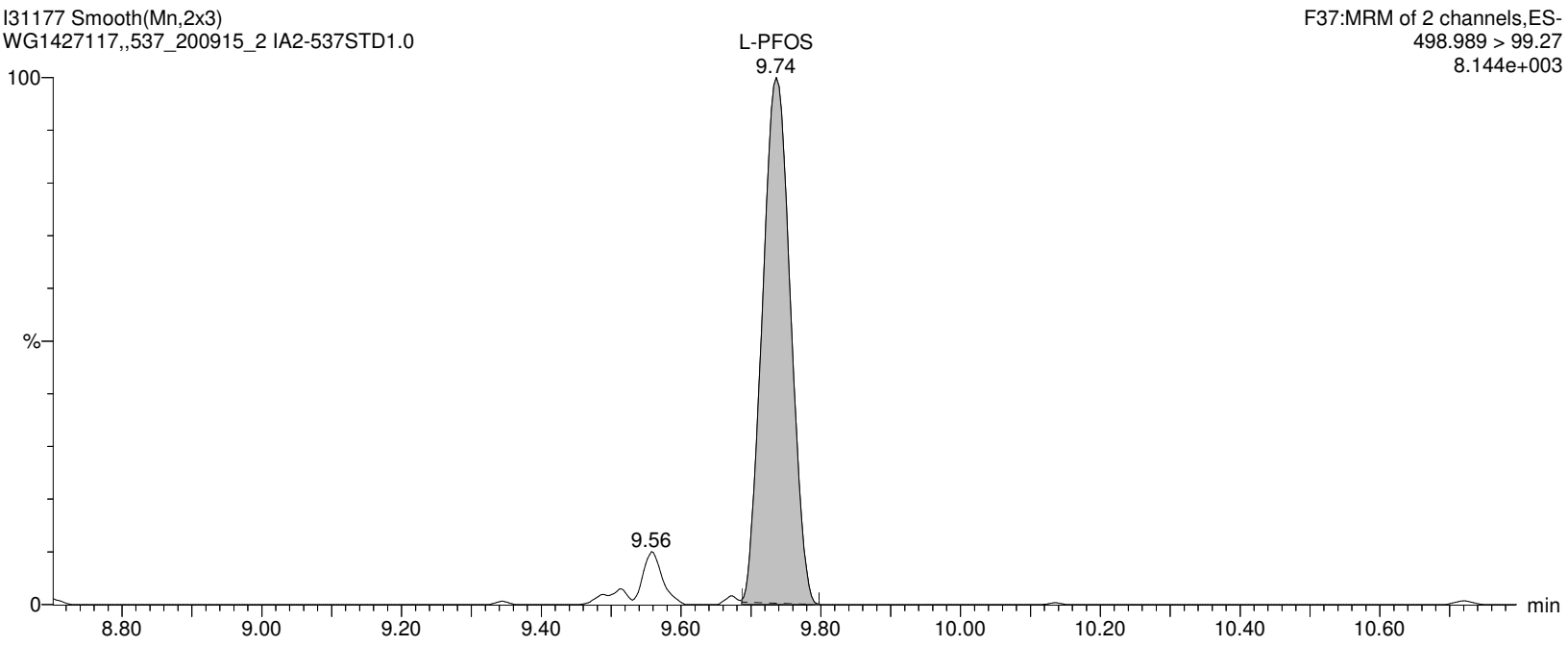

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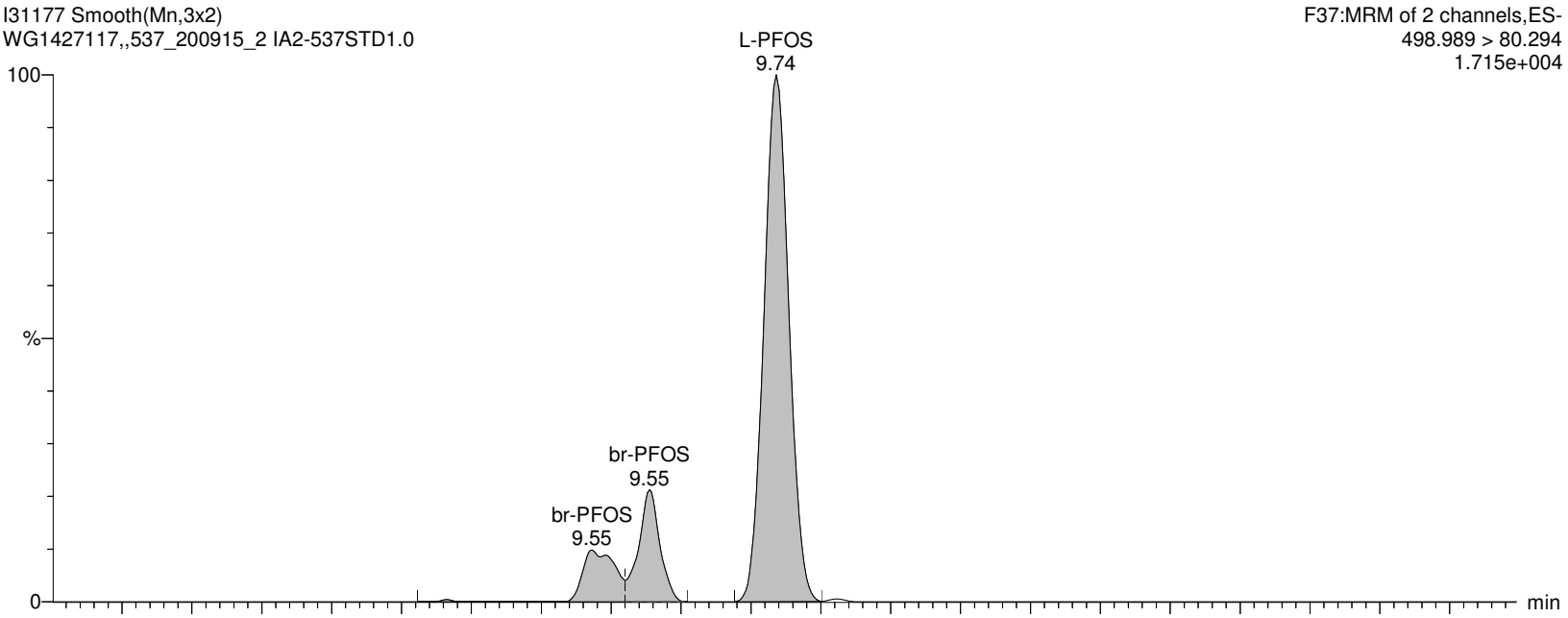

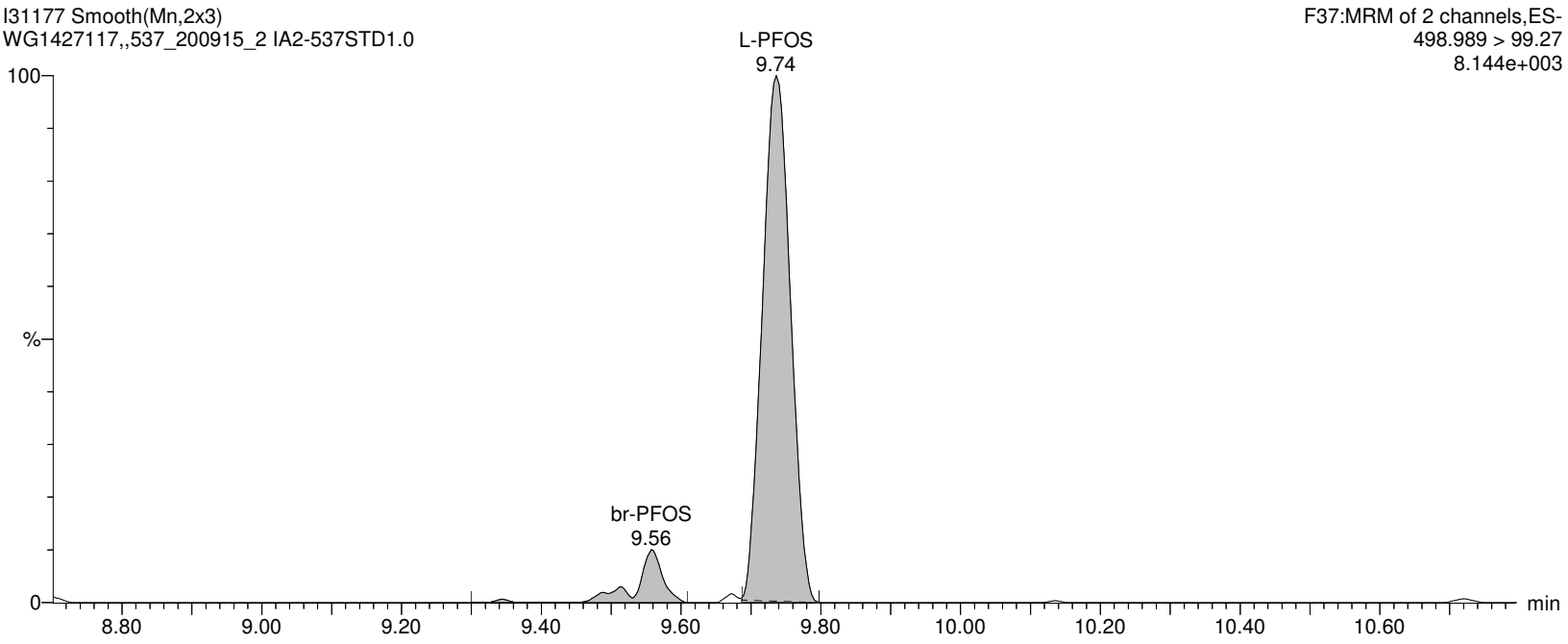

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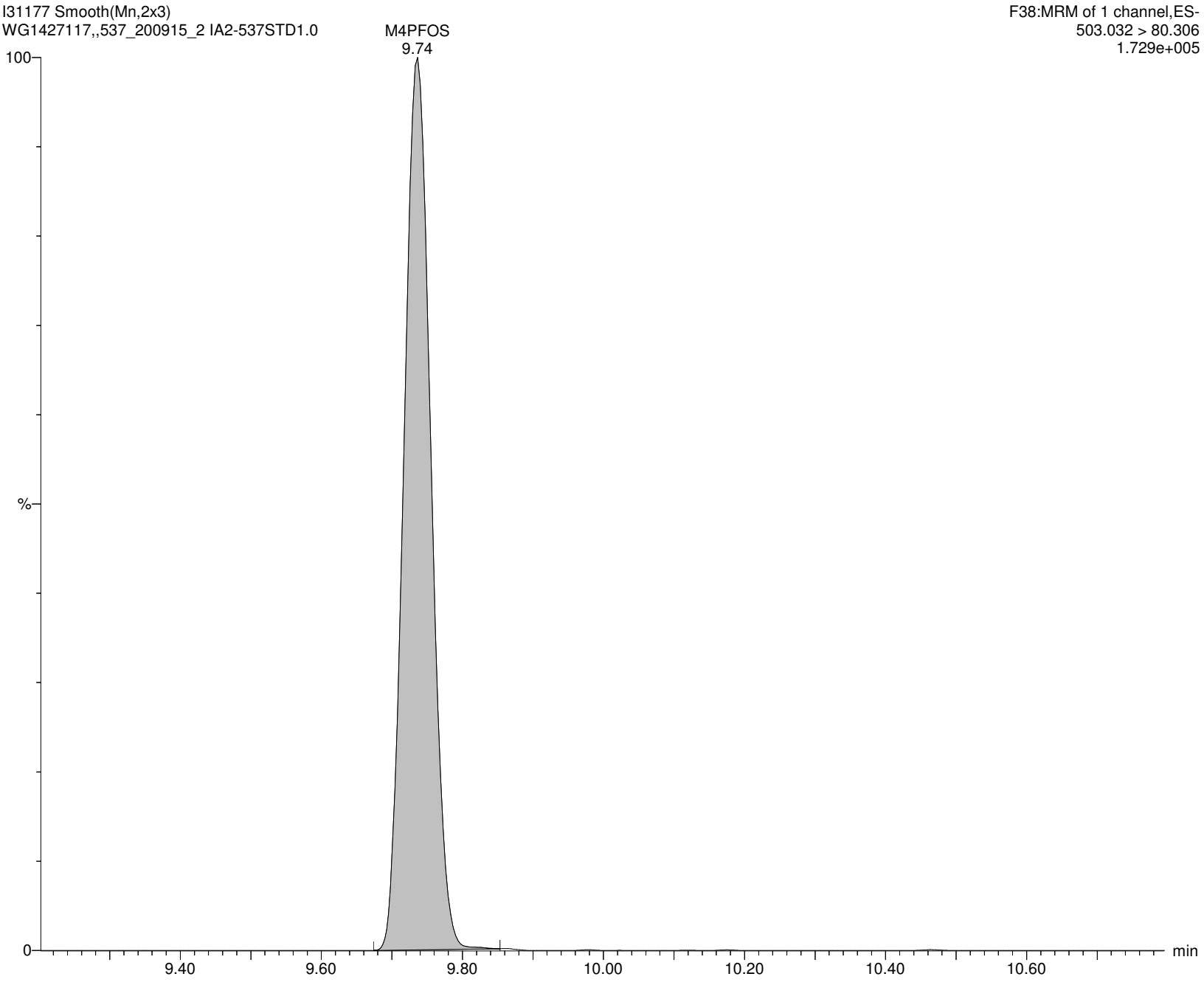

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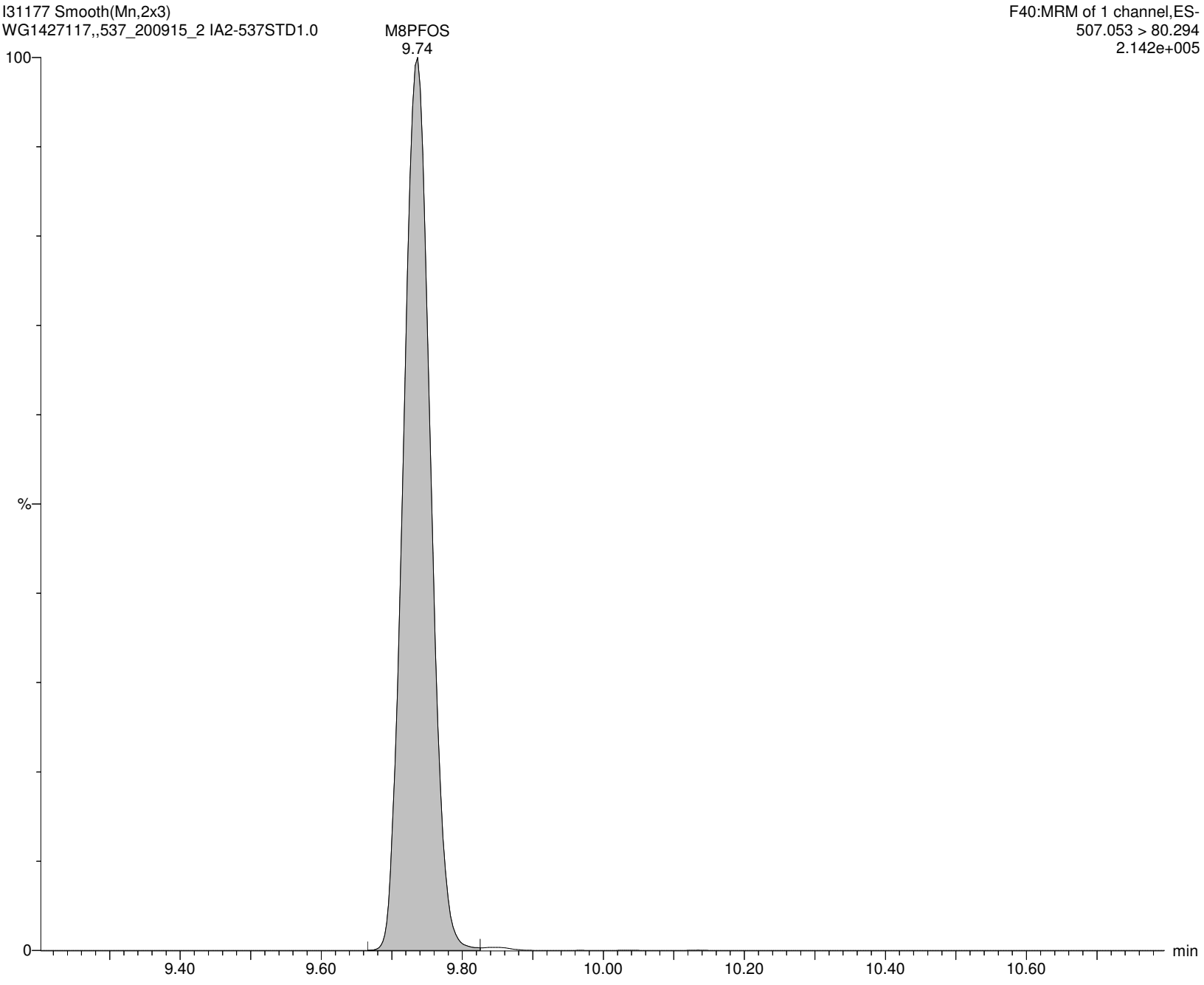

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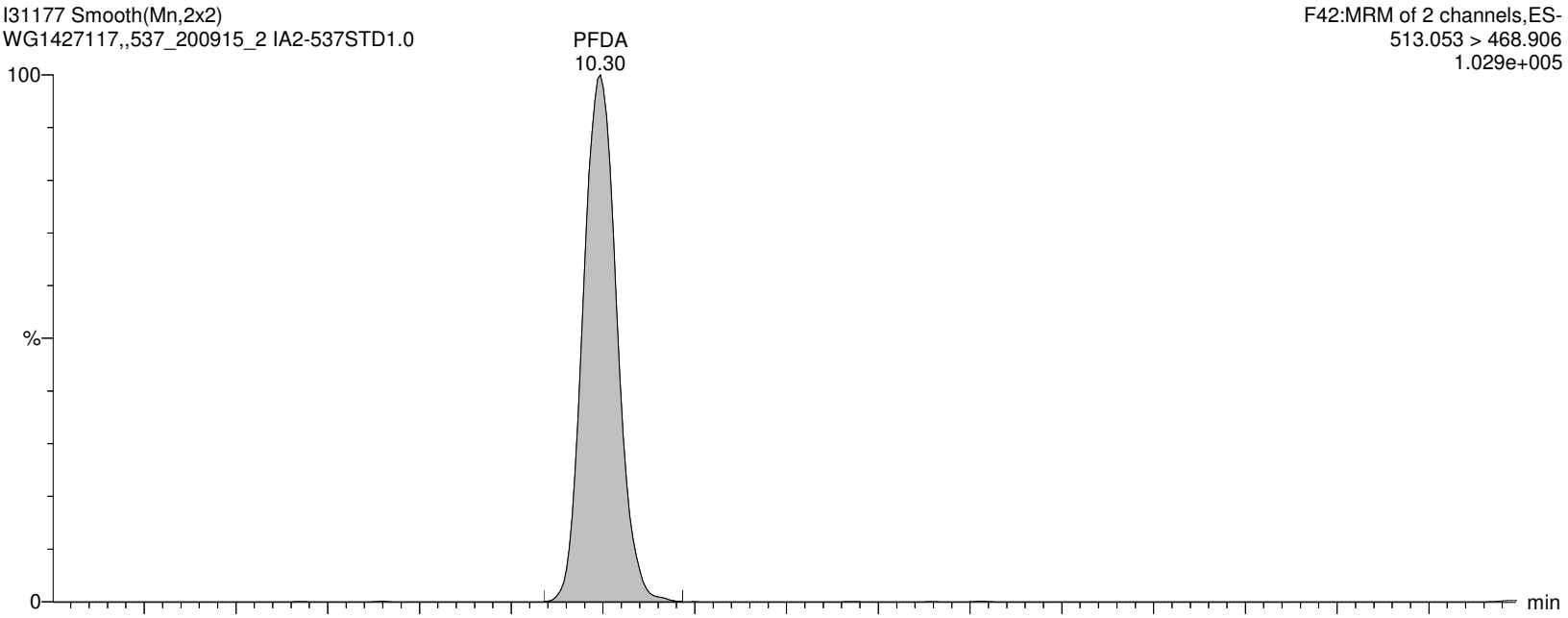

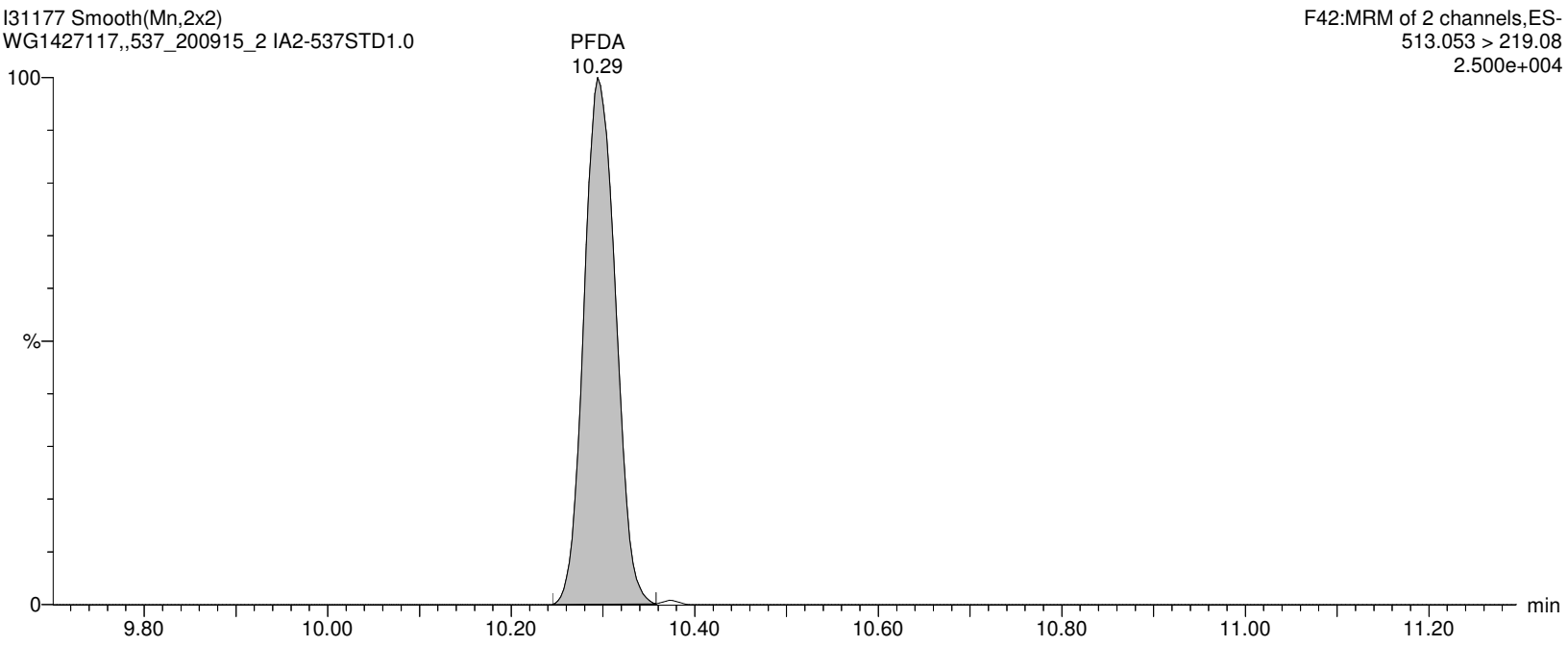

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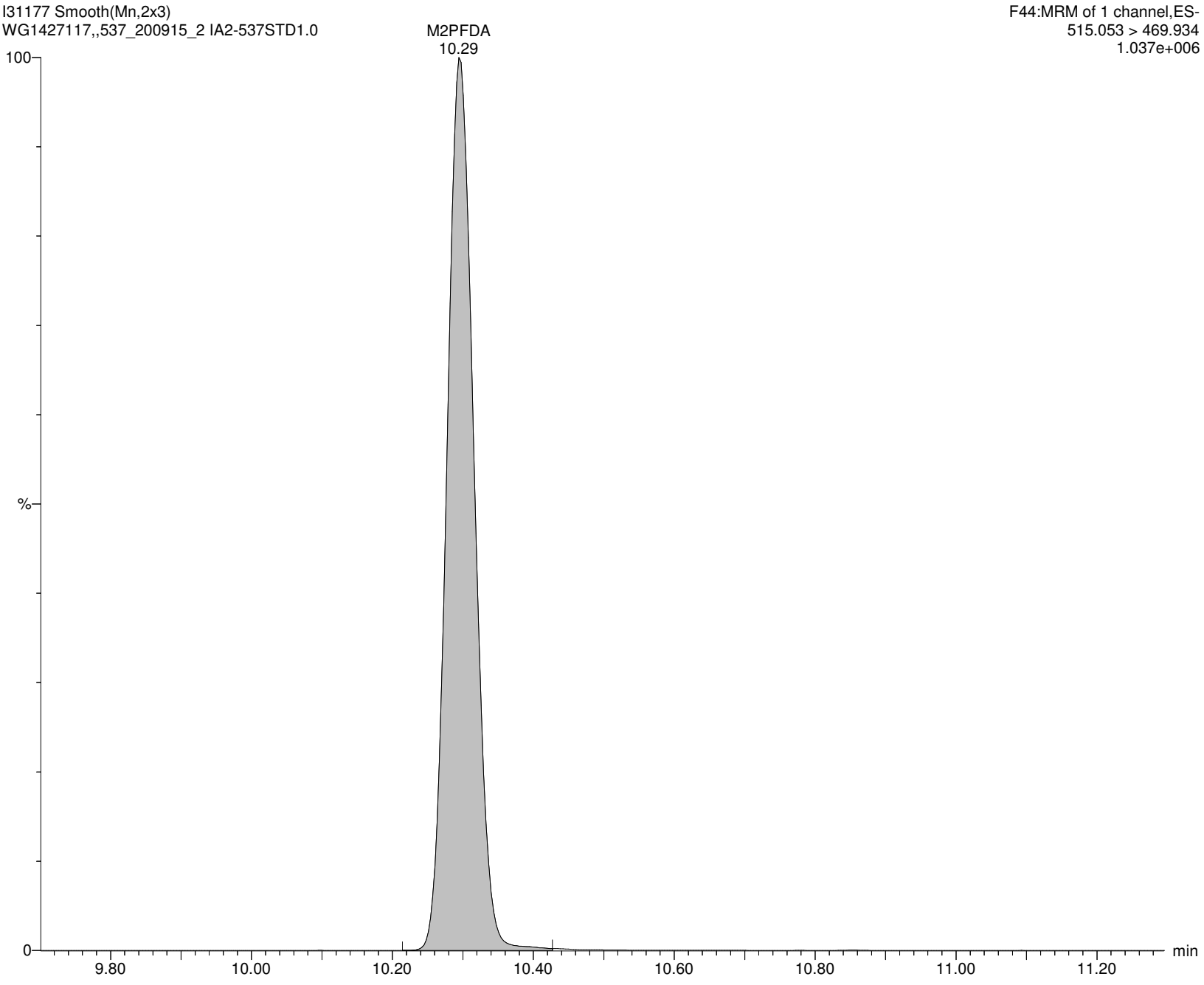

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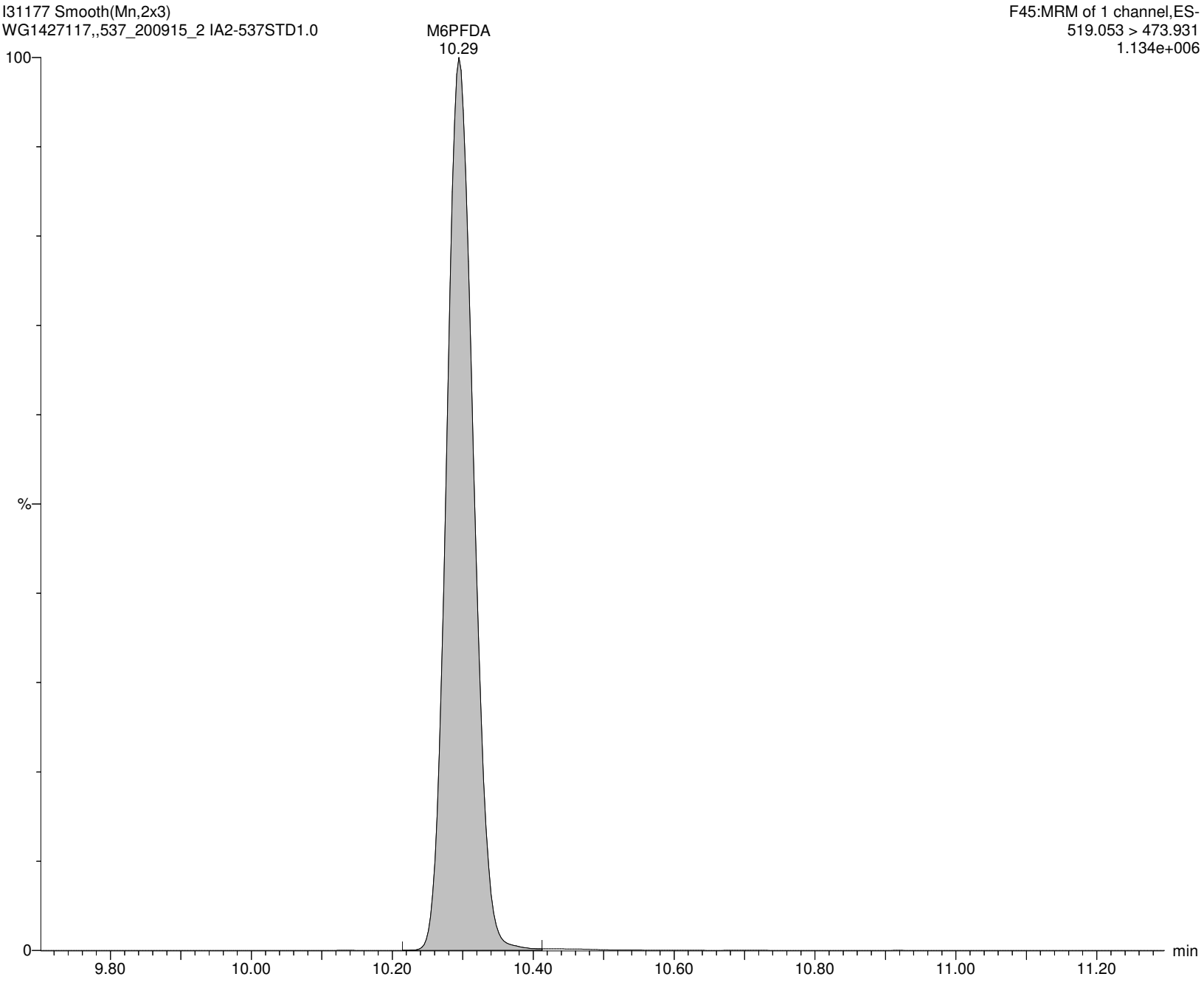

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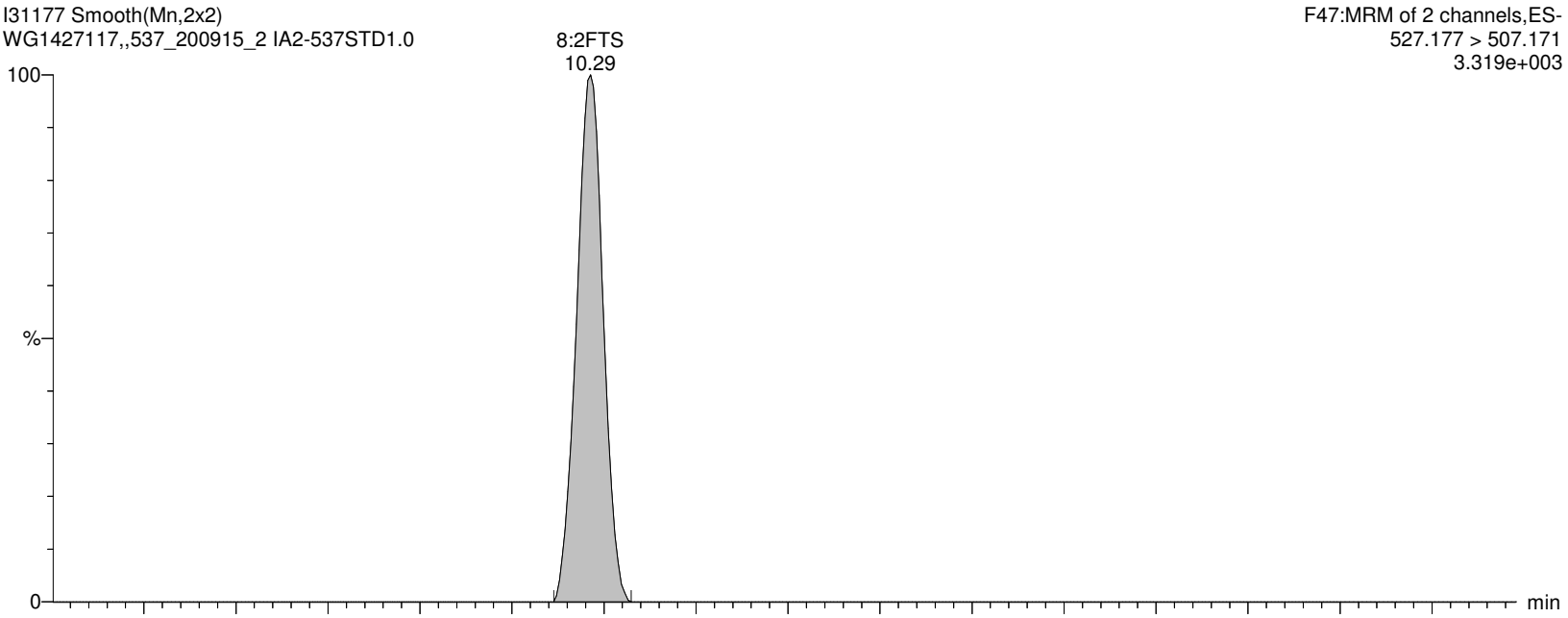
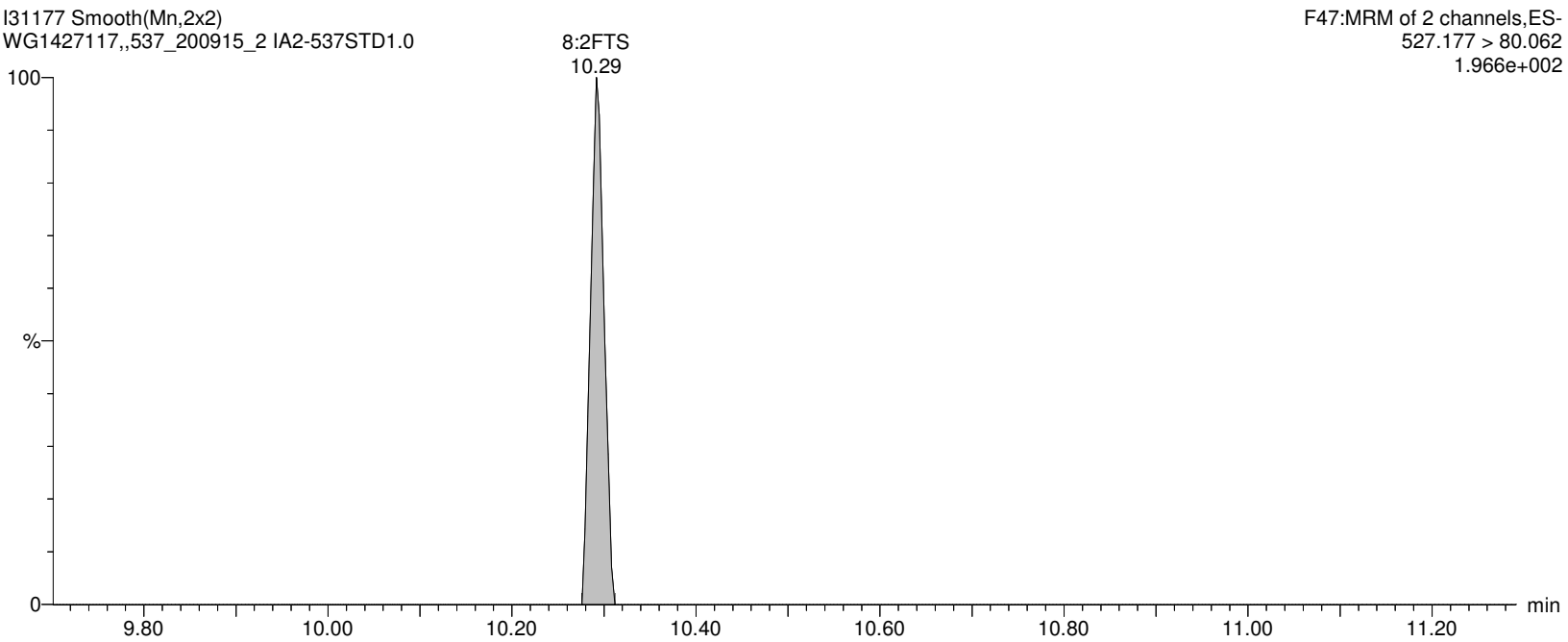
8:2FTS





all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:15:45 Eastern Daylight Time

Name: I31177
ID: IA2-537STD1.0
Date: 27-Oct-2020
Time: 17:57:04
Description: WG1427117,,537_200915_2
User: LCMS02:JW
Vial: 1:A,3
Instrument: XEVO-TQSmicro#QEB0050
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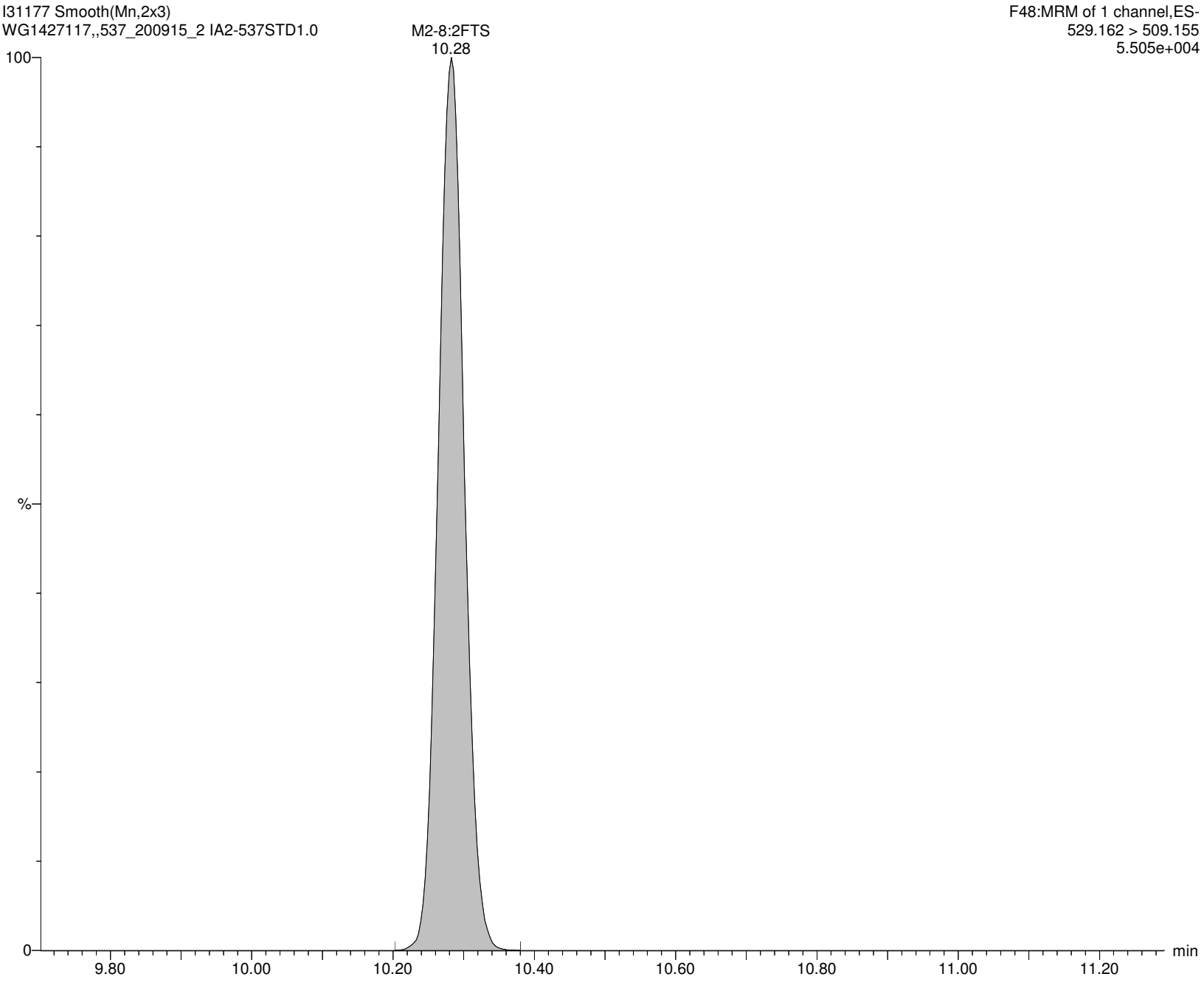
M2-8:2FTS



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
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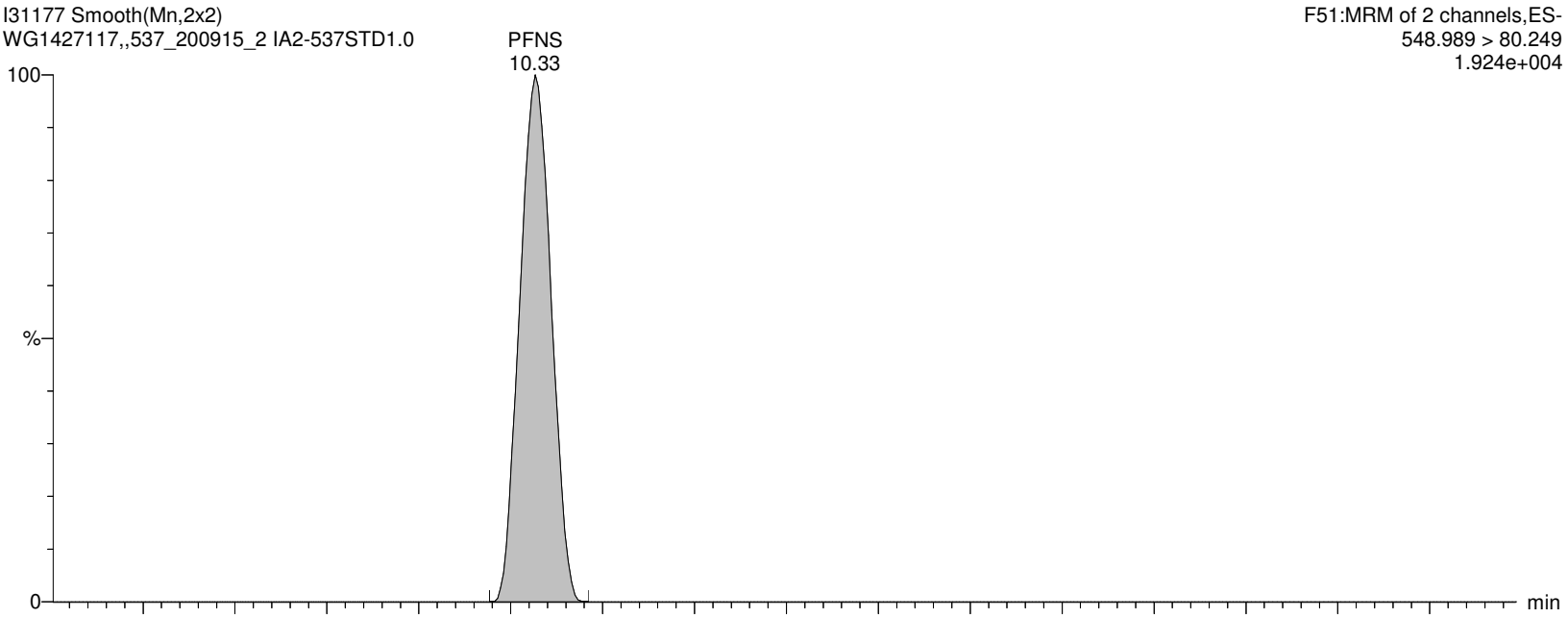

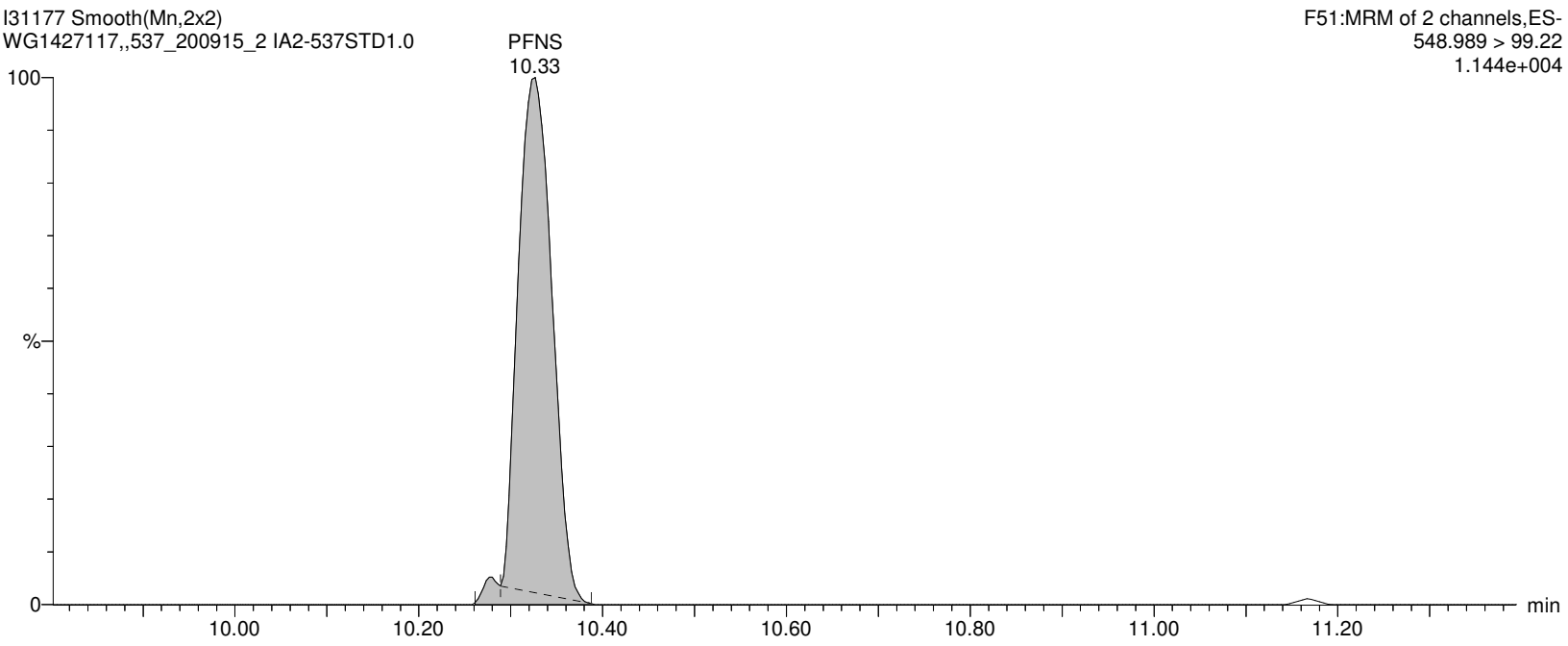

all concentration units in (ng/mL)

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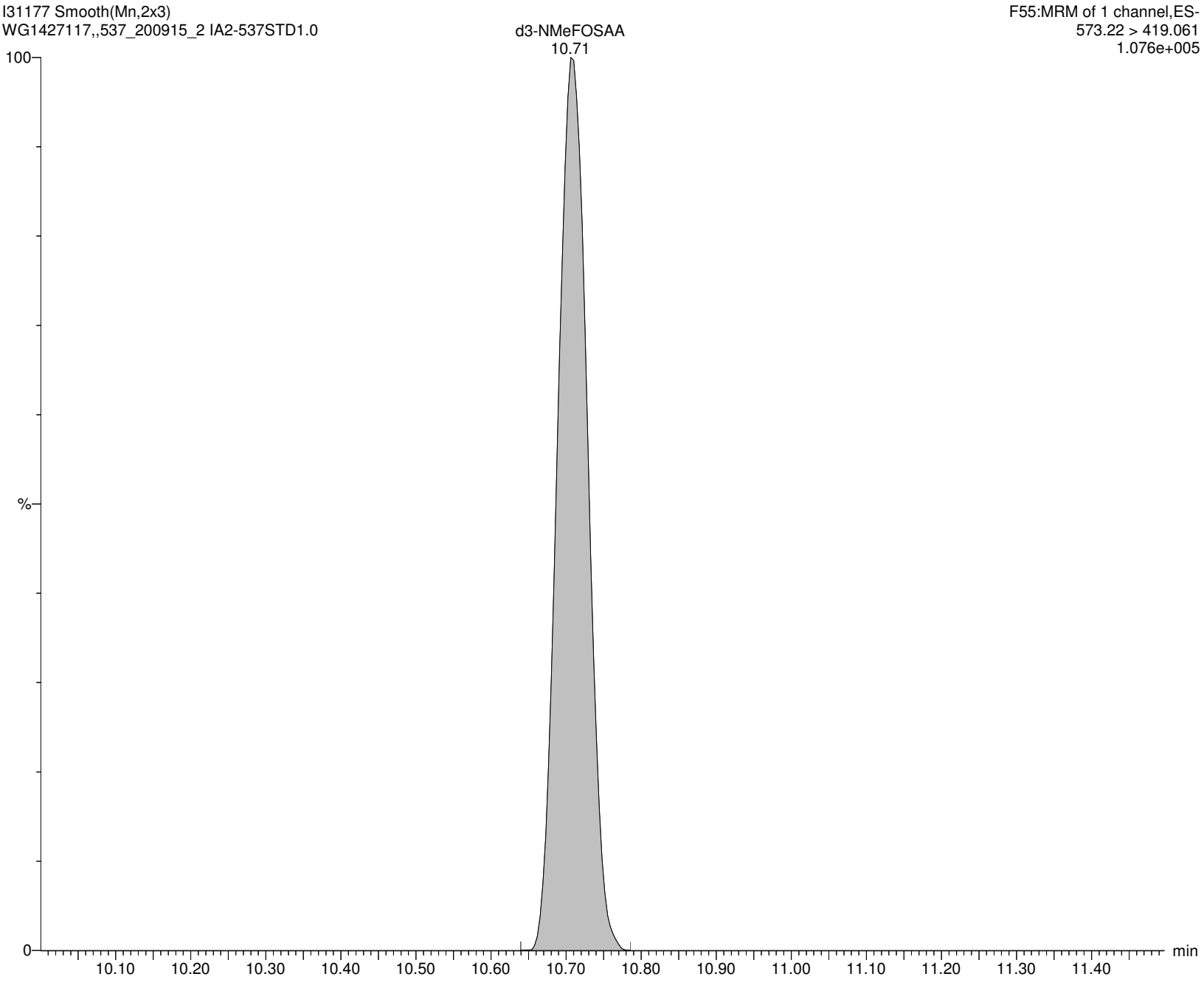
d3-NMeFOSAA



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
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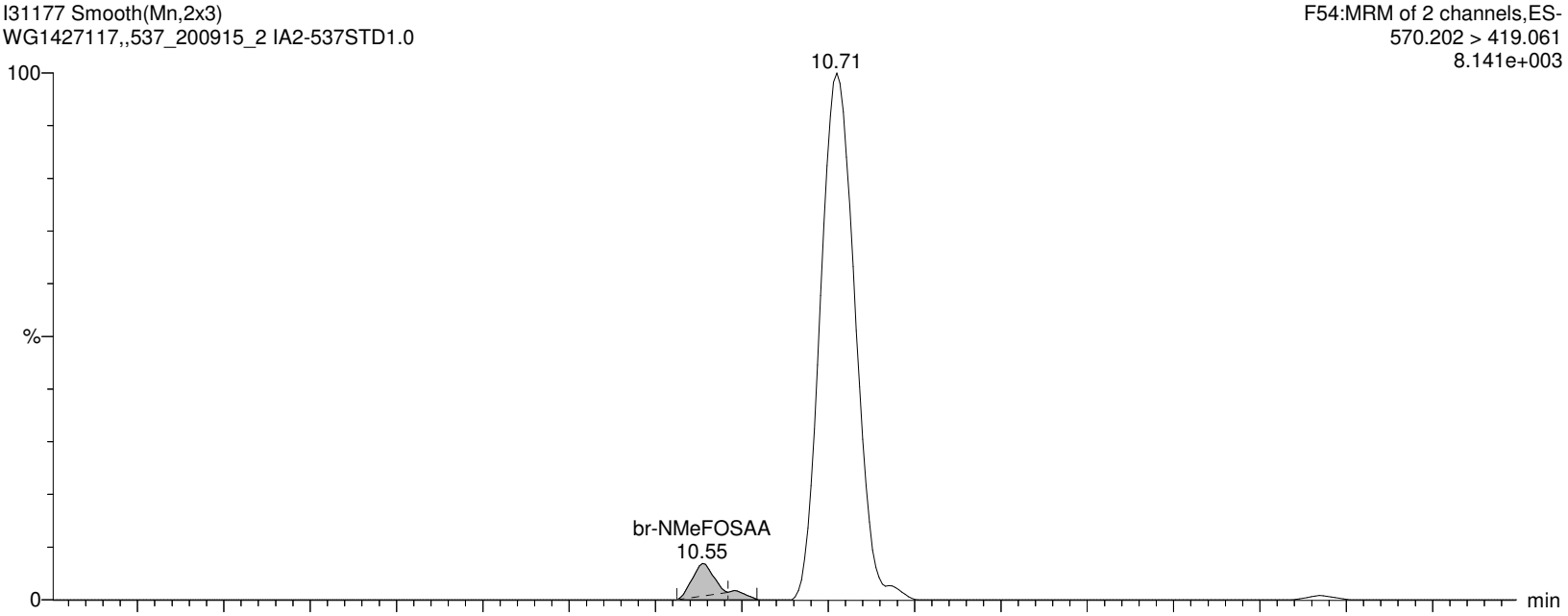
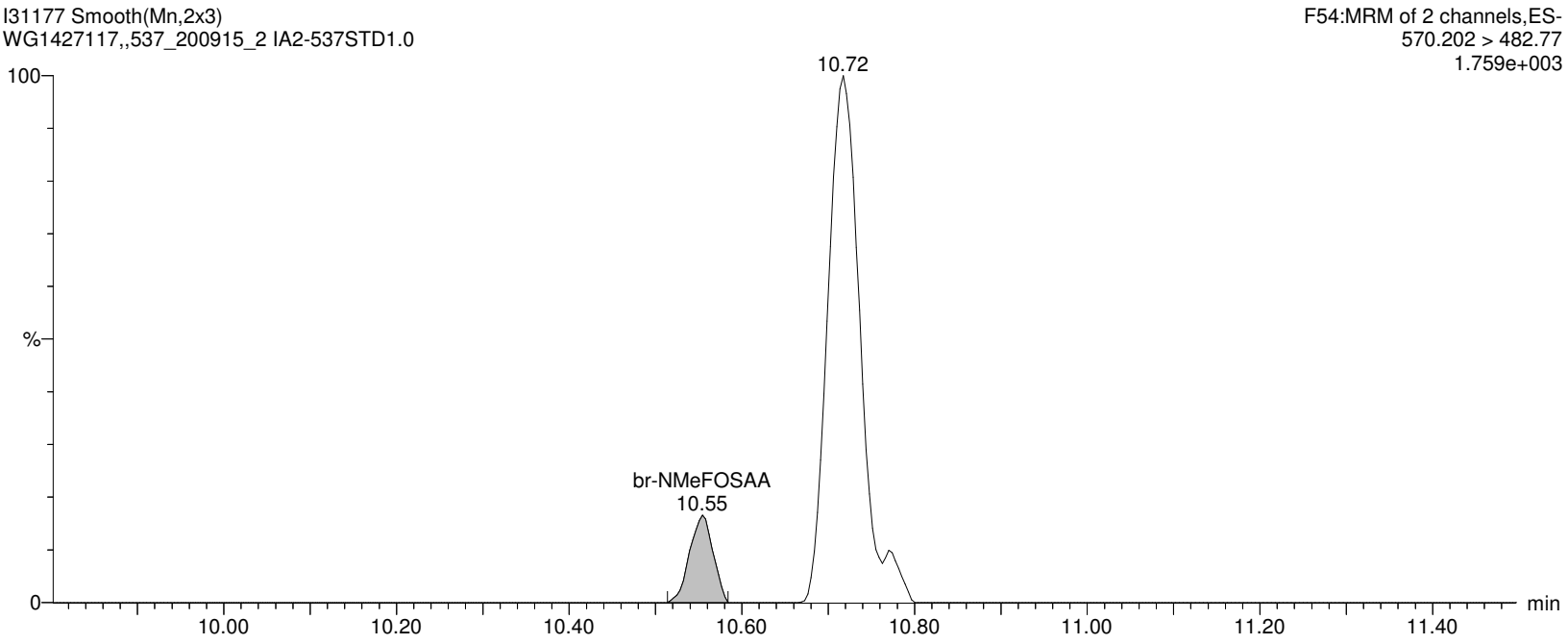
br-NMeFOSAA





all concentration units in (ng/mL)

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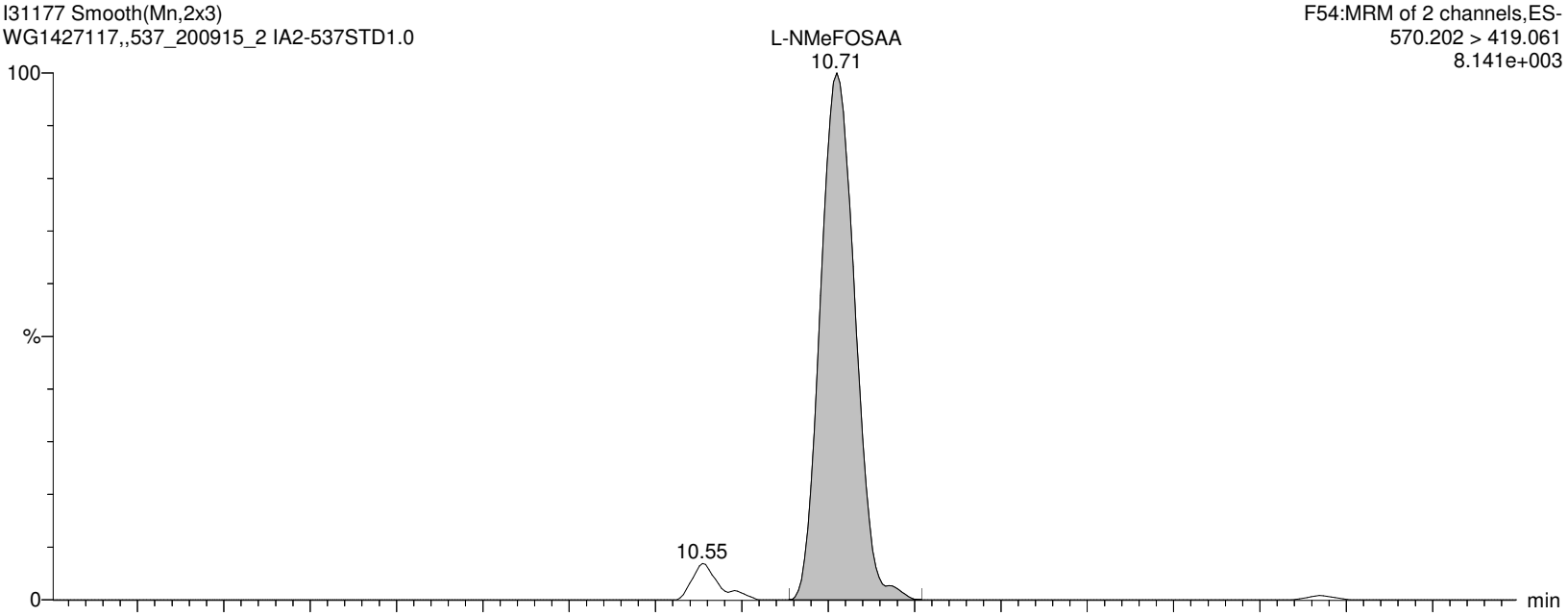
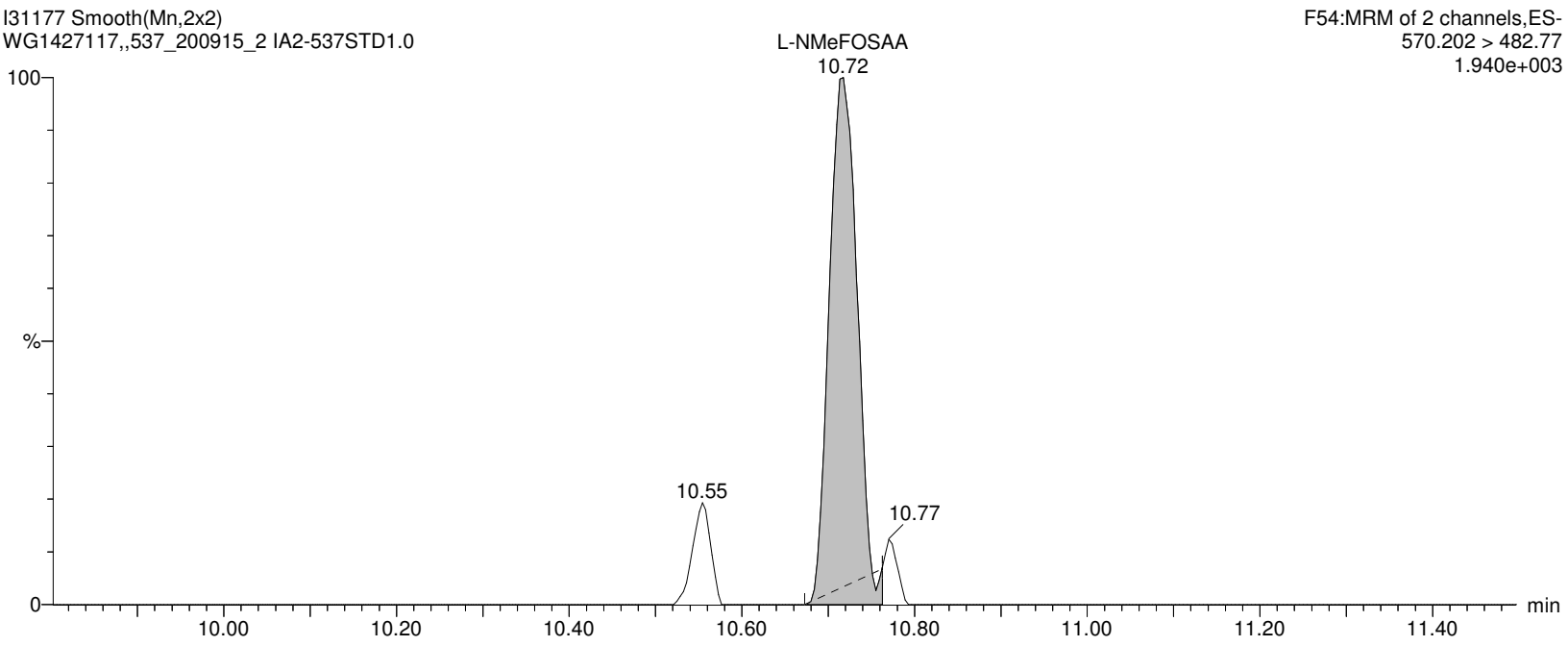
L-NMeFOSAA





all concentration units in (ng/mL)

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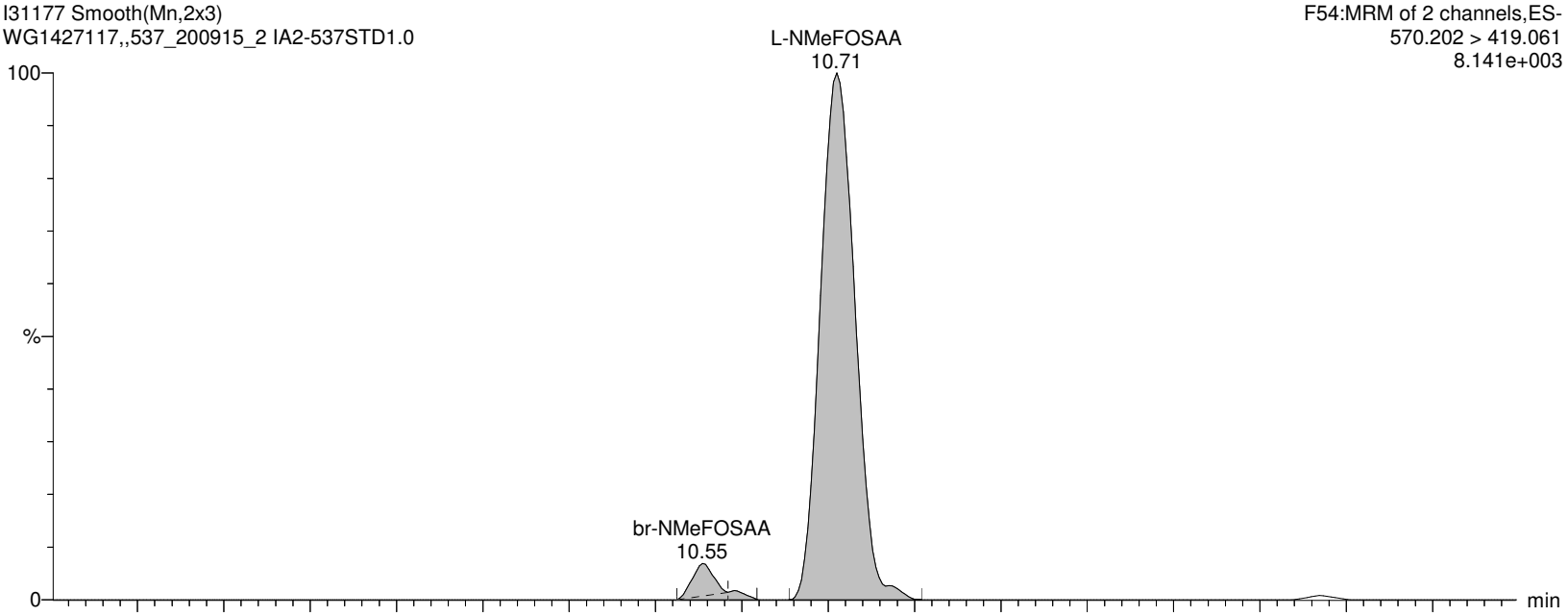

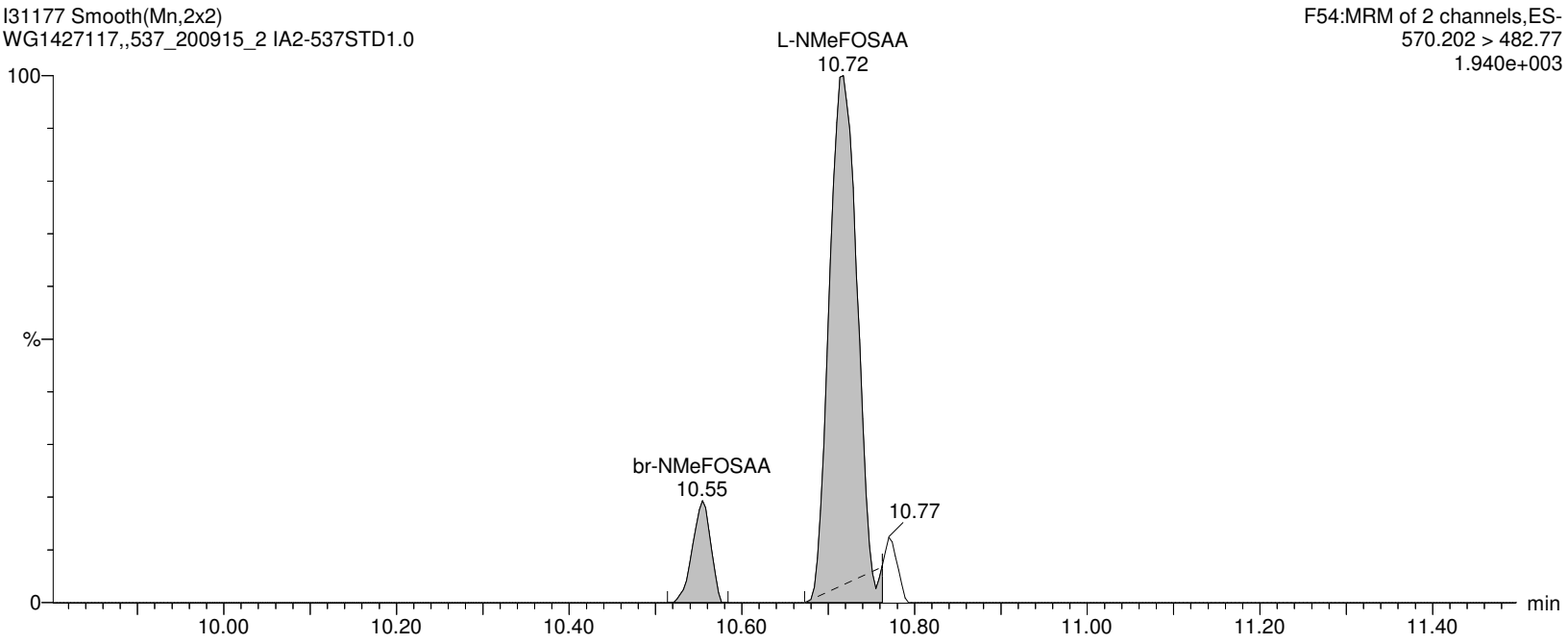

all concentration units in (ng/mL)

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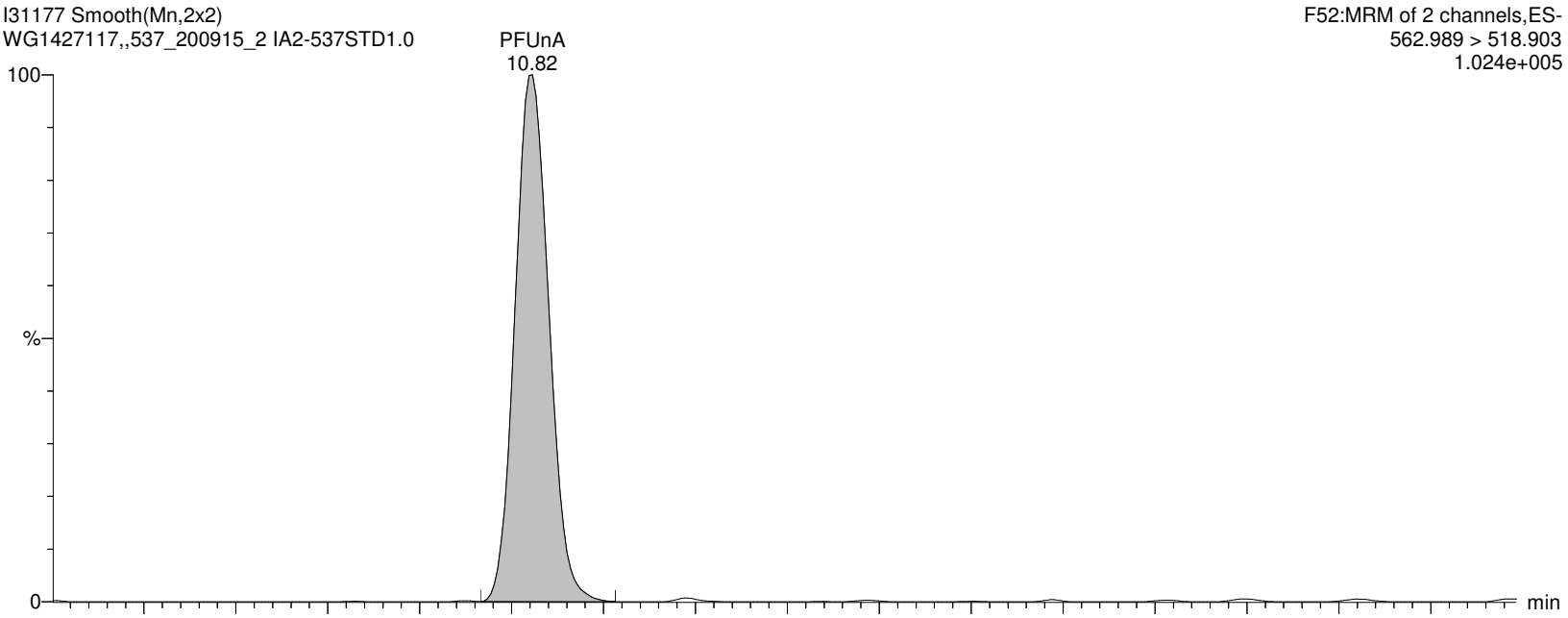

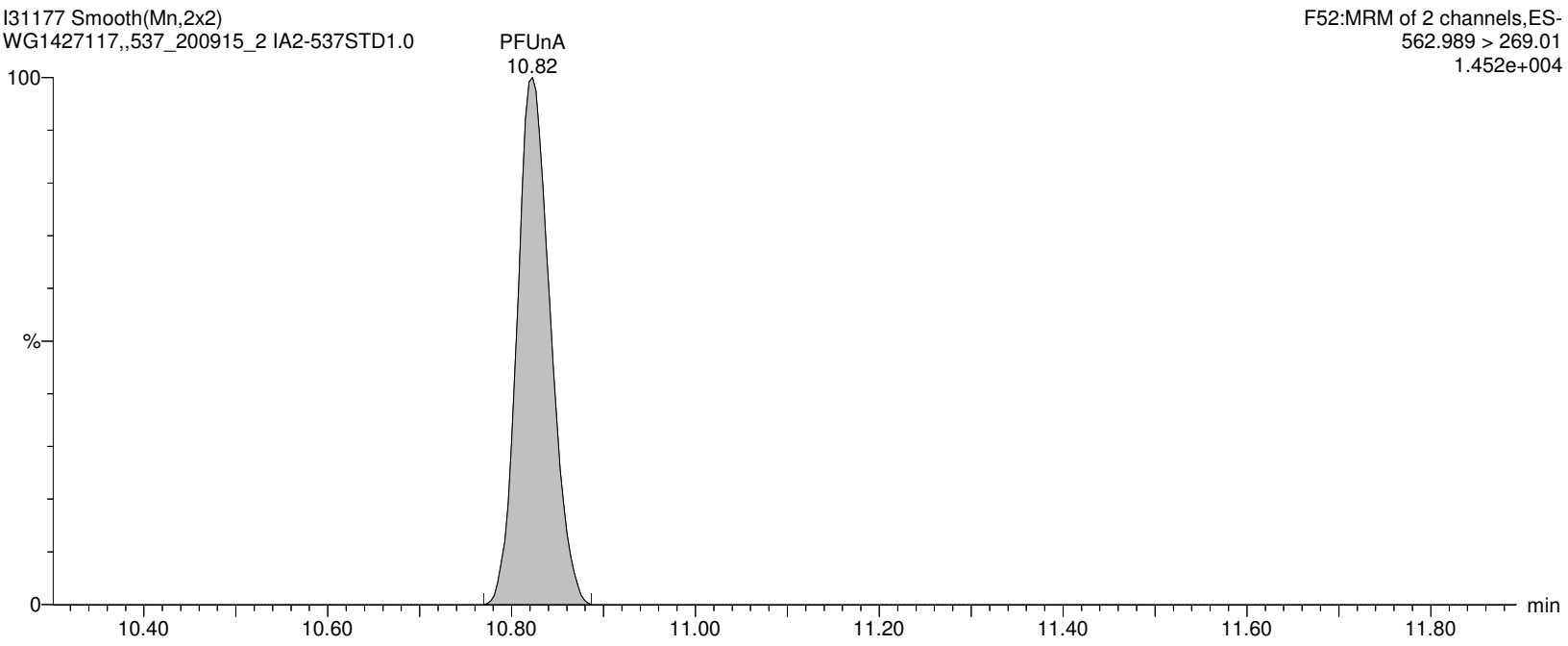

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
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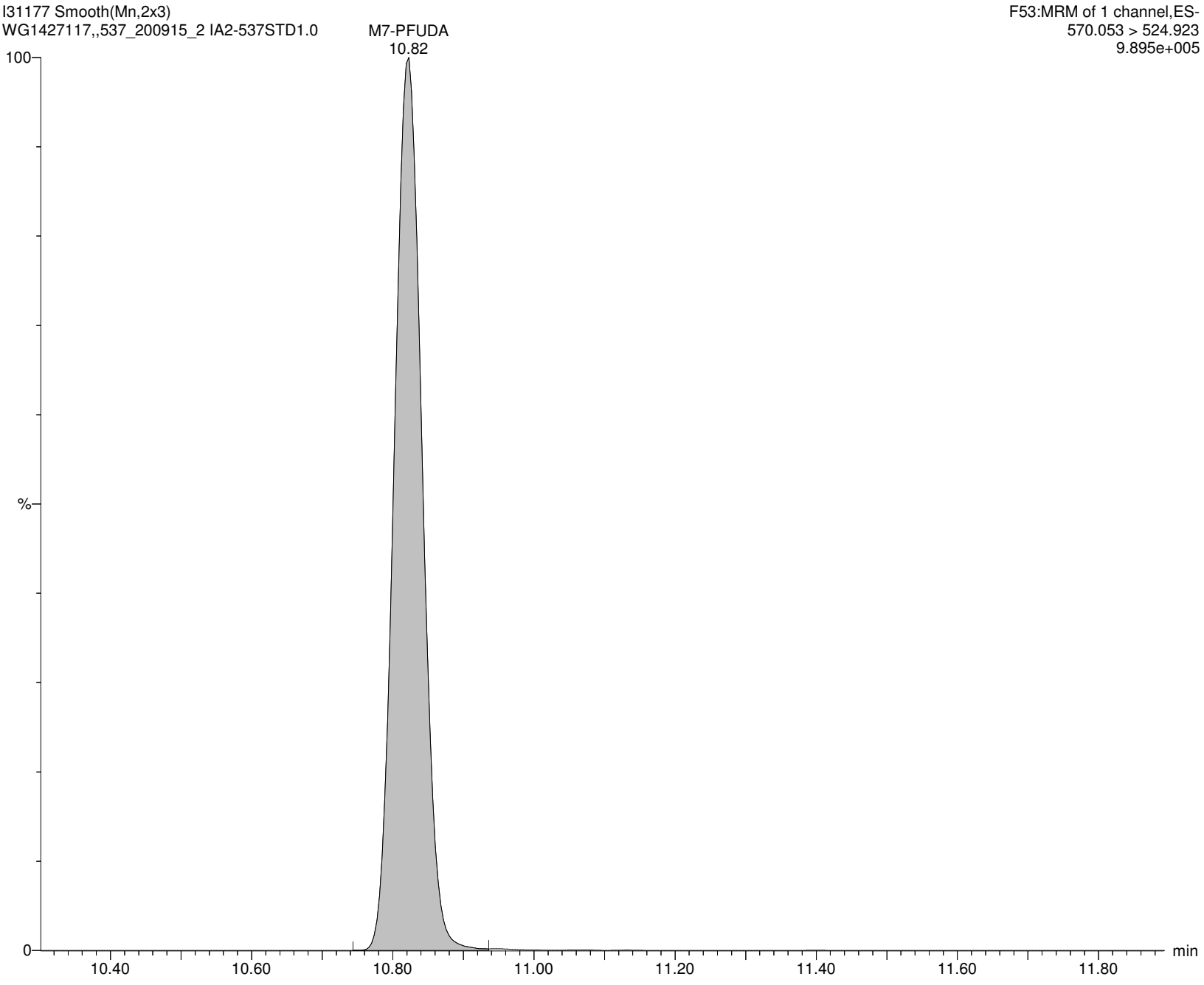

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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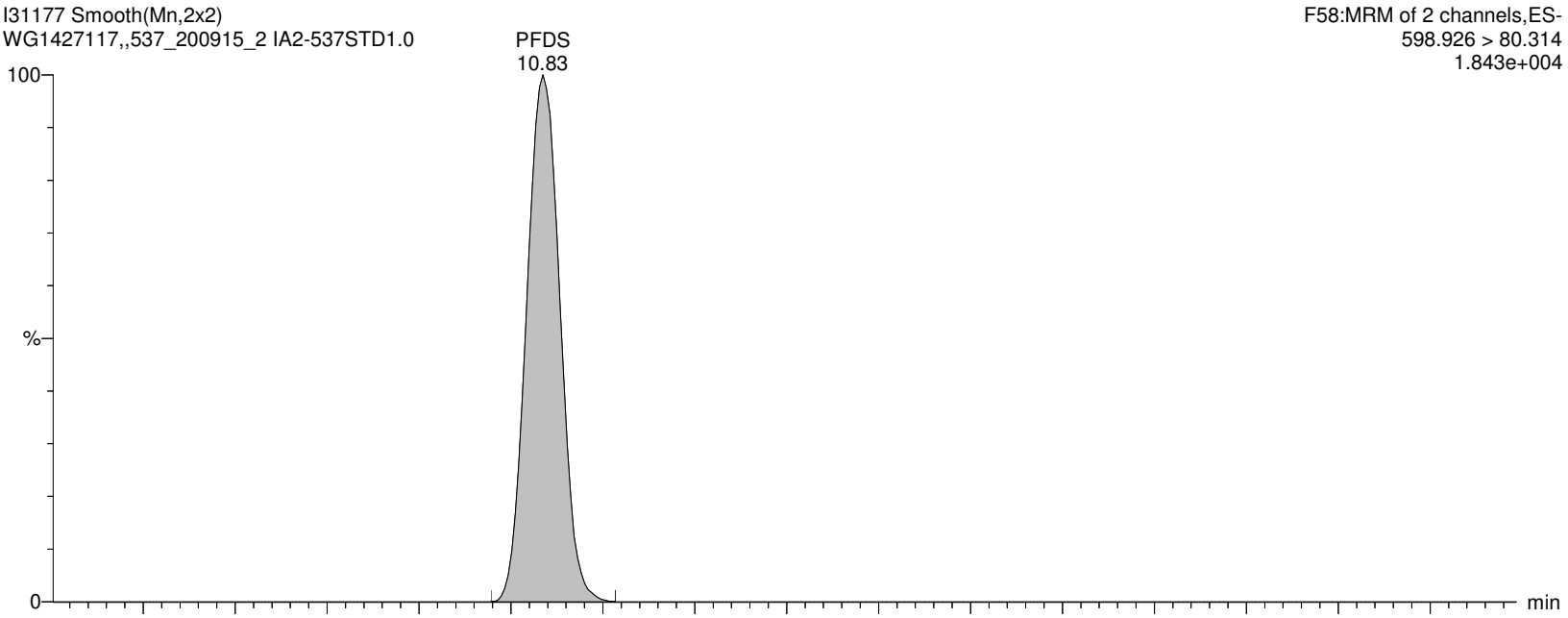

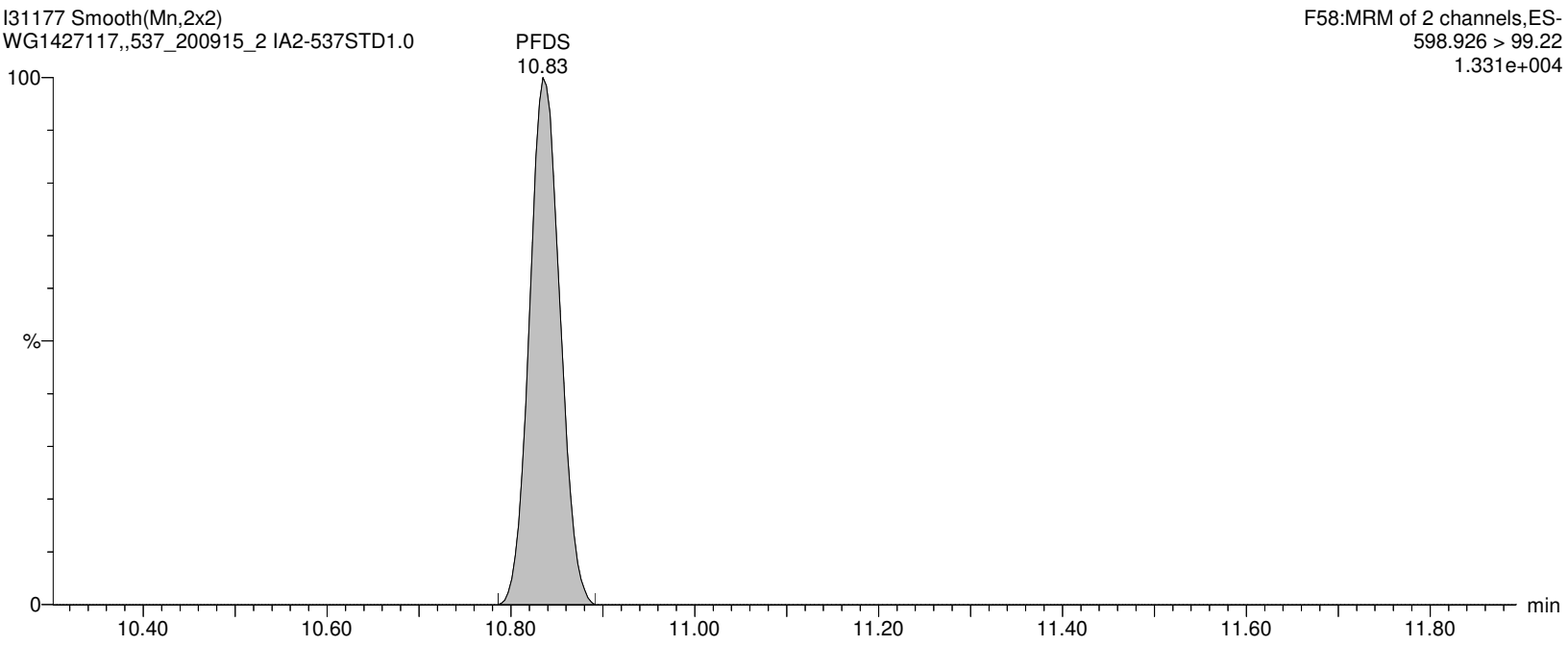

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
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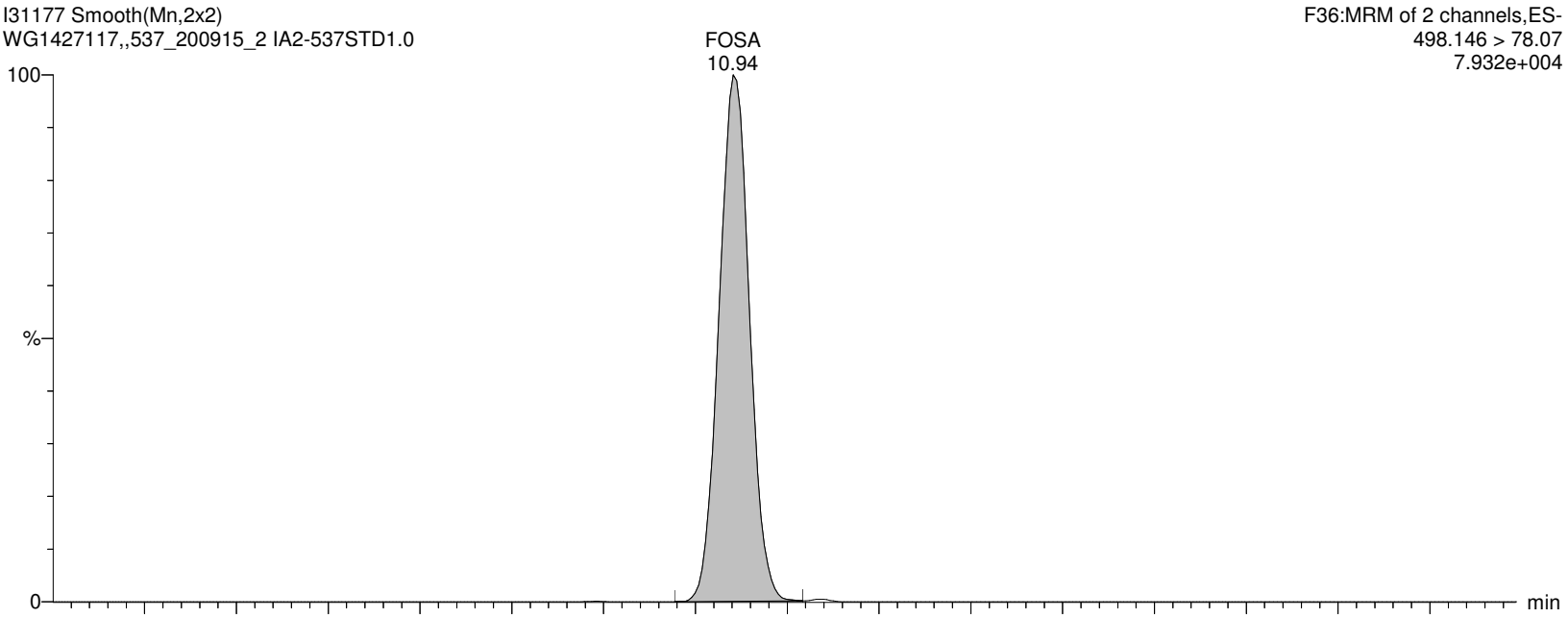

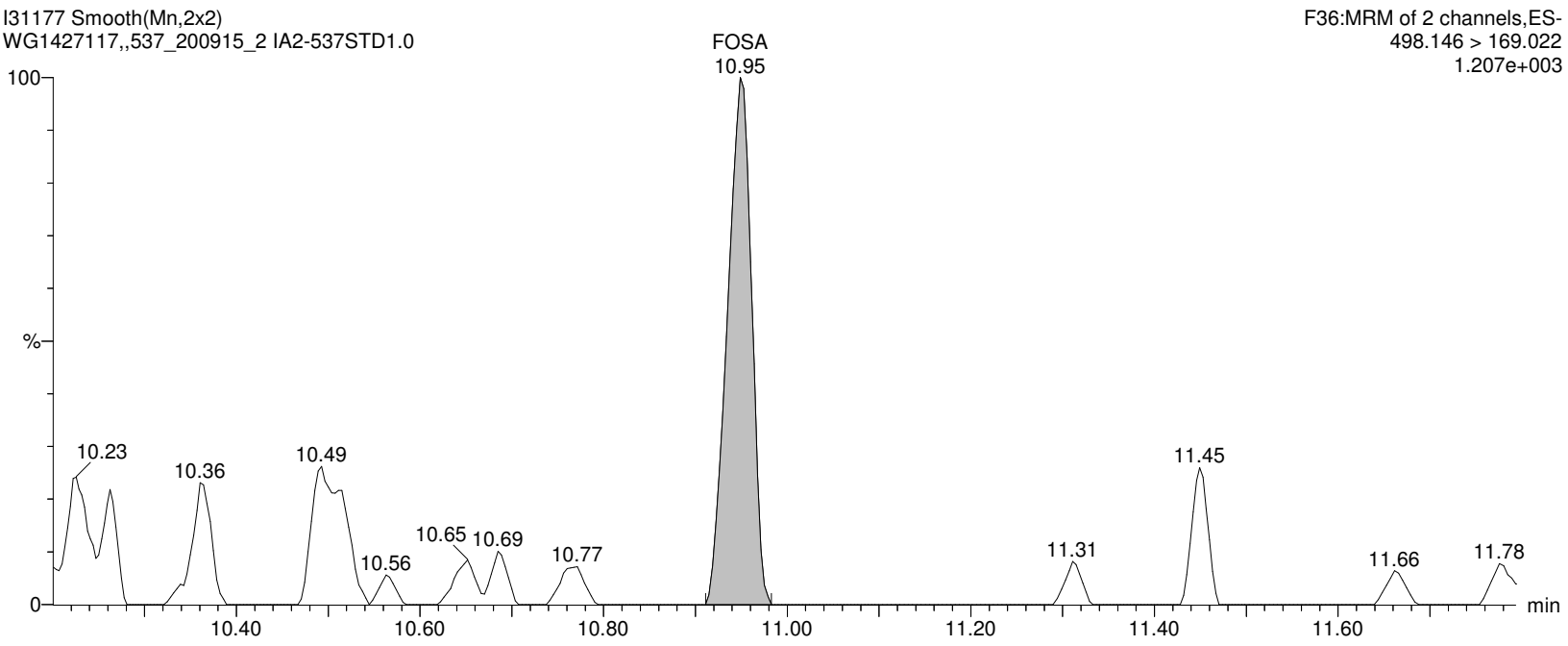

all concentration units in (ng/mL)

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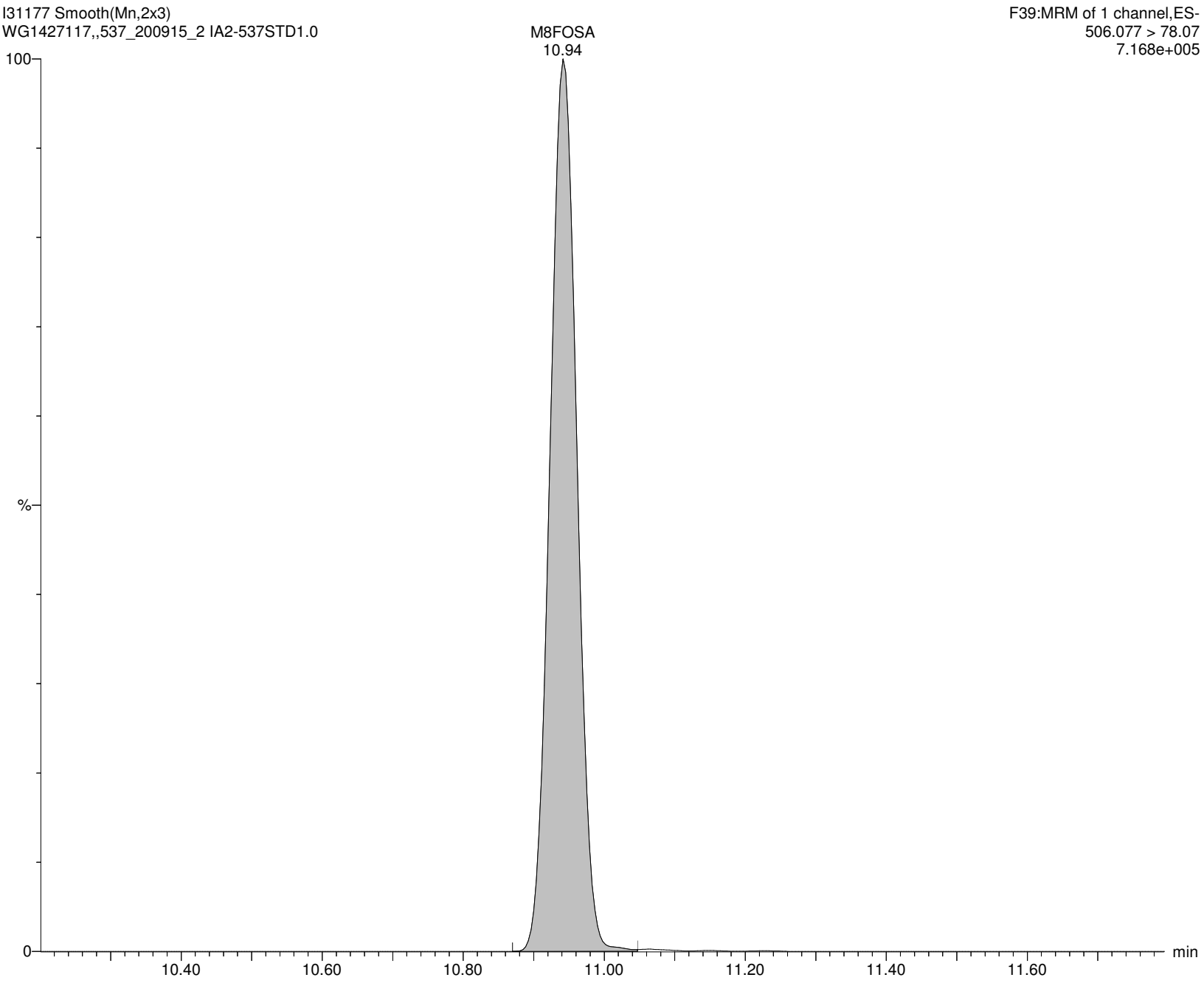

all concentration units in (ng/mL)

Alpha Analytical Inc.
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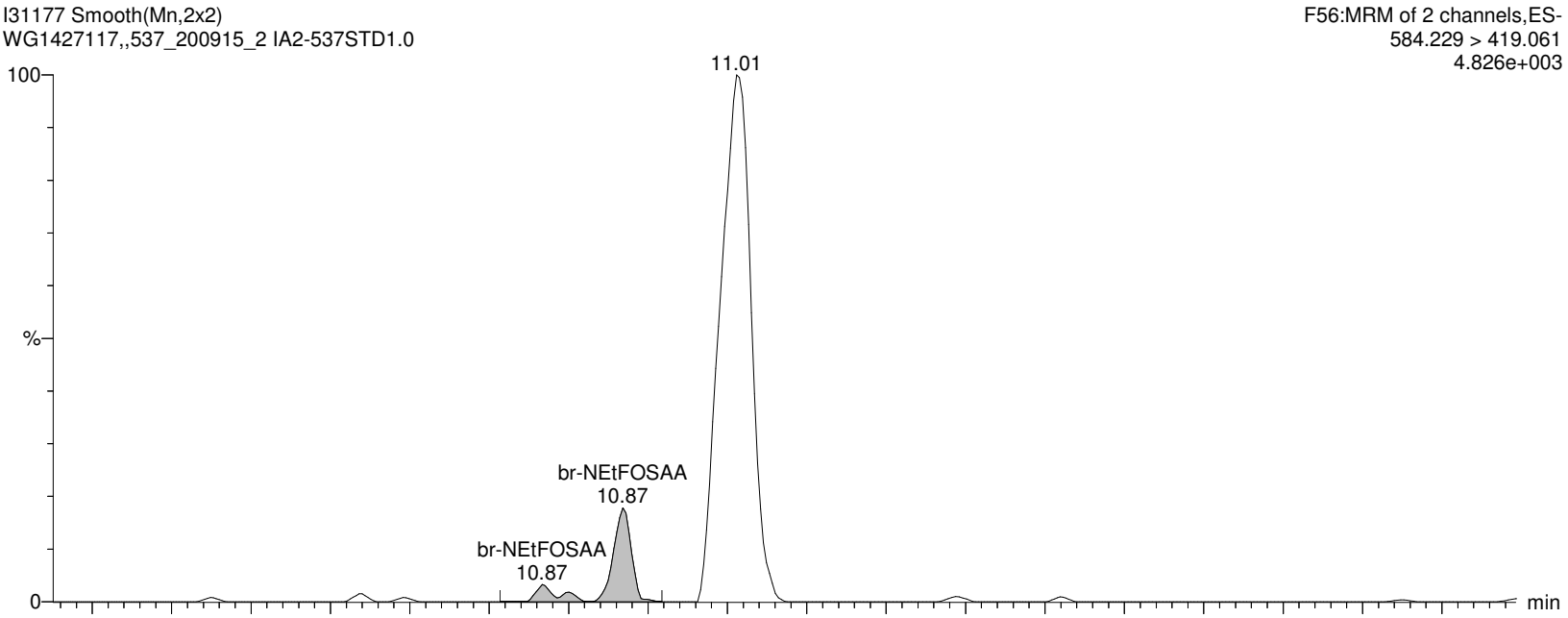

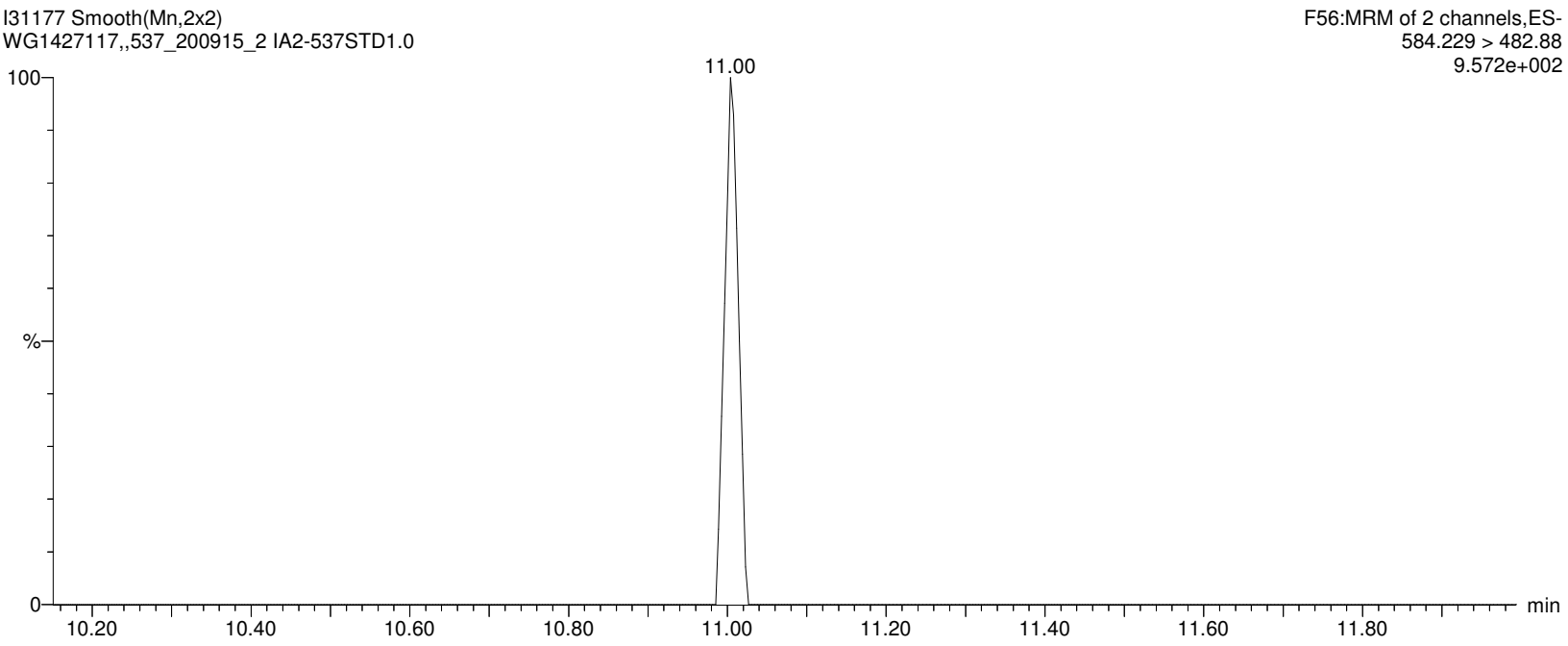

all concentration units in (ng/mL)

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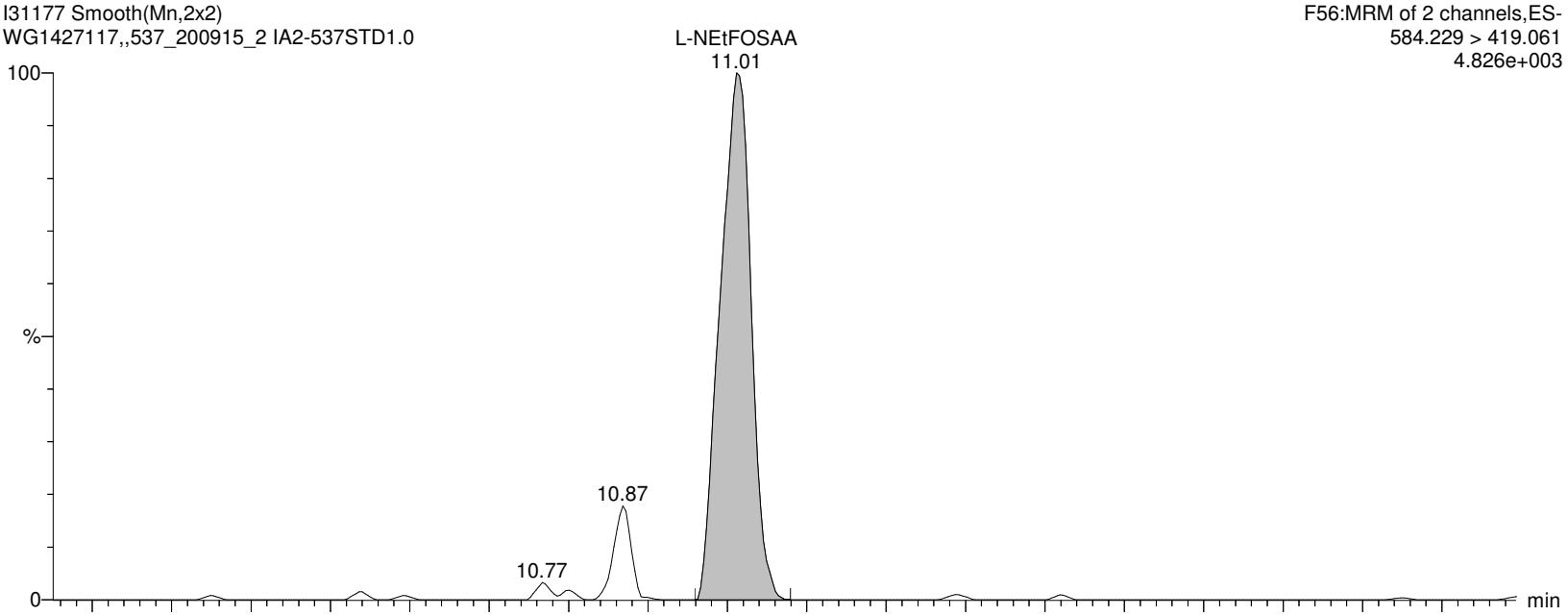

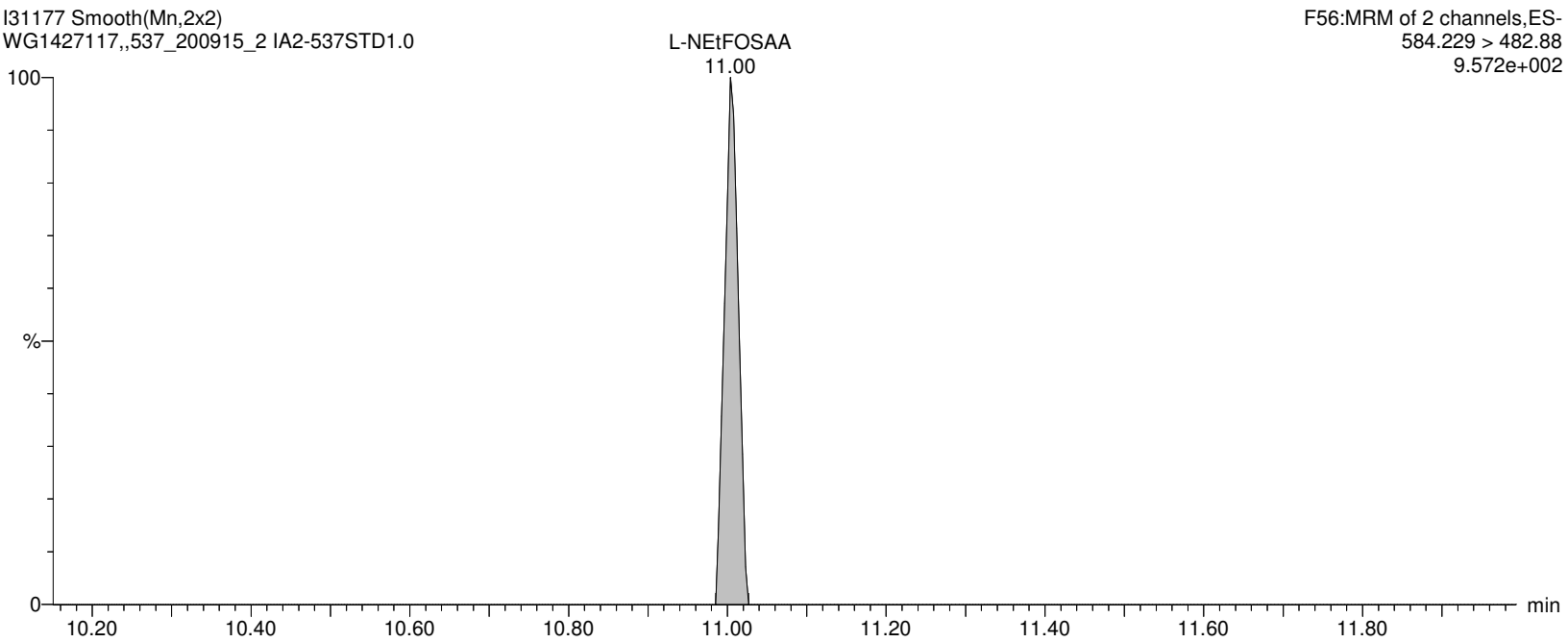

all concentration units in (ng/mL)

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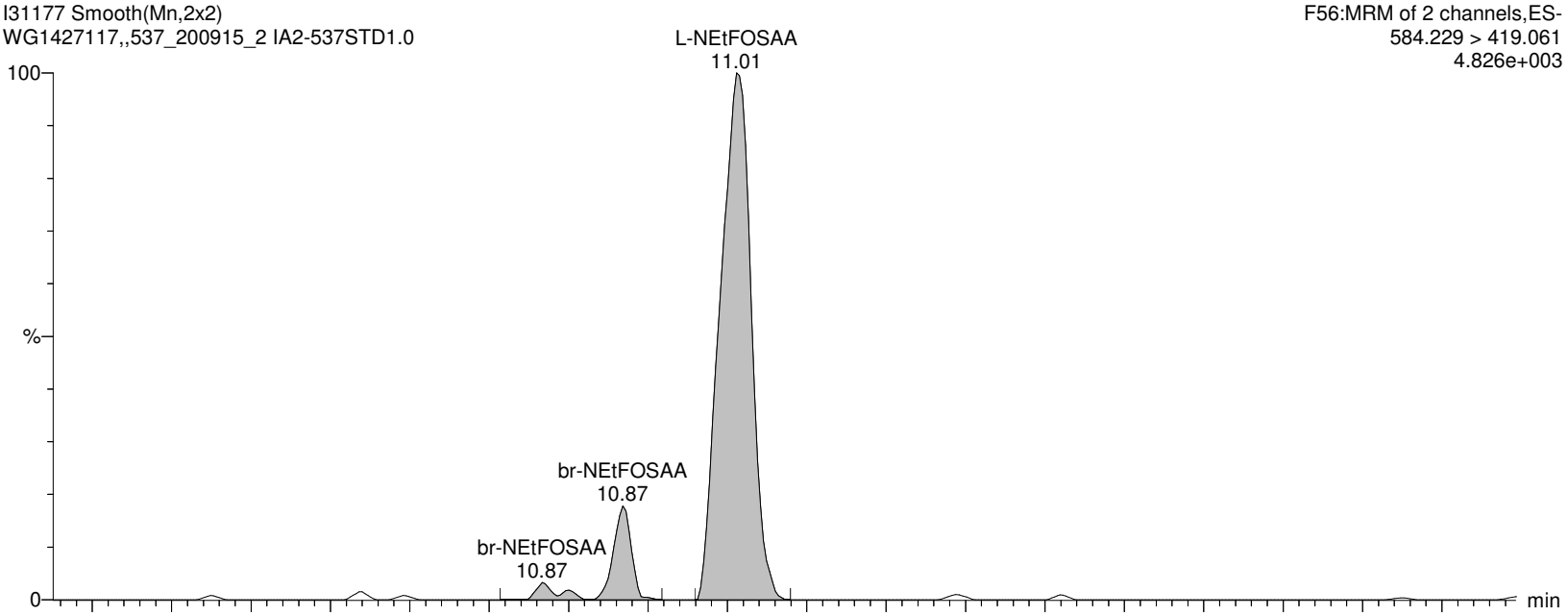

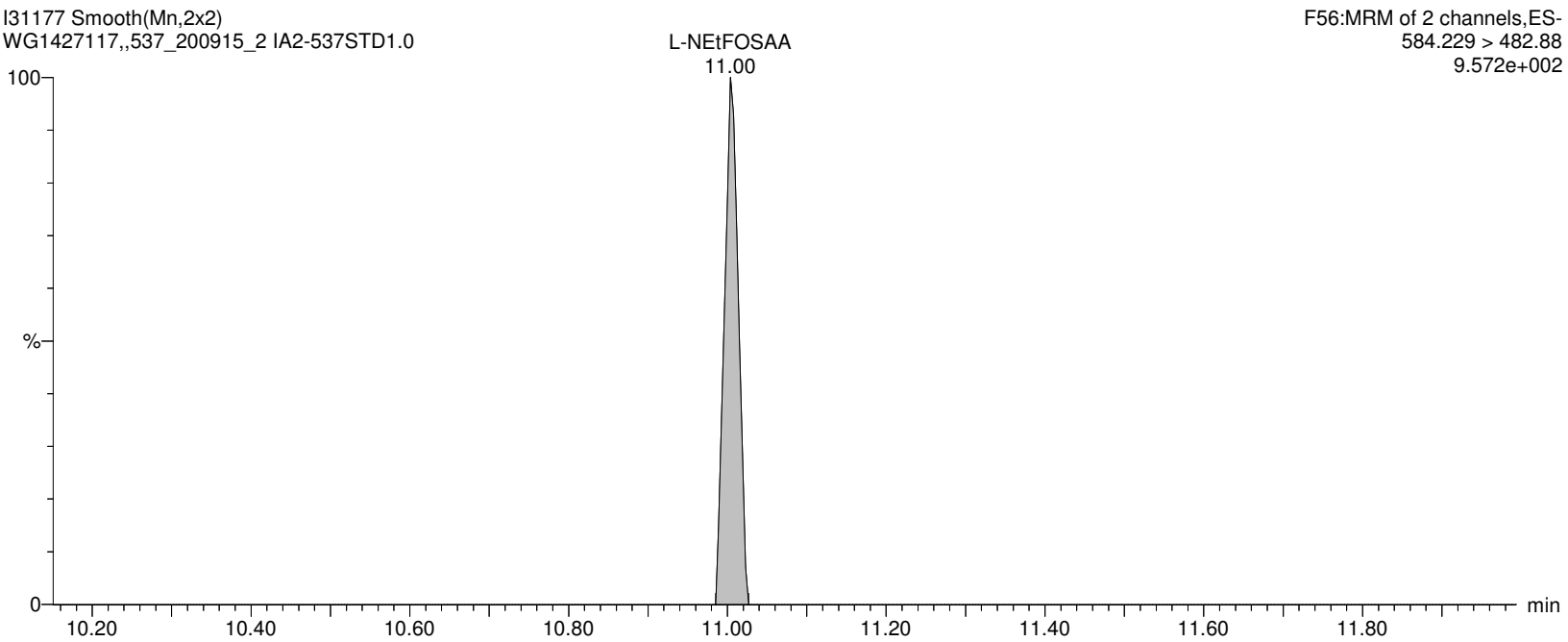

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Printed: Wednesday, October 28, 2020 10:15:45 Eastern Daylight Time

Name: I31177
ID: IA2-537STD1.0
Date: 27-Oct-2020
Time: 17:57:04
Description: WG1427117,,537_200915_2
User: LCMS02:JW
Vial: 1:A,3
Instrument: XEVO-TQSmicro#QEB0050
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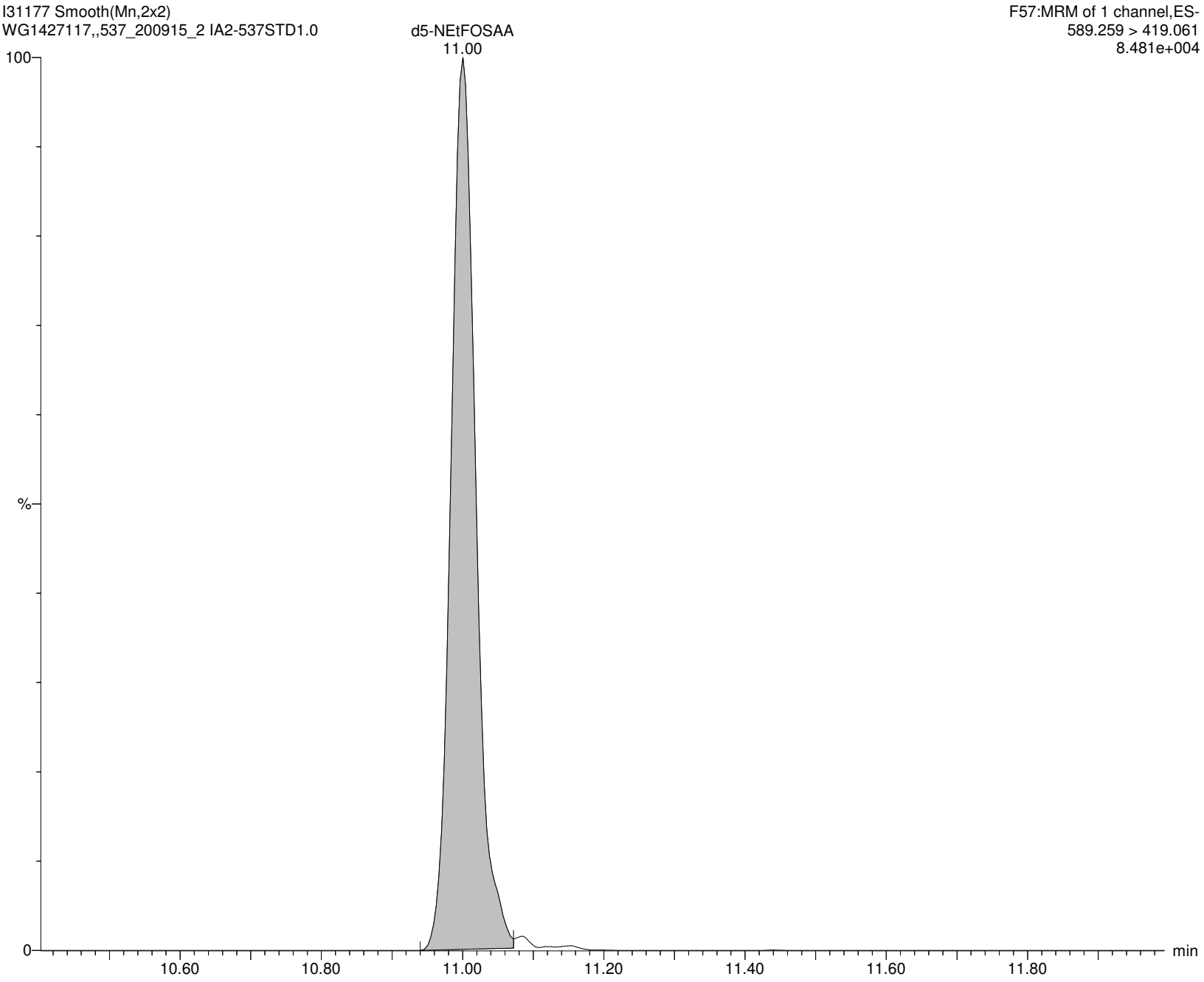

all concentration units in (ng/mL)

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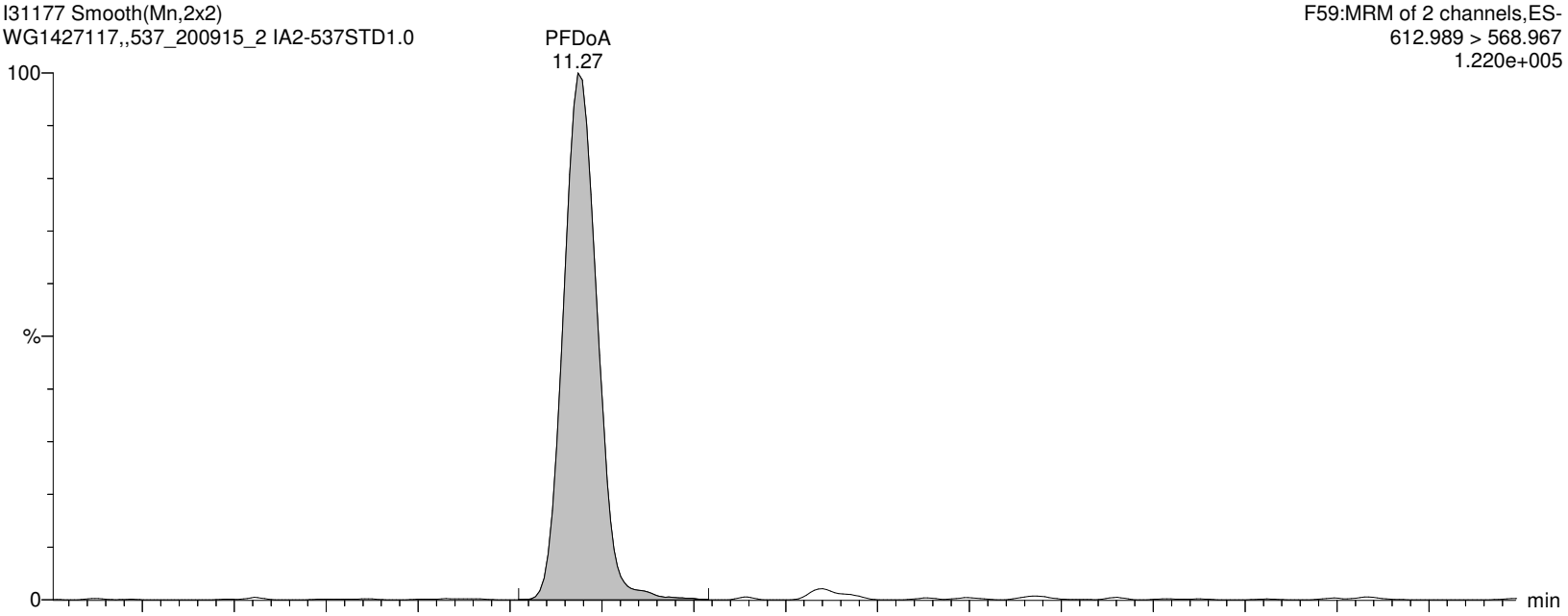

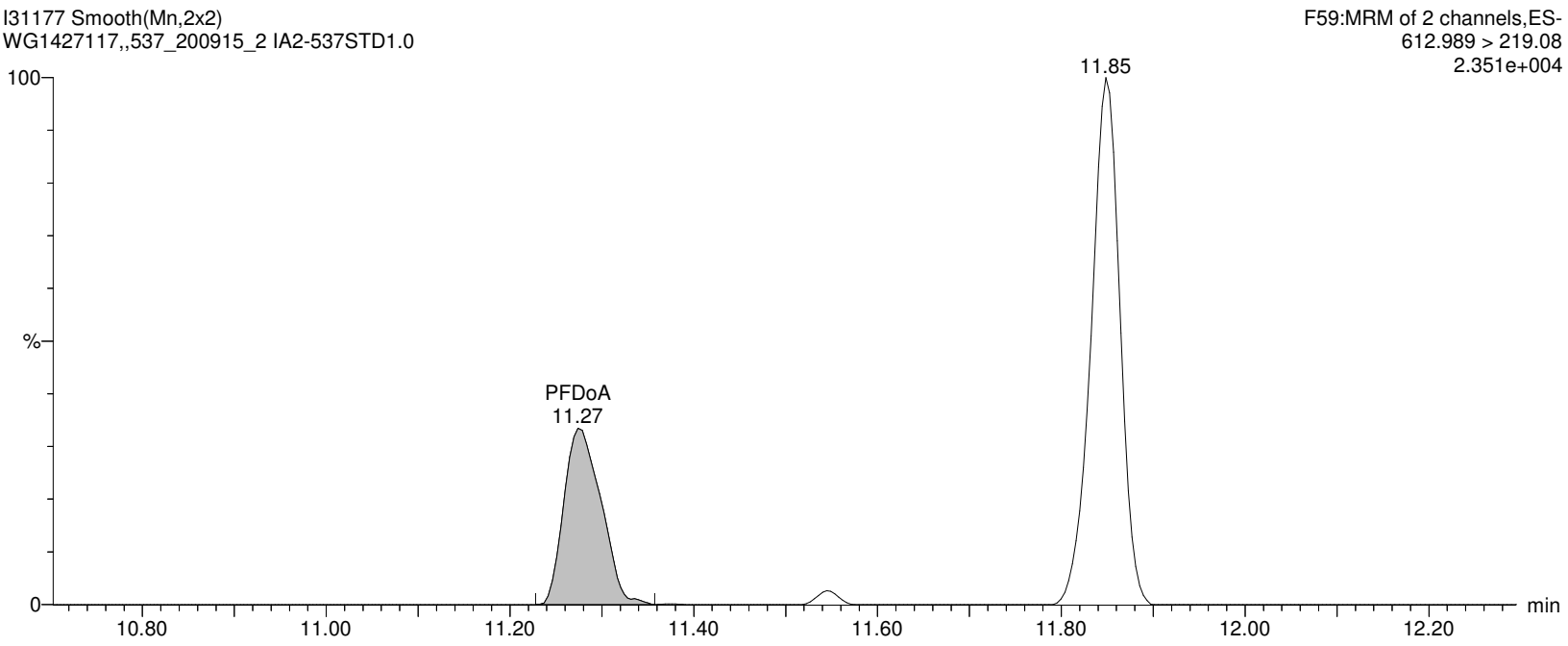

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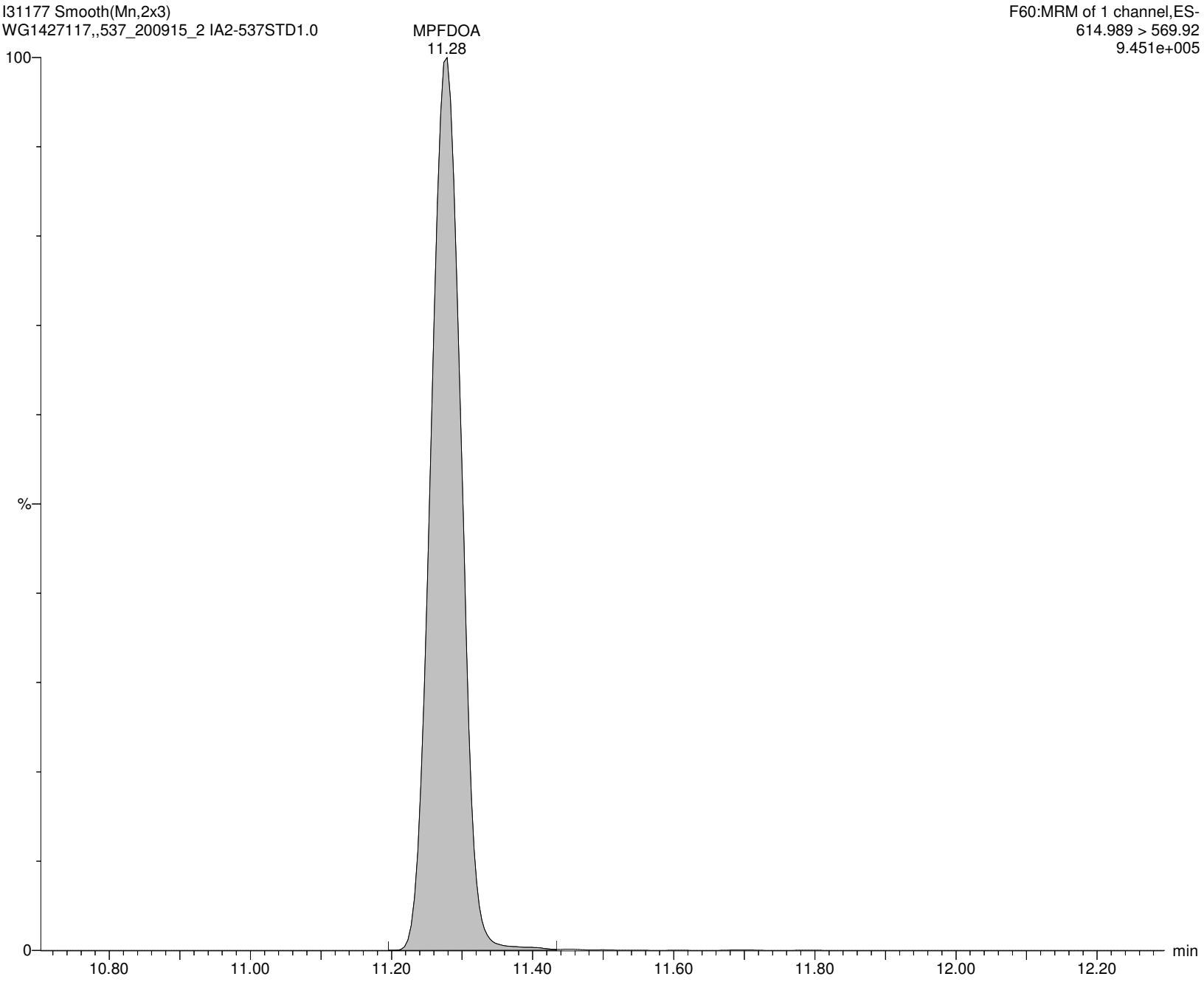

all concentration units in (ng/mL)

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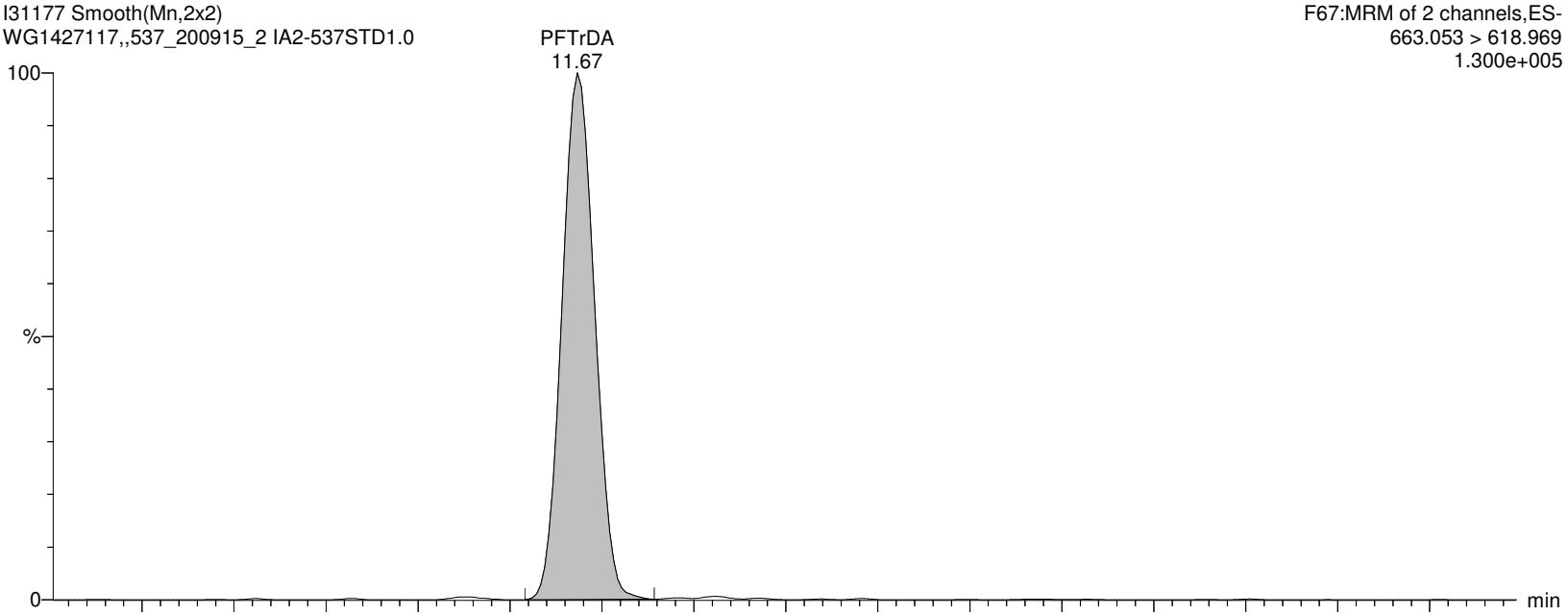

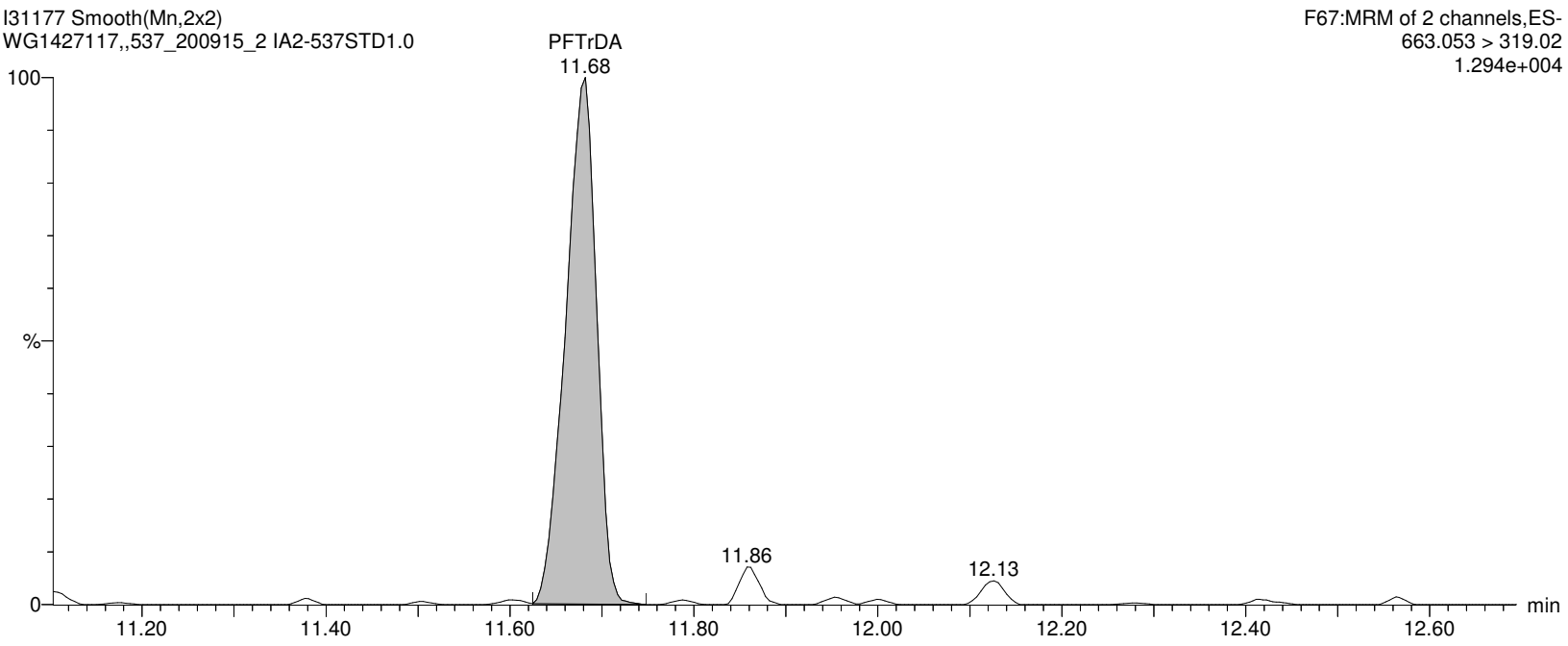

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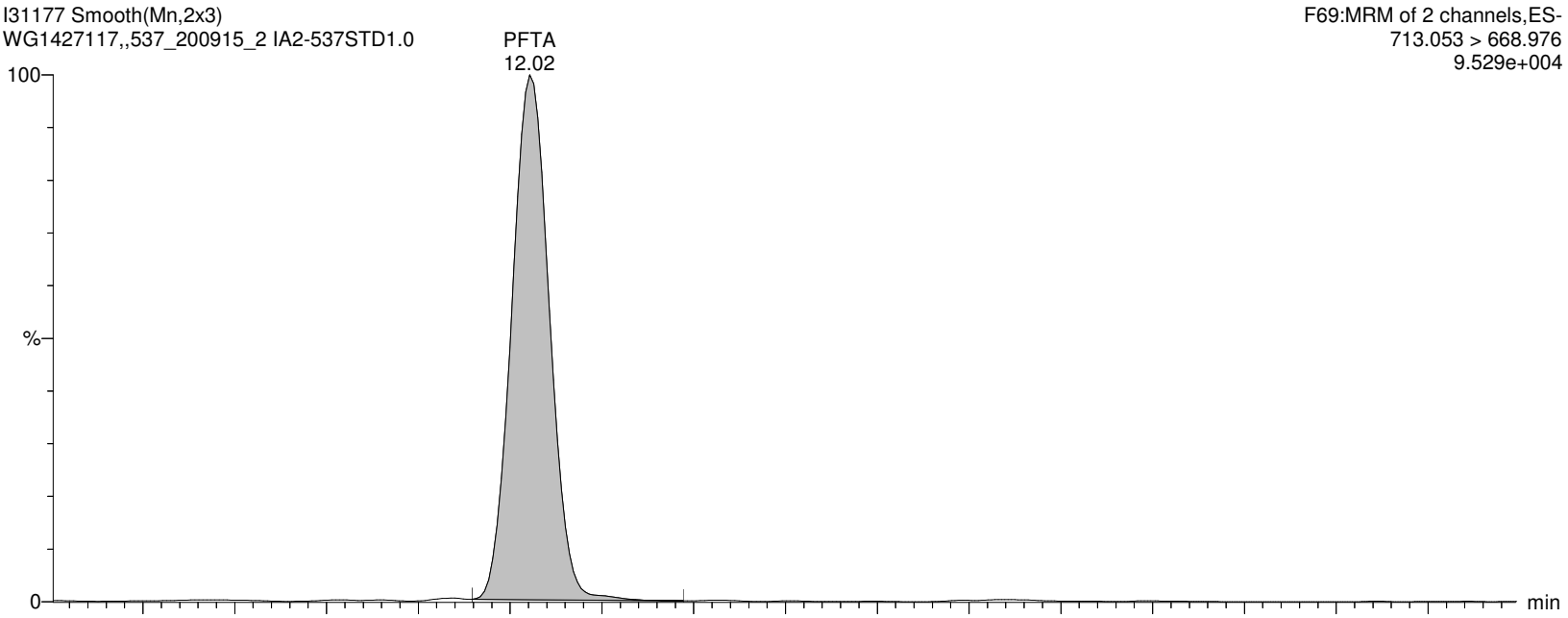

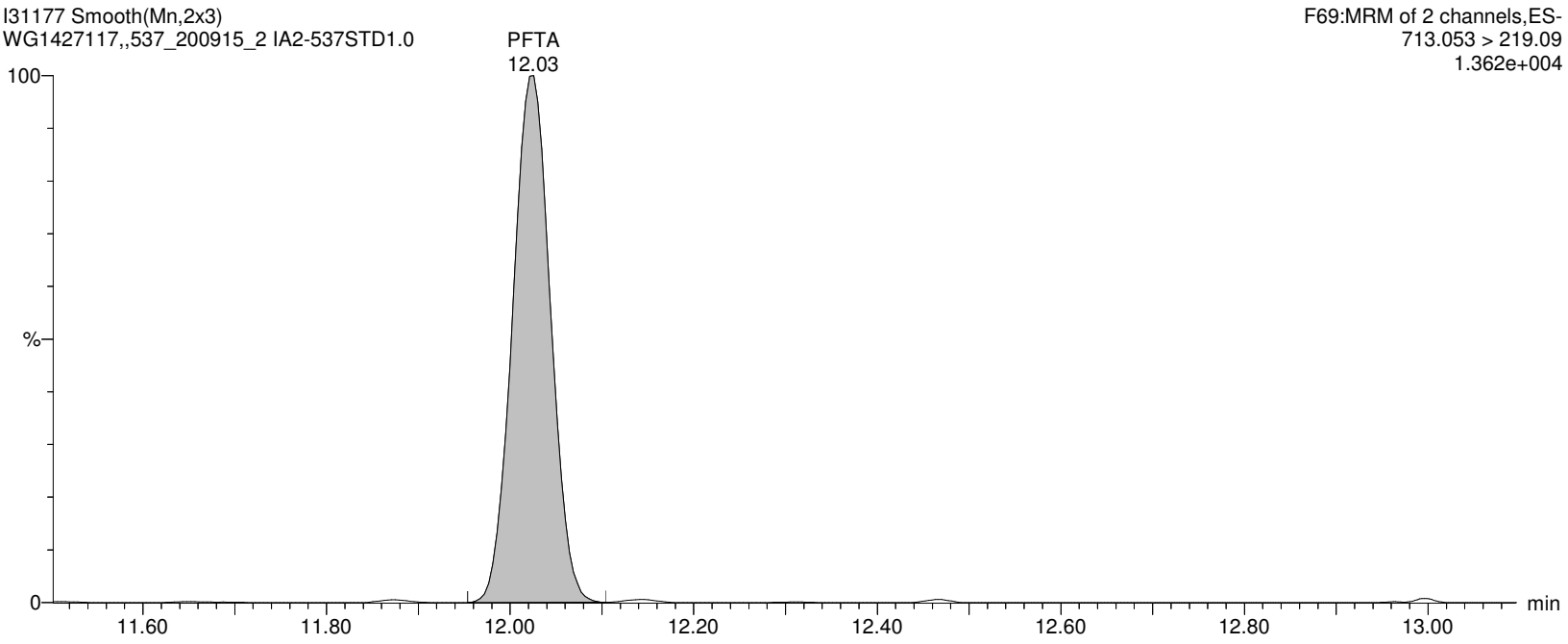

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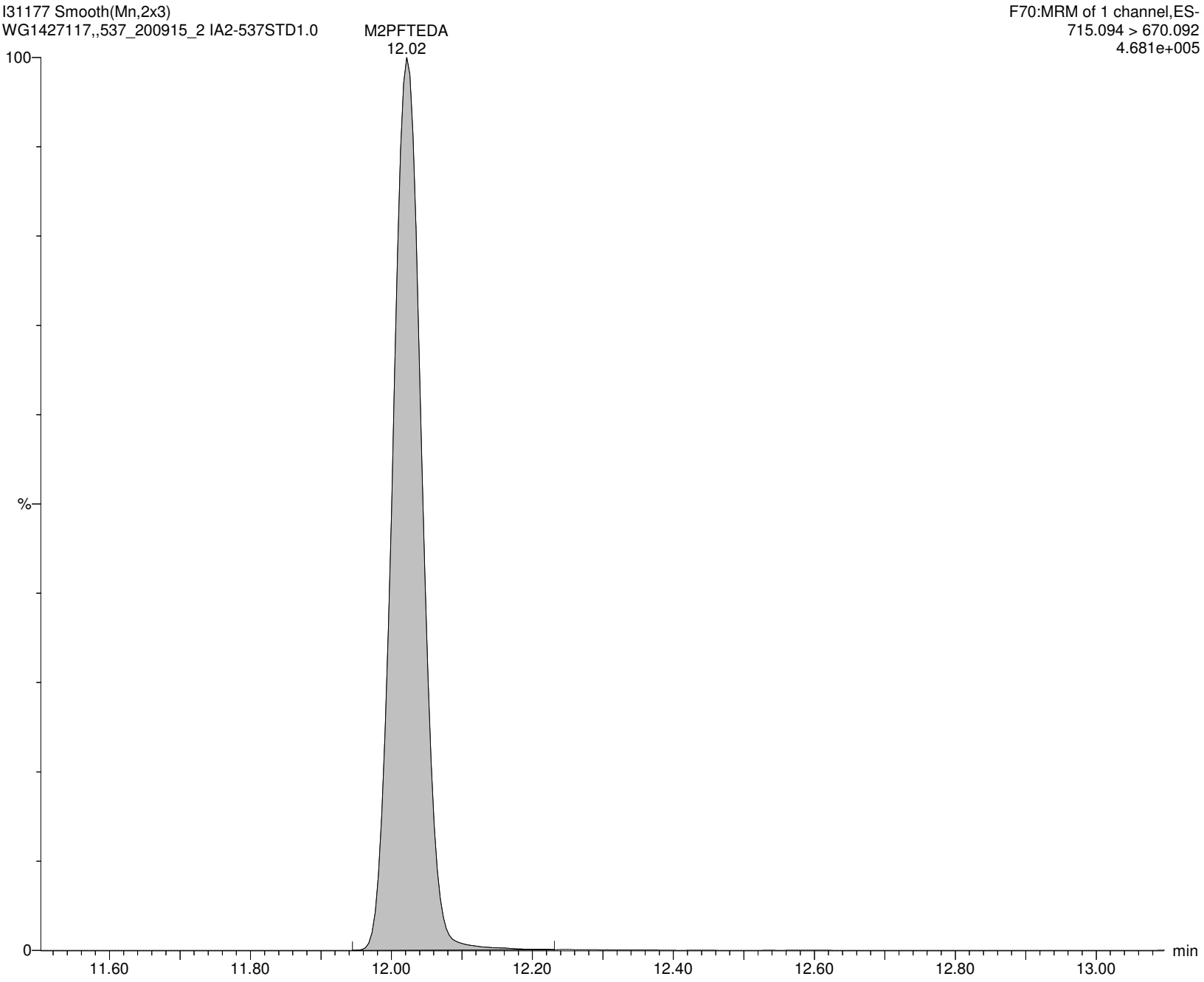

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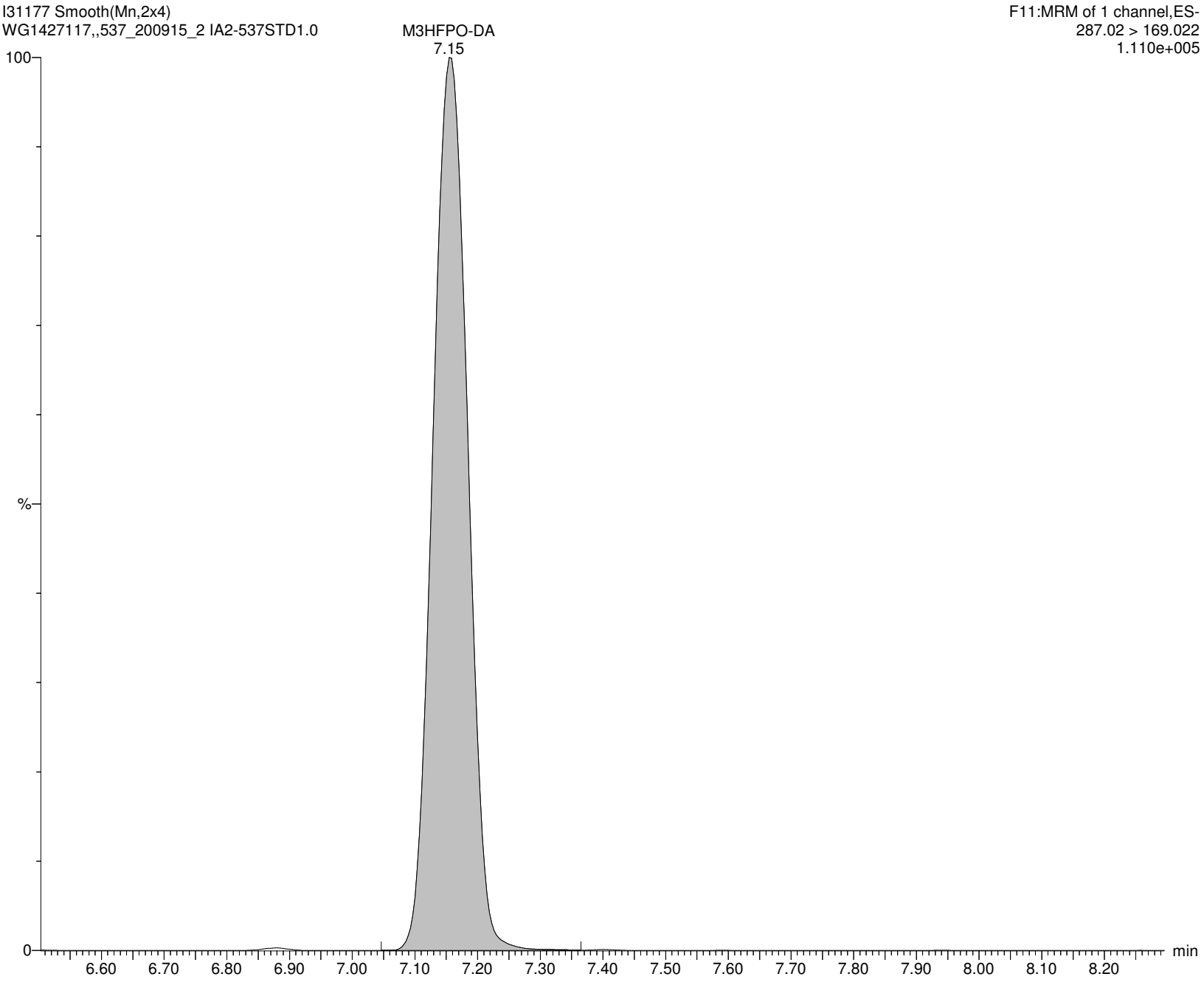

all concentration units in (ng/mL)

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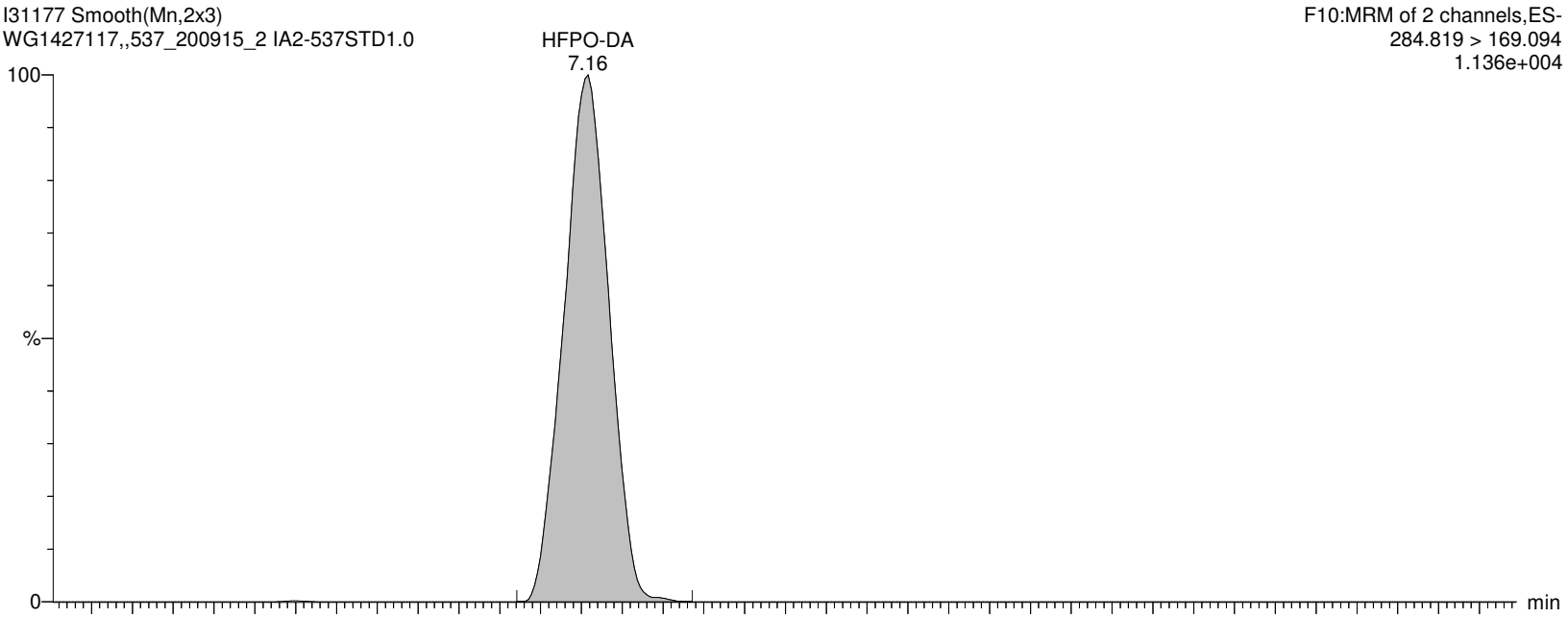

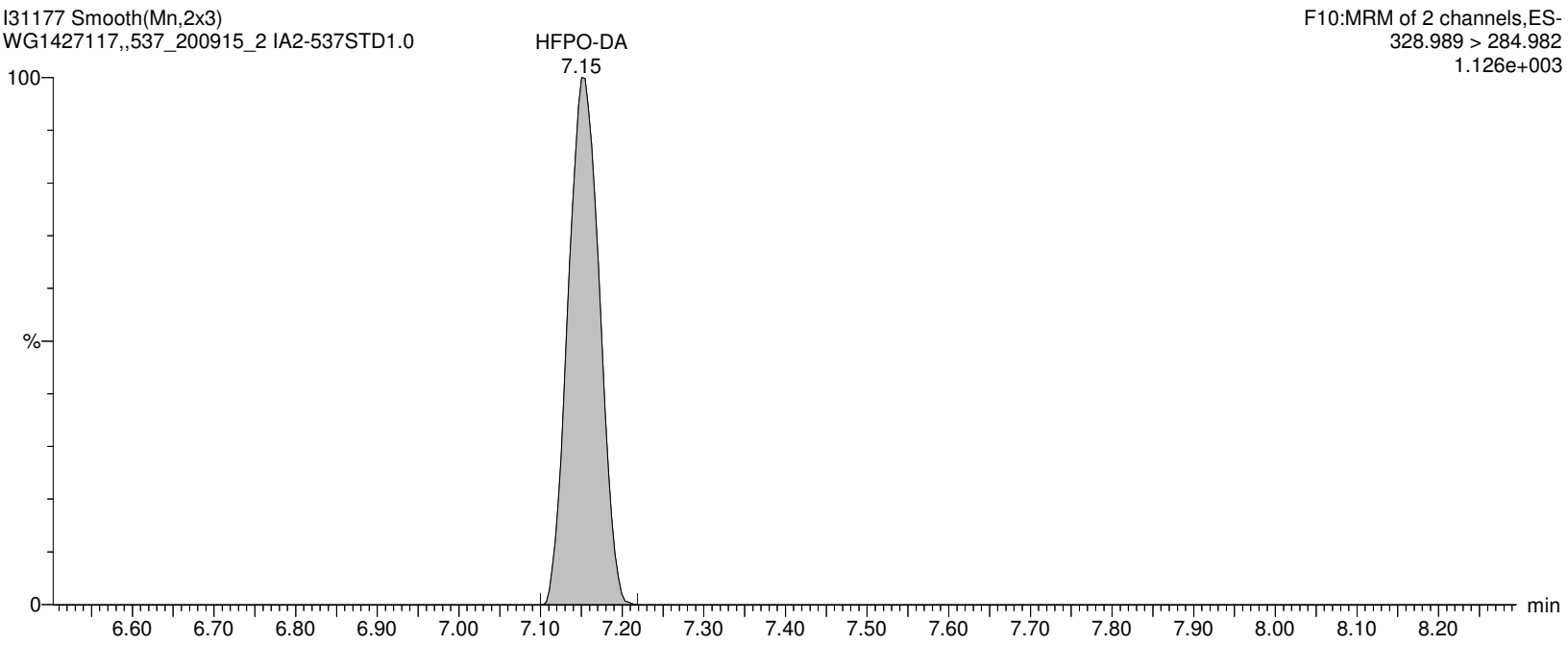

all concentration units in (ng/mL)

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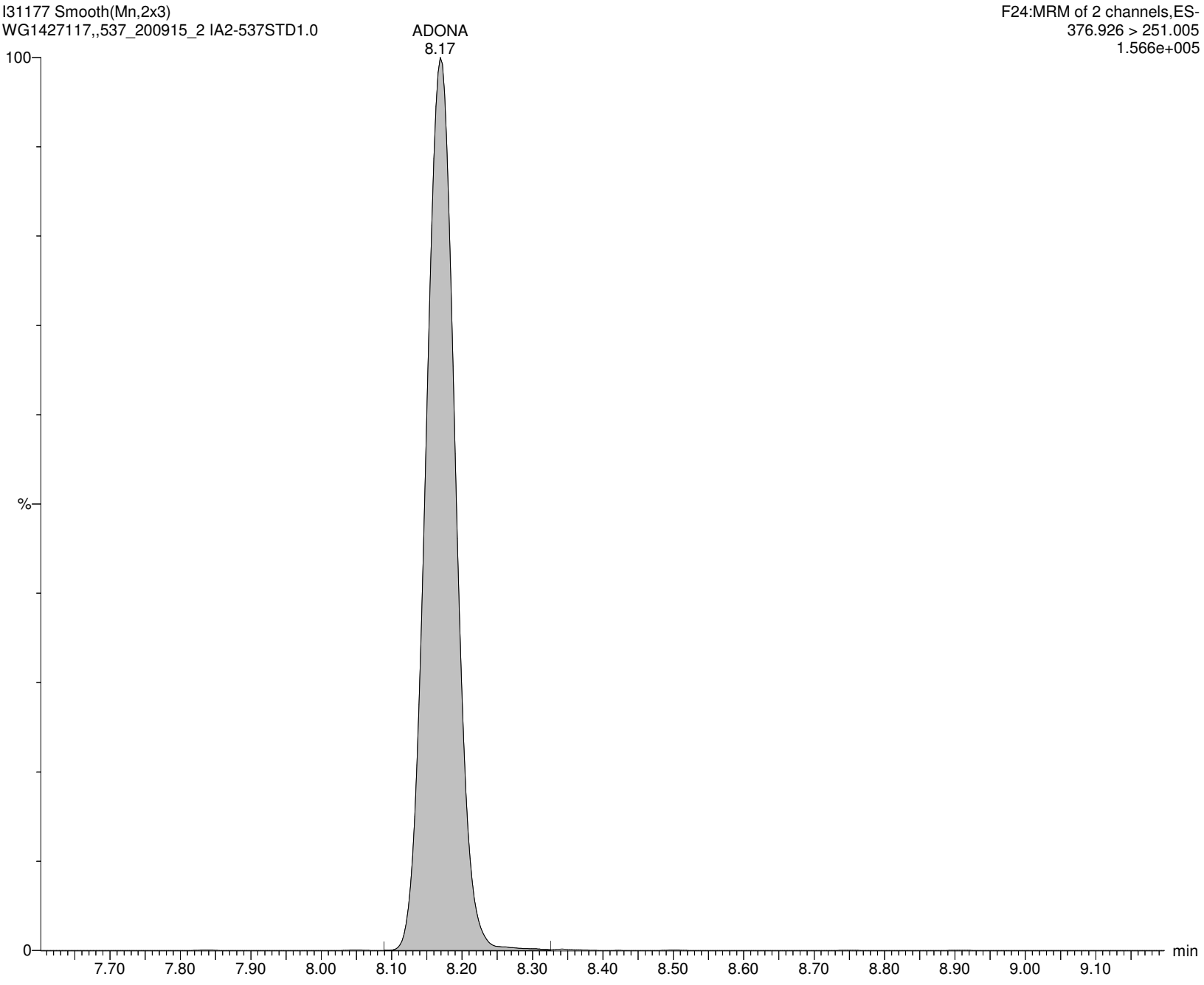

all concentration units in (ng/mL)

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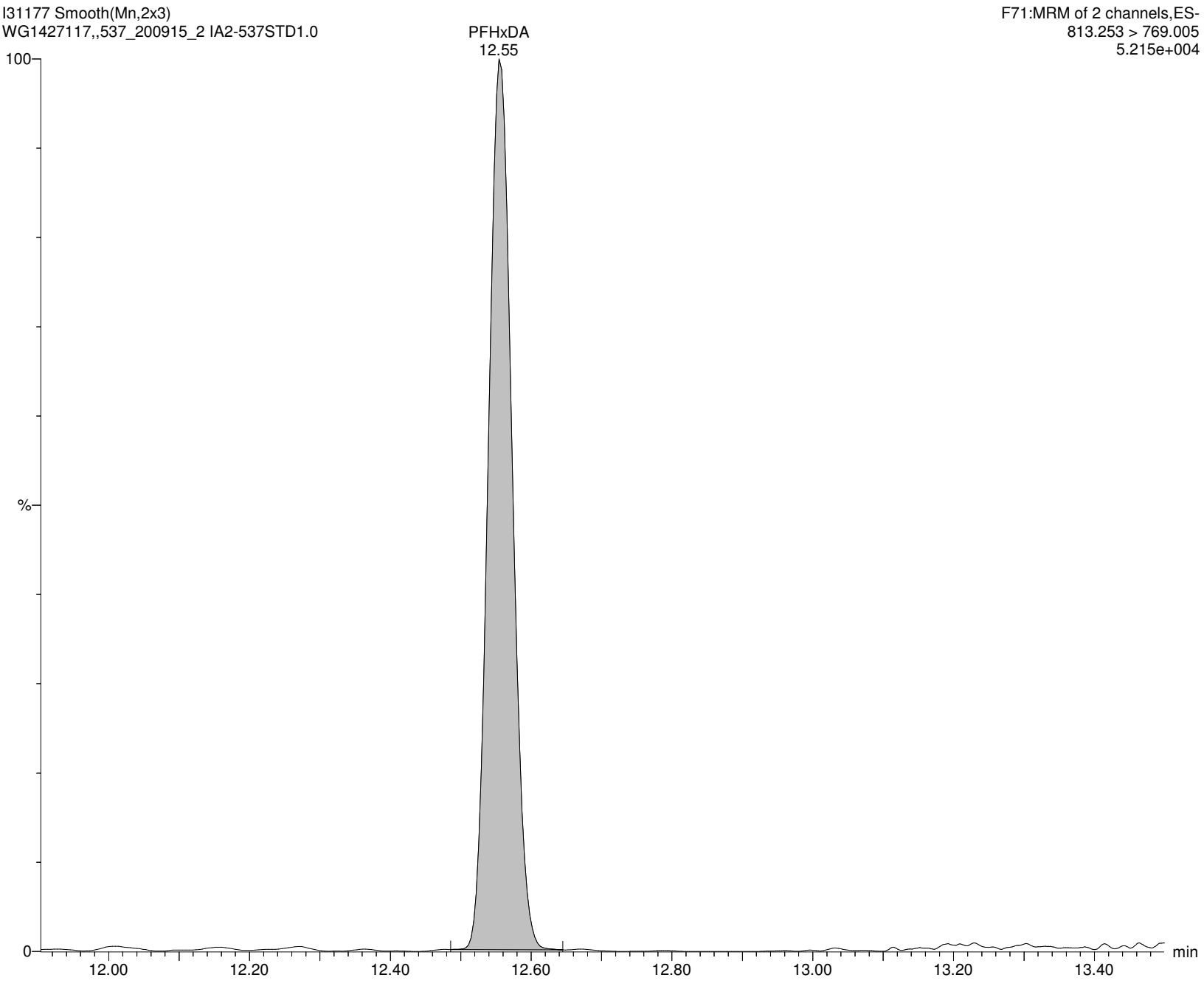

all concentration units in (ng/mL)

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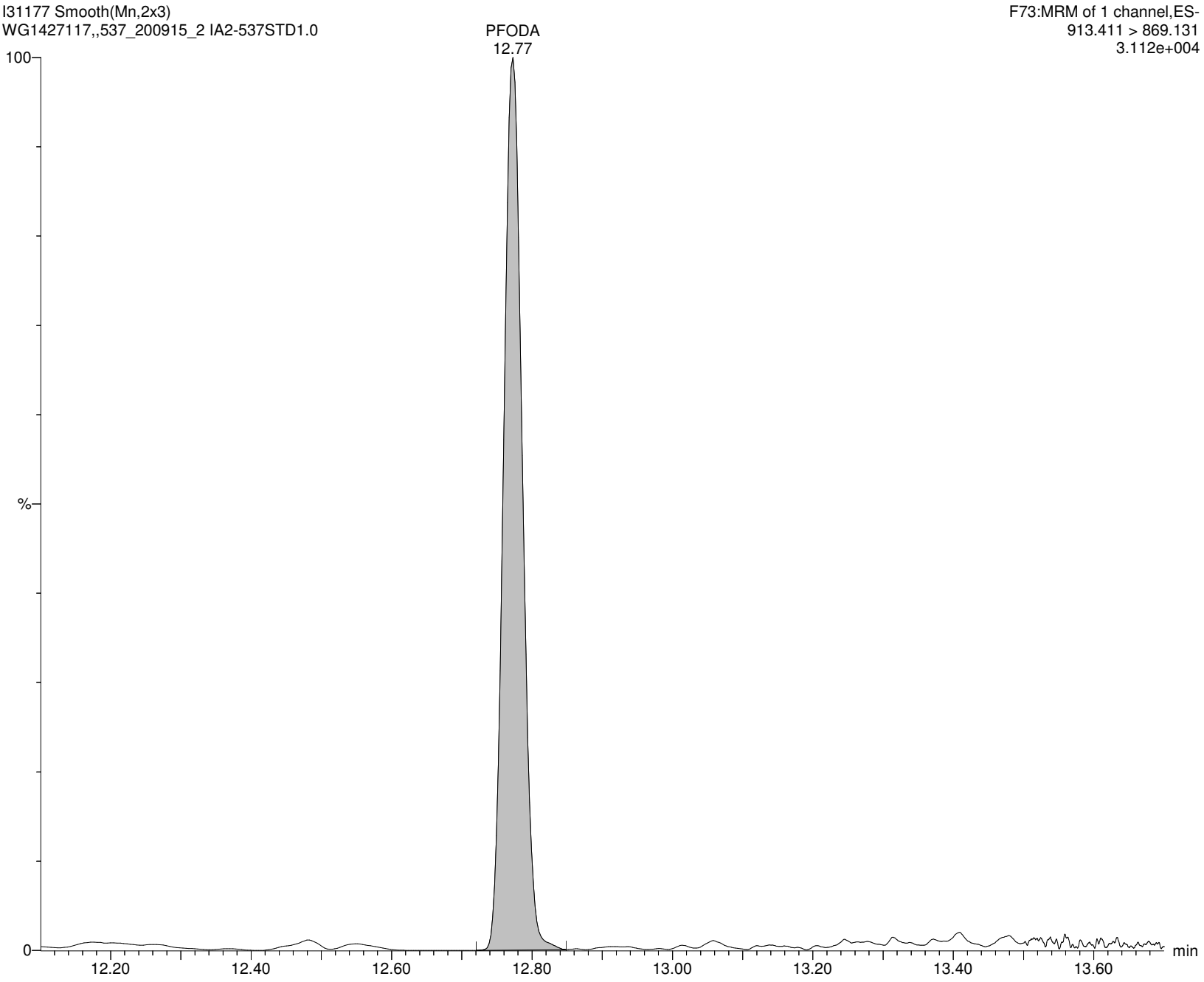

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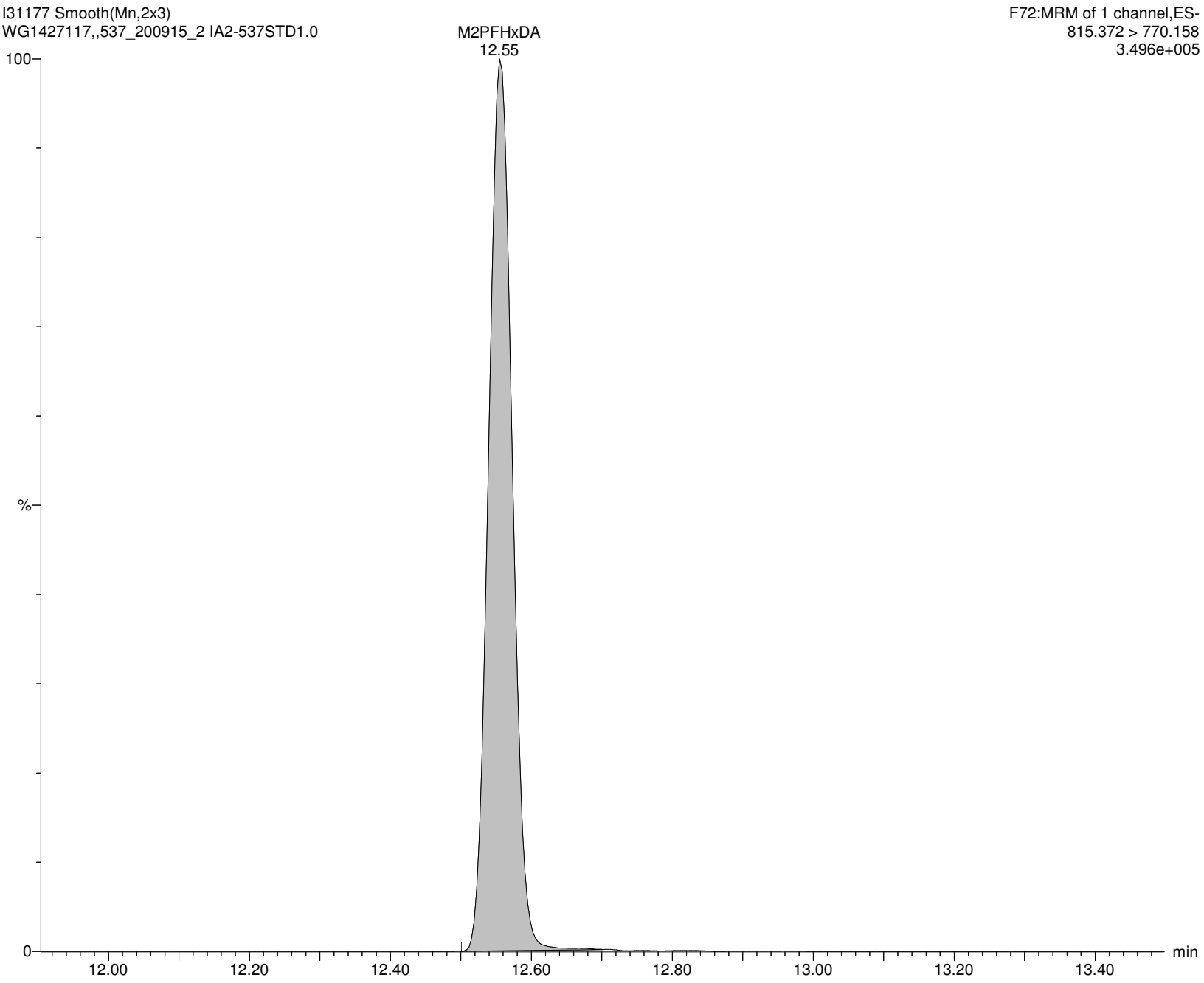

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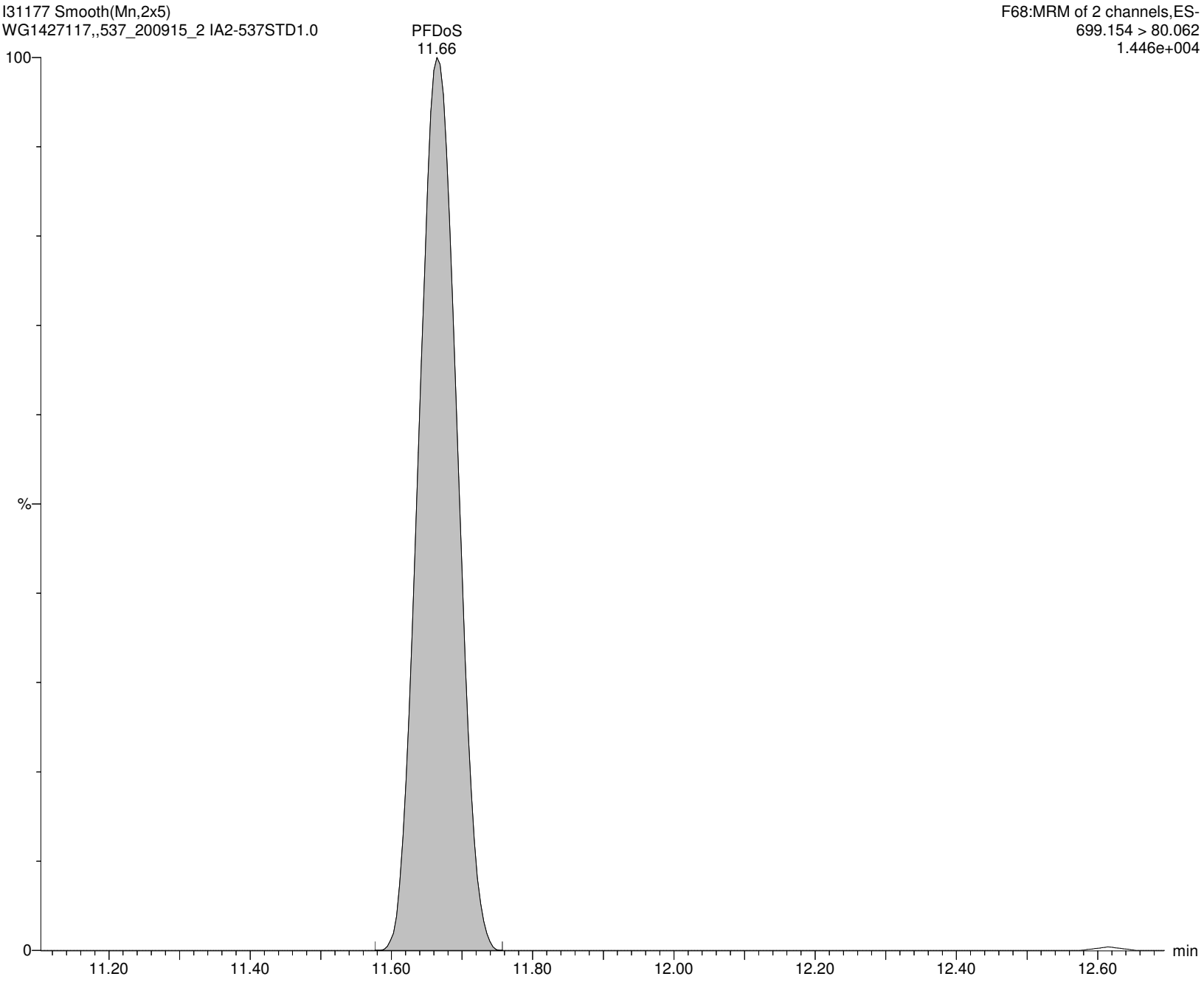

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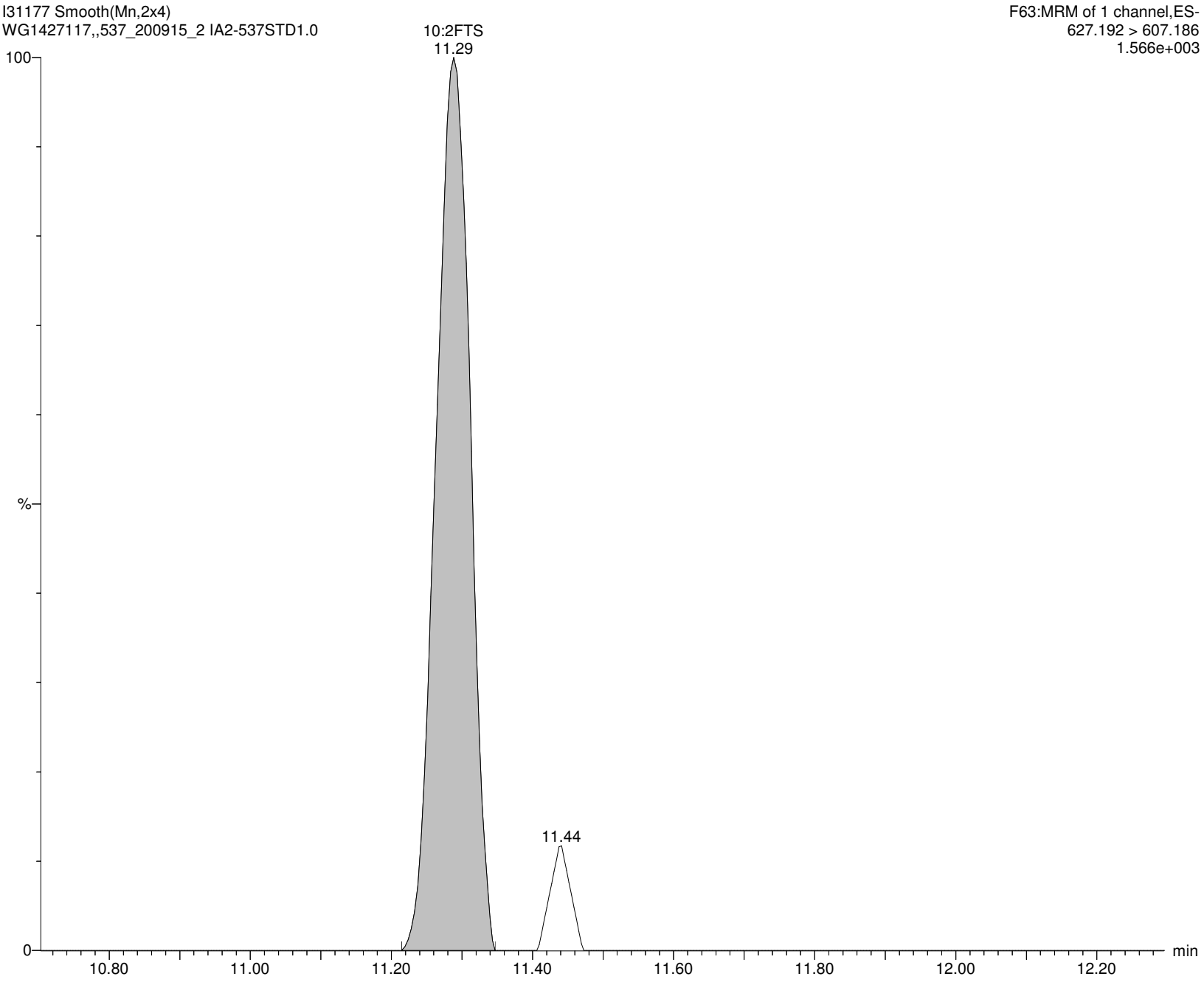

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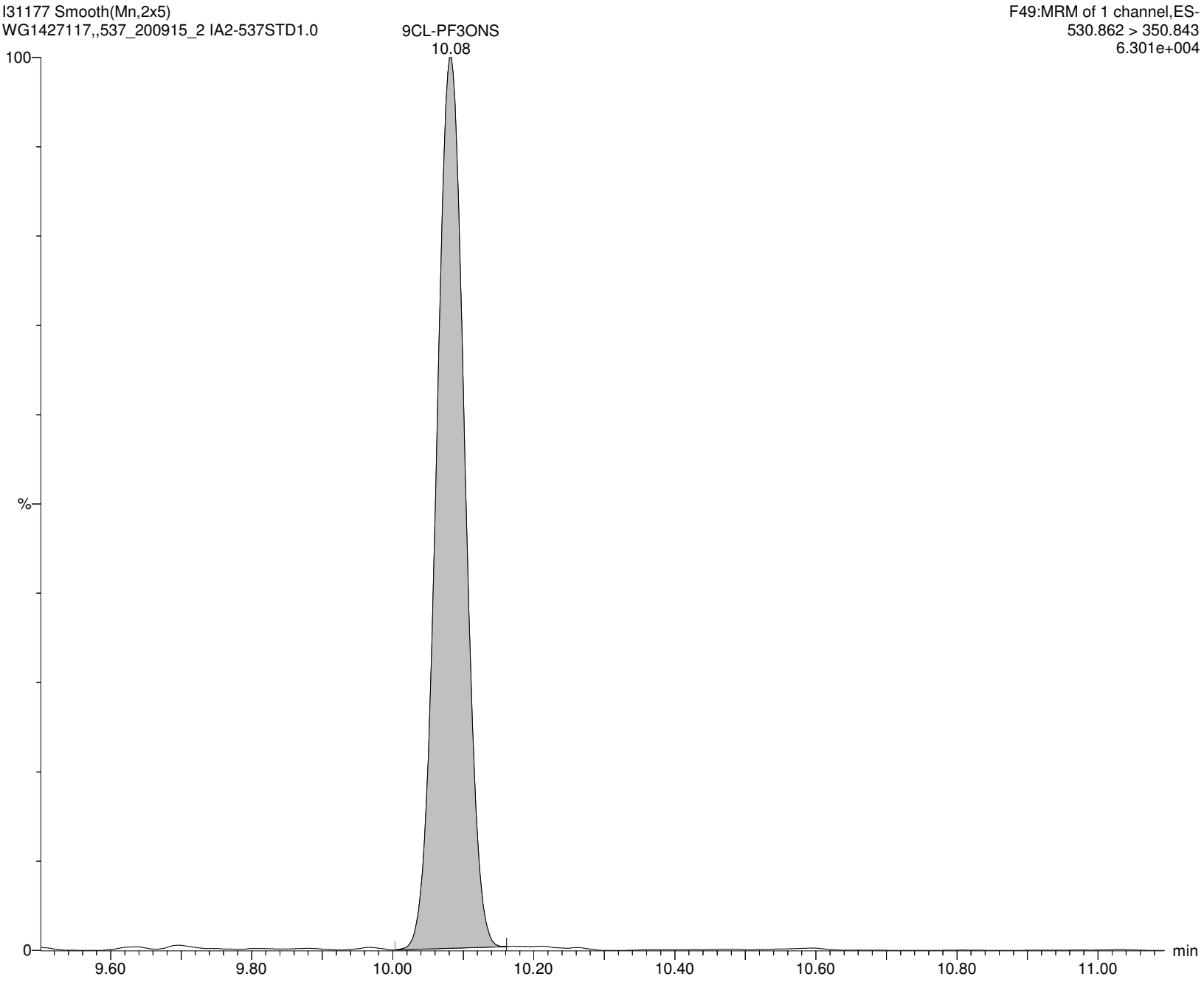
9CL-PF3ONS



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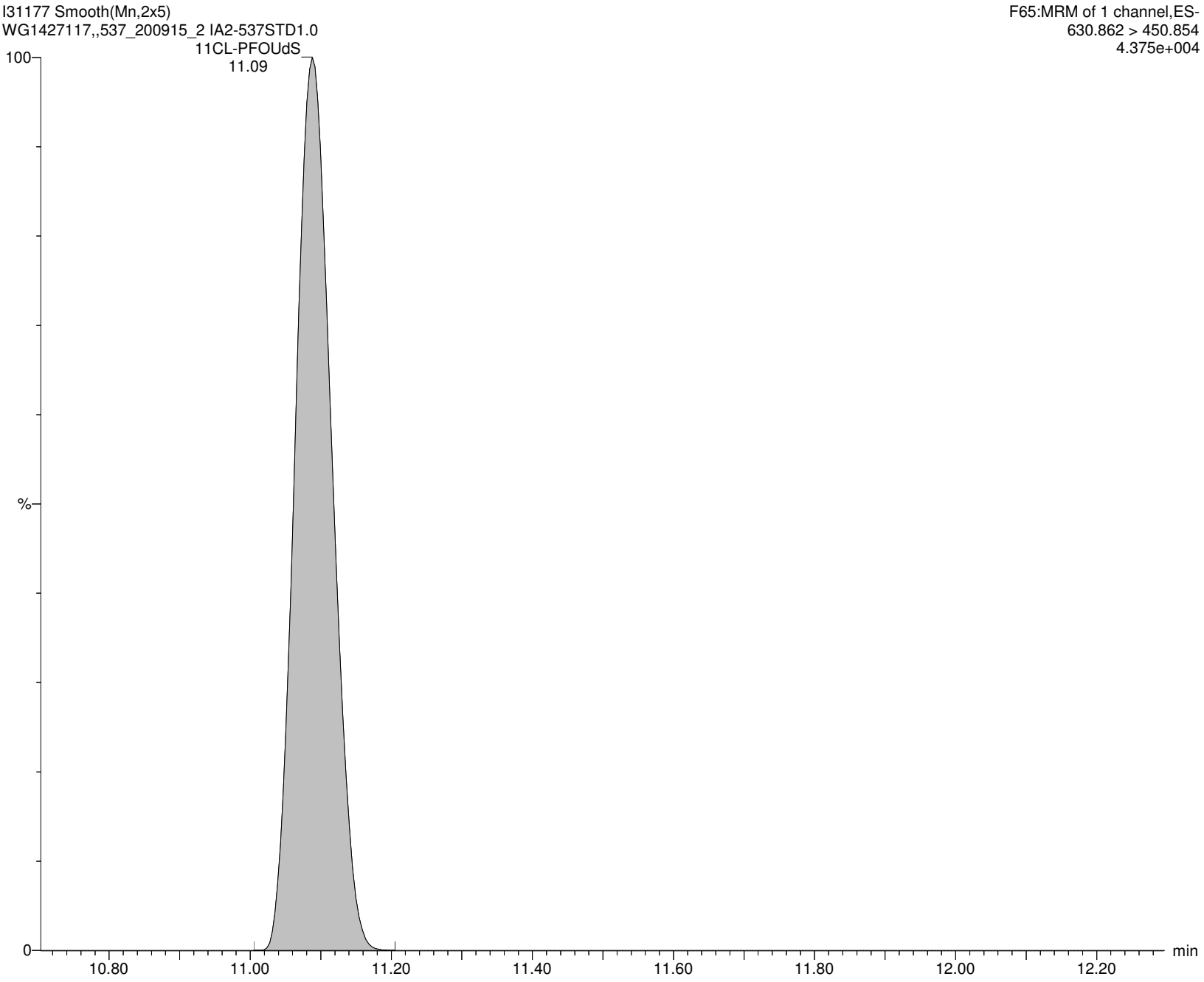
11CL-PFOUdS



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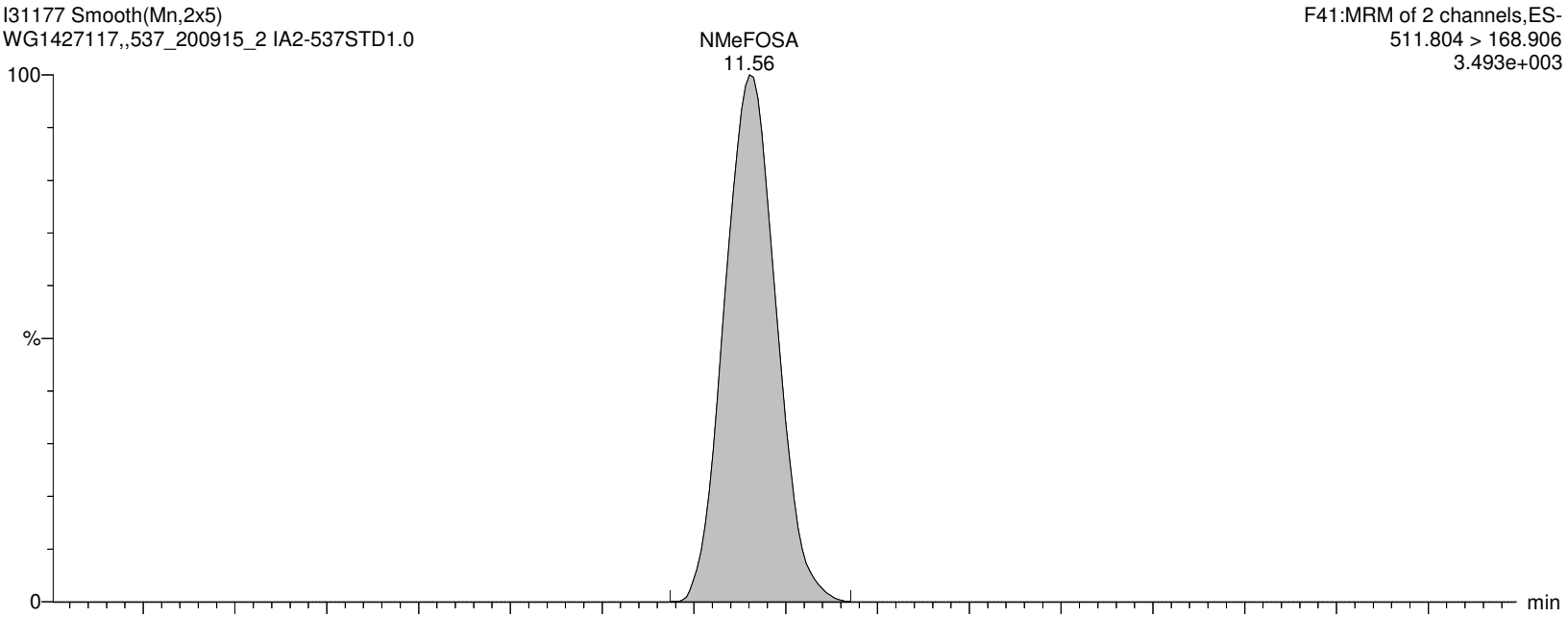
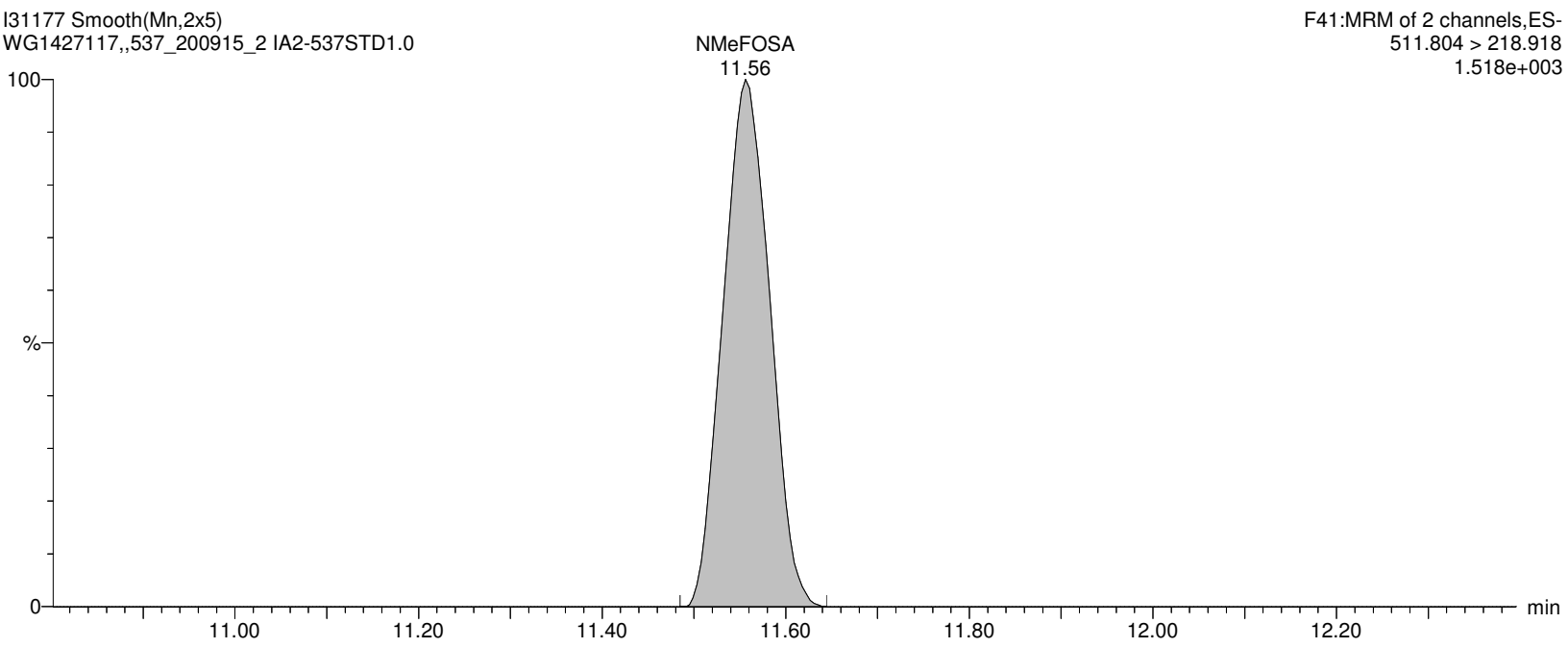
NMeFOSA





all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:15:45 Eastern Daylight Time

Name: I31177
ID: IA2-537STD1.0
Date: 27-Oct-2020
Time: 17:57:04
Description: WG1427117,,537_200915_2
User: LCMS02:JW
Vial: 1:A,3
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\200520_TUNE.IPR
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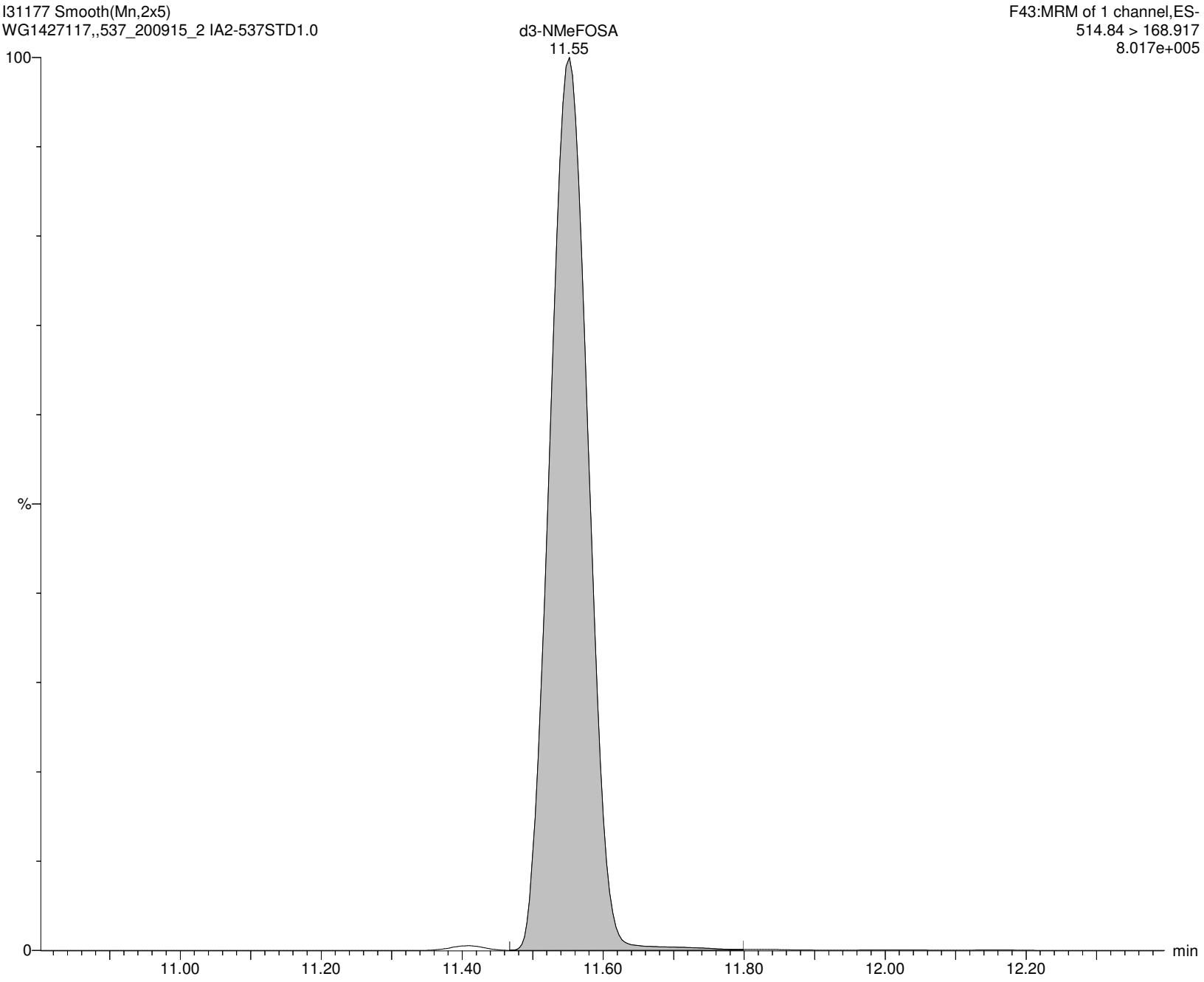

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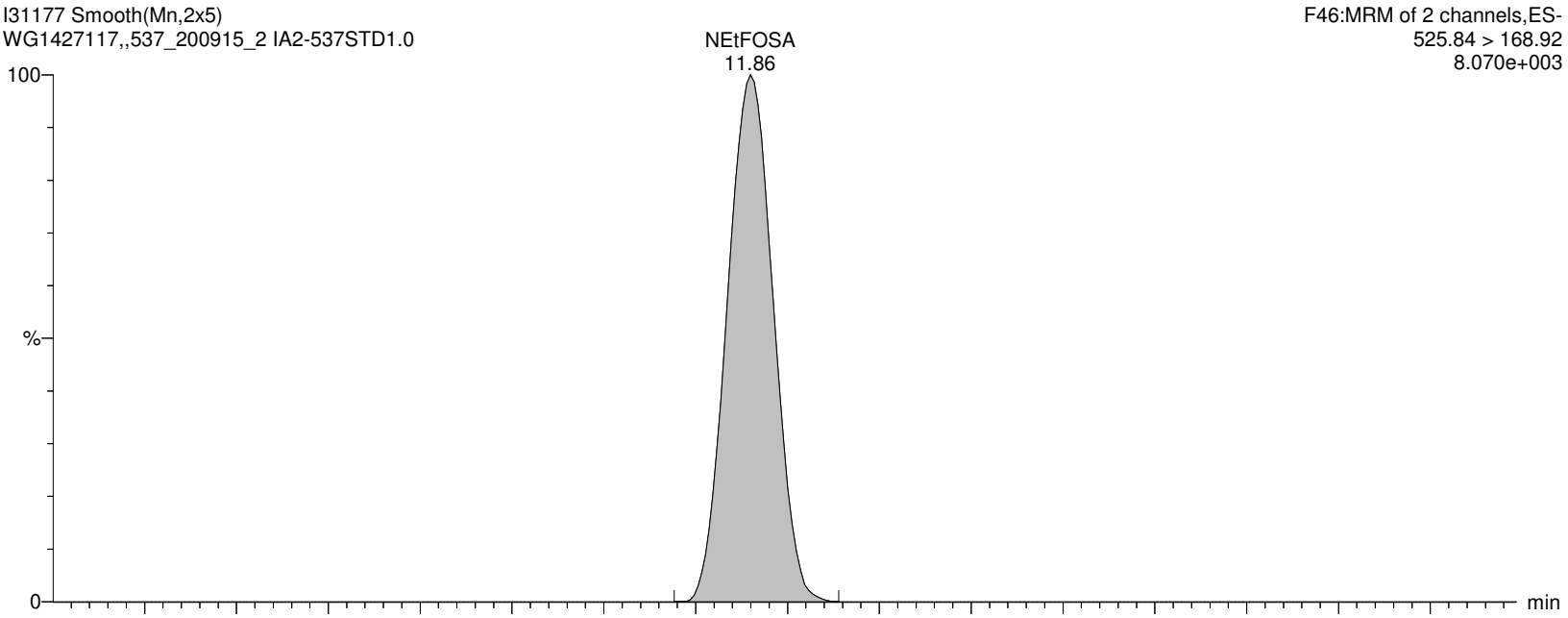
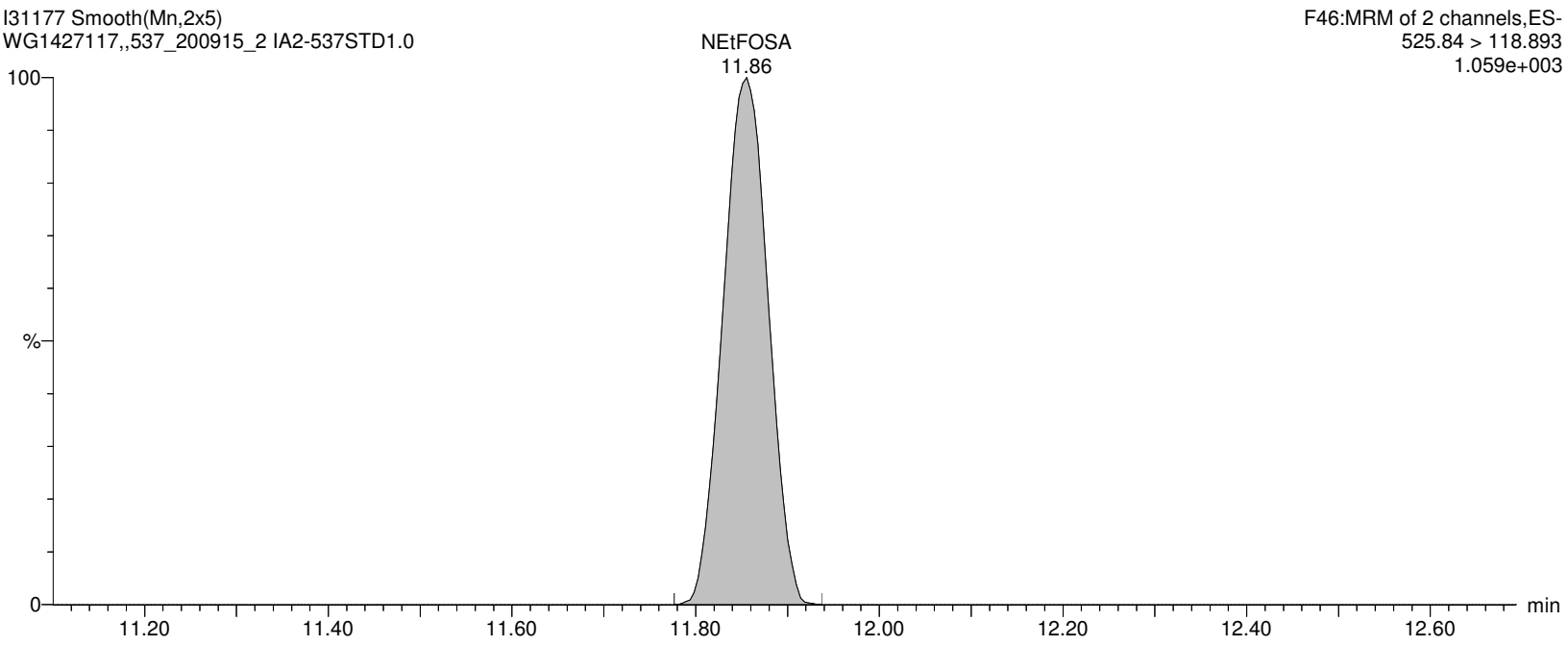
NEtFOSA





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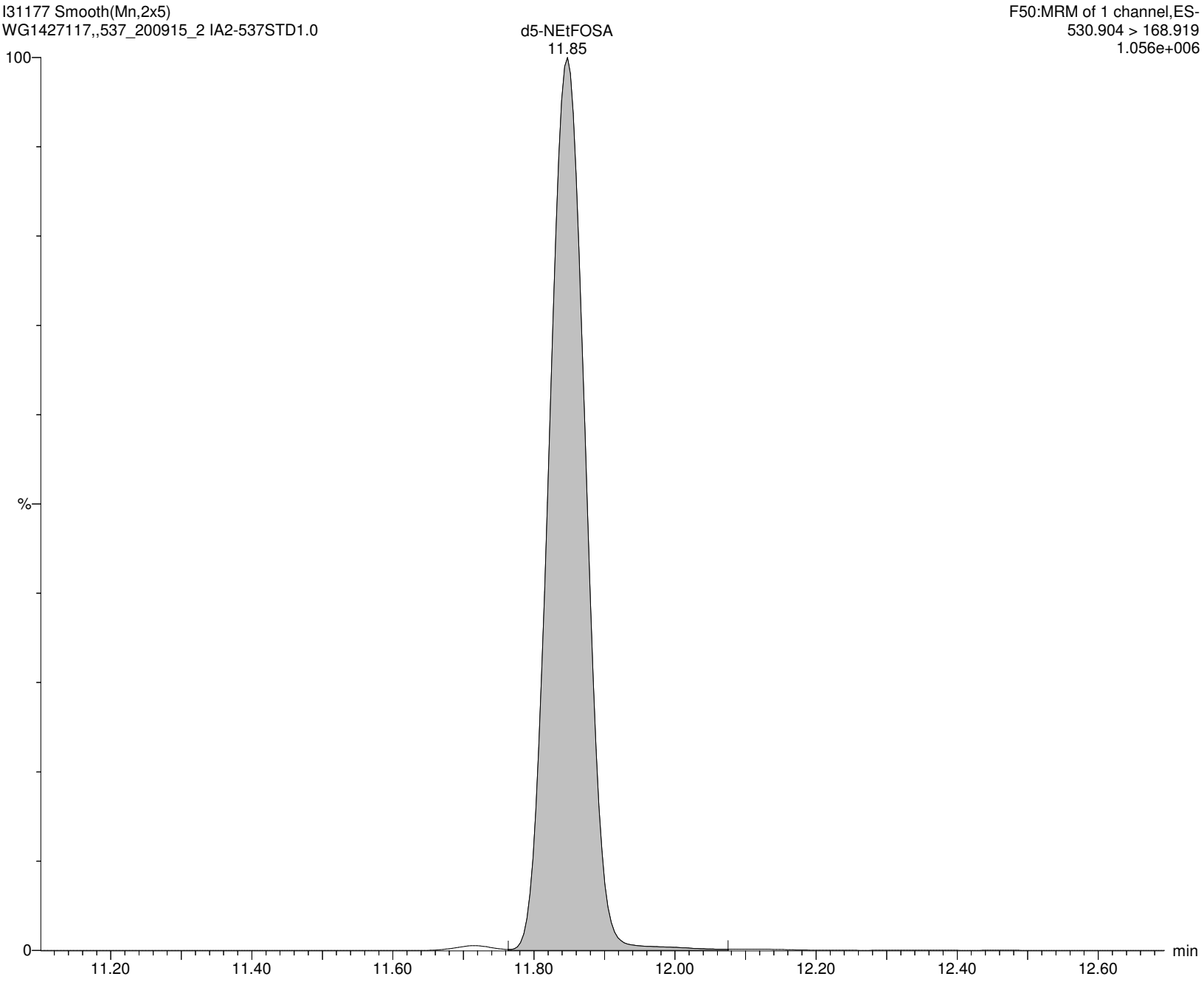
d5-NEtFOSA



all concentration units in (ng/mL)

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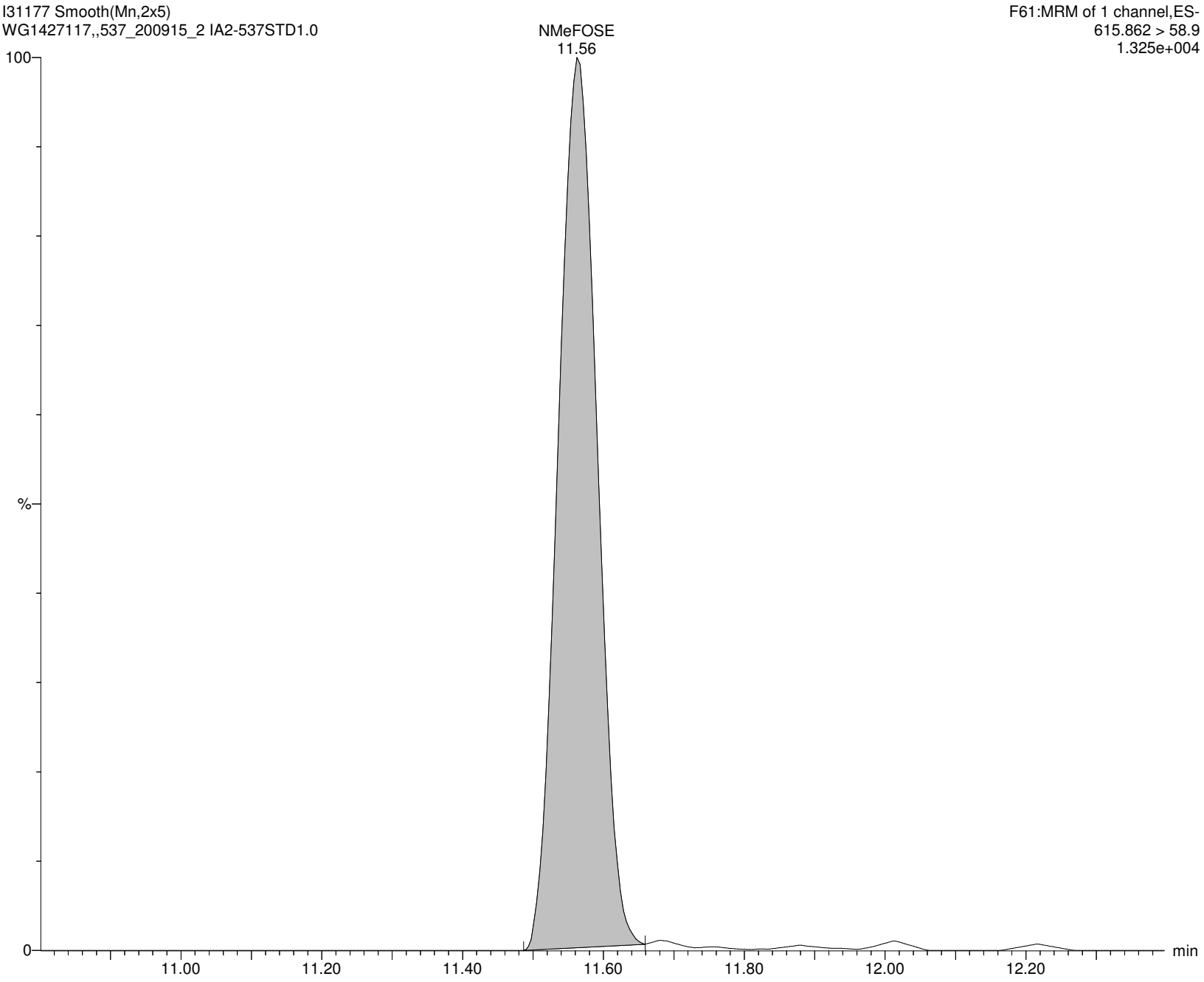
NMeFOSE



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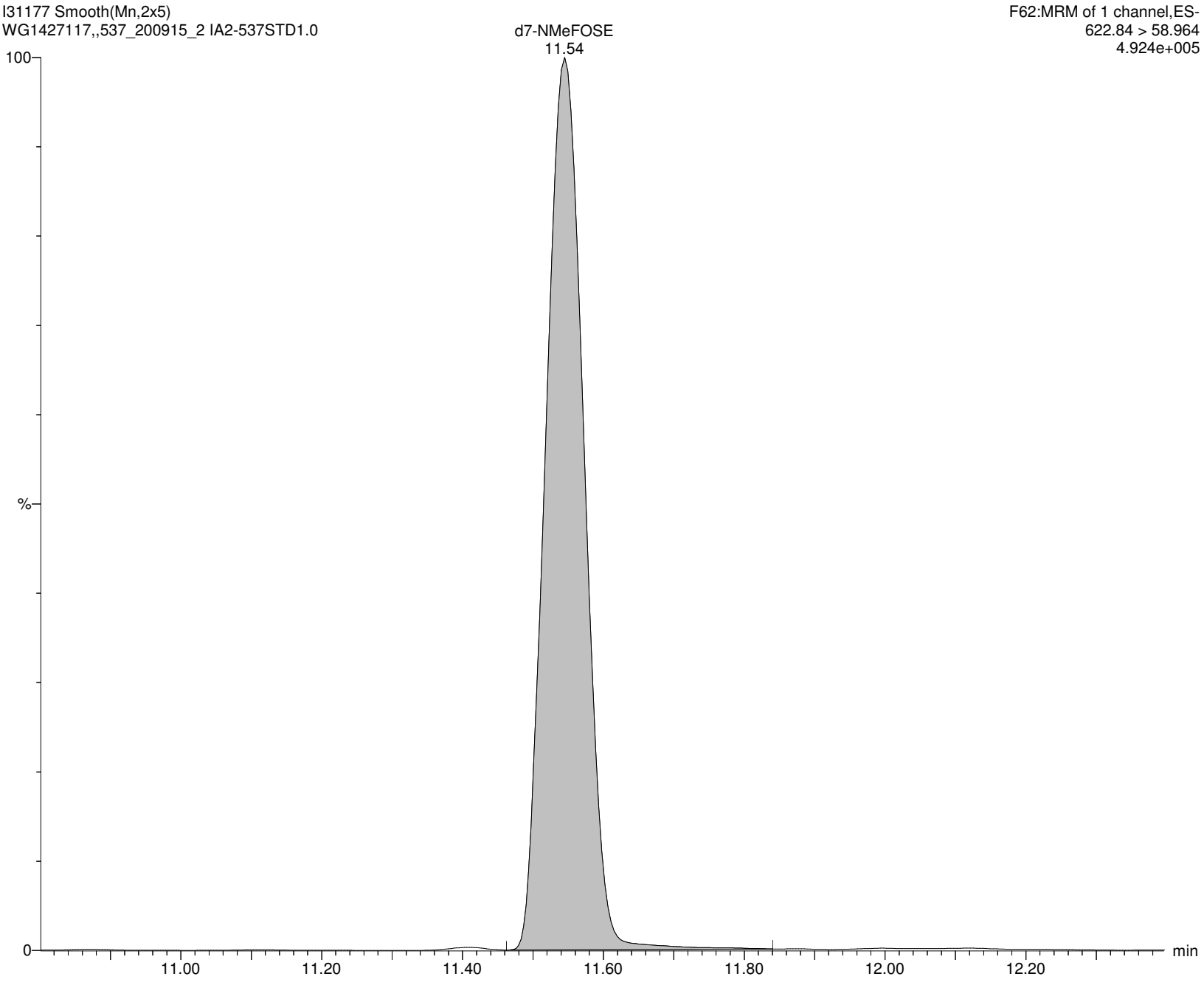
d7-NMeFOSE



all concentration units in (ng/mL)

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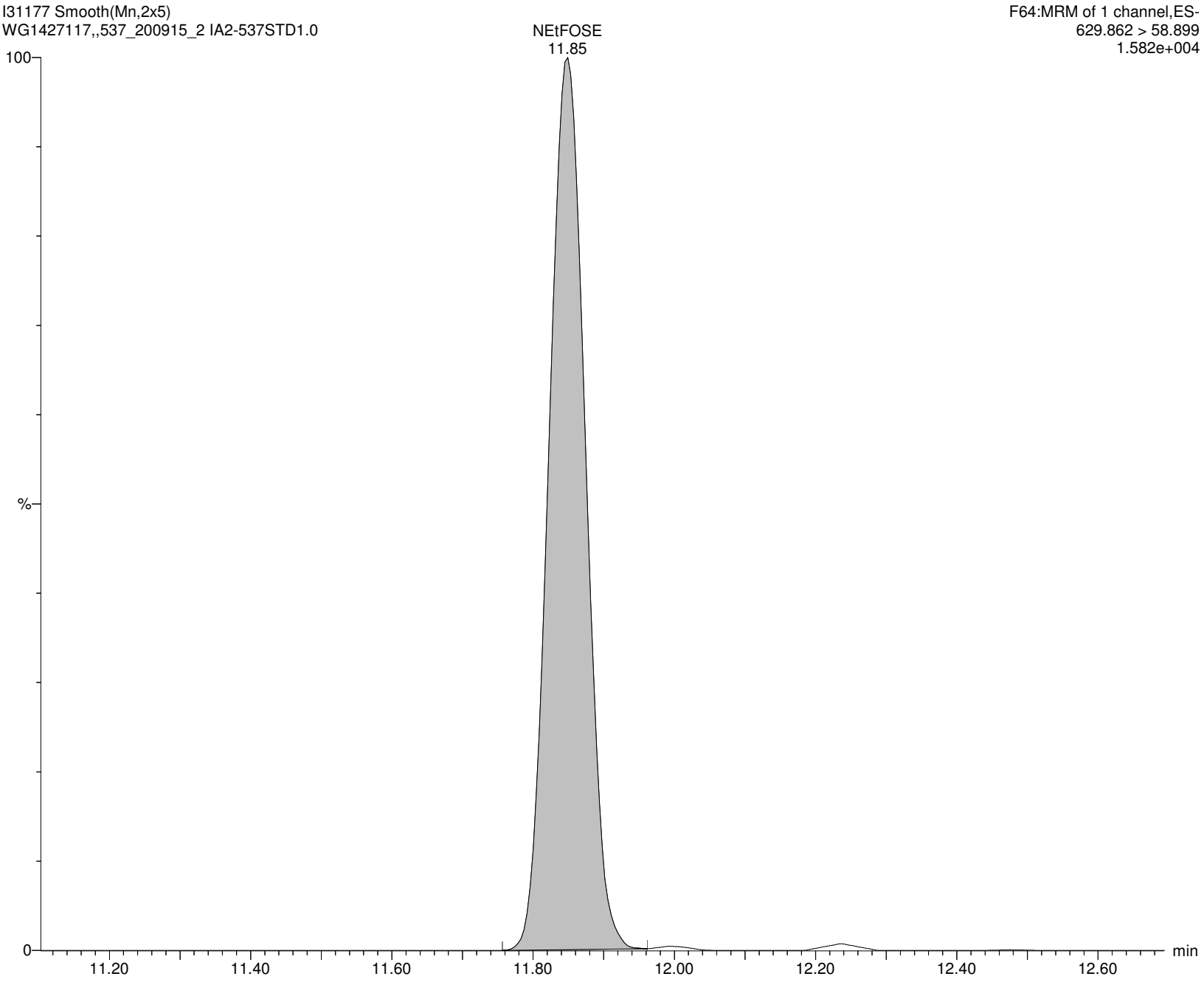
NEtFOSE



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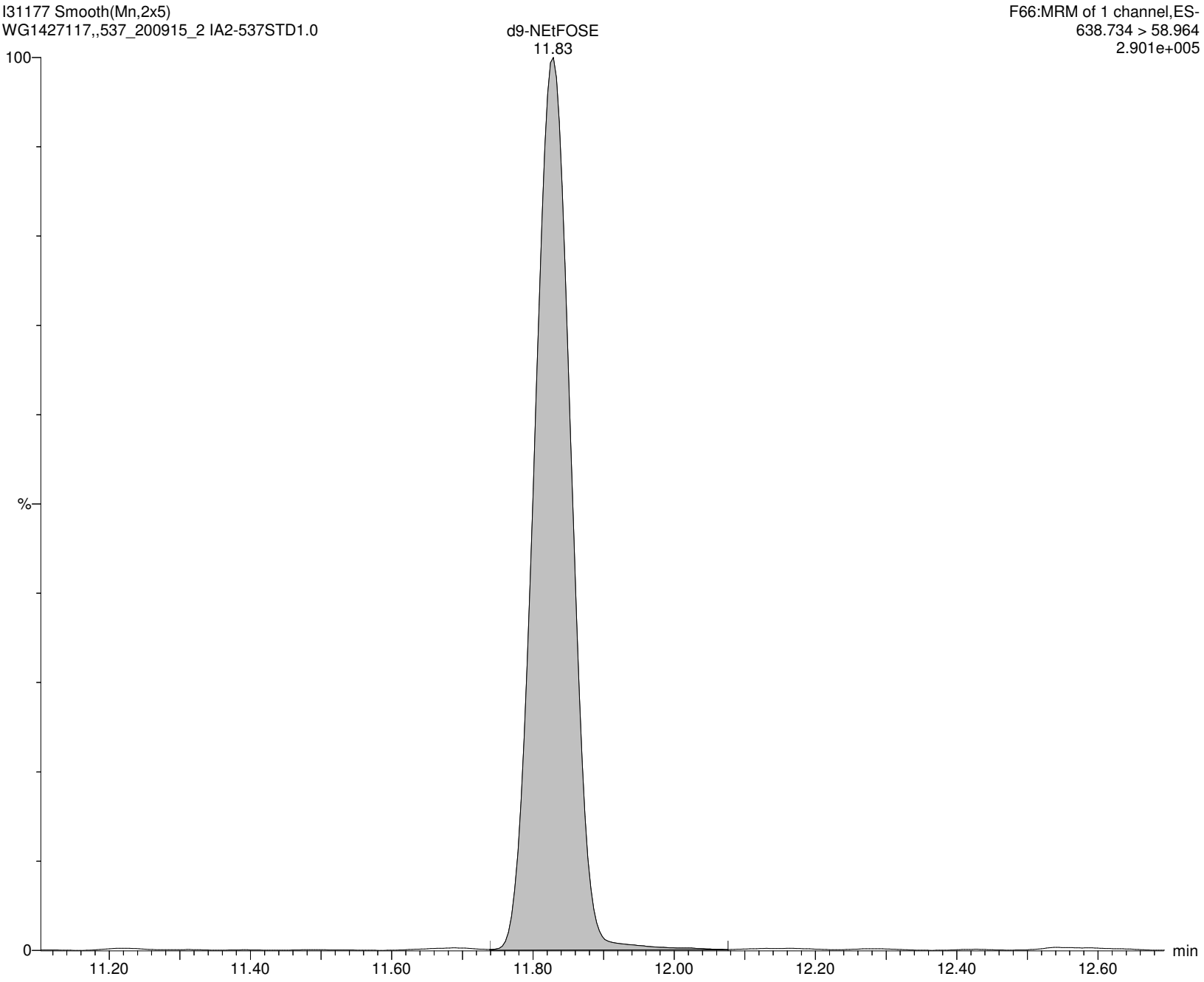
d9-NEtFOSE



all concentration units in (ng/mL)

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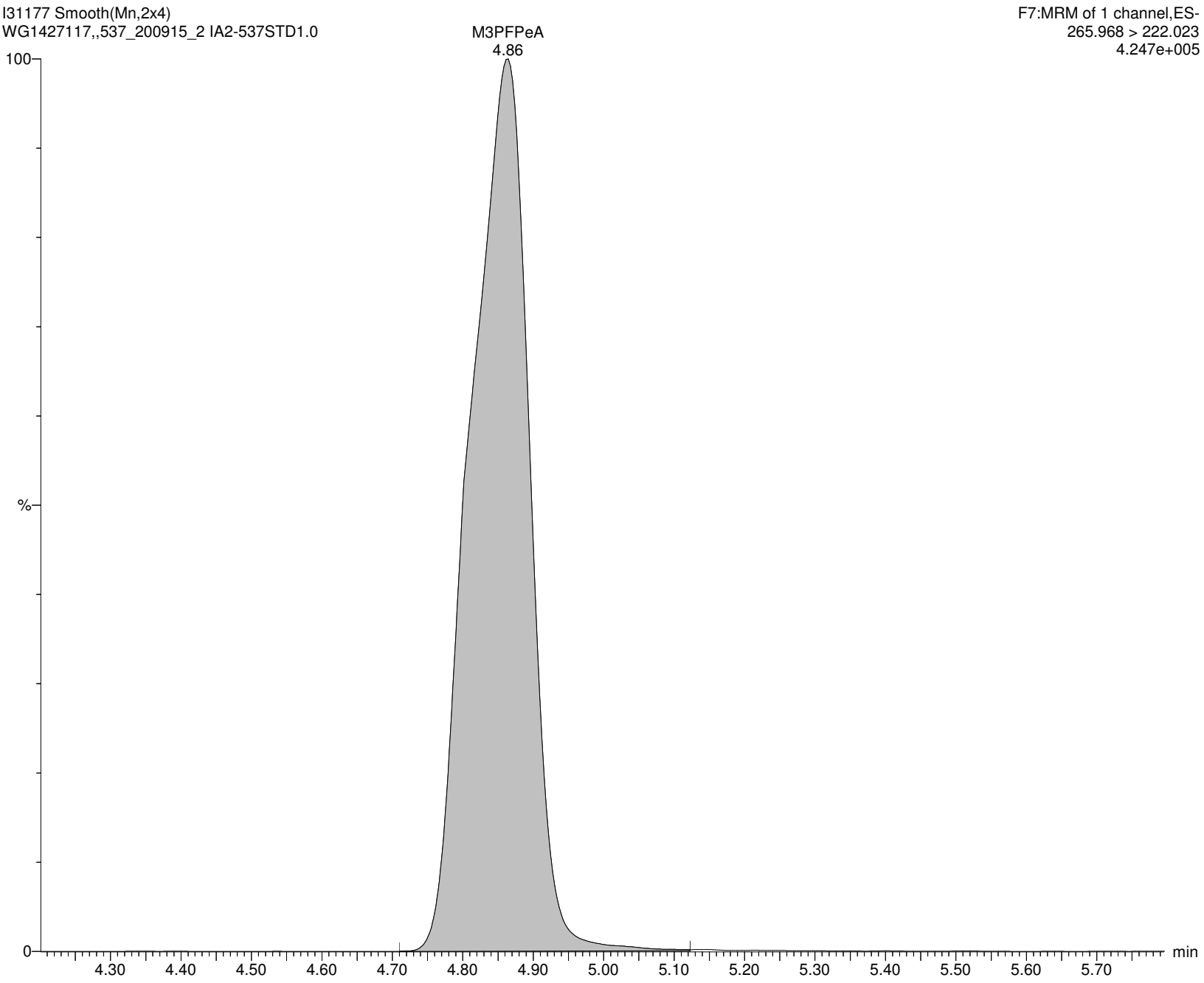

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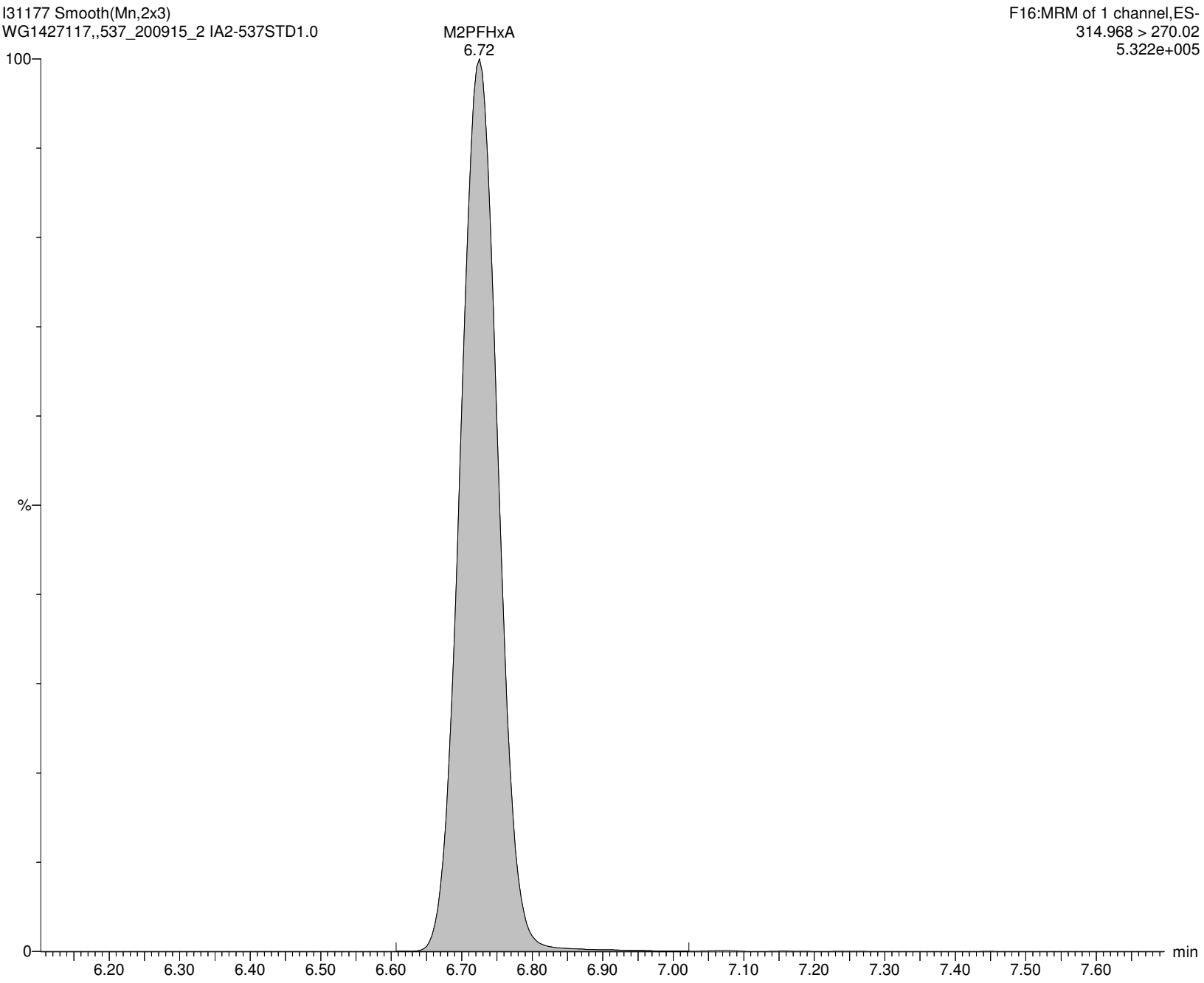

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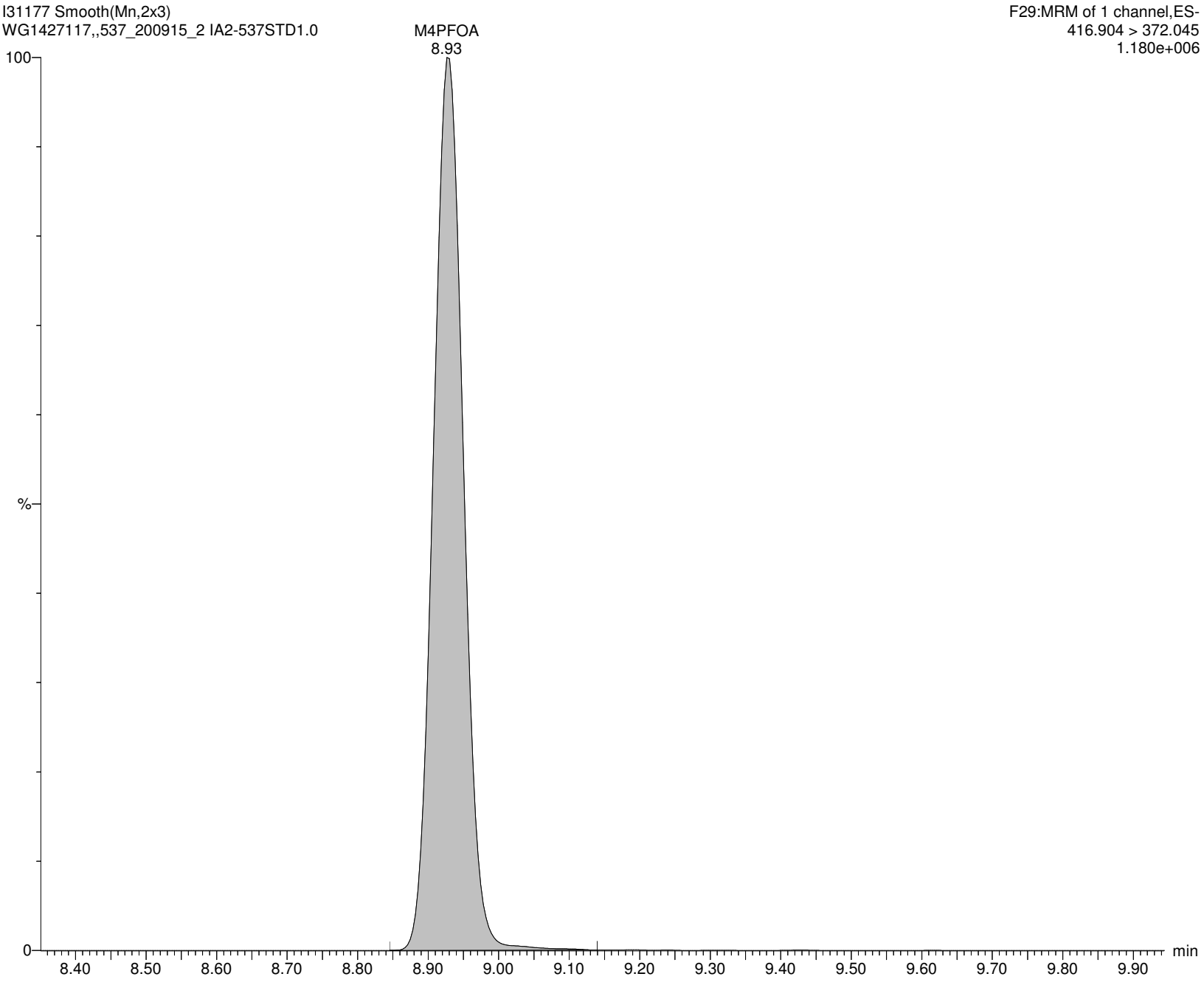

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Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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Method: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\MethDB\537ISO_Q_201027_TOP.mdb 15 Sep 2020 15:13:47
Calibration: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\CurveDB\201027_ISO_ICAL.cdb 28 Oct 2020 10:14:48

ID: IA2-537STD5.0
Name: I31178
Date: 27-Oct-2020
Time: 18:13:43
Description: WG1427117,,537_200915_3
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:JW
Inlet Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\200520_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4	2.01	212.926 > 169.111	13700		4.815		na	96.3
2	M3PFBA	INT STD	2.01	215.926 > 172.122	29770		10.136		na	101.4
3	MPFBA	INT STD	2.01	216.926 > 172.137	37192		10.332		na	103.3
4	PFPeA	2706-90-3	4.86	262.926 > 219.002	16783		4.890		na	97.8
5	M5PFPEA	INT STD	4.86	267.989 > 223.081	47938		10.344		na	103.4
6	PFBS	375-73-5	5.51	298.926 > 79.923	4387		4.295	1.84	NO	97.1
7	M3PFBS	INT STD	5.51	301.989 > 80.254	9668		9.935		na	99.4
8	4:2FTS	757124-72-4	6.65	326.926 > 306.957	993		5.322	2.38	NO	113.8
9	M2-4:2FTS	INT STD	6.65	329.117 > 309.079	3023		8.478		na	84.8
10	PFHxA	307-24-4	6.73	312.989 > 269.028	19804		4.971	14.83	NO	99.4
11	M5PFHxA	INT STD	6.73	317.989 > 273.045	43689		10.128		na	101.3
12	PFPeS	2706-91-4	7.05	348.926 > 80.251	3778		4.408	2.15	NO	93.8
13	PFHpA	375-85-9	7.99	362.926 > 319.014	26102		4.862	5.43	NO	97.2
14	M4PFHpA	INT STD	7.99	366.926 > 321.979	55589		10.270		na	102.7
15	br-PFHxS	355-46-4	7.92	398.926 > 80.295	657	M5,M7	0.902	1.83	NO	106.1
16	L-PFHxS	355-46-4	8.15	398.926 > 80.295	3270		3.525	1.49	NO	95.3
17	PFHxS	355-46-4		398.926 > 80.295	3926		4.426		na	
18	M3PFHxS	INT STD	8.15	401.926 > 80.317	8928		10.367		na	103.7
19	br-PFOA	335-67-1		412.989 > 368.9			ND		YES	
20	L-PFOA	335-67-1	8.93	412.989 > 368.9	30701		4.962	7.48	YES	99.2
21	M2PFOA	INT STD	8.93	415.032 > 369.968	66413		10.634		na	106.3
22	PFOA	335-67-1		412.989 > 368.9	30701		4.962		na	
23	M8PFOA	INT STD	8.93	420.989 > 375.979	74040		10.153		na	101.5
24	6:2FTS	27619-97-2	8.88	427.161 > 407.155	1473	M7	5.245	29.94	YES	110.4
25	M2-6:2FTS	INT STD	8.88	429.146 > 409.14	3542		9.091		na	90.9
26	PFHpS	375-92-8	9.02	448.926 > 80.257	3298		4.598	1.12	NO	96.8
27	PFNA	375-95-1	9.68	462.989 > 418.931	26886		4.935	3.19	NO	98.7
28	M9PFNA	INT STD	9.68	472.053 > 426.947	29168		10.444		na	104.4
29	br-PFOS	1763-23-1	9.55	498.989 > 80.294	1188	m5,m7	1.056	4.71	YES	105.6
30	L-PFOS	1763-23-1	9.74	498.989 > 80.294	3455	m7	3.683	1.80	NO	100.9
31	PFOS	1763-23-1		498.989 > 80.294	4643		4.739		na	
32	M4PFOS	INT STD	9.73	503.032 > 80.306	7952		10.643		na	106.4
33	M8PFOS	INT STD	9.73	507.053 > 80.294	10282		10.350		na	103.5
34	PFDA	335-76-2	10.29	513.053 > 468.906	23014		4.915	4.63	NO	98.3
35	M2PFDA	INT STD	10.29	515.053 > 469.934	48398		11.142		na	111.4
36	M6PFDA	INT STD	10.30	519.053 > 473.931	54602		10.316		na	103.2
37	8:2FTS	39108-34-4	10.29	527.177 > 507.171	778	m7	5.183	132.70	YES	108.0
38	M2-8:2FTS	INT STD	10.28	529.162 > 509.155	2603		9.593		na	95.9
39	PFNS	68259-12-1	10.33	548.989 > 80.249	4027		4.953	1.41	NO	103.2

all concentration units in (ng/mL)

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Tune Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\200520_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.71	573.22 > 419.061	5127		9.293		na	92.9
41	br-NMeFOSAA		10.55	570.202 > 419.061	165	m5,m7	0.891	1.42	YES	74.2
42	L-NMeFOSAA		10.71	570.202 > 419.061	1708		3.630	2.53	YES	95.5
43	NMeFOSAA	2355-31-9		570.202 > 419.061	1873		4.521		na	
44	PFUnA	2058-94-8	10.82	562.989 > 518.903	21783		4.882	5.92	NO	97.6
45	M7-PFUDA	INT STD	10.82	570.053 > 524.923	47848		10.578		na	105.8
46	PFDS	335-77-3	10.84	598.926 > 80.314	3842		4.849	1.47	NO	100.5
47	FOSA	754-91-6	10.94	498.146 > 78.07	14409	m7	4.768	86.33	NO	95.4
48	M8FOSA	INT STD	10.94	506.077 > 78.07	34631		9.891		na	98.9
49	br-NEtFOSAA		10.86	584.229 > 419.061	120	m5	0.929		YES	82.6
50	L-NEtFOSAA		11.01	584.229 > 419.061	1281		3.904	8.50	NO	100.8
51	NEtFOSAA	2991-50-6		584.229 > 419.061	1401		4.833		na	
52	d5-NEtFOSAA	INT STD	11.00	589.259 > 419.061	4063		9.234		na	92.3
53	PFDoA	307-55-1	11.28	612.989 > 568.967	24720		4.983	12.67	NO	99.7
54	MPFDOA	INT STD	11.28	614.989 > 569.92	50257		9.891		na	98.9
55	PFTrDA	72629-94-8	11.67	663.053 > 618.969	29169		5.634	9.81	NO	112.7
56	PFTA	376-06-7	12.02	713.053 > 668.976	22970		4.942	6.81	NO	98.8
57	M2PFTEDA	INT STD	12.02	715.094 > 670.092	24377		9.770		na	97.7
58	M3HFPO-DA	INT STD	7.15	287.02 > 169.022	7186		273.129		na	136.6
59	HFPO-DA	13252-13-6	7.15	284.819 > 169.094	3183		99.117	8.63	NO	99.1
60	ADONA	958445-44-8	8.17	376.926 > 251.005	39643		4.958		na	104.8
61	PFHxDA		12.56	813.253 > 769.005	9841		4.946		na	98.9
62	PFODA		12.77	913.411 > 869.131	4840		4.750		na	95.0
63	M2PFHxDA		12.56	815.372 > 770.158	14371		9.539		na	95.4
64	PFDoS		11.67	699.154 > 80.062	4007		4.558		na	91.2
65	10:2FTS		11.28	627.192 > 607.186	819	m4	4.952		na	102.7
66	9CL-PF3ONS		10.08	530.862 > 350.843	15102		4.404		na	94.5
67	11CL-PFOUdS		11.09	630.862 > 450.854	14241		4.587		na	97.4
68	NMeFOSA		11.56	511.804 > 168.906	1575		4.516	1.83	NO	90.3
69	d3-NMeFOSA		11.55	514.84 > 168.917	53830		101.265		na	92.1
70	NEtFOSA		11.86	525.84 > 168.92	1983		4.640	4.12	NO	92.8
71	d5-NEtFOSA		11.85	530.904 > 168.919	65198		100.066		na	91.0
72	NMeFOSE		11.56	615.862 > 58.9	4754		5.473		na	109.5
73	d7-NMeFOSE		11.54	622.84 > 58.964	32404		100.477		na	91.3
74	NEtFOSE		11.85	629.862 > 58.899	5171		5.626		na	112.5
75	d9-NEtFOSE		11.82	638.734 > 58.964	18420		98.226		na	89.3
76	M3PFPeA		4.87	265.968 > 222.023	42443		10.072		na	100.7
77	M2PFHxA		6.73	314.968 > 270.02	33735		10.192		na	101.9
78	M4PFOA		8.93	416.904 > 372.045	59399		10.511		na	105.1

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:15:48 Eastern Daylight Time

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Calibration: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\CurveDB\201027_ISO_ICAL.cdb 28 Oct 2020 10:14:48

Name: I31178
ID: IA2-537STD5.0
Date: 27-Oct-2020
Time: 18:13:43
Description: WG1427117,,537_200915_3
User: LCMS02:JW
Vial: 1:A,4
Instrument: XEVO-TQSmicro#QEB0050
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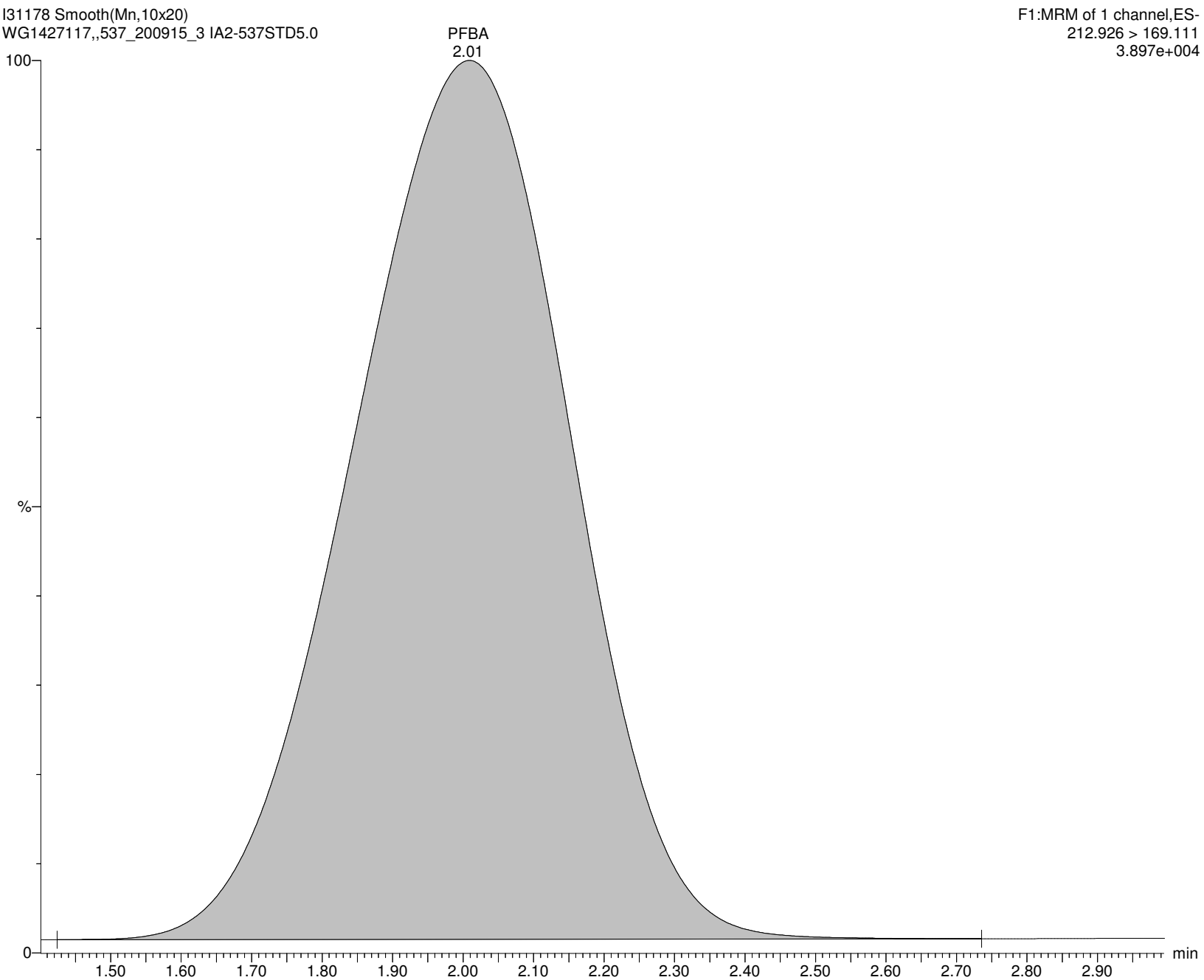

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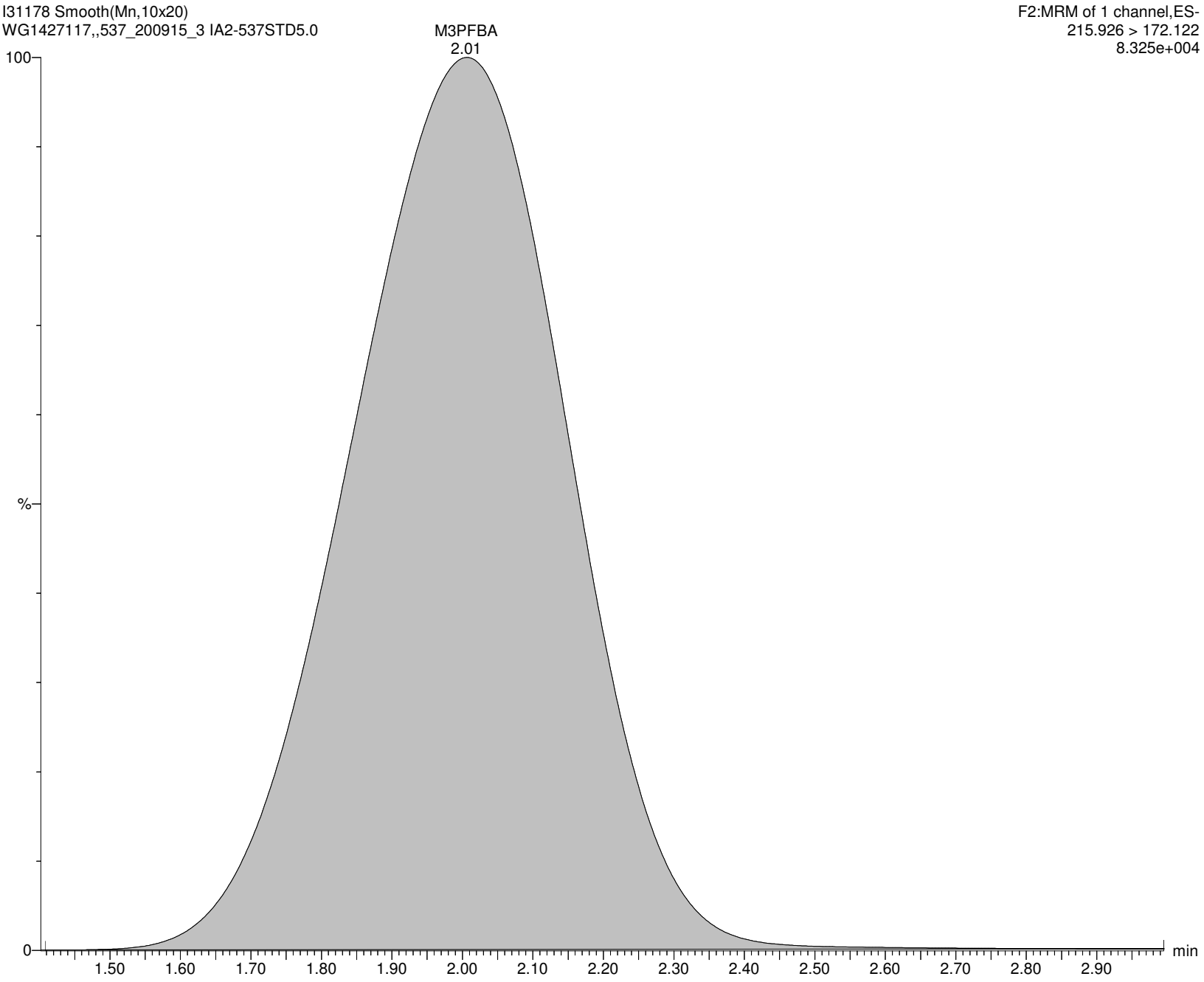

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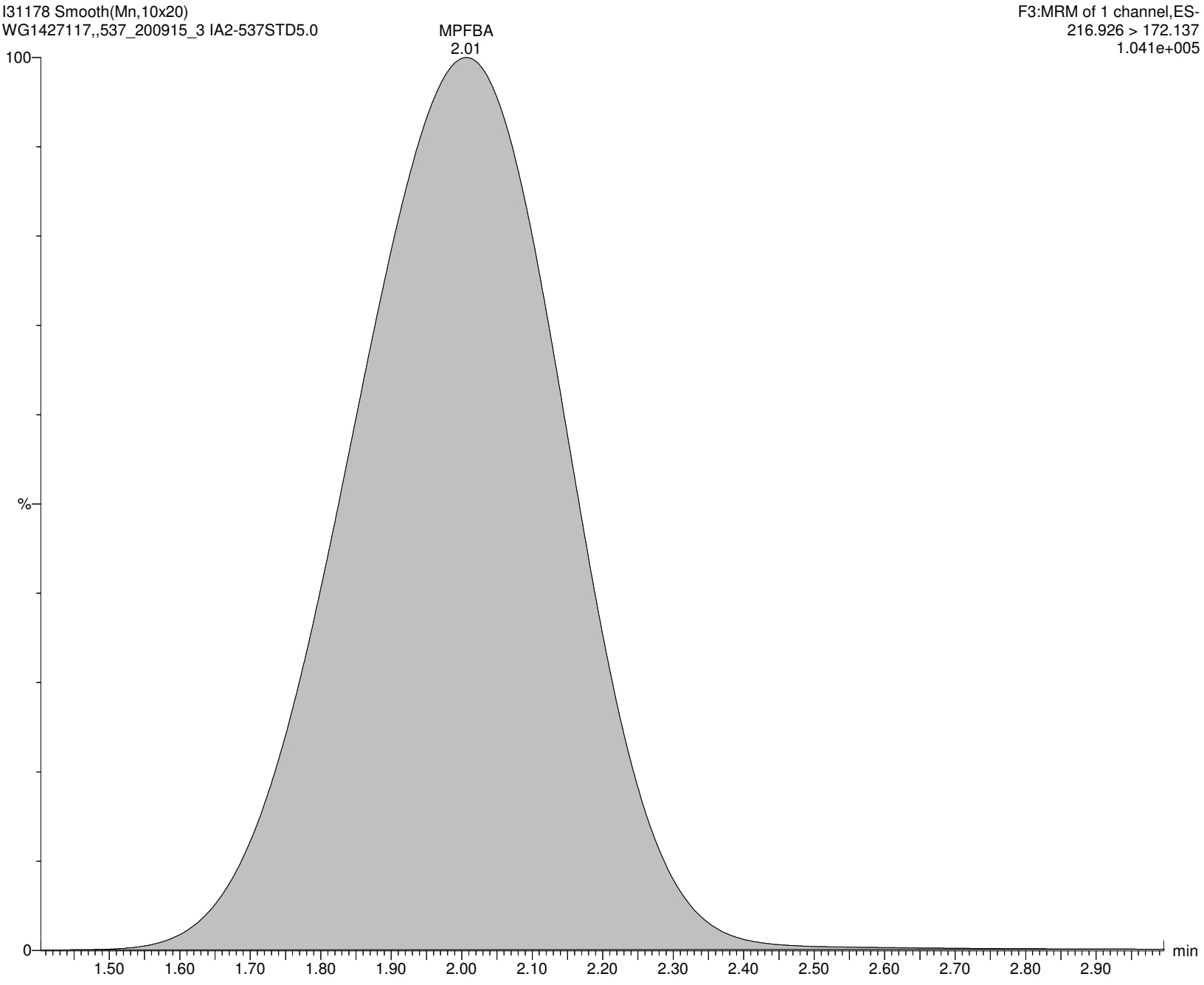

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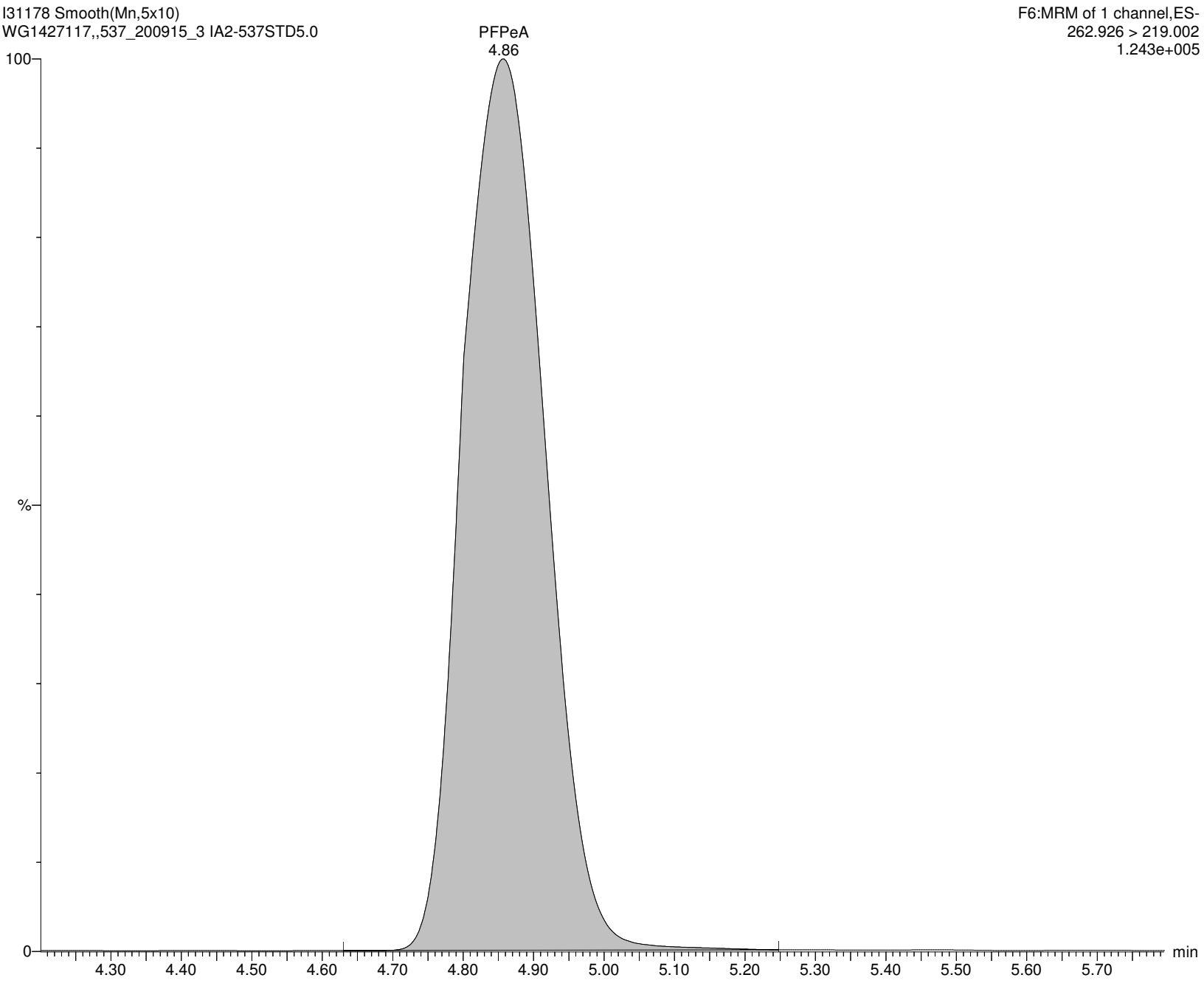

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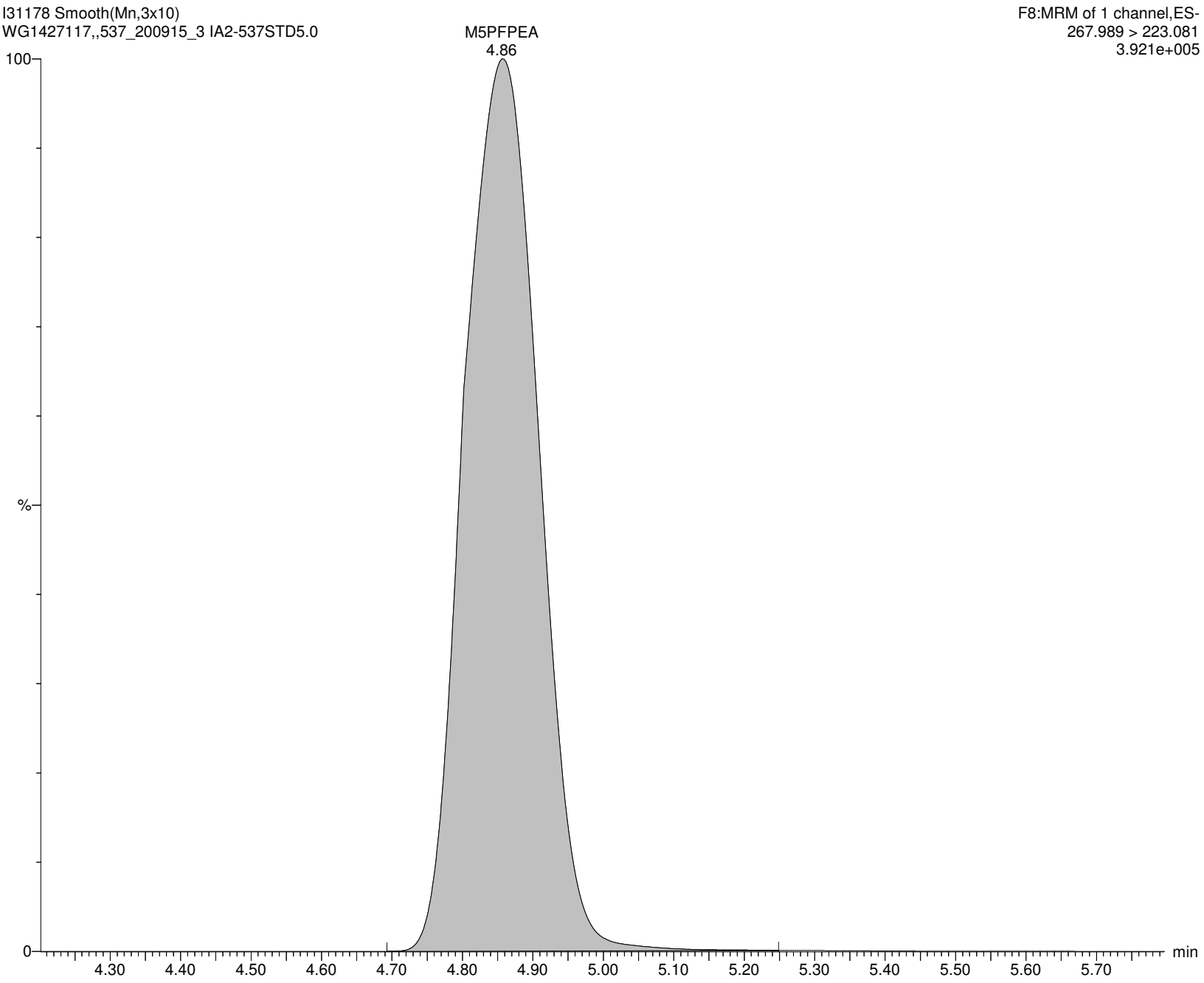

all concentration units in (ng/mL)

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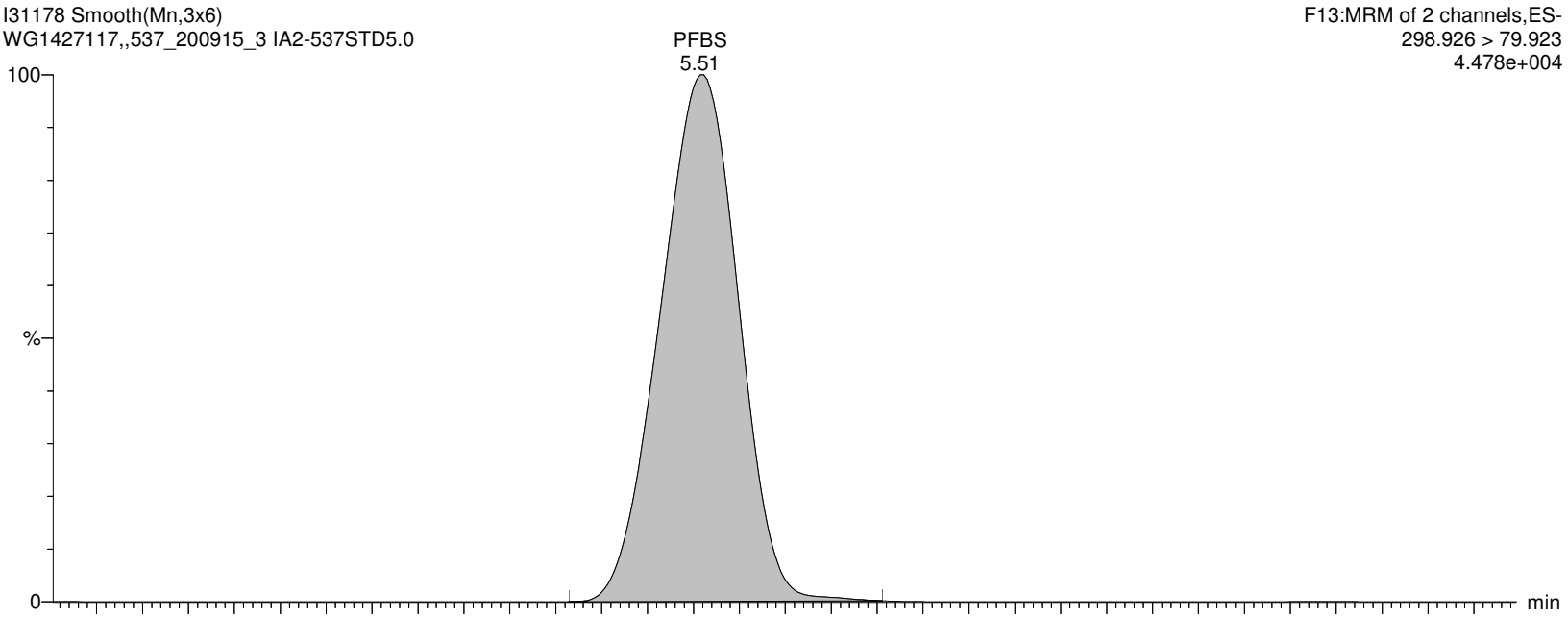

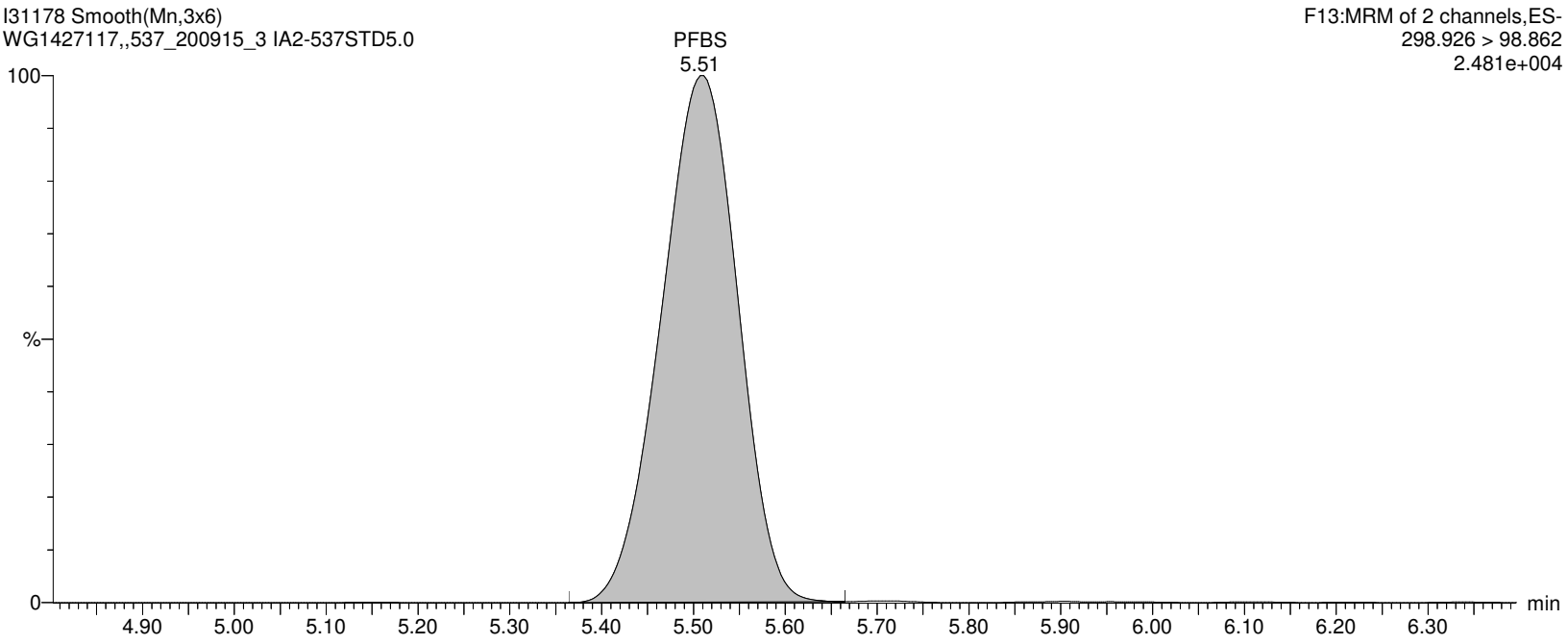

all concentration units in (ng/mL)

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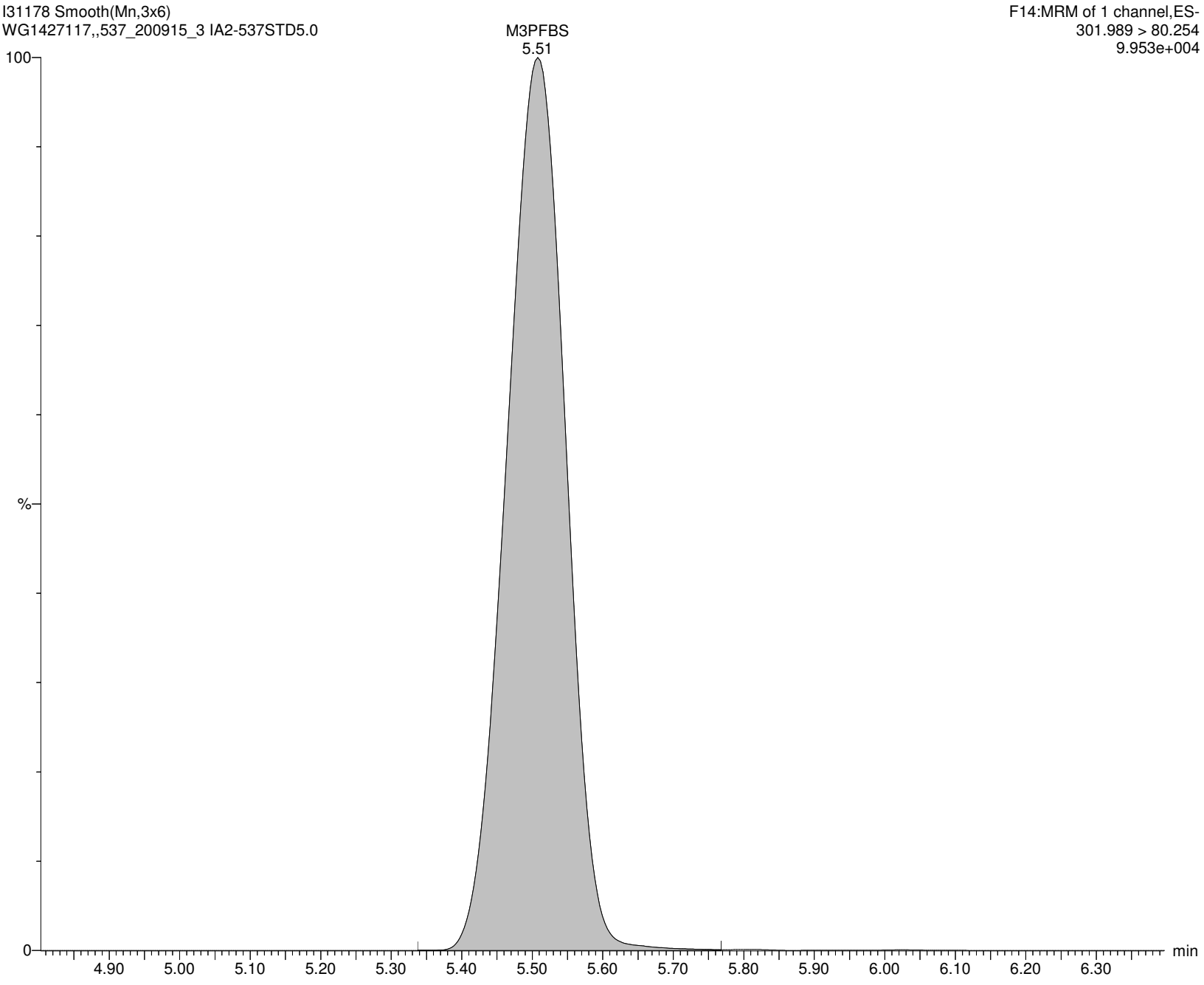

all concentration units in (ng/mL)

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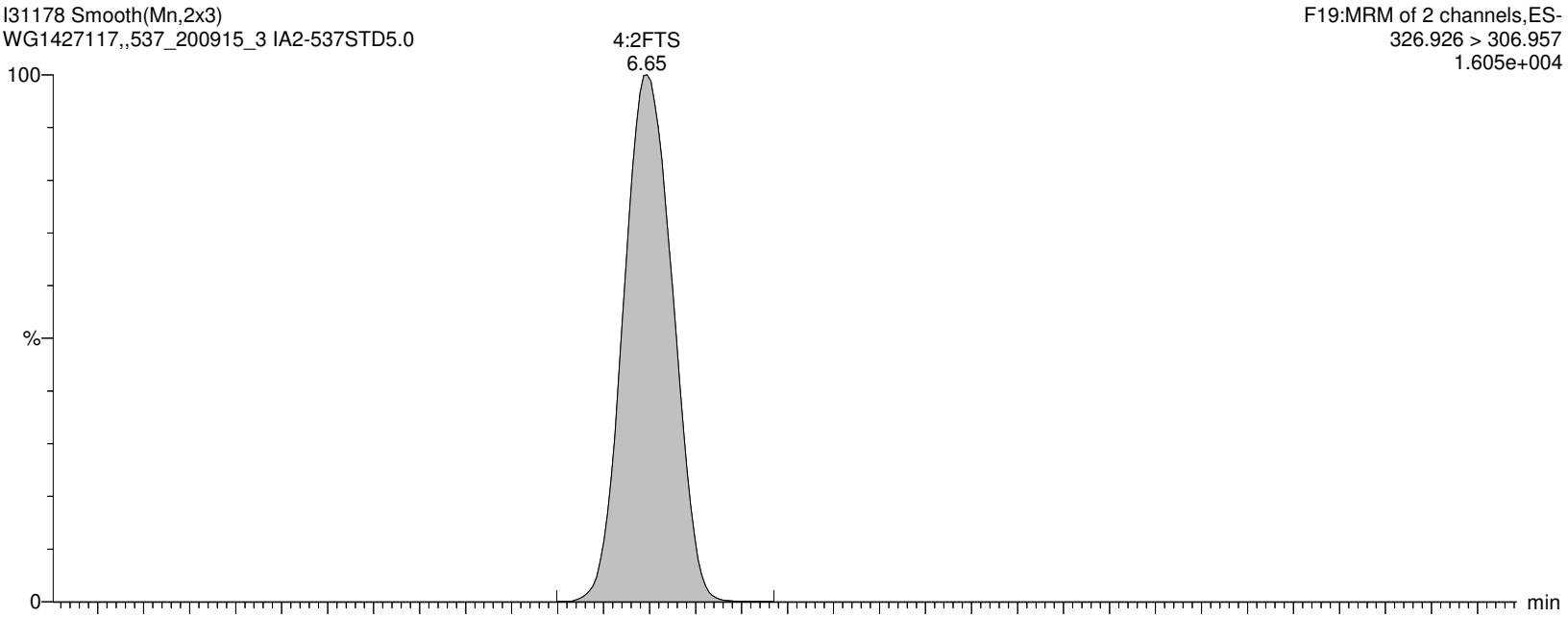
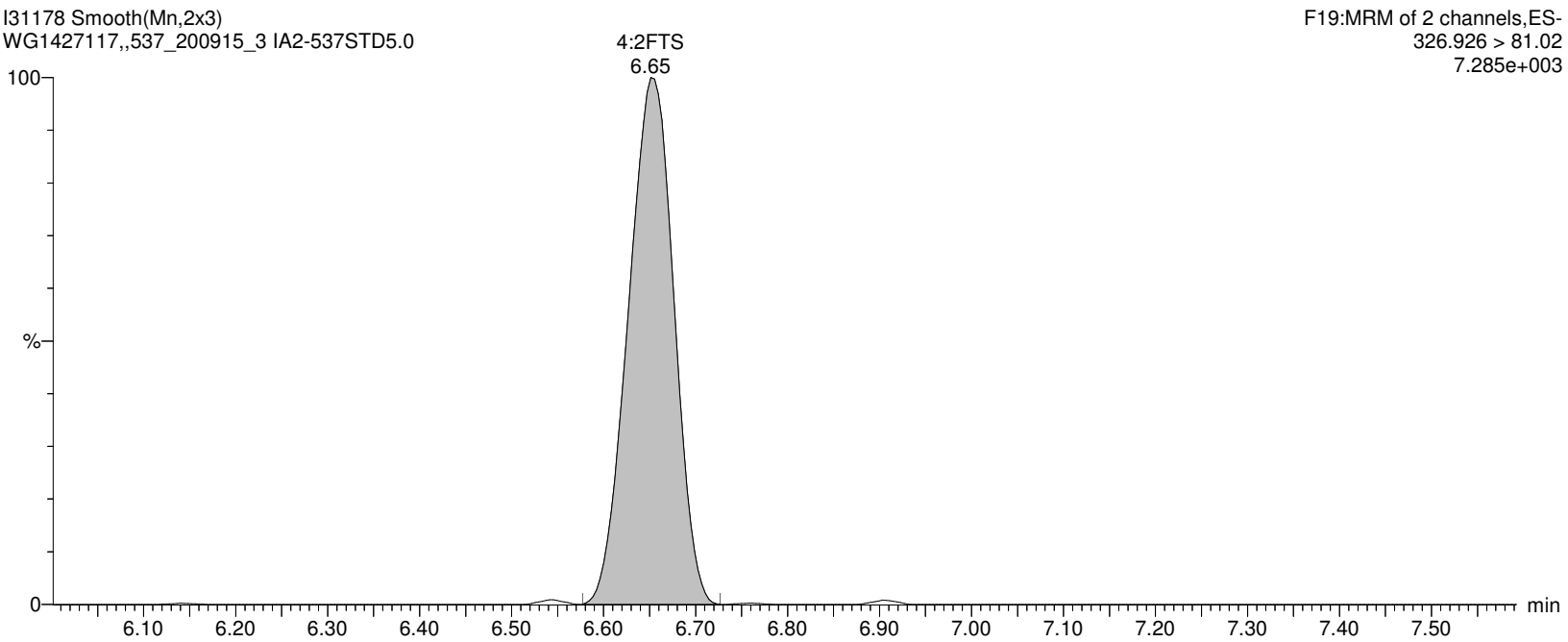
4:2FTS





all concentration units in (ng/mL)

Alpha Analytical Inc.
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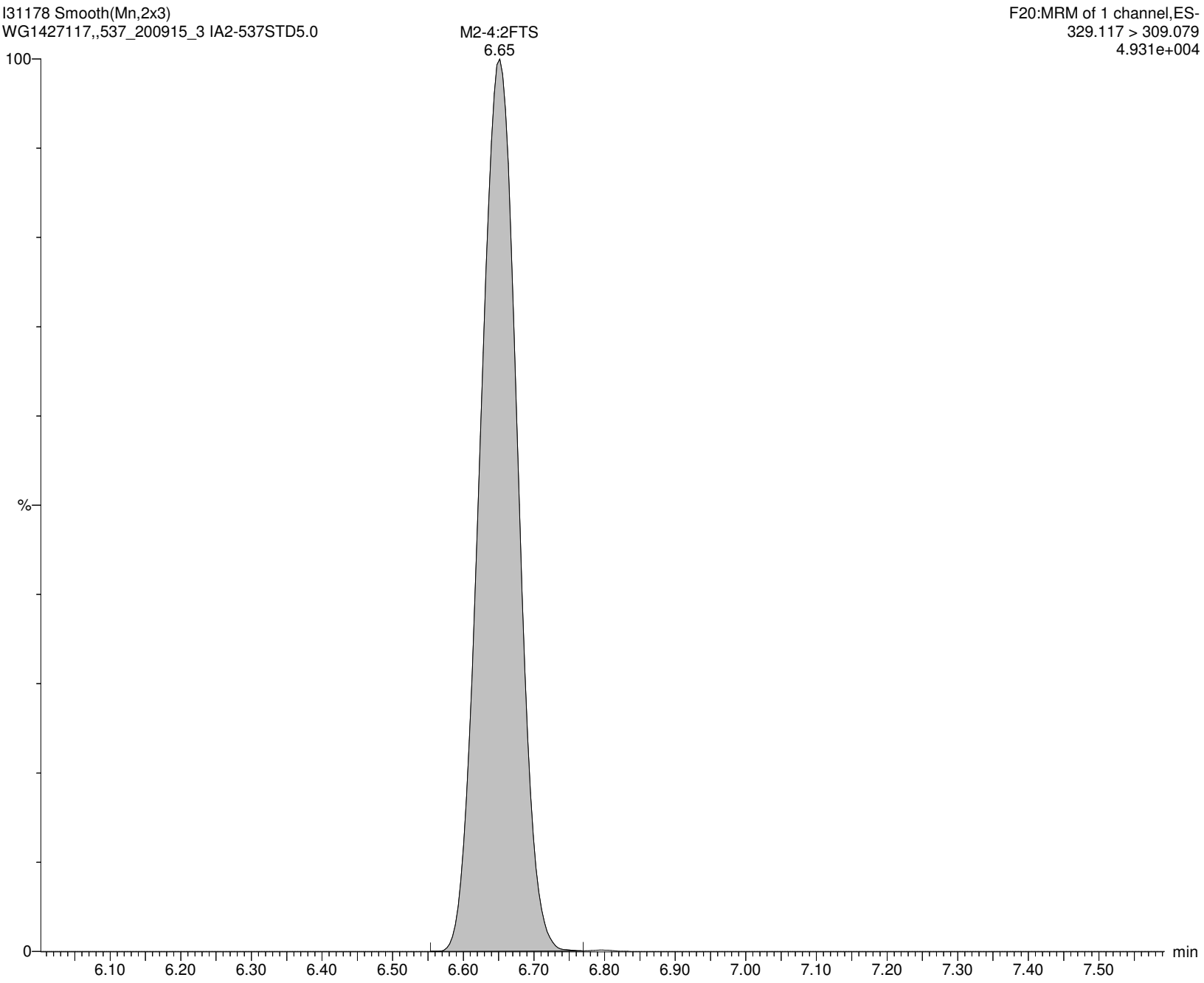

all concentration units in (ng/mL)

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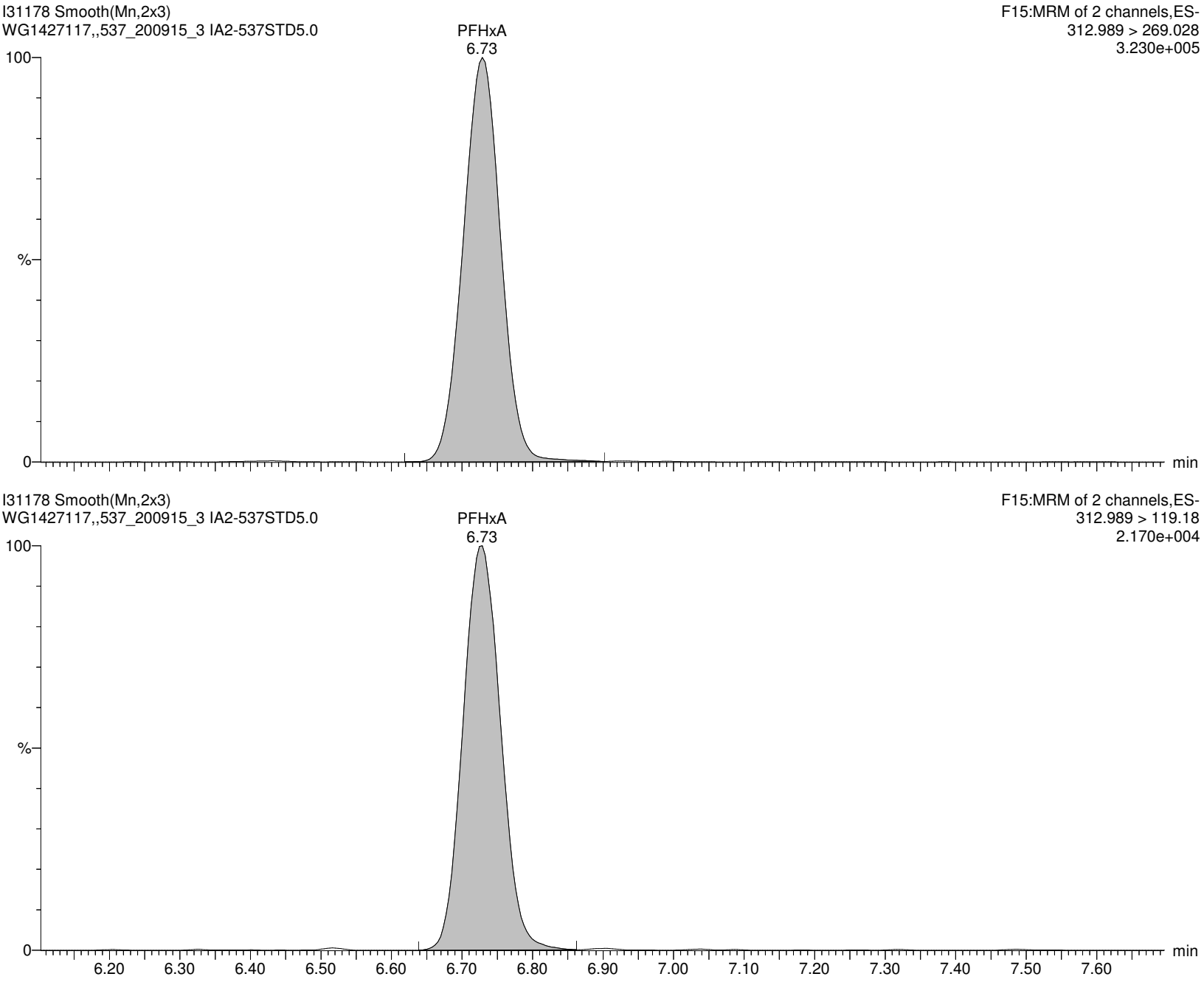

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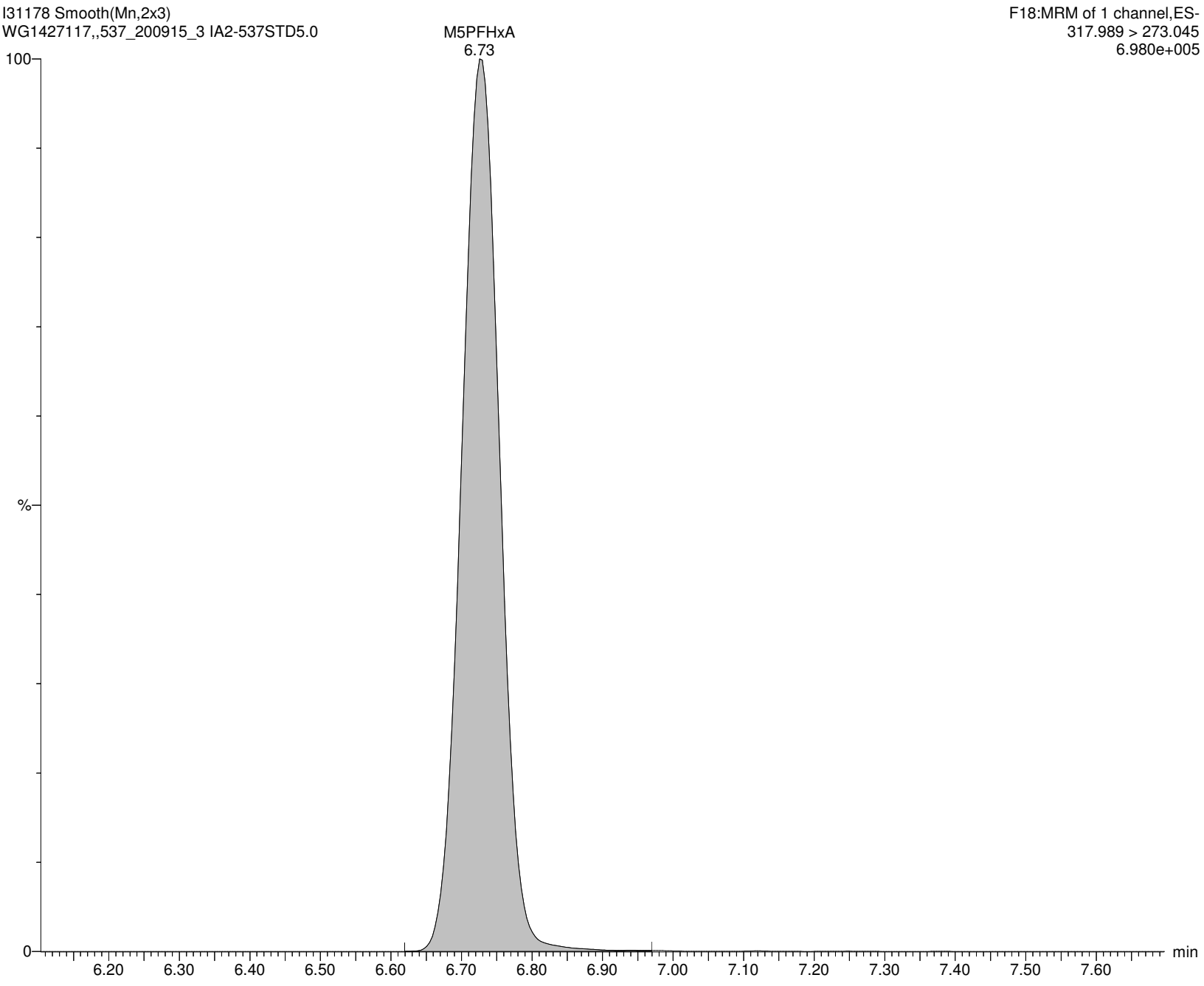

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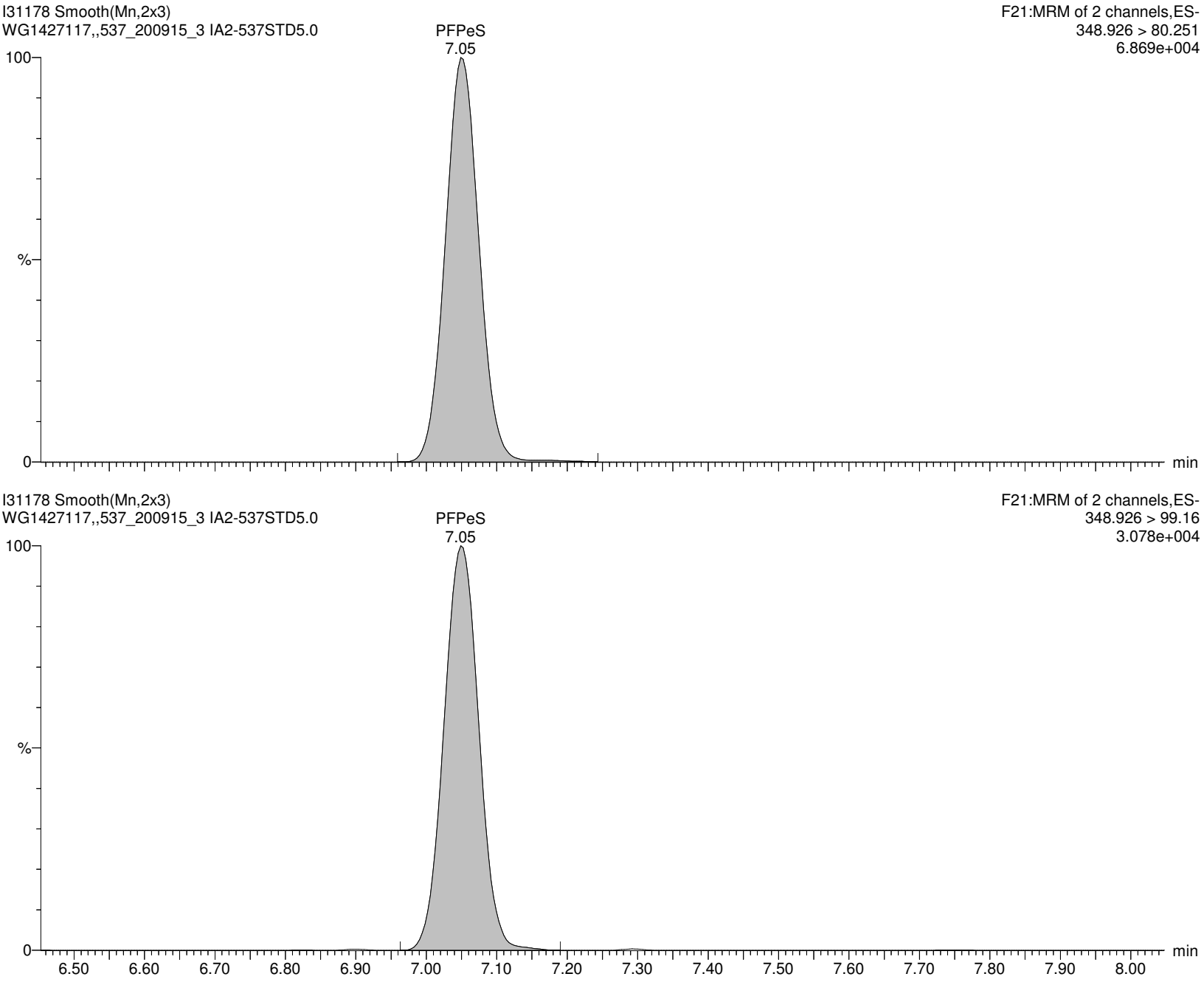

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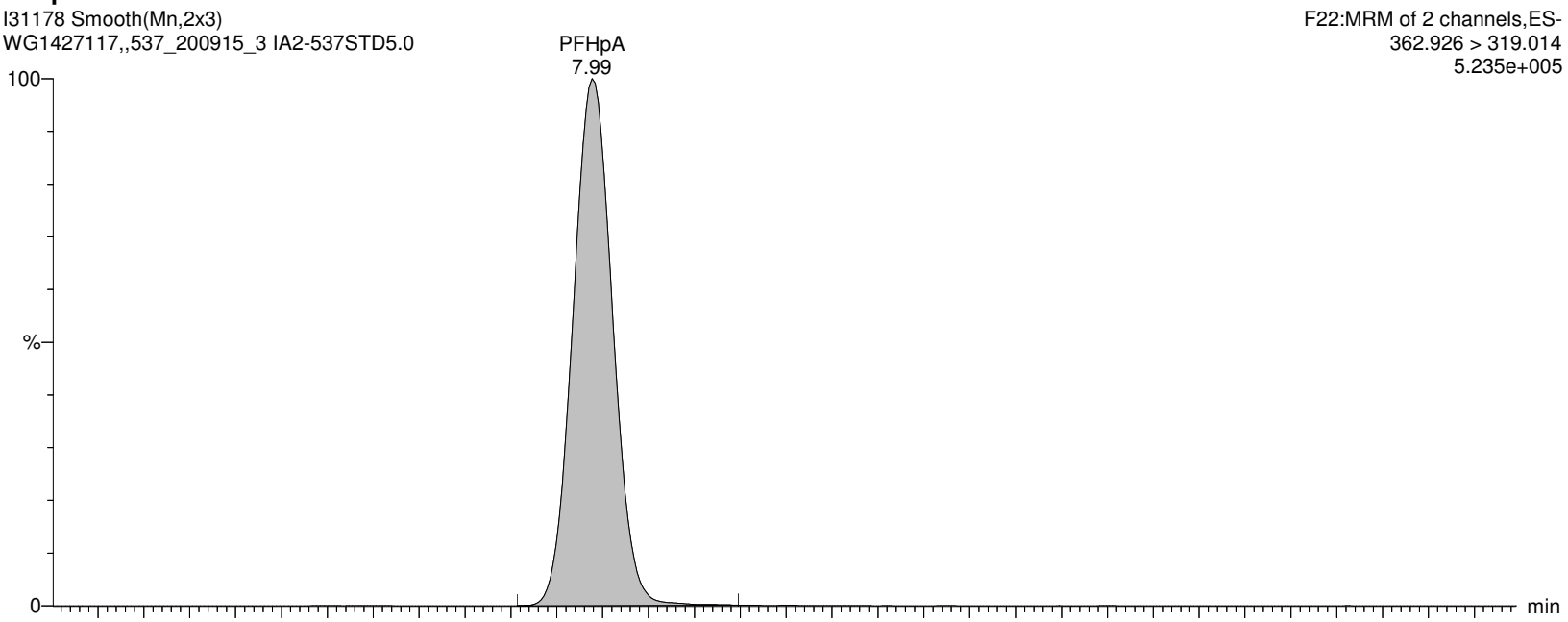

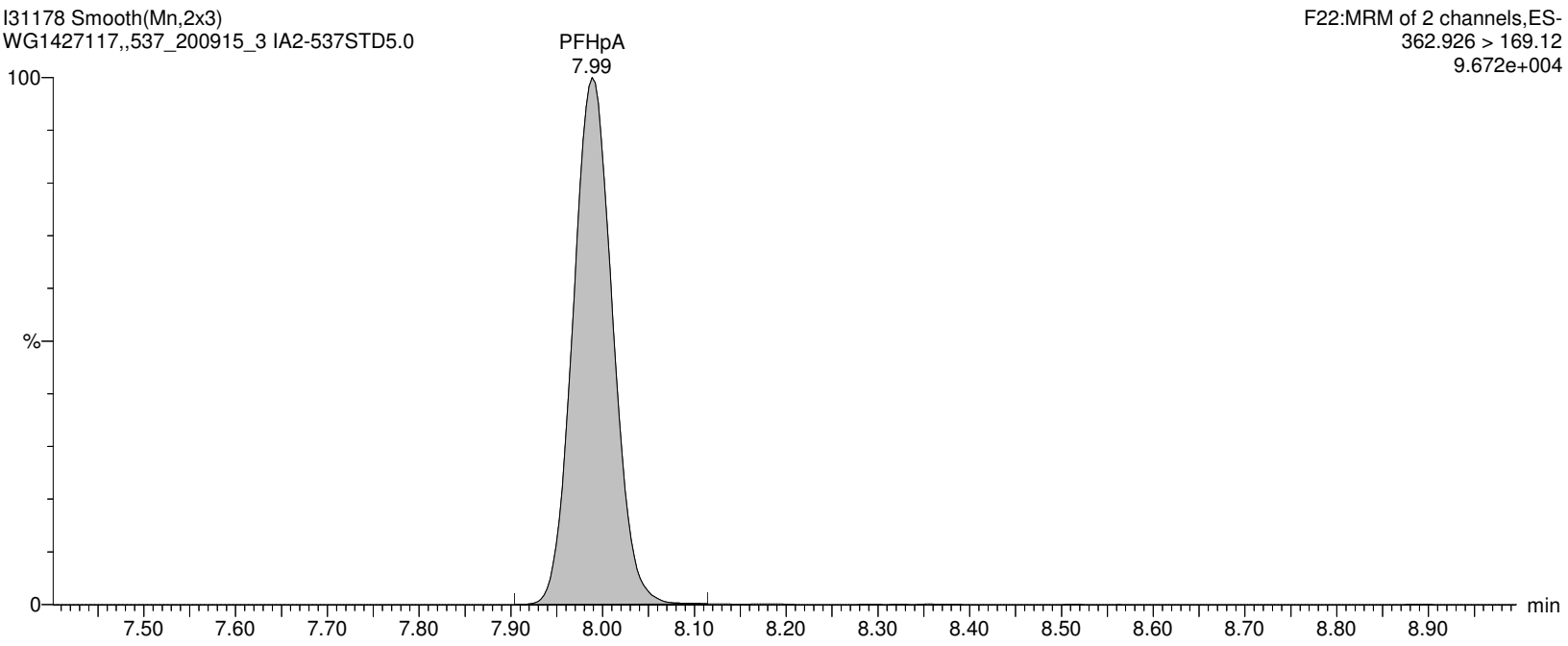

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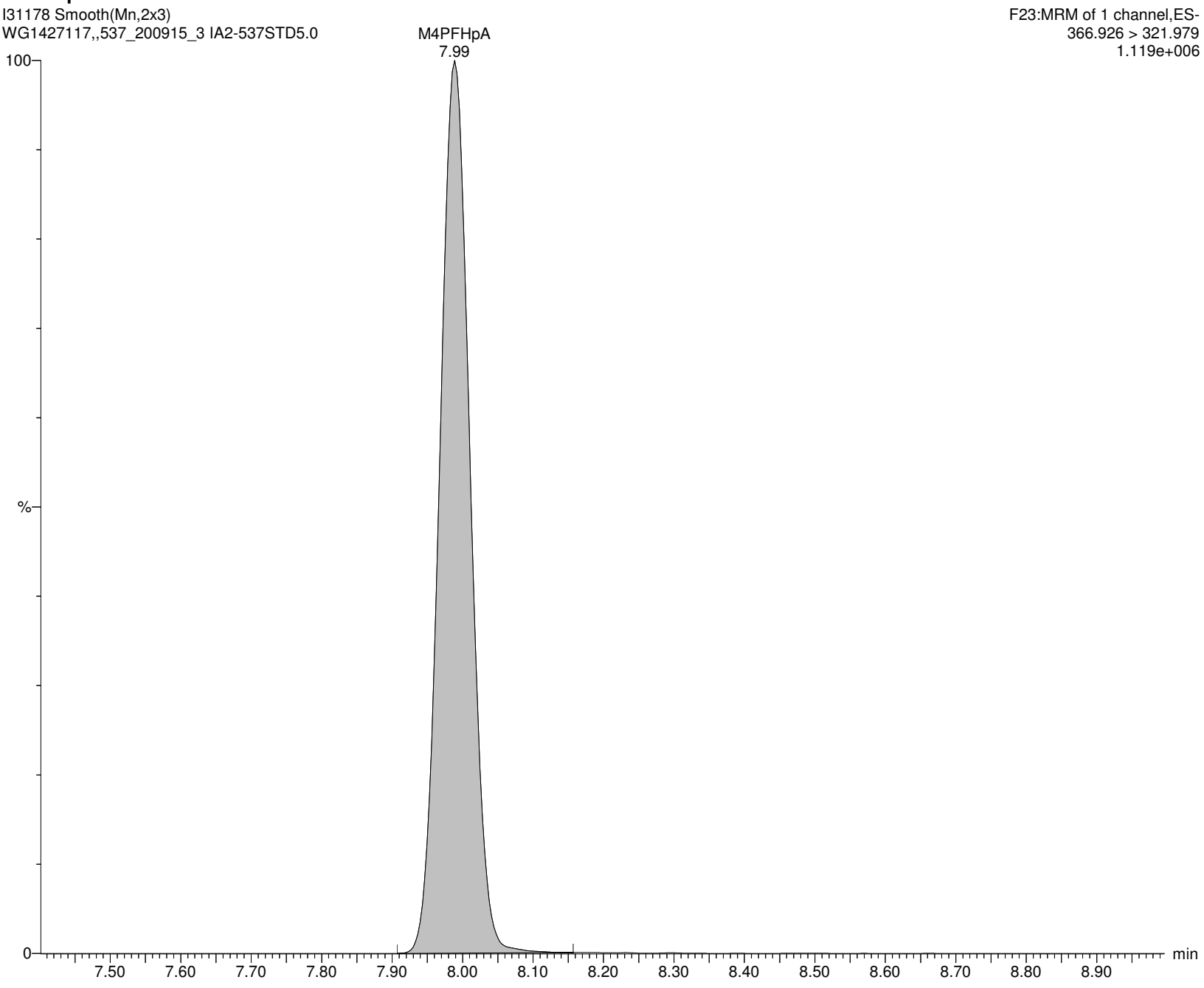

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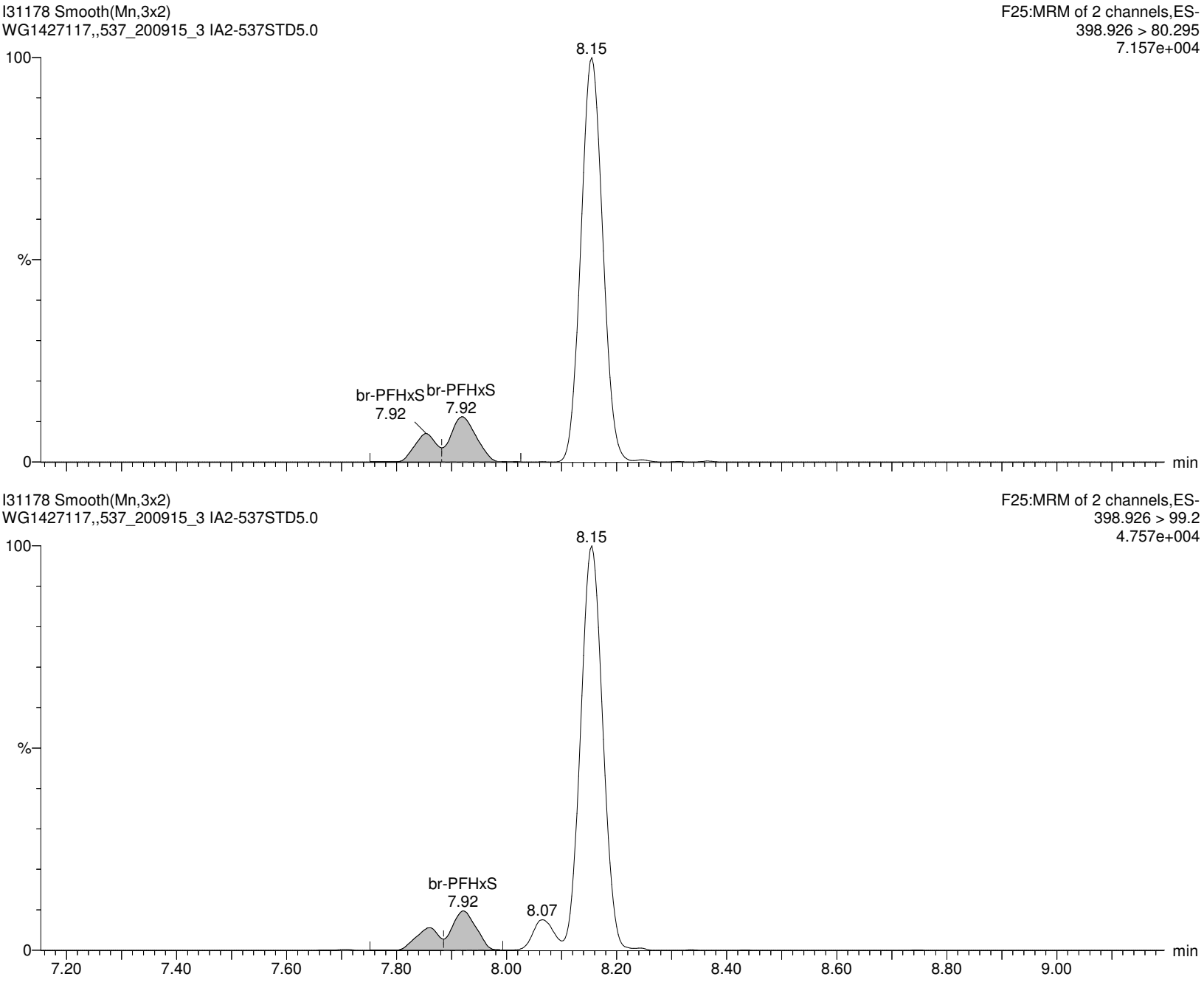

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:15:48 Eastern Daylight Time

Name: I31178
ID: IA2-537STD5.0
Date: 27-Oct-2020
Time: 18:13:43
Description: WG1427117,,537_200915_3
User: LCMS02:JW
Vial: 1:A,4
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
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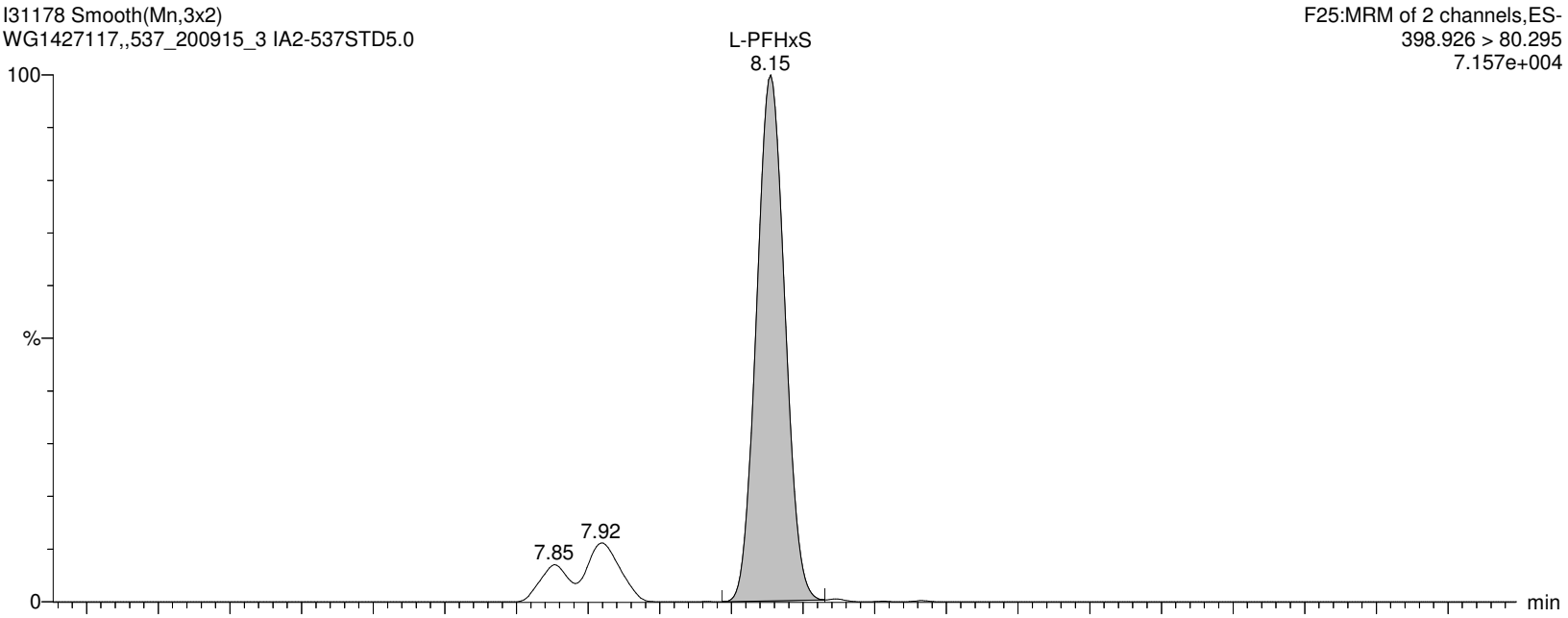

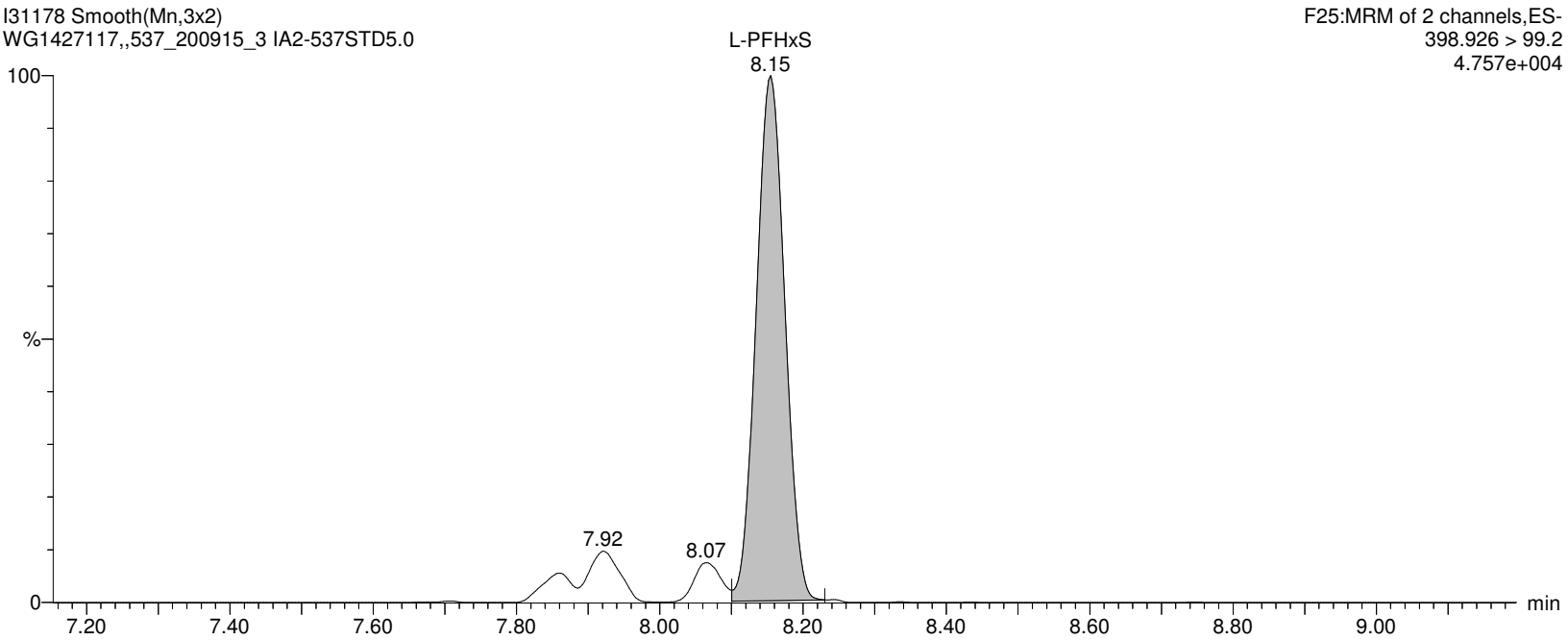

all concentration units in (ng/mL)

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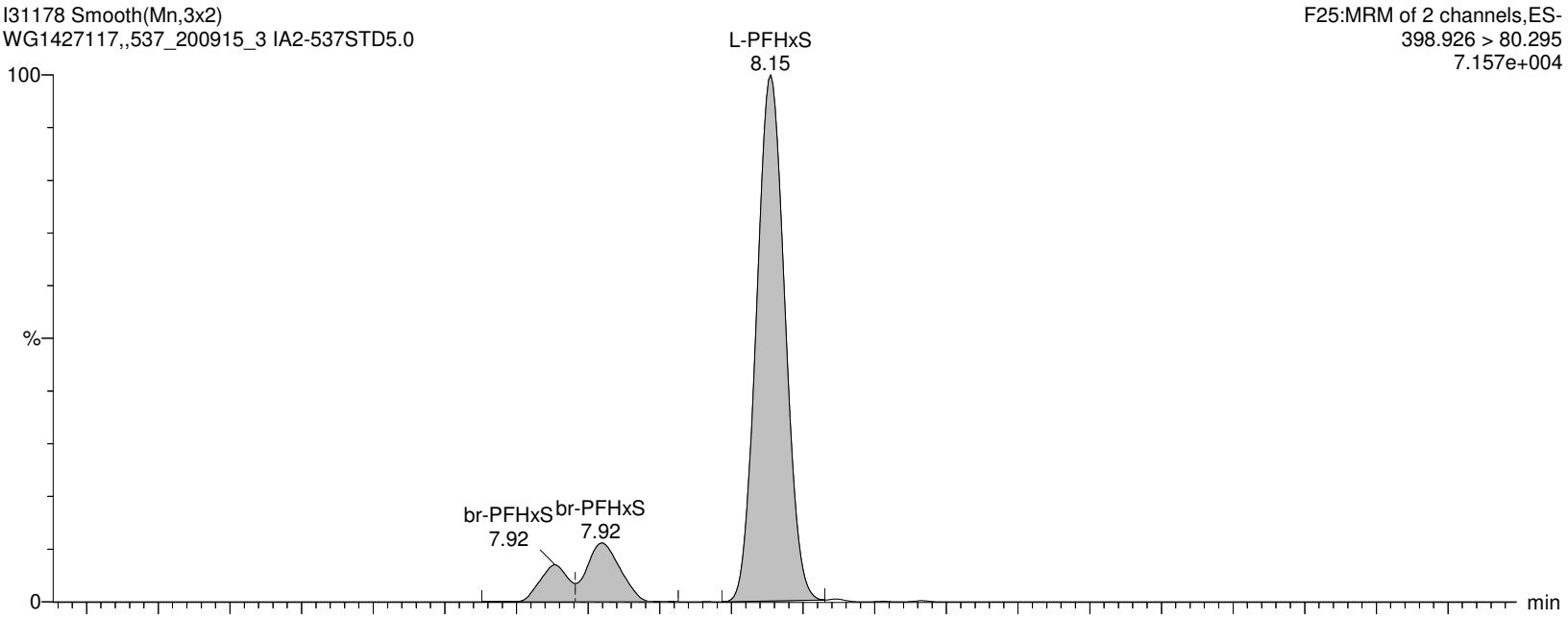

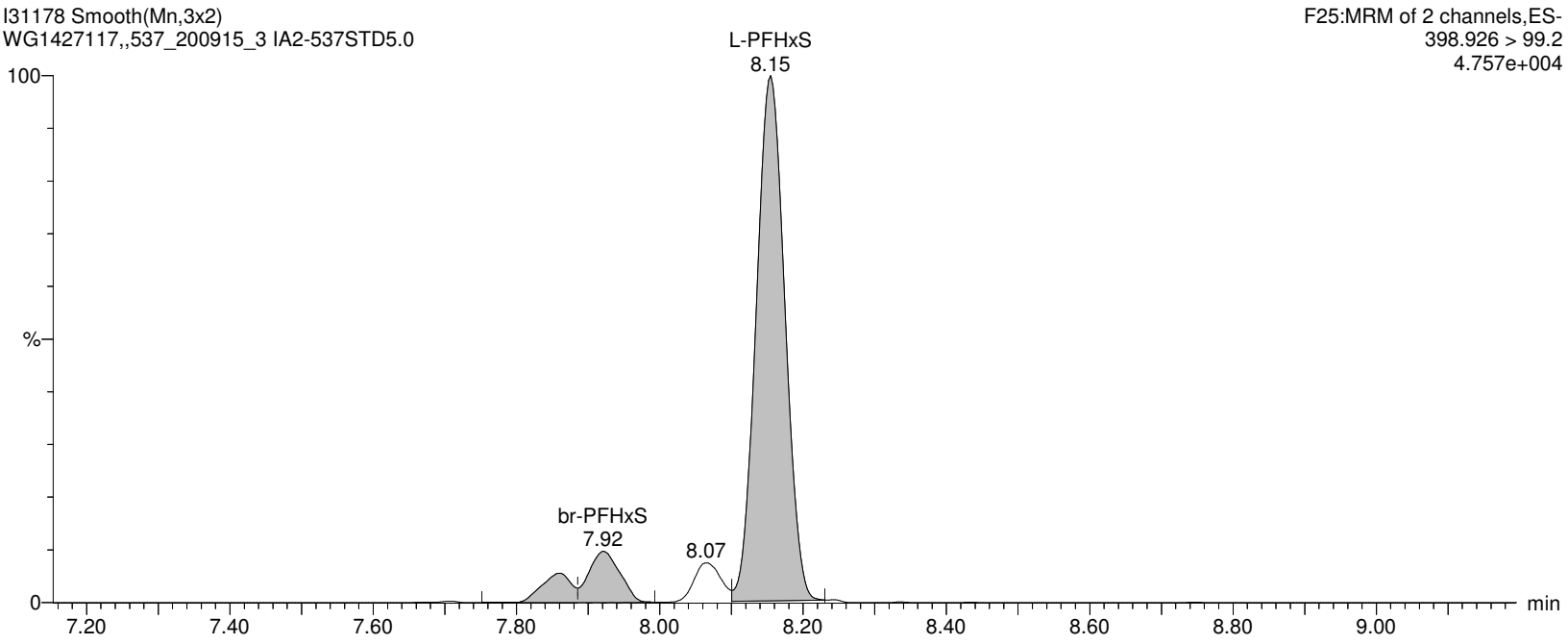

all concentration units in (ng/mL)

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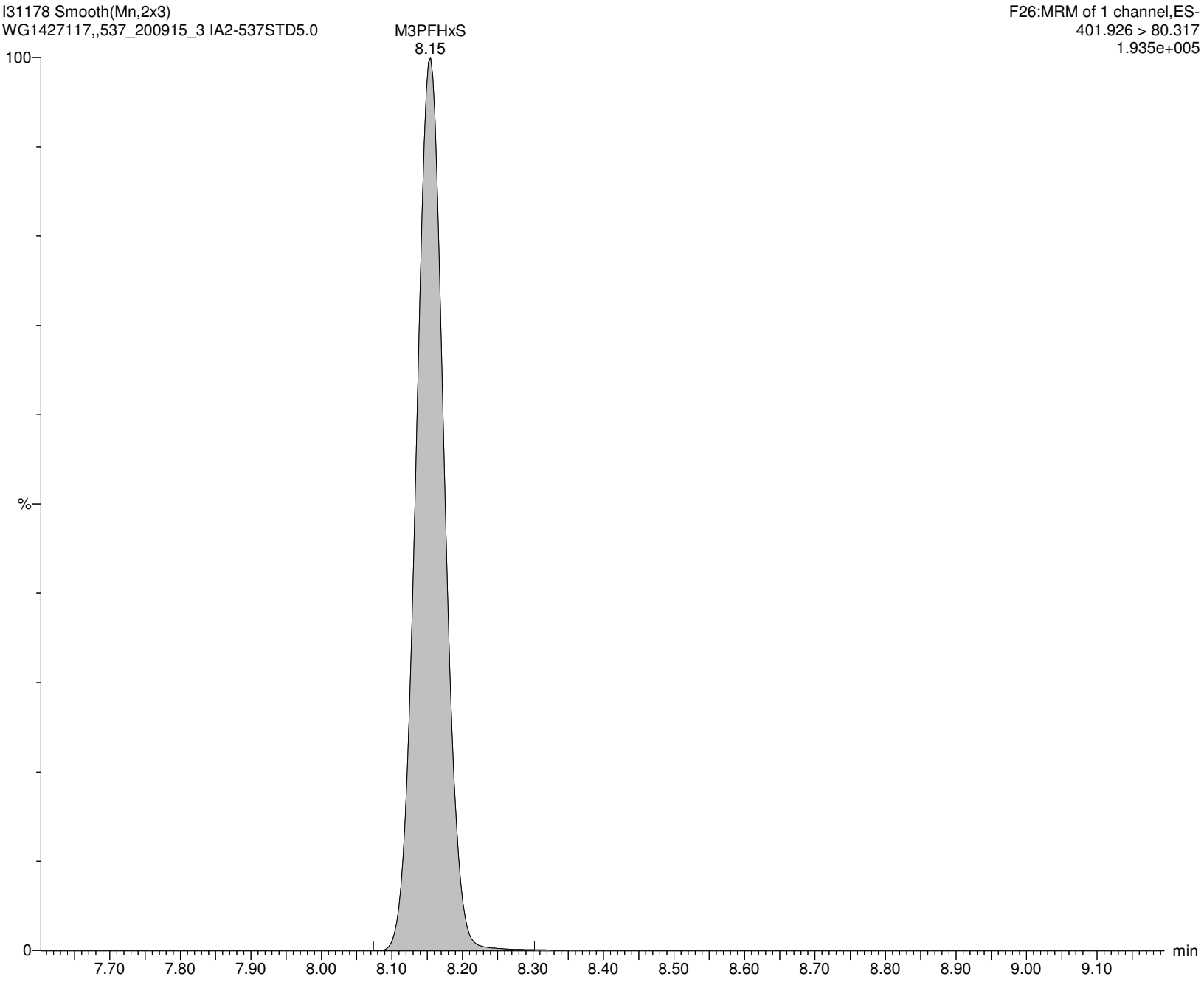

all concentration units in (ng/mL)

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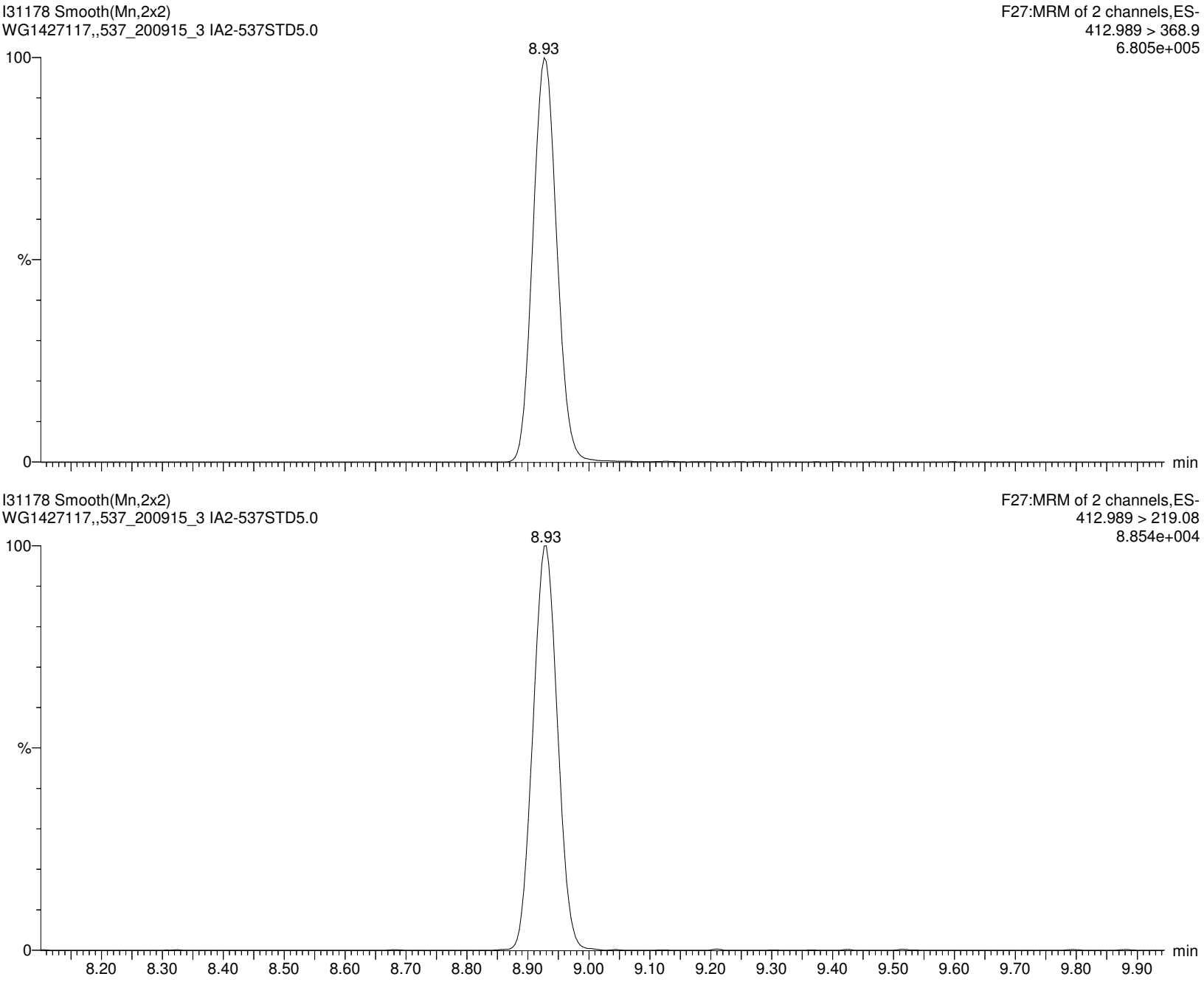

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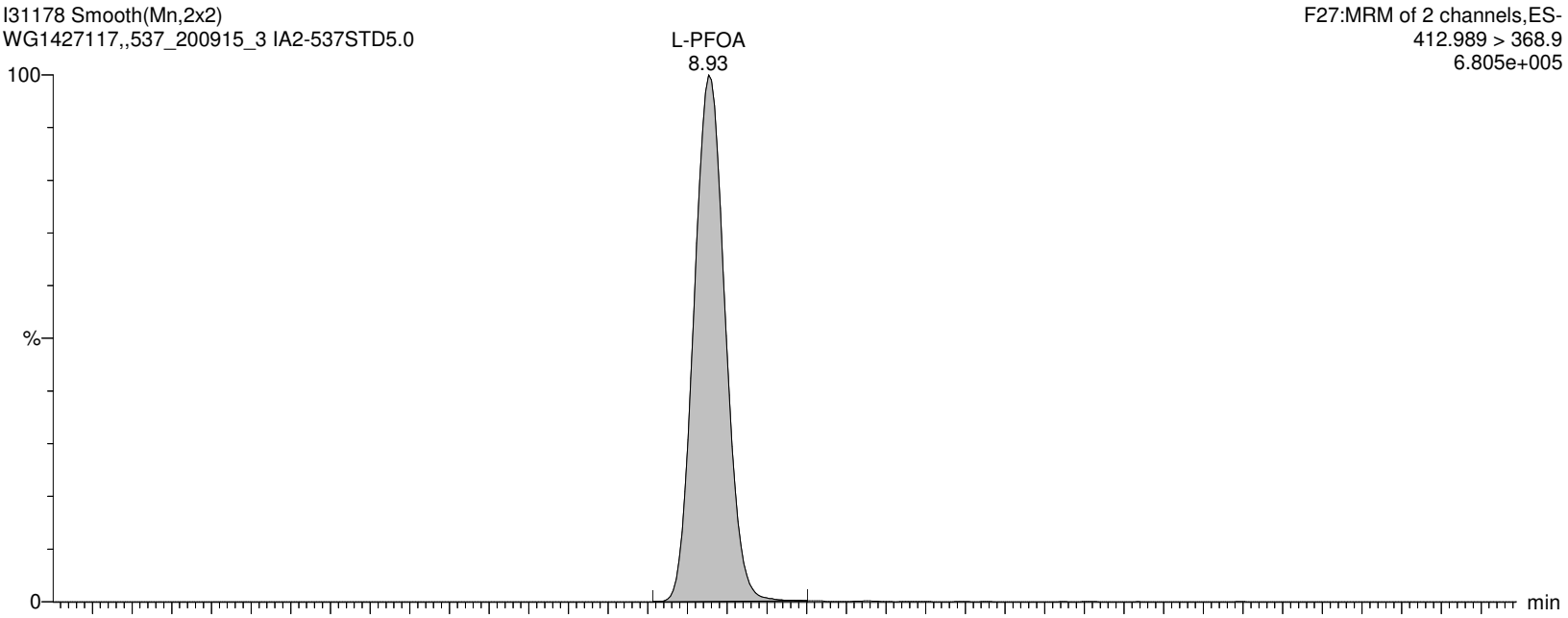

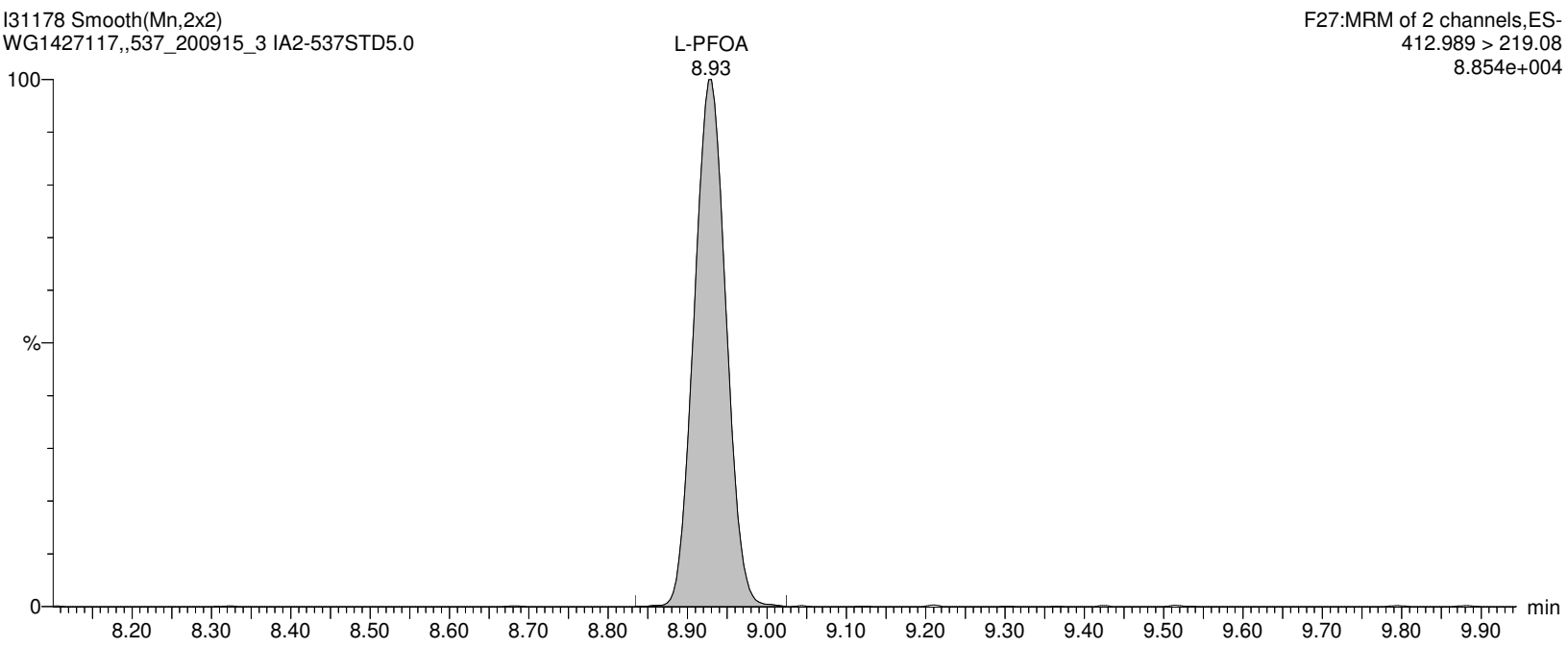

all concentration units in (ng/mL)

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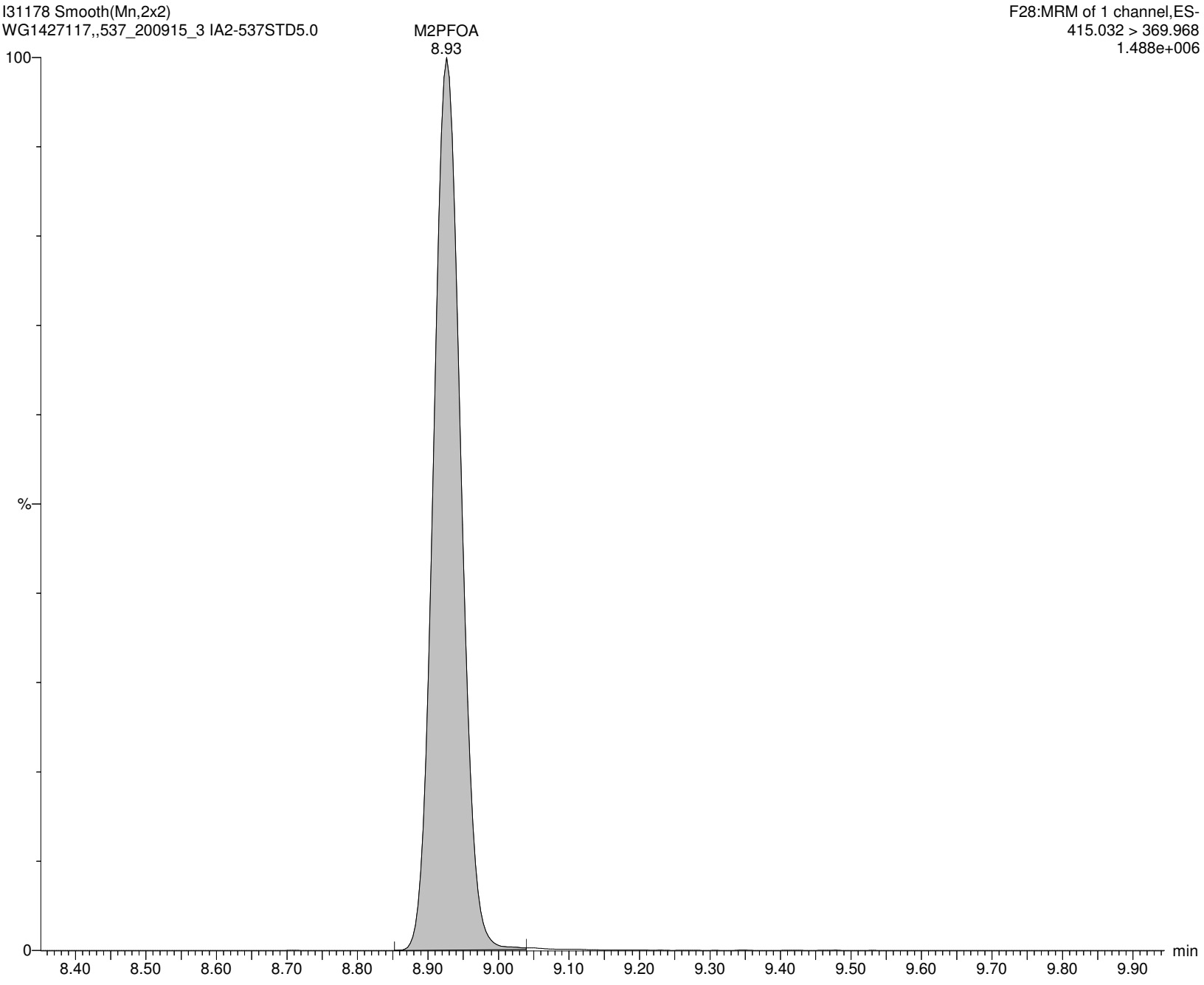

all concentration units in (ng/mL)

Alpha Analytical Inc.
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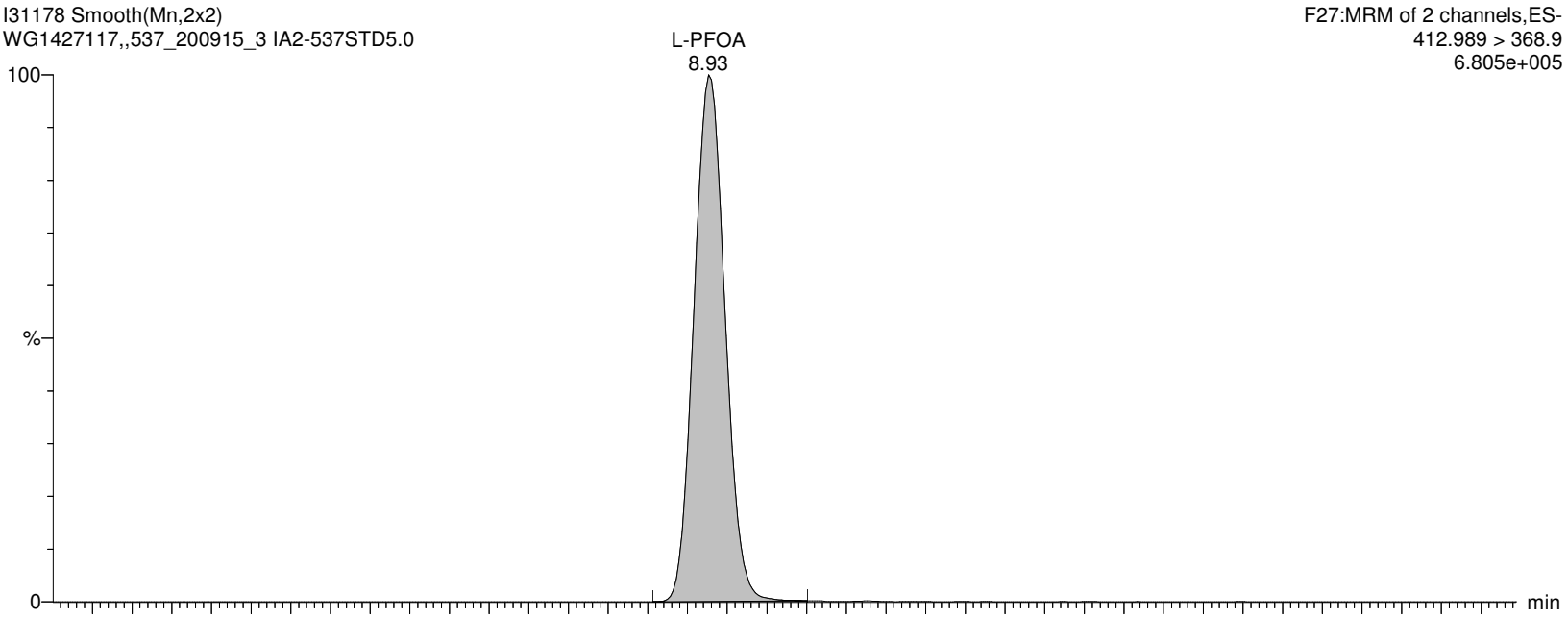

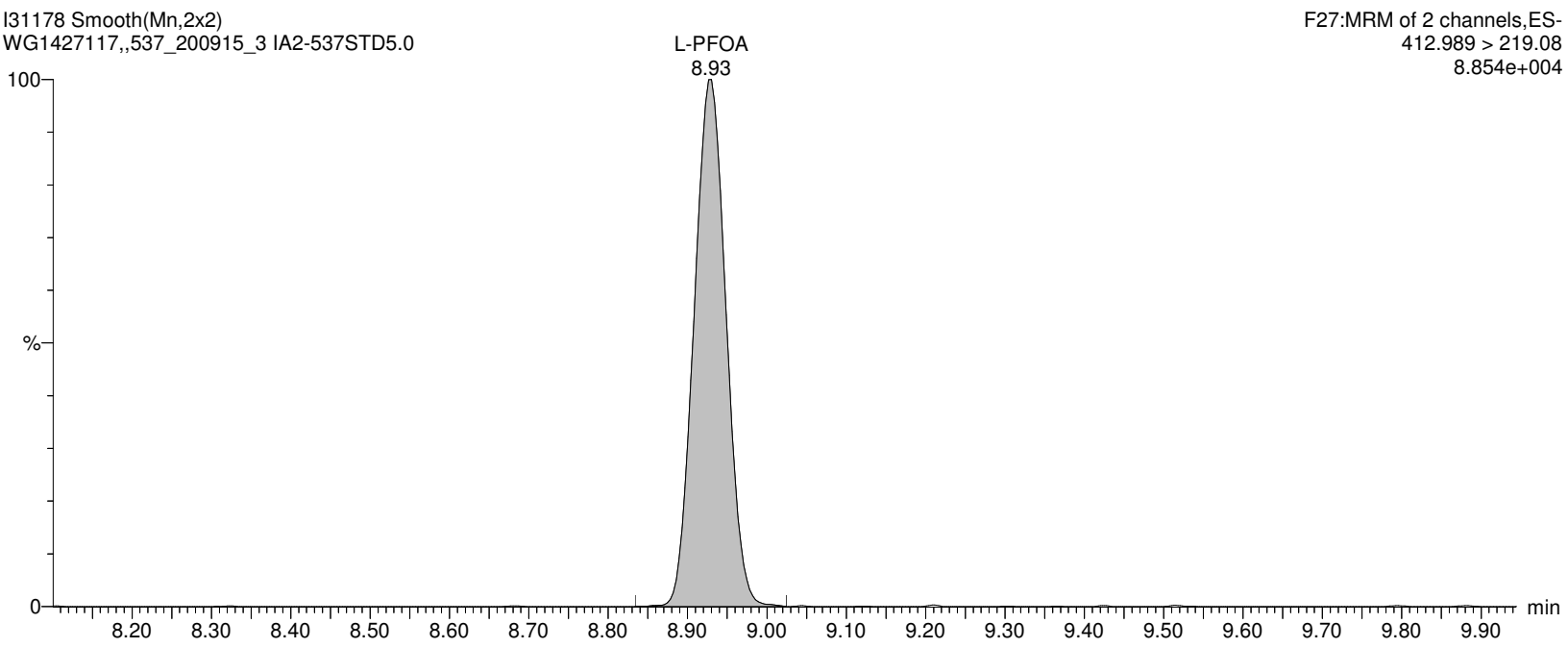

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
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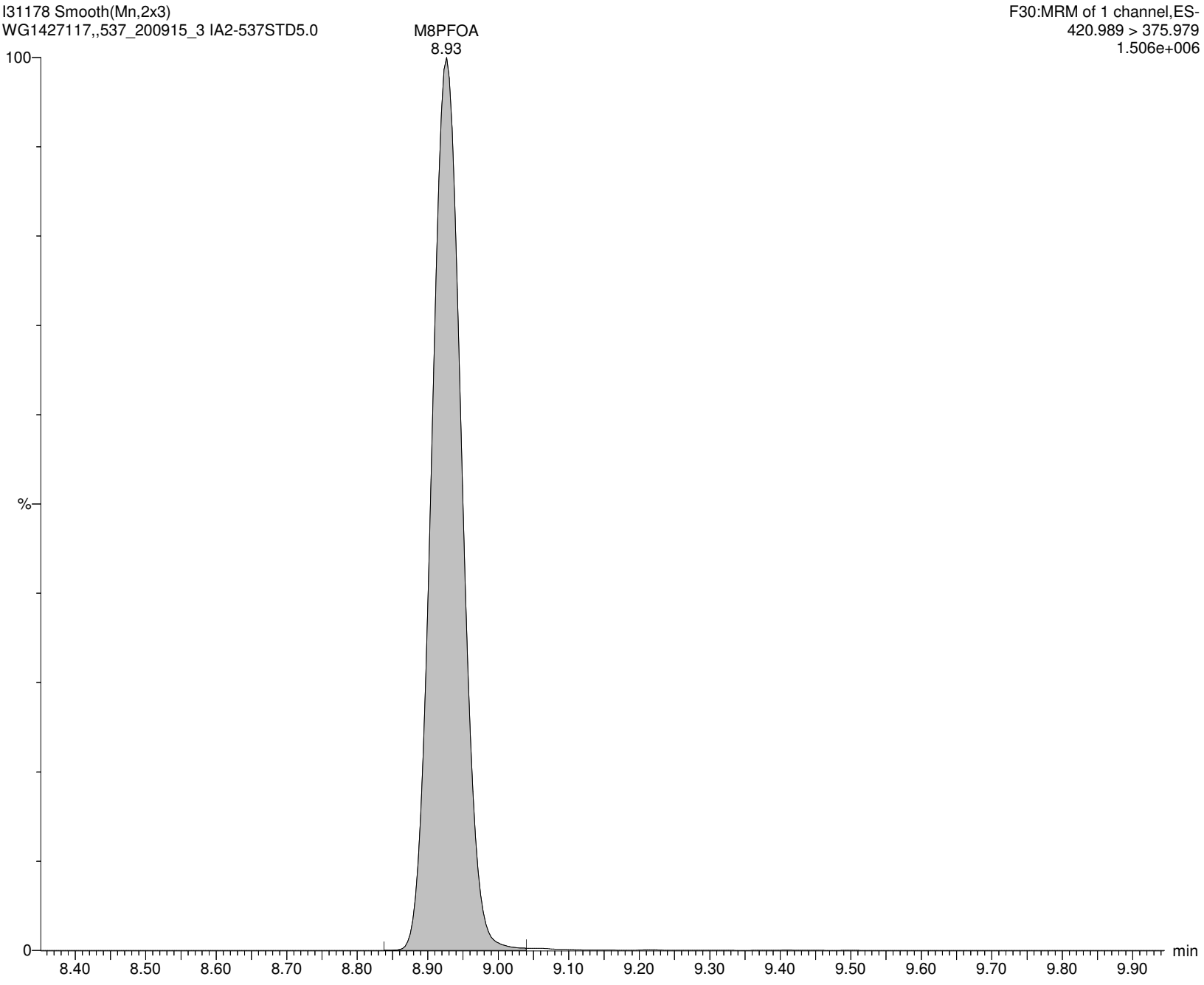

all concentration units in (ng/mL)

Alpha Analytical Inc.
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Date: 27-Oct-2020
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MS Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

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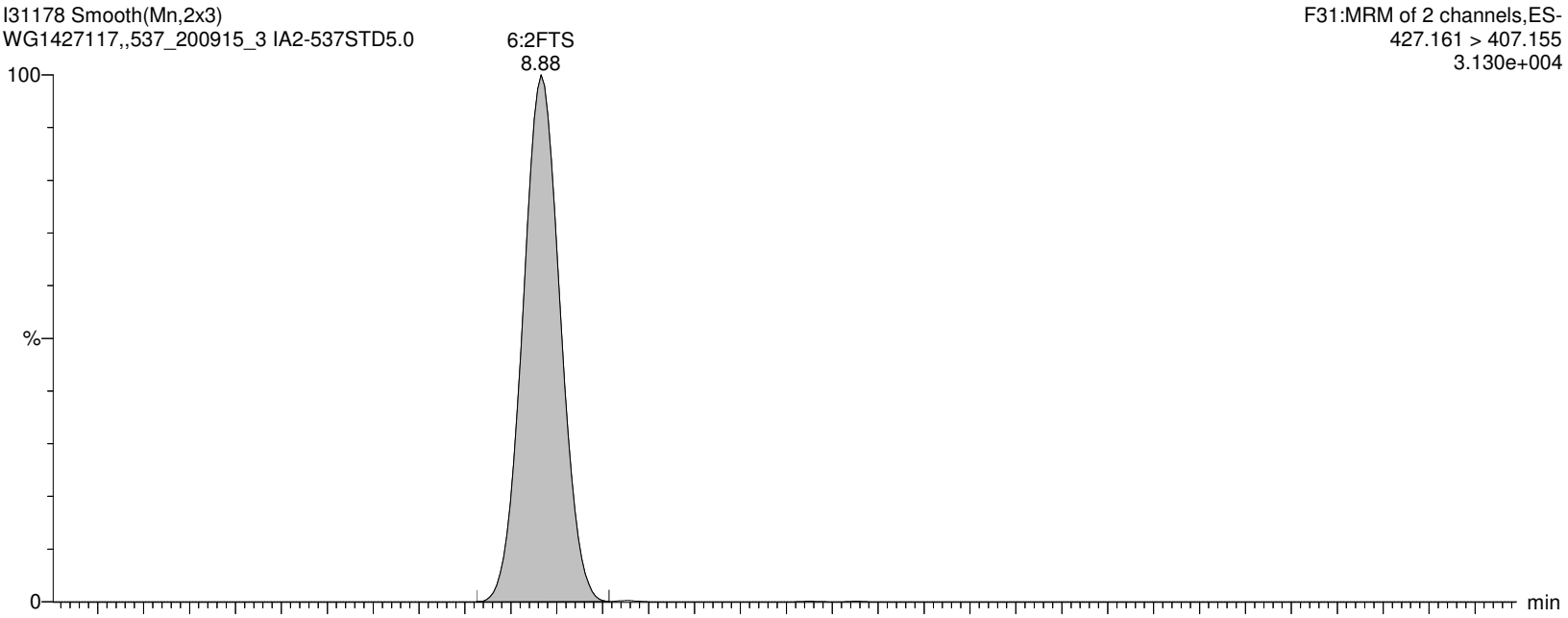

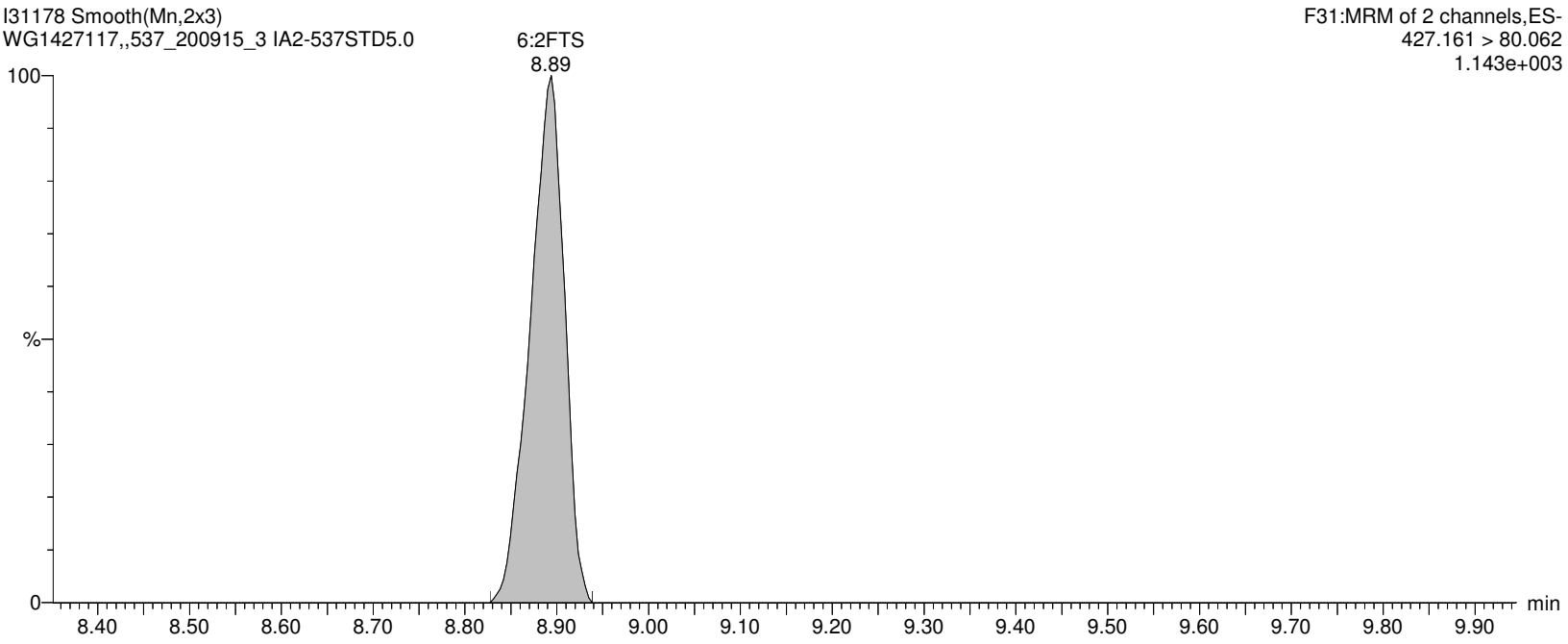

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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Name: I31178
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Date: 27-Oct-2020
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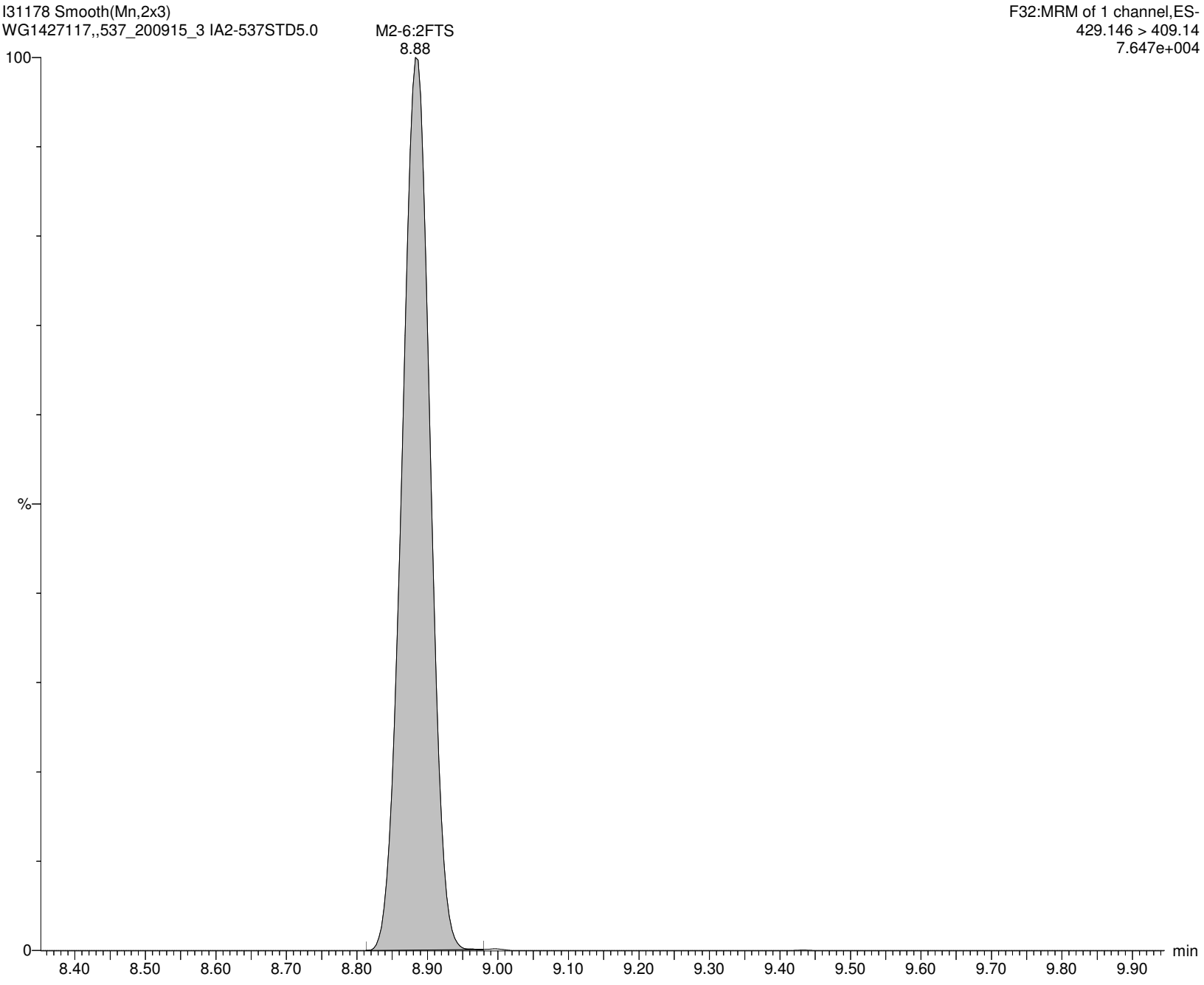
M2-6:2FTS



all concentration units in (ng/mL)

Alpha Analytical Inc.
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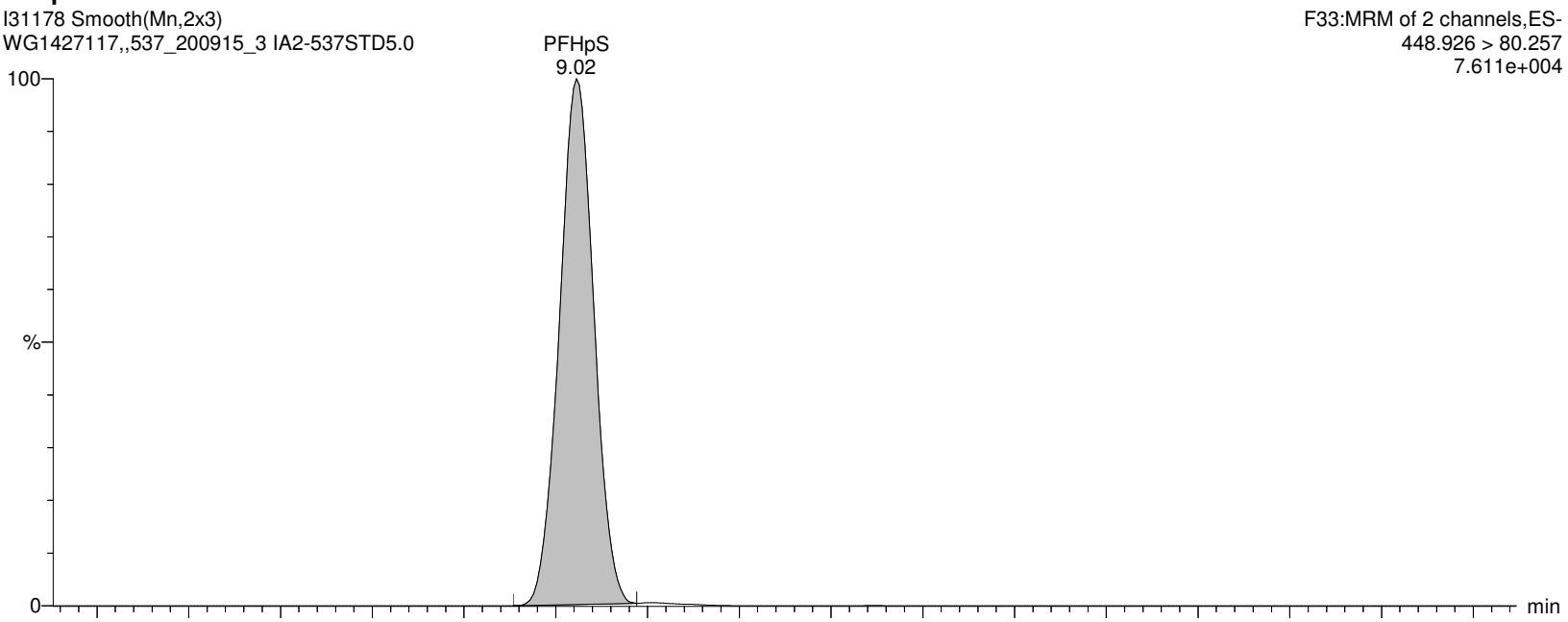

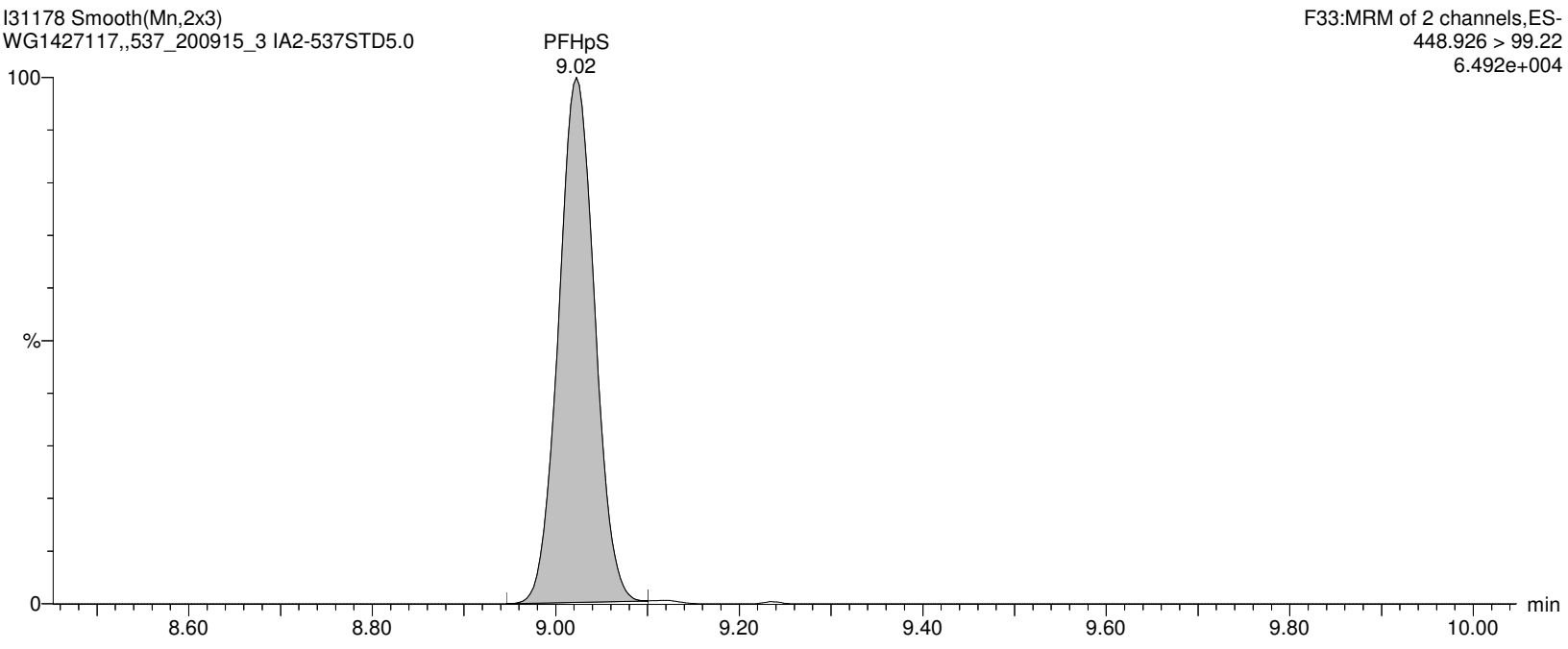

all concentration units in (ng/mL)

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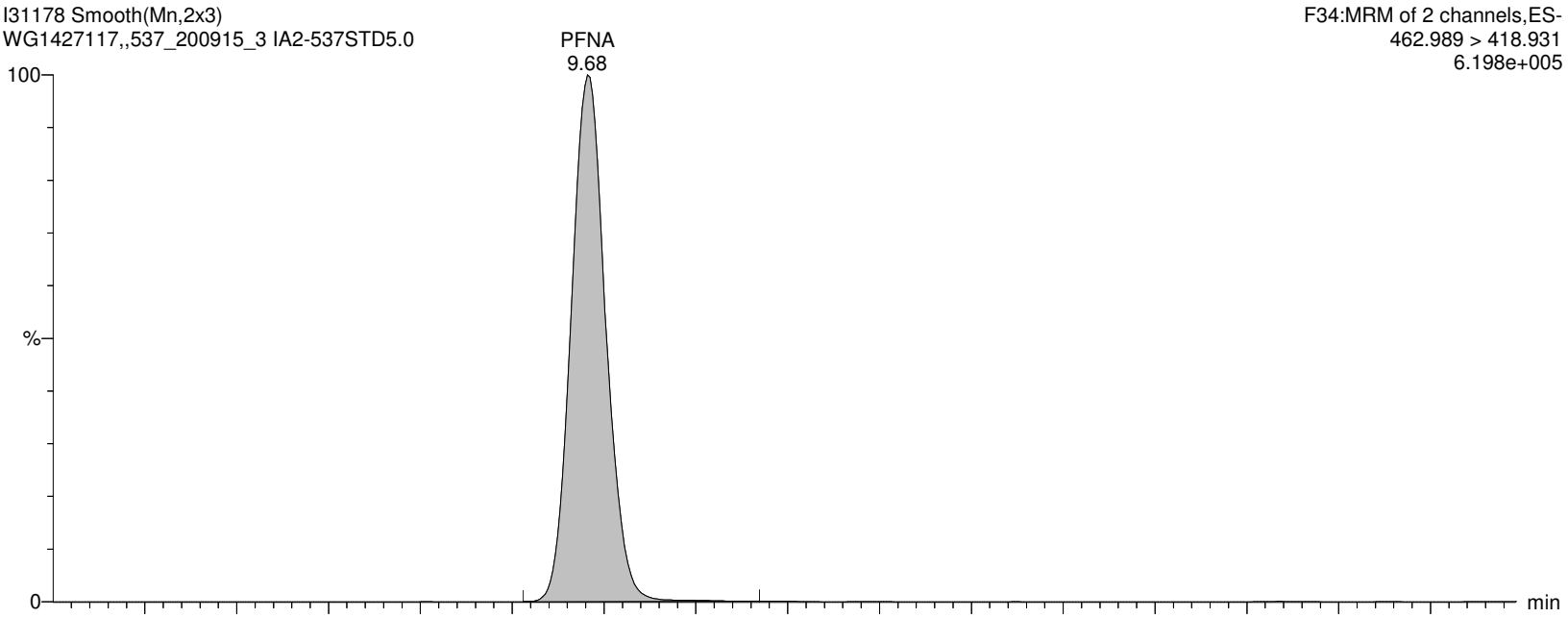
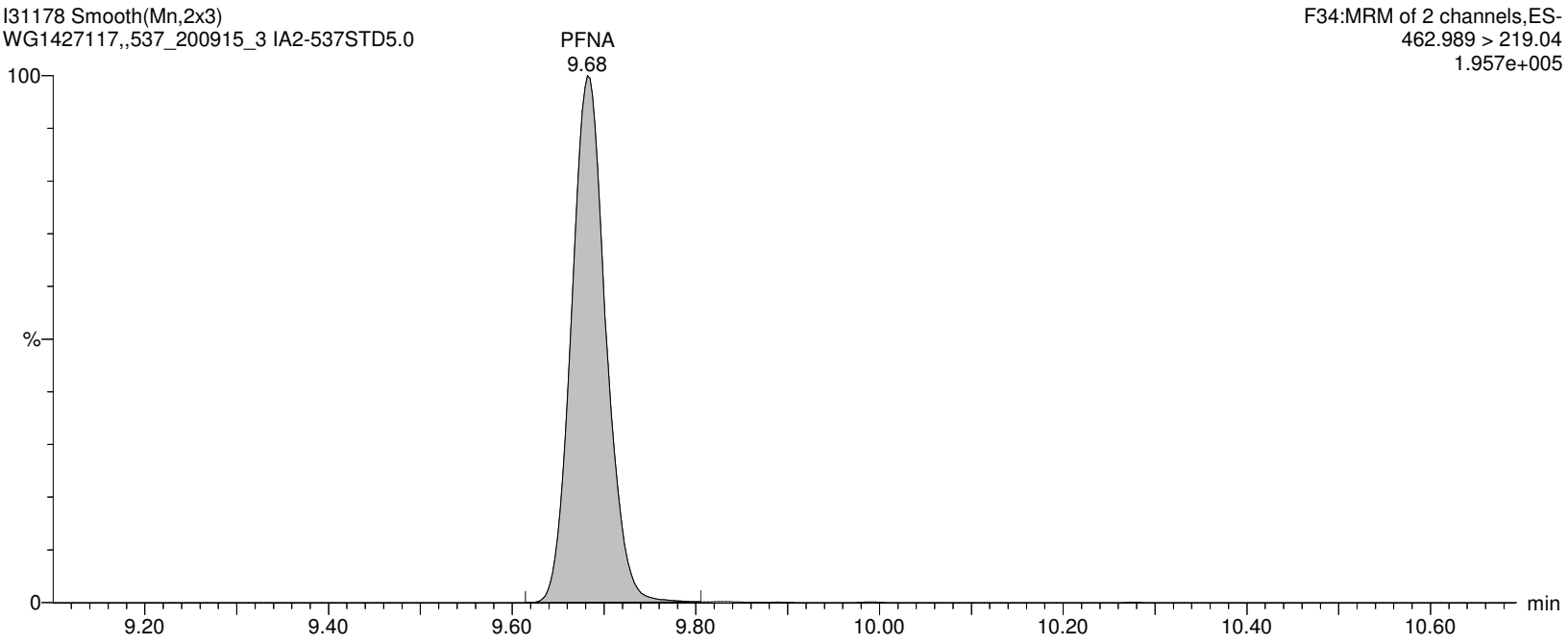
PFNA





all concentration units in (ng/mL)

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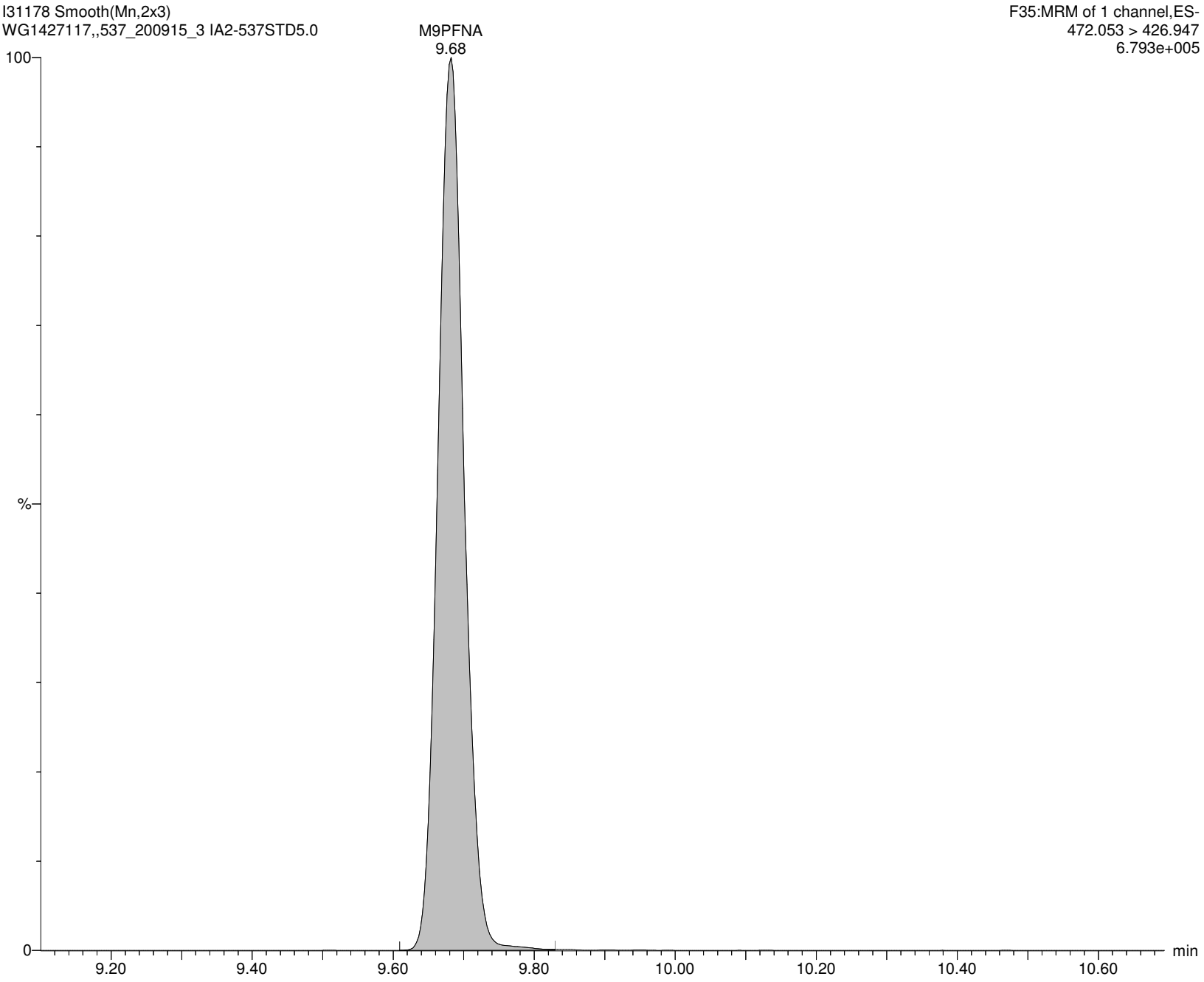

all concentration units in (ng/mL)

Alpha Analytical Inc.
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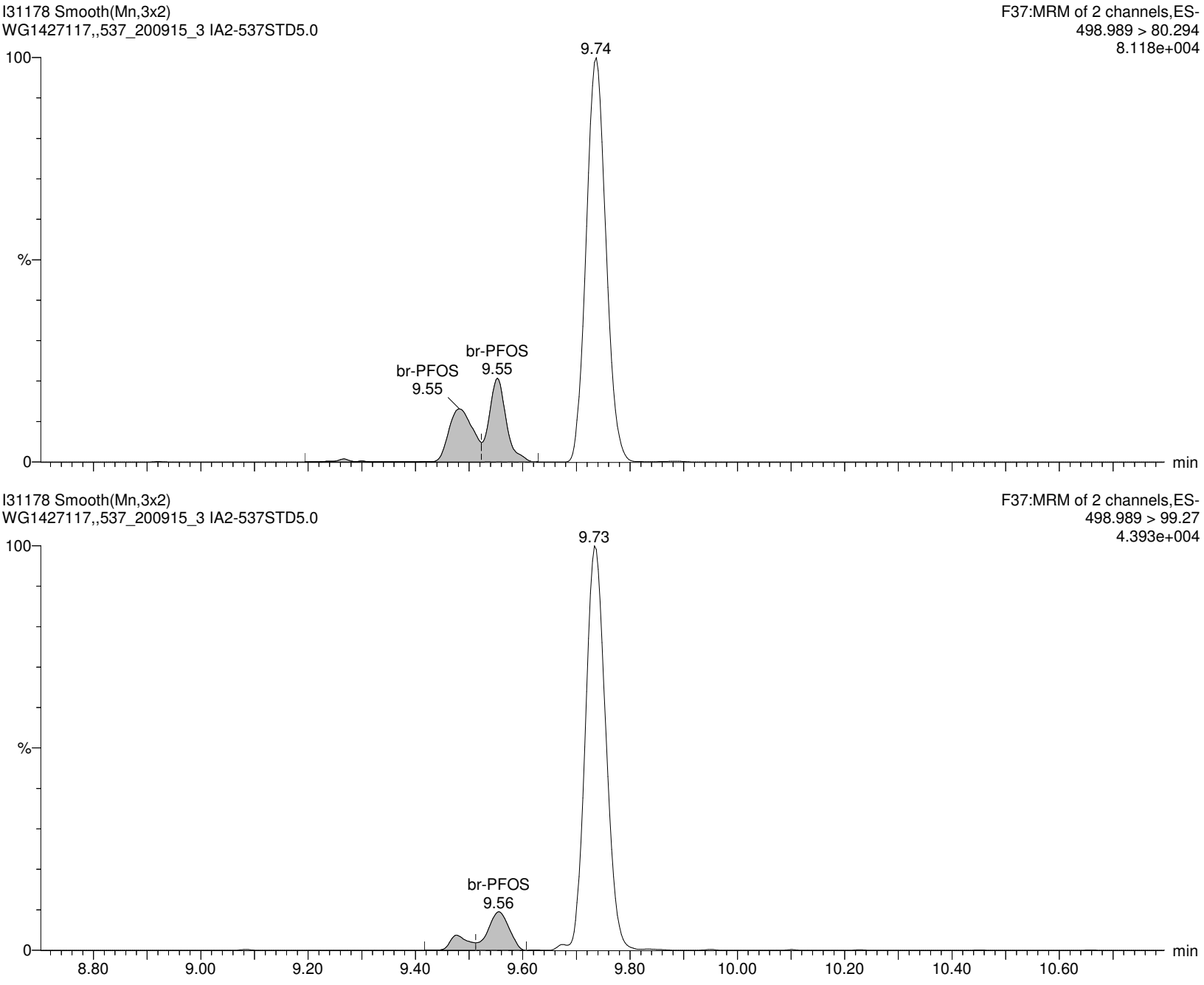

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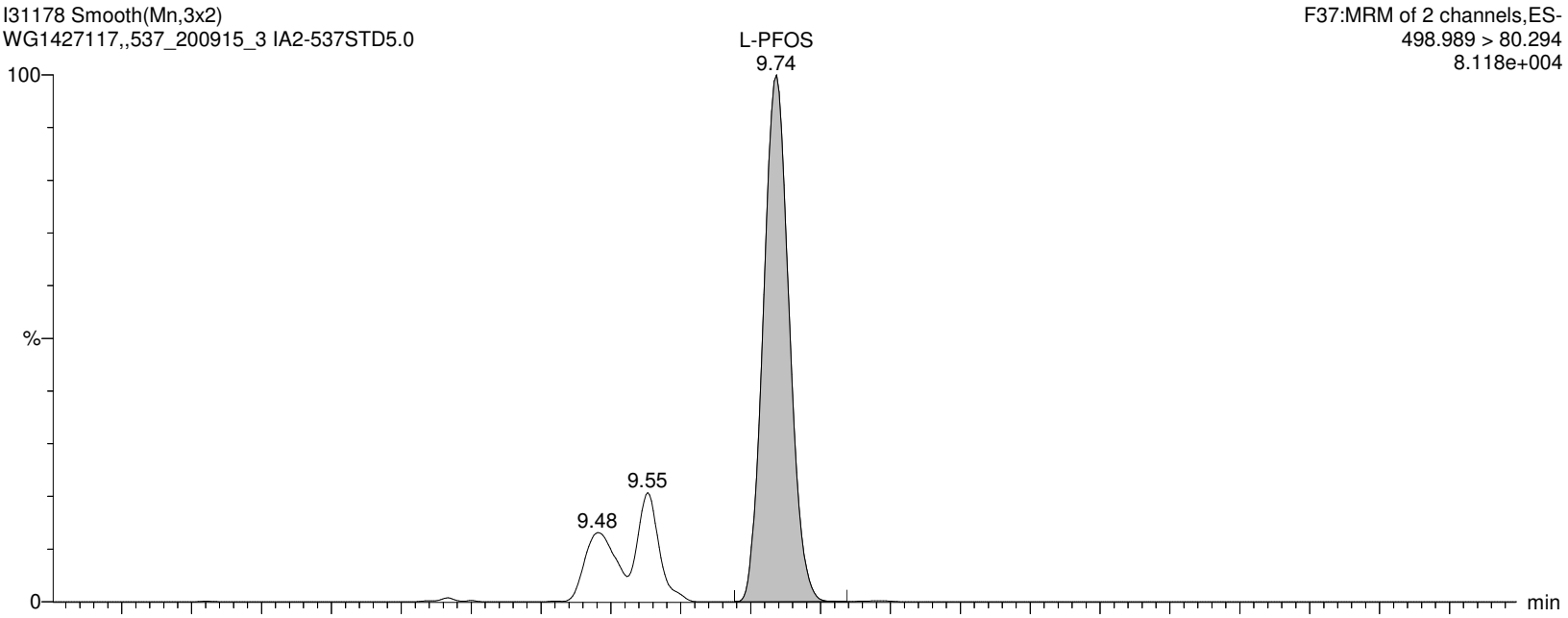

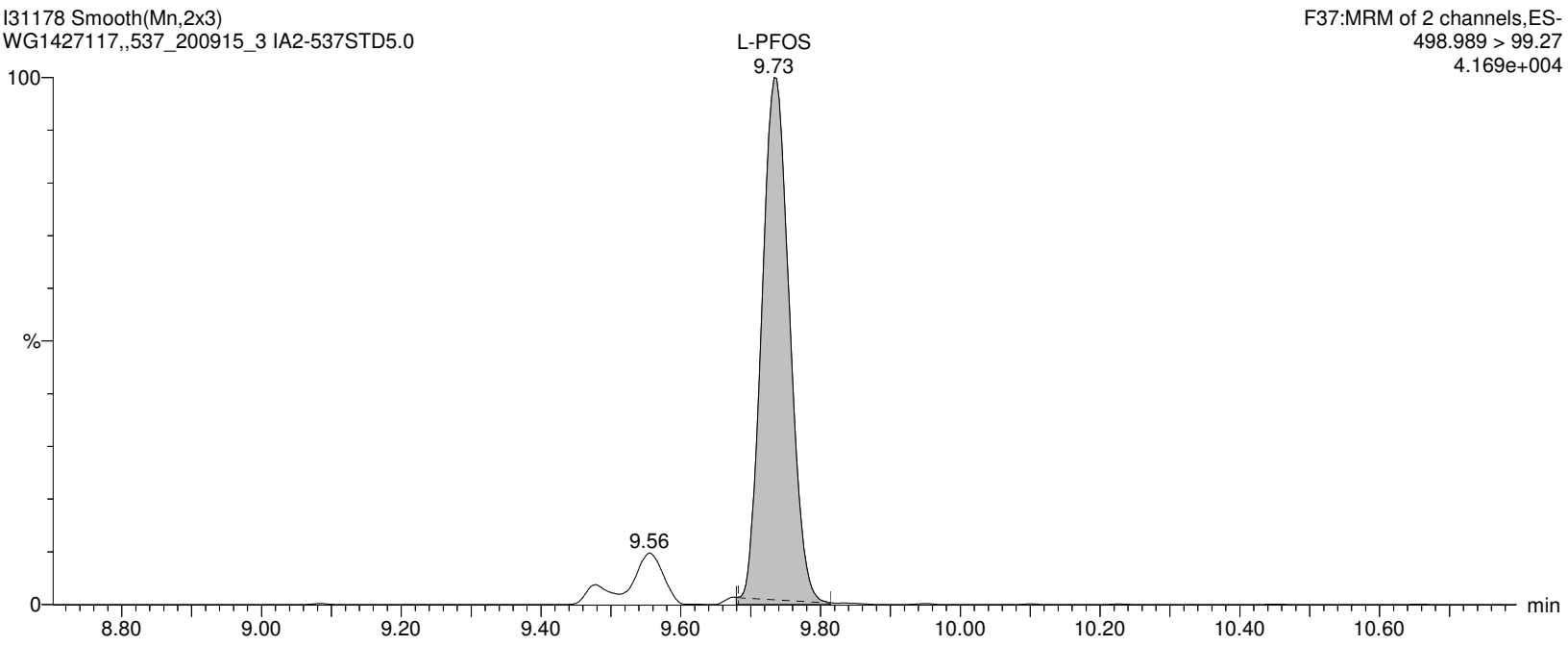

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:15:48 Eastern Daylight Time

Name: I31178
ID: IA2-537STD5.0
Date: 27-Oct-2020
Time: 18:13:43
Description: WG1427117,,537_200915_3
User: LCMS02:JW
Vial: 1:A,4
Instrument: XEVO-TQSmicro#QEB0050
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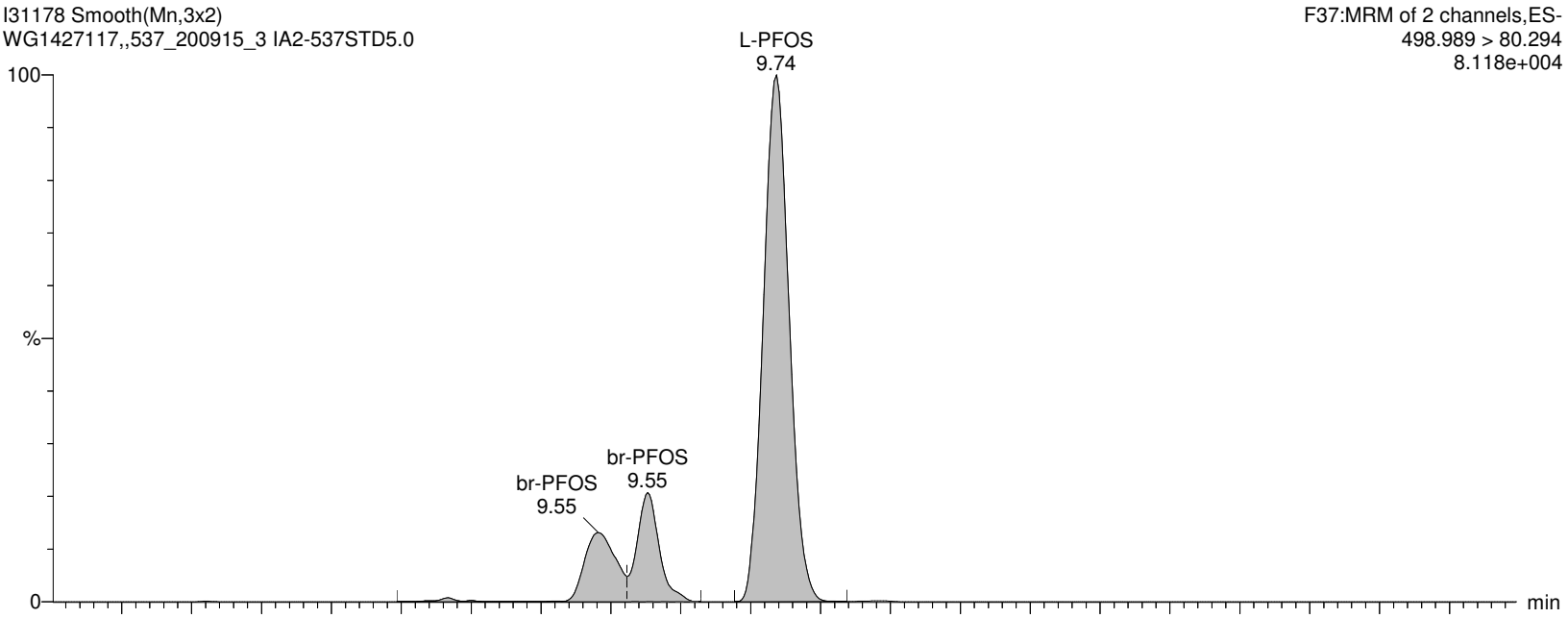

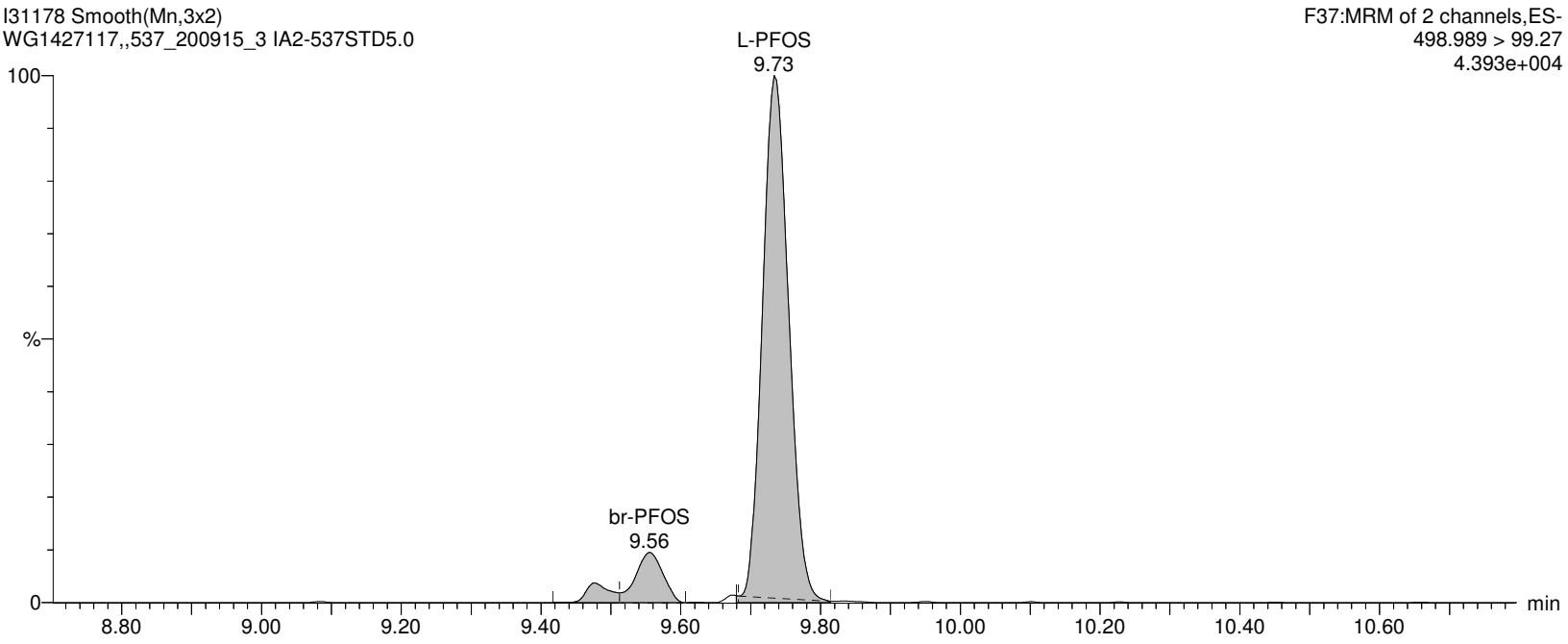

all concentration units in (ng/mL)

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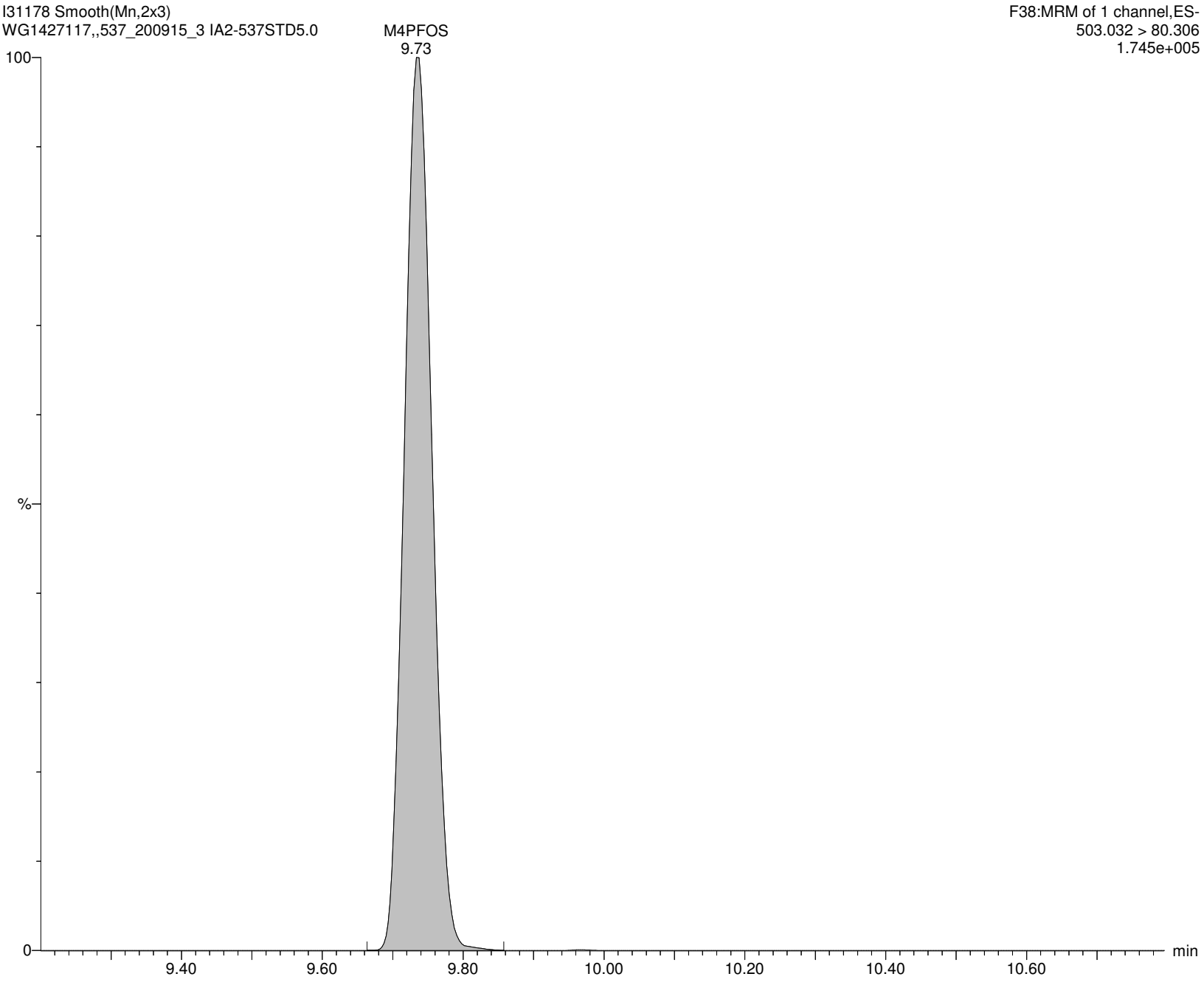

all concentration units in (ng/mL)

Alpha Analytical Inc.
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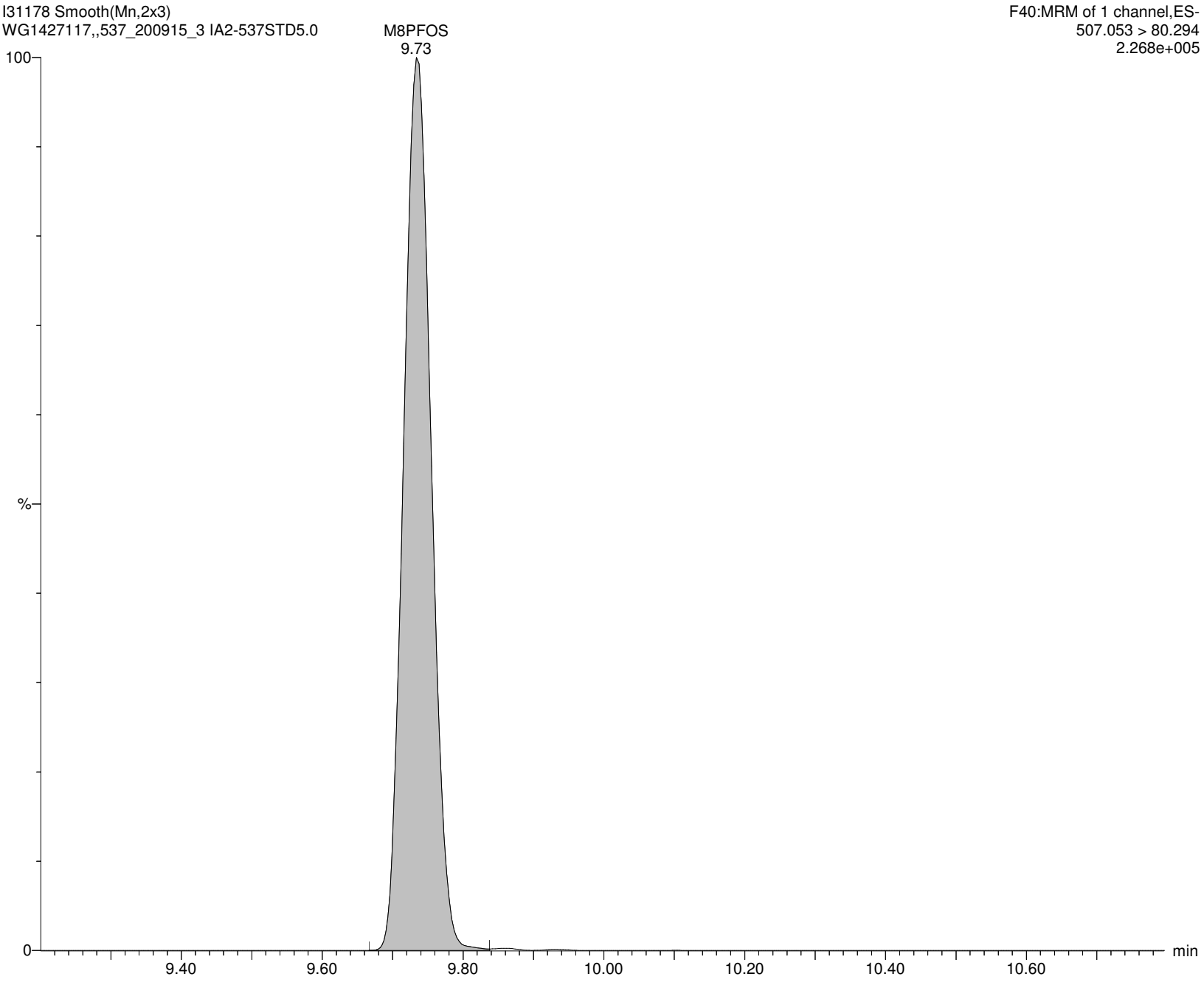

all concentration units in (ng/mL)

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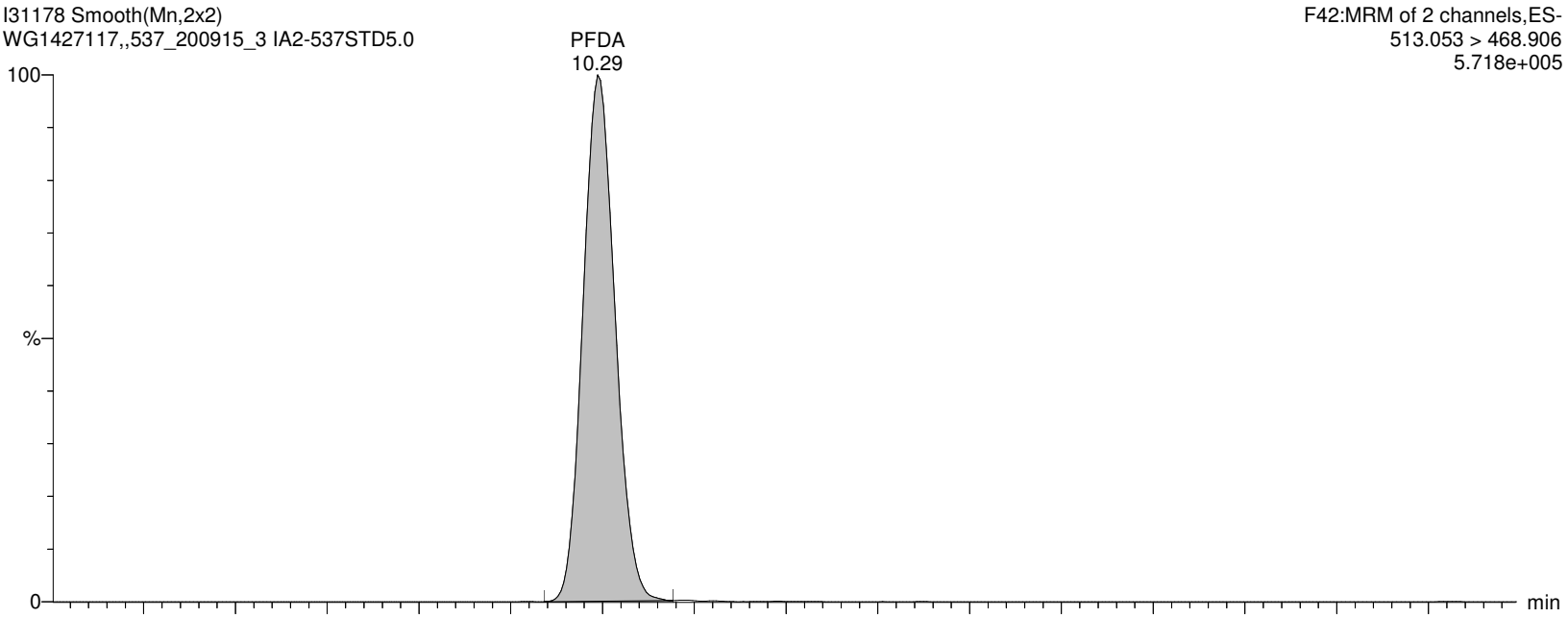

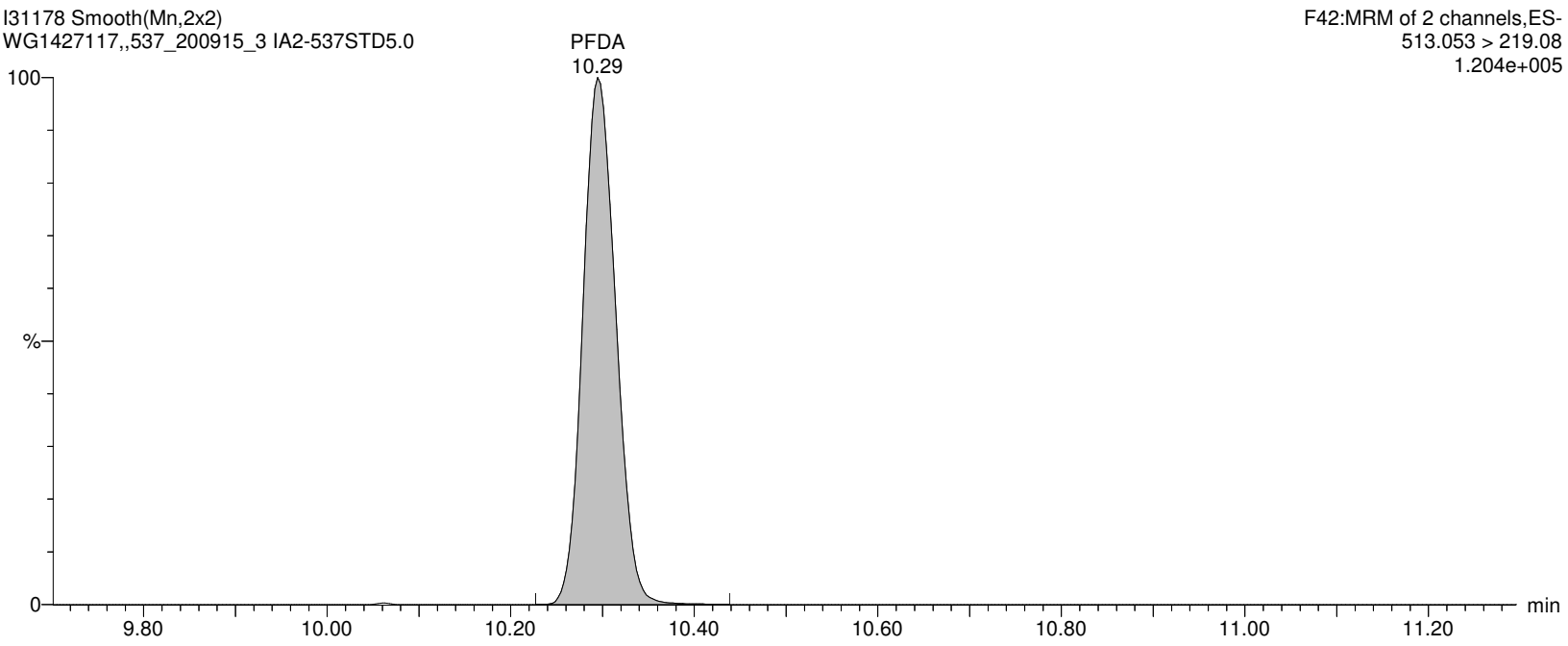

all concentration units in (ng/mL)

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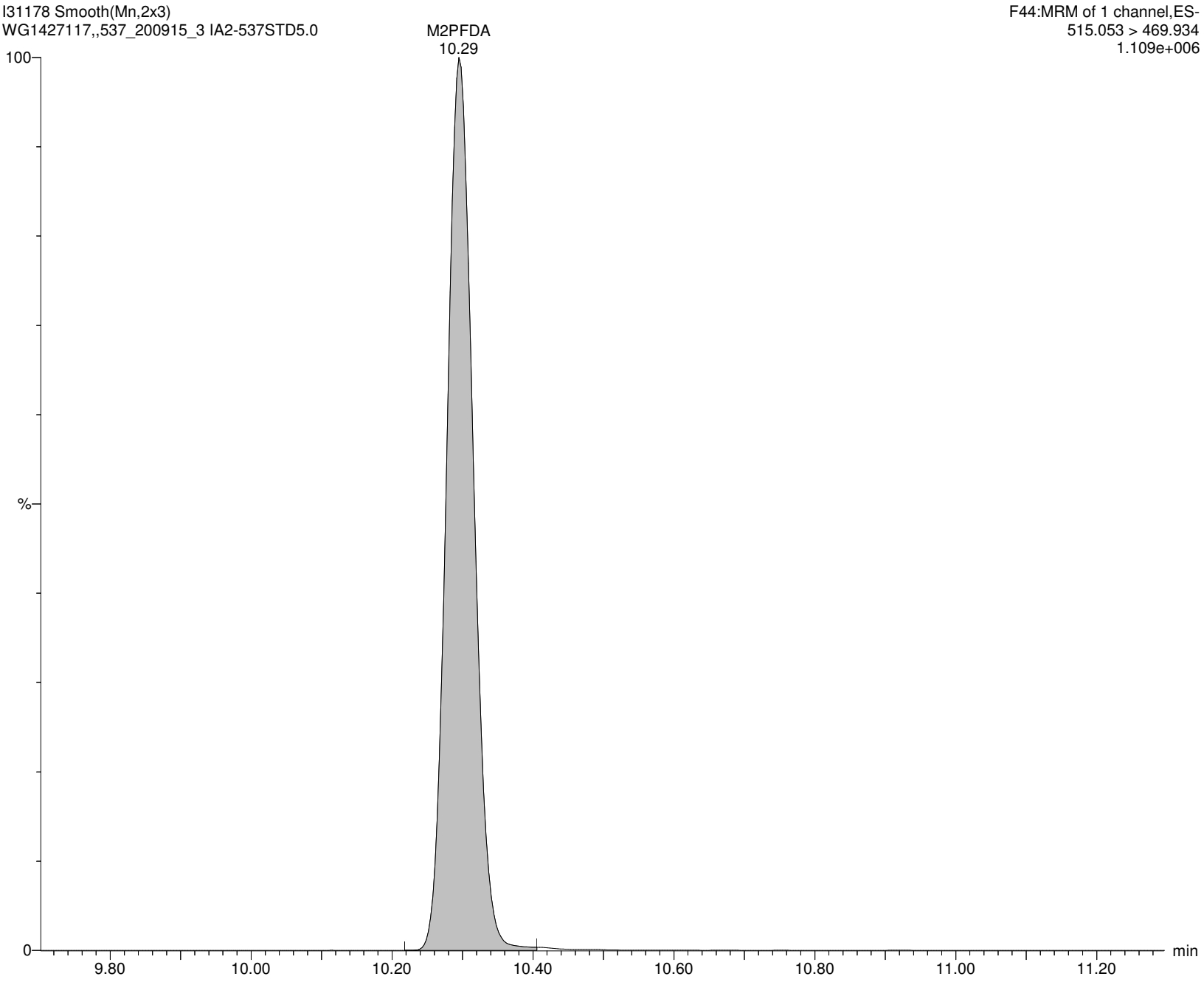

all concentration units in (ng/mL)

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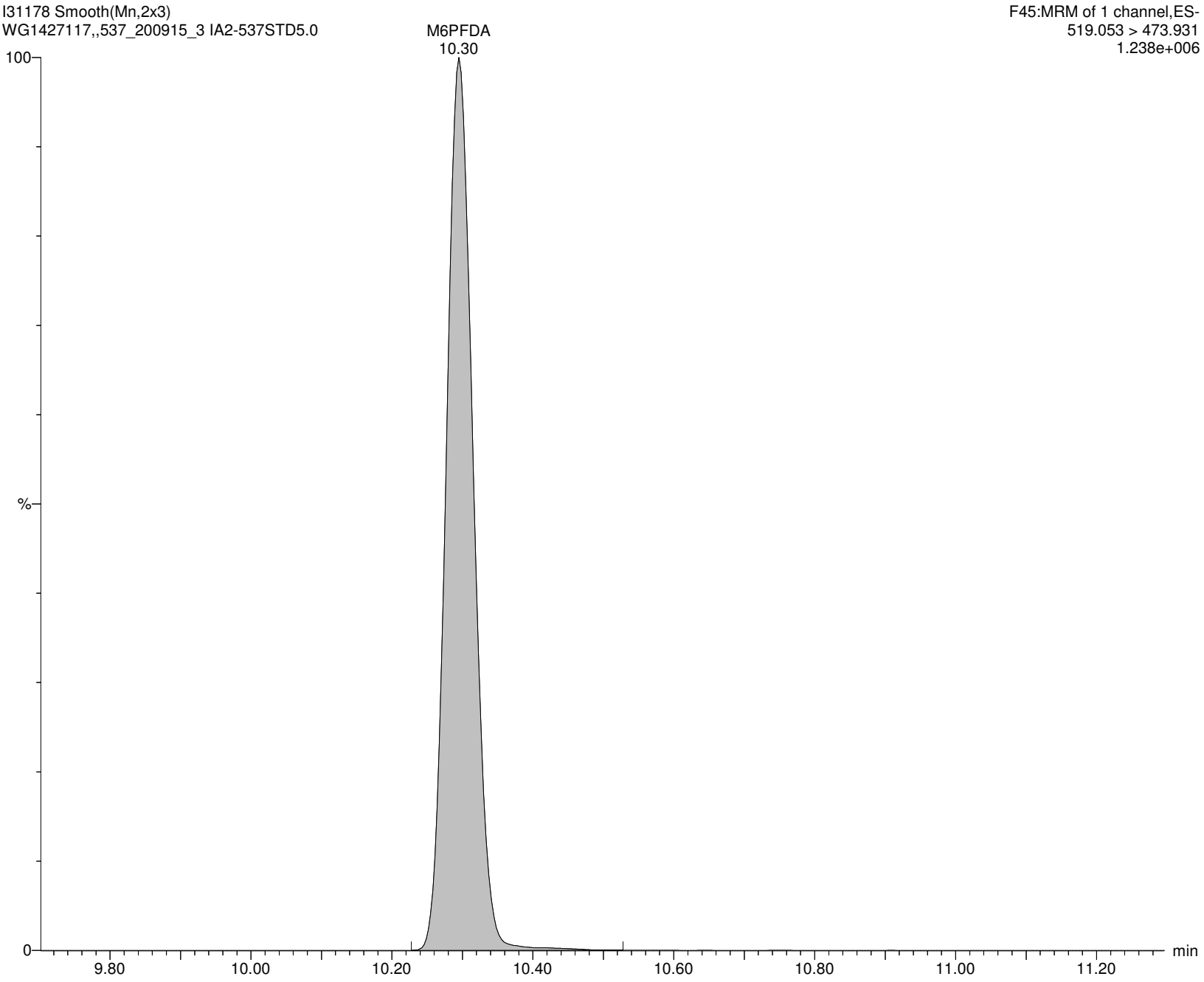

all concentration units in (ng/mL)

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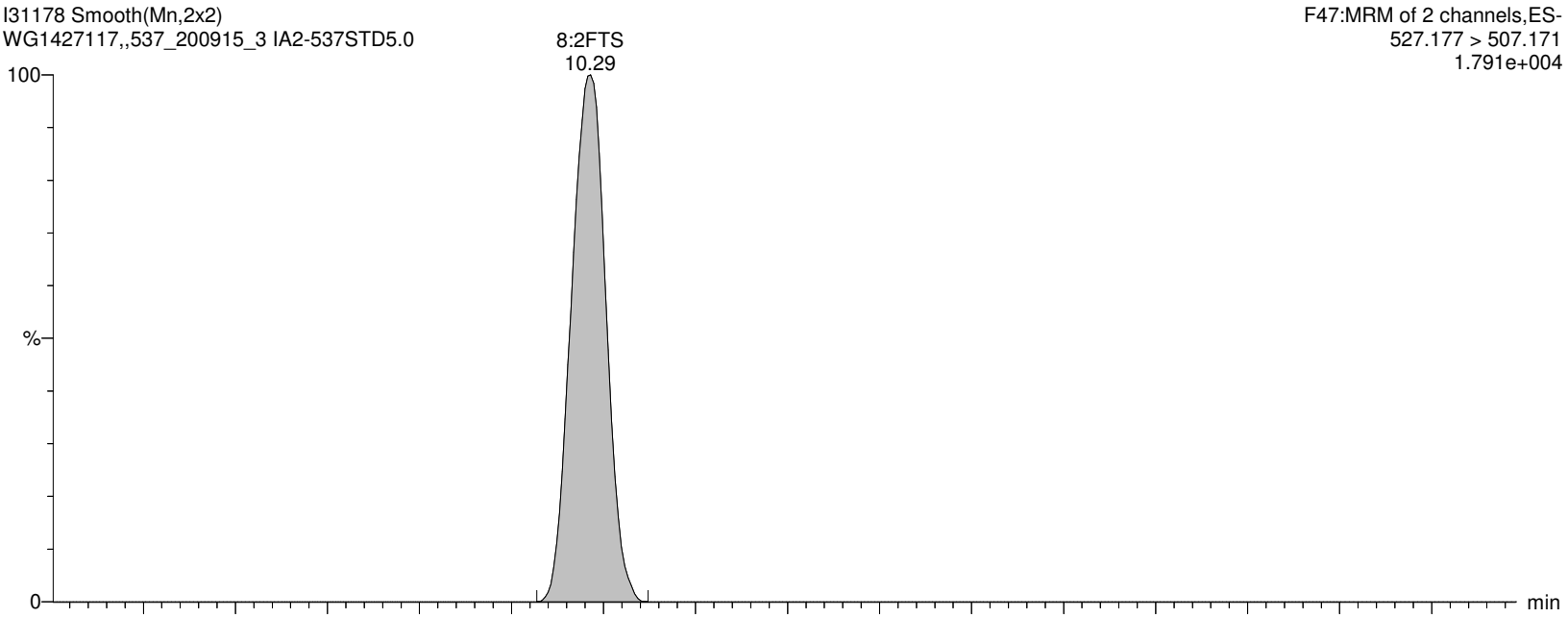

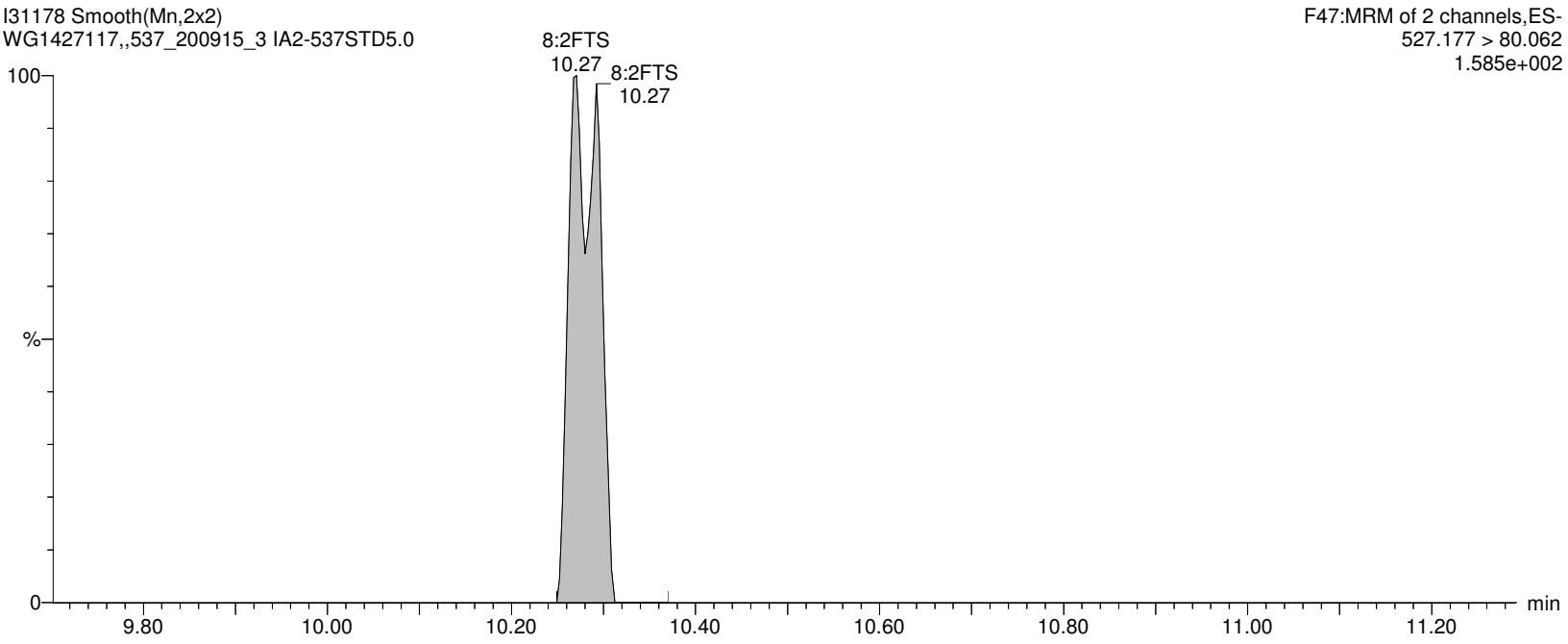

all concentration units in (ng/mL)

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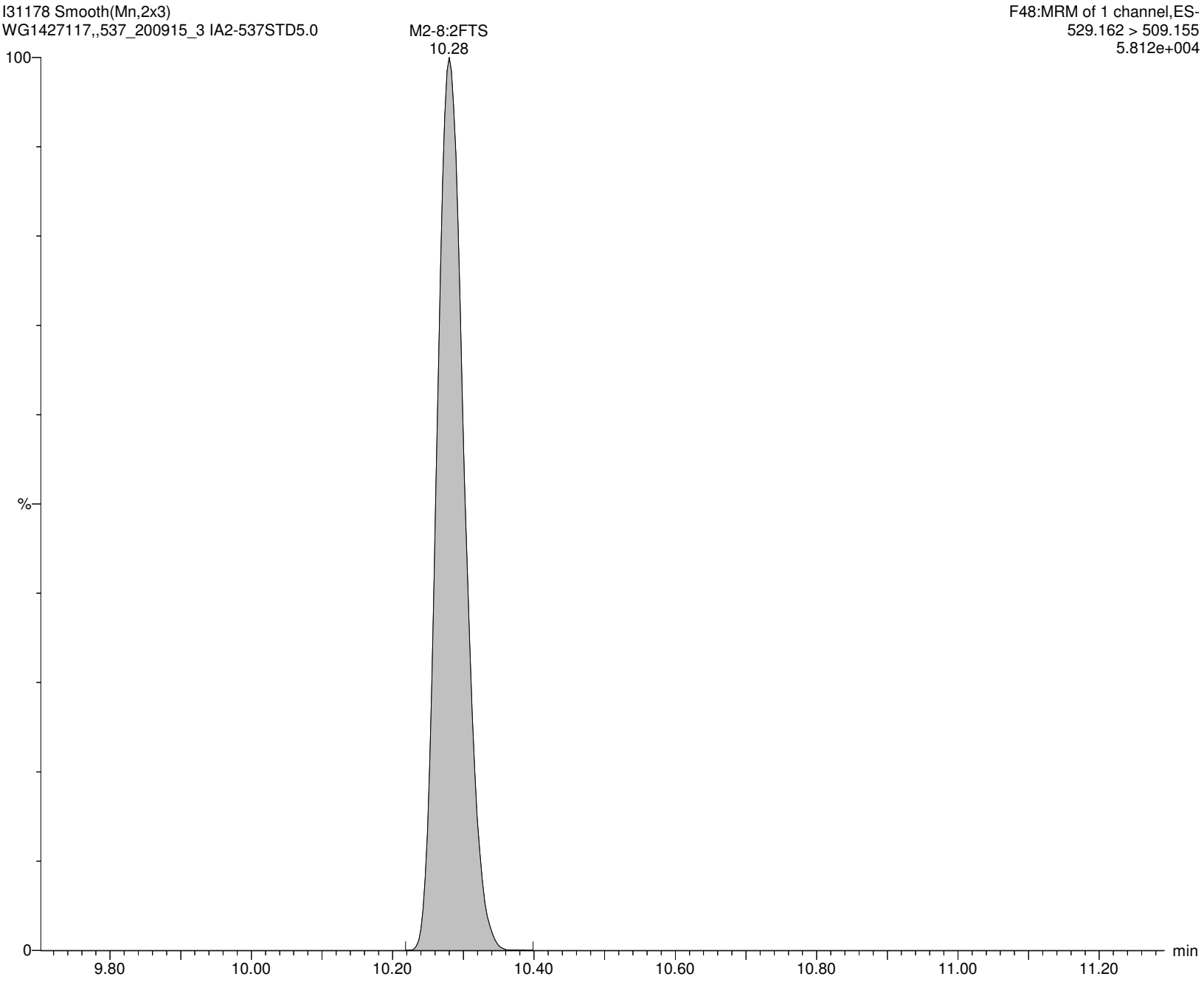

all concentration units in (ng/mL)

Alpha Analytical Inc.
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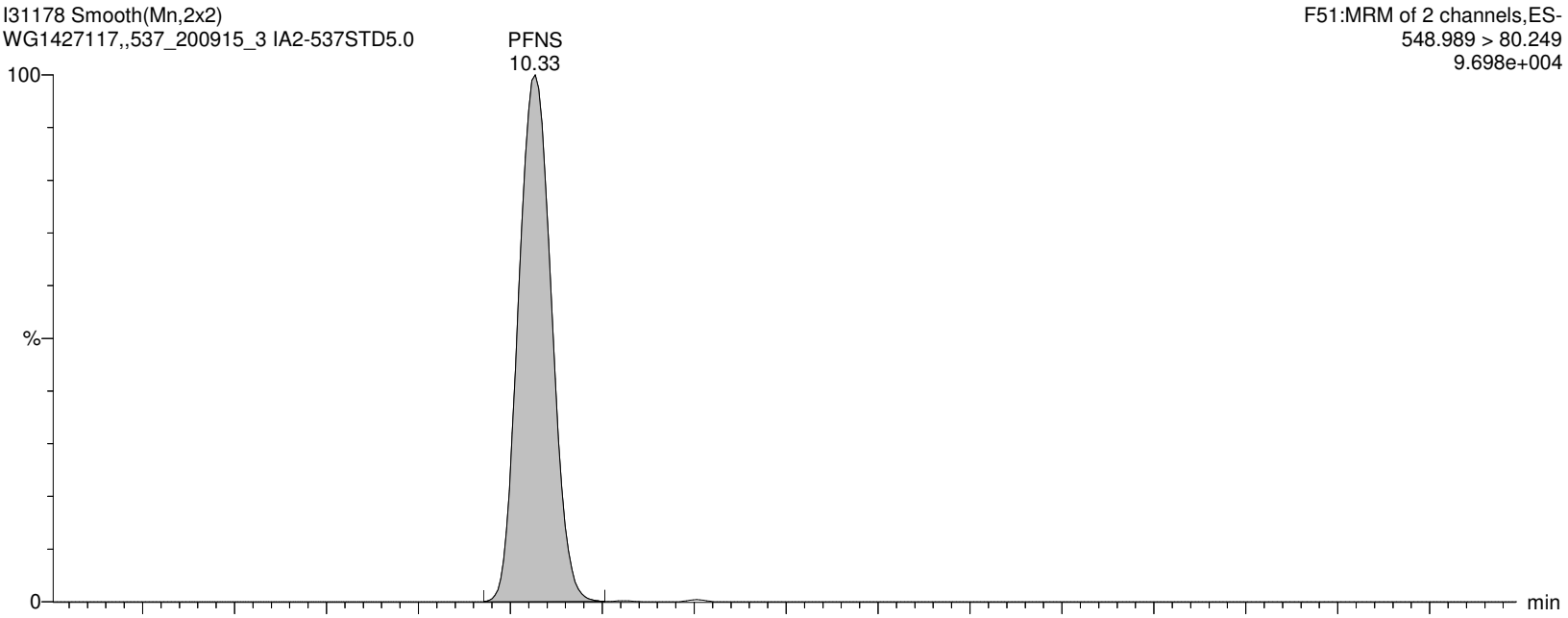

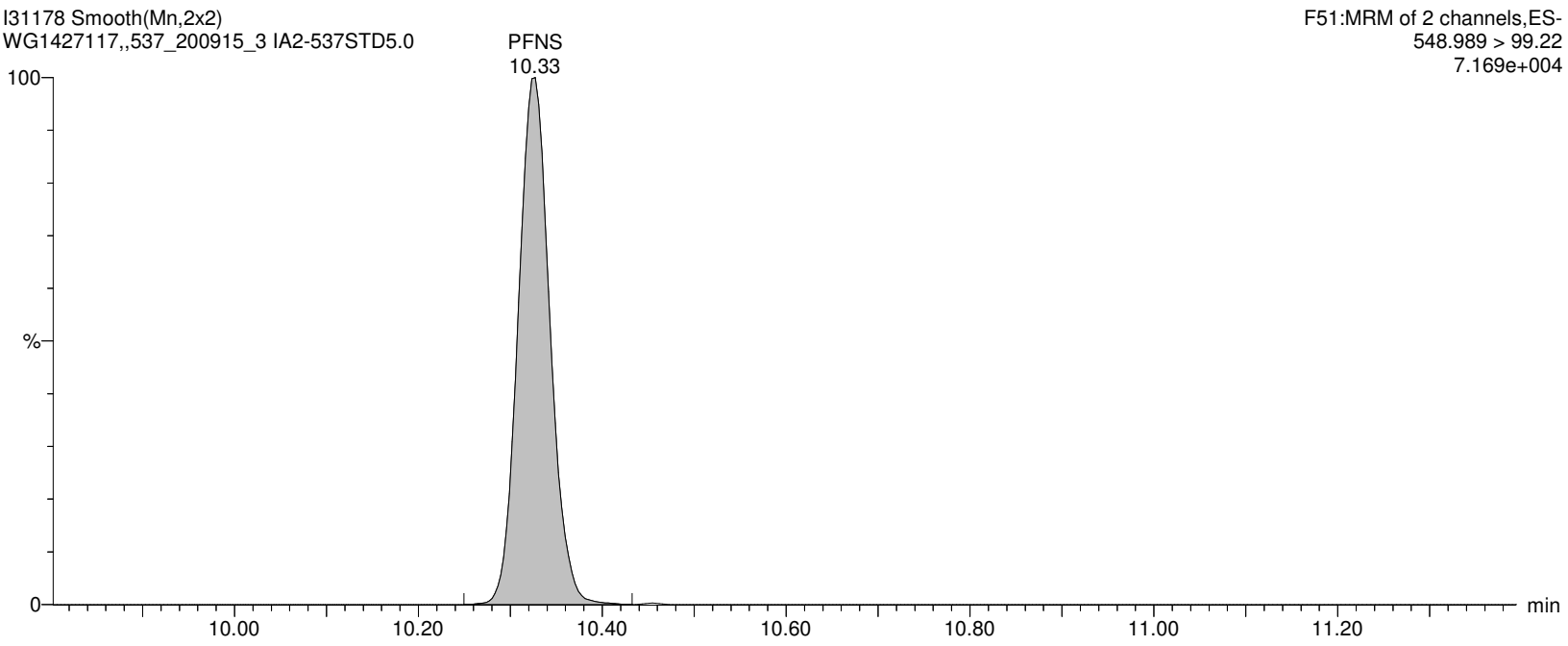

all concentration units in (ng/mL)

Alpha Analytical Inc.
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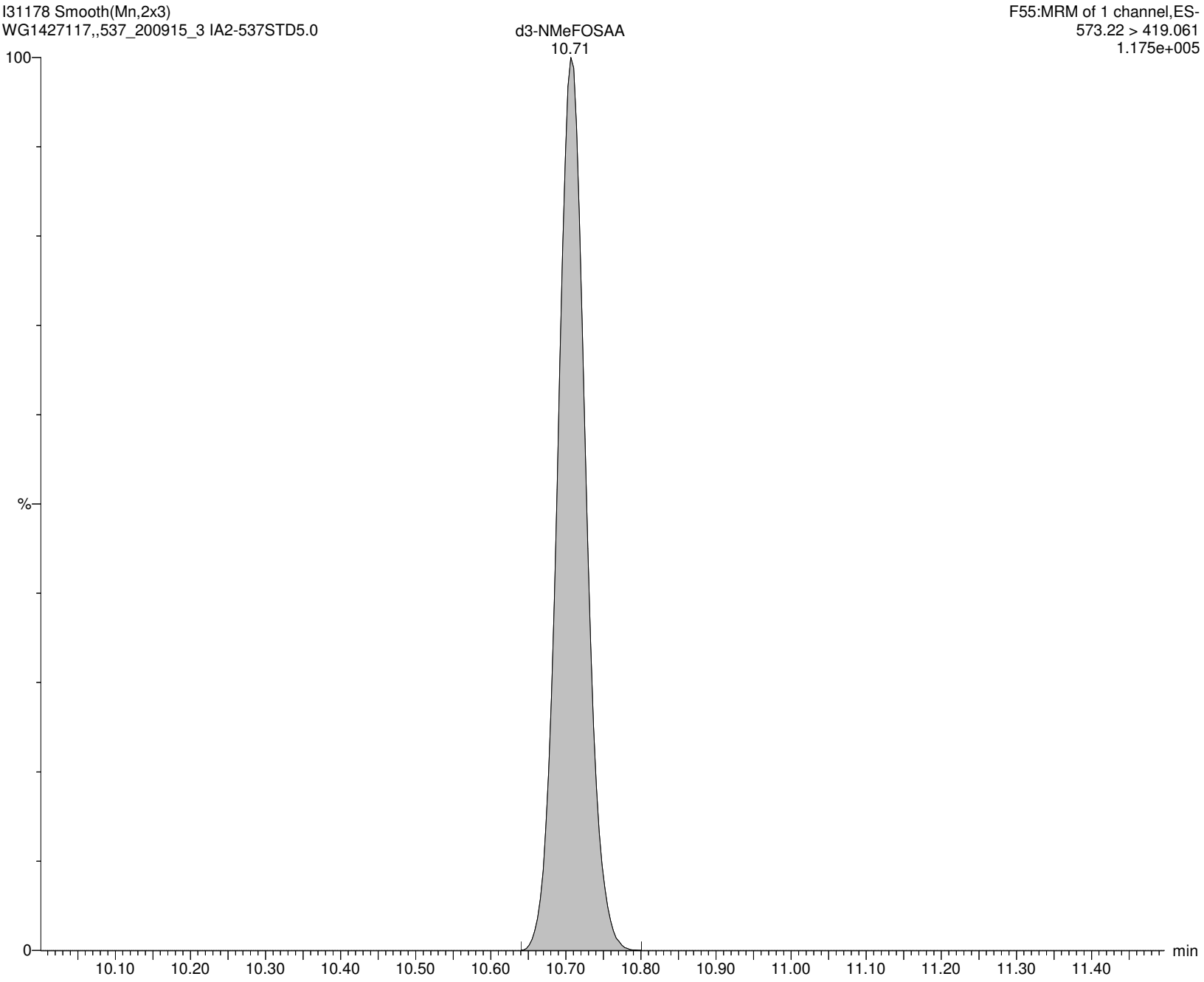

all concentration units in (ng/mL)

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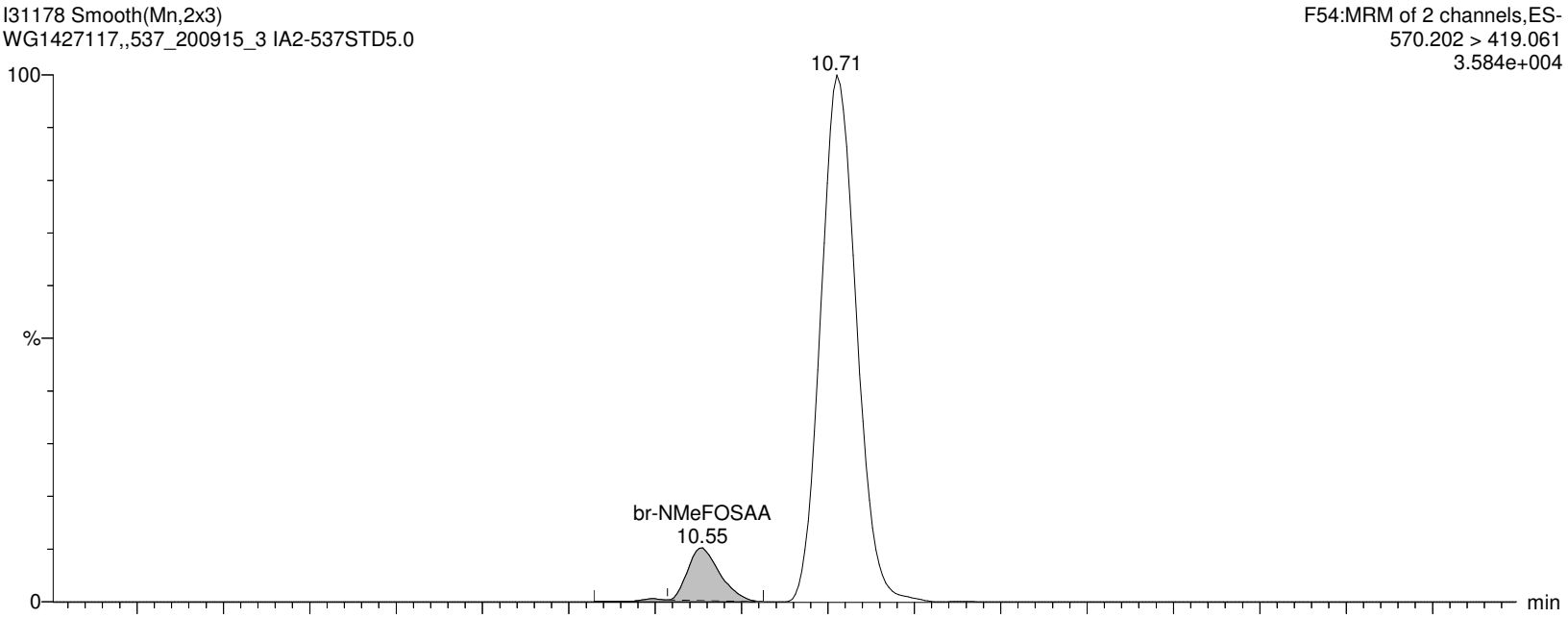

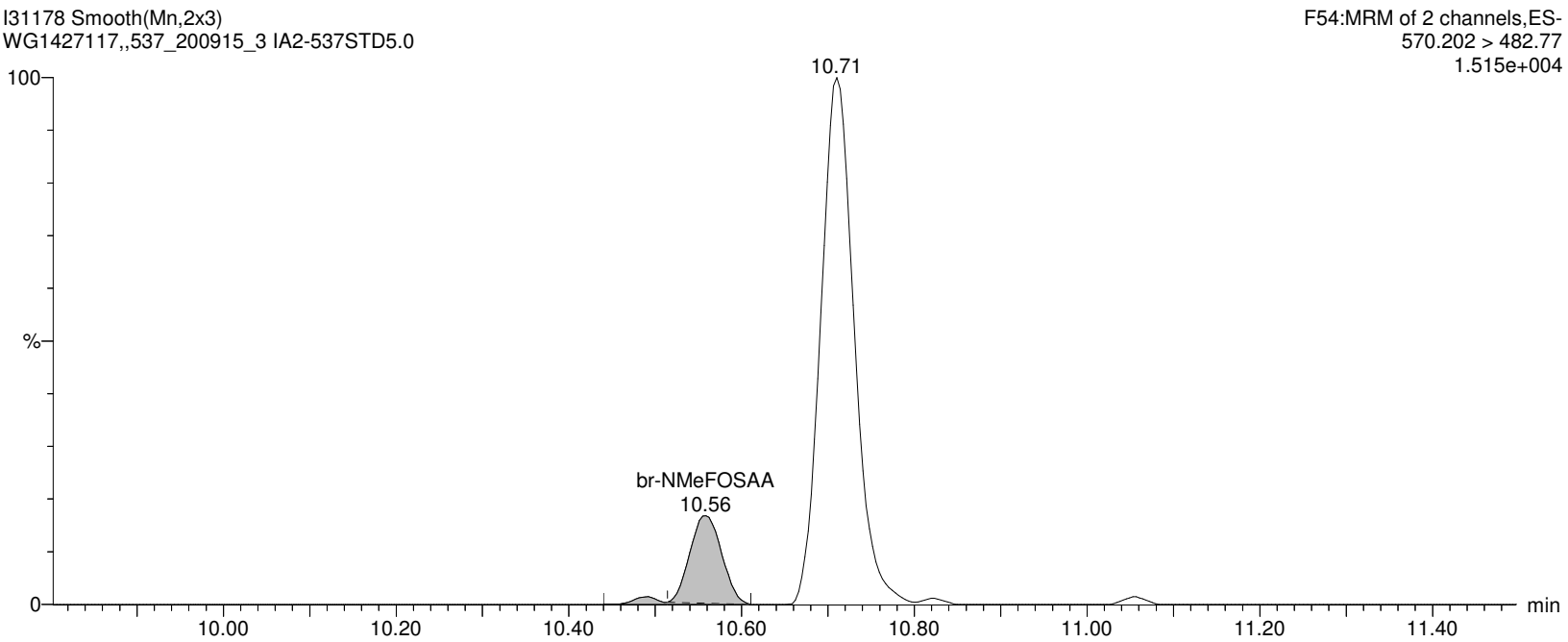

all concentration units in (ng/mL)

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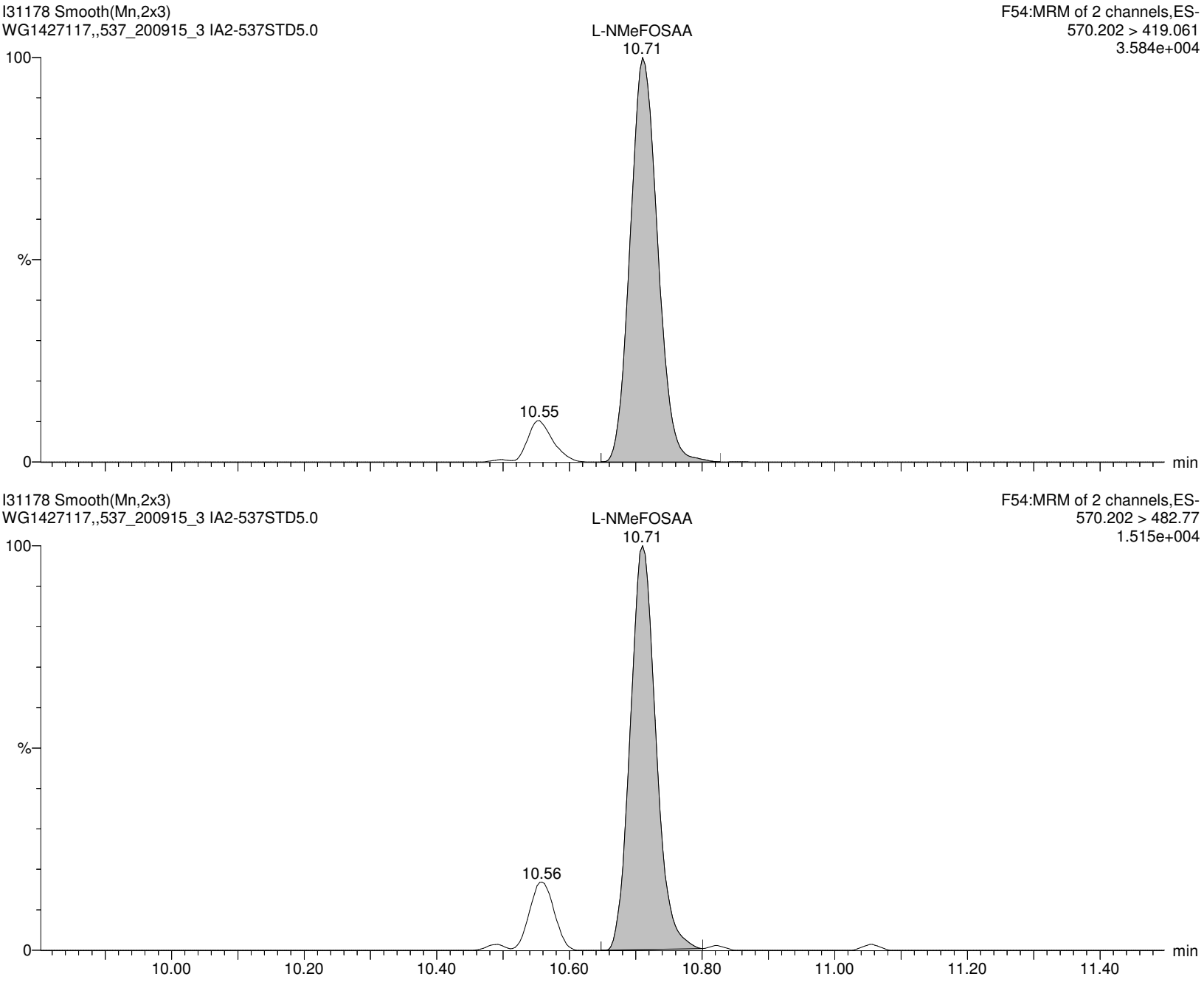
L-NMeFOSAA



all concentration units in (ng/mL)

Alpha Analytical Inc.
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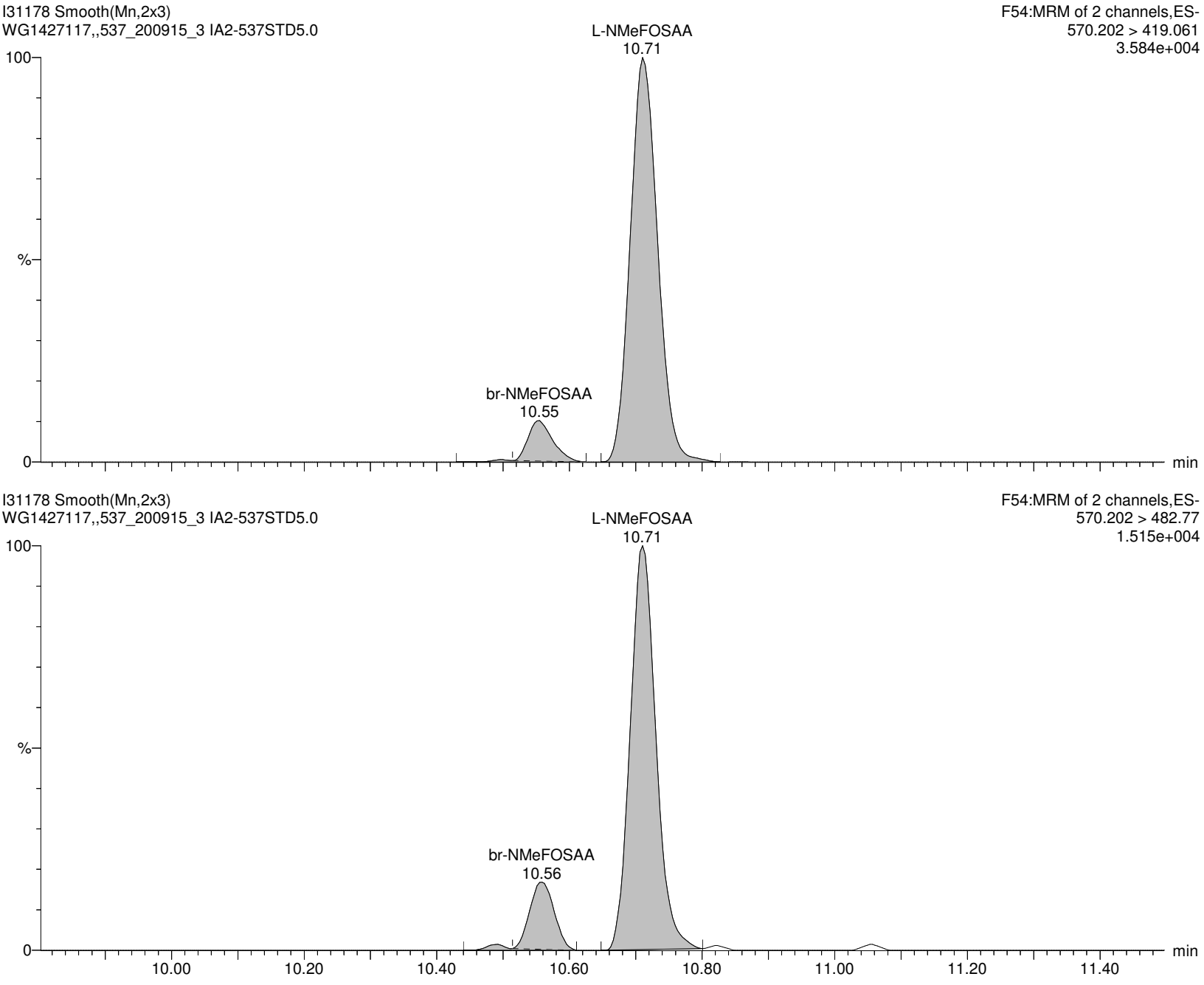

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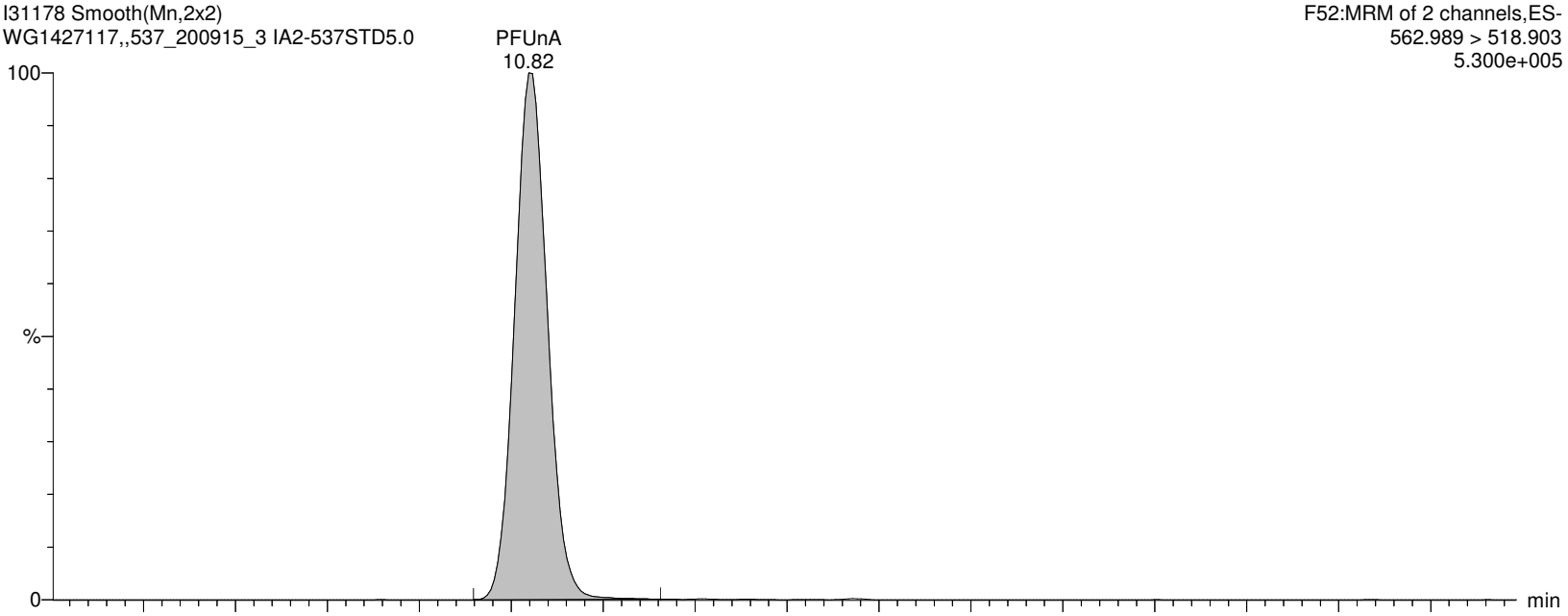

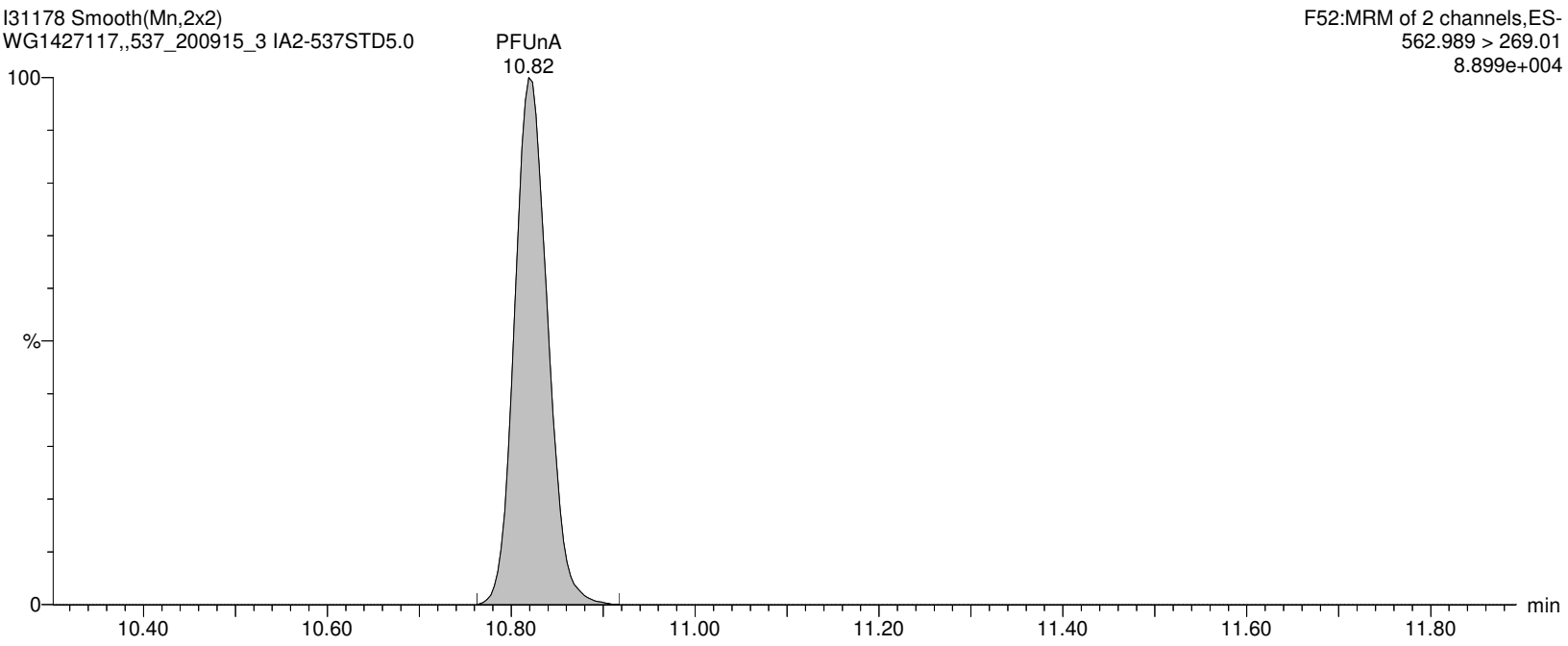

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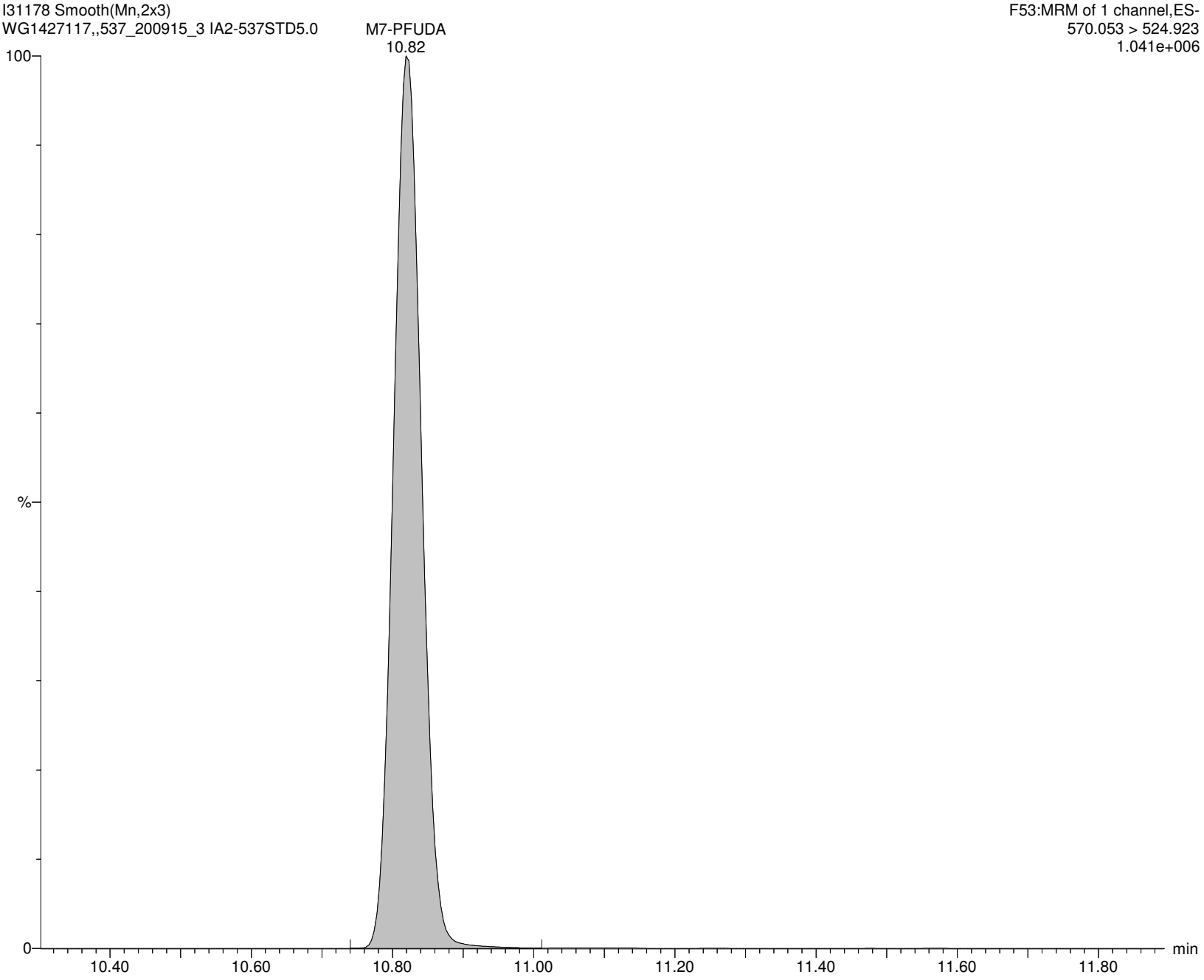
M7-PFUDA



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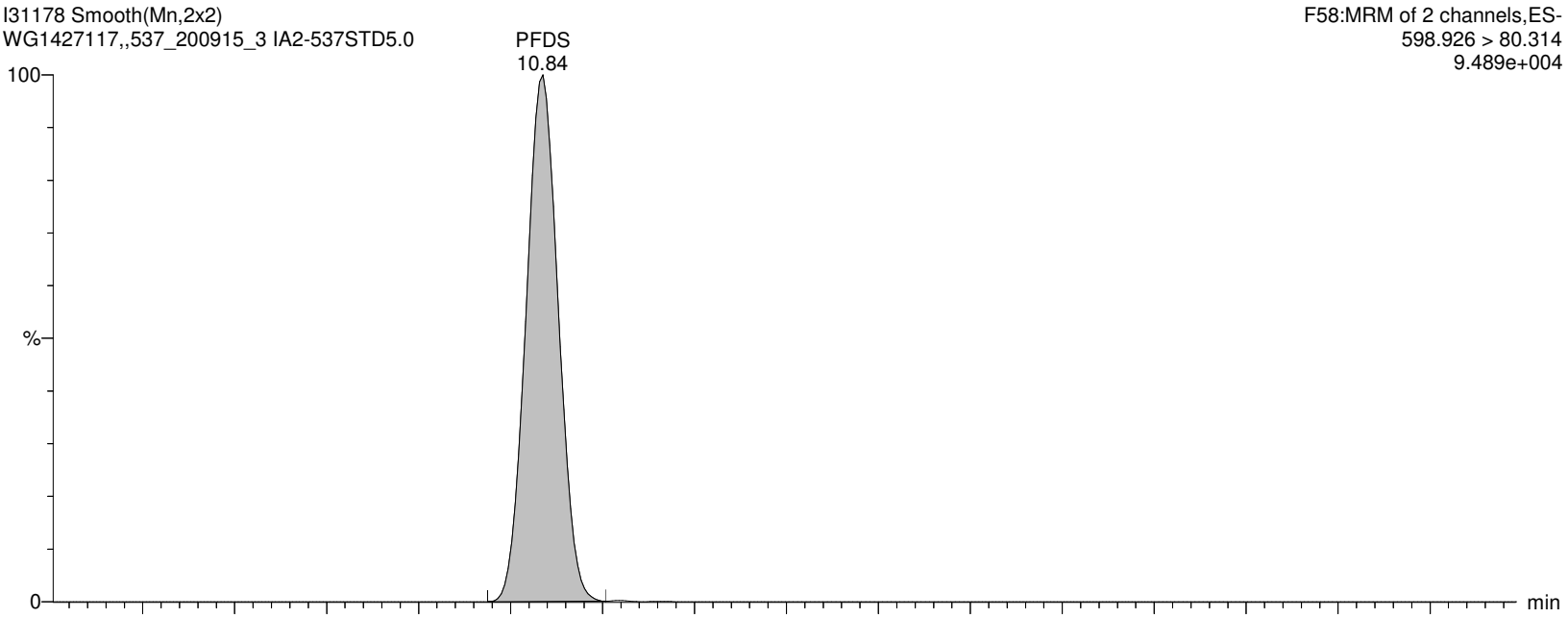

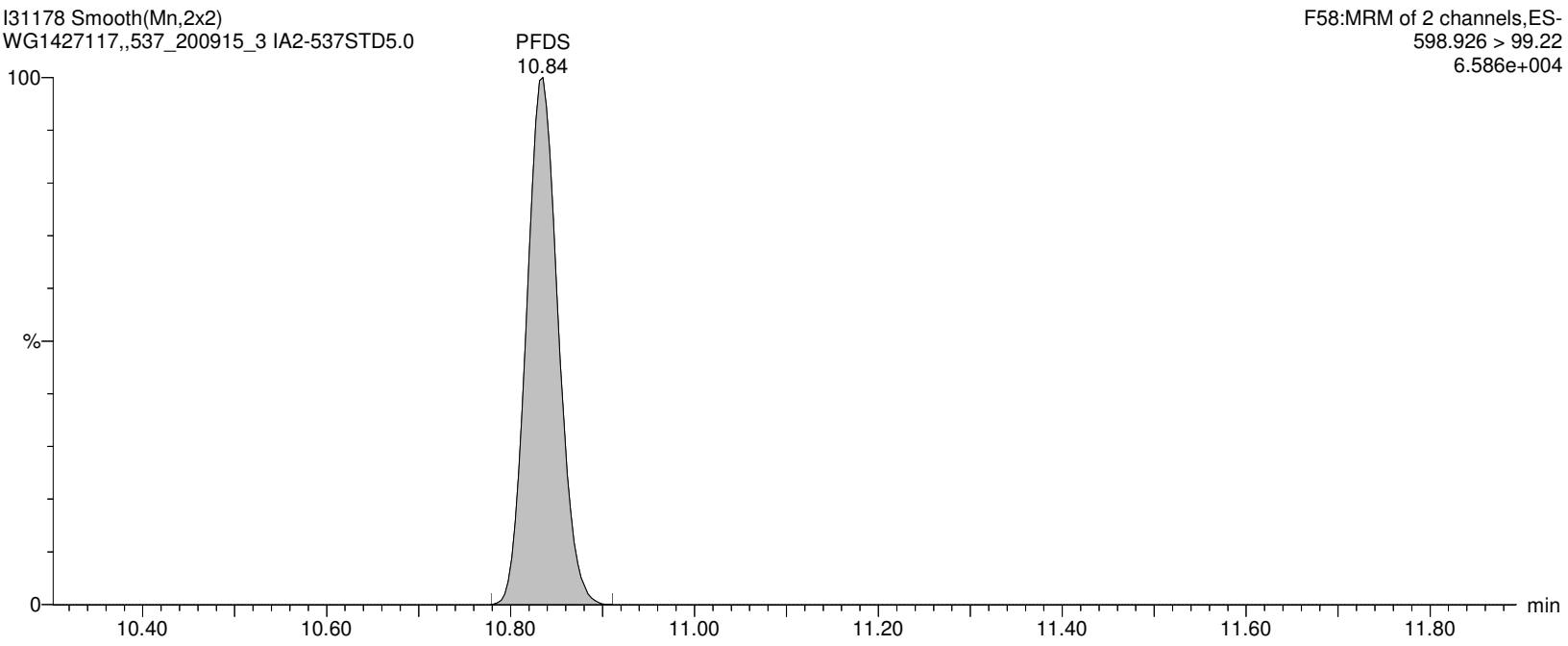

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:15:48 Eastern Daylight Time

Name: I31178
ID: IA2-537STD5.0
Date: 27-Oct-2020
Time: 18:13:43
Description: WG1427117,,537_200915_3
User: LCMS02:JW
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Instrument: XEVO-TQSmicro#QEB0050
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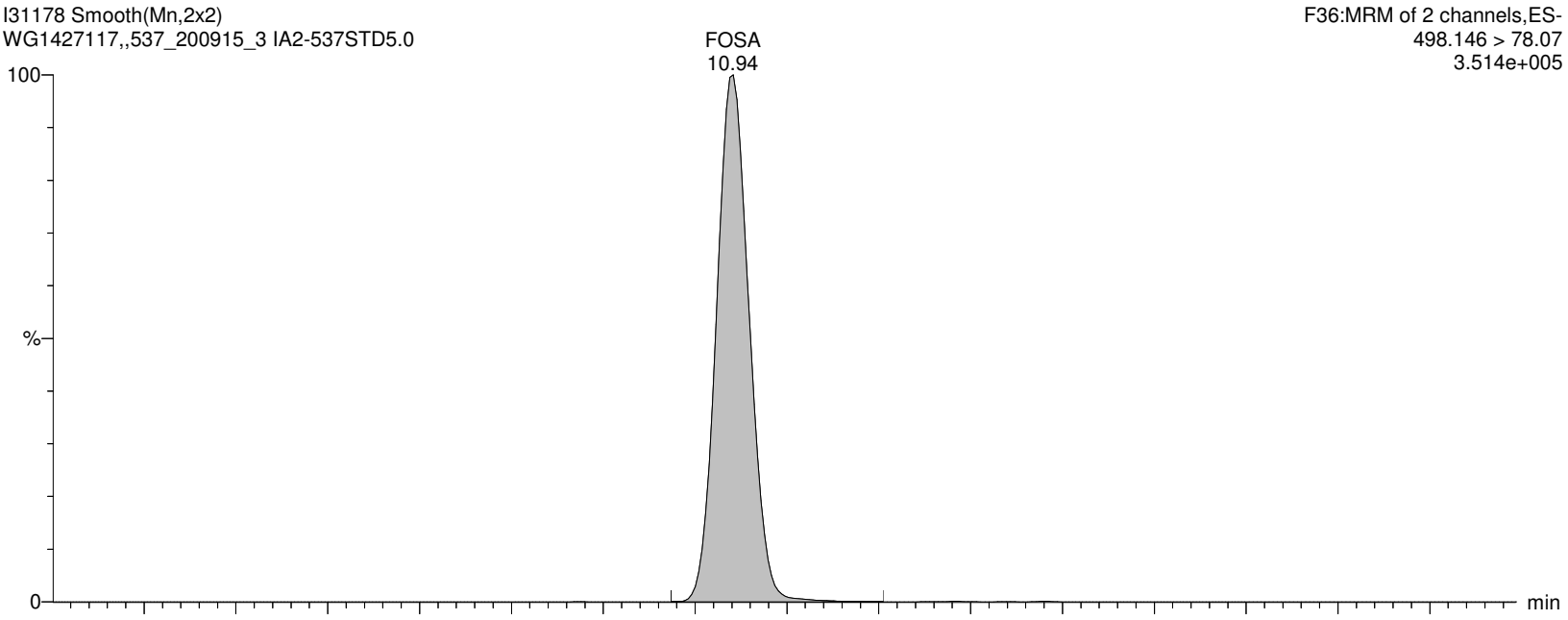

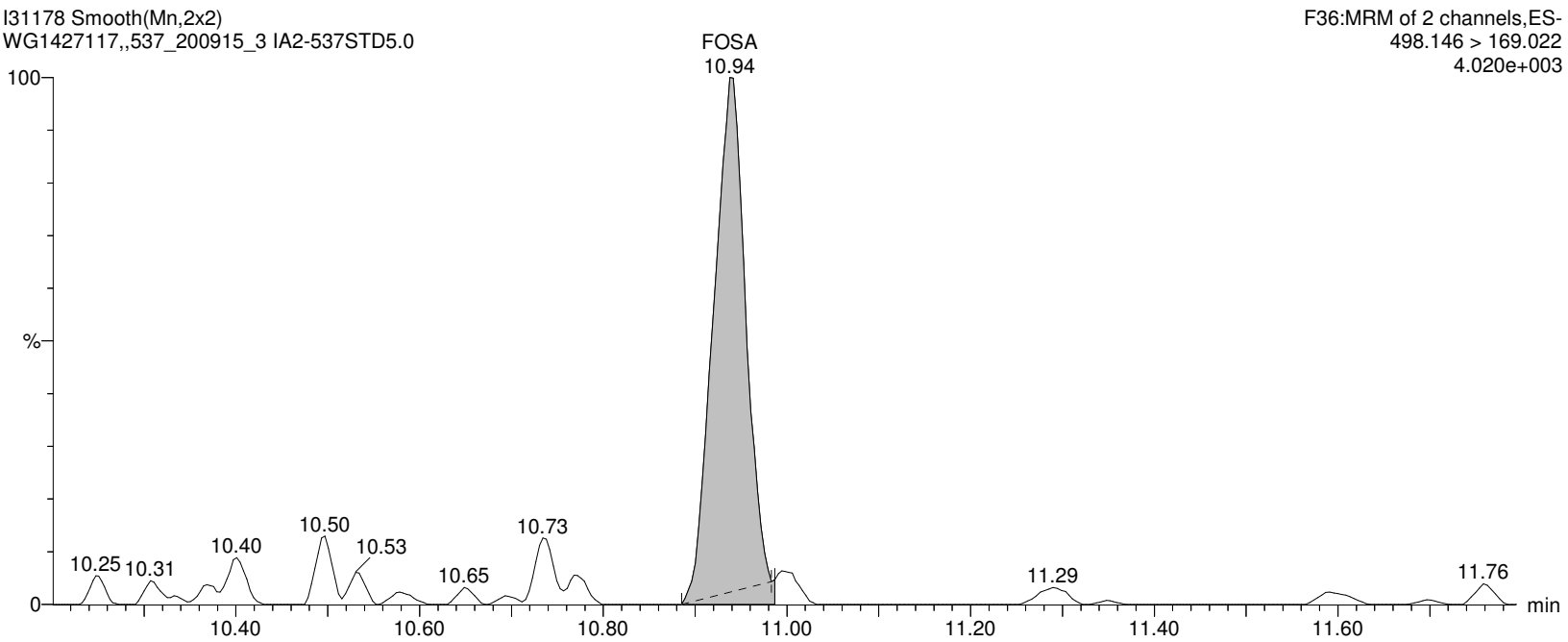

all concentration units in (ng/mL)

Alpha Analytical Inc.
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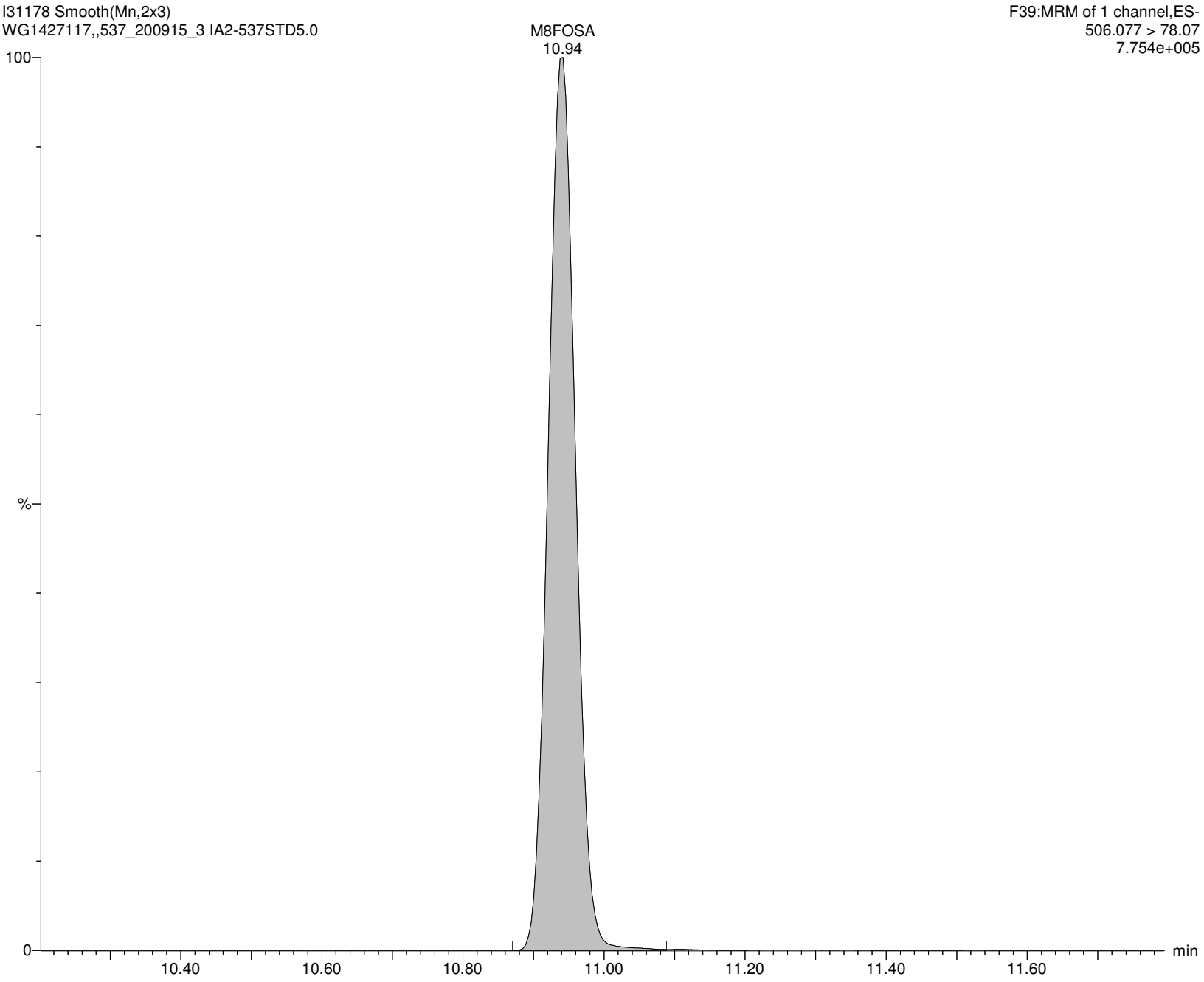

all concentration units in (ng/mL)

Alpha Analytical Inc.
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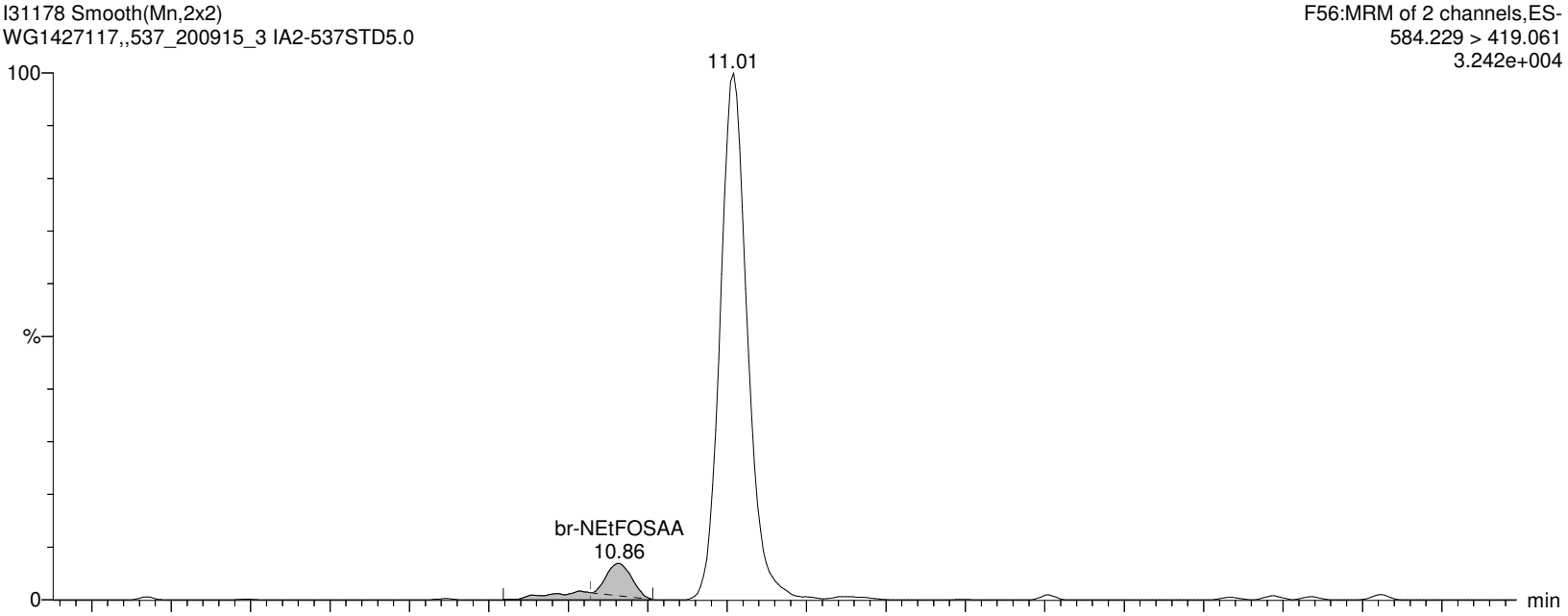

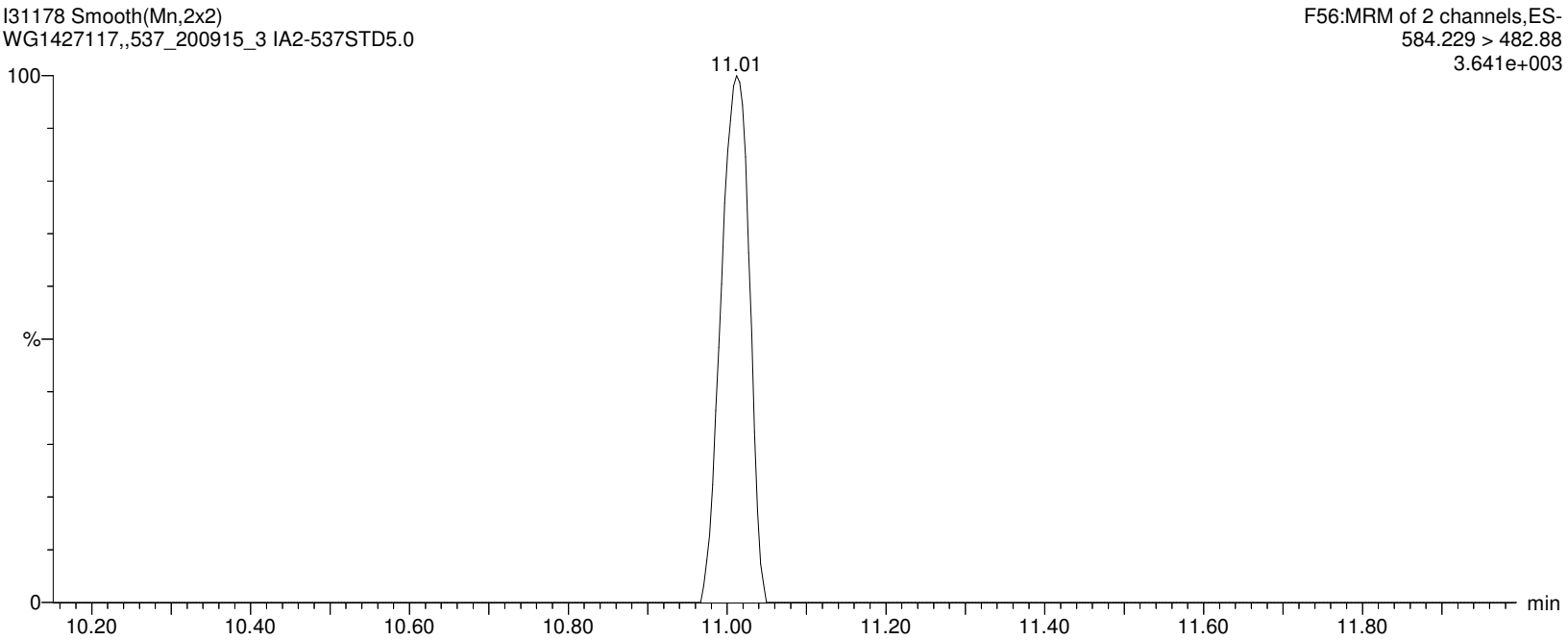

all concentration units in (ng/mL)

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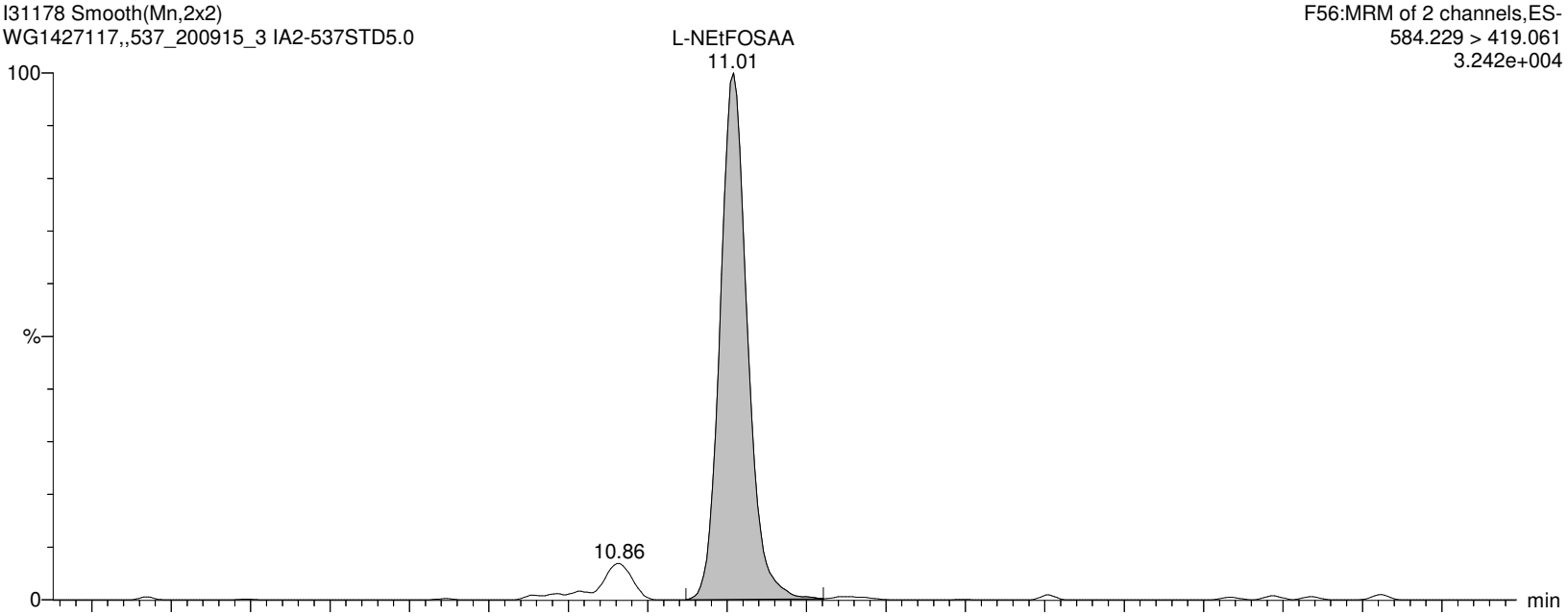

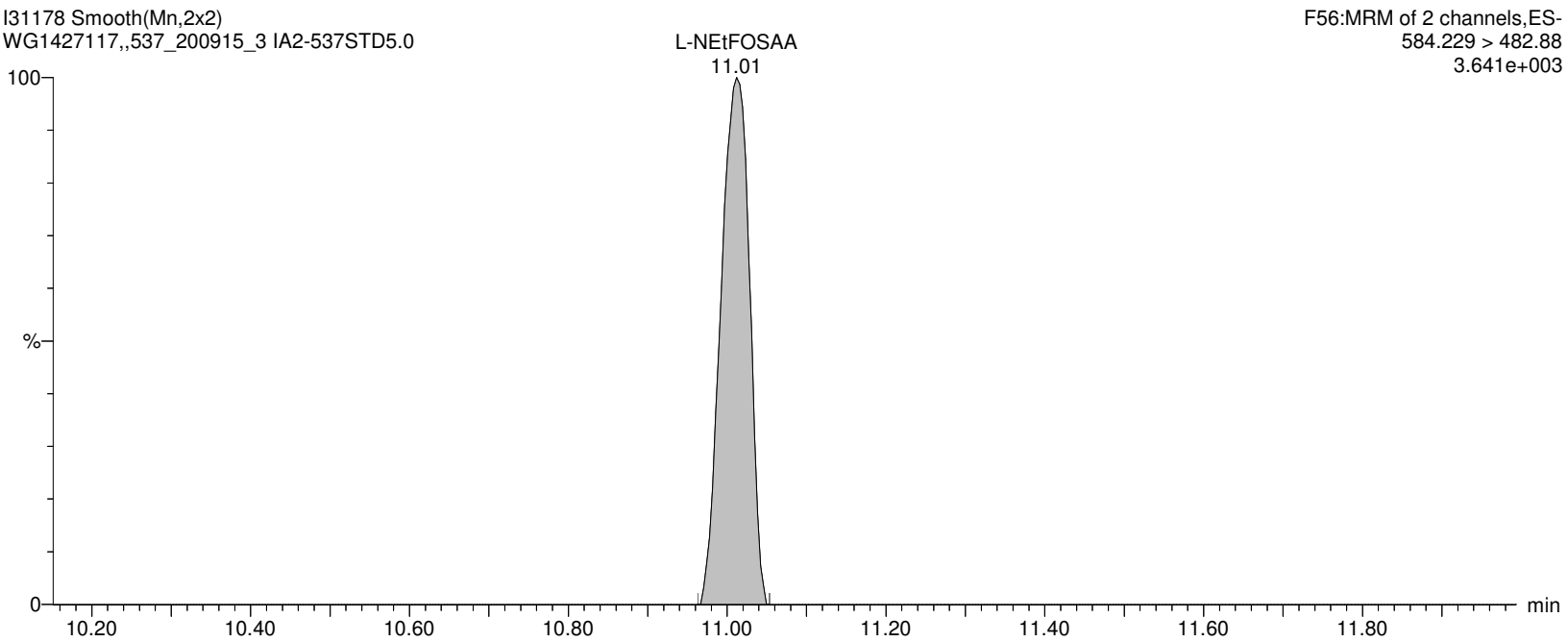

all concentration units in (ng/mL)

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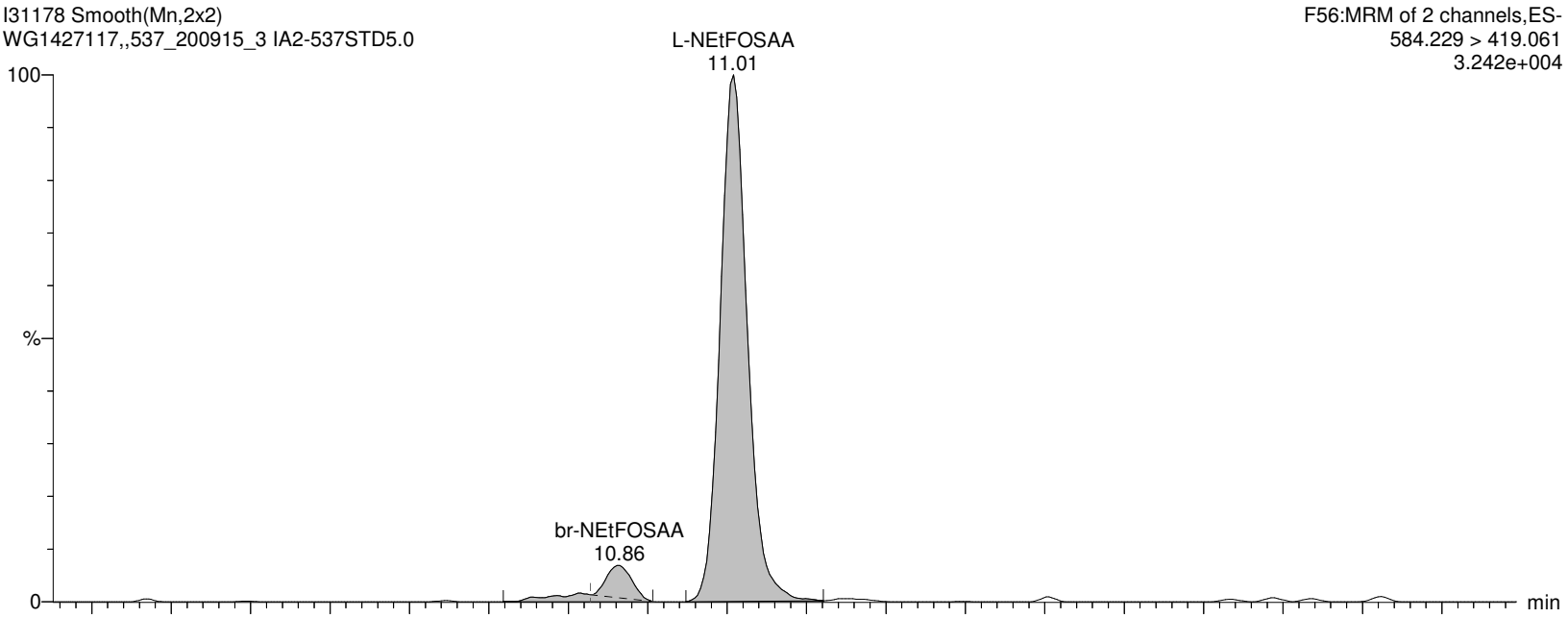

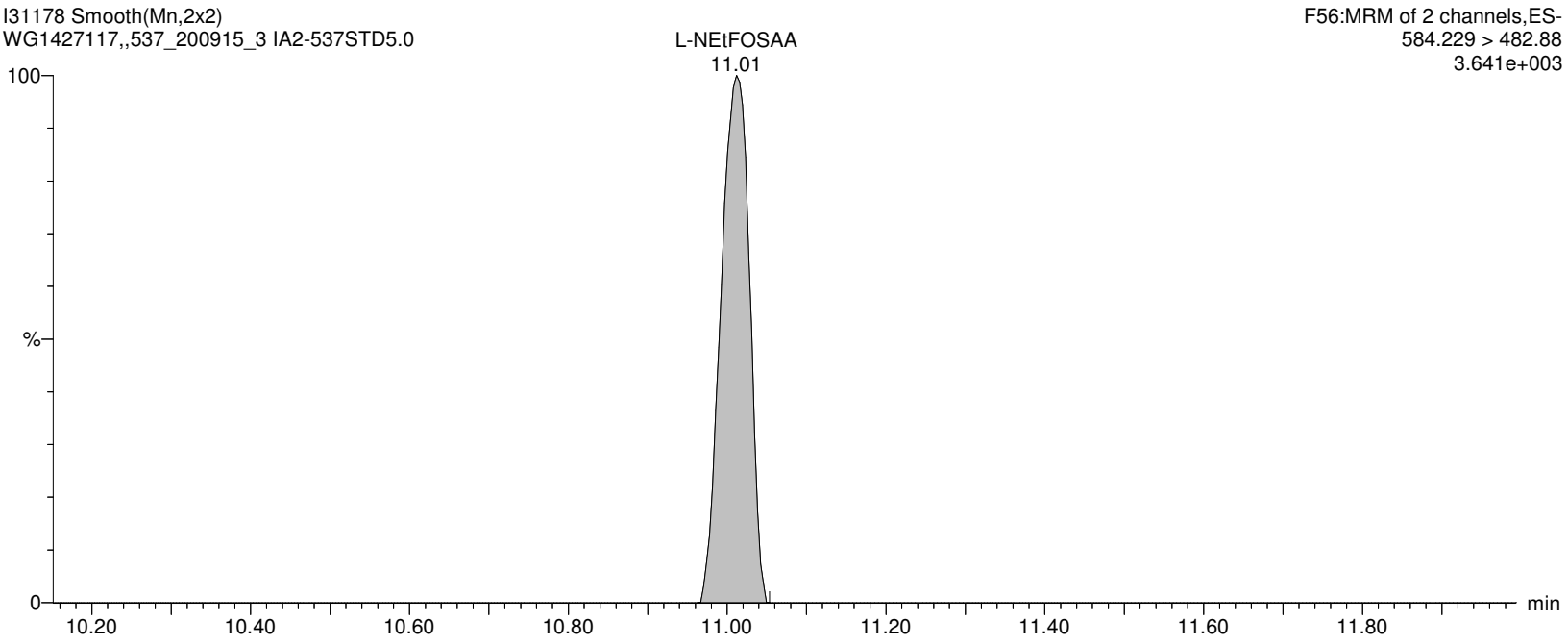

all concentration units in (ng/mL)

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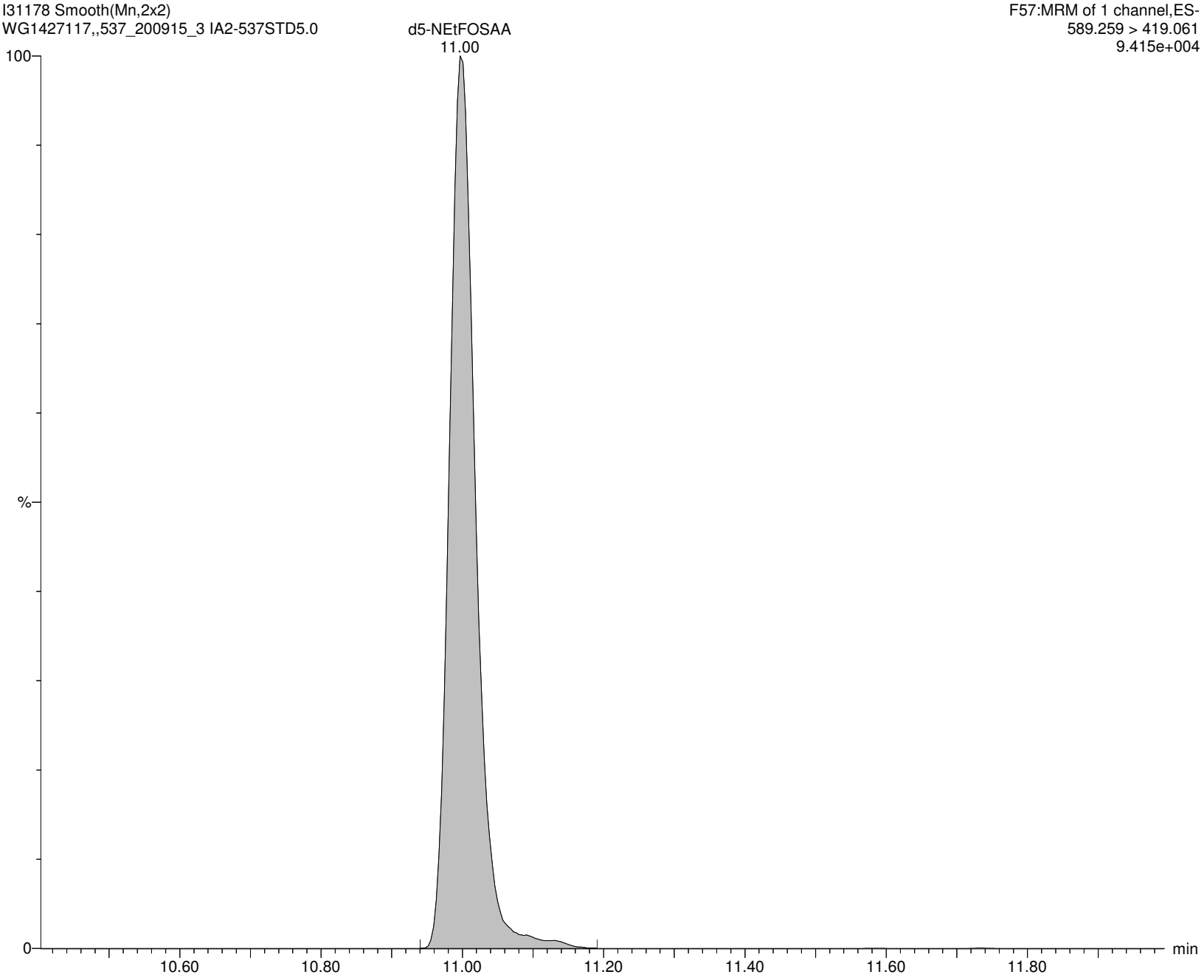

all concentration units in (ng/mL)

Alpha Analytical Inc.
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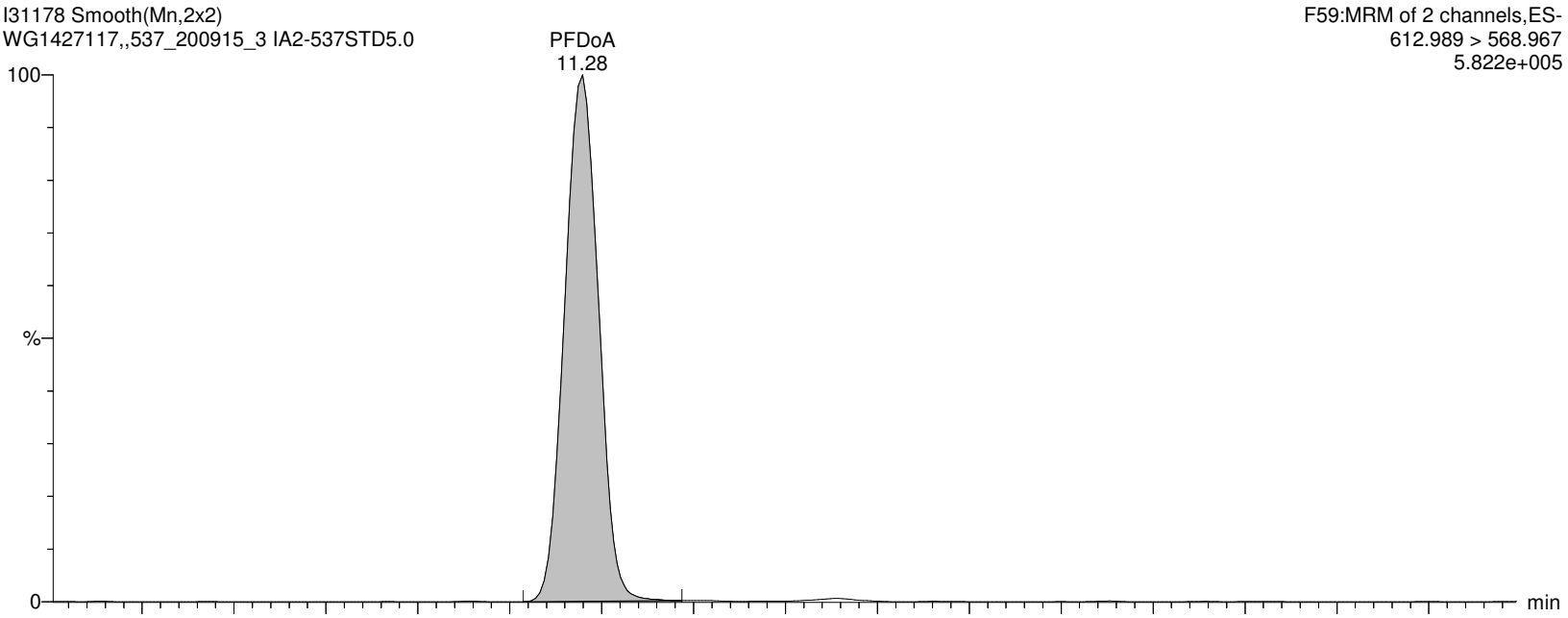

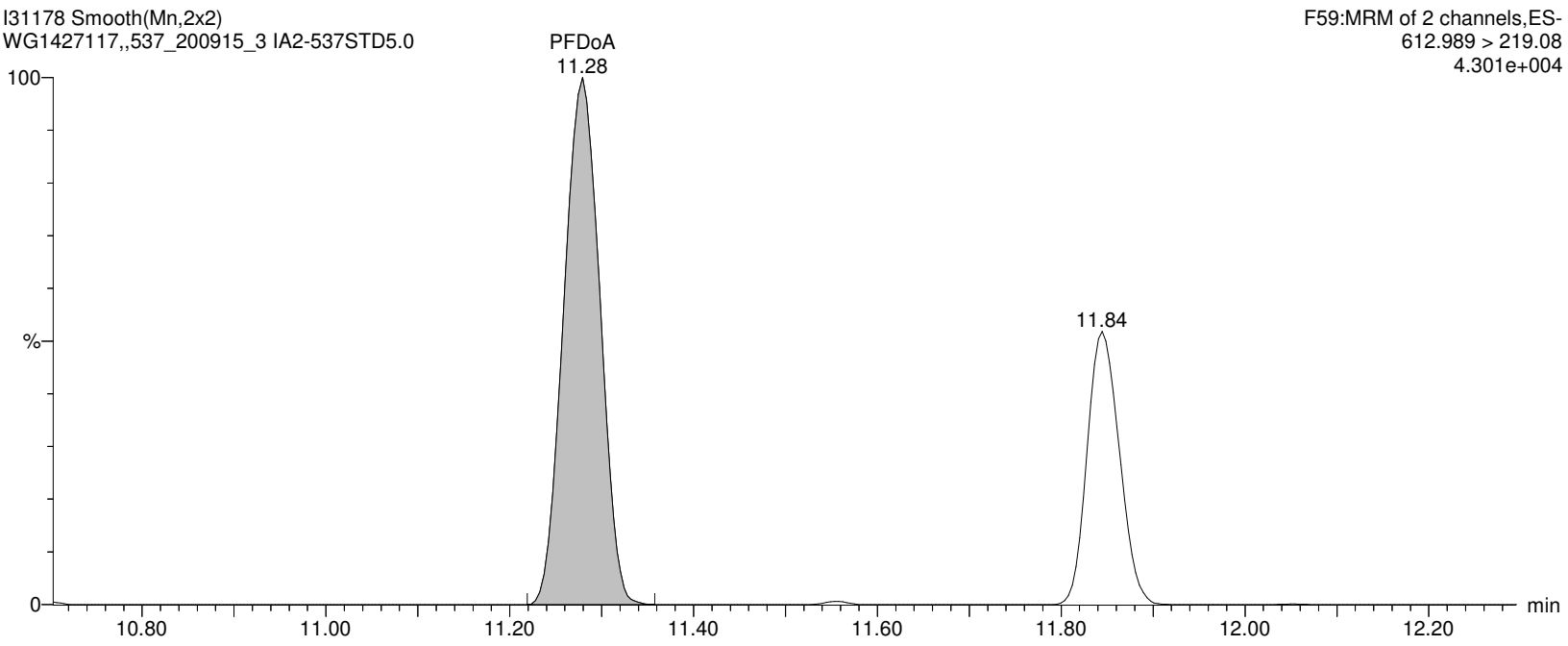

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
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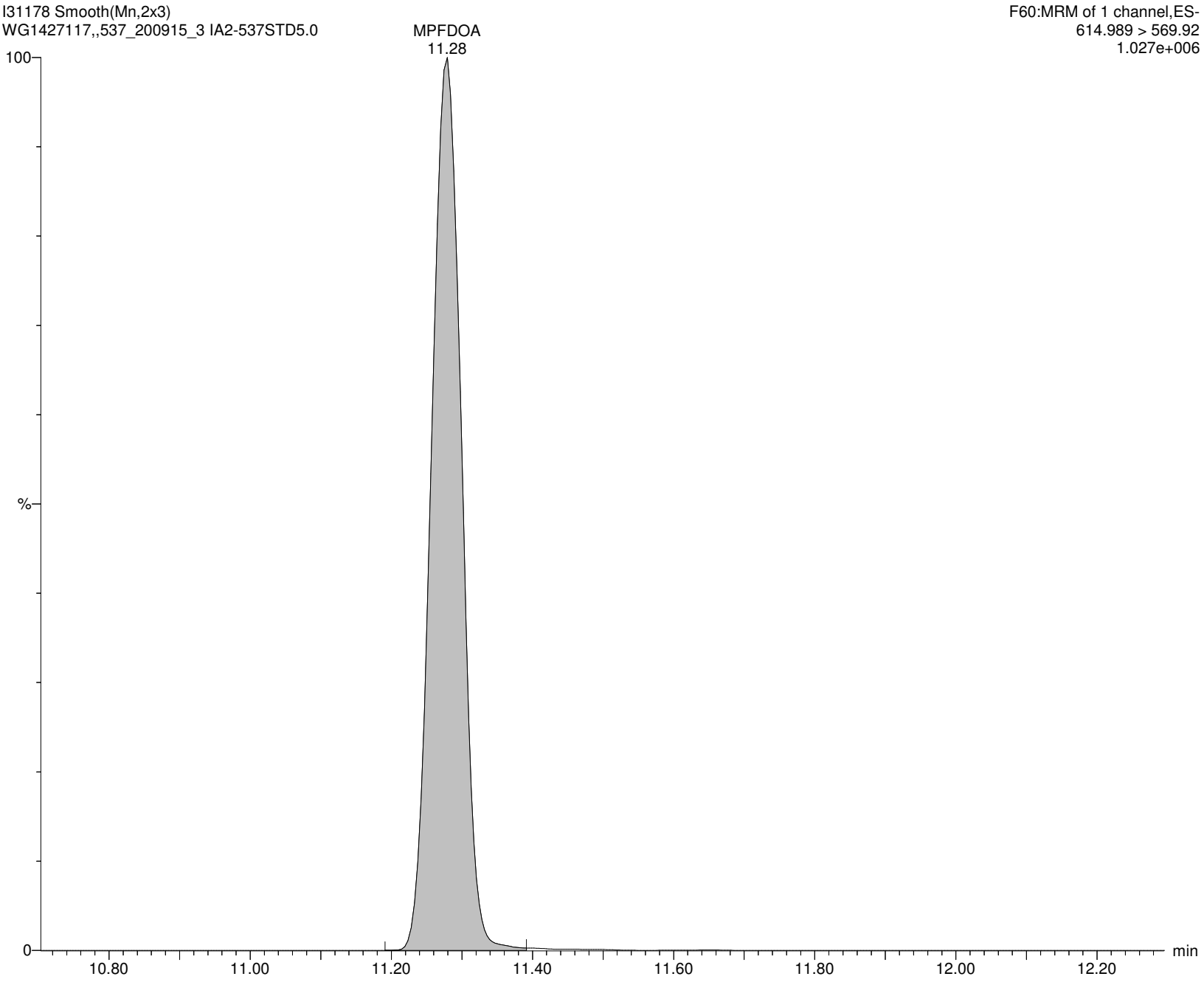

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
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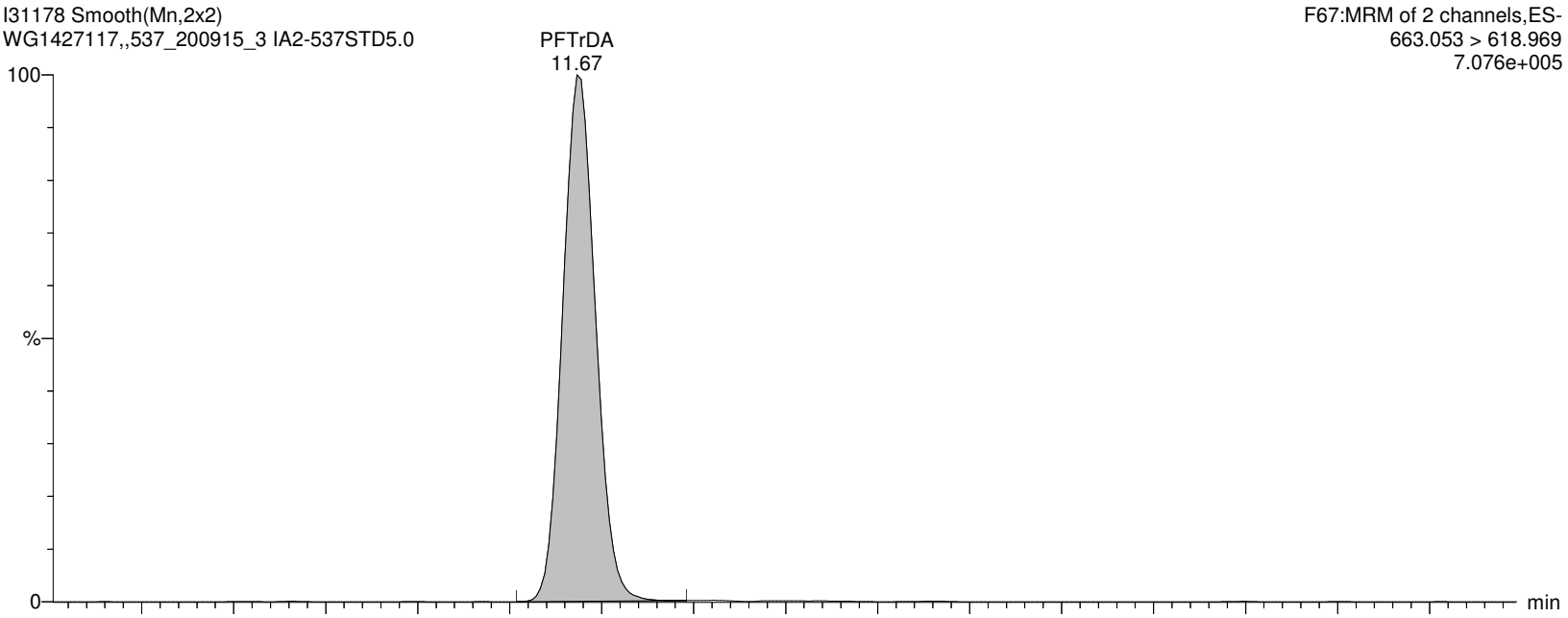

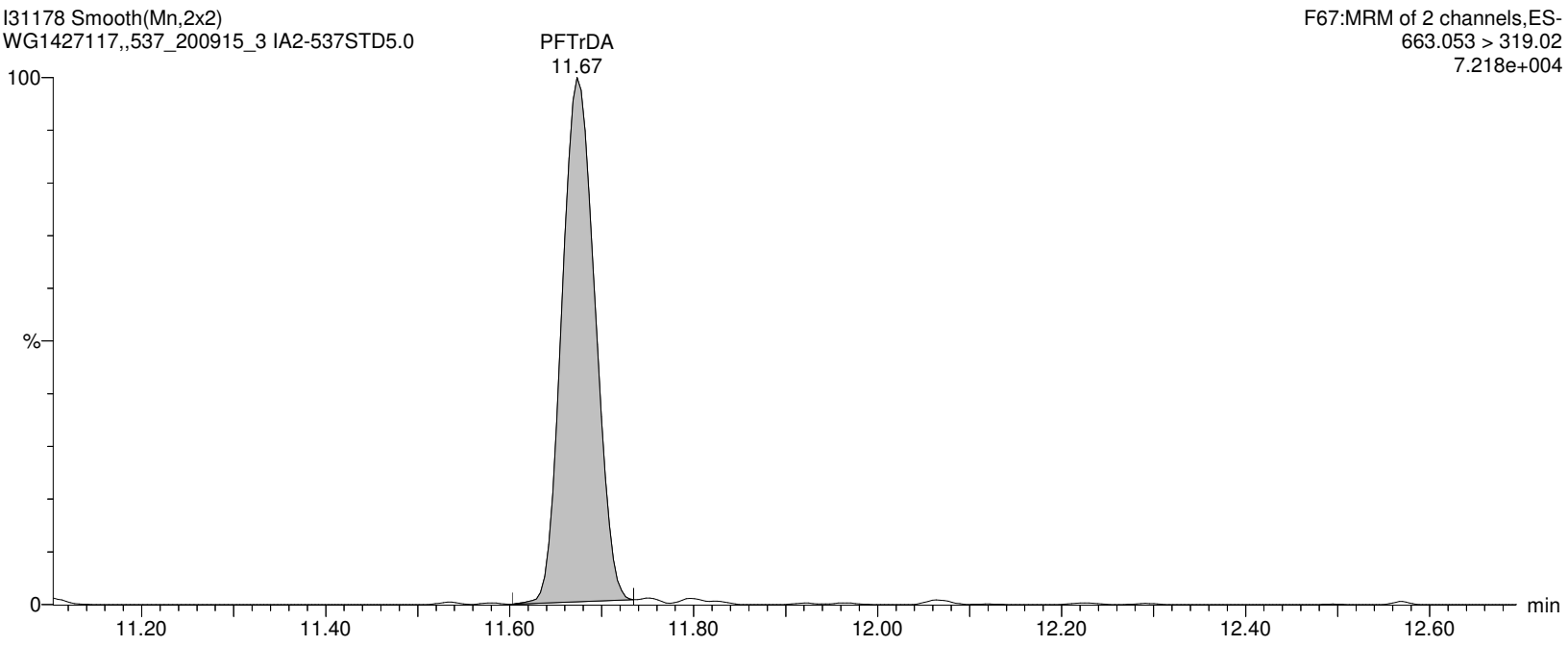

all concentration units in (ng/mL)

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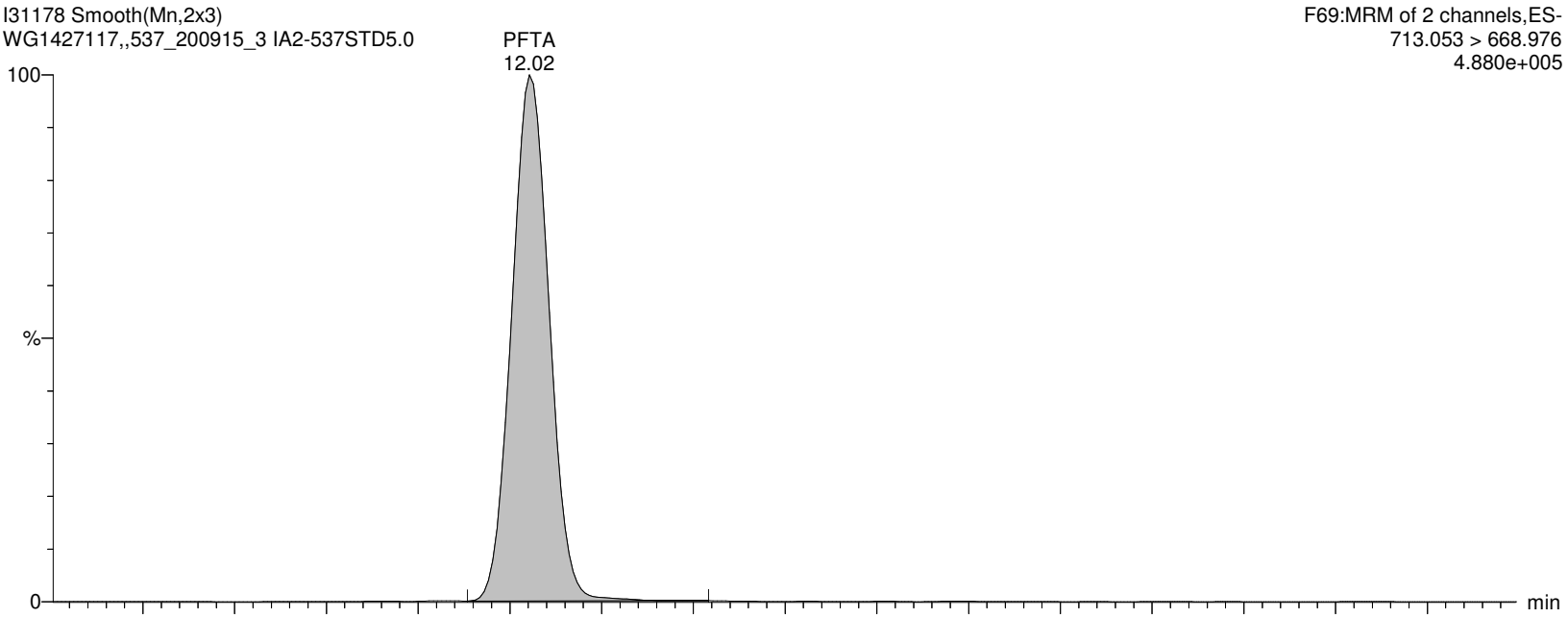

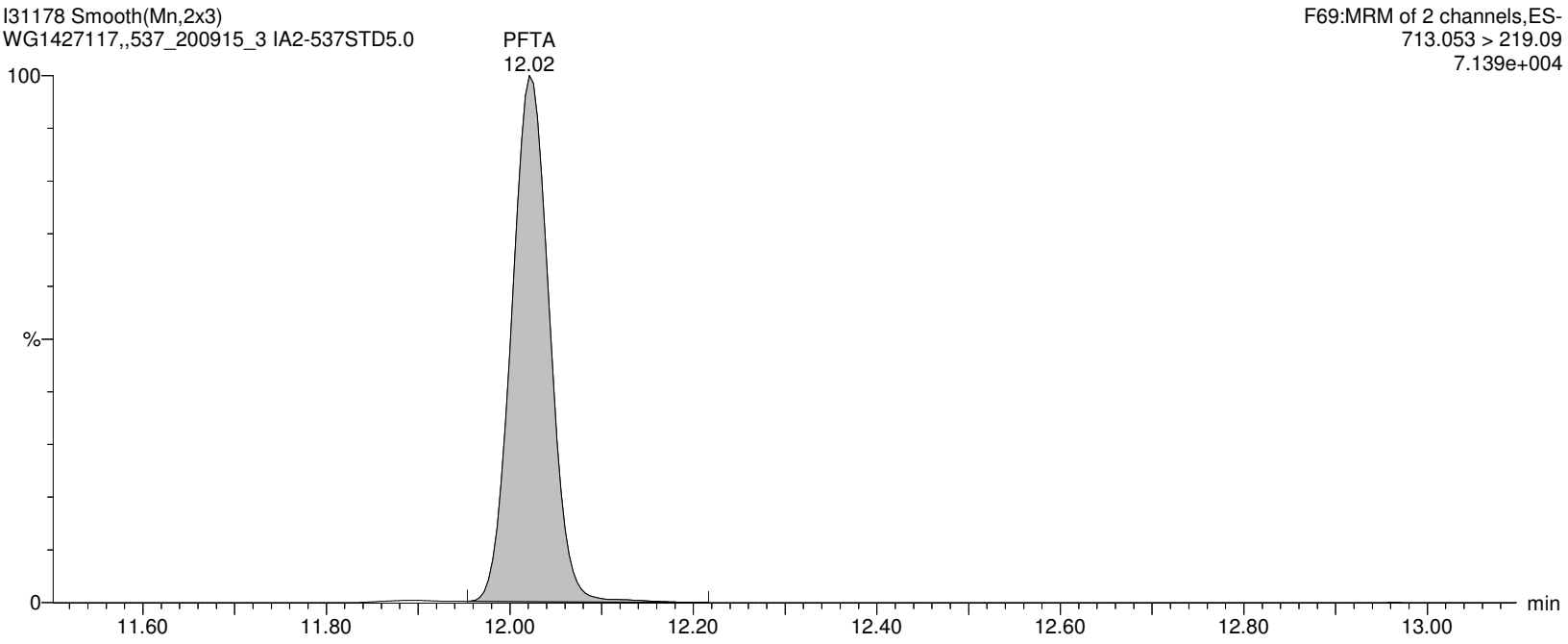

all concentration units in (ng/mL)

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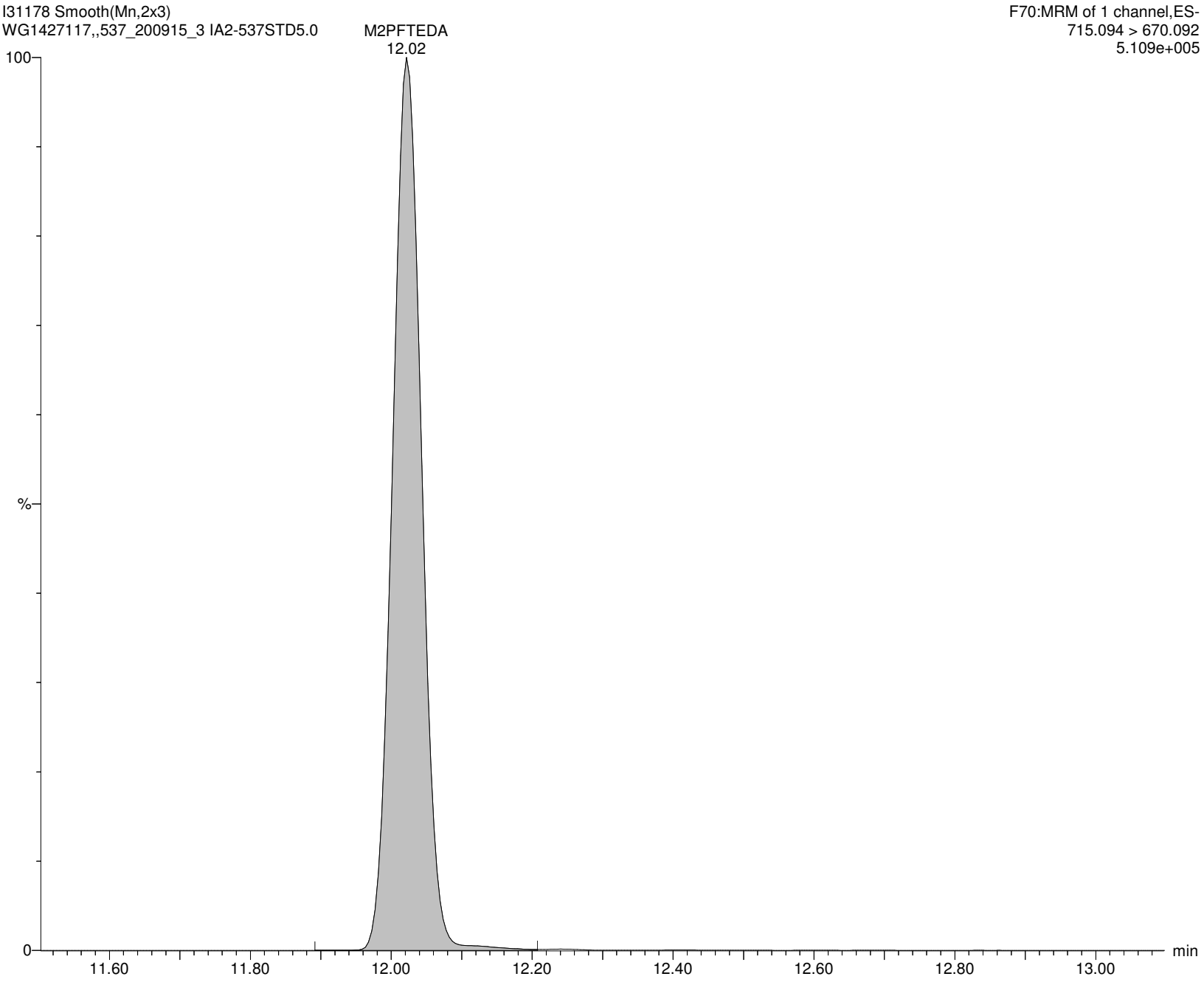

all concentration units in (ng/mL)

Alpha Analytical Inc.
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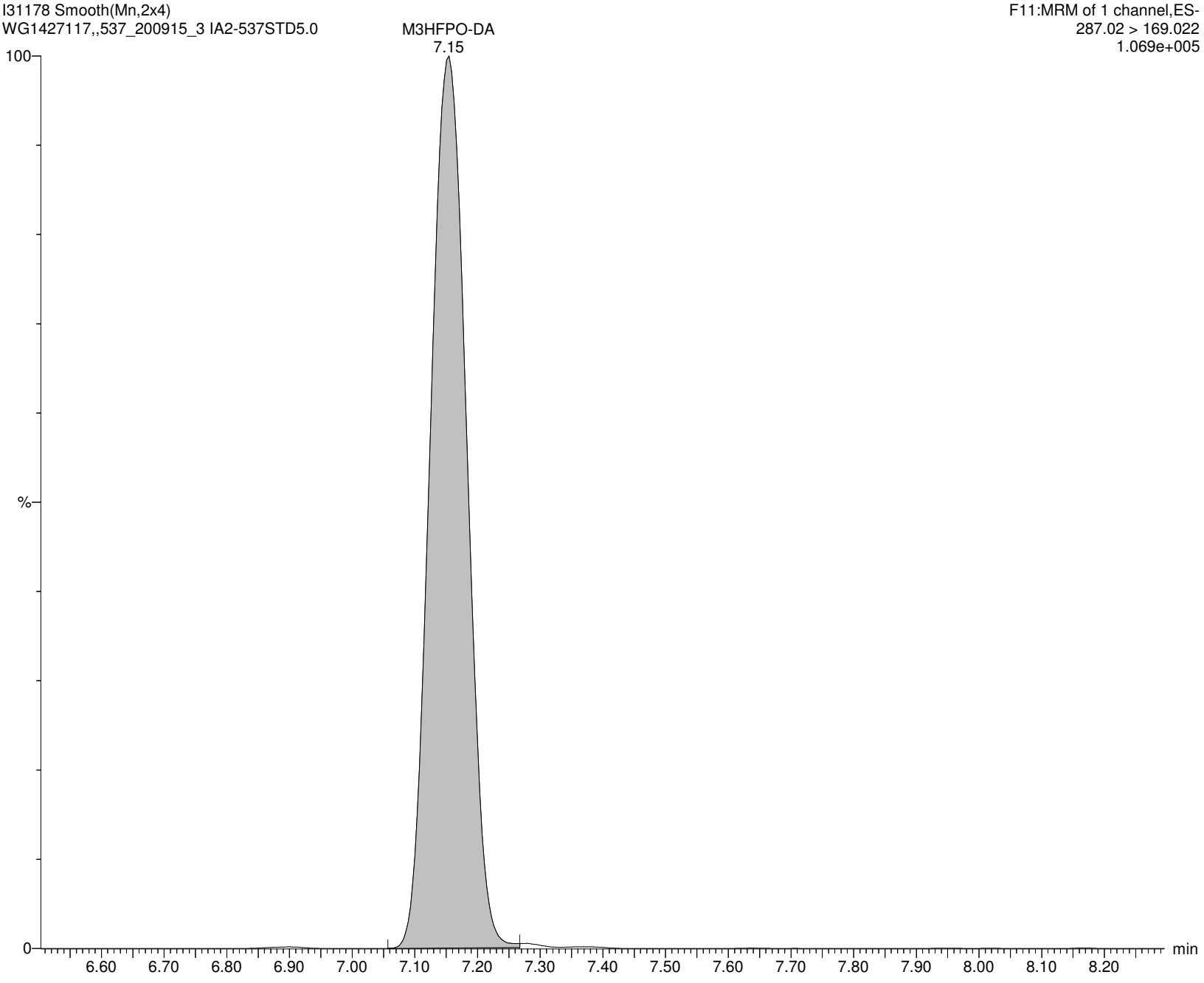

all concentration units in (ng/mL)

Alpha Analytical Inc.
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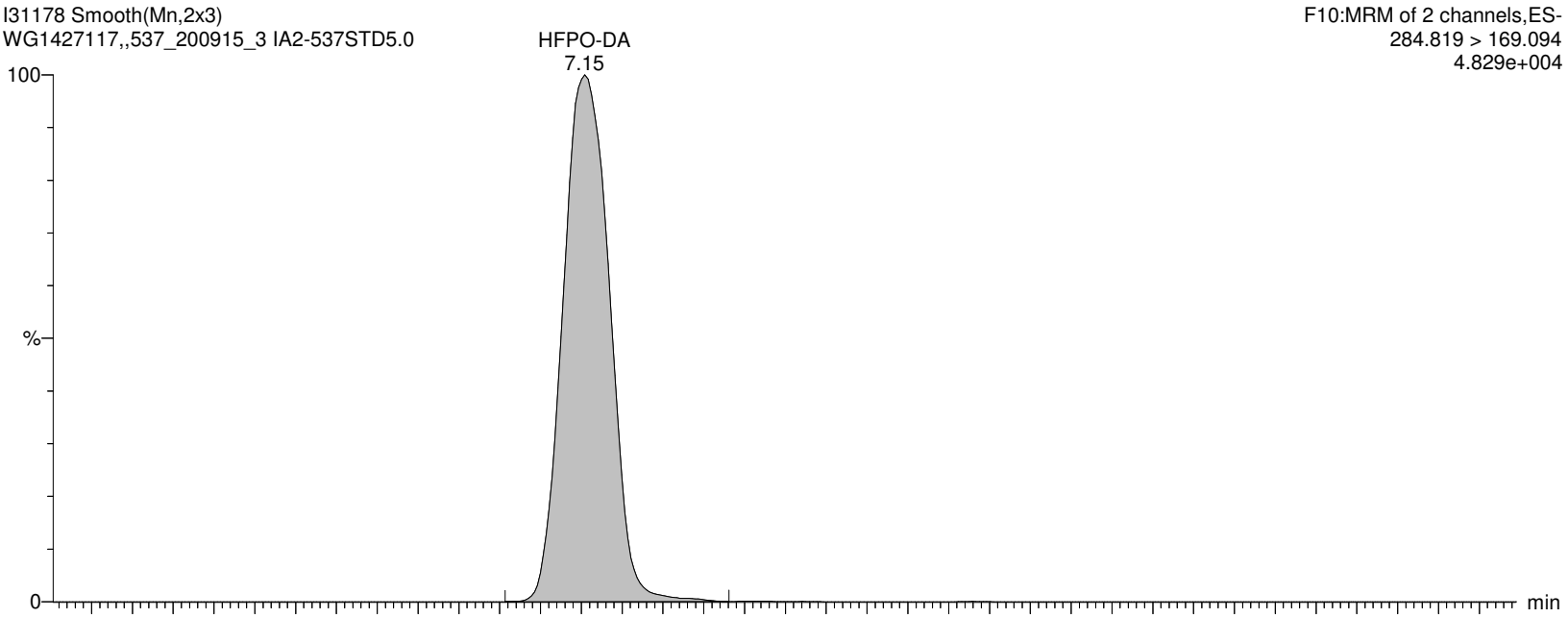
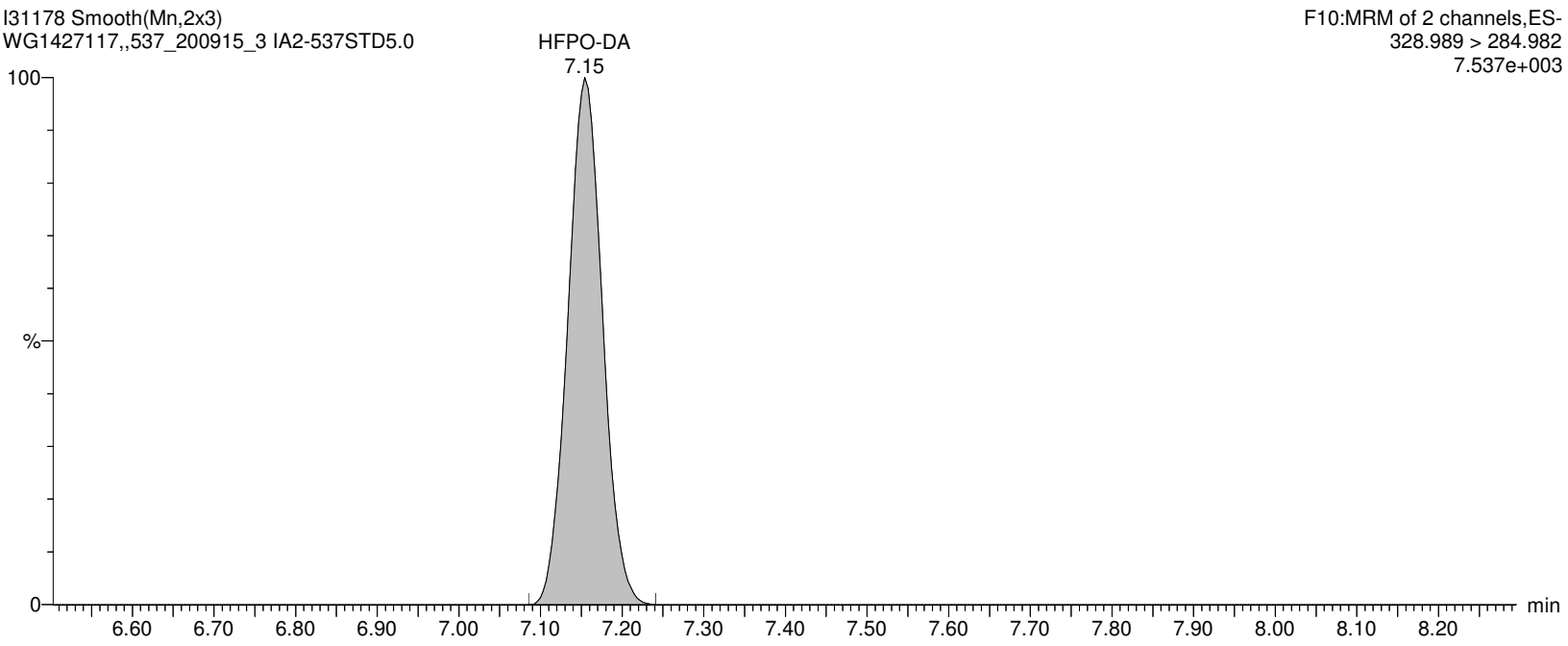
HFPO-DA





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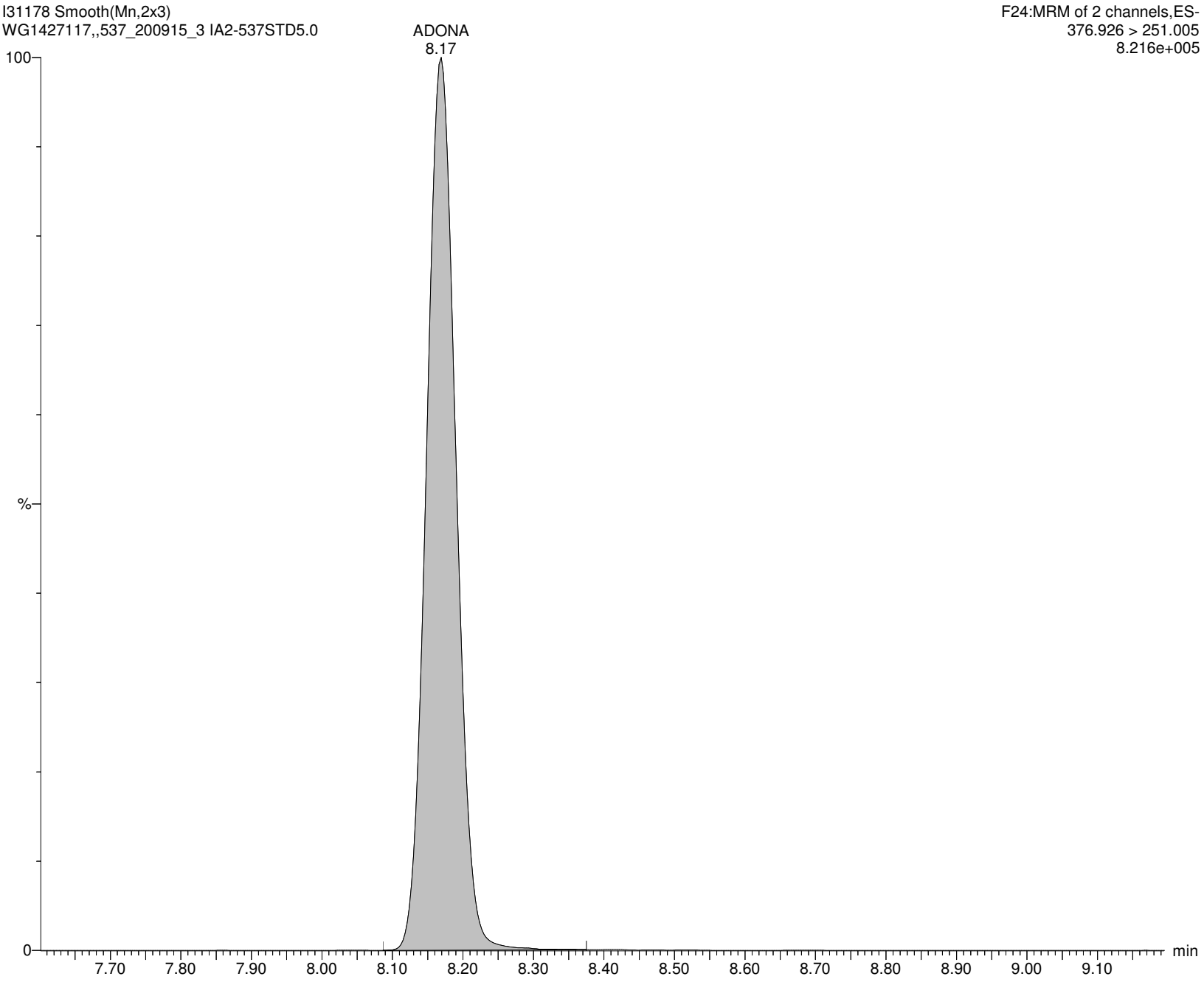

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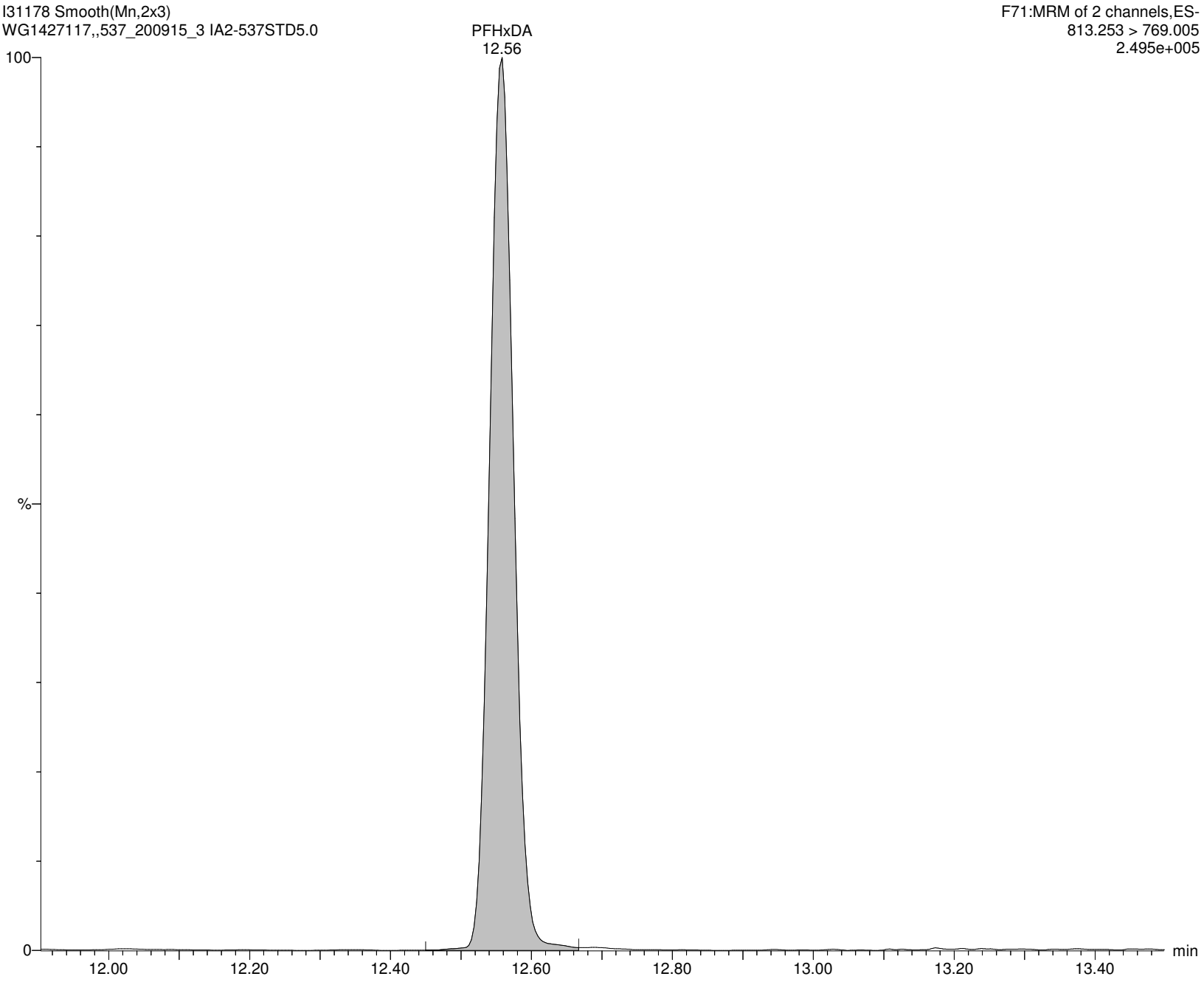

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:15:48 Eastern Daylight Time

Name: I31178
ID: IA2-537STD5.0
Date: 27-Oct-2020
Time: 18:13:43
Description: WG1427117,,537_200915_3
User: LCMS02:JW
Vial: 1:A,4
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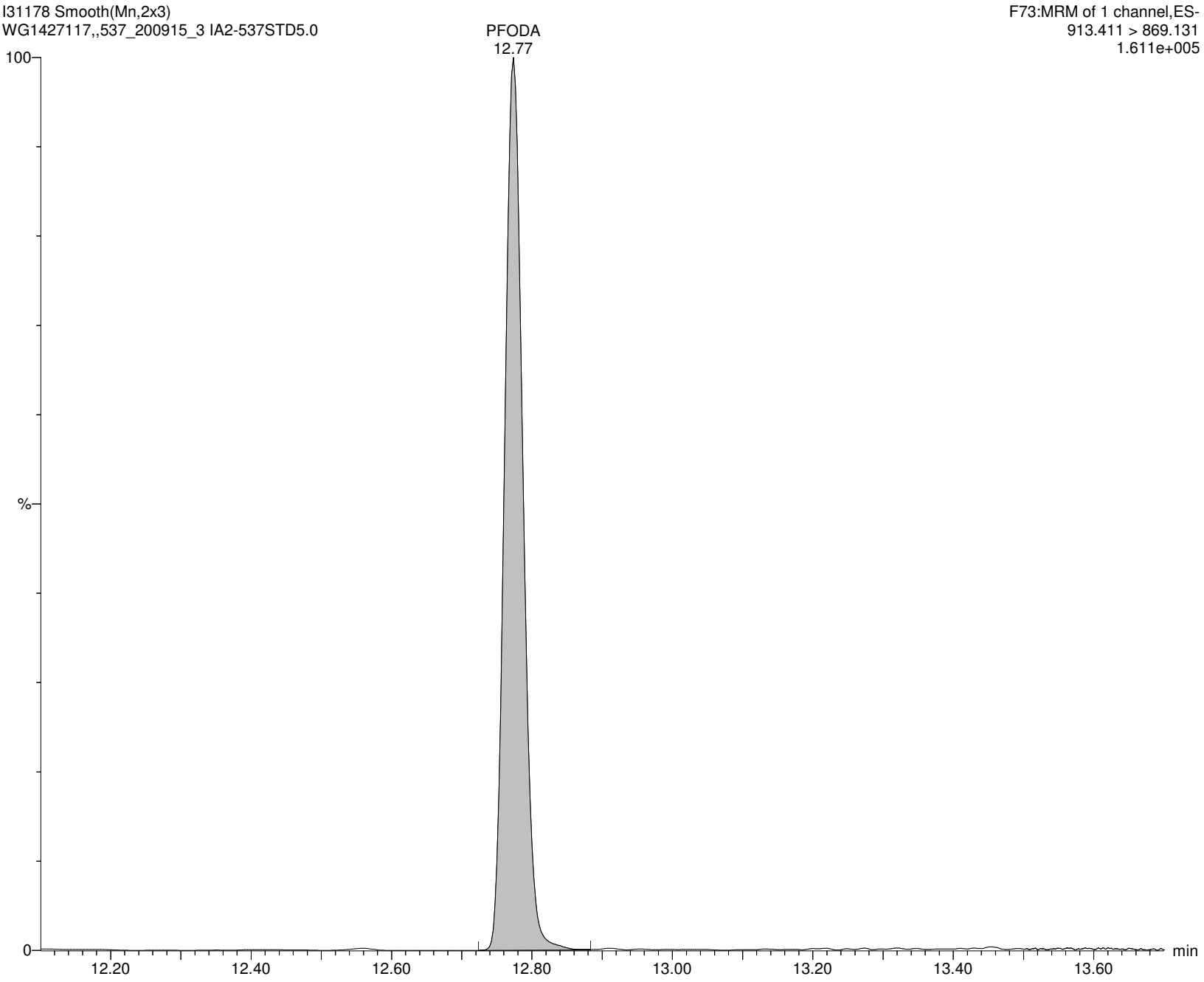

all concentration units in (ng/mL)

Alpha Analytical Inc.
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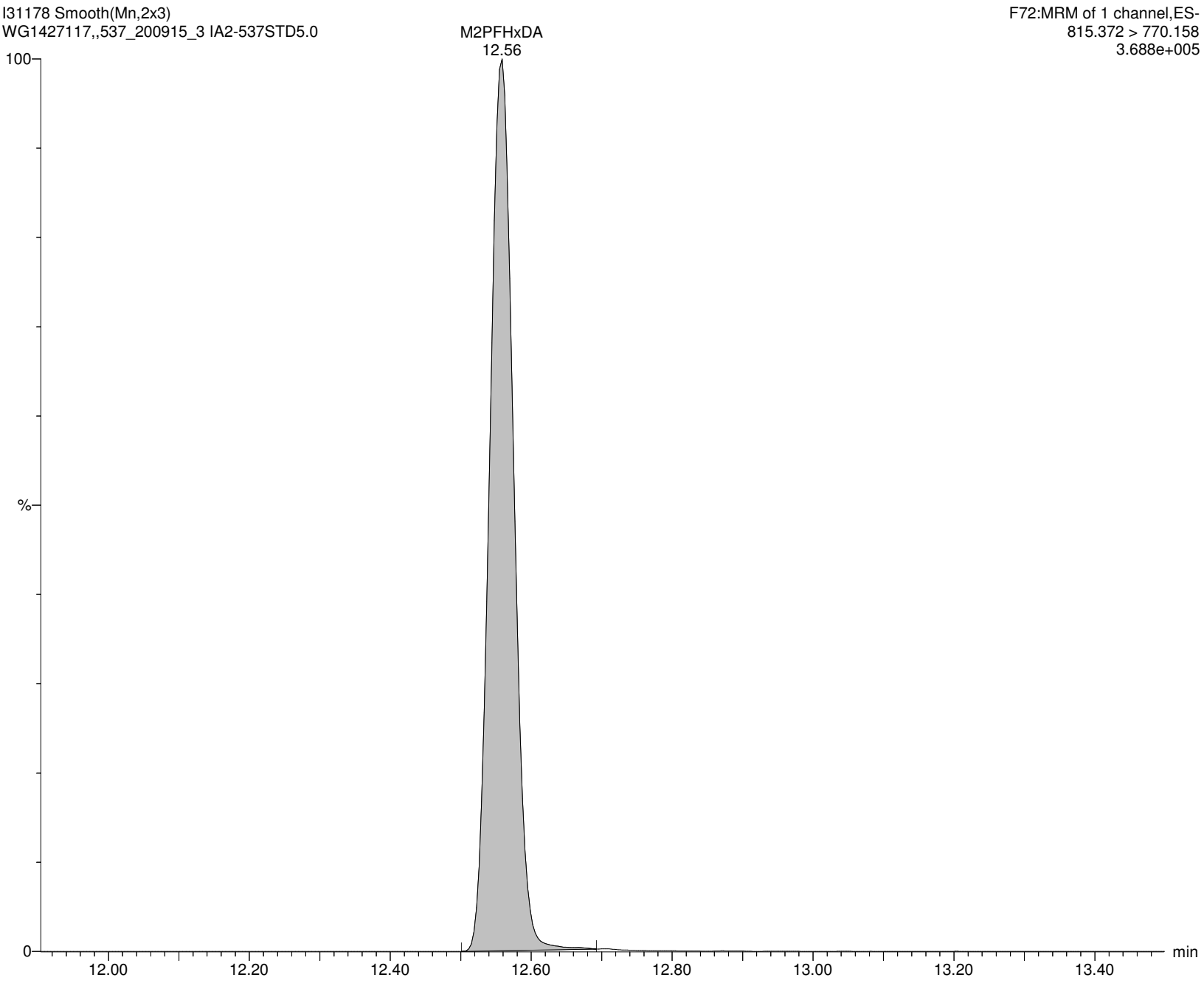

all concentration units in (ng/mL)

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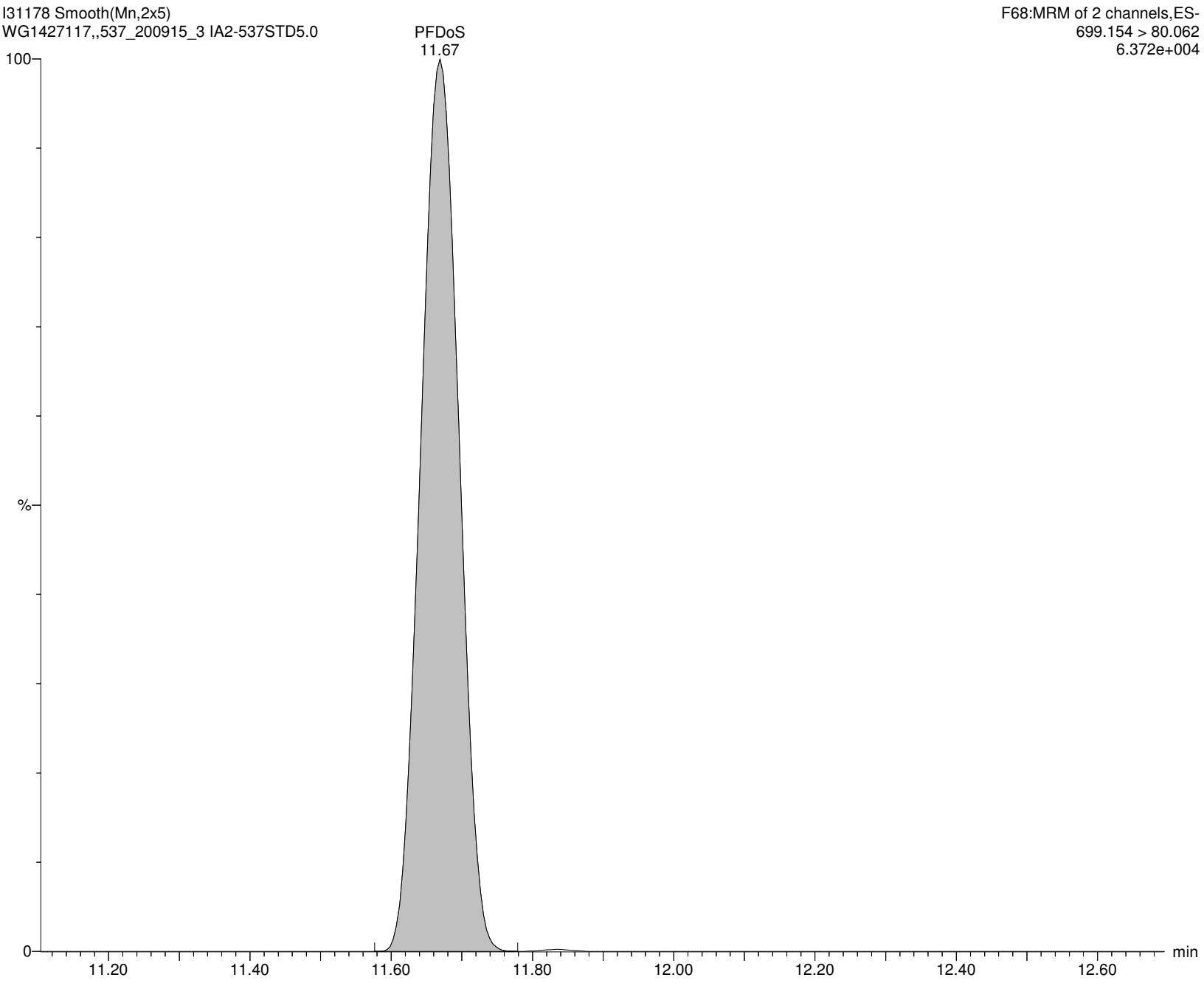

all concentration units in (ng/mL)

Alpha Analytical Inc.
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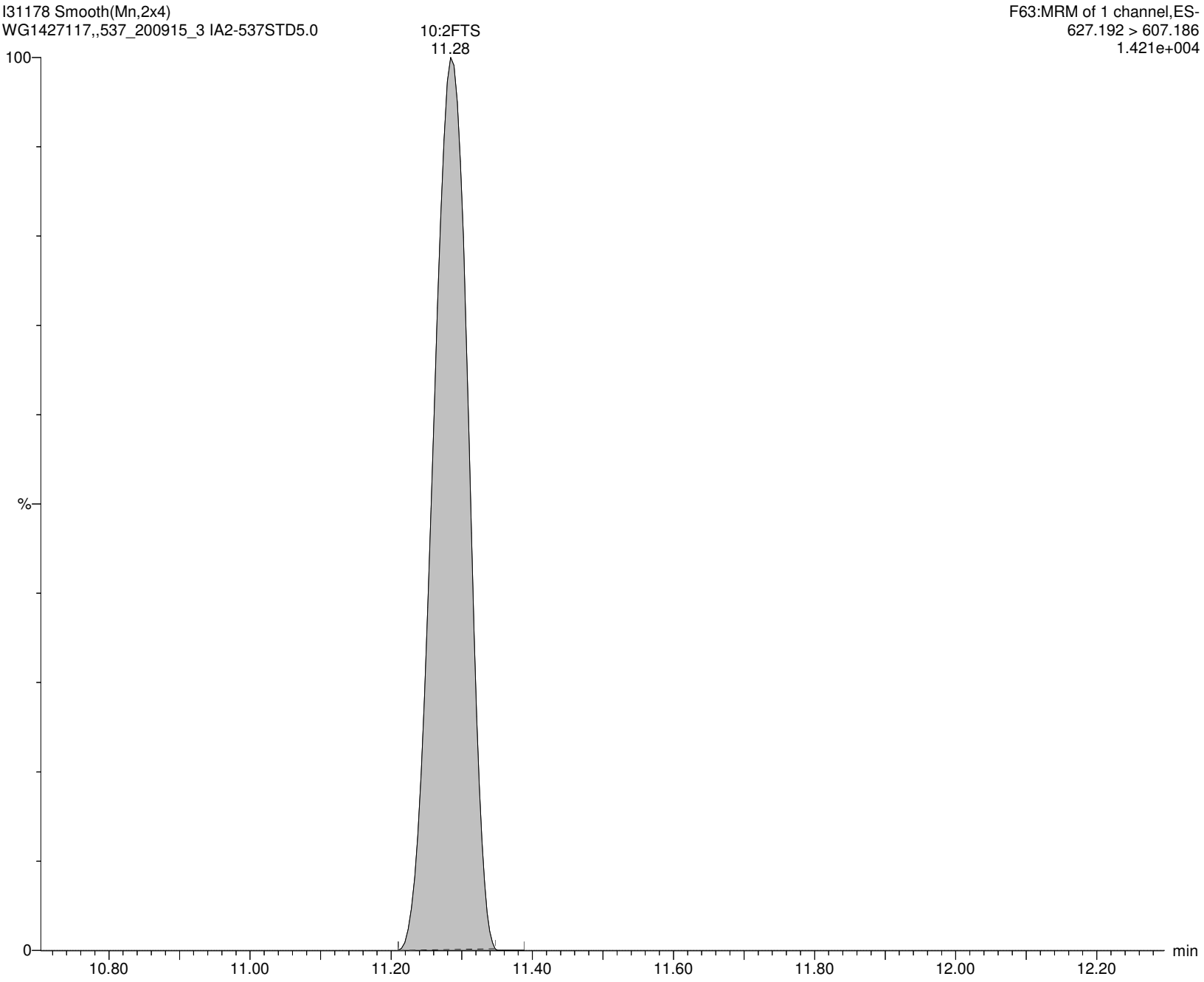

all concentration units in (ng/mL)

Alpha Analytical Inc.
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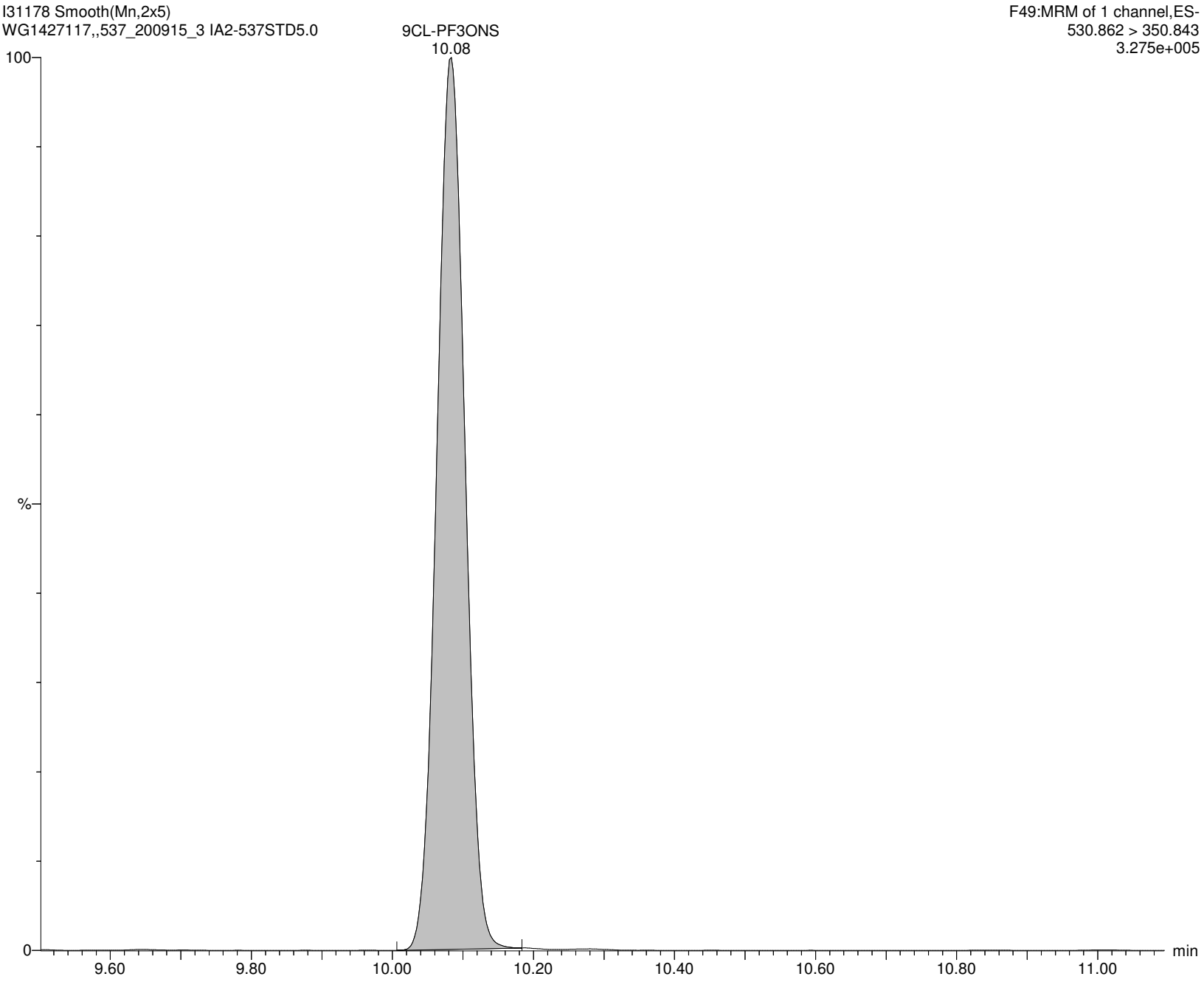
9CL-PF3ONS



all concentration units in (ng/mL)

Alpha Analytical Inc.
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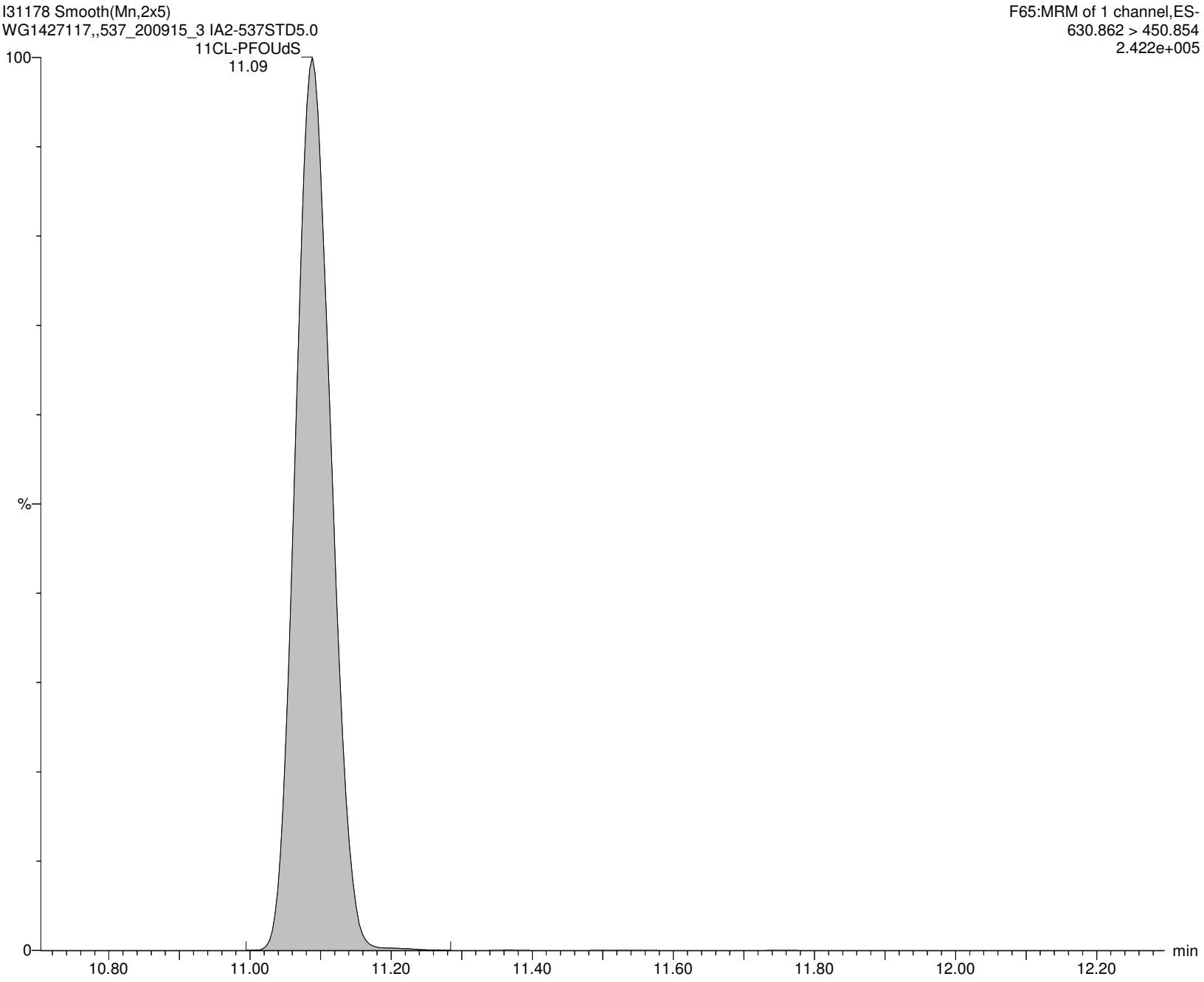

all concentration units in (ng/mL)

Alpha Analytical Inc.
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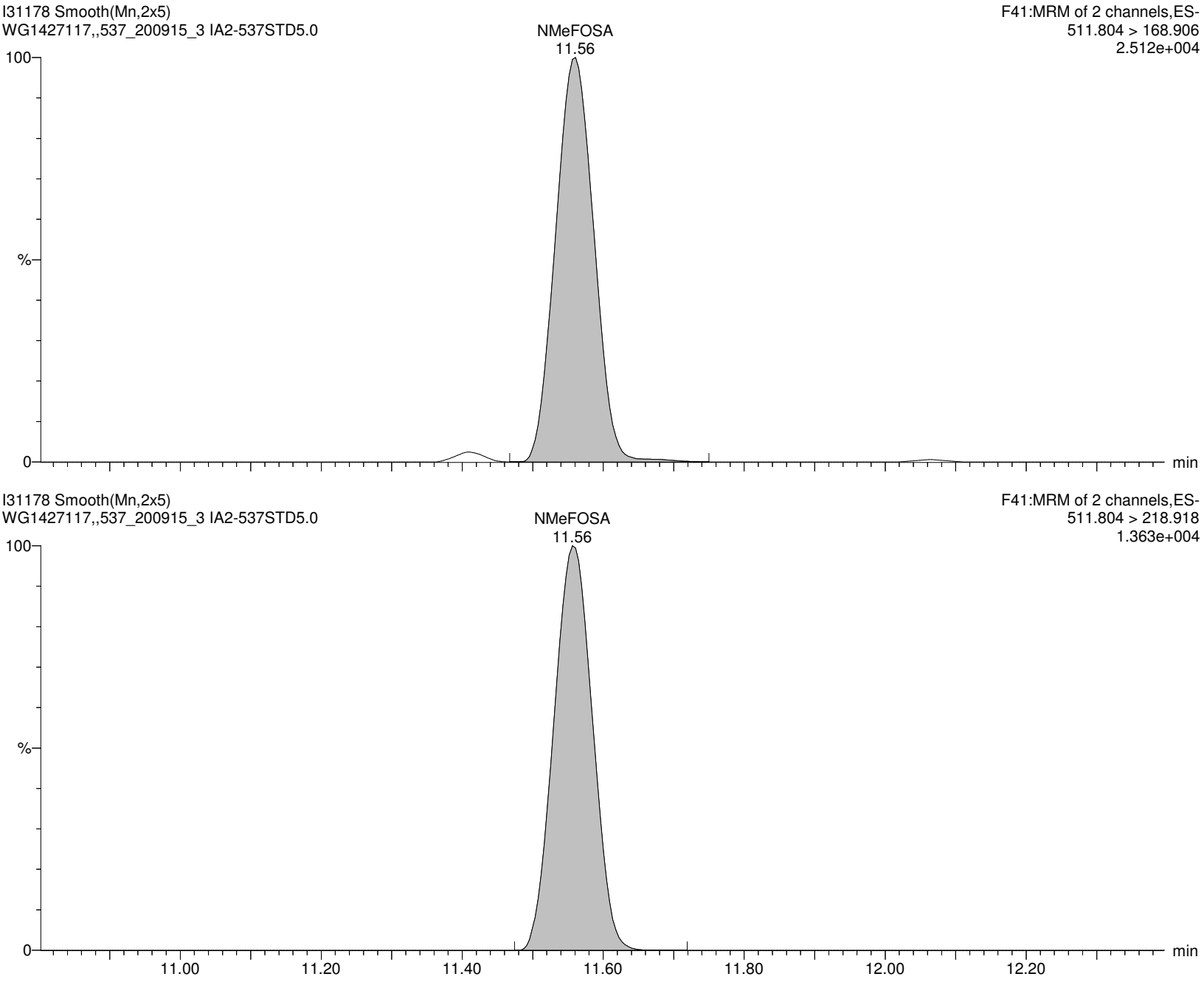

all concentration units in (ng/mL)

Alpha Analytical Inc.
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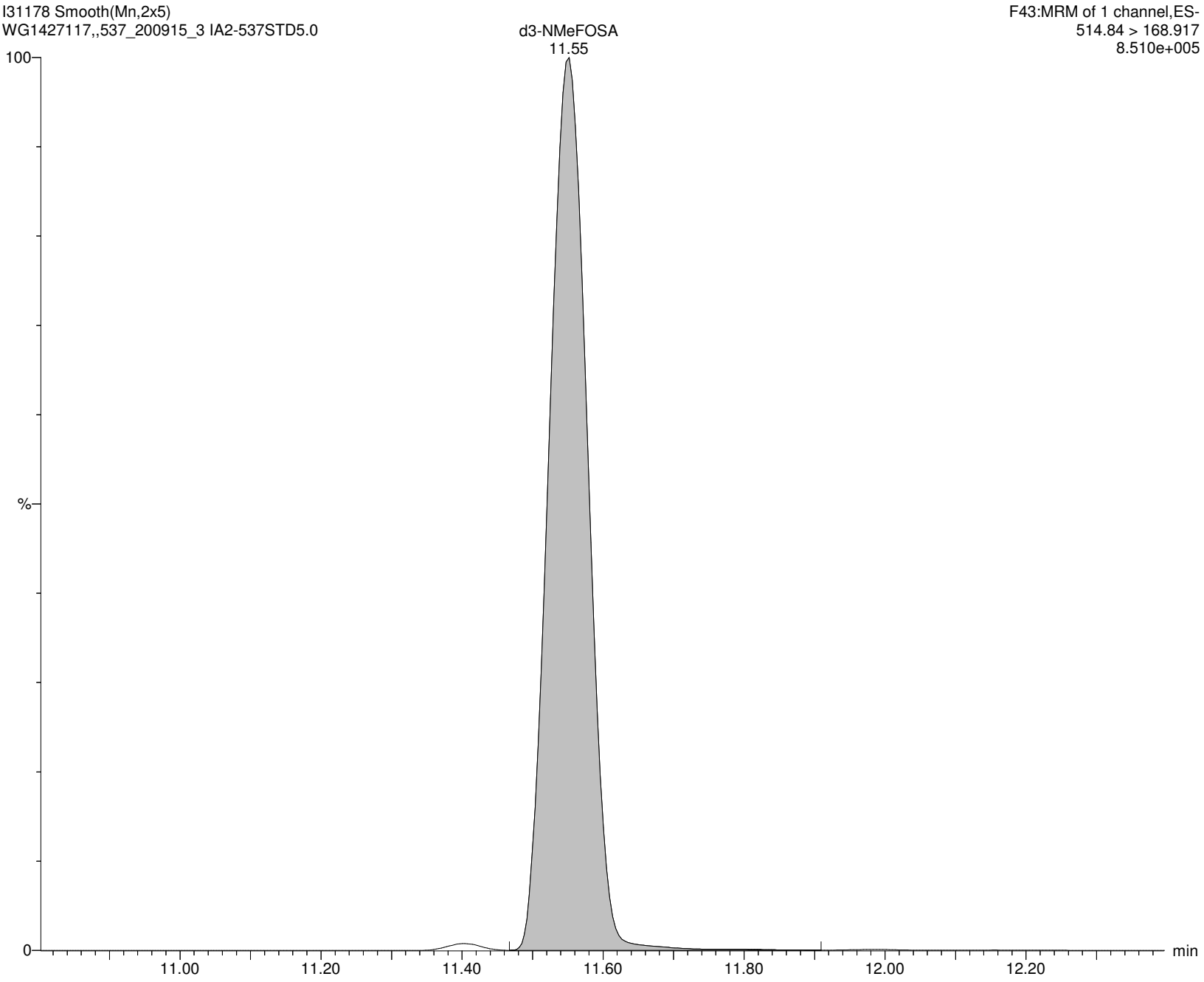
d3-NMeFOSA



all concentration units in (ng/mL)

Alpha Analytical Inc.
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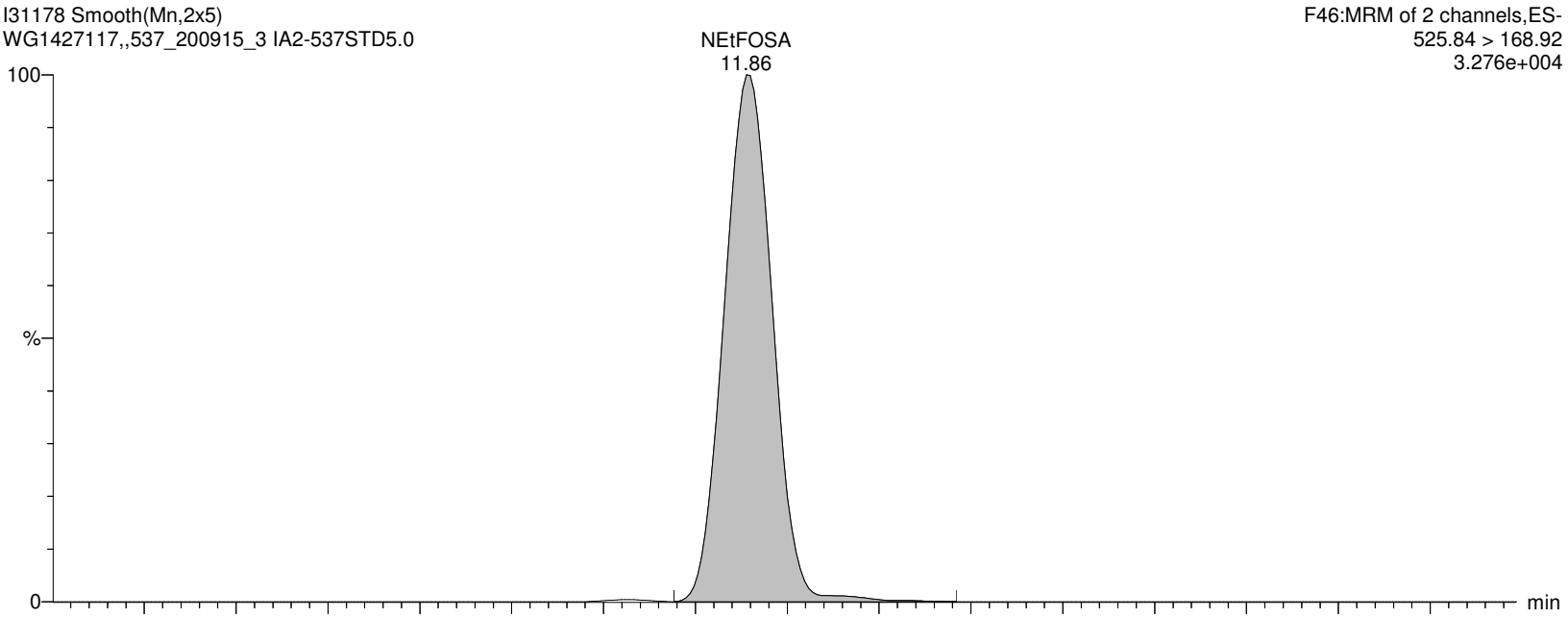

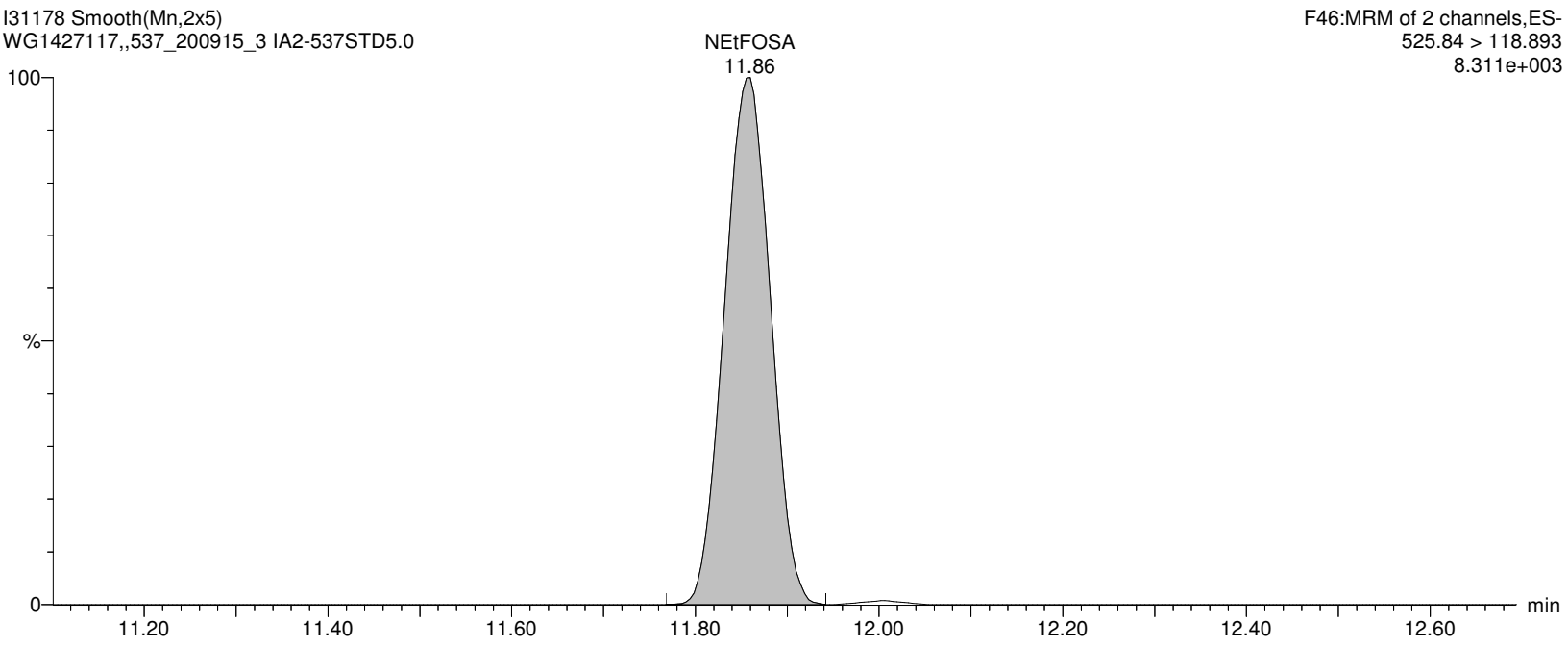

all concentration units in (ng/mL)

Alpha Analytical Inc.
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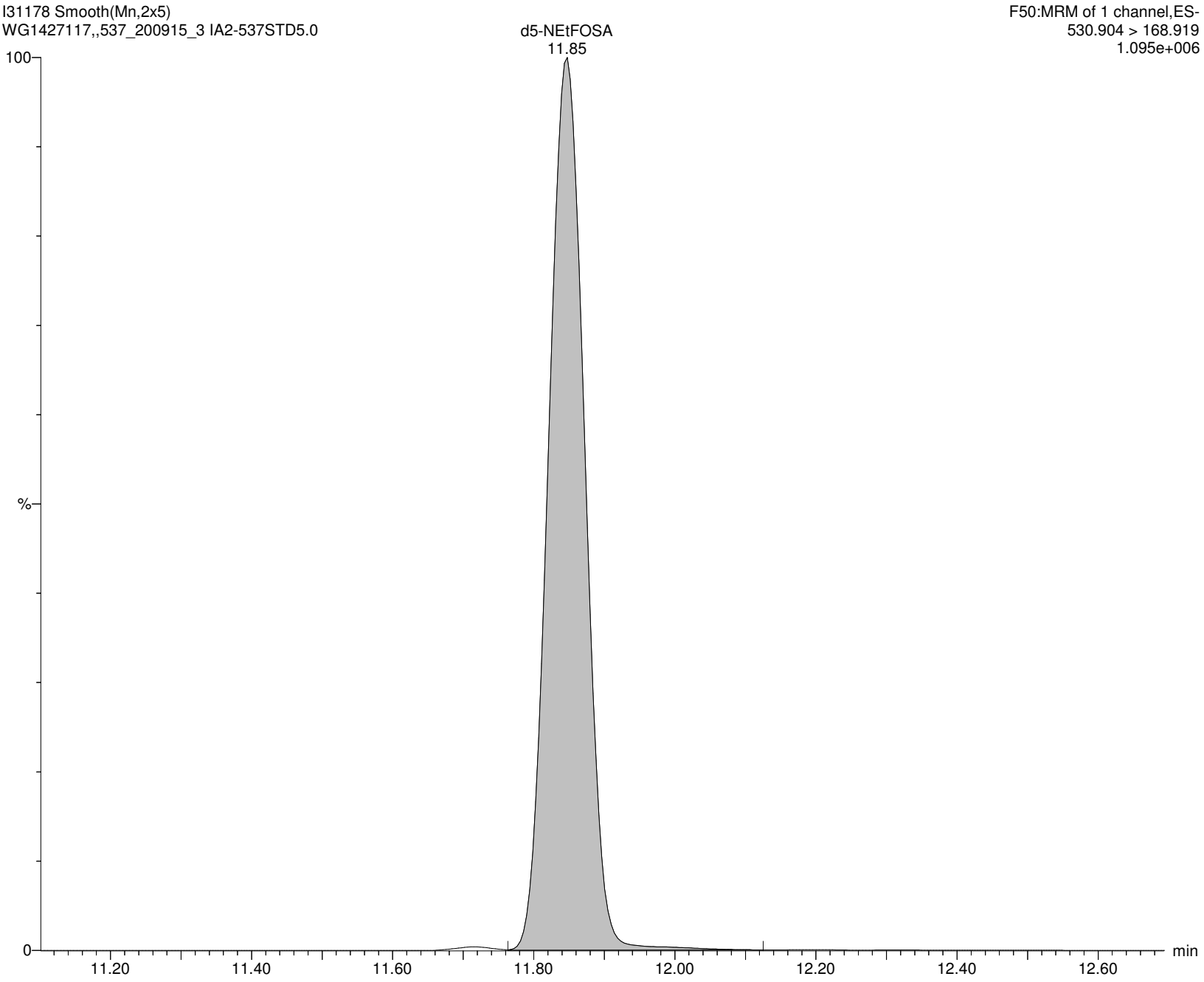

all concentration units in (ng/mL)

Alpha Analytical Inc.
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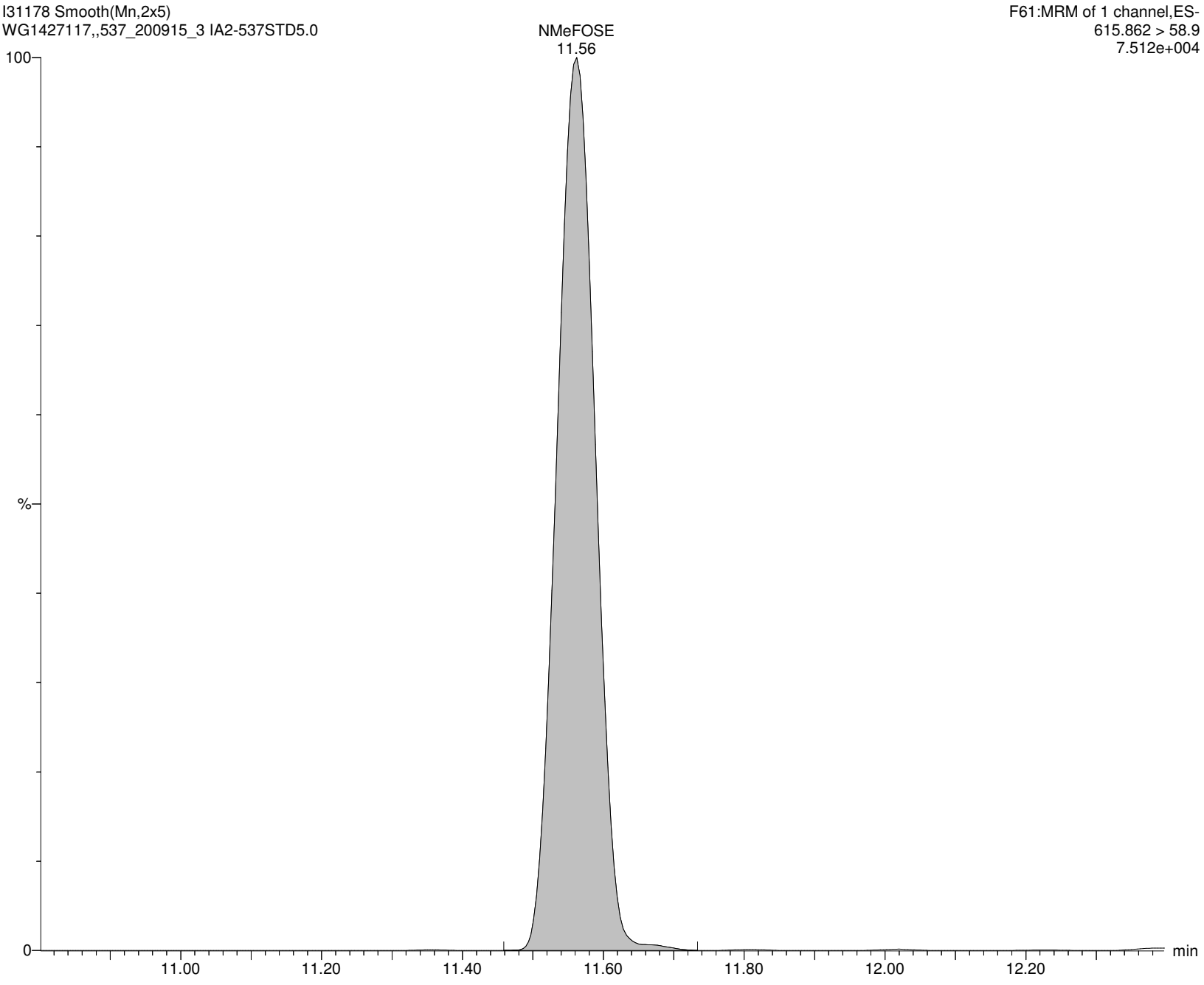

all concentration units in (ng/mL)

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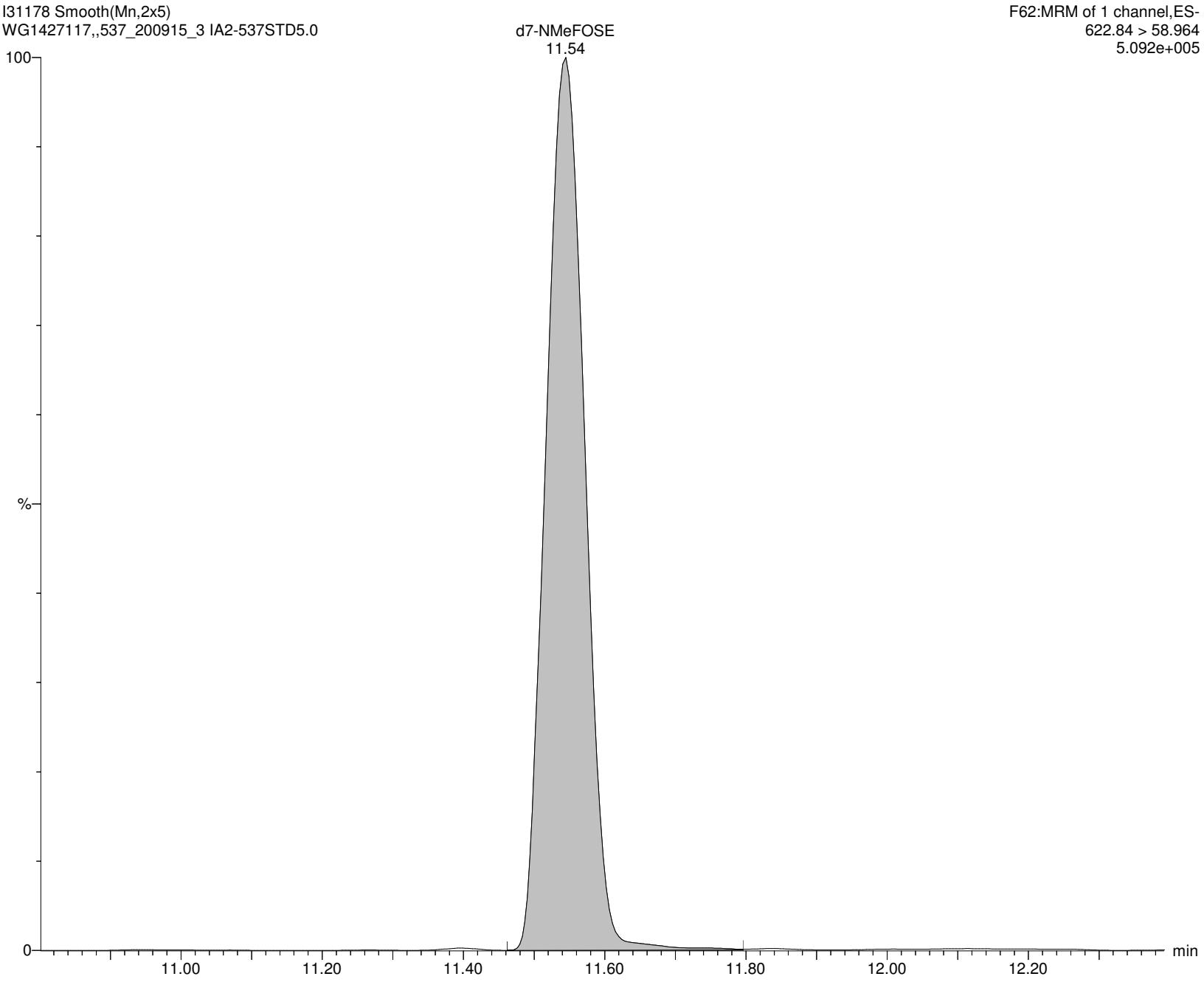

all concentration units in (ng/mL)

Alpha Analytical Inc.
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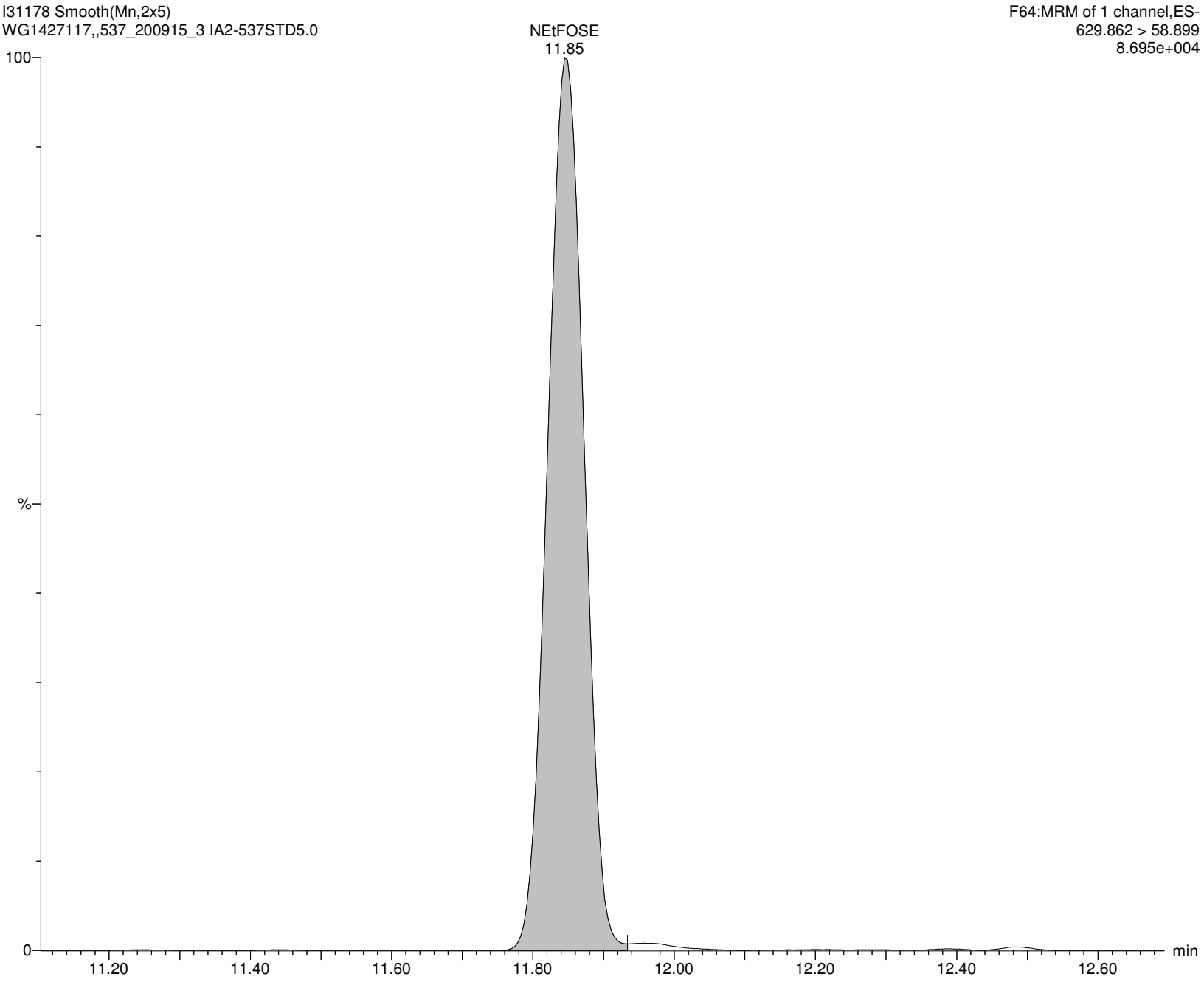
NEtFOSE



all concentration units in (ng/mL)

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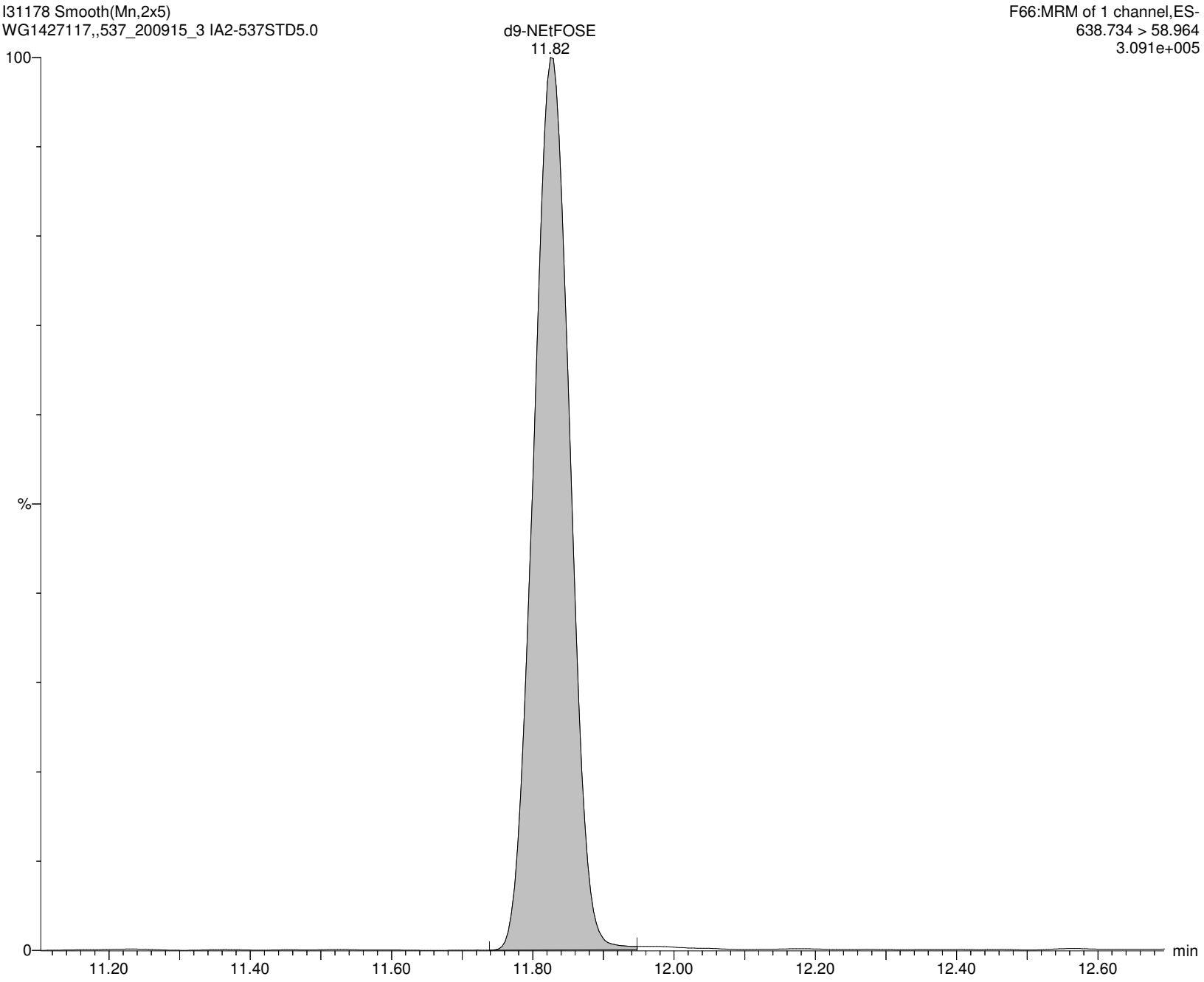

all concentration units in (ng/mL)

Alpha Analytical Inc.
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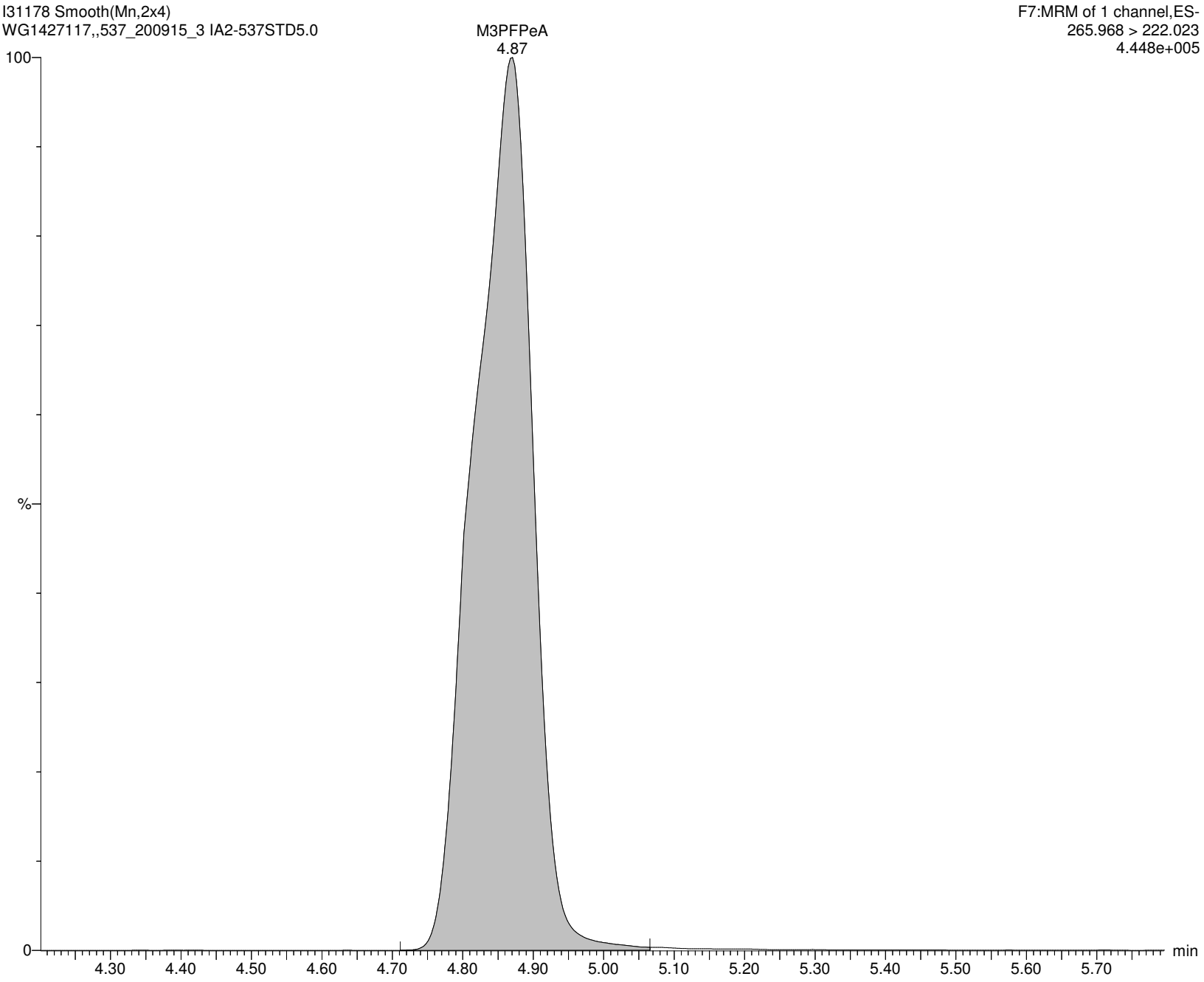

all concentration units in (ng/mL)

Alpha Analytical Inc.
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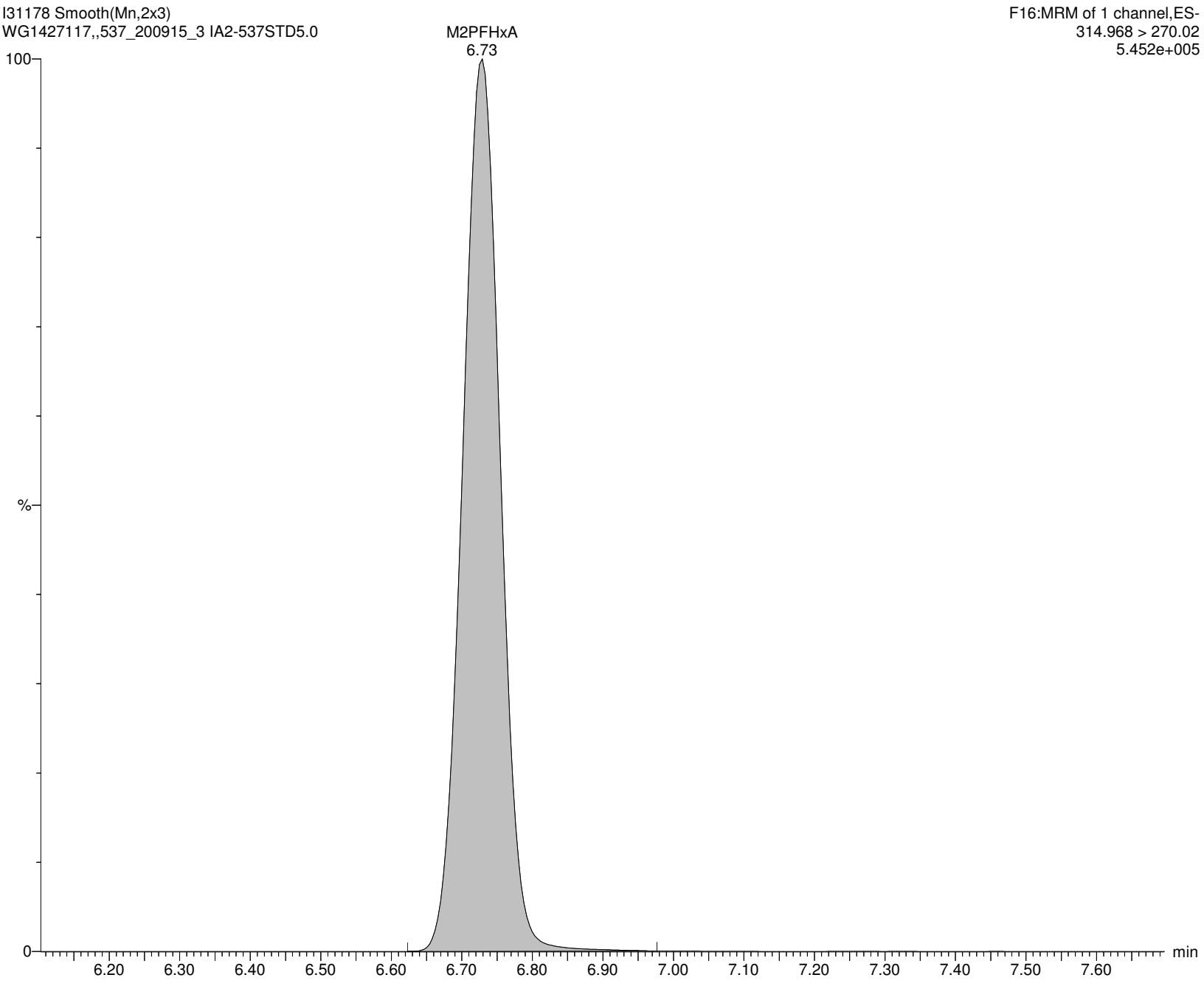

all concentration units in (ng/mL)

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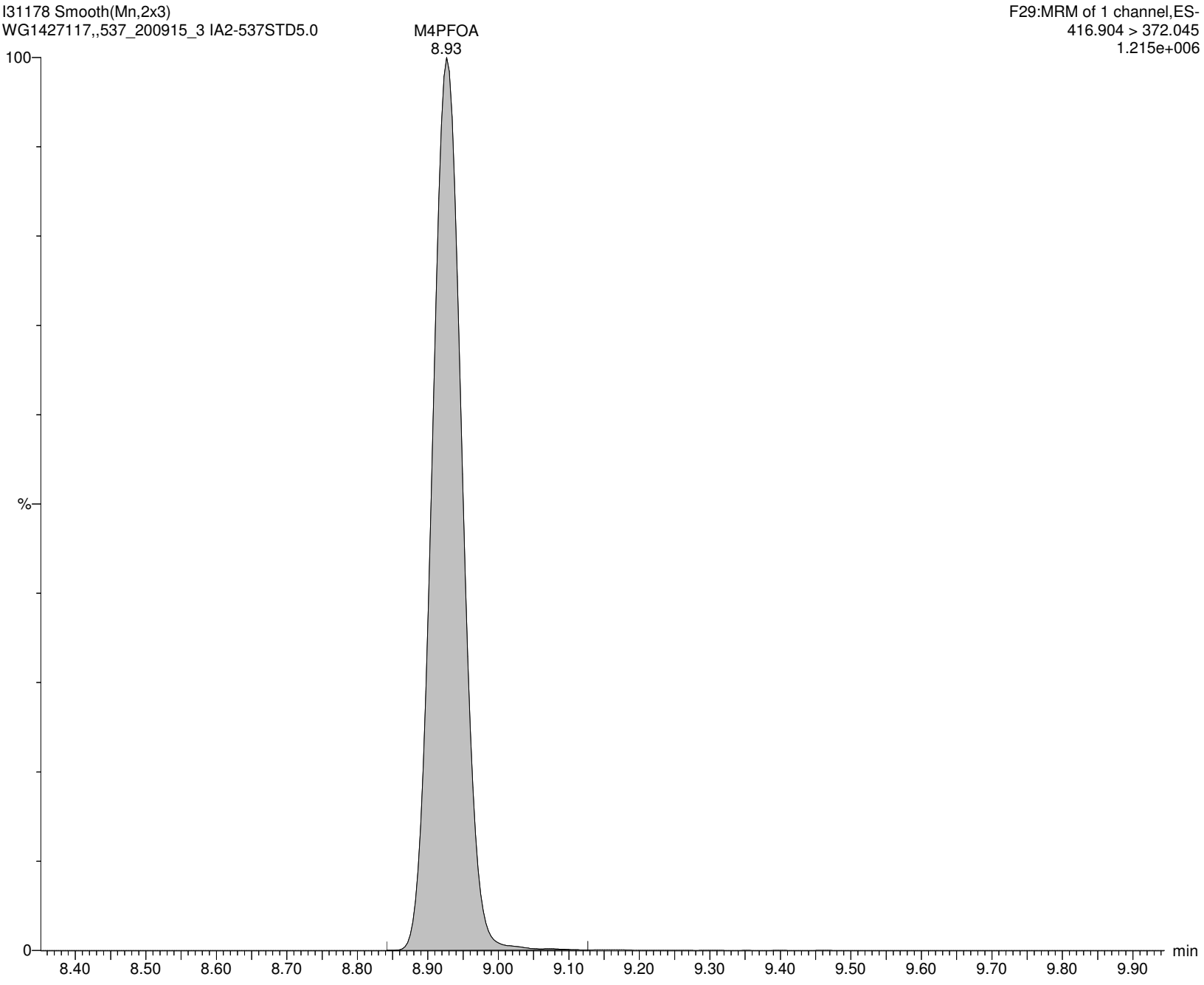
M4PFOA



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:15:51 Eastern Daylight Time

Method: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\MethDB\537ISO_Q_201027_TOP.mdb 15 Sep 2020 15:13:47
Calibration: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\CurveDB\201027_ISO_ICAL.cdb 28 Oct 2020 10:14:48

ID: IA2-537STD10.0
Name: I31179
Date: 27-Oct-2020
Time: 18:30:17
Description: WG1427117,,537_200915_4
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:JW
Inlet Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\200520_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4	2.00	212.926 > 169.111	27088		9.743		na	97.4
2	M3PFBA	INT STD	2.01	215.926 > 172.122	30035		10.226		na	102.3
3	MPFBA	INT STD	2.00	216.926 > 172.137	36337		10.006		na	100.1
4	PFPeA	2706-90-3	4.85	262.926 > 219.002	32833		9.657		na	96.6
5	M5PFPEA	INT STD	4.86	267.989 > 223.081	47489		10.157		na	101.6
6	PFBS	375-73-5	5.51	298.926 > 79.923	8637		8.527	1.91	NO	96.3
7	M3PFBS	INT STD	5.51	301.989 > 80.254	9589		9.425		na	94.3
8	4:2FTS	757124-72-4	6.65	326.926 > 306.957	1896		10.118	2.24	NO	108.2
9	M2-4:2FTS	INT STD	6.65	329.117 > 309.079	3066		8.224		na	82.2
10	PFHxA	307-24-4	6.73	312.989 > 269.028	37475		9.659	14.71	NO	96.6
11	M5PFHxA	INT STD	6.73	317.989 > 273.045	42546		9.844		na	98.4
12	PFPeS	2706-91-4	7.05	348.926 > 80.251	7223		8.760	2.04	NO	93.2
13	PFHpA	375-85-9	7.99	362.926 > 319.014	50776		9.676	5.45	NO	96.8
14	M4PFHpA	INT STD	7.99	366.926 > 321.979	54333		10.019		na	100.2
15	br-PFHxS	355-46-4	7.92	398.926 > 80.295	1251	M5,M7	1.766	1.82	NO	103.9
16	L-PFHxS	355-46-4	8.16	398.926 > 80.295	6474		7.255	1.42	NO	98.0
17	PFHxS	355-46-4		398.926 > 80.295	7725		9.021		na	
18	M3PFHxS	INT STD	8.15	401.926 > 80.317	8588		9.539		na	95.4
19	br-PFOA	335-67-1		412.989 > 368.9			ND		YES	
20	L-PFOA	335-67-1	8.93	412.989 > 368.9	59168		9.803	7.36	YES	98.0
21	M2PFOA	INT STD	8.93	415.032 > 369.968	66537		10.654		na	106.5
22	PFOA	335-67-1		412.989 > 368.9	59168		9.803		na	
23	M8PFOA	INT STD	8.93	420.989 > 375.979	72235		9.887		na	98.9
24	6:2FTS	27619-97-2	8.89	427.161 > 407.155	2668		10.147	15.48	NO	106.8
25	M2-6:2FTS	INT STD	8.89	429.146 > 409.14	3350		8.224		na	82.2
26	PFHpS	375-92-8	9.02	448.926 > 80.257	6600		9.202	1.10	NO	96.9
27	PFNA	375-95-1	9.68	462.989 > 418.931	51532		9.787	3.15	NO	97.9
28	M9PFNA	INT STD	9.68	472.053 > 426.947	28193		10.076		na	100.8
29	br-PFOS	1763-23-1	9.55	498.989 > 80.294	2271	m5,m7	2.001	4.43	YES	100.1
30	L-PFOS	1763-23-1	9.73	498.989 > 80.294	6968		7.417	1.85	NO	101.6
31	PFOS	1763-23-1		498.989 > 80.294	9238		9.418		na	
32	M4PFOS	INT STD	9.73	503.032 > 80.306	8313		11.127		na	111.3
33	M8PFOS	INT STD	9.73	507.053 > 80.294	10282		9.900		na	99.0
34	PFDA	335-76-2	10.29	513.053 > 468.906	42278		9.471	4.47	NO	94.7
35	M2PFDA	INT STD	10.29	515.053 > 469.934	47356		10.902		na	109.0
36	M6PFDA	INT STD	10.29	519.053 > 473.931	52056		10.051		na	100.5
37	8:2FTS	39108-34-4	10.28	527.177 > 507.171	1564	m7	11.257	261.67	YES	117.3
38	M2-8:2FTS	INT STD	10.28	529.162 > 509.155	2442		8.608		na	86.1
39	PFNS	68259-12-1	10.32	548.989 > 80.249	7955		9.783	1.54	NO	101.9

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:15:51 Eastern Daylight Time

ID: IA2-537STD10.0
Name: I31179
Date: 27-Oct-2020
Time: 18:30:17
Description: WG1427117,,537_200915_4
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:JW
Inlet Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\200520_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.71	573.22 > 419.061	4776		8.846		na	88.5
41	br-NMeFOSAA		10.55	570.202 > 419.061	352	m5,m7	2.033	1.21	YES	84.7
42	L-NMeFOSAA		10.71	570.202 > 419.061	3436		7.843	2.54	YES	103.2
43	NMeFOSAA	2355-31-9		570.202 > 419.061	3788		9.876		na	
44	PFUnA	2058-94-8	10.82	562.989 > 518.903	41371		9.614	6.05	NO	96.1
45	M7-PFUDA	INT STD	10.82	570.053 > 524.923	46146		10.426		na	104.3
46	PFDS	335-77-3	10.83	598.926 > 80.314	8037		10.144	1.53	NO	105.1
47	FOSA	754-91-6	10.94	498.146 > 78.07	28227		9.829	137.45	YES	98.3
48	M8FOSA	INT STD	10.94	506.077 > 78.07	32913		9.607		na	96.1
49	br-NEtFOSAA		10.86	584.229 > 419.061	328	m5,m7	2.625	8.47	YES	116.7
50	L-NEtFOSAA		11.01	584.229 > 419.061	2503		7.915	3.39	NO	102.1
51	NEtFOSAA	2991-50-6		584.229 > 419.061	2831		10.540		na	
52	d5-NEtFOSAA	INT STD	11.00	589.259 > 419.061	3912		9.088		na	90.9
53	PFDoA	307-55-1	11.27	612.989 > 568.967	48308		9.996	11.84	NO	100.0
54	MPFDOA	INT STD	11.28	614.989 > 569.92	48958		9.847		na	98.5
55	PFTrDA	72629-94-8	11.67	663.053 > 618.969	54943		10.935	9.79	NO	109.3
56	PFTA	376-06-7	12.02	713.053 > 668.976	44157		9.791	6.71	NO	97.9
57	M2PFTEDA	INT STD	12.02	715.094 > 670.092	23655		9.689		na	96.9
58	M3HFPO-DA	INT STD	7.14	287.02 > 169.022	5369		203.679		na	101.8
59	HFPO-DA	13252-13-6	7.15	284.819 > 169.094	5620		234.236	6.84	NO	117.1
60	ADONA	958445-44-8	8.17	376.926 > 251.005	77261		9.905		na	104.7
61	PFHxDA		12.56	813.253 > 769.005	19071		9.393		na	93.9
62	PFODA		12.77	913.411 > 869.131	9801		9.429		na	94.3
63	M2PFHxDA		12.56	815.372 > 770.158	14662		9.946		na	99.5
64	PFDoS		11.67	699.154 > 80.062	8758		9.962		na	99.6
65	10:2FTS		11.28	627.192 > 607.186	1660	m4	10.850		na	112.6
66	9CL-PF3ONS		10.08	530.862 > 350.843	29380		8.568		na	91.9
67	11CL-PFOUdS		11.09	630.862 > 450.854	26155		8.426		na	89.4
68	NMeFOSA		11.56	511.804 > 168.906	3406		9.888	1.77	NO	98.9
69	d3-NMeFOSA		11.55	514.84 > 168.917	53171		102.225		na	92.9
70	NEtFOSA		11.86	525.84 > 168.92	4011		9.654	4.38	NO	96.5
71	d5-NEtFOSA		11.84	530.904 > 168.919	63402		99.449		na	90.4
72	NMeFOSE		11.56	615.862 > 58.9	8898		10.198		na	102.0
73	d7-NMeFOSE		11.54	622.84 > 58.964	32555		103.167		na	93.8
74	NEtFOSE		11.85	629.862 > 58.899	9854		11.239		na	112.4
75	d9-NEtFOSE		11.82	638.734 > 58.964	17572		95.765		na	87.1
76	M3PFPeA		4.87	265.968 > 222.023	44314		10.516		na	105.2
77	M2PFHxA		6.72	314.968 > 270.02	34811		10.517		na	105.2
78	M4PFOA		8.93	416.904 > 372.045	59770		10.577		na	105.8

all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:15:51 Eastern Daylight Time

Method: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\MethDB\537ISO_Q_201027_TOP.mdb 15 Sep 2020 15:13:47
Calibration: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\CurveDB\201027_ISO_ICAL.cdb 28 Oct 2020 10:14:48

Name: I31179
ID: IA2-537STD10.0
Date: 27-Oct-2020
Time: 18:30:17
Description: WG1427117,,537_200915_4
User: LCMS02:JW
Vial: 1:A,5
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\200520_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

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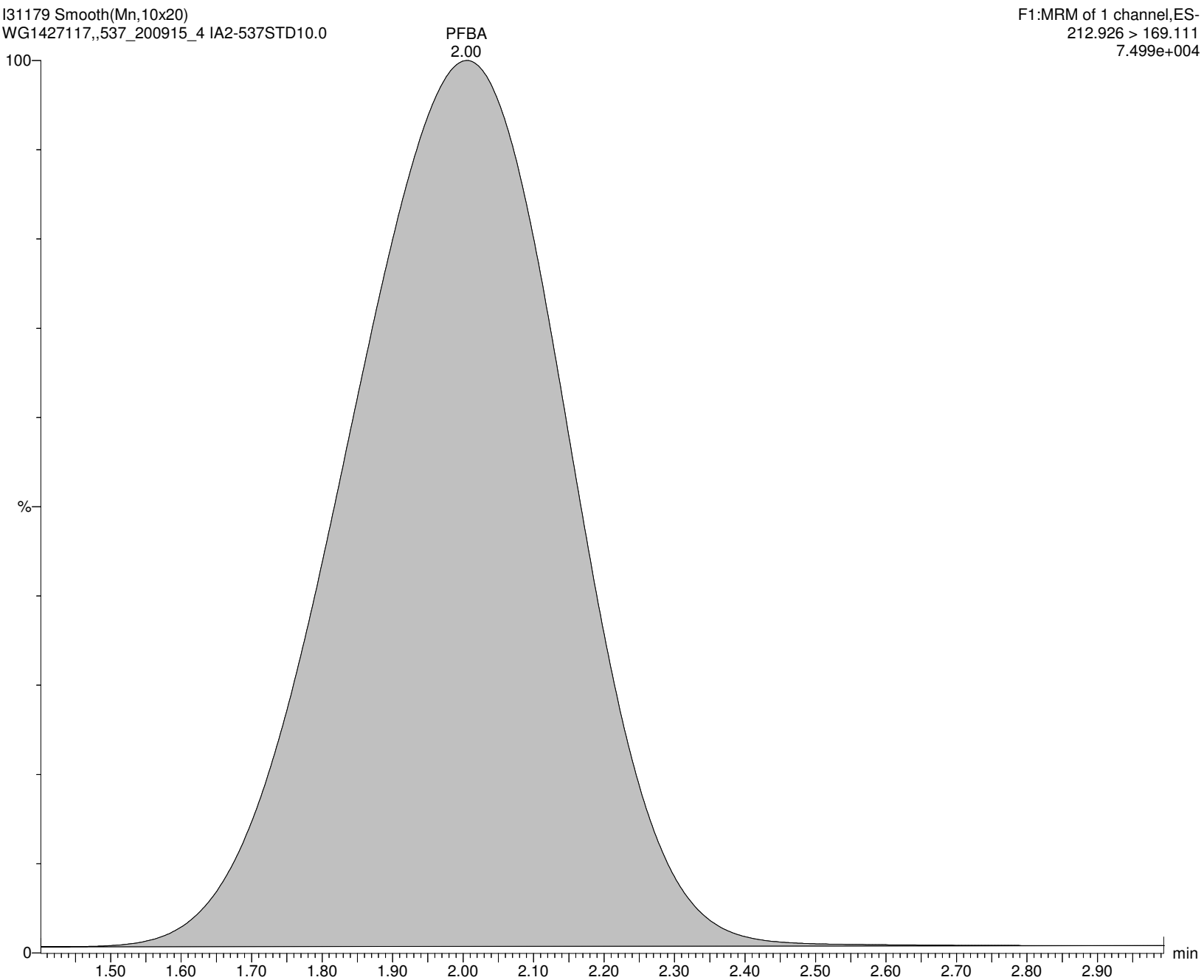

all concentration units in (ng/mL)

Alpha Analytical Inc.
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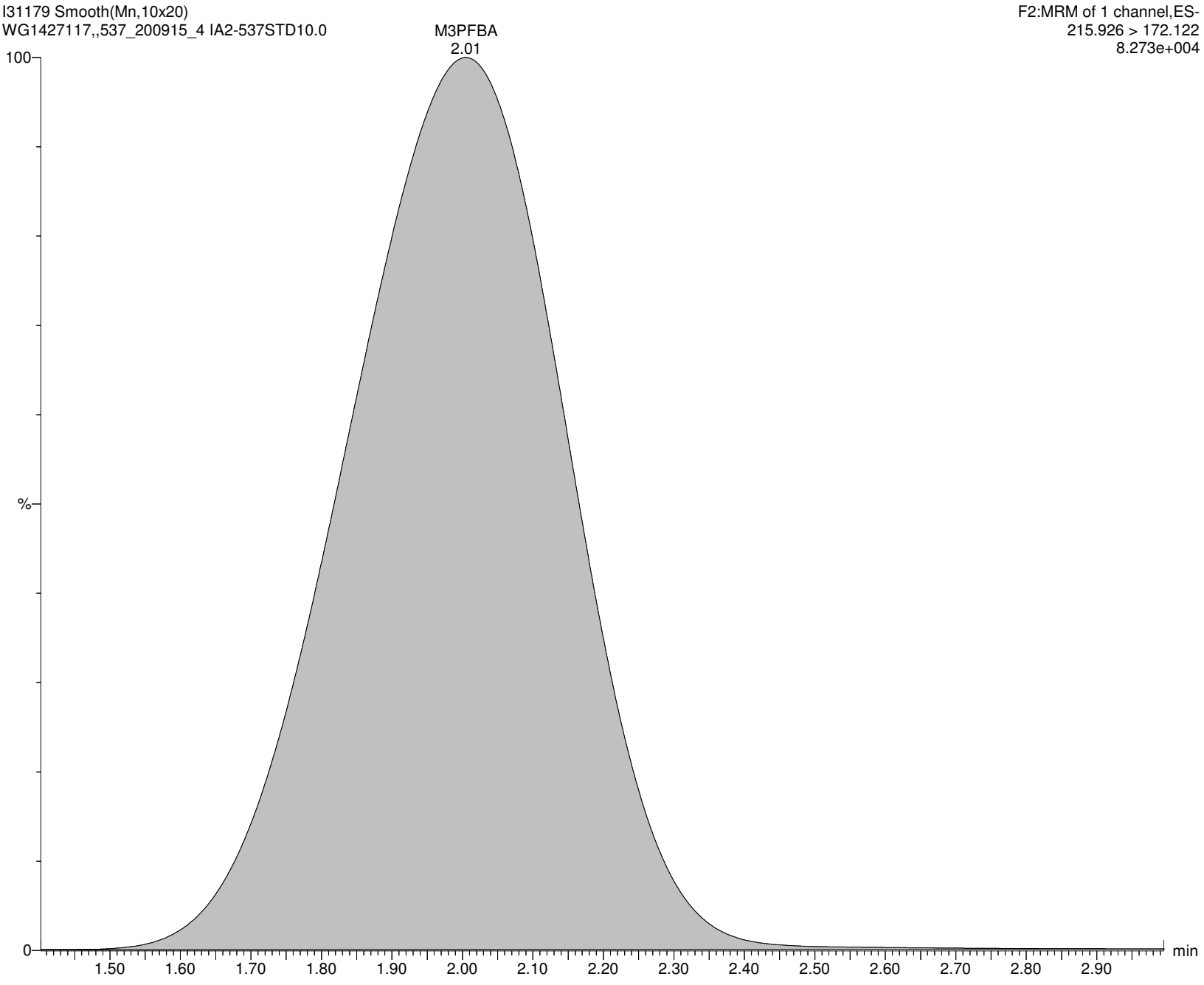
MS Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

M3PFBA



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
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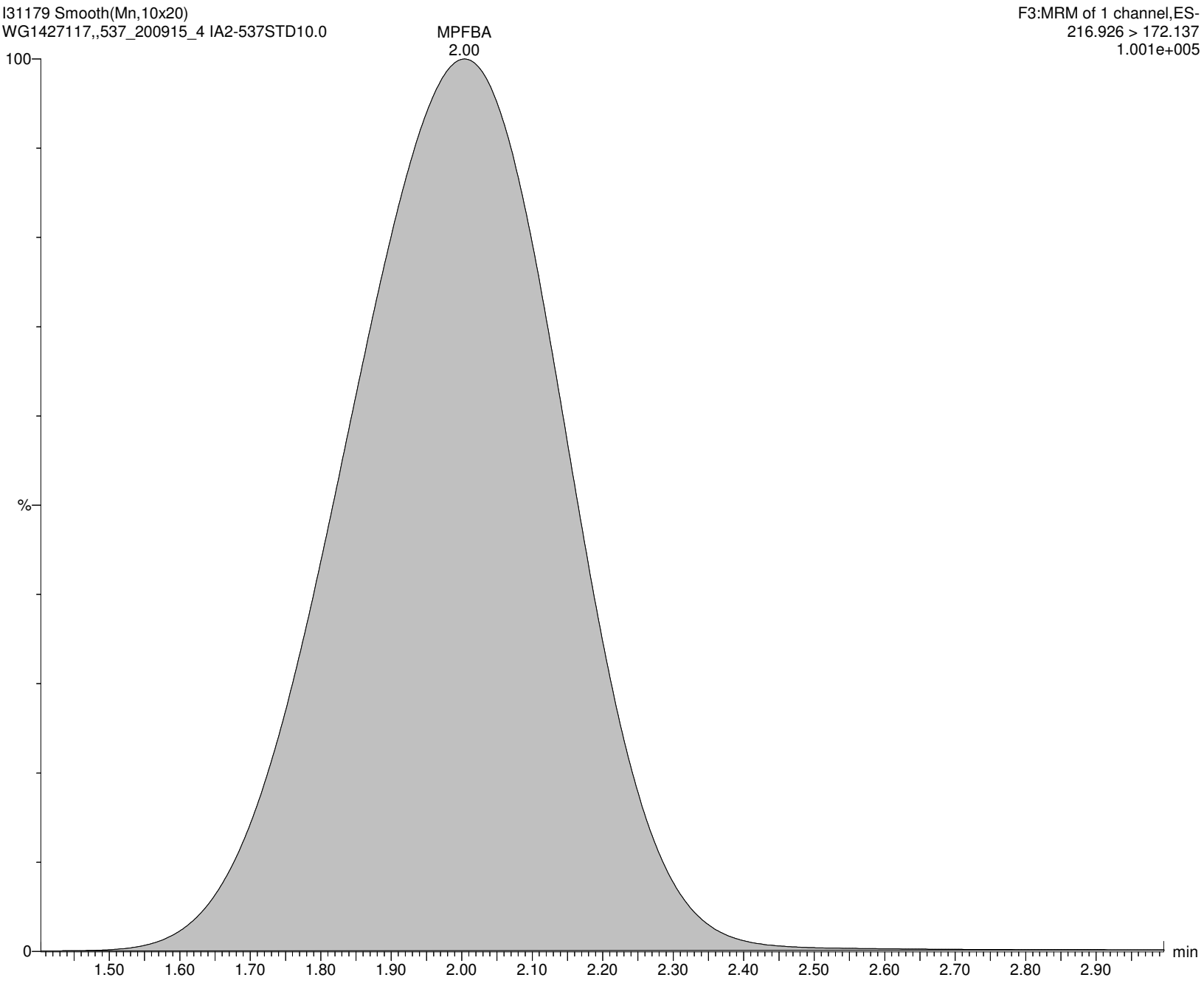

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
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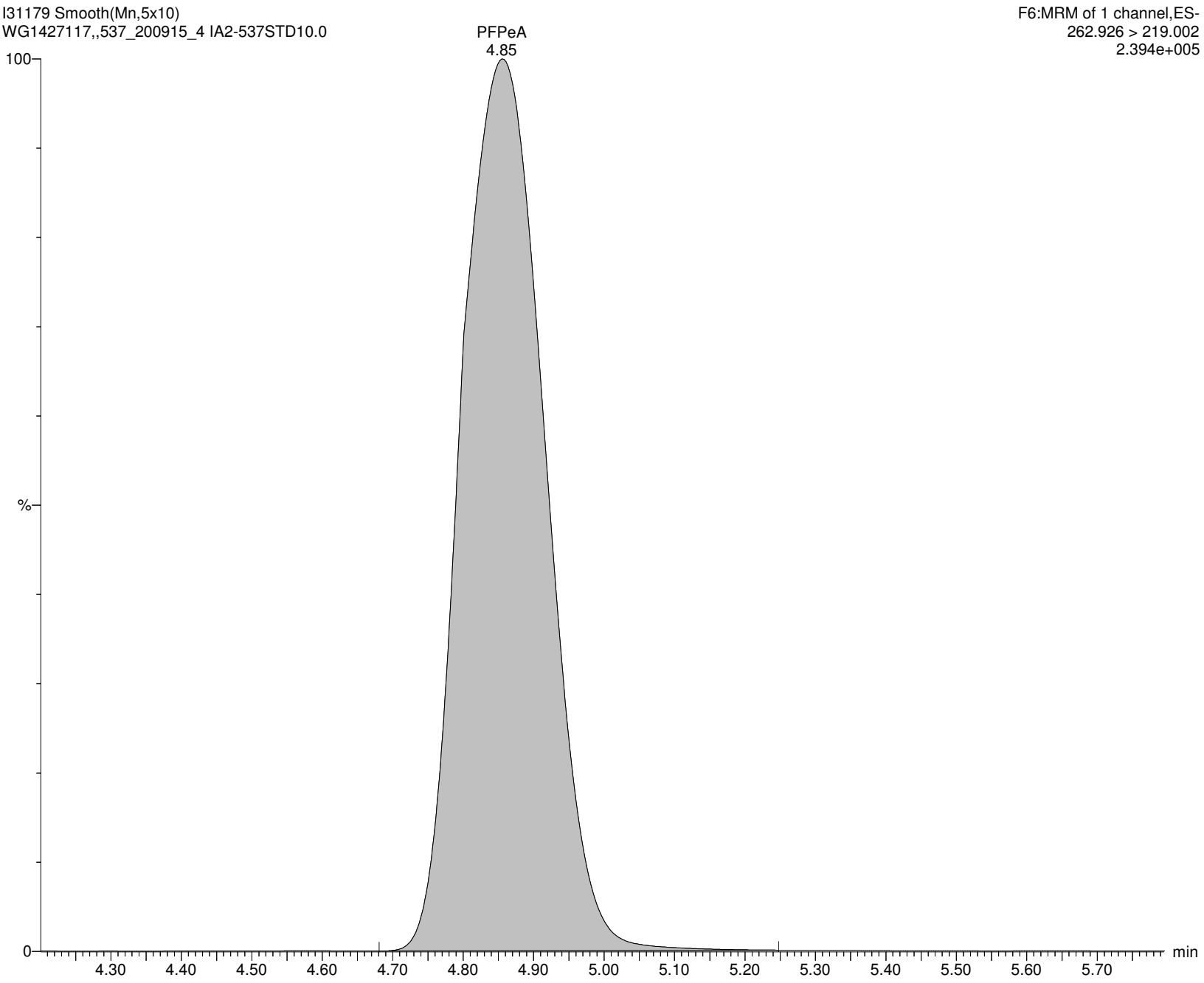

all concentration units in (ng/mL)

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Tune Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\200520_TUNE.IPR
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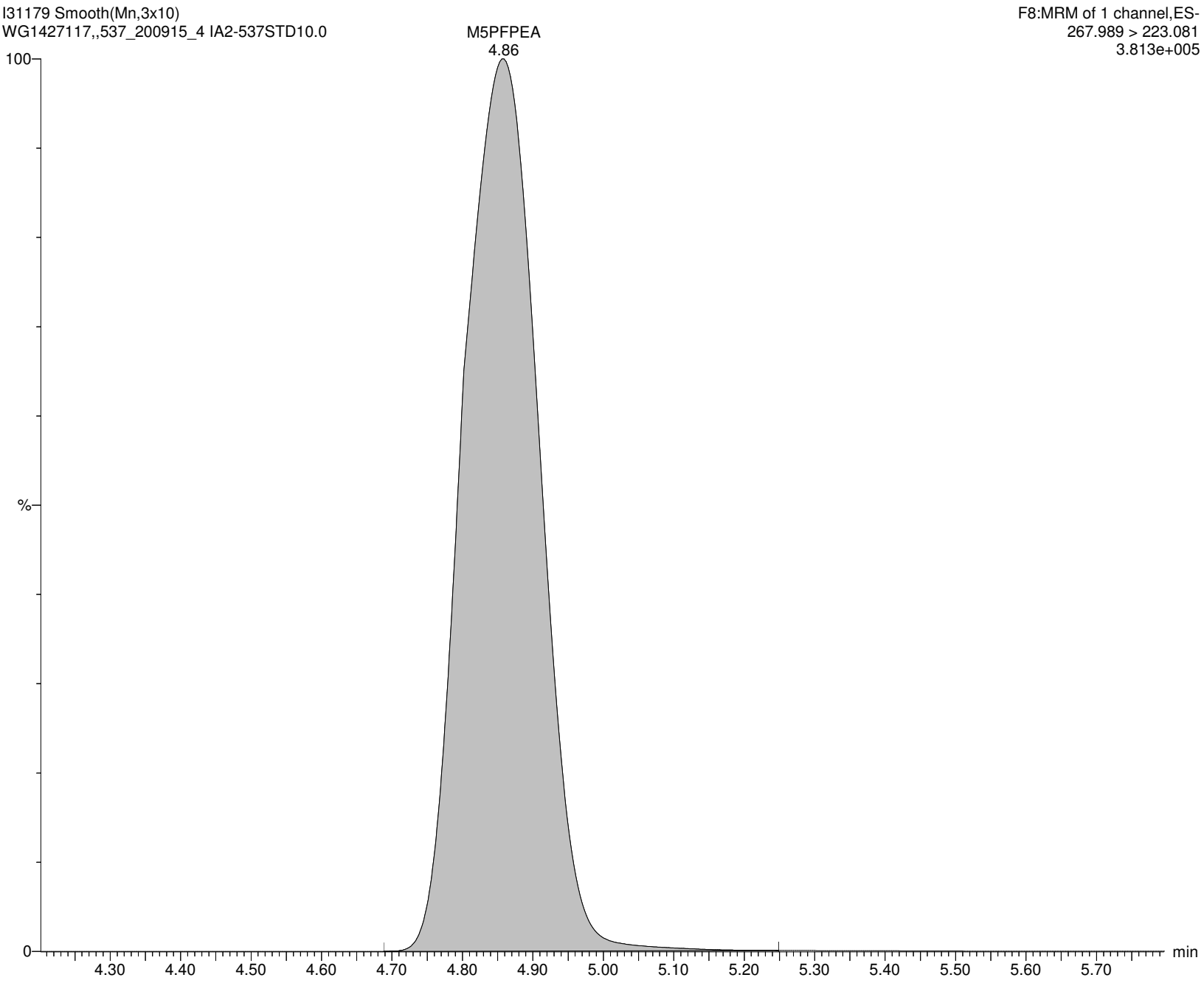
M5PFPEA



all concentration units in (ng/mL)

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Date: 27-Oct-2020
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Description: WG1427117,,537_200915_4
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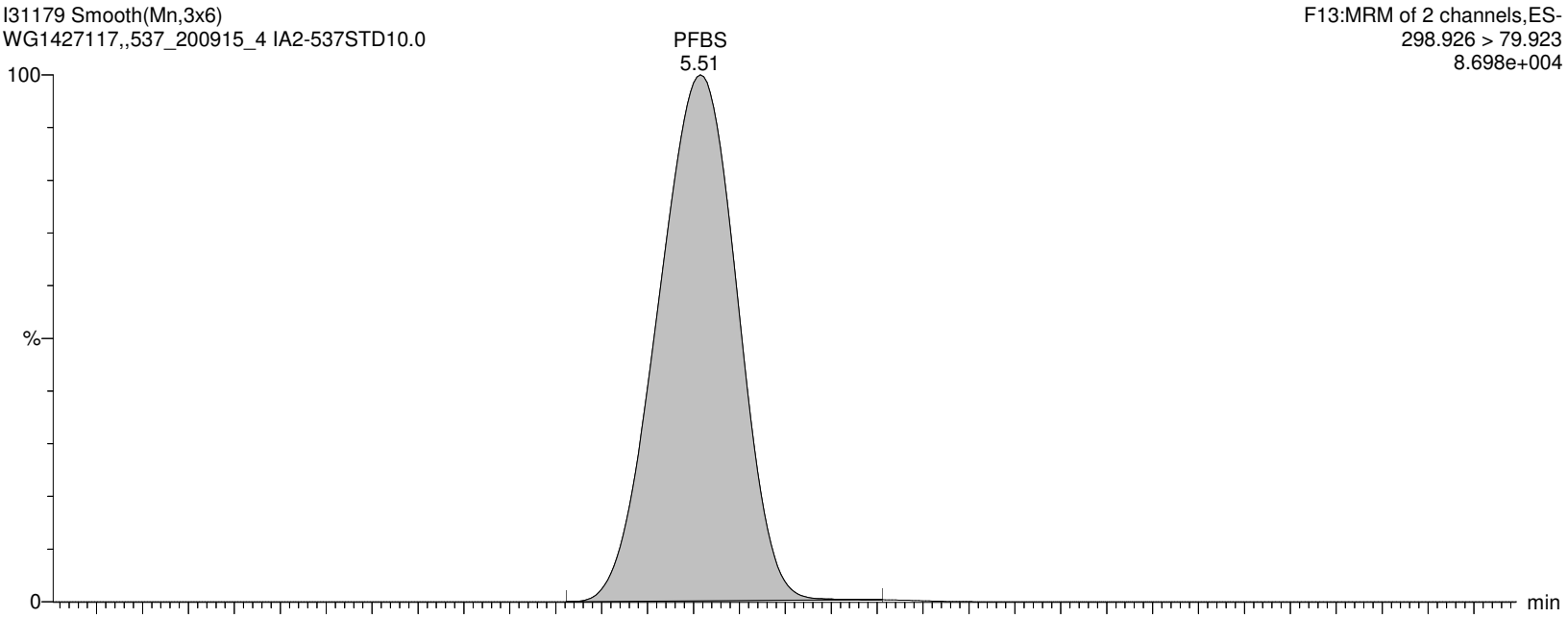
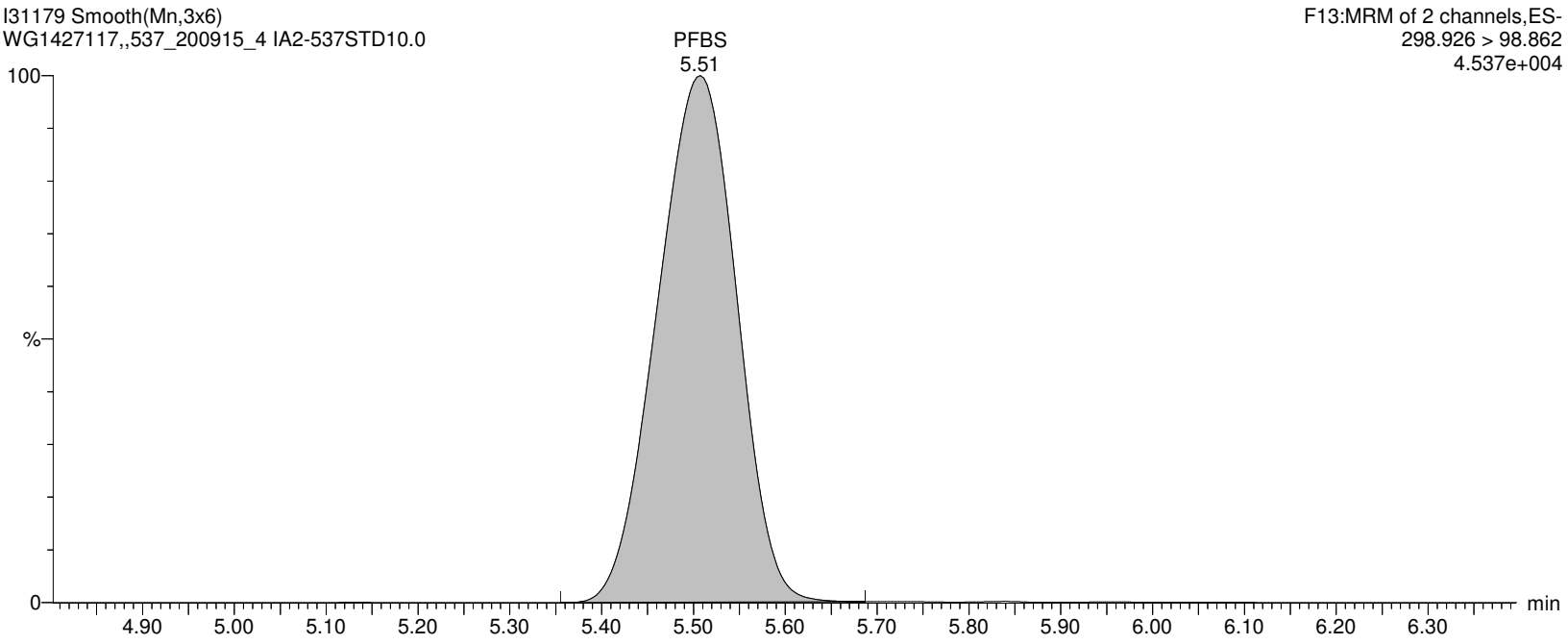
PFBS





Alpha Analytical Inc.
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Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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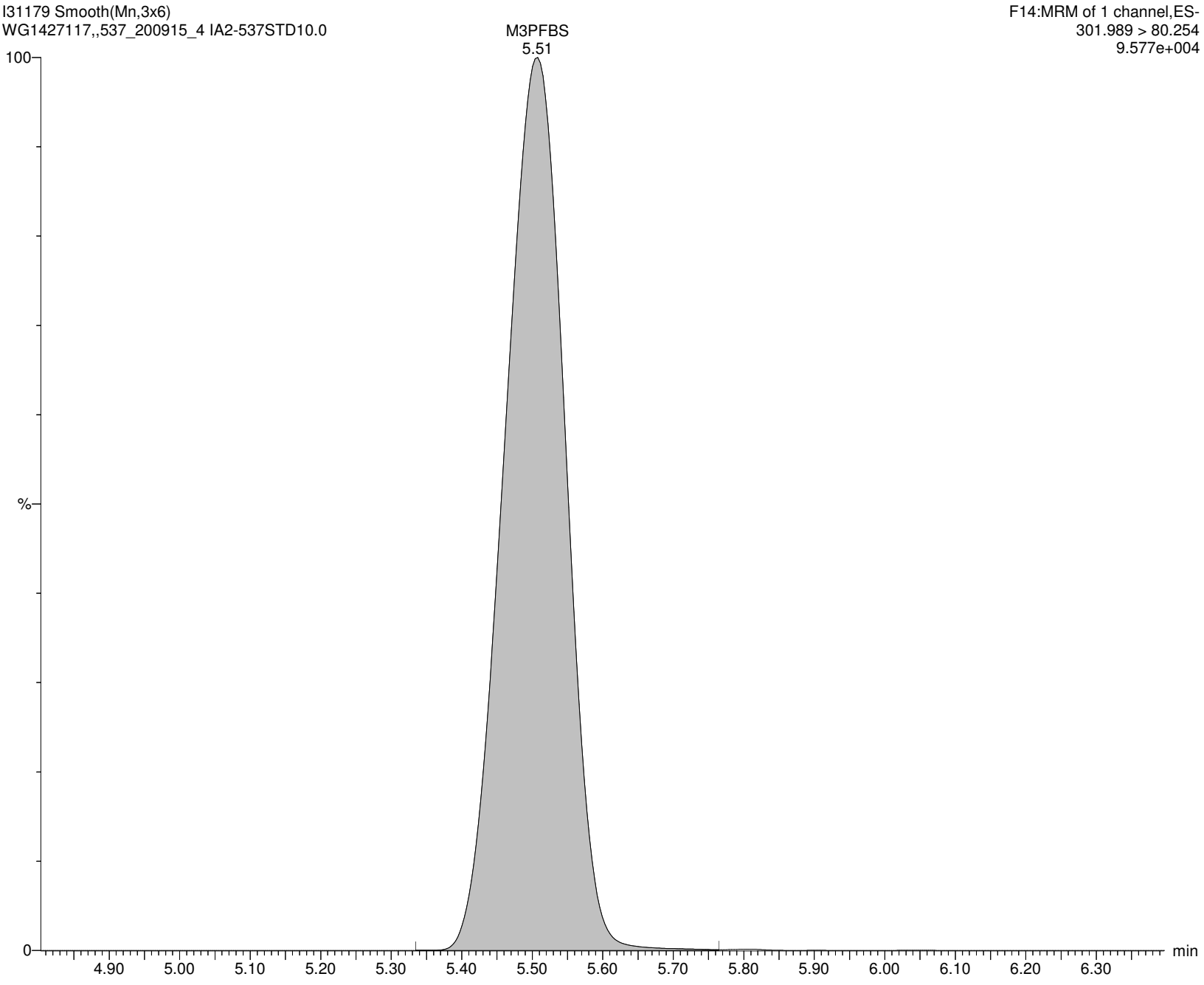
M3PFBS



all concentration units in (ng/mL)

Alpha Analytical Inc.
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User: LCMS02:JW
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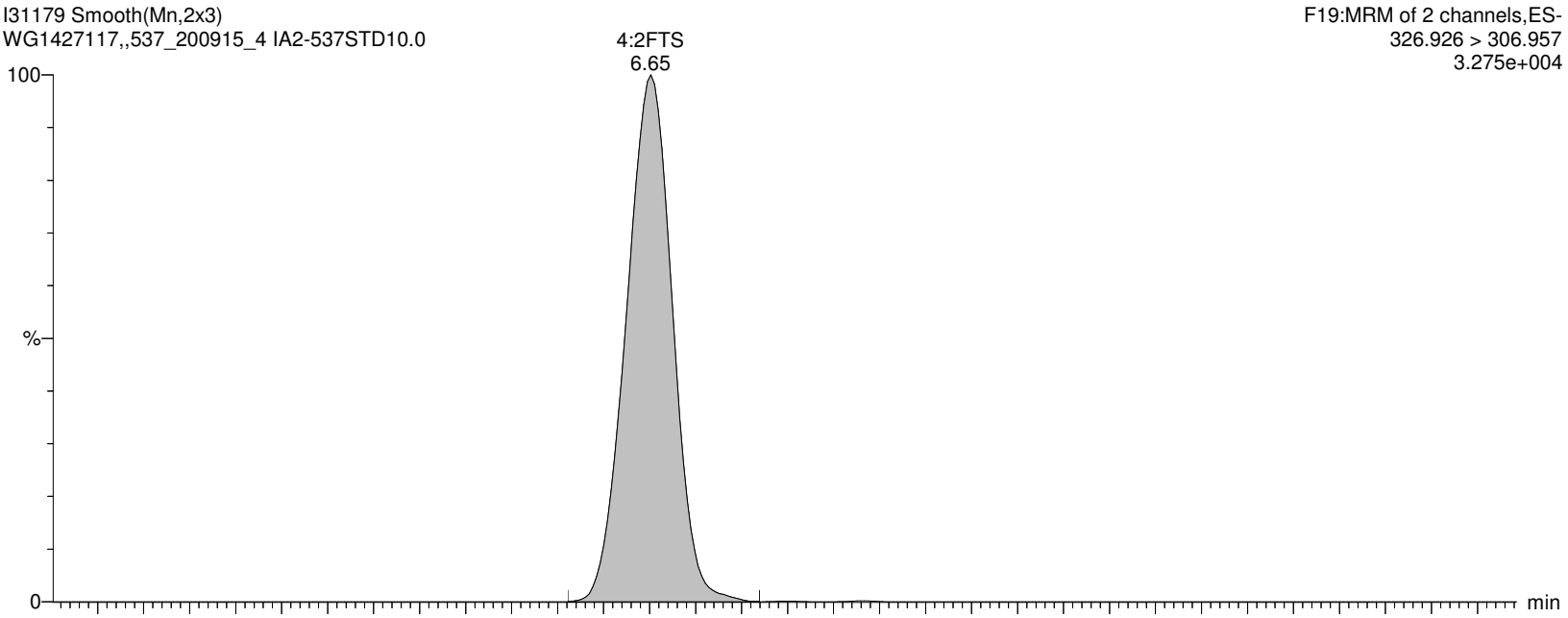

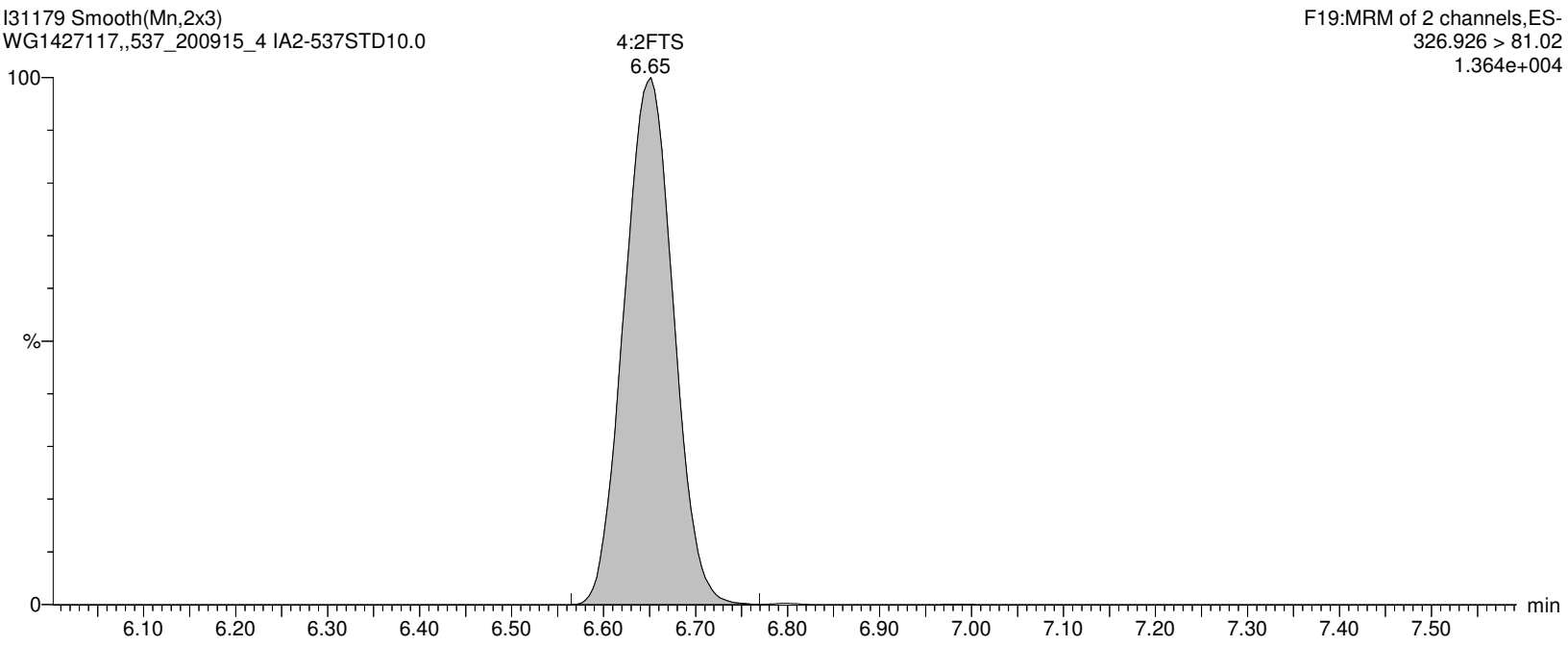

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Alpha Analytical Inc.
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Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:15:51 Eastern Daylight Time

Name: I31179
ID: IA2-537STD10.0
Date: 27-Oct-2020
Time: 18:30:17
Description: WG1427117,,537_200915_4
User: LCMS02:JW
Vial: 1:A,5
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
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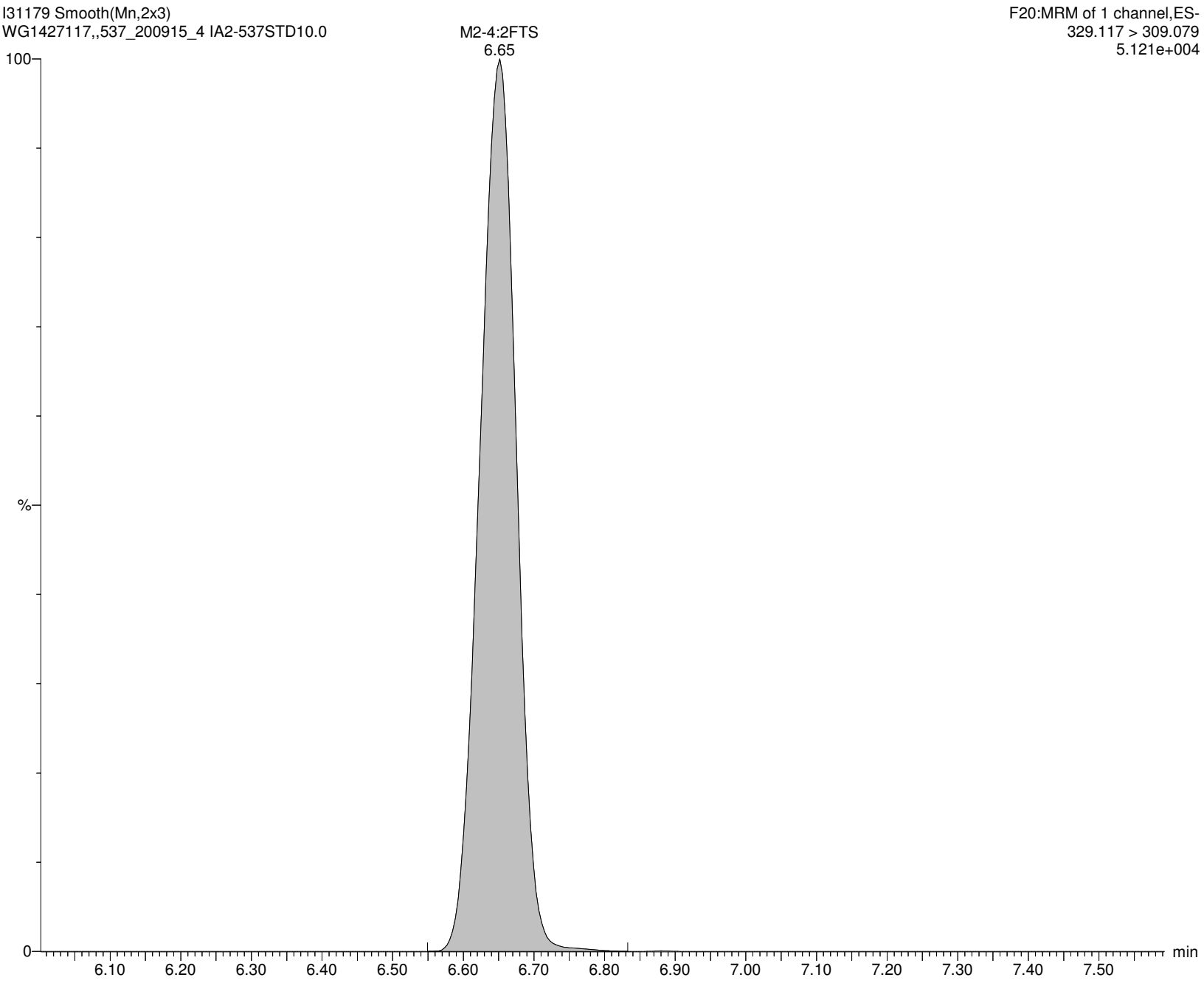

all concentration units in (ng/mL)

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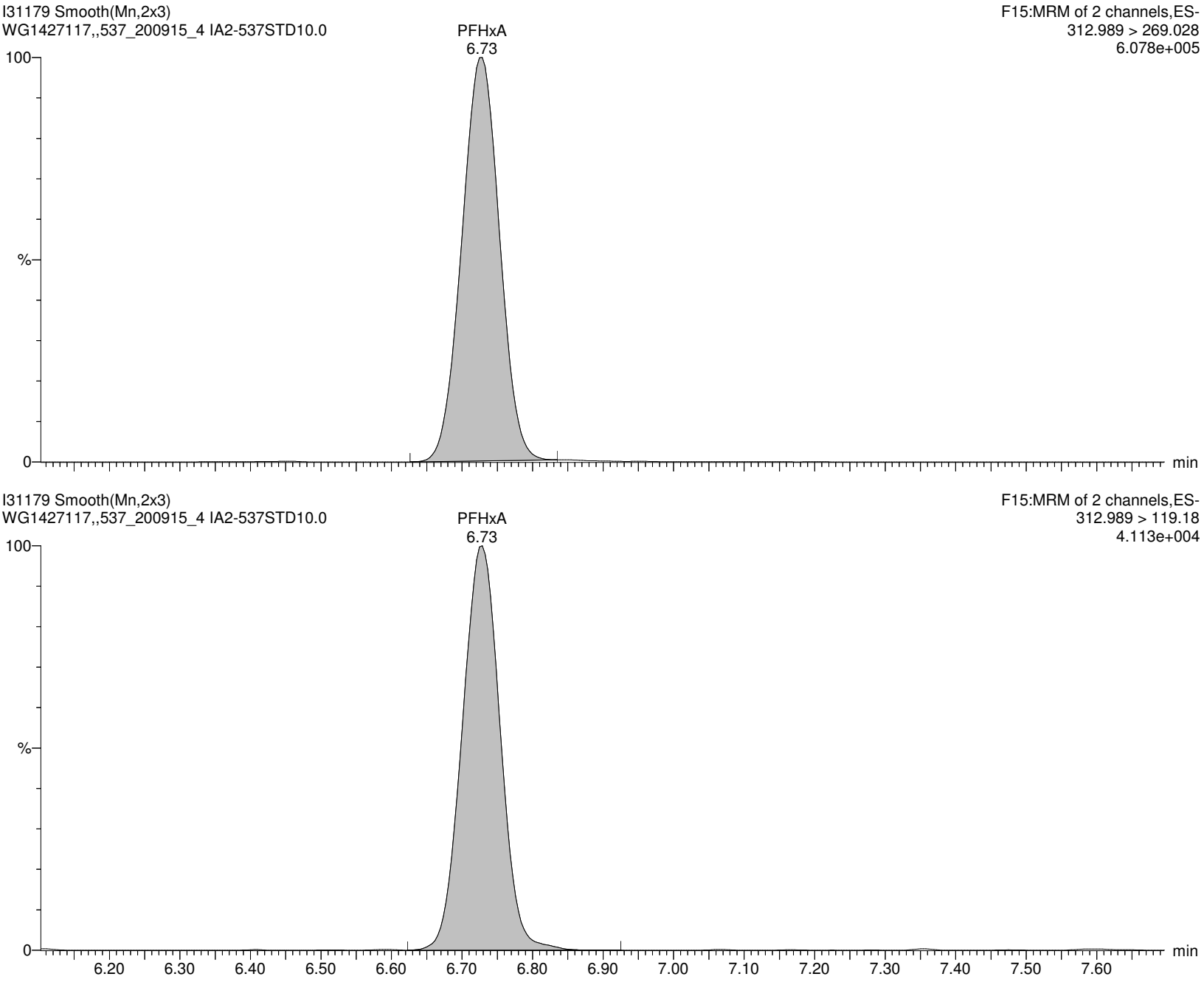

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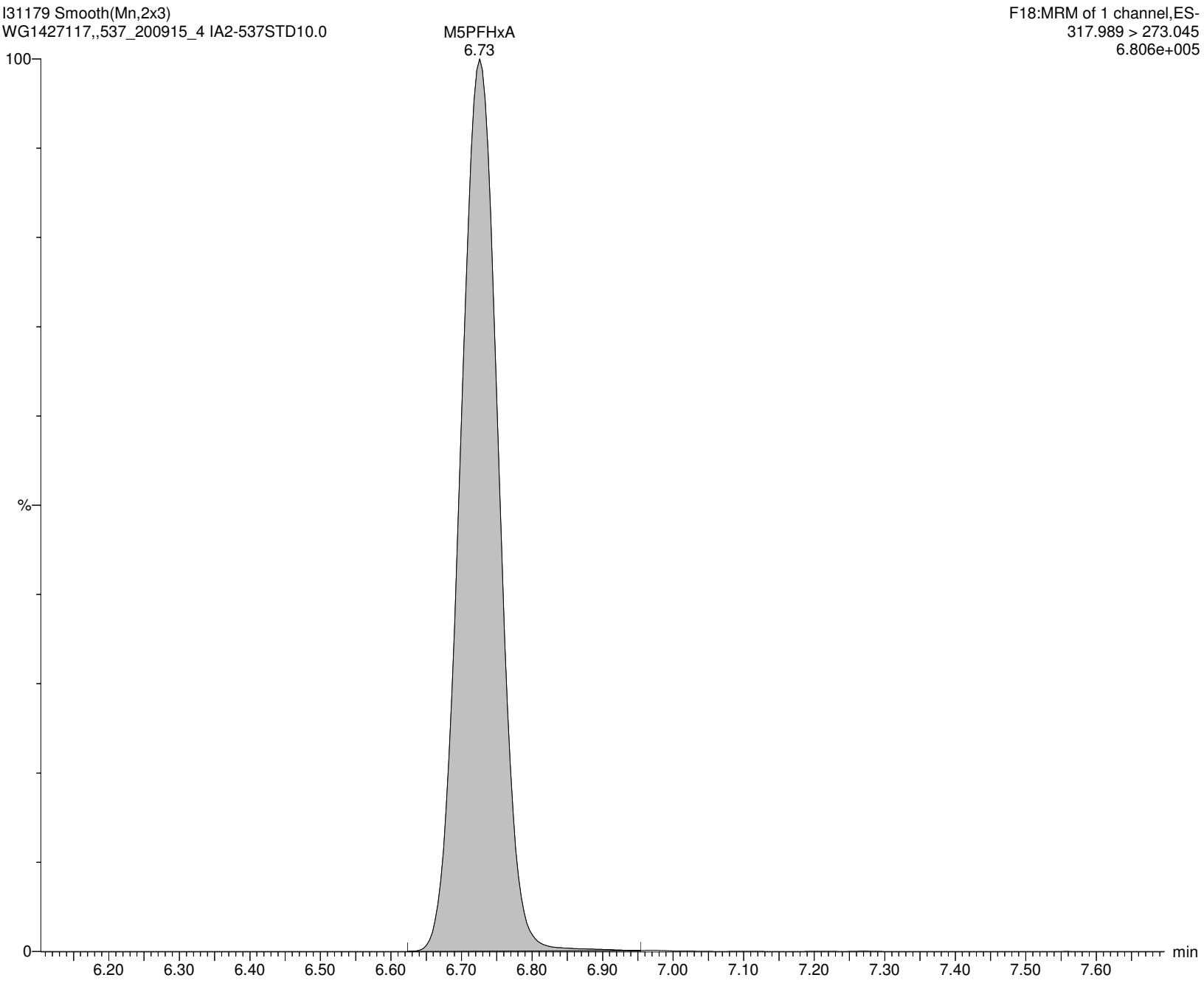

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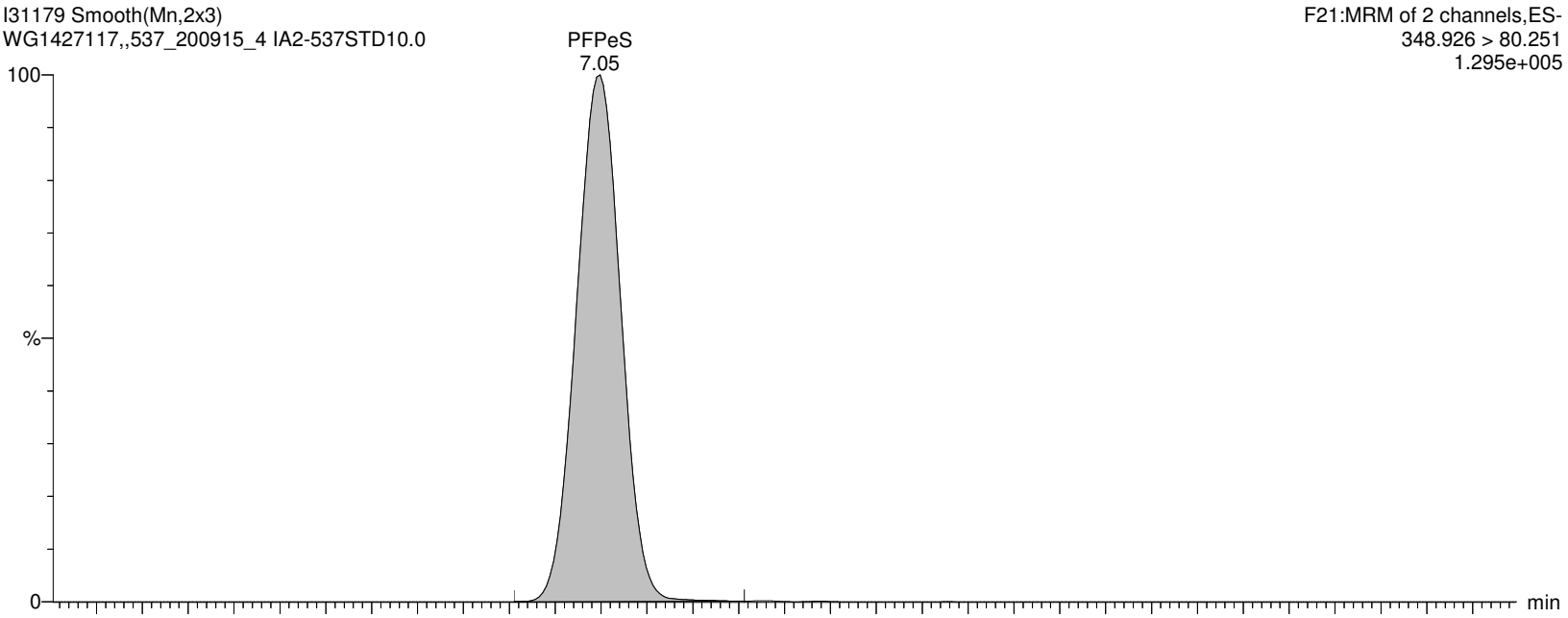

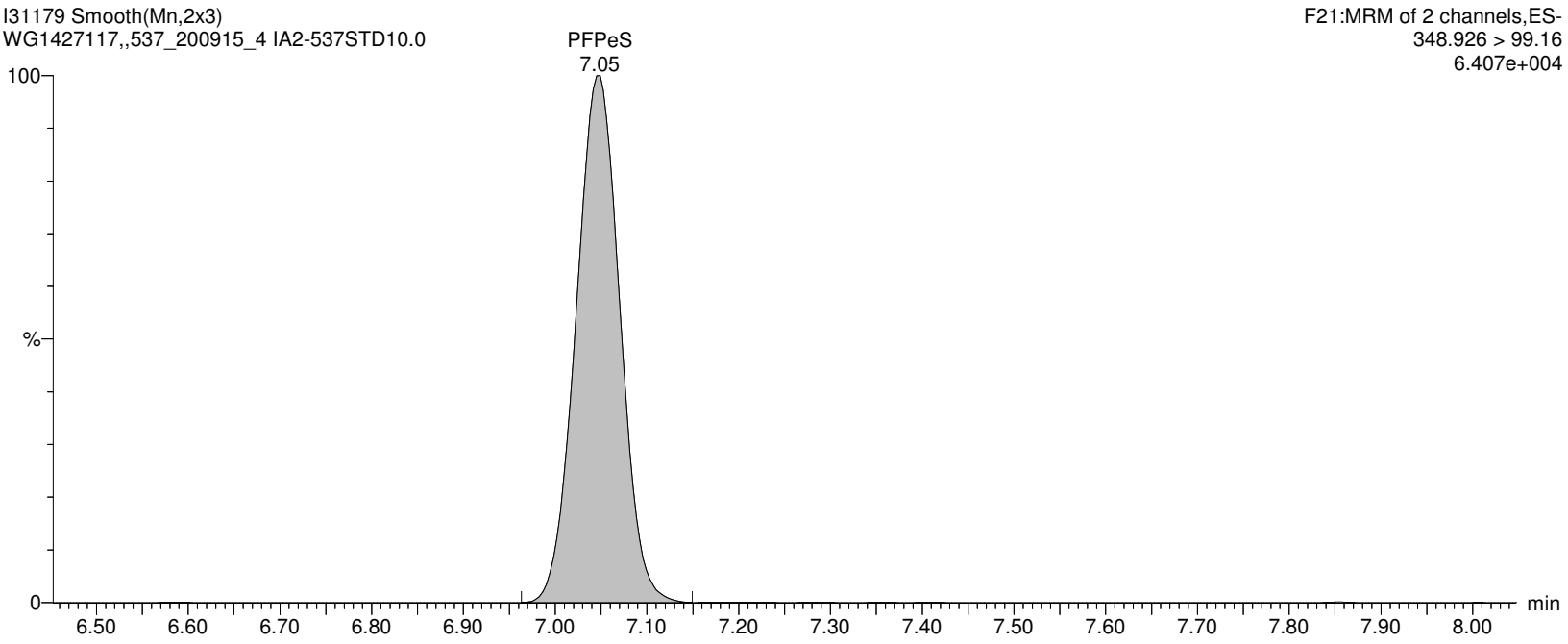

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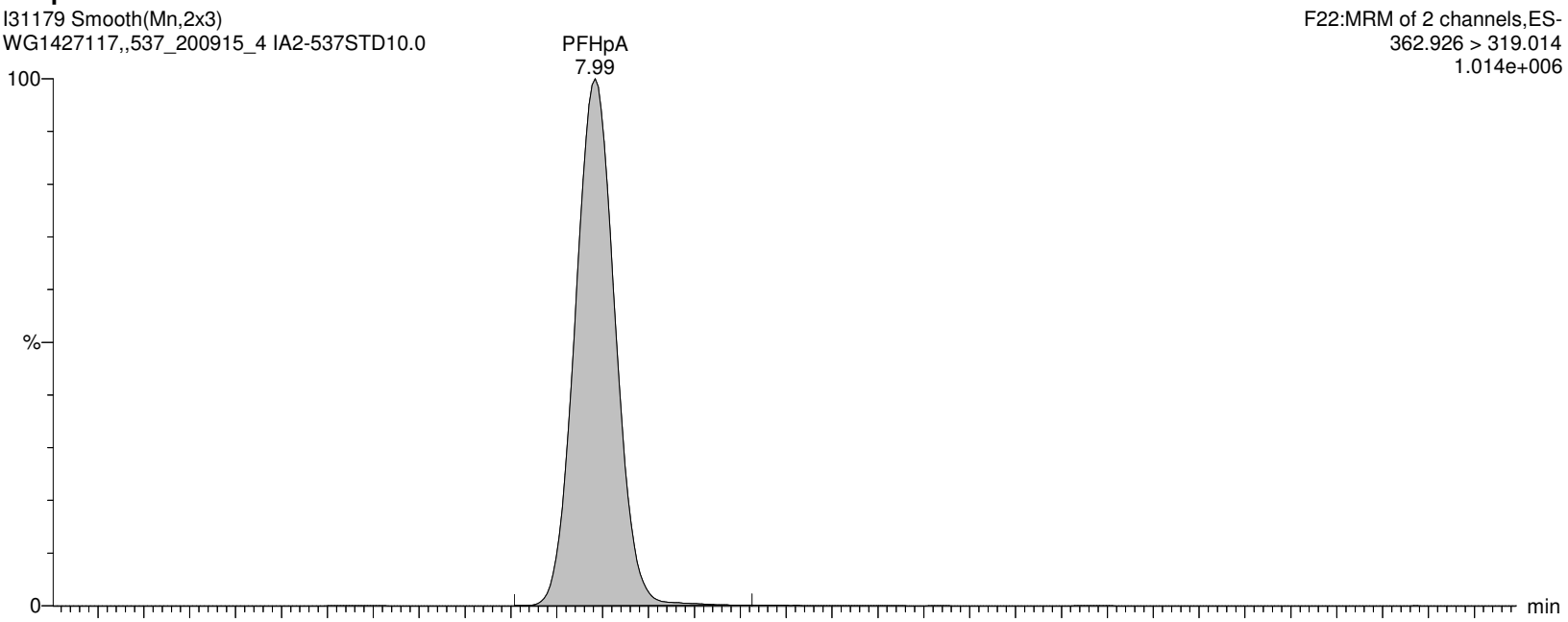

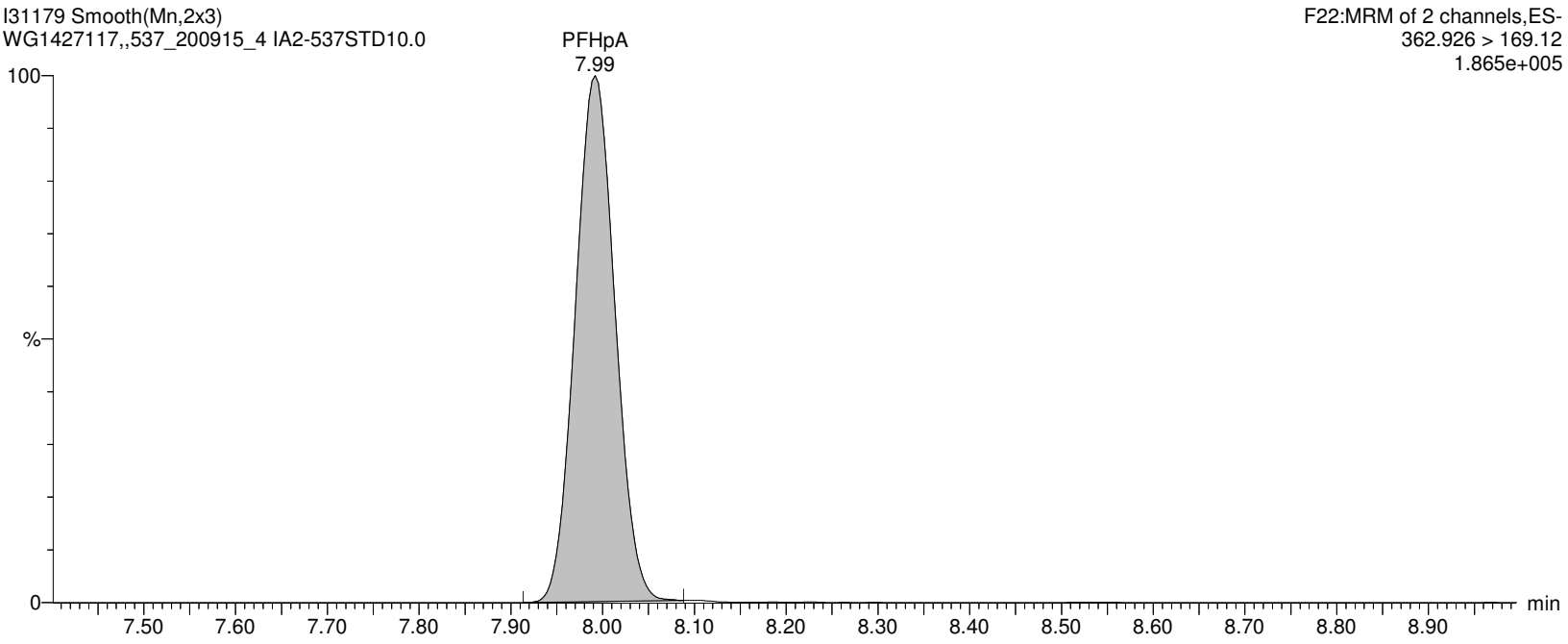

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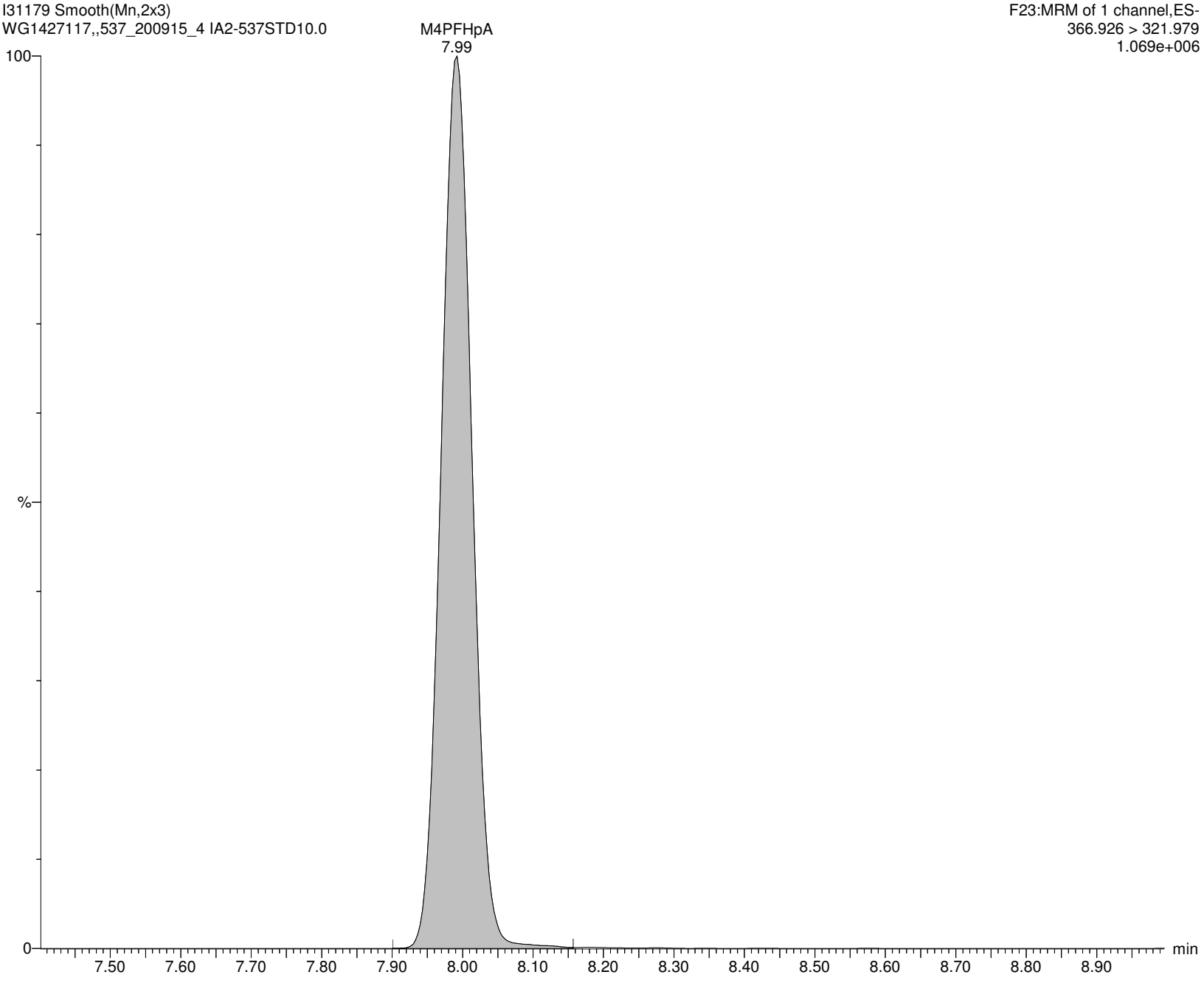

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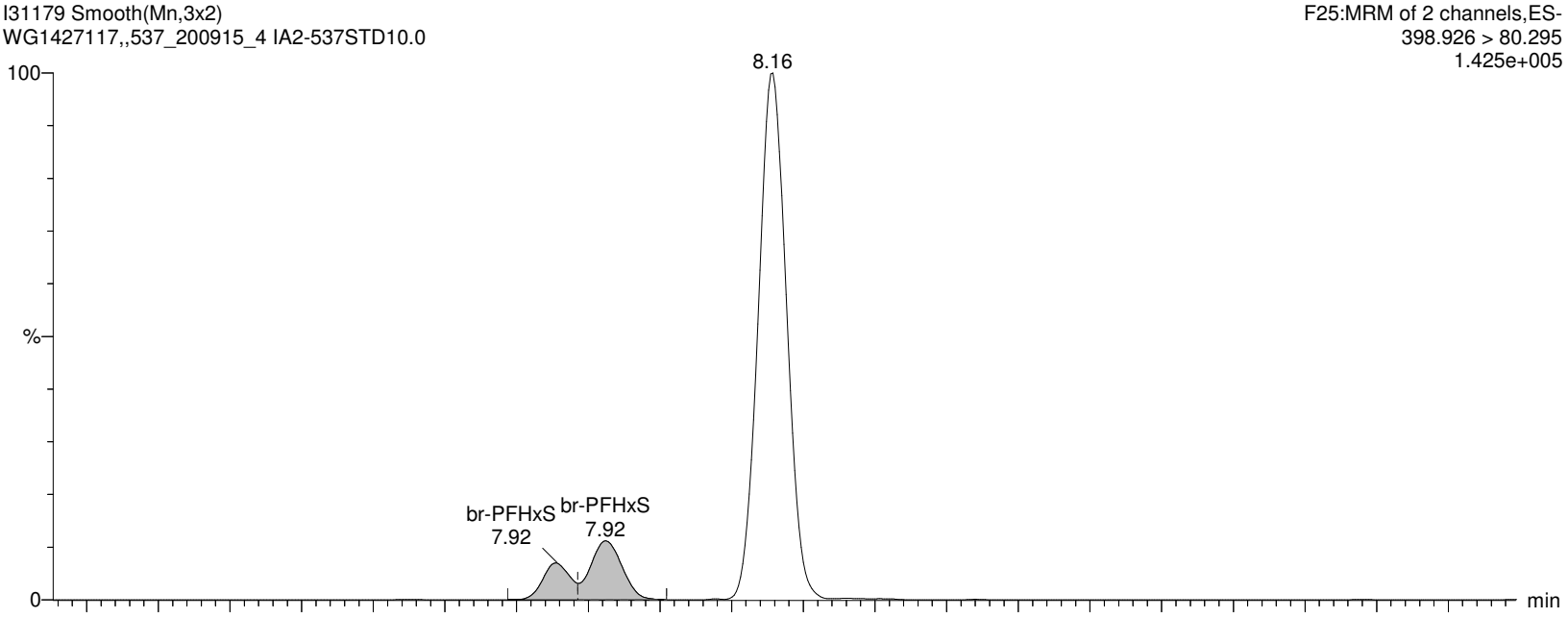

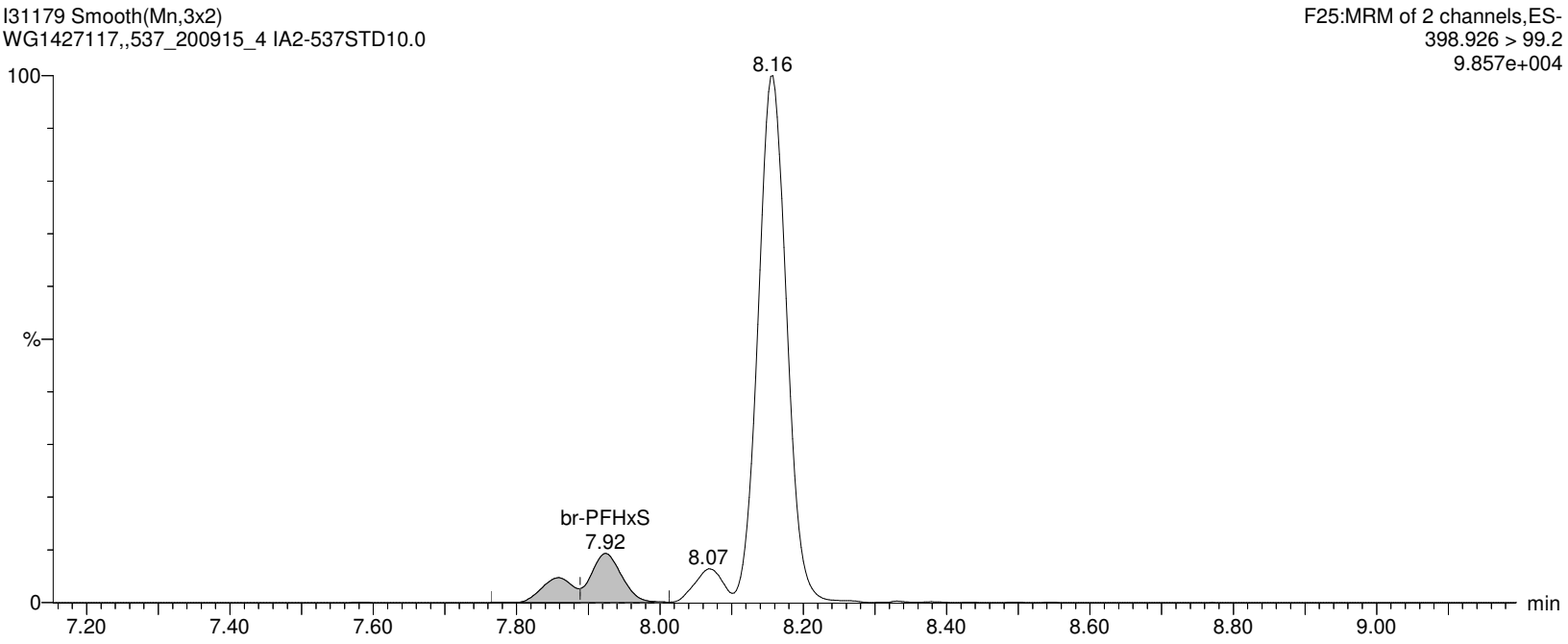

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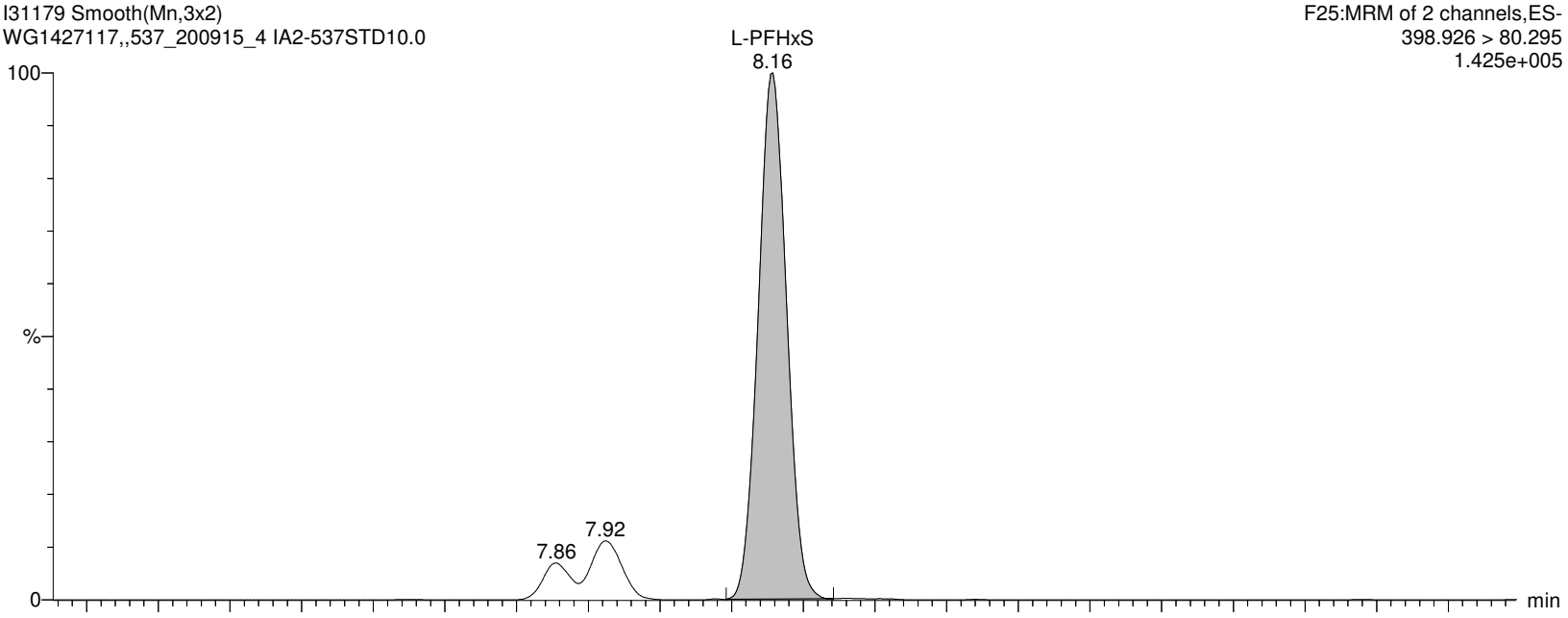

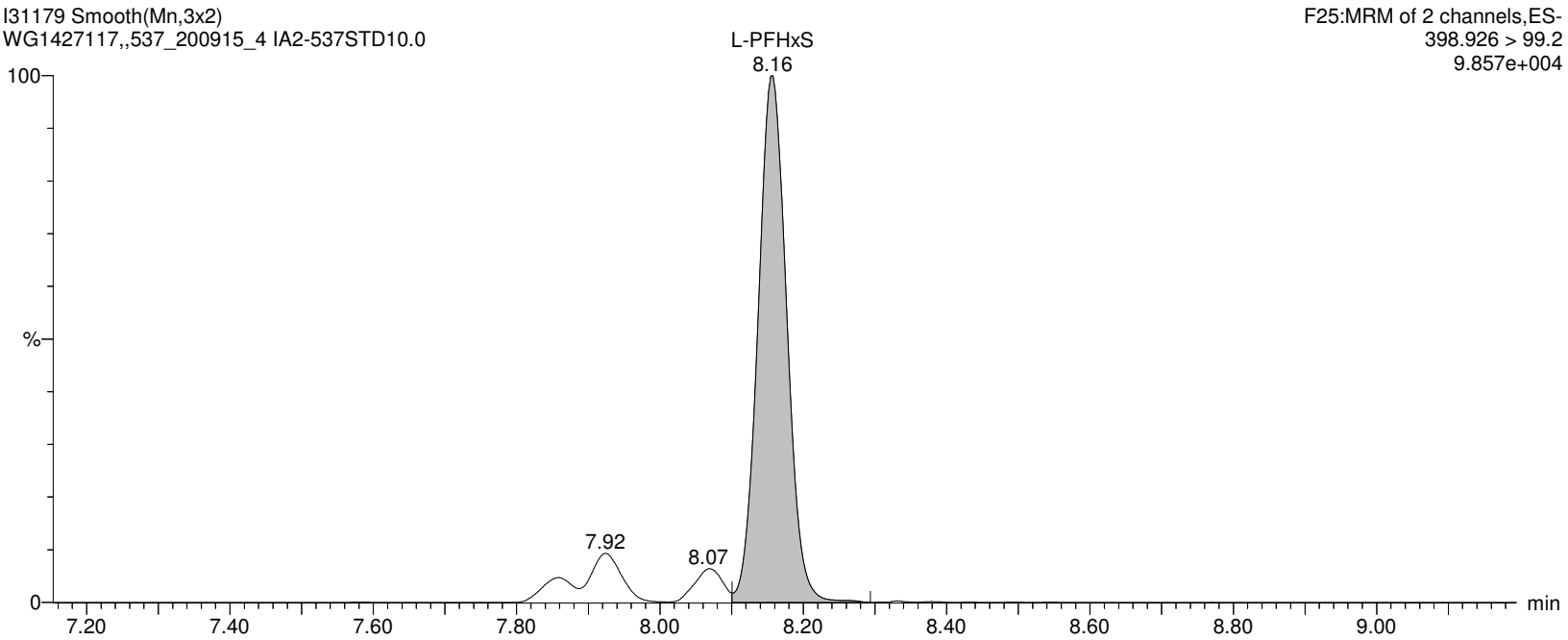

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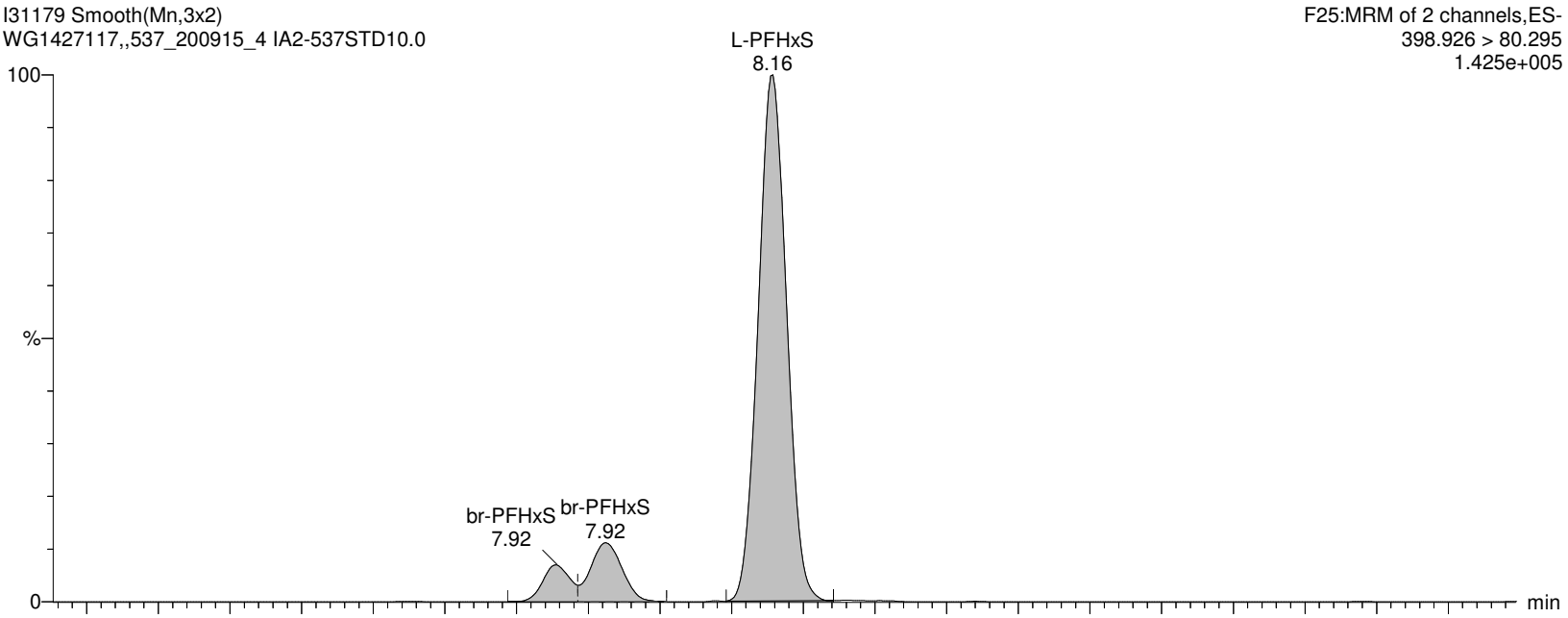

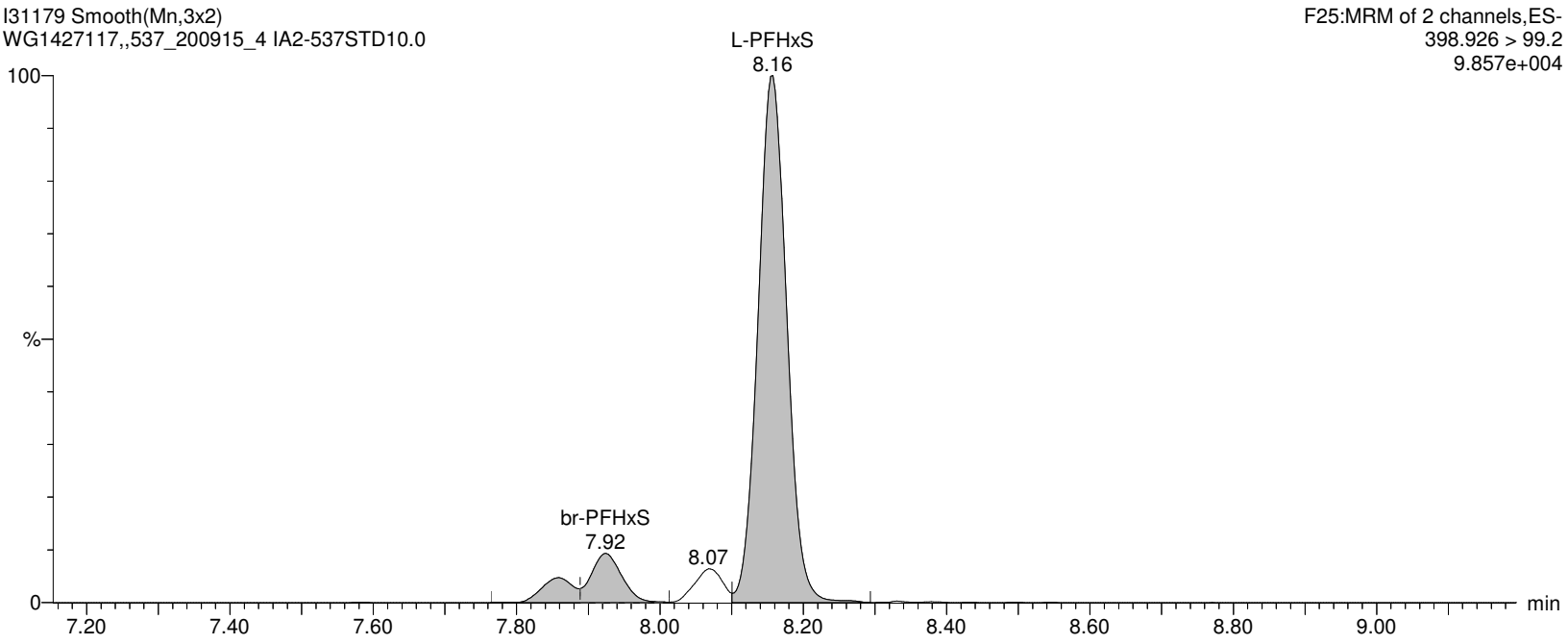

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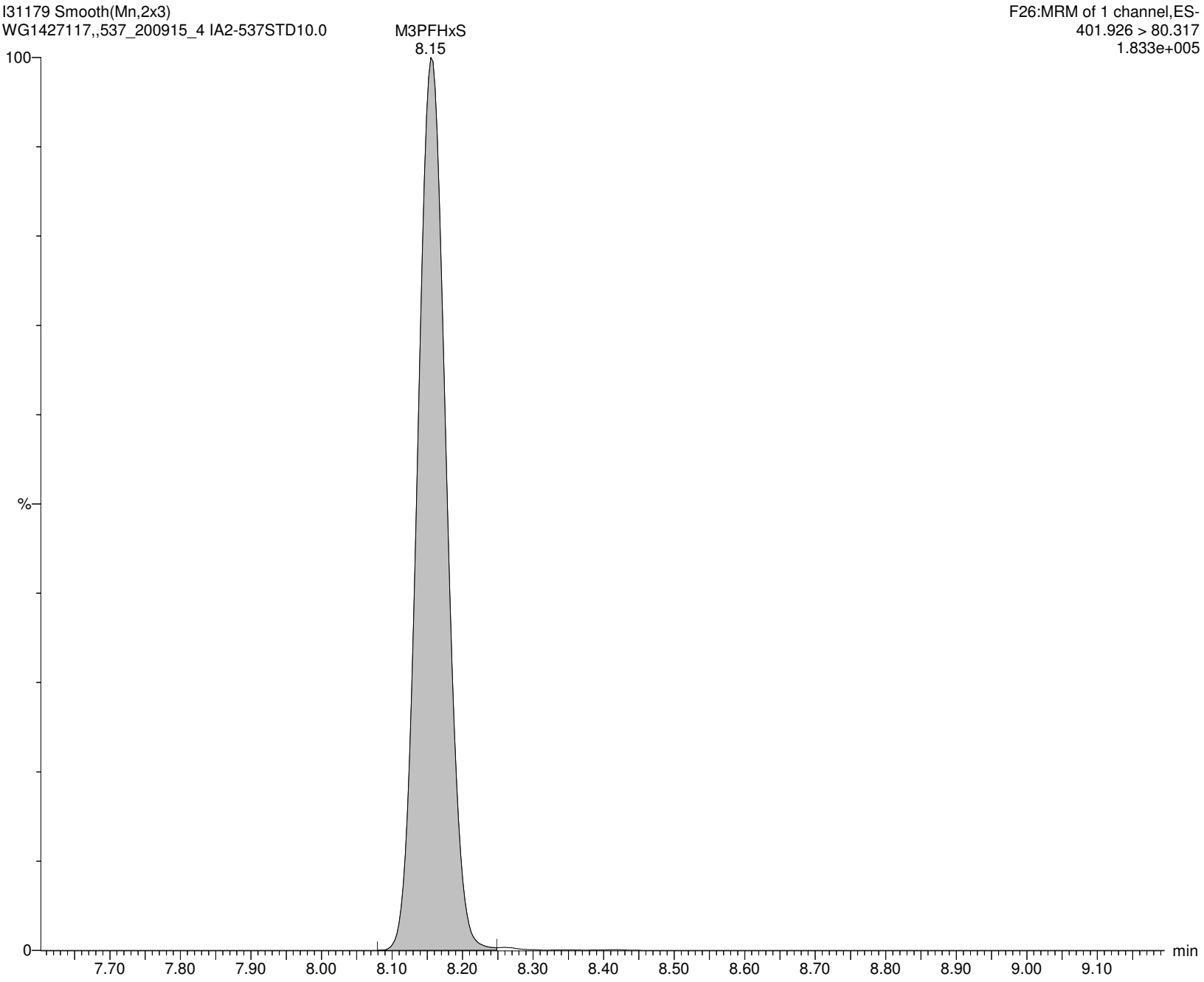

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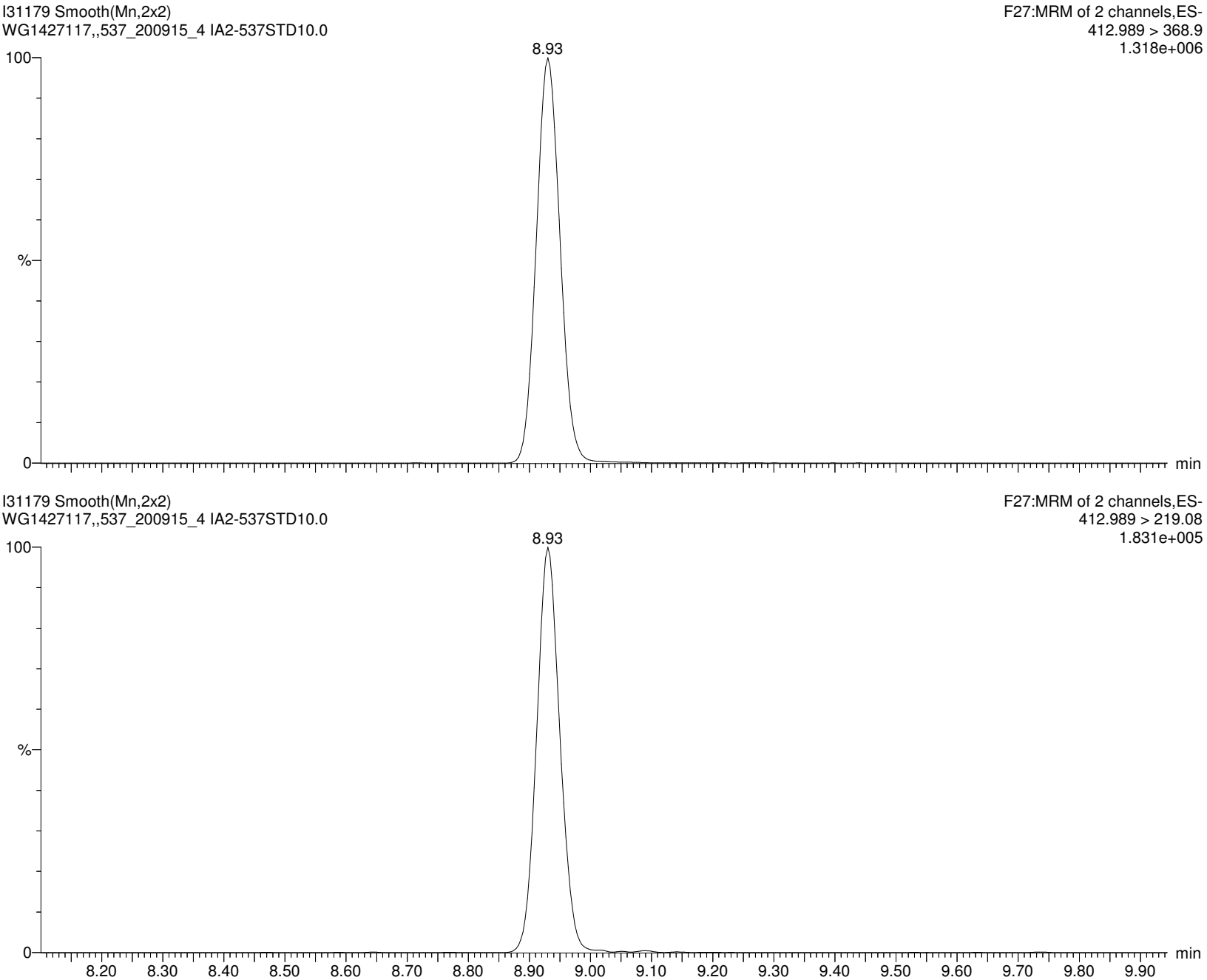

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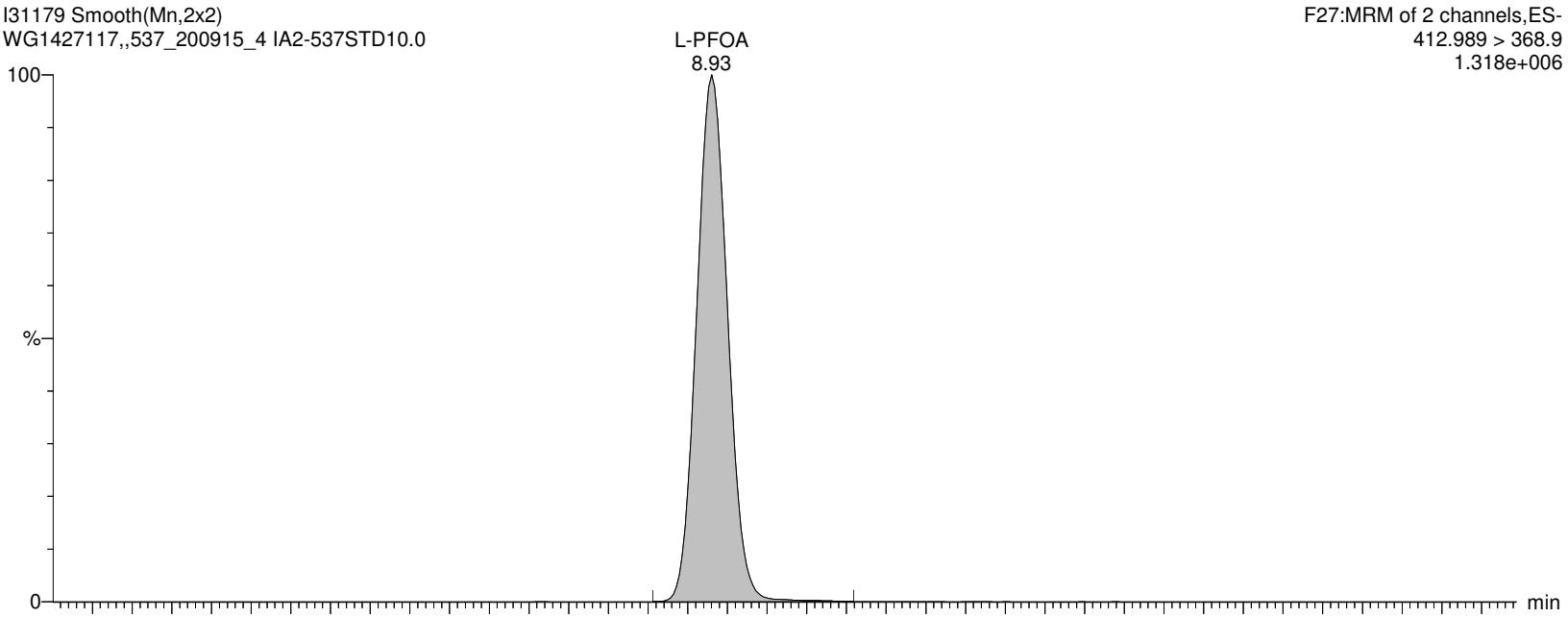

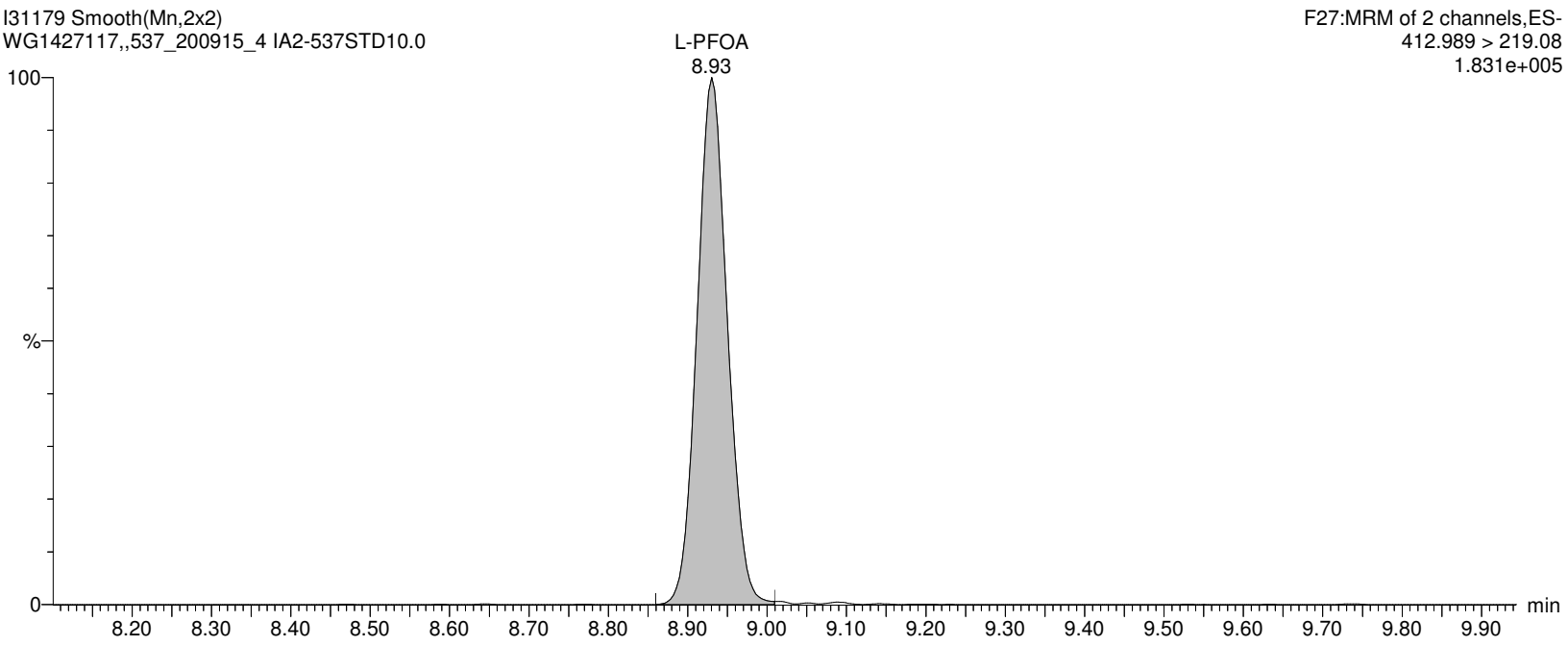

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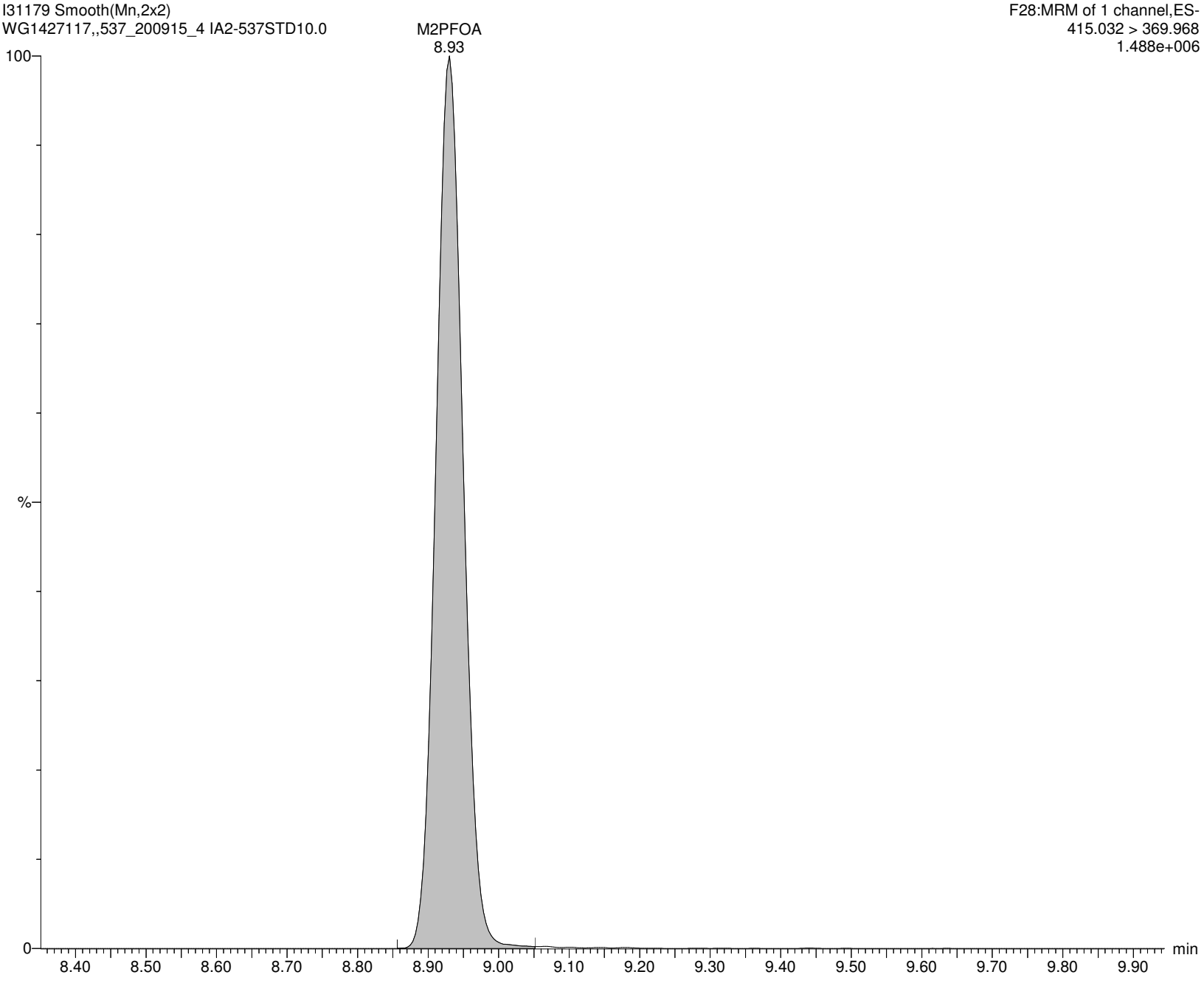

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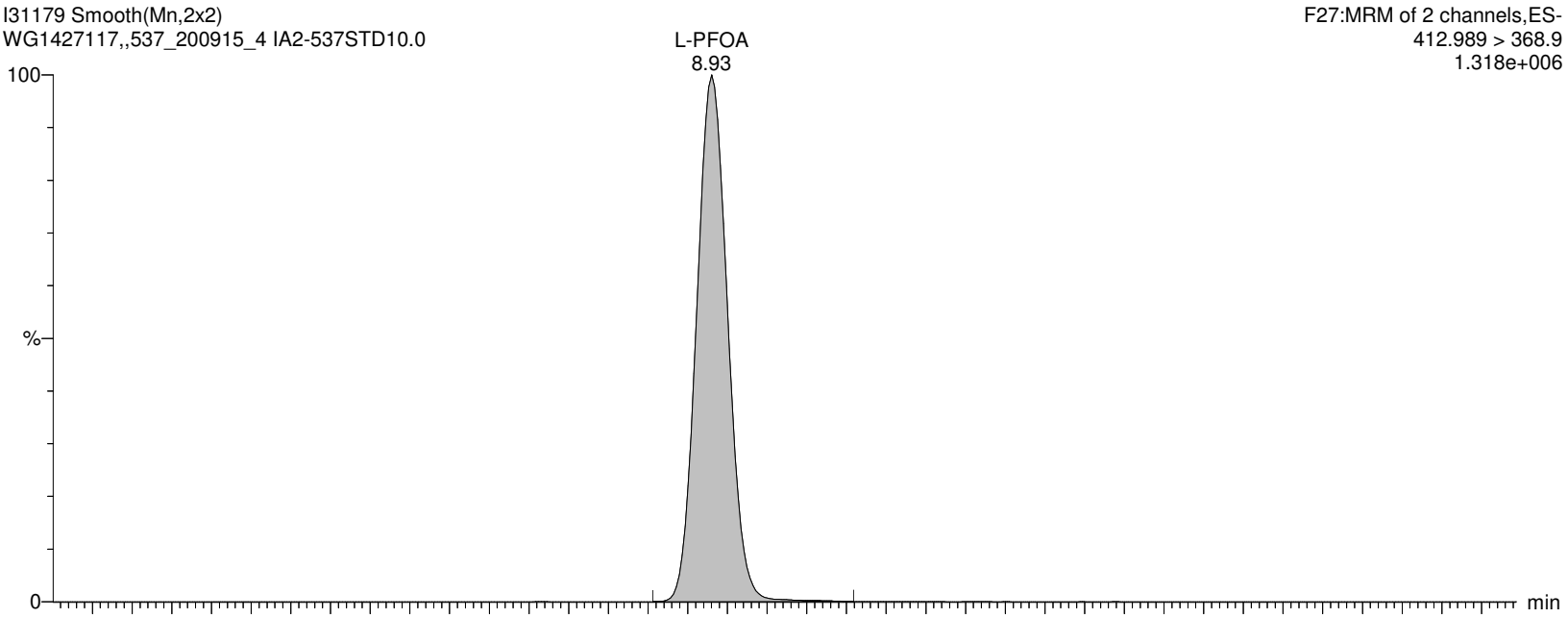

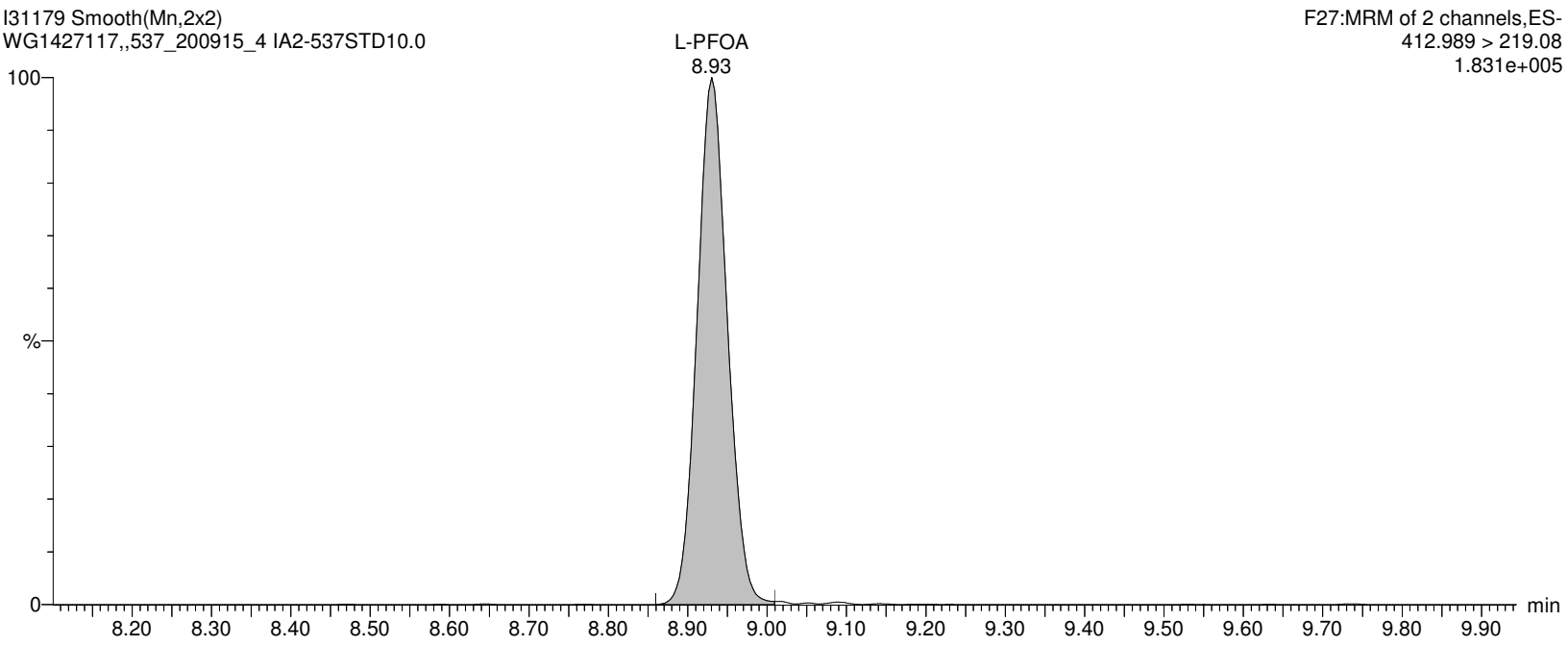

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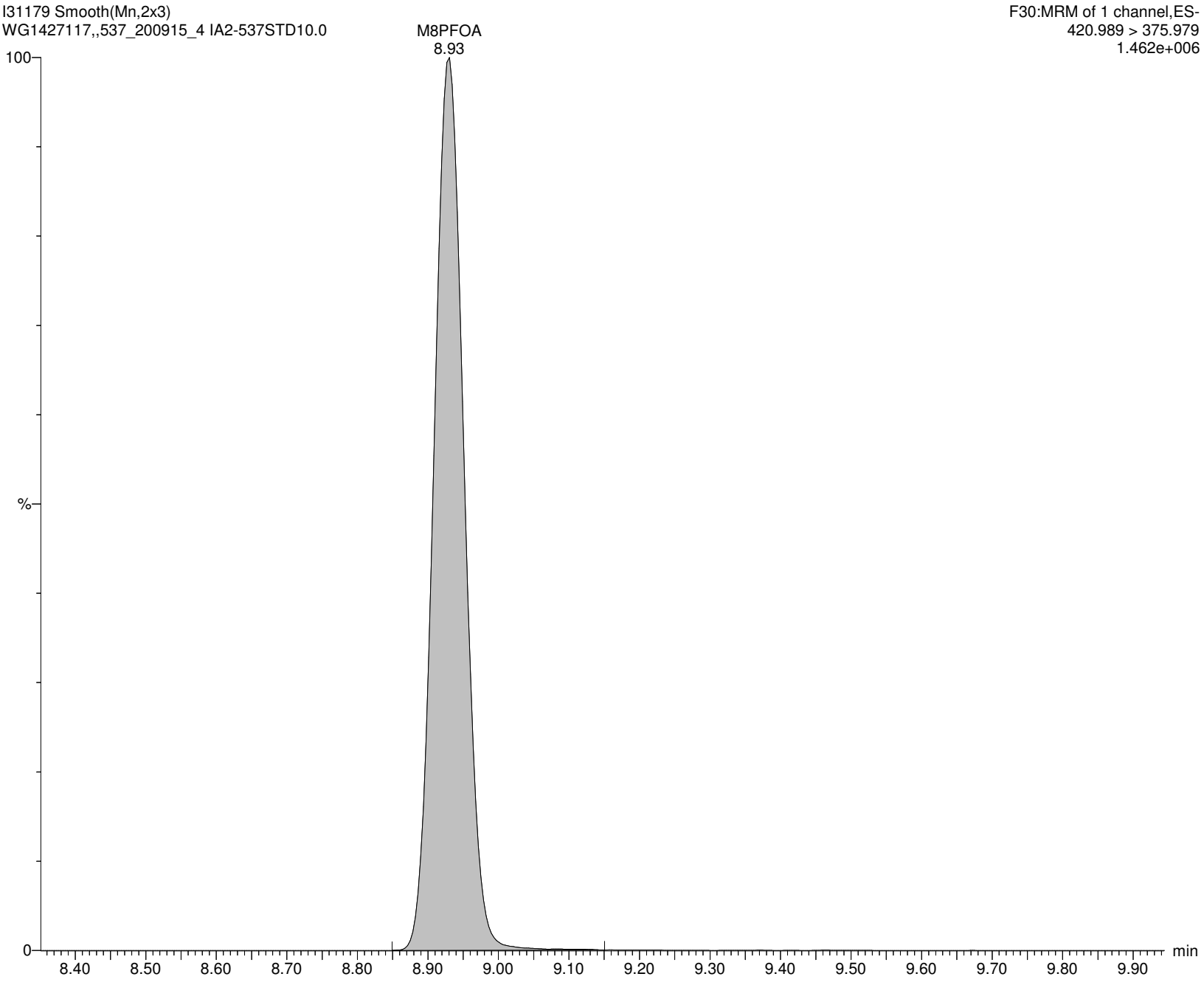

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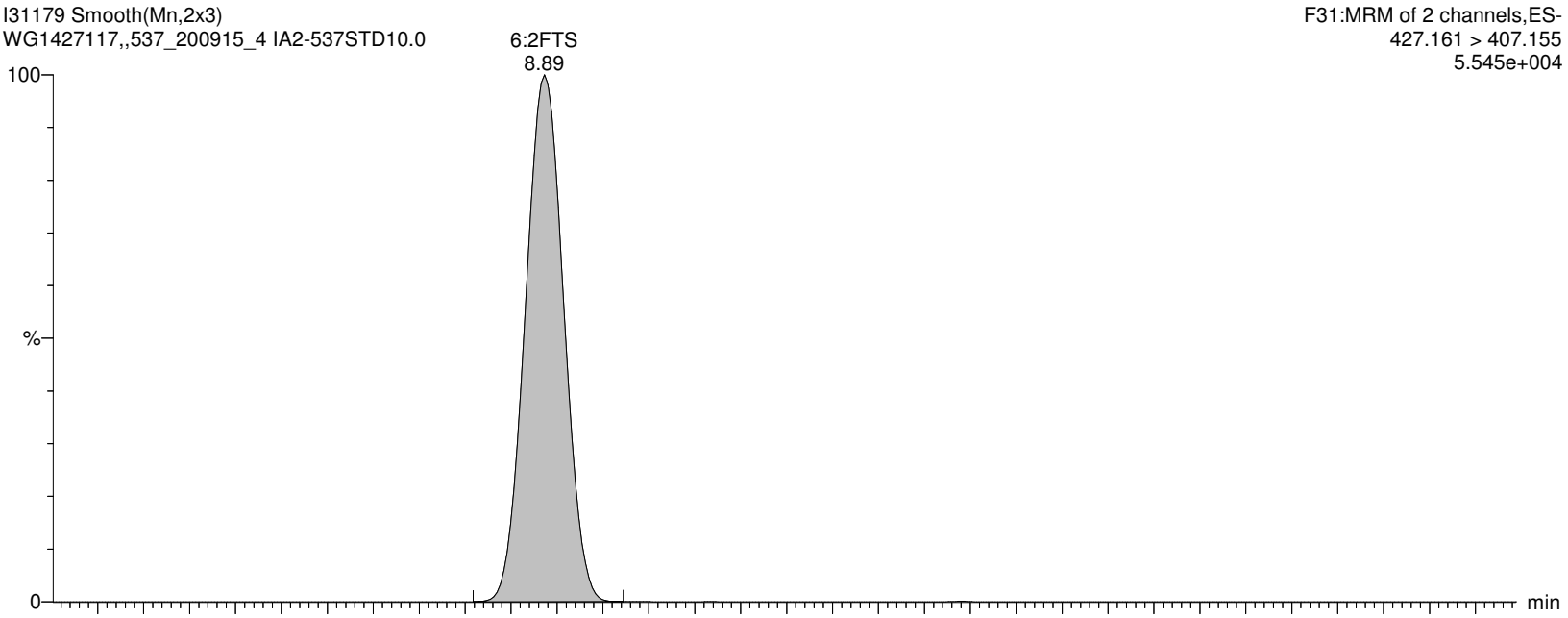
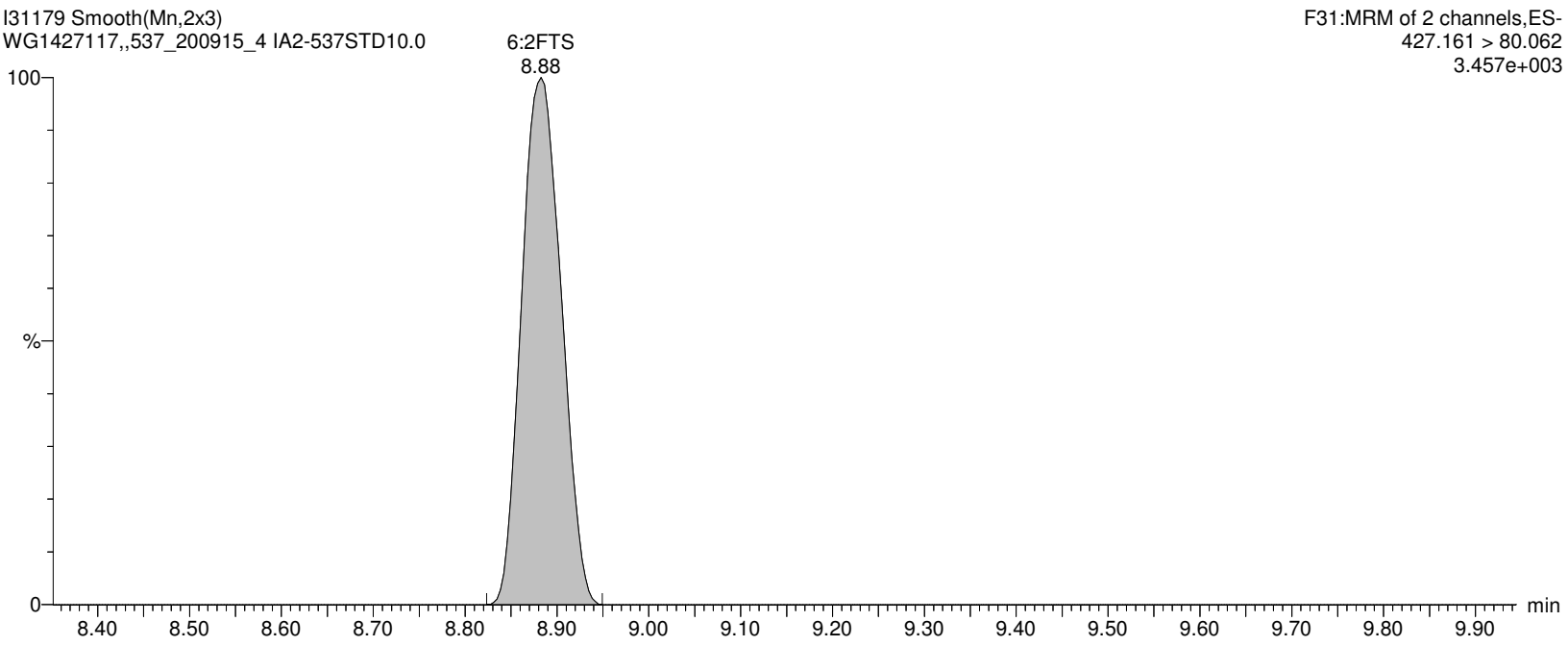
6:2FTS



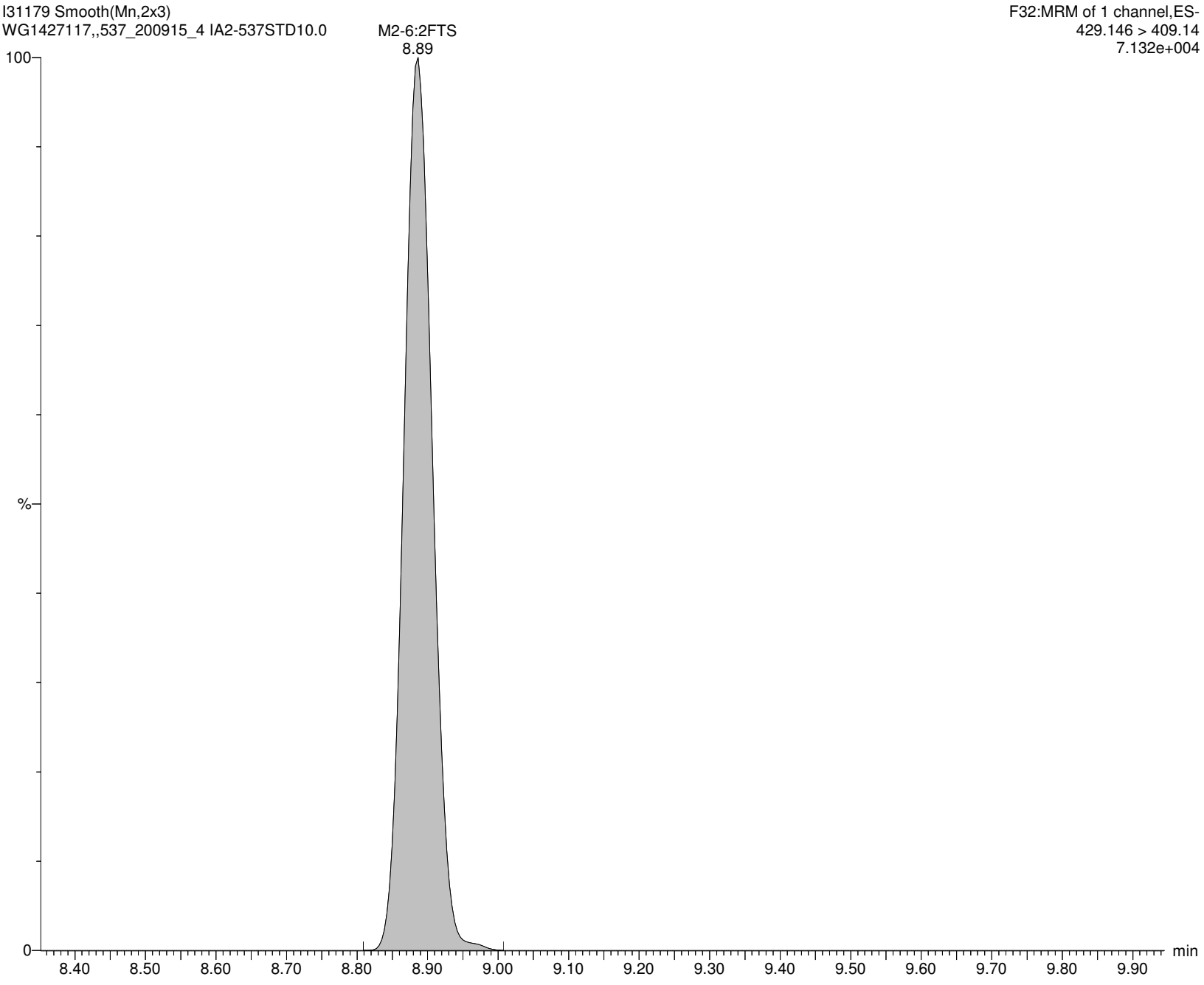


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:15:51 Eastern Daylight Time

Name: I31179
ID: IA2-537STD10.0
Date: 27-Oct-2020
Time: 18:30:17
Description: WG1427117,,537_200915_4
User: LCMS02:JW
Vial: 1:A,5
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\200520_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

M2-6:2FTS



all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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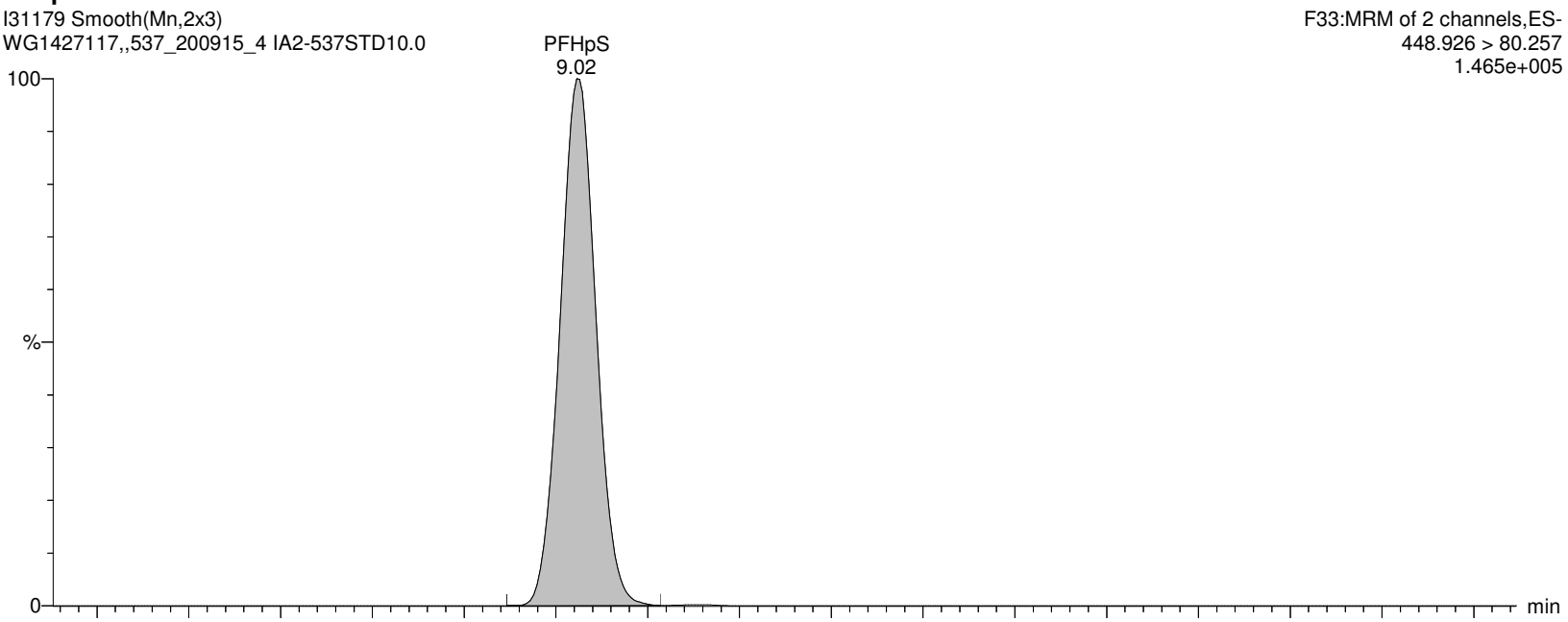

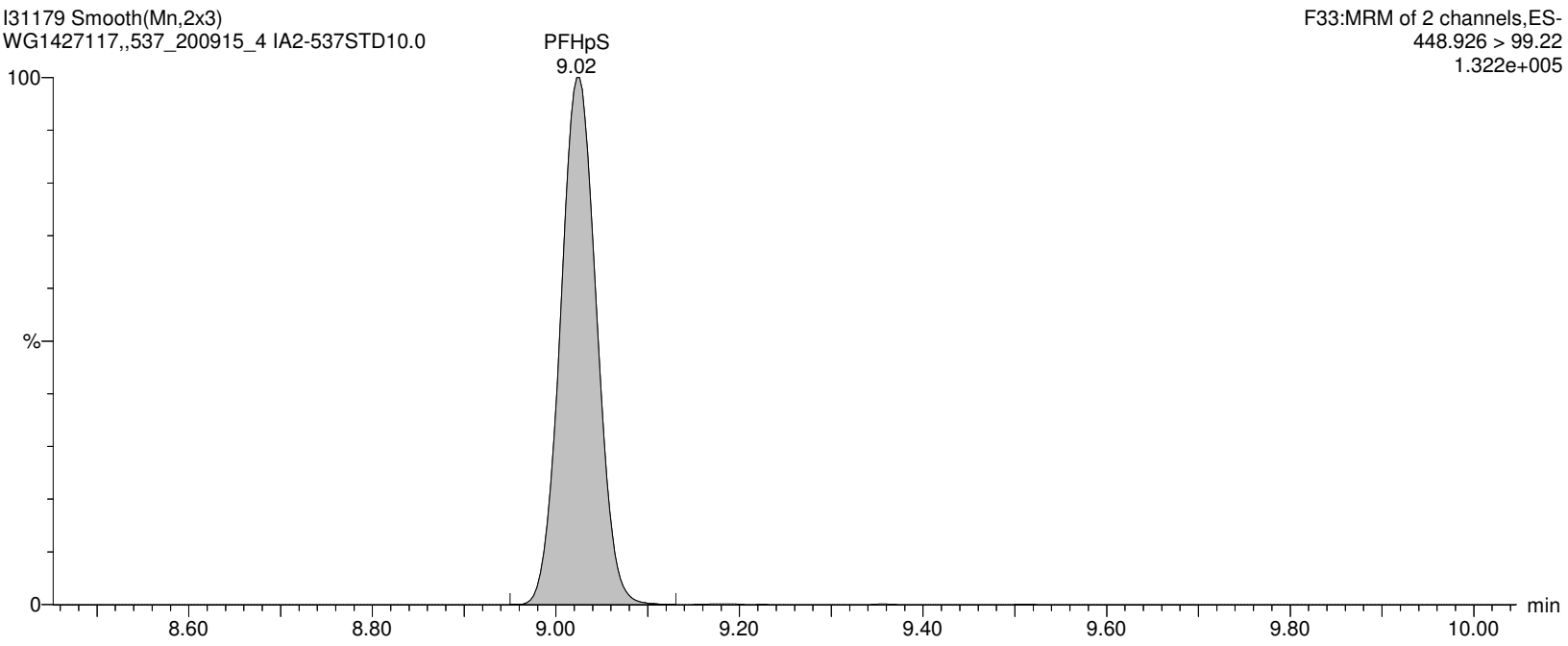

all concentration units in (ng/mL)

Alpha Analytical Inc.
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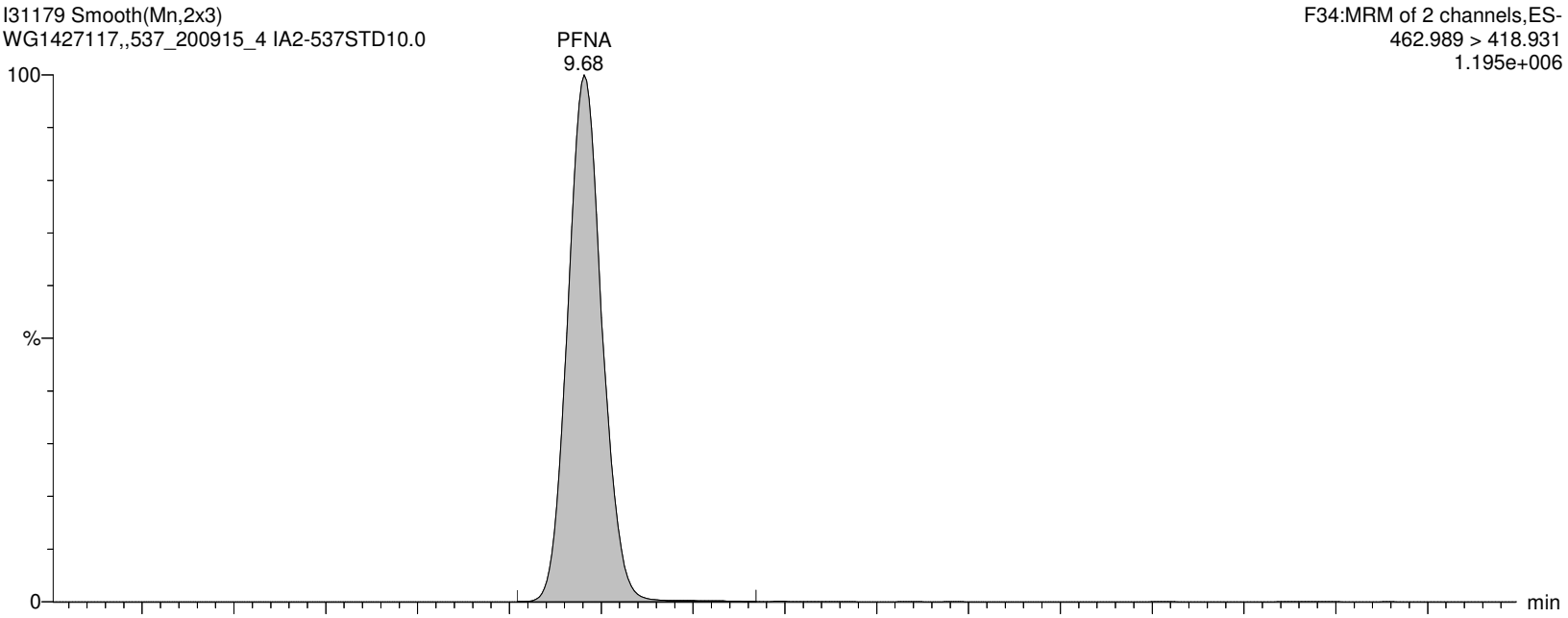

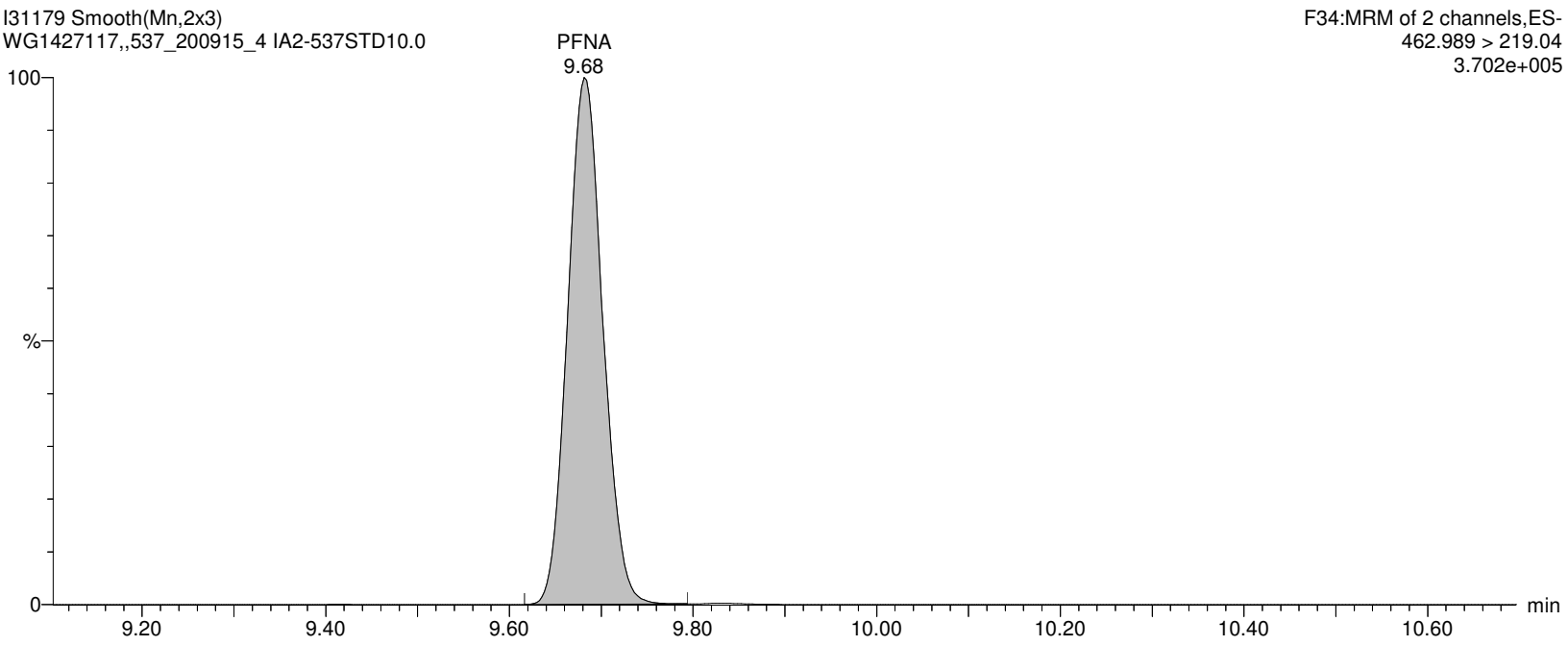

all concentration units in (ng/mL)

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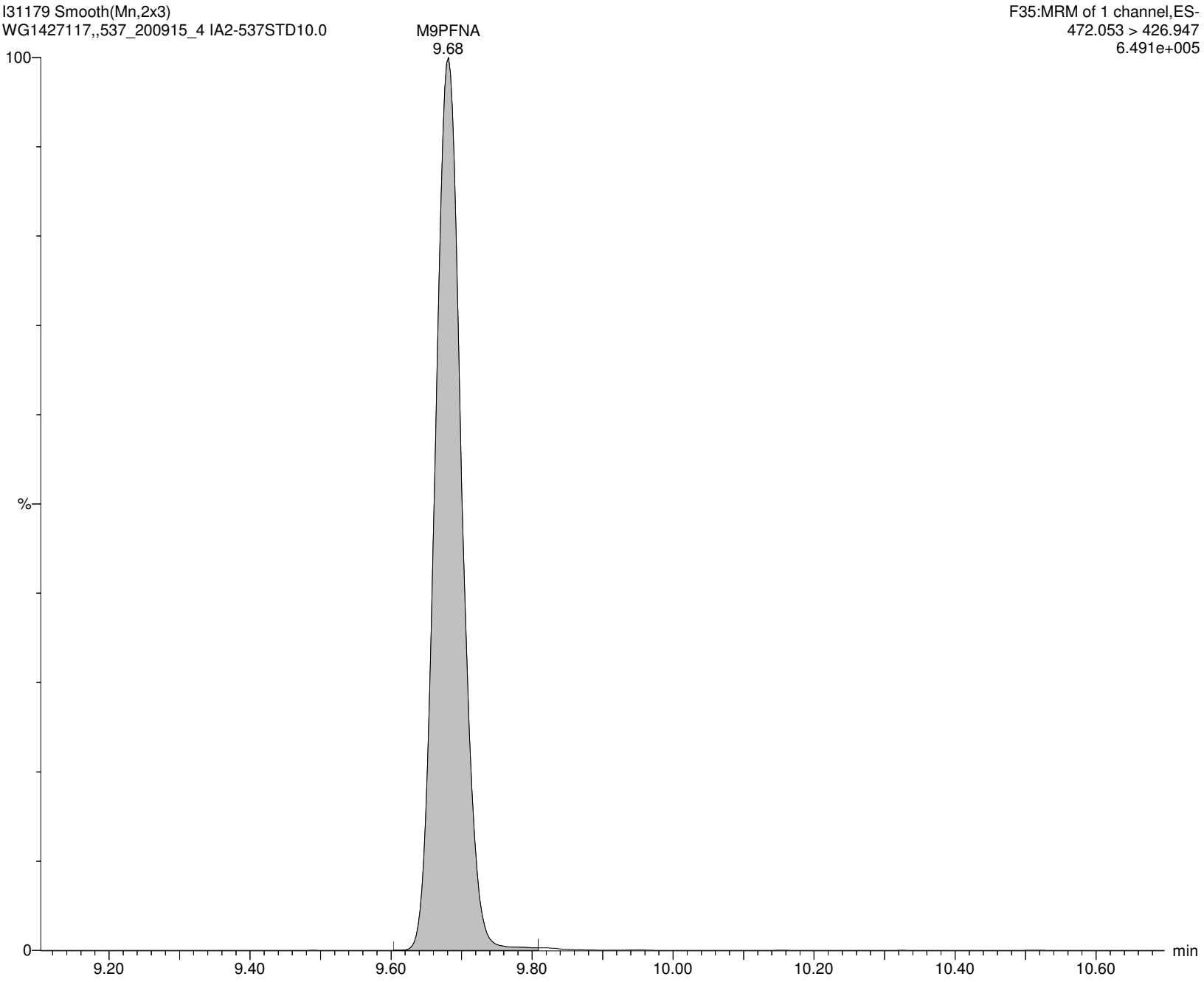

all concentration units in (ng/mL)

Alpha Analytical Inc.
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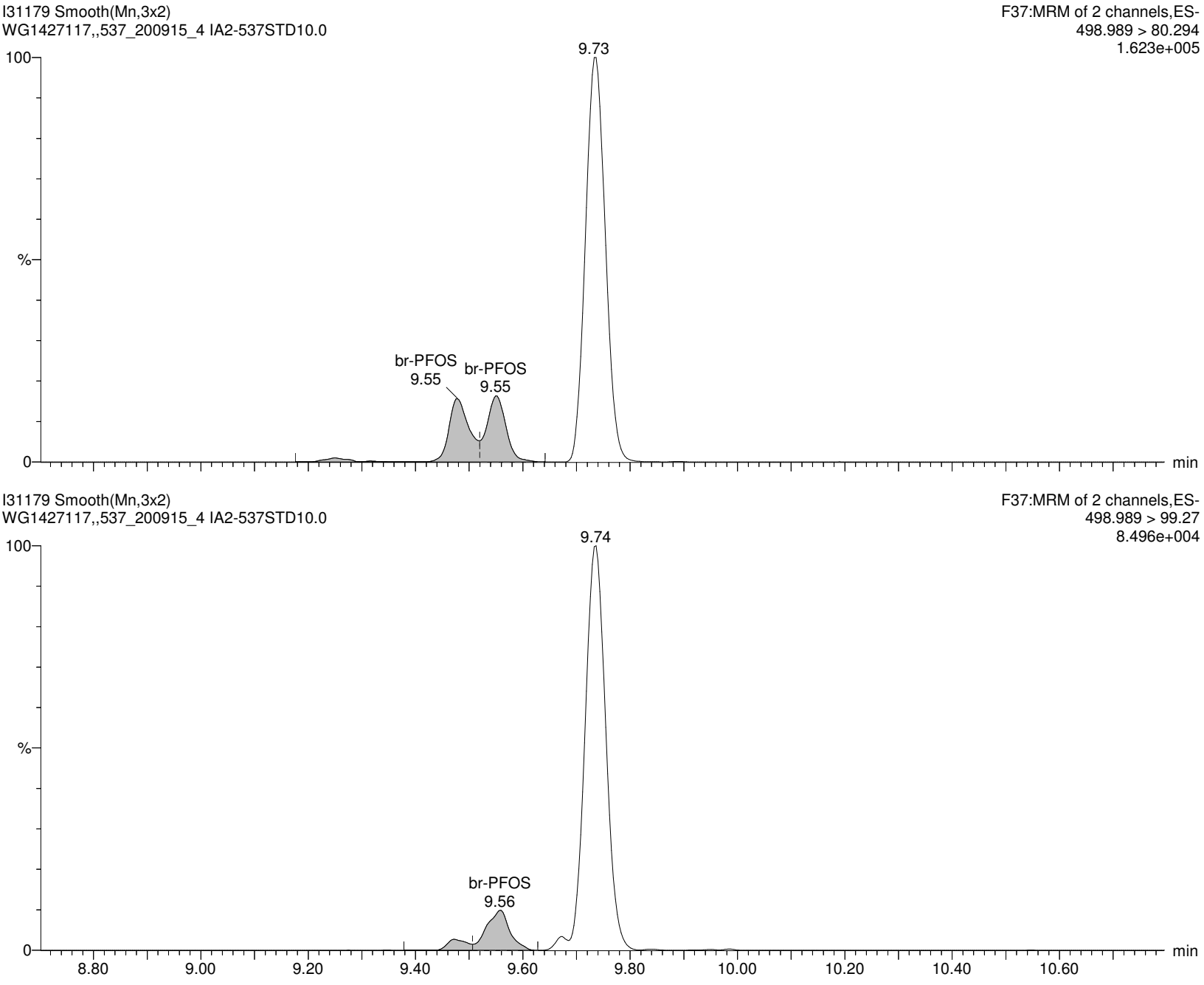

all concentration units in (ng/mL)

Alpha Analytical Inc.
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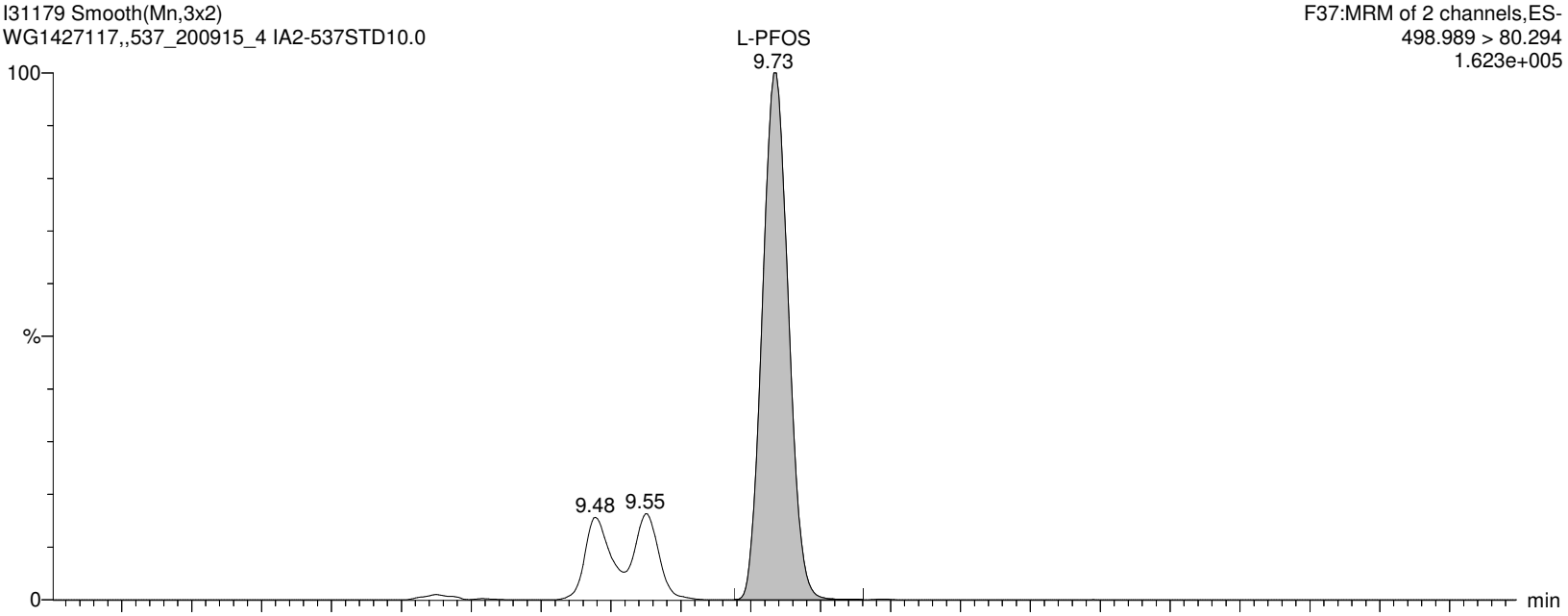

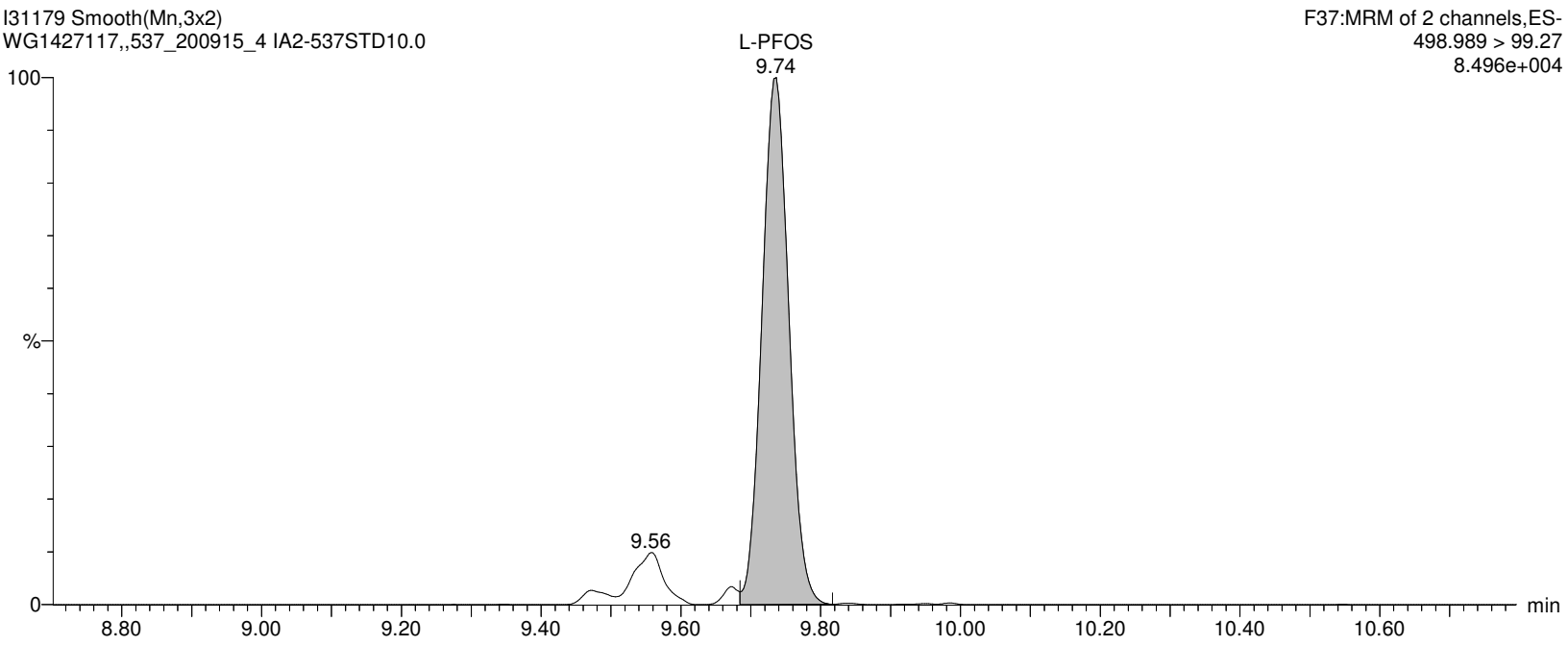

all concentration units in (ng/mL)

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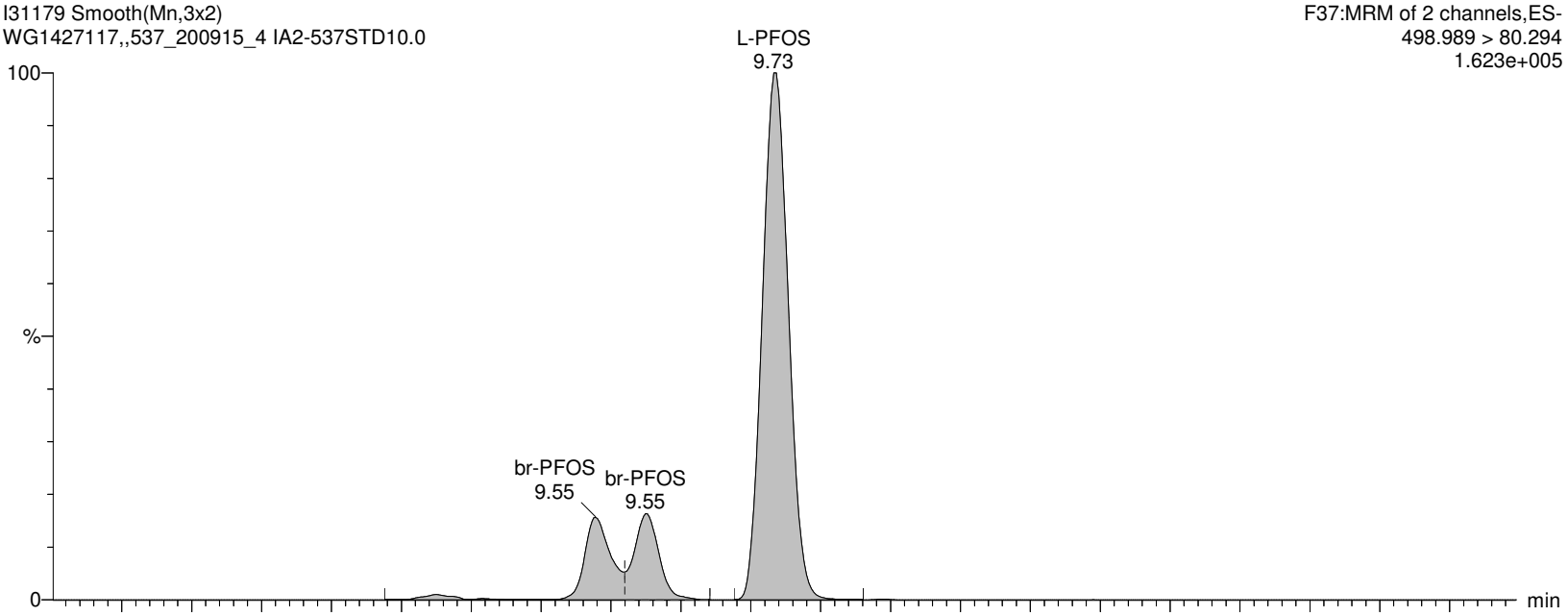

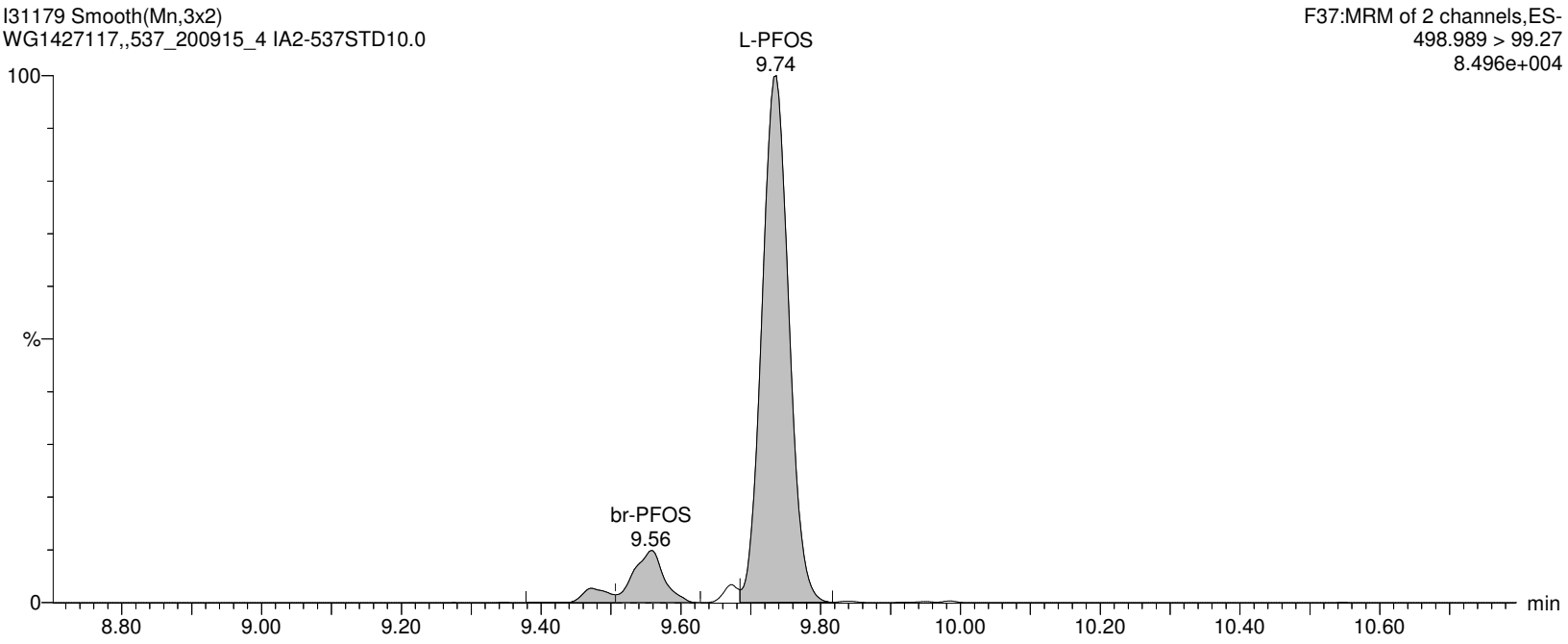

all concentration units in (ng/mL)

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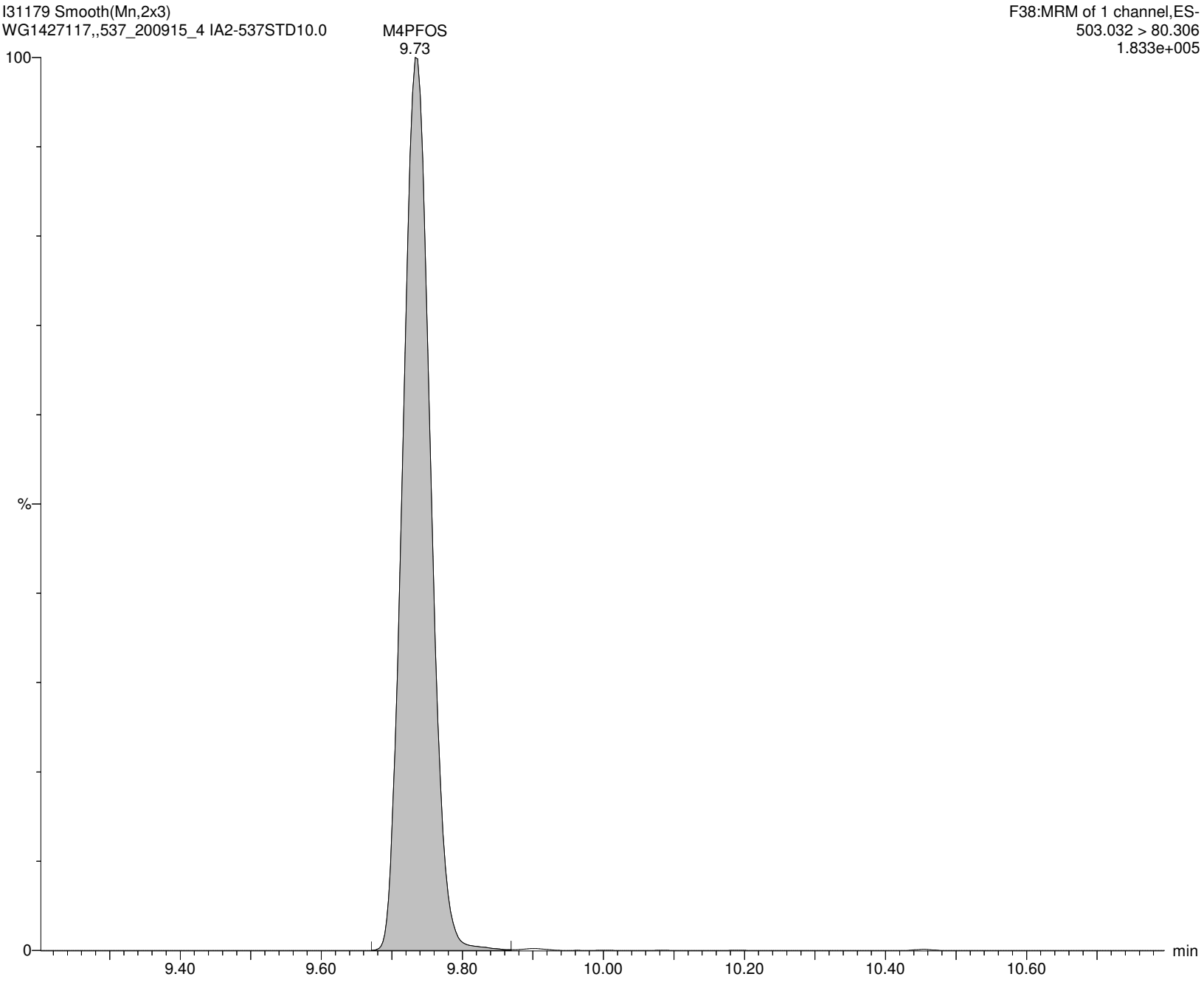

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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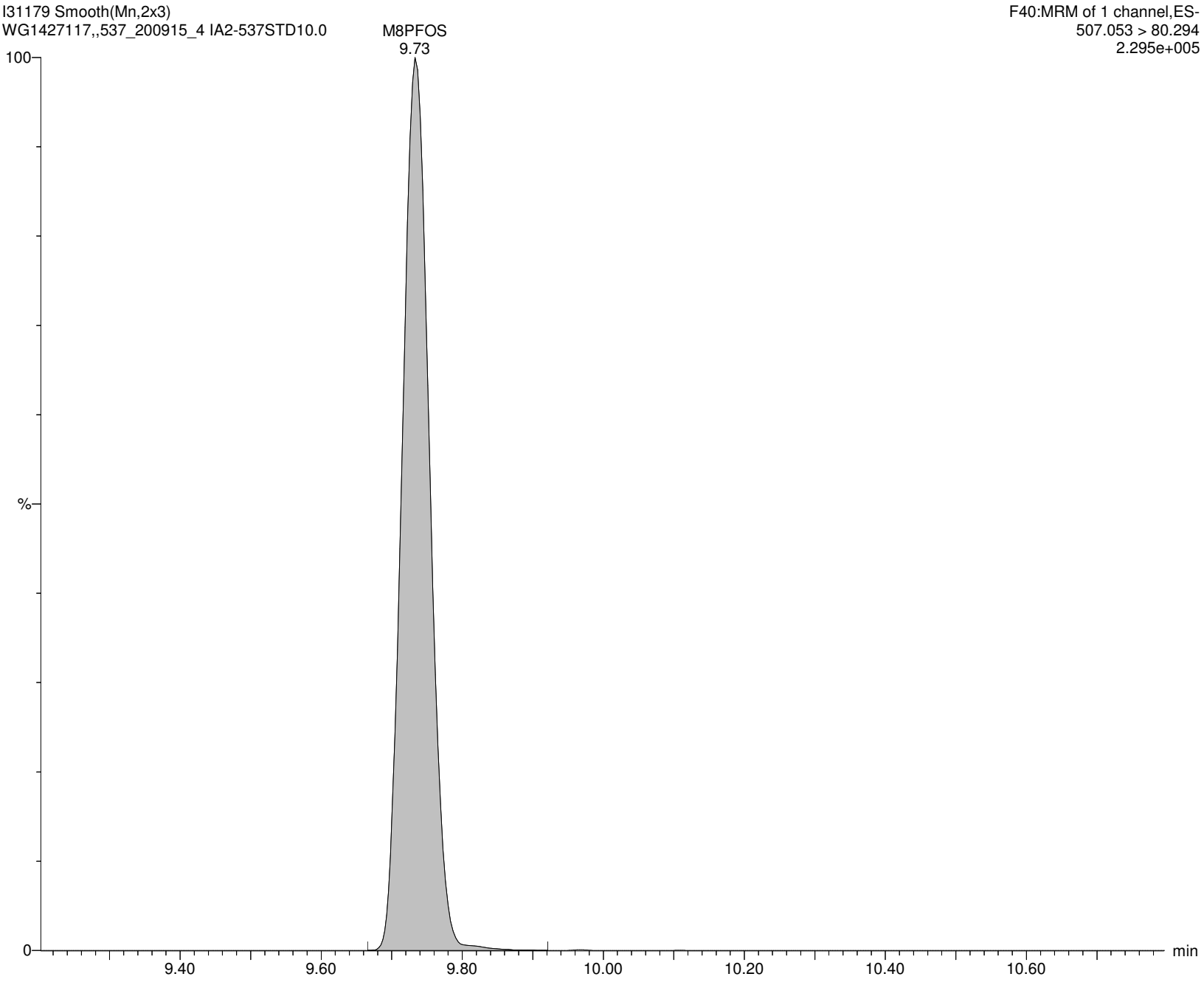

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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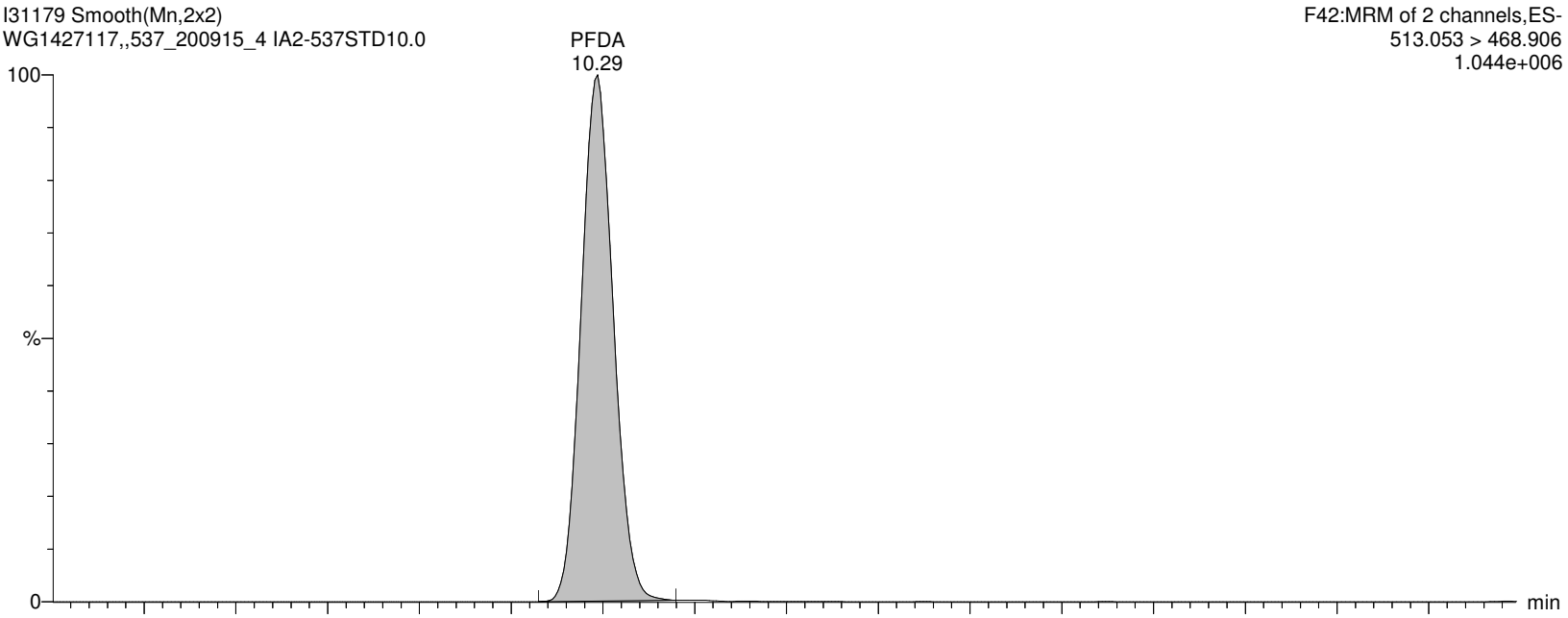

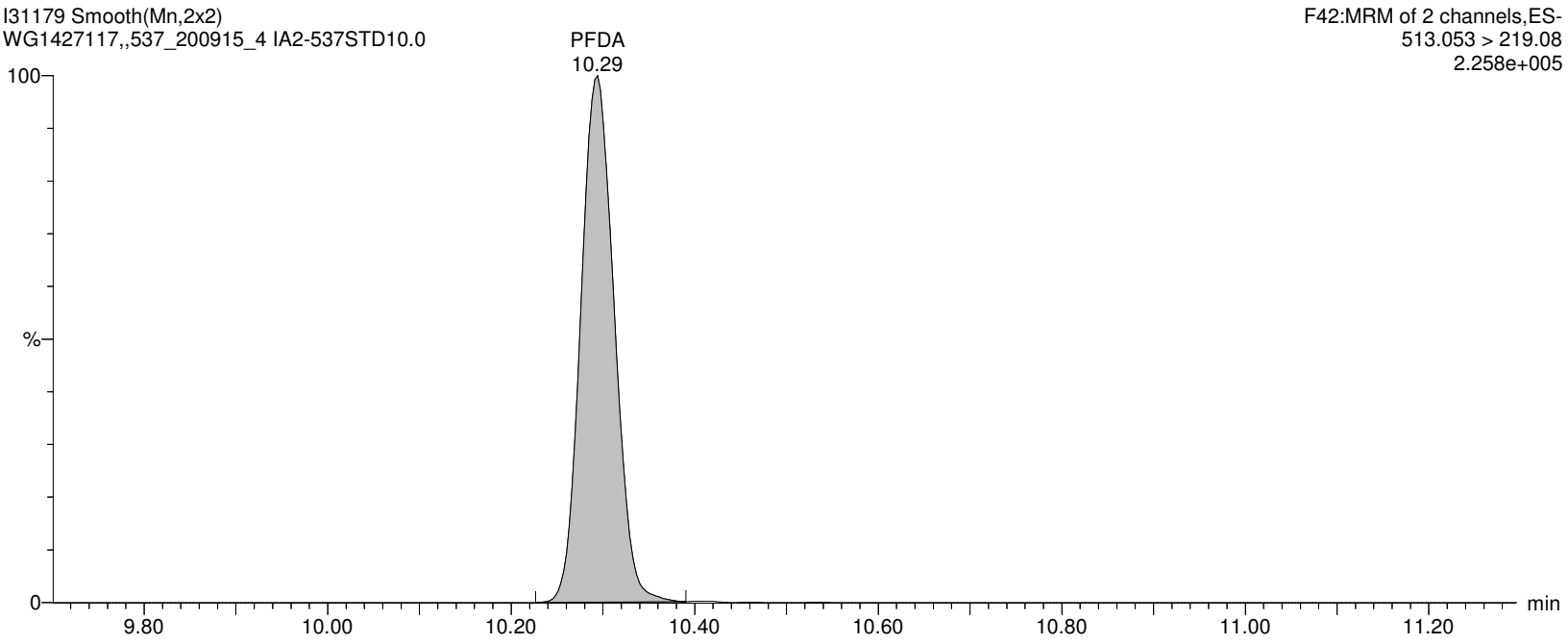

all concentration units in (ng/mL)

Alpha Analytical Inc.
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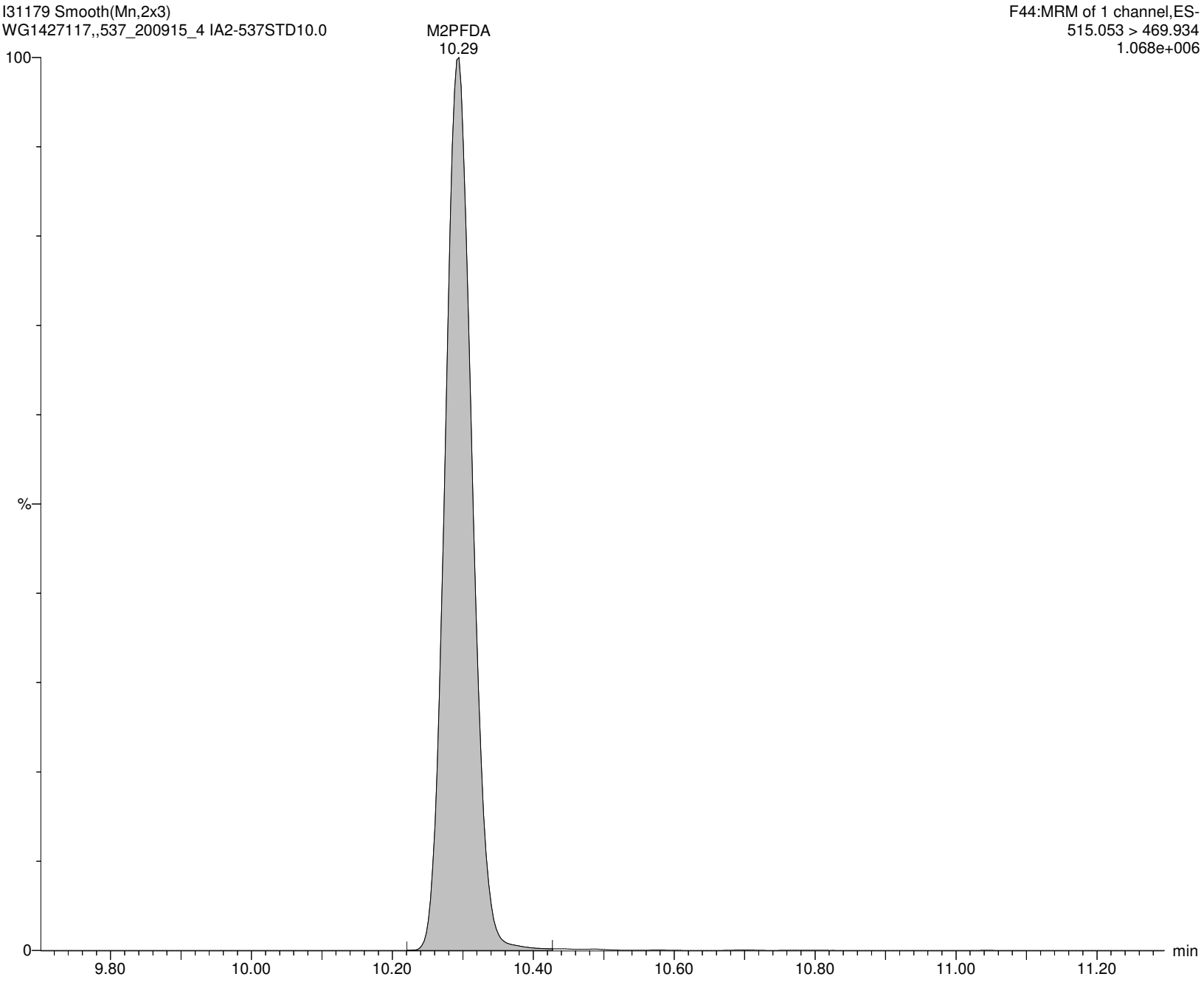
M2PFDA



all concentration units in (ng/mL)

Alpha Analytical Inc.
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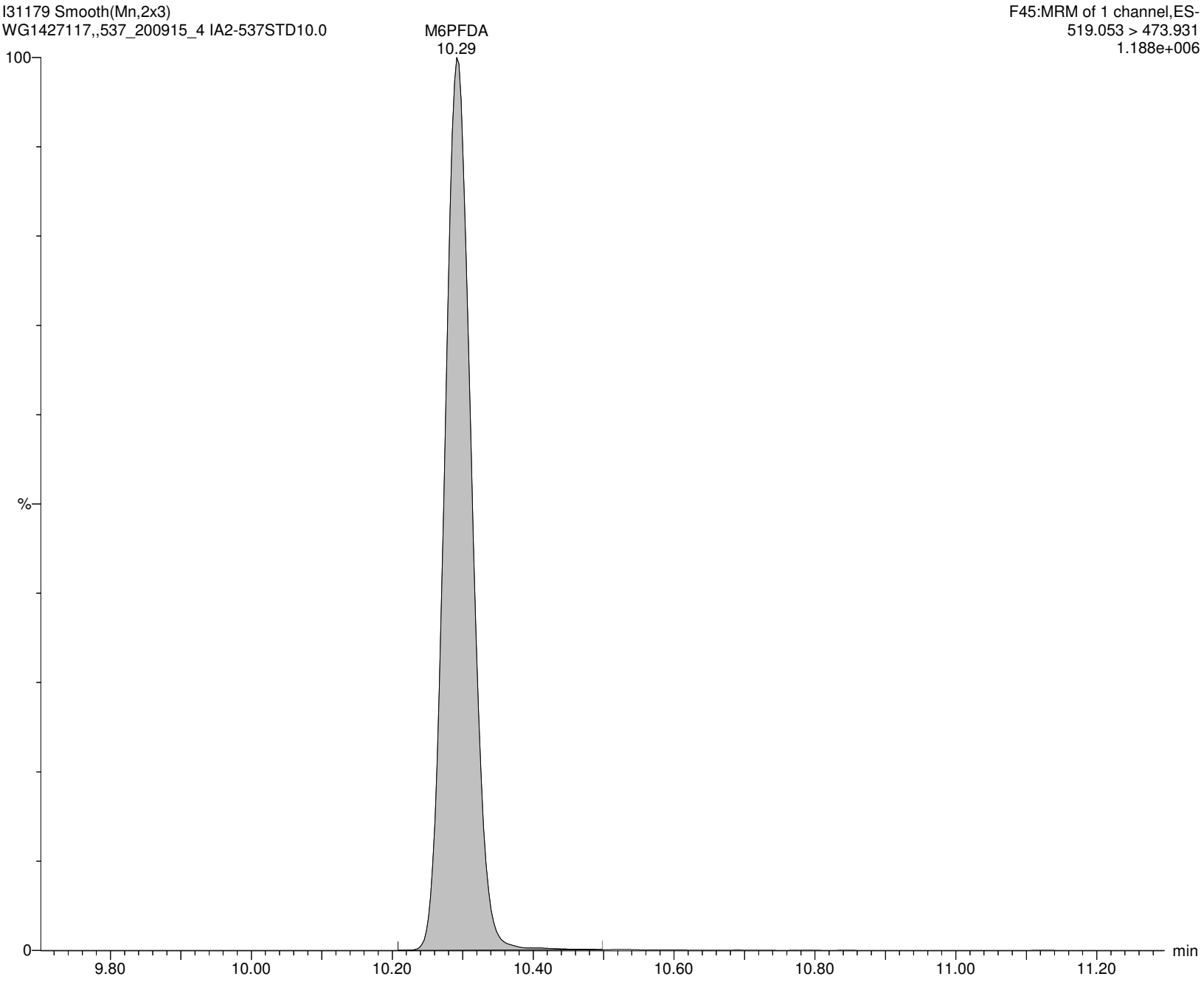

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
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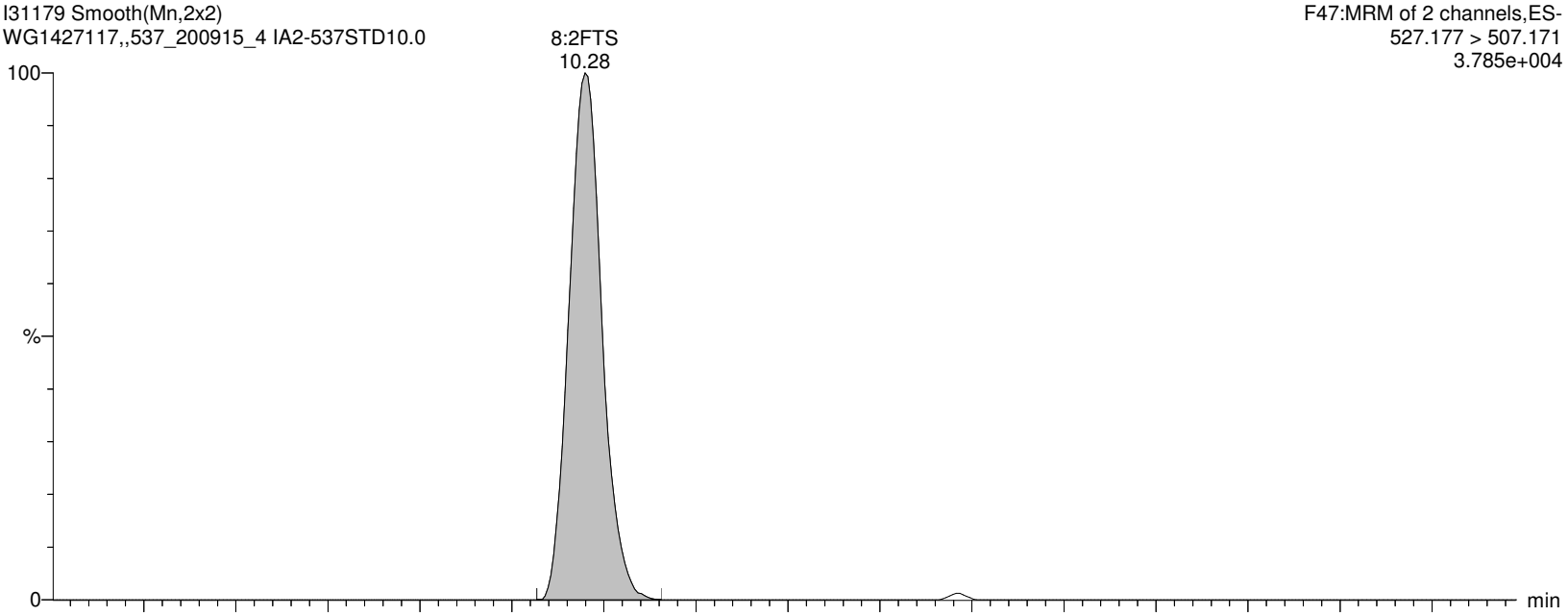
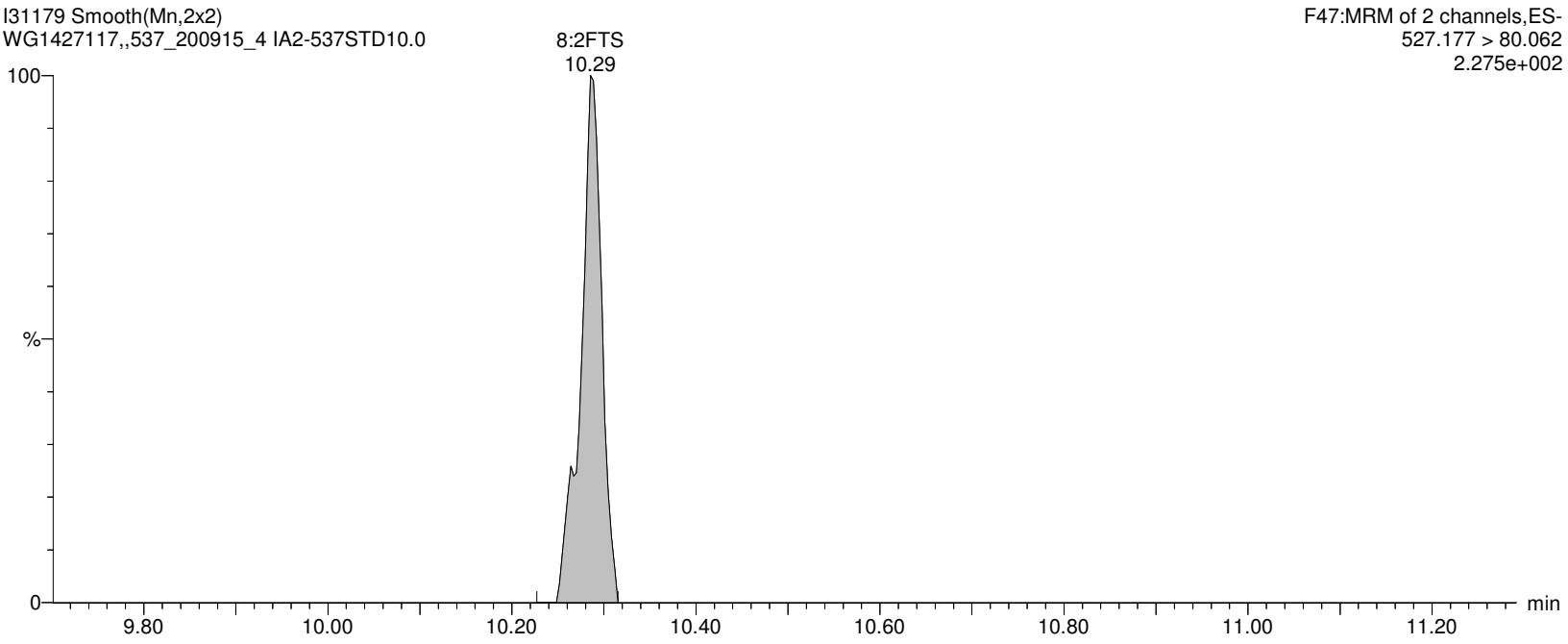
8:2FTS





all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
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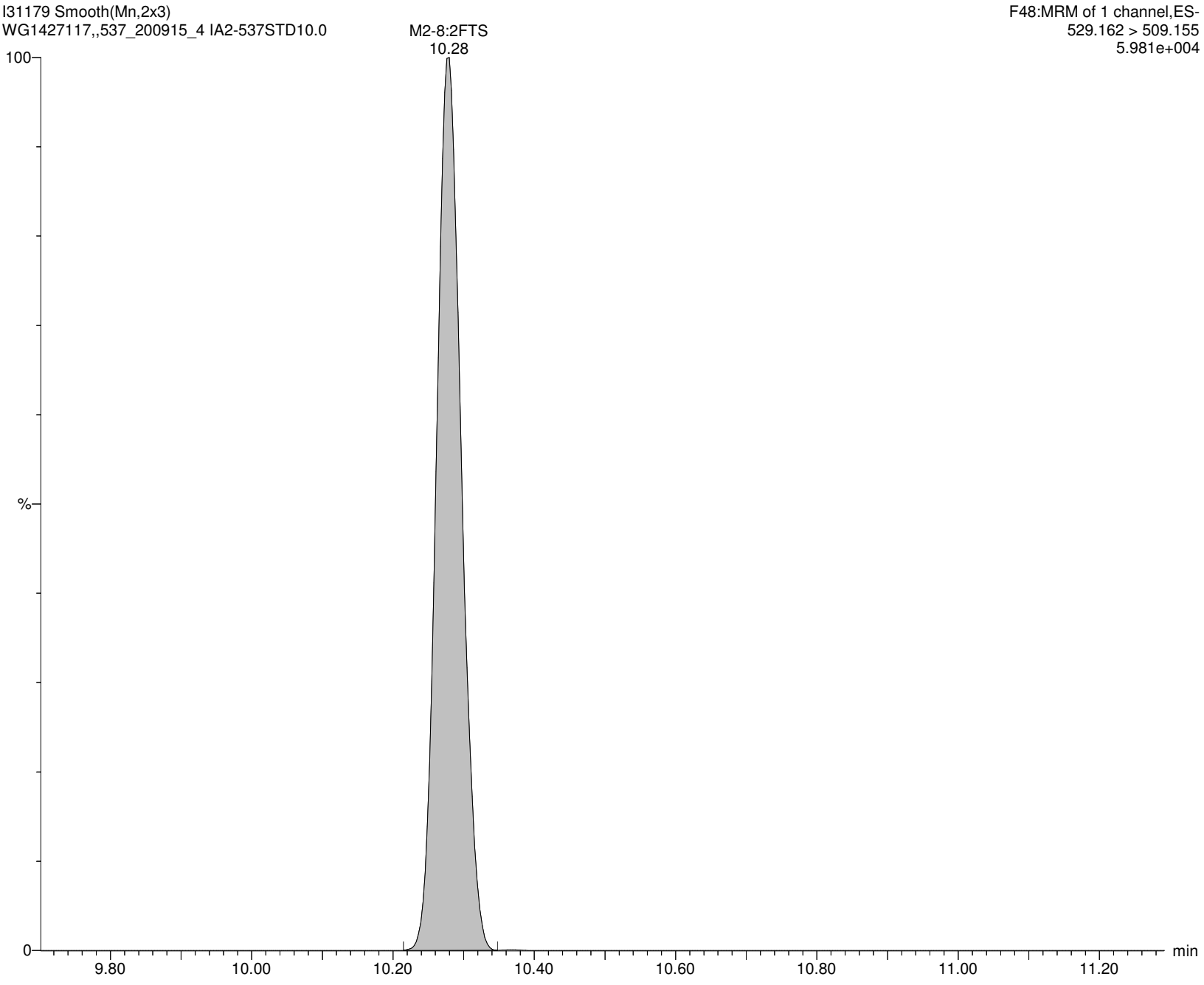
M2-8:2FTS



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
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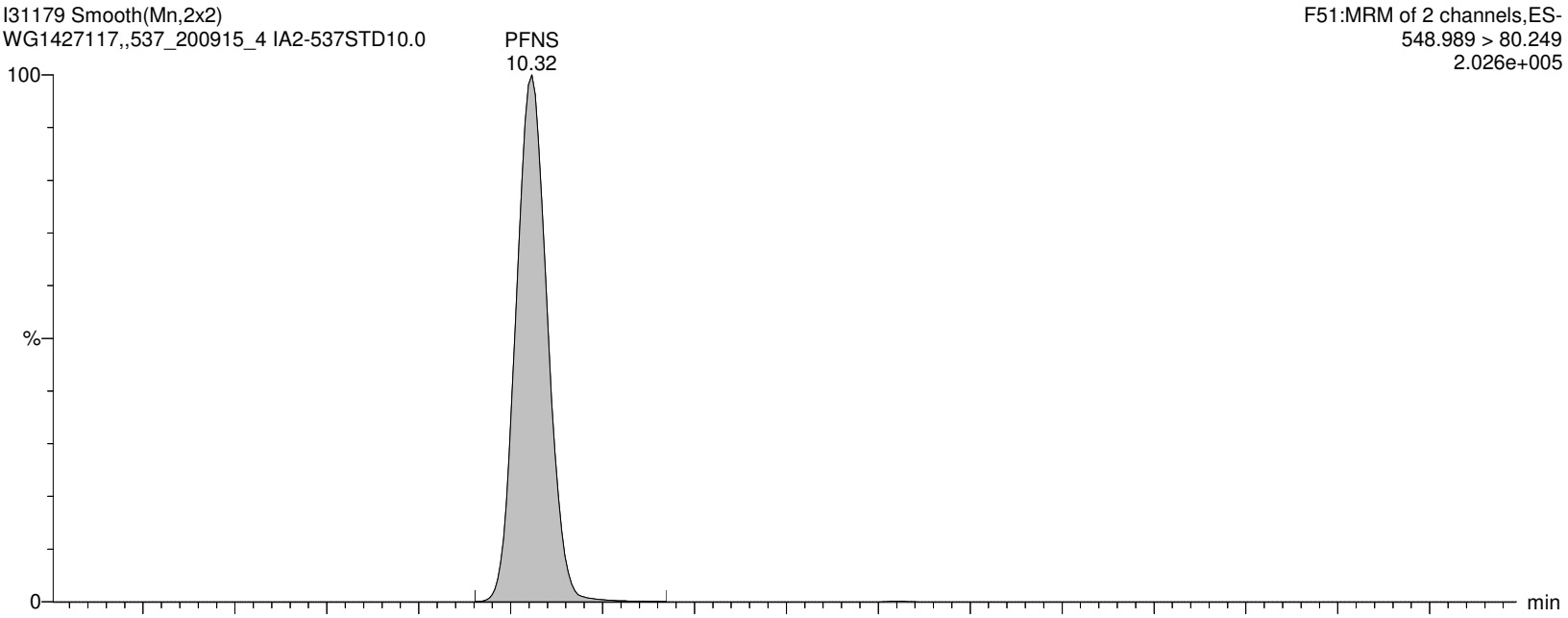

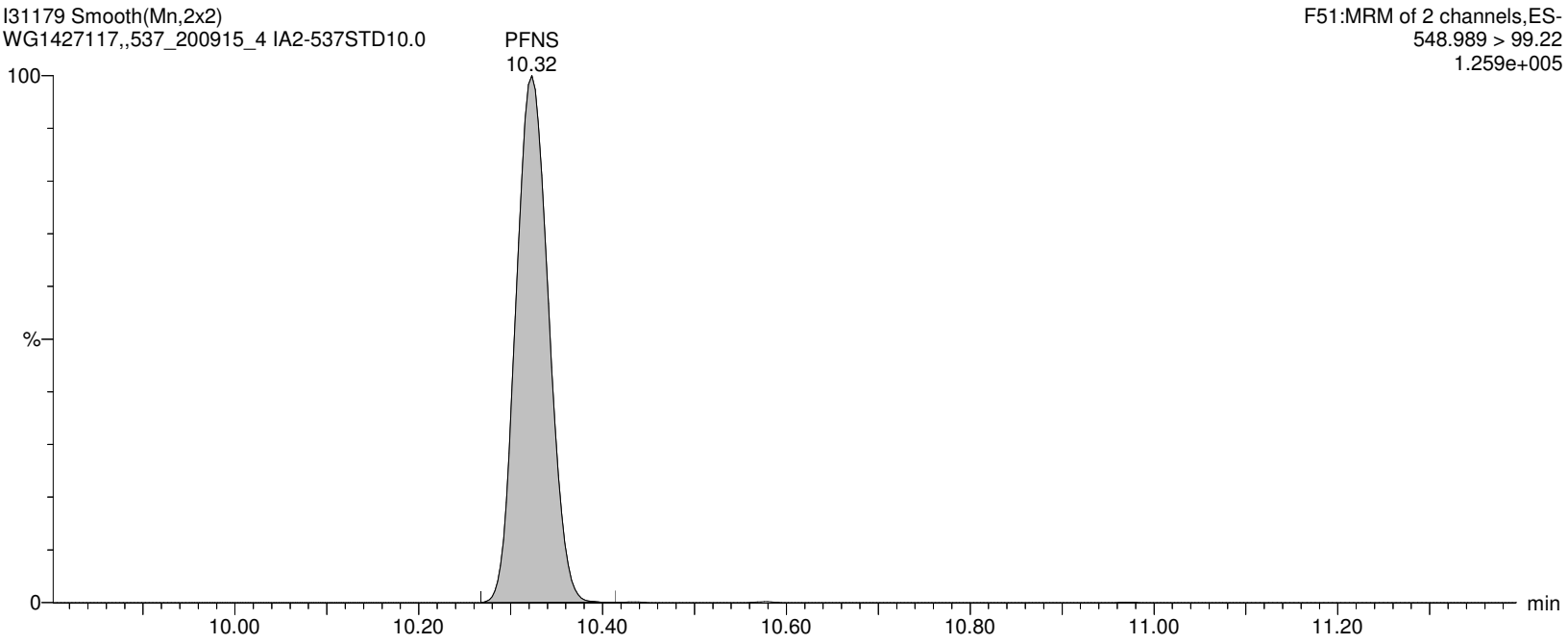

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:15:51 Eastern Daylight Time

Name: I31179
ID: IA2-537STD10.0
Date: 27-Oct-2020
Time: 18:30:17
Description: WG1427117,,537_200915_4
User: LCMS02:JW
Vial: 1:A,5
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\200520_TUNE.IPR
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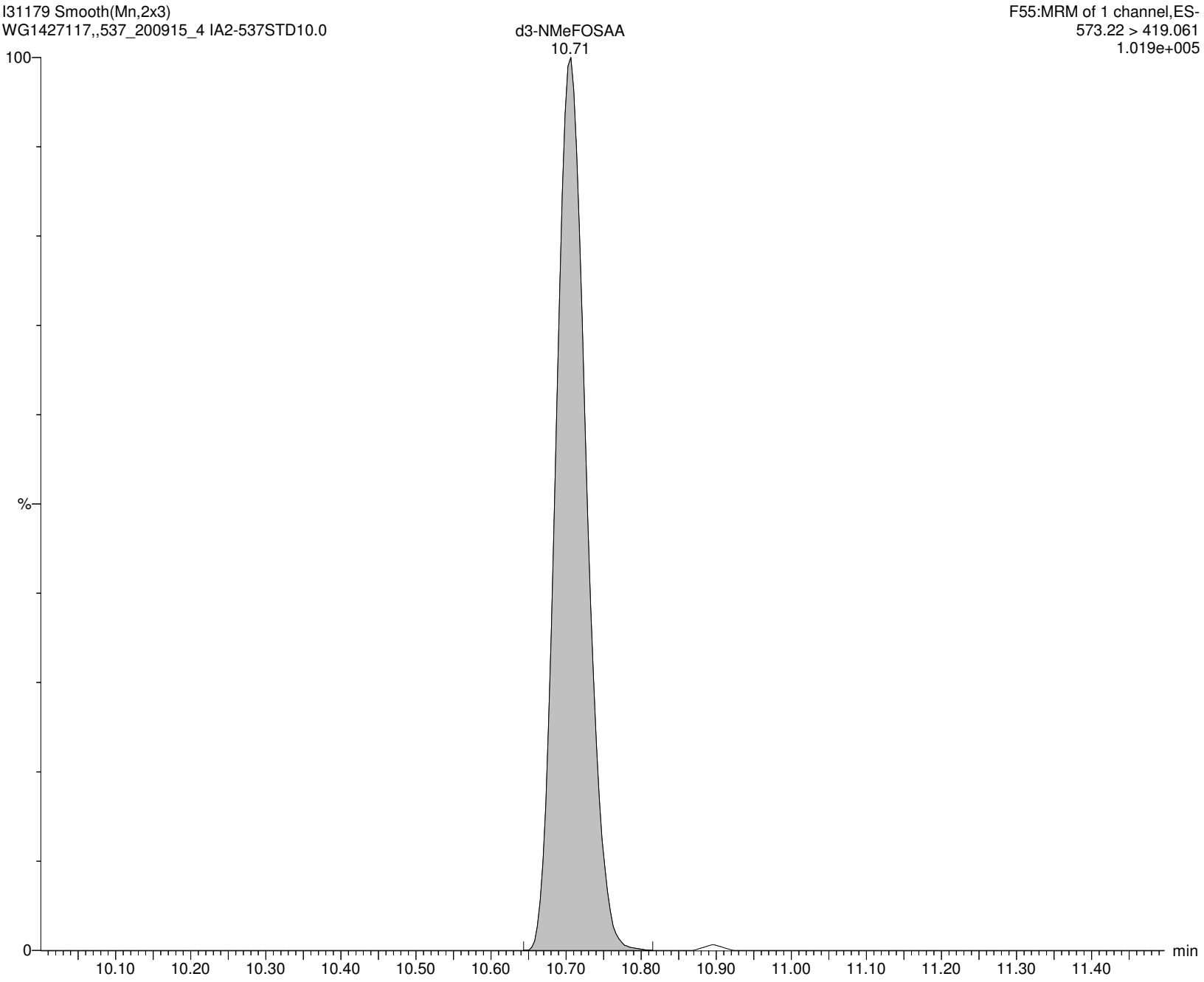

all concentration units in (ng/mL)

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Vial: 1:A,5
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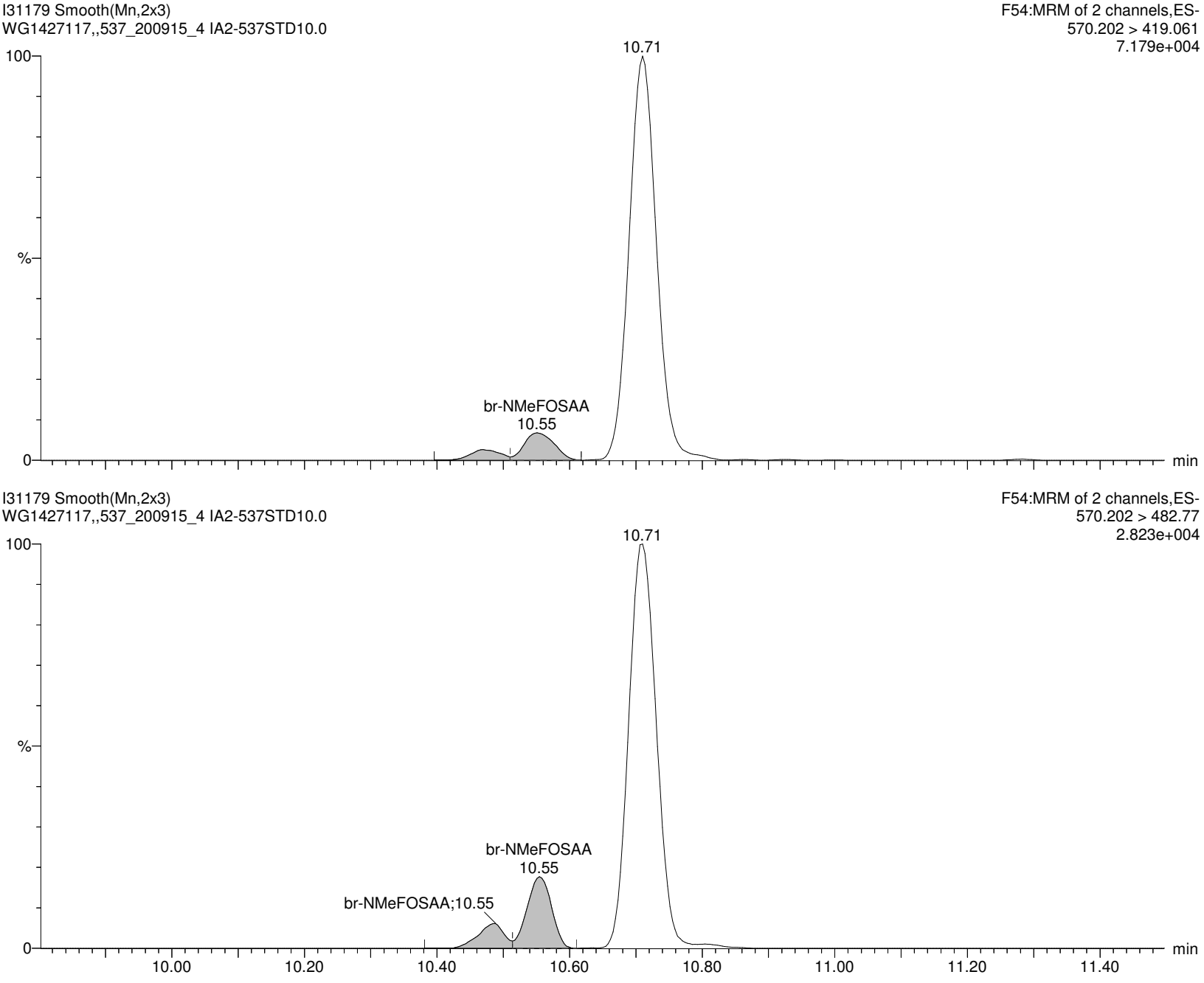
br-NMeFOSAA



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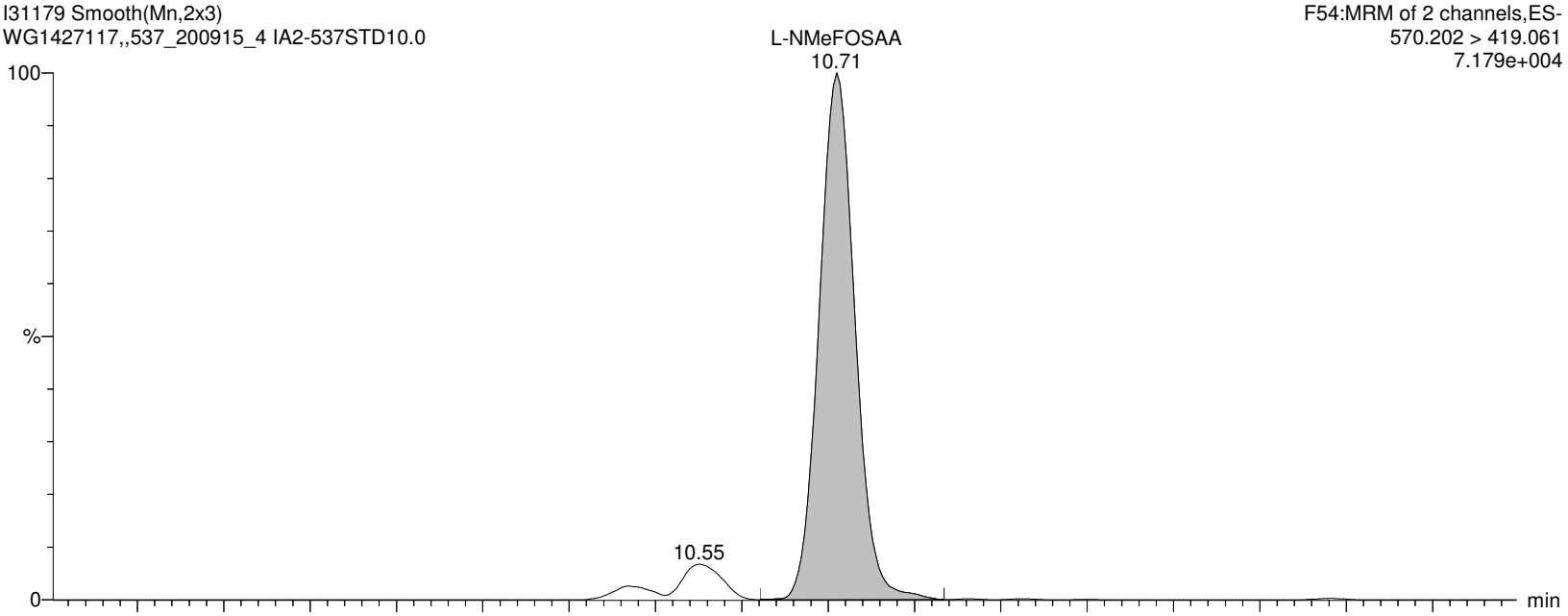
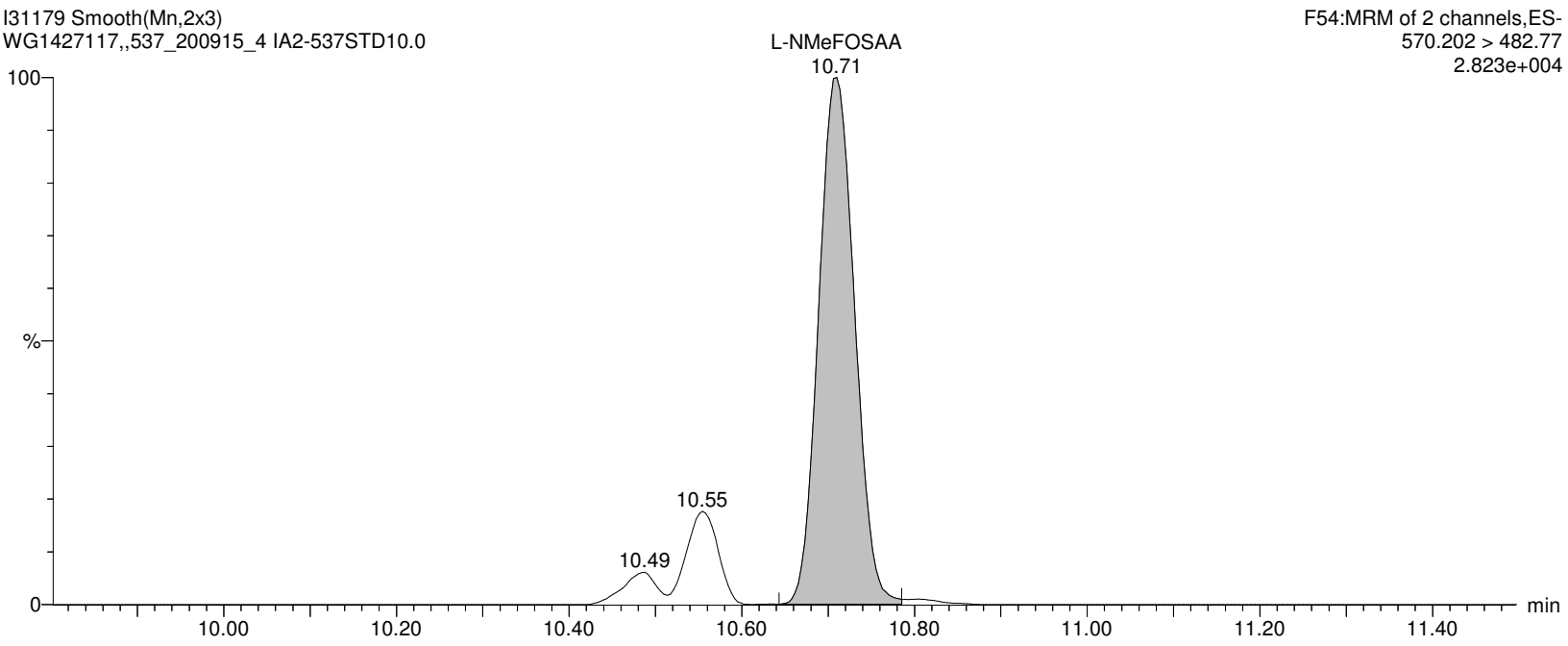
L-NMeFOSAA





all concentration units in (ng/mL)

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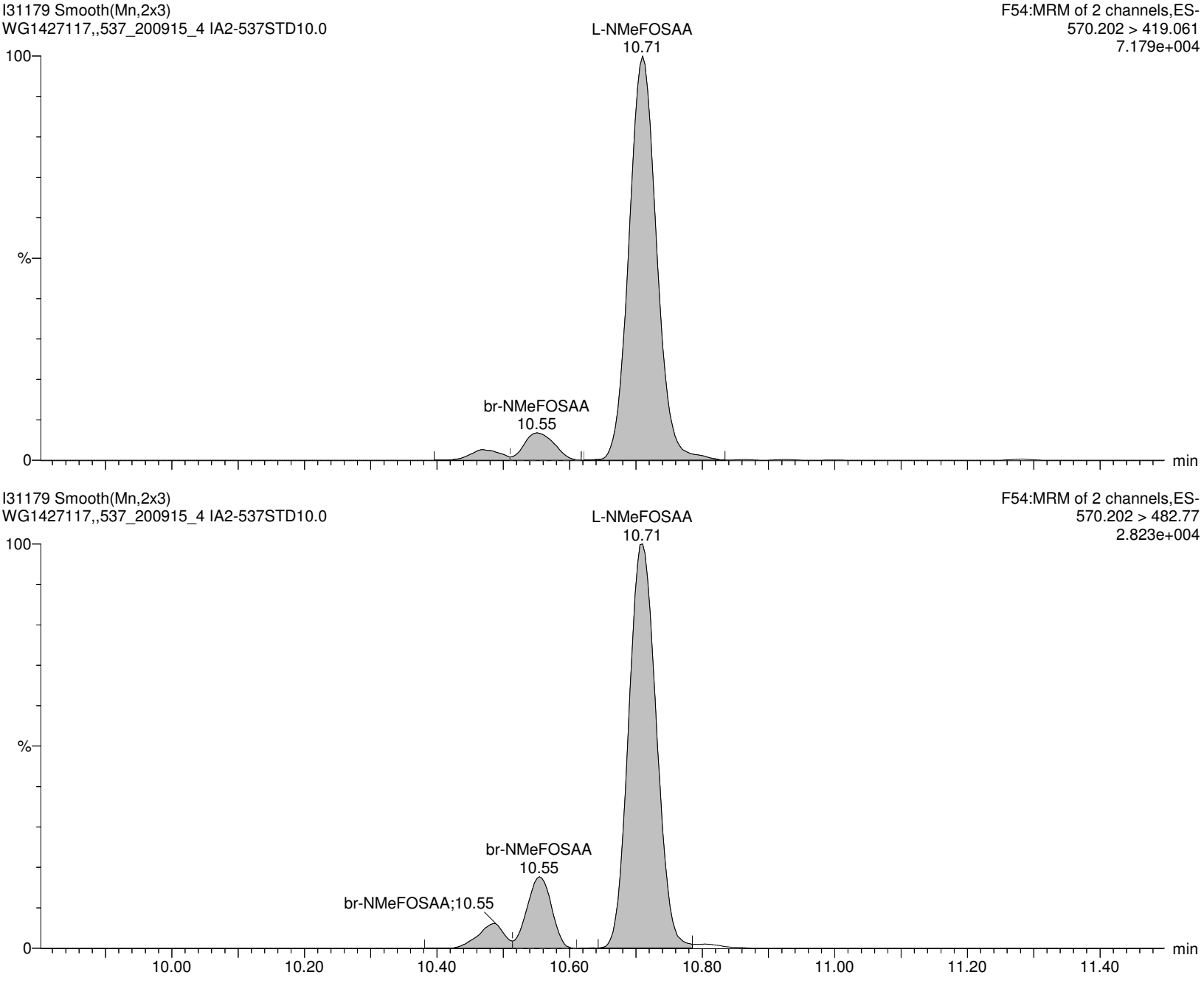
NMeFOSAA



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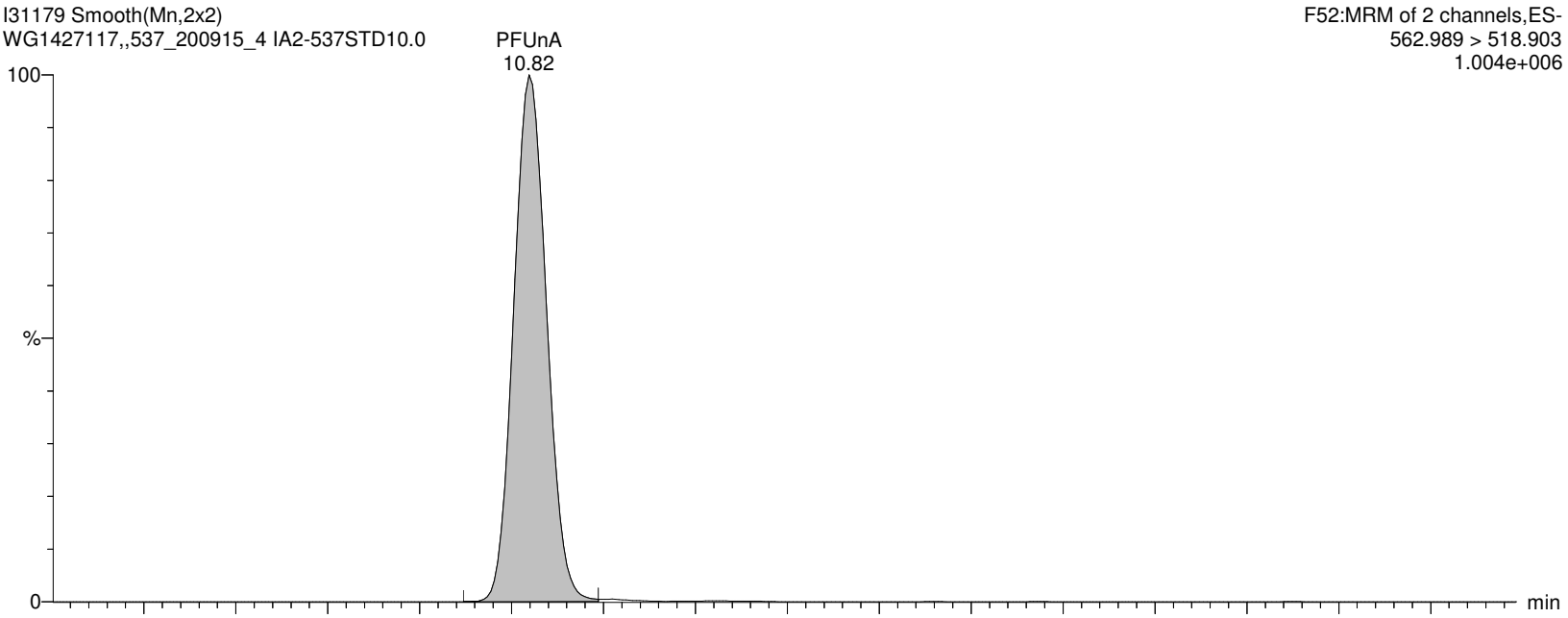

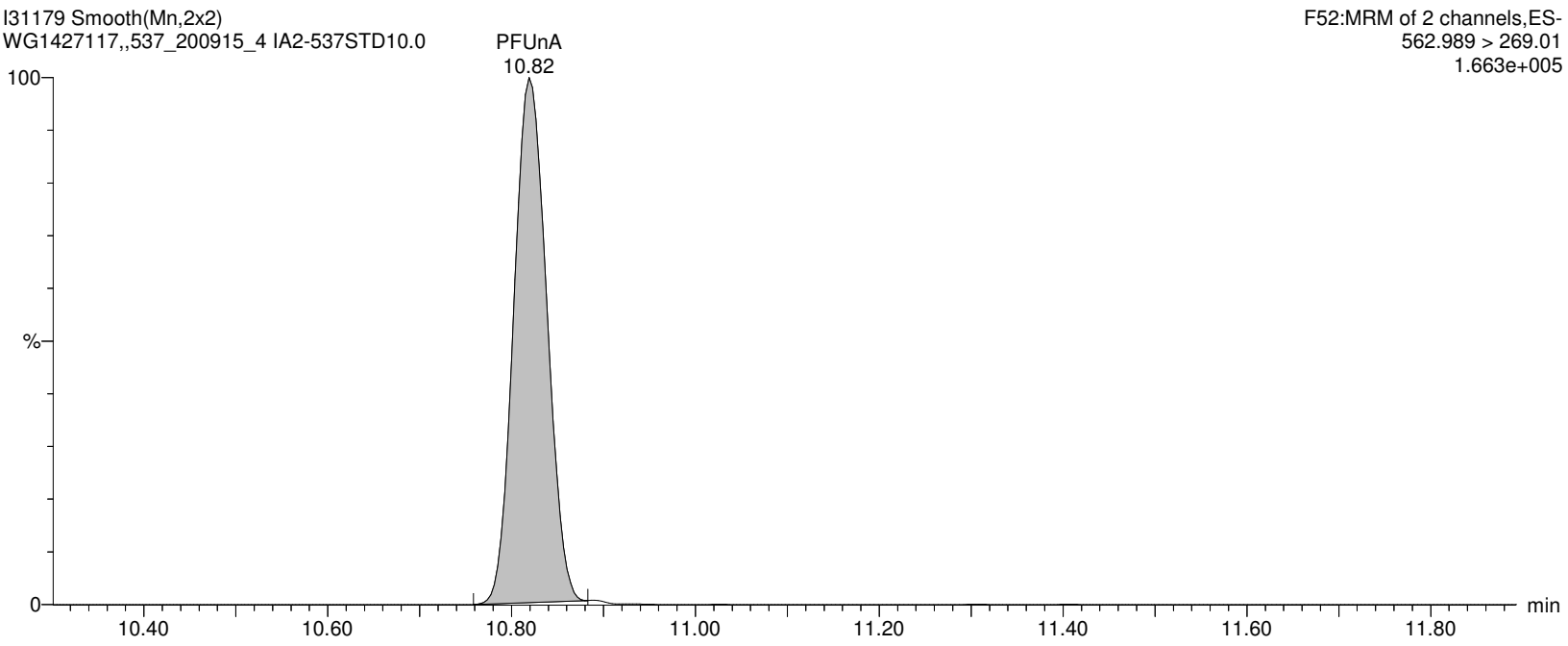

all concentration units in (ng/mL)

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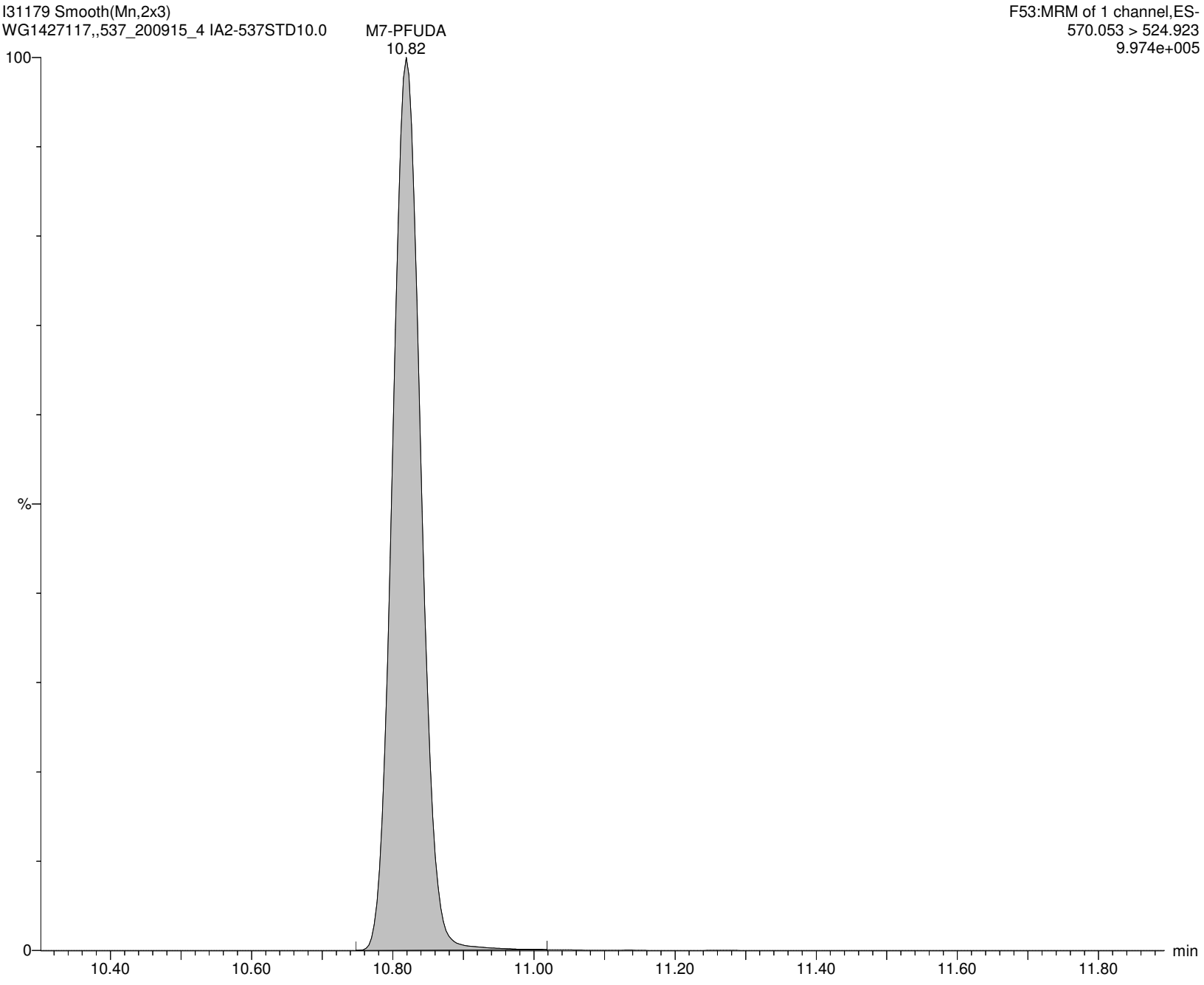
M7-PFUDA



all concentration units in (ng/mL)

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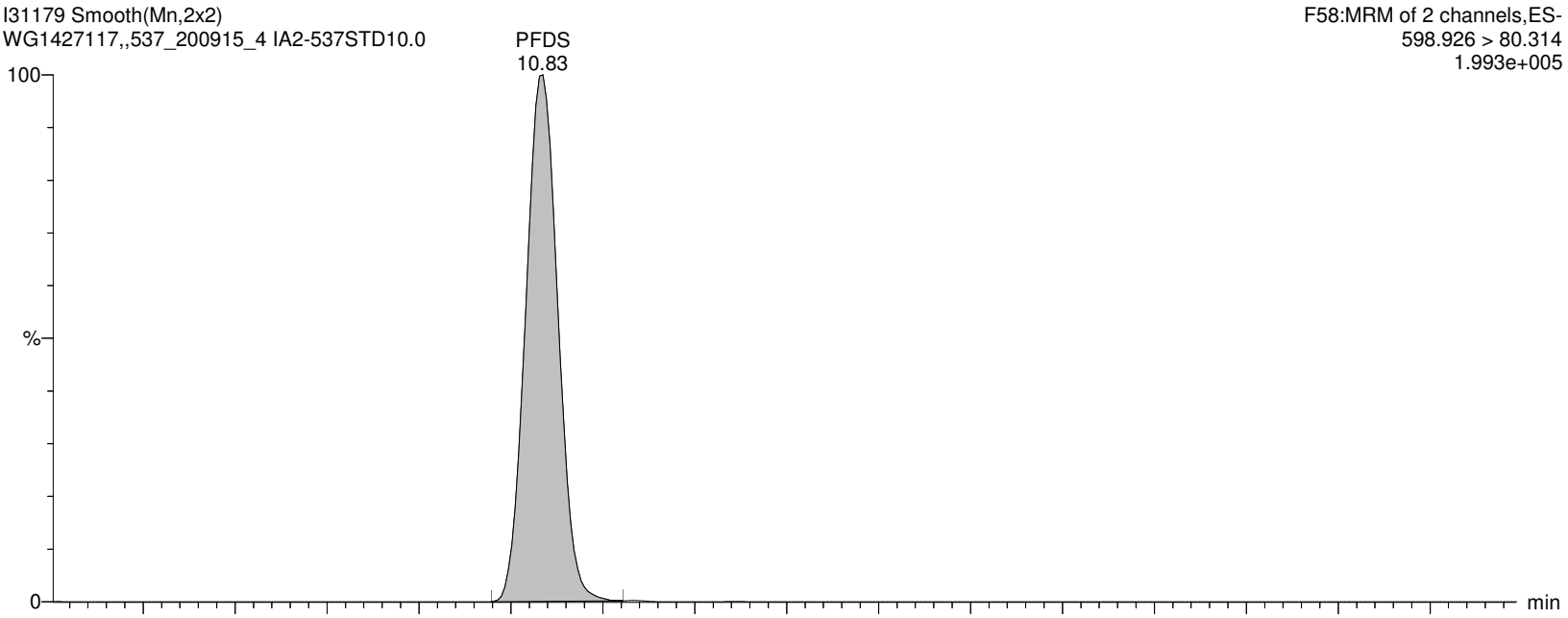

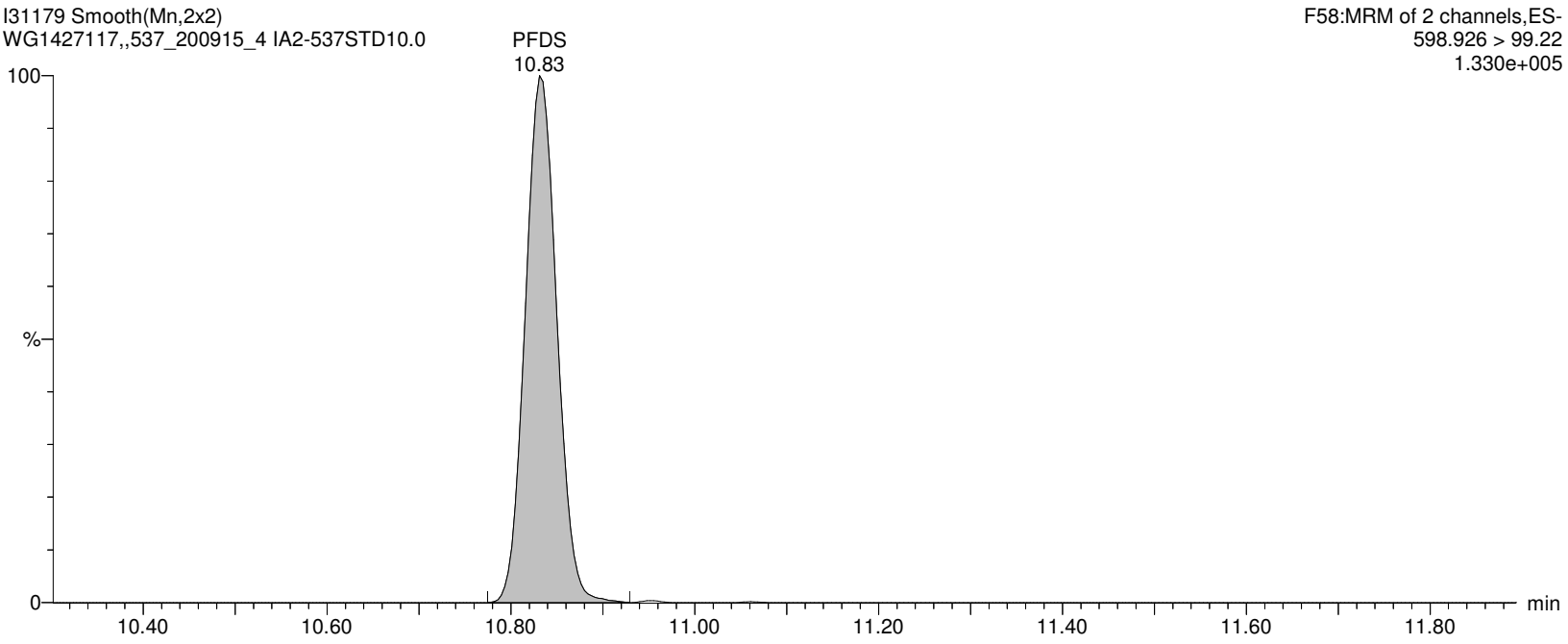

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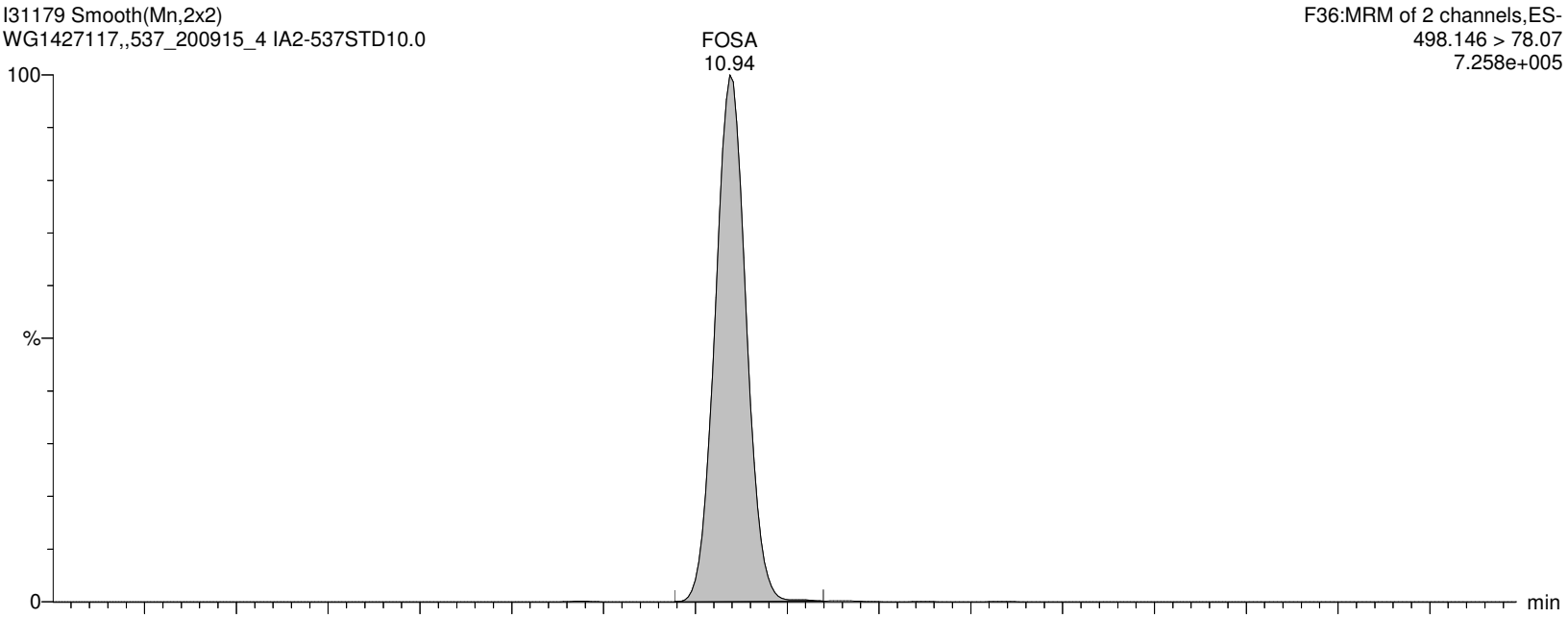

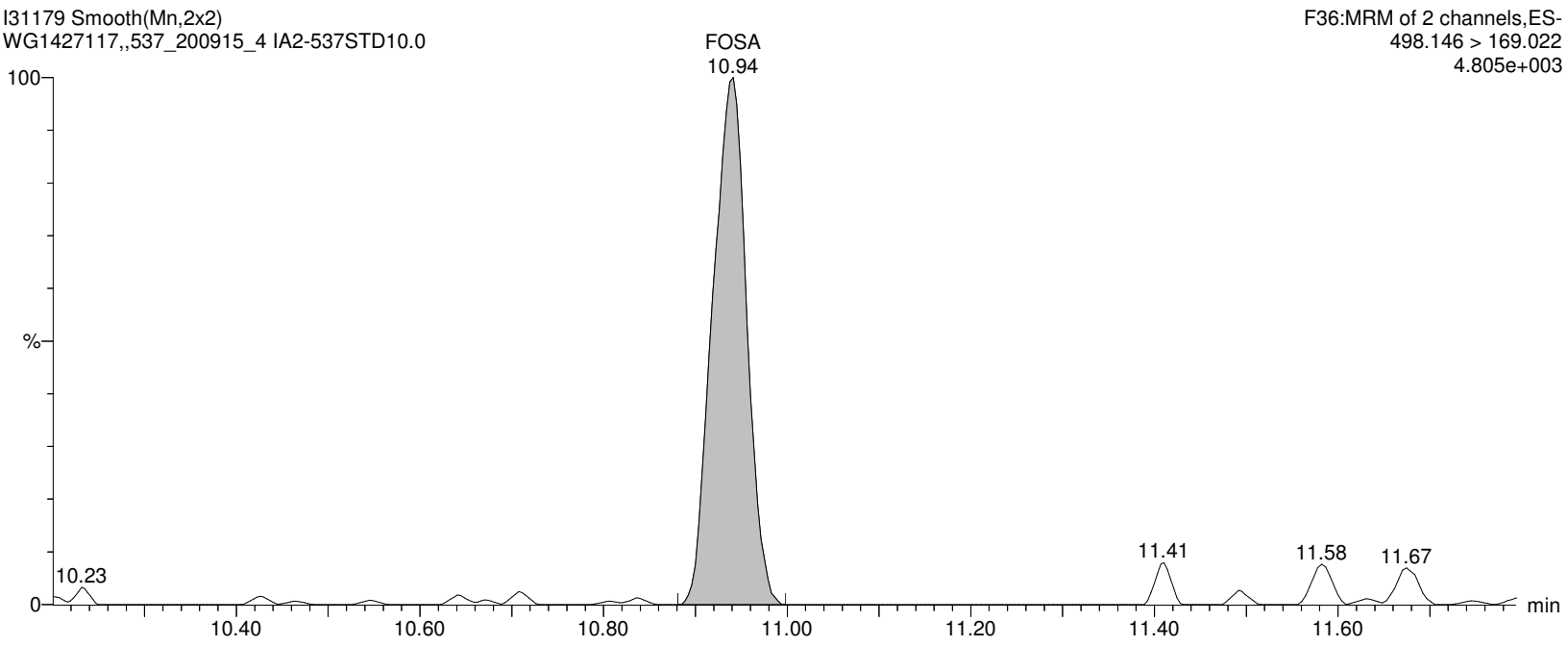

all concentration units in (ng/mL)

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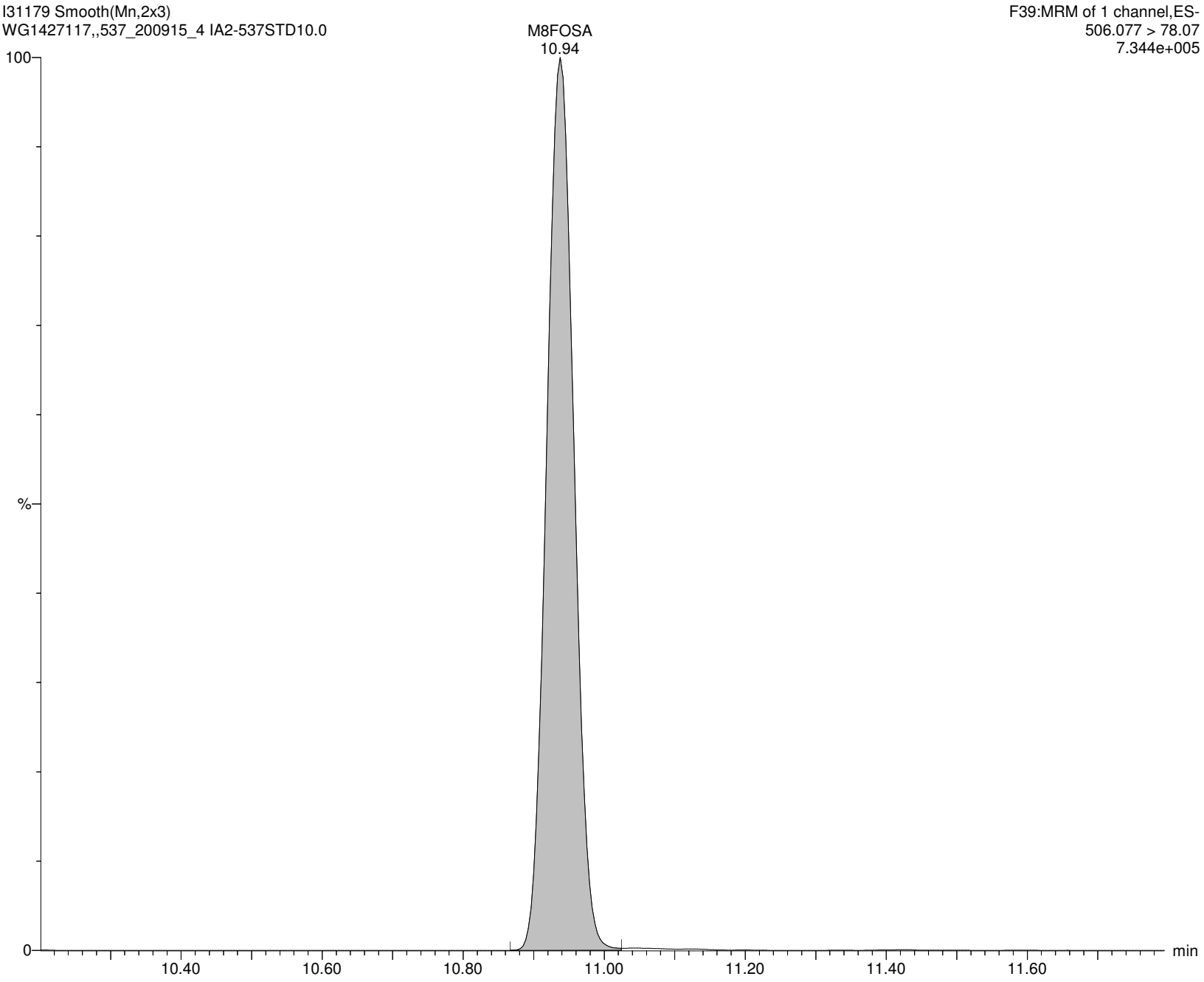

all concentration units in (ng/mL)

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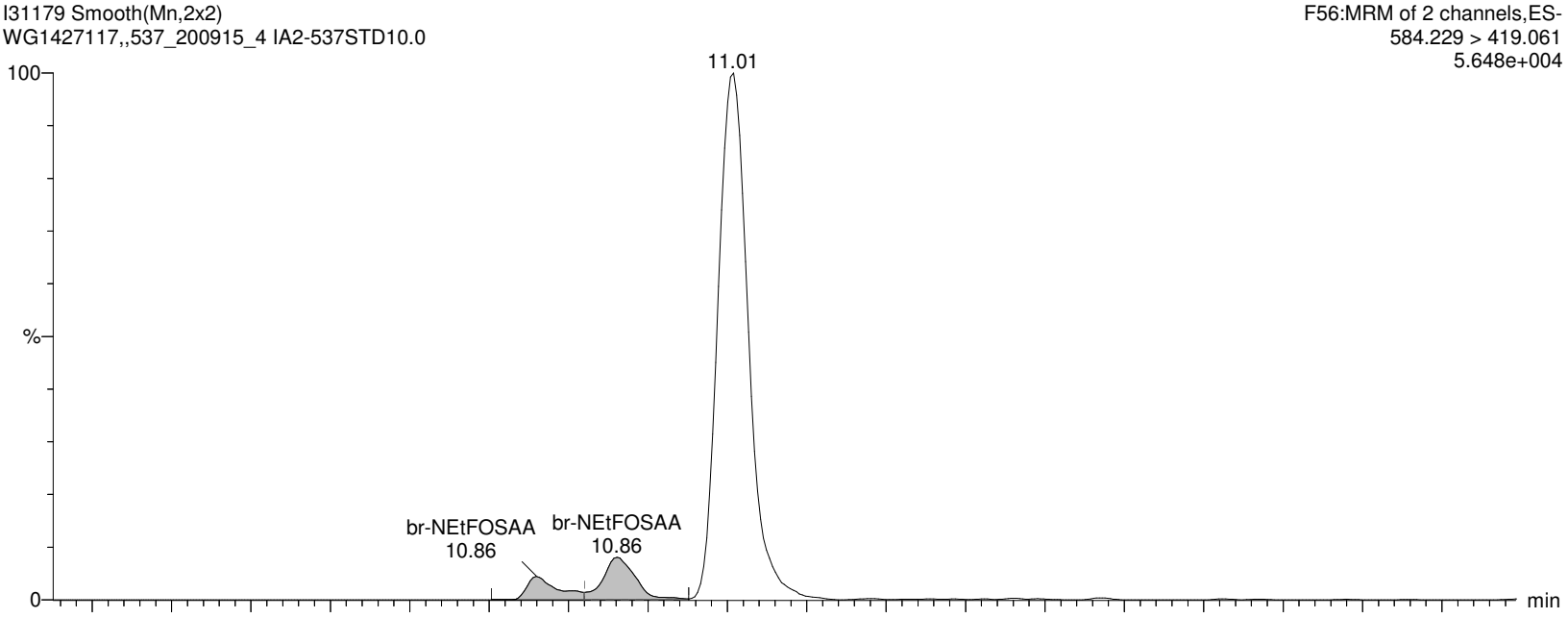

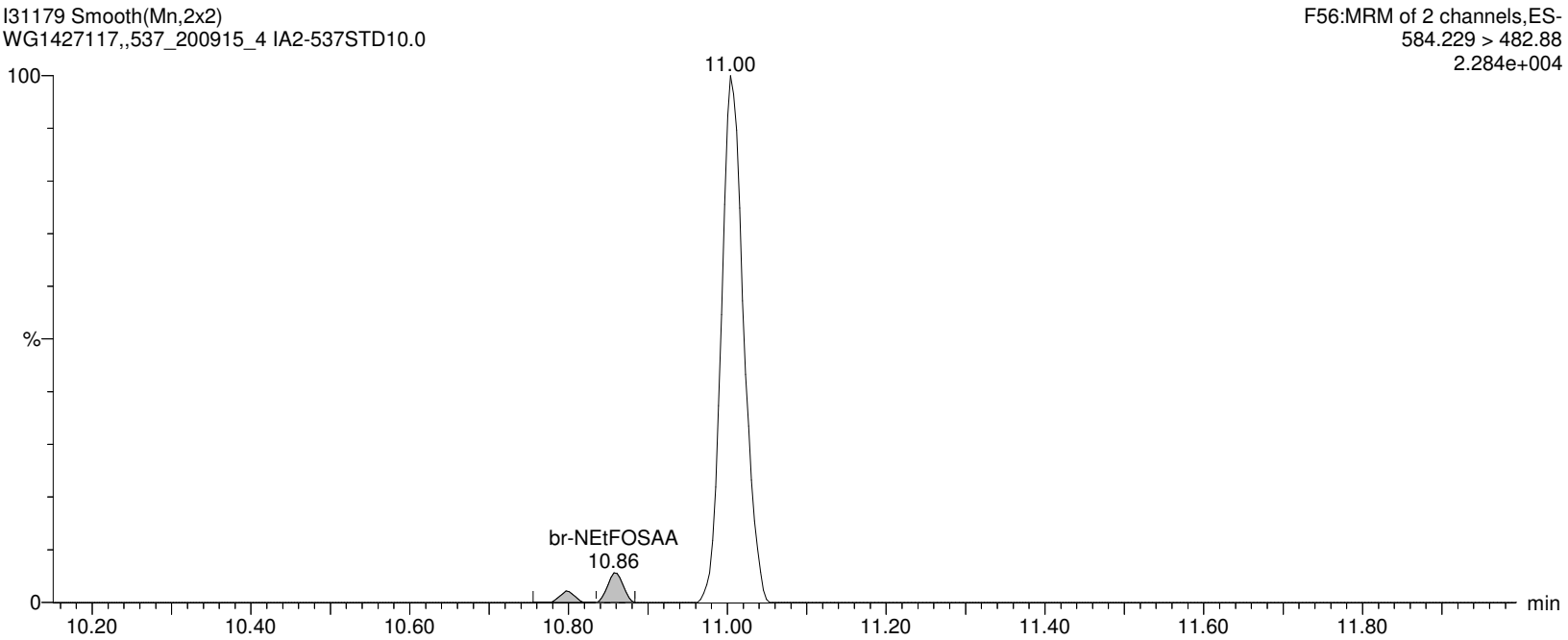

all concentration units in (ng/mL)

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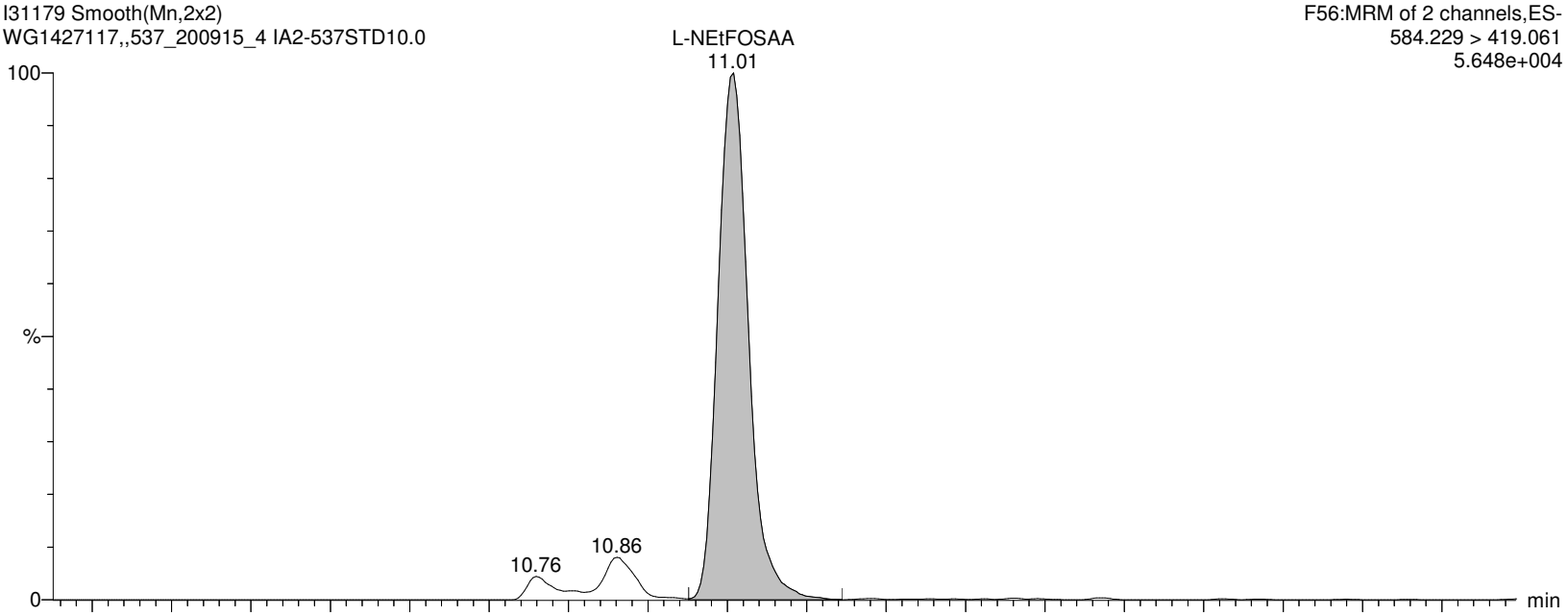

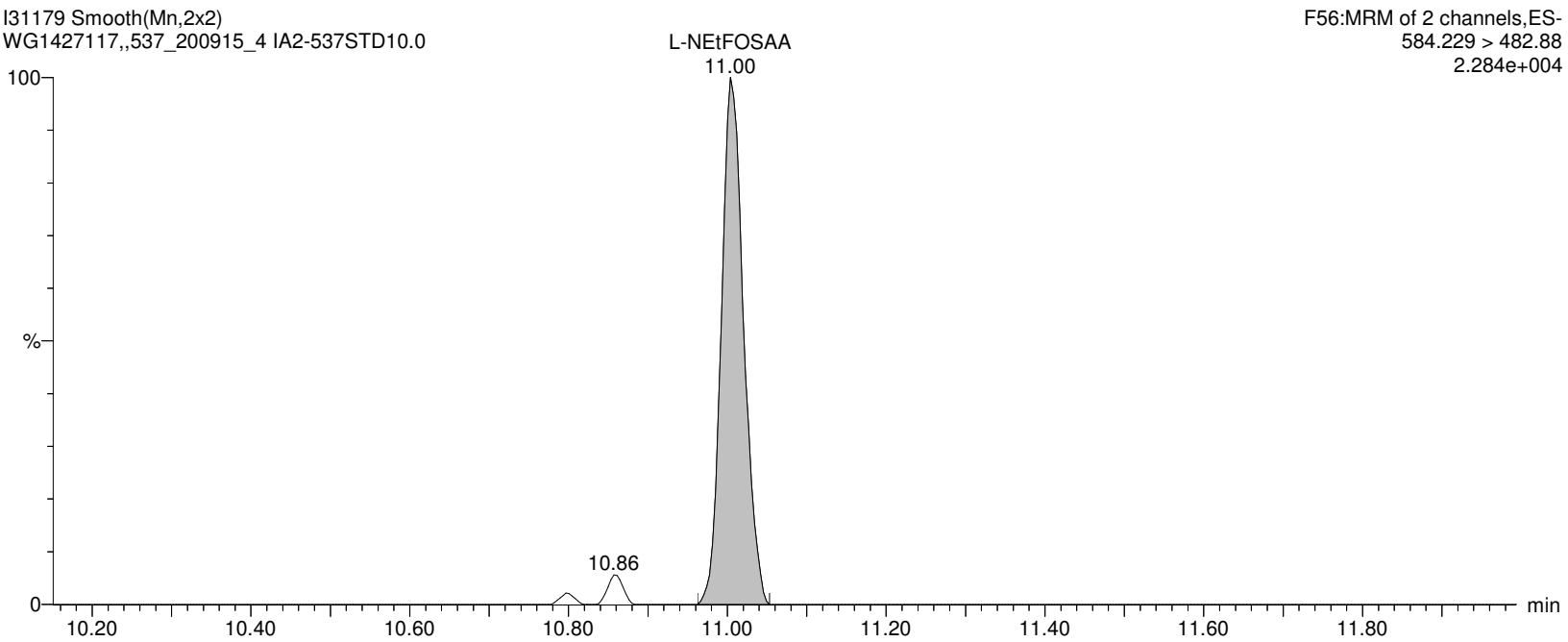

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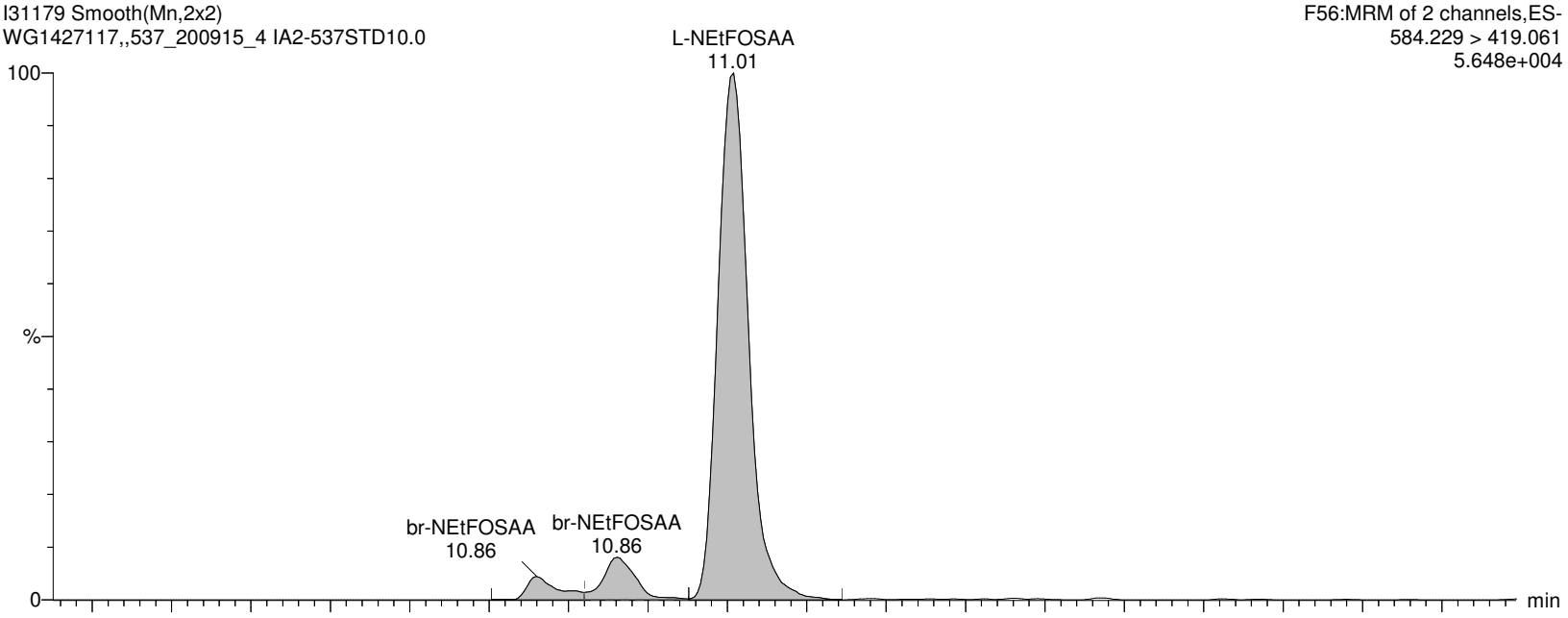
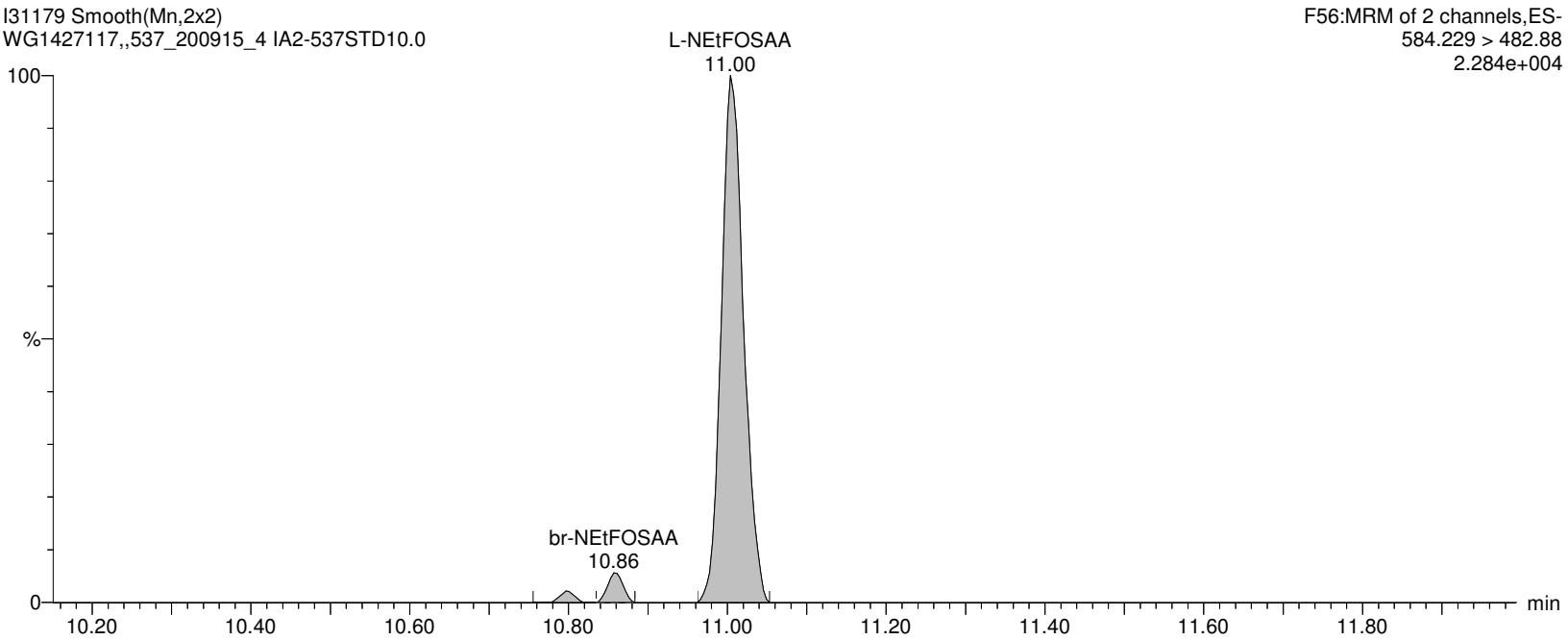
NEtFOSAA





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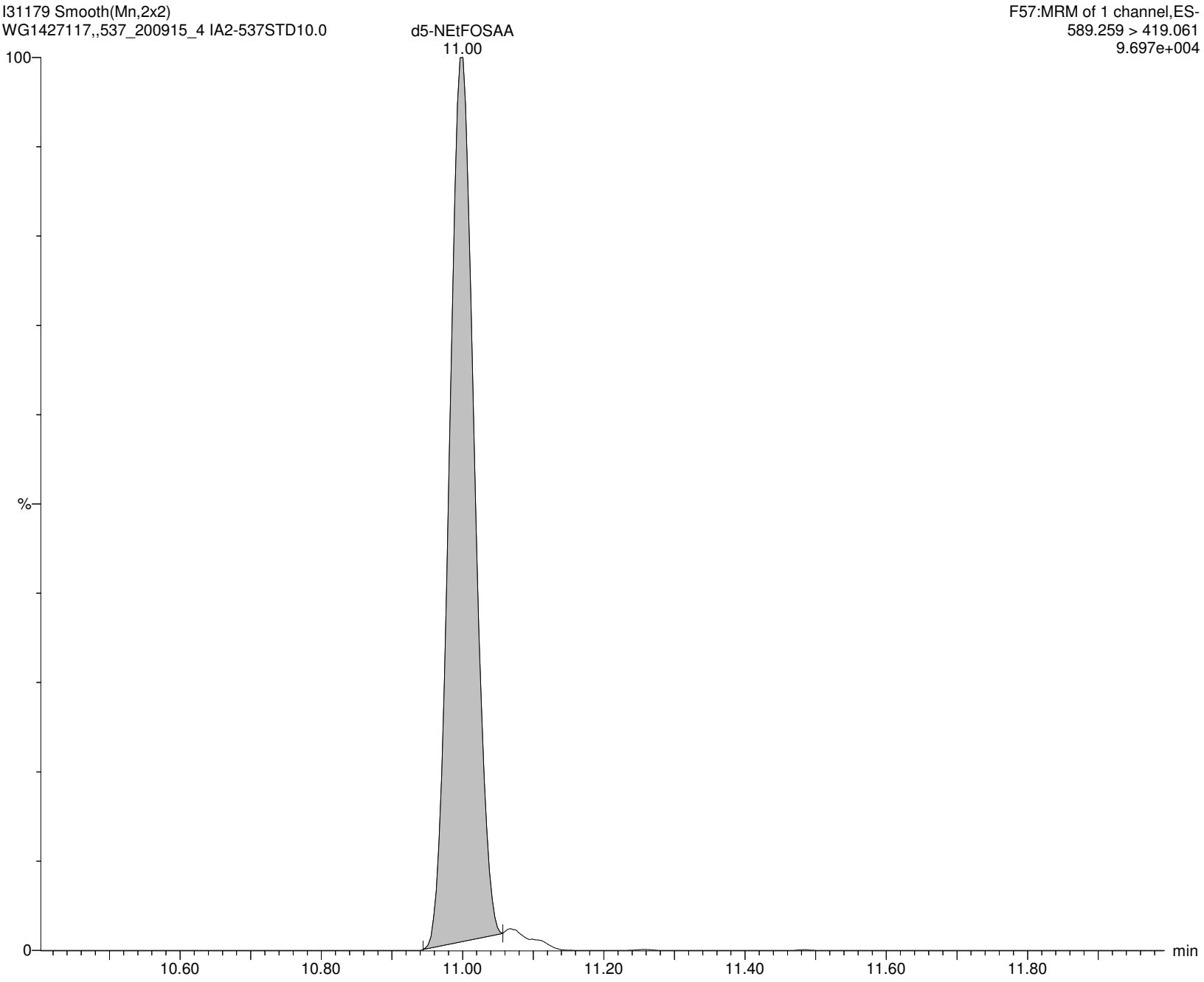
d5-NEtFOSAA



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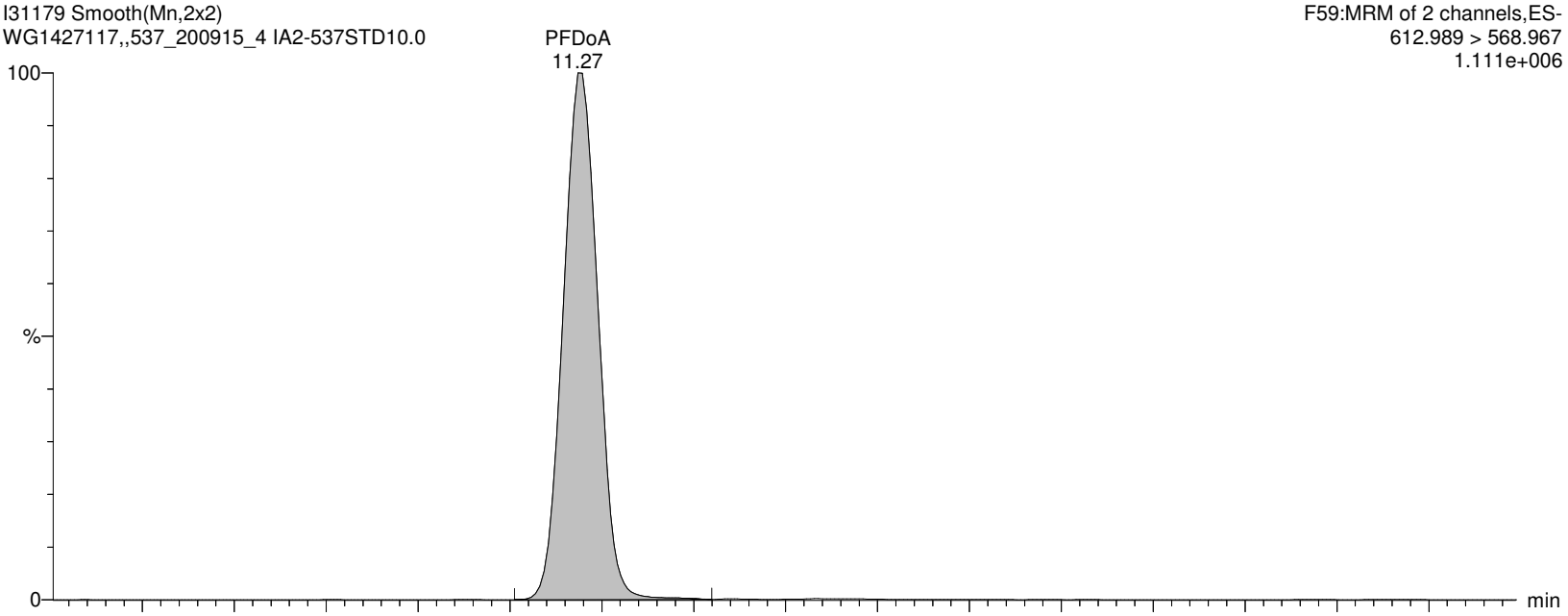

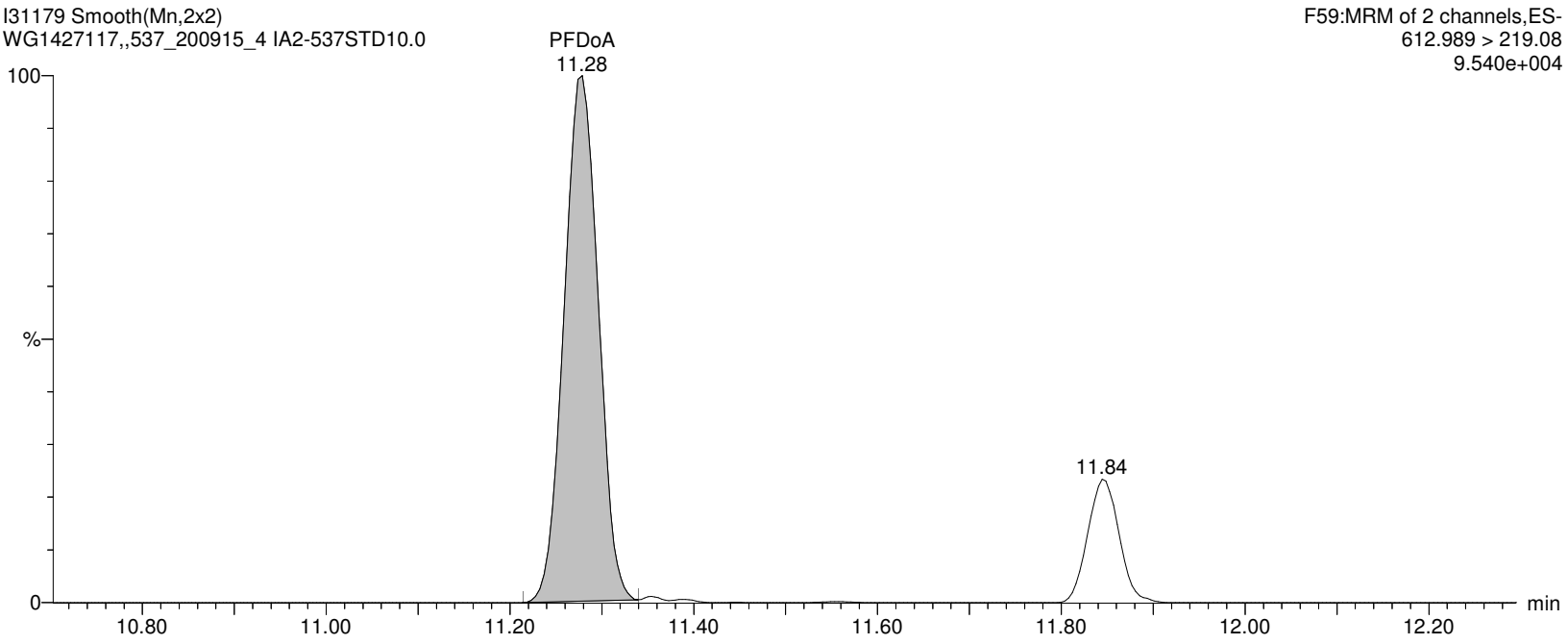

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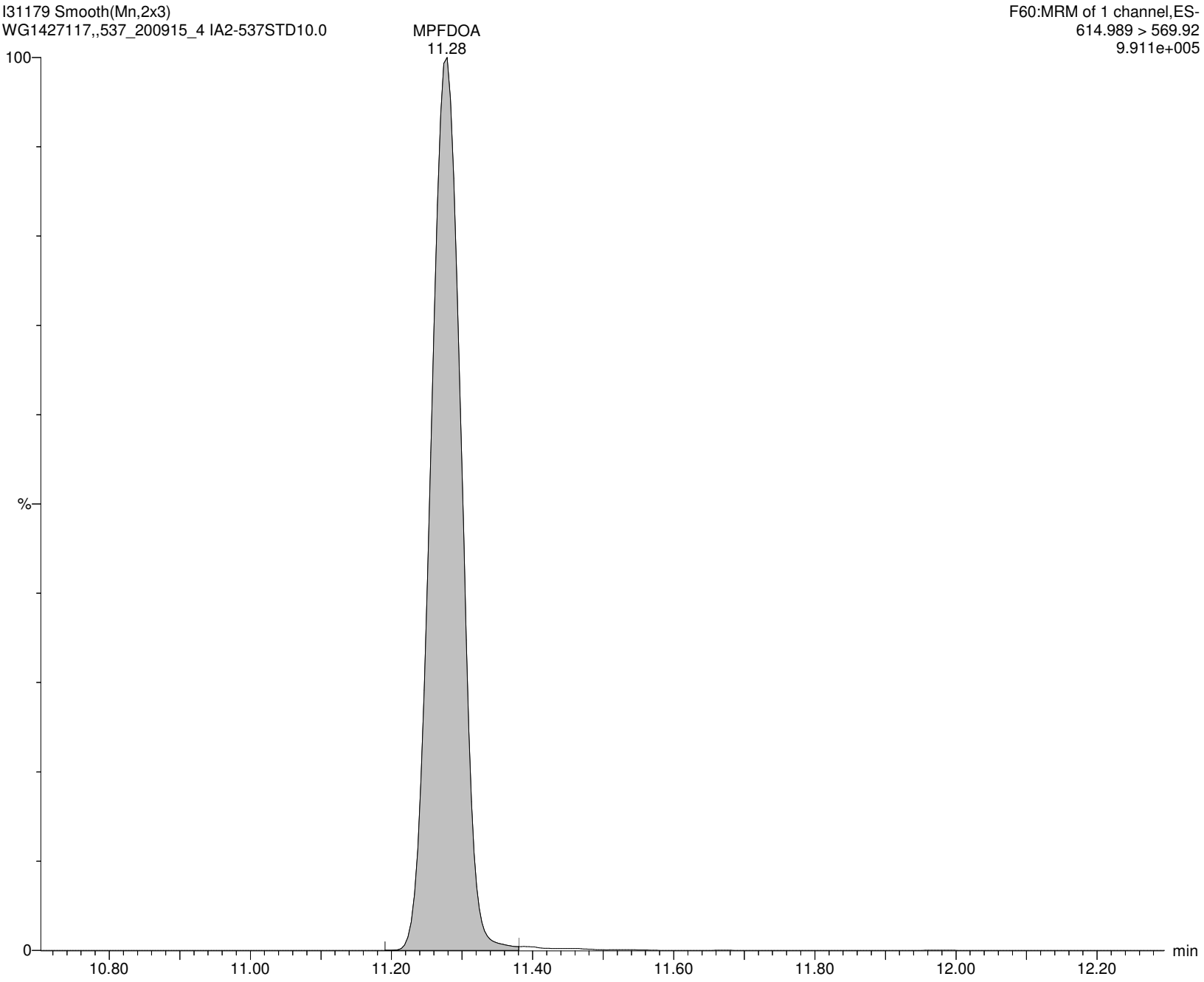

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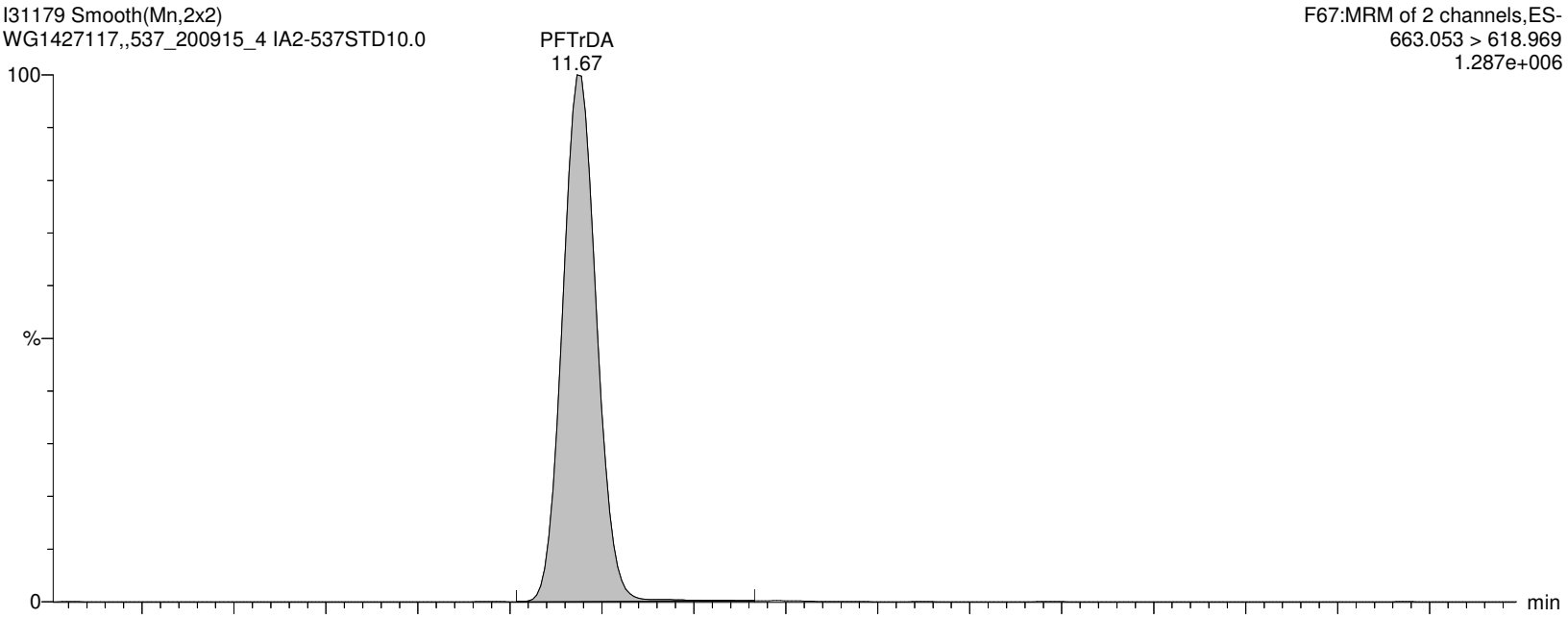

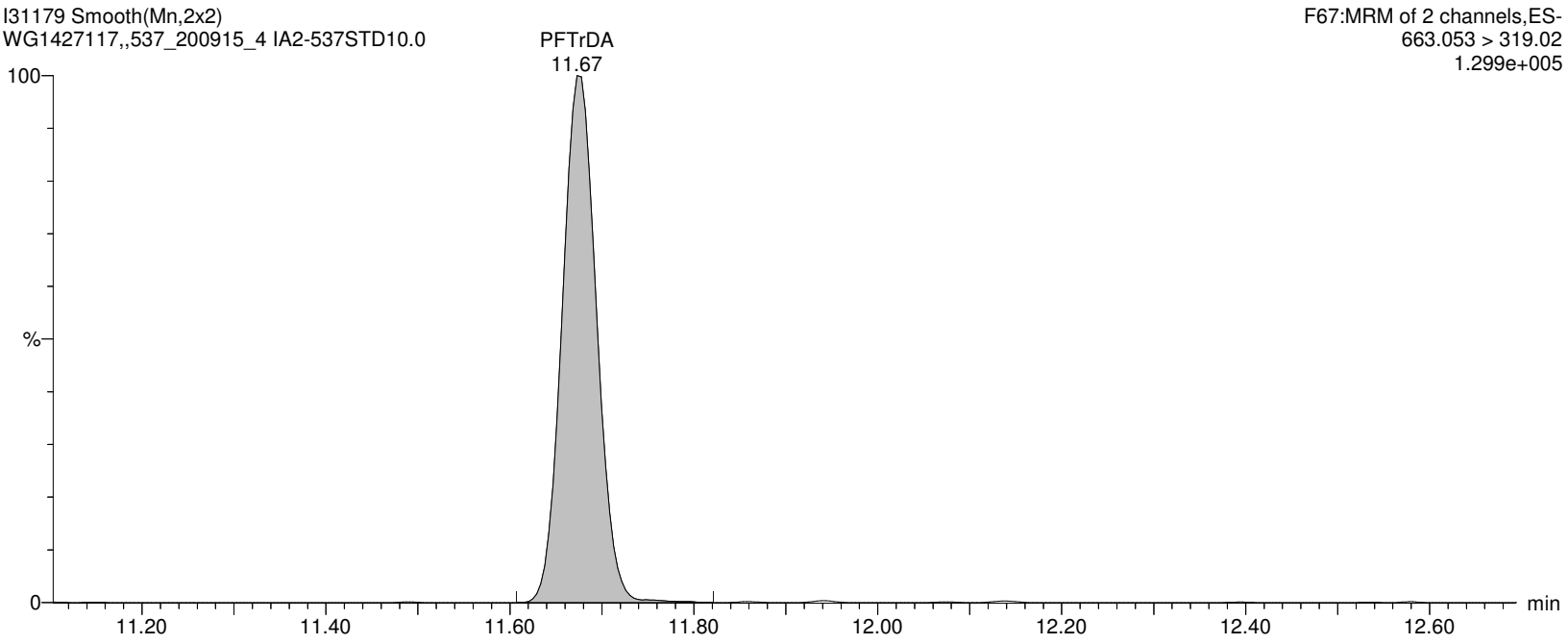

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:15:51 Eastern Daylight Time

Name: I31179
ID: IA2-537STD10.0
Date: 27-Oct-2020
Time: 18:30:17
Description: WG1427117,,537_200915_4
User: LCMS02:JW
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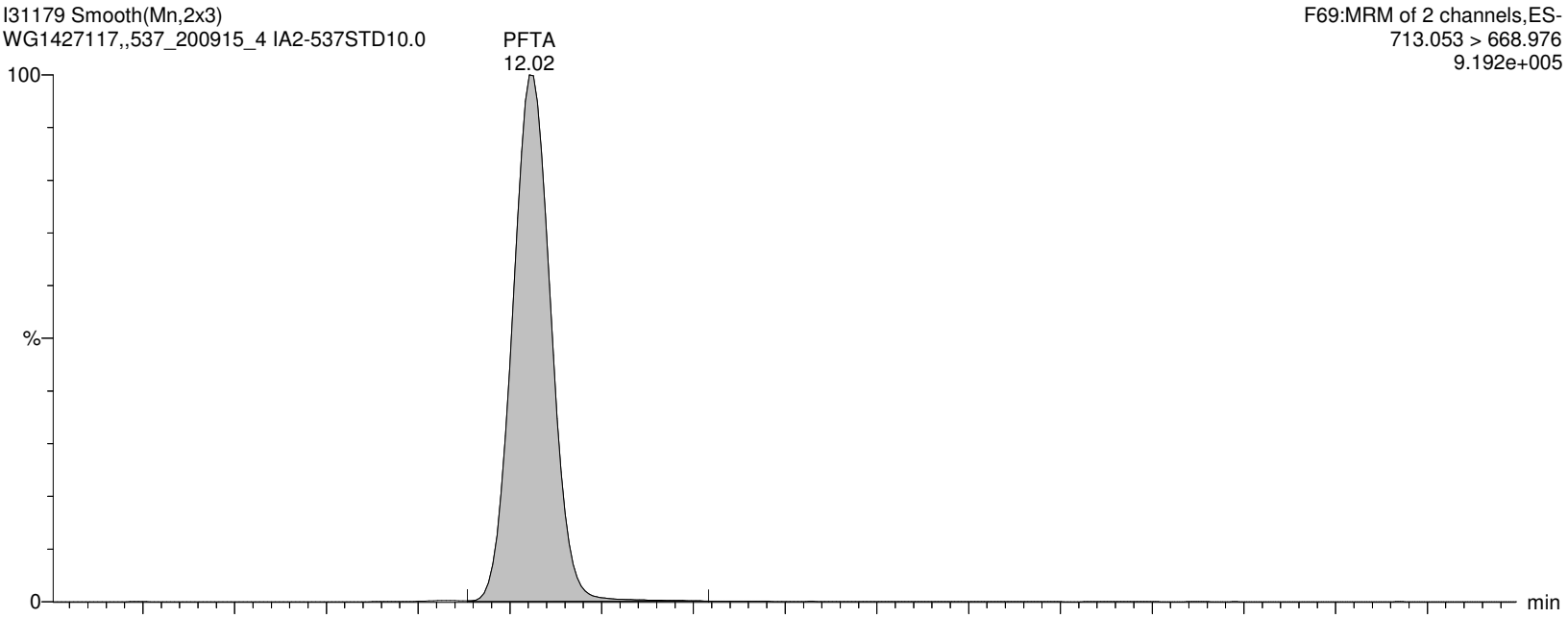

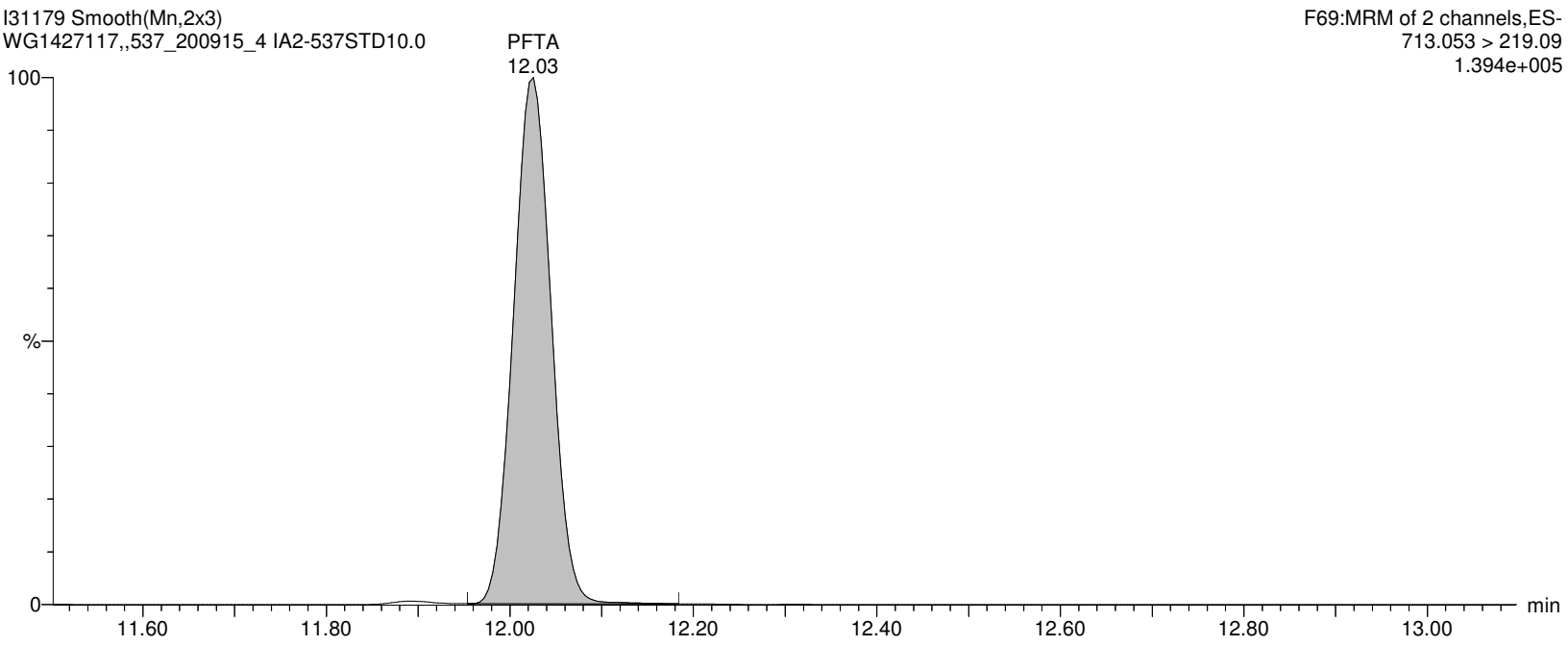

all concentration units in (ng/mL)

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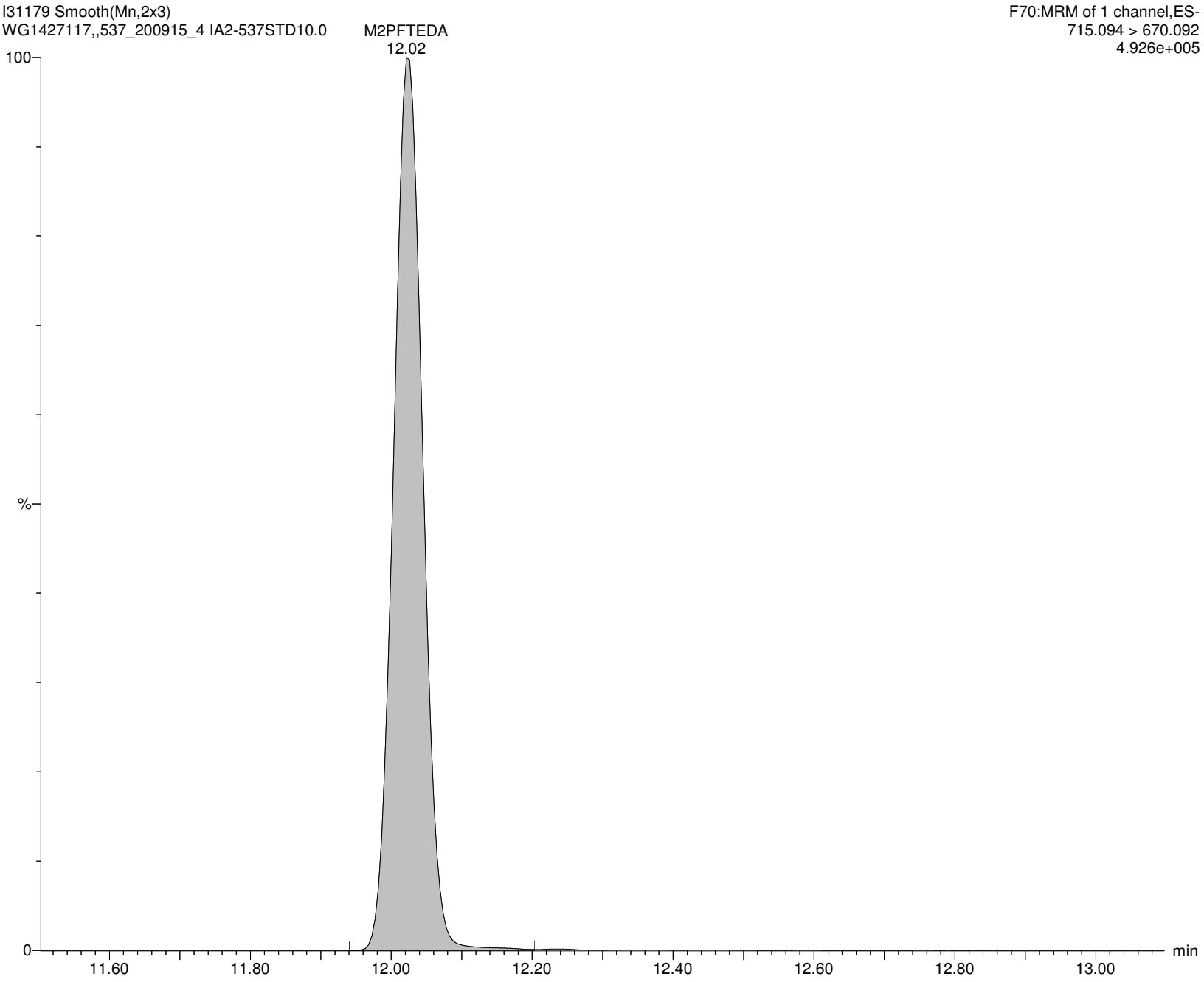

all concentration units in (ng/mL)

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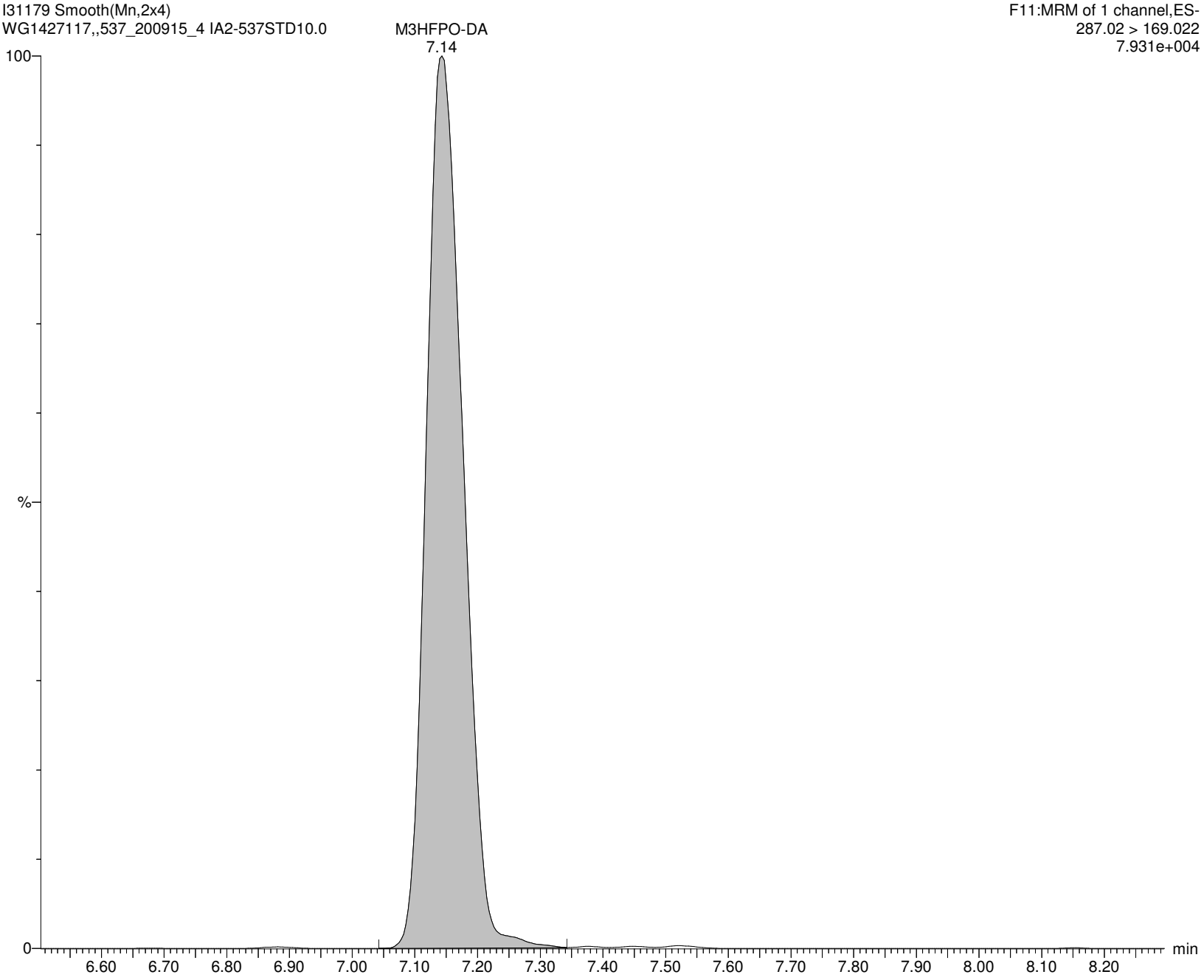

all concentration units in (ng/mL)

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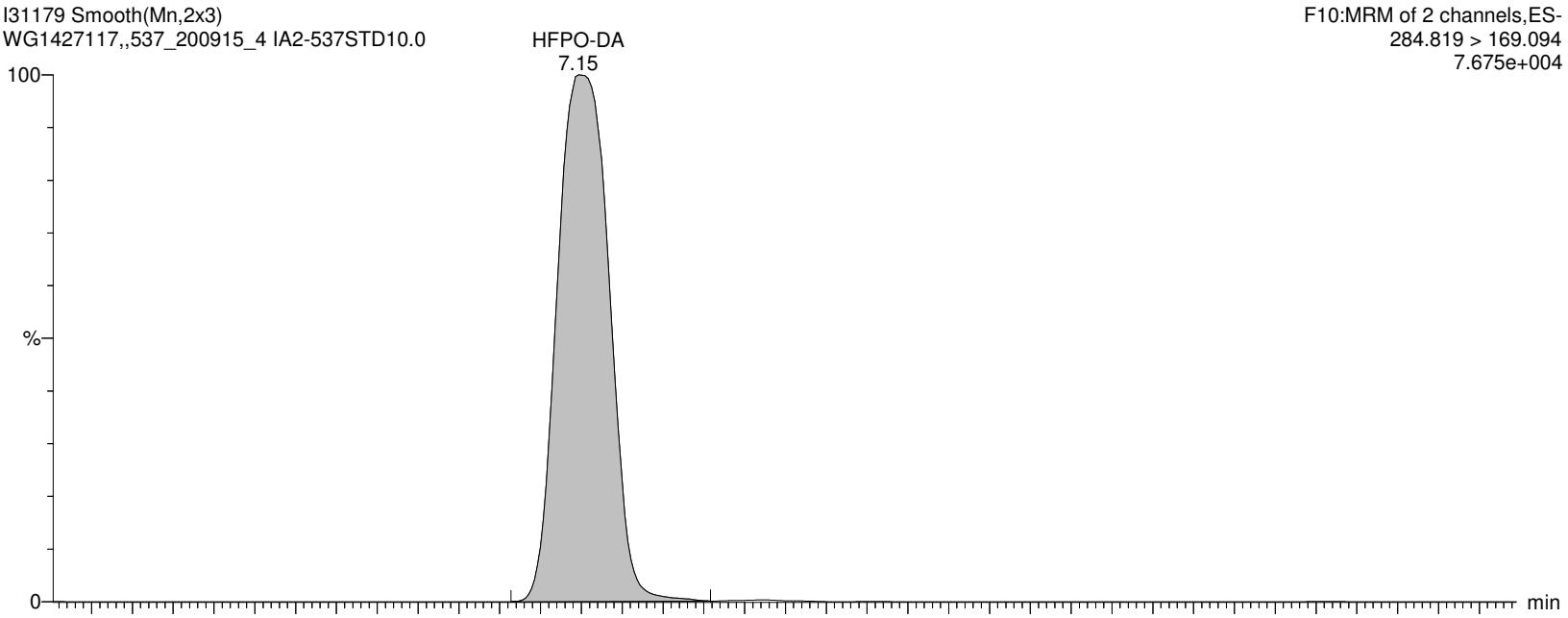

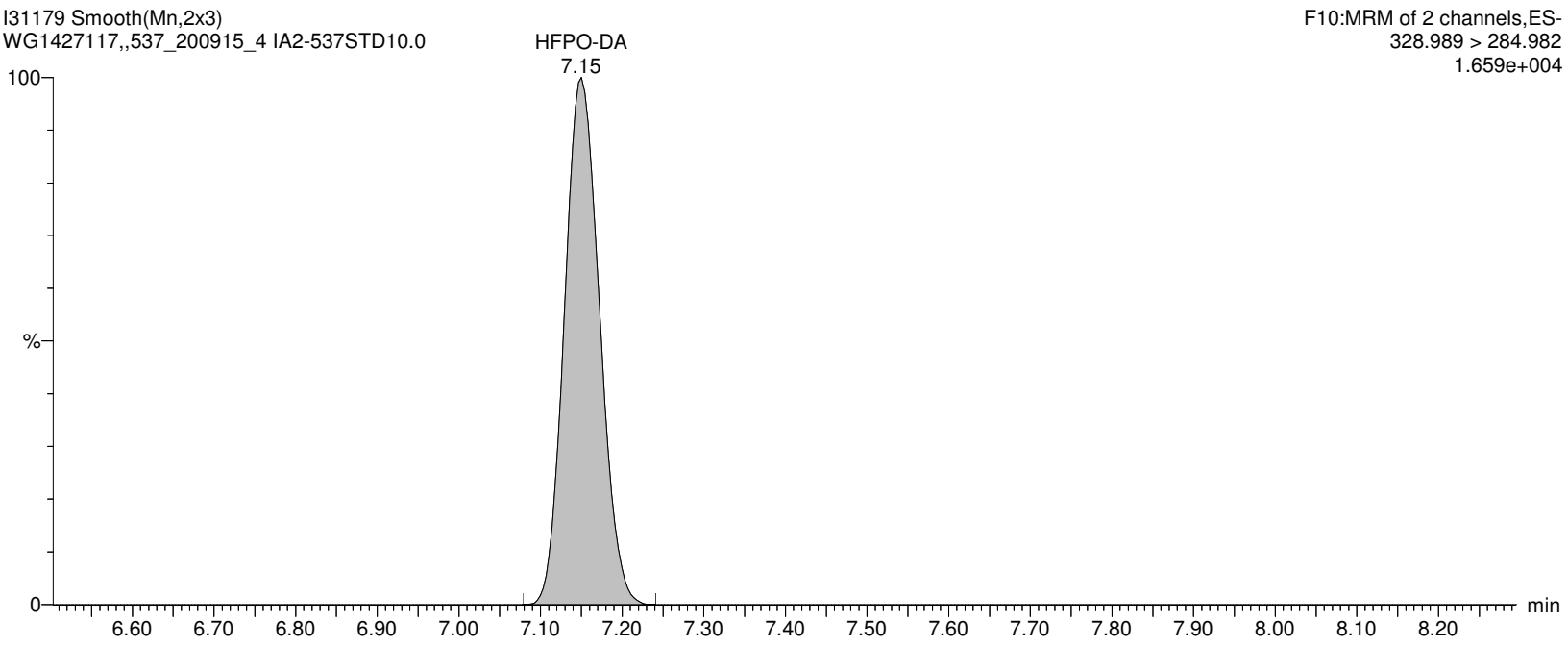

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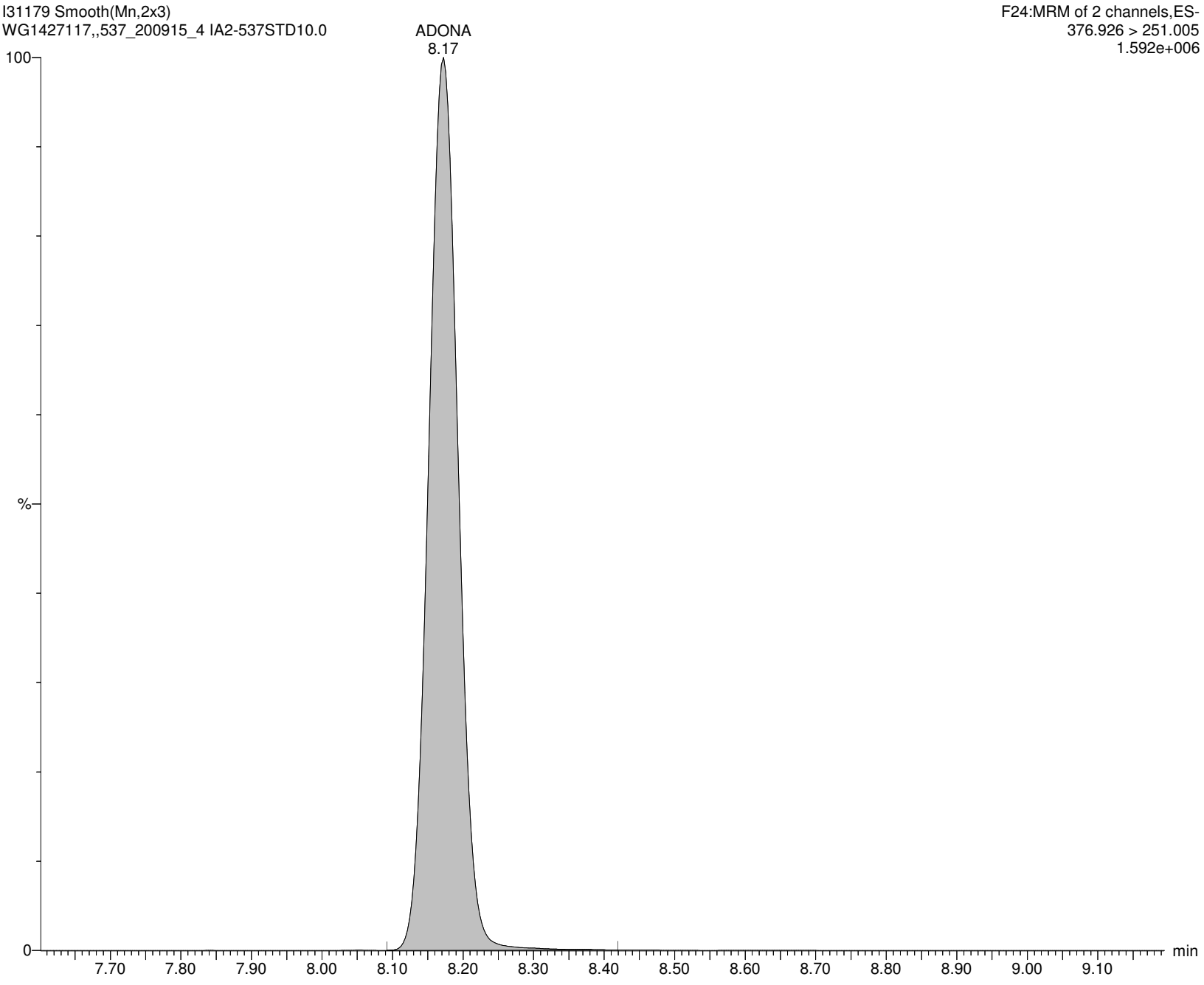

all concentration units in (ng/mL)

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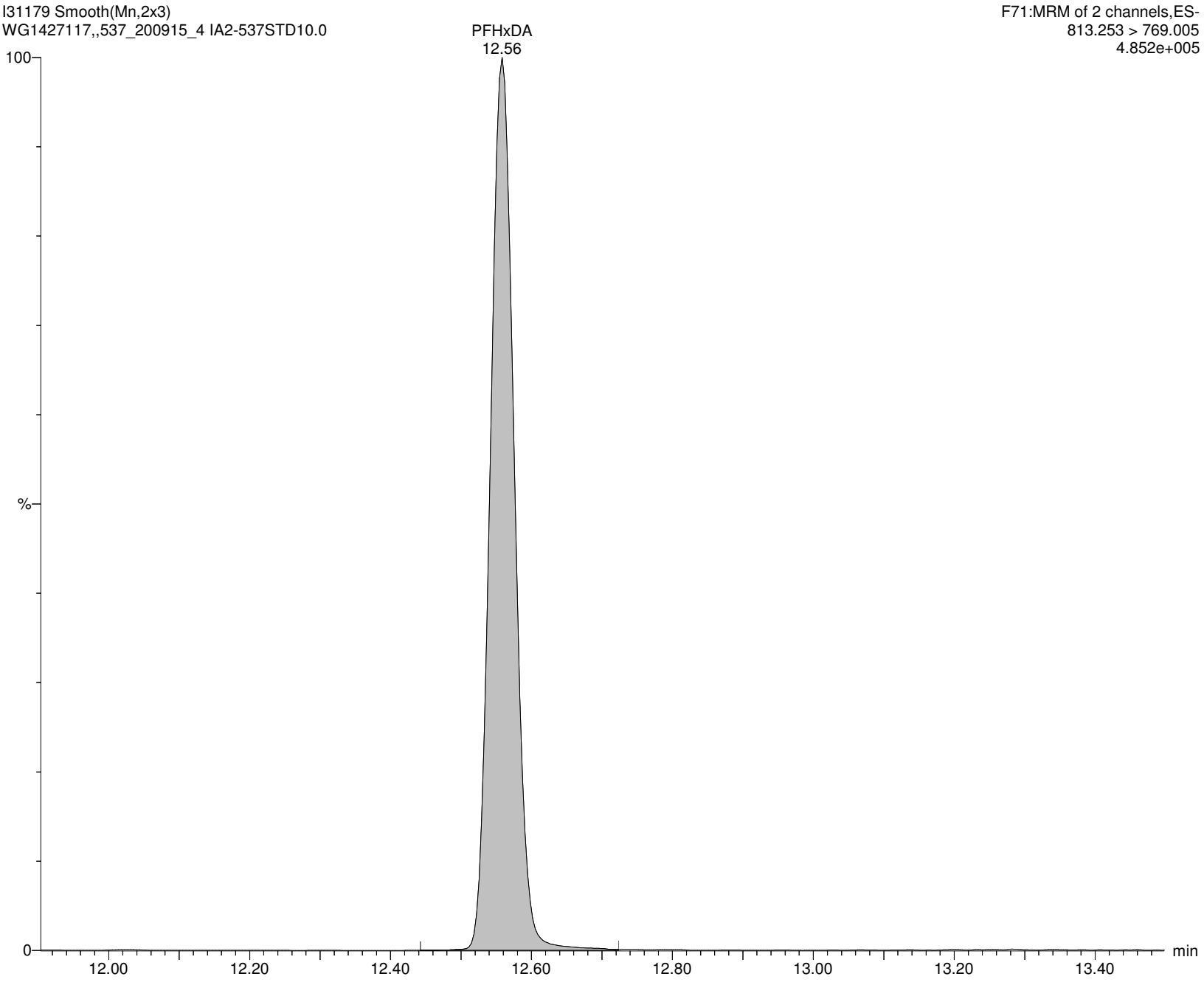

all concentration units in (ng/mL)

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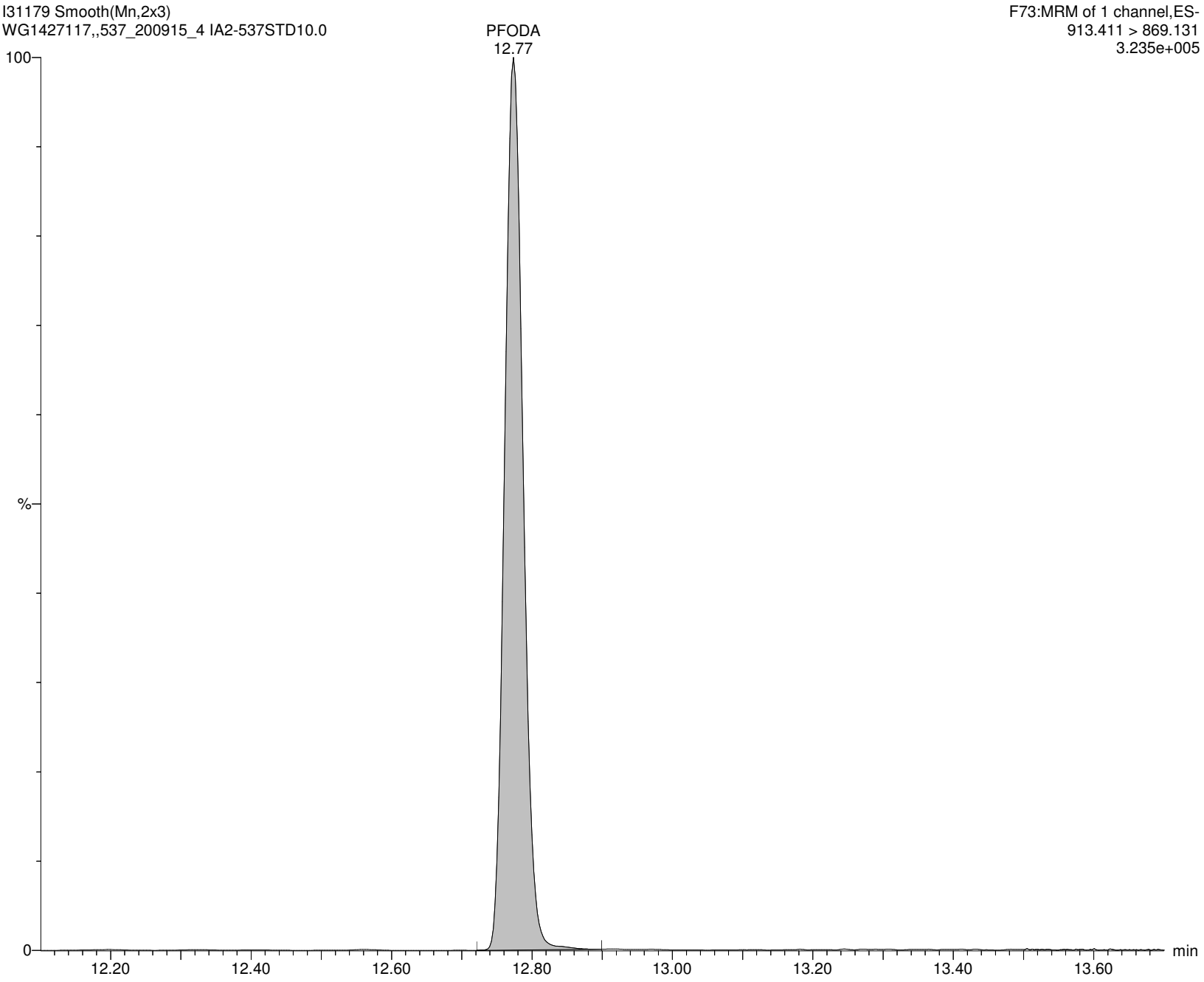

all concentration units in (ng/mL)

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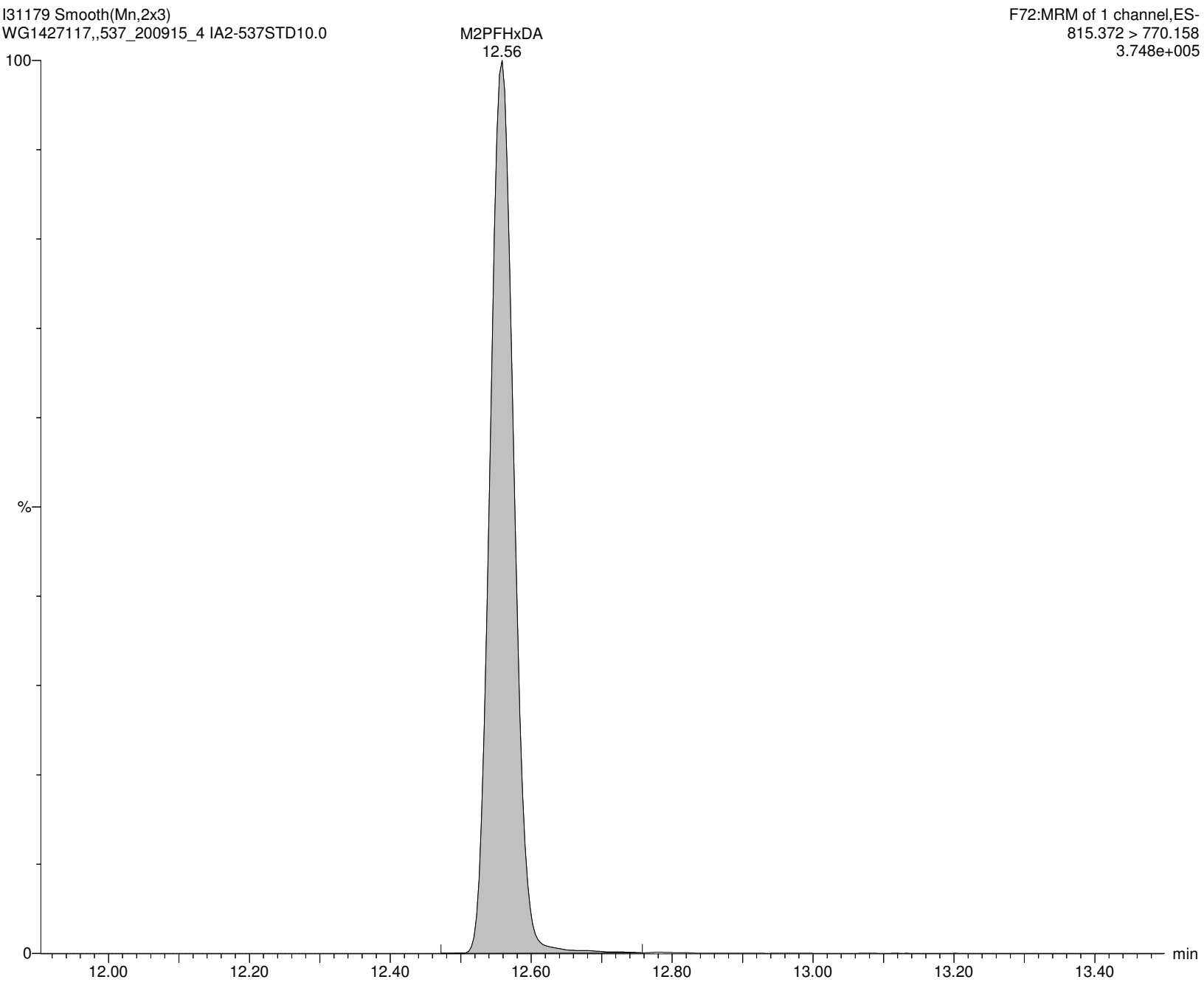

all concentration units in (ng/mL)

Alpha Analytical Inc.
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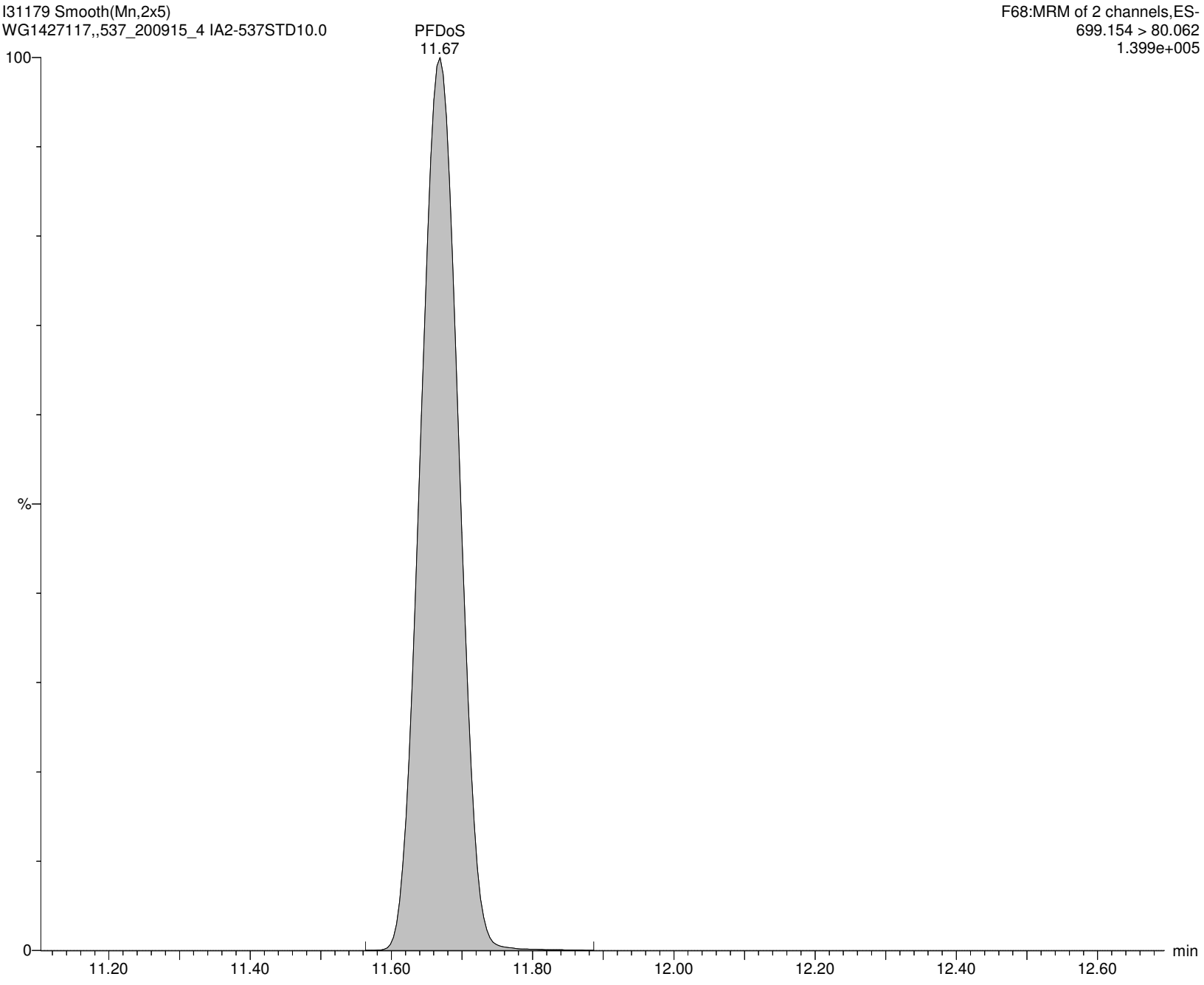

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
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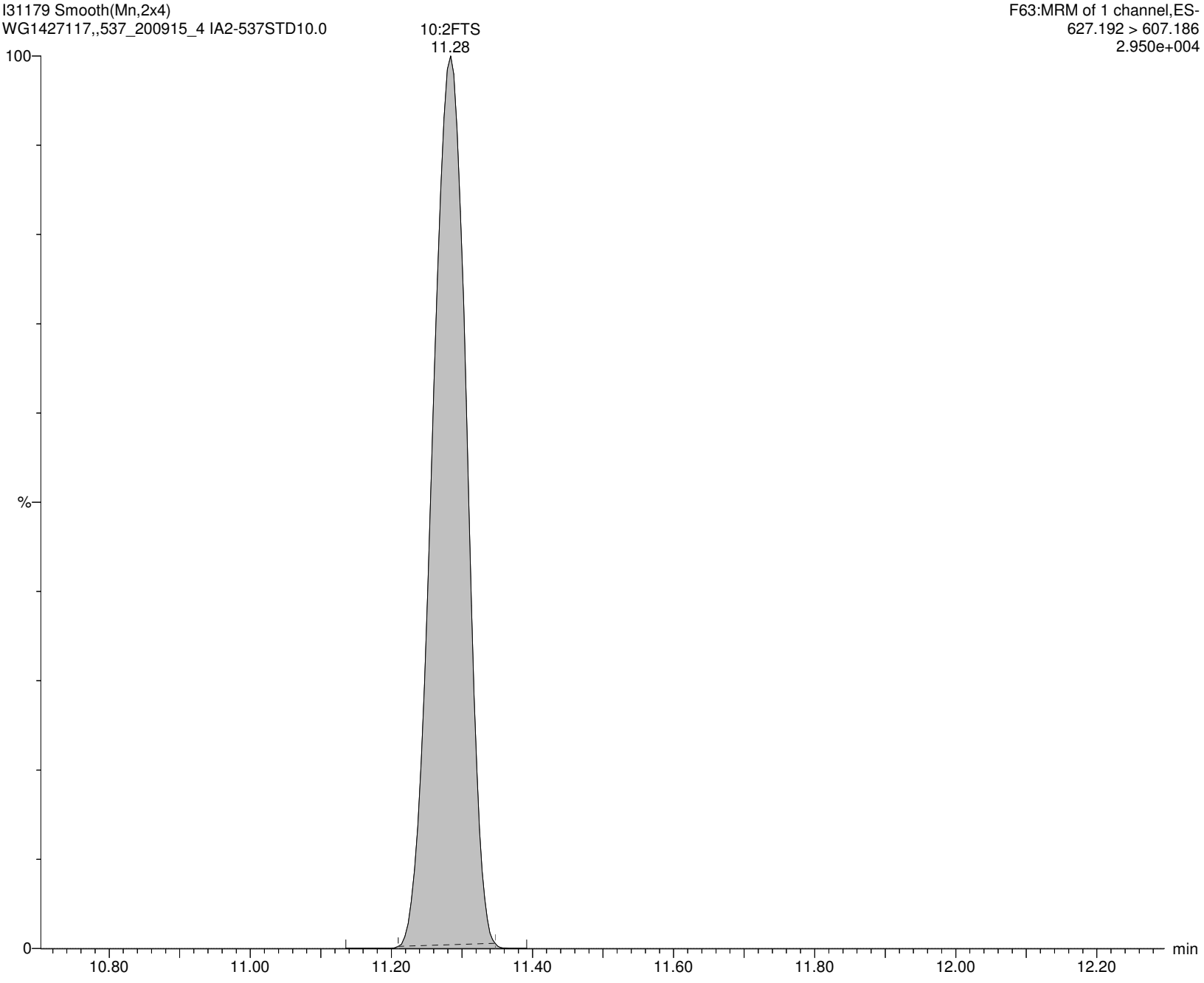

all concentration units in (ng/mL)

Alpha Analytical Inc.
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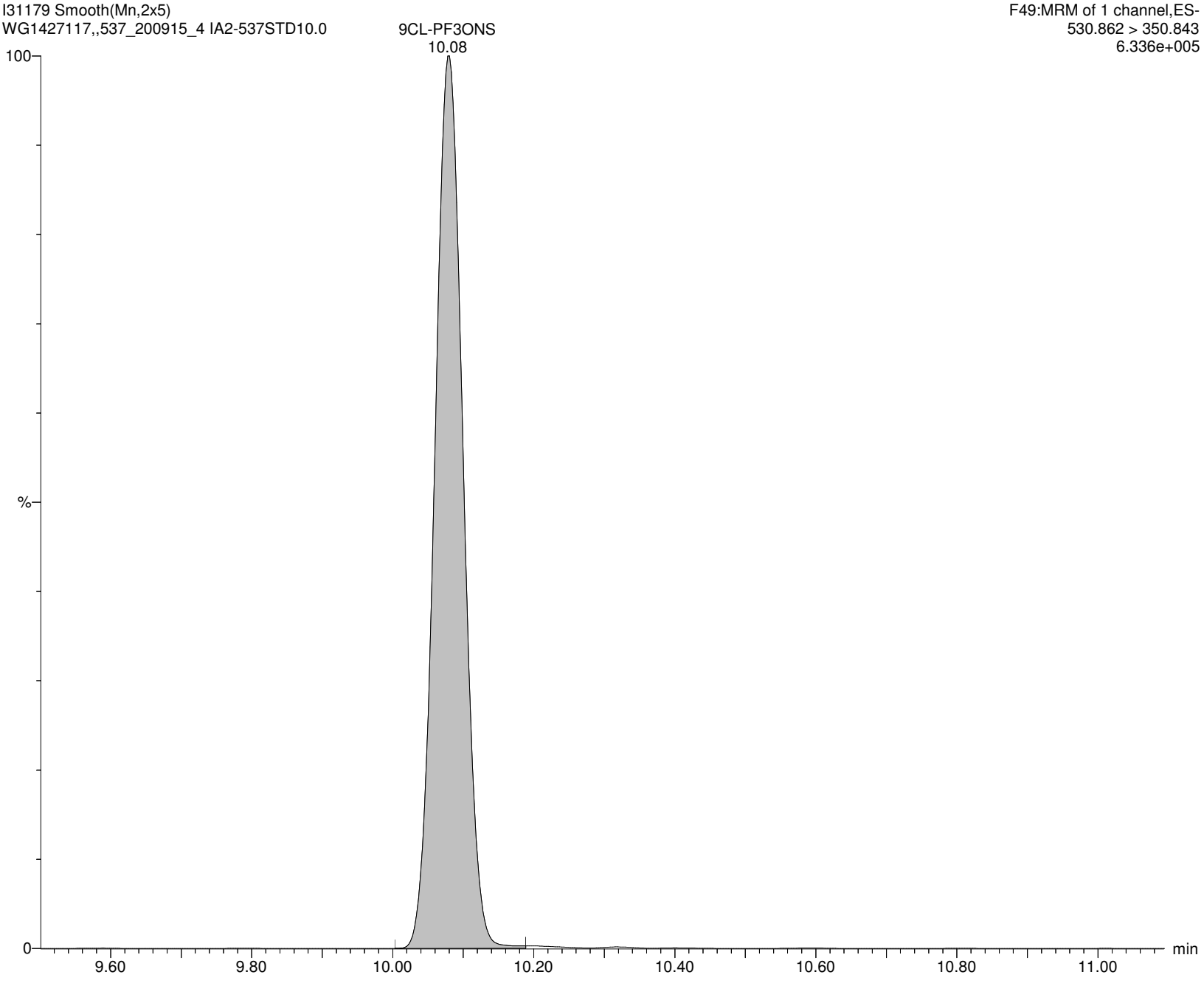

all concentration units in (ng/mL)

Alpha Analytical Inc.
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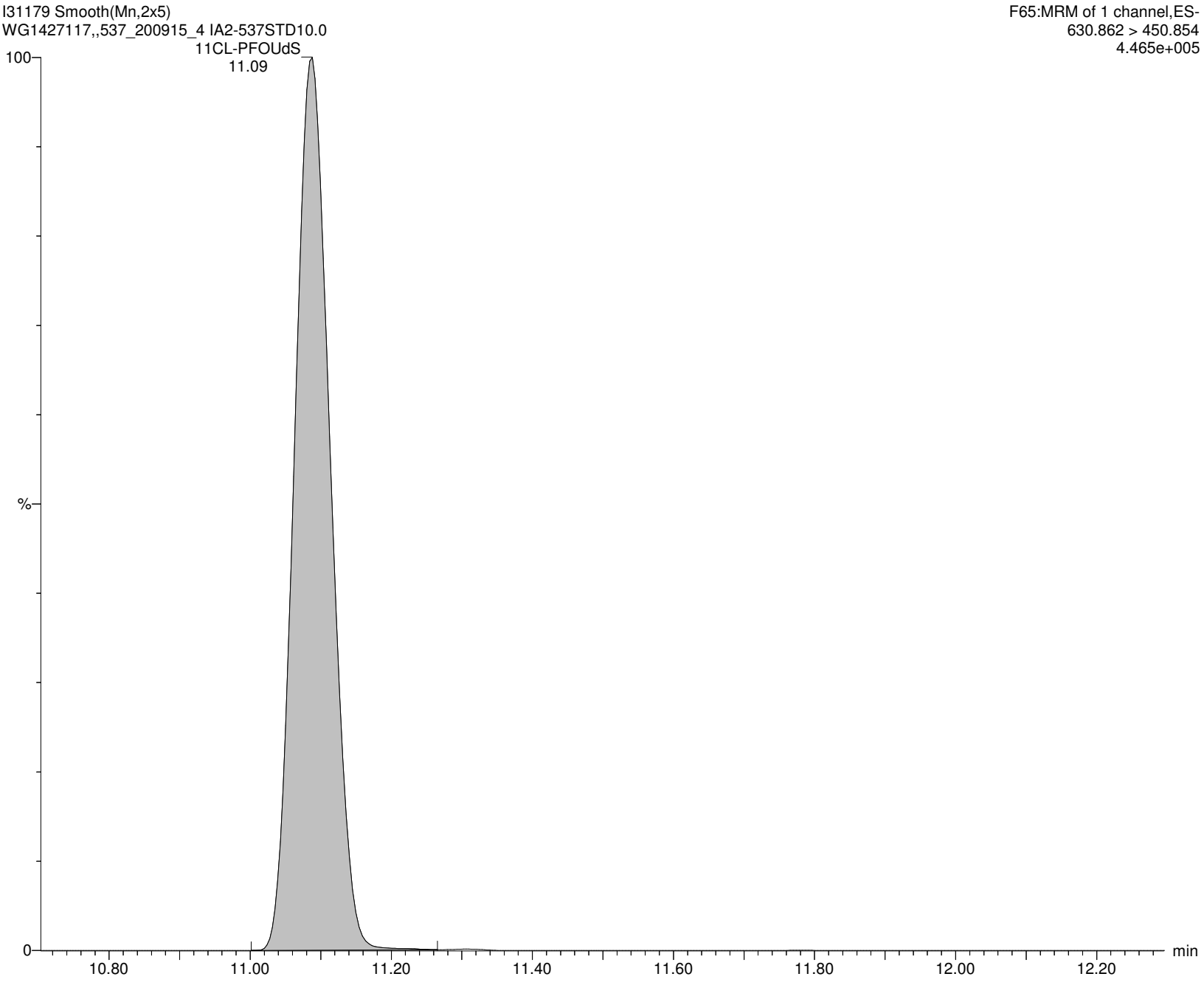

all concentration units in (ng/mL)

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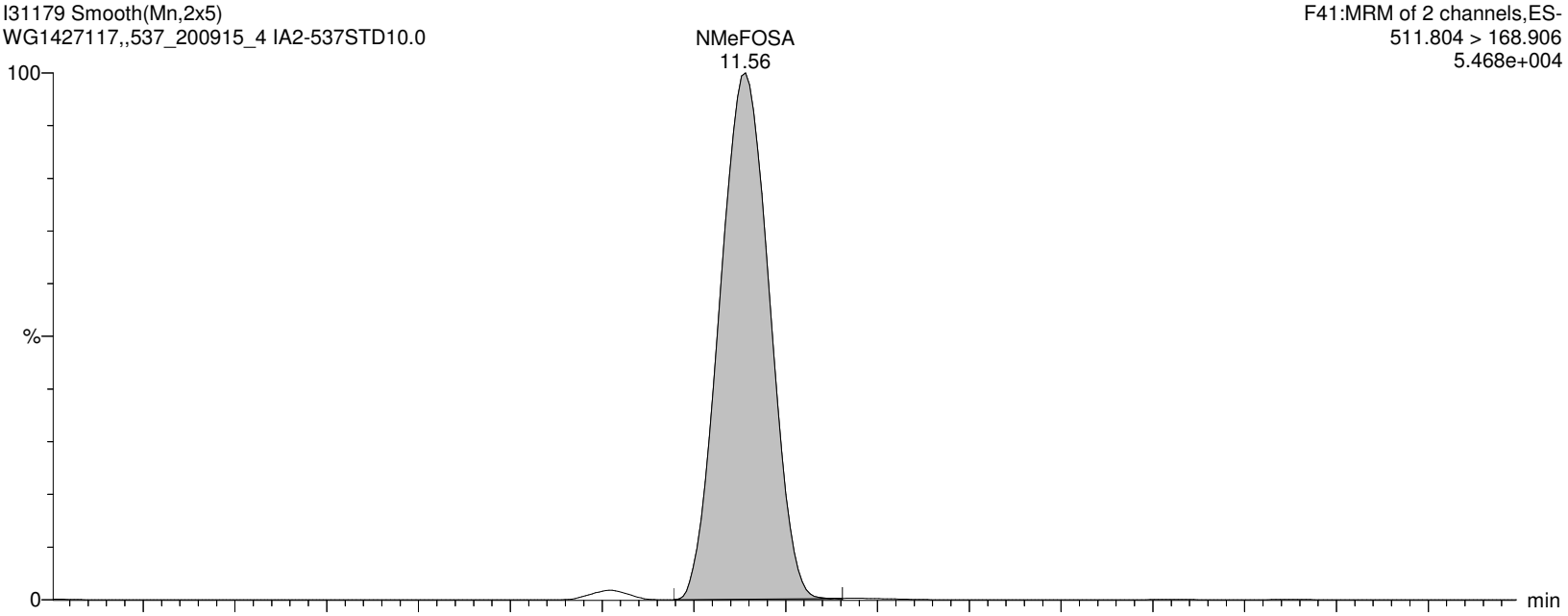

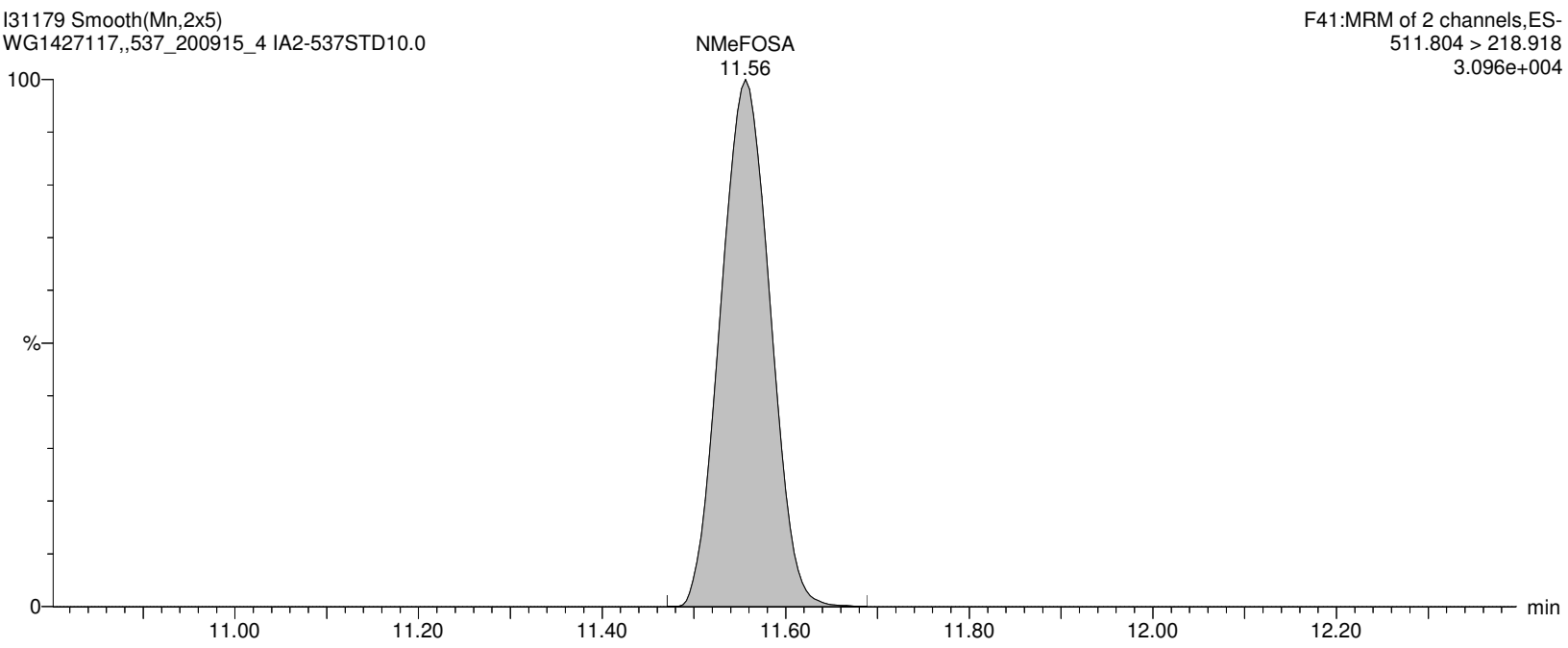

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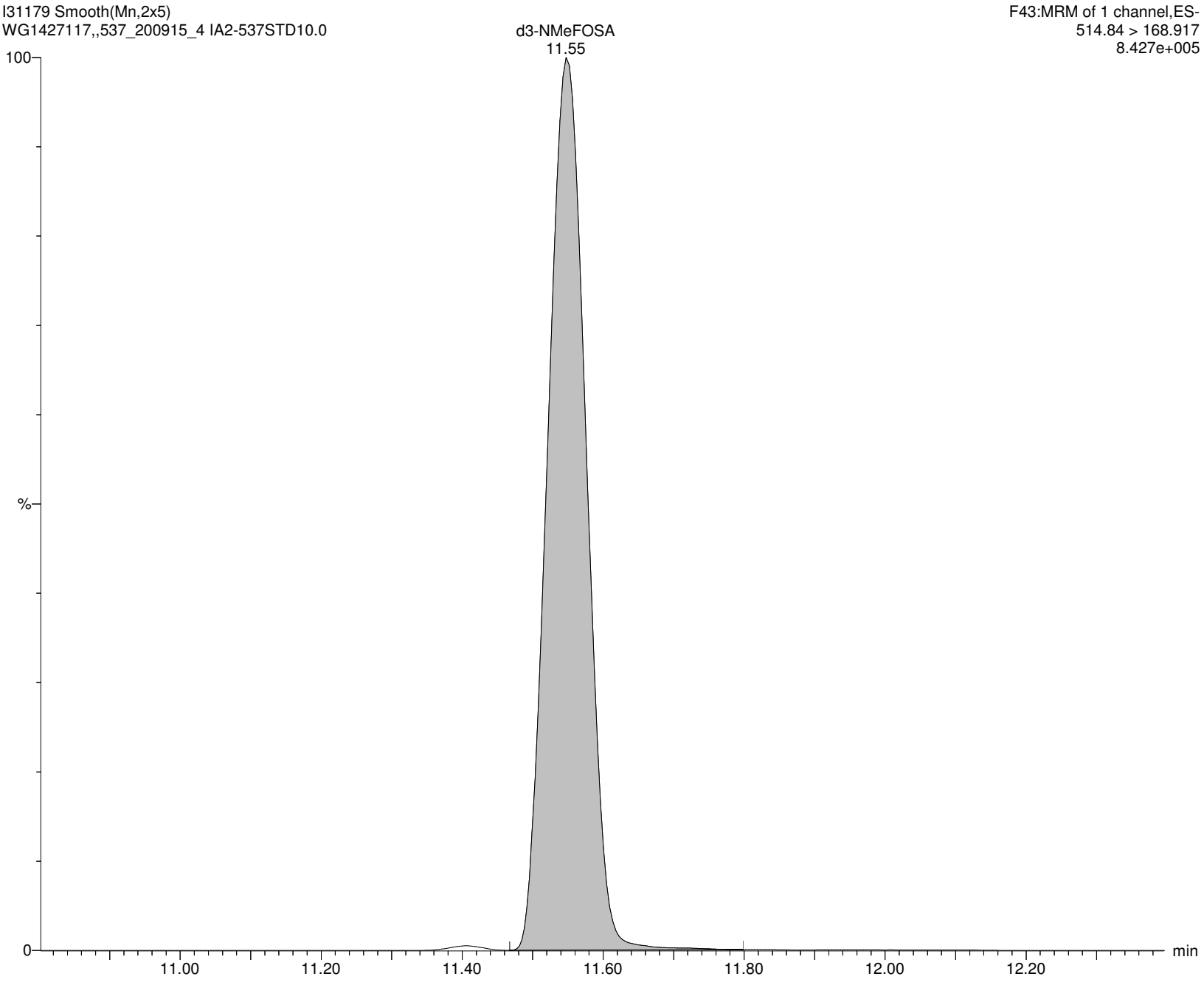

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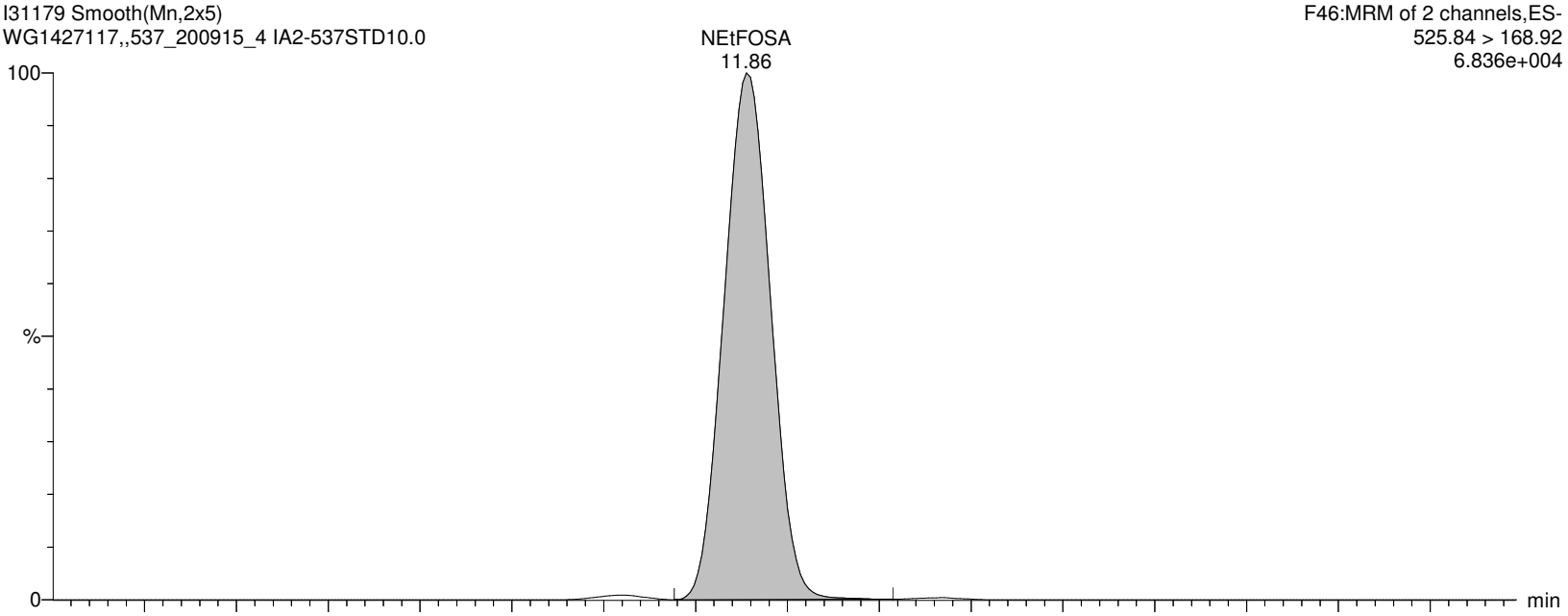

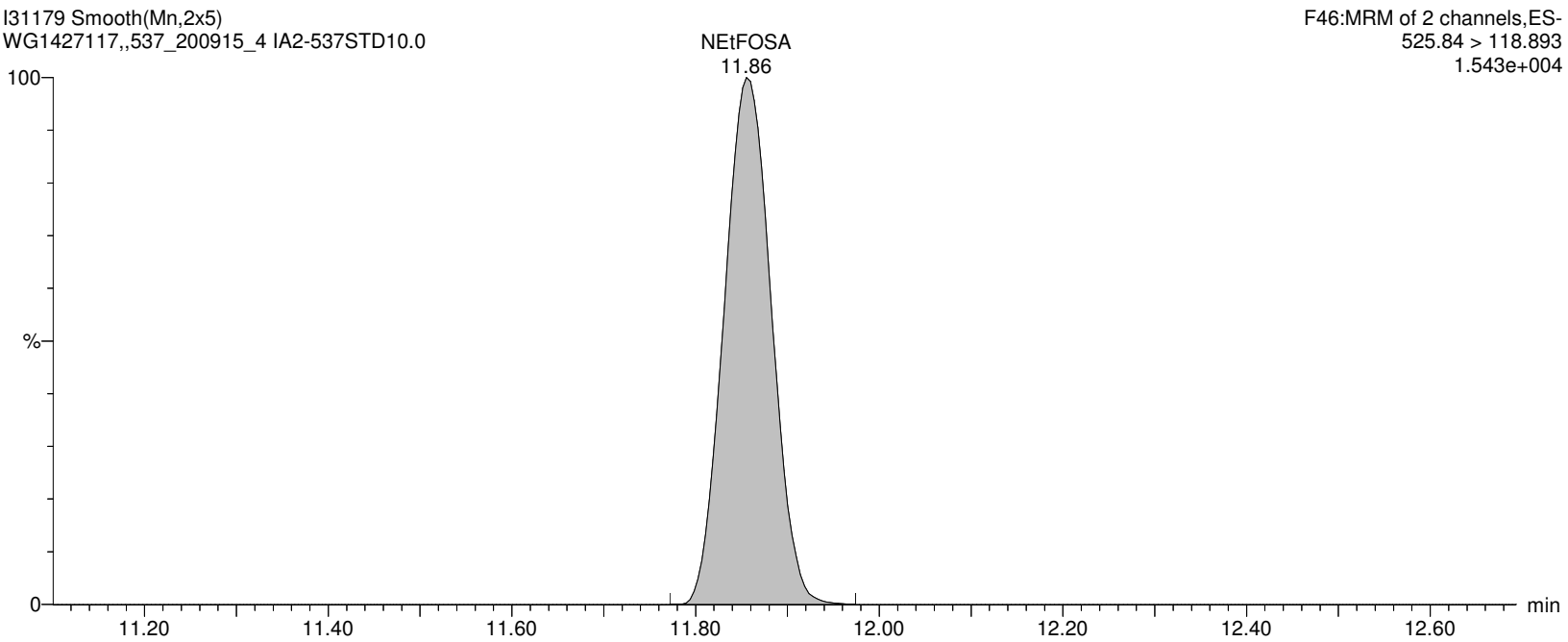

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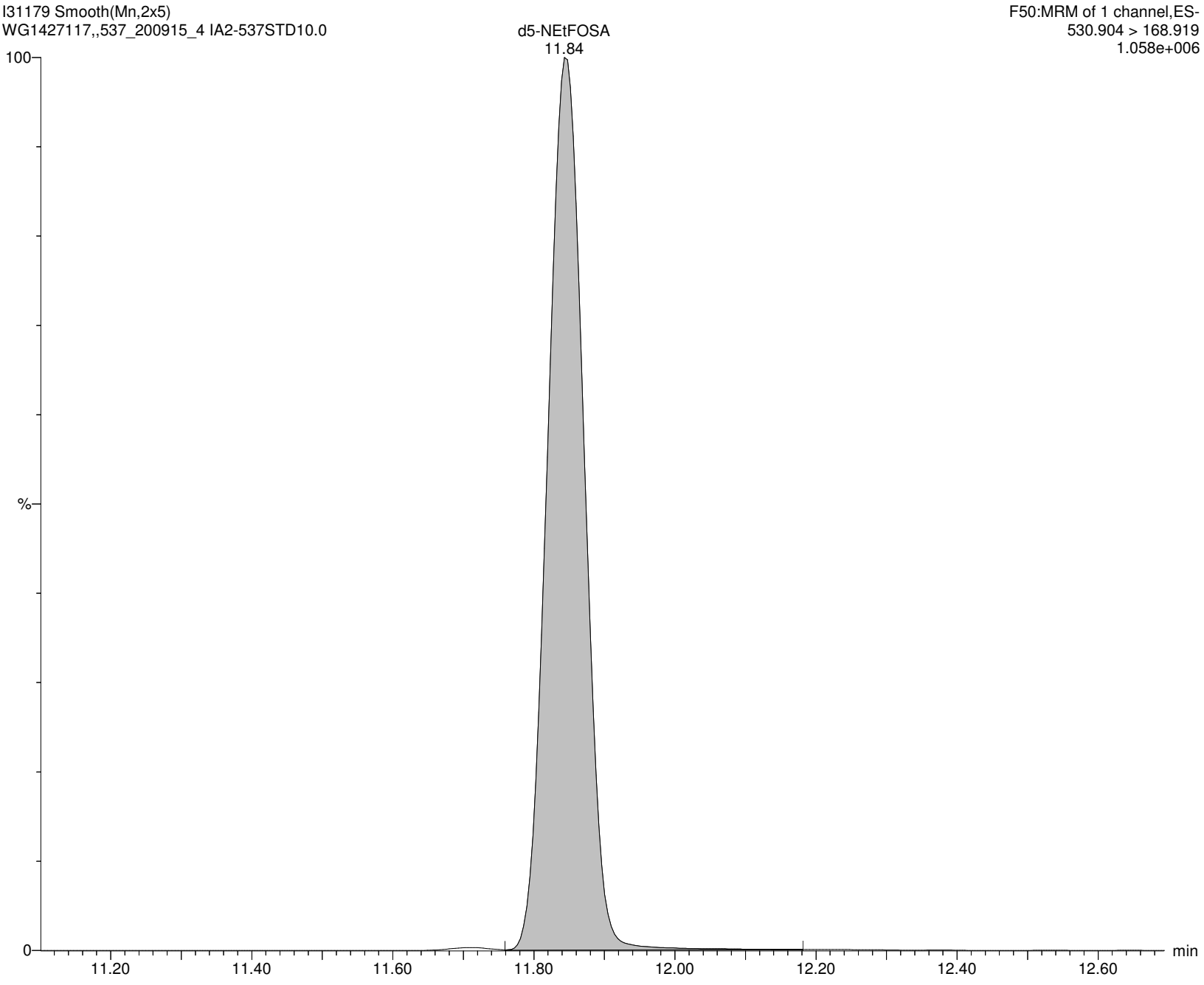
d5-NEtFOSA



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:15:51 Eastern Daylight Time

Name: I31179
ID: IA2-537STD10.0
Date: 27-Oct-2020
Time: 18:30:17
Description: WG1427117,,537_200915_4
User: LCMS02:JW
Vial: 1:A,5
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
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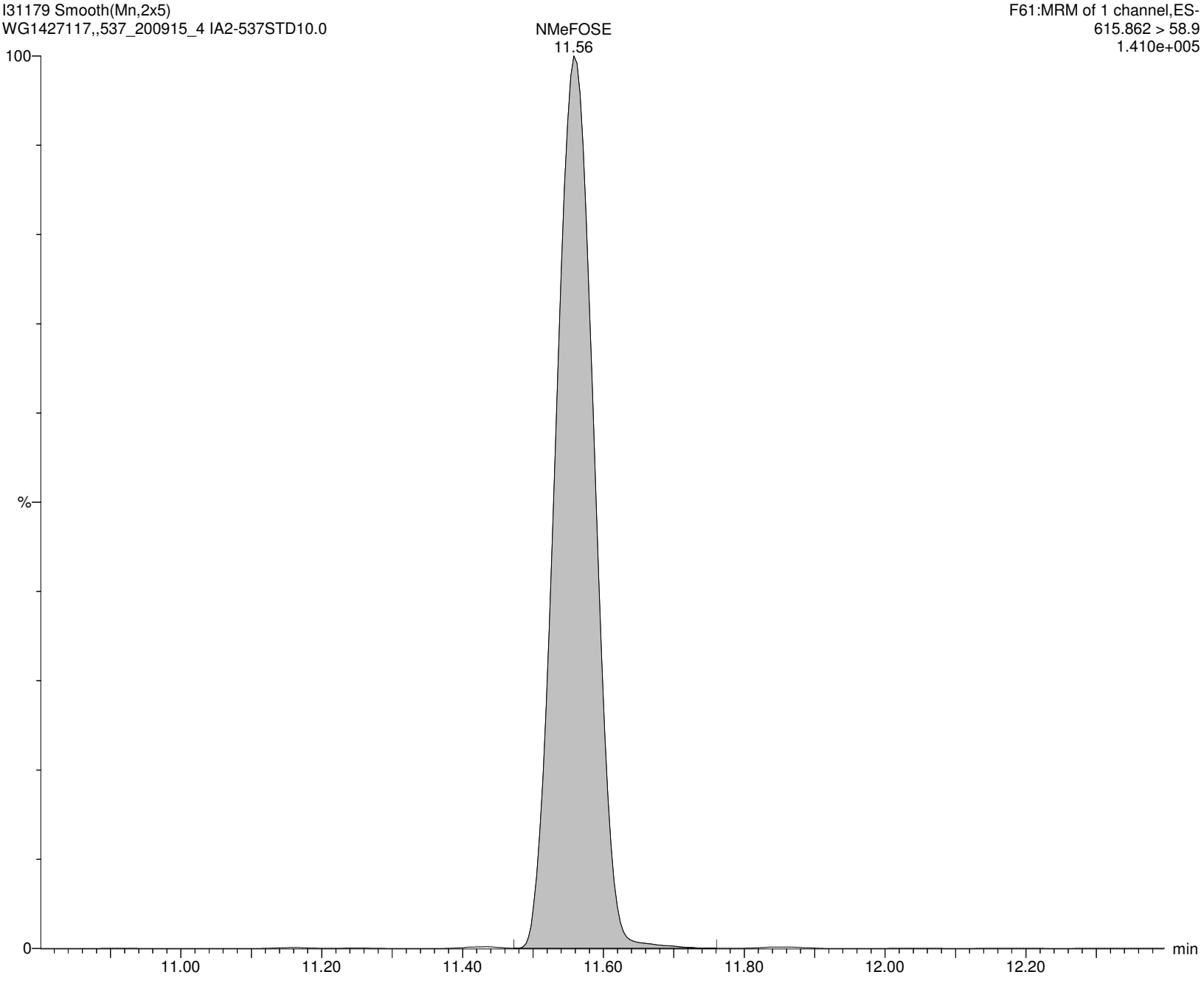

all concentration units in (ng/mL)

Alpha Analytical Inc.
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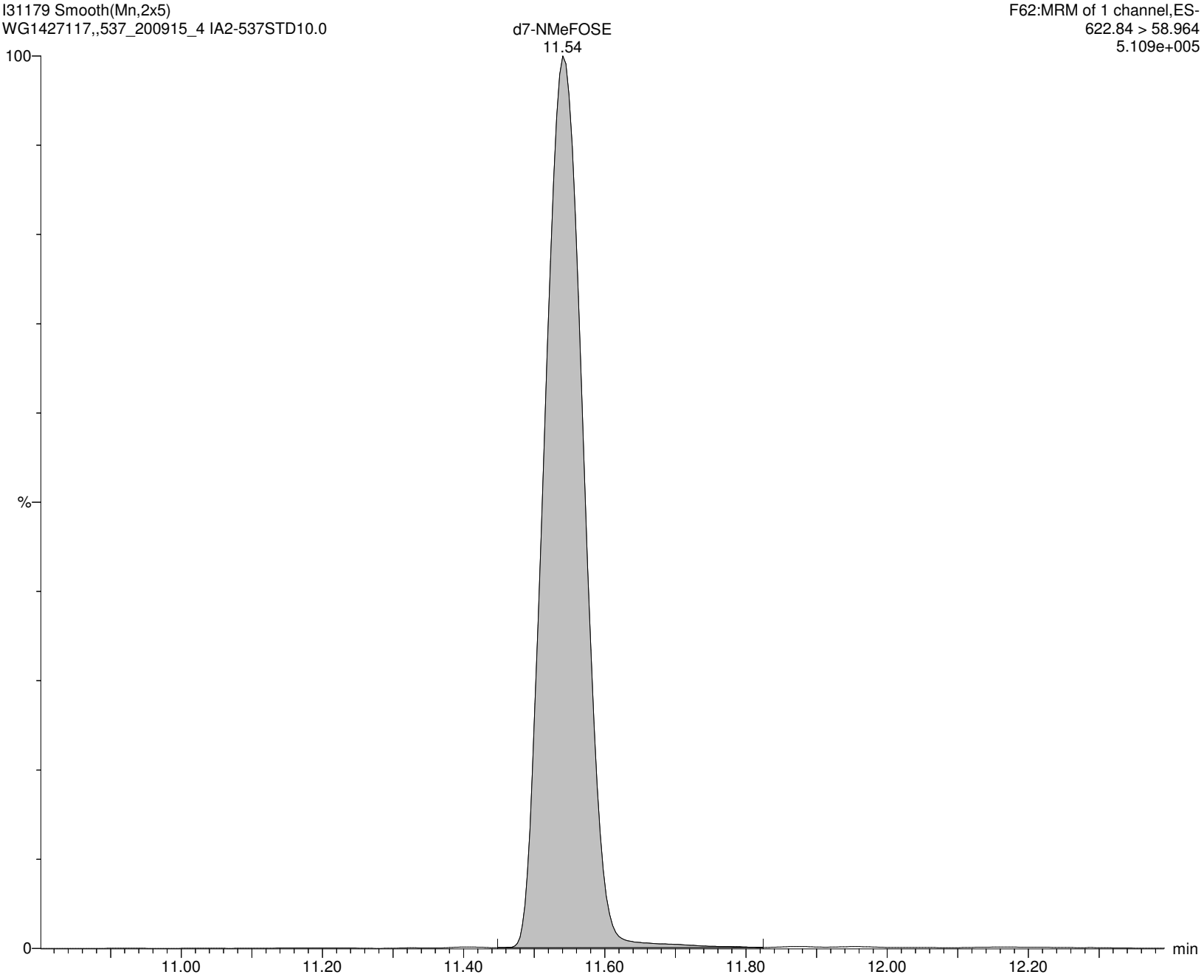
d7-NMeFOSE



all concentration units in (ng/mL)

Alpha Analytical Inc.
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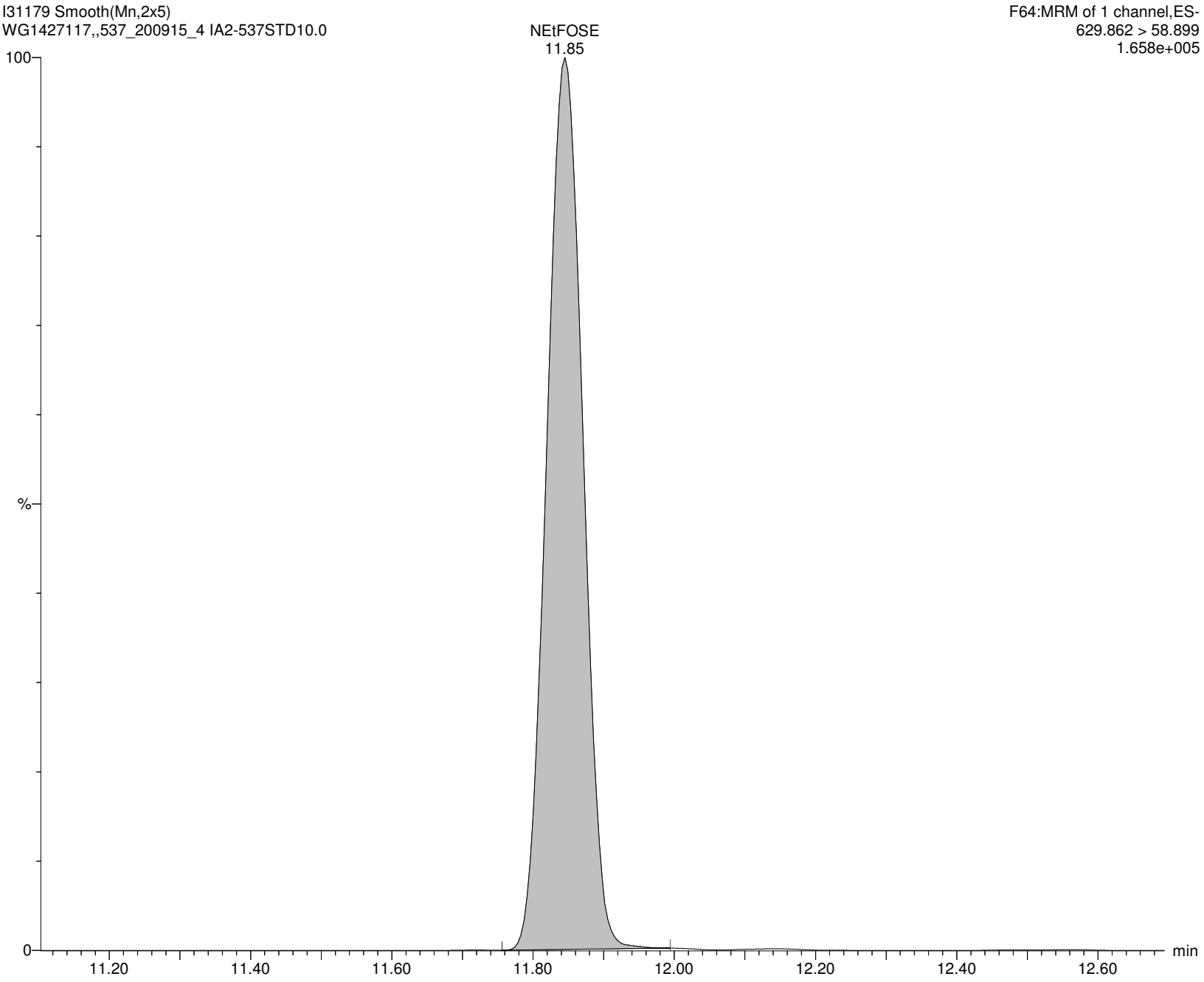

all concentration units in (ng/mL)

Alpha Analytical Inc.
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Vial: 1:A,5
Instrument: XEVO-TQSmicro#QEB0050
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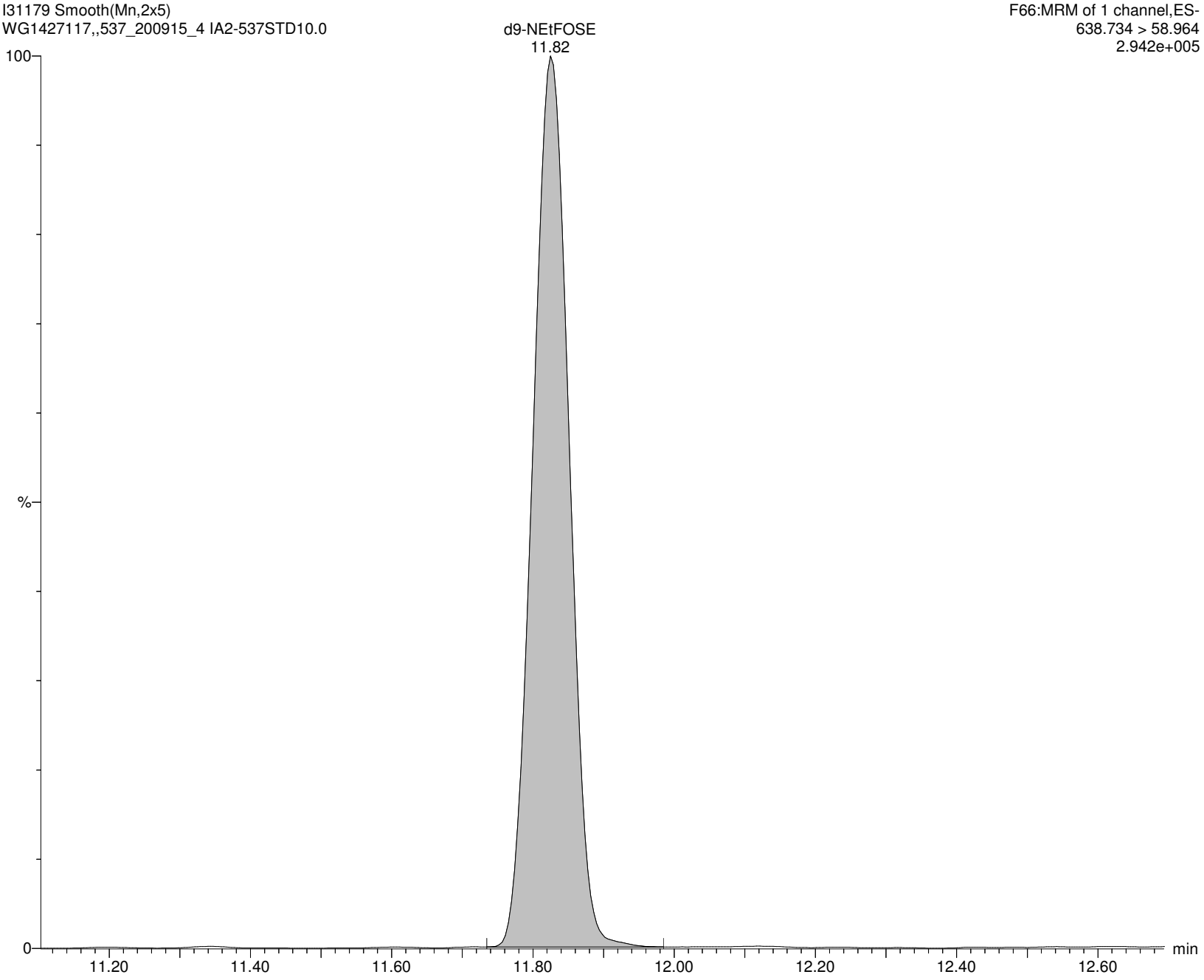

all concentration units in (ng/mL)

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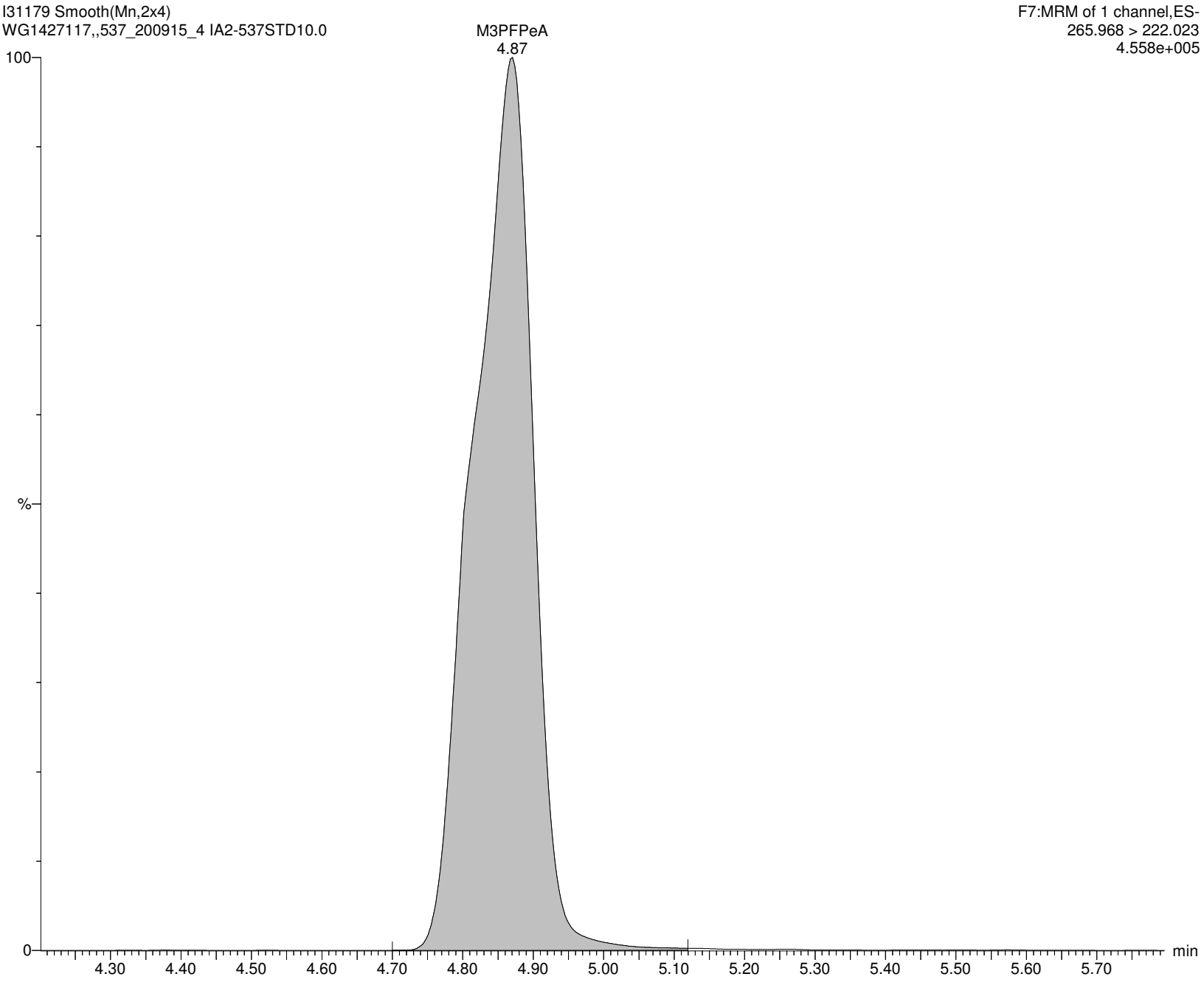

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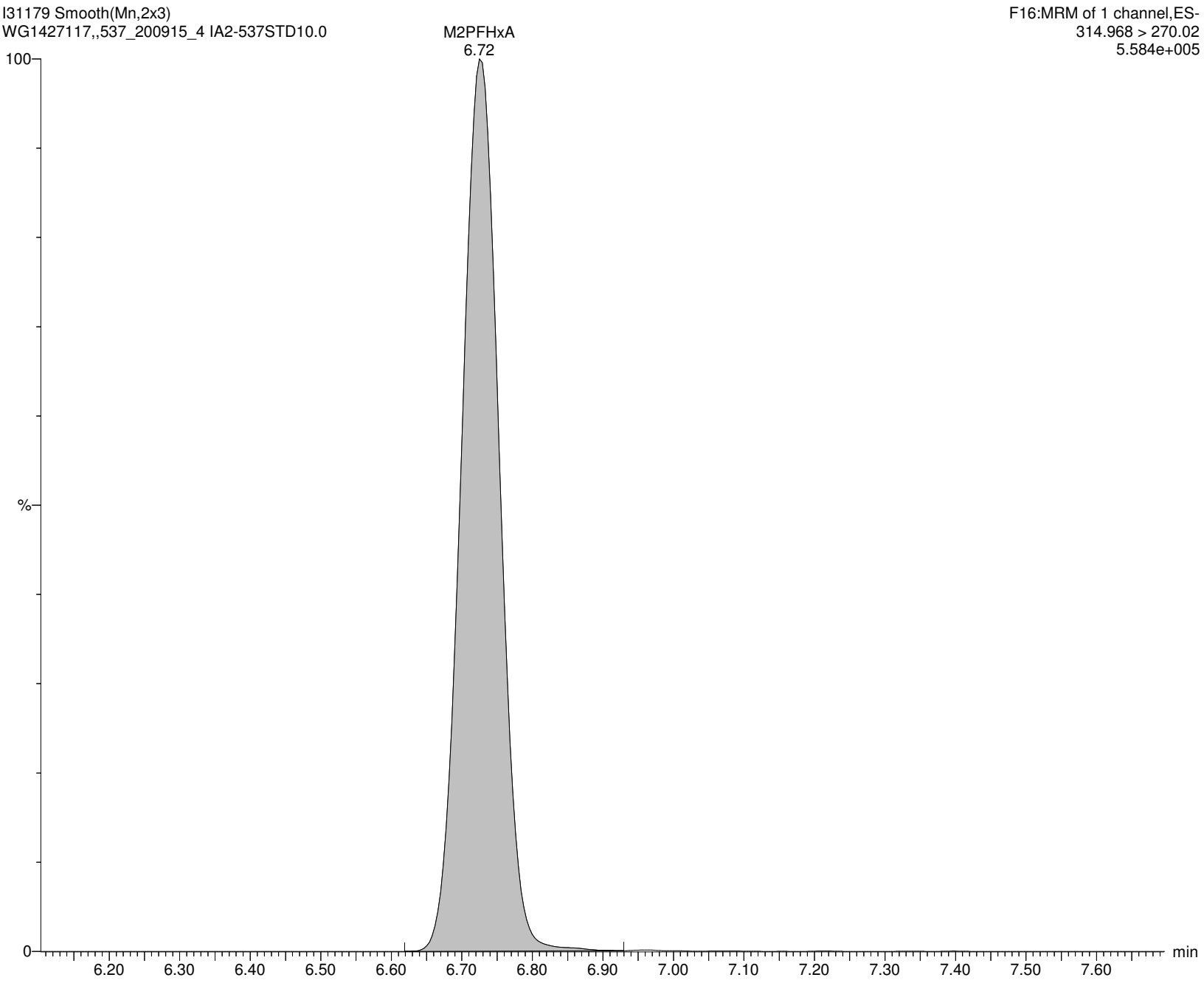

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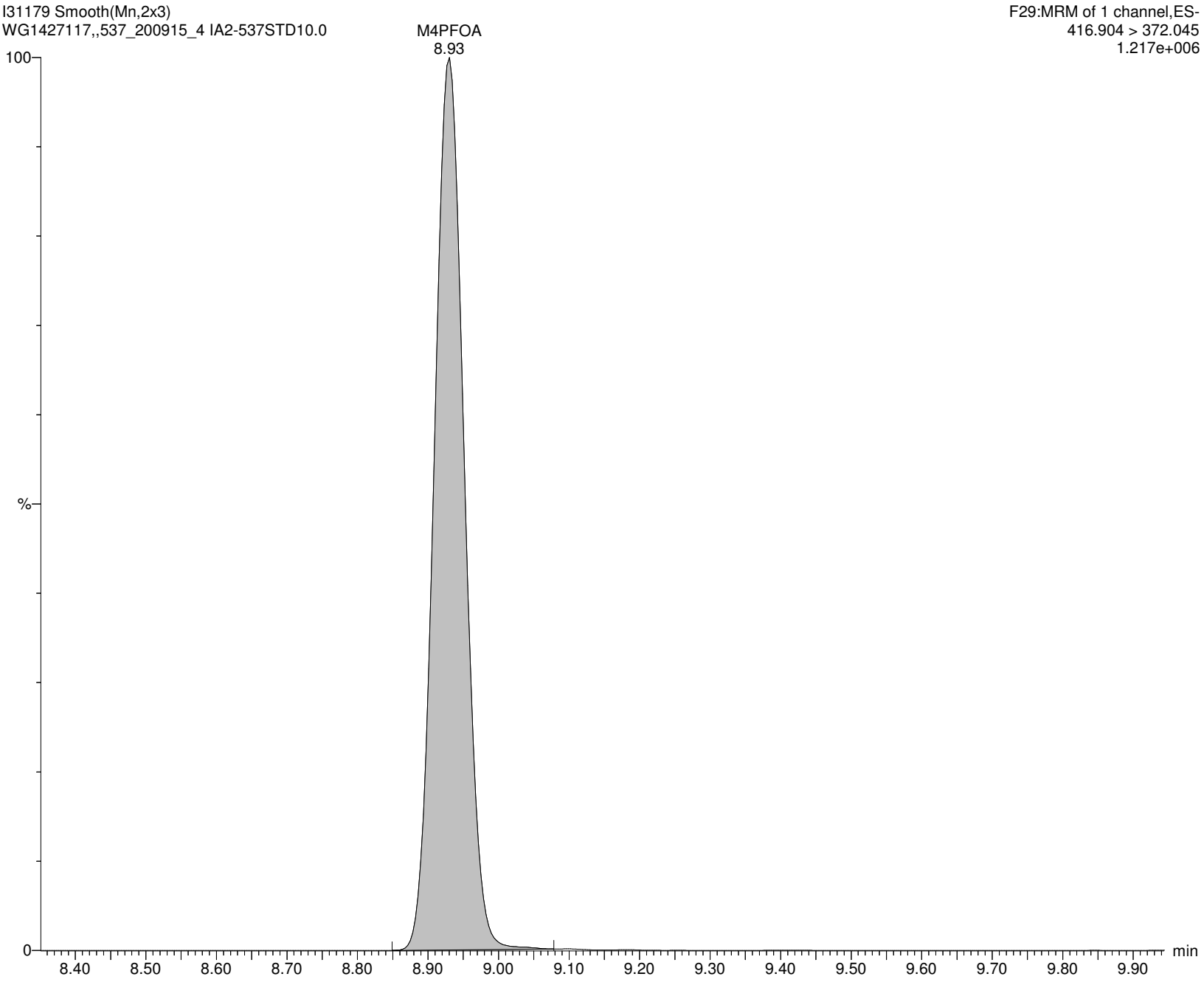

all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:15:54 Eastern Daylight Time

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ID: IA2-537STD50.0
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Date: 27-Oct-2020
Time: 18:46:51
Description: WG1427117,,537_200915_5
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:JW
Inlet Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\200520_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4	2.00	212.926 > 169.111	133797		49.572		na	99.1
2	M3PFBA	INT STD	2.00	215.926 > 172.122	30021		10.221		na	102.2
3	MPFBA	INT STD	2.00	216.926 > 172.137	35276		9.719		na	97.2
4	PFPeA	2706-90-3	4.85	262.926 > 219.002	159103		49.461		na	98.9
5	M5PFPEA	INT STD	4.85	267.989 > 223.081	44932		9.614		na	96.1
6	PFBS	375-73-5	5.50	298.926 > 79.923	42640		43.793	1.92	NO	99.0
7	M3PFBS	INT STD	5.50	301.989 > 80.254	9216		9.980		na	99.8
8	4:2FTS	757124-72-4	6.65	326.926 > 306.957	9180		48.736	2.22	NO	104.2
9	M2-4:2FTS	INT STD	6.65	329.117 > 309.079	3355		9.916		na	99.2
10	PFHxA	307-24-4	6.72	312.989 > 269.028	179829		49.277	14.12	NO	98.6
11	M5PFHxA	INT STD	6.73	317.989 > 273.045	40019		9.890		na	98.9
12	PFPeS	2706-91-4	7.05	348.926 > 80.251	35292		44.706	2.10	NO	95.1
13	PFHpA	375-85-9	8.00	362.926 > 319.014	238649		49.792	5.40	NO	99.6
14	M4PFHpA	INT STD	7.99	366.926 > 321.979	49626		9.774		na	97.7
15	br-PFHxS	355-46-4	7.93	398.926 > 80.295	6556	M5,M7	8.863	1.87	NO	104.3
16	L-PFHxS	355-46-4	8.16	398.926 > 80.295	31317		36.651	1.45	NO	99.1
17	PFHxS	355-46-4		398.926 > 80.295	37873		45.513		na	
18	M3PFHxS	INT STD	8.16	401.926 > 80.317	8223		10.062		na	100.6
19	br-PFOA	335-67-1		412.989 > 368.9			ND		YES	
20	L-PFOA	335-67-1	8.93	412.989 > 368.9	278650		48.953	7.46	YES	97.9
21	M2PFOA	INT STD	8.93	415.032 > 369.968	62299		9.975		na	99.8
22	PFOA	335-67-1		412.989 > 368.9	278650		48.953		na	
23	M8PFOA	INT STD	8.93	420.989 > 375.979	68120		9.958		na	99.6
24	6:2FTS	27619-97-2	8.88	427.161 > 407.155	13298		48.743	22.38	YES	102.6
25	M2-6:2FTS	INT STD	8.88	429.146 > 409.14	3783		10.232		na	102.3
26	PFHpS	375-92-8	9.02	448.926 > 80.257	31193		47.223	1.06	NO	99.4
27	PFNA	375-95-1	9.68	462.989 > 418.931	239615		49.727	3.18	NO	99.5
28	M9PFNA	INT STD	9.68	472.053 > 426.947	25800		9.848		na	98.5
29	br-PFOS	1763-23-1	9.55	498.989 > 80.294	11628	m5,m7	10.319	4.48	YES	103.2
30	L-PFOS	1763-23-1	9.73	498.989 > 80.294	32679		37.339	1.81	NO	102.3
31	PFOS	1763-23-1		498.989 > 80.294	44307		47.658		na	
32	M4PFOS	INT STD	9.73	503.032 > 80.306	7546		10.100		na	101.0
33	M8PFOS	INT STD	9.73	507.053 > 80.294	9469		10.044		na	100.4
34	PFDA	335-76-2	10.29	513.053 > 468.906	194895		49.860	4.49	NO	99.7
35	M2PFDA	INT STD	10.29	515.053 > 469.934	42428		9.768		na	97.7
36	M6PFDA	INT STD	10.29	519.053 > 473.931	45583		9.824		na	98.2
37	8:2FTS	39108-34-4	10.28	527.177 > 507.171	6485		50.425	55.50	YES	105.1
38	M2-8:2FTS	INT STD	10.28	529.162 > 509.155	2471		9.595		na	95.9
39	PFNS	68259-12-1	10.32	548.989 > 80.249	37466		50.031	1.41	NO	104.2

all concentration units in (ng/mL)

Alpha Analytical Inc.
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ID: IA2-537STD50.0
Name: I31180
Date: 27-Oct-2020
Time: 18:46:51
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Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:JW
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MS Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.70	573.22 > 419.061	4992		10.321		na	103.2
41	br-NMeFOSAA		10.55	570.202 > 419.061	2049	m5,m7	11.304	1.25	YES	94.2
42	L-NMeFOSAA		10.71	570.202 > 419.061	17797		38.860	2.66	YES	102.3
43	NMeFOSAA	2355-31-9		570.202 > 419.061	19847		50.164		na	
44	PFUnA	2058-94-8	10.82	562.989 > 518.903	180764		50.054	6.31	NO	100.1
45	M7-PFUDA	INT STD	10.82	570.053 > 524.923	38726		9.766		na	97.7
46	PFDS	335-77-3	10.83	598.926 > 80.314	37572		51.494	1.54	NO	106.7
47	FOSA	754-91-6	10.94	498.146 > 78.07	134575		49.952	135.15	YES	99.9
48	M8FOSA	INT STD	10.94	506.077 > 78.07	30874		10.059		na	100.6
49	br-NEtFOSAA		10.86	584.229 > 419.061	1434	m5,m7	11.587	1.93	NO	103.0
50	L-NEtFOSAA		11.01	584.229 > 419.061	12452	M4	39.710	3.47	NO	102.5
51	NEtFOSAA	2991-50-6		584.229 > 419.061	13886		51.297		na	
52	d5-NEtFOSAA	INT STD	11.00	589.259 > 419.061	3848		9.975		na	99.8
53	PFDoA	307-55-1	11.28	612.989 > 568.967	222538		51.205	11.80	NO	102.4
54	MPFDOA	INT STD	11.28	614.989 > 569.92	44026		9.884		na	98.8
55	PFTrDA	72629-94-8	11.68	663.053 > 618.969	225593		51.375	9.95	NO	102.7
56	PFTA	376-06-7	12.03	713.053 > 668.976	210311		50.324	6.91	NO	100.6
57	M2PFTEDA	INT STD	12.03	715.094 > 670.092	21919		10.021		na	100.2
58	M3HFPO-DA	INT STD	7.15	287.02 > 169.022	3770		152.751		na	76.4
59	HFPO-DA	13252-13-6	7.15	284.819 > 169.094	16629		987.033	2.18	YES	98.7
60	ADONA	958445-44-8	8.18	376.926 > 251.005	349457		47.506		na	100.4
61	PFHxDA		12.56	813.253 > 769.005	92701		50.199		na	100.4
62	PFODA		12.77	913.411 > 869.131	46308		48.976		na	98.0
63	M2PFHxDA		12.56	815.372 > 770.158	13337		10.098		na	101.0
64	PFDoS		11.67	699.154 > 80.062	42094		51.988		na	104.0
65	10:2FTS		11.28	627.192 > 607.186	7261	m4	51.700		na	107.3
66	9CL-PF3ONS		10.08	530.862 > 350.843	141680		44.865		na	96.3
67	11CL-PFOUdS		11.09	630.862 > 450.854	129693		45.367		na	96.3
68	NMeFOSA		11.56	511.804 > 168.906	16408		48.643	1.85	NO	97.3
69	d3-NMeFOSA		11.55	514.84 > 168.917	52066		111.727		na	101.6
70	NEtFOSA		11.86	525.84 > 168.92	20795		49.960	4.58	NO	99.9
71	d5-NEtFOSA		11.85	530.904 > 168.919	63511		111.191		na	101.1
72	NMeFOSE		11.56	615.862 > 58.9	44420		51.432		na	102.9
73	d7-NMeFOSE		11.54	622.84 > 58.964	32223		113.976		na	103.6
74	NEtFOSE		11.85	629.862 > 58.899	50620		55.122		na	110.2
75	d9-NEtFOSE		11.82	638.734 > 58.964	18404		111.948		na	101.8
76	M3PFPeA		4.86	265.968 > 222.023	41758		9.909		na	99.1
77	M2PFHxA		6.72	314.968 > 270.02	33109		10.003		na	100.0
78	M4PFOA		8.93	416.904 > 372.045	56088		9.925		na	99.3

all concentration units in (ng/mL)

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Method: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\MethDB\537ISO_Q_201027_TOP.mdb 15 Sep 2020 15:13:47
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User: LCMS02:JW
Vial: 1:A,6
Instrument: XEVO-TQSmicro#QEB0050
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Tune Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\200520_TUNE.IPR
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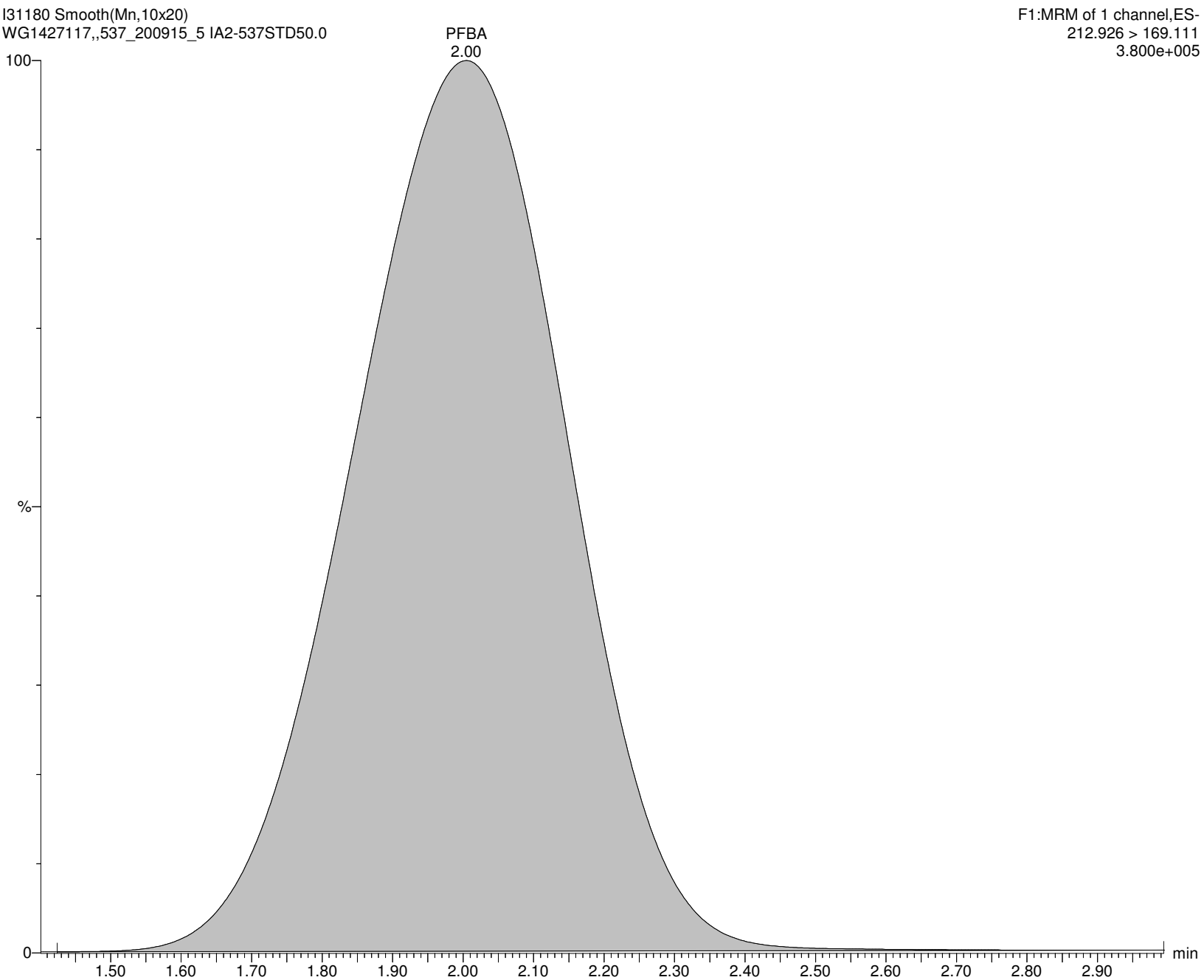
PFBA



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Vial: 1:A,6
Instrument: XEVO-TQSmicro#QEB0050
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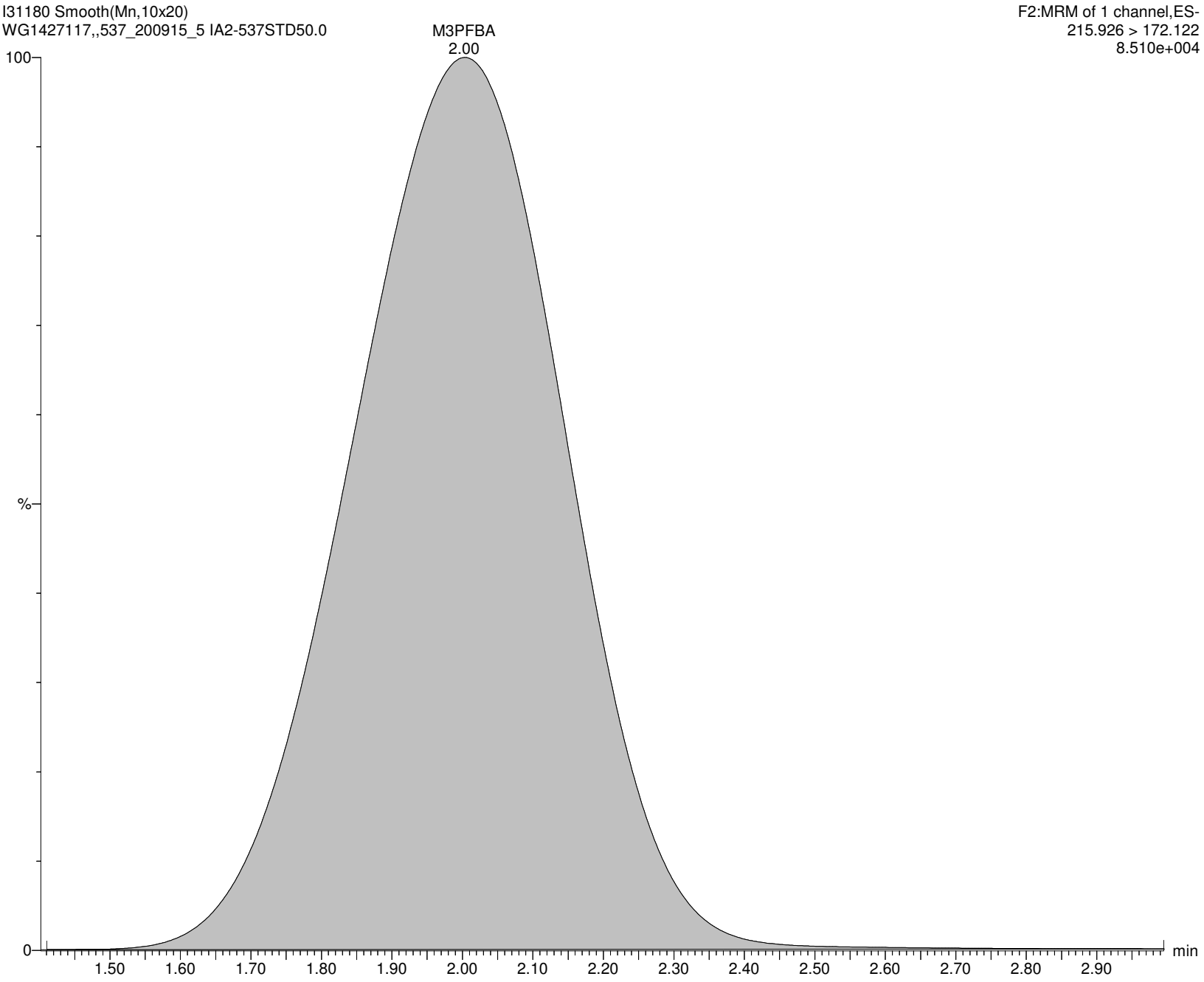

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:15:54 Eastern Daylight Time

Name: I31180
ID: IA2-537STD50.0
Date: 27-Oct-2020
Time: 18:46:51
Description: WG1427117,,537_200915_5
User: LCMS02:JW
Vial: 1:A,6
Instrument: XEVO-TQSmicro#QEB0050
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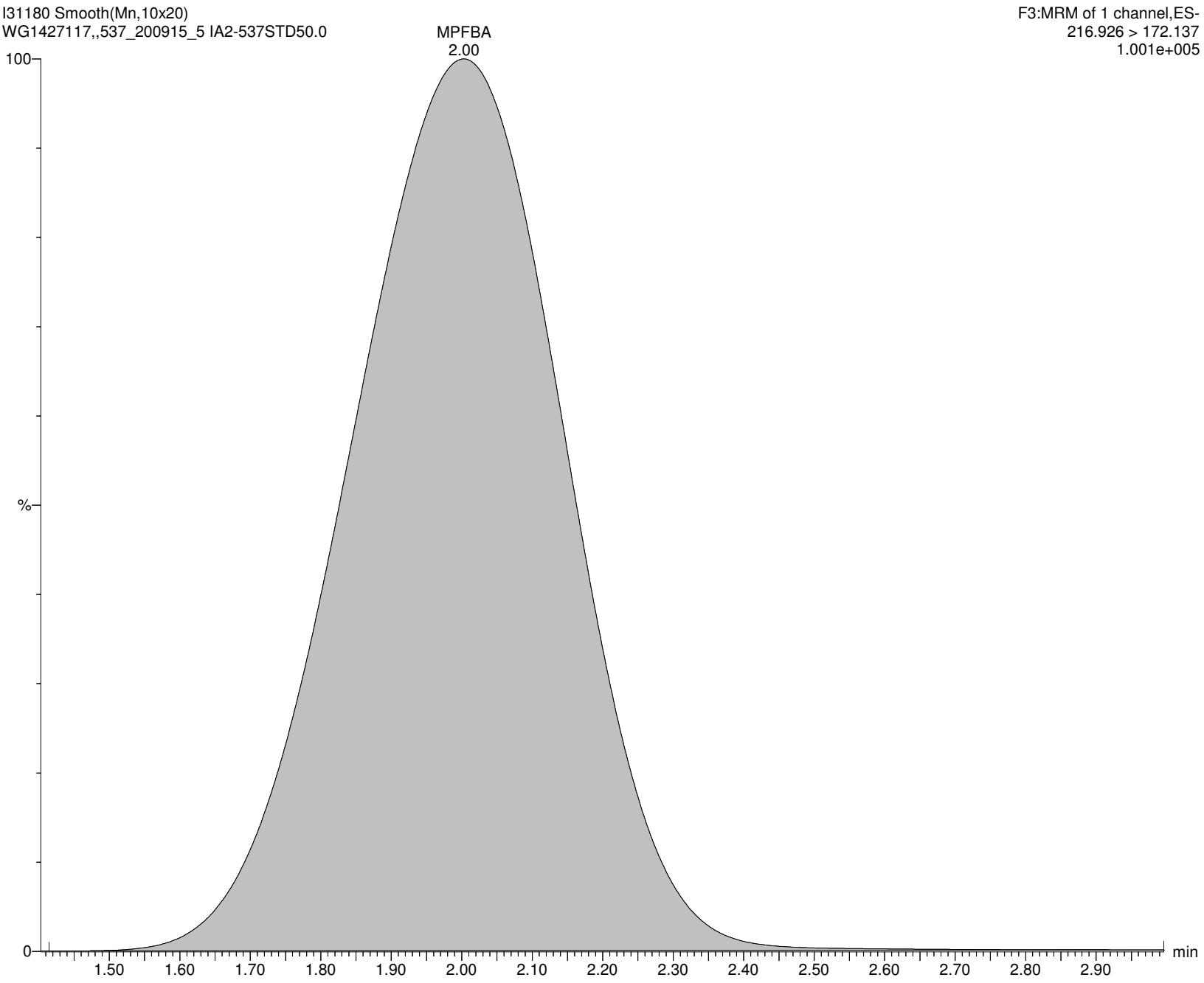

all concentration units in (ng/mL)

Alpha Analytical Inc.
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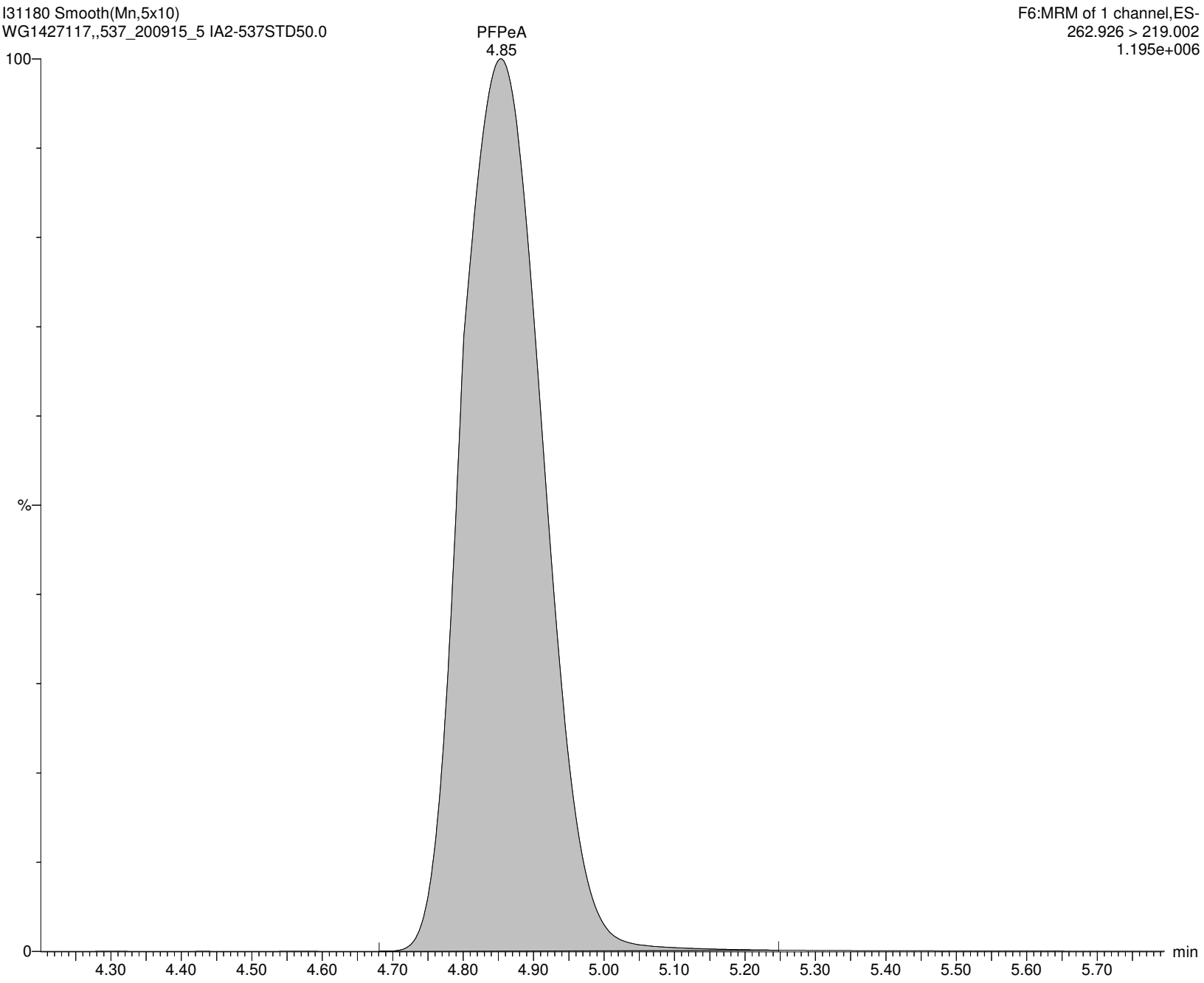

all concentration units in (ng/mL)

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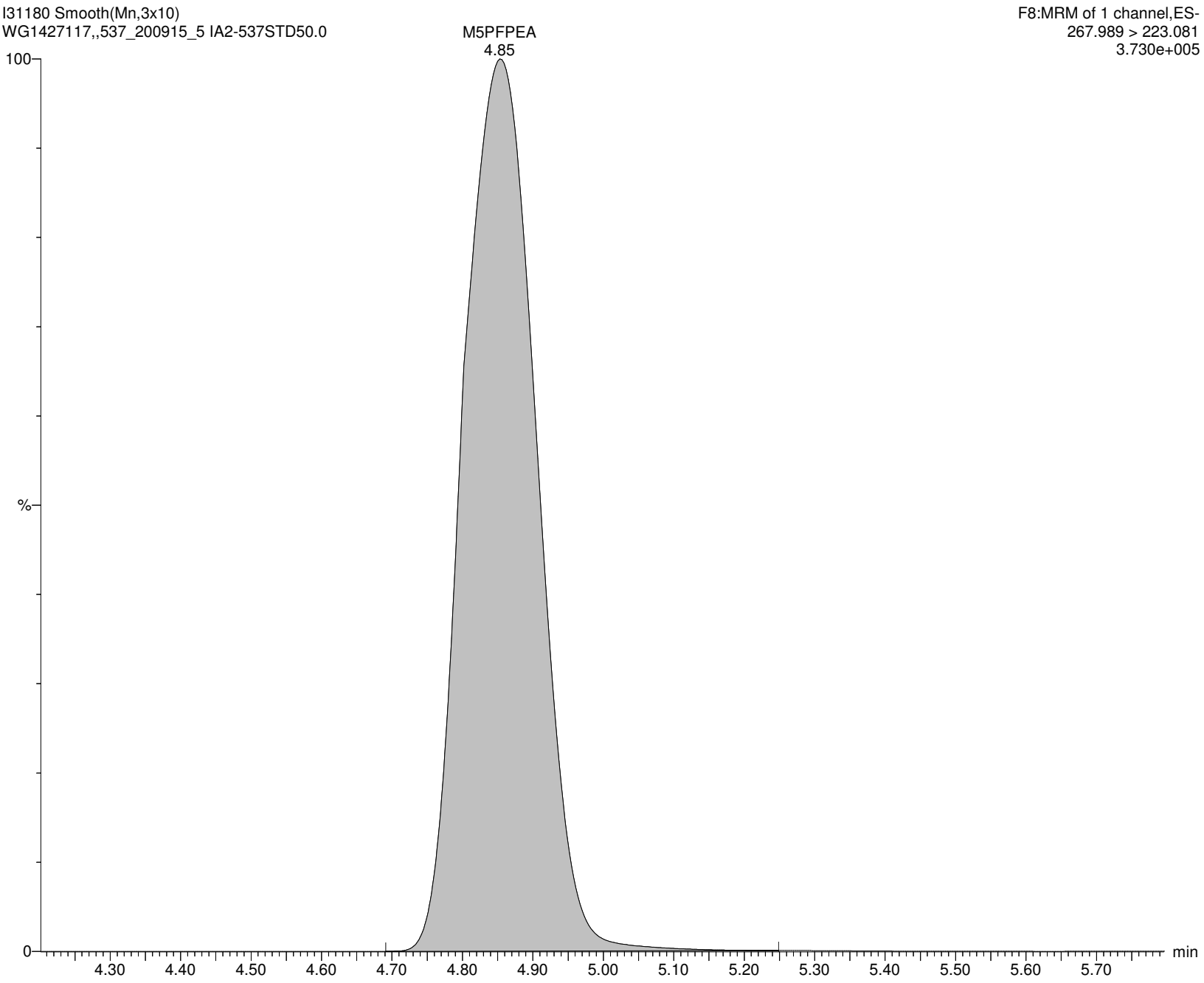

all concentration units in (ng/mL)

Alpha Analytical Inc.
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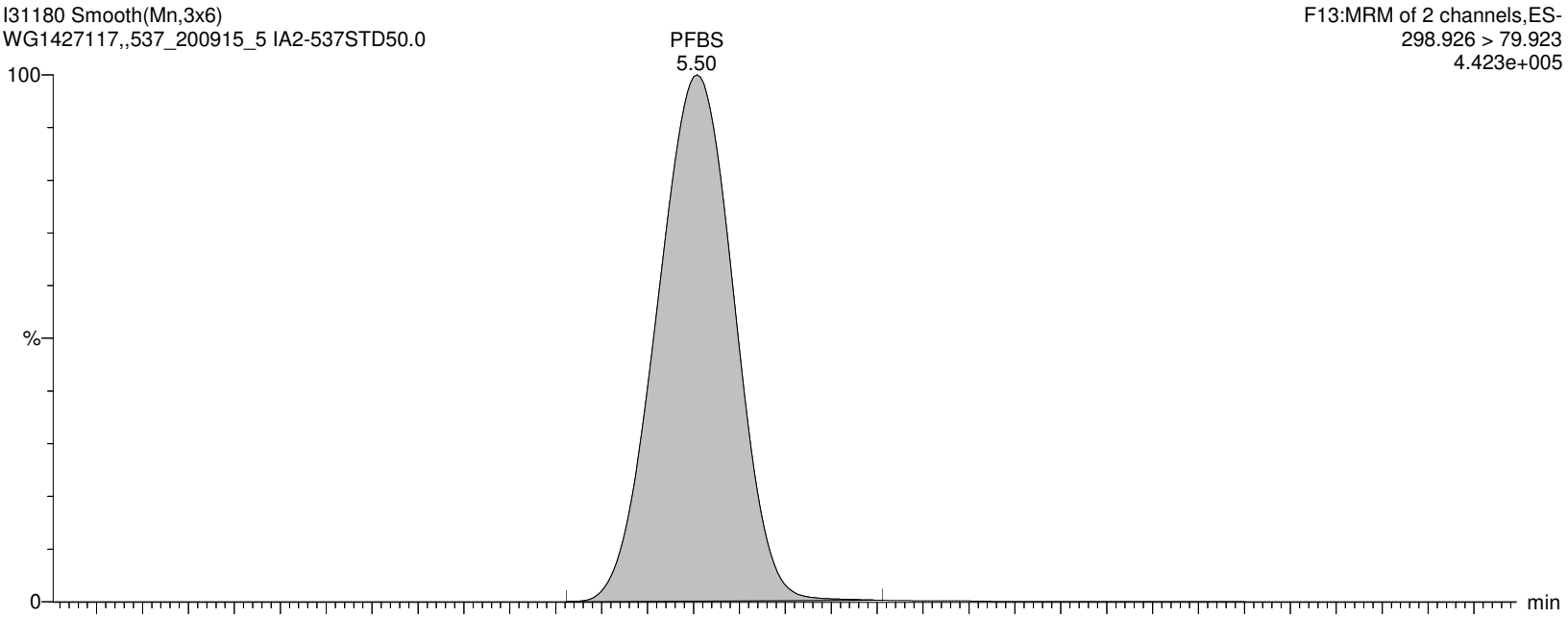
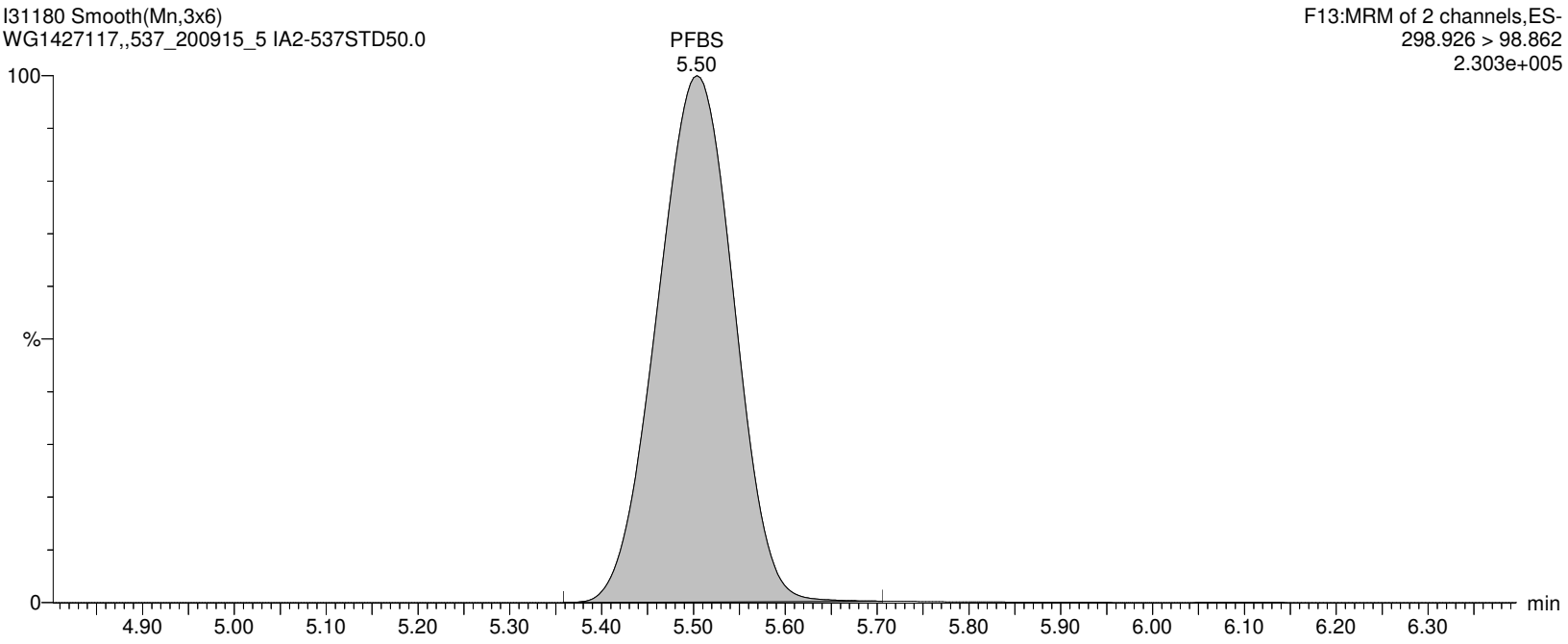
PFBS





all concentration units in (ng/mL)

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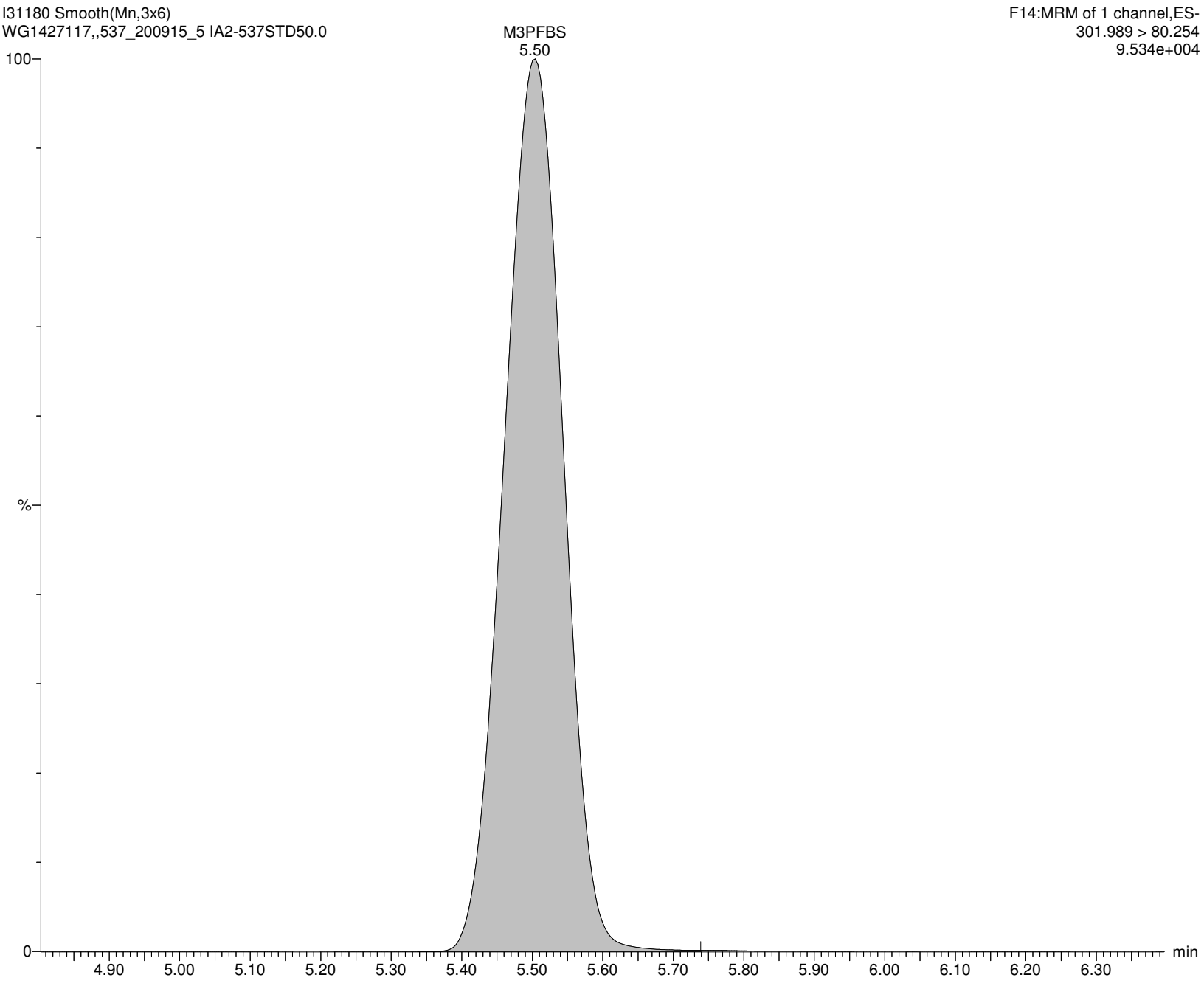

all concentration units in (ng/mL)

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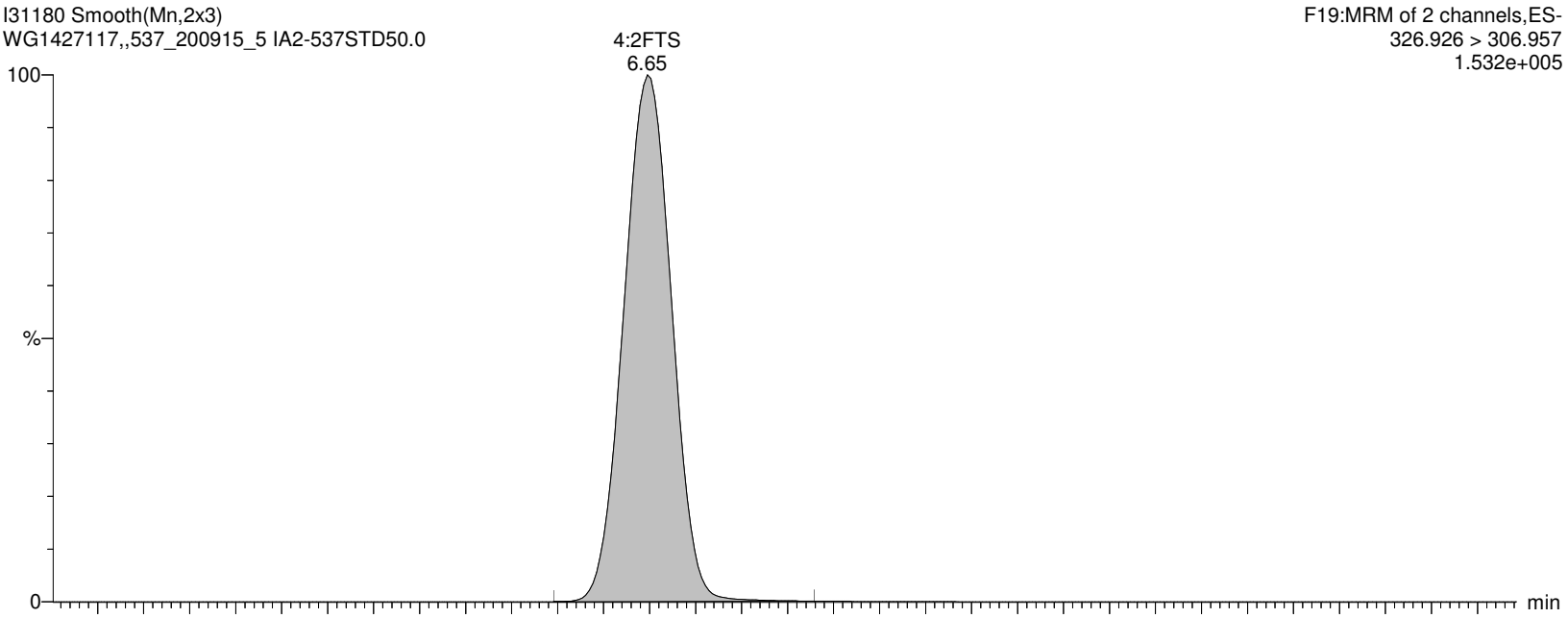
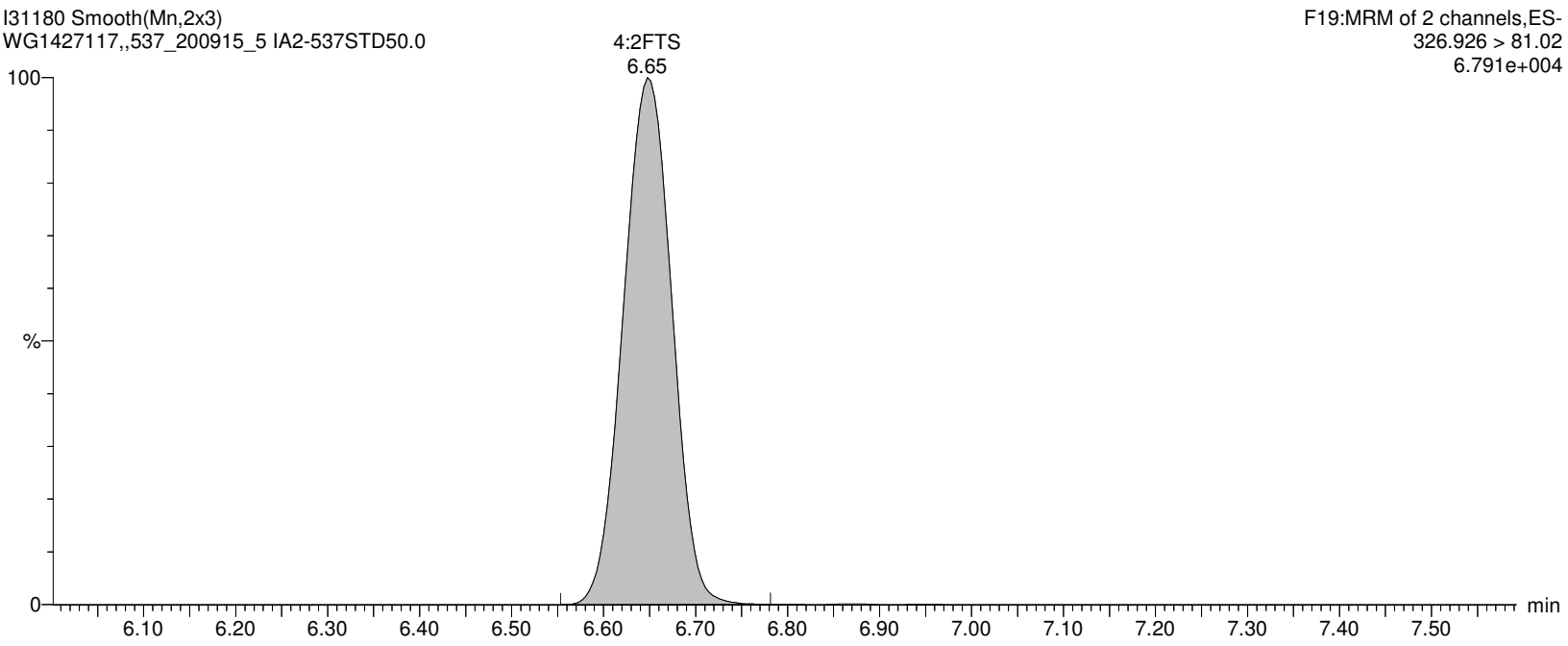
4:2FTS





all concentration units in (ng/mL)

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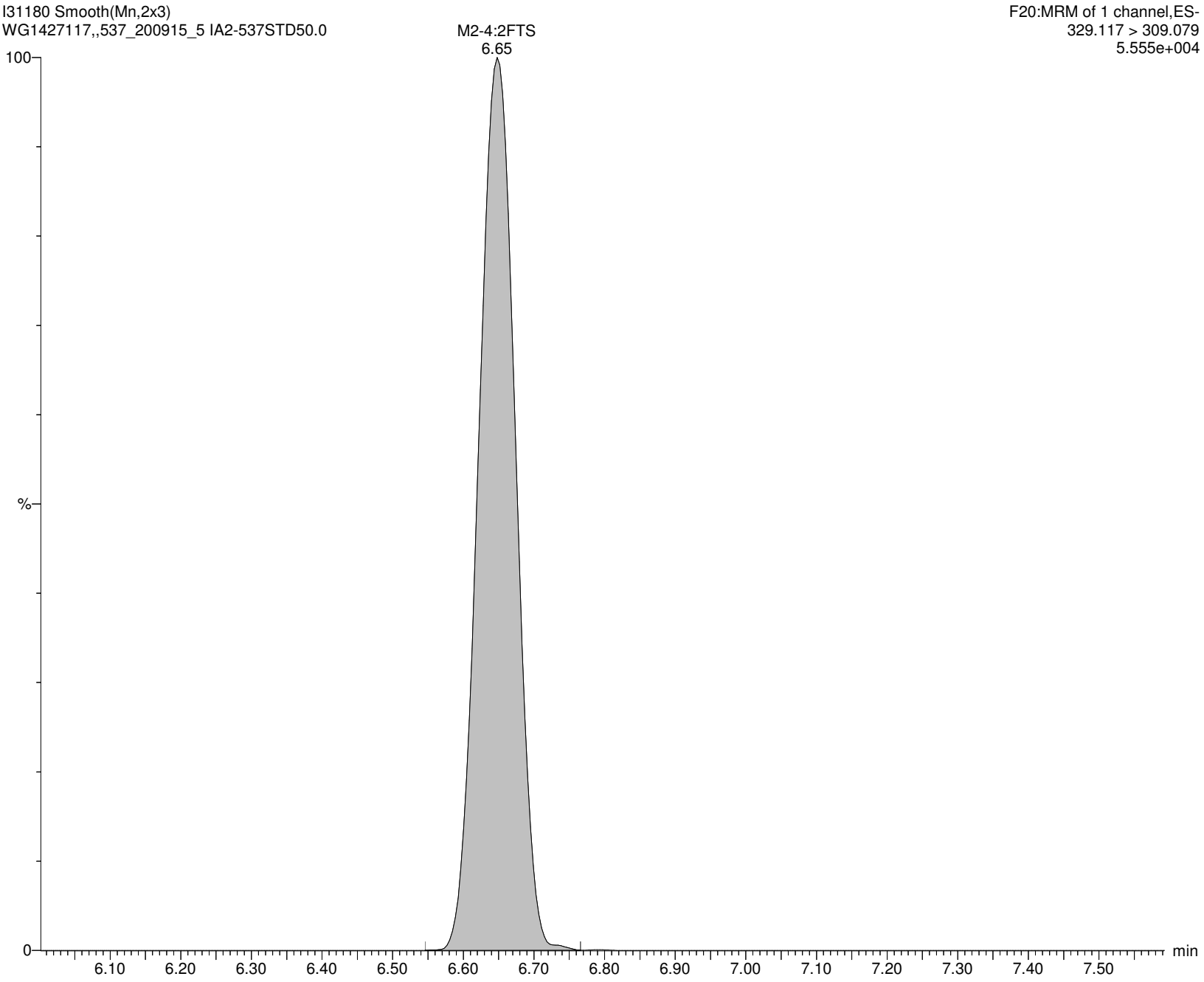

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
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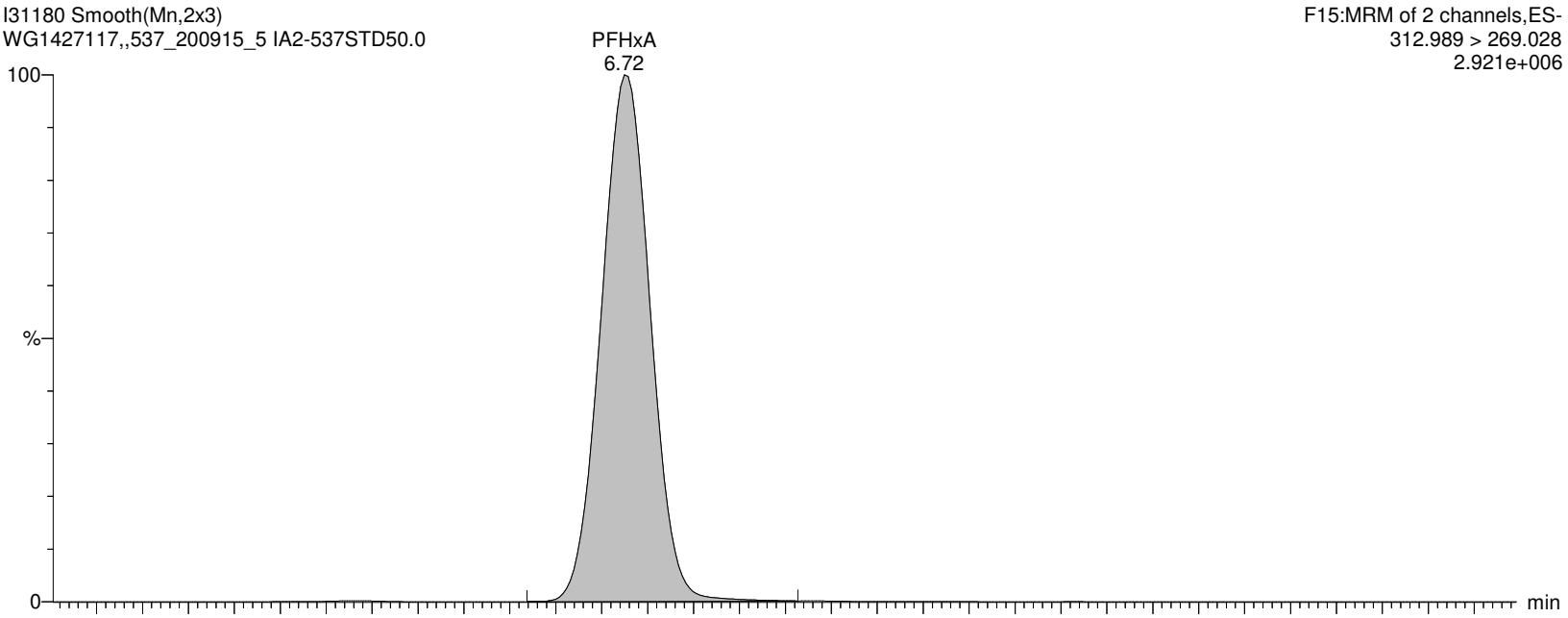

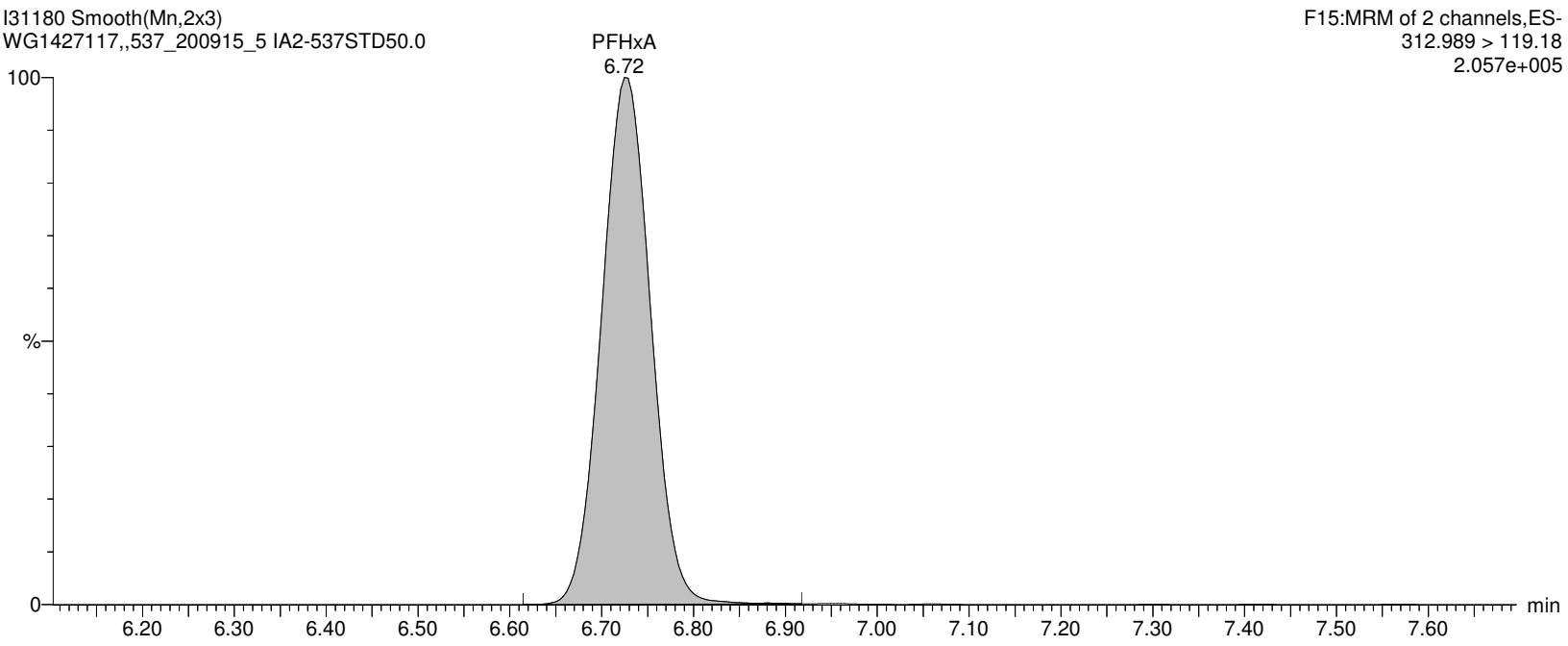

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
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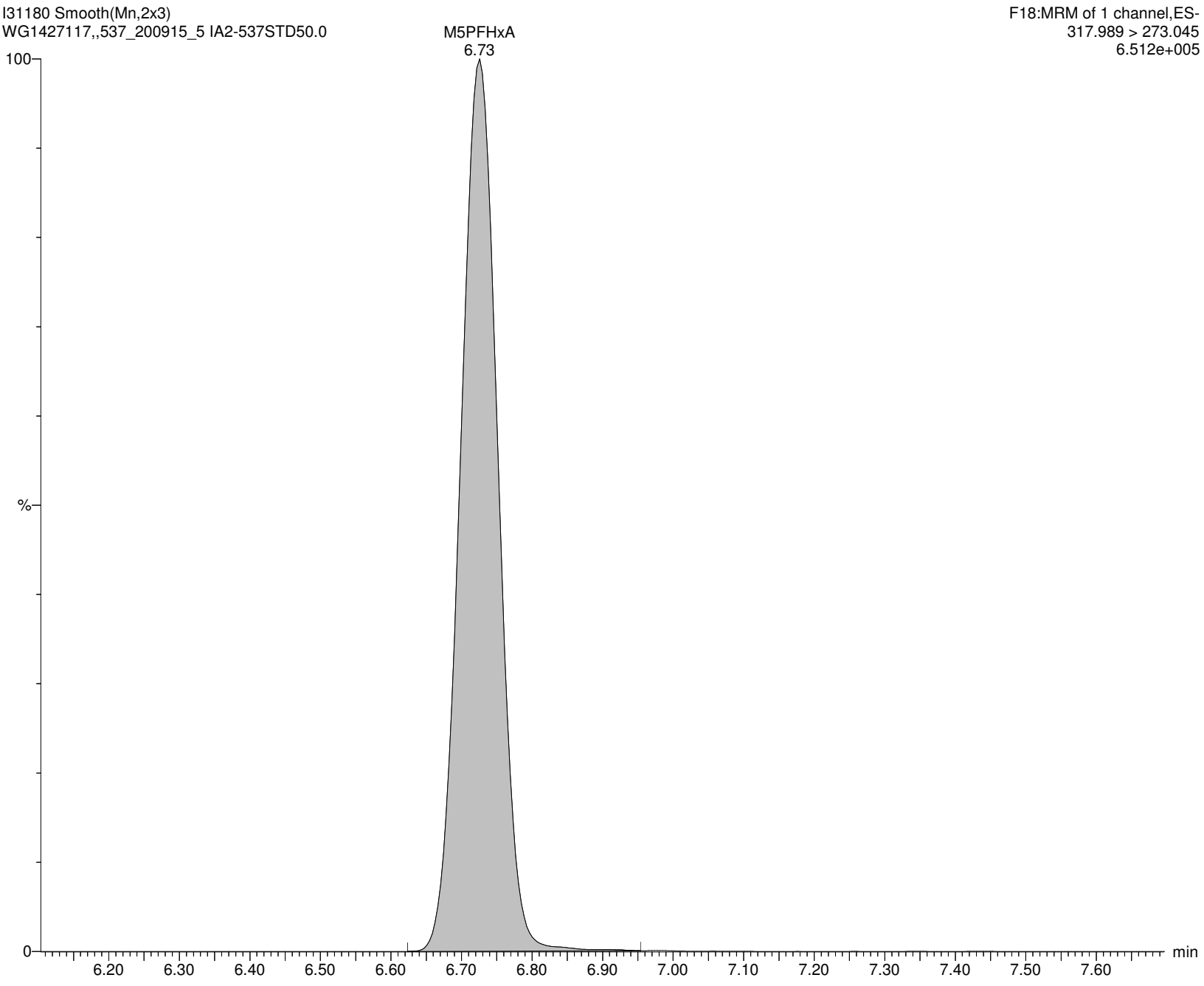

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
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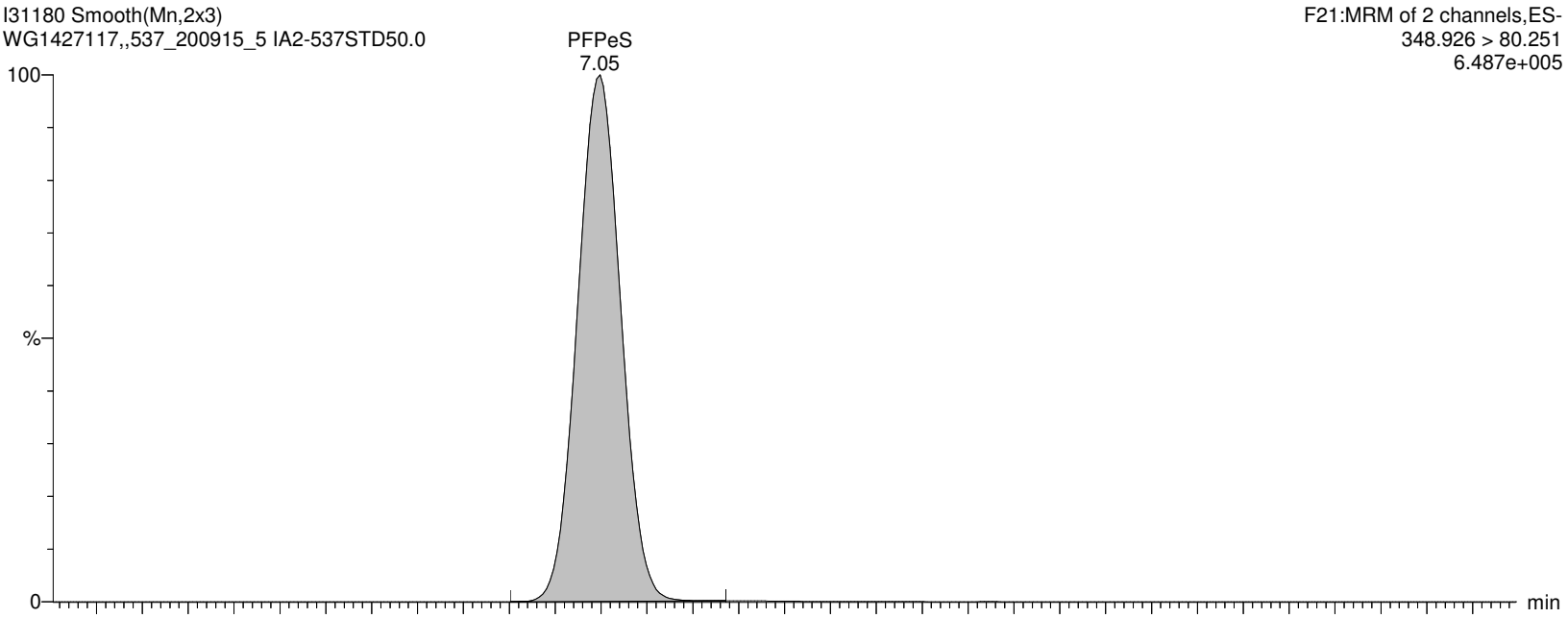

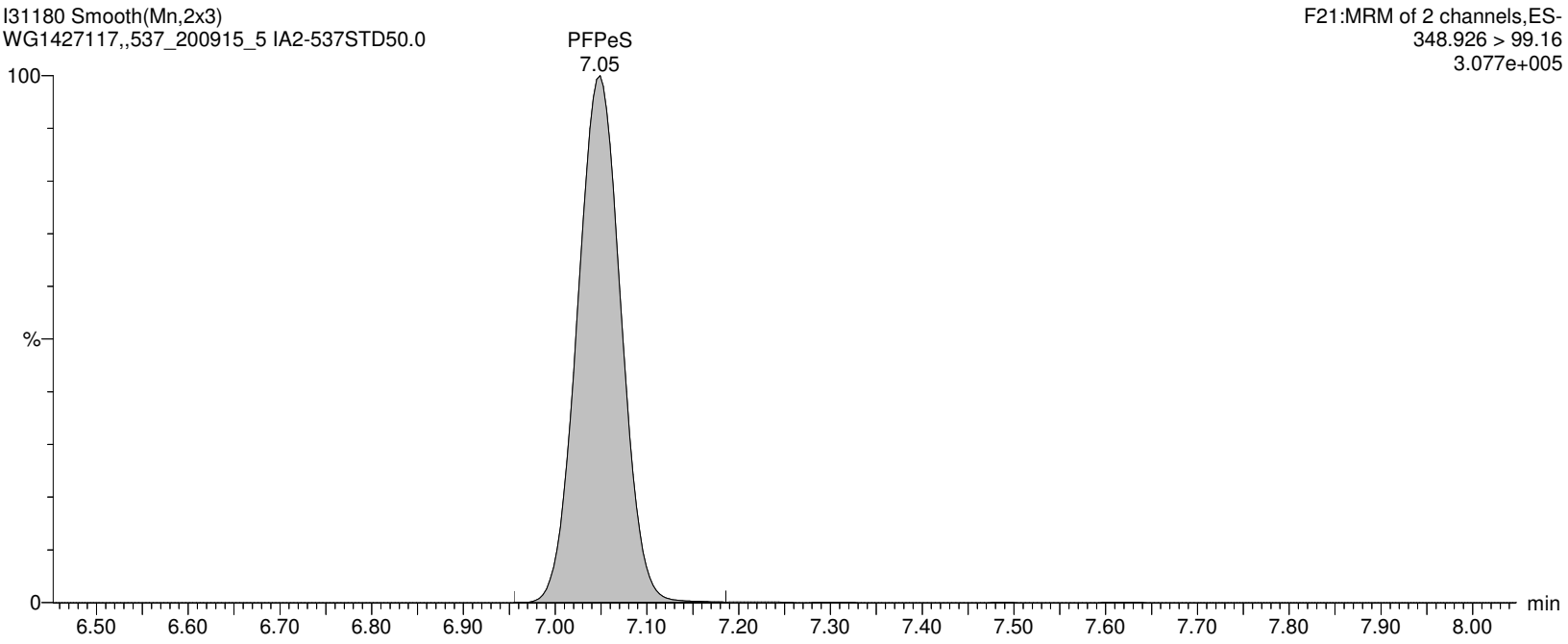

all concentration units in (ng/mL)

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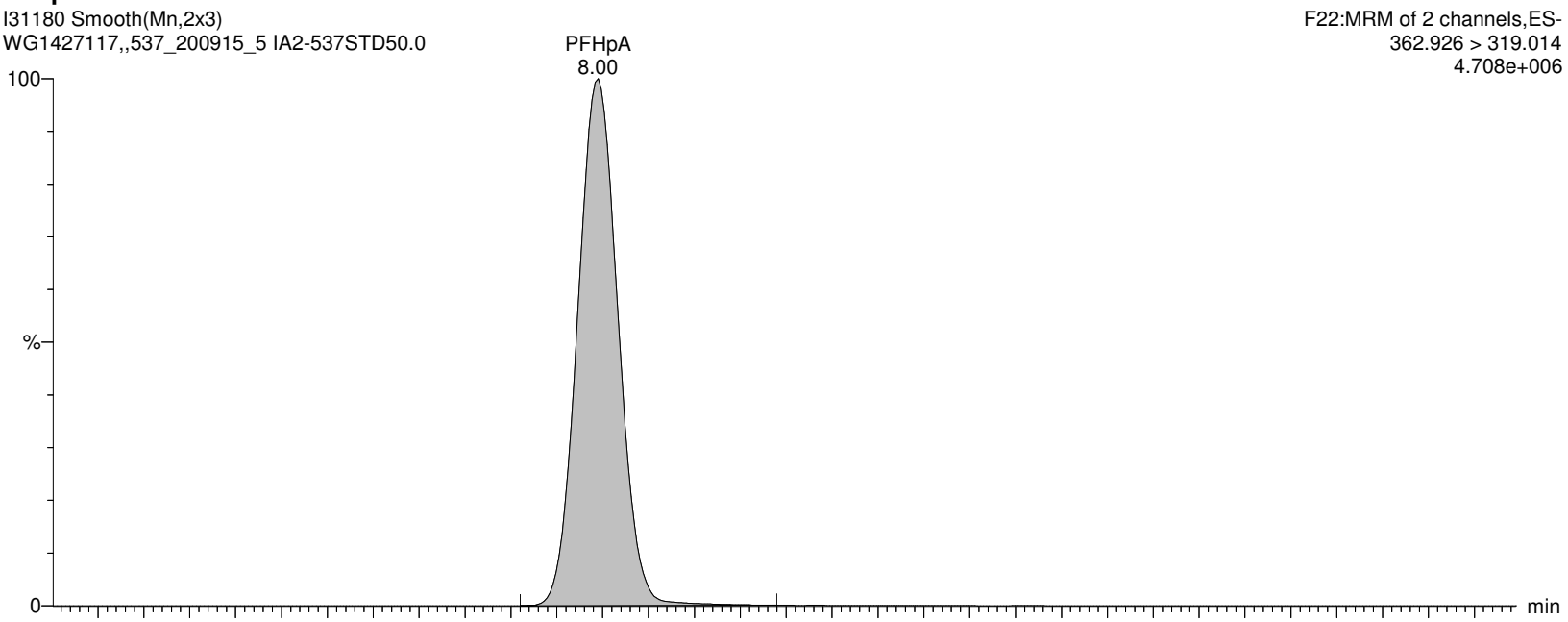
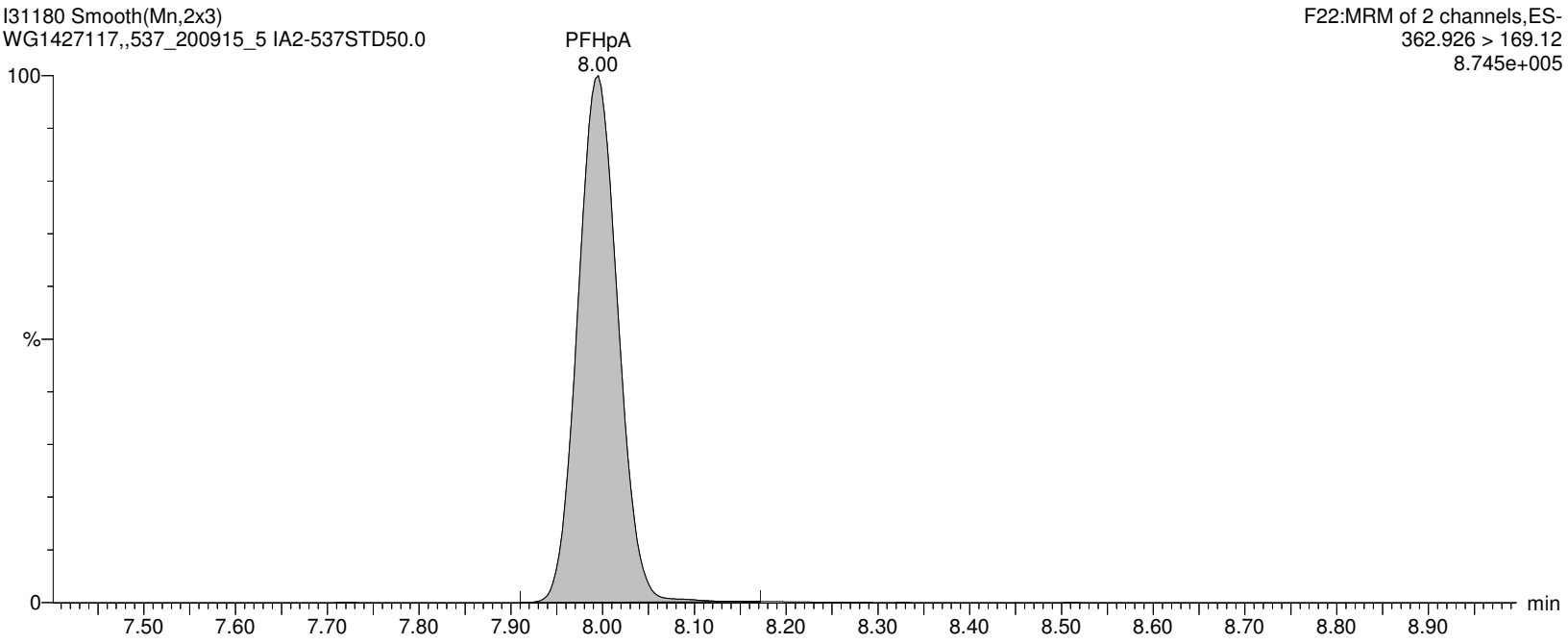
PFHpA





all concentration units in (ng/mL)

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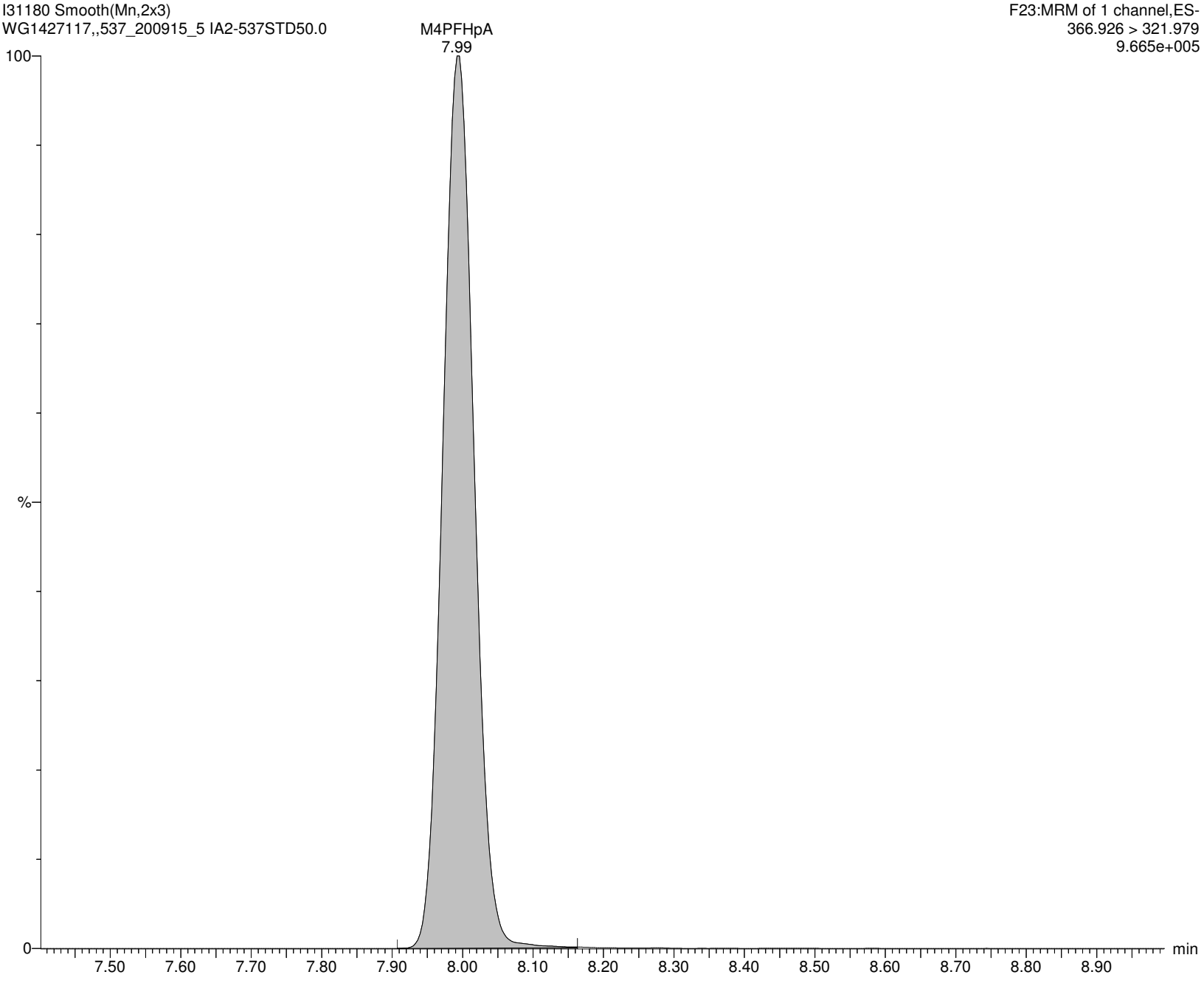

all concentration units in (ng/mL)

Alpha Analytical Inc.
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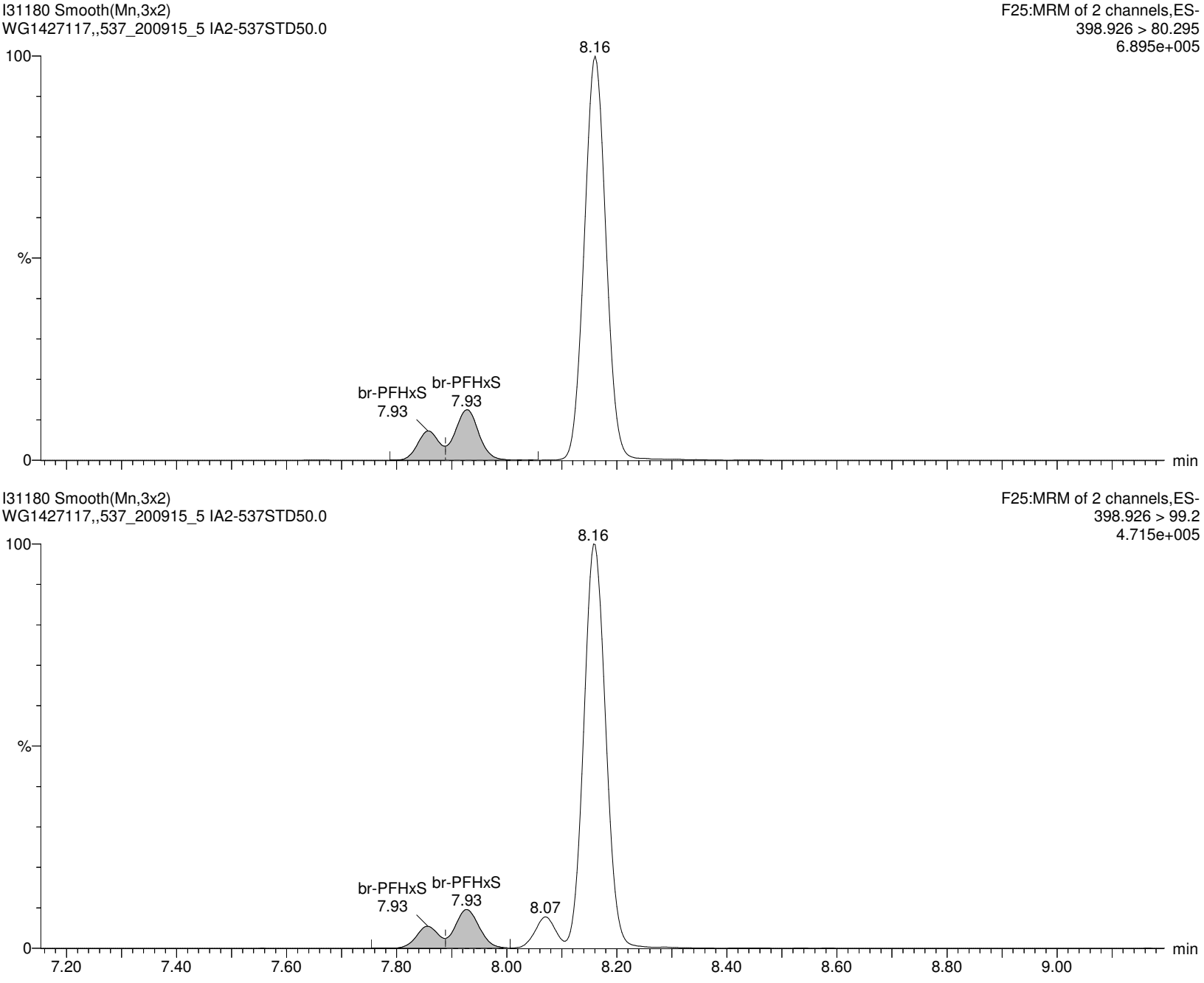
br-PFHxS



all concentration units in (ng/mL)

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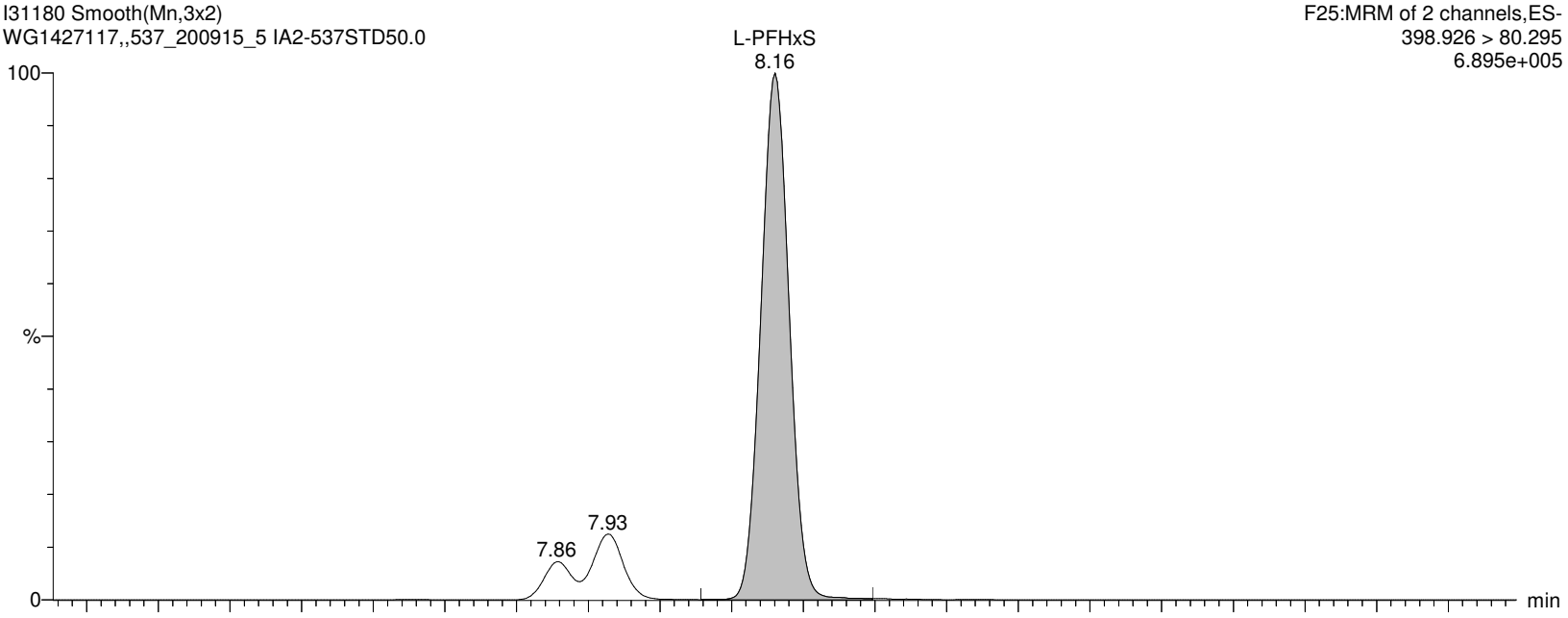
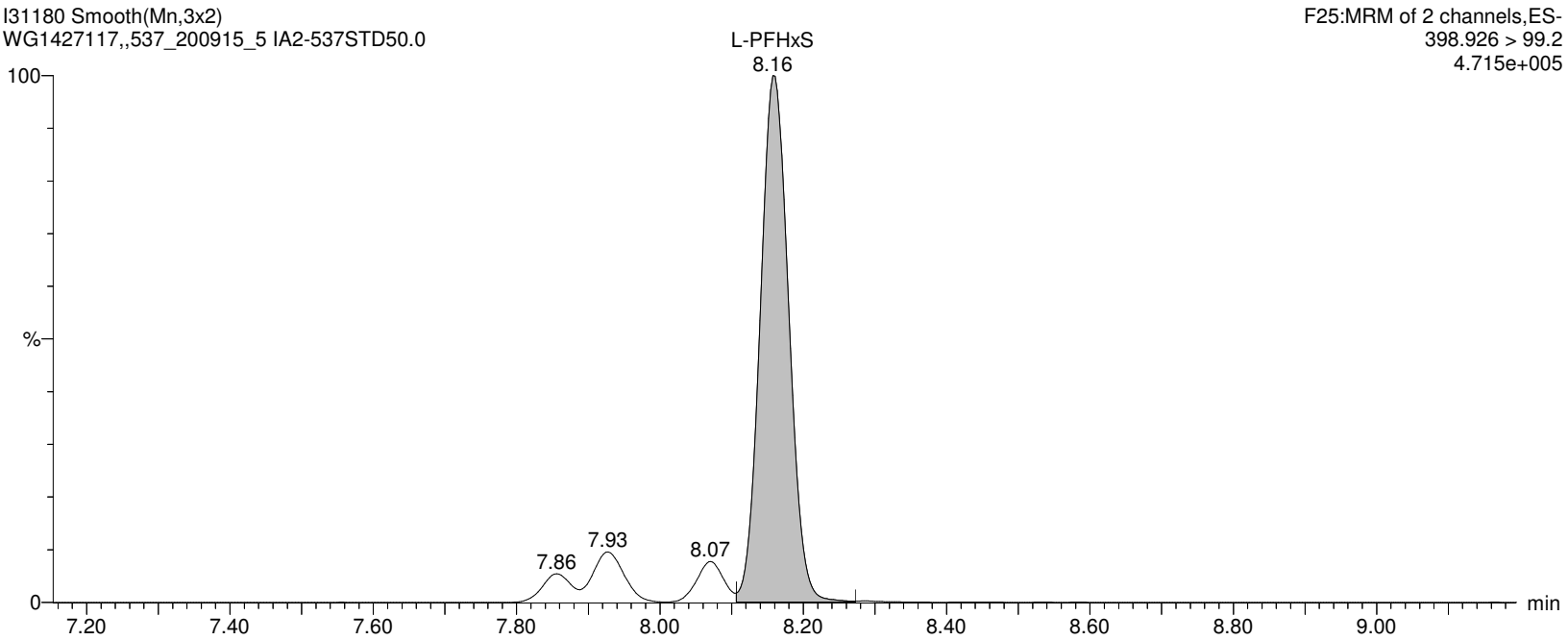
L-PFHxS





all concentration units in (ng/mL)

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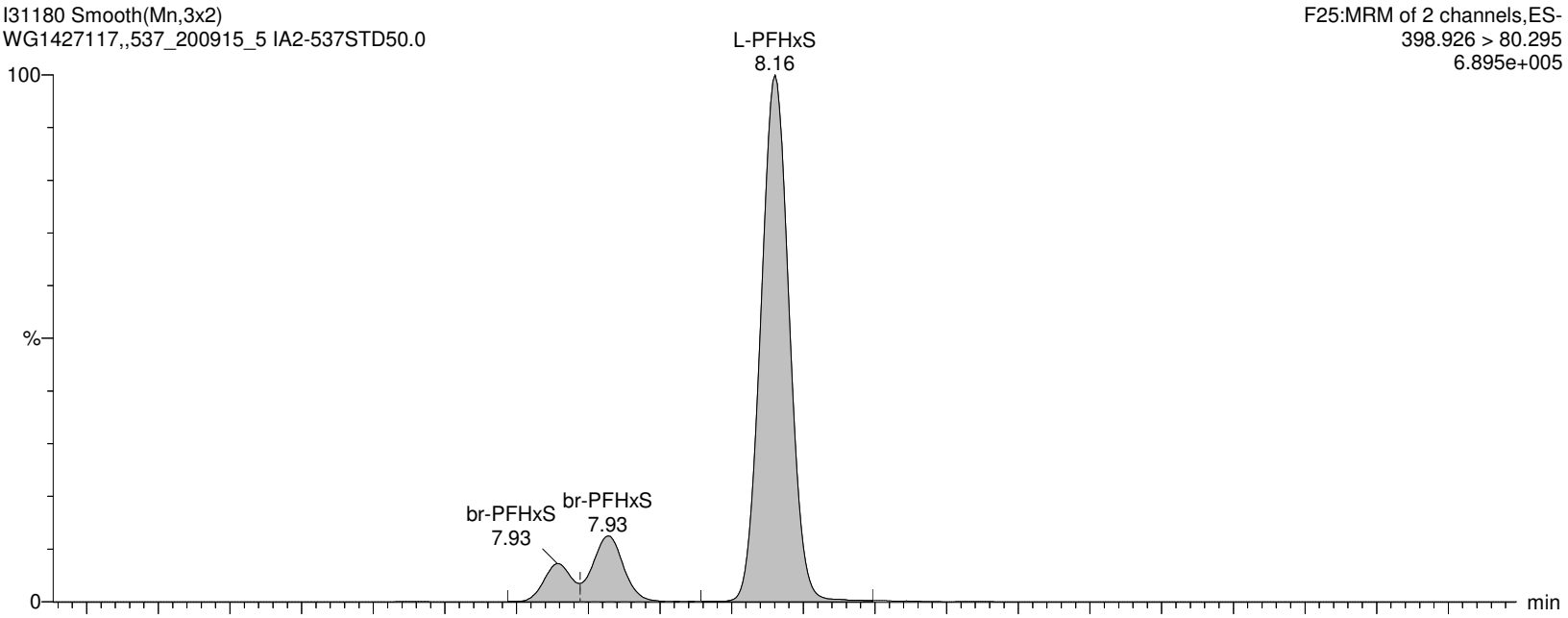
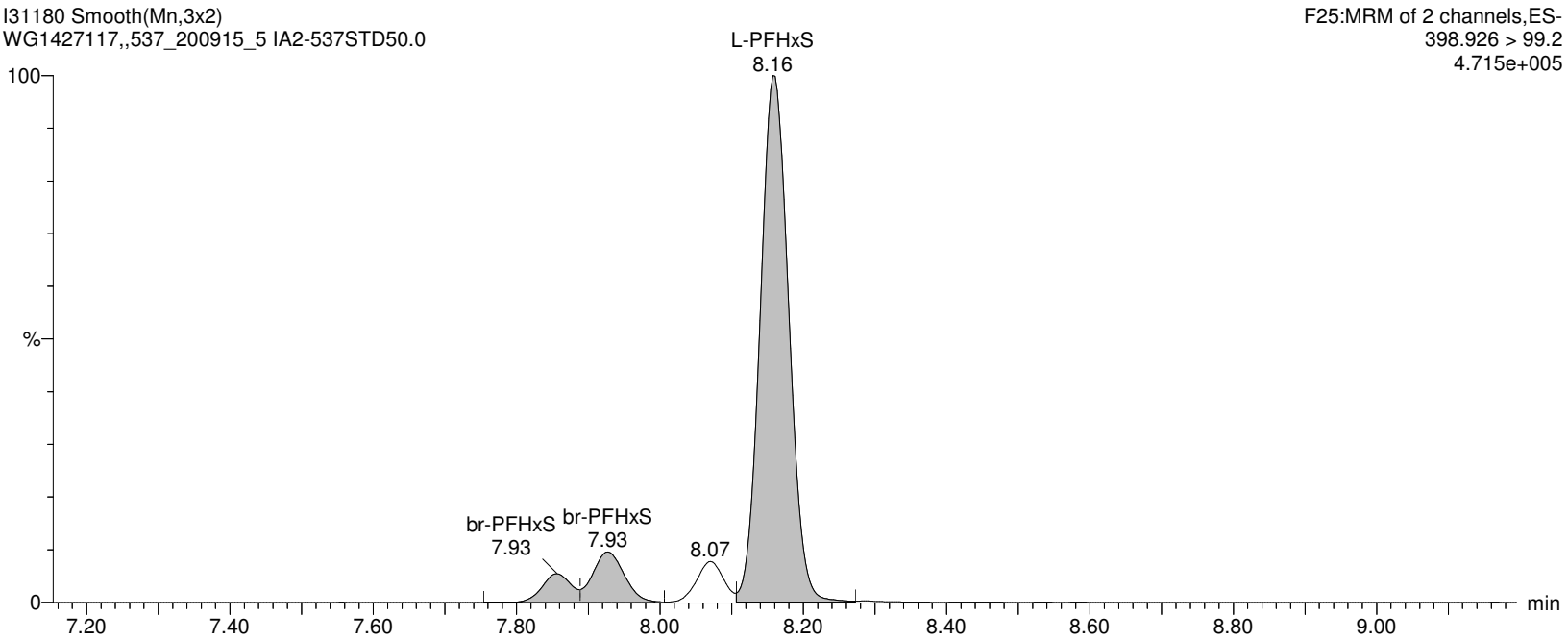
PFHxS





all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:15:54 Eastern Daylight Time

Name: I31180
ID: IA2-537STD50.0
Date: 27-Oct-2020
Time: 18:46:51
Description: WG1427117,,537_200915_5
User: LCMS02:JW
Vial: 1:A,6
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\200520_TUNE.IPR
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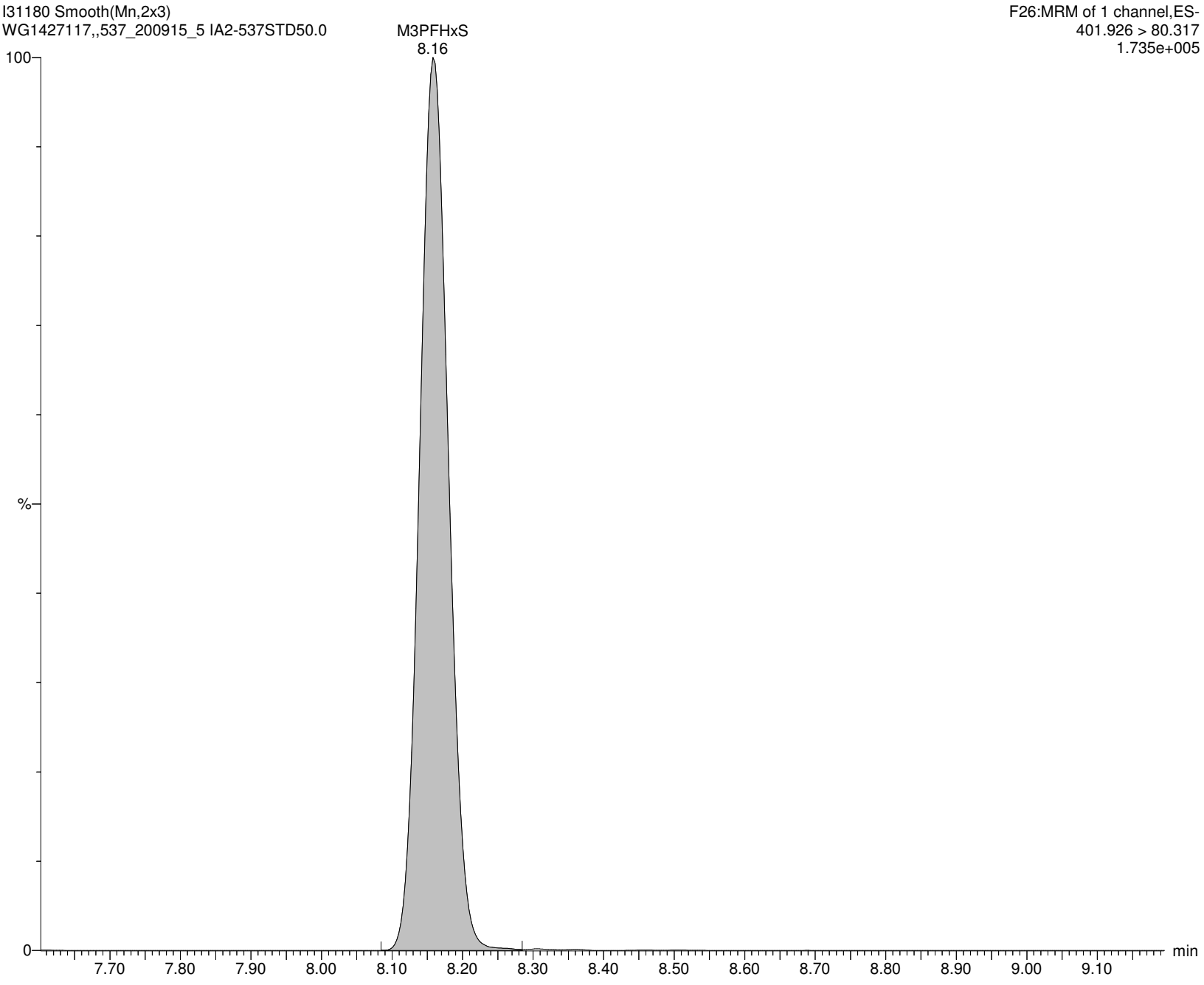

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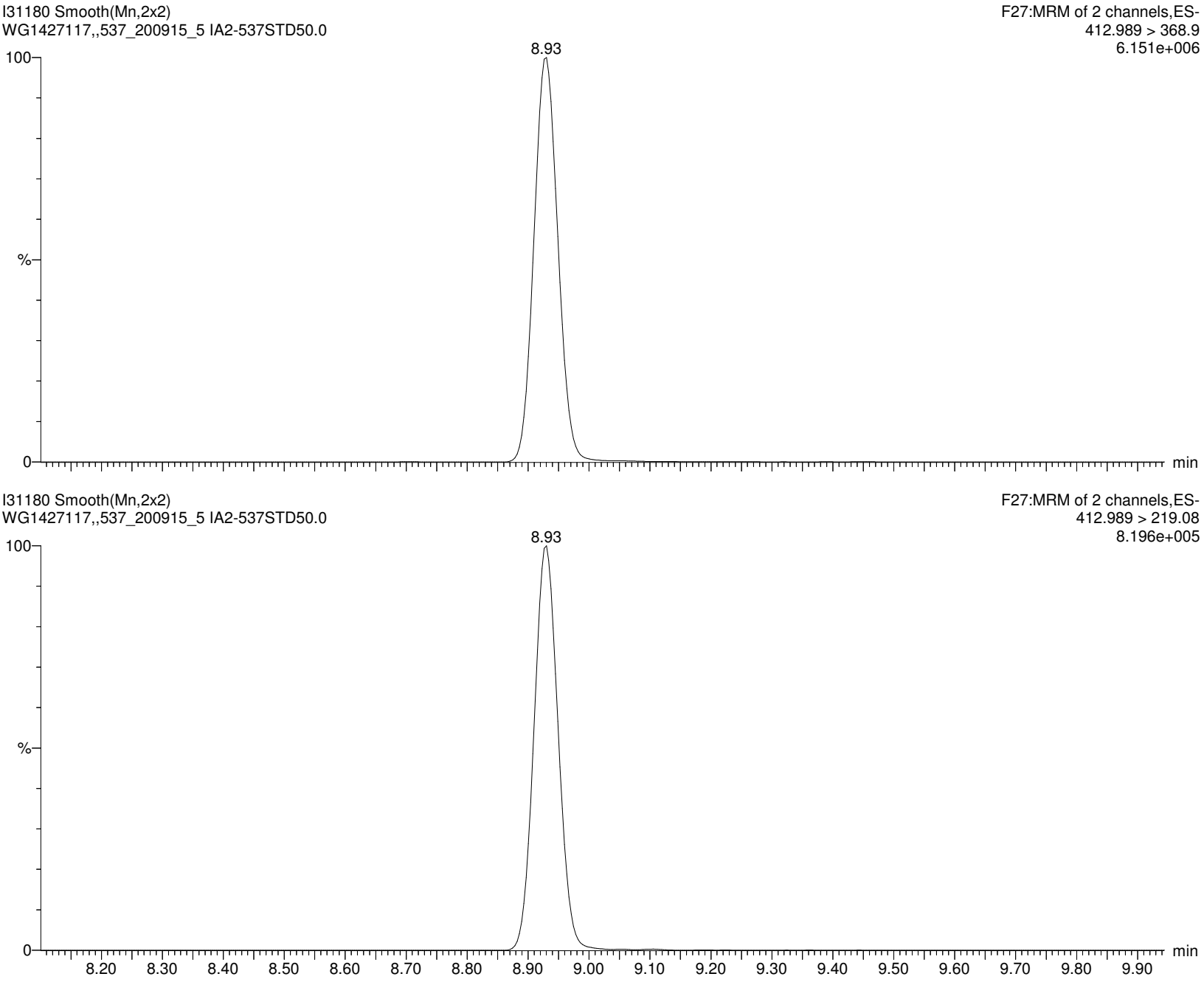

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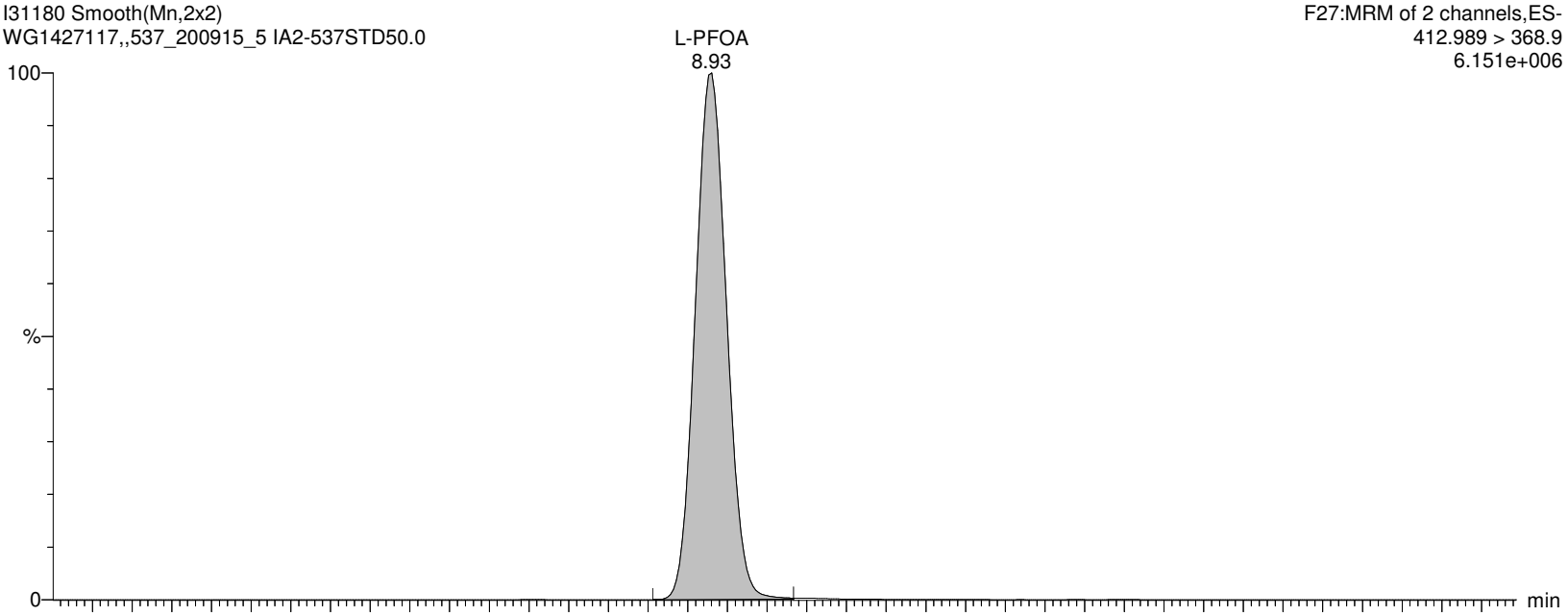

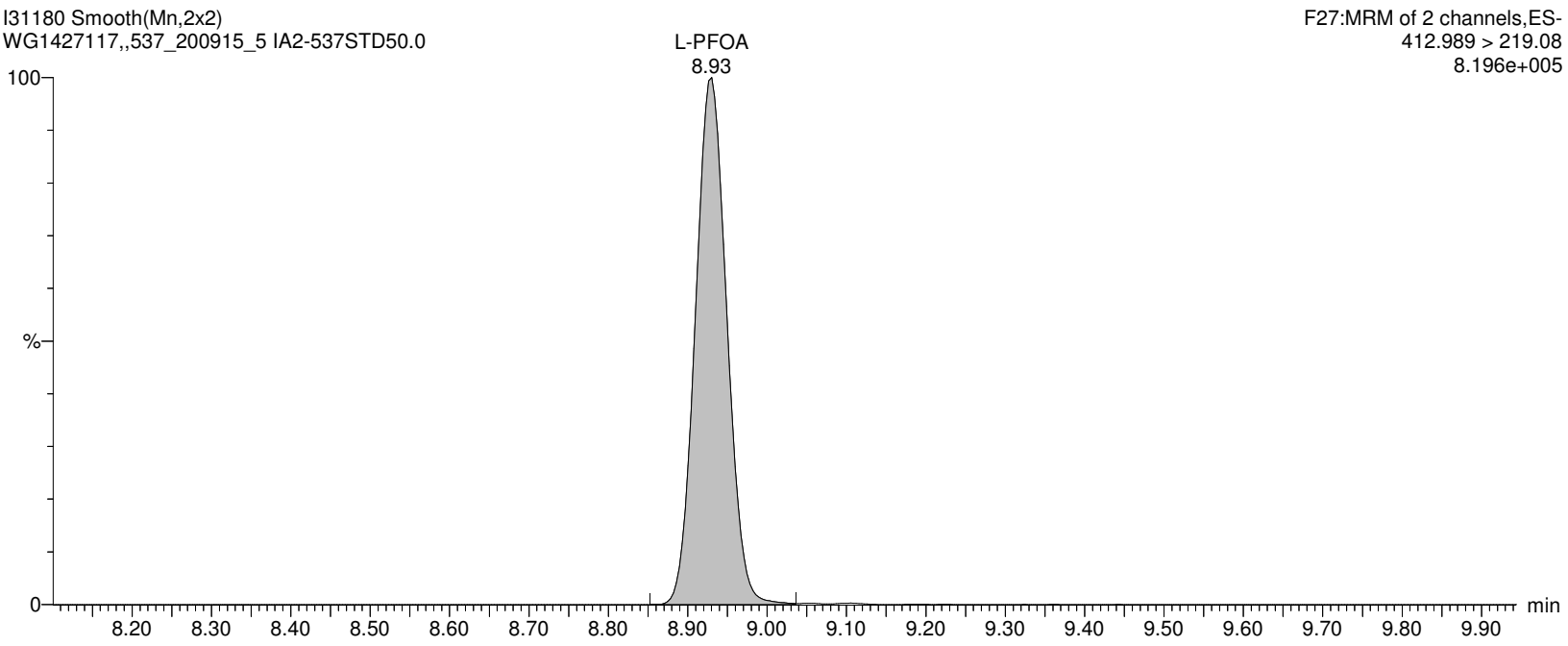

all concentration units in (ng/mL)

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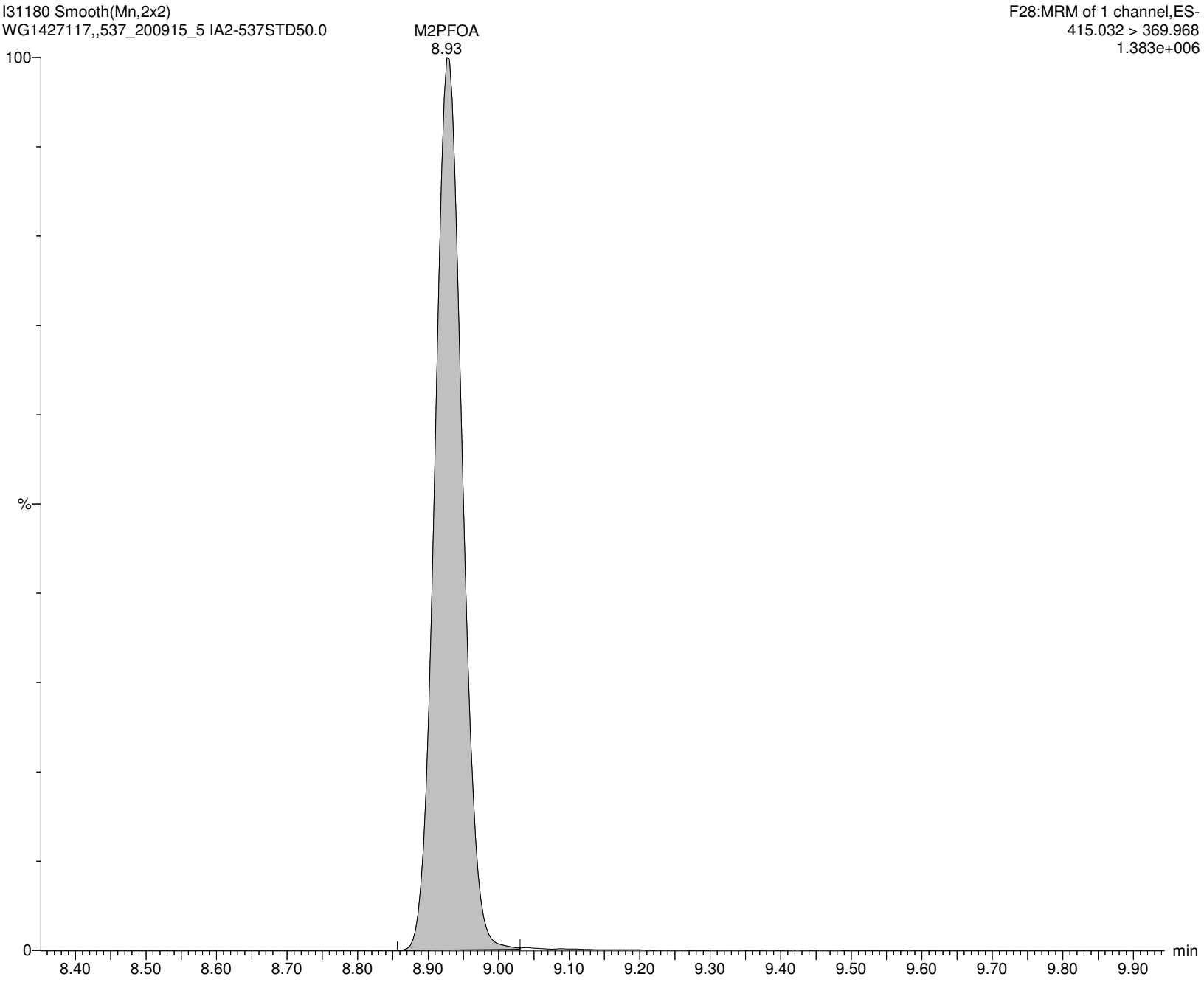

all concentration units in (ng/mL)

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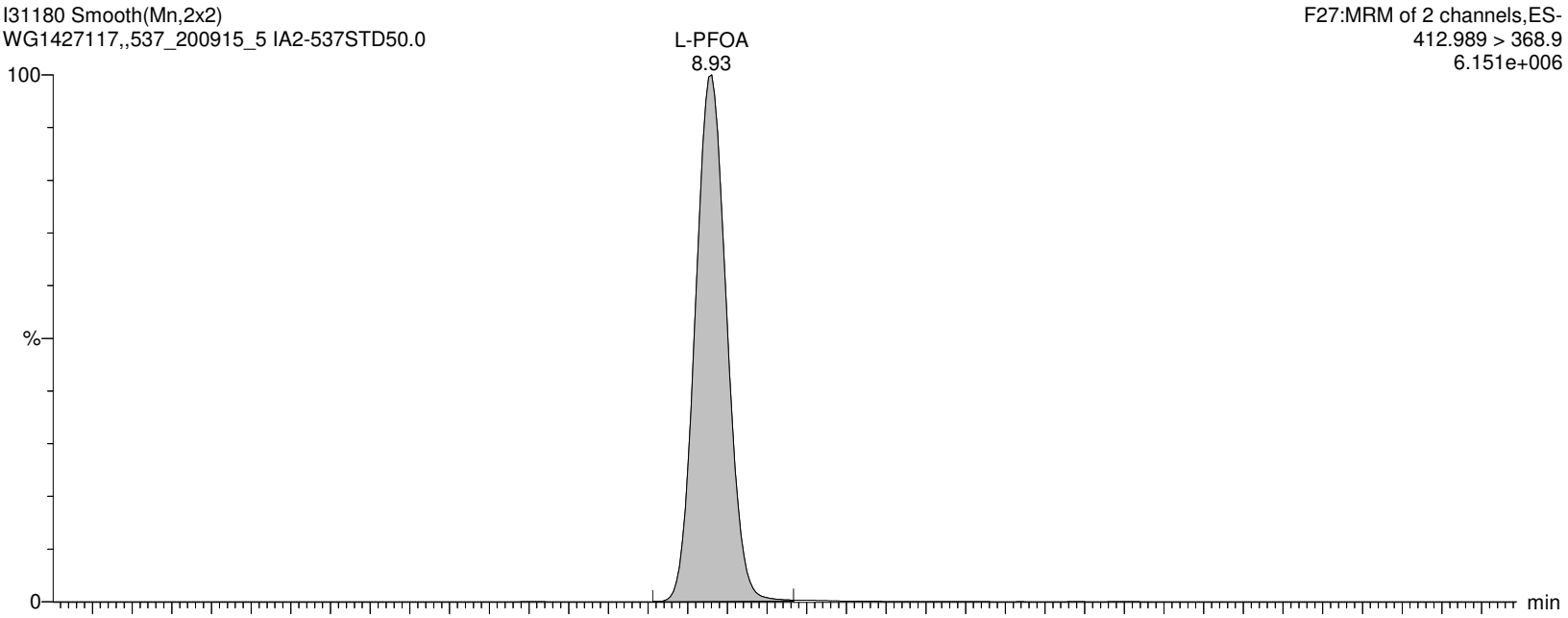

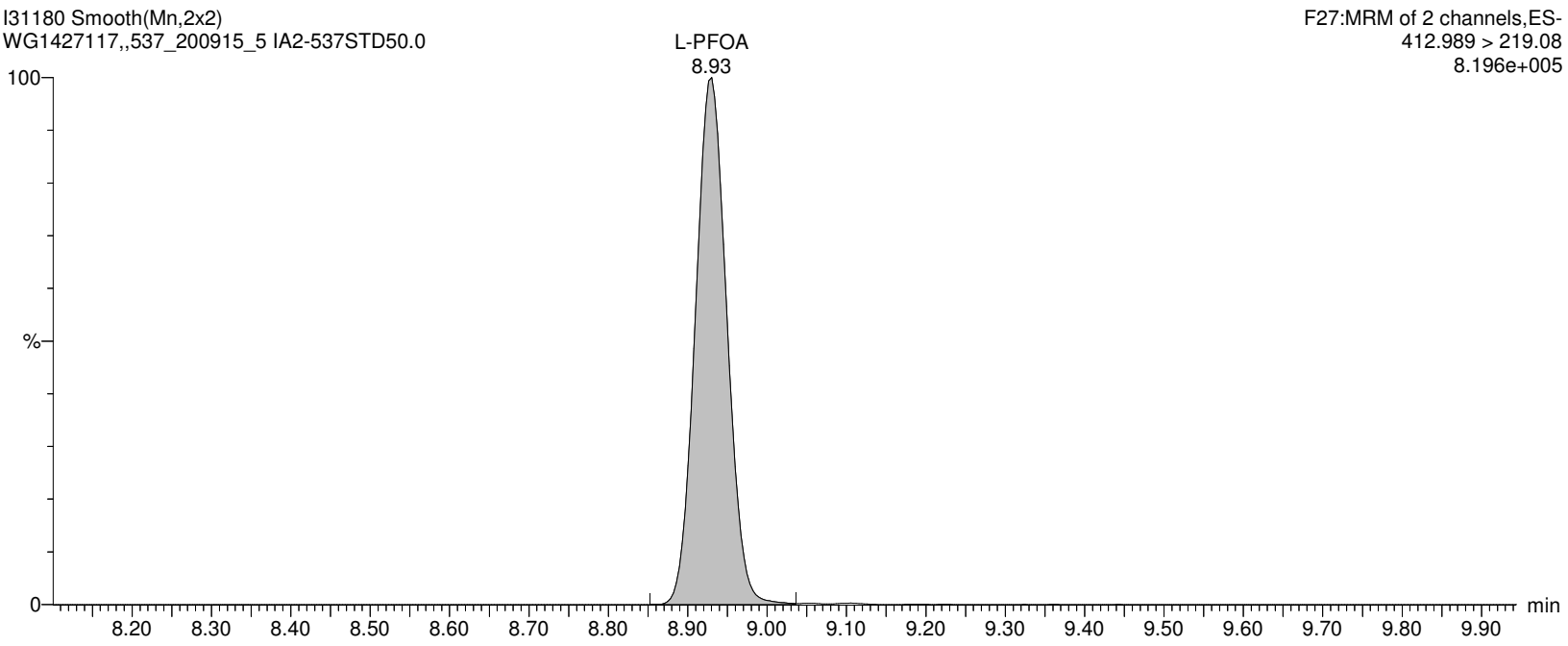

all concentration units in (ng/mL)

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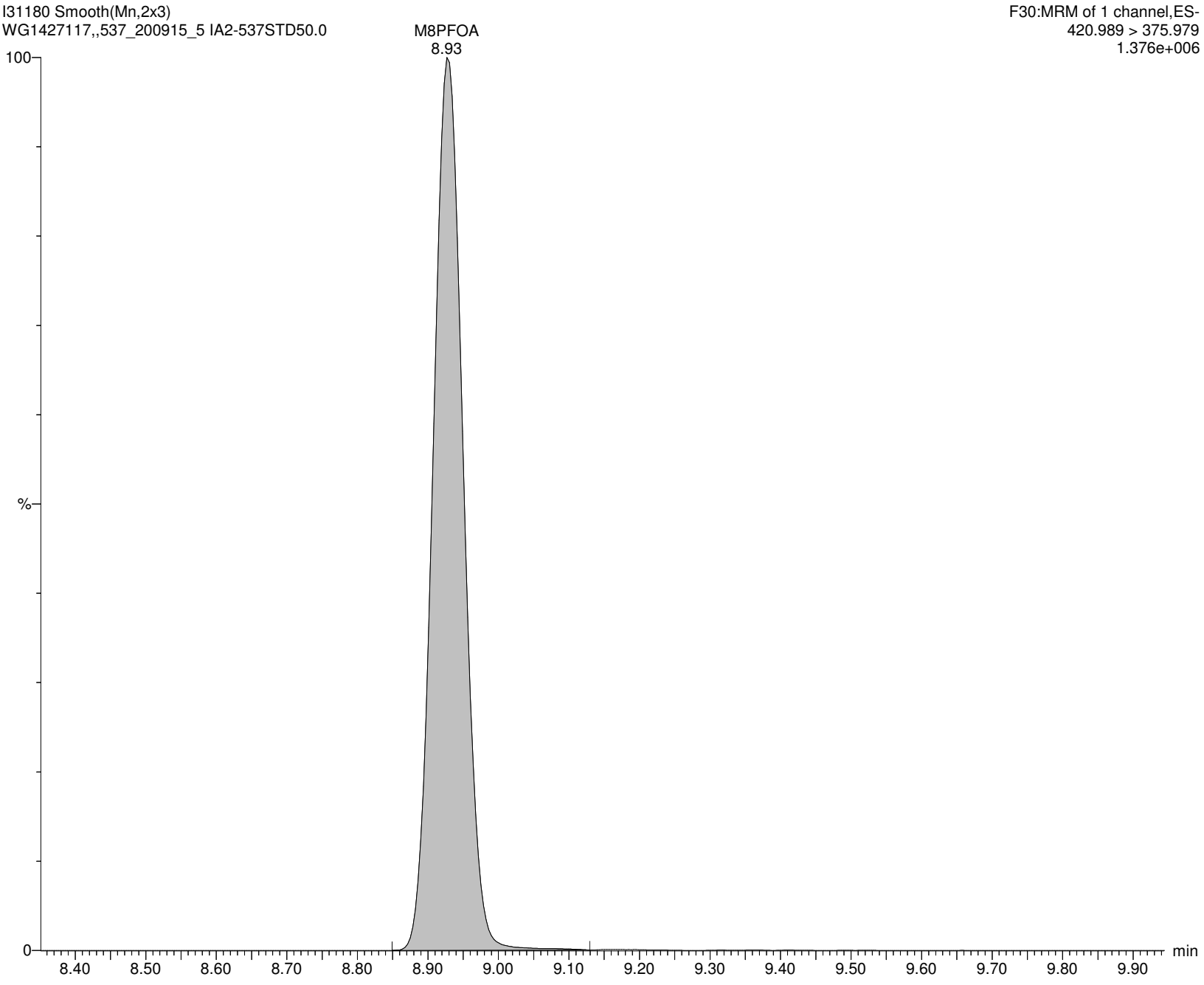

all concentration units in (ng/mL)

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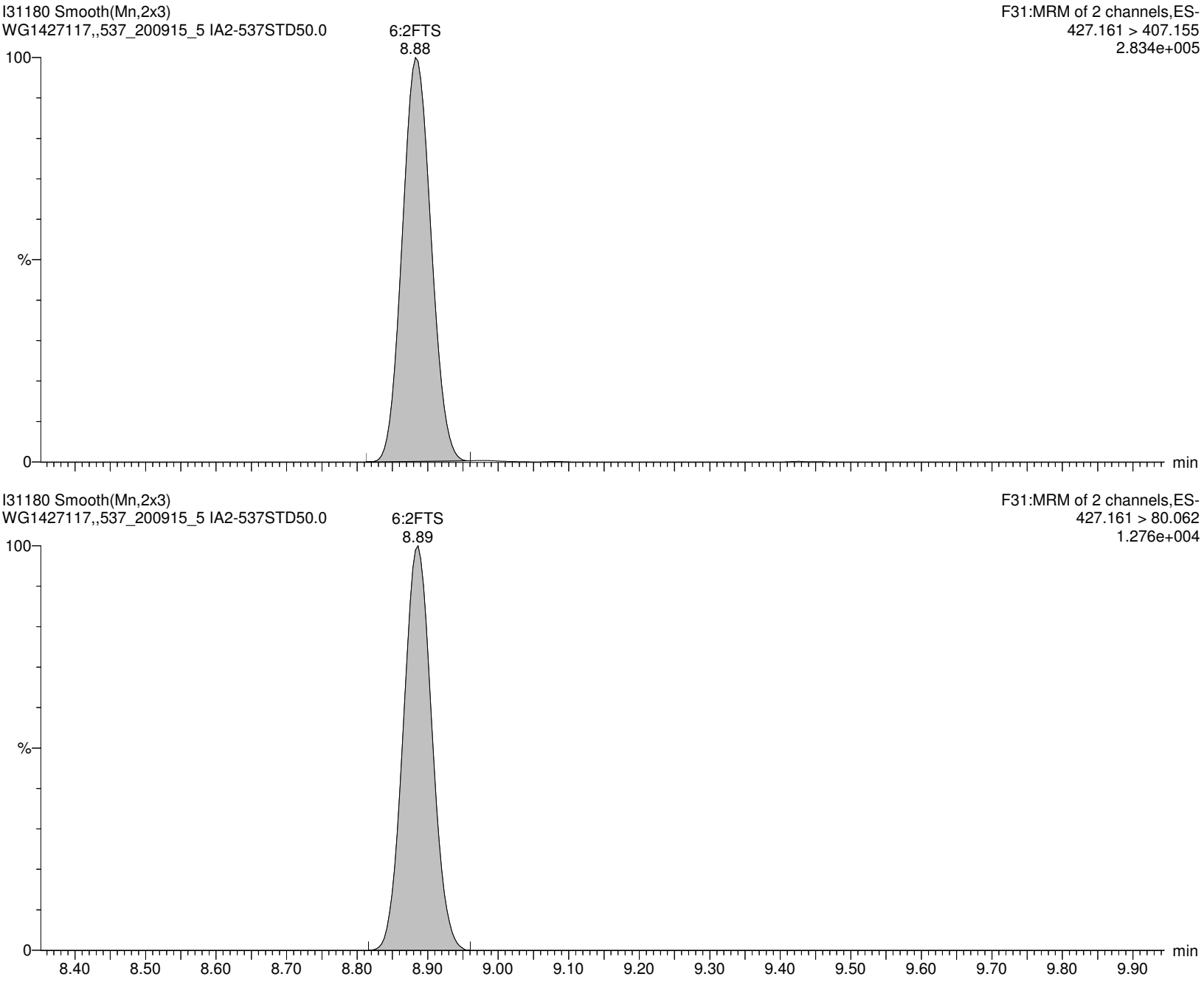

all concentration units in (ng/mL)

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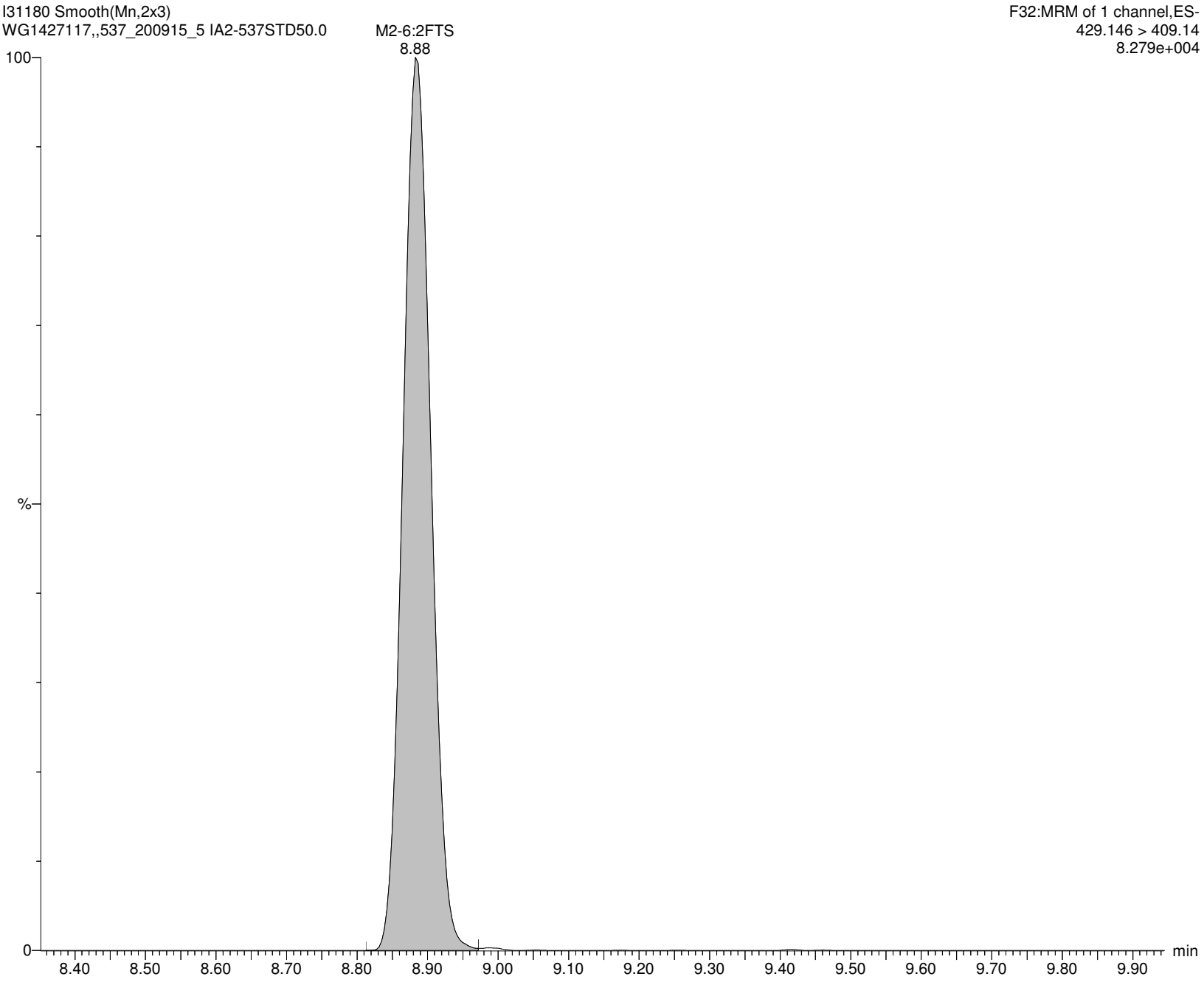

all concentration units in (ng/mL)

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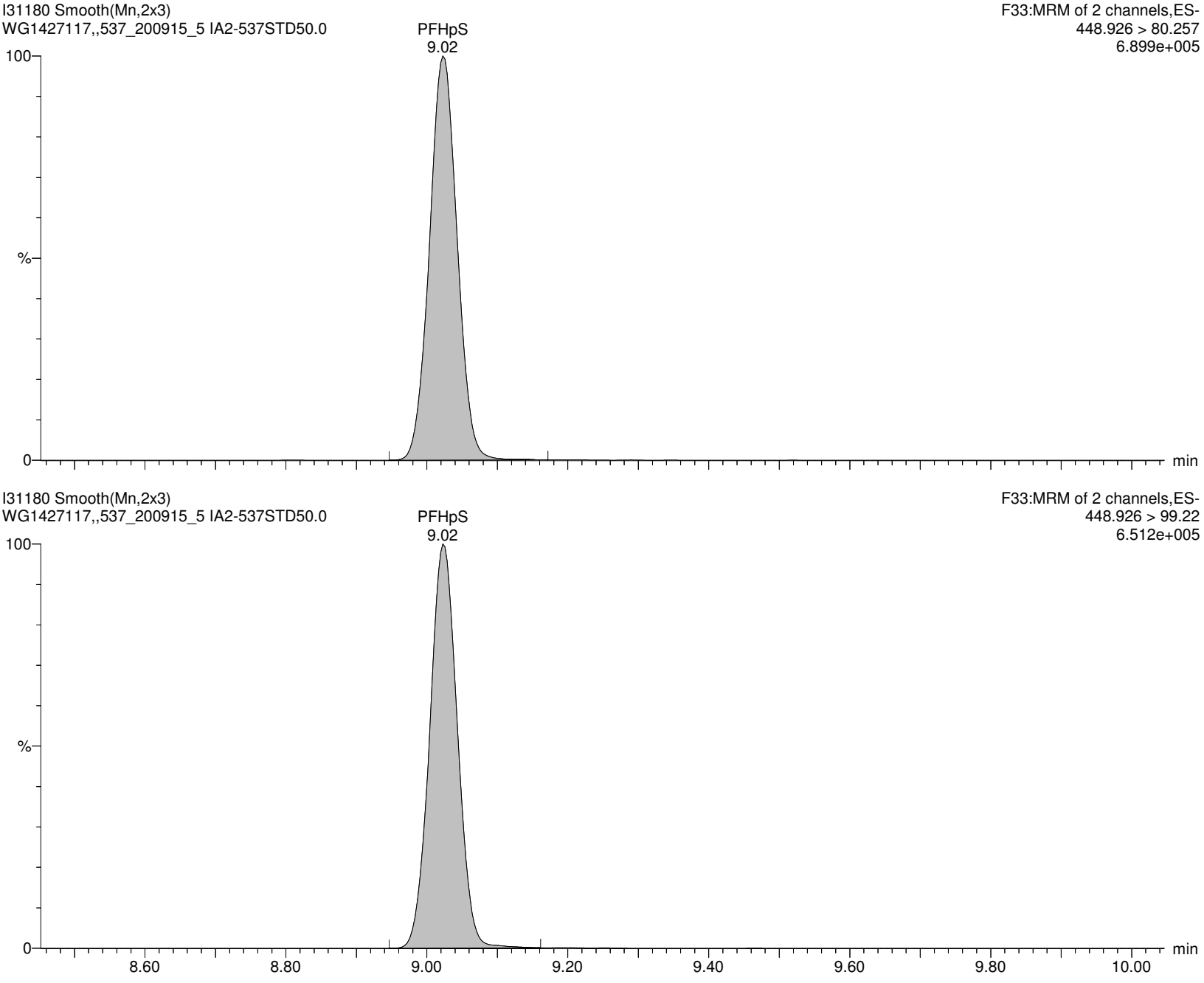

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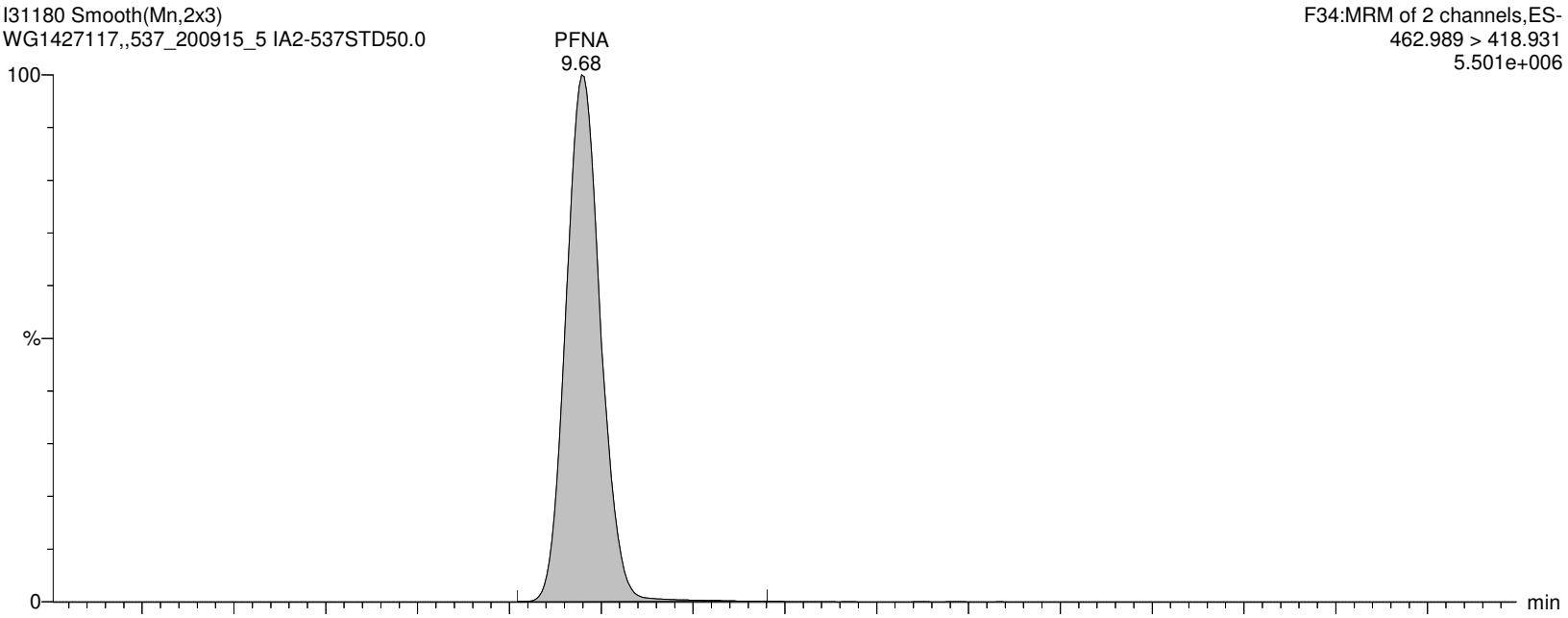

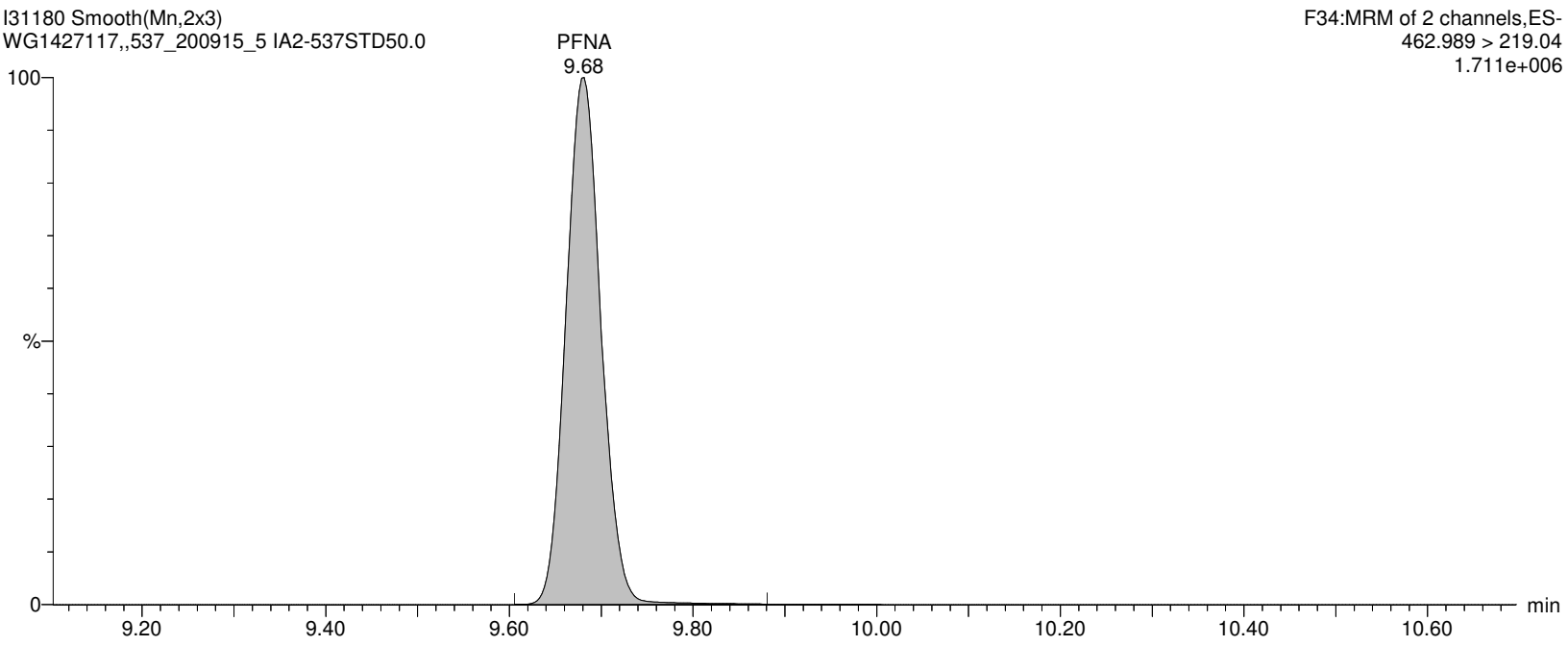

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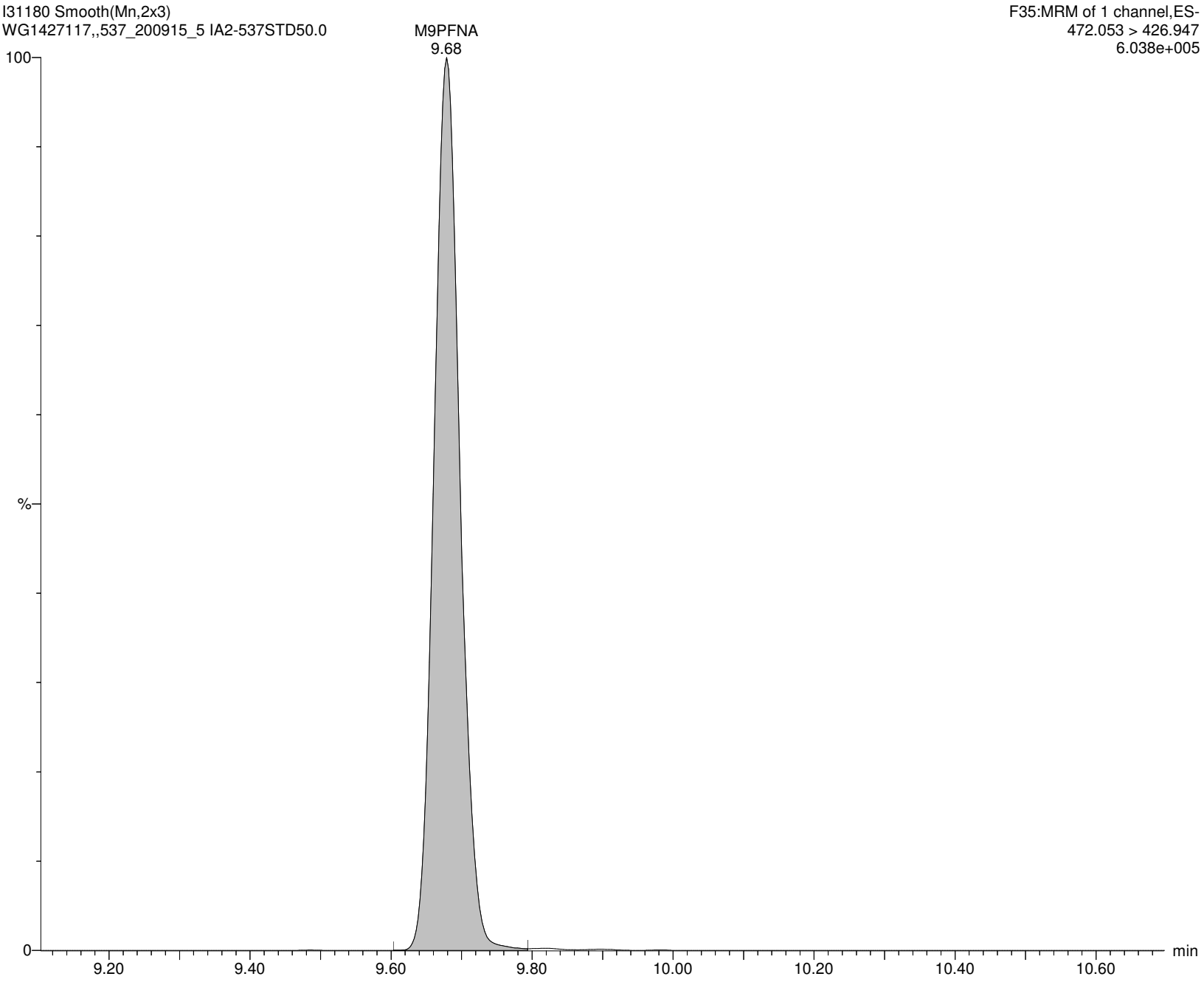

all concentration units in (ng/mL)

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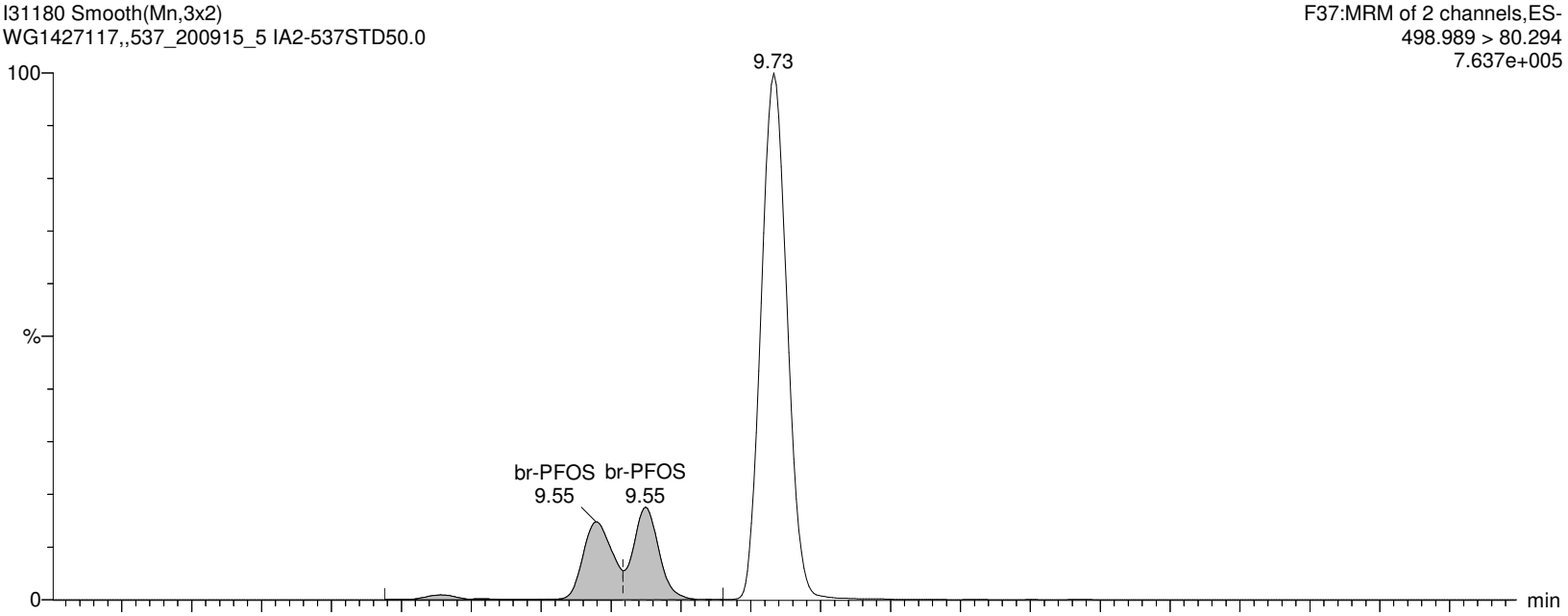

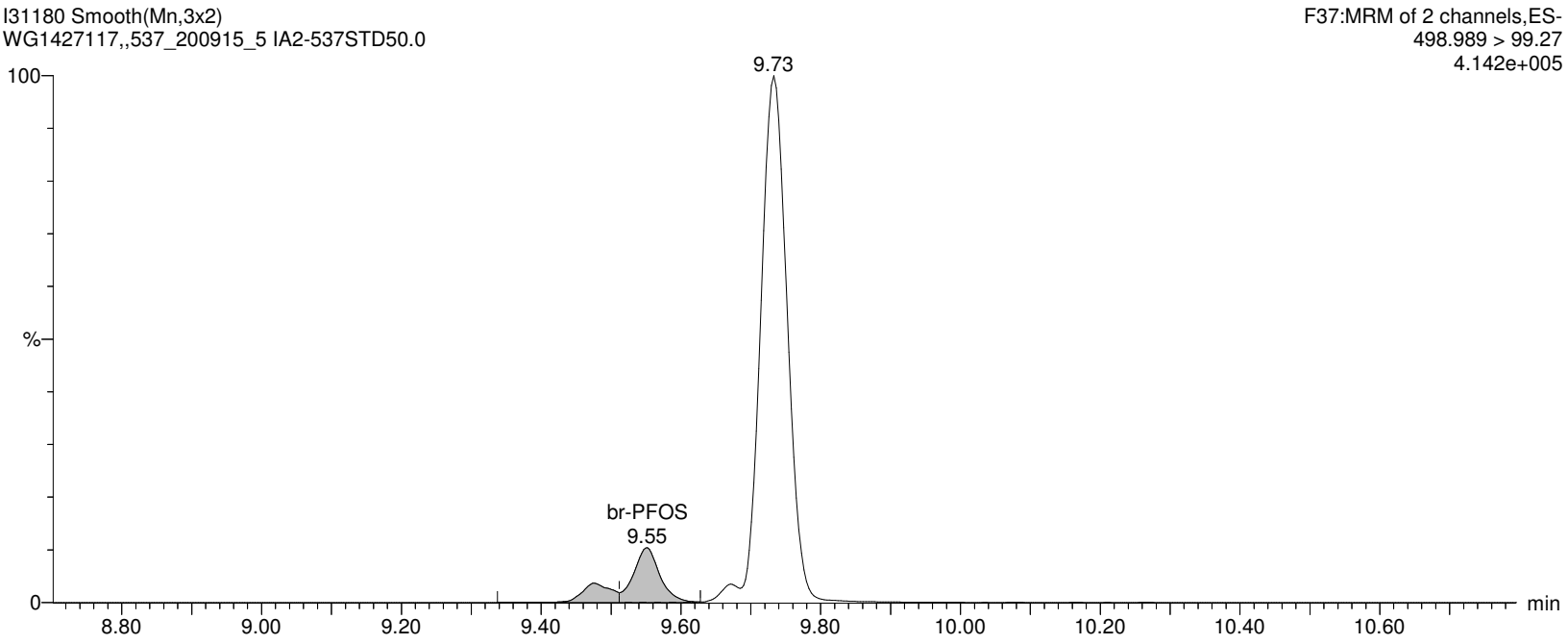

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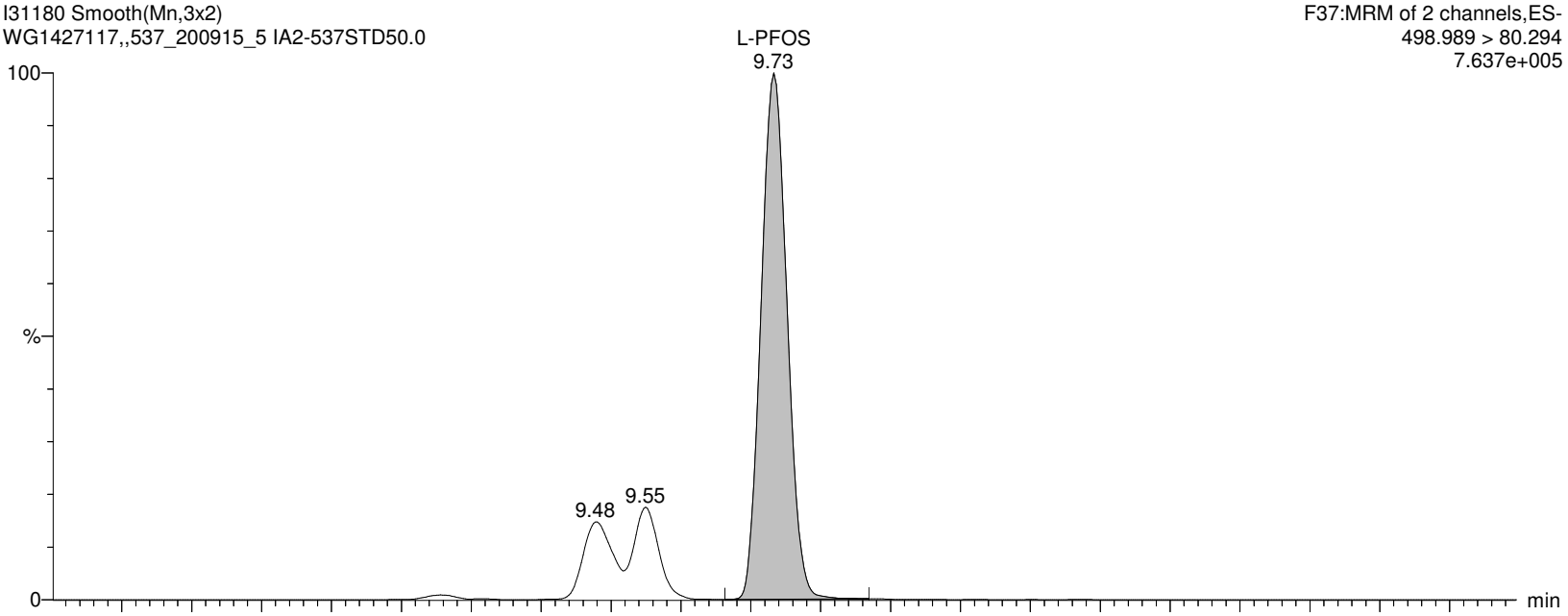

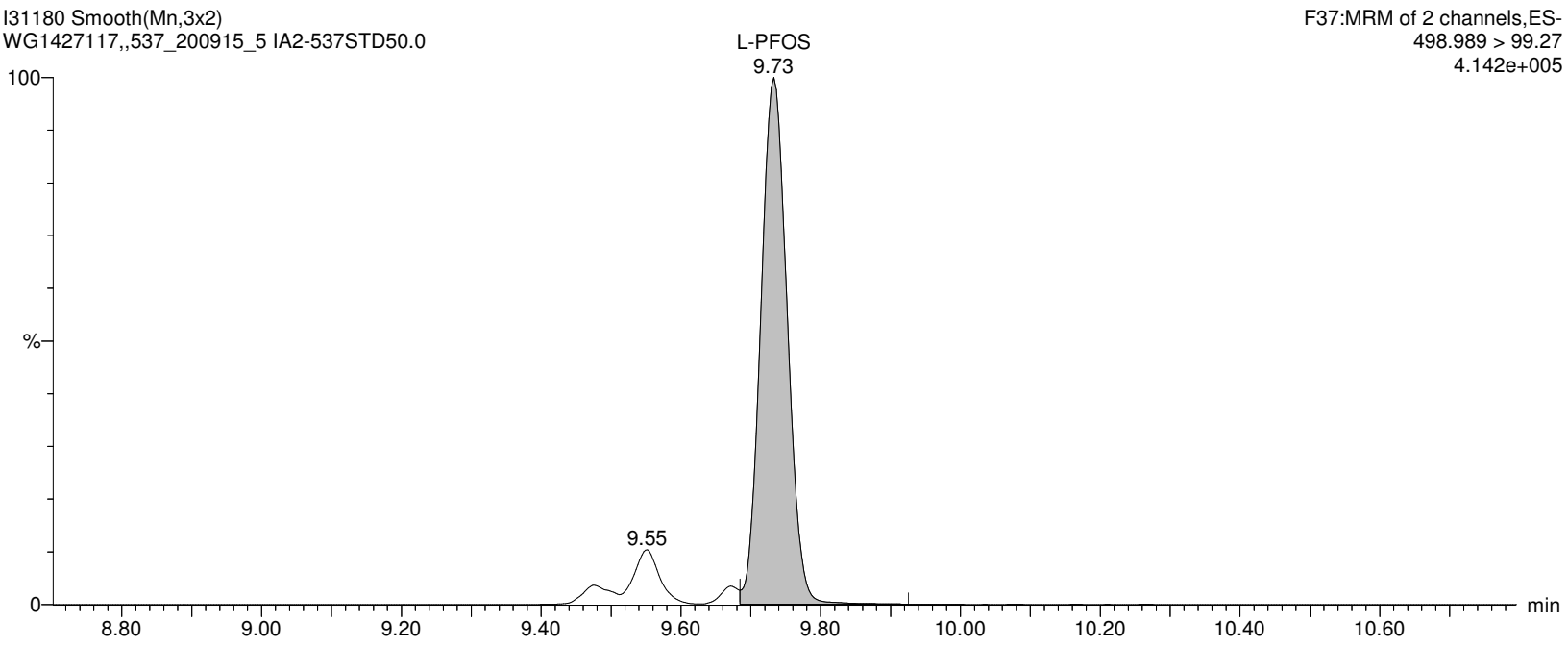

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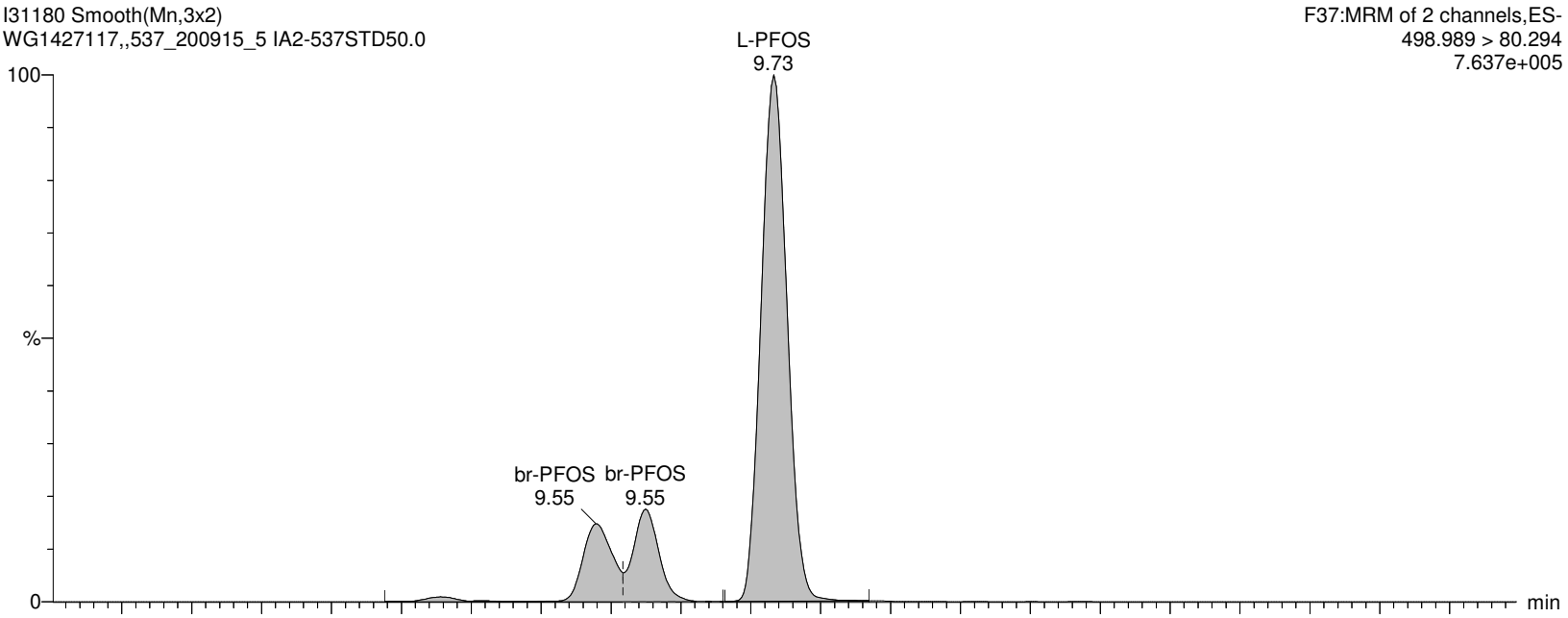

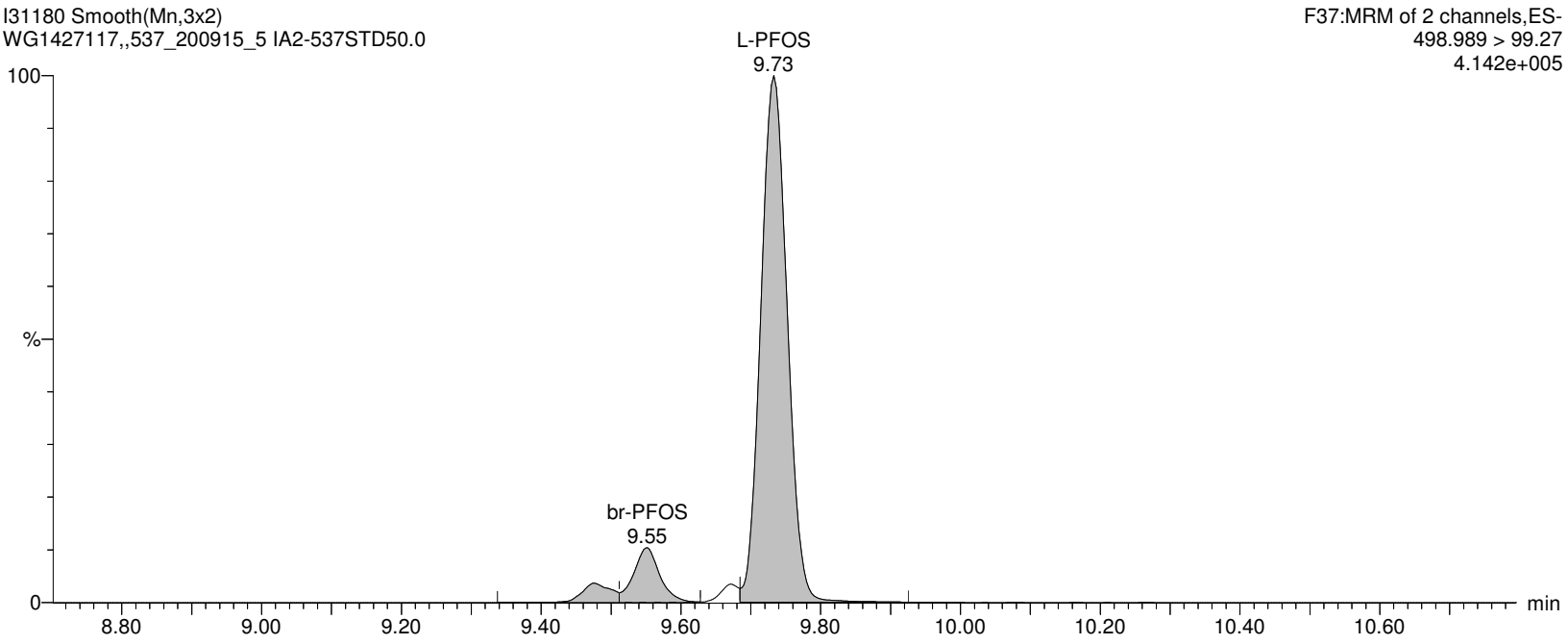

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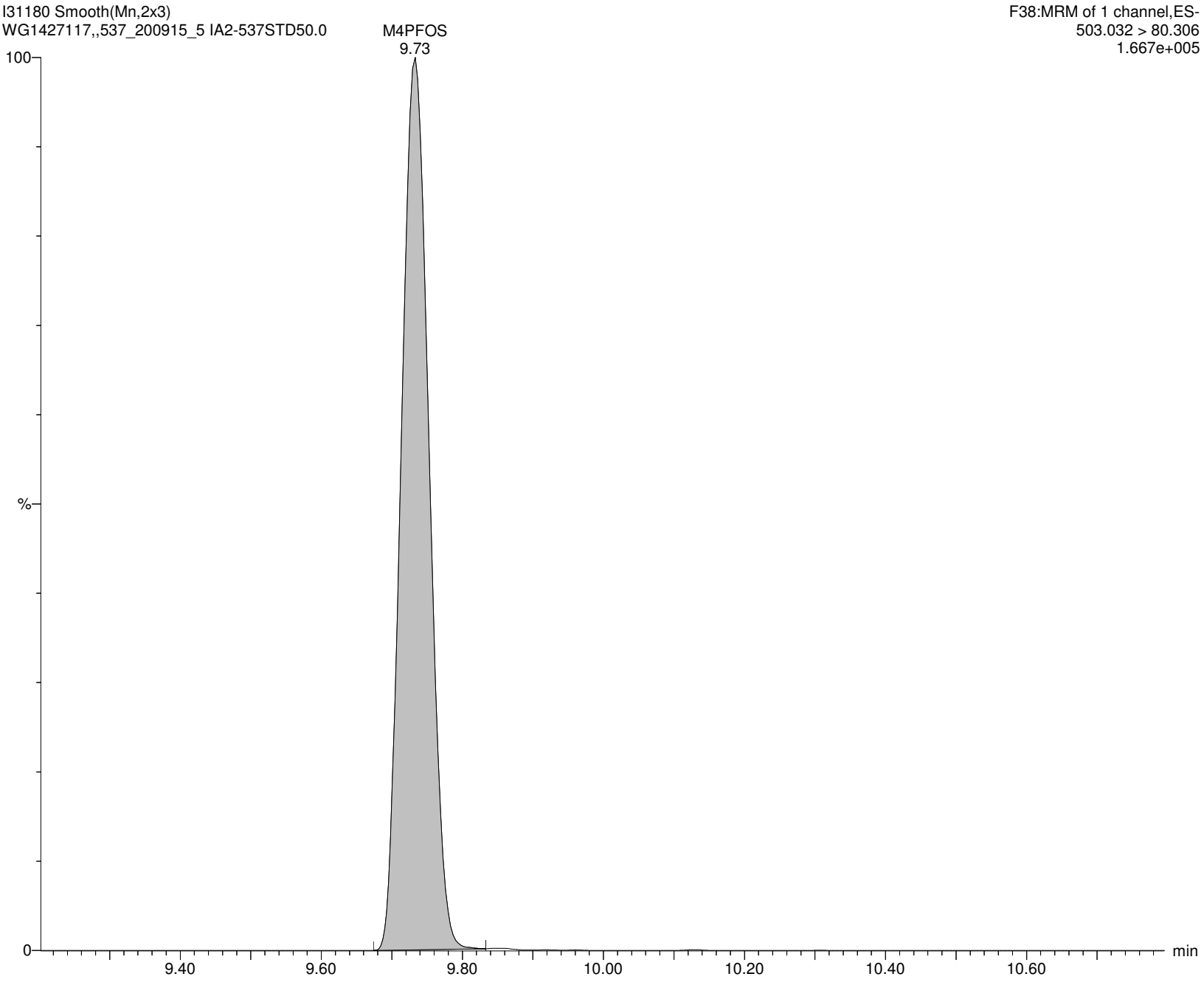

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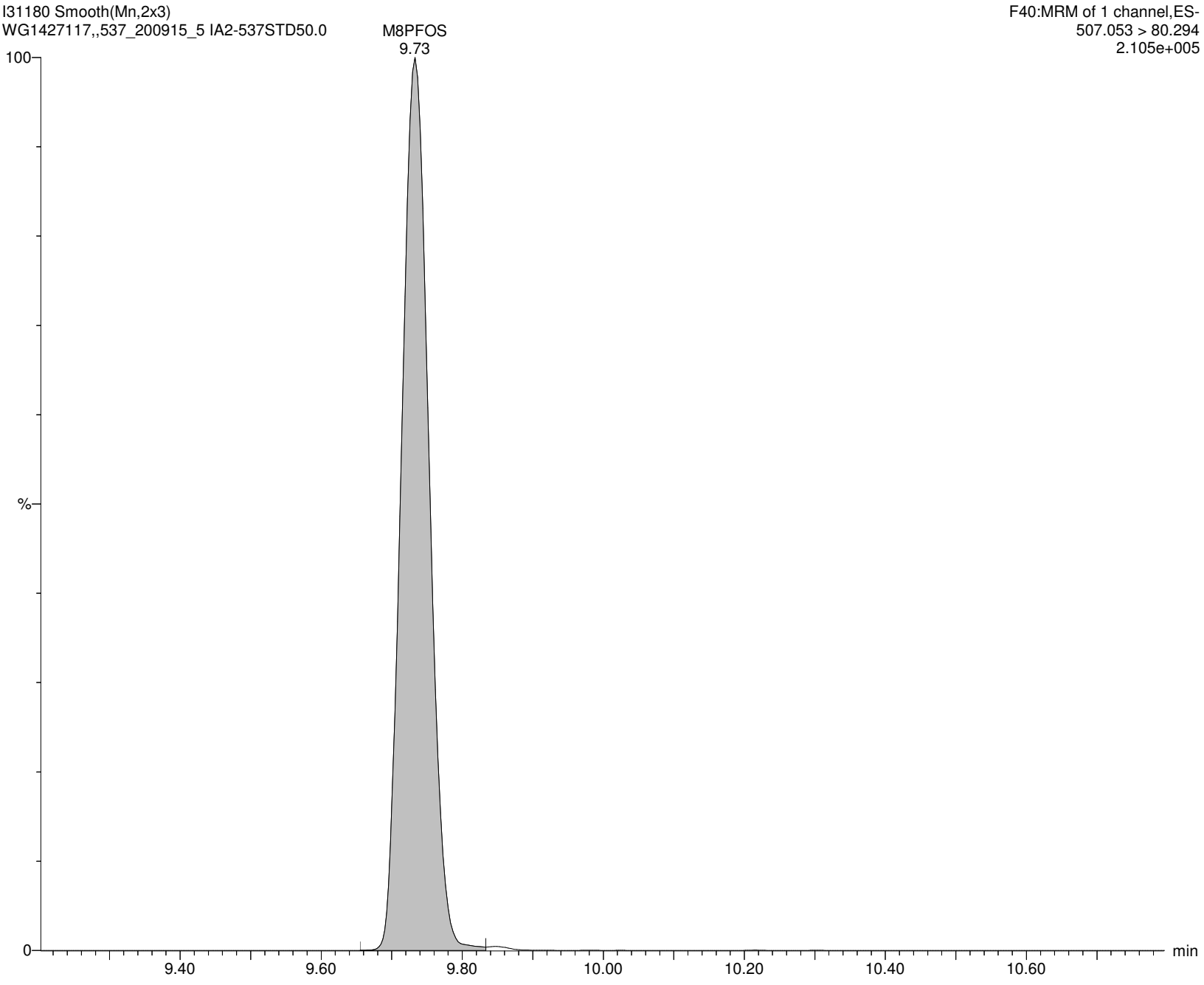

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:15:54 Eastern Daylight Time

Name: I31180
ID: IA2-537STD50.0
Date: 27-Oct-2020
Time: 18:46:51
Description: WG1427117,,537_200915_5
User: LCMS02:JW
Vial: 1:A,6
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\200520_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

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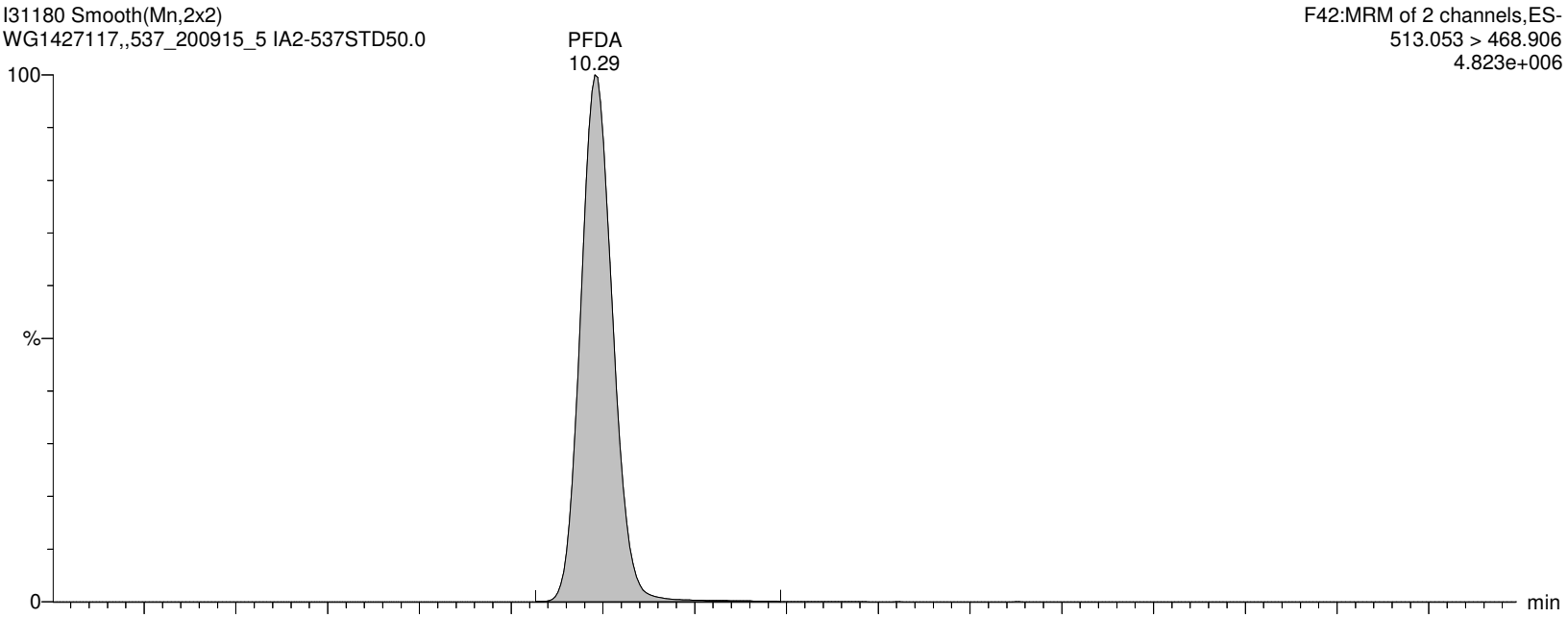

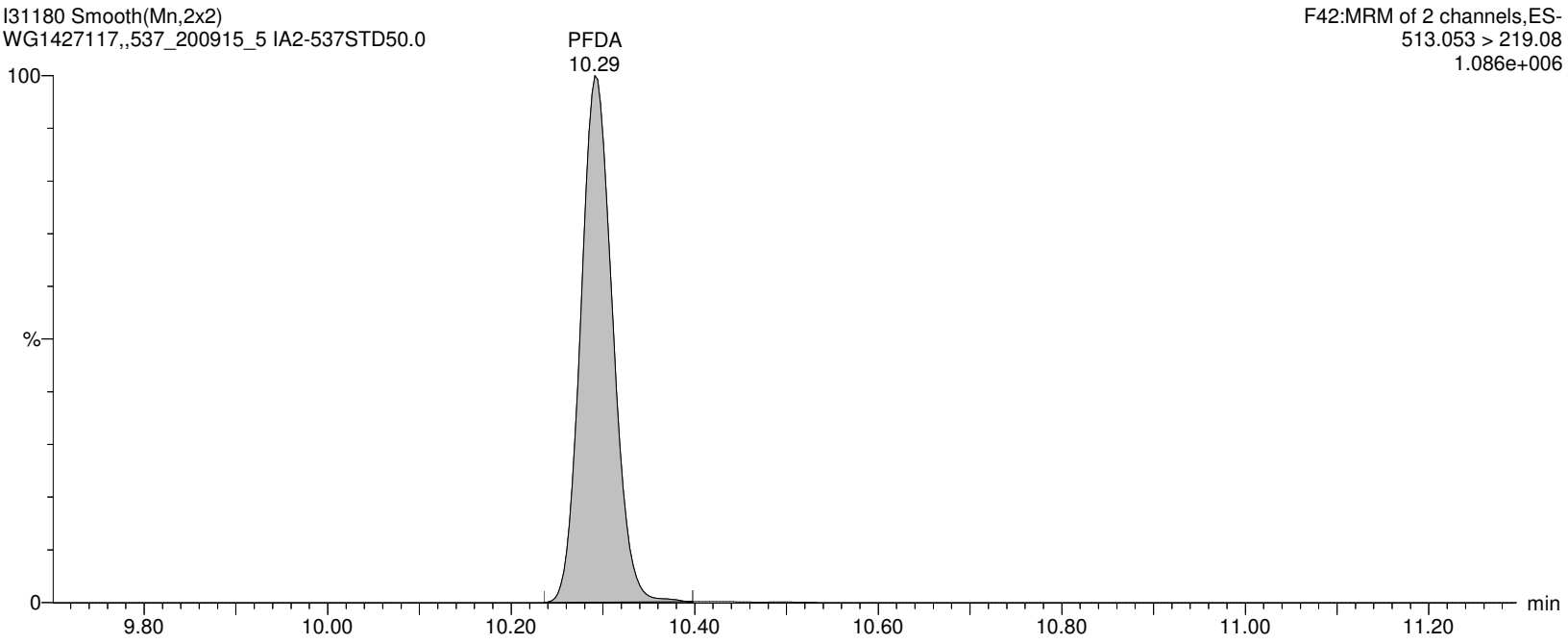

all concentration units in (ng/mL)

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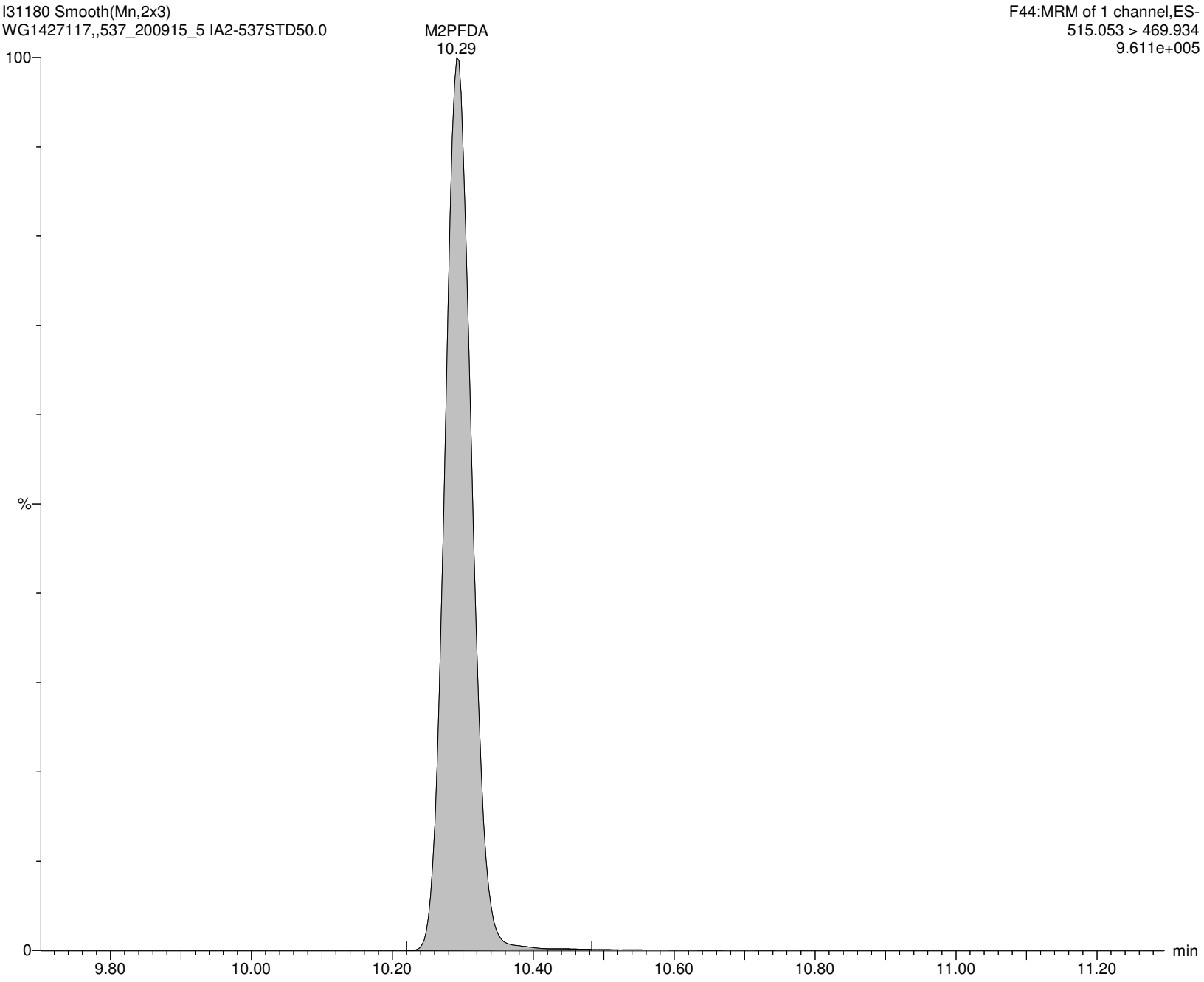

all concentration units in (ng/mL)

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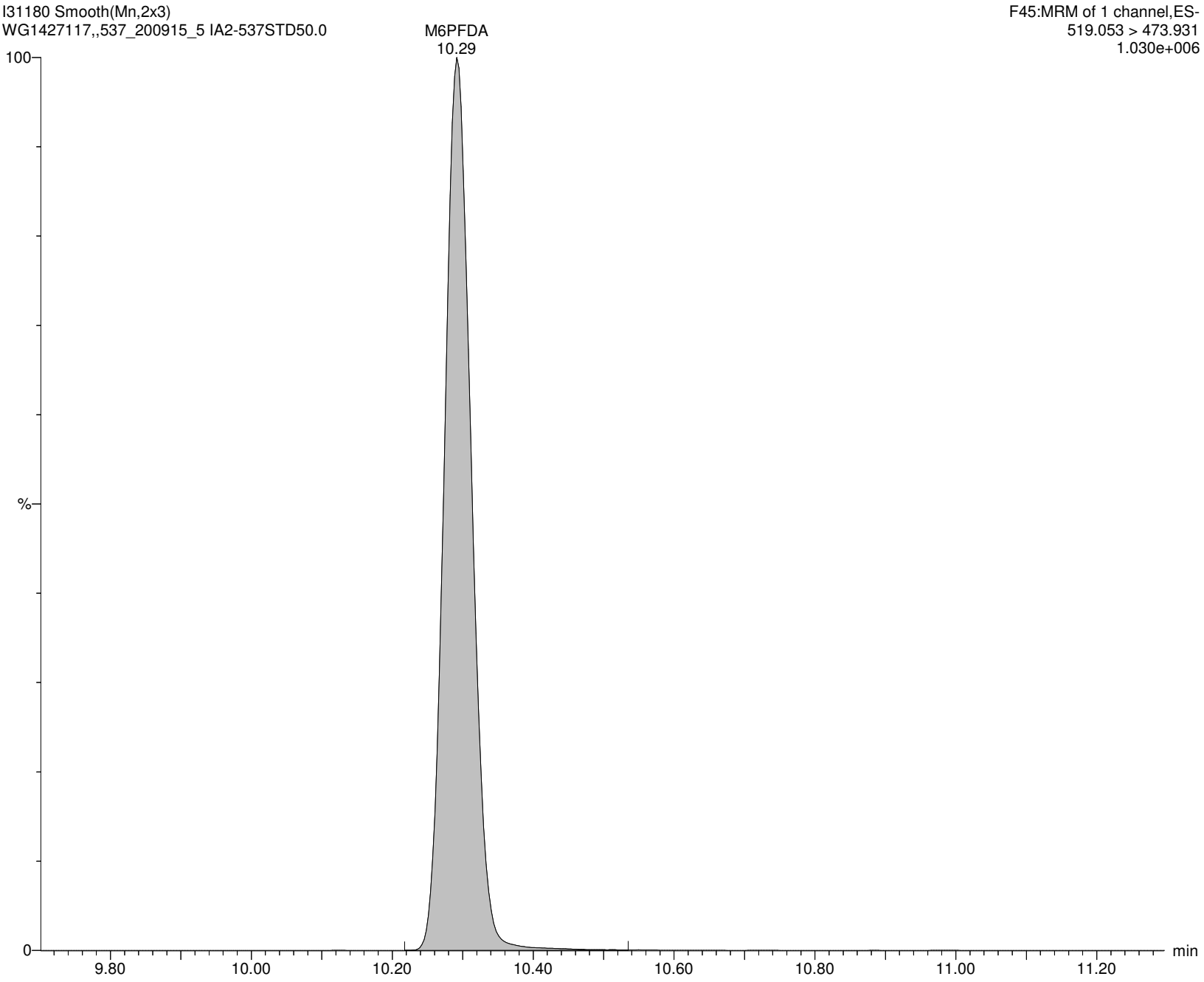

all concentration units in (ng/mL)

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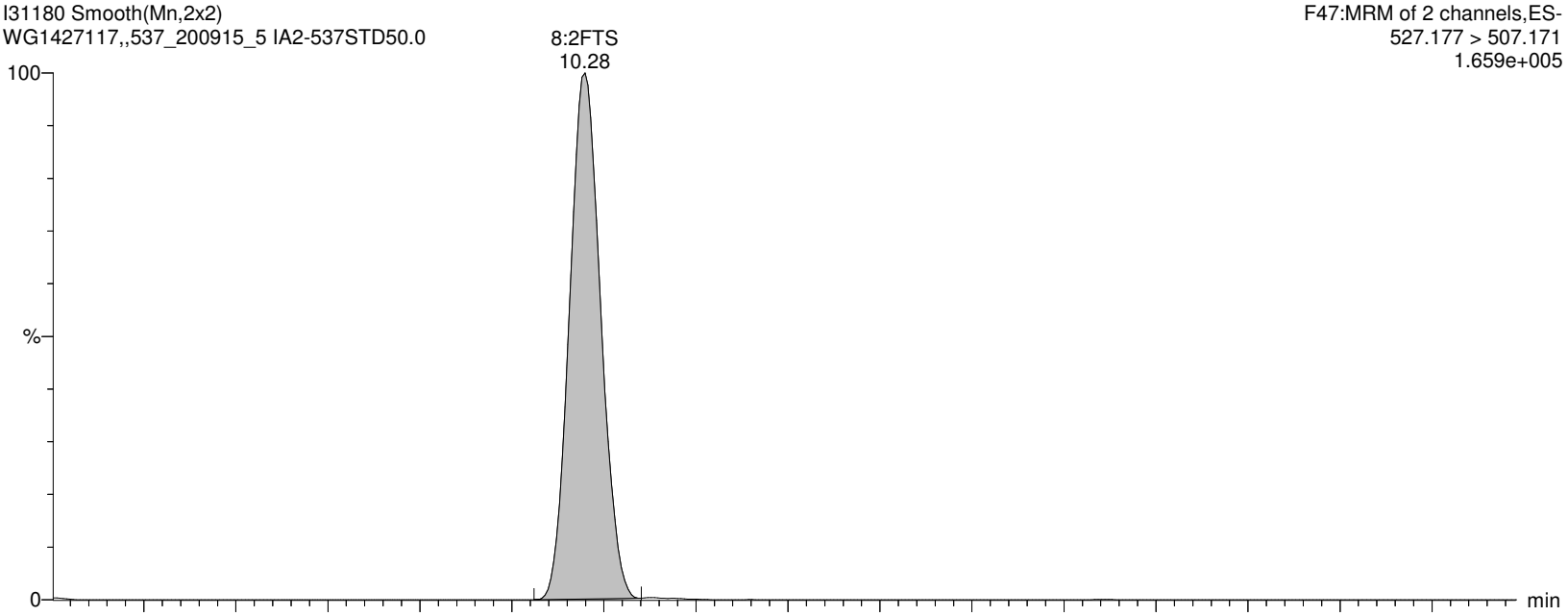

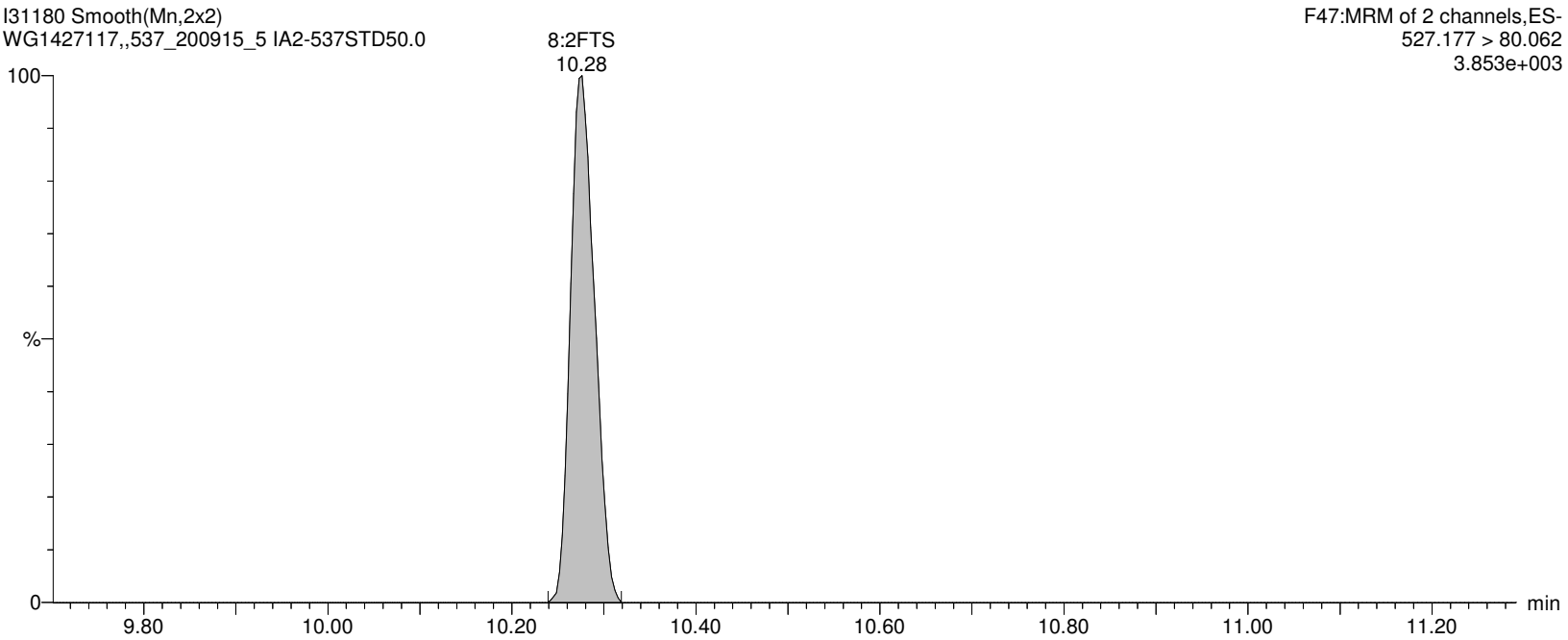

all concentration units in (ng/mL)

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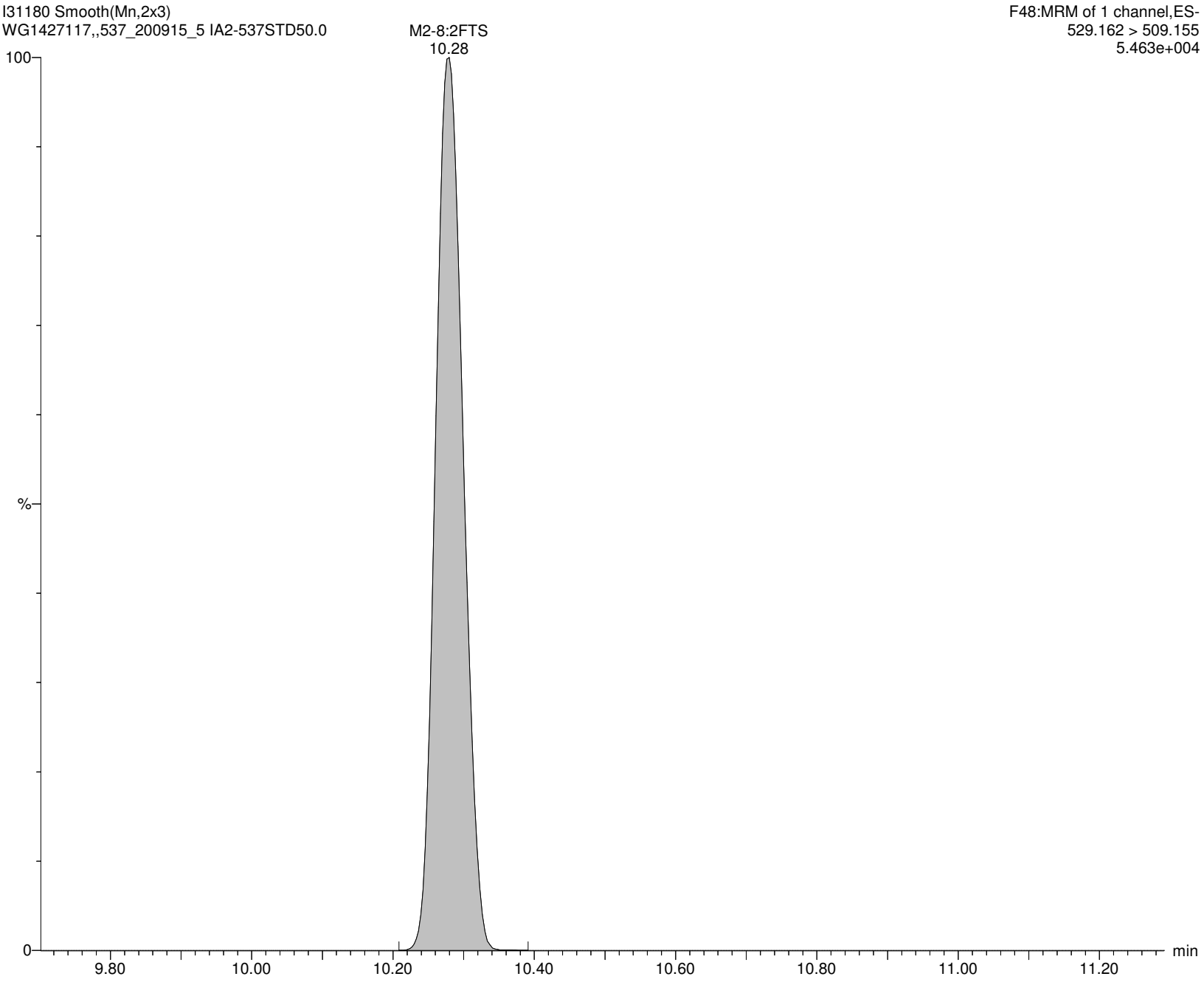
M2-8:2FTS



all concentration units in (ng/mL)

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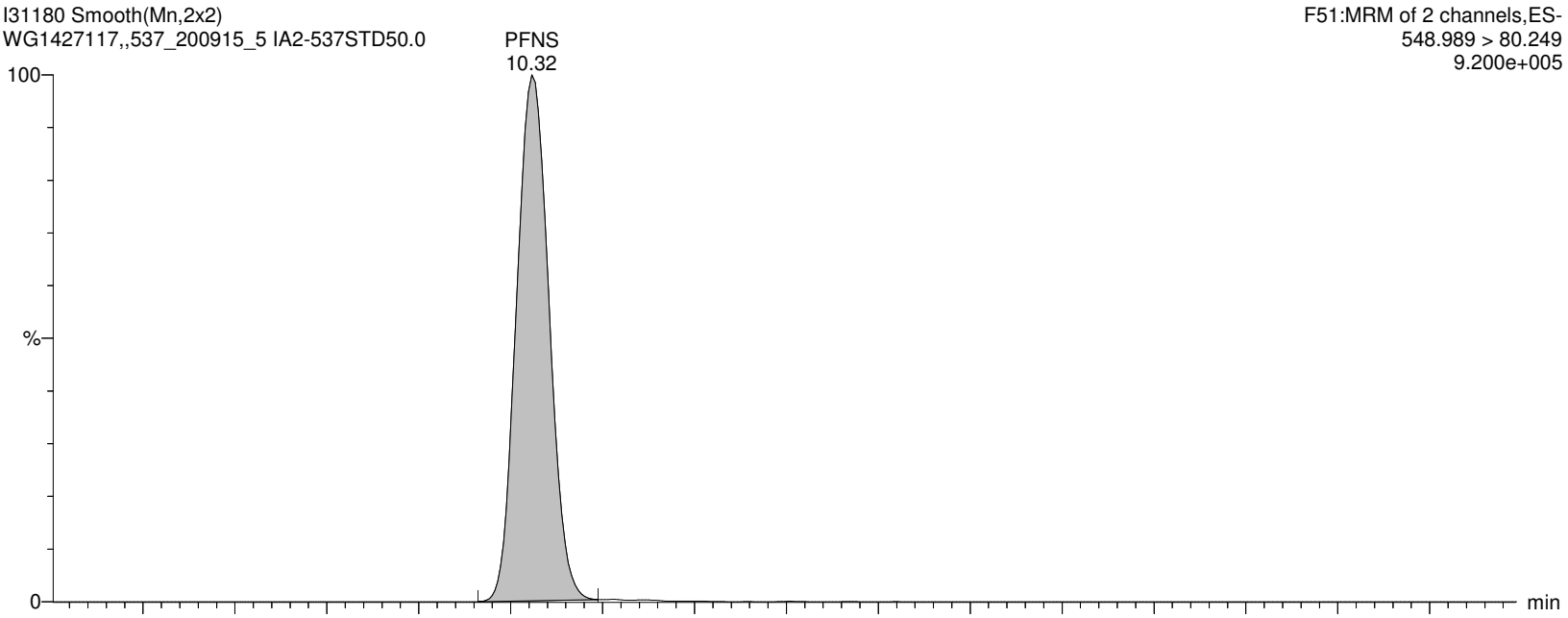

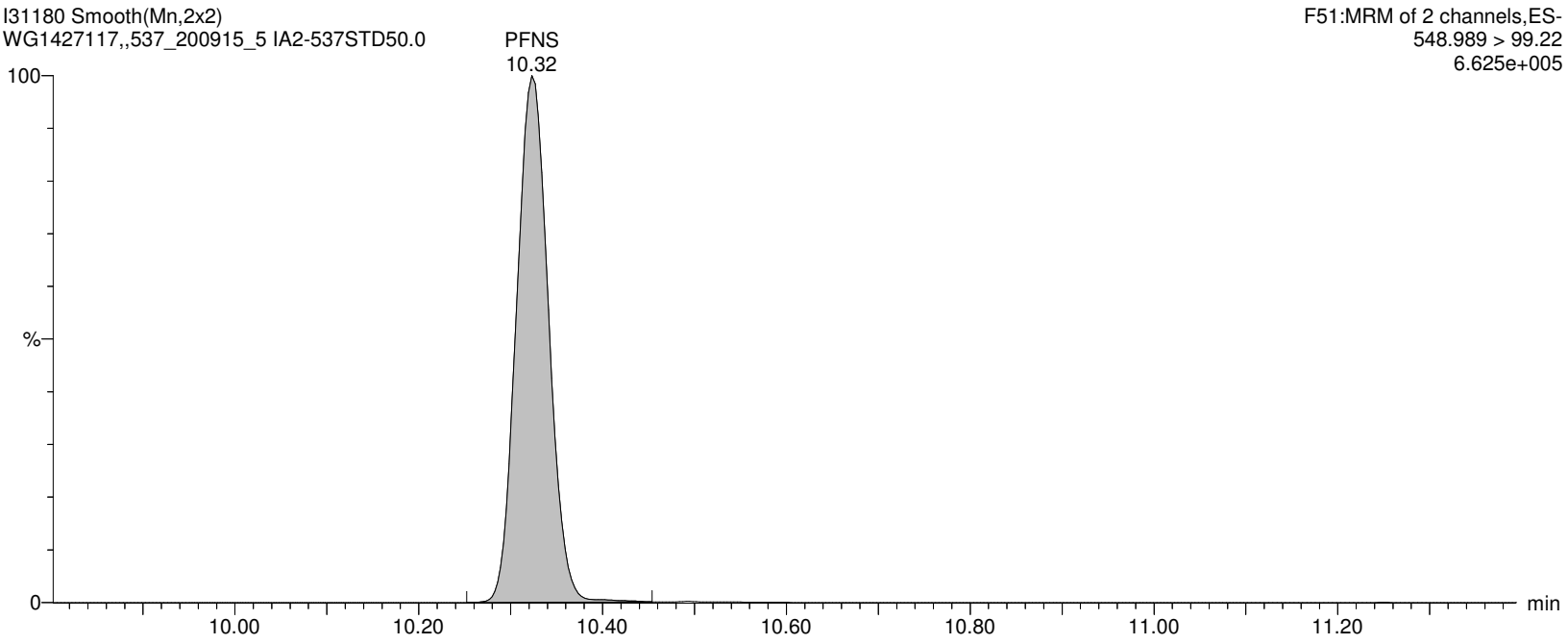

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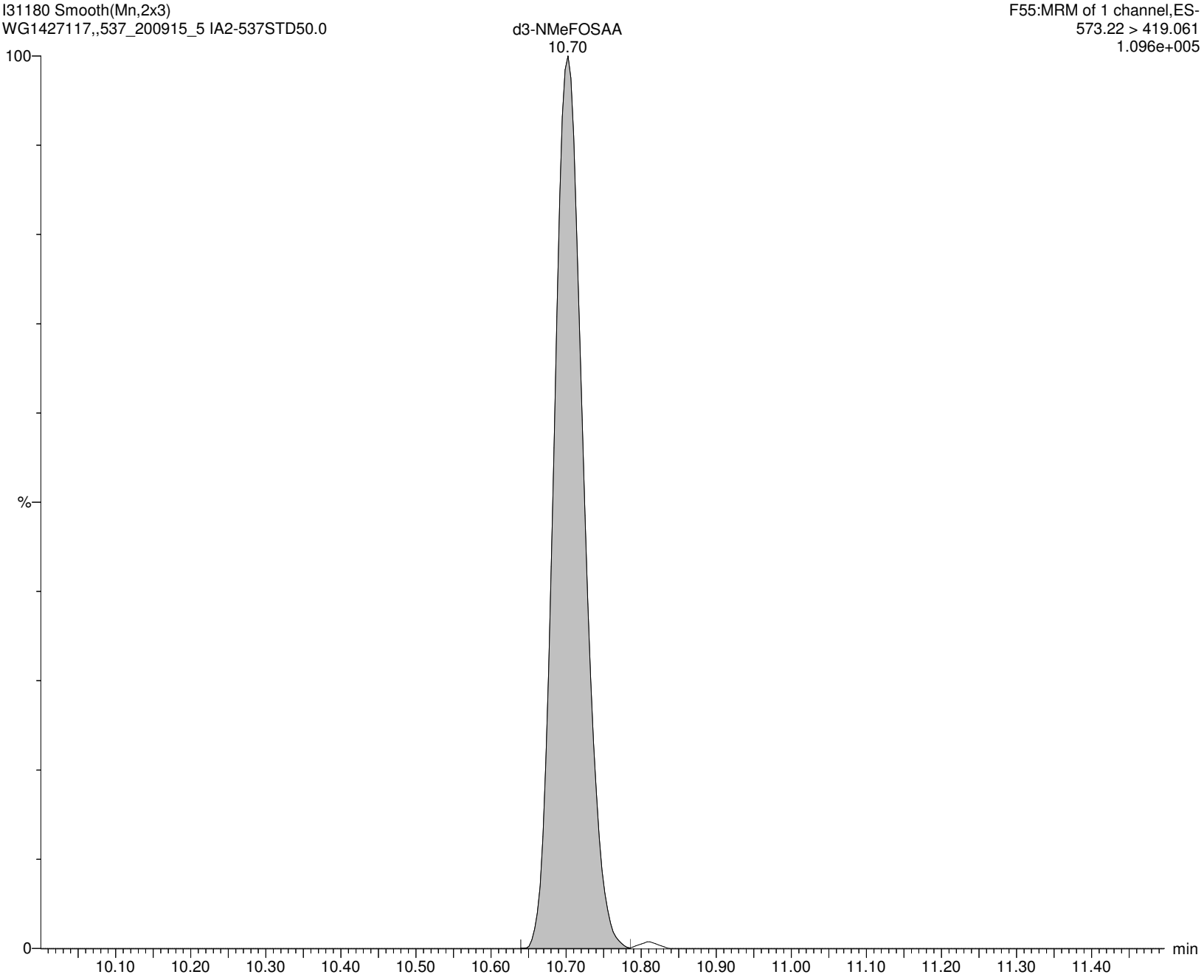
d3-NMeFOSAA



all concentration units in (ng/mL)

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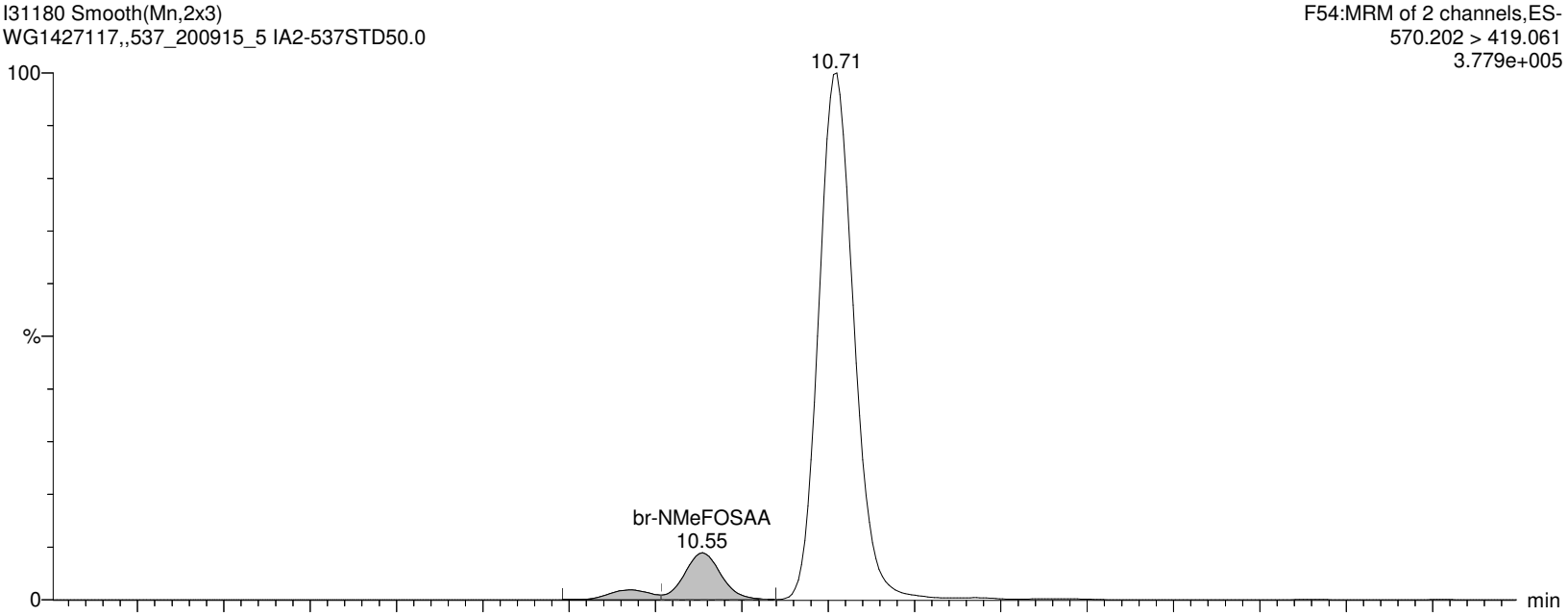
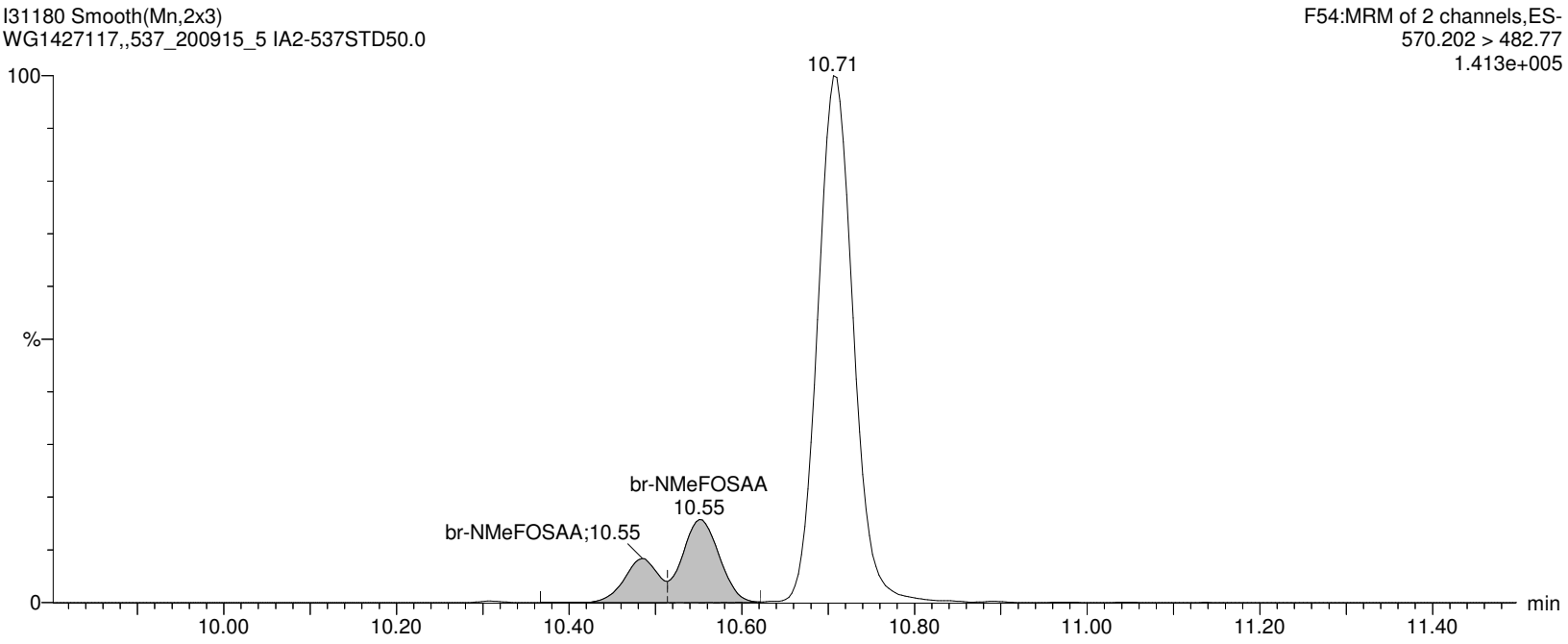
br-NMeFOSAA





all concentration units in (ng/mL)

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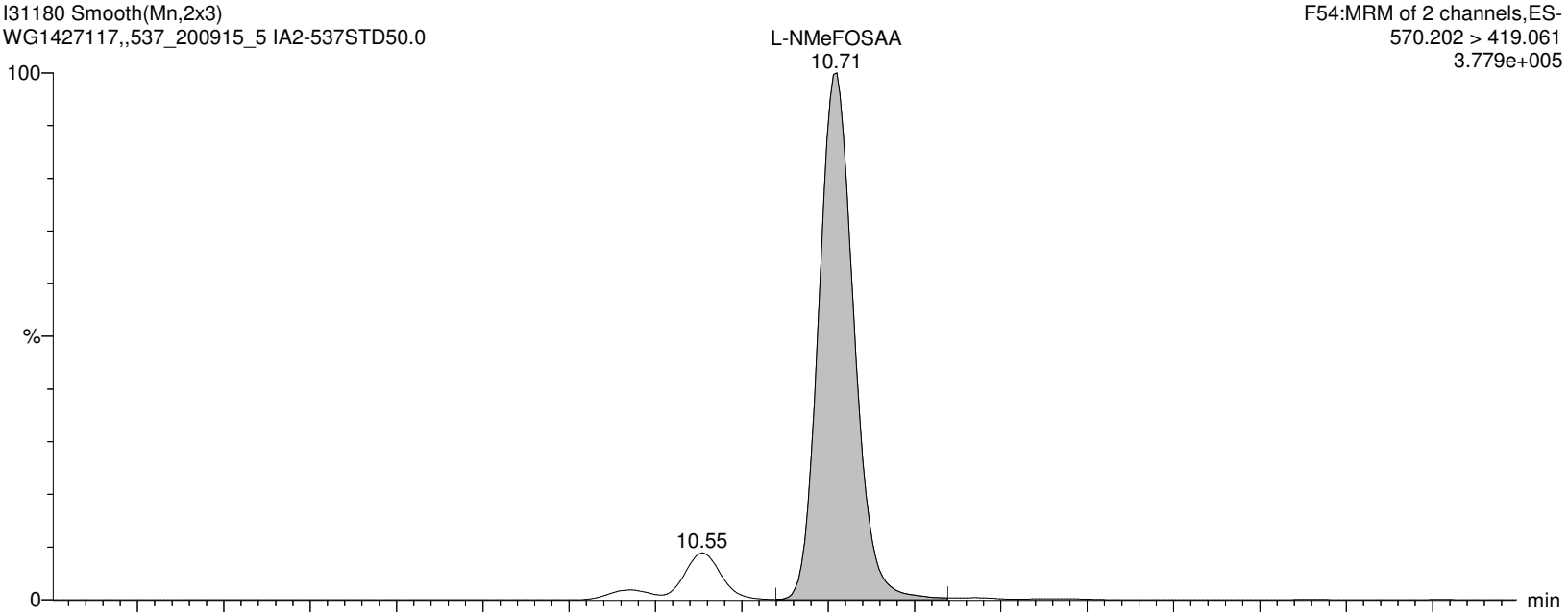
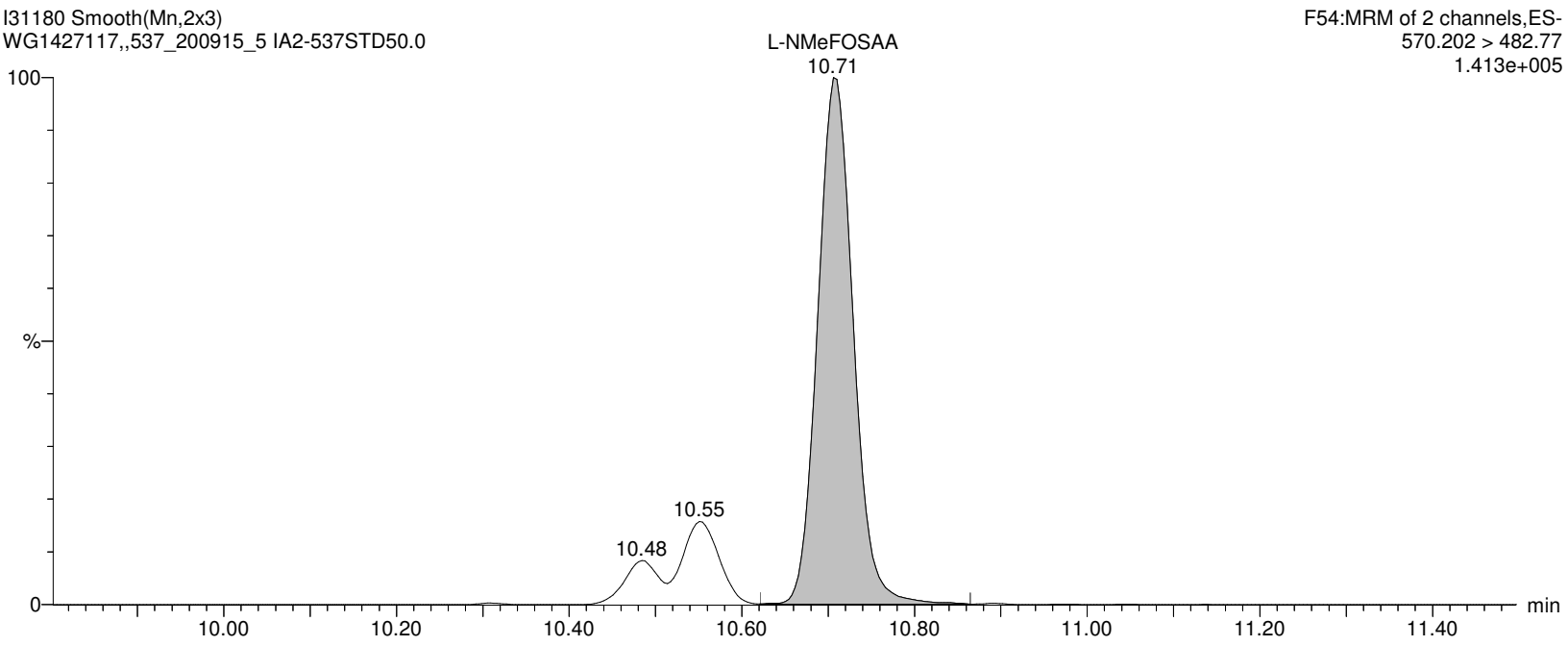
L-NMeFOSAA





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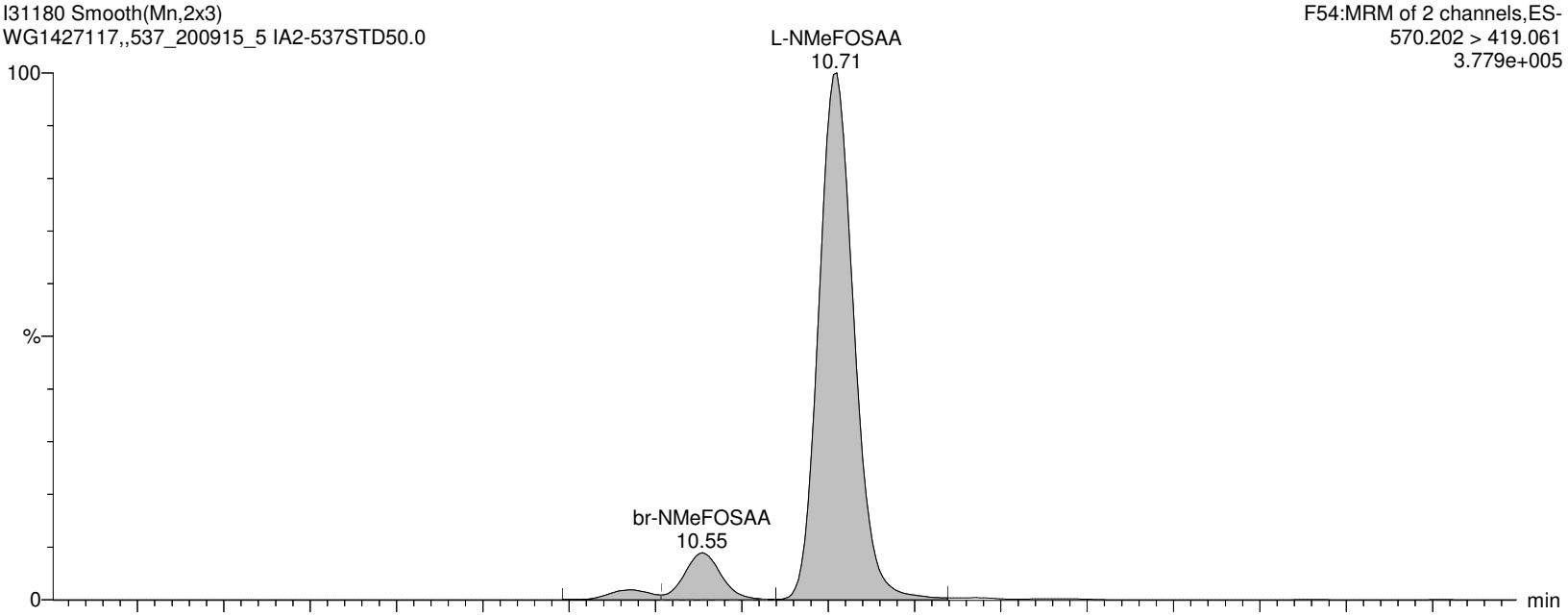

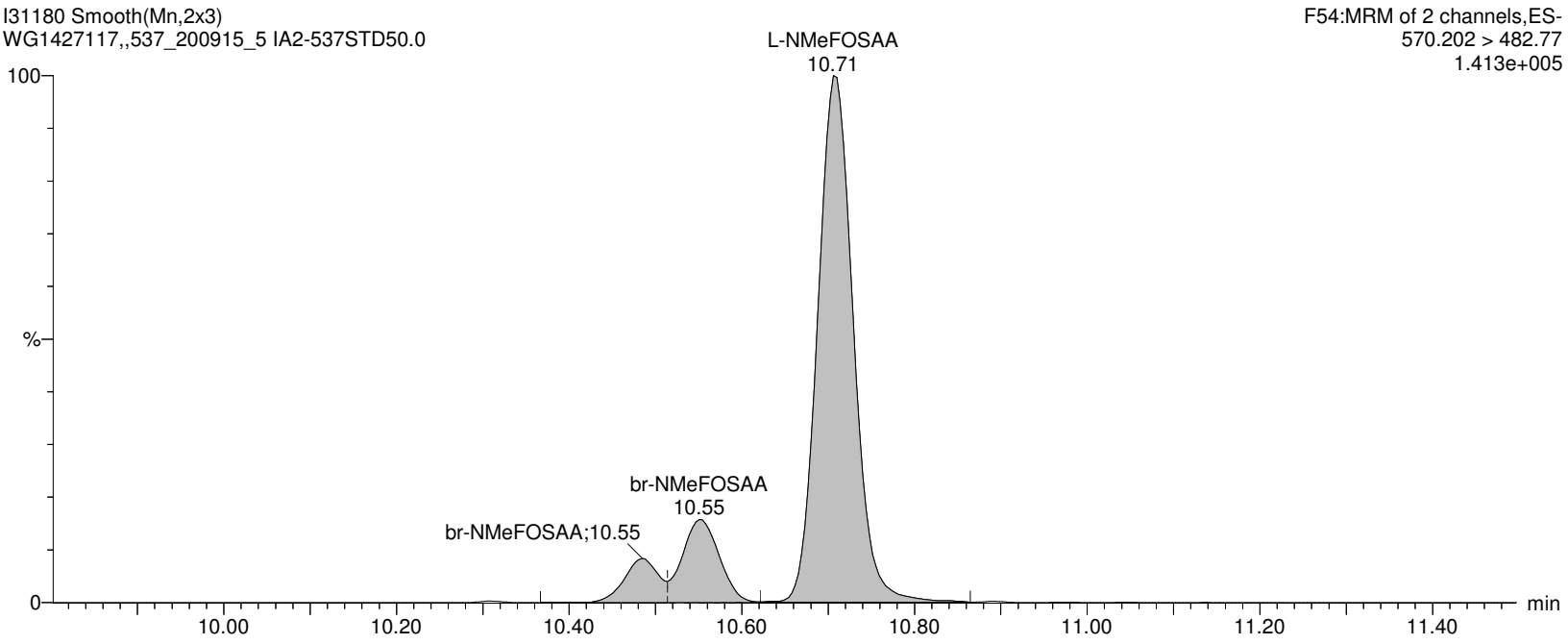

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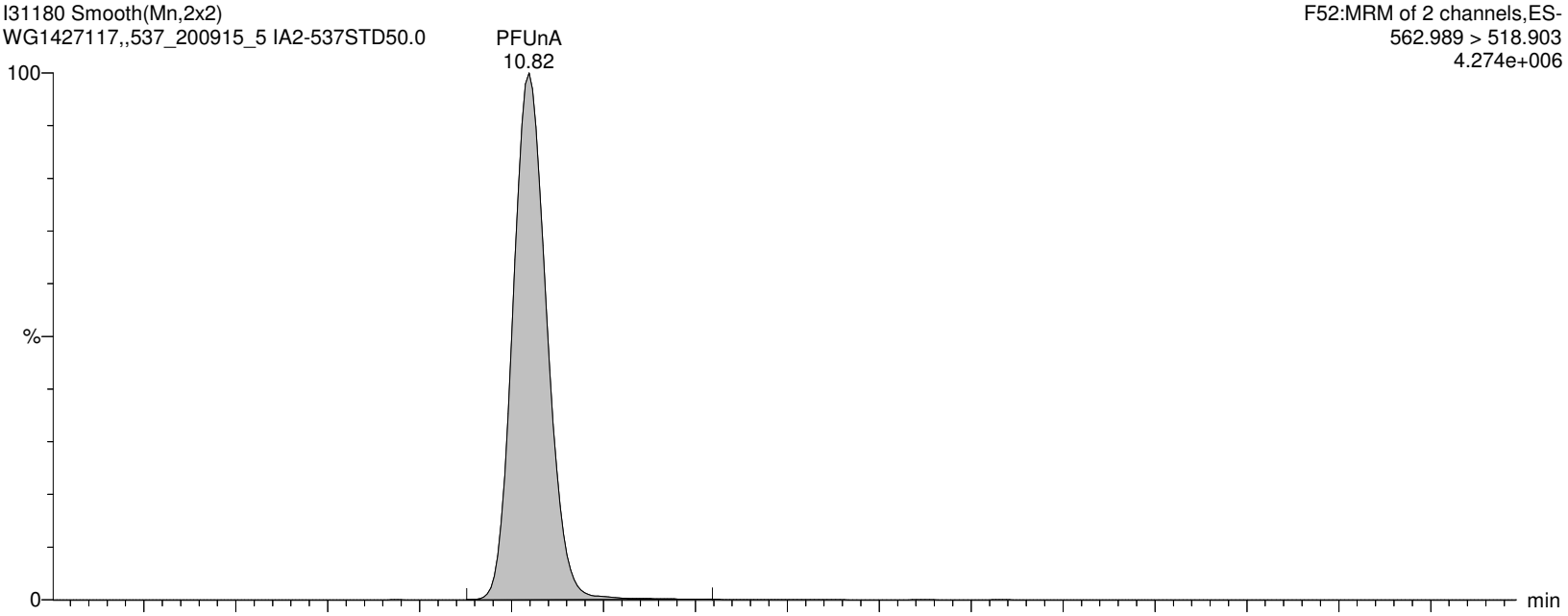

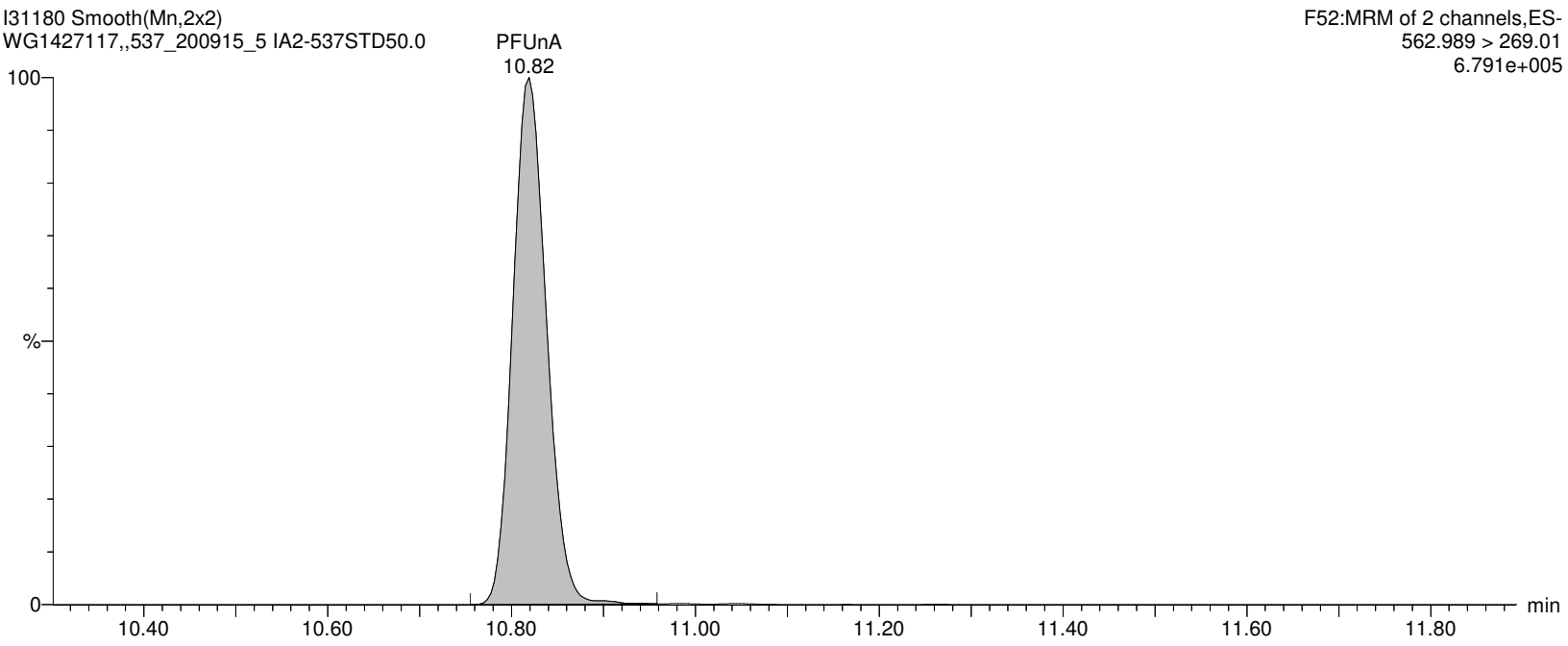

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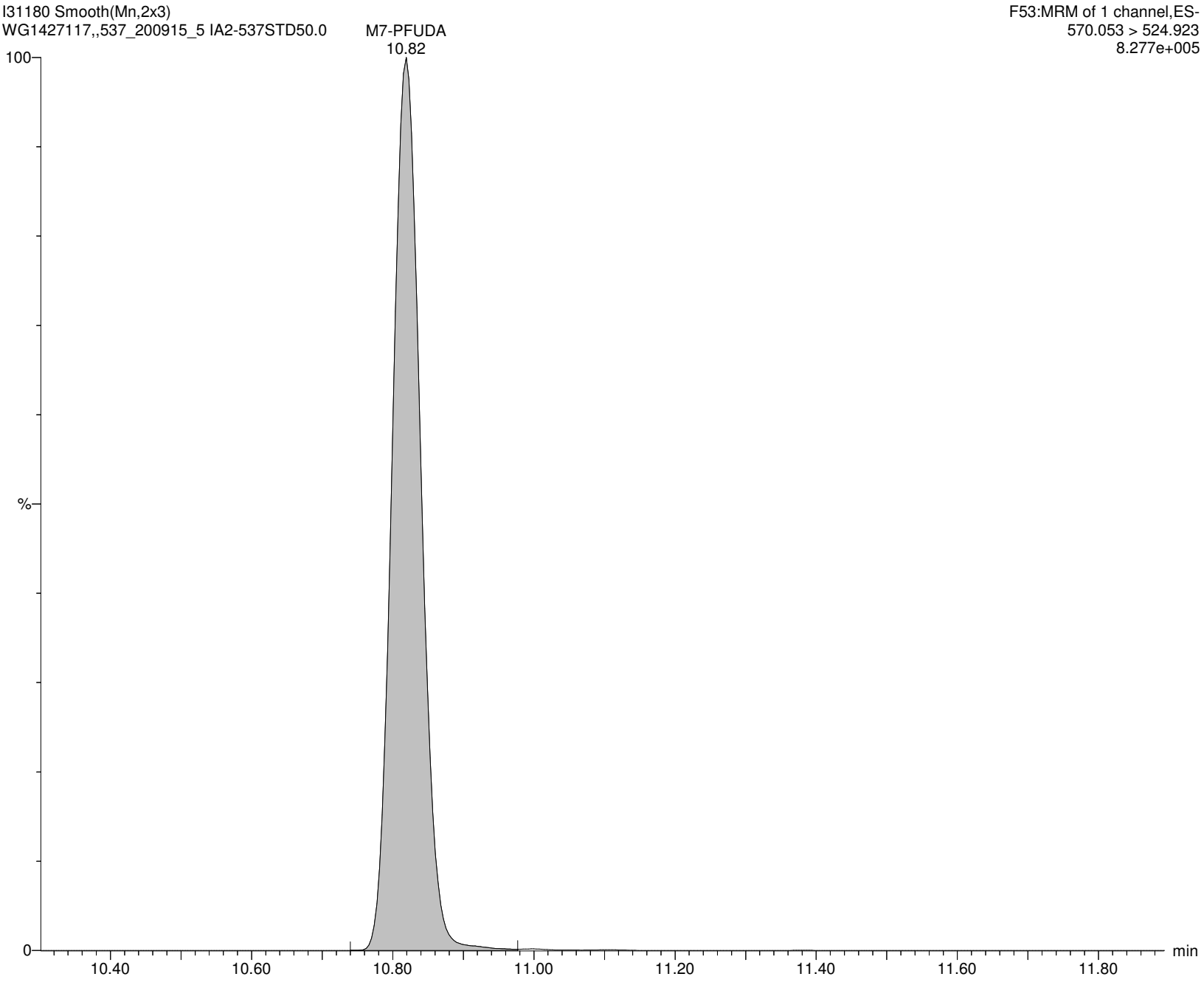

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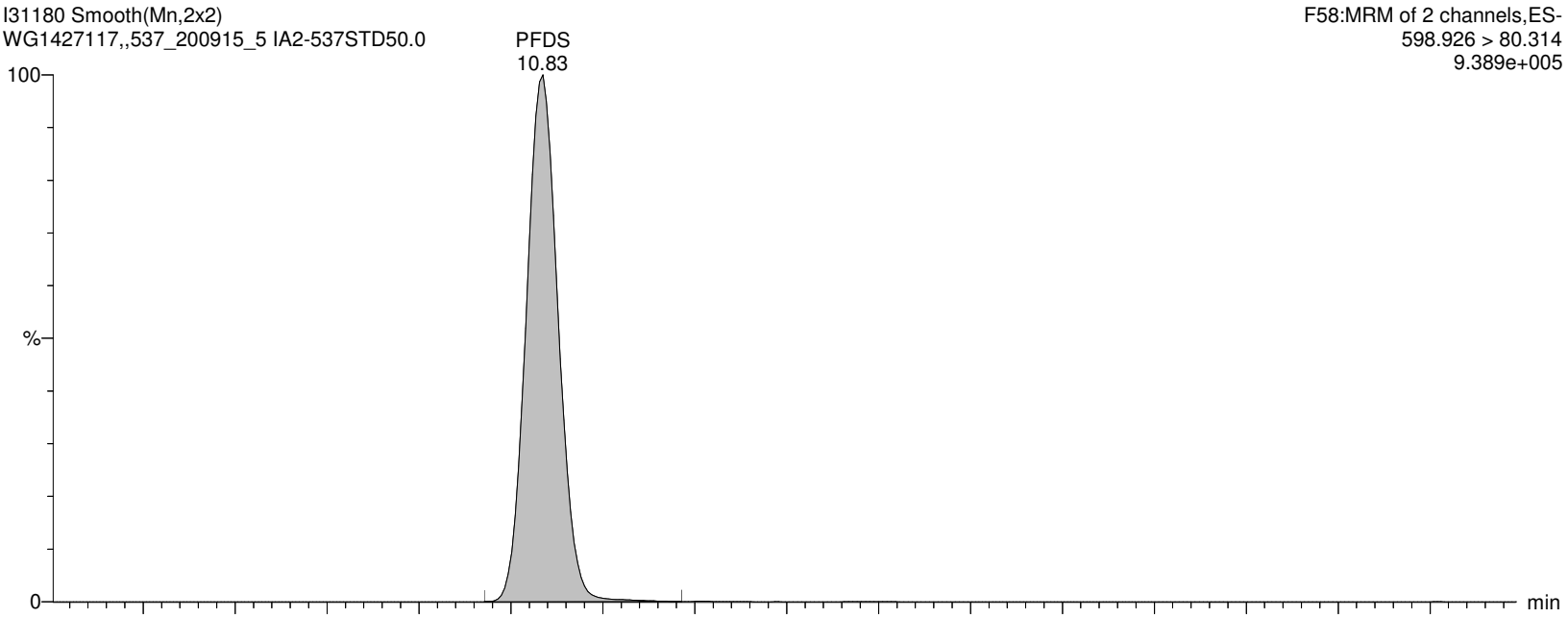

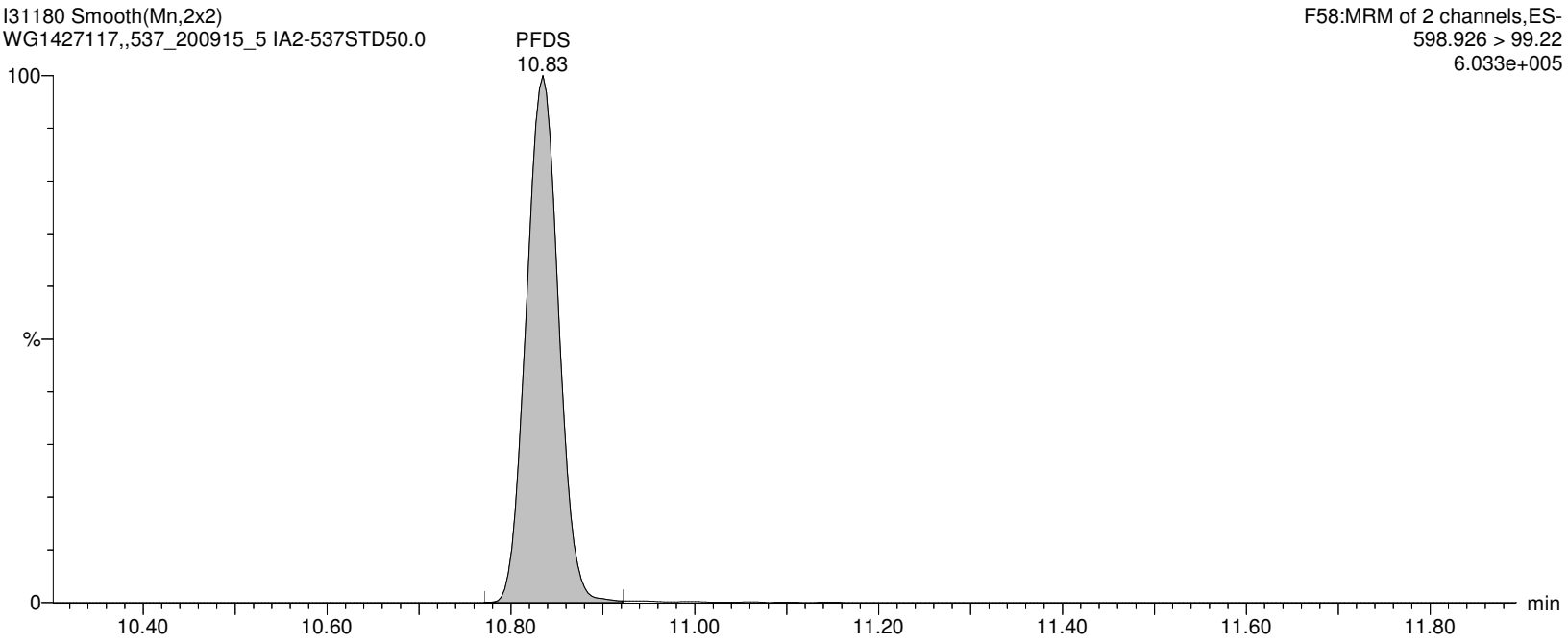

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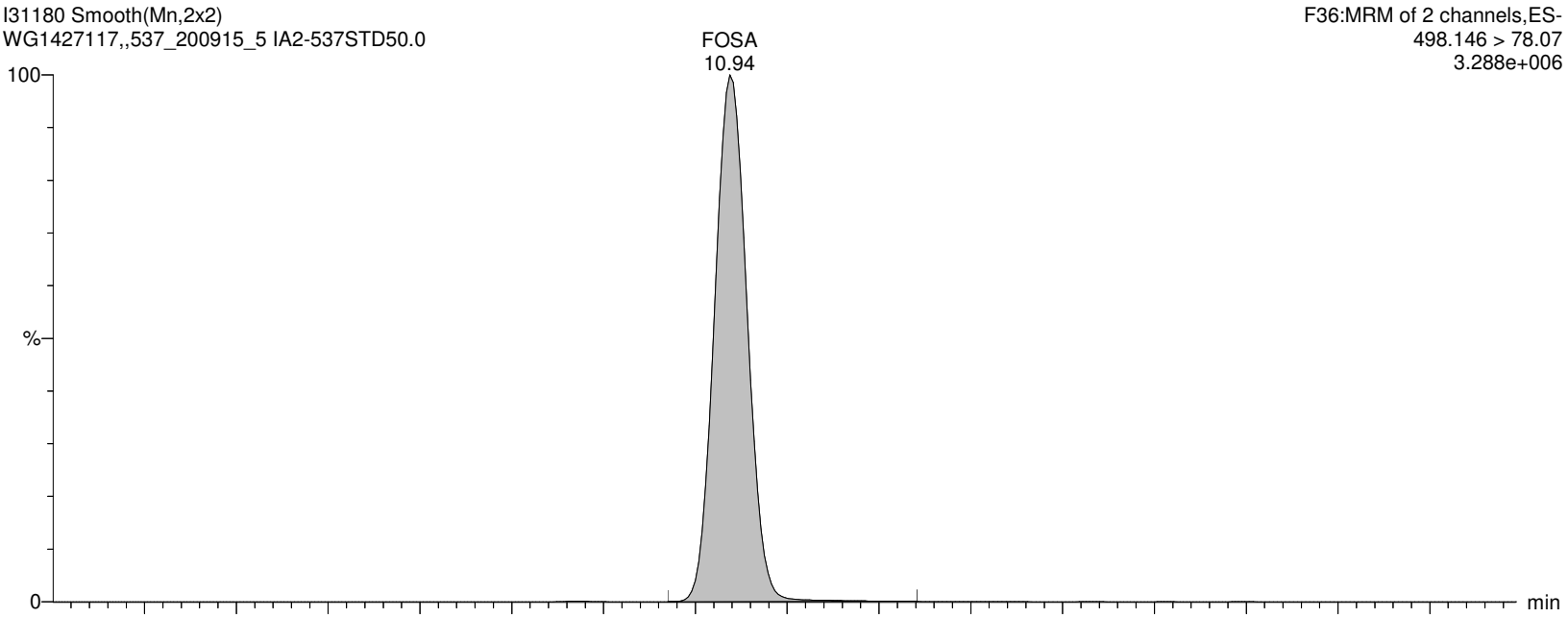
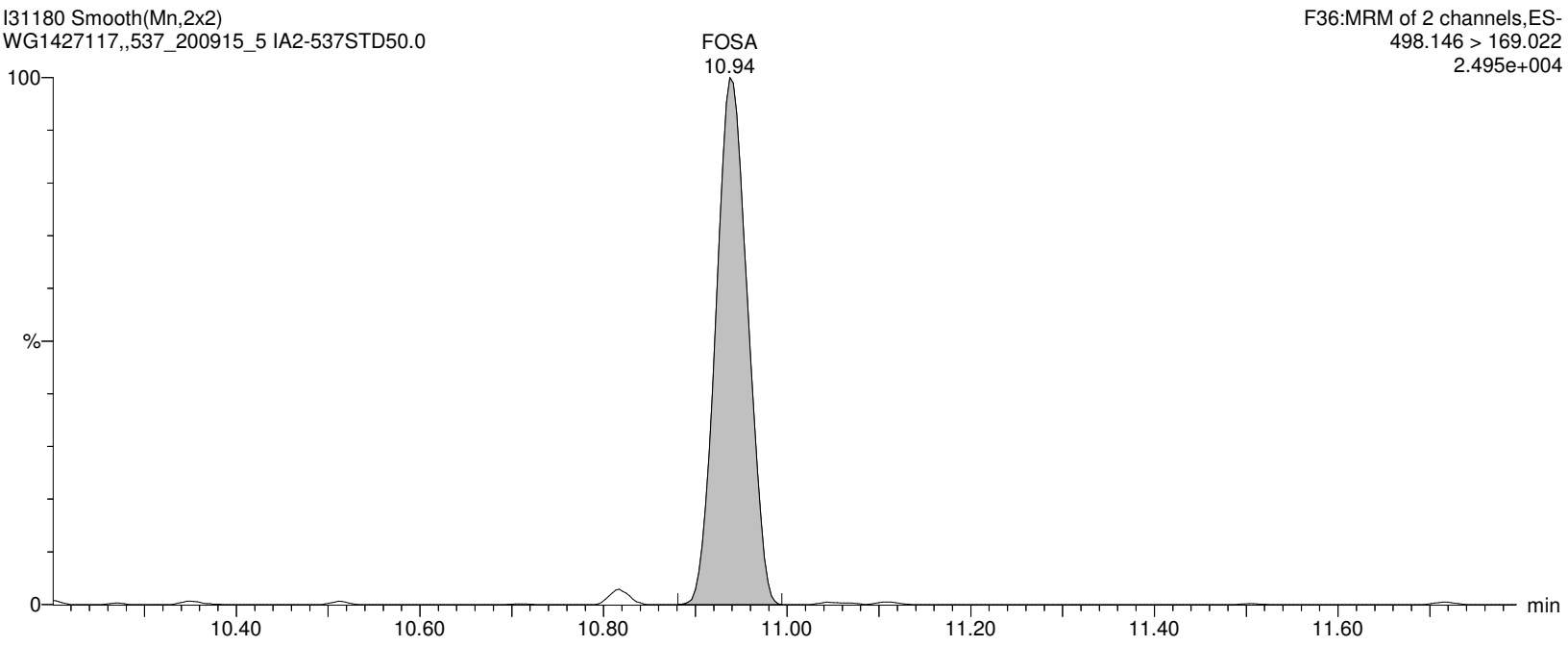
FOSA





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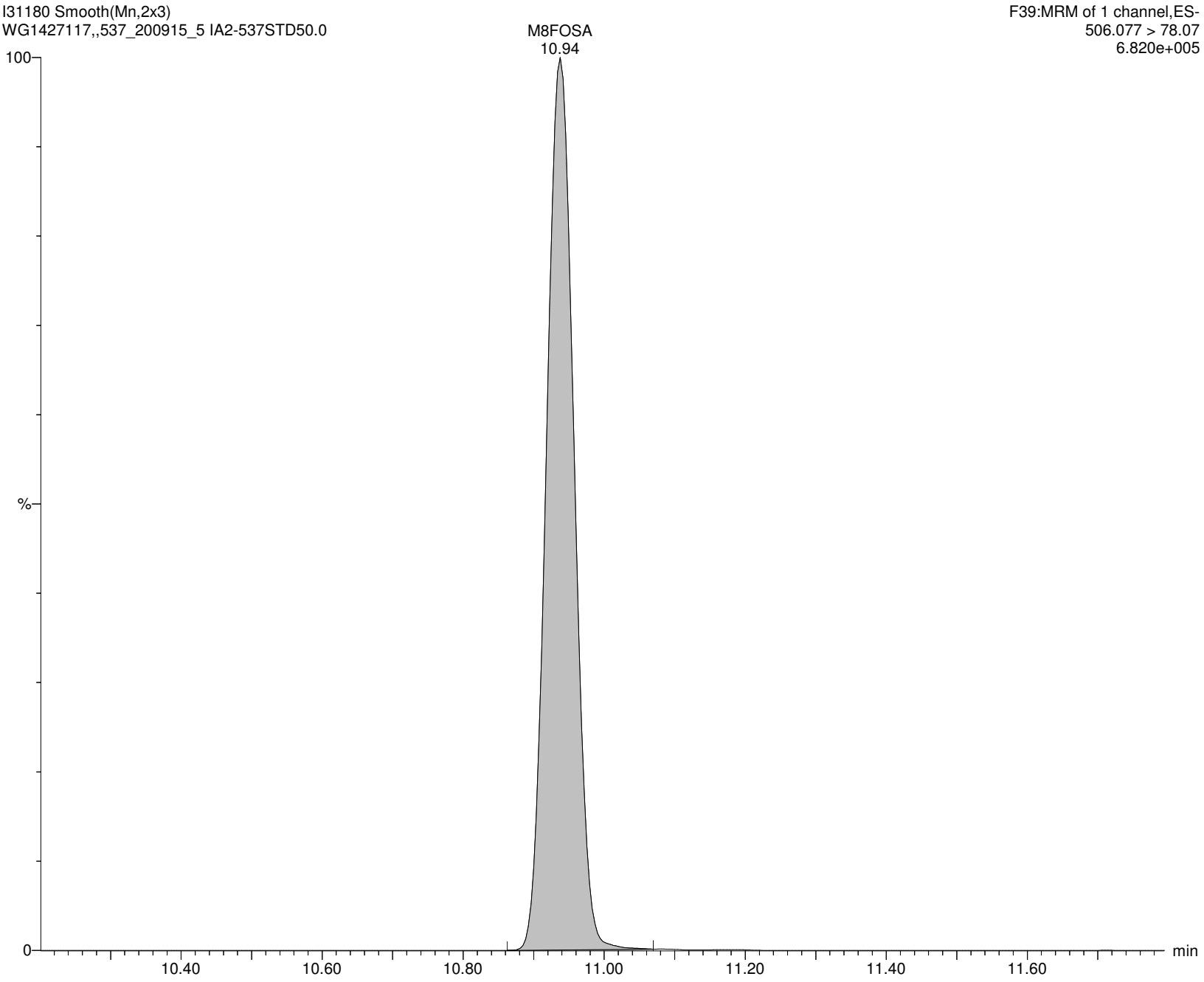

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Alpha Analytical Inc.
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Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:15:54 Eastern Daylight Time

Name: I31180
ID: IA2-537STD50.0
Date: 27-Oct-2020
Time: 18:46:51
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User: LCMS02:JW
Vial: 1:A,6
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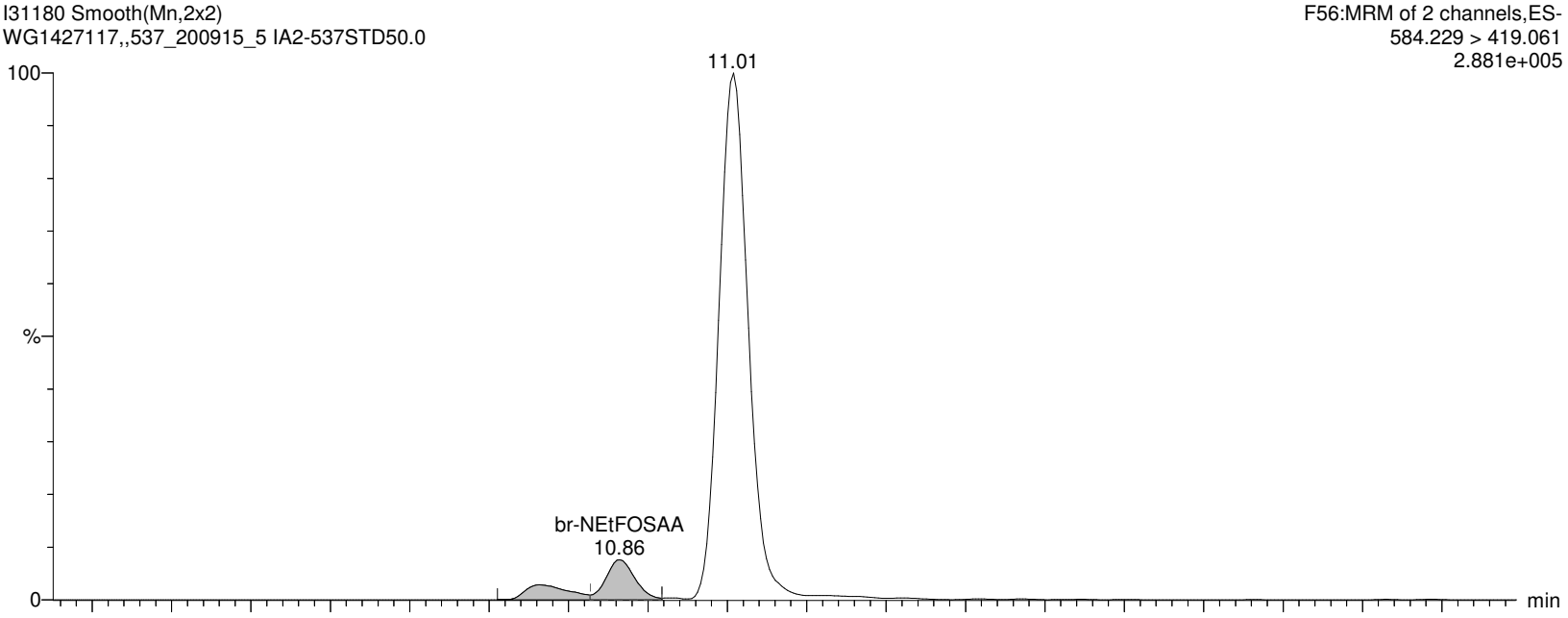

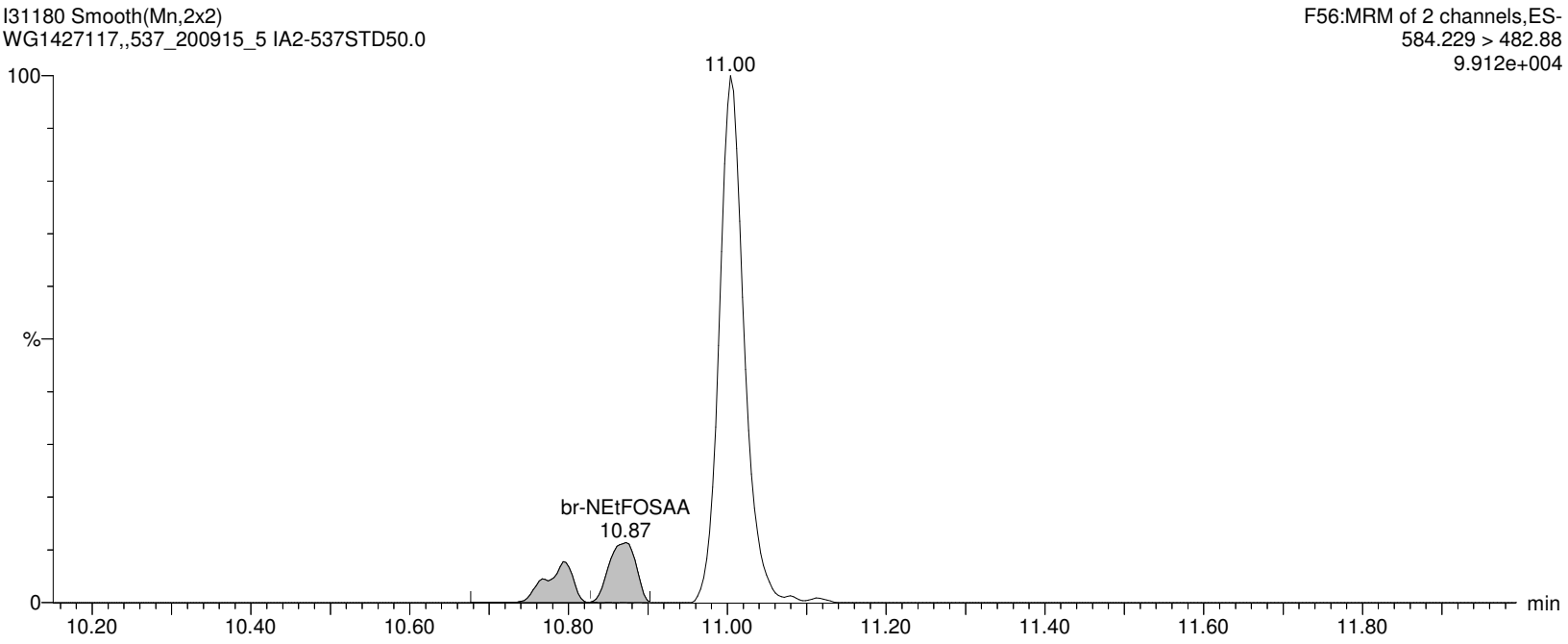

all concentration units in (ng/mL)

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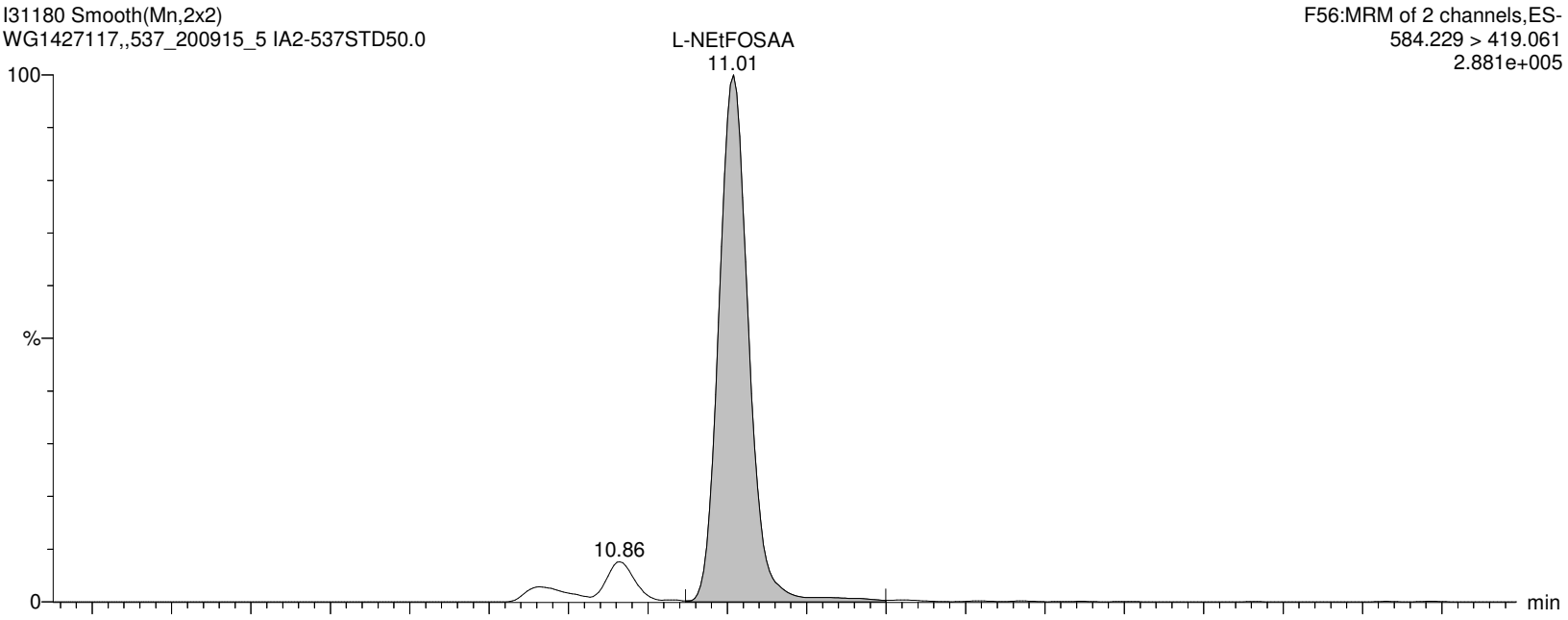

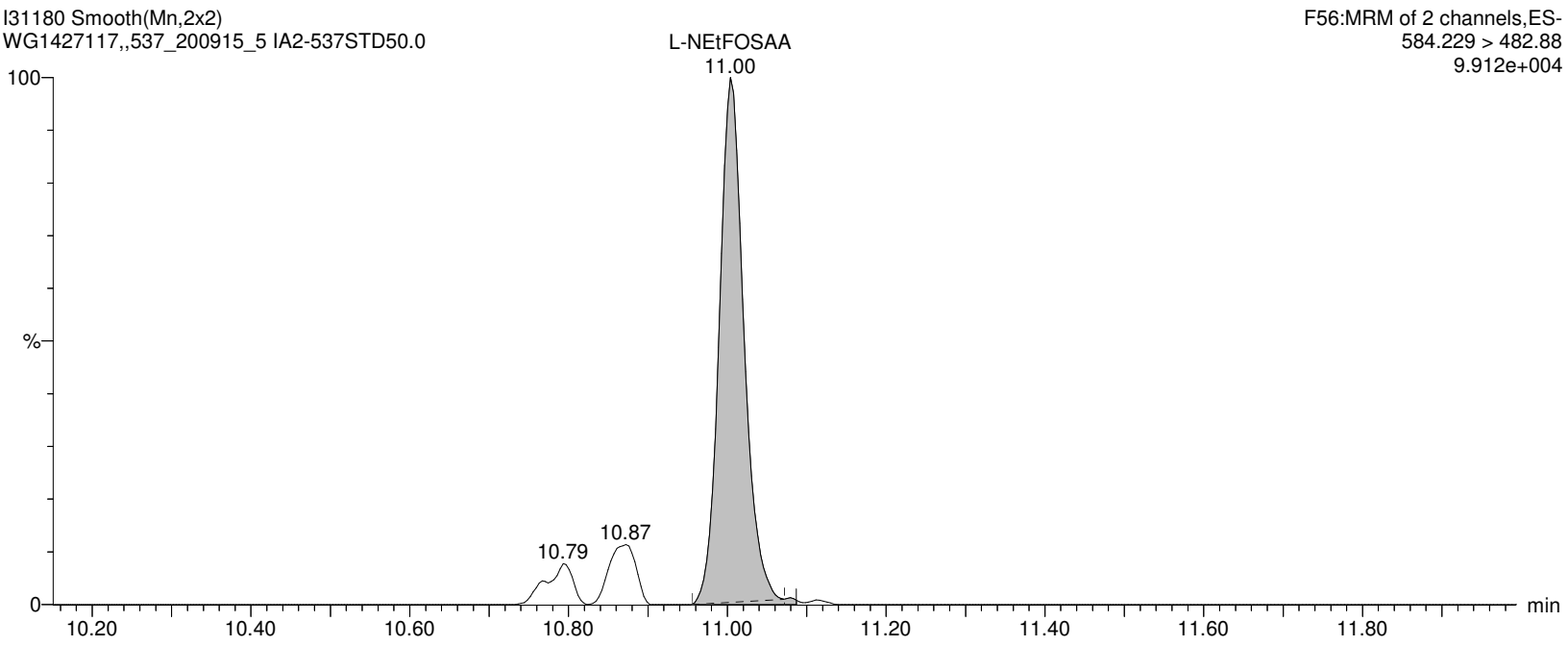

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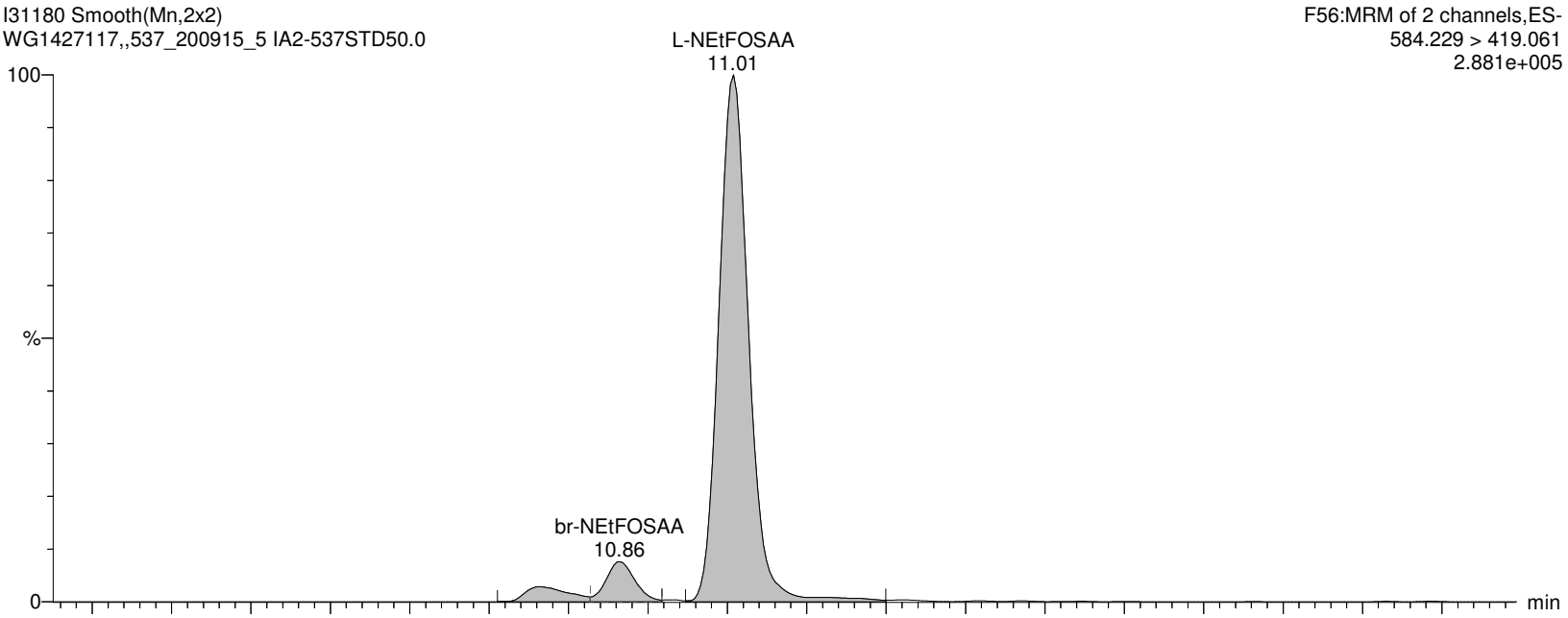

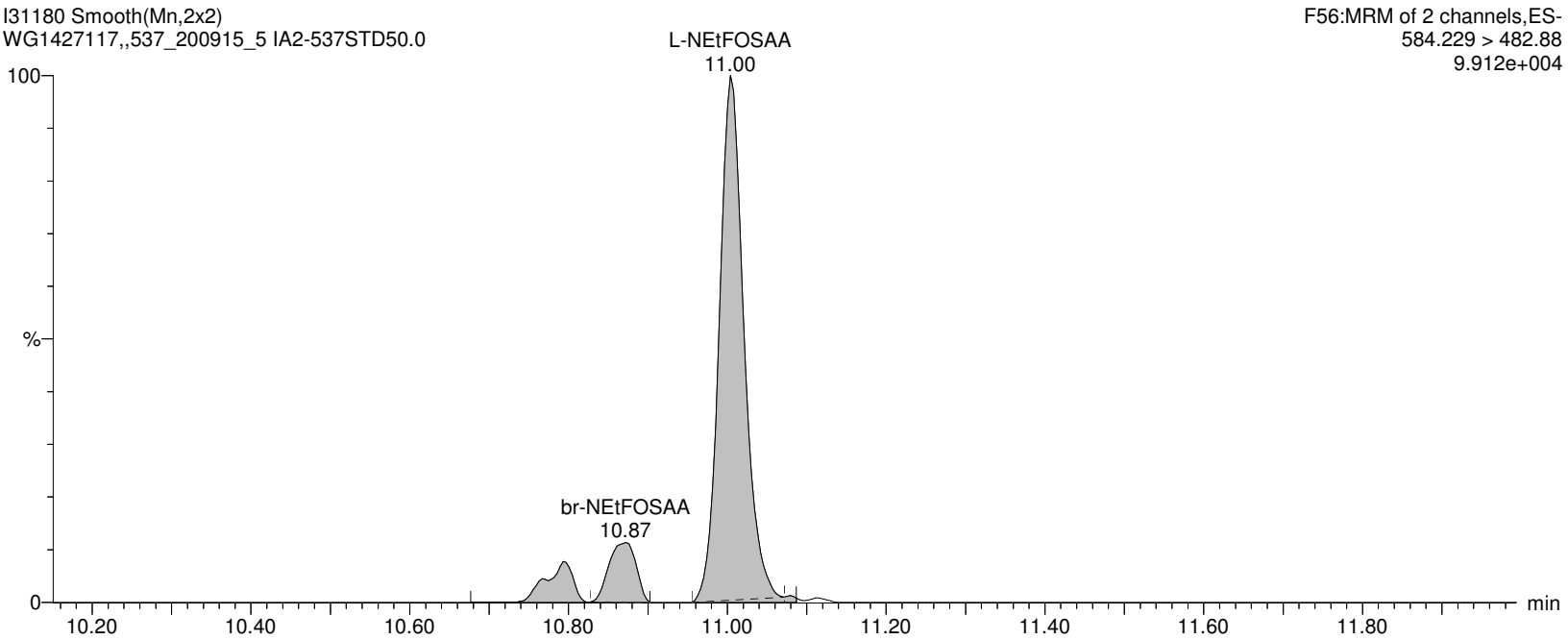

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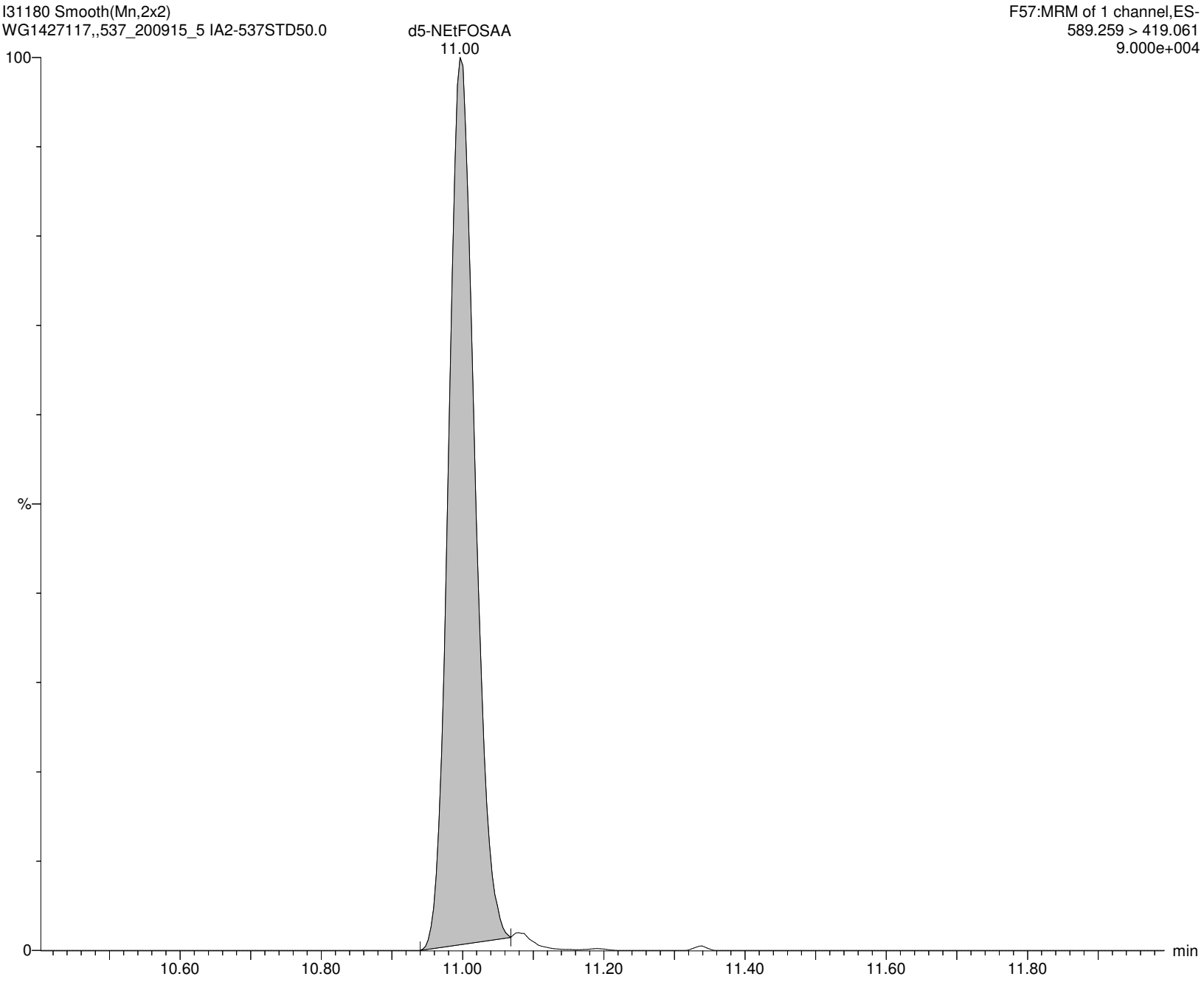

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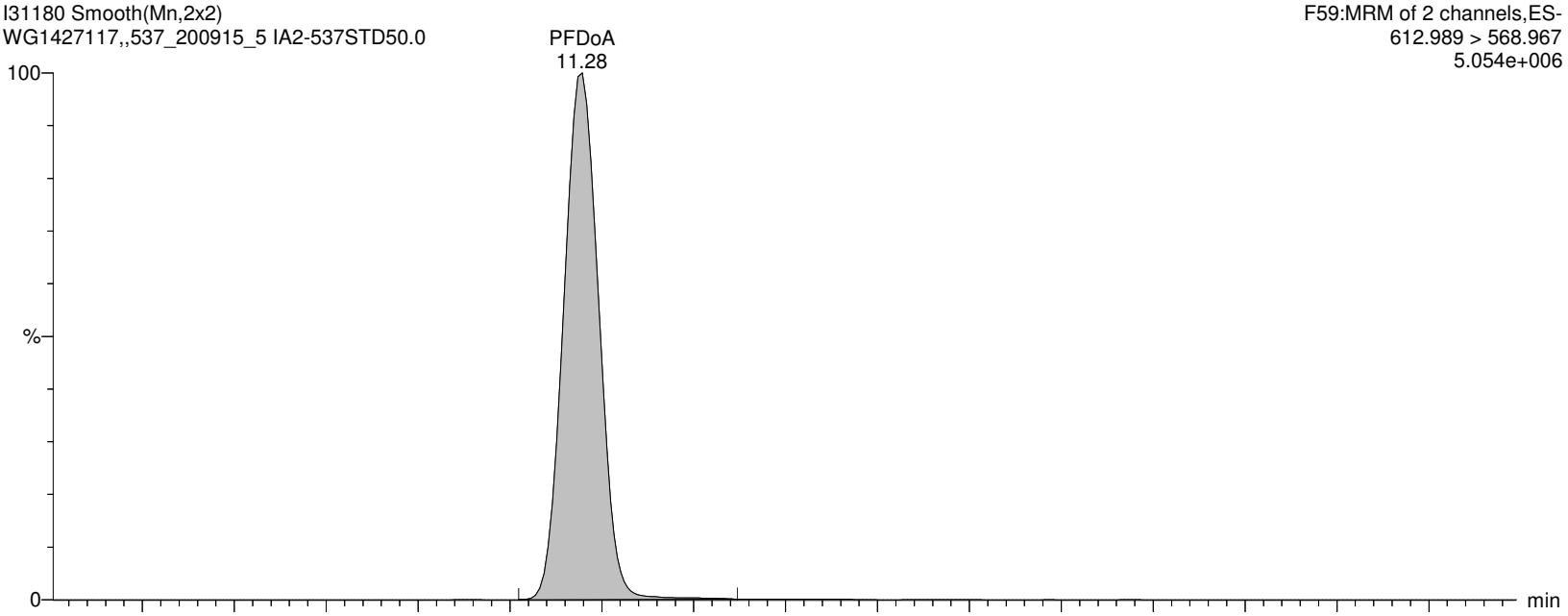

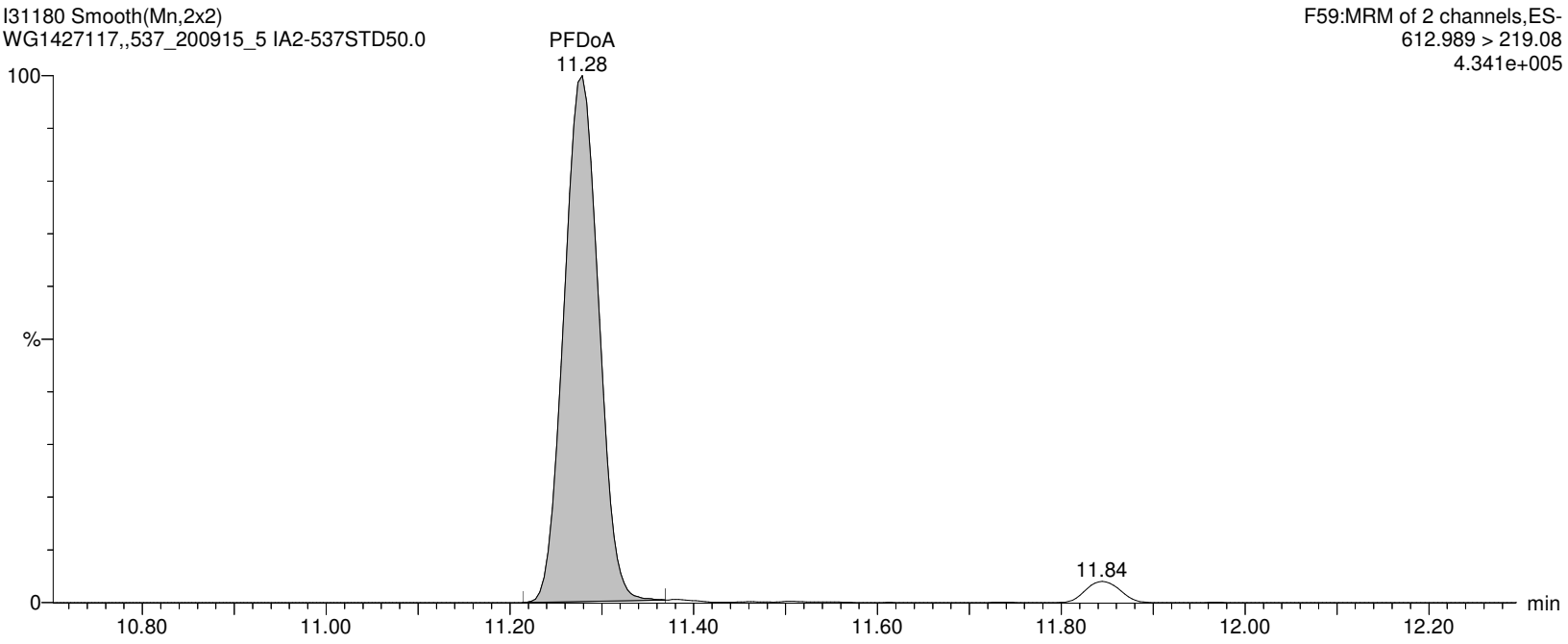

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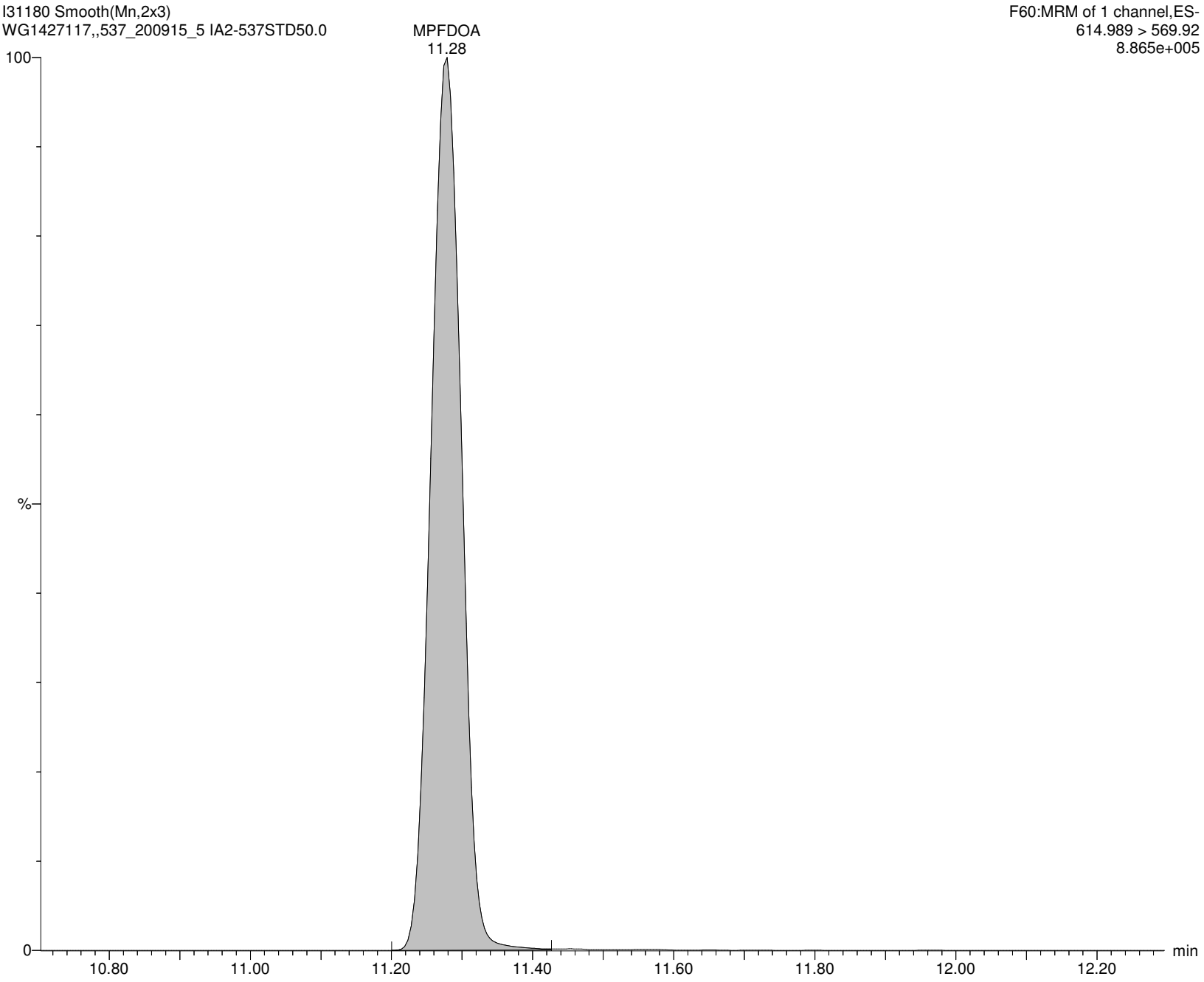

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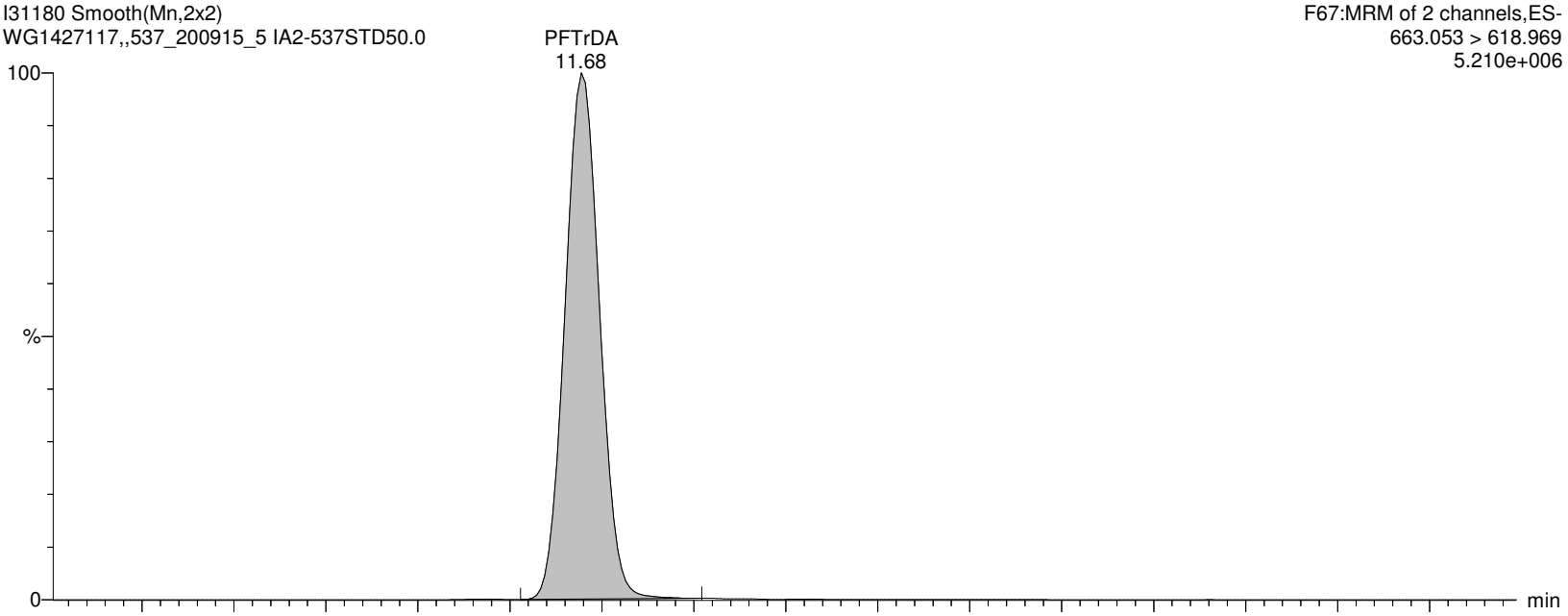

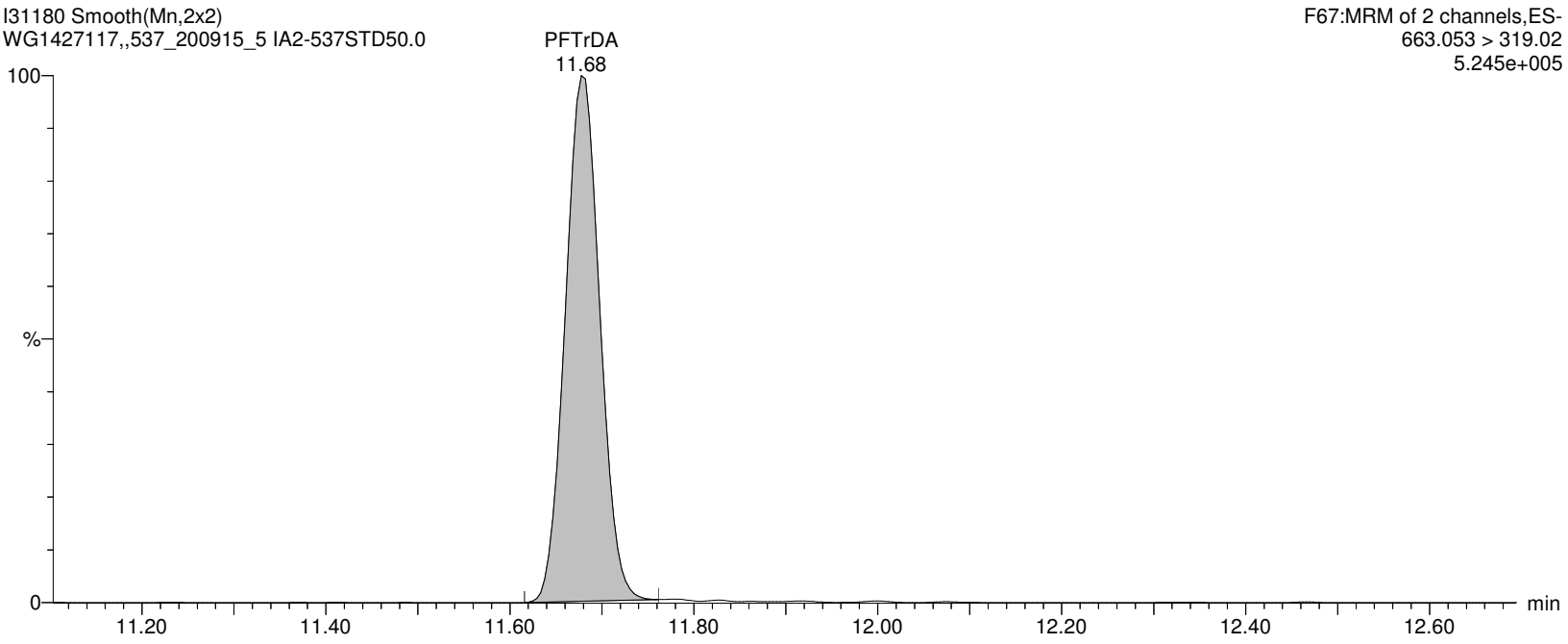

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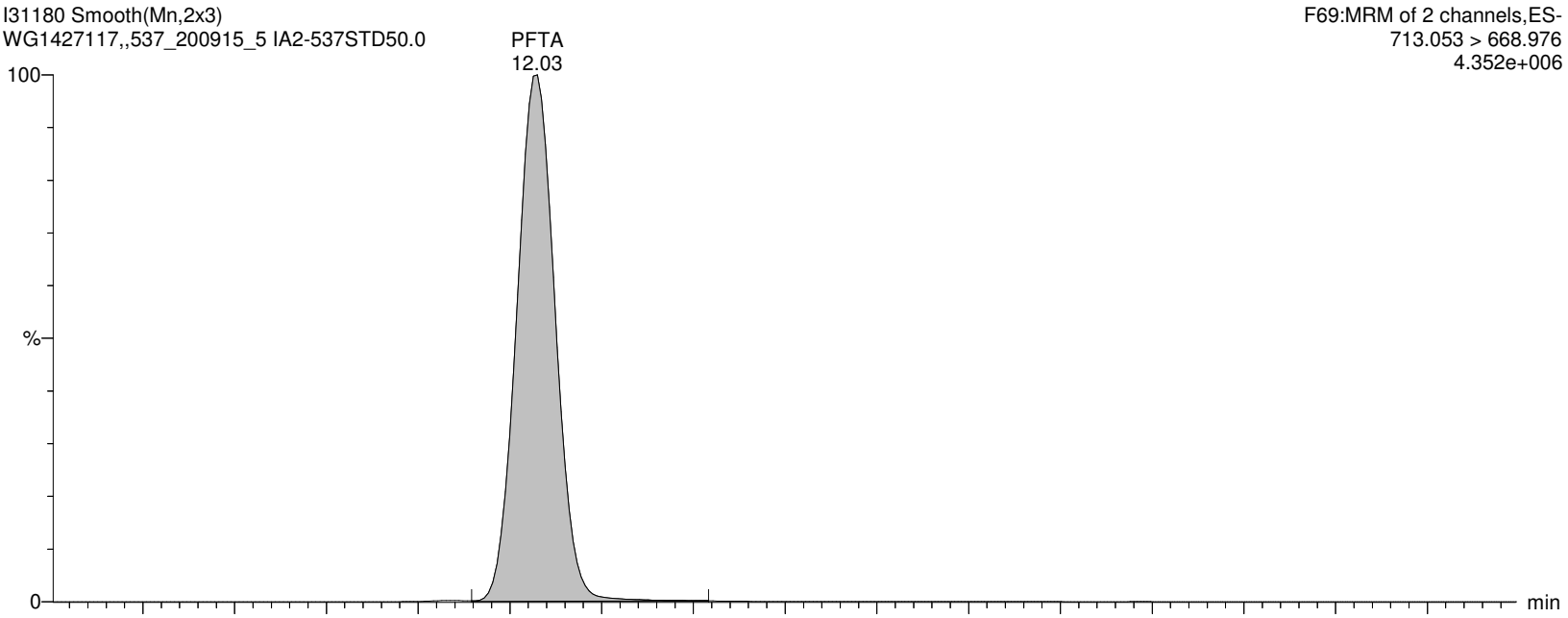

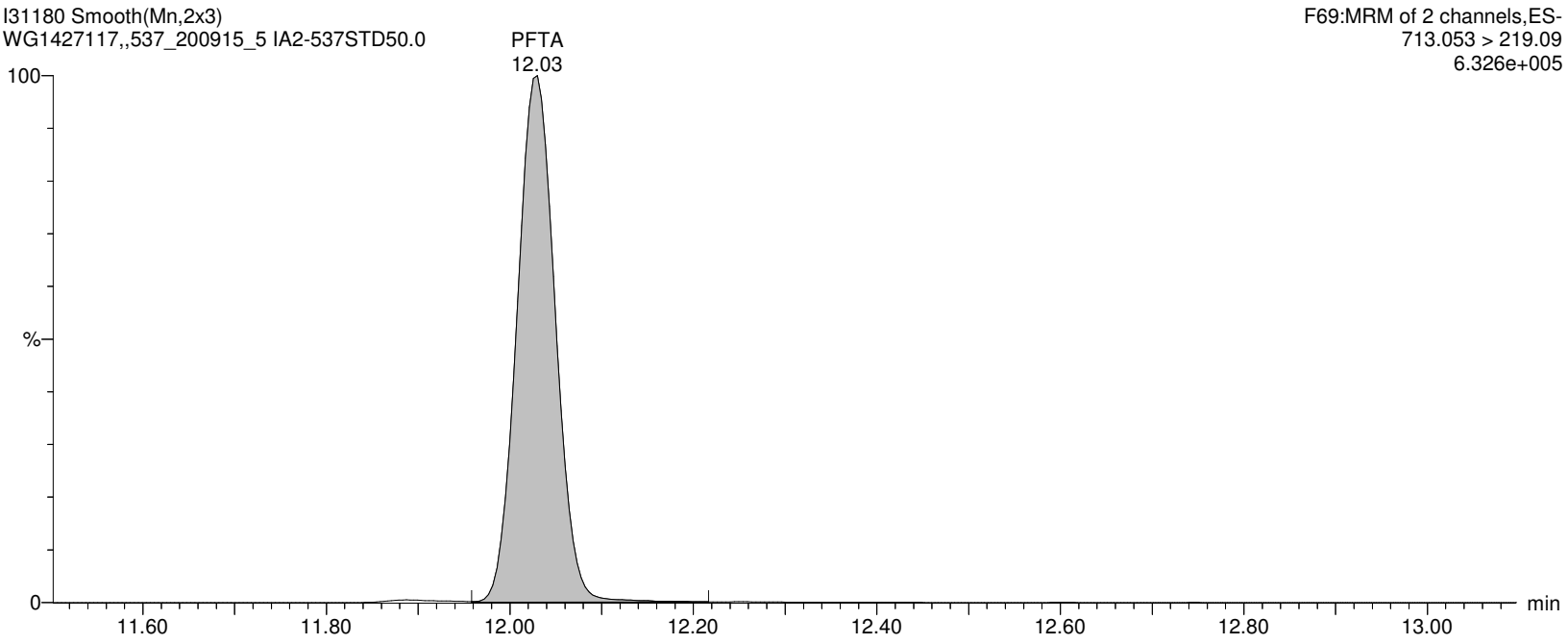

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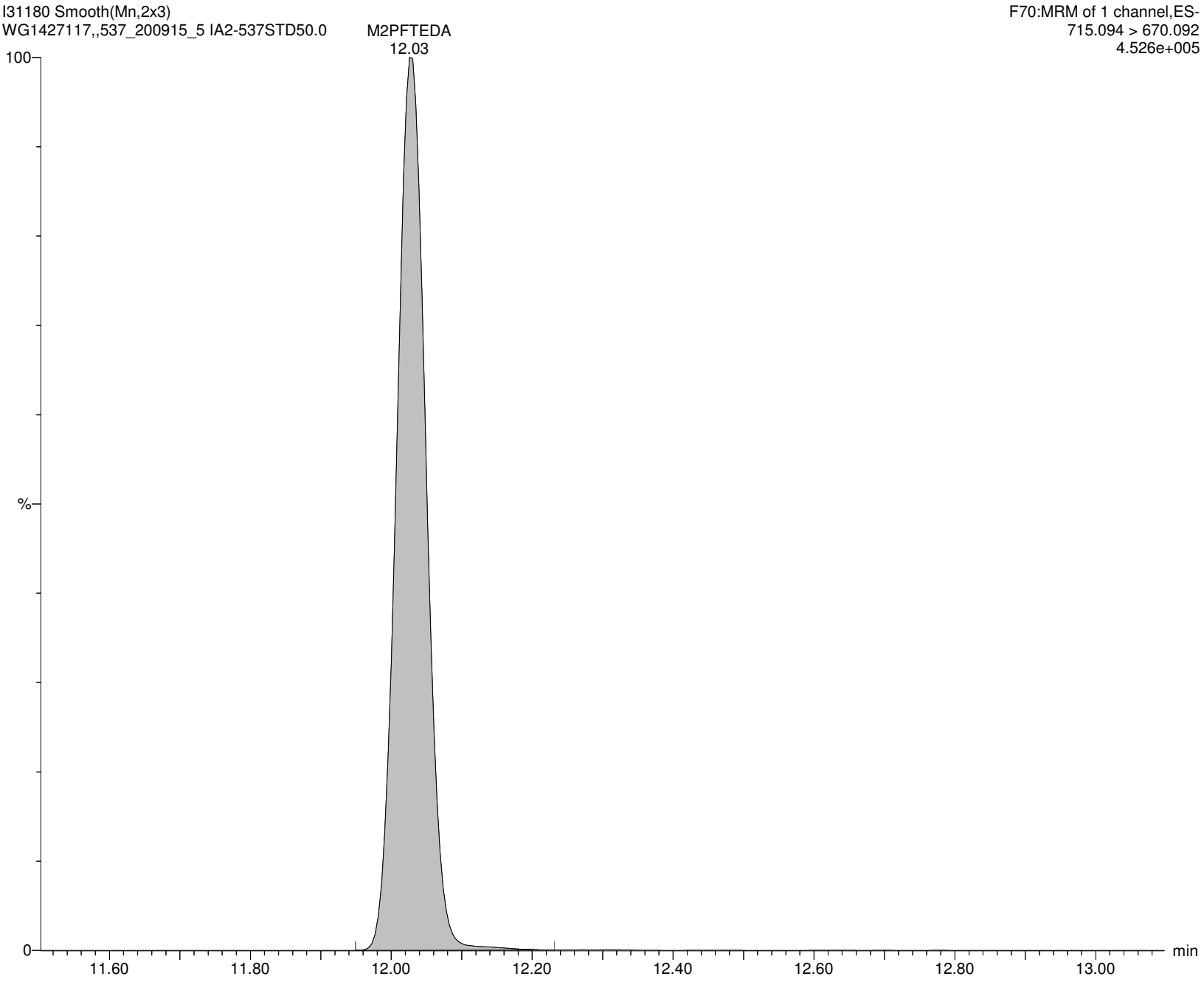

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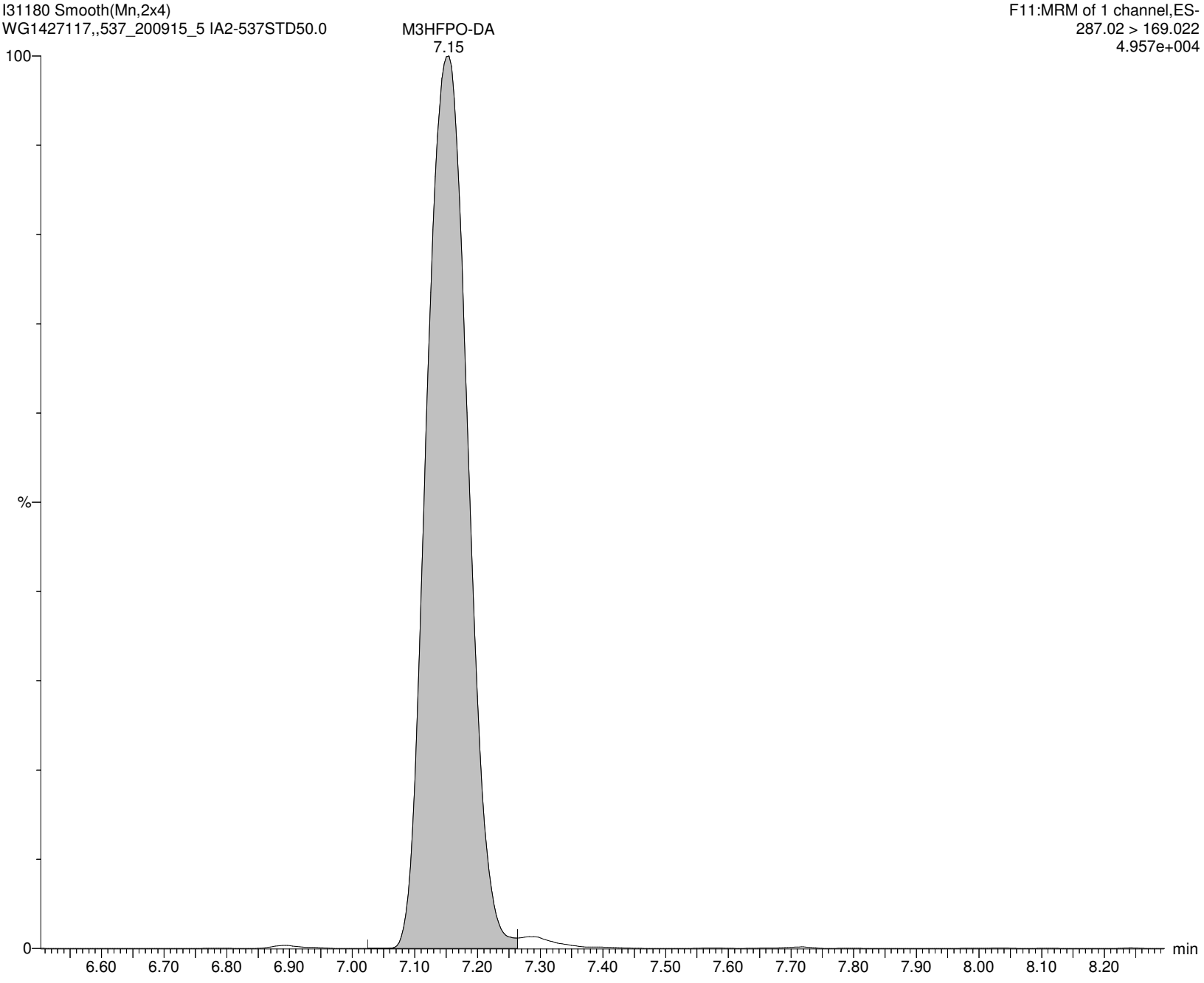

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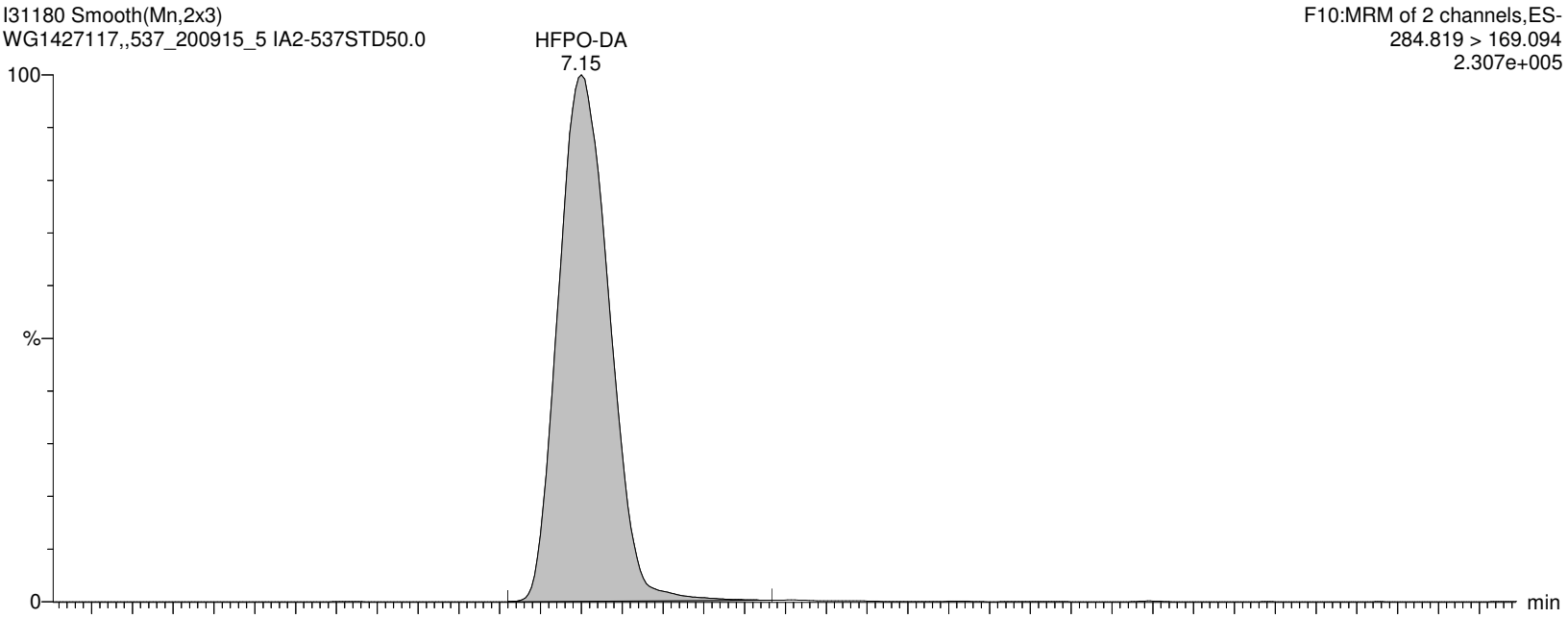

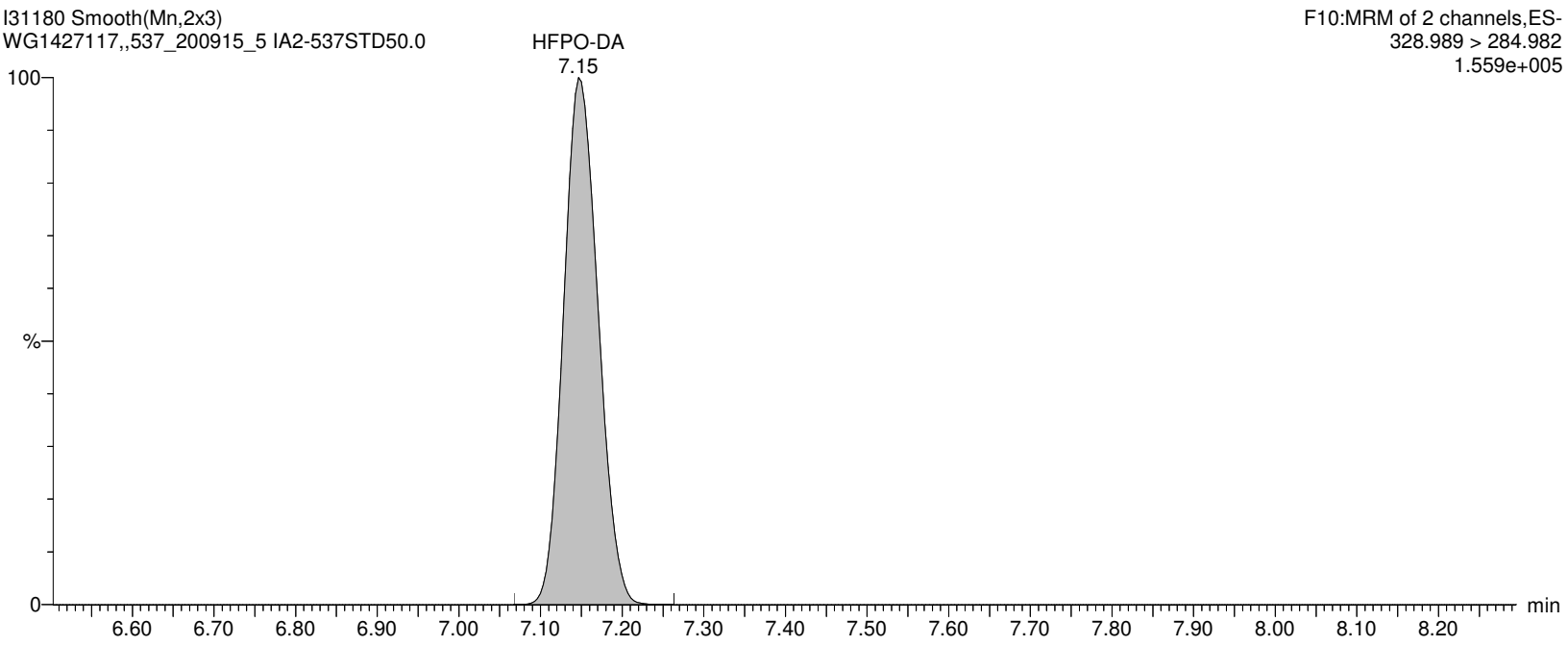

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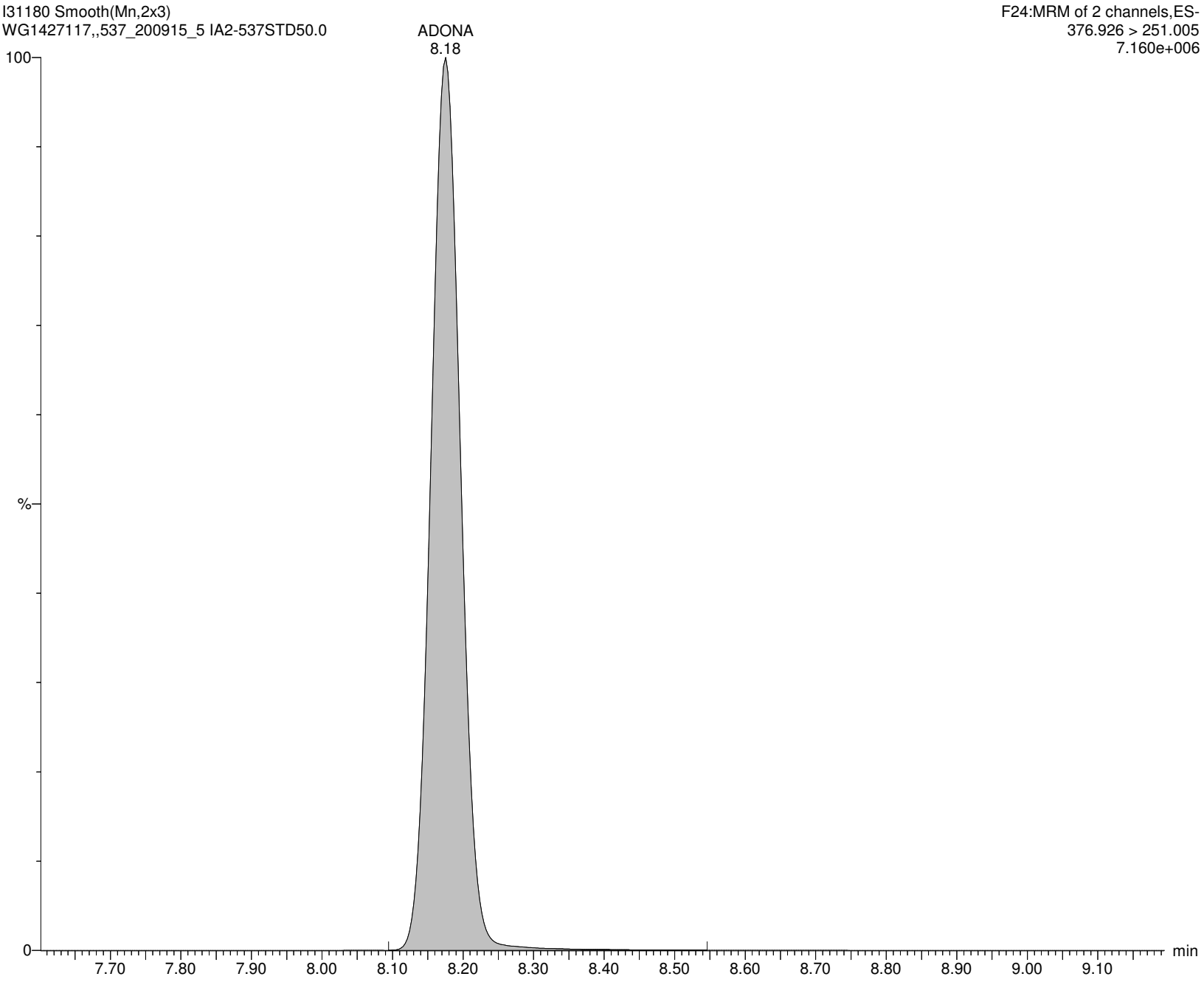

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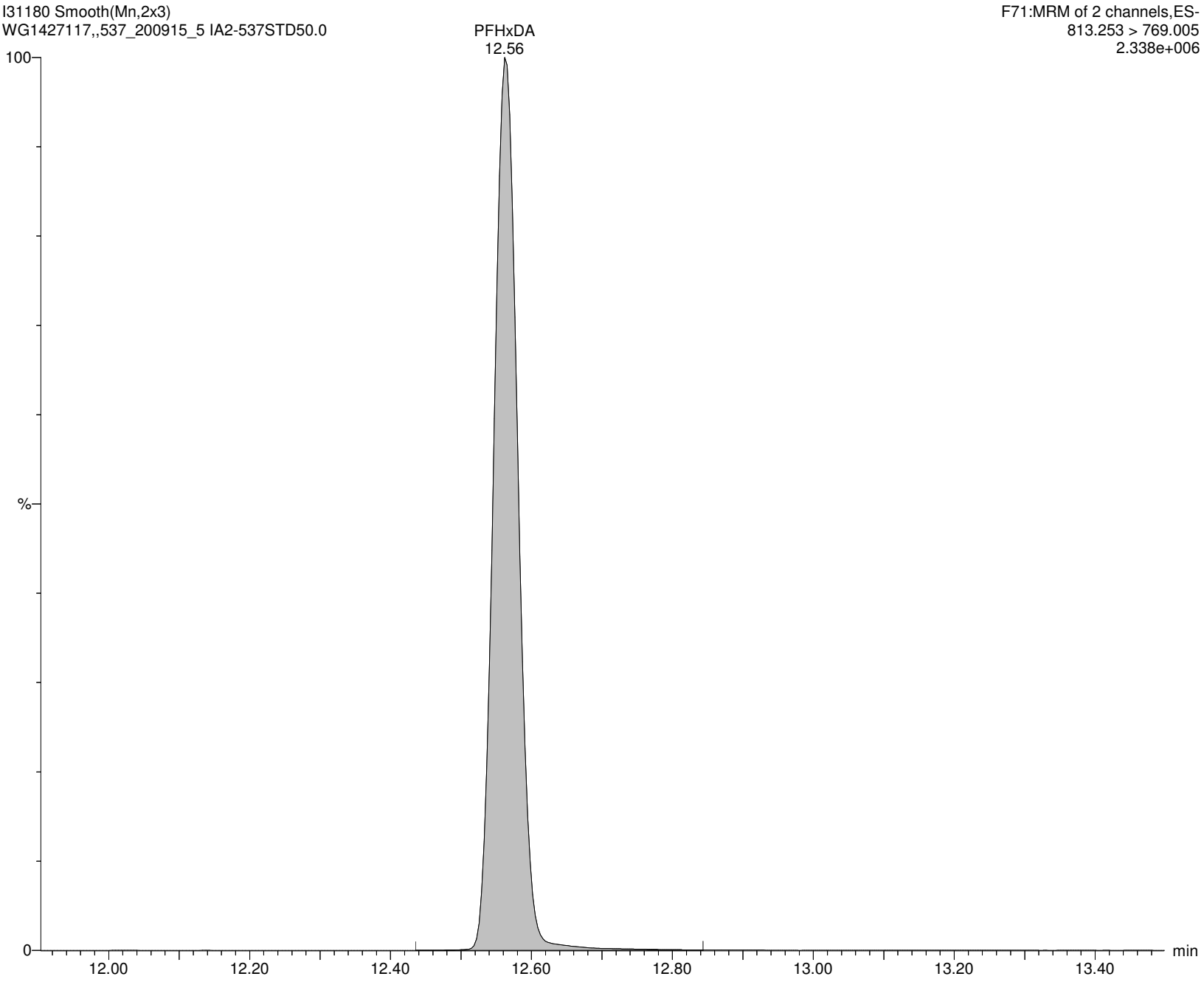

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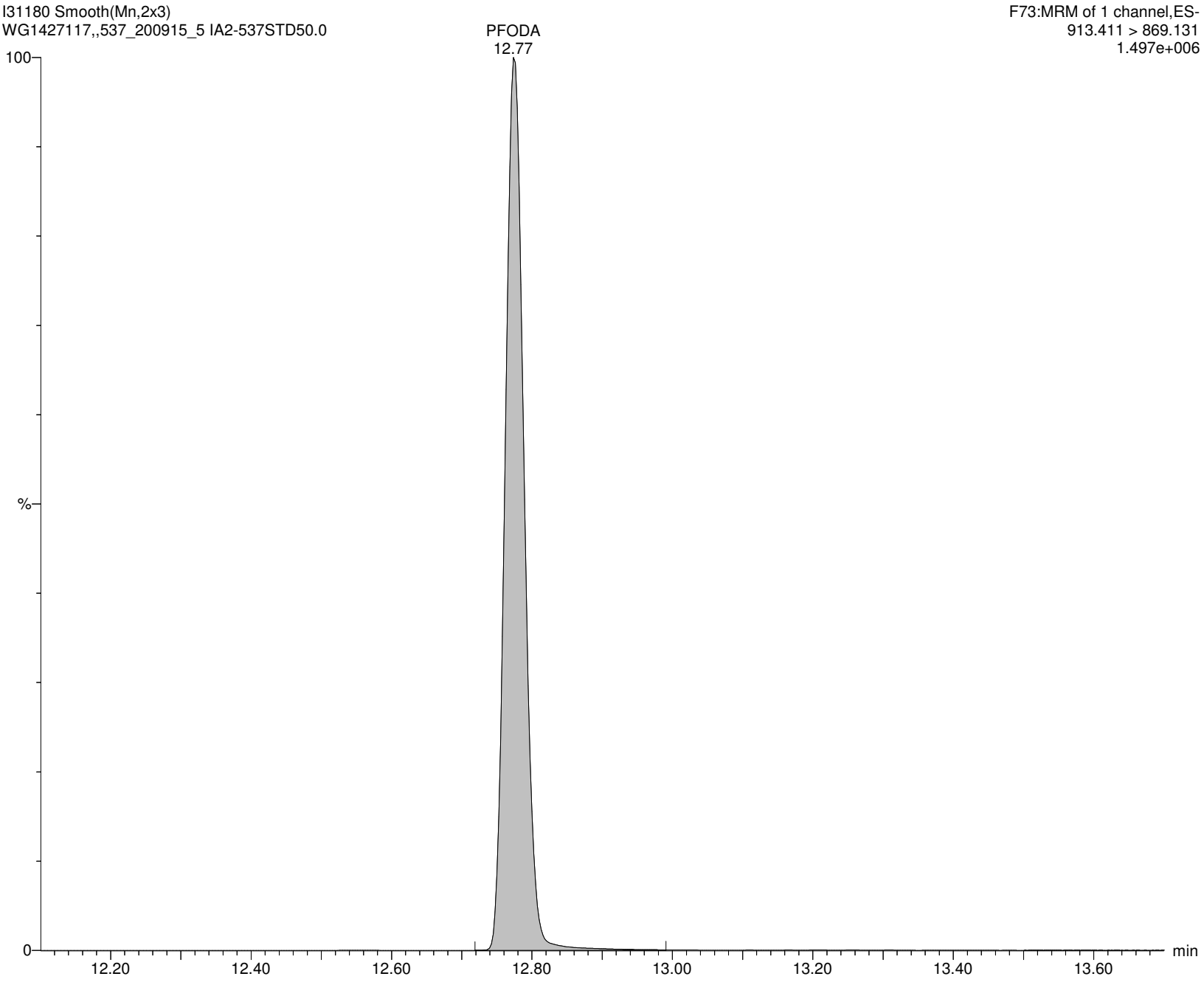

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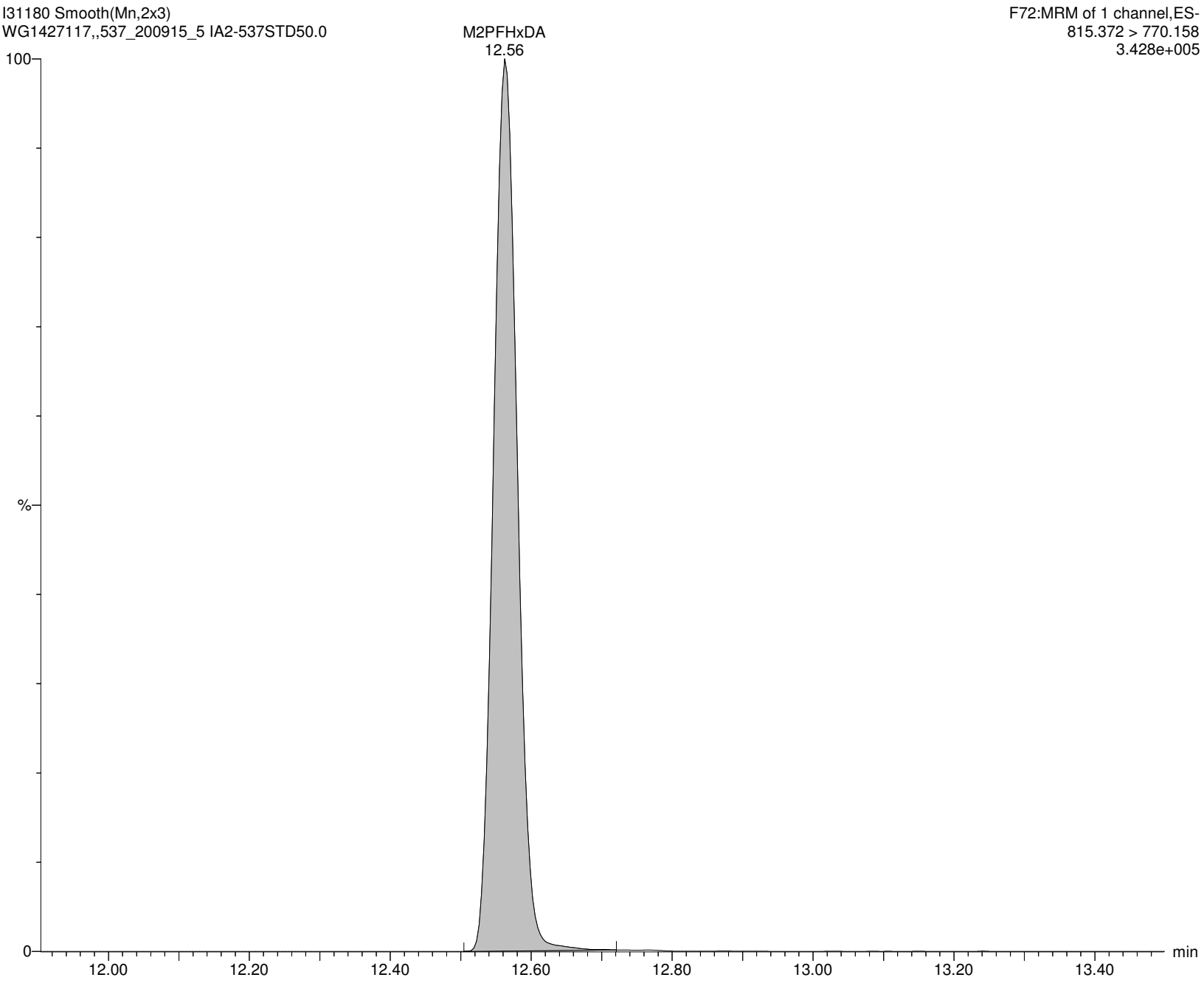

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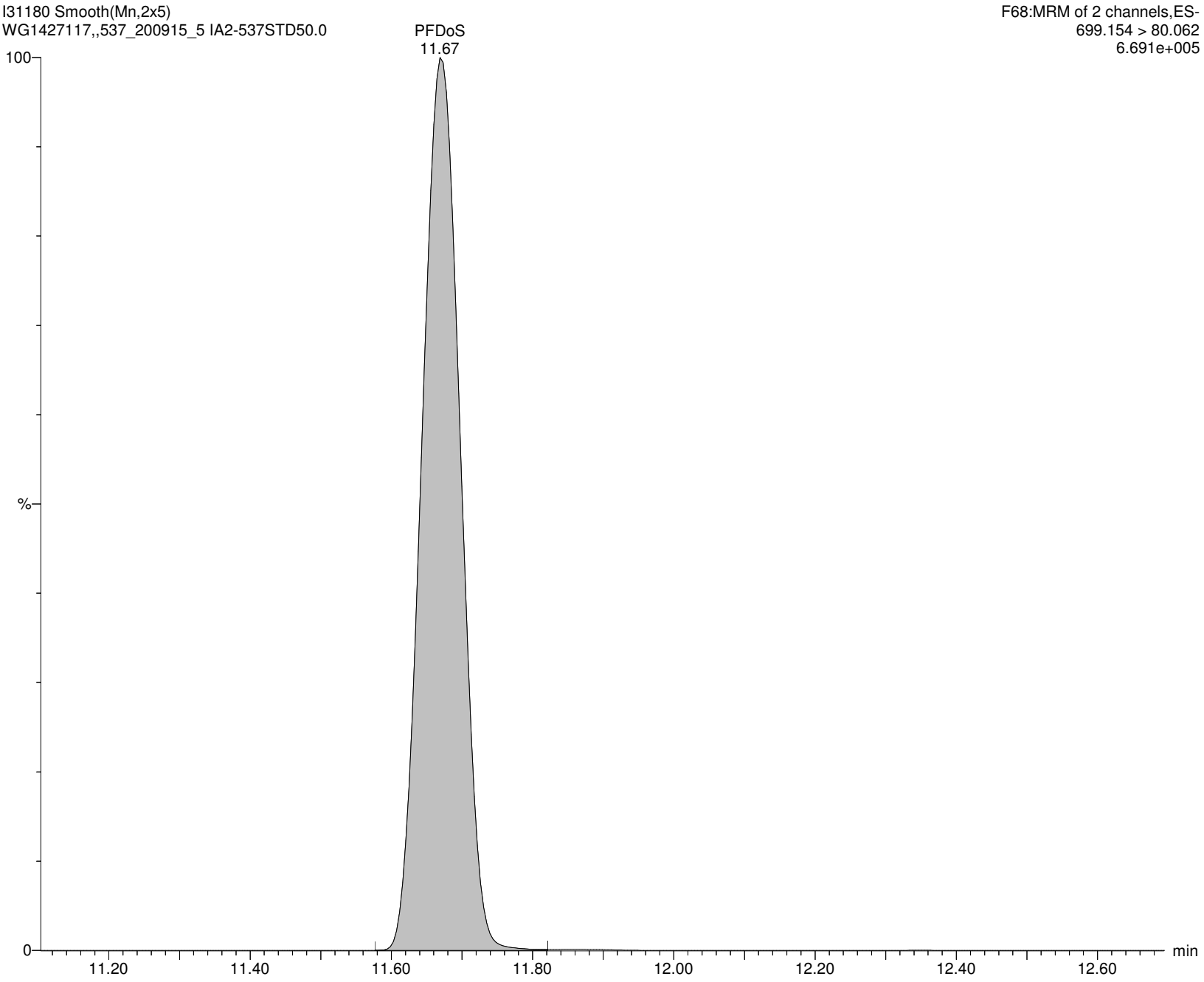
PFDoS



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:15:54 Eastern Daylight Time

Name: I31180
ID: IA2-537STD50.0
Date: 27-Oct-2020
Time: 18:46:51
Description: WG1427117,,537_200915_5
User: LCMS02:JW
Vial: 1:A,6
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
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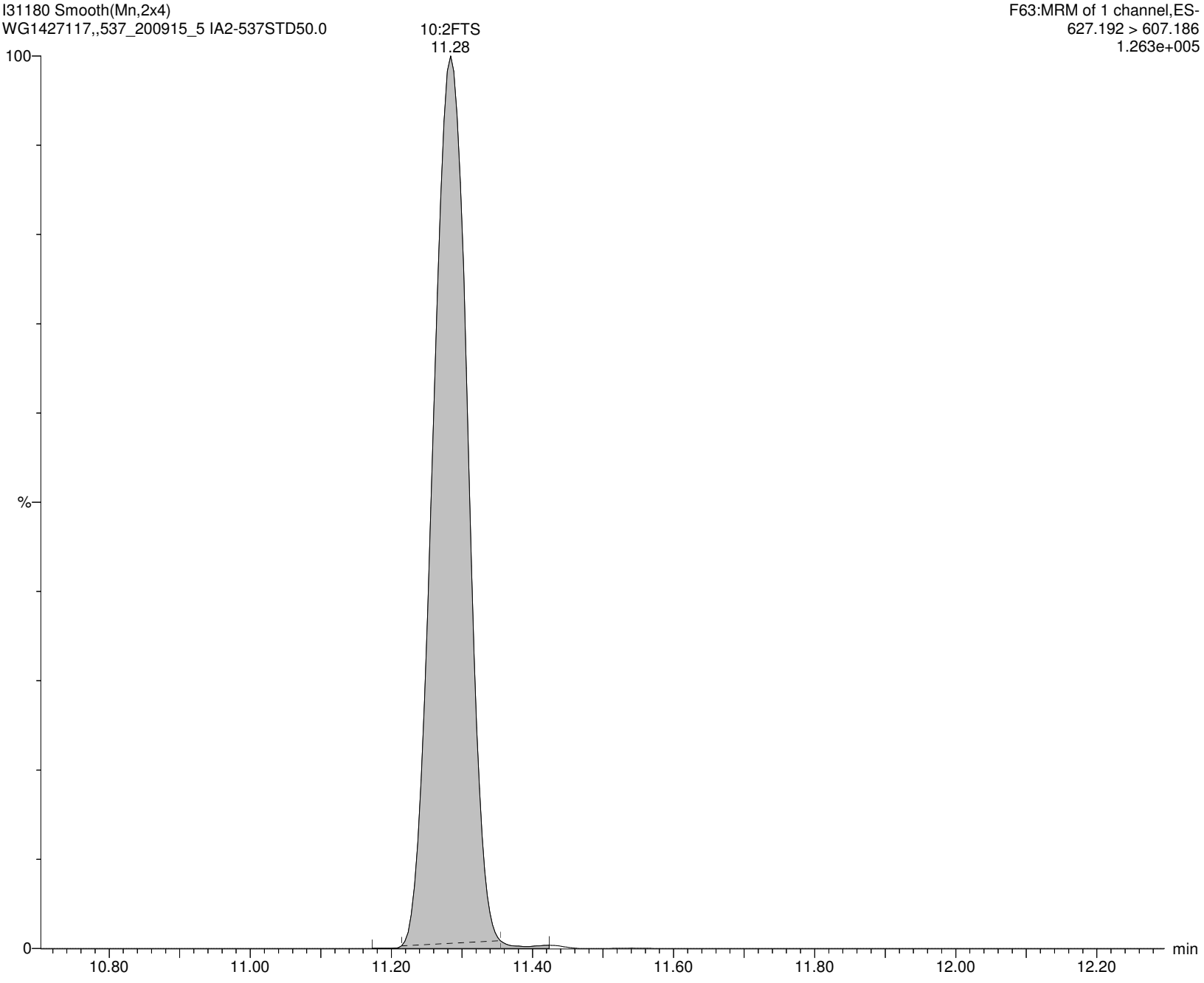

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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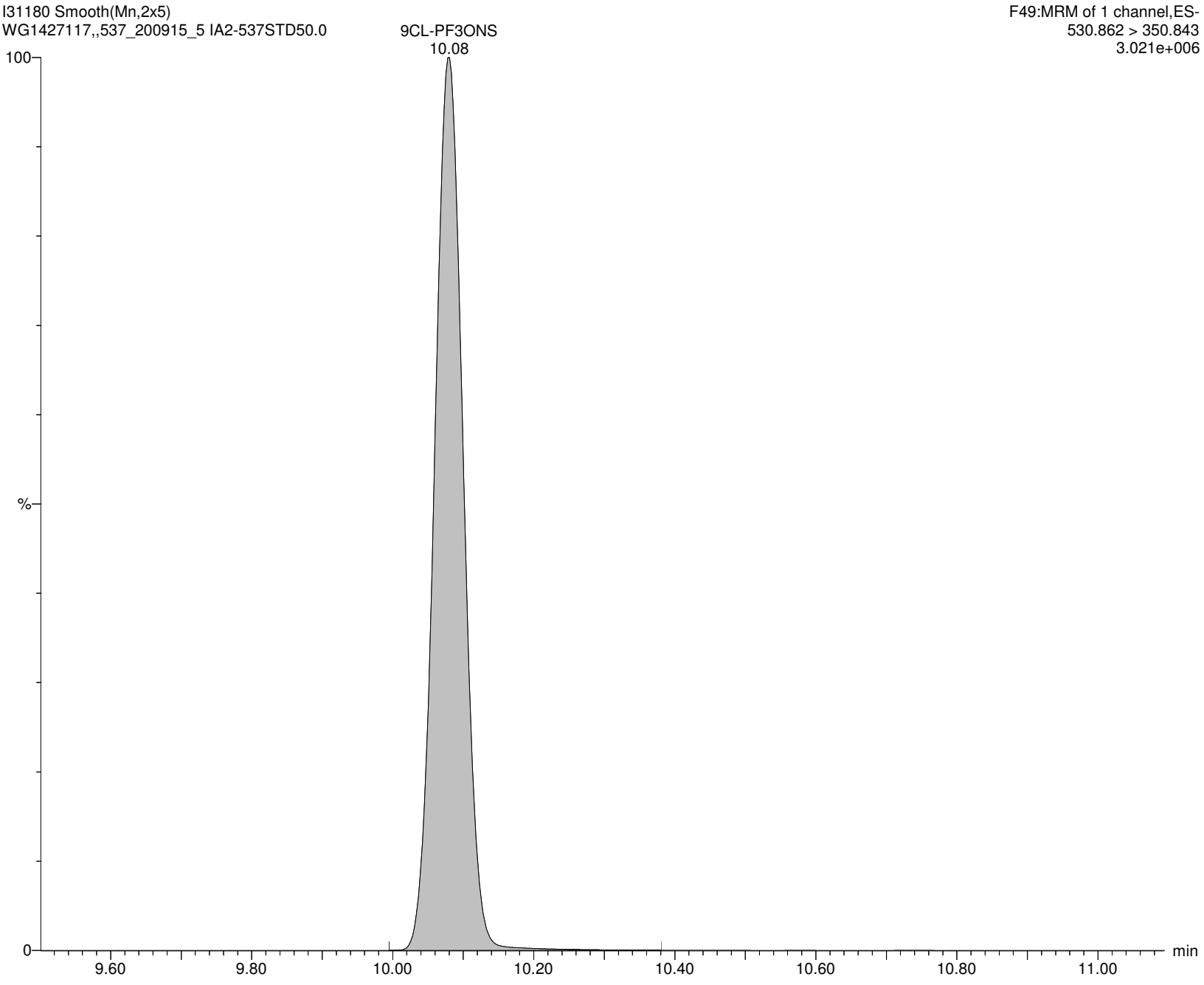
9CL-PF3ONS



all concentration units in (ng/mL)

Alpha Analytical Inc.
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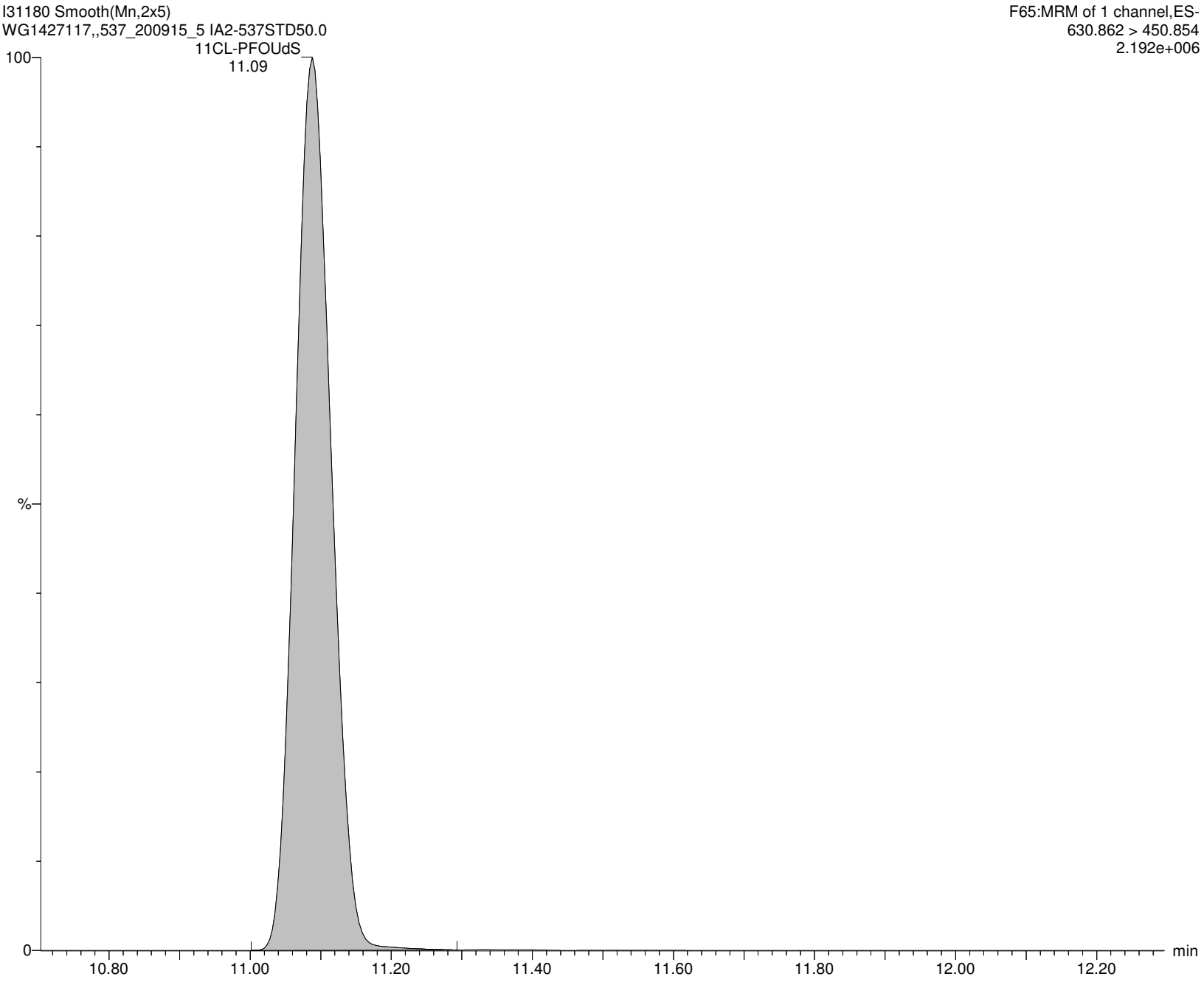
11CL-PFOUdS



all concentration units in (ng/mL)

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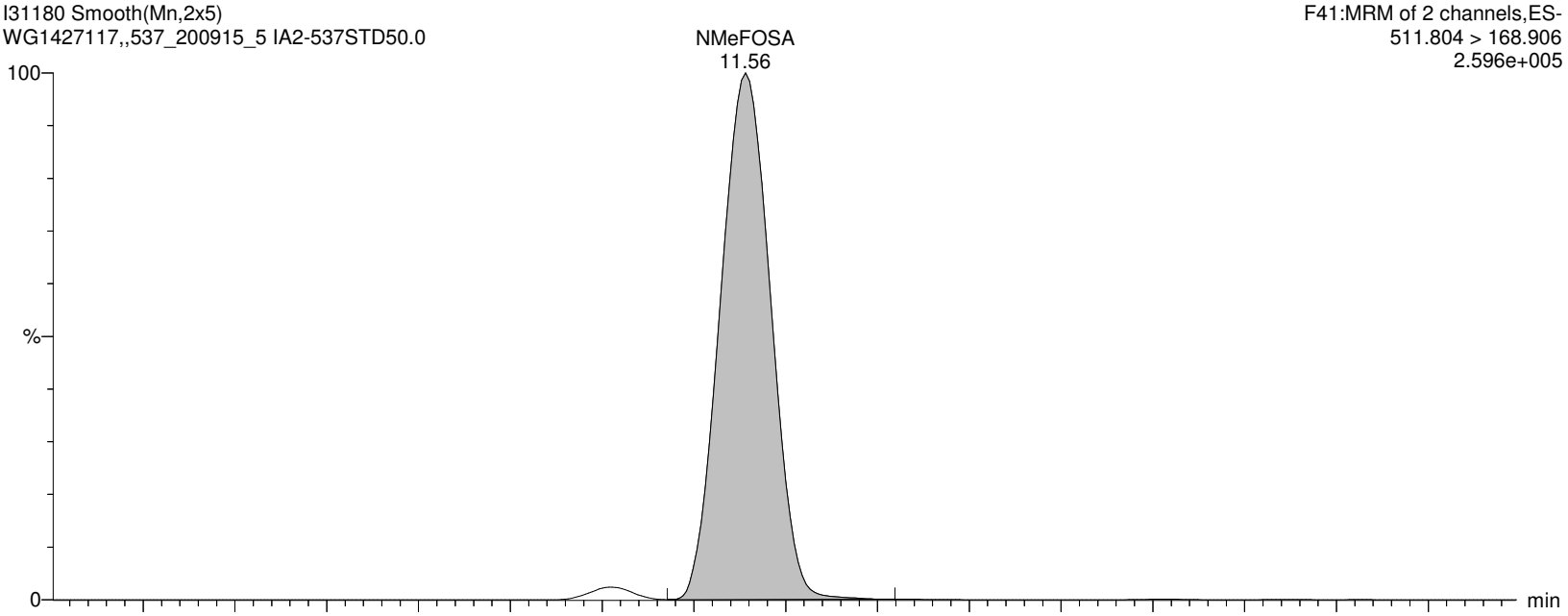

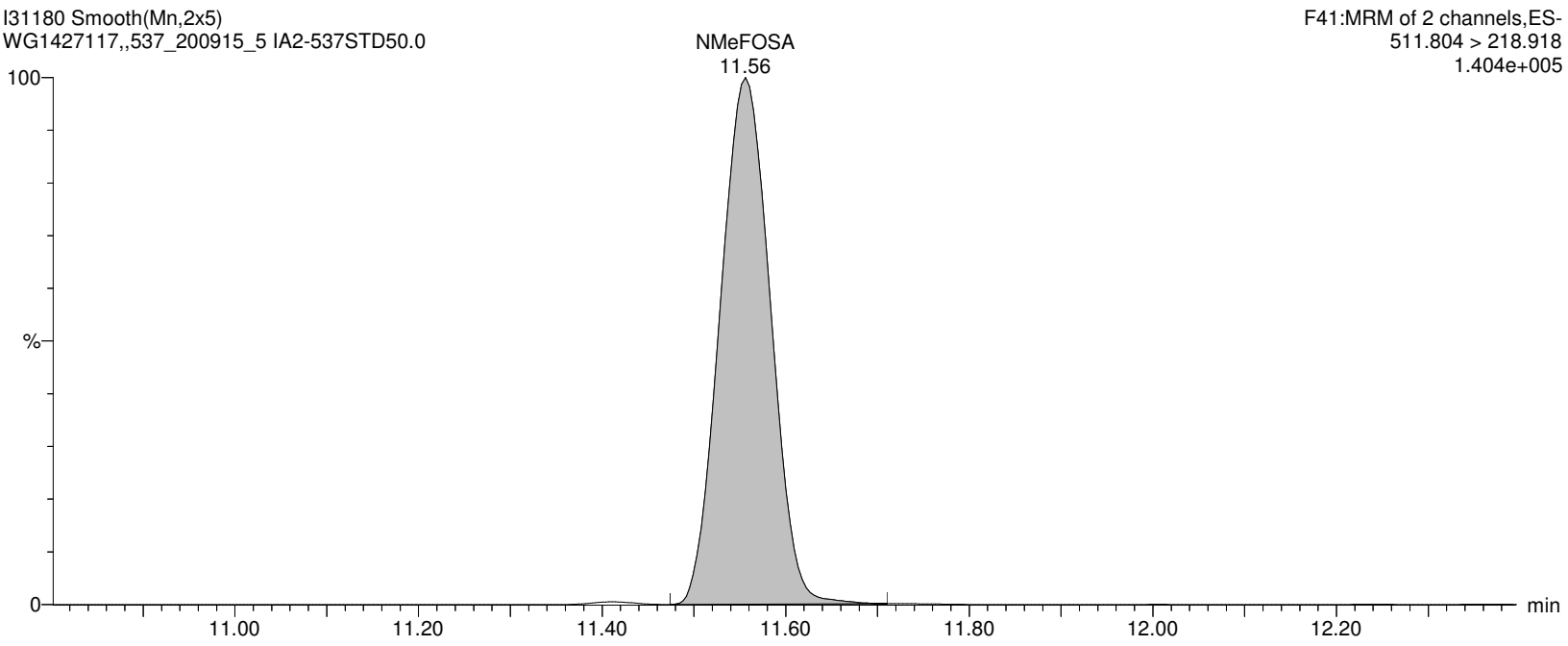

all concentration units in (ng/mL)

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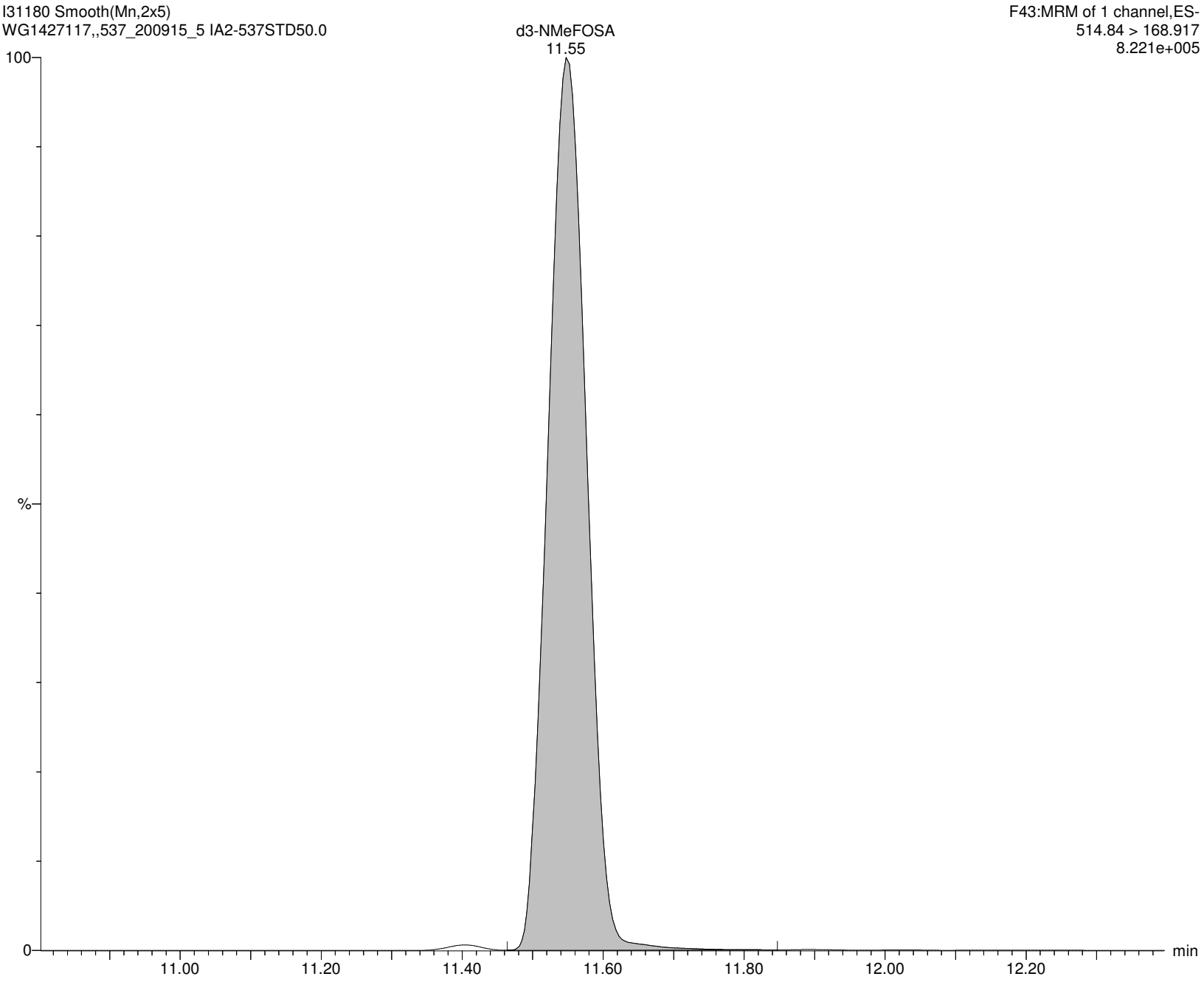
d3-NMeFOSA



all concentration units in (ng/mL)

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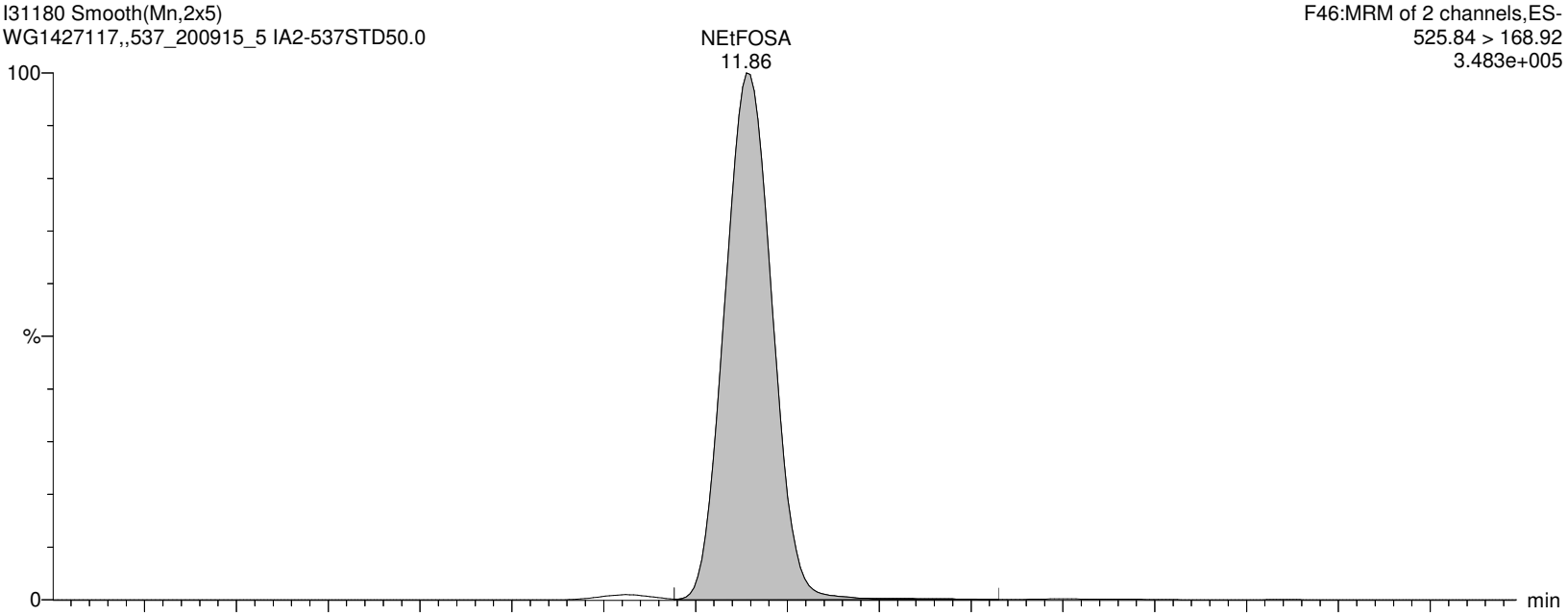
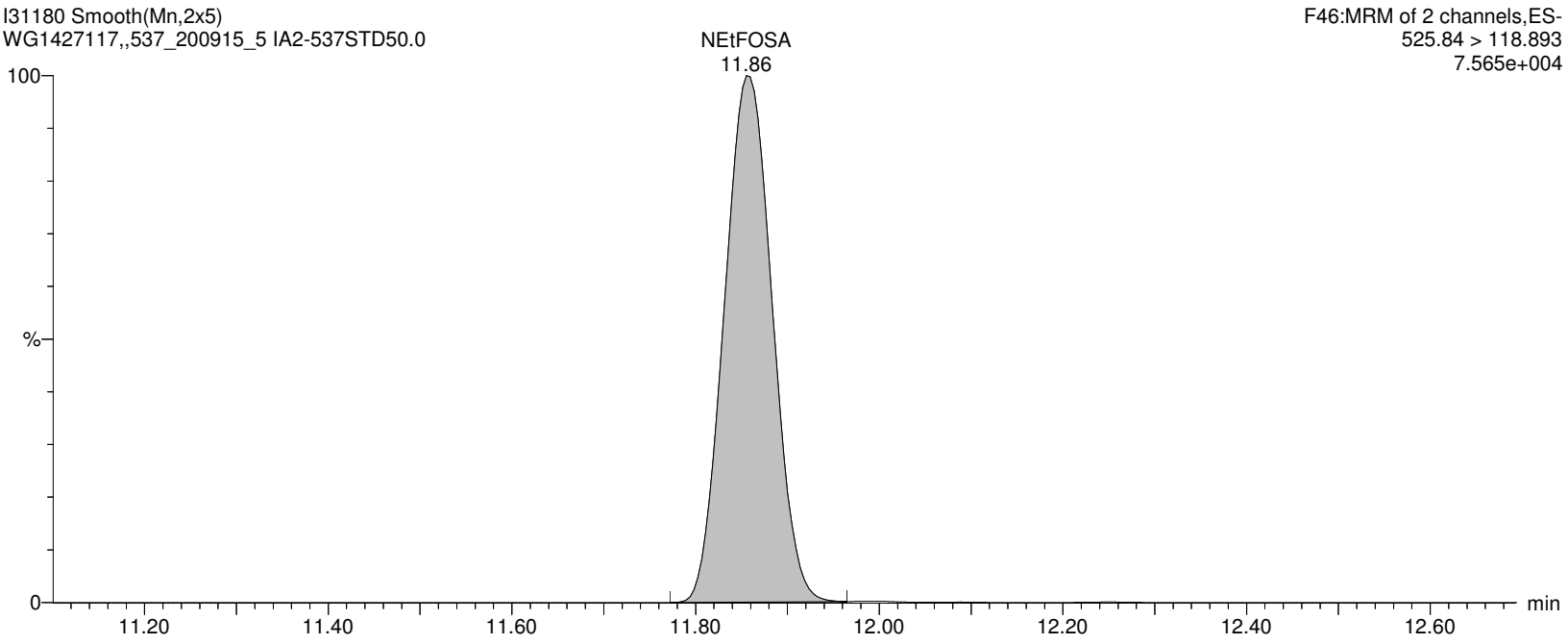
NEtFOSA





all concentration units in (ng/mL)

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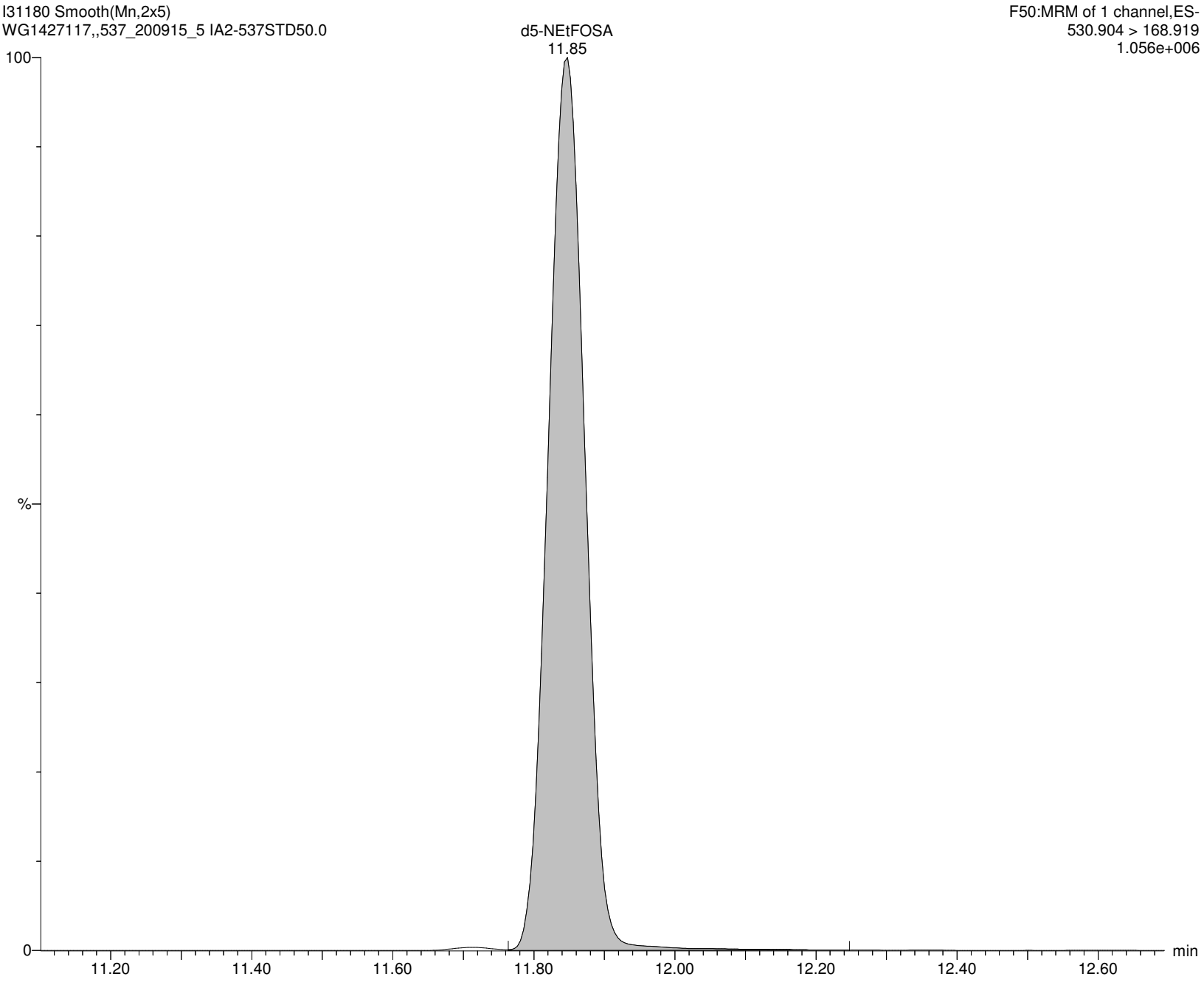
d5-NEtFOSA



all concentration units in (ng/mL)

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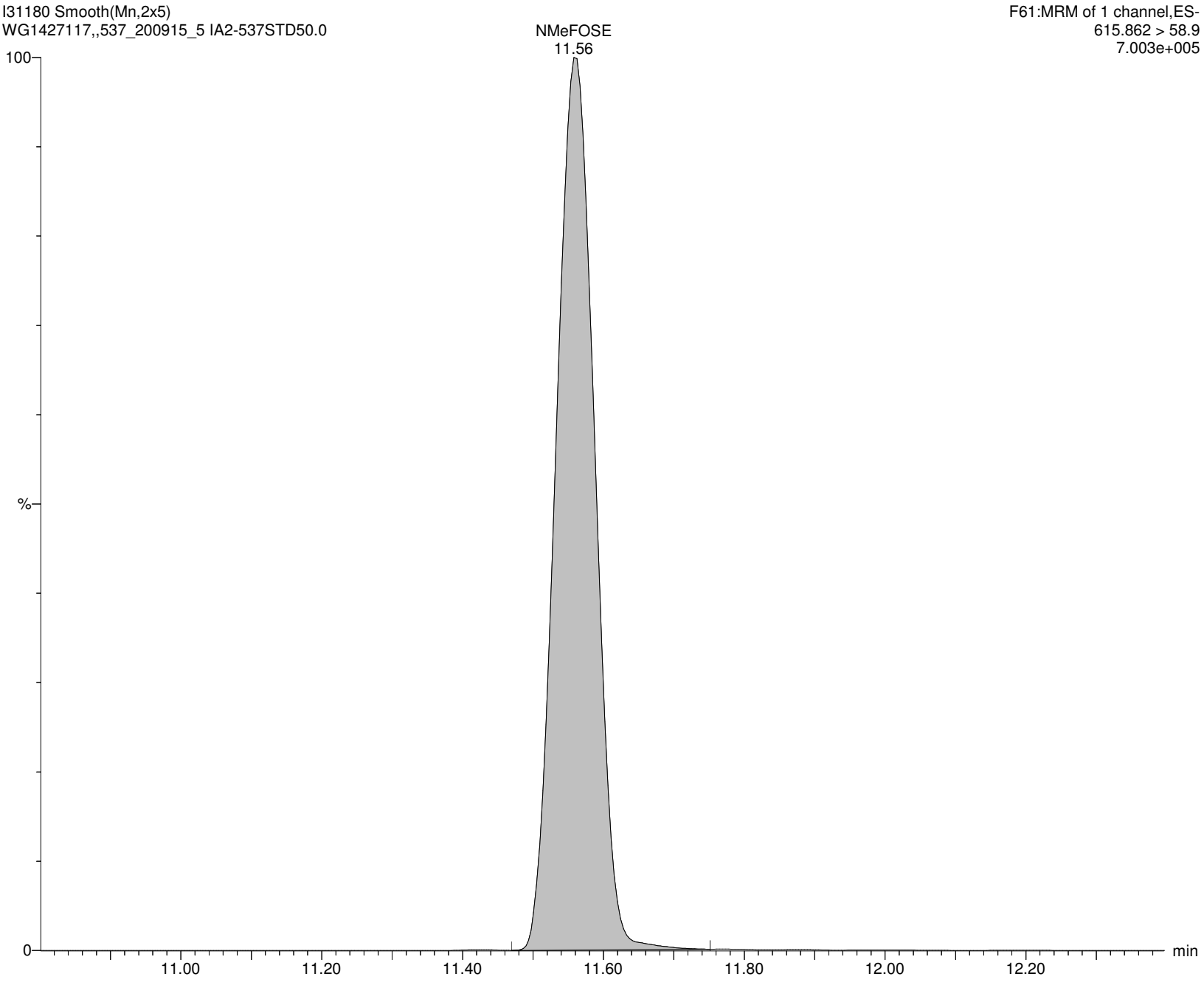
NMeFOSE



all concentration units in (ng/mL)

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Vial: 1:A,6
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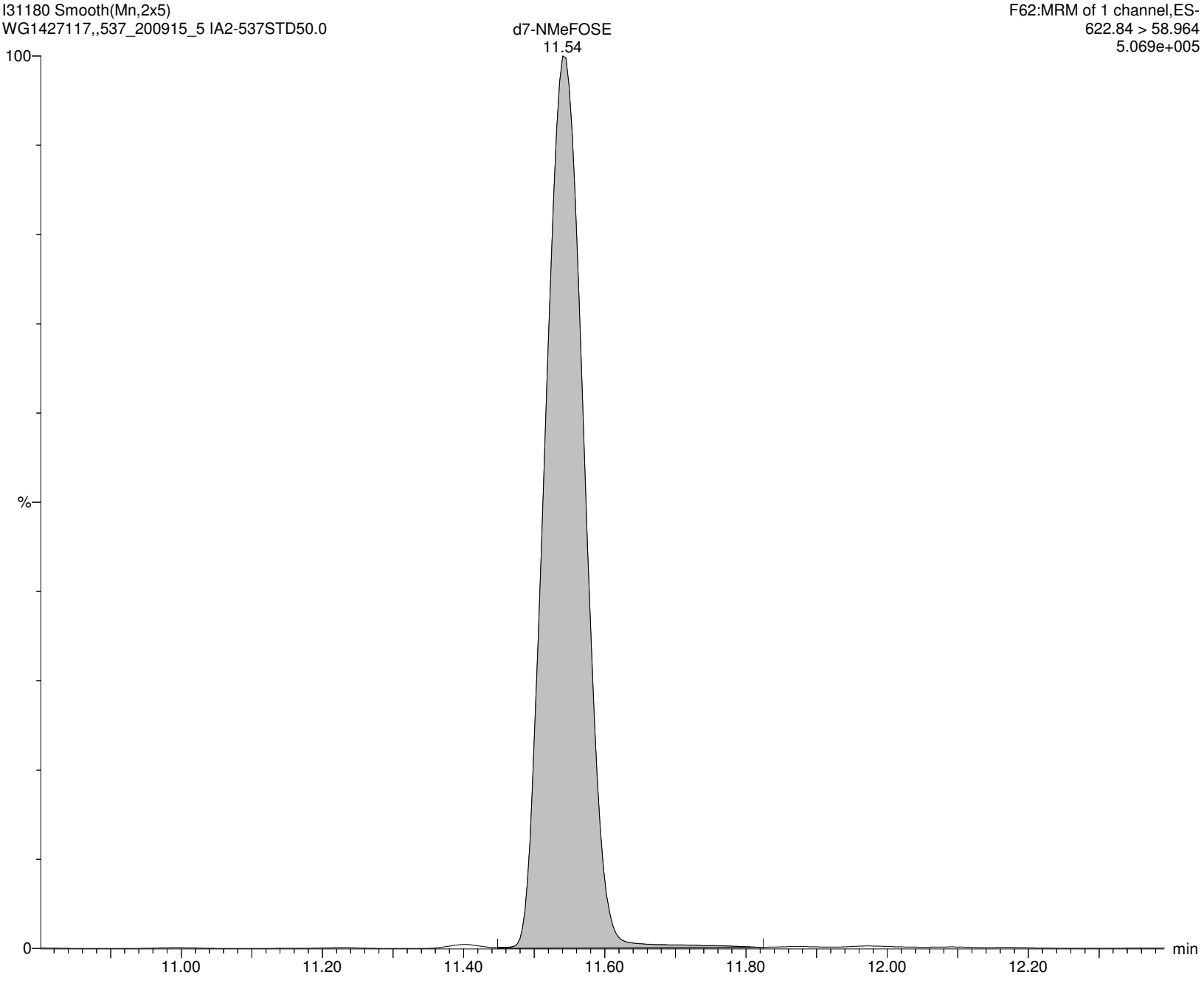

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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Name: I31180
ID: IA2-537STD50.0
Date: 27-Oct-2020
Time: 18:46:51
Description: WG1427117,,537_200915_5
User: LCMS02:JW
Vial: 1:A,6
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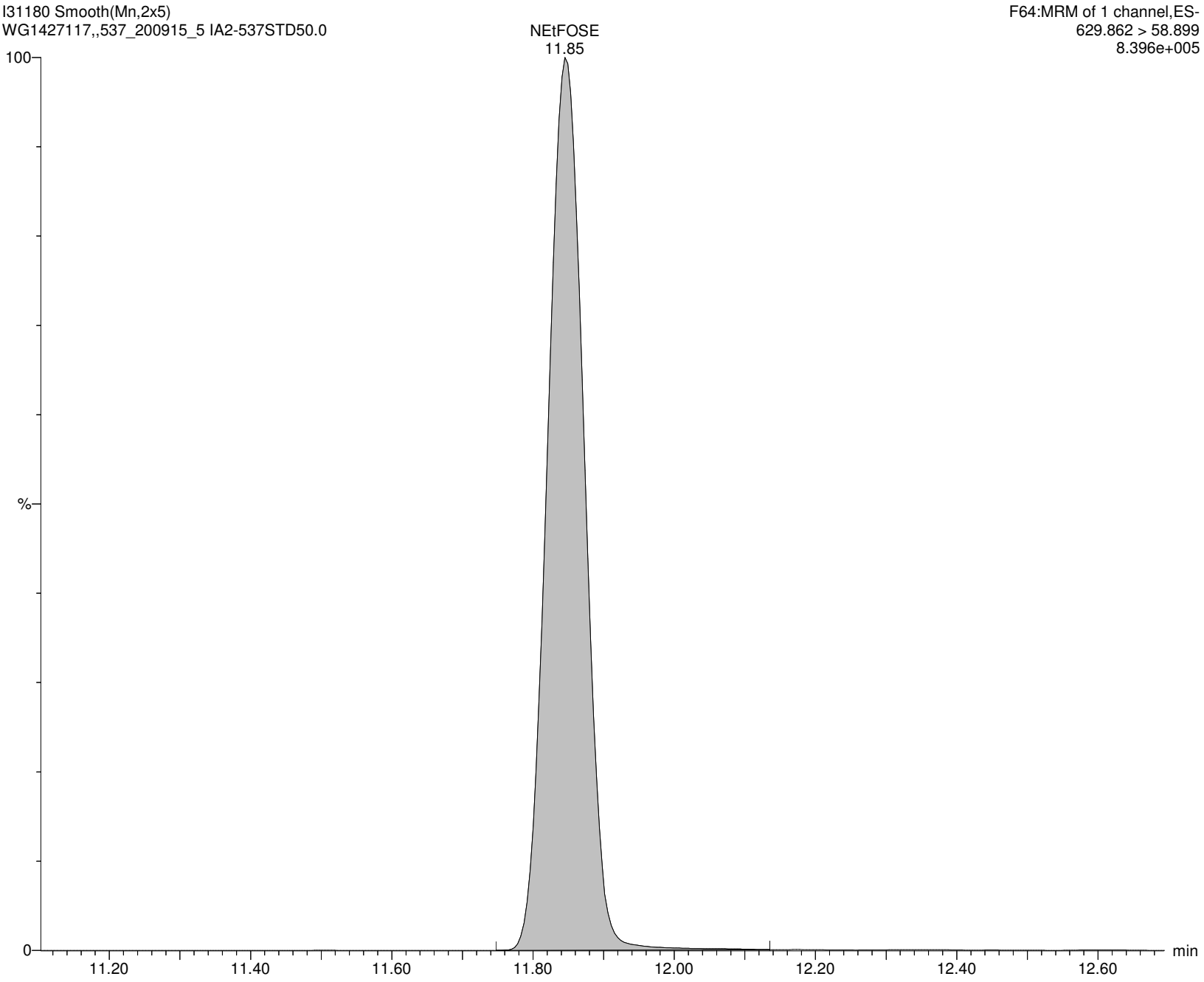
NEtFOSE



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
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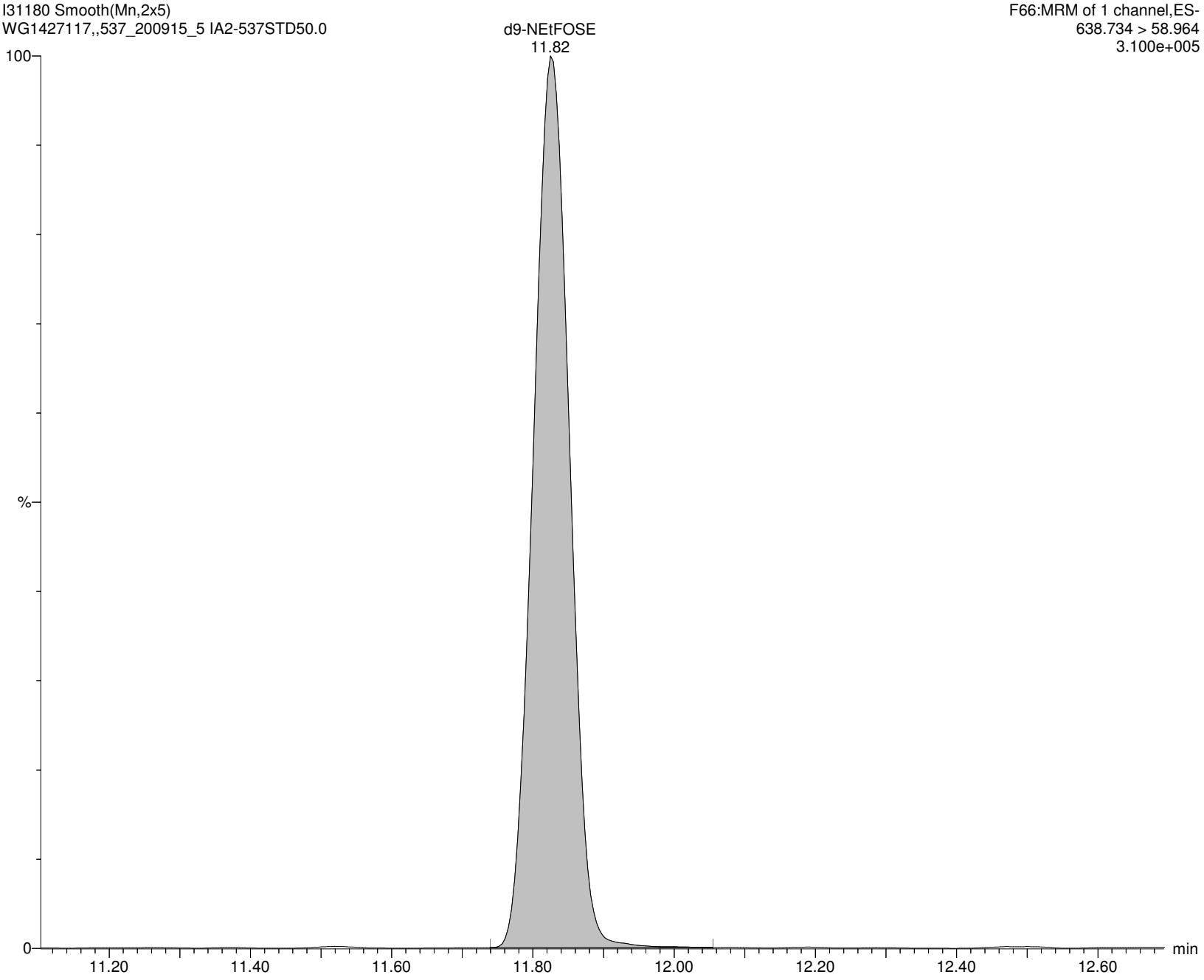

all concentration units in (ng/mL)

Alpha Analytical Inc.
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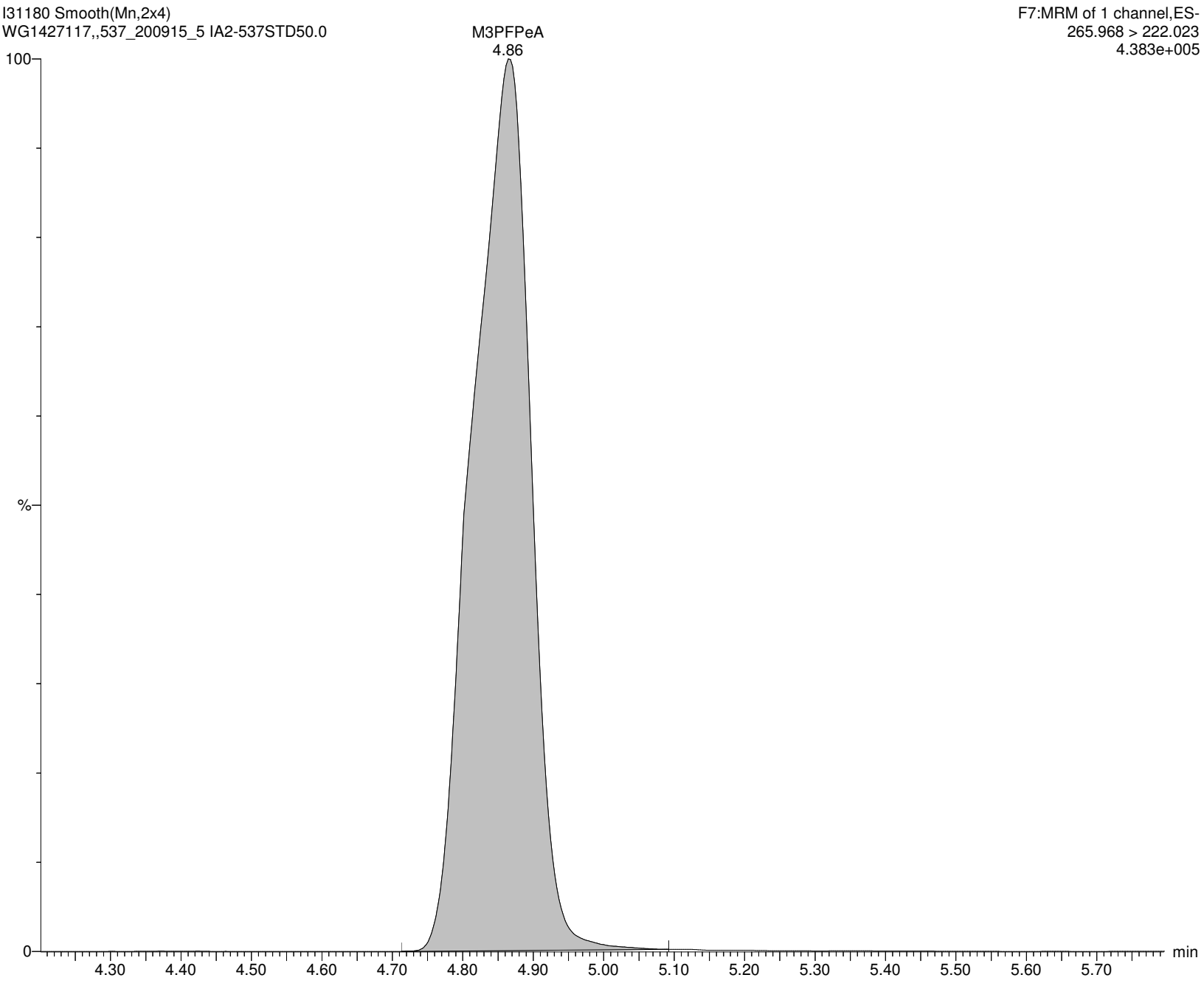

all concentration units in (ng/mL)

Alpha Analytical Inc.
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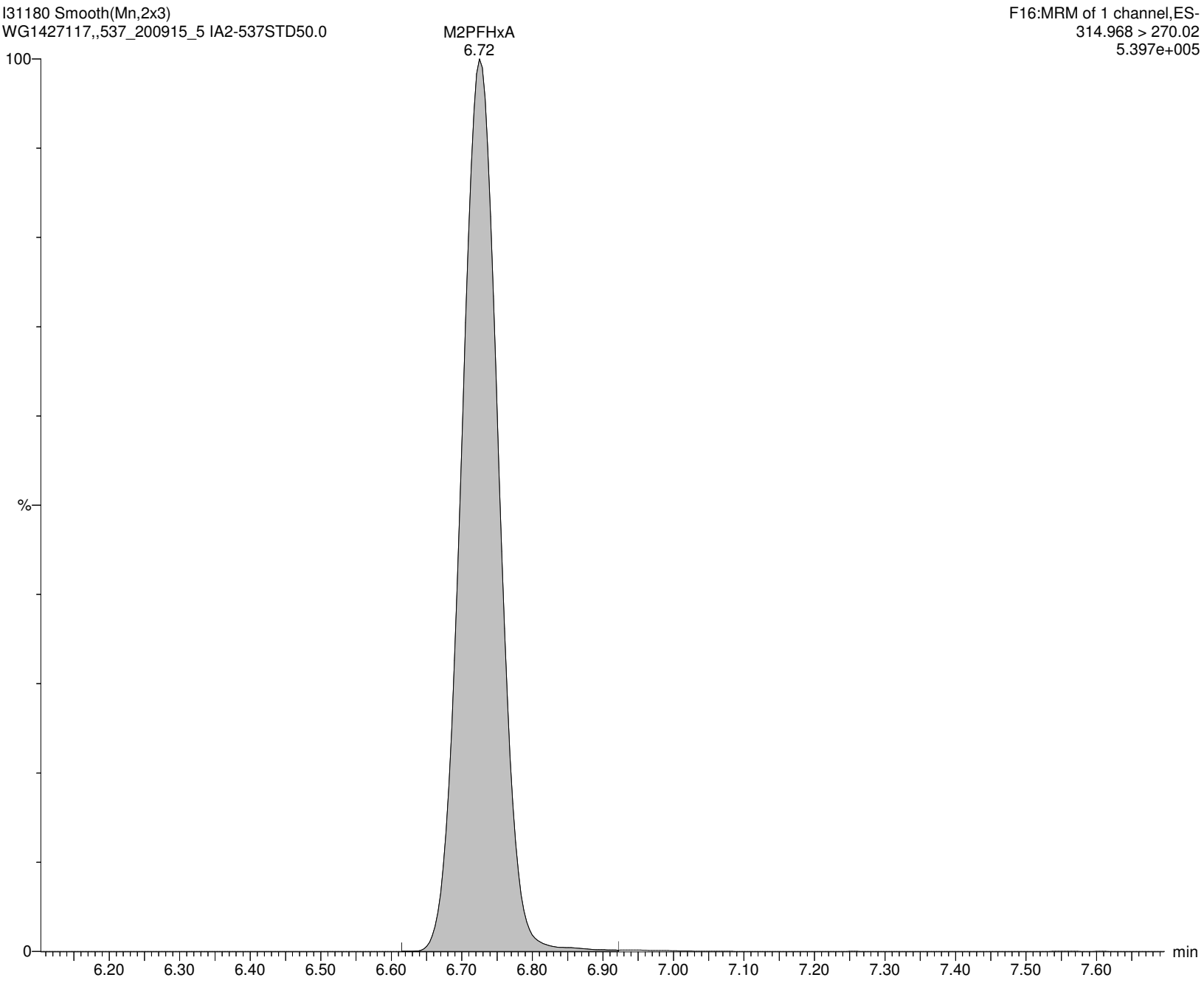

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
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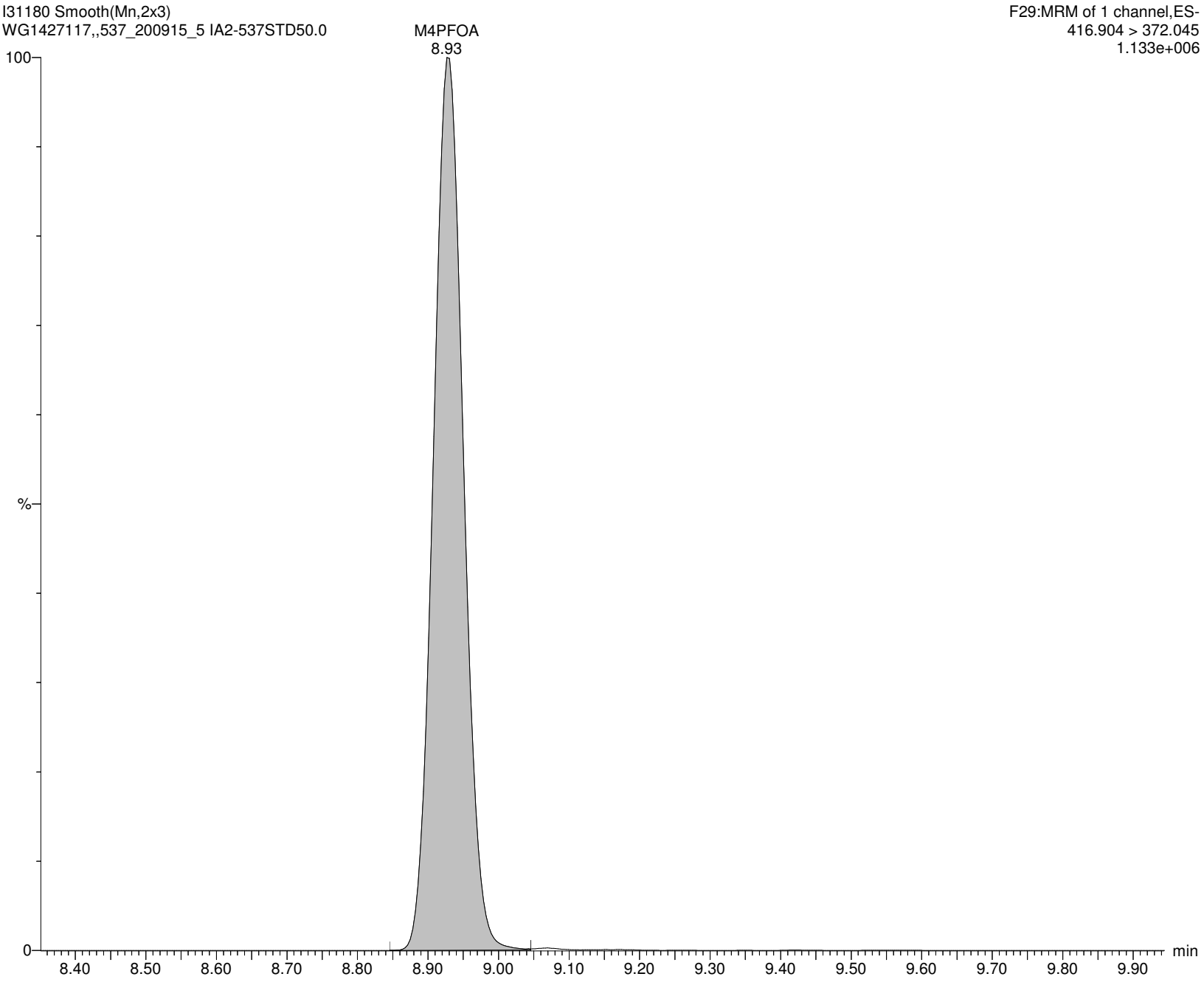

all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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Calibration: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\CurveDB\201027_ISO_ICAL.cdb 28 Oct 2020 10:14:48

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Name: I31181
Date: 27-Oct-2020
Time: 19:03:25
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Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:JW
Inlet Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
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MS Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4	2.01	212.926 > 169.111	396483		146.887		na	97.9
2	M3PFBA	INT STD	2.01	215.926 > 172.122	28558		9.724		na	97.2
3	MPFBA	INT STD	2.01	216.926 > 172.137	35279		10.217		na	102.2
4	PFPeA	2706-90-3	4.85	262.926 > 219.002	468971		146.646		na	97.8
5	M5PFPEA	INT STD	4.85	267.989 > 223.081	44669		10.048		na	100.5
6	PFBS	375-73-5	5.50	298.926 > 79.923	119078		129.456	1.91	NO	97.5
7	M3PFBS	INT STD	5.50	301.989 > 80.254	8707		10.751		na	107.5
8	4:2FTS	757124-72-4	6.64	326.926 > 306.957	26686		124.968	2.19	NO	89.1
9	M2-4:2FTS	INT STD	6.64	329.117 > 309.079	4613		15.545		na	155.4
10	PFHxA	307-24-4	6.72	312.989 > 269.028	512194		147.431	14.71	NO	98.3
11	M5PFHxA	INT STD	6.72	317.989 > 273.045	38097		10.467		na	104.7
12	PFPeS	2706-91-4	7.04	348.926 > 80.251	95086		133.044	2.12	NO	94.4
13	PFHpA	375-85-9	7.99	362.926 > 319.014	667100		146.967	5.57	NO	98.0
14	M4PFHpA	INT STD	7.99	366.926 > 321.979	46998		10.291		na	102.9
15	br-PFHxS	355-46-4	7.92	398.926 > 80.295	19728	M5,M7	24.809	1.92	NO	97.3
16	L-PFHxS	355-46-4	8.15	398.926 > 80.295	82625		106.810	1.46	NO	96.2
17	PFHxS	355-46-4		398.926 > 80.295	102353		131.619		na	
18	M3PFHxS	INT STD	8.15	401.926 > 80.317	7444		10.387		na	103.9
19	br-PFOA	335-67-1		412.989 > 368.9			ND	0.00	YES	
20	L-PFOA	335-67-1	8.93	412.989 > 368.9	770249		147.190	7.55	YES	98.1
21	M2PFOA	INT STD	8.93	415.032 > 369.968	56035		8.972		na	89.7
22	PFOA	335-67-1		412.989 > 368.9	770249		147.190		na	
23	M8PFOA	INT STD	8.93	420.989 > 375.979	62625		10.178		na	101.8
24	6:2FTS	27619-97-2	8.89	427.161 > 407.155	36778		132.446	22.08	YES	92.9
25	M2-6:2FTS	INT STD	8.89	429.146 > 409.14	4764		14.694		na	146.9
26	PFHpS	375-92-8	9.03	448.926 > 80.257	82130		138.279	1.09	NO	97.0
27	PFNA	375-95-1	9.68	462.989 > 418.931	642120		145.691	3.16	NO	97.1
28	M9PFNA	INT STD	9.68	472.053 > 426.947	23598		10.015		na	100.1
29	br-PFOS	1763-23-1	9.55	498.989 > 80.294	34805	M5,M7	29.435	4.29	YES	98.1
30	L-PFOS	1763-23-1	9.73	498.989 > 80.294	86699		107.293	1.76	NO	98.0
31	PFOS	1763-23-1		498.989 > 80.294	121504		136.728		na	
32	M4PFOS	INT STD	9.73	503.032 > 80.306	6617		8.857		na	88.6
33	M8PFOS	INT STD	9.73	507.053 > 80.294	8514		10.299		na	103.0
34	PFDA	335-76-2	10.29	513.053 > 468.906	501363		146.819	4.42	NO	97.9
35	M2PFDA	INT STD	10.29	515.053 > 469.934	35691		8.217		na	82.2
36	M6PFDA	INT STD	10.29	519.053 > 473.931	39822		10.202		na	102.0
37	8:2FTS	39108-34-4	10.28	527.177 > 507.171	16609		125.161	53.66	YES	86.9
38	M2-8:2FTS	INT STD	10.28	529.162 > 509.155	3100		13.728		na	137.3
39	PFNS	68259-12-1	10.32	548.989 > 80.249	94744		140.704	1.39	NO	97.7

all concentration units in (ng/mL)

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ID: IA2-537STD150.0
Name: I31181
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Time: 19:03:25
Description: WG1427117,,537_200915_6
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:JW
Inlet Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\200520_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.70	573.22 > 419.061	4567		11.224		na	112.2
41	br-NMeFOSAA		10.55	570.202 > 419.061	6607	m5,m7	39.521	1.31	YES	109.8
42	L-NMeFOSAA		10.71	570.202 > 419.061	51011		121.758	2.64	YES	106.8
43	NMeFOSAA	2355-31-9		570.202 > 419.061	57618		161.279		na	
44	PFUnA	2058-94-8	10.82	562.989 > 518.903	437460		147.040	6.21	NO	98.0
45	M7-PFUDA	INT STD	10.82	570.053 > 524.923	31903		9.564		na	95.6
46	PFDS	335-77-3	10.83	598.926 > 80.314	92645		141.210	1.46	NO	97.6
47	FOSA	754-91-6	10.93	498.146 > 78.07	360123		144.249	131.48	NO	96.2
48	M8FOSA	INT STD	10.93	506.077 > 78.07	28611		11.081		na	110.8
49	br-NEtFOSAA		10.86	584.229 > 419.061	4256	m5,m7	32.795	1.63	NO	97.2
50	L-NEtFOSAA		11.00	584.229 > 419.061	37455		114.170	3.39	NO	98.2
51	NEtFOSAA	2991-50-6		584.229 > 419.061	41710		146.965		na	
52	d5-NEtFOSAA	INT STD	11.00	589.259 > 419.061	3951		12.176		na	121.8
53	PFDoA	307-55-1	11.27	612.989 > 568.967	582866		146.192	11.85	NO	97.5
54	MPFDOA	INT STD	11.27	614.989 > 569.92	40389		10.779		na	107.8
55	PFTrDA	72629-94-8	11.67	663.053 > 618.969	533731		141.664	10.02	NO	94.4
56	PFTA	376-06-7	12.02	713.053 > 668.976	573341		148.032	6.96	NO	98.7
57	M2PFTEDA	INT STD	12.02	715.094 > 670.092	20314		11.040		na	110.4
58	M3HFPO-DA	INT STD	7.14	287.02 > 169.022	2699		121.594		na	60.8
59	HFPO-DA	13252-13-6	7.13	284.819 > 169.094	32814		2720.331	1.08	YES	90.7
60	ADONA	958445-44-8	8.17	376.926 > 251.005	944253		139.628		na	98.4
61	PFHxDA		12.55	813.253 > 769.005	249815		145.260		na	96.8
62	PFODA		12.77	913.411 > 869.131	129850		147.465		na	98.3
63	M2PFHxDA		12.56	815.372 > 770.158	12420		11.179		na	111.8
64	PFDoS		11.66	699.154 > 80.062	104881		144.059		na	96.0
65	10:2FTS		11.28	627.192 > 607.186	18130	m4	126.719		na	87.6
66	9CL-PF3ONS		10.08	530.862 > 350.843	381718		134.429		na	96.2
67	11CL-PFOUdS		11.08	630.862 > 450.854	357390		139.033		na	98.4
68	NMeFOSA		11.55	511.804 > 168.906	47214		144.867	1.92	NO	96.6
69	d3-NMeFOSA		11.54	514.84 > 168.917	50305		128.327		na	116.7
70	NEtFOSA		11.85	525.84 > 168.92	58884		142.925	4.40	NO	95.3
71	d5-NEtFOSA		11.84	530.904 > 168.919	62863		130.832		na	118.9
72	NMeFOSE		11.56	615.862 > 58.9	118090		143.673		na	95.8
73	d7-NMeFOSE		11.54	622.84 > 58.964	30667		128.945		na	117.2
74	NEtFOSE		11.84	629.862 > 58.899	136153		143.138		na	95.4
75	d9-NEtFOSE		11.82	638.734 > 58.964	19063		137.846		na	125.3
76	M3PFPeA		4.87	265.968 > 222.023	41997		9.966		na	99.7
77	M2PFHxA		6.72	314.968 > 270.02	31967		9.658		na	96.6
78	M4PFOA		8.93	416.904 > 372.045	51512		9.116		na	91.2

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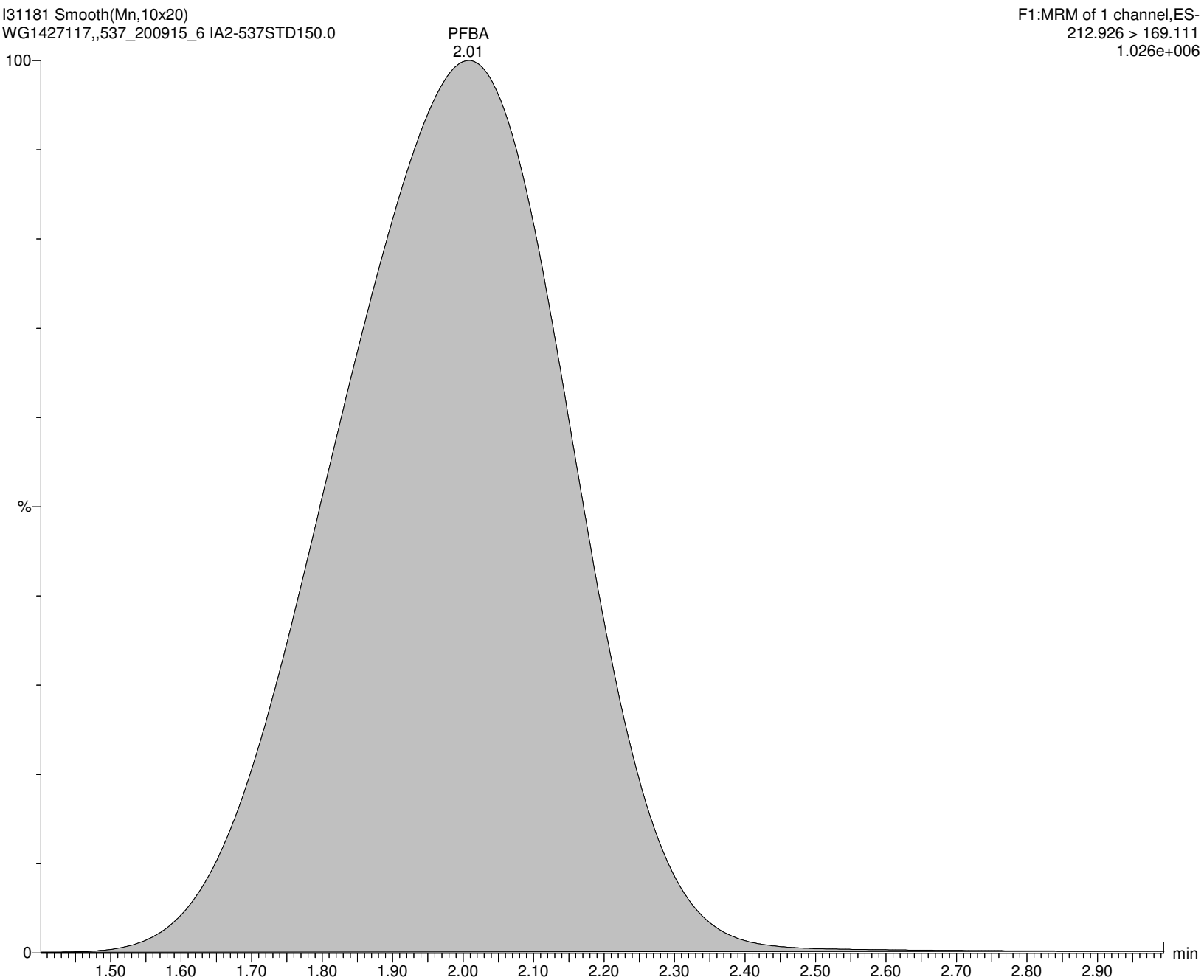

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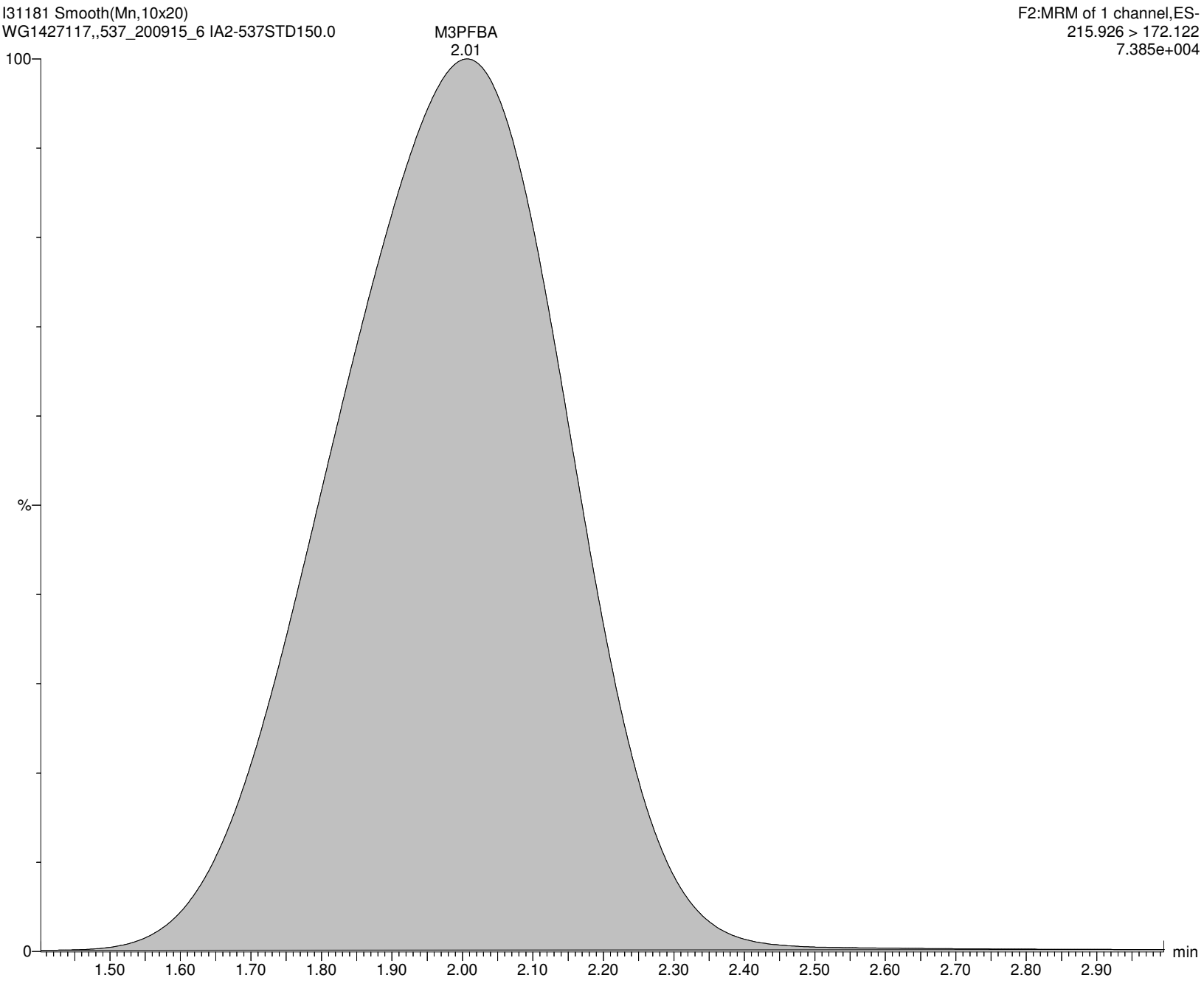

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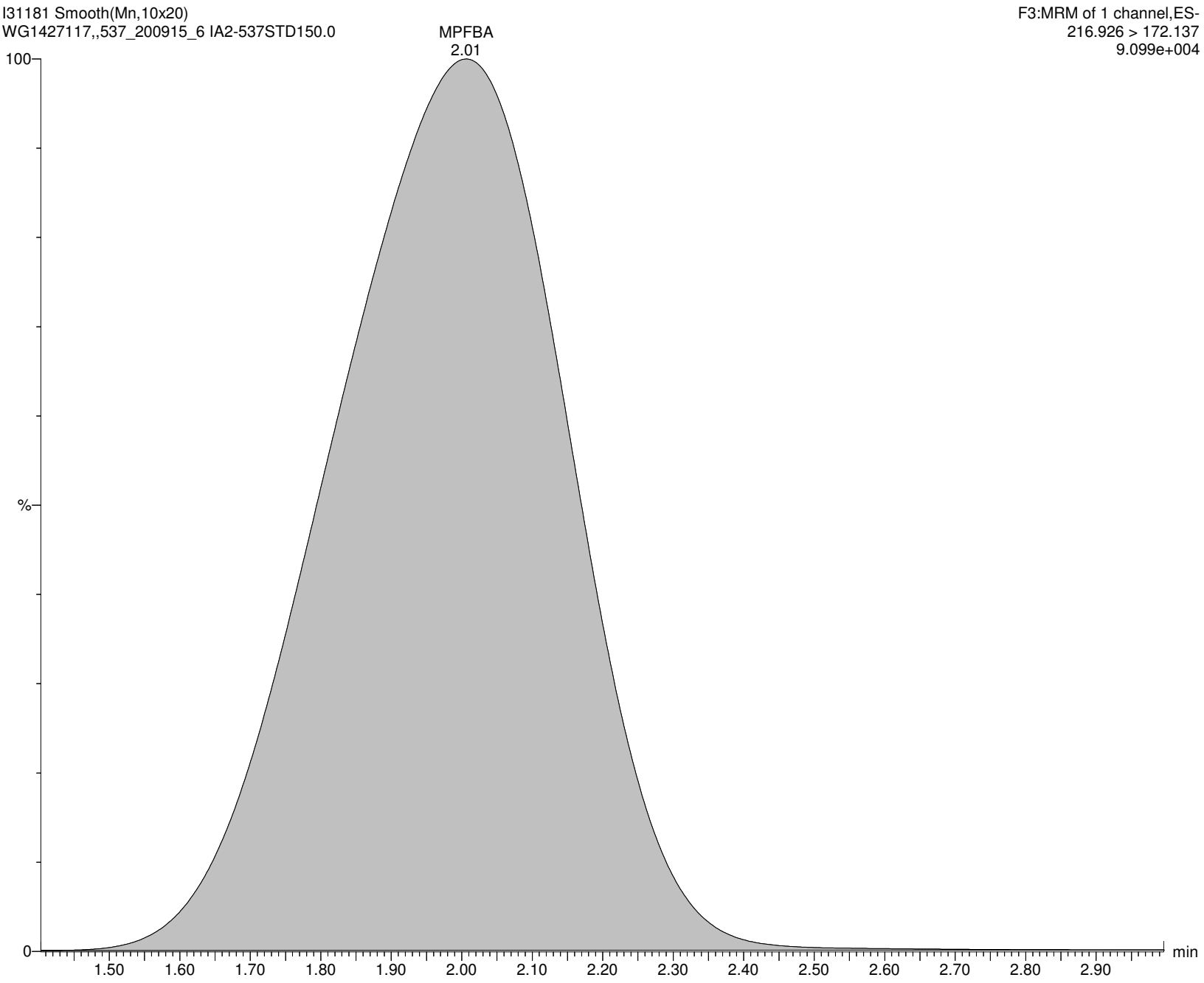

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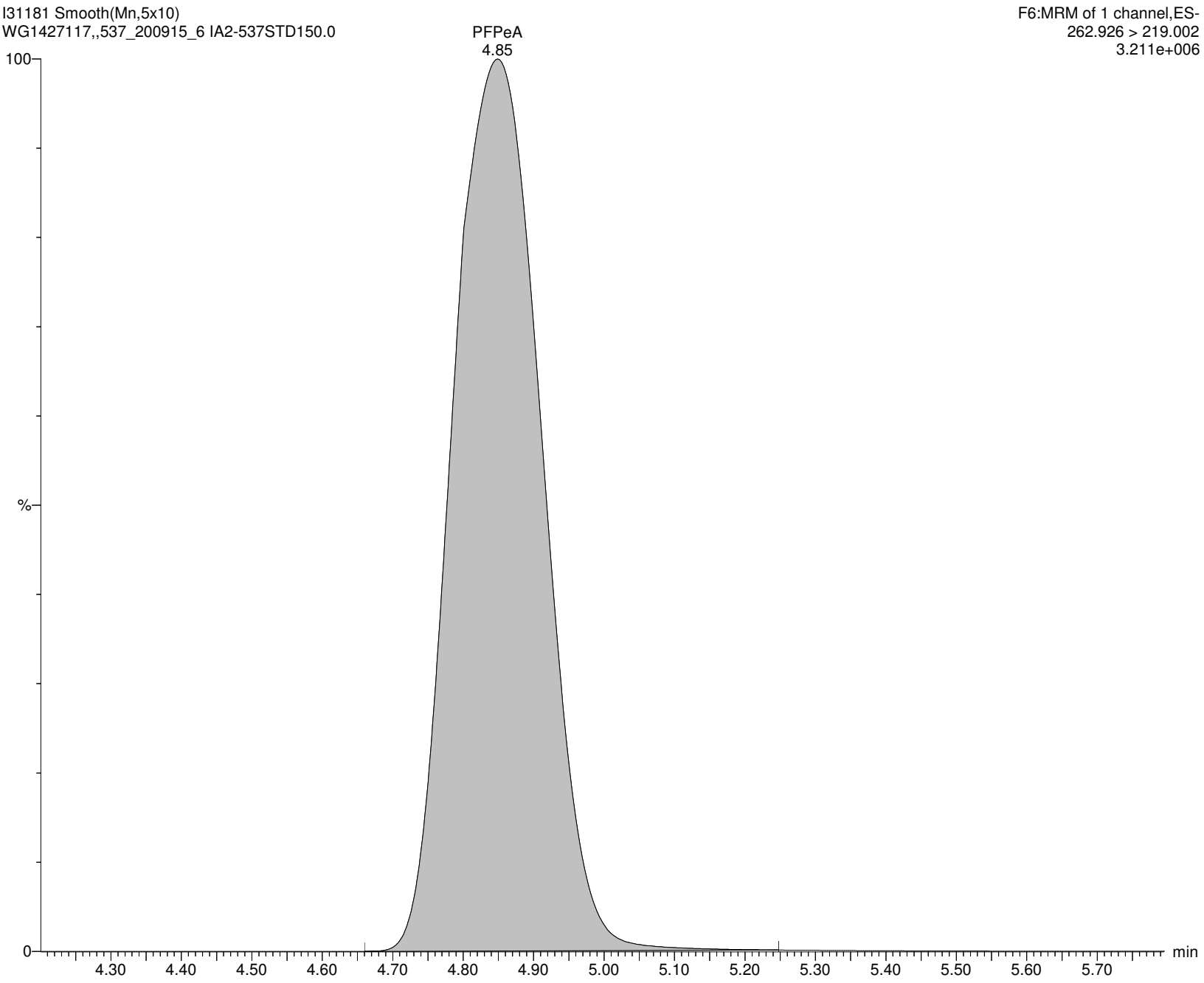

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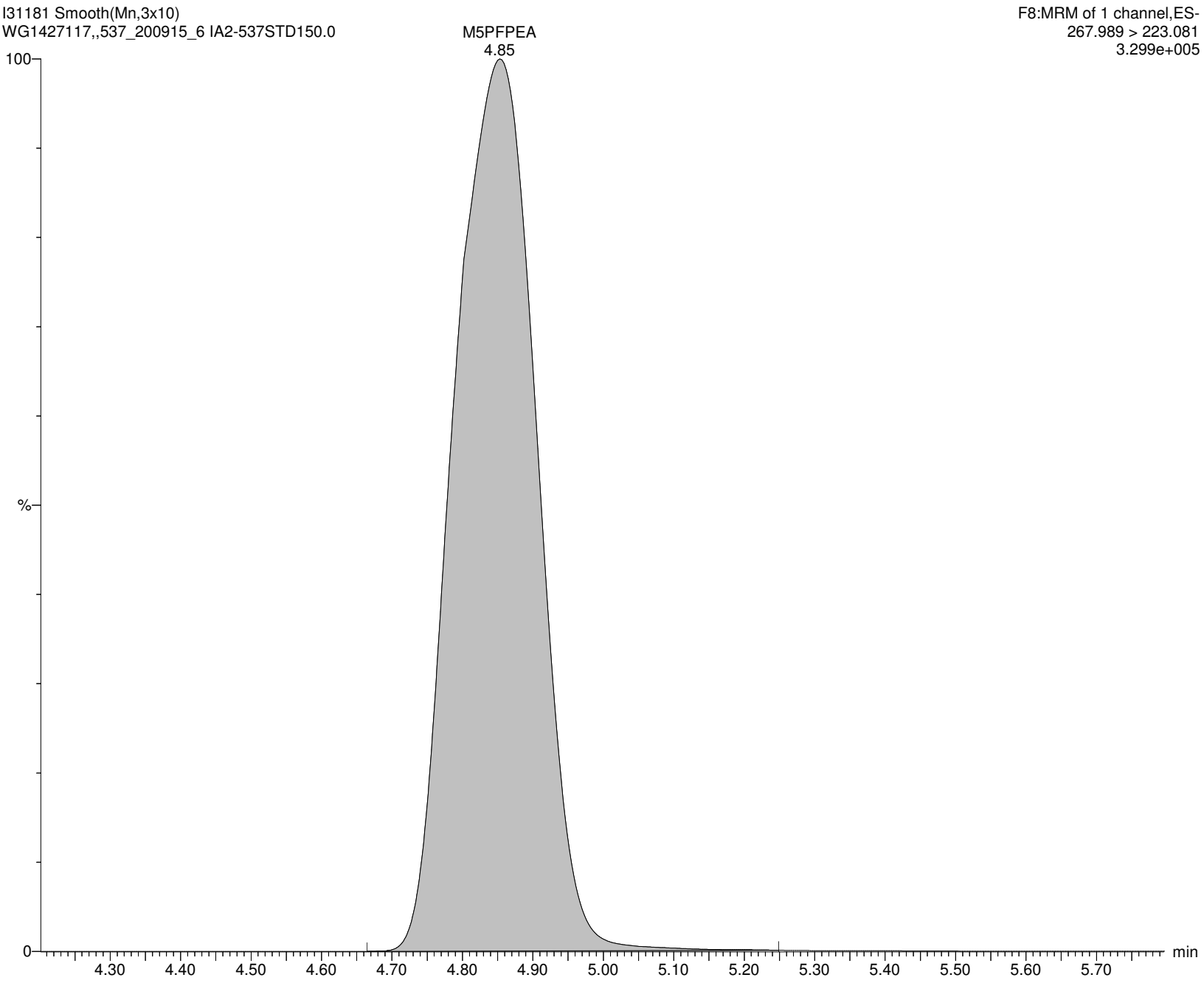

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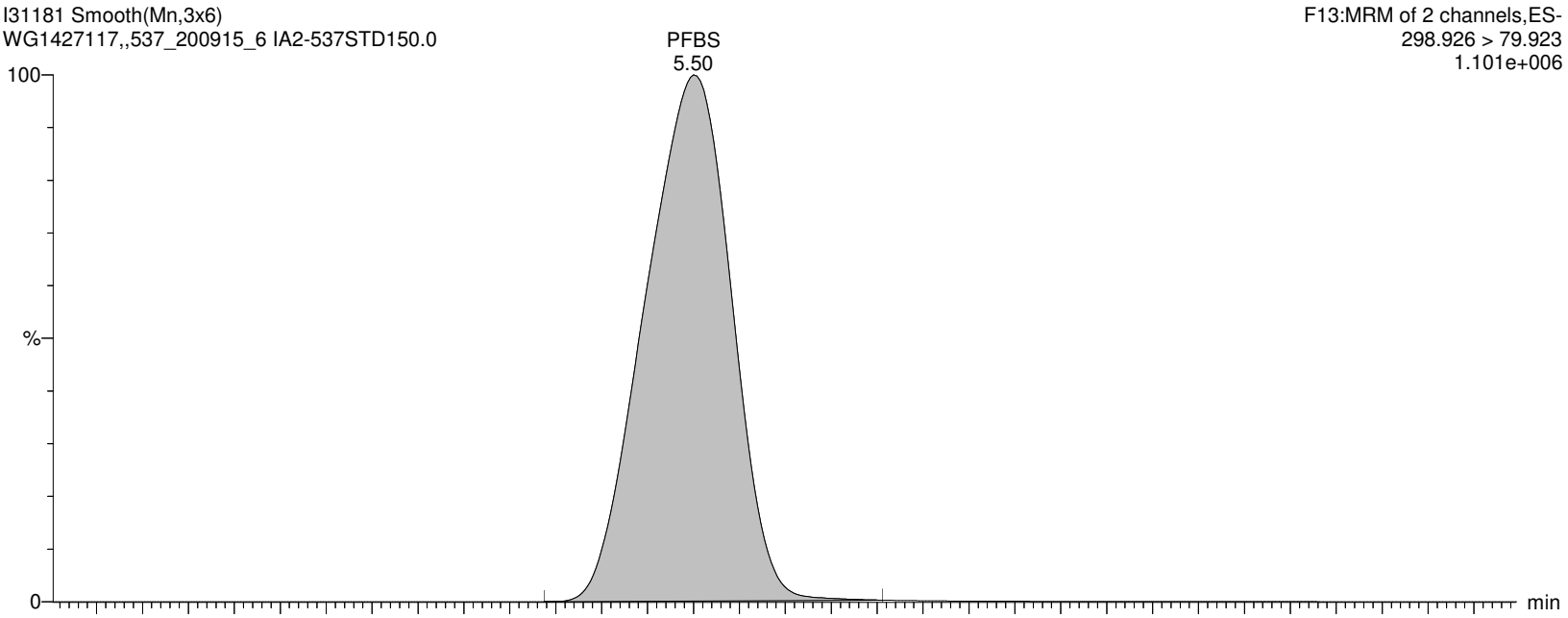

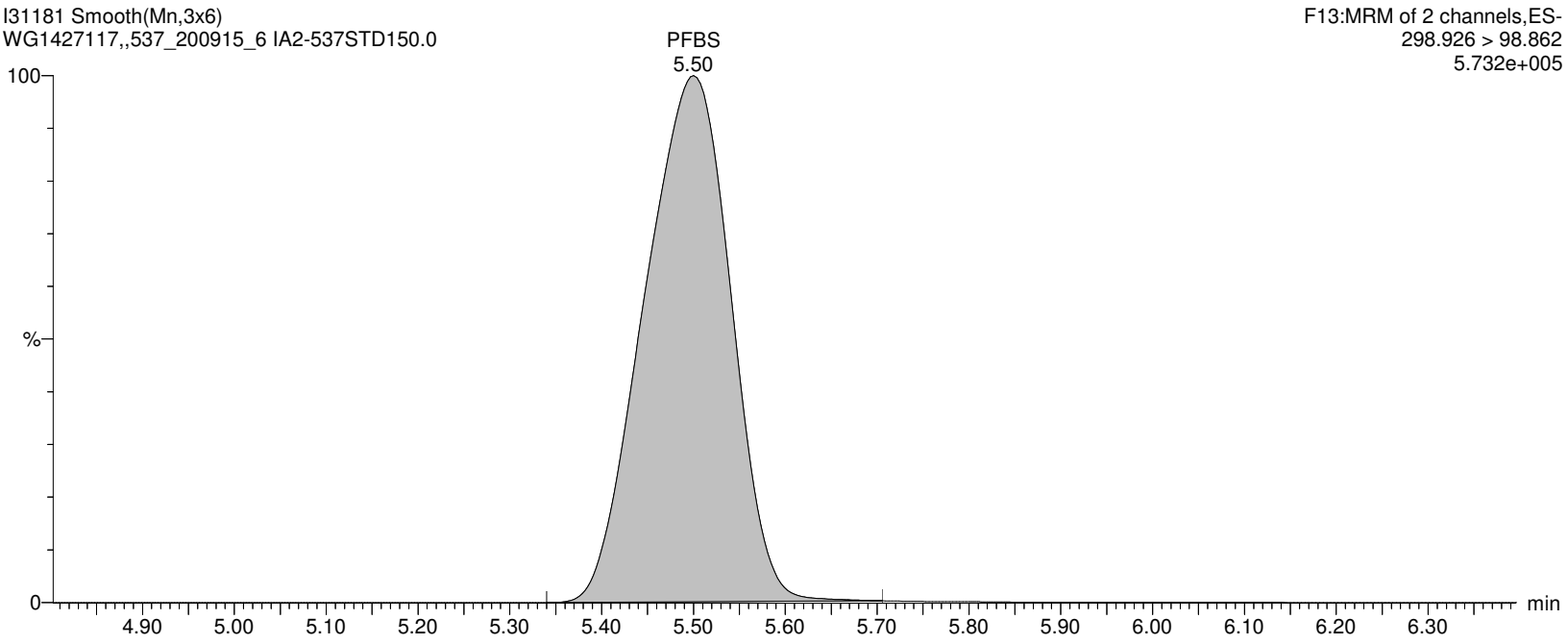

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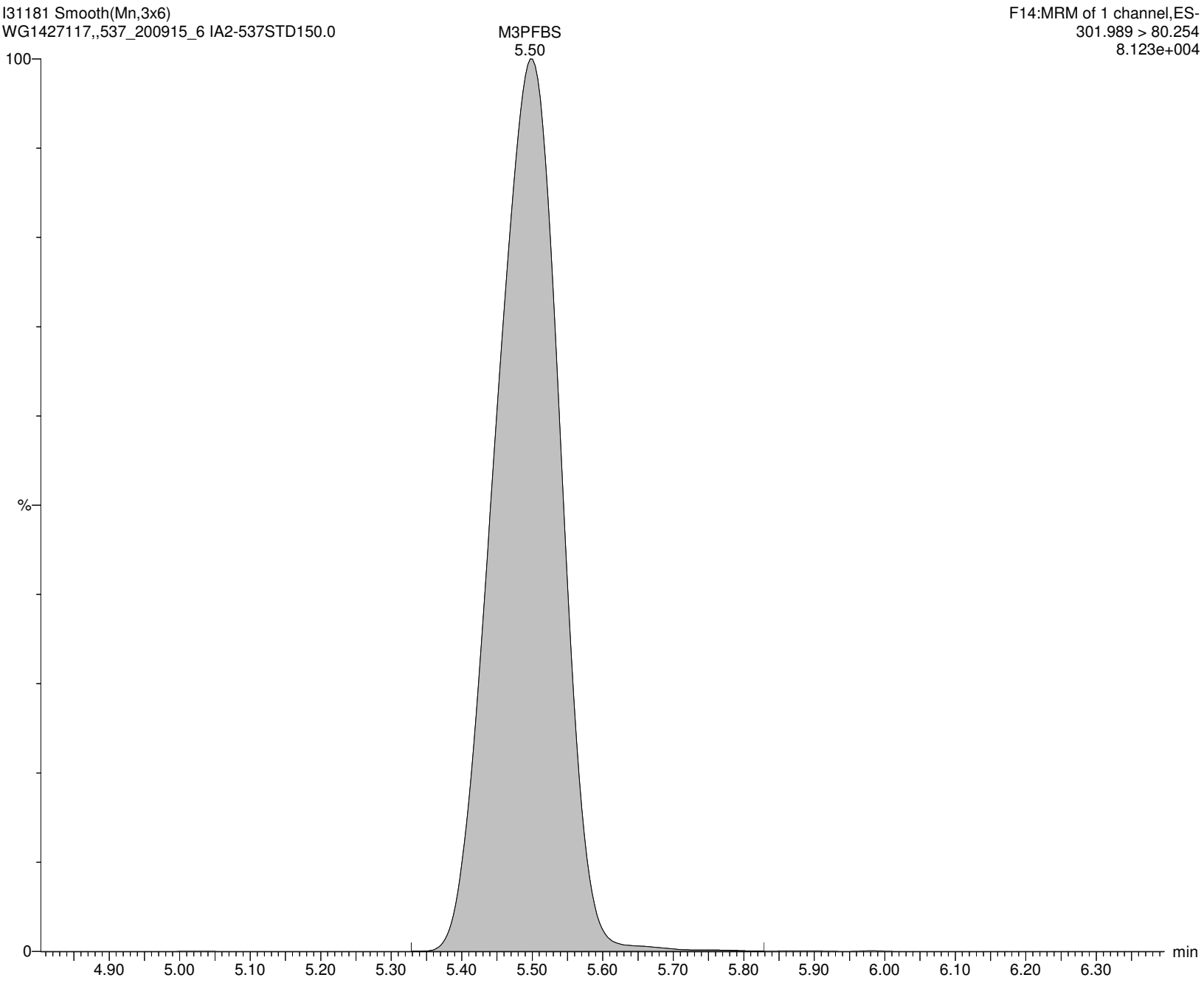

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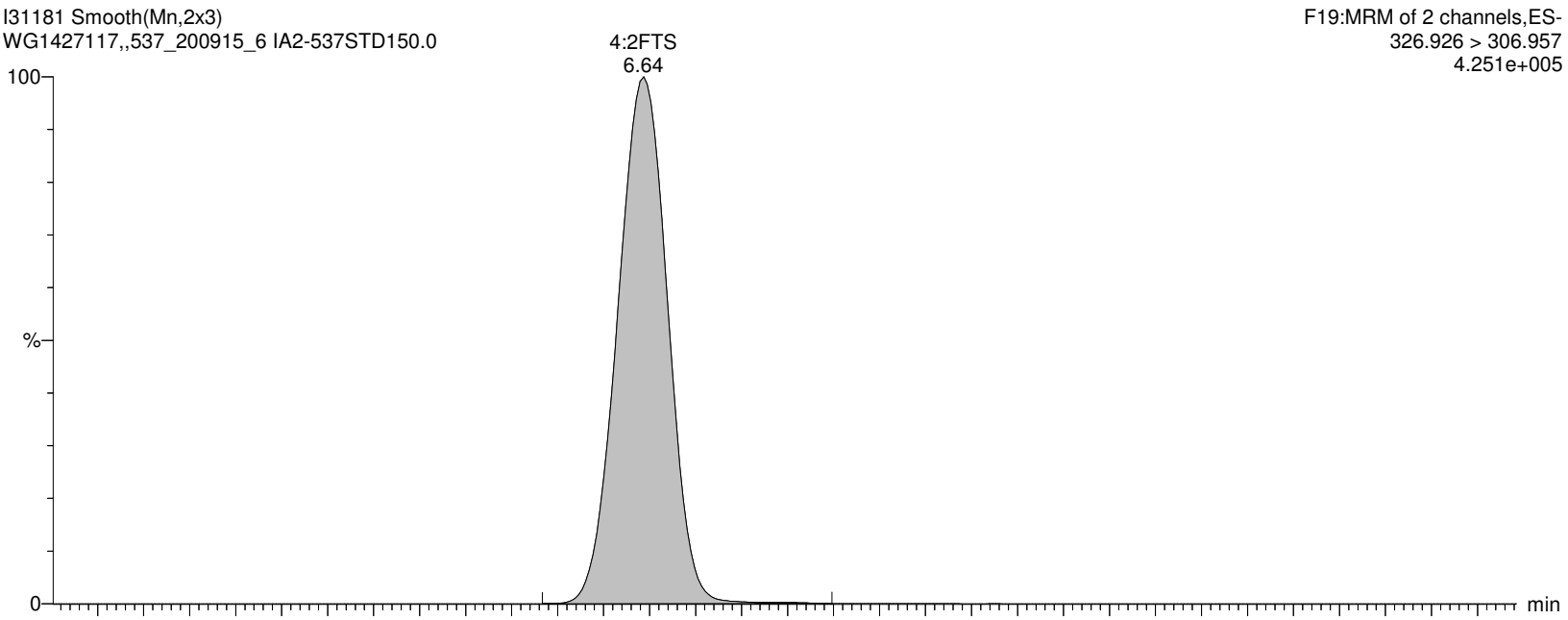

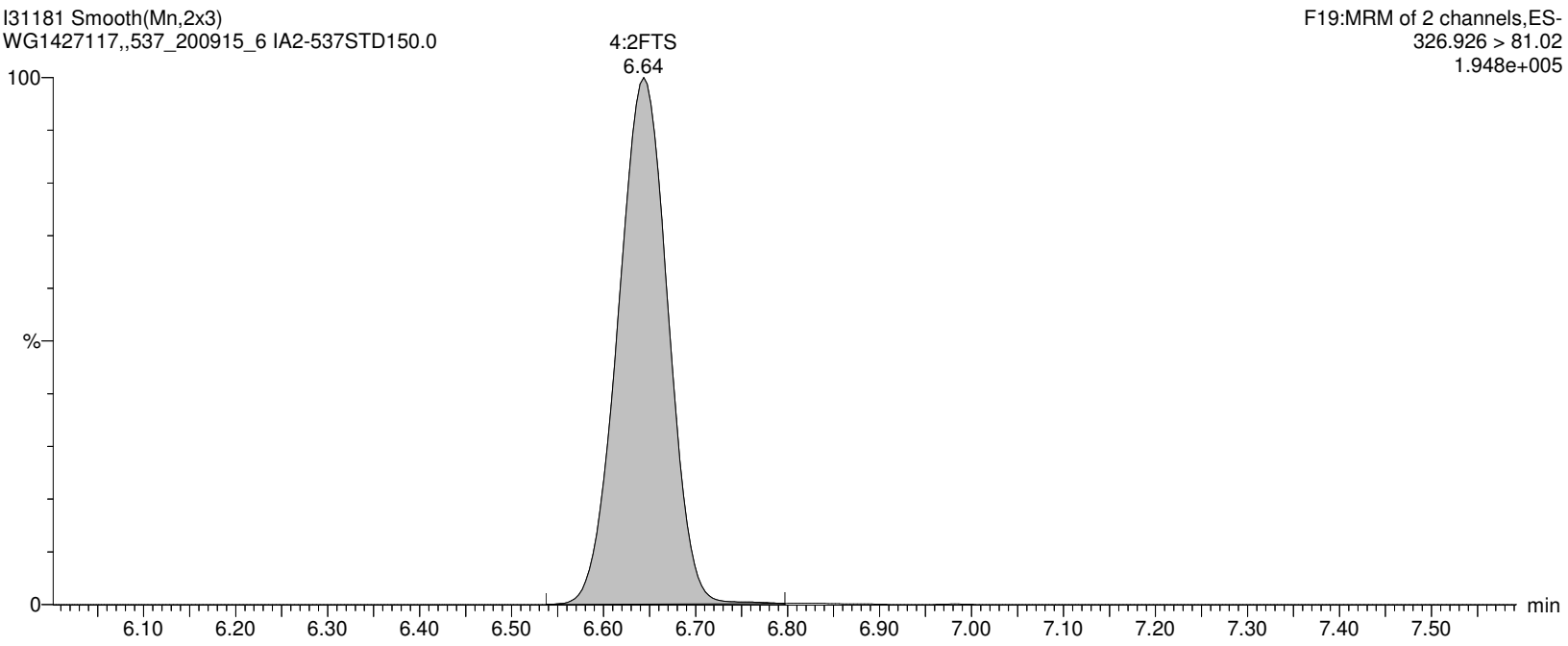

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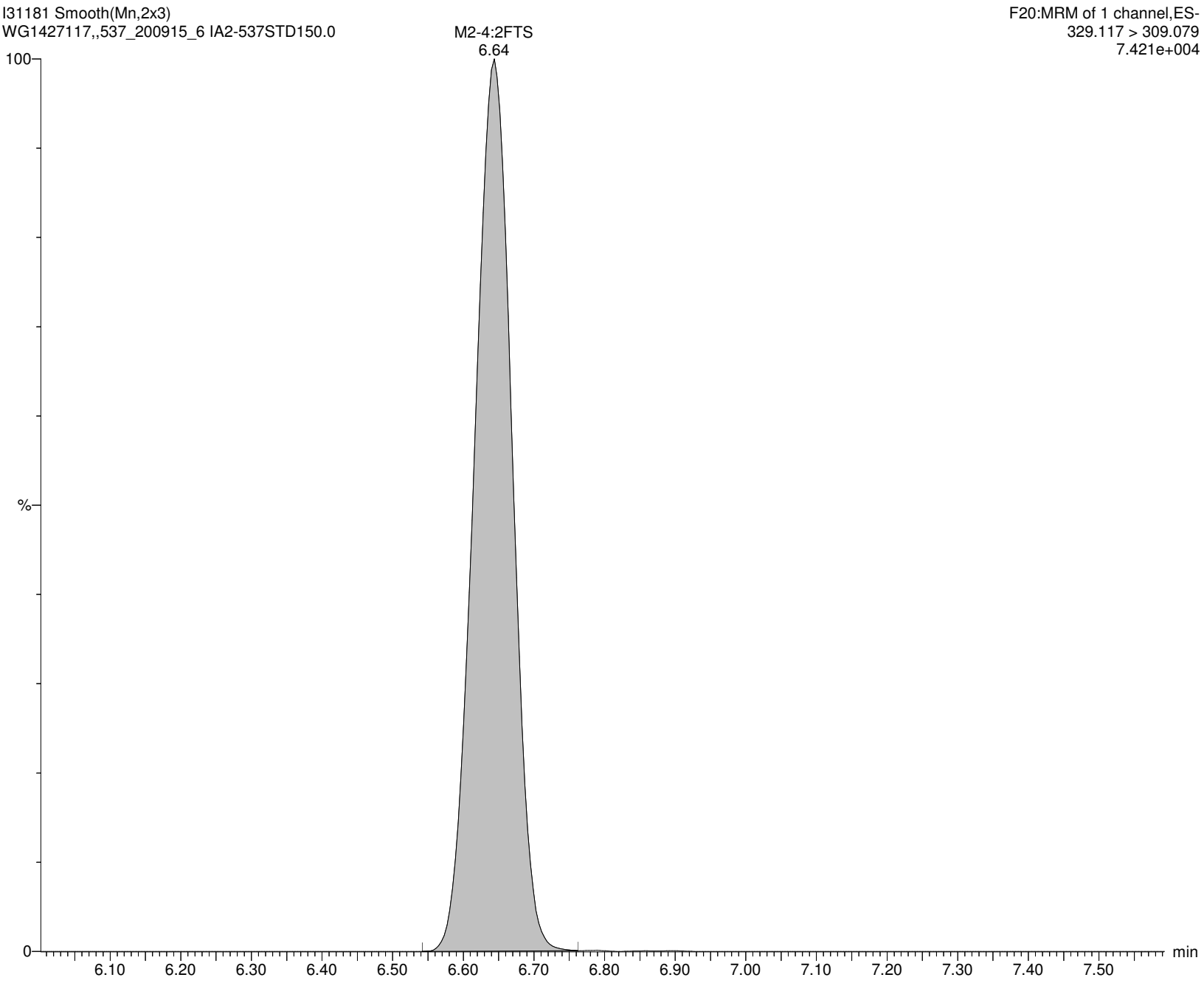

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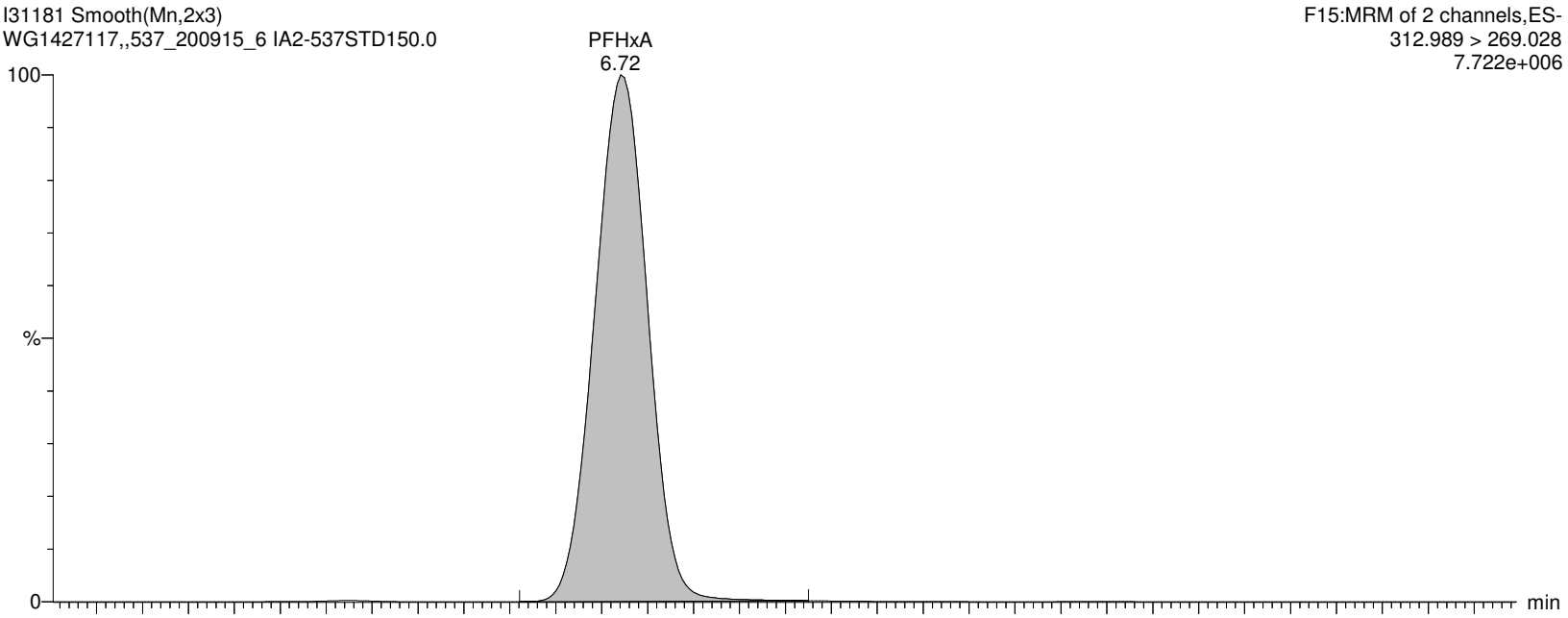

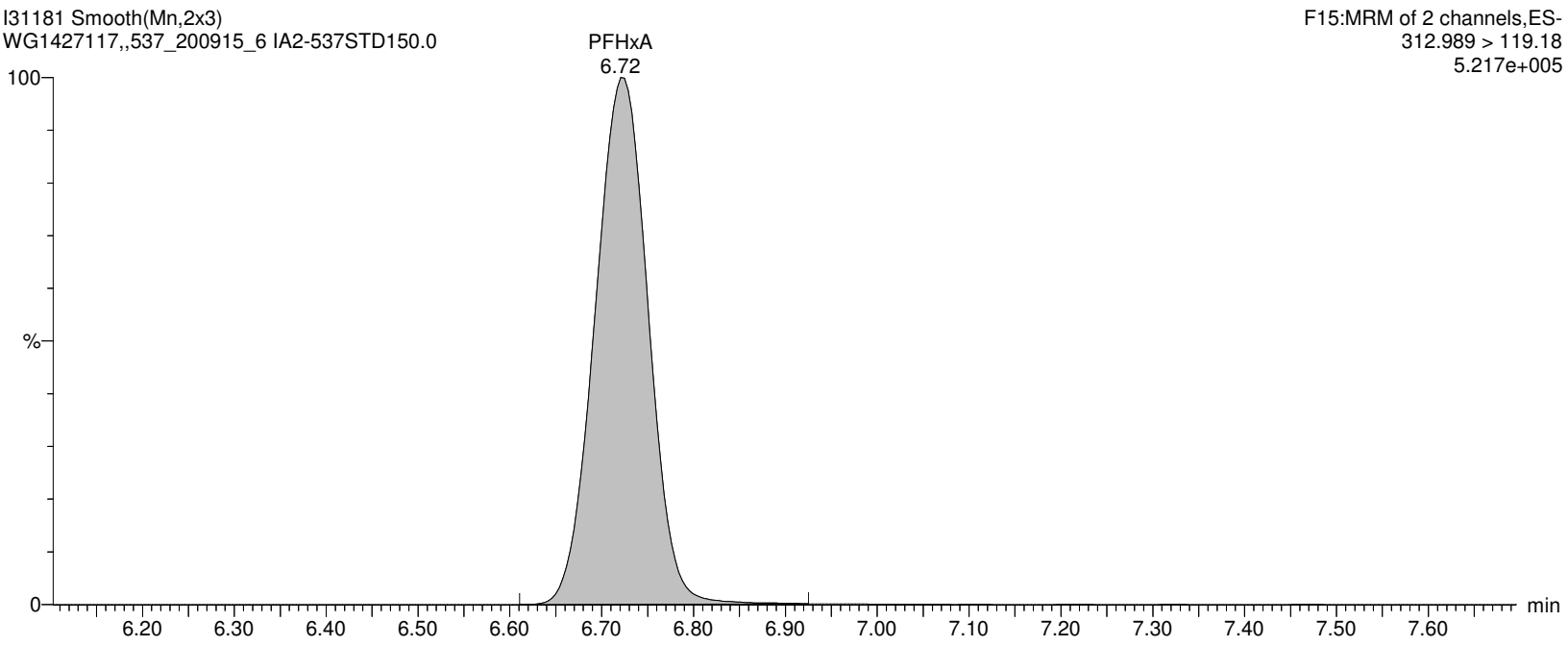

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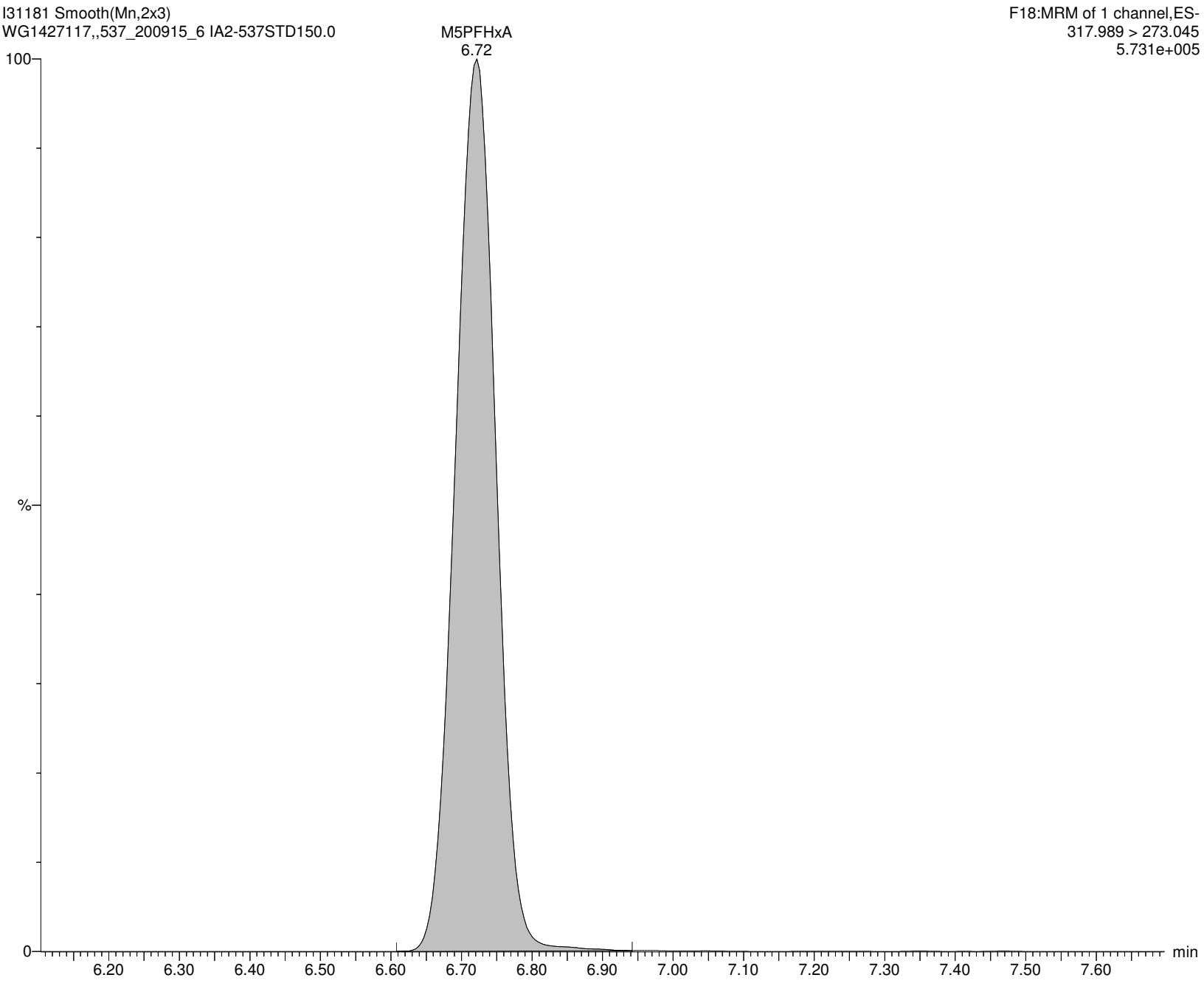

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:15:56 Eastern Daylight Time

Name: I31181
ID: IA2-537STD150.0
Date: 27-Oct-2020
Time: 19:03:25
Description: WG1427117,,537_200915_6
User: LCMS02:JW
Vial: 1:A,7
Instrument: XEVO-TQSmicro#QEB0050
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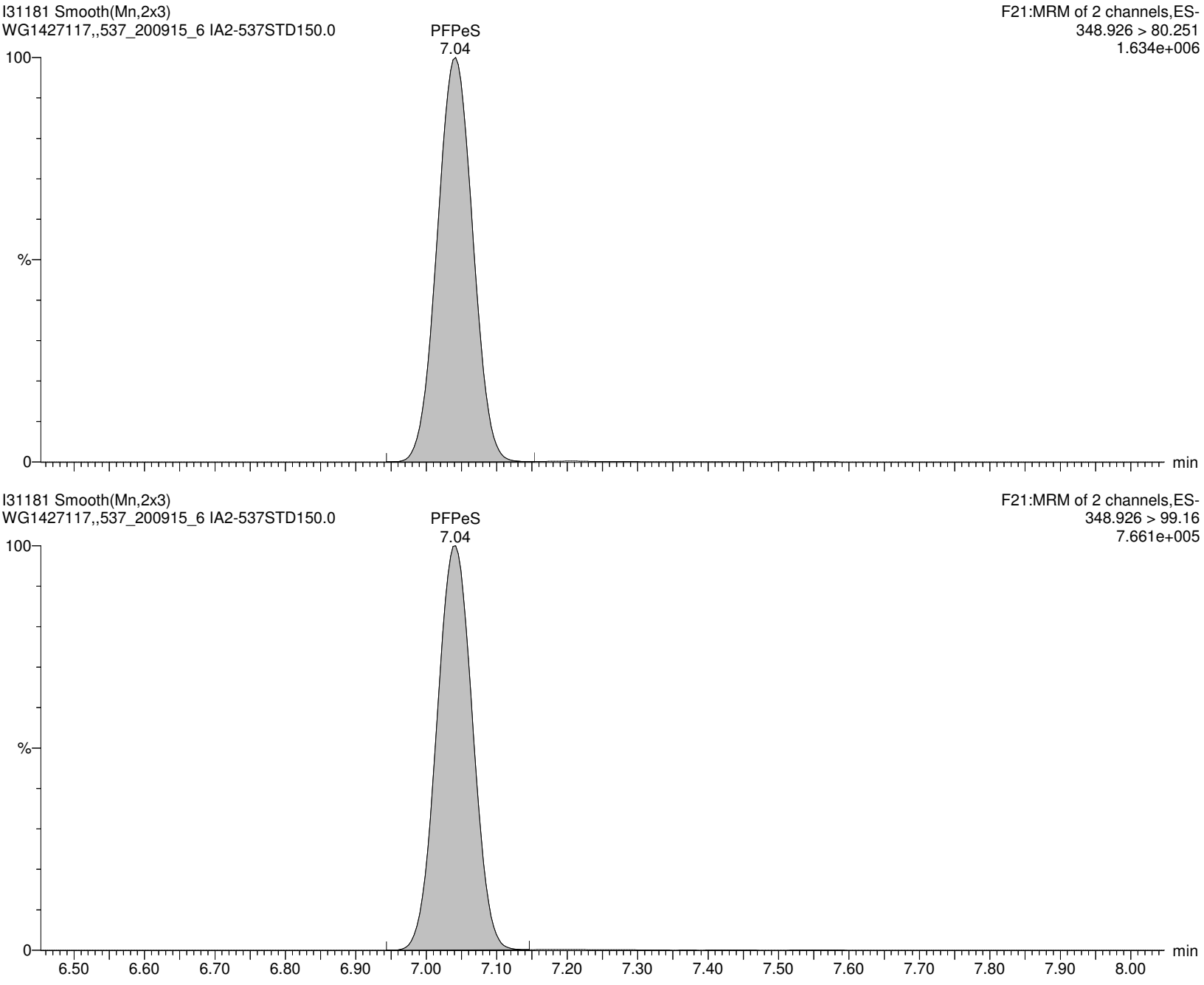
PFPeS



all concentration units in (ng/mL)

Alpha Analytical Inc.
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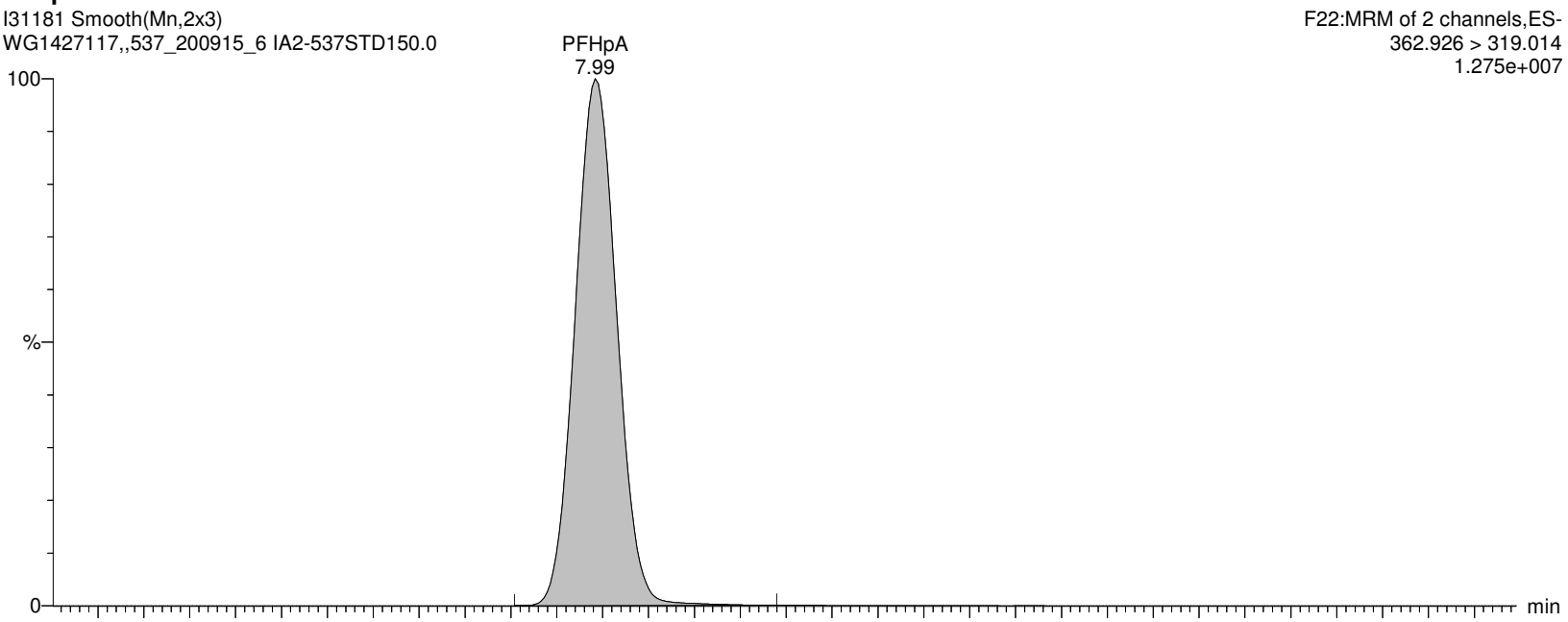

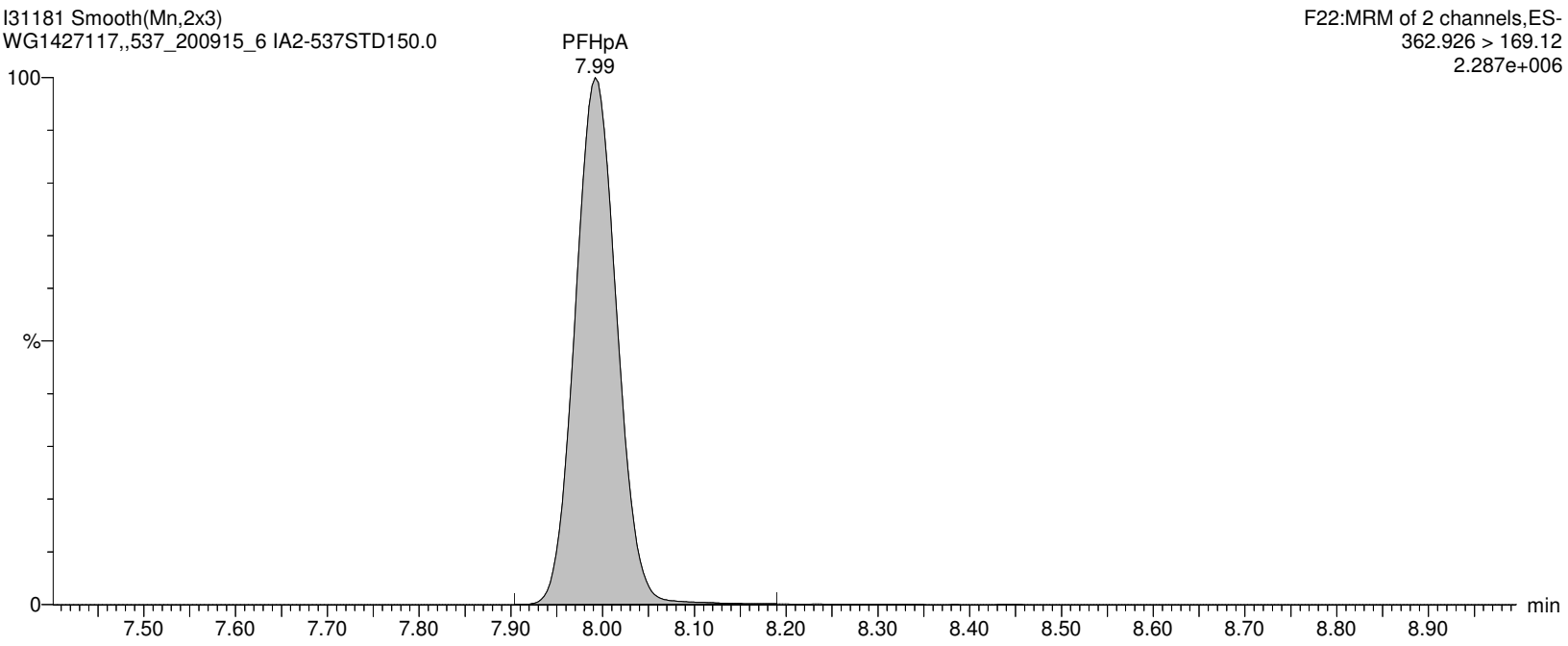

all concentration units in (ng/mL)

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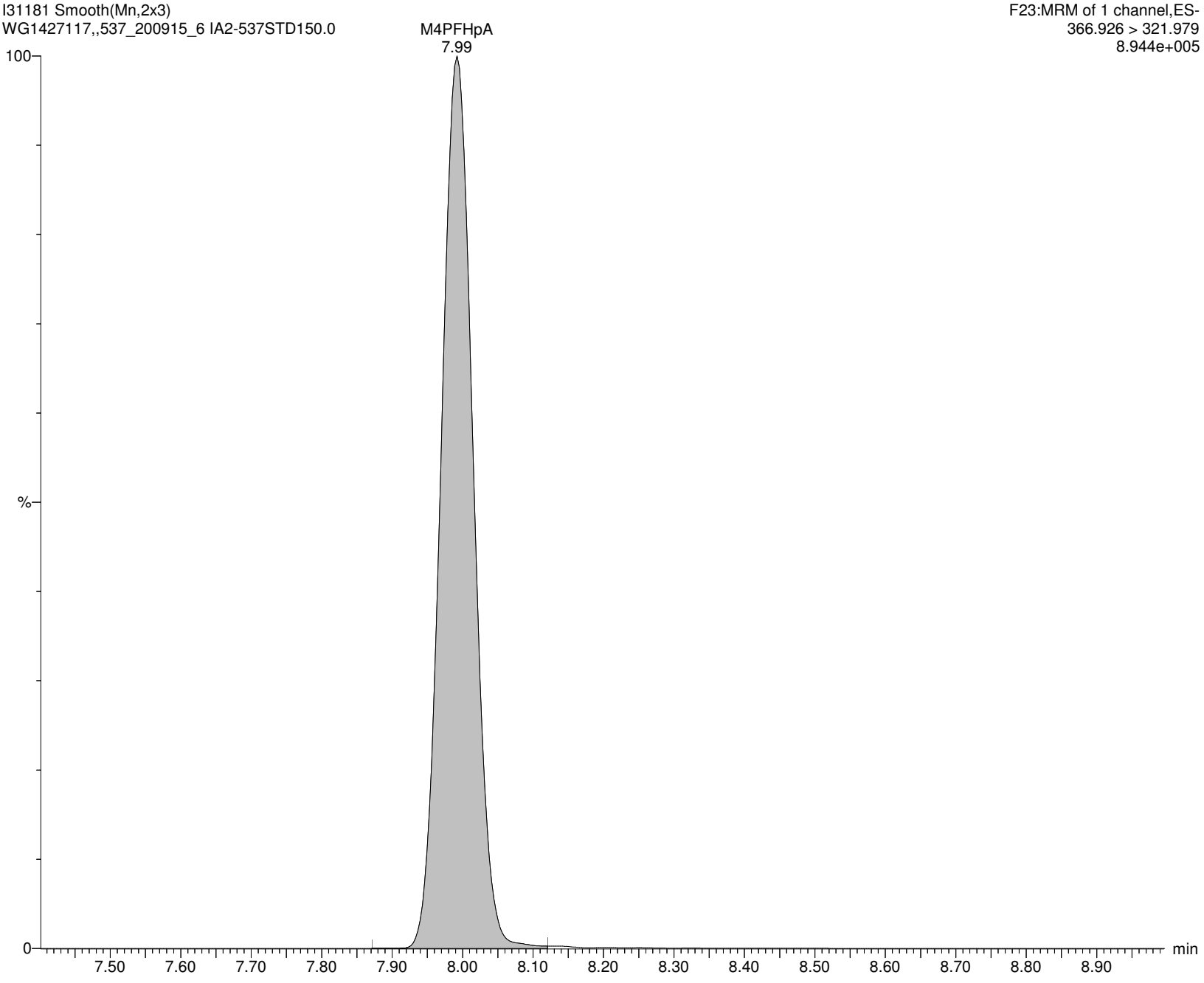

all concentration units in (ng/mL)

Alpha Analytical Inc.
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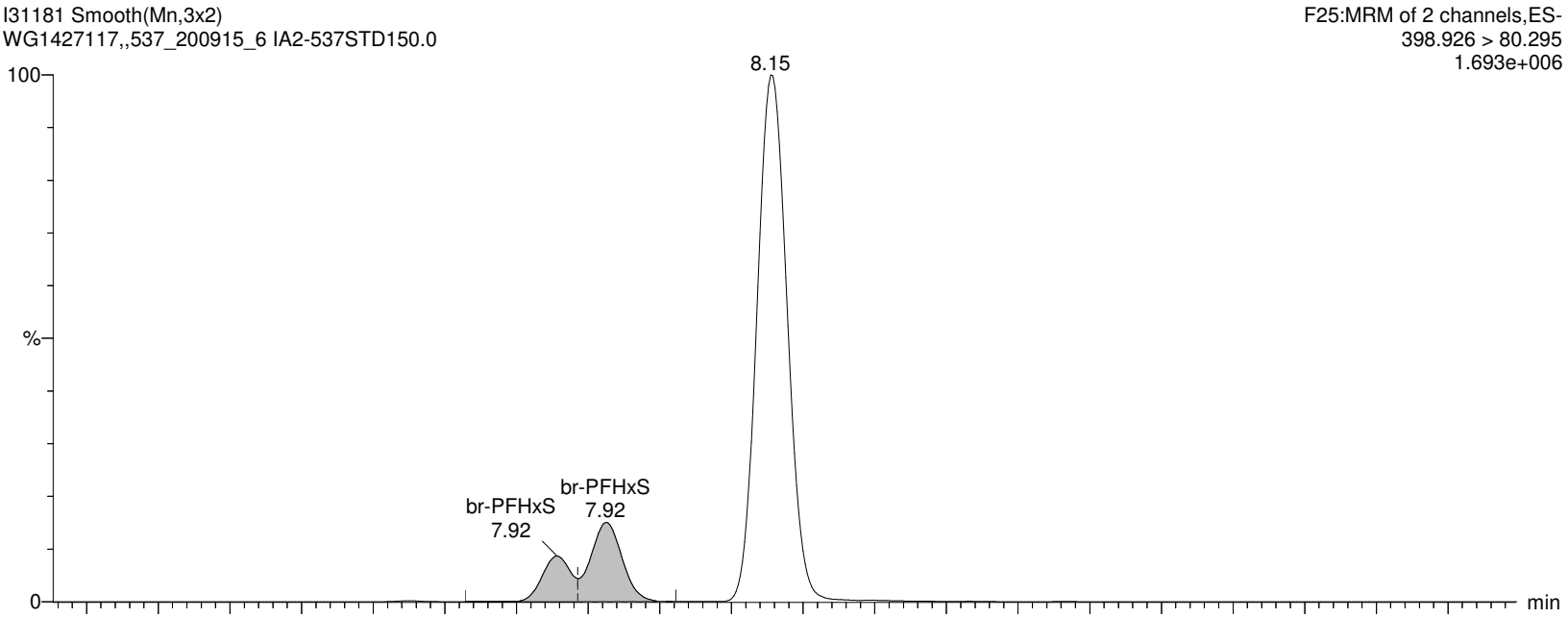

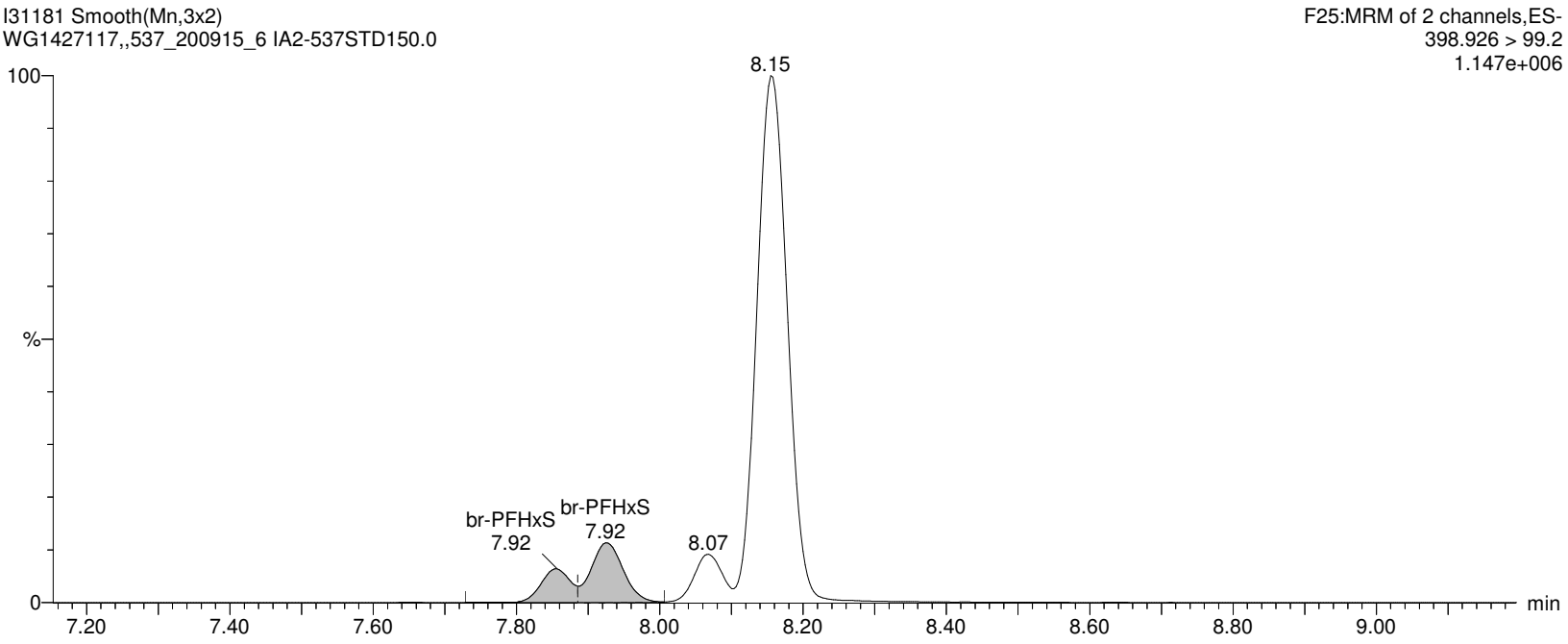

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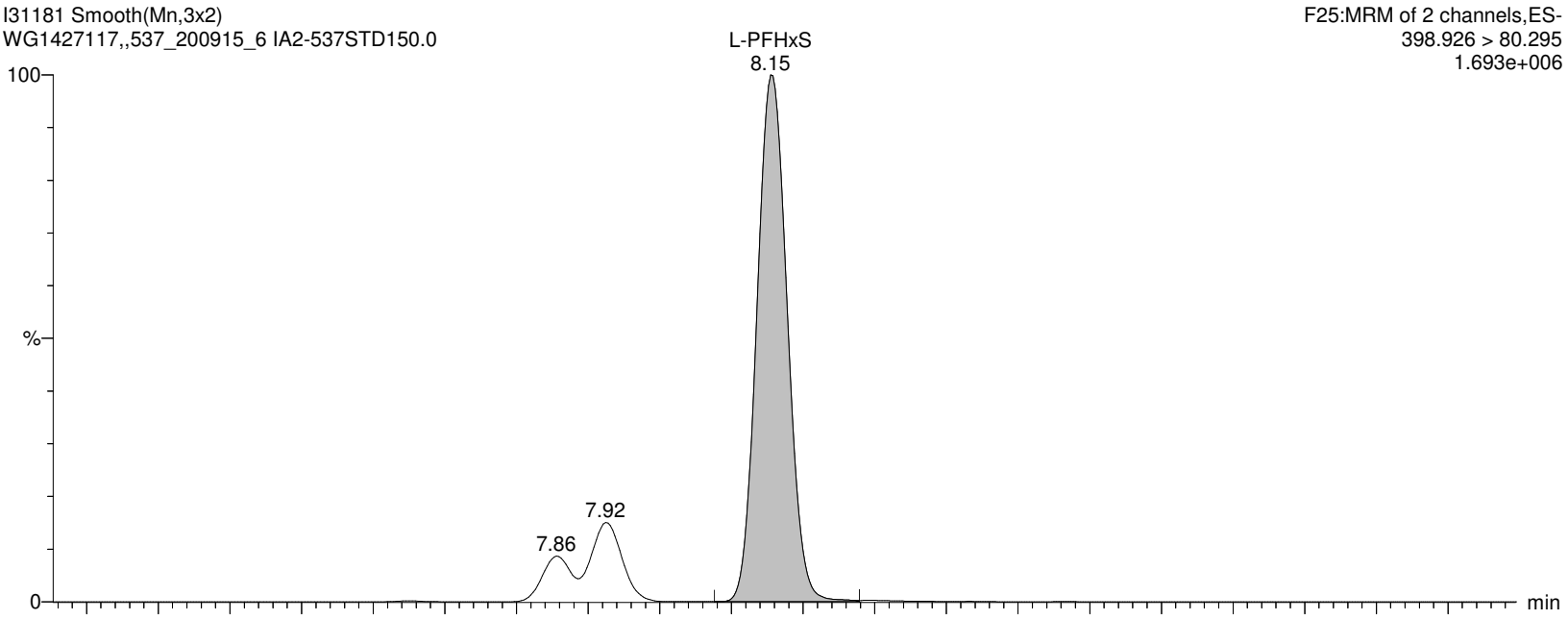

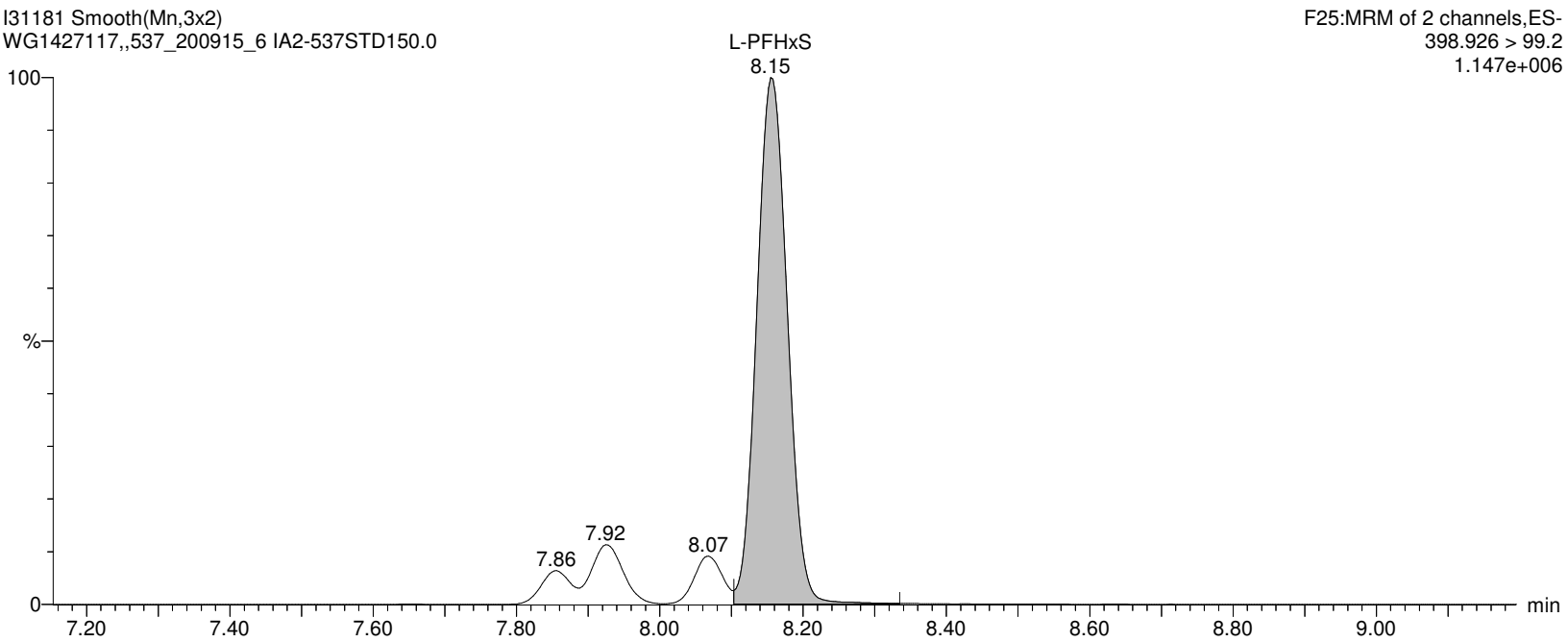

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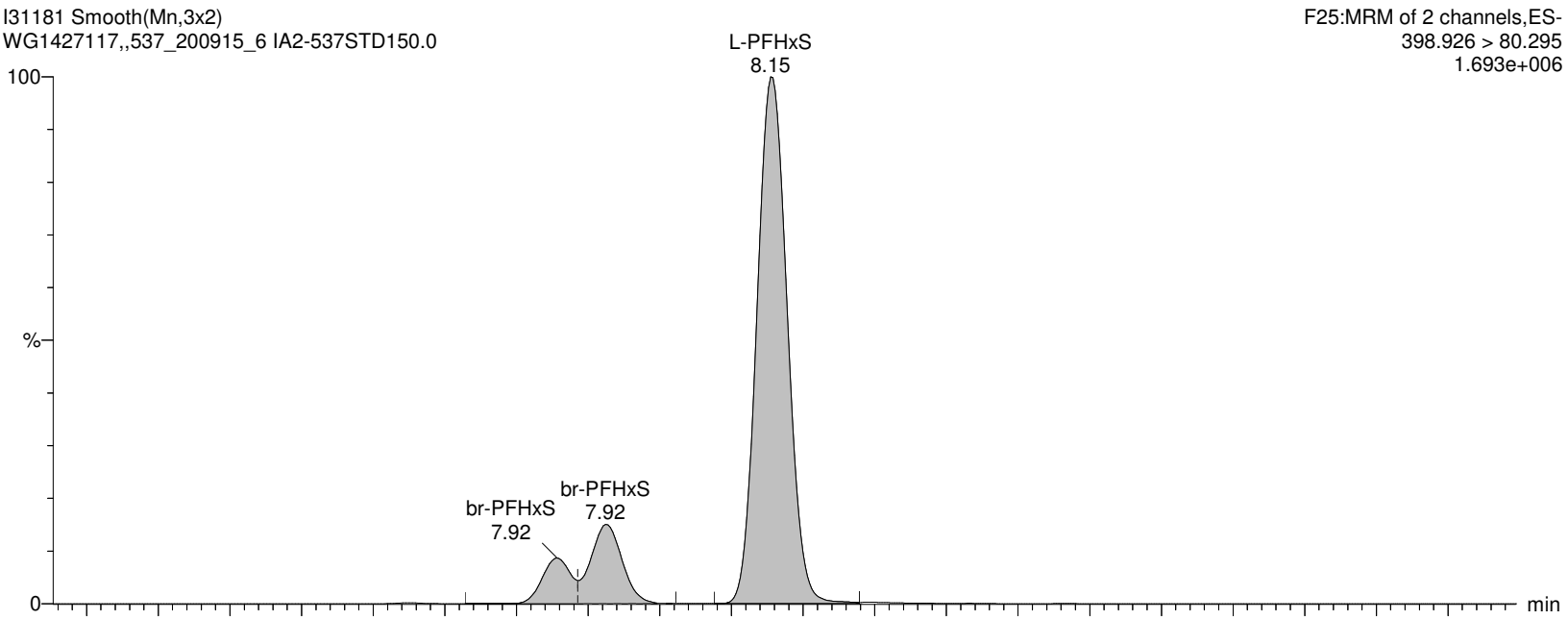

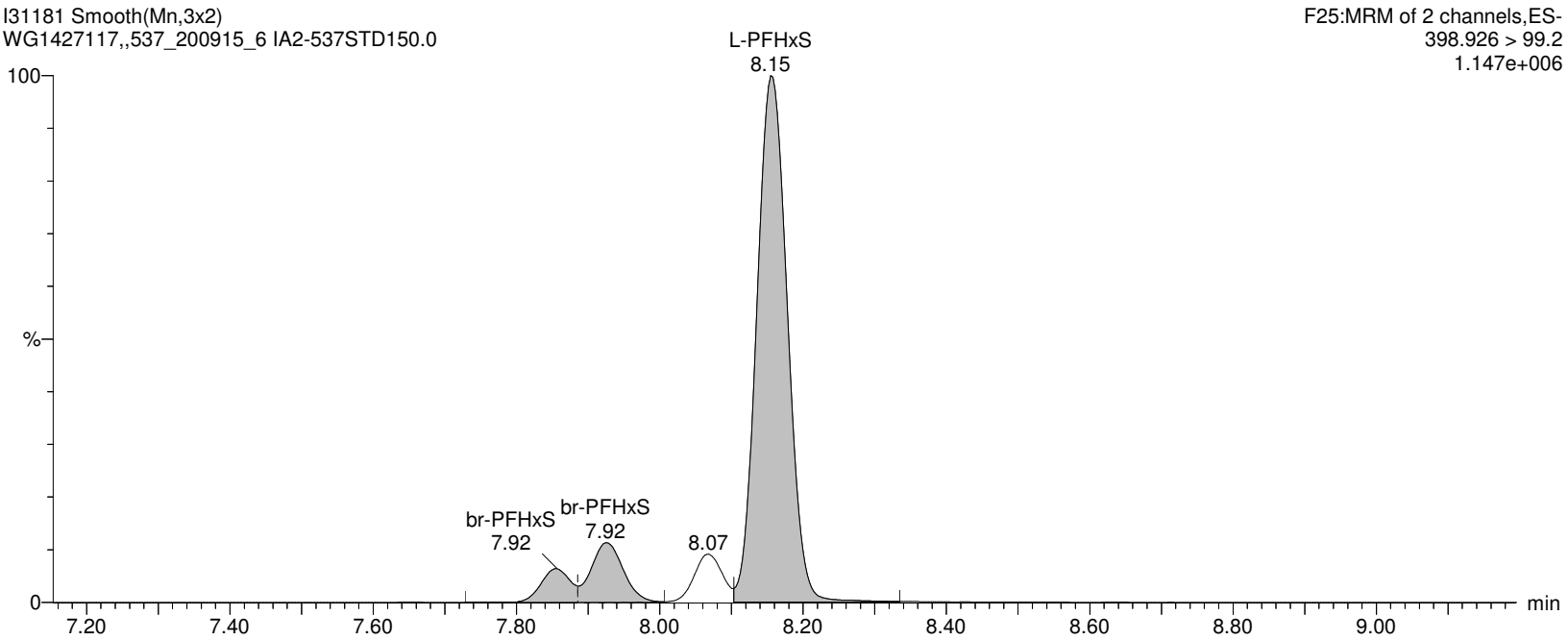

all concentration units in (ng/mL)

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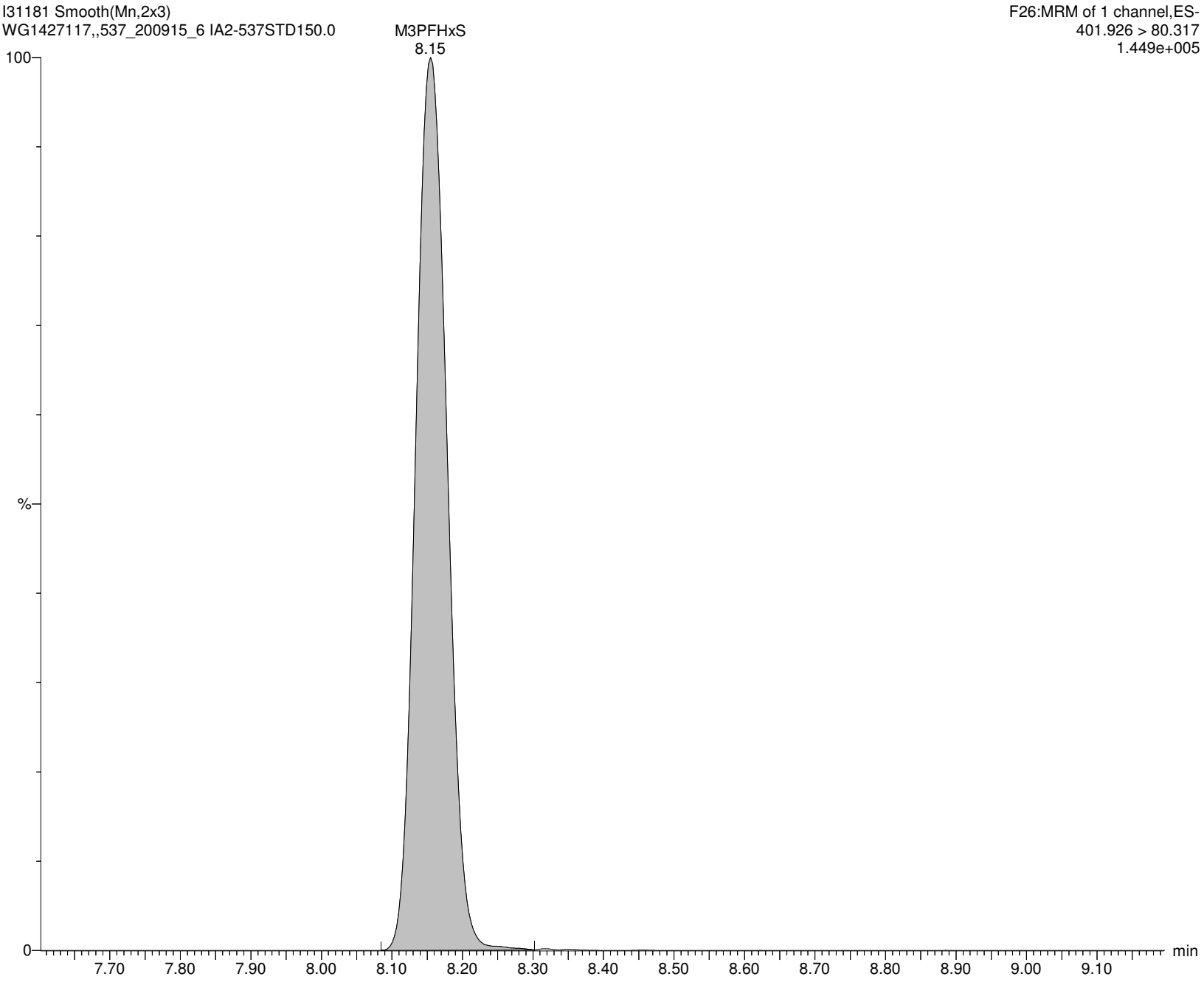

all concentration units in (ng/mL)

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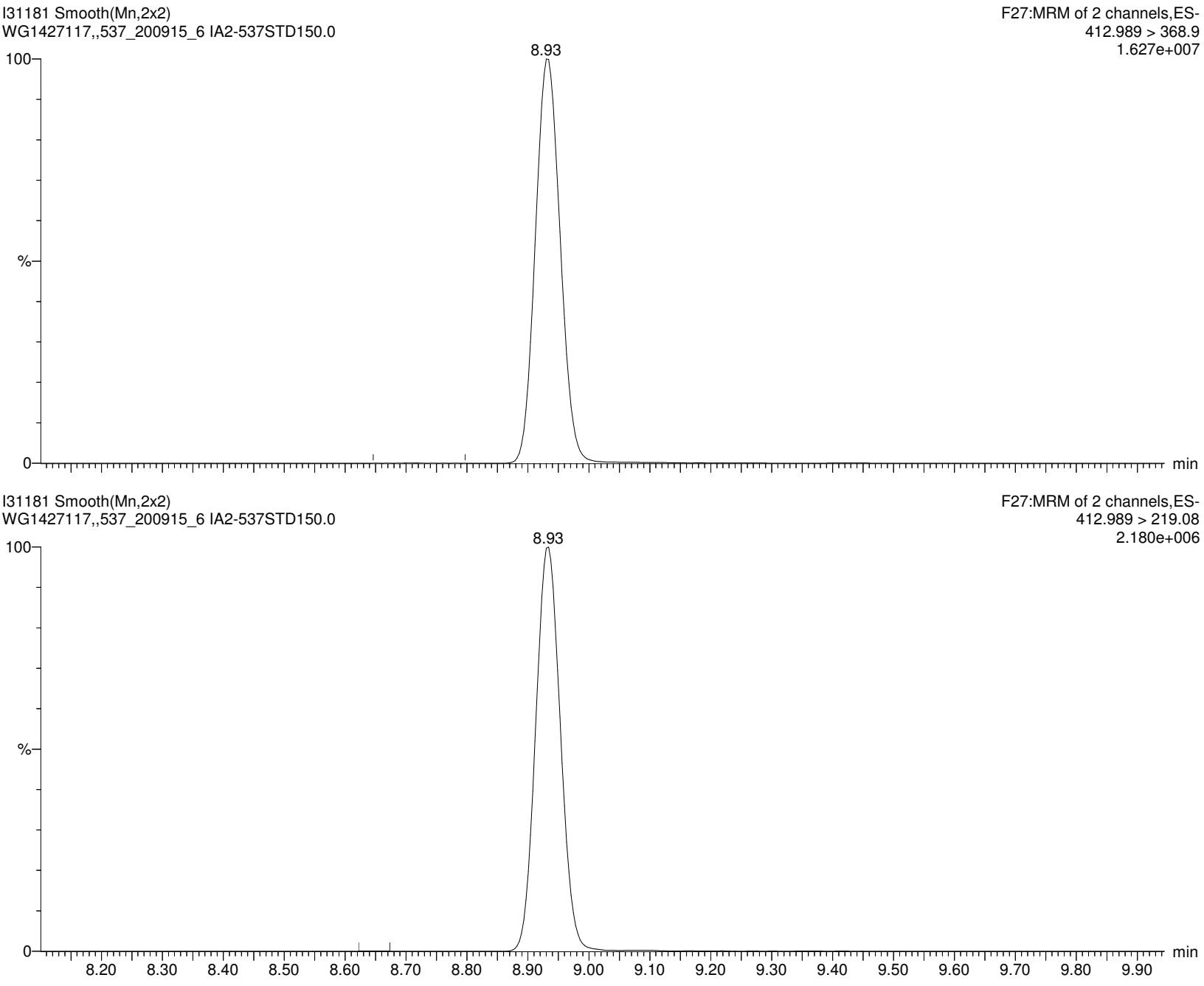

all concentration units in (ng/mL)

Alpha Analytical Inc.
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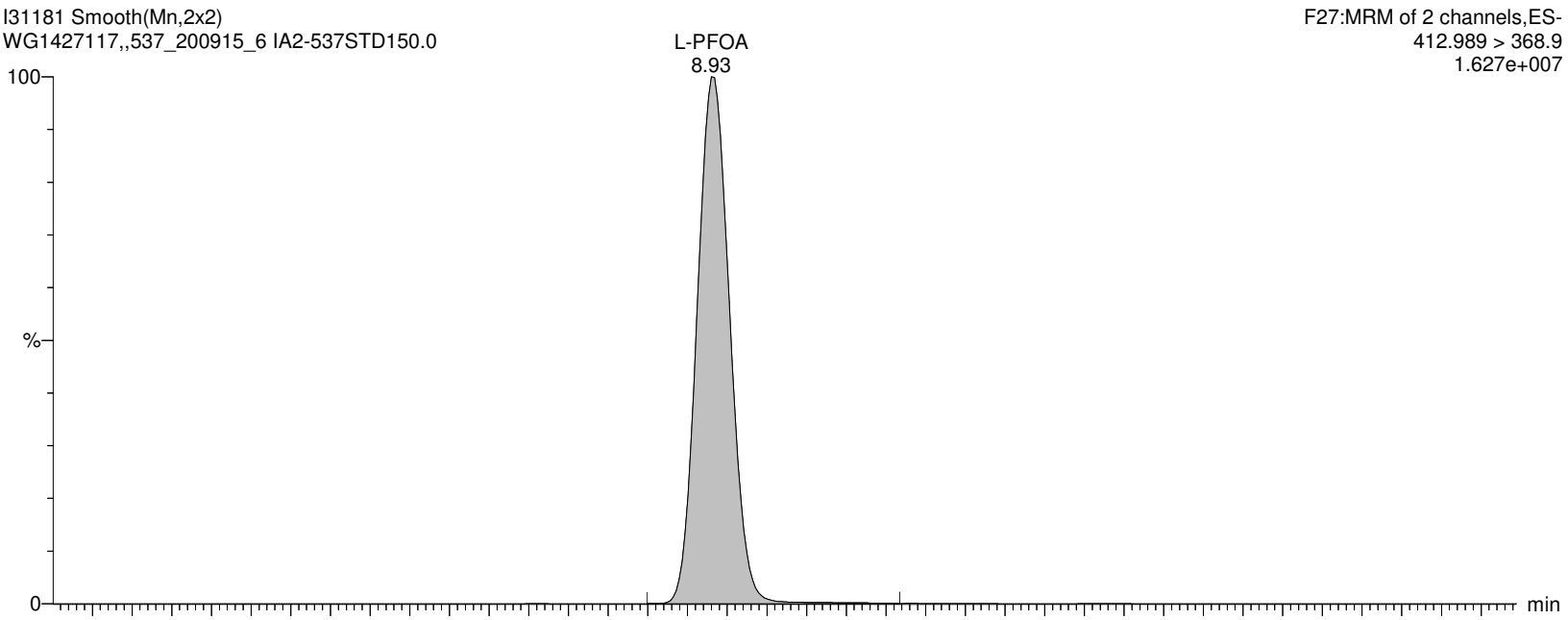

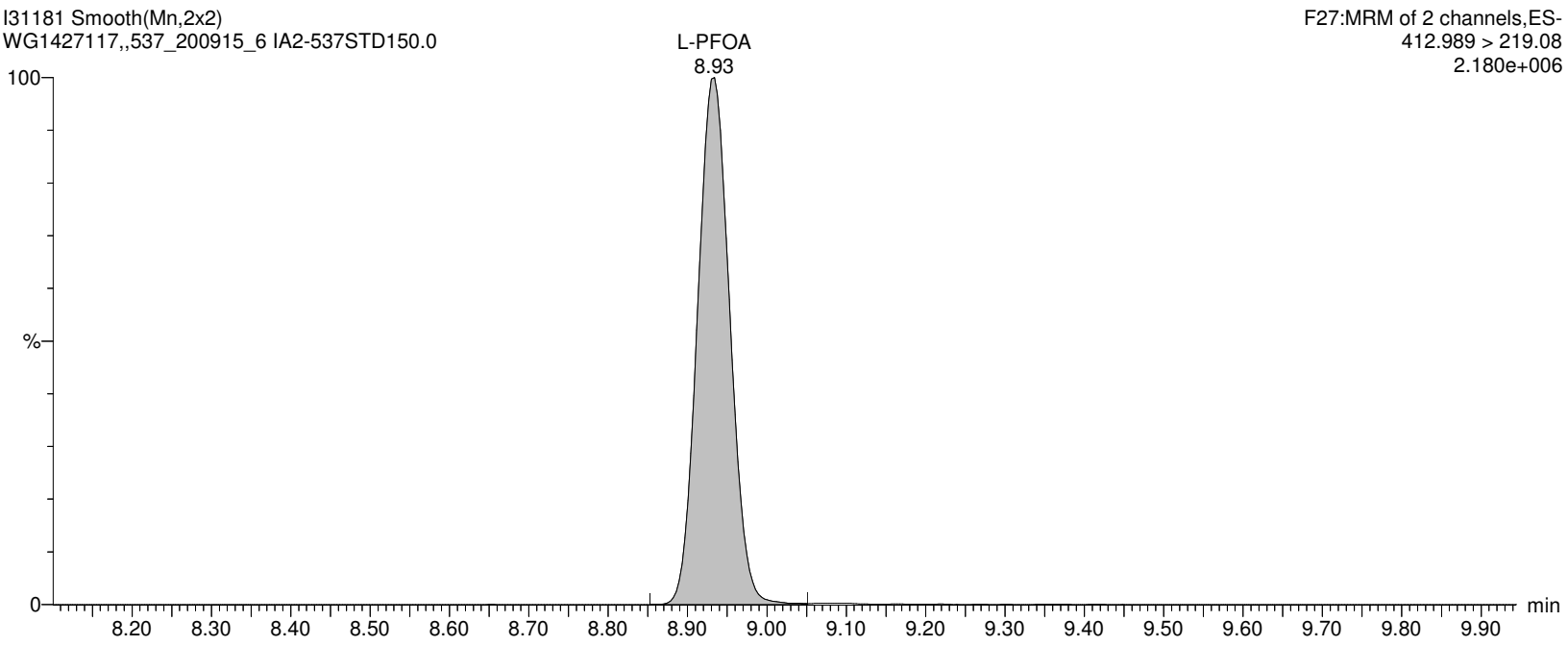

all concentration units in (ng/mL)

Alpha Analytical Inc.
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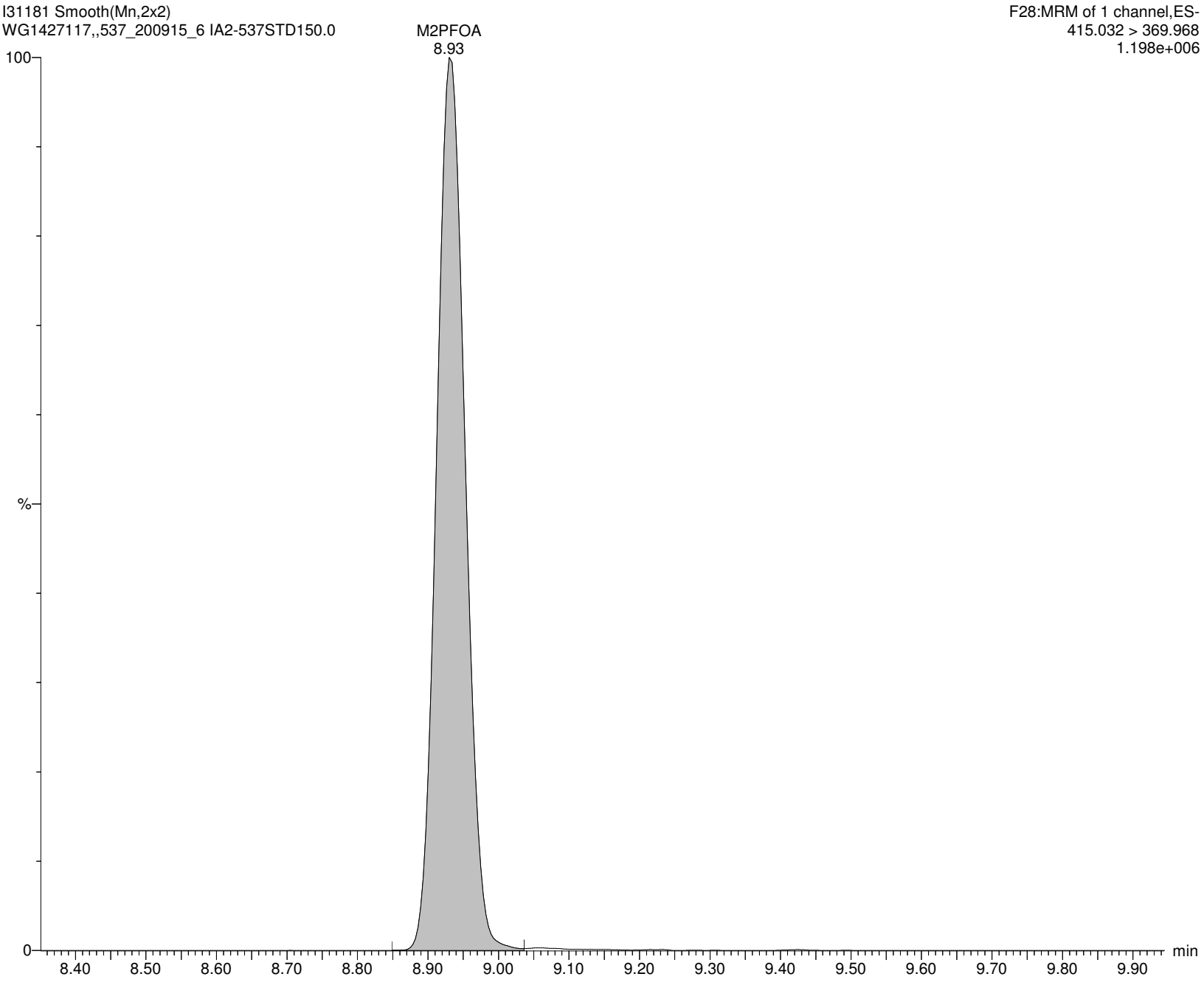

all concentration units in (ng/mL)

Alpha Analytical Inc.
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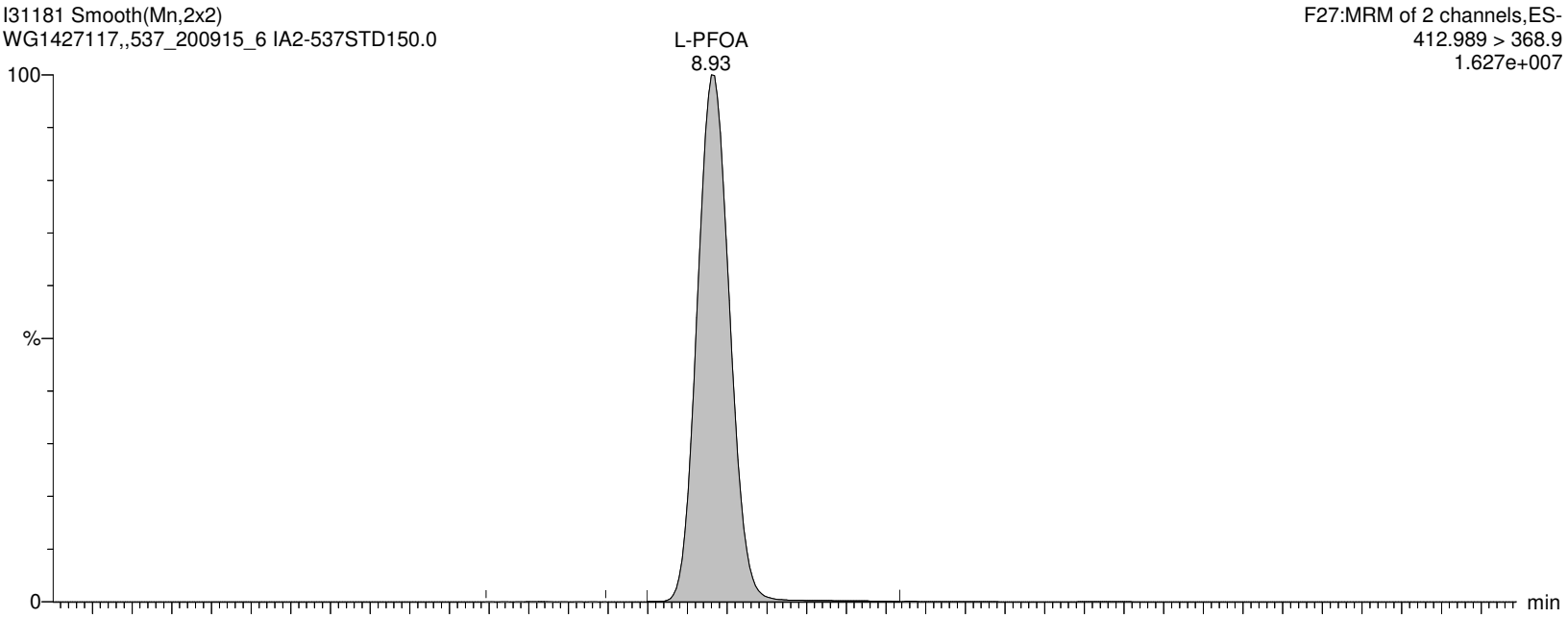

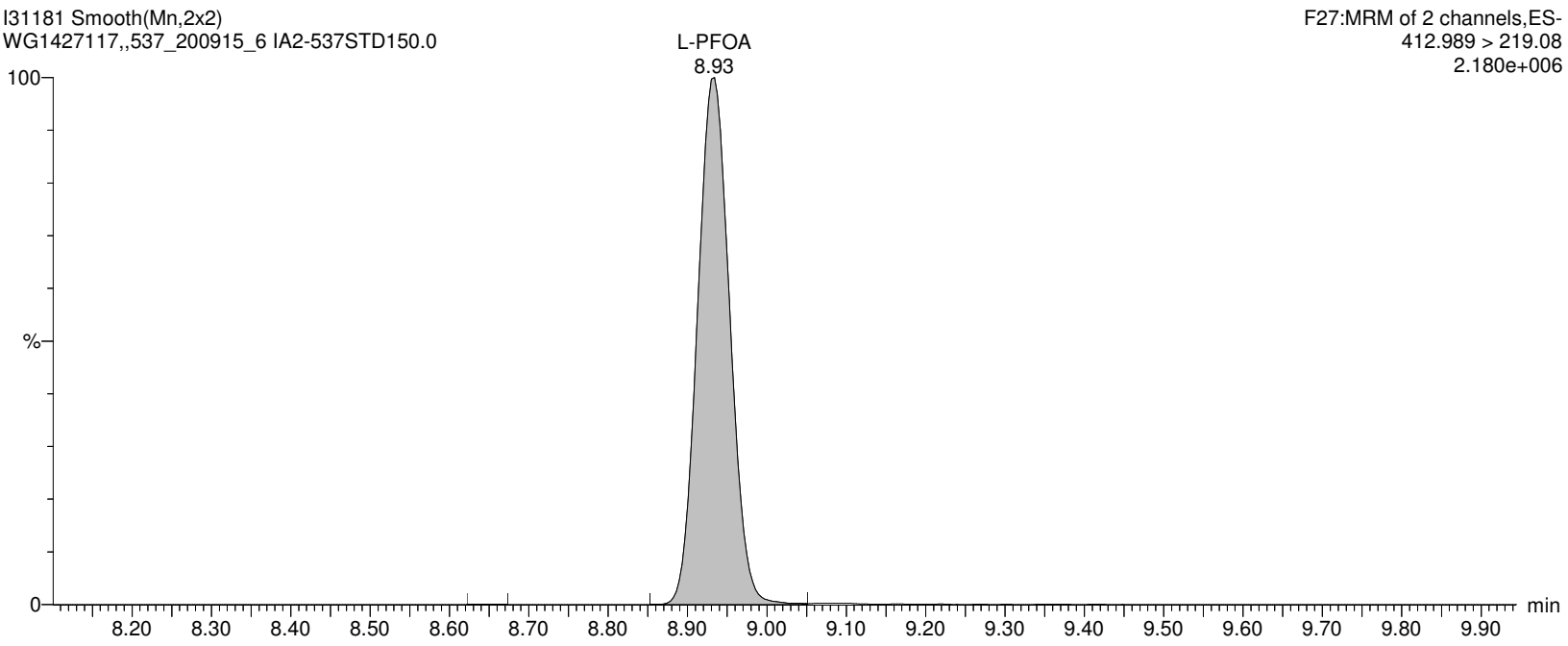

all concentration units in (ng/mL)

Alpha Analytical Inc.
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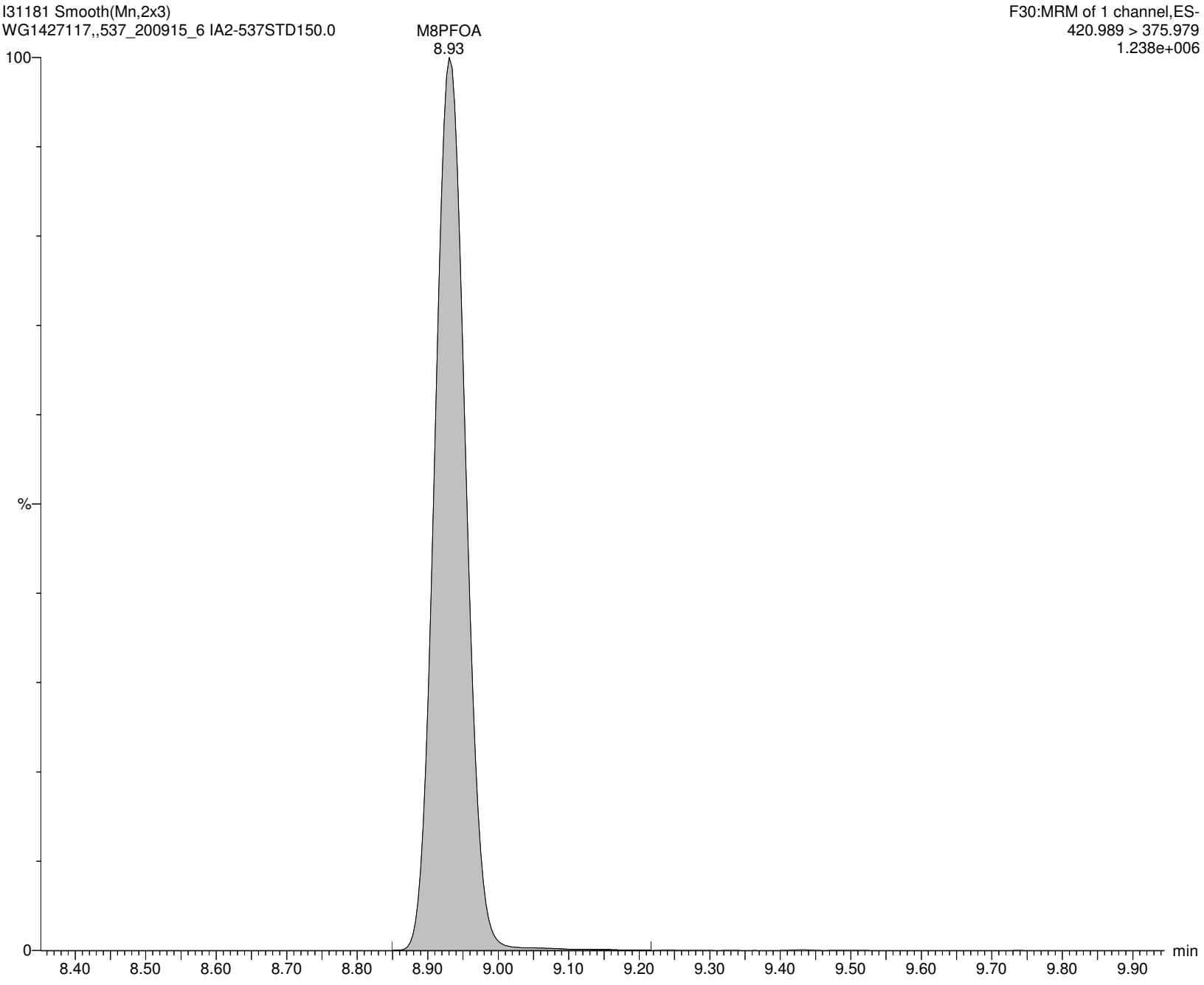

all concentration units in (ng/mL)

Alpha Analytical Inc.
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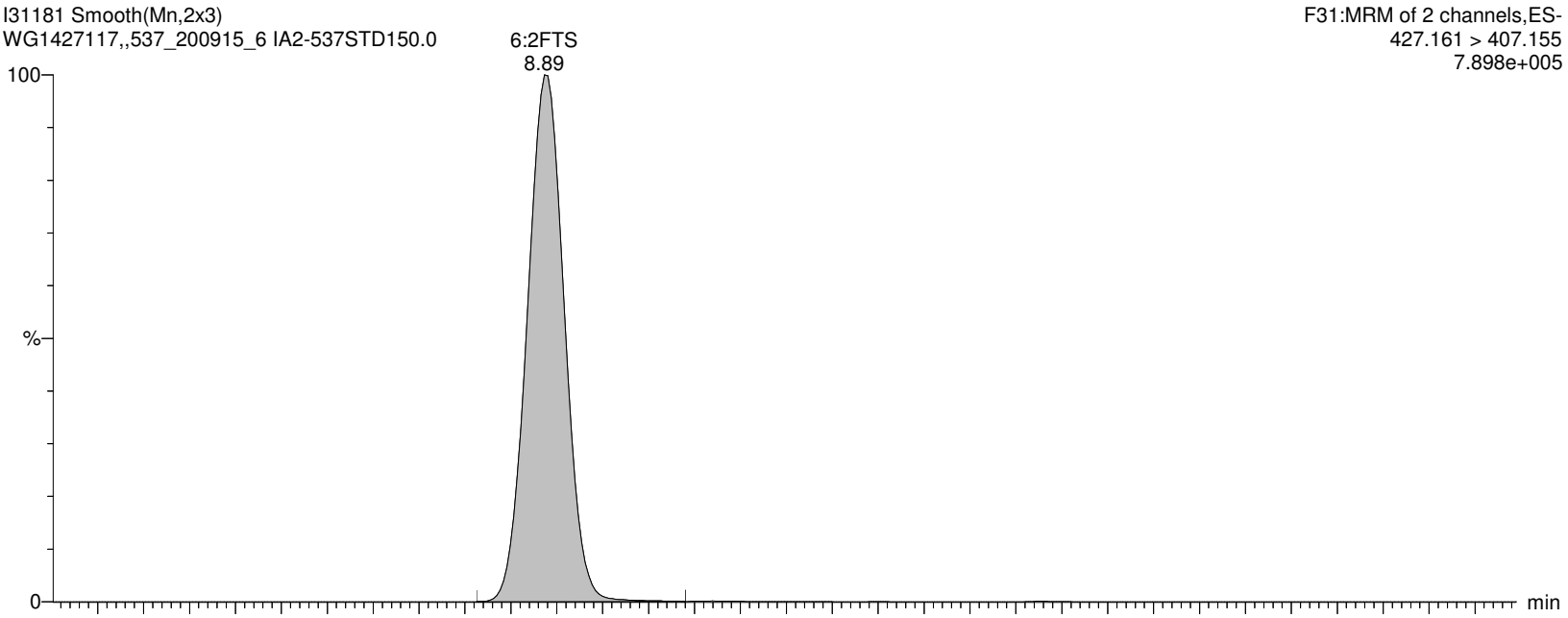

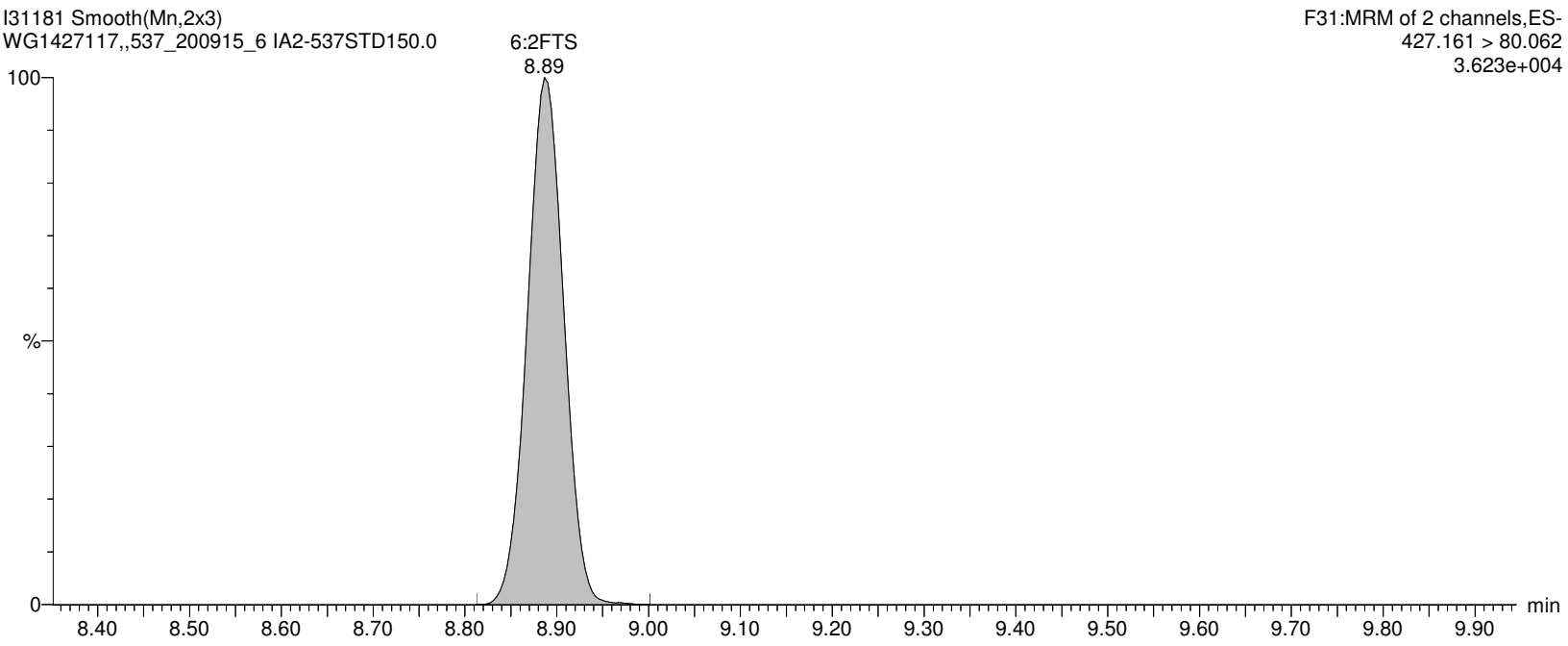

all concentration units in (ng/mL)

Alpha Analytical Inc.
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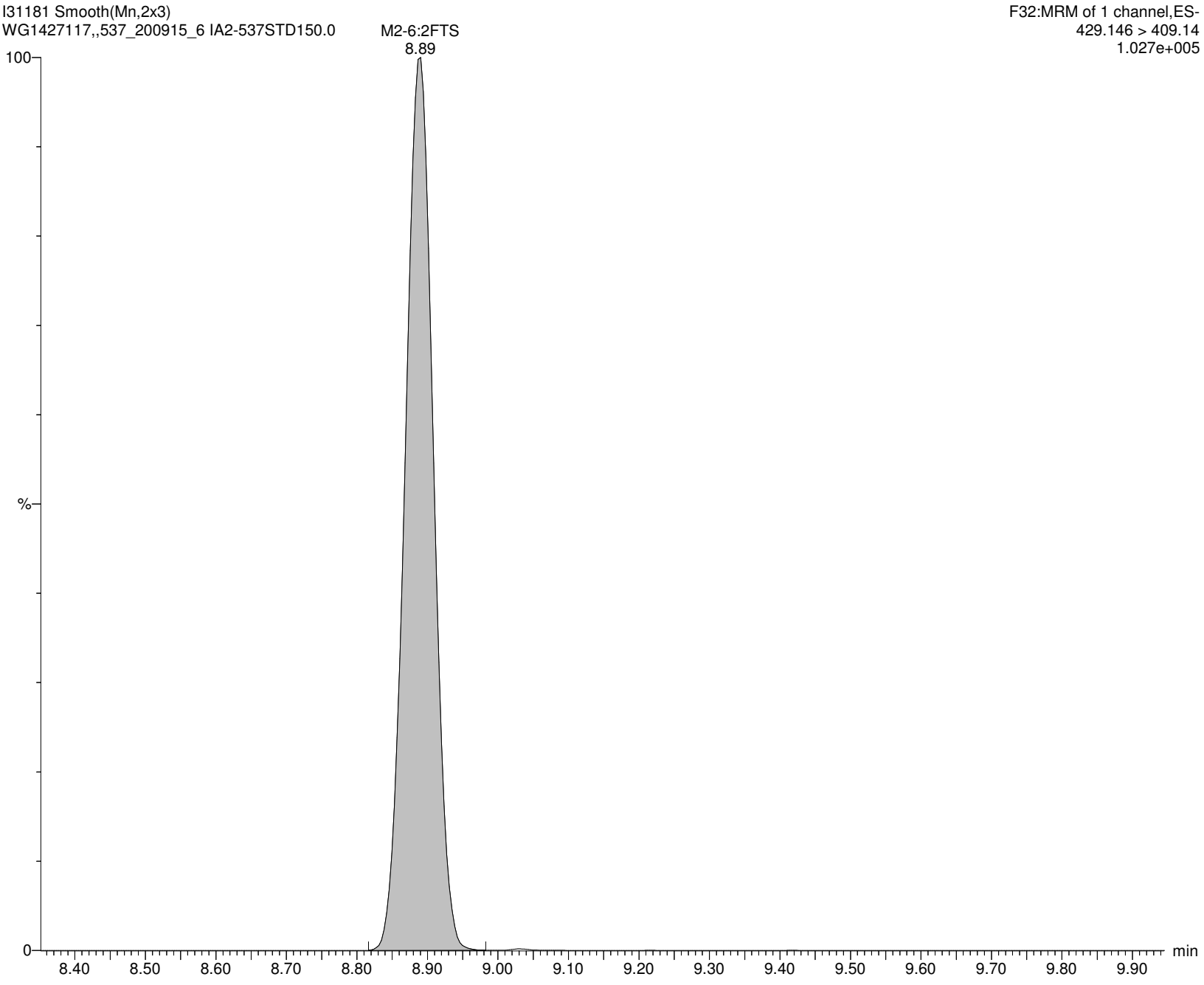
M2-6:2FTS



all concentration units in (ng/mL)

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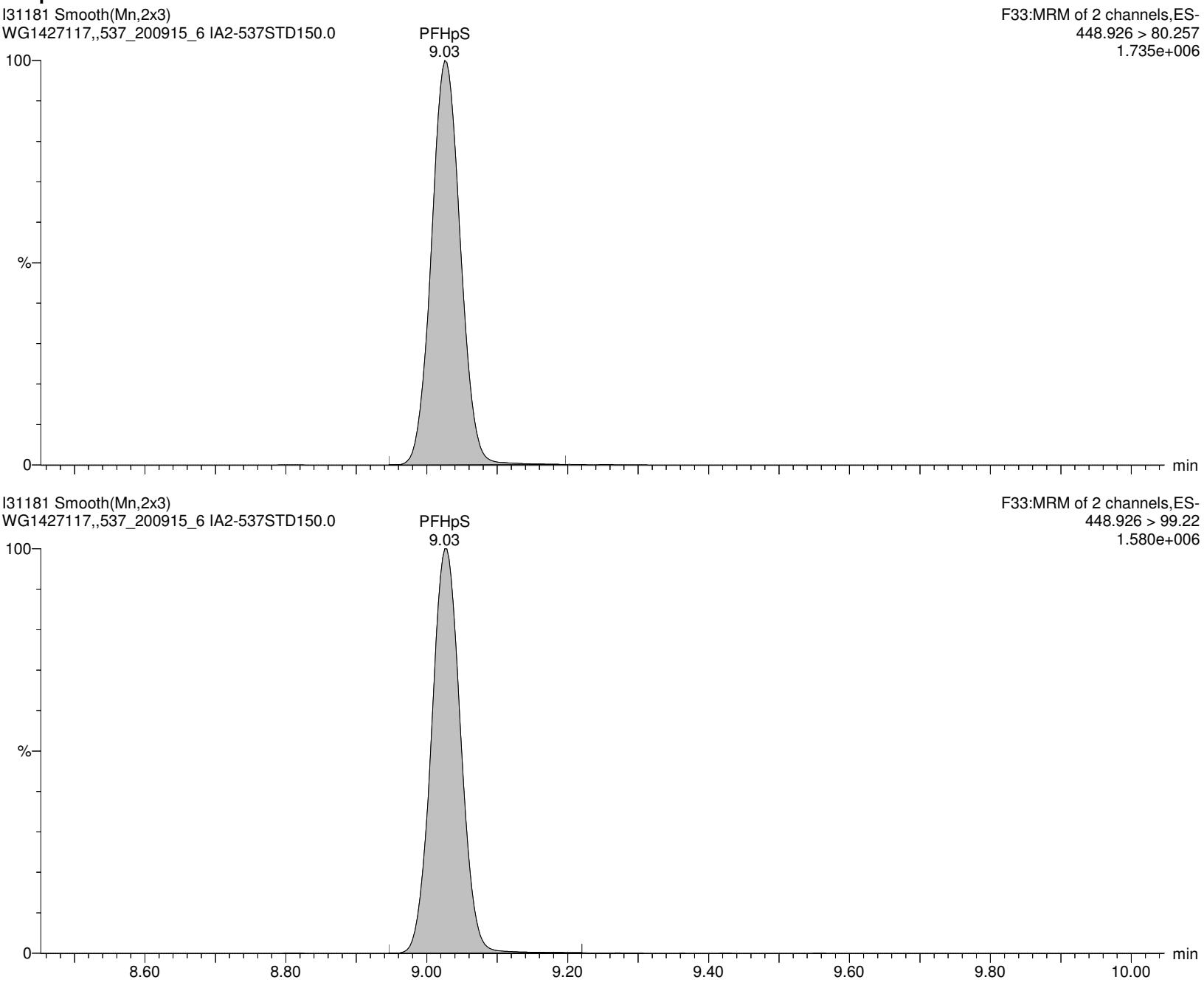
PFHpS



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Printed: Wednesday, October 28, 2020 10:15:56 Eastern Daylight Time

Name: I31181
ID: IA2-537STD150.0
Date: 27-Oct-2020
Time: 19:03:25
Description: WG1427117,,537_200915_6
User: LCMS02:JW
Vial: 1:A,7
Instrument: XEVO-TQSmicro#QEB0050
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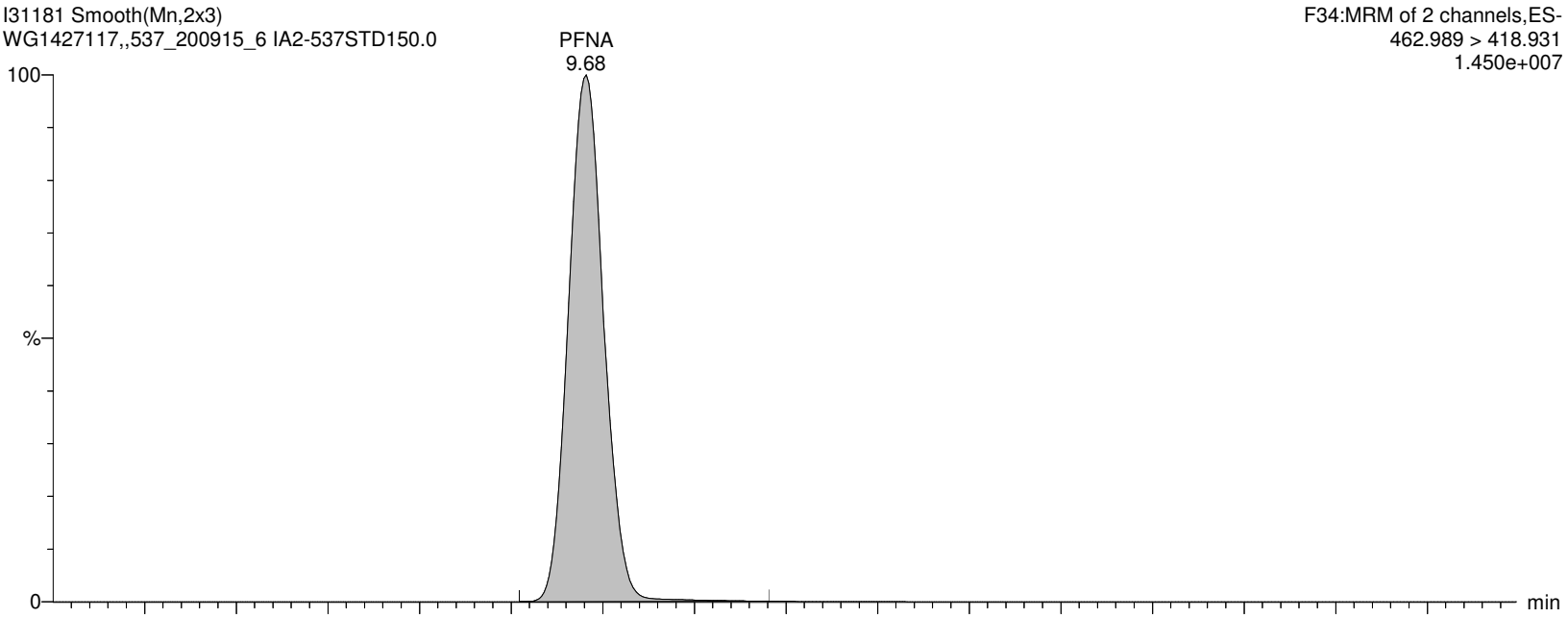

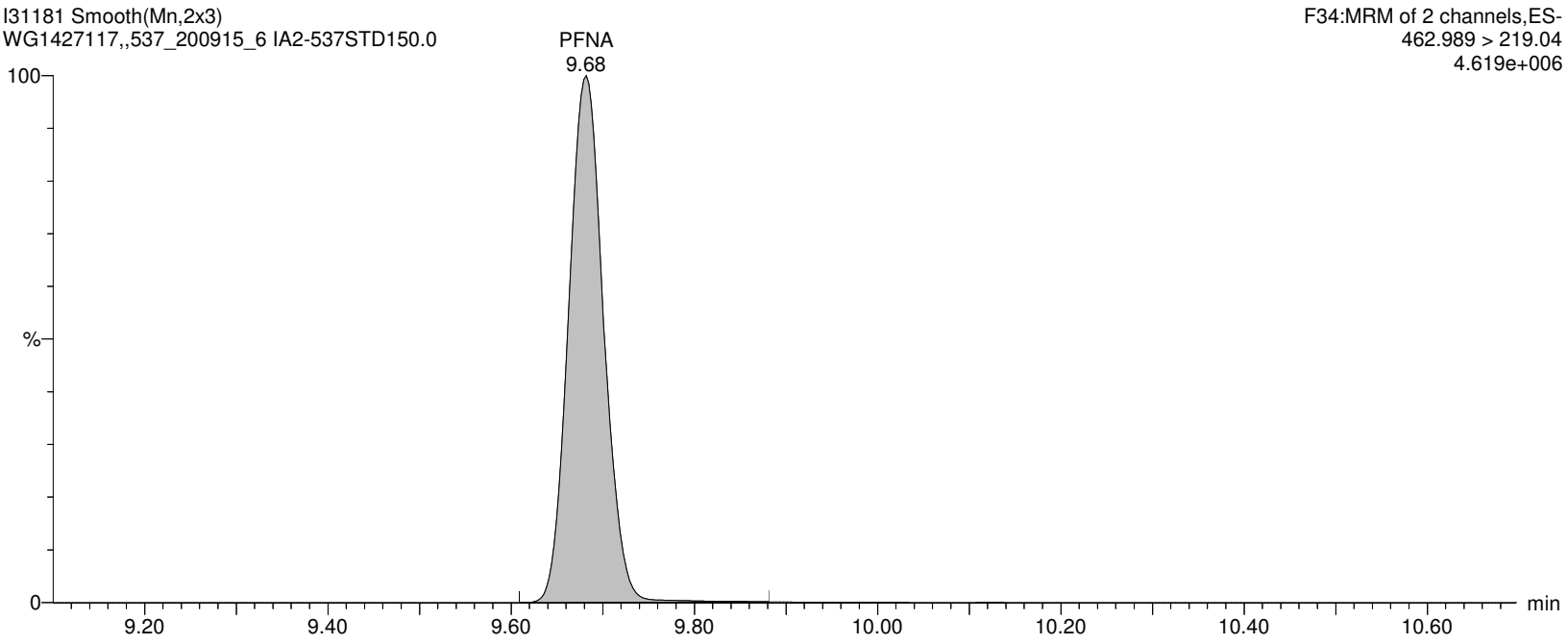

all concentration units in (ng/mL)

Alpha Analytical Inc.
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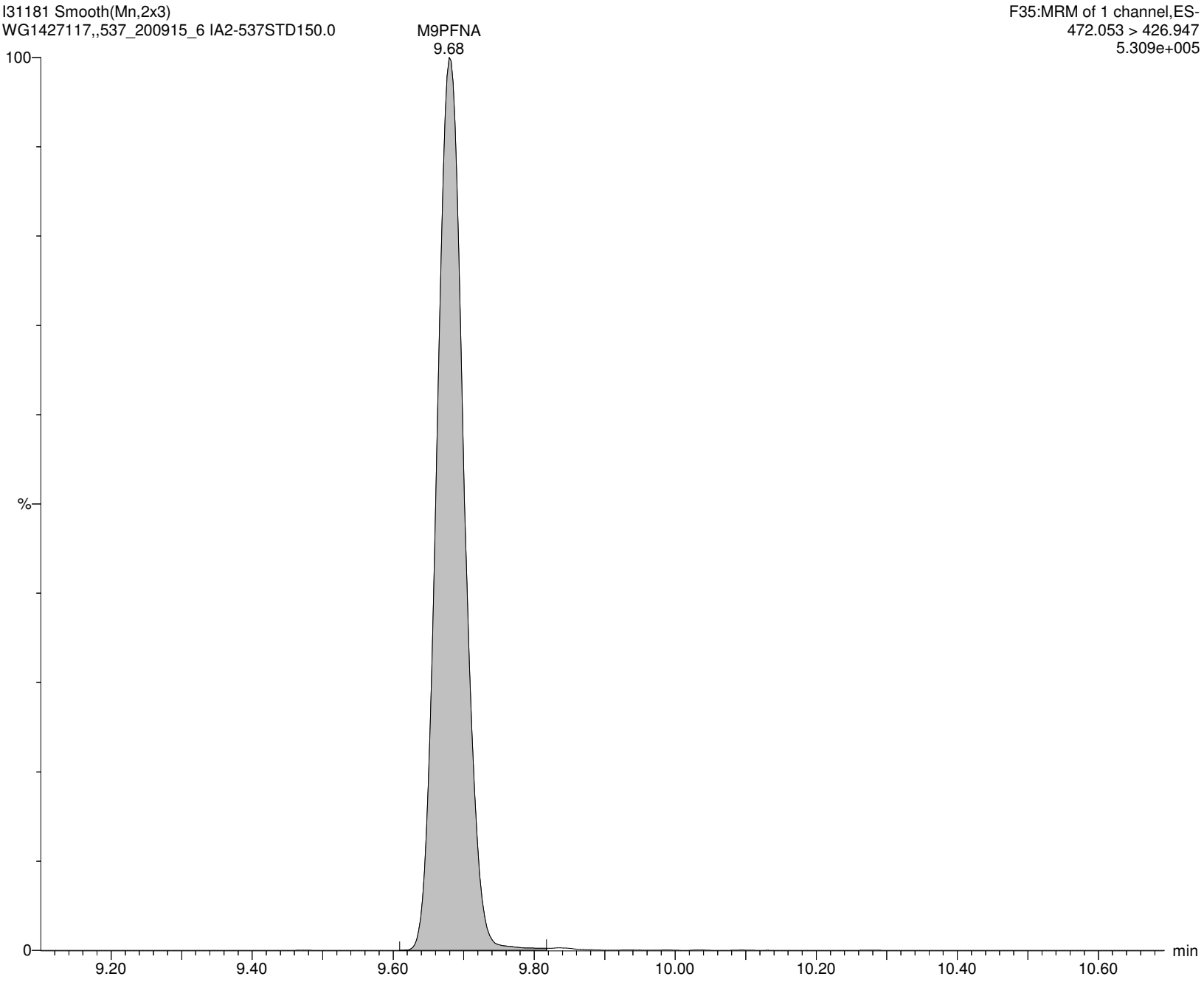

all concentration units in (ng/mL)

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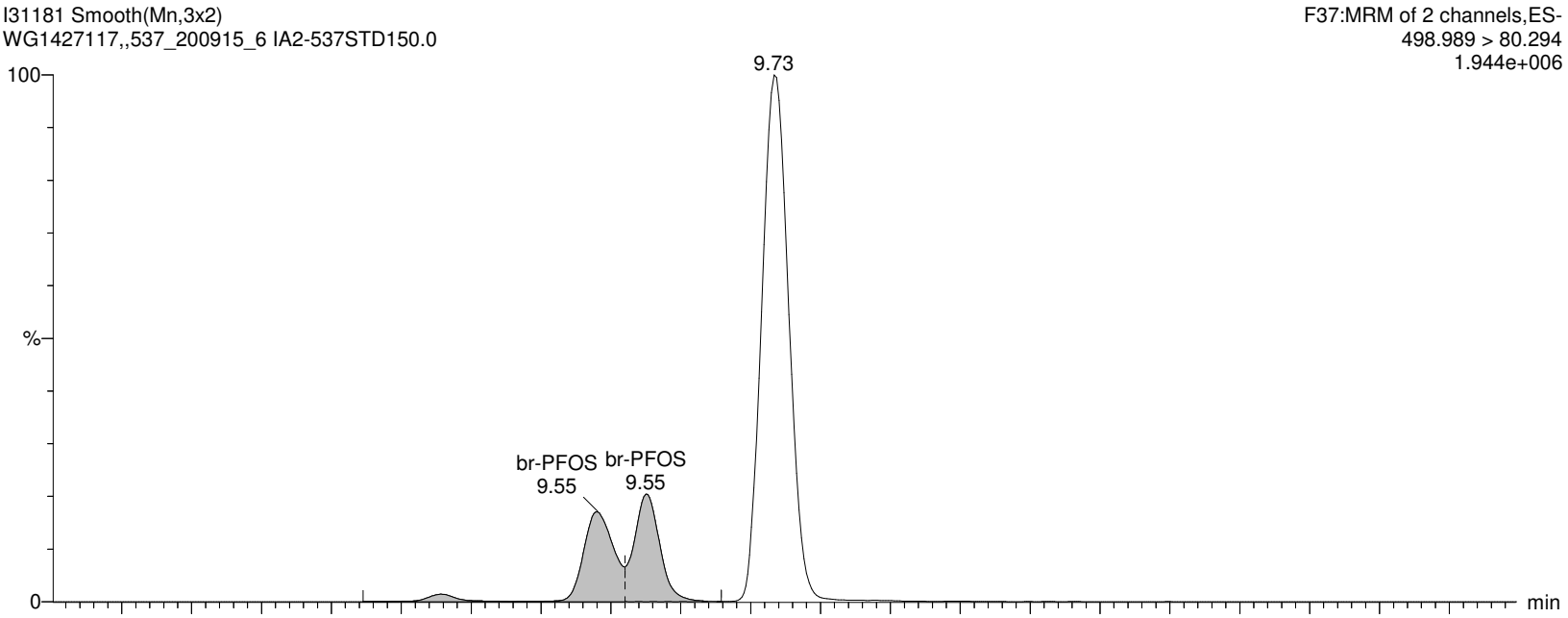

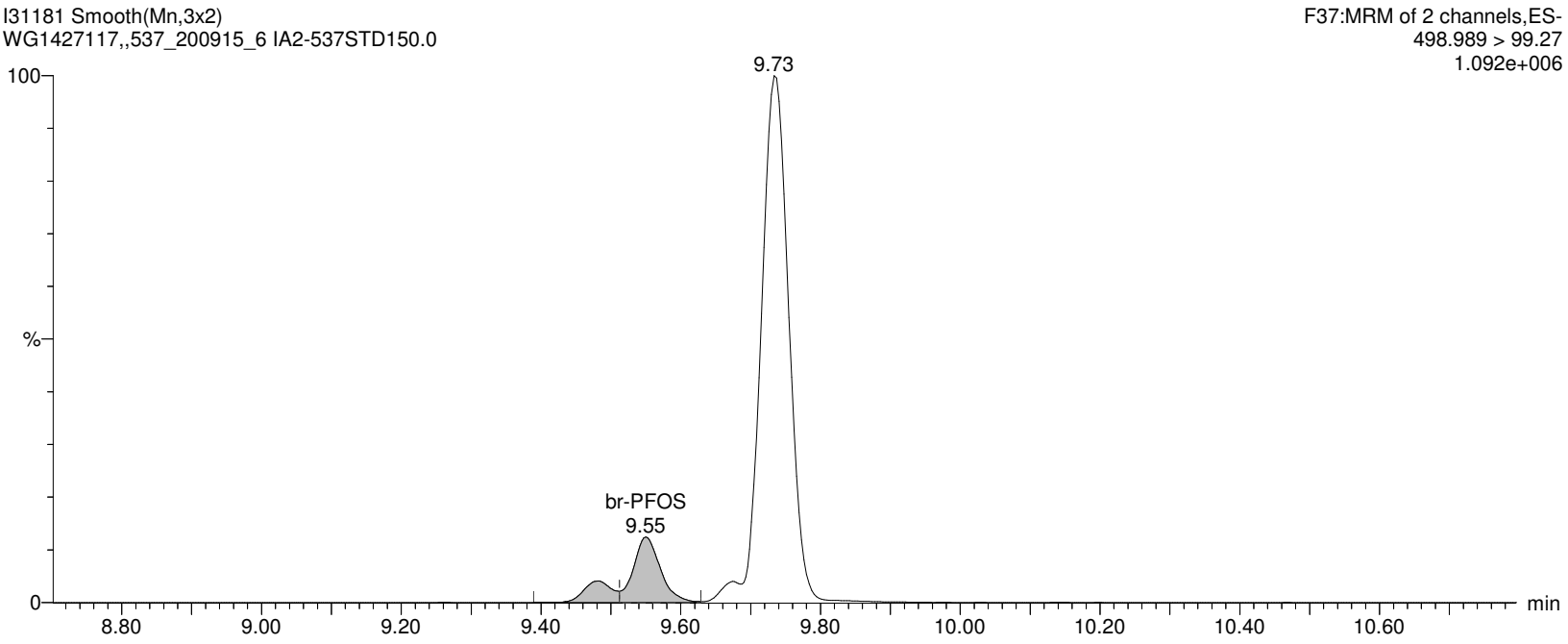

all concentration units in (ng/mL)

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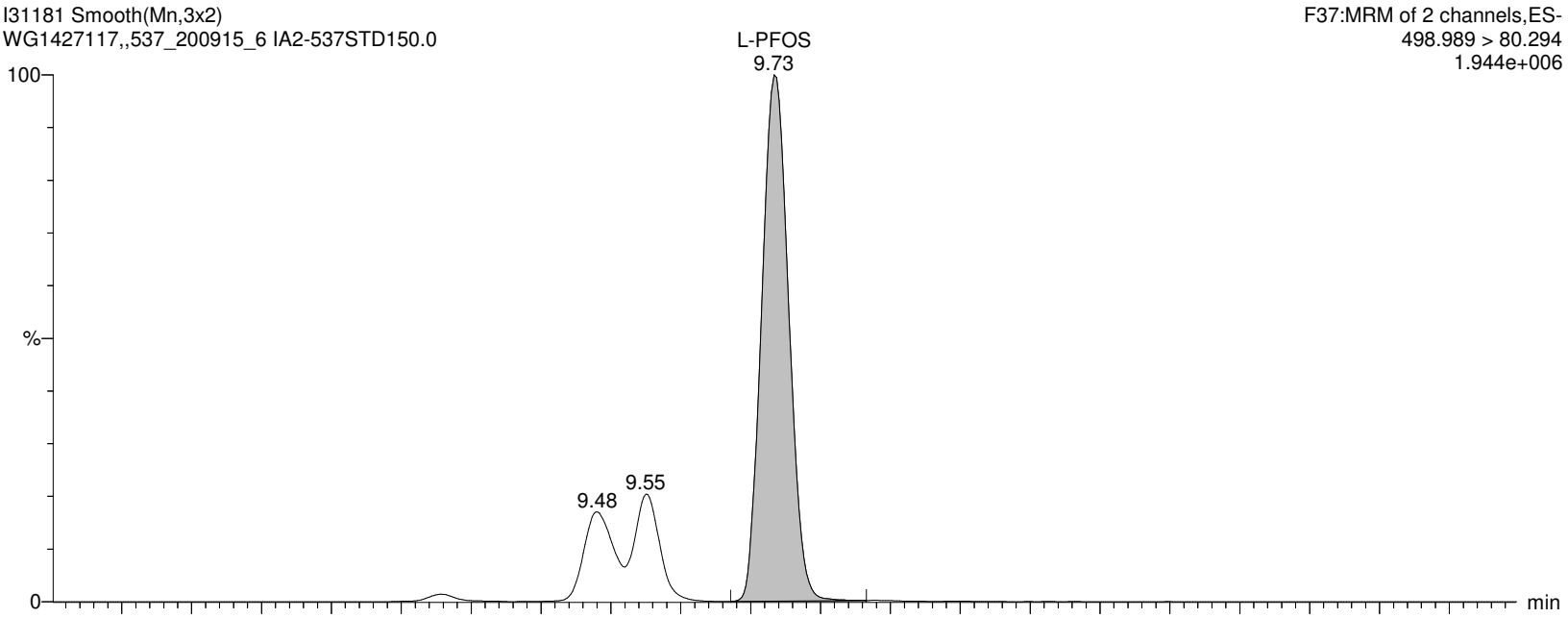

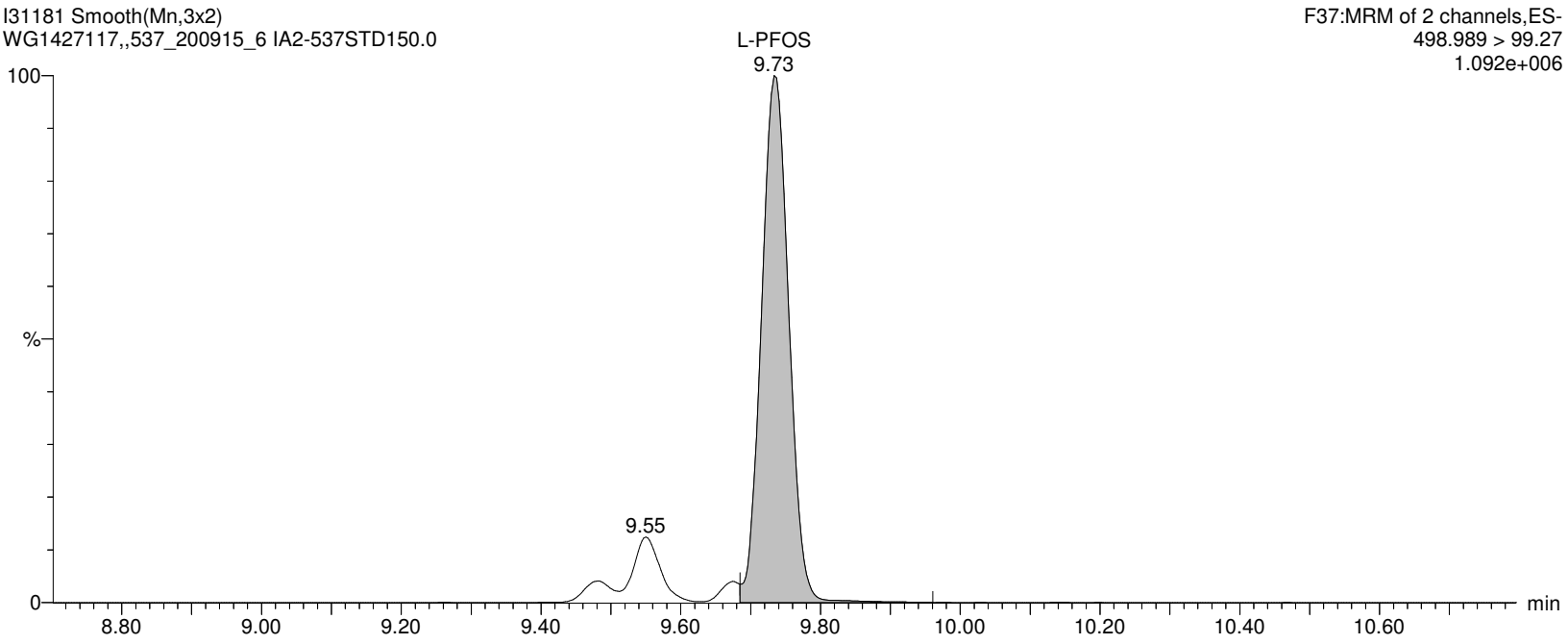

all concentration units in (ng/mL)

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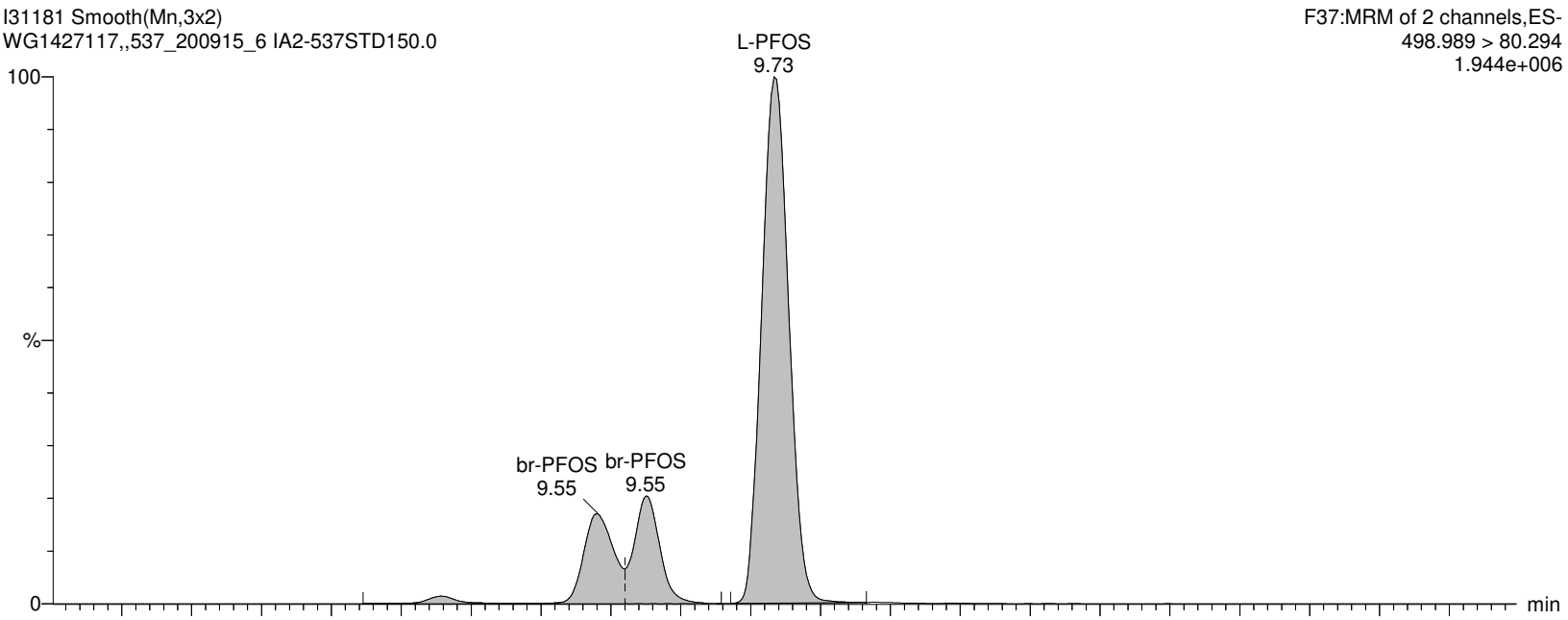

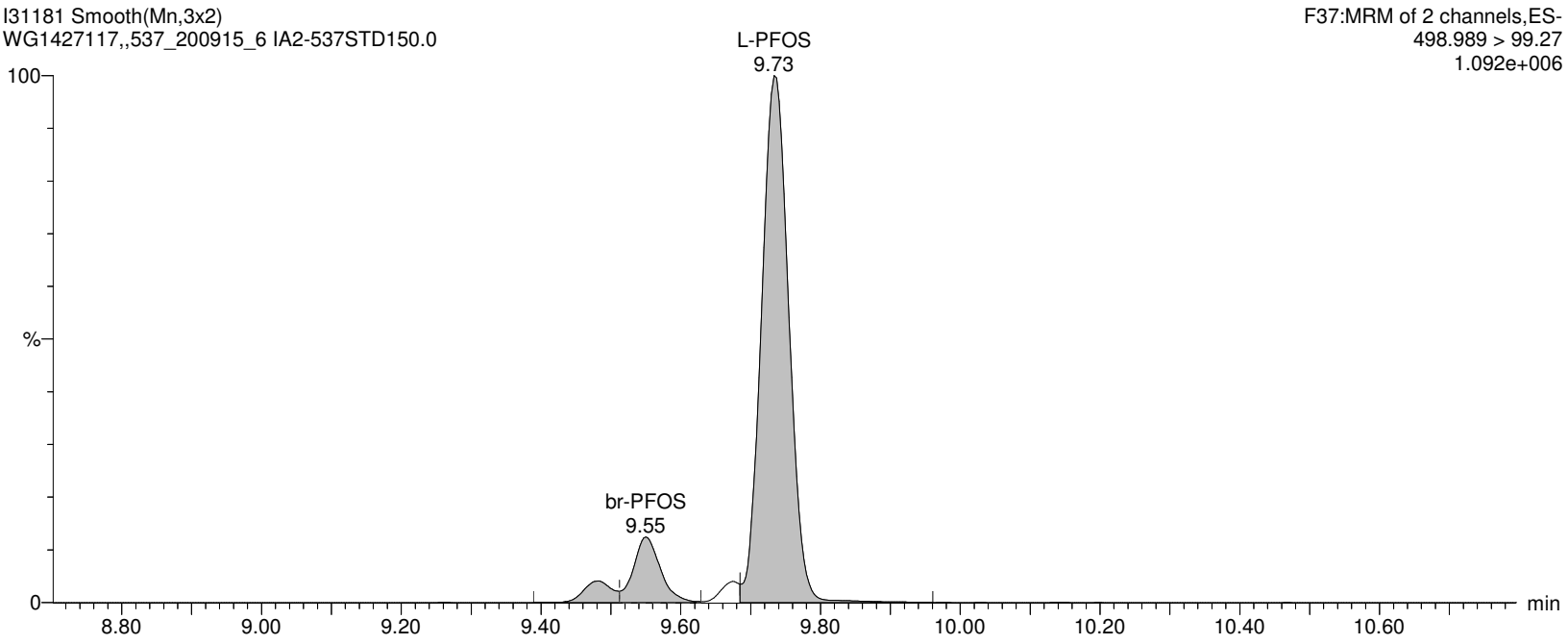

all concentration units in (ng/mL)

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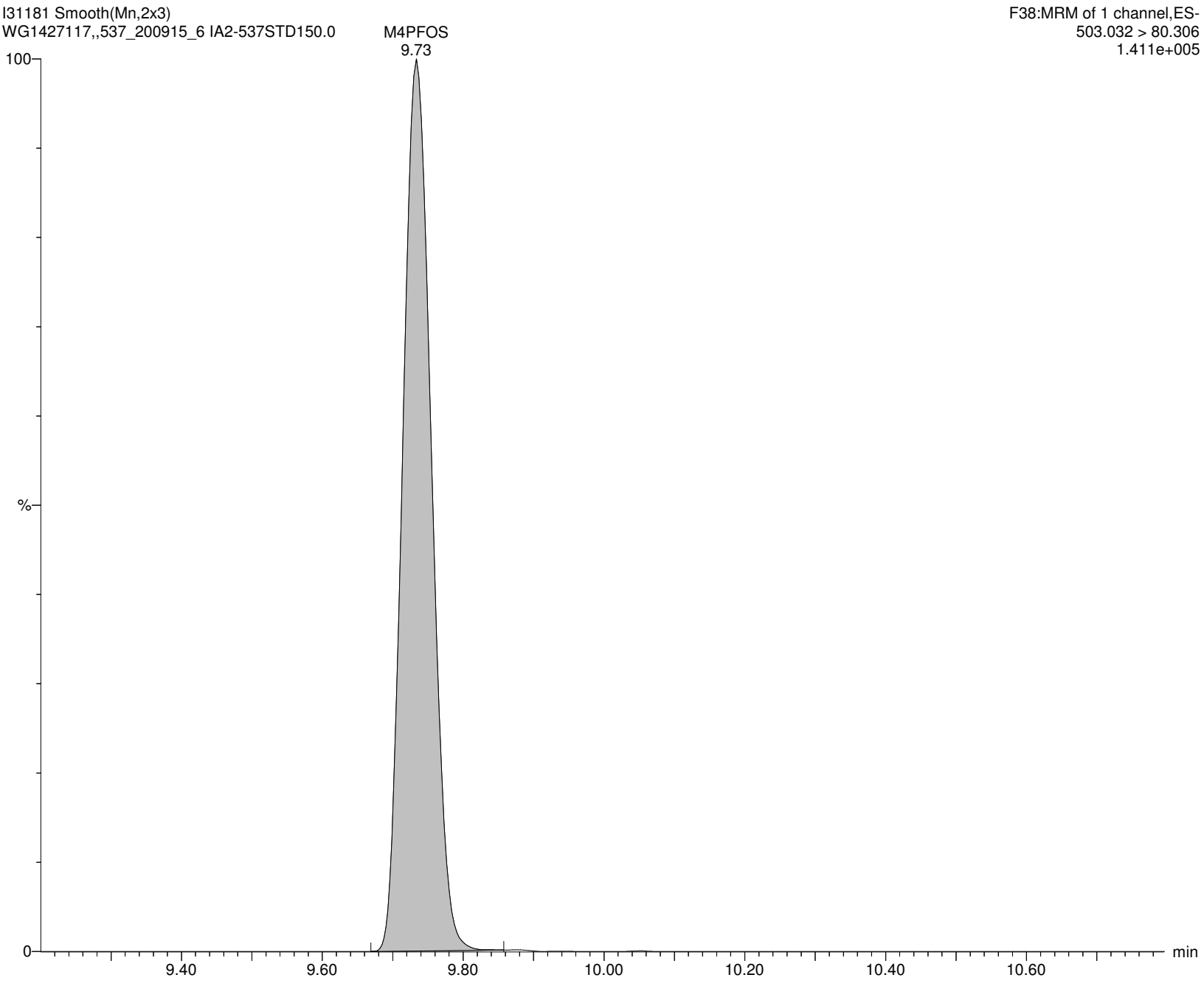

all concentration units in (ng/mL)

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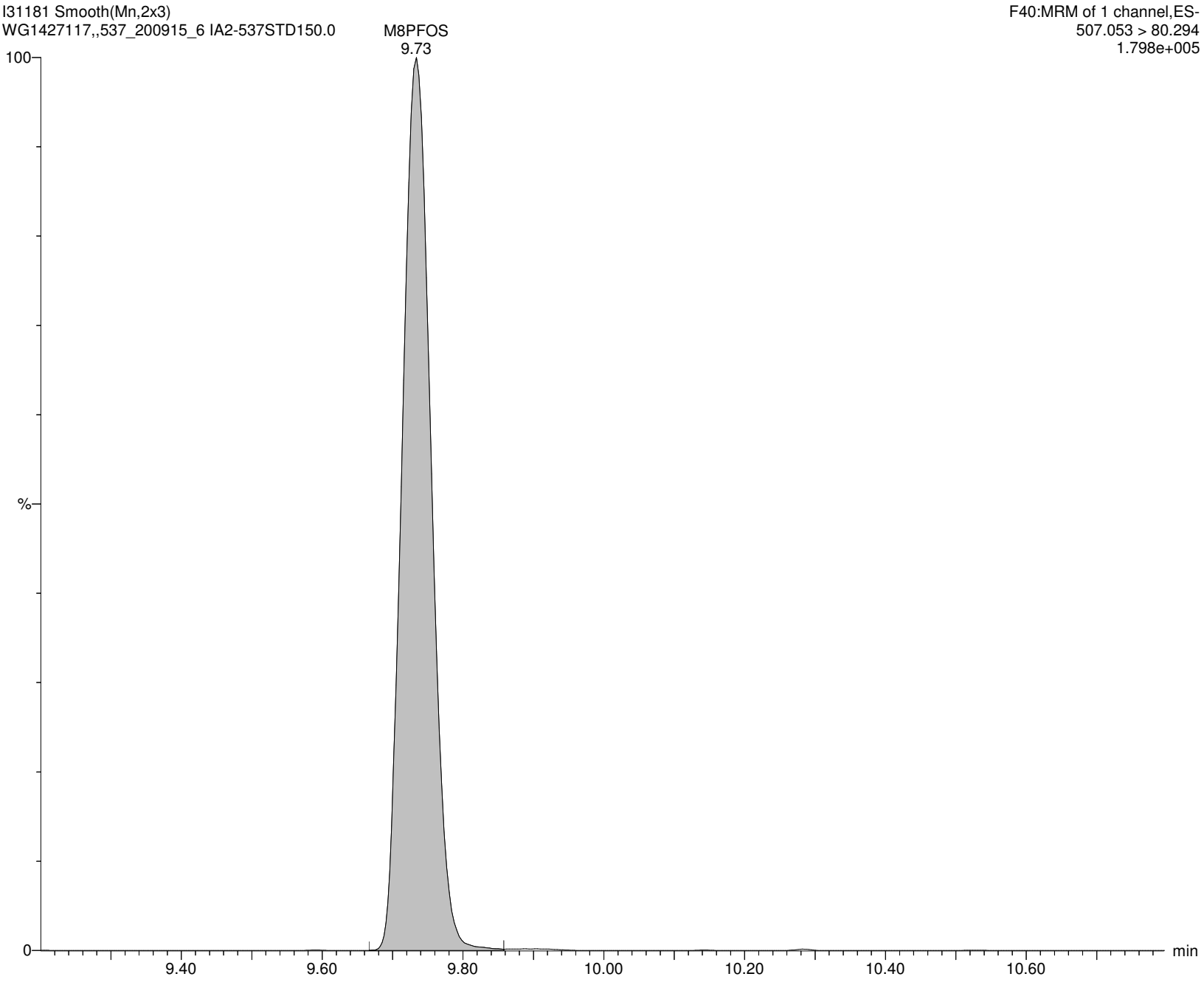

all concentration units in (ng/mL)

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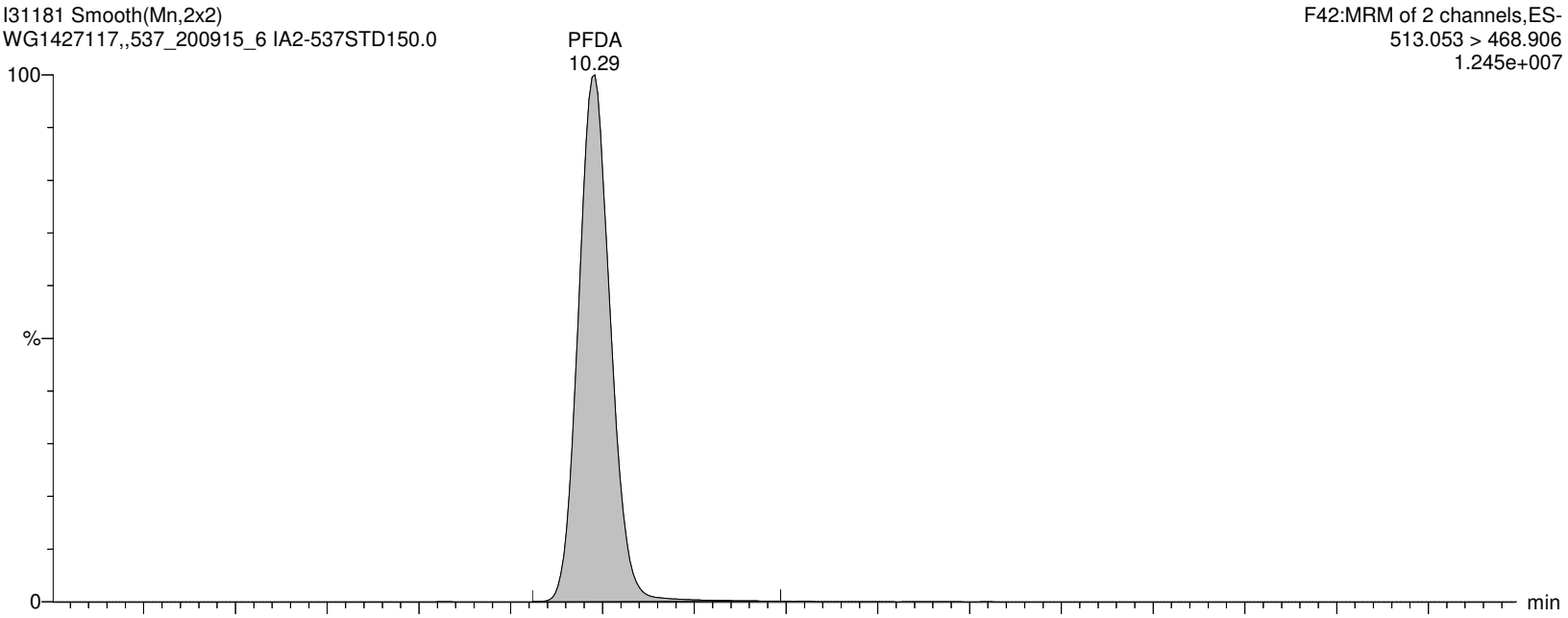

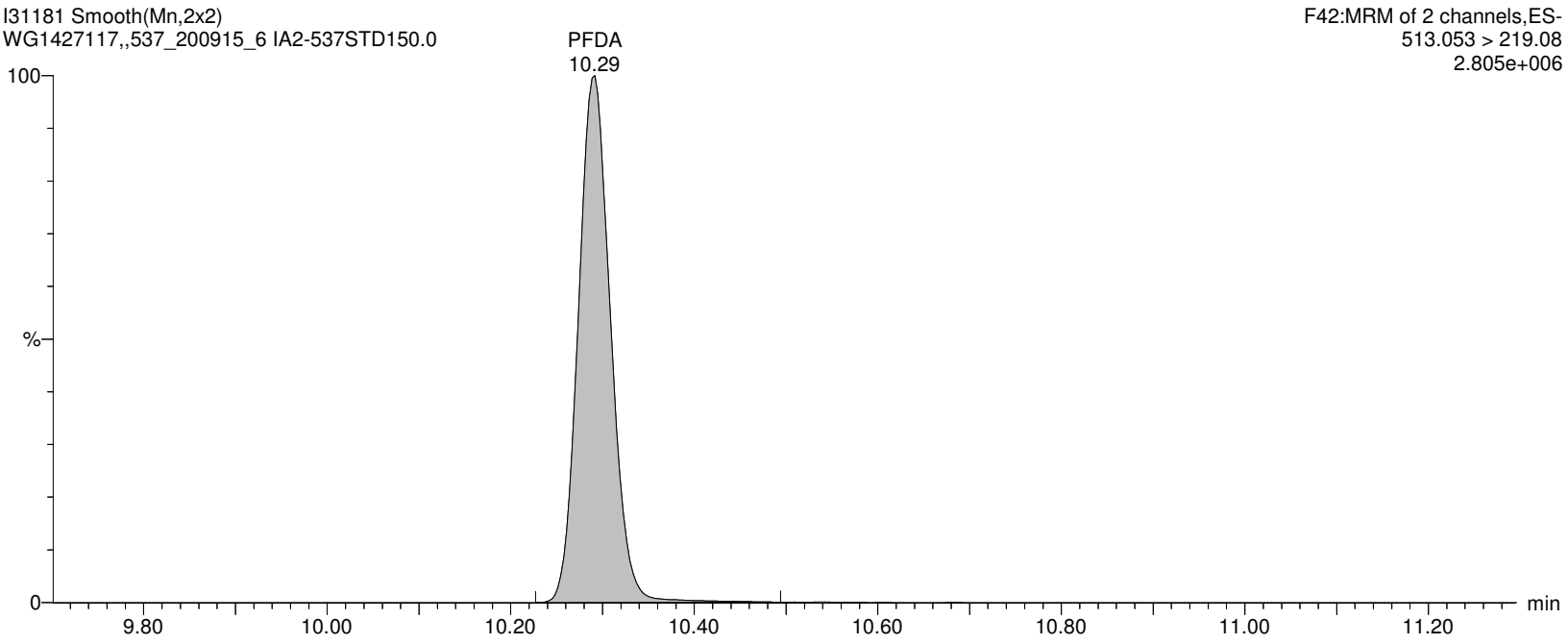

all concentration units in (ng/mL)

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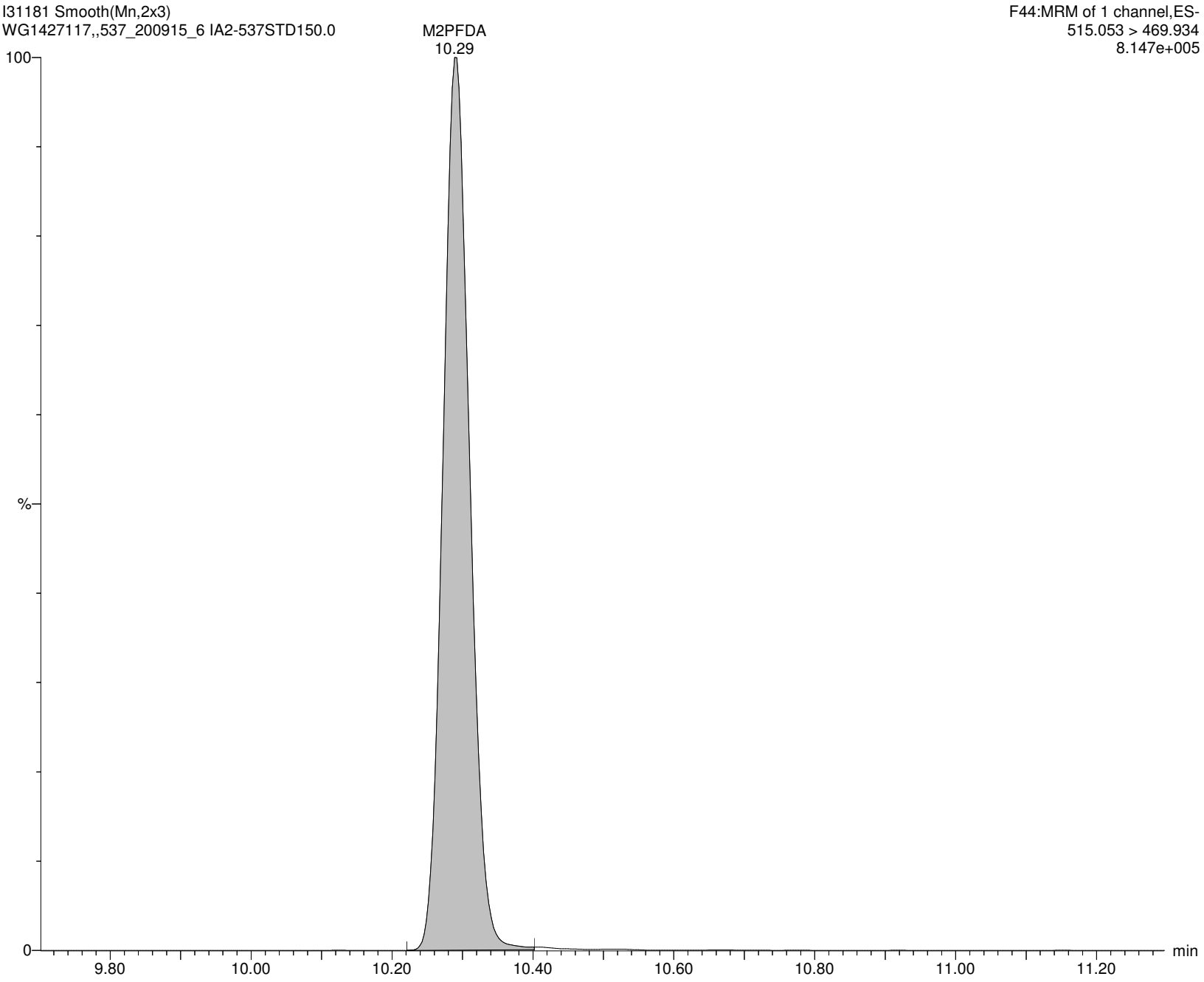

all concentration units in (ng/mL)

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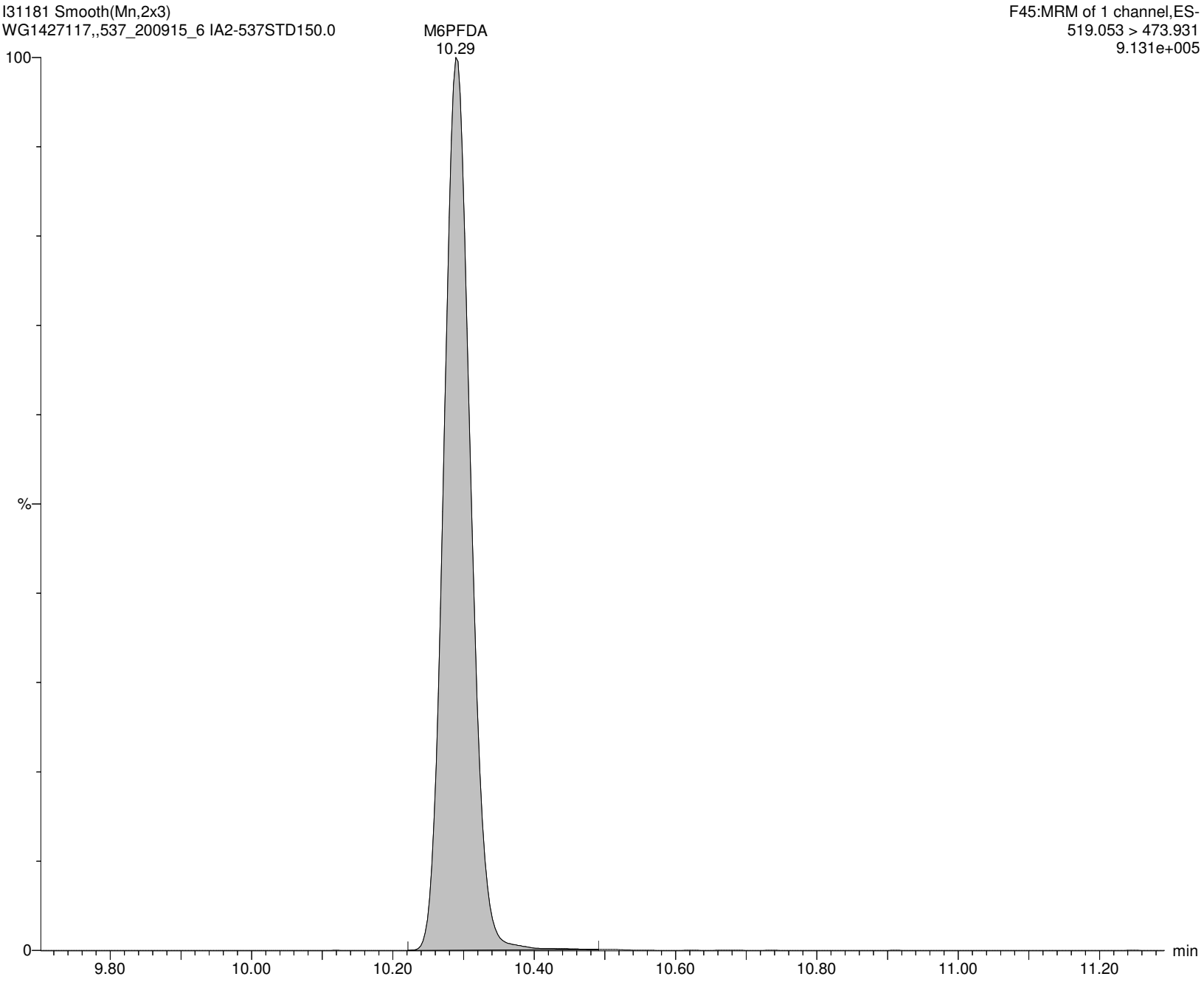

all concentration units in (ng/mL)

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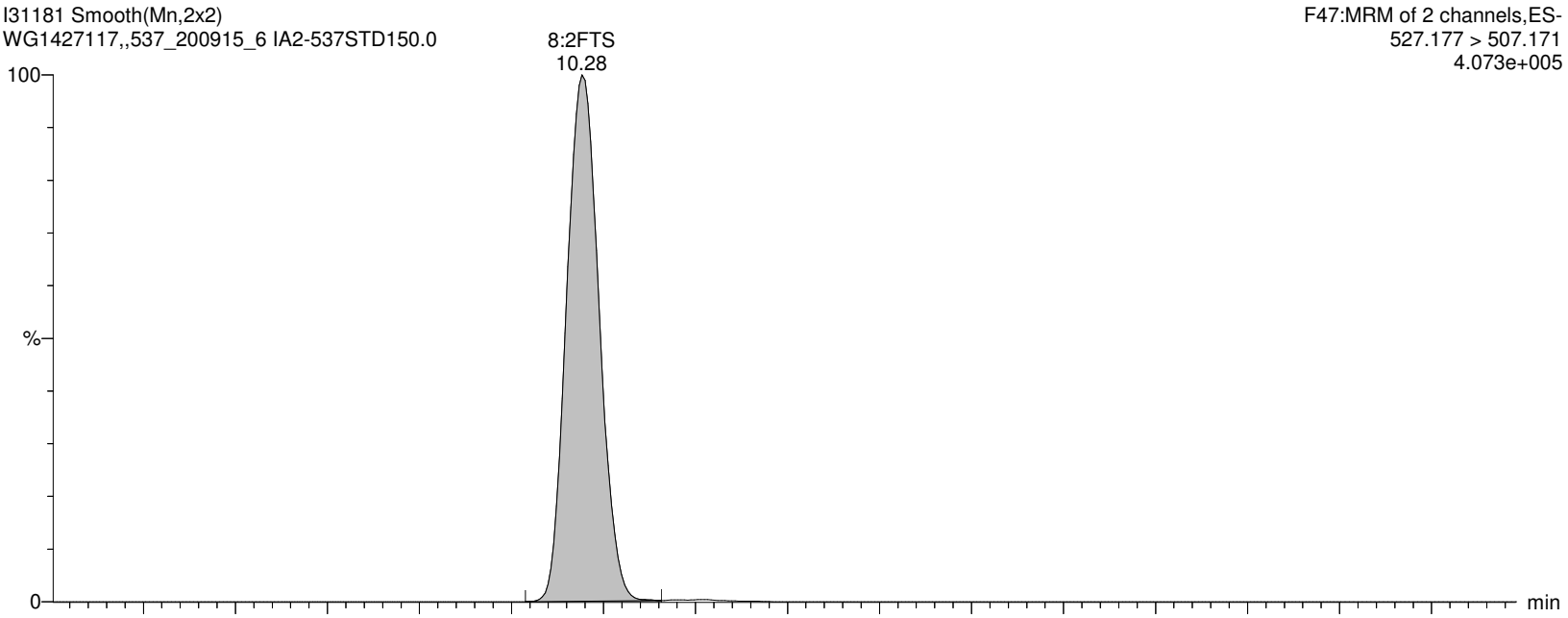

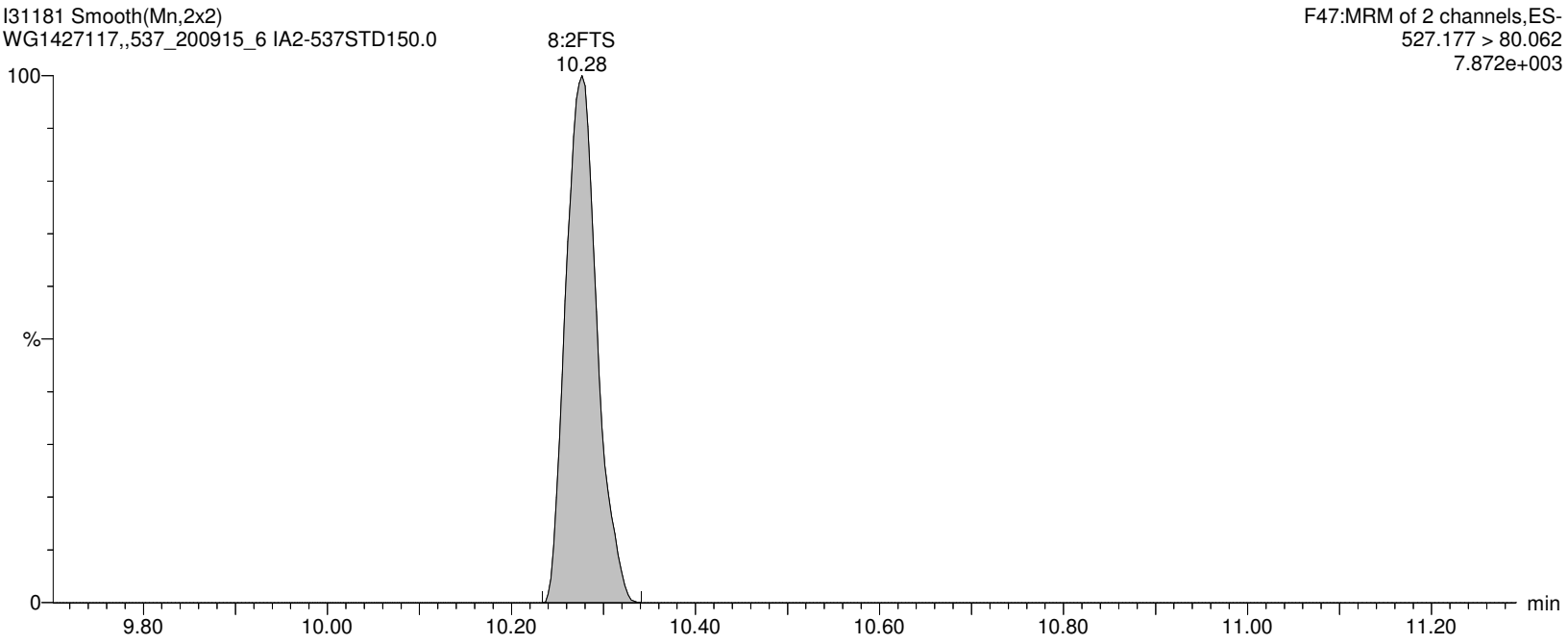

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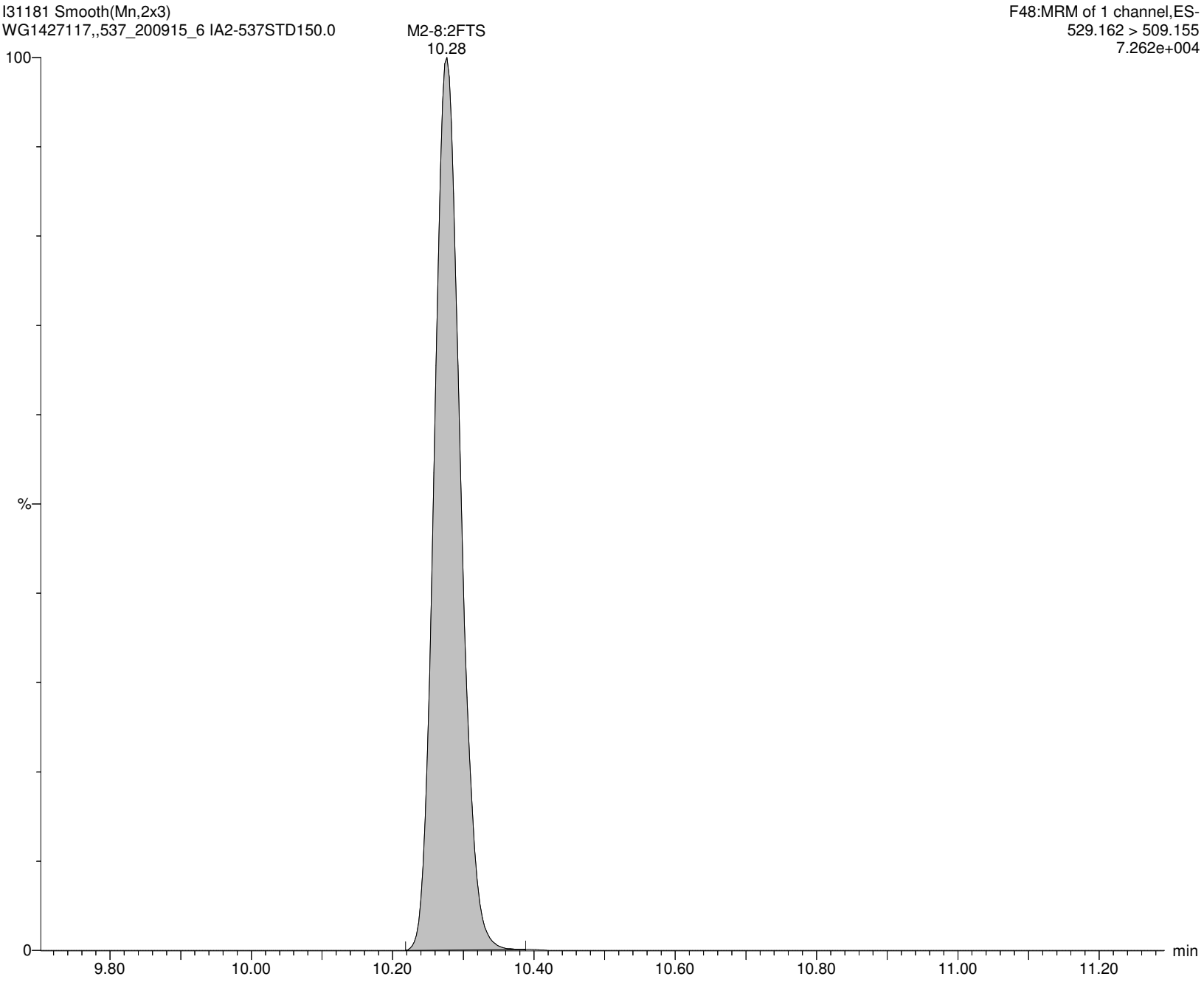

all concentration units in (ng/mL)

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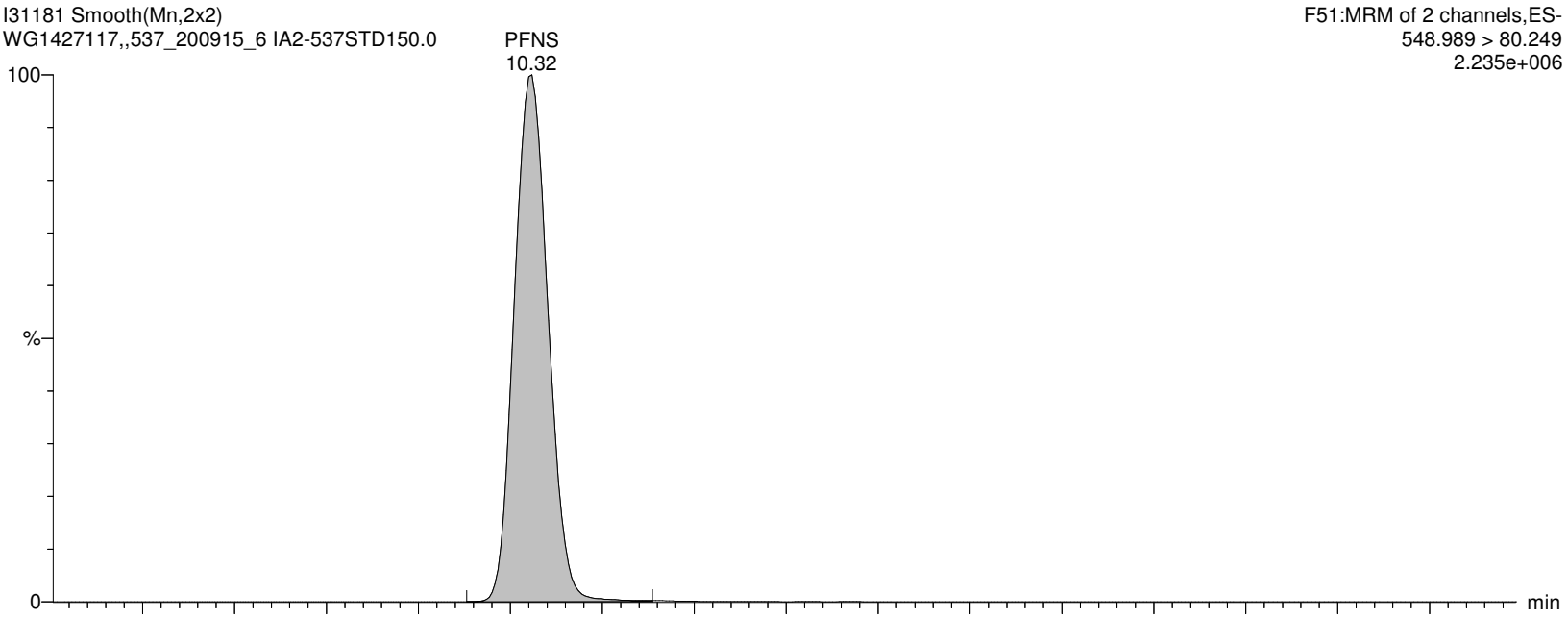

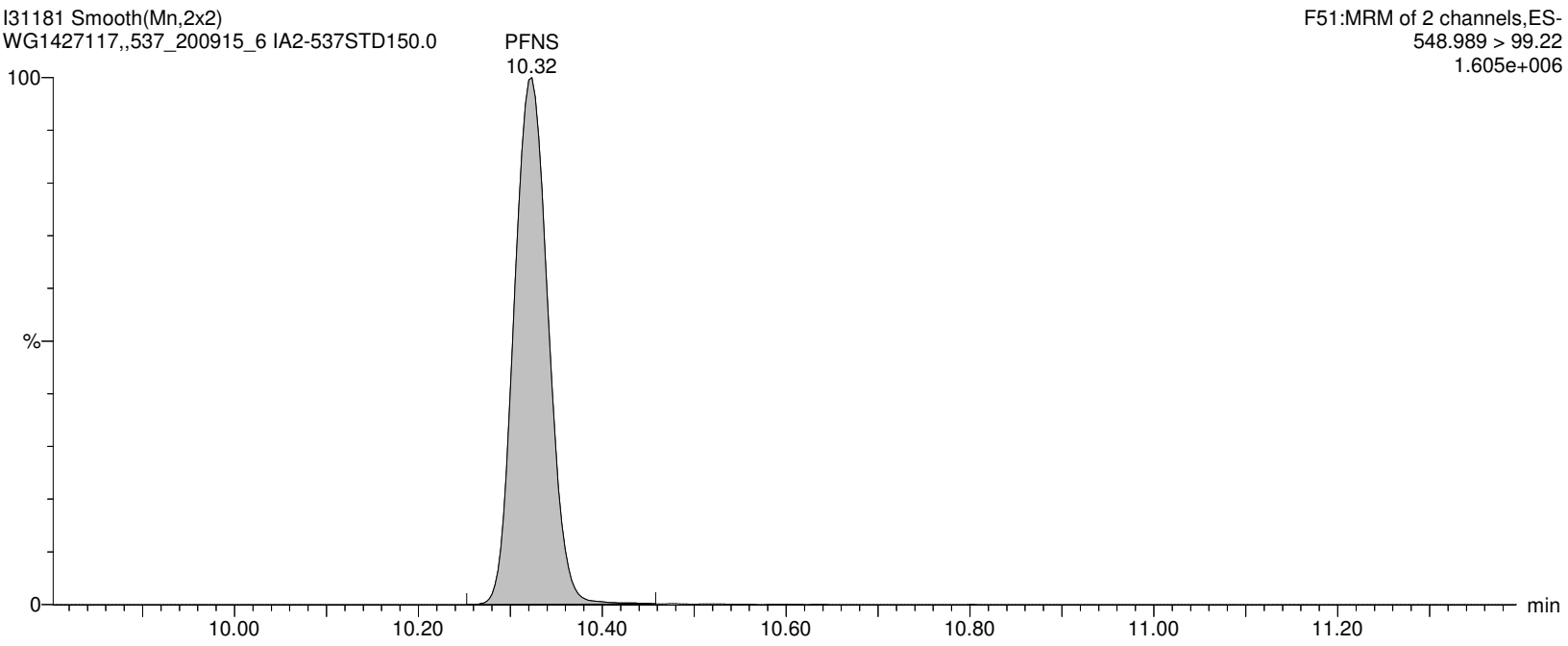

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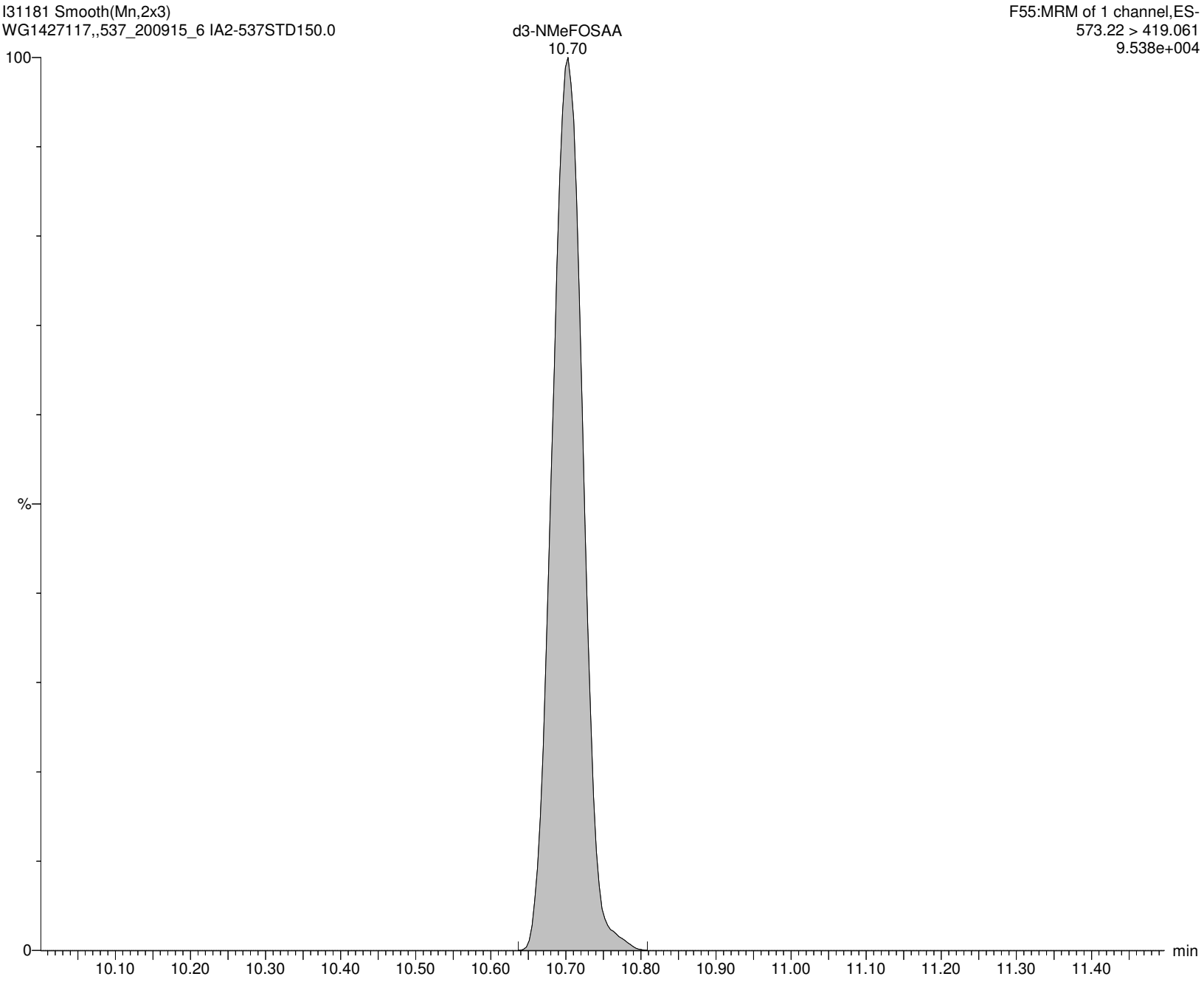

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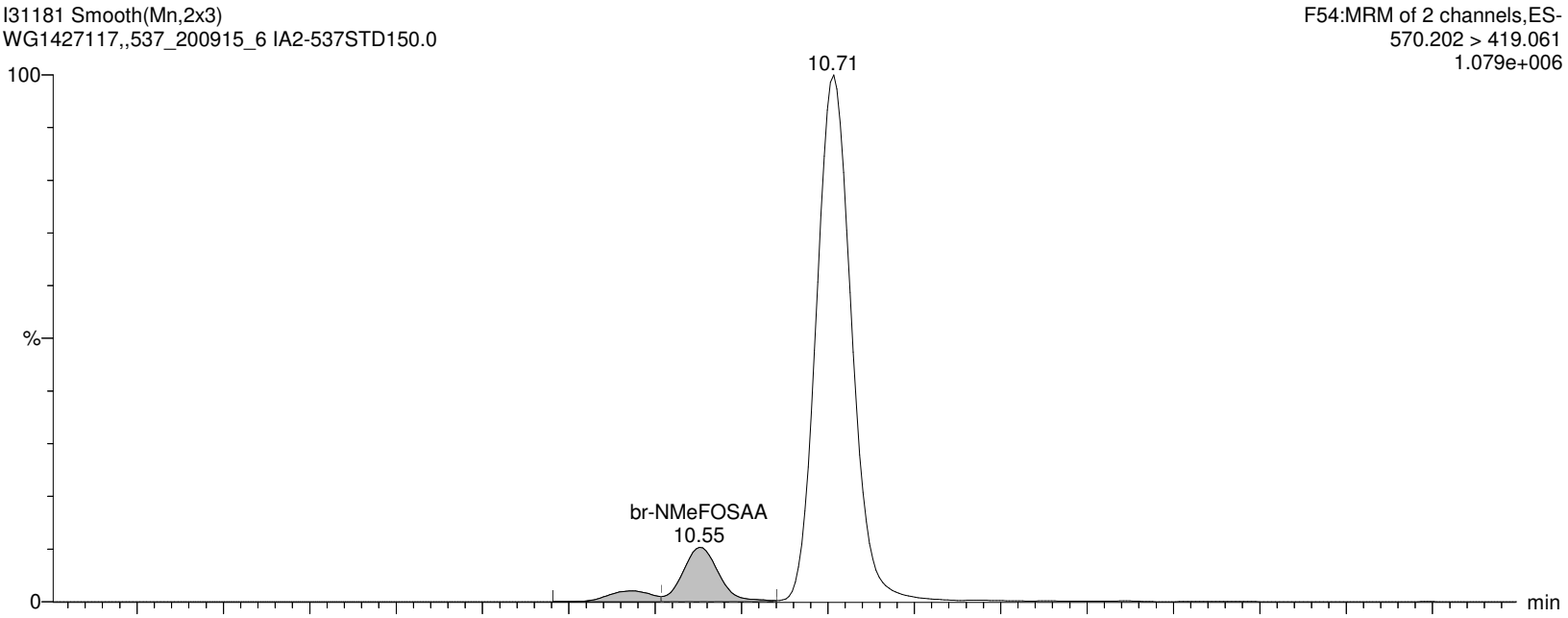

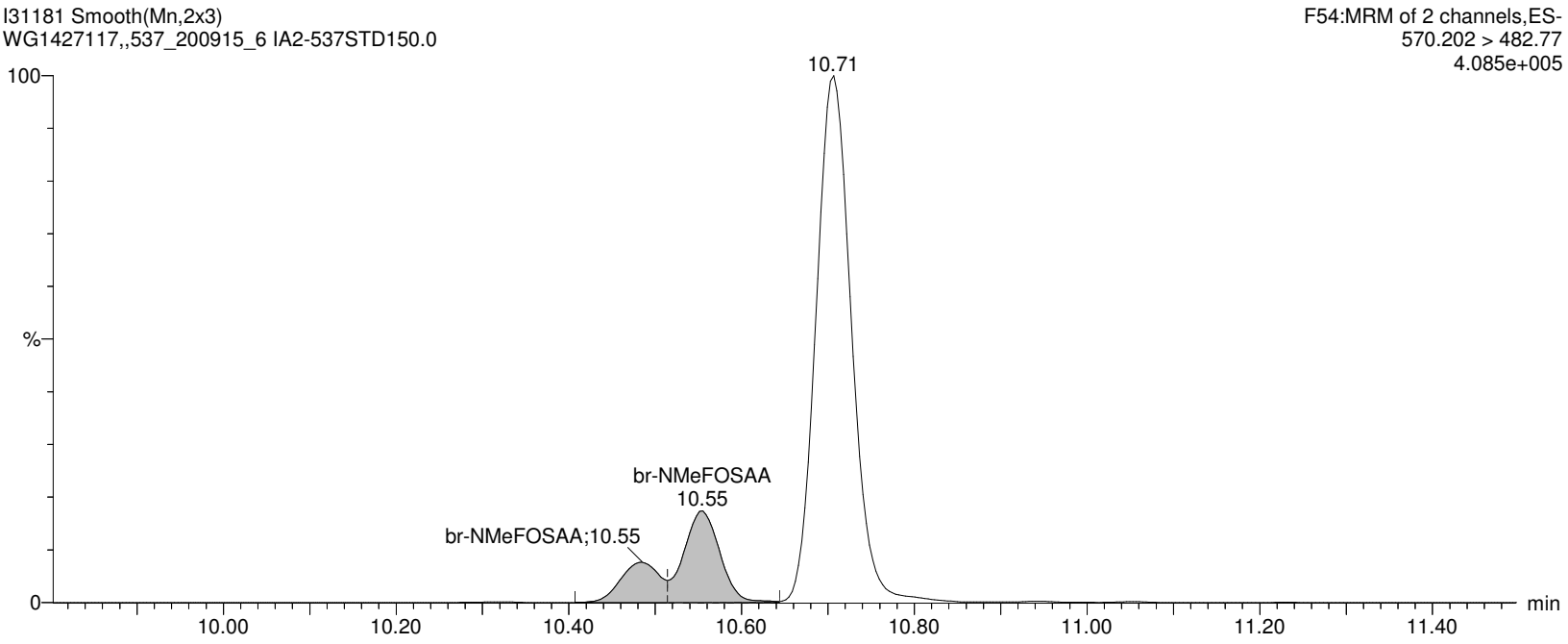

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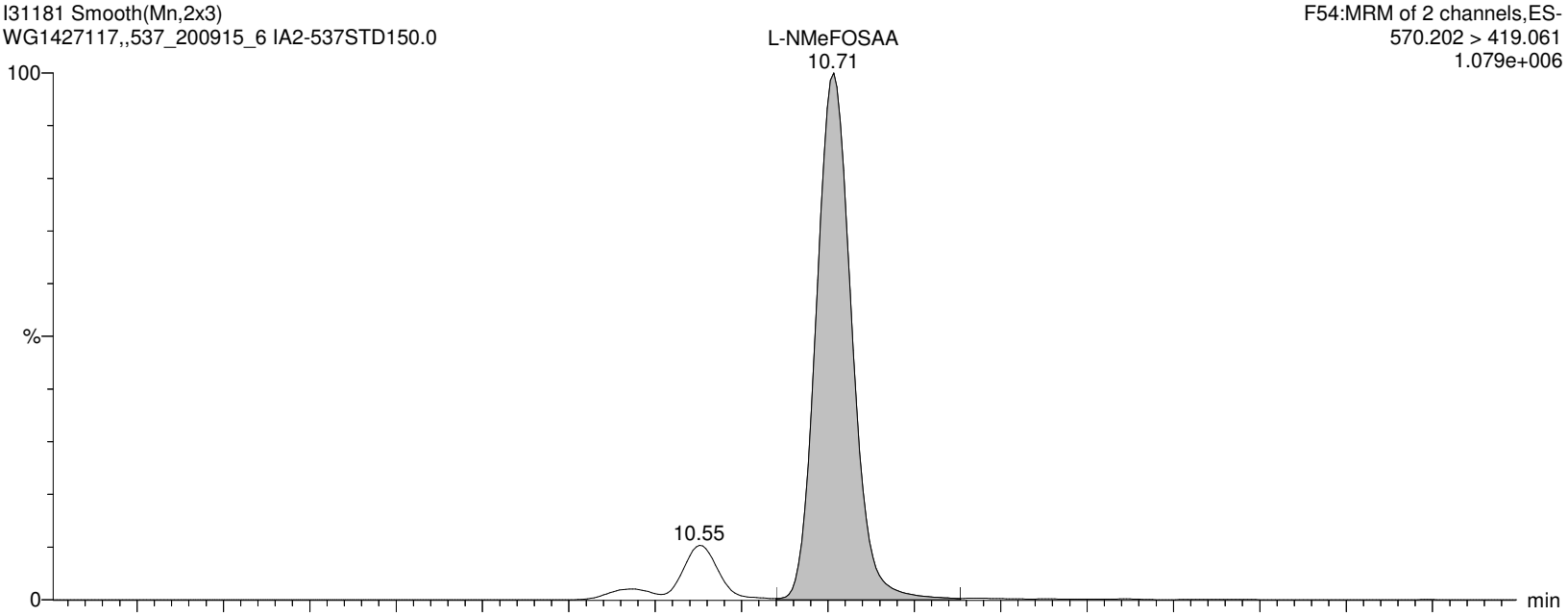

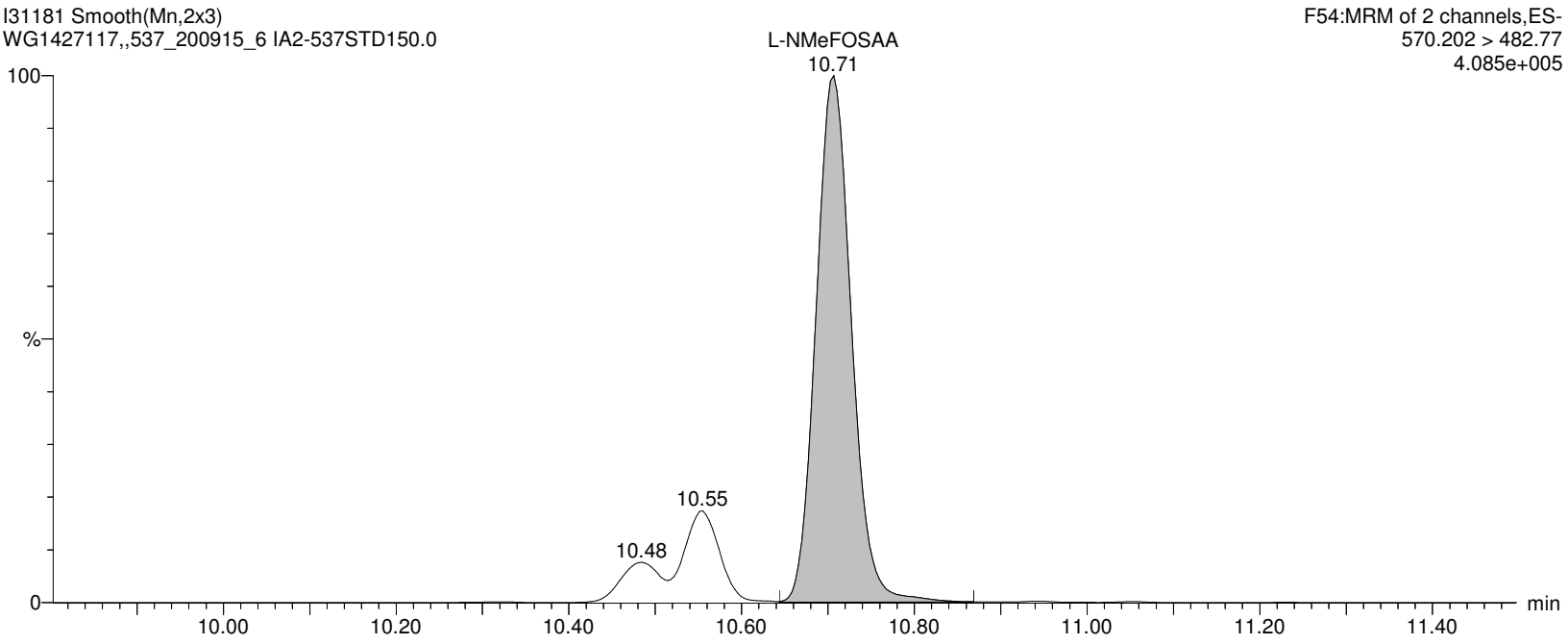

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:15:56 Eastern Daylight Time

Name: I31181
ID: IA2-537STD150.0
Date: 27-Oct-2020
Time: 19:03:25
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User: LCMS02:JW
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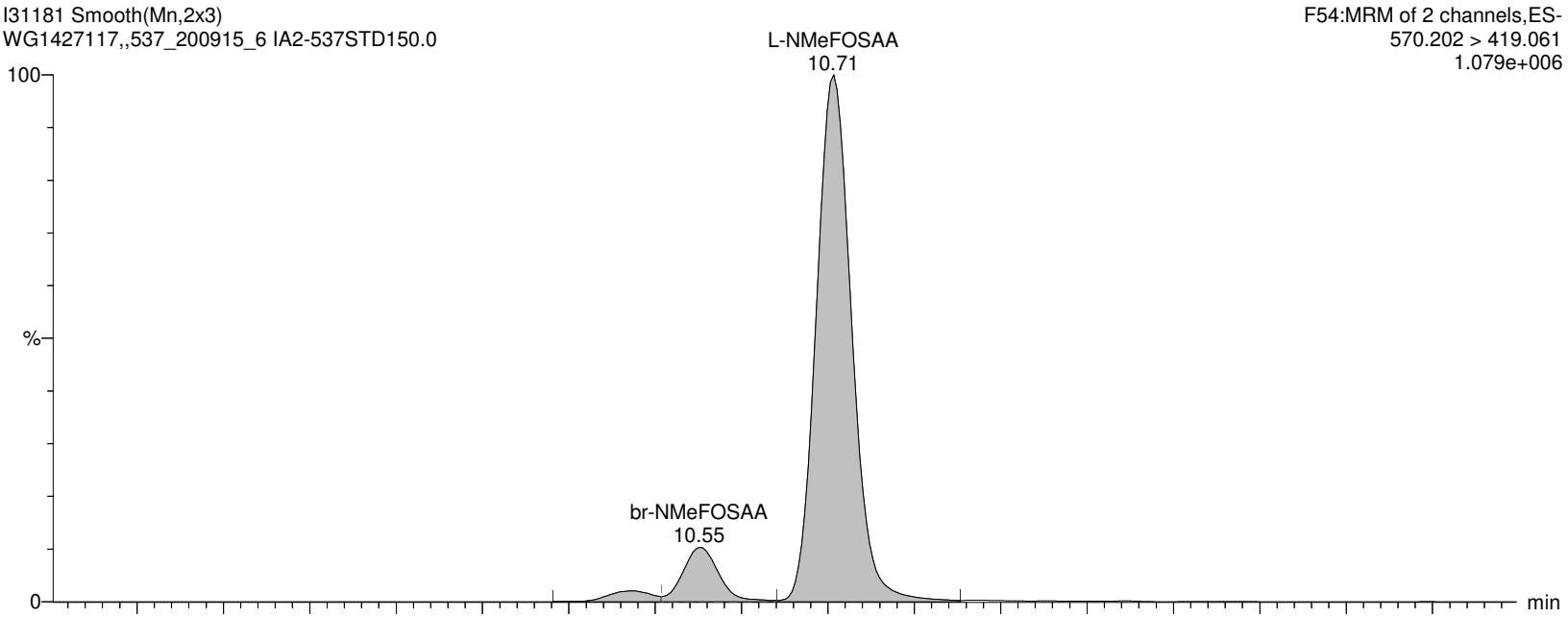

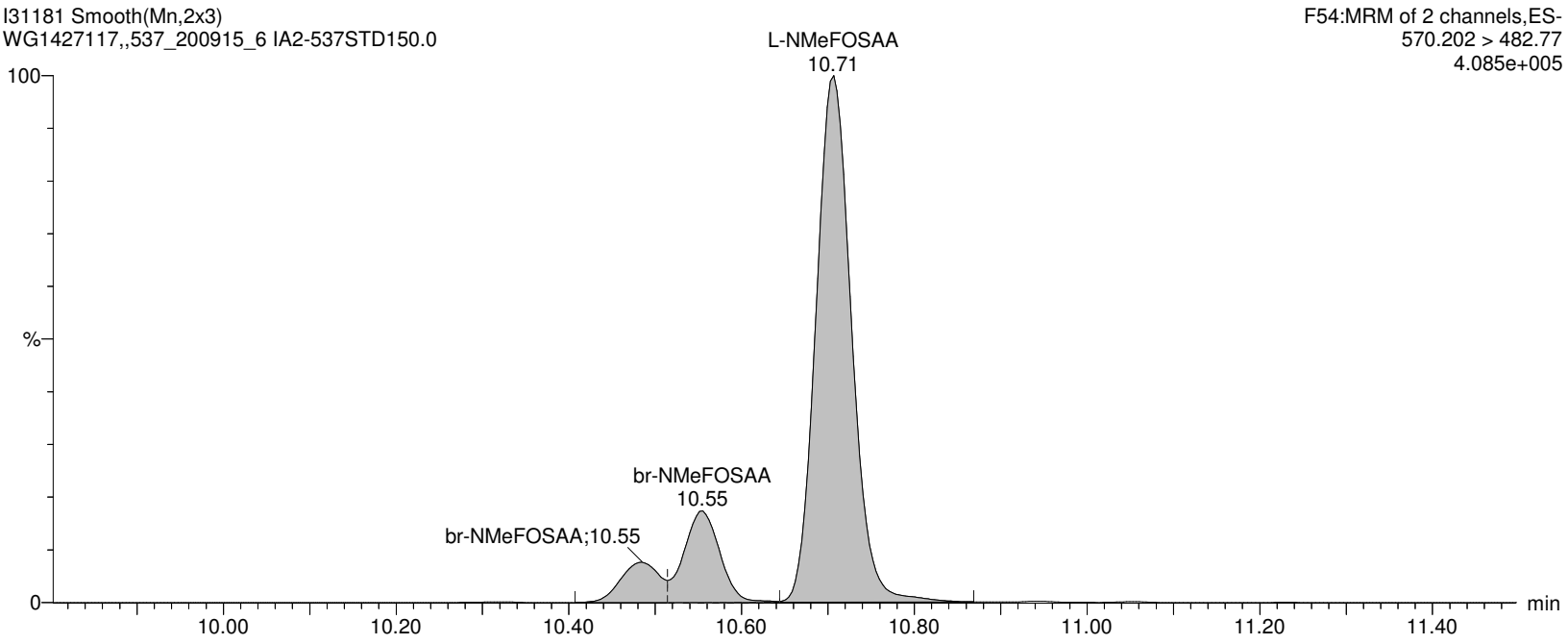

all concentration units in (ng/mL)

Alpha Analytical Inc.
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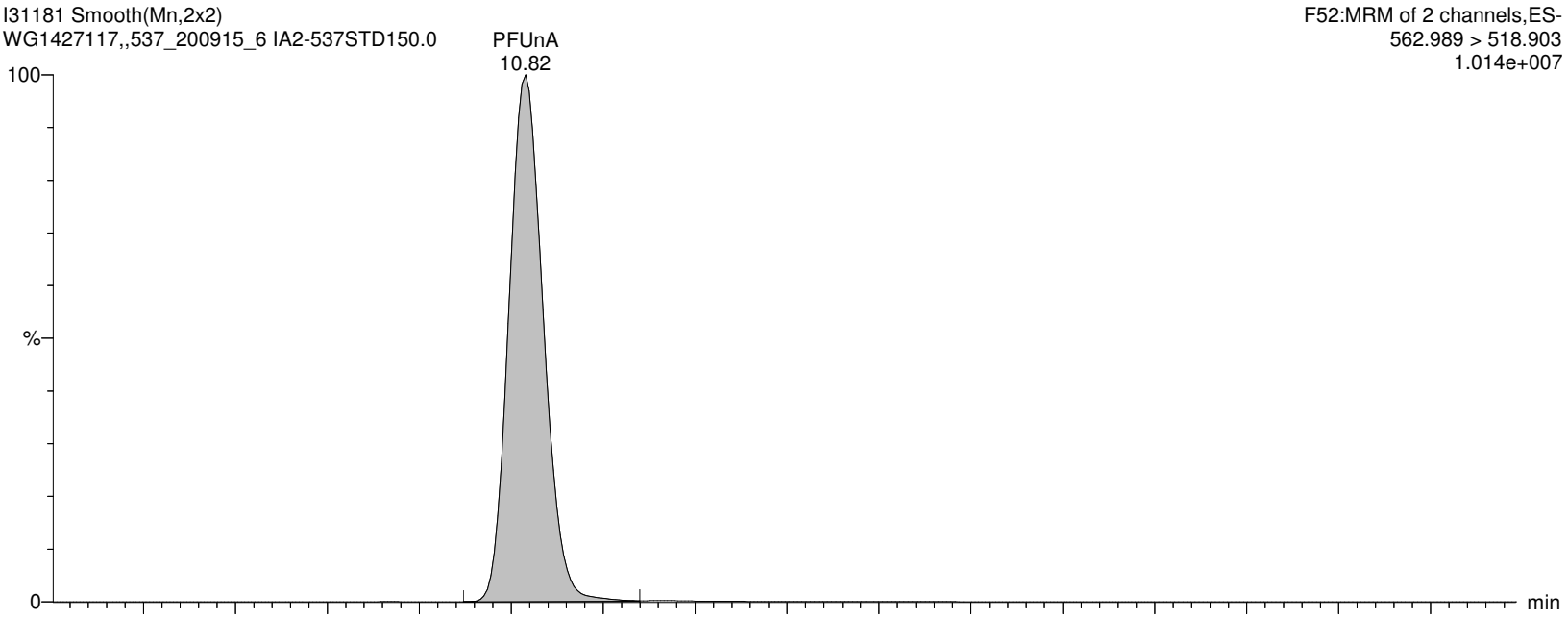

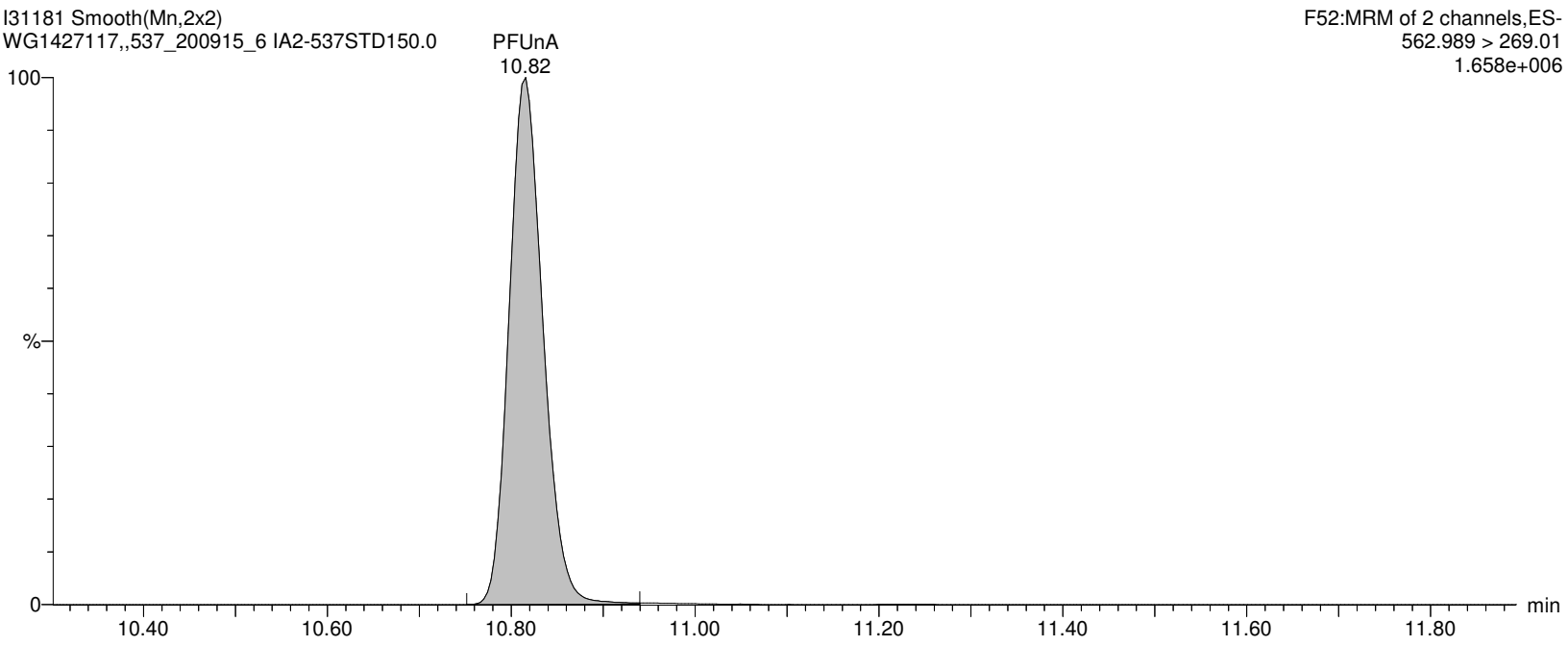

all concentration units in (ng/mL)

Alpha Analytical Inc.
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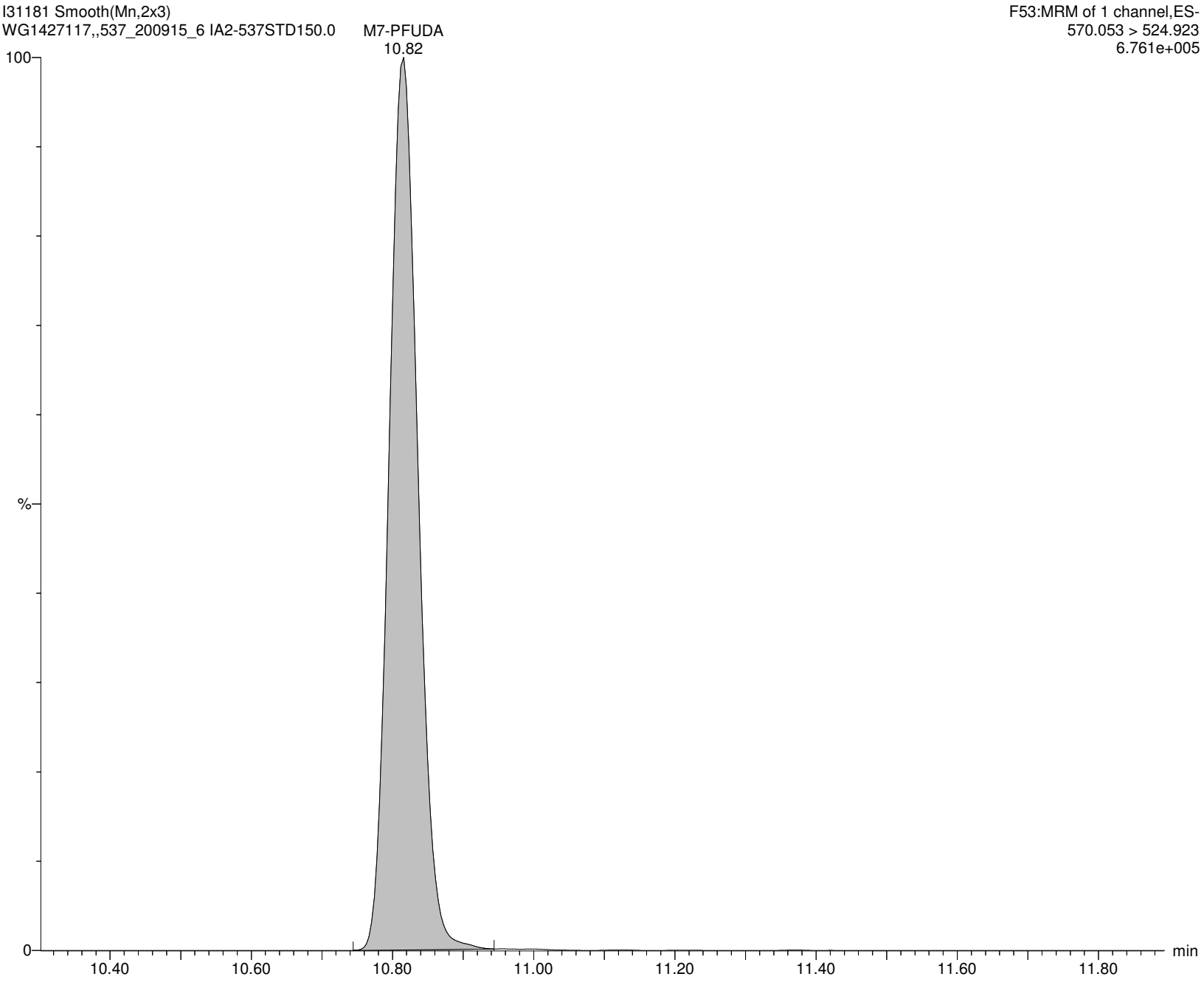

all concentration units in (ng/mL)

Alpha Analytical Inc.
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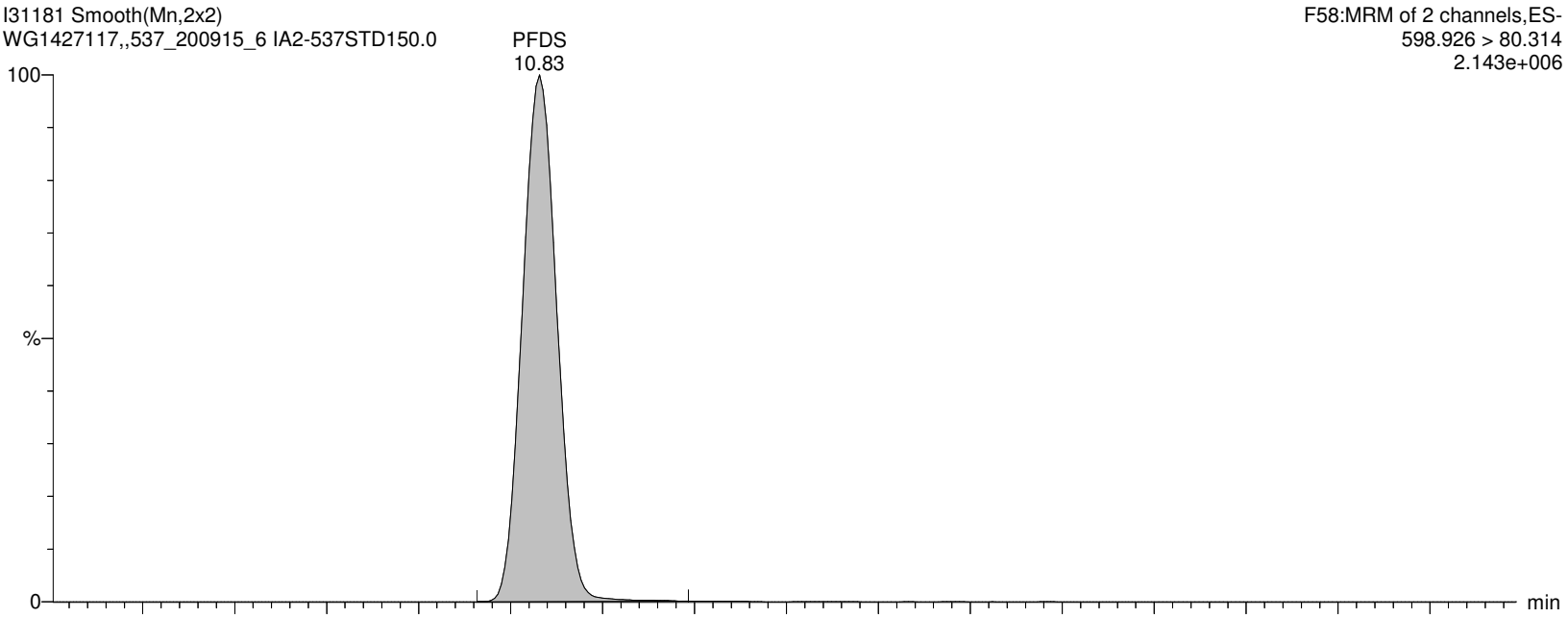

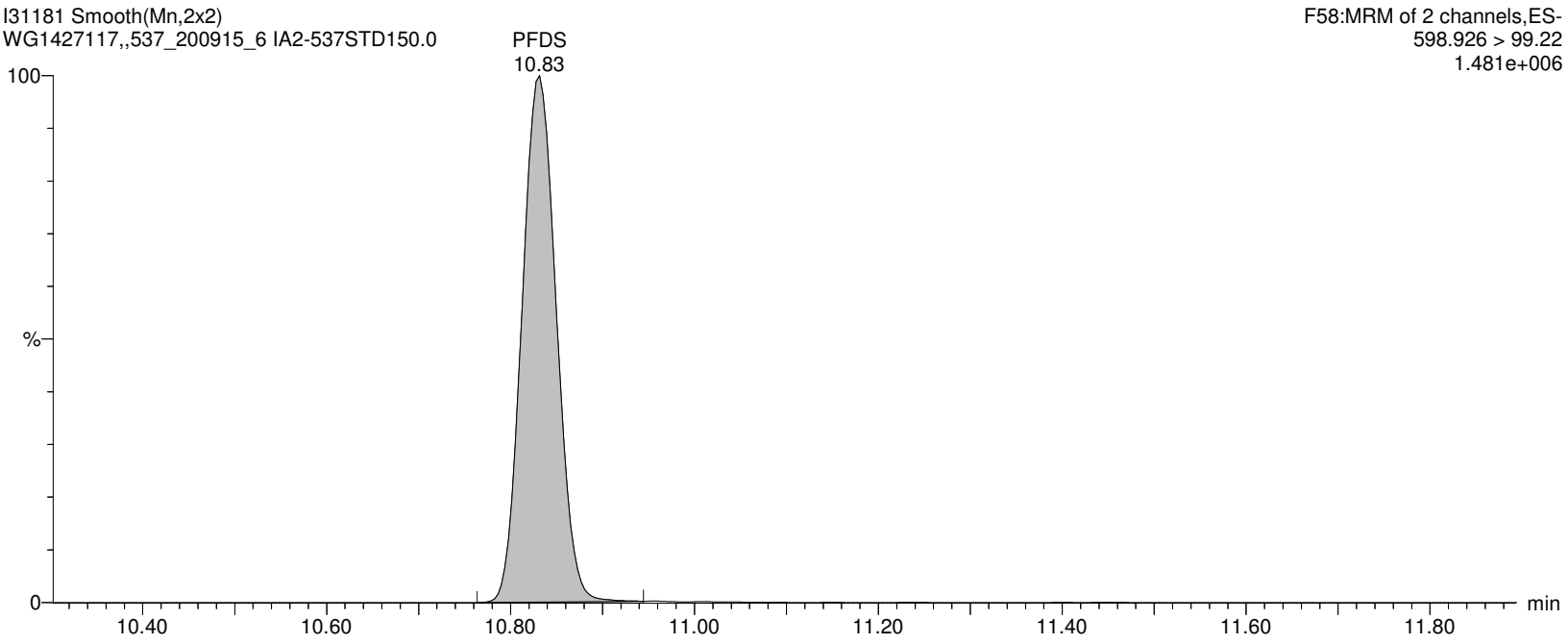

all concentration units in (ng/mL)

Alpha Analytical Inc.
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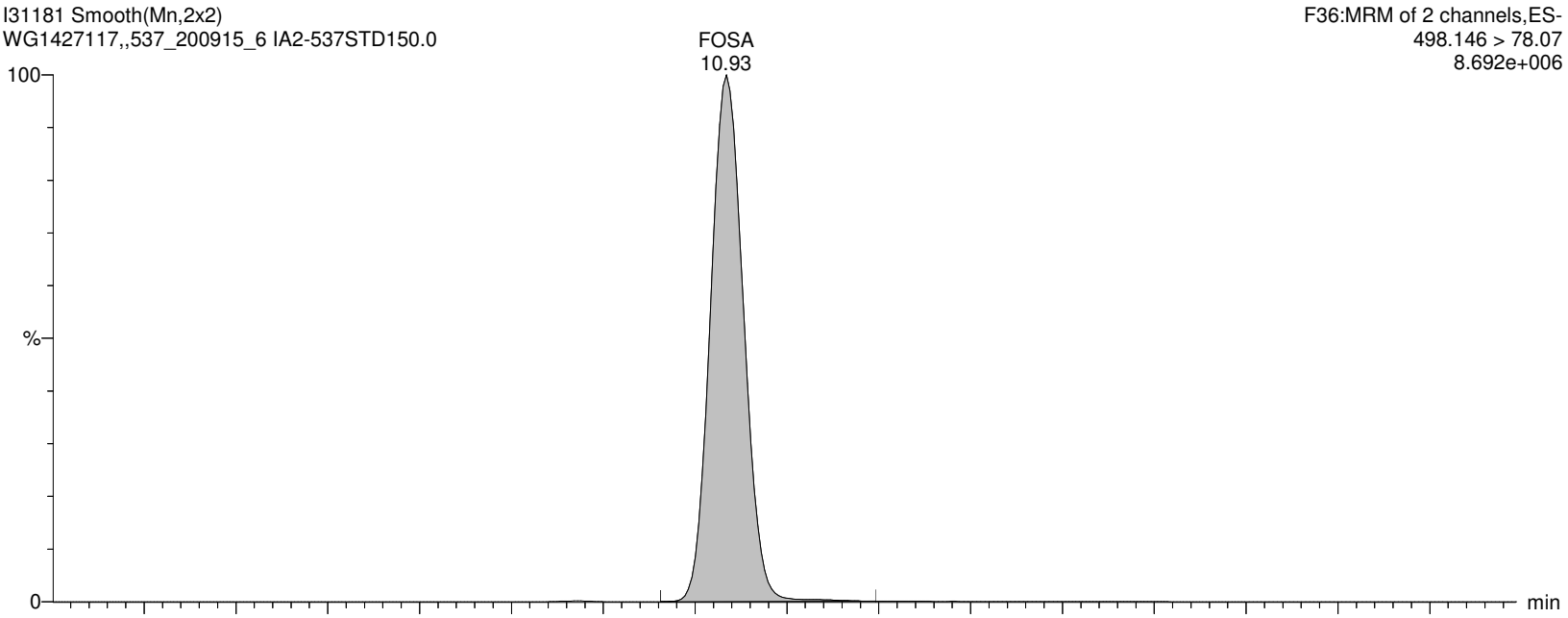

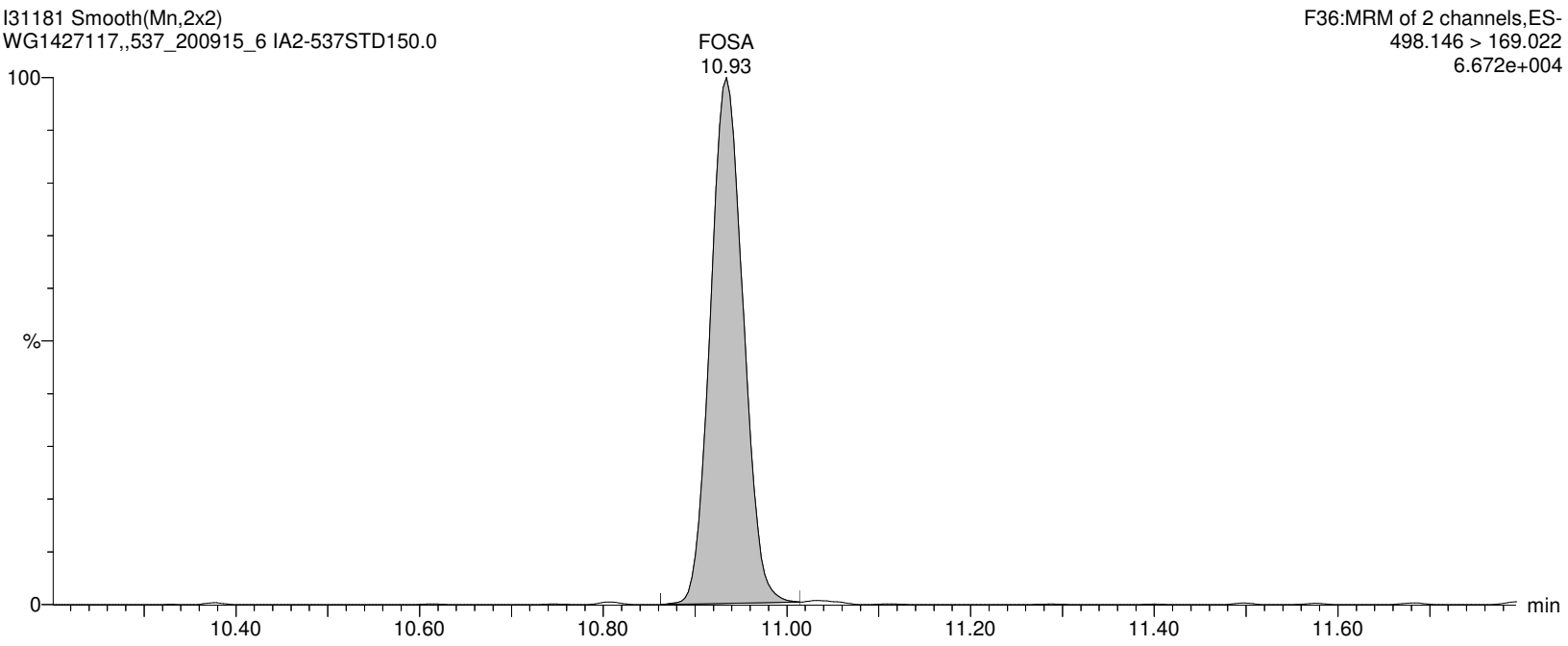

all concentration units in (ng/mL)

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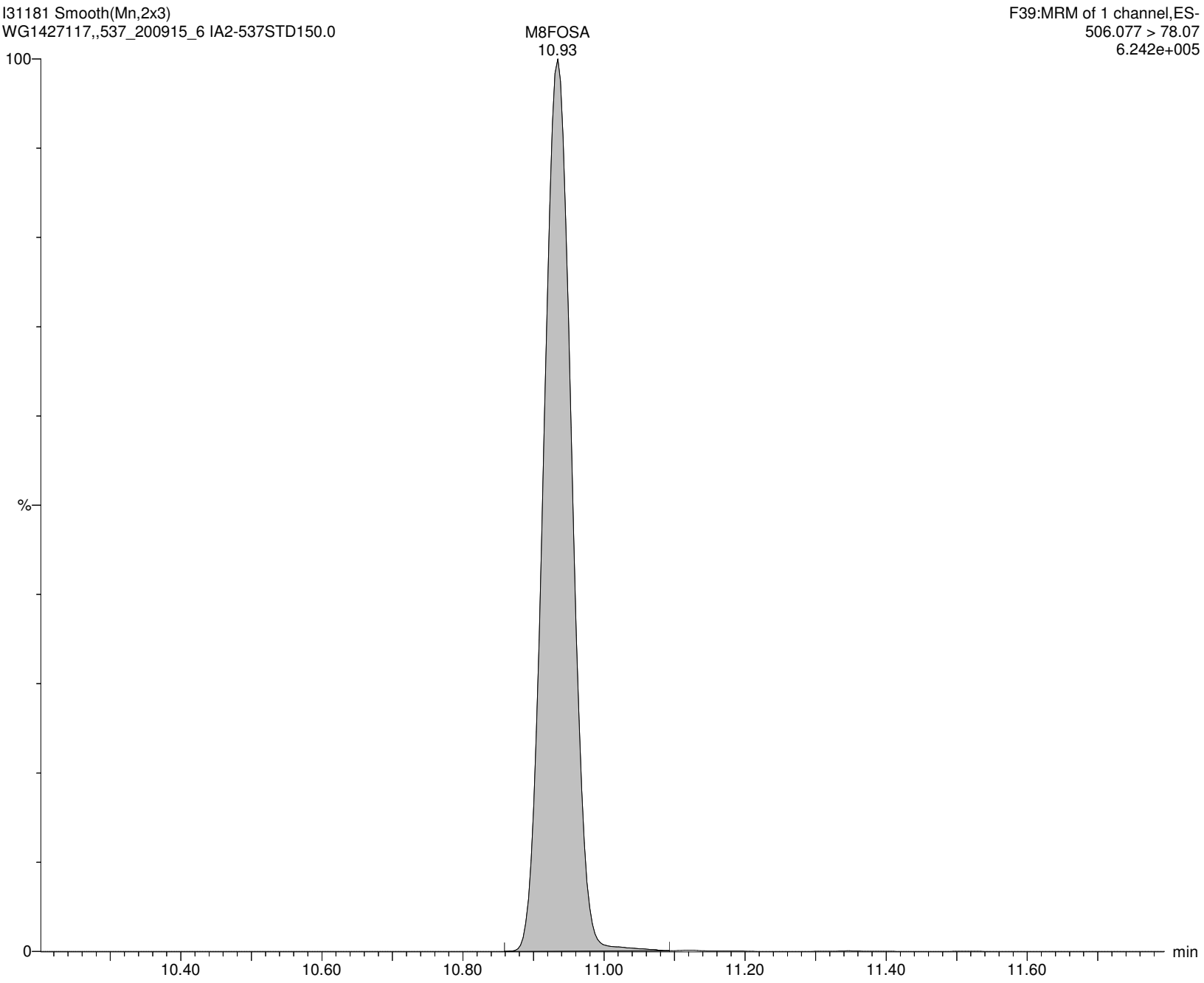

all concentration units in (ng/mL)

Alpha Analytical Inc.
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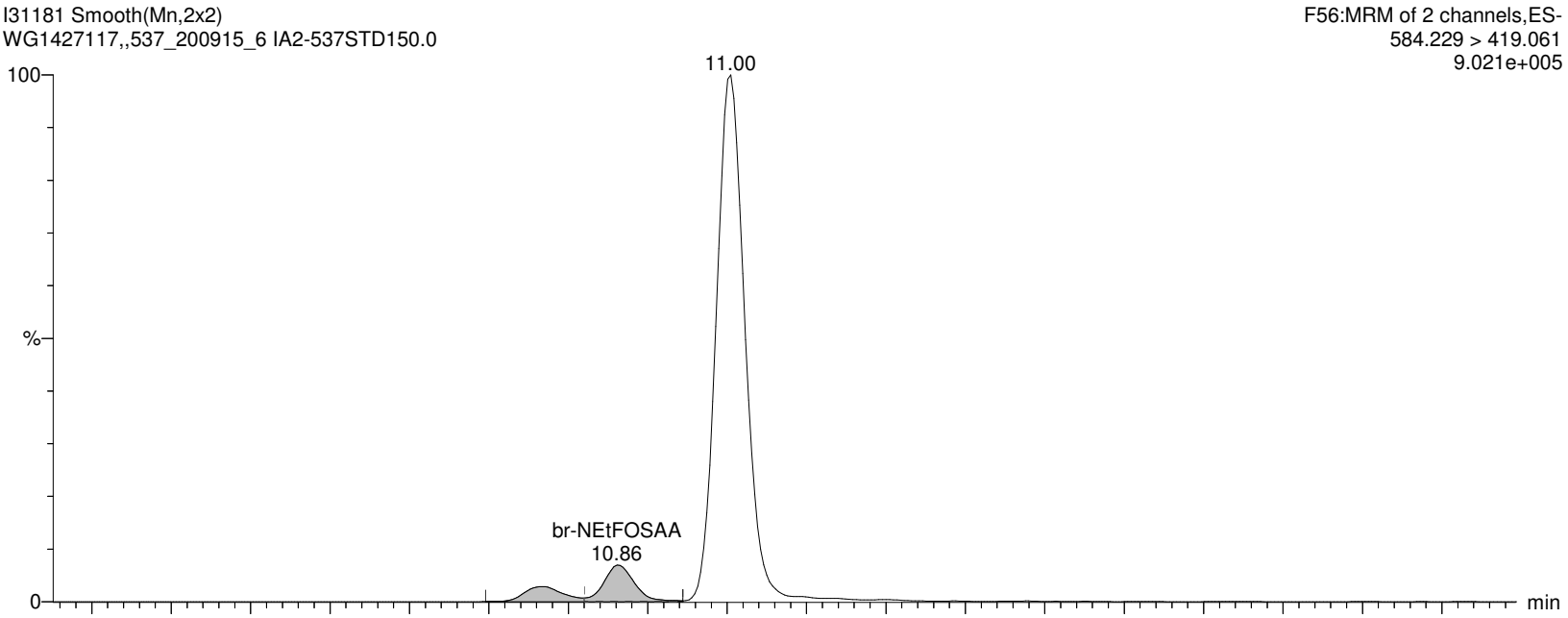

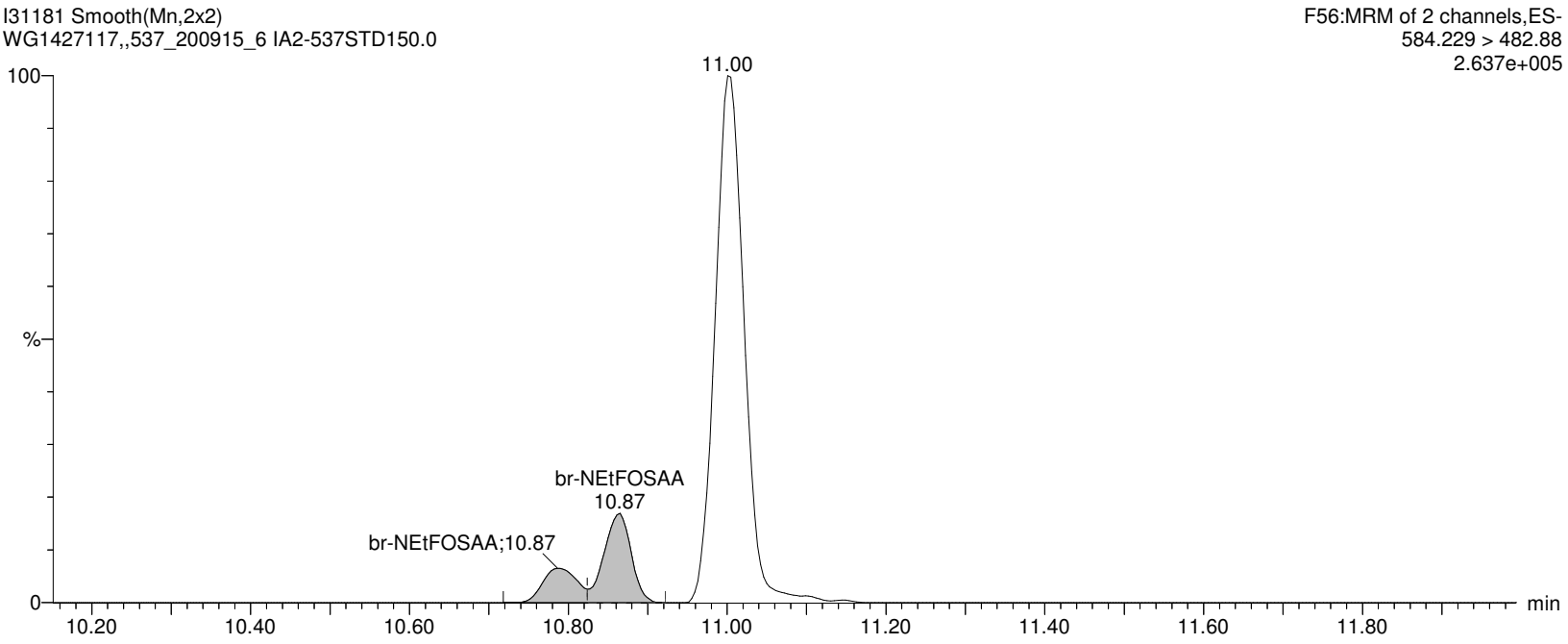

all concentration units in (ng/mL)

Alpha Analytical Inc.
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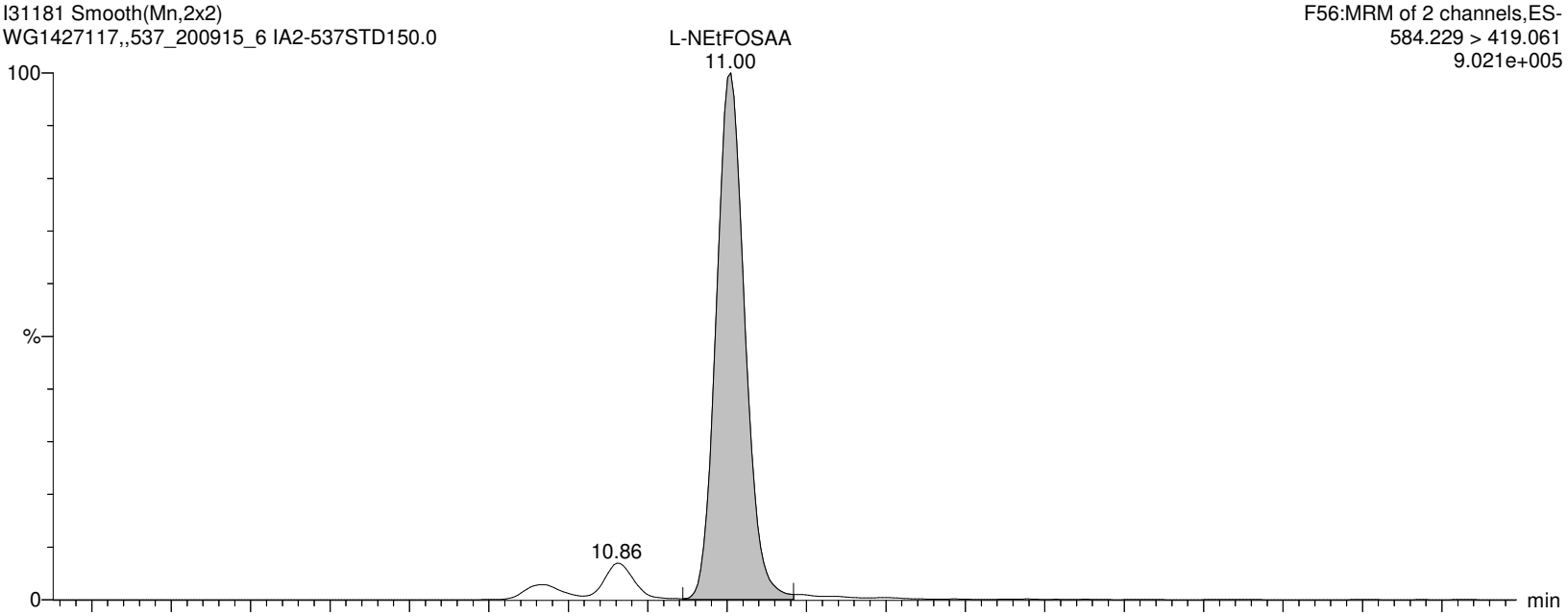

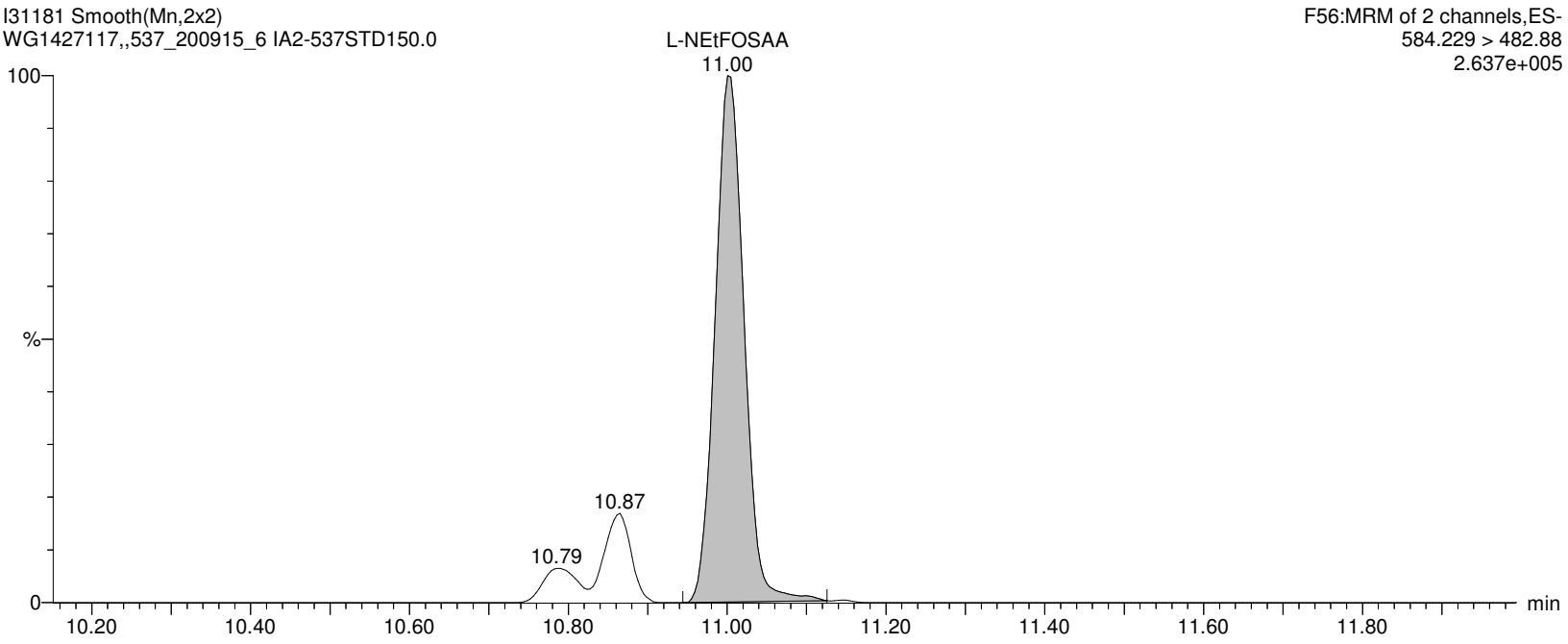

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
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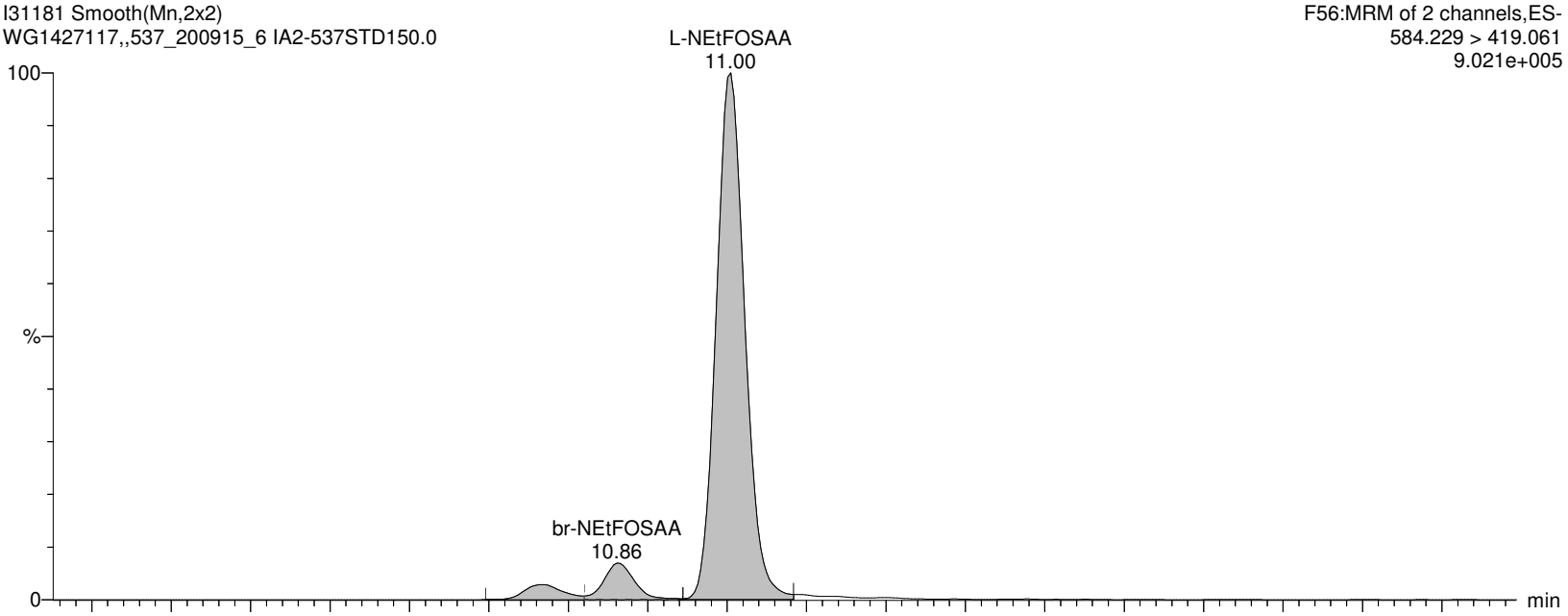

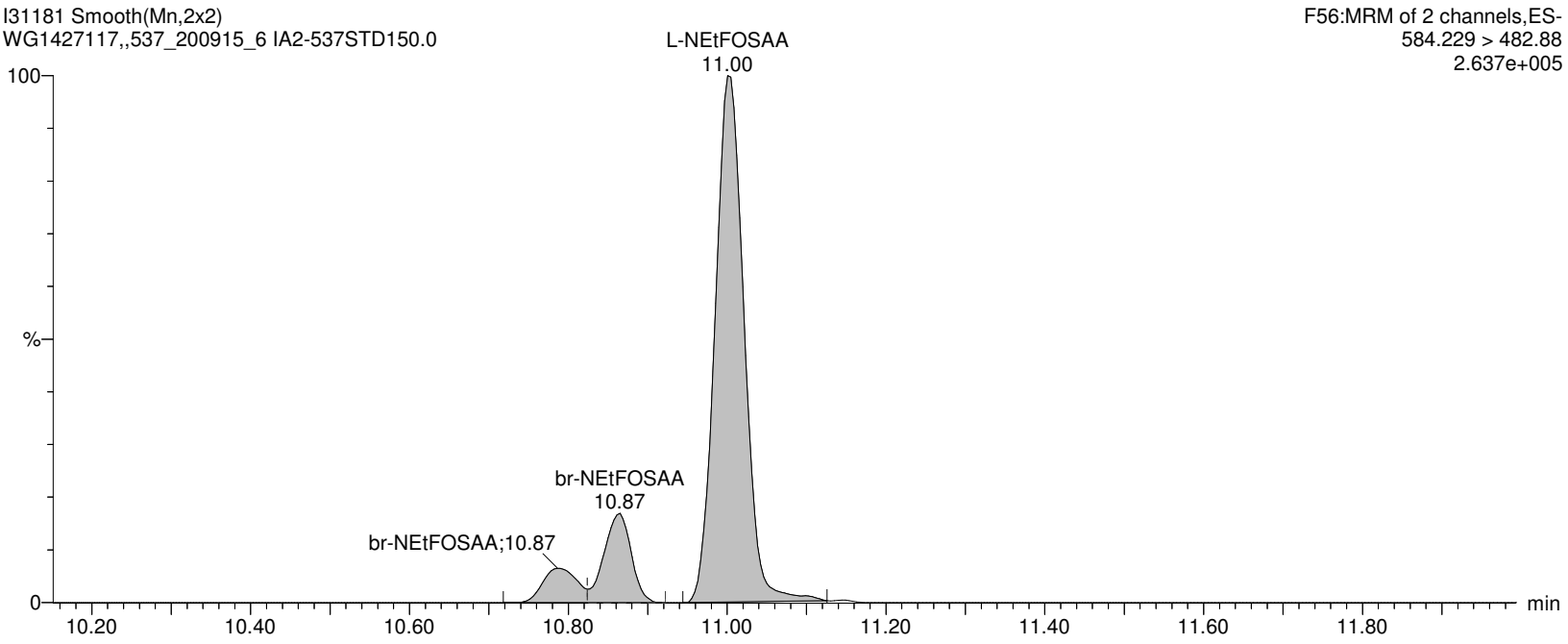

all concentration units in (ng/mL)

Alpha Analytical Inc.
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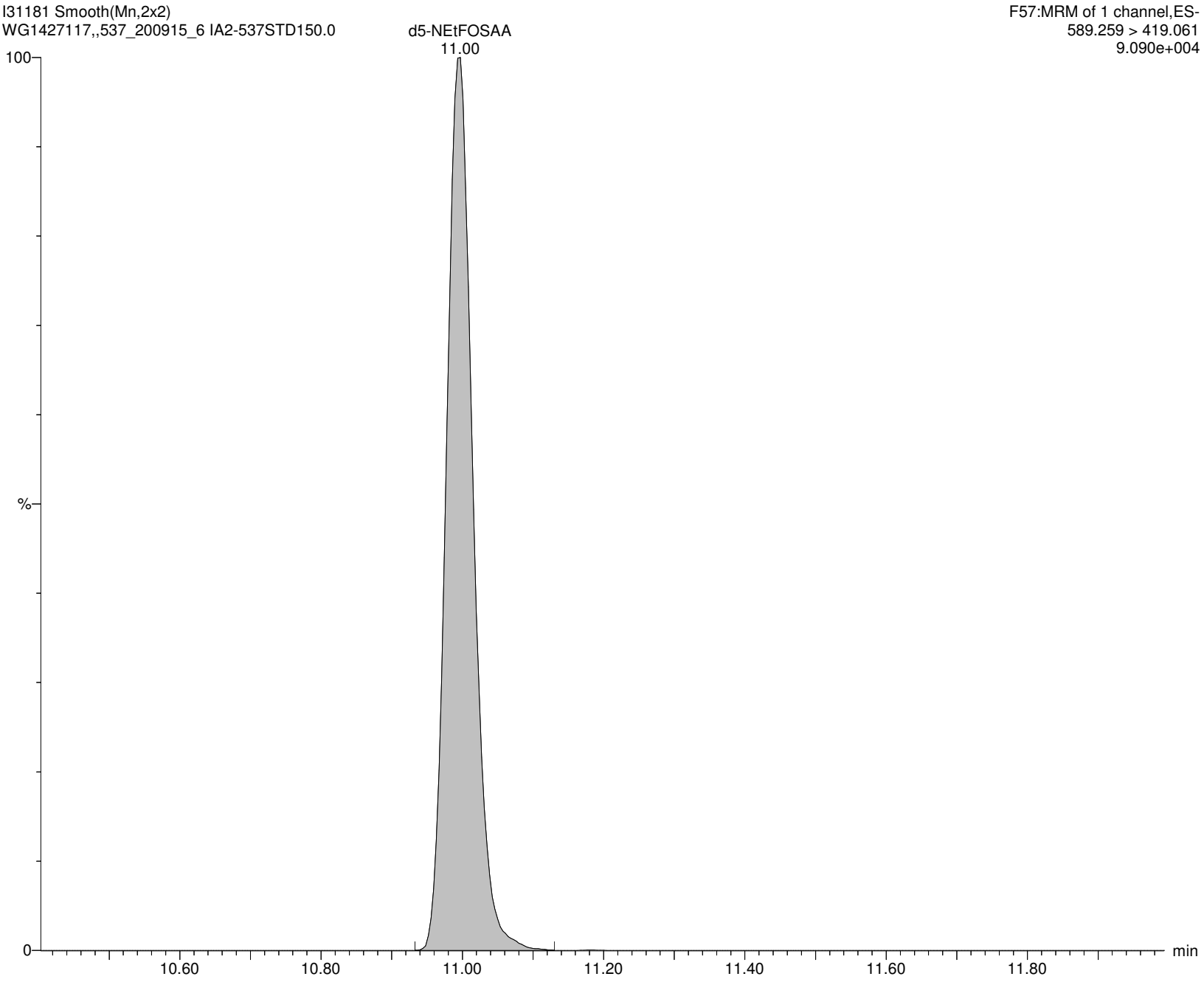

all concentration units in (ng/mL)

Alpha Analytical Inc.
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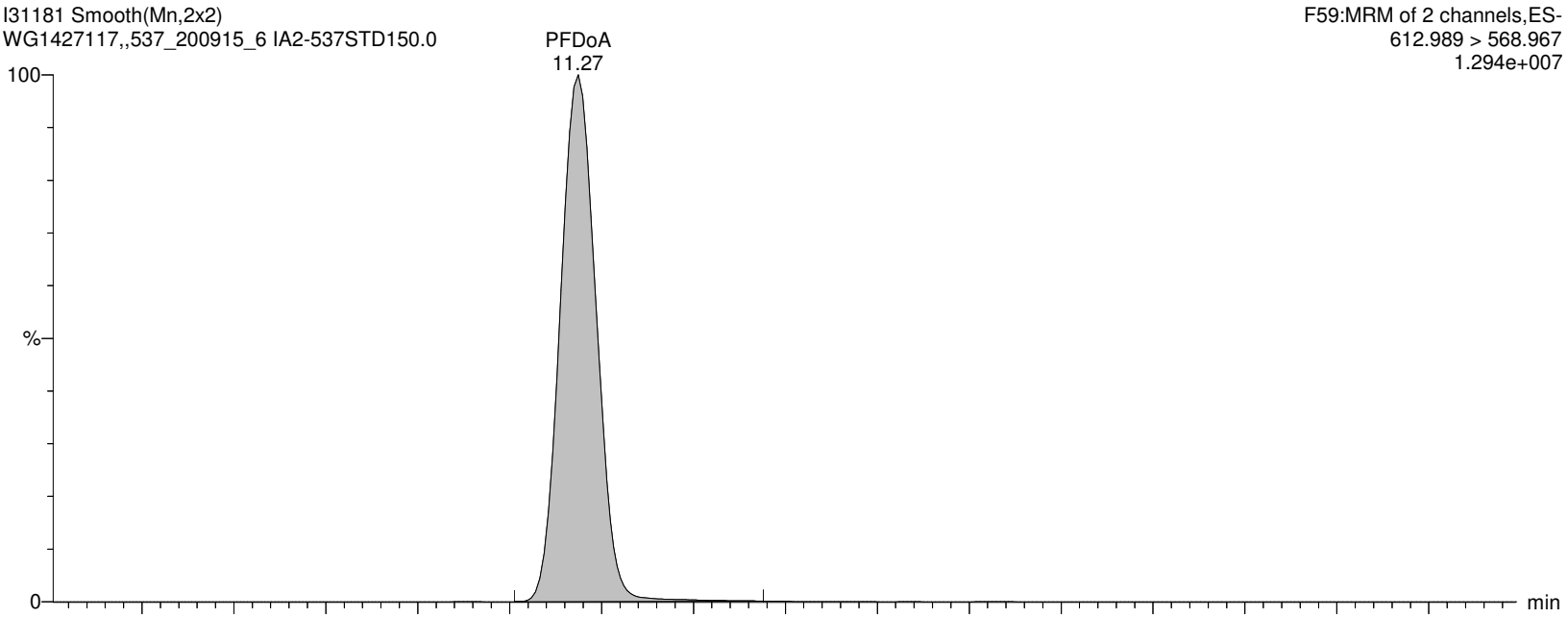

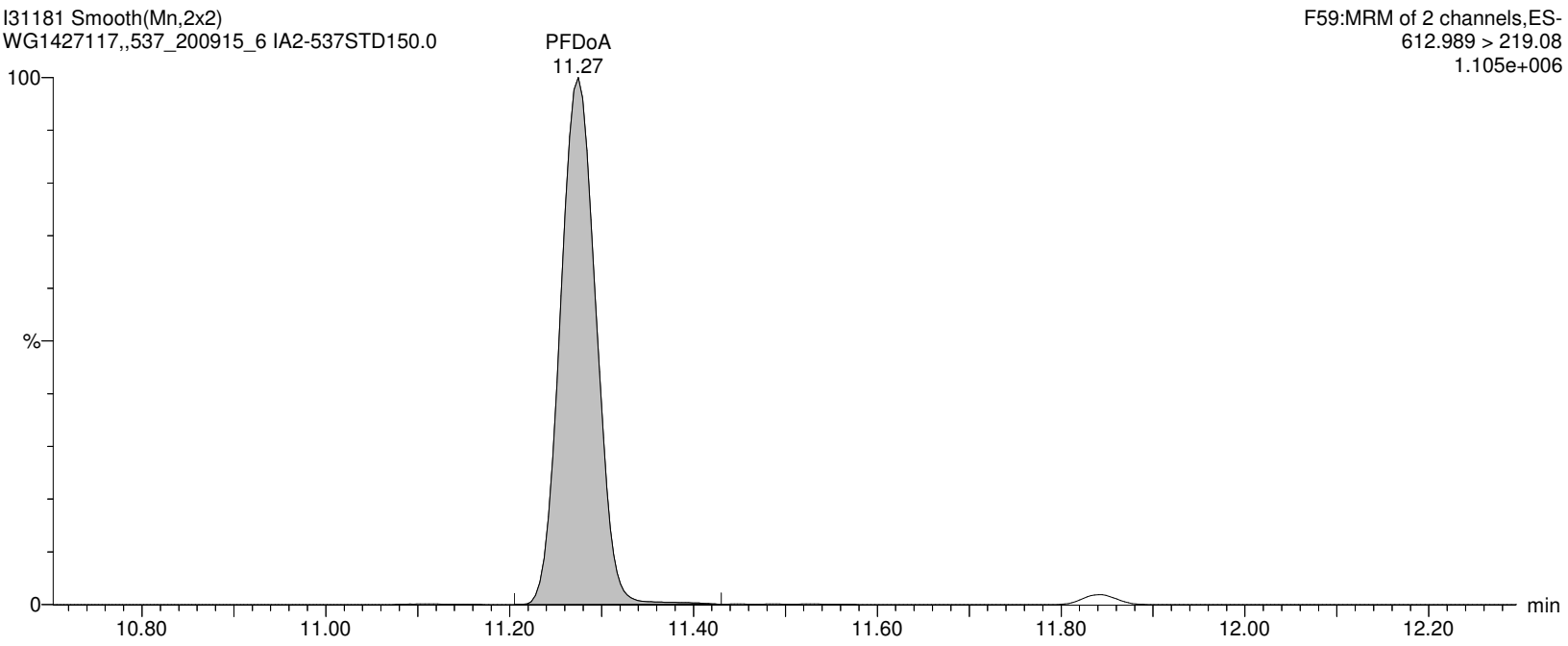

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
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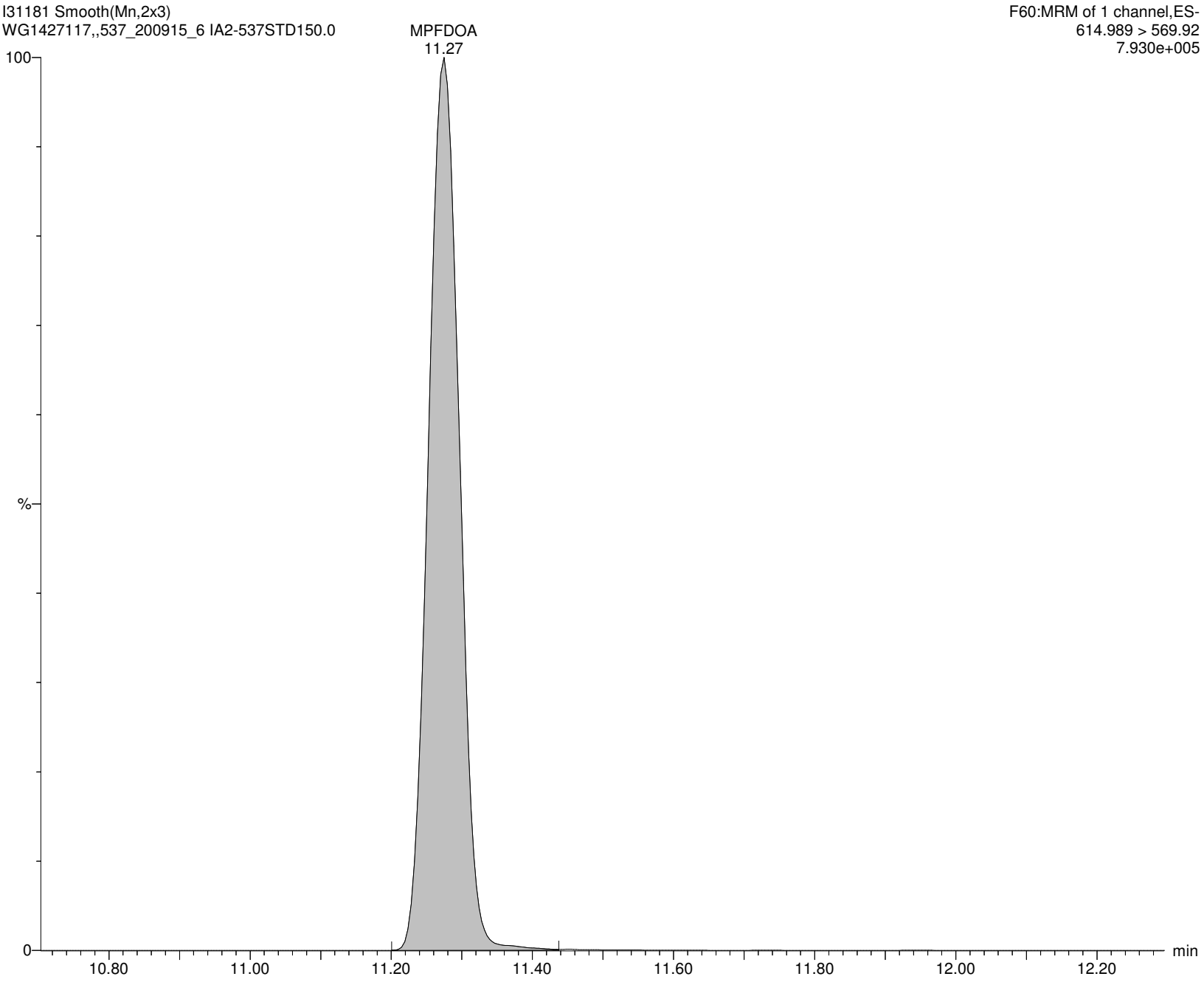

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
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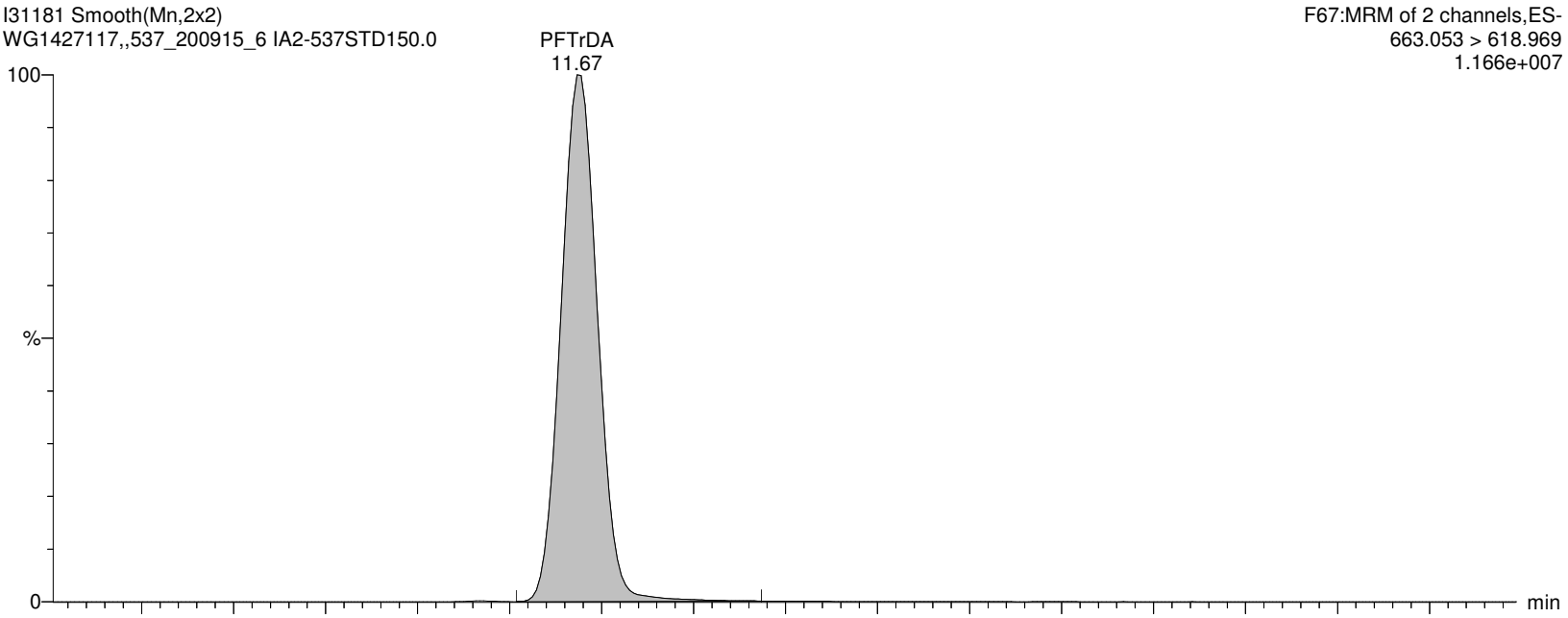

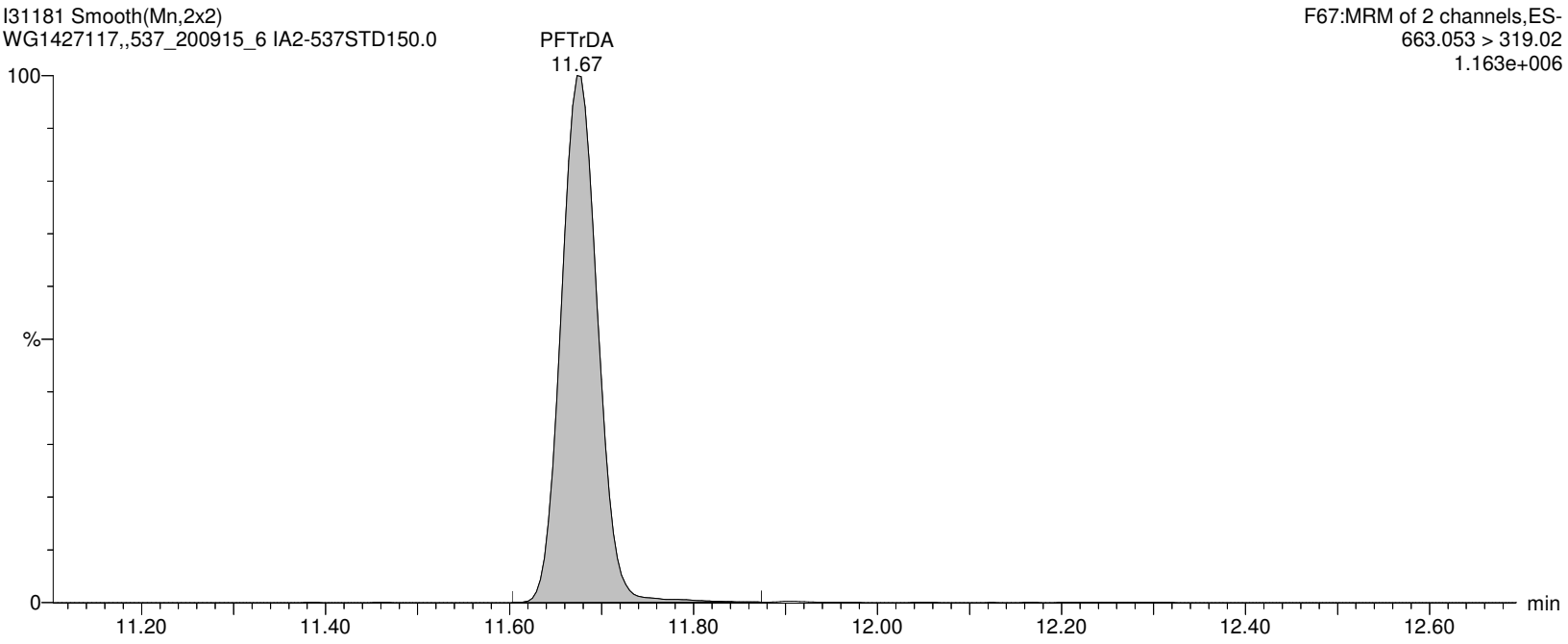

all concentration units in (ng/mL)

Alpha Analytical Inc.
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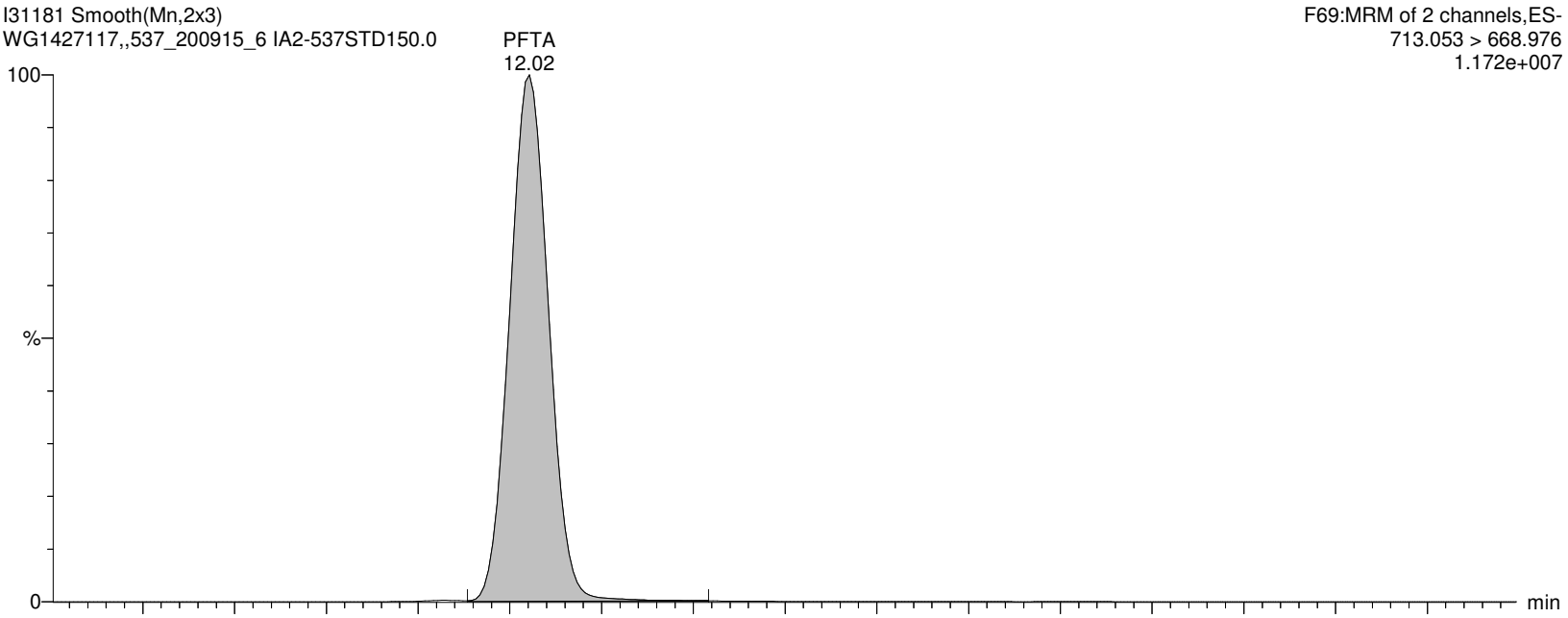

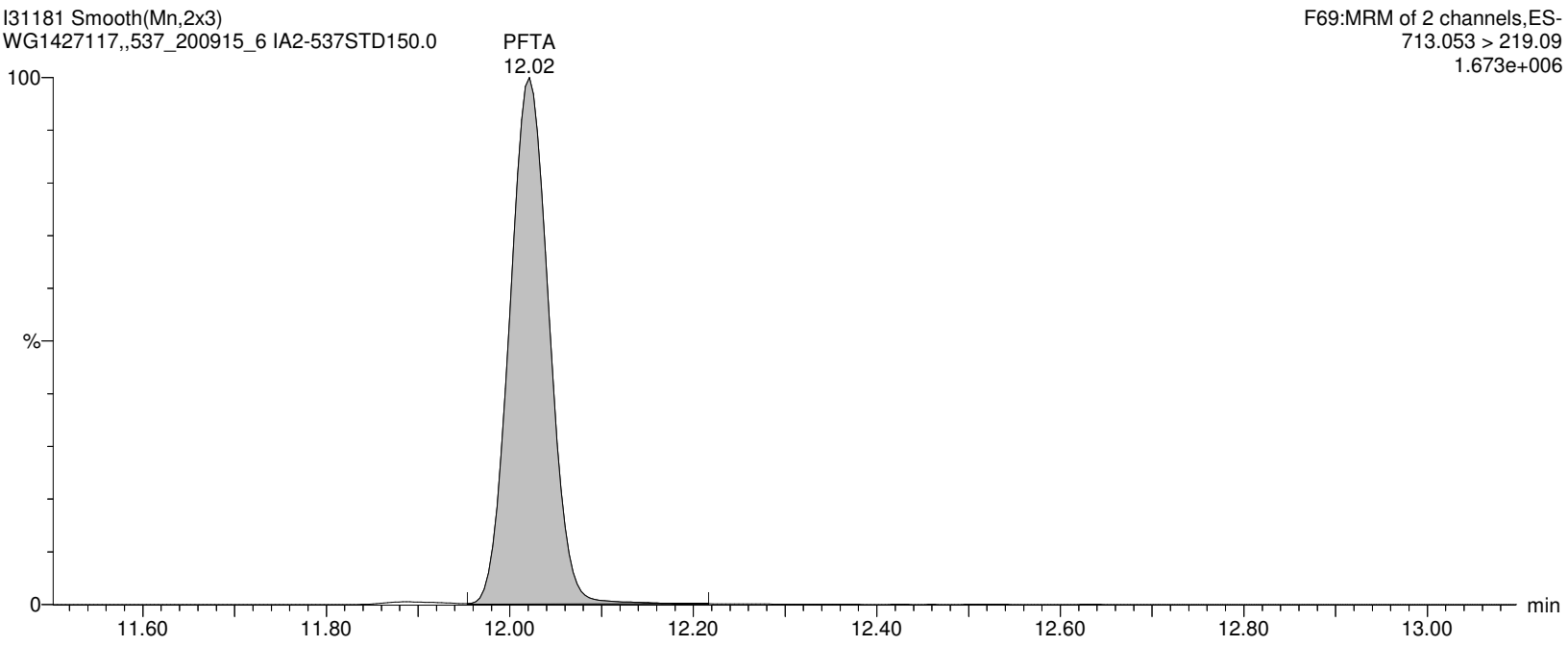

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:15:56 Eastern Daylight Time

Name: I31181
ID: IA2-537STD150.0
Date: 27-Oct-2020
Time: 19:03:25
Description: WG1427117,,537_200915_6
User: LCMS02:JW
Vial: 1:A,7
Instrument: XEVO-TQSmicro#QEB0050
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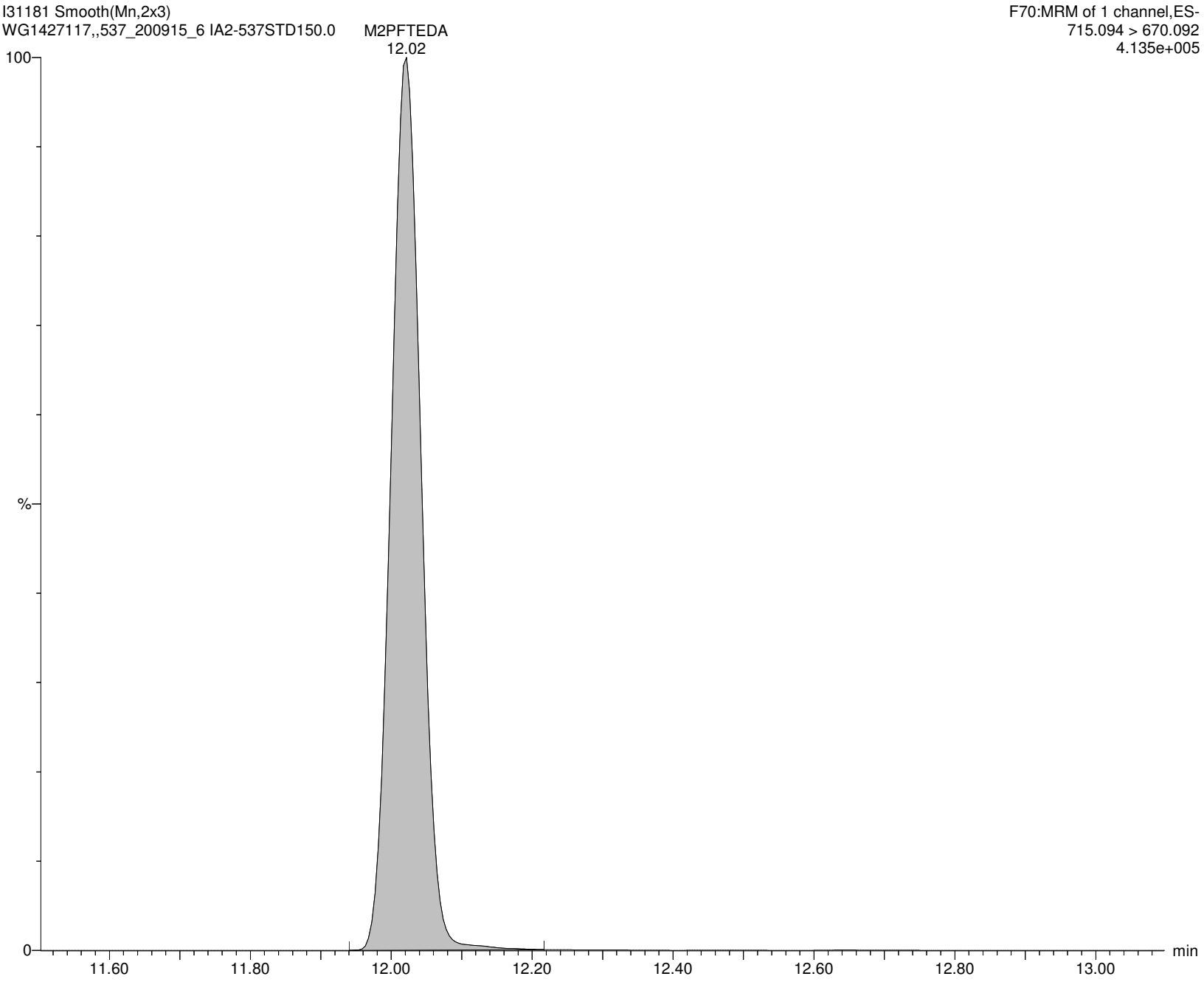

all concentration units in (ng/mL)

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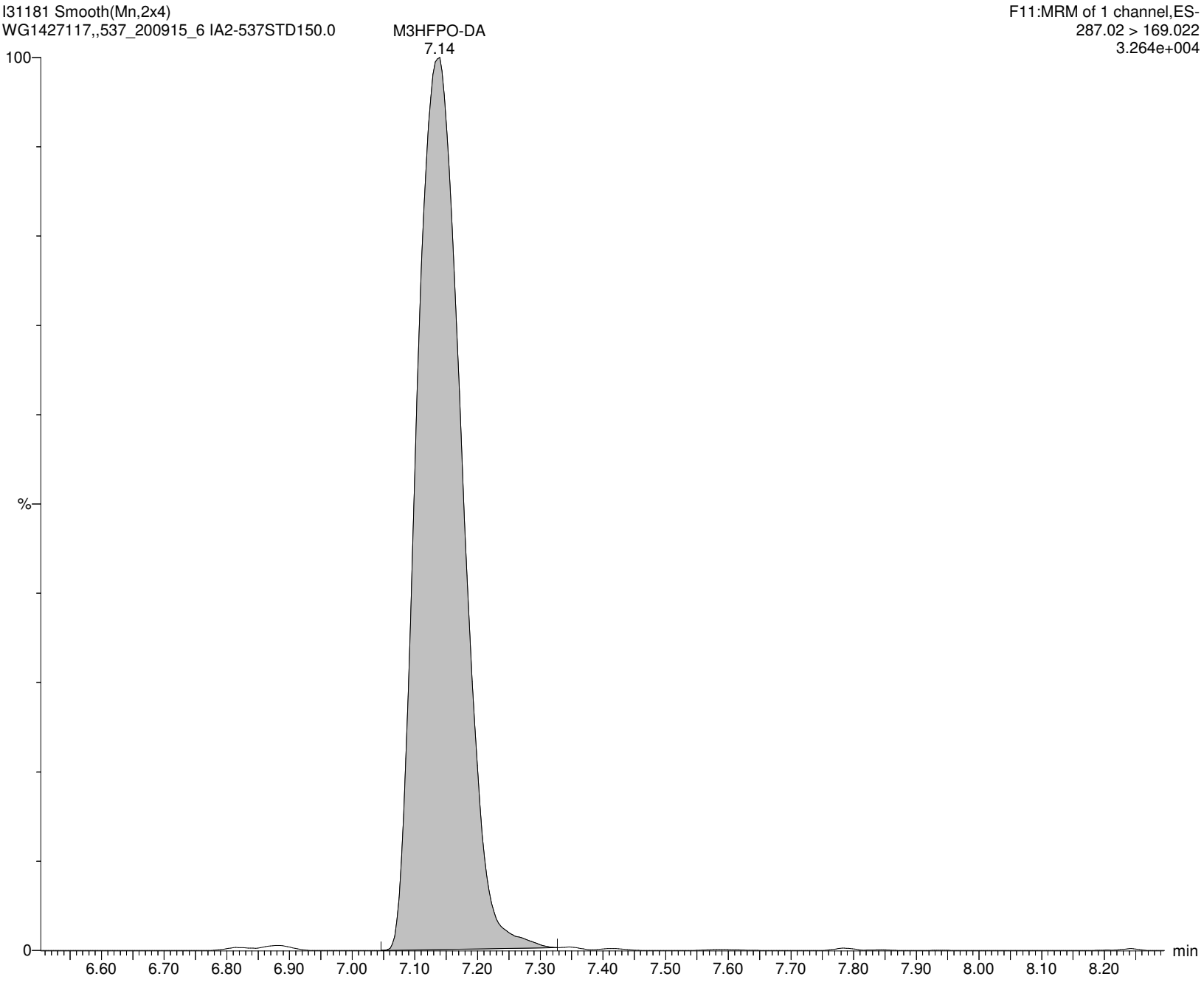

all concentration units in (ng/mL)

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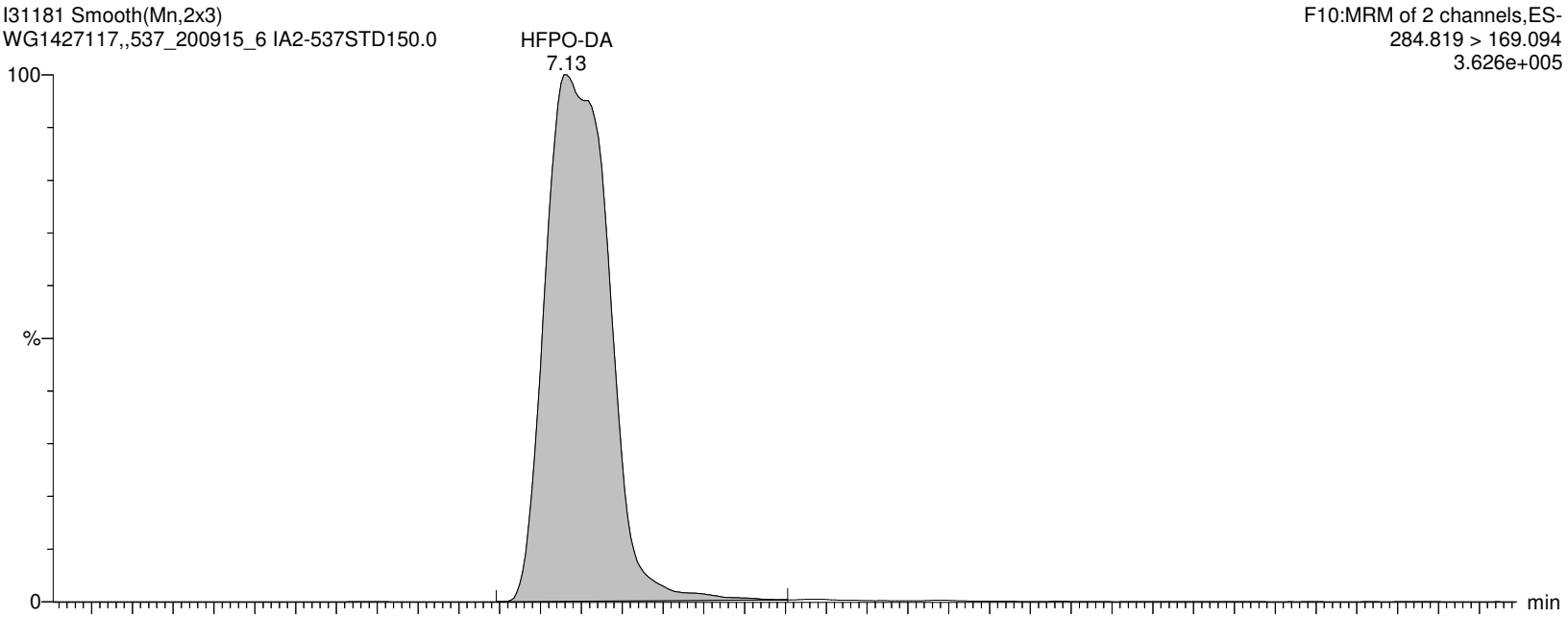

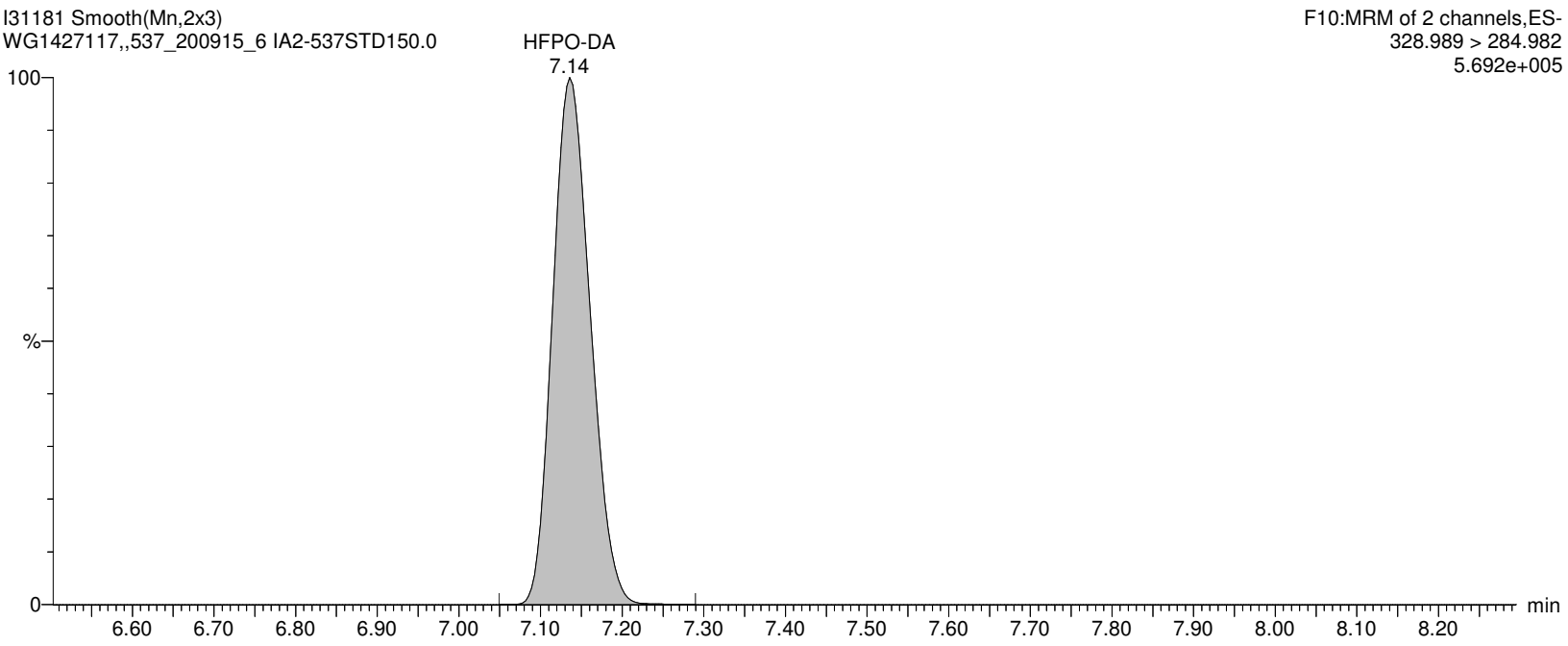

all concentration units in (ng/mL)

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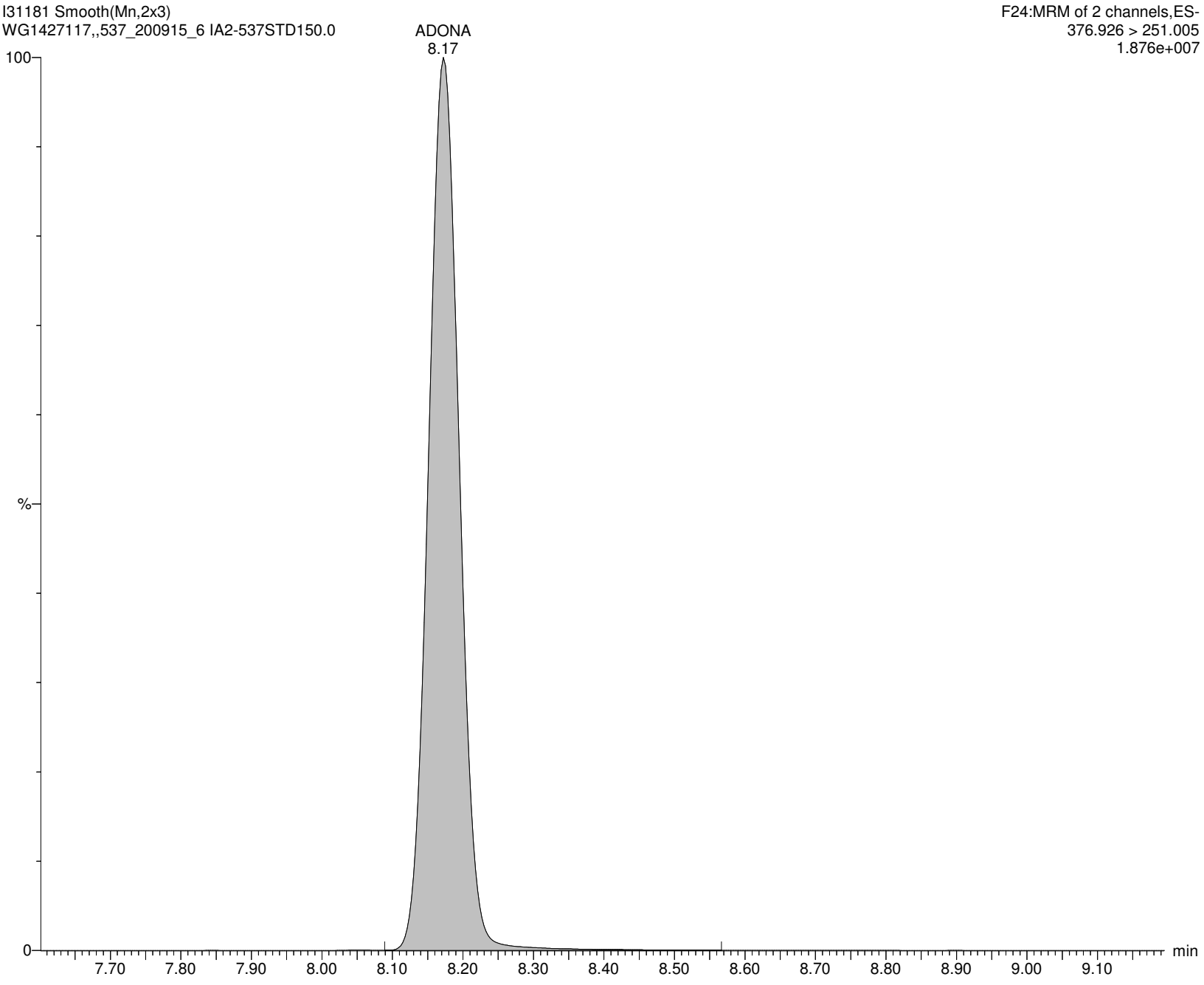

all concentration units in (ng/mL)

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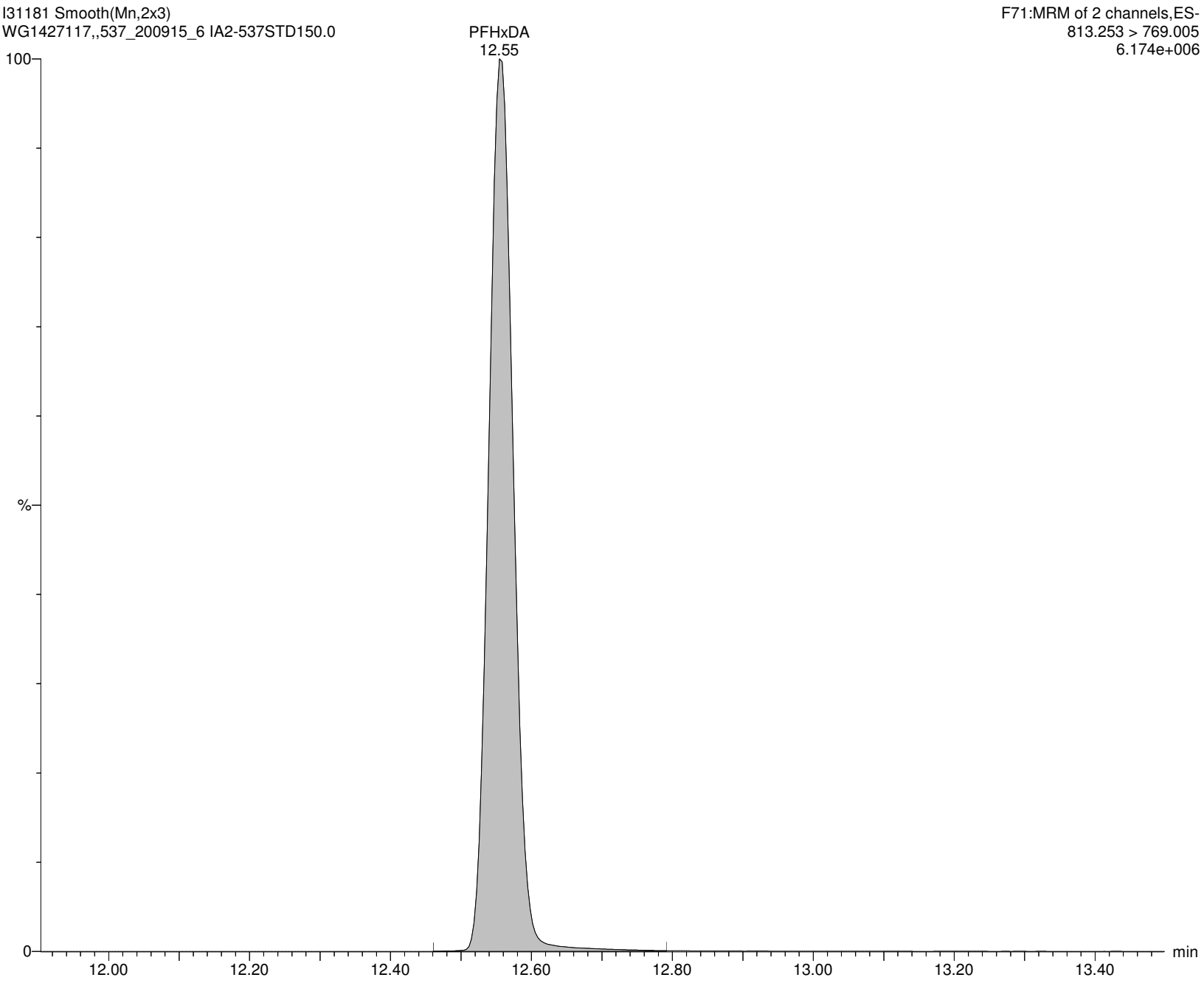

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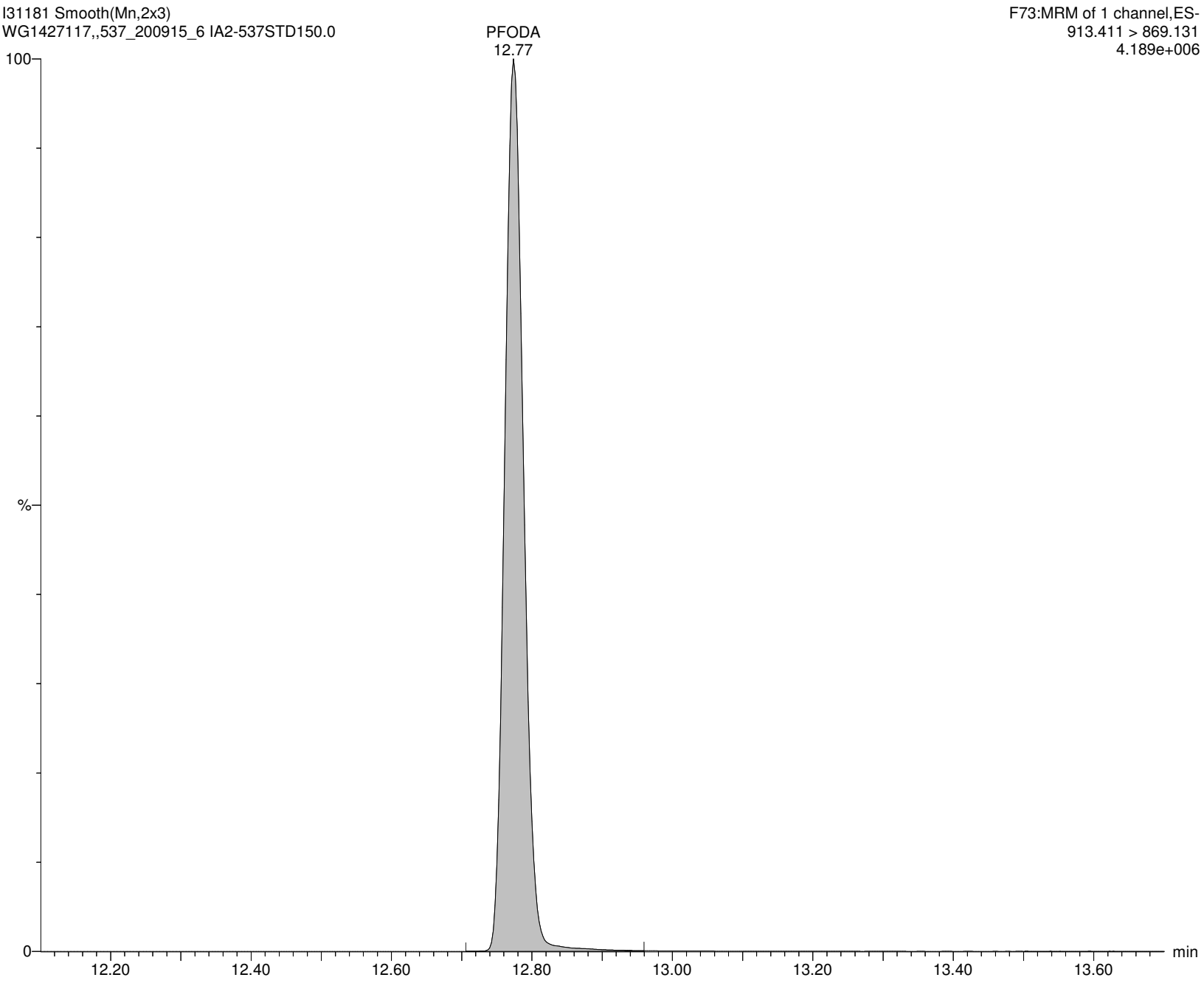

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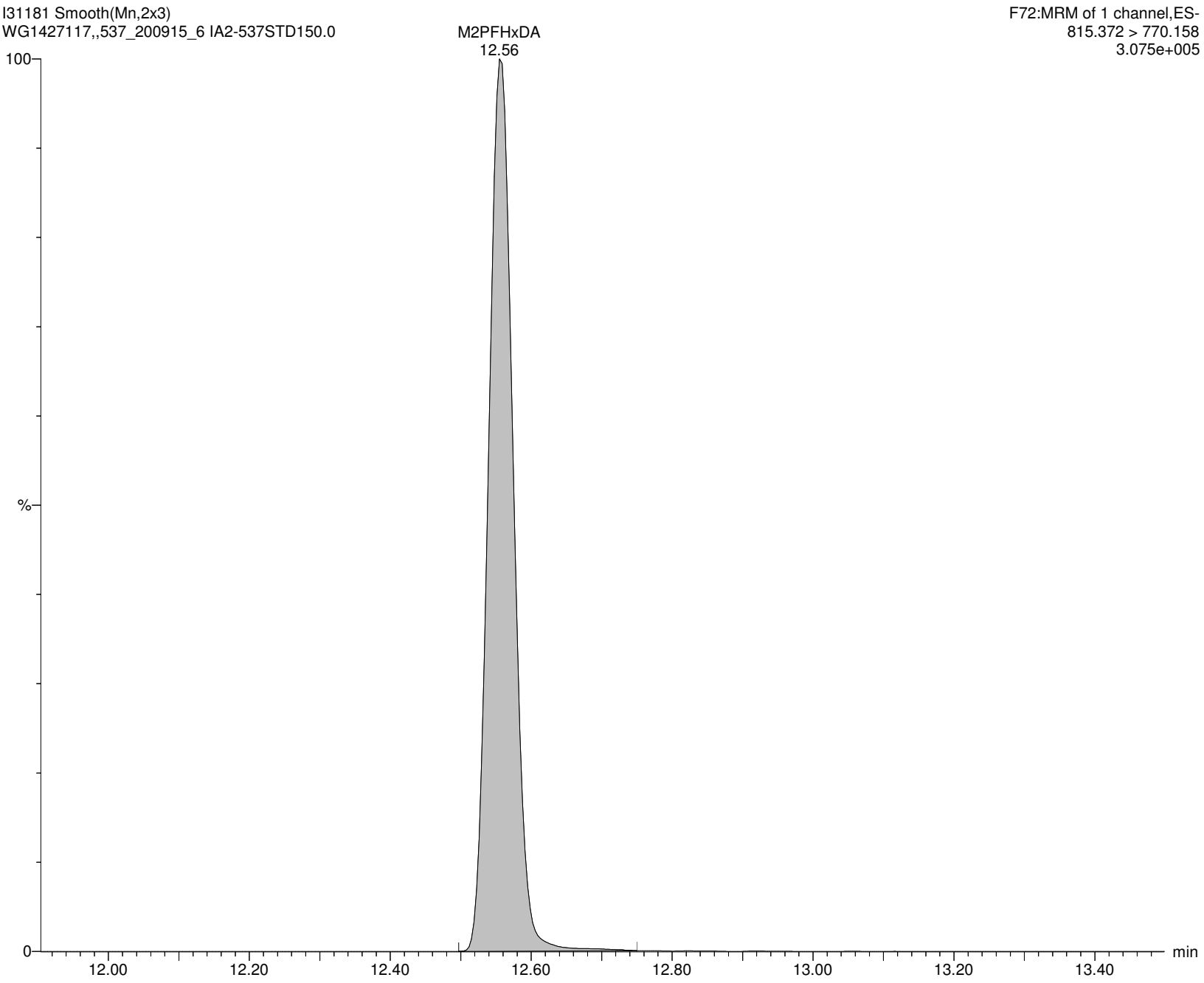

all concentration units in (ng/mL)

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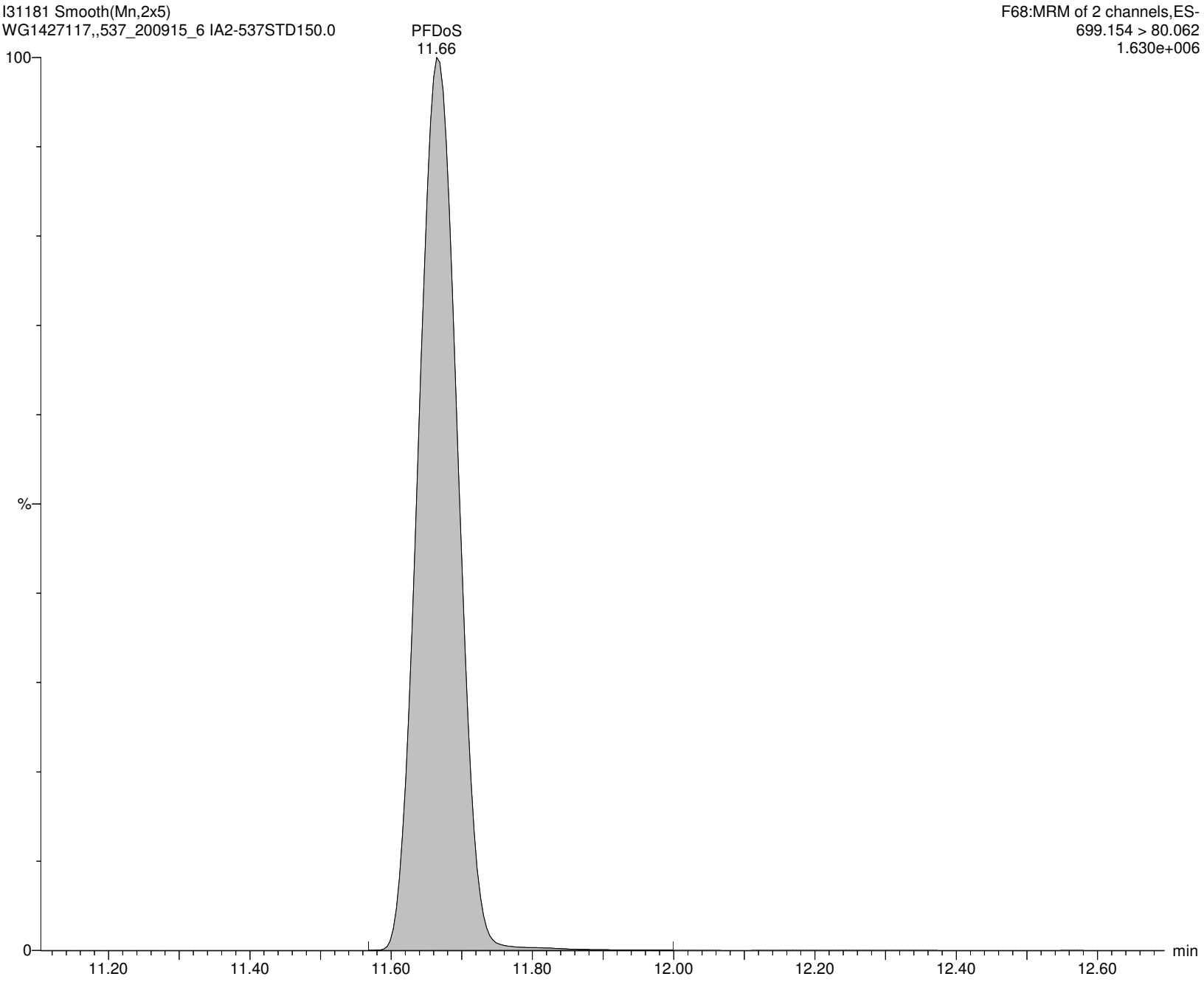

all concentration units in (ng/mL)

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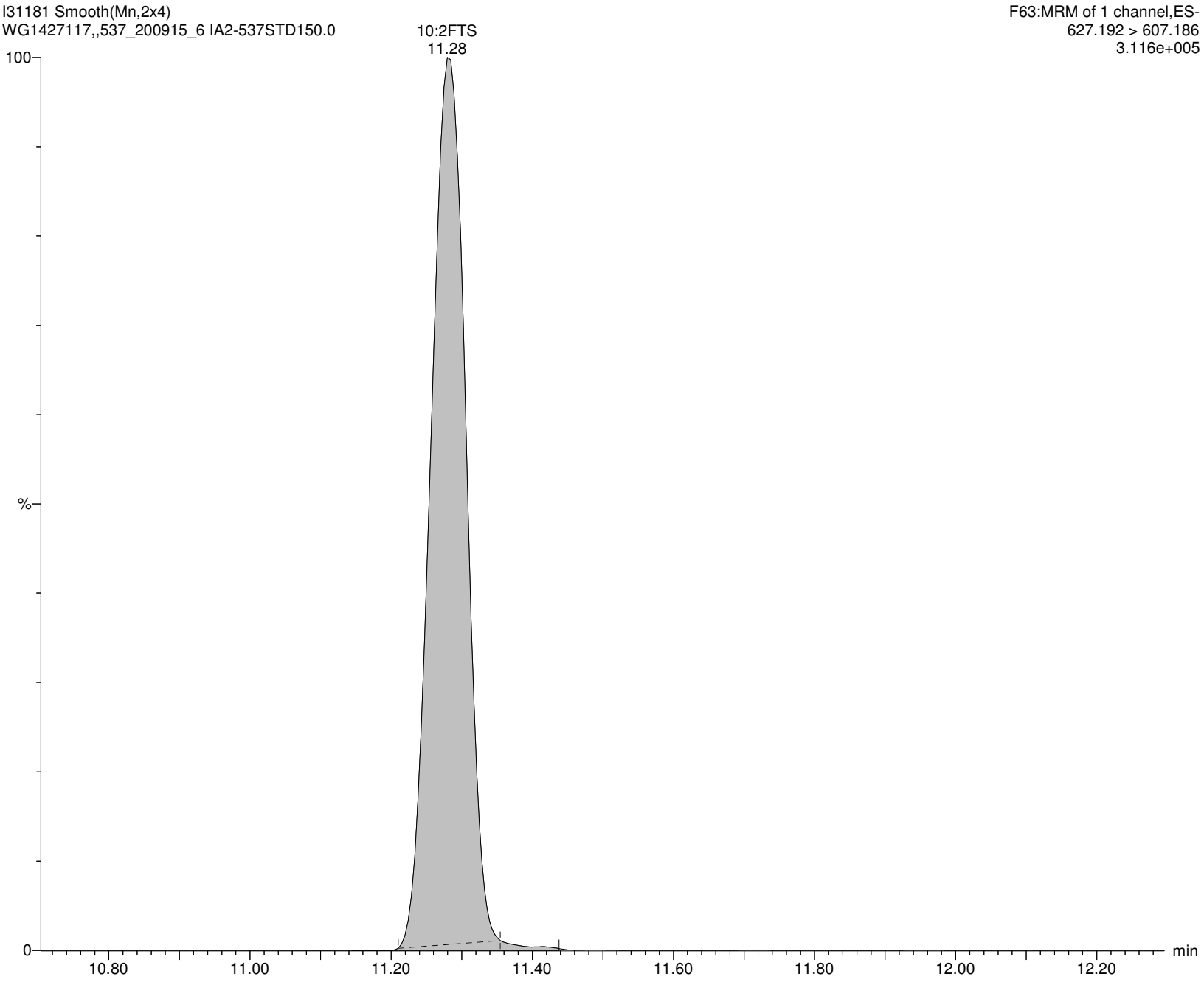

all concentration units in (ng/mL)

Alpha Analytical Inc.
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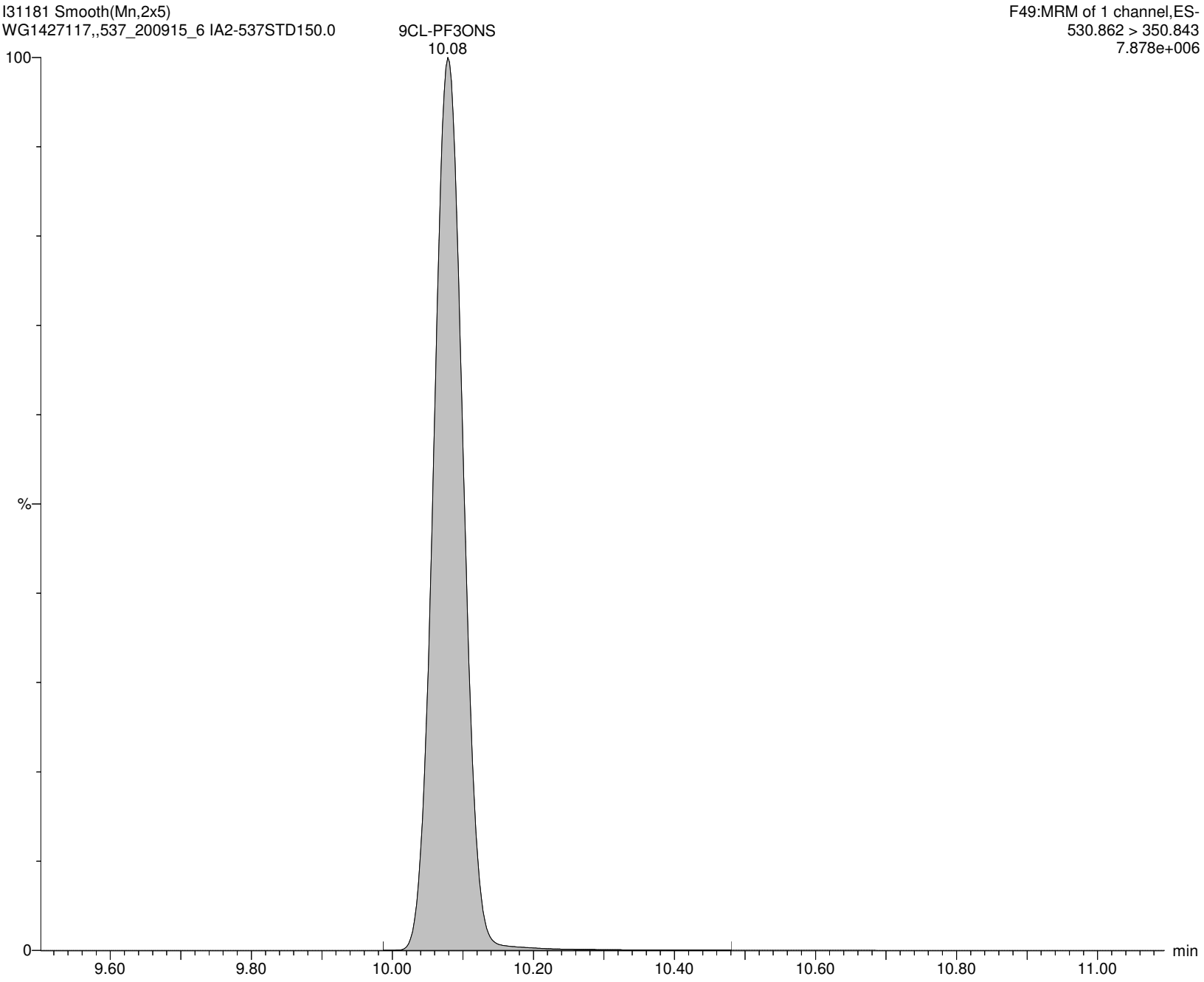

all concentration units in (ng/mL)

Alpha Analytical Inc.
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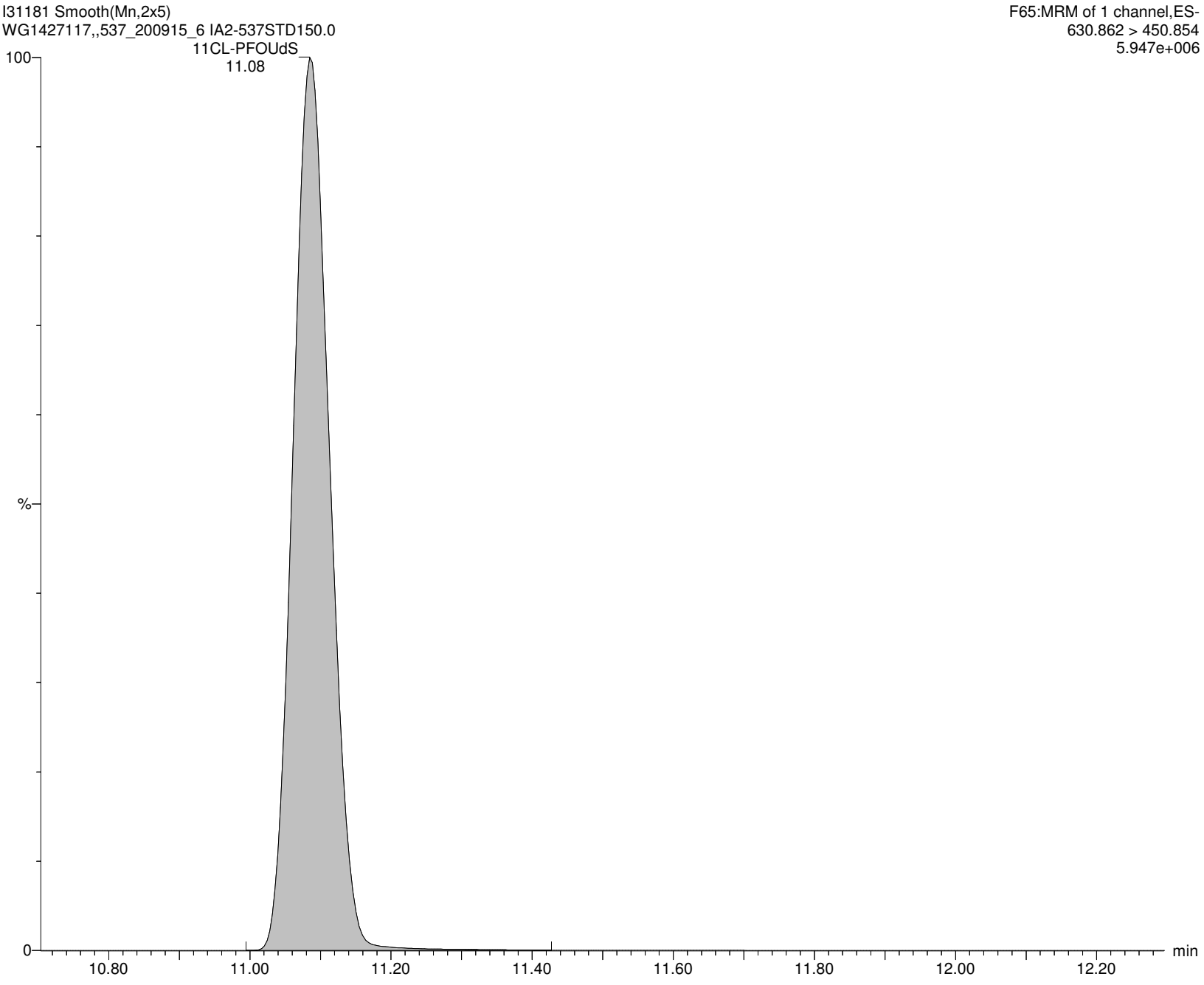

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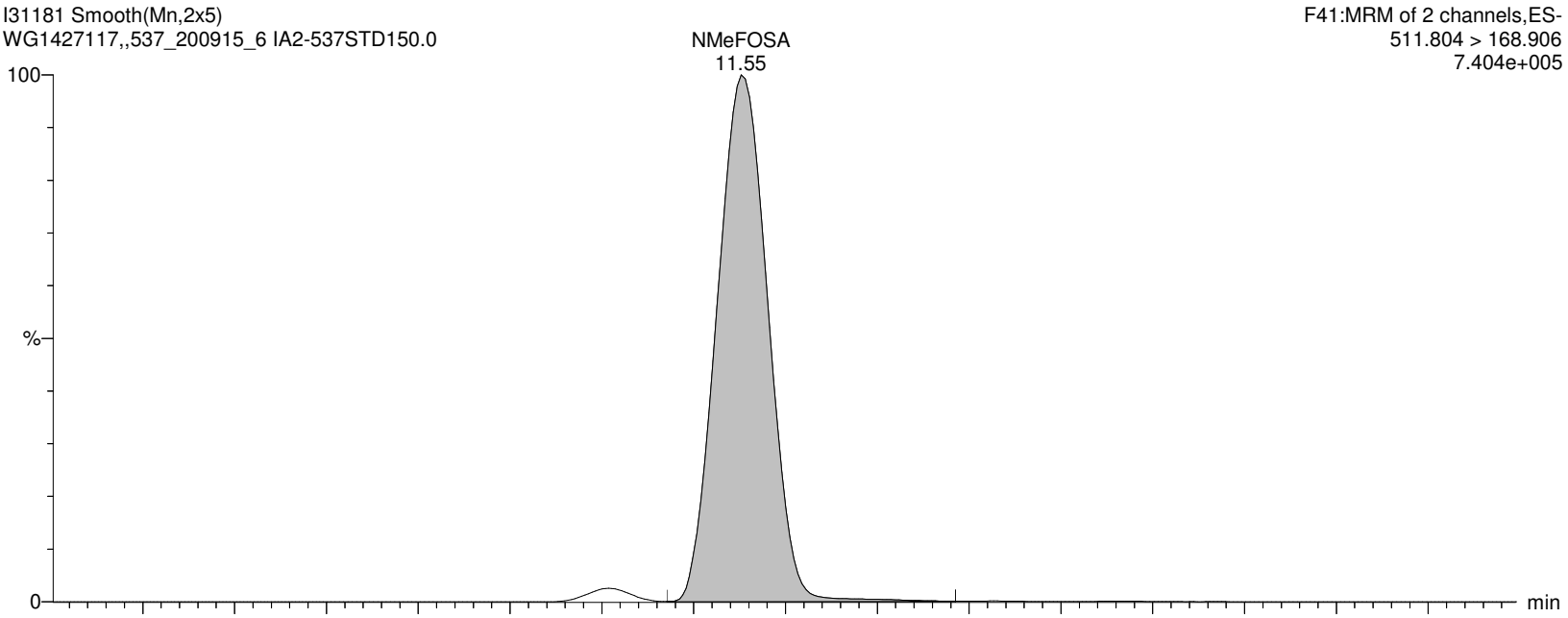

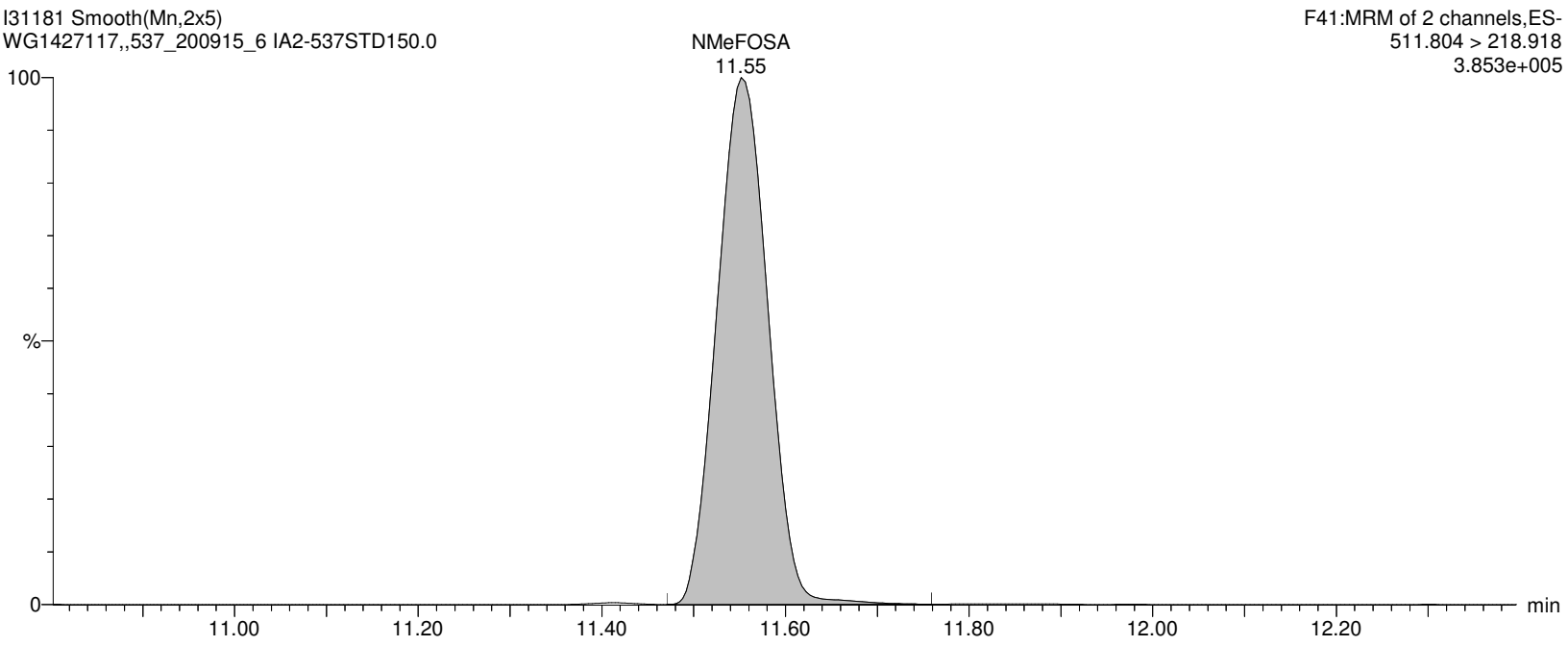

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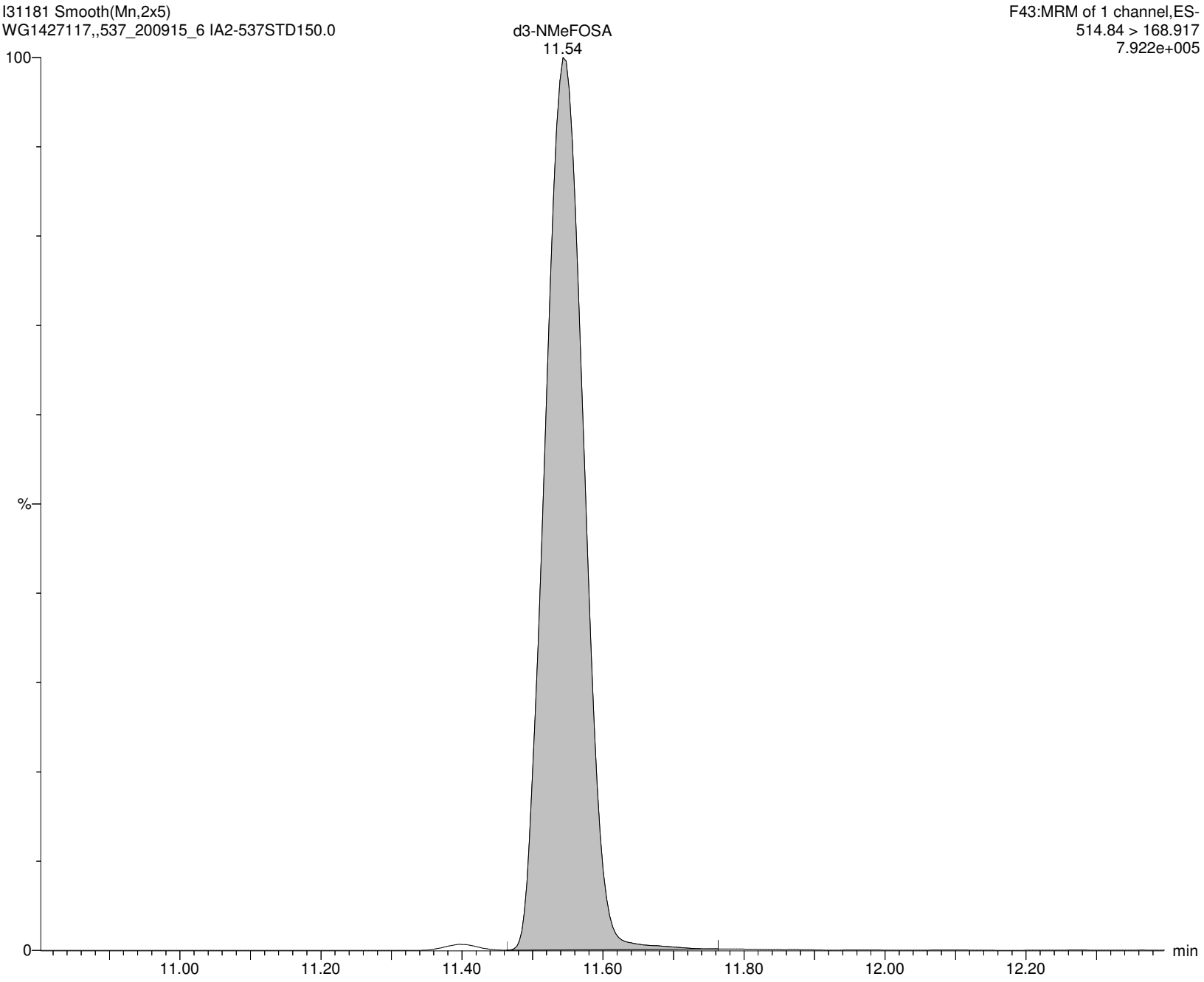

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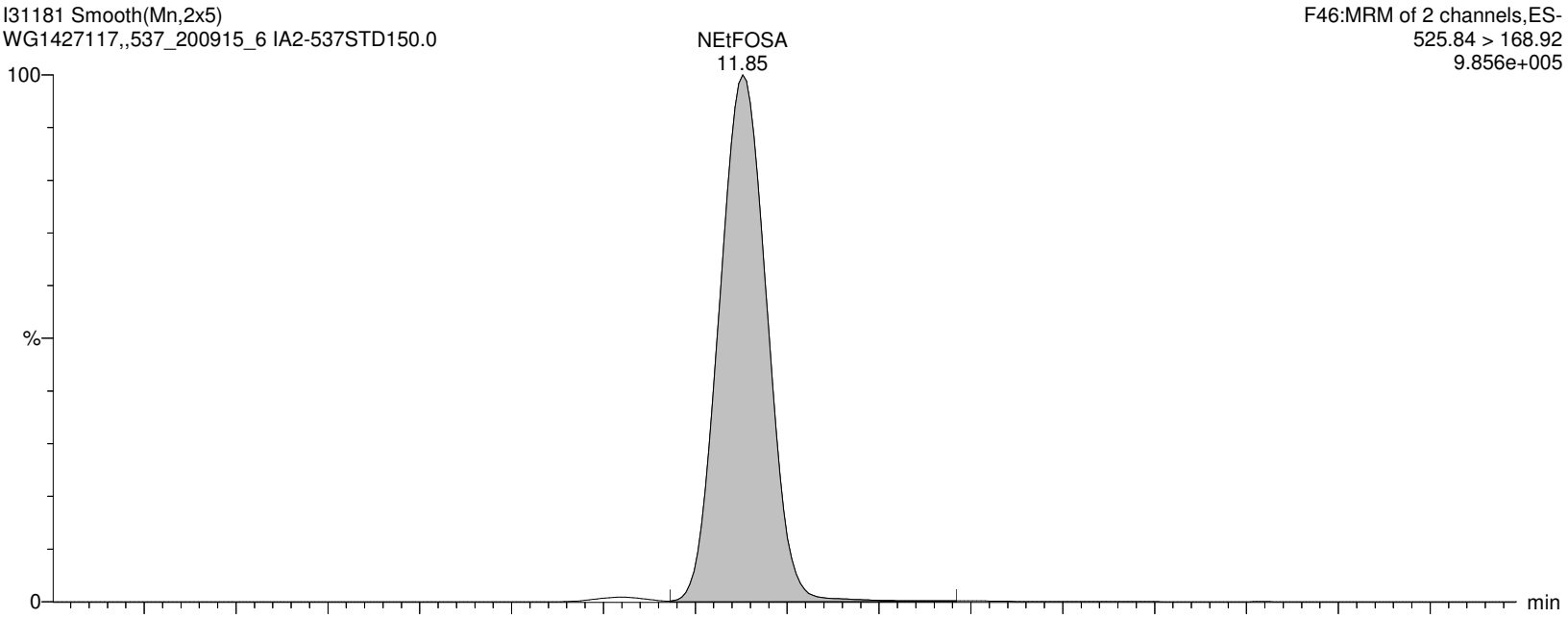

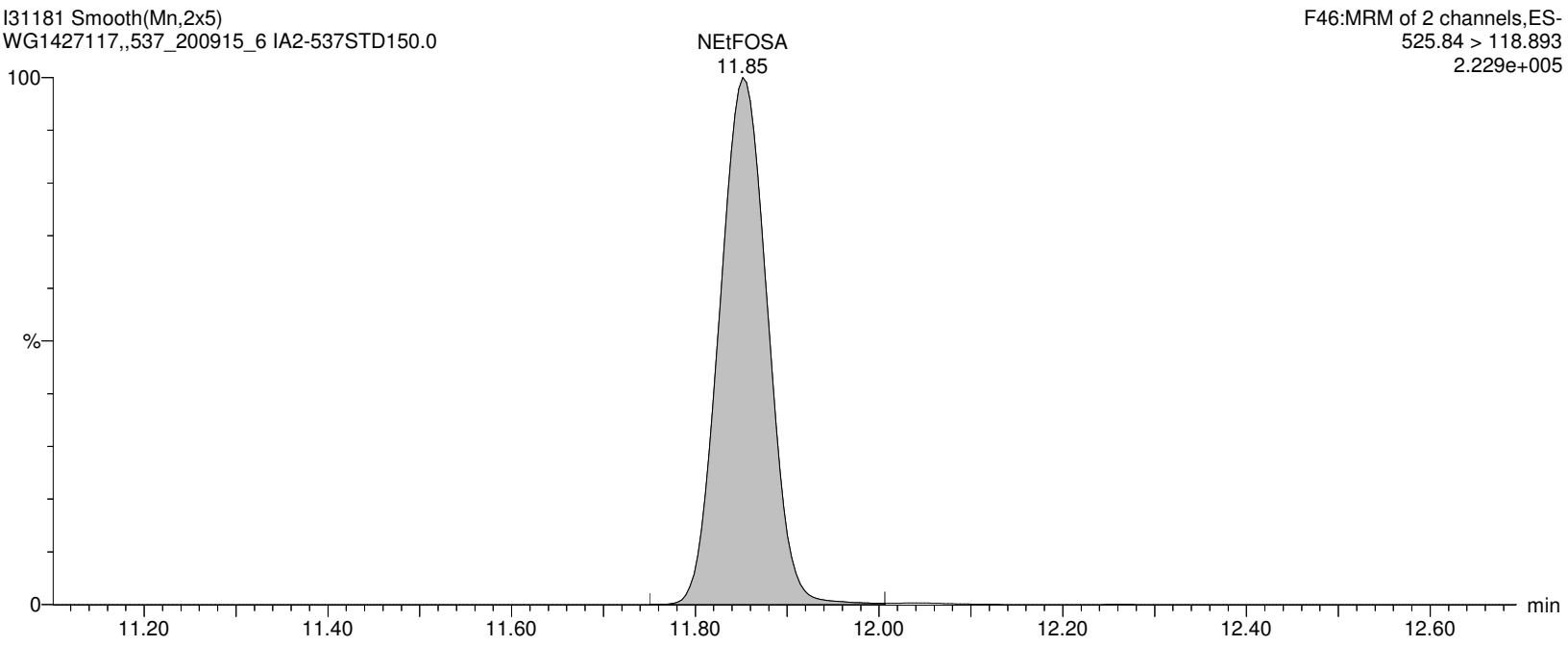

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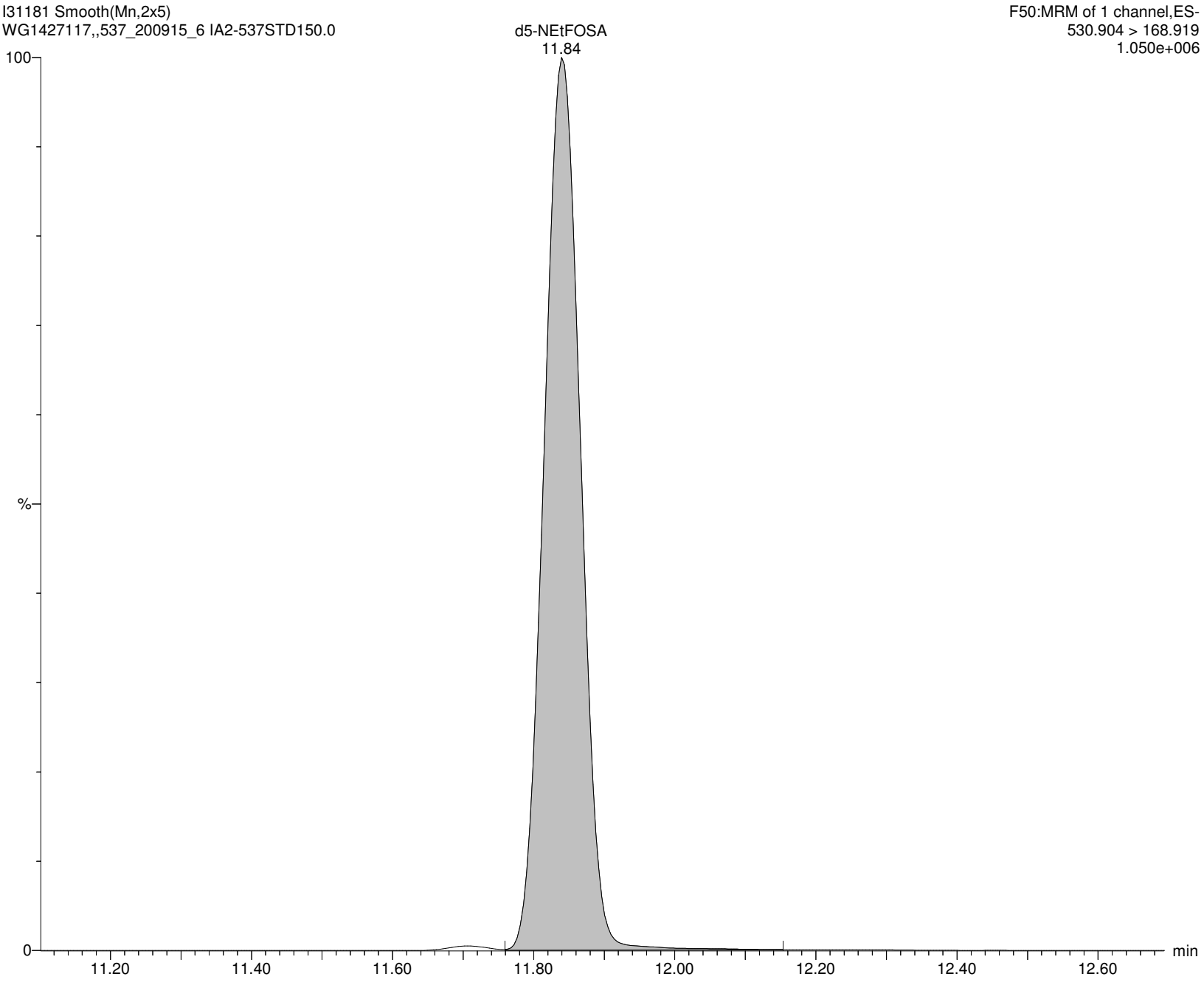

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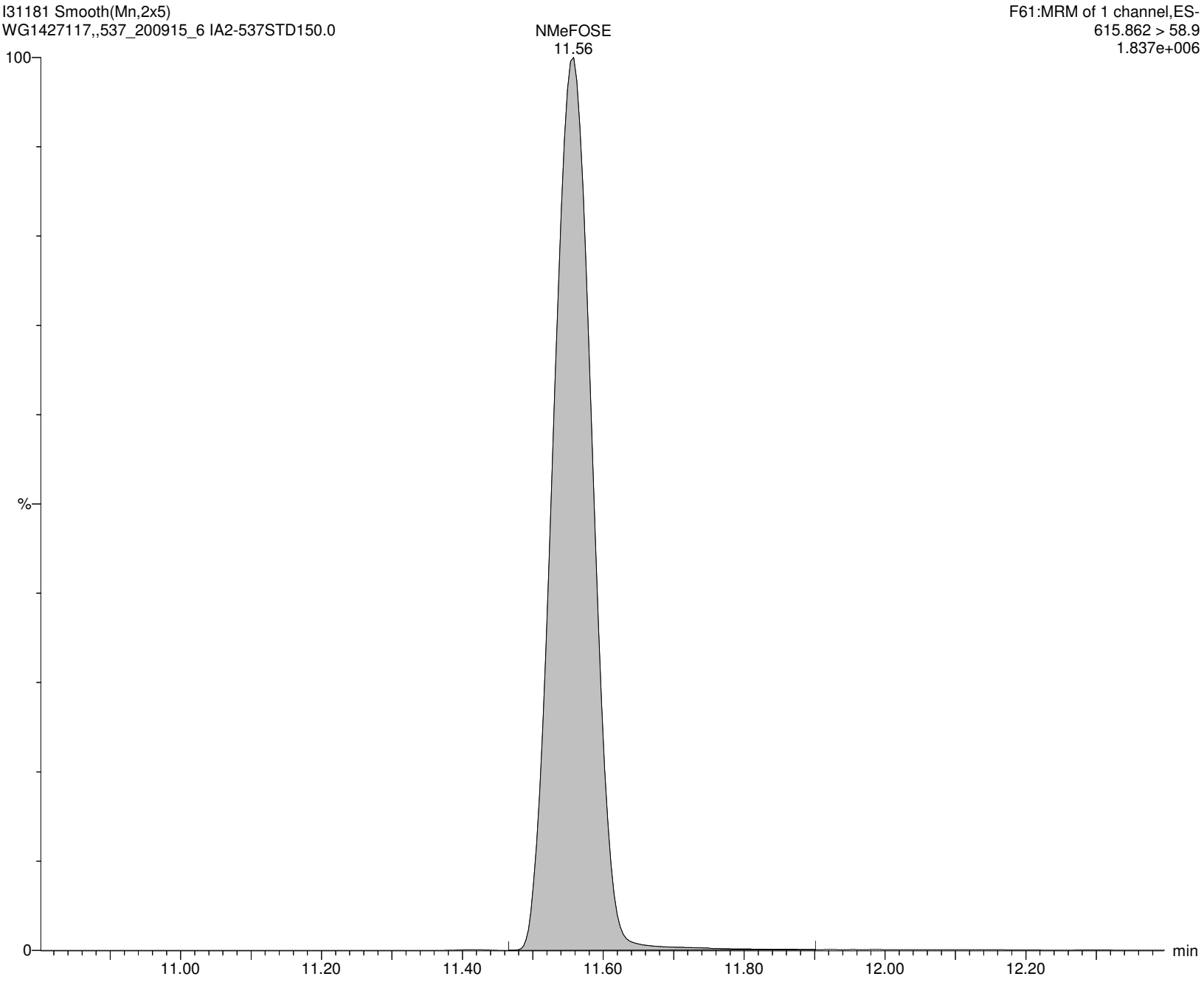

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User: LCMS02:JW
Vial: 1:A,7
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\200520_TUNE.IPR
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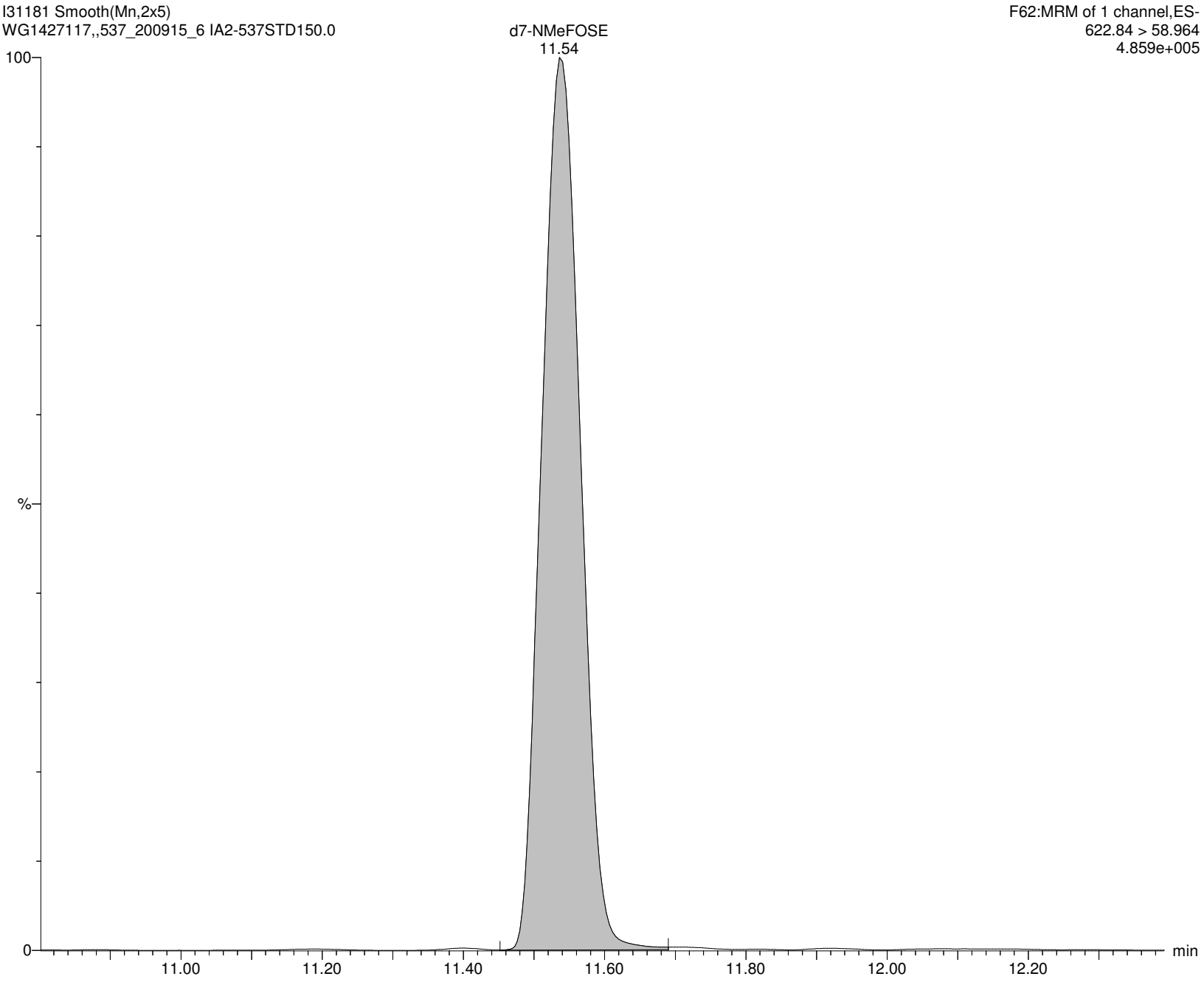
d7-NMeFOSE



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:15:56 Eastern Daylight Time

Name: I31181
ID: IA2-537STD150.0
Date: 27-Oct-2020
Time: 19:03:25
Description: WG1427117,,537_200915_6
User: LCMS02:JW
Vial: 1:A,7
Instrument: XEVO-TQSmicro#QEB0050
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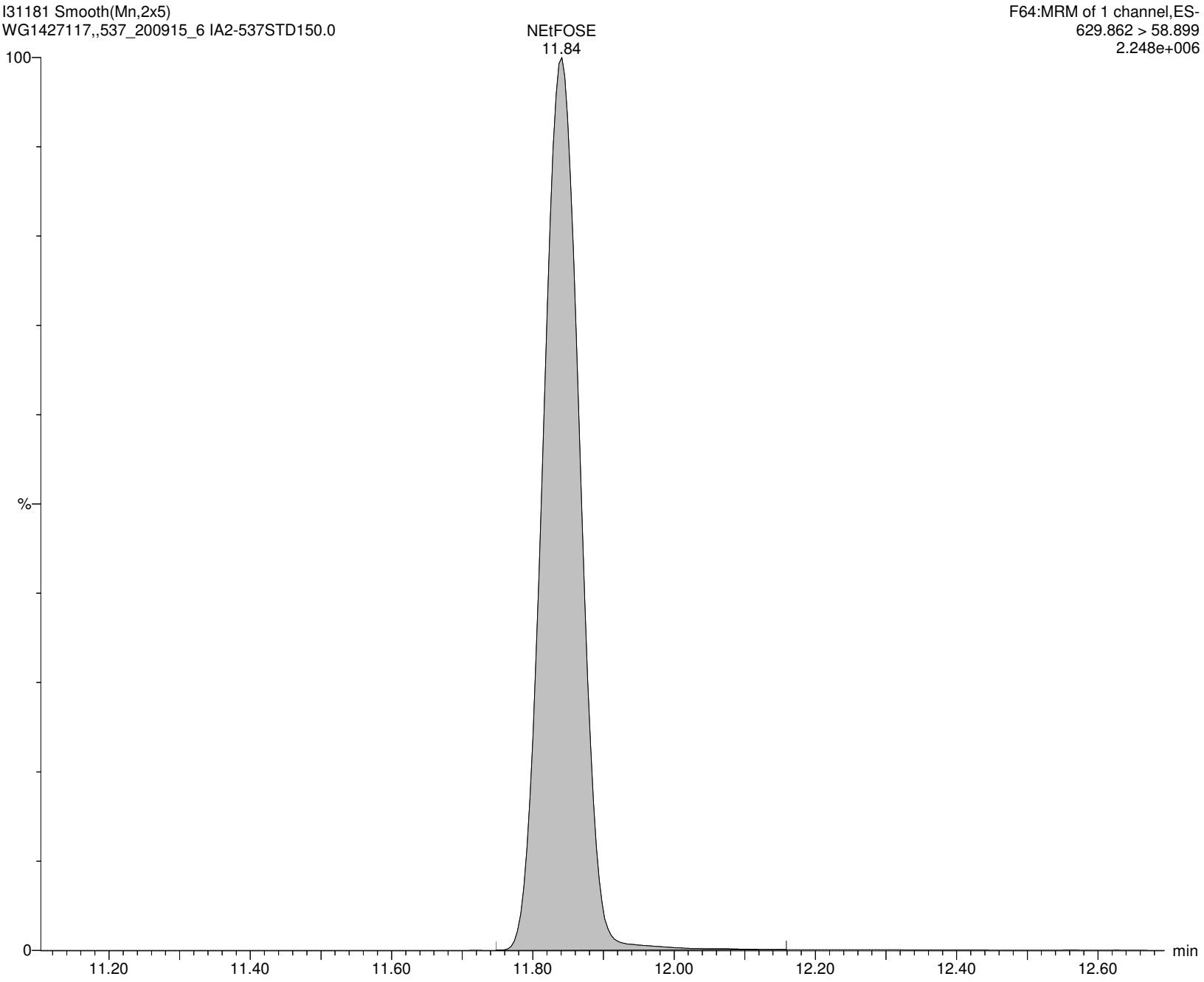
NEtFOSE



all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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Instrument: XEVO-TQSmicro#QEB0050
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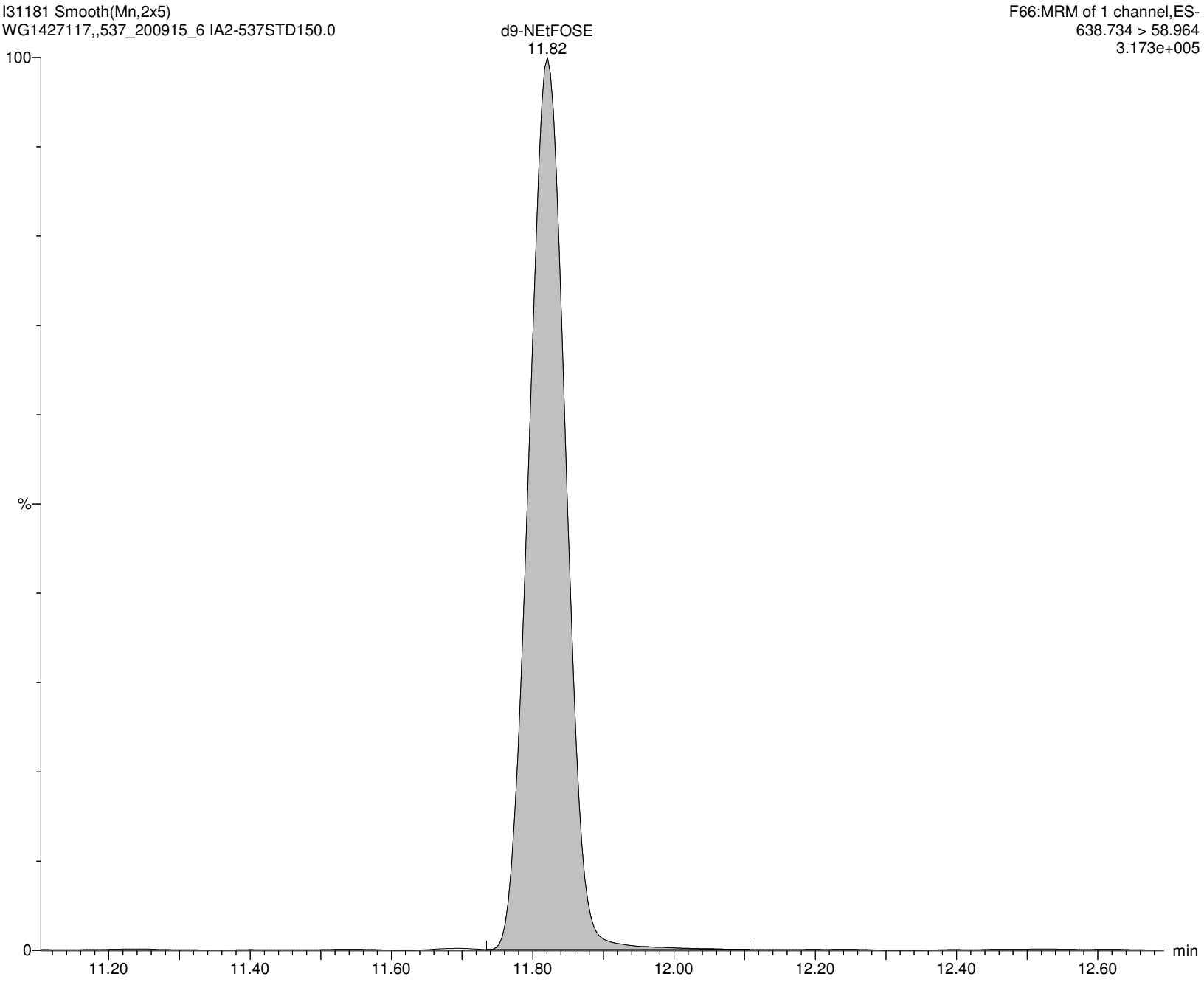

all concentration units in (ng/mL)

Alpha Analytical Inc.
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User: LCMS02:JW
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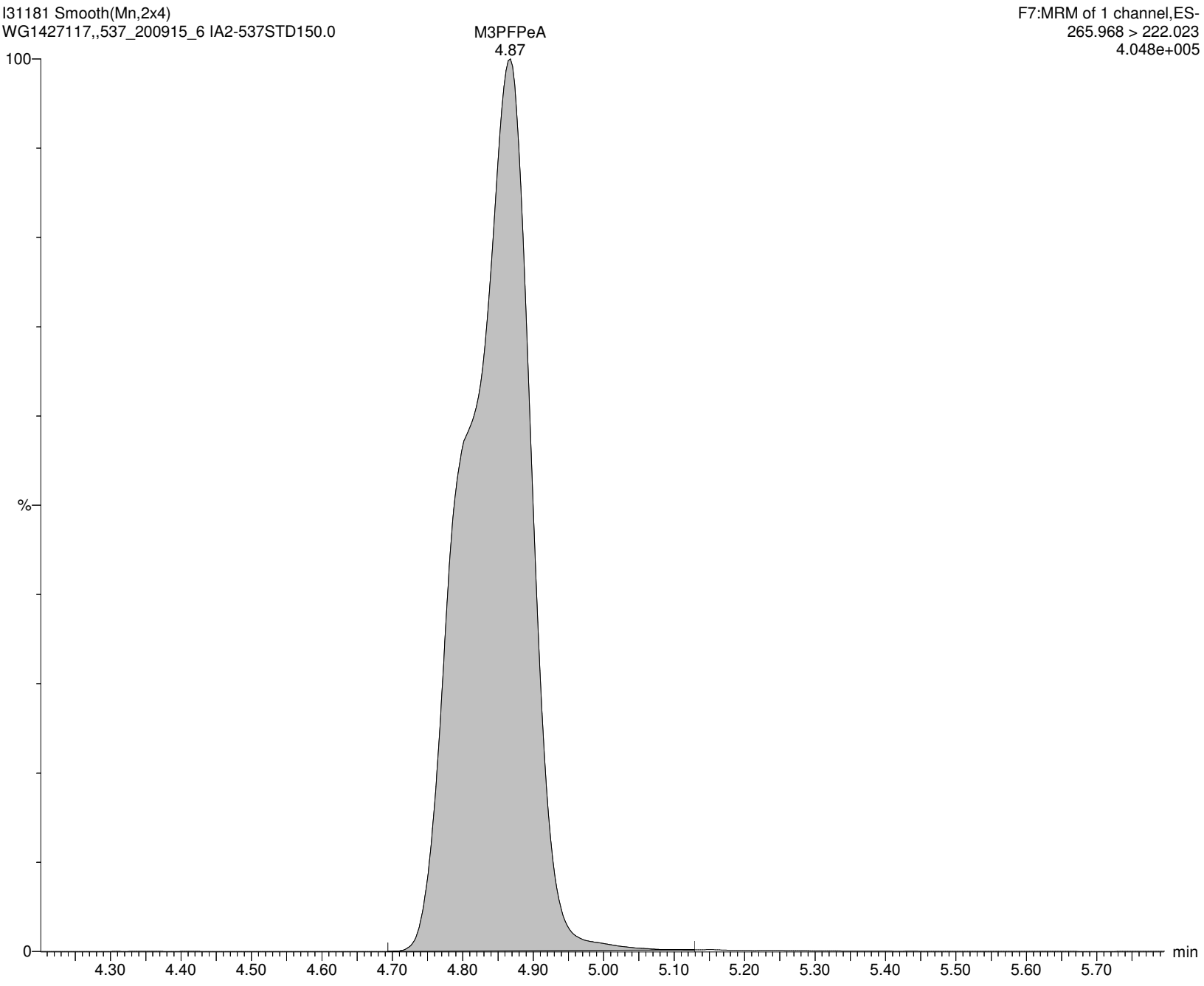

all concentration units in (ng/mL)

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Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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User: LCMS02:JW
Vial: 1:A,7
Instrument: XEVO-TQSmicro#QEB0050
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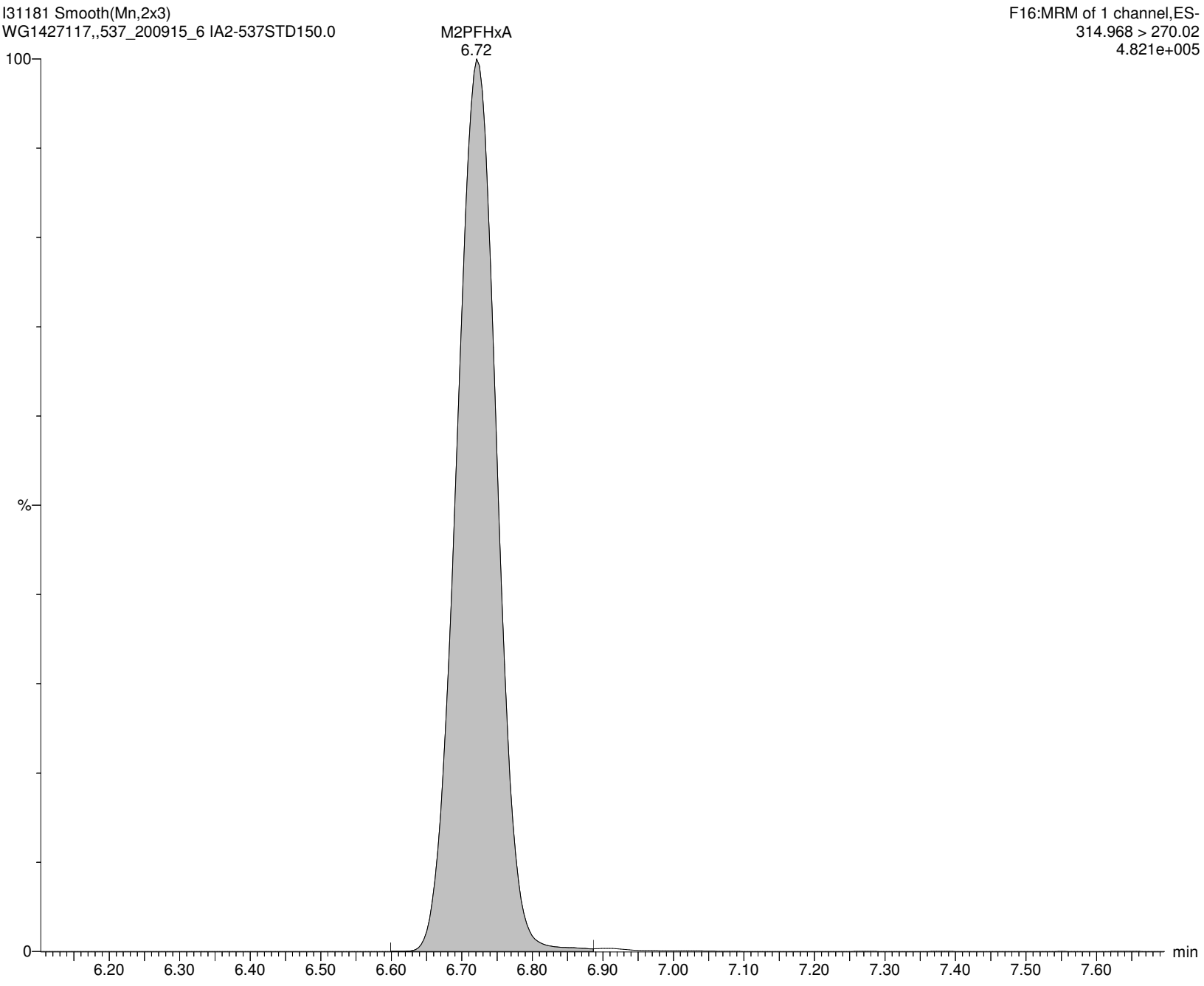

all concentration units in (ng/mL)

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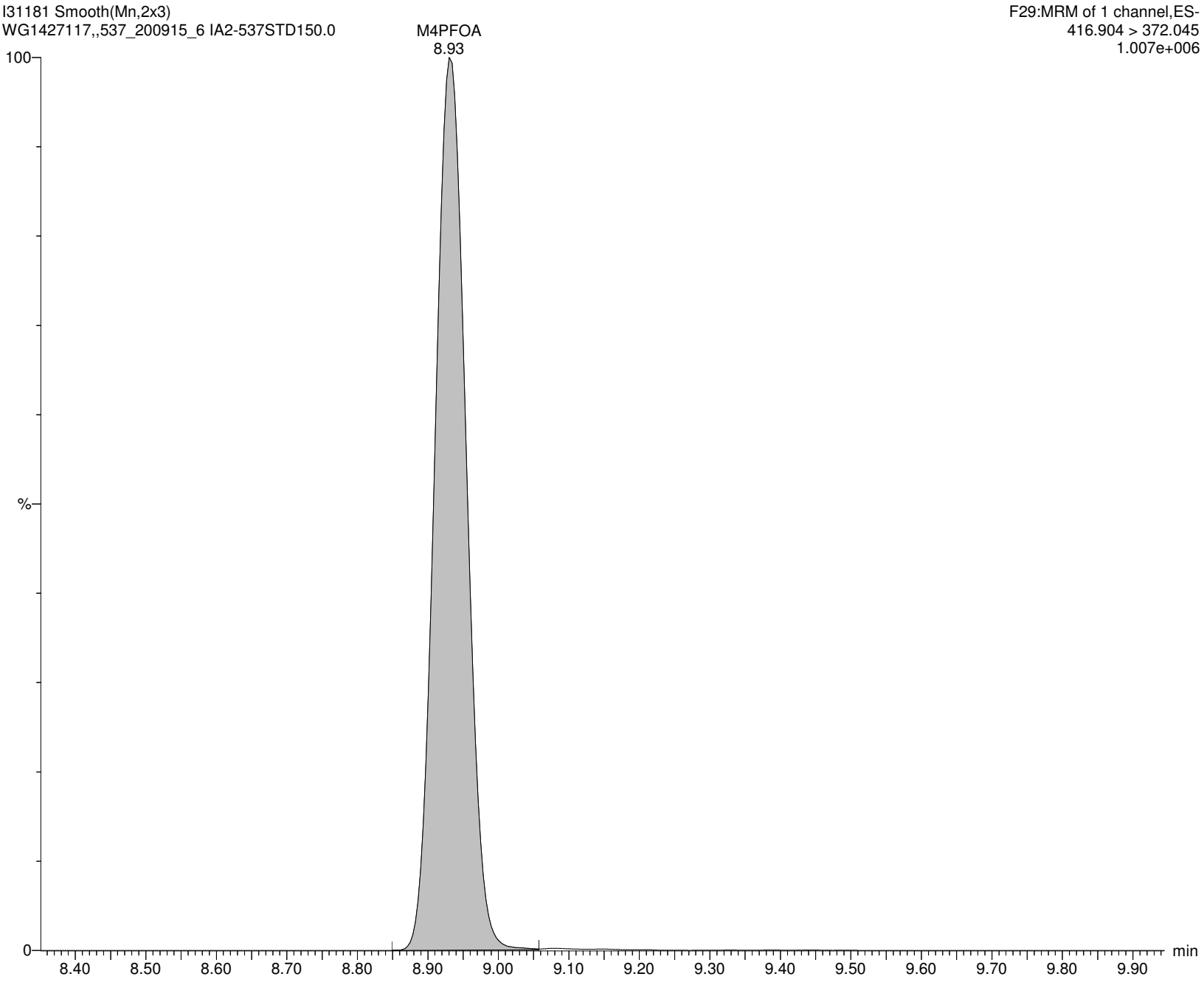

all concentration units in (ng/mL)

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Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:15:59 Eastern Daylight Time

Method: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\MethDB\537ISO_Q_201027_TOP.mdb 15 Sep 2020 15:13:47
Calibration: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\CurveDB\201027_ISO_ICAL.cdb 28 Oct 2020 10:14:48

ID: IA2-537STD250.0
Name: I31182
Date: 27-Oct-2020
Time: 19:19:59
Description: WG1427117,,537_200915_7
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:JW
Inlet Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\200520_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4	2.01	212.926 > 169.111	657532		254.004		na	101.6
2	M3PFBA	INT STD	2.01	215.926 > 172.122	27999		9.533		na	95.3
3	MPFBA	INT STD	2.01	216.926 > 172.137	33834		9.994		na	99.9
4	PFPeA	2706-90-3	4.84	262.926 > 219.002	762955		254.320		na	101.7
5	M5PFPEA	INT STD	4.85	267.989 > 223.081	41904		9.614		na	96.1
6	PFBS	375-73-5	5.50	298.926 > 79.923	186372		225.470	1.93	NO	101.9
7	M3PFBS	INT STD	5.50	301.989 > 80.254	7824		10.651		na	106.5
8	4:2FTS	757124-72-4	6.64	326.926 > 306.957	43802		ND	2.21	NO	
9	M2-4:2FTS	INT STD	6.64	329.117 > 309.079	5634		20.932		na	209.3
10	PFHxA	307-24-4	6.72	312.989 > 269.028	812788		253.550	14.75	NO	101.4
11	M5PFHxA	INT STD	6.72	317.989 > 273.045	35153		10.206		na	102.1
12	PFPeS	2706-91-4	7.04	348.926 > 80.251	146339		246.311	2.15	NO	104.8
13	PFHpA	375-85-9	8.00	362.926 > 319.014	1037354		253.666	5.50	NO	101.5
14	M4PFHpA	INT STD	8.00	366.926 > 321.979	42342		9.797		na	98.0
15	br-PFHxS	355-46-4	7.93	398.926 > 80.295	33308	M5,M7	42.781	2.00	NO	100.7
16	L-PFHxS	355-46-4	8.16	398.926 > 80.295	122057		189.806	1.46	NO	102.6
17	PFHxS	355-46-4		398.926 > 80.295	155365		232.587		na	
18	M3PFHxS	INT STD	8.16	401.926 > 80.317	6188		9.519		na	95.2
19	br-PFOA	335-67-1		412.989 > 368.9			ND		YES	
20	L-PFOA	335-67-1	8.93	412.989 > 368.9	1201701		254.026	7.52	YES	101.6
21	M2PFOA	INT STD	8.93	415.032 > 369.968	53029		8.491		na	84.9
22	PFOA	335-67-1		412.989 > 368.9	1201701		254.026		na	
23	M8PFOA	INT STD	8.93	420.989 > 375.979	56612		9.722		na	97.2
24	6:2FTS	27619-97-2	8.89	427.161 > 407.155	59155		ND	22.12	YES	
25	M2-6:2FTS	INT STD	8.89	429.146 > 409.14	5969		20.296		na	203.0
26	PFHpS	375-92-8	9.03	448.926 > 80.257	123550		242.419	1.09	NO	102.1
27	PFNA	375-95-1	9.68	462.989 > 418.931	997118		254.860	3.20	NO	101.9
28	M9PFNA	INT STD	9.68	472.053 > 426.947	20948		9.394		na	93.9
29	br-PFOS	1763-23-1	9.55	498.989 > 80.294	58900	M5,M7	50.232	4.26	YES	100.5
30	L-PFOS	1763-23-1	9.74	498.989 > 80.294	130931		183.601	1.79	NO	100.6
31	PFOS	1763-23-1		498.989 > 80.294	189832		233.833		na	
32	M4PFOS	INT STD	9.74	503.032 > 80.306	6003		8.035		na	80.3
33	M8PFOS	INT STD	9.74	507.053 > 80.294	7306		9.742		na	97.4
34	PFDA	335-76-2	10.29	513.053 > 468.906	776330		253.963	4.58	NO	101.6
35	M2PFDA	INT STD	10.29	515.053 > 469.934	33080		7.615		na	76.2
36	M6PFDA	INT STD	10.30	519.053 > 473.931	35648		9.854		na	98.5
37	8:2FTS	39108-34-4	10.28	527.177 > 507.171	26708	m4	ND	57.19	YES	
38	M2-8:2FTS	INT STD	10.28	529.162 > 509.155	3751		18.308		na	183.1
39	PFNS	68259-12-1	10.33	548.989 > 80.249	139223		240.955	1.41	NO	100.4

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:15:59 Eastern Daylight Time

ID: IA2-537STD250.0
Name: I31182
Date: 27-Oct-2020
Time: 19:19:59
Description: WG1427117,,537_200915_7
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:JW
Inlet Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\200520_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.71	573.22 > 419.061	5005		13.272		na	132.7
41	br-NMeFOSAA		10.56	570.202 > 419.061	10696	m5,m7	58.069	1.29	YES	96.8
42	L-NMeFOSAA		10.71	570.202 > 419.061	83239		181.290	2.61	YES	95.4
43	NMeFOSAA	2355-31-9		570.202 > 419.061	93934		239.359		na	
44	PFUnA	2058-94-8	10.82	562.989 > 518.903	656830		253.451	6.27	NO	101.4
45	M7-PFUDA	INT STD	10.82	570.053 > 524.923	27790		8.989		na	89.9
46	PFDS	335-77-3	10.84	598.926 > 80.314	135691		241.026	1.48	NO	99.9
47	FOSA	754-91-6	10.94	498.146 > 78.07	565806		256.152	133.14	NO	102.5
48	M8FOSA	INT STD	10.94	506.077 > 78.07	25314		10.578		na	105.8
49	br-NEtFOSAA		10.87	584.229 > 419.061	7086	m5,m7	56.727	1.90	NO	100.8
50	L-NEtFOSAA		11.01	584.229 > 419.061	61319		194.767	3.34	NO	100.5
51	NEtFOSAA	2991-50-6		584.229 > 419.061	68405		251.495		na	
52	d5-NEtFOSAA	INT STD	11.00	589.259 > 419.061	3717		12.360		na	123.6
53	PFDoA	307-55-1	11.28	612.989 > 568.967	896203		252.527	11.92	NO	101.0
54	MPFDOA	INT STD	11.28	614.989 > 569.92	35951		10.352		na	103.5
55	PFTrDA	72629-94-8	11.68	663.053 > 618.969	782490		255.669	10.03	NO	102.3
56	PFTA	376-06-7	12.03	713.053 > 668.976	887876		251.826	6.96	NO	100.7
57	M2PFTEDA	INT STD	12.03	715.094 > 670.092	18492		10.843		na	108.4
58	M3HFPO-DA	INT STD	7.14	287.02 > 169.022	1797	m4	85.539		na	42.8
59	HFPO-DA	13252-13-6	7.13	284.819 > 169.094	42235		5259.231	0.72	YES	105.2
60	ADONA	958445-44-8	8.18	376.926 > 251.005	1454535		237.927		na	100.6
61	PFHxDA		12.56	813.253 > 769.005	397564		255.168		na	102.1
62	PFODA		12.78	913.411 > 869.131	203066		254.552		na	101.8
63	M2PFHxDA		12.56	815.372 > 770.158	11252		10.927		na	109.3
64	PFDoS		11.67	699.154 > 80.062	158164		253.177		na	101.3
65	10:2FTS		11.29	627.192 > 607.186	27887	m4	ND		na	
66	9CL-PF3ONS		10.08	530.862 > 350.843	587571		241.146		na	103.5
67	11CL-PFOUdS		11.09	630.862 > 450.854	531021		240.745		na	102.2
68	NMeFOSA		11.56	511.804 > 168.906	79670		257.671	1.86	NO	103.1
69	d3-NMeFOSA		11.55	514.84 > 168.917	47724		131.352		na	119.4
70	NEtFOSA		11.86	525.84 > 168.92	97303		257.849	4.54	NO	103.1
71	d5-NEtFOSA		11.85	530.904 > 168.919	57579		129.295		na	117.5
72	NMeFOSE		11.56	615.862 > 58.9	186657		254.398		na	101.8
73	d7-NMeFOSE		11.54	622.84 > 58.964	27375		124.191		na	112.9
74	NEtFOSE		11.85	629.862 > 58.899	218810		249.945		na	100.0
75	d9-NEtFOSE		11.83	638.734 > 58.964	17544		136.880		na	124.4
76	M3PFPeA		4.86	265.968 > 222.023	38789	m4	9.205		na	92.0
77	M2PFHxA		6.72	314.968 > 270.02	29601		8.943		na	89.4
78	M4PFOA		8.93	416.904 > 372.045	47622		8.427		na	84.3

all concentration units in (ng/mL)

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Method: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\MethDB\537ISO_Q_201027_TOP.mdb 15 Sep 2020 15:13:47
Calibration: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\CurveDB\201027_ISO_ICAL.cdb 28 Oct 2020 10:14:48

Name: I31182
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Date: 27-Oct-2020
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User: LCMS02:JW
Vial: 1:A,8
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MS Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

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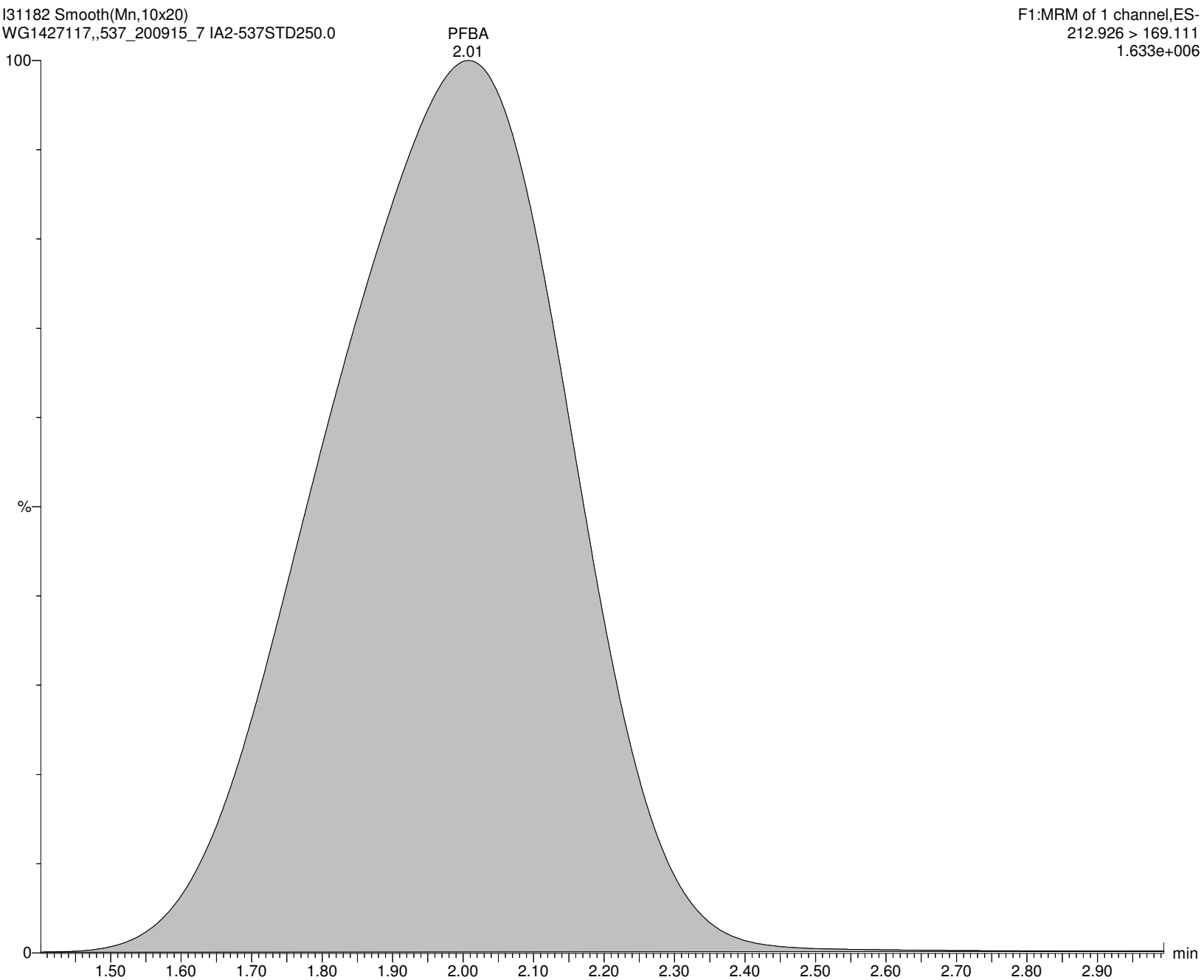

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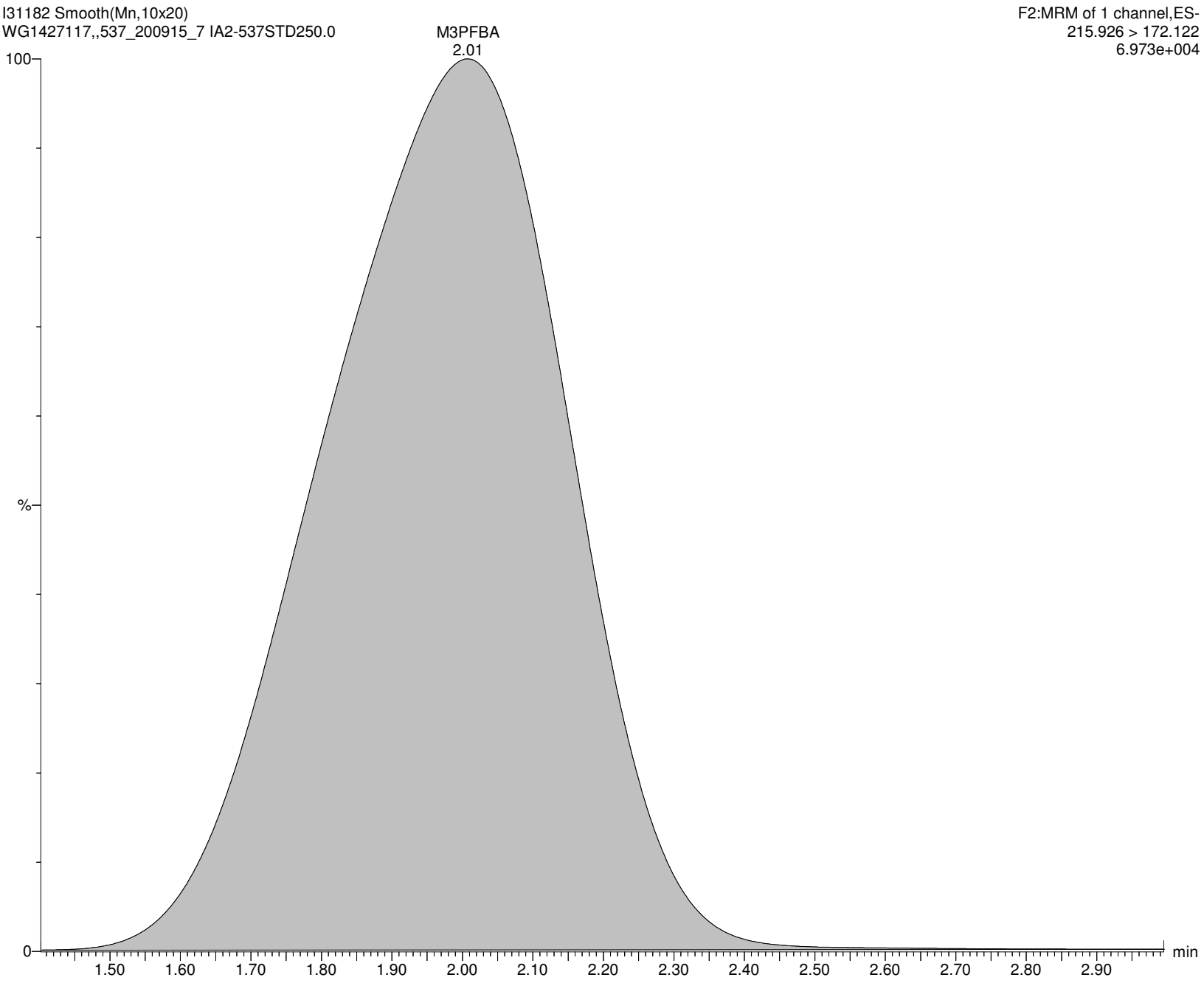
MS Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

M3PFBA



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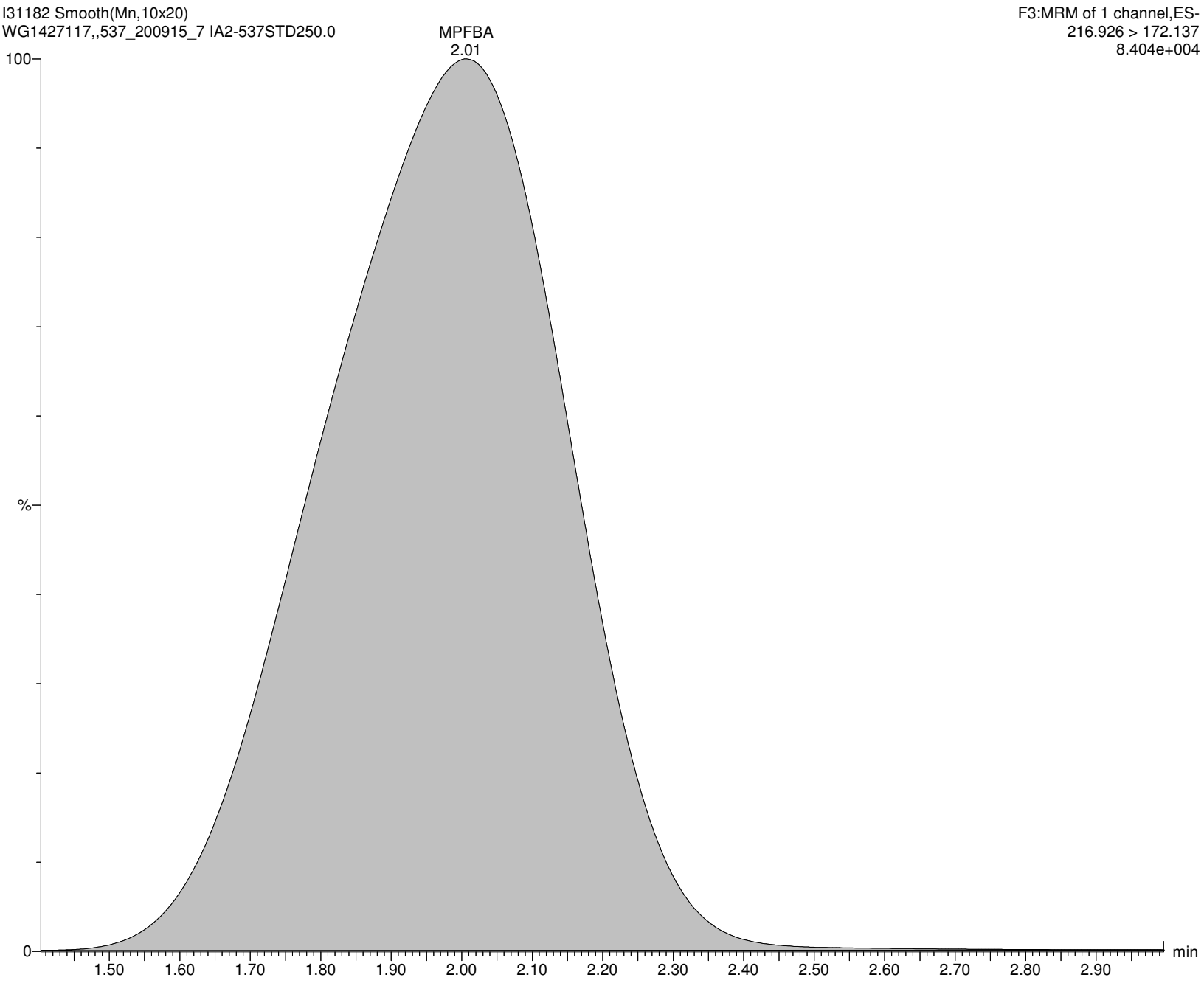
MS Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

MPFBA



all concentration units in (ng/mL)

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Printed: Wednesday, October 28, 2020 10:15:59 Eastern Daylight Time

Name: I31182
ID: IA2-537STD250.0
Date: 27-Oct-2020
Time: 19:19:59
Description: WG1427117,,537_200915_7
User: LCMS02:JW
Vial: 1:A,8
Instrument: XEVO-TQSmicro#QEB0050
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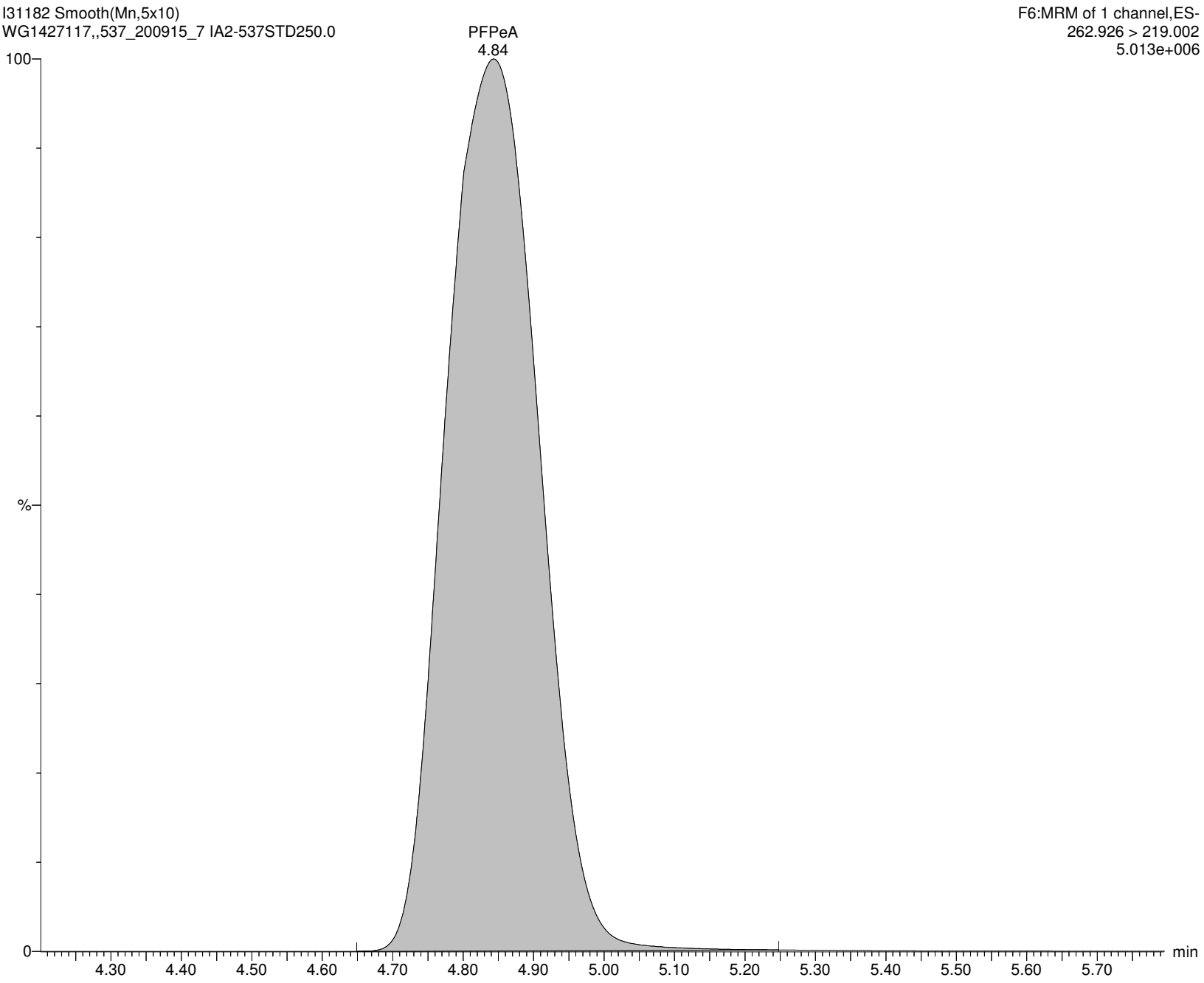

all concentration units in (ng/mL)

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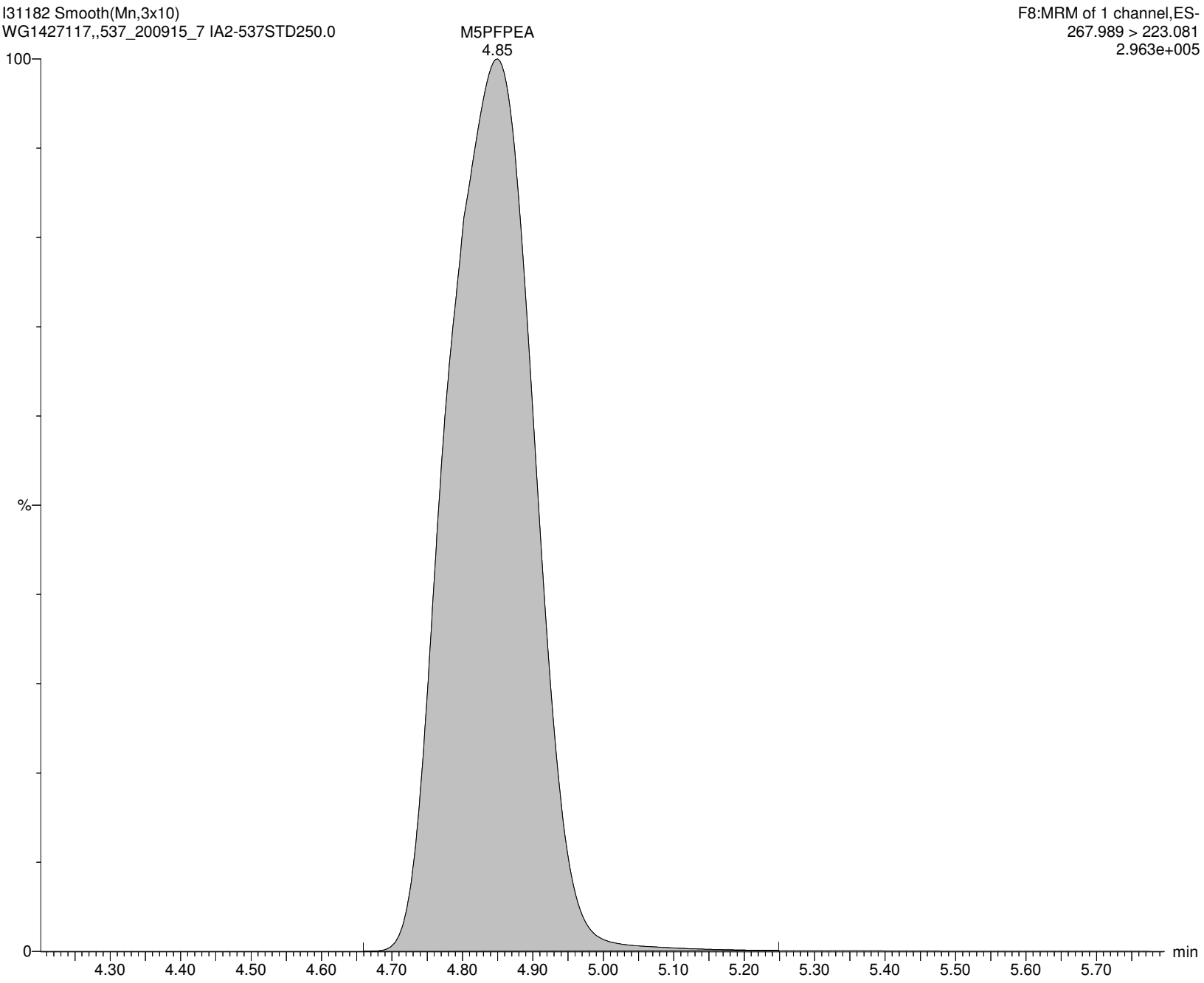

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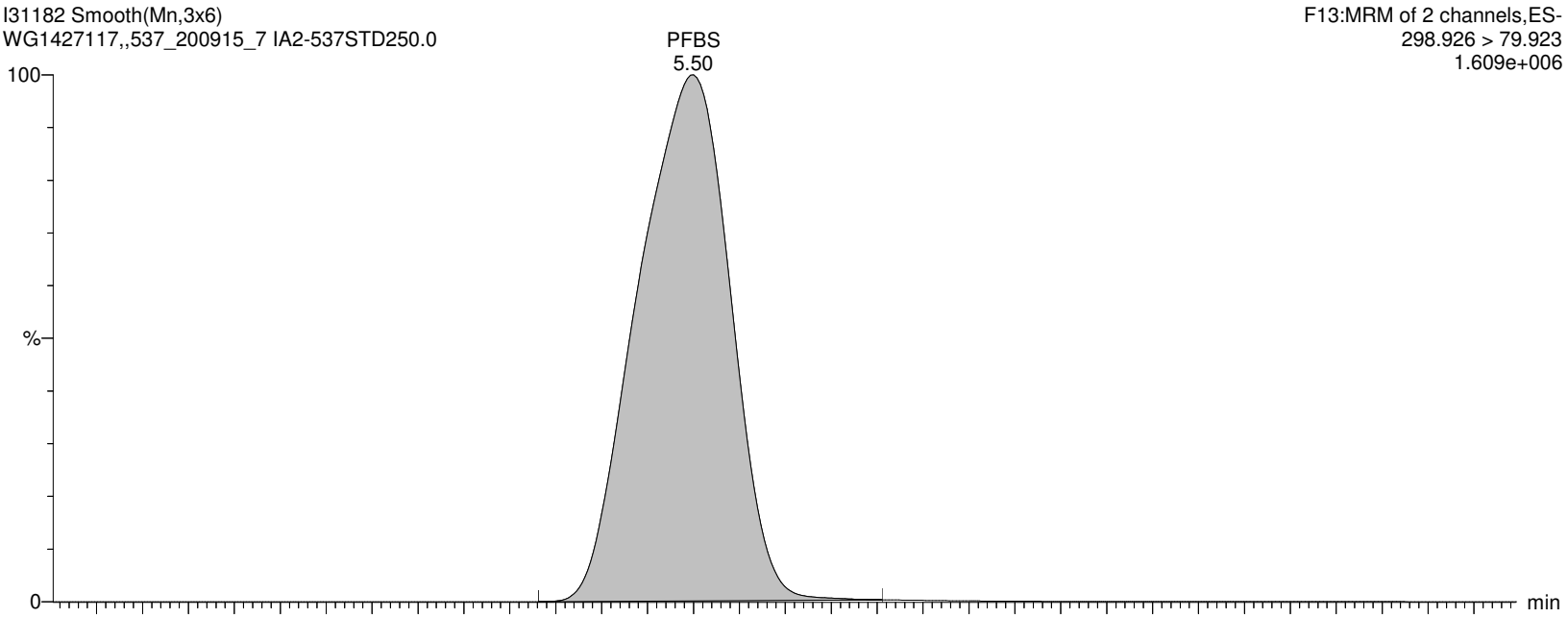

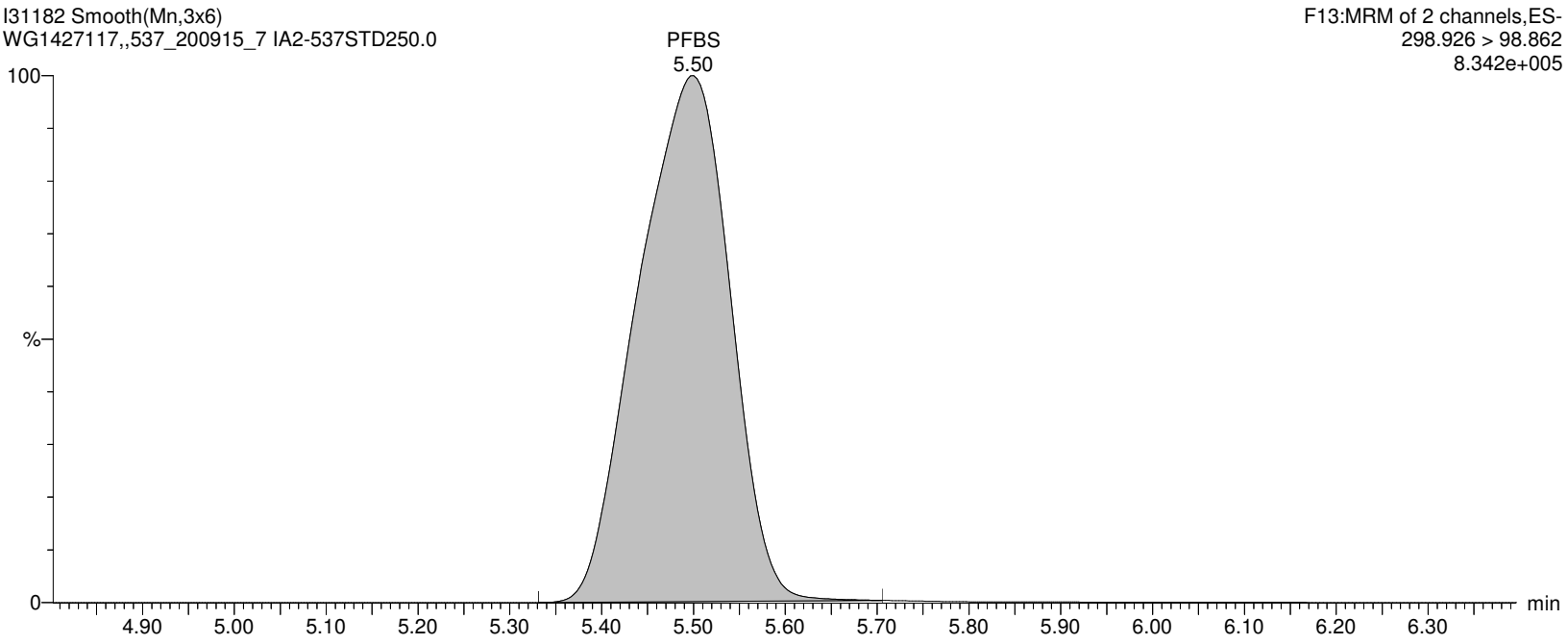

all concentration units in (ng/mL)

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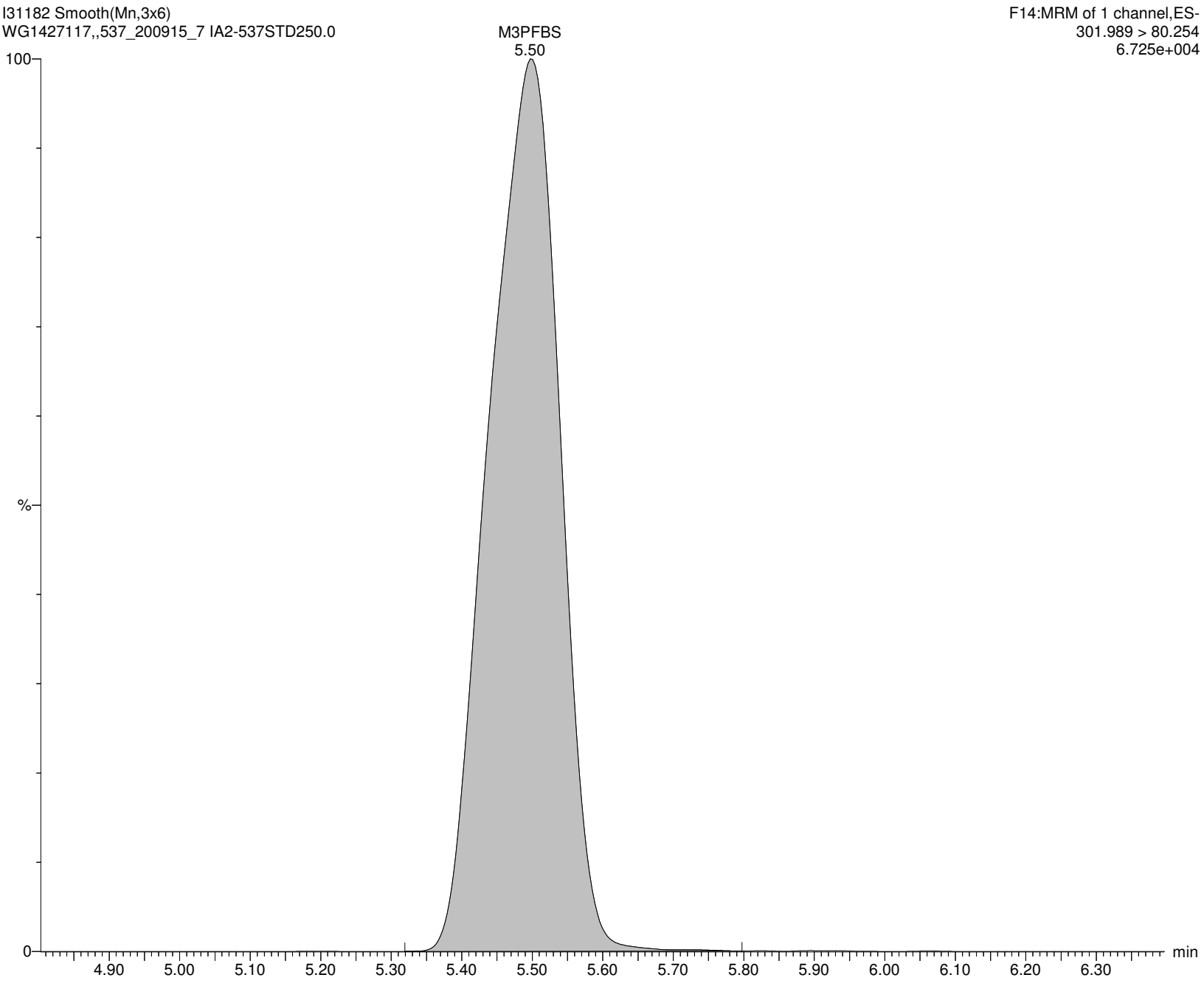

all concentration units in (ng/mL)

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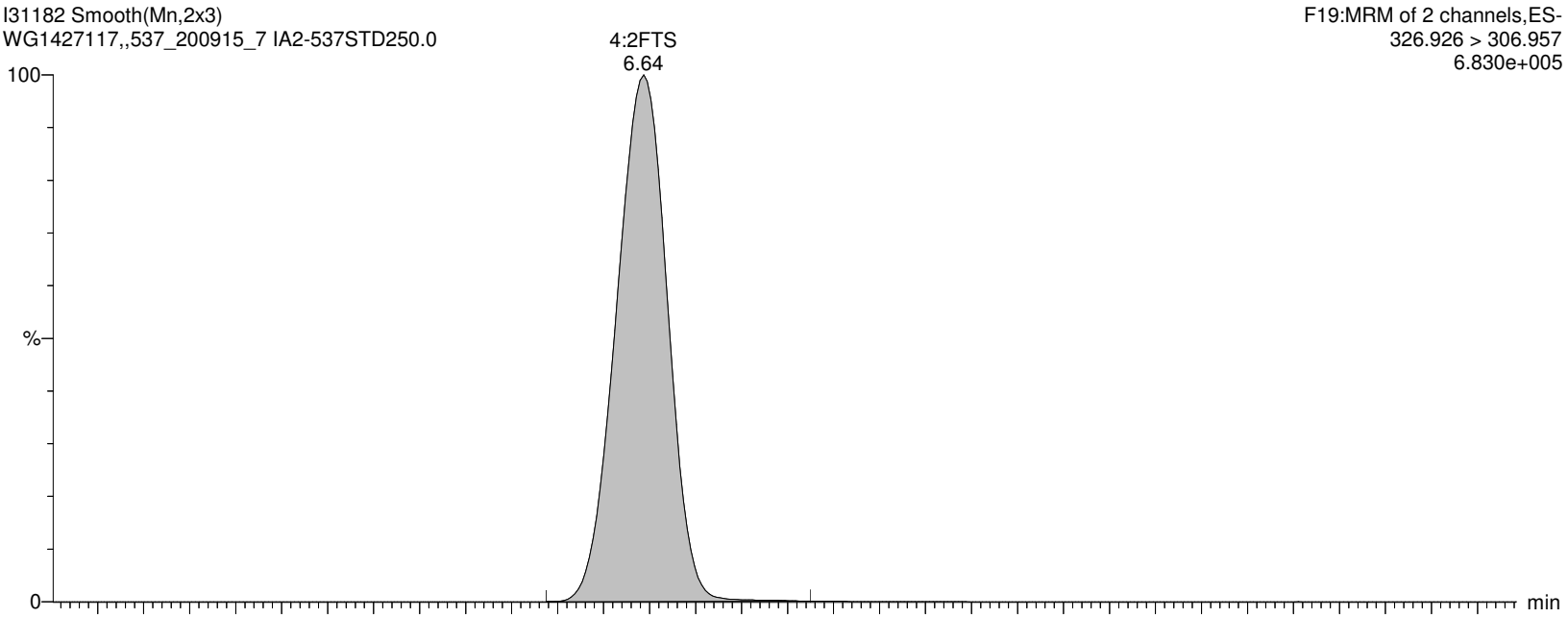

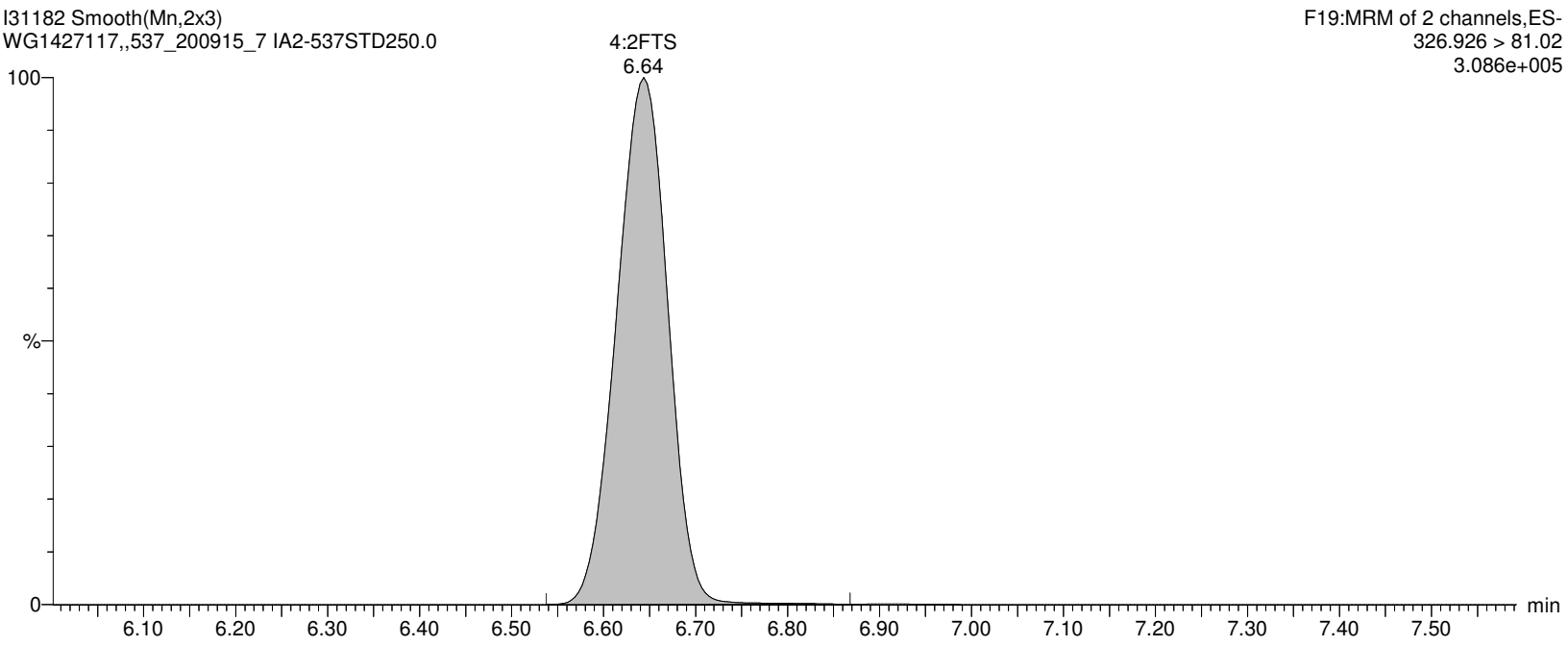

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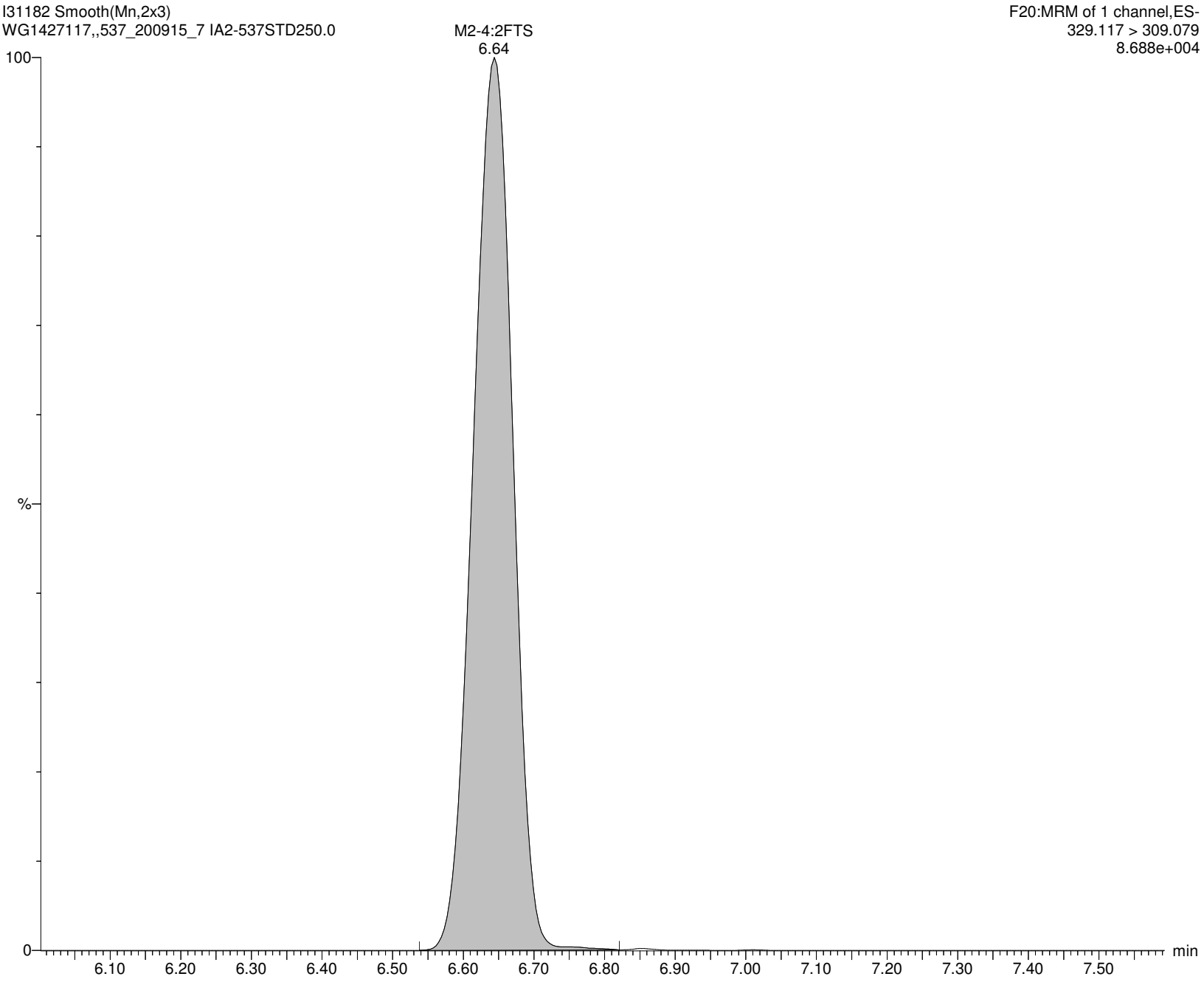

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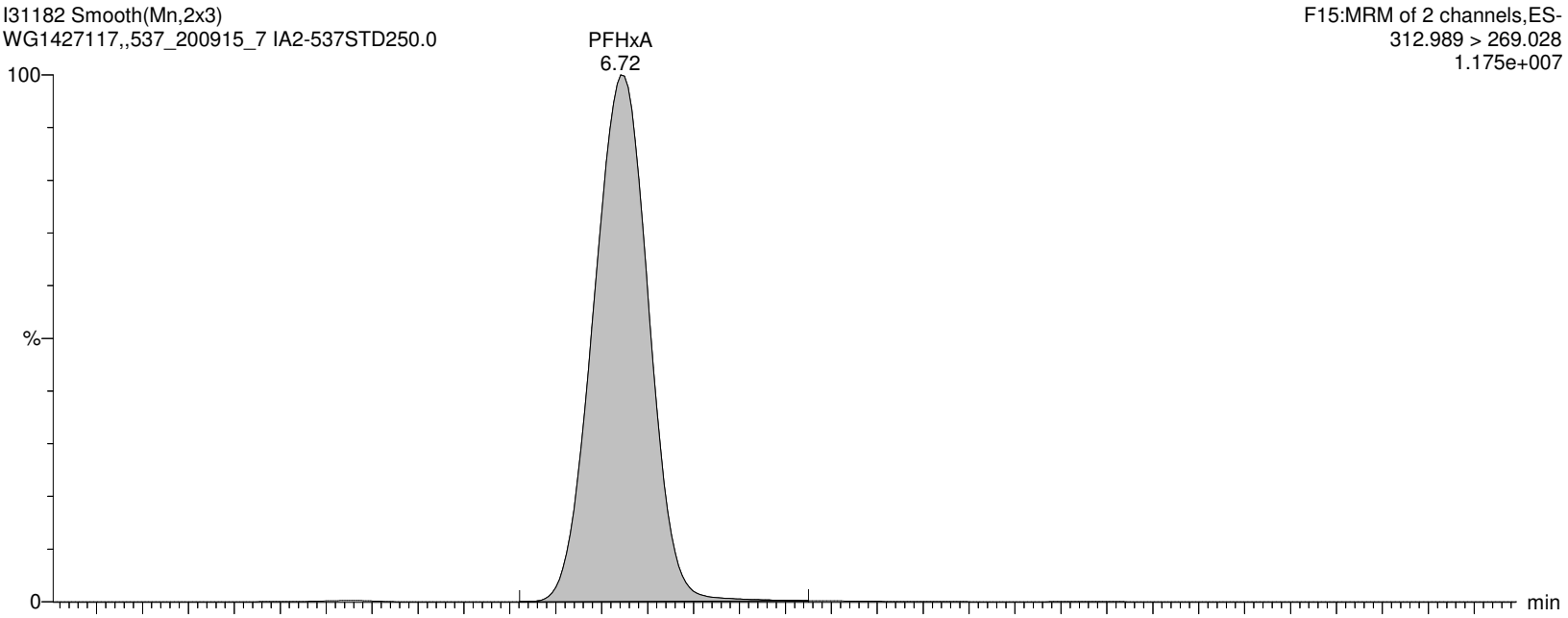

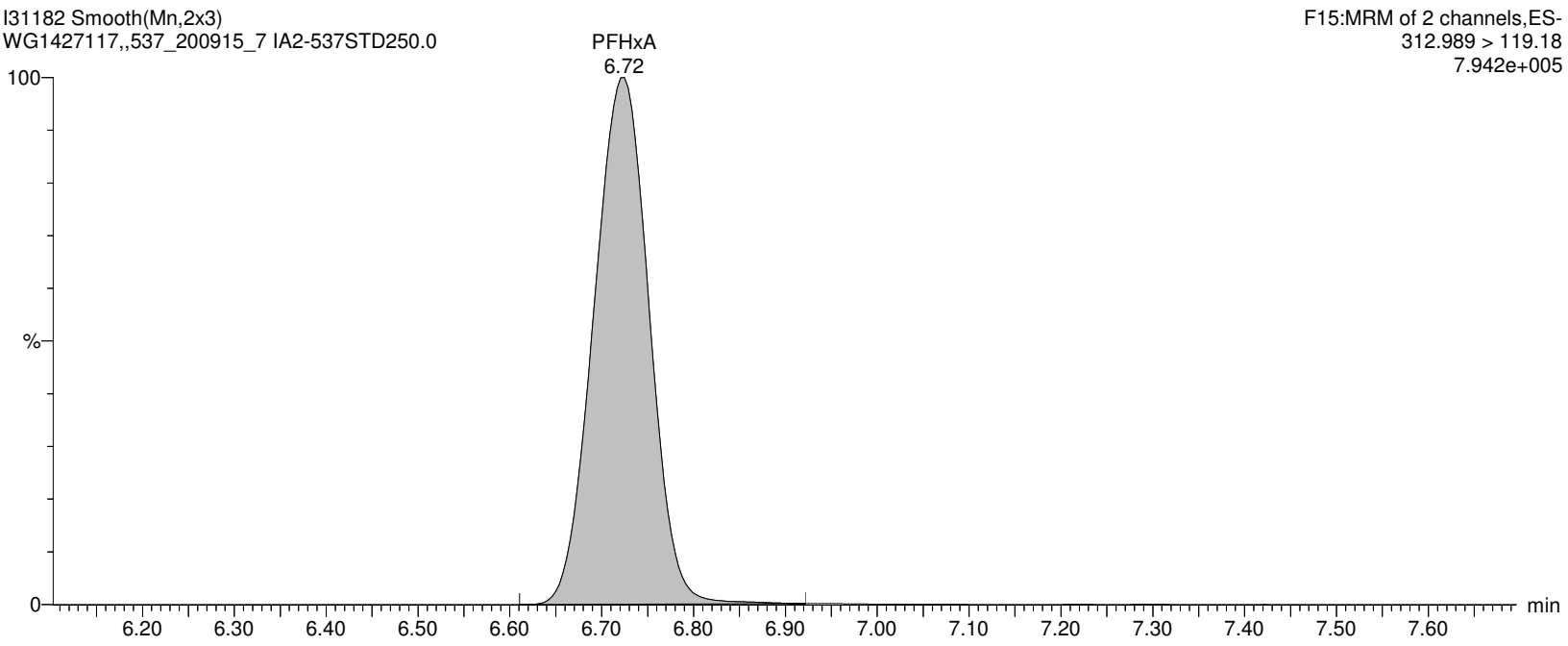

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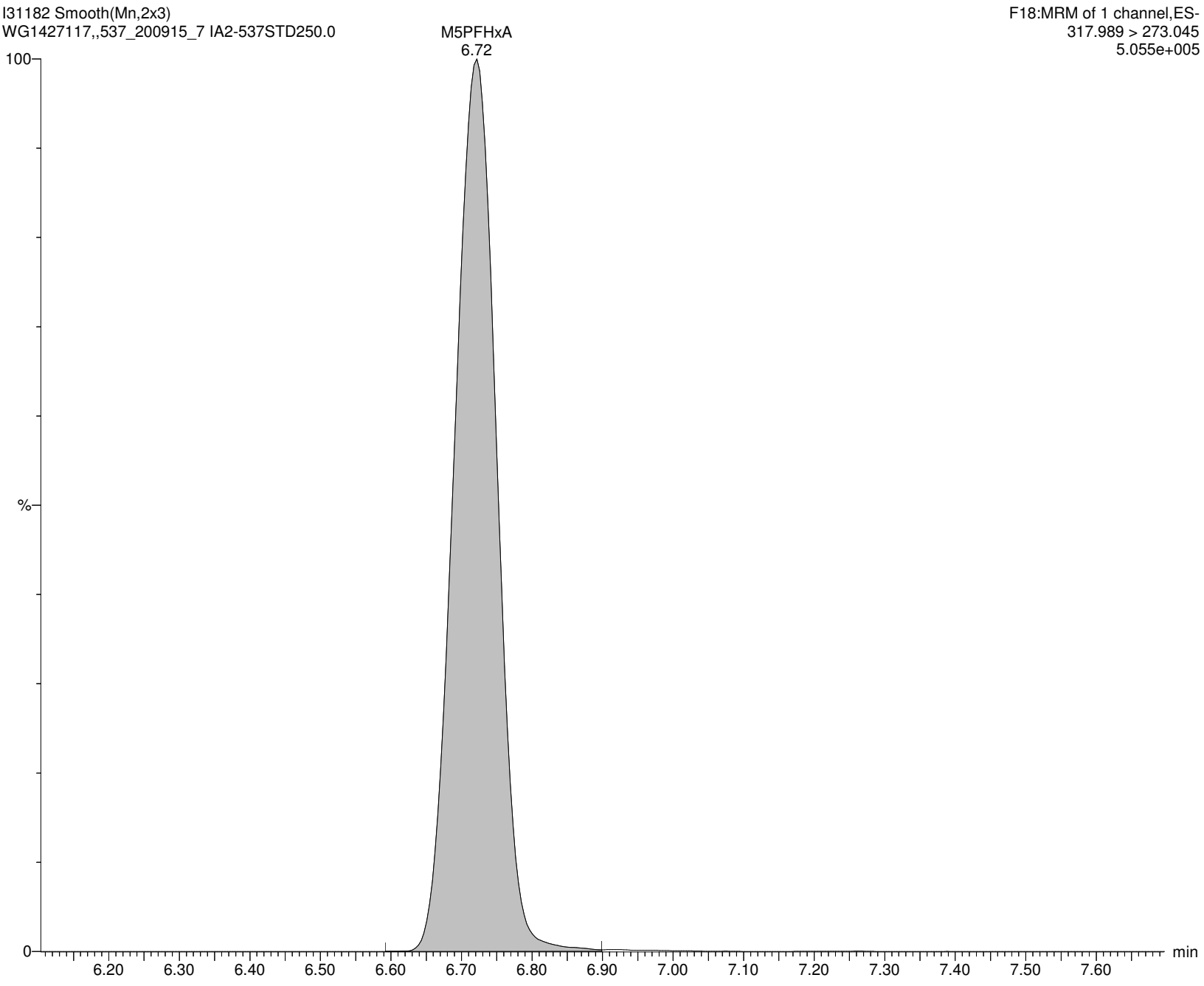

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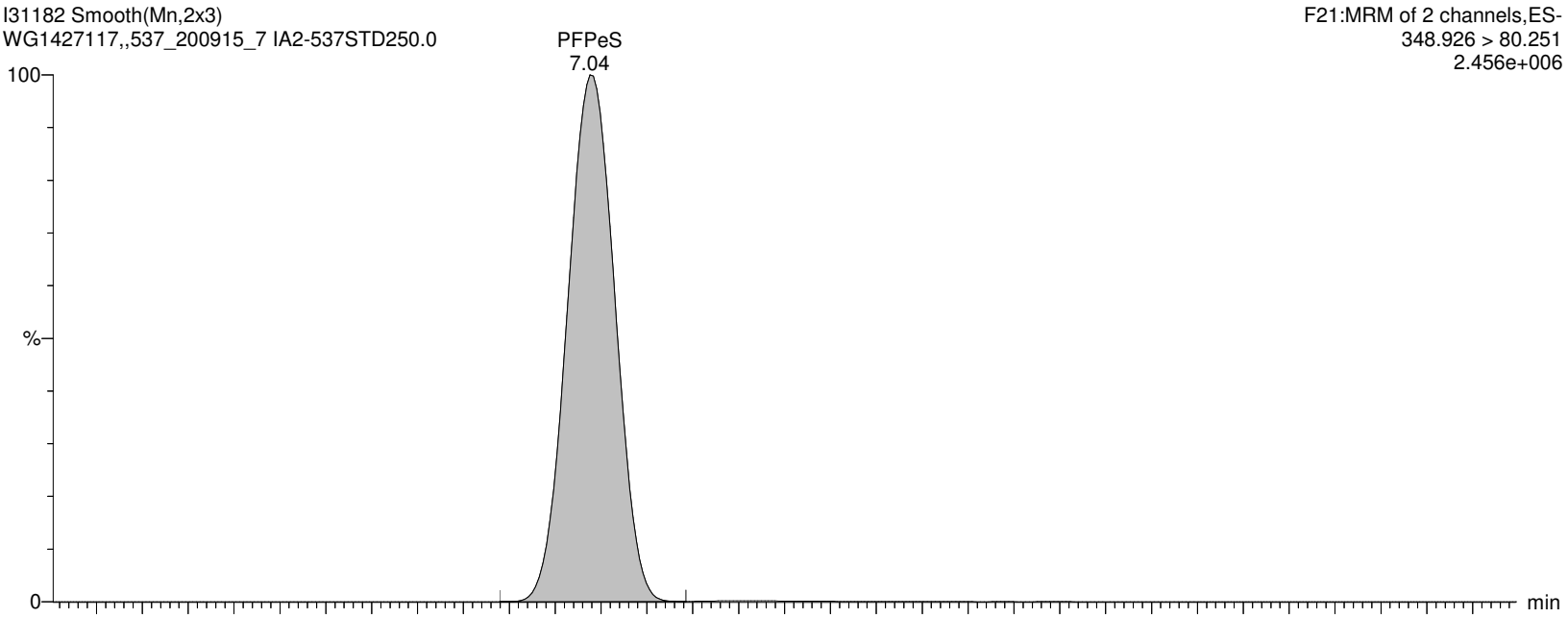

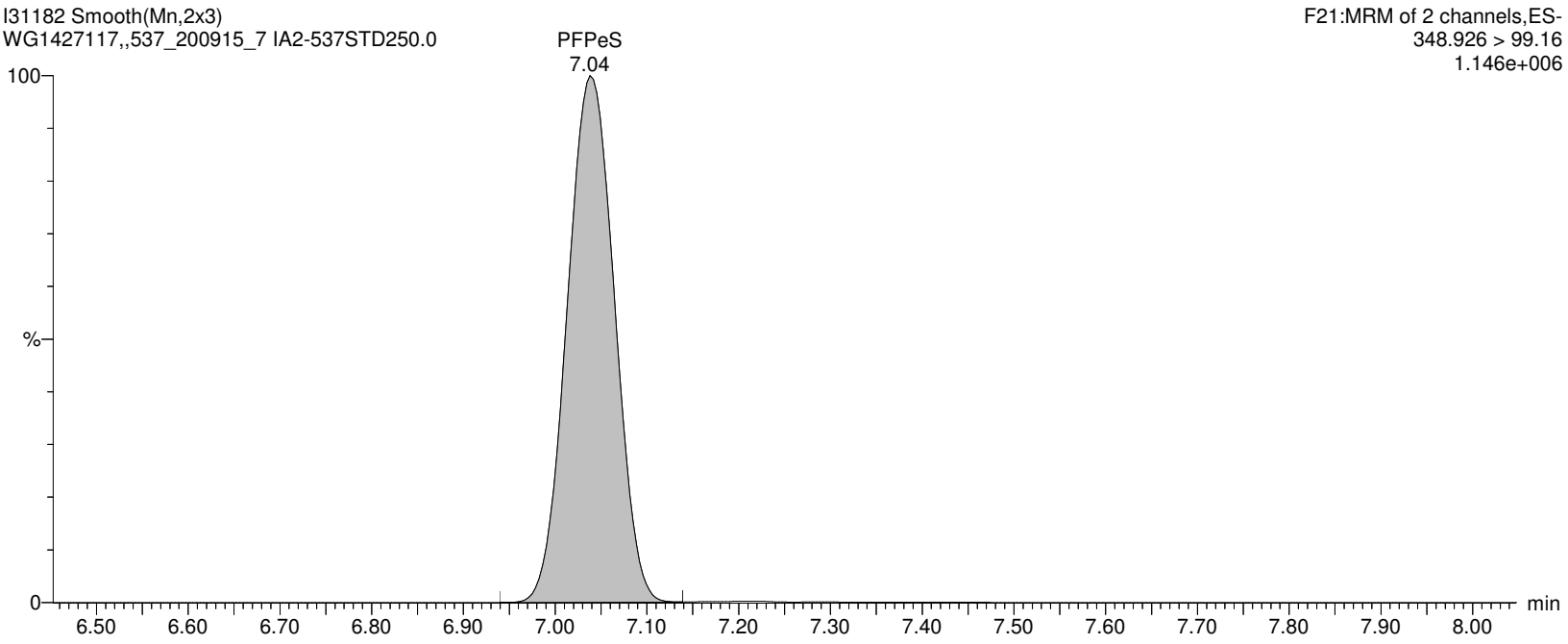

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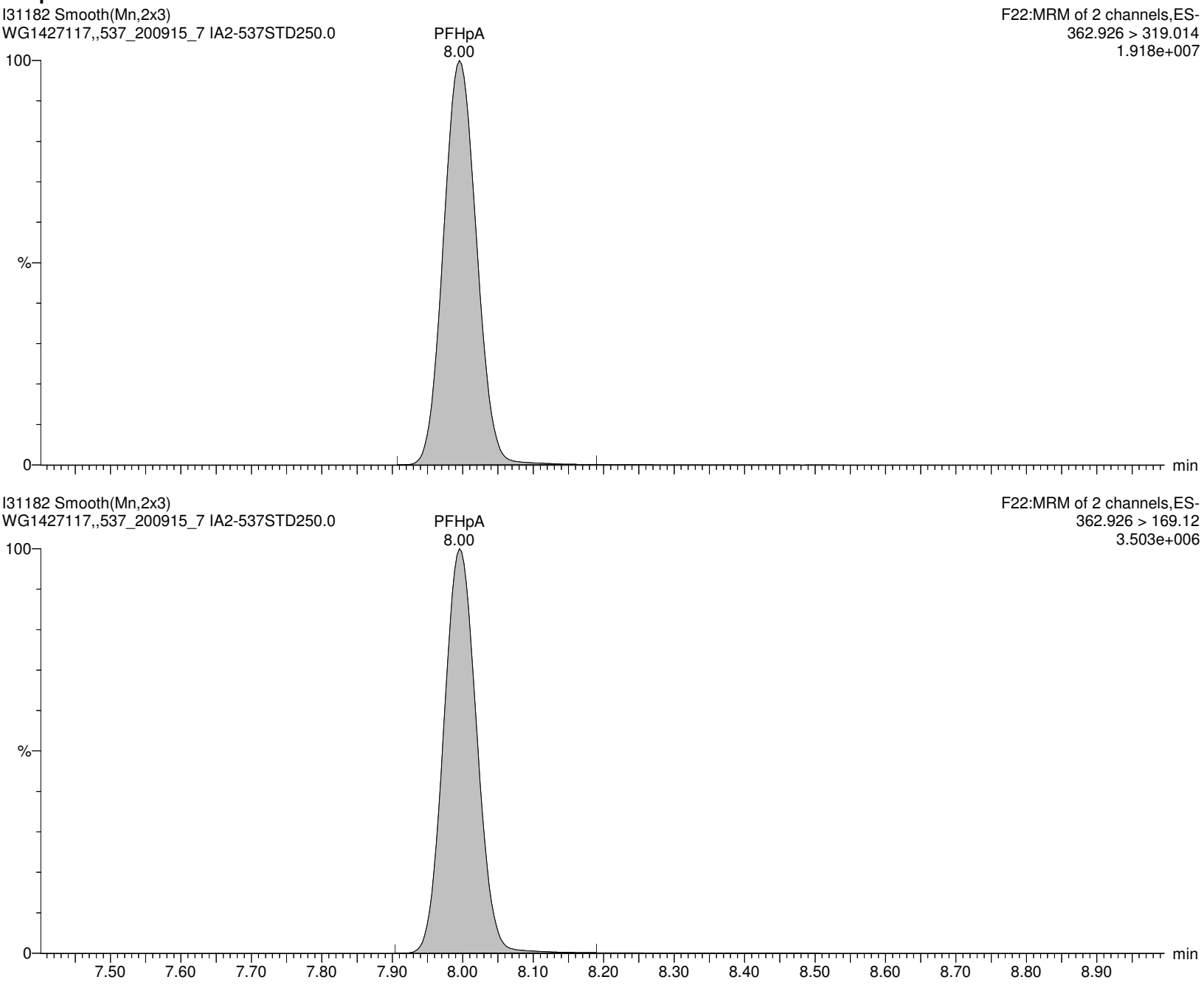

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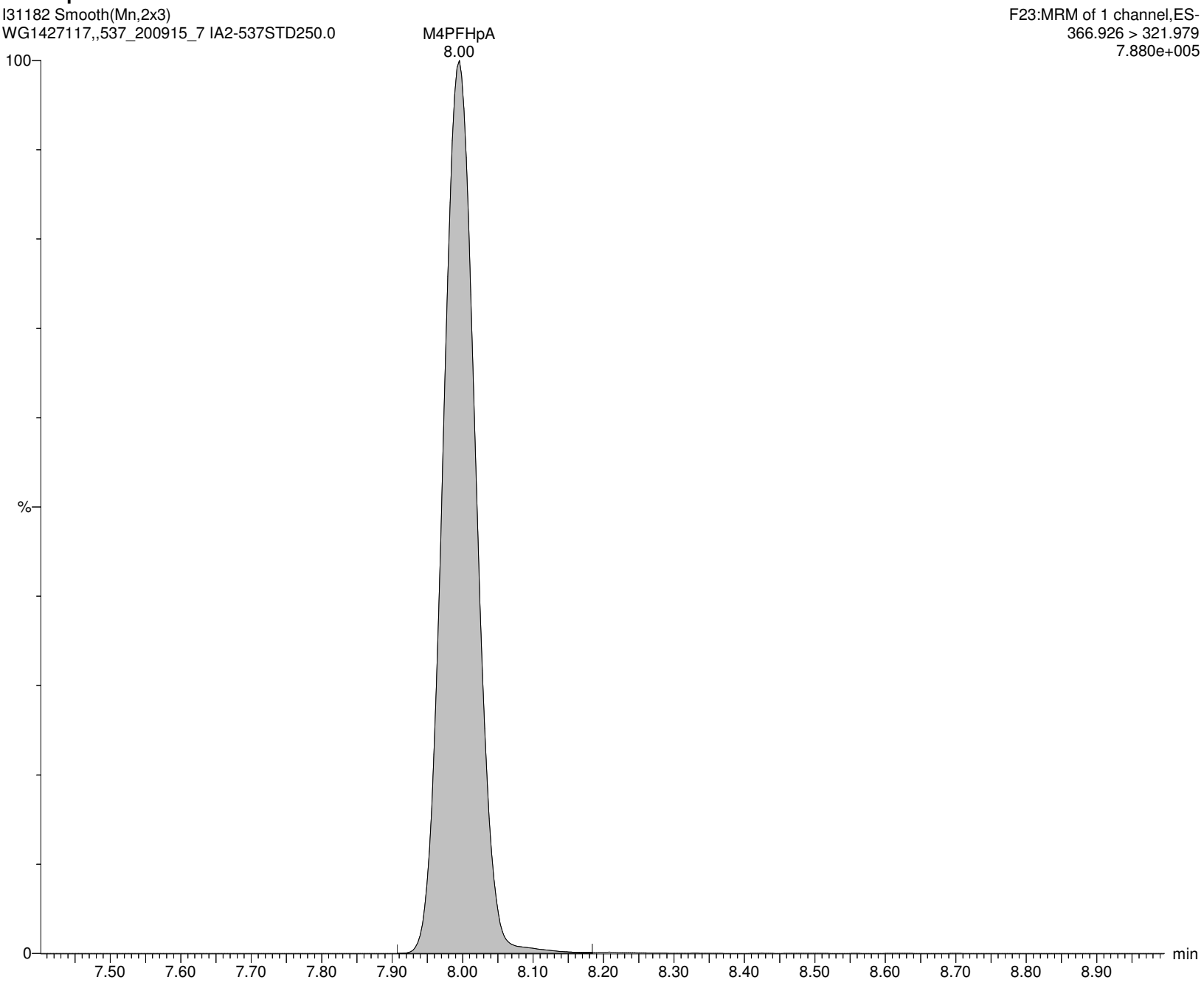

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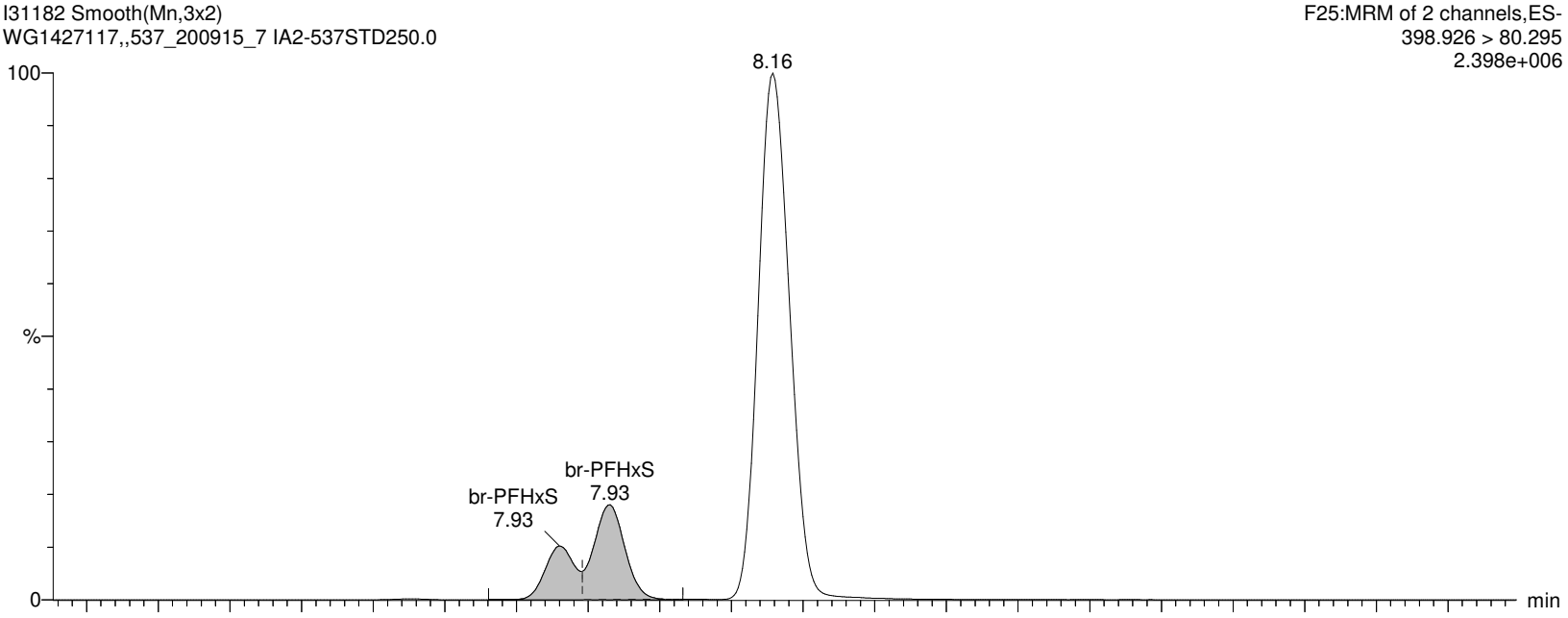

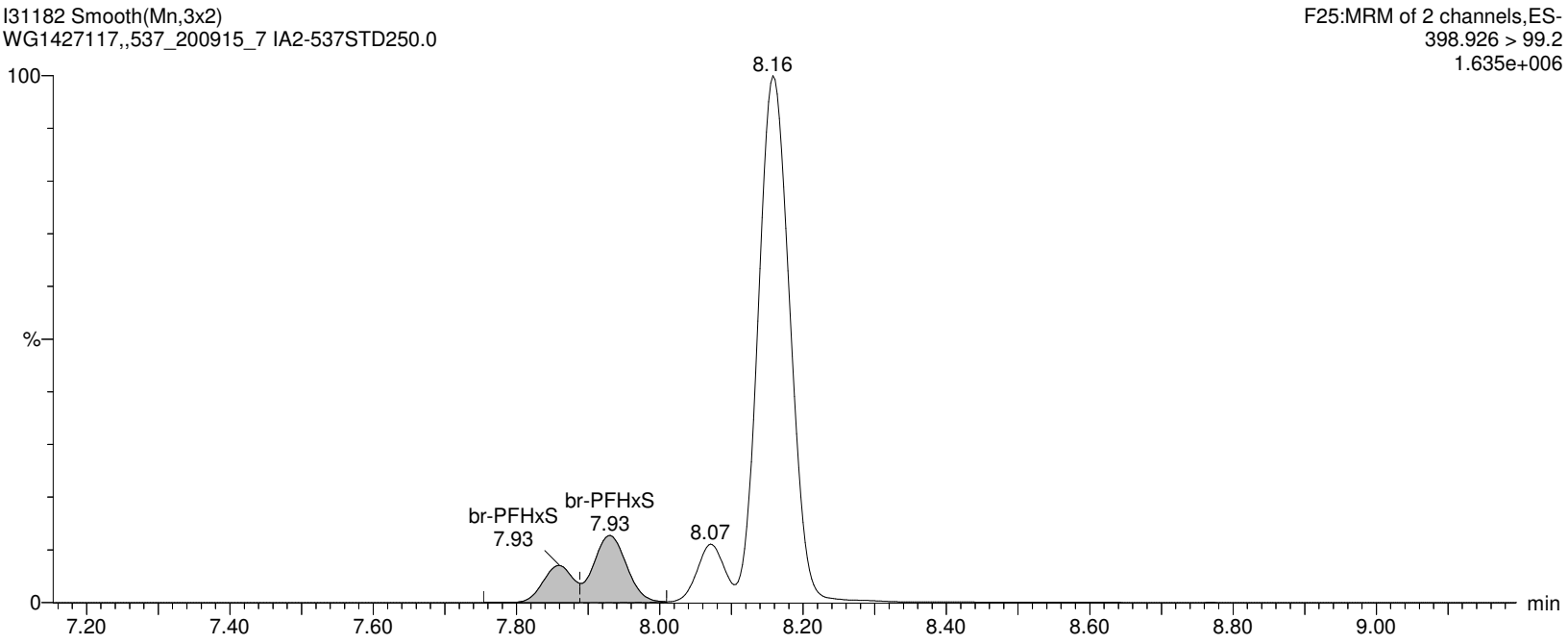

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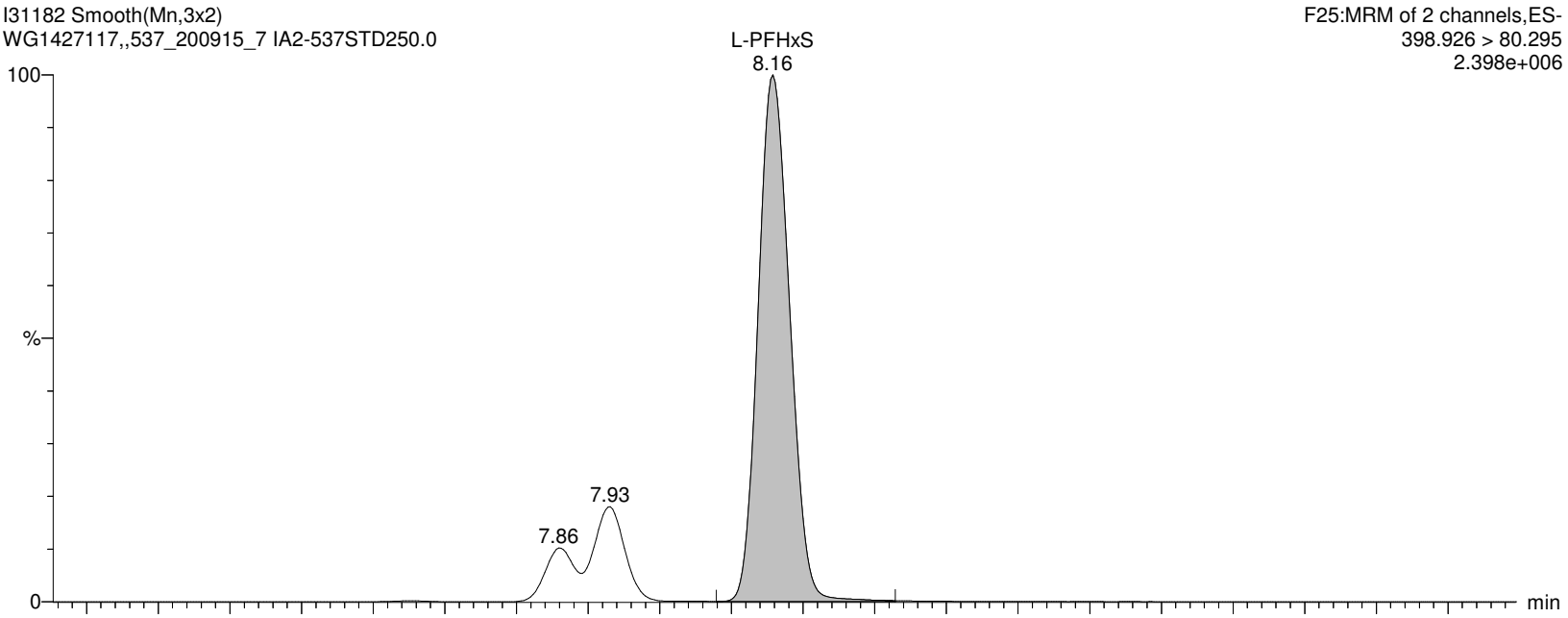

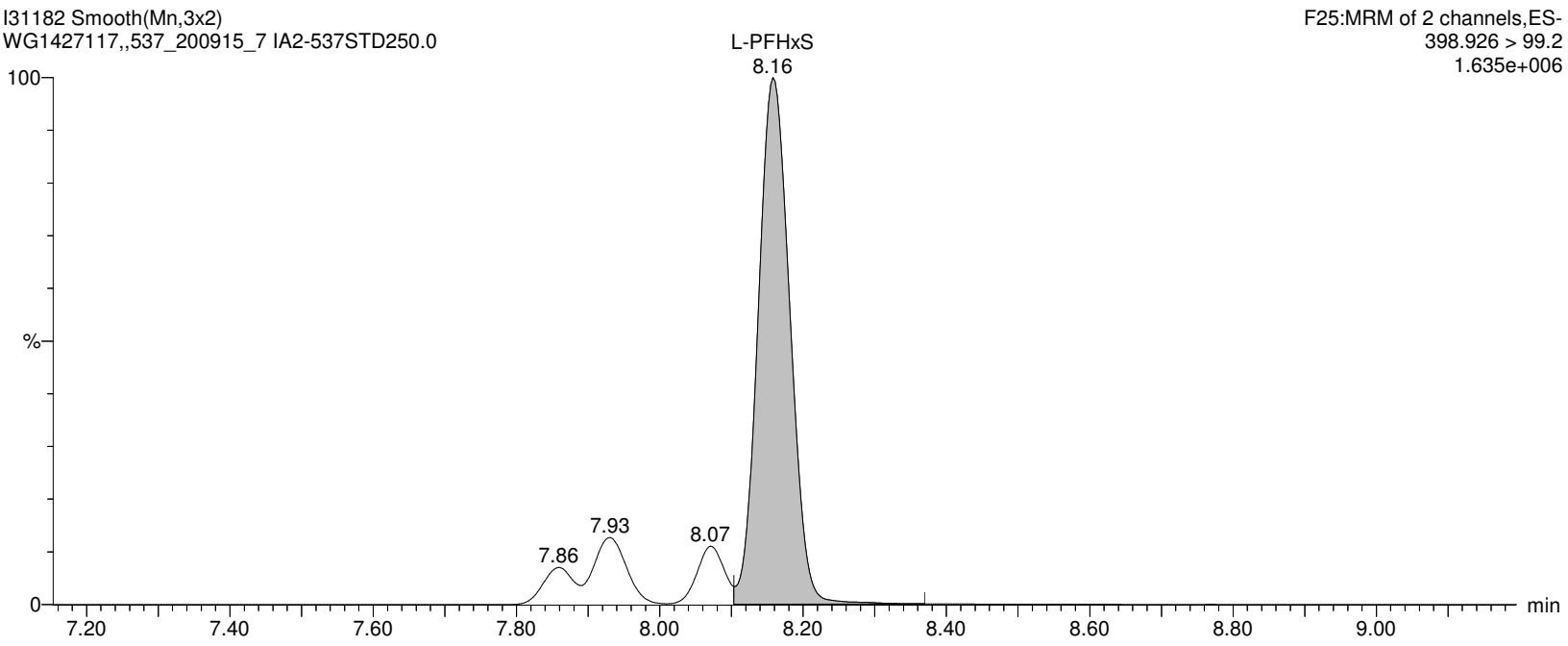

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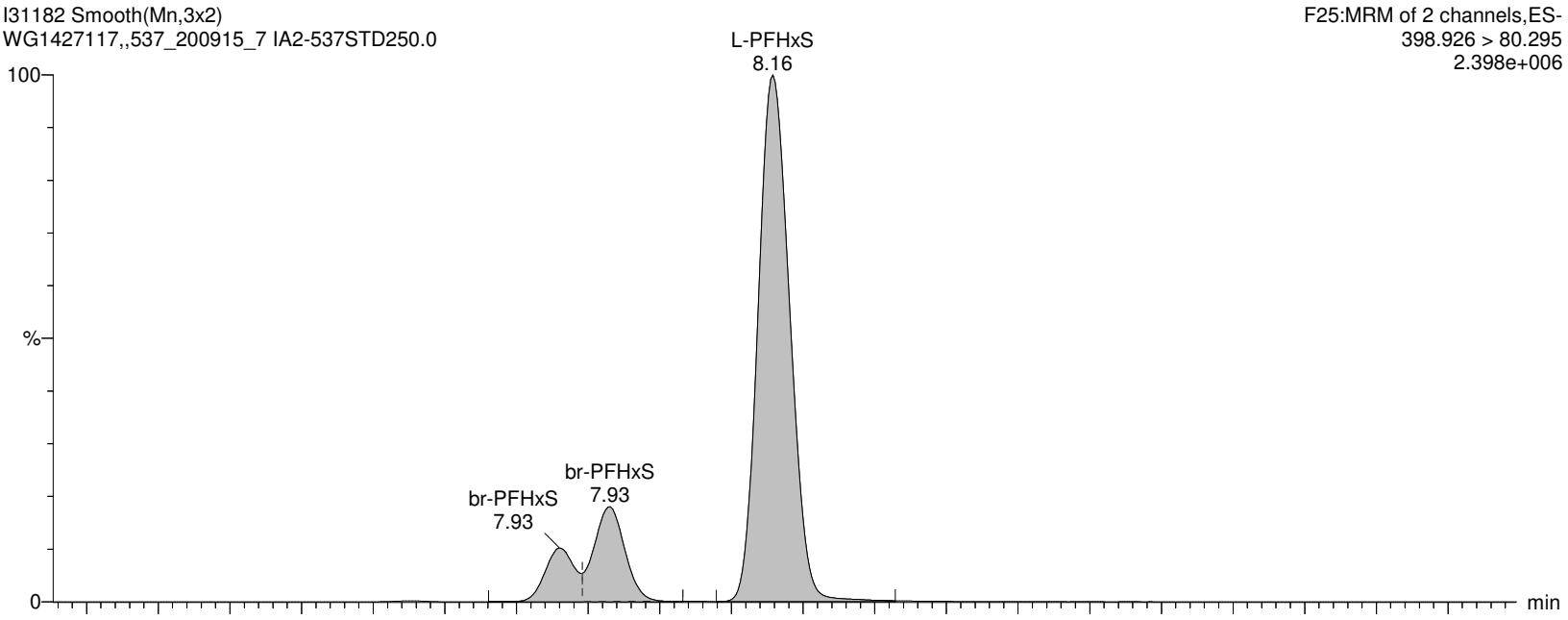

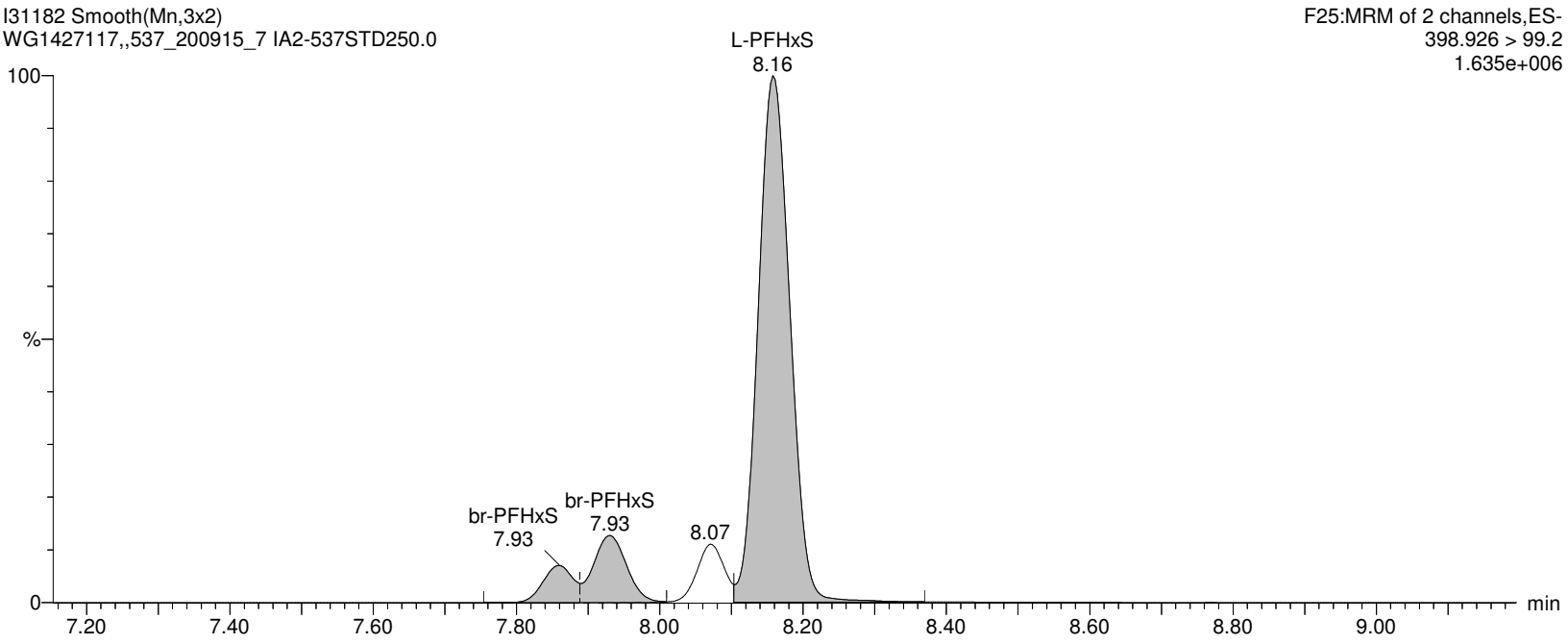

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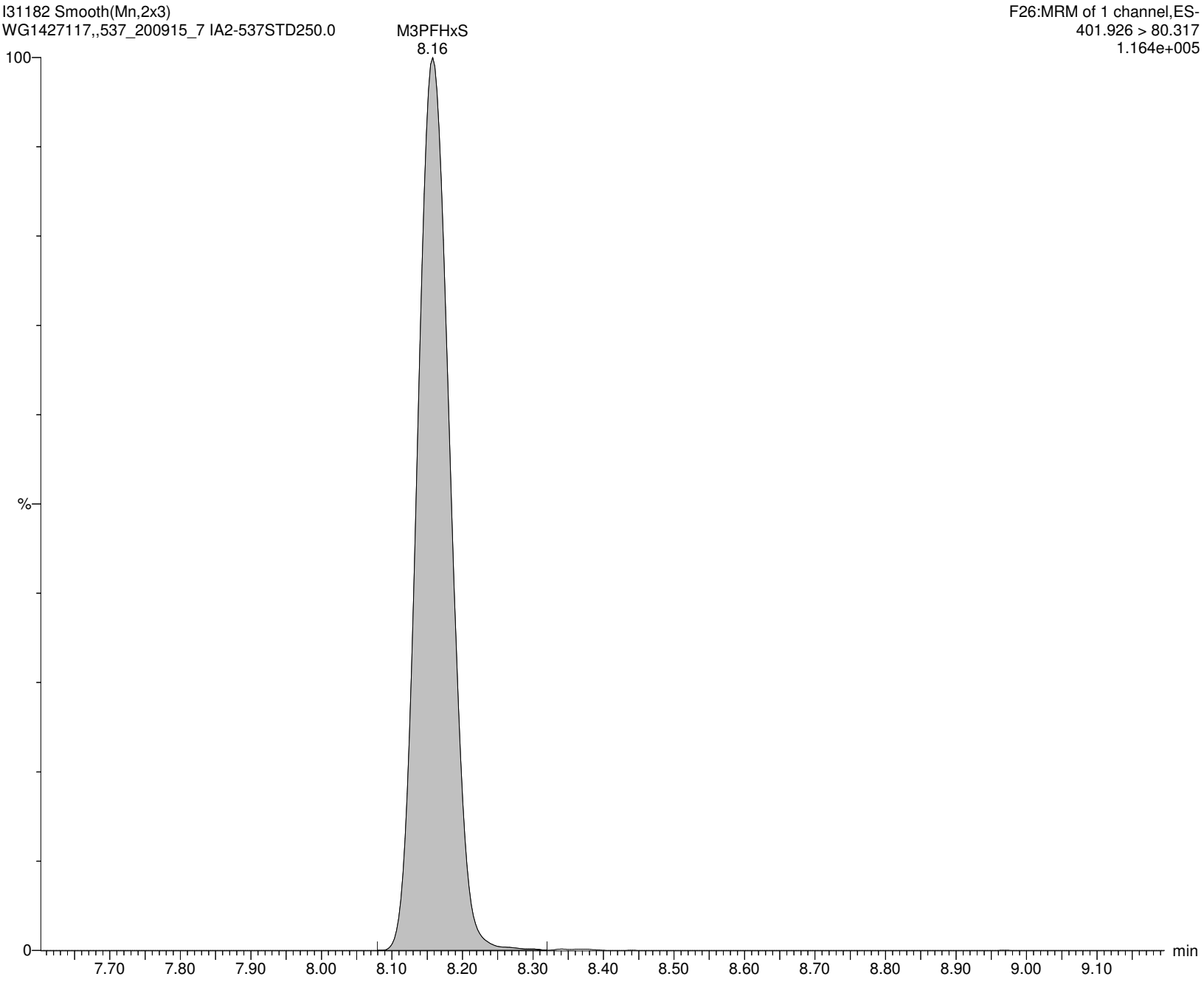

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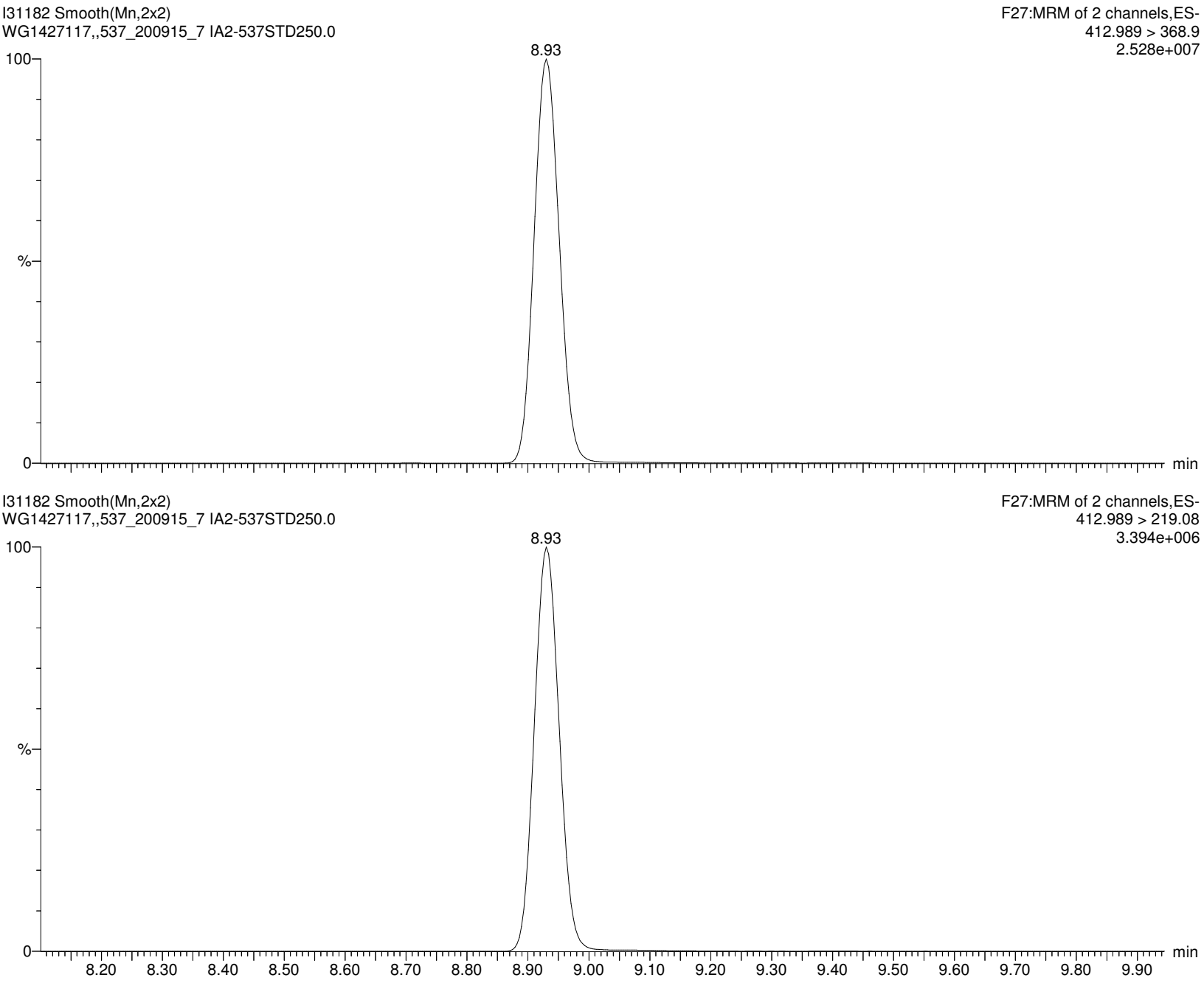
br-PFOA



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:15:59 Eastern Daylight Time

Name: I31182
ID: IA2-537STD250.0
Date: 27-Oct-2020
Time: 19:19:59
Description: WG1427117,,537_200915_7
User: LCMS02:JW
Vial: 1:A,8
Instrument: XEVO-TQSmicro#QEB0050
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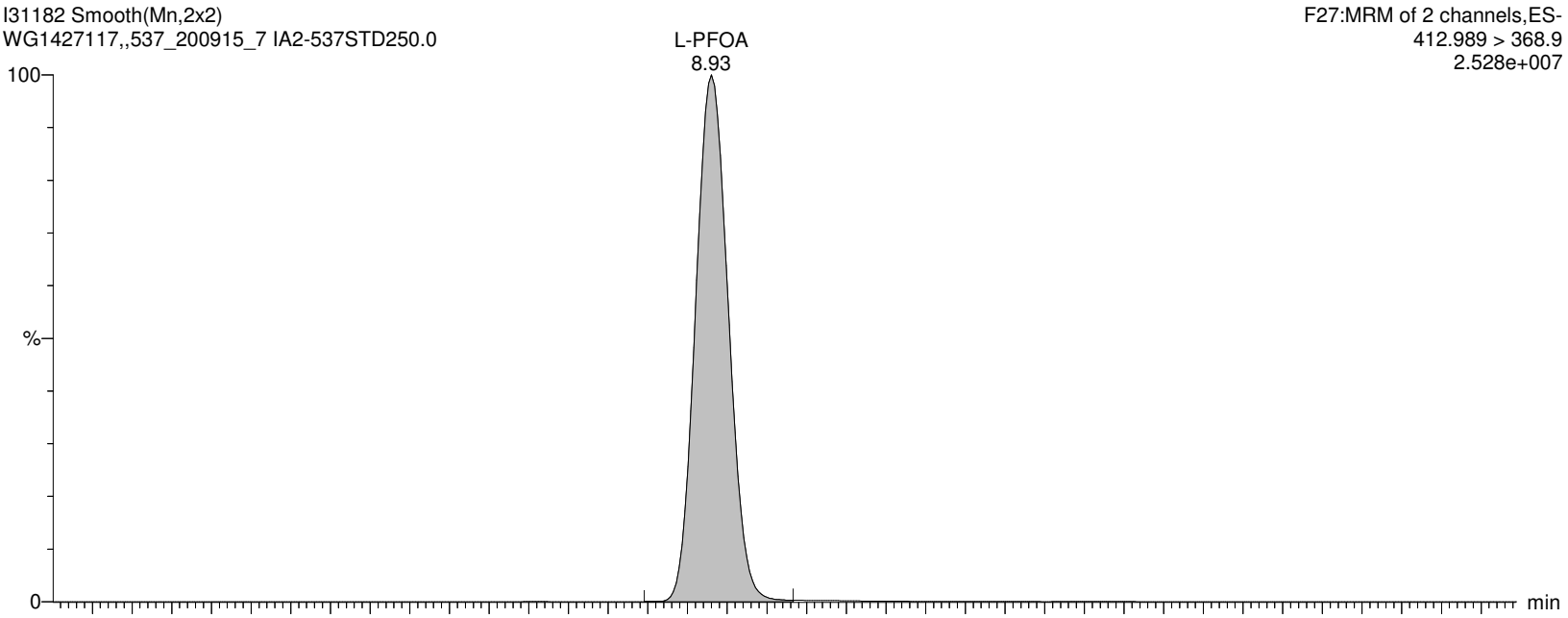

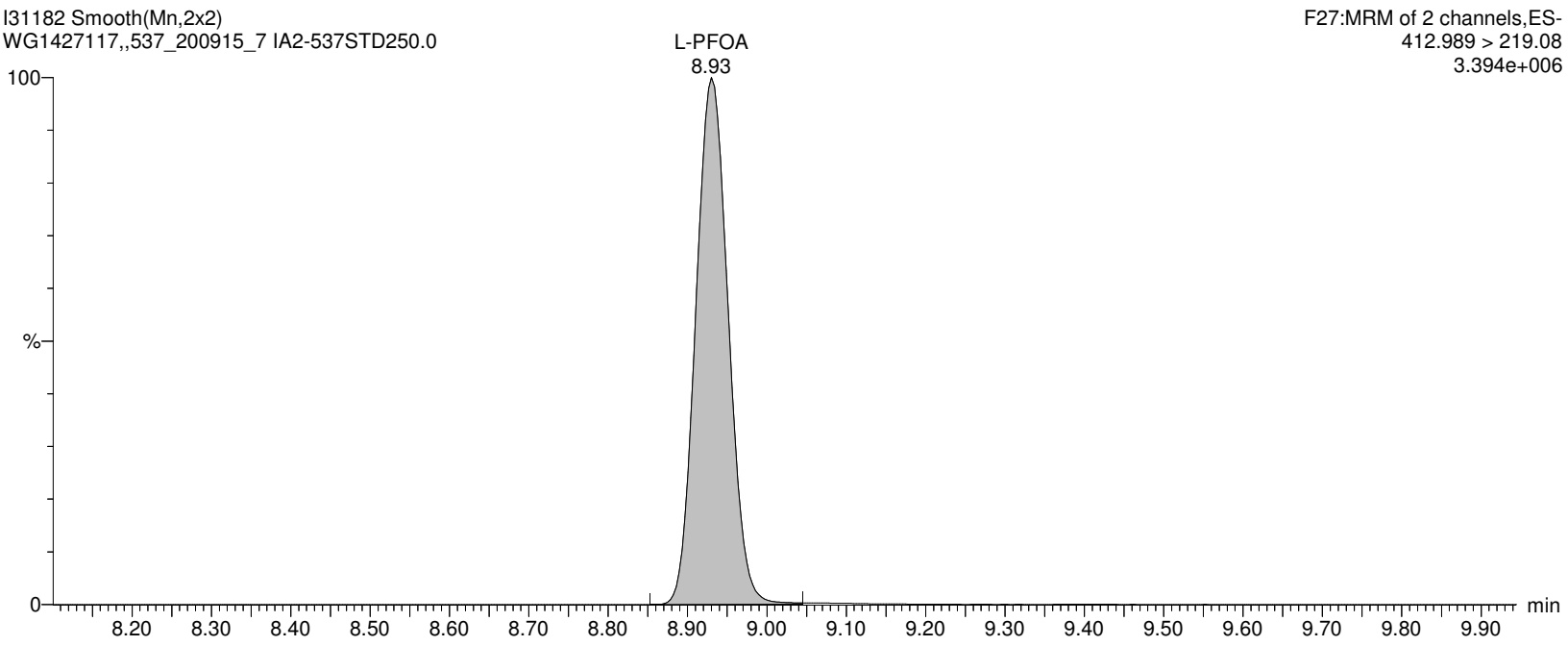

all concentration units in (ng/mL)

Alpha Analytical Inc.
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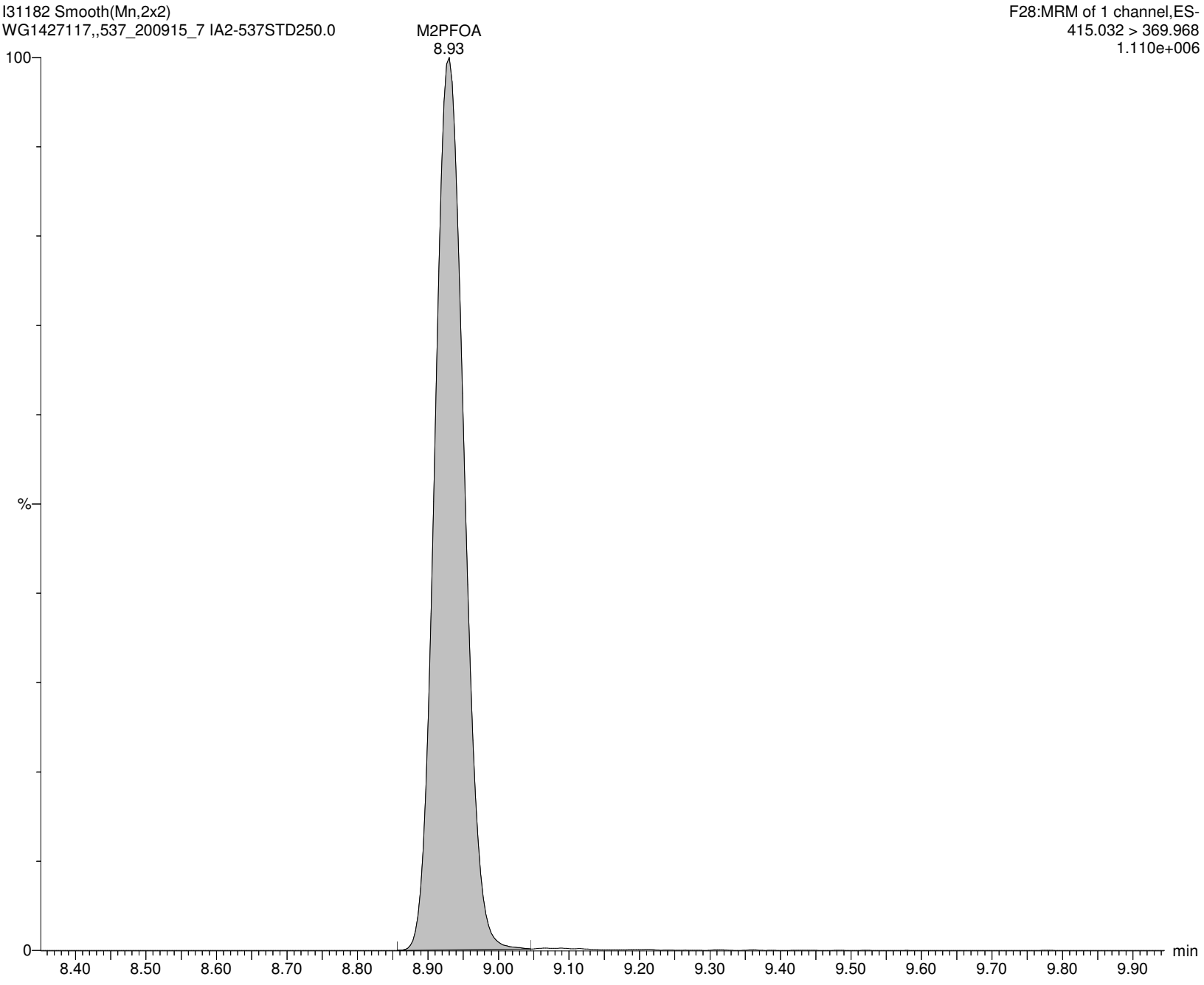

all concentration units in (ng/mL)

Alpha Analytical Inc.
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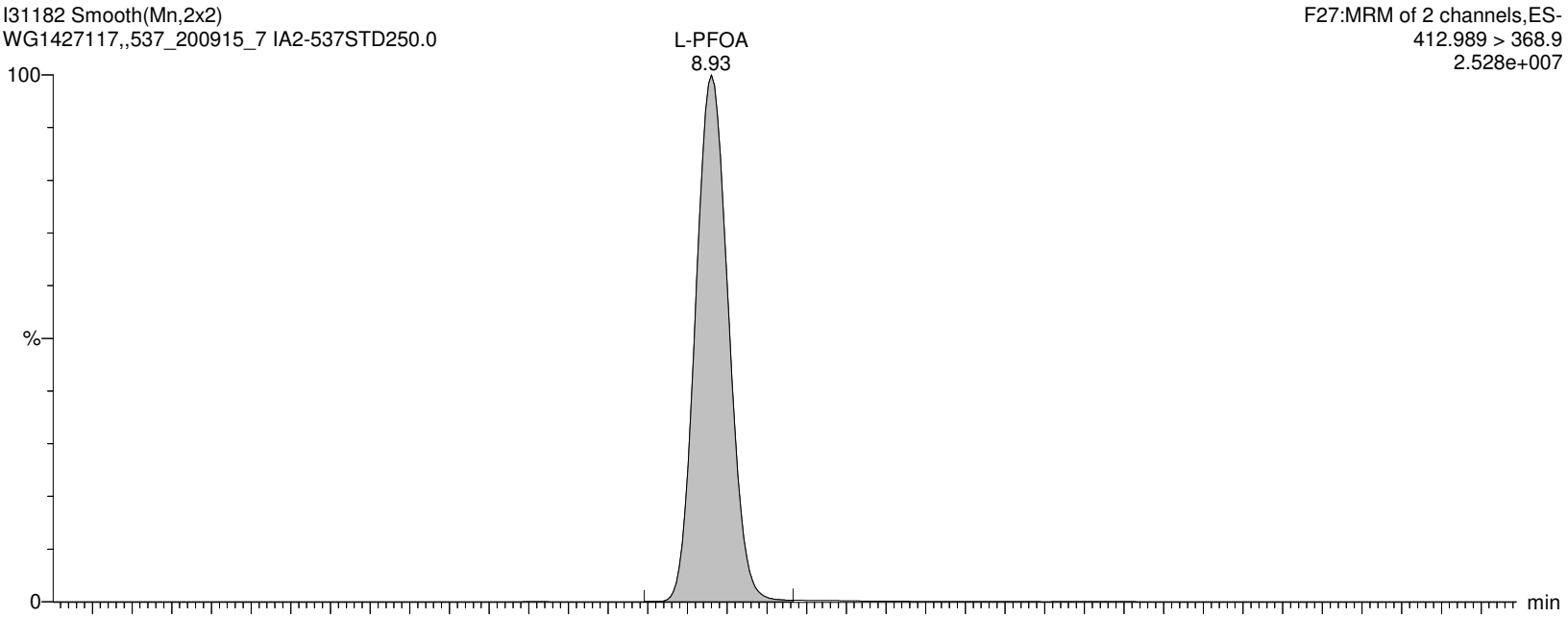

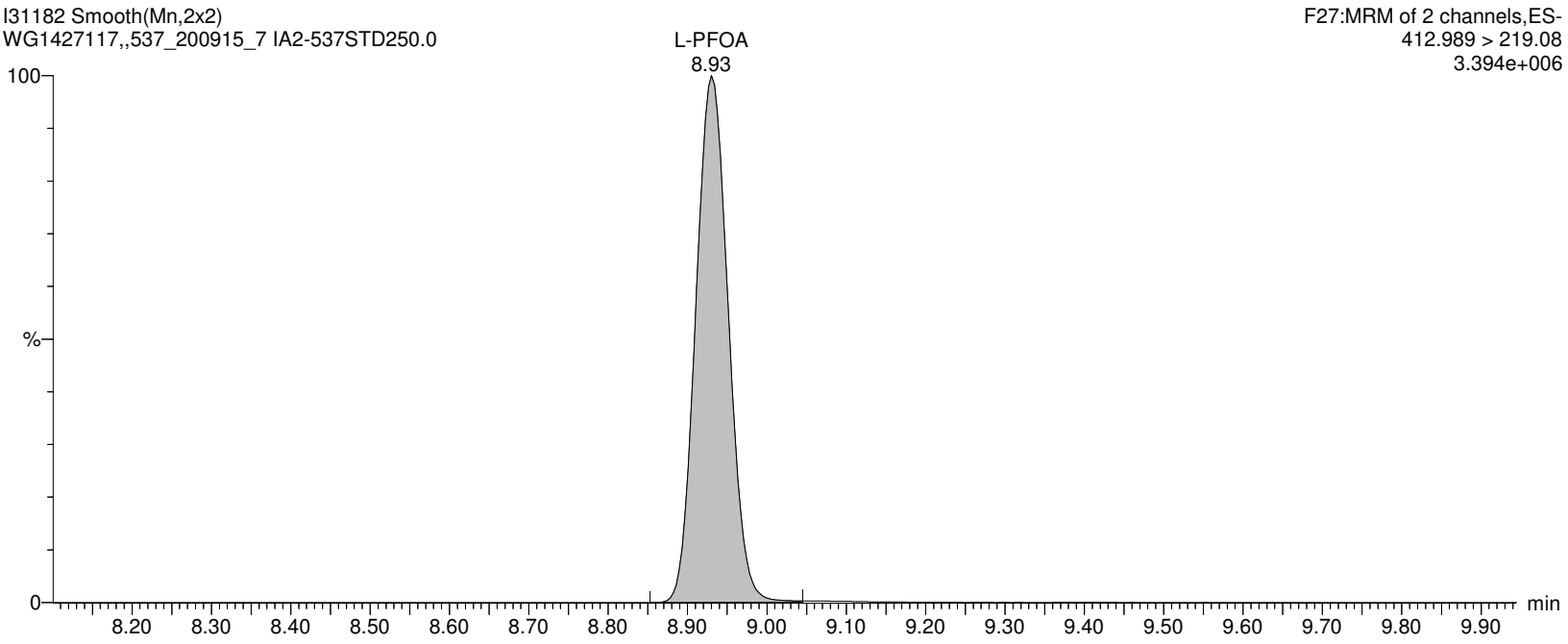

all concentration units in (ng/mL)

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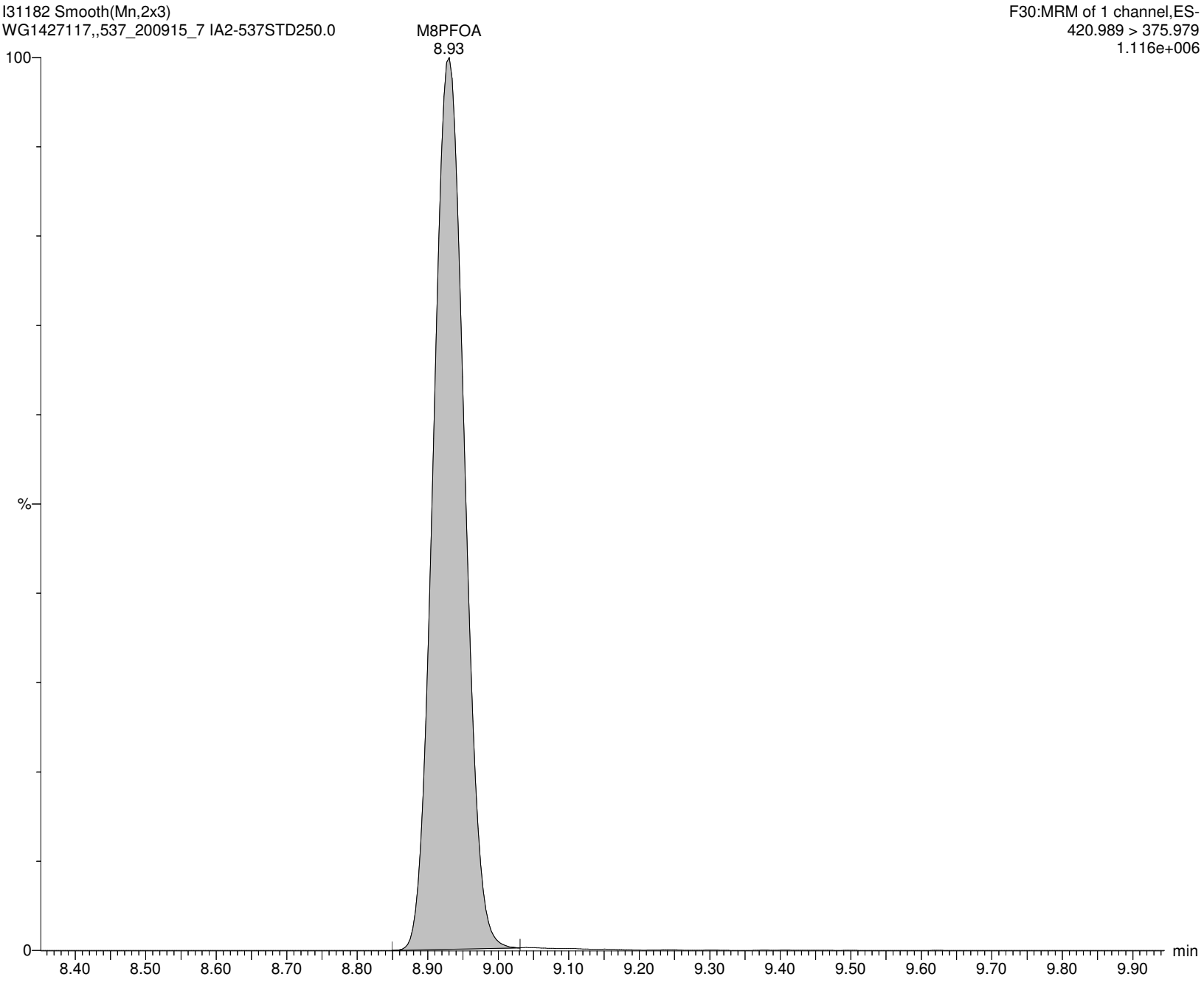

all concentration units in (ng/mL)

Alpha Analytical Inc.
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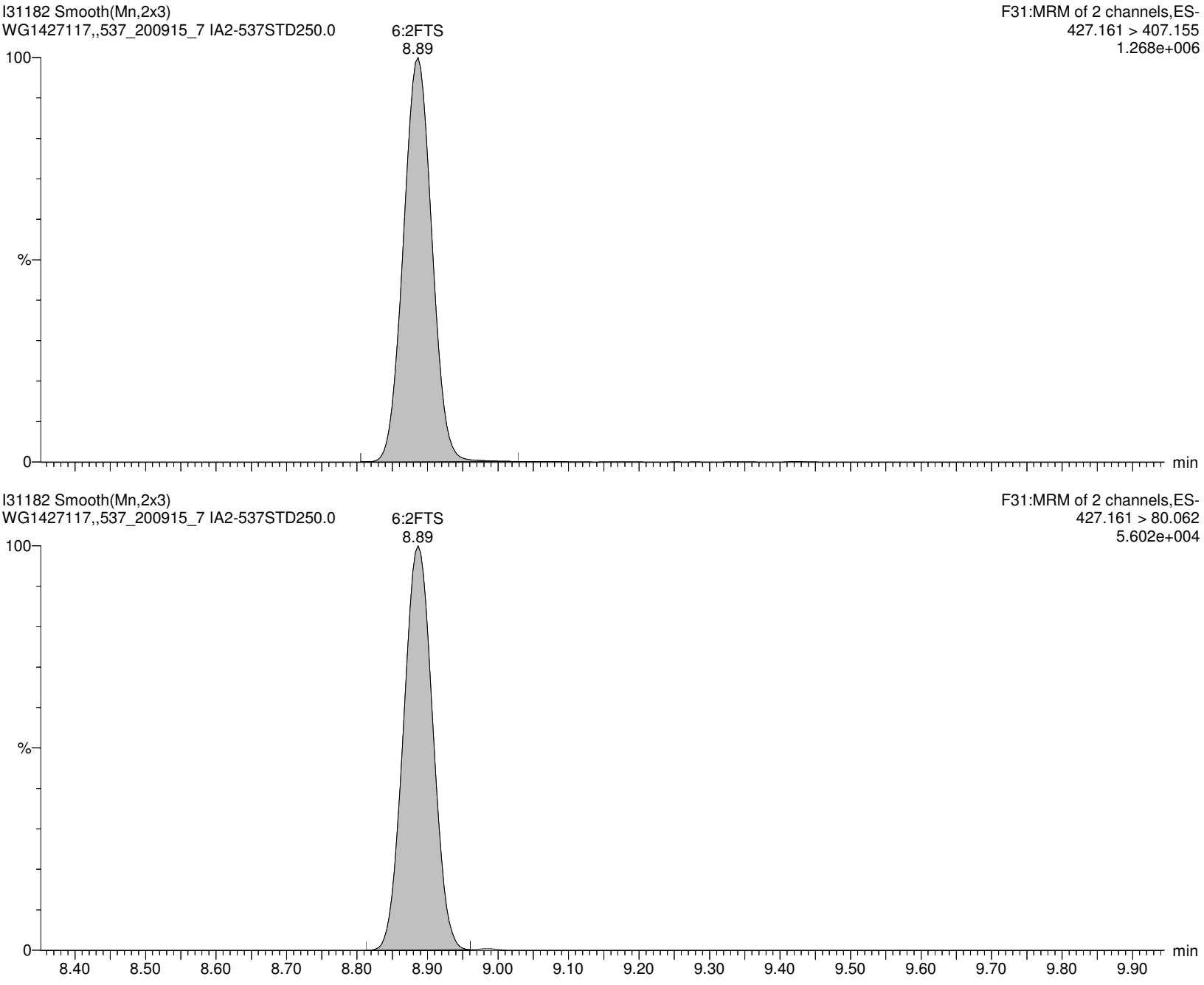

all concentration units in (ng/mL)

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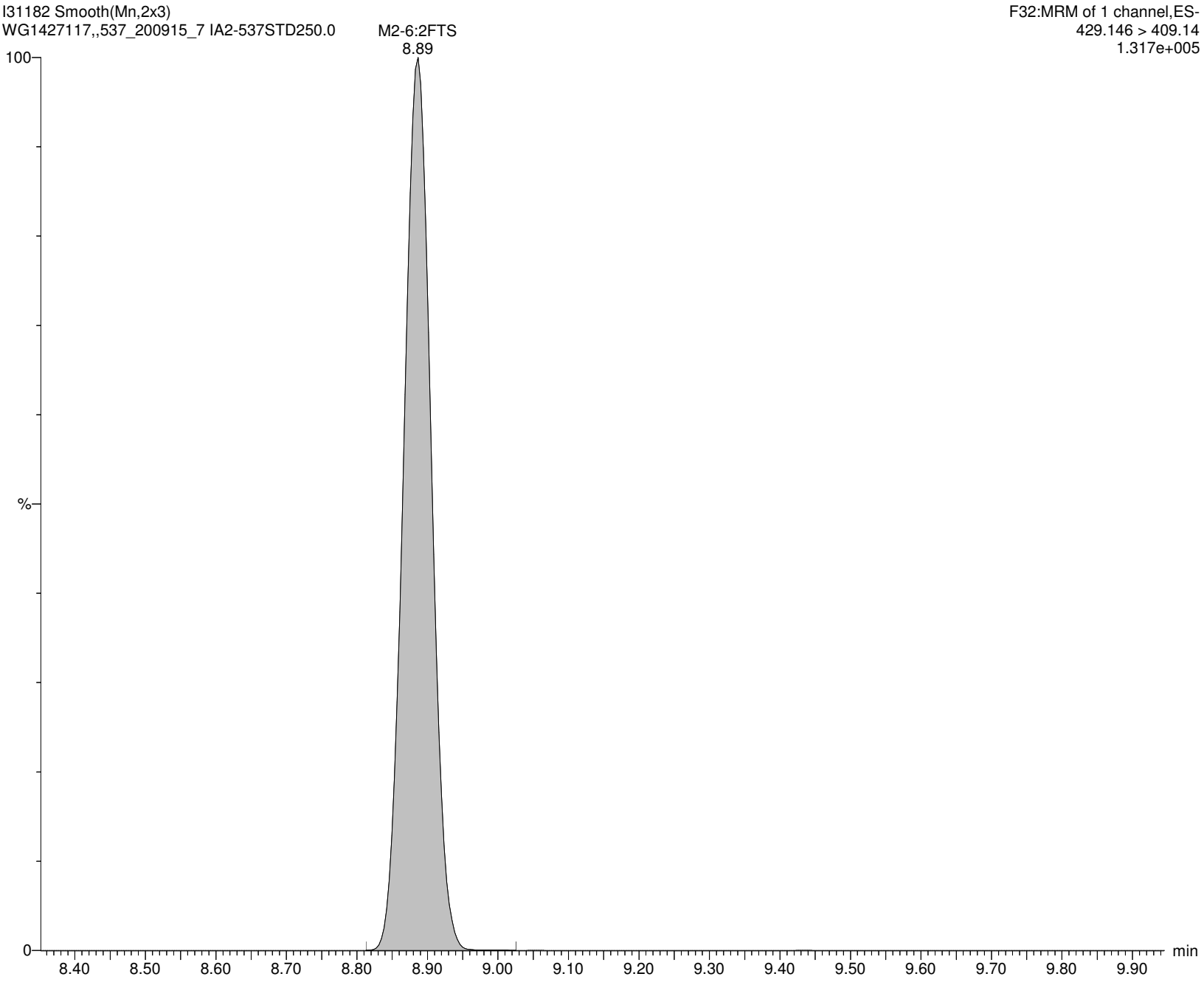

all concentration units in (ng/mL)

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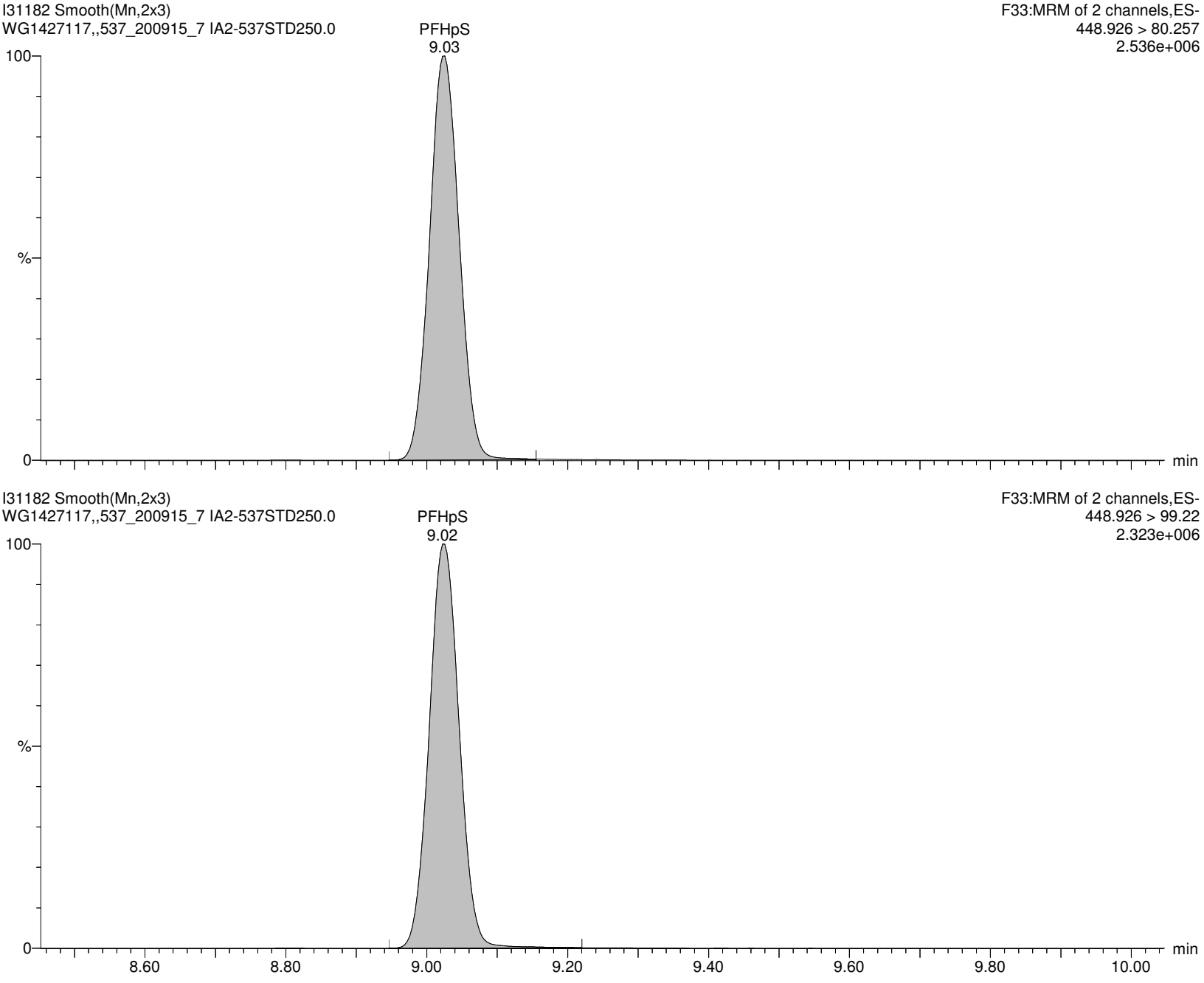

all concentration units in (ng/mL)

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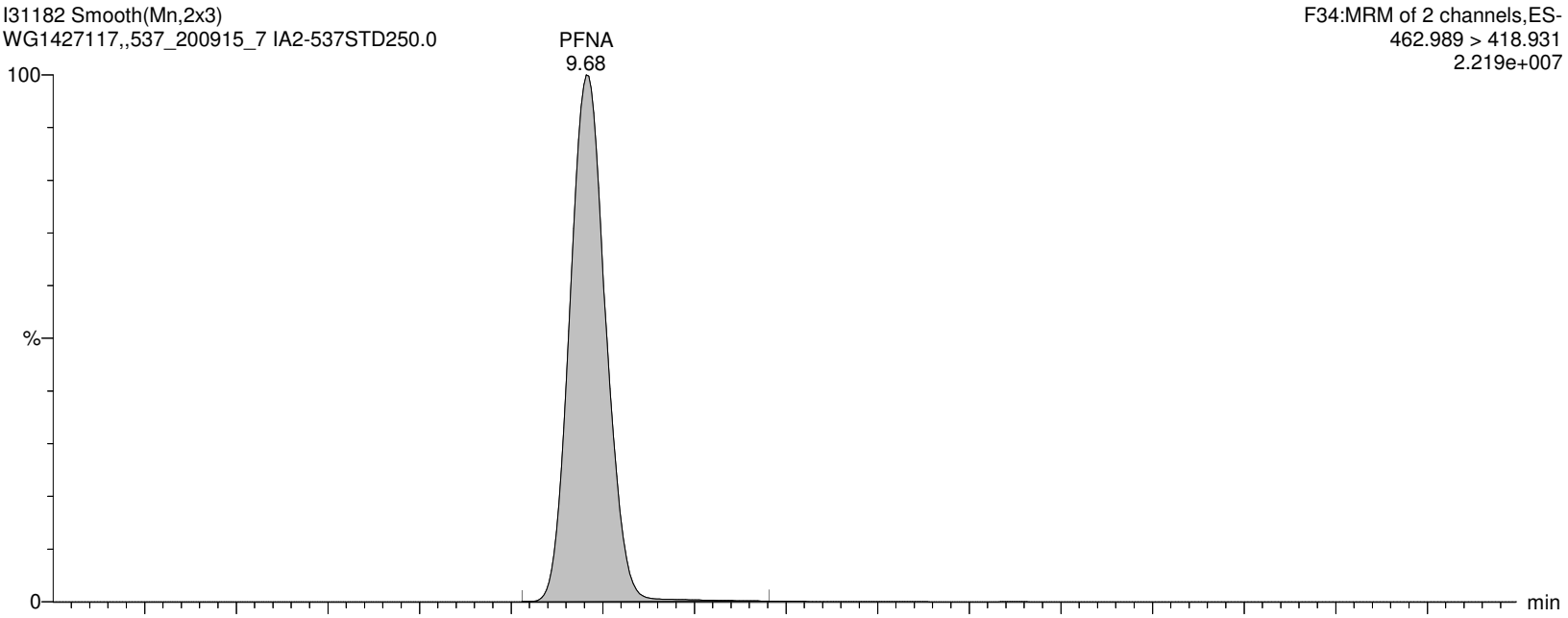

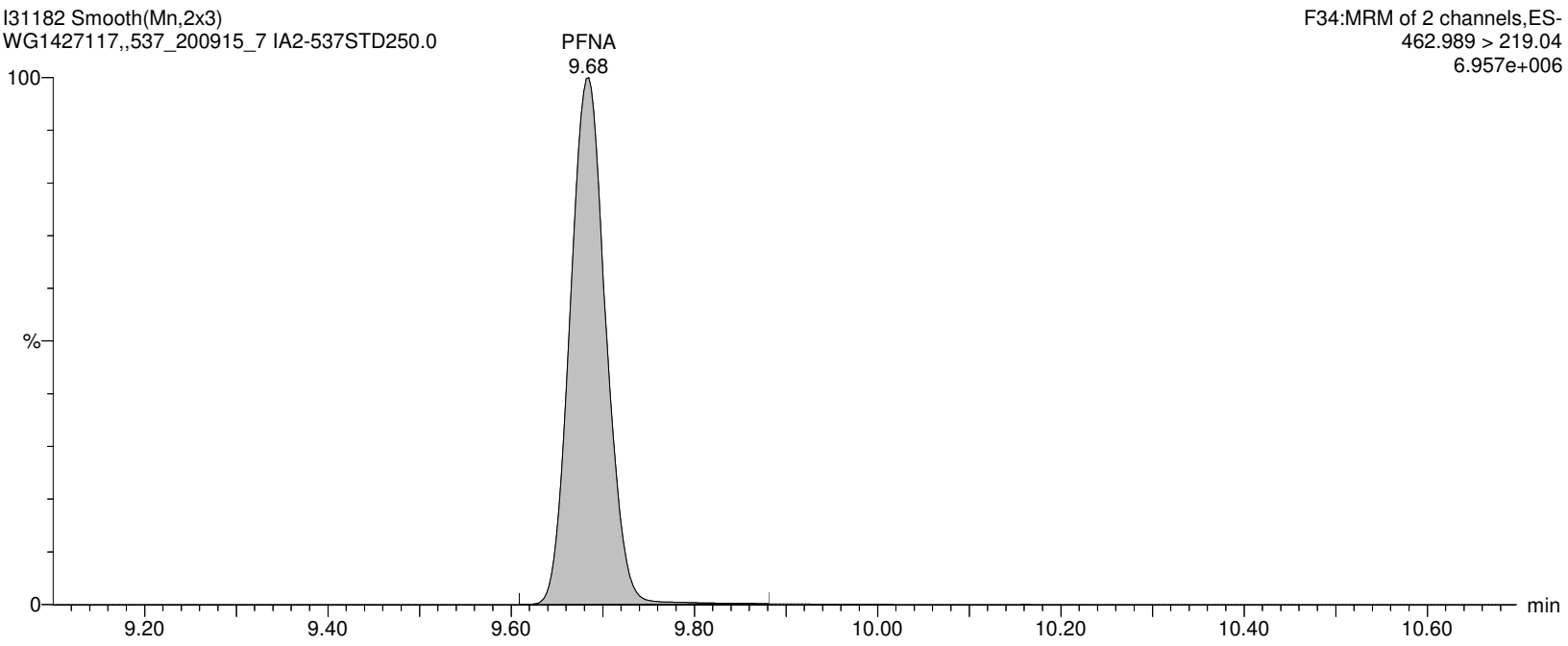

all concentration units in (ng/mL)

Alpha Analytical Inc.
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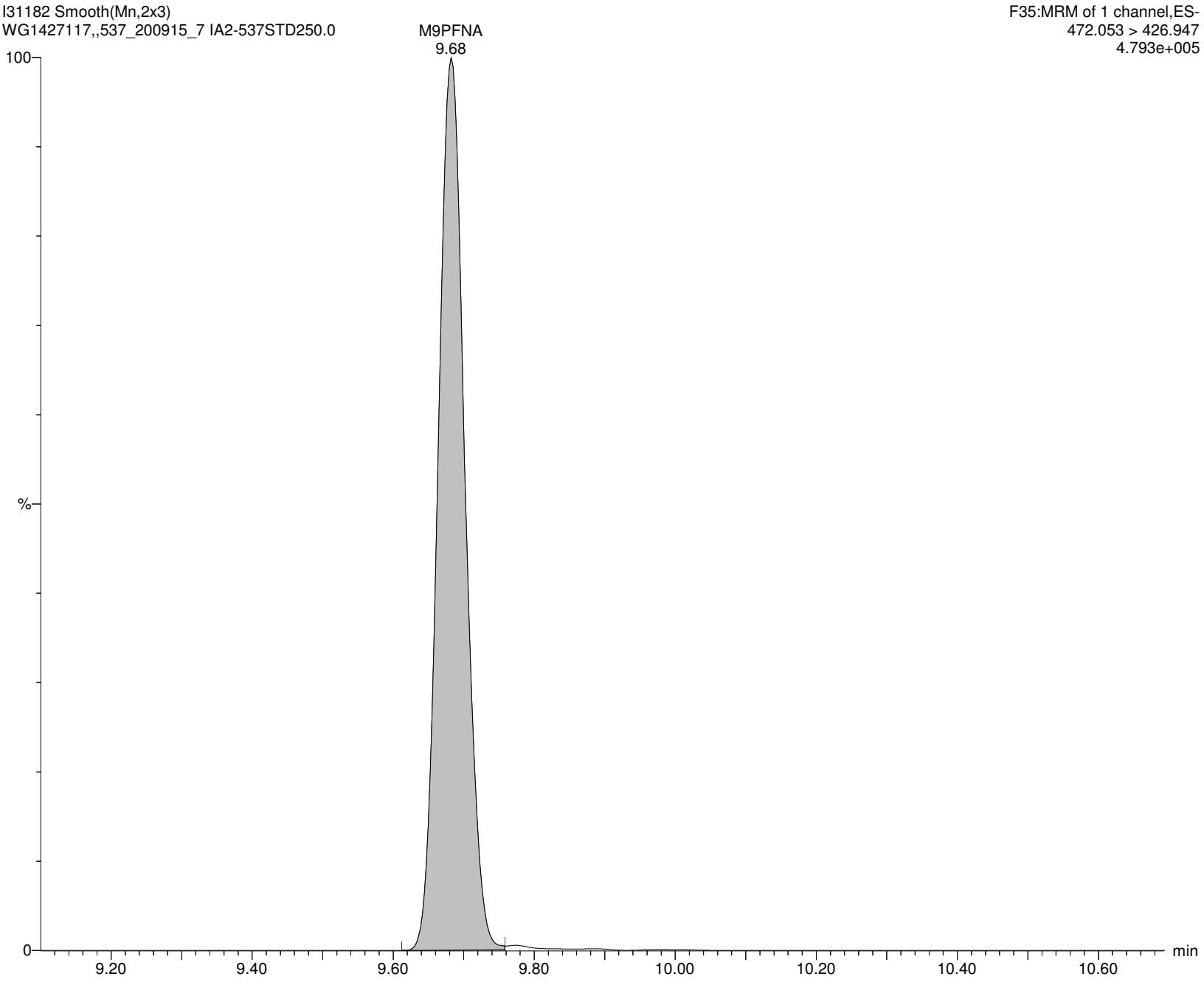

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
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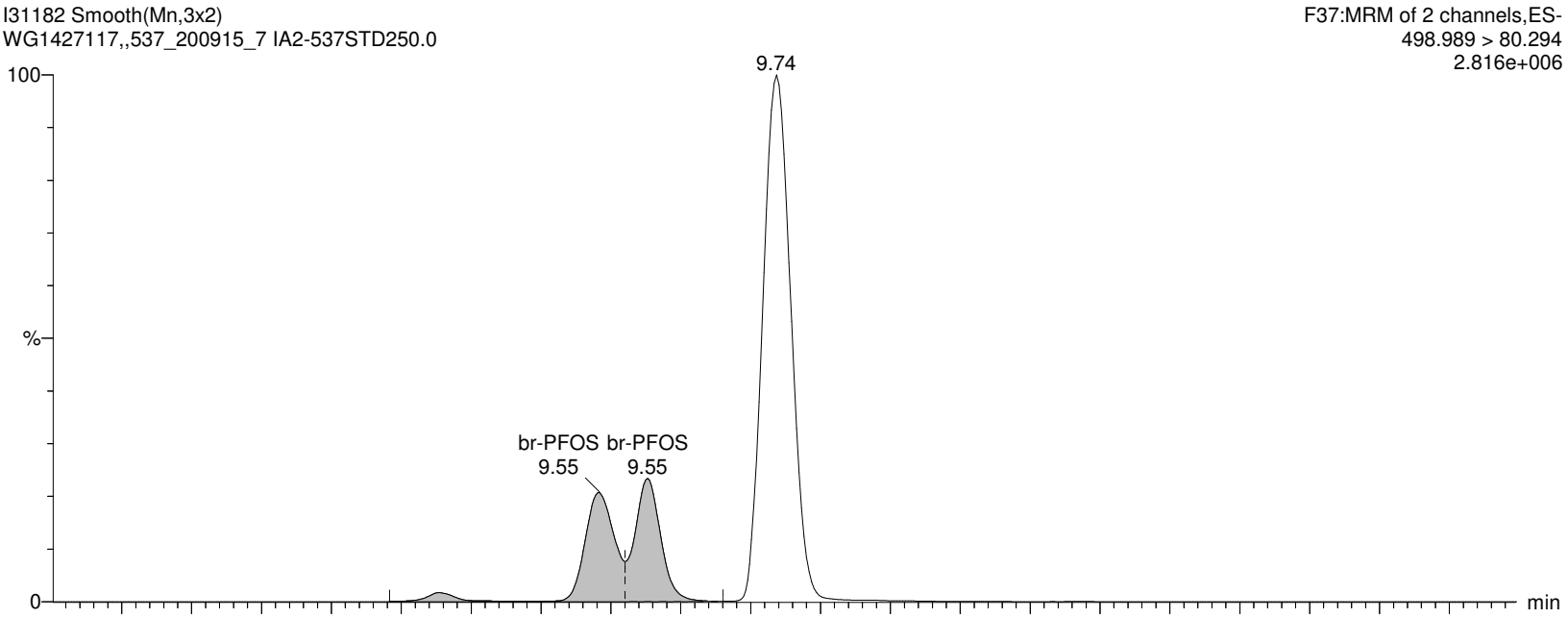

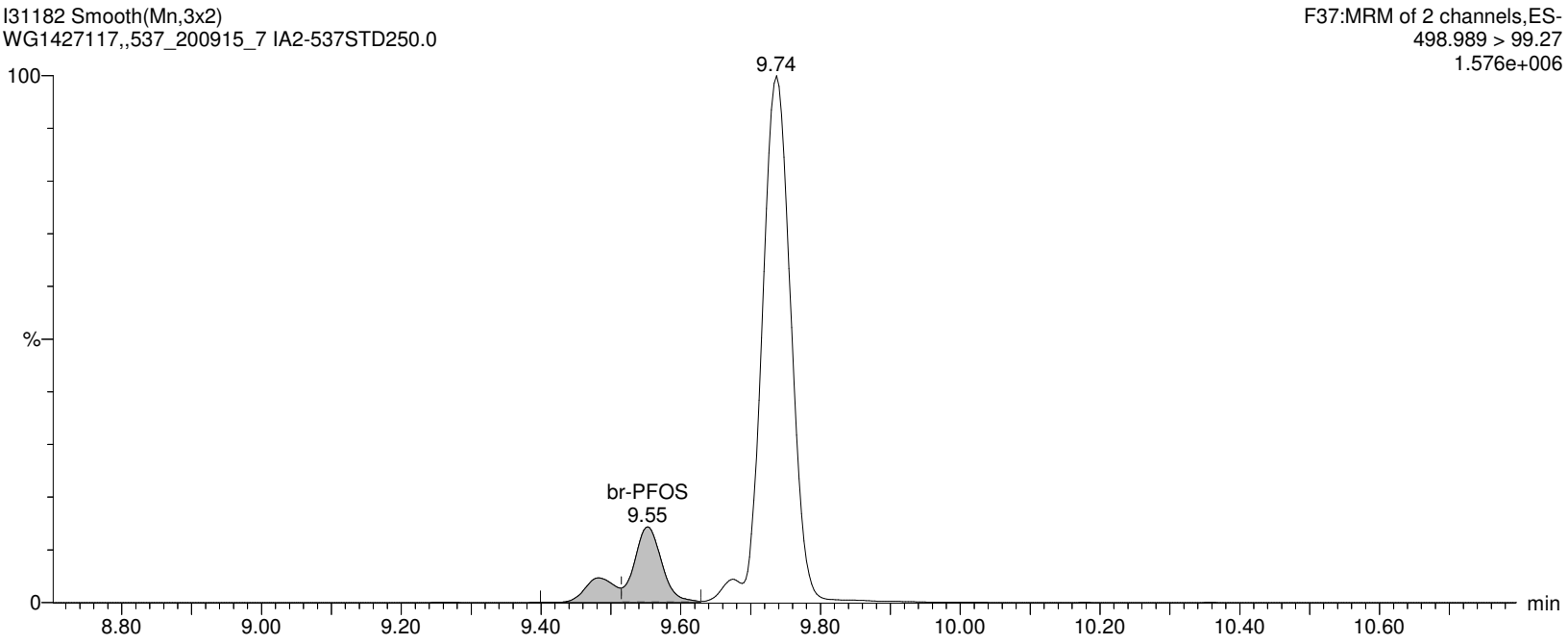

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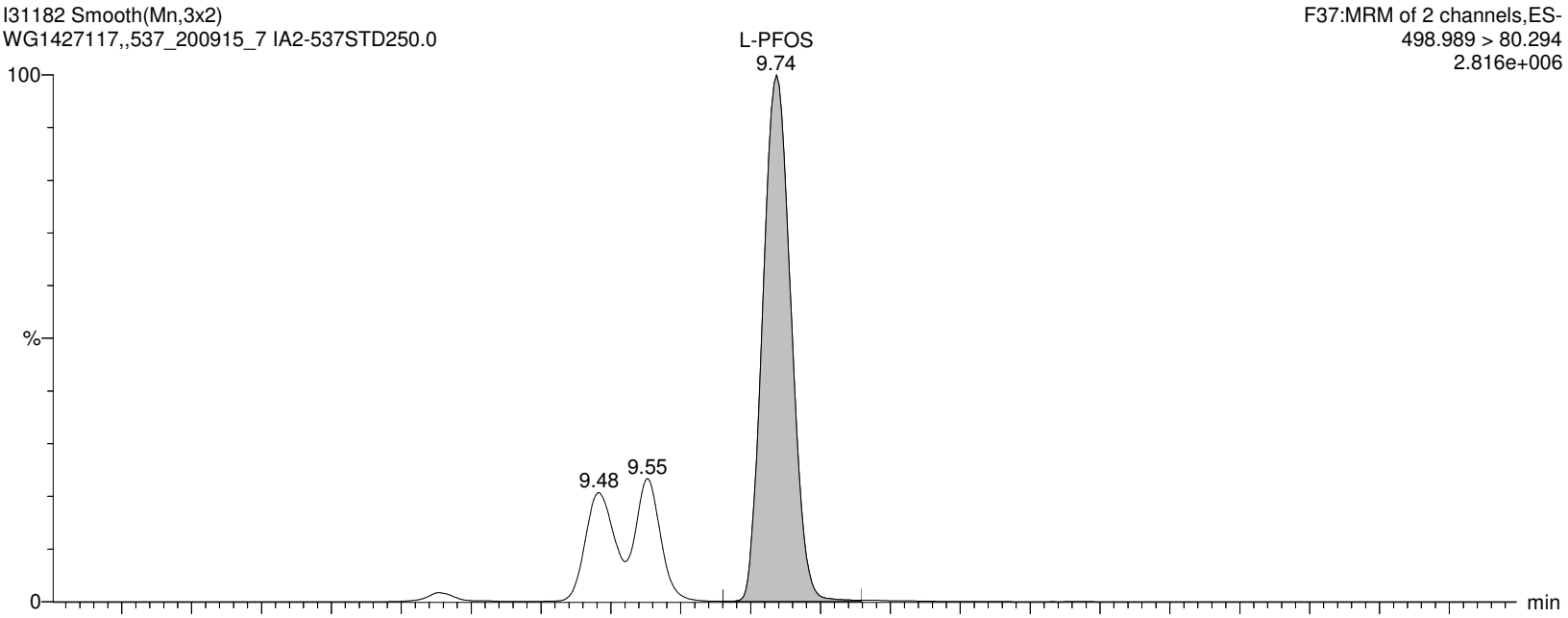

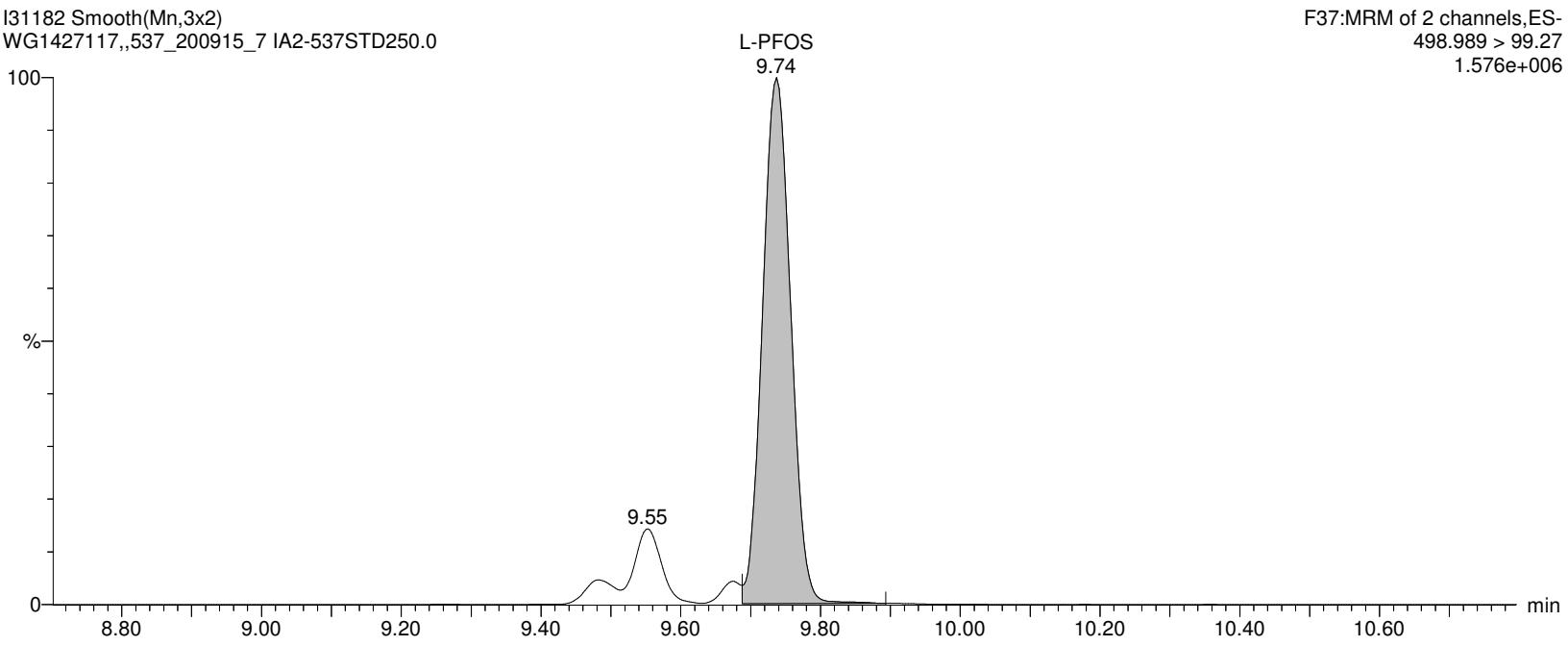

all concentration units in (ng/mL)

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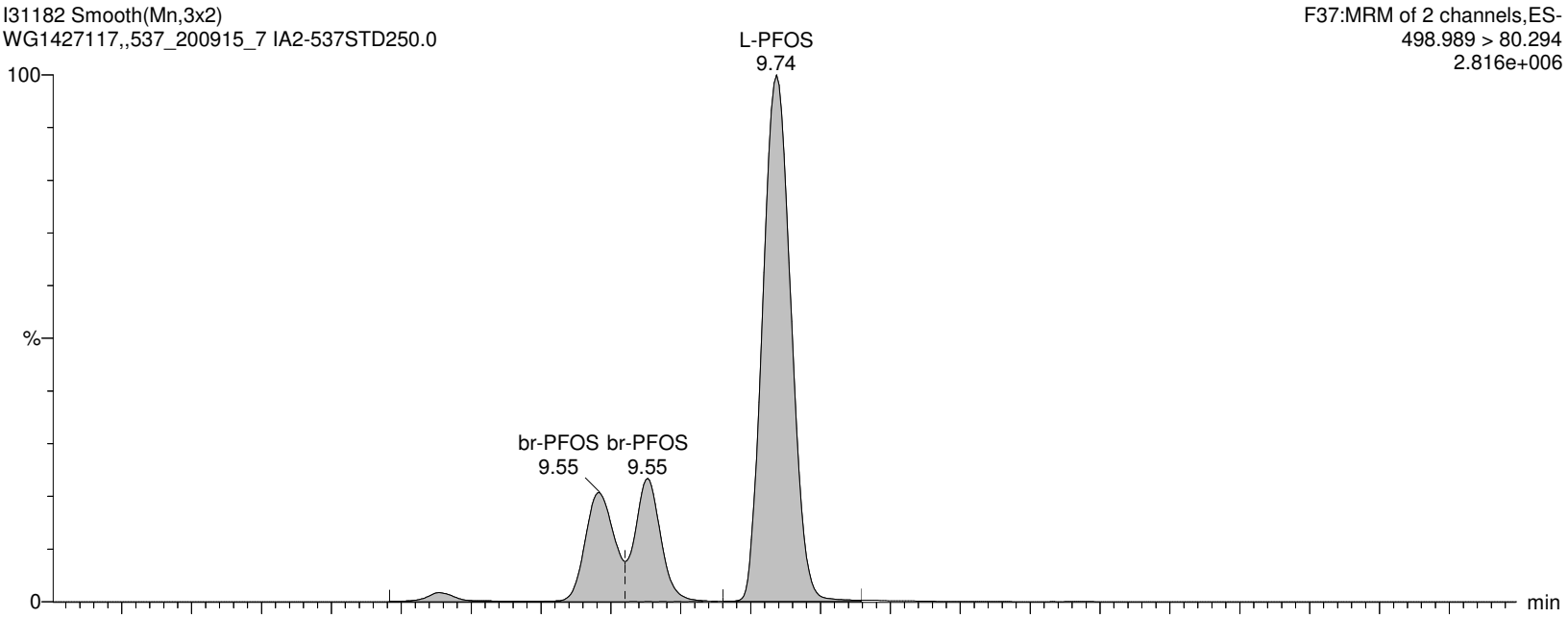

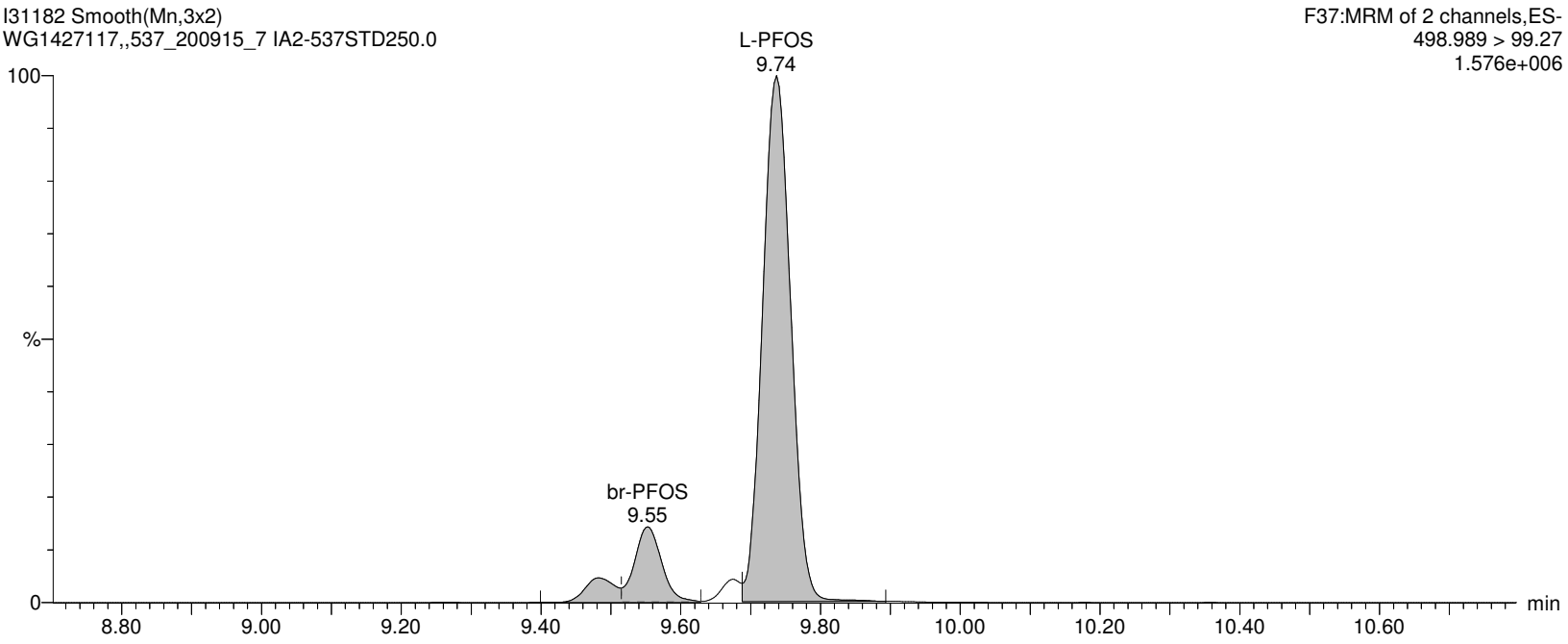

all concentration units in (ng/mL)

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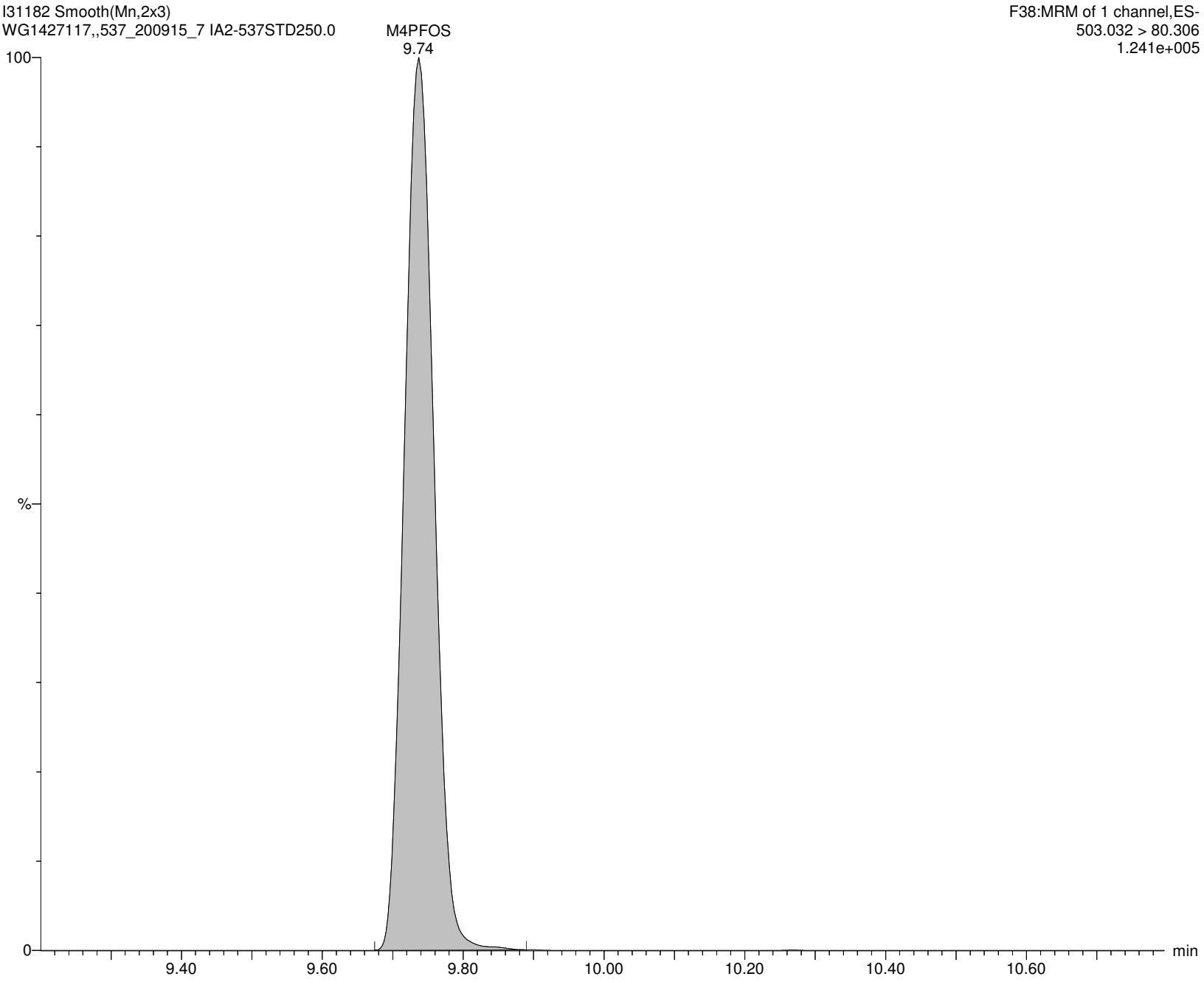

all concentration units in (ng/mL)

Alpha Analytical Inc.
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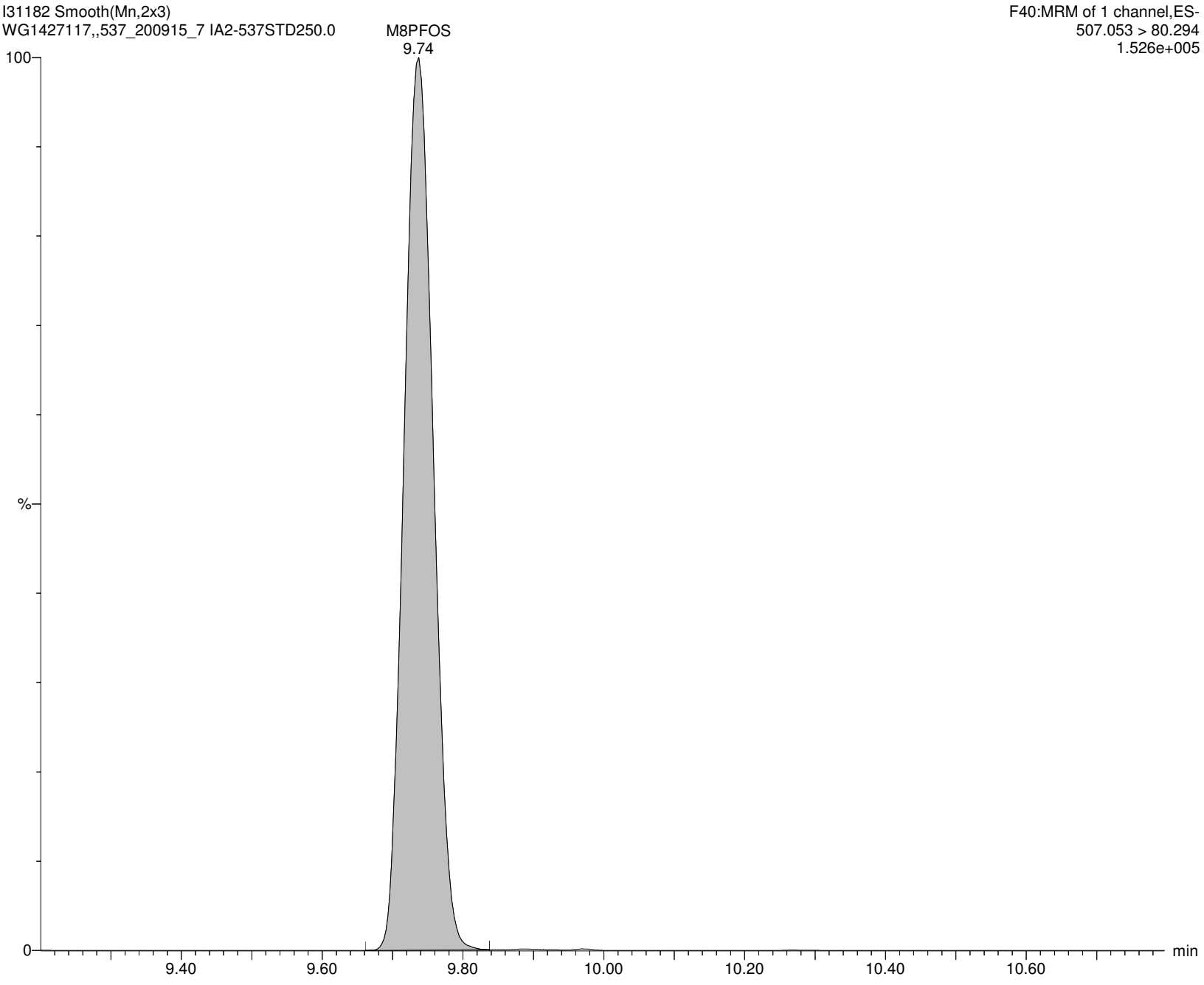

all concentration units in (ng/mL)

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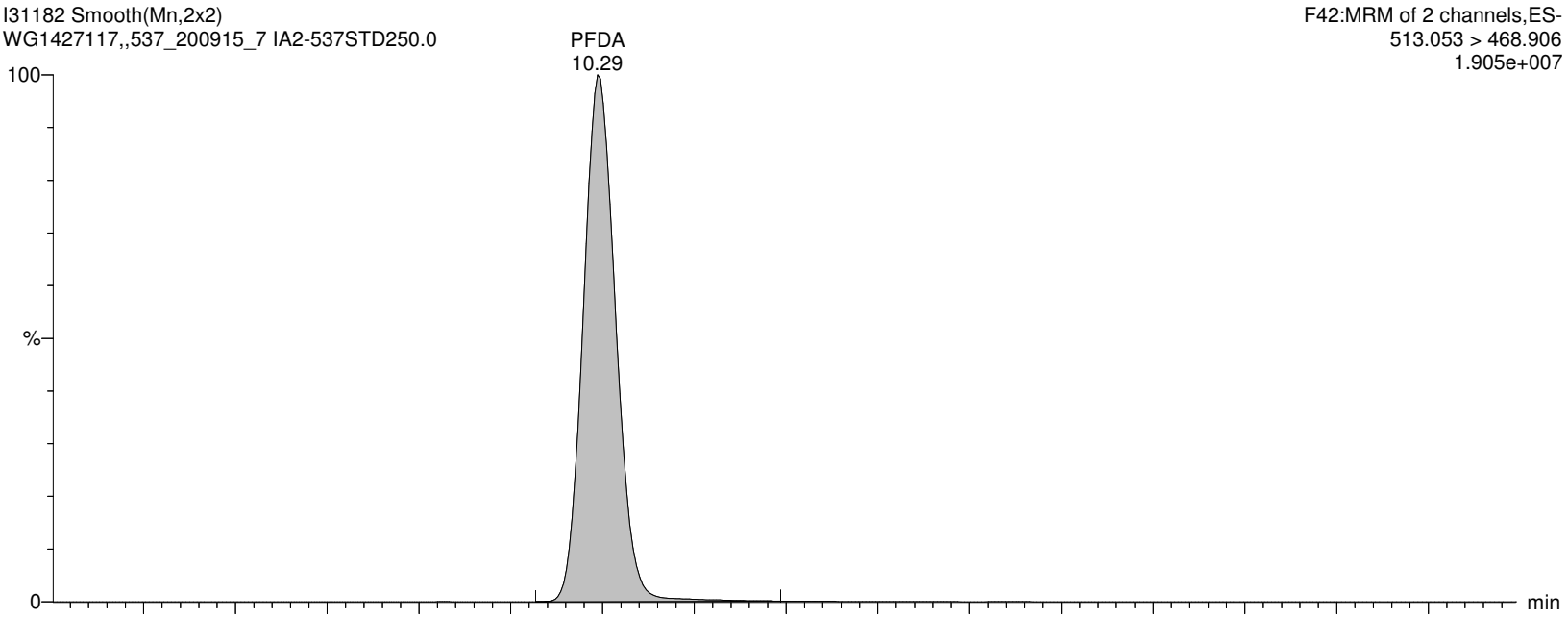

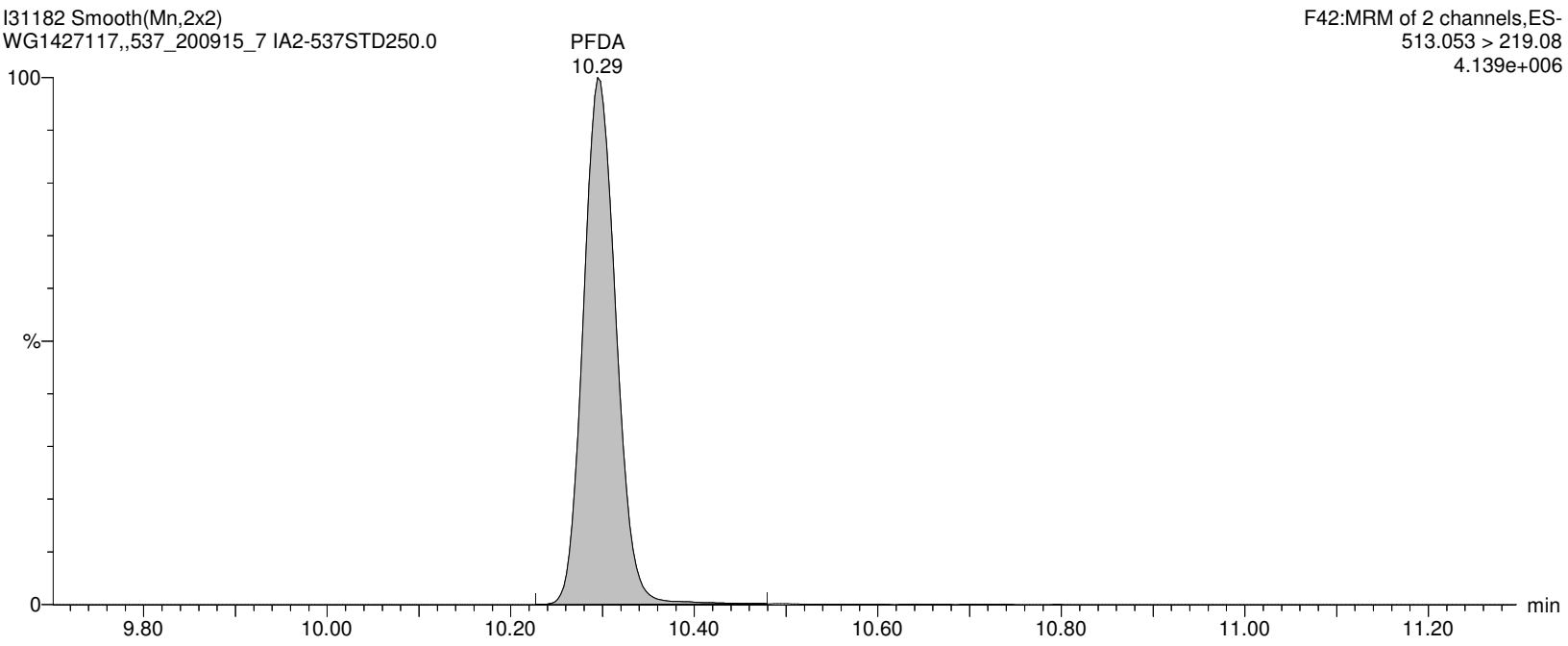

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Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
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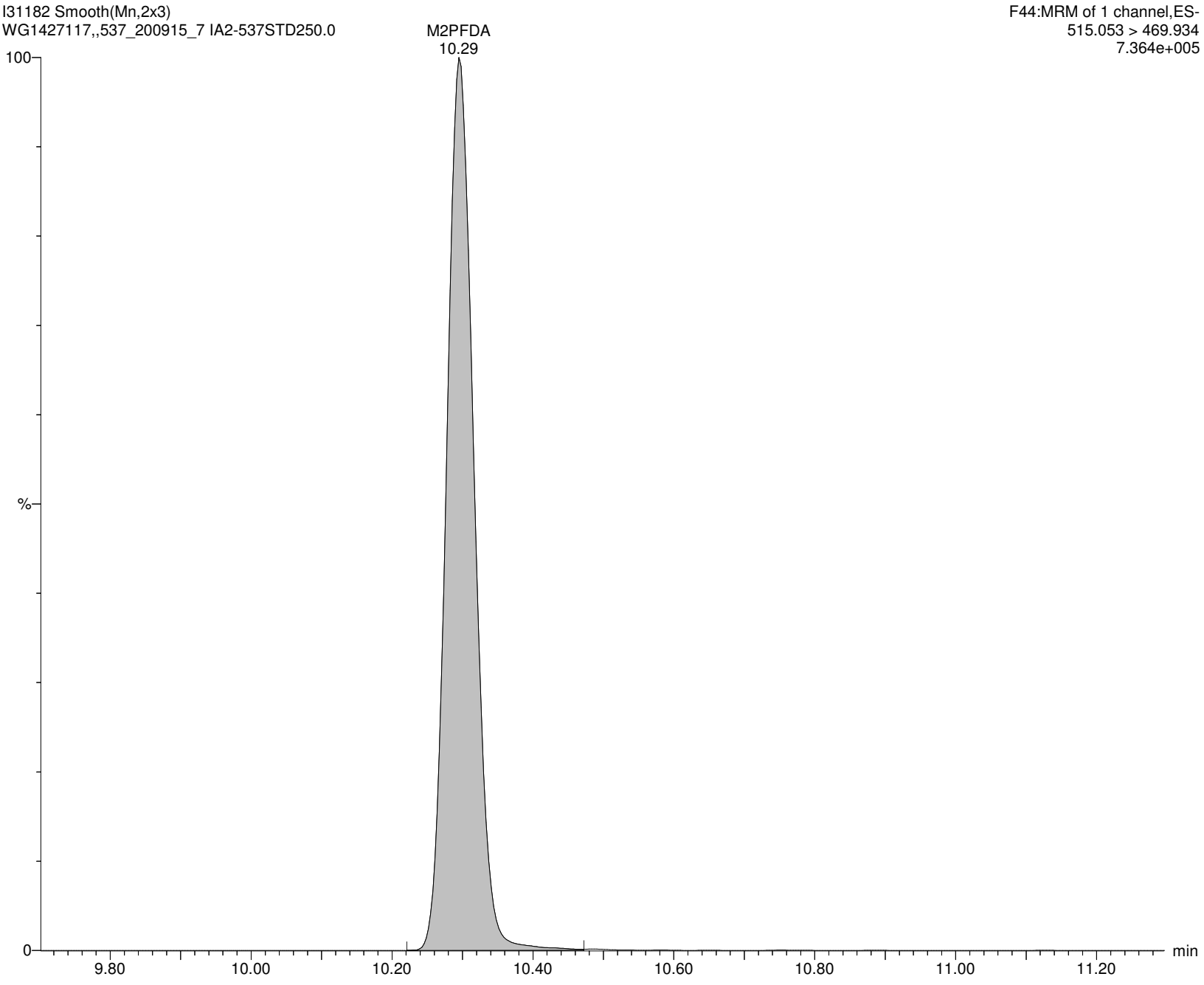

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:15:59 Eastern Daylight Time

Name: I31182
ID: IA2-537STD250.0
Date: 27-Oct-2020
Time: 19:19:59
Description: WG1427117,,537_200915_7
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Instrument: XEVO-TQSmicro#QEB0050
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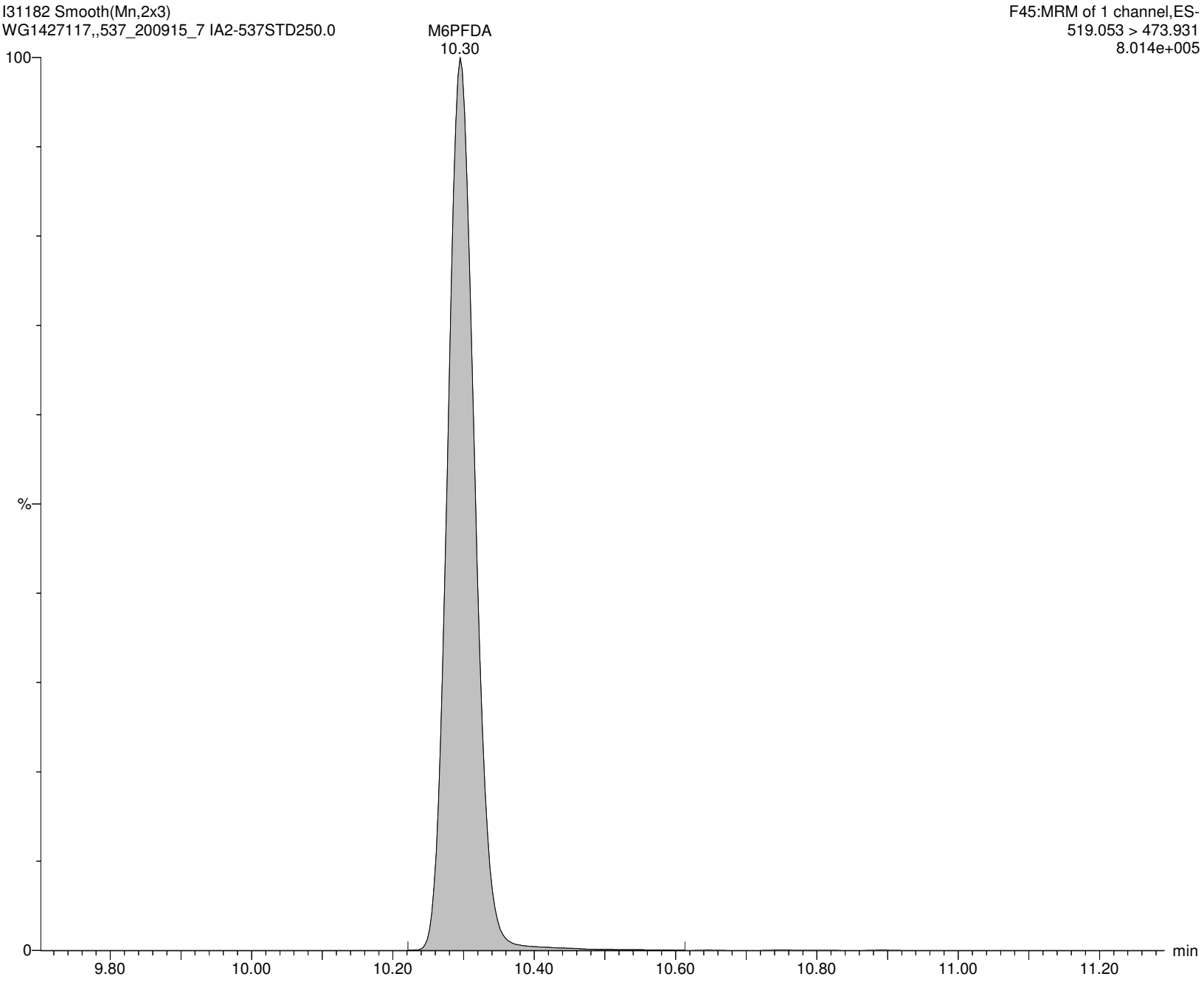

all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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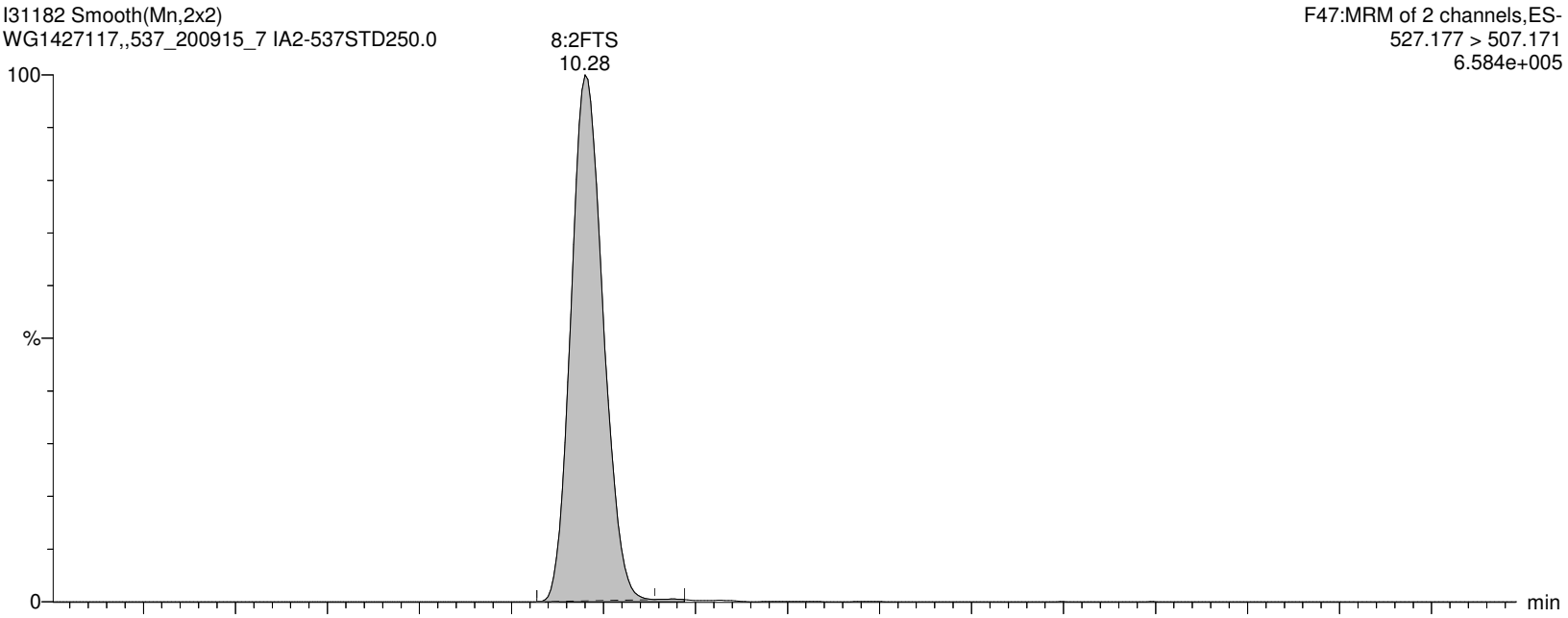
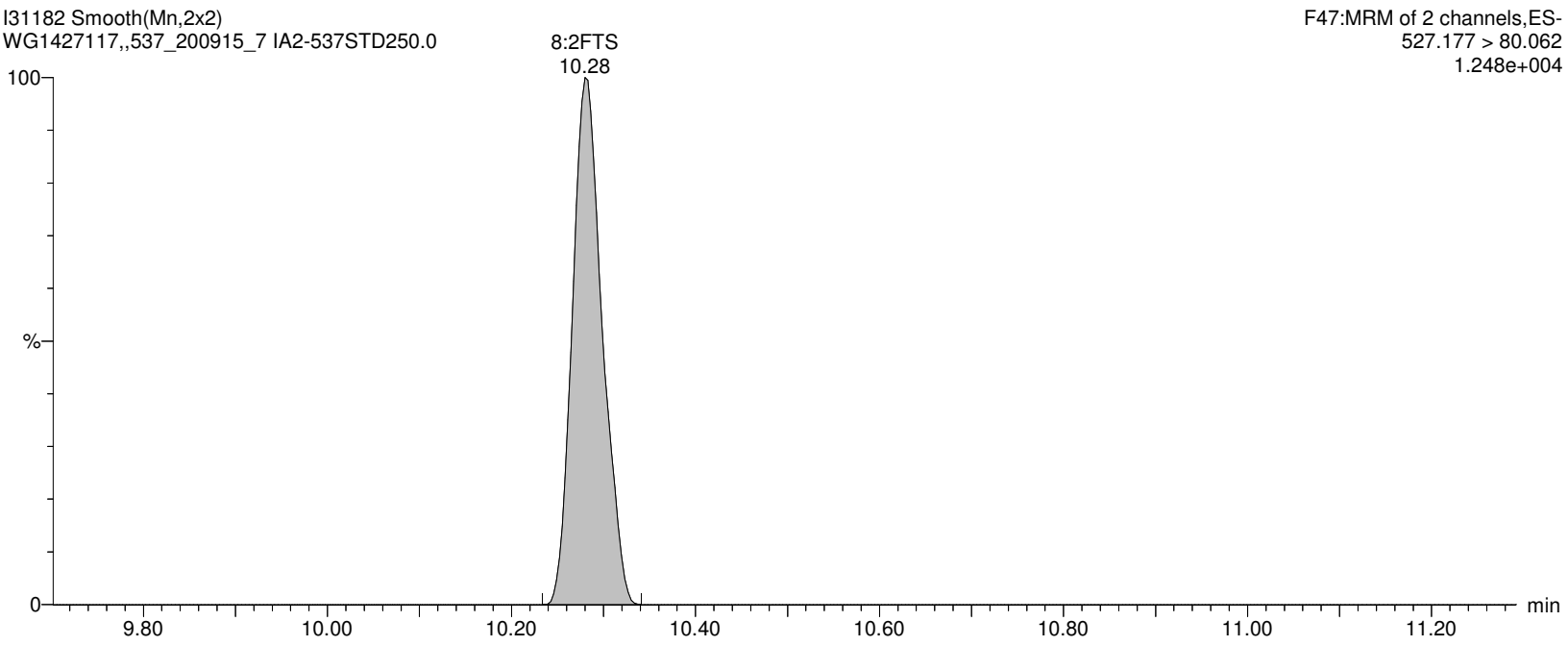
8:2FTS





all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
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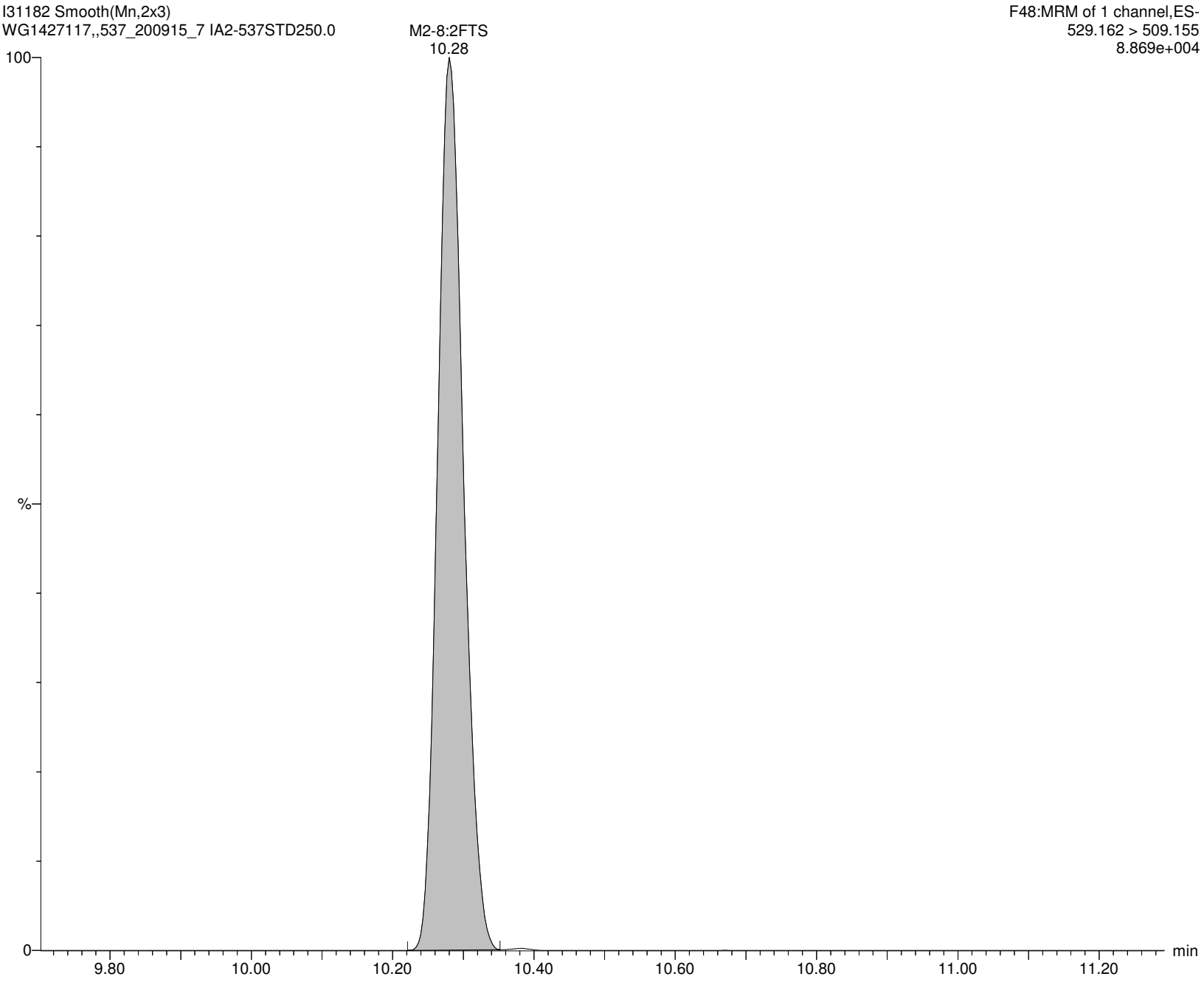
M2-8:2FTS



all concentration units in (ng/mL)

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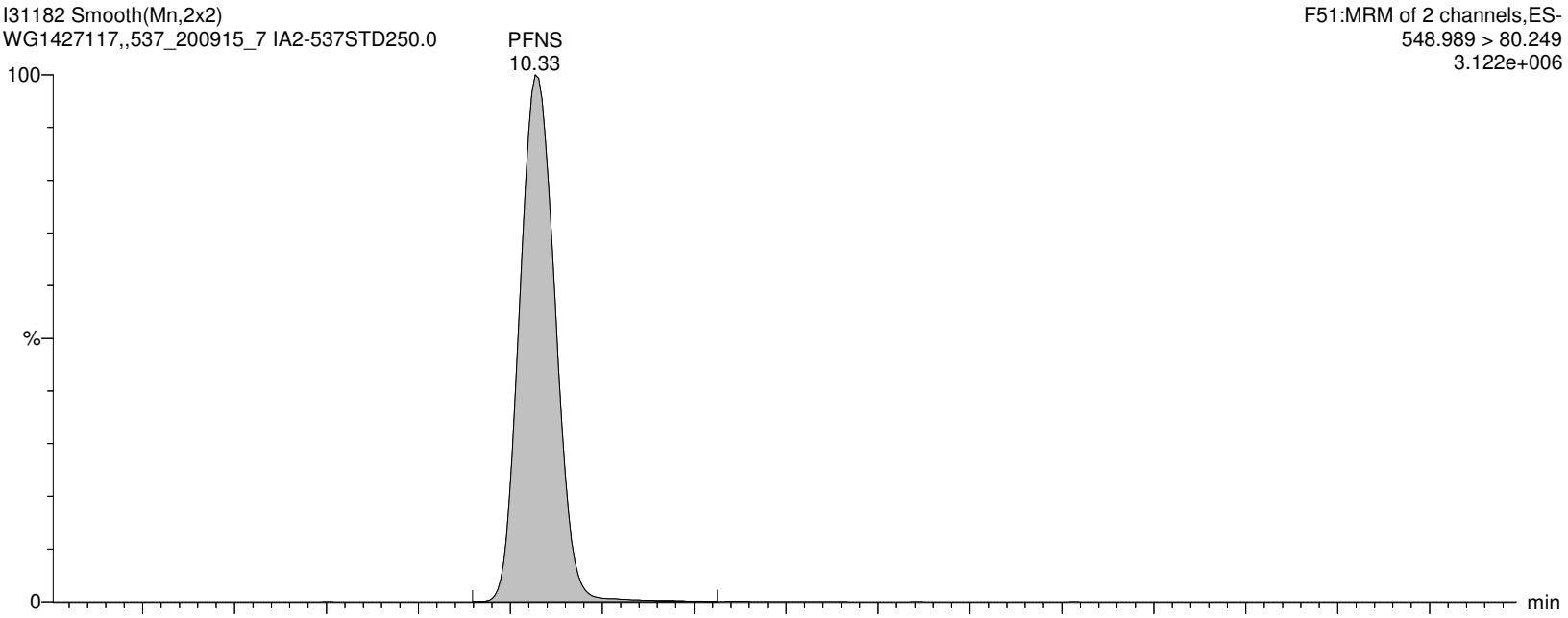

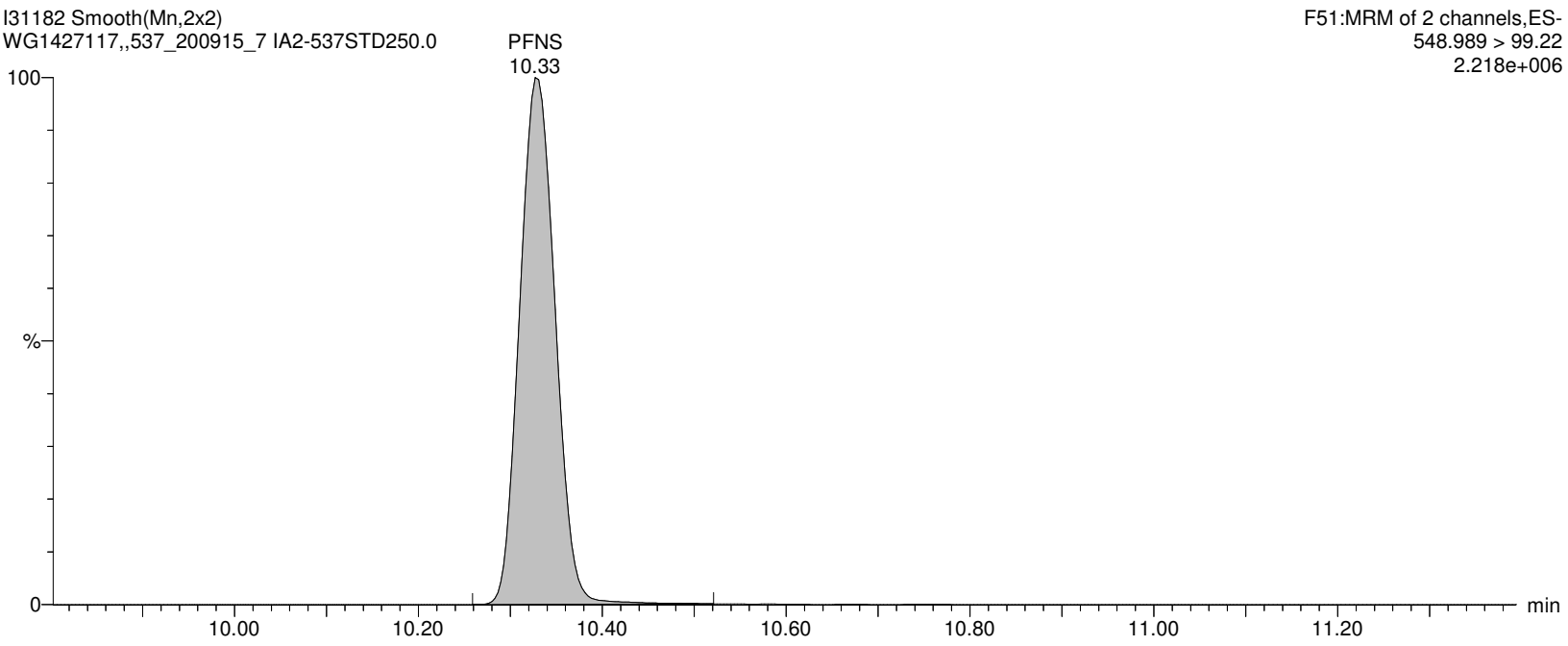

all concentration units in (ng/mL)

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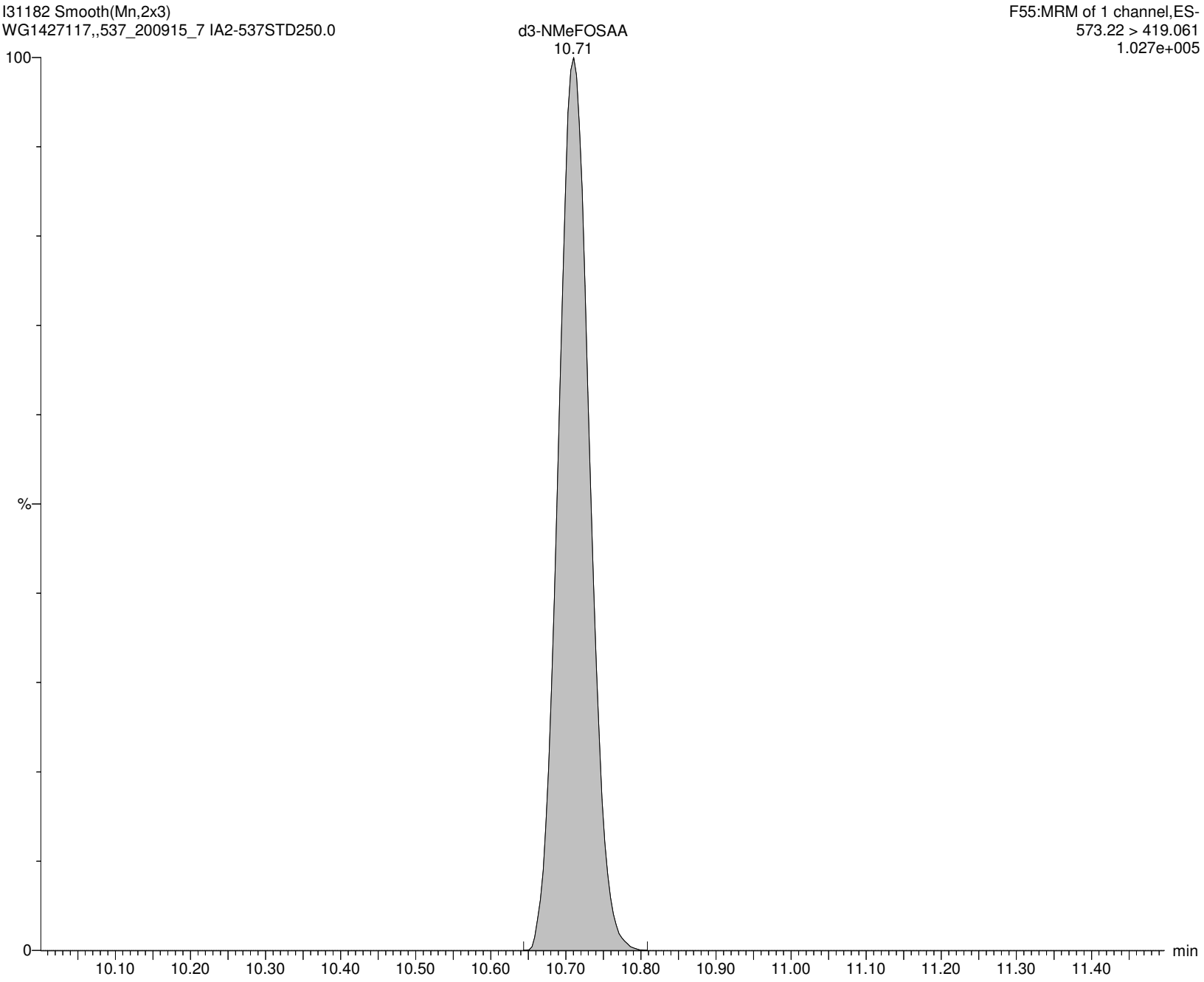
d3-NMeFOSAA



all concentration units in (ng/mL)

Alpha Analytical Inc.
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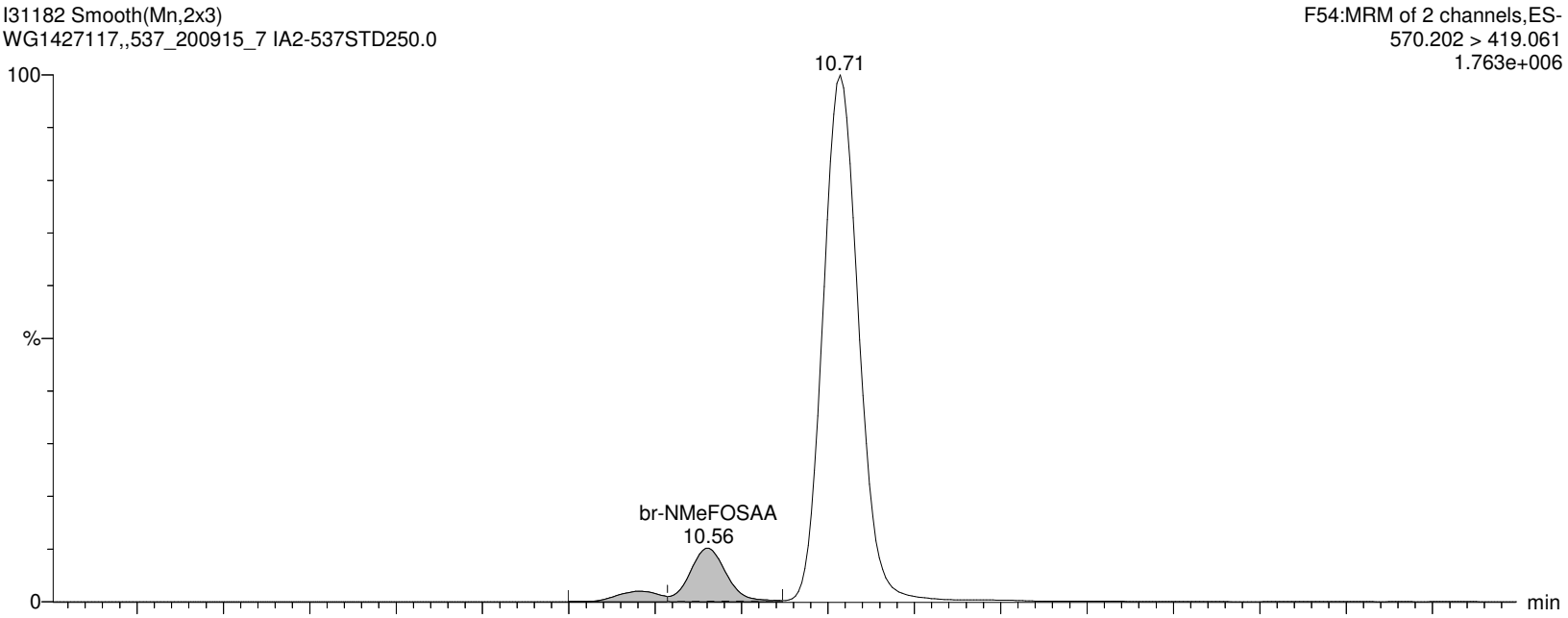
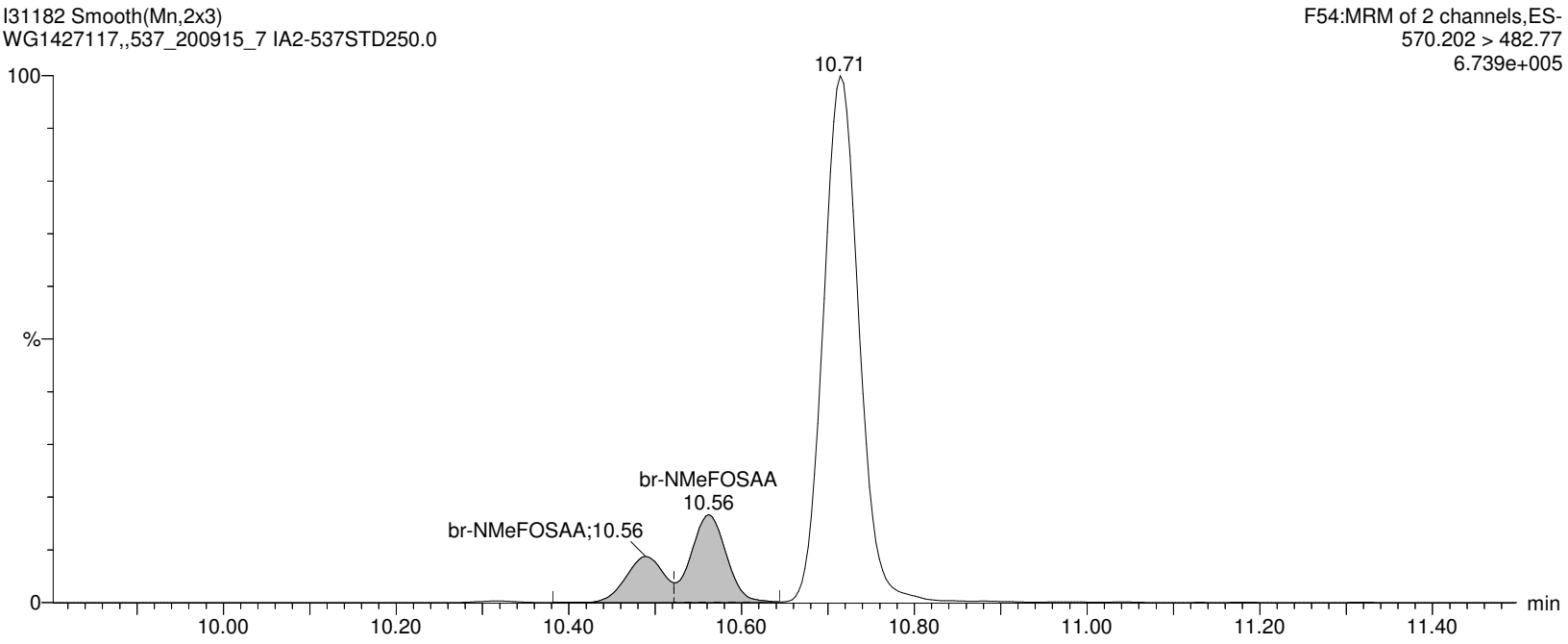
br-NMeFOSAA





all concentration units in (ng/mL)

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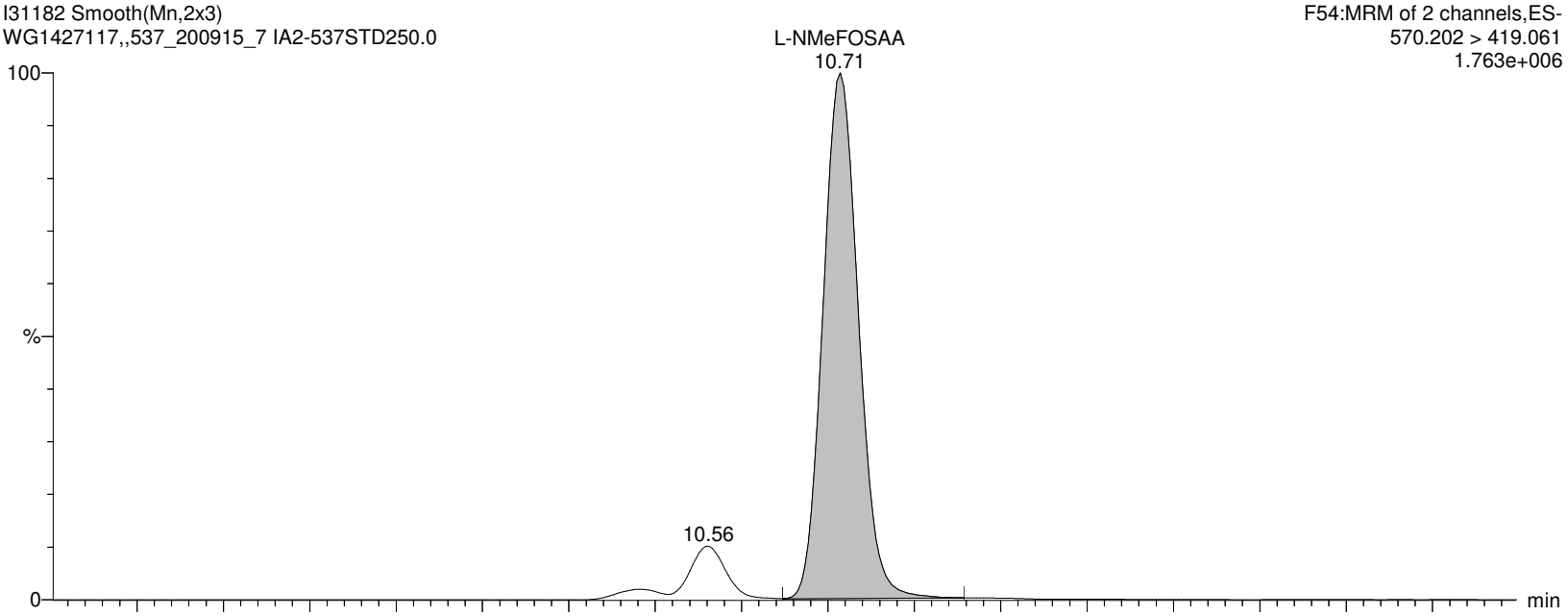
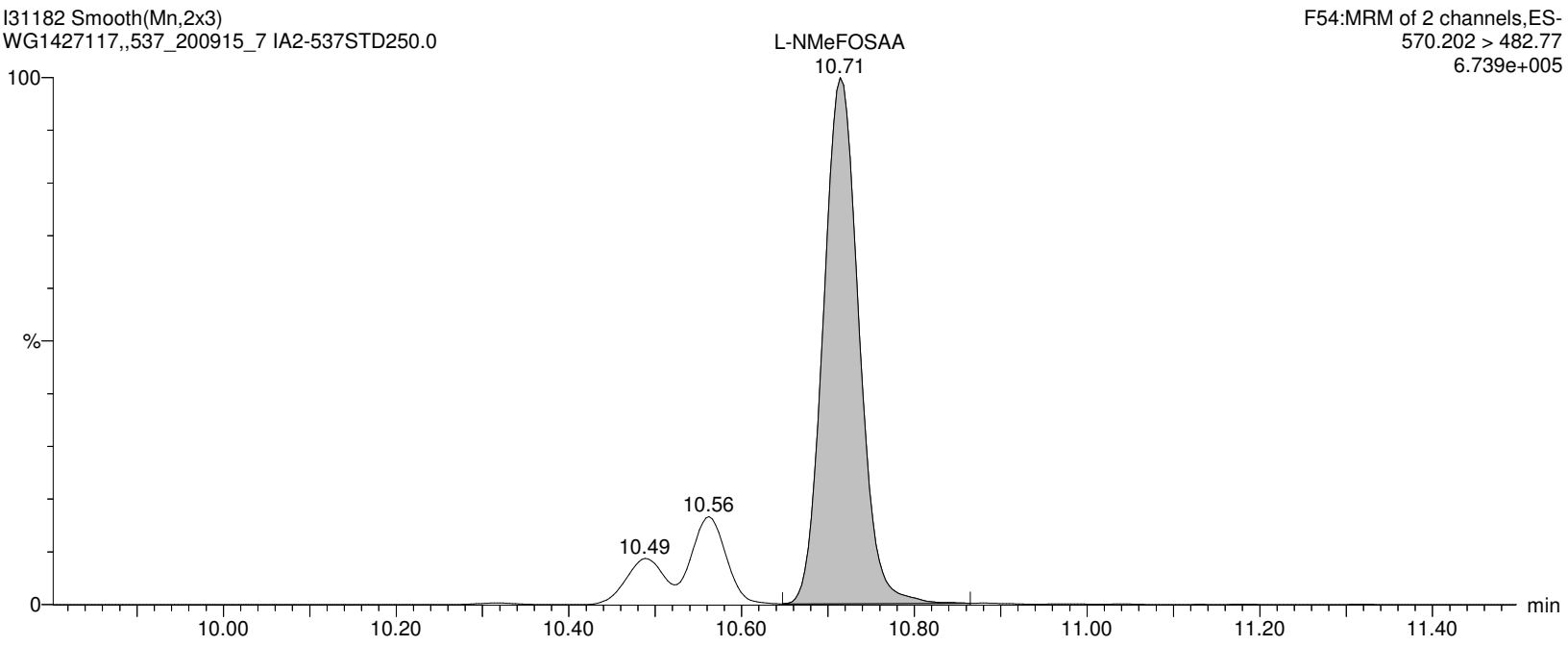
L-NMeFOSAA





all concentration units in (ng/mL)

Alpha Analytical Inc.
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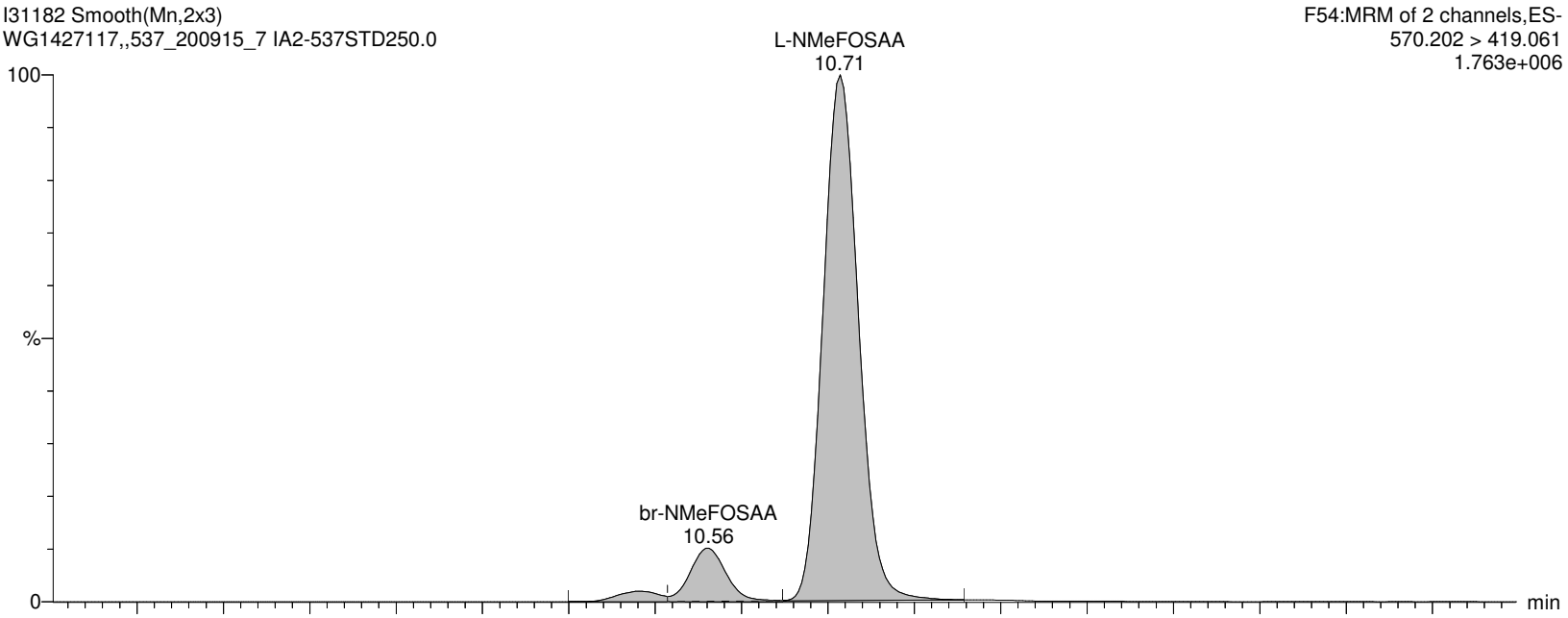

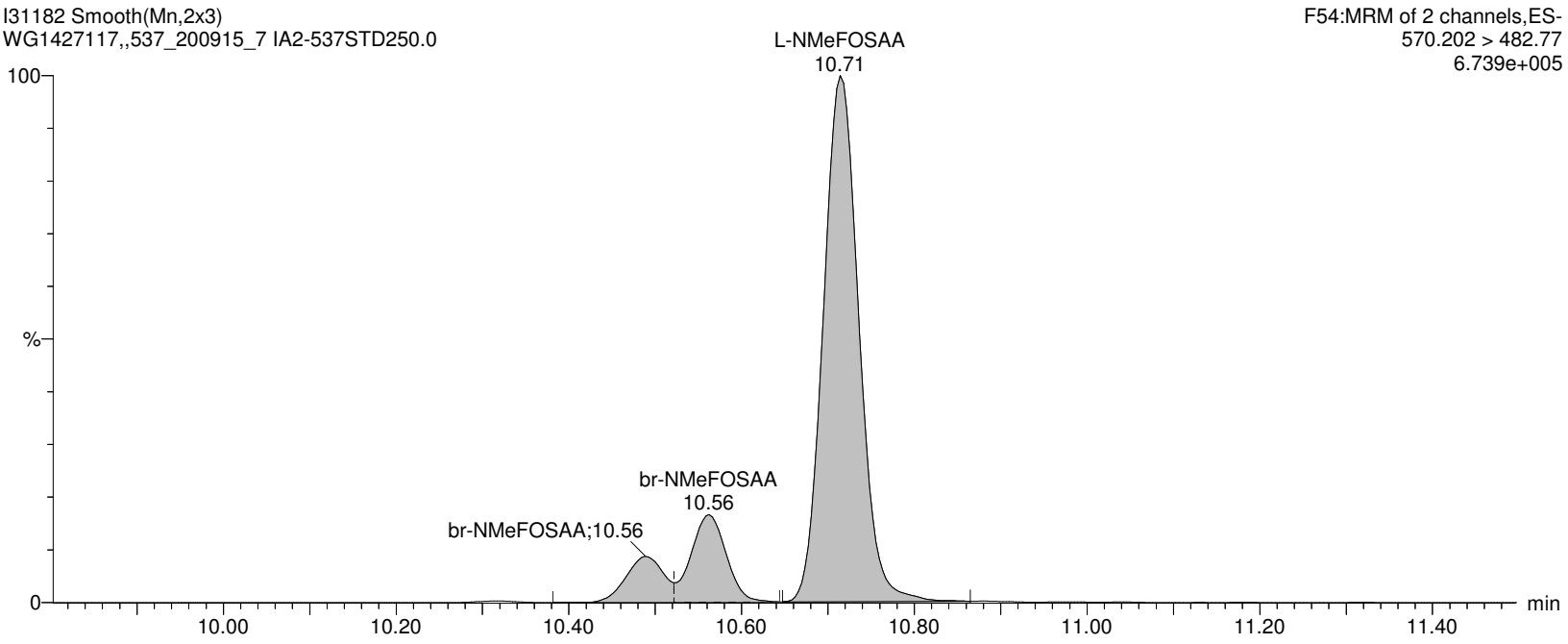

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
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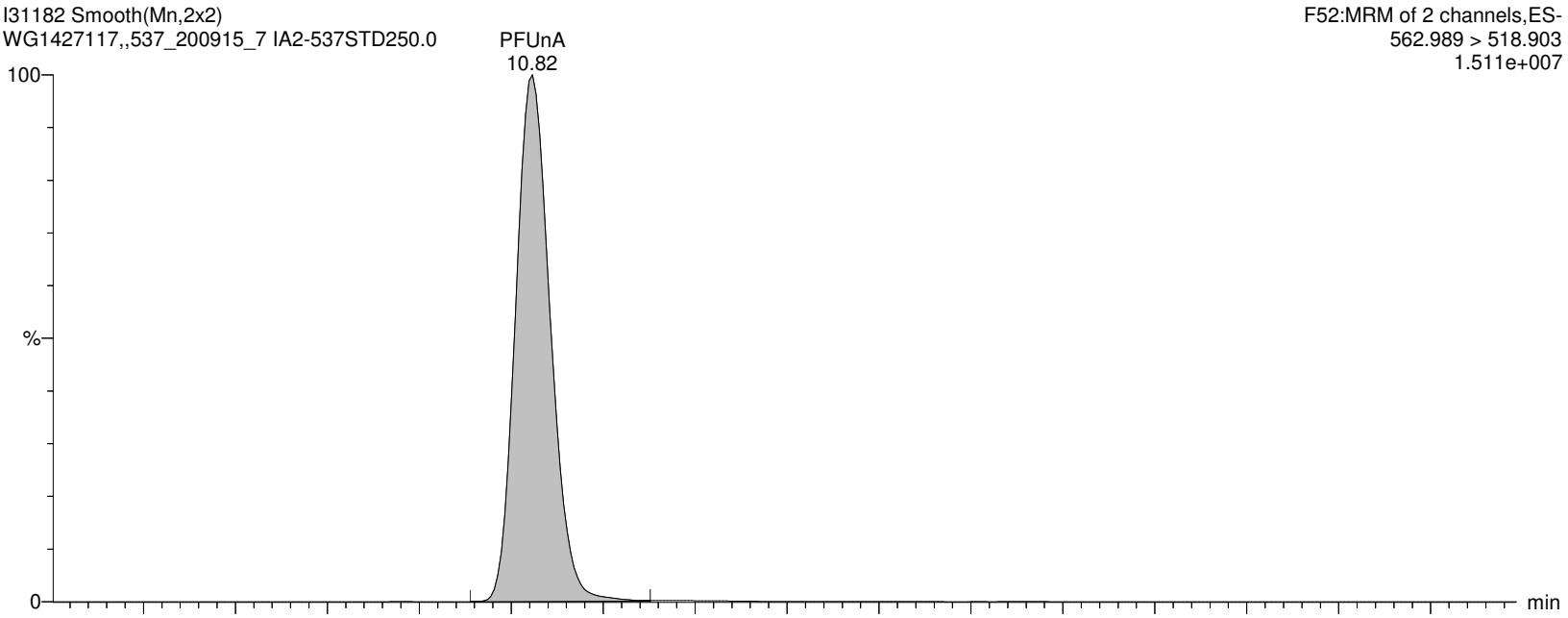

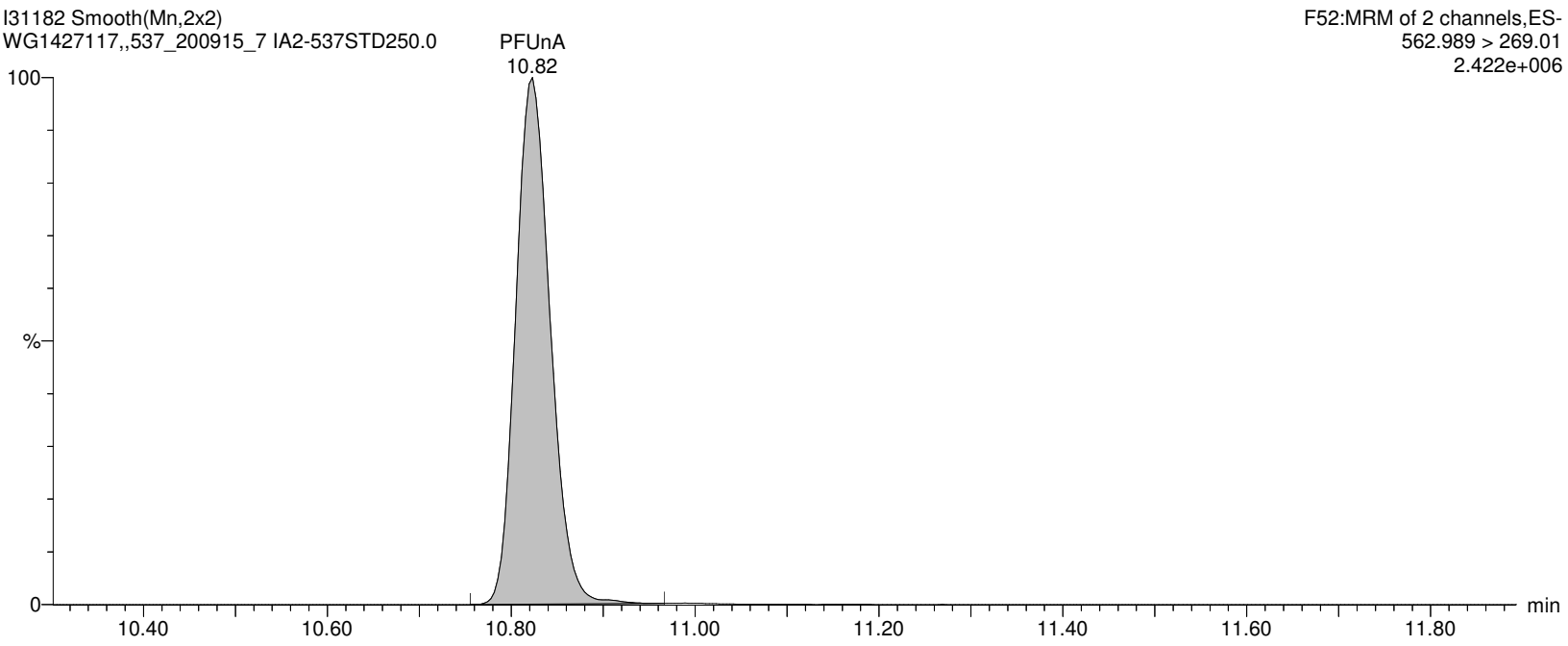

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
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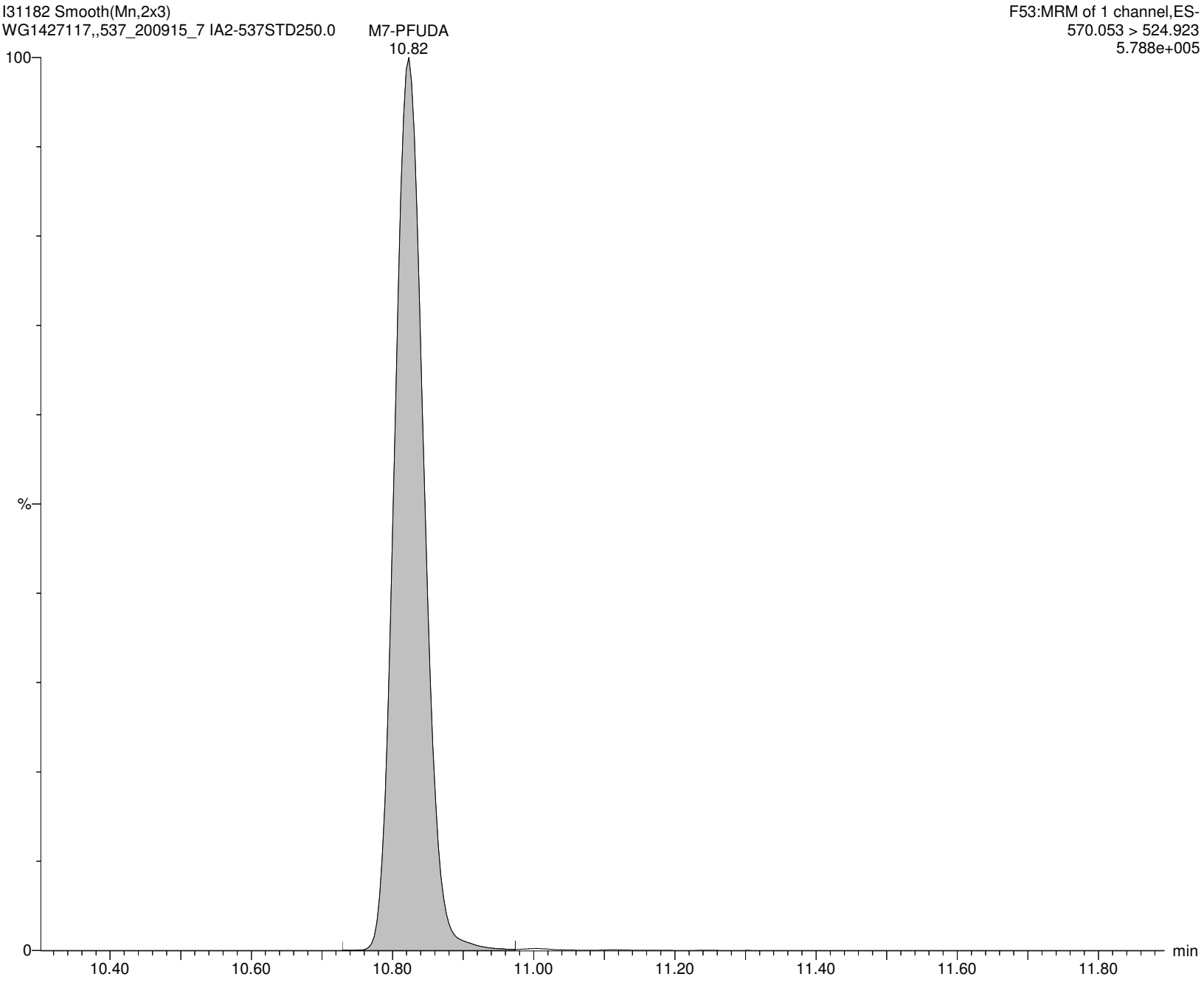
M7-PFUDA



all concentration units in (ng/mL)

Alpha Analytical Inc.
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Vial: 1:A,8
Instrument: XEVO-TQSmicro#QEB0050
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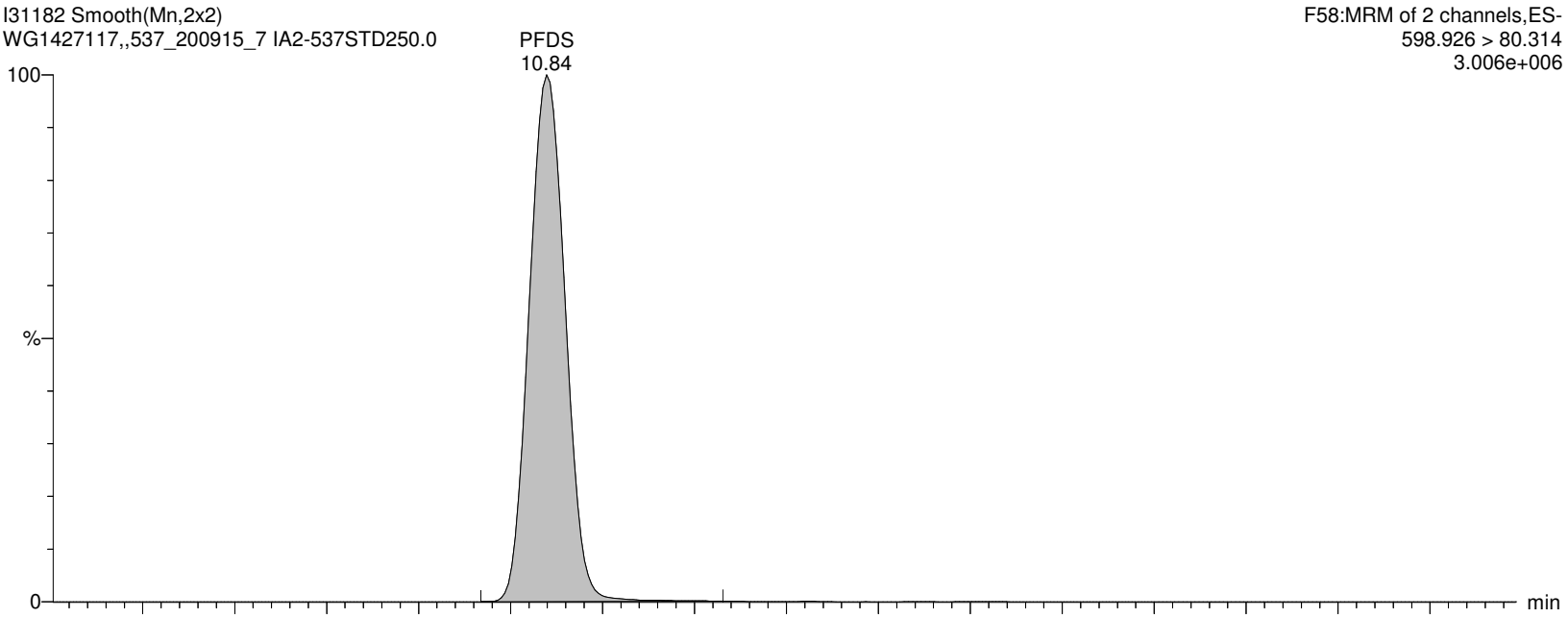

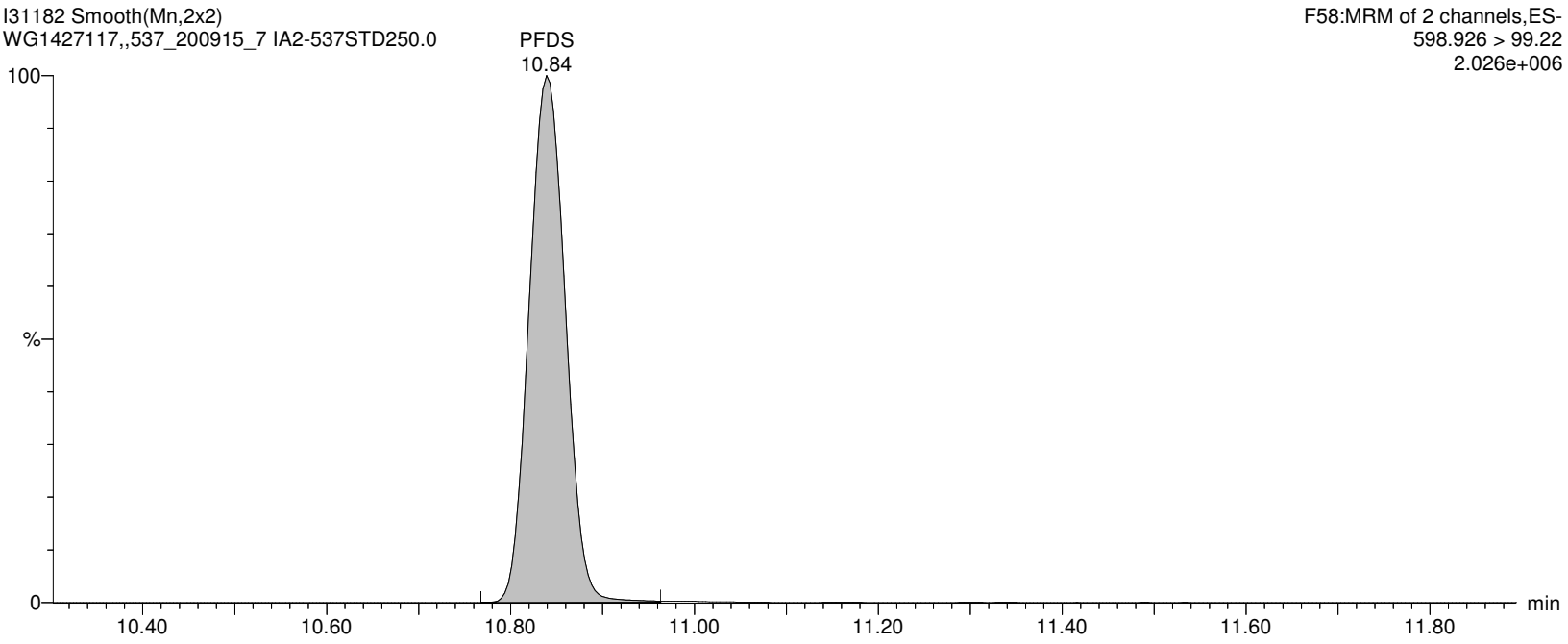

all concentration units in (ng/mL)

Alpha Analytical Inc.
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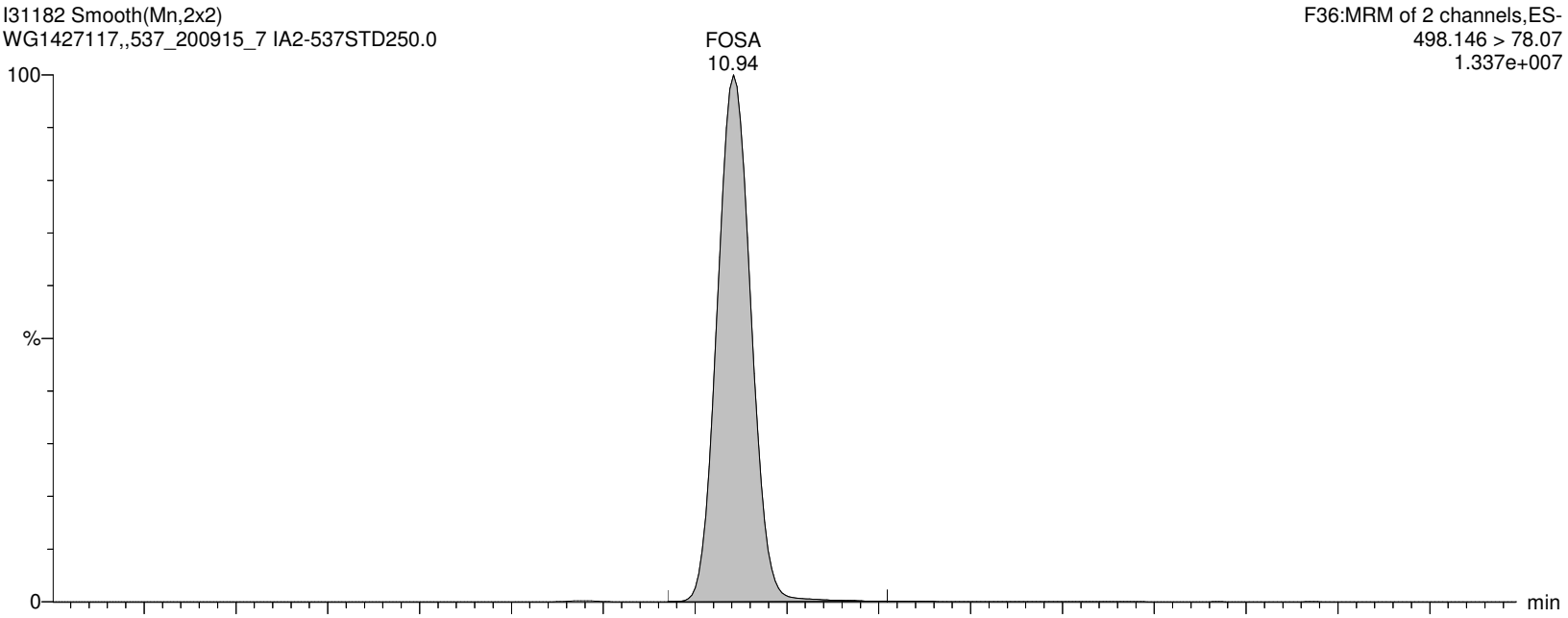

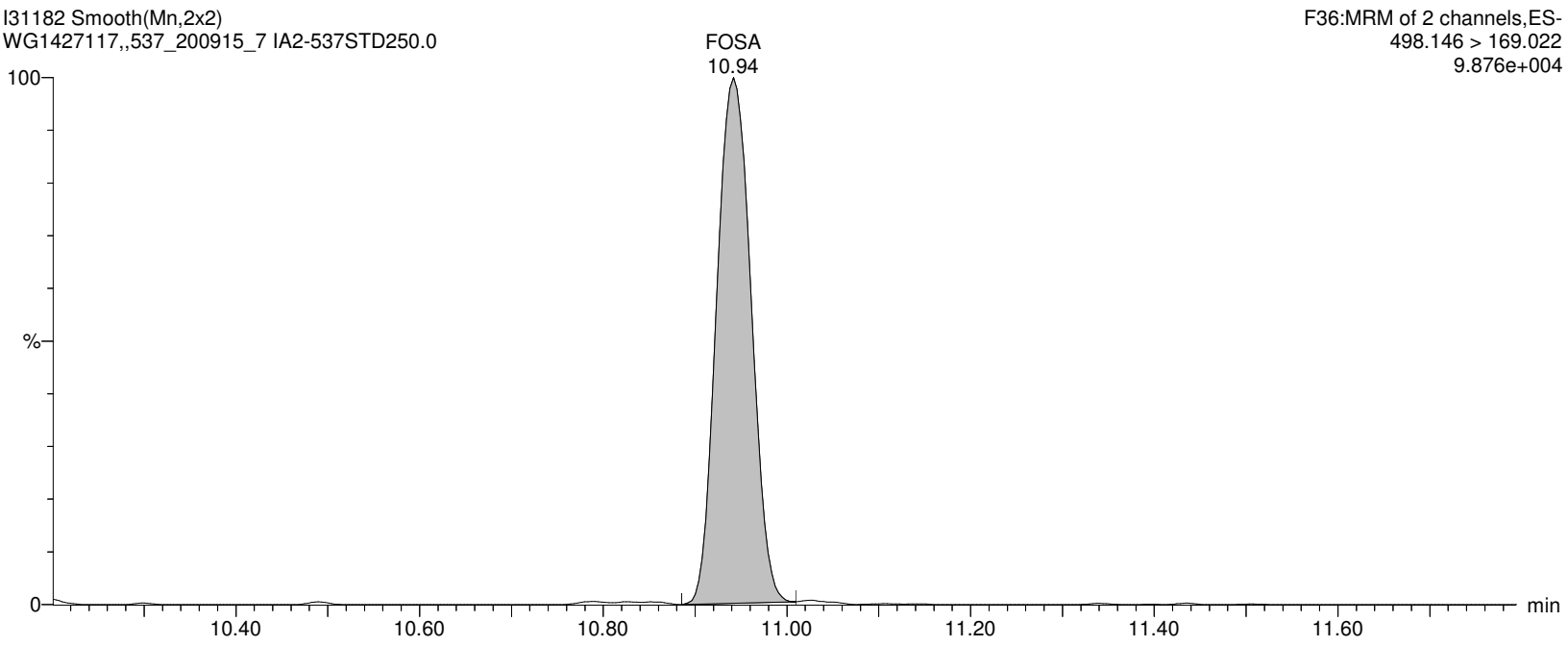

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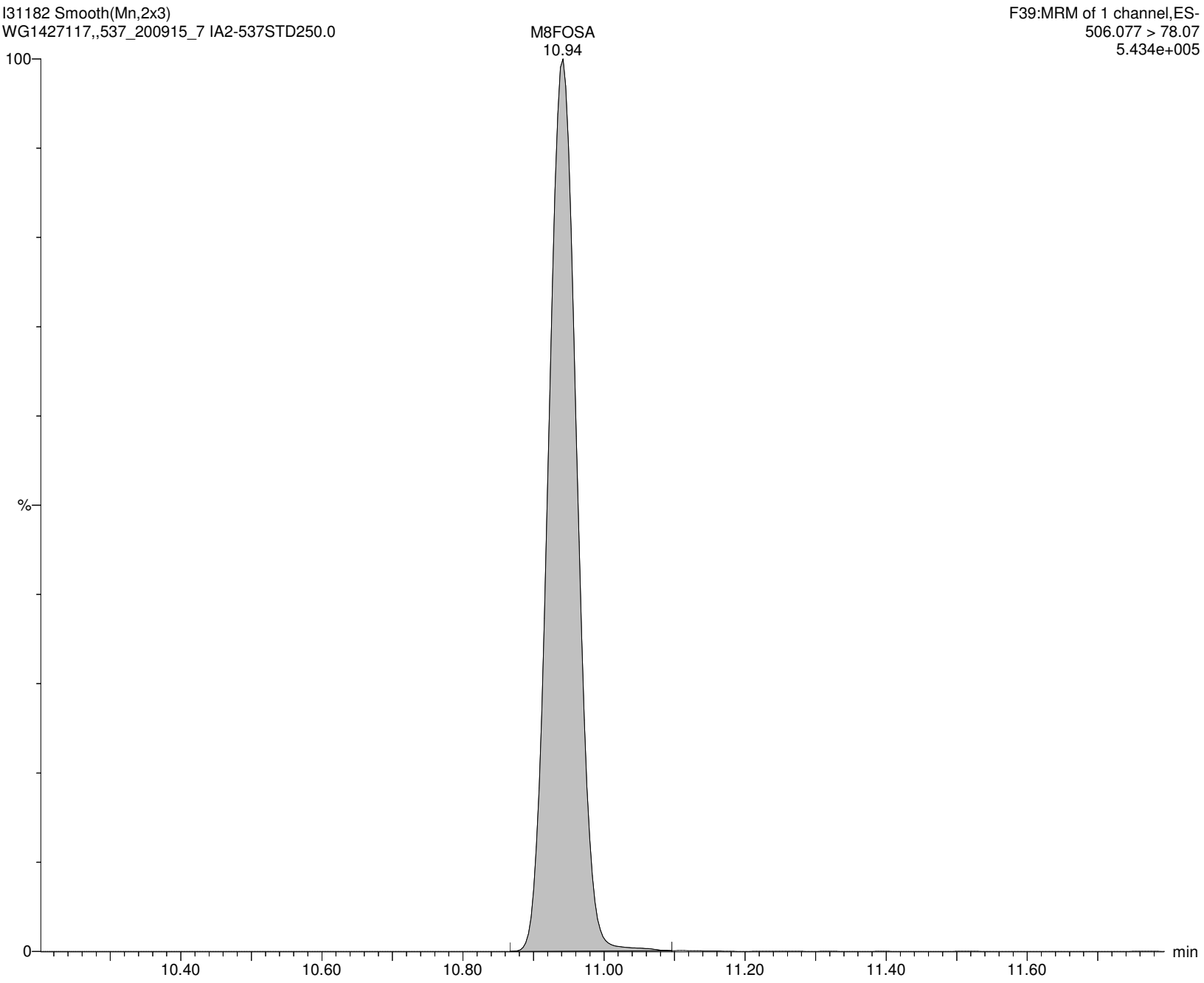

all concentration units in (ng/mL)

Alpha Analytical Inc.
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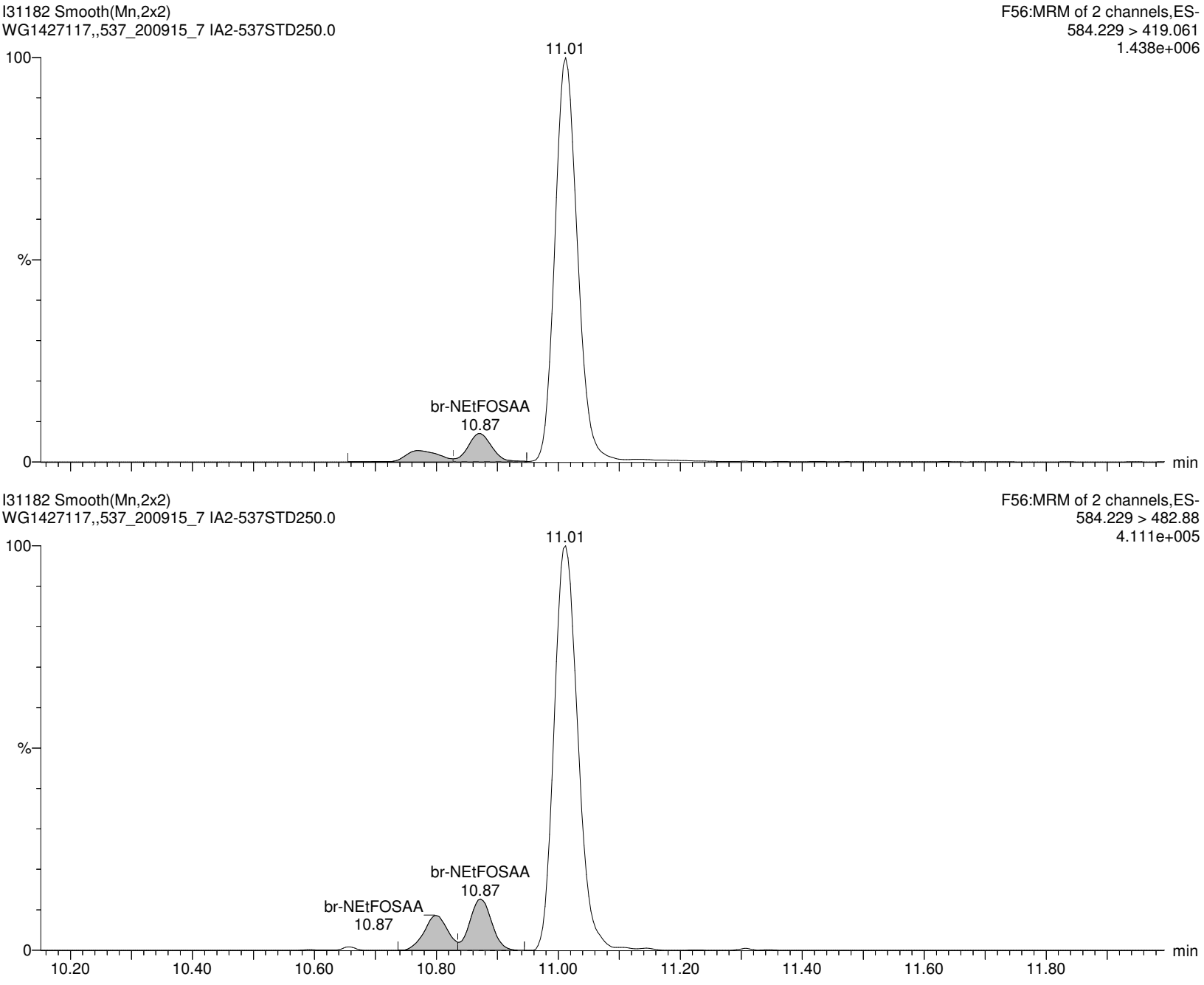

all concentration units in (ng/mL)

Alpha Analytical Inc.
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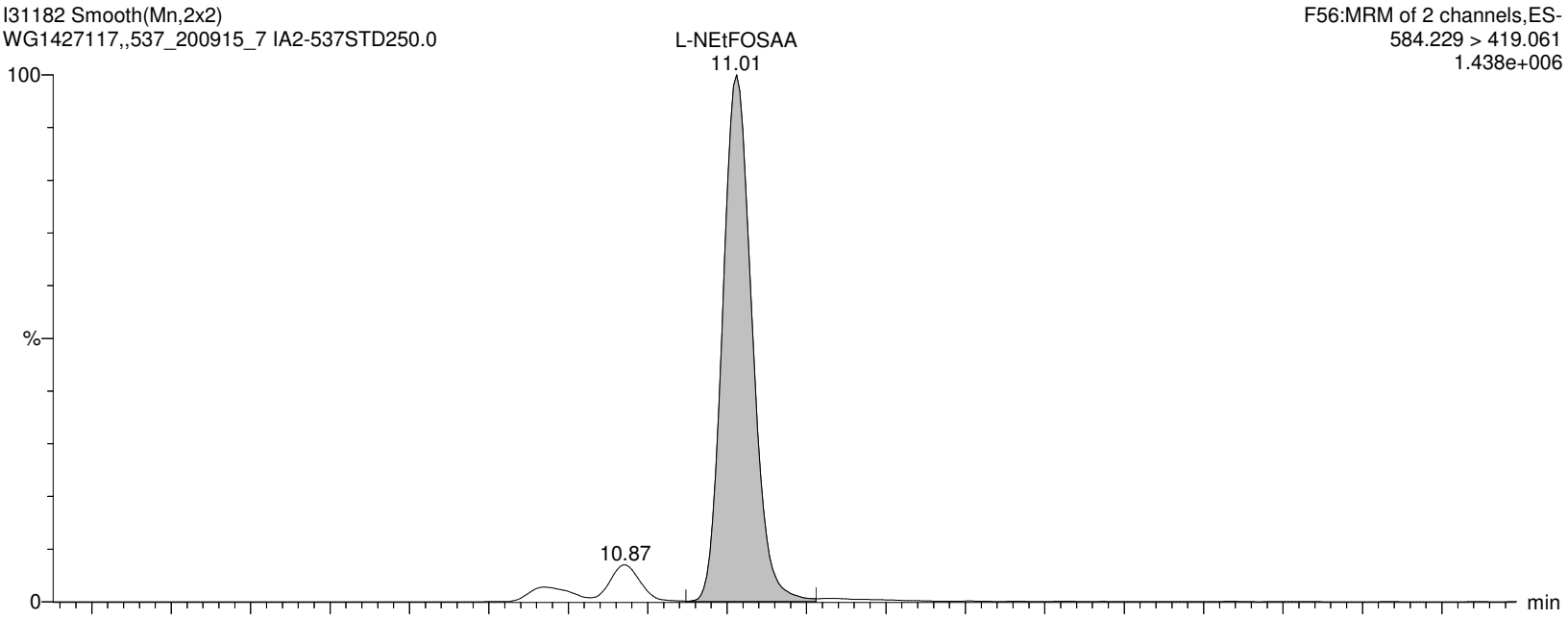
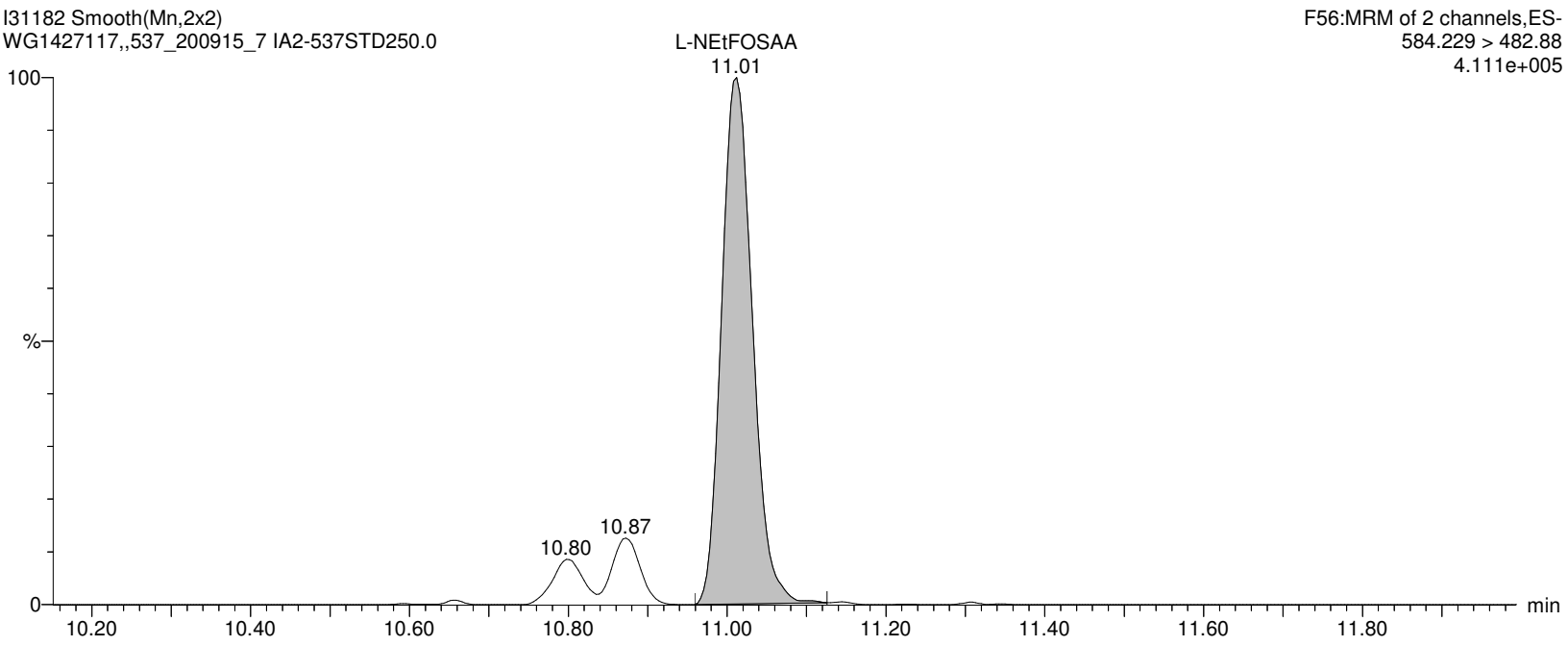
L-NEtFOSAA





all concentration units in (ng/mL)

Name: I31182
ID: IA2-537STD250.0
Date: 27-Oct-2020
Time: 19:19:59
Description: WG1427117,,537_200915_7
User: LCMS02:JW
Vial: 1:A,8
Instrument: XEVO-TQSmicro#QEB0050
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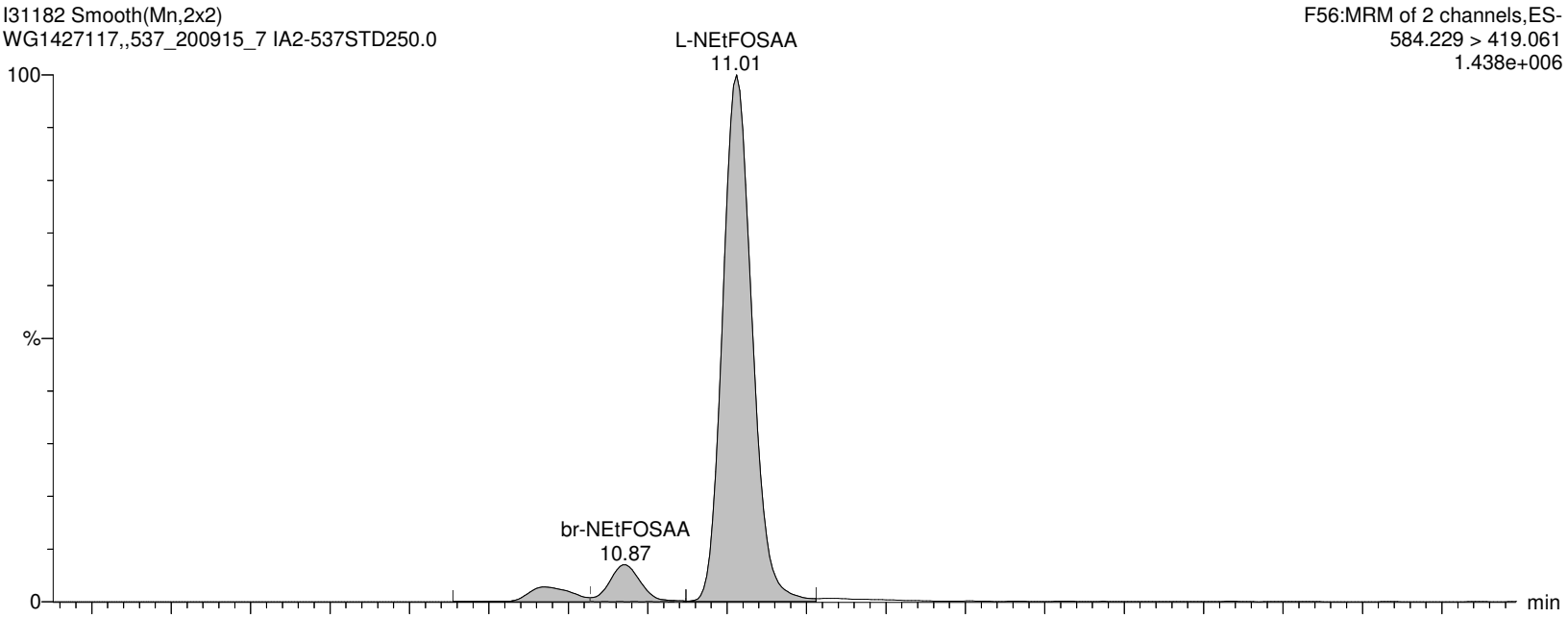

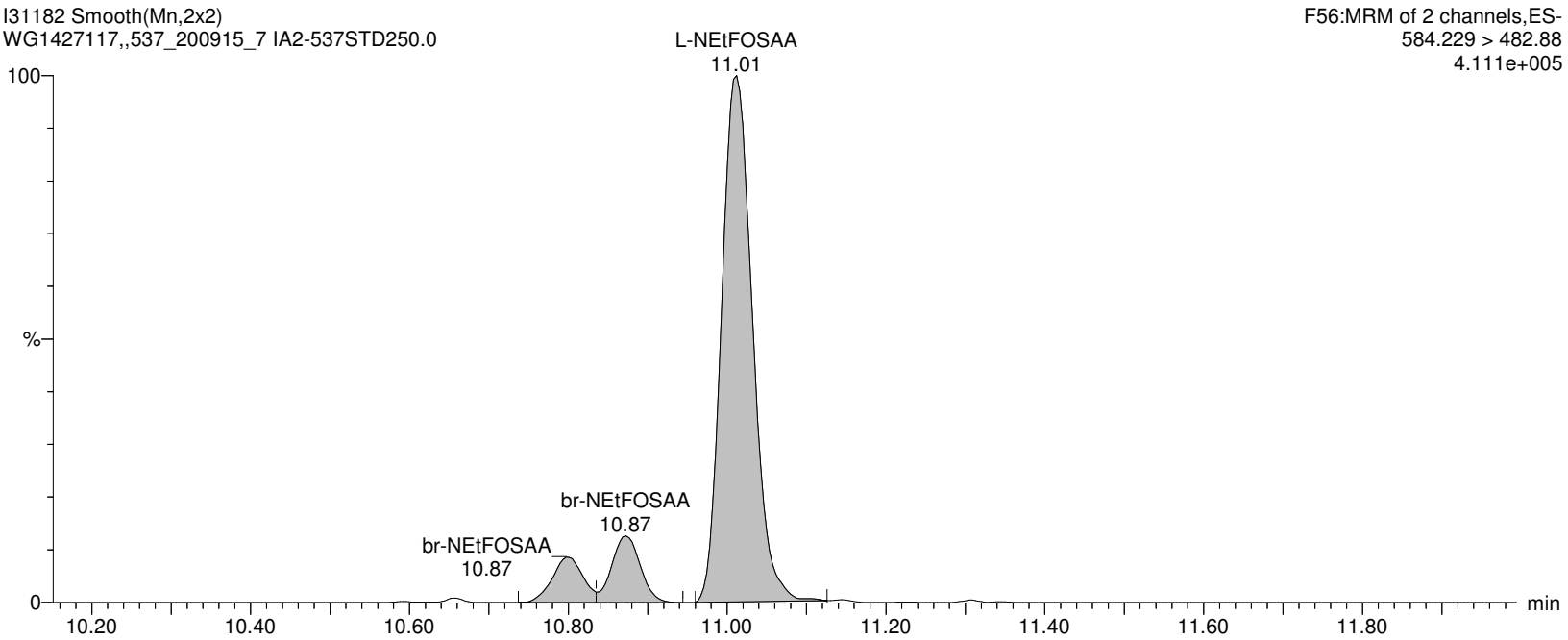

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
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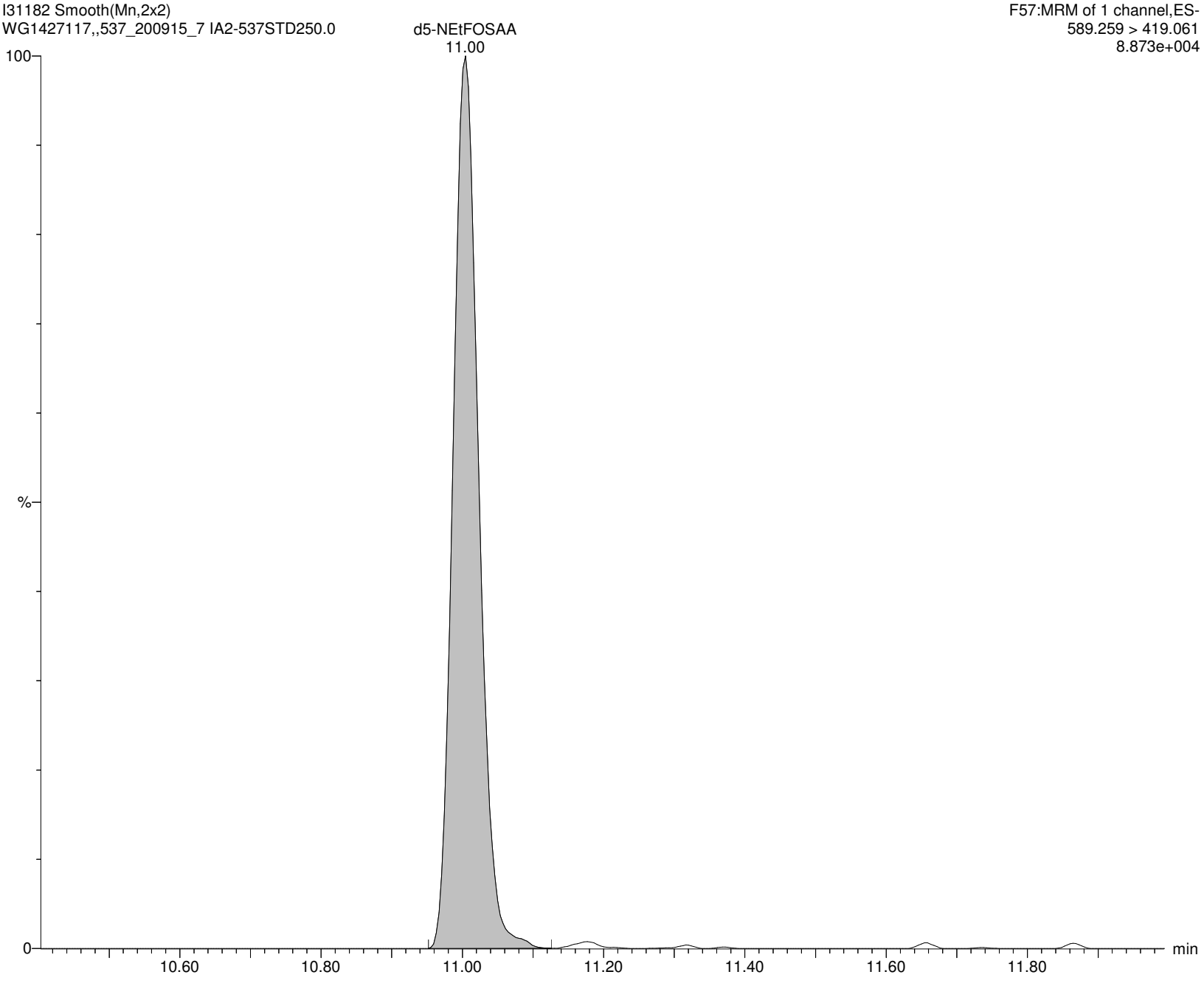

all concentration units in (ng/mL)

Alpha Analytical Inc.
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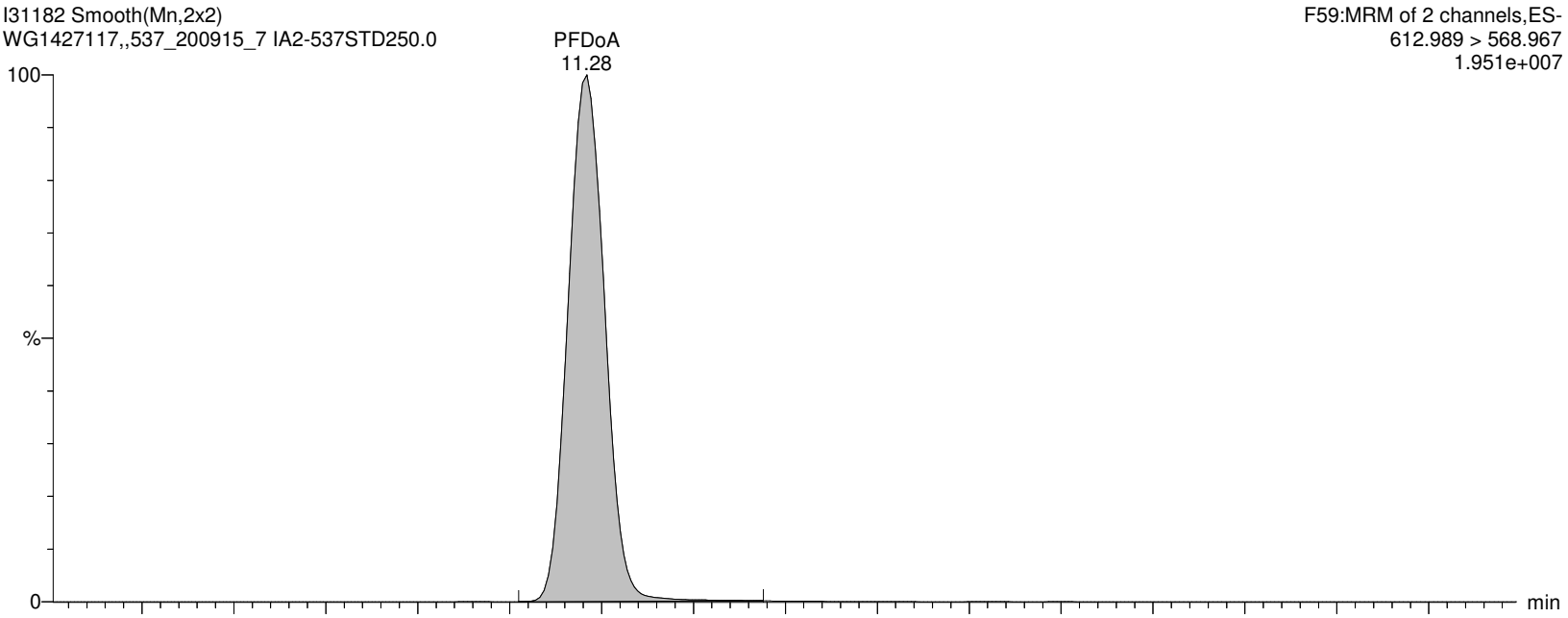

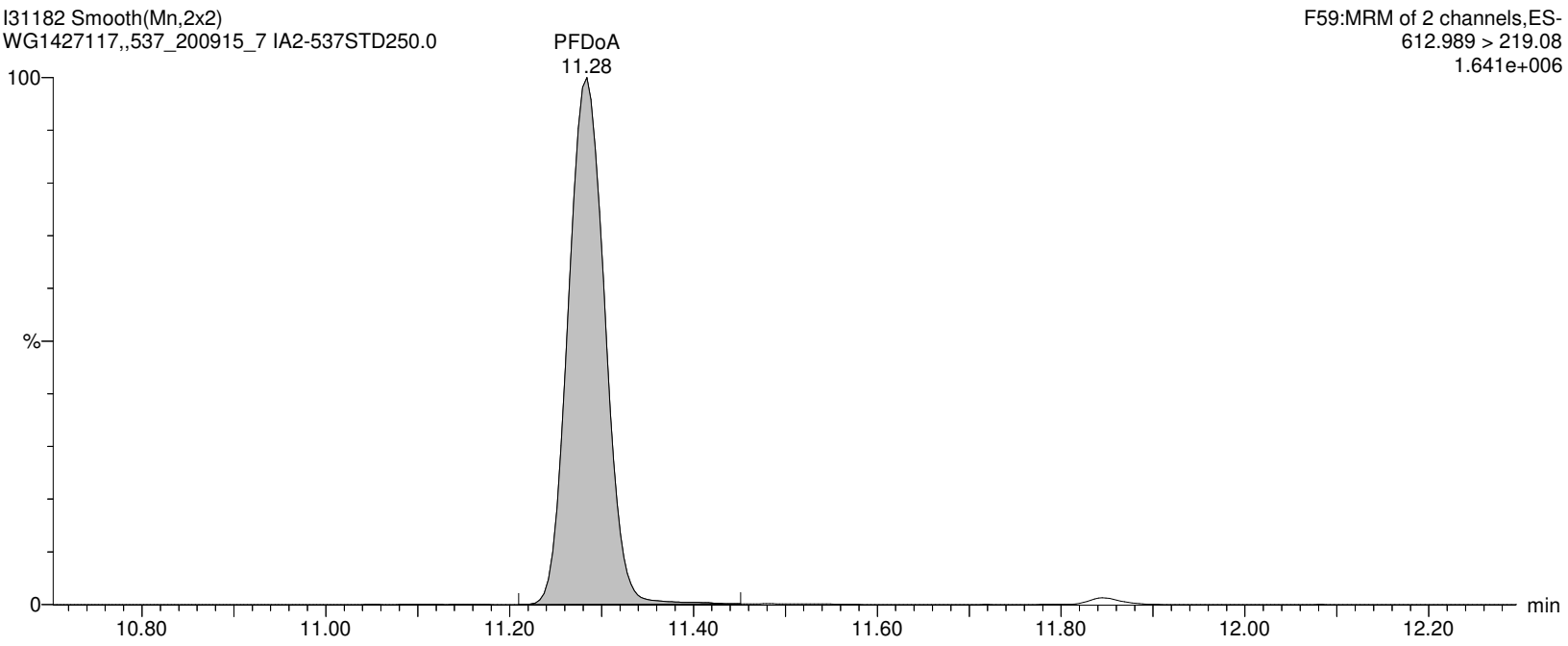

all concentration units in (ng/mL)

Alpha Analytical Inc.
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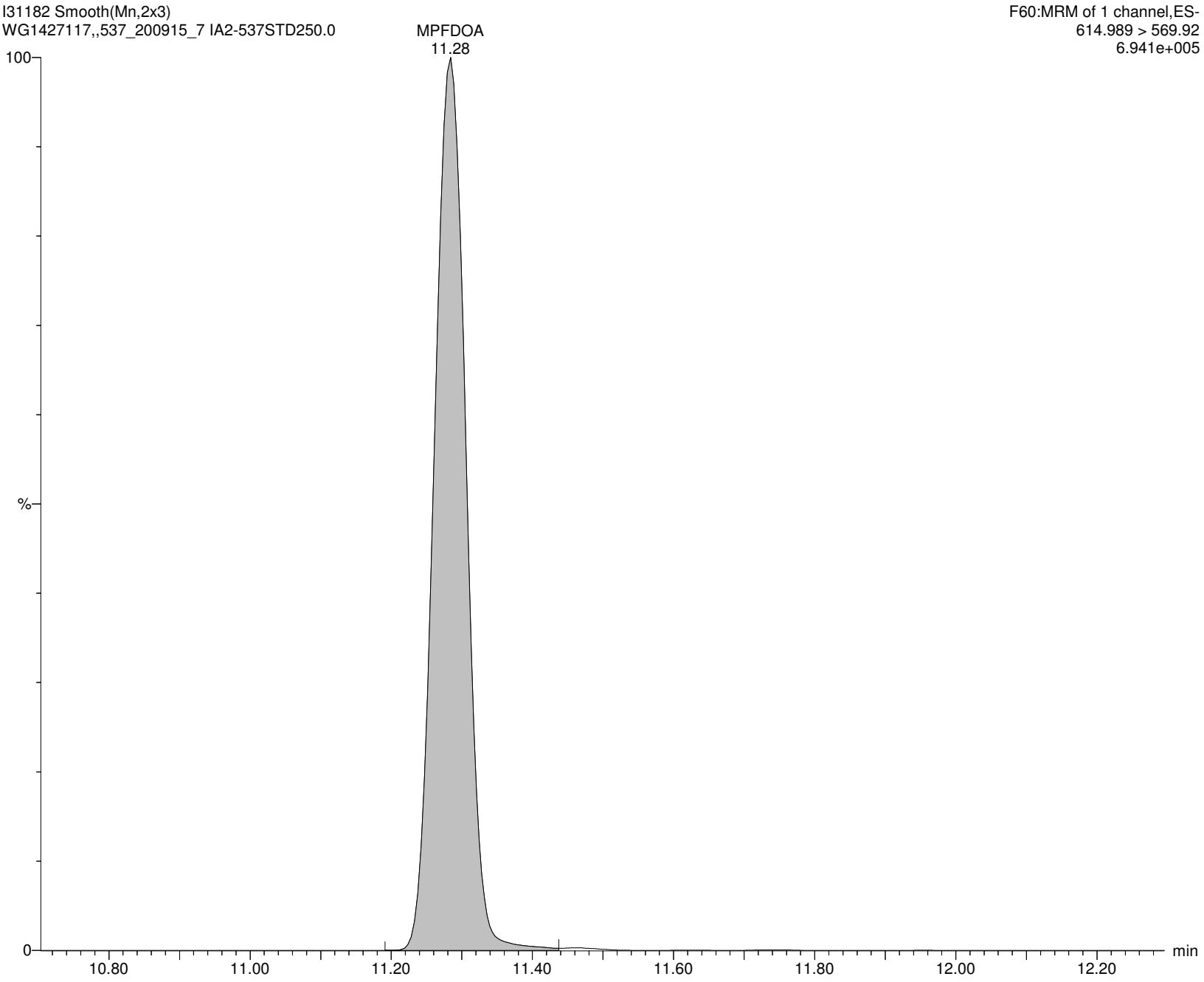

all concentration units in (ng/mL)

Alpha Analytical Inc.
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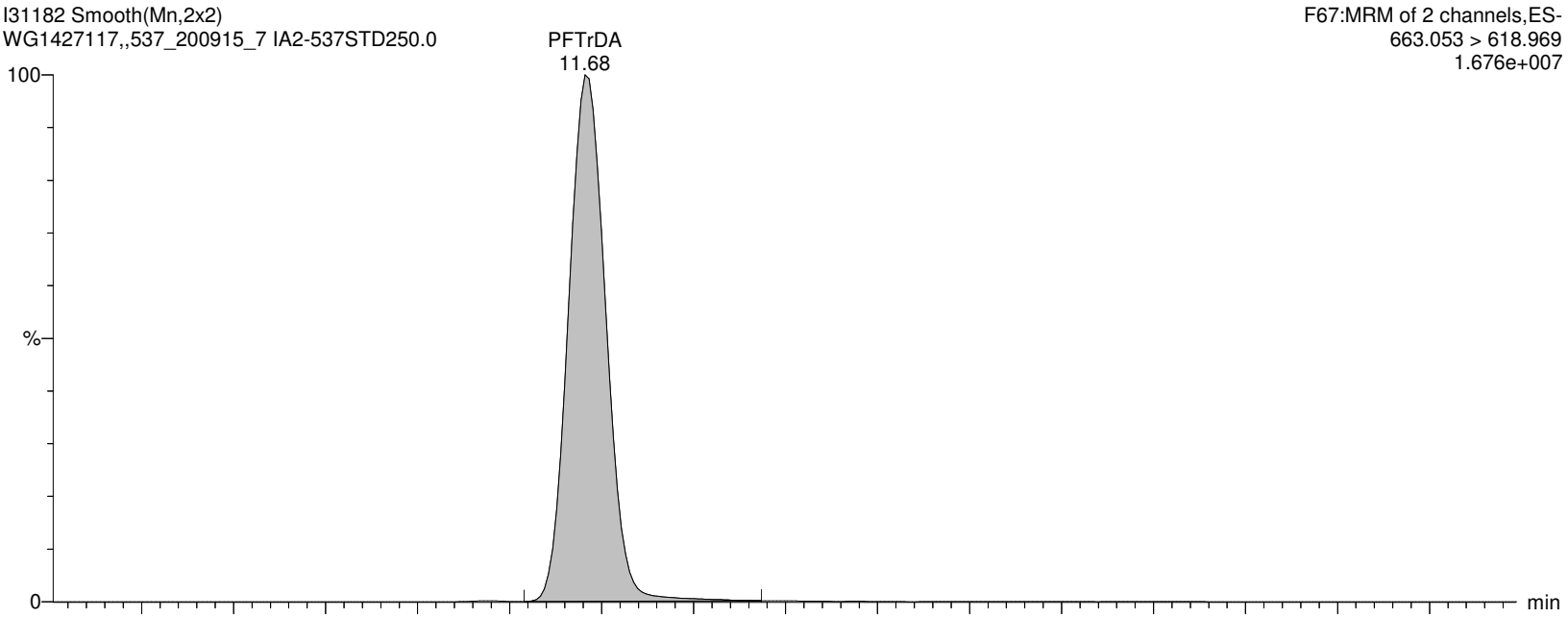

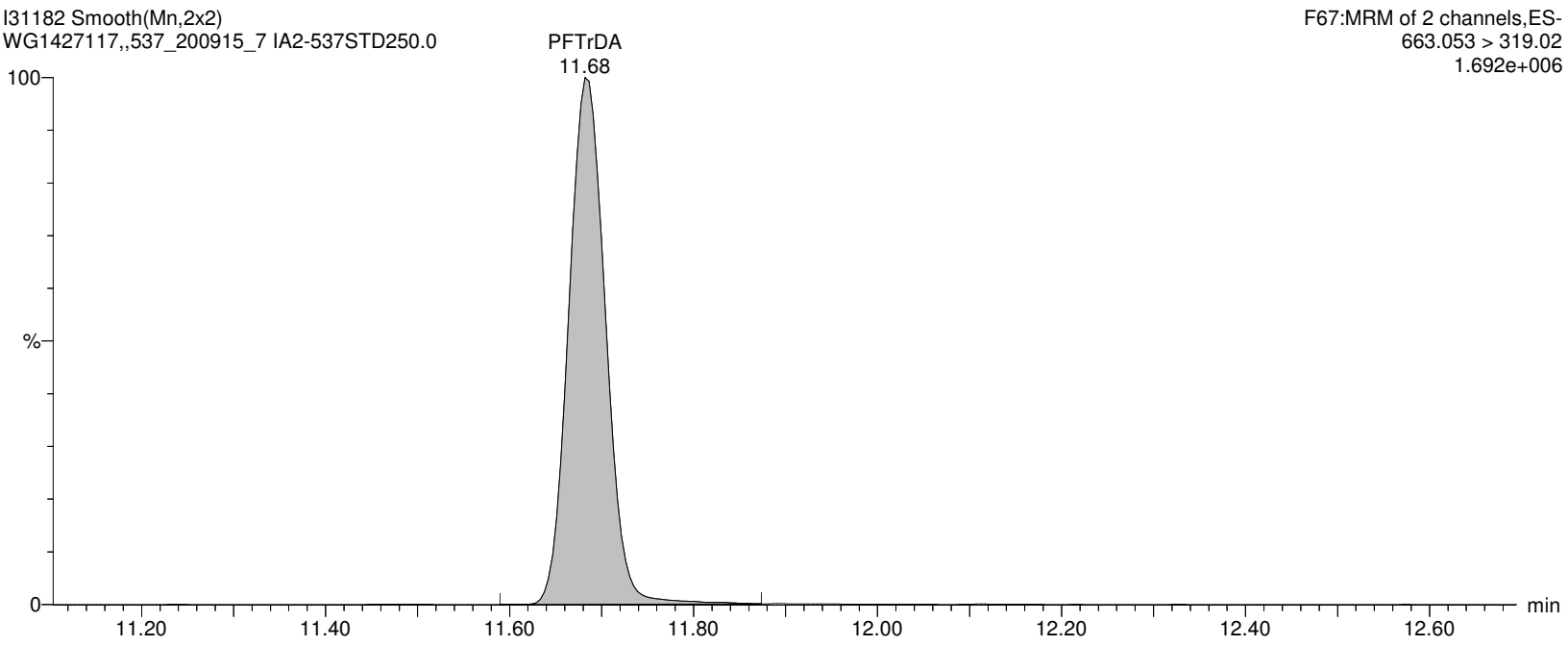

all concentration units in (ng/mL)

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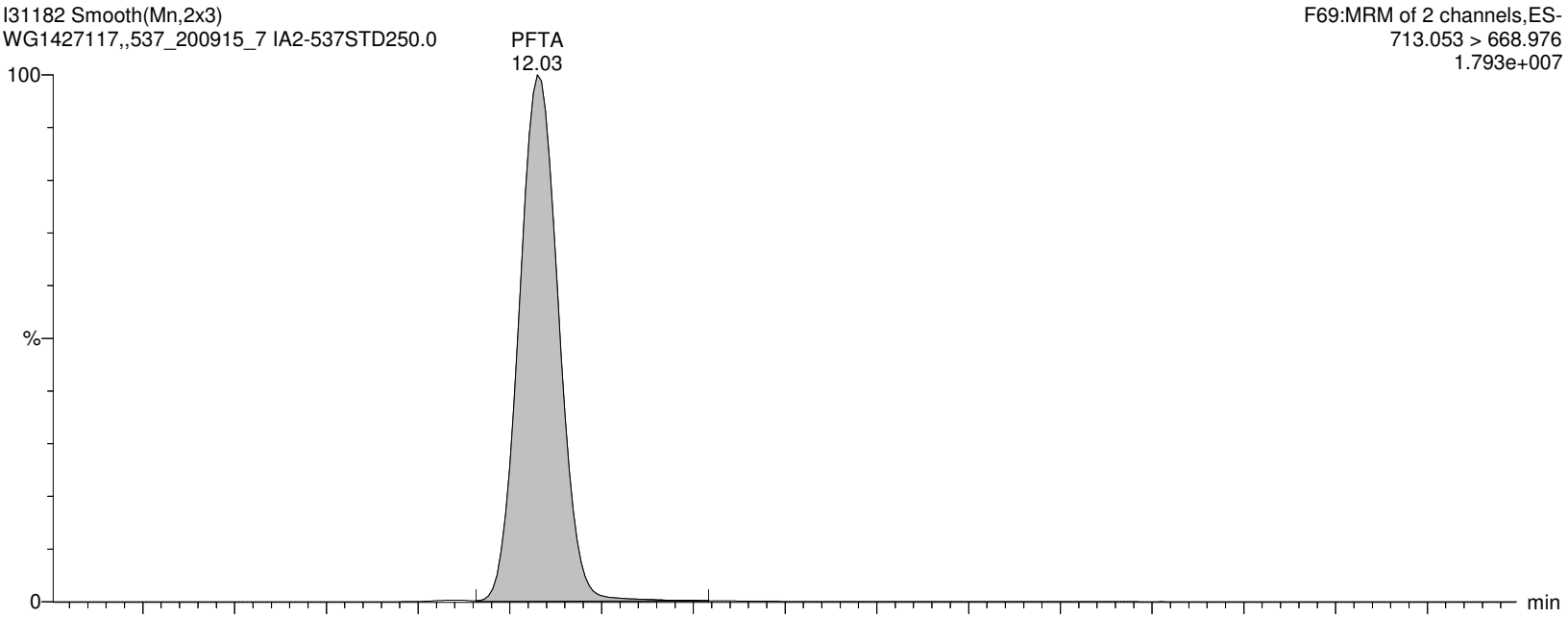

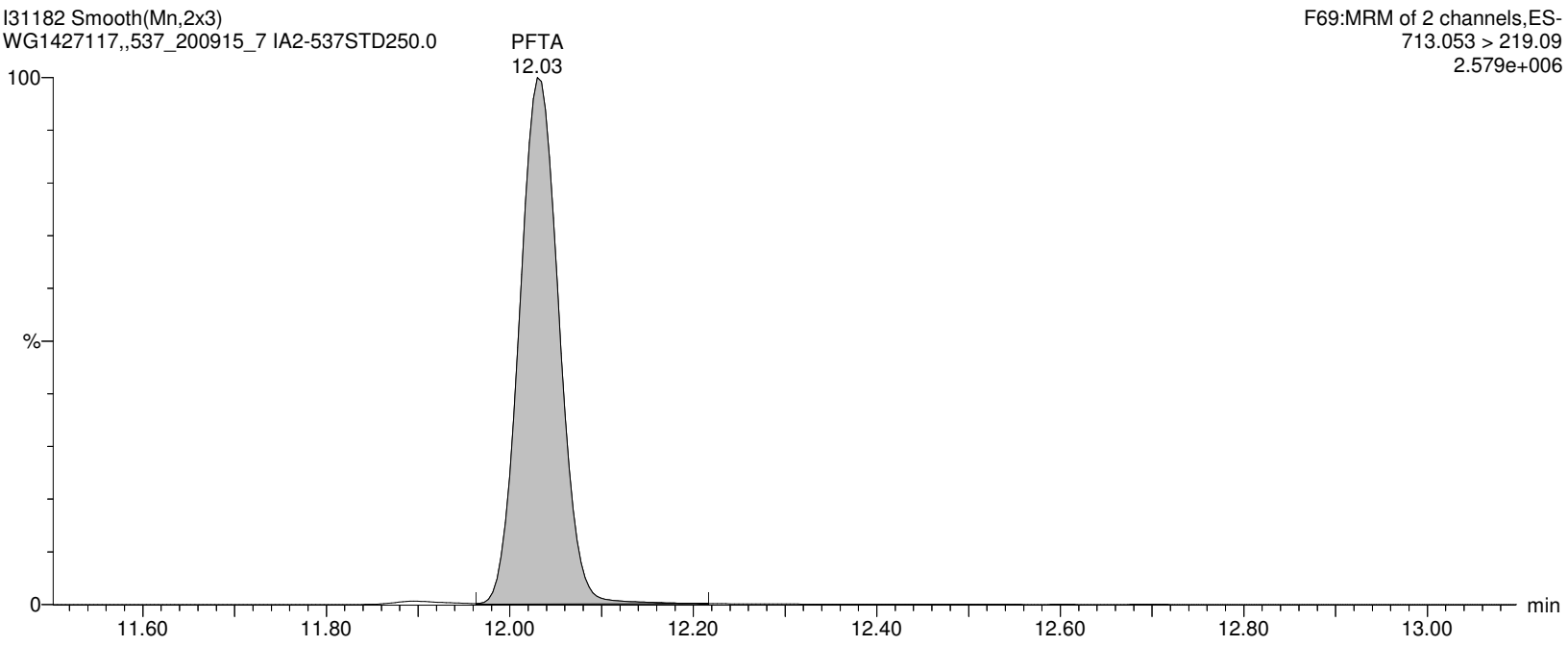

all concentration units in (ng/mL)

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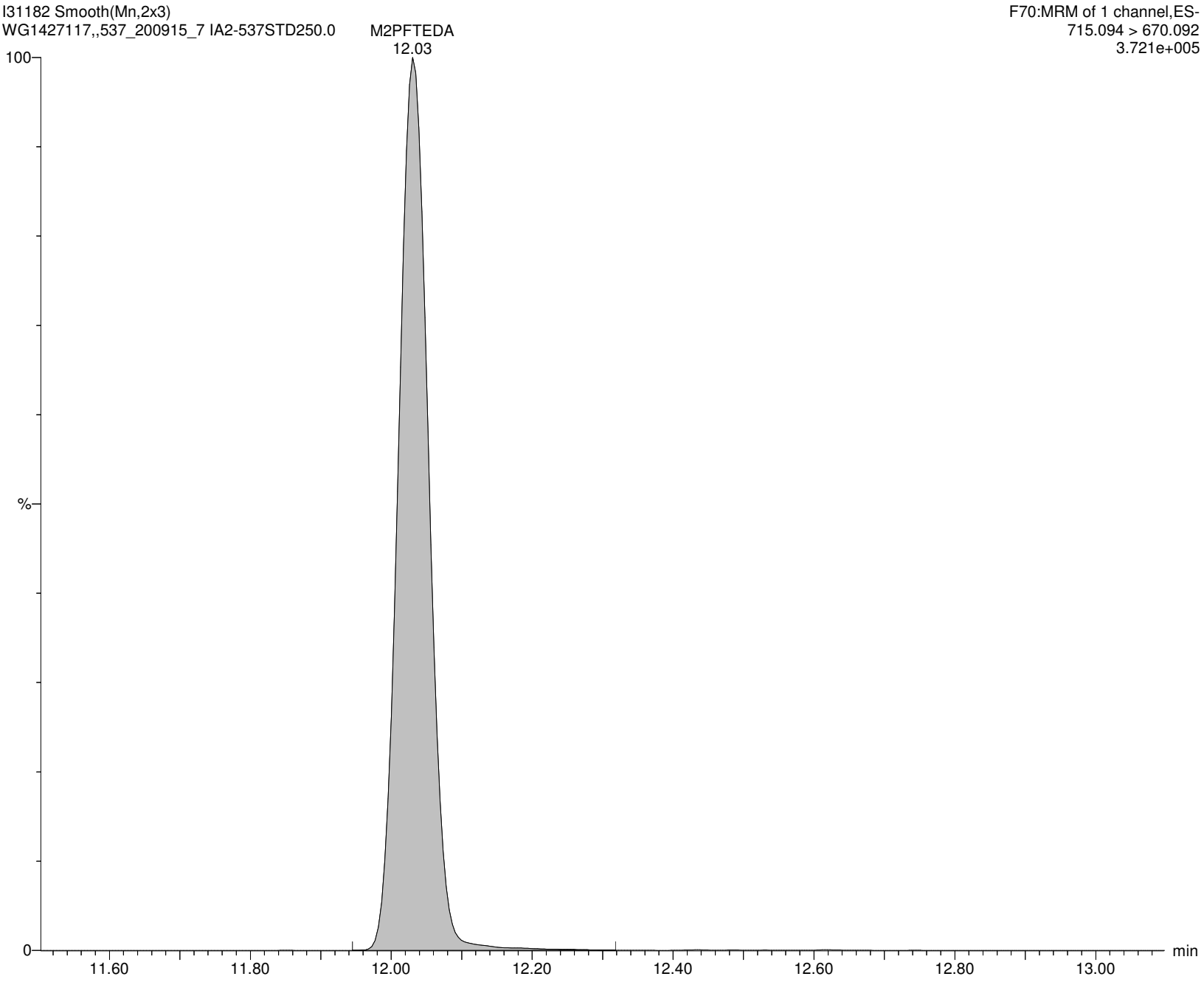

all concentration units in (ng/mL)

Alpha Analytical Inc.
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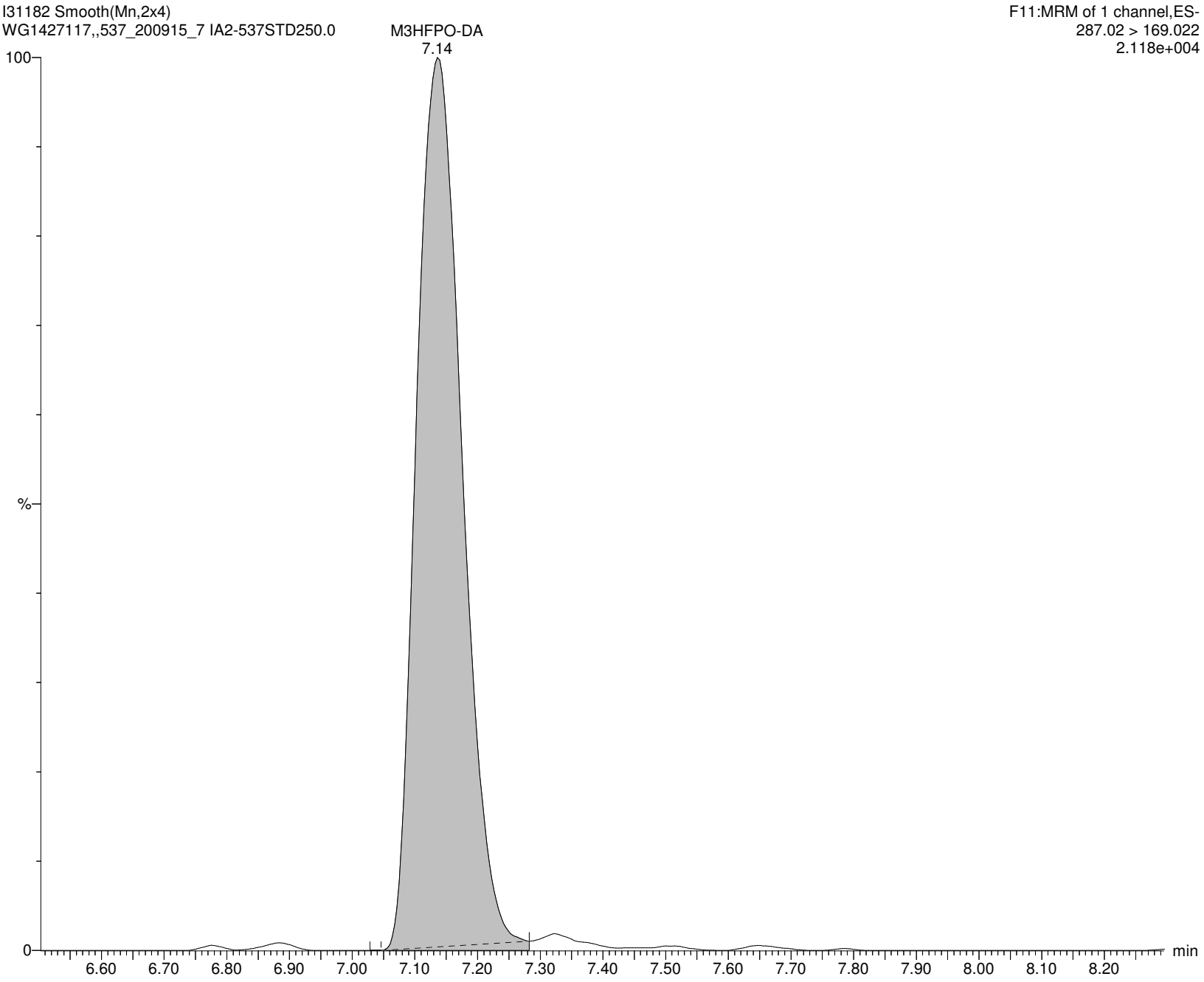

all concentration units in (ng/mL)

Alpha Analytical Inc.
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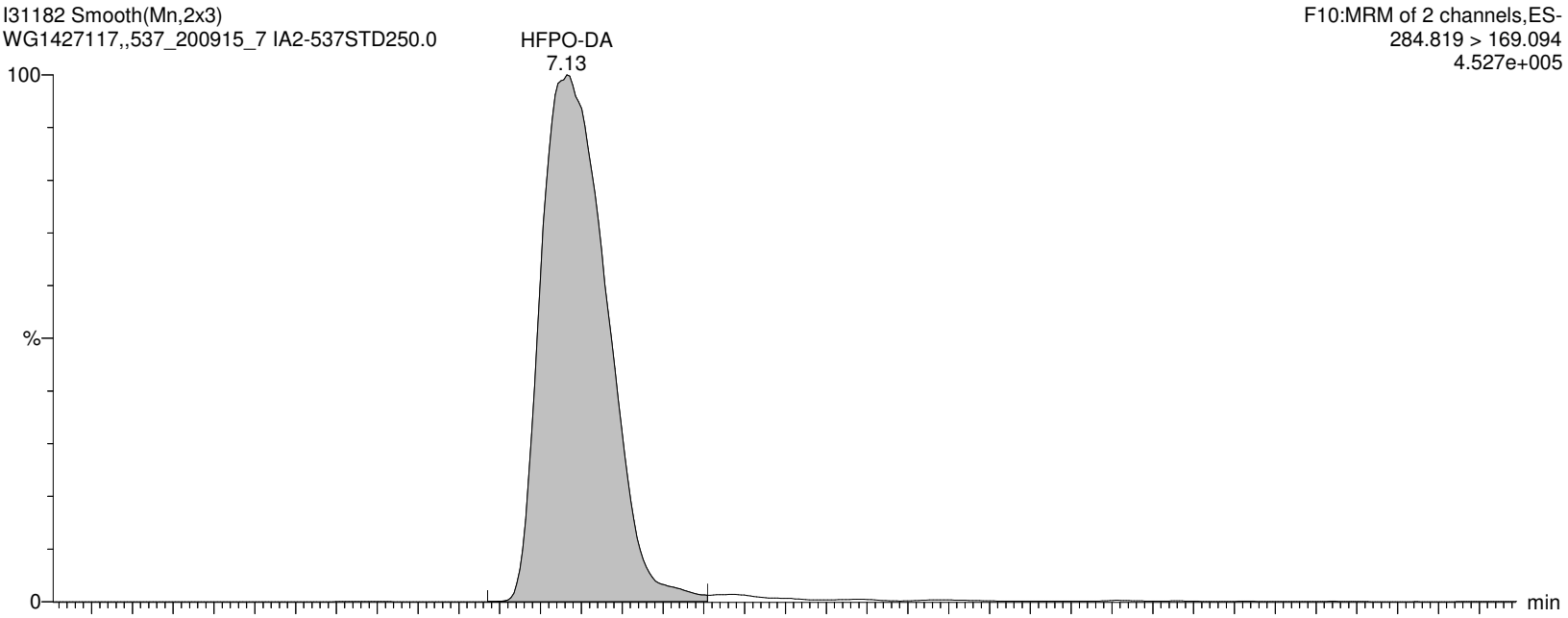
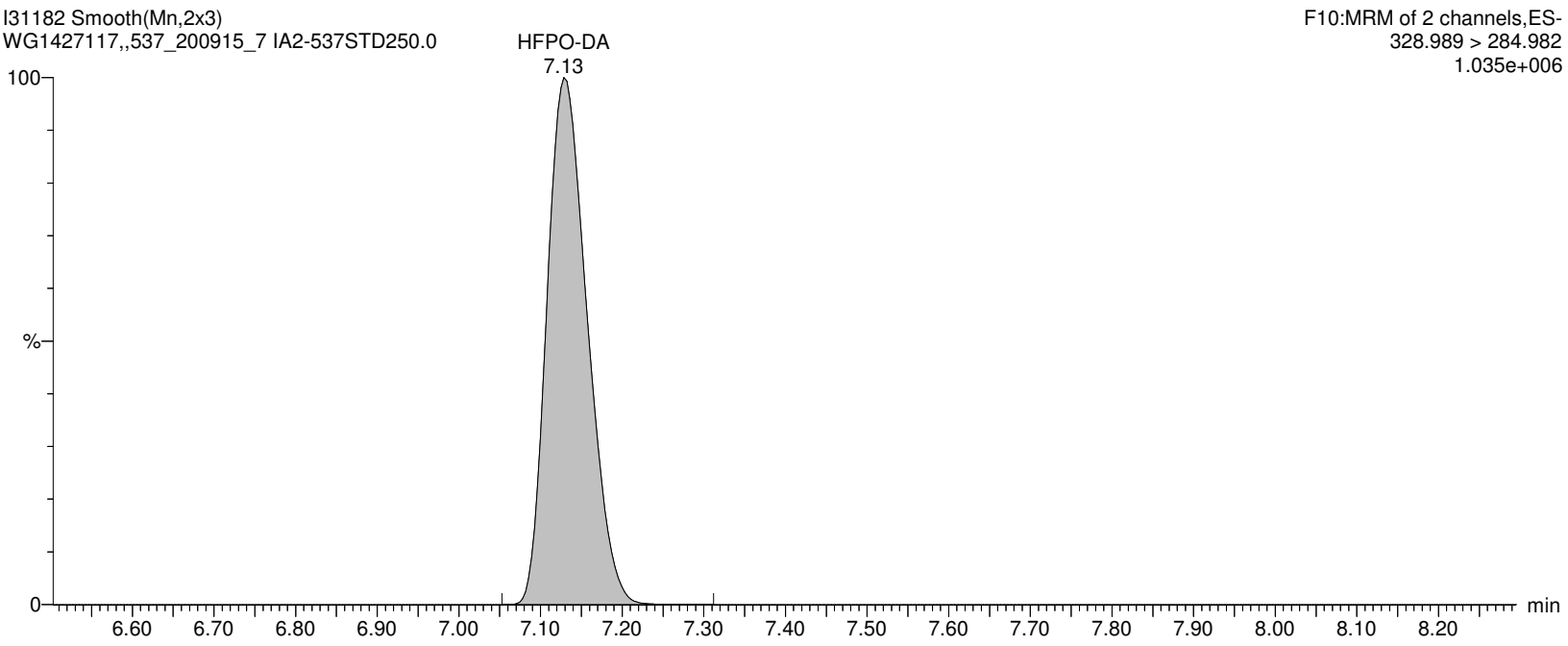
HFPO-DA





all concentration units in (ng/mL)

Alpha Analytical Inc.
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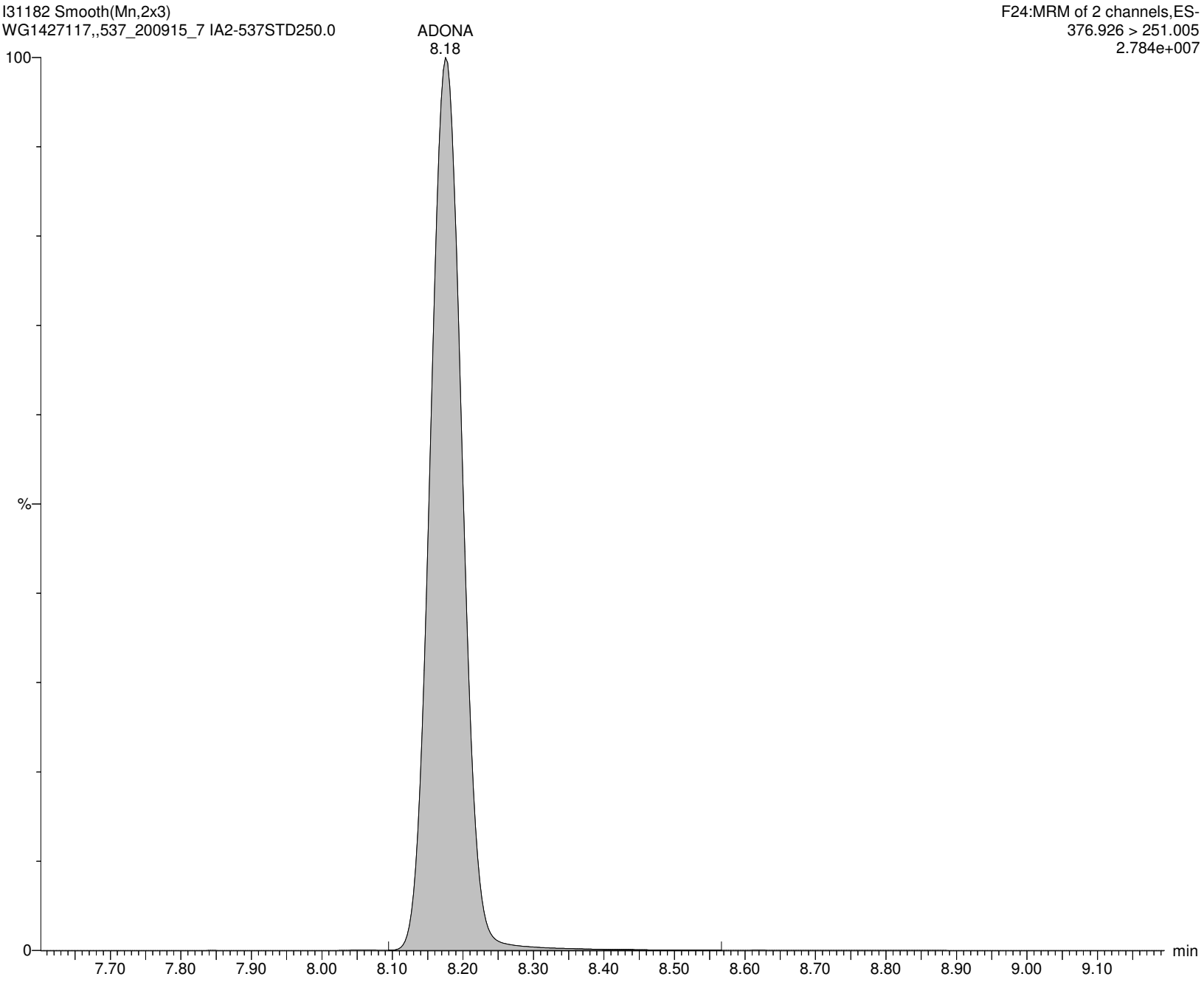

all concentration units in (ng/mL)

Alpha Analytical Inc.
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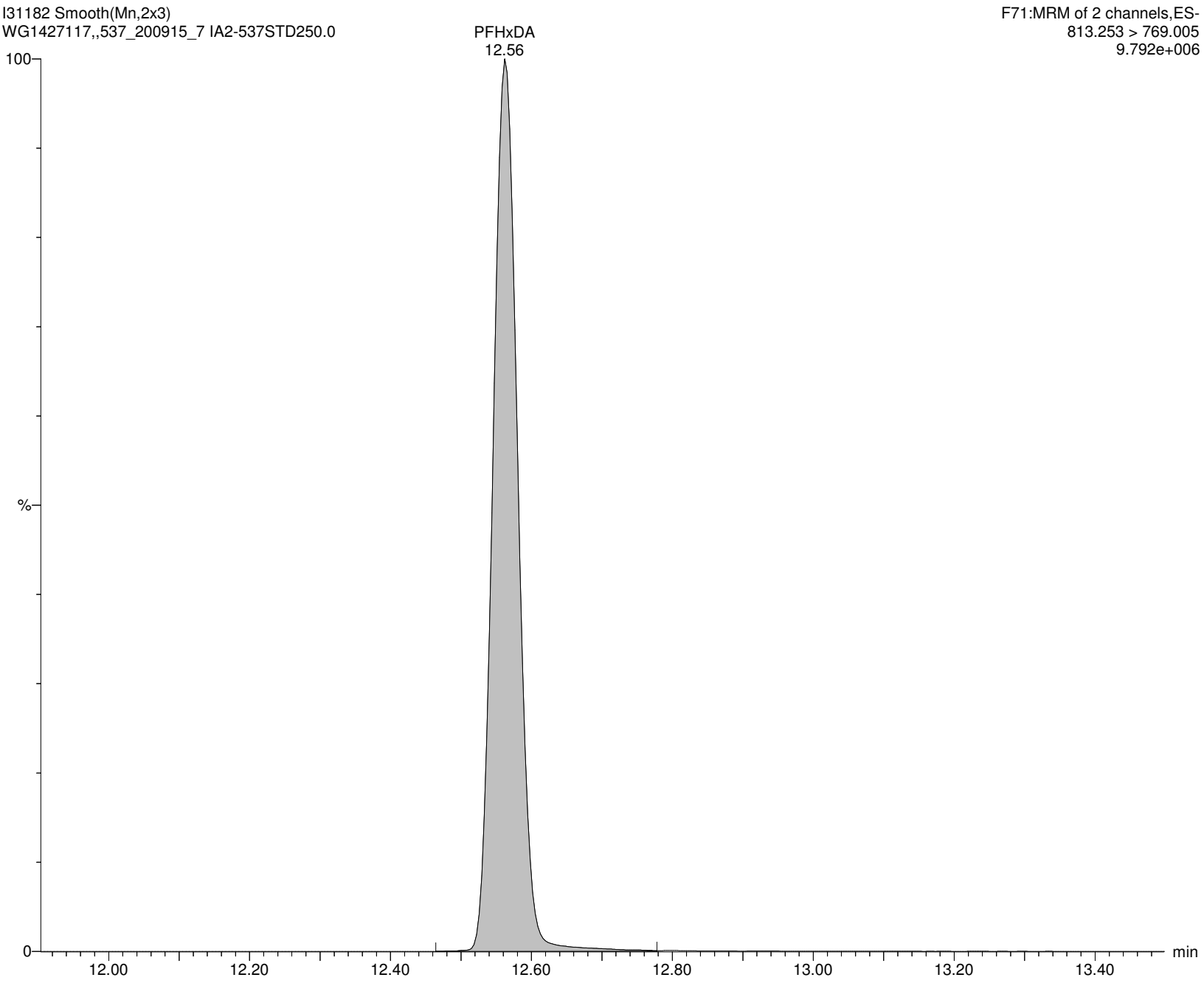

all concentration units in (ng/mL)

Alpha Analytical Inc.
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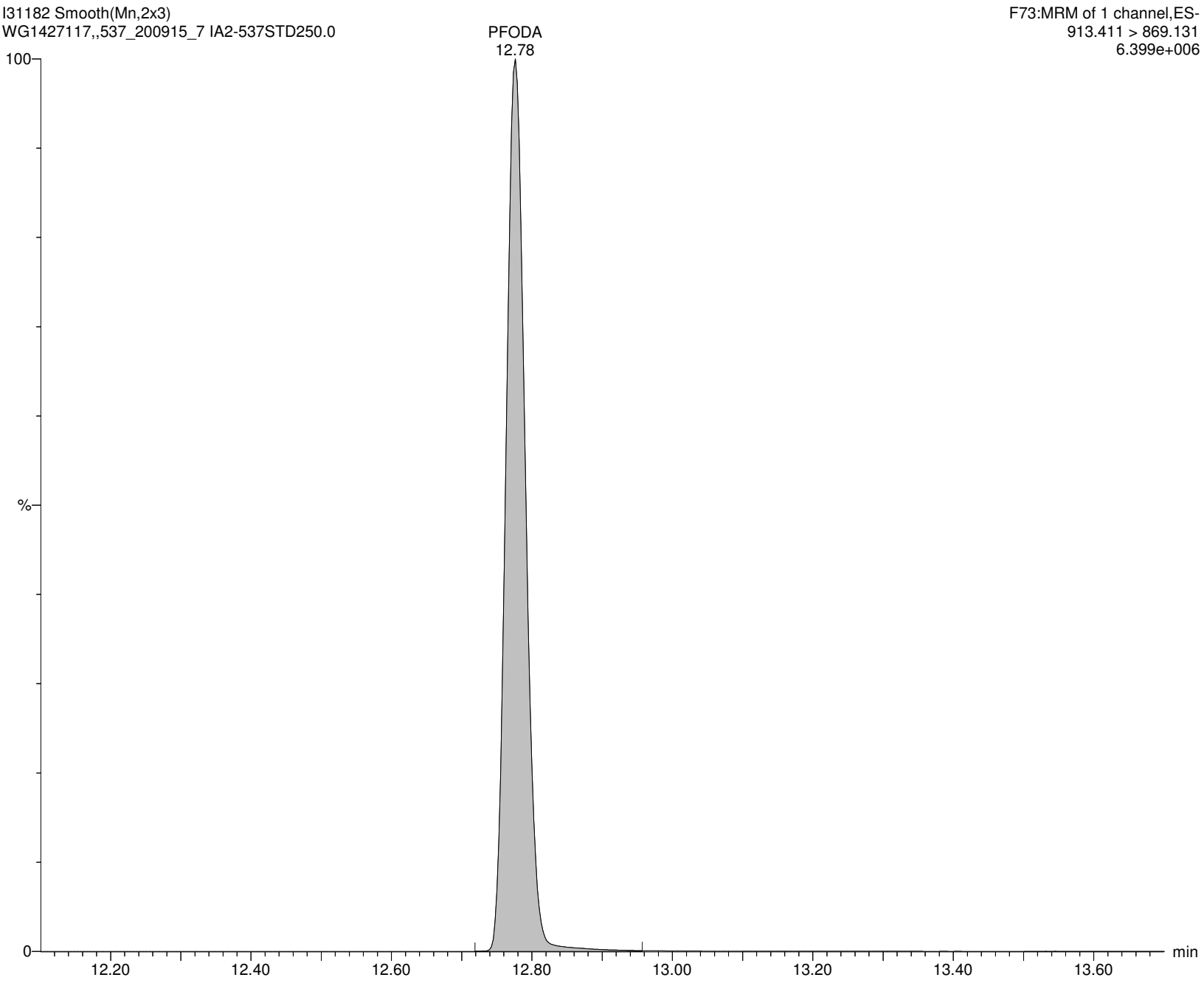

all concentration units in (ng/mL)

Alpha Analytical Inc.
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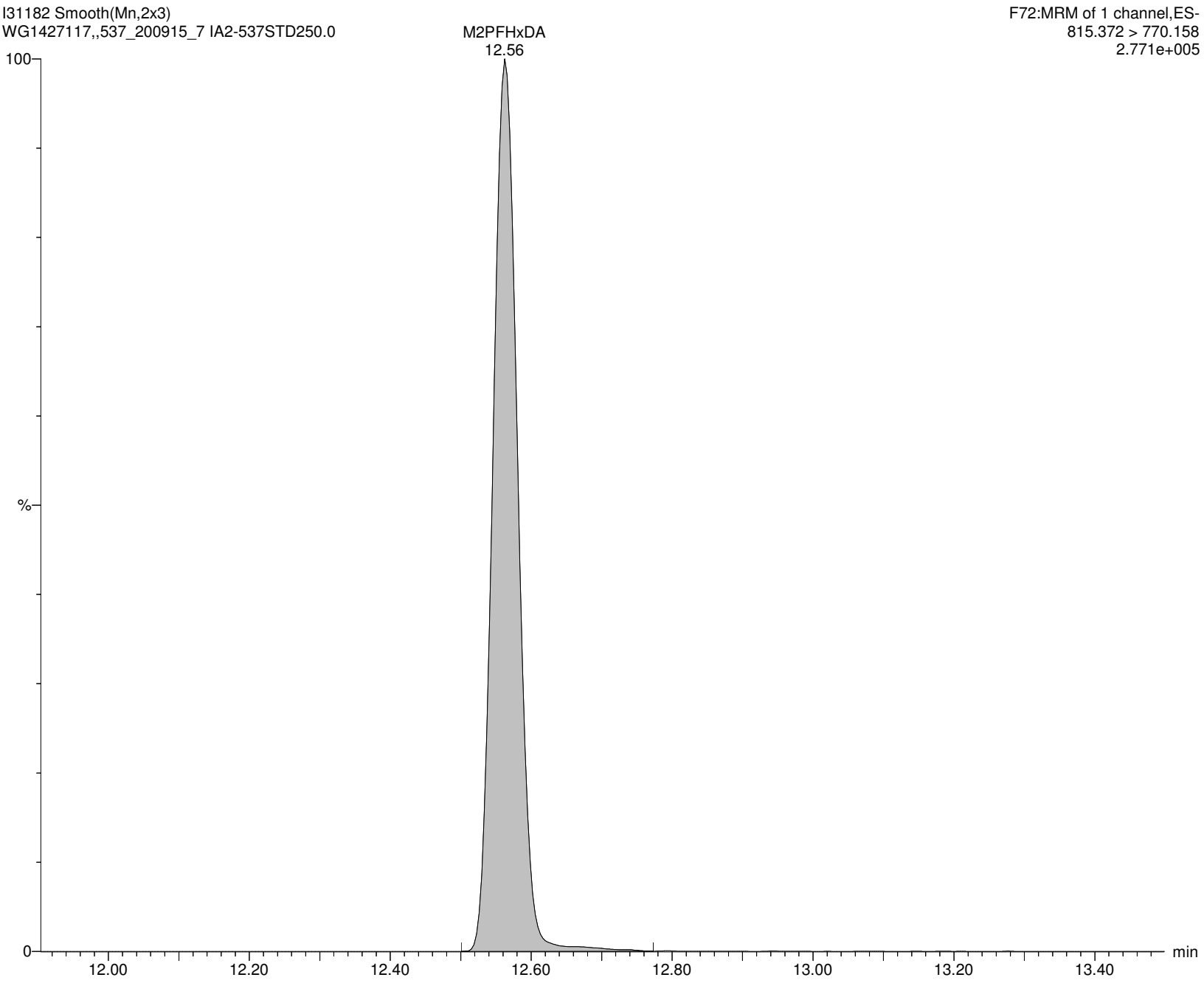

all concentration units in (ng/mL)

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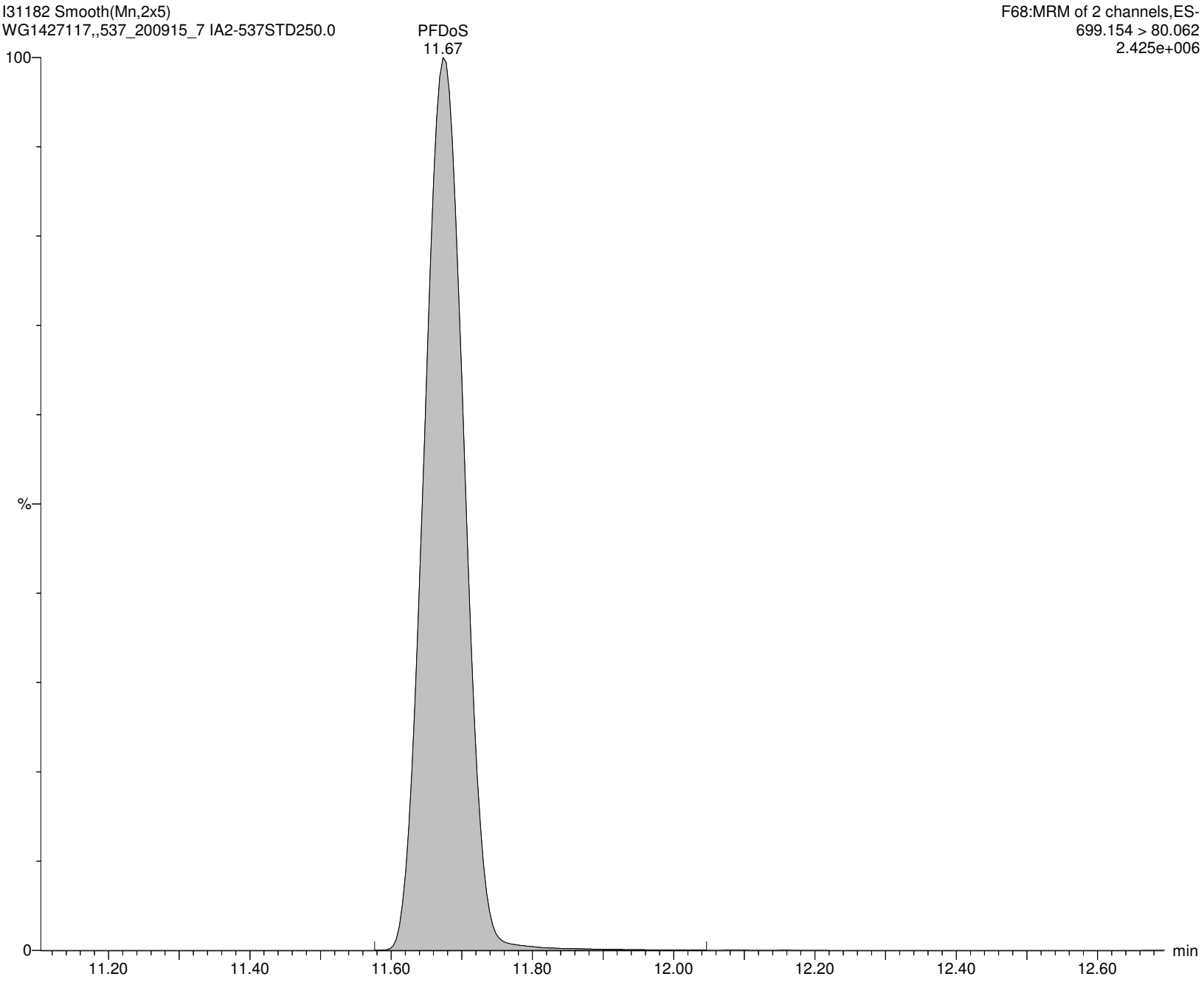

all concentration units in (ng/mL)

Alpha Analytical Inc.
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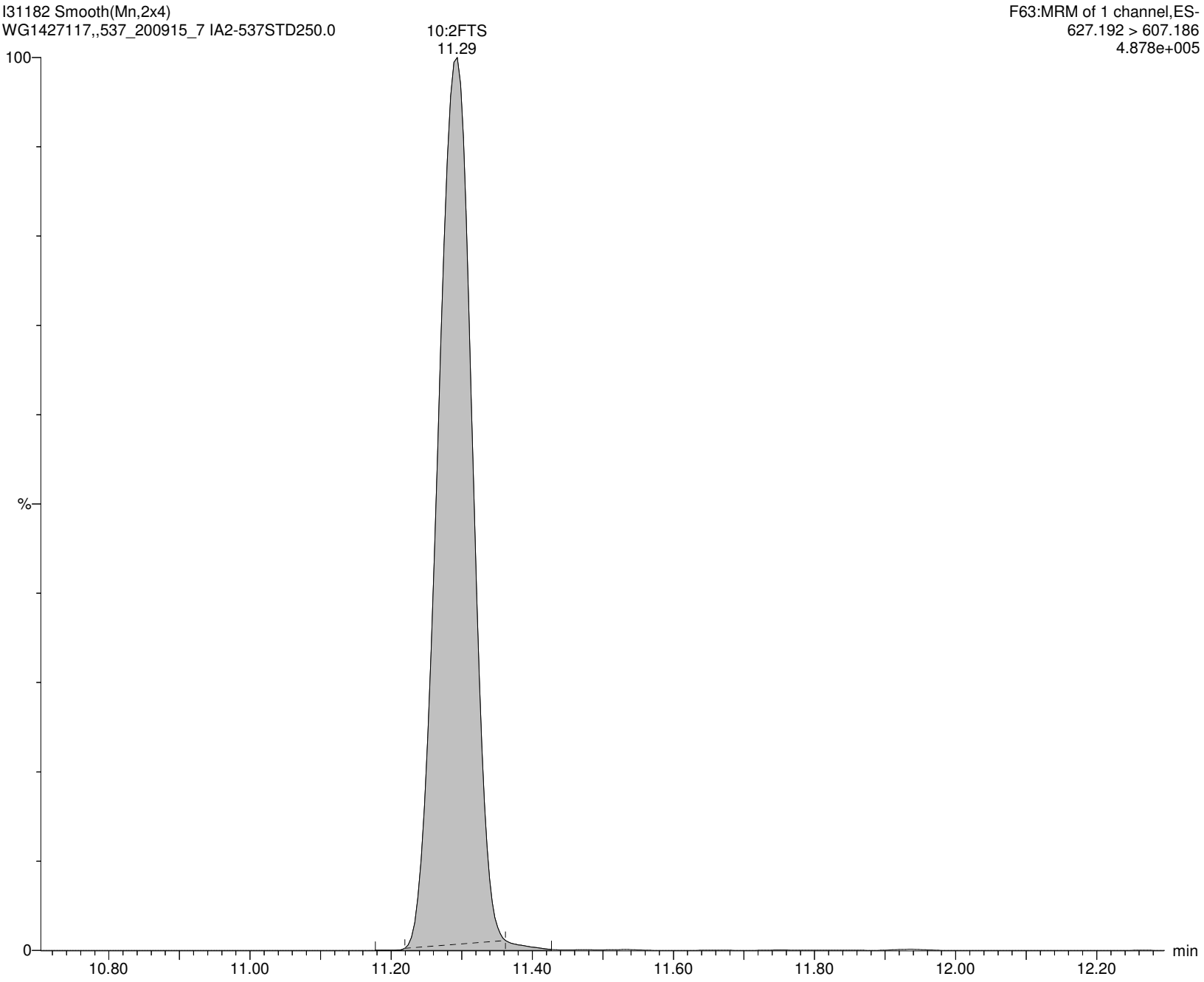

all concentration units in (ng/mL)

Alpha Analytical Inc.
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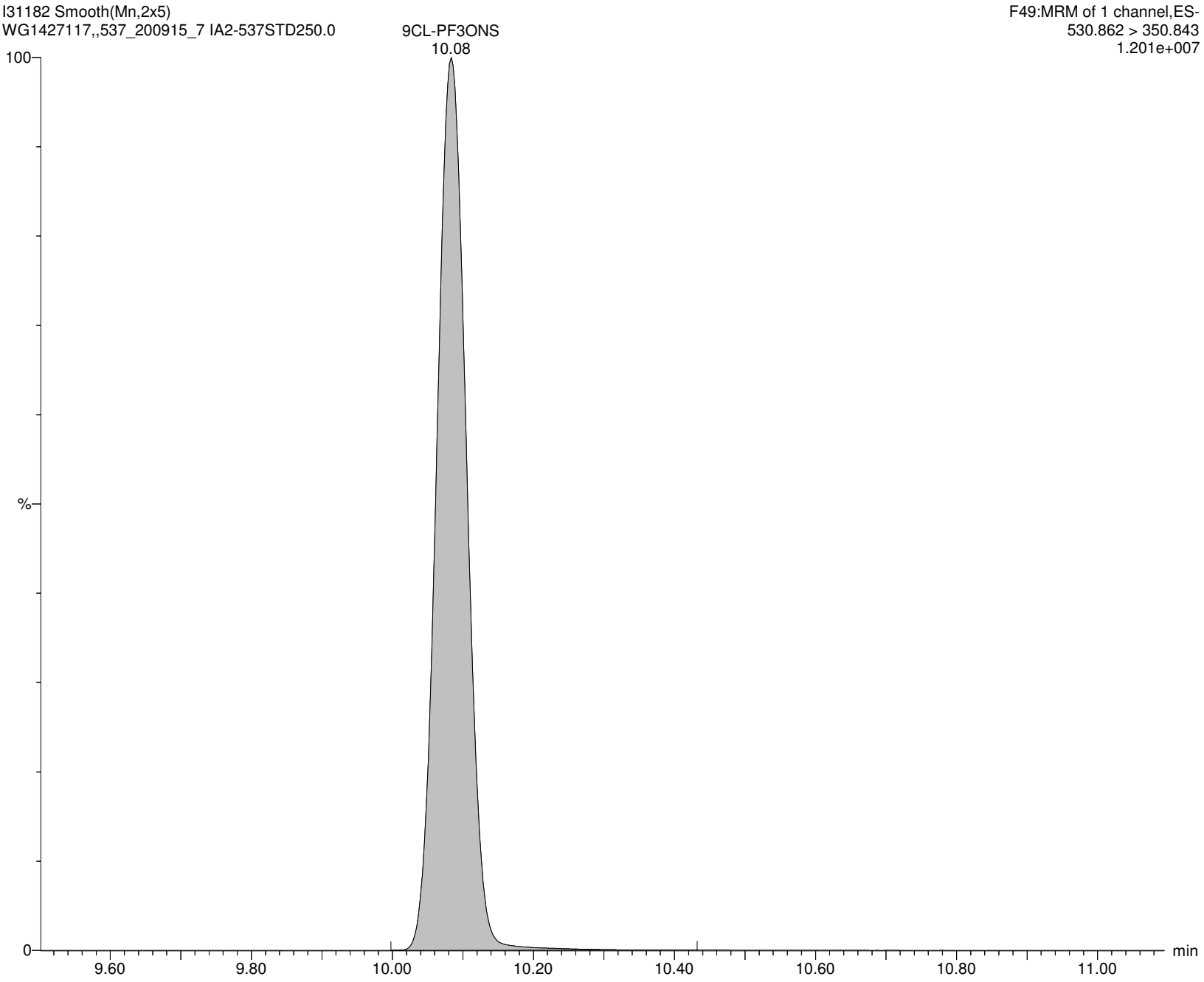
9CL-PF3ONS



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:15:59 Eastern Daylight Time

Name: I31182
ID: IA2-537STD250.0
Date: 27-Oct-2020
Time: 19:19:59
Description: WG1427117,,537_200915_7
User: LCMS02:JW
Vial: 1:A,8
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\200520_TUNE.IPR
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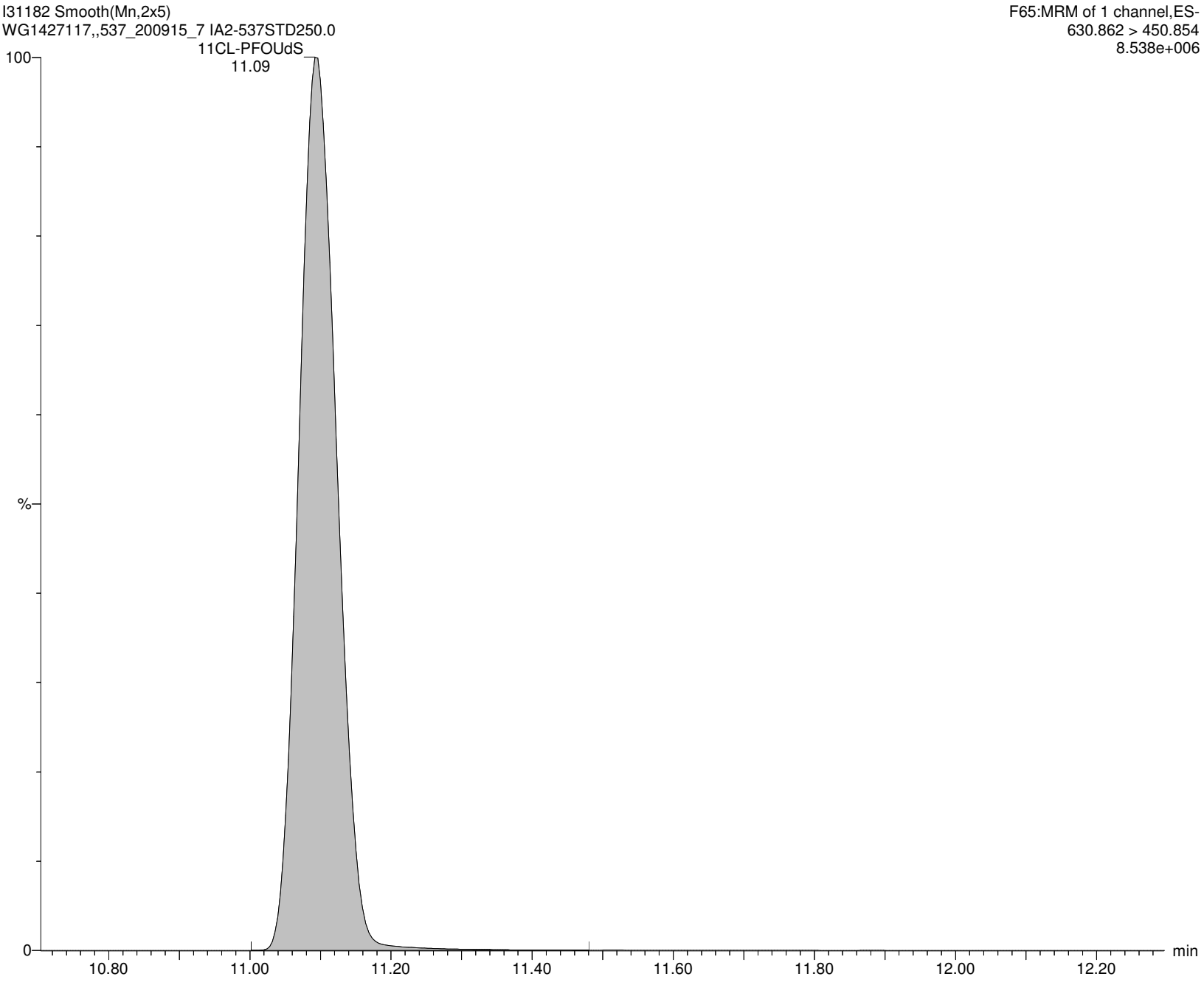
11CL-PFOUdS



all concentration units in (ng/mL)

Alpha Analytical Inc.
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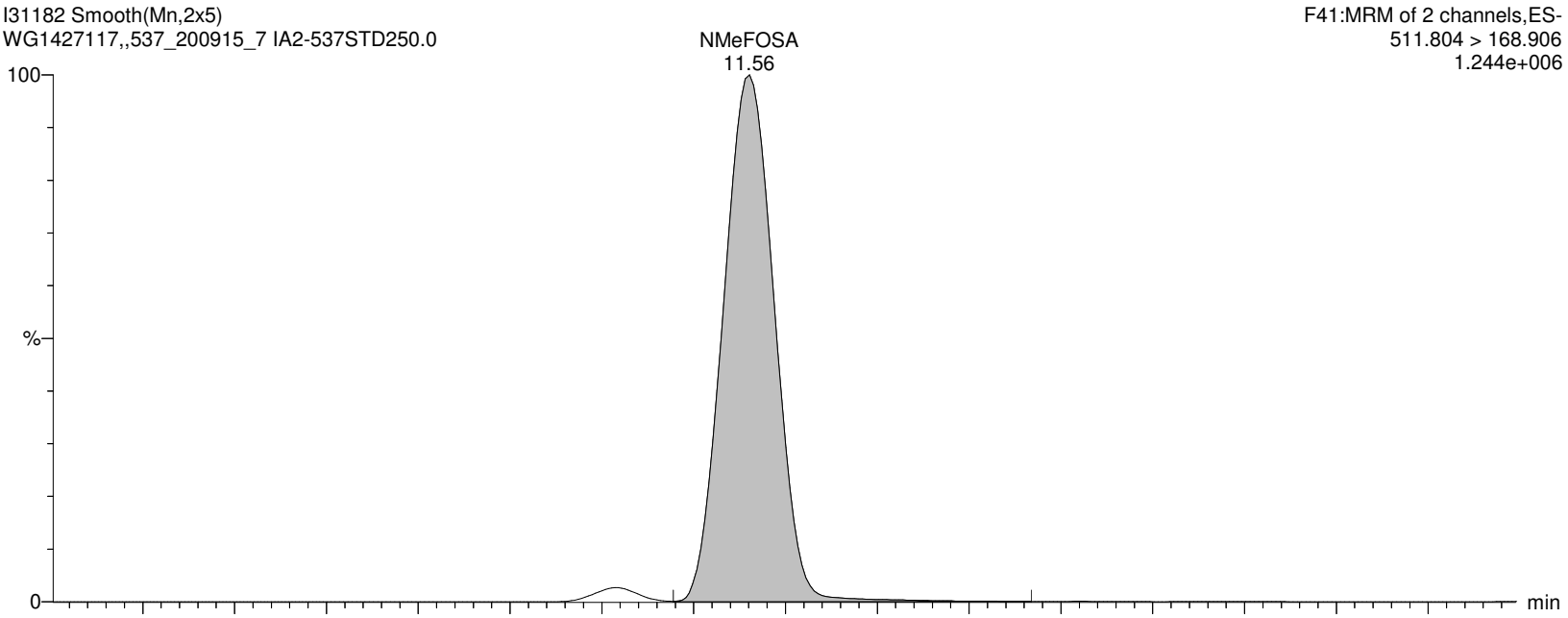
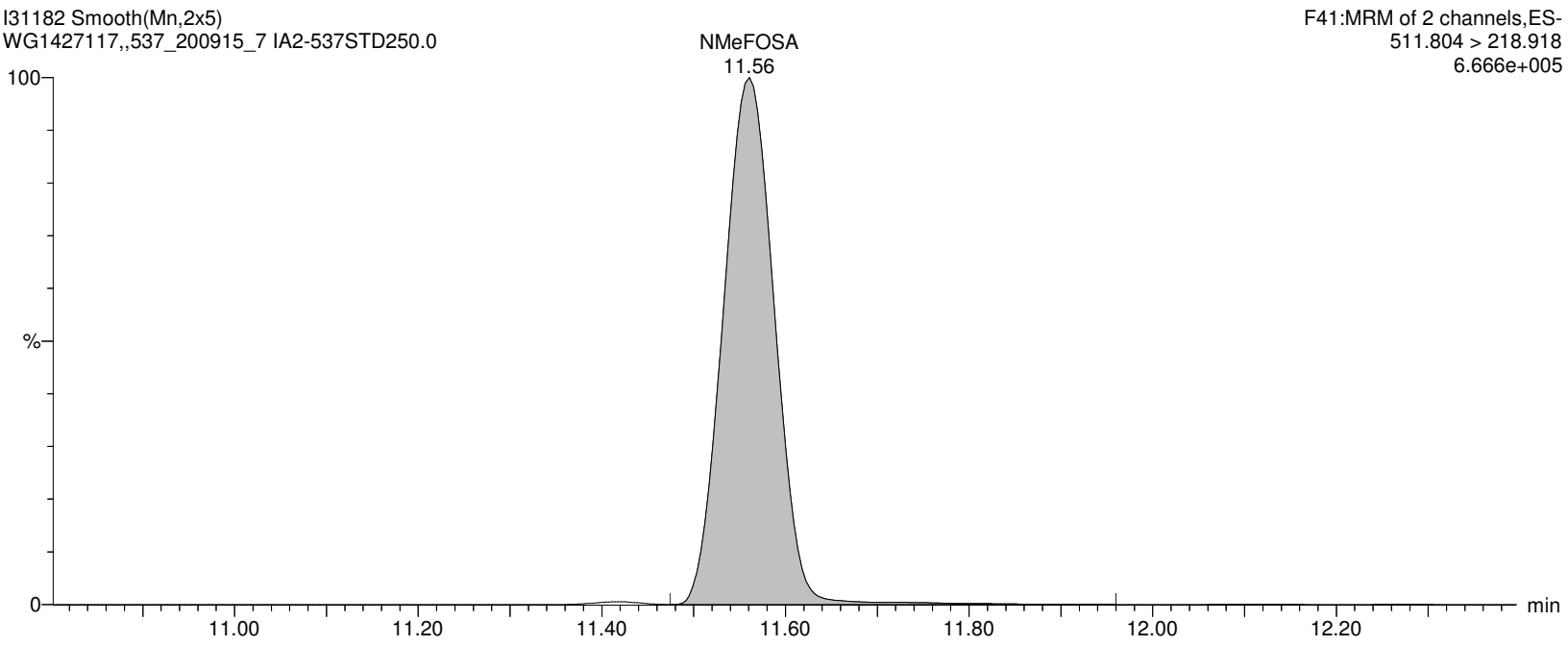
NMeFOSA





all concentration units in (ng/mL)

Alpha Analytical Inc.
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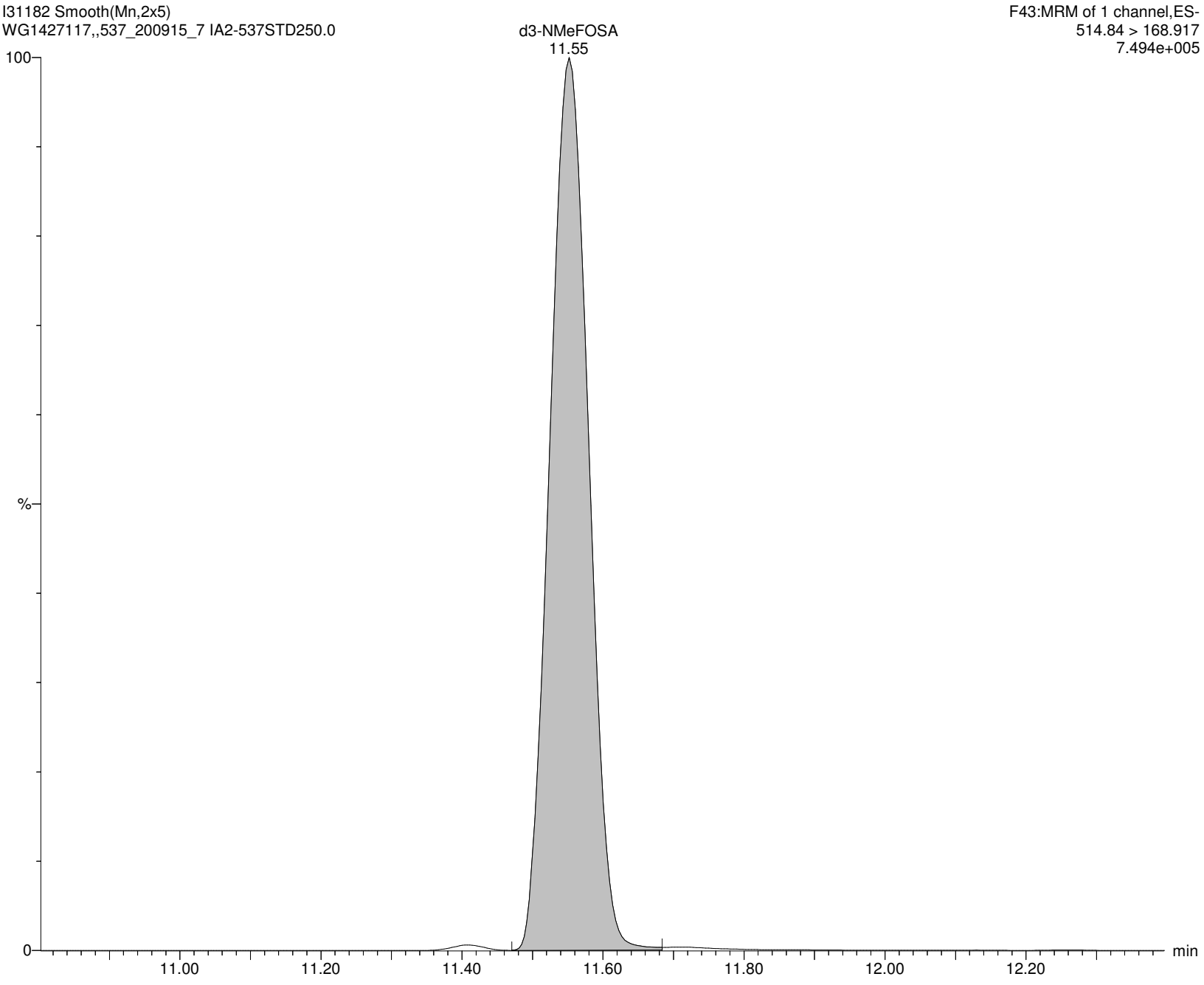
d3-NMeFOSA



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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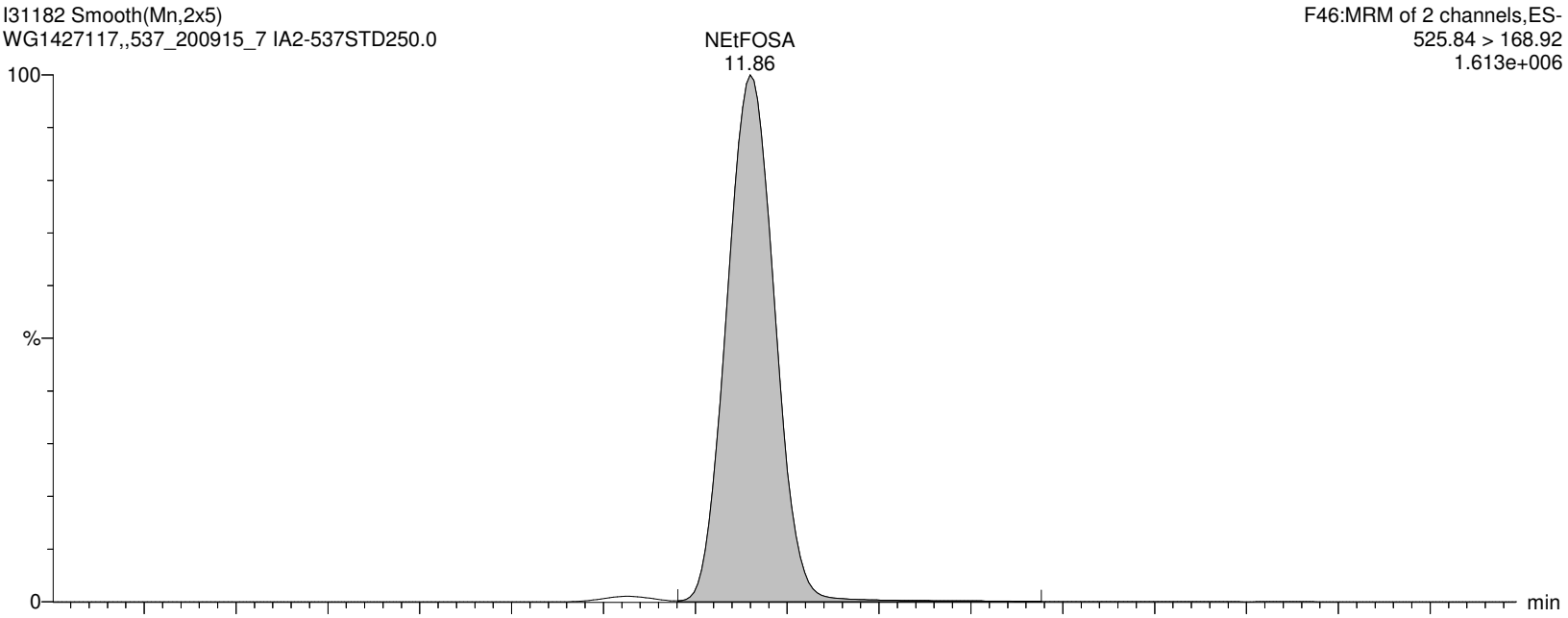
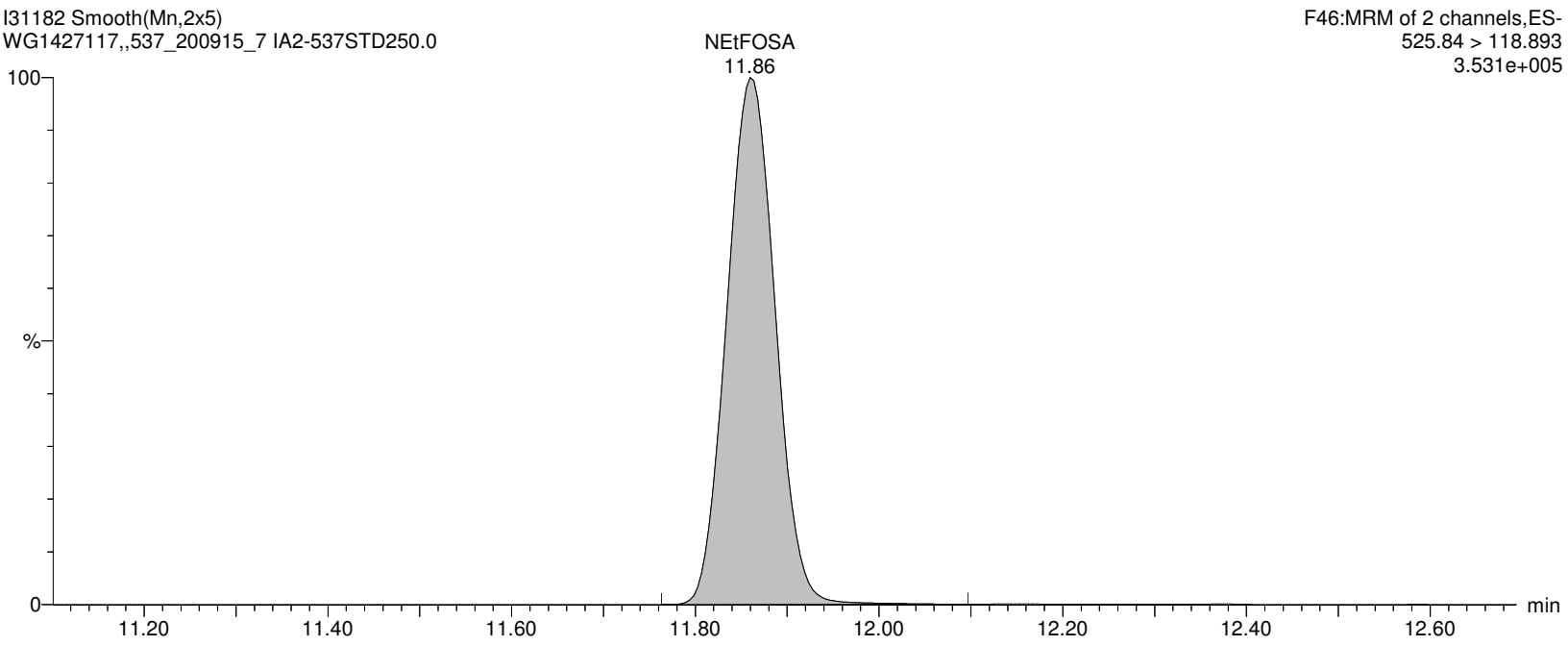
NEtFOSA





all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
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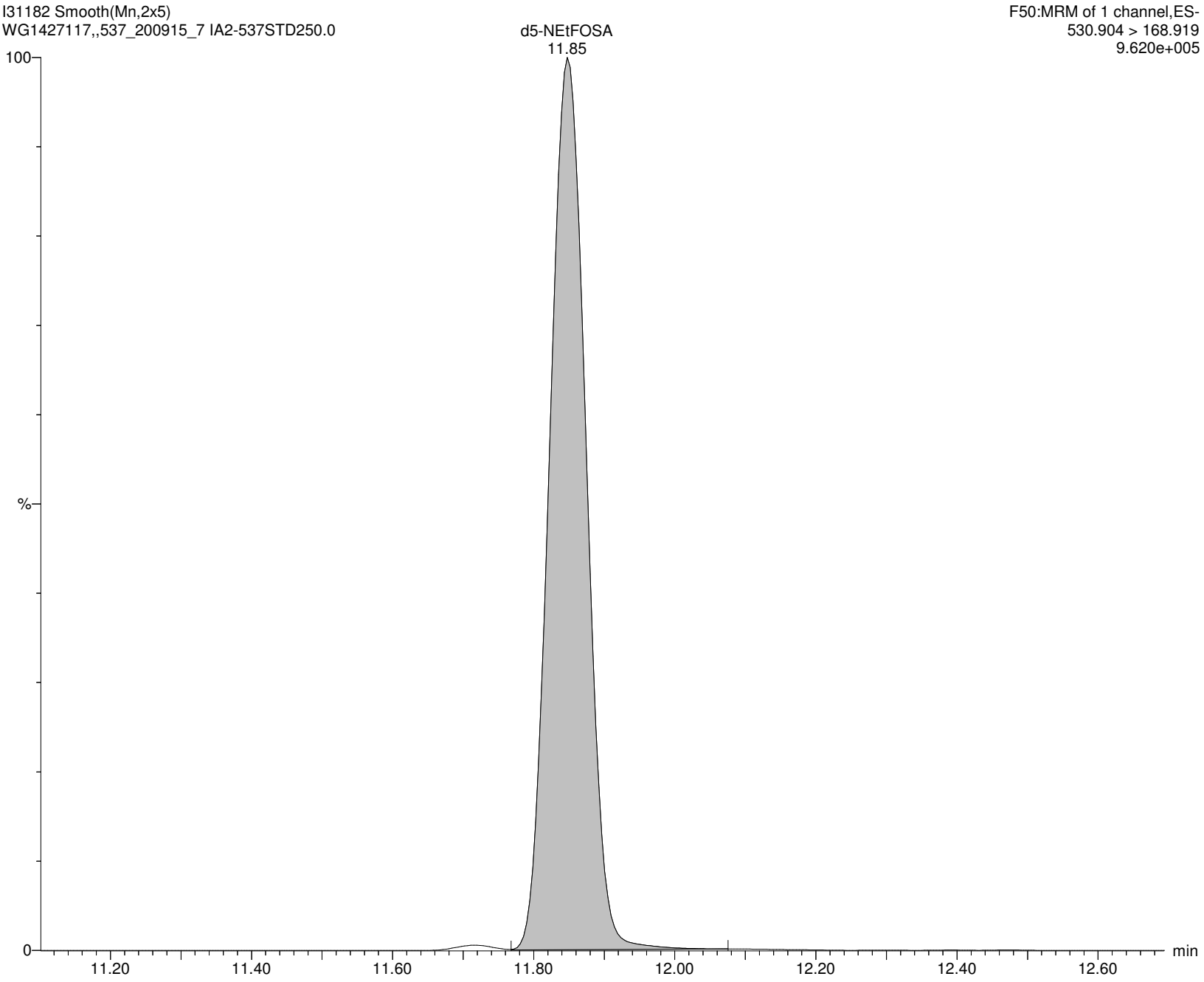
d5-NEtFOSA



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
Last Altered: Wednesday, October 28, 2020 10:14:48 Eastern Daylight Time
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User: LCMS02:JW
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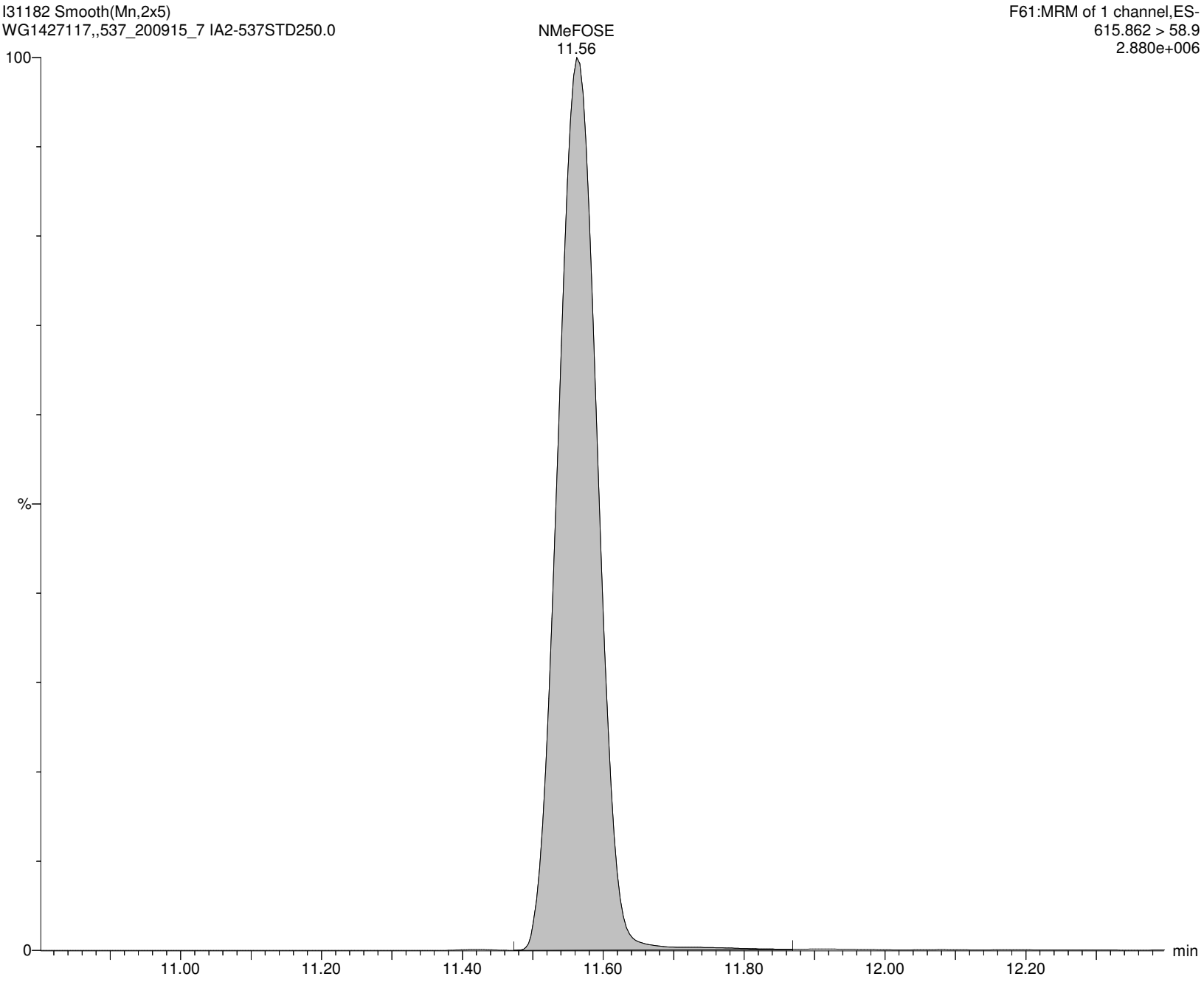
NMeFOSE



all concentration units in (ng/mL)

Alpha Analytical Inc.
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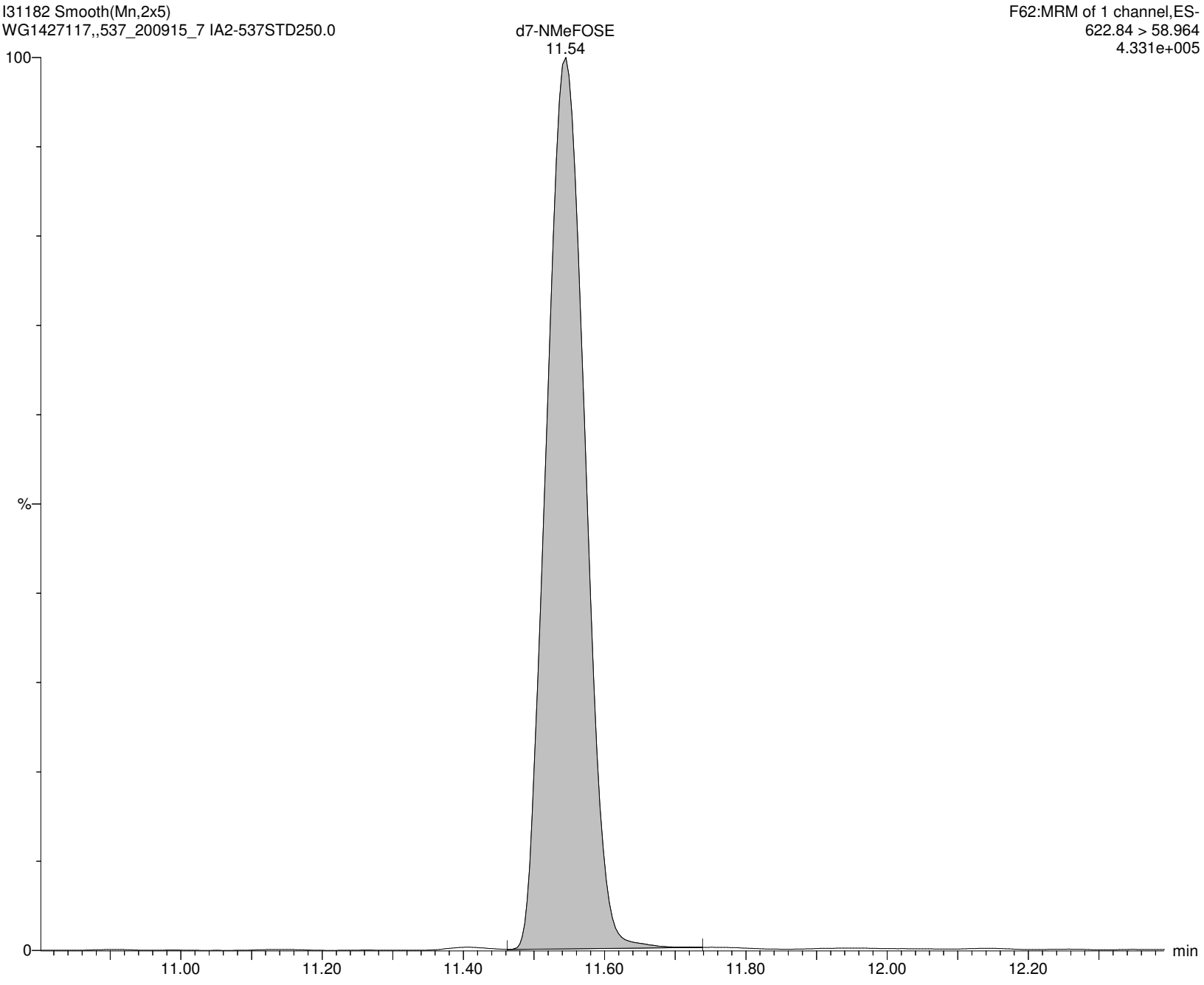
MS Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

d7-NMeFOSE



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
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Date: 27-Oct-2020
Time: 19:19:59
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User: LCMS02:JW
Vial: 1:A,8
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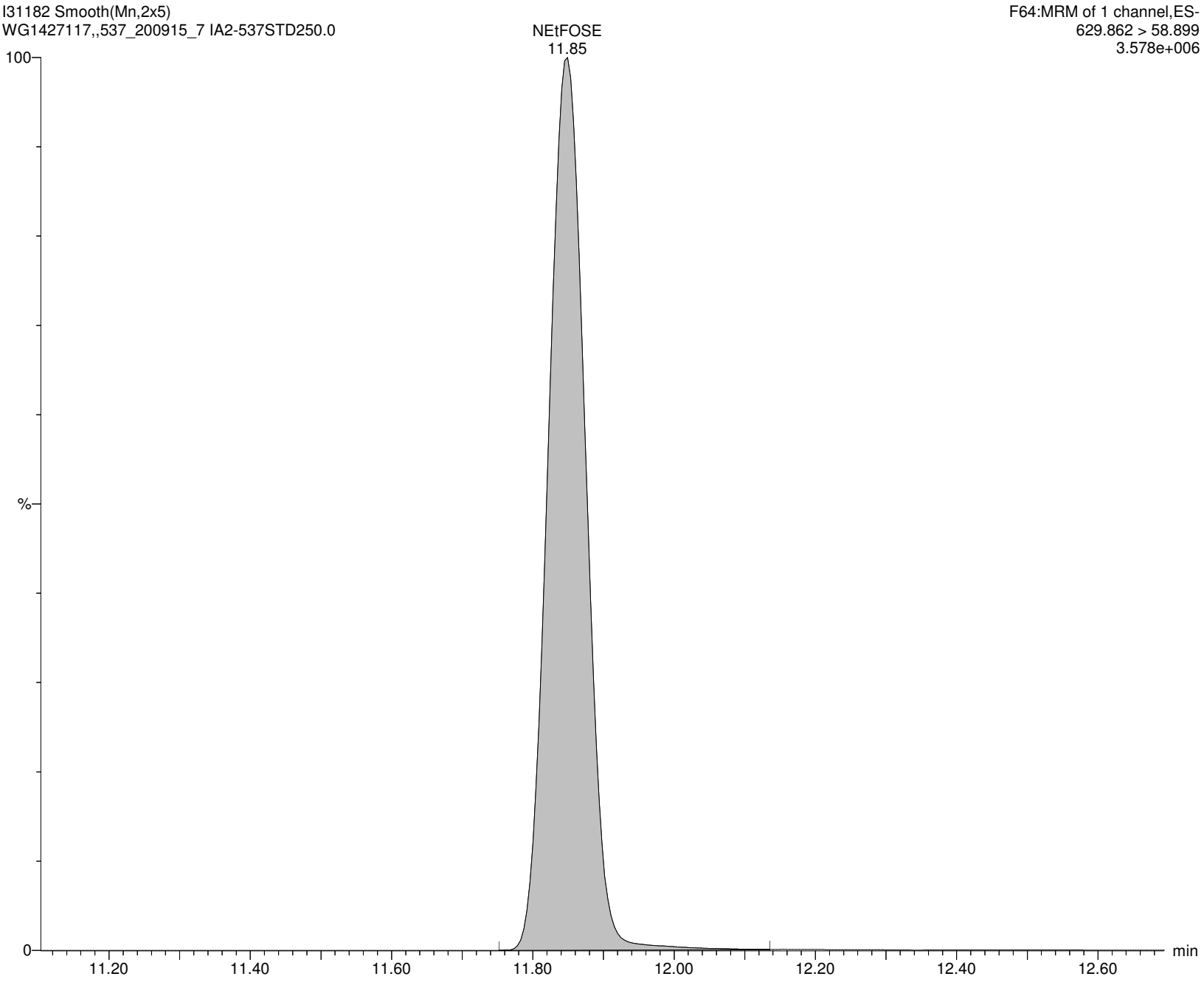
NEtFOSE



all concentration units in (ng/mL)

Alpha Analytical Inc.
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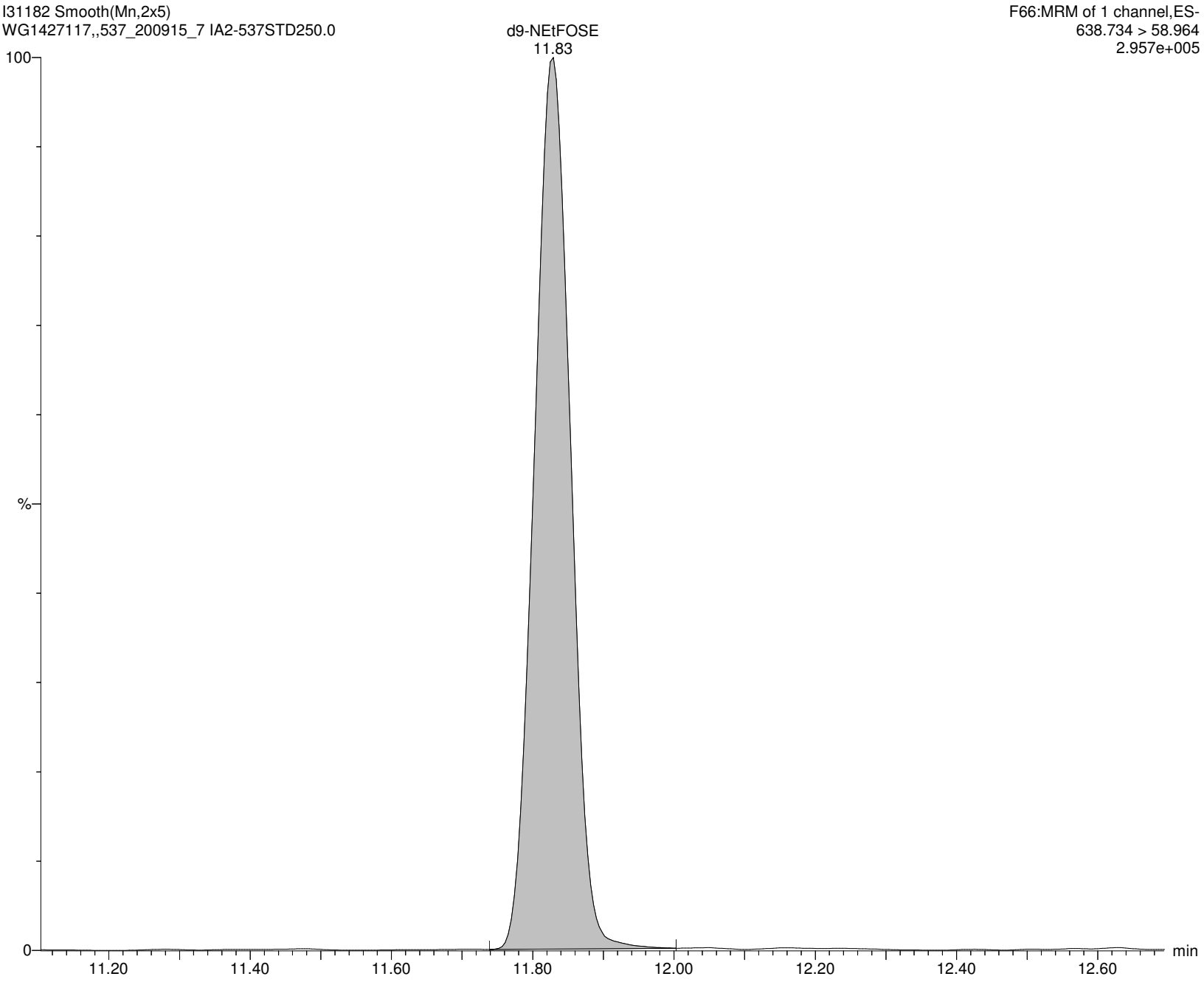
d9-NEtFOSE



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
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Date: 27-Oct-2020
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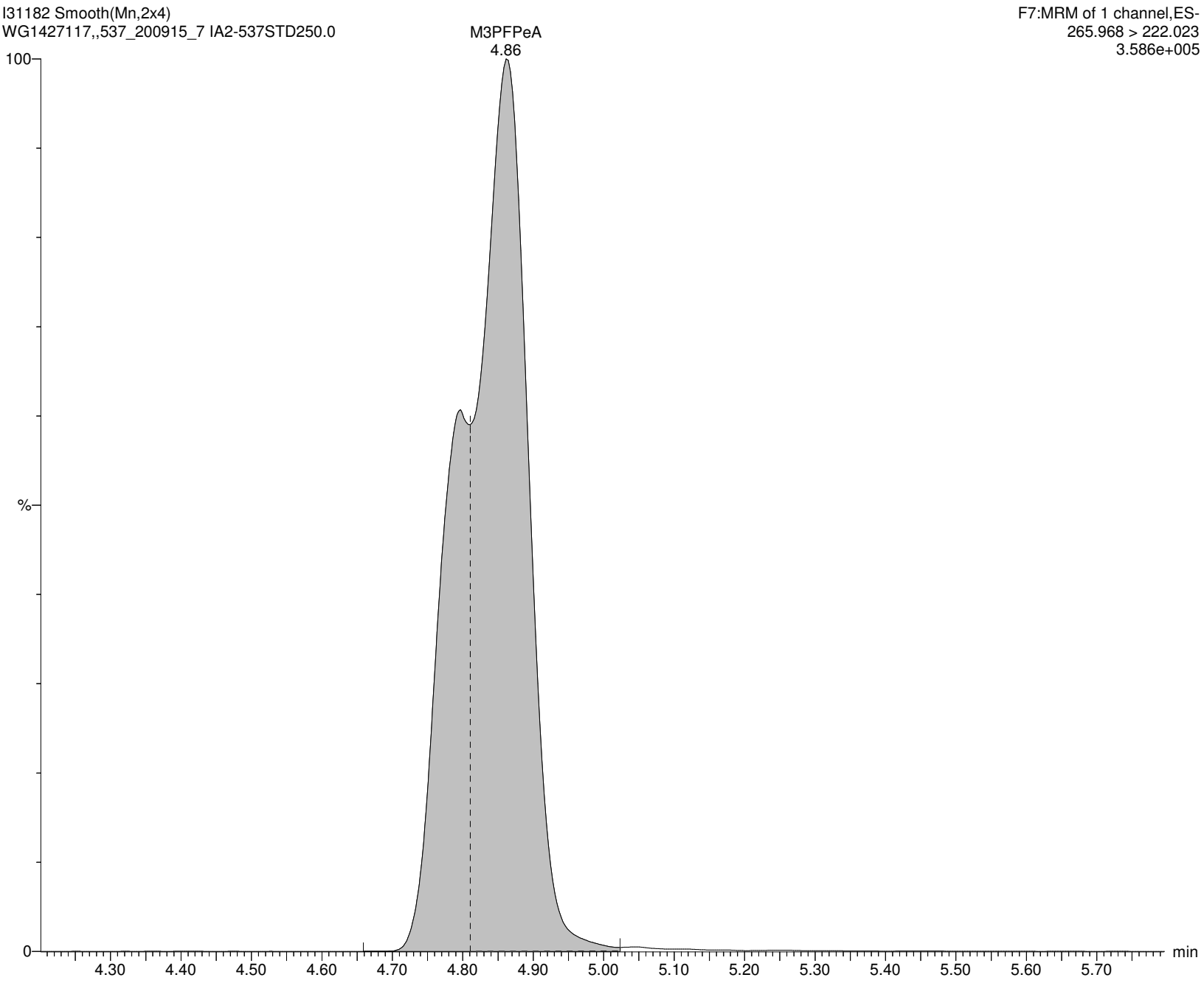

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICAL.qld
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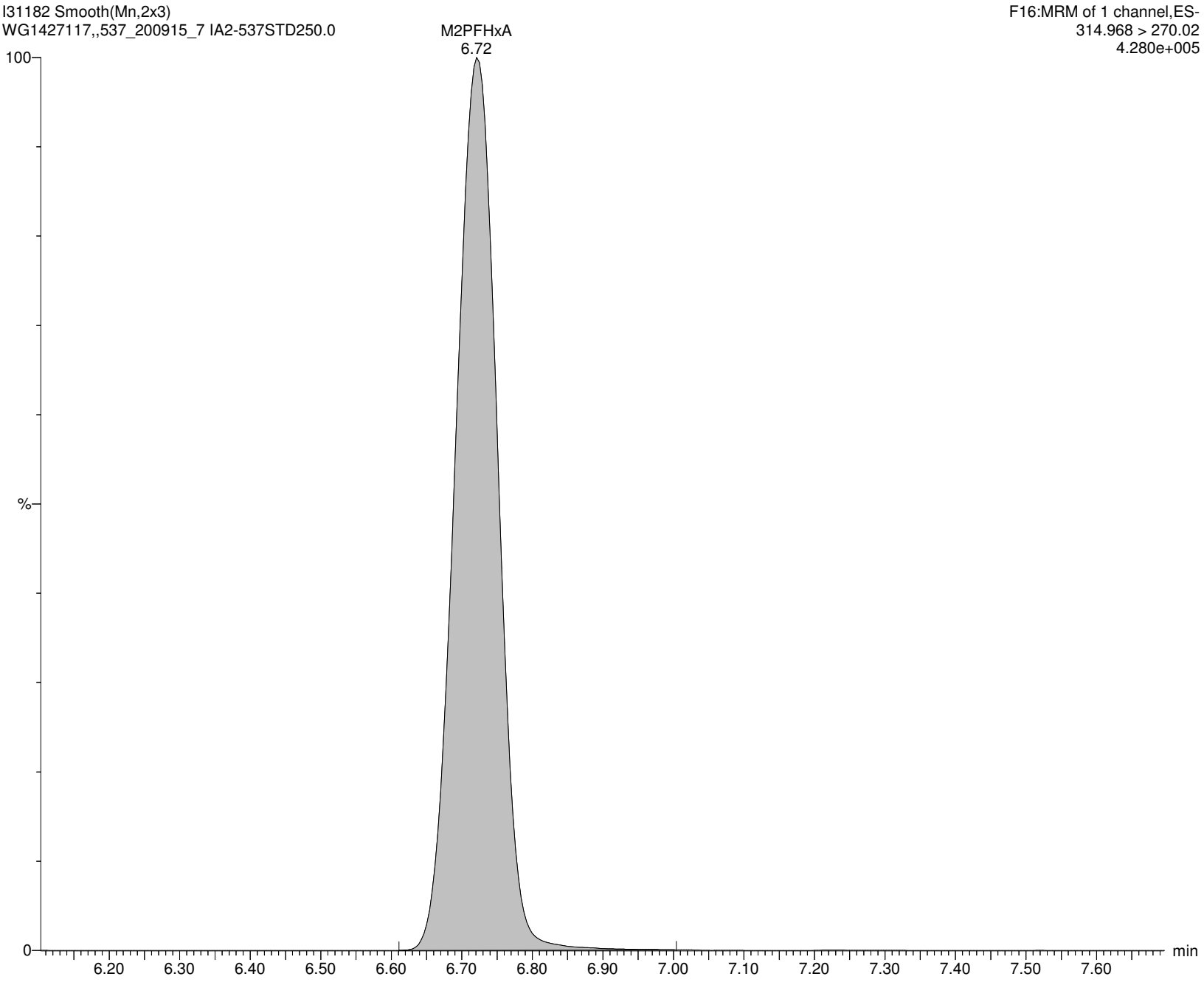

all concentration units in (ng/mL)

Alpha Analytical Inc.
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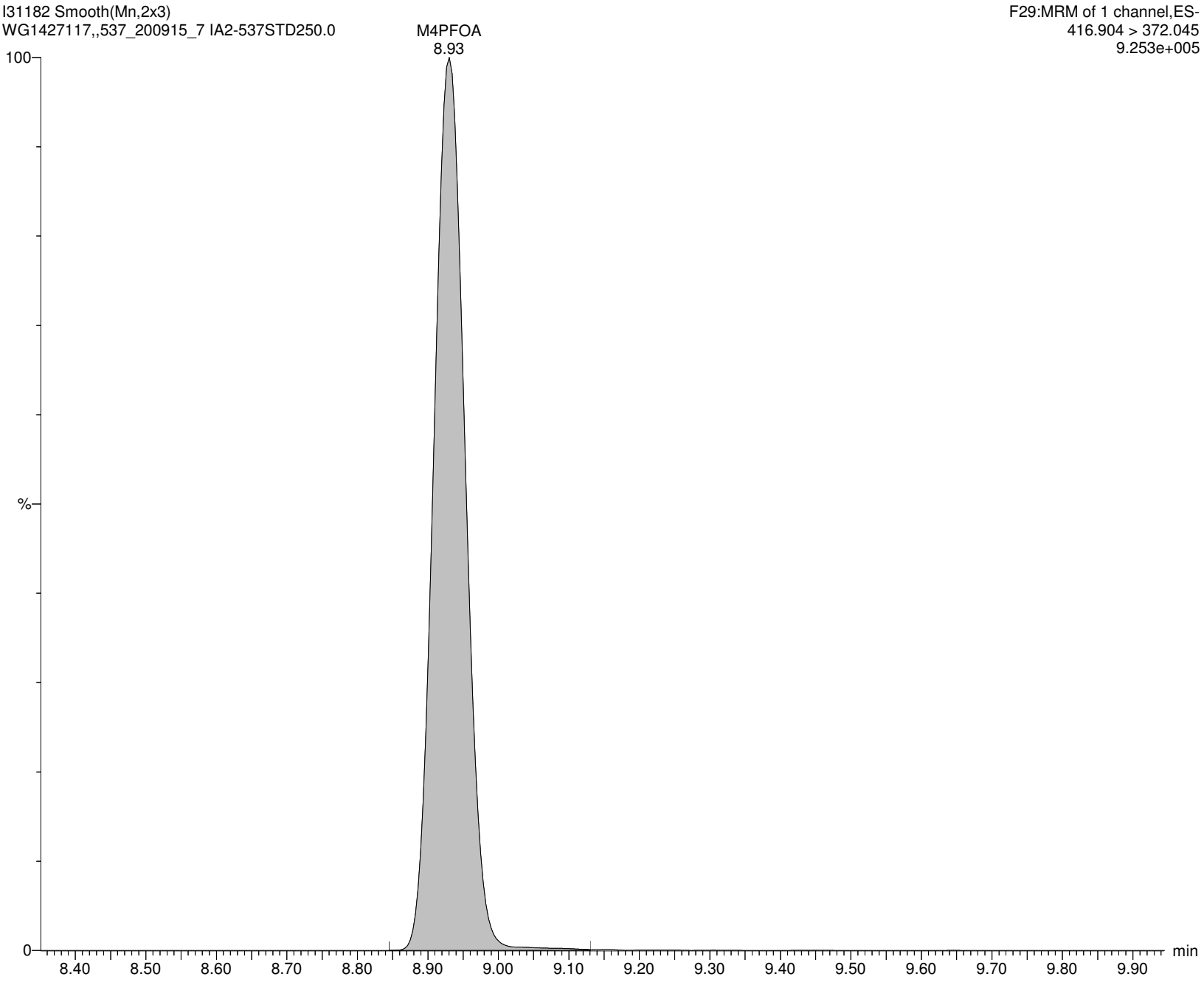

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICV_2.qld
Last Altered: Wednesday, October 28, 2020 10:26:15 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:26:59 Eastern Daylight Time

Method: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\MethDB\537ISO_Q_201027_TOP.mdb 28 Oct 2020 10:15:00
Calibration: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\CurveDB\201027_ISO_ICAL.cdb 28 Oct 2020 10:14:48

ID: CA2-537STD010
Name: I31187
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Time: 20:42:42
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Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:JW
Inlet Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
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MS Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4	2.01	212.926 > 169.111	28031		10.188		na	101.9
2	M3PFBA	INT STD	2.01	215.926 > 172.122	29760		10.133		na	101.3
3	MPFBA	INT STD	2.01	216.926 > 172.137	35962		9.994		na	99.9
4	PFPeA	2706-90-3	4.86	262.926 > 219.002	33453		10.055		na	100.5
5	M5PFPEA	INT STD	4.86	267.989 > 223.081	46474		10.031		na	100.3
6	PFBS	375-73-5	5.50	298.926 > 79.923	9003		9.061	1.92	NO	102.4
7	M3PFBS	INT STD	5.50	301.989 > 80.254	9405		9.285		na	92.9
8	4:2FTS	757124-72-4	6.65	326.926 > 306.957	1751		10.087	2.26	NO	107.9
9	M2-4:2FTS	INT STD	6.65	329.117 > 309.079	2840		7.653		na	76.5
10	PFHxA	307-24-4	6.73	312.989 > 269.028	40713		10.695	14.77	NO	106.9
11	M5PFHxA	INT STD	6.73	317.989 > 273.045	41746		9.727		na	97.3
12	PFPeS	2706-91-4	7.05	348.926 > 80.251	7609		9.225	2.14	NO	98.1
13	PFHpA	375-85-9	7.99	362.926 > 319.014	52564		10.313	5.64	NO	103.1
14	M4PFHpA	INT STD	7.99	366.926 > 321.979	52774		9.800		na	98.0
15	br-PFHxS	355-46-4	7.92	398.926 > 80.295	1404	m5,m7	1.976	1.98	NO	116.2
16	L-PFHxS	355-46-4	8.16	398.926 > 80.295	6725		7.532	1.48	NO	101.8
17	PFHxS	355-46-4		398.926 > 80.295	8128		9.508		na	
18	M3PFHxS	INT STD	8.16	401.926 > 80.317	8592		9.584		na	95.8
19	br-PFOA	335-67-1		412.989 > 368.9			ND		YES	
20	L-PFOA	335-67-1	8.93	412.989 > 368.9	60901		10.029	7.82	YES	100.3
21	M2PFOA	INT STD	8.93	415.032 > 369.968	66074		10.580		na	105.8
22	PFOA	335-67-1		412.989 > 368.9	60901		10.029		na	
23	M8PFOA	INT STD	8.93	420.989 > 375.979	72672		10.016		na	100.2
24	6:2FTS	27619-97-2	8.89	427.161 > 407.155	2628		11.044	21.78	YES	116.2
25	M2-6:2FTS	INT STD	8.89	429.146 > 409.14	3037		7.488		na	74.9
26	PFHpS	375-92-8	9.03	448.926 > 80.257	6704		9.370	1.06	NO	98.6
27	PFNA	375-95-1	9.68	462.989 > 418.931	53965		10.011	3.22	NO	100.1
28	M9PFNA	INT STD	9.68	472.053 > 426.947	28861		10.387		na	103.9
29	br-PFOS	1763-23-1	9.55	498.989 > 80.294	2533	m5,m7	2.233	5.37	YES	111.7
30	L-PFOS	1763-23-1	9.74	498.989 > 80.294	6953		7.420	1.72	NO	101.6
31	PFOS	1763-23-1		498.989 > 80.294	9486		9.653		na	
32	M4PFOS	INT STD	9.74	503.032 > 80.306	8277		11.079		na	110.8
33	M8PFOS	INT STD	9.74	507.053 > 80.294	10256		9.918		na	99.2
34	PFDA	335-76-2	10.30	513.053 > 468.906	44909		10.056	4.51	NO	100.6
35	M2PFDA	INT STD	10.30	515.053 > 469.934	46912		10.800		na	108.0
36	M6PFDA	INT STD	10.30	519.053 > 473.931	52079		10.151		na	101.5
37	8:2FTS	39108-34-4	10.29	527.177 > 507.171	1460	m7	11.086	293.12	YES	115.5
38	M2-8:2FTS	INT STD	10.28	529.162 > 509.155	2315		8.193		na	81.9
39	PFNS	68259-12-1	10.33	548.989 > 80.249	8429		10.392	1.52	NO	108.2

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICV_2.qld
Last Altered: Wednesday, October 28, 2020 10:26:15 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:26:59 Eastern Daylight Time

ID: CA2-537STD010
Name: I31187
Date: 27-Oct-2020
Time: 20:42:42
Description: WG1427117,,537_ICV_200521
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:JW
Inlet Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\200520_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.71	573.22 > 419.061	4413	m4	8.251		na	82.5
41	br-NMeFOSAA			570.202 > 419.061			ND		YES	
42	L-NMeFOSAA		10.71	570.202 > 419.061	4298		10.618	2.39	YES	139.7
43	NMeFOSAA	2355-31-9		570.202 > 419.061	4298		10.618		na	
44	PFUnA	2058-94-8	10.83	562.989 > 518.903	44646		10.425	6.45	NO	104.2
45	M7-PFUDA	INT STD	10.83	570.053 > 524.923	45925		10.475		na	104.7
46	PFDS	335-77-3	10.84	598.926 > 80.314	8398		10.627	1.55	NO	110.1
47	FOSA	754-91-6	10.94	498.146 > 78.07	28711		9.985	116.44	NO	99.8
48	M8FOSA	INT STD	10.93	506.077 > 78.07	32953		9.710		na	97.1
49	br-NEtFOSAA			584.229 > 419.061			ND		YES	
50	L-NEtFOSAA		11.01	584.229 > 419.061	3509		10.888	3.30	NO	140.5
51	NEtFOSAA	2991-50-6		584.229 > 419.061	3509		10.888		na	
52	d5-NEtFOSAA	INT STD	11.00	589.259 > 419.061	3984		9.341		na	93.4
53	PFDoA	307-55-1	11.28	612.989 > 568.967	50780		10.299	12.05	NO	103.0
54	MPFDOA	INT STD	11.28	614.989 > 569.92	49950		10.142		na	101.4
55	PFTrDA	72629-94-8	11.68	663.053 > 618.969	56865		11.094	10.16	NO	110.9
56	PFTA	376-06-7	12.03	713.053 > 668.976	46753		10.435	6.99	NO	104.4
57	M2PFTEDA	INT STD	12.03	715.094 > 670.092	23498		9.716		na	97.2
58	M3HFPO-DA	INT STD	7.15	287.02 > 169.022	5972		228.155		na	114.1
59	HFPO-DA	13252-13-6	7.15	284.819 > 169.094	6009		225.142	5.99	NO	112.6
60	ADONA	958445-44-8	8.17	376.926 > 251.005	76267		9.719		na	102.7
61	PFHxDA		12.57	813.253 > 769.005	21304		10.787		na	107.9
62	PFODA		12.78	913.411 > 869.131	9667		9.560		na	95.6
63	M2PFHxDA		12.56	815.372 > 770.158	14264		9.767		na	97.7
64	PFDoS		11.68	699.154 > 80.062	10137		11.559		na	115.6
65	10:2FTS		11.29	627.192 > 607.186	1893	m4	13.123		na	136.1
66	9CL-PF3ONS		10.08	530.862 > 350.843	29803		8.713		na	93.5
67	11CL-PFOUdS		11.10	630.862 > 450.854	25384		8.198		na	87.0
68	NMeFOSA		11.55	511.804 > 168.906	3599		10.425	1.98	NO	104.2
69	d3-NMeFOSA		11.55	514.84 > 168.917	53286		103.415		na	94.0
70	NEtFOSA		11.85	525.84 > 168.92	4433		10.185	4.32	NO	101.8
71	d5-NEtFOSA		11.84	530.904 > 168.919	66420		105.168		na	95.6
72	NMeFOSE		11.56	615.862 > 58.9	9113		10.164		na	101.6
73	d7-NMeFOSE		11.54	622.84 > 58.964	33452		107.011		na	97.3
74	NEtFOSE		11.84	629.862 > 58.899	11542		11.395		na	114.0
75	d9-NEtFOSE		11.82	638.734 > 58.964	20298		111.669		na	101.5
76	M3PFPeA		4.87	265.968 > 222.023	43799		10.393		na	103.9
77	M2PFHxA		6.73	314.968 > 270.02	34726		10.491		na	104.9
78	M4PFOA		8.93	416.904 > 372.045	61943		10.962		na	109.6

all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Wednesday, October 28, 2020 10:26:15 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:26:59 Eastern Daylight Time

Method: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\MethDB\537ISO_Q_201027_TOP.mdb 28 Oct 2020 10:15:00
Calibration: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\CurveDB\201027_ISO_ICAL.cdb 28 Oct 2020 10:14:48

Name: I31187
ID: CA2-537STD010
Date: 27-Oct-2020
Time: 20:42:42
Description: WG1427117,,537_ICV_200521
User: LCMS02:JW
Vial: 1:B,1
Instrument: XEVO-TQSmicro#QEB0050
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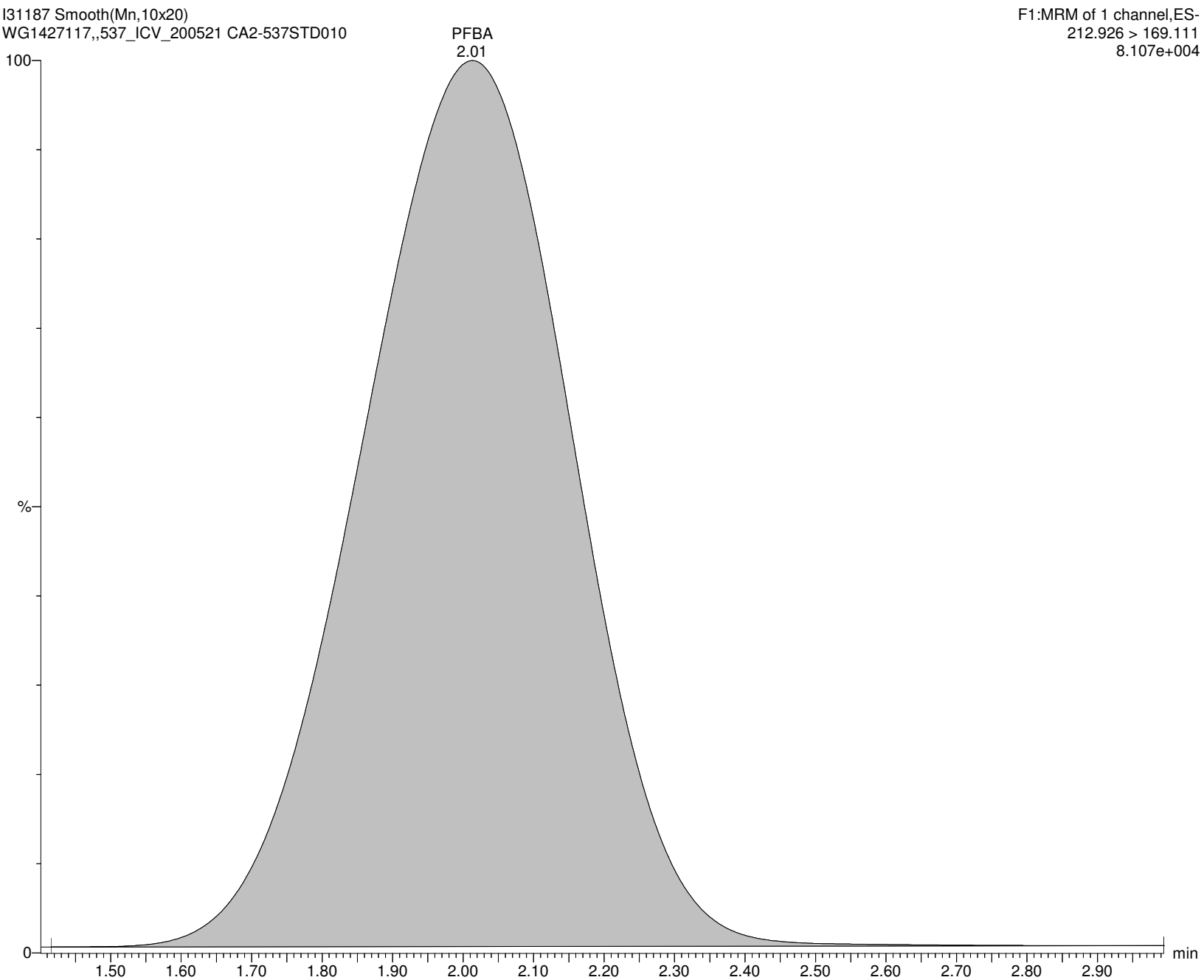

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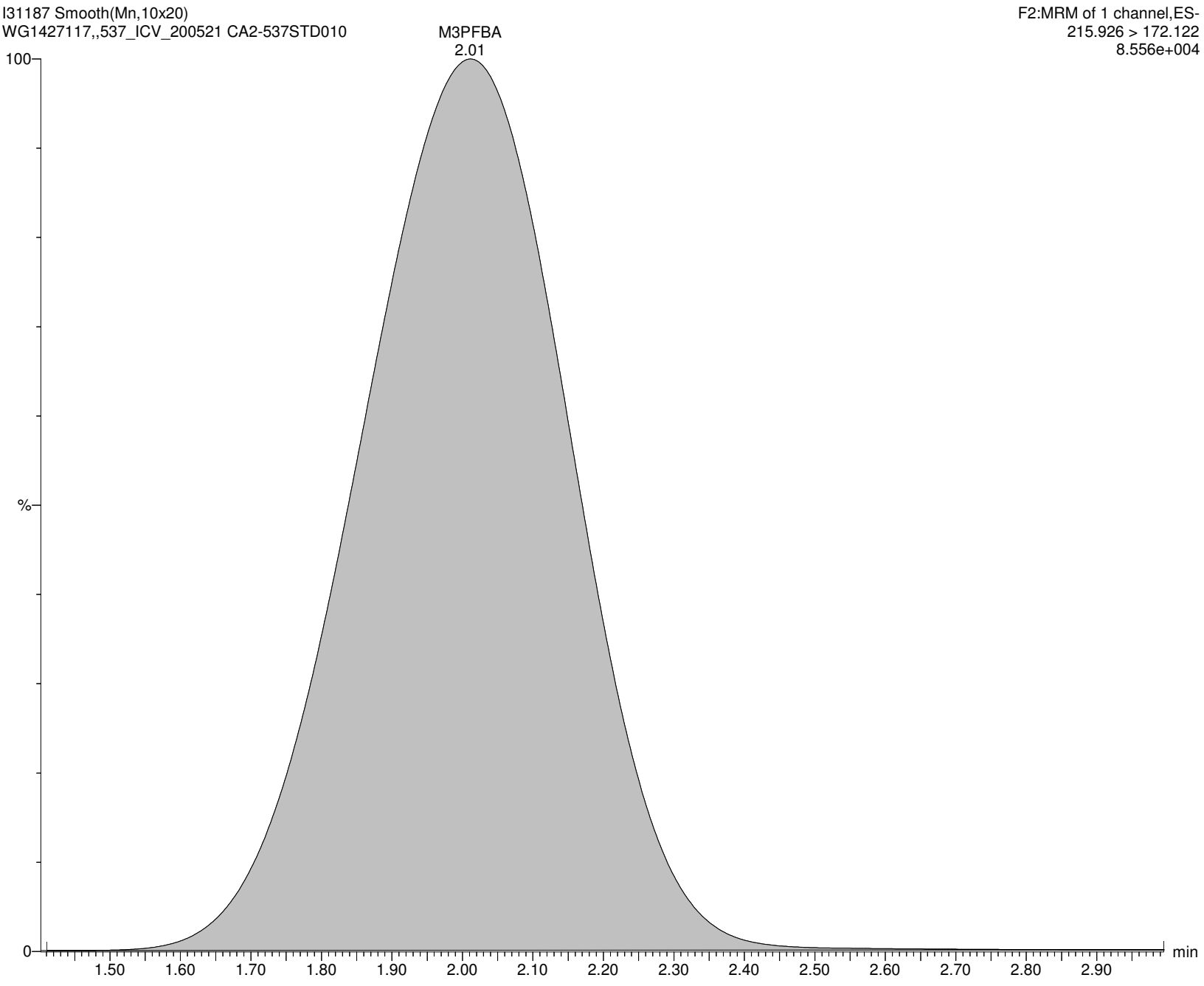

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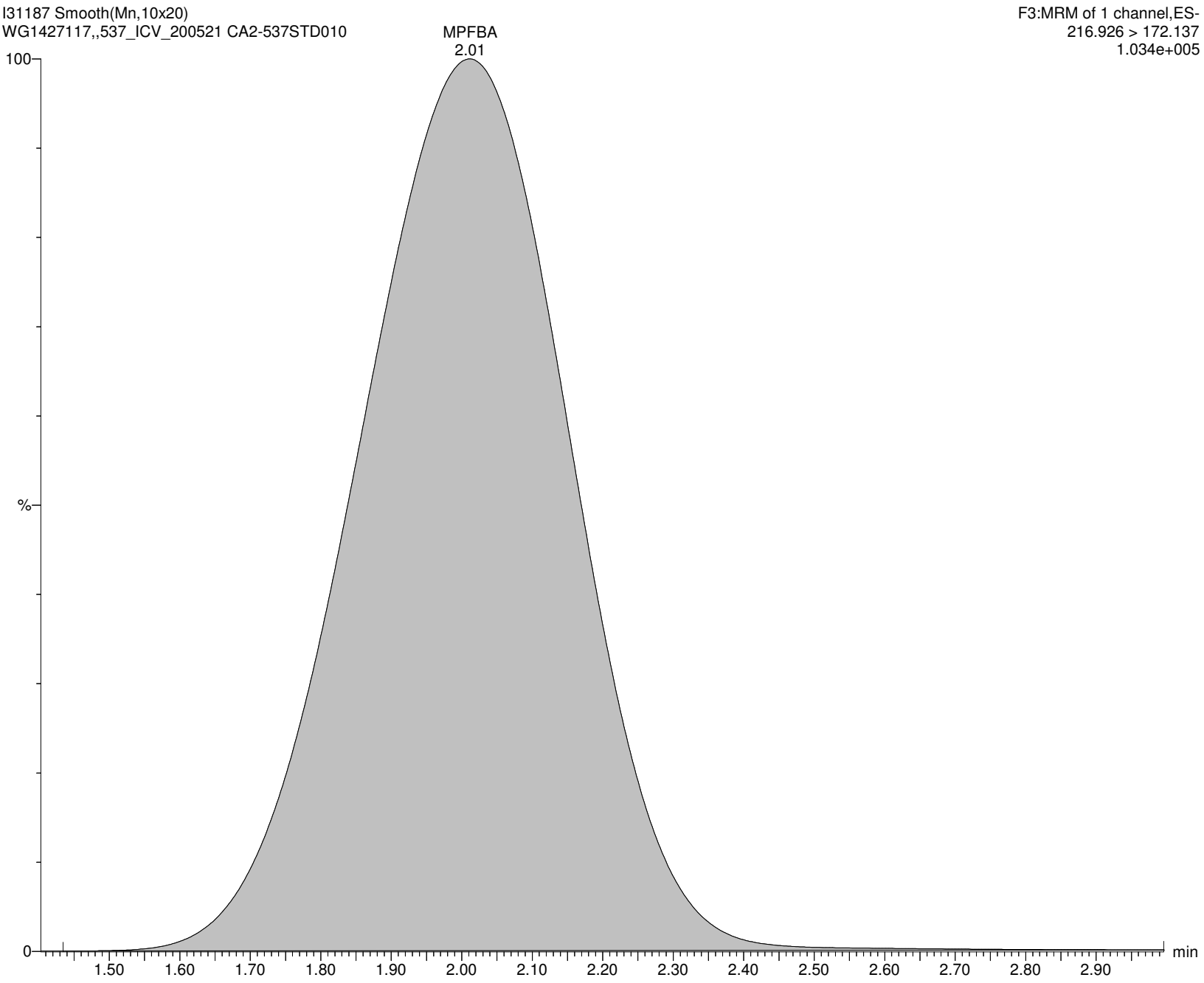

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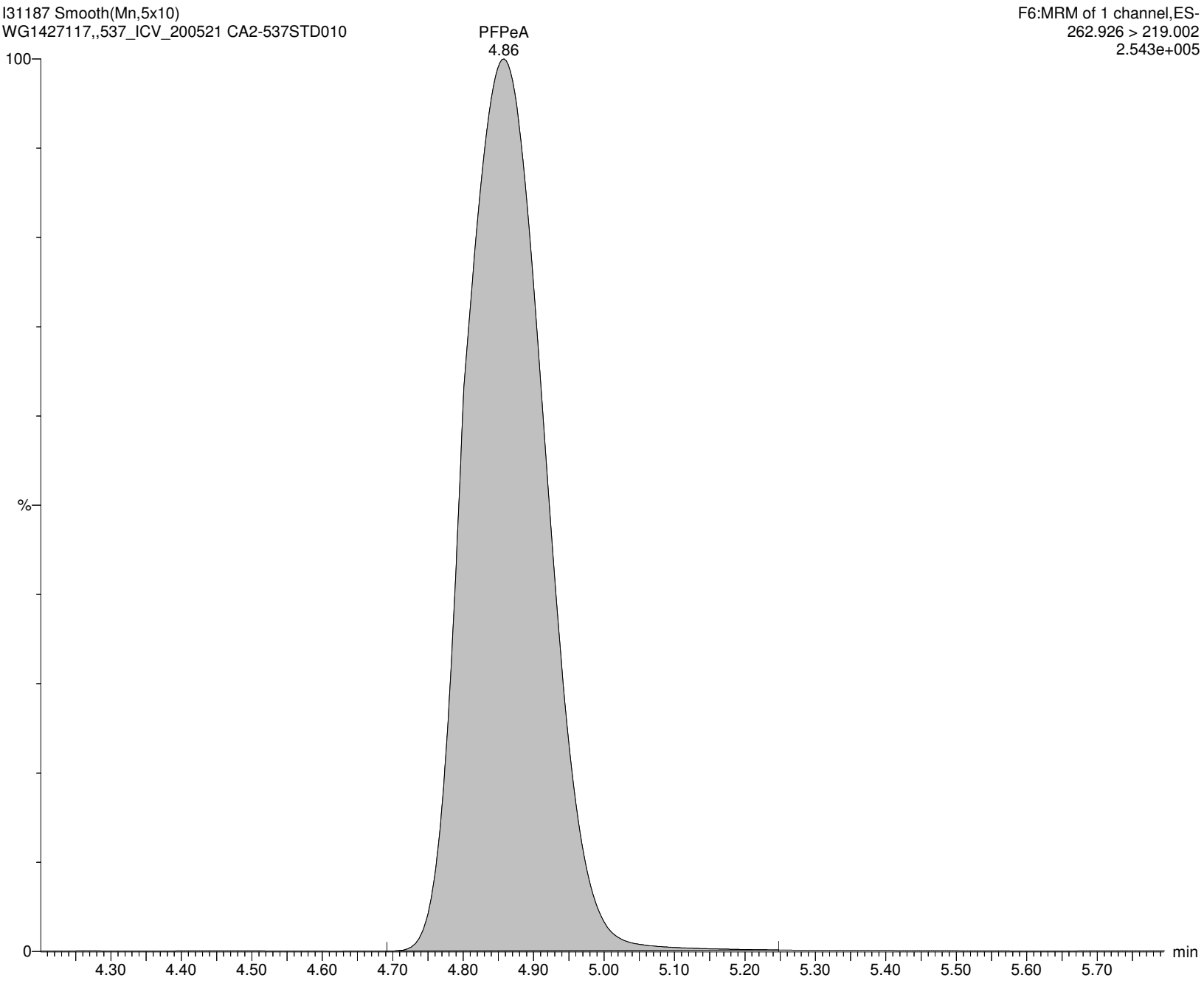

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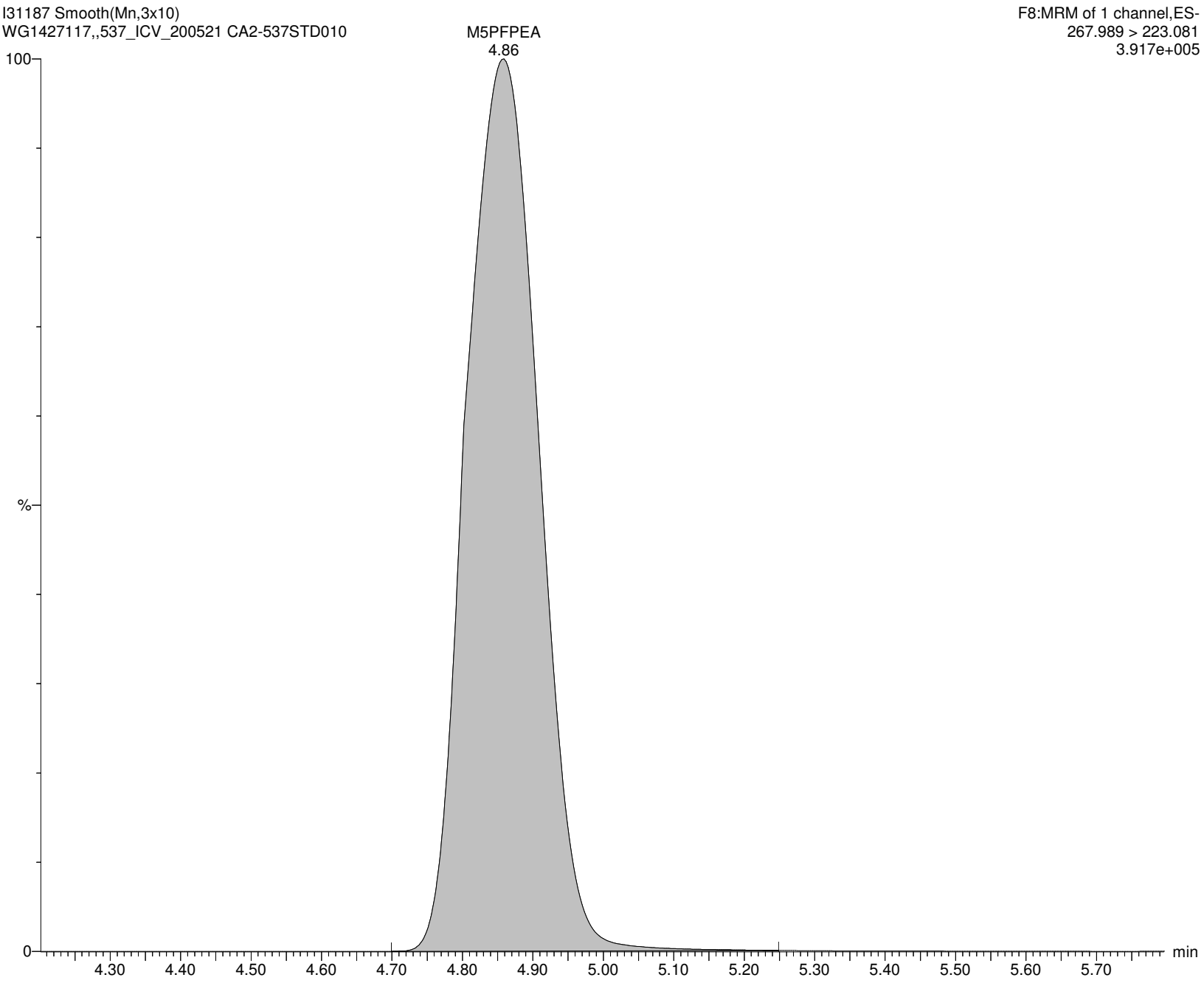

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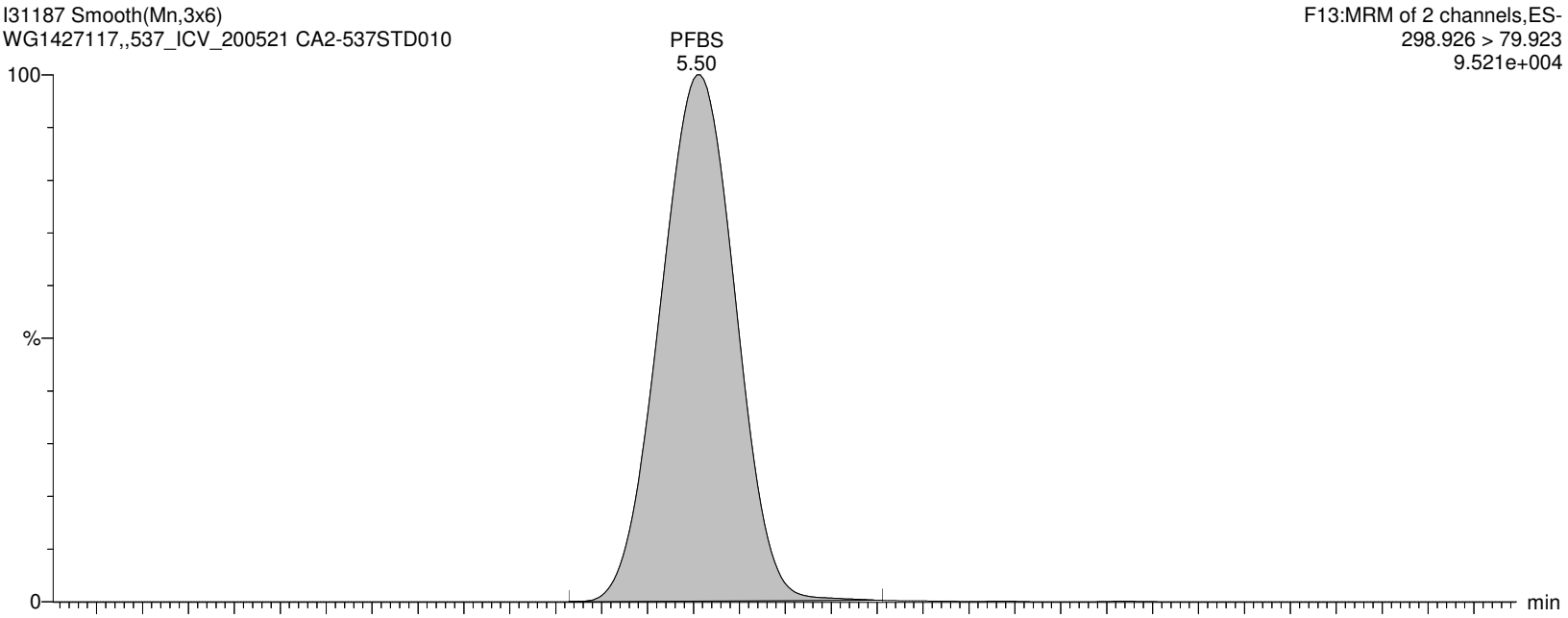

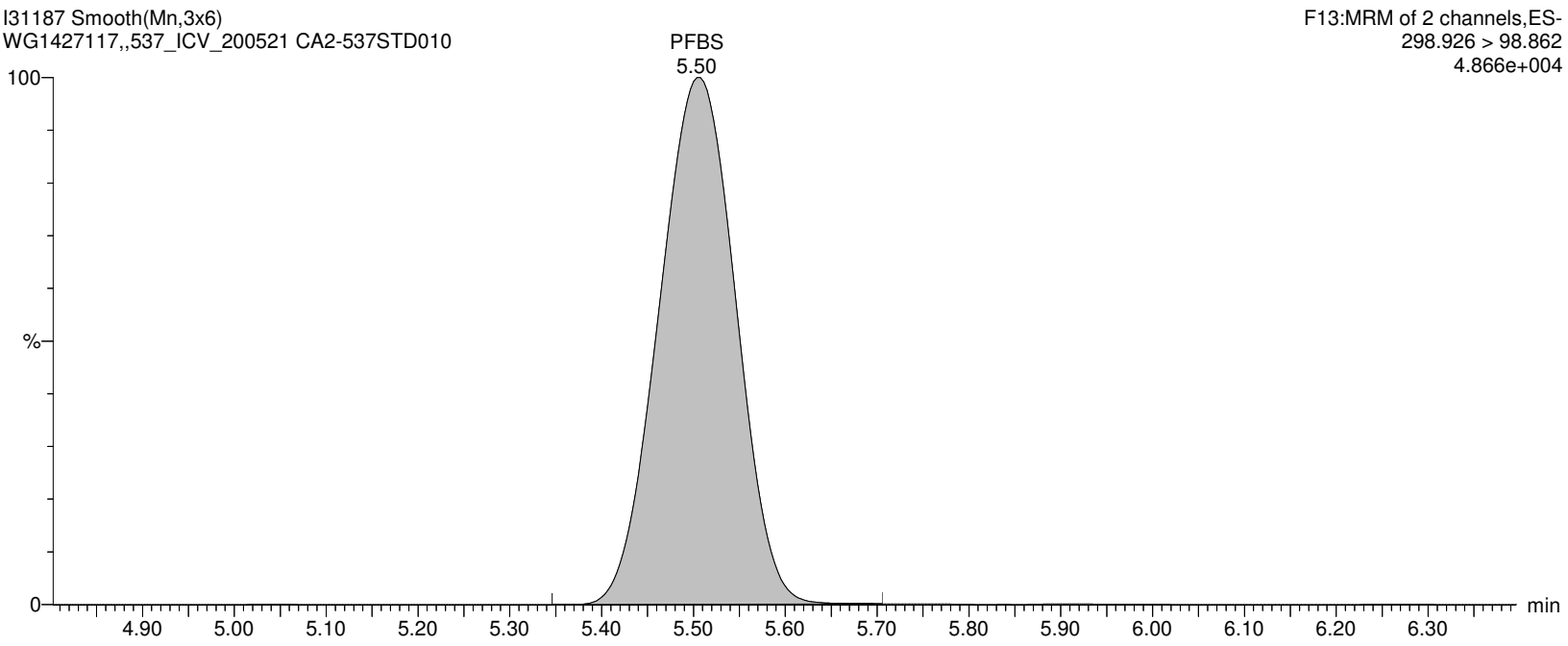

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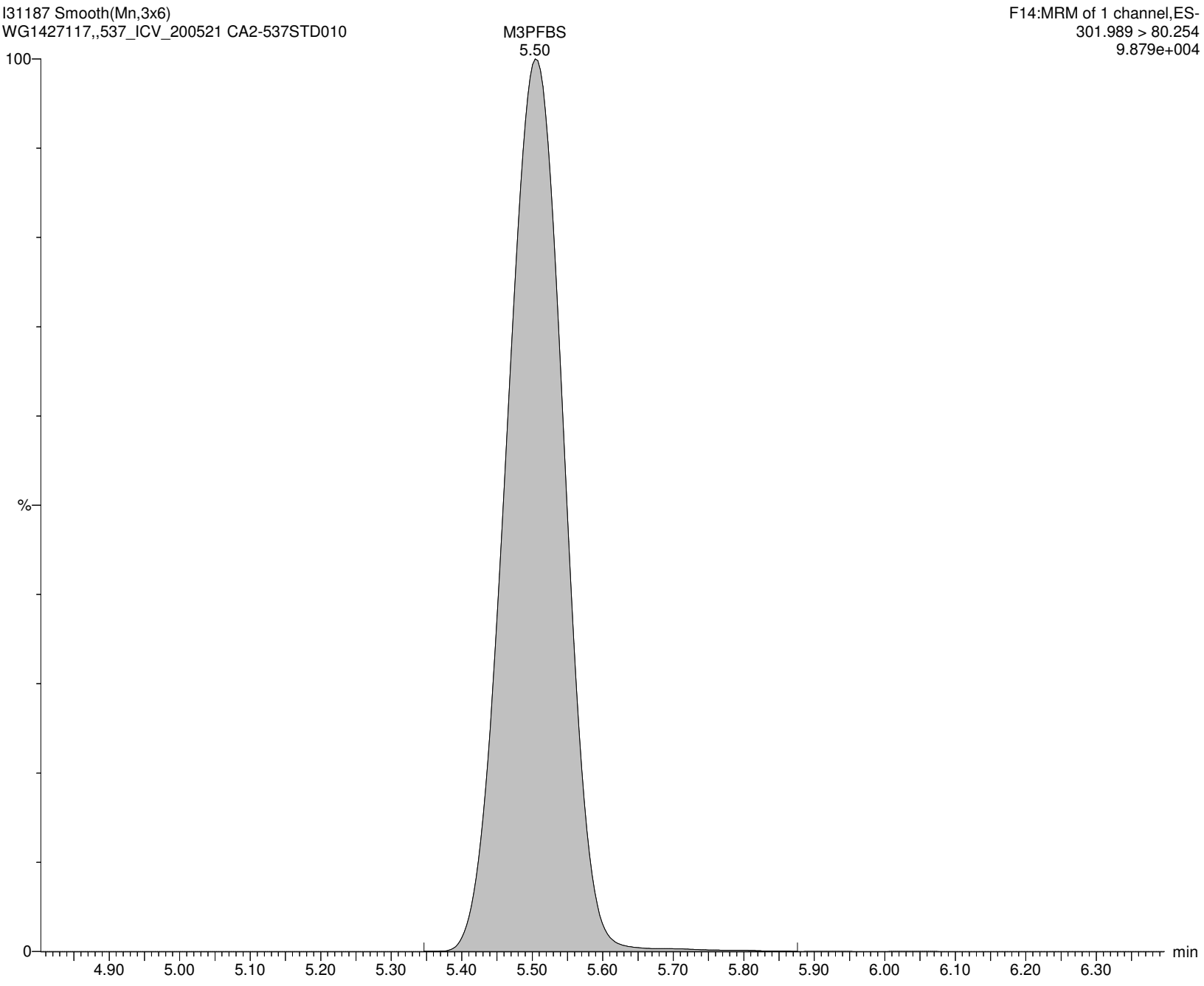

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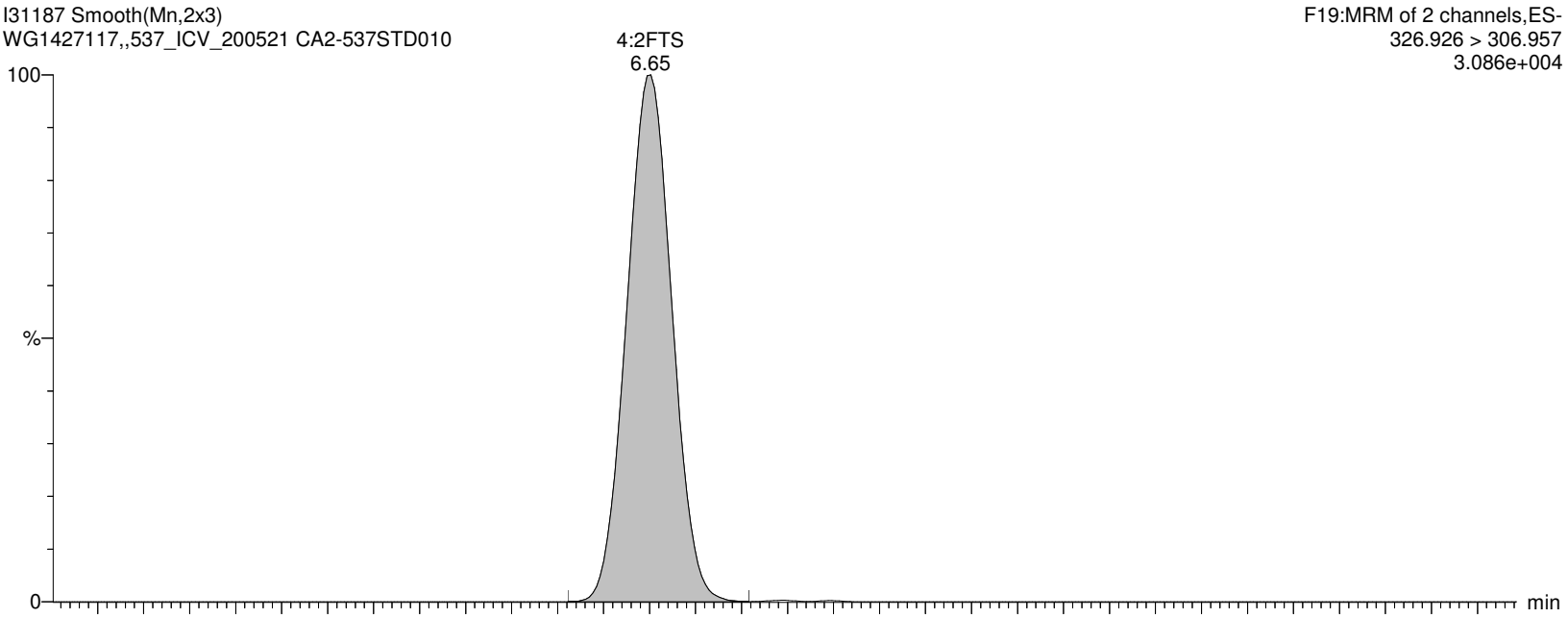
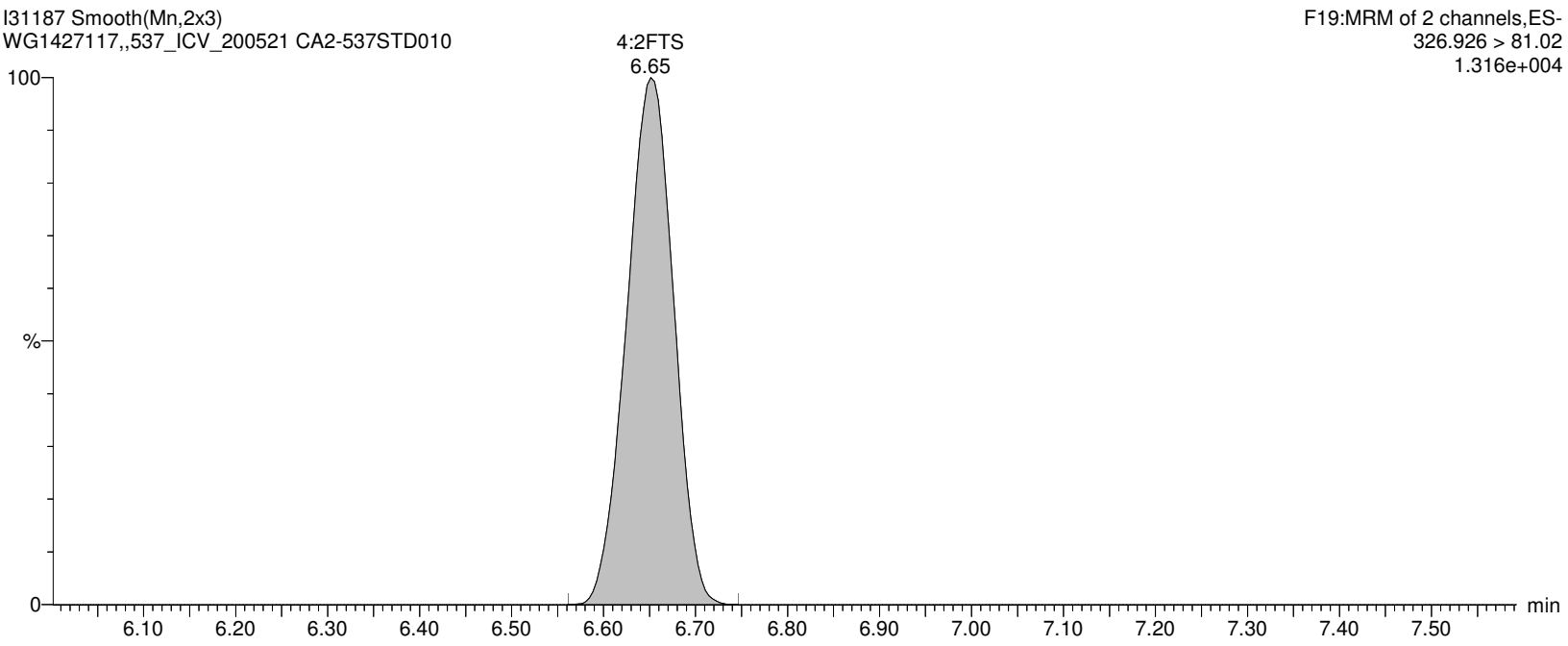
4:2FTS





all concentration units in (ng/mL)

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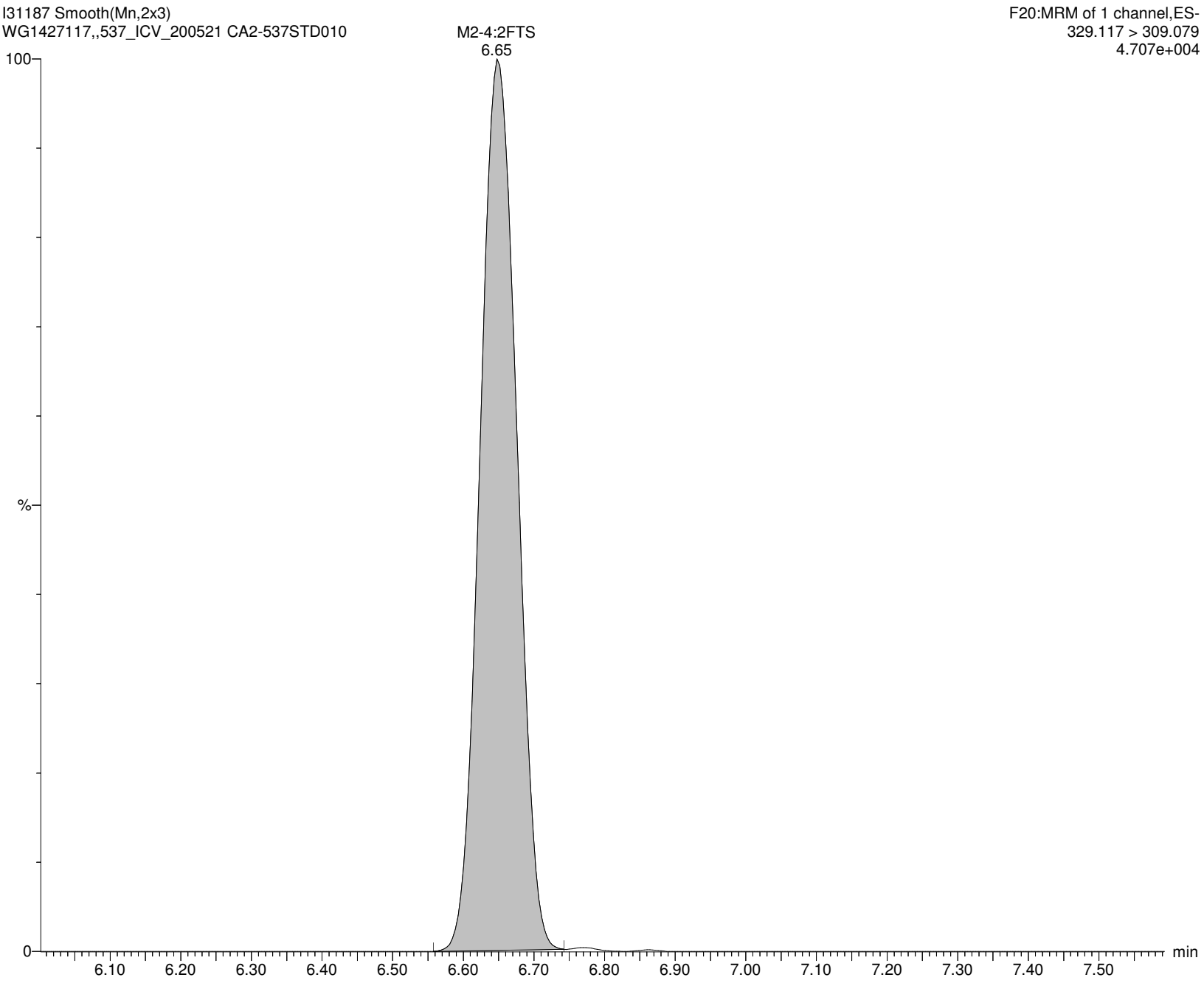
M2-4:2FTS



all concentration units in (ng/mL)

Alpha Analytical Inc.
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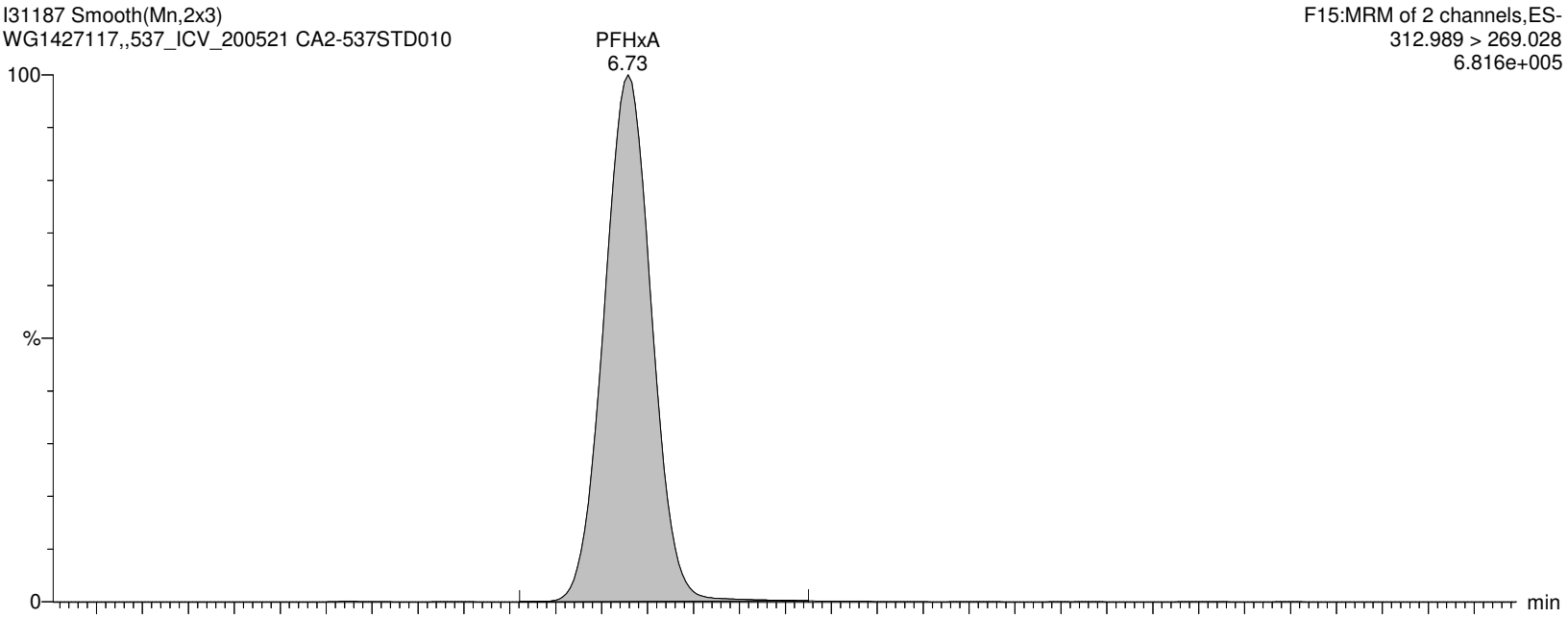
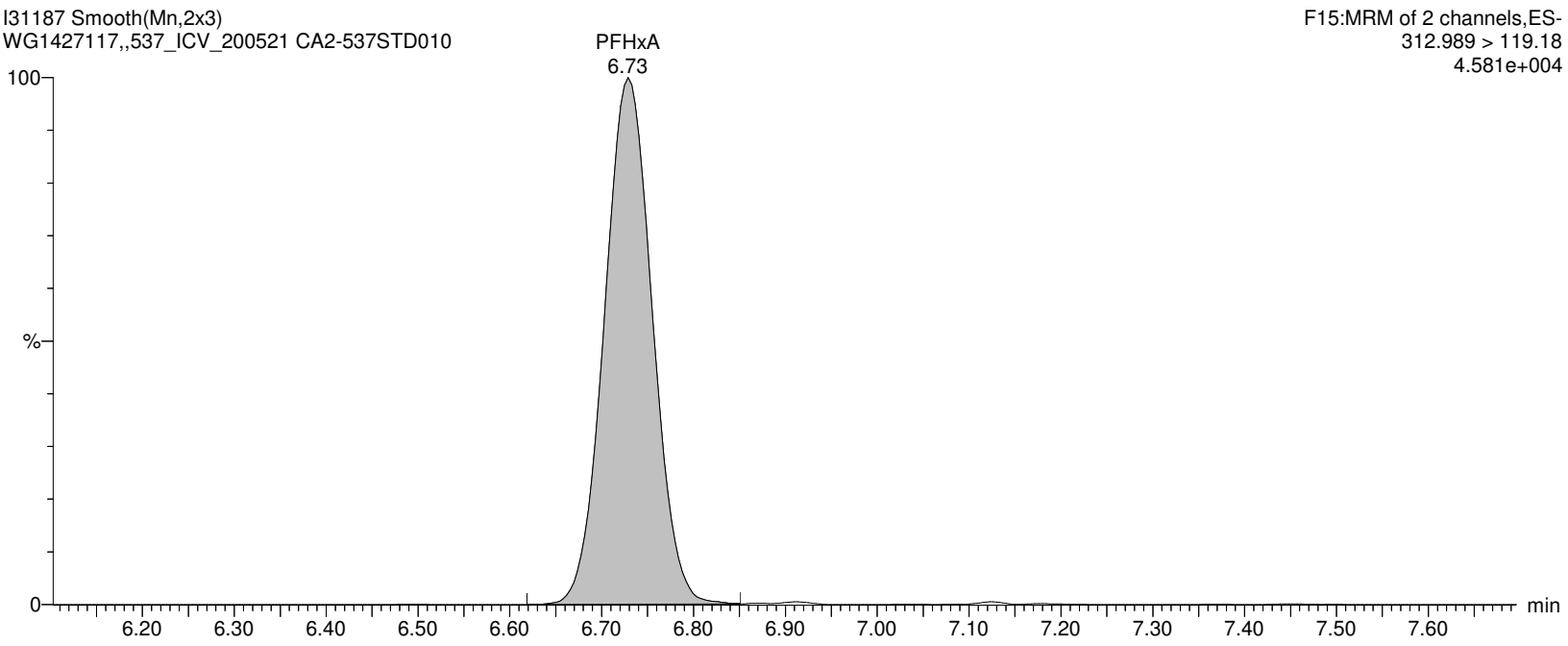
PFHxA





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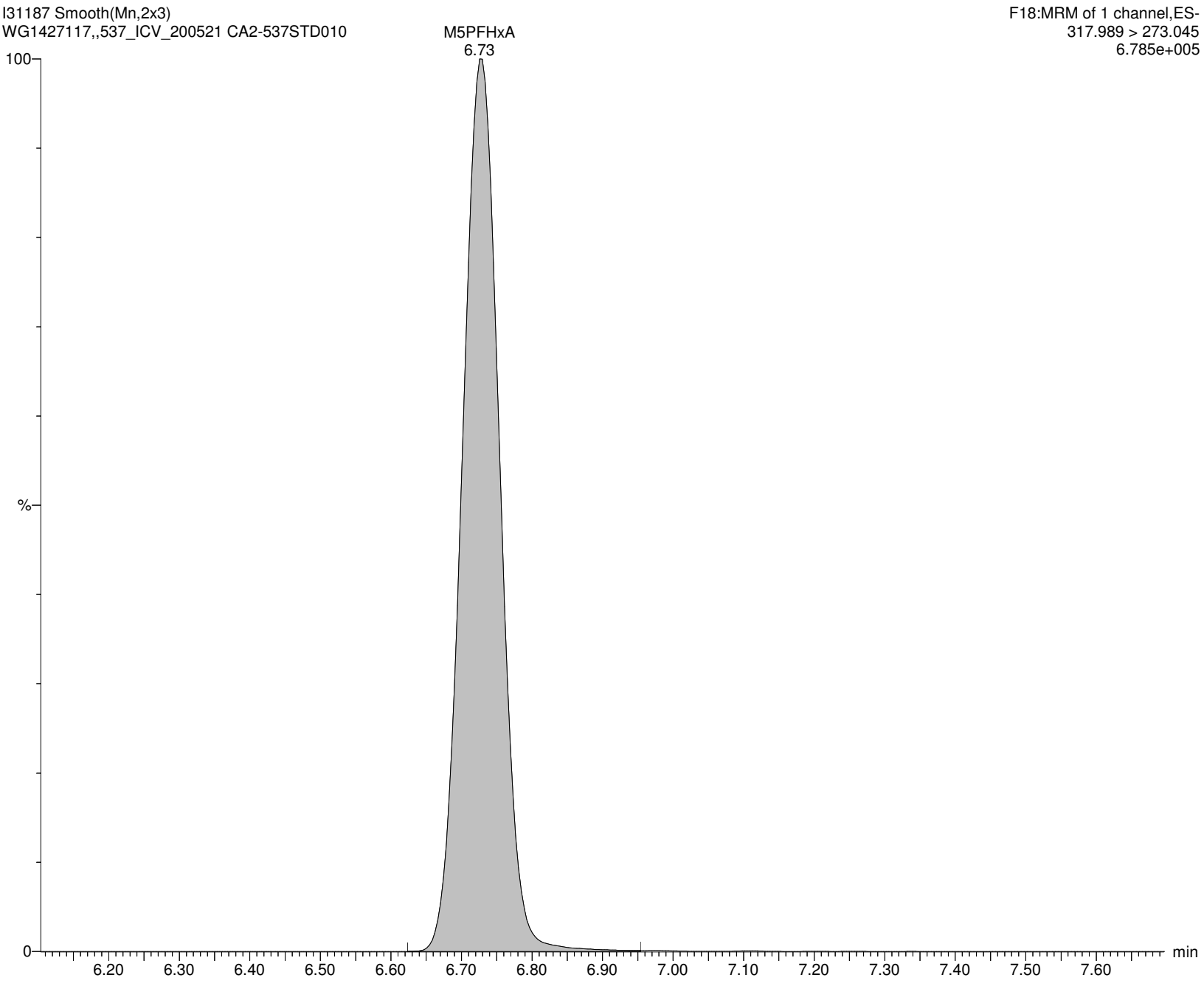
M5PFHxA



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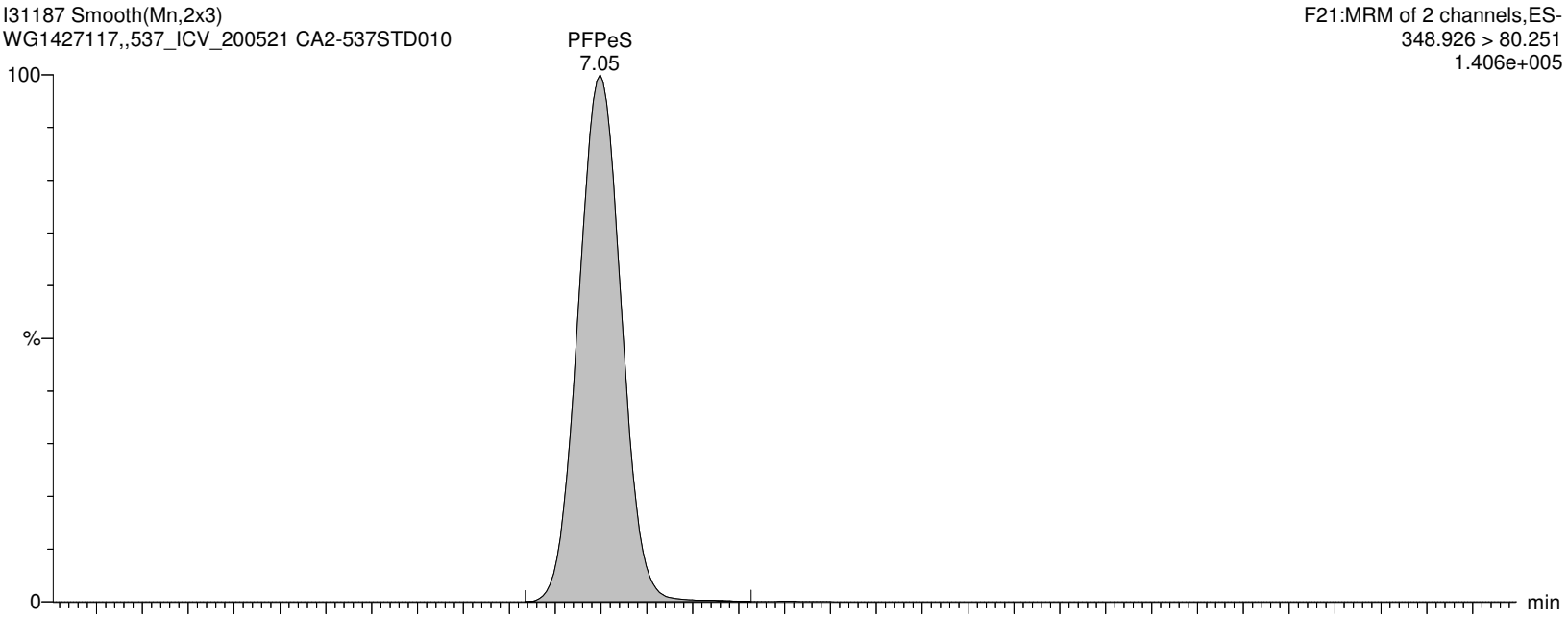
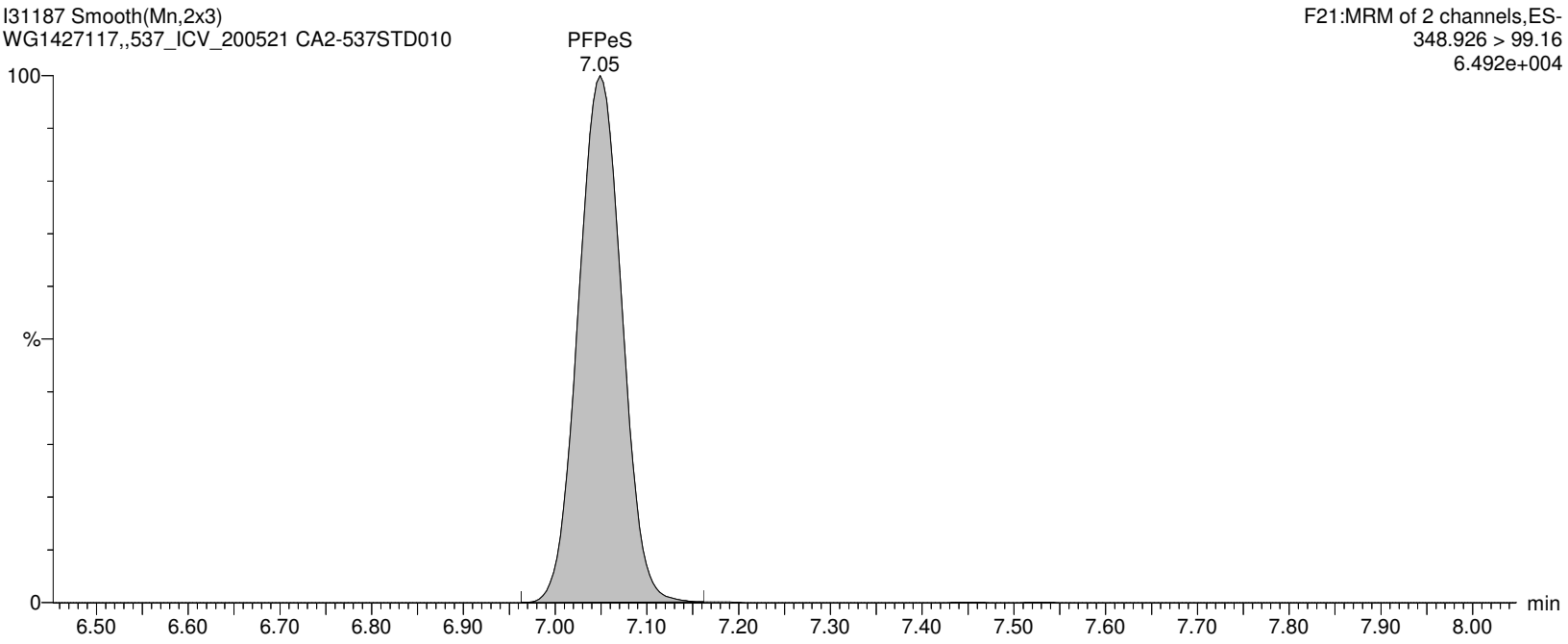
PFPeS





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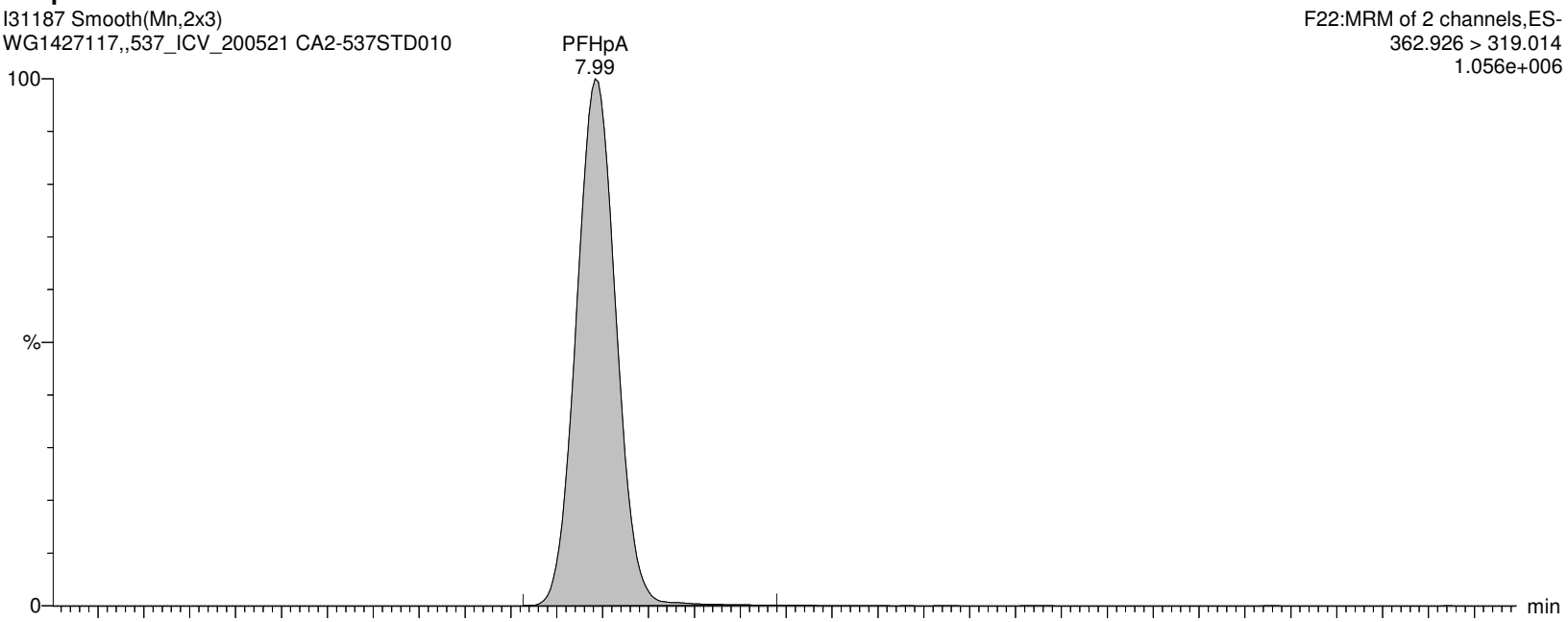

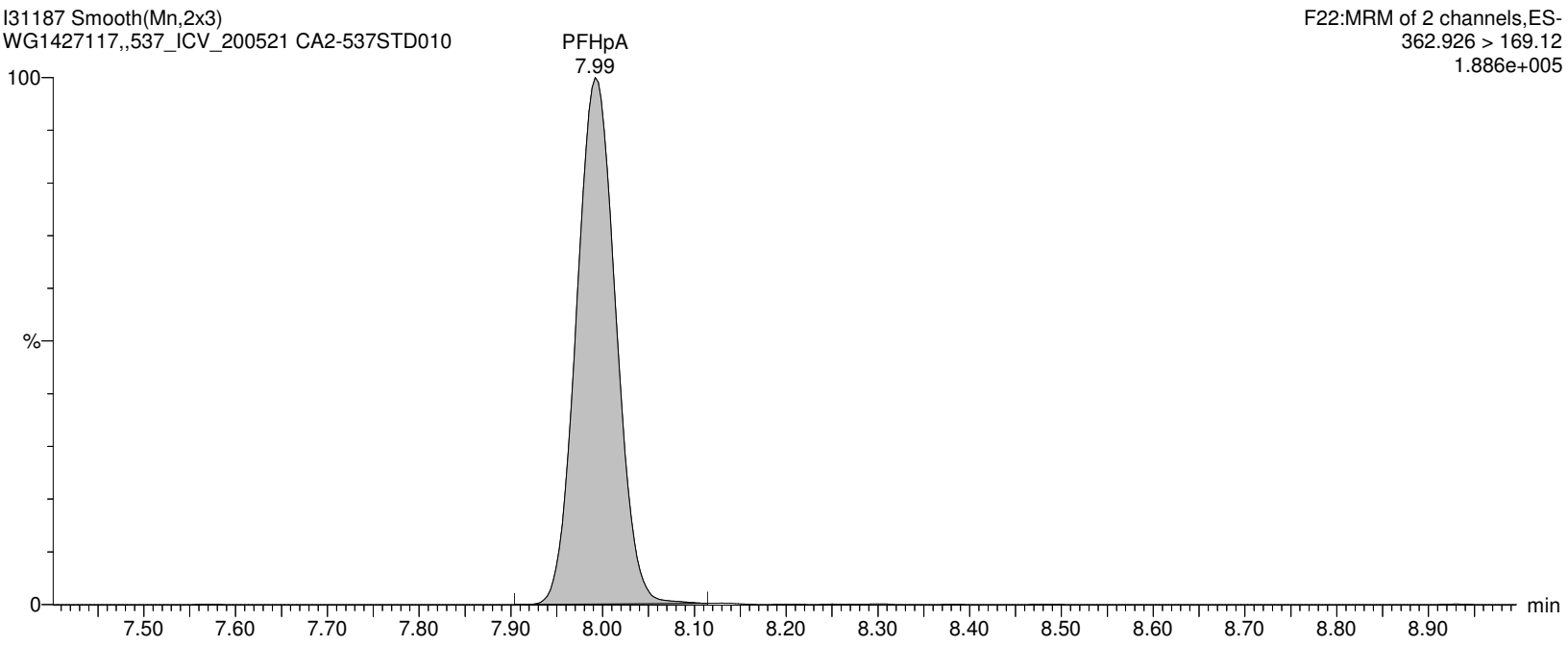

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICV_2.qld
Last Altered: Wednesday, October 28, 2020 10:26:15 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:26:59 Eastern Daylight Time

Name: I31187
ID: CA2-537STD010
Date: 27-Oct-2020
Time: 20:42:42
Description: WG1427117,,537_ICV_200521
User: LCMS02:JW
Vial: 1:B,1
Instrument: XEVO-TQSmicro#QEB0050
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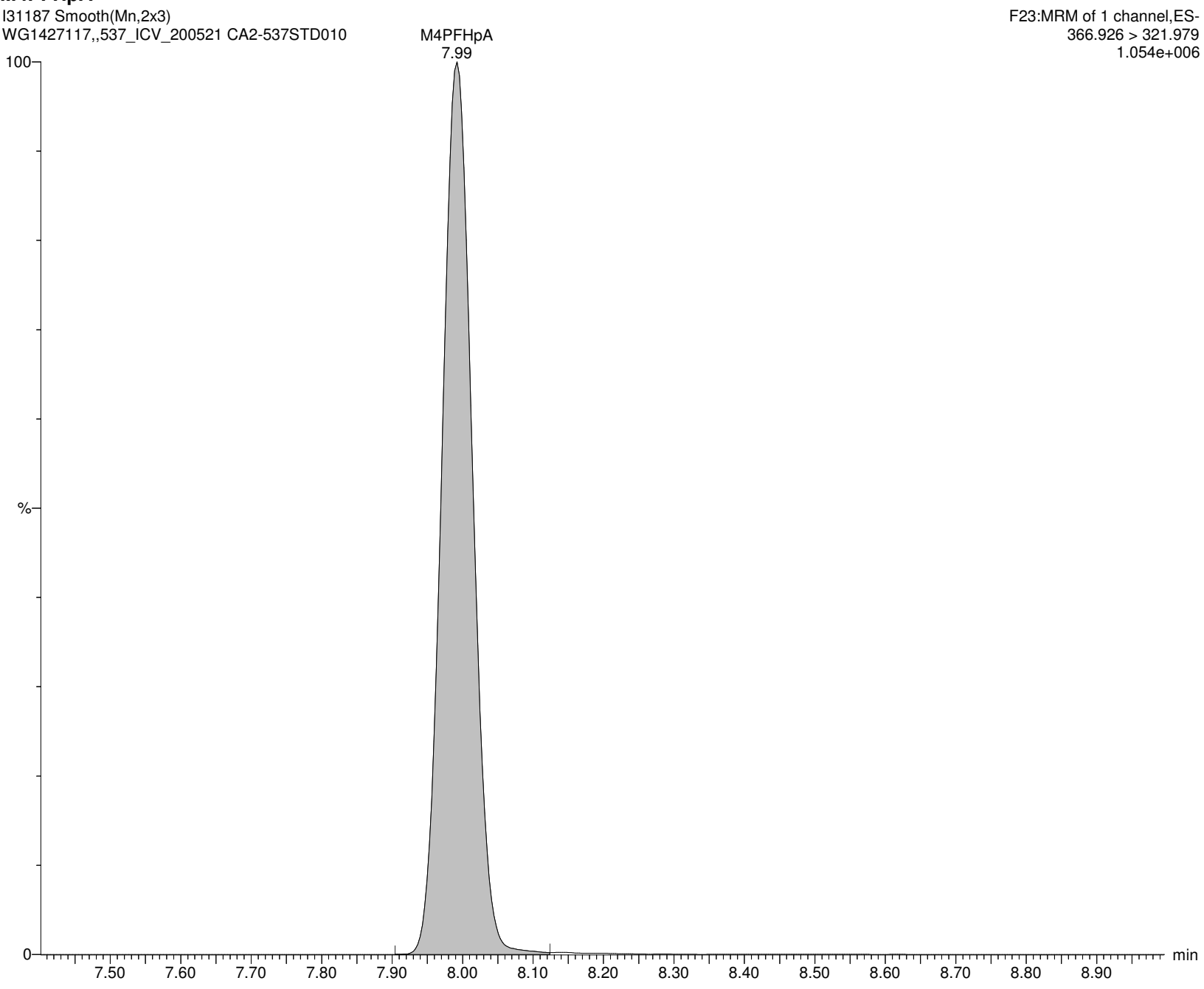

all concentration units in (ng/mL)

Alpha Analytical Inc.
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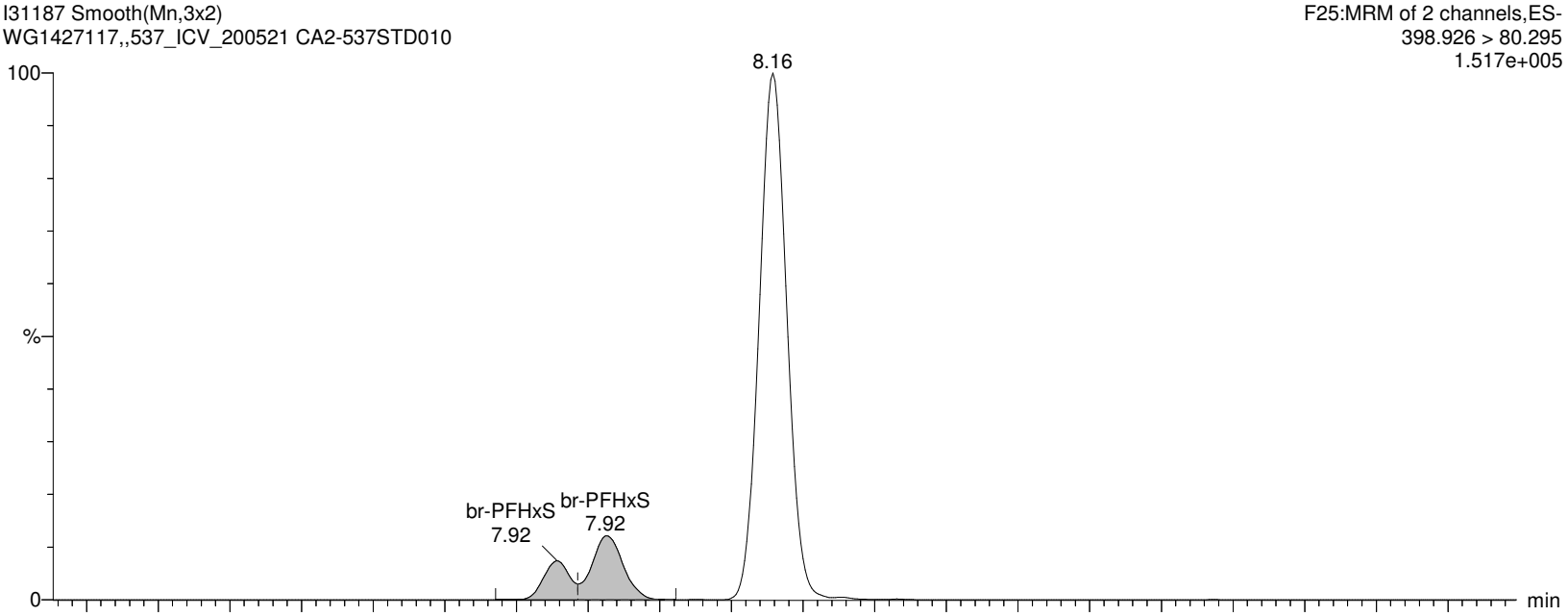

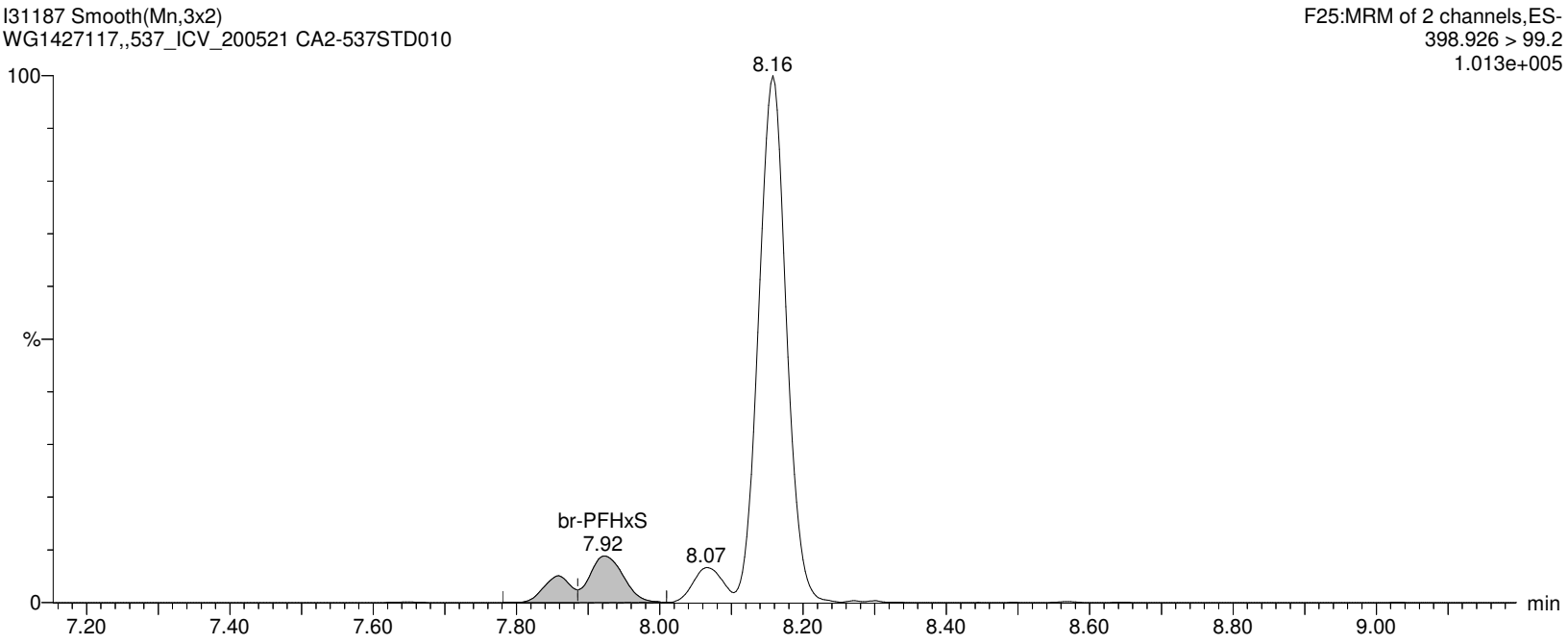

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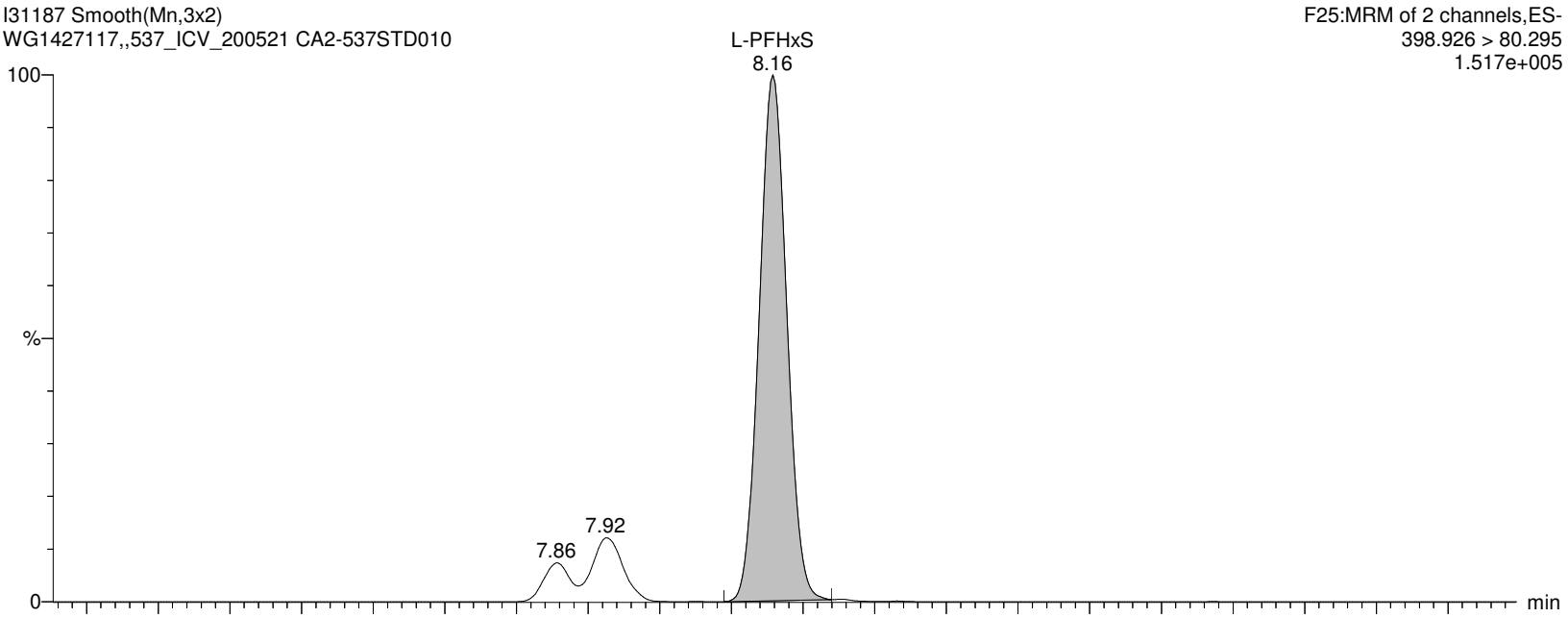

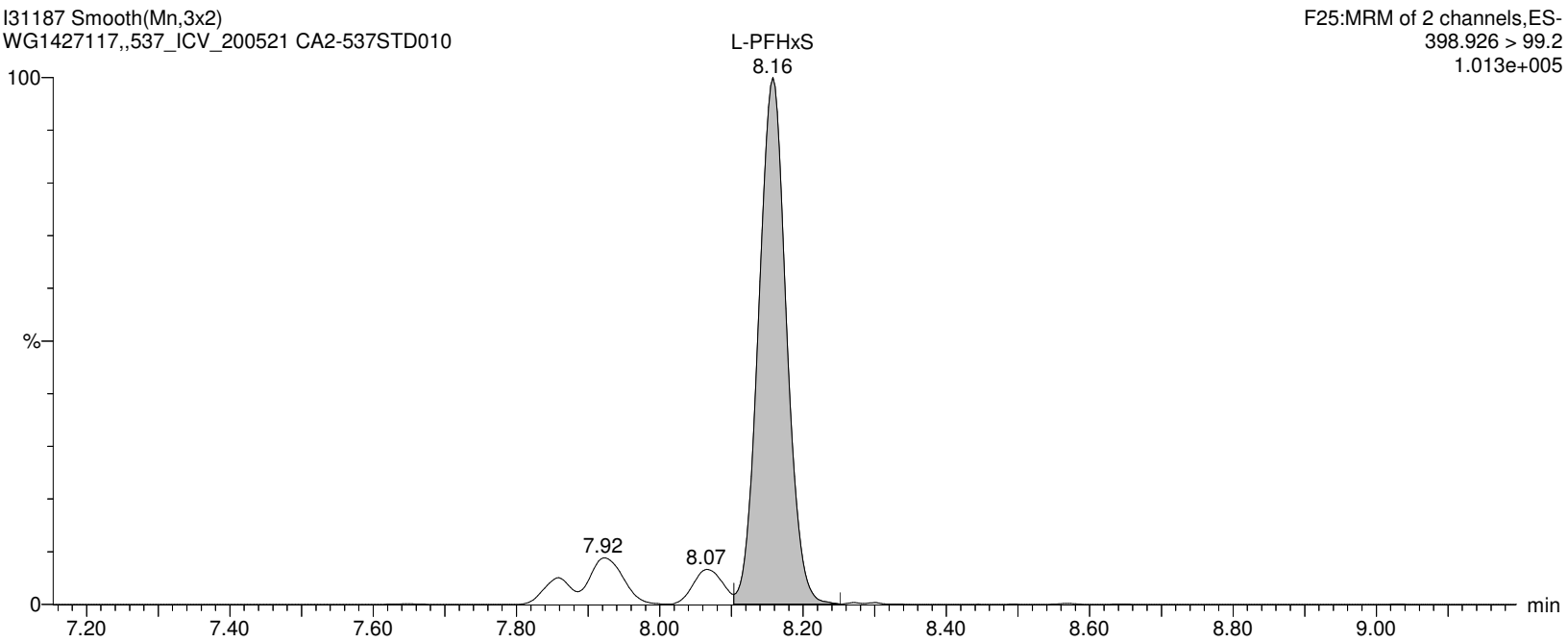

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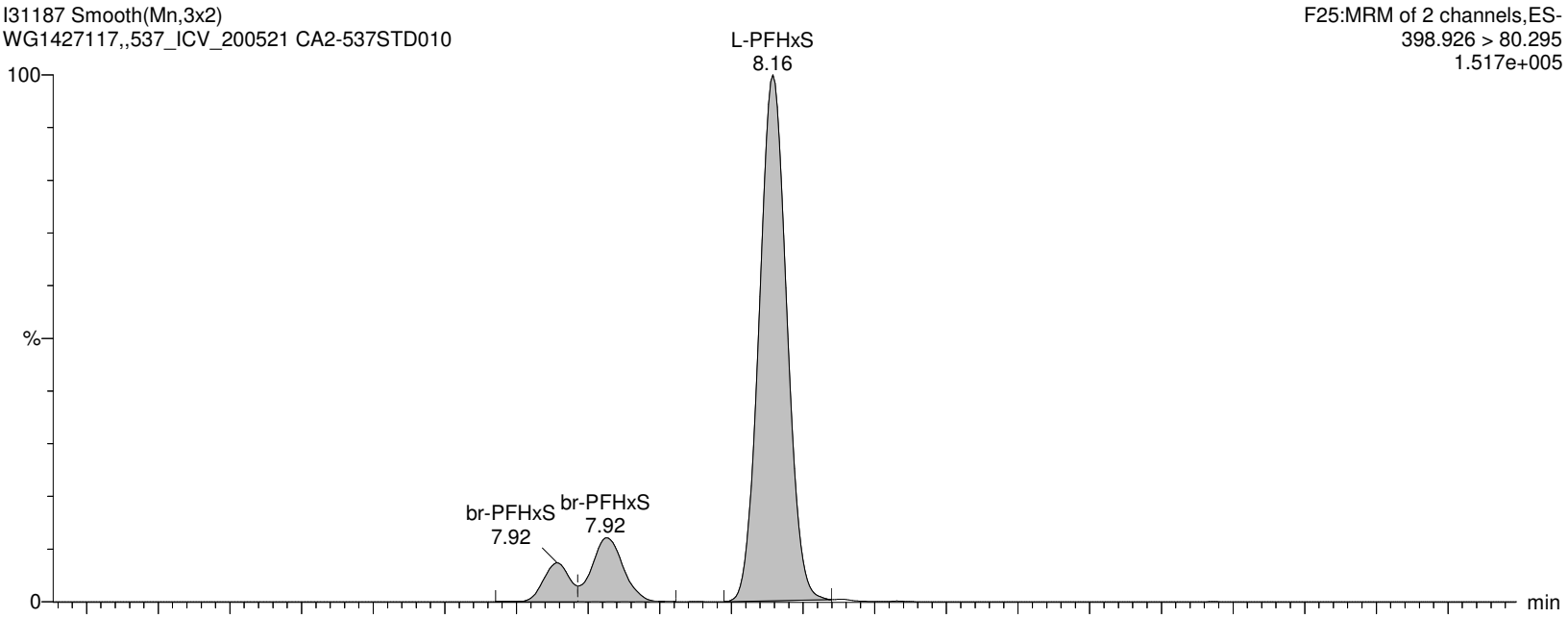

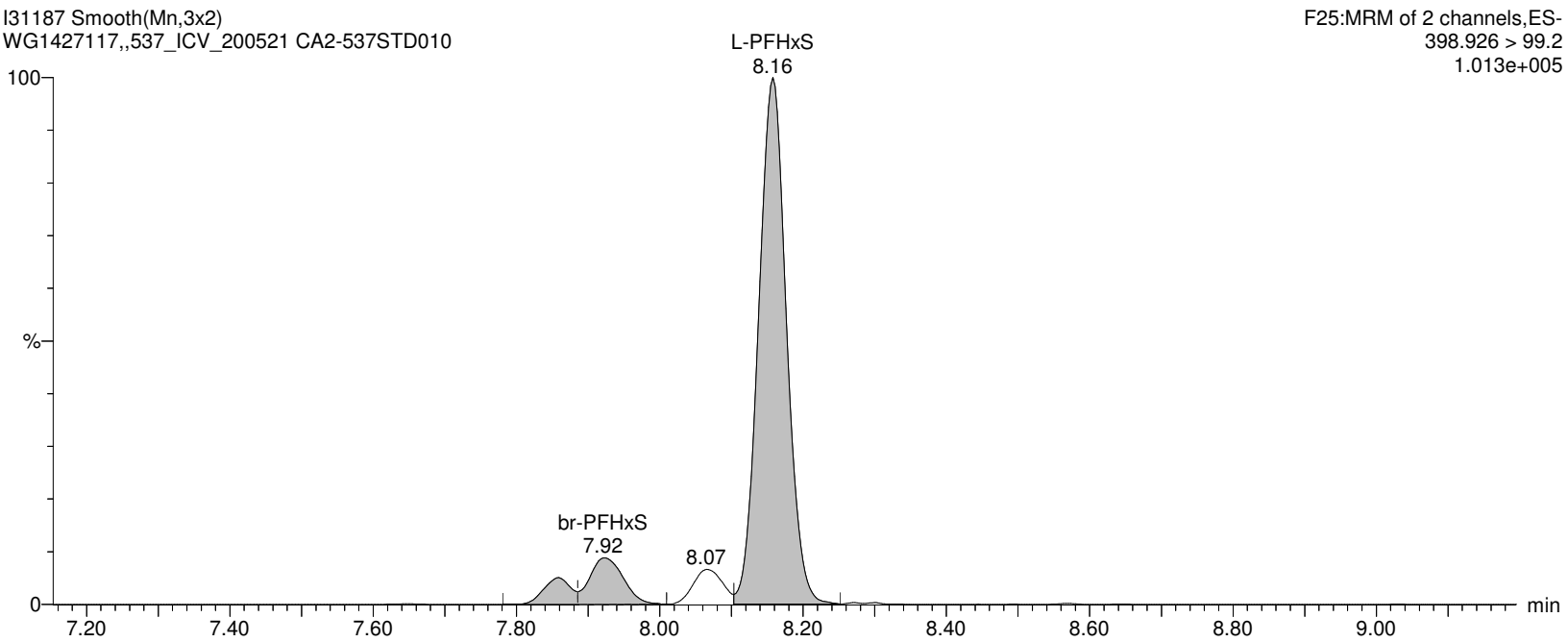

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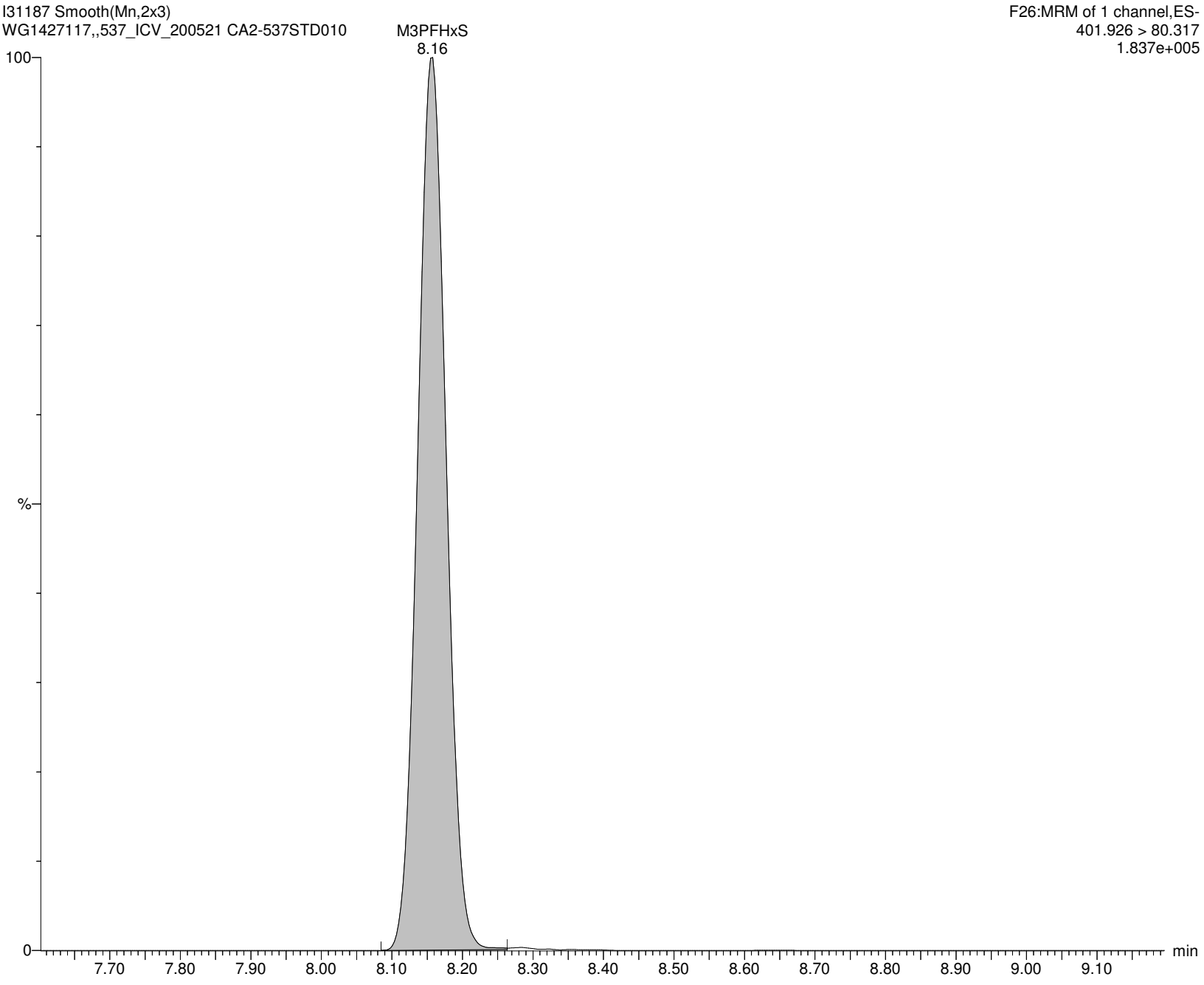

all concentration units in (ng/mL)

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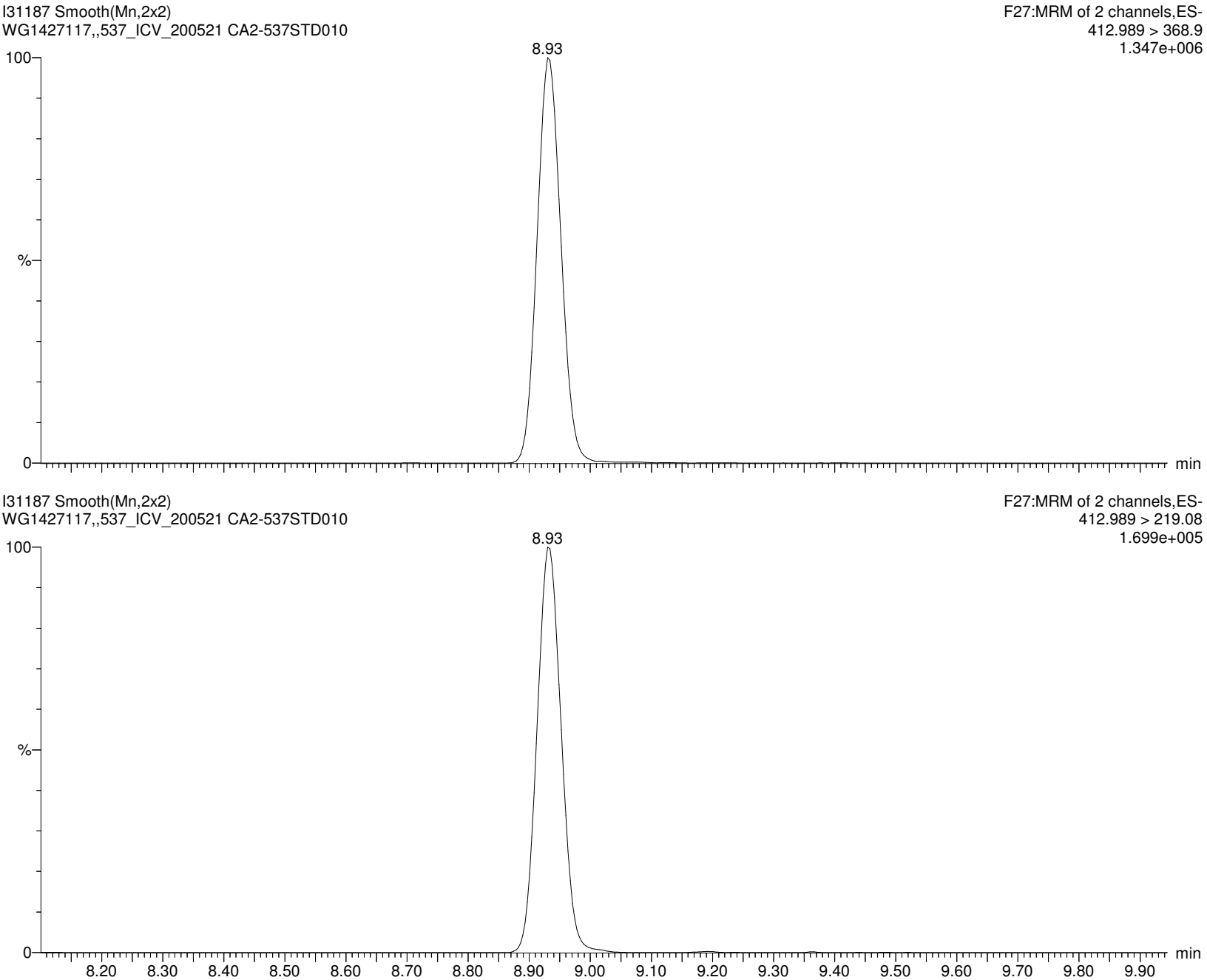

all concentration units in (ng/mL)

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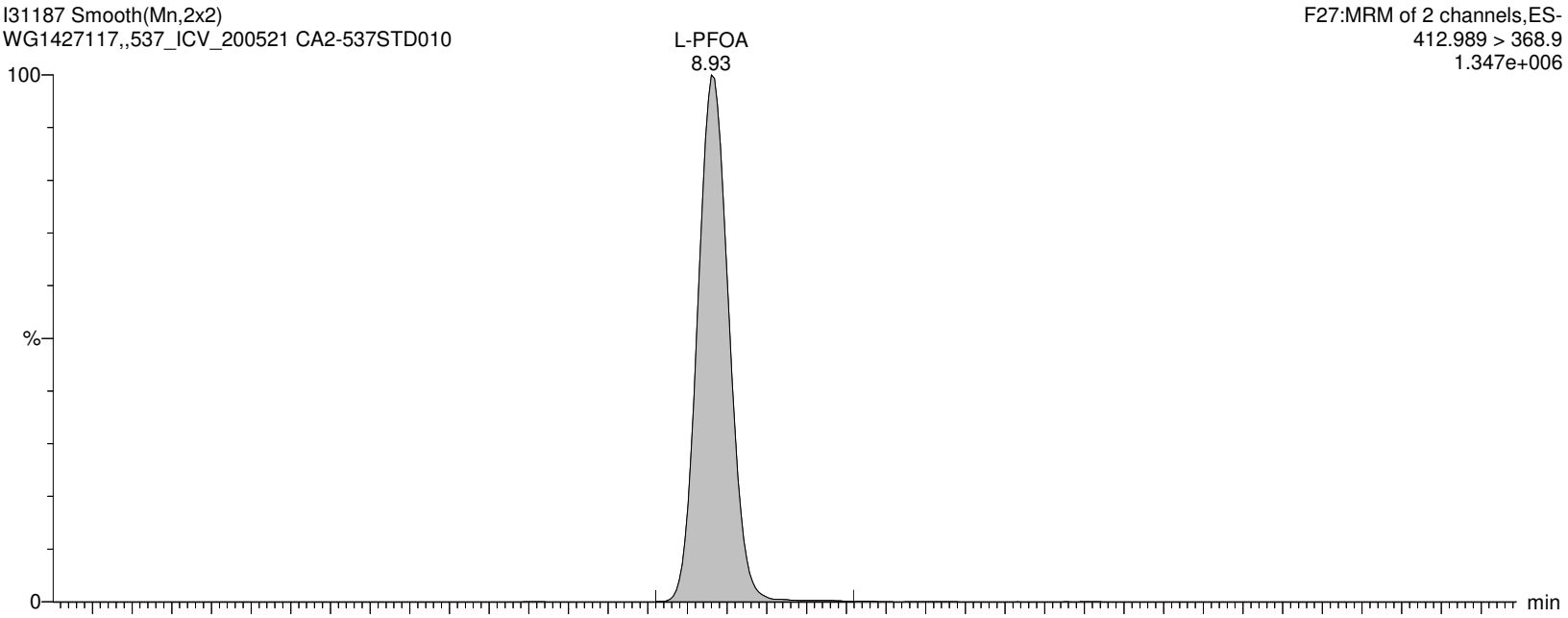

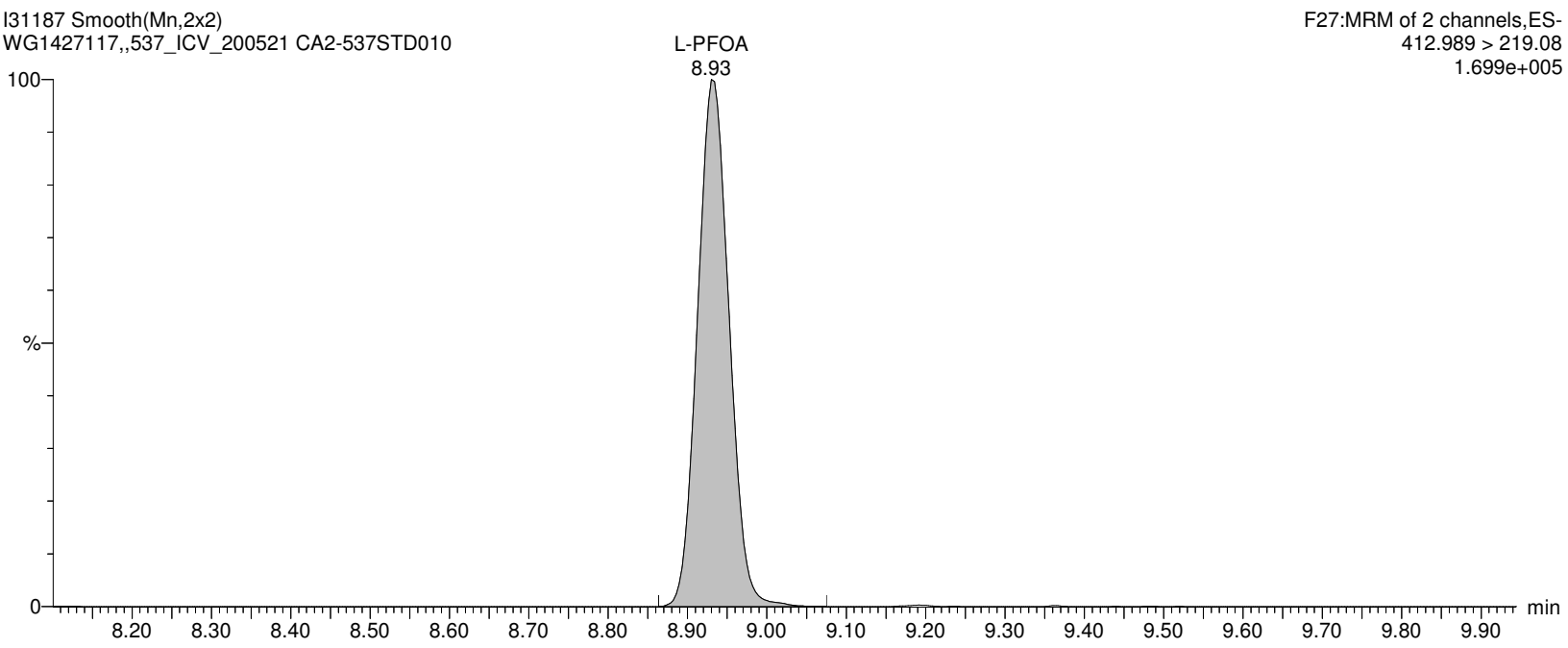

all concentration units in (ng/mL)

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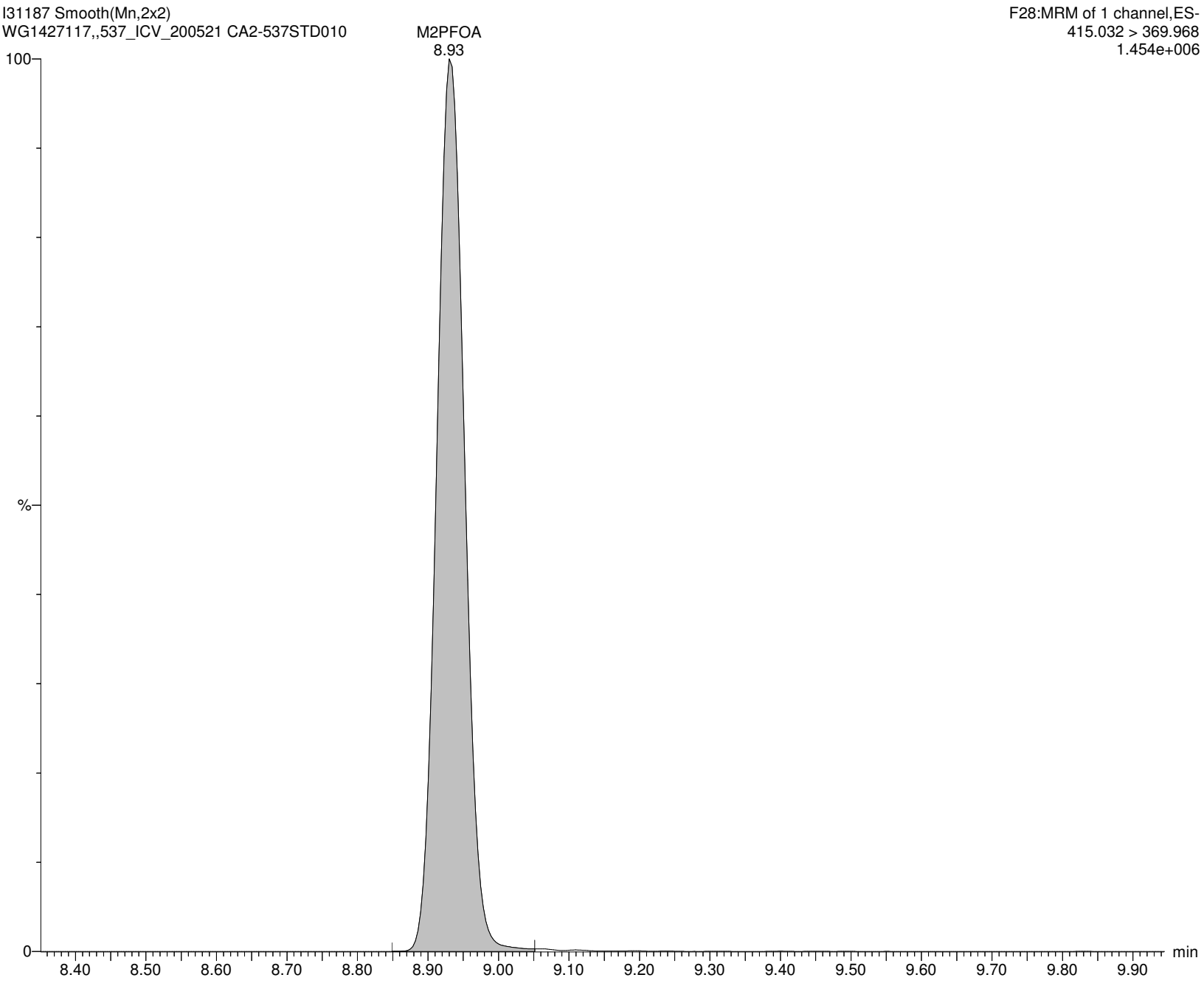

all concentration units in (ng/mL)

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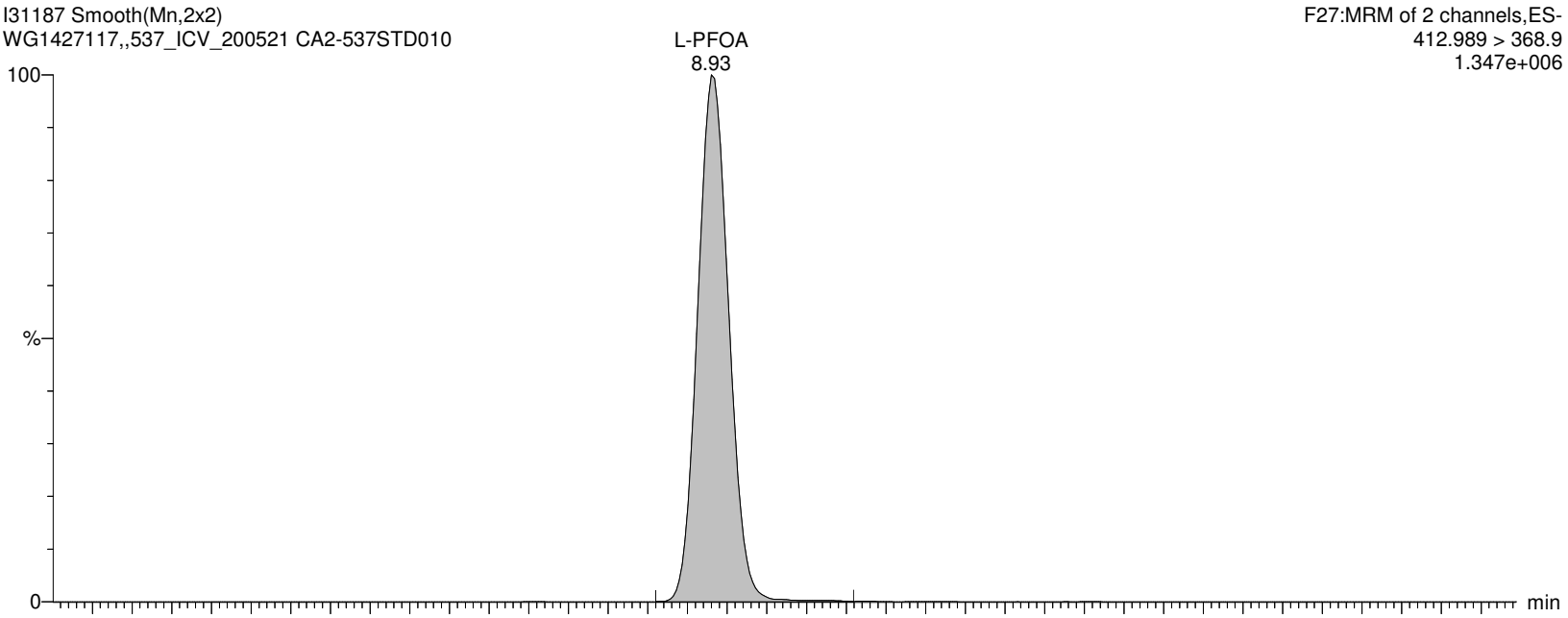

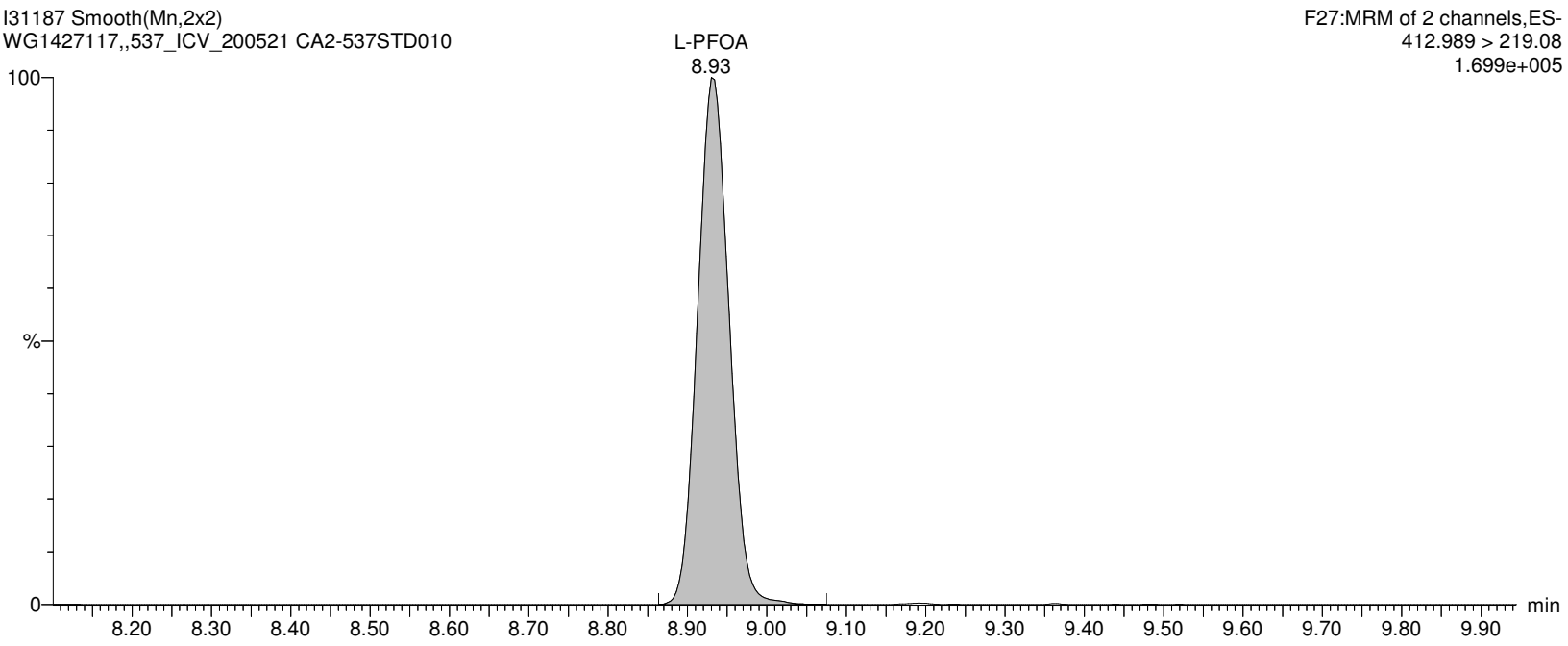

all concentration units in (ng/mL)

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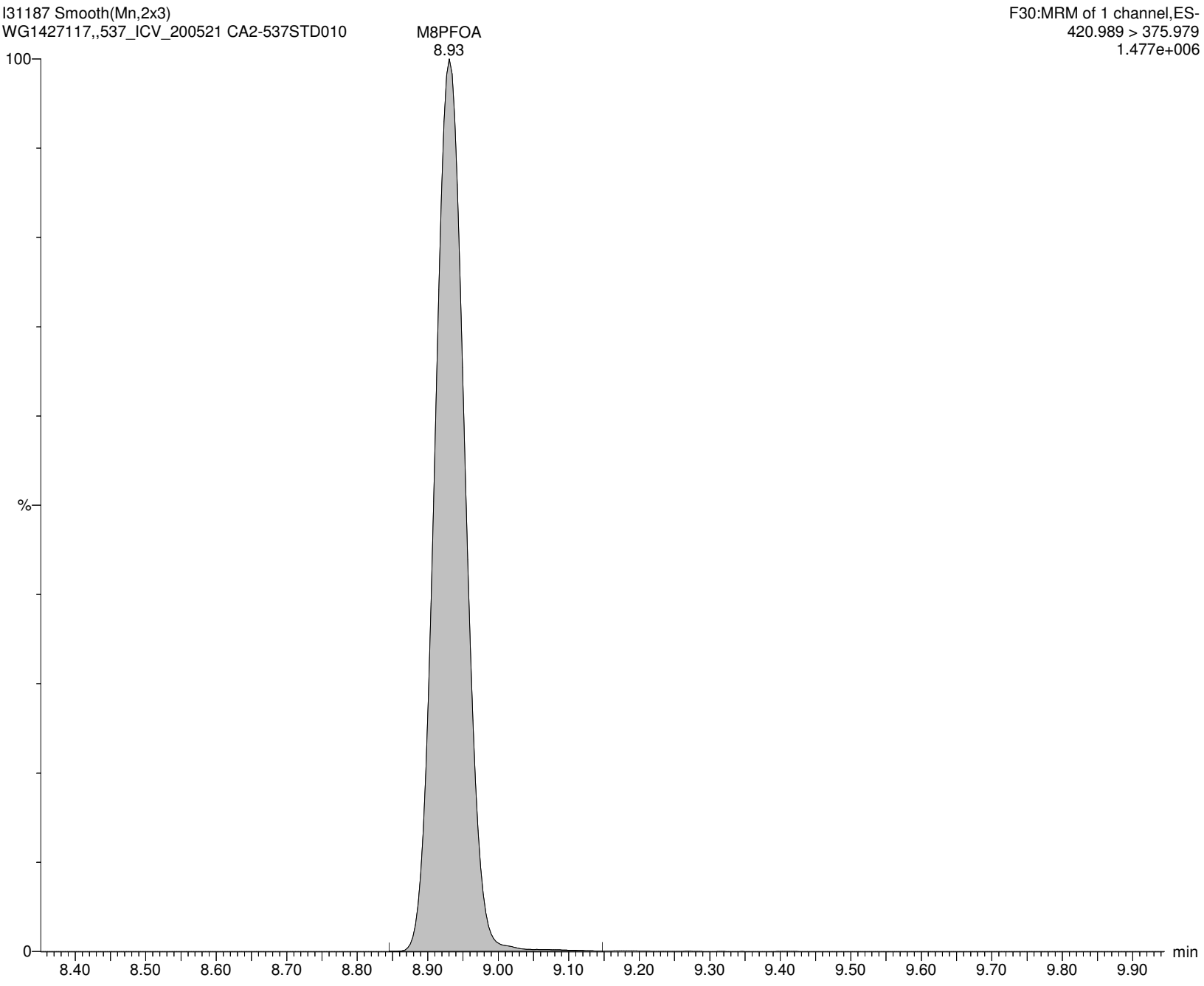

all concentration units in (ng/mL)

Alpha Analytical Inc.
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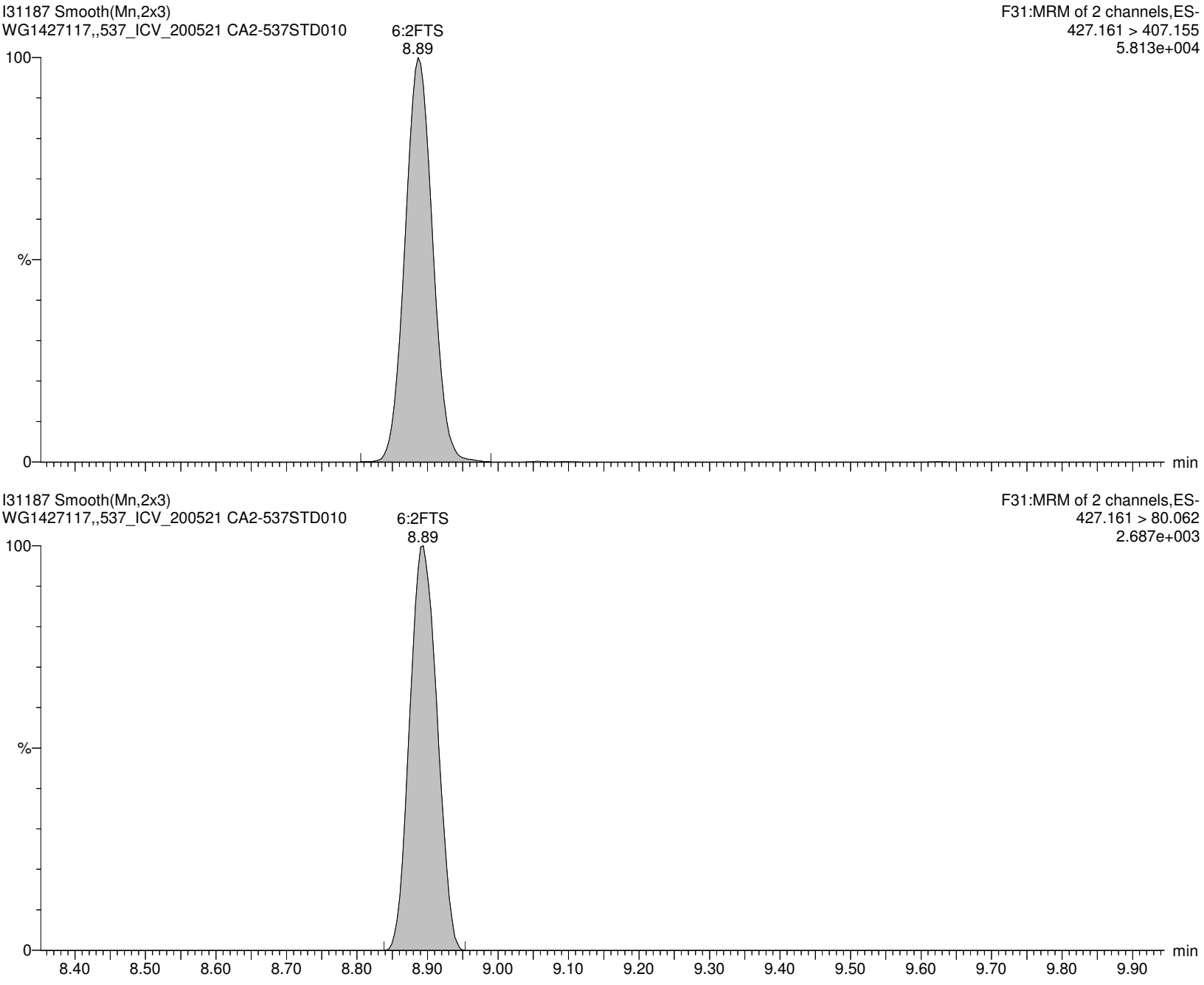

all concentration units in (ng/mL)

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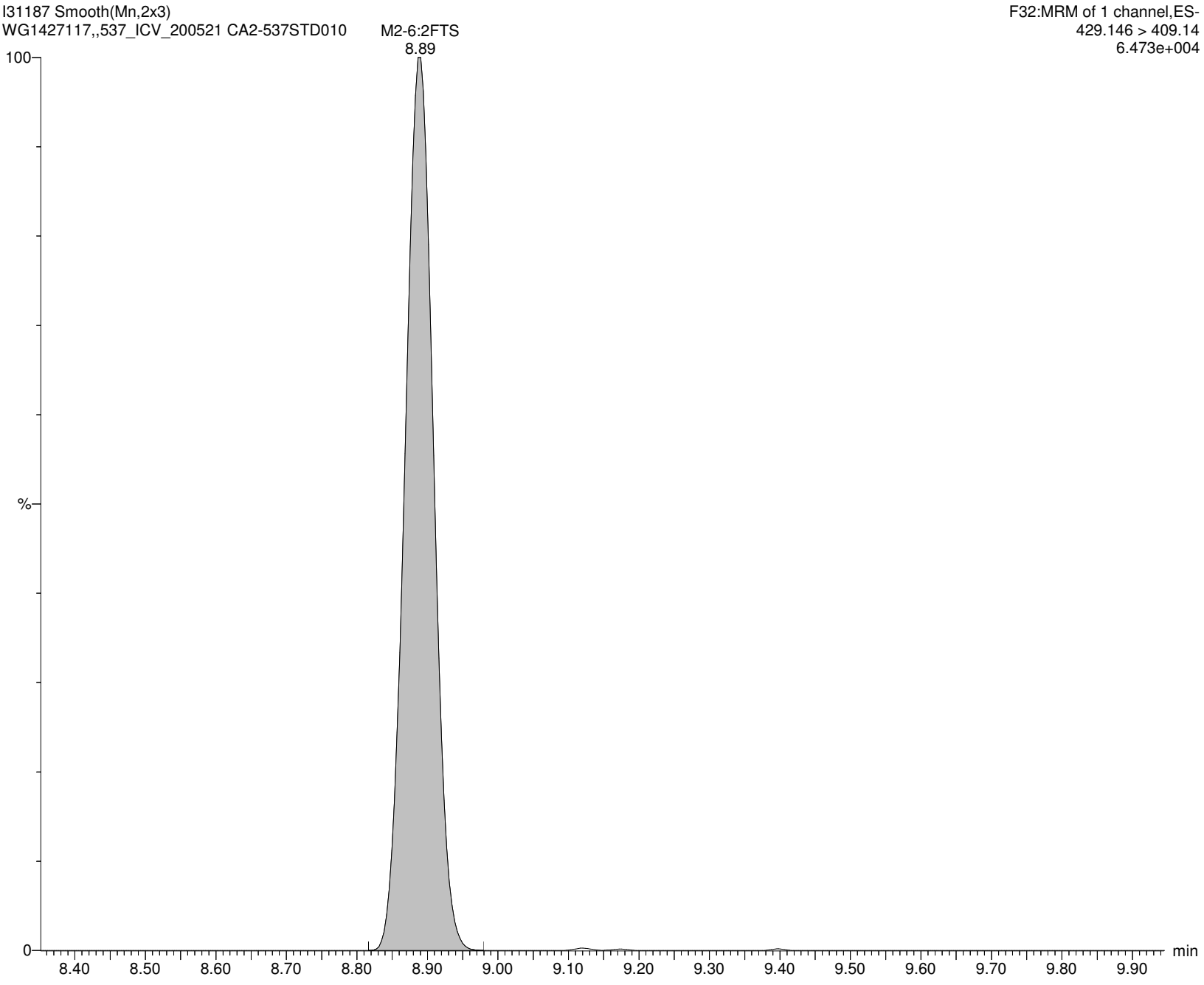

all concentration units in (ng/mL)

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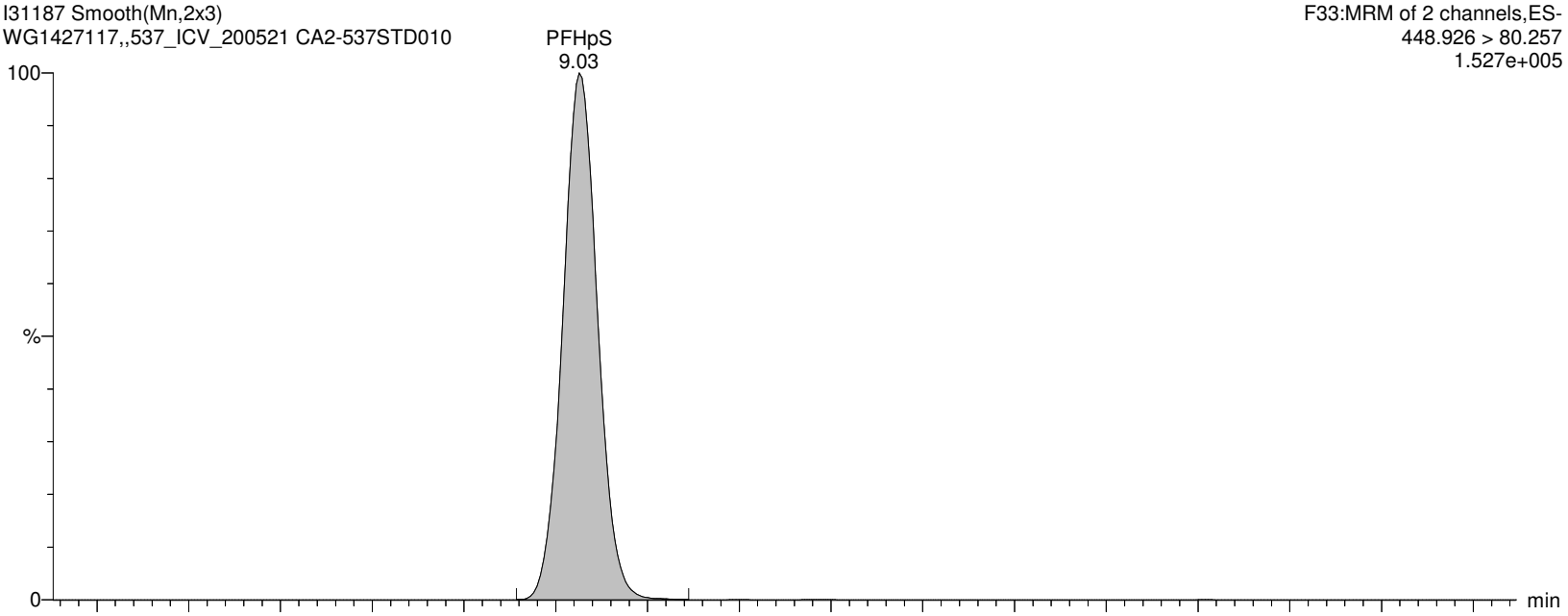

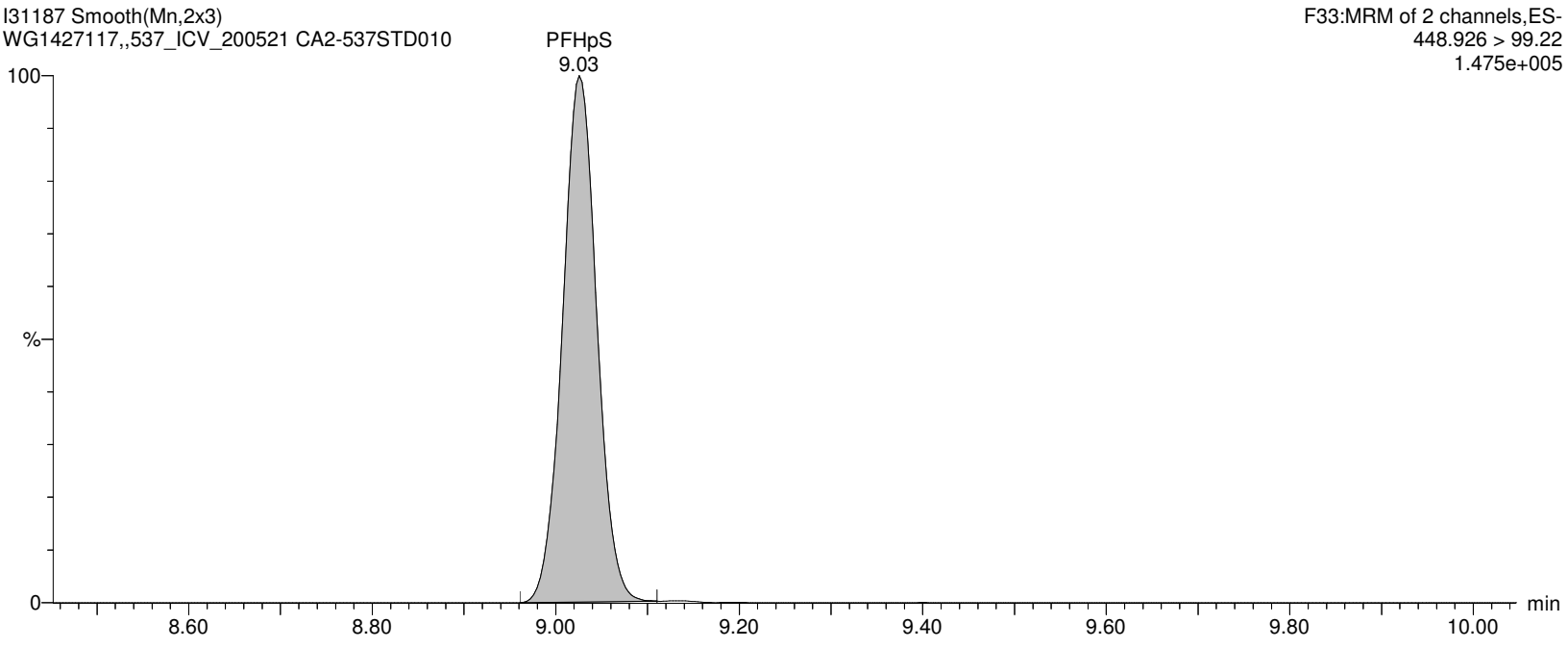

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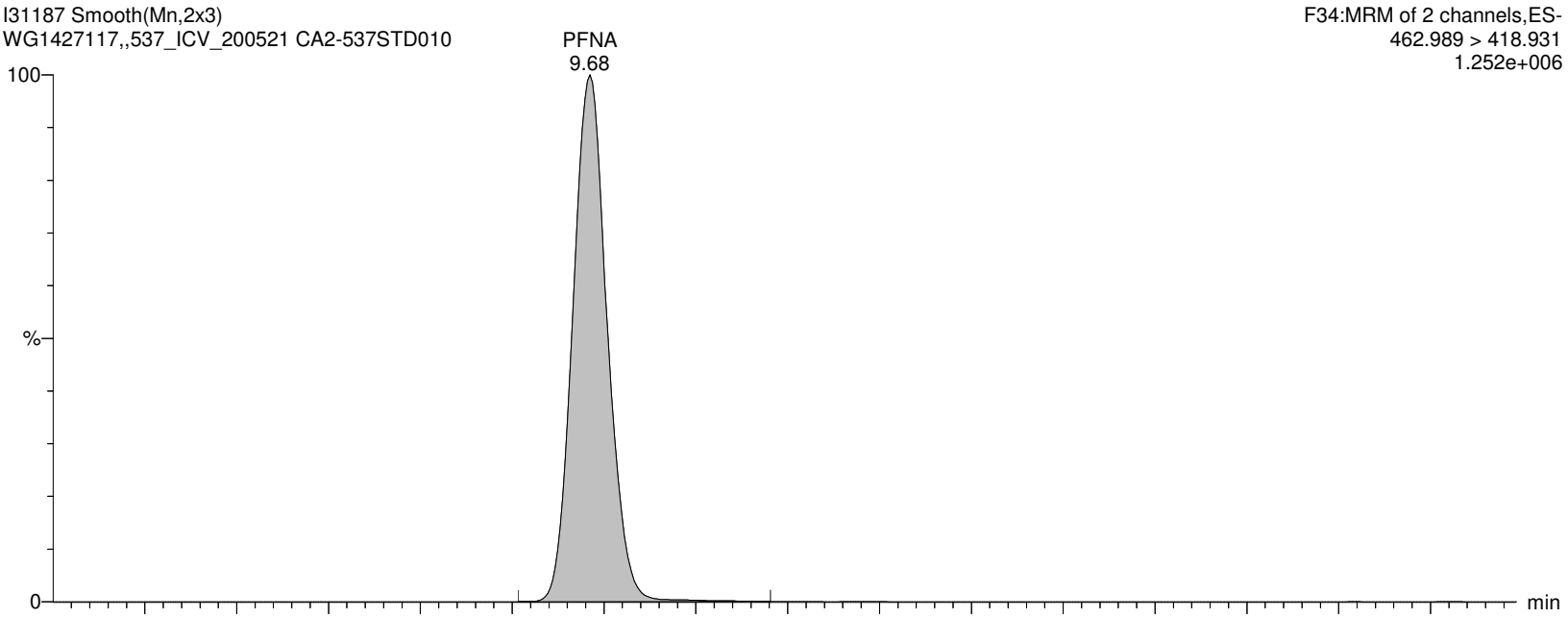

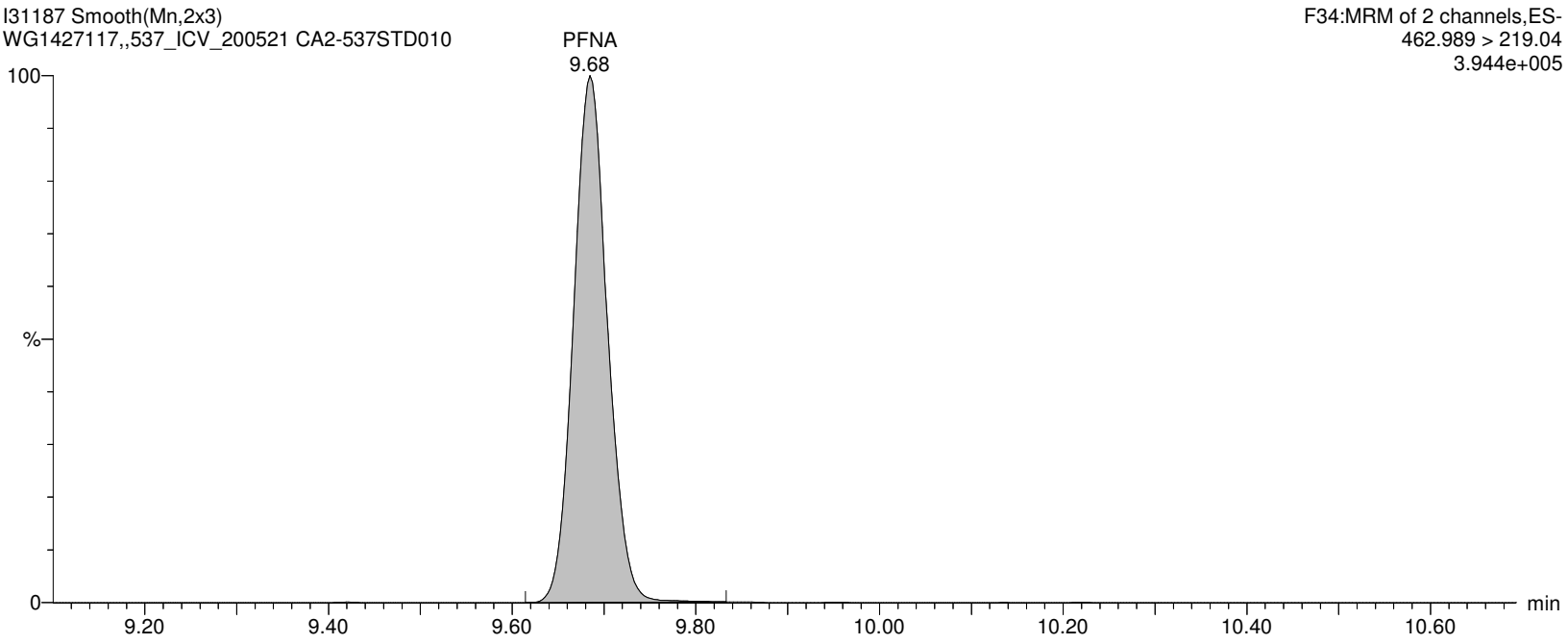

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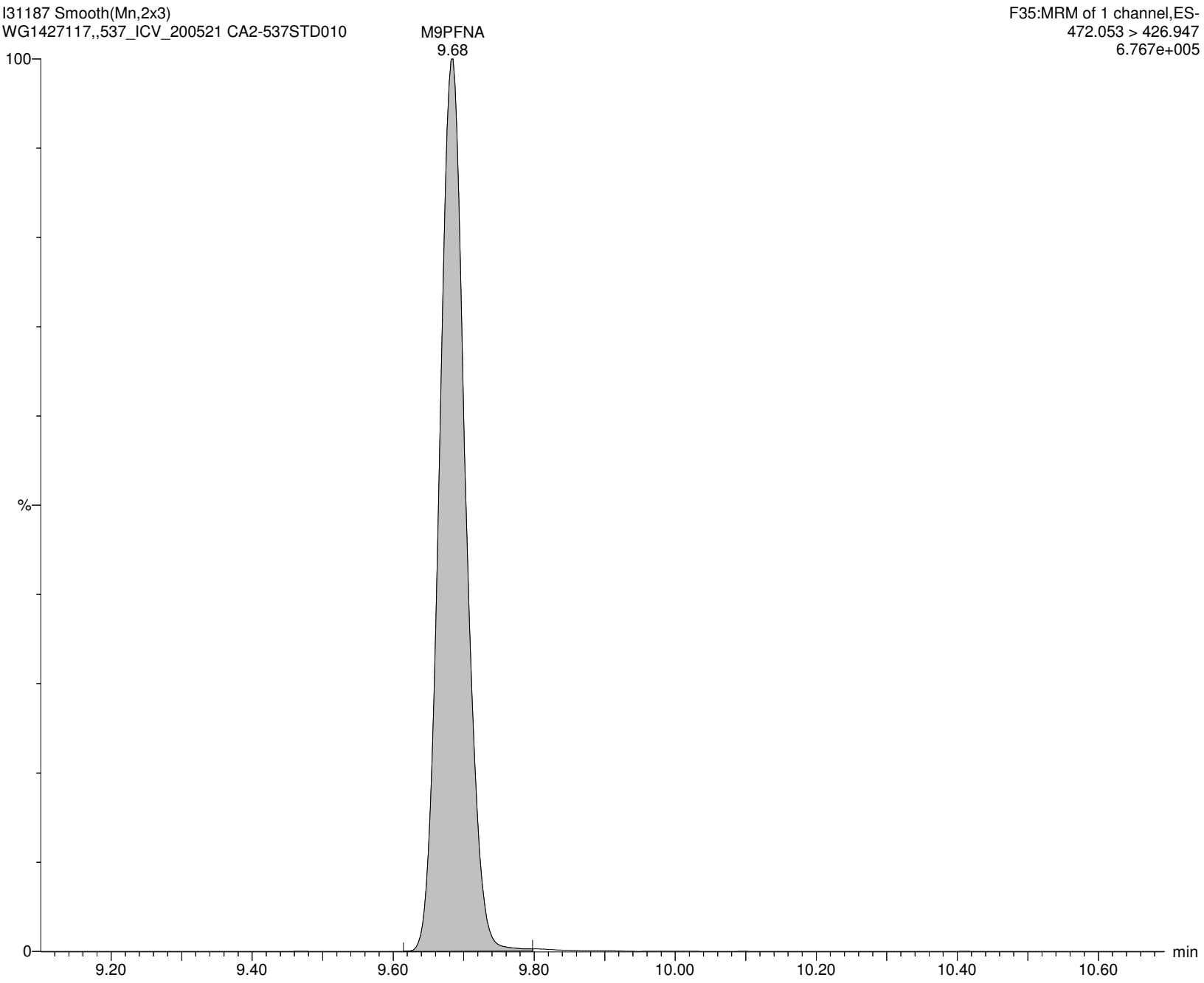
M9PFNA



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICV_2.qld
Last Altered: Wednesday, October 28, 2020 10:26:15 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:26:59 Eastern Daylight Time

Name: I31187
ID: CA2-537STD010
Date: 27-Oct-2020
Time: 20:42:42
Description: WG1427117,,537_ICV_200521
User: LCMS02:JW
Vial: 1:B,1
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\200520_TUNE.IPR
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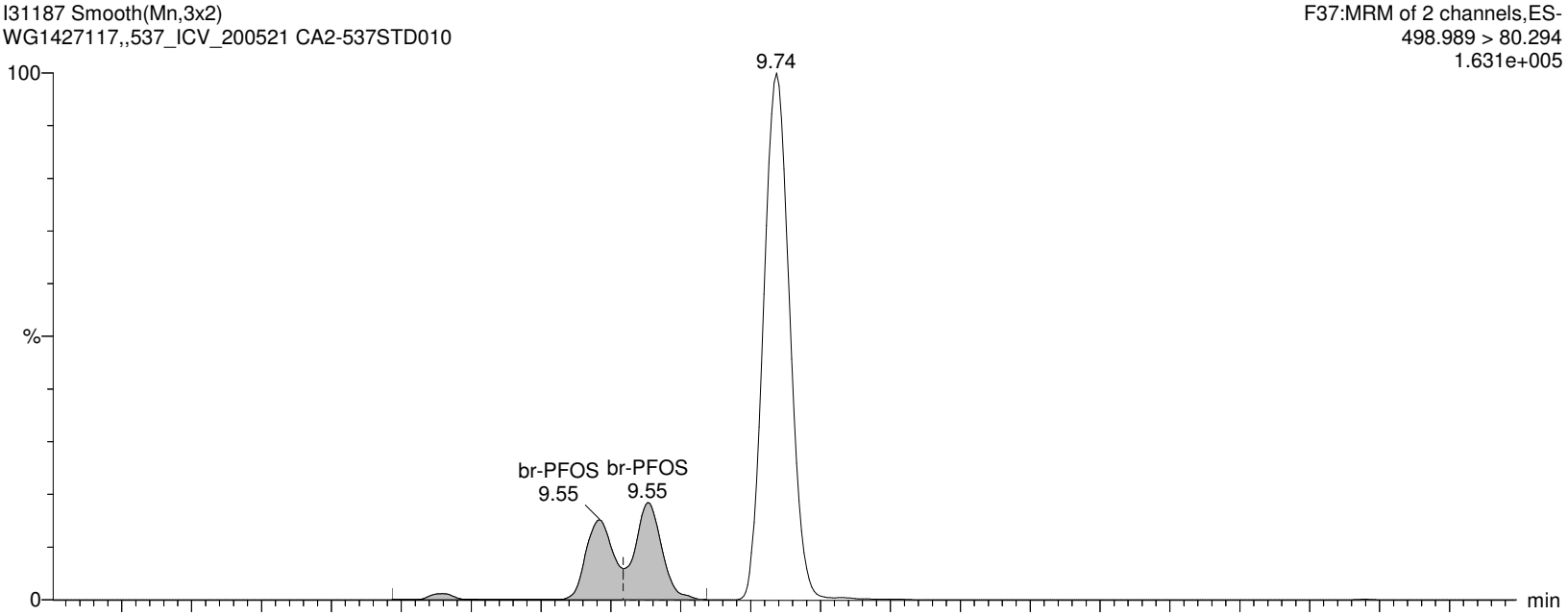

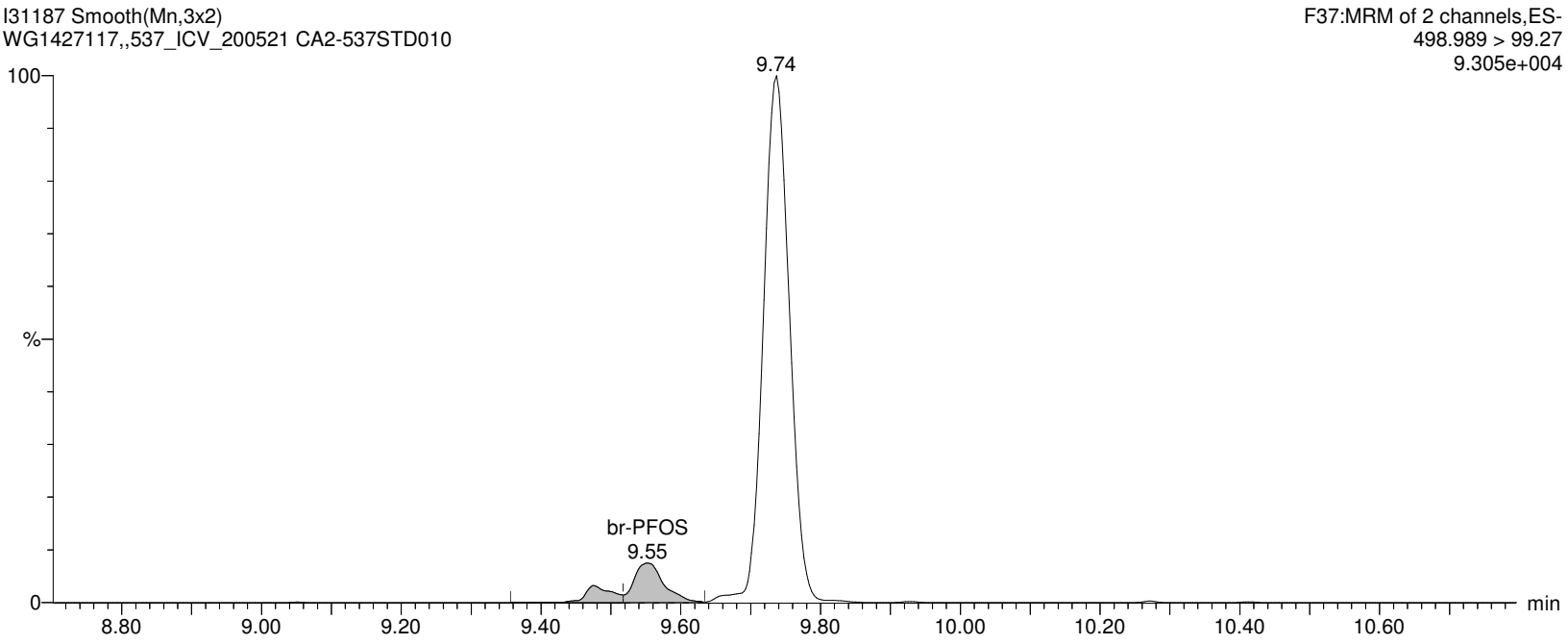

all concentration units in (ng/mL)

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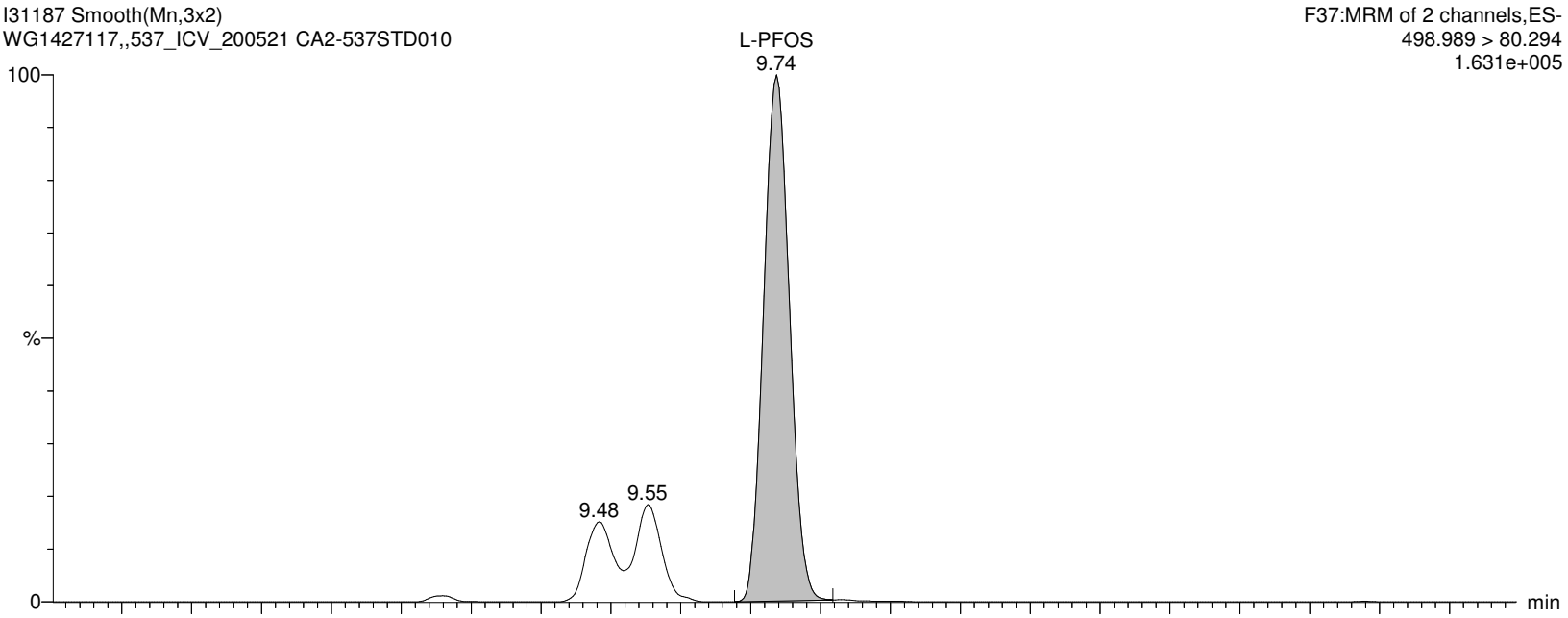

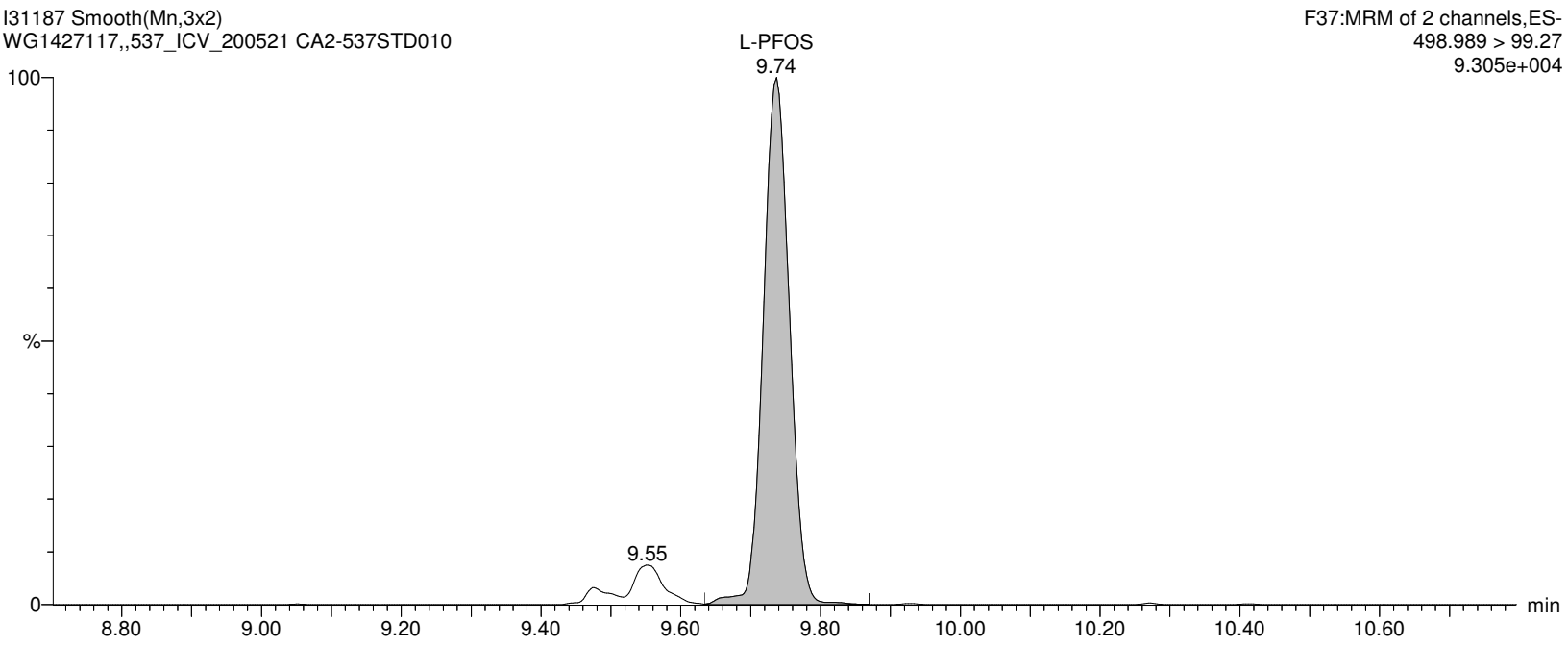

all concentration units in (ng/mL)

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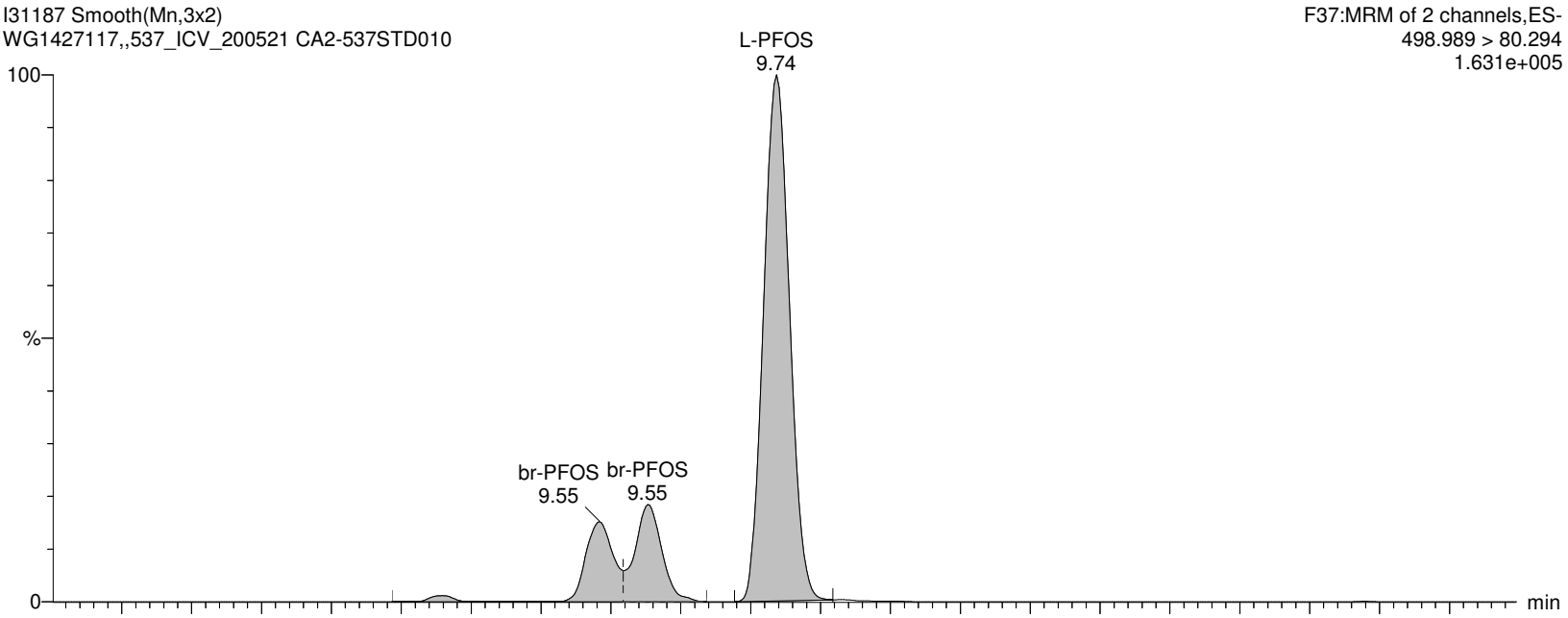

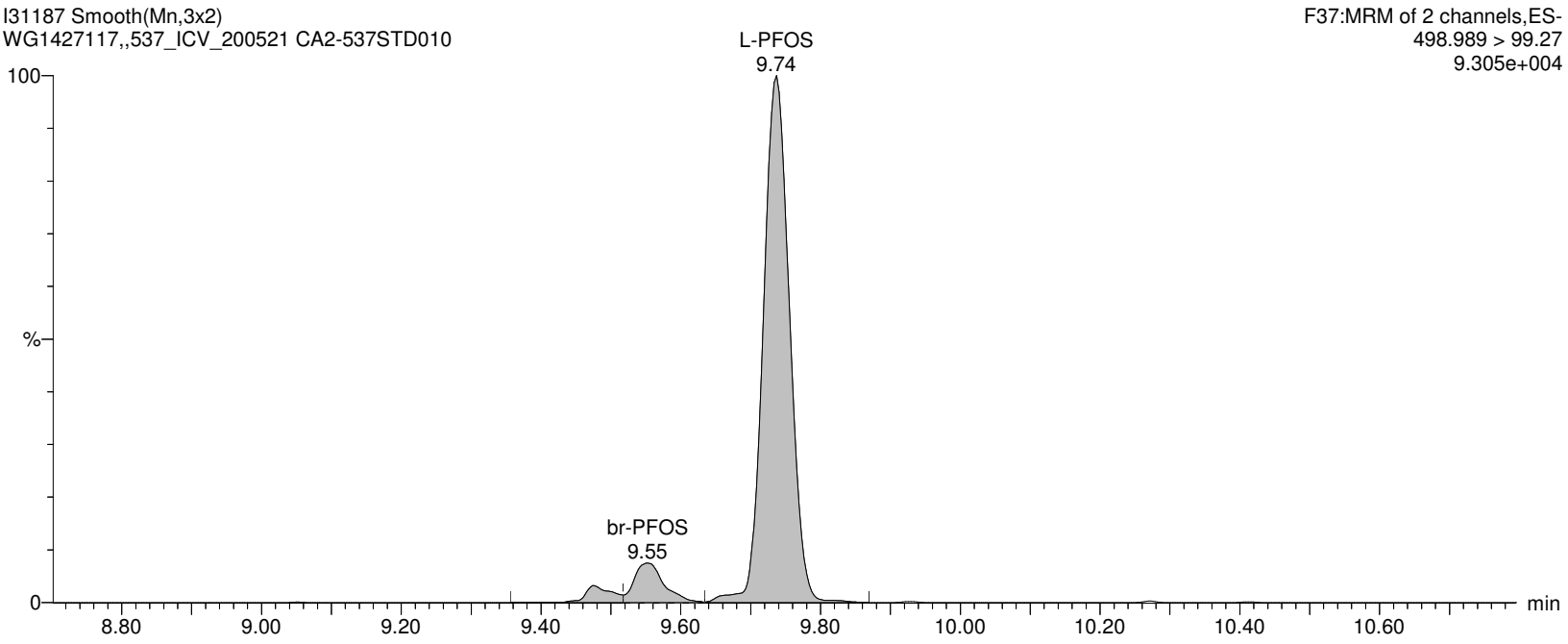

all concentration units in (ng/mL)

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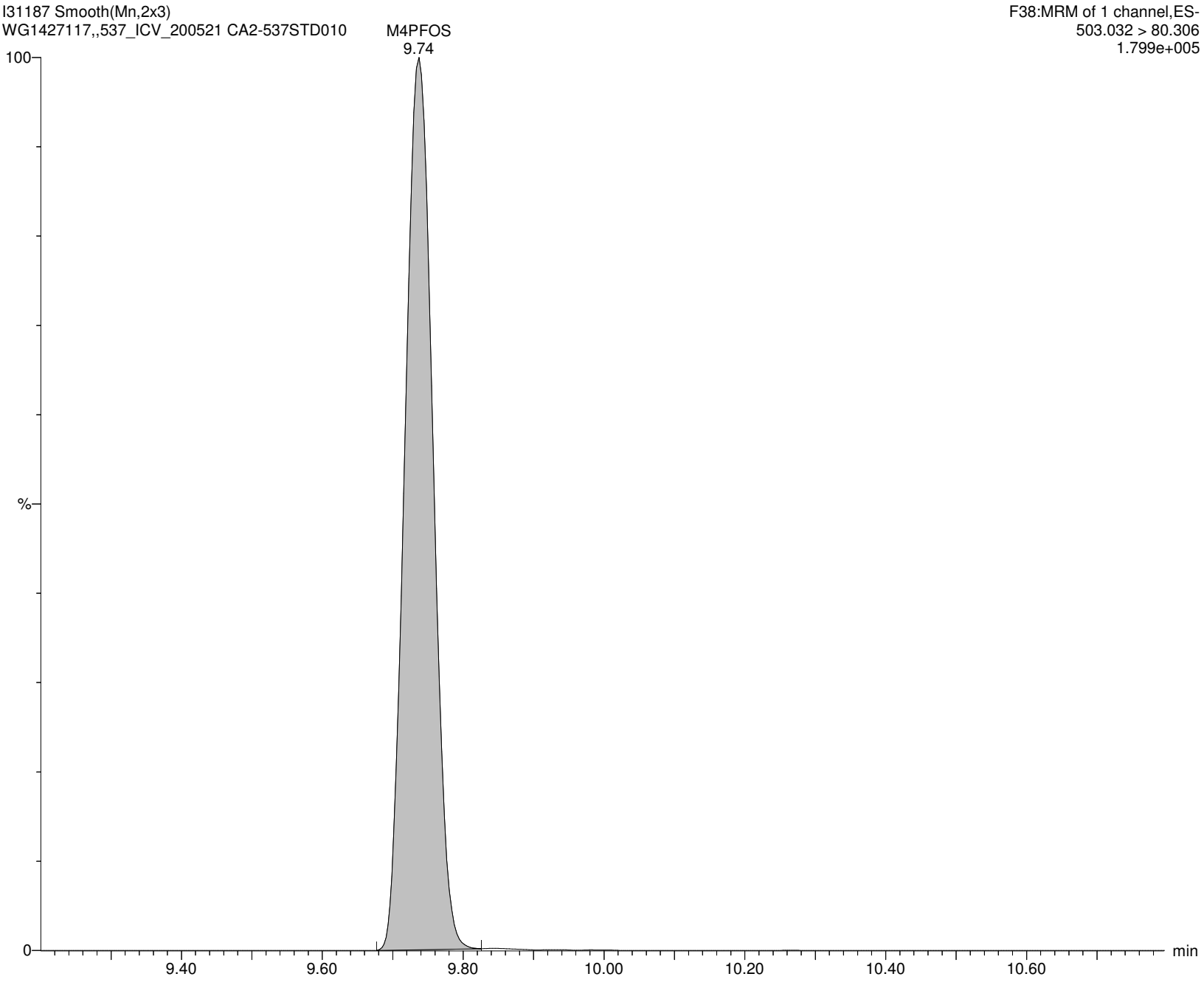
M4PFOS



all concentration units in (ng/mL)

Alpha Analytical Inc.
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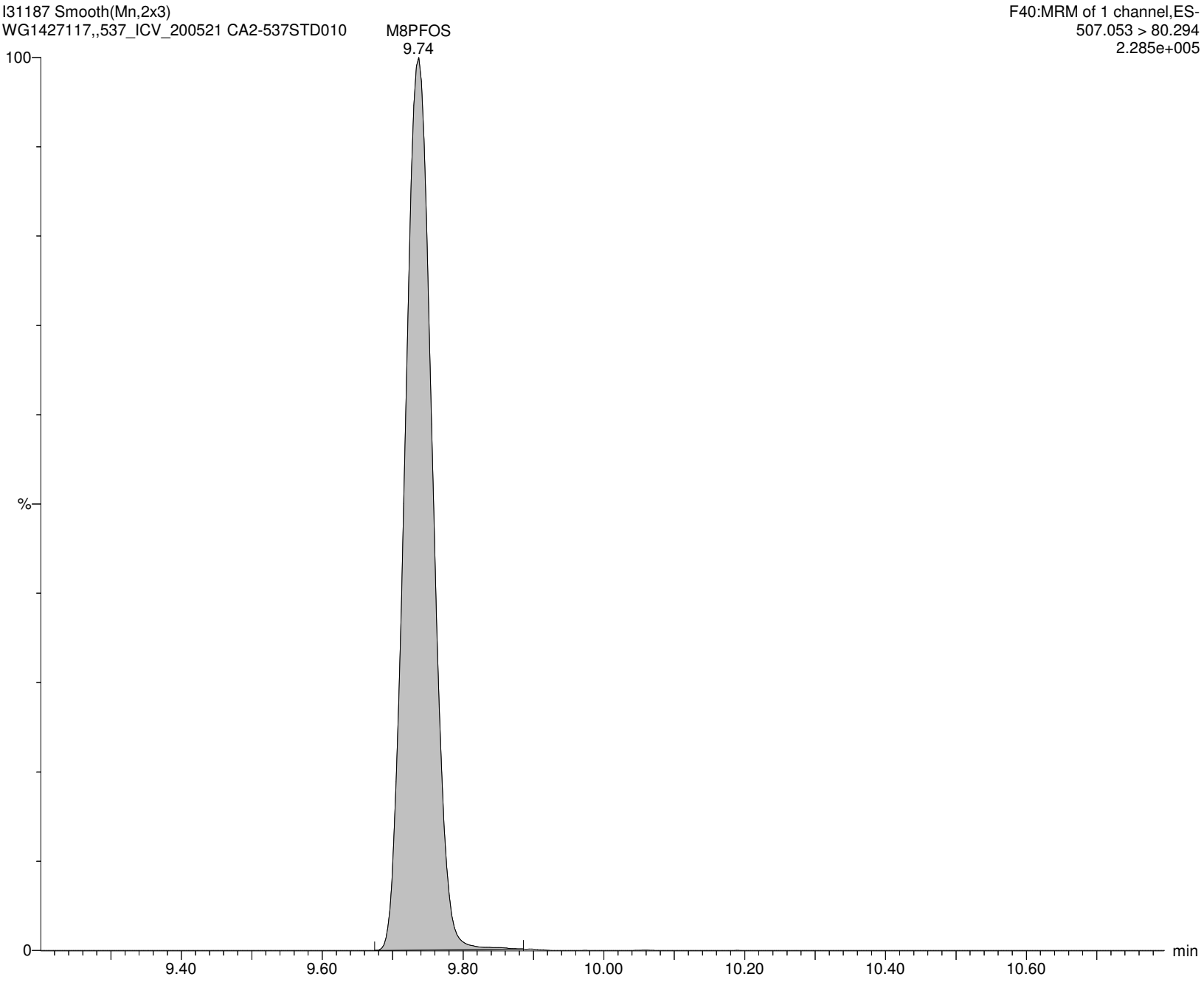

all concentration units in (ng/mL)

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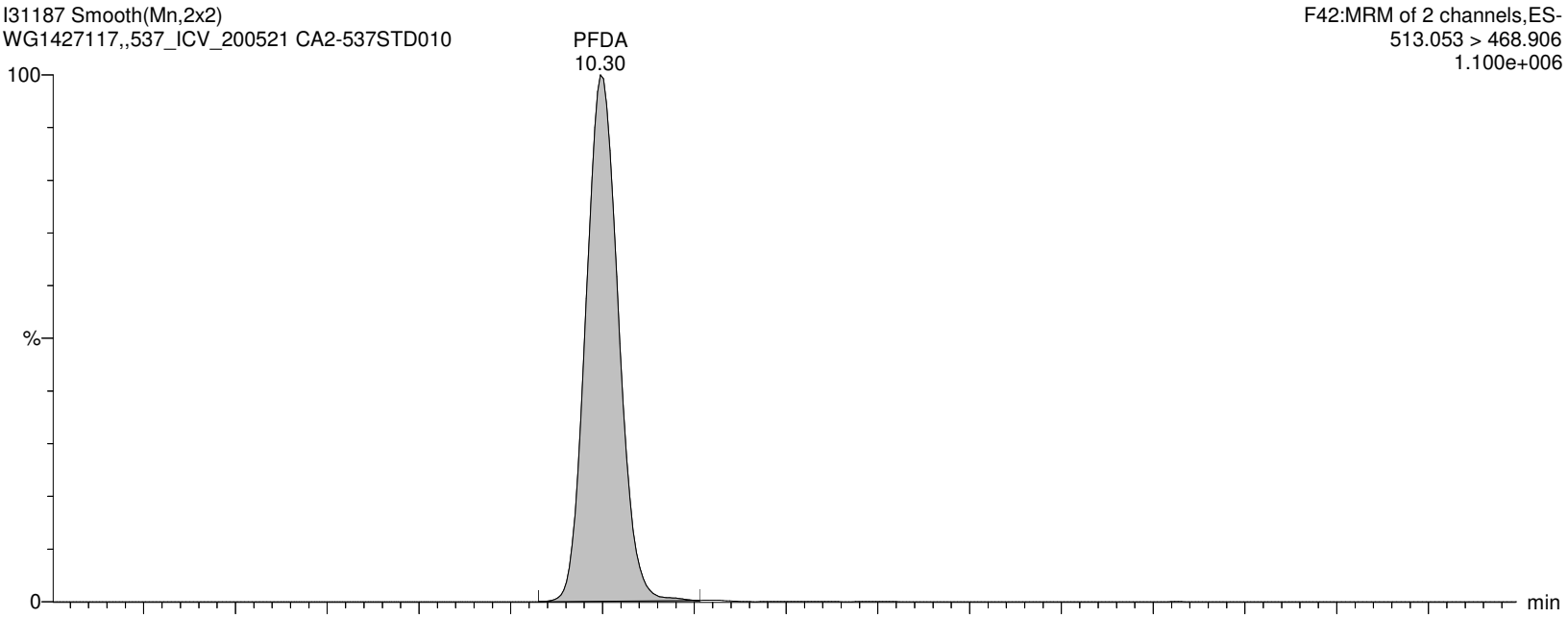

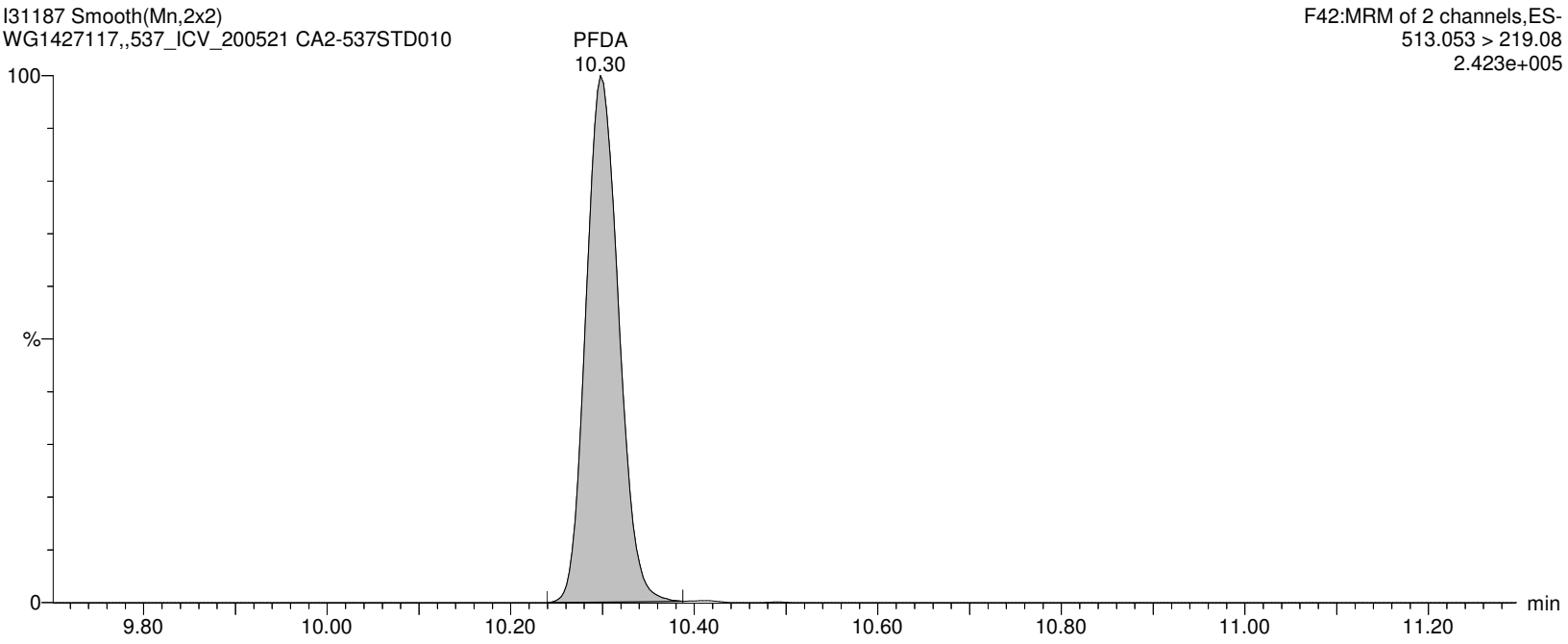

all concentration units in (ng/mL)

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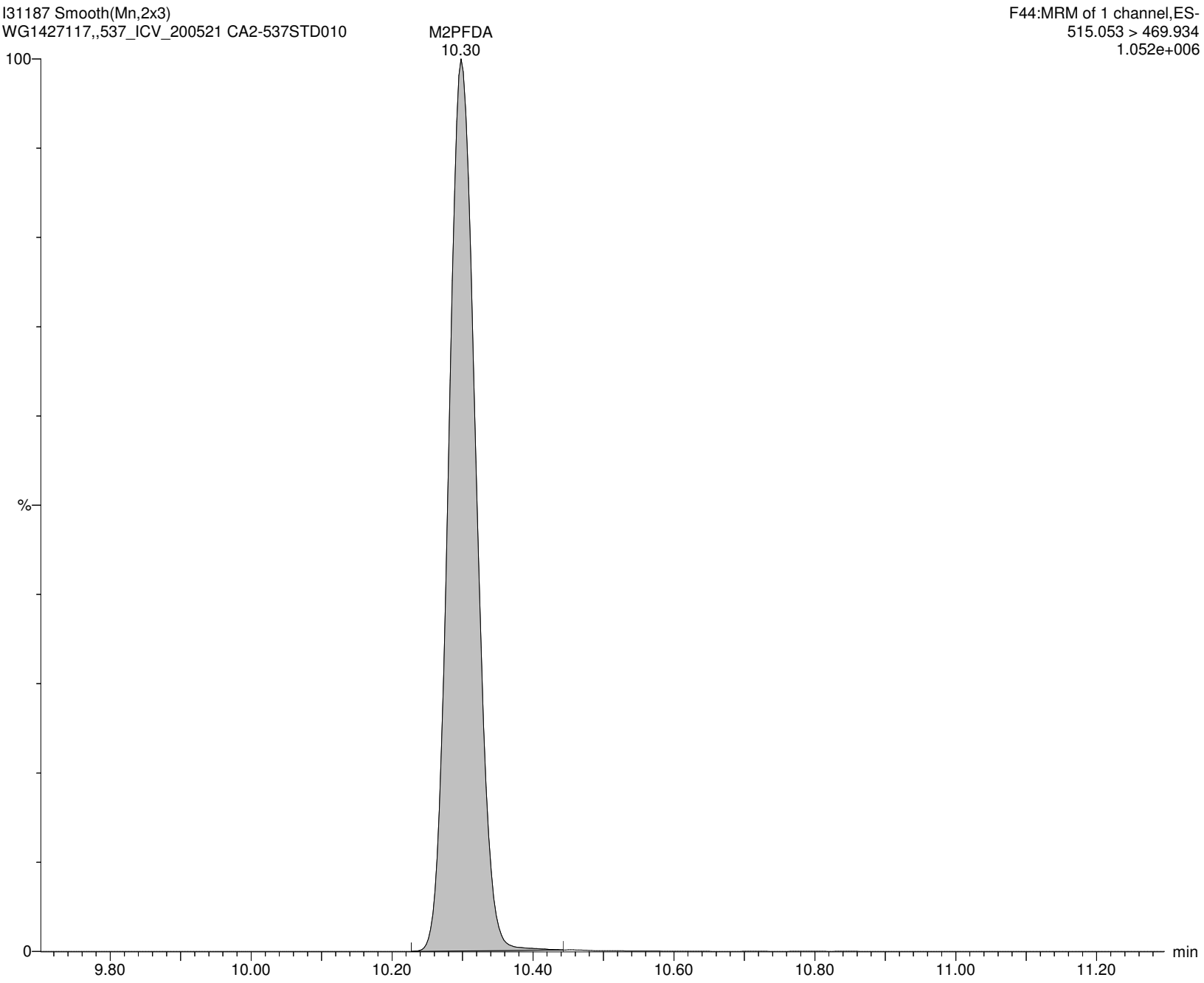
M2PFDA



all concentration units in (ng/mL)

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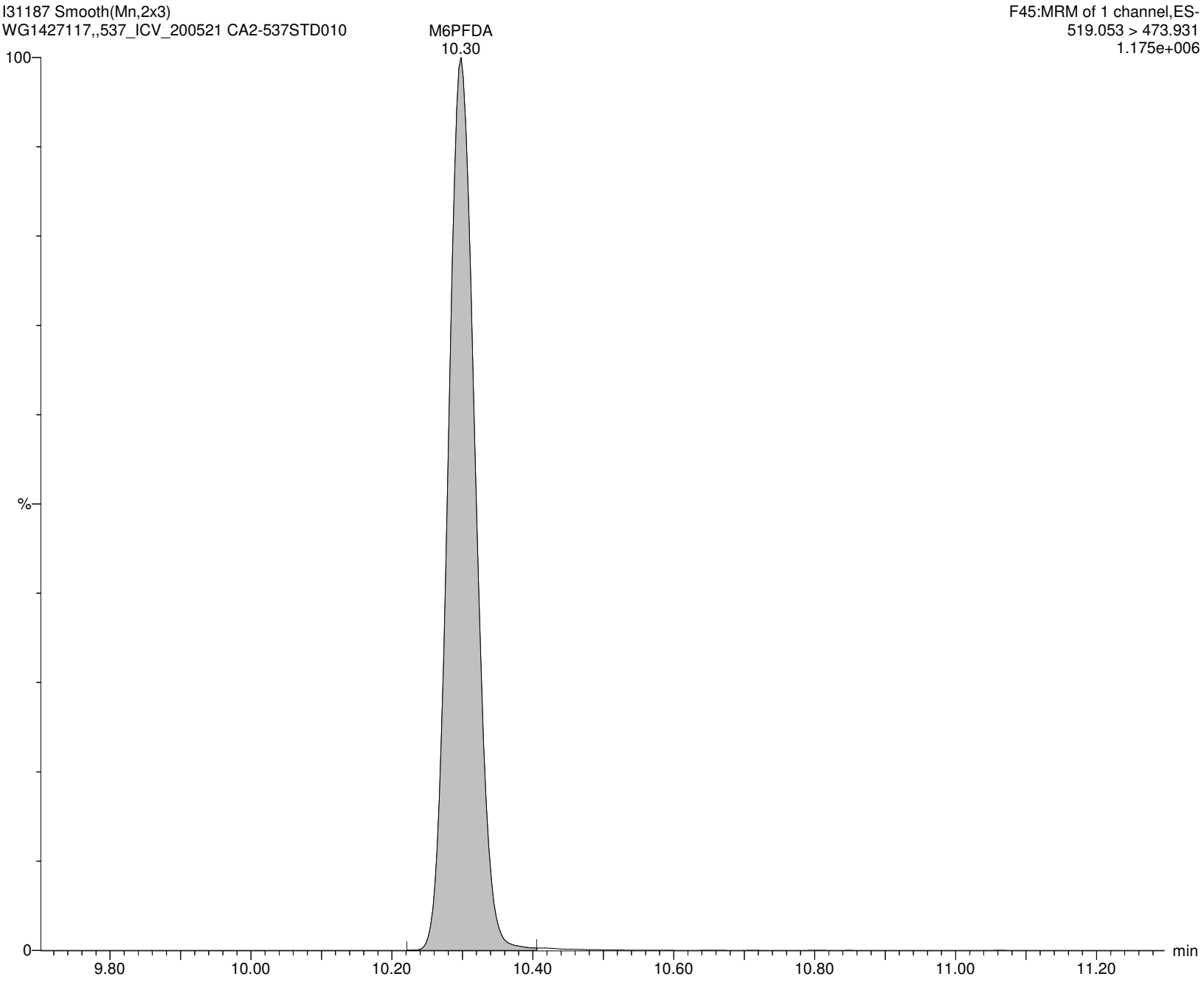
M6PFDA



all concentration units in (ng/mL)

Alpha Analytical Inc.
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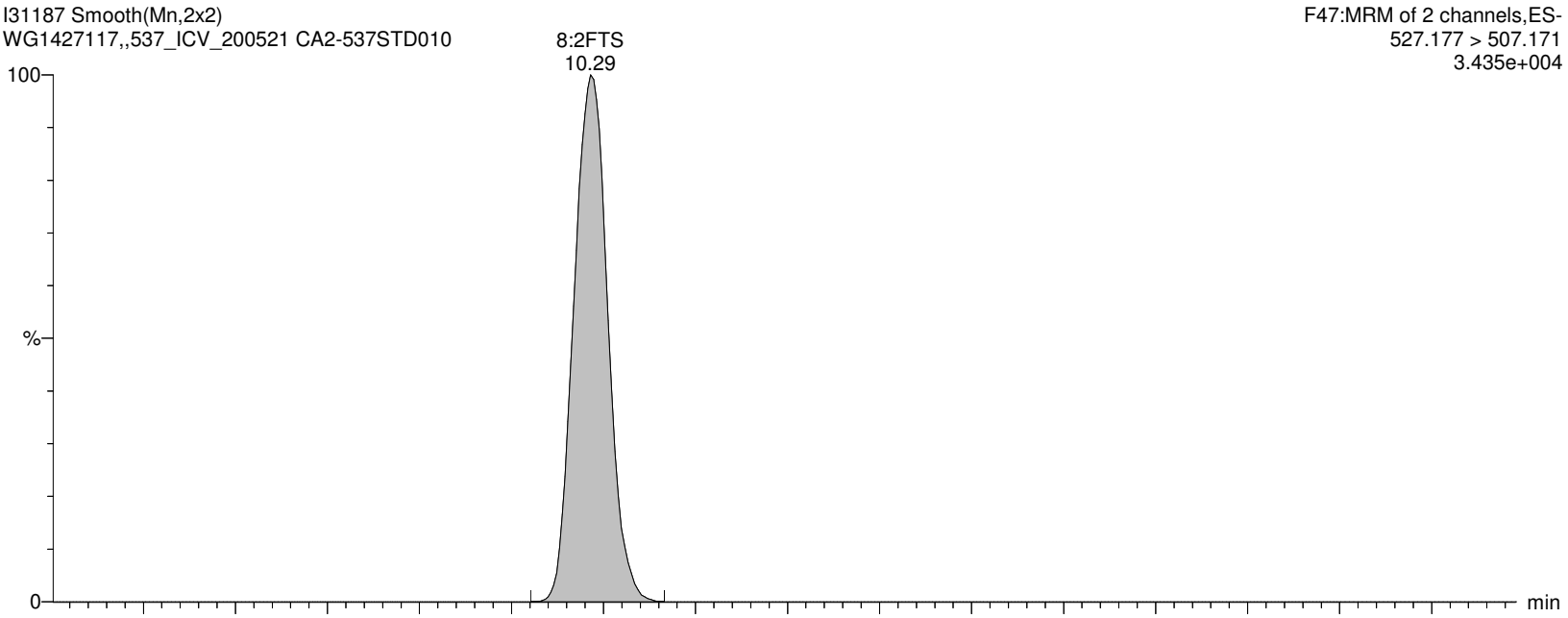
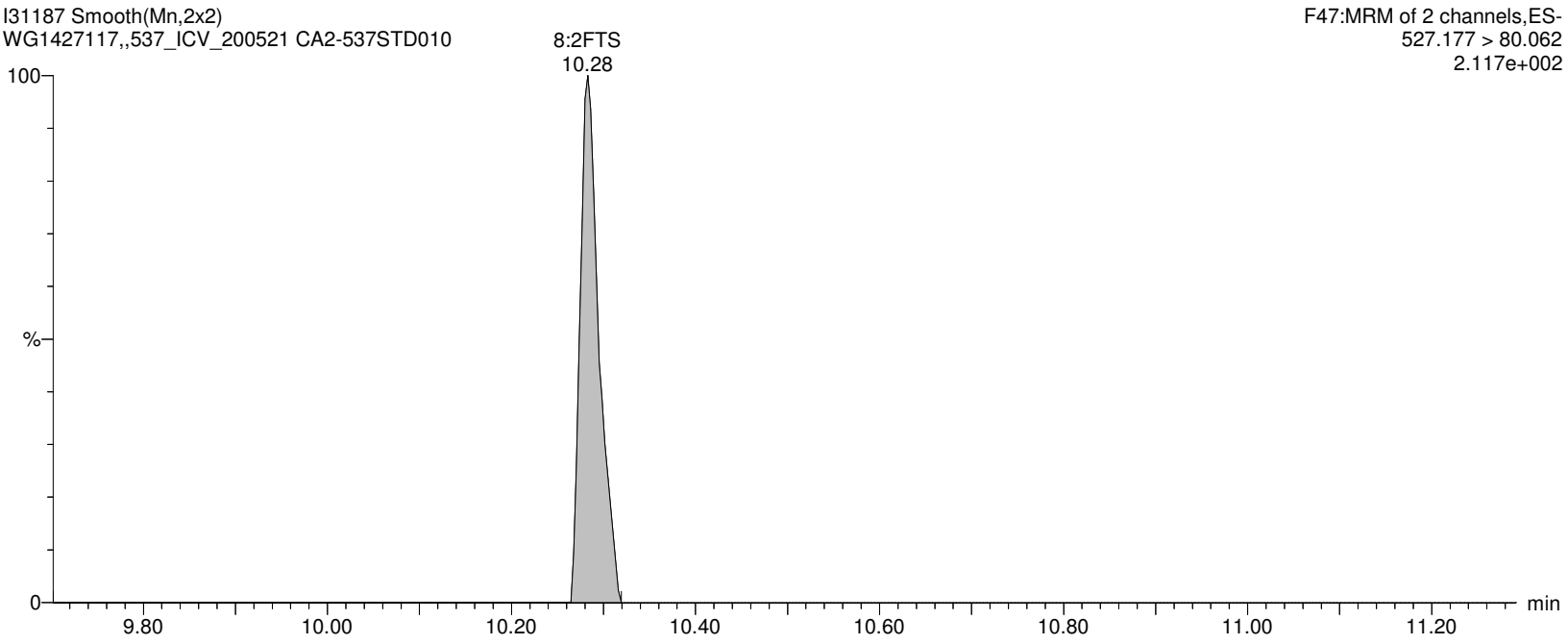
8:2FTS





all concentration units in (ng/mL)

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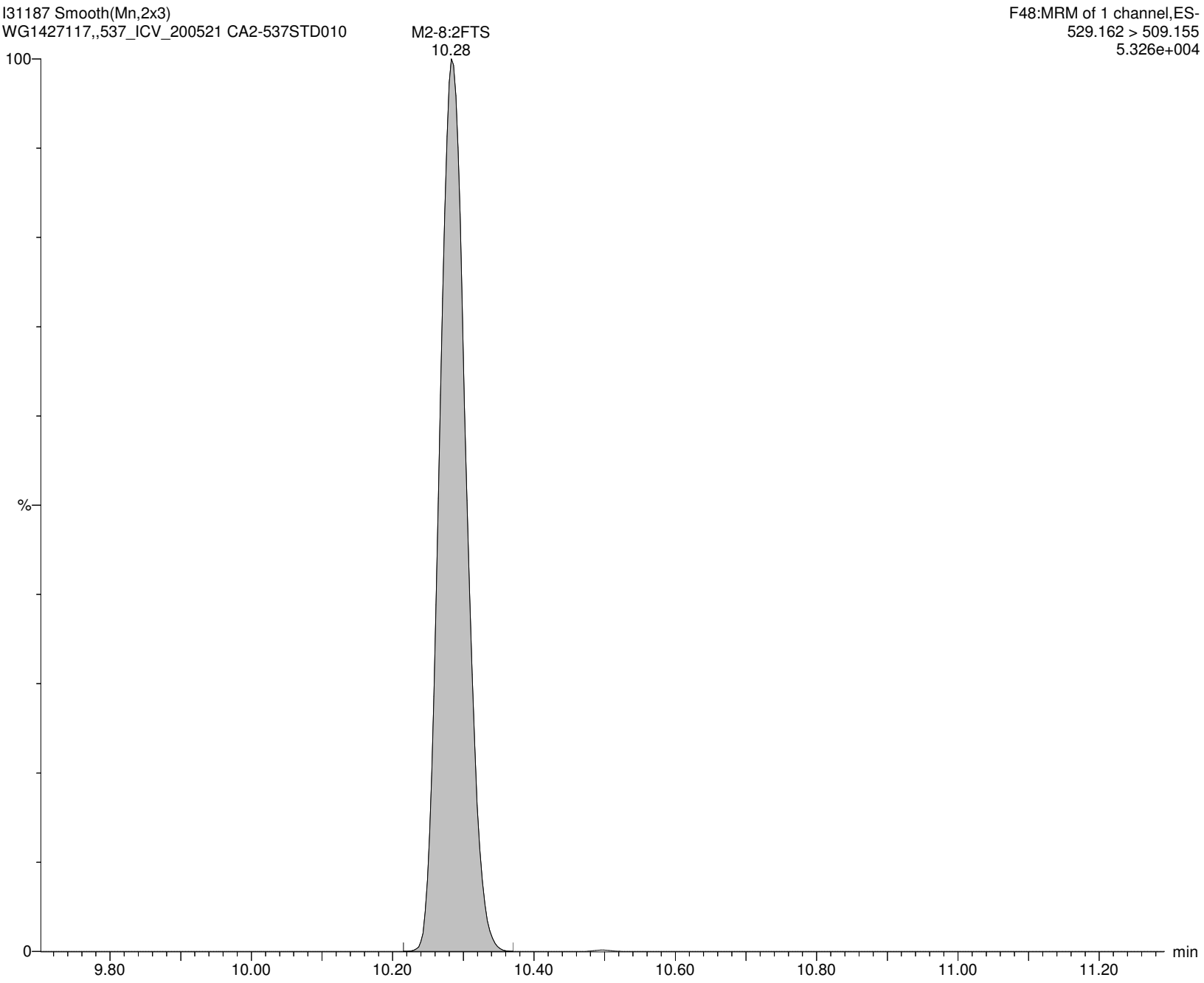

all concentration units in (ng/mL)

Alpha Analytical Inc.
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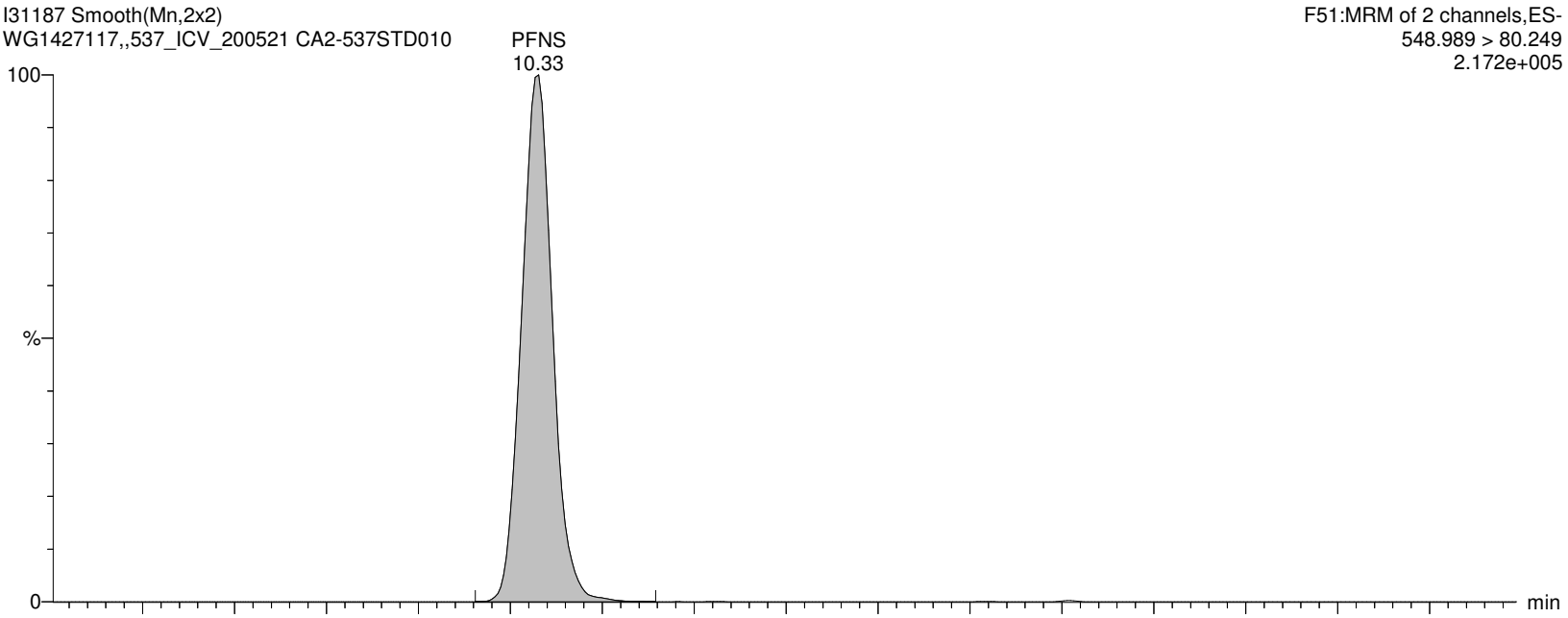

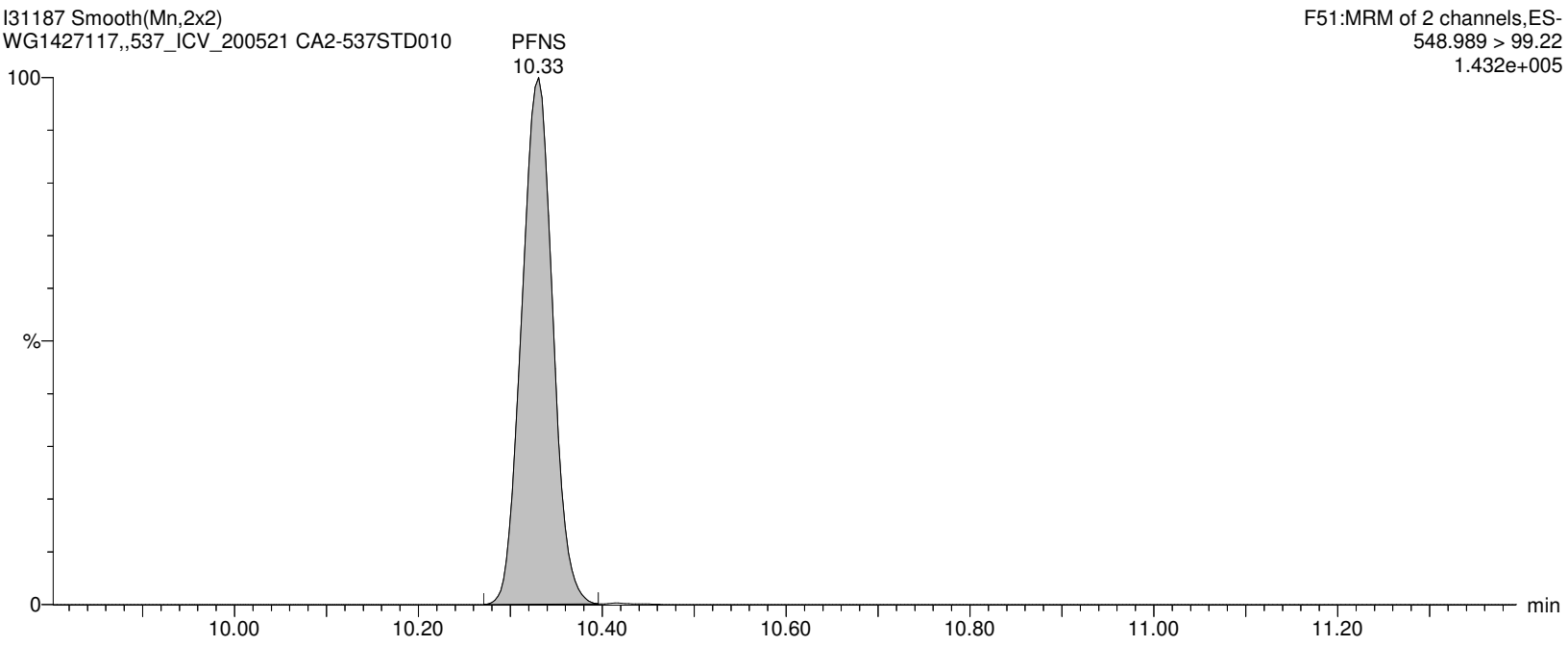

all concentration units in (ng/mL)

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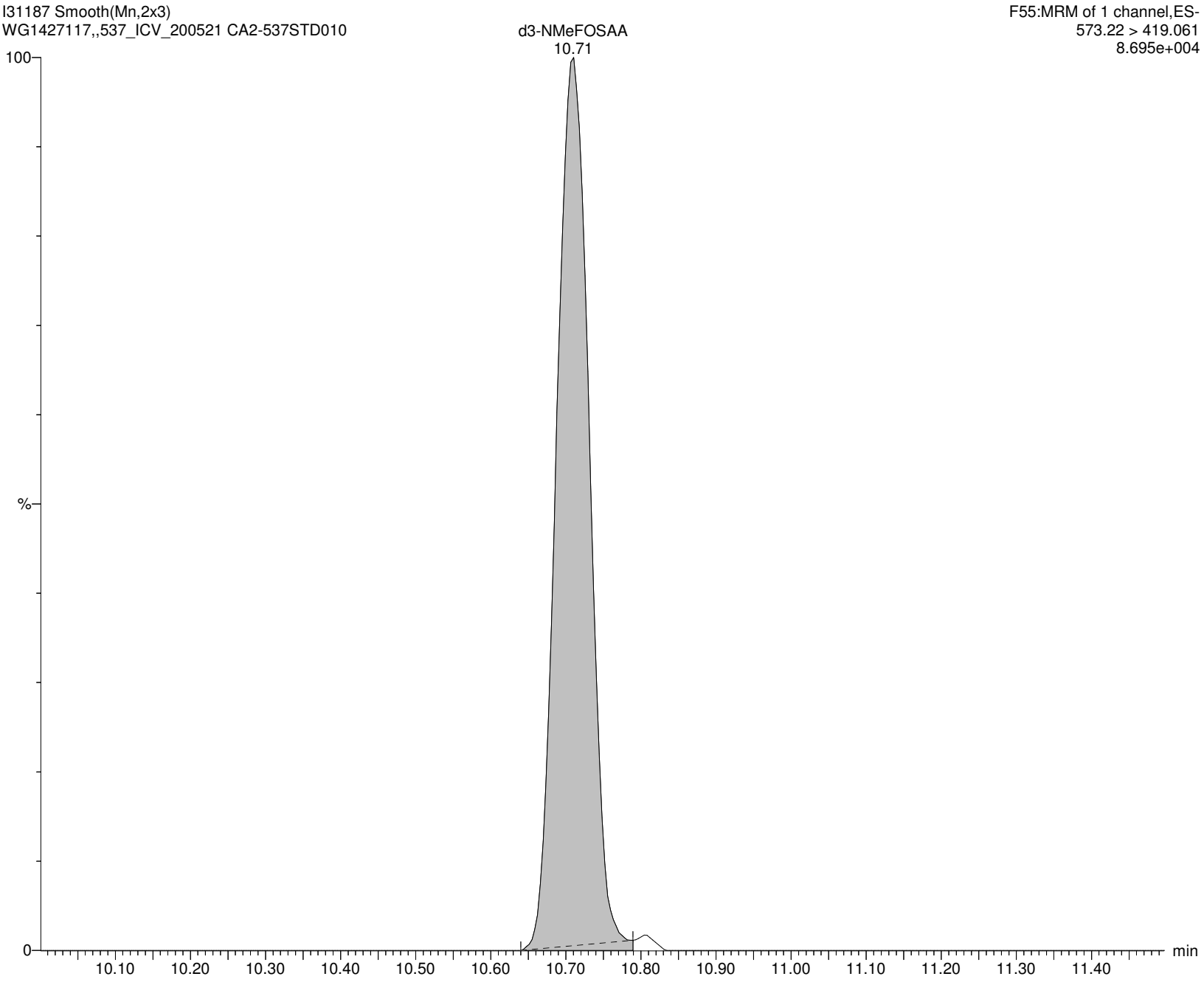

all concentration units in (ng/mL)

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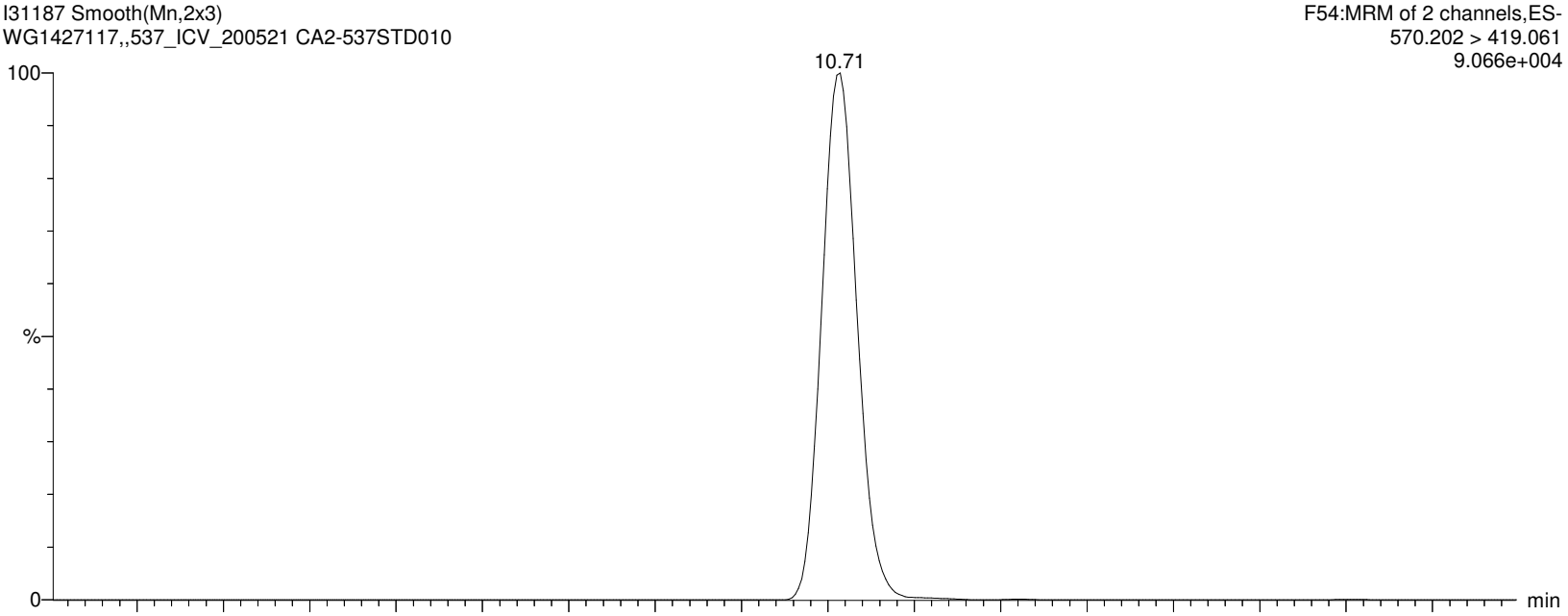

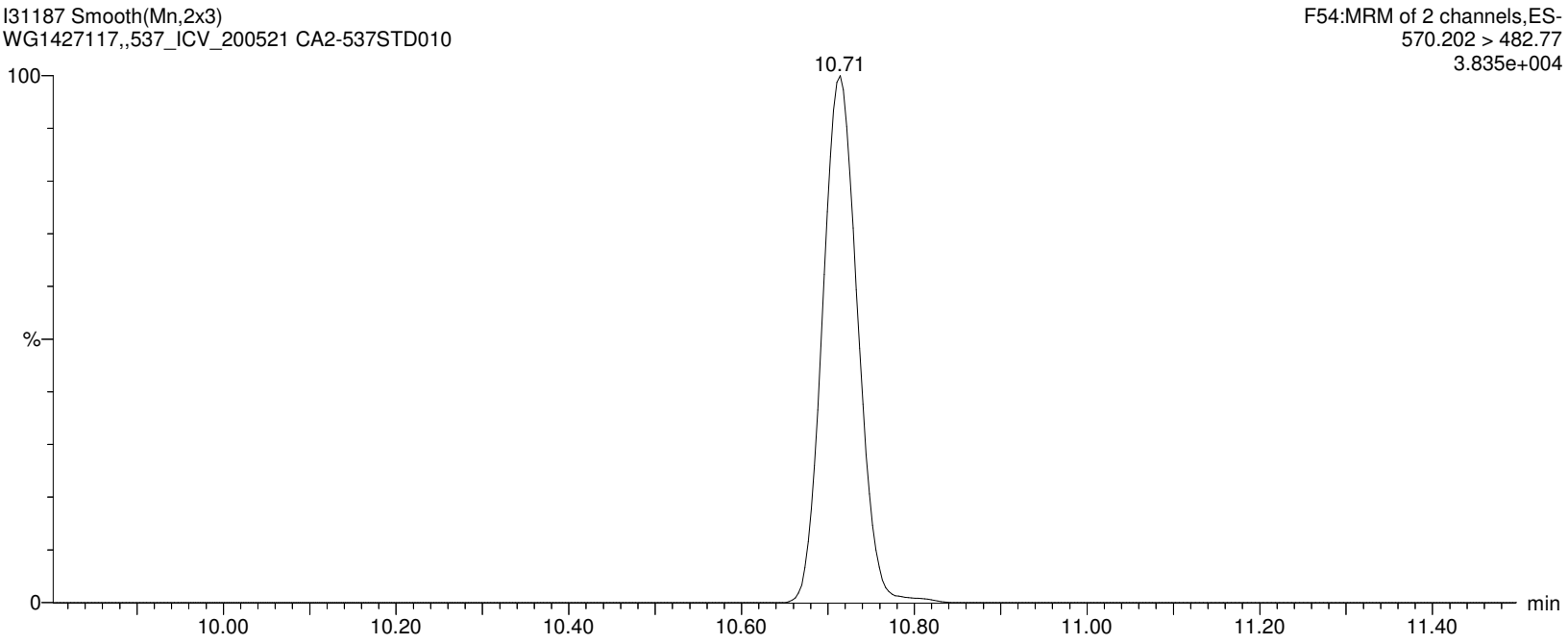

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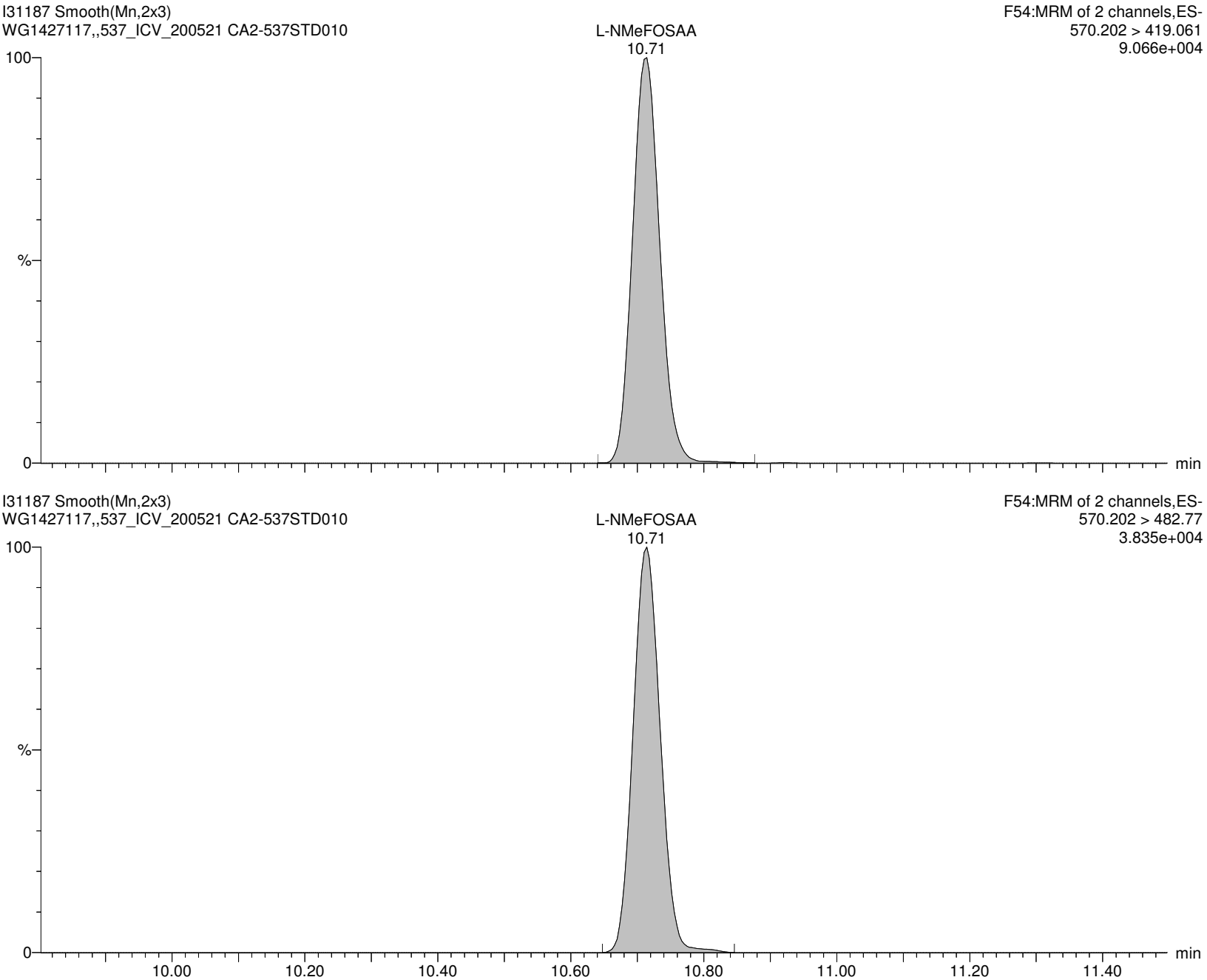
L-NMeFOSAA



all concentration units in (ng/mL)

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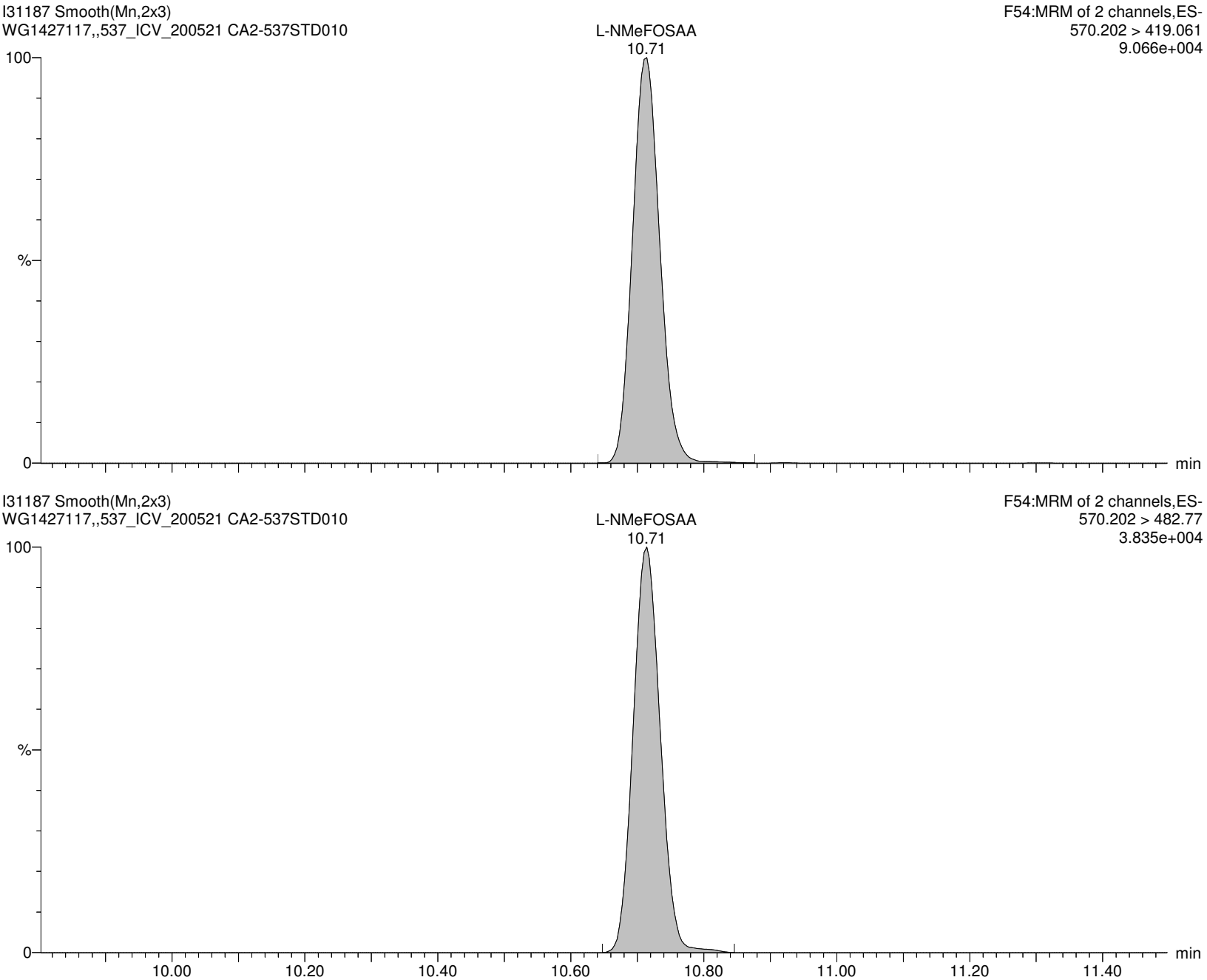

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Time: 20:42:42
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User: LCMS02:JW
Vial: 1:B,1
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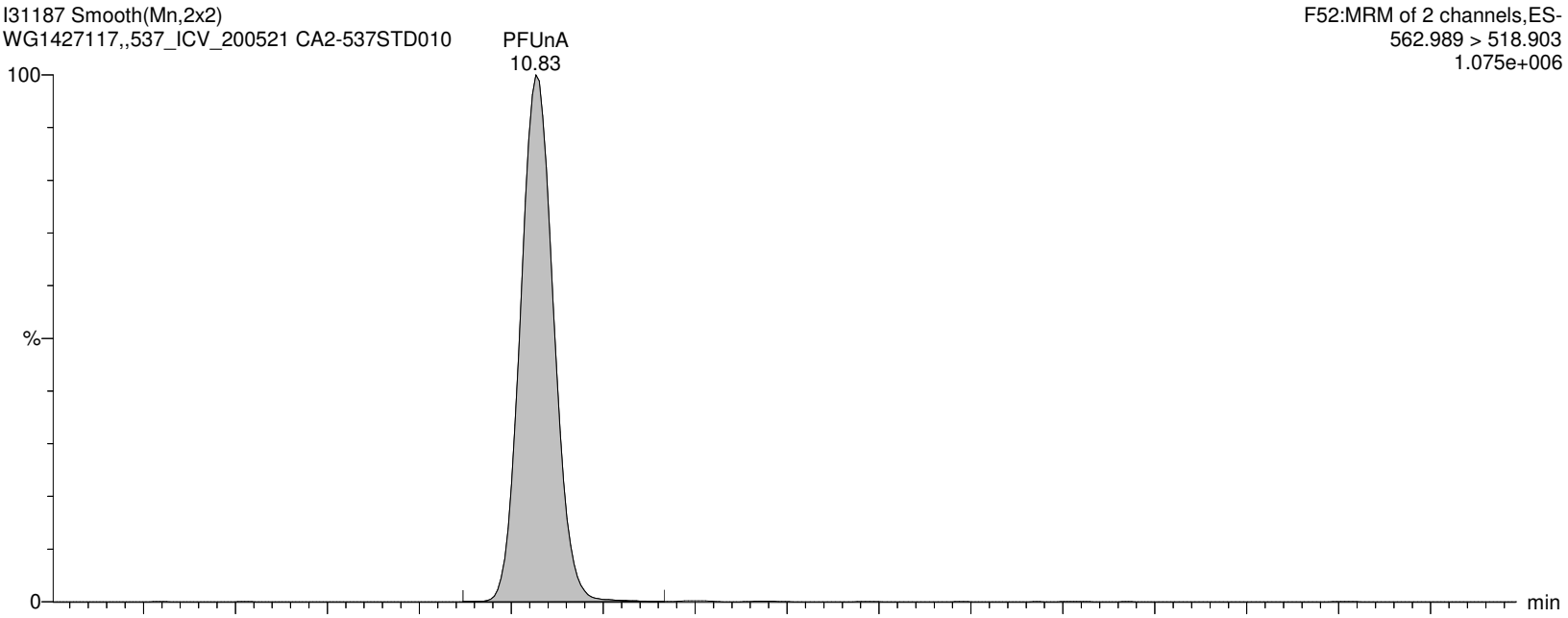

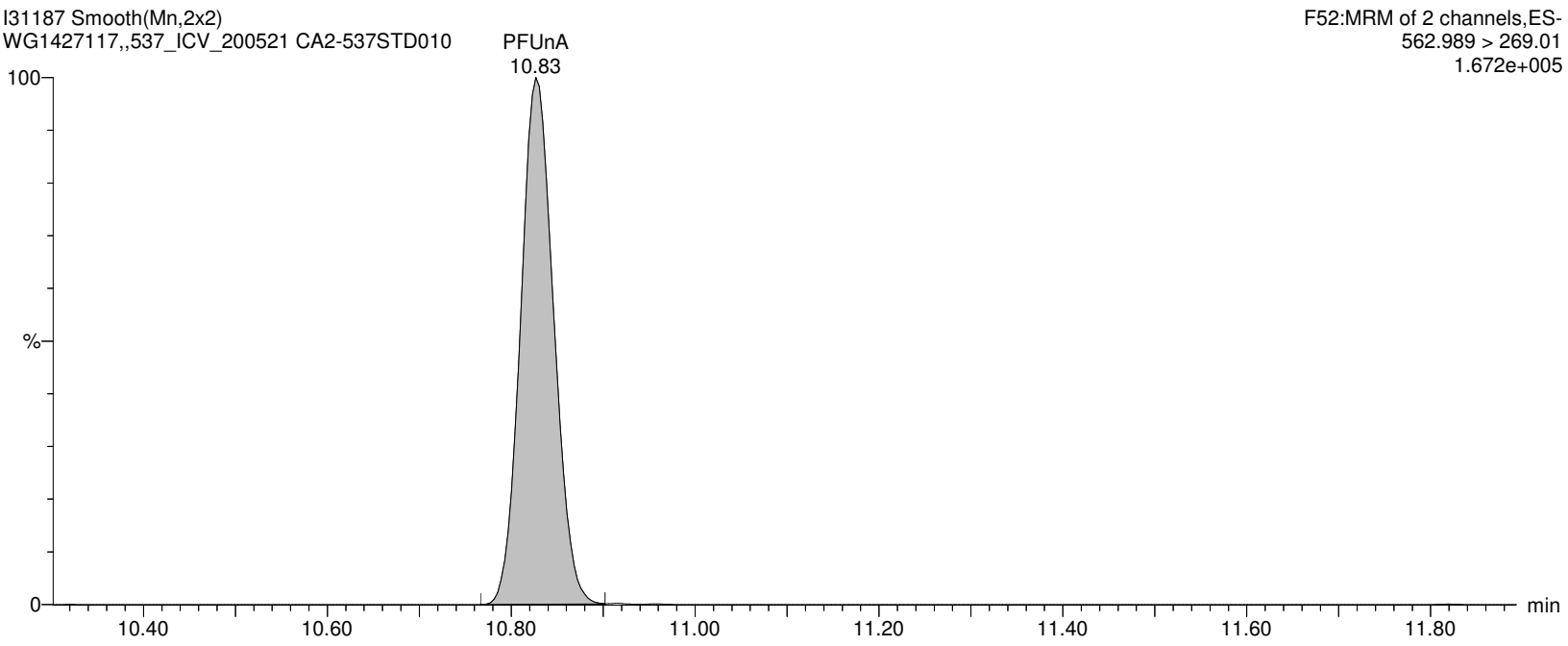

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICV_2.qld
Last Altered: Wednesday, October 28, 2020 10:26:15 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:26:59 Eastern Daylight Time

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Date: 27-Oct-2020
Time: 20:42:42
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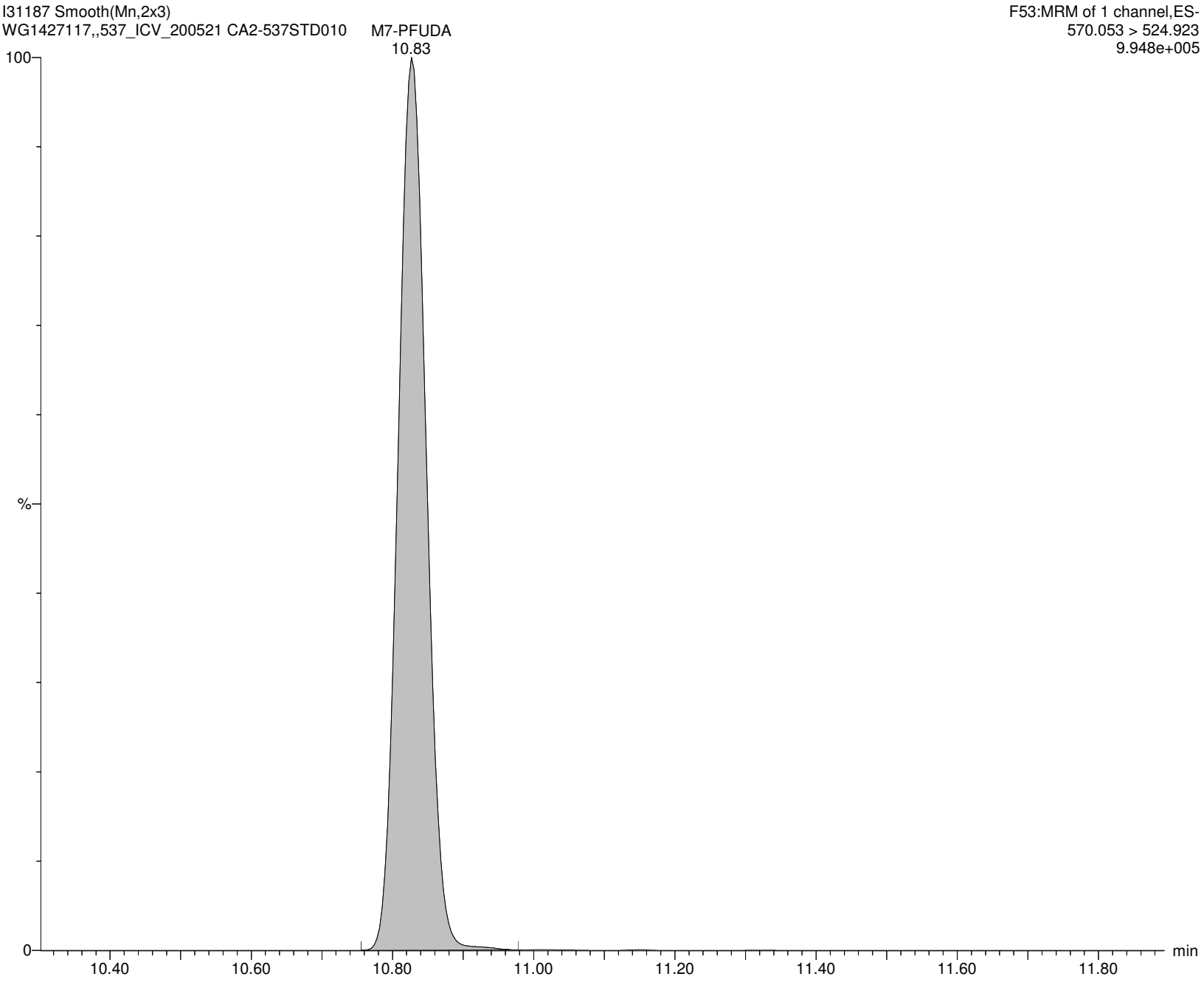

all concentration units in (ng/mL)

Alpha Analytical Inc.
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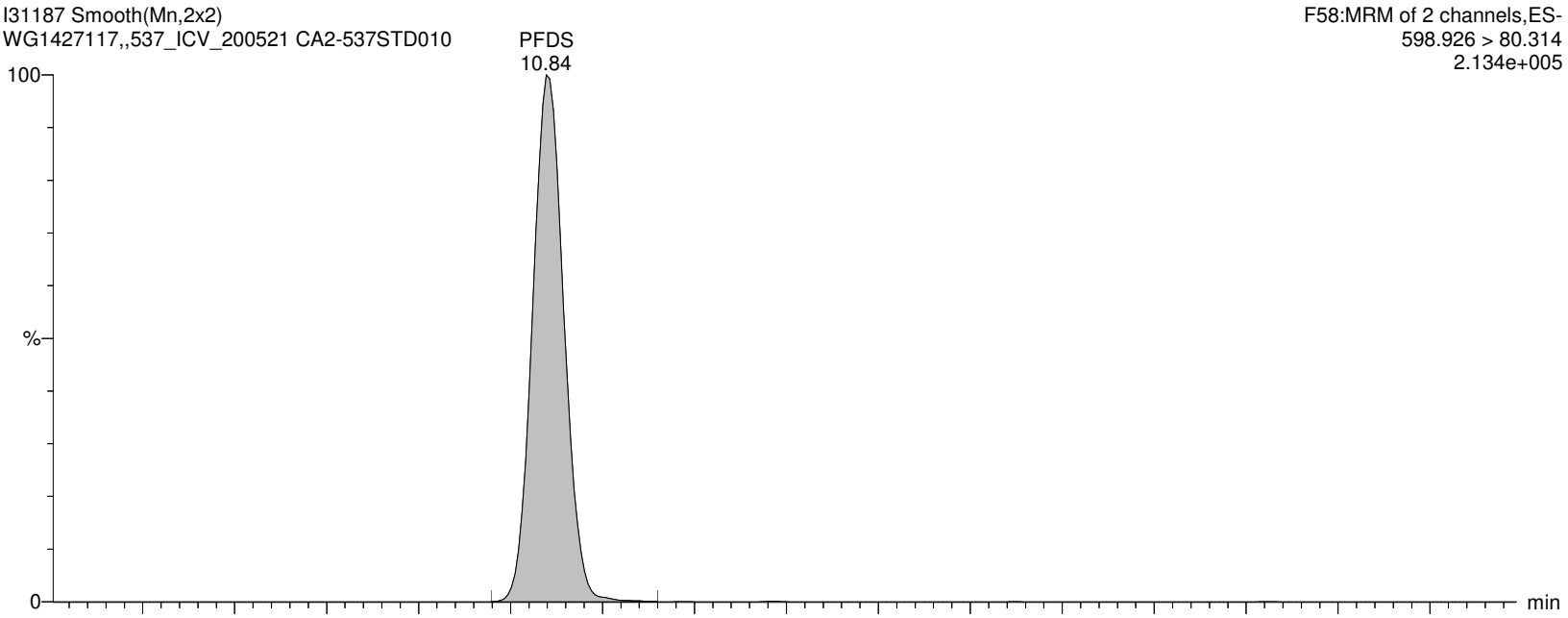

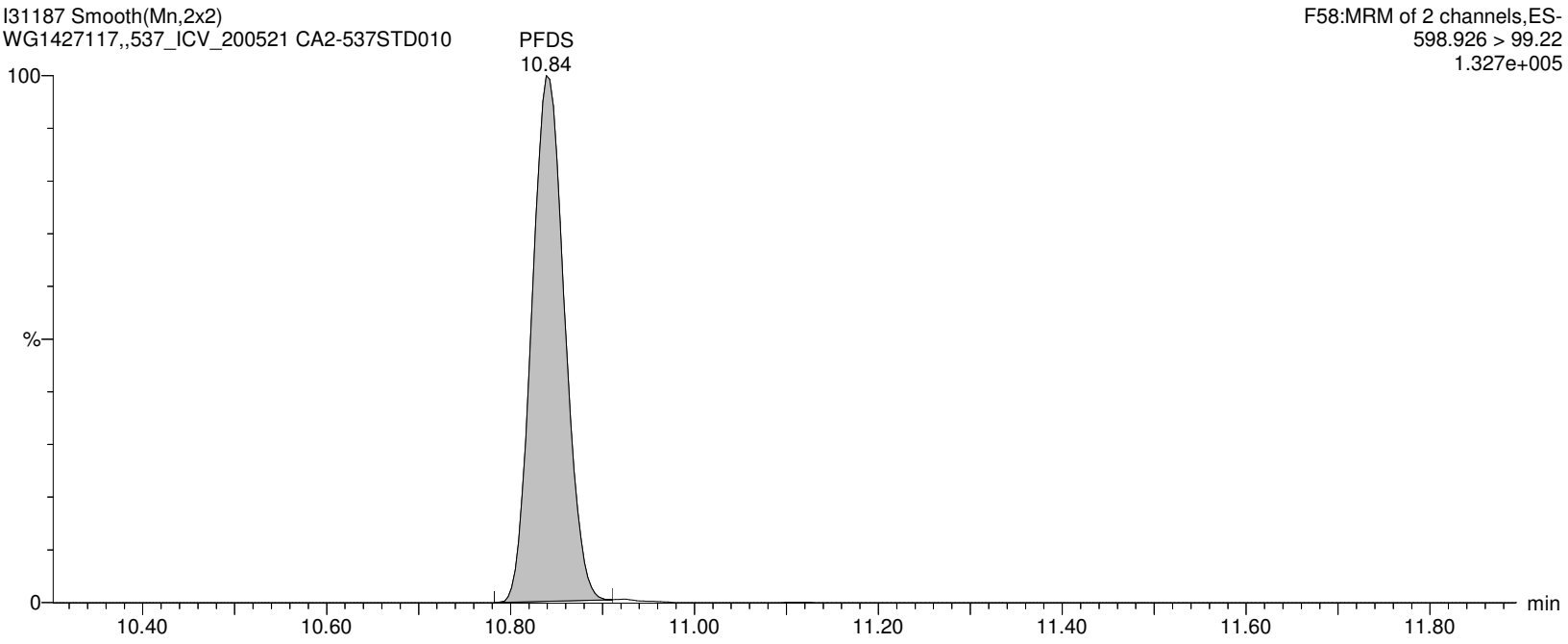

all concentration units in (ng/mL)

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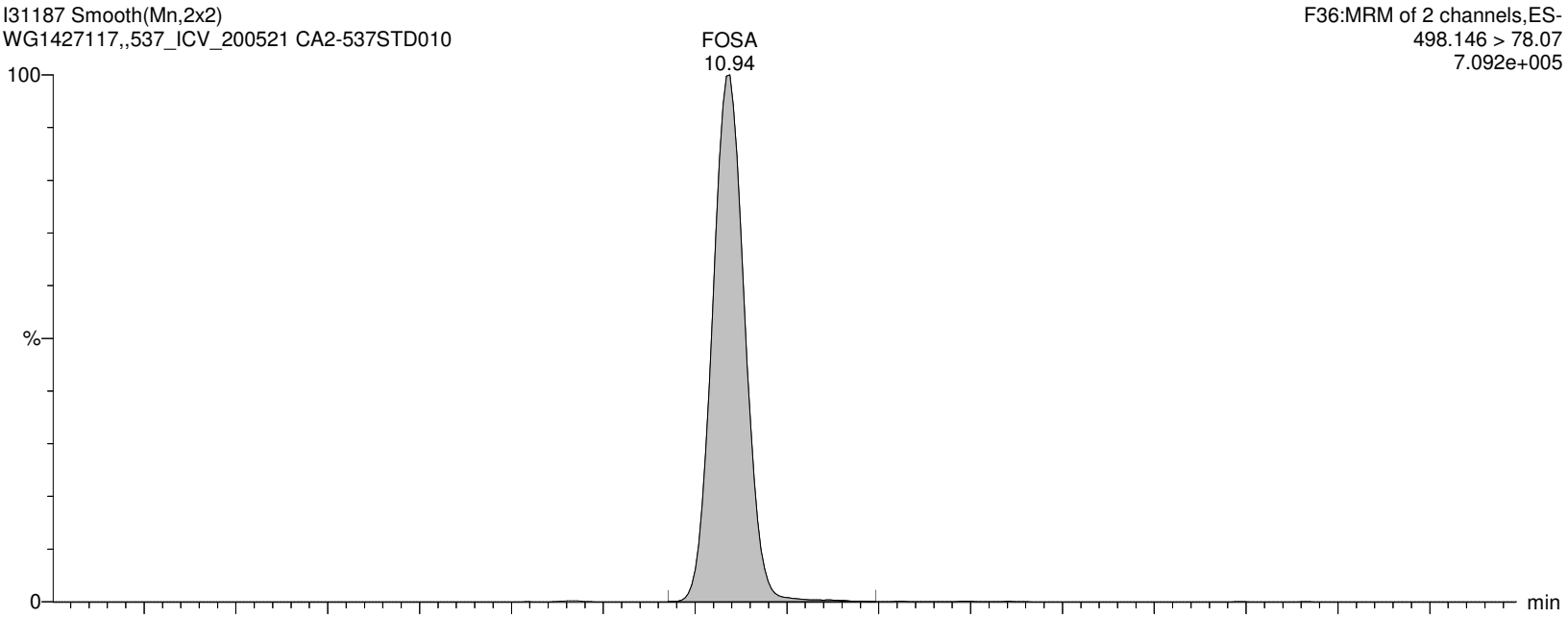

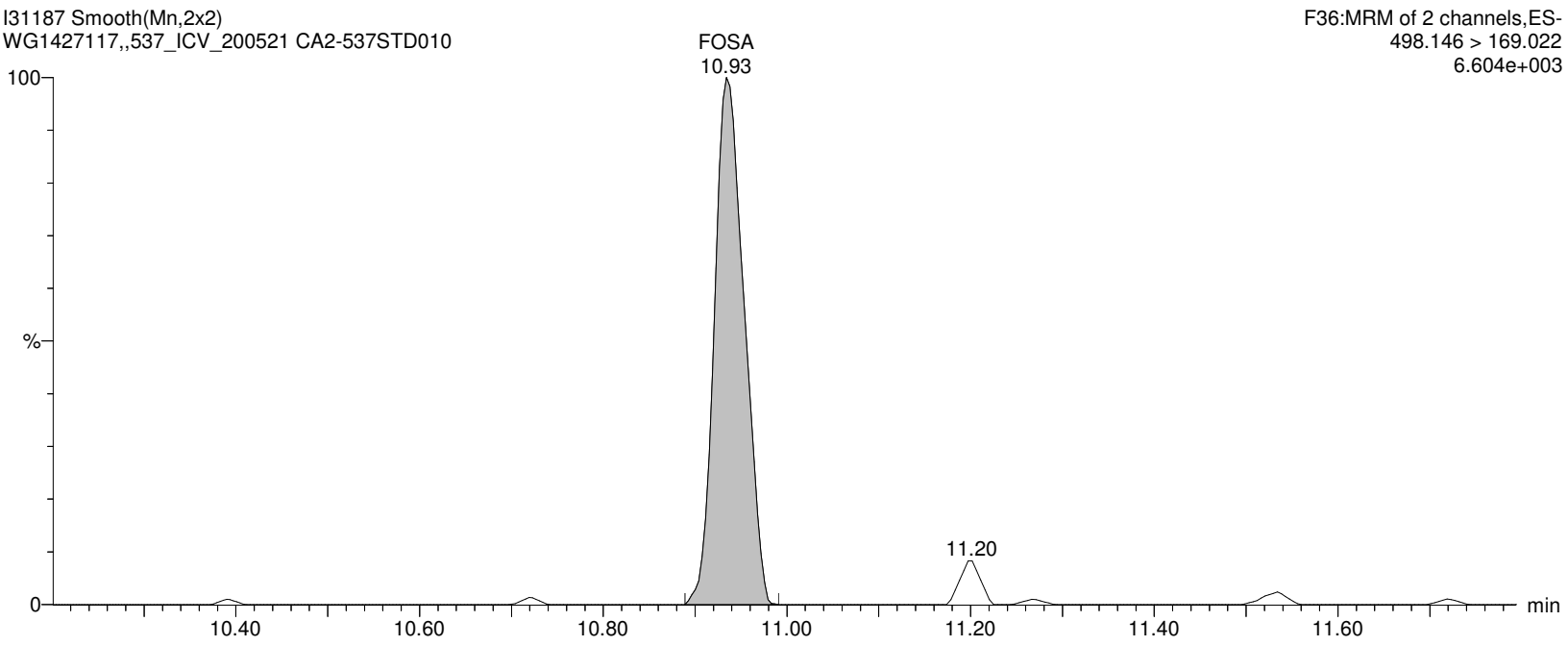

all concentration units in (ng/mL)

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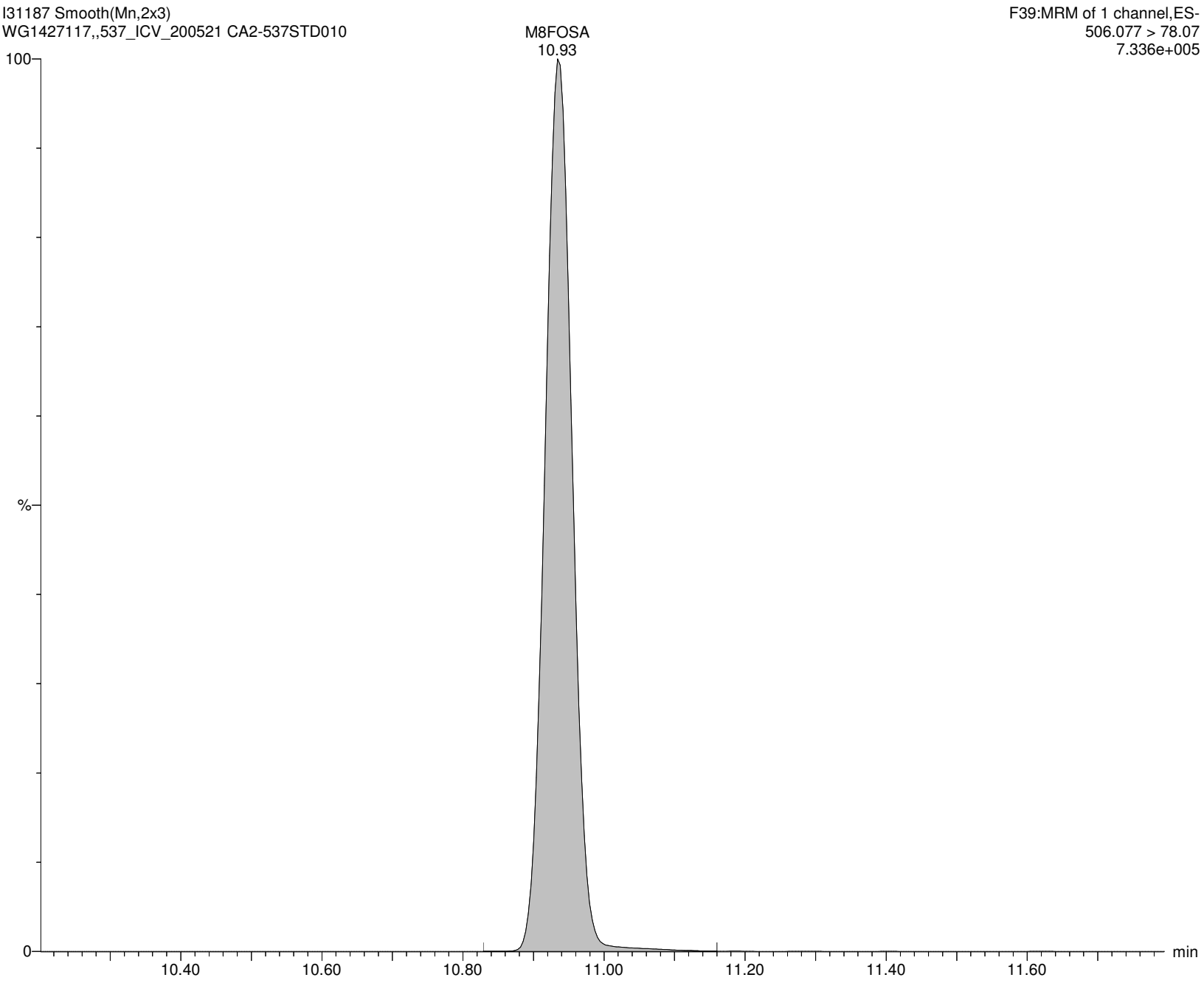

all concentration units in (ng/mL)

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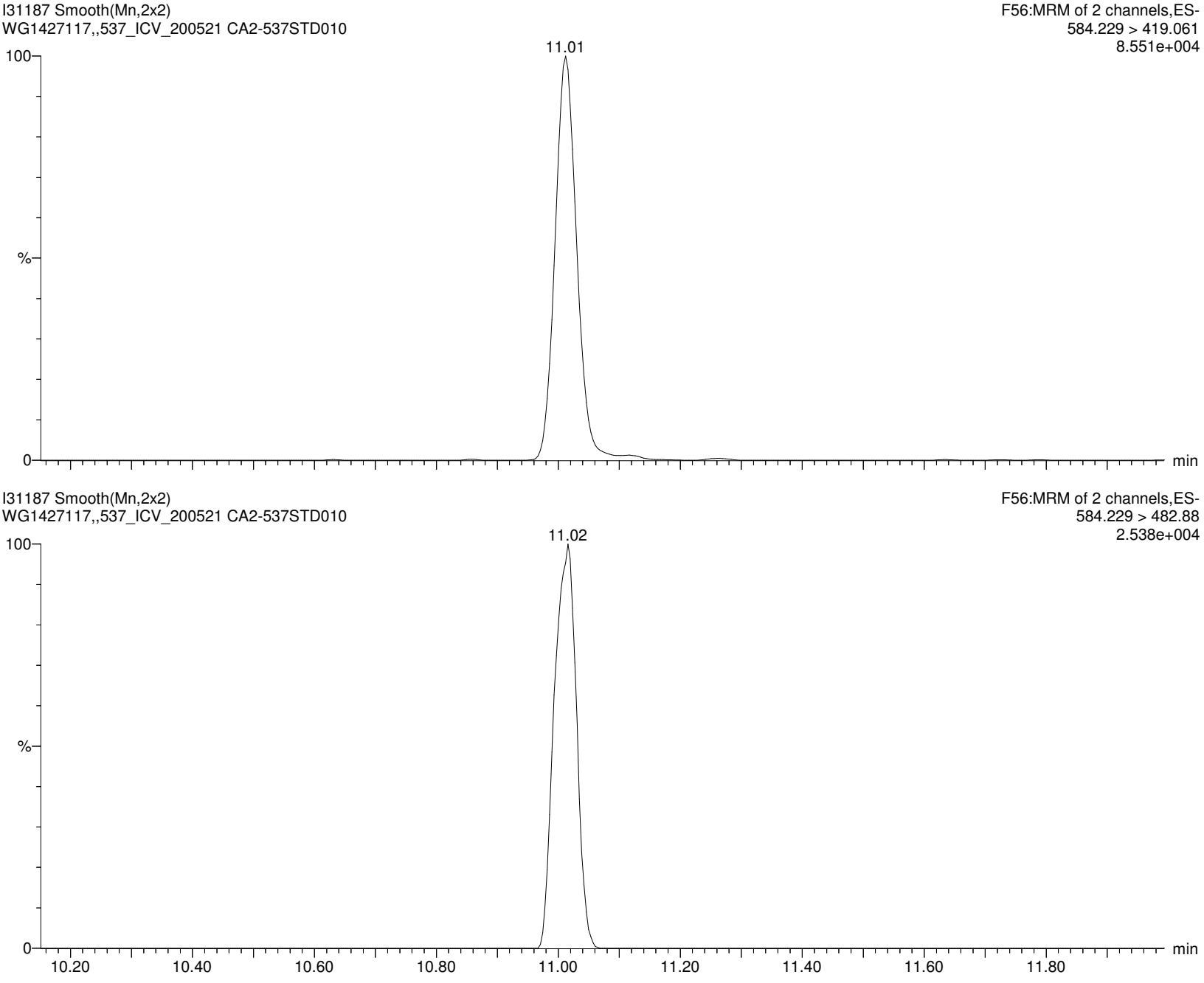

all concentration units in (ng/mL)

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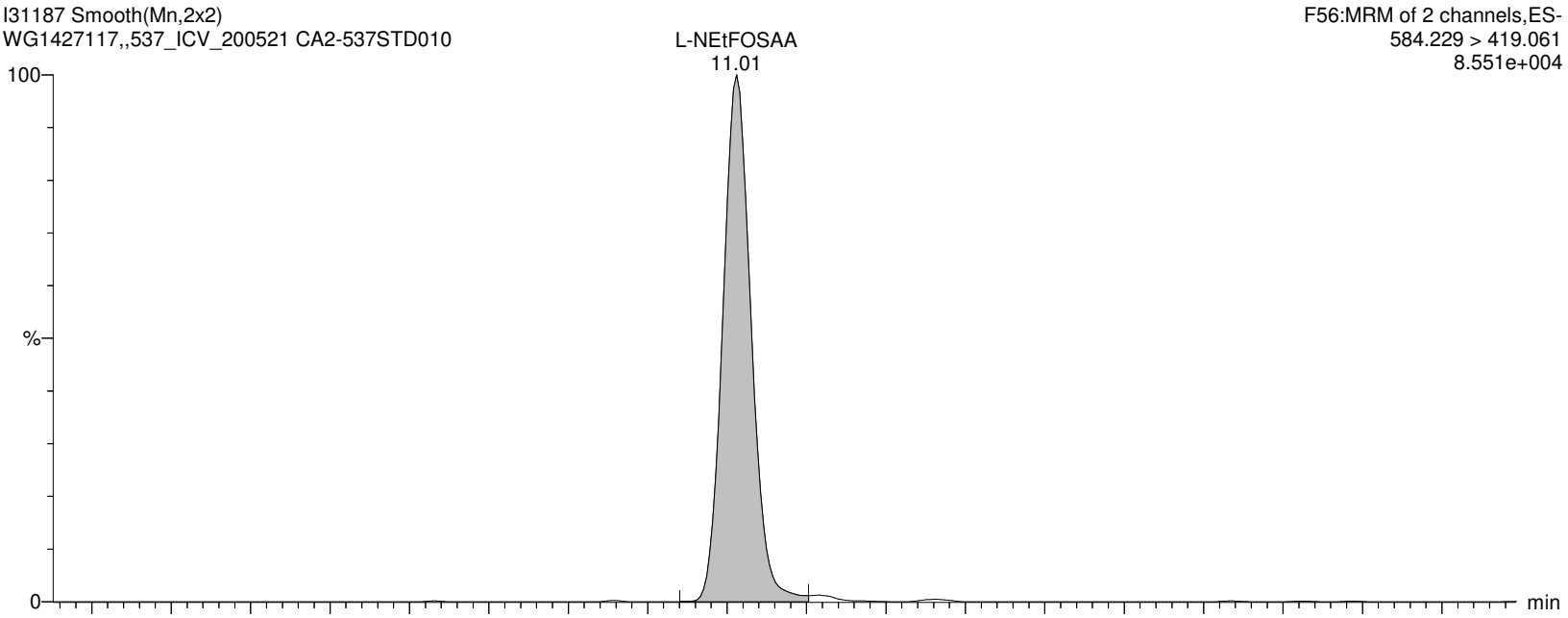

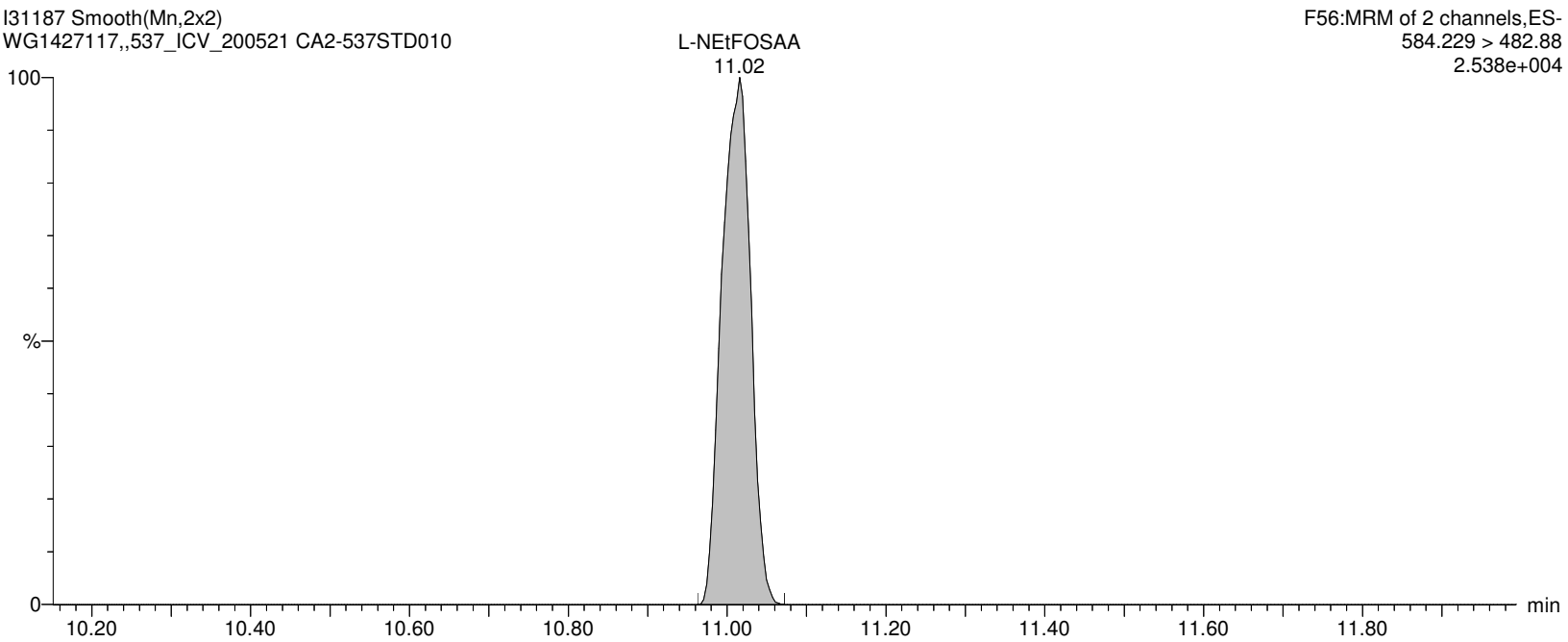

all concentration units in (ng/mL)

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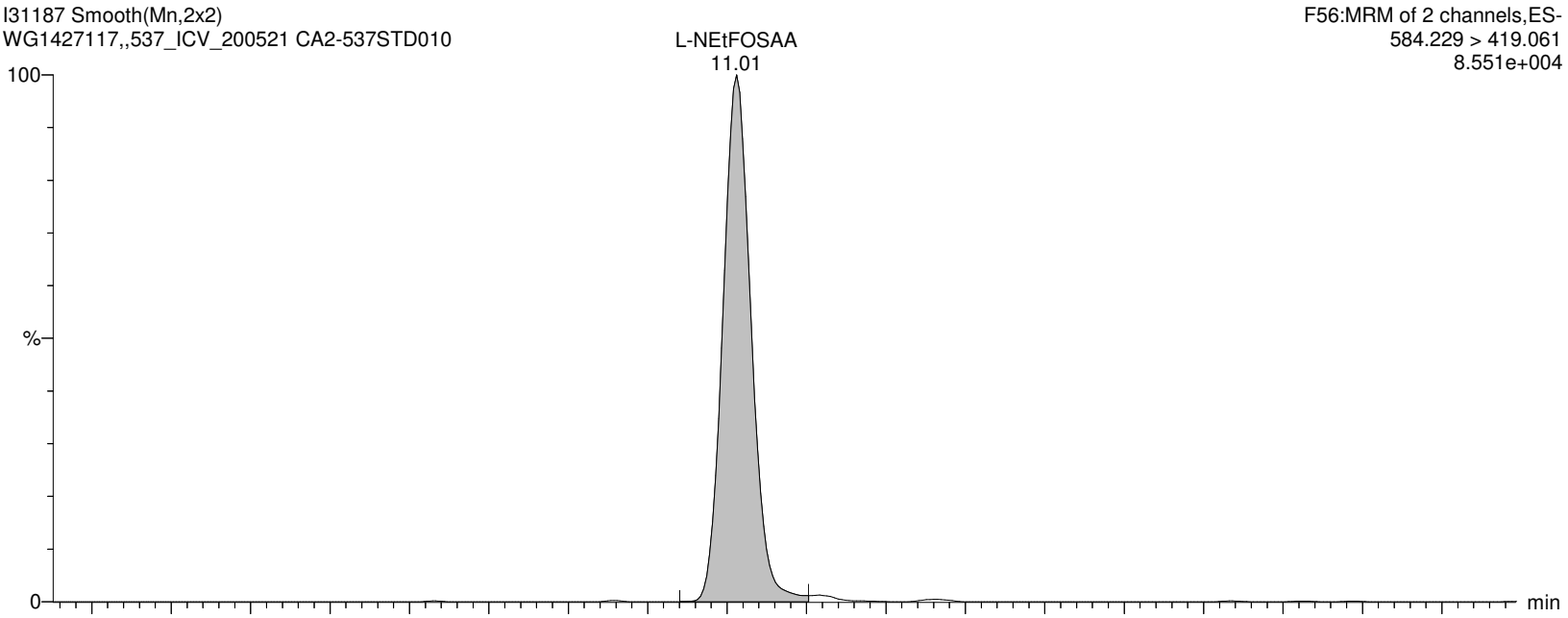

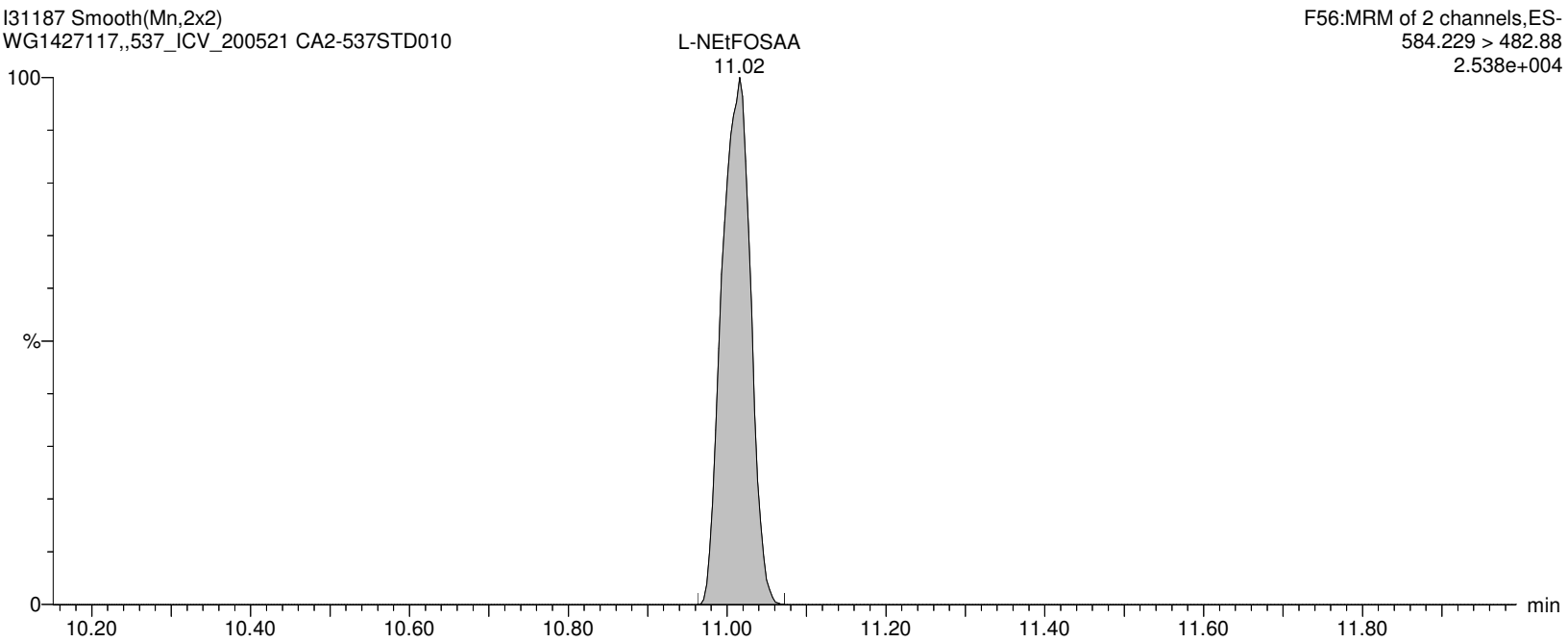

all concentration units in (ng/mL)

Alpha Analytical Inc.
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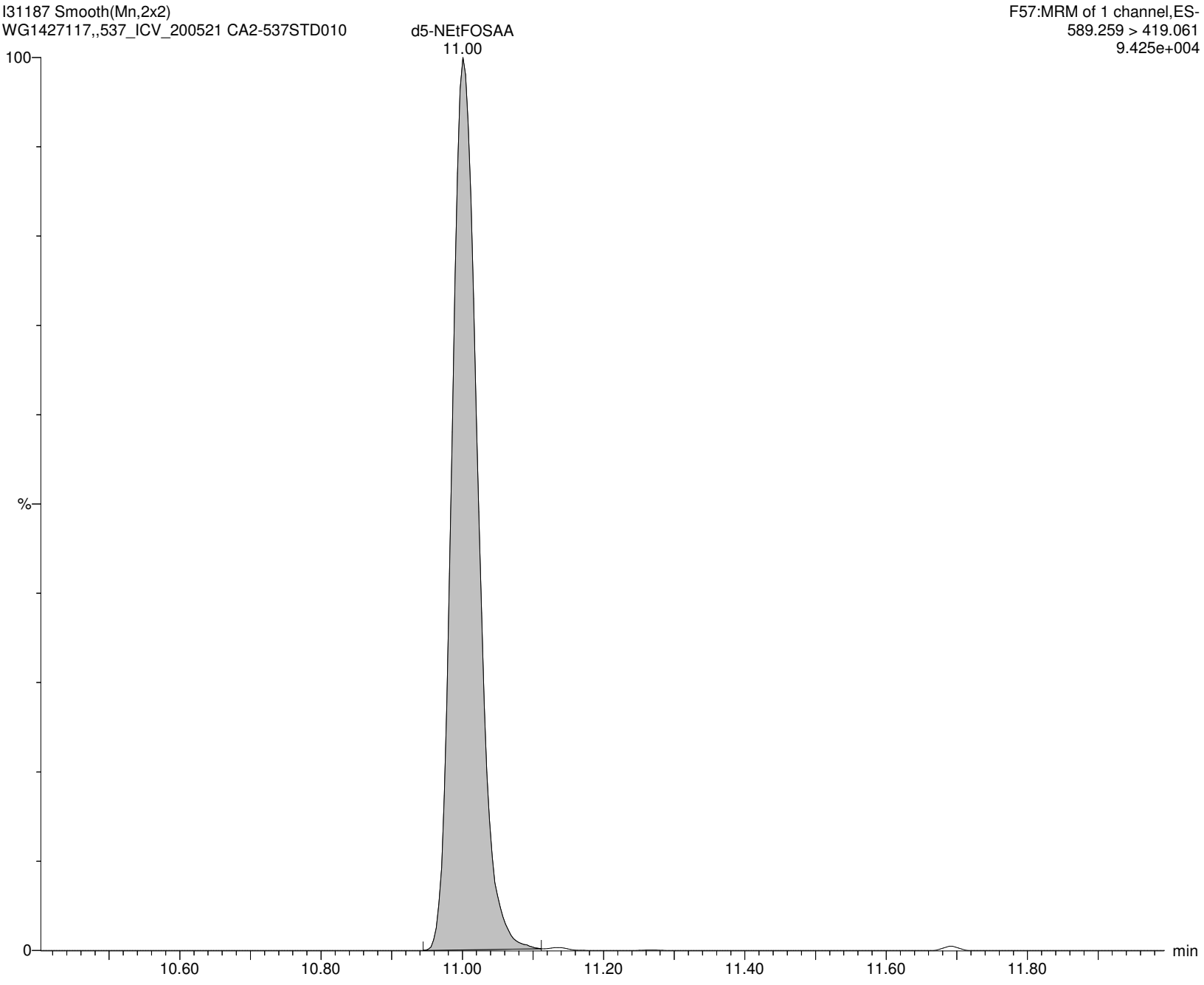

all concentration units in (ng/mL)

Alpha Analytical Inc.
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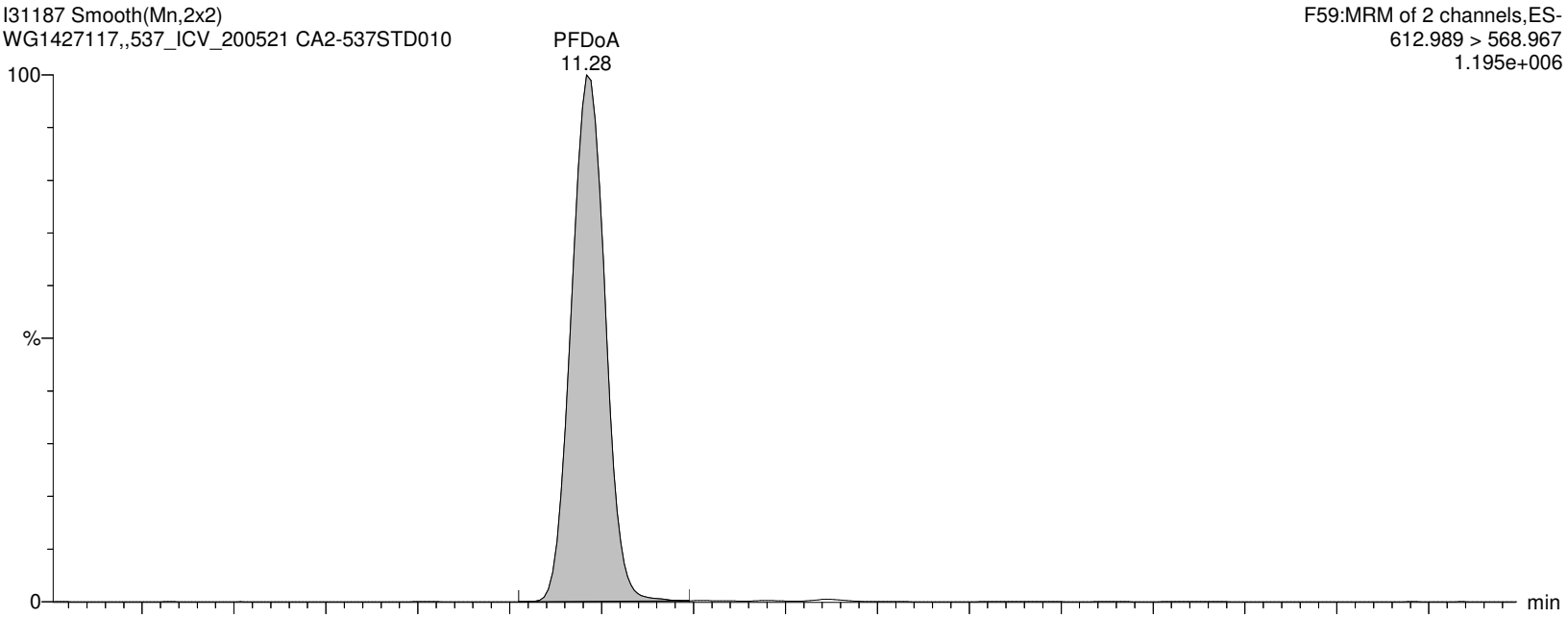

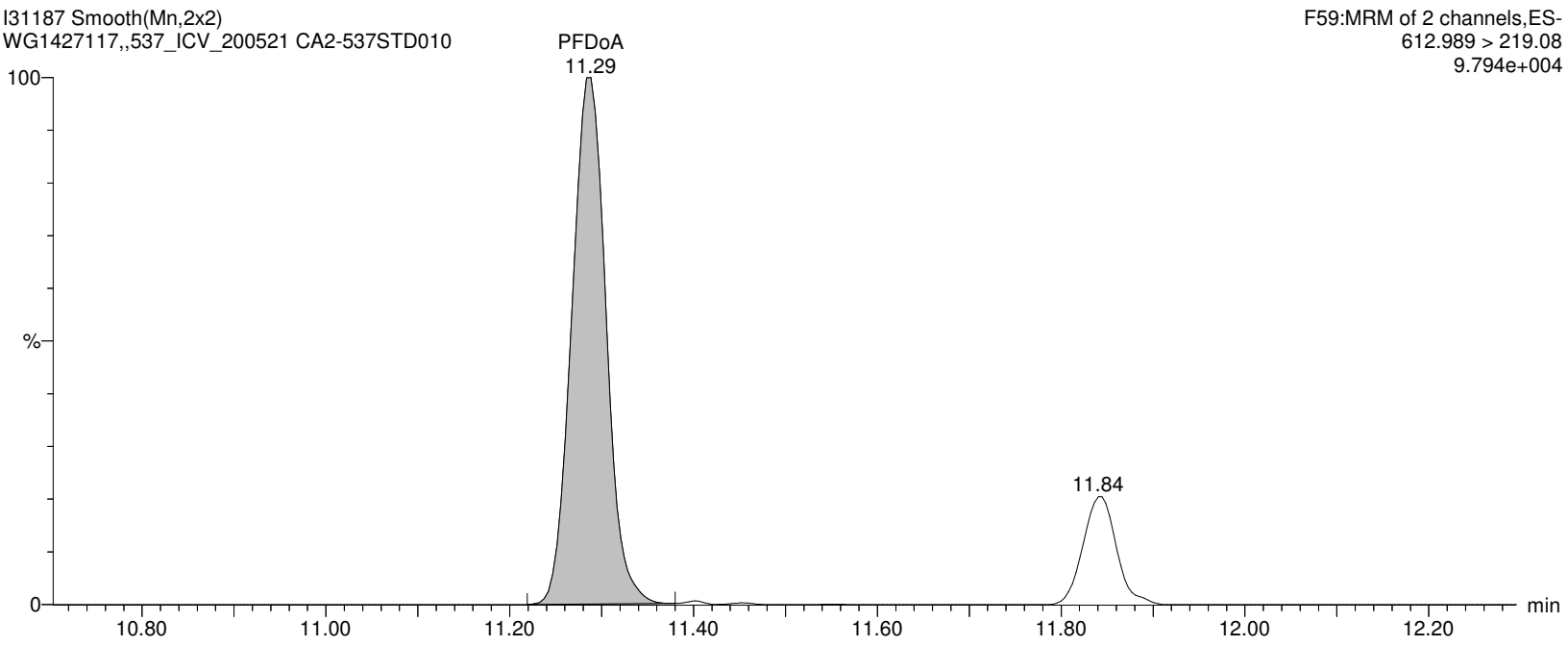

all concentration units in (ng/mL)

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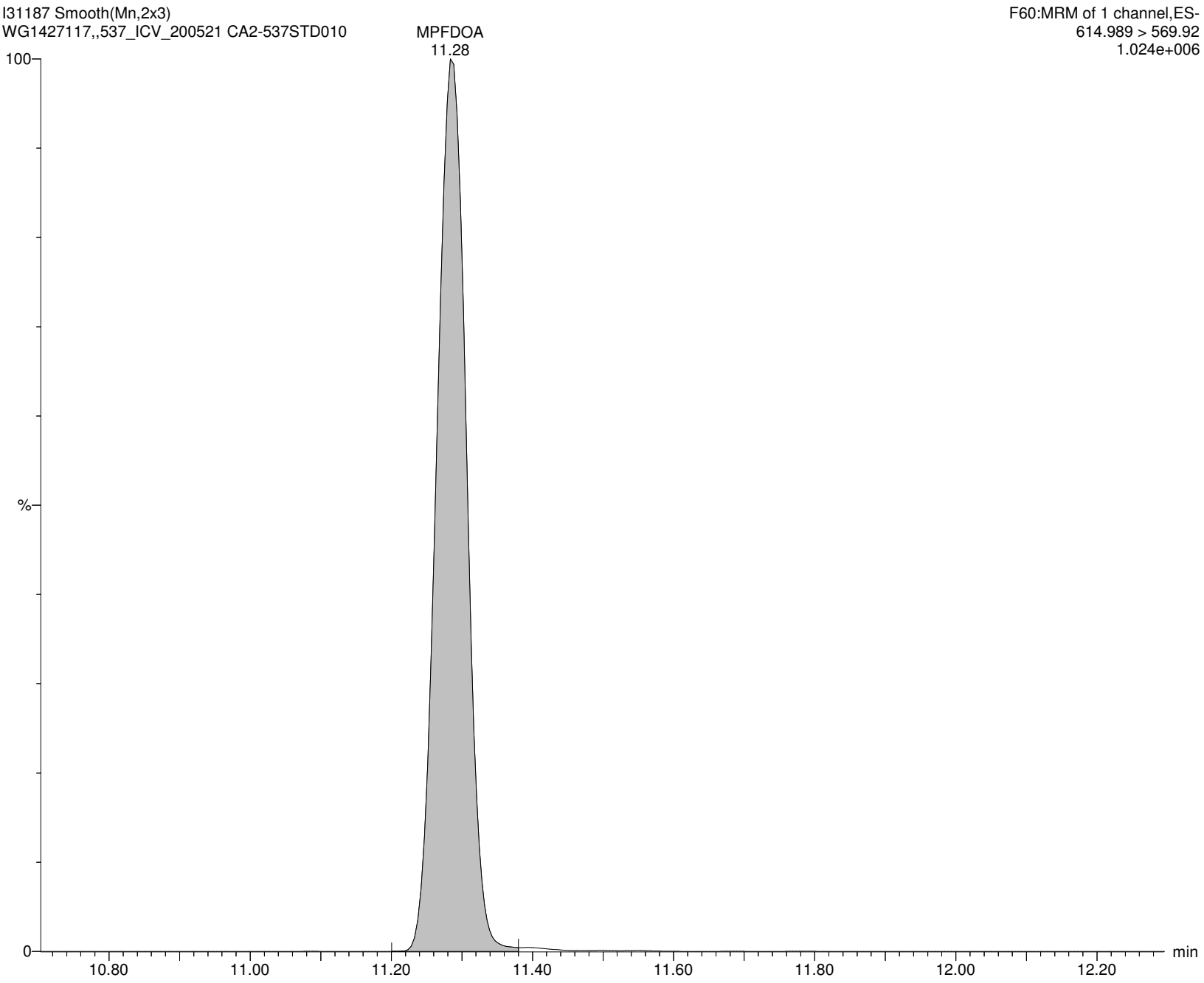

all concentration units in (ng/mL)

Alpha Analytical Inc.
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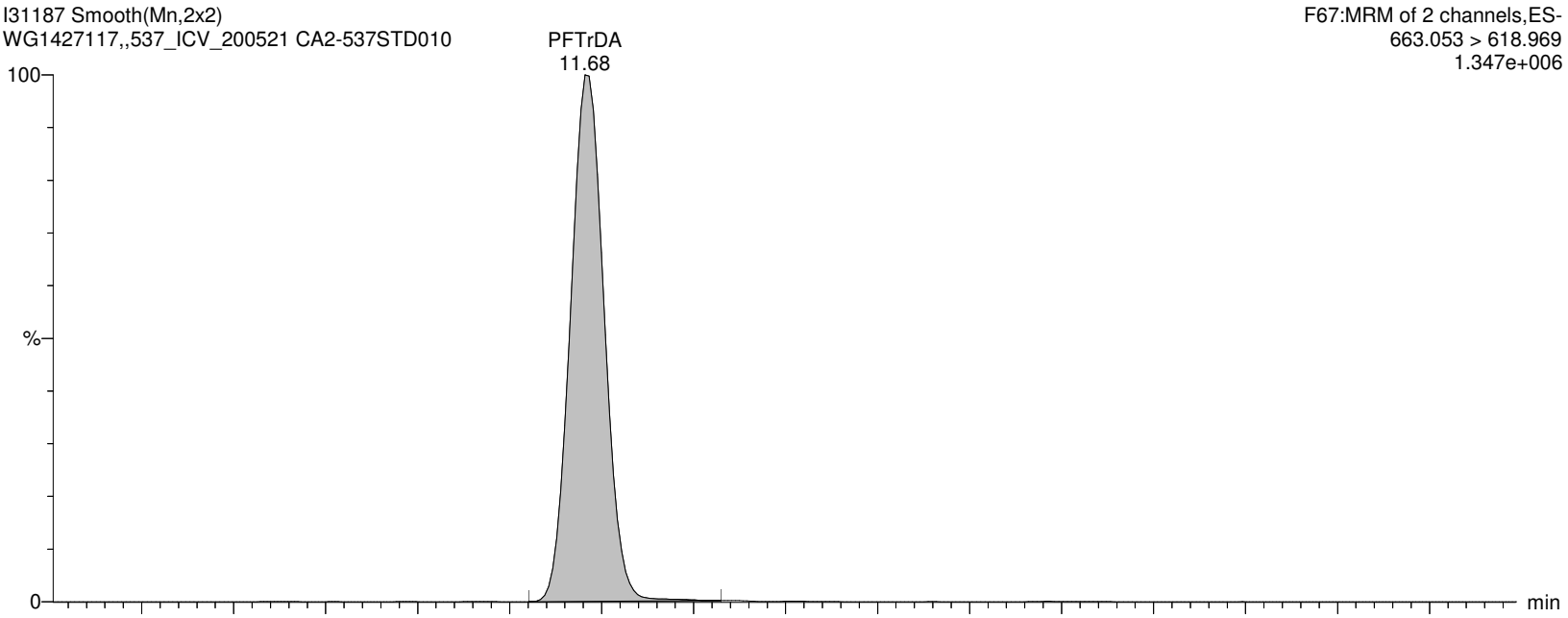

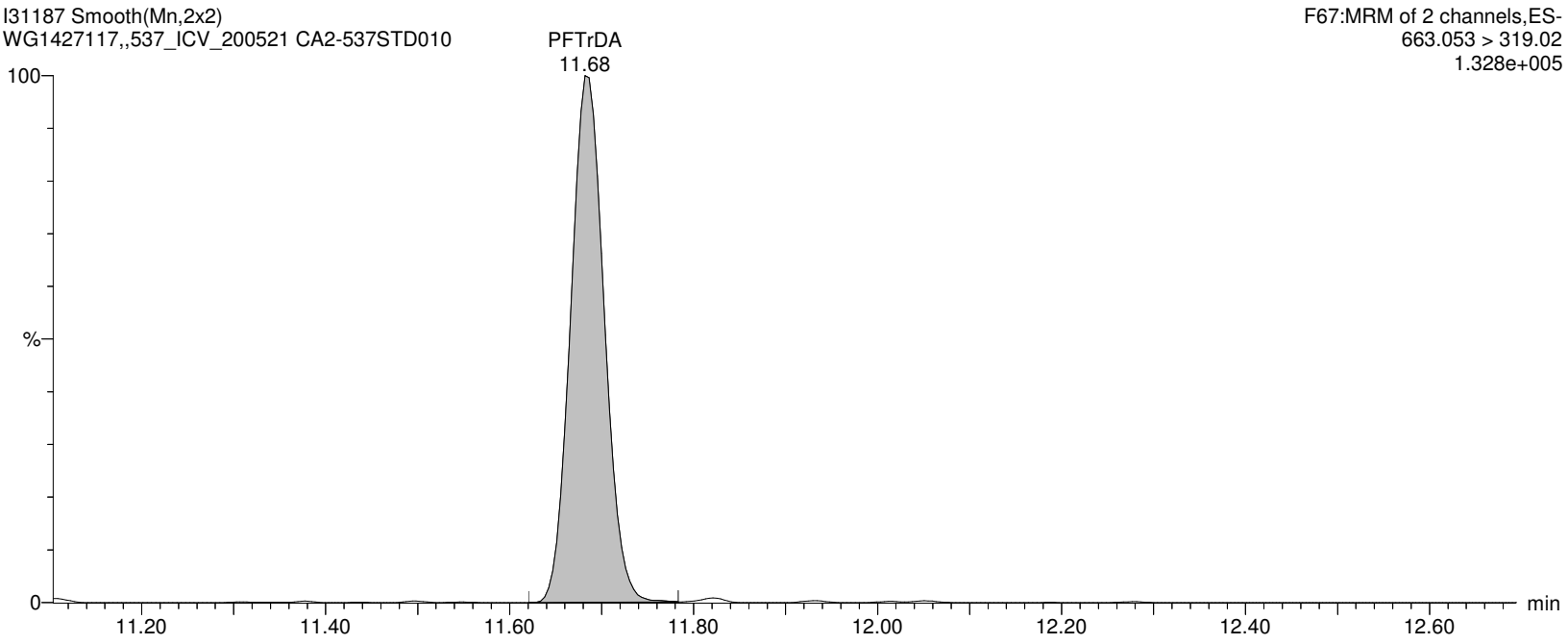

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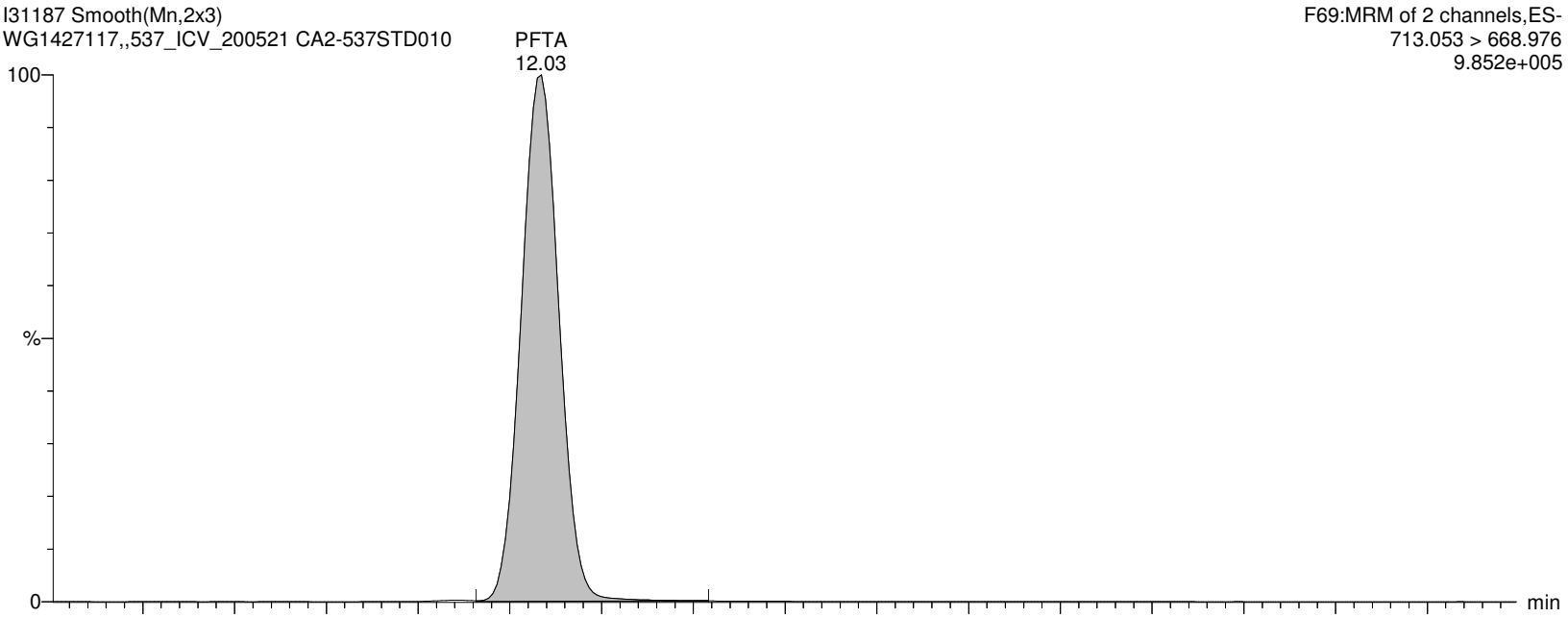

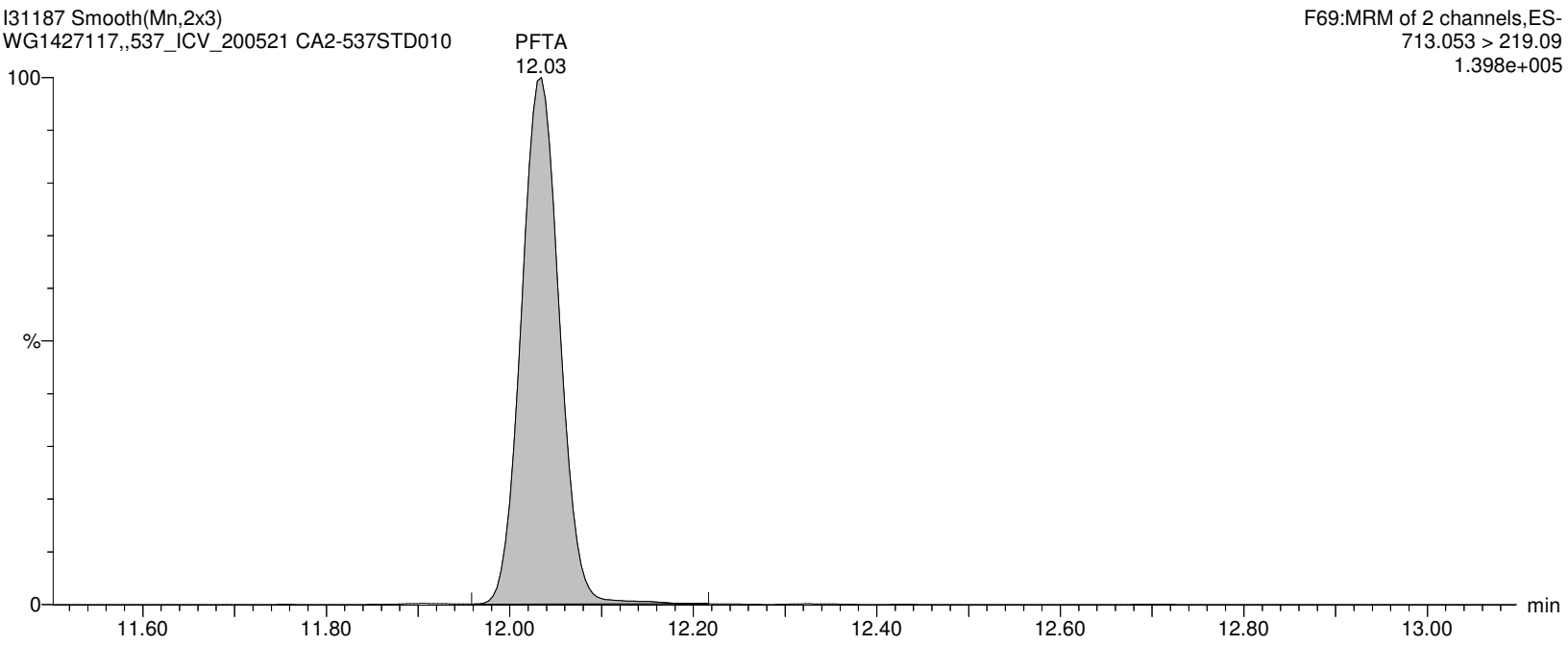

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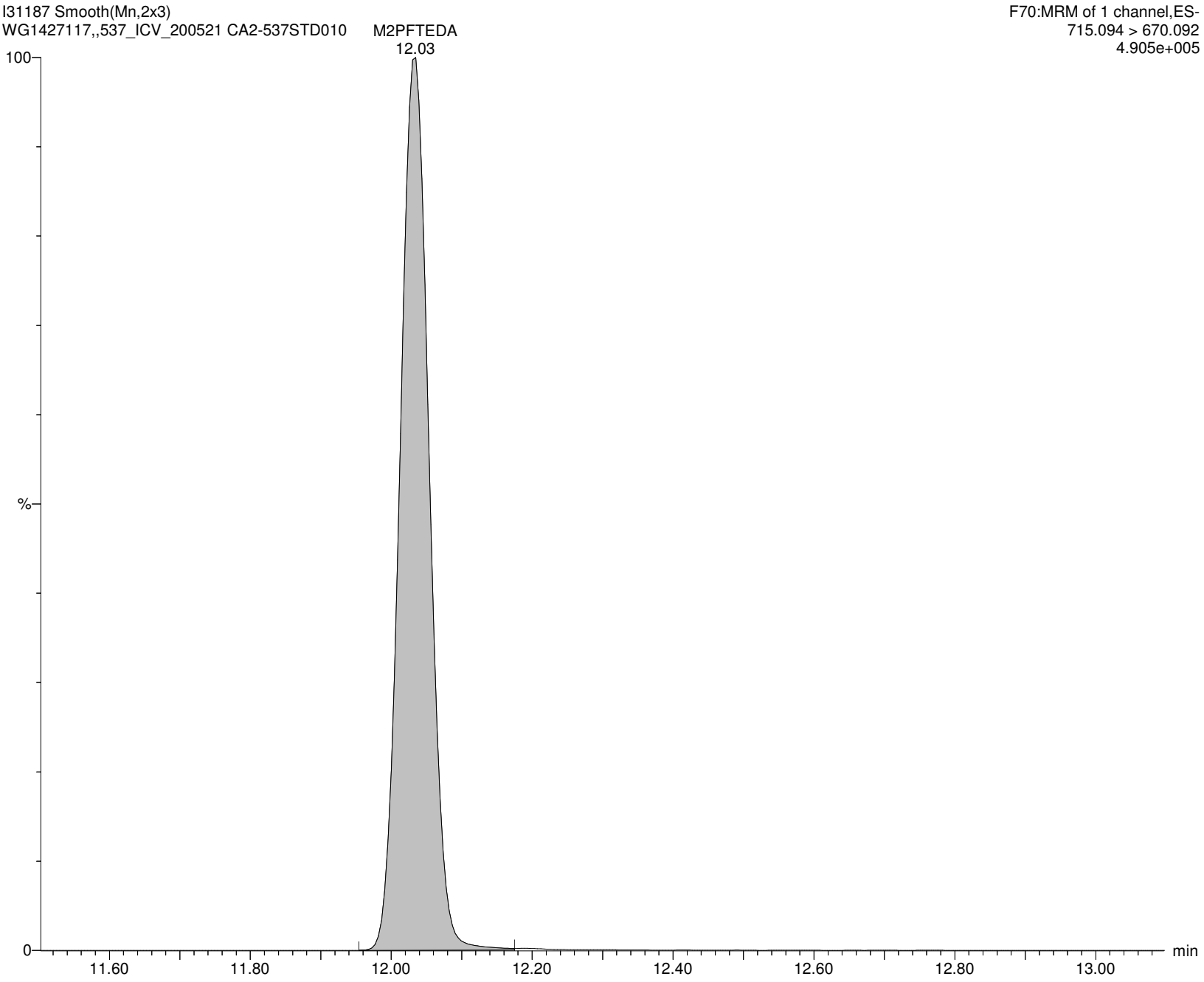

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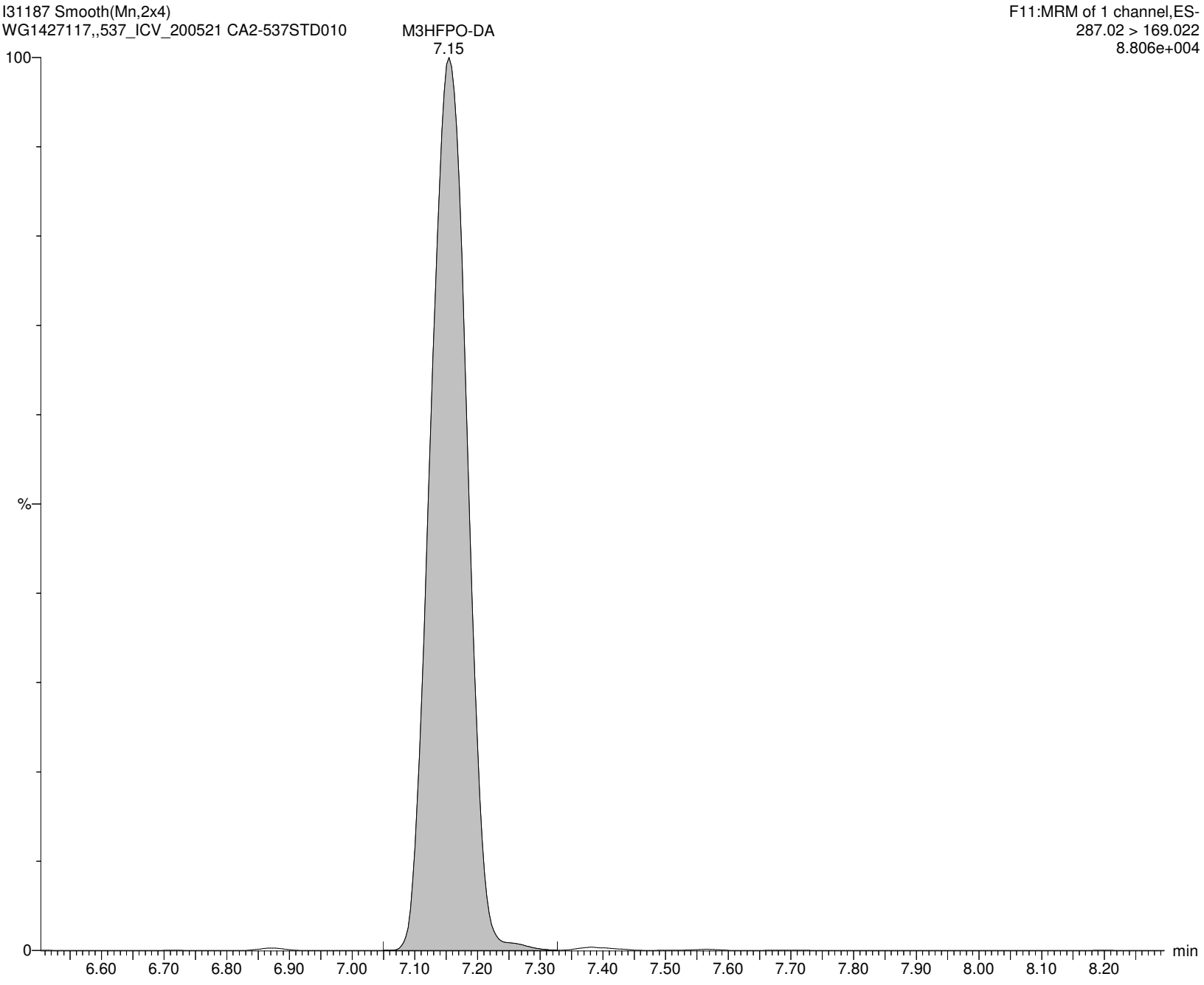

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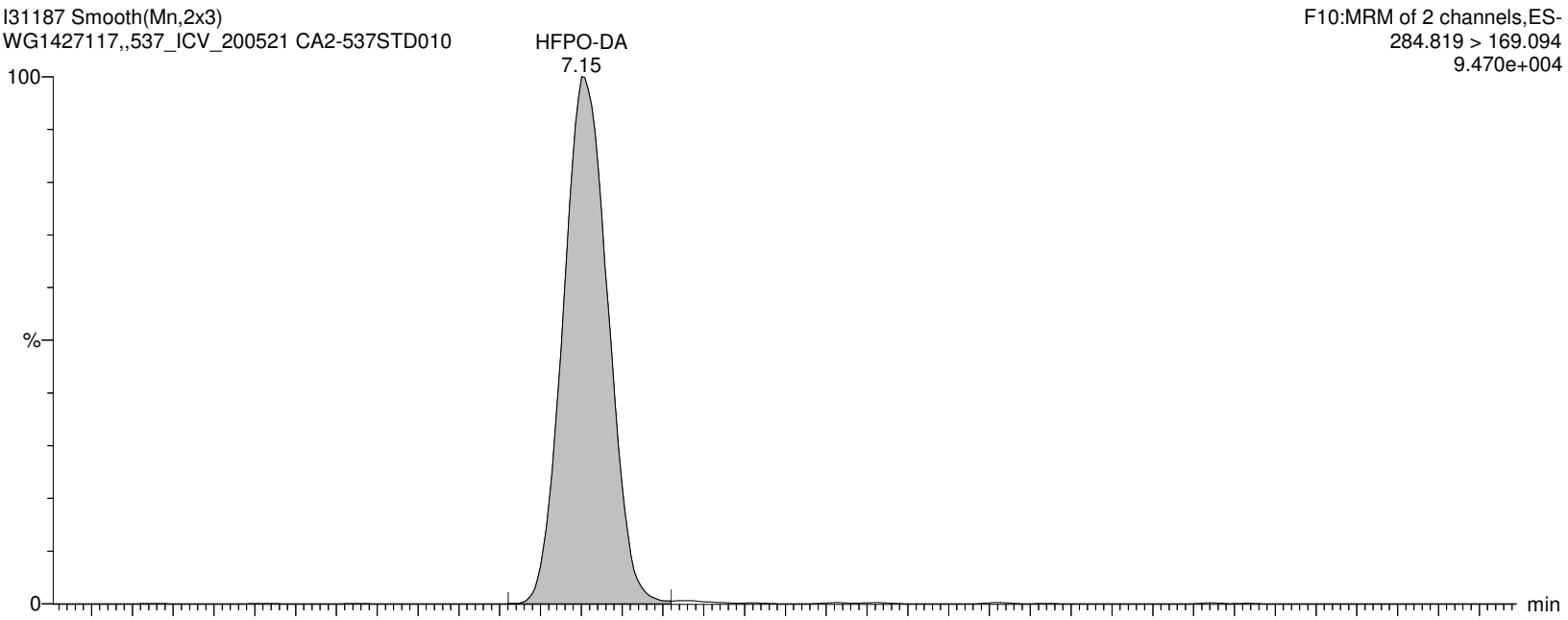

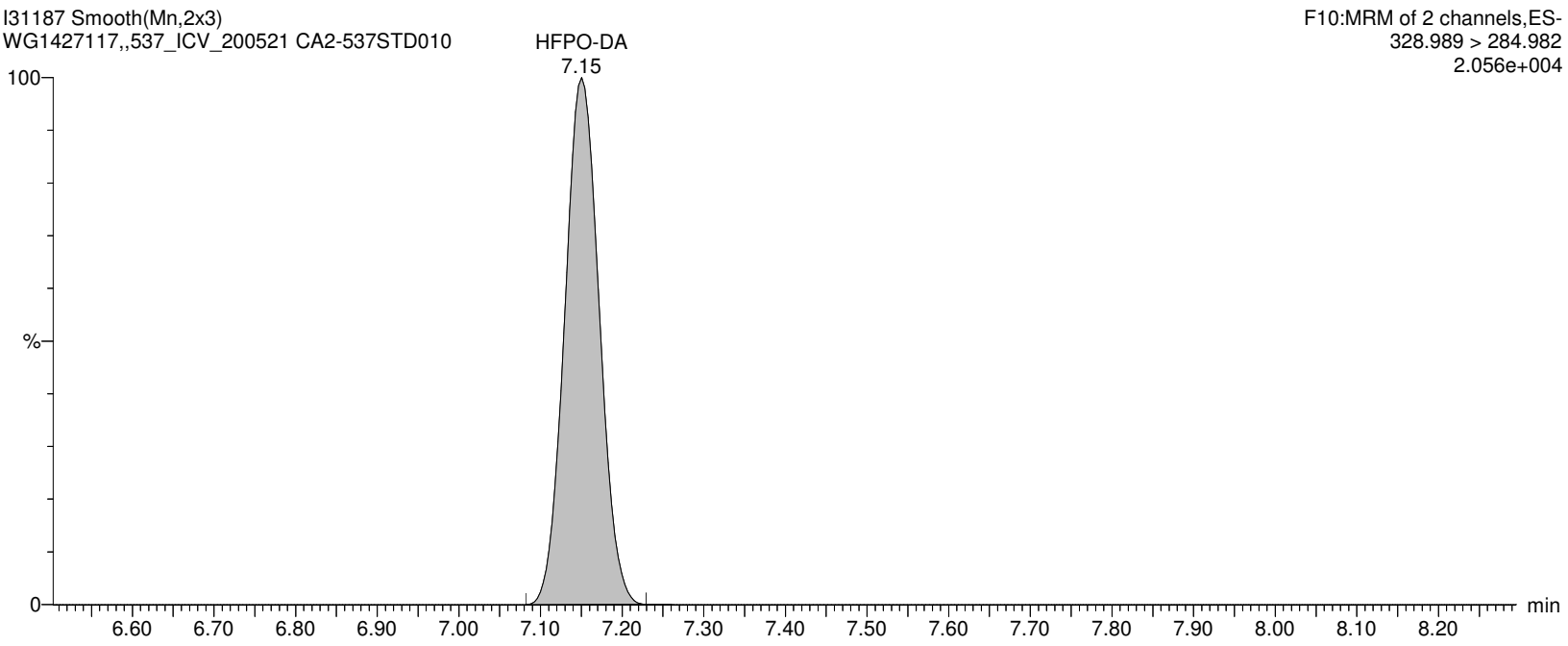

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICV_2.qld
Last Altered: Wednesday, October 28, 2020 10:26:15 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:26:59 Eastern Daylight Time

Name: I31187
ID: CA2-537STD010
Date: 27-Oct-2020
Time: 20:42:42
Description: WG1427117,,537_ICV_200521
User: LCMS02:JW
Vial: 1:B,1
Instrument: XEVO-TQSmicro#QEB0050
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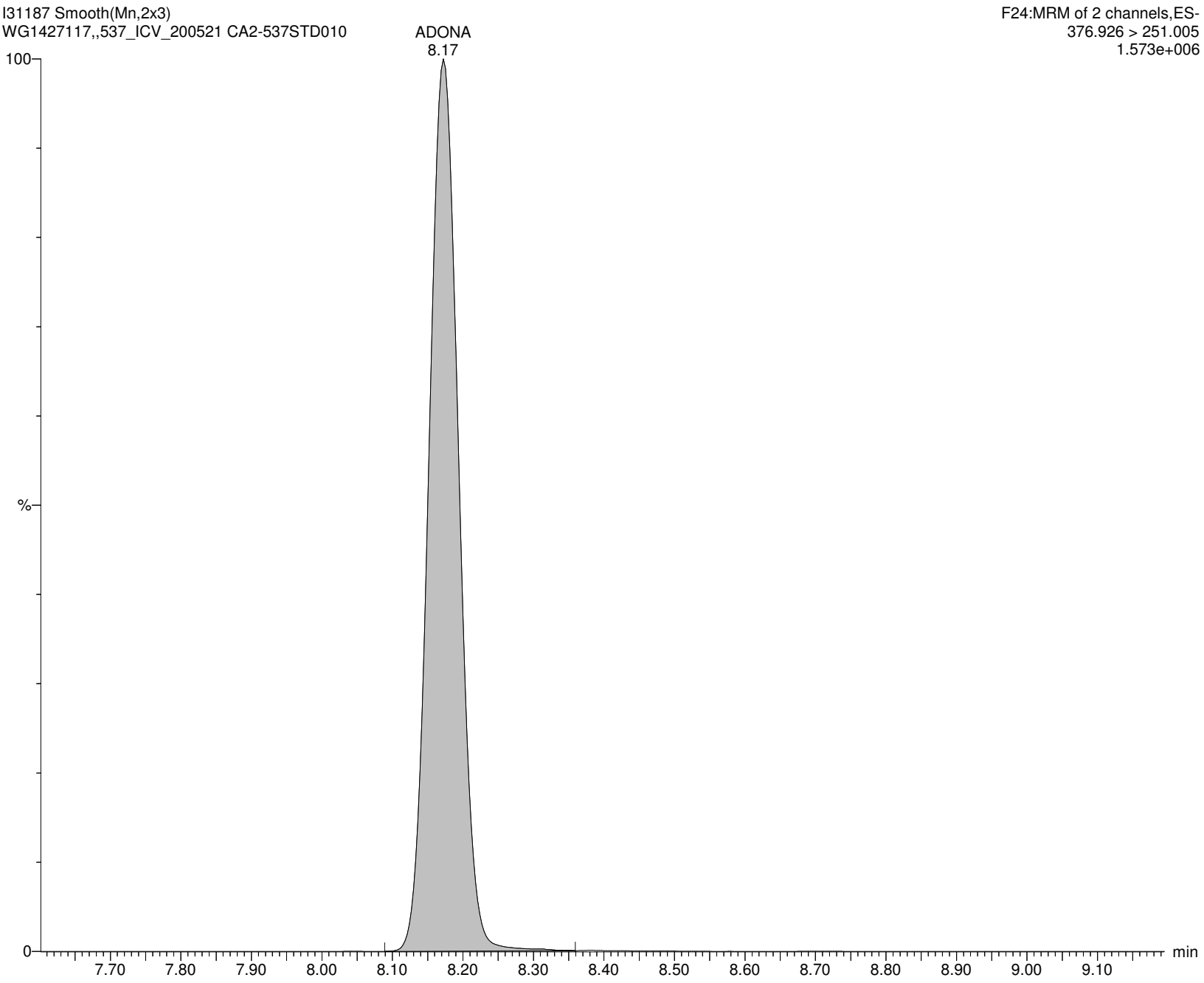

all concentration units in (ng/mL)

Alpha Analytical Inc.
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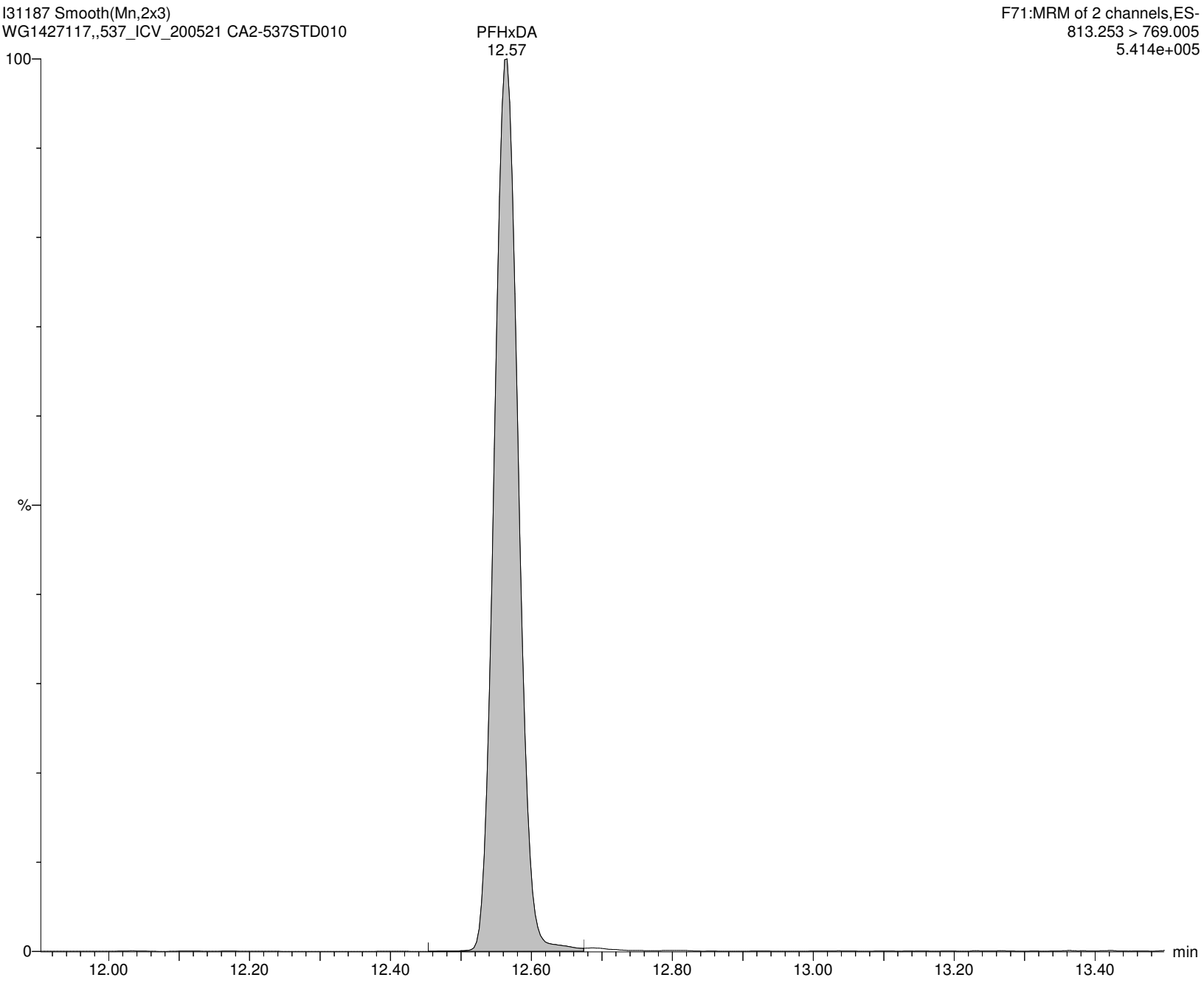

all concentration units in (ng/mL)

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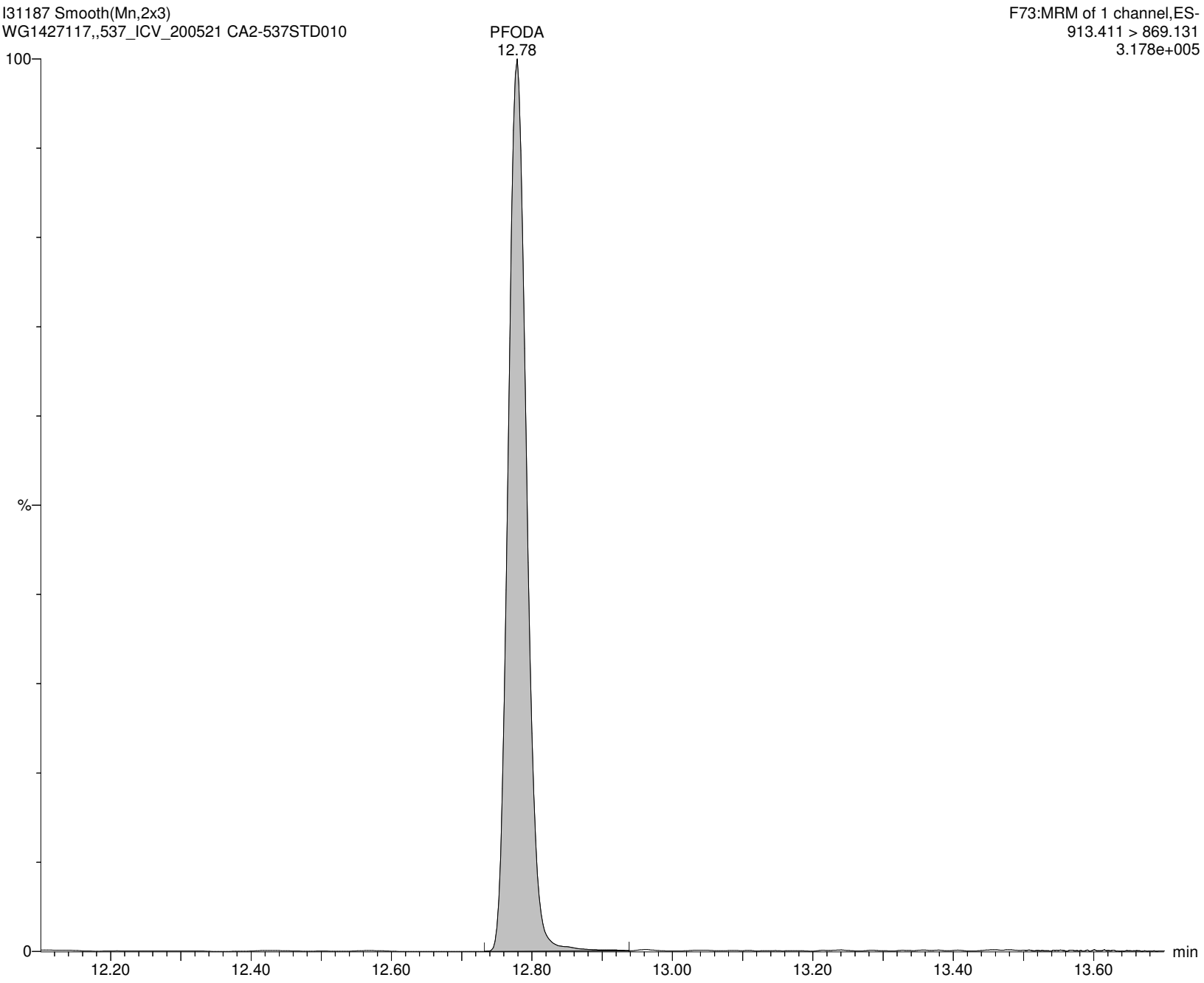

all concentration units in (ng/mL)

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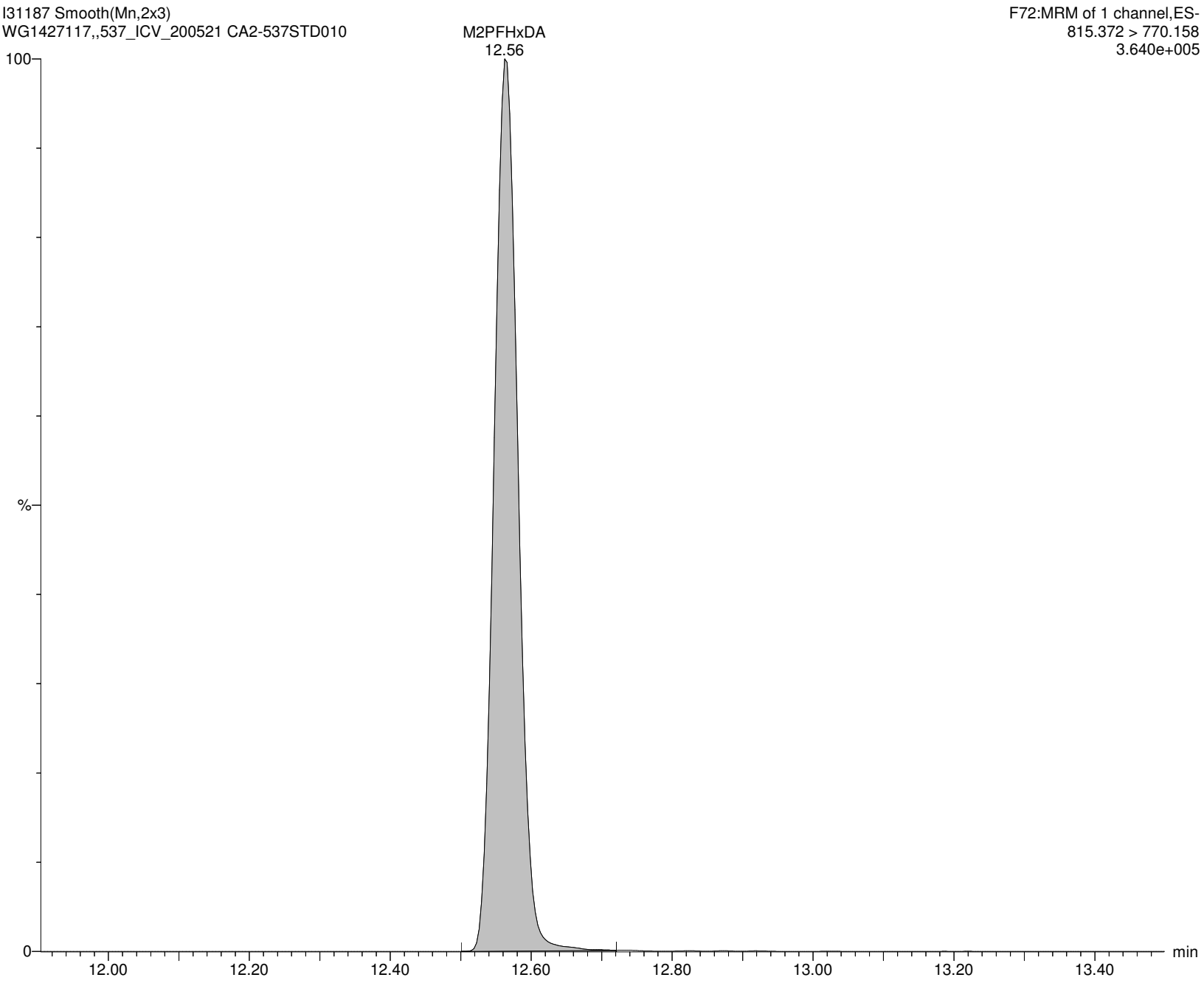

all concentration units in (ng/mL)

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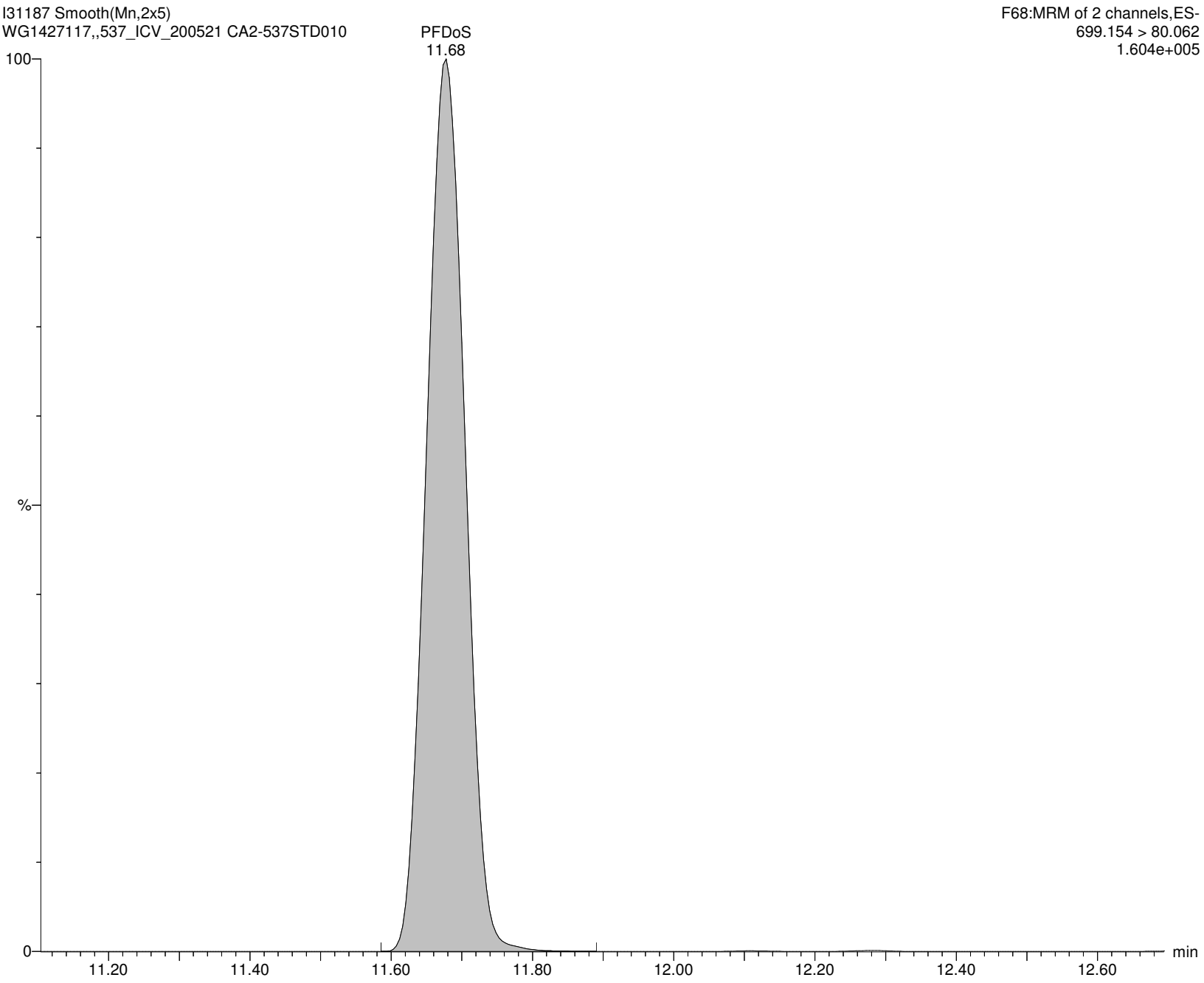

all concentration units in (ng/mL)

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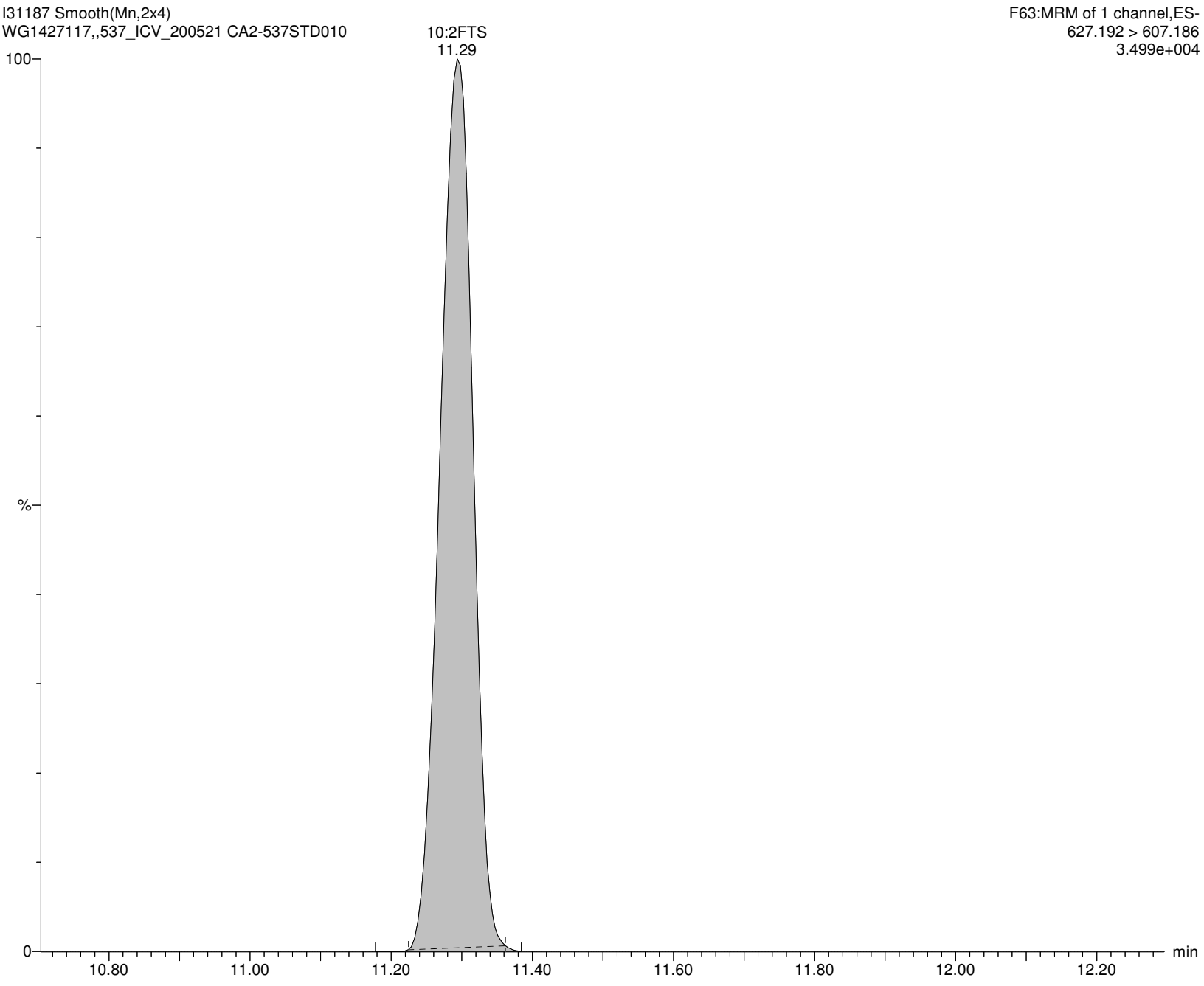

all concentration units in (ng/mL)

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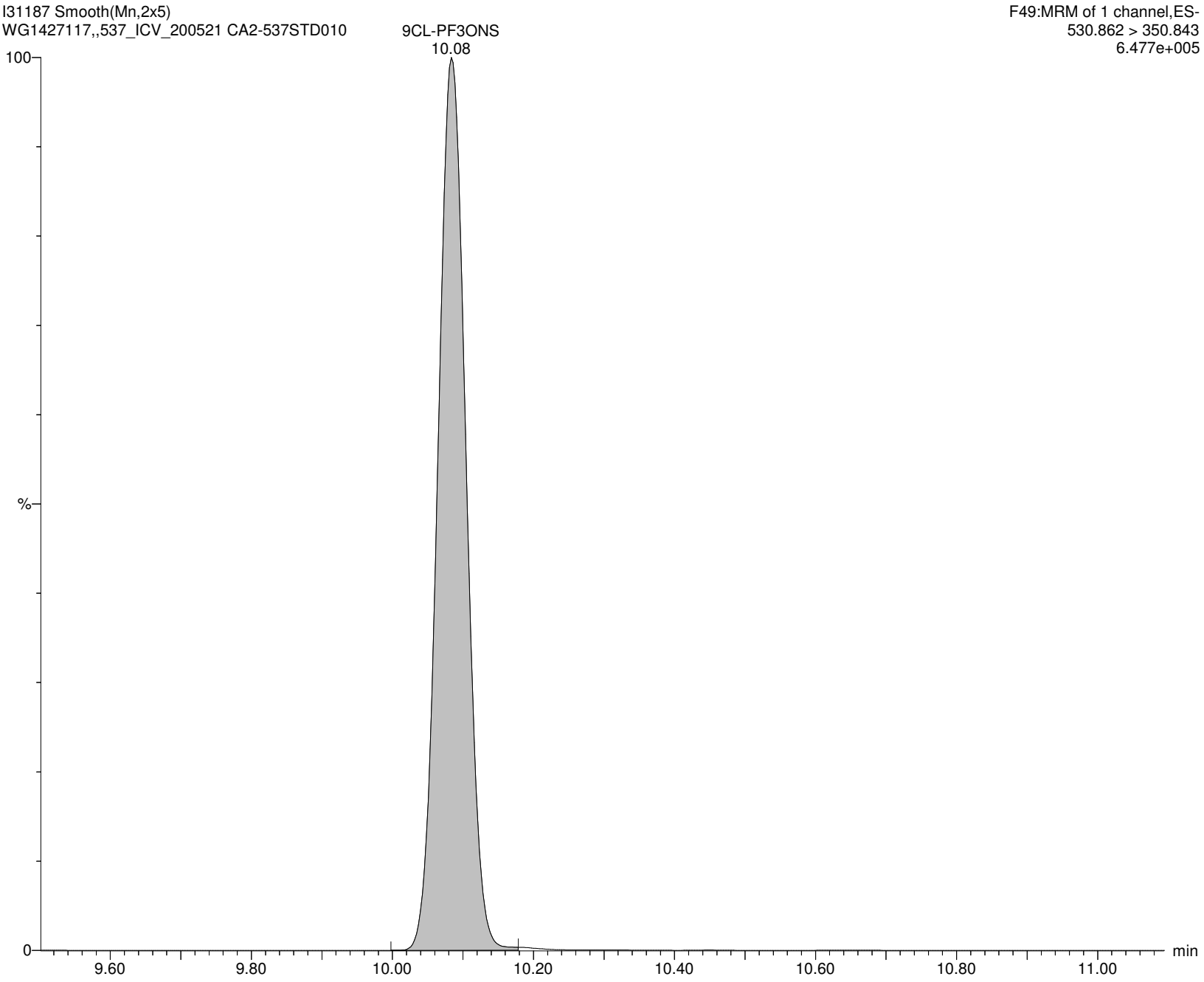
9CL-PF3ONS



all concentration units in (ng/mL)

Alpha Analytical Inc.
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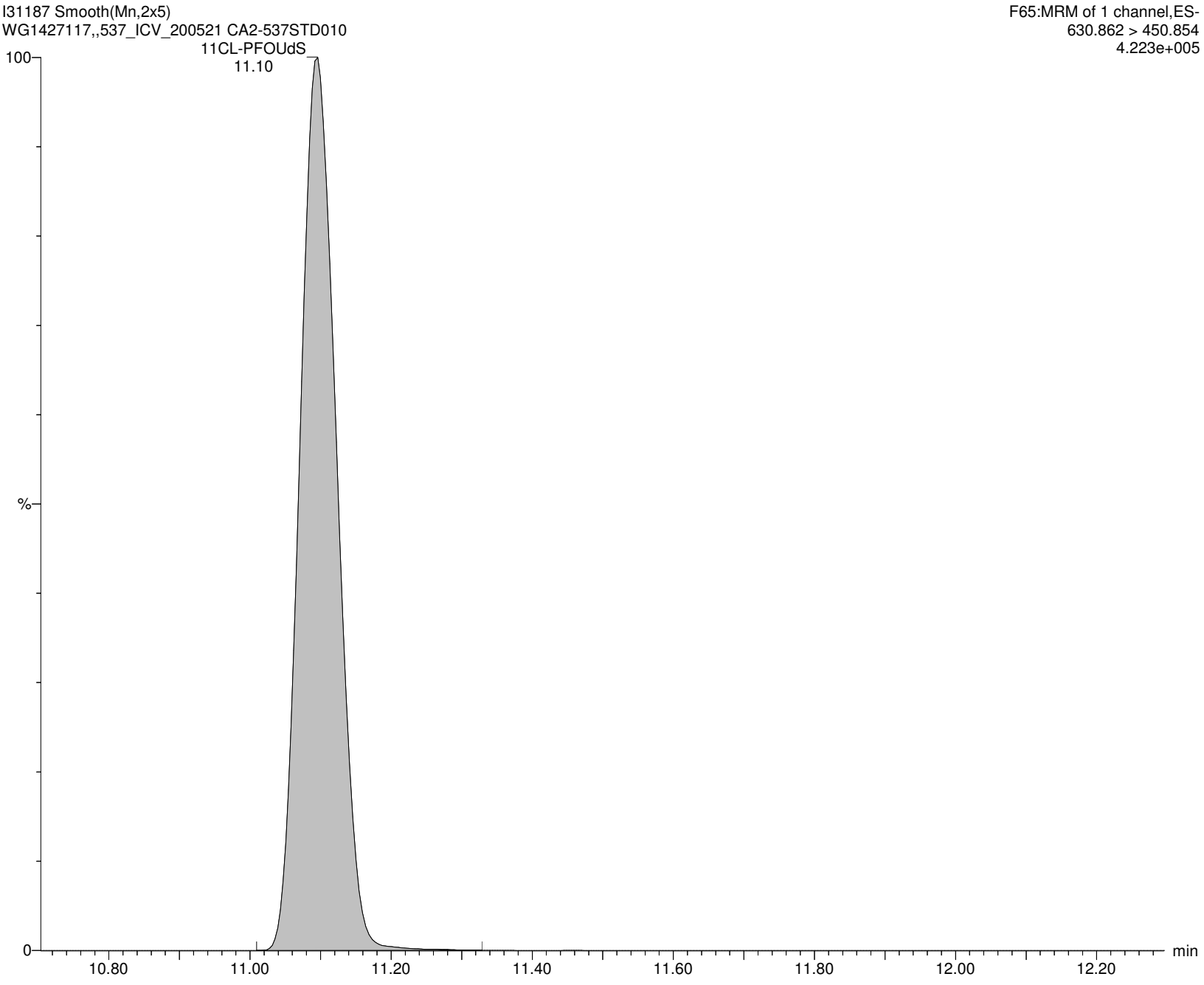
11CL-PFOUdS



all concentration units in (ng/mL)

Alpha Analytical Inc.
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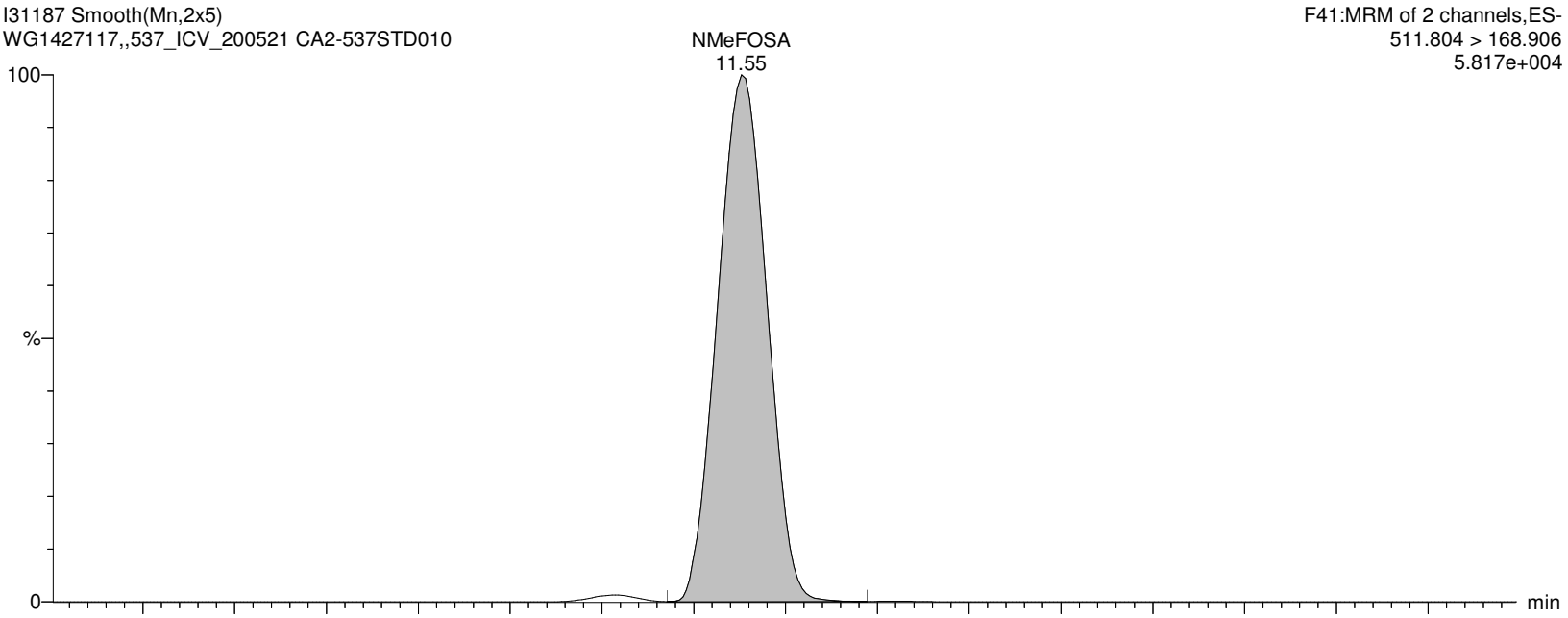

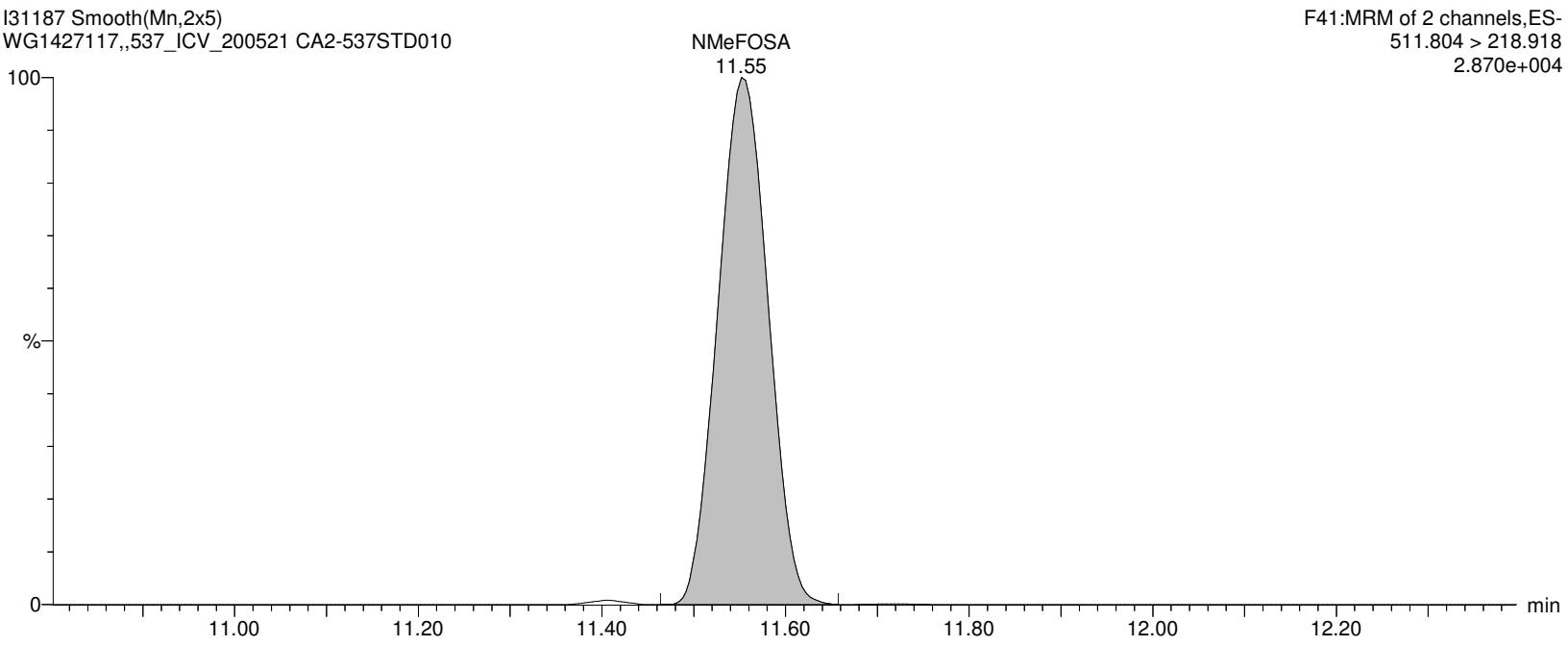

all concentration units in (ng/mL)

Alpha Analytical Inc.
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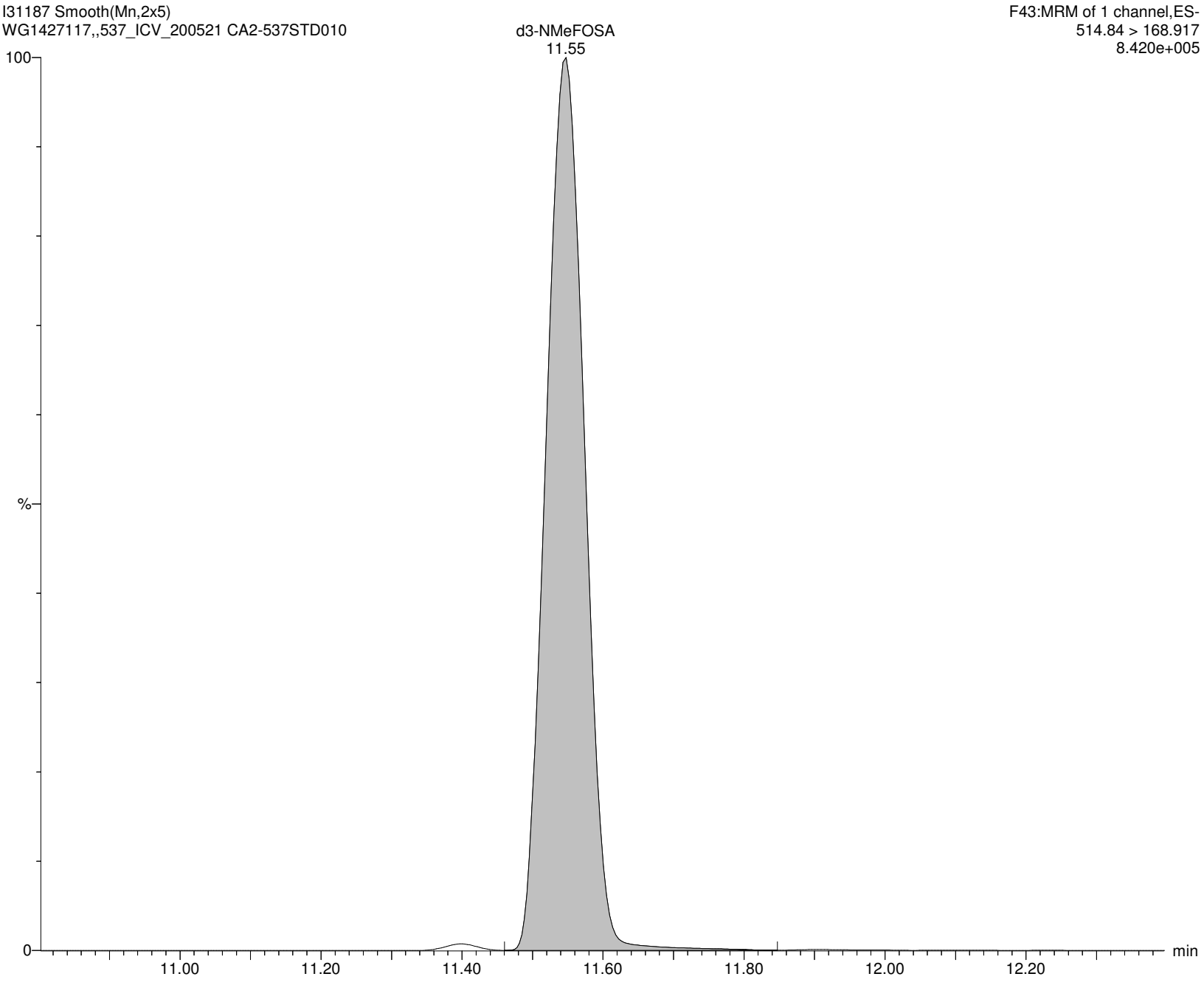
d3-NMeFOSA



all concentration units in (ng/mL)

Alpha Analytical Inc.
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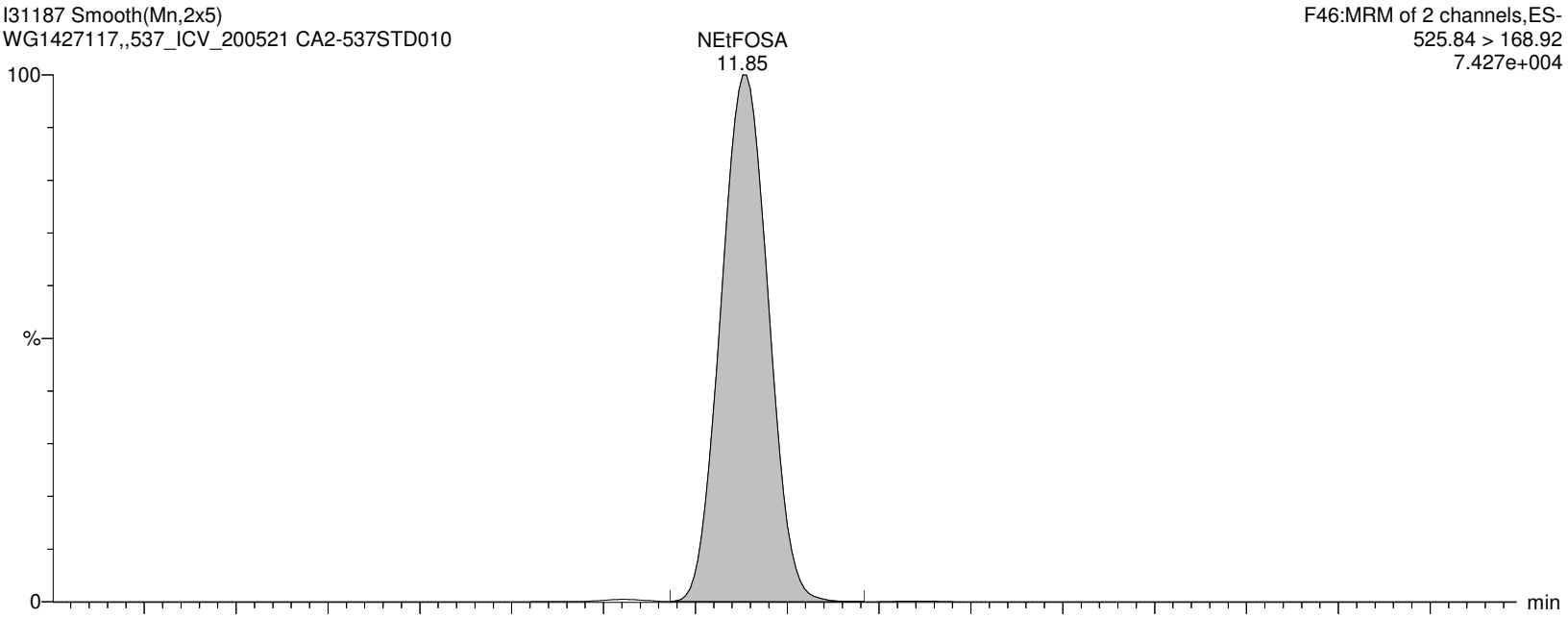

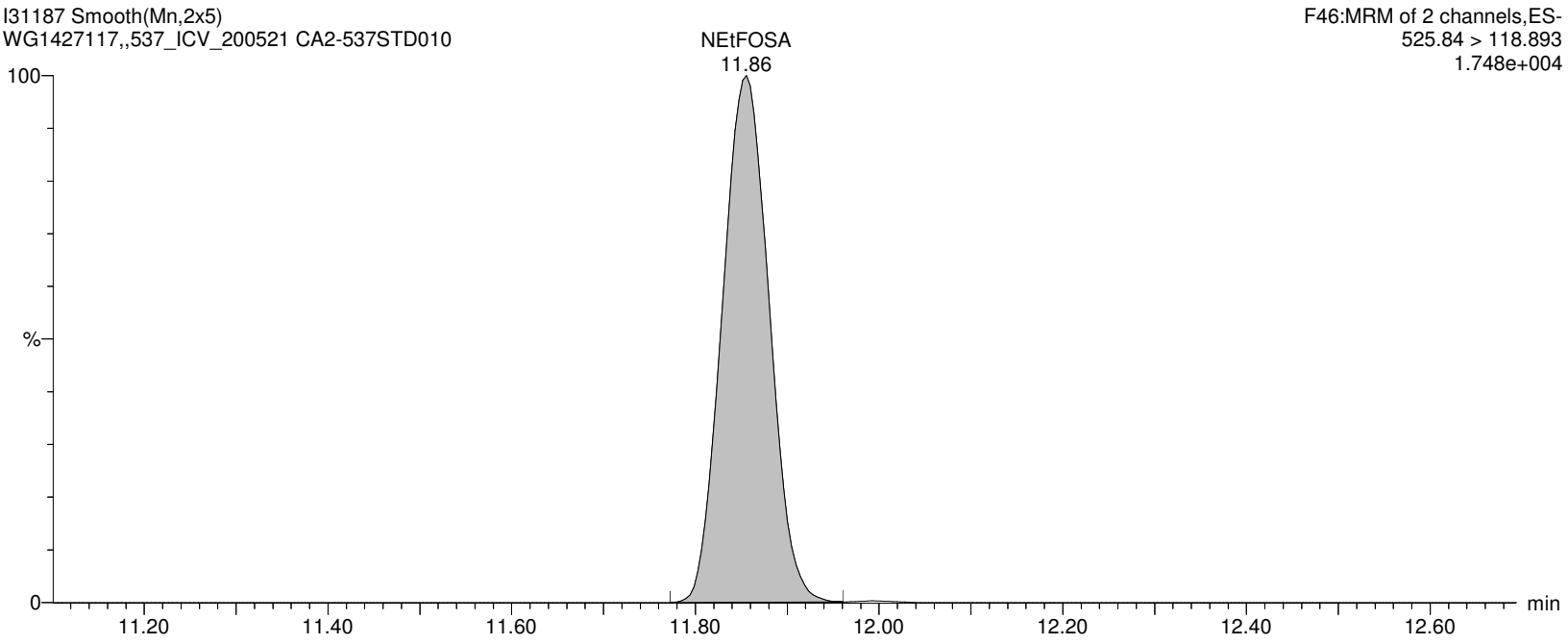

all concentration units in (ng/mL)

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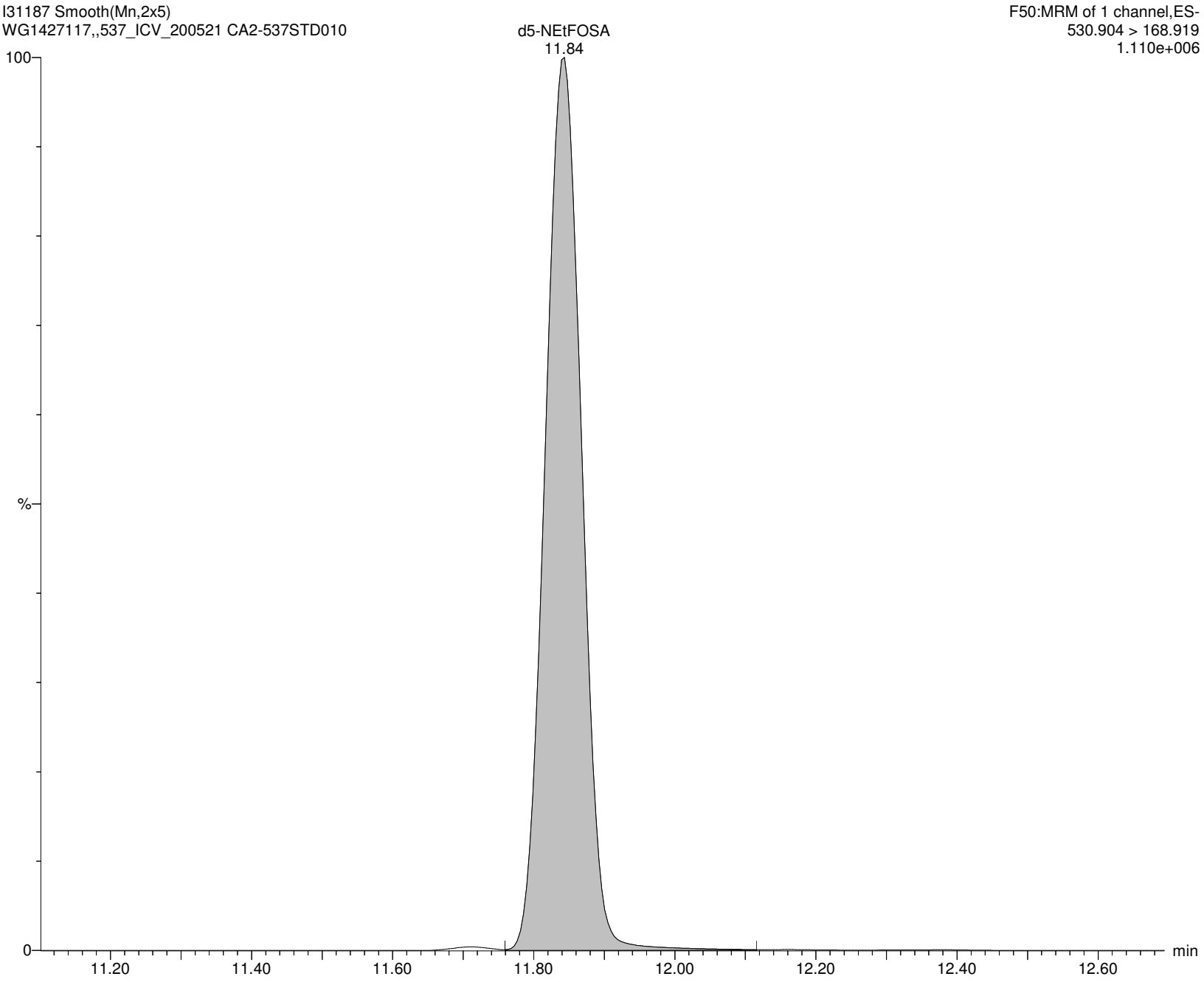
d5-NEtFOSA



all concentration units in (ng/mL)

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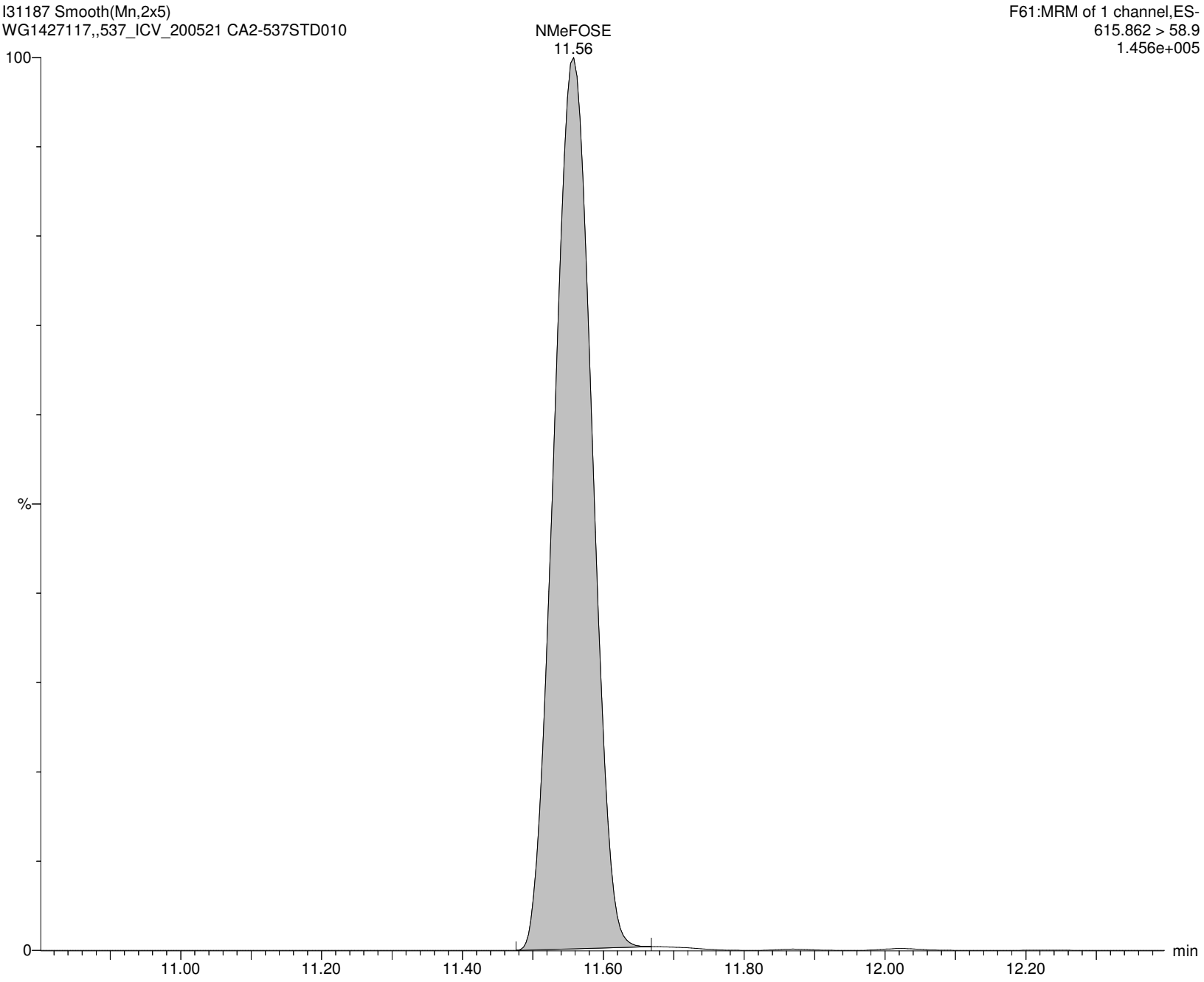
NMeFOSE



all concentration units in (ng/mL)

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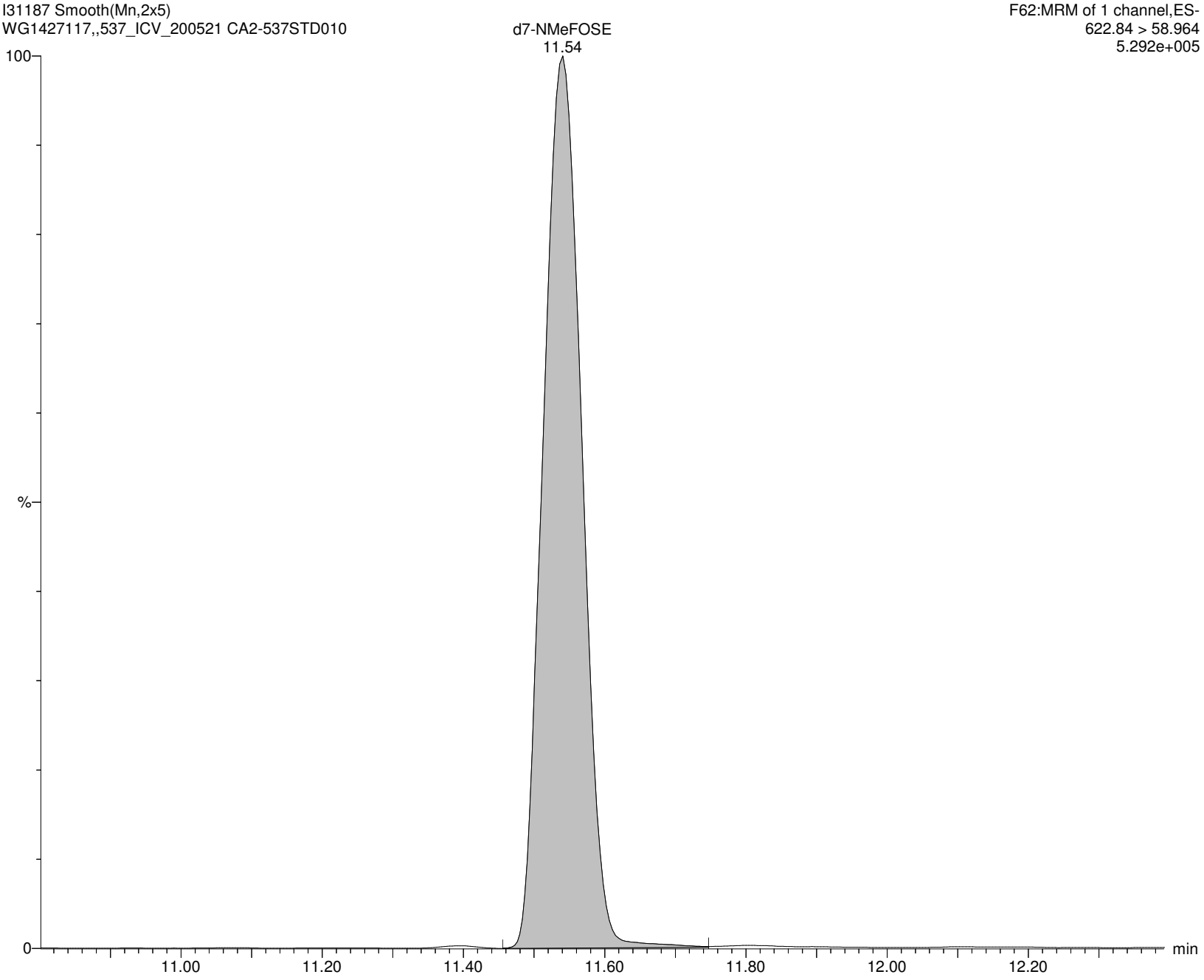
d7-NMeFOSE



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICV_2.qld
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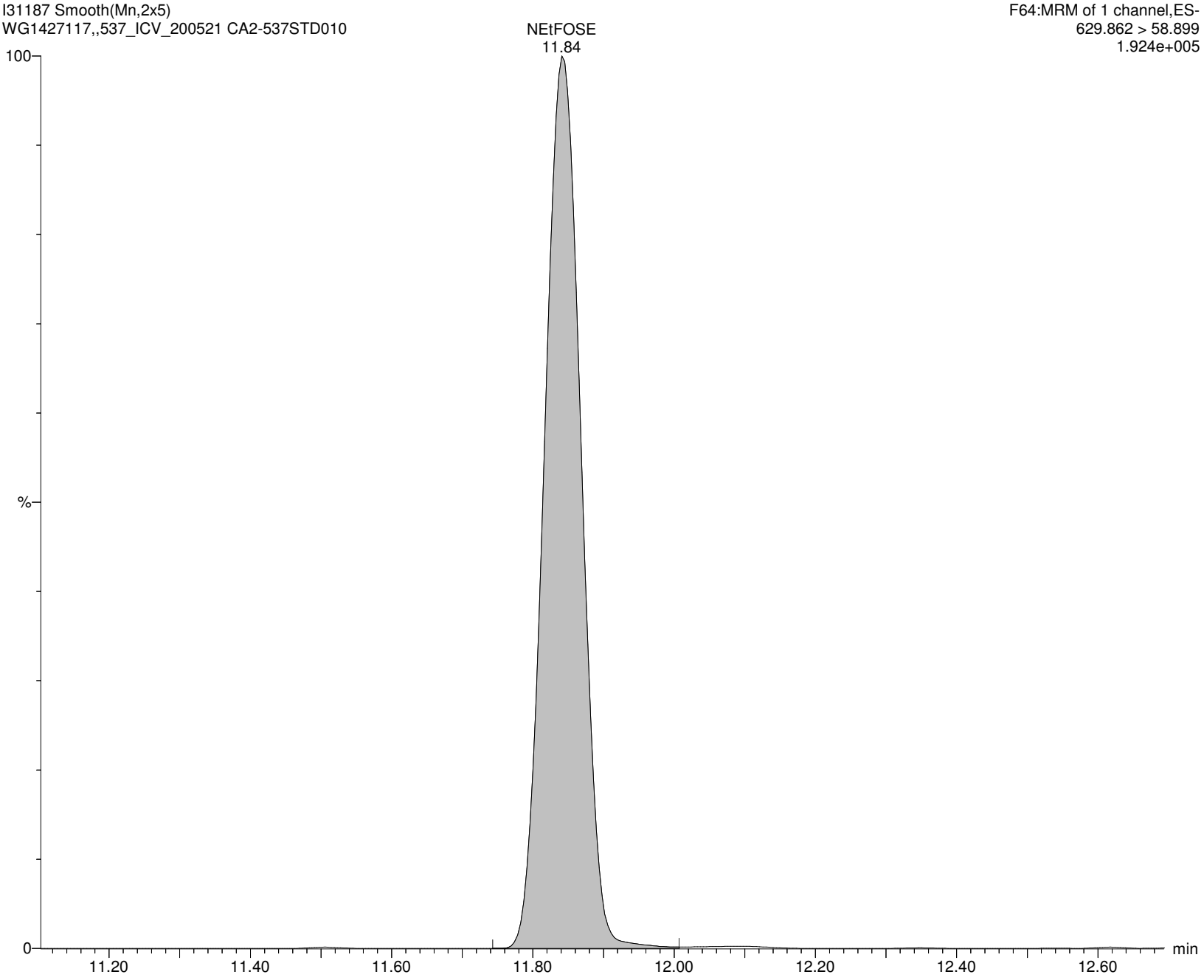
NEtFOSE



all concentration units in (ng/mL)

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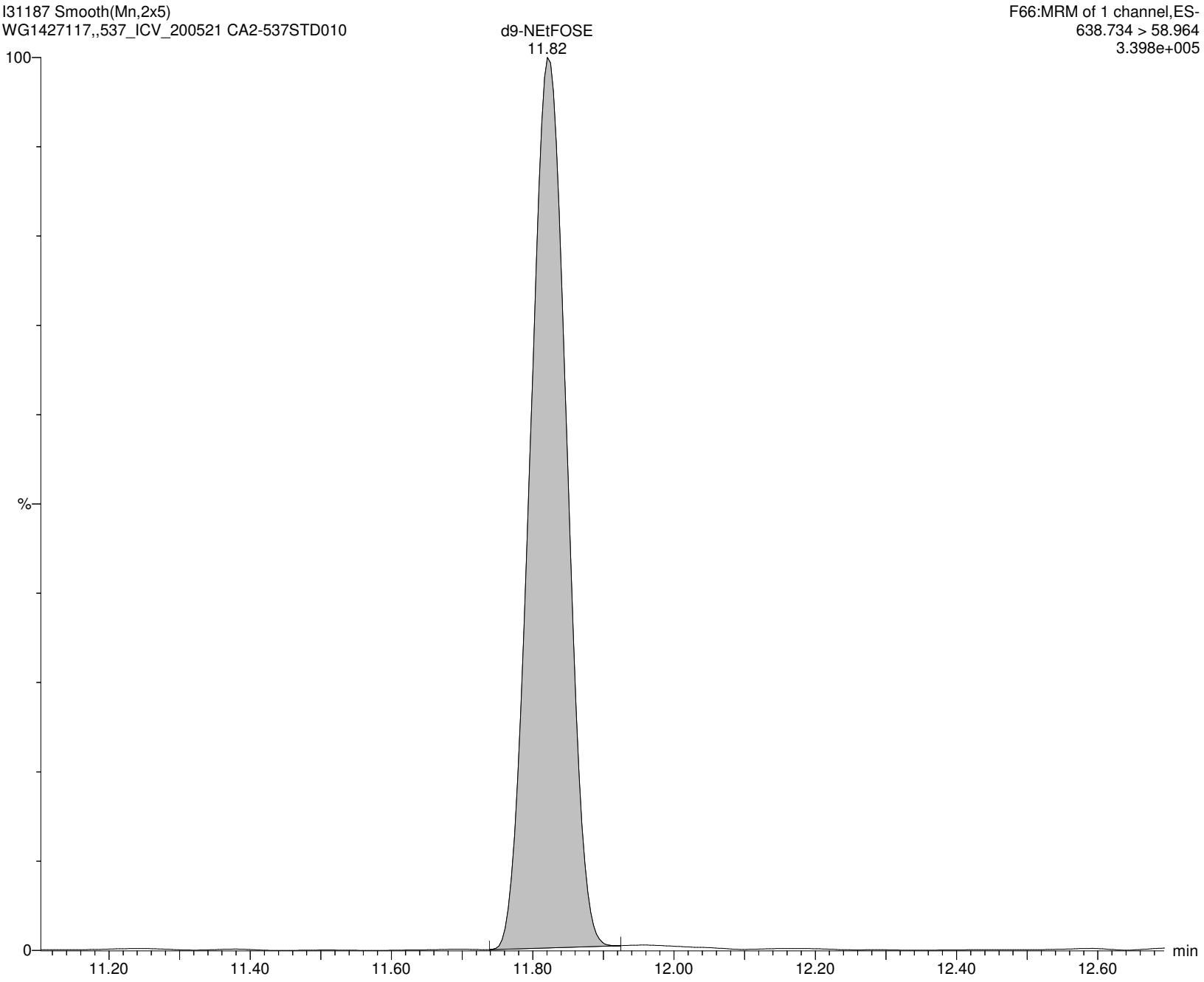

all concentration units in (ng/mL)

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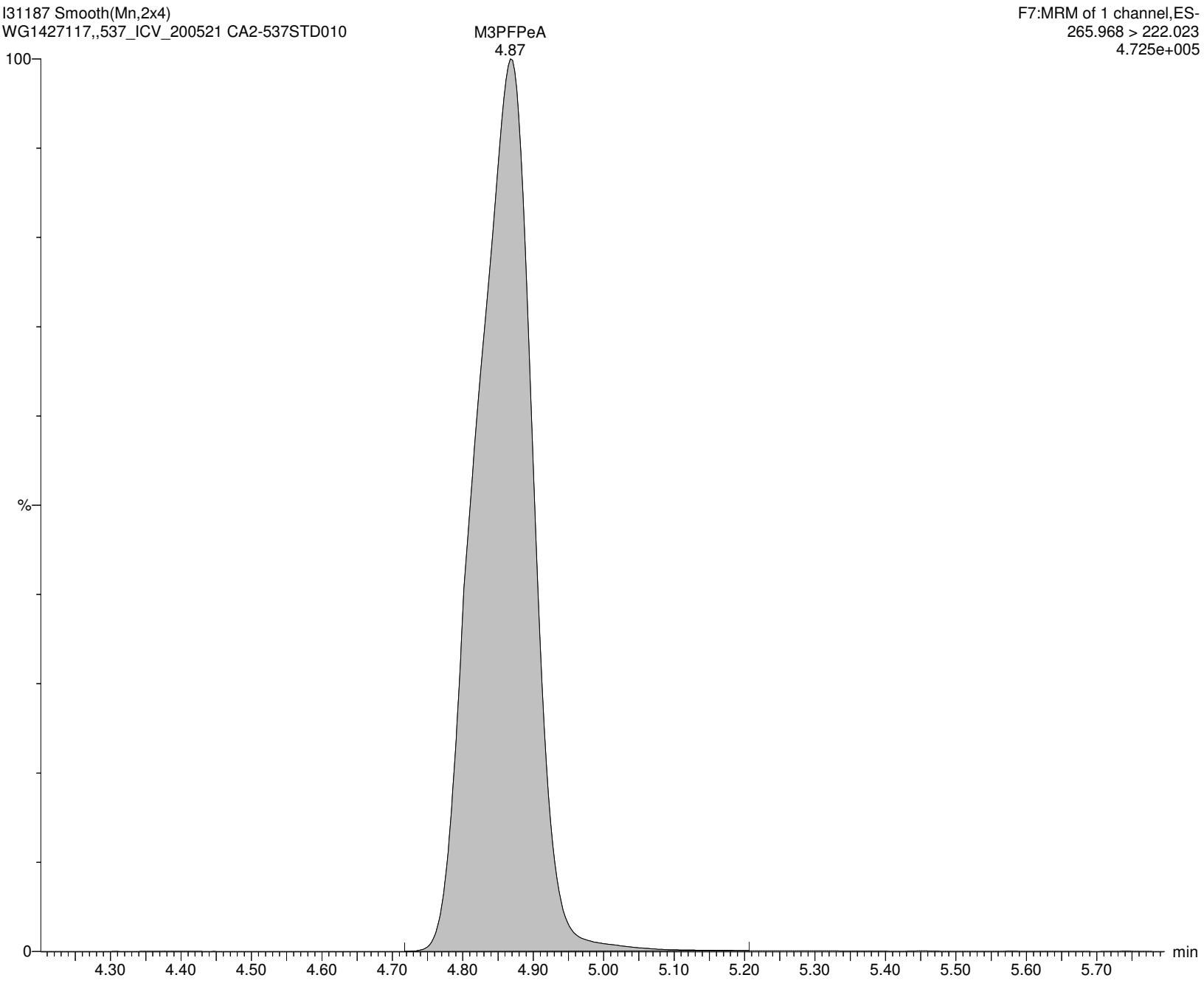
Name: I31187
ID: CA2-537STD010
Date: 27-Oct-2020
Time: 20:42:42
Description: WG1427117,,537_ICV_200521
User: LCMS02:JW
Vial: 1:B,1
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\200520_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

M3PFPeA

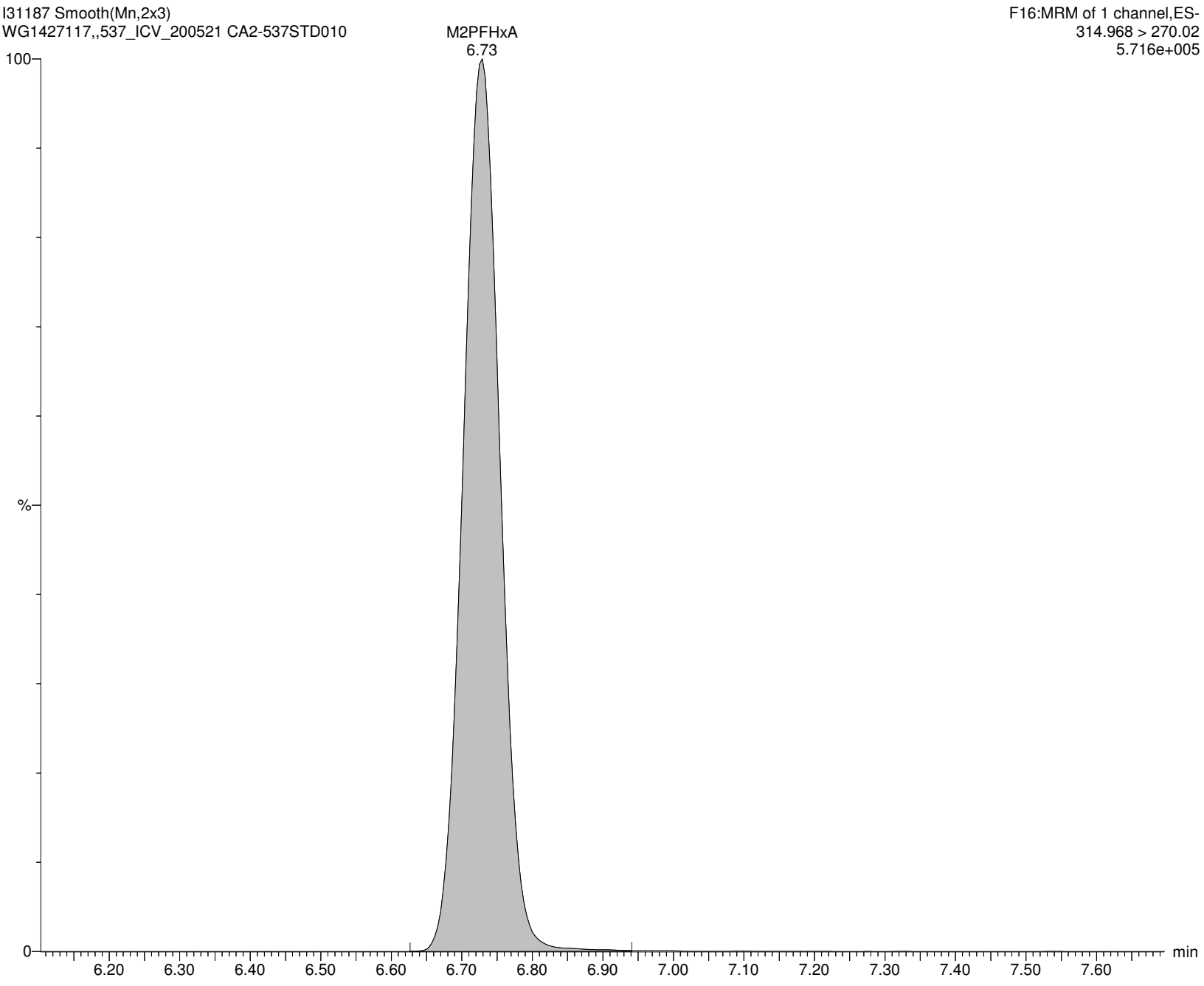


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICV_2.qld
Last Altered: Wednesday, October 28, 2020 10:26:15 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:26:59 Eastern Daylight Time

Name: I31187
ID: CA2-537STD010
Date: 27-Oct-2020
Time: 20:42:42
Description: WG1427117,,537_ICV_200521
User: LCMS02:JW
Vial: 1:B,1
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\200520_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

M2PFHxA

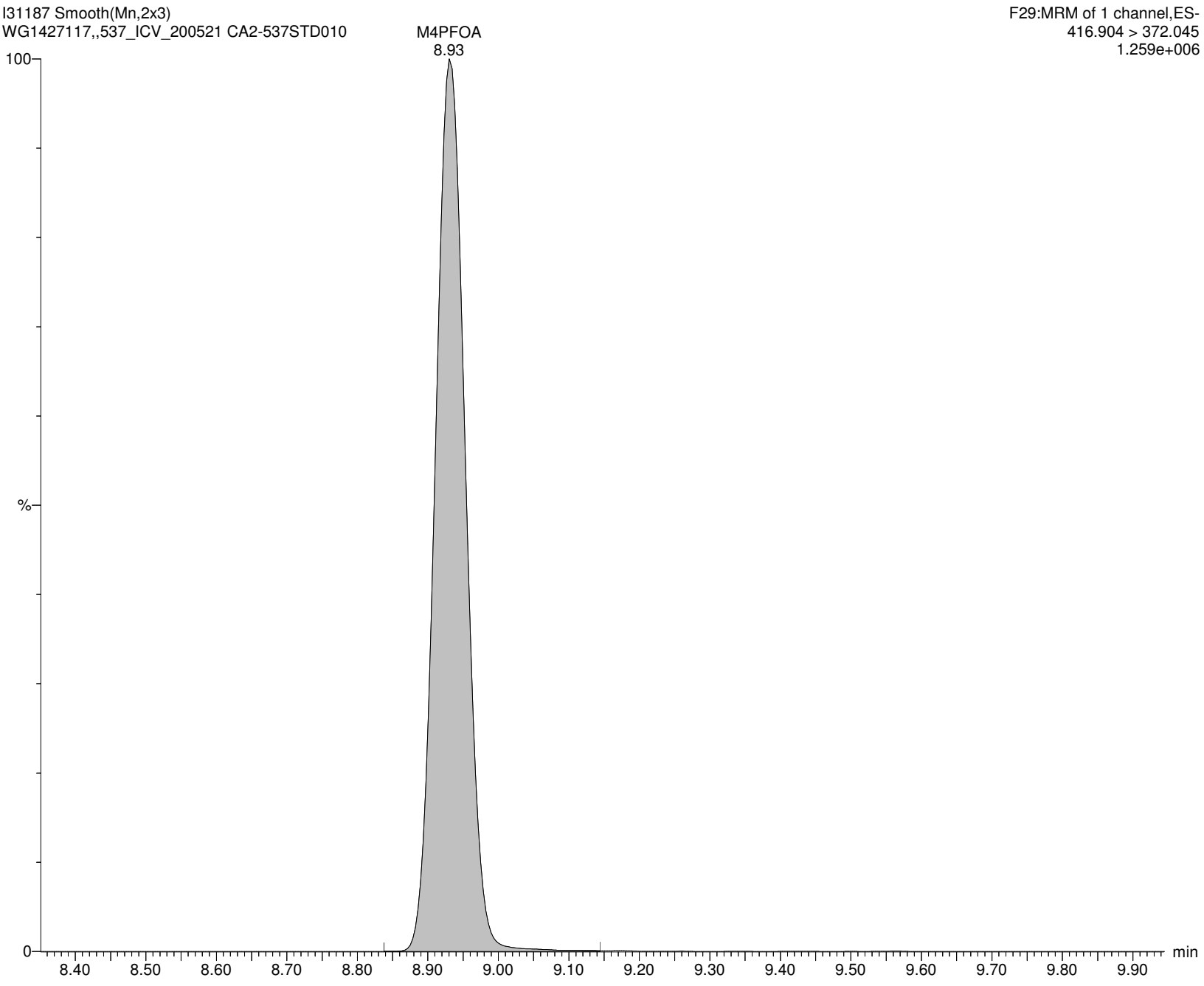


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICV_2.qld
Last Altered: Wednesday, October 28, 2020 10:26:15 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 10:26:59 Eastern Daylight Time

Name: I31187
ID: CA2-537STD010
Date: 27-Oct-2020
Time: 20:42:42
Description: WG1427117,,537_ICV_200521
User: LCMS02:JW
Vial: 1:B,1
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\200520_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

M4PFOA



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICV.qld
Last Altered: Wednesday, October 28, 2020 09:38:56 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 09:39:05 Eastern Daylight Time

Method: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\MethDB\537ISO_Q_201027_TOP.mdb 28 Oct 2020 09:20:00
Calibration: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\CurveDB\201027_ISO_ICAL.cdb 28 Oct 2020 09:27:02

ID: TECHSTD-200316
Name: I31188
Date: 27-Oct-2020
Time: 20:59:16
Description: WG1427117,,537ISO_TECHSTD_200316
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:JW
Inlet Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\200520_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFOA	335-67-1		412.989 > 368.9	43160		7.124		na	

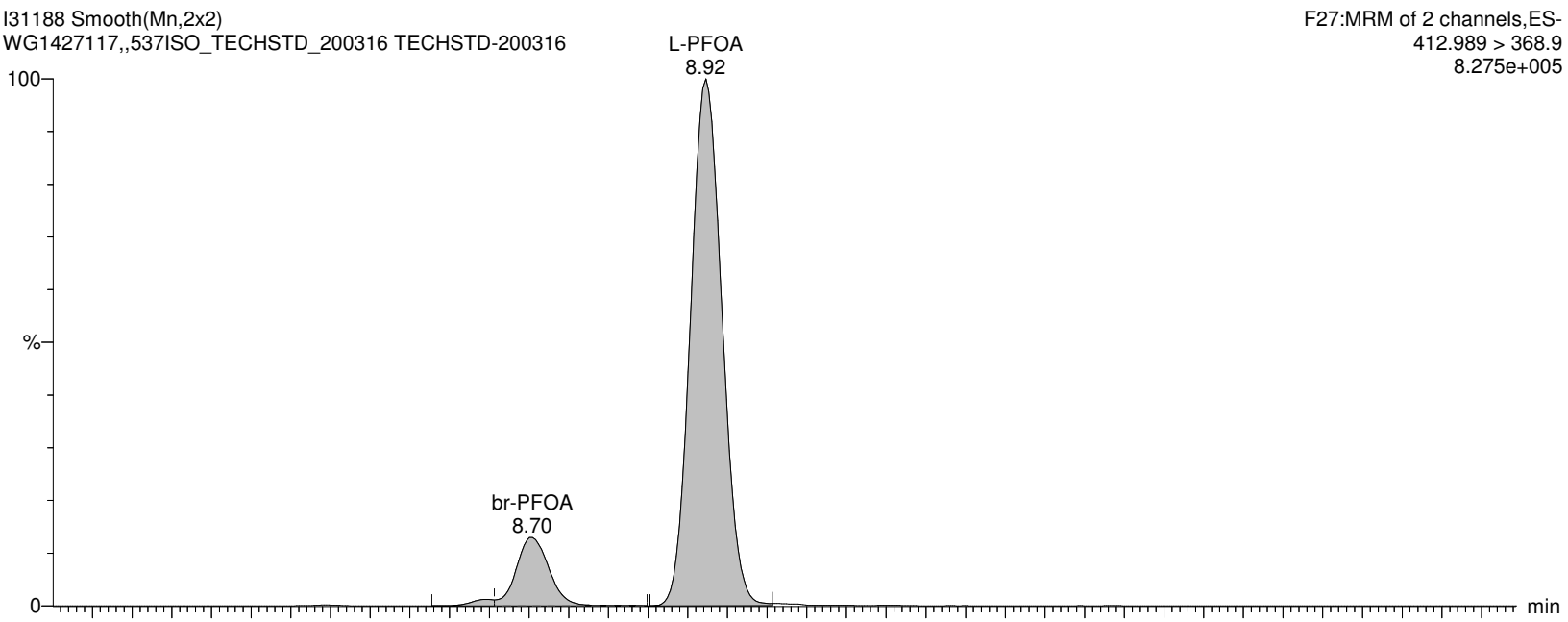
all concentration units in (ng/mL)

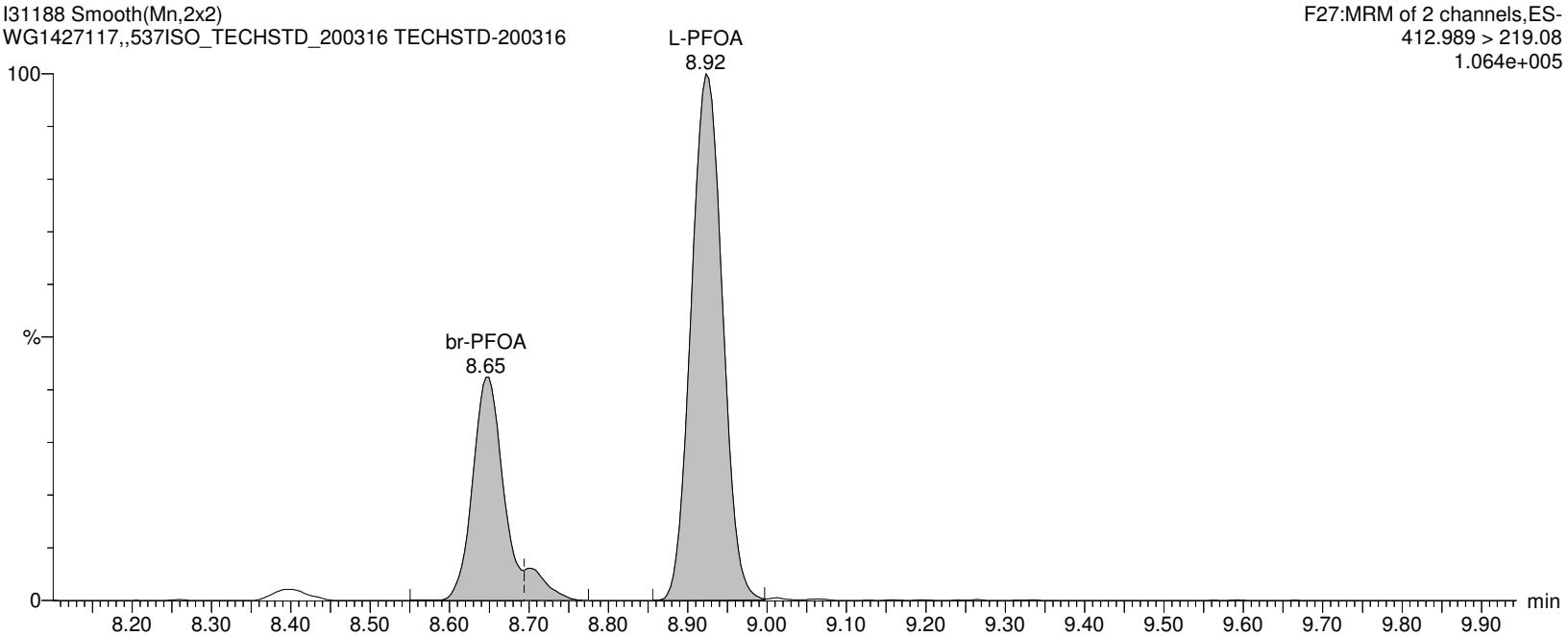
Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\Data\WG1427117ICV.qld
Last Altered: Wednesday, October 28, 2020 09:38:56 Eastern Daylight Time
Printed: Wednesday, October 28, 2020 09:39:05 Eastern Daylight Time

Method: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\MethDB\537ISO_Q_201027_TOP.mdb 28 Oct 2020 09:20:00
Calibration: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\CurveDB\201027_ISO_ICAL.cdb 28 Oct 2020 09:27:02

Name: I31188
ID: TECHSTD-200316
Date: 27-Oct-2020
Time: 20:59:16
Description: WG1427117,,537ISO_TECHSTD_200316
User: LCMS02:JW
Vial: 1:B,2
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\200520_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\201027_537ISO_ICAL.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

PFOA





all concentration units in (ng/mL)

	Compound Name	CAS Number	Compound Type	Quantification Trace	Include Quan Trace in Response?
1	PFBA	375-22-4		212.926 > 169.111	YES
2	M3PFBA	INT STD		215.926 > 172.122	YES
3	MPFBA	INT STD		216.926 > 172.137	YES
4	PFPeA	2706-90-3		262.926 > 219.002	YES
5	M5PFPEA	INT STD		267.989 > 223.081	YES
6	PFBS	375-73-5		298.926 > 79.923	YES
7	M3PFBS	INT STD		301.989 > 80.254	YES
8	4:2FTS	757124-72-4		326.926 > 306.957	YES
9	M2-4:2FTS	INT STD		329.117 > 309.079	YES
10	PFHxA	307-24-4		312.989 > 269.028	YES
11	M5PFHxA	INT STD		317.989 > 273.045	YES
12	PFPeS	2706-91-4		348.926 > 80.251	YES
13	PFHpA	375-85-9		362.926 > 319.014	YES
14	M4PFHpA	INT STD		366.926 > 321.979	YES
15	br-PFHxS	355-46-4		398.926 > 80.295	YES
16	L-PFHxS	355-46-4		398.926 > 80.295	YES
17	PFHxS	355-46-4		398.926 > 80.295	YES
18	M3PFHxS	INT STD		401.926 > 80.317	YES
19	br-PFOA	335-67-1		412.989 > 368.9	YES
20	L-PFOA	335-67-1		412.989 > 368.9	YES
21	M2PFOA	INT STD		415.032 > 369.968	YES
22	PFOA	335-67-1		412.989 > 368.9	YES
23	M8PFOA	INT STD		420.989 > 375.979	YES
24	6:2FTS	27619-97-2		427.161 > 407.155	YES
25	M2-6:2FTS	INT STD		429.146 > 409.14	YES
26	PFHpS	375-92-8		448.926 > 80.257	YES
27	PFNA	375-95-1		462.989 > 418.931	YES
28	M9PFNA	INT STD		472.053 > 426.947	YES
29	br-PFOS	1763-23-1		498.989 > 80.294	YES
30	L-PFOS	1763-23-1		498.989 > 80.294	YES
31	PFOS	1763-23-1		498.989 > 80.294	YES
32	M4PFOS	INT STD		503.032 > 80.306	YES
33	M8PFOS	INT STD		507.053 > 80.294	YES
34	PFDA	335-76-2		513.053 > 468.906	YES
35	M2PFDA	INT STD		515.053 > 469.934	YES
36	M6PFDA	INT STD		519.053 > 473.931	YES
37	8:2FTS	39108-34-4		527.177 > 507.171	YES
38	M2-8:2FTS	INT STD		529.162 > 509.155	YES
39	PFNS	68259-12-1		548.989 > 80.249	YES
40	d3-NMeFOSAA	INT STD		573.22 > 419.061	YES
41	br-NMeFOSAA			570.202 > 419.061	YES
42	L-NMeFOSAA			570.202 > 419.061	YES
43	NMeFOSAA	2355-31-9		570.202 > 419.061	YES
44	PFUnA	2058-94-8		562.989 > 518.903	YES
45	M7-PFUDA	INT STD		570.053 > 524.923	YES
46	PFDS	335-77-3		598.926 > 80.314	YES
47	FOSA	754-91-6		498.146 > 78.07	YES
48	M8FOSA	INT STD		506.077 > 78.07	YES
49	br-NEtFOSAA			584.229 > 419.061	YES
50	L-NEtFOSAA			584.229 > 419.061	YES
51	NEtFOSAA	2991-50-6		584.229 > 419.061	YES
52	d5-NEtFOSAA	INT STD		589.259 > 419.061	YES
53	PFDoA	307-55-1		612.989 > 568.967	YES
54	MPFDOA	INT STD		614.989 > 569.92	YES

	Calculate Ion Ratio Tolerance As	Target Ion Ratio Method	1:Ion Trace	1:Ion Ratio	1:Ion Ratio Win (%) ±
1	Ratio	Quan/Target		0.0000	50
2	Ratio	Quan/Target		0.0000	20
3	Ratio	Quan/Target		0.0000	20
4	Ratio	Quan/Target		0.0000	20
5	Ratio	Quan/Target		0.0000	20
6	Ratio	Quan/Target	298.926 > 98.862	1.9360	50
7	Ratio	Quan/Target		0.0000	20
8	Ratio	Quan/Target	326.926 > 81.02	2.1030	50
9	Ratio	Quan/Target		0.0000	20
10	Ratio	Quan/Target	312.989 > 119.18	12.3860	50
11	Ratio	Quan/Target		0.0000	20
12	Ratio	Quan/Target	348.926 > 99.16	2.1010	50
13	Ratio	Quan/Target	362.926 > 169.12	5.5480	50
14	Ratio	Quan/Target		0.0000	20
15	Ratio	Quan/Target	398.926 > 99.2	1.4820	50
16	Ratio	Quan/Target	398.926 > 99.2	2.5450	50
17	Ratio	Quan/Target	398.926 > 99.2	0.4240	50
18	Ratio	Quan/Target		0.0000	20
19	Ratio	Quan/Target	412.989 > 219.08	8.1970	20
20	Ratio	Quan/Target	412.989 > 219.08	3.1610	50
21	Ratio	Quan/Target		2.8360	20
22	Ratio	Quan/Target	412.989 > 219.08	2.8360	50
23	Ratio	Quan/Target		0.0000	20
24	Ratio	Quan/Target	427.161 > 80.062	11.7220	50
25	Ratio	Quan/Target		0.0000	20
26	Ratio	Quan/Target	448.926 > 99.22	1.1030	50
27	Ratio	Quan/Target	462.989 > 219.04	3.1740	50
28	Ratio	Quan/Target		0.0000	20
29	Ratio	Quan/Target	498.989 > 99.27	2.0840	50
30	Ratio	Quan/Target	498.989 > 99.27	1.8120	50
31	Ratio	Quan/Target	498.989 > 99.27	0.4240	50
32	Ratio	Quan/Target		0.0000	20
33	Ratio	Quan/Target		0.0000	20
34	Ratio	Quan/Target	513.053 > 219.08	4.5020	50
35	Ratio	Quan/Target		0.0000	20
36	Ratio	Quan/Target		0.0000	20
37	Ratio	Quan/Target	527.177 > 80.062	23.6760	50
38	Ratio	Quan/Target		0.0000	20
39	Ratio	Quan/Target	548.989 > 99.22	1.4010	50
40	Ratio	Quan/Target		0.0000	20
41	Ratio	Quan/Target	570.202 > 482.77	2.9290	20
42	Ratio	Quan/Target	570.202 > 482.77	1.0140	50
43	Ratio	Quan/Target	570.202 > 482.77	2.3680	50
44	Ratio	Quan/Target	562.989 > 269.01	6.4420	50
45	Ratio	Quan/Target		0.0000	20
46	Ratio	Quan/Target	598.926 > 99.22	1.4510	50
47	Ratio	Quan/Target	498.146 > 169.022	89.7990	50
48	Ratio	Quan/Target		0.0000	20
49	Ratio	Quan/Target	584.229 > 482.88	3.1660	75
50	Ratio	Quan/Target	584.229 > 482.88	0.0000	75
51	Ratio	Quan/Target	584.229 > 482.88	2.1220	50
52	Ratio	Quan/Target		1.3910	20
53	Ratio	Quan/Target	612.989 > 219.08	13.0800	50
54	Ratio	Quan/Target		0.0000	20

	Compound Name	CAS Number	Compound Type	Quantification Trace	Include Quan Trace in Response?
55	PFTrDA	72629-94-8		663.053 > 618.969	YES
56	PFTA	376-06-7		713.053 > 668.976	YES
57	M2PFTEDA	INT STD		715.094 > 670.092	YES
58	M3HFPO-DA	INT STD		287.02 > 169.022	YES
59	HFPO-DA	13252-13-6		284.819 > 169.094	YES
60	ADONA	958445-44-8		376.926 > 251.005	YES
61	PFHxDA			813.253 > 769.005	YES
62	PFODA			913.411 > 869.131	YES
63	M2PFHxDA			815.372 > 770.158	YES
64	PFDoS			699.154 > 80.062	YES
65	10:2FTS			627.192 > 607.186	YES
66	9CL-PF3ONS			530.862 > 350.843	YES
67	11CL-PFOUdS			630.862 > 450.854	YES
68	NMeFOSA			511.804 > 168.906	YES
69	d3-NMeFOSA			514.84 > 168.917	YES
70	NEtFOSA			525.84 > 168.92	YES
71	d5-NEtFOSA			530.904 > 168.919	YES
72	NMeFOSE			615.862 > 58.9	YES
73	d7-NMeFOSE			622.84 > 58.964	YES
74	NEtFOSE			629.862 > 58.899	YES
75	d9-NEtFOSE			638.734 > 58.964	YES
76	M3PFPeA			265.968 > 222.023	YES
77	M2PFHxA			314.968 > 270.02	YES
78	M4PFOA			416.904 > 372.045	YES
79	PFPrS	423-41-6		249.084 > 80.062	YES
80	PFMPA			229.032 > 85.006	YES
81	PFMBA			279.042 > 85.006	YES
82	PFEESA			315.093 > 135.013	YES
83	NFDHA			295.032 > 201	YES

	Calculate Ion Ratio Tolerance As	Target Ion Ratio Method	1:Ion Trace	1:Ion Ratio	1:Ion Ratio Win (%) ±
55	Ratio	Quan/Target	663.053 > 319.02	10.2280	50
56	Ratio	Quan/Target	713.053 > 219.09	6.9060	50
57	Ratio	Quan/Target		0.0000	20
58	Ratio	Quan/Target		0.0000	50
59	Ratio	Quan/Target	328.989 > 284.982	6.6500	50
60	Ratio	Quan/Target		0.0000	20
61	Ratio	Quan/Target		6.8070	20
62	Ratio	Quan/Target		6.8070	20
63	Ratio	Quan/Target		0.0000	20
64	Ratio	Quan/Target	698.154 > 98.786	4.3870	50
65	Ratio	Quan/Target		0.0000	20
66	Ratio	Quan/Target		0.0000	20
67	Ratio	Quan/Target		0.0000	20
68	Ratio	Quan/Target	511.804 > 218.918	1.6830	50
69	Ratio	Quan/Target		0.0000	20
70	Ratio	Quan/Target	525.84 > 118.893	4.2530	50
71	Ratio	Quan/Target		0.0000	20
72	Ratio	Quan/Target		0.0000	50
73	Ratio	Quan/Target		0.0000	20
74	Ratio	Quan/Target		0.0000	50
75	Ratio	Quan/Target		0.0000	20
76	Ratio	Quan/Target		0.0000	20
77	Ratio	Quan/Target		0.0000	20
78	Ratio	Quan/Target		0.0000	20
79	Ratio	Quan/Target		0.0000	20
80	Ratio	Quan/Target		0.0000	20
81	Ratio	Quan/Target		0.0000	20
82	Ratio	Quan/Target		0.0000	20
83	Ratio	Quan/Target		0.0000	20

Continuing Calibration

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957	
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001	
Instrument ID	: LCMS02	**Calibration Date**	: 12/04/20 11:22	
Lab File ID	: I33401	**Init. Calib. Date(s)**	: 10/27/20	10/27/20
Sample No	: WG1441174-1	**Init. Calib. Times**	: 17:40	19:19
Channel	:			

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
Perfluorobutanoic Acid (PFBA)	0.453	0.500	90.6	50-150
Perfluoropentanoic Acid (PFPeA)	0.508	0.500	101.6	50-150
Perfluorobutanesulfonic Acid (PFBS)	0.419	0.440	94.8	50-150
Perfluorohexanoic Acid (PFHxA)	0.504	0.500	100.7	50-150
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	0.614	0.470	131.4	50-150
Perfluoropentanesulfonic Acid (PFPeS)	0.374	0.470	79.6	50-150
Perfluoroheptanoic Acid (PFHpA)	0.468	0.500	93.5	50-150
Perfluorohexanesulfonic Acid-Branched (br-PFHxS)	0.063	0.086	74.6	50-150
Perfluorohexanesulfonic Acid-Linear (L-PFHxS)	0.336	0.370	90.9	50-150
Perfluorohexanesulfonic Acid (PFHxS)	0.400	0.460	-	50-150
Perfluorooctanoic Acid-Branched (br-PFOA)			-	50-150
Perfluorooctanoic Acid-Linear (L-PFOA)	0.496		99.2	50-150
Perfluorooctanoic Acid (PFOA)	0.496	0.500	-	50-150
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	0.425	0.480	89.4	50-150
Perfluoroheptanesulfonic Acid (PFHpS)	0.466	0.480	98.2	50-150
Perfluorononanoic Acid (PFNA)	0.406	0.500	81.1	50-150
Perfluorooctanesulfonic Acid-Branched (br-PFOS)	0.119	0.098	118.8	50-150
Perfluorooctanesulfonic Acid-Linear (L-PFOS)	0.296	0.365	81.1	50-150
Perfluorooctanesulfonic Acid (PFOS)	0.415	0.460	-	50-150
Perfluorodecanoic Acid (PFDA)	0.456	0.500	91.2	50-150
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	0.300	0.480	62.5	50-150
Perfluorononanesulfonic Acid (PFNS)	0.435	0.480	90.6	50-150
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	0.269	0.500	-	50-150
N-Methyl Perfluorooctanesulfonamidoacetic Acid-Branched (br-NMeFOSAA)	0.011		9.1*	50-150
N-Methyl Perfluorooctanesulfonamidoacetic Acid-Linear (L-NMeFOSAA)	0.258	0.500	67.8	50-150
Perfluoroundecanoic Acid (PFUnA)	0.493	0.500	98.6	50-150
Perfluorodecanesulfonic Acid (PFDS)	0.431	0.480	89.3	50-150
Perfluorooctanesulfonamide (FOSA)	0.457	0.500	91.5	50-150
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.346	0.500	-	50-150
N-Ethyl Perfluorooctanesulfonamidoacetic Acid-Branched (br-NEtFOSAA)	0.016		13.9*	50-150
N-Ethyl Perfluorooctanesulfonamidoacetic Acid-Linear (L-NEtFOSAA)	0.330	0.500	85.2	50-150
Perfluorododecanoic Acid (PFDoA)	0.512	0.500	102.4	50-150
Perfluorotridecanoic Acid (PFTrDA)	0.509	0.500	101.7	50-150
Perfluorotetradecanoic Acid (PFTA)	0.596	0.500	119.2	50-150
Perfluoro[13C4]Butanoic Acid (MPFBA)	9.528	10.000	95.3	50-150
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	11.379	10.000	113.8	50-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	9.676	10.000	96.8	50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	10.239	10.000	102.4	50-150
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	10.770	10.000	107.7	50-150
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	10.844	10.000	108.4	50-150
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	10.638	10.000	106.4	50-150
Perfluoro[13C8]Octanoic Acid (M8PFOA)	9.617	10.000	96.2	50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	8.616	10.000	86.2	50-150

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957	
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001	
Instrument ID	: LCMS02	**Calibration Date**	: 12/04/20 11:22	
Lab File ID	: I33401	**Init. Calib. Date(s)**	: 10/27/20	10/27/20
Sample No	: WG1441174-1	**Init. Calib. Times**	: 17:40	19:19
Channel	:			

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	10.229	10.000	102.3	50-150
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	9.024	10.000	90.2	50-150
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	9.384	10.000	93.8	50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	9.133	10.000	91.3	50-150
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	9.742	10.000	97.4	50-150
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	10.058	10.000	100.6	50-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	6.346	10.000	63.5	50-150
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	8.380	10.000	83.8	50-150
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	9.537	10.000	95.4	50-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	7.033	10.000	70.3	50-150
M4PFOS	12.521		125.2	
M2PFDA	16.373		163.7	
M2PFOA	15.284		152.8	
M3PFBA	13.800		138	

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957	
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001	
Instrument ID	: LCMS02	**Calibration Date**	: 12/04/20 16:12	
Lab File ID	: I33417	**Init. Calib. Date(s)**	: 10/27/20	10/27/20
Sample No	: WG1441174-2	**Init. Calib. Times**	: 17:40	19:19
Channel	:			

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
Perfluorobutanoic Acid (PFBA)	10.820	10.000	108.2	70-130
Perfluoropentanoic Acid (PFPeA)	11.181	10.000	111.8	70-130
Perfluorobutanesulfonic Acid (PFBS)	9.889	8.850	111.7	70-130
Perfluorohexanoic Acid (PFHxA)	10.832	10.000	108.3	70-130
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	13.006	9.350	139.1*	70-130
Perfluoropentanesulfonic Acid (PFPeS)	10.255	9.400	109.1	70-130
Perfluoroheptanoic Acid (PFHpA)	10.662	10.000	106.6	70-130
Perfluorohexanesulfonic Acid-Branched (br-PFHxS)	2.089	1.720	122.9	70-130
Perfluorohexanesulfonic Acid-Linear (L-PFHxS)	8.117	7.400	109.7	70-130
Perfluorohexanesulfonic Acid (PFHxS)	10.206	9.120	-	70-130
Perfluorooctanoic Acid-Branched (br-PFOA)			-	70-130
Perfluorooctanoic Acid-Linear (L-PFOA)	10.988	10.000	109.9	70-130
Perfluorooctanoic Acid (PFOA)	10.988	10.000	-	70-130
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	11.709	9.500	123.3	70-130
Perfluoroheptanesulfonic Acid (PFHpS)	11.212	9.500	118	70-130
Perfluorononanoic Acid (PFNA)	10.962	10.000	109.6	70-130
Perfluorooctanesulfonic Acid-Branched (br-PFOS)	2.417	1.960	120.9	70-130
Perfluorooctanesulfonic Acid-Linear (L-PFOS)	8.488	7.300	116.3	70-130
Perfluorooctanesulfonic Acid (PFOS)	10.906	9.260	-	70-130
Perfluorodecanoic Acid (PFDA)	10.923	10.000	109.2	70-130
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	13.483	9.600	140.4*	70-130
Perfluorononanesulfonic Acid (PFNS)	11.800	9.600	122.9	70-130
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	9.736	10.000	-	70-130
N-Methyl Perfluorooctanesulfonamidoacetic Acid-Branched (br-NMeFOSAA)	2.043		85.1	70-130
N-Methyl Perfluorooctanesulfonamidoacetic Acid-Linear (L-NMeFOSAA)	7.693	10.000	101.2	70-130
Perfluoroundecanoic Acid (PFUnA)	10.997	10.000	110	70-130
Perfluorodecanesulfonic Acid (PFDS)	12.312	9.650	127.6	70-130
Perfluorooctanesulfonamide (FOSA)	10.310	10.000	103.1	70-130
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	11.768	10.000	-	70-130
N-Ethyl Perfluorooctanesulfonamidoacetic Acid-Branched (br-NEtFOSAA)	2.472		109.9	70-130
N-Ethyl Perfluorooctanesulfonamidoacetic Acid-Linear (L-NEtFOSAA)	9.297	10.000	120	70-130
Perfluorododecanoic Acid (PFDoA)	10.931	10.000	109.3	70-130
Perfluorotridecanoic Acid (PFTrDA)	11.465	10.000	114.6	70-130
Perfluorotetradecanoic Acid (PFTA)	13.146	10.000	131.5*	70-130
Perfluoro[13C4]Butanoic Acid (MPFBA)	9.114	10.000	91.1	50-150
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	10.370	10.000	103.7	50-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	8.842	10.000	88.4	50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	10.106	10.000	101.1	50-150
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	9.645	10.000	96.5	50-150
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	10.149	10.000	101.5	50-150
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	9.642	10.000	96.4	50-150
Perfluoro[13C8]Octanoic Acid (M8PFOA)	9.108	10.000	91.1	50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	9.615	10.000	96.2	50-150

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957	
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001	
Instrument ID	: LCMS02	**Calibration Date**	: 12/04/20 16:12	
Lab File ID	: I33417	**Init. Calib. Date(s)**	: 10/27/20	10/27/20
Sample No	: WG1441174-2	**Init. Calib. Times**	: 17:40	19:19
Channel	:			

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	9.154	10.000	91.5	50-150
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	8.495	10.000	85	50-150
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	9.146	10.000	91.5	50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	10.475	10.000	104.8	50-150
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	8.960	10.000	89.6	50-150
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	9.526	10.000	95.3	50-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	5.888	10.000	58.9	50-150
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	7.297	10.000	73	50-150
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	9.397	10.000	94	50-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	7.149	10.000	71.5	50-150
M4PFOS	12.115		121.1	
M2PFDA	16.999		170	
M2PFOA	14.970		149.7	
M3PFBA	12.852		128.5	

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957	
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001	
Instrument ID	: LCMS02	**Calibration Date**	: 12/04/20 19:31	
Lab File ID	: I33429	**Init. Calib. Date(s)**	: 10/27/20	10/27/20
Sample No	: WG1441174-3	**Init. Calib. Times**	: 17:40	19:19
Channel	:			

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
Perfluorobutanoic Acid (PFBA)	0.451	0.500	90.3	50-150
Perfluoropentanoic Acid (PFPeA)	0.500	0.500	99.9	50-150
Perfluorobutanesulfonic Acid (PFBS)	0.397	0.440	89.8	50-150
Perfluorohexanoic Acid (PFHxA)	0.501	0.500	100.2	50-150
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	0.432	0.470	92.3	50-150
Perfluoropentanesulfonic Acid (PFPeS)	0.402	0.470	85.6	50-150
Perfluoroheptanoic Acid (PFHpA)	0.467	0.500	93.3	50-150
Perfluorohexanesulfonic Acid-Branched (br-PFHxS)	0.064	0.086	75.5	50-150
Perfluorohexanesulfonic Acid-Linear (L-PFHxS)	0.348	0.370	94	50-150
Perfluorohexanesulfonic Acid (PFHxS)	0.412	0.460	-	50-150
Perfluorooctanoic Acid-Branched (br-PFOA)			-	50-150
Perfluorooctanoic Acid-Linear (L-PFOA)	0.502		100.3	50-150
Perfluorooctanoic Acid (PFOA)	0.502	0.500	-	50-150
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	0.395	0.480	83.2	50-150
Perfluoroheptanesulfonic Acid (PFHpS)	0.427	0.480	89.8	50-150
Perfluorononanoic Acid (PFNA)	0.475	0.500	95	50-150
Perfluorooctanesulfonic Acid-Branched (br-PFOS)	0.071	0.098	70.7	50-150
Perfluorooctanesulfonic Acid-Linear (L-PFOS)	0.366	0.365	100.3	50-150
Perfluorooctanesulfonic Acid (PFOS)	0.437	0.460	-	50-150
Perfluorodecanoic Acid (PFDA)	0.490	0.500	98.1	50-150
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	0.500	0.480	104.2	50-150
Perfluorononanesulfonic Acid (PFNS)	0.427	0.480	89	50-150
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	0.288	0.500	-	50-150
N-Methyl Perfluorooctanesulfonamidoacetic Acid-Branched (br-NMeFOSAA)	0.044		36.8*	50-150
N-Methyl Perfluorooctanesulfonamidoacetic Acid-Linear (L-NMeFOSAA)	0.244	0.500	64.2	50-150
Perfluoroundecanoic Acid (PFUnA)	0.463	0.500	92.6	50-150
Perfluorodecanesulfonic Acid (PFDS)	0.542	0.480	112.3	50-150
Perfluorooctanesulfonamide (FOSA)	0.407	0.500	81.4	50-150
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.372	0.500	-	50-150
N-Ethyl Perfluorooctanesulfonamidoacetic Acid-Branched (br-NEtFOSAA)	0.057		50.2	50-150
N-Ethyl Perfluorooctanesulfonamidoacetic Acid-Linear (L-NEtFOSAA)	0.316	0.500	81.4	50-150
Perfluorododecanoic Acid (PFDoA)	0.504	0.500	100.7	50-150
Perfluorotridecanoic Acid (PFTrDA)	0.524	0.500	104.8	50-150
Perfluorotetradecanoic Acid (PFTA)	0.512	0.500	102.4	50-150
Perfluoro[13C4]Butanoic Acid (MPFBA)	9.554	10.000	95.5	50-150
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	10.680	10.000	106.8	50-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	9.481	10.000	94.8	50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	11.684	10.000	116.8	50-150
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	10.131	10.000	101.3	50-150
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	10.531	10.000	105.3	50-150
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	10.111	10.000	101.1	50-150
Perfluoro[13C8]Octanoic Acid (M8PFOA)	9.606	10.000	96.1	50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	10.833	10.000	108.3	50-150

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957	
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001	
Instrument ID	: LCMS02	**Calibration Date**	: 12/04/20 19:31	
Lab File ID	: I33429	**Init. Calib. Date(s)**	: 10/27/20	10/27/20
Sample No	: WG1441174-3	**Init. Calib. Times**	: 17:40	19:19
Channel	:			

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	9.838	10.000	98.4	50-150
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	9.156	10.000	91.6	50-150
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	9.412	10.000	94.1	50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	12.805	10.000	128.1	50-150
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	9.740	10.000	97.4	50-150
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	10.521	10.000	105.2	50-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	6.514	10.000	65.1	50-150
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	8.734	10.000	87.3	50-150
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	10.034	10.000	100.3	50-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	8.136	10.000	81.4	50-150
M4PFOS	12.672		126.7	
M2PFDA	17.634		176.3	
M2PFOA	15.796		158	
M3PFBA	13.903		139	

* Value outside of QC limits.

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-1.qld
Last Altered: Sunday, December 06, 2020 21:52:18 Eastern Standard Time
Printed: Sunday, December 06, 2020 21:52:38 Eastern Standard Time

Method: C:\MassLynx\Data\2020\201204_537ISO.PRO\MethDB\537ISO_Q_201027_TOP_RT.mdb 06 Nov 2020 07:37:19
Calibration: C:\MassLynx\Data\2020\201204_537ISO.PRO\CurveDB\201027_ISO_ICAL.cdb 28 Oct 2020 09:14:48

ID: WG1441174-1,537ILOW
Name: I33401
Date: 04-Dec-2020
Time: 11:22:11
Description: WG1441174,WG1439379,ICAL17286,537ILOW
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:JW
Inlet Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\200520_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4	2.16	212.926 > 169.111	1619		0.453		na	90.6
2	M3PFBA	INT STD	2.16	215.926 > 172.122	40532		13.800		na	138.0
3	MPFBA	INT STD	2.16	216.926 > 172.137	46693		9.528		na	95.3
4	PFPeA	2706-90-3	4.97	262.926 > 219.002	2611		0.508		na	101.6
5	M5PFPEA	INT STD	4.97	267.989 > 223.081	71798		11.379		na	113.8
6	PFBS	375-73-5	5.61	298.926 > 79.923	491		0.419	1.81	NO	94.8
7	M3PFBS	INT STD	5.60	301.989 > 80.254	11077		9.676		na	96.8
8	4:2FTS	757124-72-4	6.74	326.926 > 306.957	165		0.614	2.74	NO	131.4
9	M2-4:2FTS	INT STD	6.75	329.117 > 309.079	4295		10.239		na	102.4
10	PFHxA	307-24-4	6.83	312.989 > 269.028	3067	M7	0.504	19.23	YES	100.7
11	M5PFHxA	INT STD	6.82	317.989 > 273.045	66778		10.770		na	107.7
12	PFPeS	2706-91-4	7.14	348.926 > 80.251	387		0.374	1.65	NO	79.6
13	PFHpA	375-85-9	8.10	362.926 > 319.014	3811		0.468	5.66	NO	93.5
14	M4PFHpA	INT STD	8.10	366.926 > 321.979	84365		10.844		na	108.4
15	br-PFHxS	355-46-4	8.03	398.926 > 80.295	55	M5,M7	0.063	1.87	NO	74.6
16	L-PFHxS	355-46-4	8.26	398.926 > 80.295	377	m7	0.336	1.62	NO	90.9
17	PFHxS	355-46-4		398.926 > 80.295	432		0.400		na	
18	M3PFHxS	INT STD	8.26	401.926 > 80.317	10777		10.638		na	106.4
19	br-PFOA	335-67-1		412.989 > 368.9			ND		YES	
20	L-PFOA	335-67-1	9.04	412.989 > 368.9	4177		0.496	8.70	YES	99.2
21	M2PFOA	INT STD	9.04	415.032 > 369.968	95455		15.284		na	152.8
22	PFOA	335-67-1		412.989 > 368.9	4177		0.496		na	
23	M8PFOA	INT STD	9.04	420.989 > 375.979	100803		9.617		na	96.2
24	6:2FTS	27619-97-2	9.00	427.161 > 407.155	134	M7	0.425	23.33	YES	89.4
25	M2-6:2FTS	INT STD	9.00	429.146 > 409.14	3949		8.616		na	86.2
26	PFHpS	375-92-8	9.13	448.926 > 80.257	343		0.466	1.23	NO	98.2
27	PFNA	375-95-1	9.80	462.989 > 418.931	3110		0.406	3.26	NO	81.1
28	M9PFNA	INT STD	9.80	472.053 > 426.947	41061		10.229		na	102.3
29	br-PFOS	1763-23-1	9.67	498.989 > 80.294	136	M5,M7	0.119	10.54	YES	118.8
30	L-PFOS	1763-23-1	9.86	498.989 > 80.294	284	m7	0.296	1.46	NO	81.1
31	PFOS	1763-23-1		498.989 > 80.294	420		0.415		na	
32	M4PFOS	INT STD	9.85	503.032 > 80.306	9354		12.521		na	125.2
33	M8PFOS	INT STD	9.85	507.053 > 80.294	10546		9.024		na	90.2
34	PFDA	335-76-2	10.42	513.053 > 468.906	2854	m4	0.456	4.32	NO	91.2
35	M2PFDA	INT STD	10.43	515.053 > 469.934	71119		16.373		na	163.7
36	M6PFDA	INT STD	10.42	519.053 > 473.931	72984		9.384		na	93.8
37	8:2FTS	39108-34-4	10.42	527.177 > 507.171	51		0.300		YES	62.5
38	M2-8:2FTS	INT STD	10.42	529.162 > 509.155	2916		9.133		na	91.3
39	PFNS	68259-12-1	10.46	548.989 > 80.249	363		0.435	1.61	NO	90.6

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-1.qld
Last Altered: Sunday, December 06, 2020 21:52:18 Eastern Standard Time
Printed: Sunday, December 06, 2020 21:52:38 Eastern Standard Time

ID: WG1441174-1,537ILOW
Name: I33401
Date: 04-Dec-2020
Time: 11:22:11
Description: WG1441174,WG1439379,ICAL17286,537ILOW
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:JW
Inlet Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\200520_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.80	573.22 > 419.061	7899		9.742		na	97.4
41	br-NMeFOSAA		10.61	570.202 > 419.061	3	M5,M7	0.011	0.67	YES	9.1
42	L-NMeFOSAA		10.81	570.202 > 419.061	187		0.258	1.93	YES	67.8
43	NMeFOSAA	2355-31-9		570.202 > 419.061	190		0.269		na	
44	PFUnA	2058-94-8	10.97	562.989 > 518.903	3073		0.493	9.42	NO	98.6
45	M7-PFUDA	INT STD	10.97	570.053 > 524.923	66854		10.058		na	100.6
46	PFDS	335-77-3	10.99	598.926 > 80.314	350		0.431	1.47	NO	89.3
47	FOSA	754-91-6	10.87	498.146 > 78.07	1303	M7	0.457	260.57	YES	91.5
48	M8FOSA	INT STD	10.87	506.077 > 78.07	32648		6.346		na	63.5
49	br-NEtFOSAA		10.95	584.229 > 419.061	3	M5	0.016		YES	13.9
50	L-NEtFOSAA		11.11	584.229 > 419.061	144		0.330	3.61	NO	85.2
51	NEtFOSAA	2991-50-6		584.229 > 419.061	147		0.346		na	
52	d5-NEtFOSAA	INT STD	11.09	589.259 > 419.061	5418		8.380		na	83.8
53	PFDoA	307-55-1	11.44	612.989 > 568.967	3599	M7	0.512	15.15	NO	102.4
54	MPFDOA	INT STD	11.44	614.989 > 569.92	71204		9.537		na	95.4
55	PFTrDA	72629-94-8	11.85	663.053 > 618.969	3744	m7	0.509	9.48	NO	101.7
56	PFTA	376-06-7	12.21	713.053 > 668.976	2931		0.596	8.29	NO	119.2
57	M2PFTEDA	INT STD	12.21	715.094 > 670.092	25788		7.033		na	70.3

all concentration units in (ng/mL)

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Name: I33401
ID: WG1441174-1,537ILOW
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Description: WG1441174,WG1439379,ICAL17286,537ILOW
User: LCMS02:JW
Vial: 1:A,2
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\200520_TUNE.IPR
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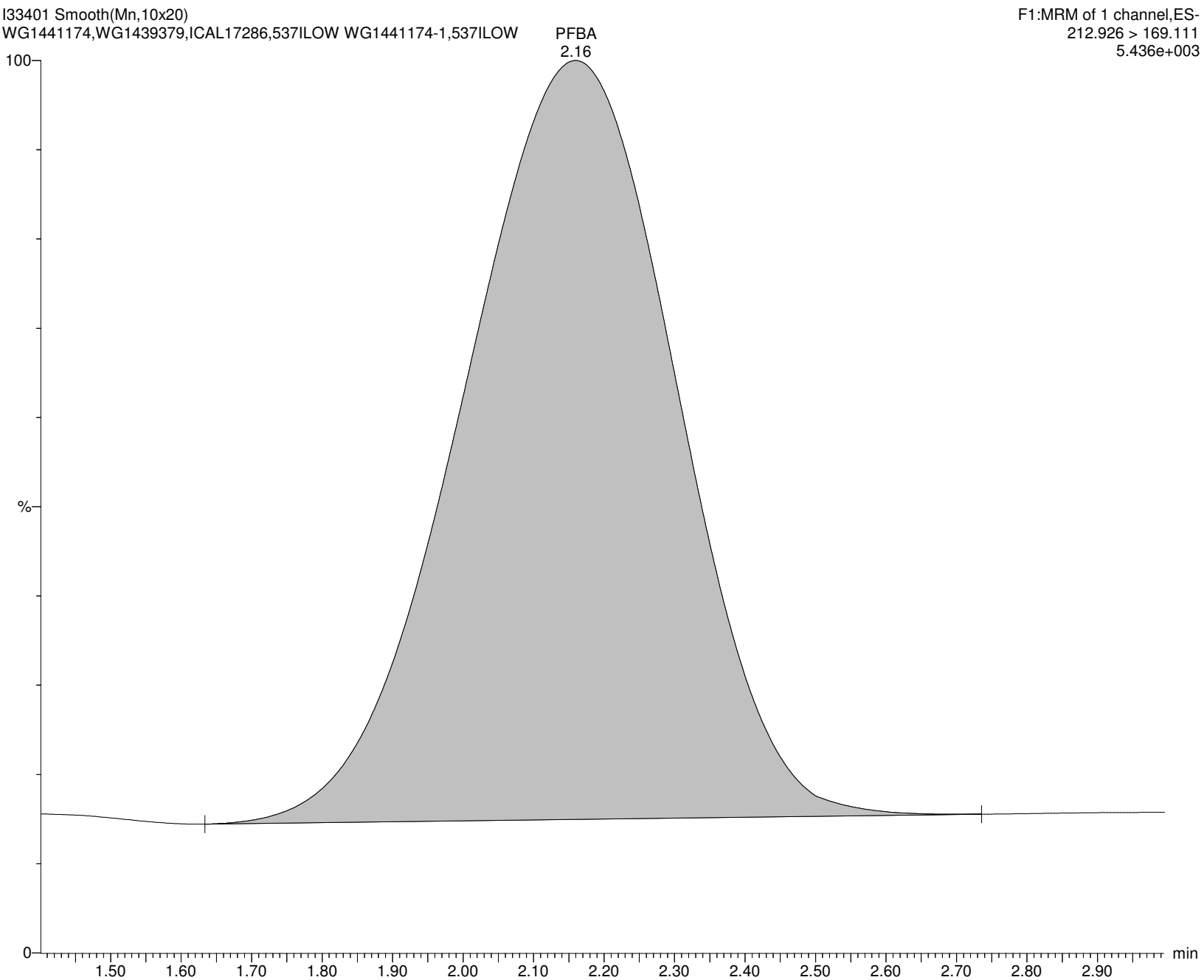

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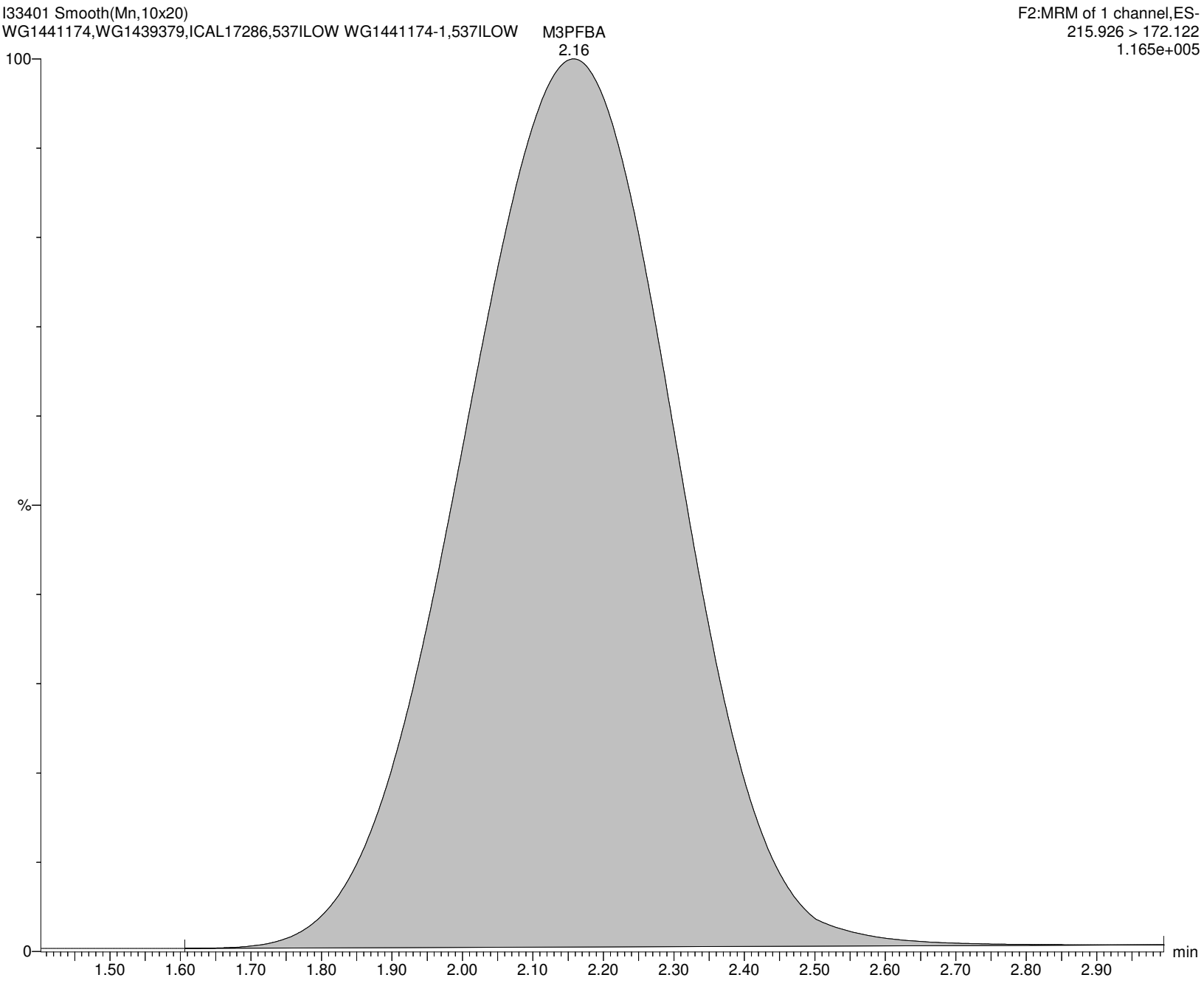

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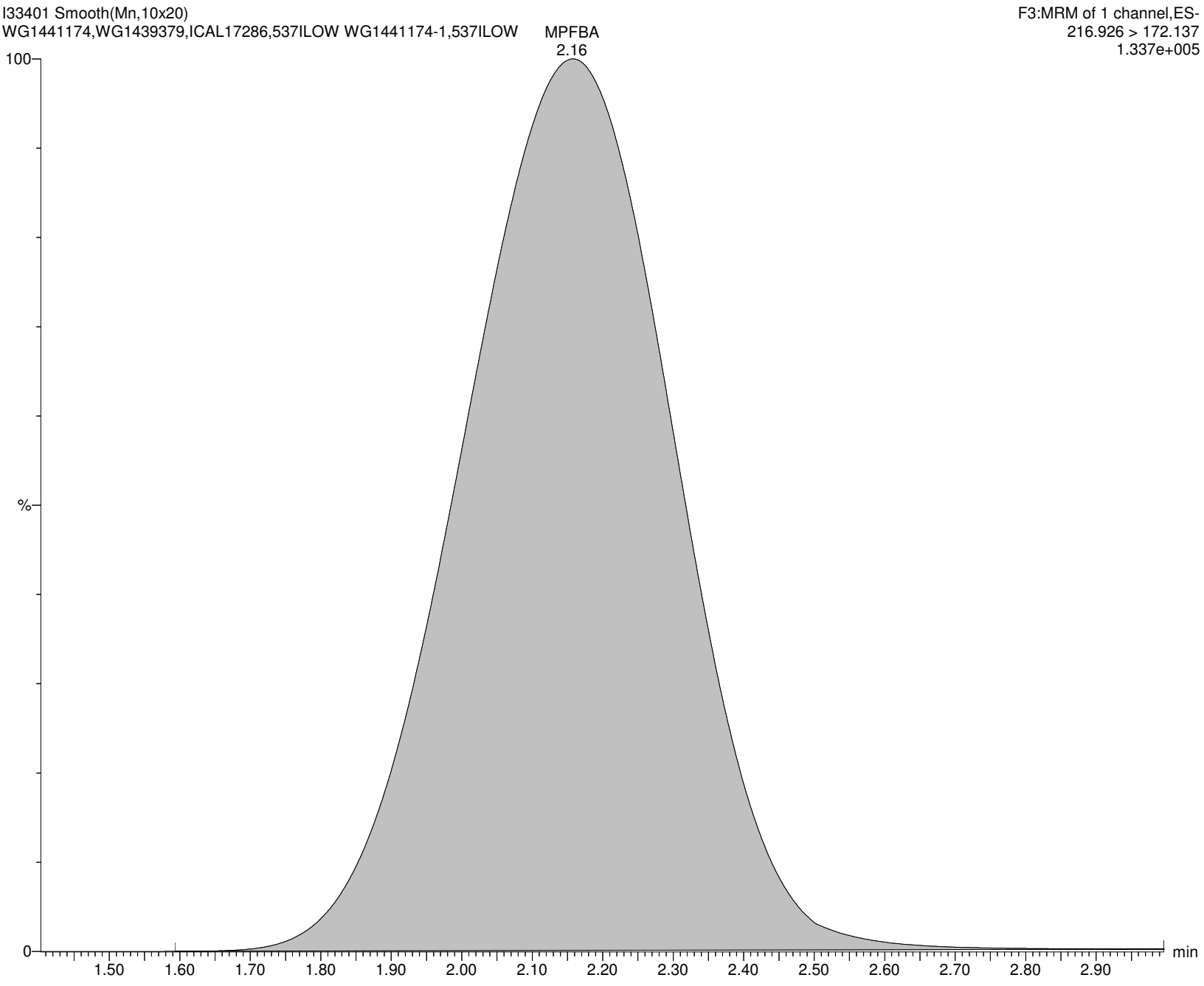

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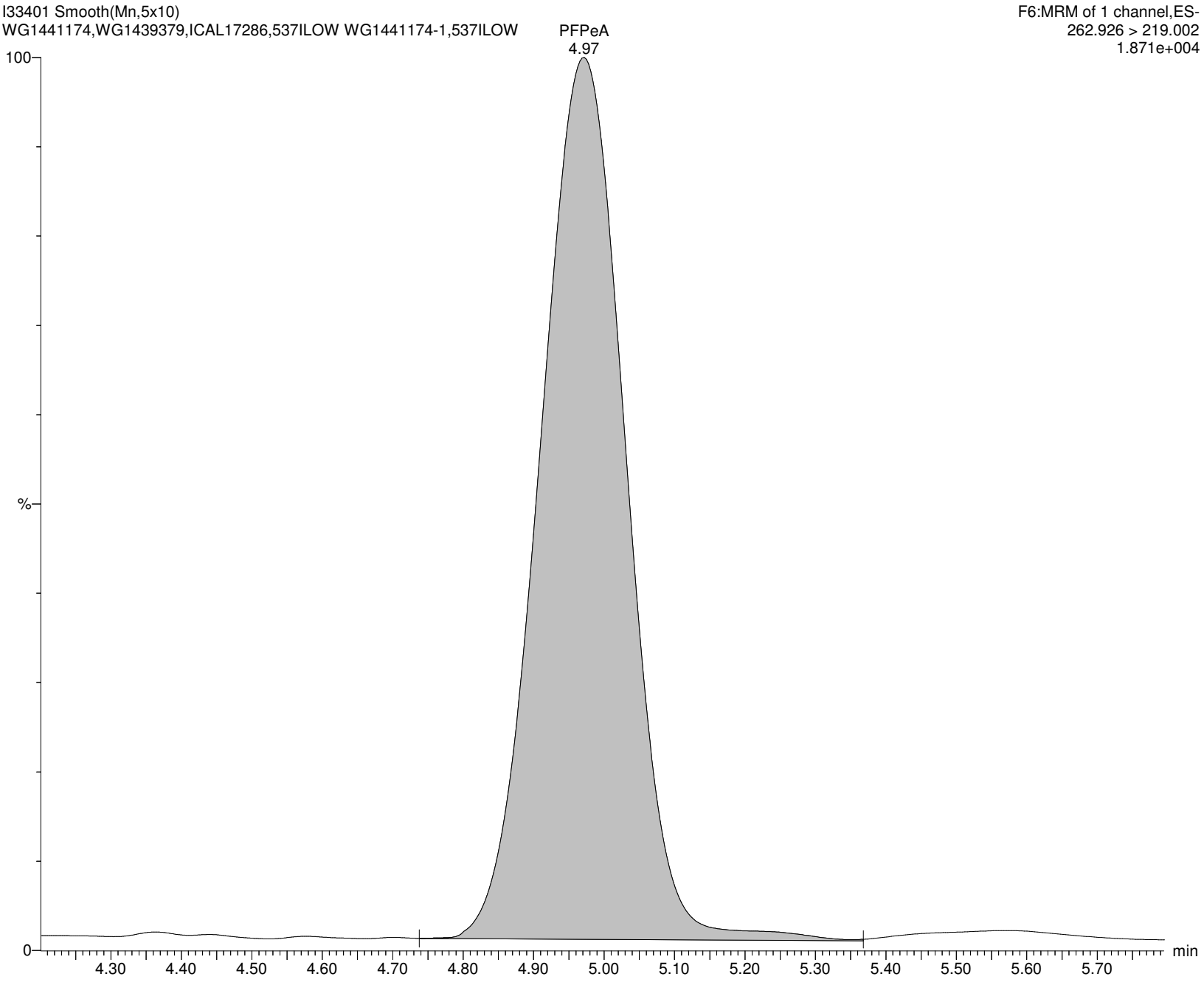

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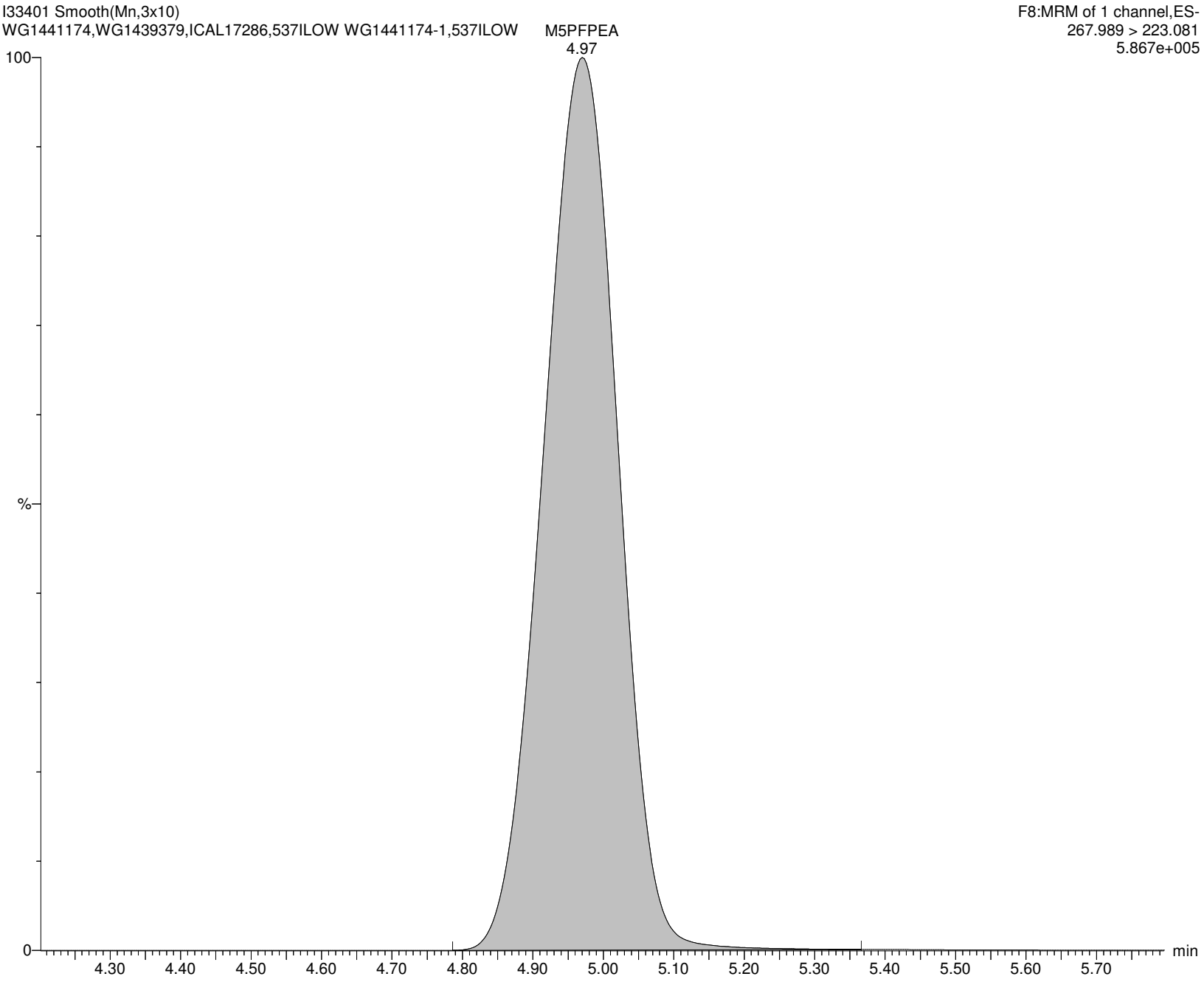

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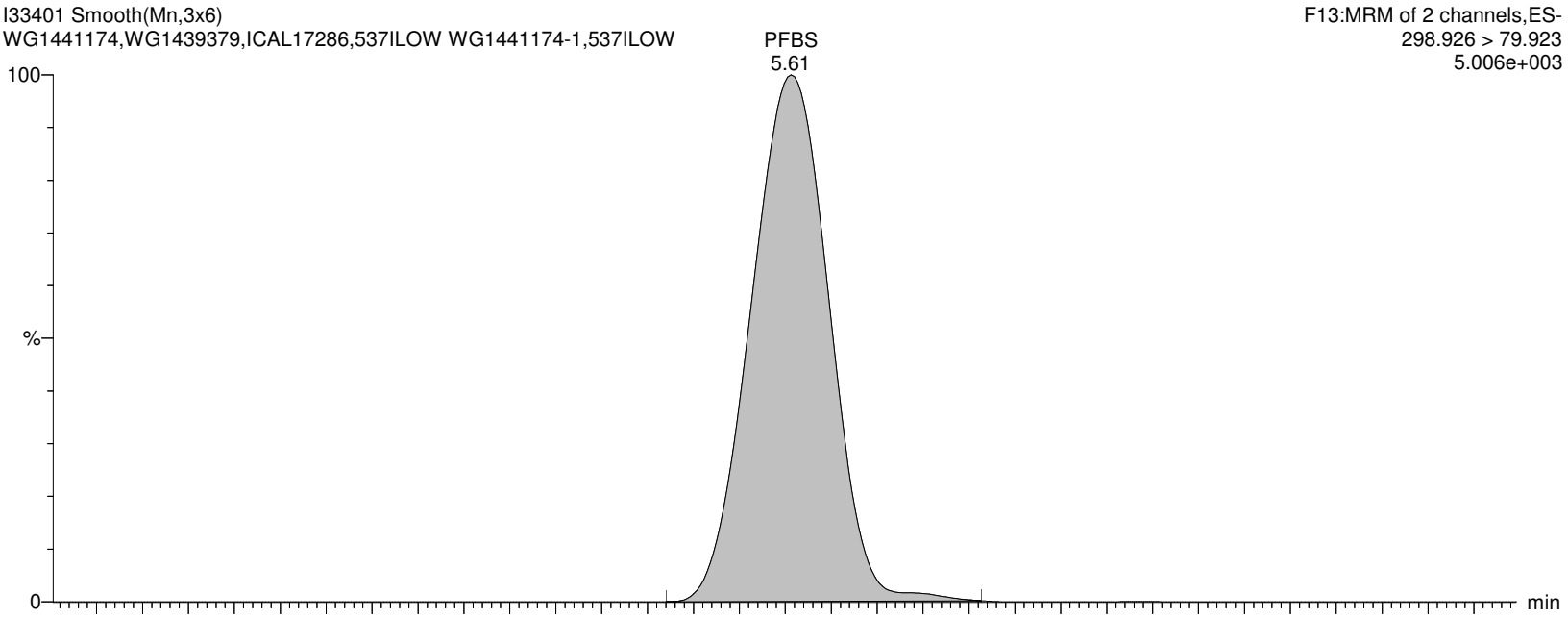

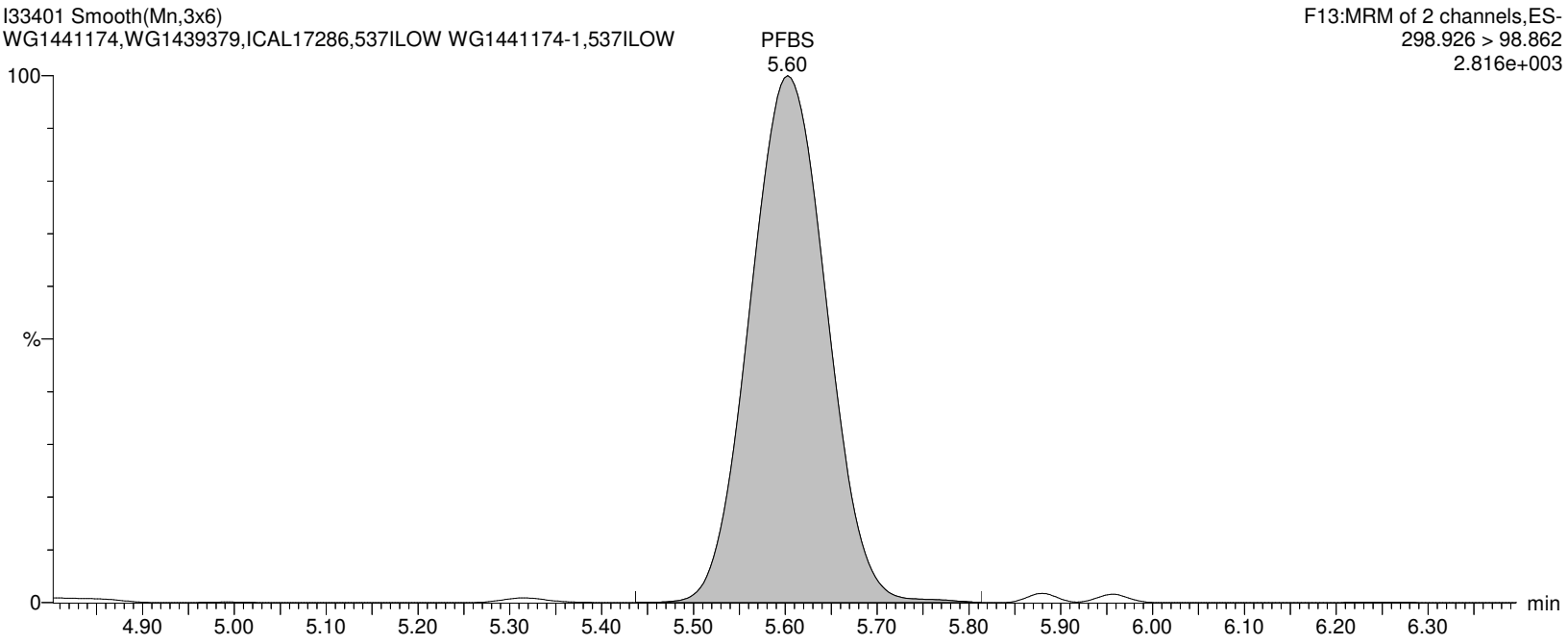

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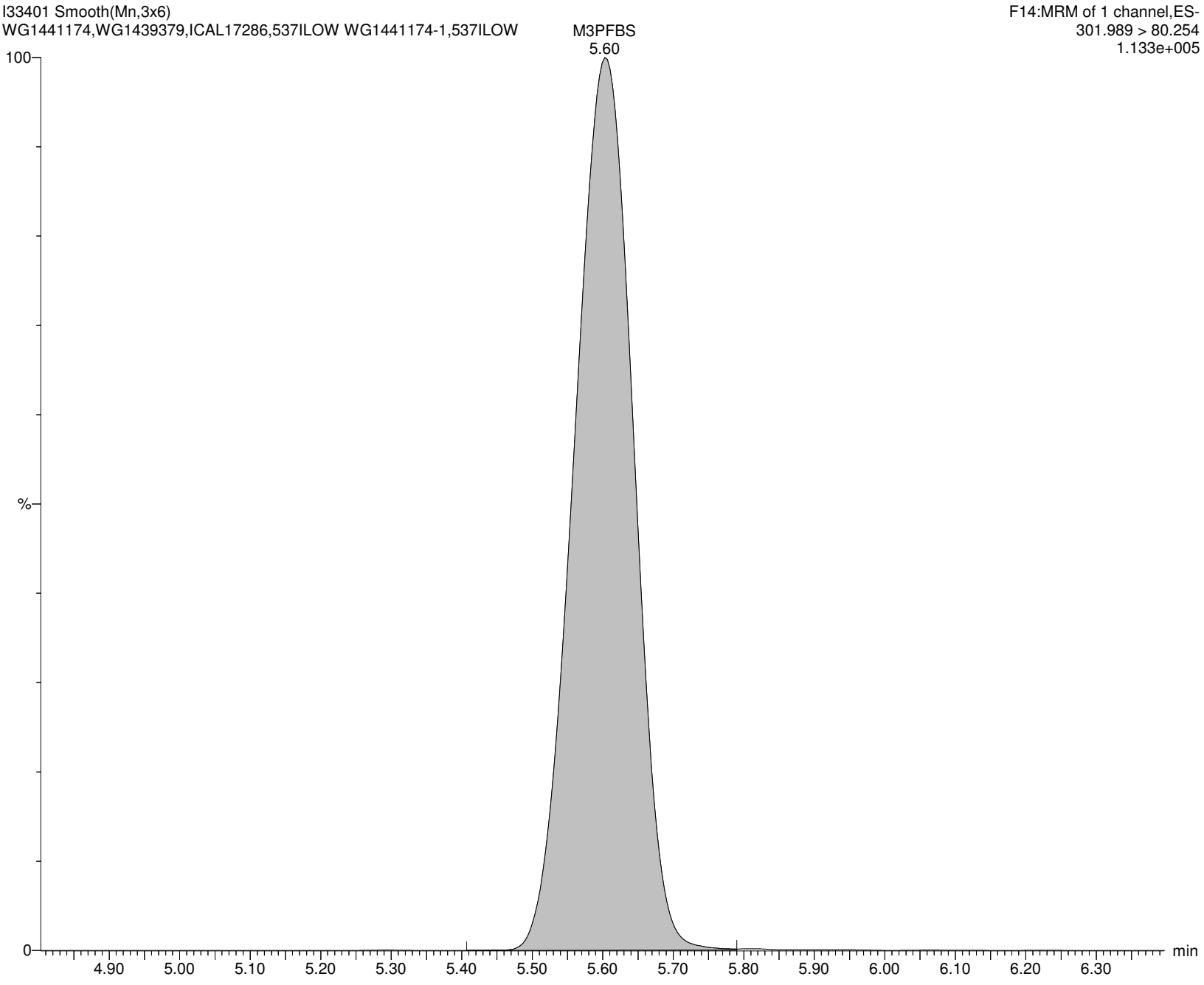

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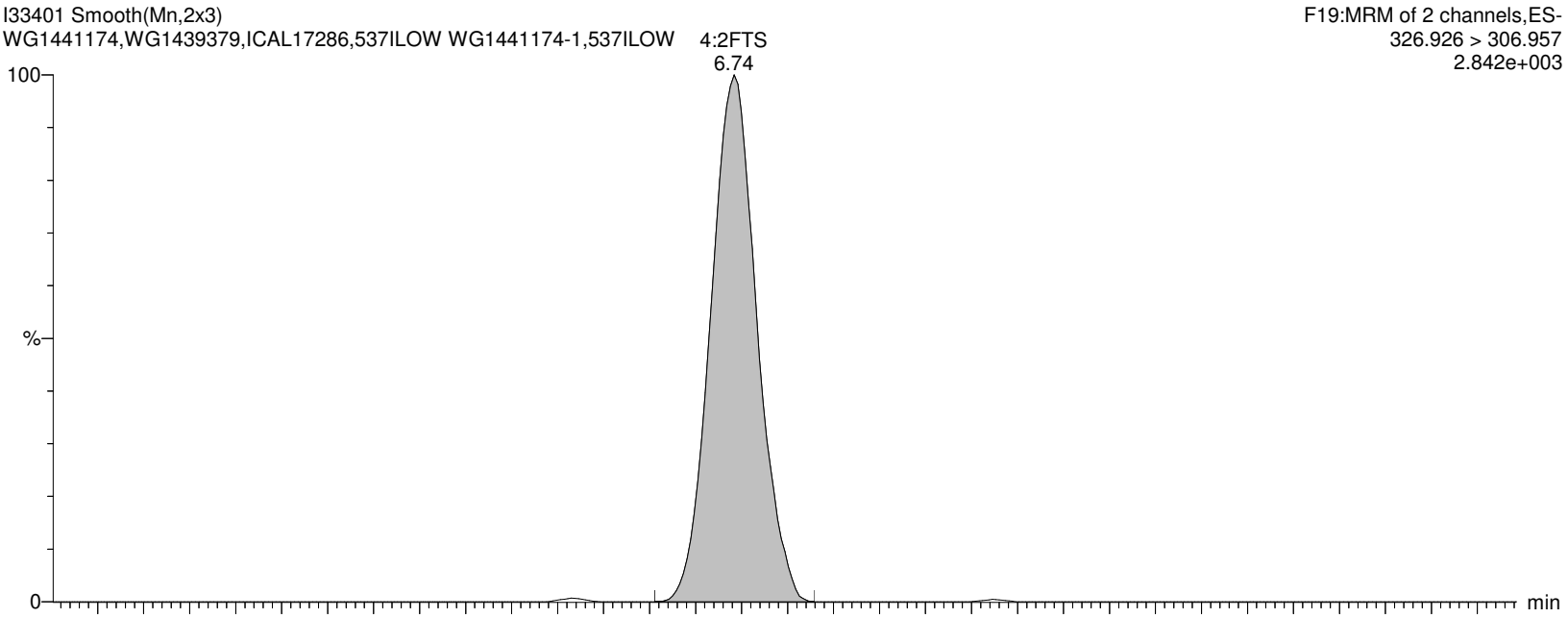

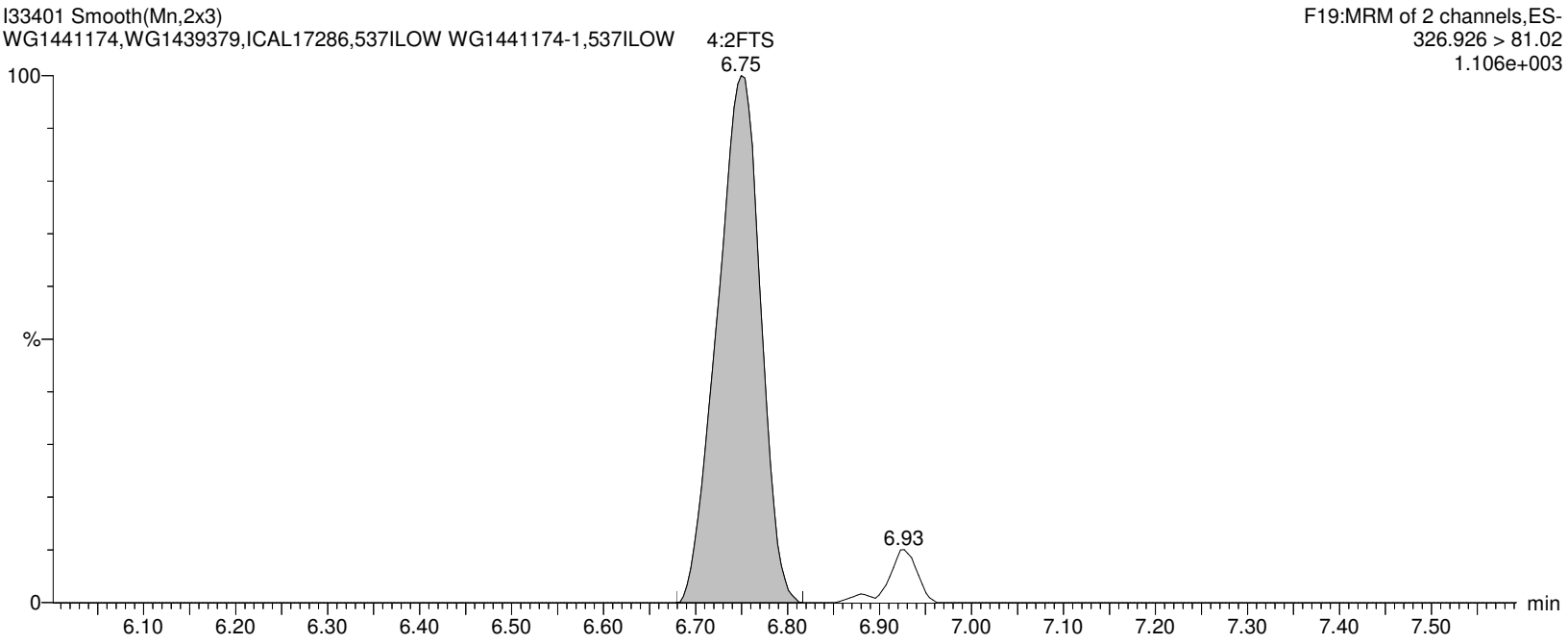

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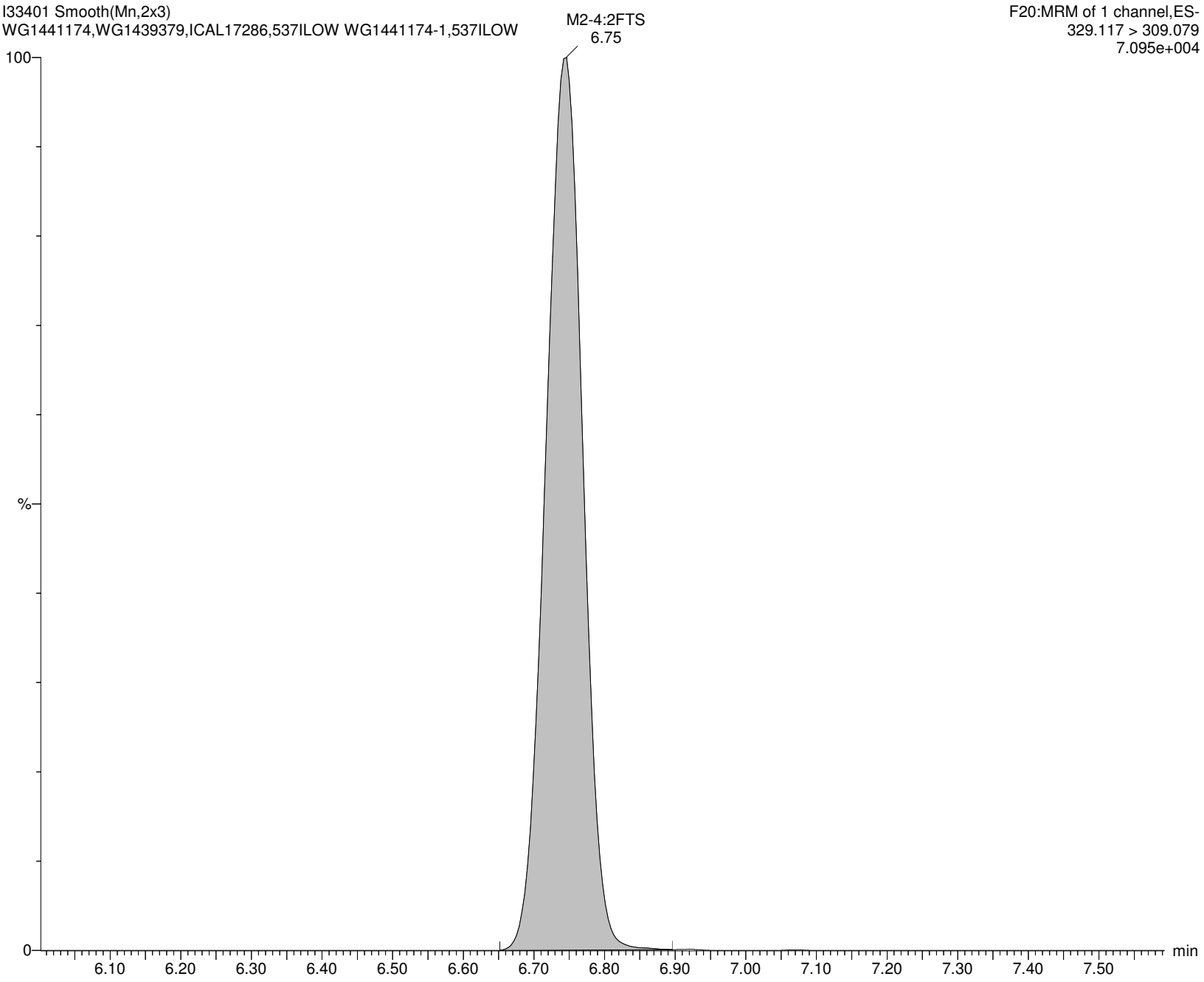

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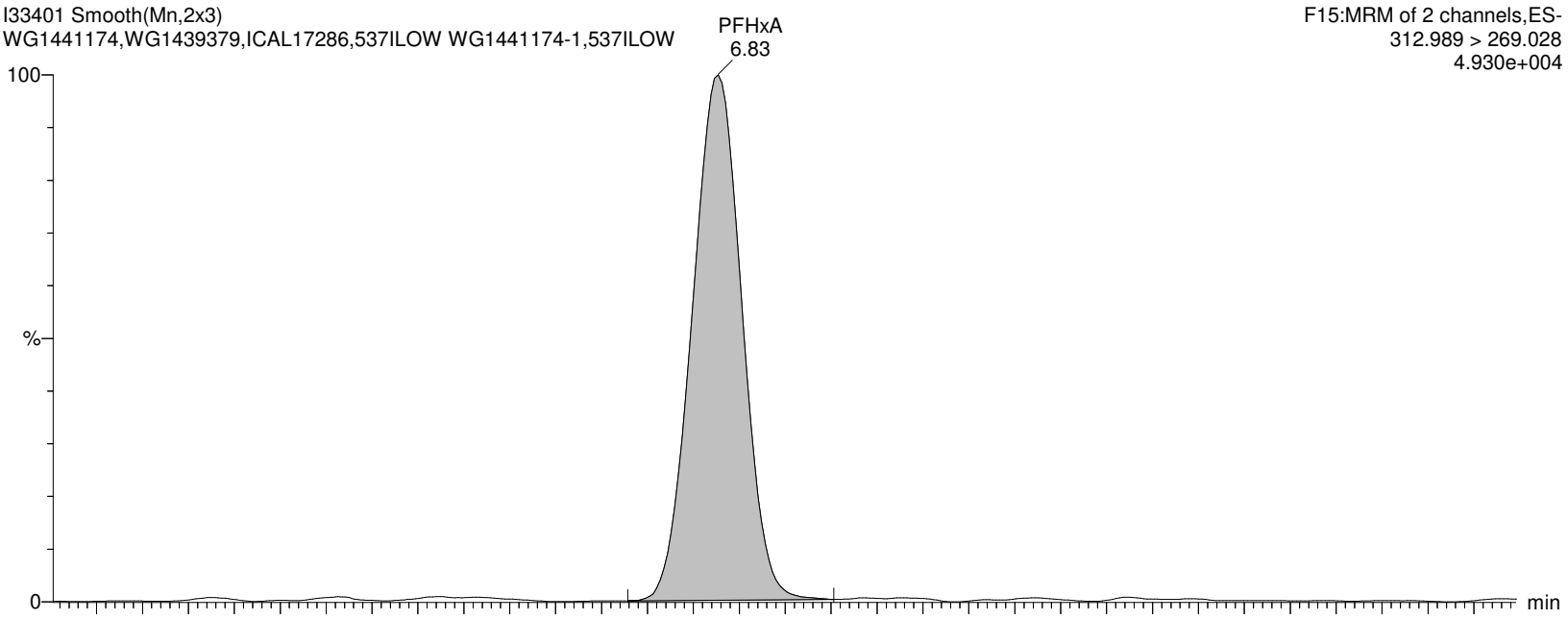

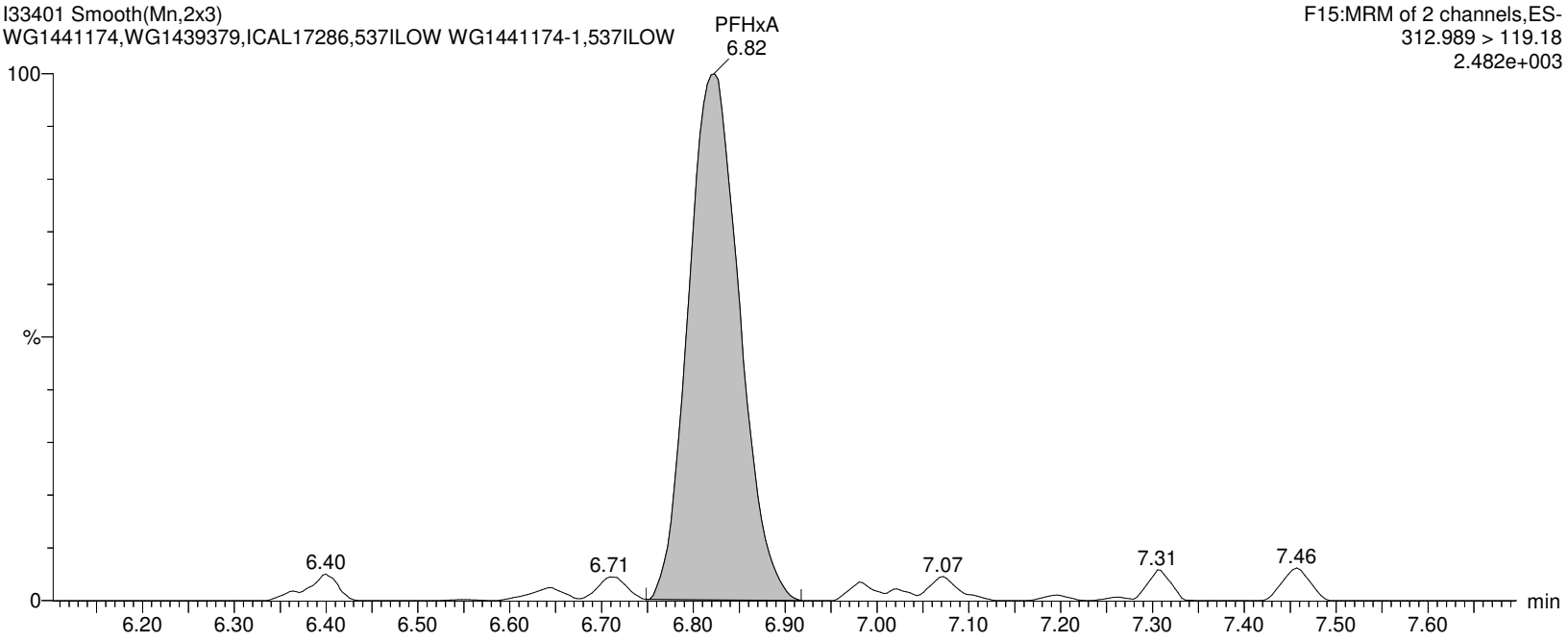

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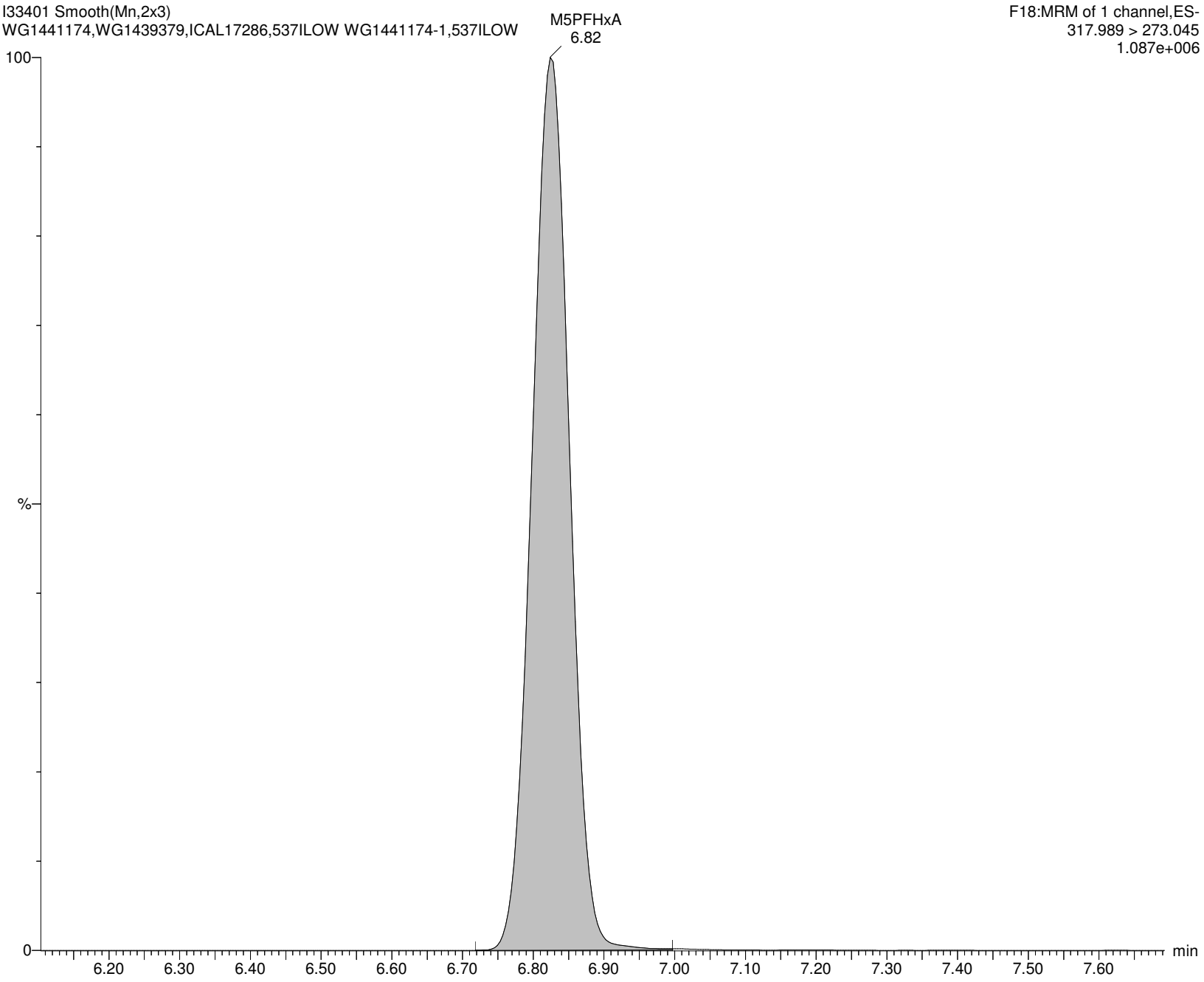

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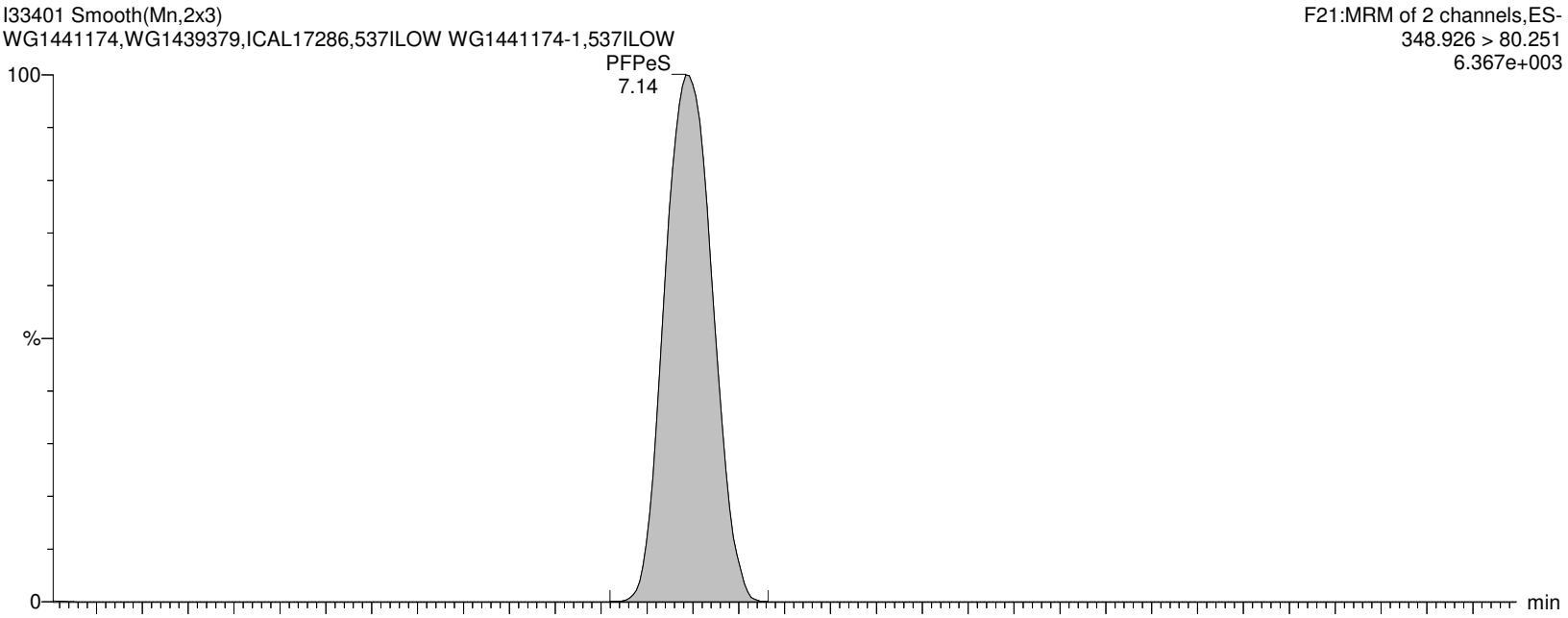

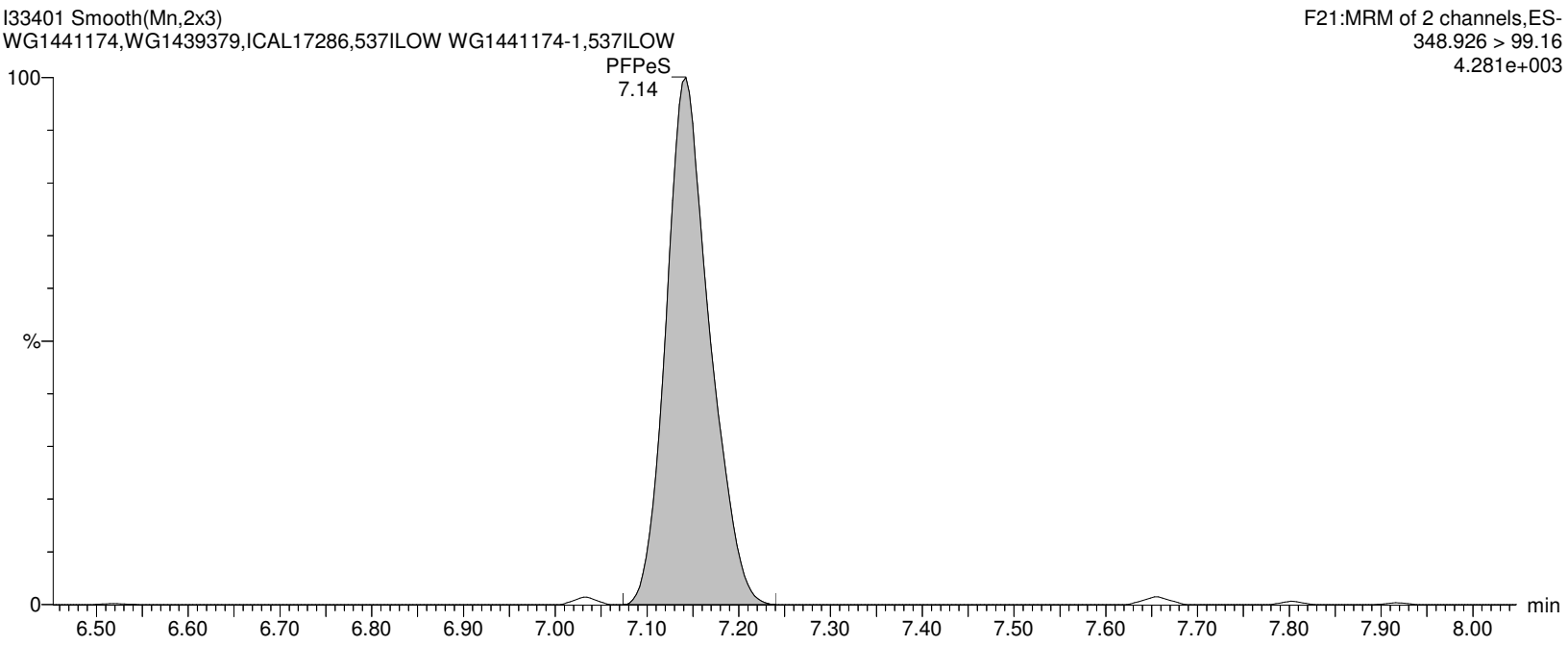

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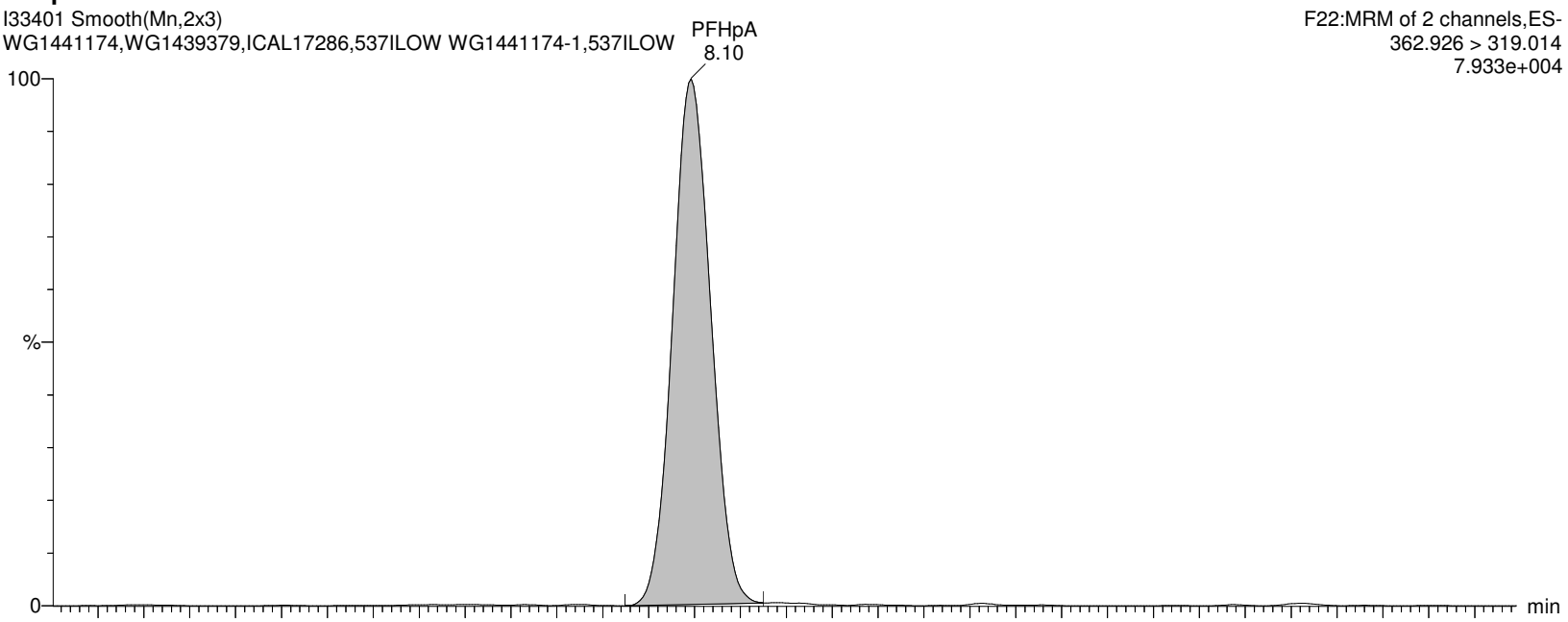
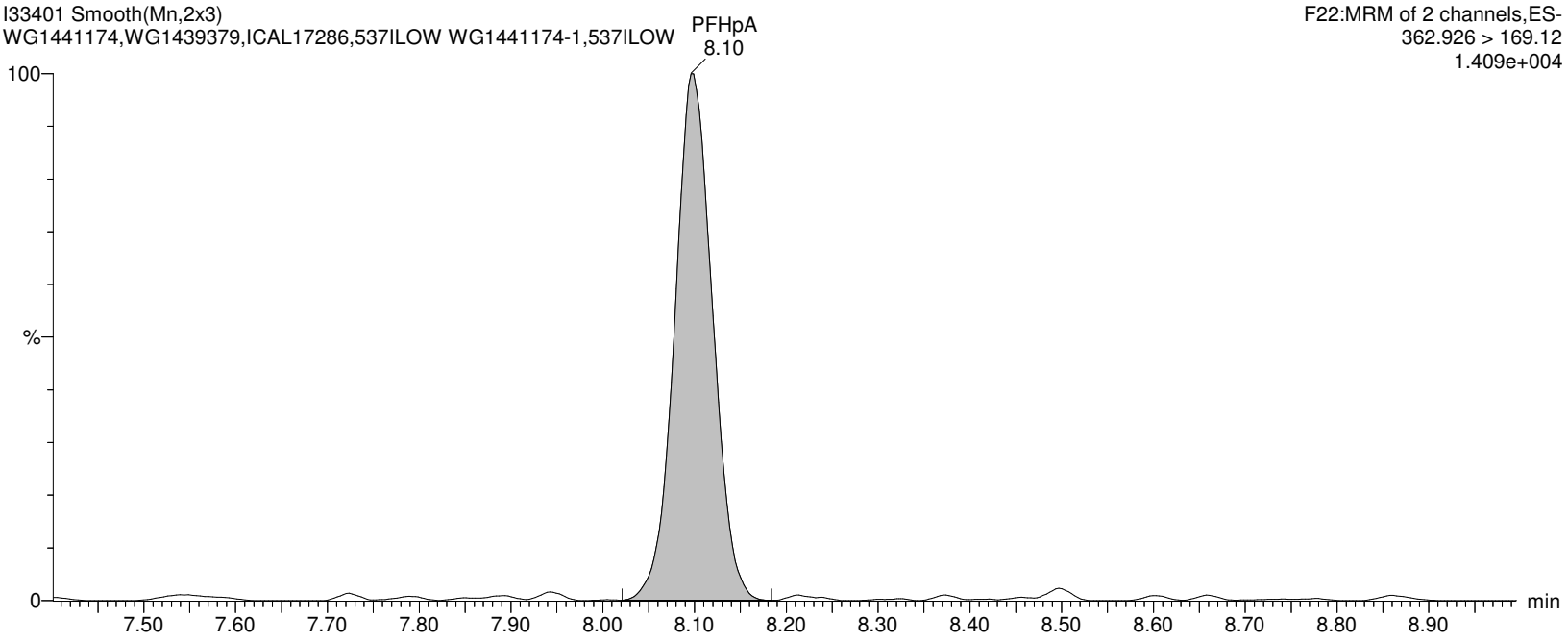
PFHpA





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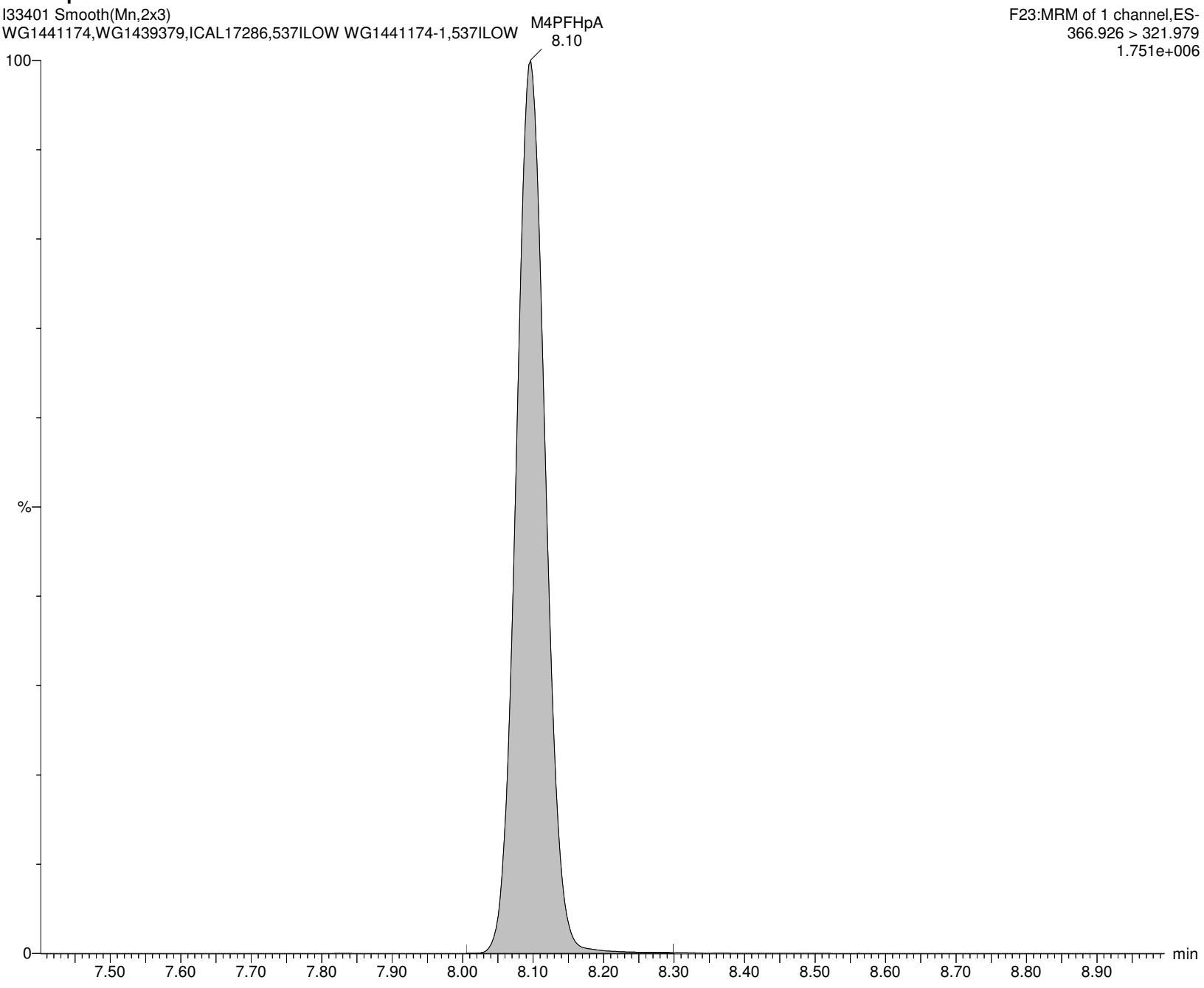

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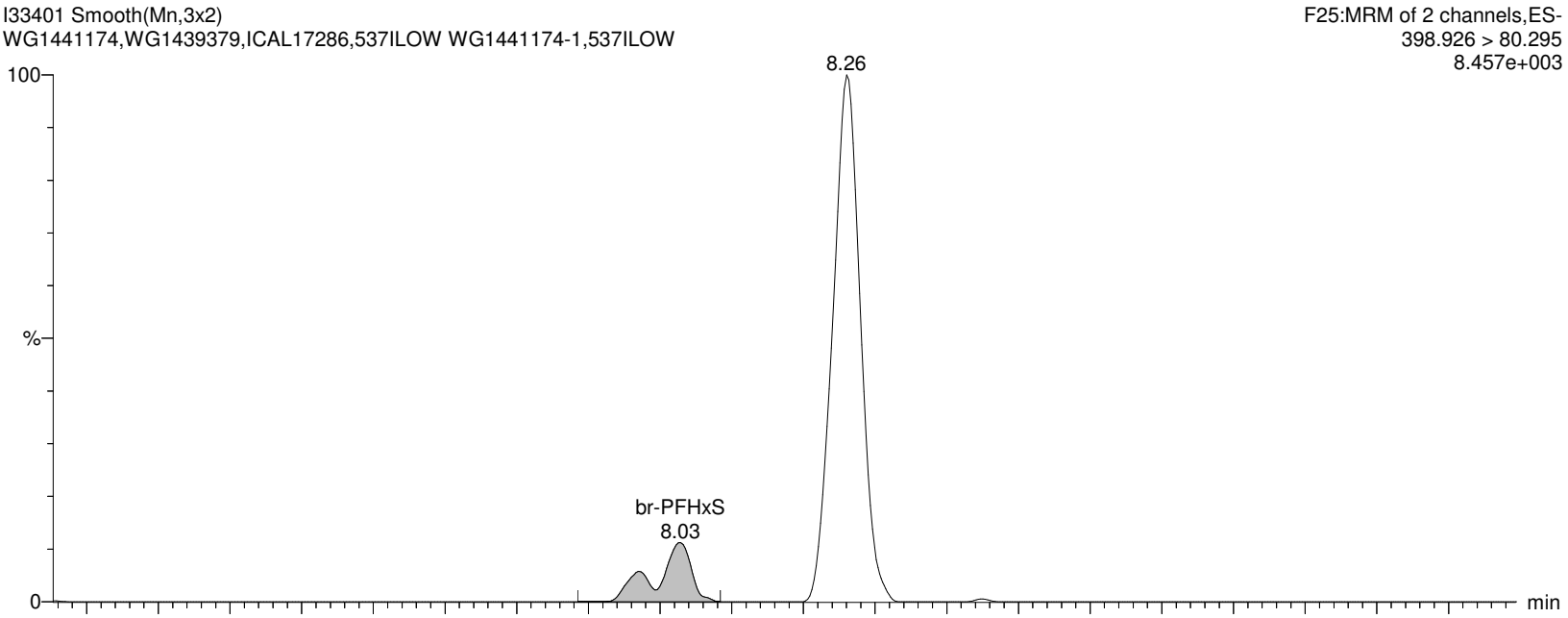
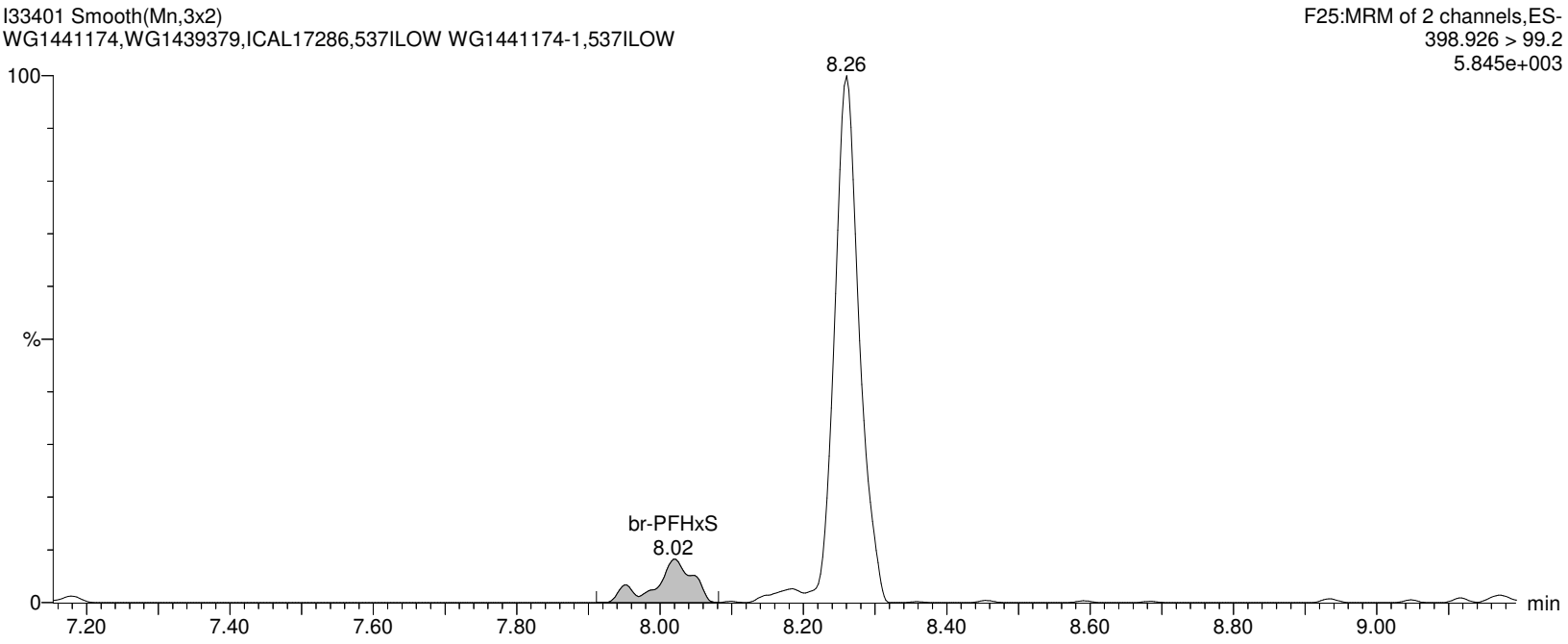
br-PFHxS





all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-1.qld
Last Altered: Sunday, December 06, 2020 21:52:18 Eastern Standard Time
Printed: Sunday, December 06, 2020 21:52:38 Eastern Standard Time

Name: I33401
ID: WG1441174-1,537ILOW
Date: 04-Dec-2020
Time: 11:22:11
Description: WG1441174,WG1439379,ICAL17286,537ILOW
User: LCMS02:JW
Vial: 1:A,2
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
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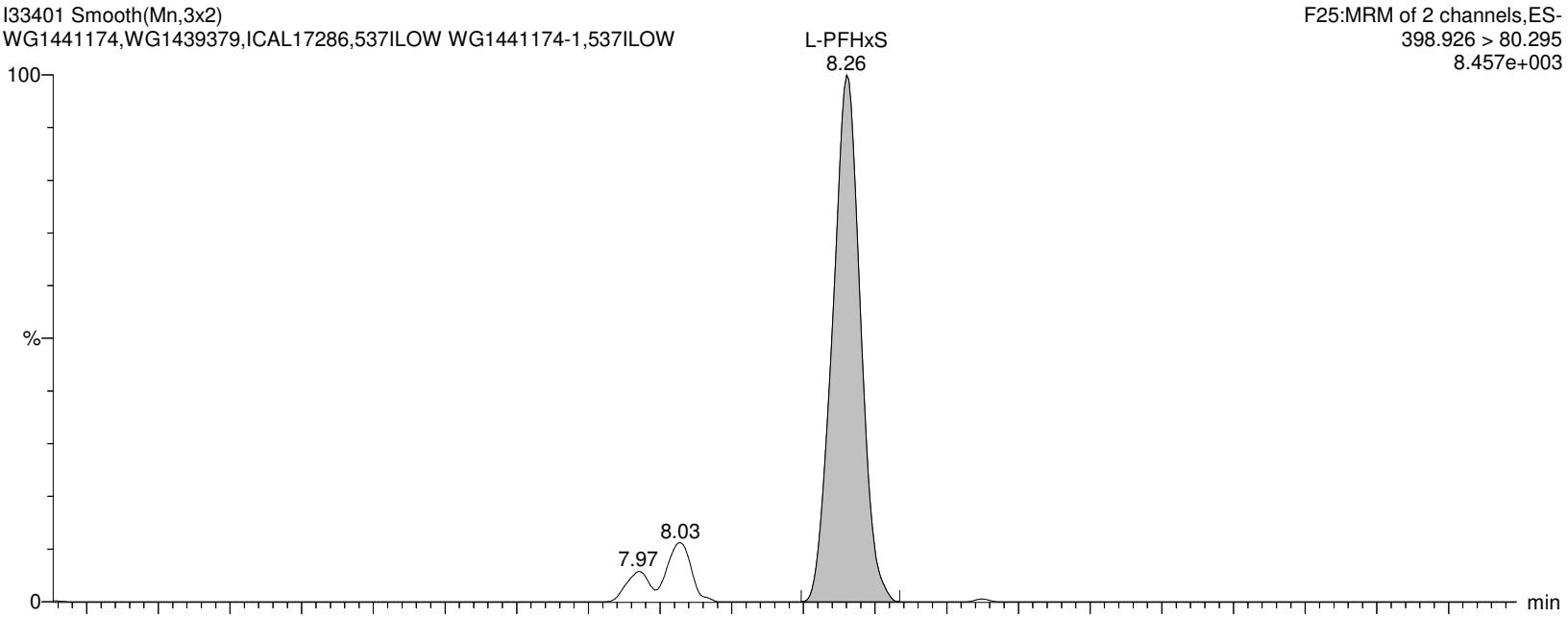

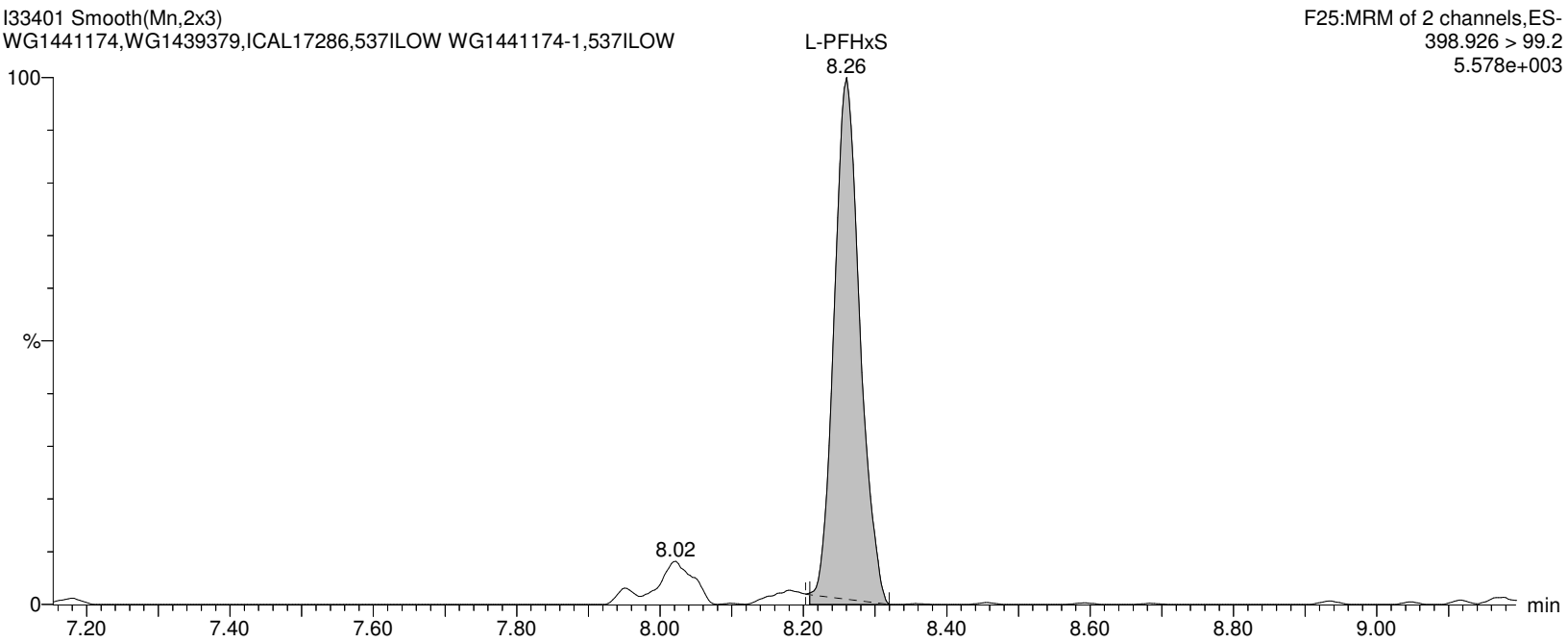

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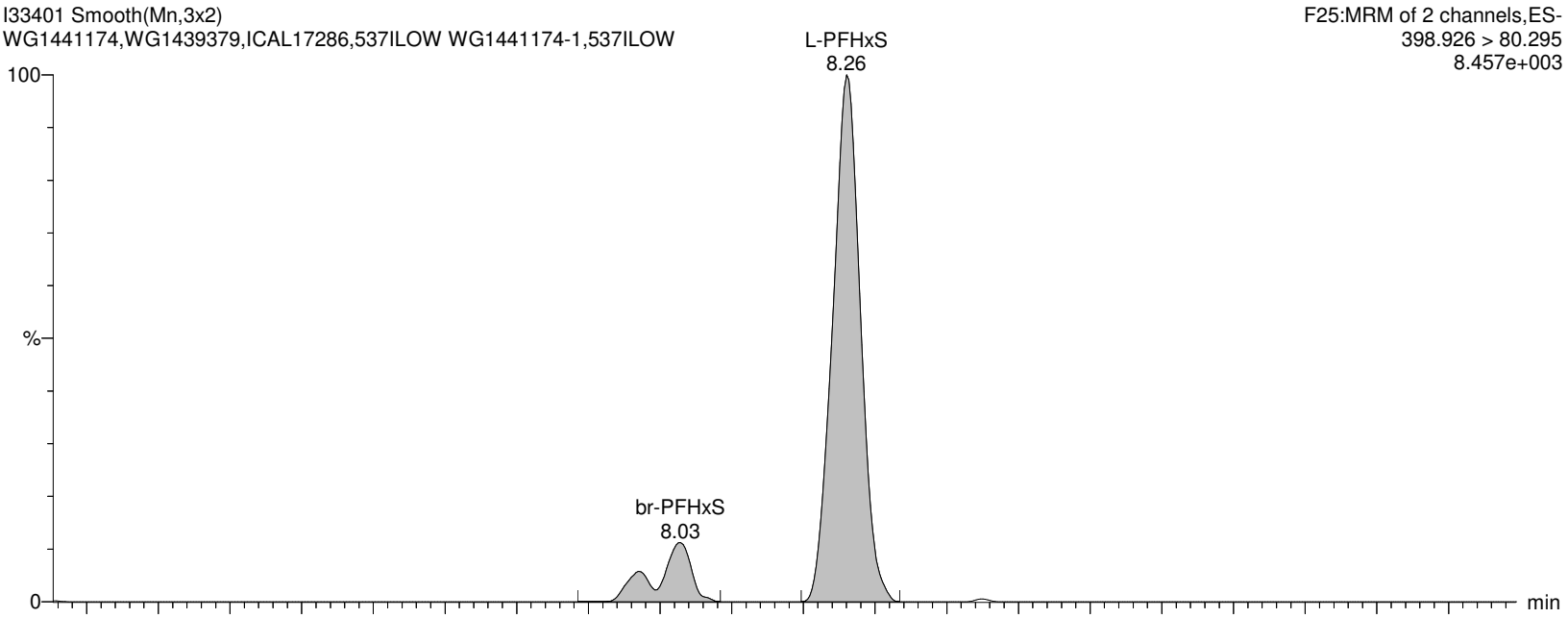

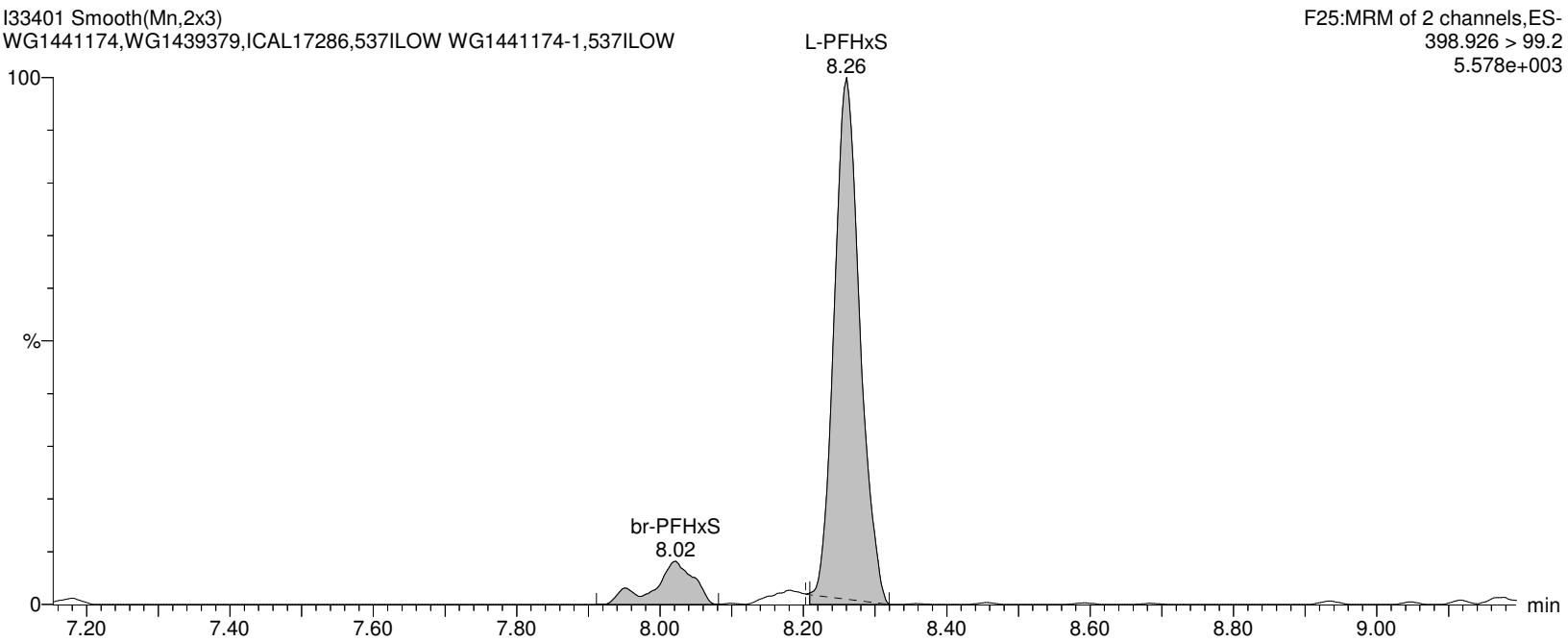

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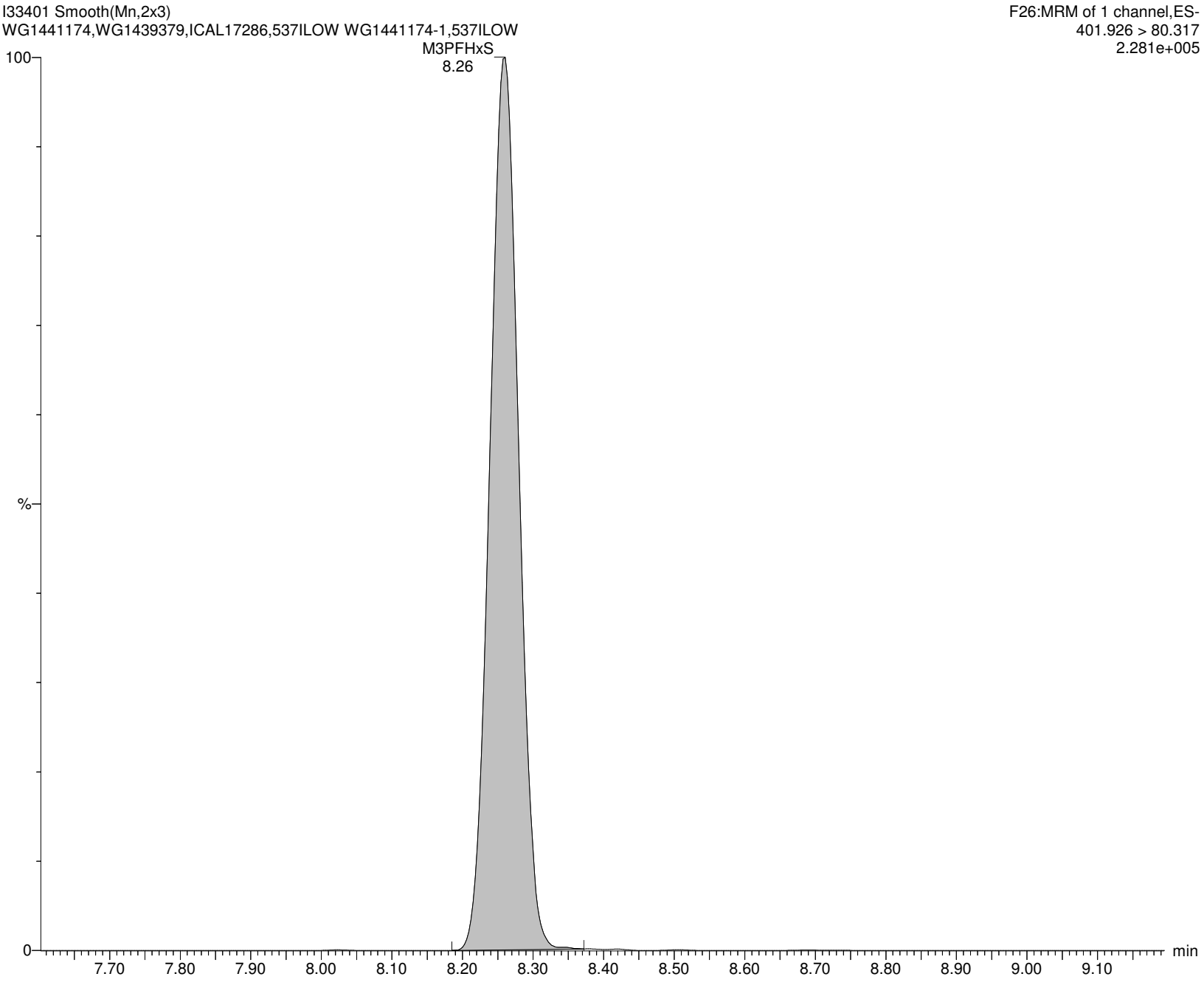

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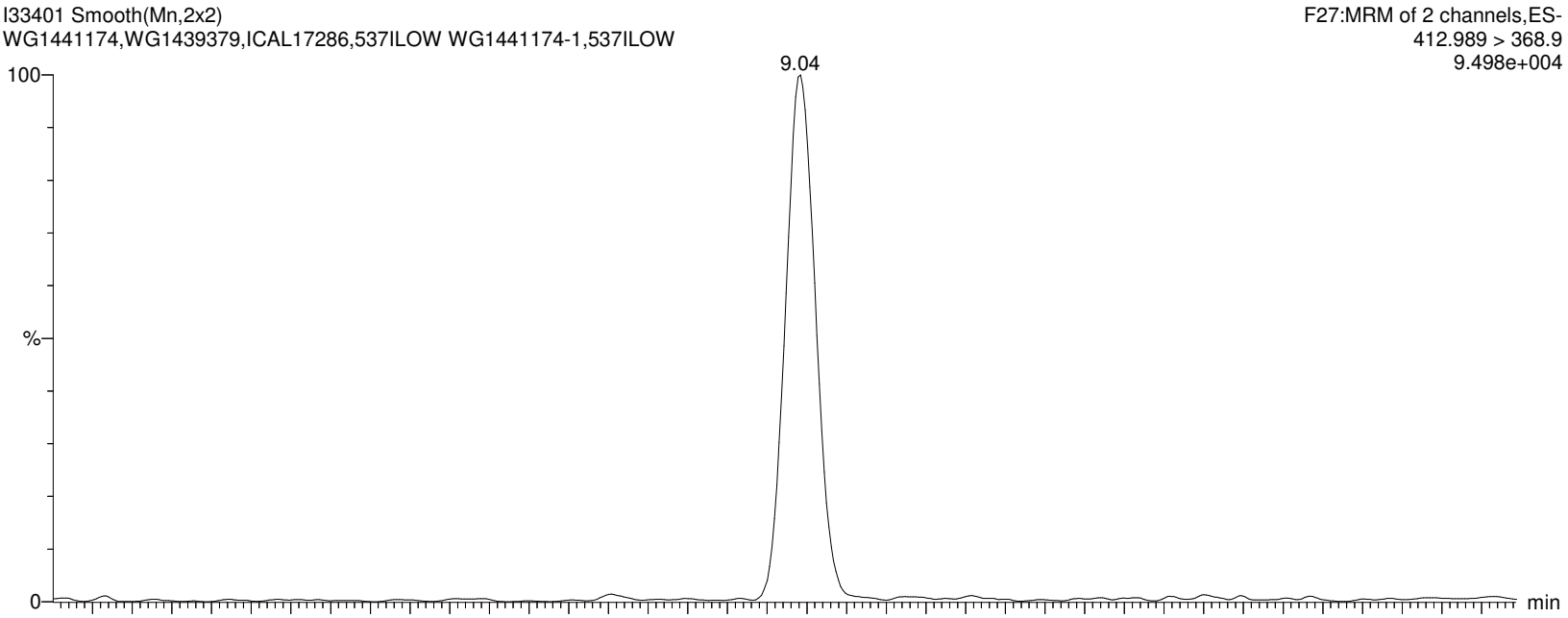

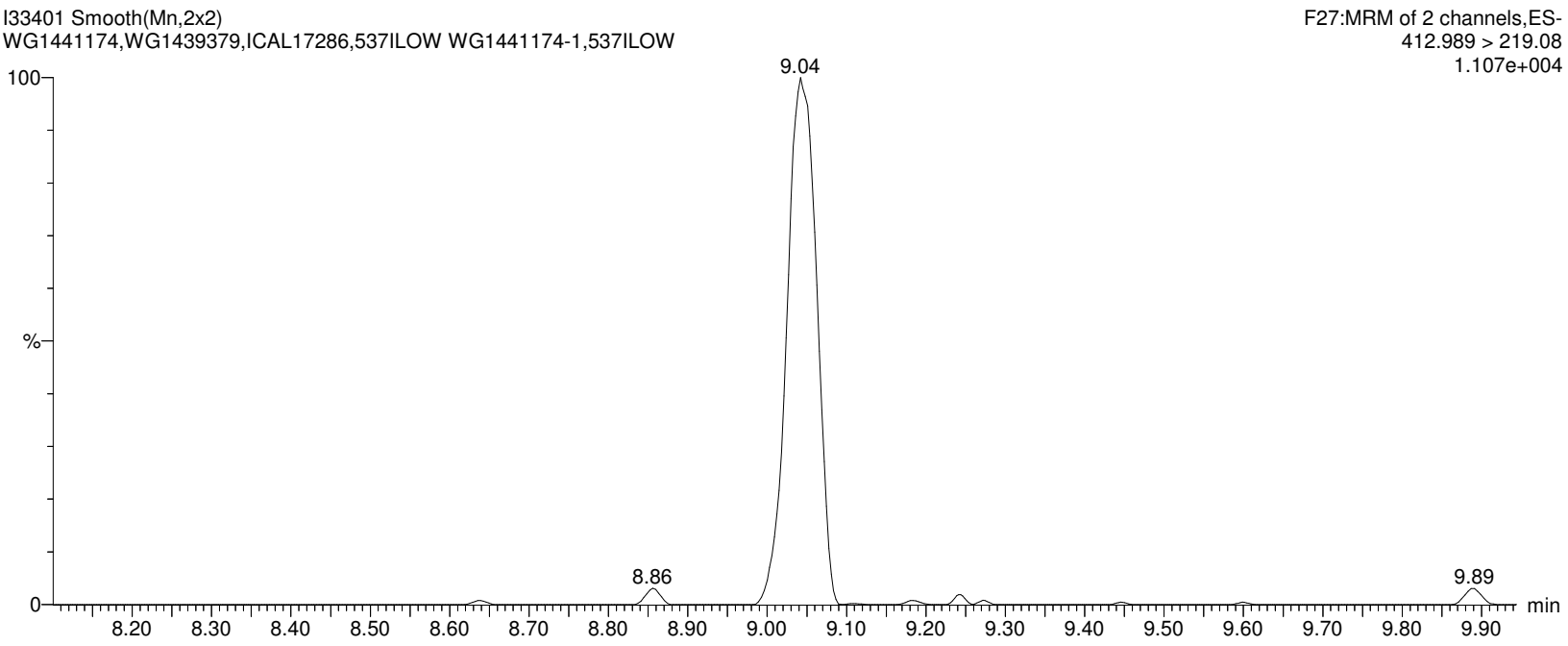

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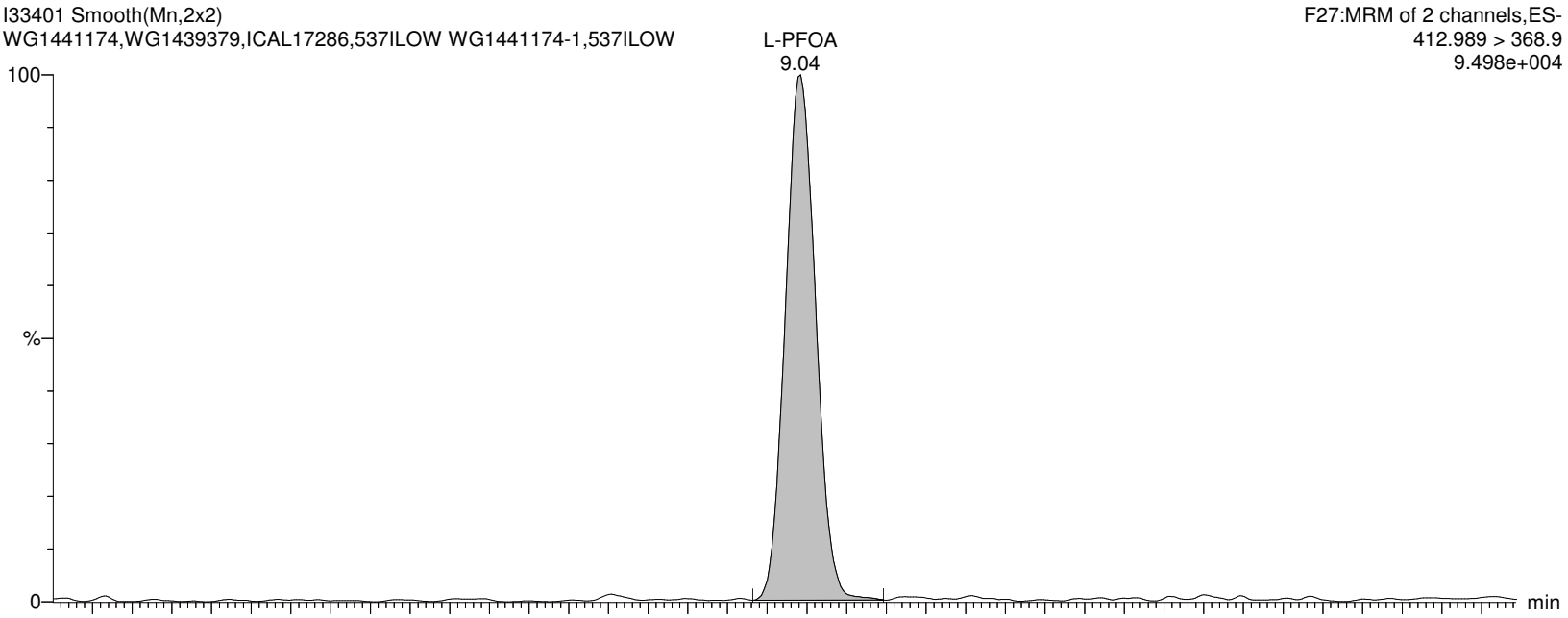

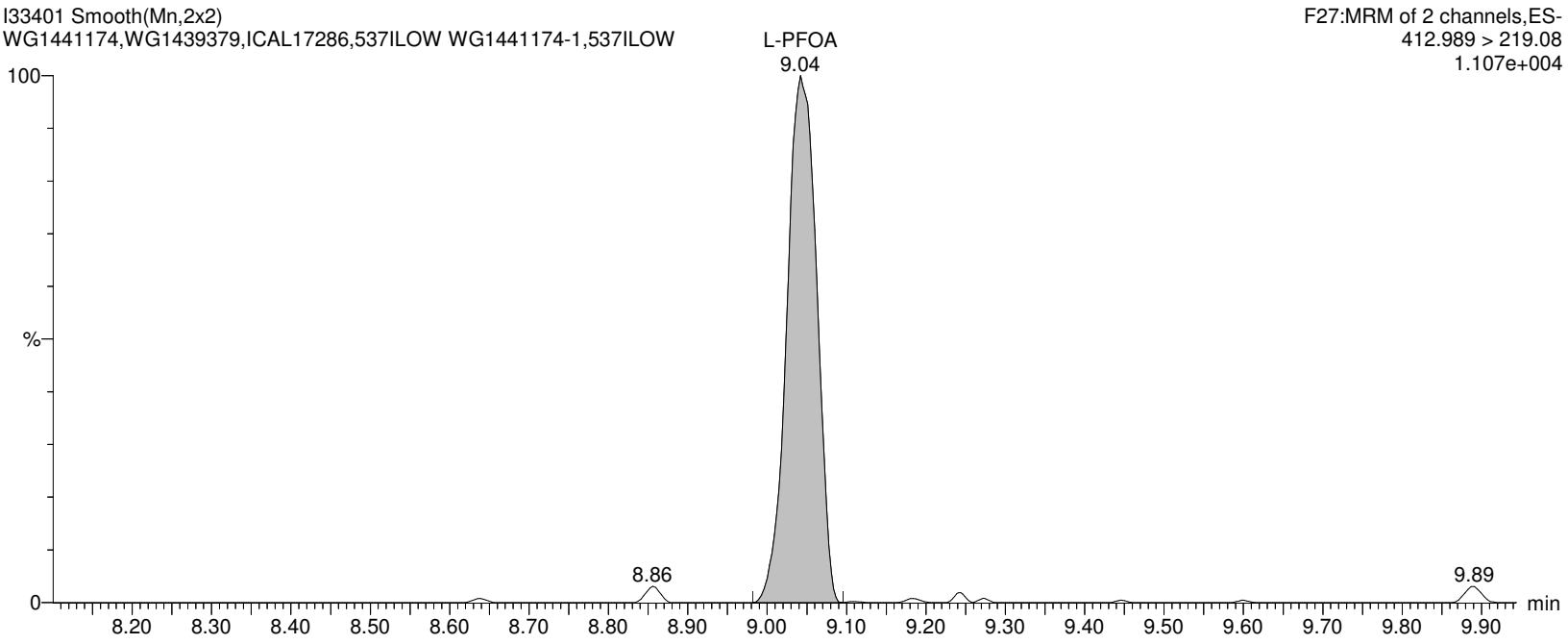

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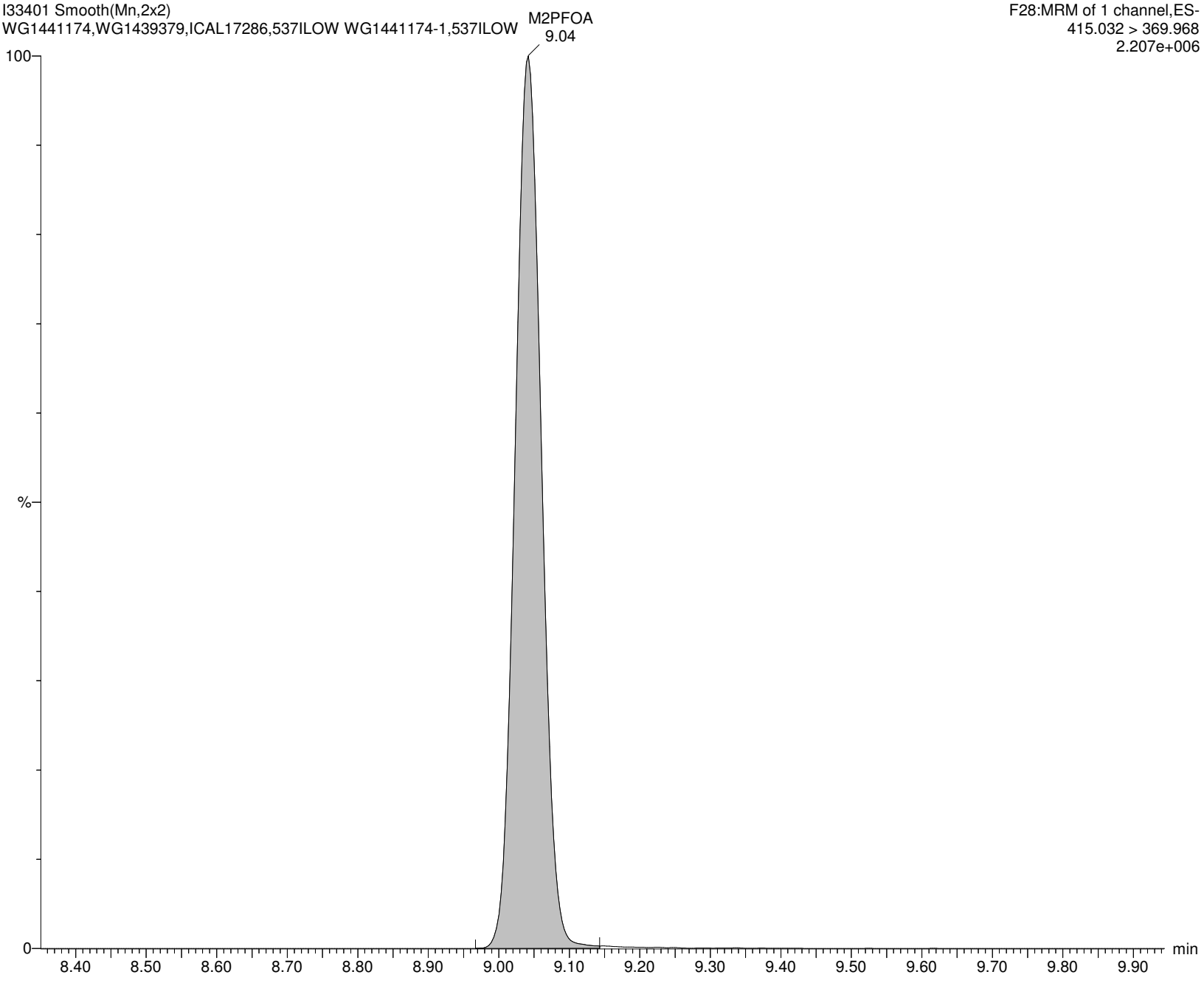

all concentration units in (ng/mL)

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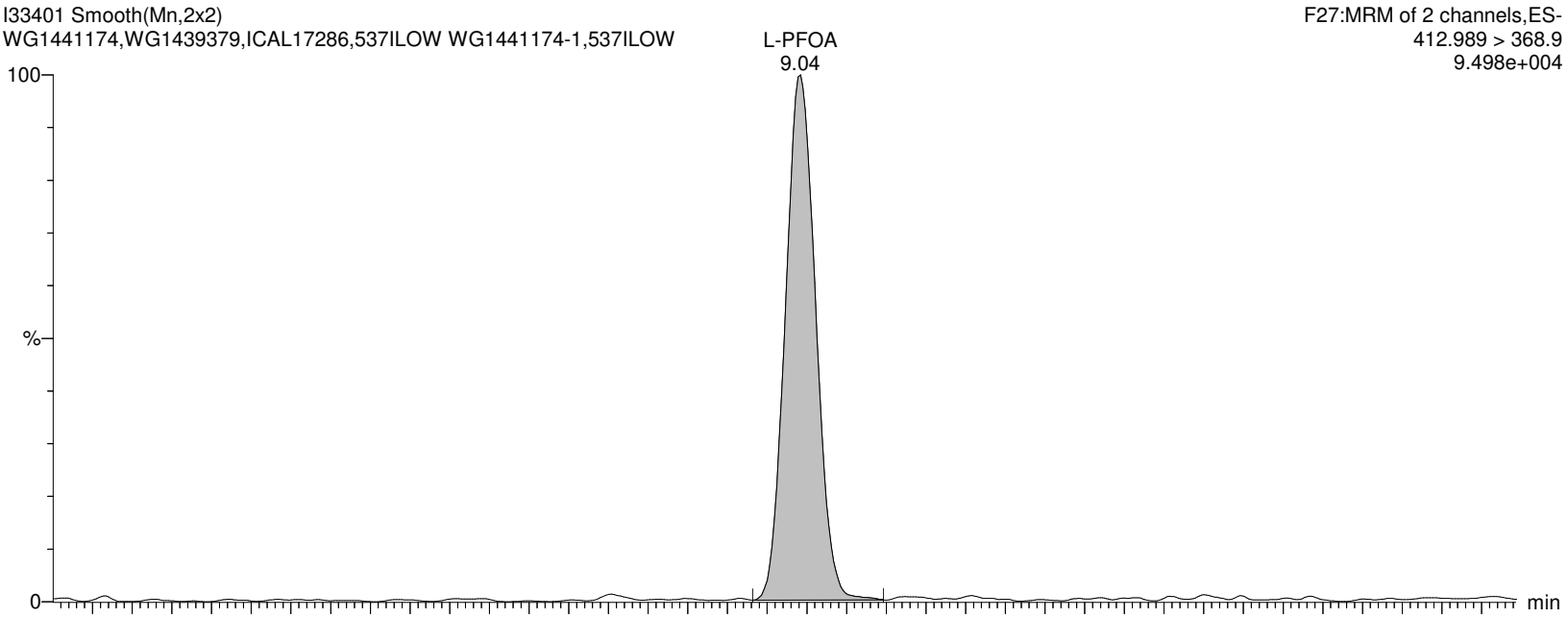

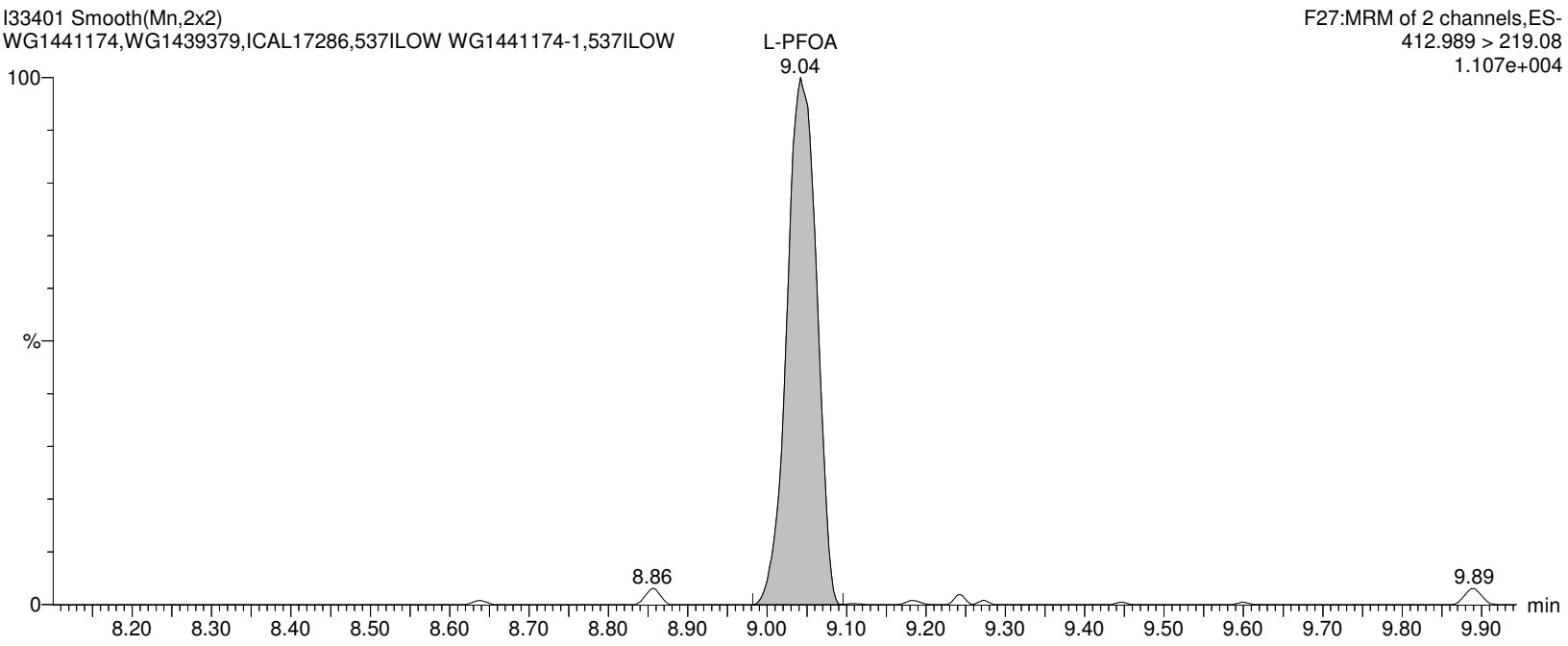

all concentration units in (ng/mL)

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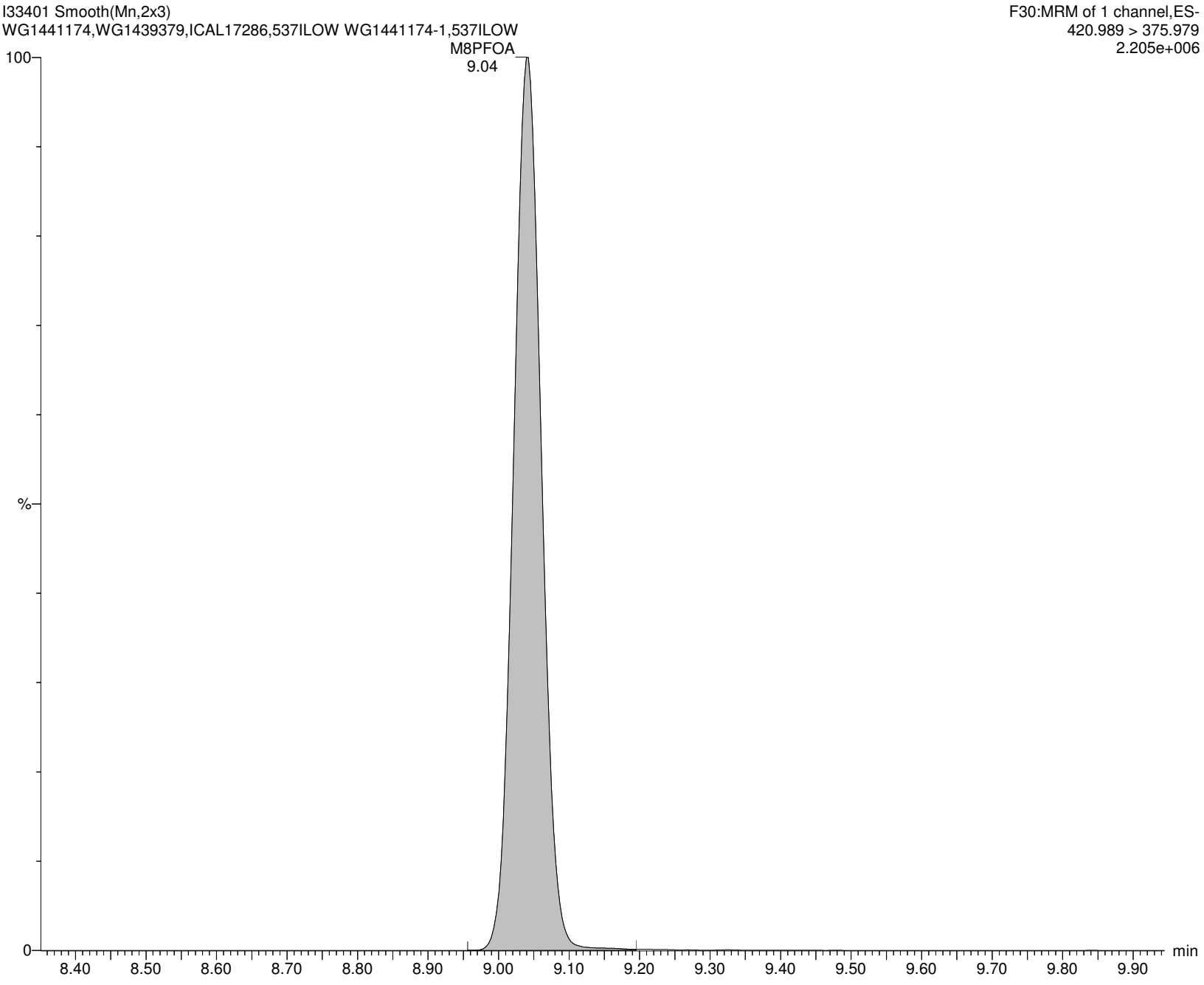

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-1.qld
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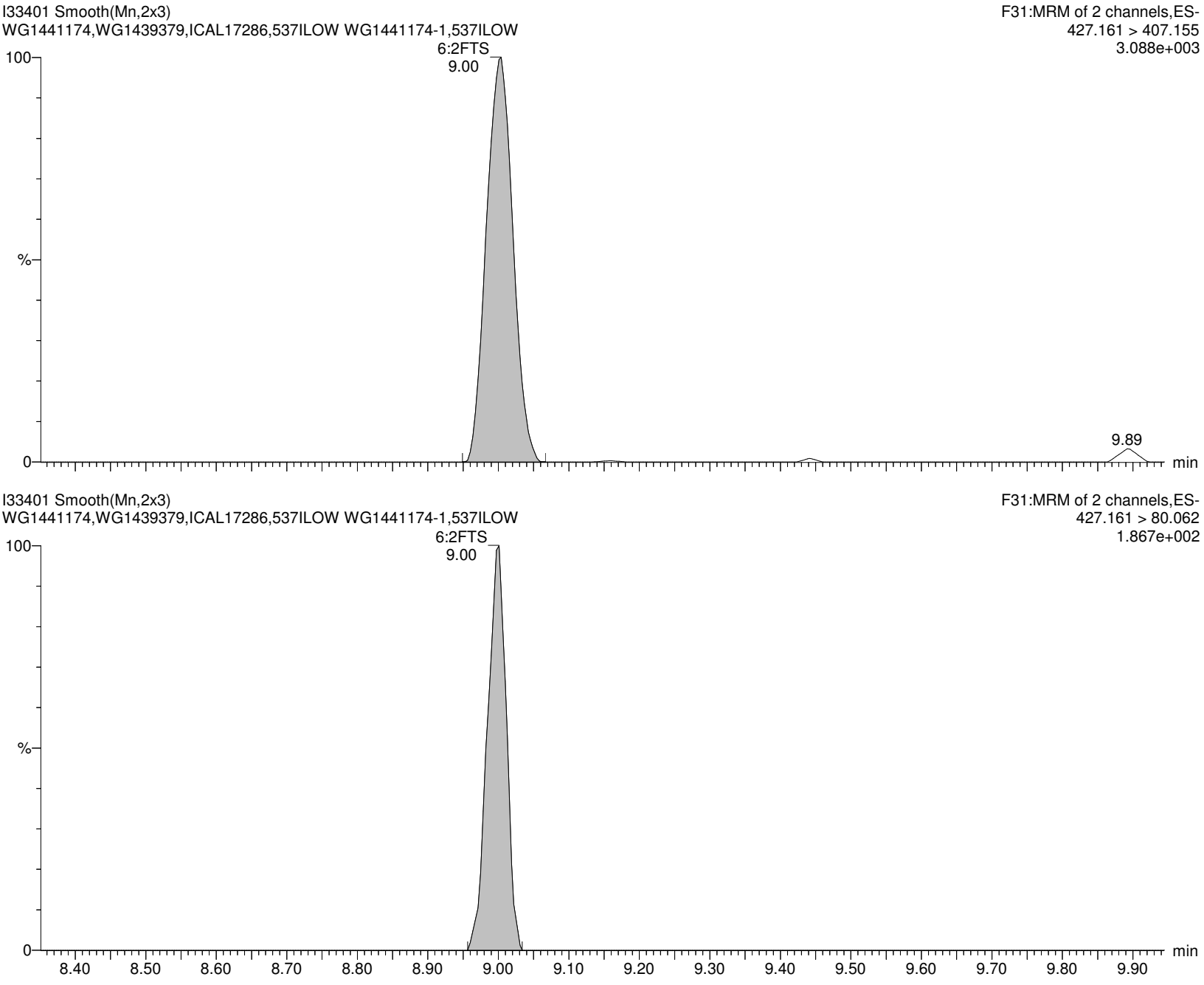

all concentration units in (ng/mL)

Alpha Analytical Inc.
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User: LCMS02:JW
Vial: 1:A,2
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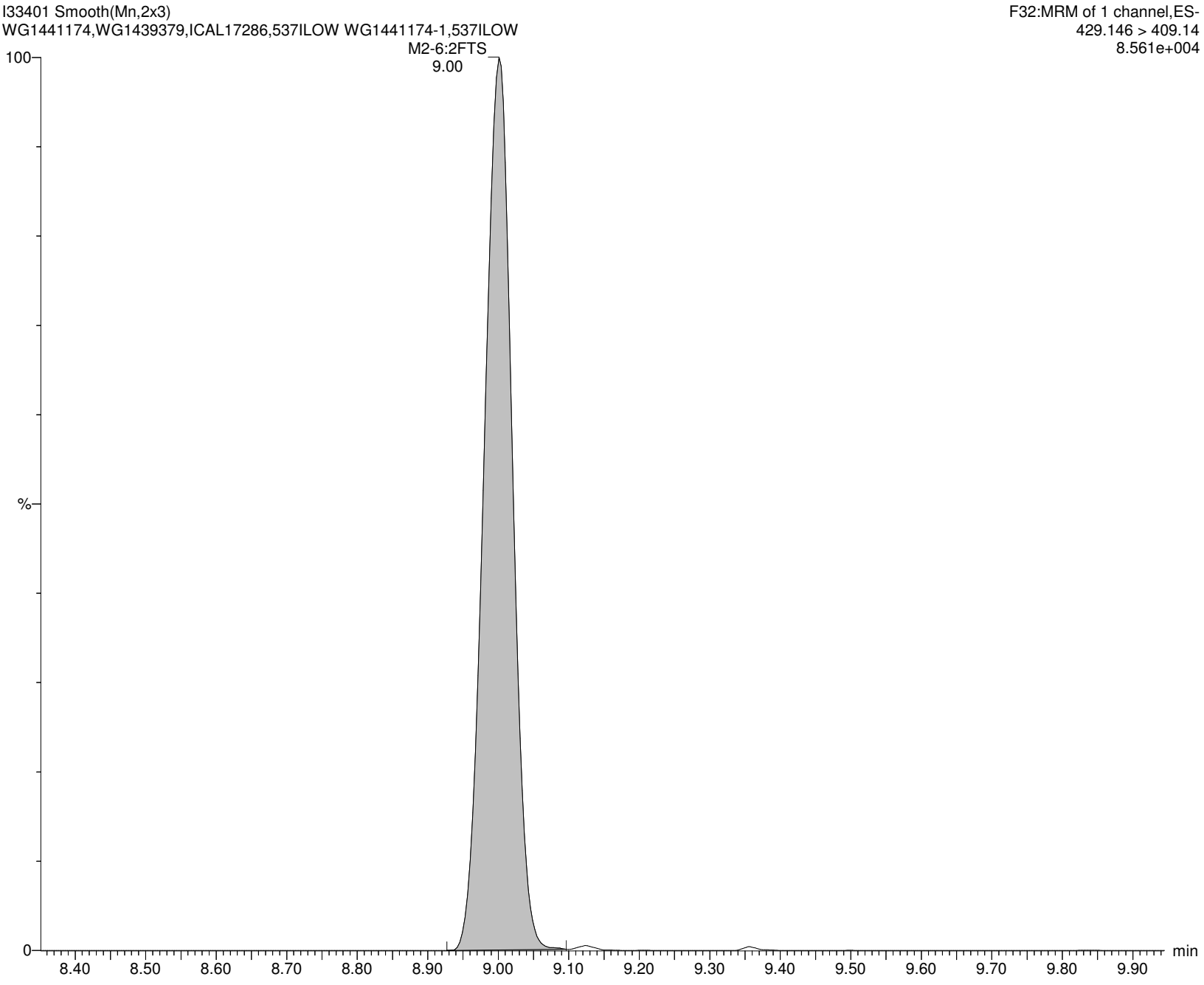
M2-6:2FTS



all concentration units in (ng/mL)

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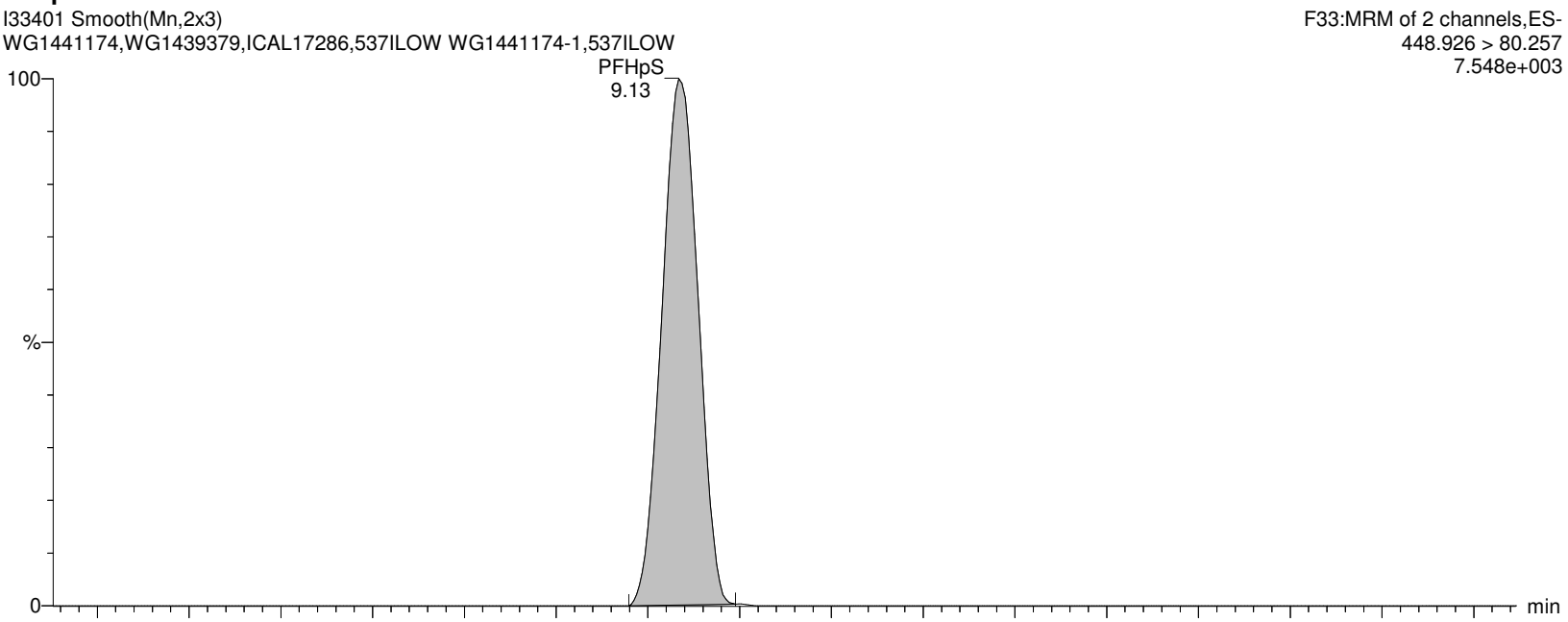

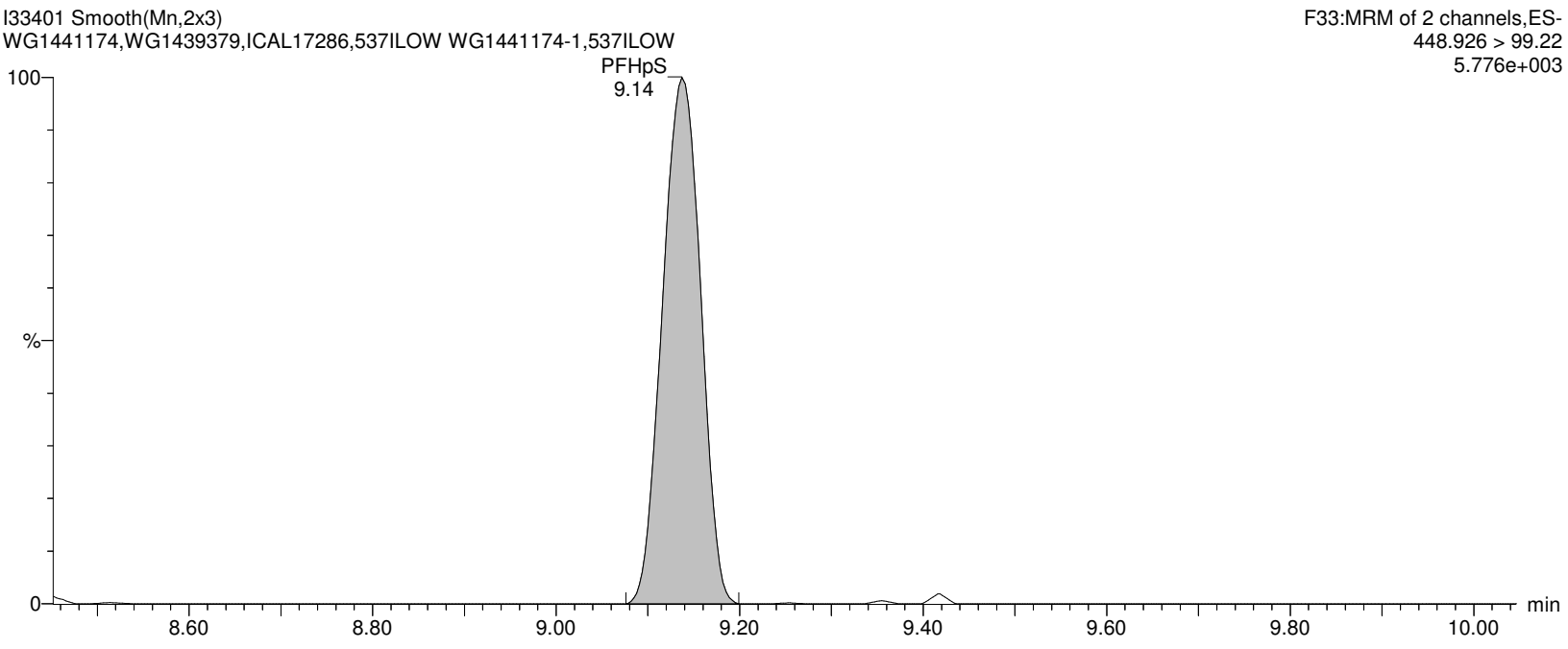

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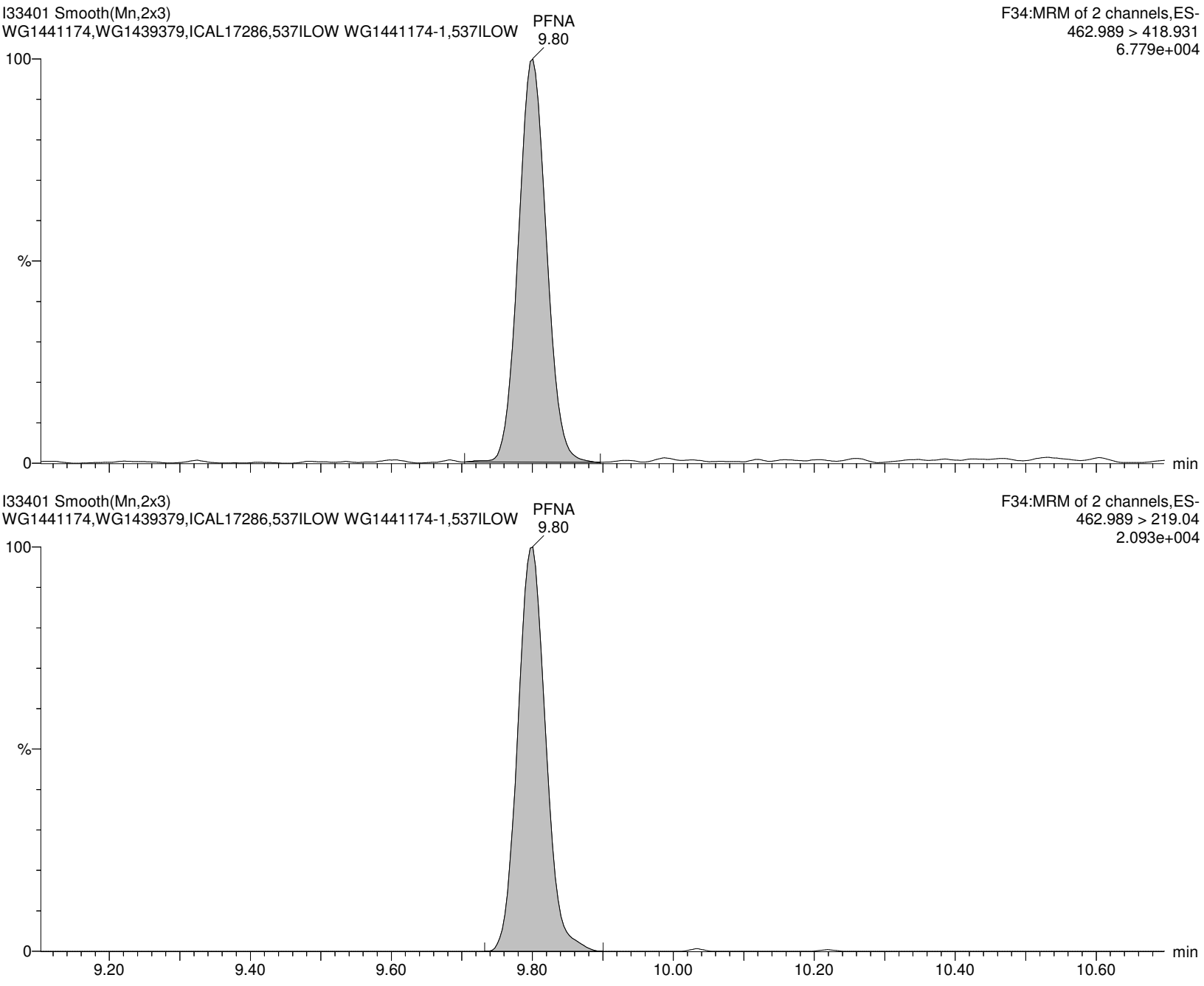

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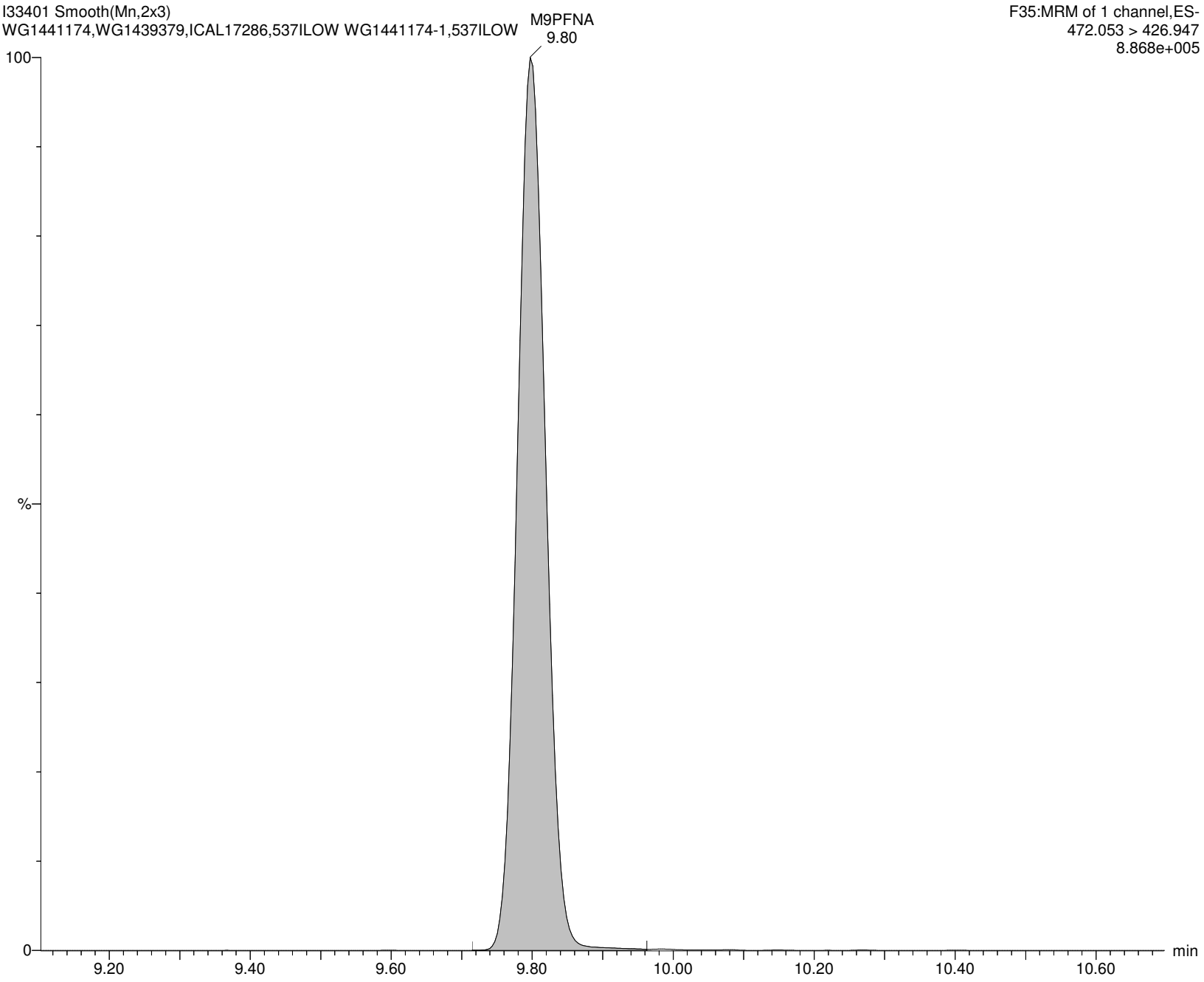

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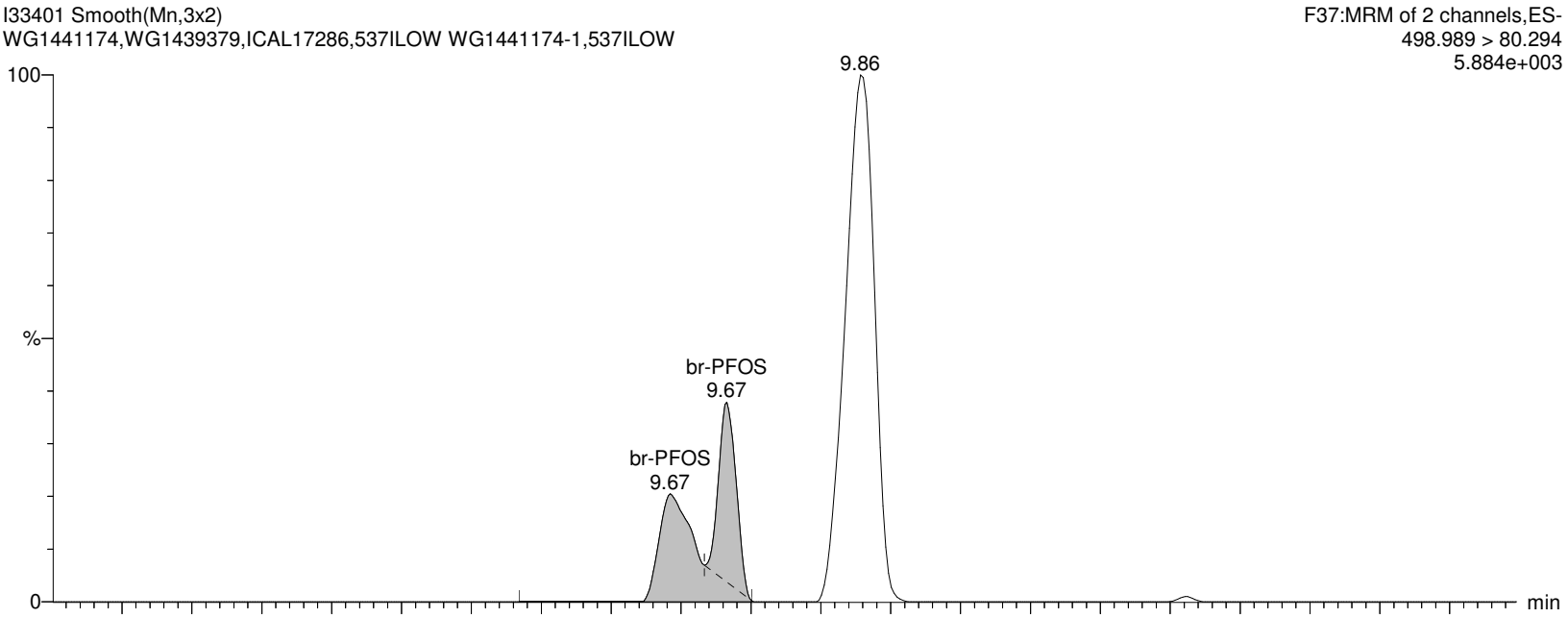

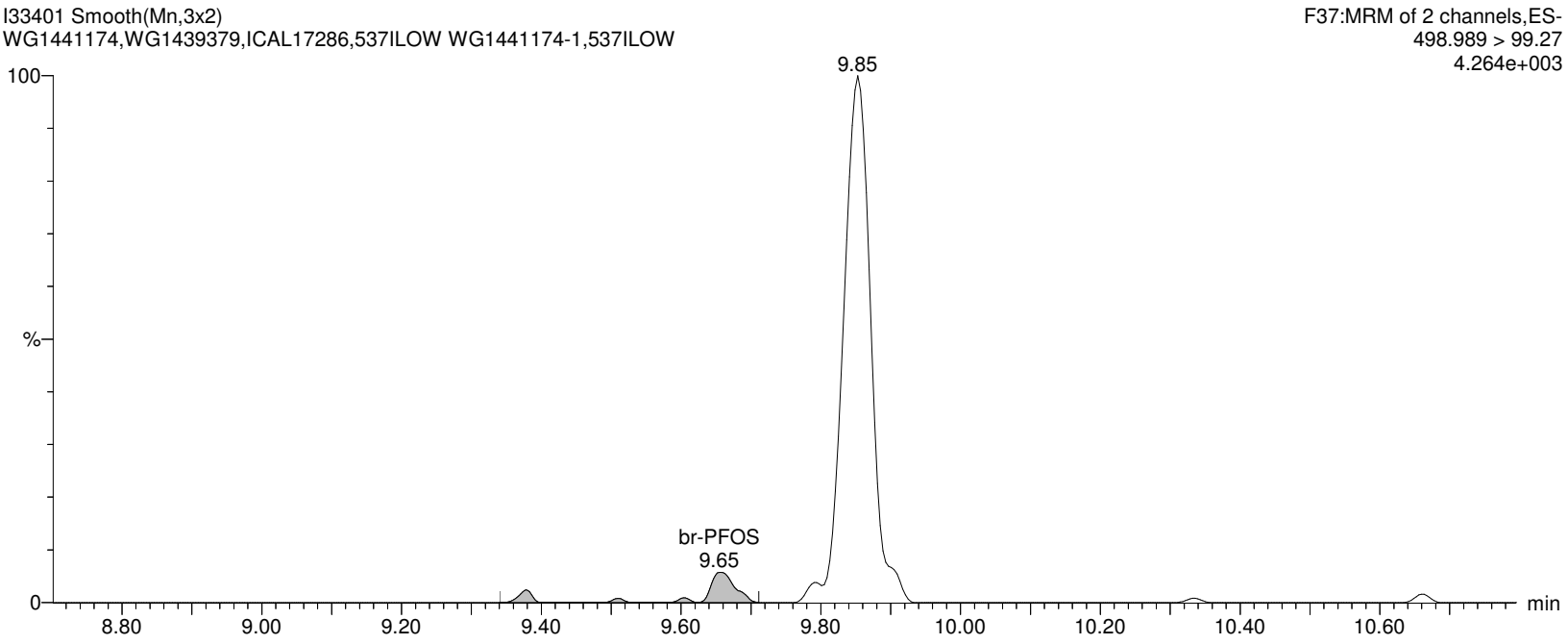

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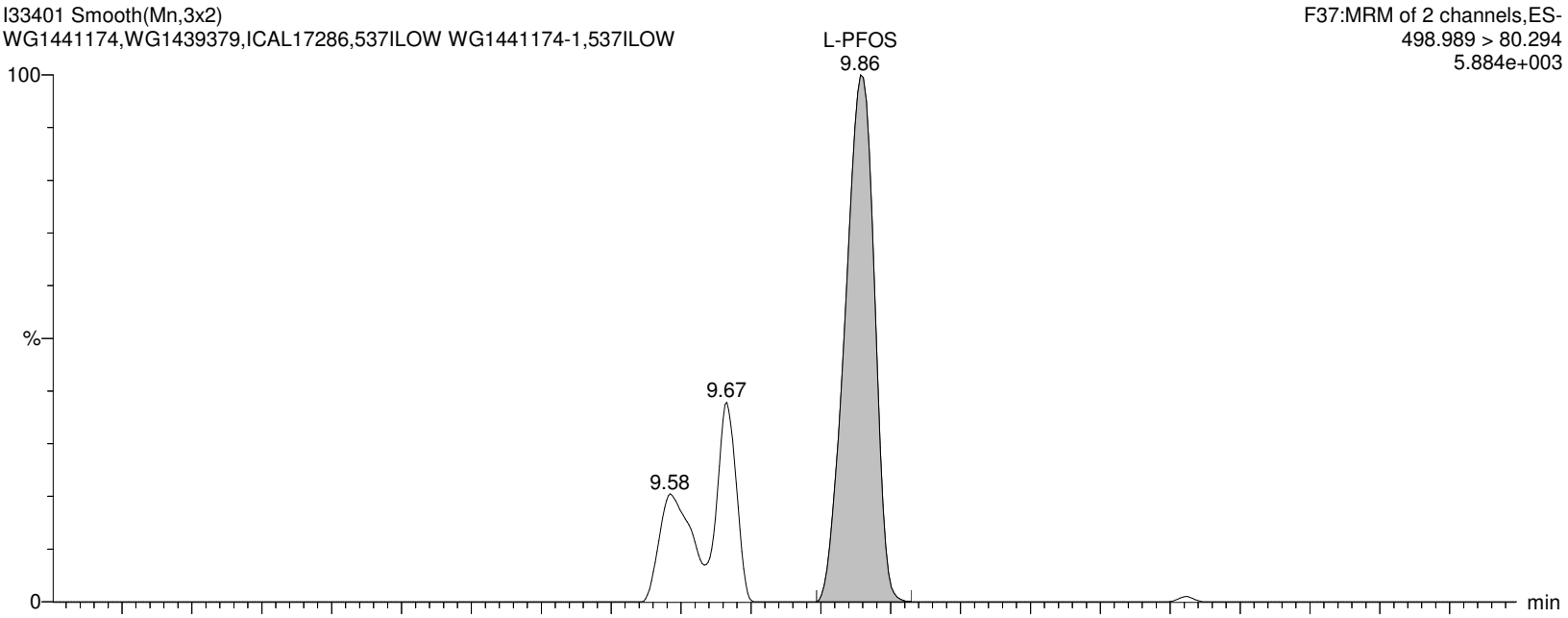

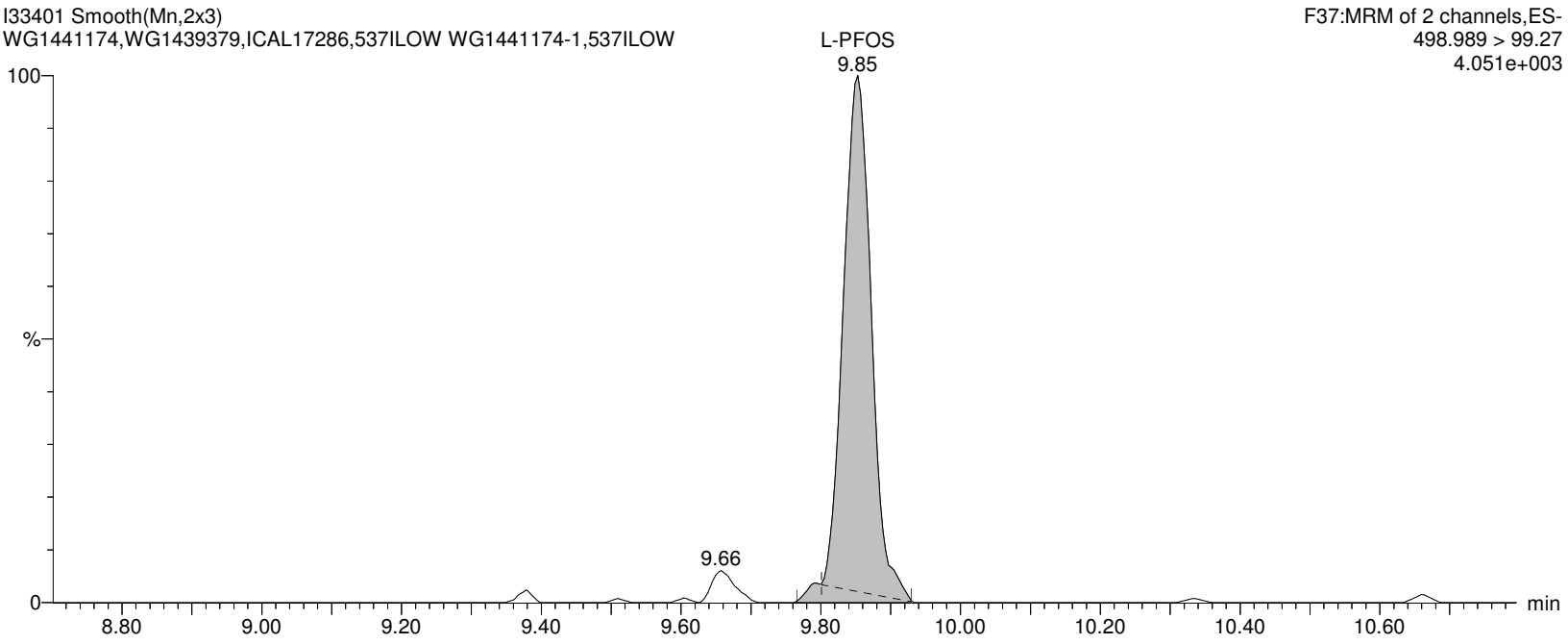

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-1.qld
Last Altered: Sunday, December 06, 2020 21:52:18 Eastern Standard Time
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Name: I33401
ID: WG1441174-1,537ILOW
Date: 04-Dec-2020
Time: 11:22:11
Description: WG1441174,WG1439379,ICAL17286,537ILOW
User: LCMS02:JW
Vial: 1:A,2
Instrument: XEVO-TQSmicro#QEB0050
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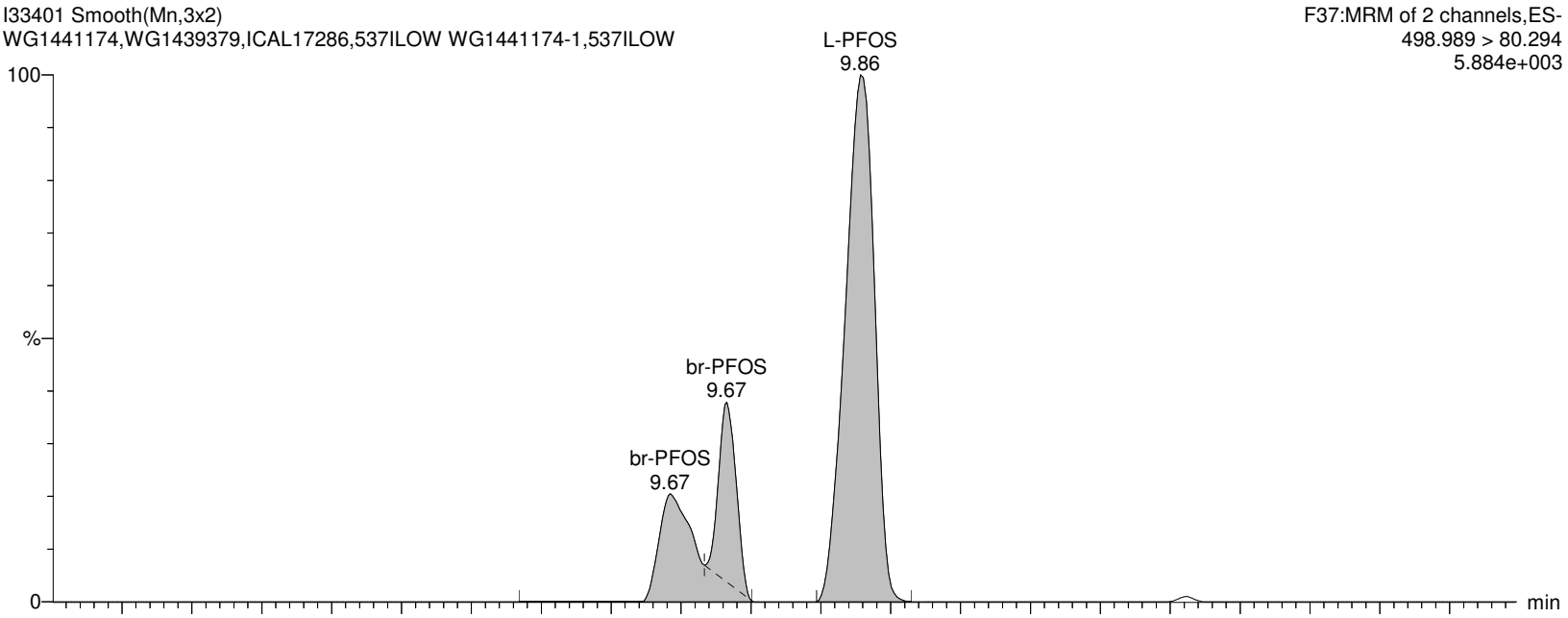

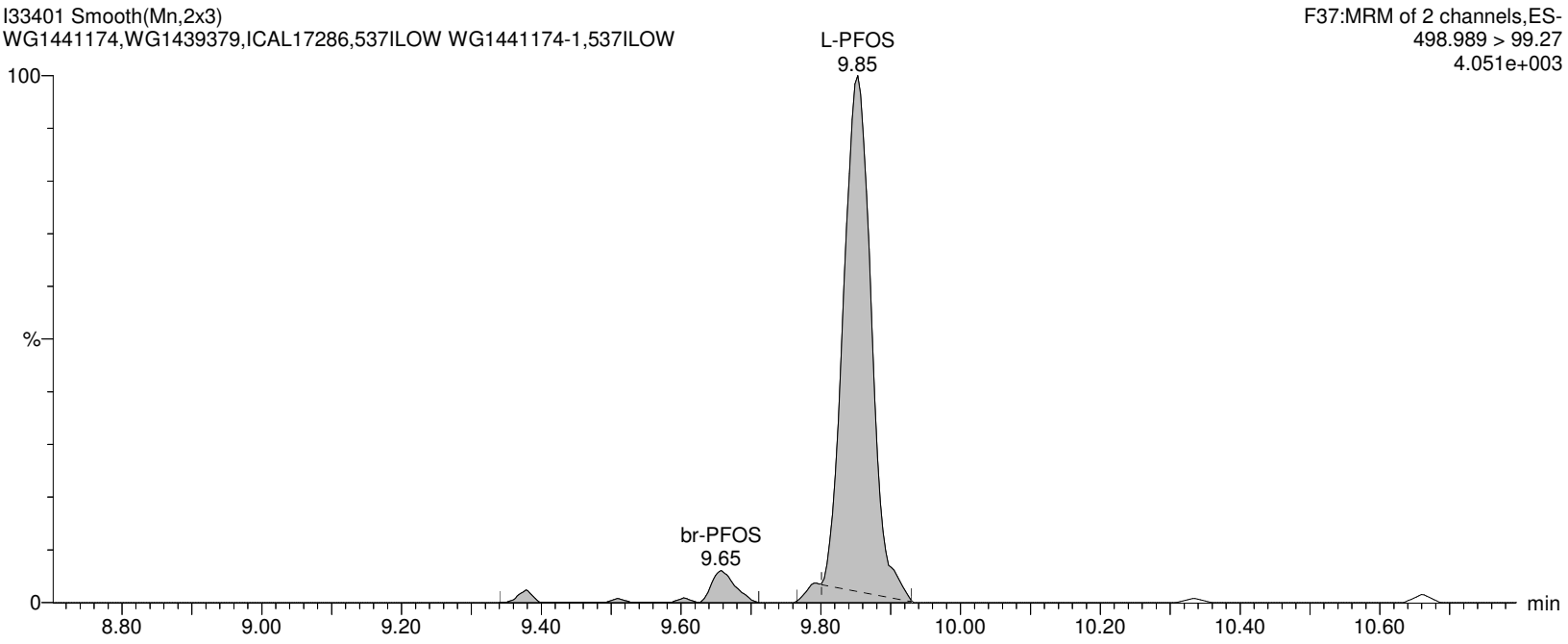

all concentration units in (ng/mL)

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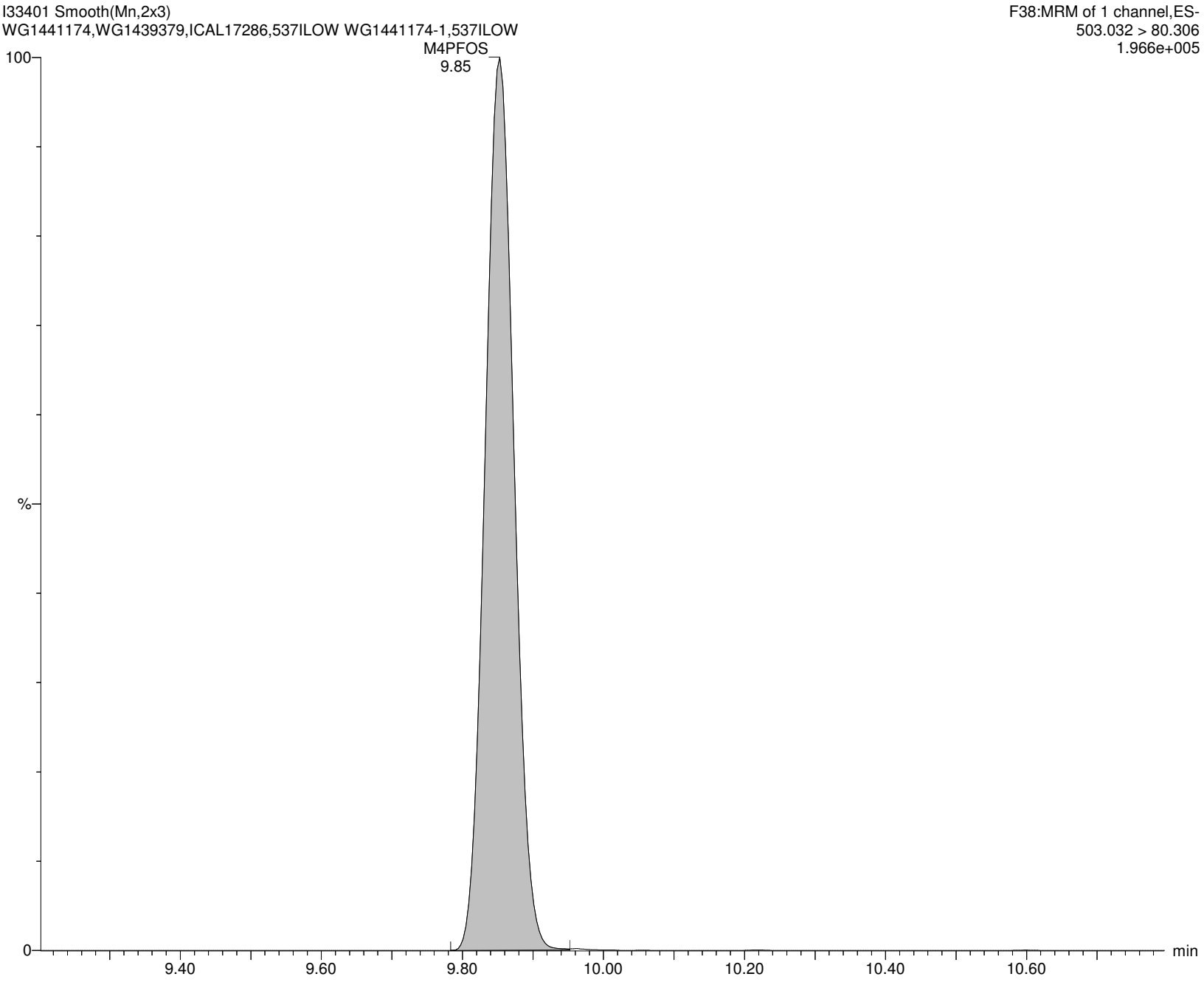

all concentration units in (ng/mL)

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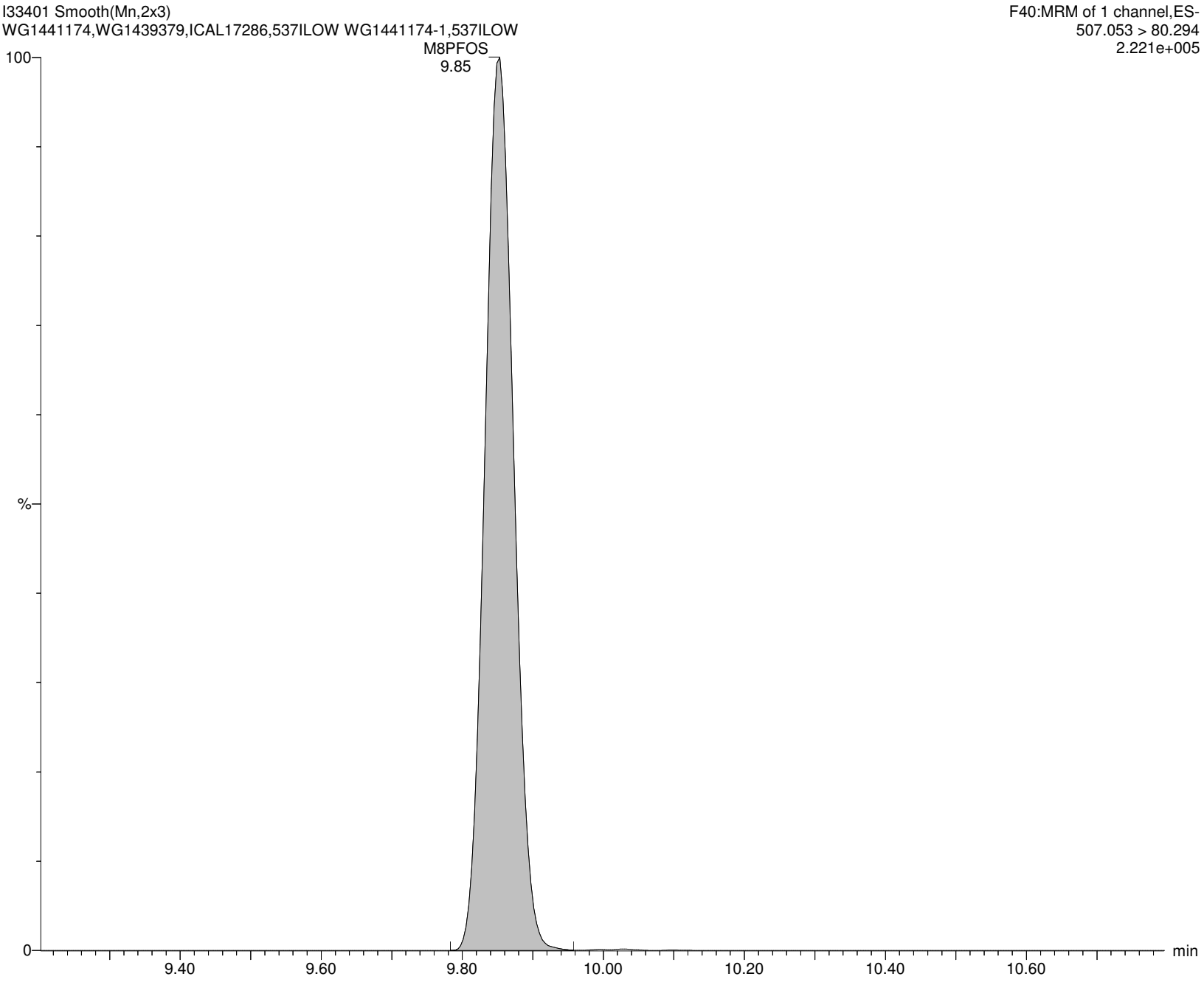

all concentration units in (ng/mL)

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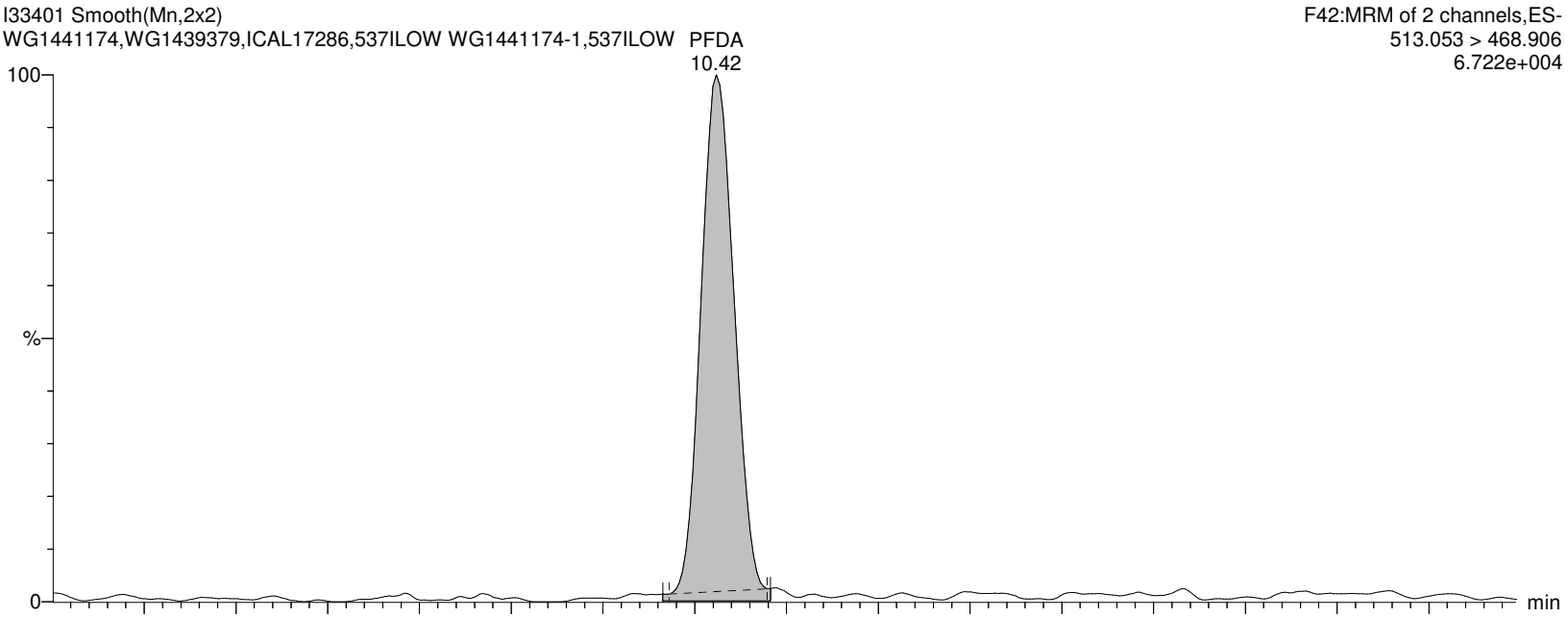

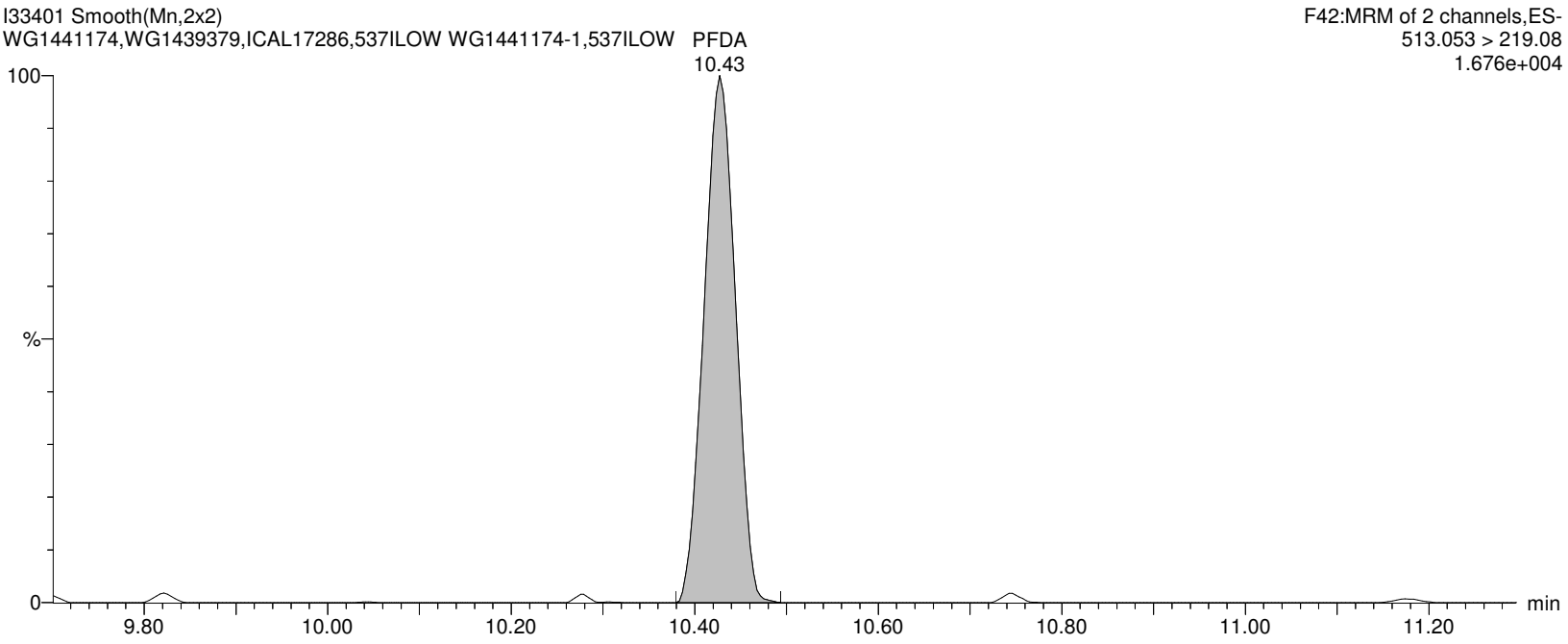

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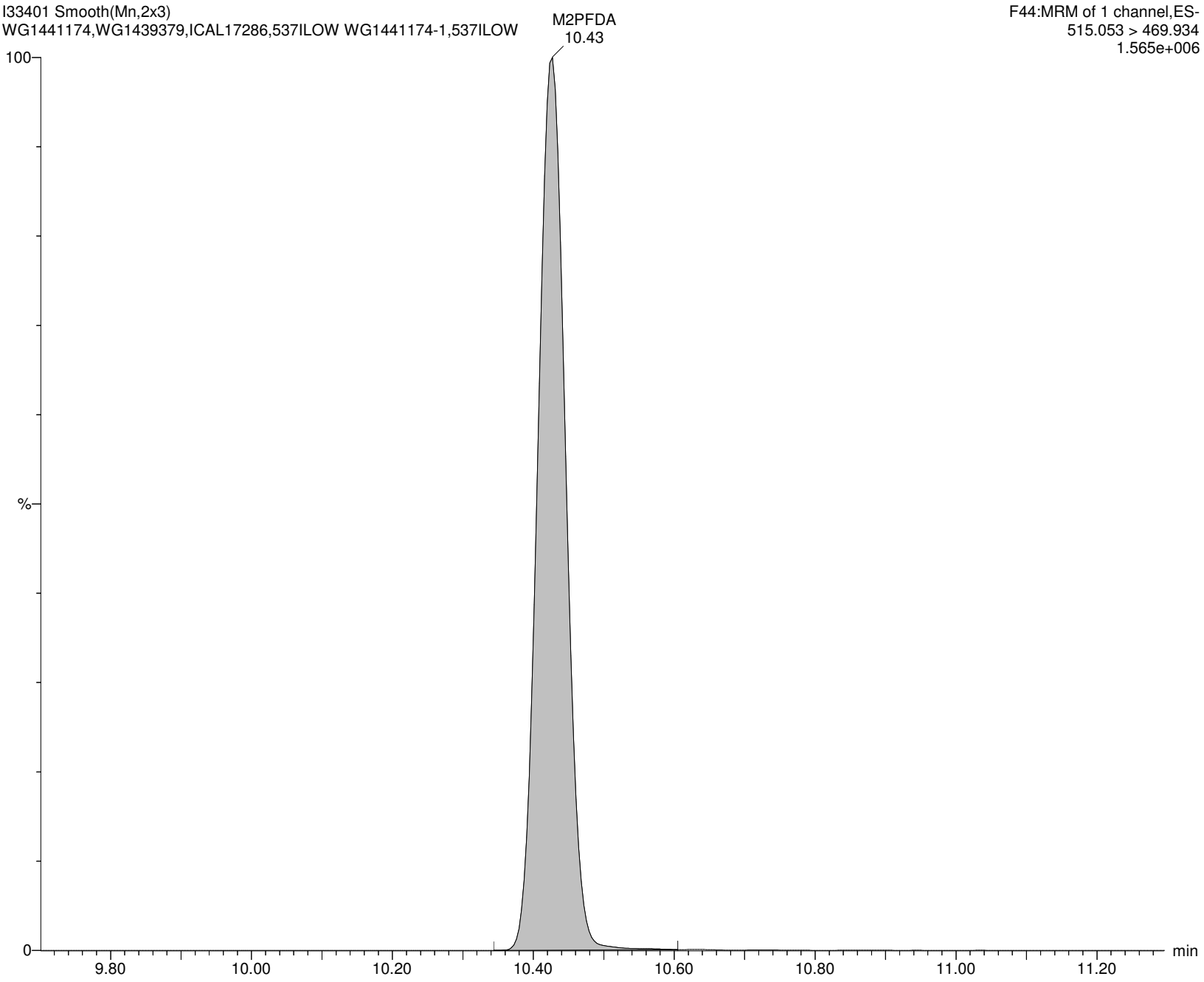

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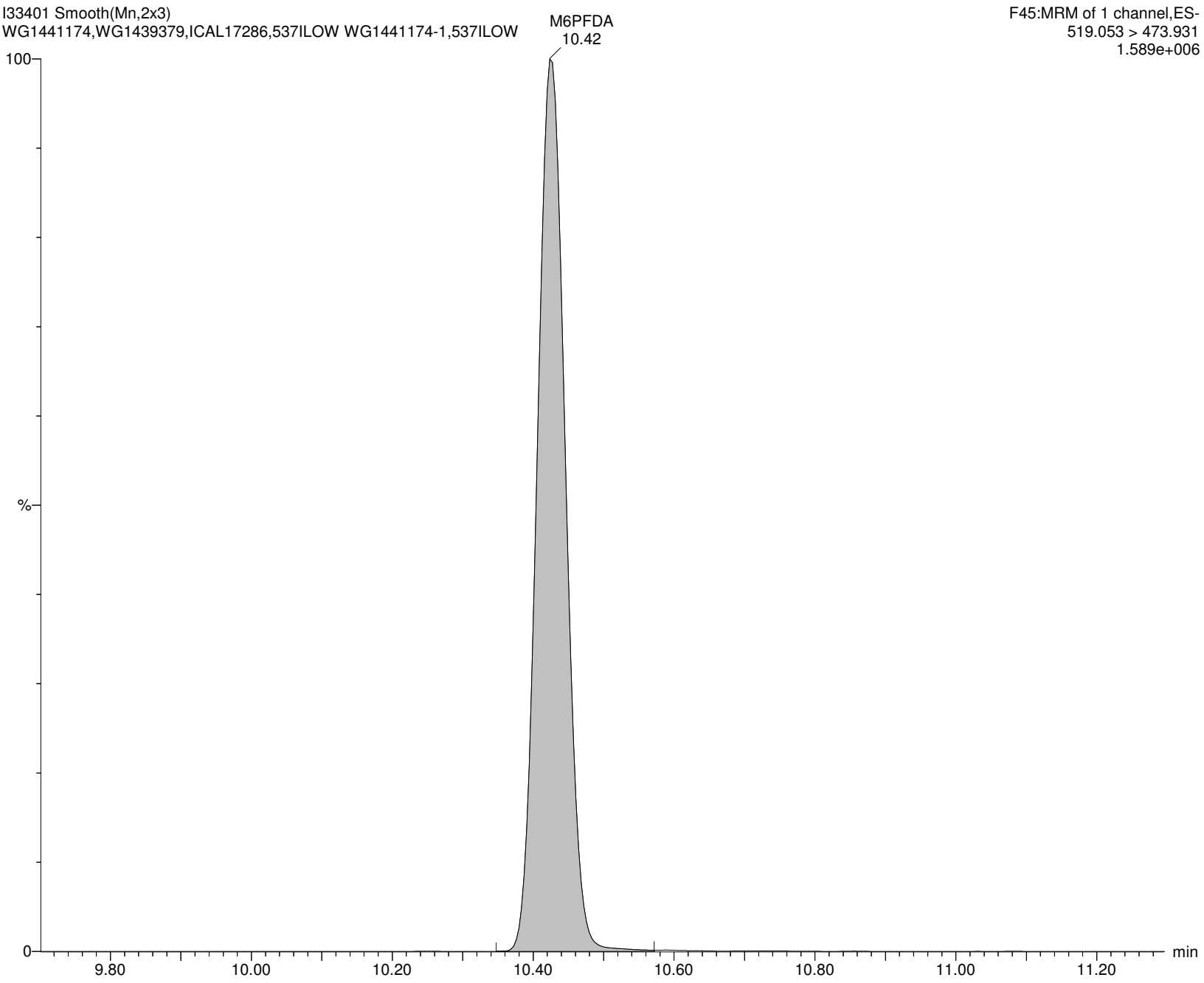

all concentration units in (ng/mL)

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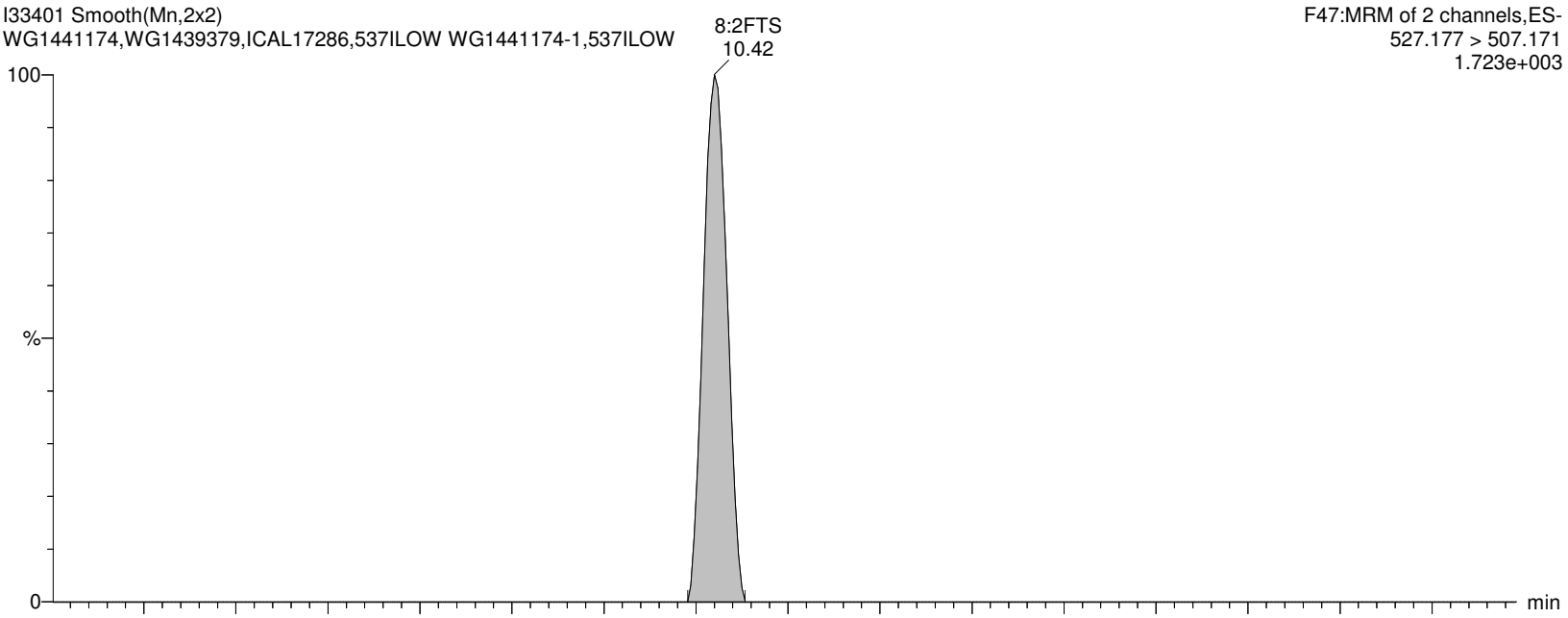

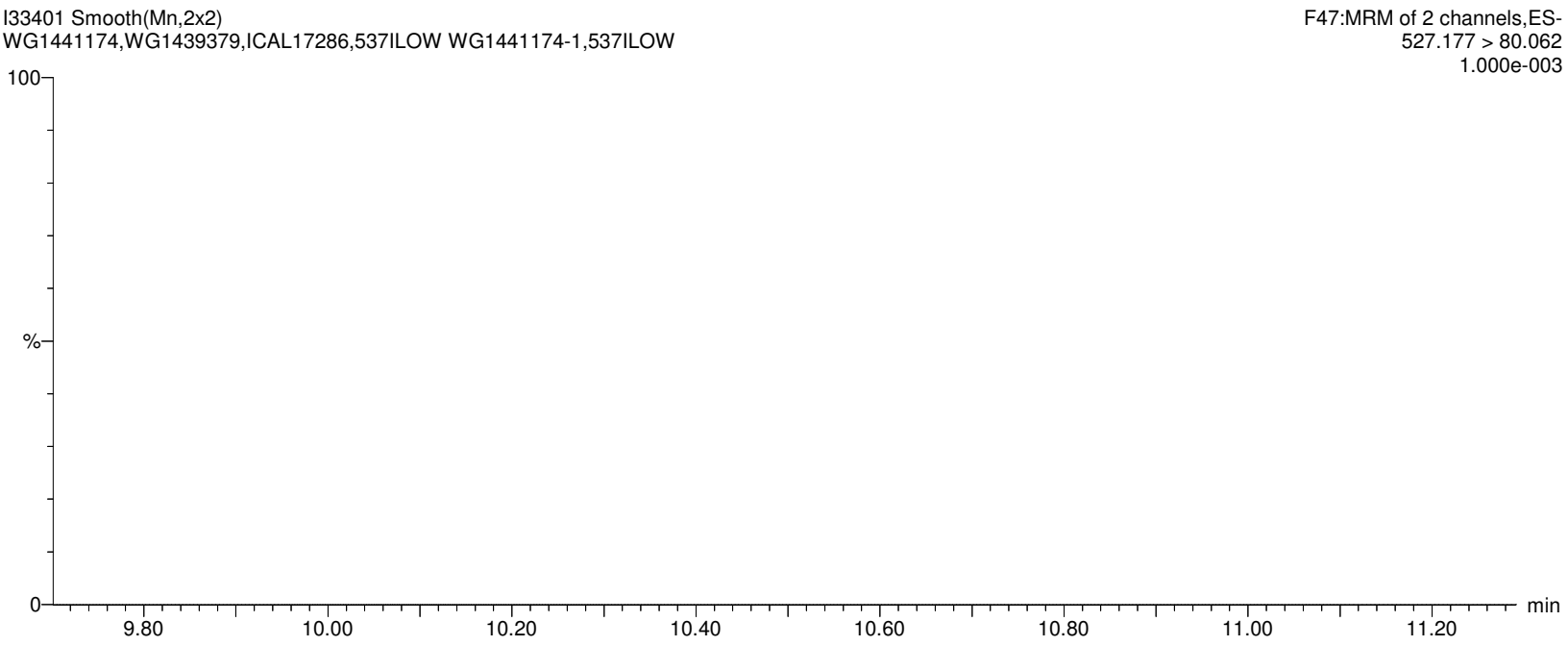

all concentration units in (ng/mL)

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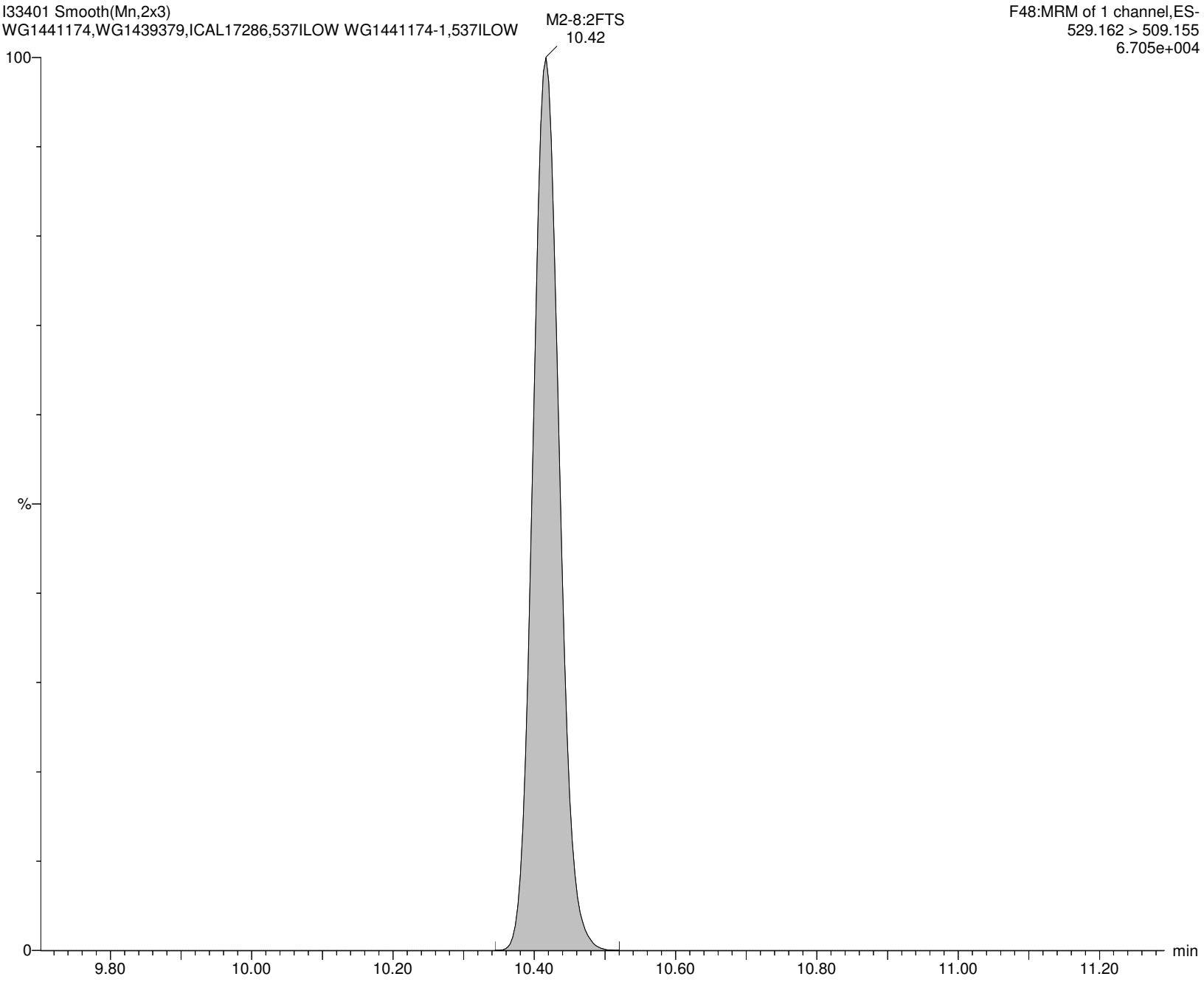
M2-8:2FTS



all concentration units in (ng/mL)

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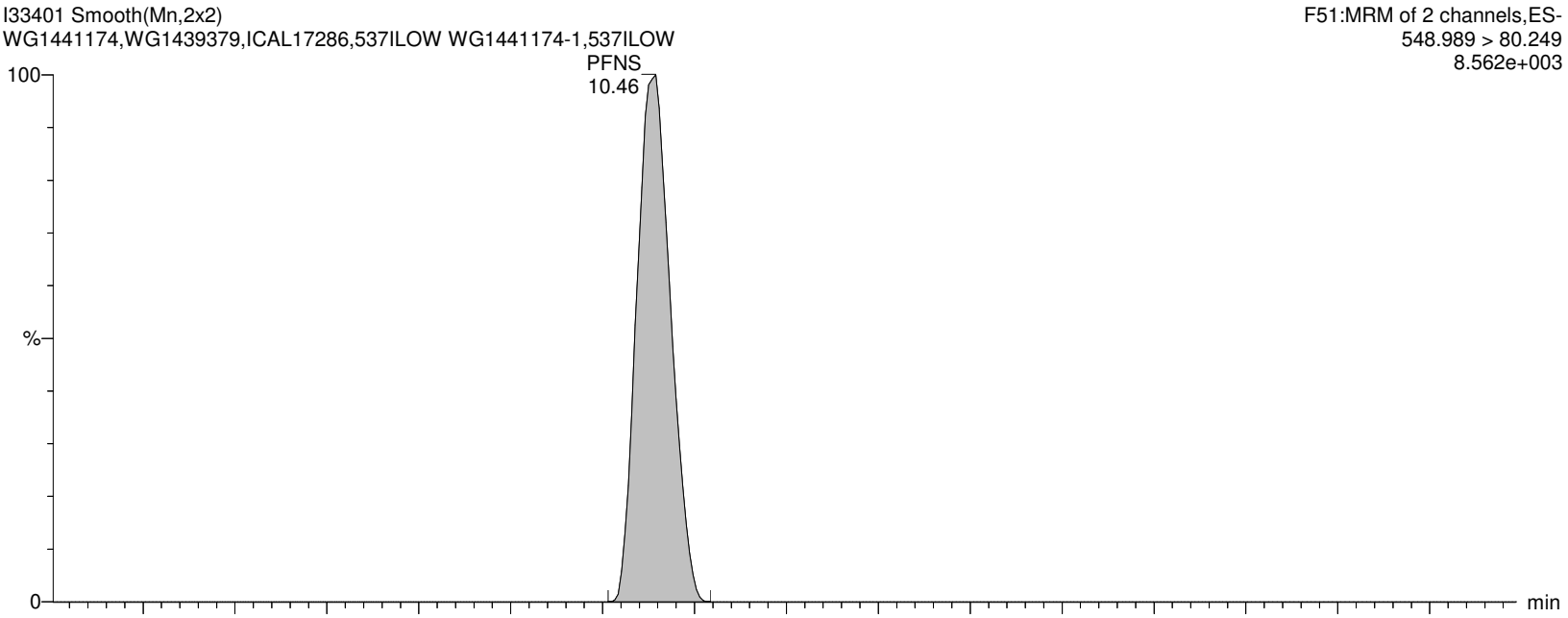

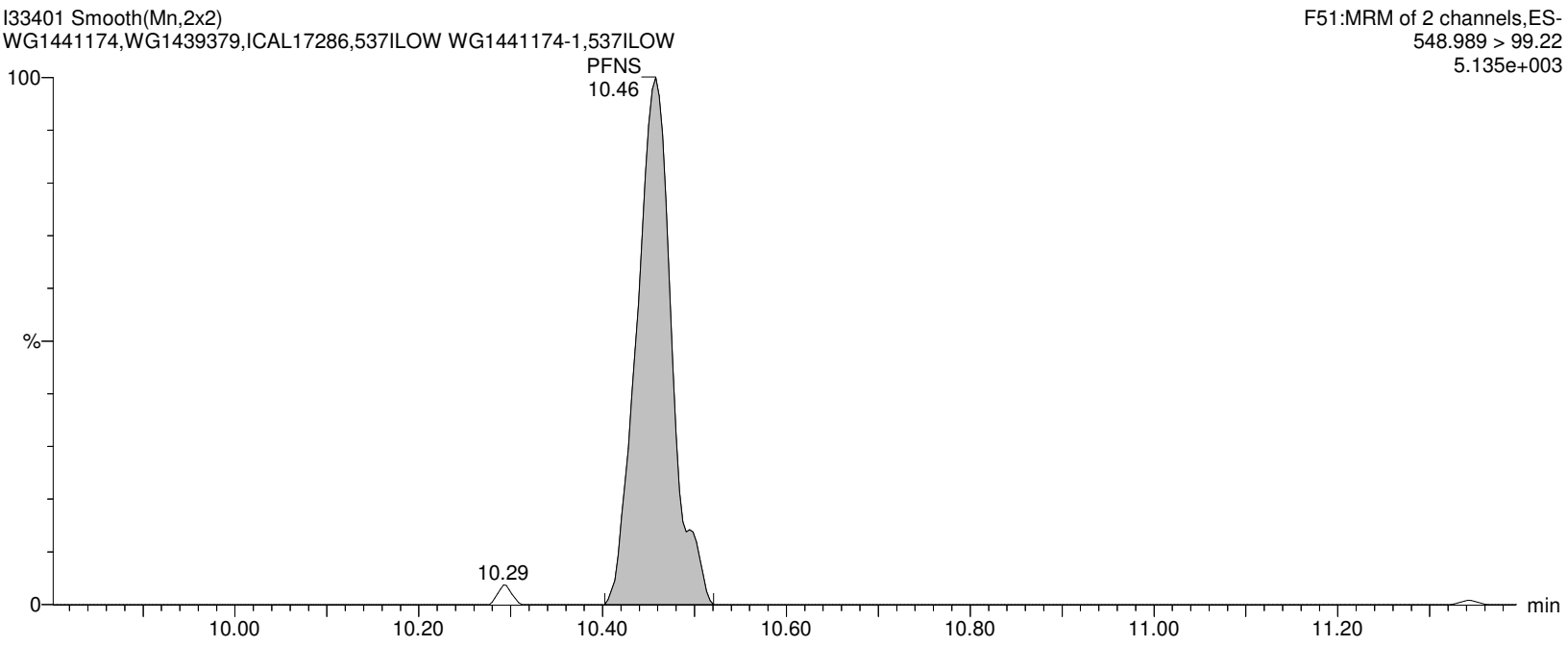

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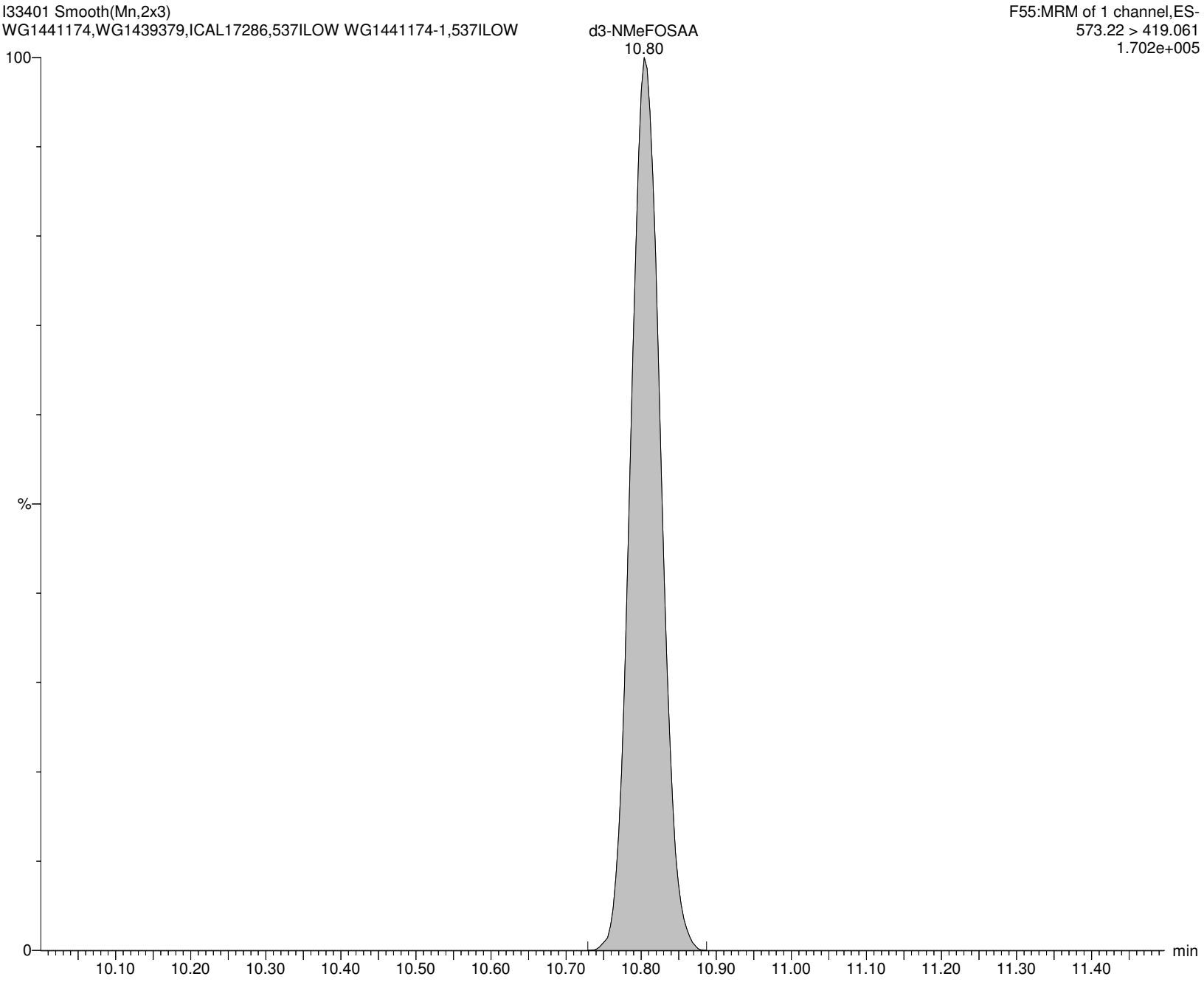

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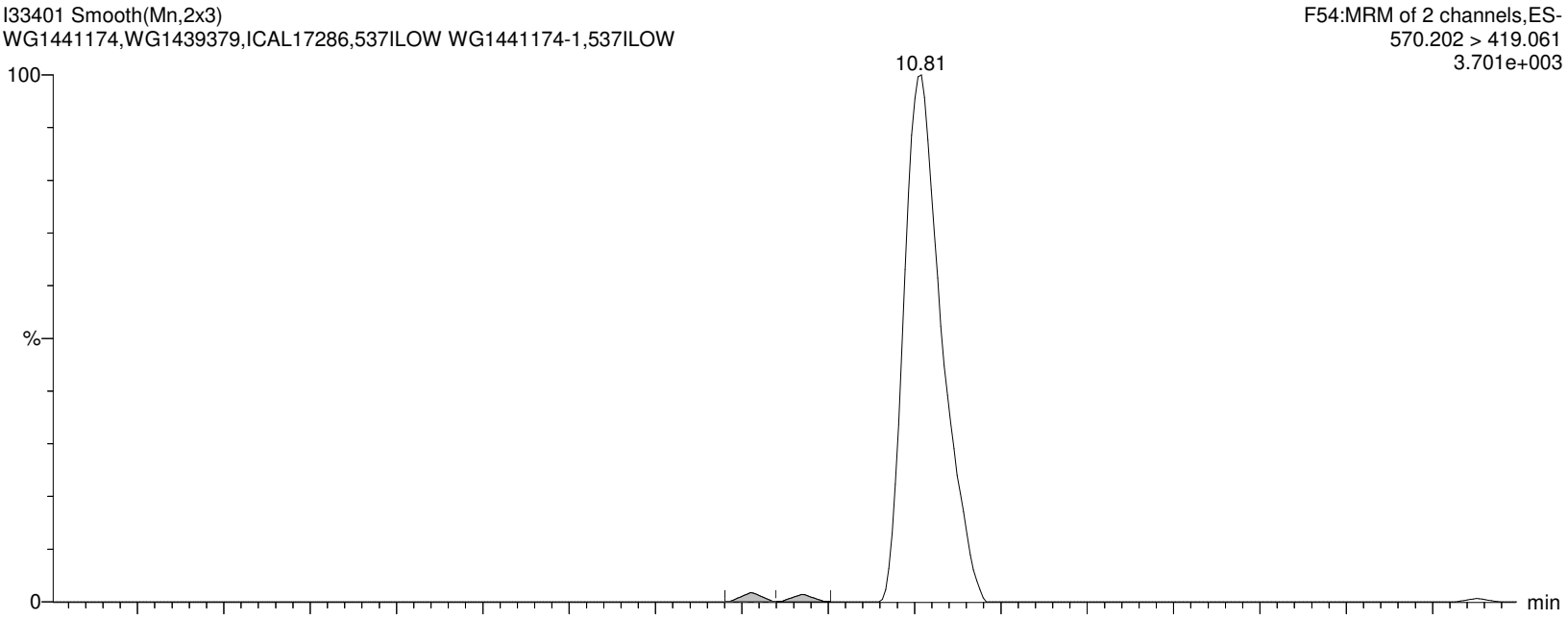

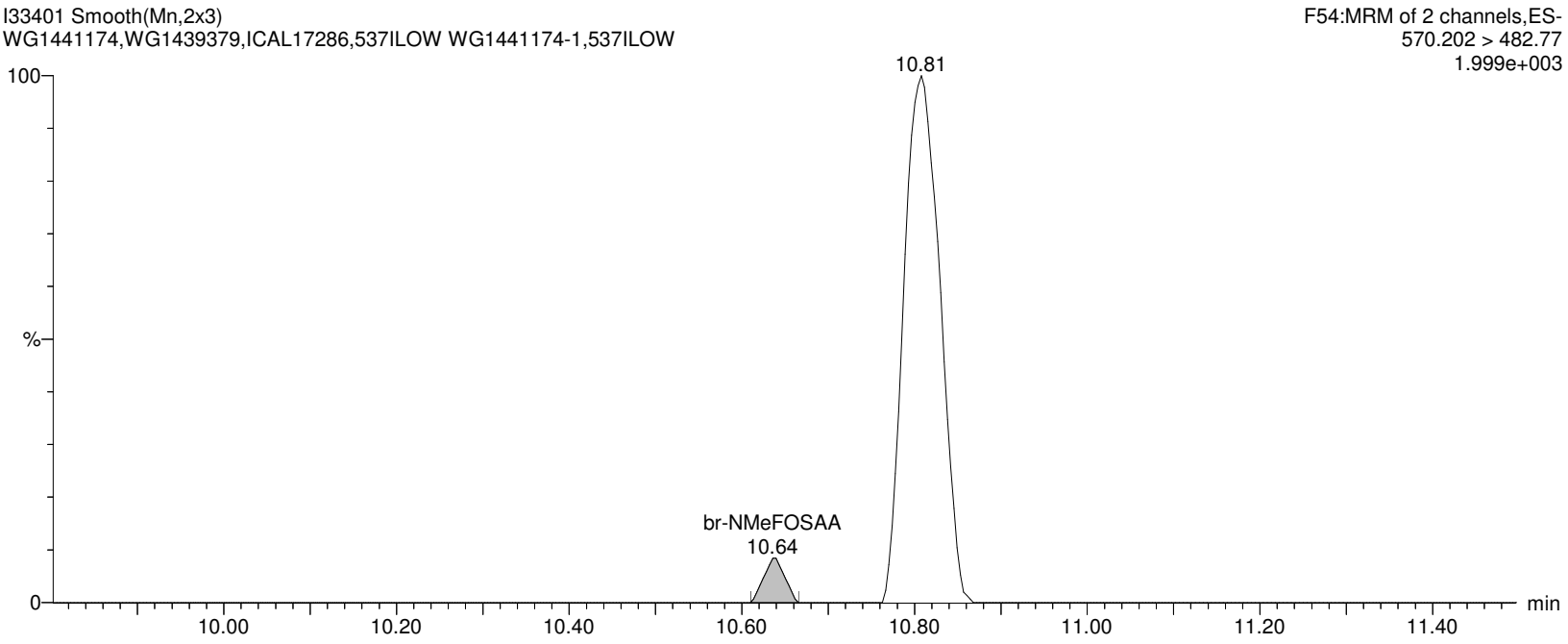

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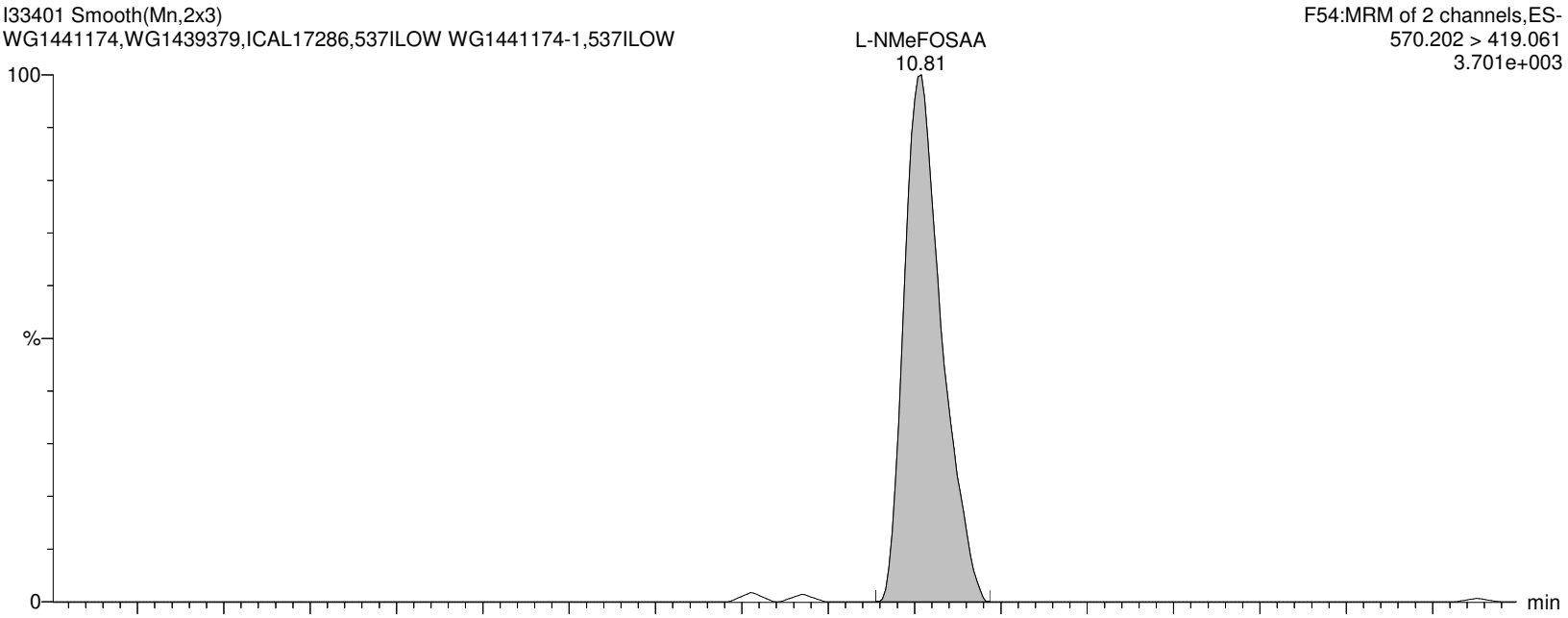

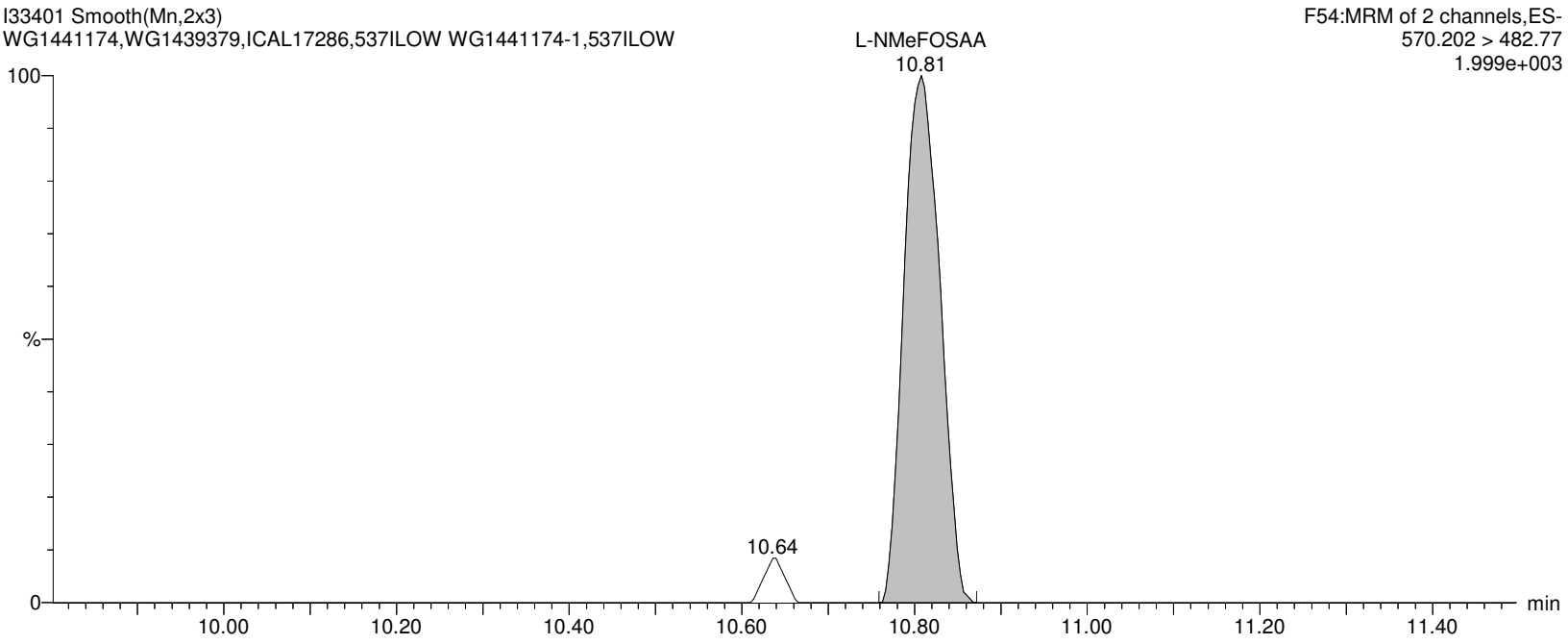

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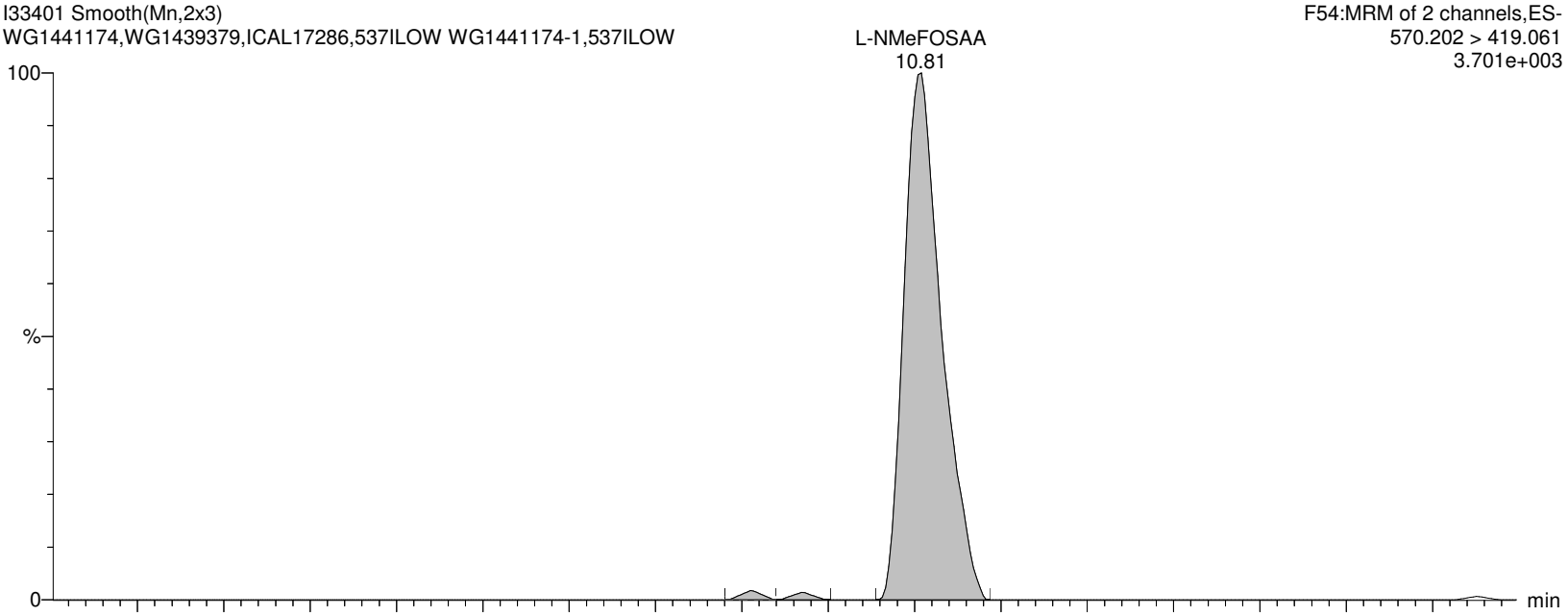

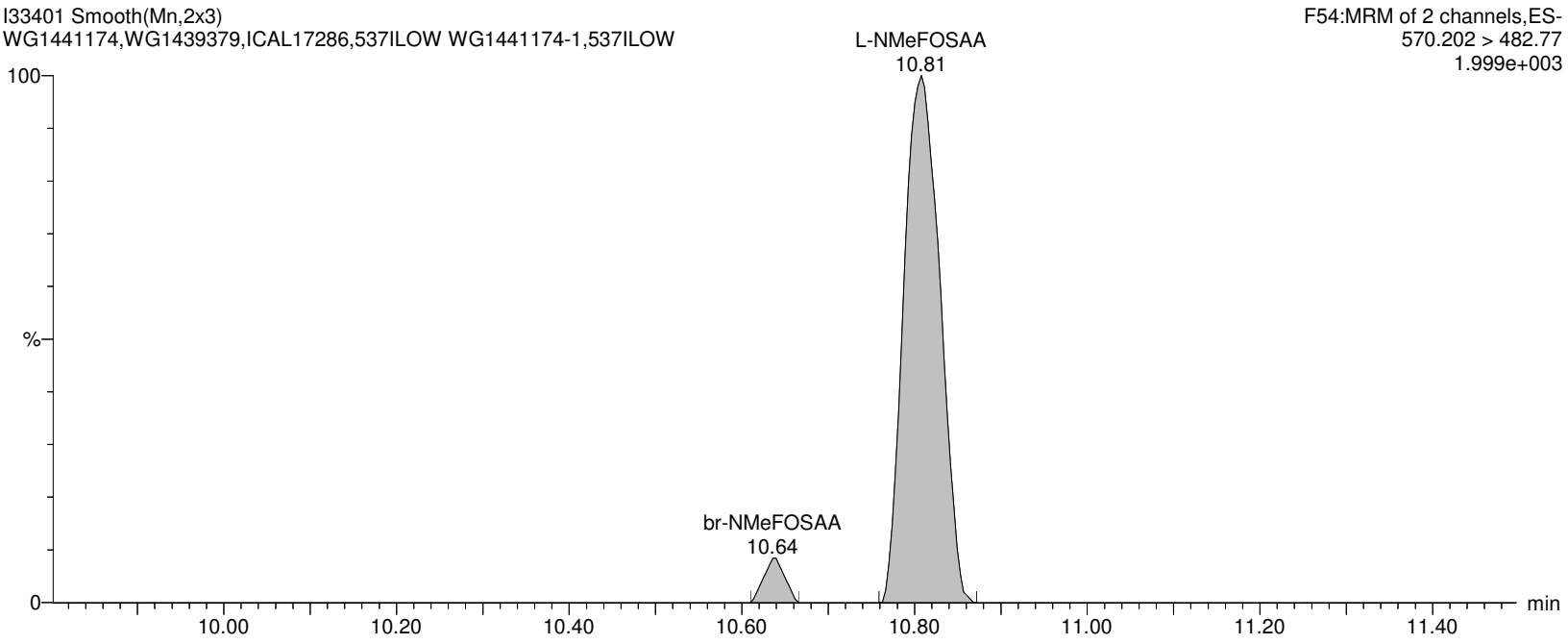

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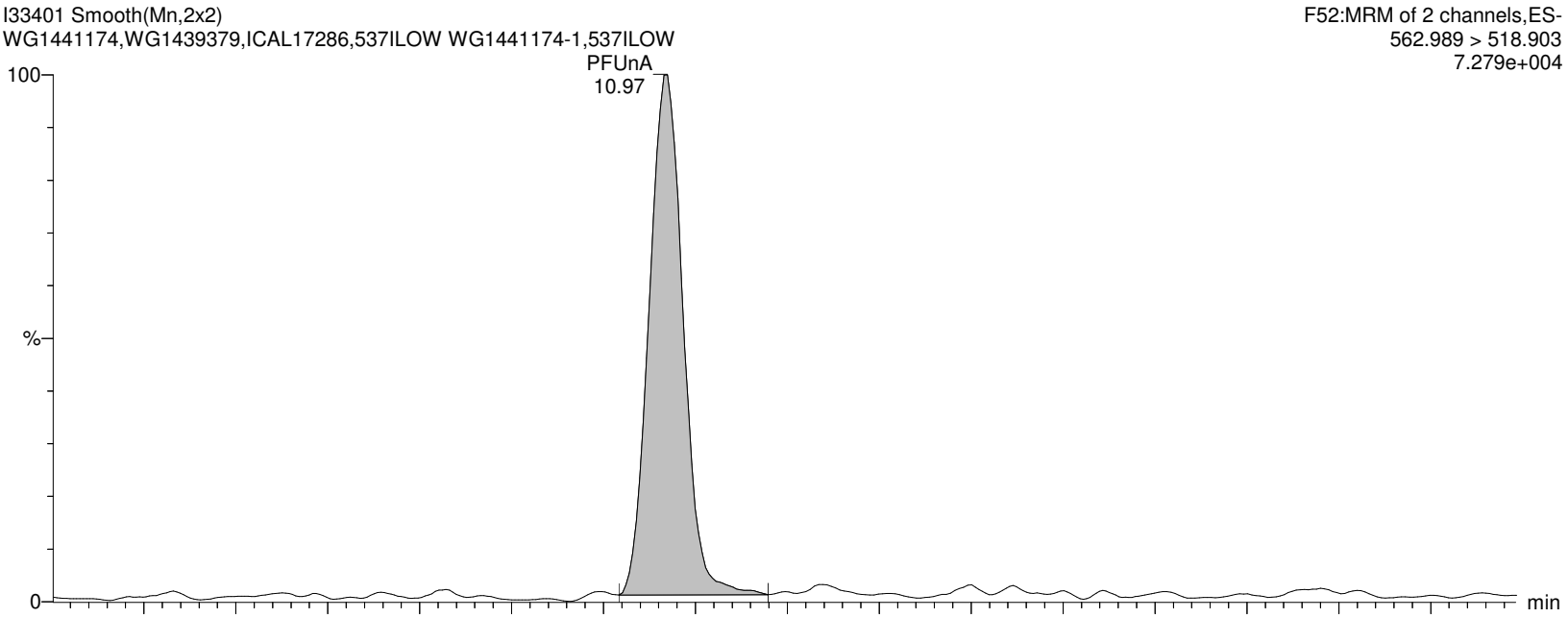

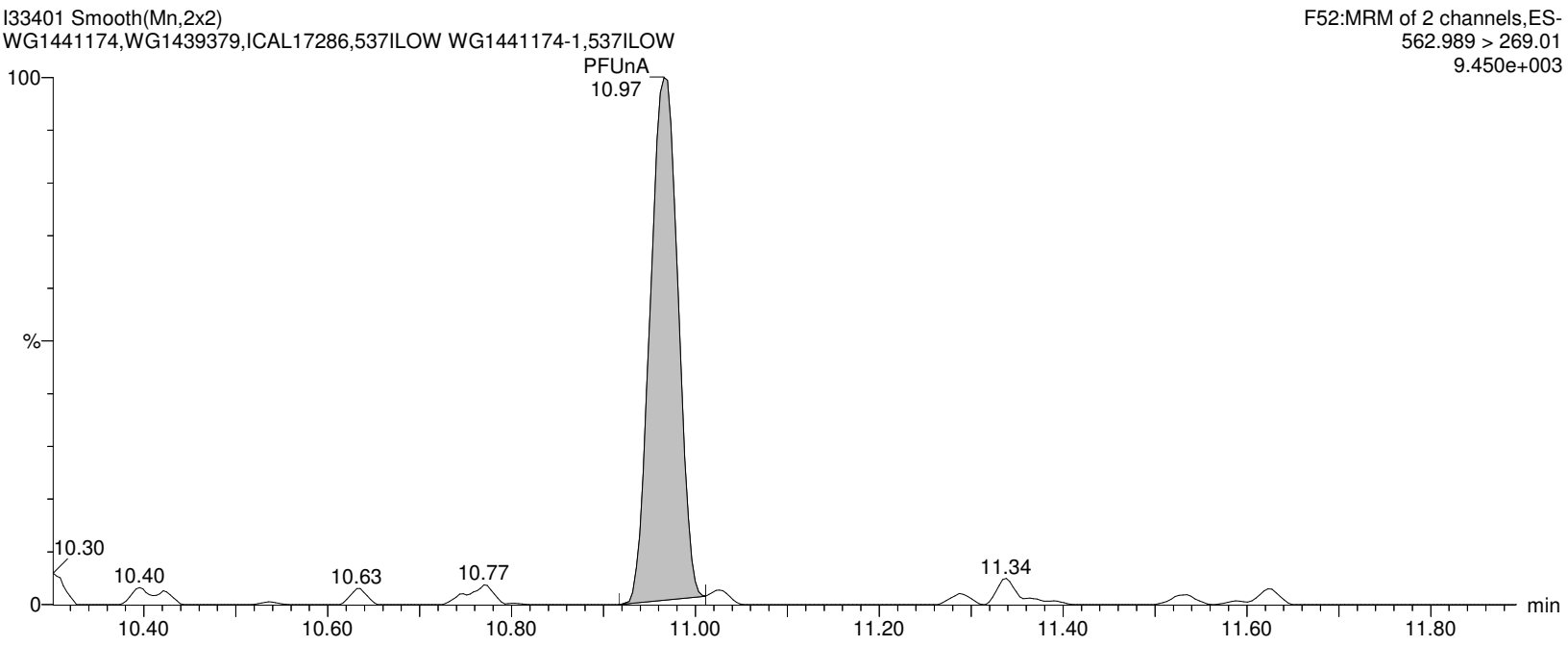

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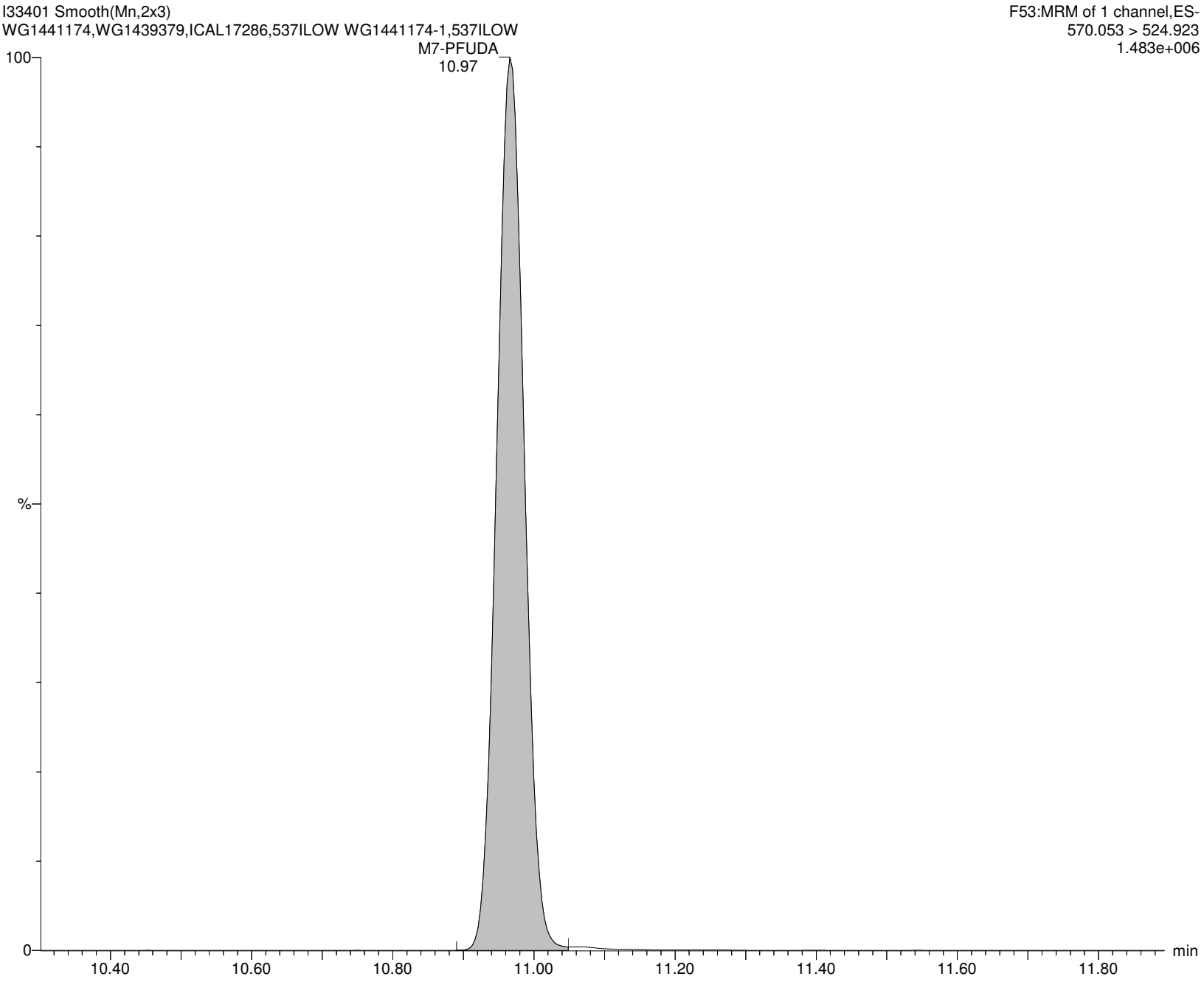
M7-PFUDA



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-1.qld
Last Altered: Sunday, December 06, 2020 21:52:18 Eastern Standard Time
Printed: Sunday, December 06, 2020 21:52:38 Eastern Standard Time

Name: I33401
ID: WG1441174-1,537ILOW
Date: 04-Dec-2020
Time: 11:22:11
Description: WG1441174,WG1439379,ICAL17286,537ILOW
User: LCMS02:JW
Vial: 1:A,2
Instrument: XEVO-TQSmicro#QEB0050
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Tune Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\200520_TUNE.IPR
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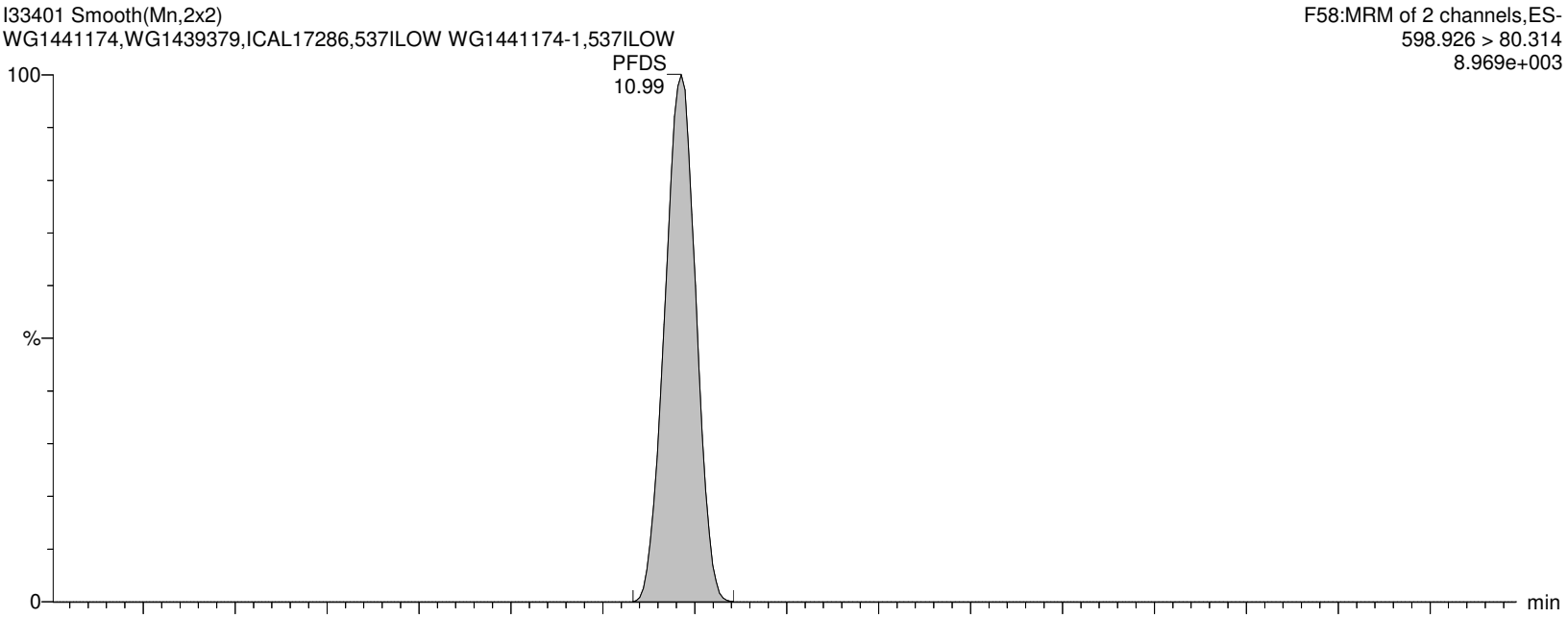

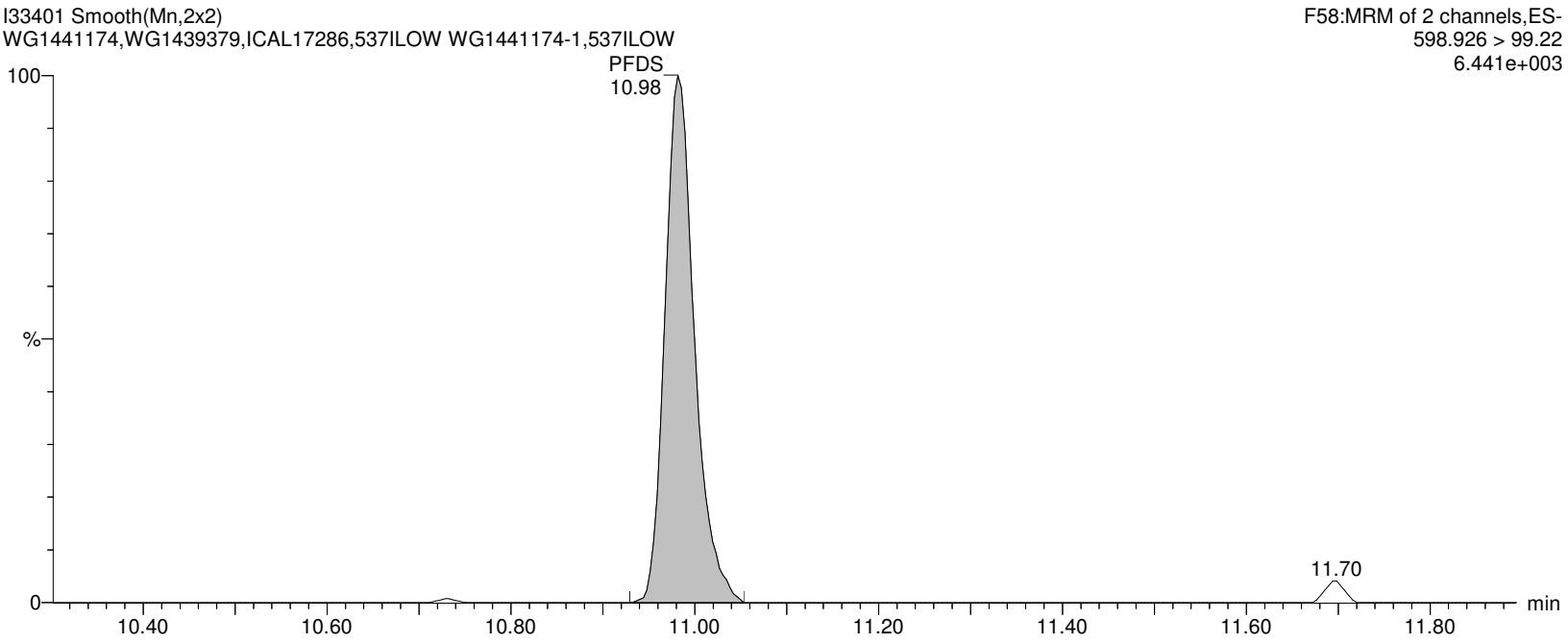

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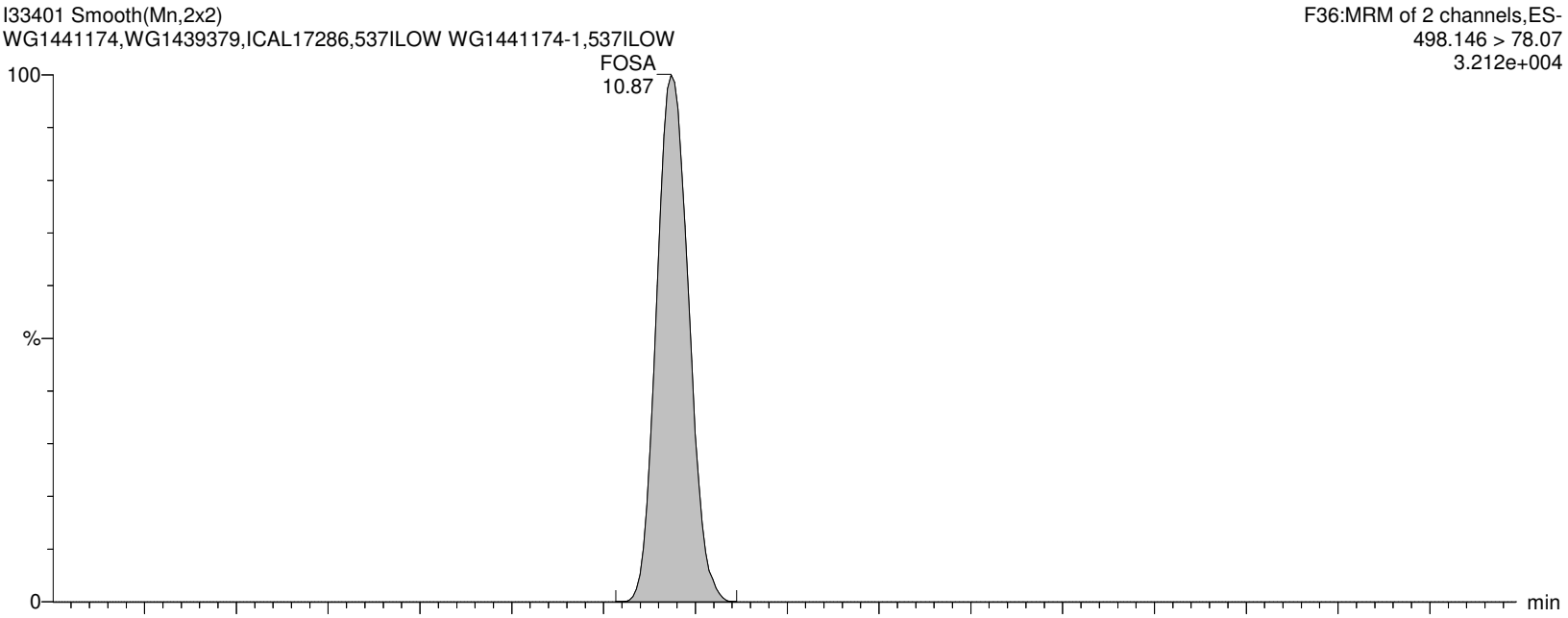

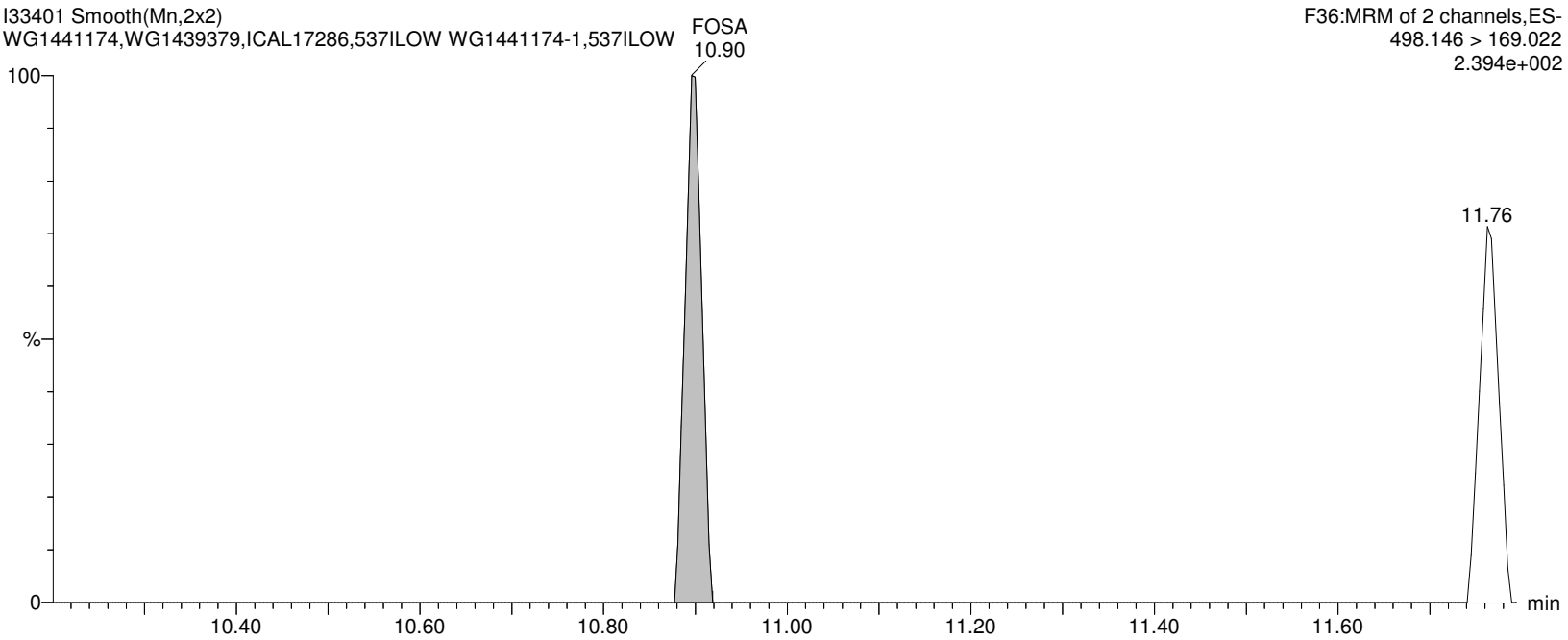

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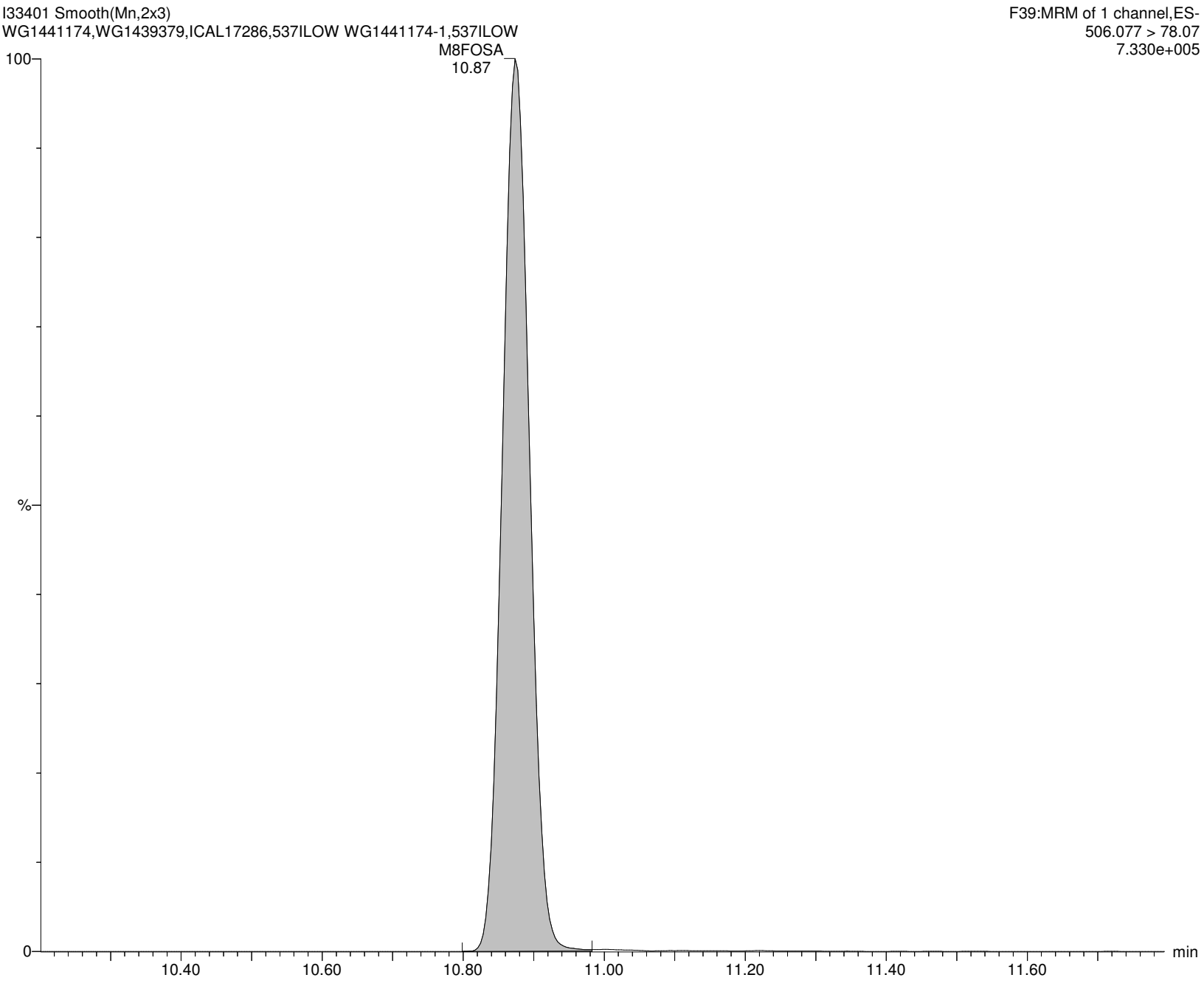

all concentration units in (ng/mL)

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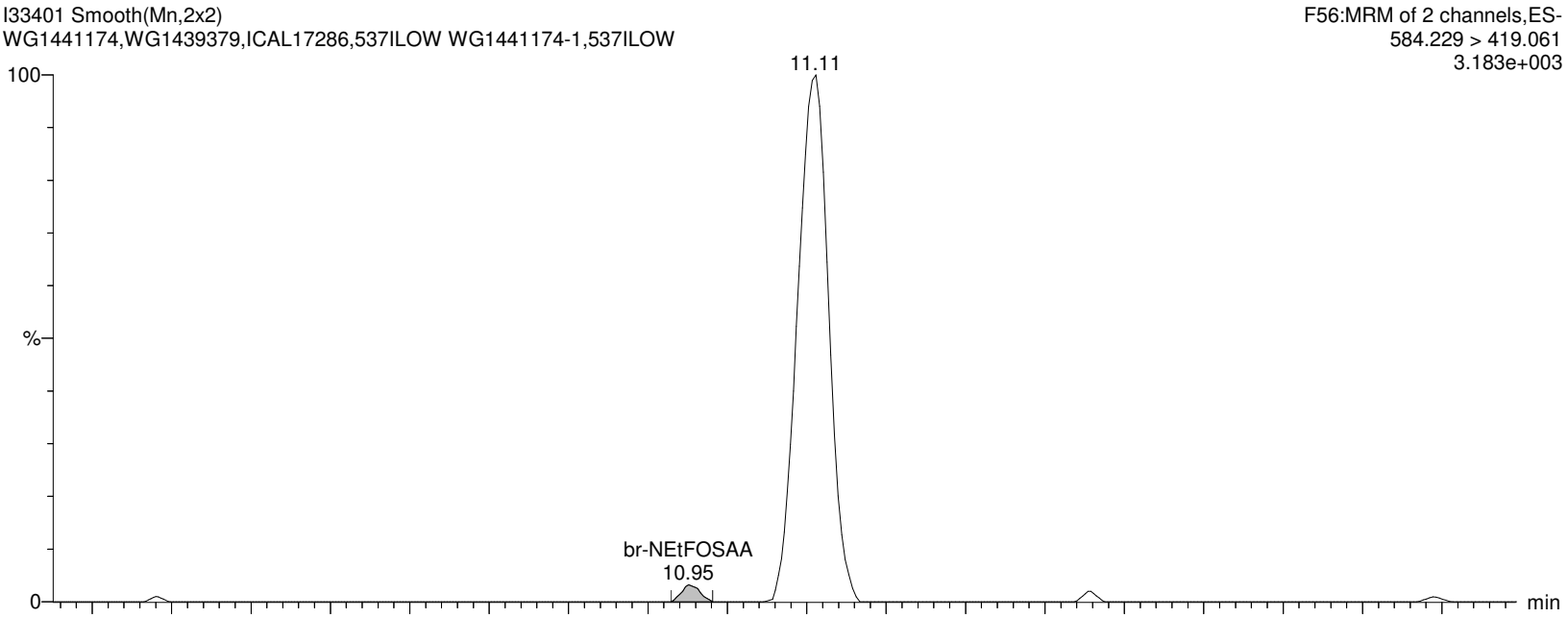

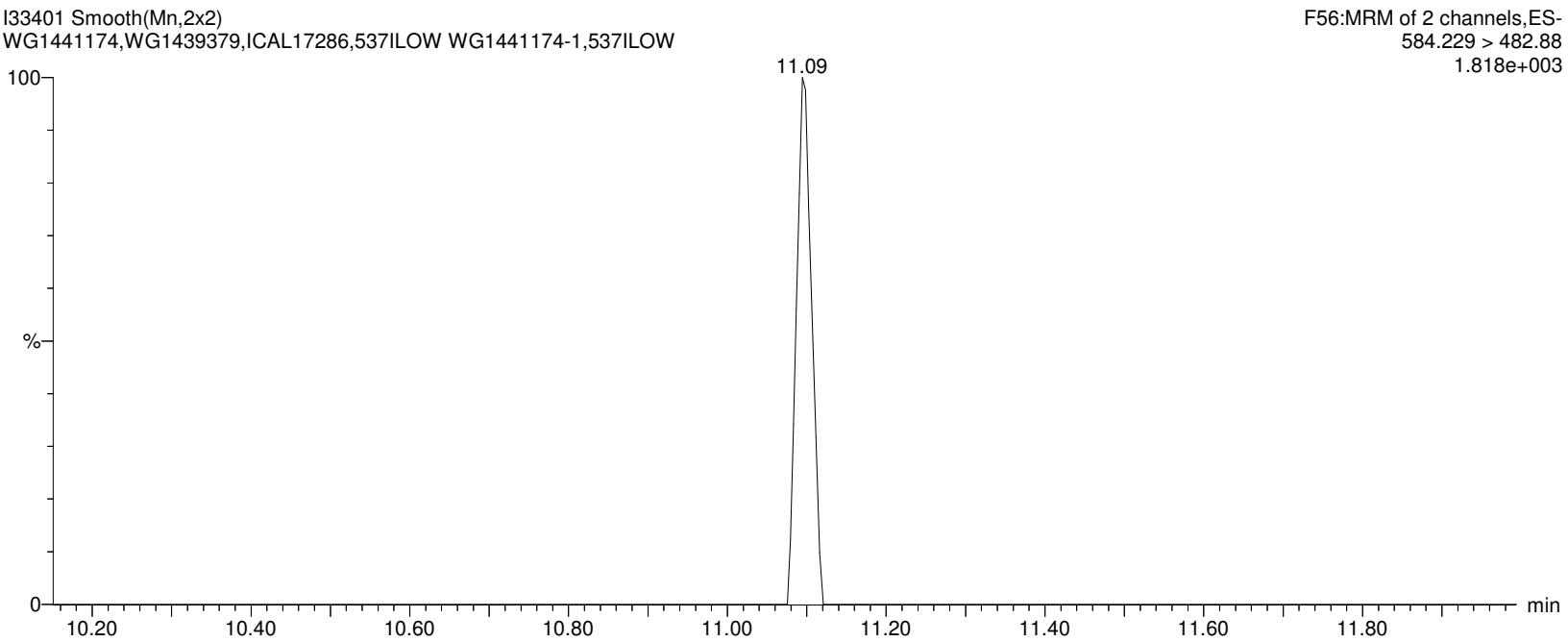

all concentration units in (ng/mL)

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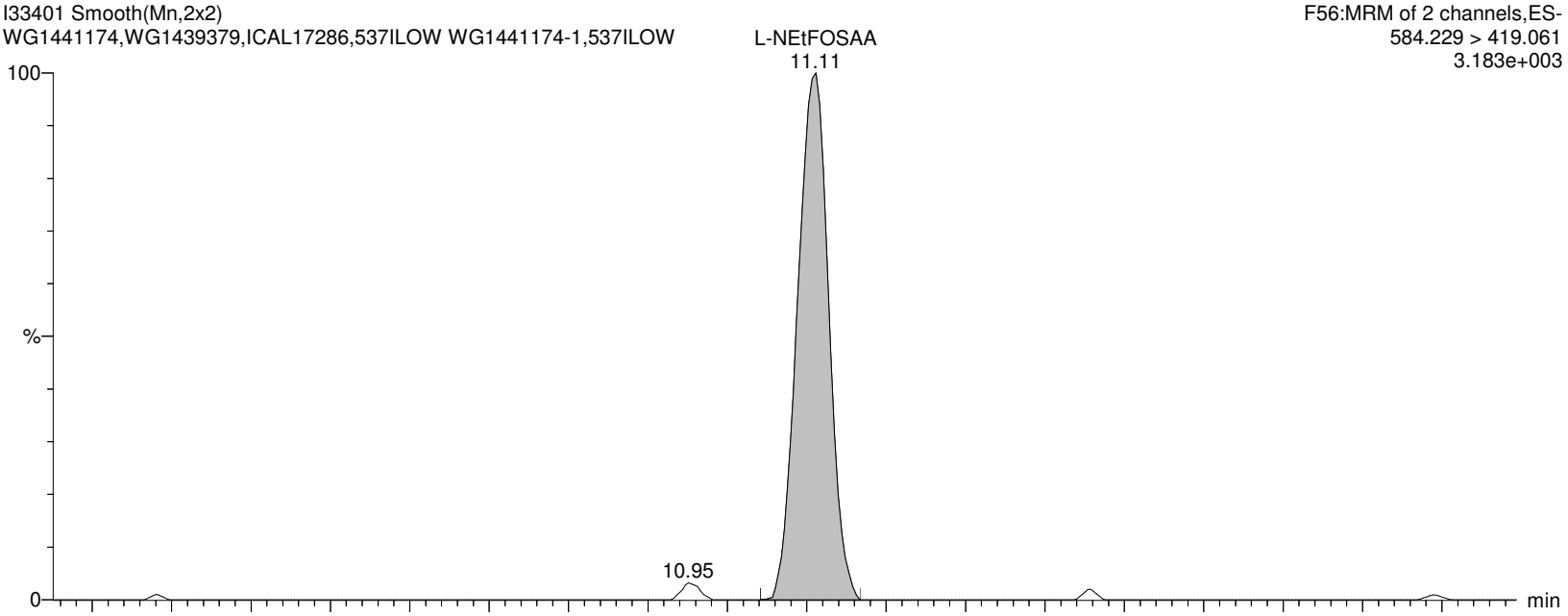

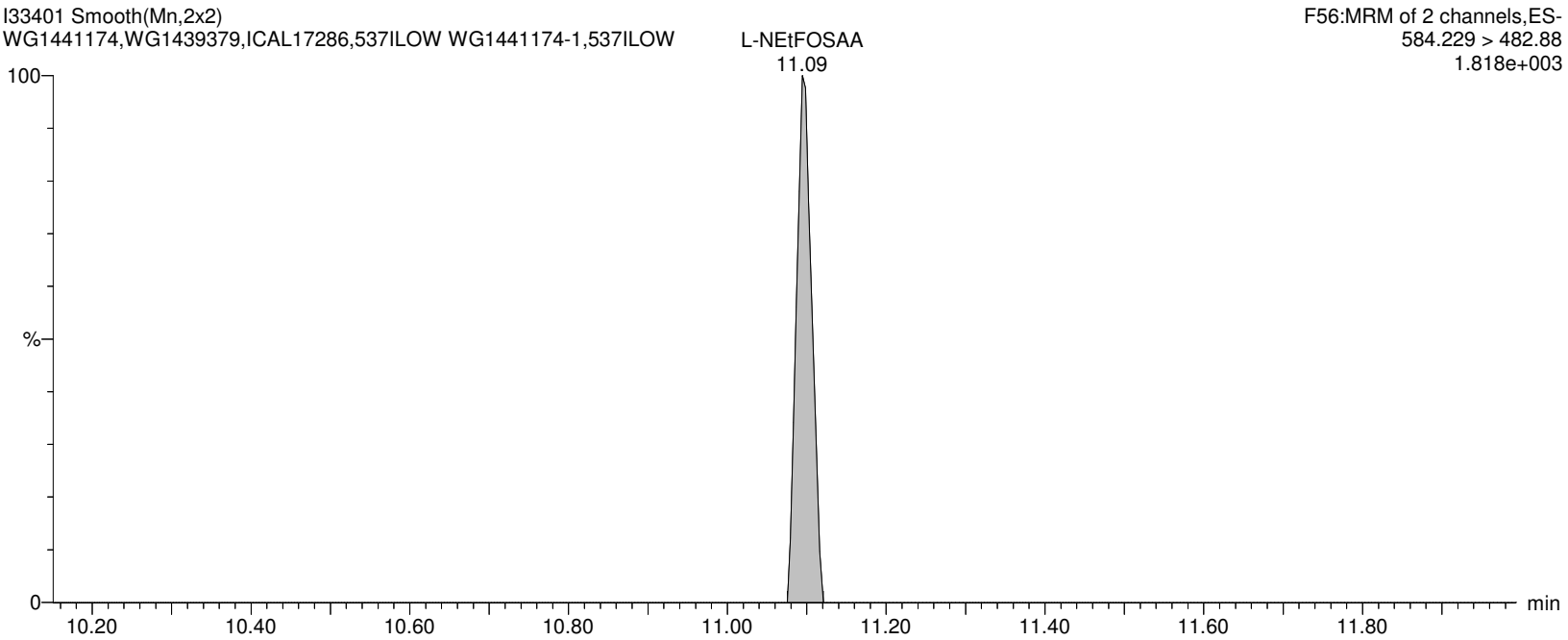

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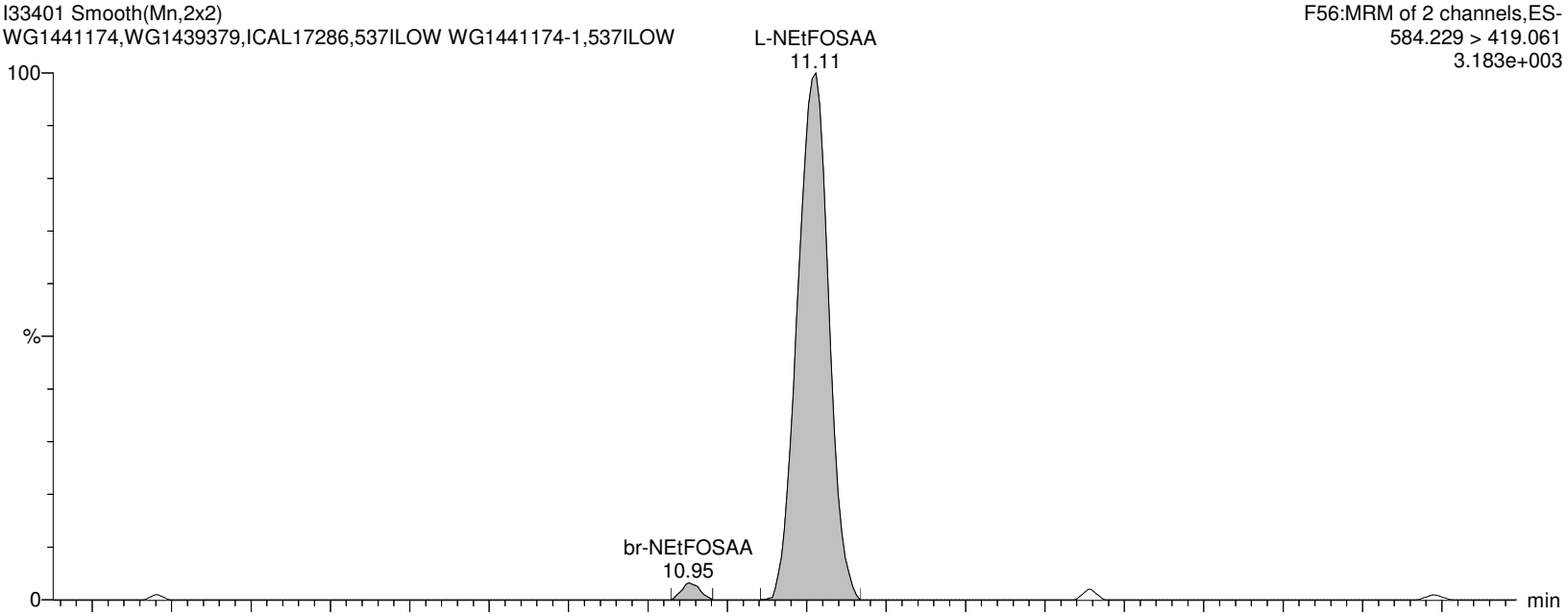

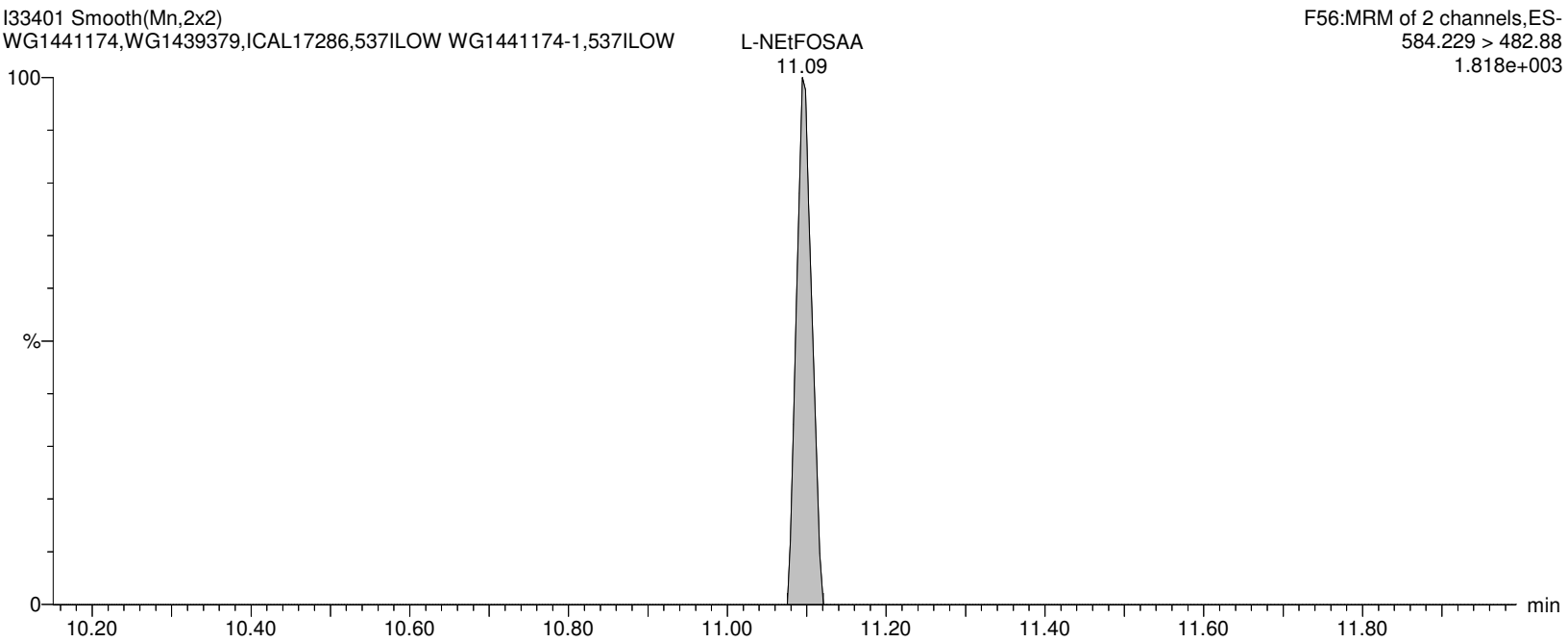

all concentration units in (ng/mL)

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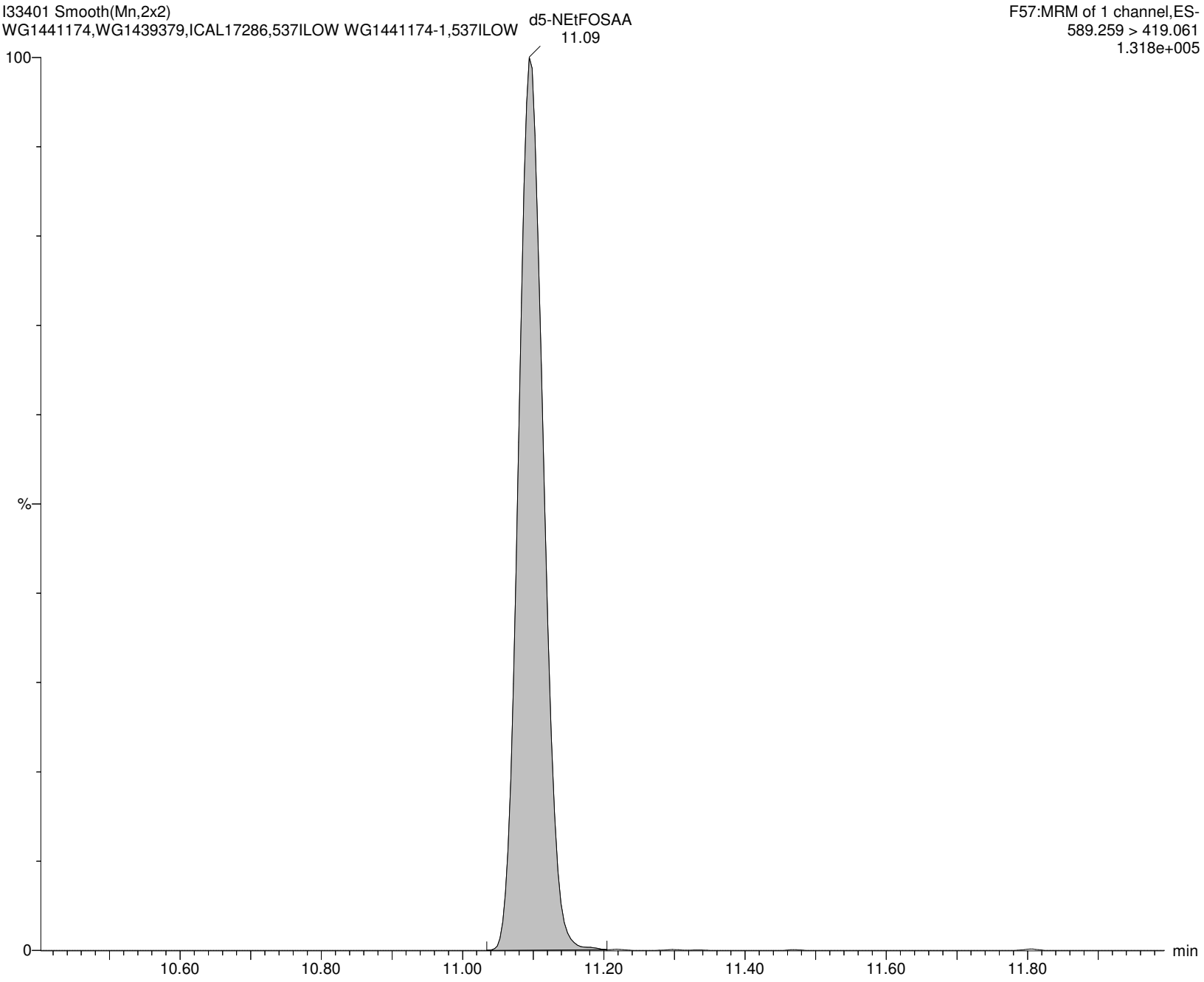

all concentration units in (ng/mL)

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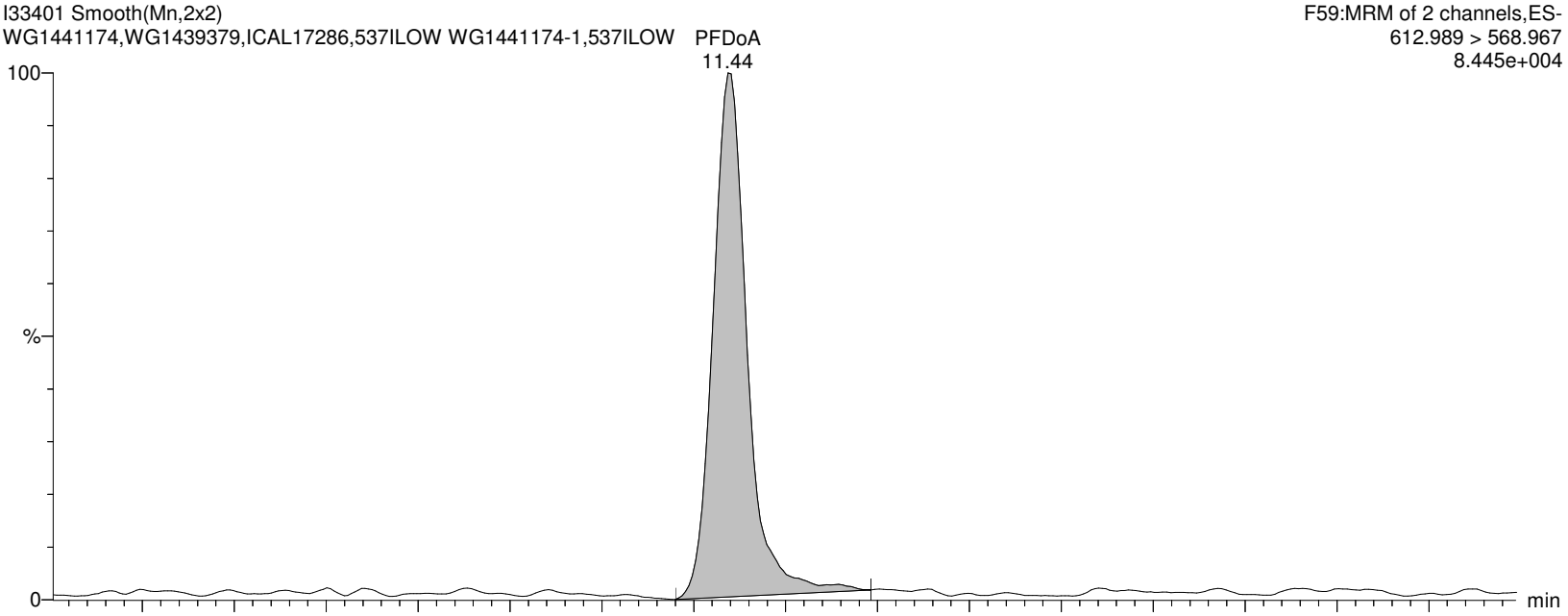

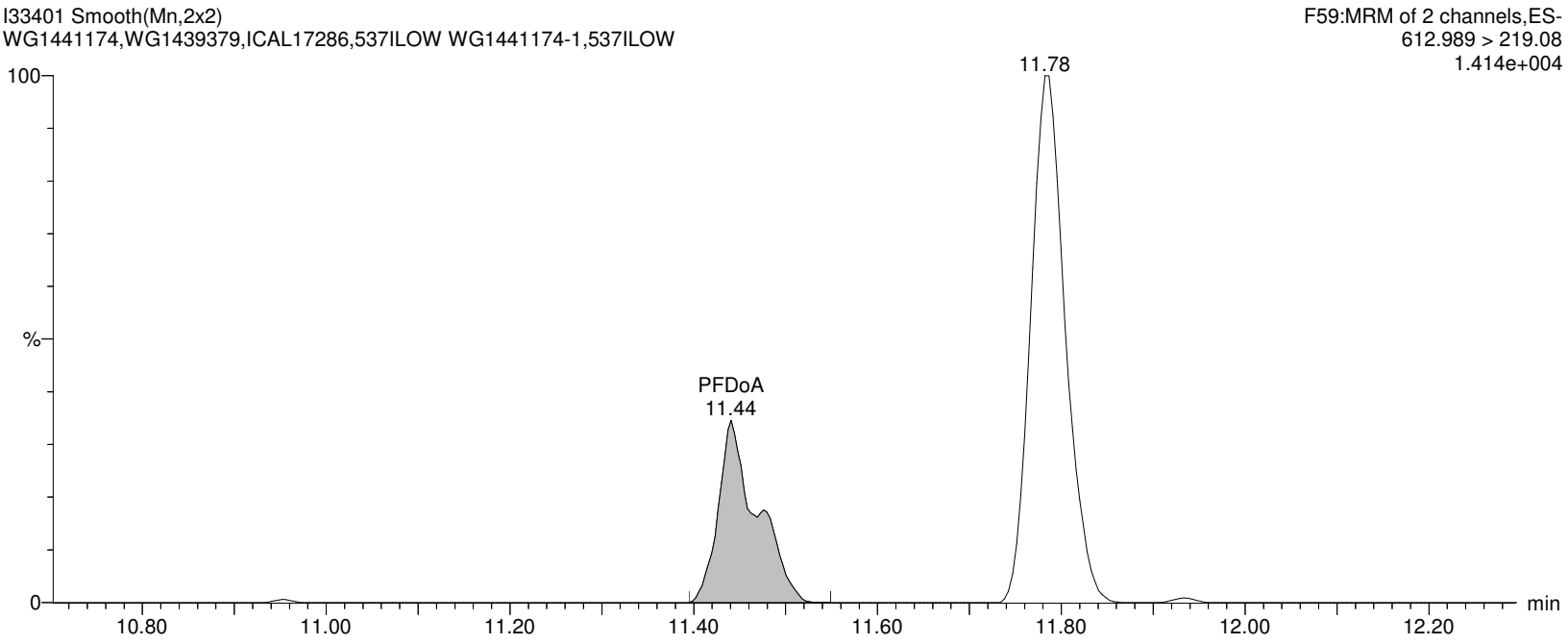

all concentration units in (ng/mL)

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Vial: 1:A,2
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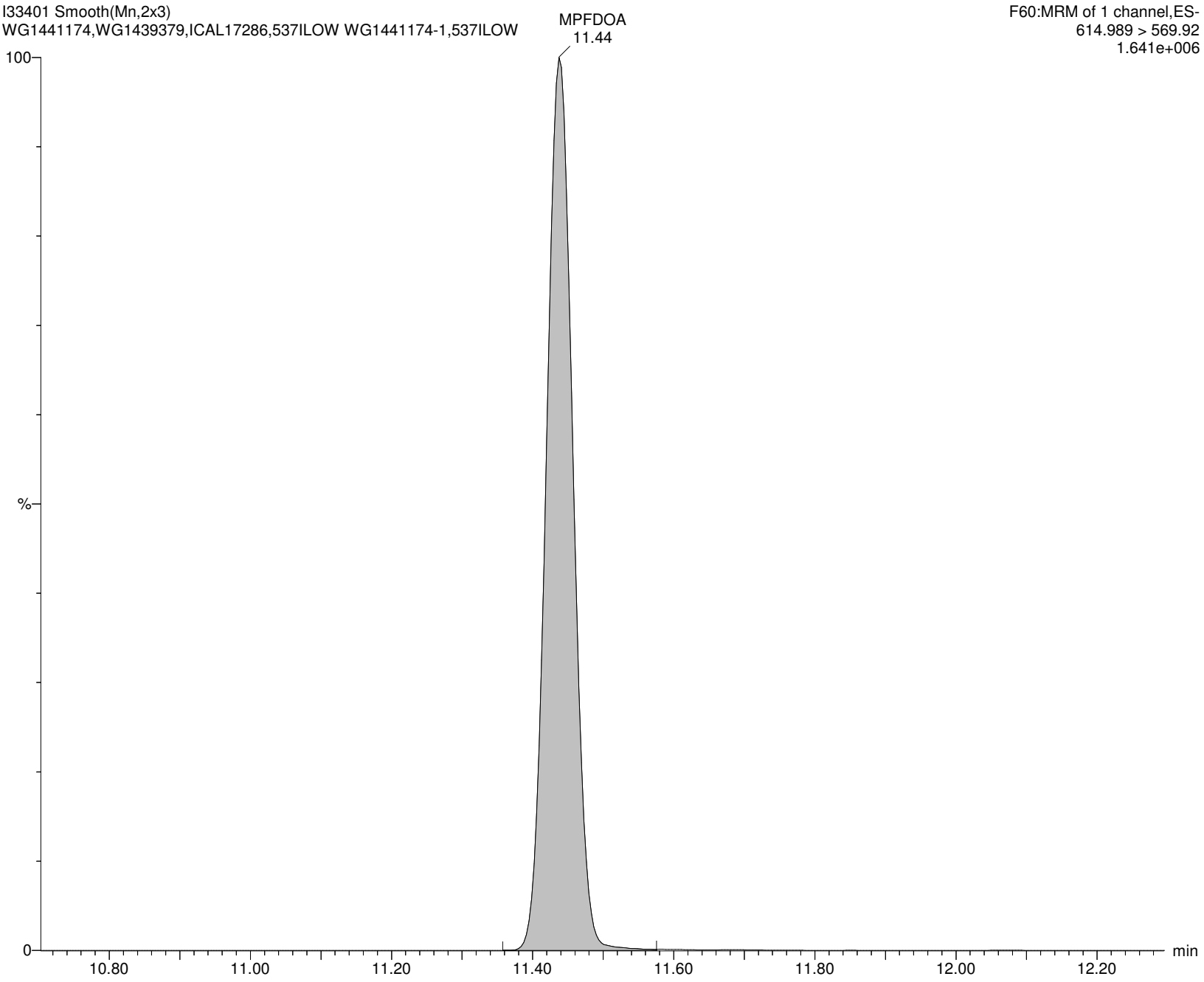

all concentration units in (ng/mL)

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Vial: 1:A,2
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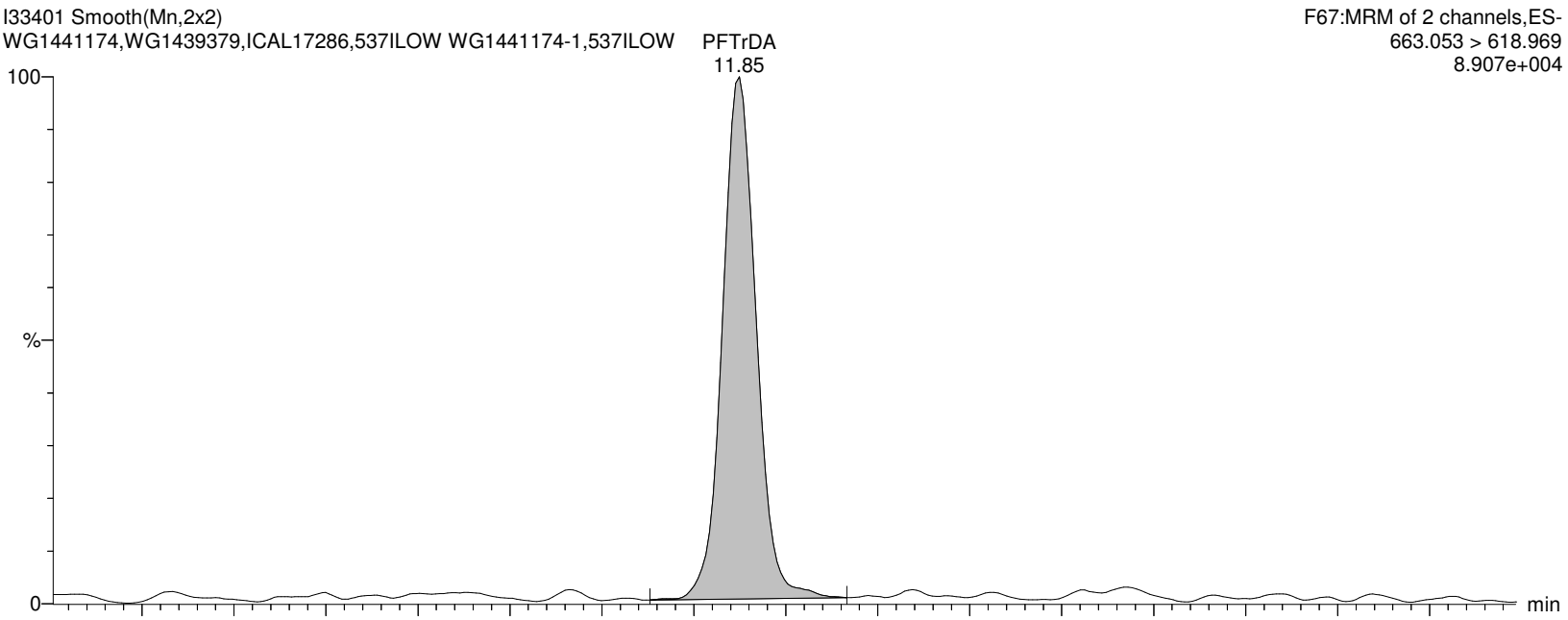

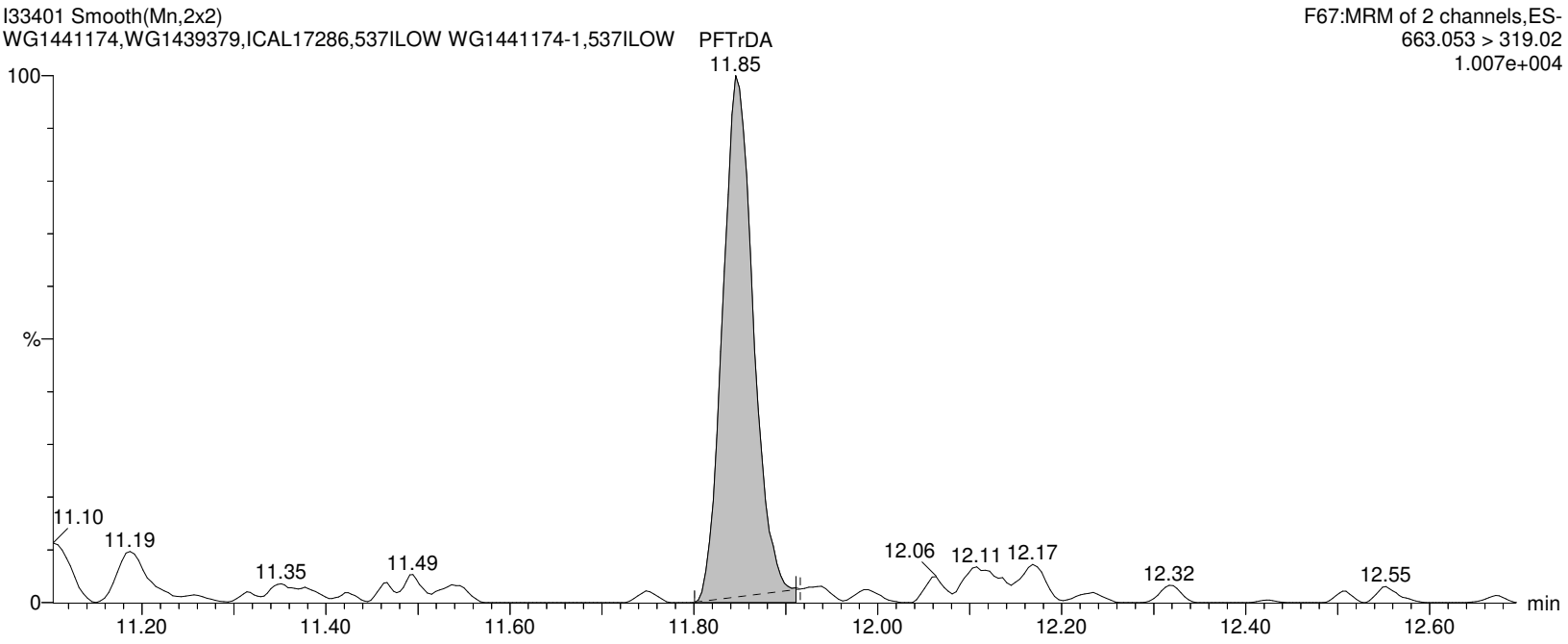

all concentration units in (ng/mL)

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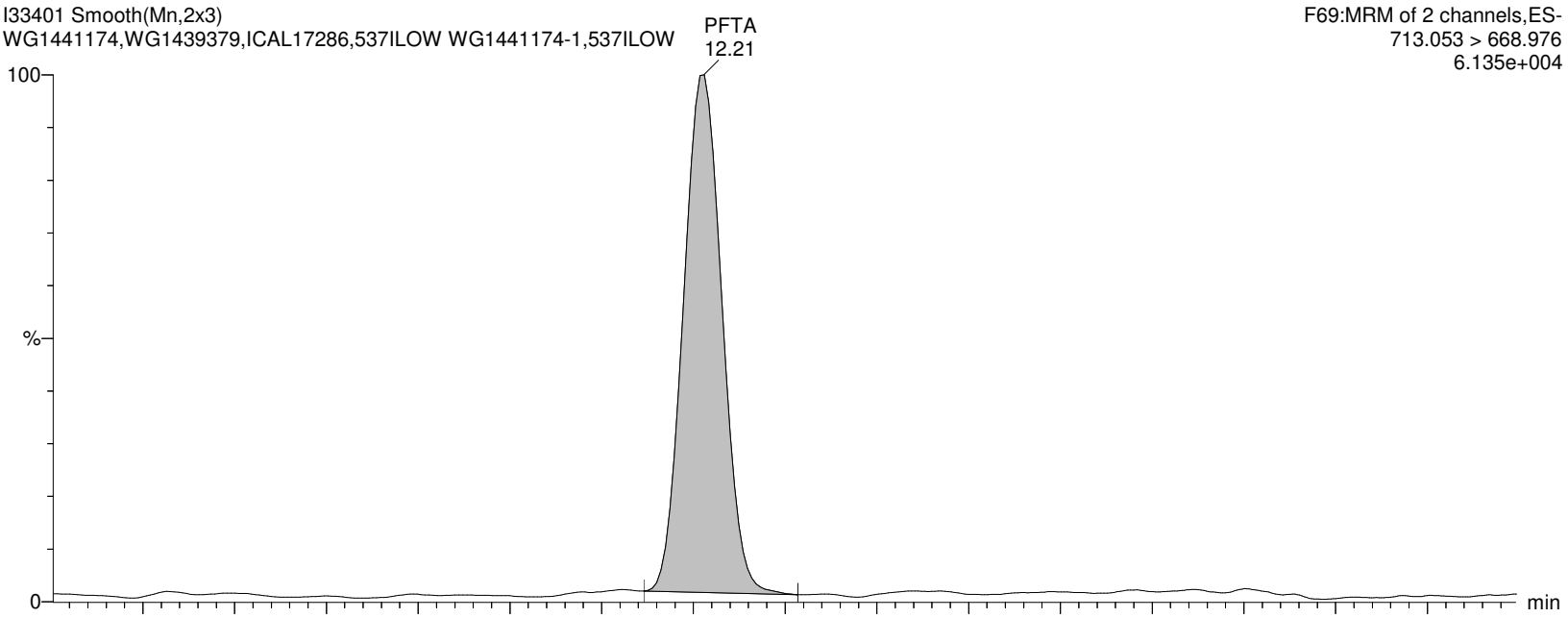

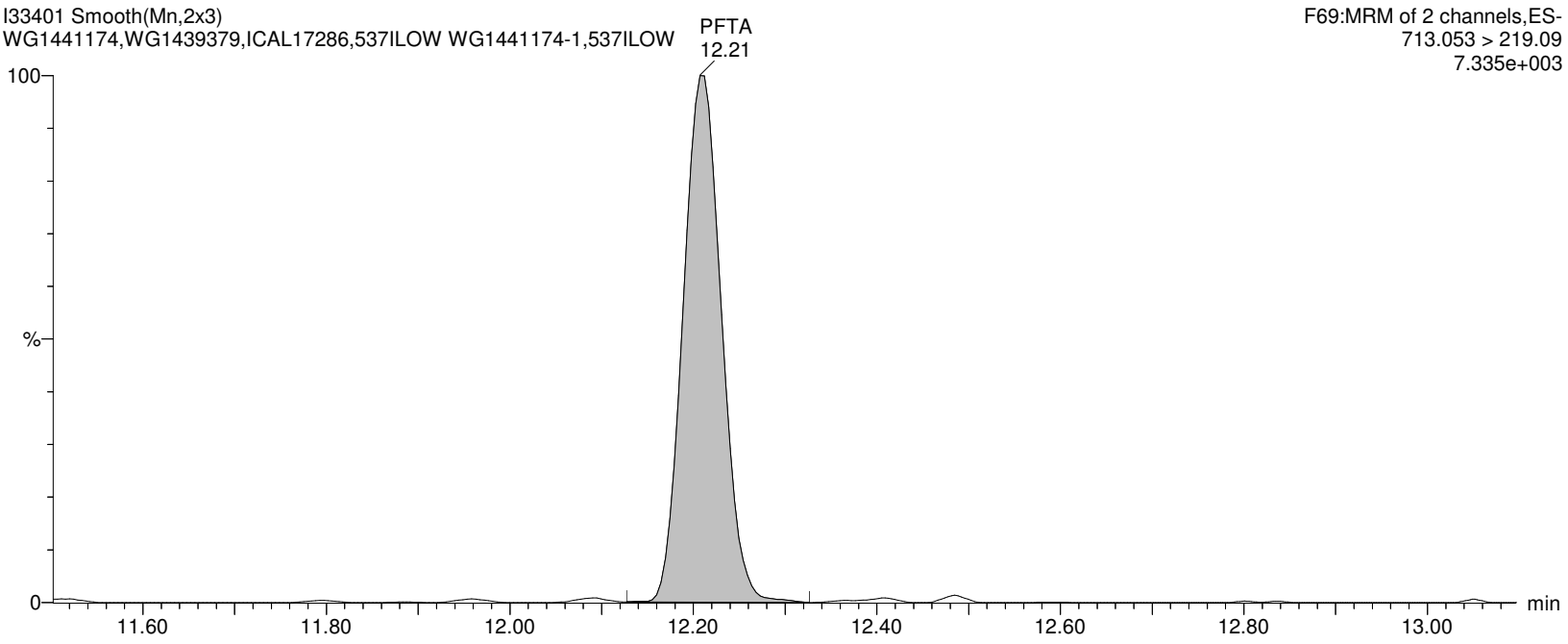

all concentration units in (ng/mL)

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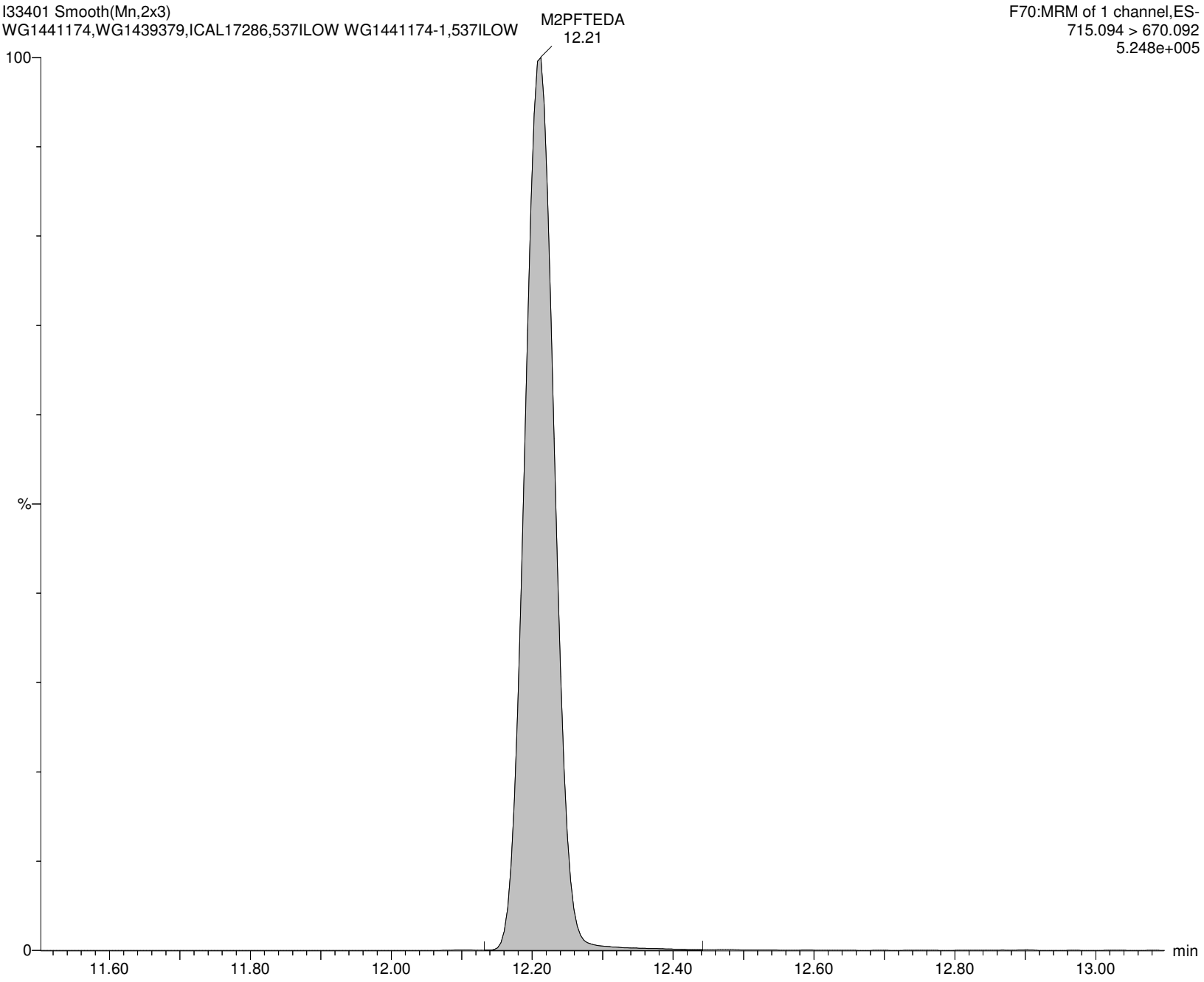

all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Sunday, December 06, 2020 21:45:26 Eastern Standard Time
Printed: Sunday, December 06, 2020 21:46:38 Eastern Standard Time

Method: C:\MassLynx\Data\2020\201204_537ISO.PRO\MethDB\537ISO_Q_201027_TOP_RT.mdb 06 Nov 2020 07:37:19
Calibration: C:\MassLynx\Data\2020\201204_537ISO.PRO\CurveDB\201027_ISO_ICAL.cdb 28 Oct 2020 09:14:48

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Name: I33417
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Time: 16:12:23
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MS Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4	2.16	212.926 > 169.111	34434		10.820		na	108.2
2	M3PFBA	INT STD	2.16	215.926 > 172.122	37747		12.852		na	128.5
3	MPFBA	INT STD	2.16	216.926 > 172.137	41594		9.114		na	91.1
4	PFPeA	2706-90-3	4.97	262.926 > 219.002	48776		11.181		na	111.8
5	M5PFPEA	INT STD	4.96	267.989 > 223.081	60936		10.370		na	103.7
6	PFBS	375-73-5	5.60	298.926 > 79.923	10233		9.889	1.95	NO	111.7
7	M3PFBS	INT STD	5.60	301.989 > 80.254	9794		8.842		na	88.4
8	4:2FTS	757124-72-4	6.75	326.926 > 306.957	3241	m7	13.006	2.33	NO	139.1
9	M2-4:2FTS	INT STD	6.74	329.117 > 309.079	4102		10.106		na	101.1
10	PFHxA	307-24-4	6.83	312.989 > 269.028	57859		10.832	16.18	NO	108.3
11	M5PFHxA	INT STD	6.82	317.989 > 273.045	58573		9.645		na	96.5
12	PFPeS	2706-91-4	7.14	348.926 > 80.251	9306		10.255	2.11	NO	109.1
13	PFHpA	375-85-9	8.10	362.926 > 319.014	79634		10.662	5.71	NO	106.6
14	M4PFHpA	INT STD	8.10	366.926 > 321.979	77334		10.149		na	101.5
15	br-PFHxS	355-46-4	8.03	398.926 > 80.295	1635	m5,m7	2.089	1.97	NO	122.9
16	L-PFHxS	355-46-4	8.26	398.926 > 80.295	7972		8.117	1.49	NO	109.7
17	PFHxS	355-46-4		398.926 > 80.295	9607		10.206		na	
18	M3PFHxS	INT STD	8.26	401.926 > 80.317	9452		9.642		na	96.4
19	br-PFOA	335-67-1		412.989 > 368.9			ND		YES	
20	L-PFOA	335-67-1	9.05	412.989 > 368.9	85852		10.988	8.03	YES	109.9
21	M2PFOA	INT STD	9.05	415.032 > 369.968	93492		14.970		na	149.7
22	PFOA	335-67-1		412.989 > 368.9	85852		10.988		na	
23	M8PFOA	INT STD	9.05	420.989 > 375.979	93501		9.108		na	91.1
24	6:2FTS	27619-97-2	9.00	427.161 > 407.155	3906		11.709	23.92	YES	123.3
25	M2-6:2FTS	INT STD	9.00	429.146 > 409.14	4264		9.615		na	96.2
26	PFHpS	375-92-8	9.14	448.926 > 80.257	7514		11.212	1.08	NO	118.0
27	PFNA	375-95-1	9.81	462.989 > 418.931	73688		10.962	3.61	NO	109.6
28	M9PFNA	INT STD	9.81	472.053 > 426.947	35991		9.154		na	91.5
29	br-PFOS	1763-23-1	9.67	498.989 > 80.294	2573	m5,m7	2.417	4.40	YES	120.9
30	L-PFOS	1763-23-1	9.86	498.989 > 80.294	7454		8.488	1.74	NO	116.3
31	PFOS	1763-23-1		498.989 > 80.294	10026		10.906		na	
32	M4PFOS	INT STD	9.86	503.032 > 80.306	9051		12.115		na	121.1
33	M8PFOS	INT STD	9.86	507.053 > 80.294	9607		8.495		na	85.0
34	PFDA	335-76-2	10.44	513.053 > 468.906	69177		10.923	5.30	NO	109.2
35	M2PFDA	INT STD	10.44	515.053 > 469.934	73840		16.999		na	170.0
36	M6PFDA	INT STD	10.44	519.053 > 473.931	73858		9.146		na	91.5
37	8:2FTS	39108-34-4	10.42	527.177 > 507.171	2470		13.483	55.32	YES	140.4
38	M2-8:2FTS	INT STD	10.43	529.162 > 509.155	3236		10.475		na	104.8
39	PFNS	68259-12-1	10.47	548.989 > 80.249	8965		11.800	1.42	NO	122.9

all concentration units in (ng/mL)

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ID: WG1441174-2,537IMED
Name: I33417
Date: 04-Dec-2020
Time: 16:12:23
Description: WG1441174,WG1440666,ICAL17286,537IMED
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:JW
Inlet Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\200520_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.82	573.22 > 419.061	7543		8.960		na	89.6
41	br-NMeFOSAA		10.67	570.202 > 419.061	558	m5,m7	2.043	0.94	YES	85.1
42	L-NMeFOSAA		10.82	570.202 > 419.061	5323		7.693	2.24	YES	101.2
43	NMeFOSAA	2355-31-9		570.202 > 419.061	5881		9.736		na	
44	PFUnA	2058-94-8	10.98	562.989 > 518.903	67420		10.997	7.20	NO	110.0
45	M7-PFUDA	INT STD	10.98	570.053 > 524.923	65742		9.526		na	95.3
46	PFDS	335-77-3	10.99	598.926 > 80.314	9114		12.312	1.49	NO	127.6
47	FOSA	754-91-6	10.89	498.146 > 78.07	28295		10.310	151.31	YES	103.1
48	M8FOSA	INT STD	10.88	506.077 > 78.07	31451		5.888		na	58.9
49	br-NEtFOSAA		10.97	584.229 > 419.061	386	m5,m7	2.472	187.49	YES	109.9
50	L-NEtFOSAA		11.11	584.229 > 419.061	3682		9.297	4.60	NO	120.0
51	NEtFOSAA	2991-50-6		584.229 > 419.061	4068		11.768		na	
52	d5-NEtFOSAA	INT STD	11.10	589.259 > 419.061	4898		7.297		na	73.0
53	PFDoA	307-55-1	11.45	612.989 > 568.967	78610		10.931	12.94	NO	109.3
54	MPFDOA	INT STD	11.45	614.989 > 569.92	72848		9.397		na	94.0
55	PFTrDA	72629-94-8	11.86	663.053 > 618.969	85685		11.465	11.58	NO	114.6
56	PFTA	376-06-7	12.22	713.053 > 668.976	68216		13.146	8.33	NO	131.5
57	M2PFTEDA	INT STD	12.22	715.094 > 670.092	27216		7.149		na	71.5

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Calibration: C:\MassLynx\Data\2020\201204_537ISO.PRO\CurveDB\201027_ISO_ICAL.cdb 28 Oct 2020 09:14:48

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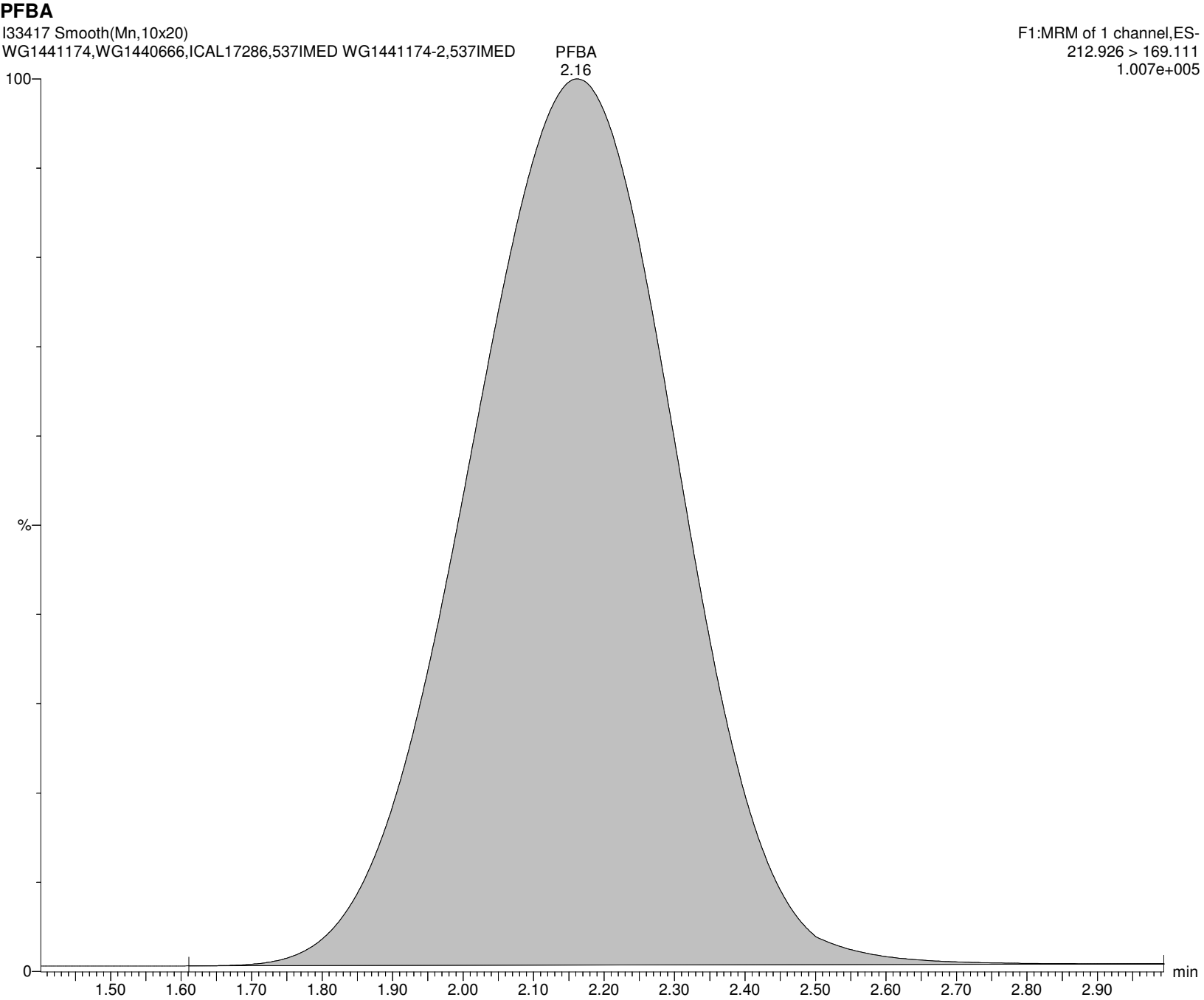

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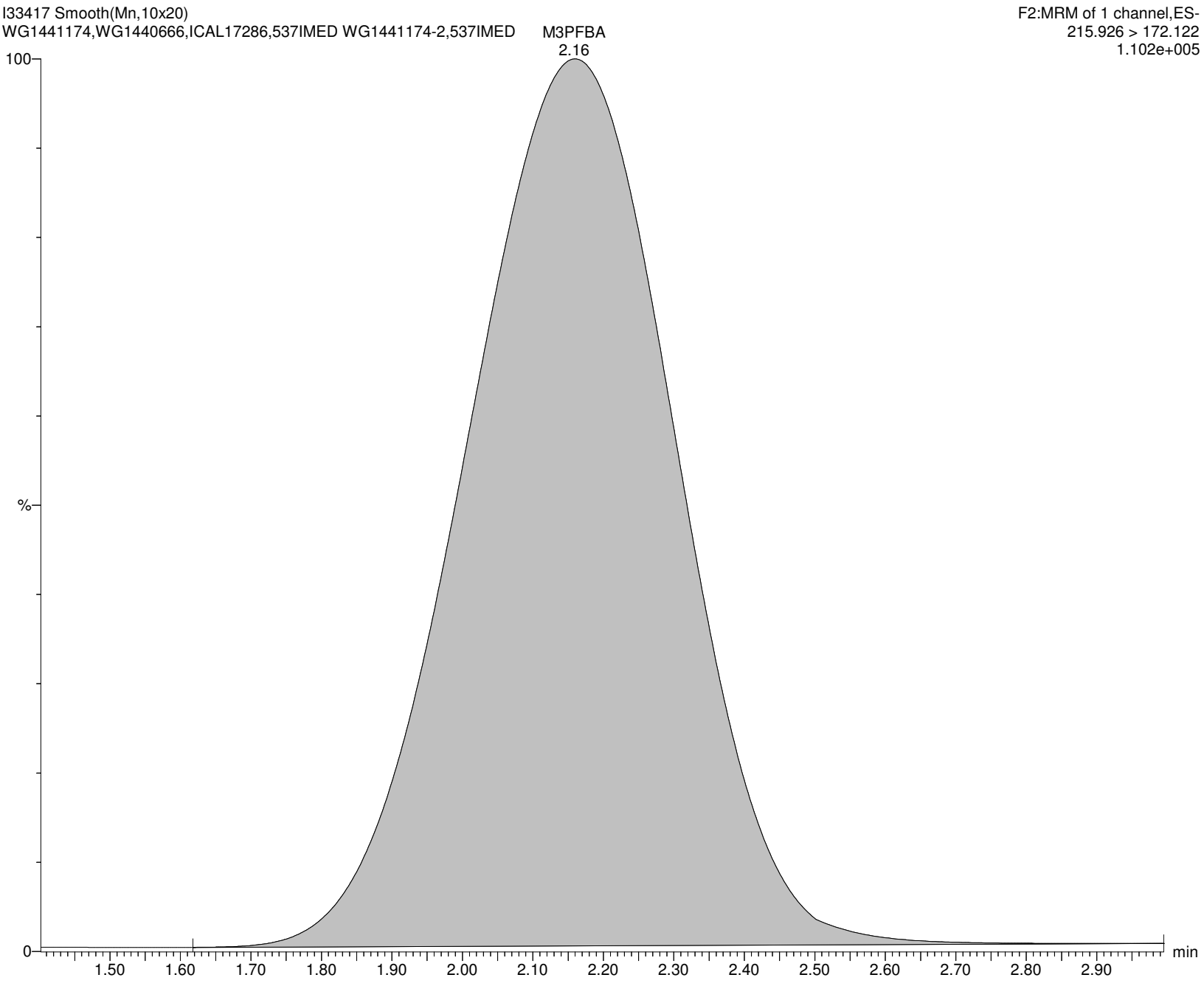

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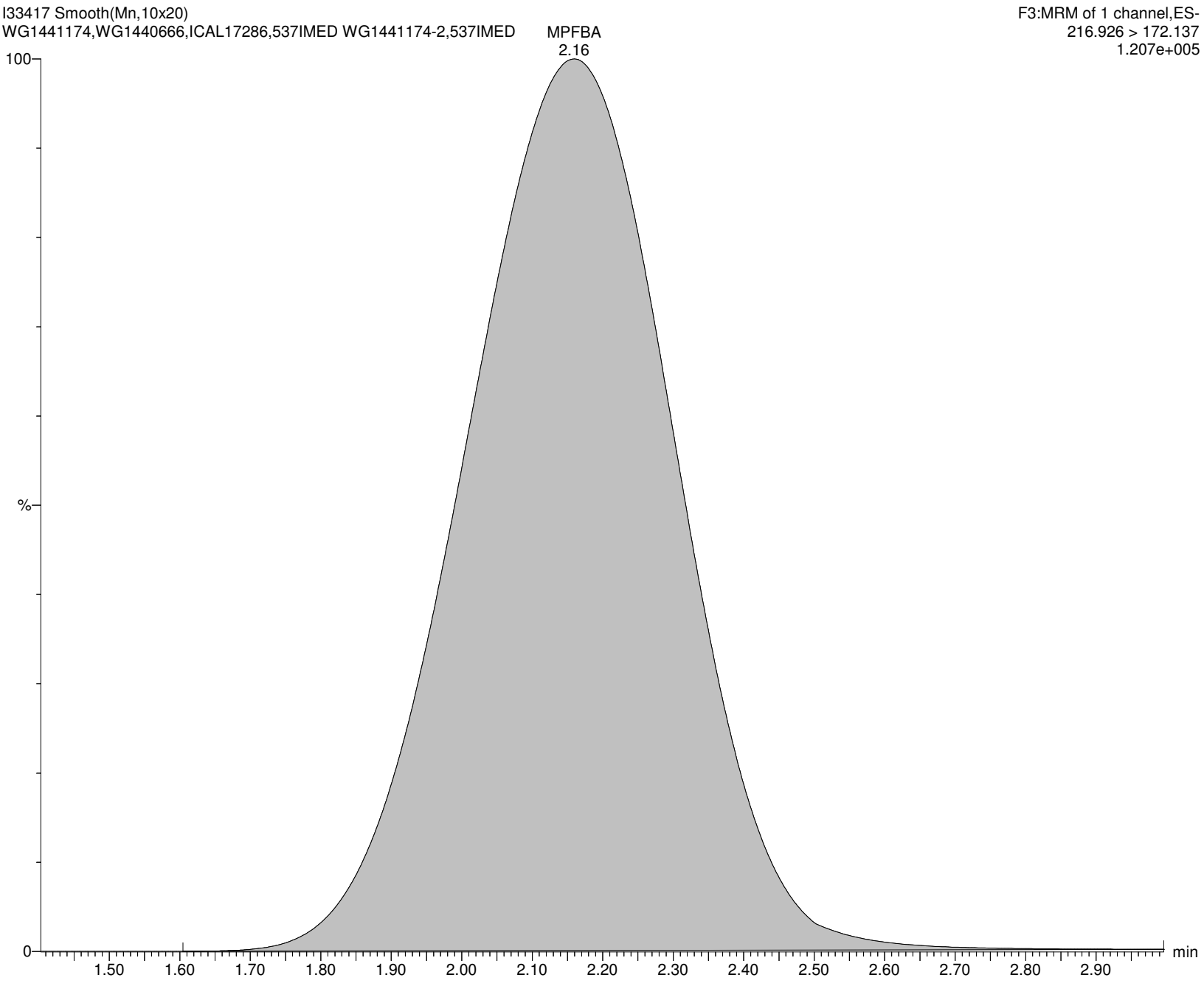

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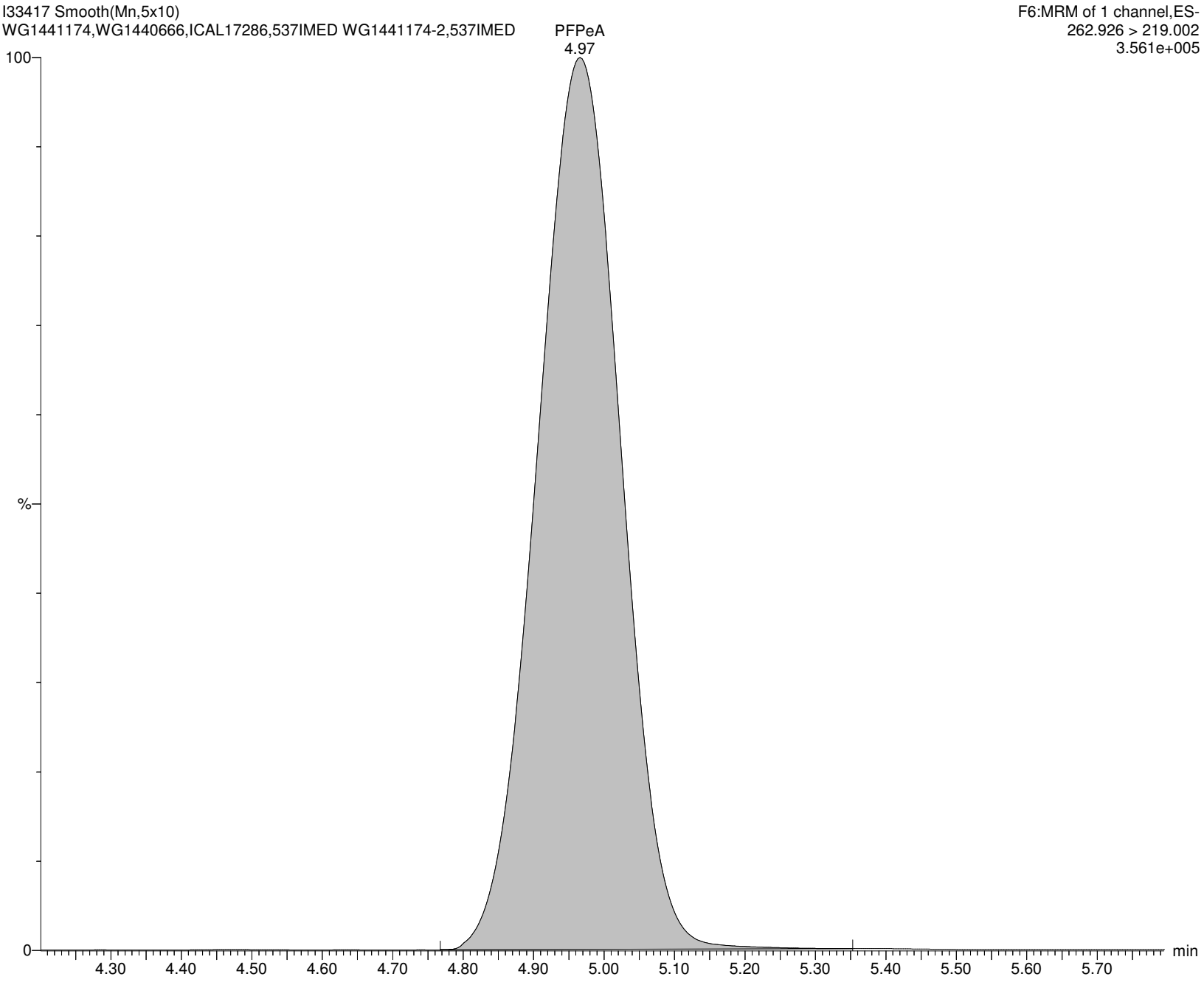

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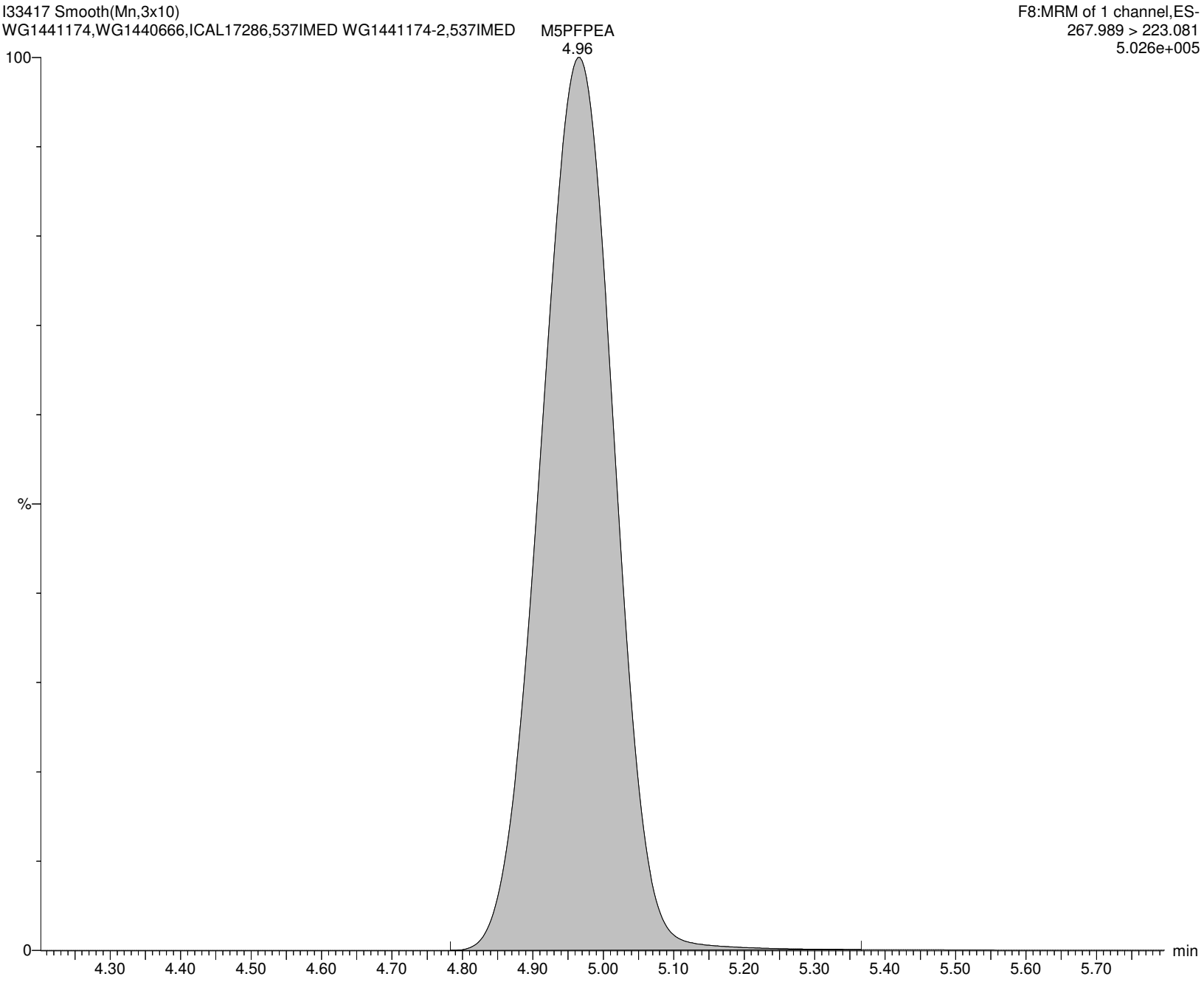

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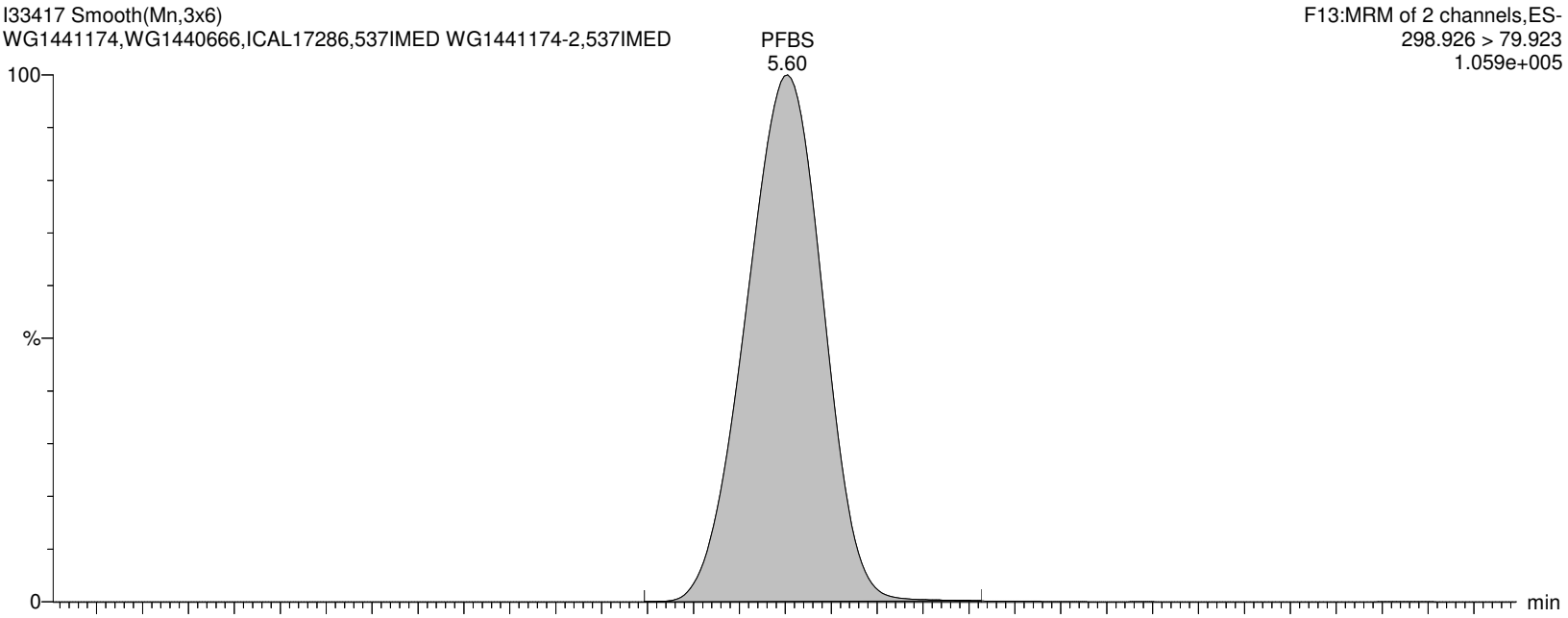

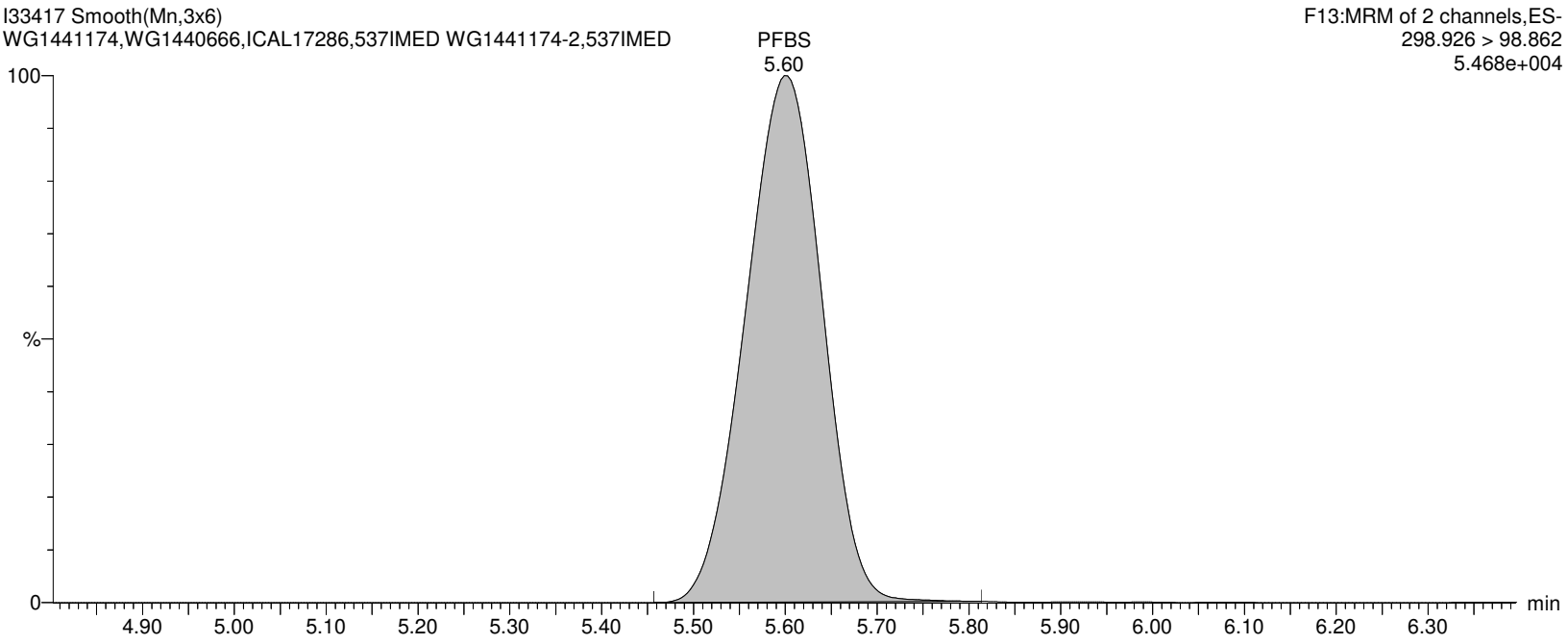

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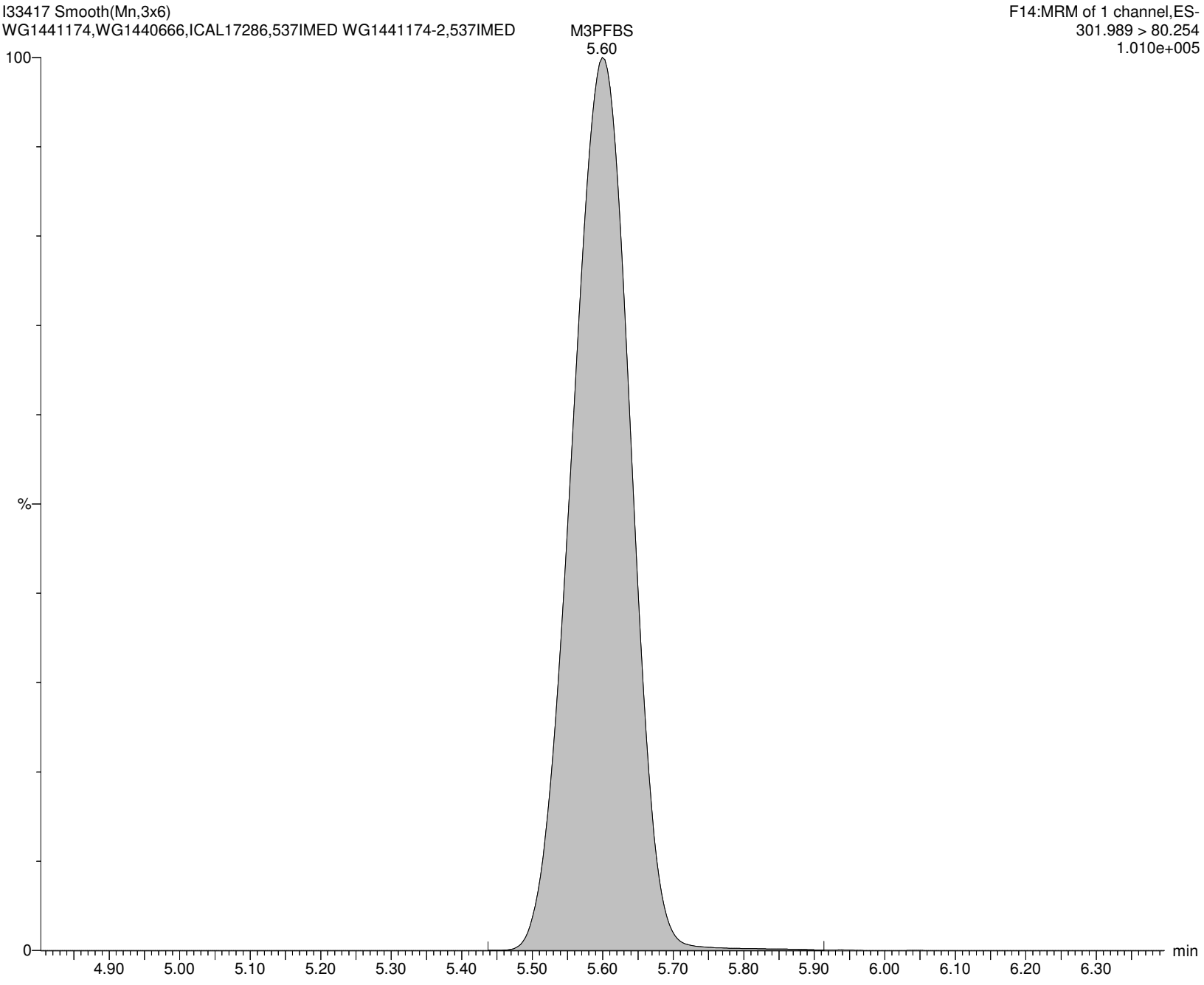

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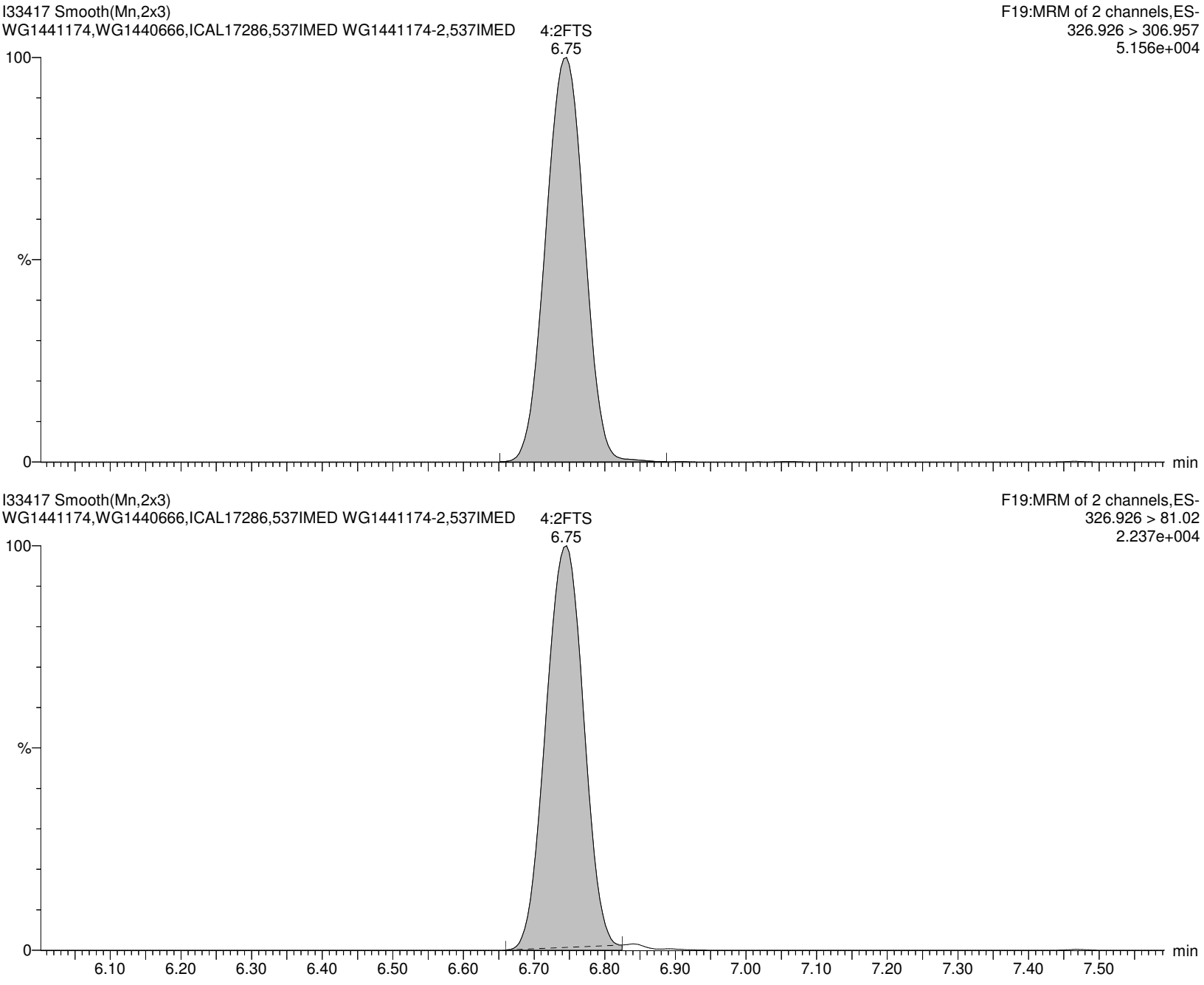

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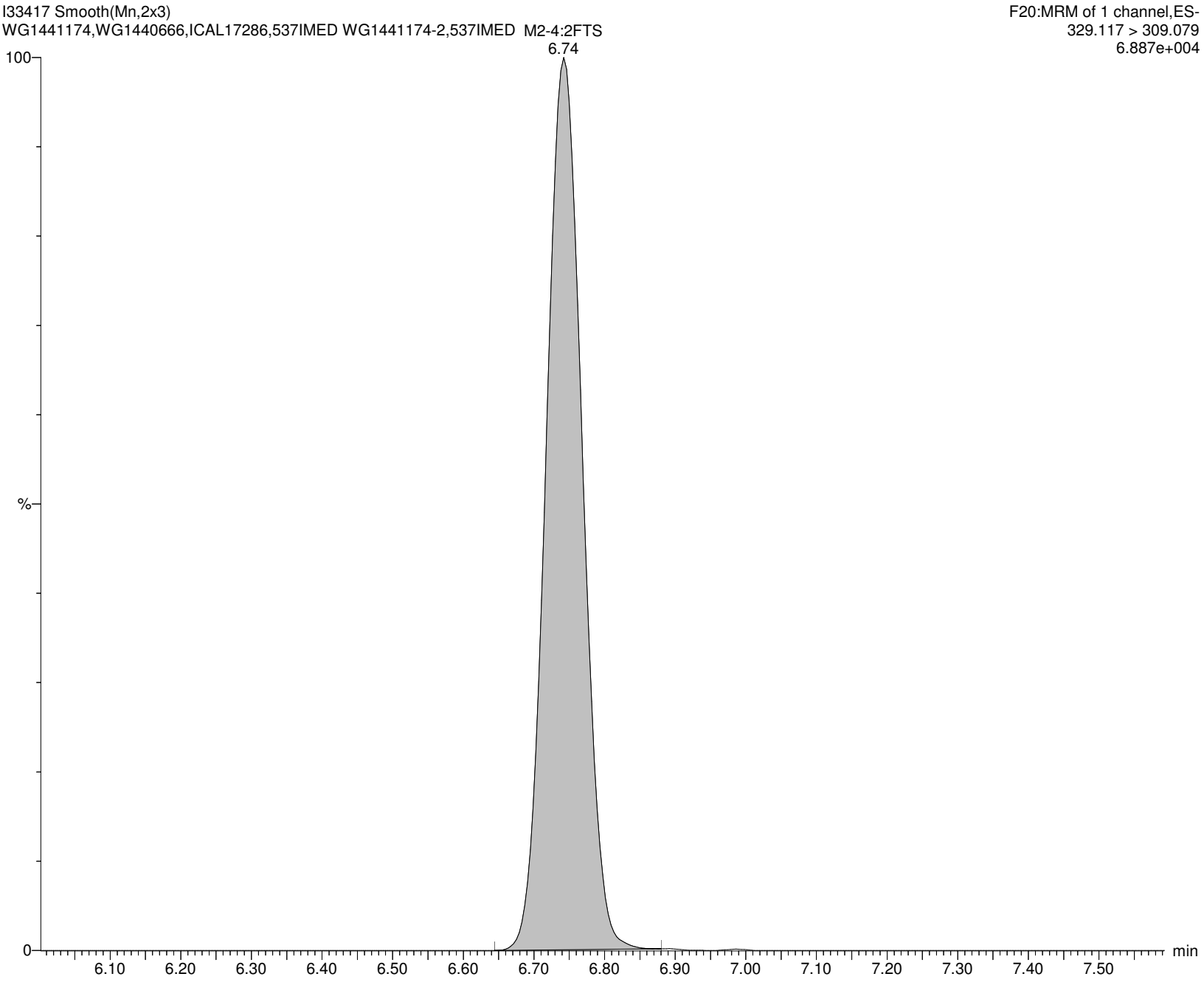

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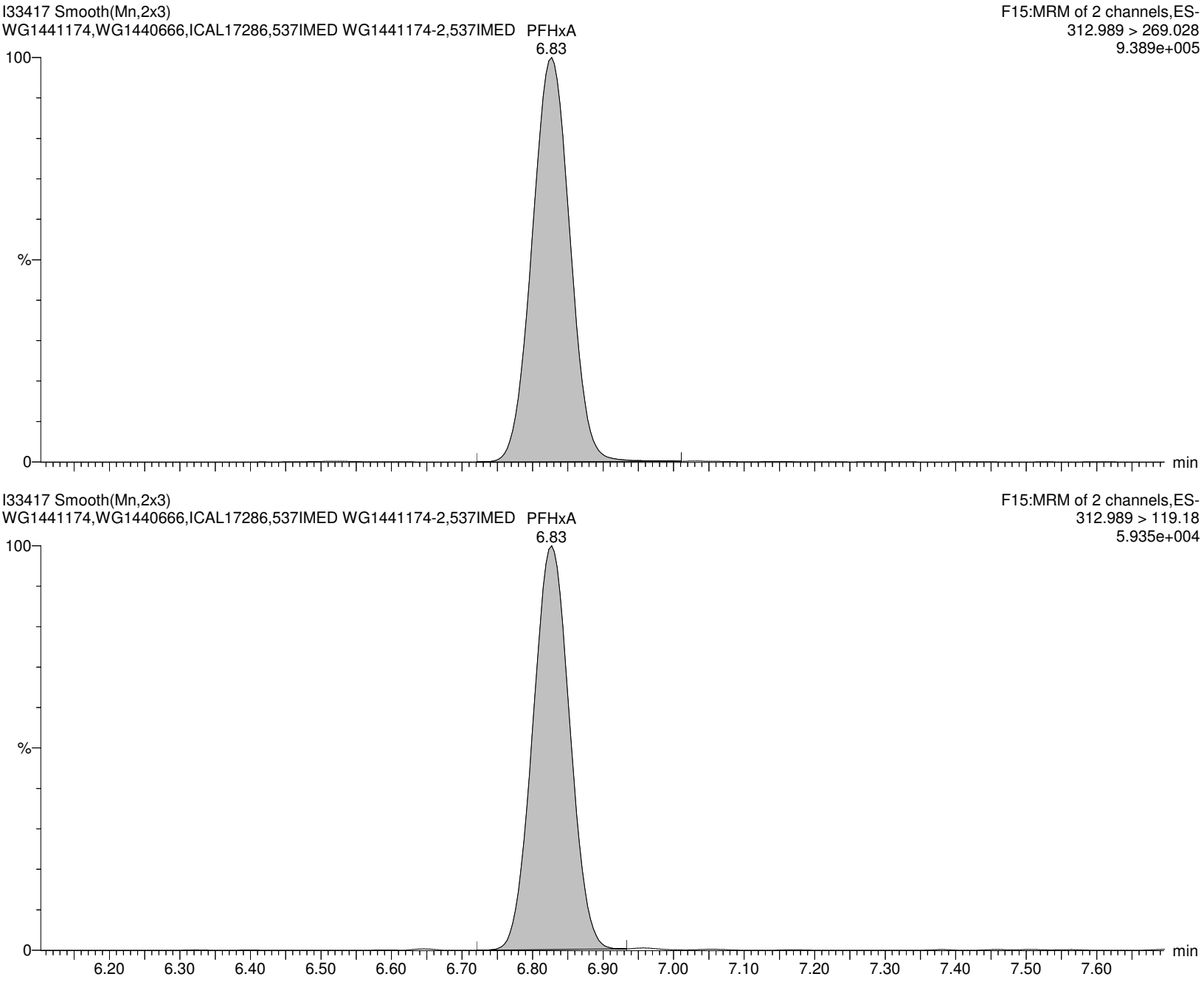

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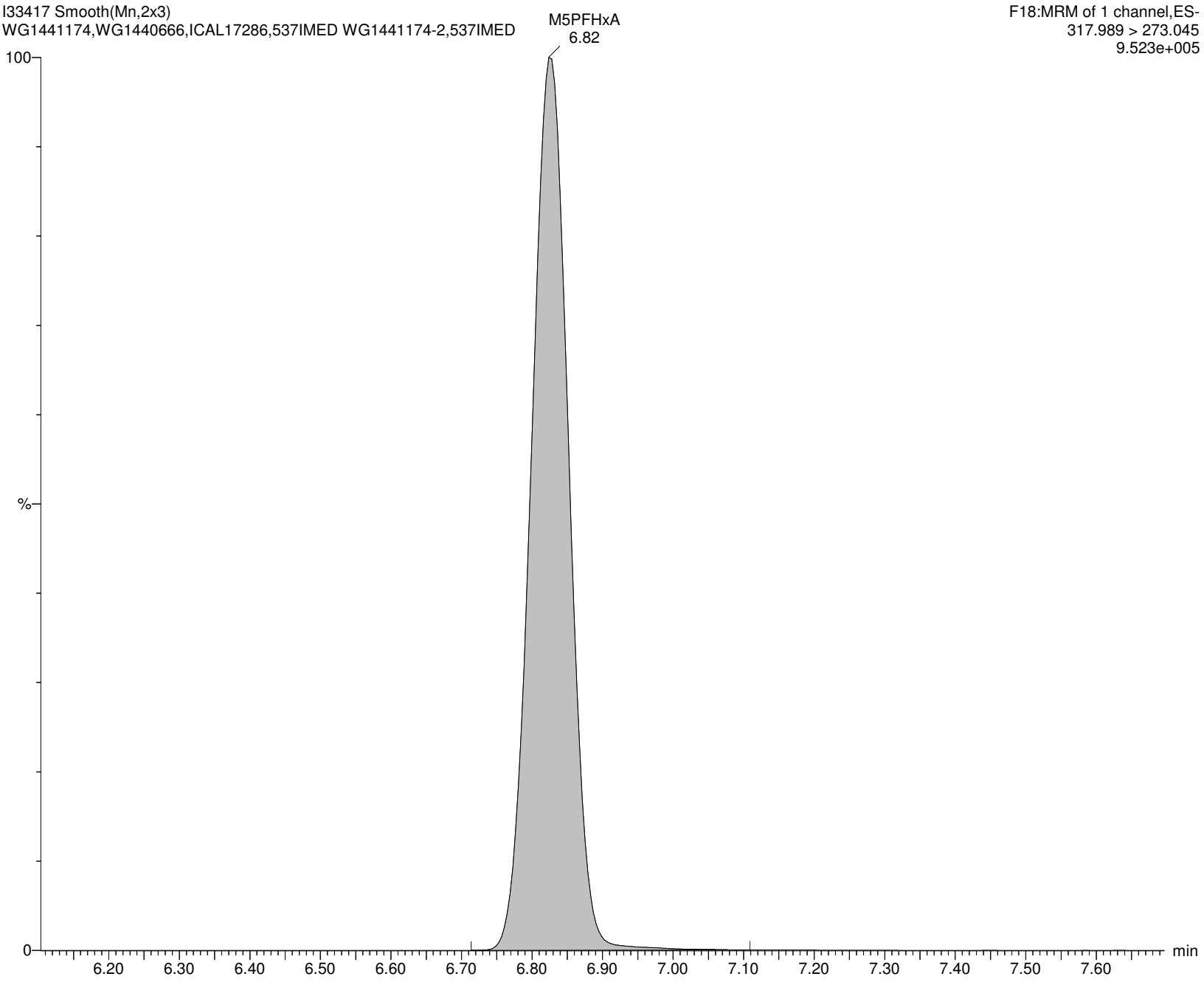

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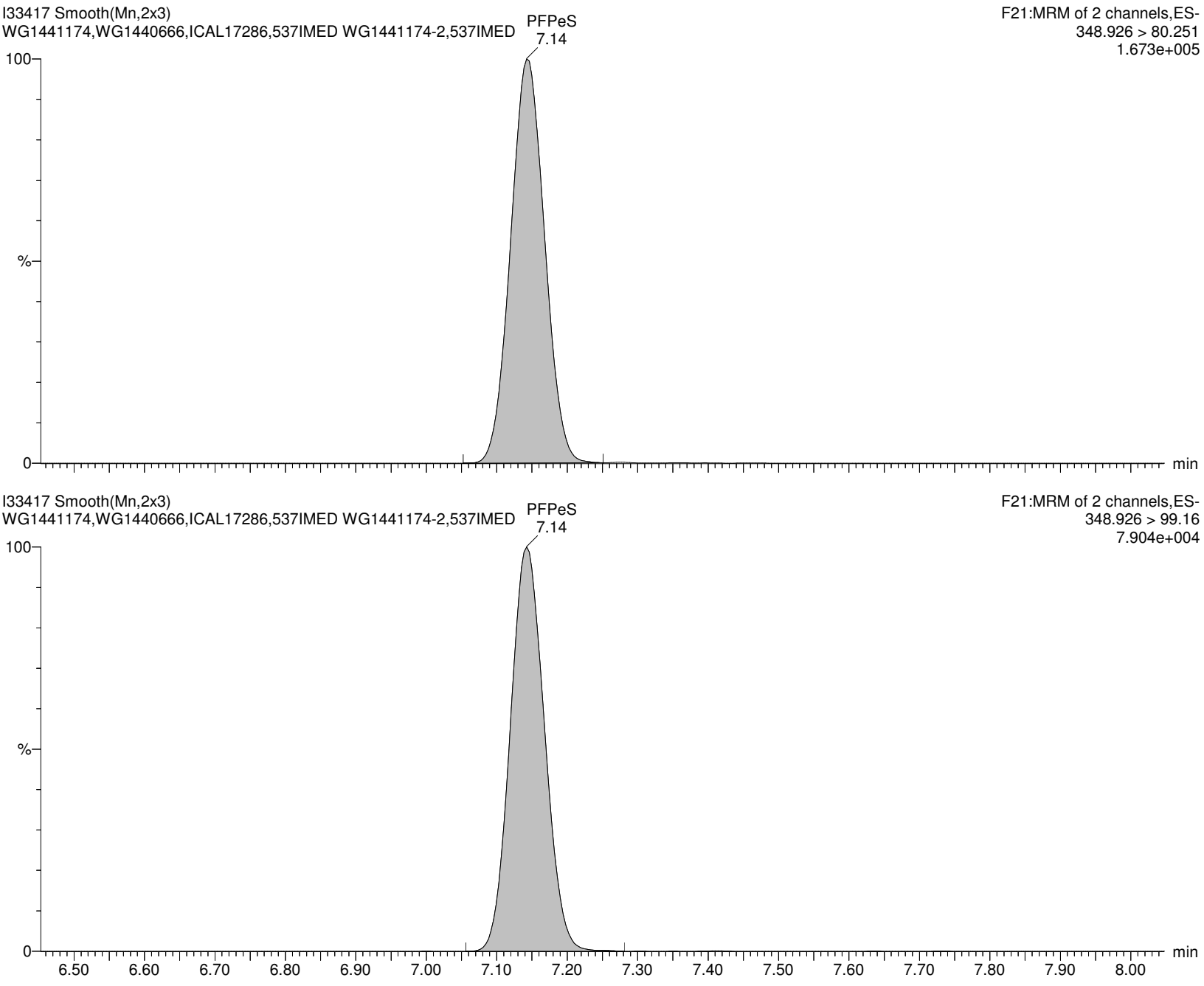

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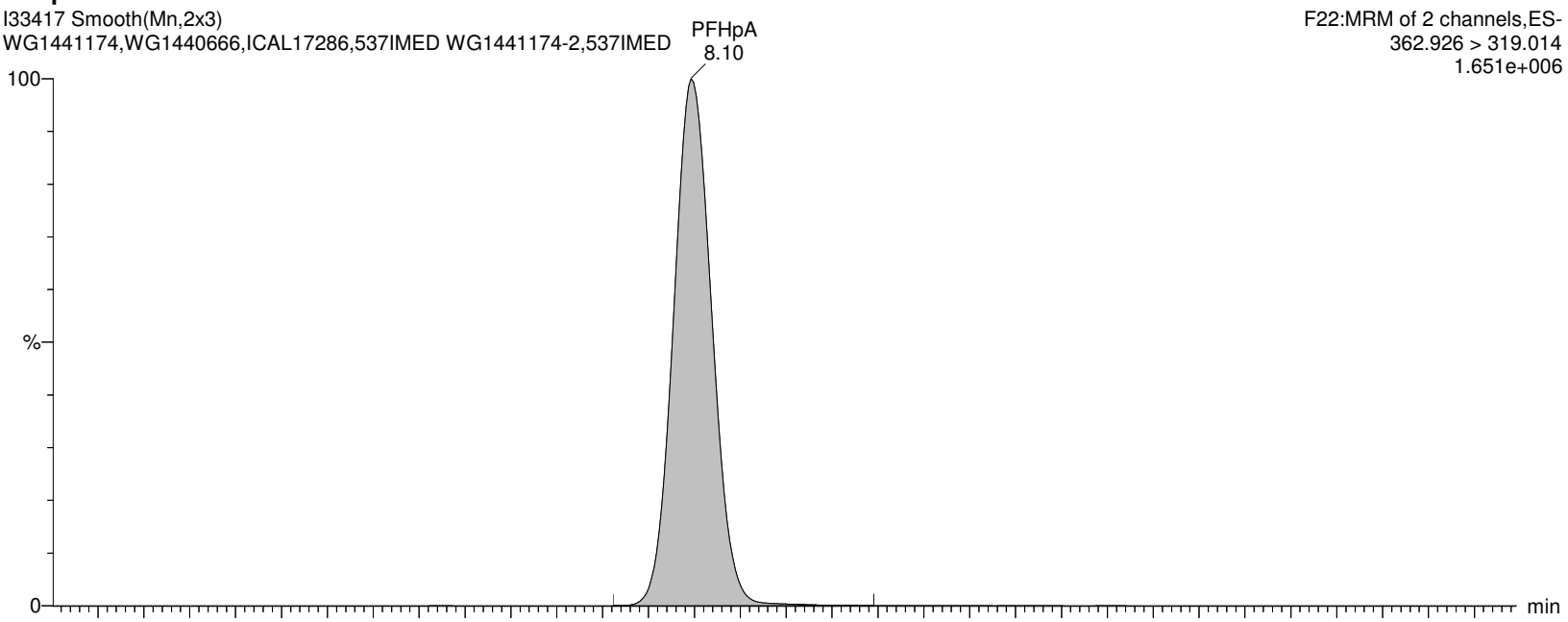

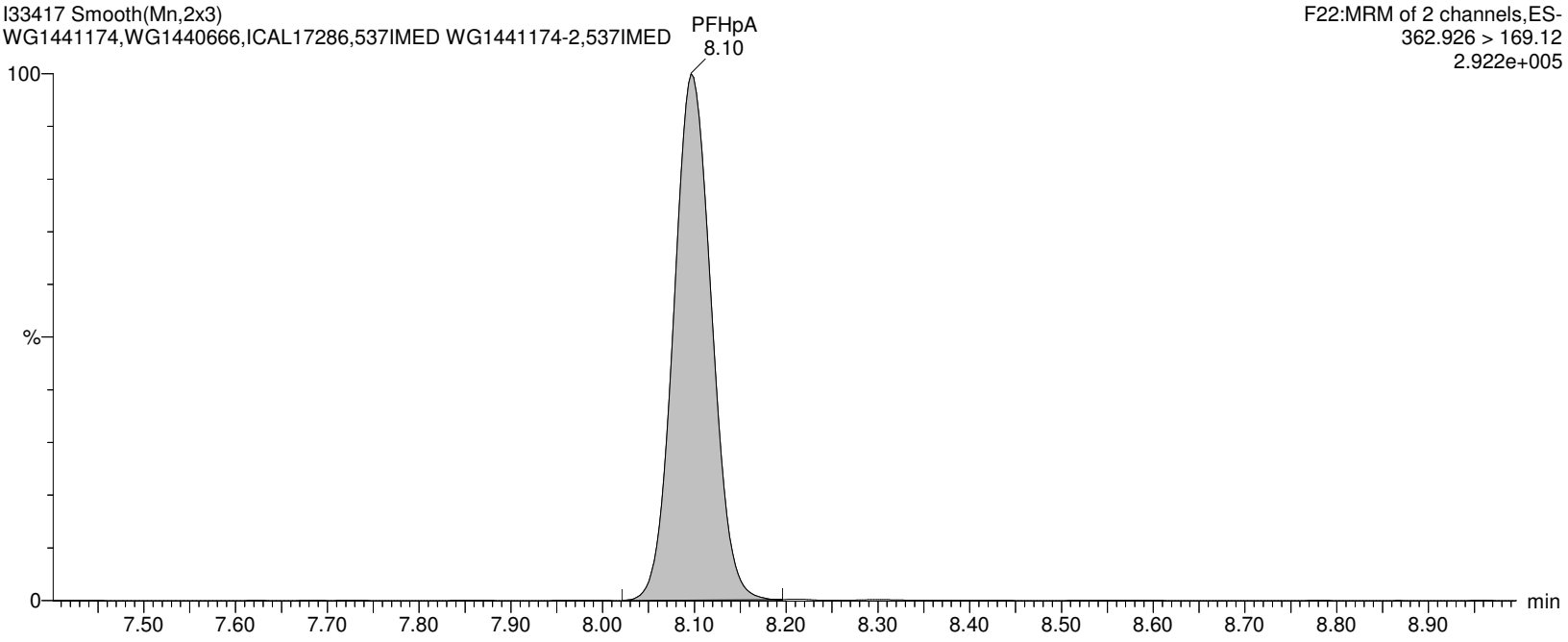

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-A.qld
Last Altered: Sunday, December 06, 2020 21:45:26 Eastern Standard Time
Printed: Sunday, December 06, 2020 21:46:38 Eastern Standard Time

Name: I33417
ID: WG1441174-2,537IMED
Date: 04-Dec-2020
Time: 16:12:23
Description: WG1441174,WG1440666,ICAL17286,537IMED
User: LCMS02:JW
Vial: 1:A,3
Instrument: XEVO-TQSmicro#QEB0050
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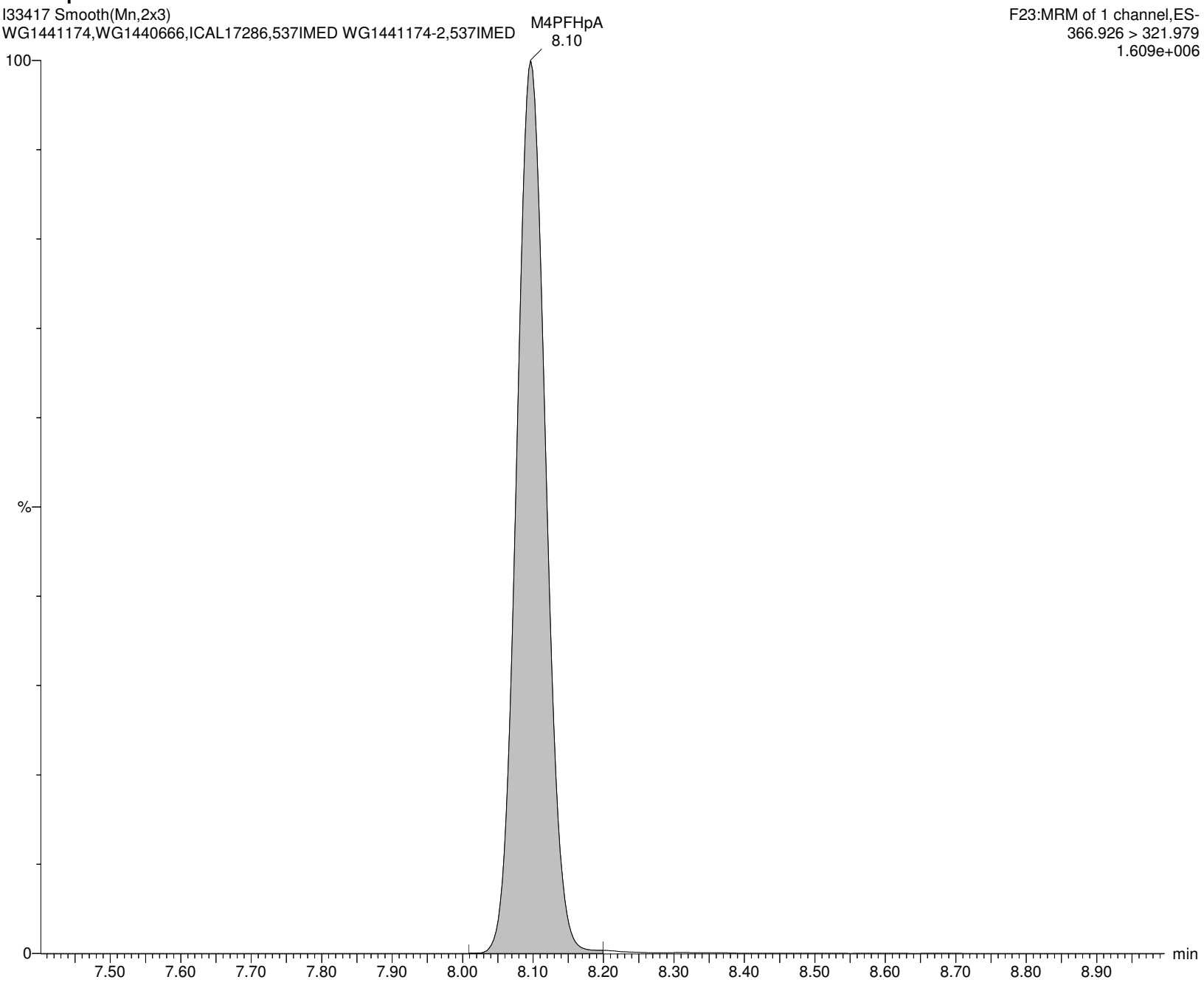

all concentration units in (ng/mL)

Alpha Analytical Inc.
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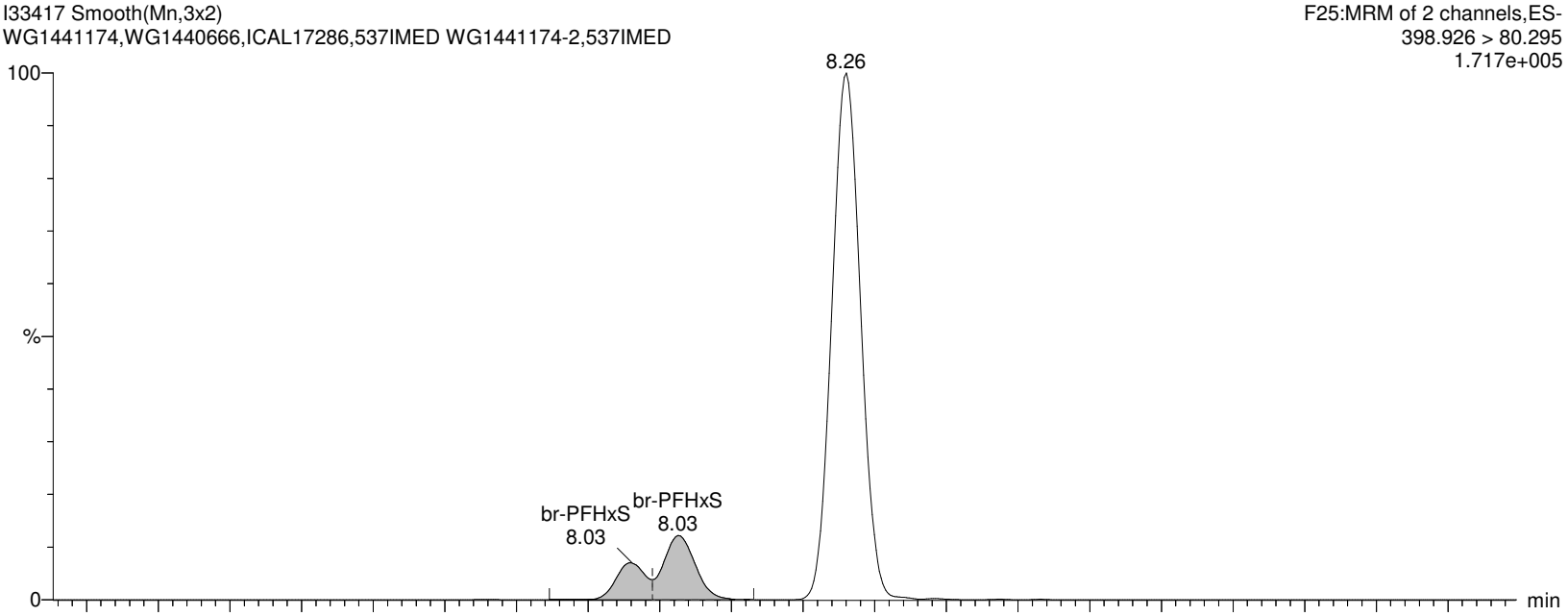

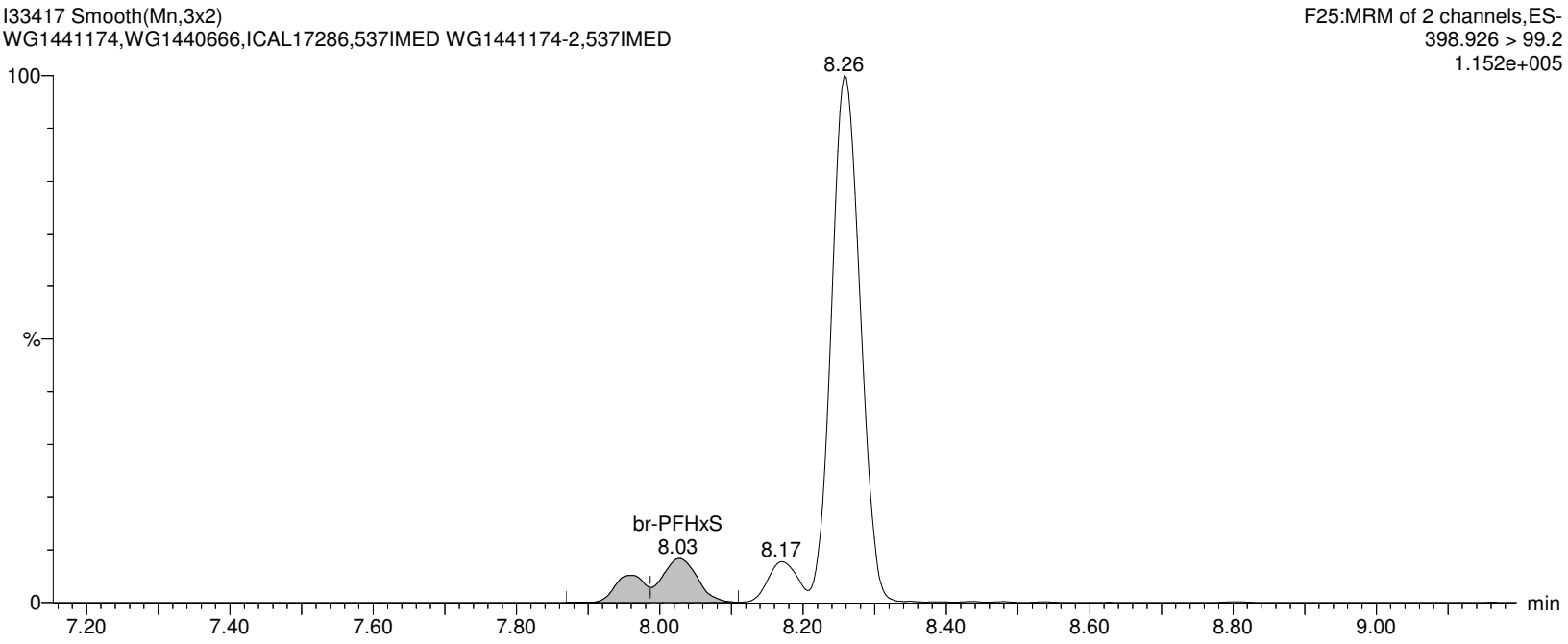

all concentration units in (ng/mL)

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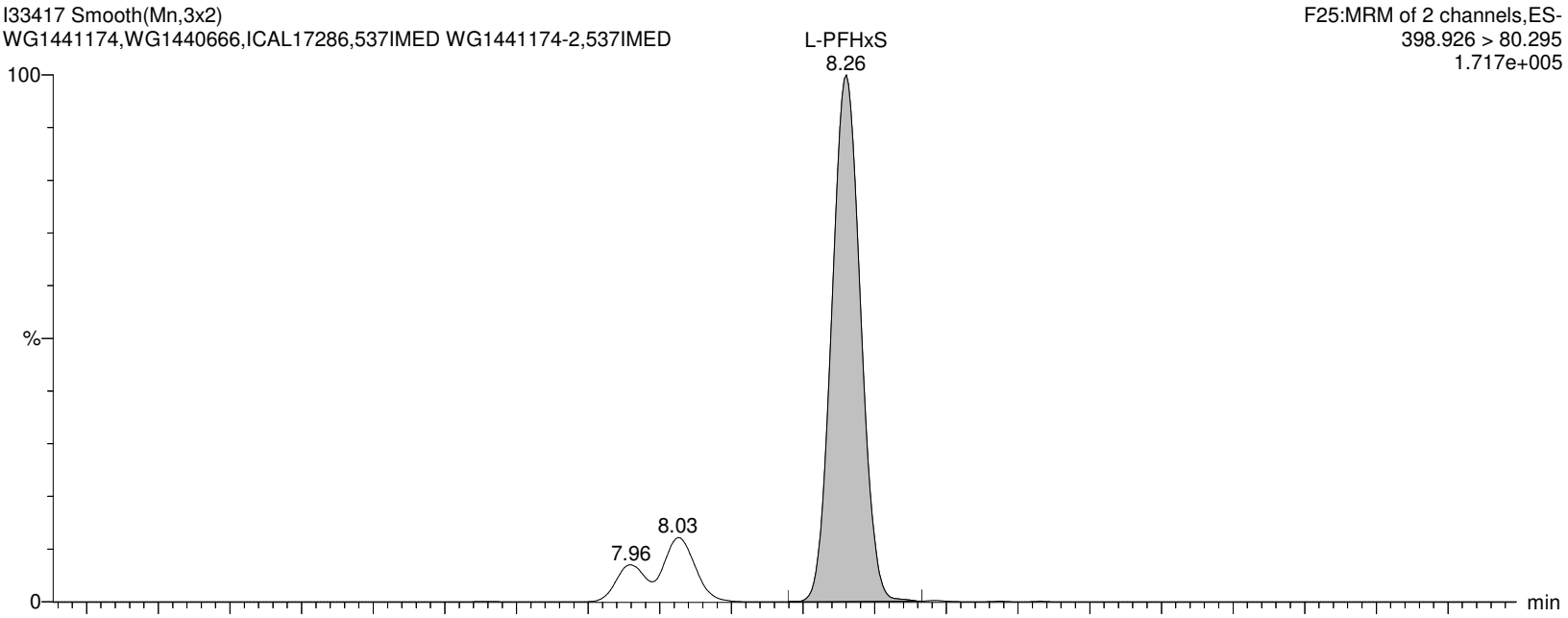

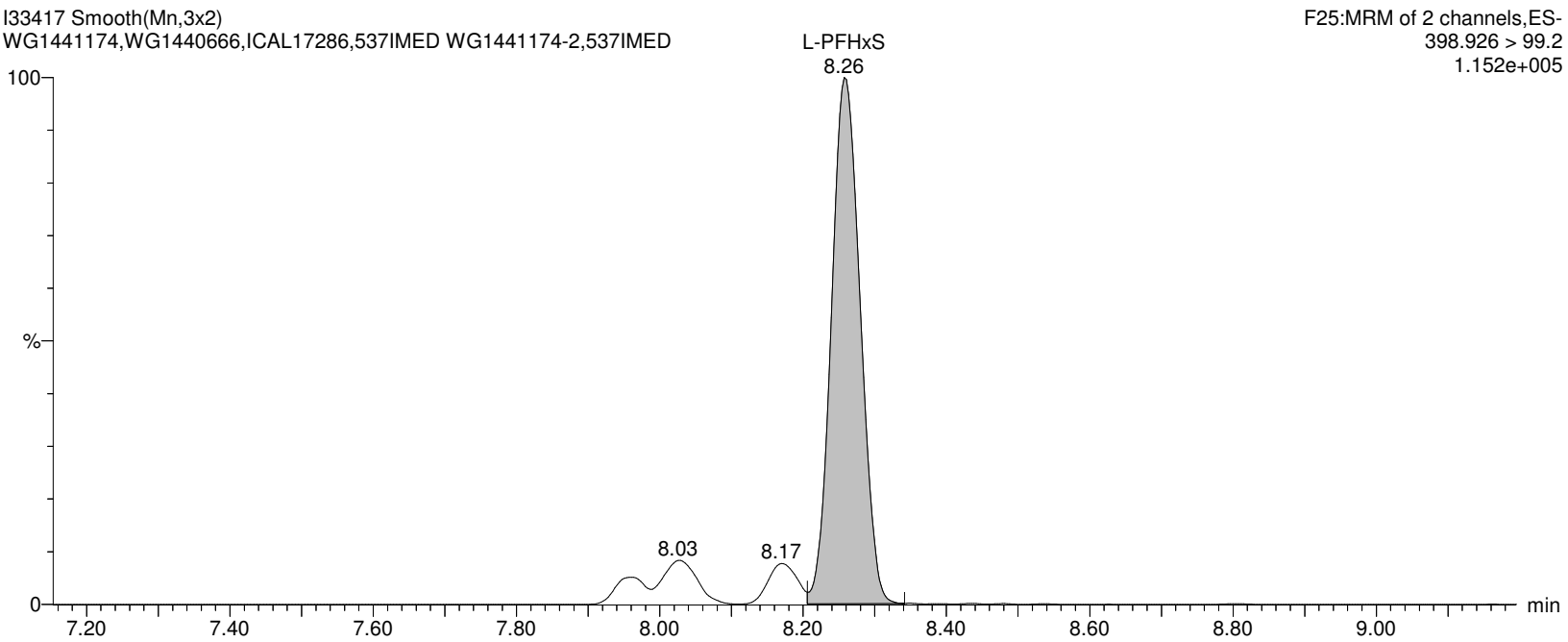

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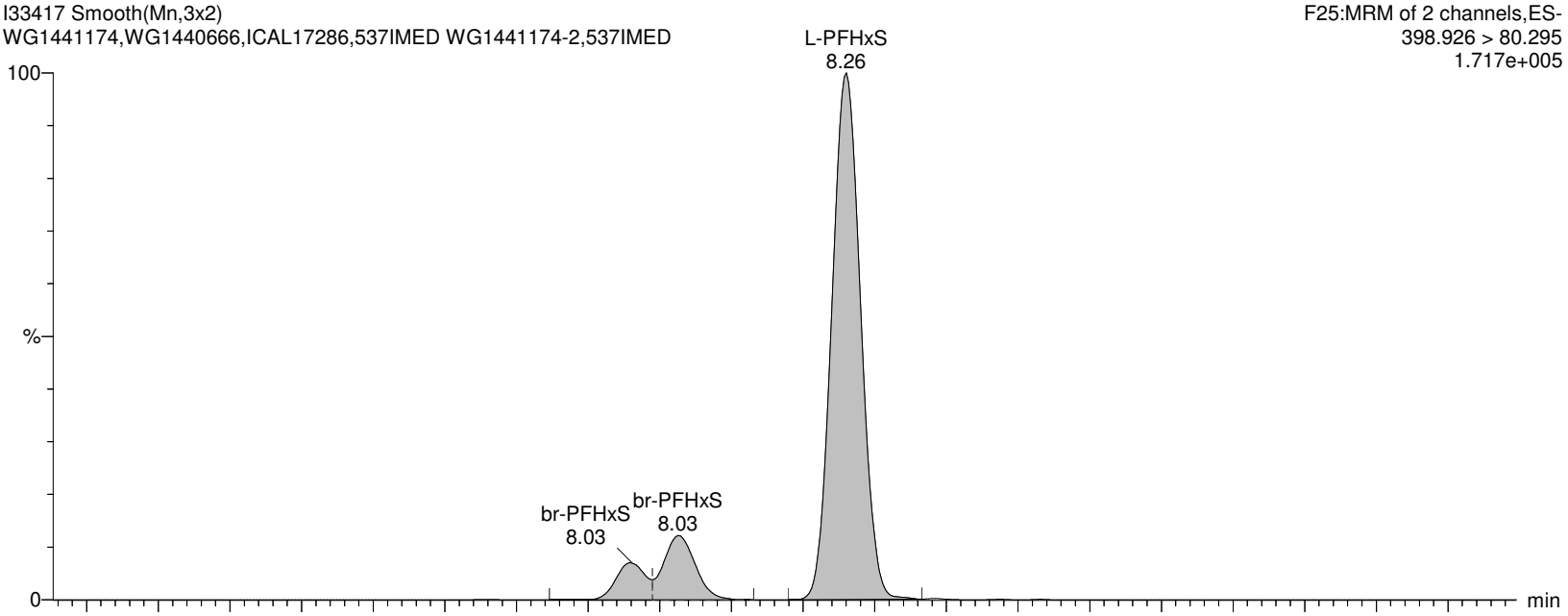

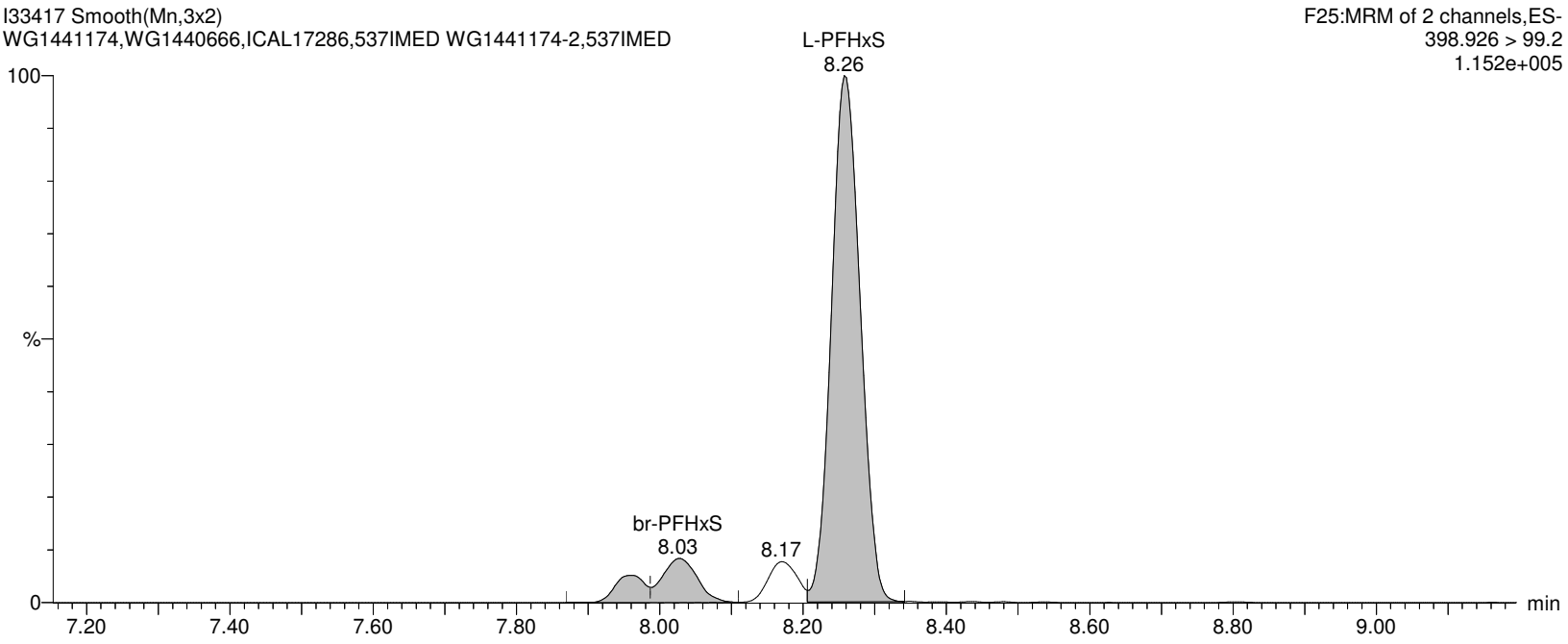

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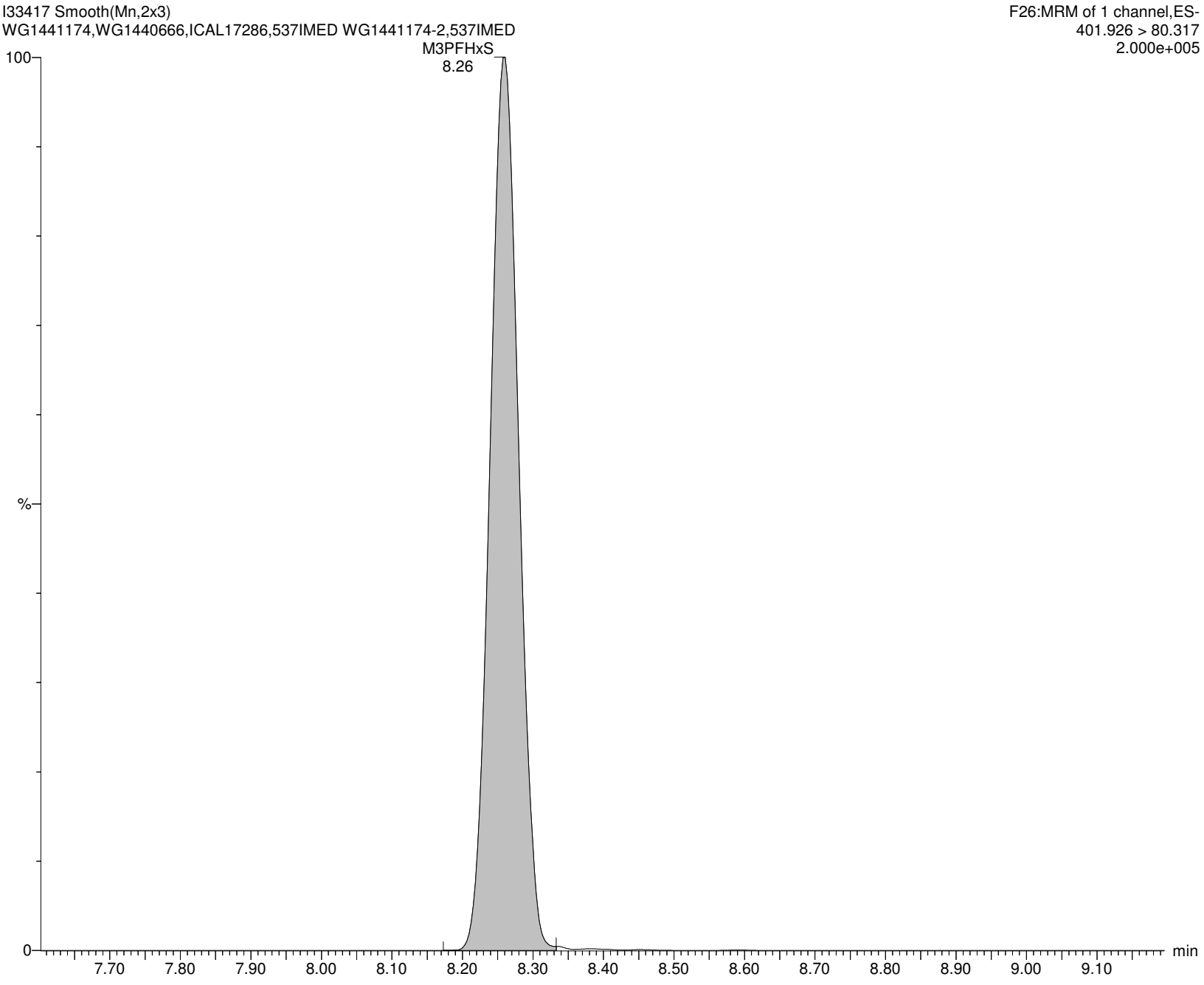

all concentration units in (ng/mL)

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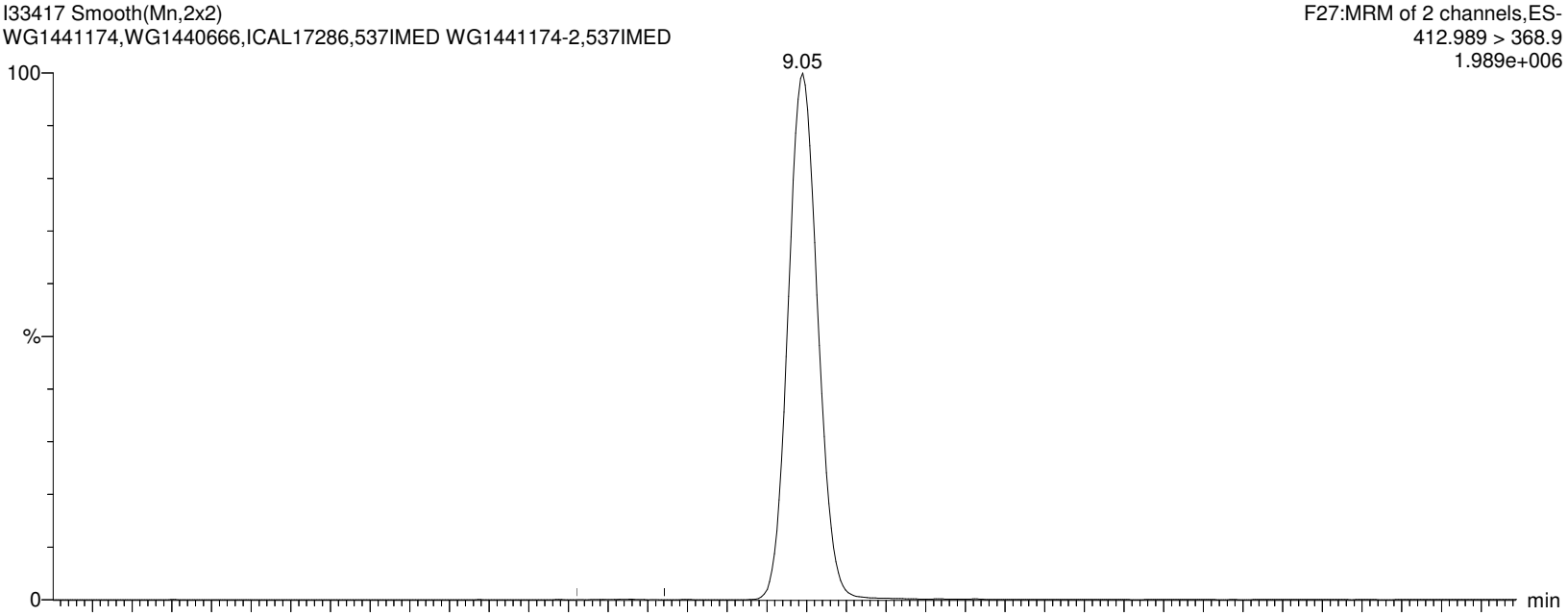

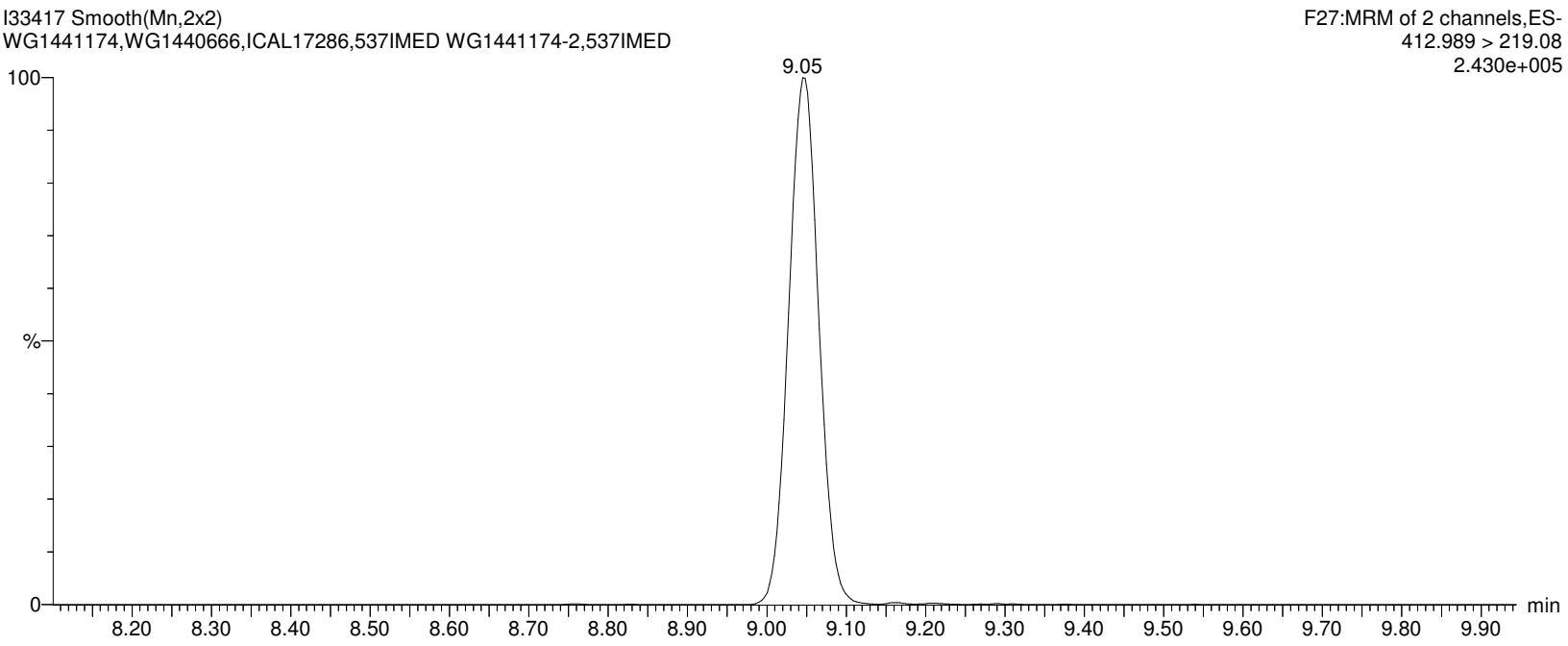

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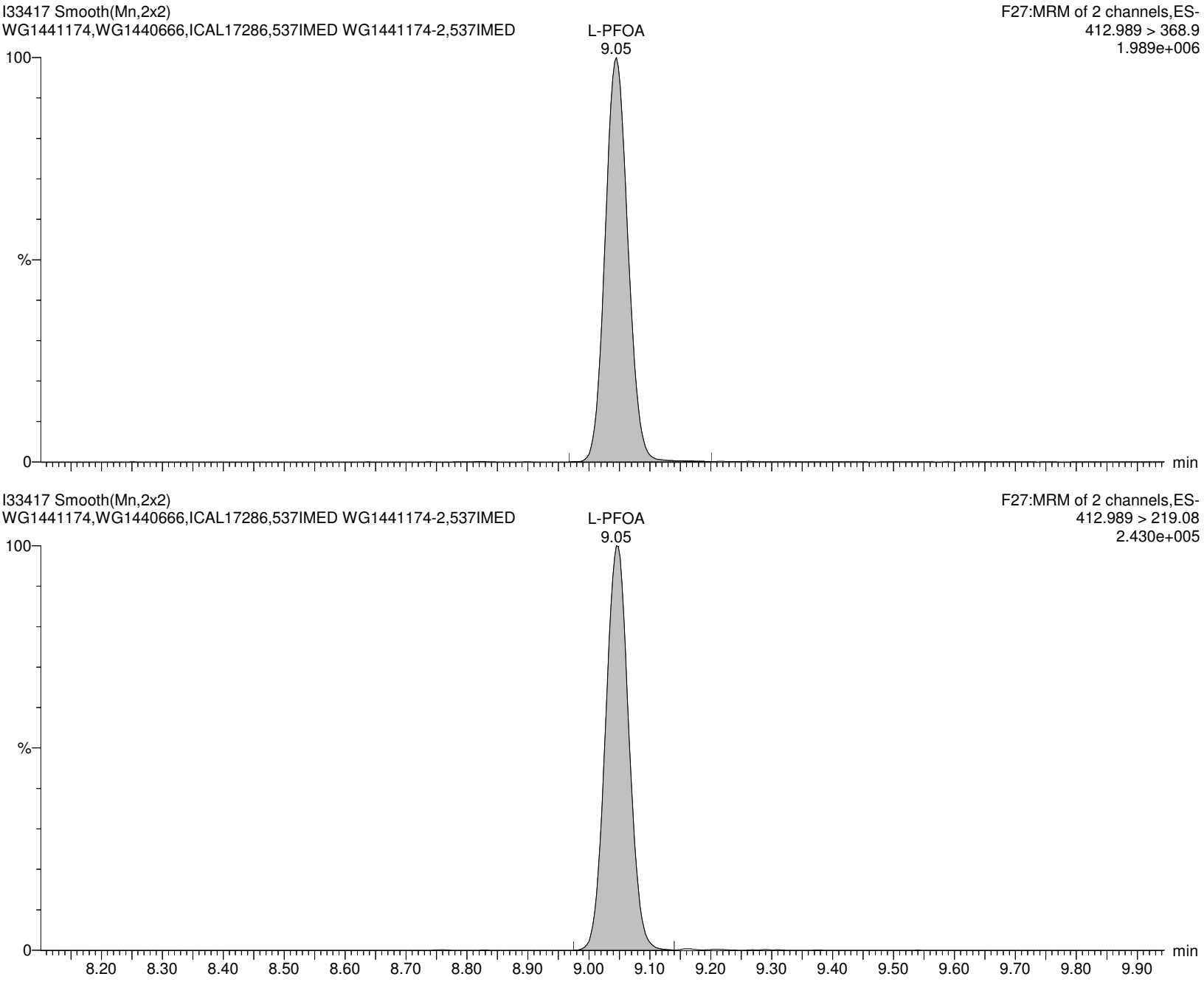

all concentration units in (ng/mL)

Alpha Analytical Inc.
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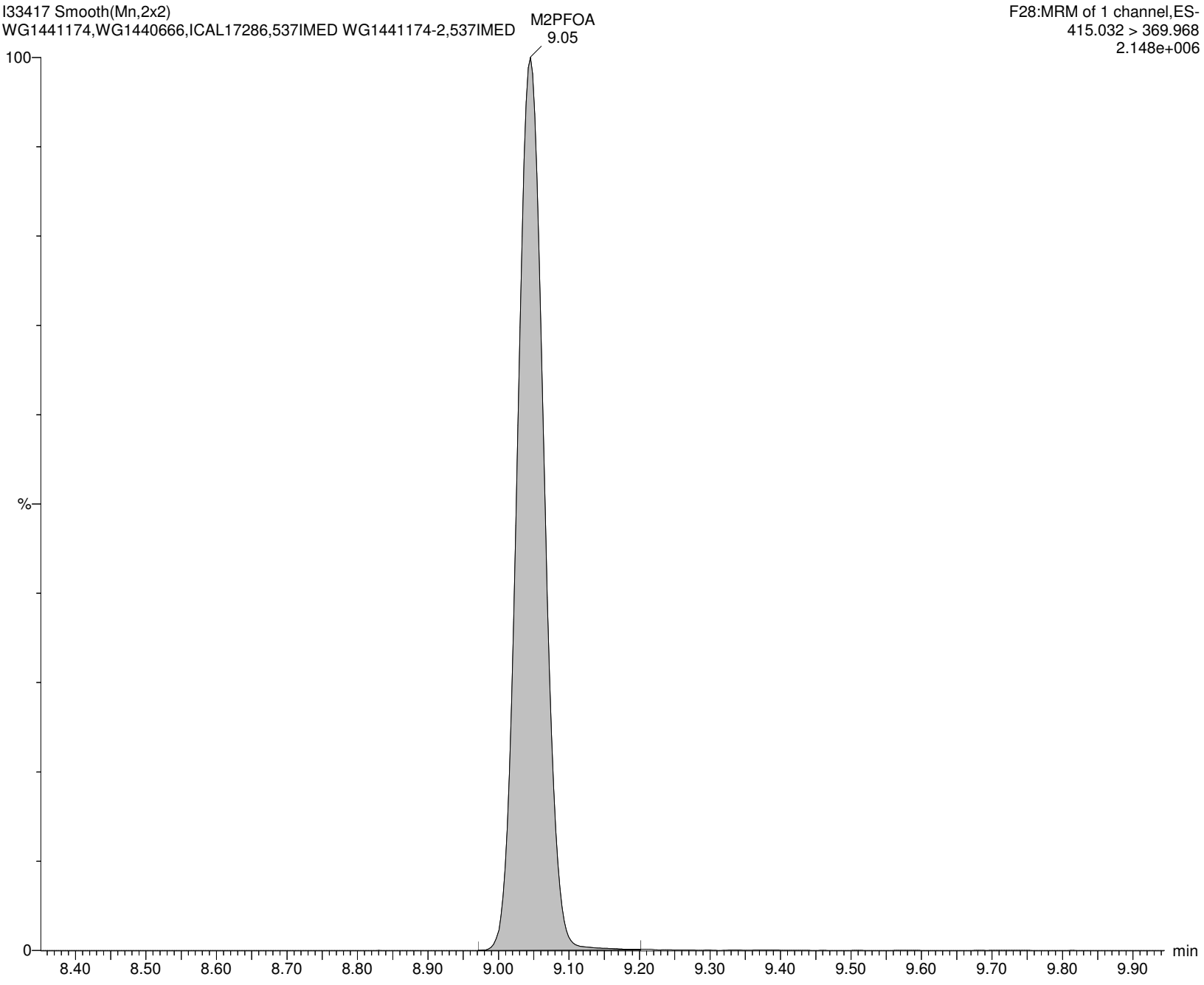

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-A.qld
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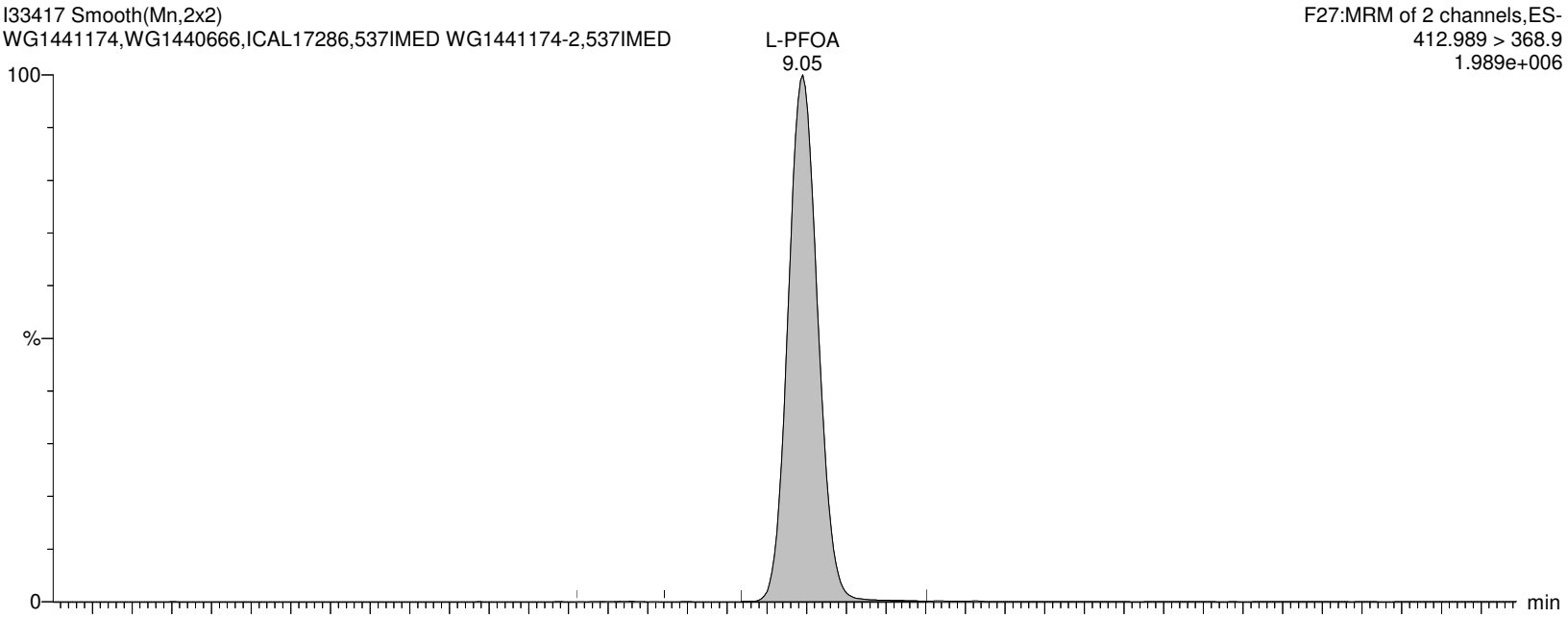

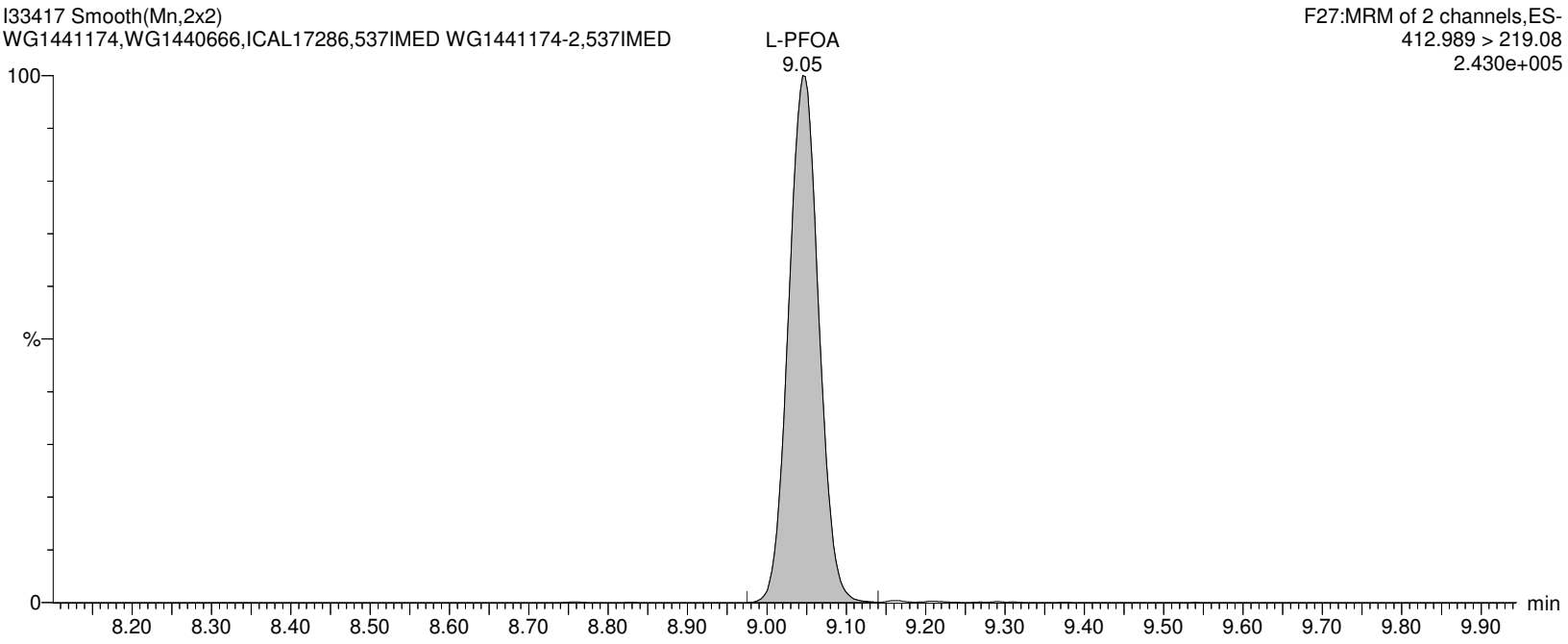

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-A.qld
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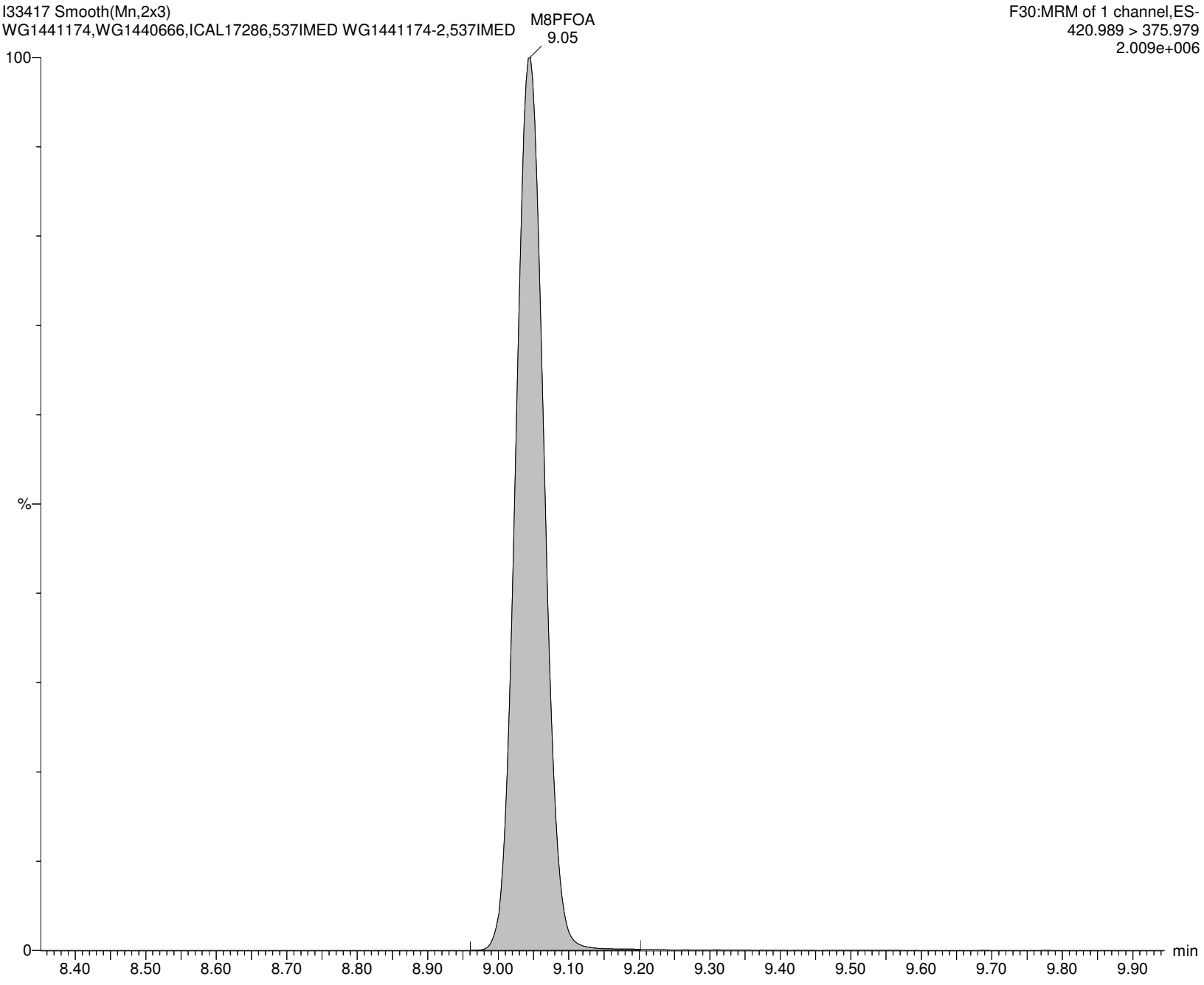

all concentration units in (ng/mL)

Alpha Analytical Inc.
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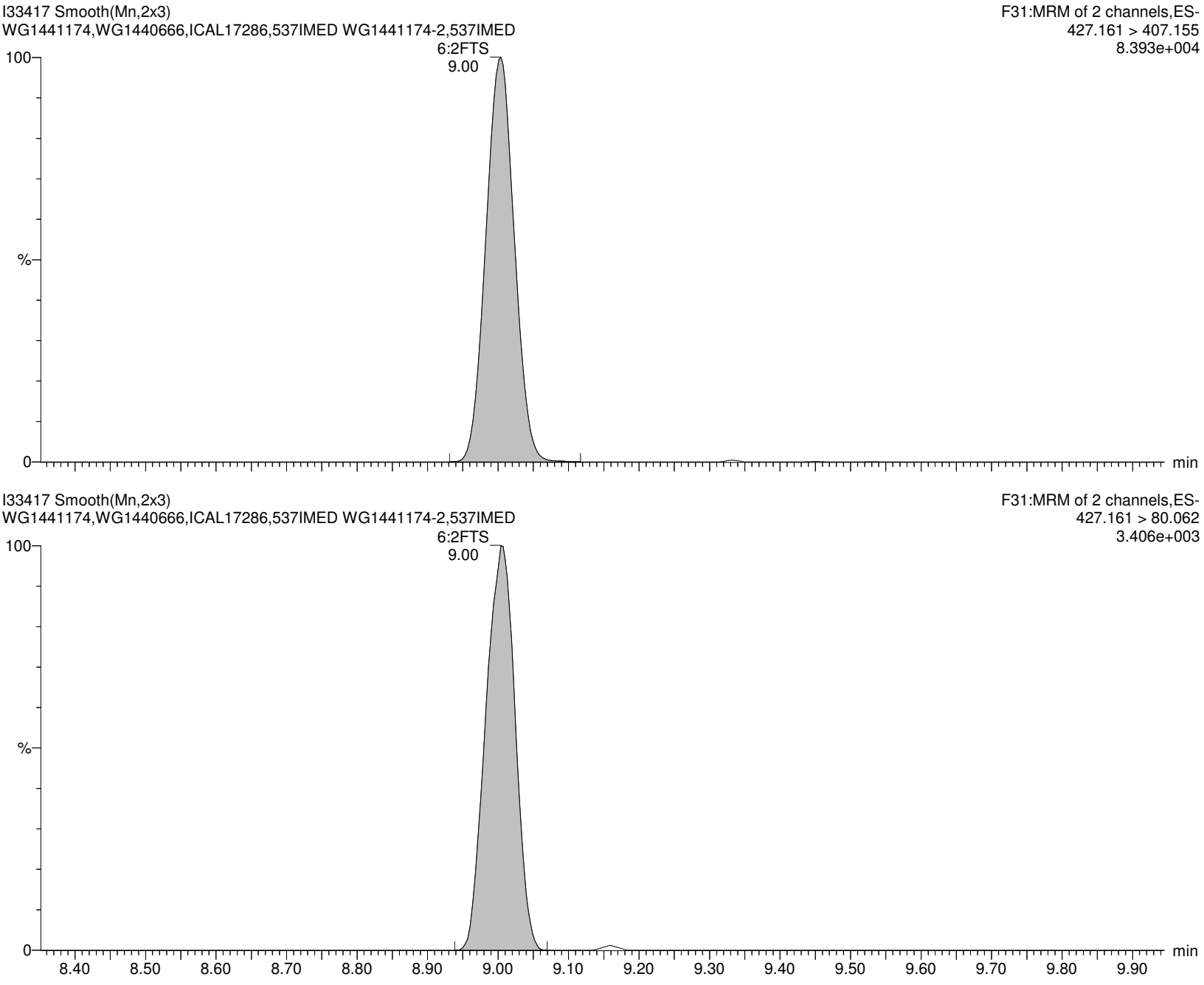

all concentration units in (ng/mL)

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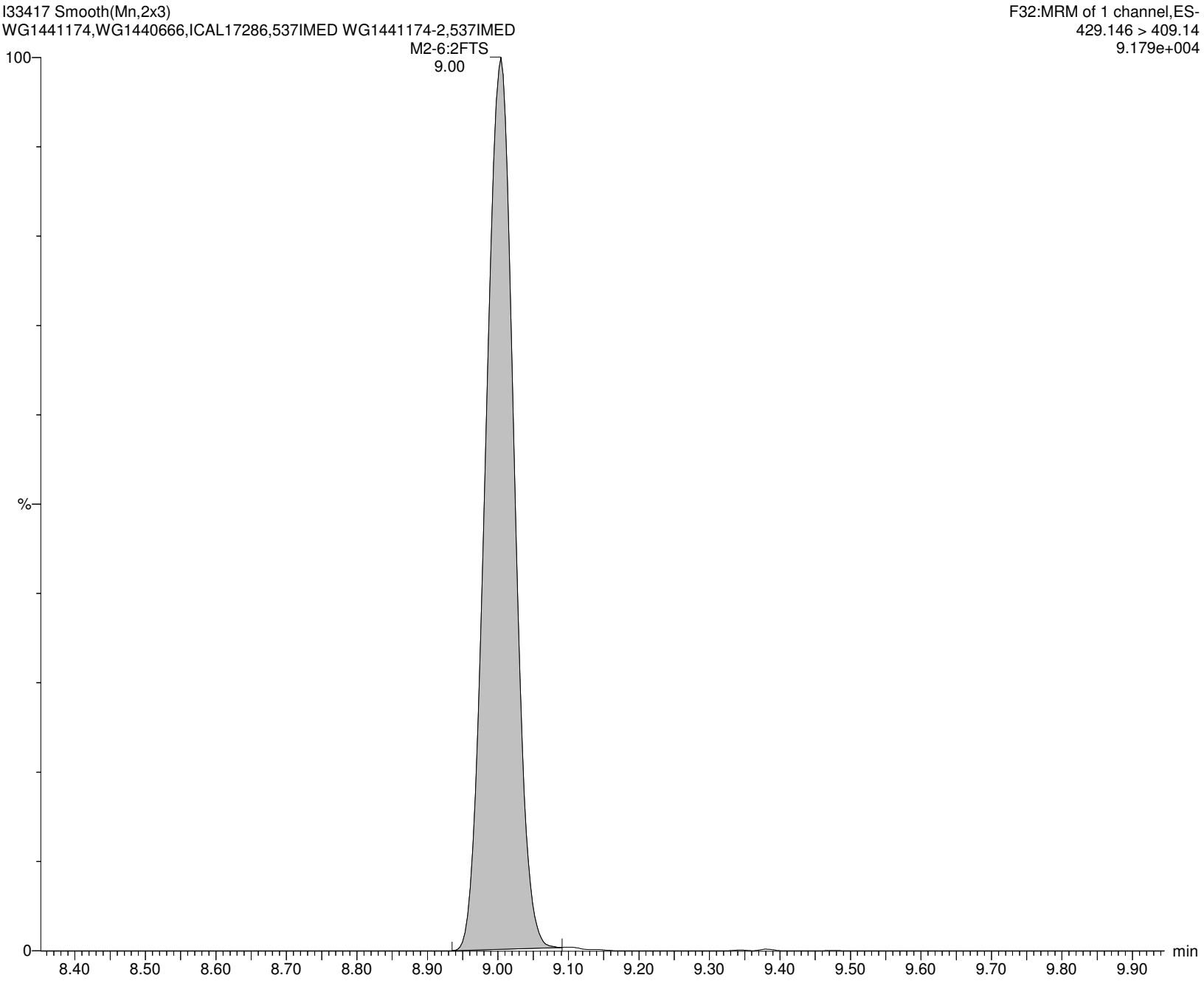

all concentration units in (ng/mL)

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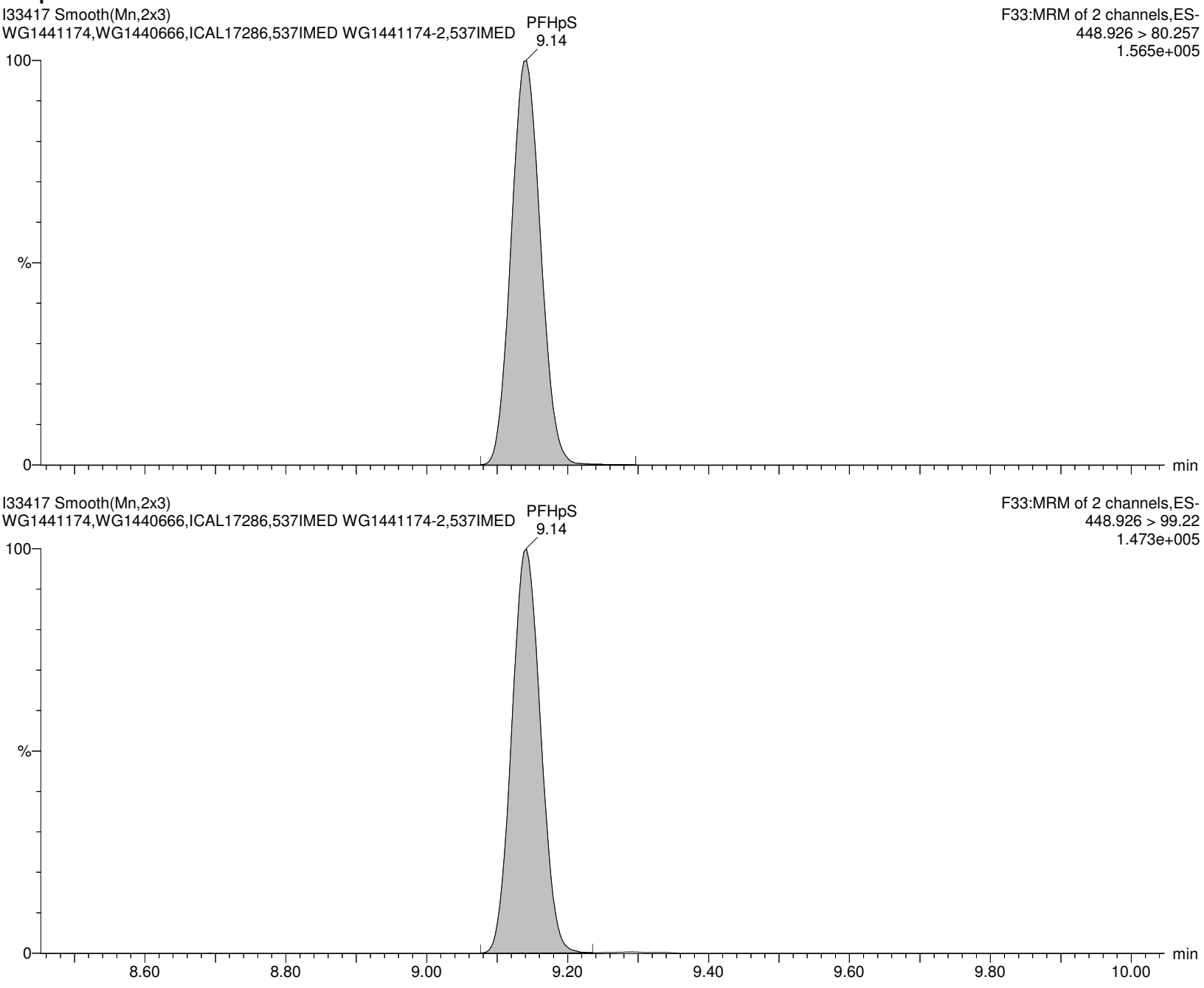

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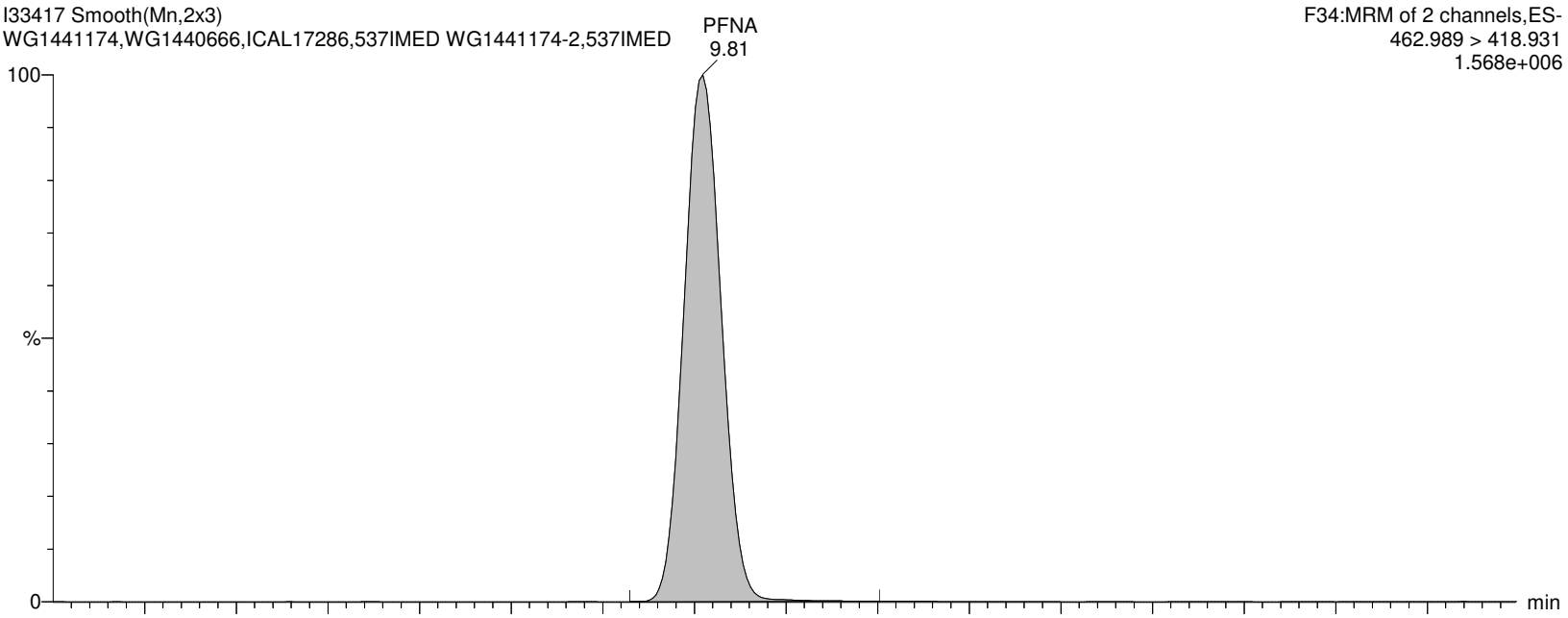

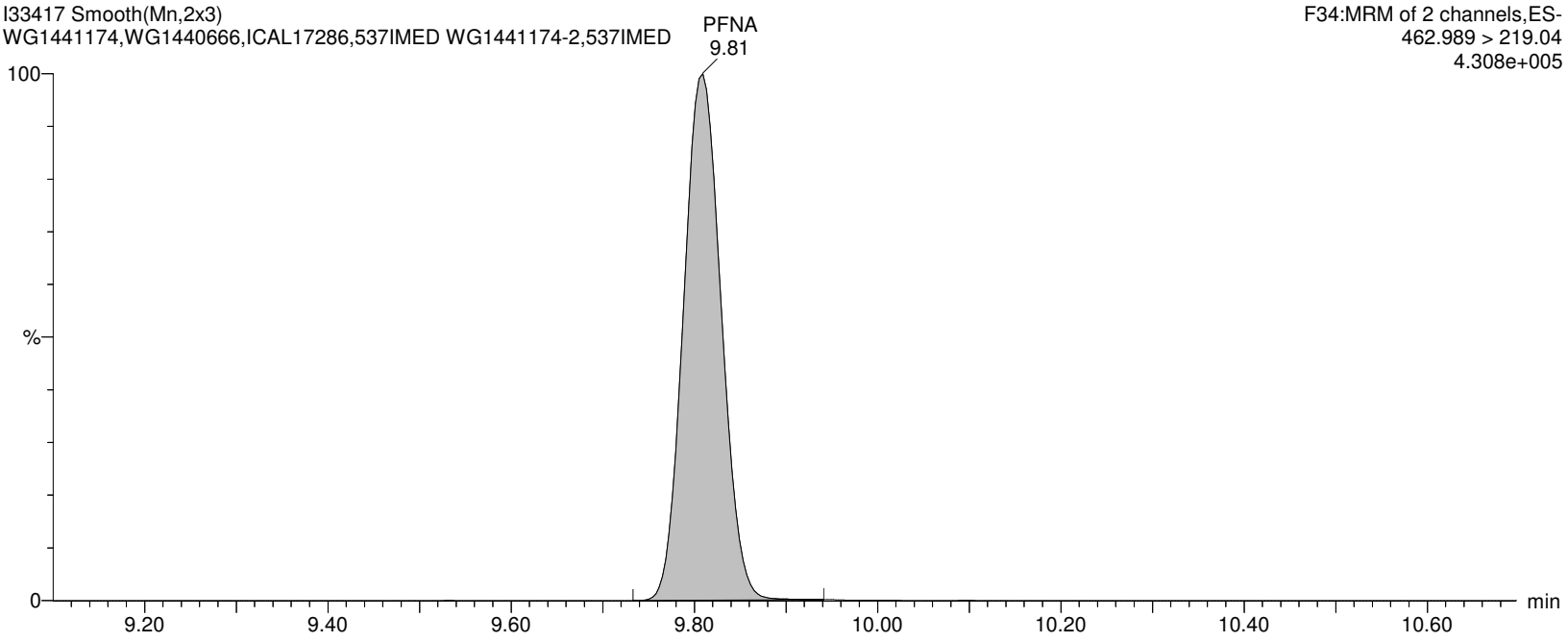

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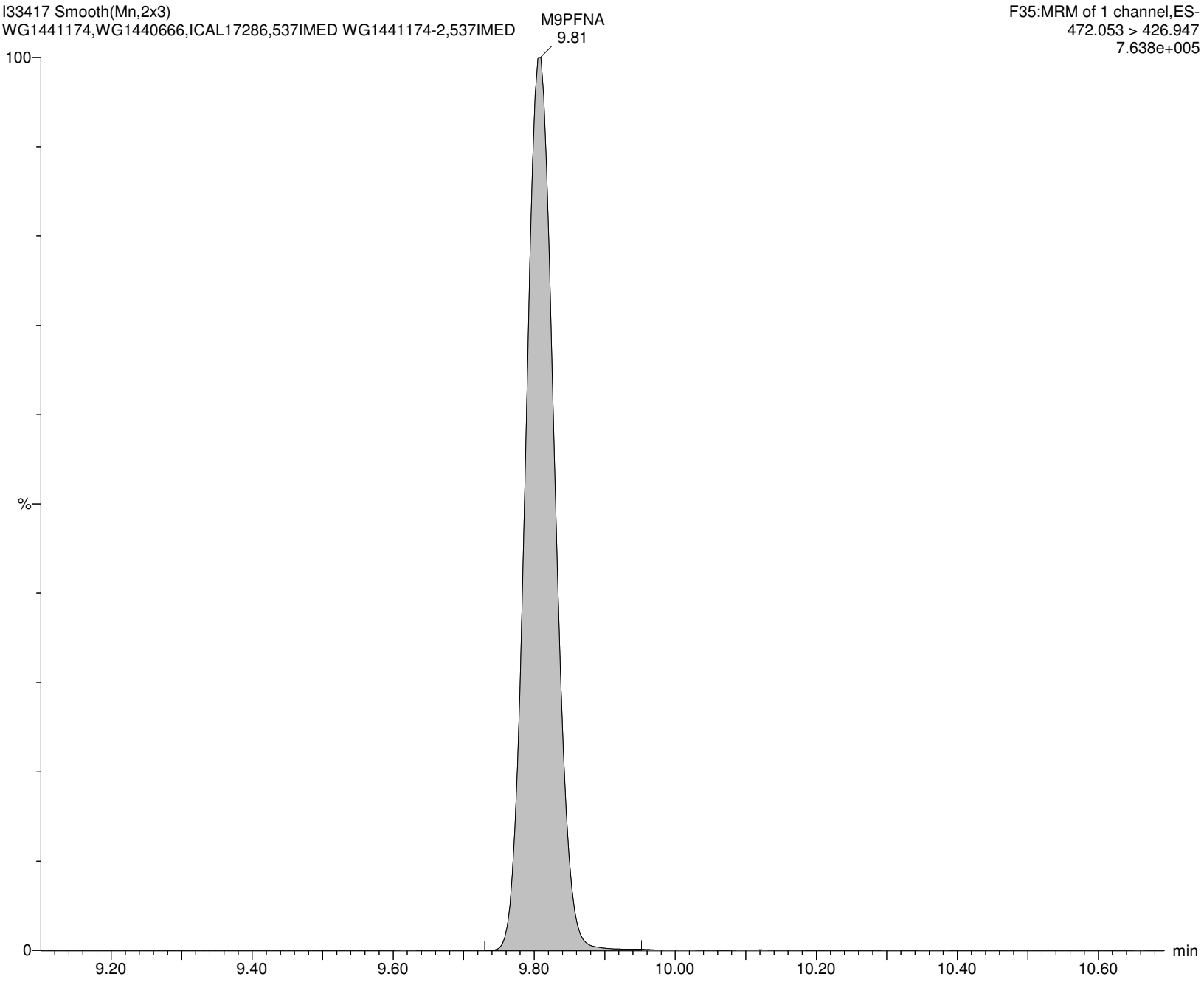

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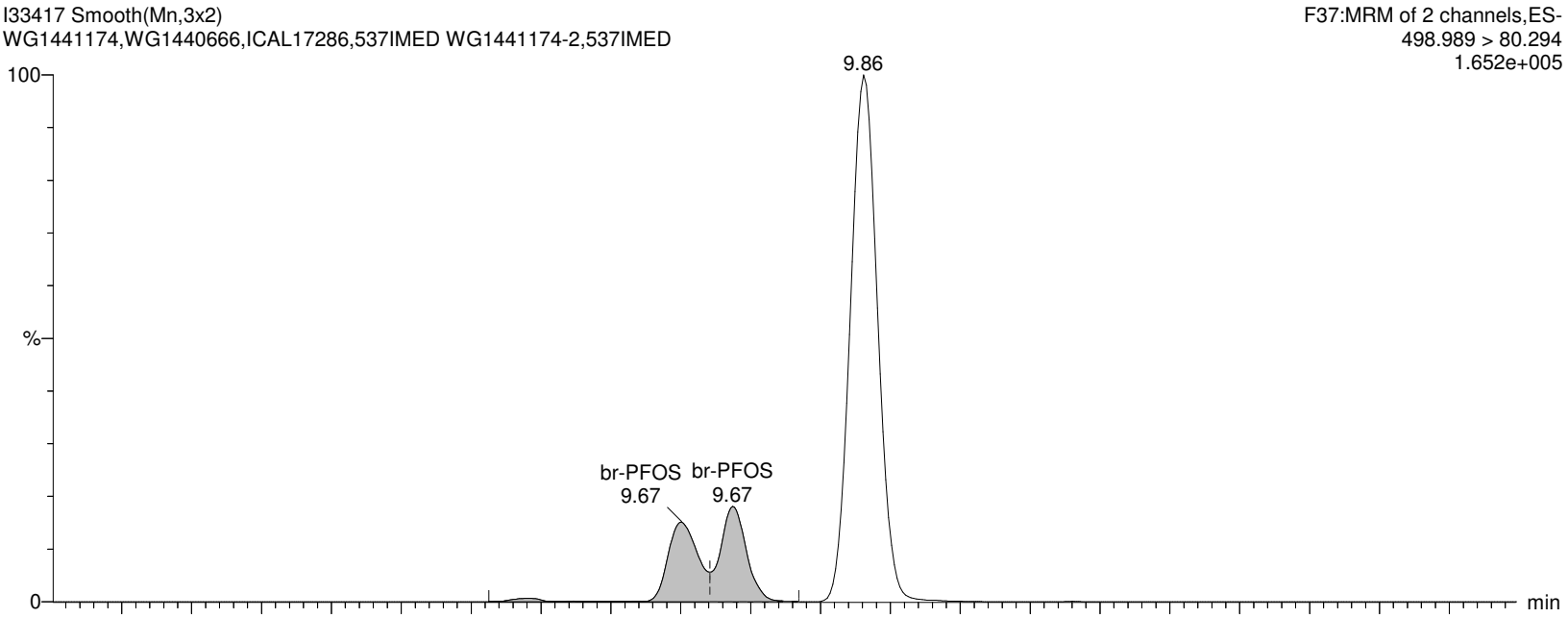

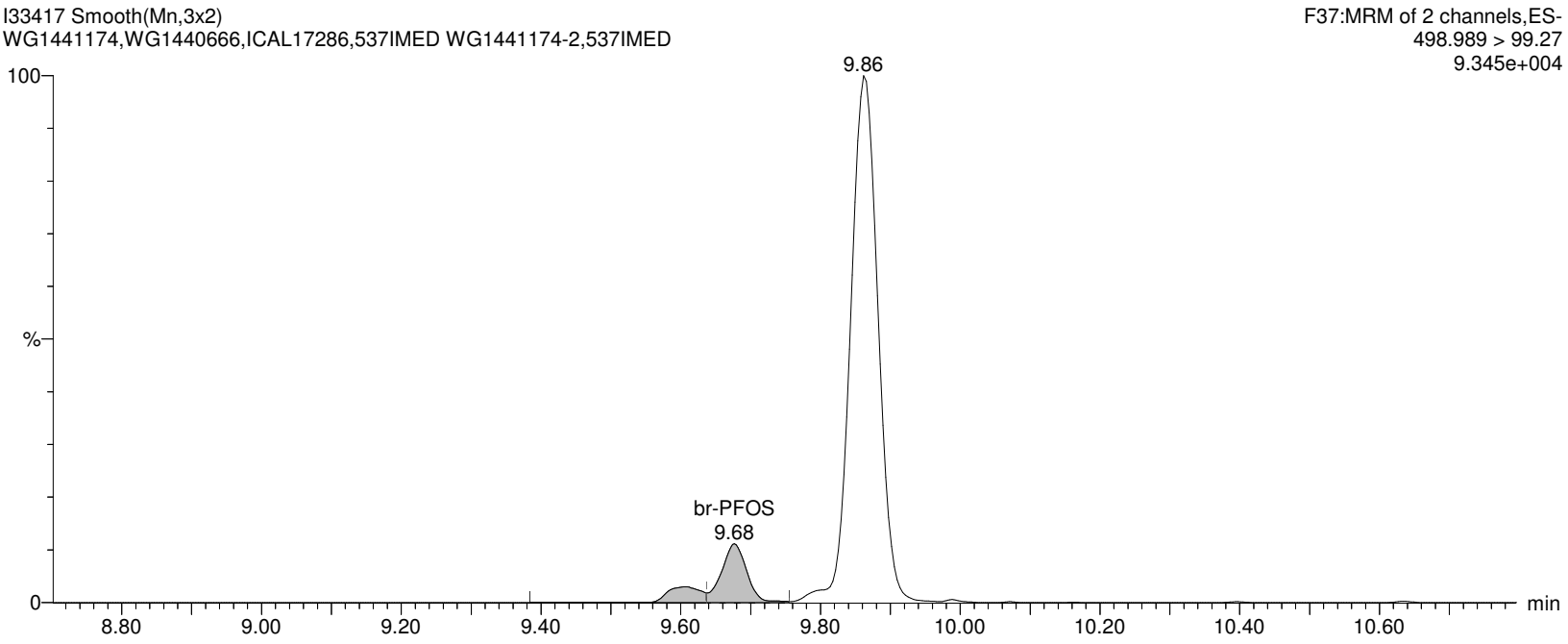

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-A.qld
Last Altered: Sunday, December 06, 2020 21:45:26 Eastern Standard Time
Printed: Sunday, December 06, 2020 21:46:38 Eastern Standard Time

Name: I33417
ID: WG1441174-2,537IMED
Date: 04-Dec-2020
Time: 16:12:23
Description: WG1441174,WG1440666,ICAL17286,537IMED
User: LCMS02:JW
Vial: 1:A,3
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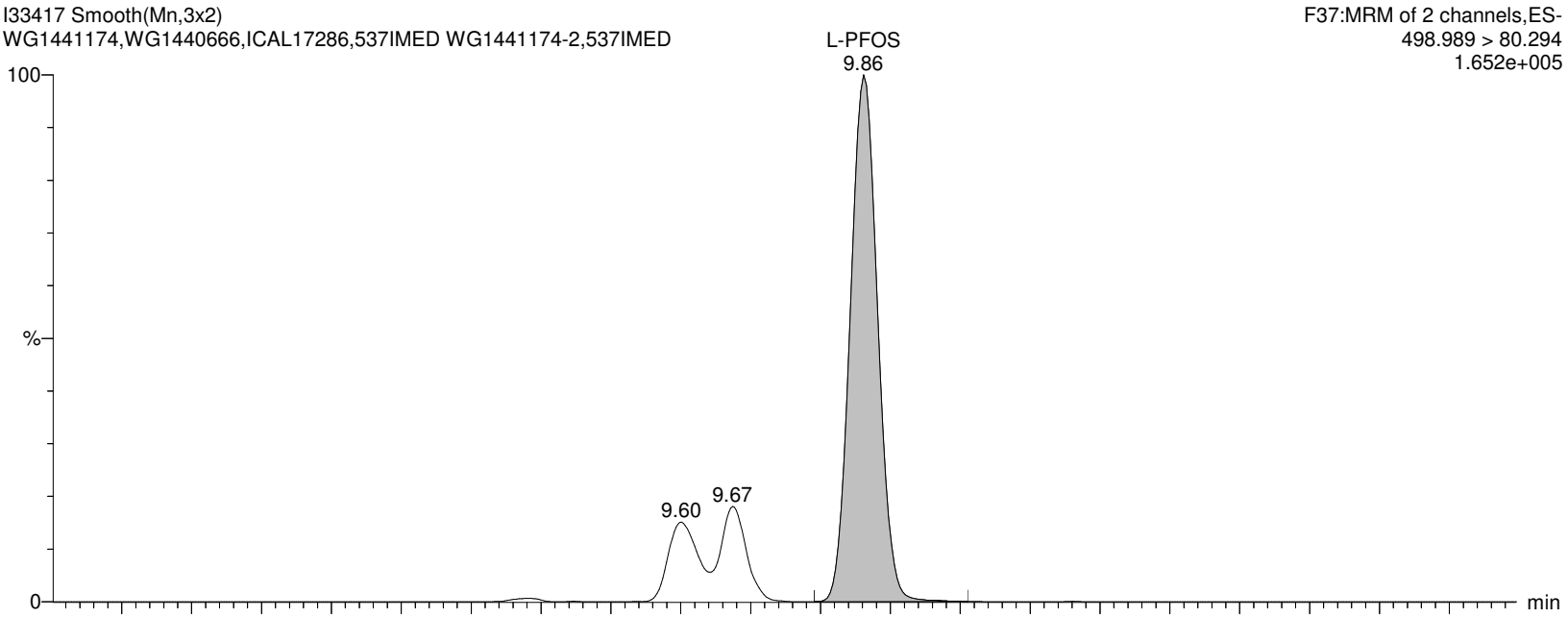
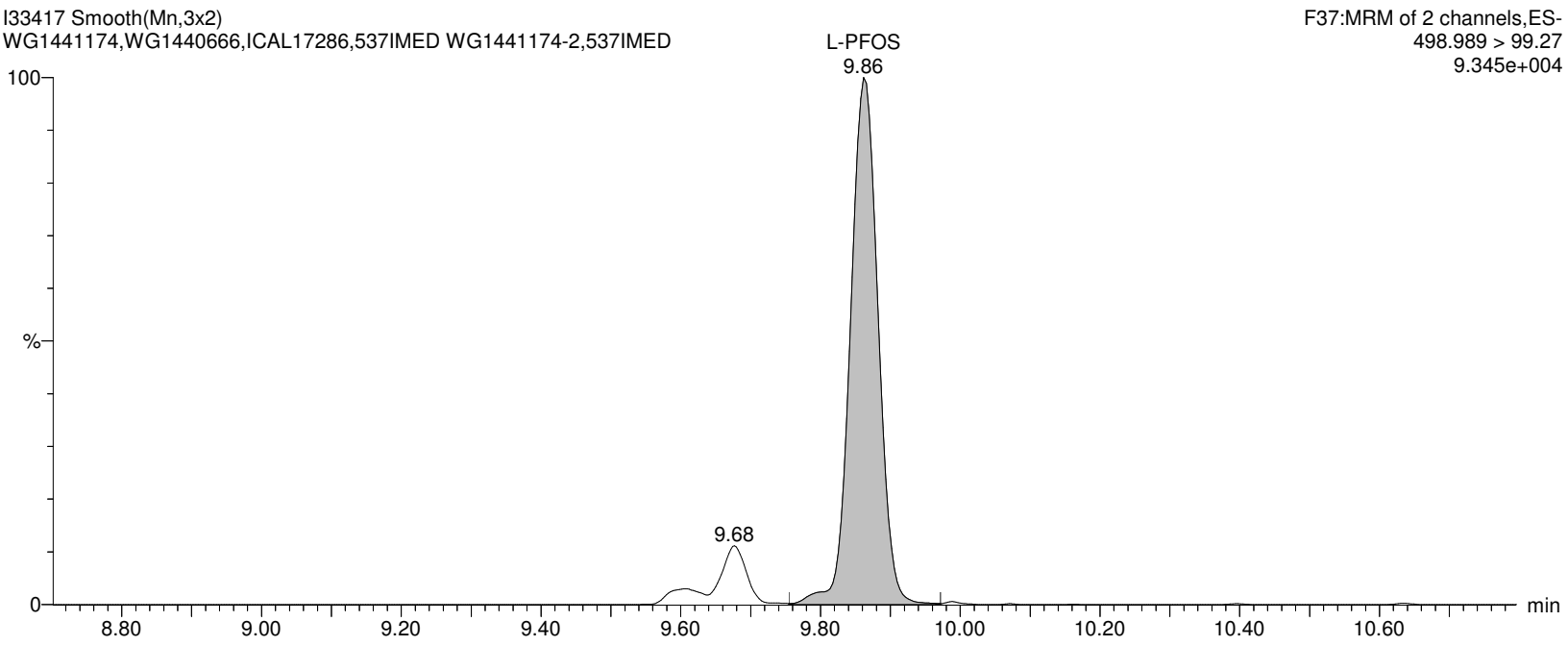
L-PFOS





all concentration units in (ng/mL)

Alpha Analytical Inc.
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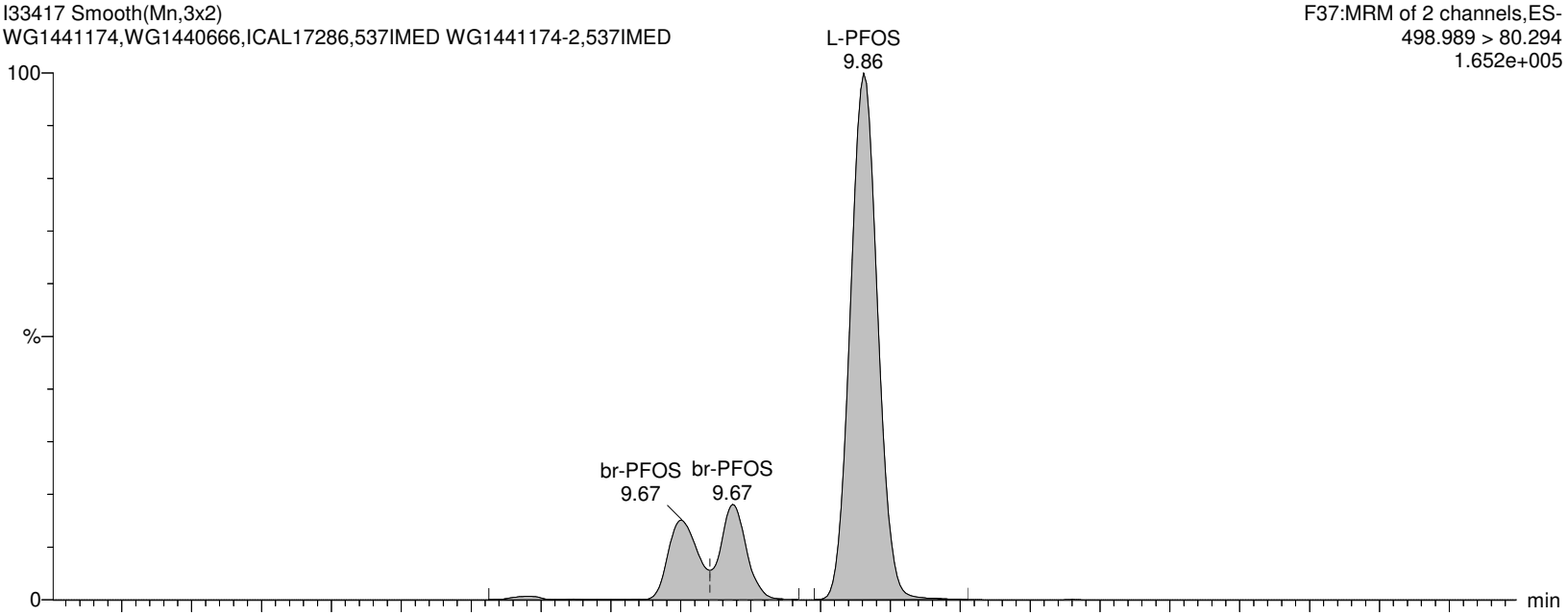

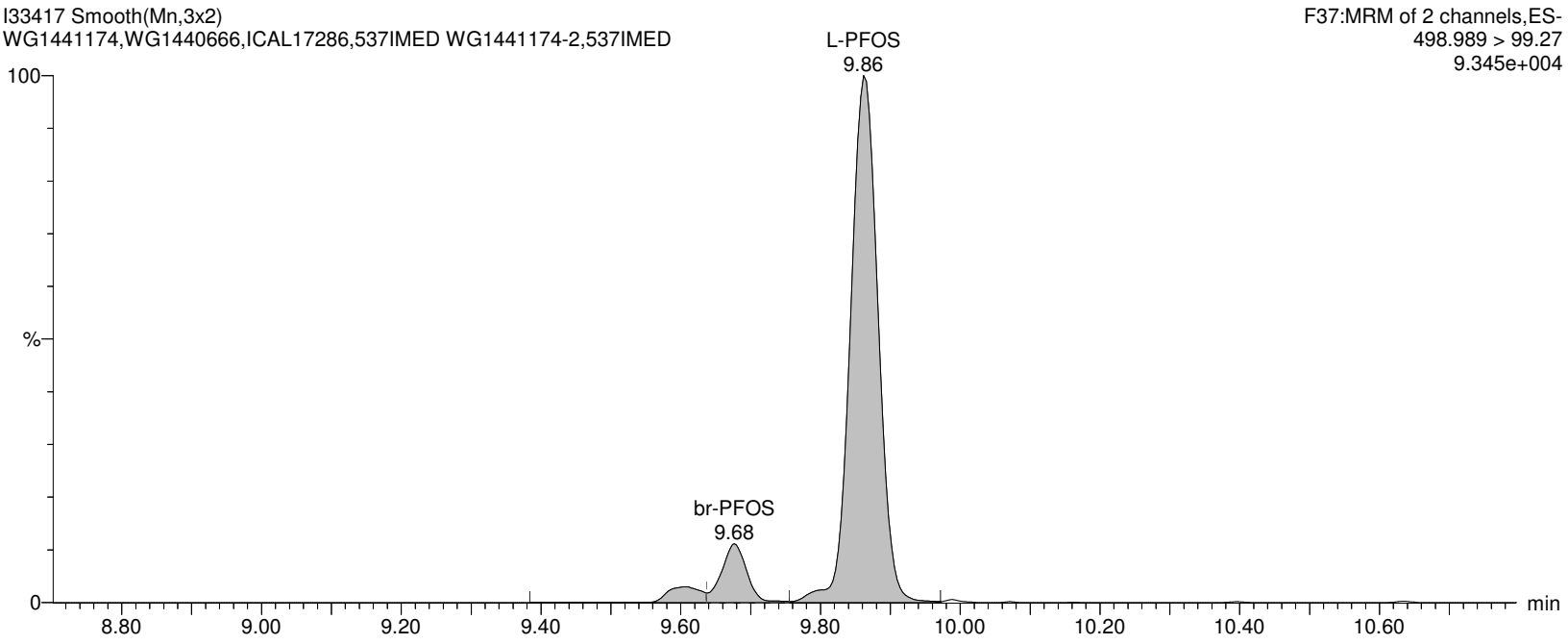

all concentration units in (ng/mL)

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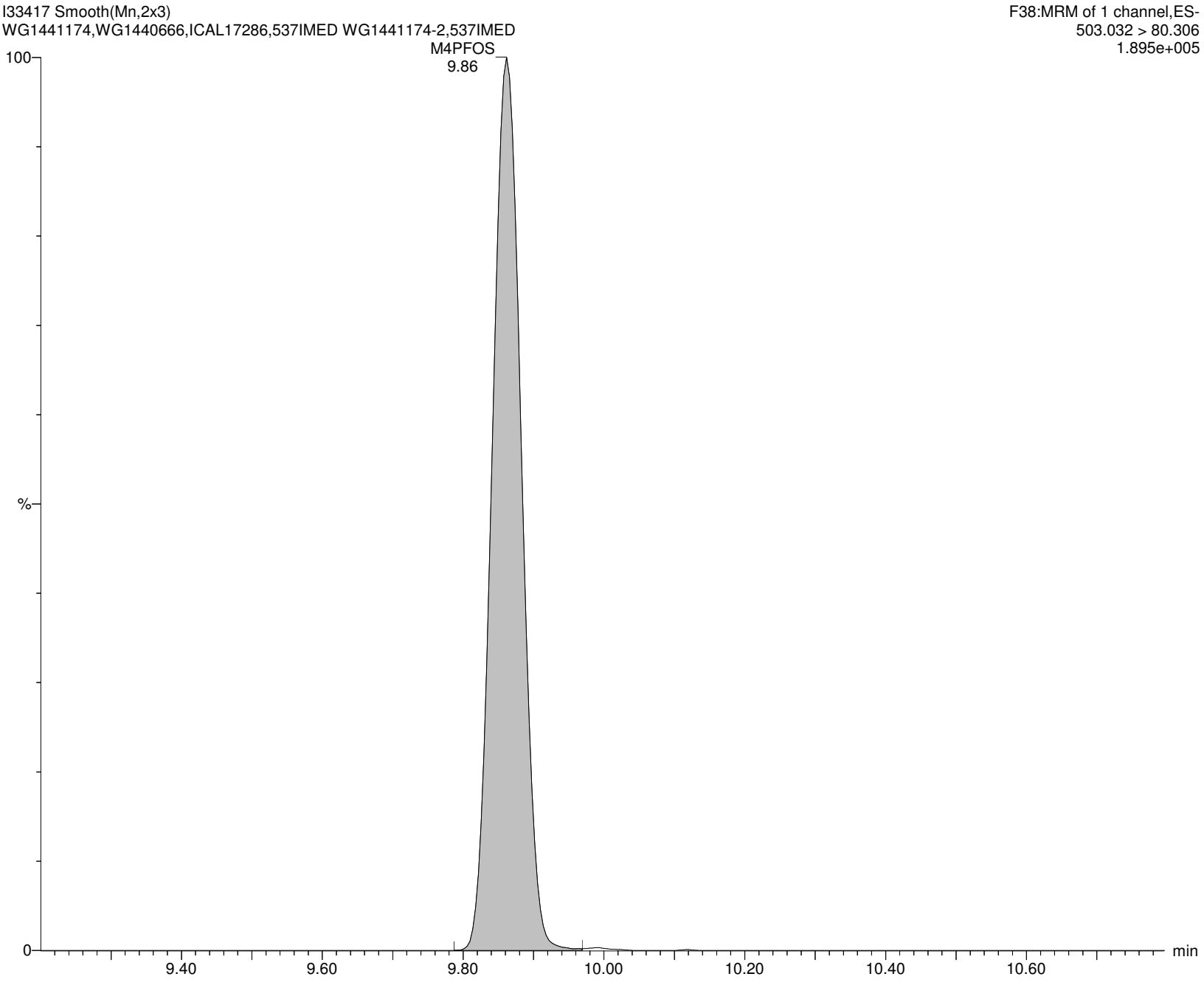

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-A.qld
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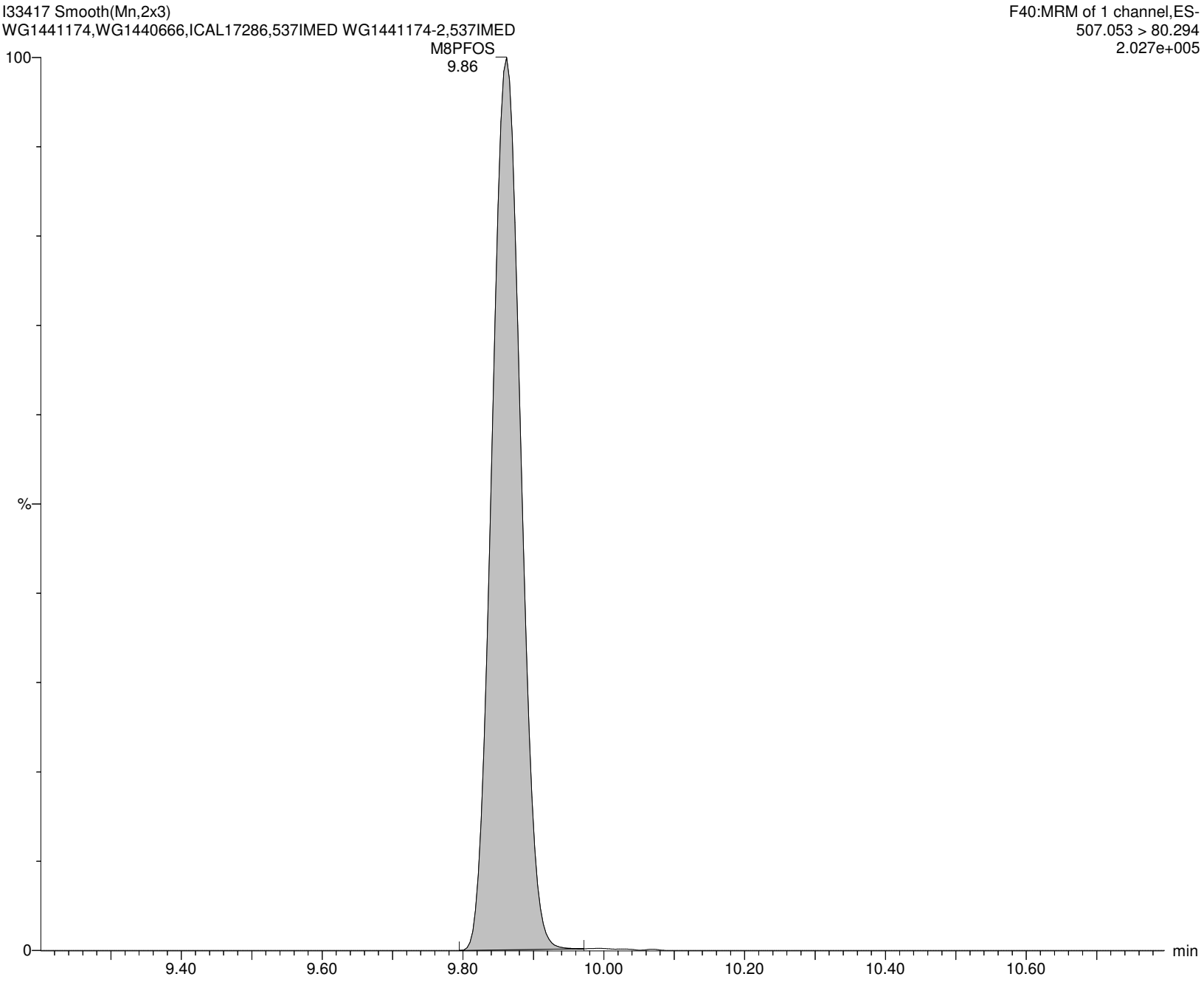

all concentration units in (ng/mL)

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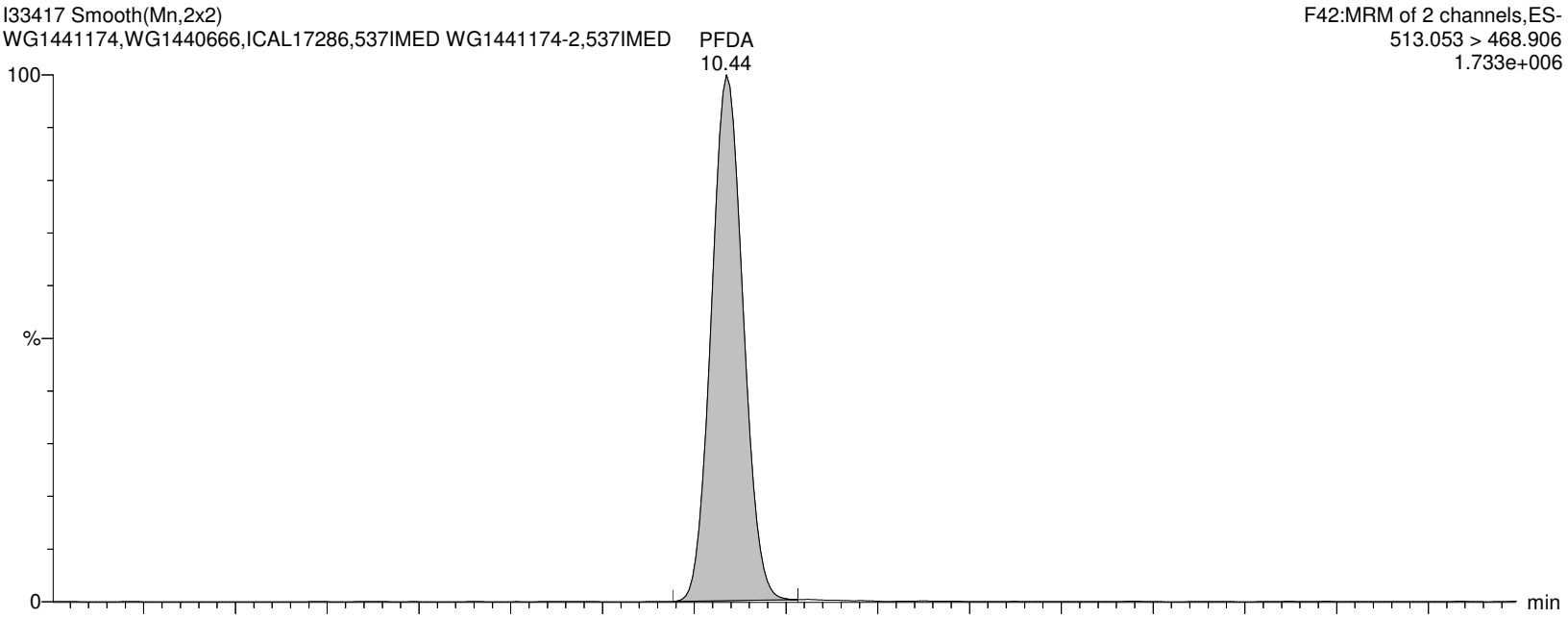

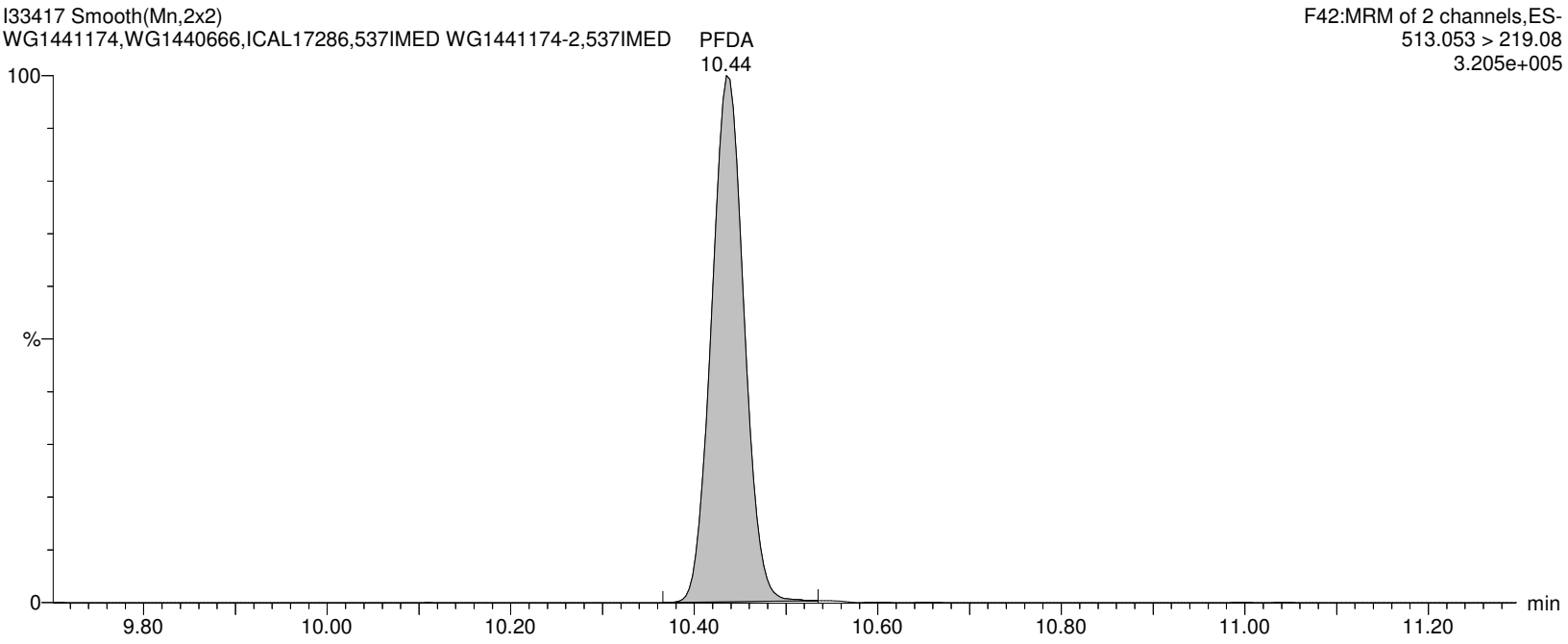

all concentration units in (ng/mL)

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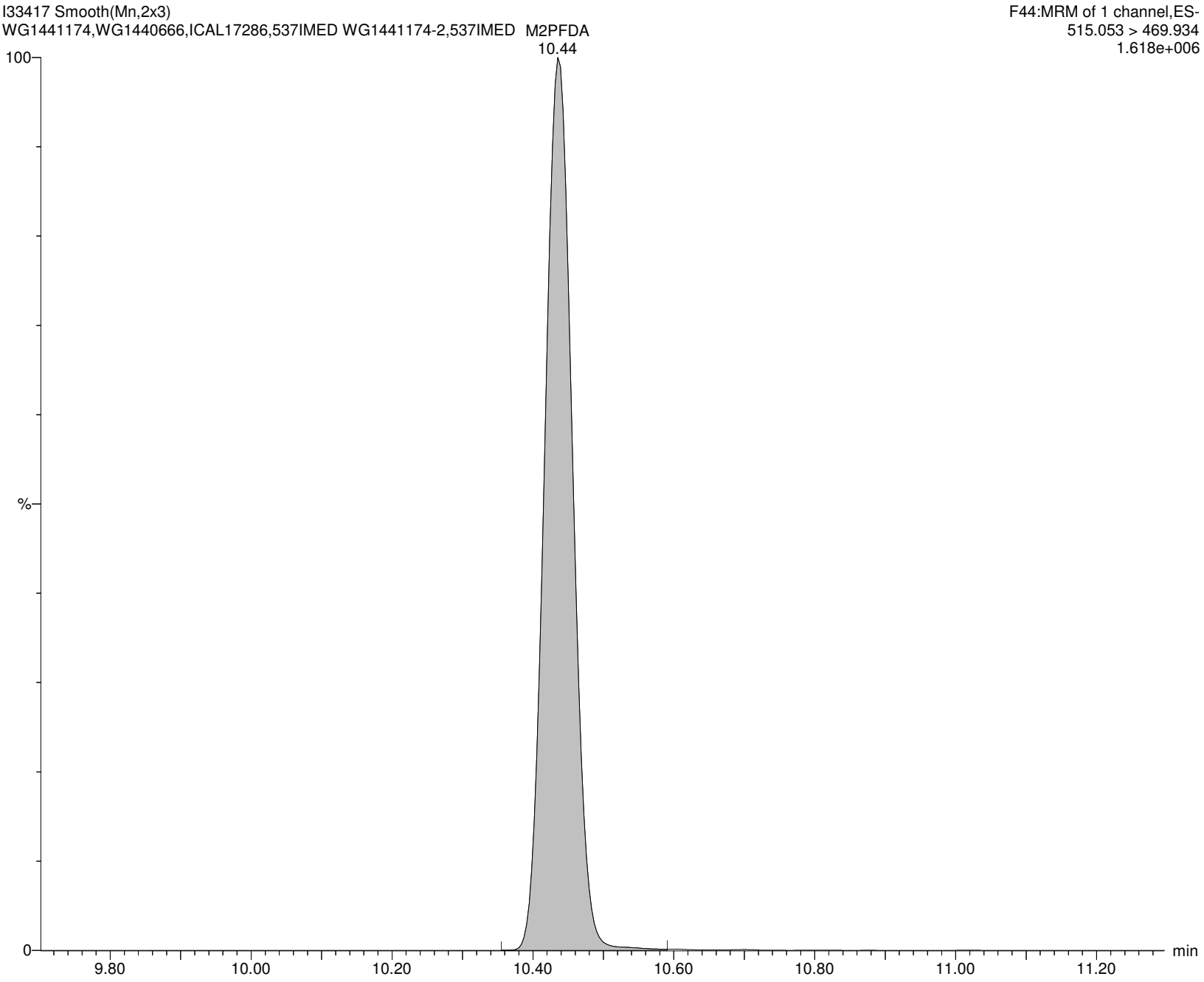

all concentration units in (ng/mL)

Alpha Analytical Inc.
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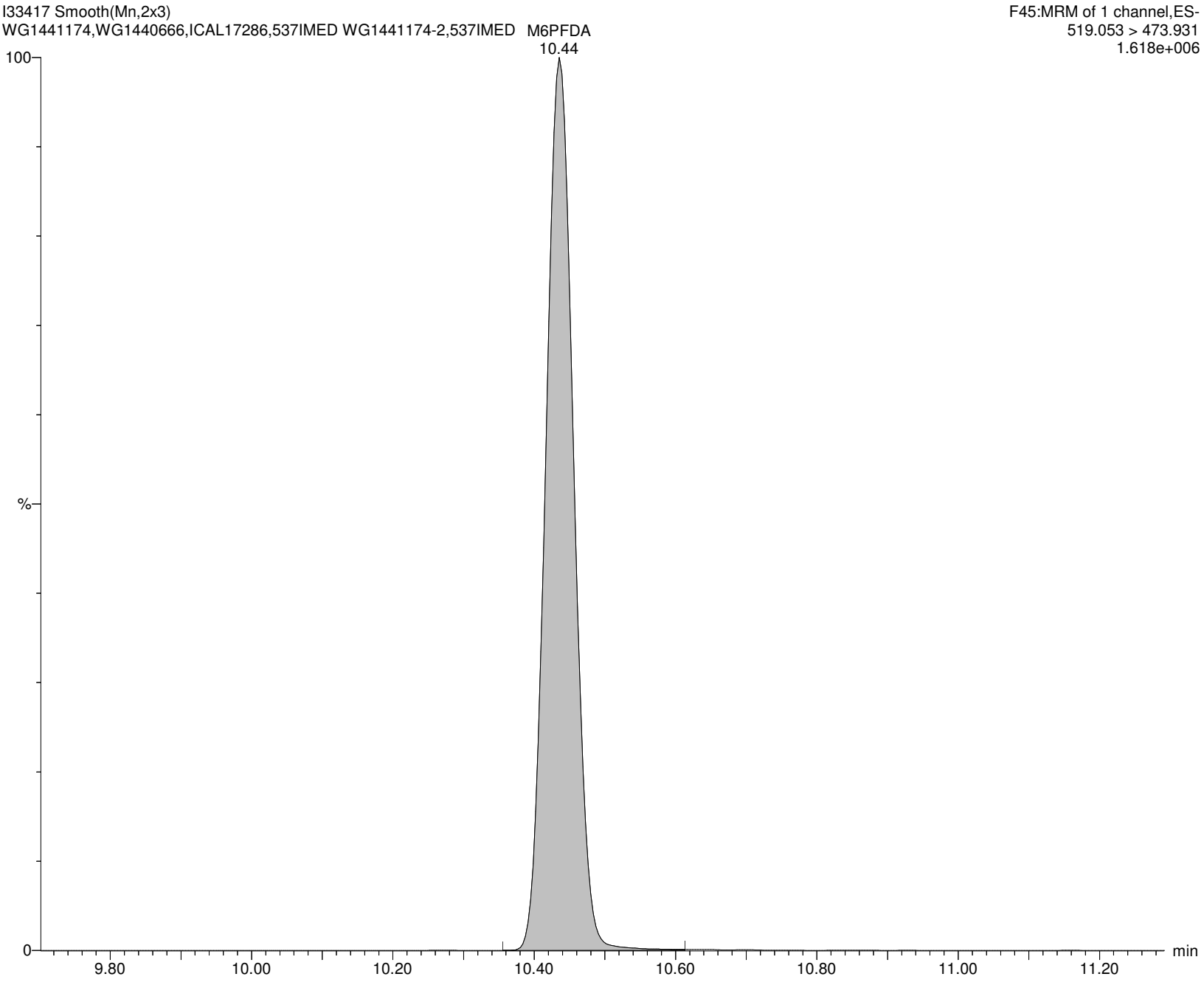

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-A.qld
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Vial: 1:A,3
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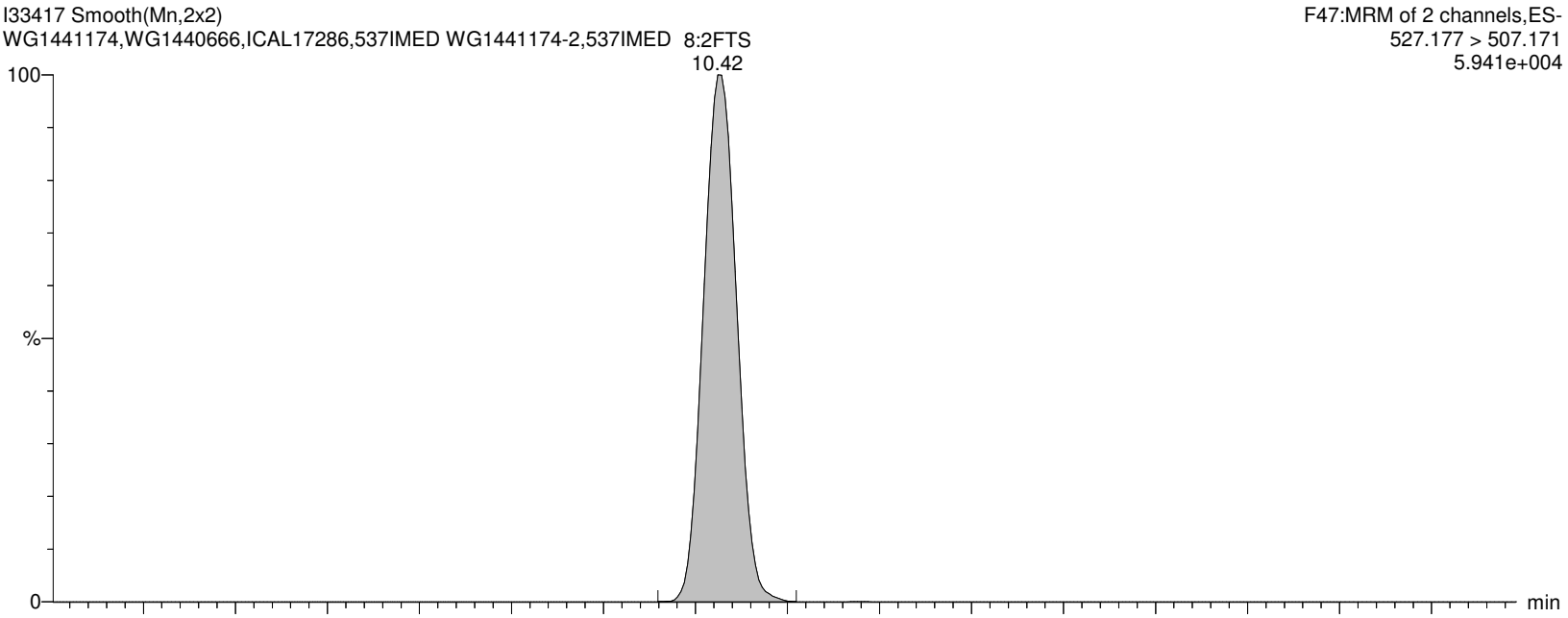

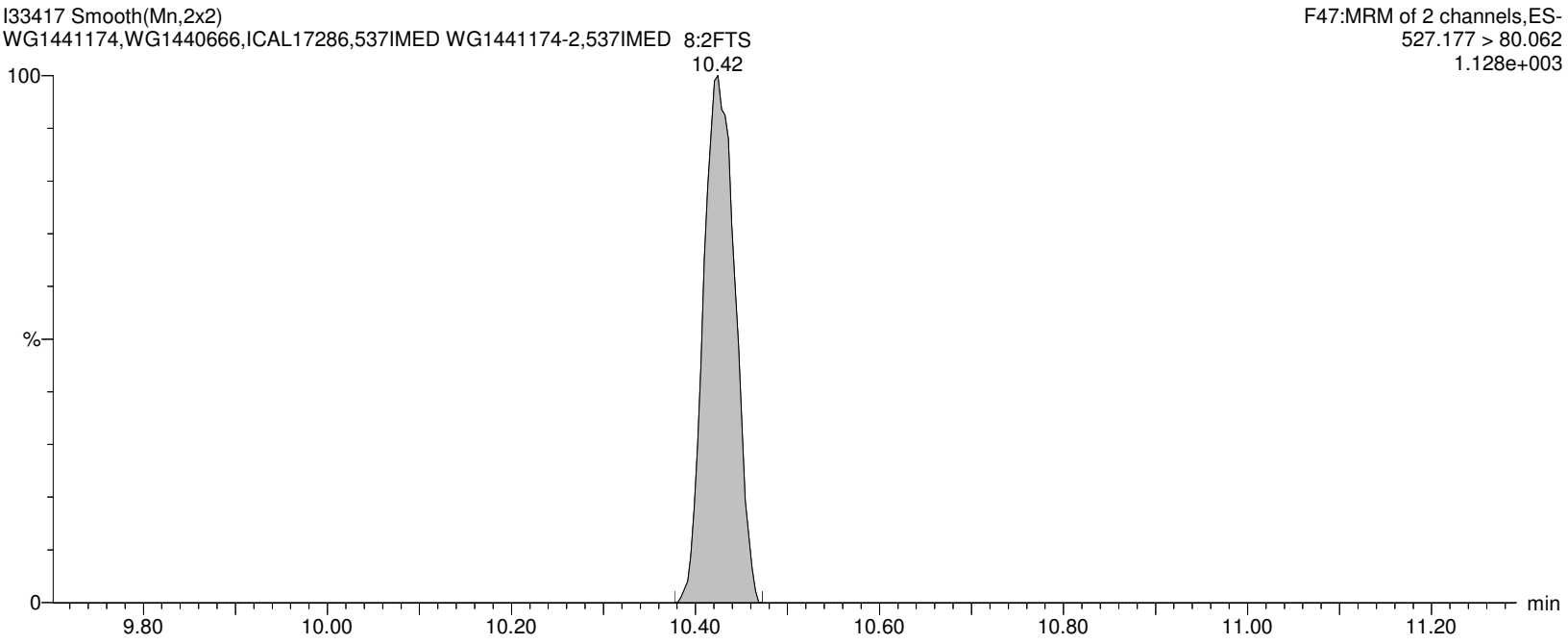

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-A.qld
Last Altered: Sunday, December 06, 2020 21:45:26 Eastern Standard Time
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Description: WG1441174,WG1440666,ICAL17286,537IMED
User: LCMS02:JW
Vial: 1:A,3
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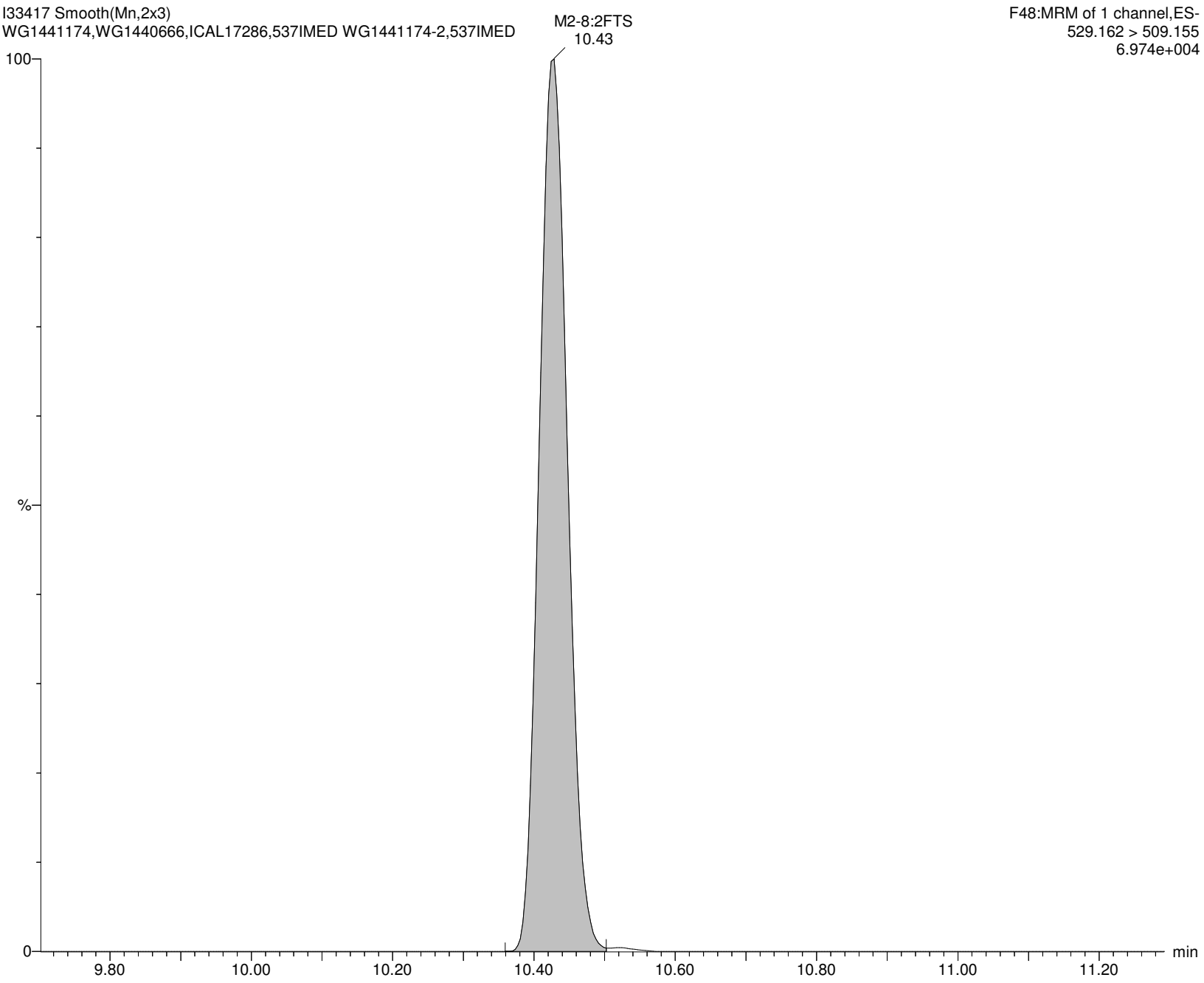

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-A.qld
Last Altered: Sunday, December 06, 2020 21:45:26 Eastern Standard Time
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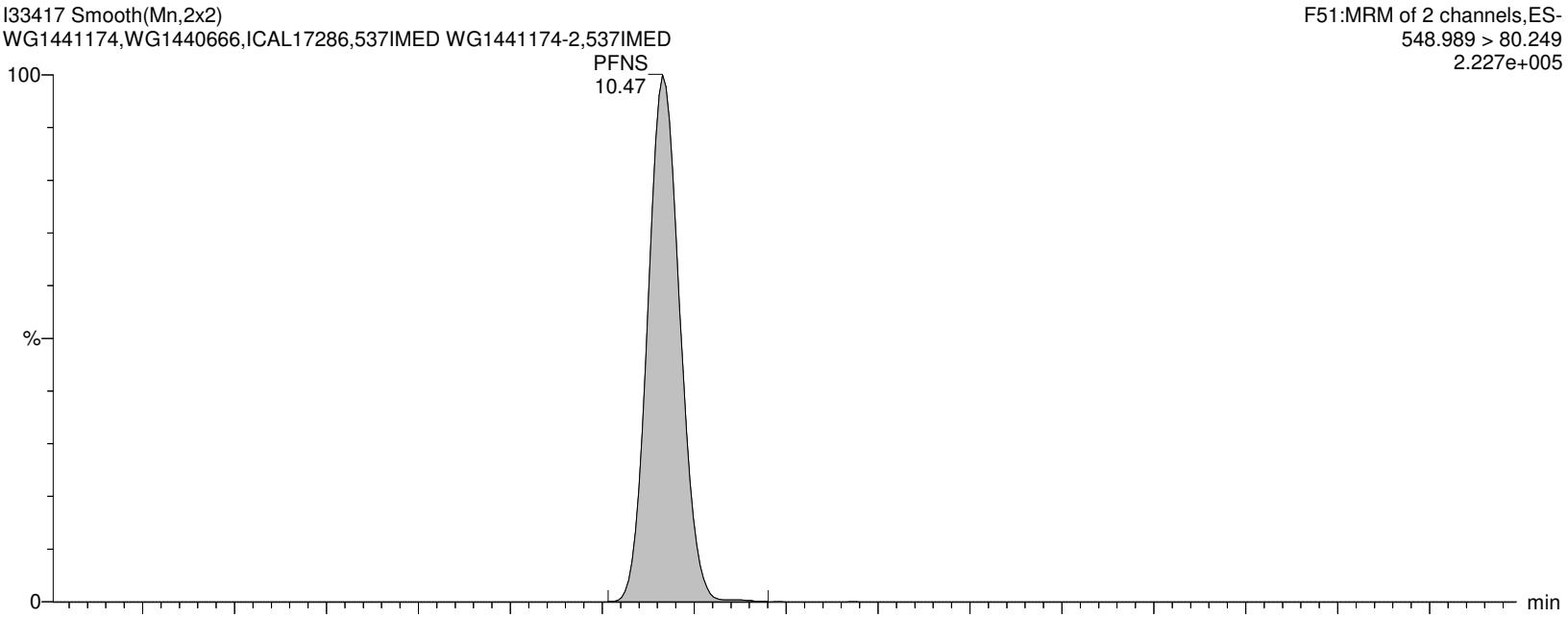

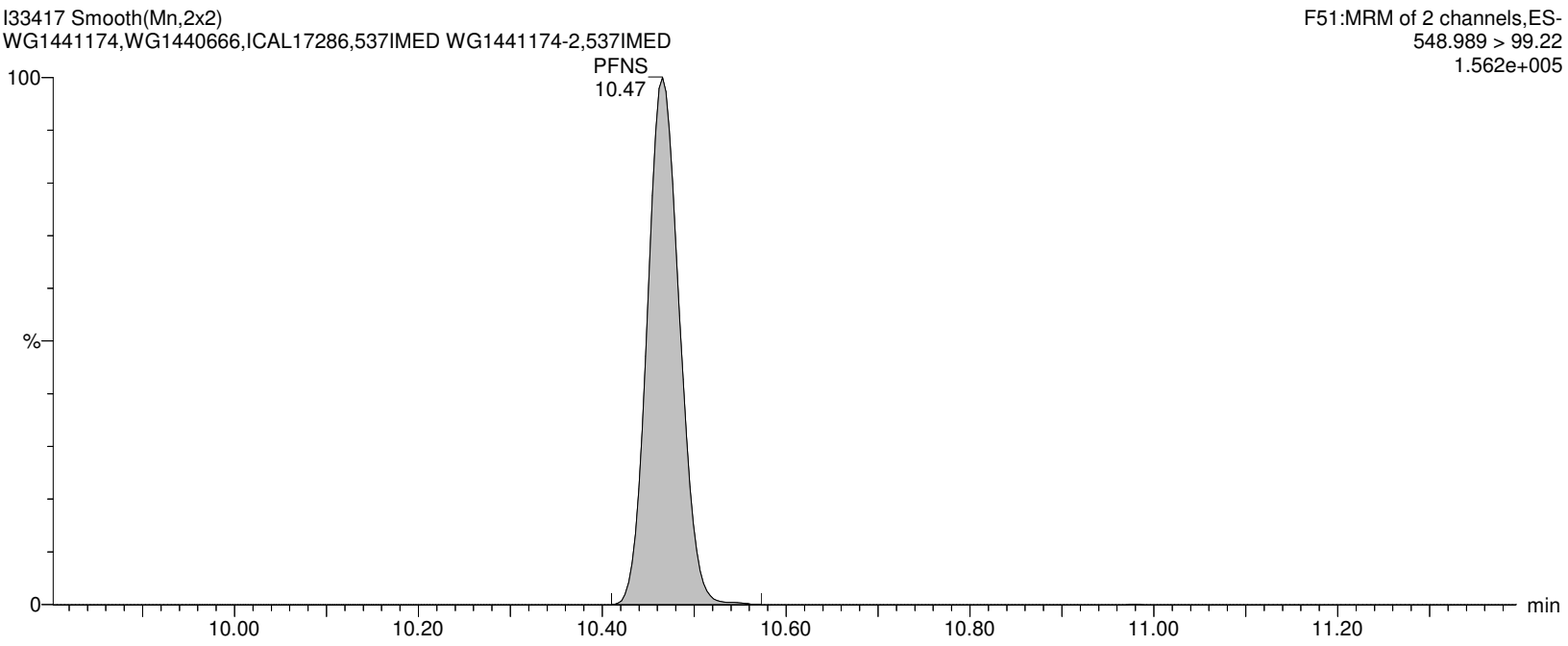

all concentration units in (ng/mL)

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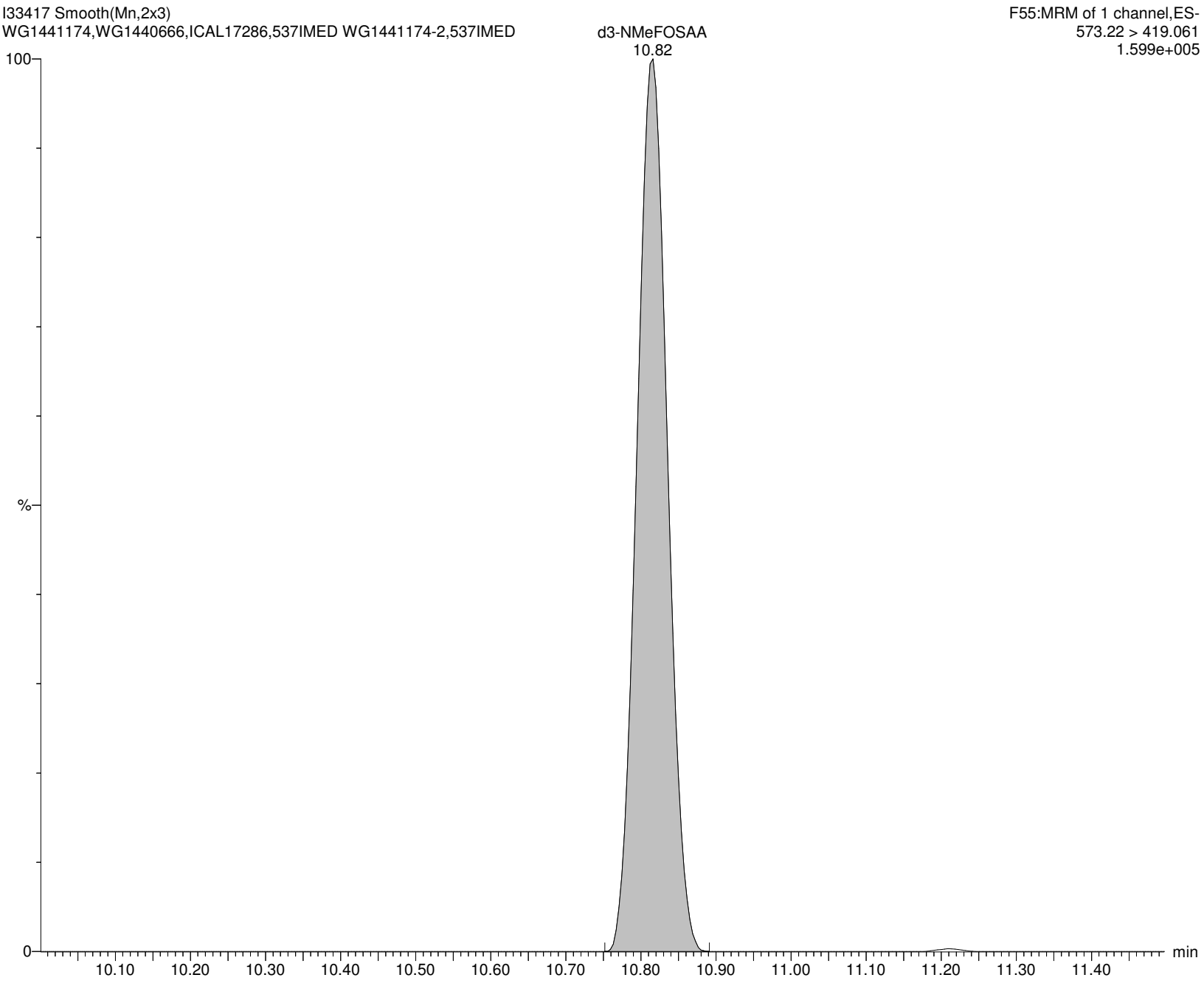

all concentration units in (ng/mL)

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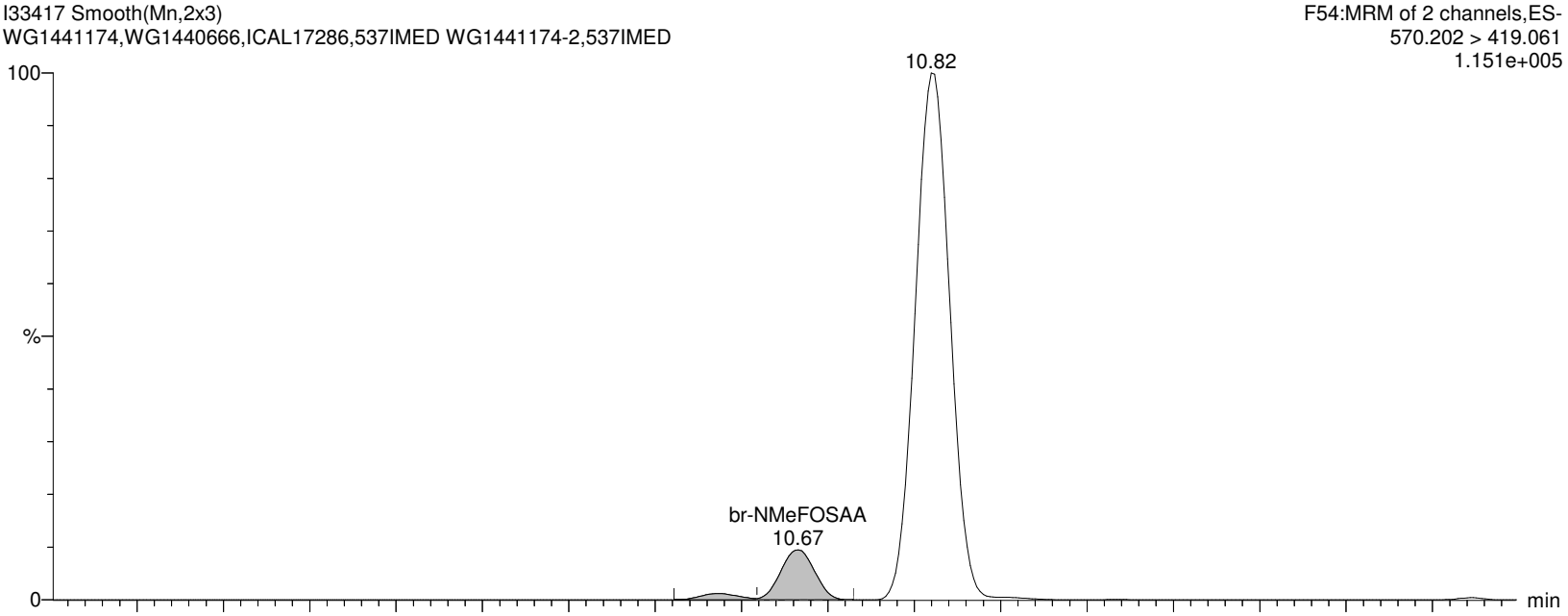

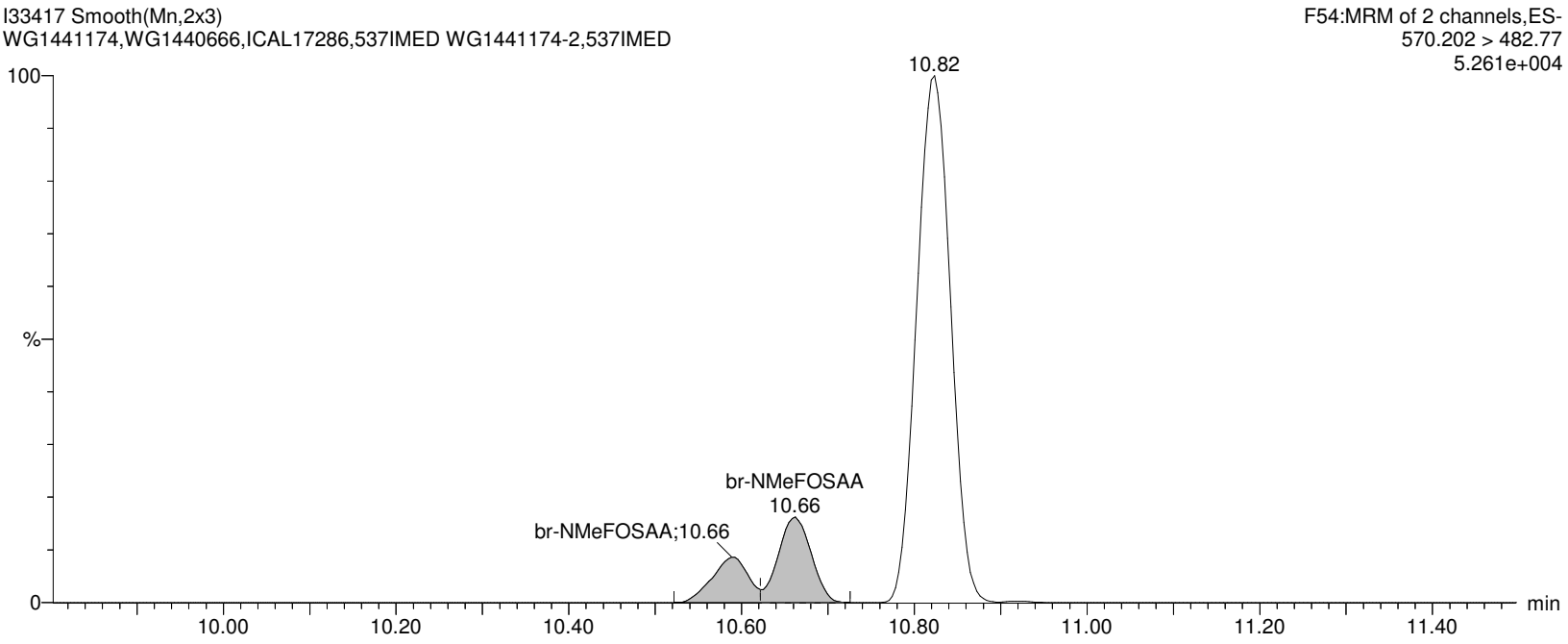

all concentration units in (ng/mL)

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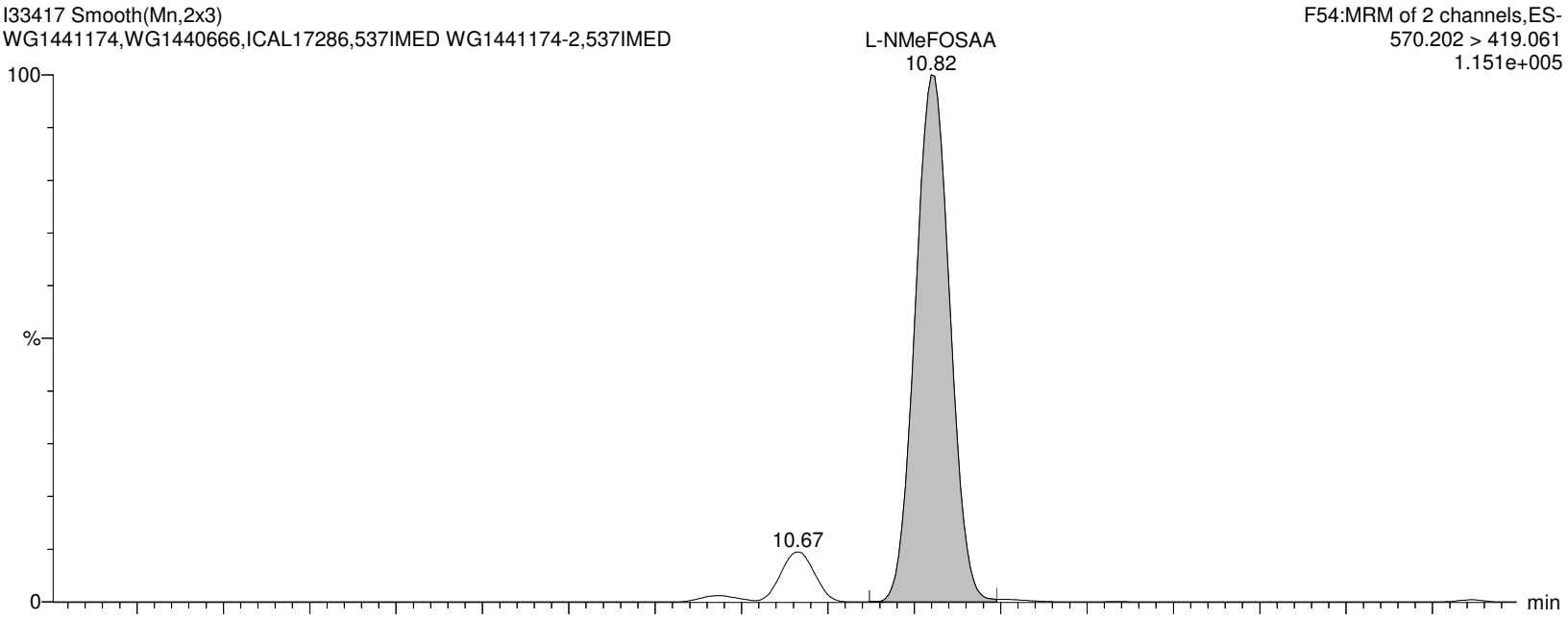
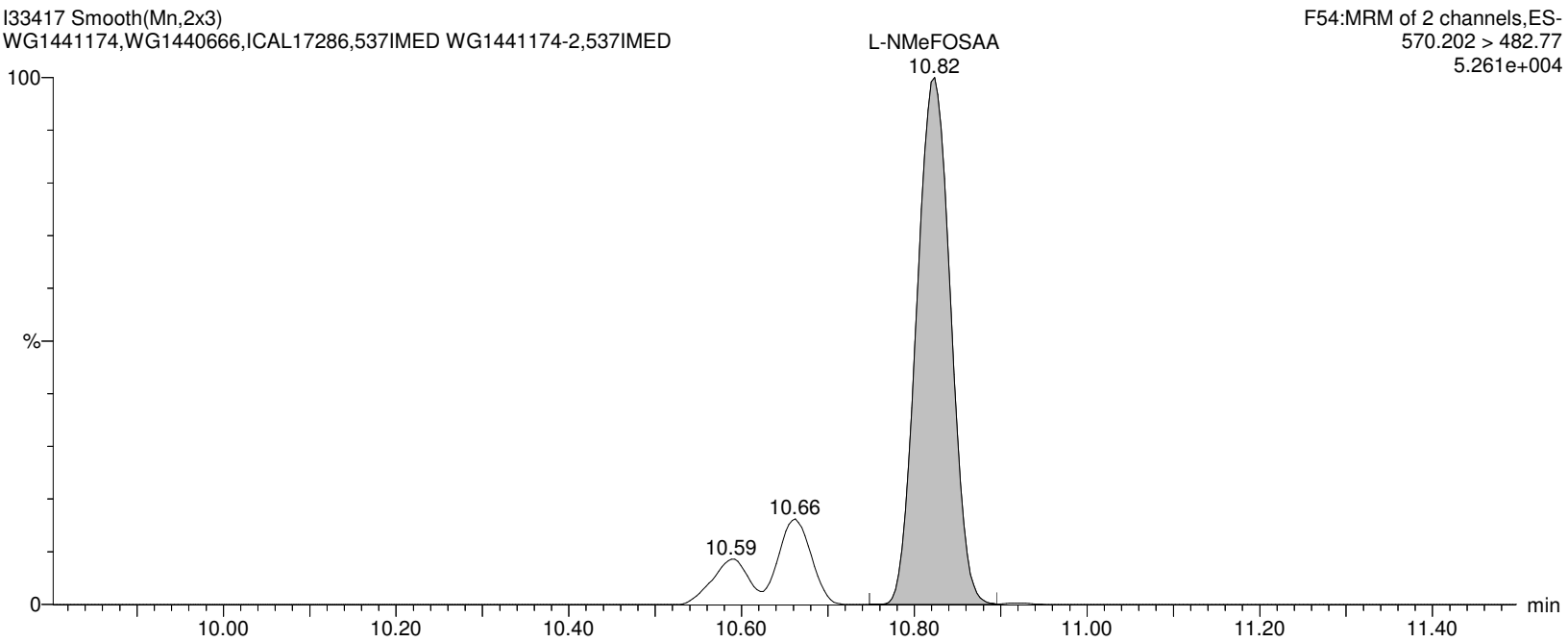
L-NMeFOSAA





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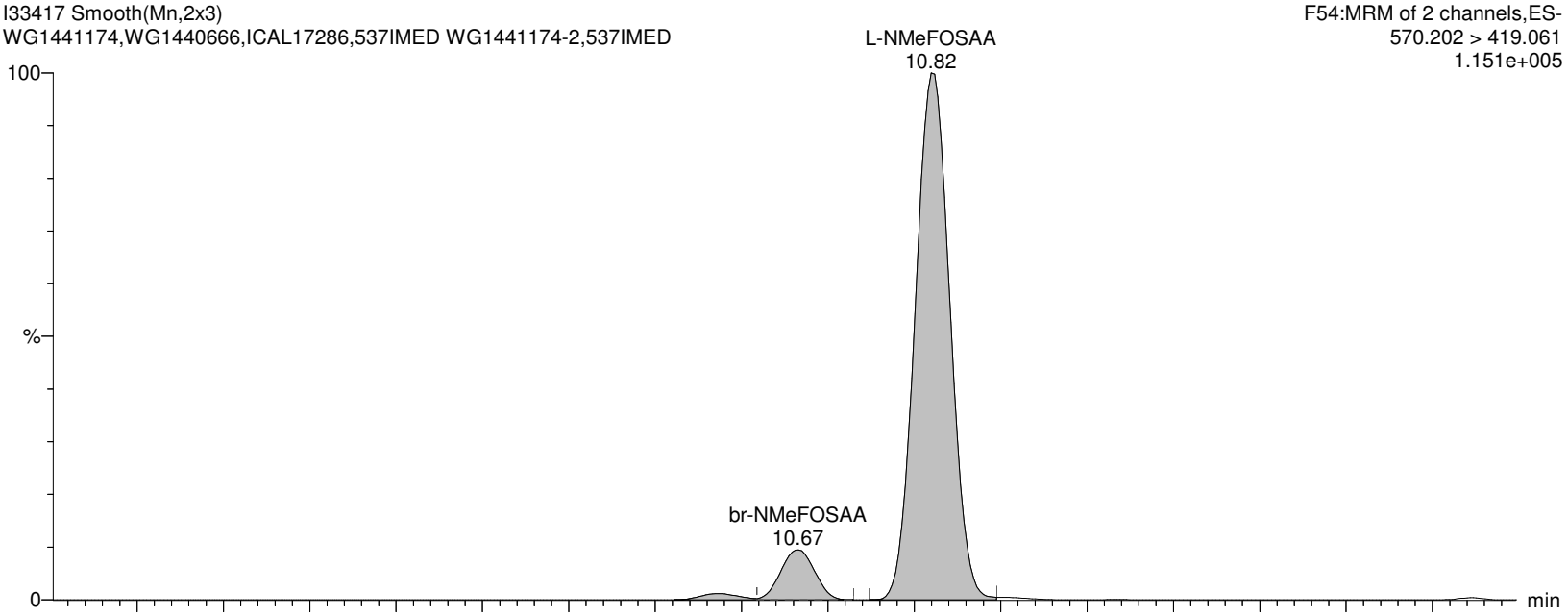

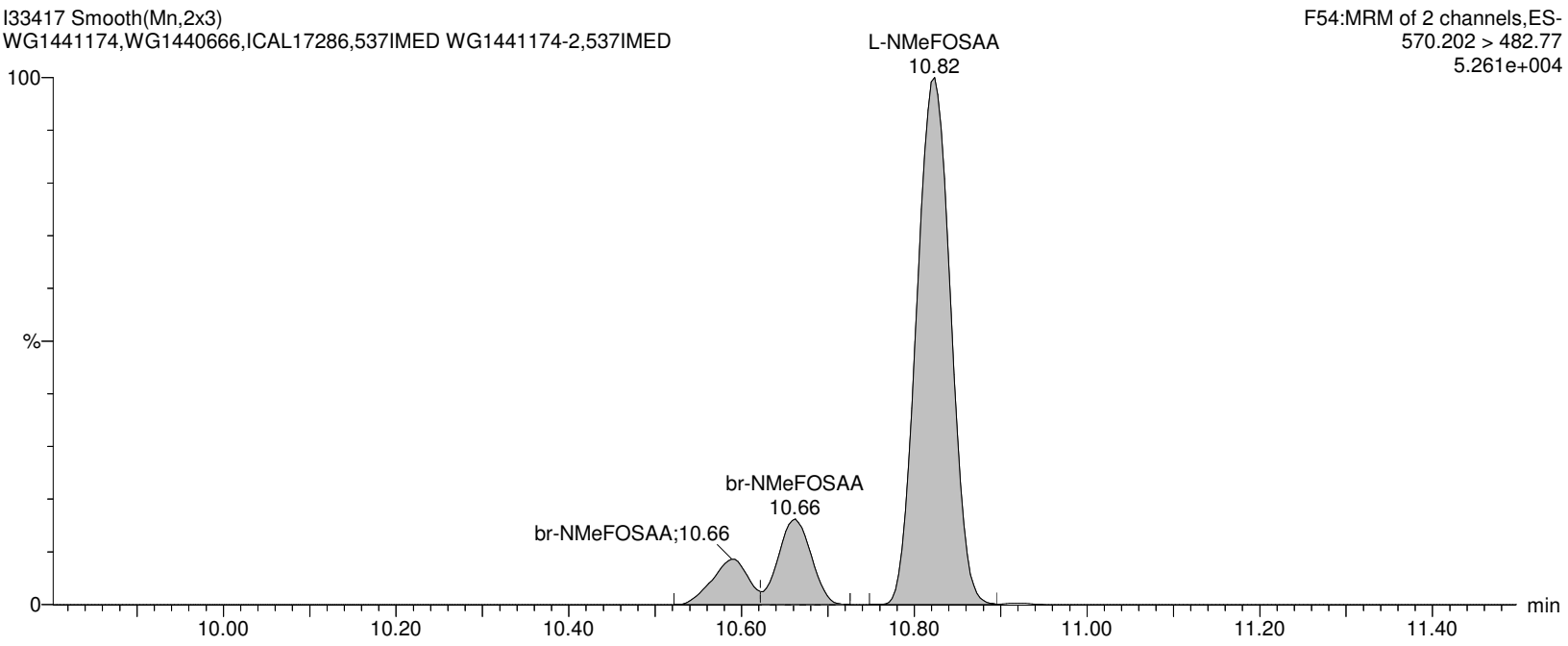

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Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\200520_TUNE.IPR
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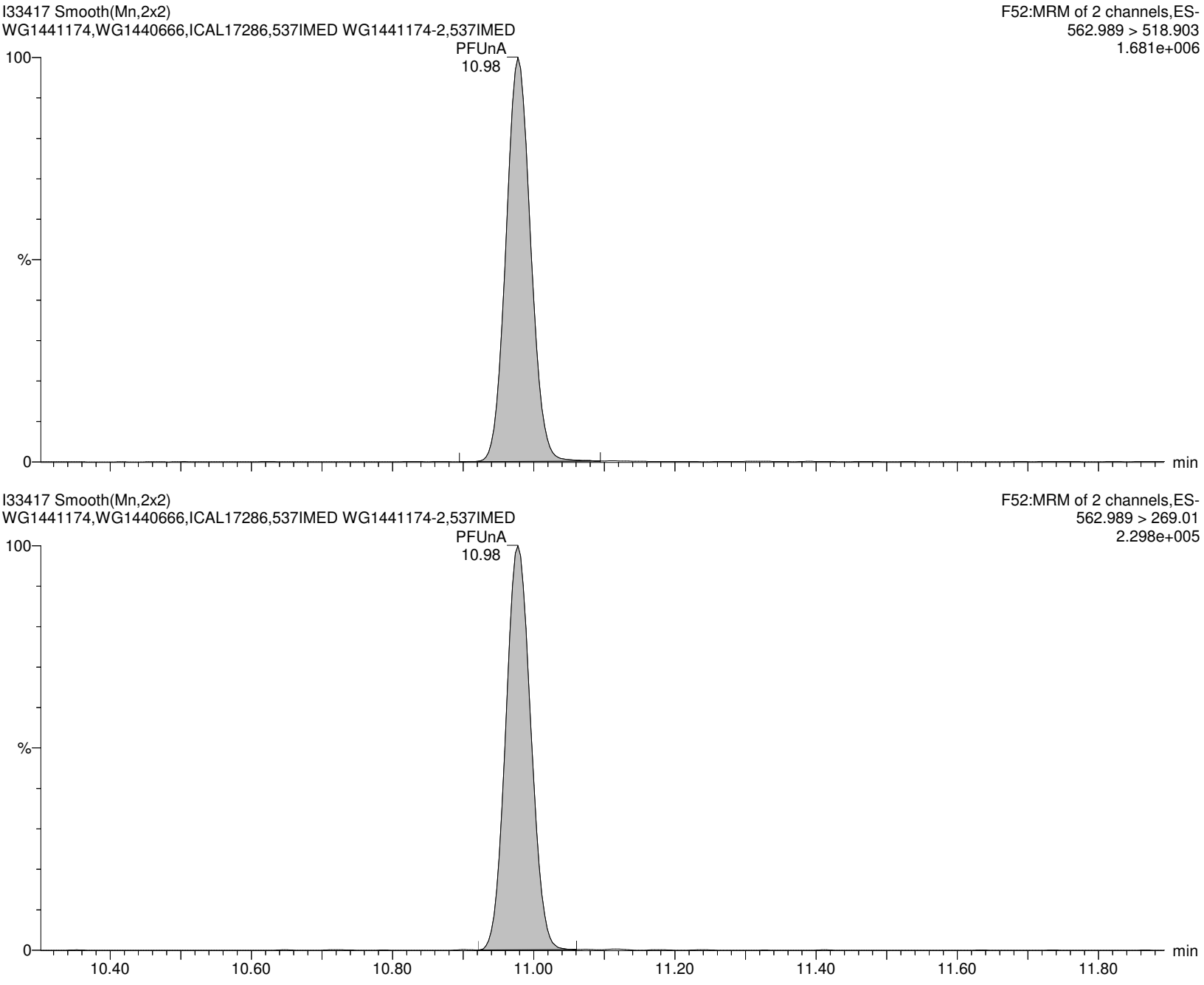
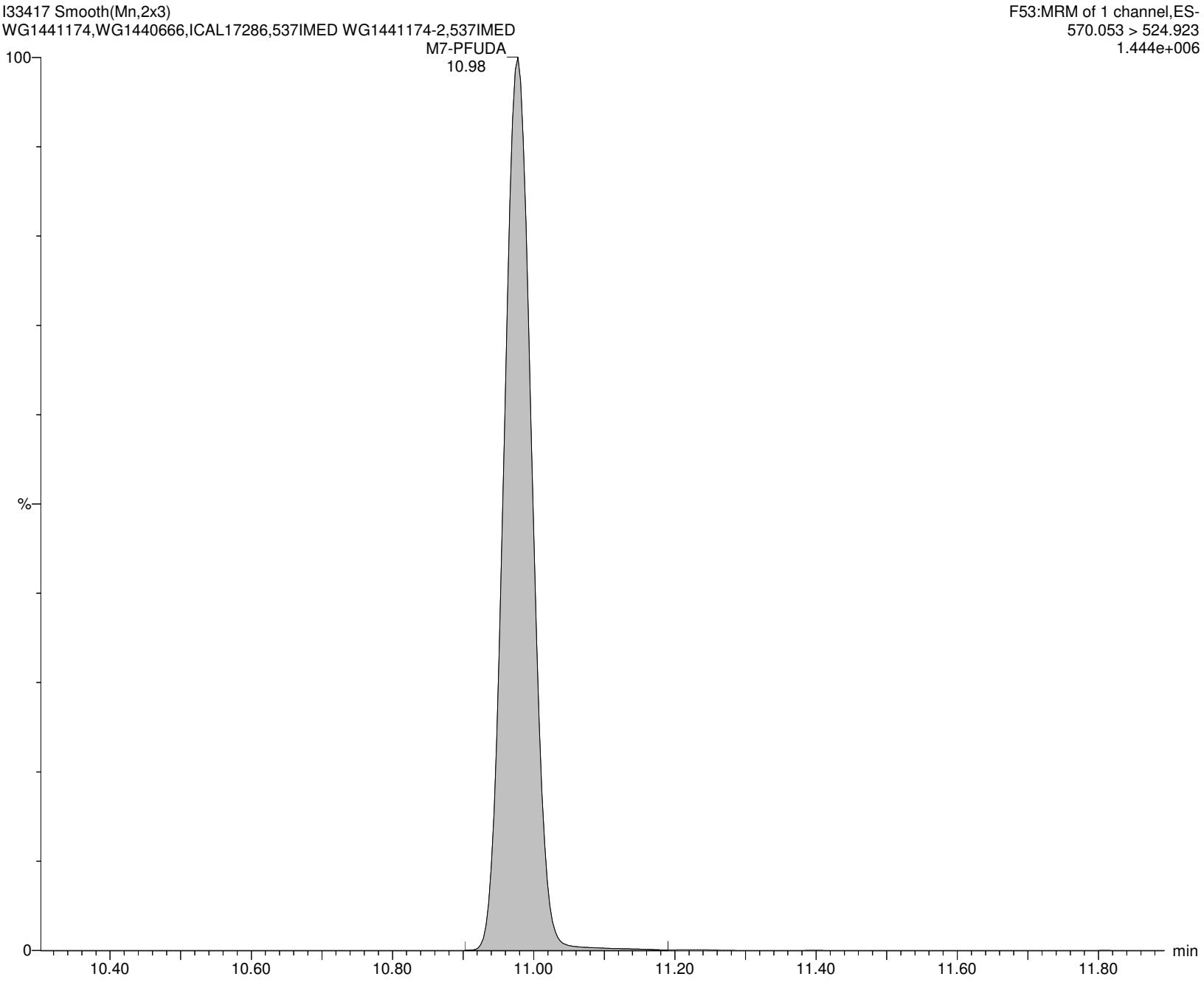


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-A.qld
Last Altered: Sunday, December 06, 2020 21:45:26 Eastern Standard Time
Printed: Sunday, December 06, 2020 21:46:38 Eastern Standard Time

Name: I33417
ID: WG1441174-2,537IMED
Date: 04-Dec-2020
Time: 16:12:23
Description: WG1441174,WG1440666,ICAL17286,537IMED
User: LCMS02:JW
Vial: 1:A,3
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\200520_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

M7-PFUDA



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-A.qld
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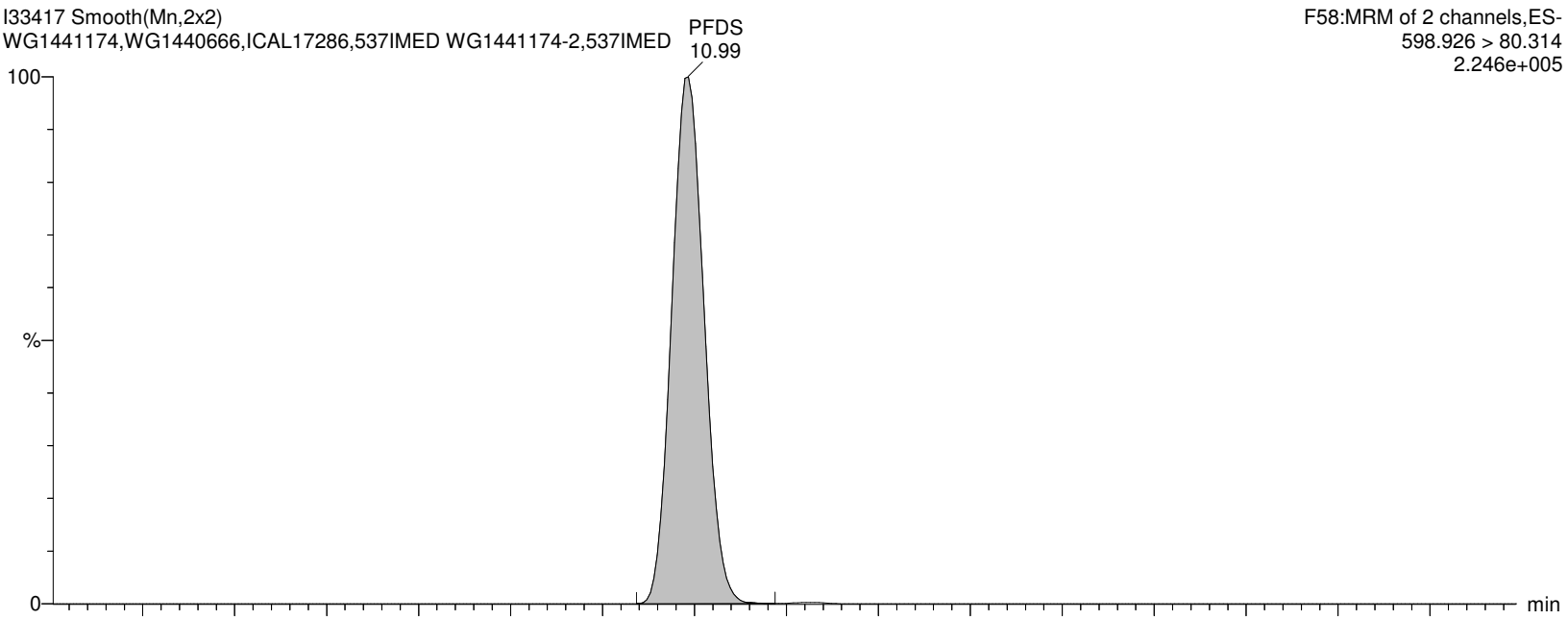

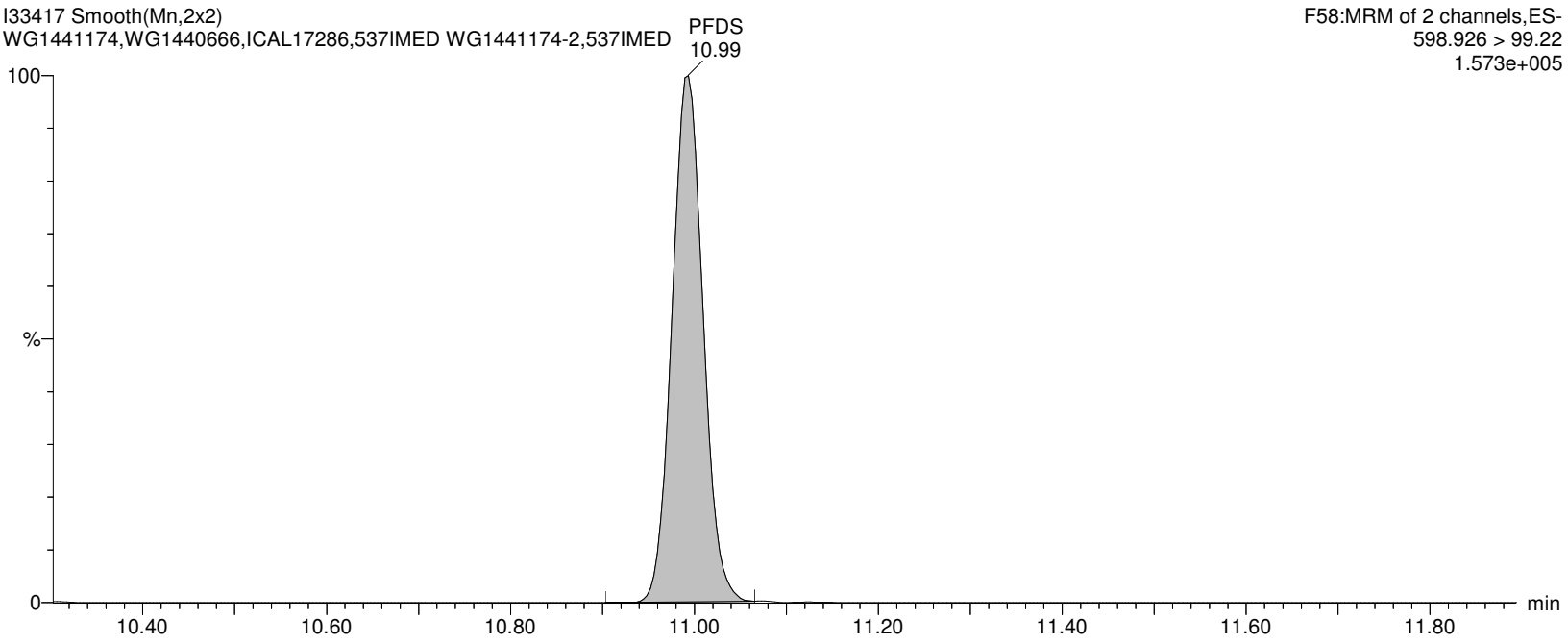

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-A.qld
Last Altered: Sunday, December 06, 2020 21:45:26 Eastern Standard Time
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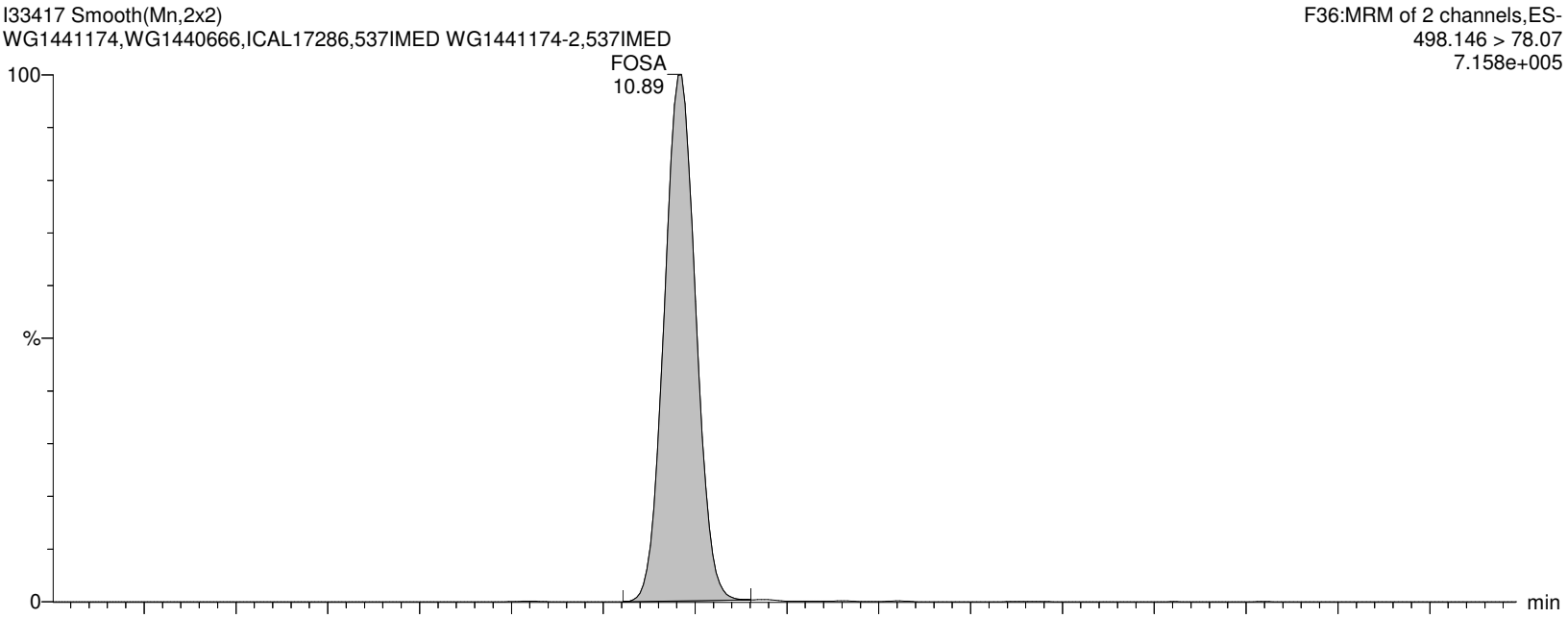

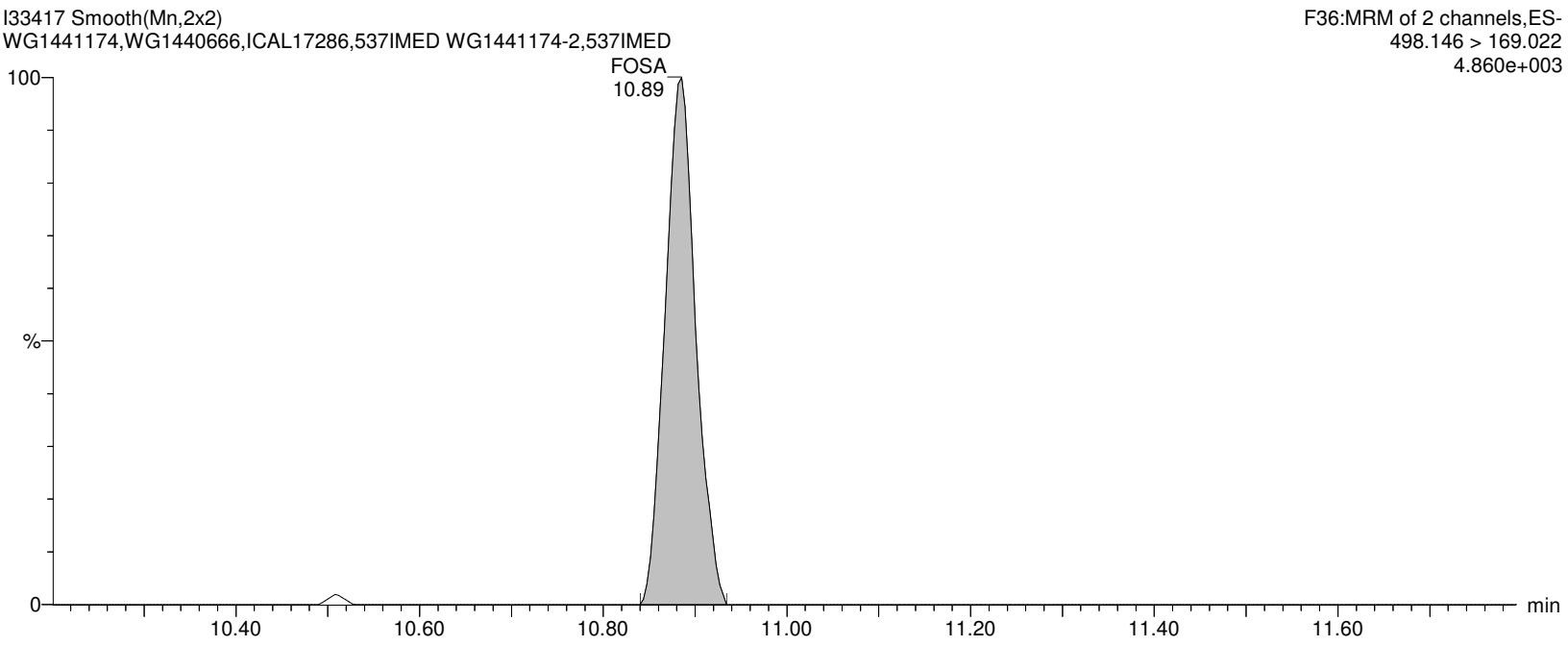

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-A.qld
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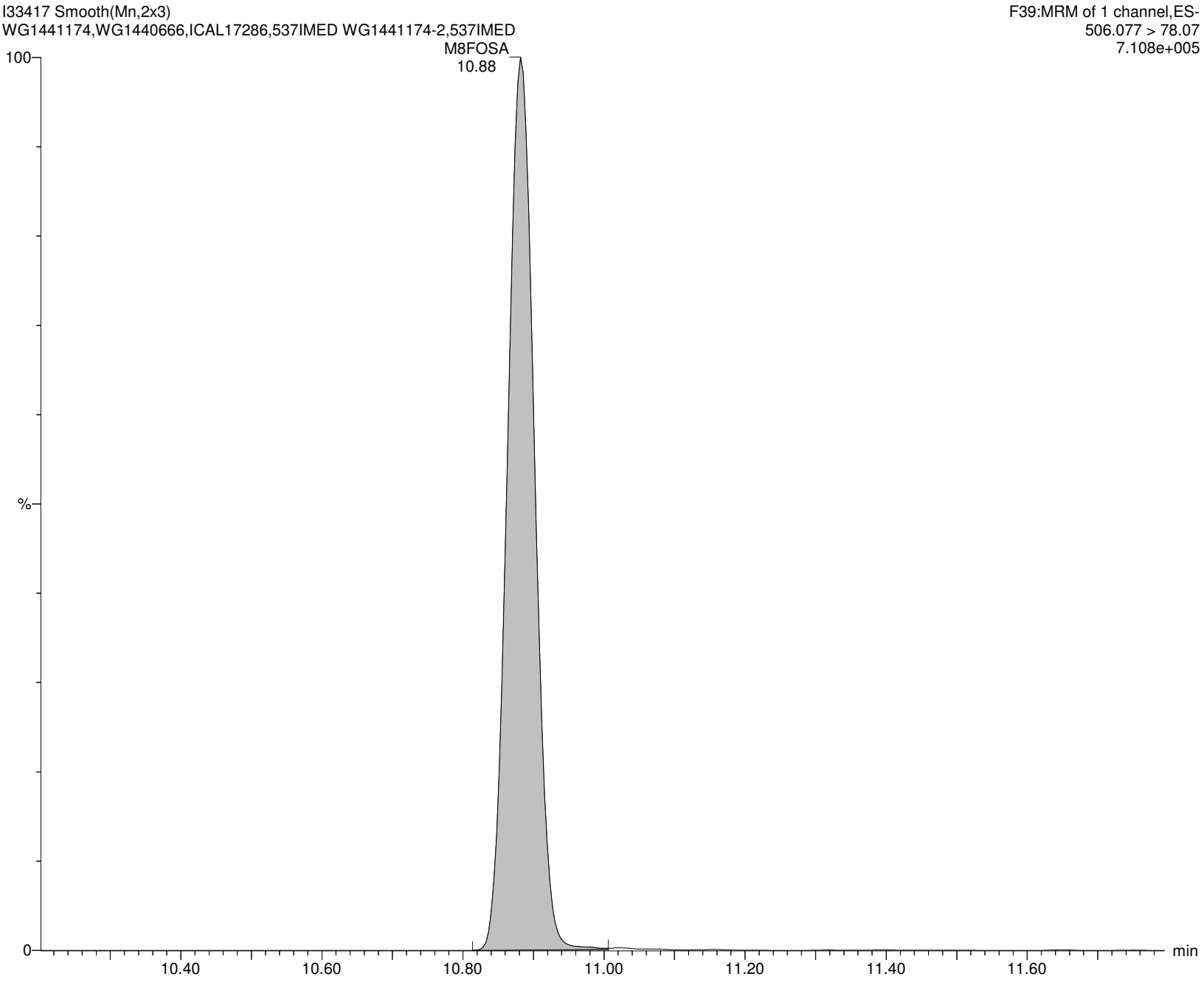

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-A.qld
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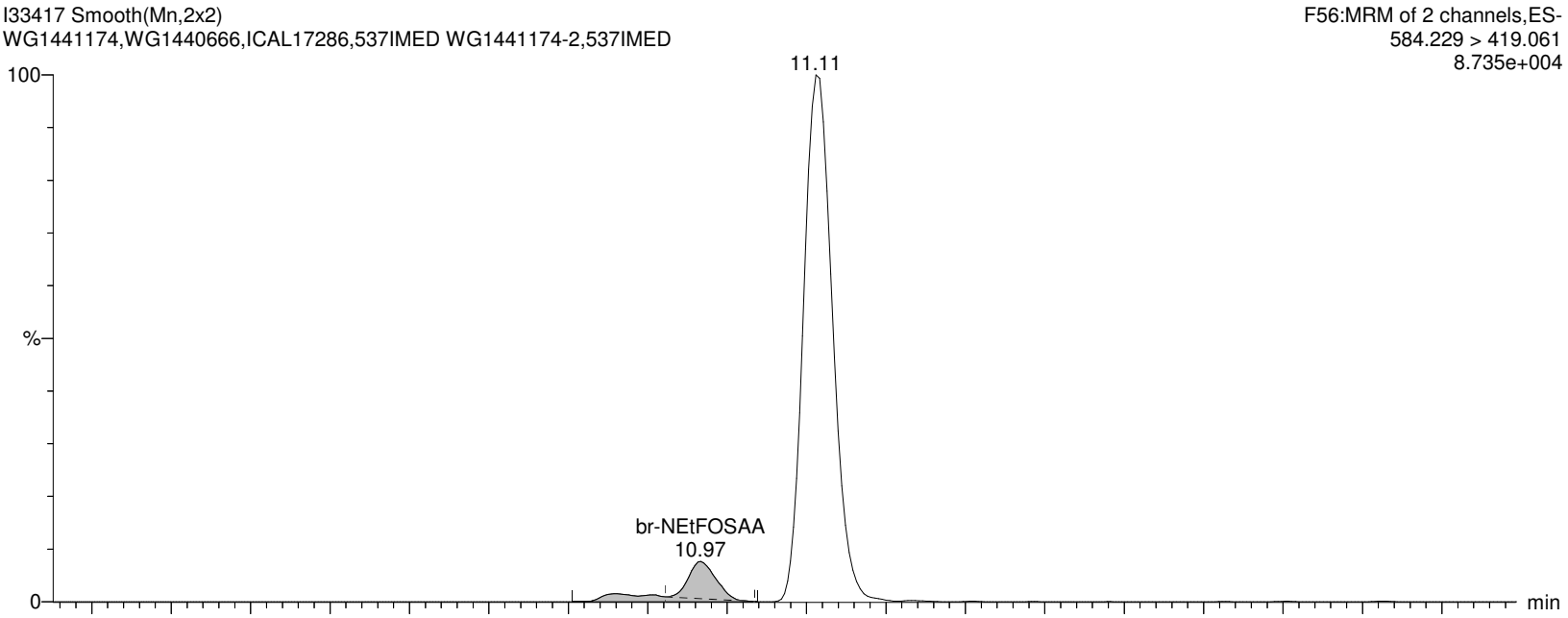

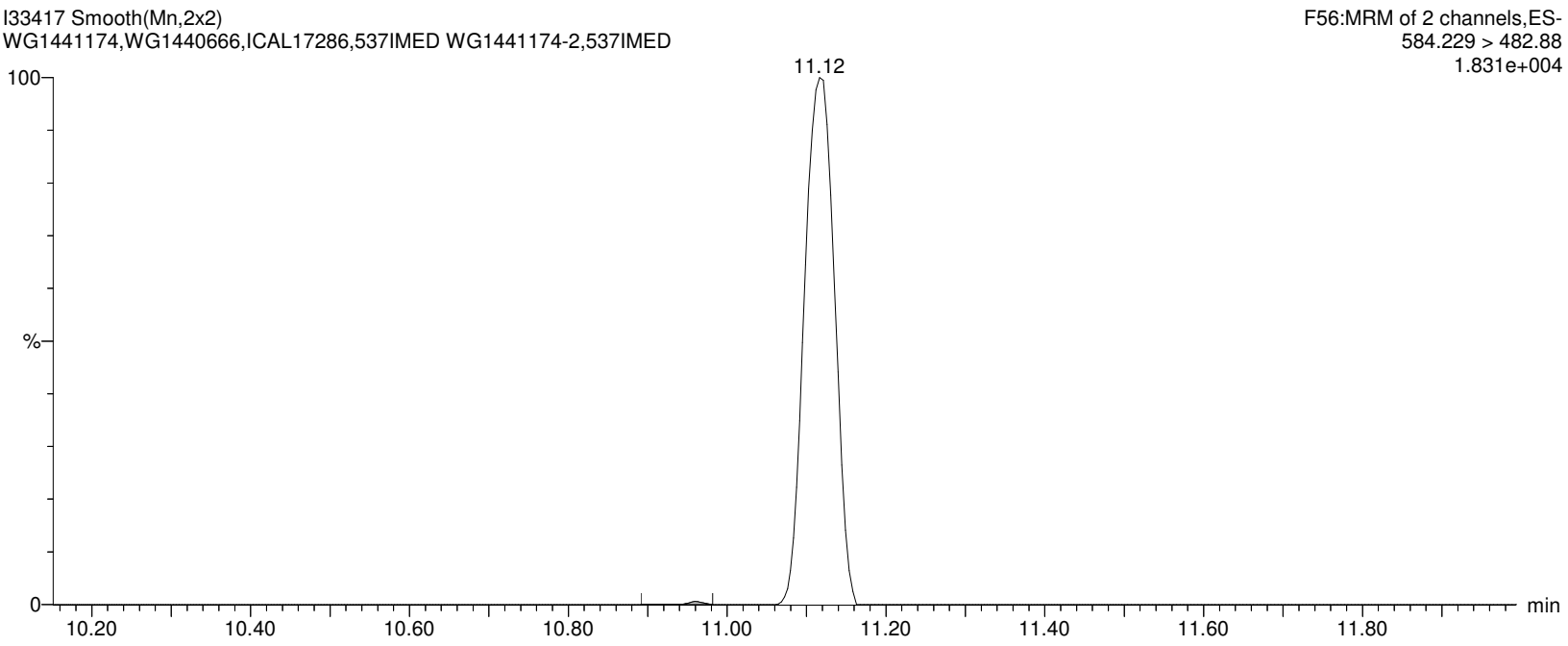

all concentration units in (ng/mL)

Alpha Analytical Inc.
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Vial: 1:A,3
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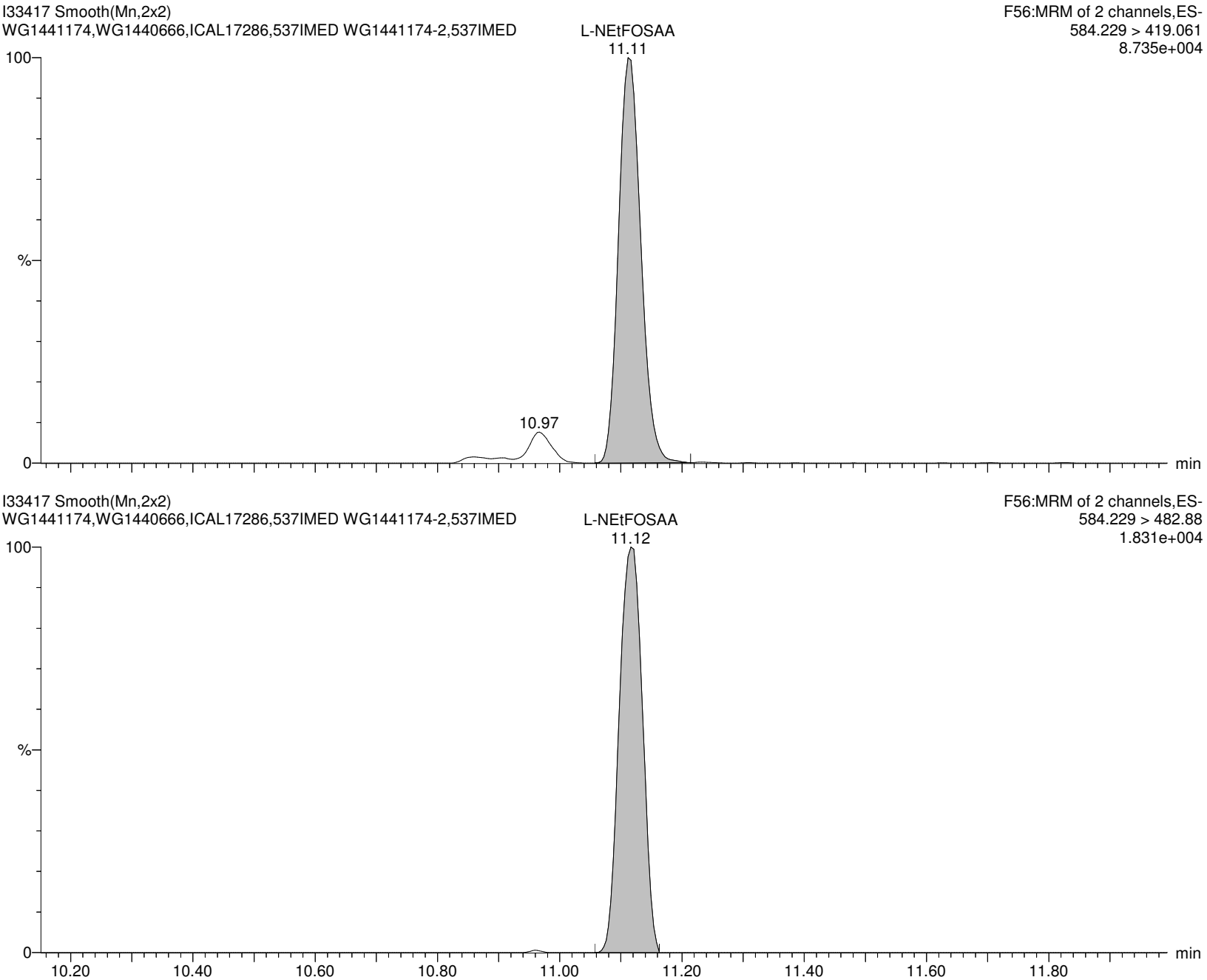

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-A.qld
Last Altered: Sunday, December 06, 2020 21:45:26 Eastern Standard Time
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Date: 04-Dec-2020
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Description: WG1441174,WG1440666,ICAL17286,537IMED
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Vial: 1:A,3
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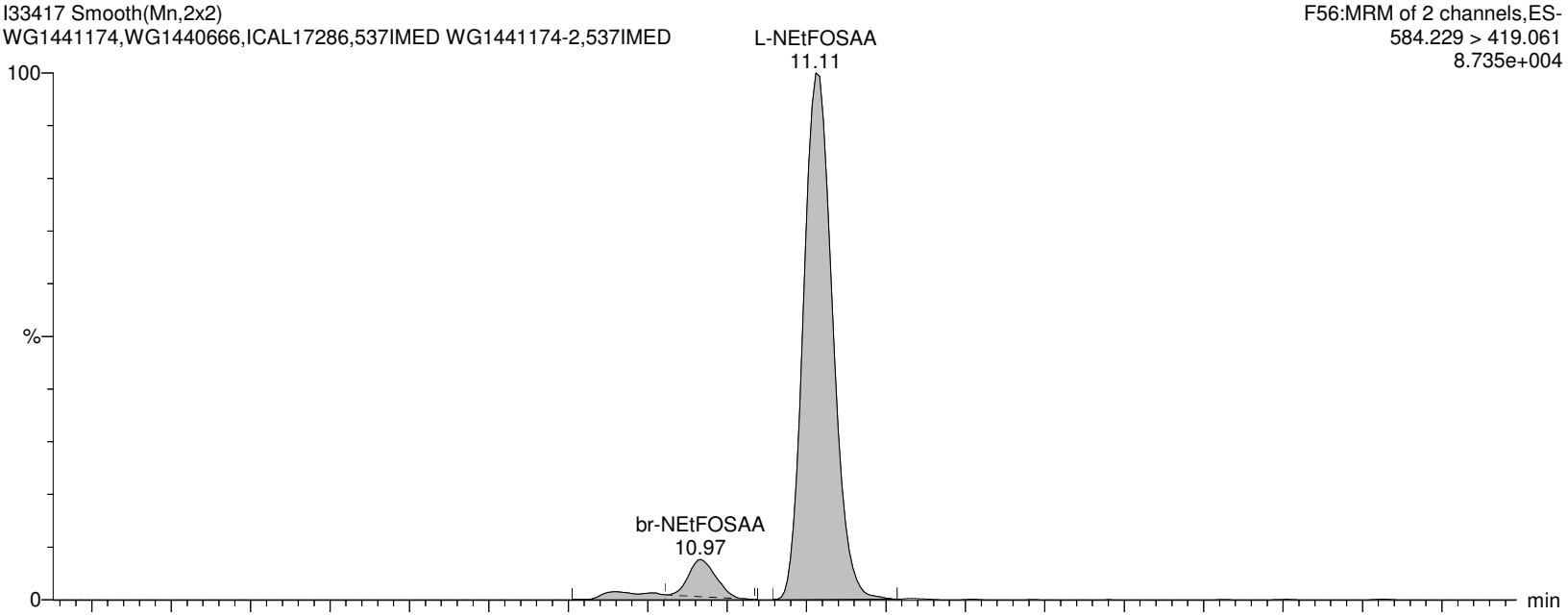

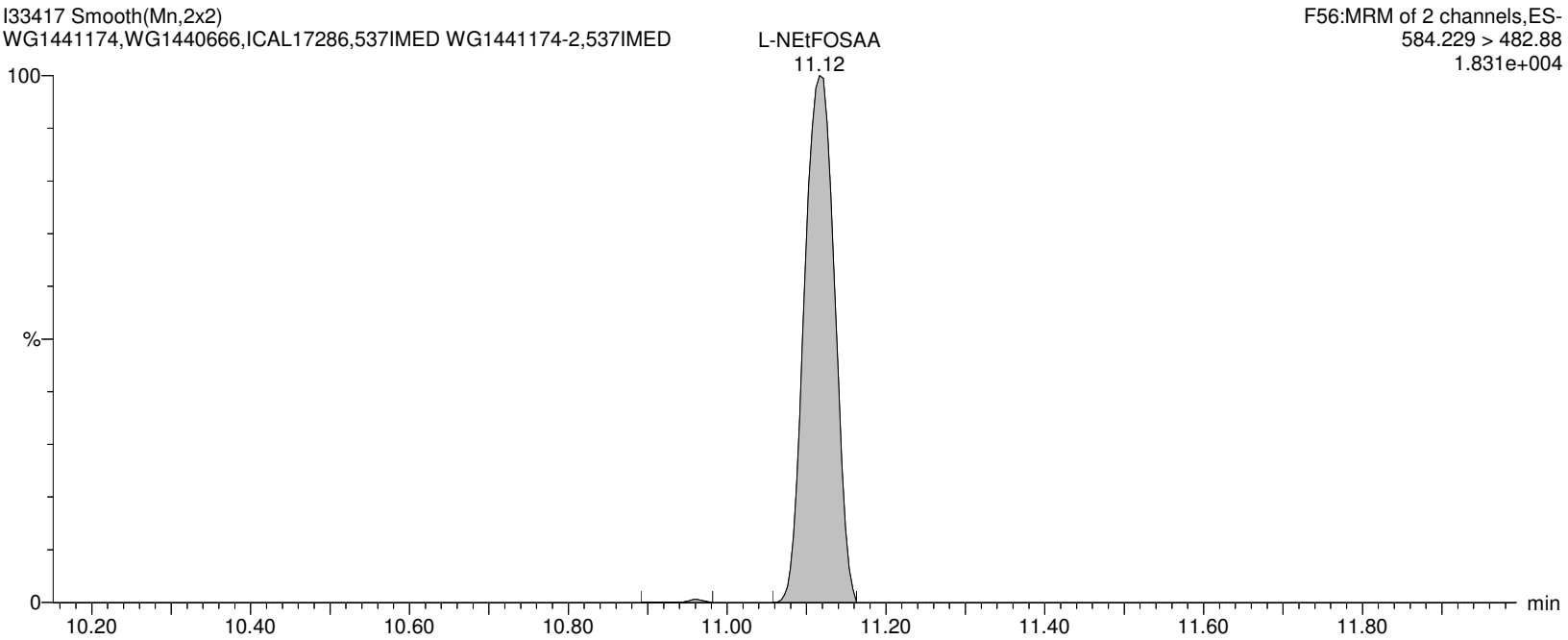

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-A.qld
Last Altered: Sunday, December 06, 2020 21:45:26 Eastern Standard Time
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Date: 04-Dec-2020
Time: 16:12:23
Description: WG1441174,WG1440666,ICAL17286,537IMED
User: LCMS02:JW
Vial: 1:A,3
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
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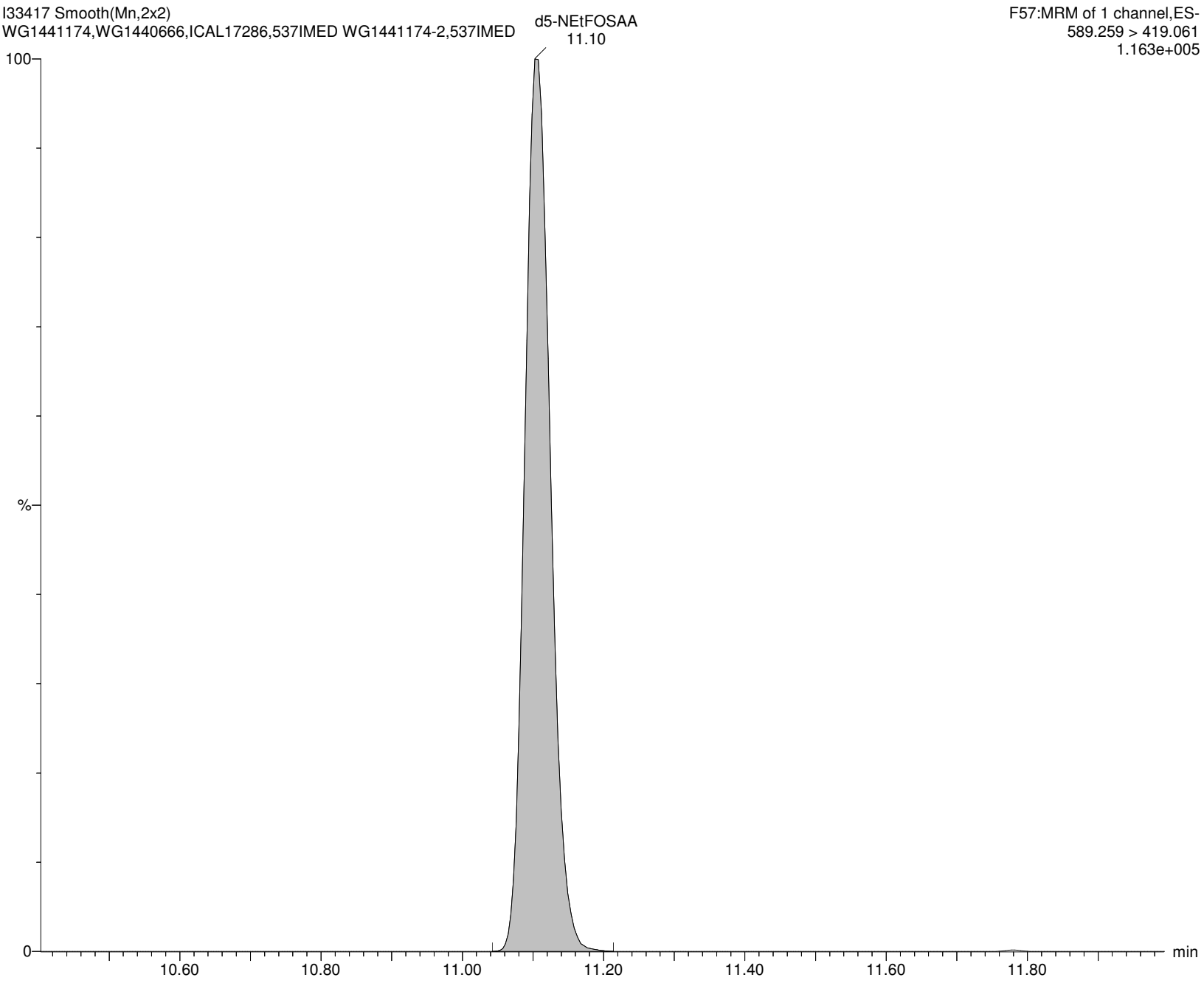

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-A.qld
Last Altered: Sunday, December 06, 2020 21:45:26 Eastern Standard Time
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Date: 04-Dec-2020
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Description: WG1441174,WG1440666,ICAL17286,537IMED
User: LCMS02:JW
Vial: 1:A,3
Instrument: XEVO-TQSmicro#QEB0050
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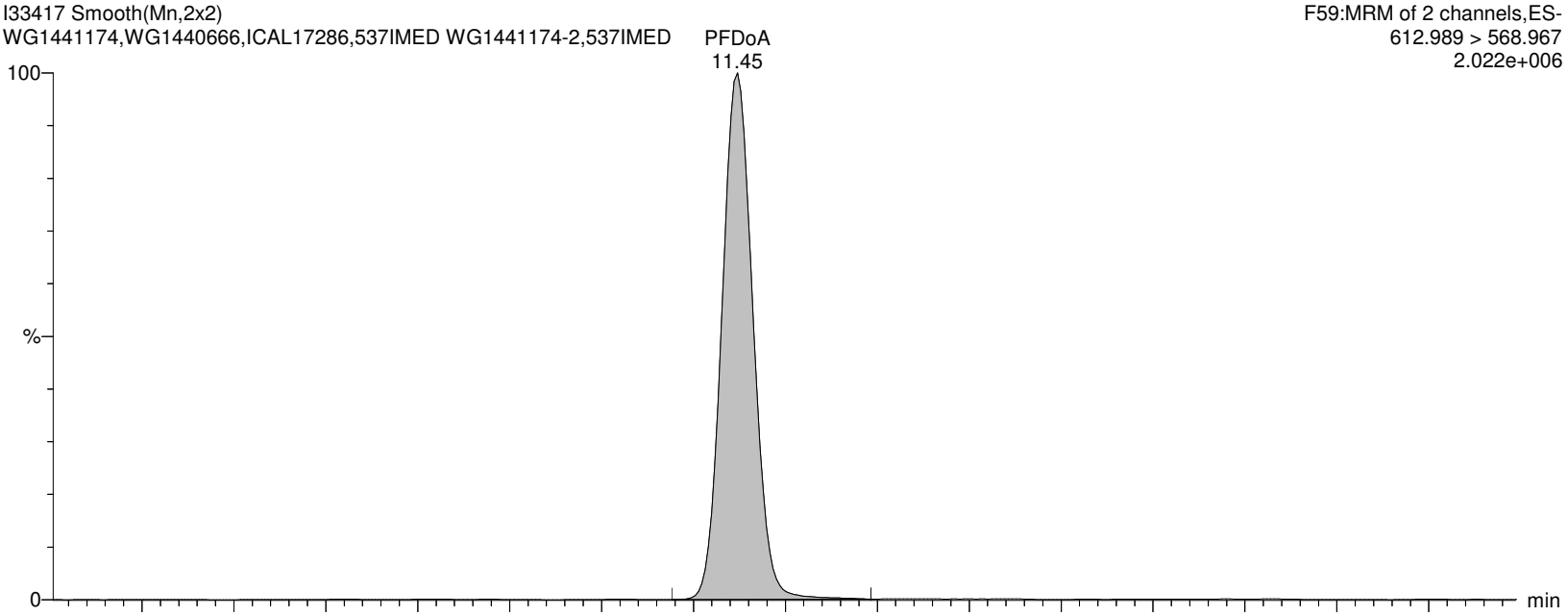
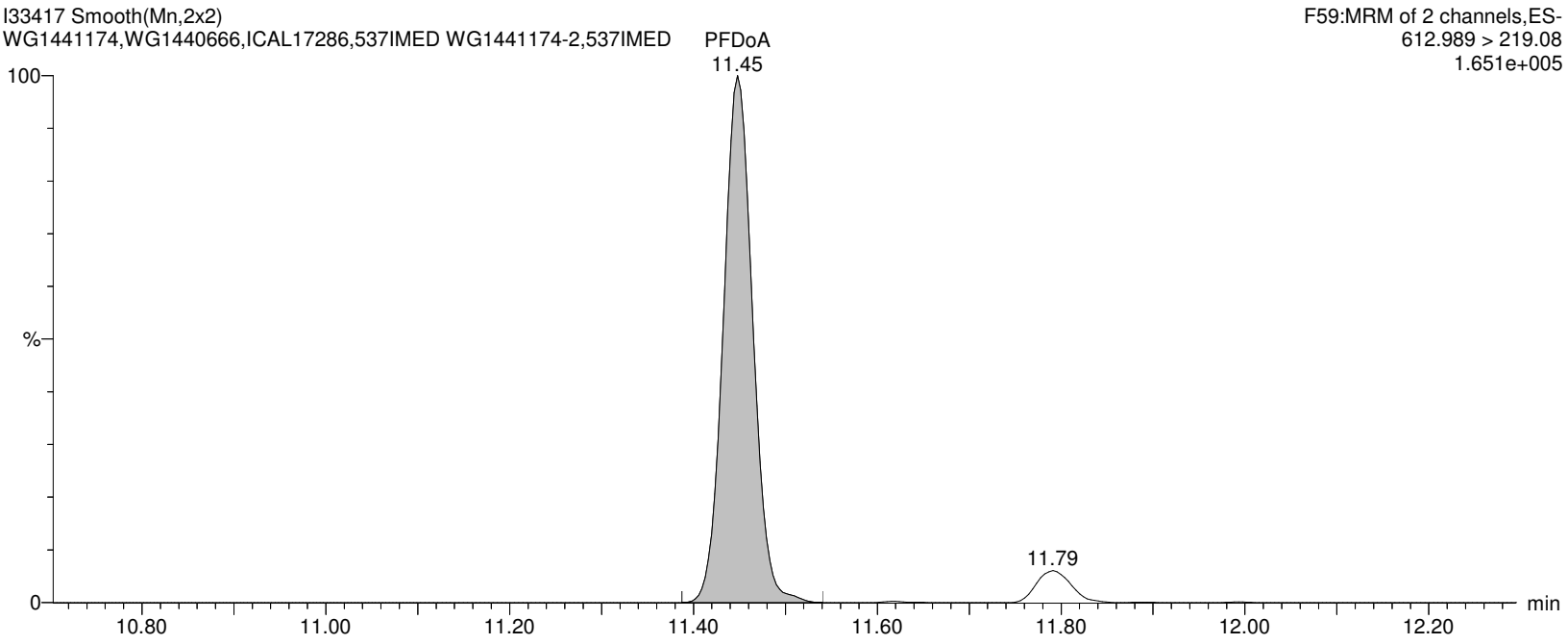
MS Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

PFDoA





all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-A.qld
Last Altered: Sunday, December 06, 2020 21:45:26 Eastern Standard Time
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Date: 04-Dec-2020
Time: 16:12:23
Description: WG1441174,WG1440666,ICAL17286,537IMED
User: LCMS02:JW
Vial: 1:A,3
Instrument: XEVO-TQSmicro#QEB0050
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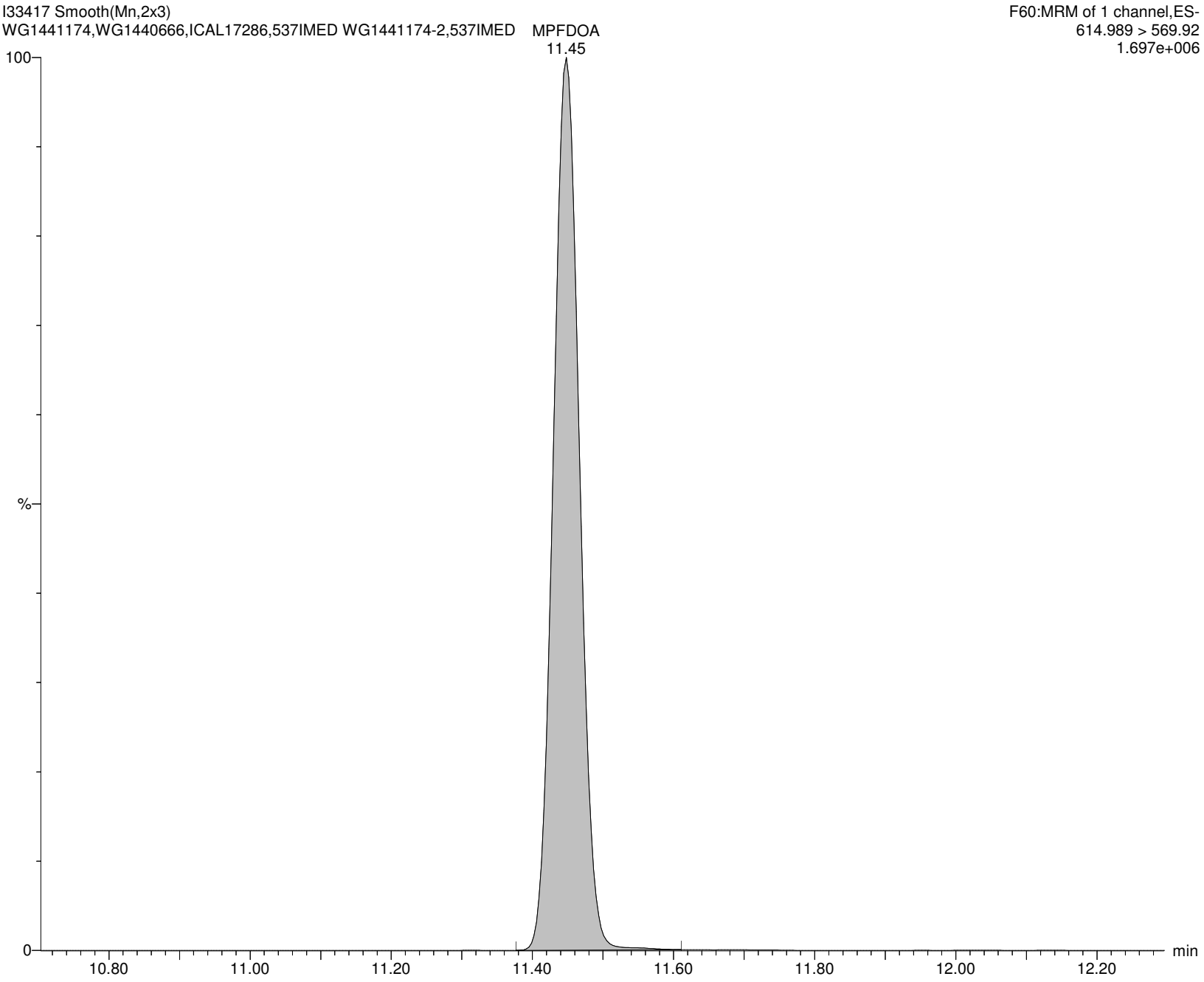

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-A.qld
Last Altered: Sunday, December 06, 2020 21:45:26 Eastern Standard Time
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Vial: 1:A,3
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MS Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

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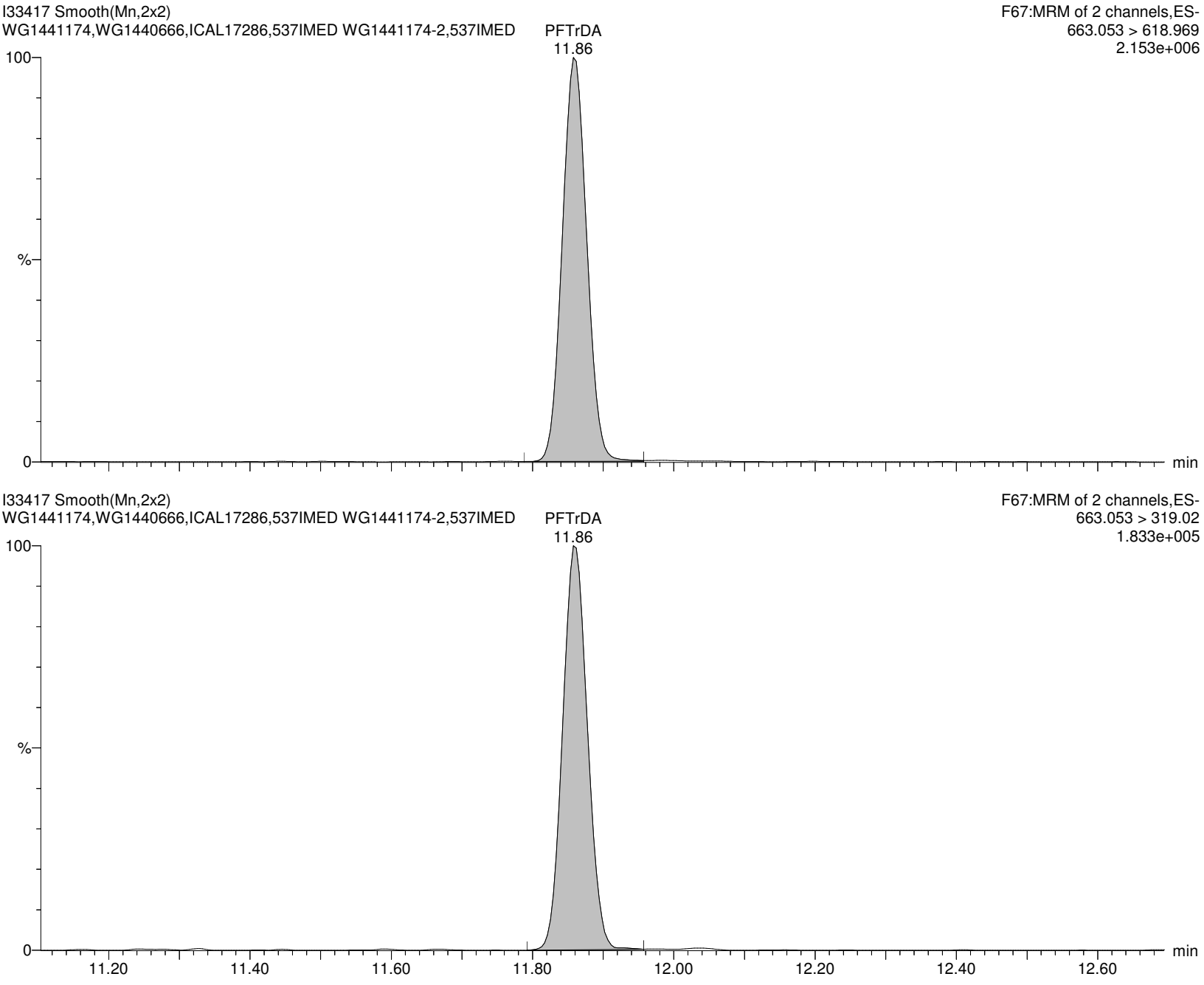

all concentration units in (ng/mL)

Alpha Analytical Inc.
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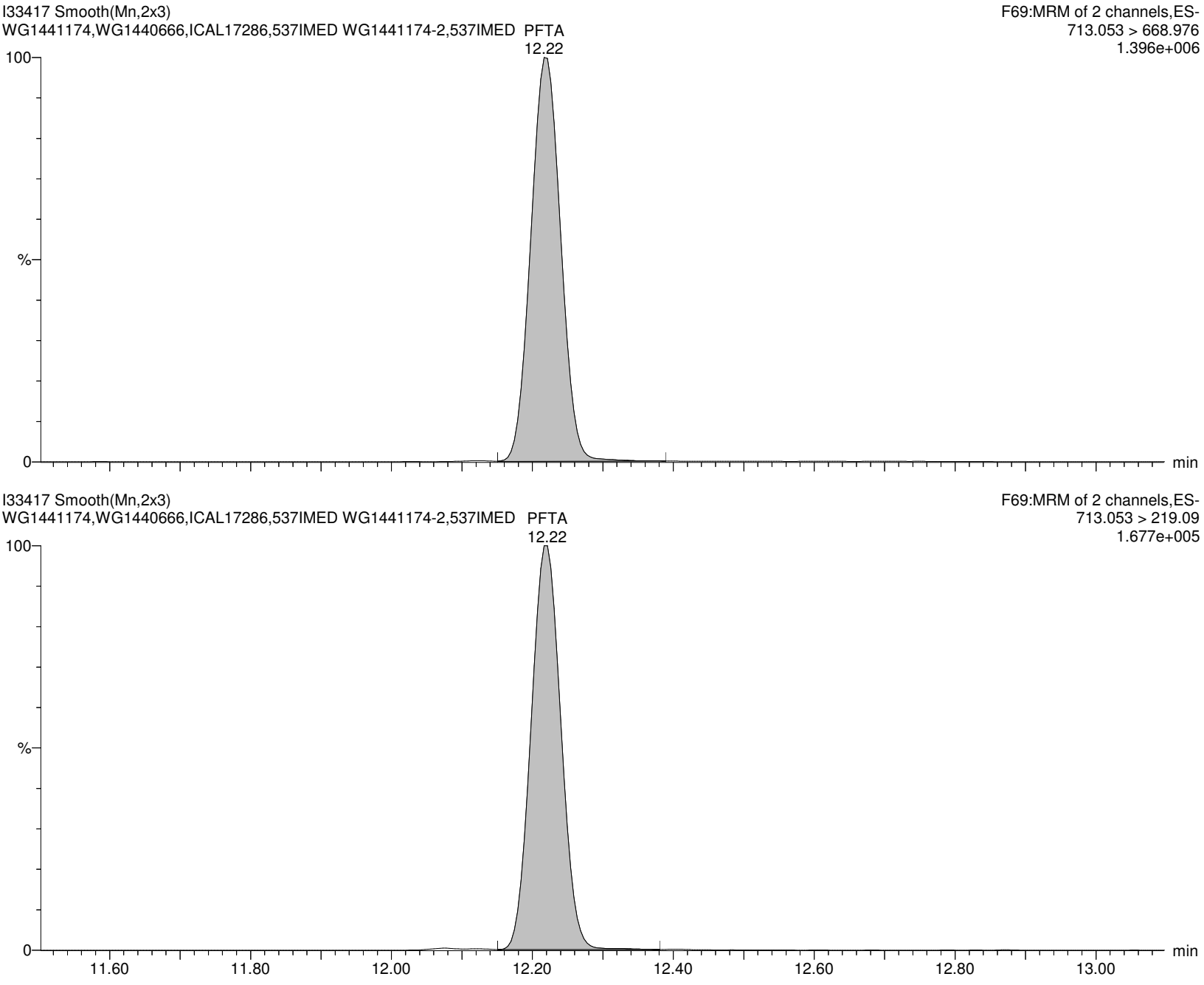

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-A.qld
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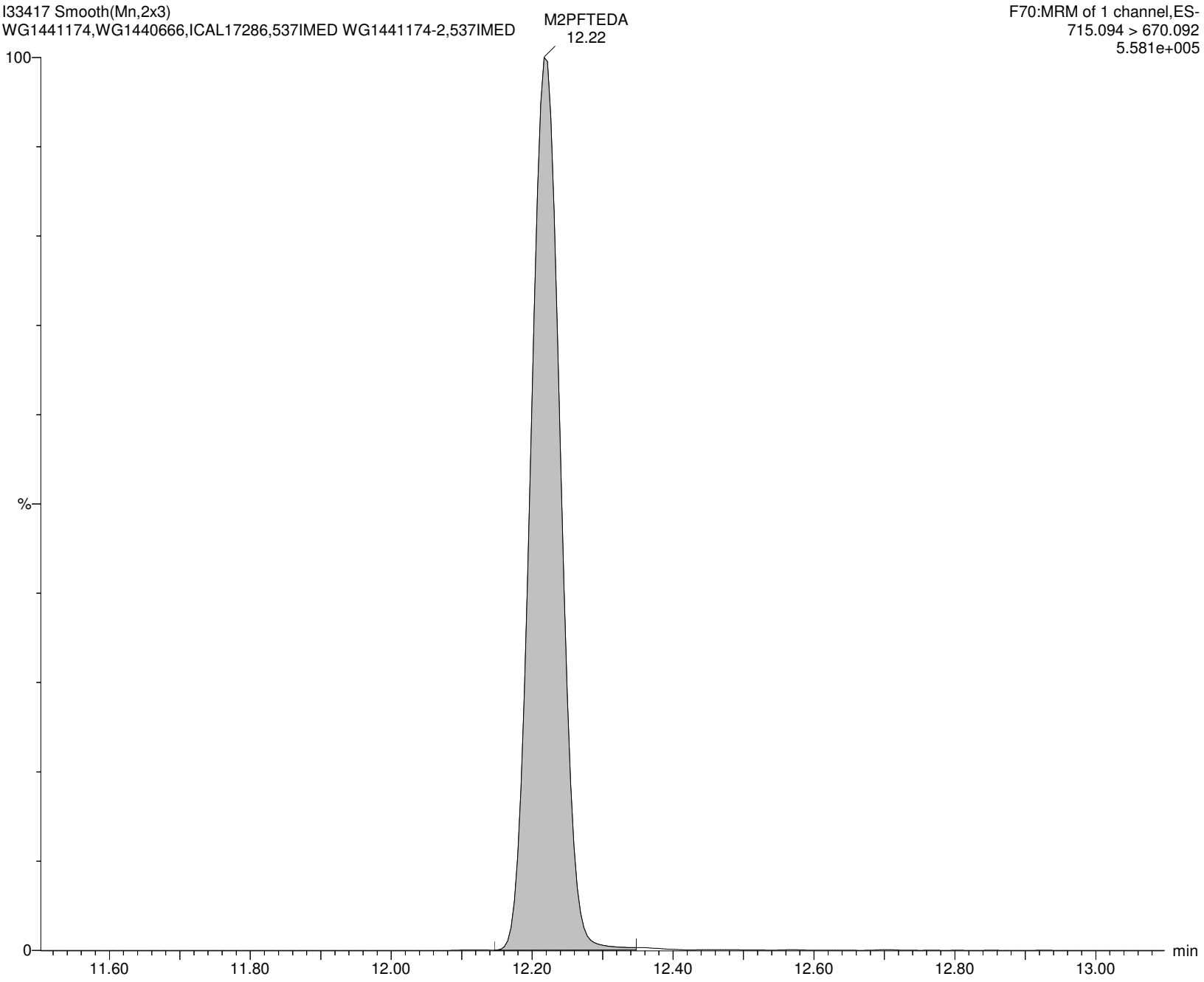

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
Last Altered: Sunday, December 06, 2020 22:56:32 Eastern Standard Time
Printed: Sunday, December 06, 2020 22:59:57 Eastern Standard Time

Method: C:\MassLynx\Data\2020\201204_537ISO.PRO\MethDB\537ISO_Q_201027_TOP_RT.mdb 06 Nov 2020 07:37:19
Calibration: C:\MassLynx\Data\2020\201204_537ISO.PRO\CurveDB\201027_ISO_ICAL.cdb 28 Oct 2020 09:14:48

ID: WG1441174-3,537ILOW
Name: I33429
Date: 04-Dec-2020
Time: 19:31:04
Description: WG1441174,WG1440618,ICAL17286,537ILOW
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:JW
Inlet Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\200520_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4	2.16	212.926 > 169.111	1629		0.451		na	90.3
2	M3PFBA	INT STD	2.16	215.926 > 172.122	40834		13.903		na	139.0
3	MPFBA	INT STD	2.16	216.926 > 172.137	47170		9.554		na	95.5
4	PFPeA	2706-90-3	4.98	262.926 > 219.002	2428		0.500		na	99.9
5	M5PFPEA	INT STD	4.98	267.989 > 223.081	67891		10.680		na	106.8
6	PFBS	375-73-5	5.62	298.926 > 79.923	461	m7	0.397	2.00	NO	89.8
7	M3PFBS	INT STD	5.61	301.989 > 80.254	10984		9.481		na	94.8
8	4:2FTS	757124-72-4	6.76	326.926 > 306.957	134	m7	0.432	2.04	NO	92.3
9	M2-4:2FTS	INT STD	6.76	329.117 > 309.079	4960		11.684		na	116.8
10	PFHxA	307-24-4	6.84	312.989 > 269.028	2966		0.501	14.17	NO	100.2
11	M5PFHxA	INT STD	6.84	317.989 > 273.045	64917		10.131		na	101.3
12	PFPeS	2706-91-4	7.16	348.926 > 80.251	400		0.402	2.50	NO	85.6
13	PFHpA	375-85-9	8.11	362.926 > 319.014	3816		0.467	5.45	NO	93.3
14	M4PFHpA	INT STD	8.11	366.926 > 321.979	84675		10.531		na	105.3
15	br-PFHxS	355-46-4	8.04	398.926 > 80.295	54	m5,m7	0.064	1.76	NO	75.5
16	L-PFHxS	355-46-4	8.27	398.926 > 80.295	375	m7	0.348	1.59	NO	94.0
17	PFHxS	355-46-4		398.926 > 80.295	428		0.412		na	
18	M3PFHxS	INT STD	8.27	401.926 > 80.317	10368		10.111		na	101.1
19	br-PFOA	335-67-1		412.989 > 368.9			ND		YES	
20	L-PFOA	335-67-1	9.05	412.989 > 368.9	4361	m4	0.502	9.38	YES	100.3
21	M2PFOA	INT STD	9.05	415.032 > 369.968	98649		15.796		na	158.0
22	PFOA	335-67-1		412.989 > 368.9	4361		0.502		na	
23	M8PFOA	INT STD	9.05	420.989 > 375.979	104059		9.606		na	96.1
24	6:2FTS	27619-97-2	9.02	427.161 > 407.155	159		0.395		YES	83.2
25	M2-6:2FTS	INT STD	9.01	429.146 > 409.14	5025		10.833		na	108.3
26	PFHpS	375-92-8	9.15	448.926 > 80.257	322		0.427	1.11	NO	89.8
27	PFNA	375-95-1	9.82	462.989 > 418.931	3621		0.475	3.53	NO	95.0
28	M9PFNA	INT STD	9.81	472.053 > 426.947	40810		9.838		na	98.4
29	br-PFOS	1763-23-1	9.68	498.989 > 80.294	83	m5,m7	0.071	4.94	YES	70.7
30	L-PFOS	1763-23-1	9.87	498.989 > 80.294	361		0.366	2.30	NO	100.3
31	PFOS	1763-23-1		498.989 > 80.294	444		0.437		na	
32	M4PFOS	INT STD	9.87	503.032 > 80.306	9467		12.672		na	126.7
33	M8PFOS	INT STD	9.87	507.053 > 80.294	10830		9.156		na	91.6
34	PFDA	335-76-2	10.44	513.053 > 468.906	3316	m4	0.490	6.29	NO	98.1
35	M2PFDA	INT STD	10.44	515.053 > 469.934	76597		17.634		na	176.3
36	M6PFDA	INT STD	10.44	519.053 > 473.931	78842		9.412		na	94.1
37	8:2FTS	39108-34-4	10.44	527.177 > 507.171	121		0.500		YES	104.2
38	M2-8:2FTS	INT STD	10.44	529.162 > 509.155	4137		12.805		na	128.1
39	PFNS	68259-12-1	10.48	548.989 > 80.249	366		0.427	1.34	NO	89.0

all concentration units in (ng/mL)

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Name: I33429
Date: 04-Dec-2020
Time: 19:31:04
Description: WG1441174,WG1440618,ICAL17286,537ILOW
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:JW
Inlet Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\200520_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.82	573.22 > 419.061	8505		9.740		na	97.4
41	br-NMeFOSAA		10.67	570.202 > 419.061	14	m7	0.044	2.75	NO	36.8
42	L-NMeFOSAA		10.83	570.202 > 419.061	190		0.244	2.19	YES	64.2
43	NMeFOSAA	2355-31-9		570.202 > 419.061	204		0.288		na	
44	PFUnA	2058-94-8	10.98	562.989 > 518.903	3251		0.463	8.40	NO	92.6
45	M7-PFUDA	INT STD	10.98	570.053 > 524.923	75319		10.521		na	105.2
46	PFDS	335-77-3	11.00	598.926 > 80.314	452		0.542	1.54	NO	112.3
47	FOSA	754-91-6	10.89	498.146 > 78.07	1281	m7	0.407	127.30	NO	81.4
48	M8FOSA	INT STD	10.89	506.077 > 78.07	36093		6.514		na	65.1
49	br-NEtFOSAA		10.97	584.229 > 419.061	11	m5	0.057		YES	50.2
50	L-NEtFOSAA		11.12	584.229 > 419.061	155		0.316		YES	81.4
51	NEtFOSAA	2991-50-6		584.229 > 419.061	166		0.372		na	
52	d5-NEtFOSAA	INT STD	11.11	589.259 > 419.061	6082		8.734		na	87.3
53	PFDoA	307-55-1	11.45	612.989 > 568.967	4012		0.504	10.55	NO	100.7
54	MPFDOA	INT STD	11.45	614.989 > 569.92	80690		10.034		na	100.3
55	PFTrDA	72629-94-8	11.87	663.053 > 618.969	4373		0.524	10.01	NO	104.8
56	PFTA	376-06-7	12.23	713.053 > 668.976	3135		0.512	8.42	NO	102.4
57	M2PFTEDA	INT STD	12.23	715.094 > 670.092	32131		8.136		na	81.4

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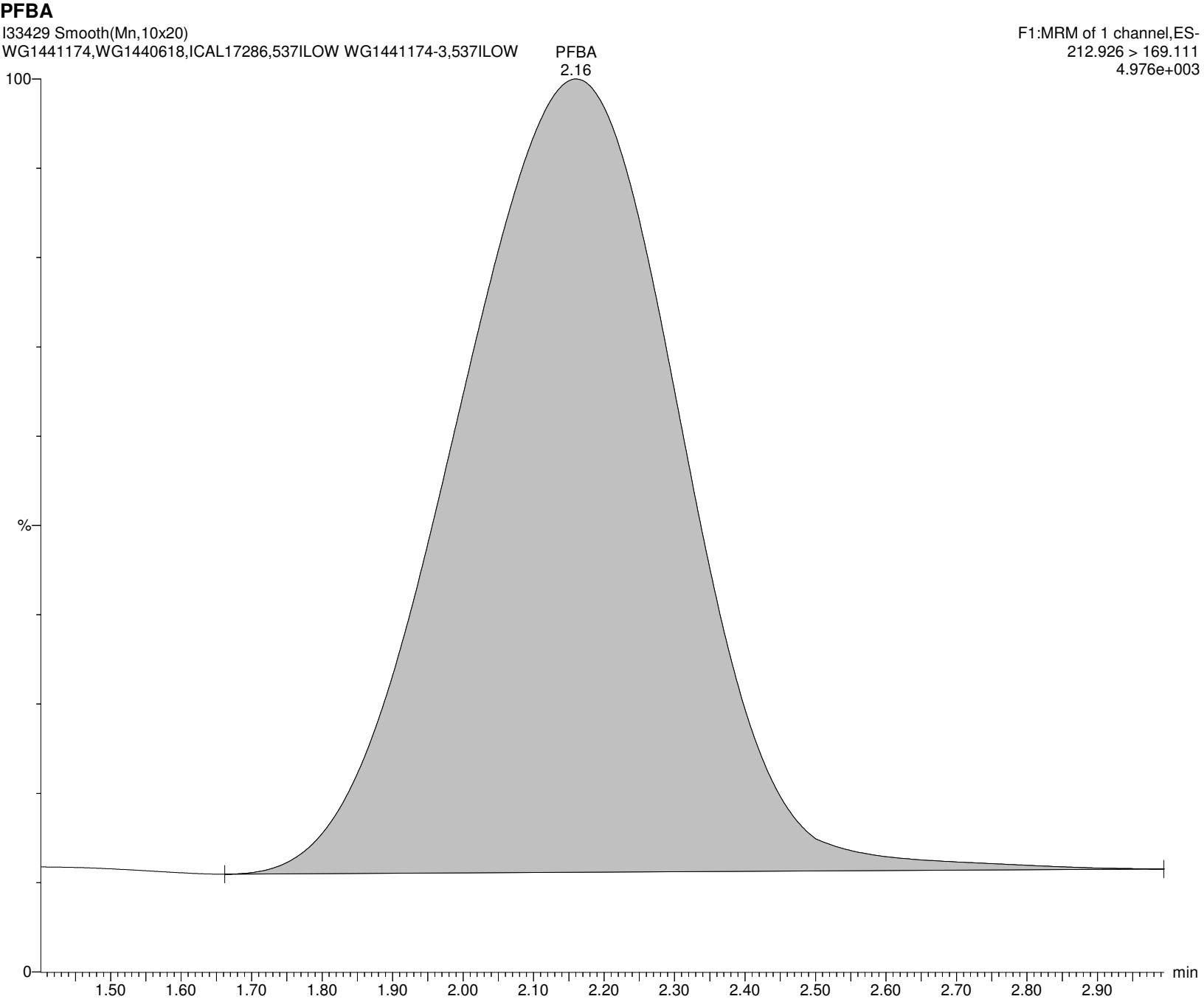

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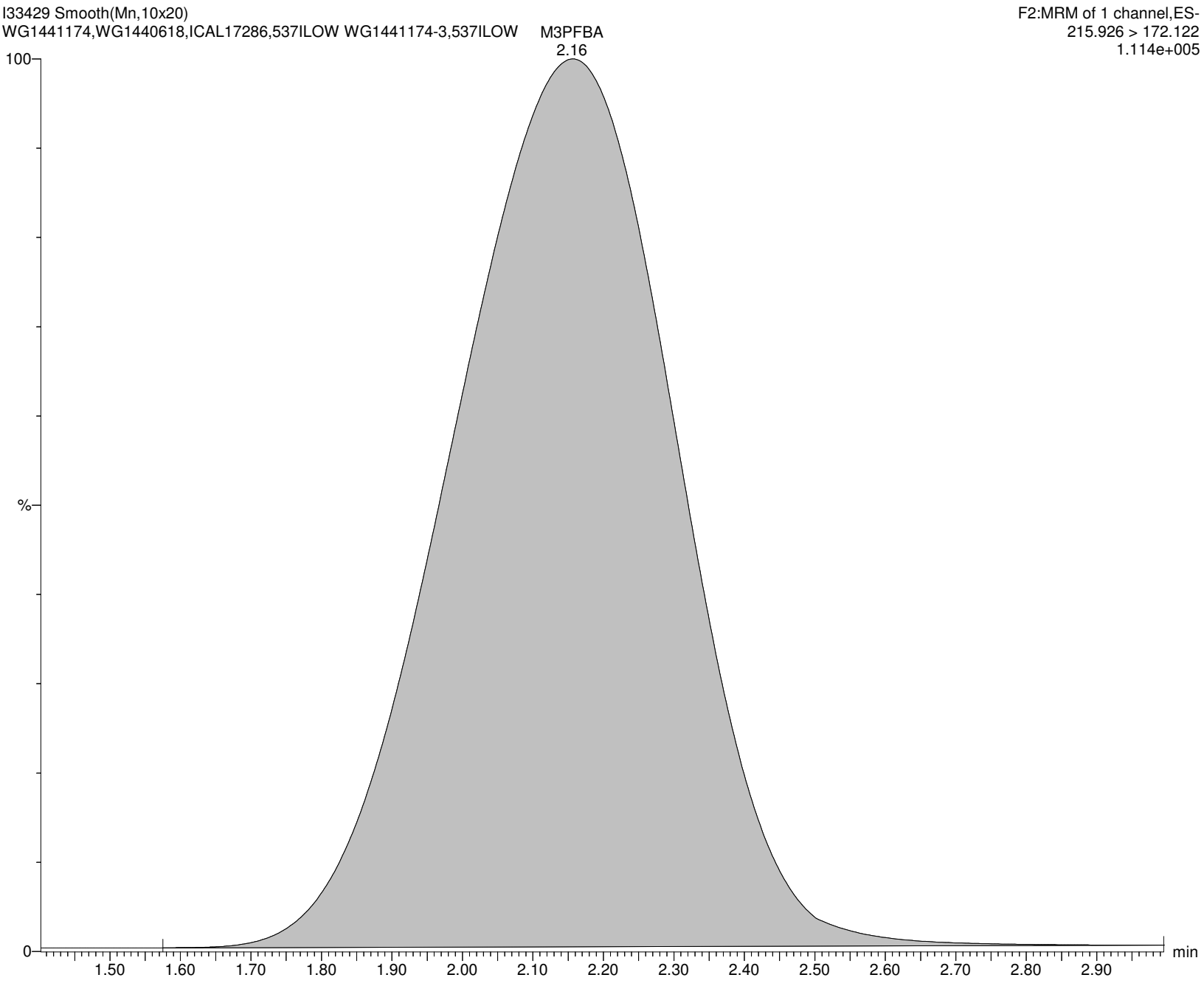

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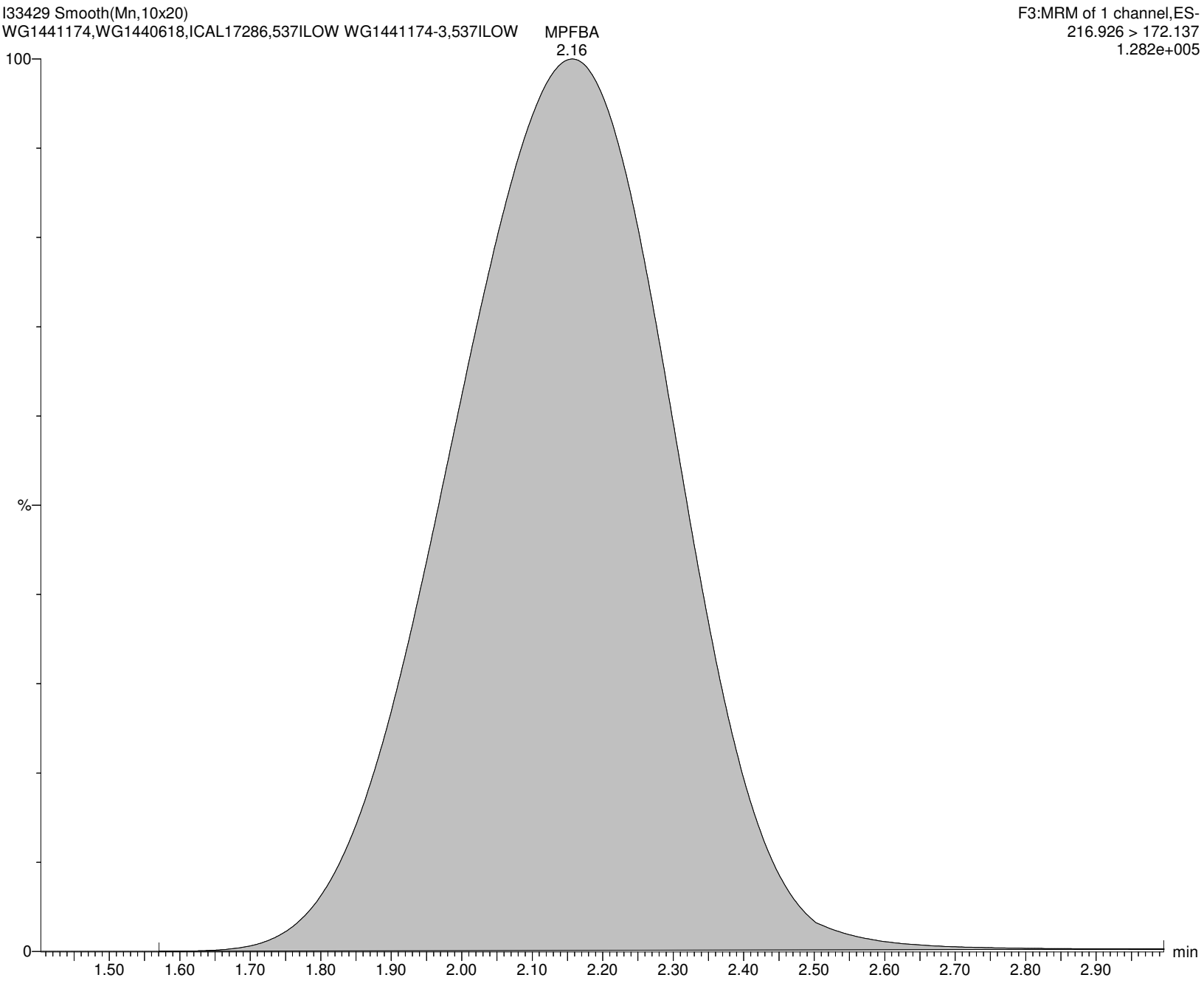

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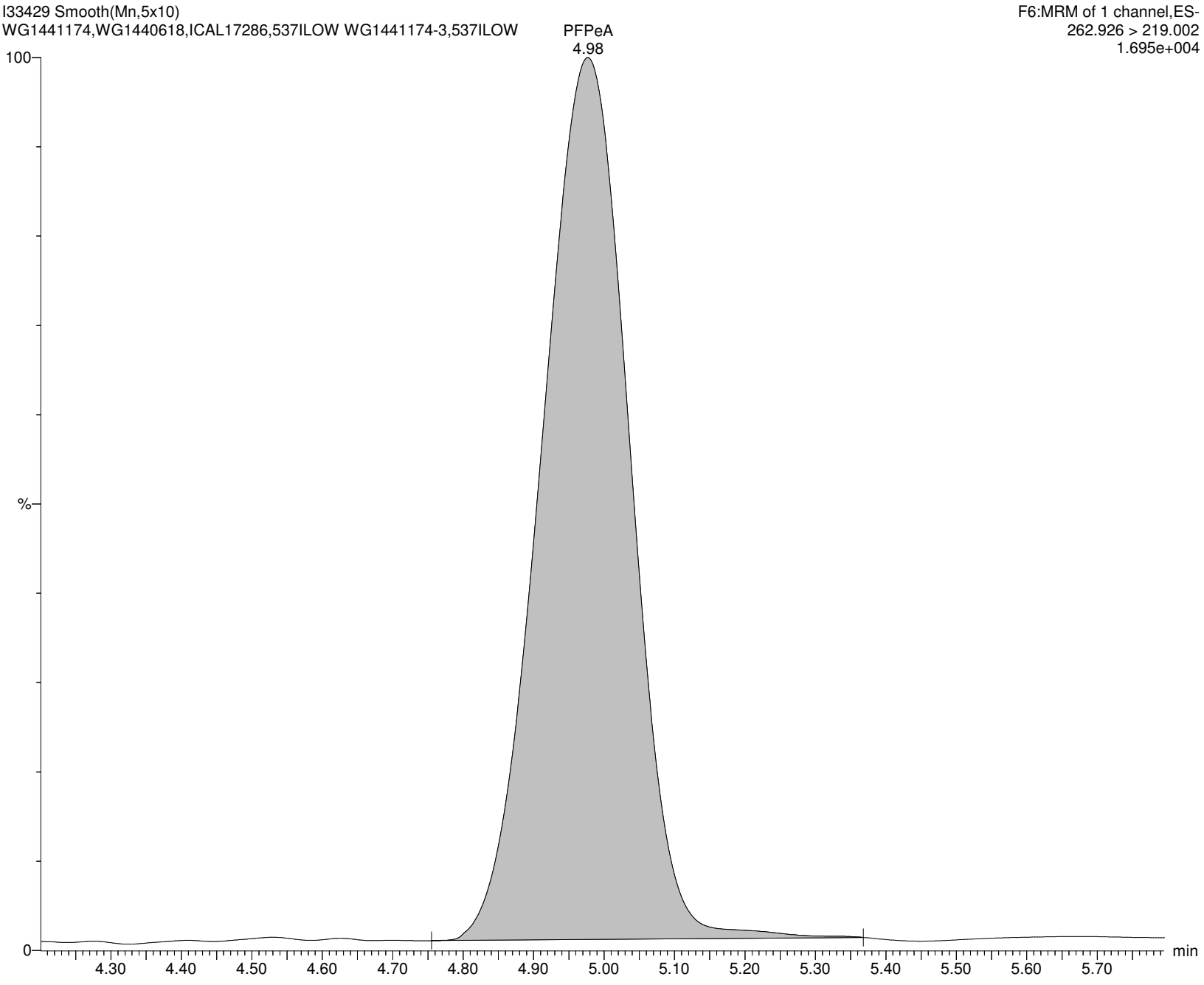

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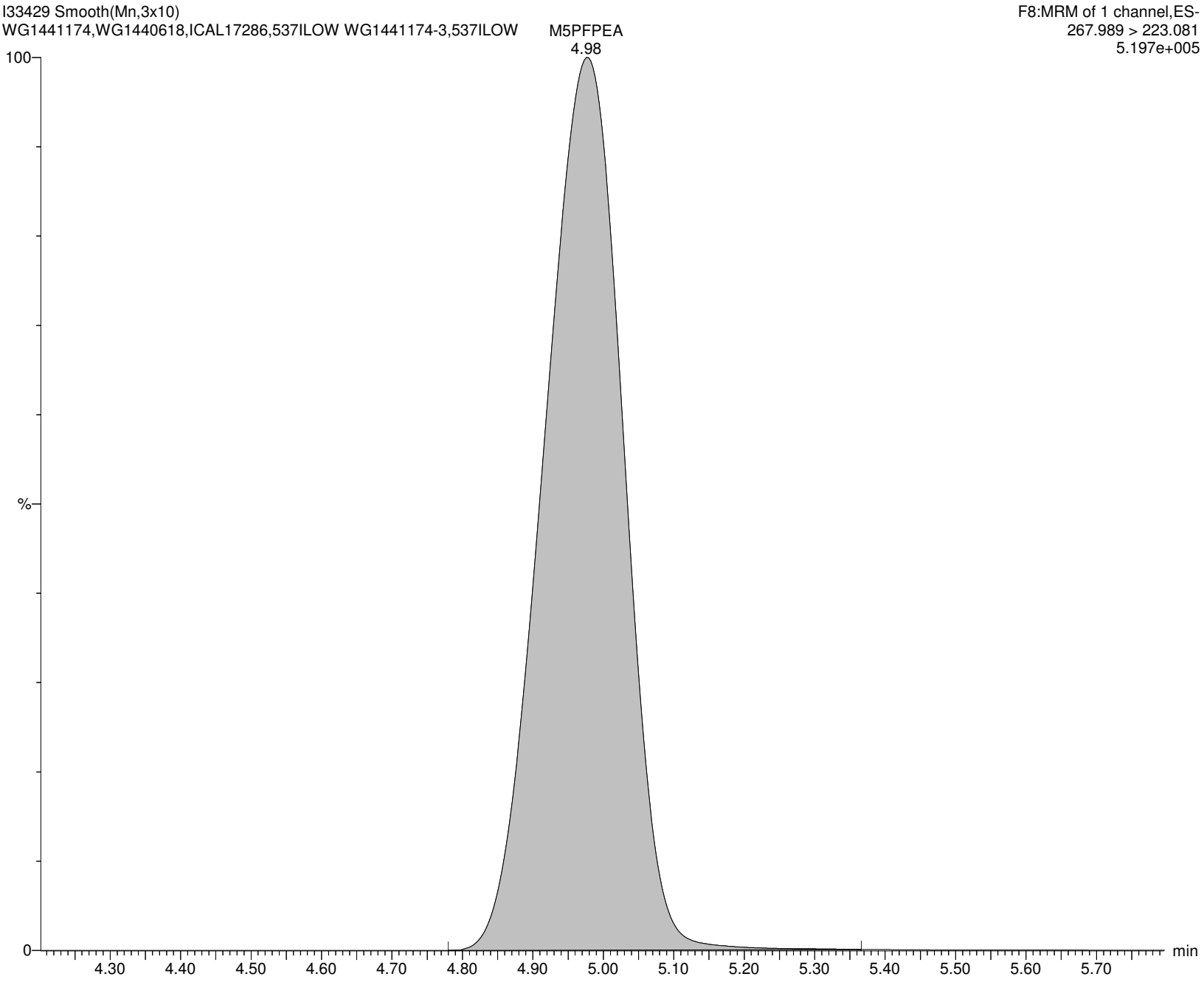

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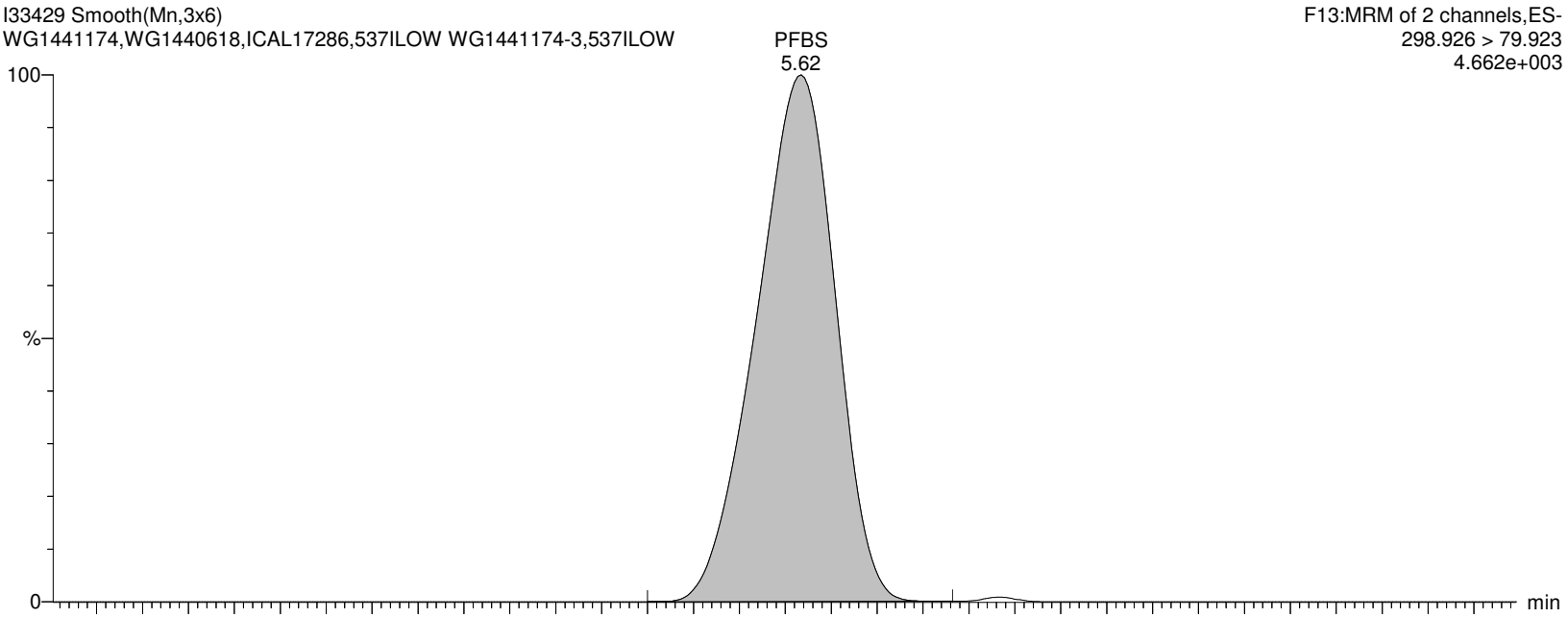

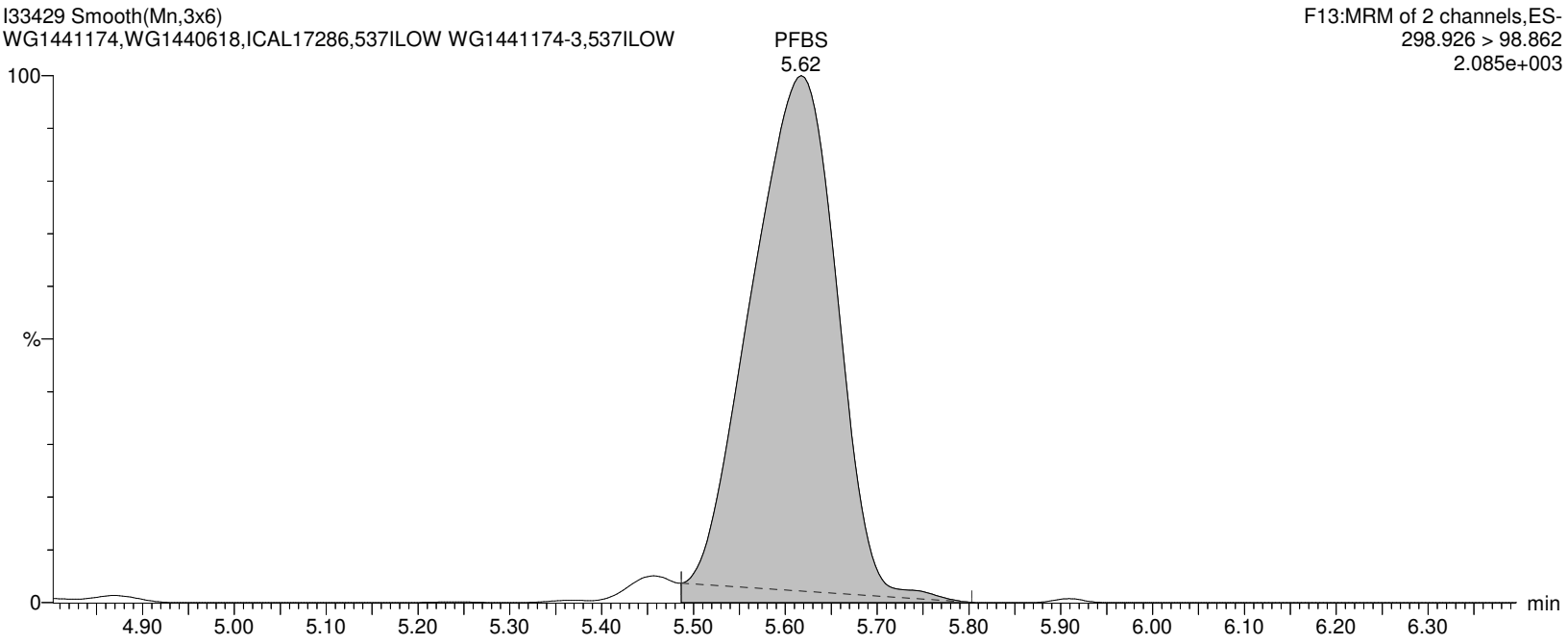

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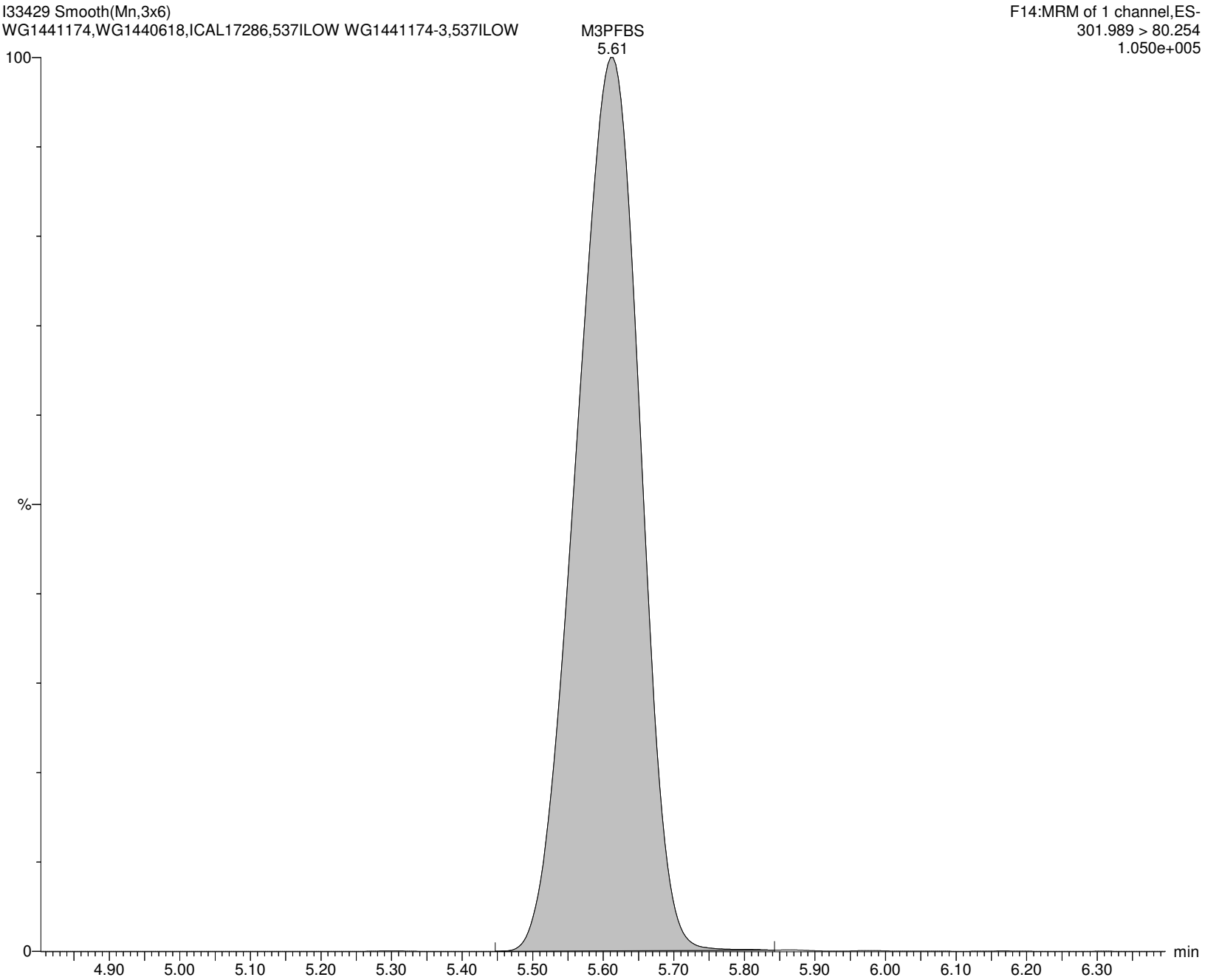

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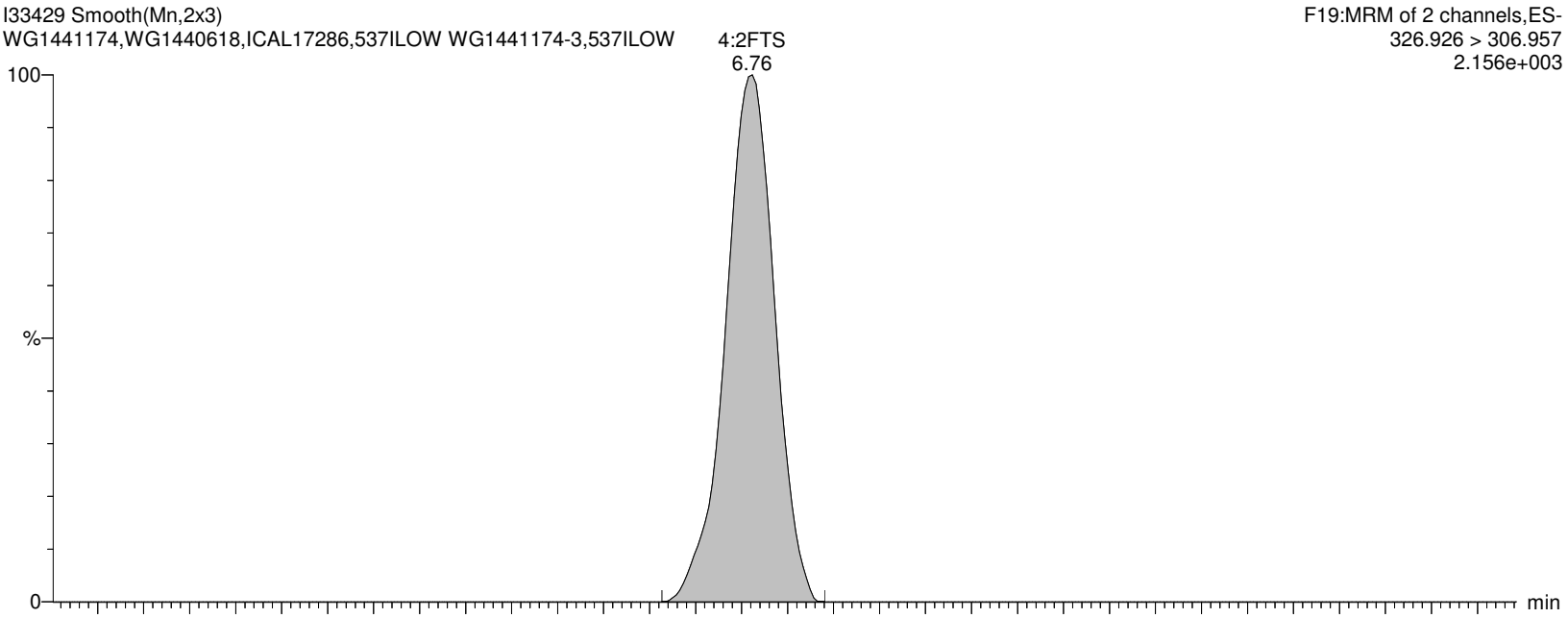
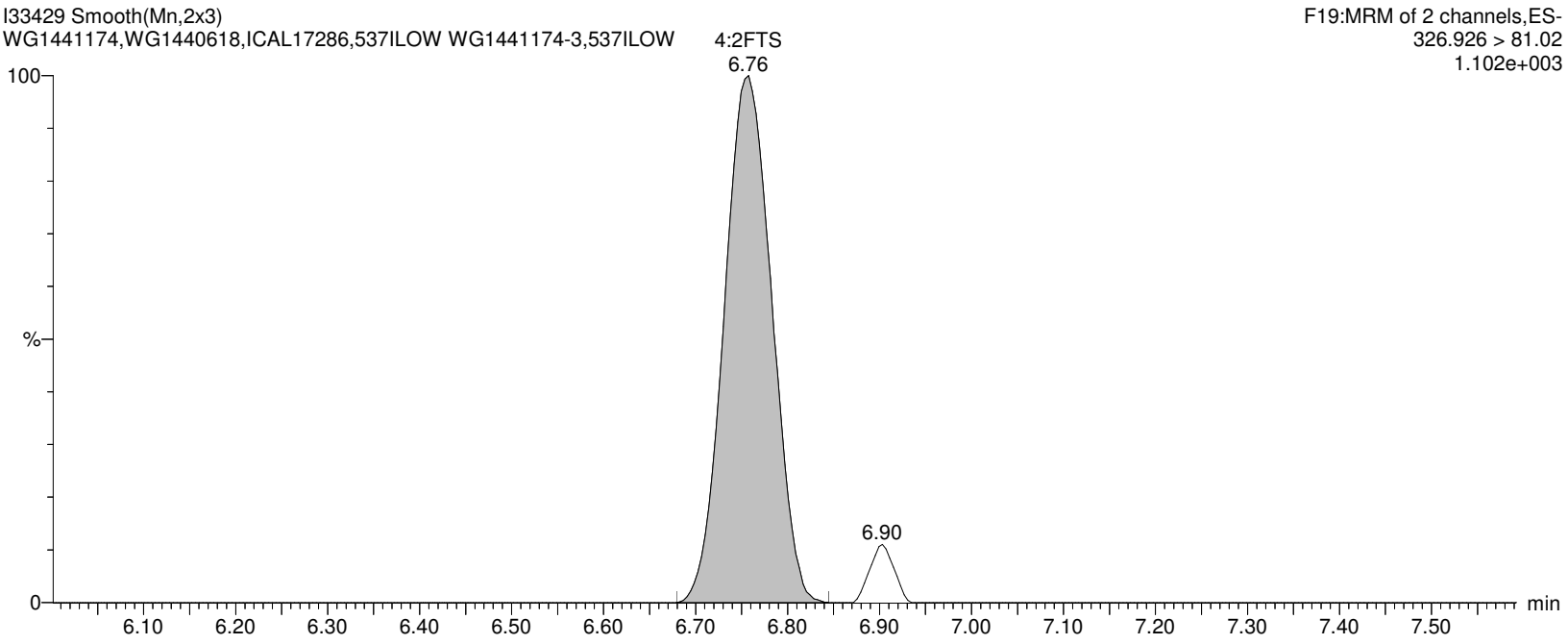
4:2FTS





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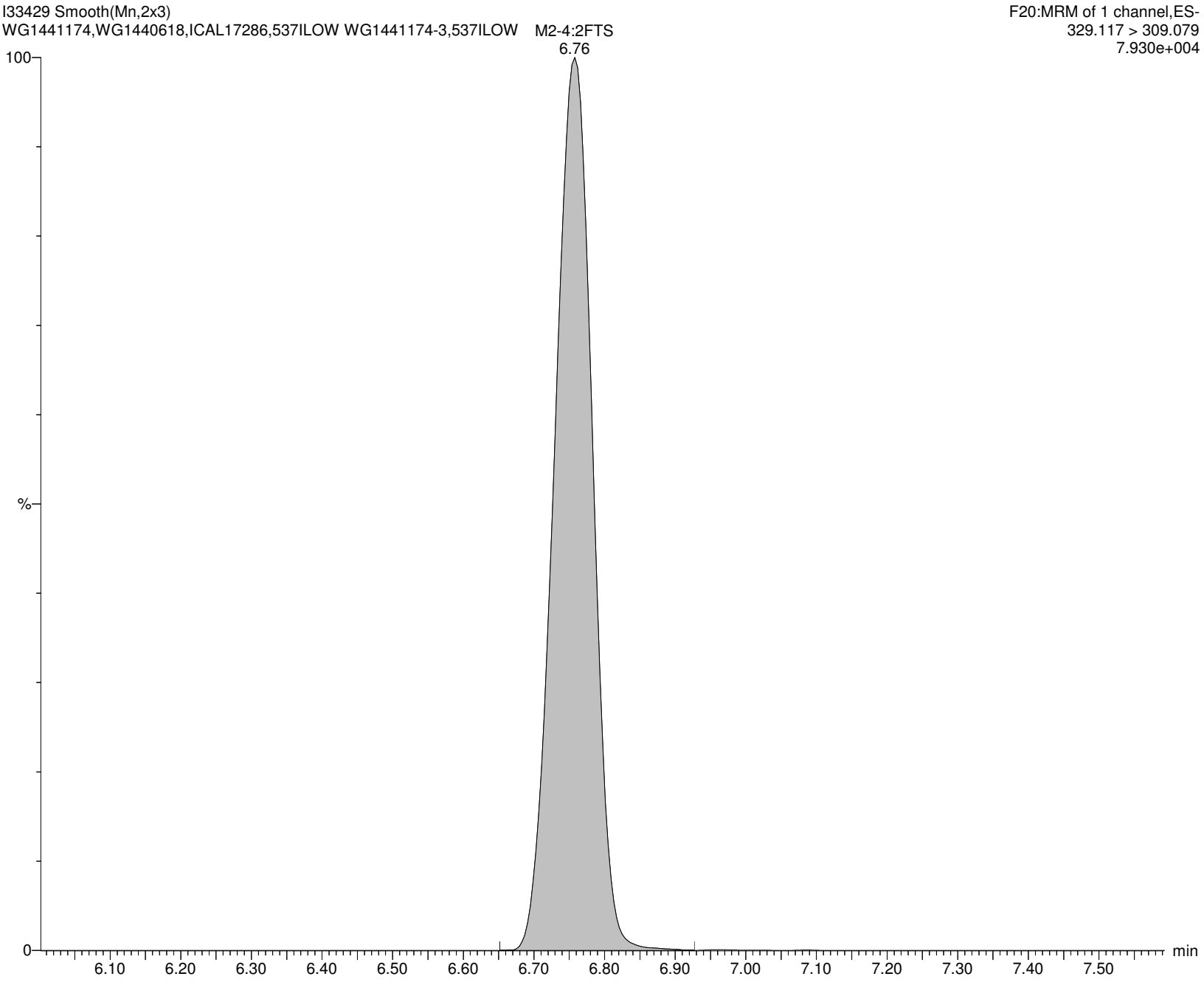

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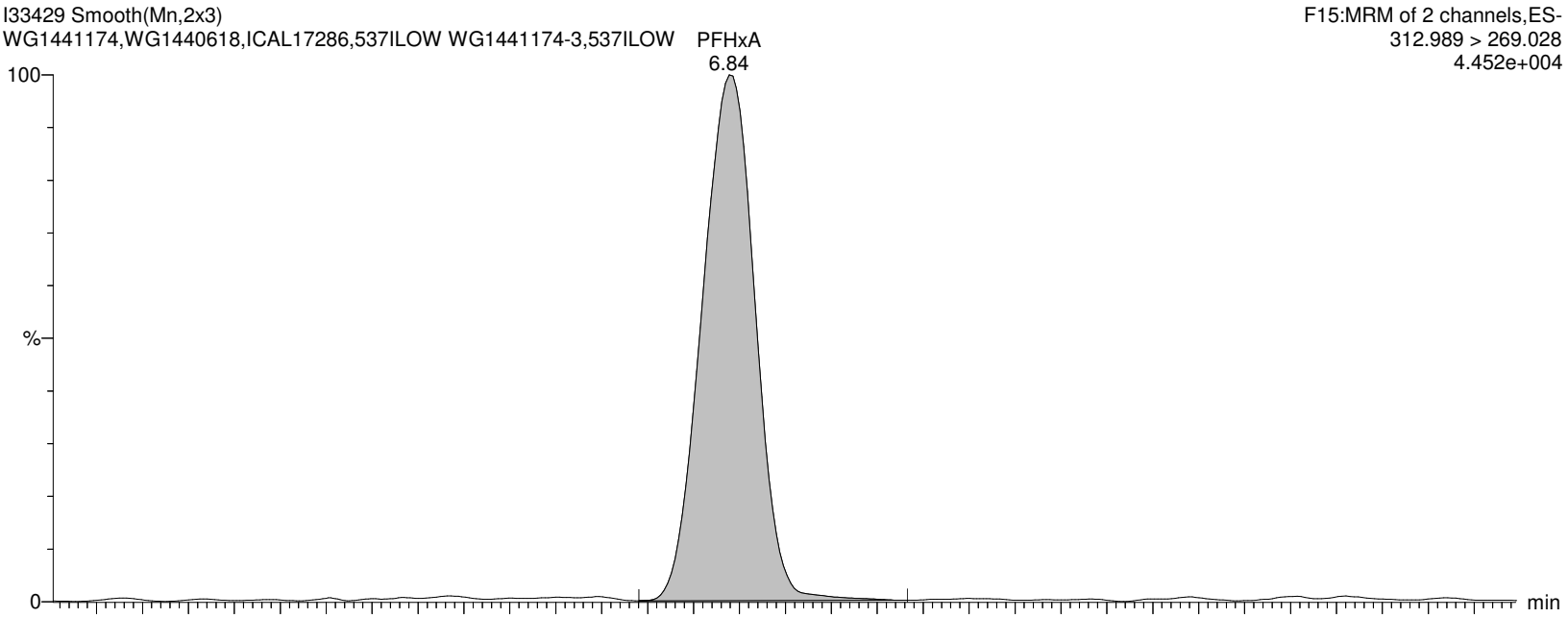

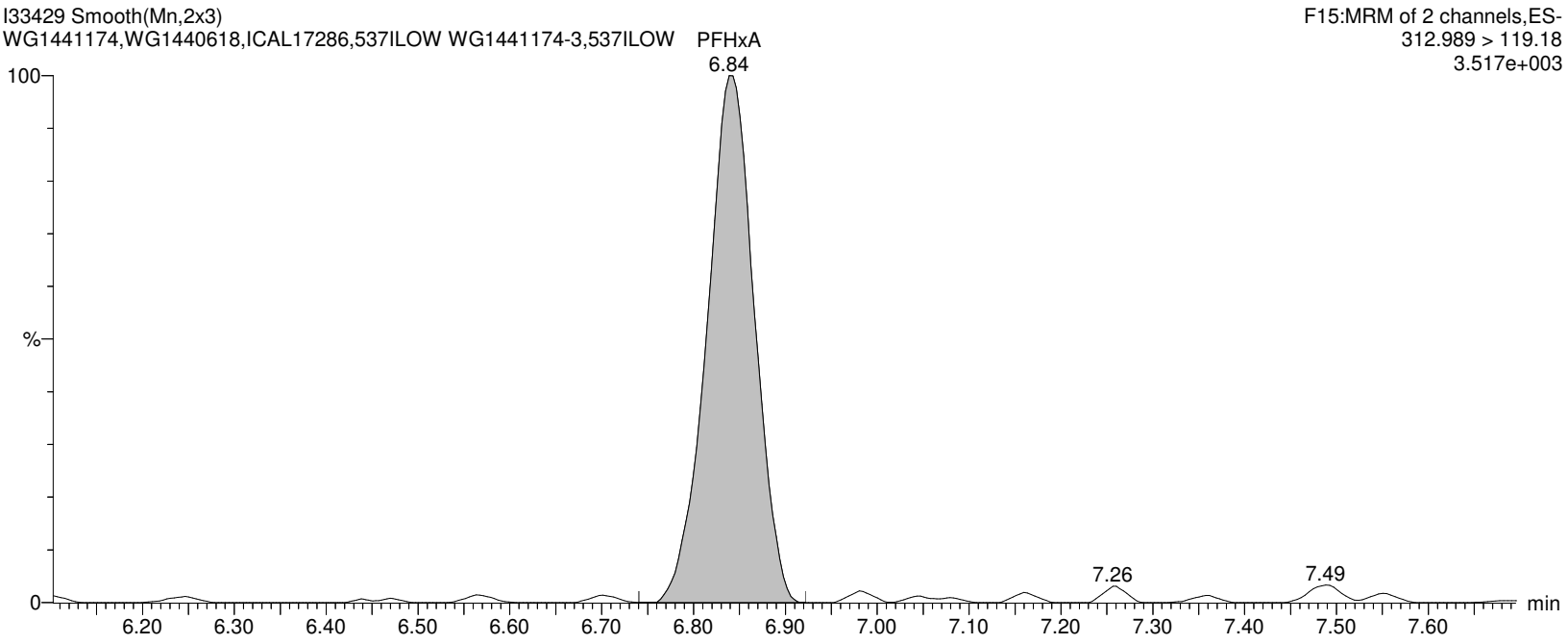

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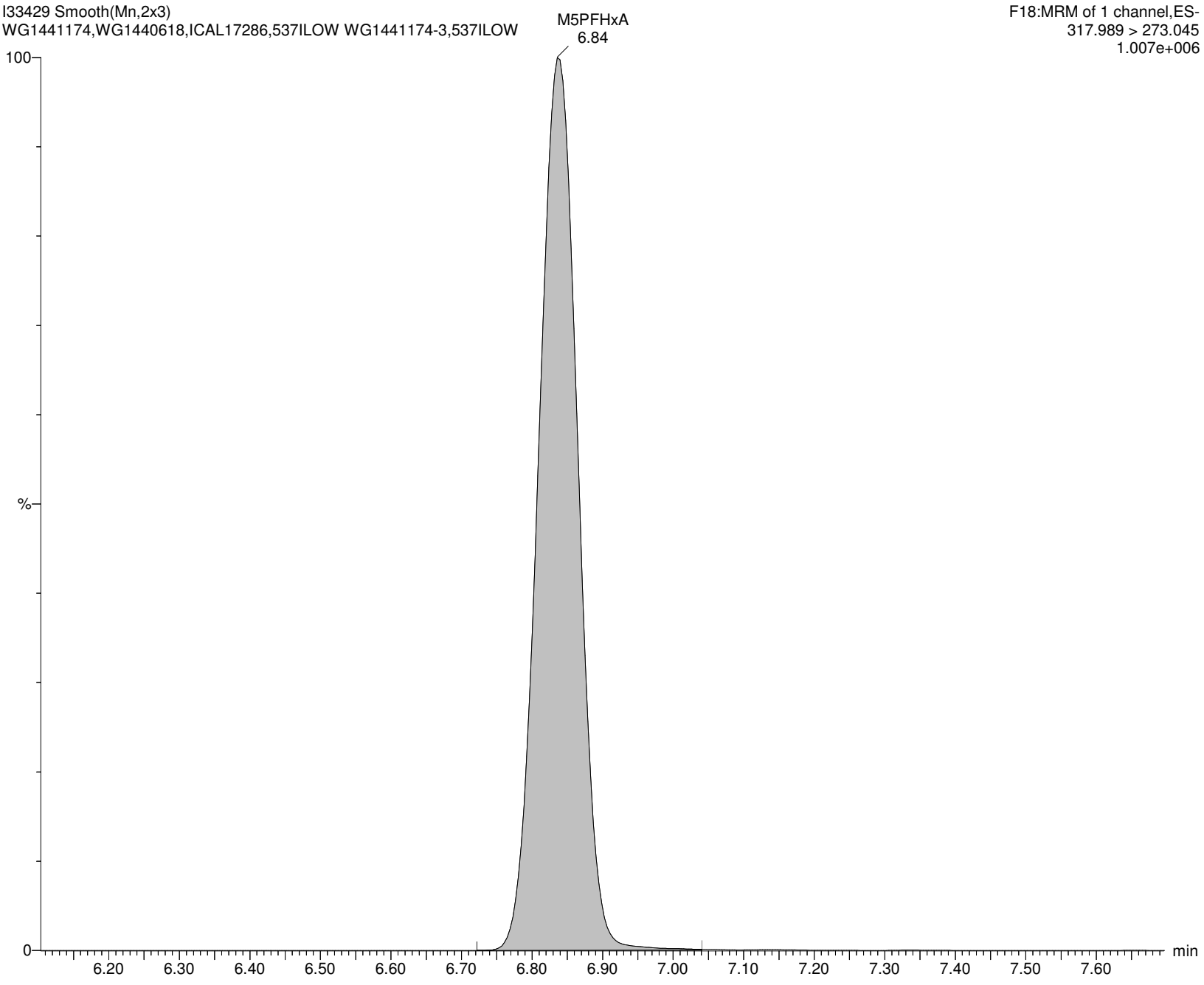

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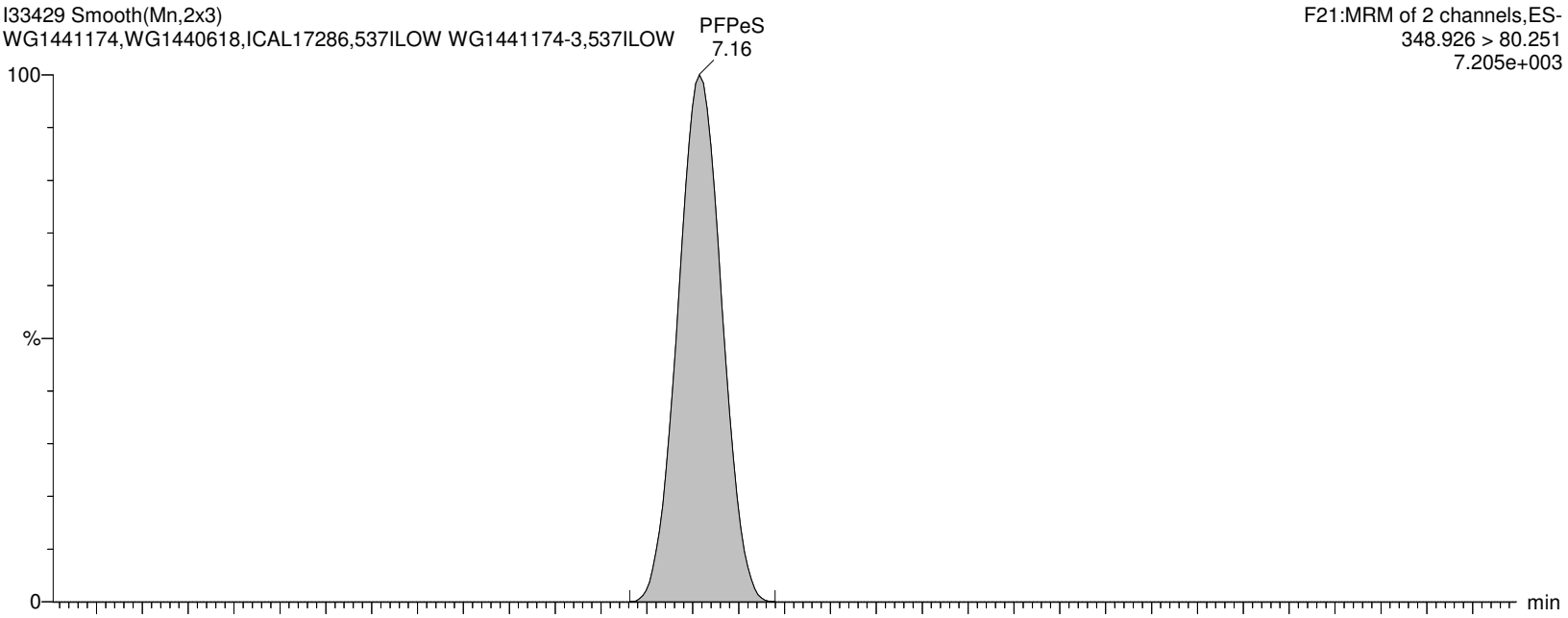

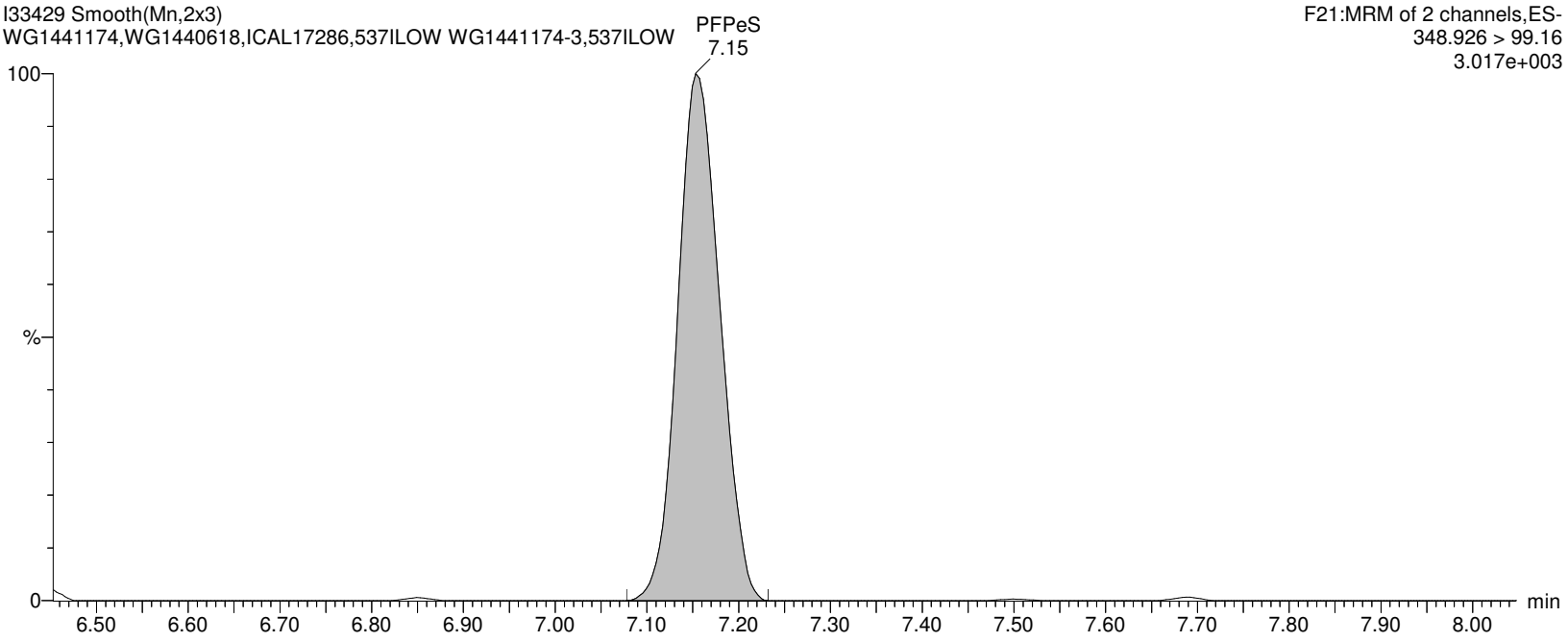

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Name: I33429
ID: WG1441174-3,537ILOW
Date: 04-Dec-2020
Time: 19:31:04
Description: WG1441174,WG1440618,ICAL17286,537ILOW
User: LCMS02:JW
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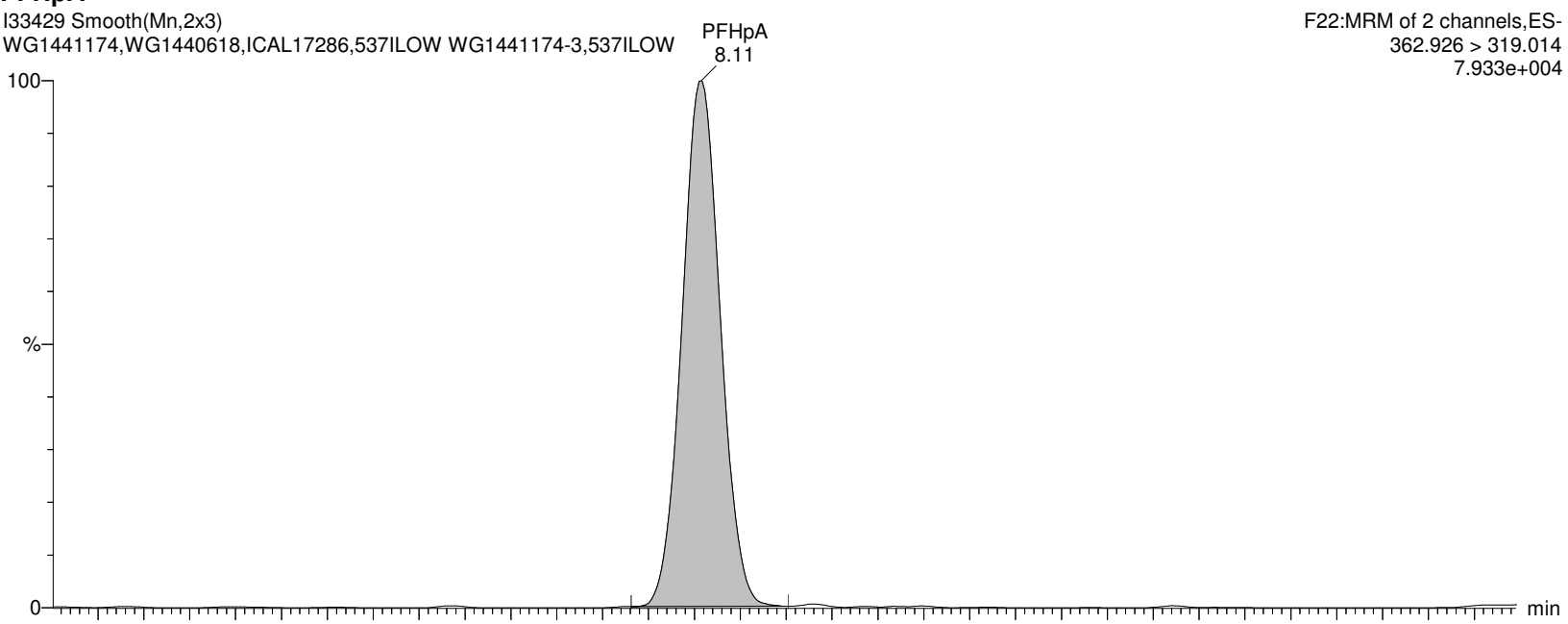

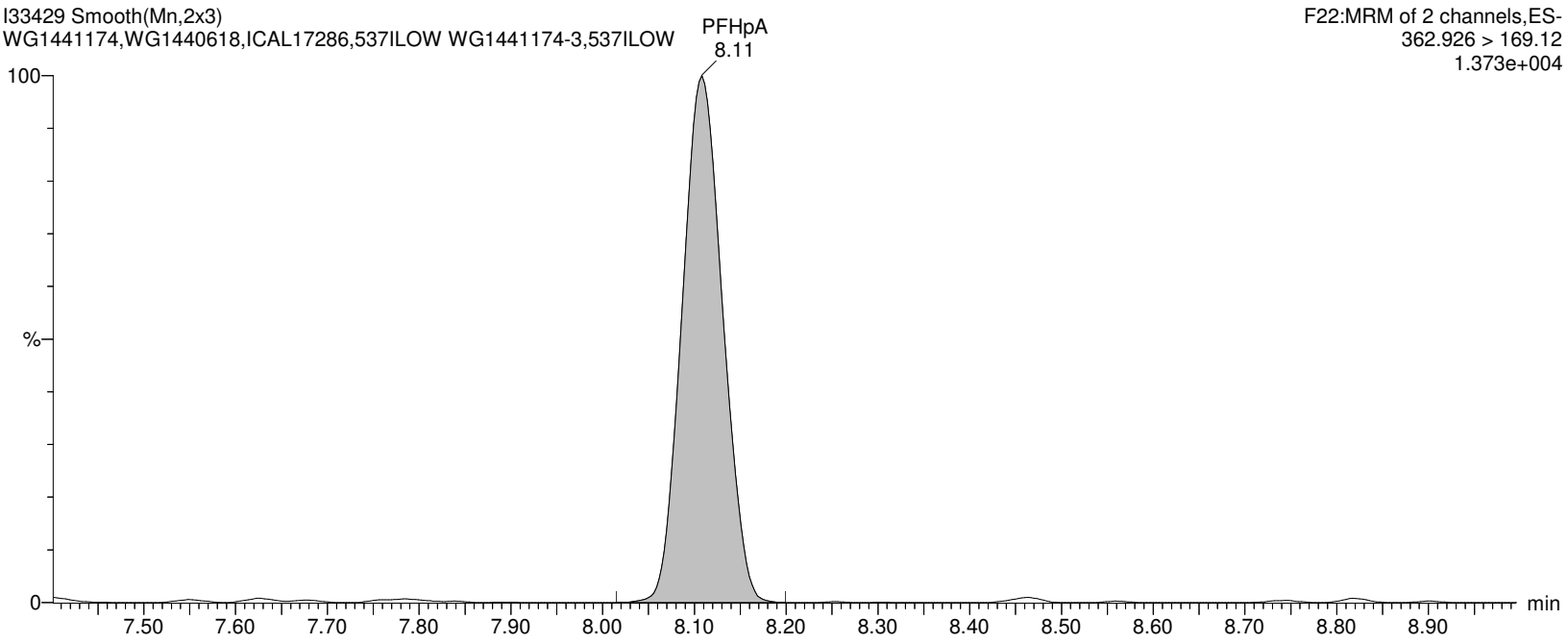

all concentration units in (ng/mL)

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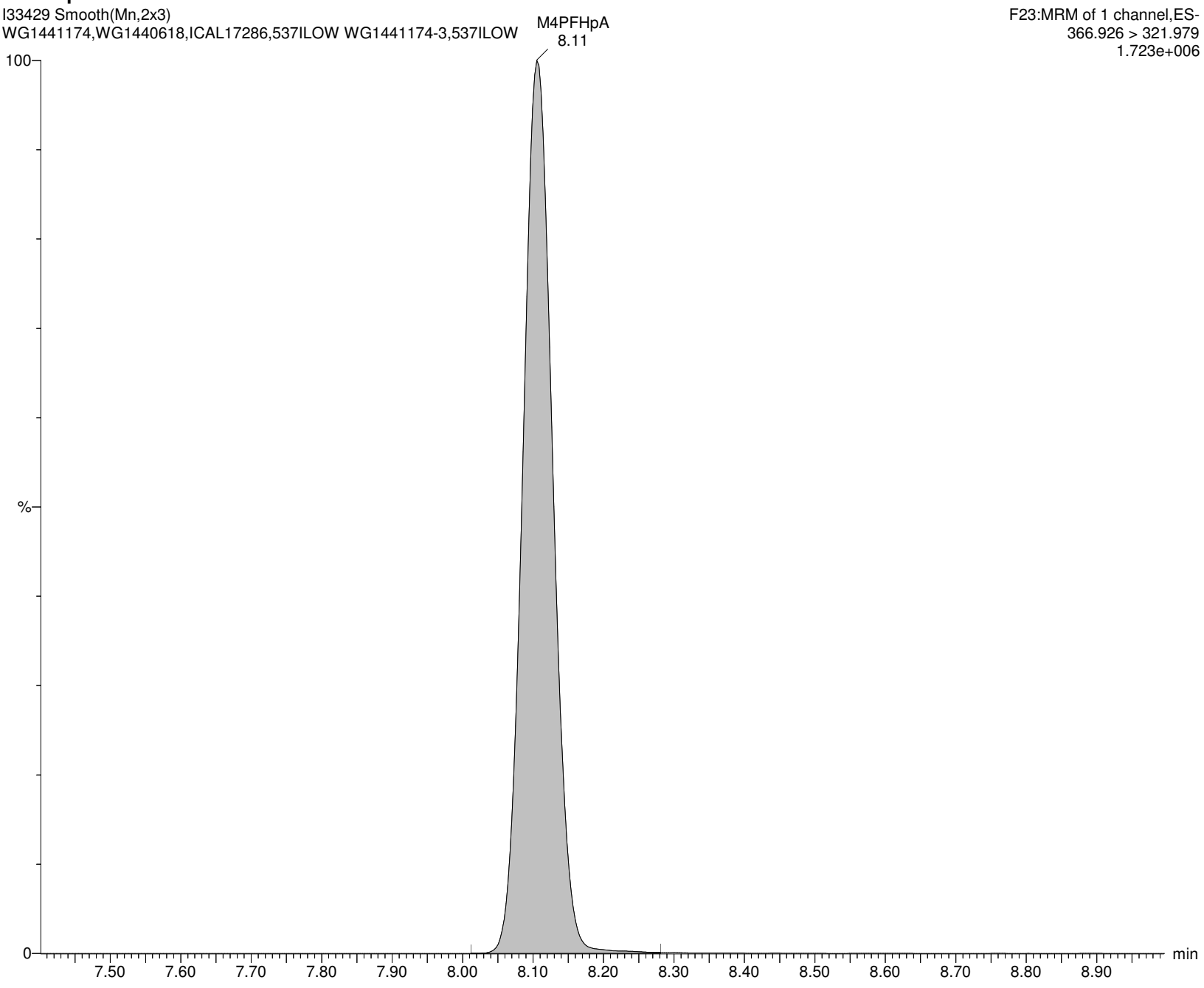

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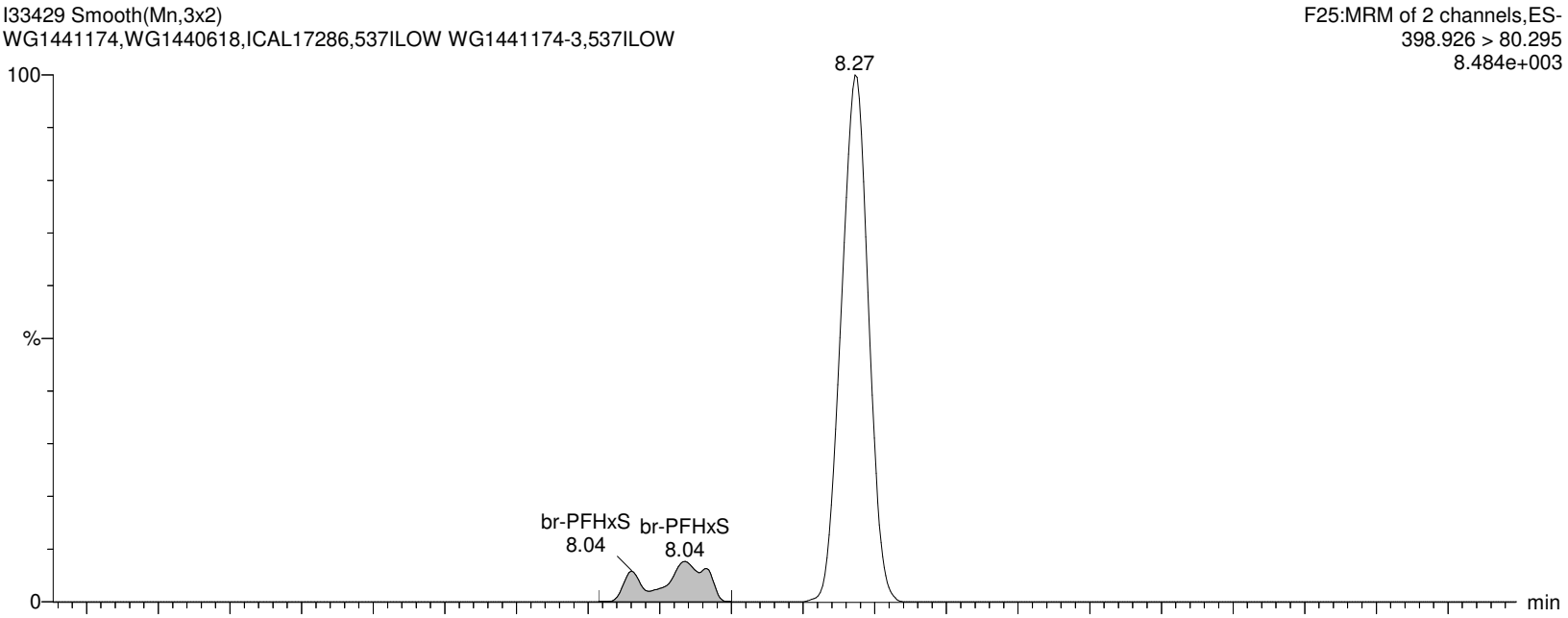

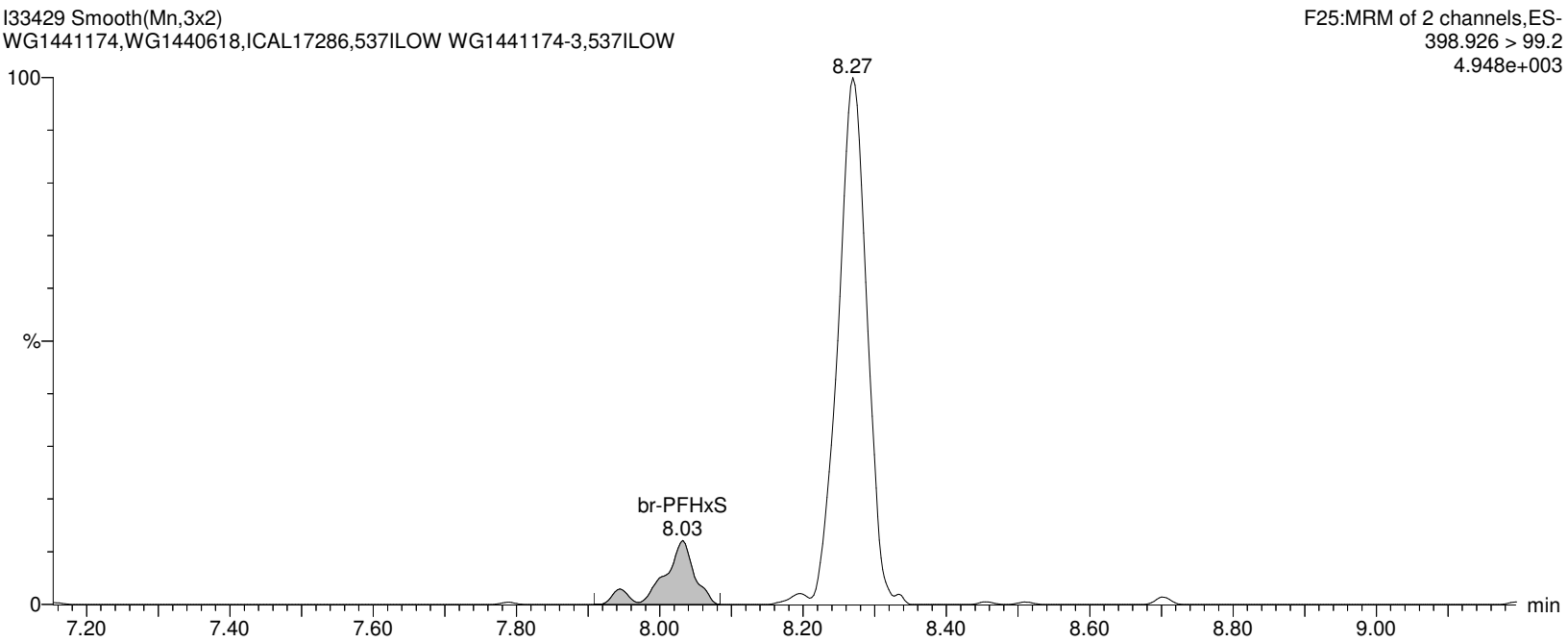

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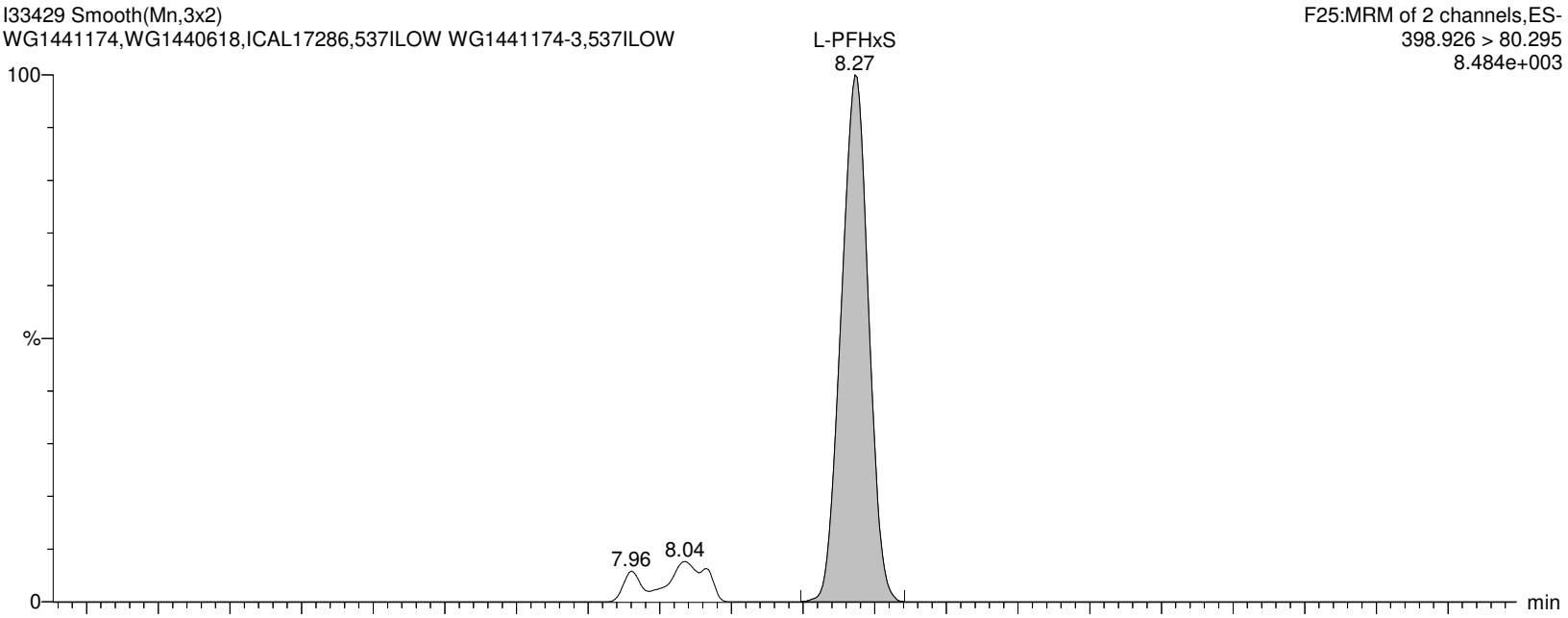

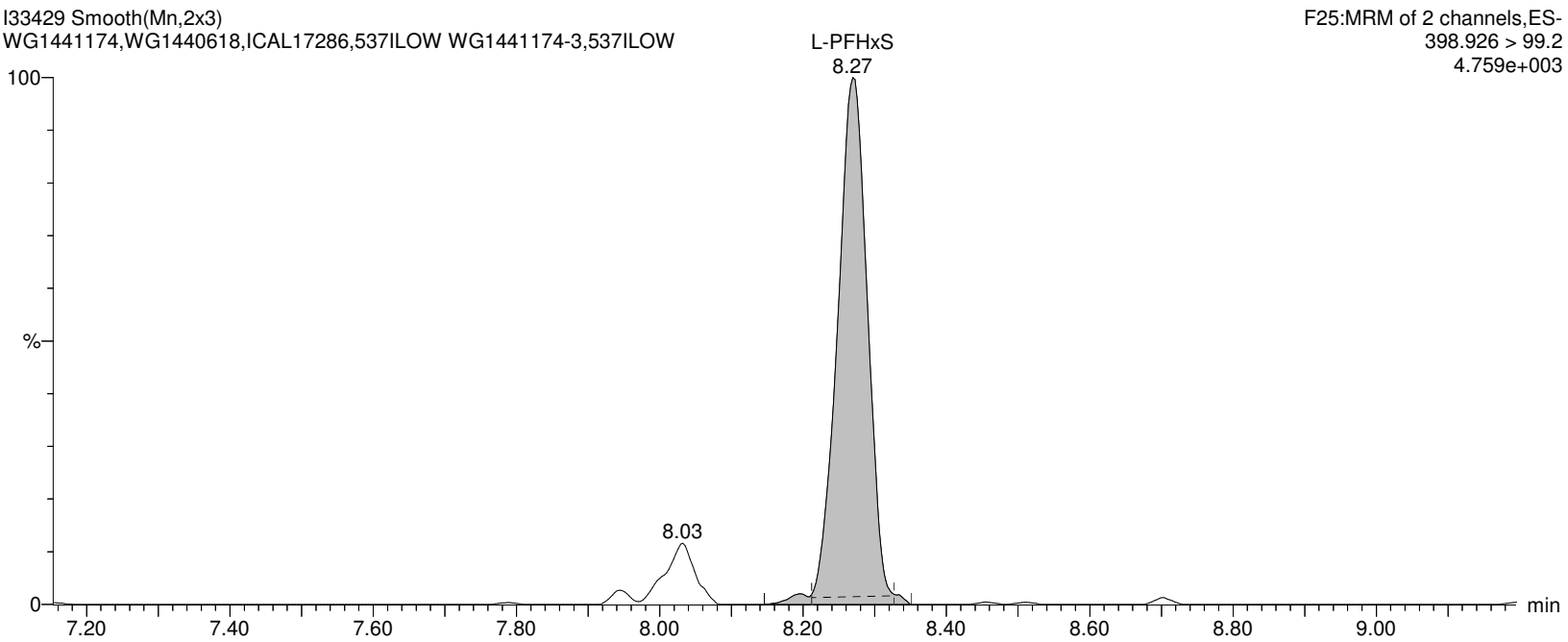

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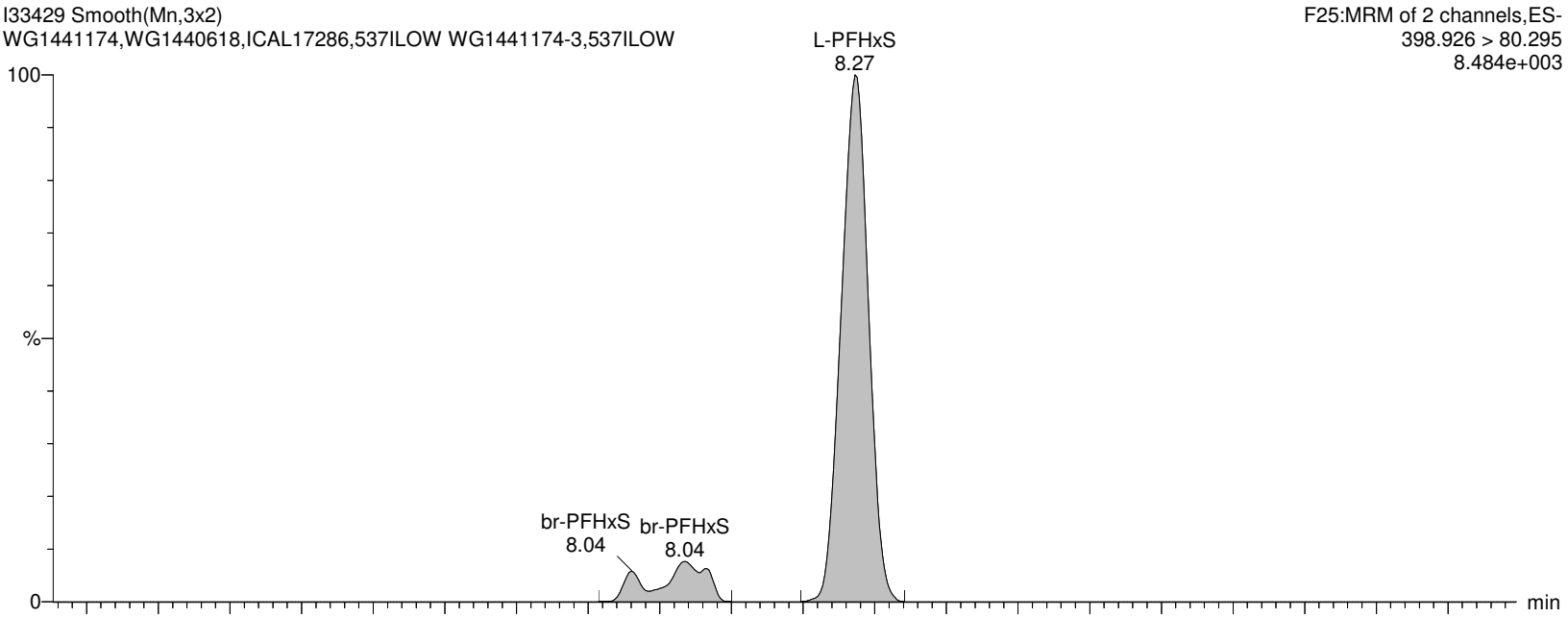

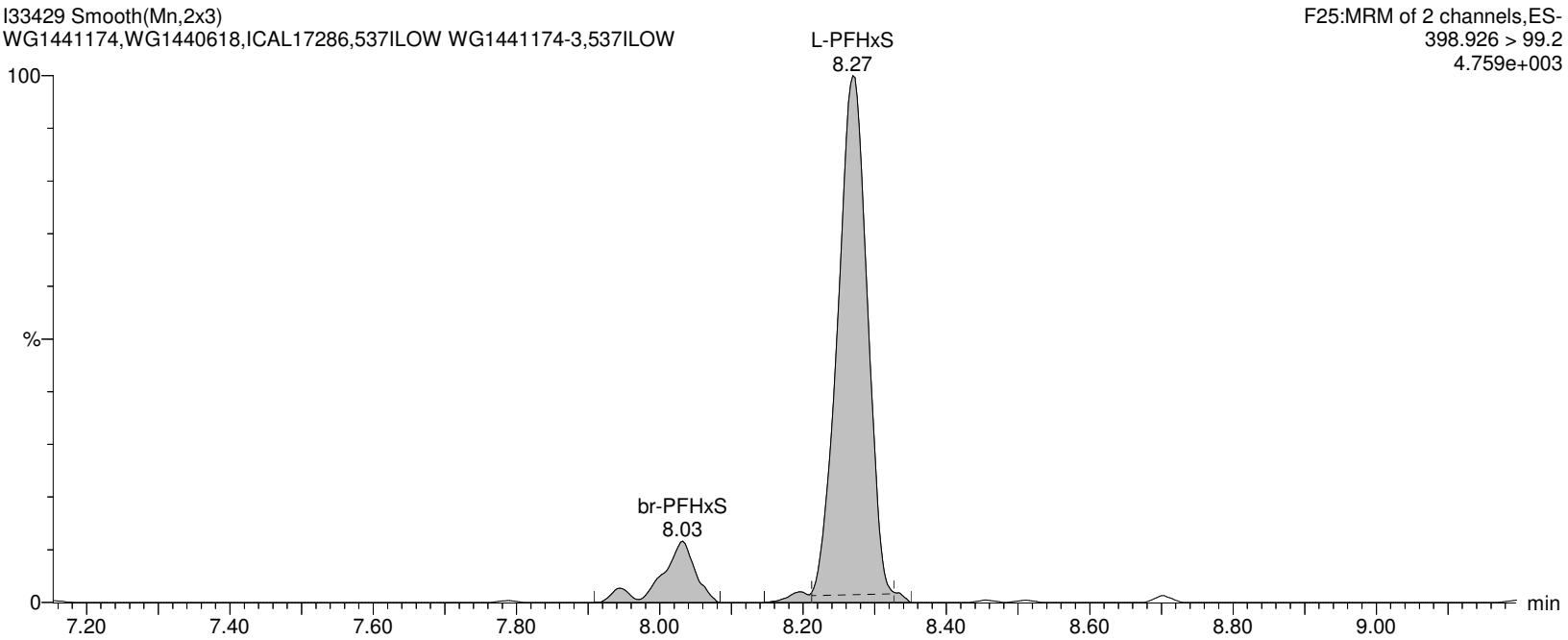

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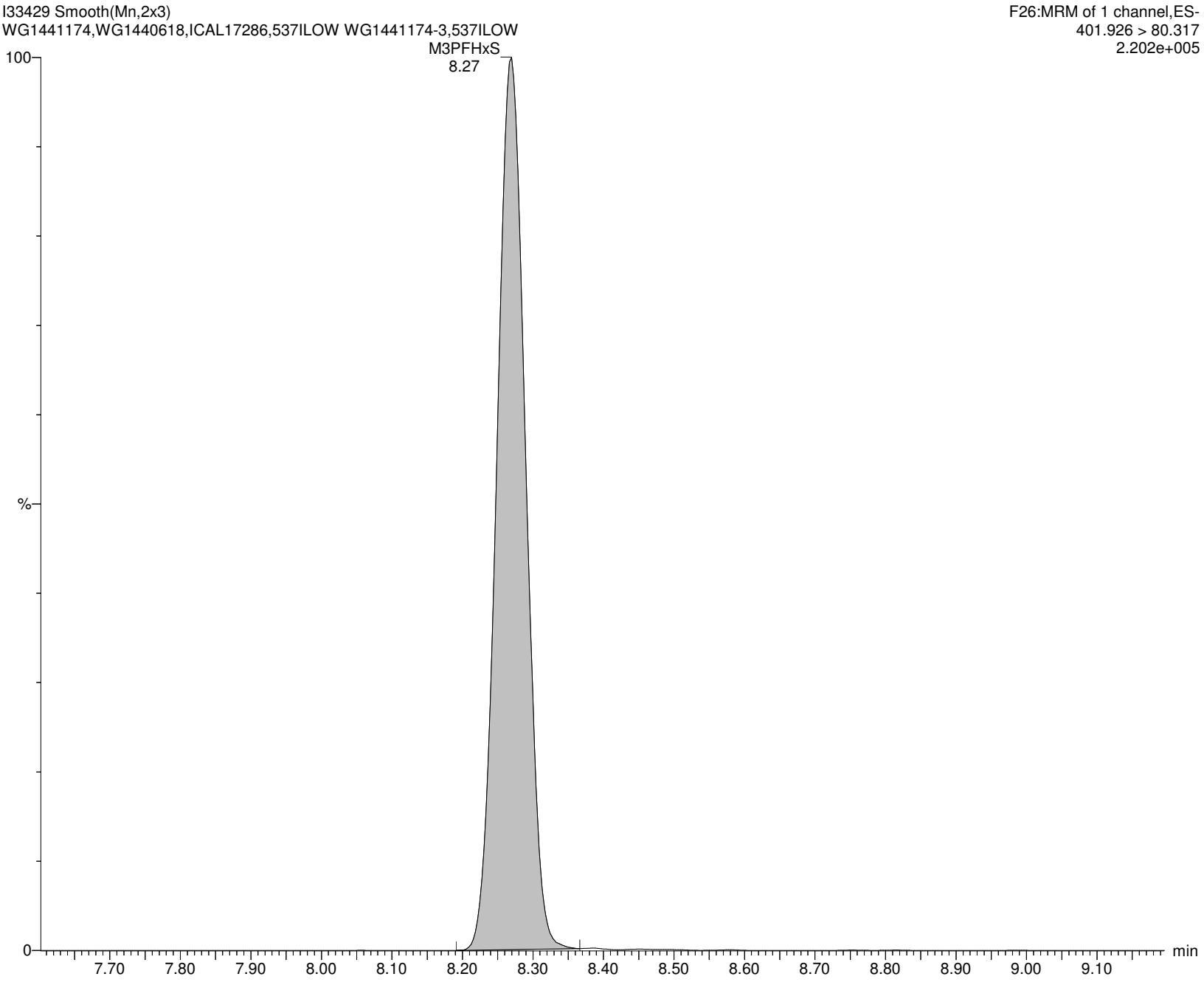

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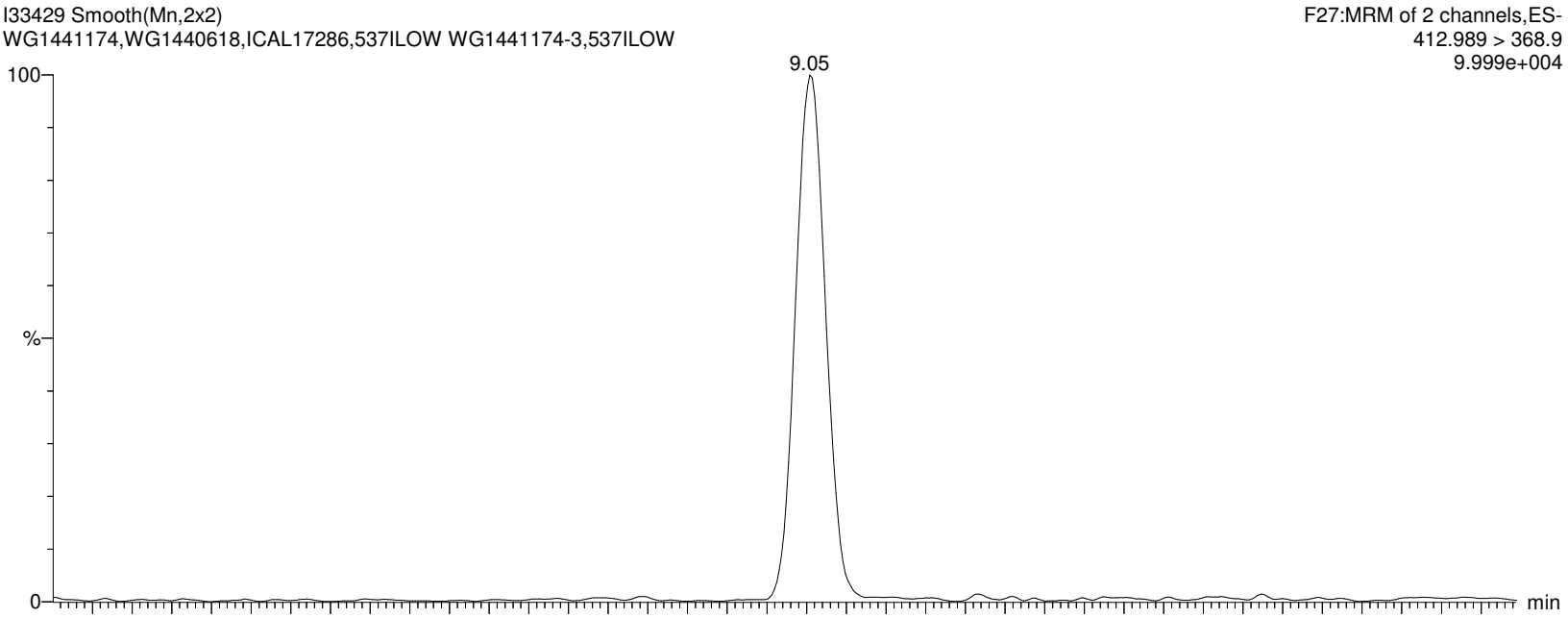

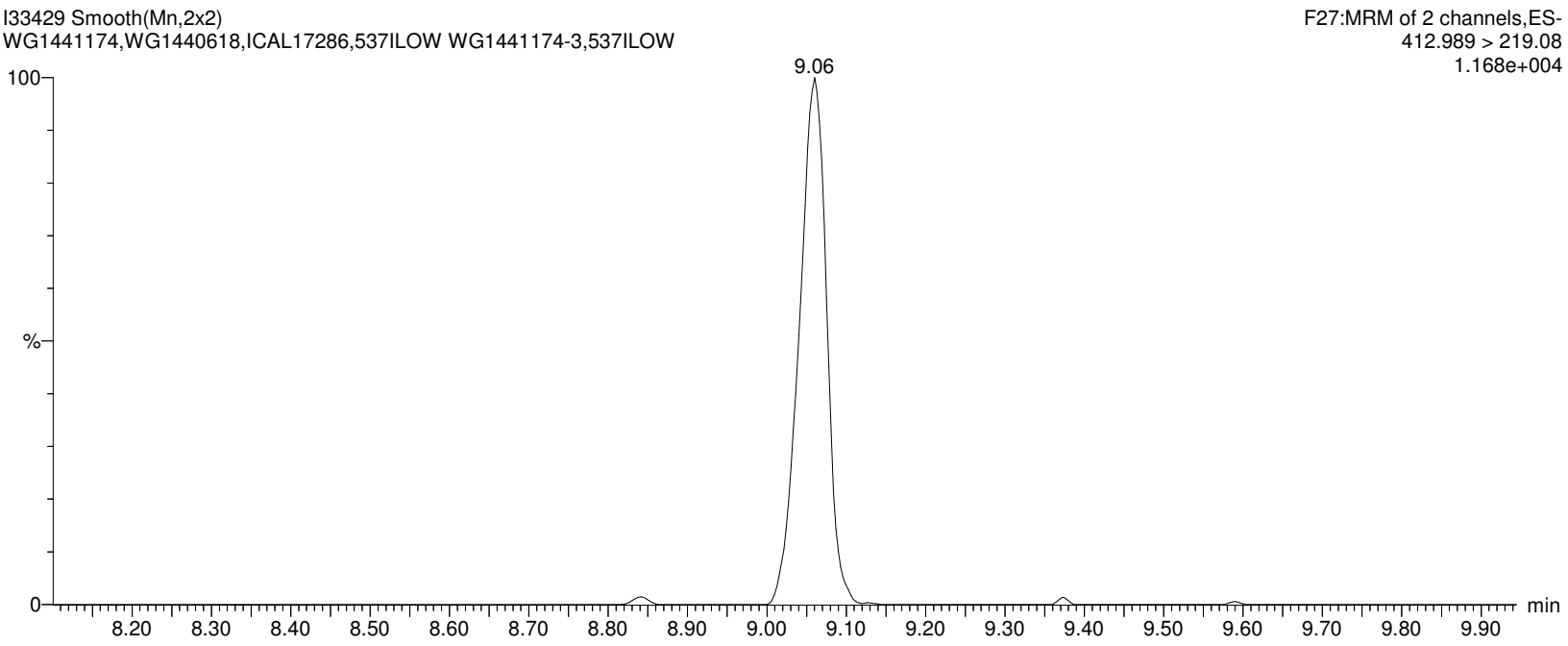

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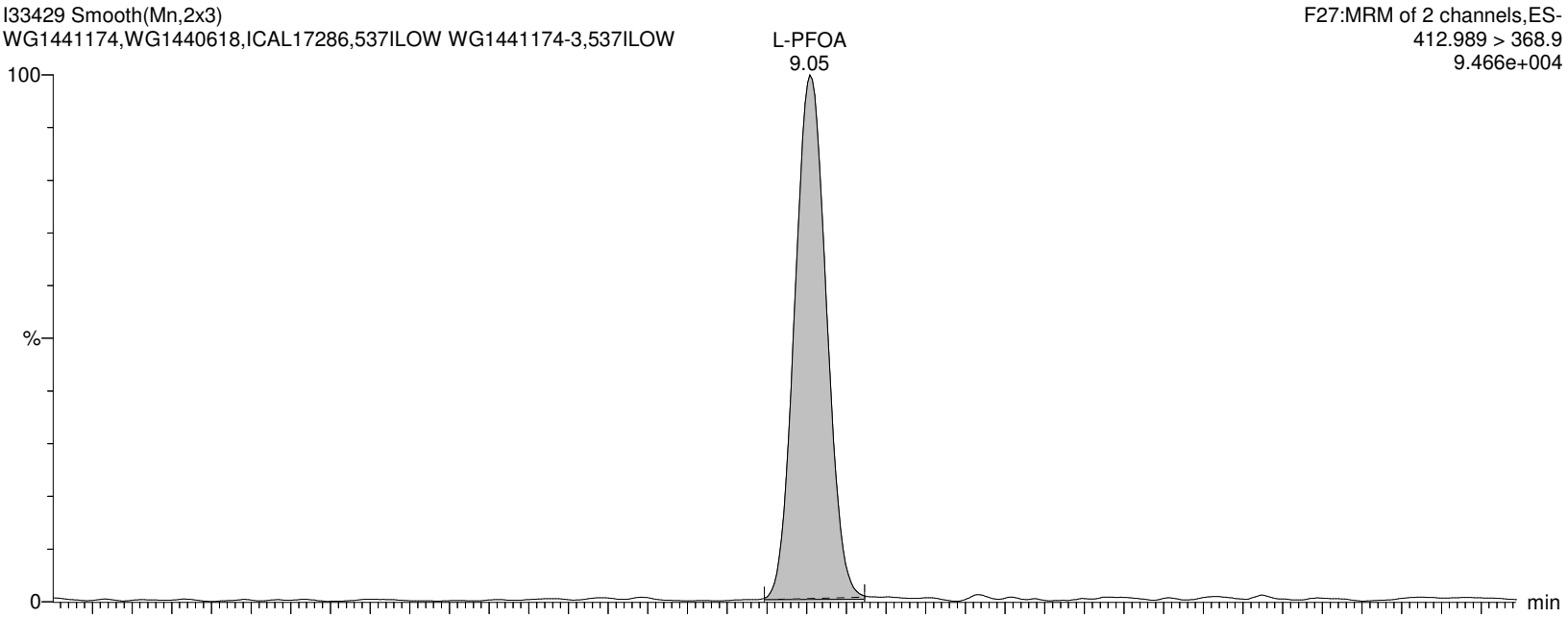

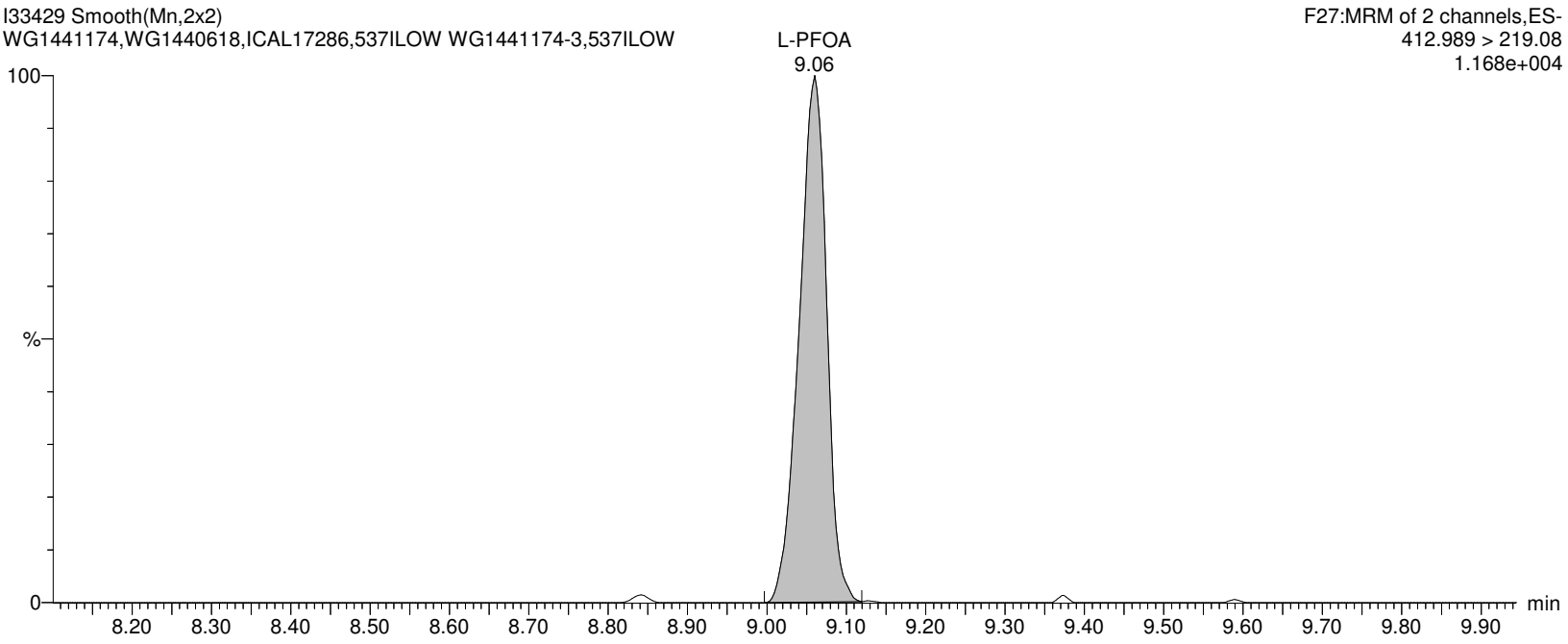

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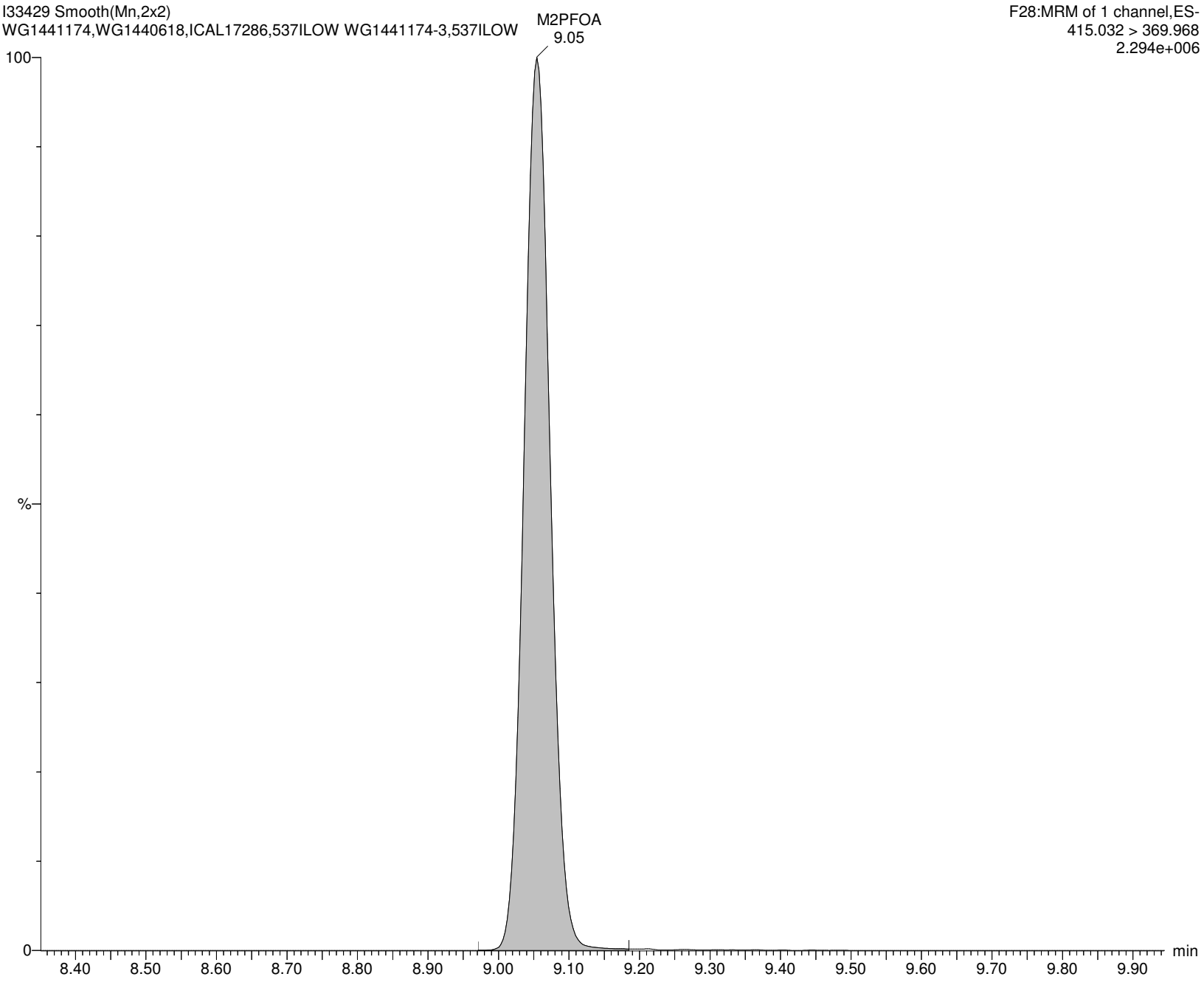

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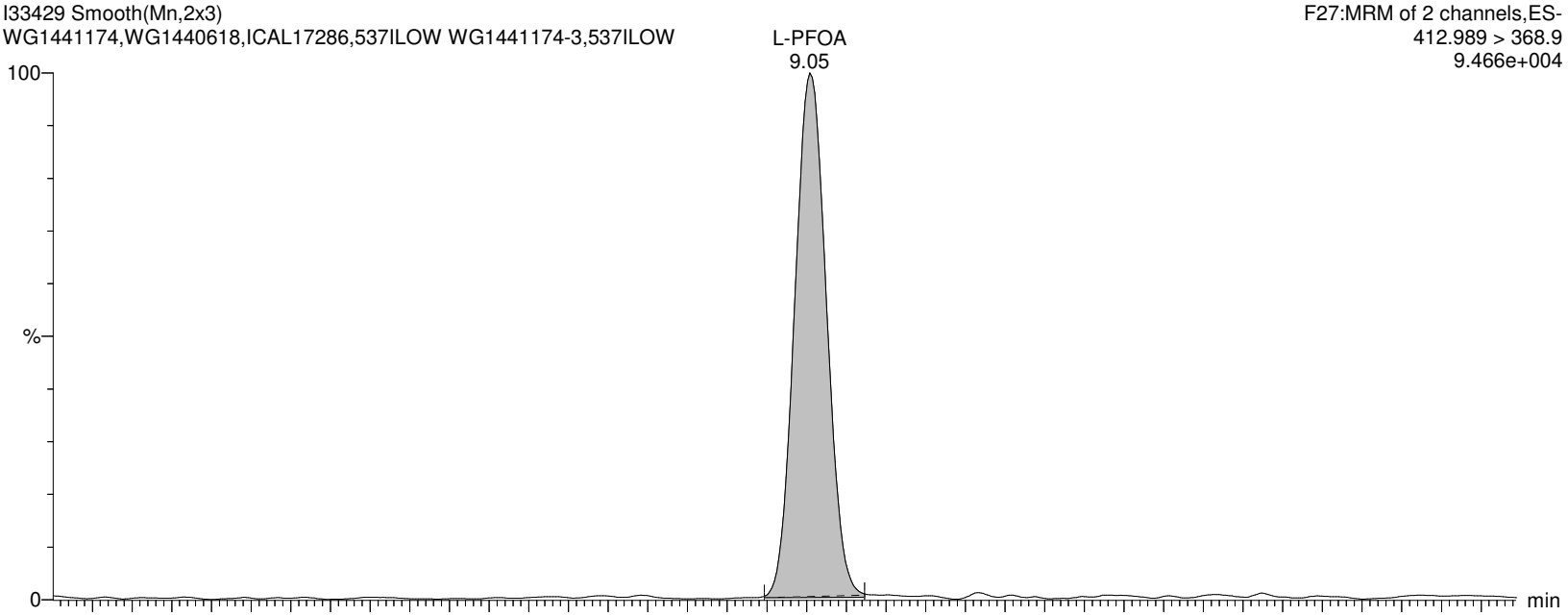

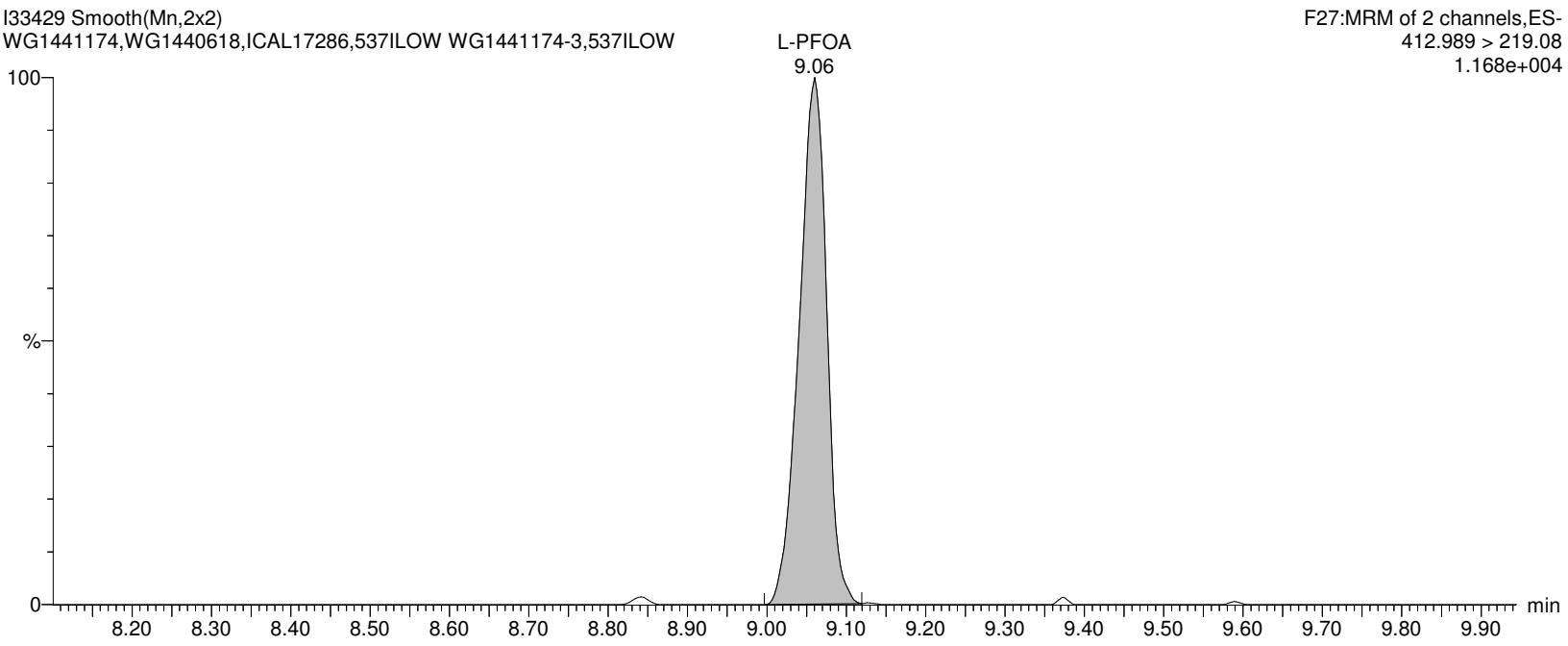

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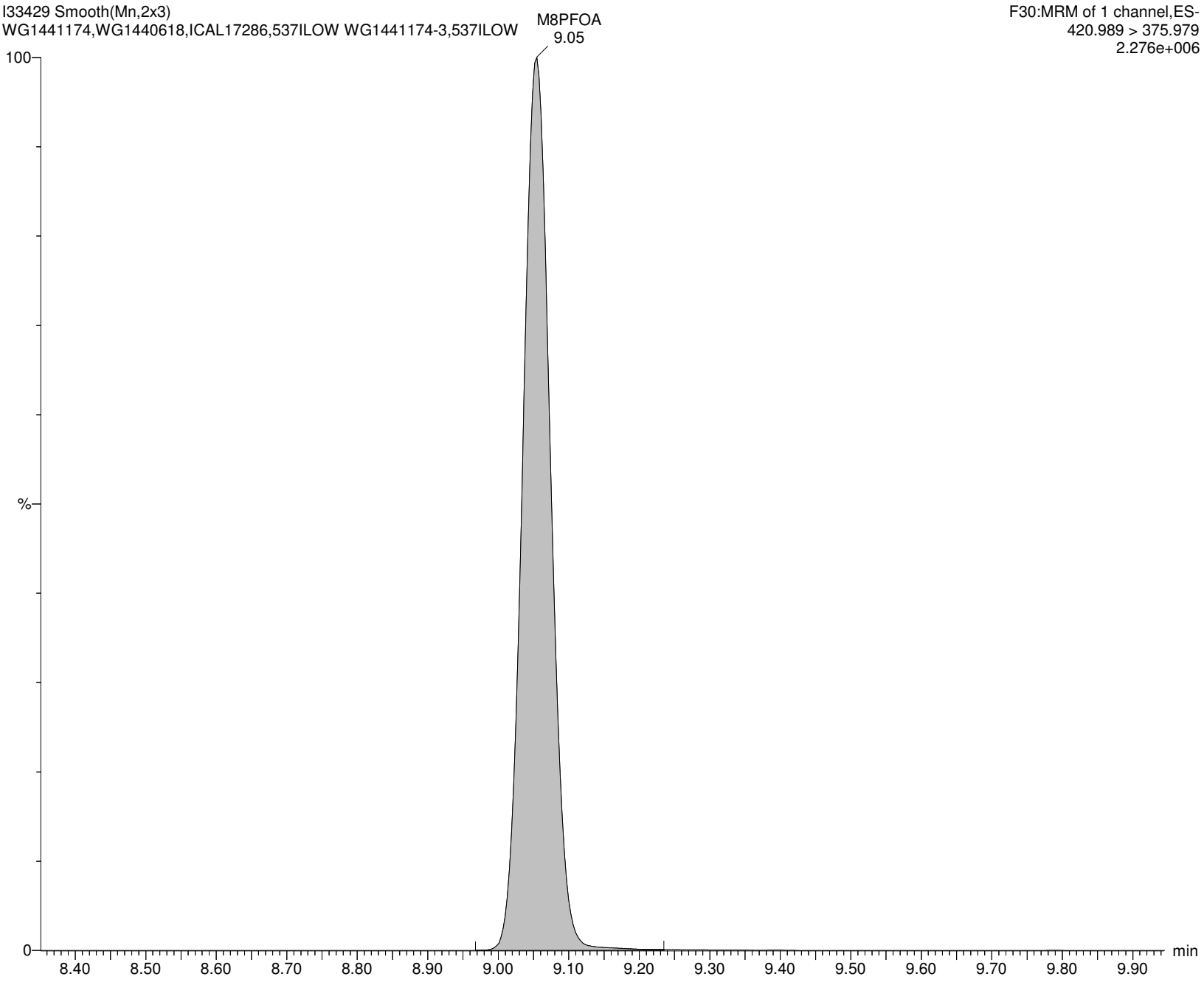

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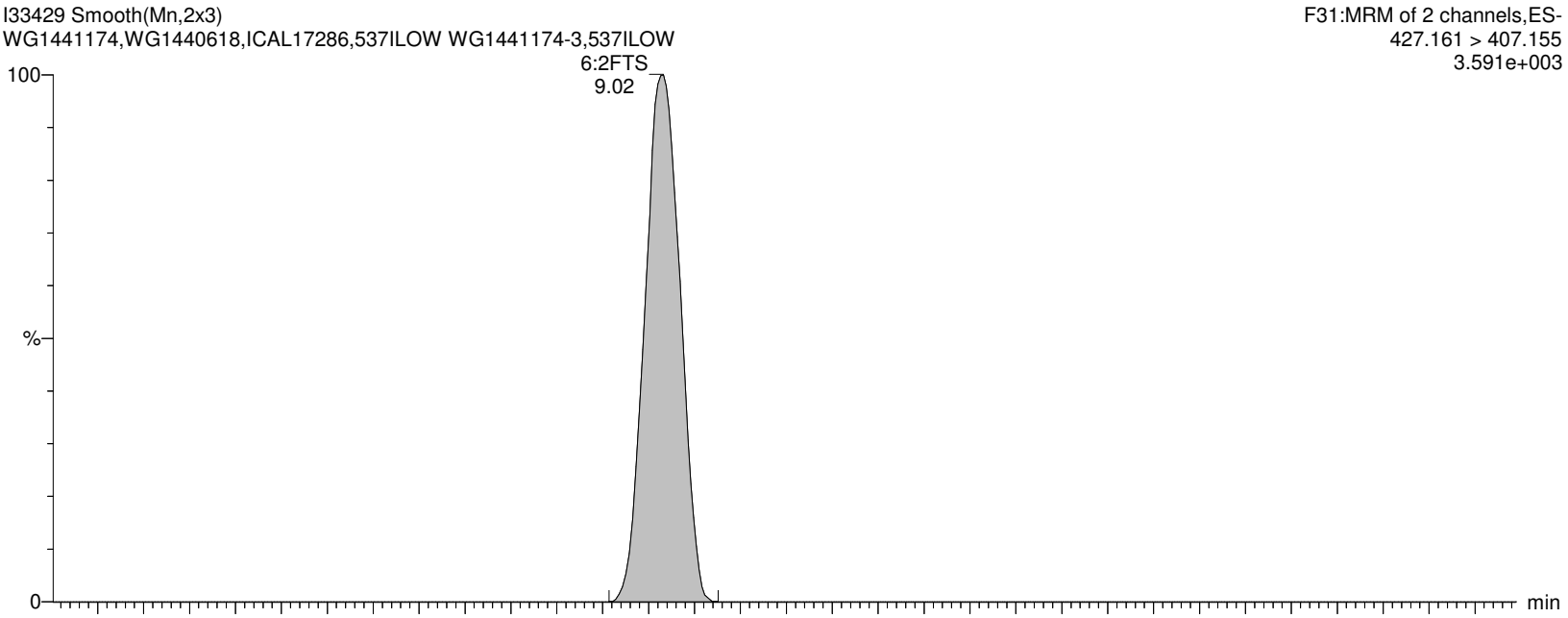

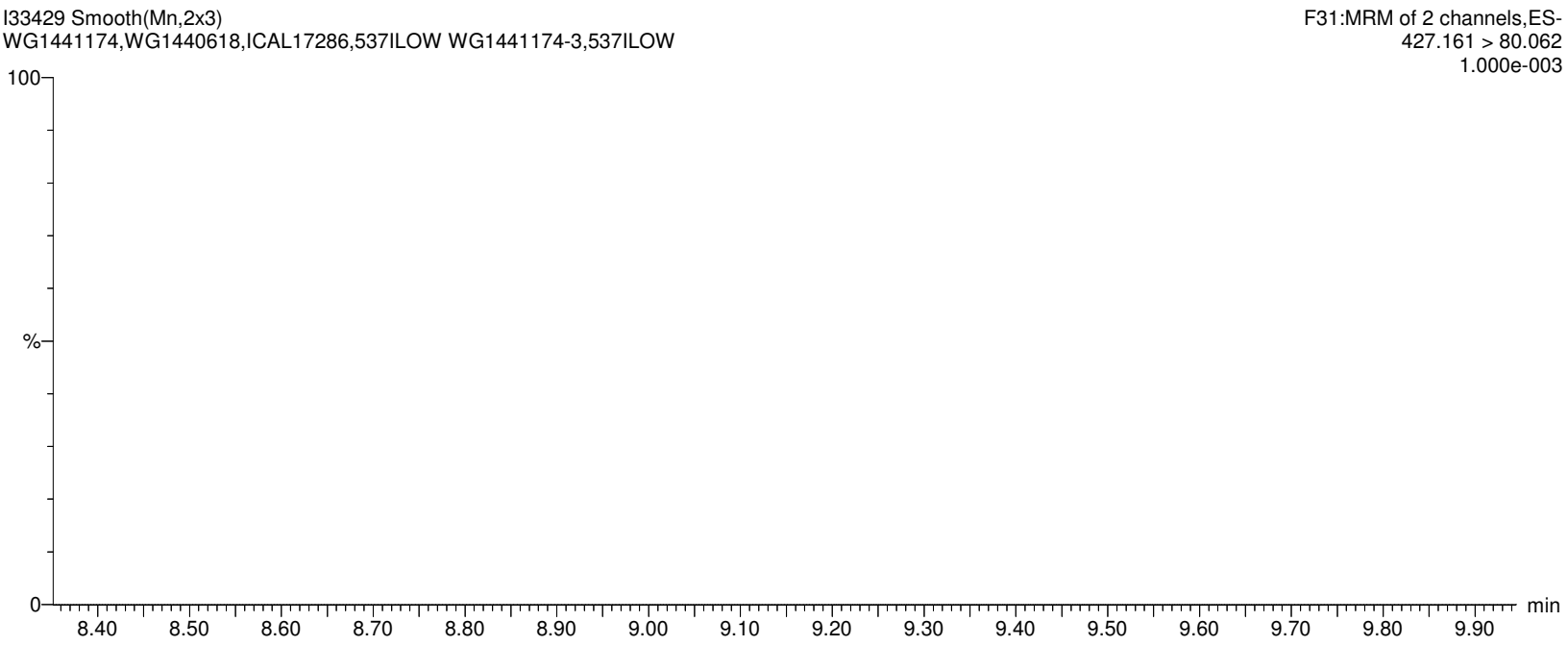

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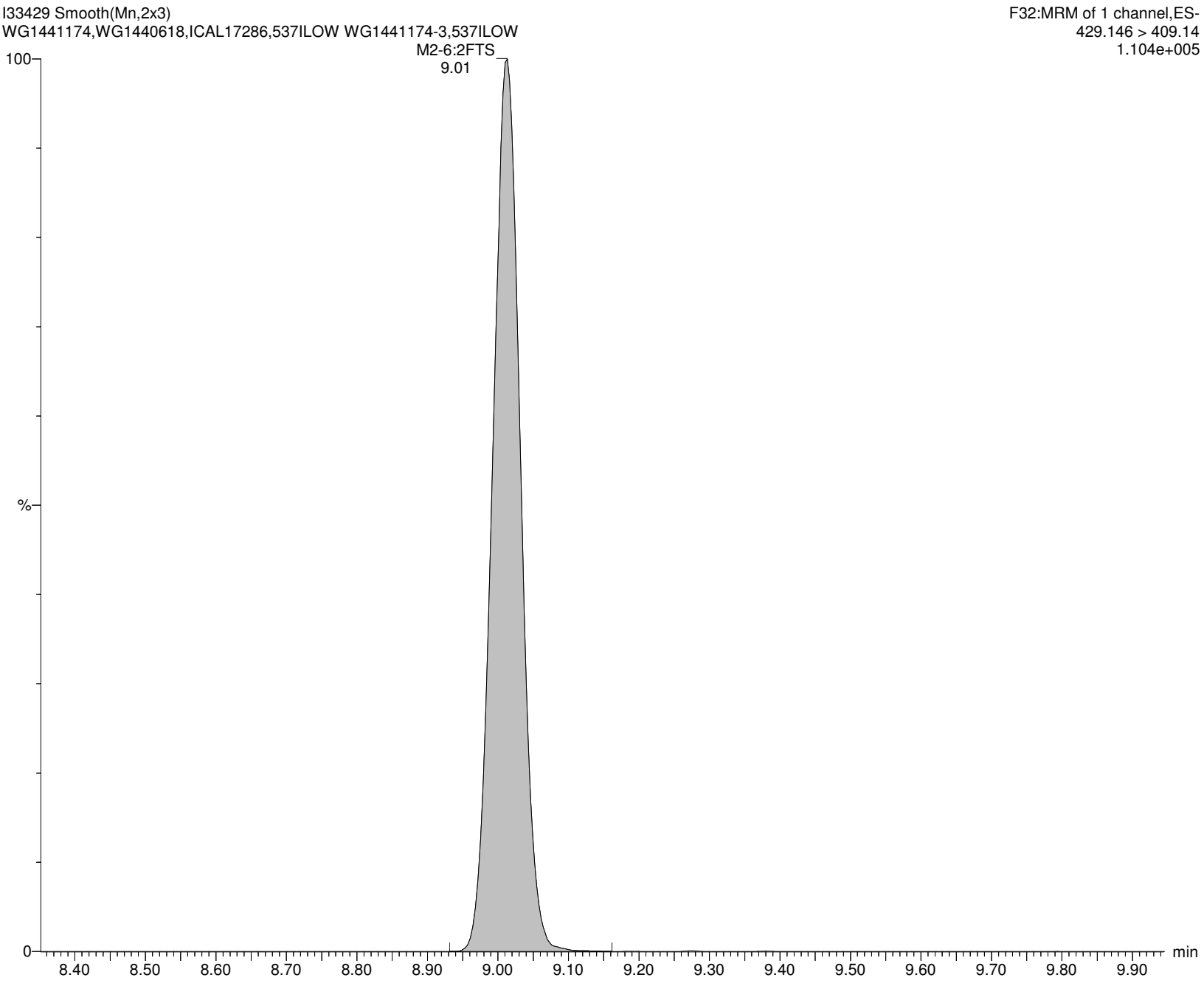

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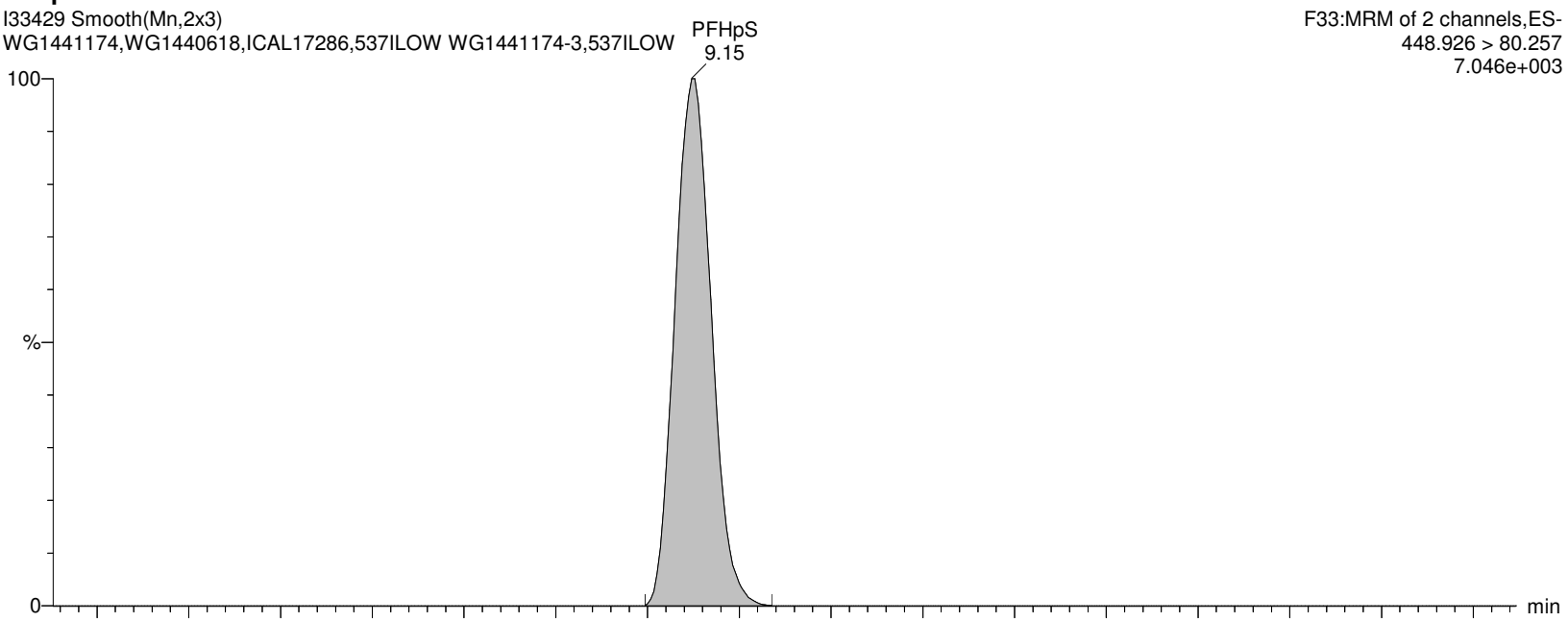

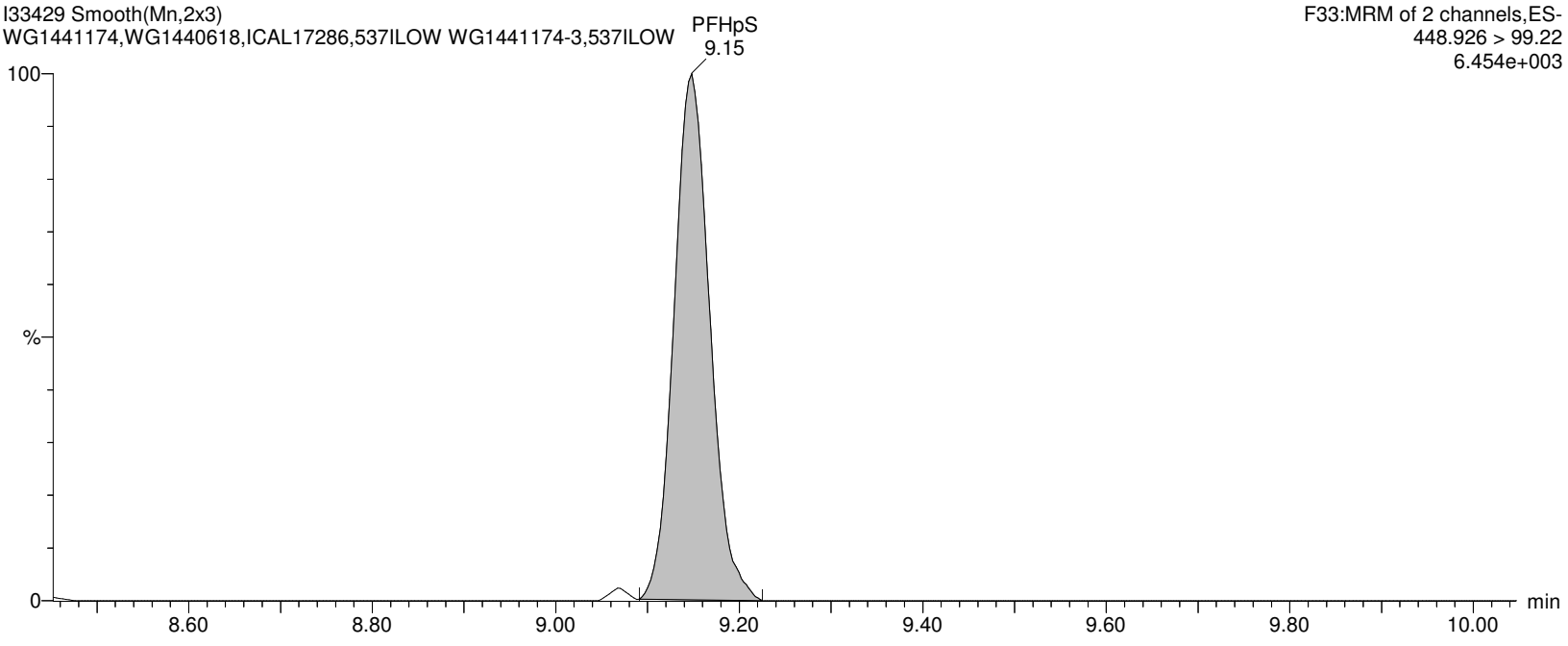

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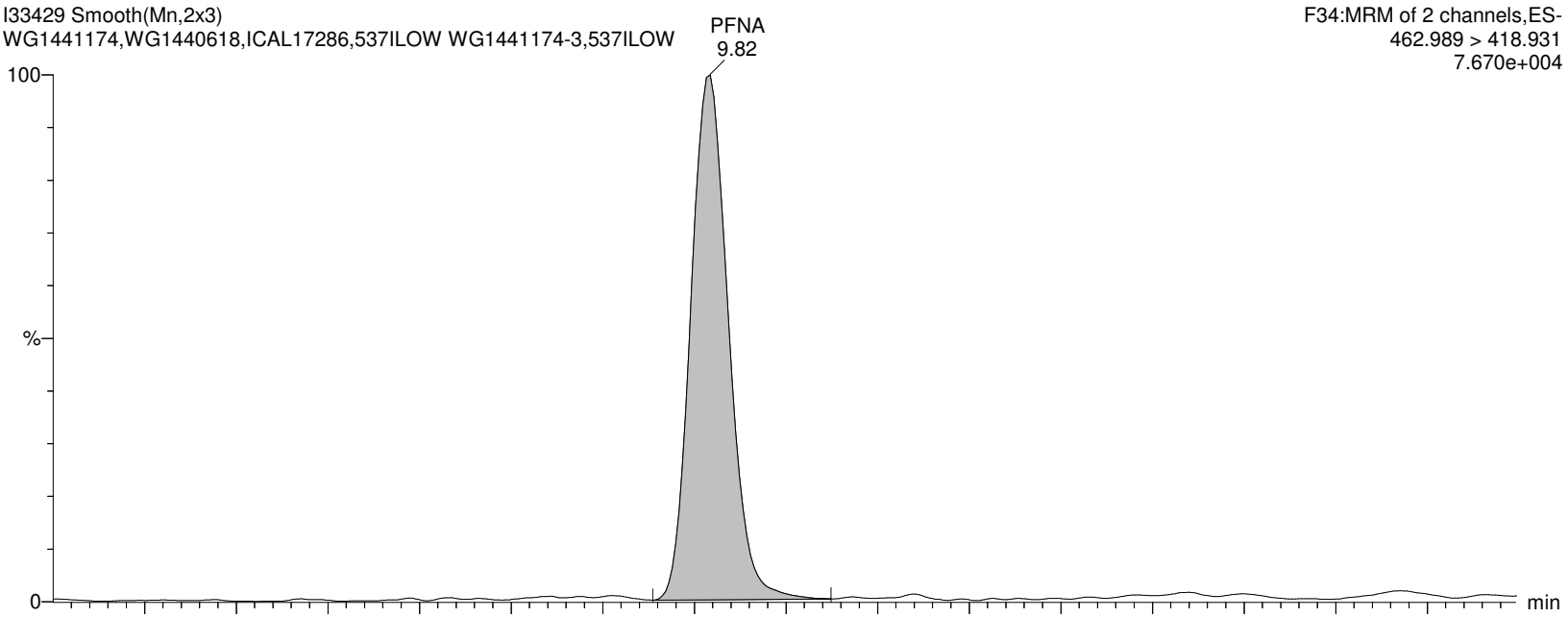

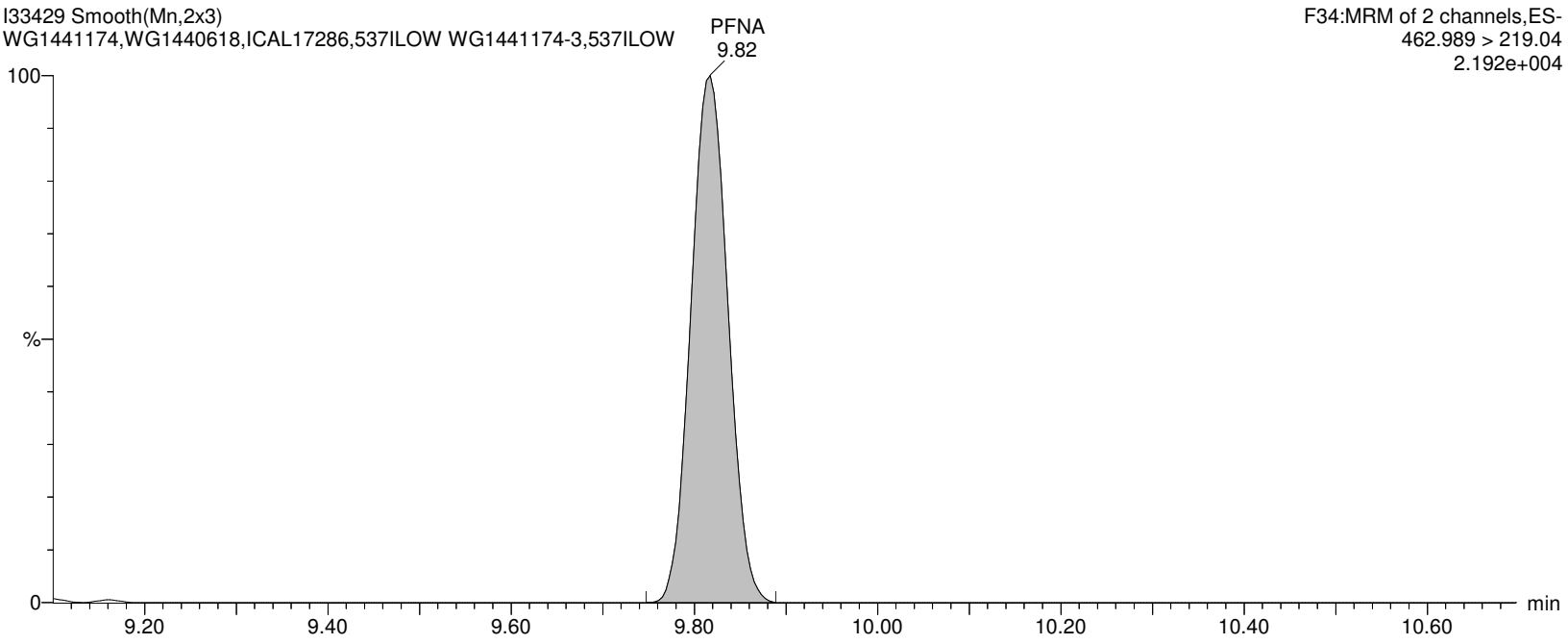

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
Last Altered: Sunday, December 06, 2020 22:56:32 Eastern Standard Time
Printed: Sunday, December 06, 2020 22:59:57 Eastern Standard Time

Name: I33429
ID: WG1441174-3,537ILOW
Date: 04-Dec-2020
Time: 19:31:04
Description: WG1441174,WG1440618,ICAL17286,537ILOW
User: LCMS02:JW
Vial: 1:A,2
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
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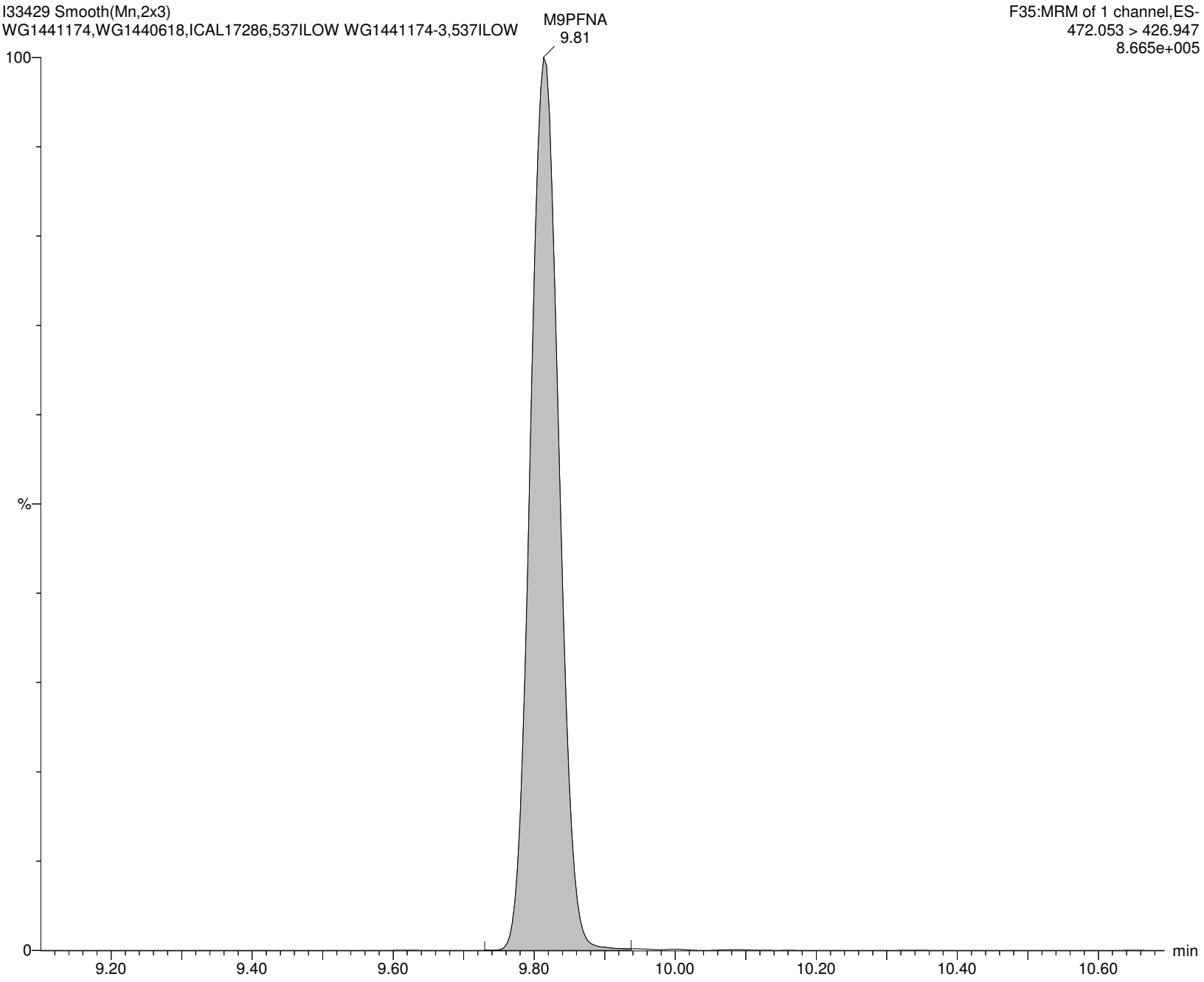
M9PFNA



all concentration units in (ng/mL)

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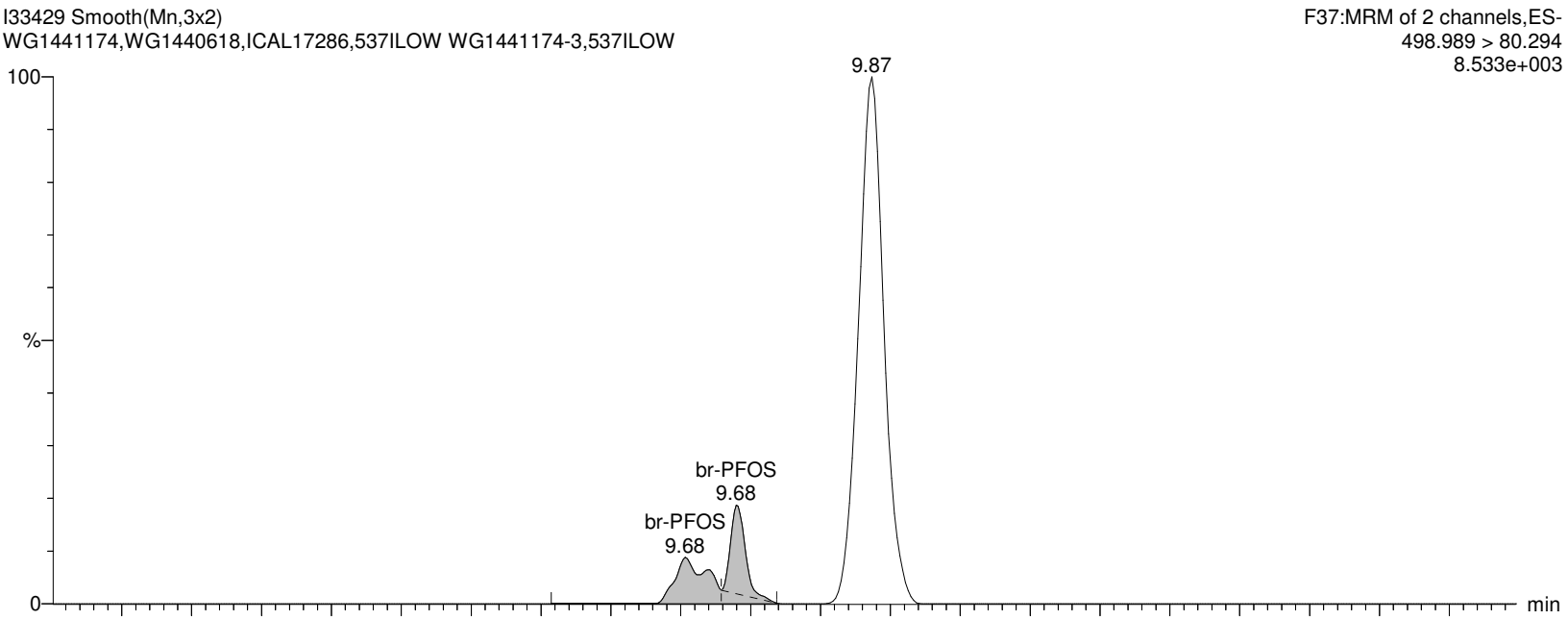

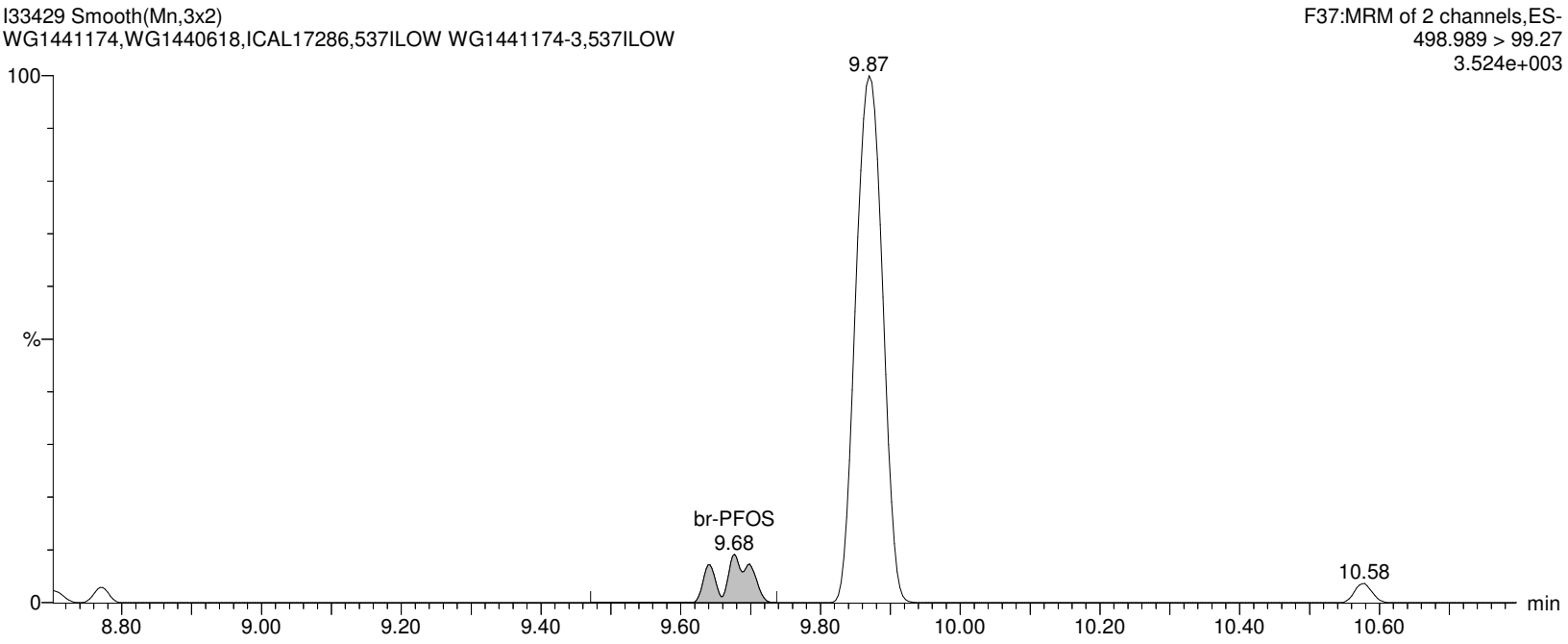

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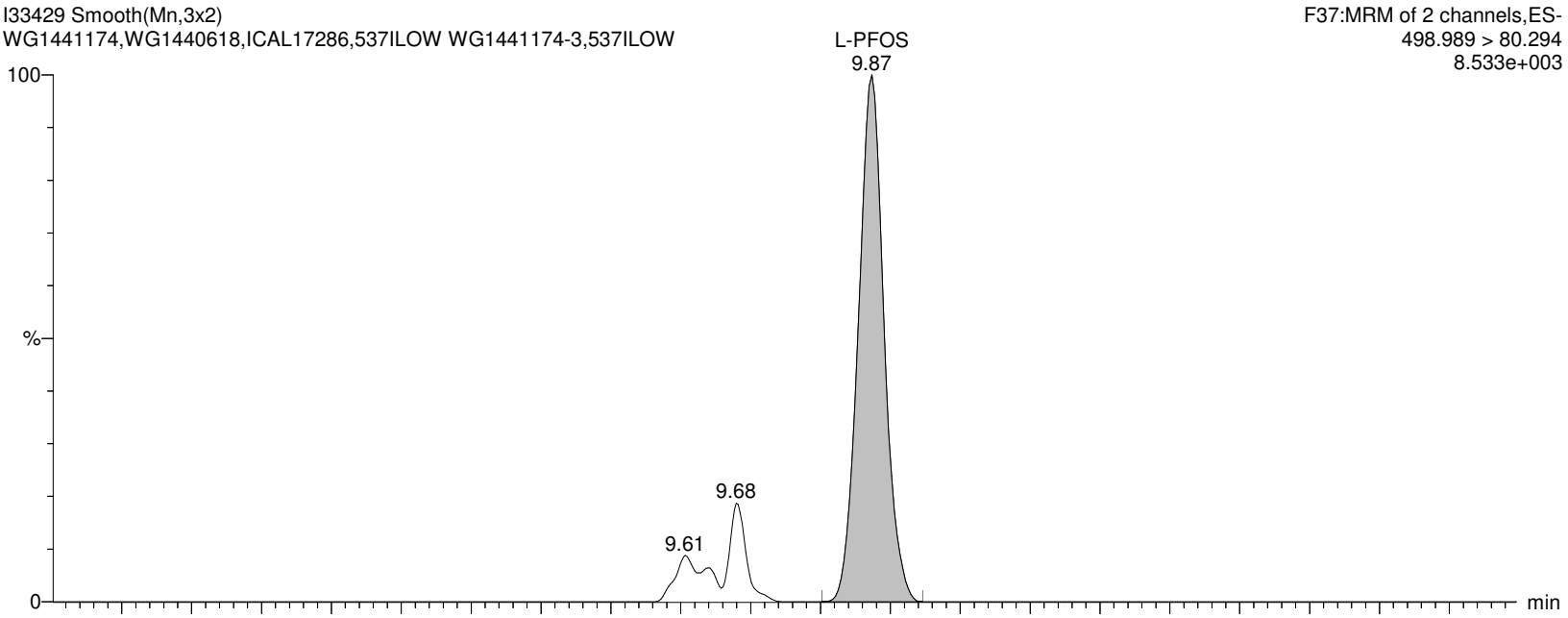

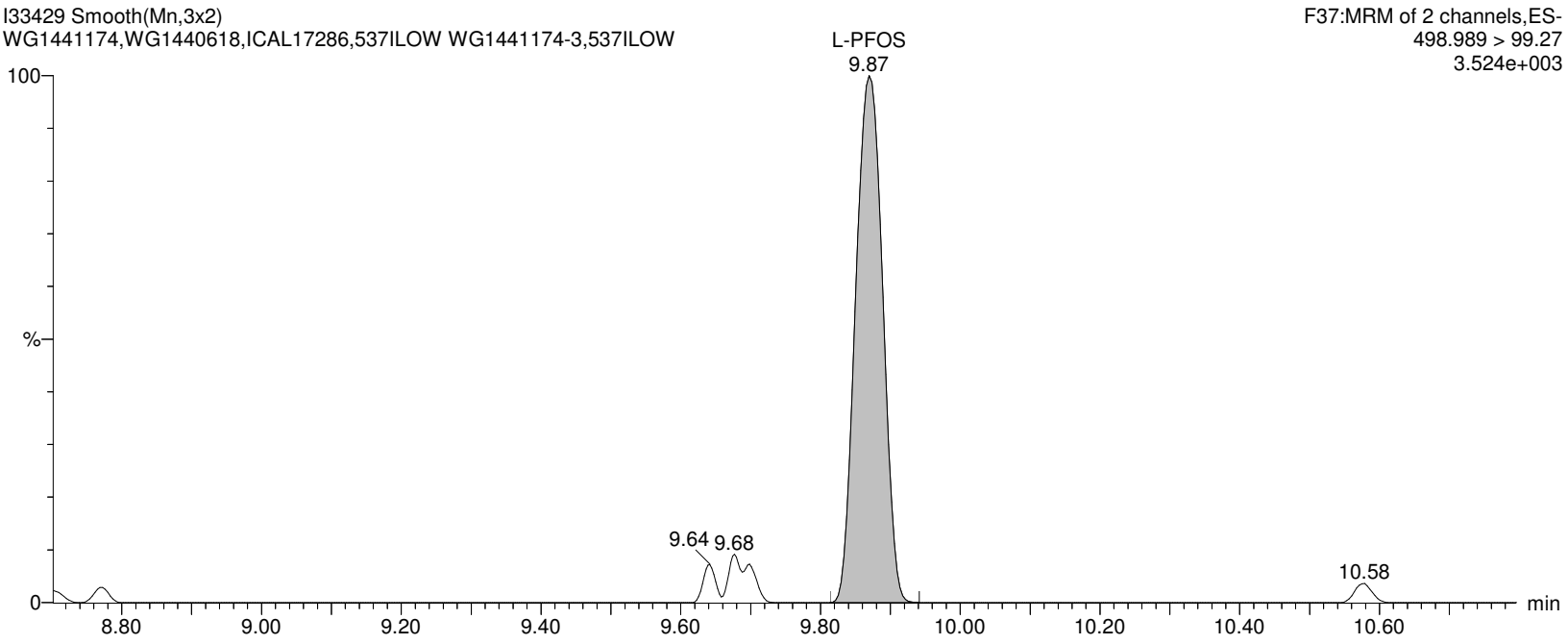

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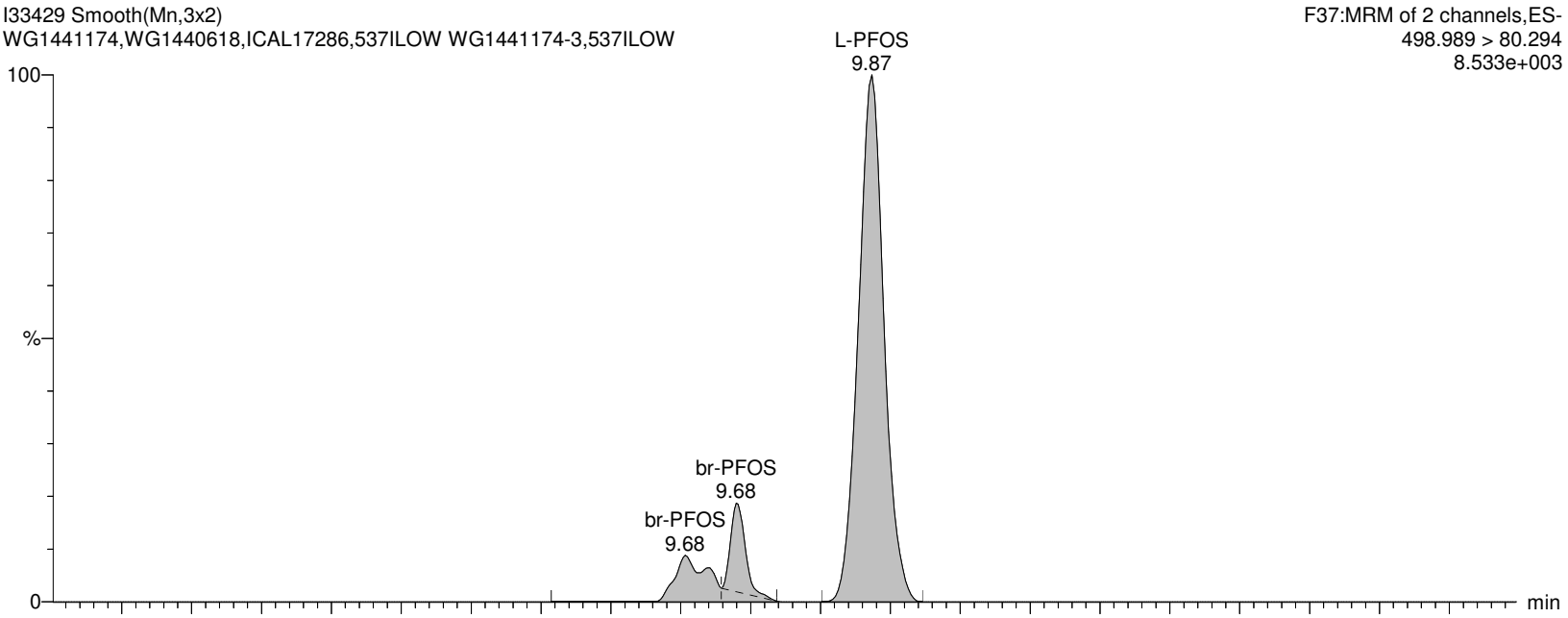

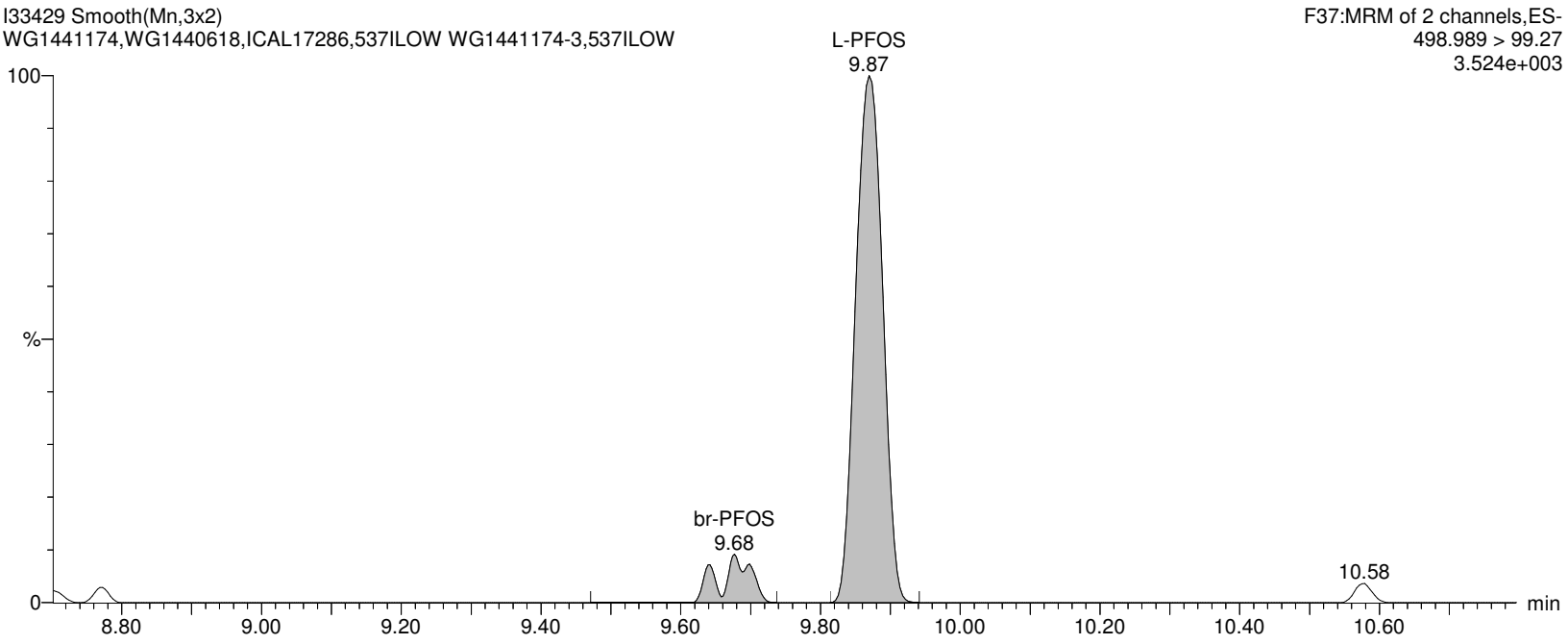

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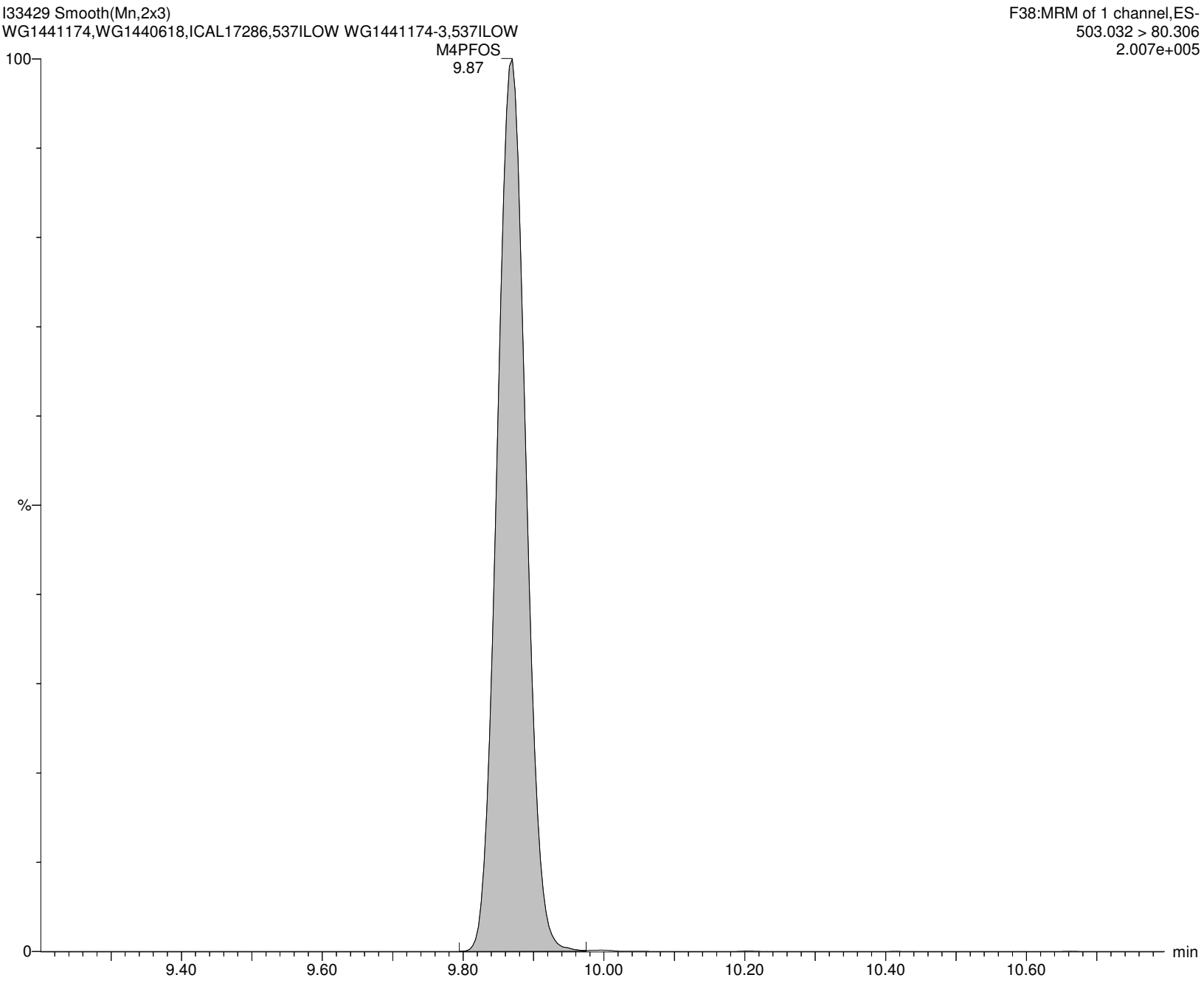

all concentration units in (ng/mL)

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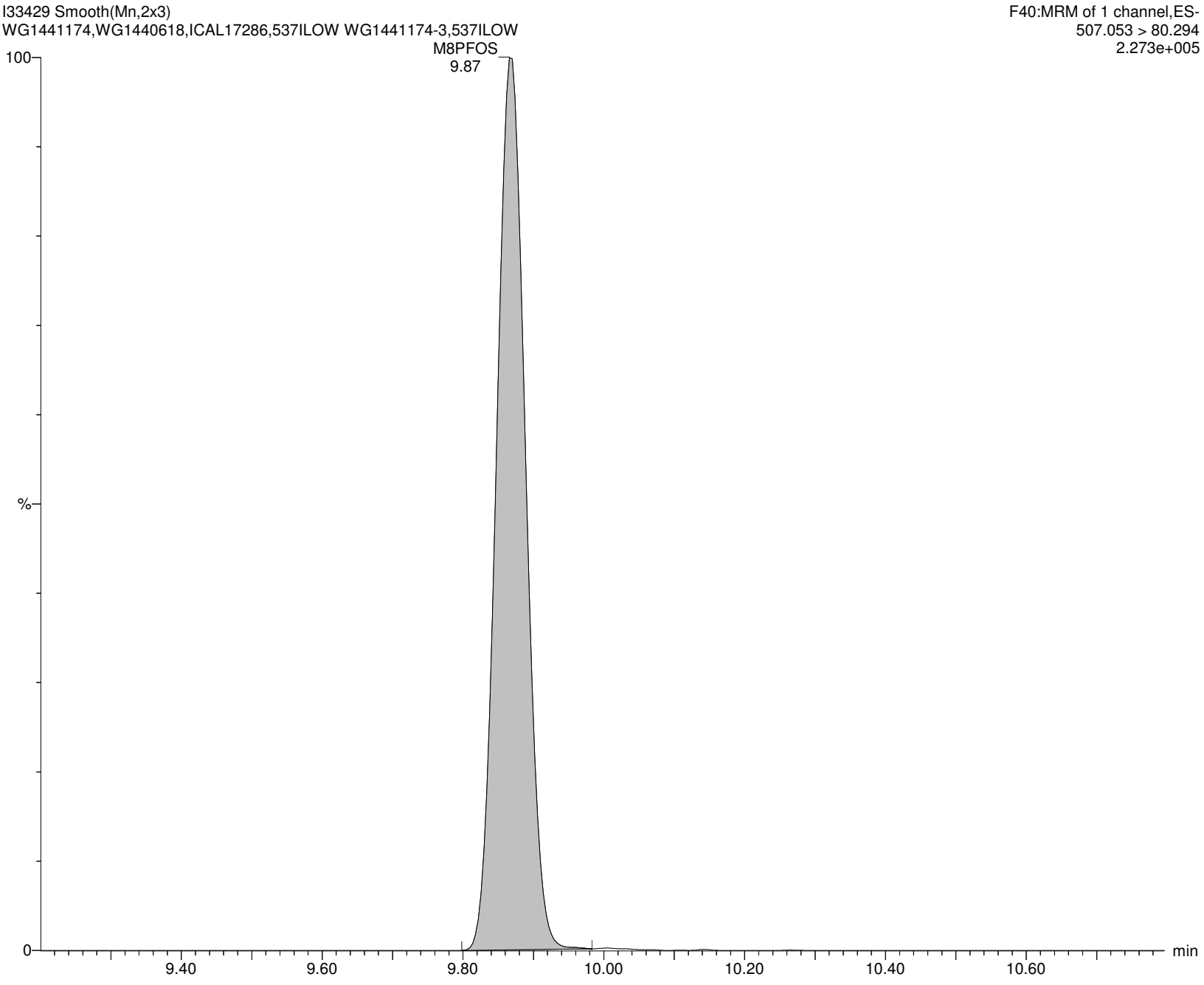

all concentration units in (ng/mL)

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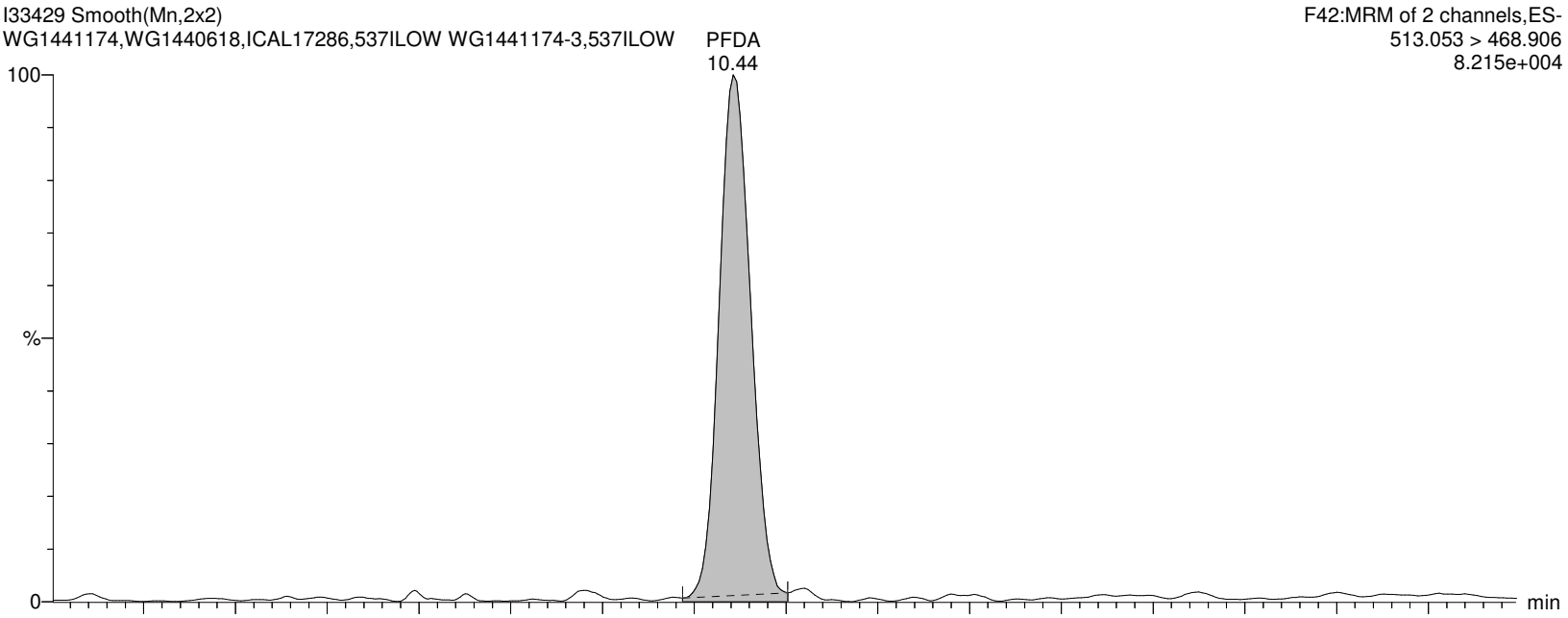

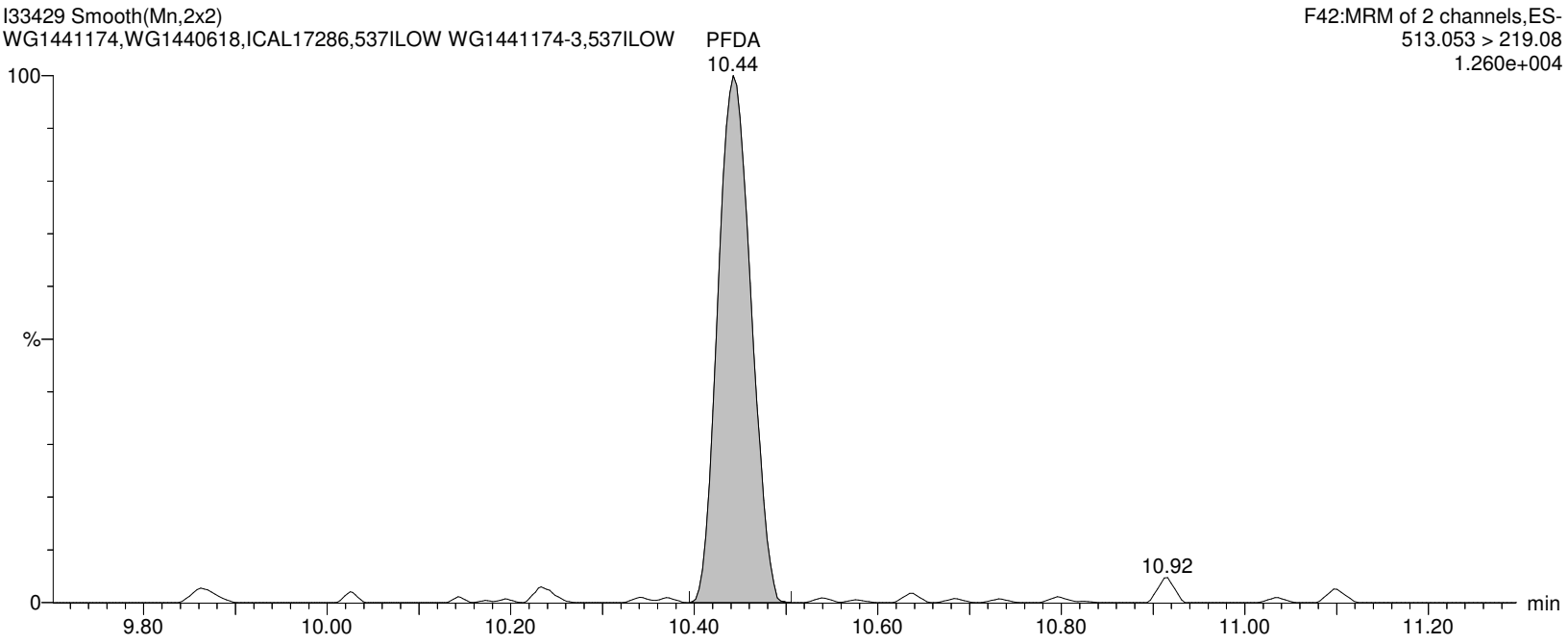

all concentration units in (ng/mL)

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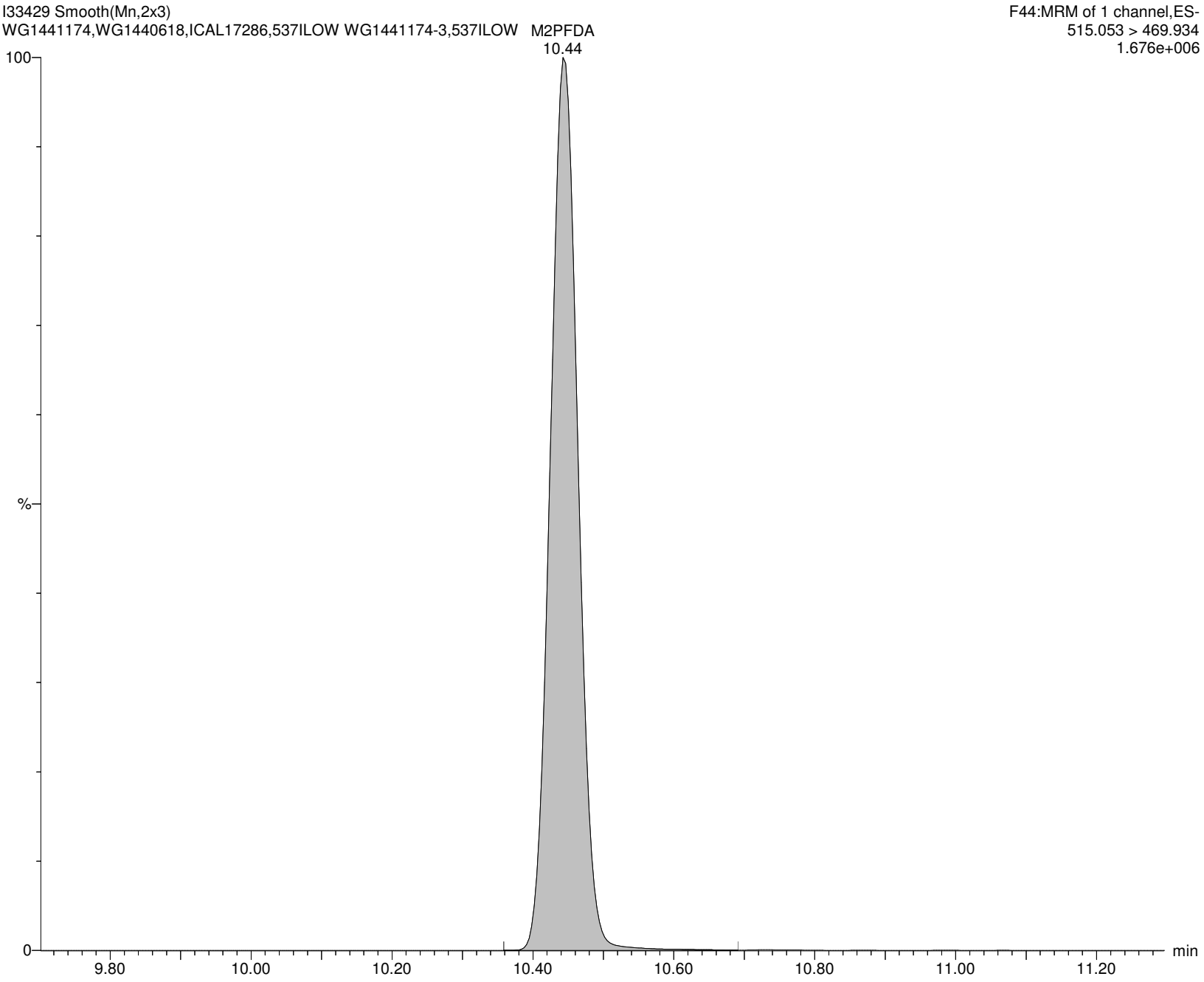

all concentration units in (ng/mL)

Alpha Analytical Inc.
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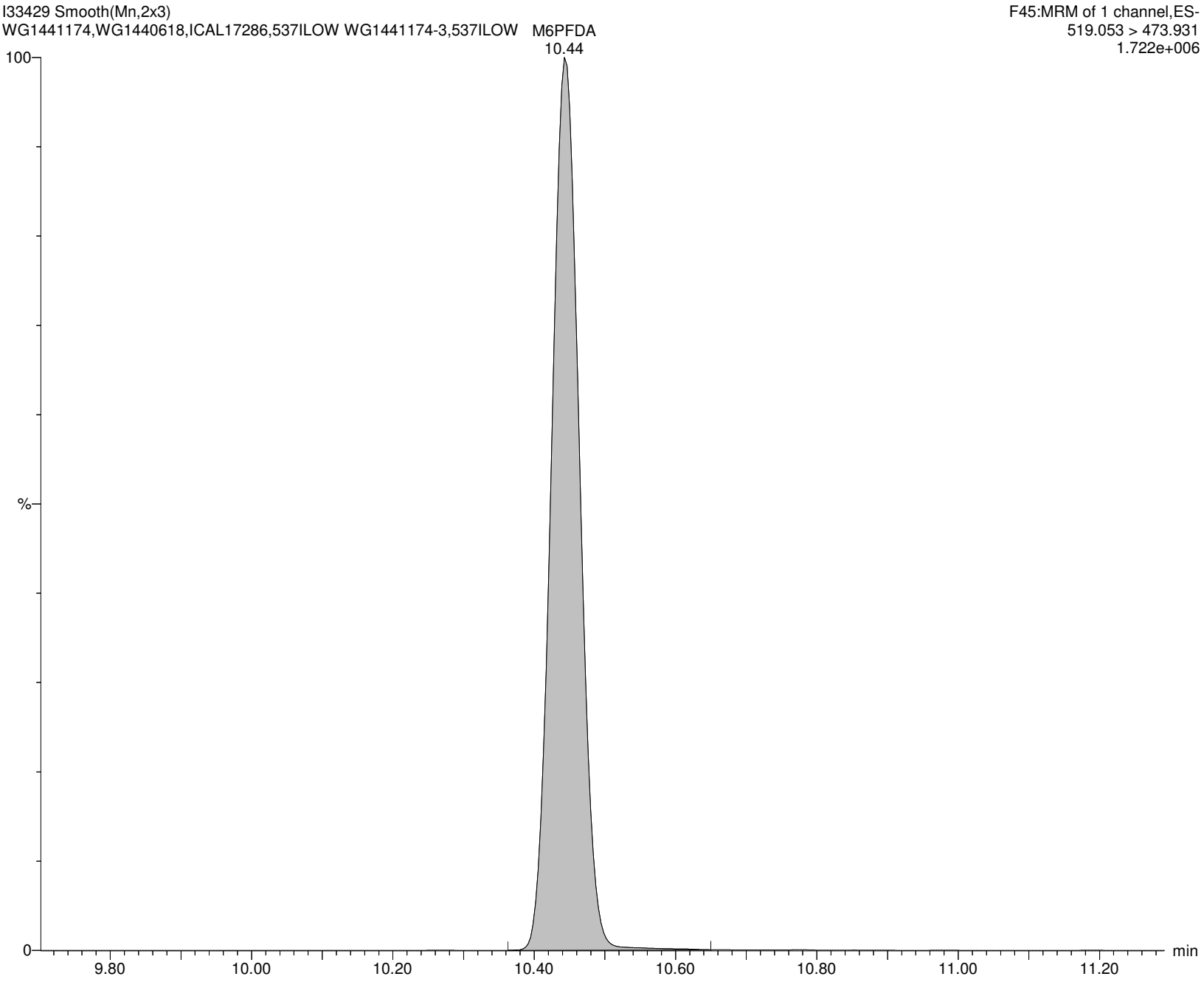

all concentration units in (ng/mL)

Alpha Analytical Inc.
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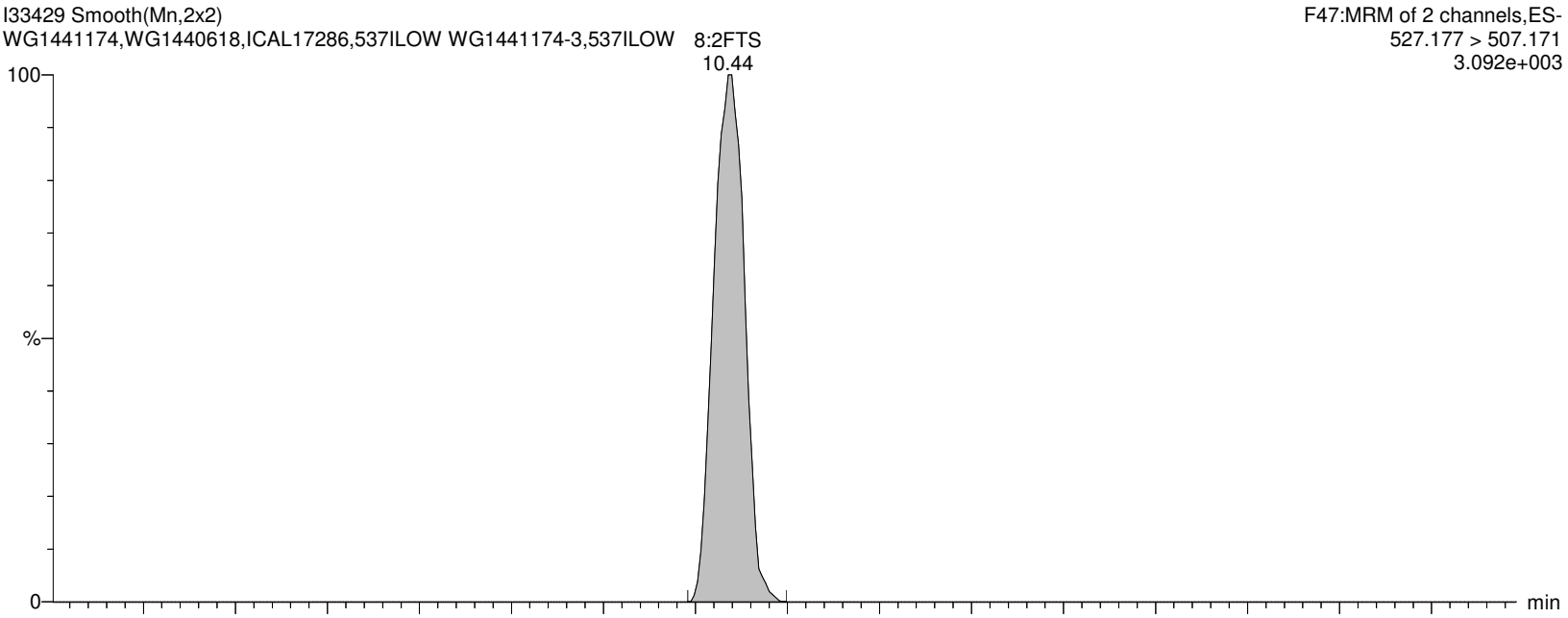

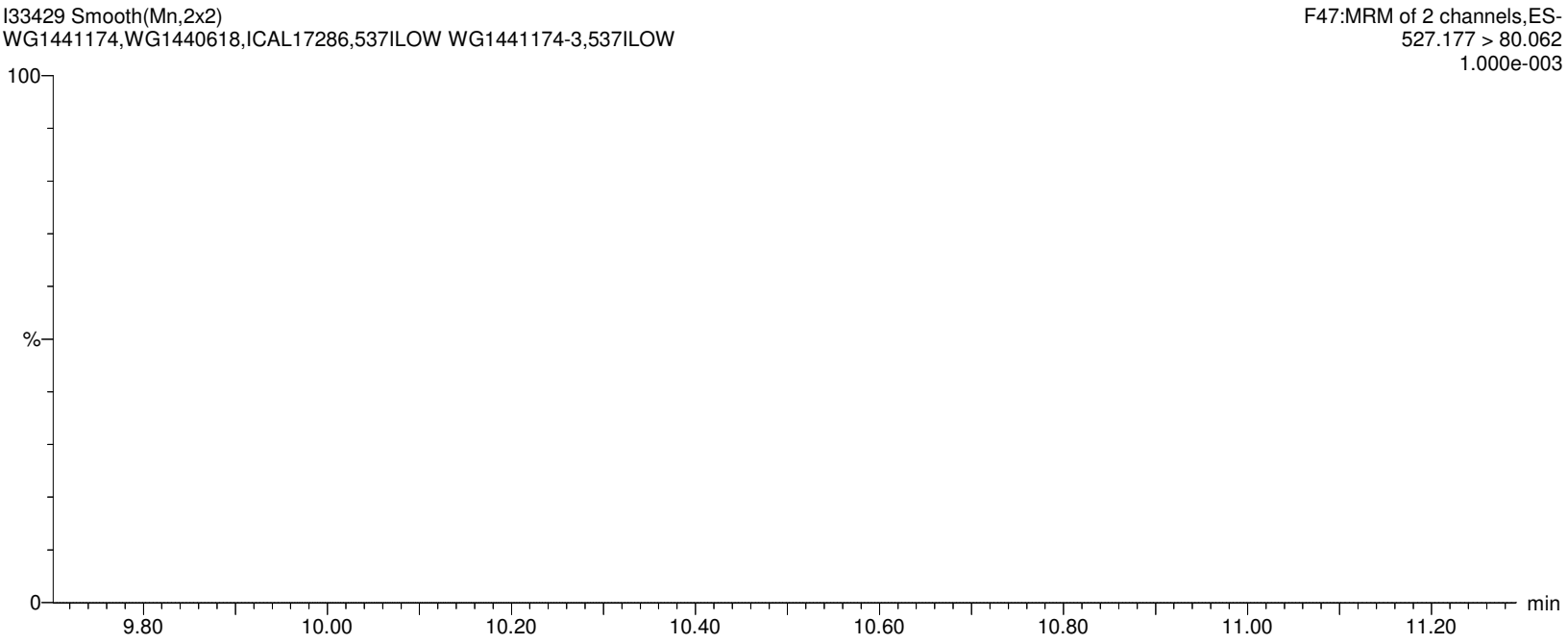

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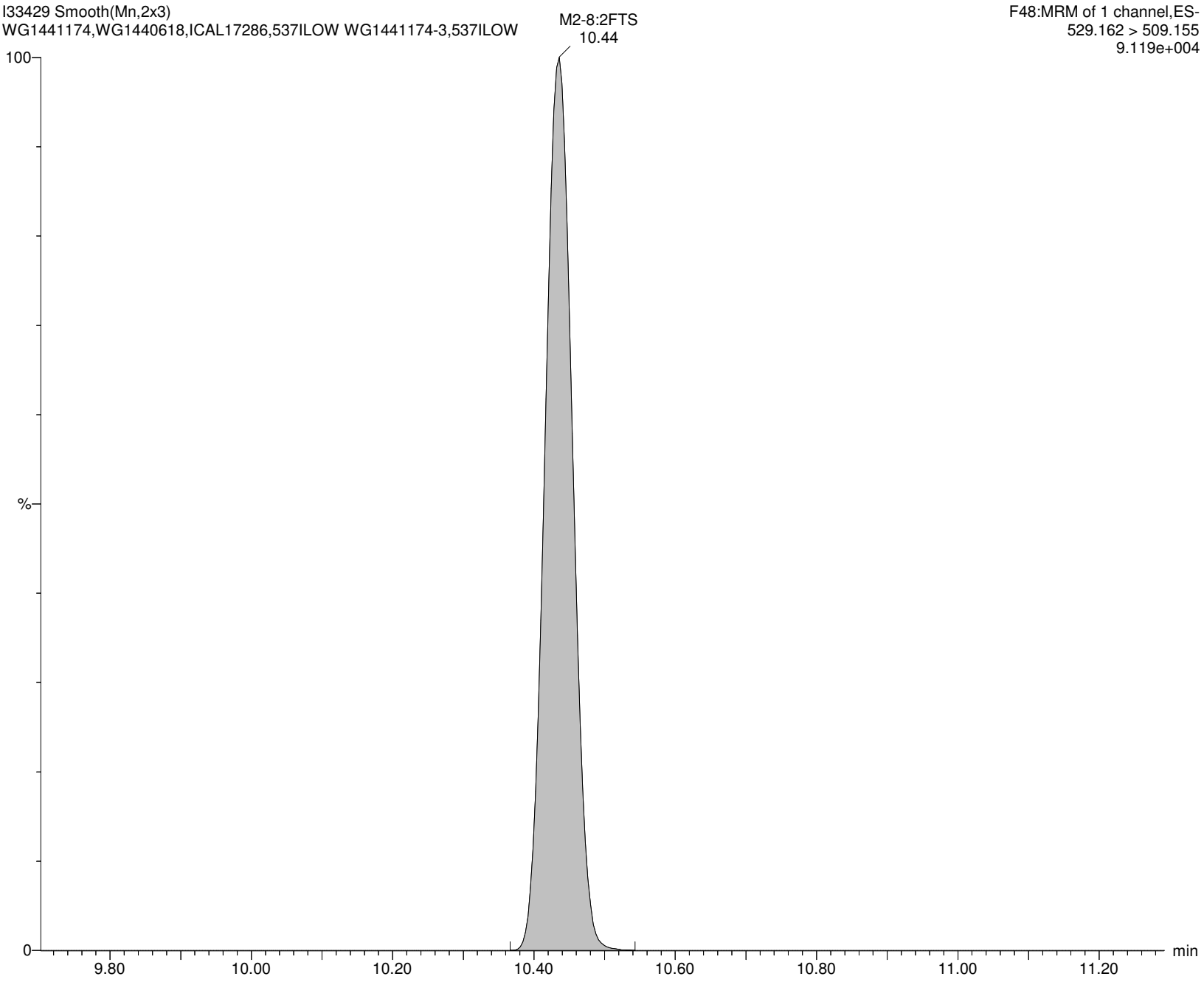

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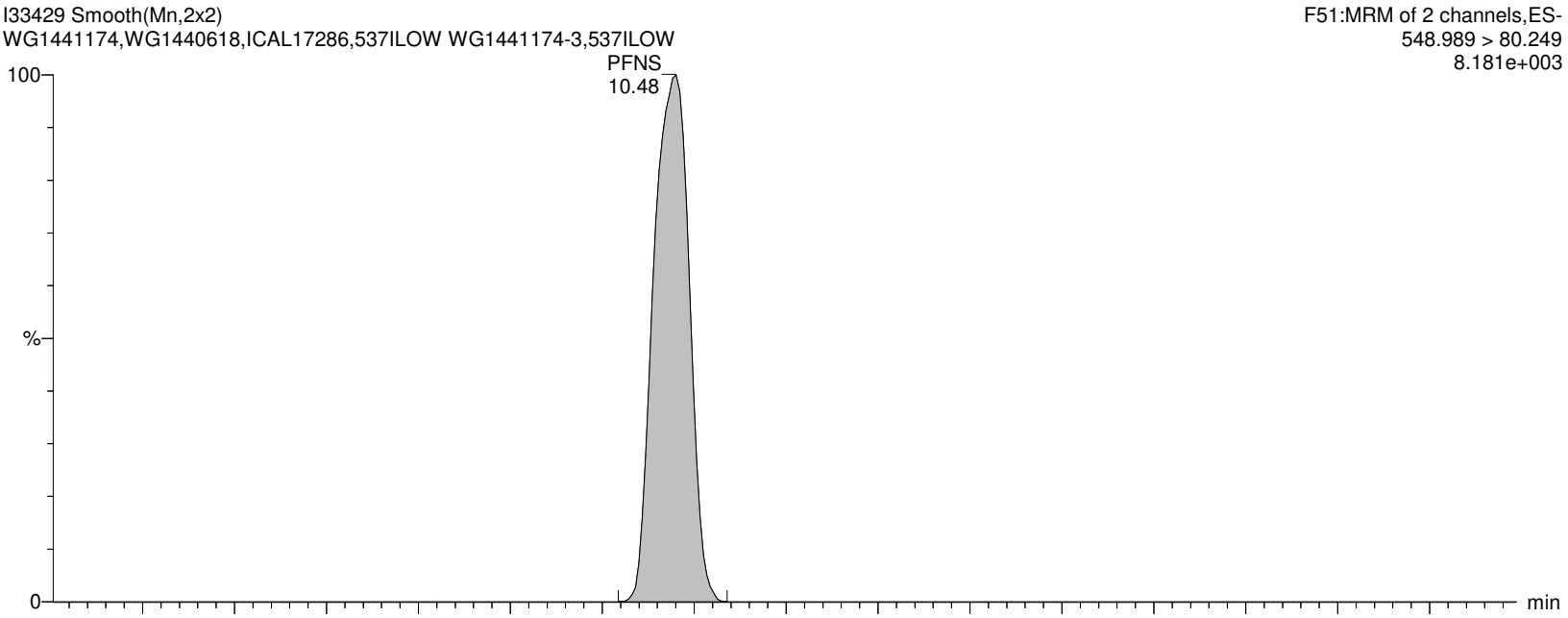

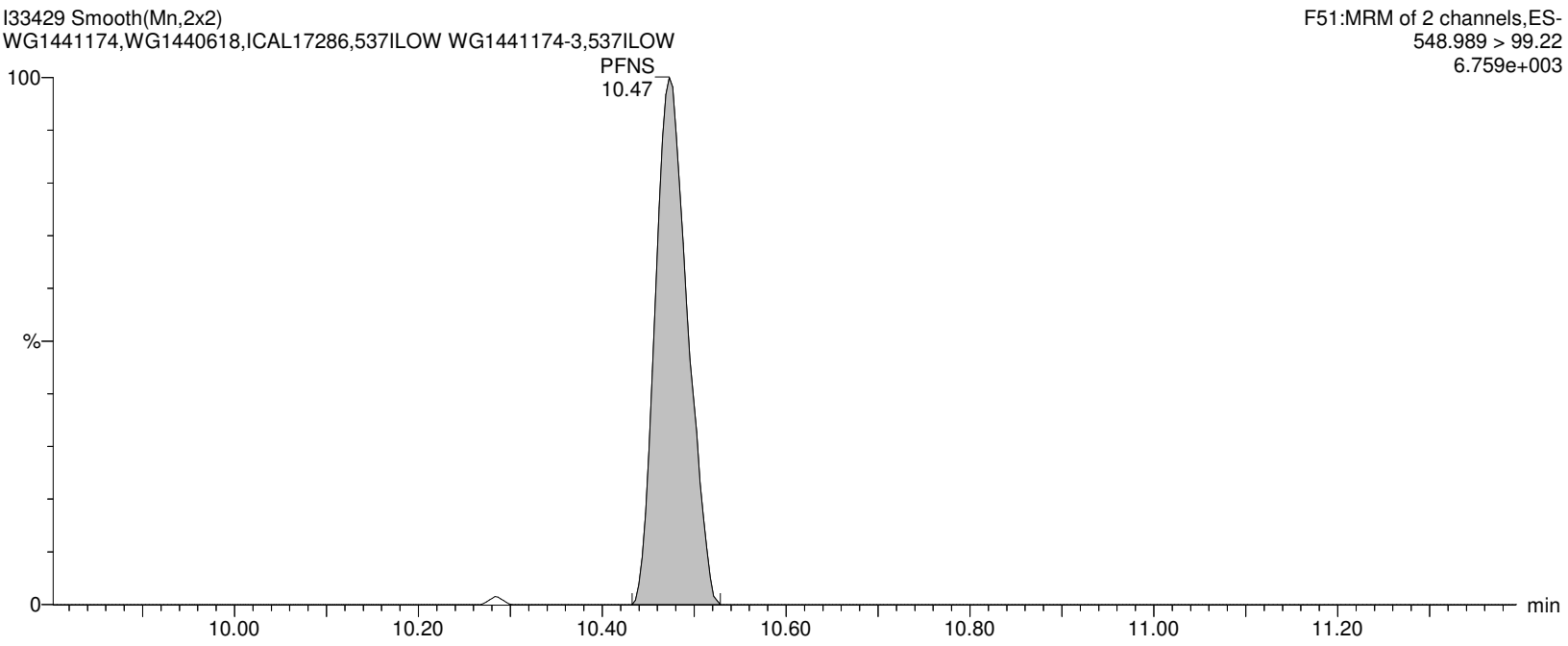

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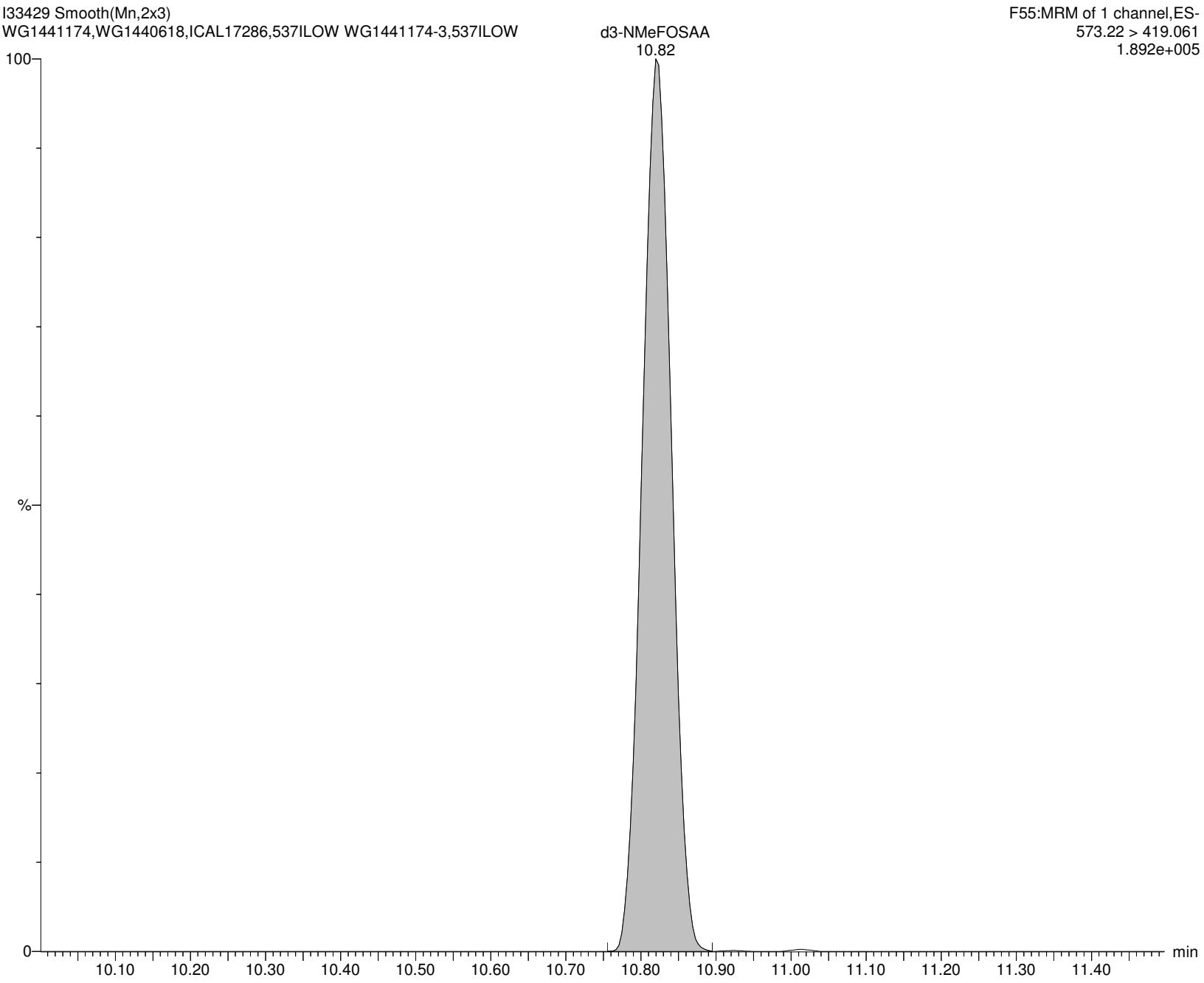

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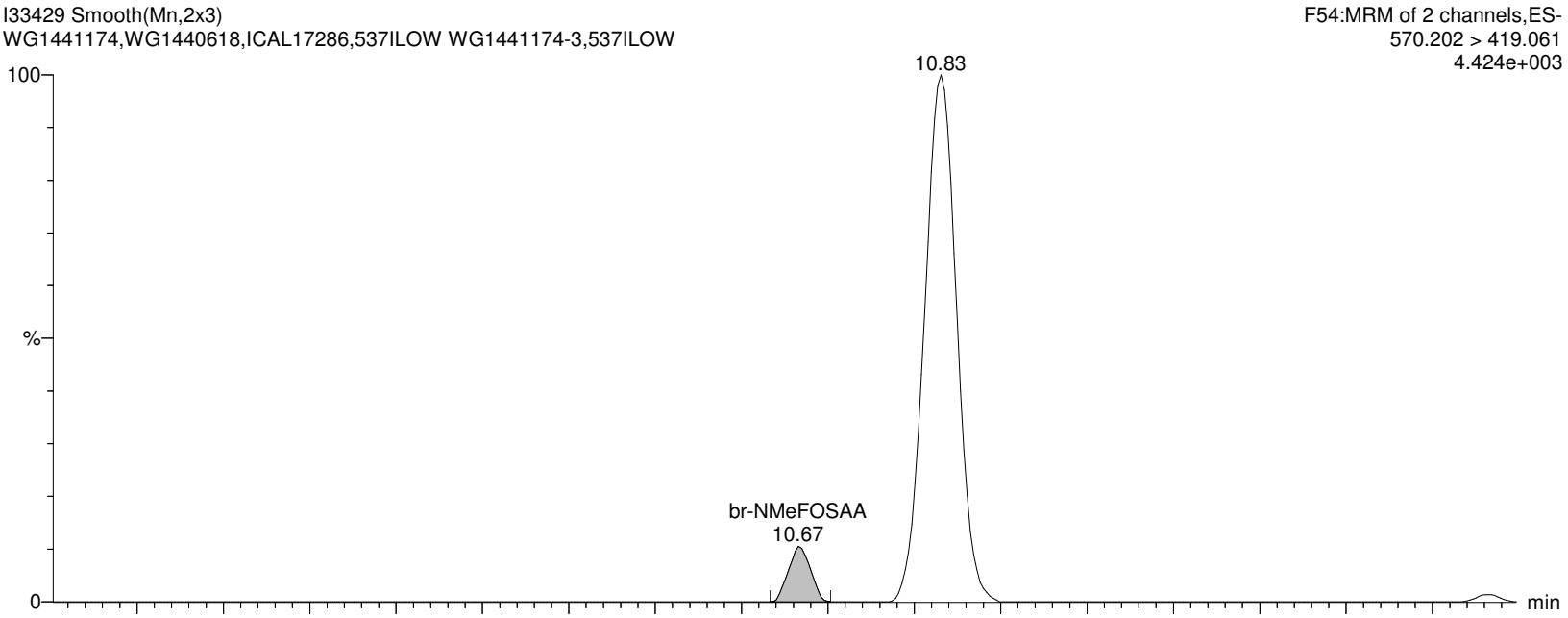

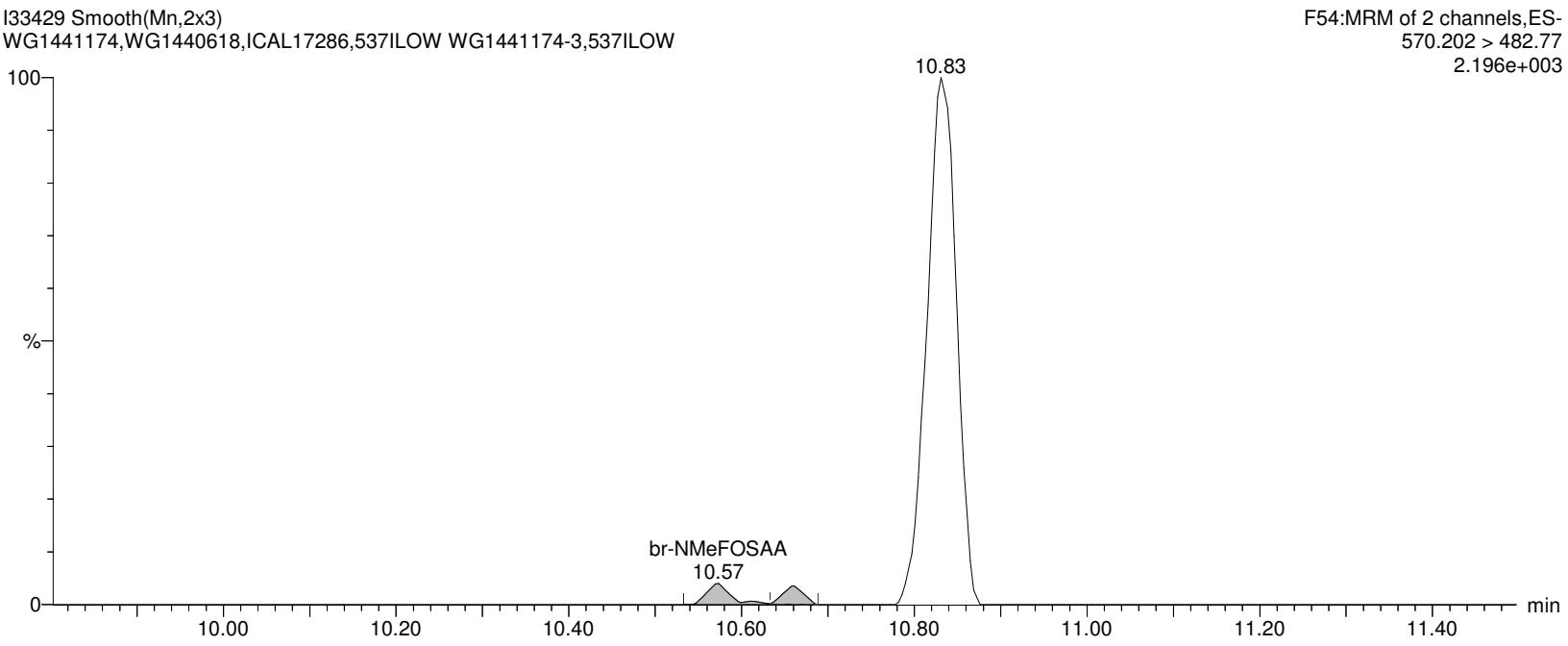

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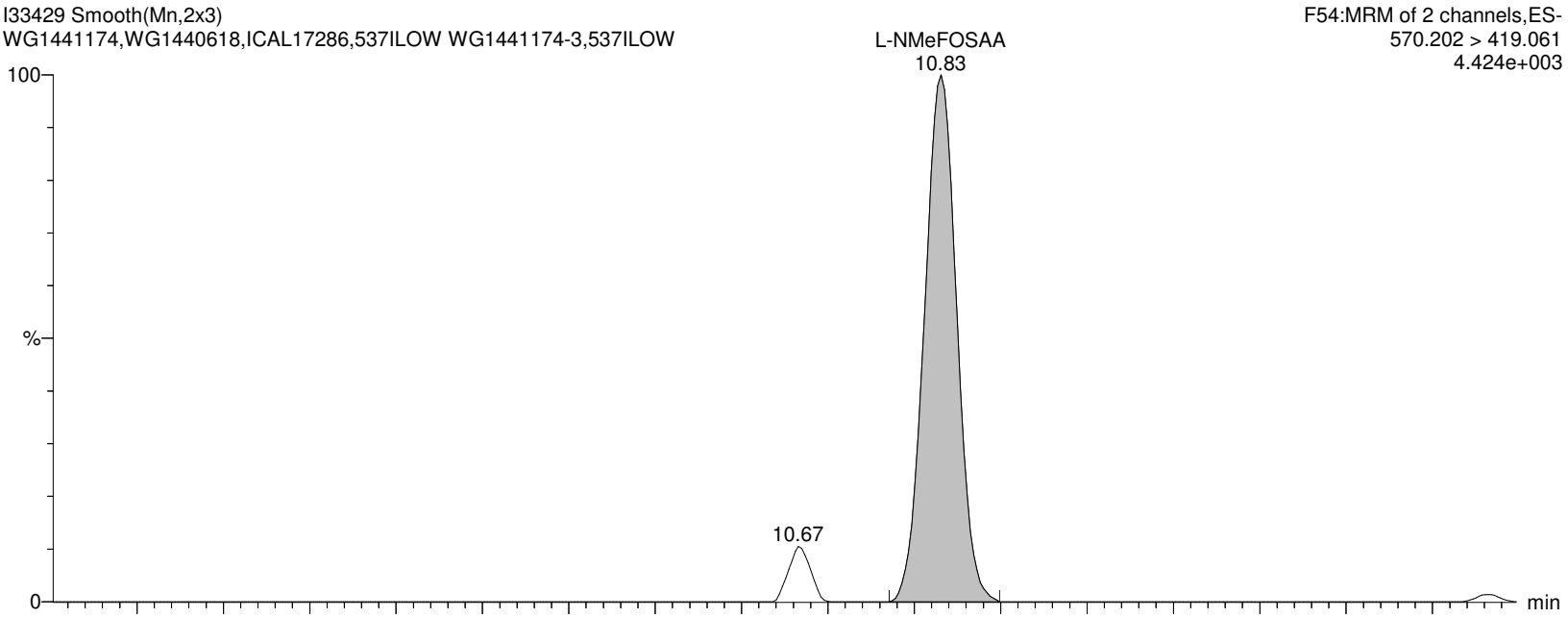

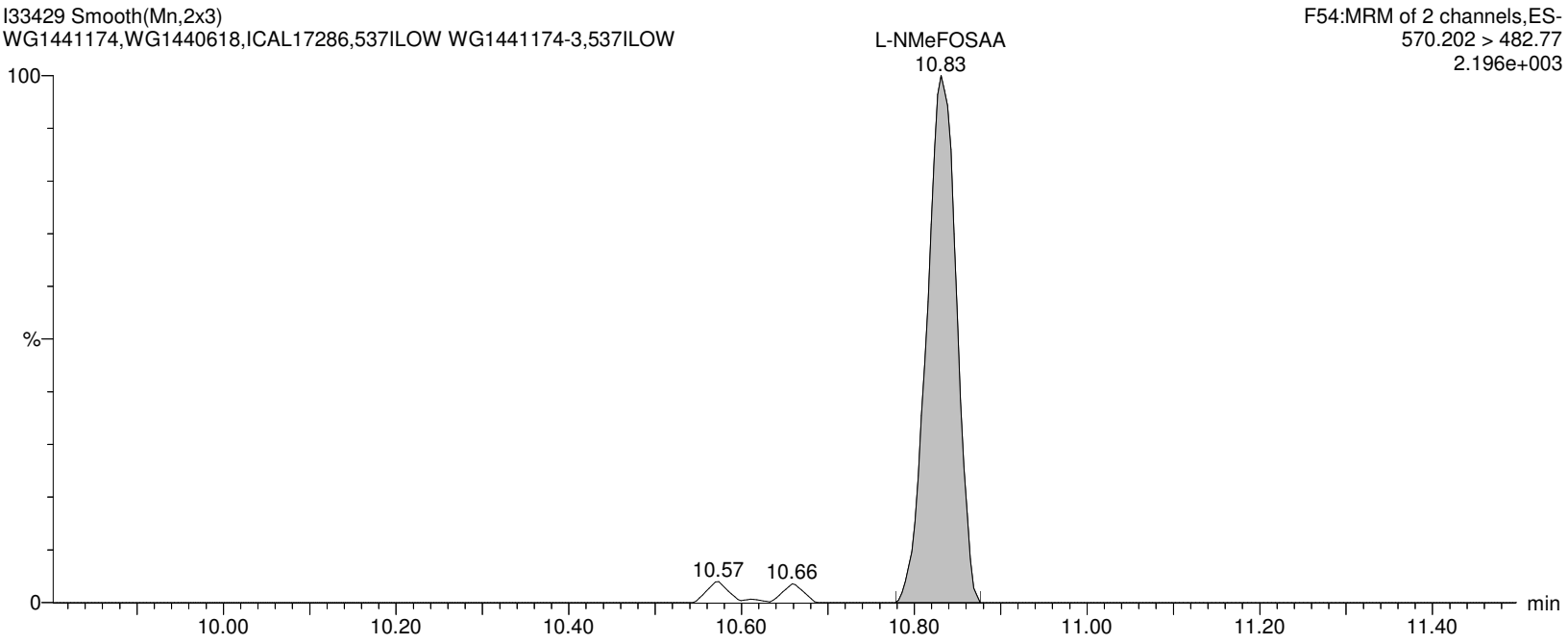

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
Last Altered: Sunday, December 06, 2020 22:56:32 Eastern Standard Time
Printed: Sunday, December 06, 2020 22:59:57 Eastern Standard Time

Name: I33429
ID: WG1441174-3,537ILOW
Date: 04-Dec-2020
Time: 19:31:04
Description: WG1441174,WG1440618,ICAL17286,537ILOW
User: LCMS02:JW
Vial: 1:A,2
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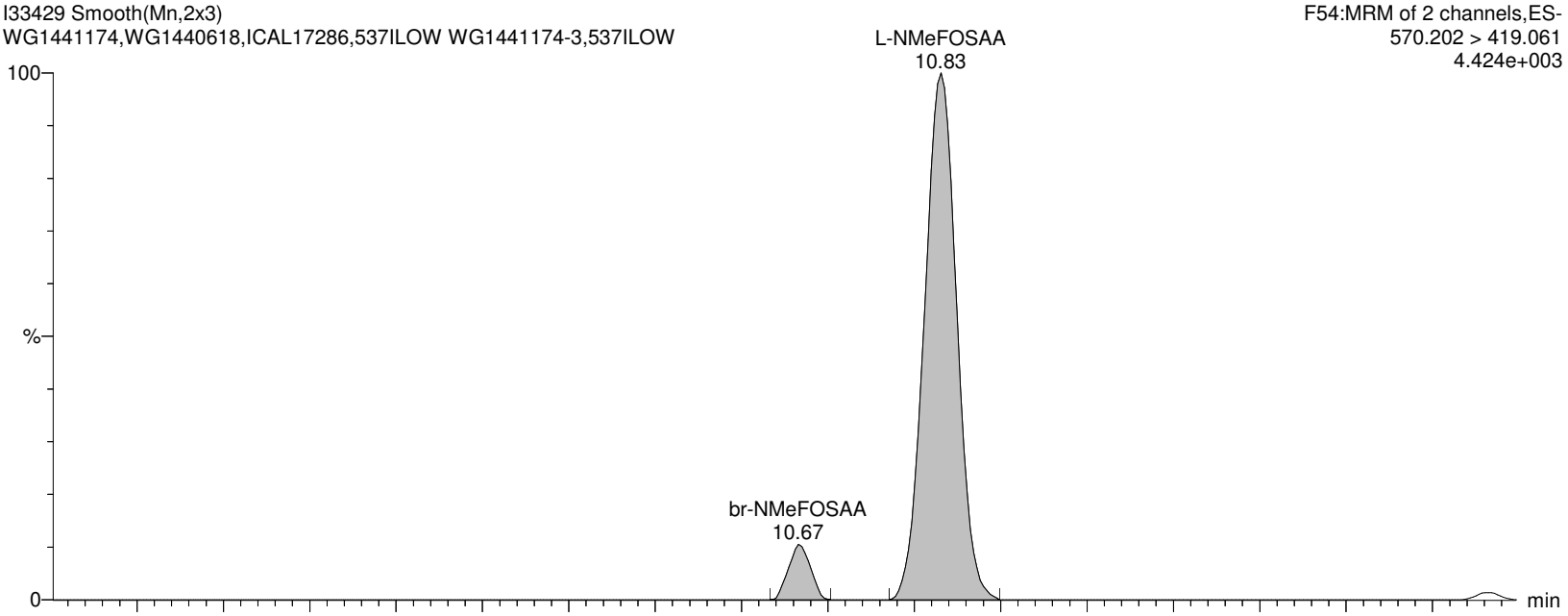

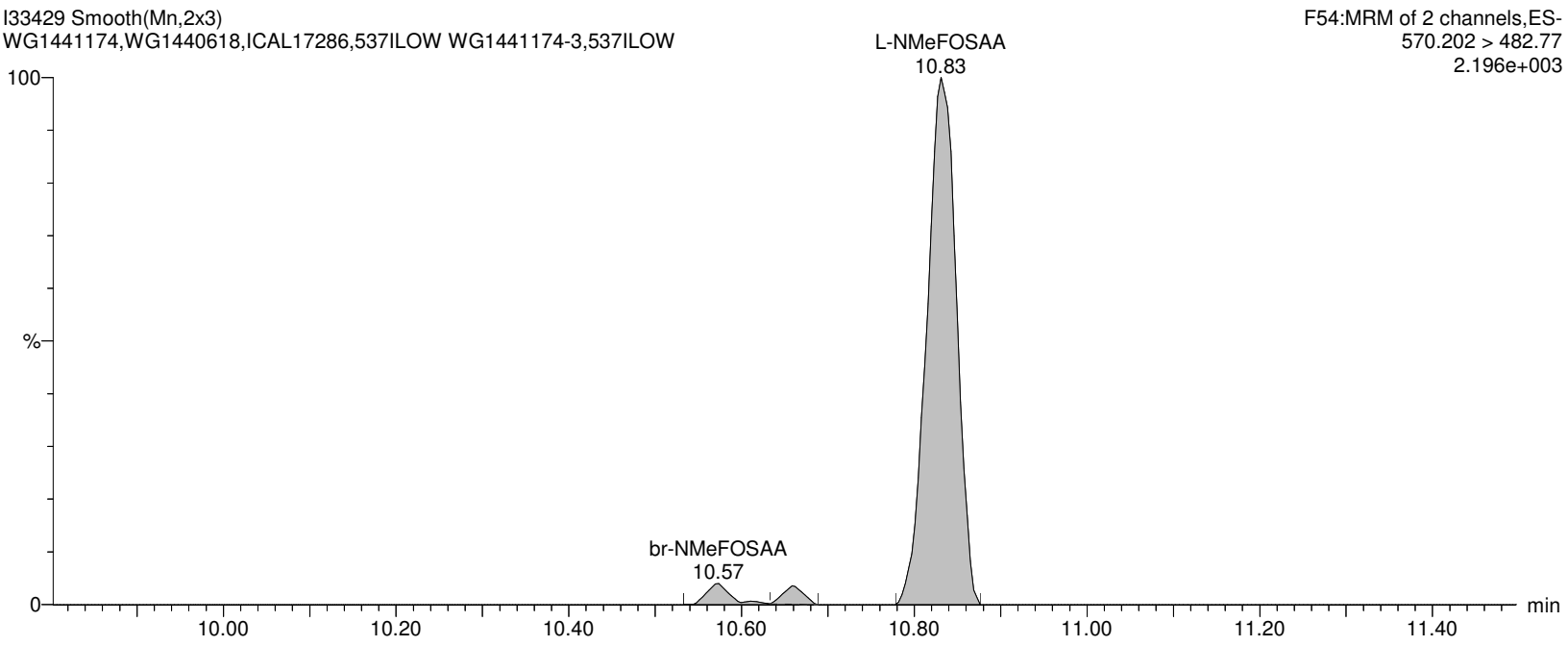

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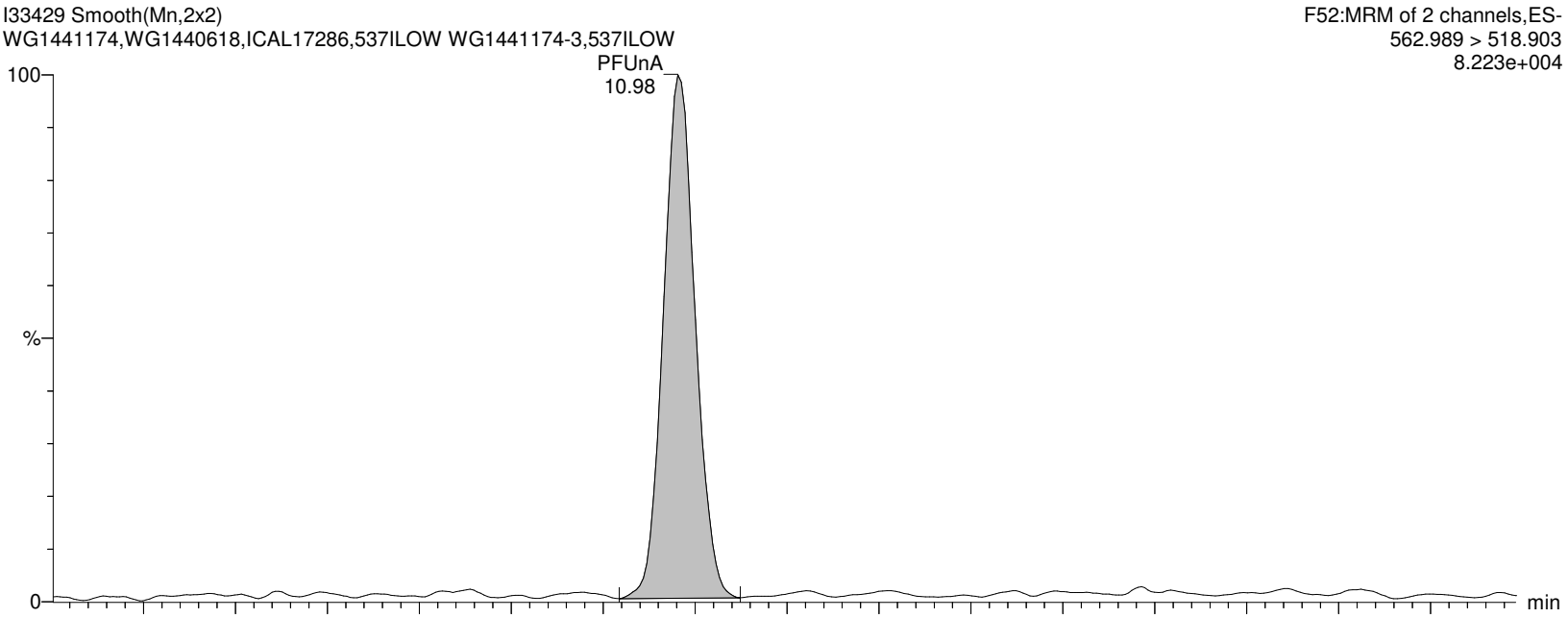

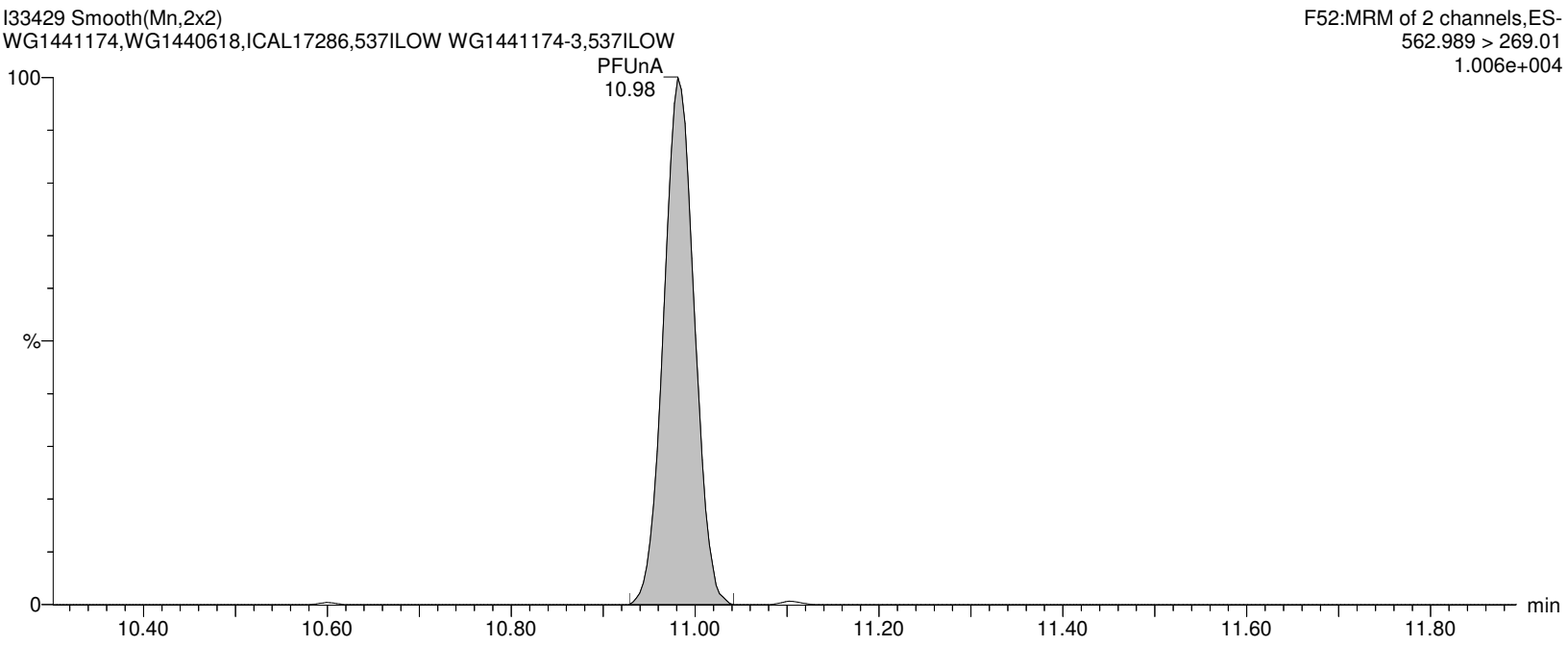

all concentration units in (ng/mL)

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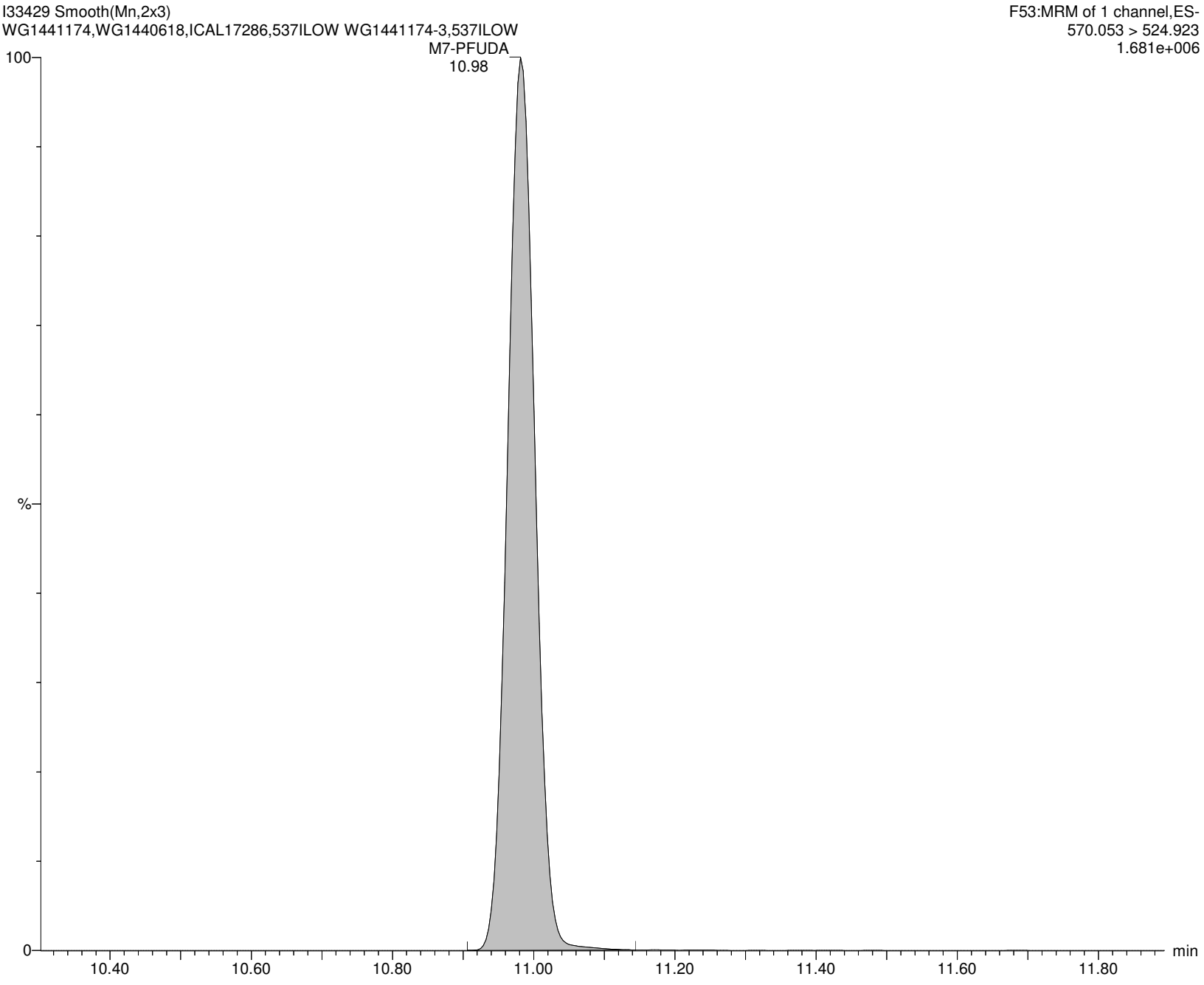

all concentration units in (ng/mL)

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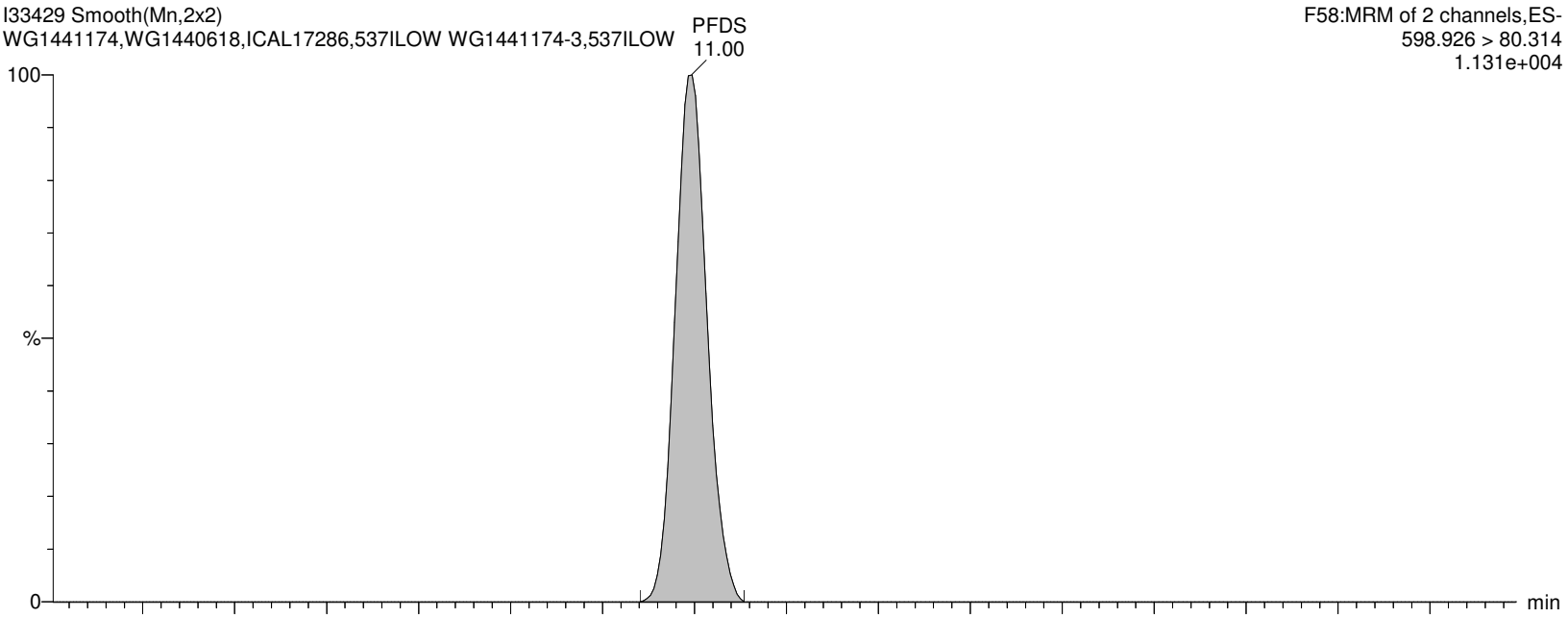

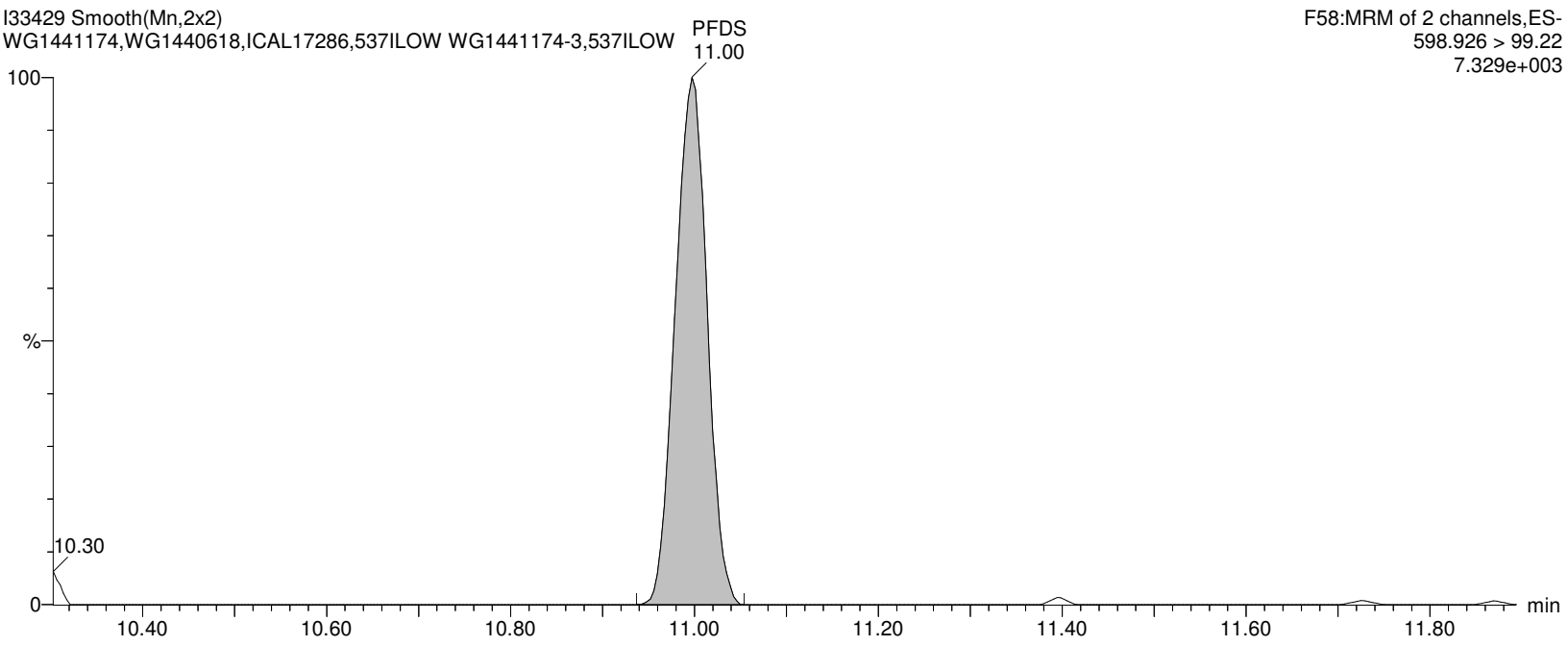

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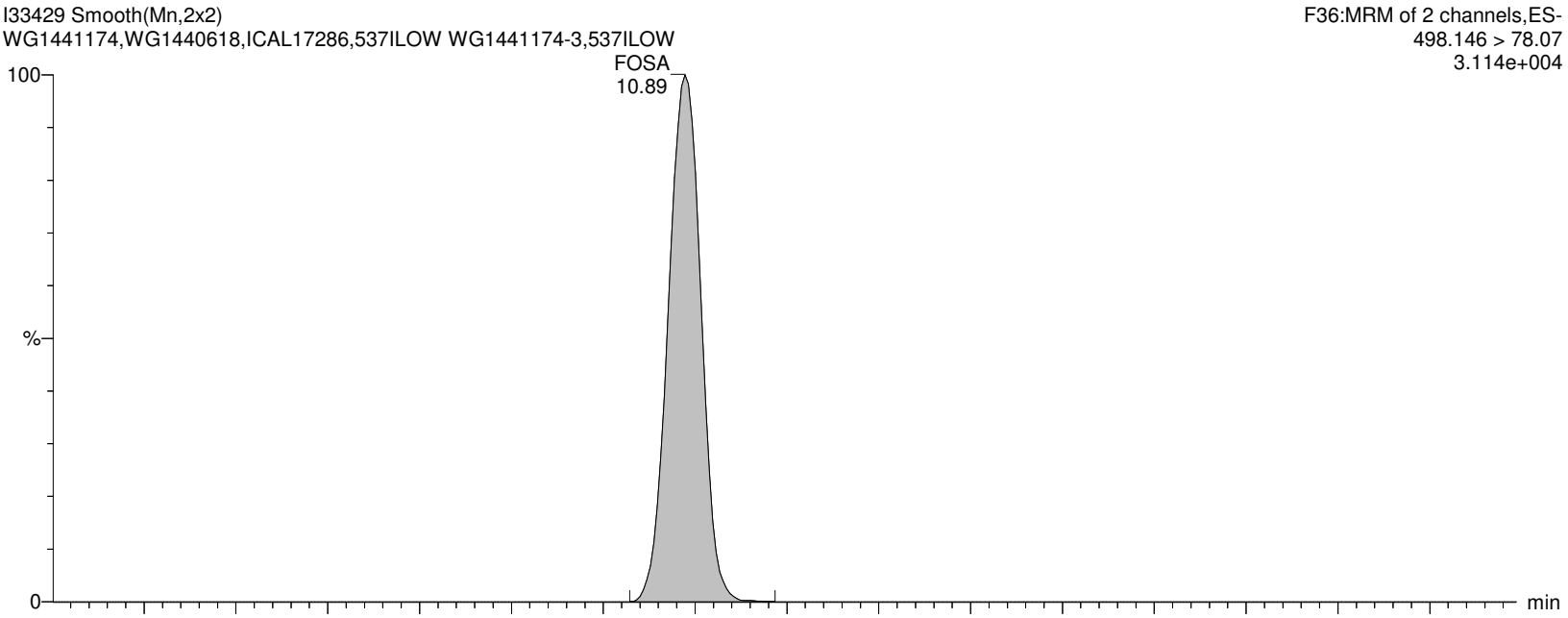

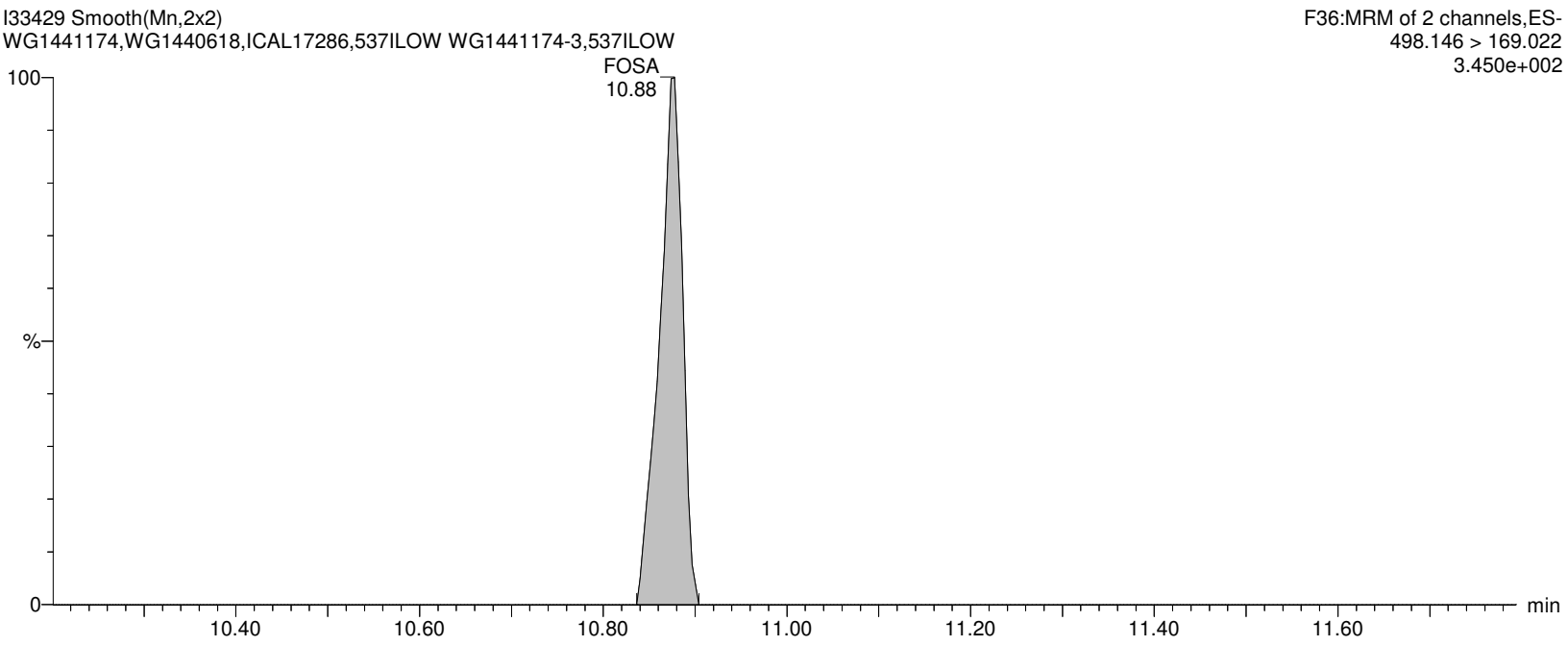

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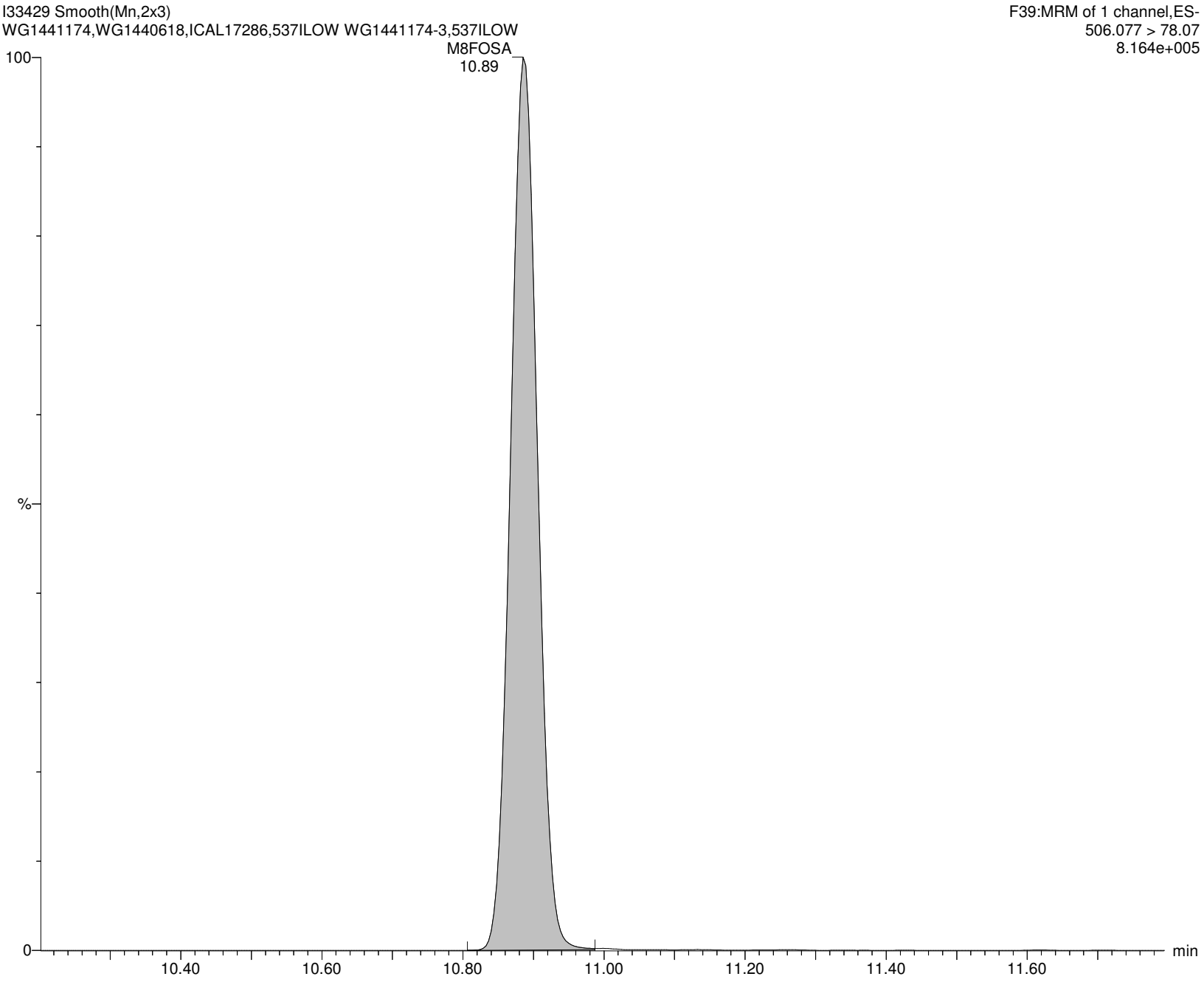

all concentration units in (ng/mL)

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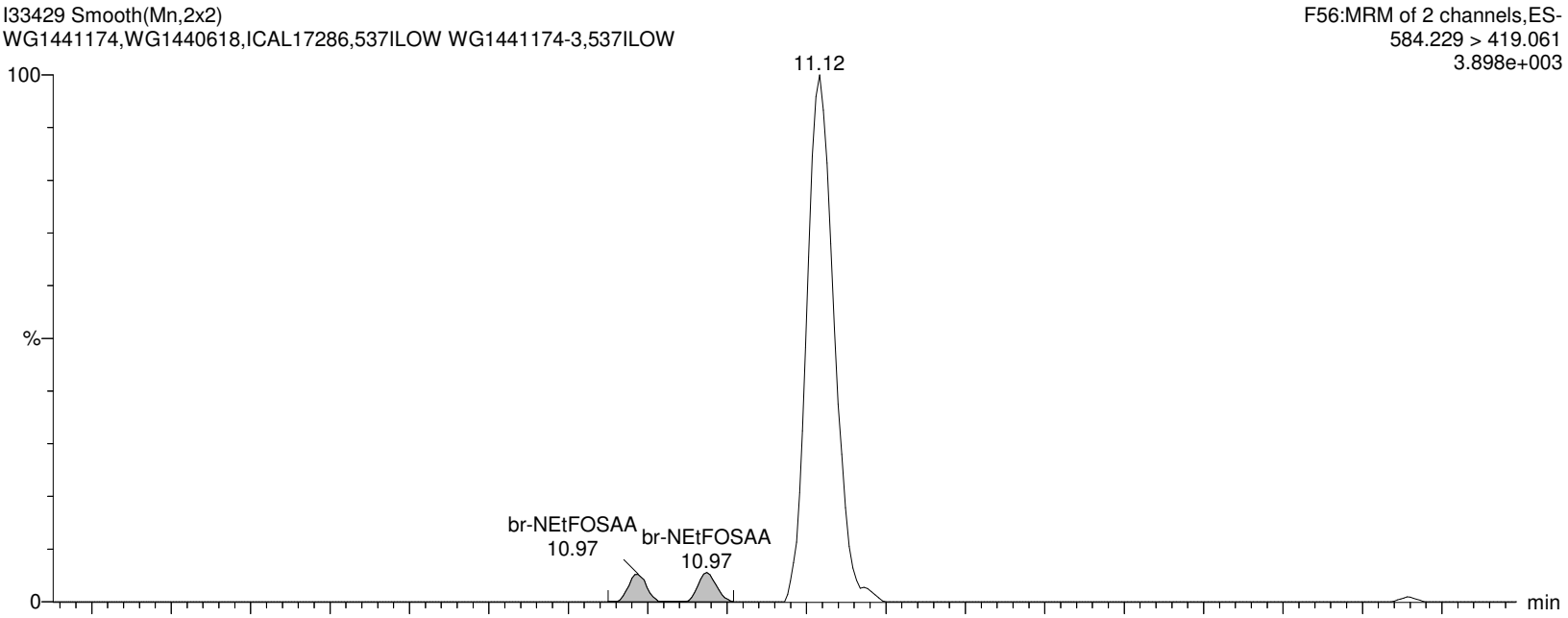

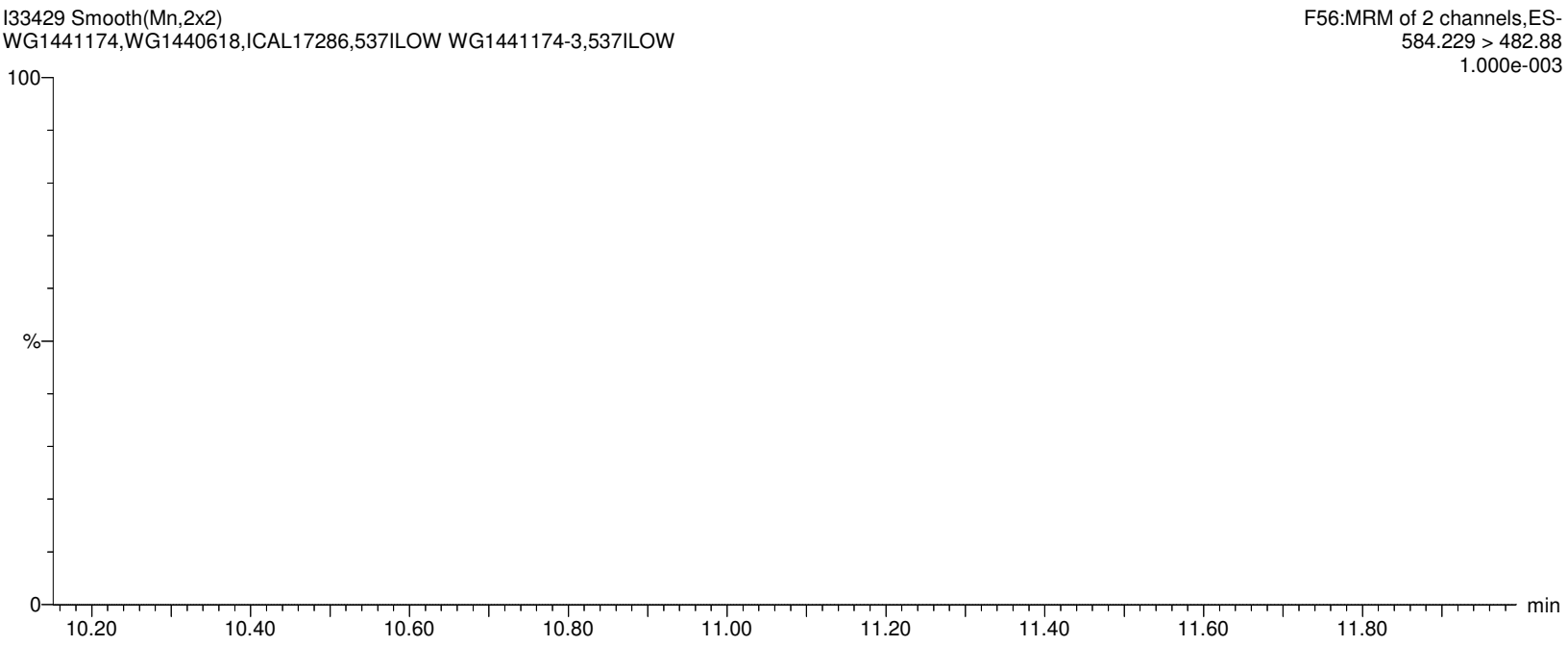

all concentration units in (ng/mL)

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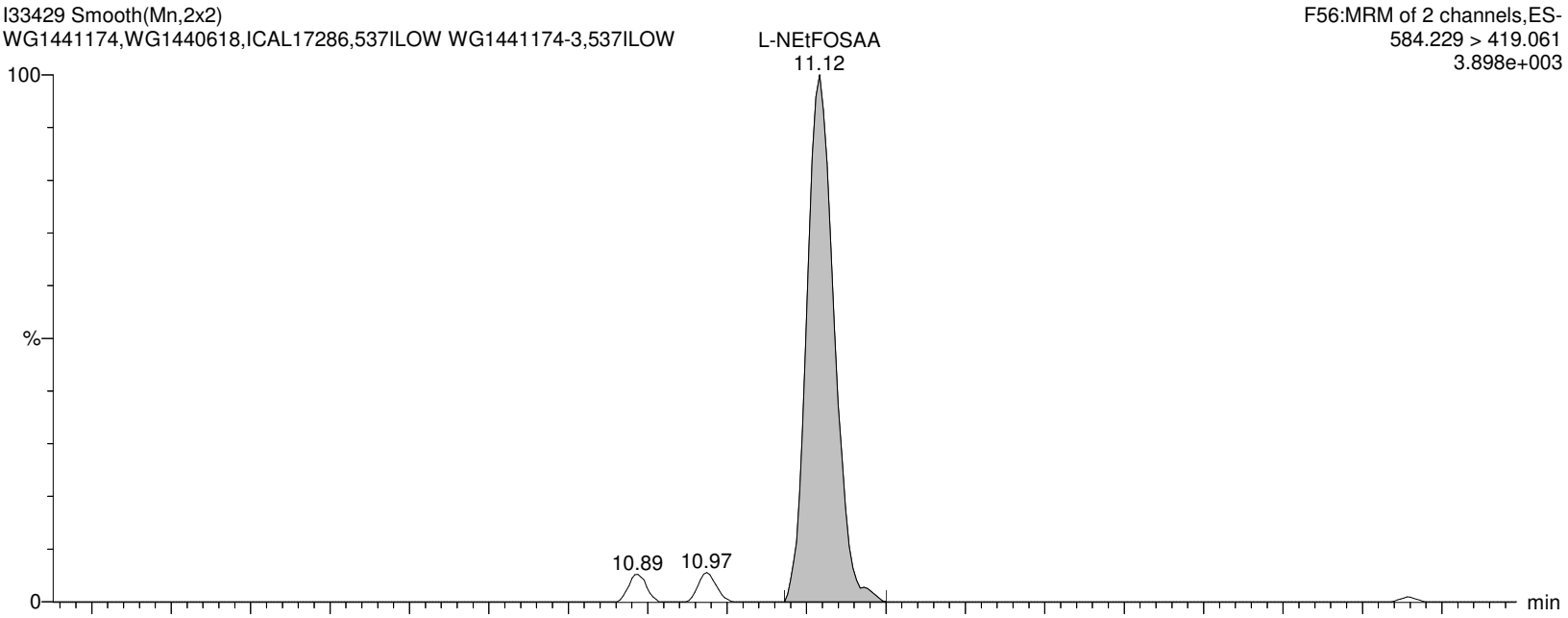

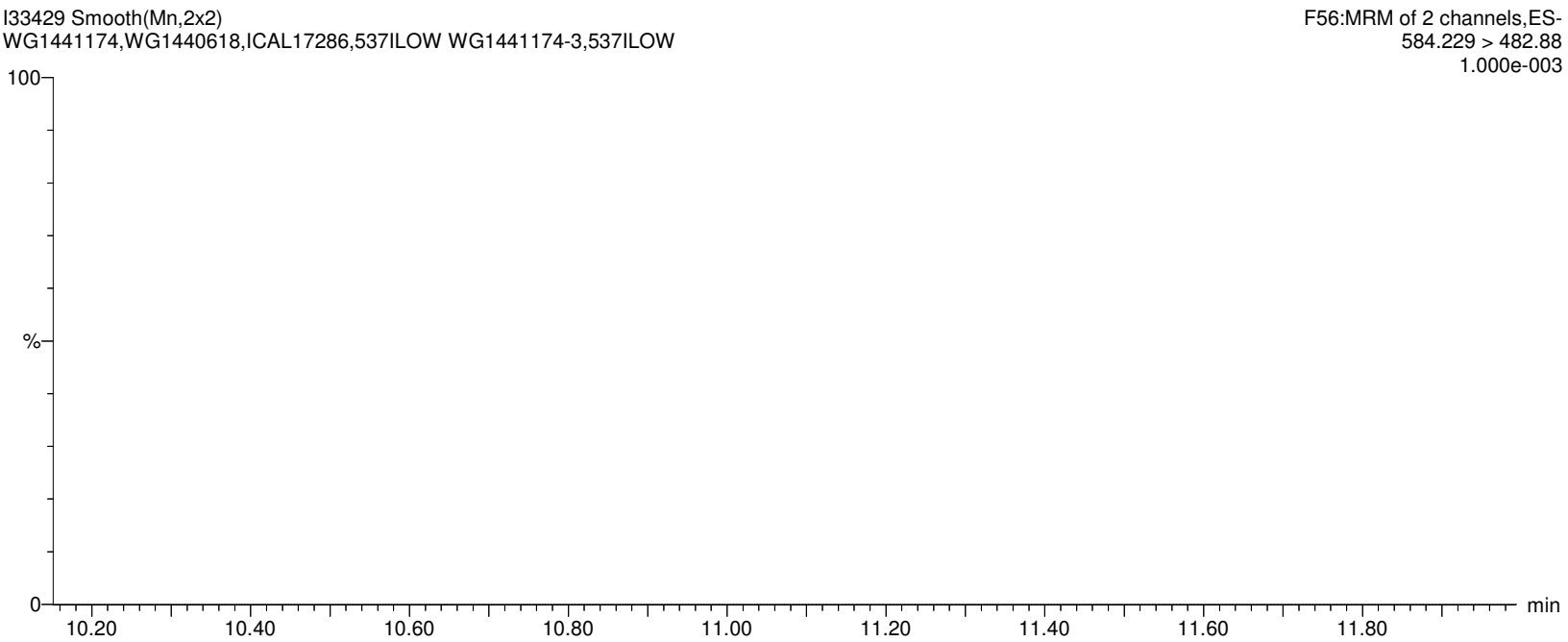

all concentration units in (ng/mL)

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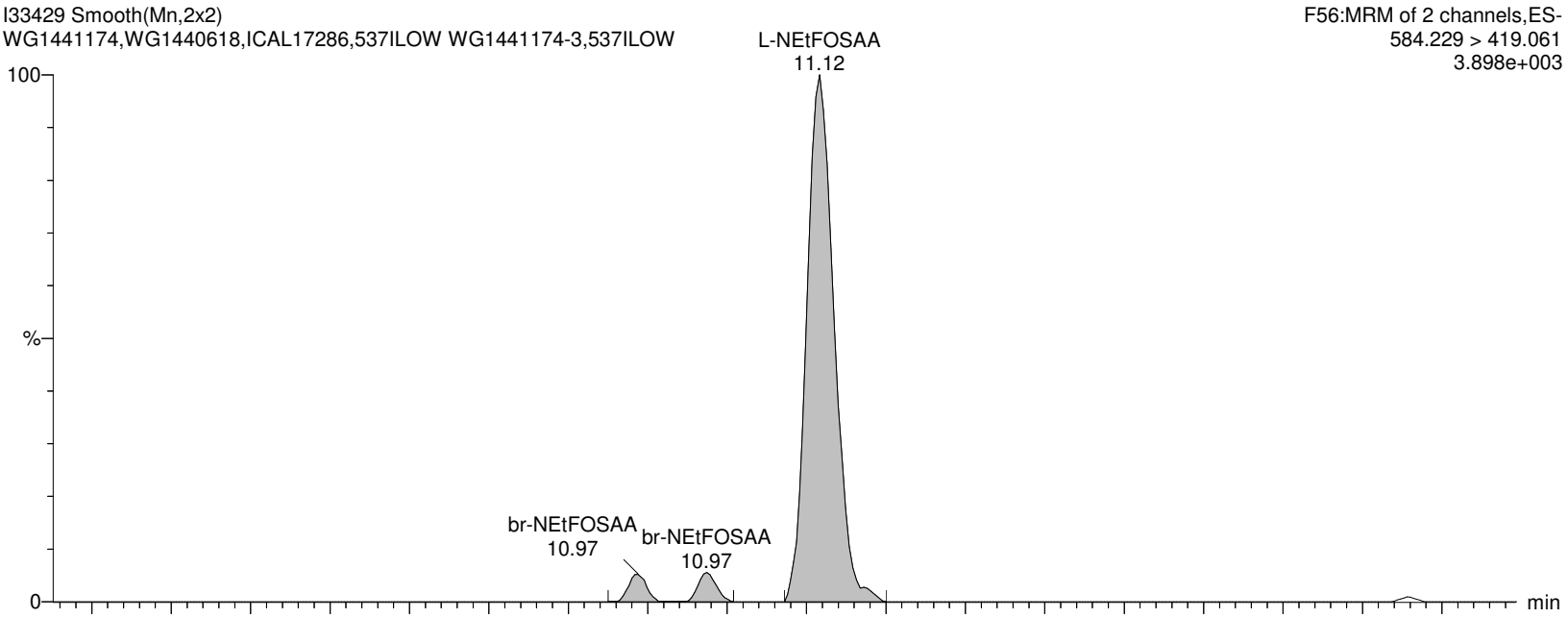

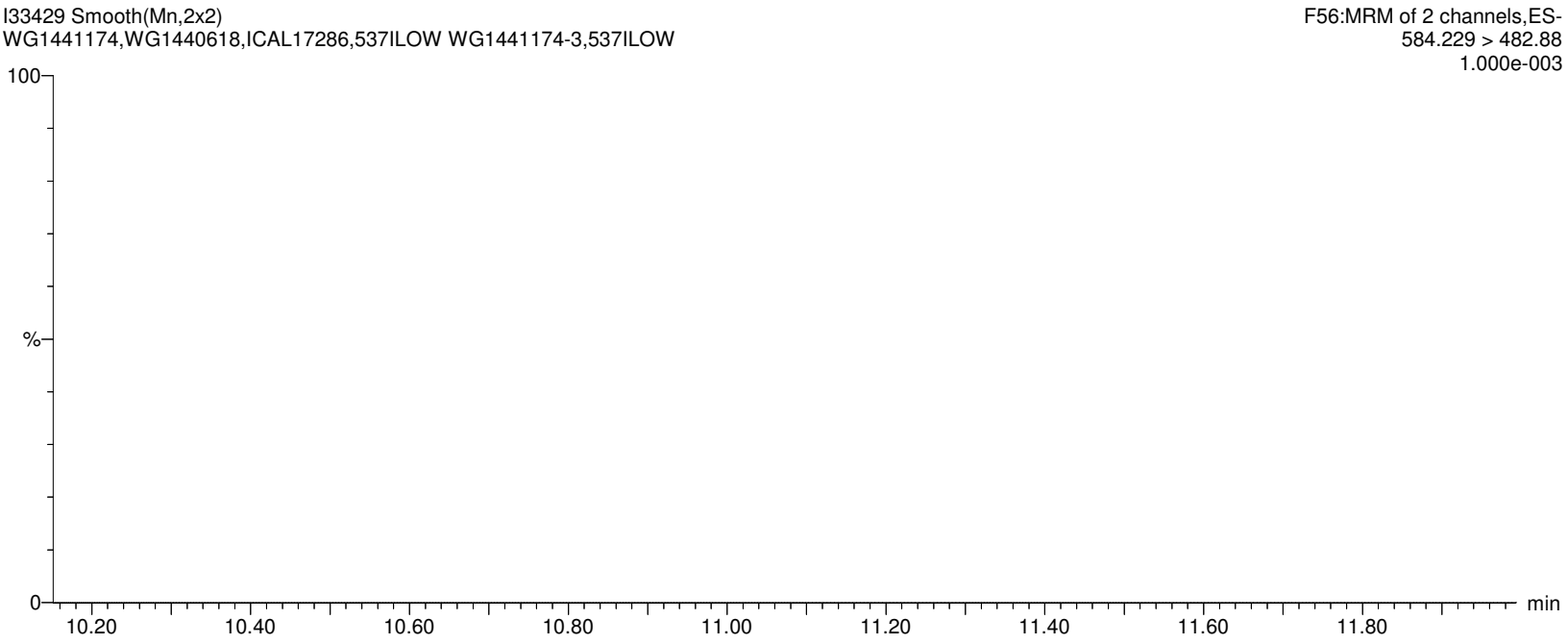

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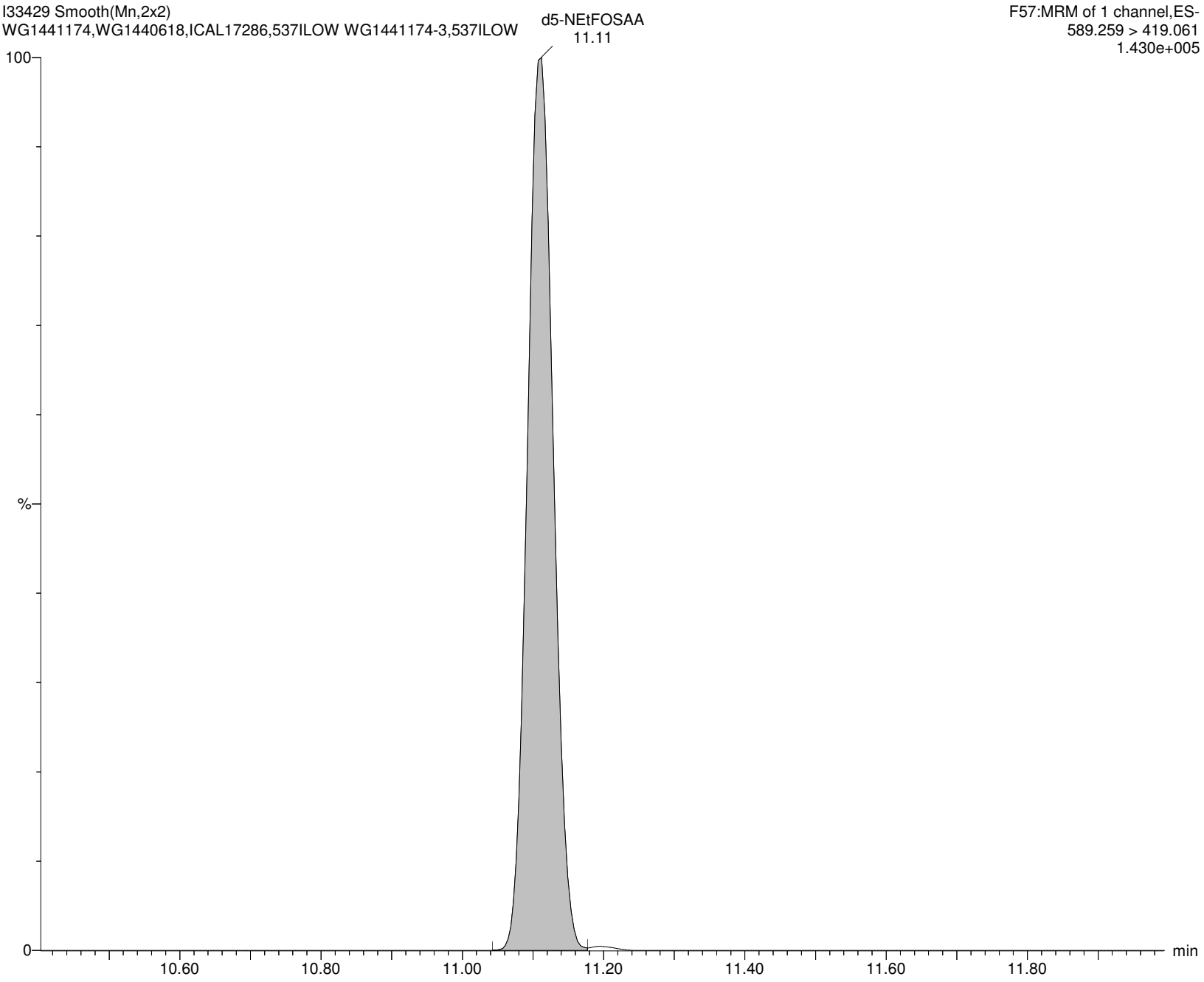

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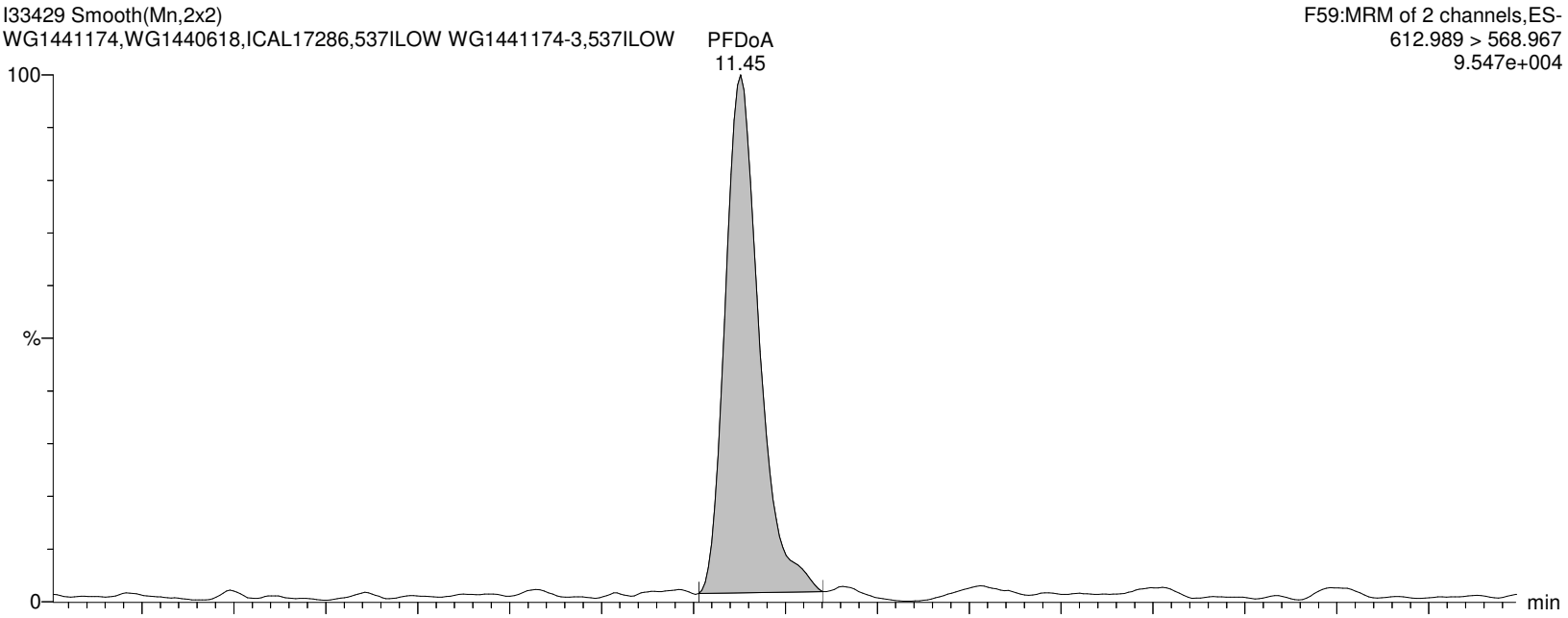

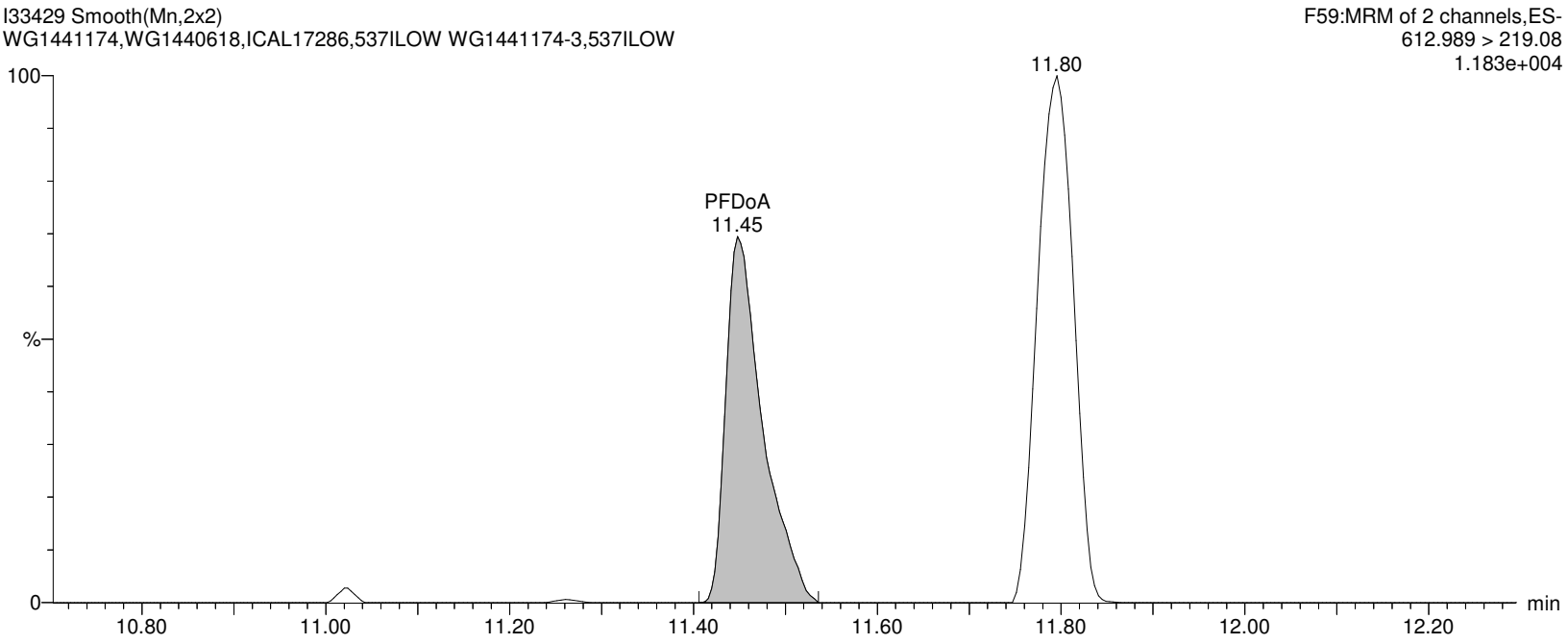

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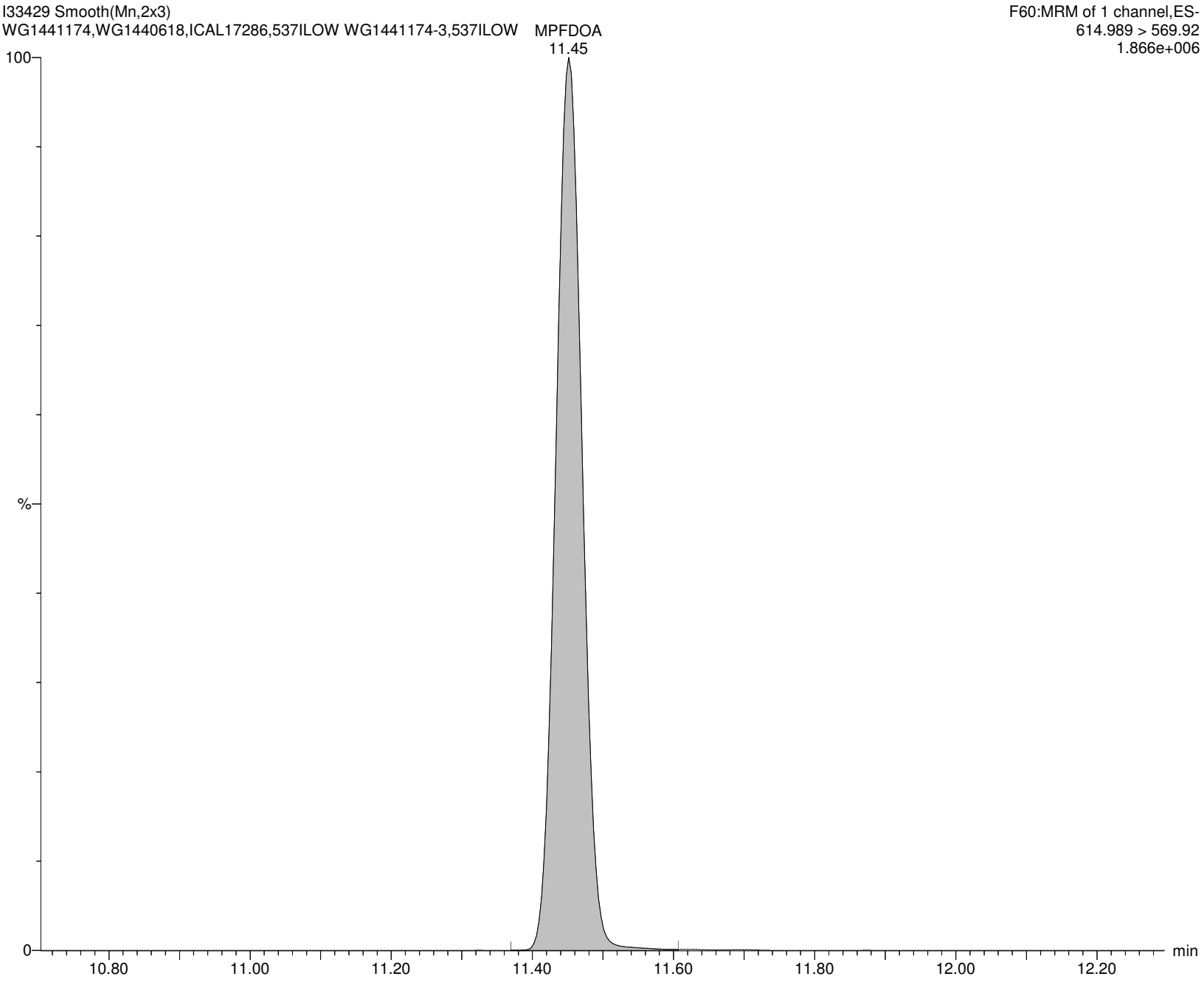

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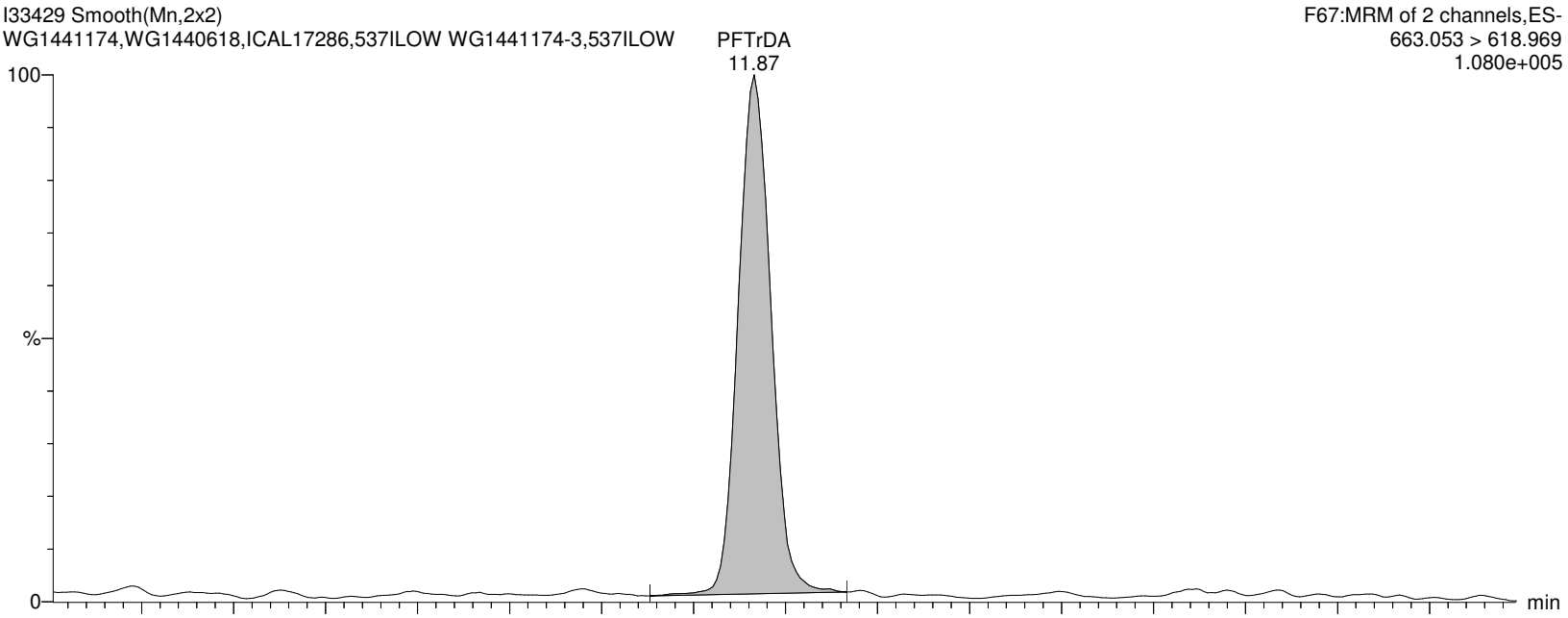

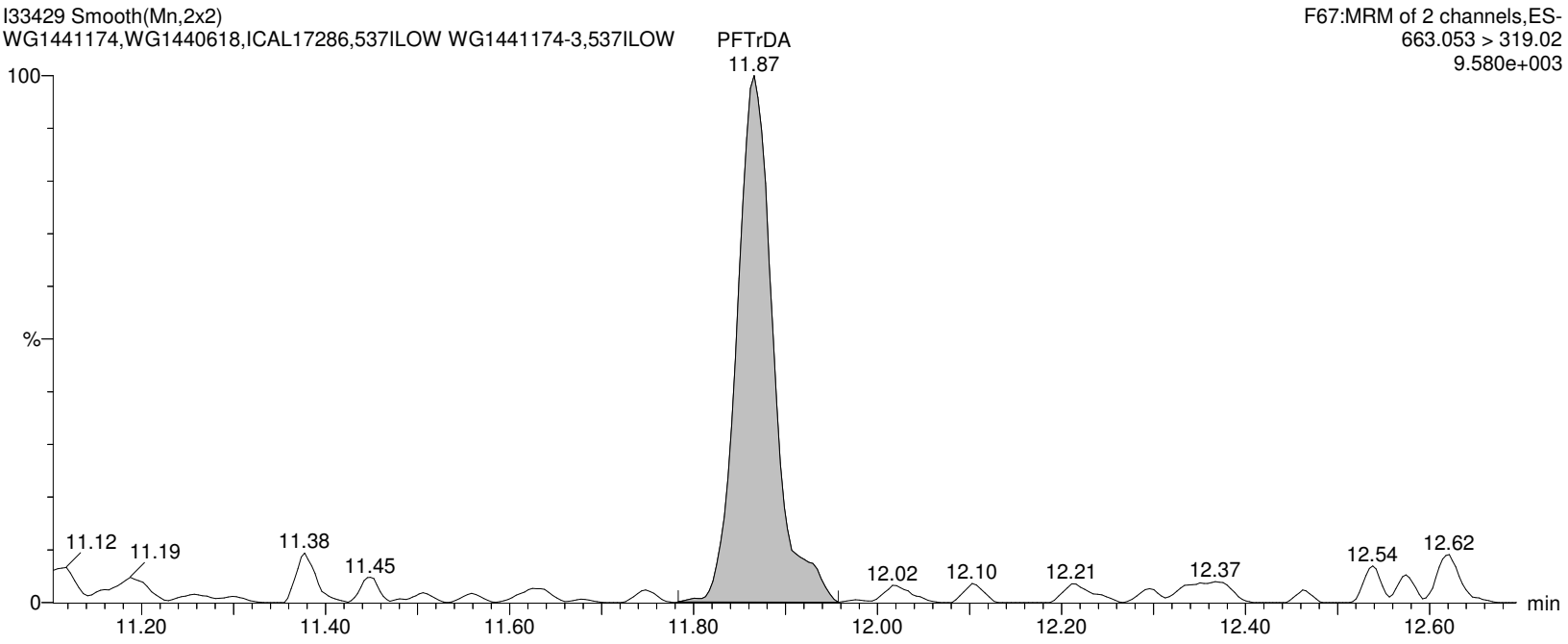

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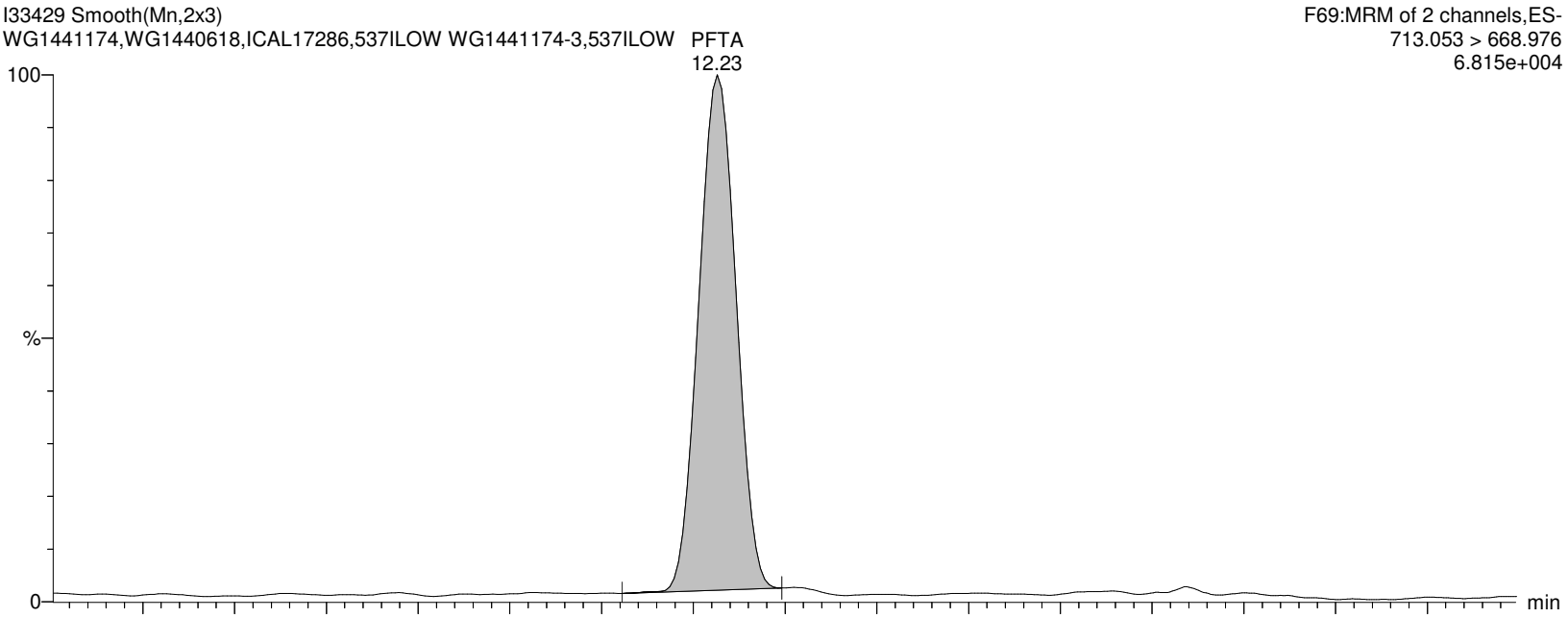

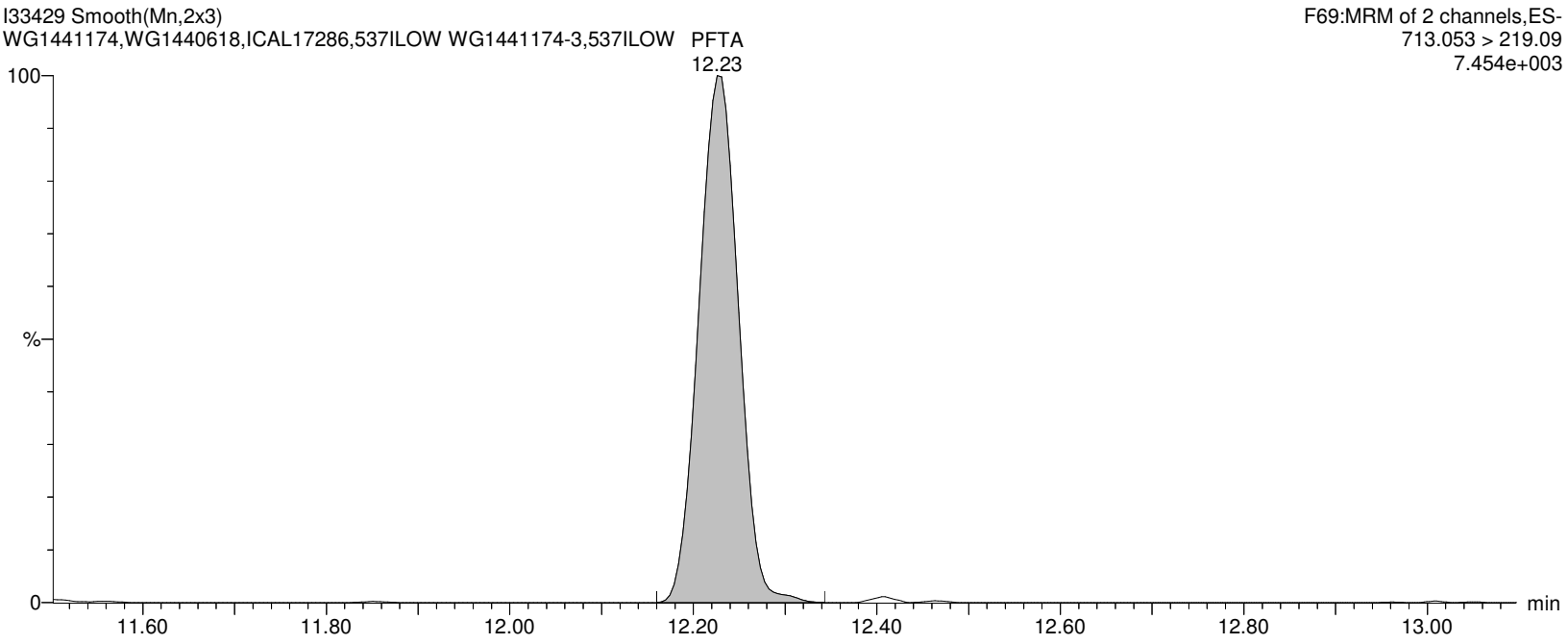

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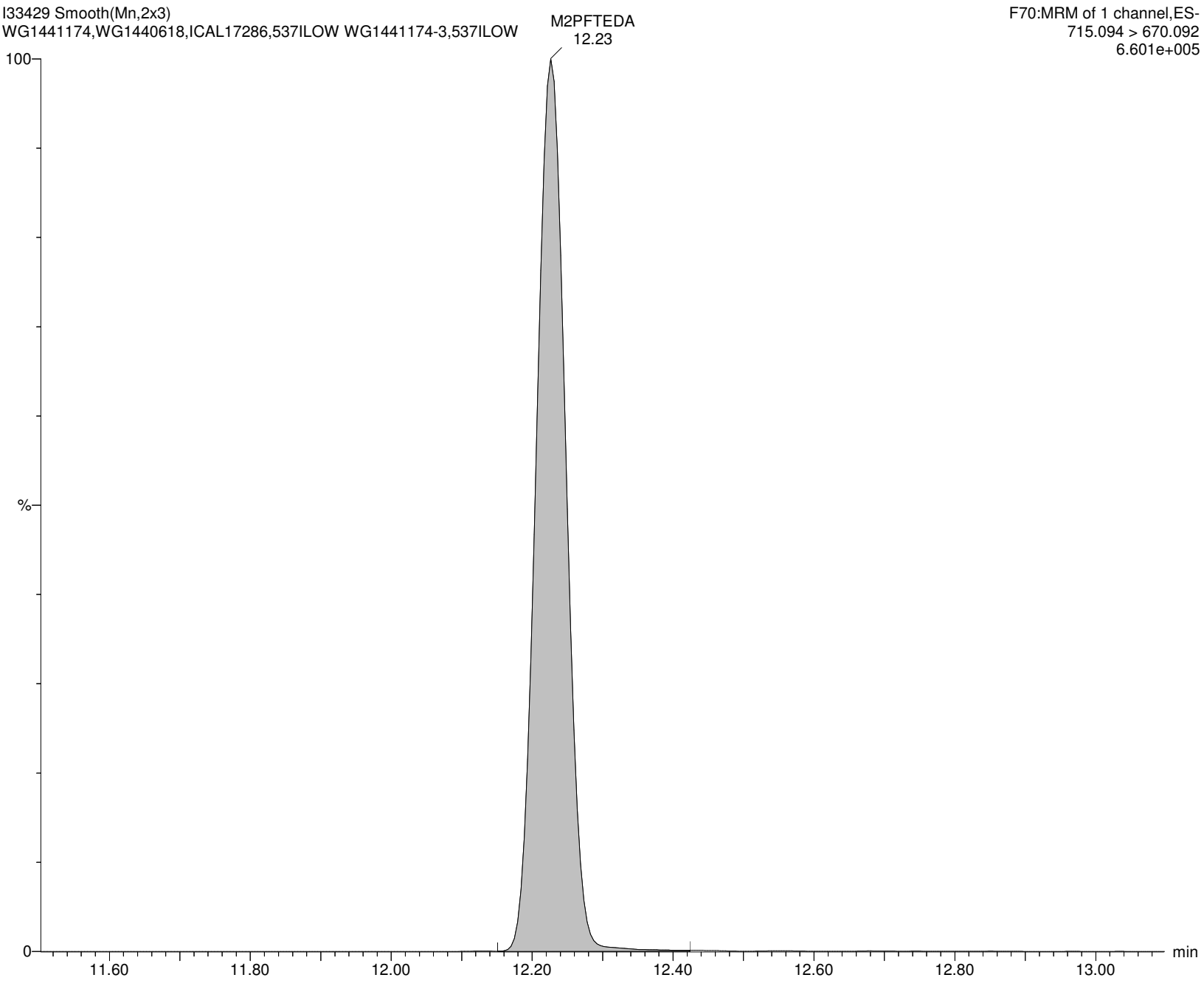
ID: WG1441174-3,537ILOW
Date: 04-Dec-2020
Time: 19:31:04
Description: WG1441174,WG1440618,ICAL17286,537ILOW
User: LCMS02:JW
Vial: 1:A,2
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\200520_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

M2PFTEDA



all concentration units in (ng/mL)

Semivolatiles Raw QC Data

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
Last Altered: Sunday, December 06, 2020 22:56:32 Eastern Standard Time
Printed: Sunday, December 06, 2020 22:59:35 Eastern Standard Time

Method: C:\MassLynx\Data\2020\201204_537ISO.PRO\MethDB\537ISO_Q_201027_TOP_RT.mdb 06 Nov 2020 07:37:19
Calibration: C:\MassLynx\Data\2020\201204_537ISO.PRO\CurveDB\201027_ISO_ICAL.cdb 28 Oct 2020 09:14:48

ID: WG1440618-1
Name: I33418
Date: 04-Dec-2020
Time: 16:28:57
Description: WG1441174,WG1440618,ICAL17286
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:JW
Inlet Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\200520_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4	2.17	212.926 > 169.111	90	m4	0.033		na	
2	M3PFBA	INT STD	2.16	215.926 > 172.122	31367		10.680		na	106.8
3	MPFBA	INT STD	2.16	216.926 > 172.137	35565		9.378		na	93.8
4	PFPeA	2706-90-3		262.926 > 219.002			ND		na	
5	M5PFPEA	INT STD	4.98	267.989 > 223.081	56199		11.509		na	115.1
6	PFBS	375-73-5		298.926 > 79.923			ND		YES	
7	M3PFBS	INT STD	5.61	301.989 > 80.254	9297		10.029		na	100.3
8	4:2FTS	757124-72-4		326.926 > 306.957			ND		YES	
9	M2-4:2FTS	INT STD	6.76	329.117 > 309.079	3913		11.520		na	115.2
10	PFHxA	307-24-4	6.84	312.989 > 269.028	556	m4,m7	0.110	36.89	YES	
11	M5PFHxA	INT STD	6.84	317.989 > 273.045	55484		9.970		na	99.7
12	PFPeS	2706-91-4		348.926 > 80.251			ND		YES	
13	PFHpA	375-85-9		362.926 > 319.014			ND		YES	
14	M4PFHpA	INT STD	8.11	366.926 > 321.979	74439		10.660		na	106.6
15	br-PFHxS	355-46-4		398.926 > 80.295			ND		YES	
16	L-PFHxS	355-46-4		398.926 > 80.295			ND		YES	
17	PFHxS	355-46-4		398.926 > 80.295	0		ND		na	
18	M3PFHxS	INT STD	8.27	401.926 > 80.317	8960		10.922		na	109.2
19	br-PFOA	335-67-1		412.989 > 368.9			ND		YES	
20	L-PFOA	335-67-1		412.989 > 368.9			ND		YES	
21	M2PFOA	INT STD	9.05	415.032 > 369.968	85676		13.718		na	137.2
22	PFOA	335-67-1		412.989 > 368.9	0		ND		na	
23	M8PFOA	INT STD	9.05	420.989 > 375.979	95448		10.146		na	101.5
24	6:2FTS	27619-97-2		427.161 > 407.155			ND		YES	
25	M2-6:2FTS	INT STD	9.01	429.146 > 409.14	4741		12.774		na	127.7
26	PFHpS	375-92-8		448.926 > 80.257			ND		YES	
27	PFNA	375-95-1		462.989 > 418.931			ND		YES	
28	M9PFNA	INT STD	9.82	472.053 > 426.947	38215		10.607		na	106.1
29	br-PFOS	1763-23-1		498.989 > 80.294			ND		YES	
30	L-PFOS	1763-23-1		498.989 > 80.294			ND		YES	
31	PFOS	1763-23-1		498.989 > 80.294	0		ND		na	
32	M4PFOS	INT STD	9.87	503.032 > 80.306	7575		10.139		na	101.4
33	M8PFOS	INT STD	9.87	507.053 > 80.294	9327		9.855		na	98.6
34	PFDA	335-76-2		513.053 > 468.906			ND		YES	
35	M2PFDA	INT STD	10.45	515.053 > 469.934	72329		16.651		na	166.5
36	M6PFDA	INT STD	10.45	519.053 > 473.931	79976		10.111		na	101.1
37	8:2FTS	39108-34-4		527.177 > 507.171			ND		YES	
38	M2-8:2FTS	INT STD	10.44	529.162 > 509.155	4364		16.882		na	168.8
39	PFNS	68259-12-1		548.989 > 80.249			ND		YES	

all concentration units in (ng/mL)

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Last Altered: Sunday, December 06, 2020 22:56:32 Eastern Standard Time
Printed: Sunday, December 06, 2020 22:59:35 Eastern Standard Time

ID: WG1440618-1
Name: I33418
Date: 04-Dec-2020
Time: 16:28:57
Description: WG1441174,WG1440618,ICAL17286
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:JW
Inlet Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\200520_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.83	573.22 > 419.061	8208		9.955		na	99.5
41	br-NMeFOSAA			570.202 > 419.061			ND		YES	
42	L-NMeFOSAA			570.202 > 419.061			ND		YES	
43	NMeFOSAA	2355-31-9		570.202 > 419.061	0		ND		na	
44	PFUnA	2058-94-8		562.989 > 518.903			ND		YES	
45	M7-PFUDA	INT STD	10.99	570.053 > 524.923	74928		11.084		na	110.8
46	PFDS	335-77-3		598.926 > 80.314			ND		YES	
47	FOSA	754-91-6		498.146 > 78.07			ND		YES	
48	M8FOSA	INT STD	10.89	506.077 > 78.07	6455		1.234		na	12.3
49	br-NEtFOSAA			584.229 > 419.061			ND		YES	
50	L-NEtFOSAA			584.229 > 419.061			ND		YES	
51	NEtFOSAA	2991-50-6		584.229 > 419.061	0		ND		na	
52	d5-NEtFOSAA	INT STD	11.12	589.259 > 419.061	5442		8.276		na	82.8
53	PFDoA	307-55-1		612.989 > 568.967			ND		YES	
54	MPFDOA	INT STD	11.46	614.989 > 569.92	86506		11.392		na	113.9
55	PFTrDA	72629-94-8		663.053 > 618.969			ND		YES	
56	PFTA	376-06-7		713.053 > 668.976			ND		YES	
57	M2PFTEDA	INT STD	12.23	715.094 > 670.092	27798		7.455		na	74.5

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Date: 04-Dec-2020
Time: 16:28:57
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User: LCMS02:JW
Vial: 1:C,8
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\200520_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

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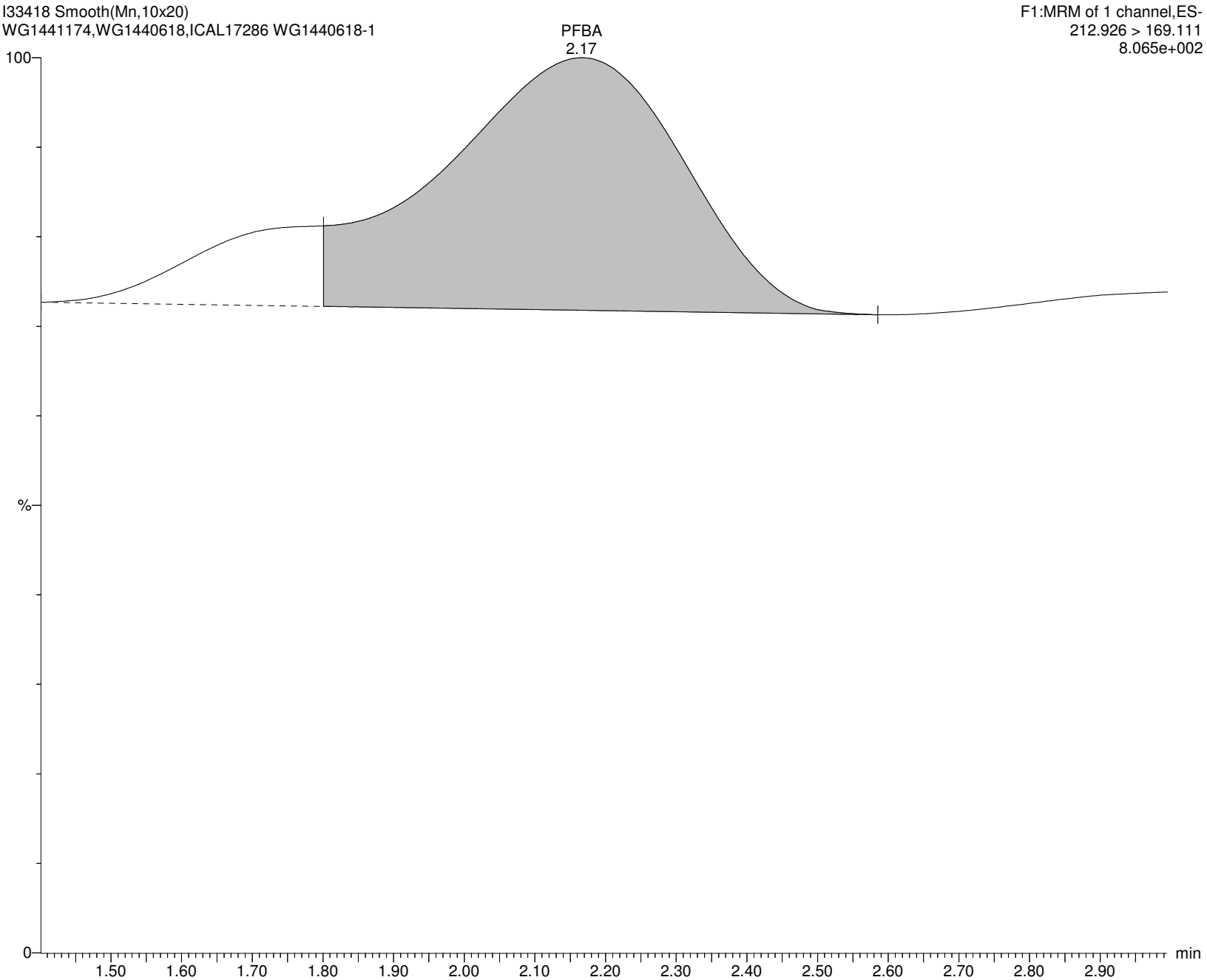

all concentration units in (ng/mL)

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Last Altered: Sunday, December 06, 2020 22:56:32 Eastern Standard Time
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Description: WG1441174,WG1440618,ICAL17286
User: LCMS02:JW
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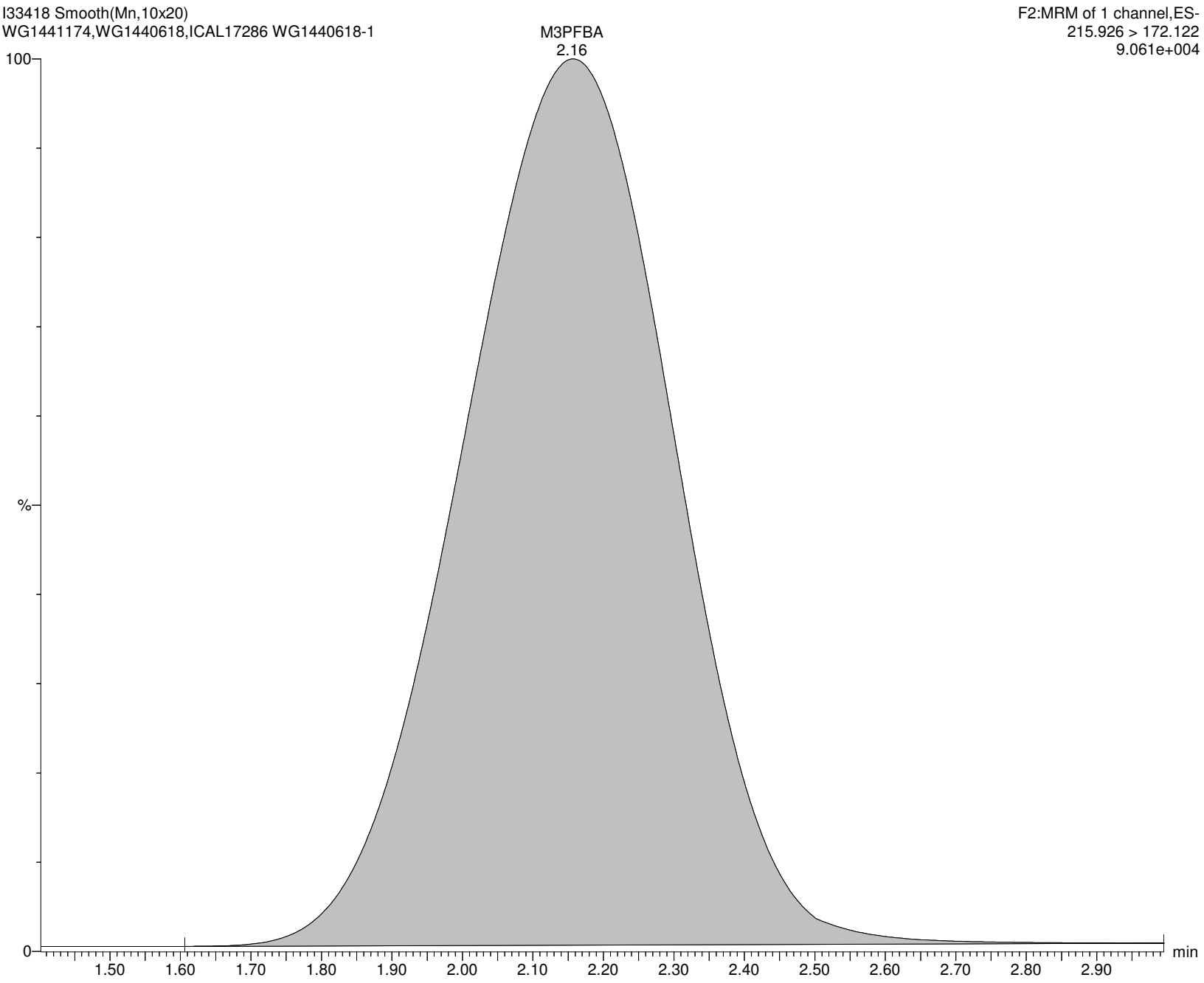

all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Sunday, December 06, 2020 22:56:32 Eastern Standard Time
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Name: I33418
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Description: WG1441174,WG1440618,ICAL17286
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Vial: 1:C,8
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Inlet Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
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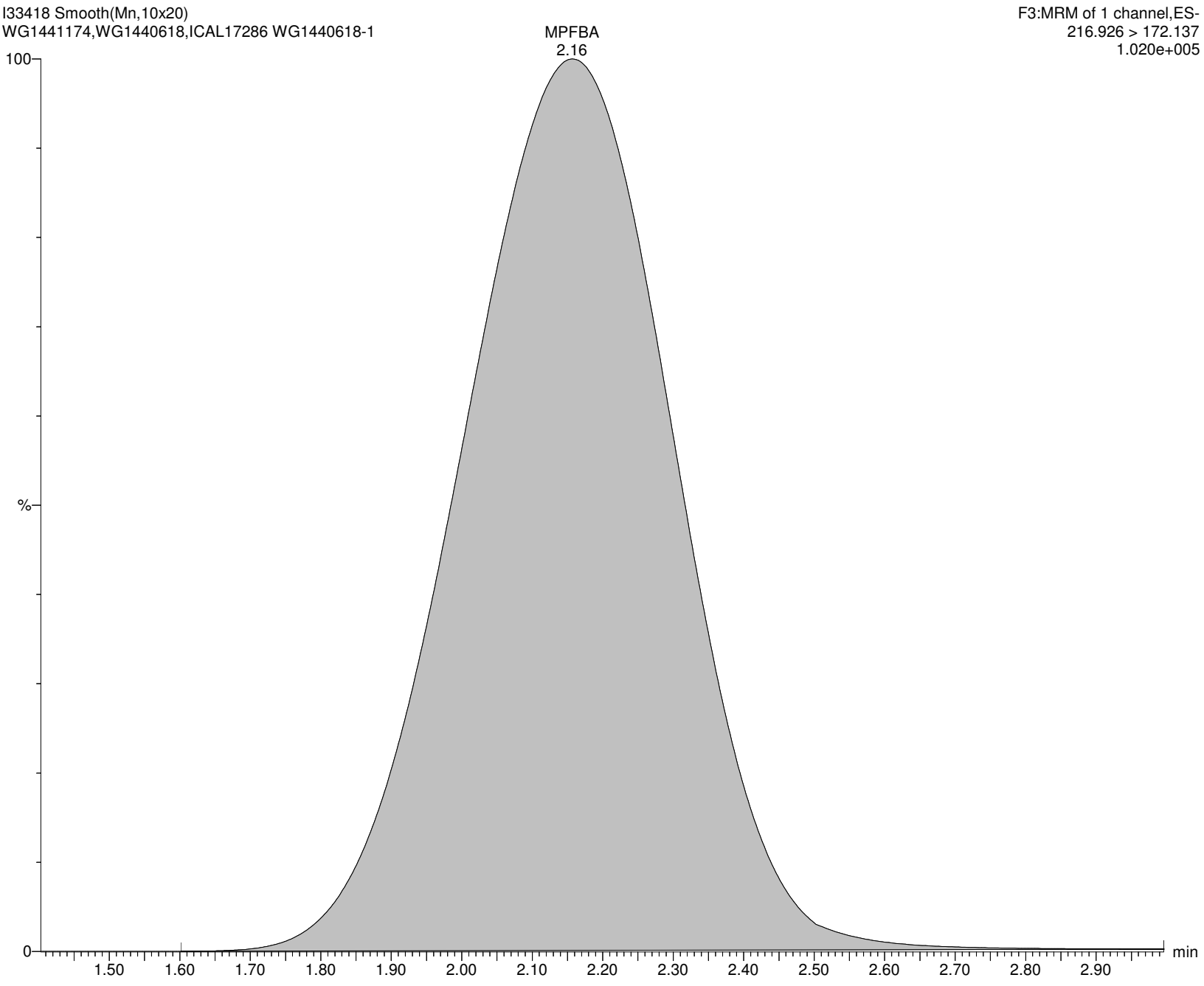

all concentration units in (ng/mL)

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User: LCMS02:JW
Vial: 1:C,8
Instrument: XEVO-TQSmicro#QEB0050
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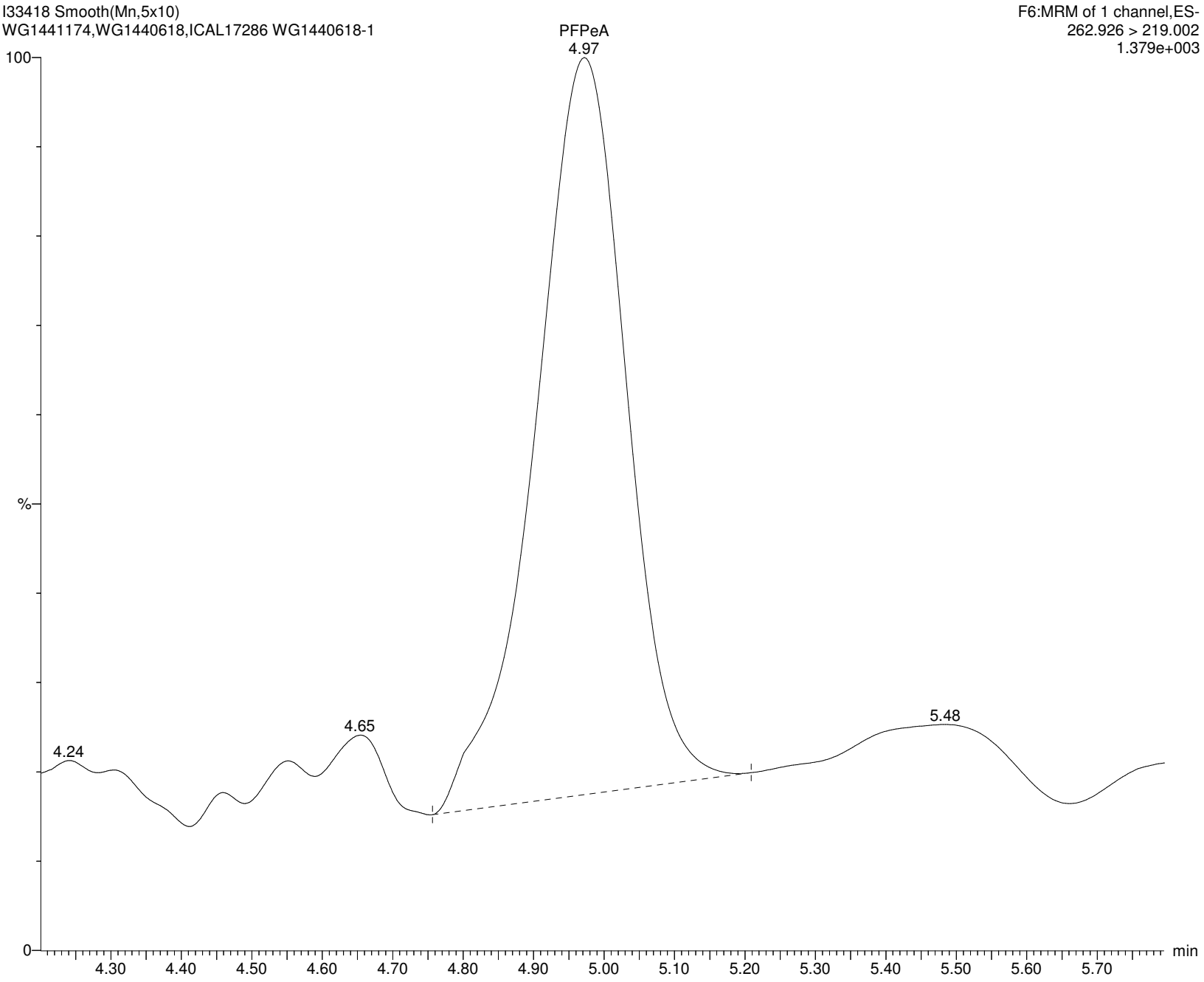
PFPeA



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
Last Altered: Sunday, December 06, 2020 22:56:32 Eastern Standard Time
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Name: I33418
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Date: 04-Dec-2020
Time: 16:28:57
Description: WG1441174,WG1440618,ICAL17286
User: LCMS02:JW
Vial: 1:C,8
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
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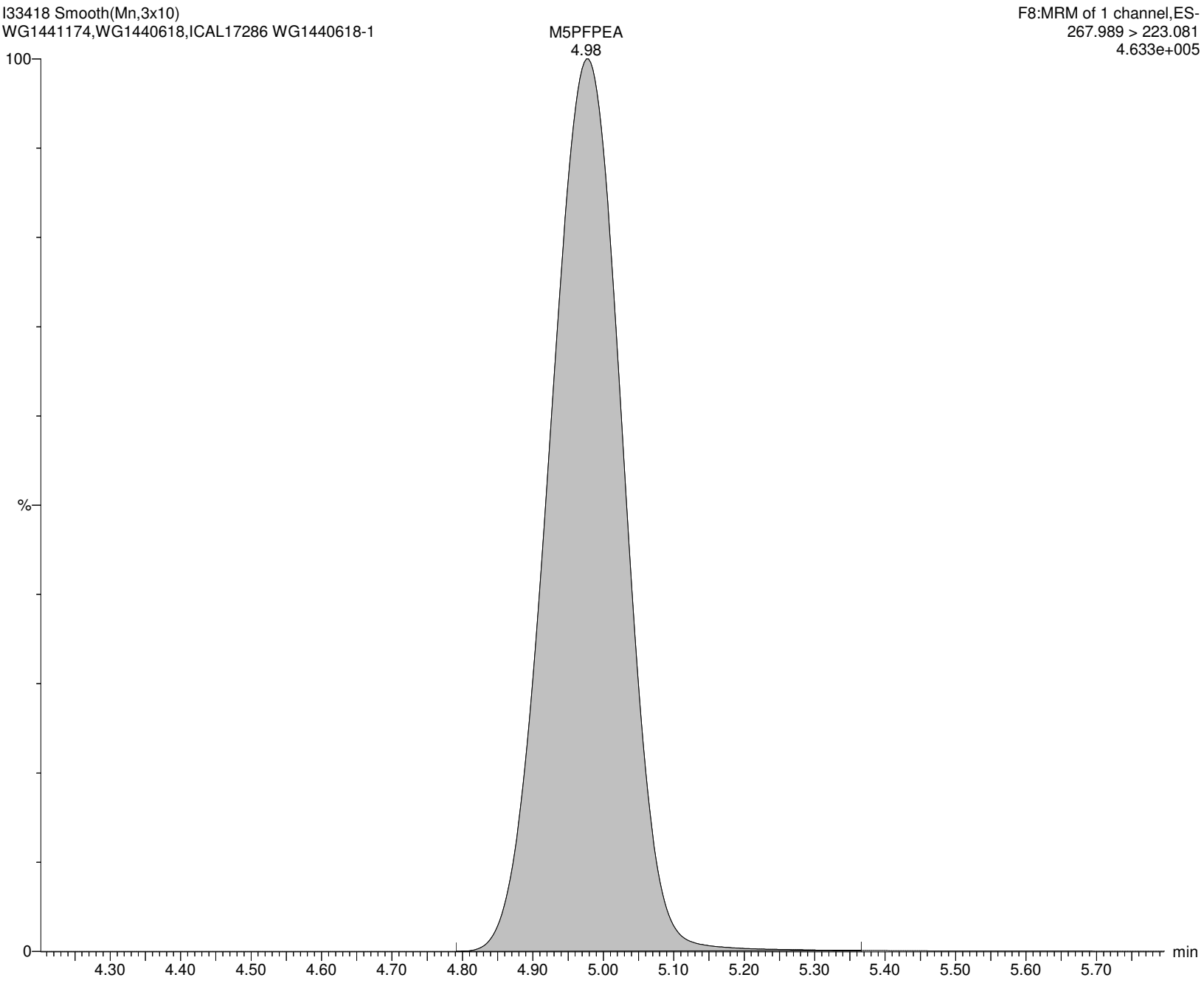
M5PFPEA



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
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Name: I33418
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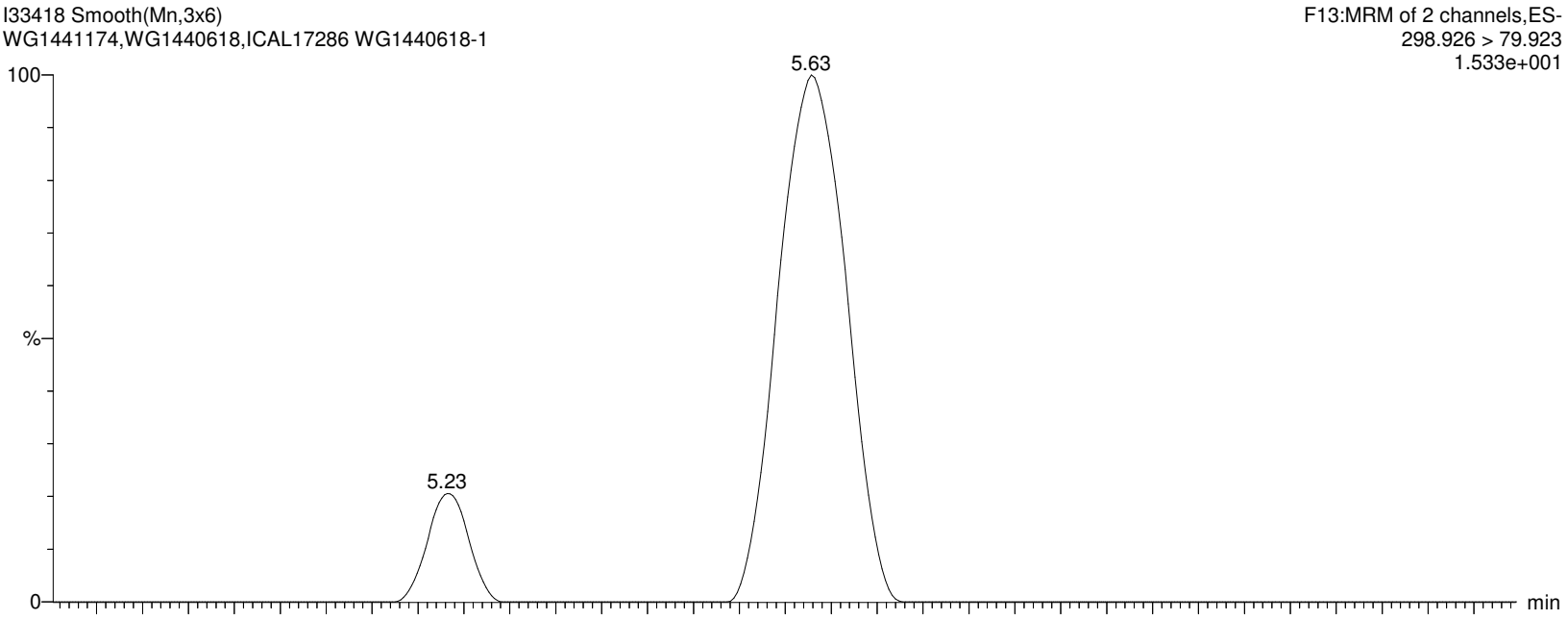
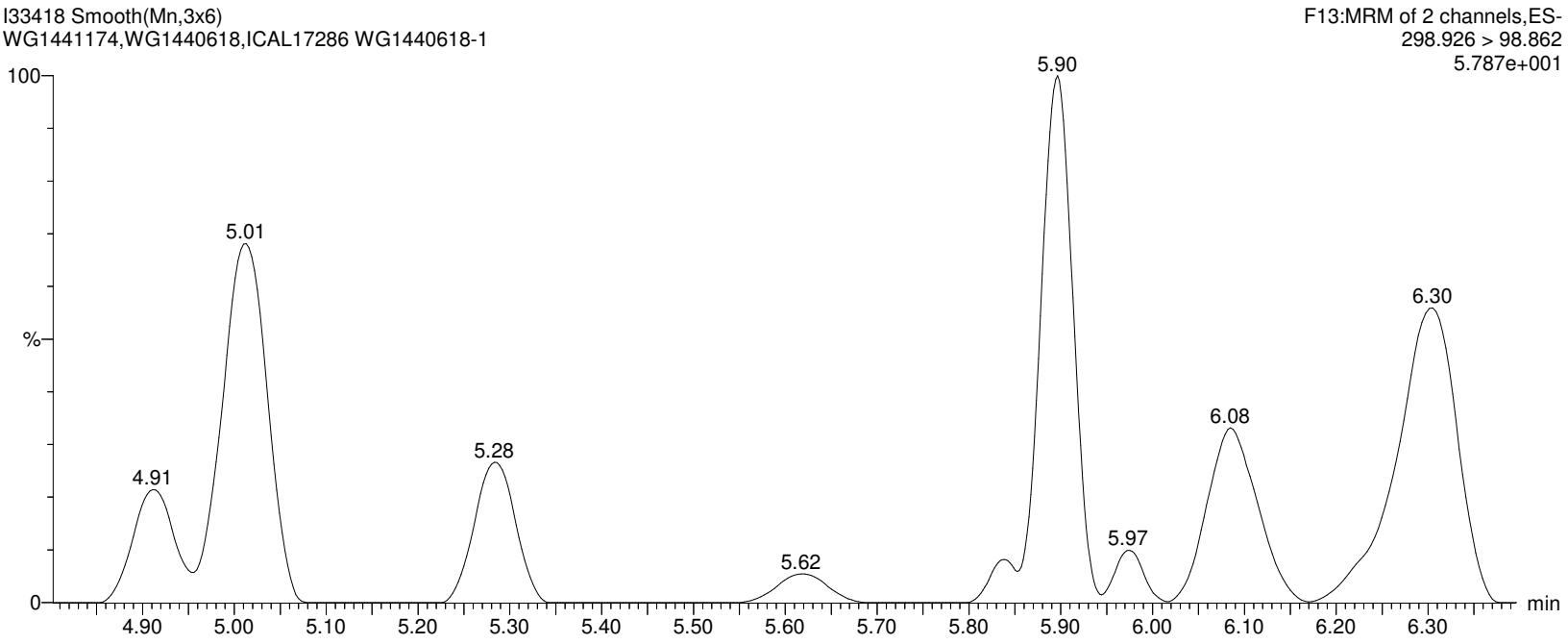
PFBS





all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
Last Altered: Sunday, December 06, 2020 22:56:32 Eastern Standard Time
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Name: I33418
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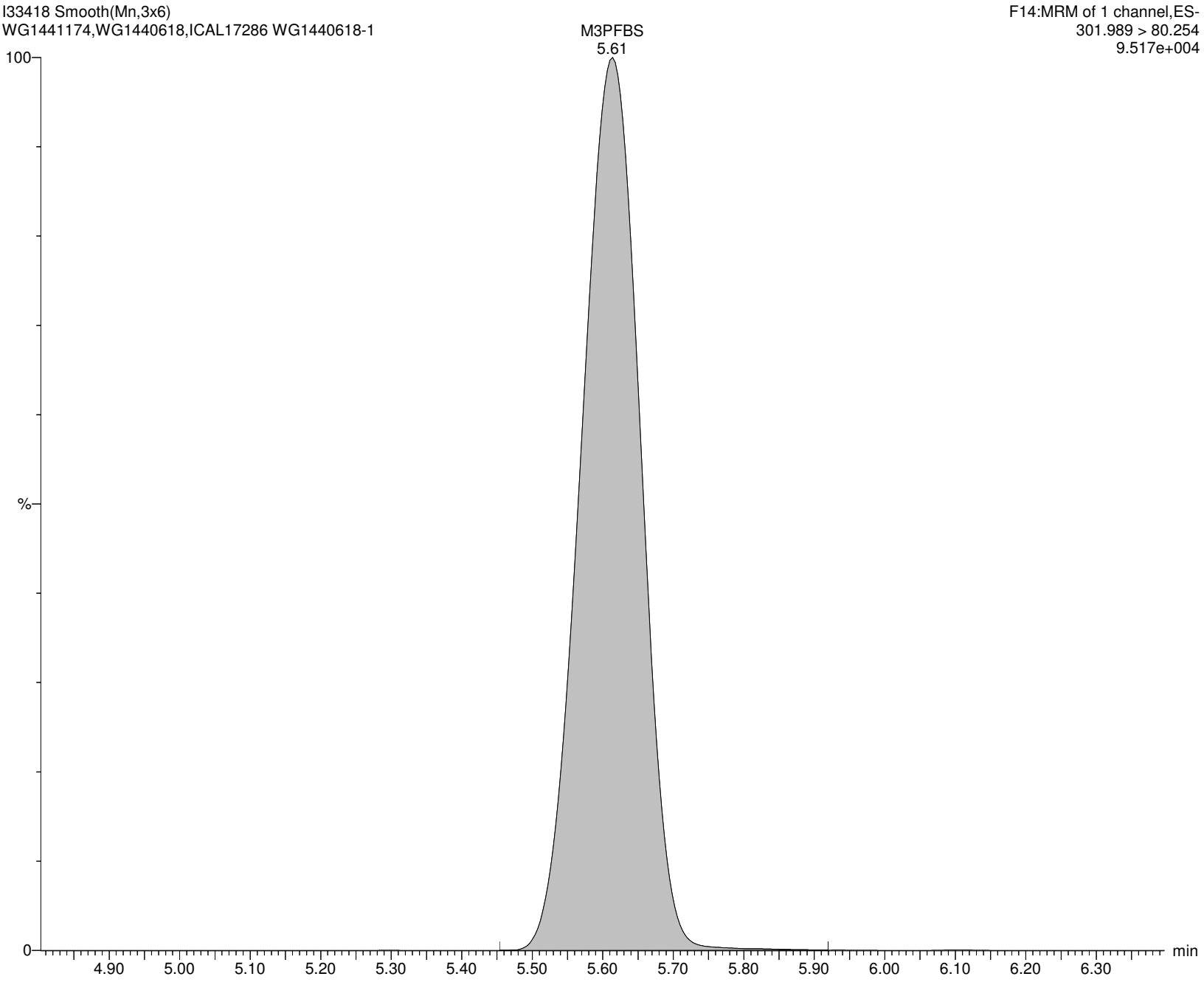
M3PFBS



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
Last Altered: Sunday, December 06, 2020 22:56:32 Eastern Standard Time
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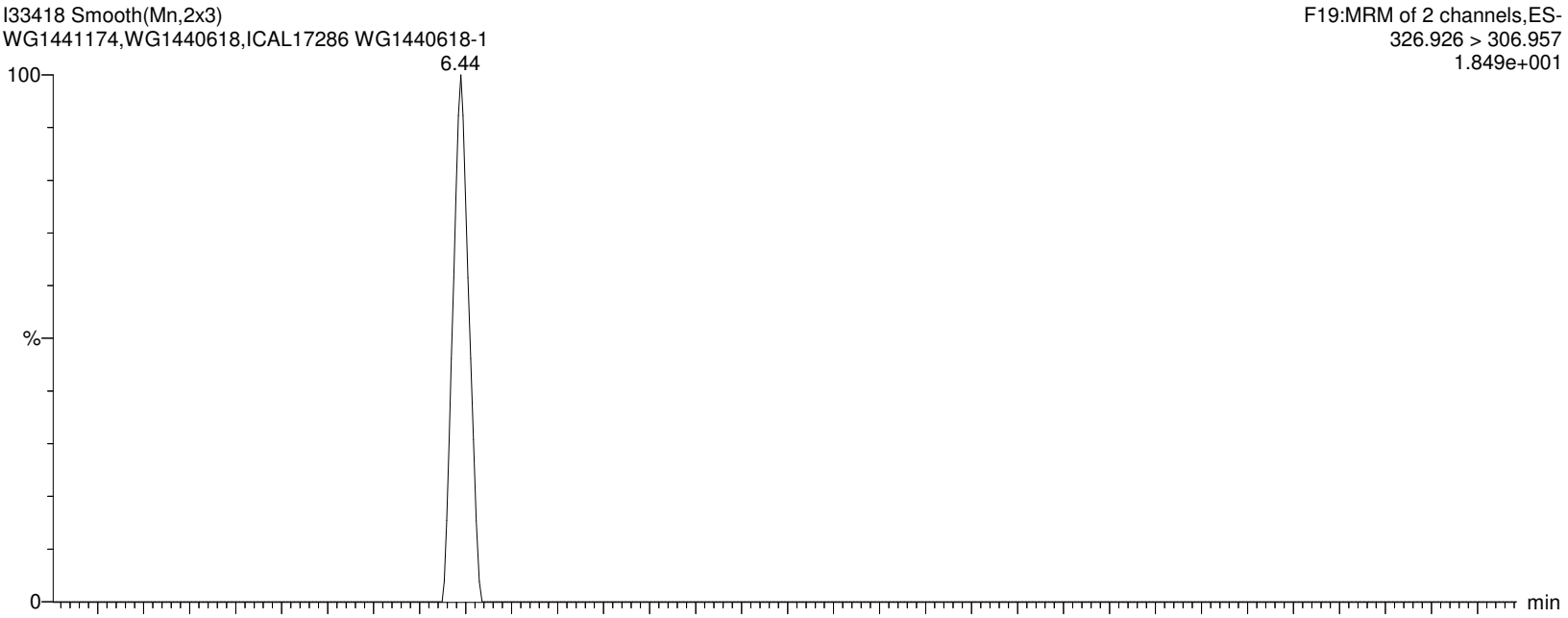
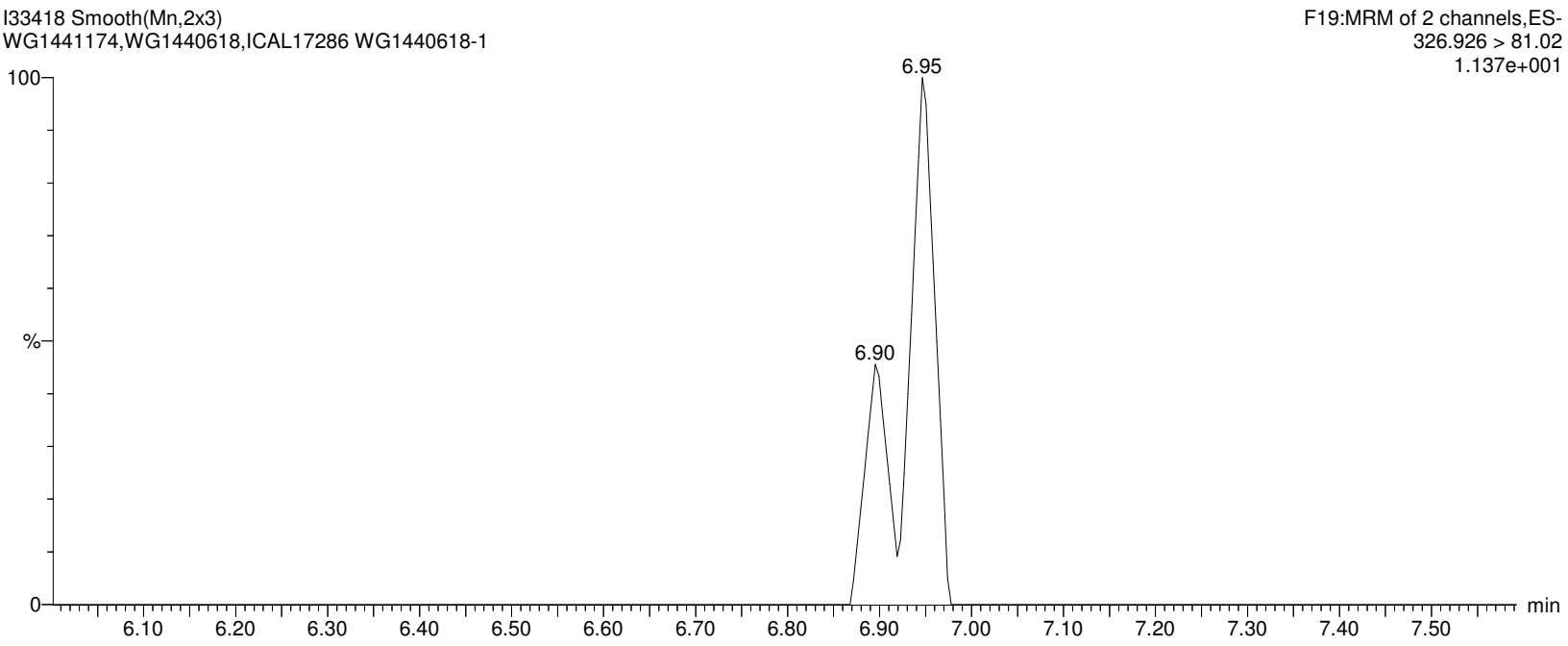
4:2FTS





all concentration units in (ng/mL)

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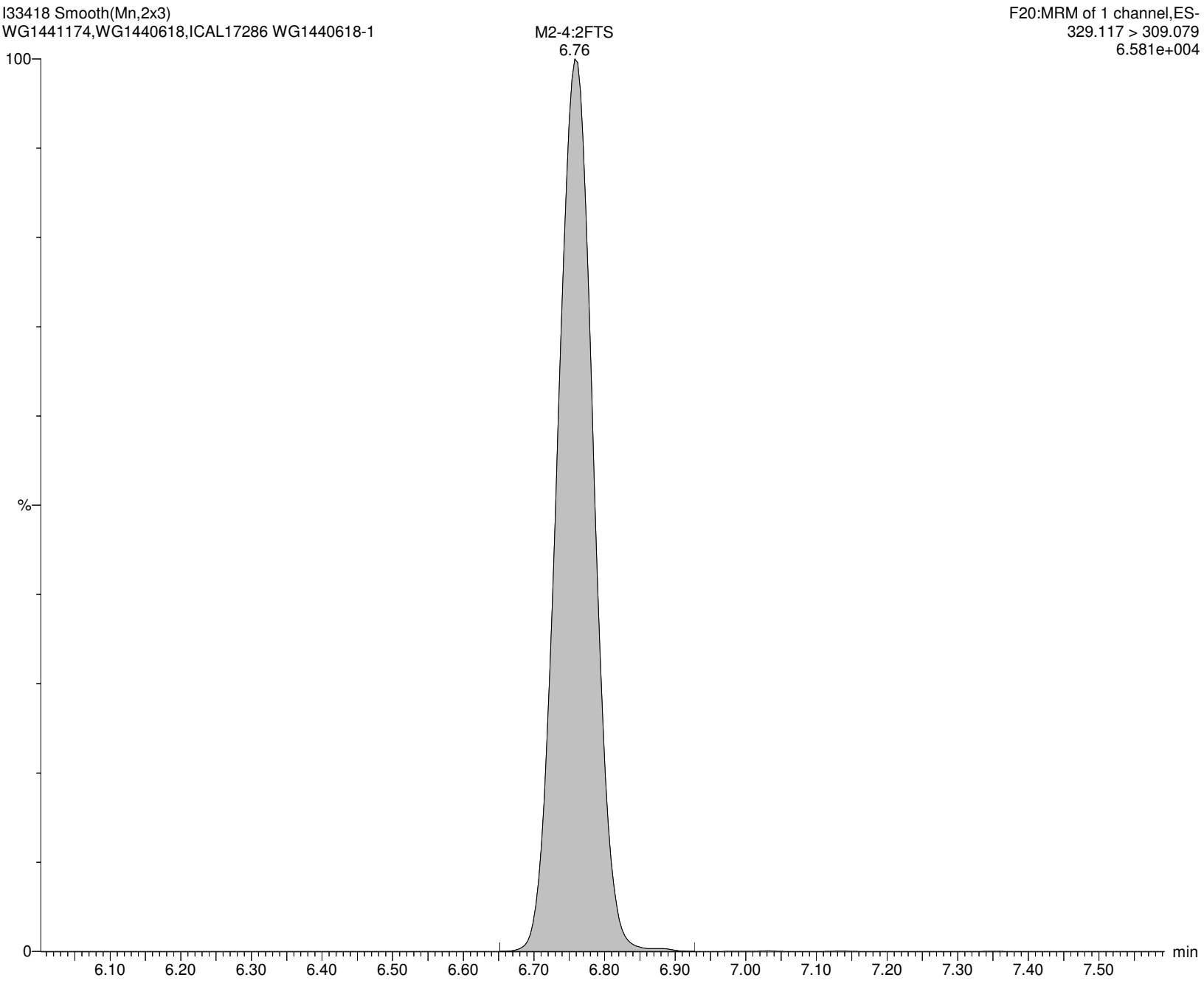

all concentration units in (ng/mL)

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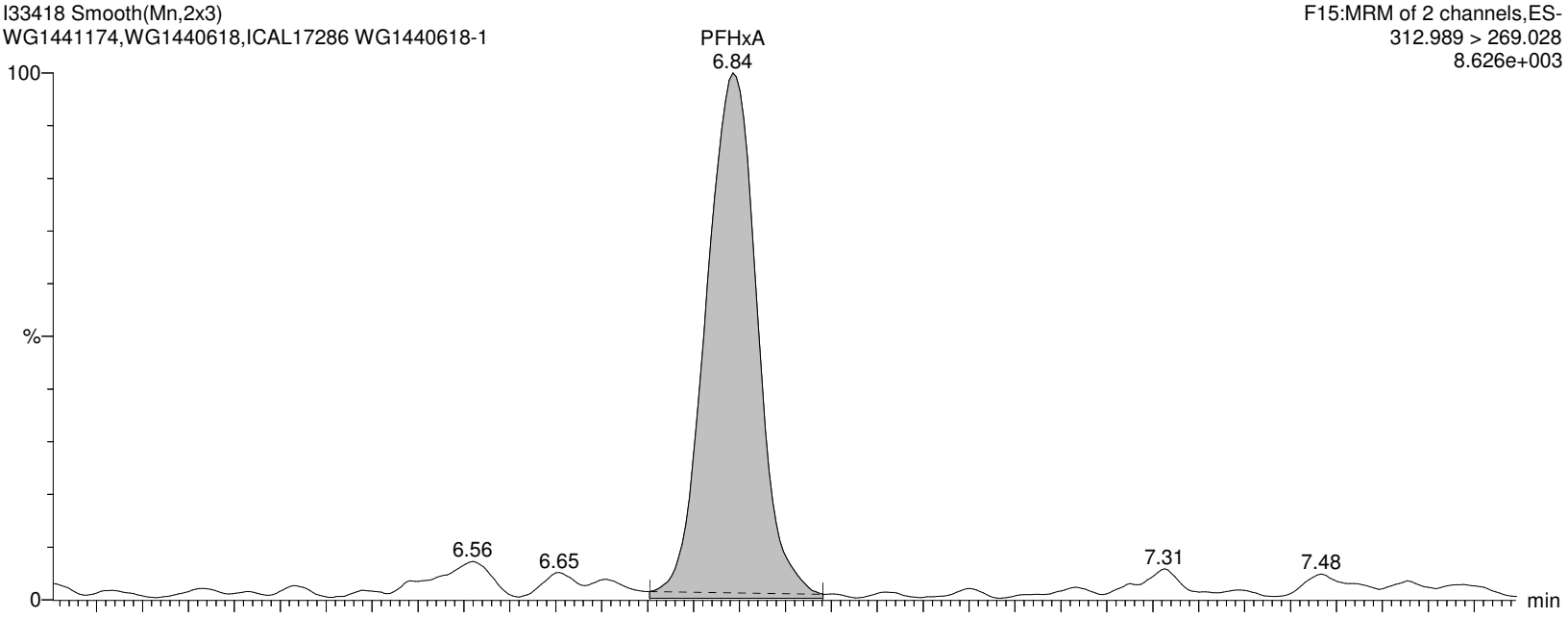
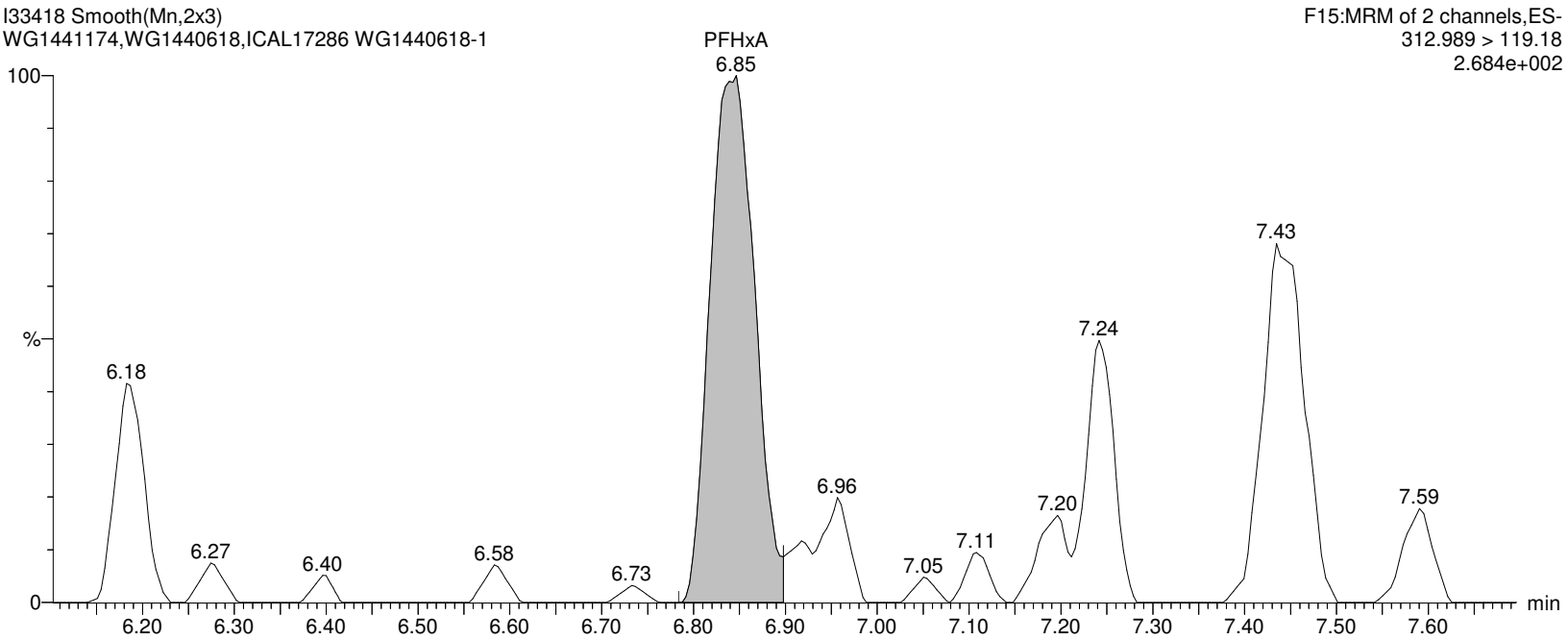
PFHxA





all concentration units in (ng/mL)

Alpha Analytical Inc.
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Last Altered: Sunday, December 06, 2020 22:56:32 Eastern Standard Time
Printed: Sunday, December 06, 2020 22:59:35 Eastern Standard Time

Name: I33418
ID: WG1440618-1
Date: 04-Dec-2020
Time: 16:28:57
Description: WG1441174,WG1440618,ICAL17286
User: LCMS02:JW
Vial: 1:C,8
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
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MS Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

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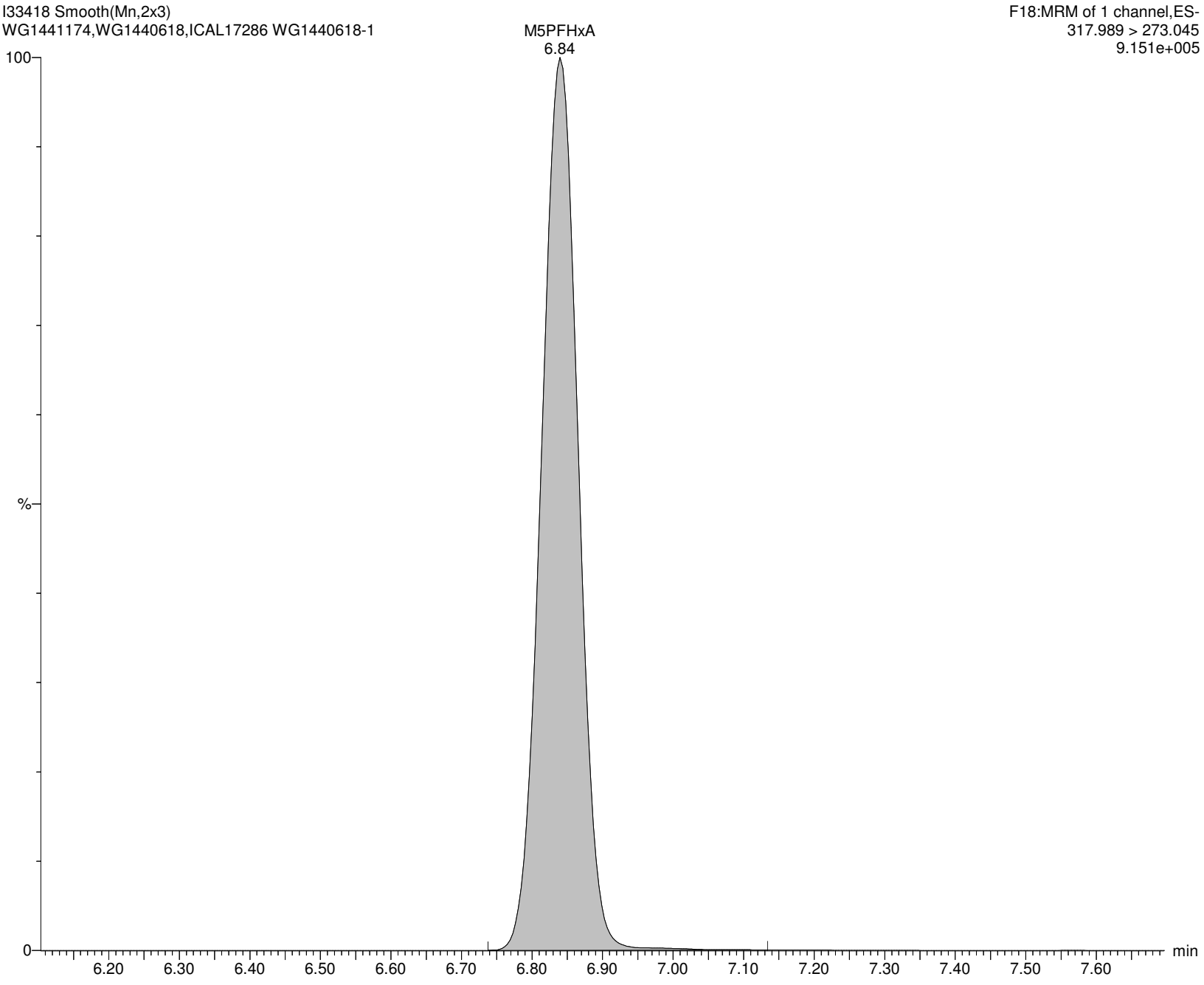

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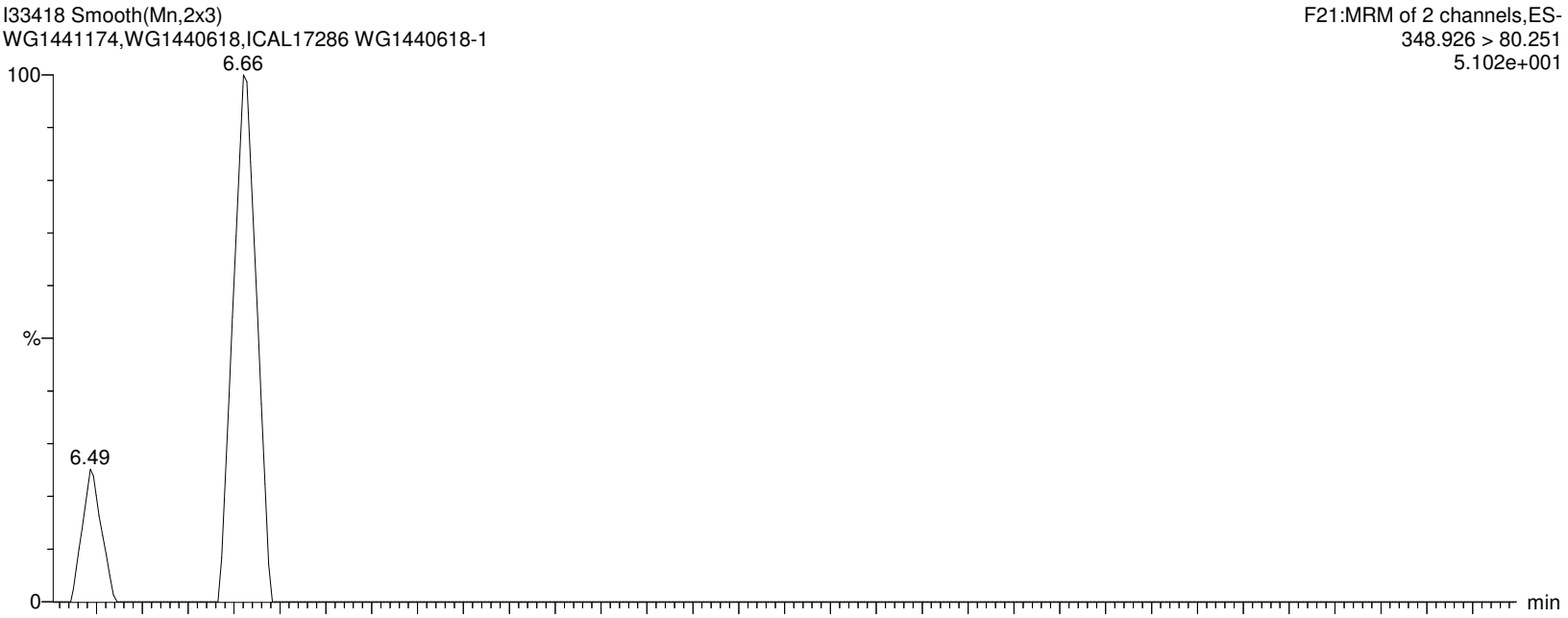

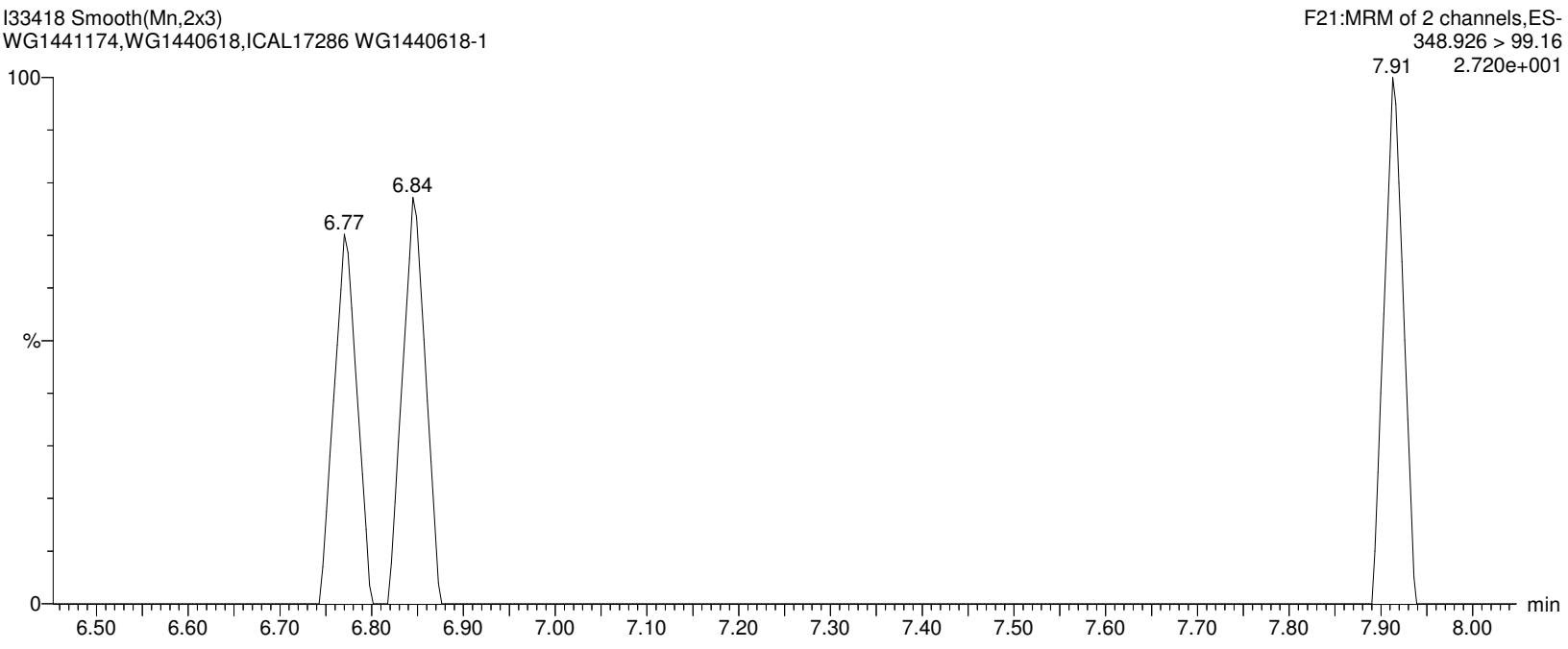

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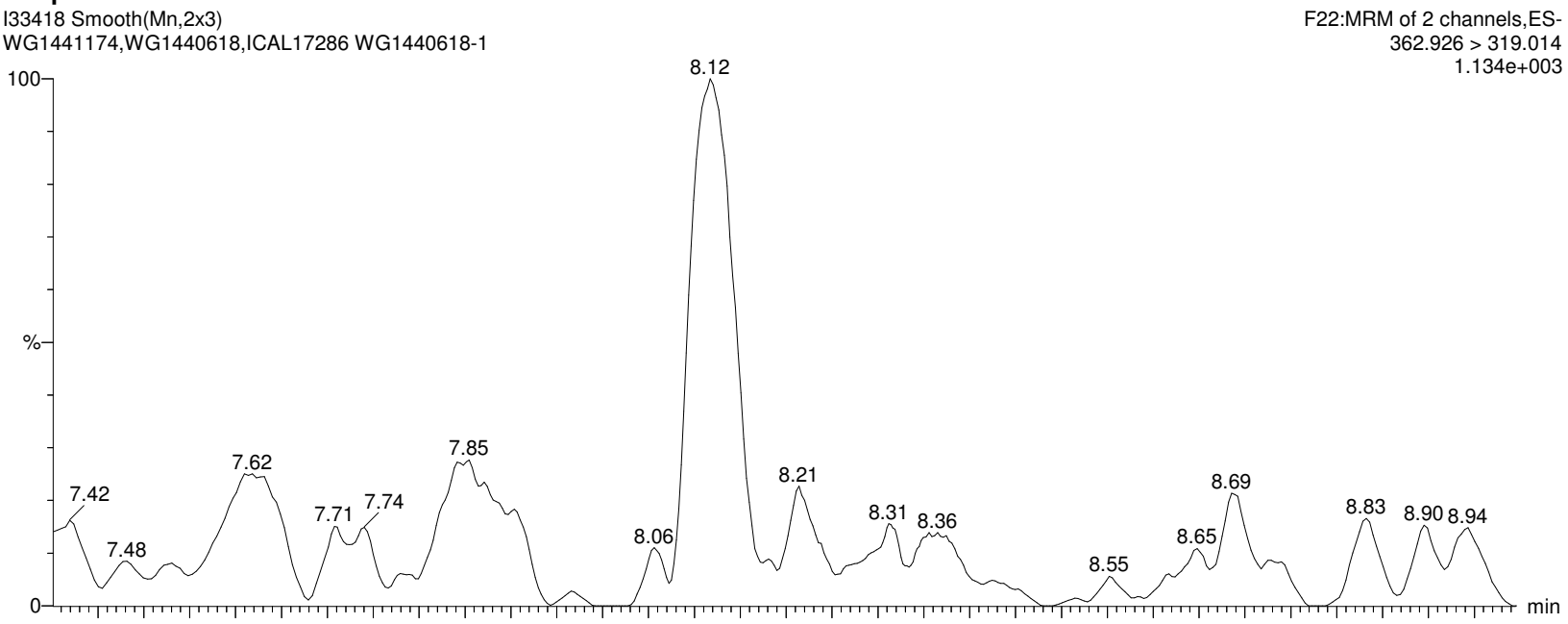

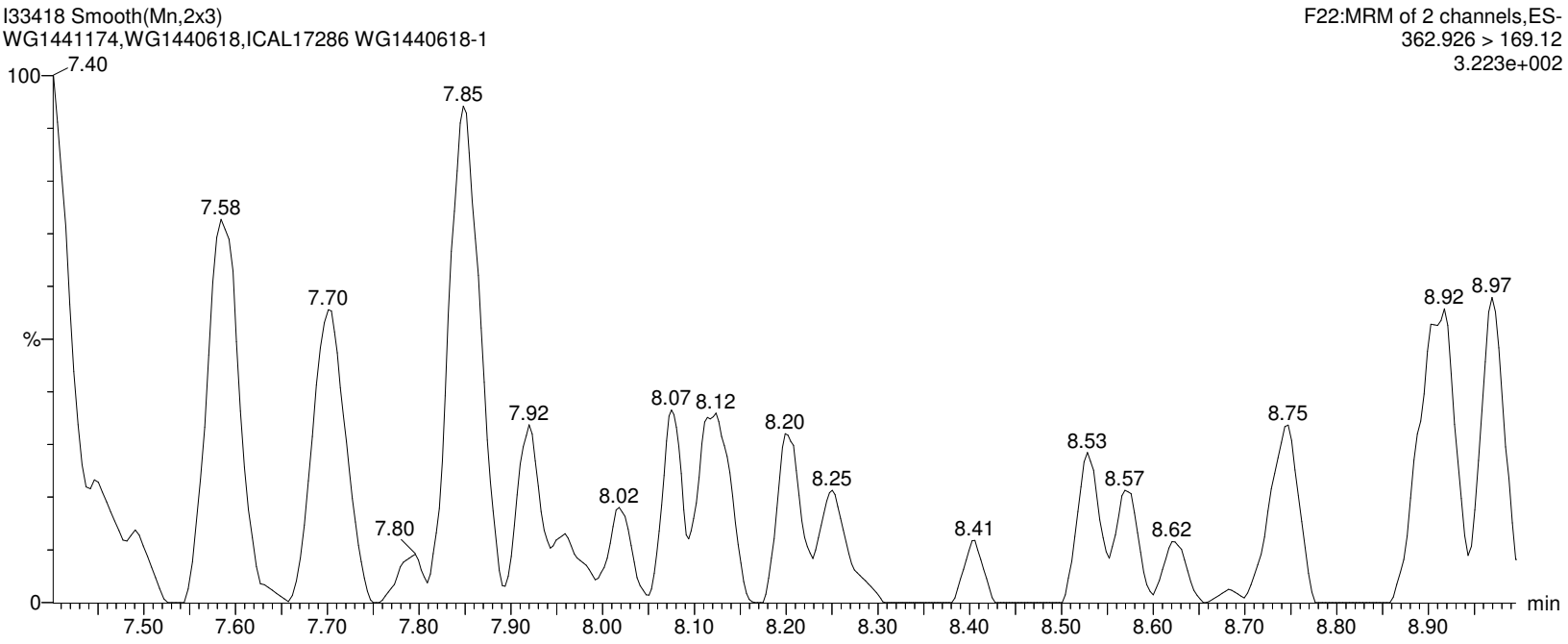

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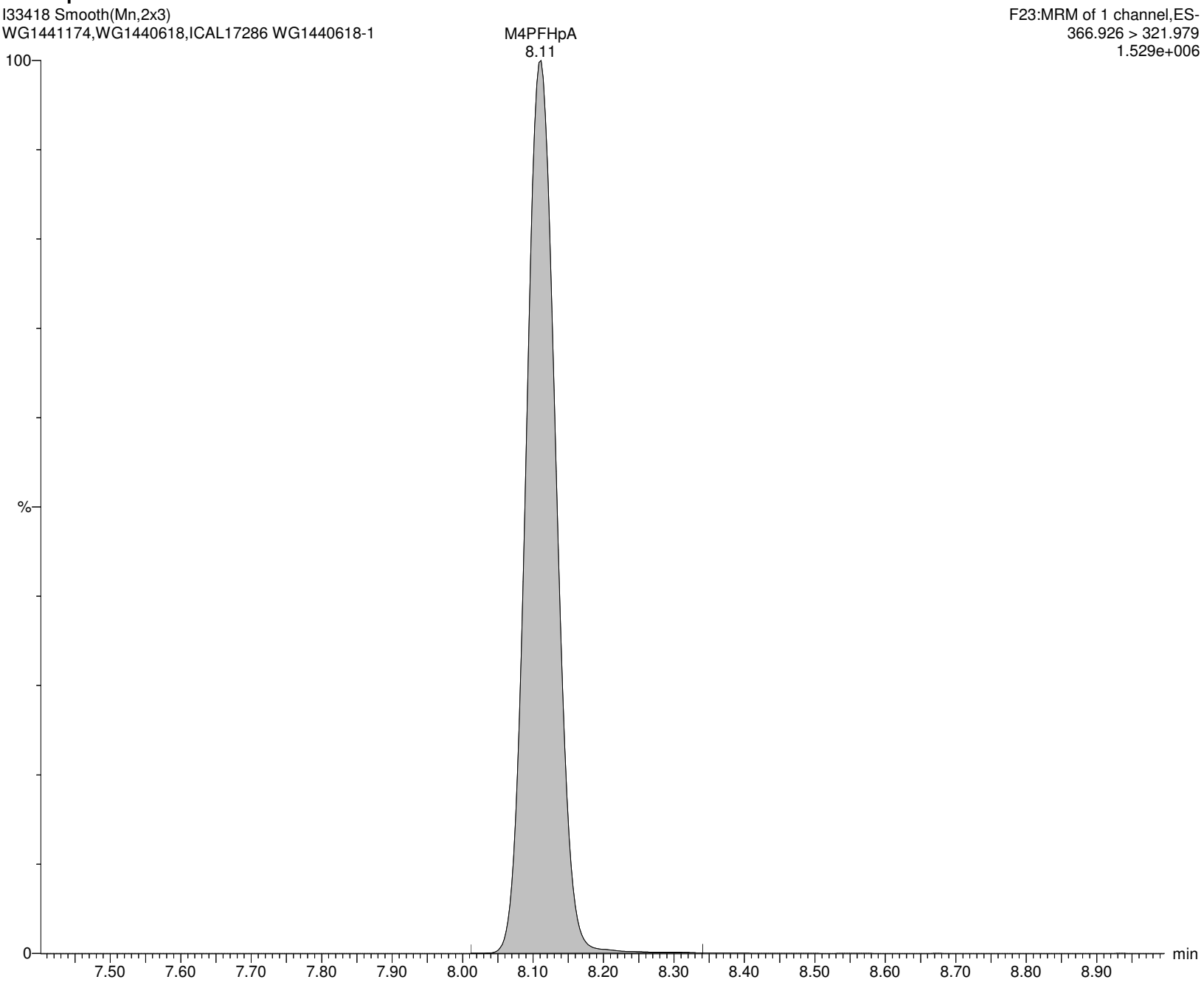

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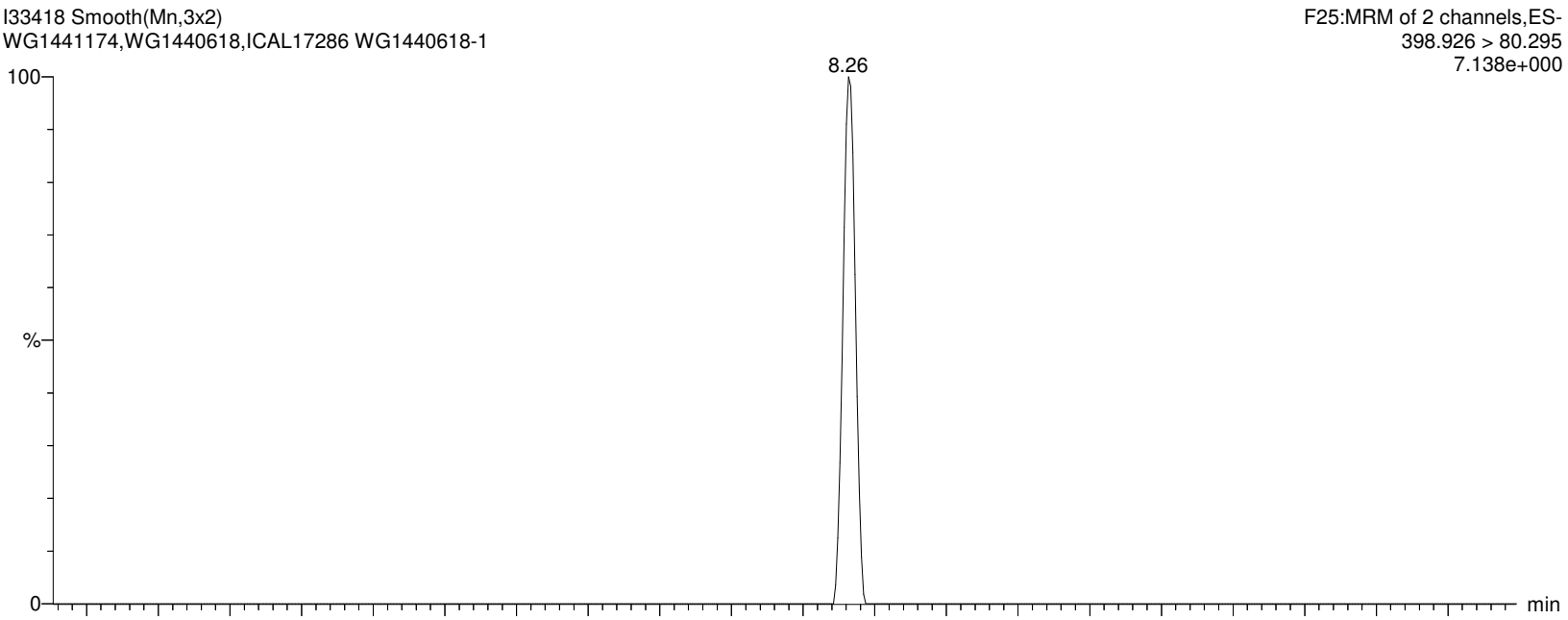

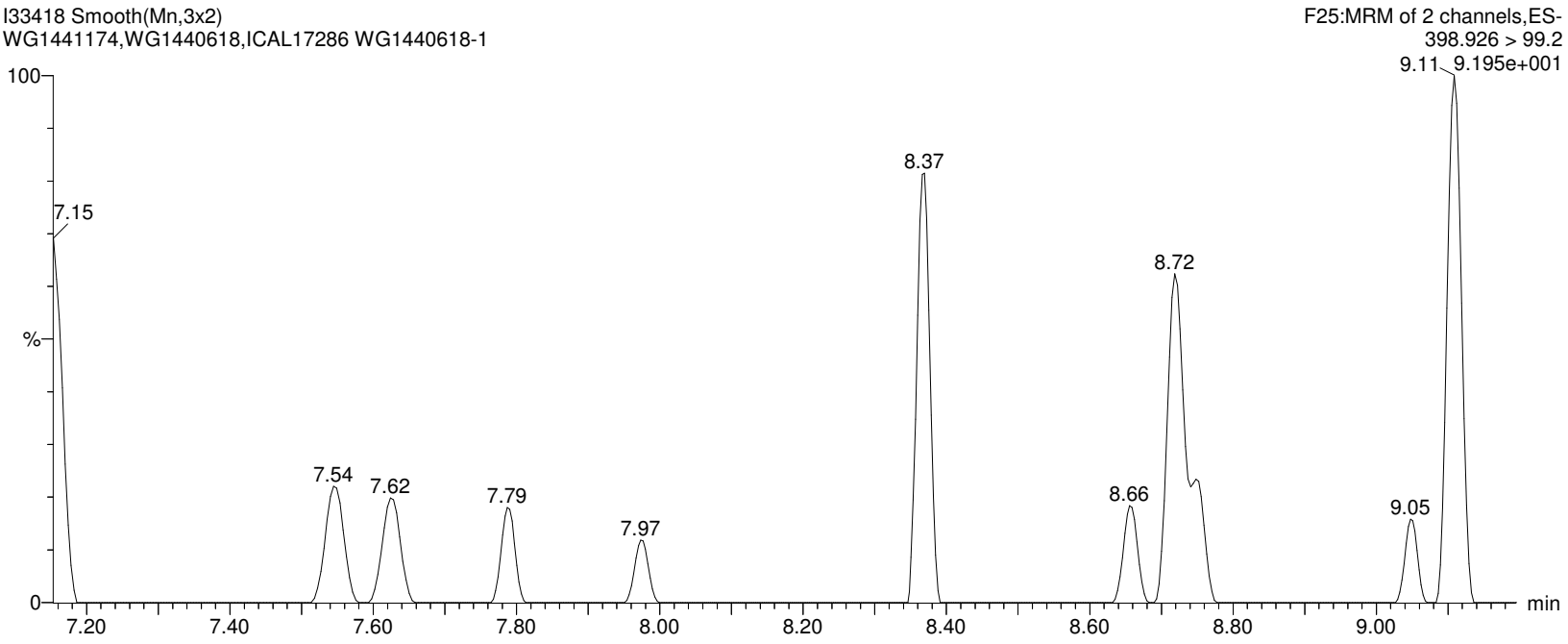

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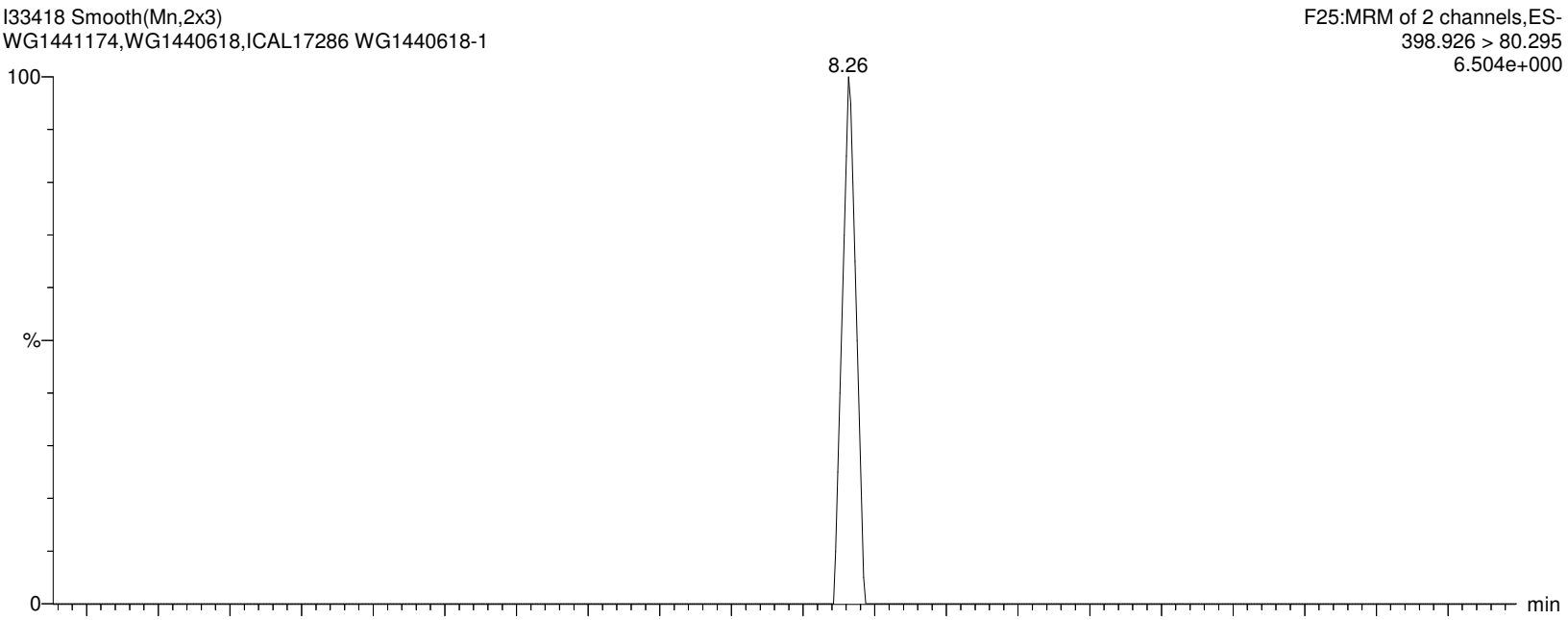

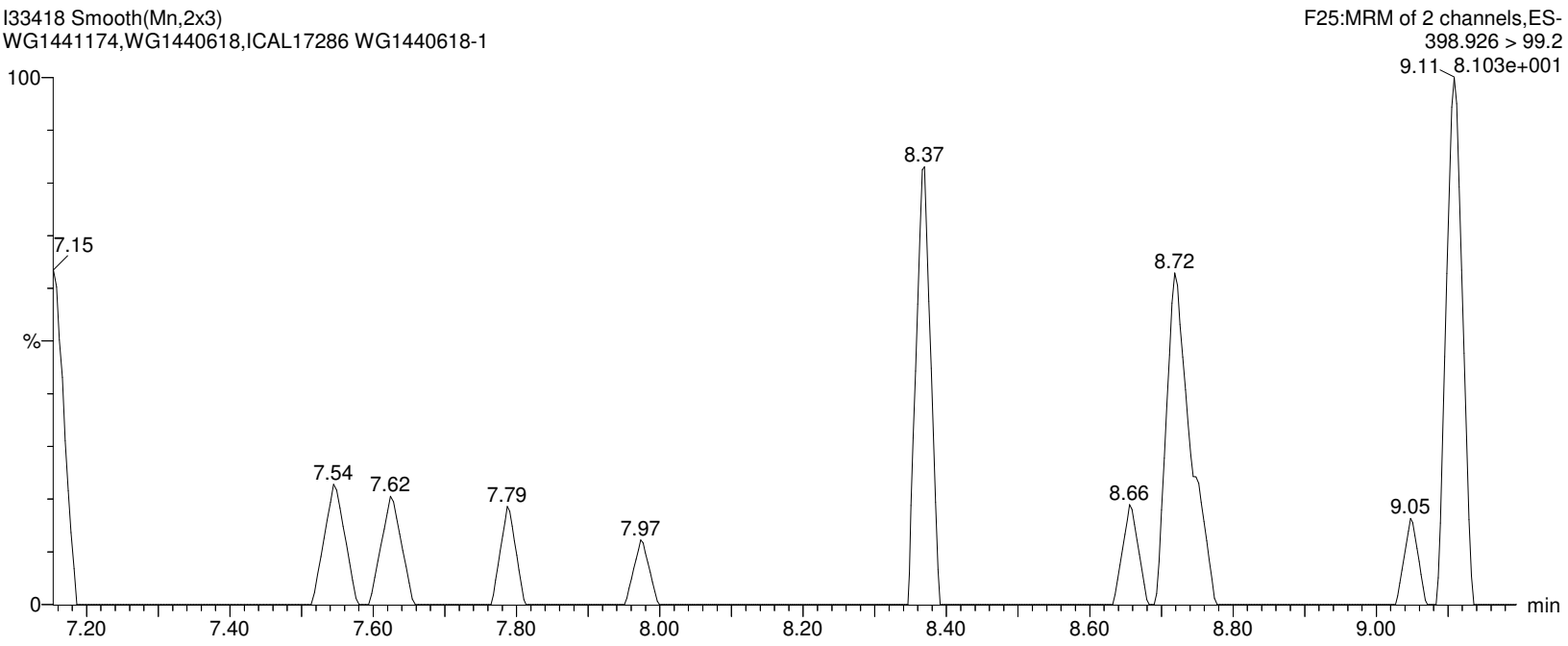

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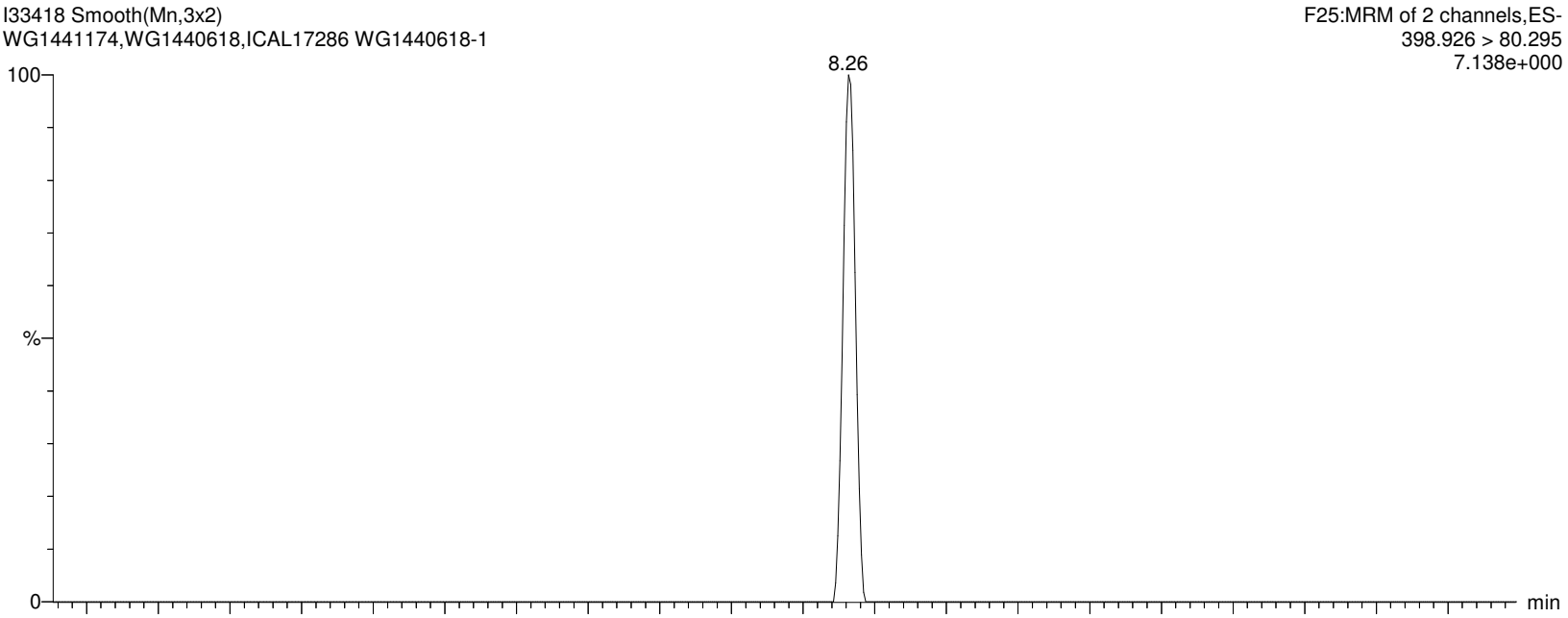

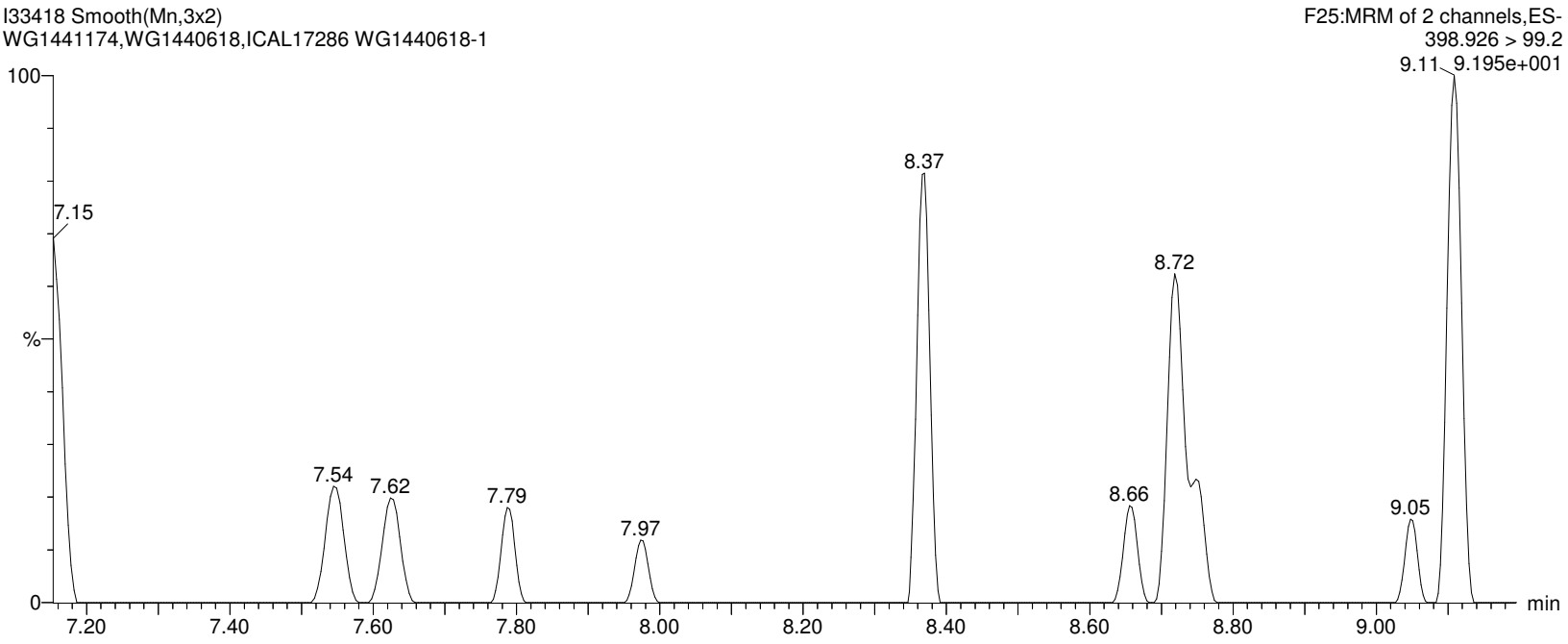

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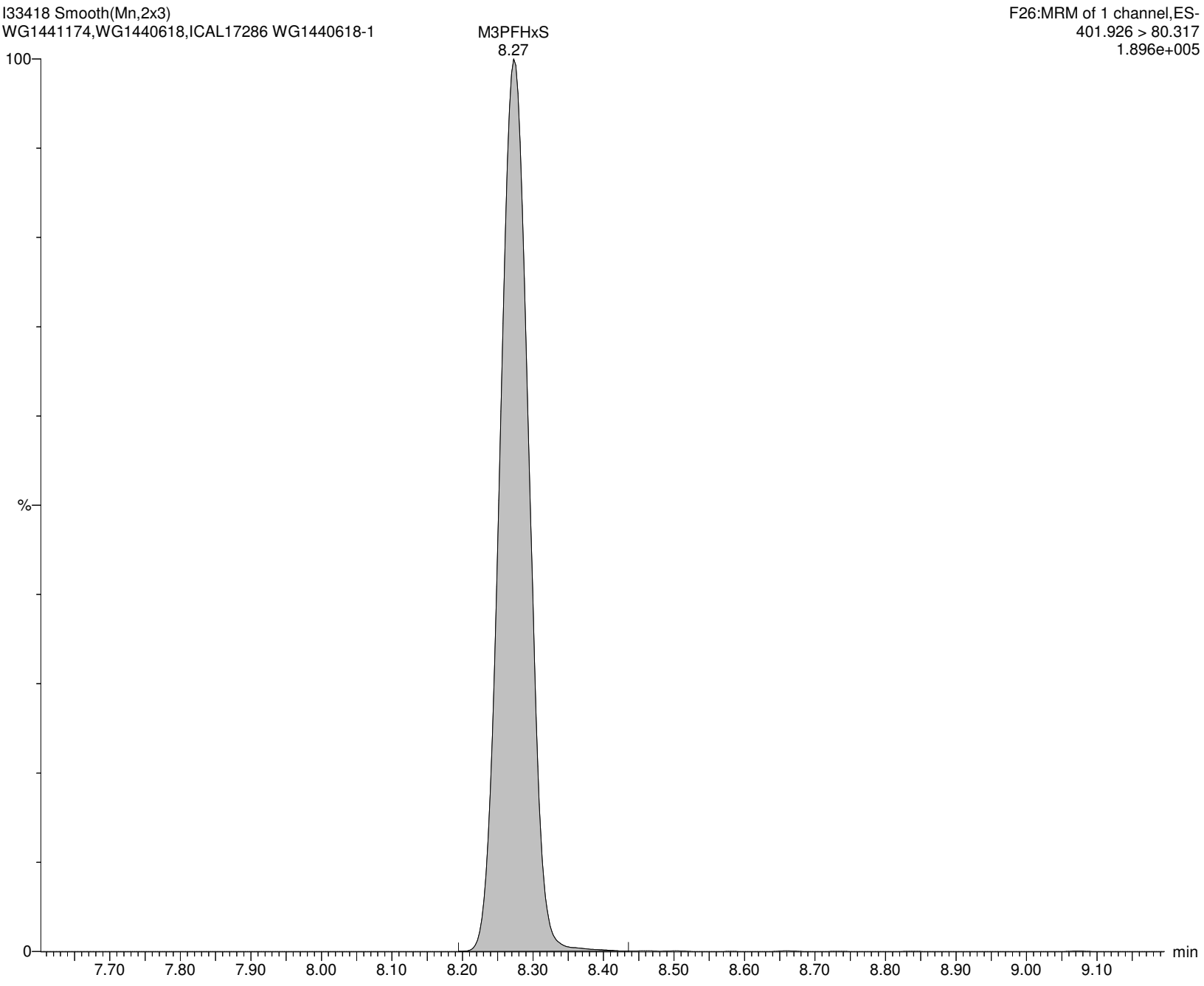

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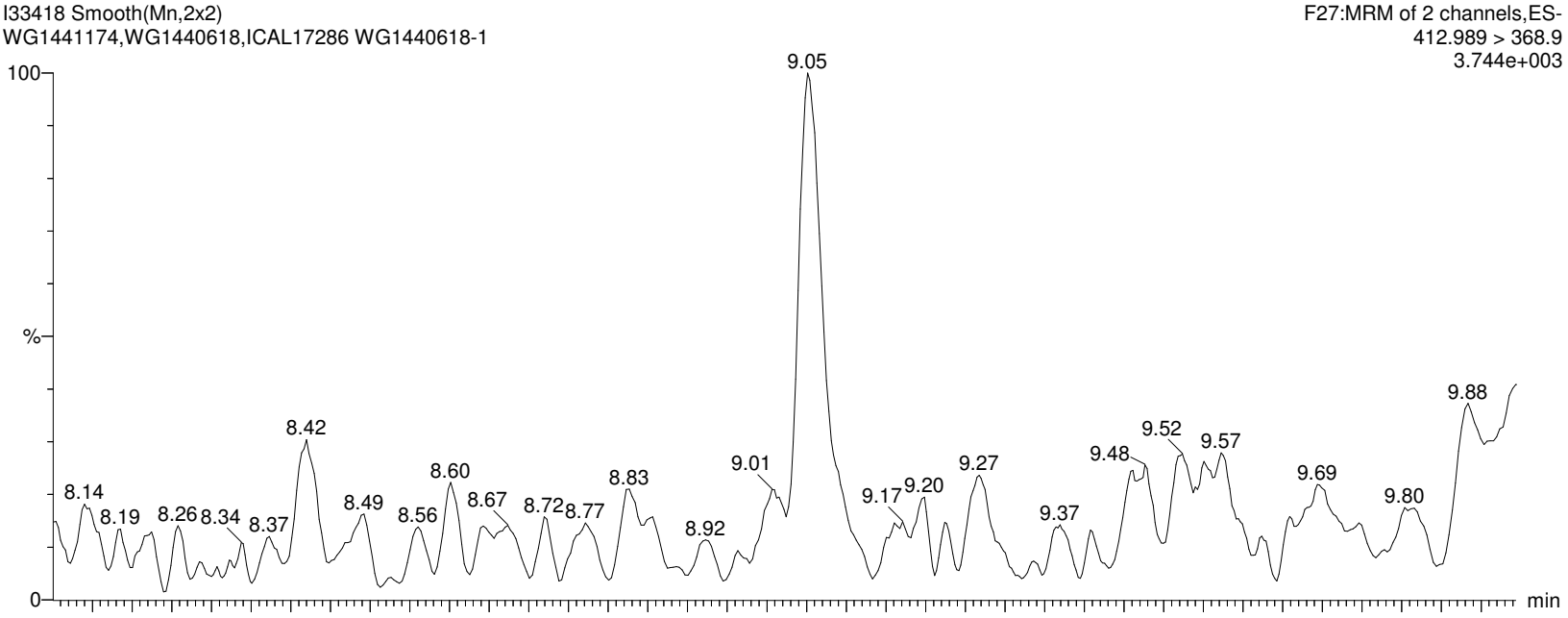

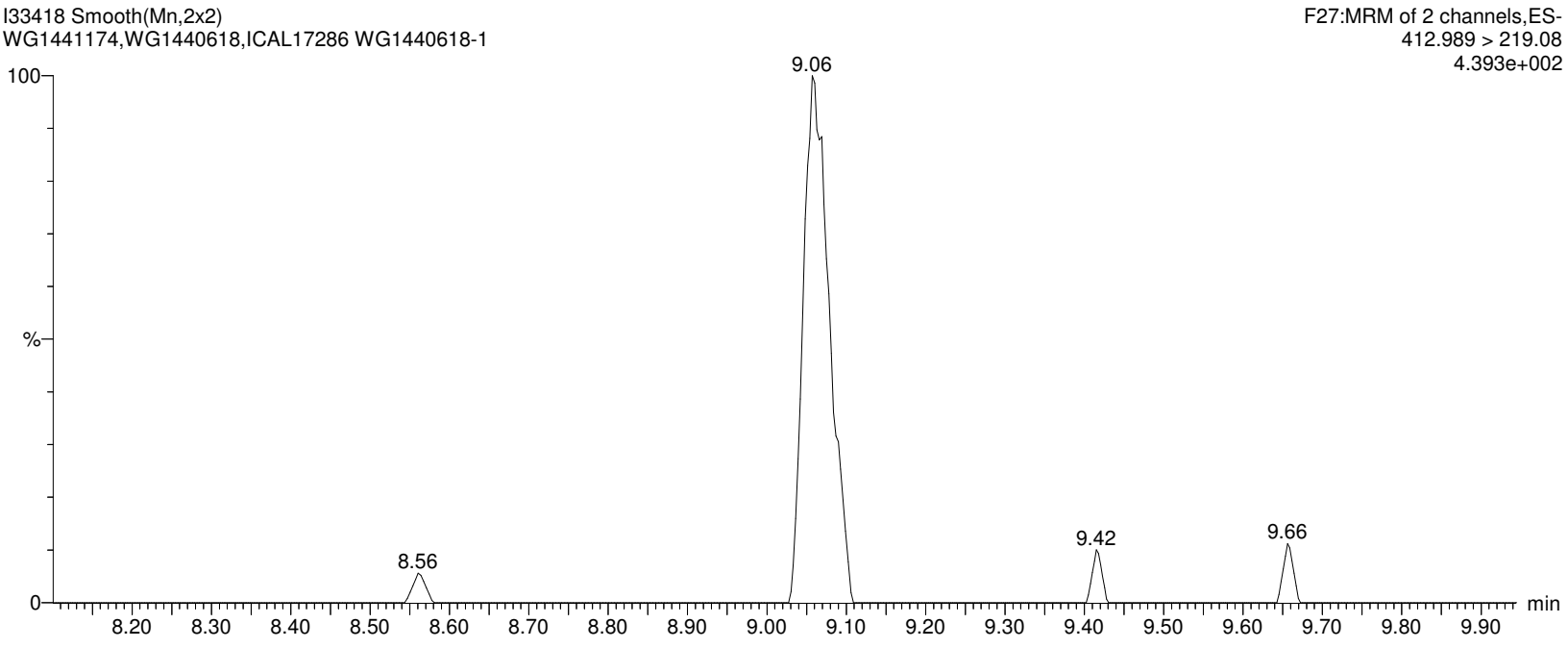

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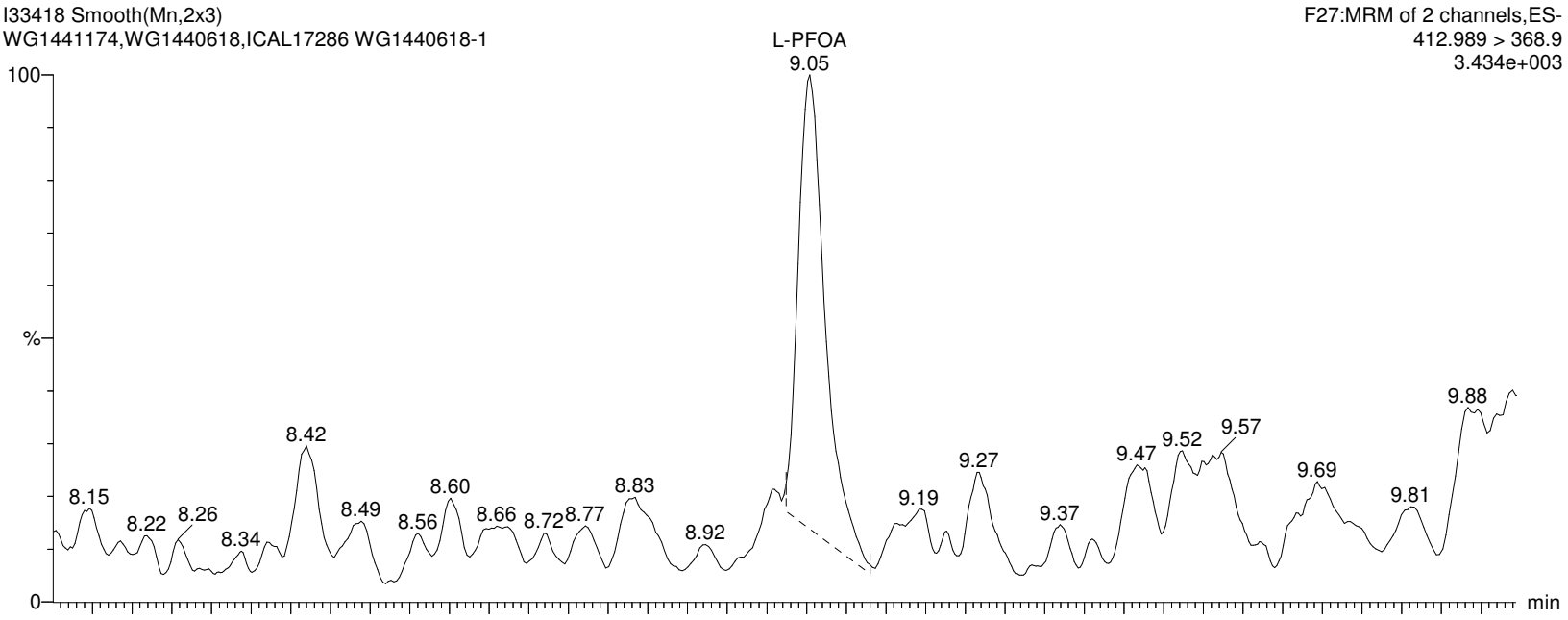

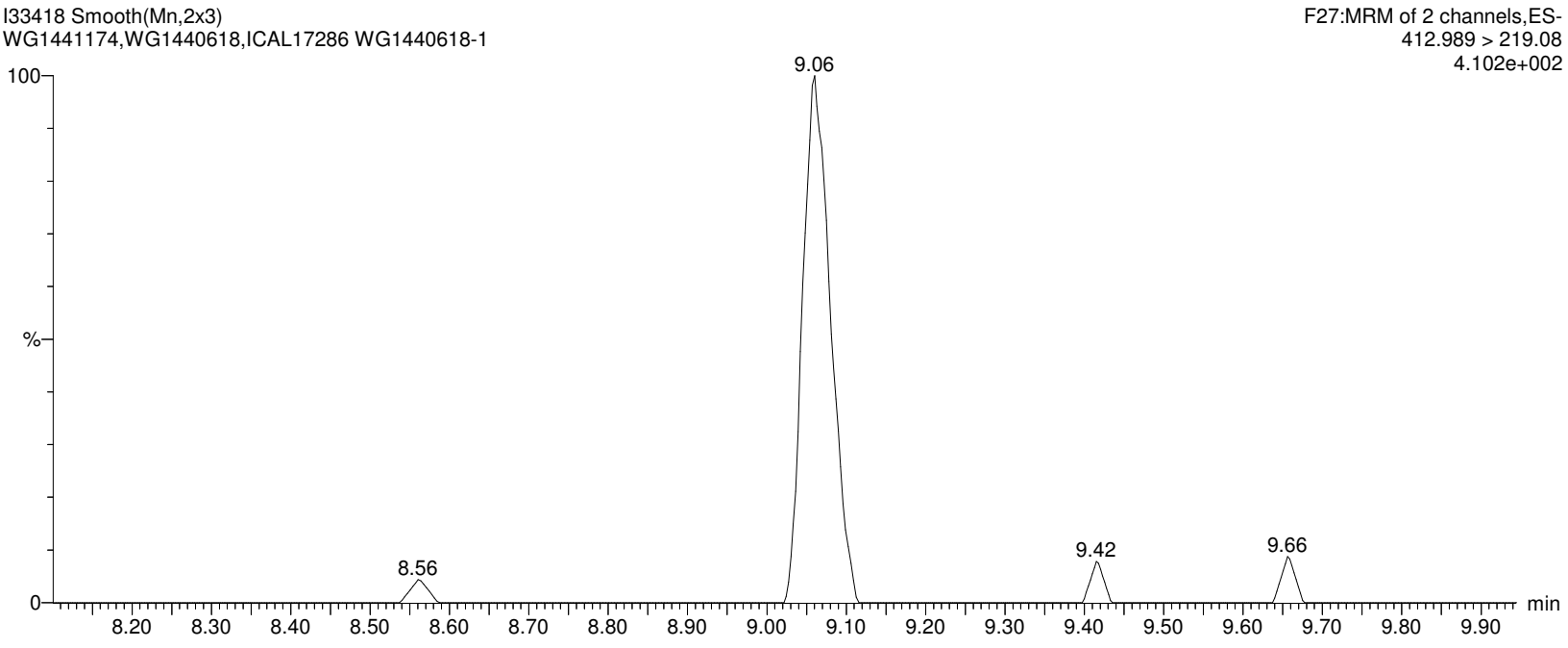

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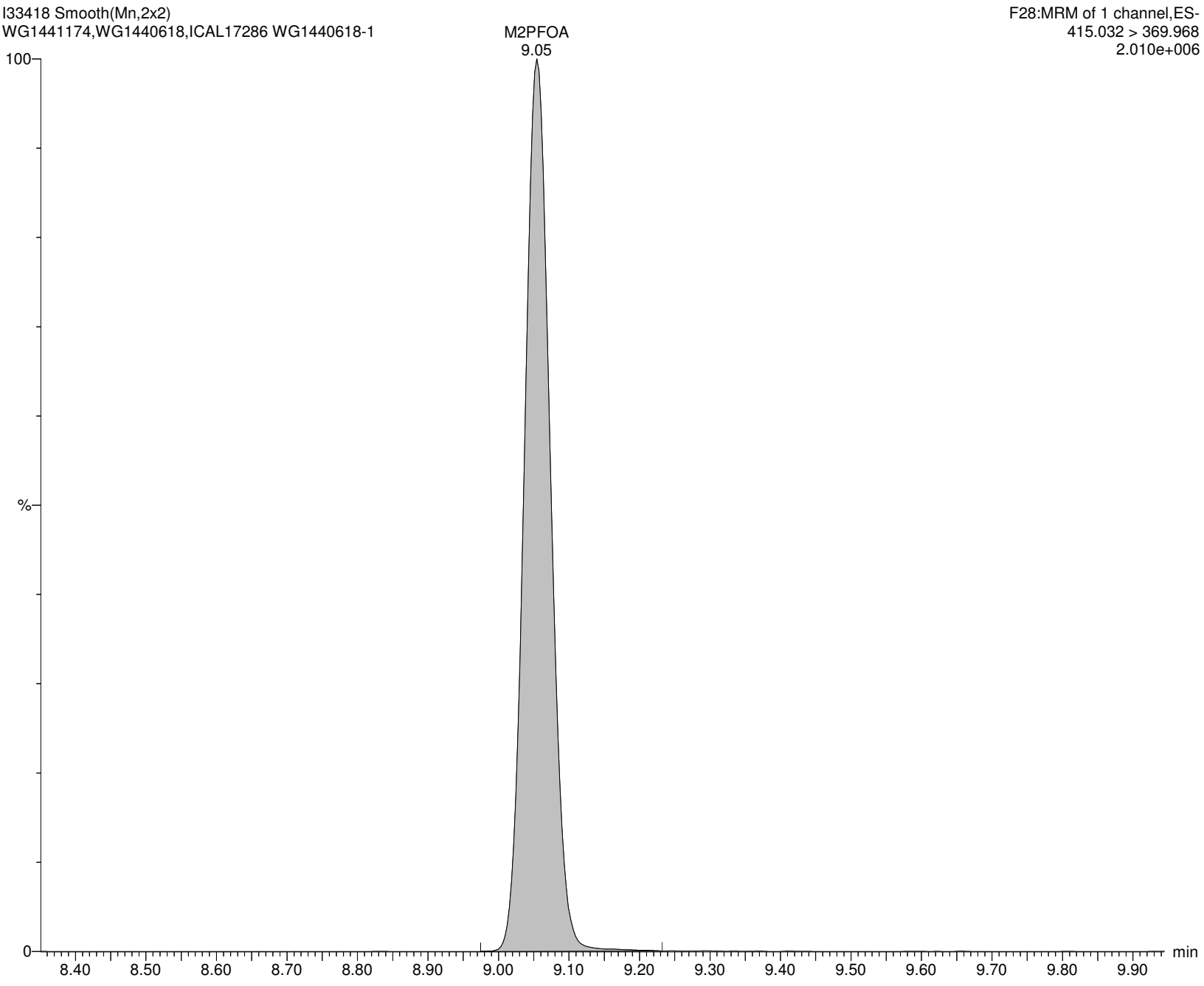

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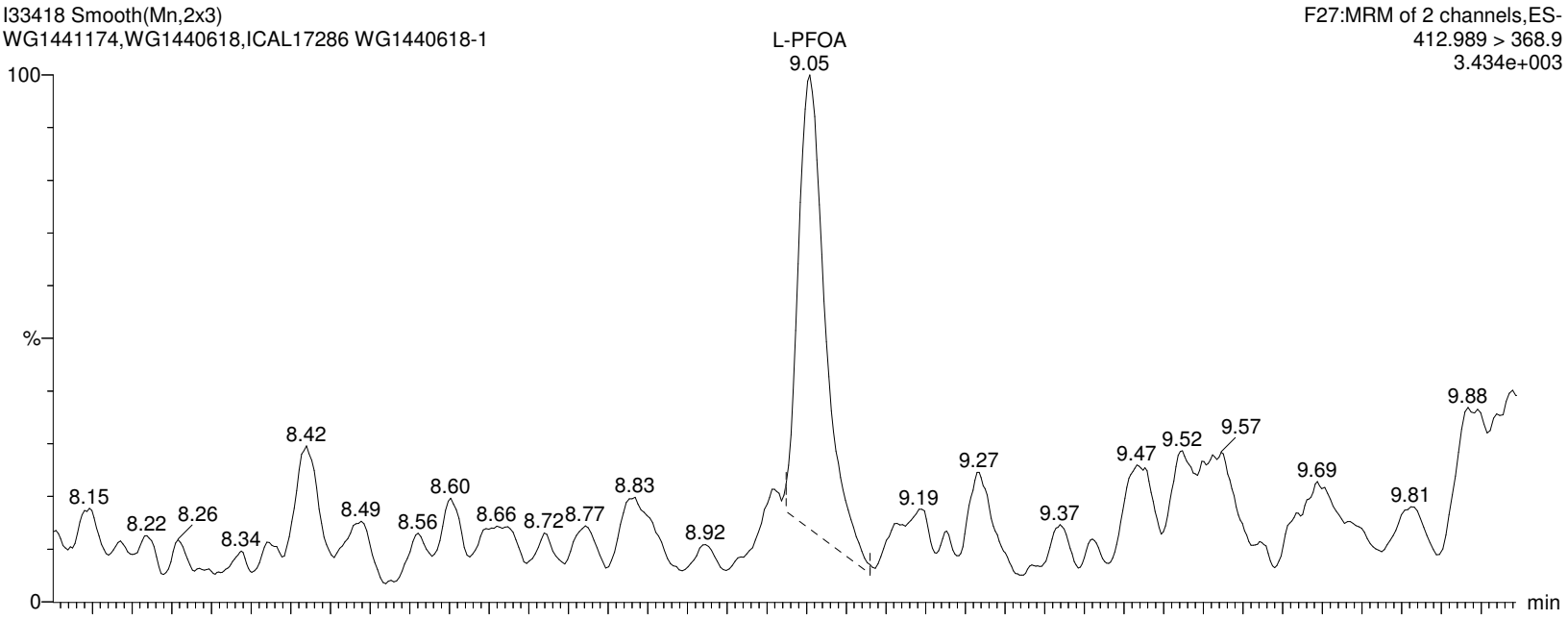

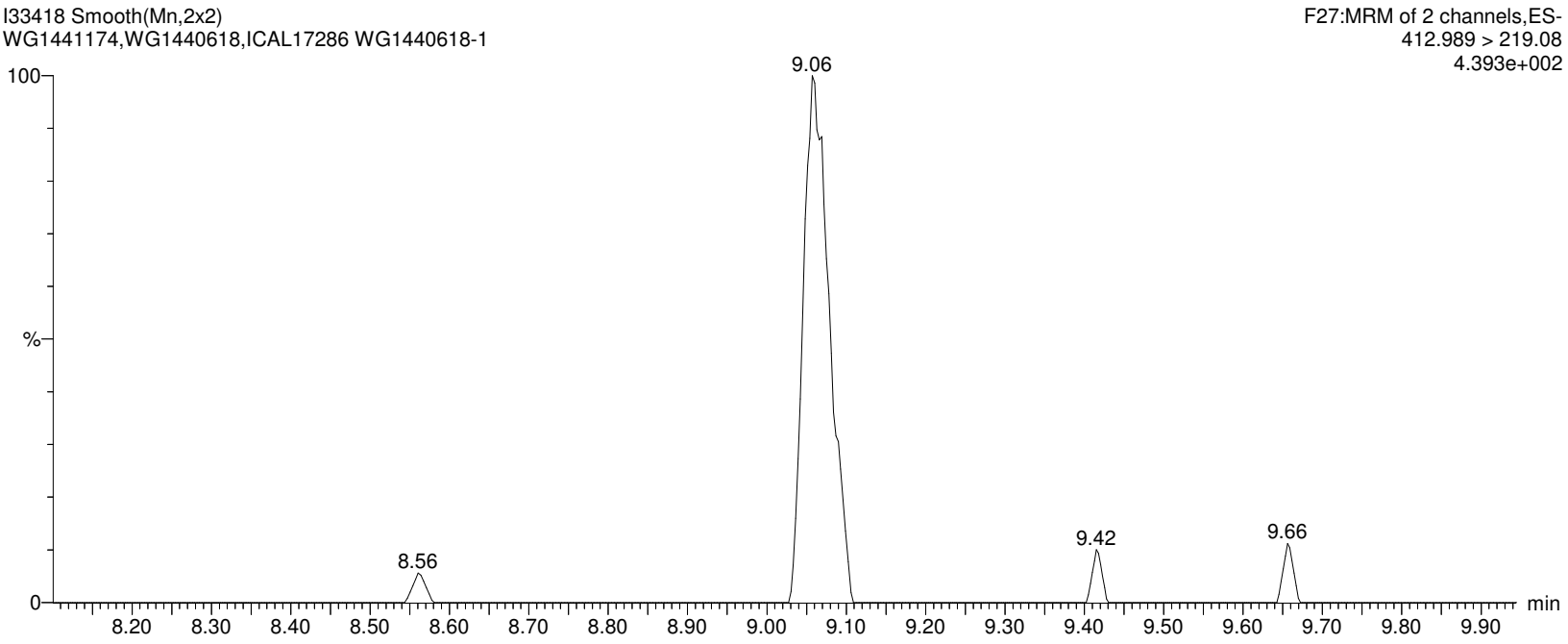

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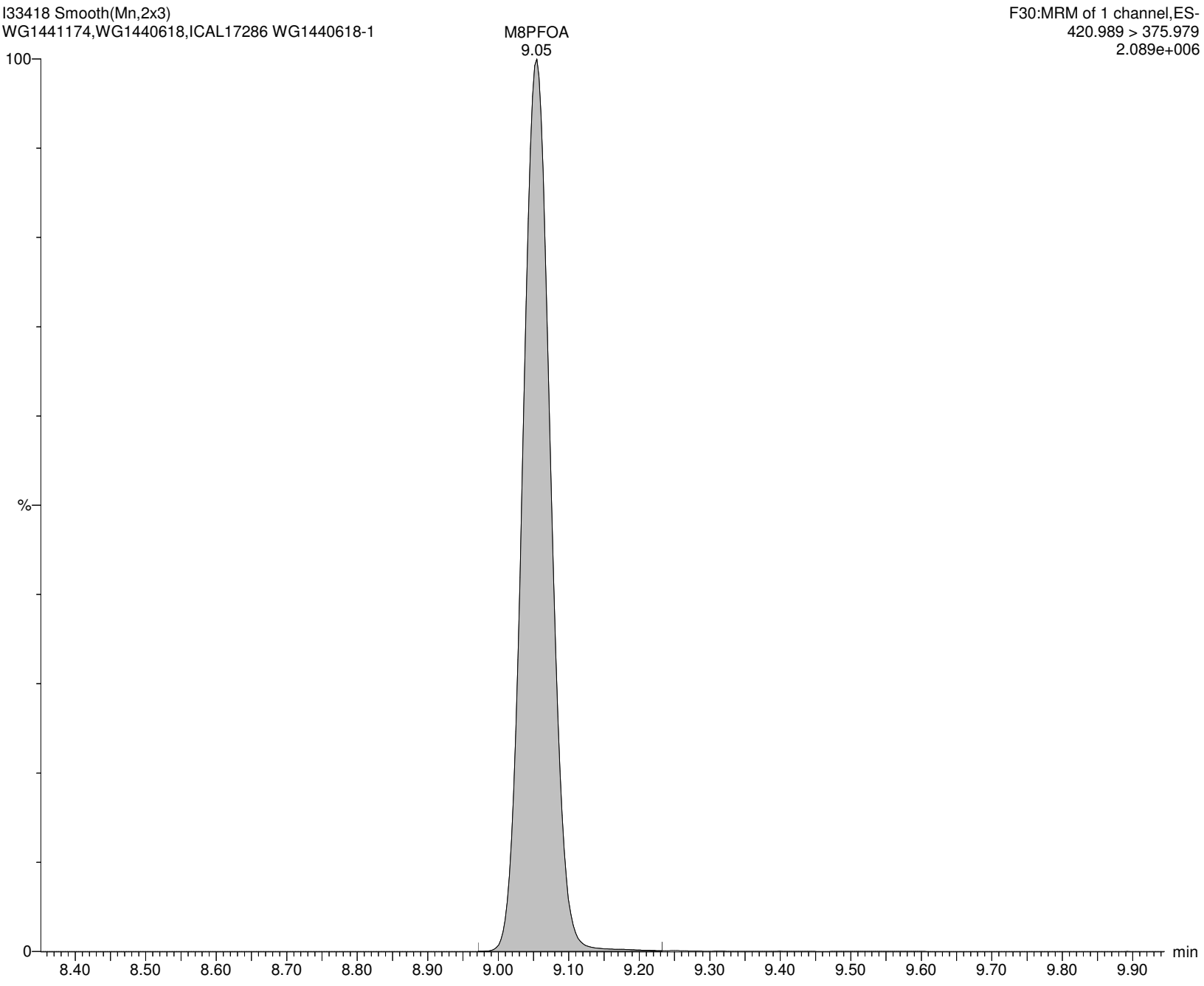

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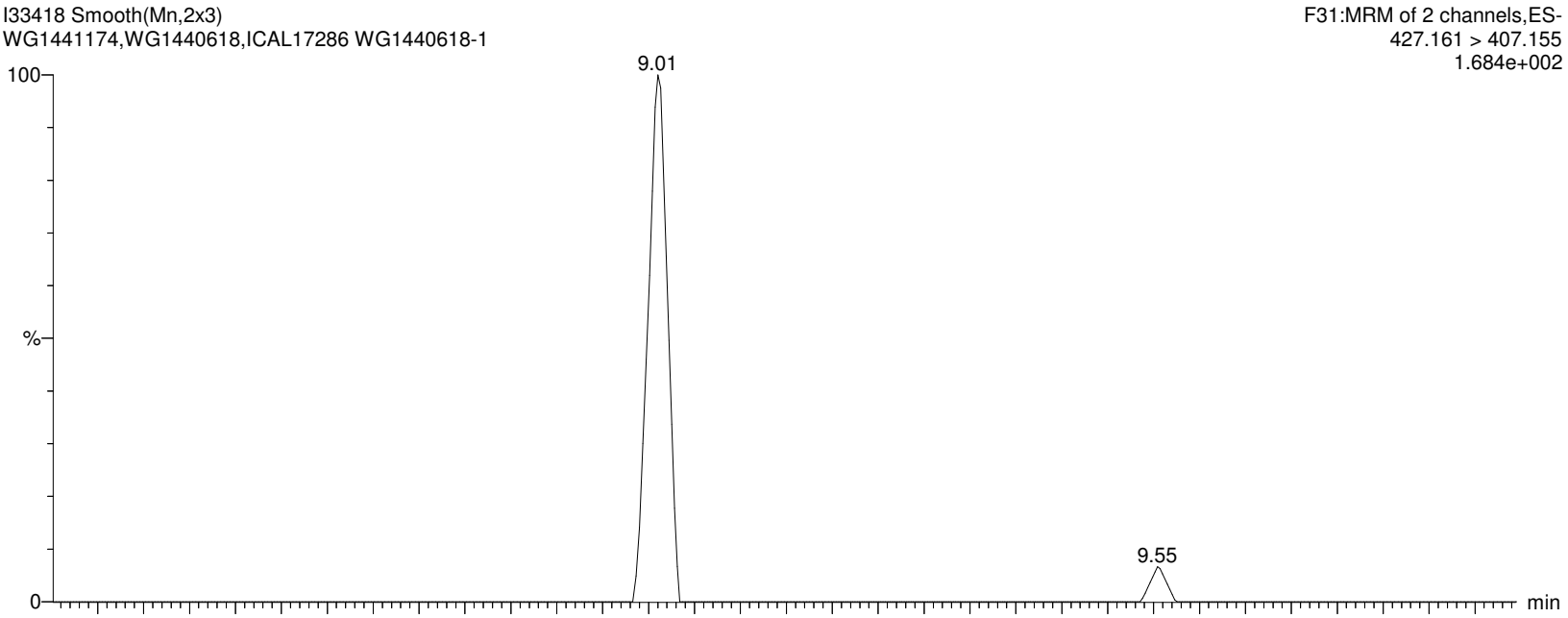

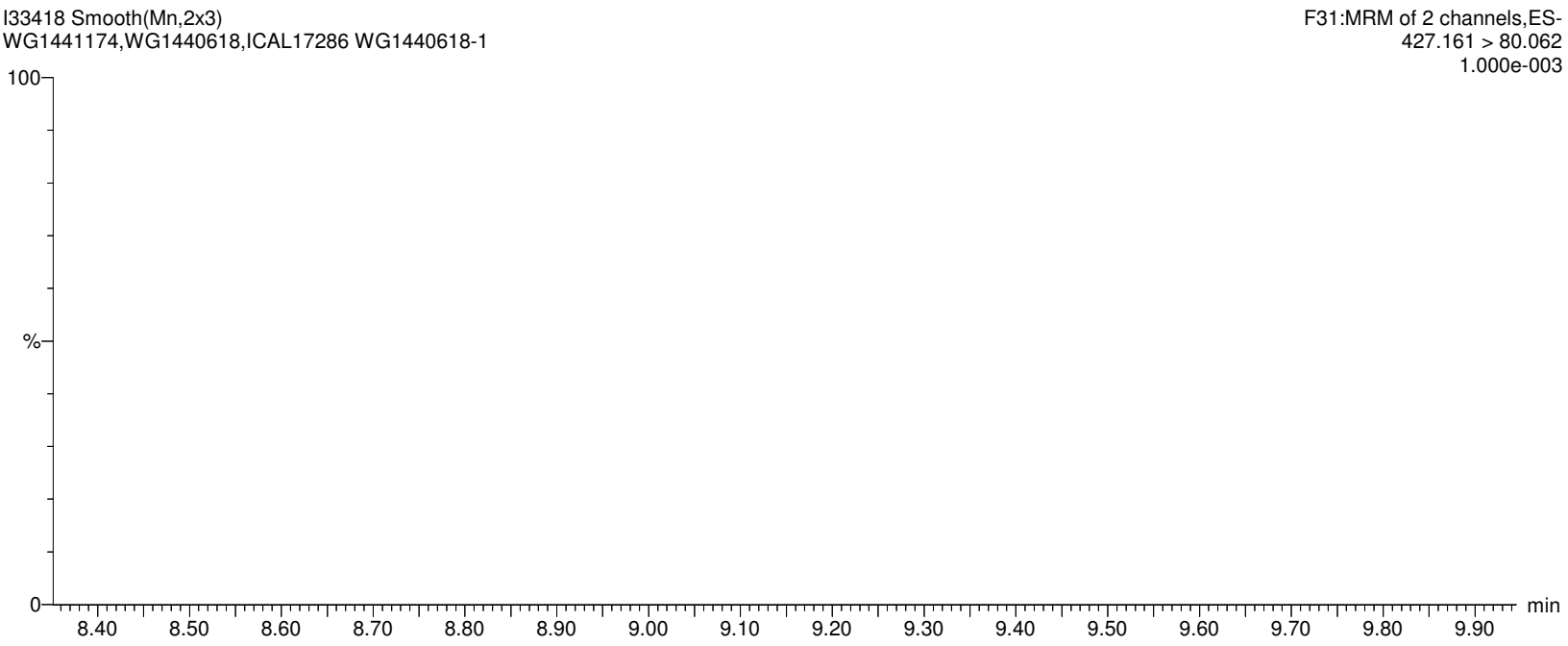

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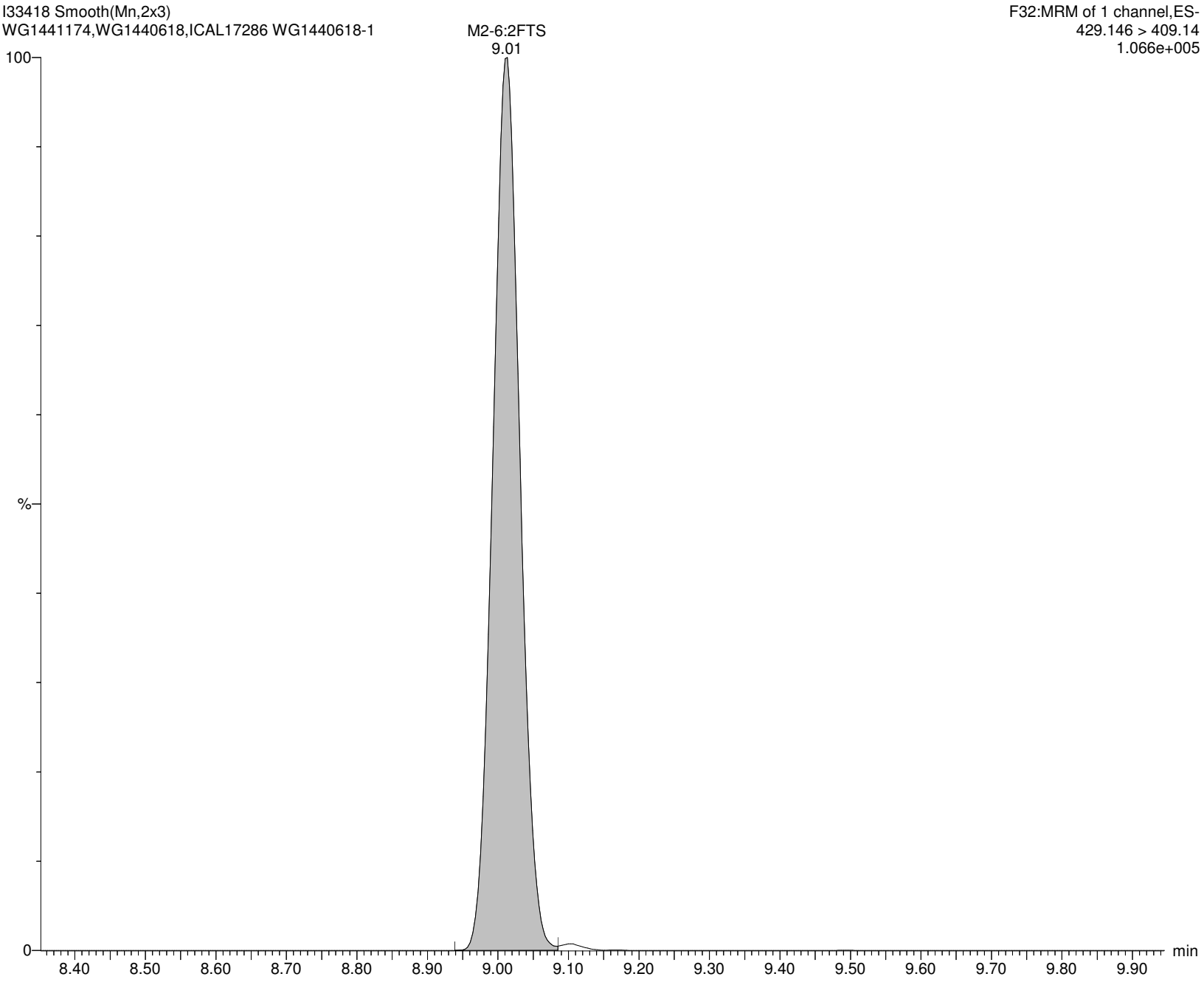

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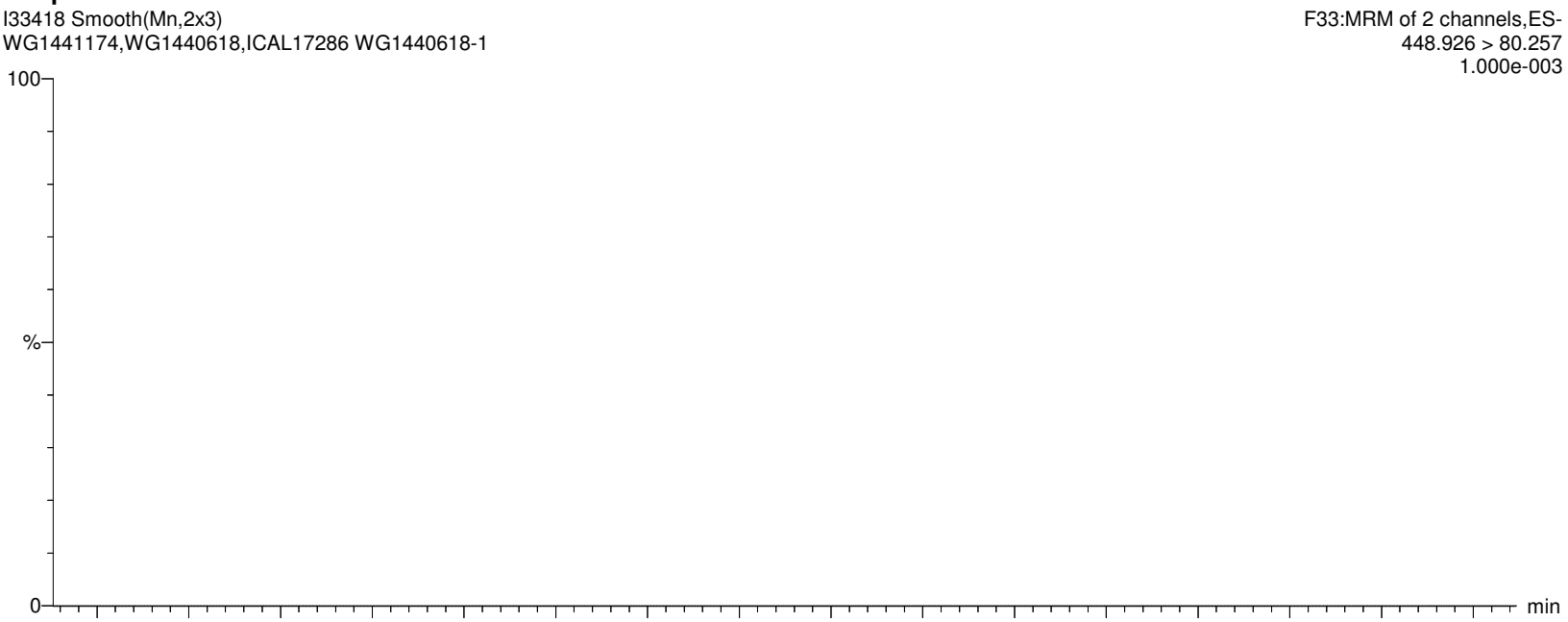

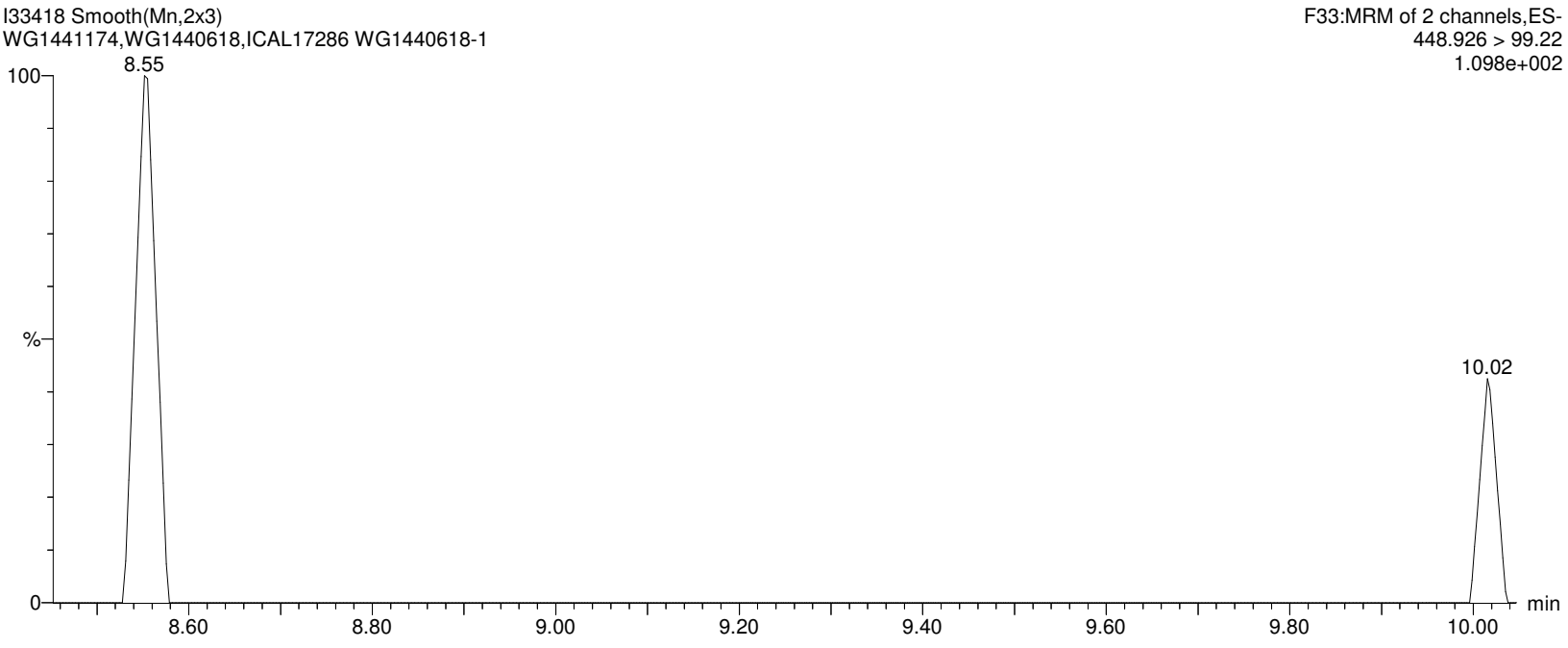

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
Last Altered: Sunday, December 06, 2020 22:56:32 Eastern Standard Time
Printed: Sunday, December 06, 2020 22:59:35 Eastern Standard Time

Name: I33418
ID: WG1440618-1
Date: 04-Dec-2020
Time: 16:28:57
Description: WG1441174,WG1440618,ICAL17286
User: LCMS02:JW
Vial: 1:C,8
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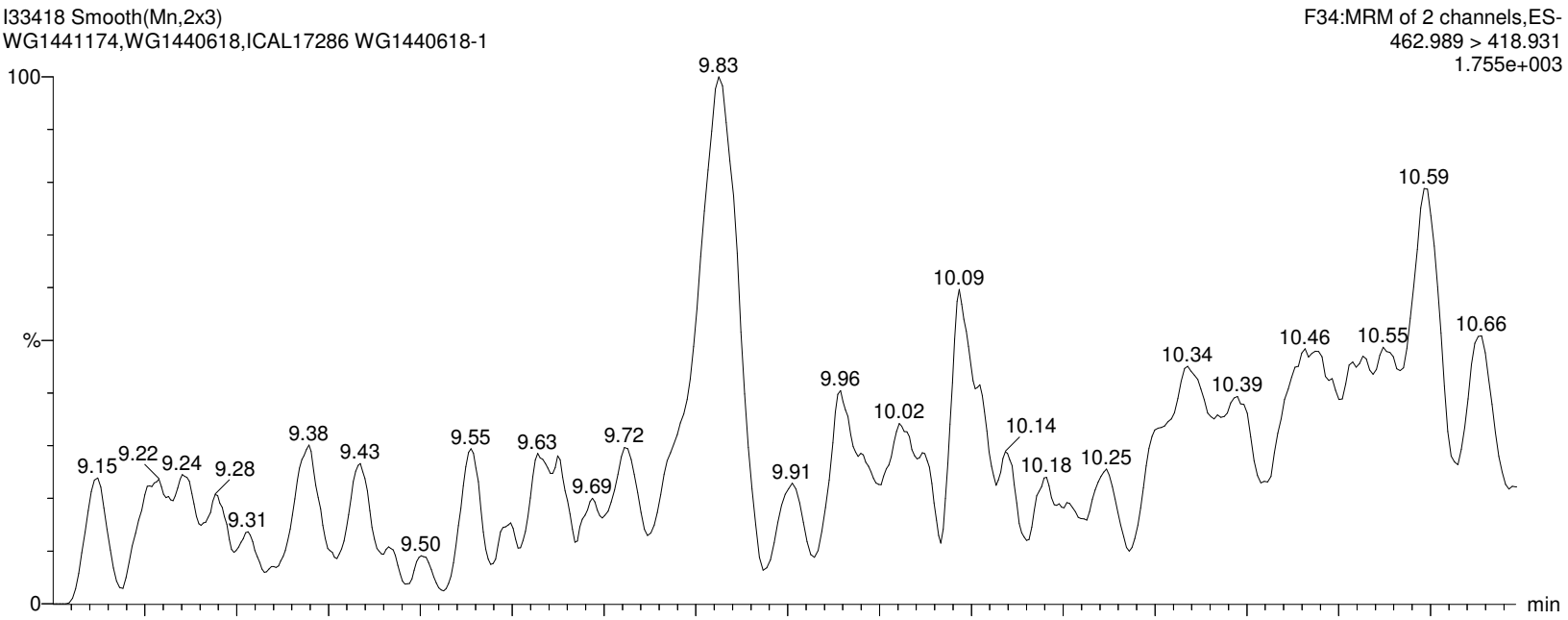

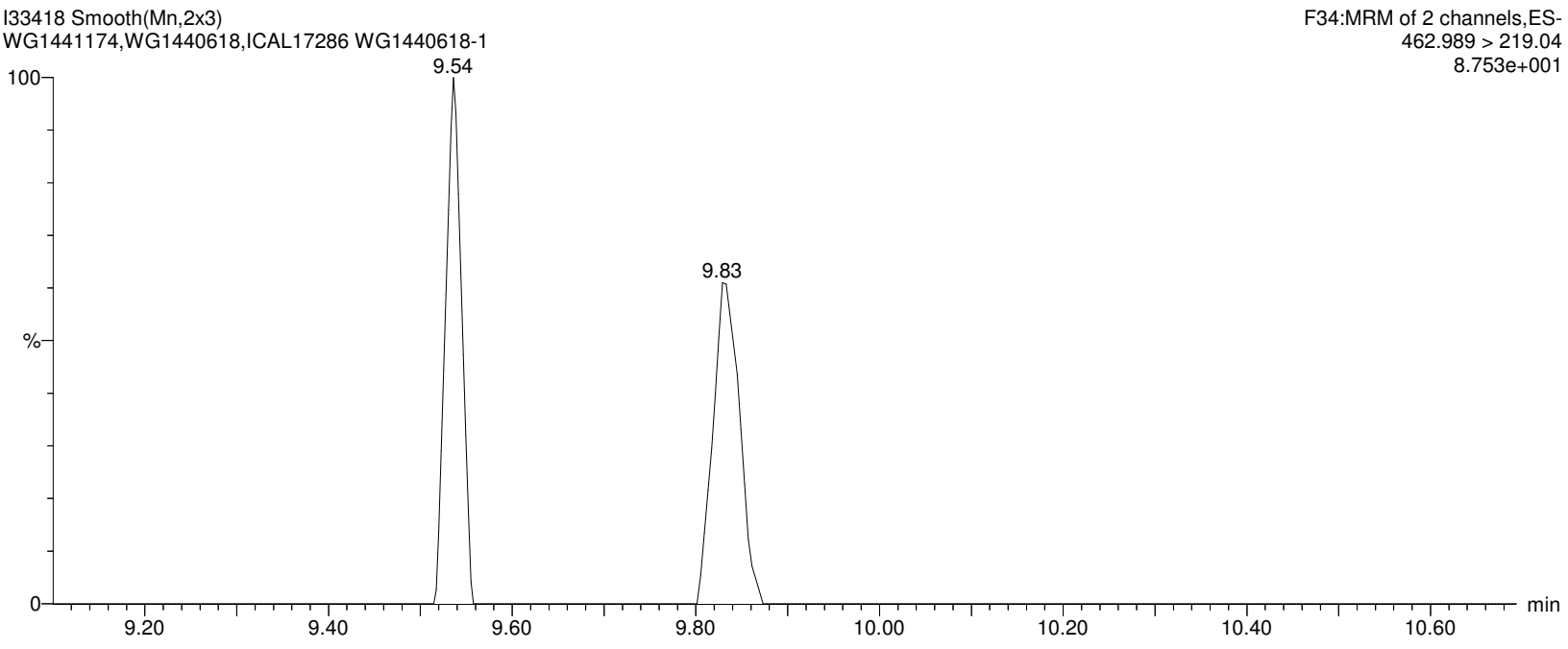

all concentration units in (ng/mL)

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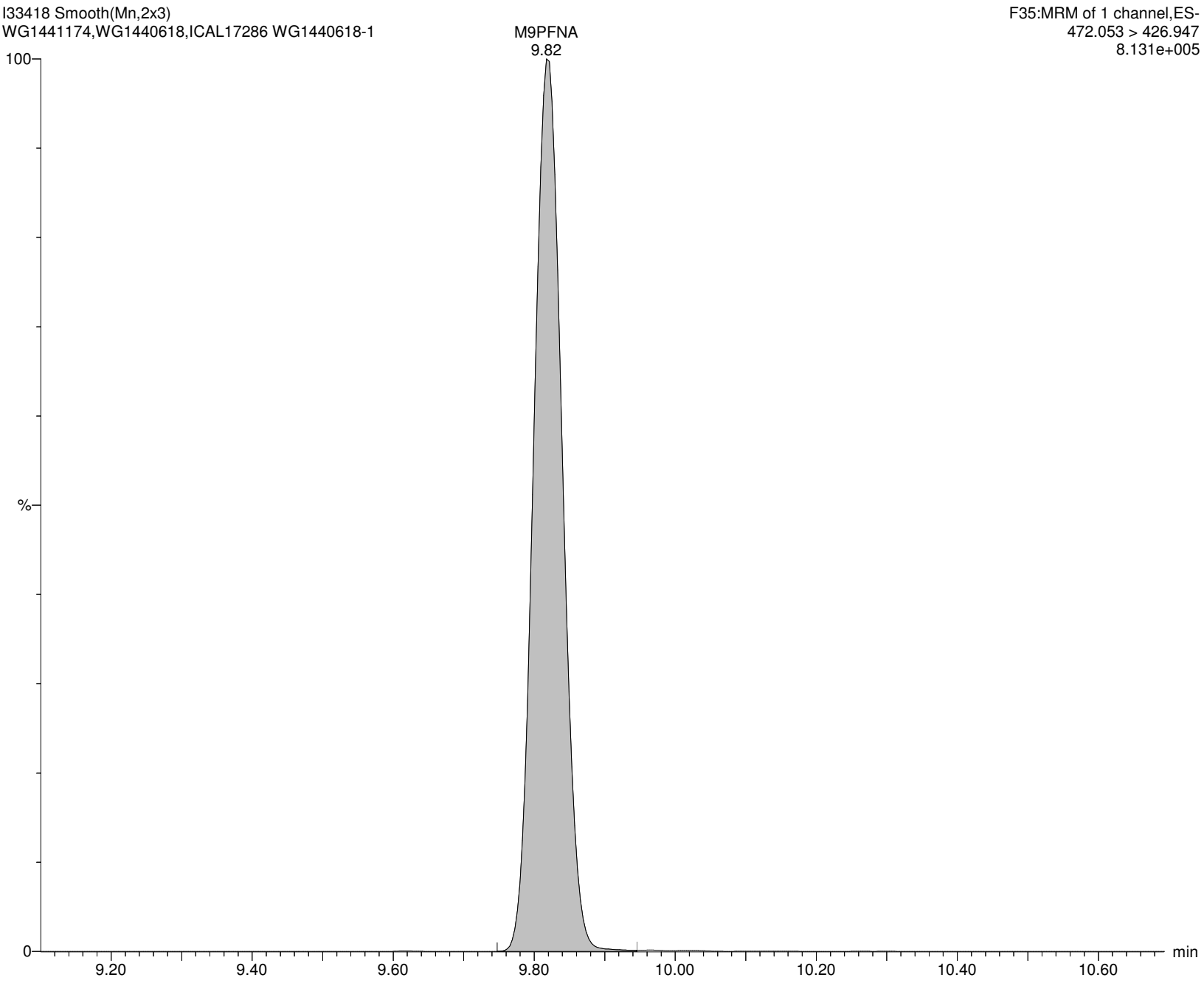

all concentration units in (ng/mL)

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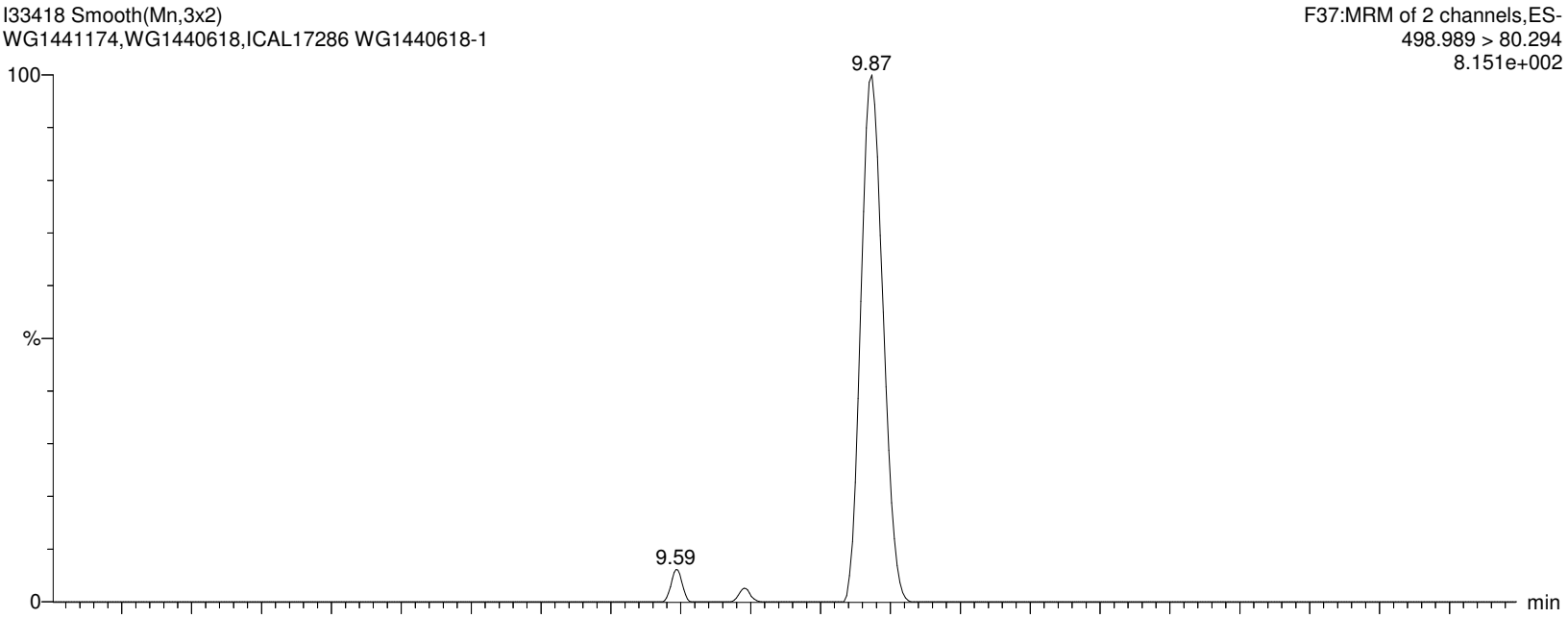

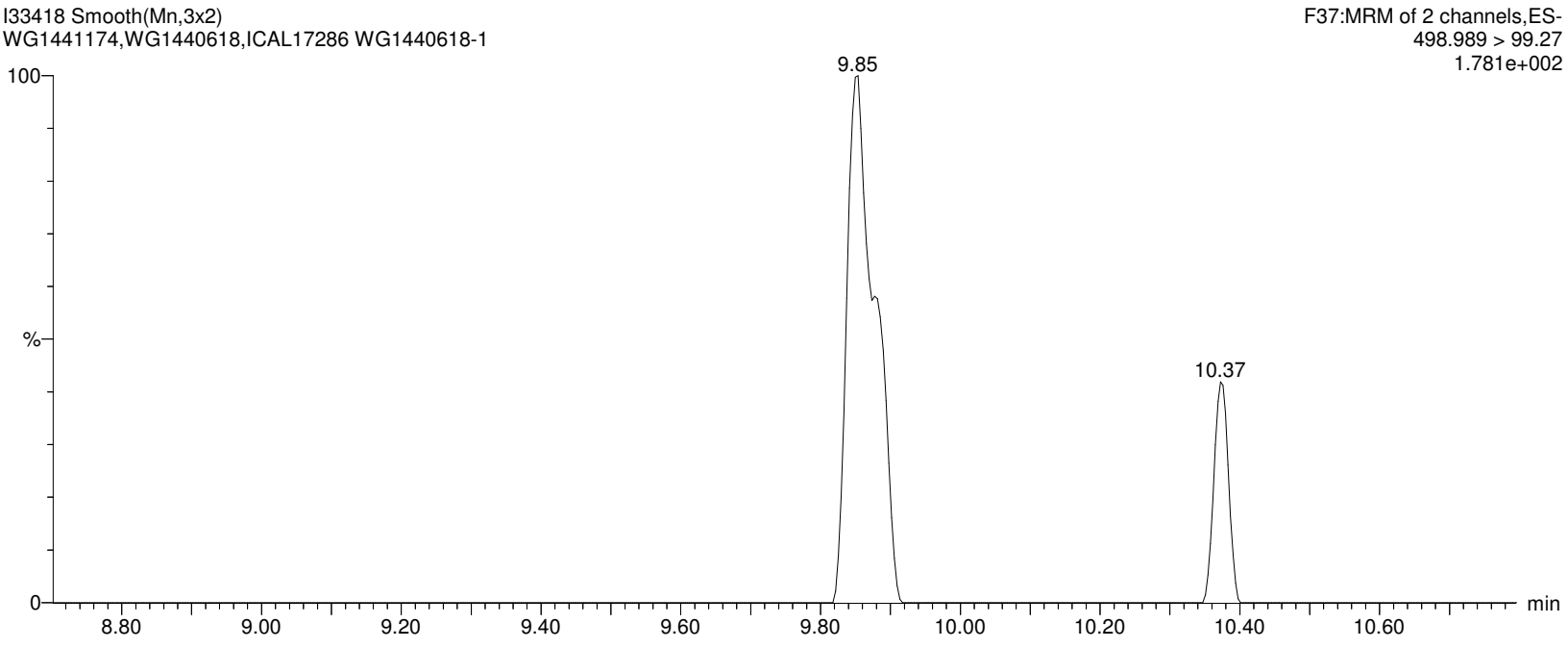

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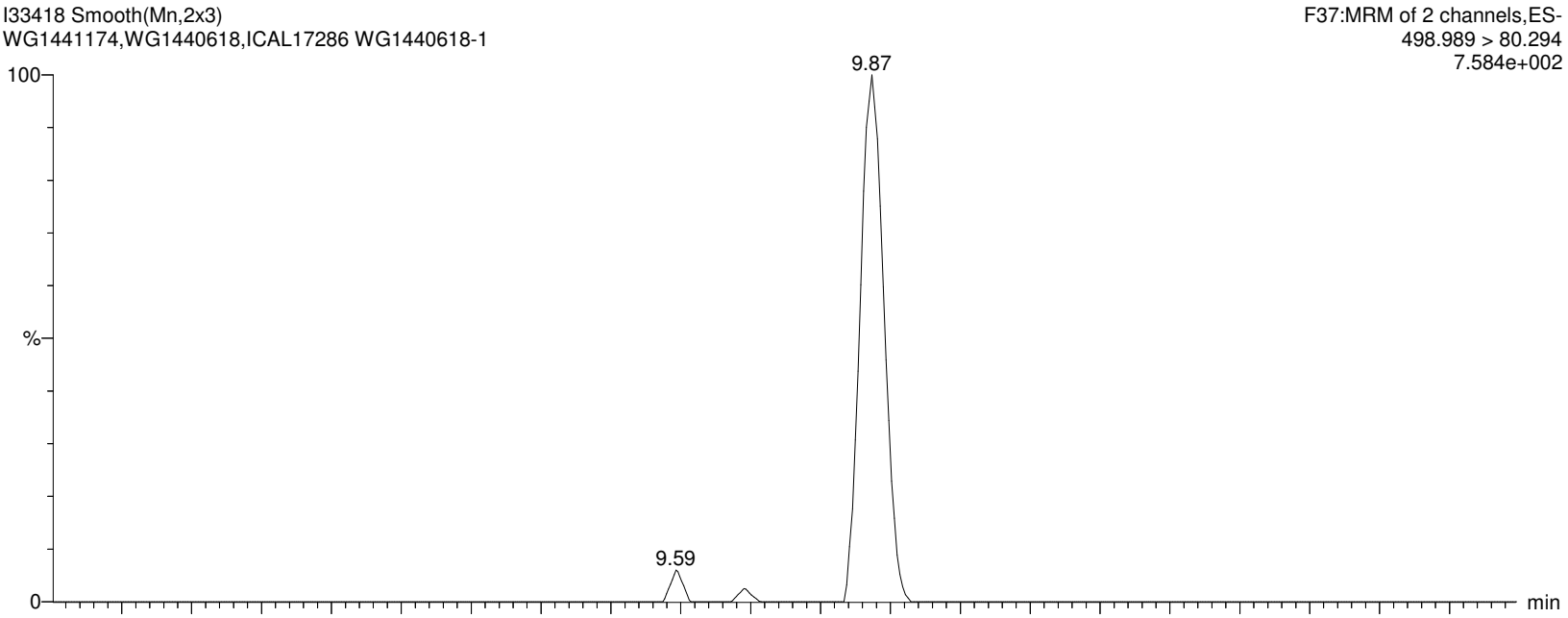

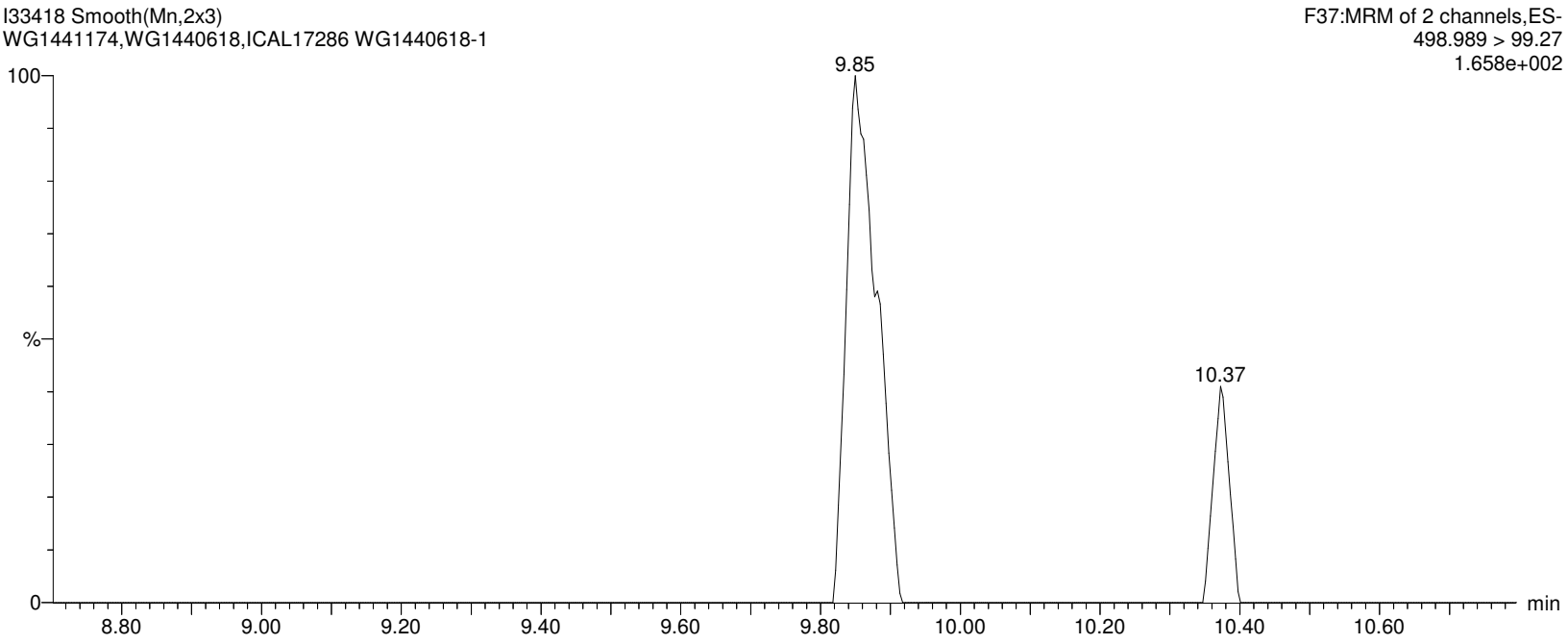

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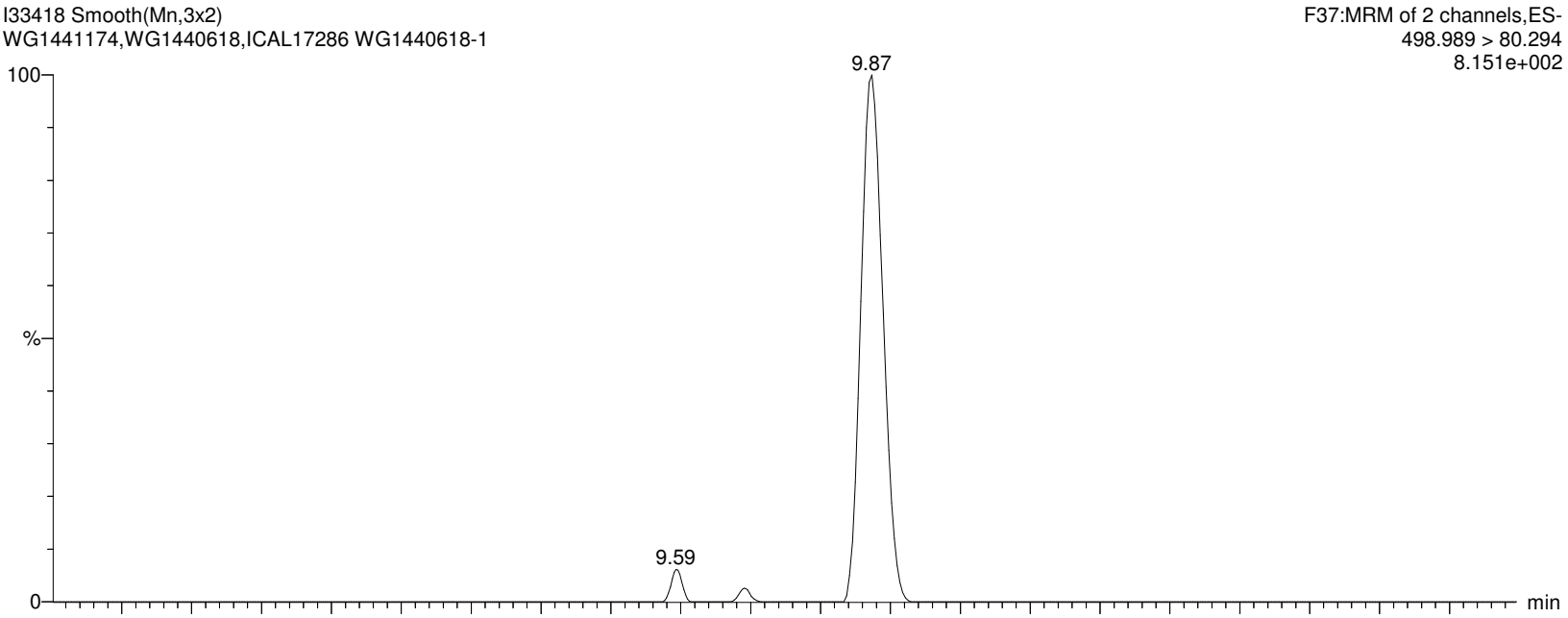

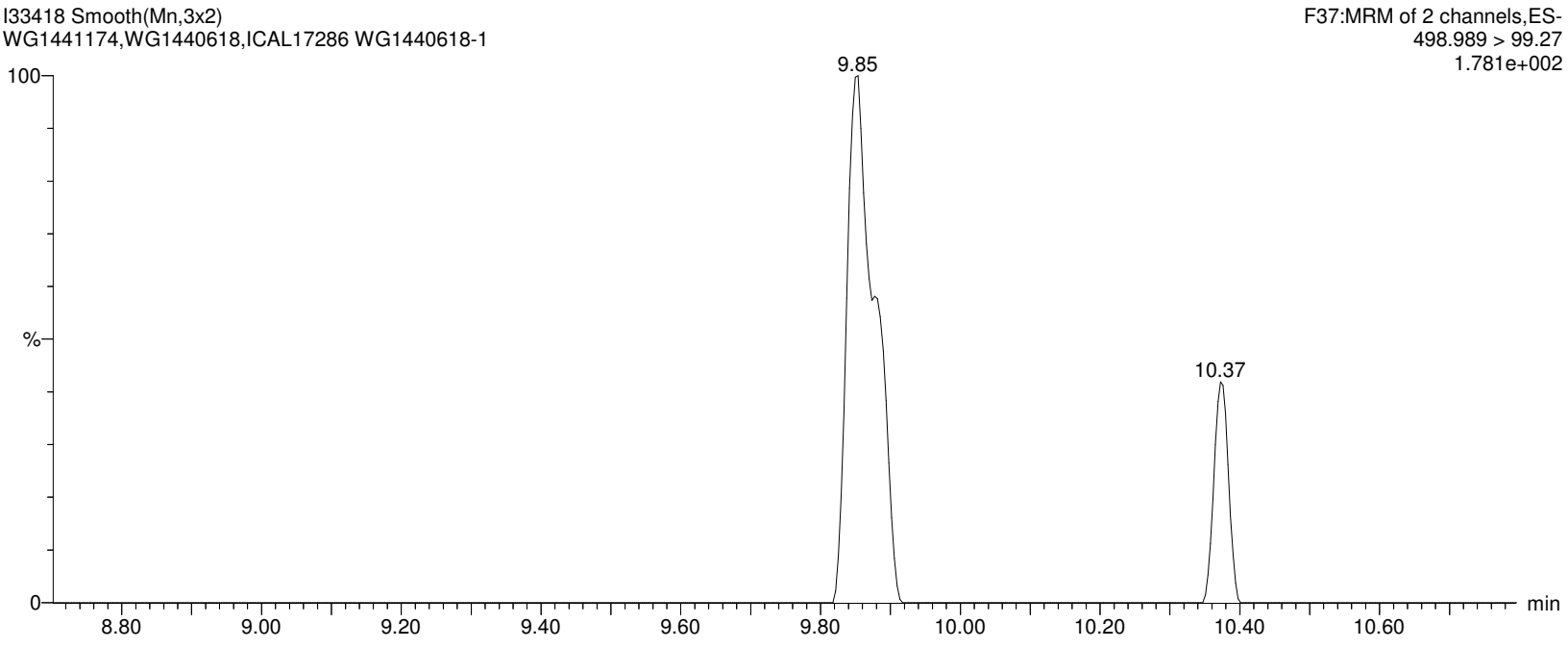

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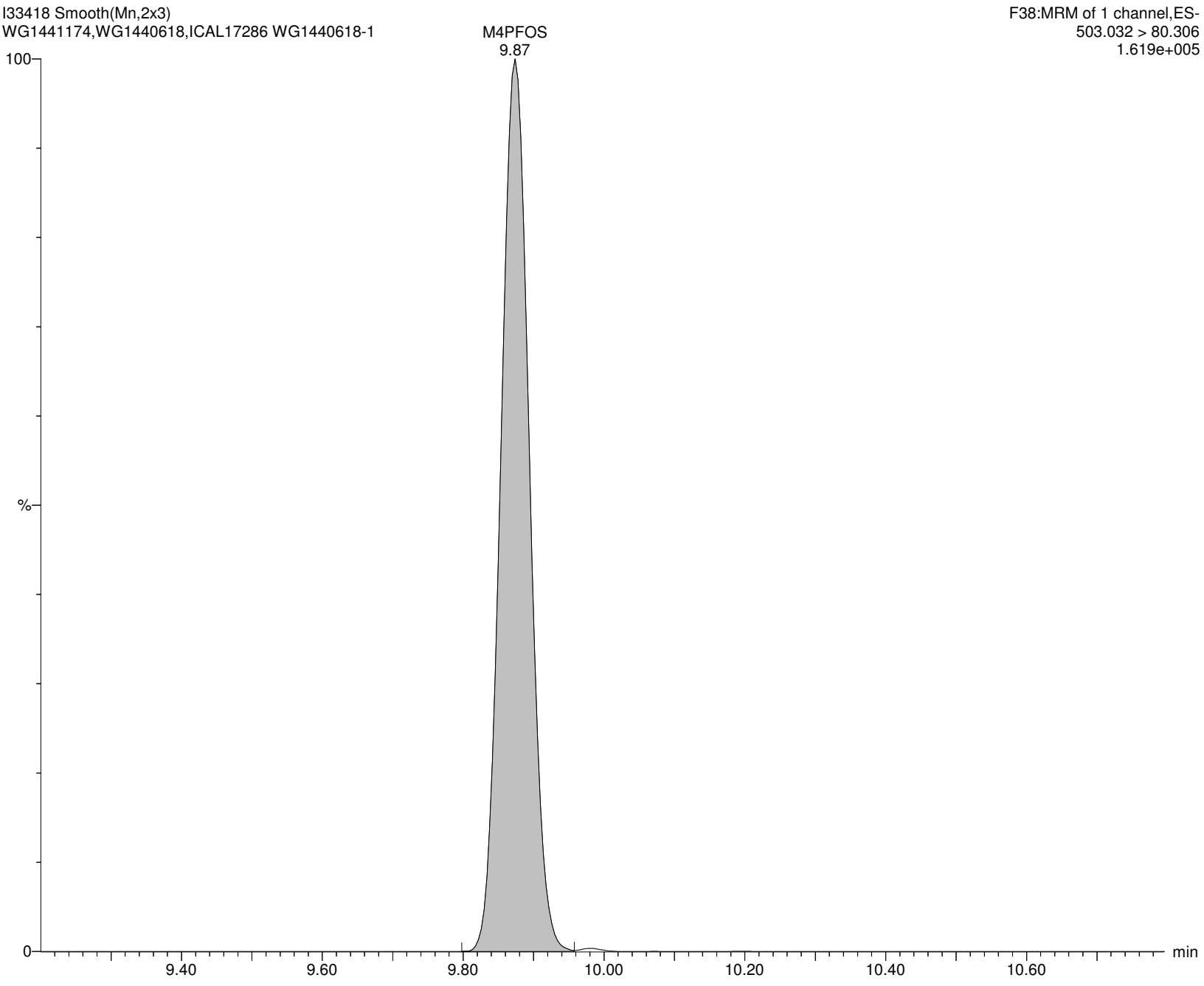

all concentration units in (ng/mL)

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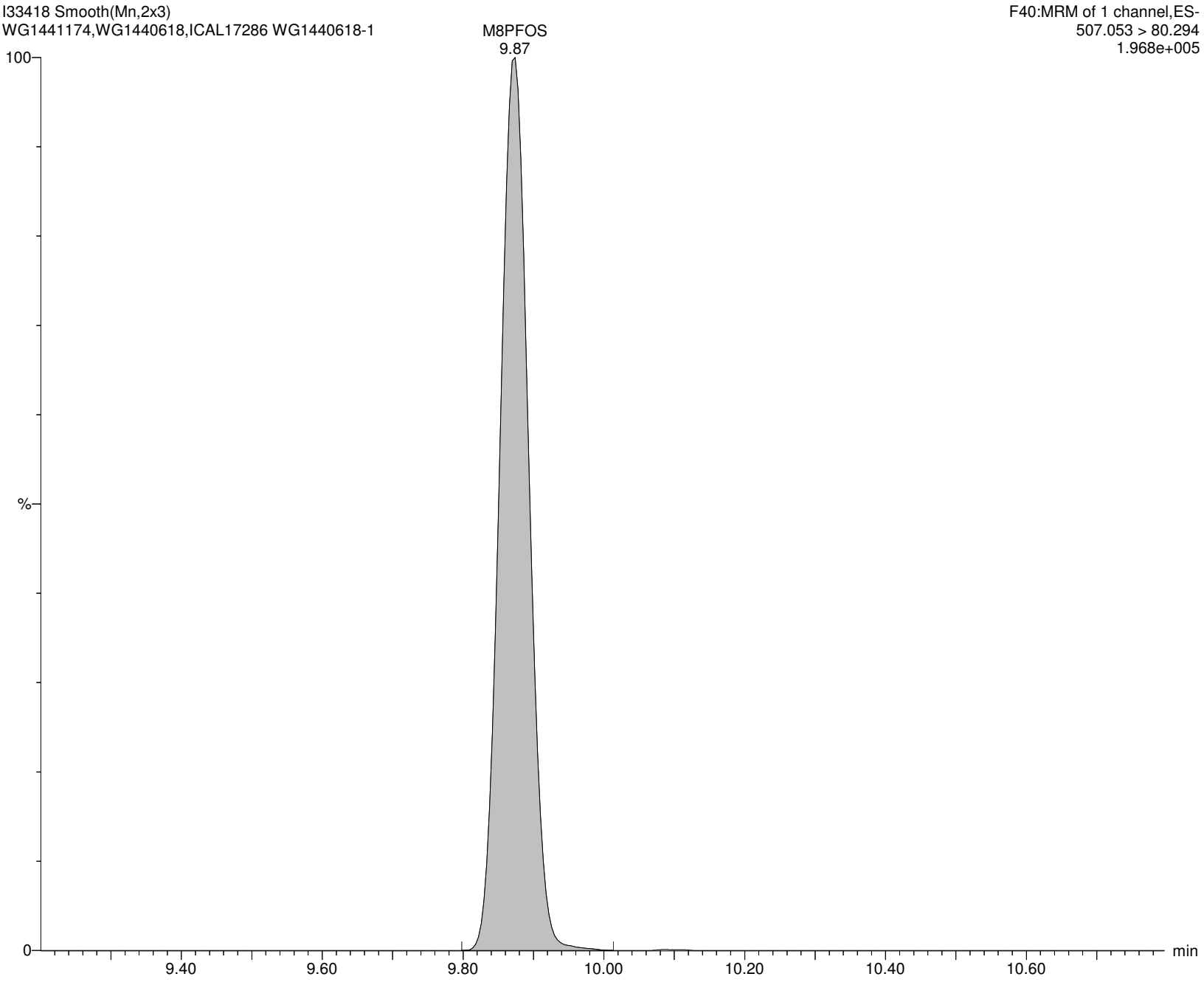

all concentration units in (ng/mL)

Alpha Analytical Inc.
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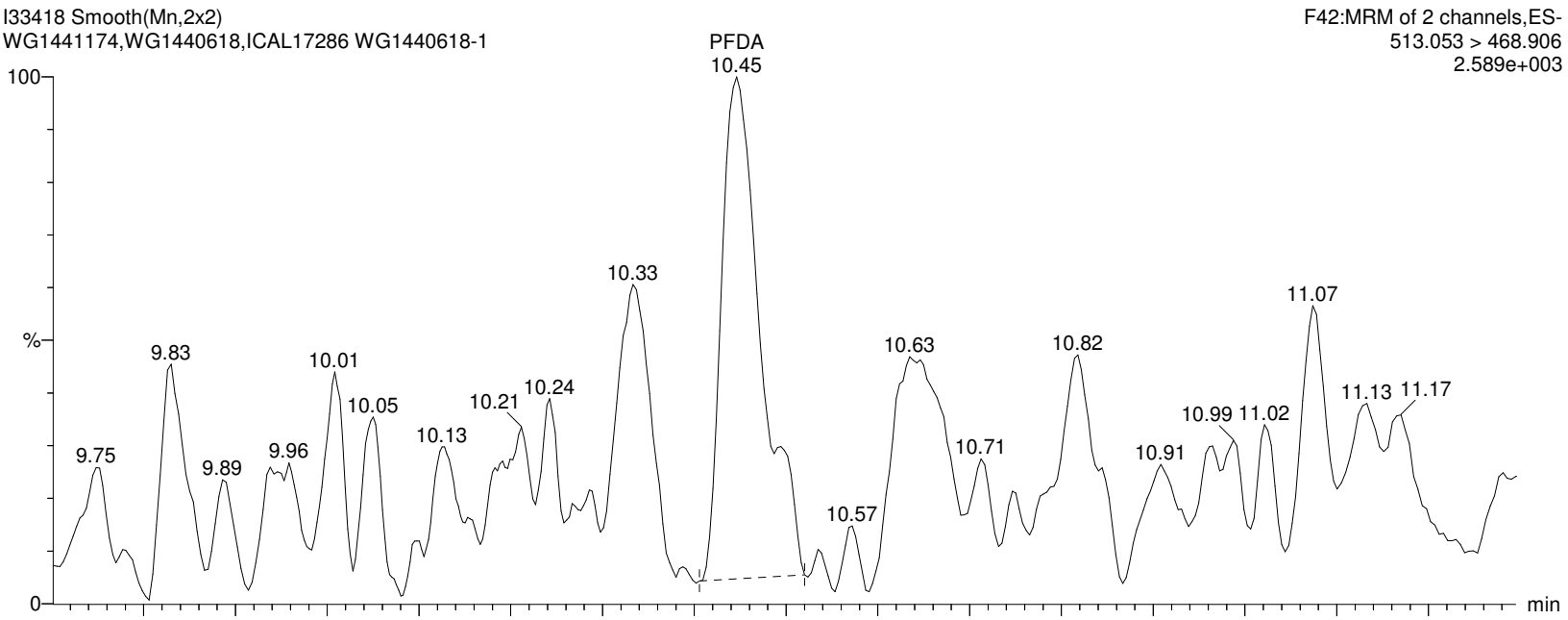

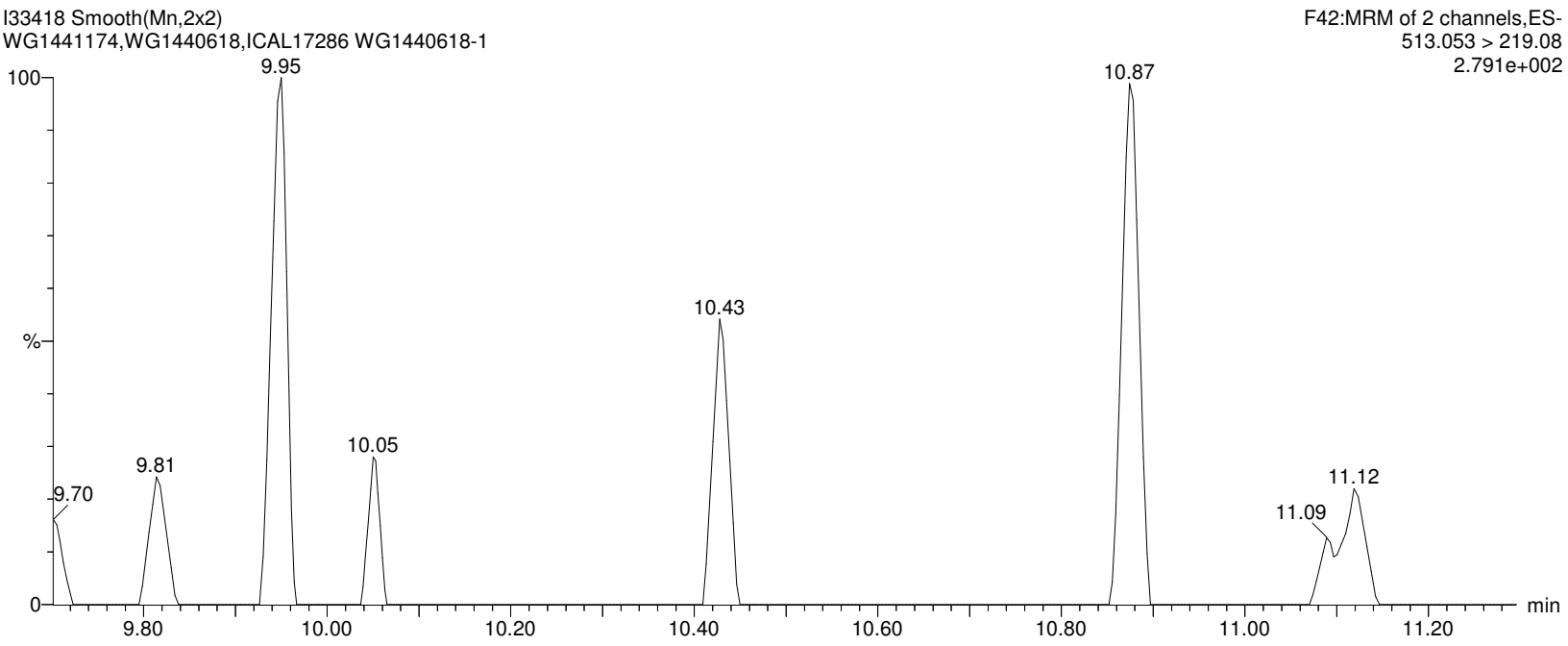

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
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Vial: 1:C,8
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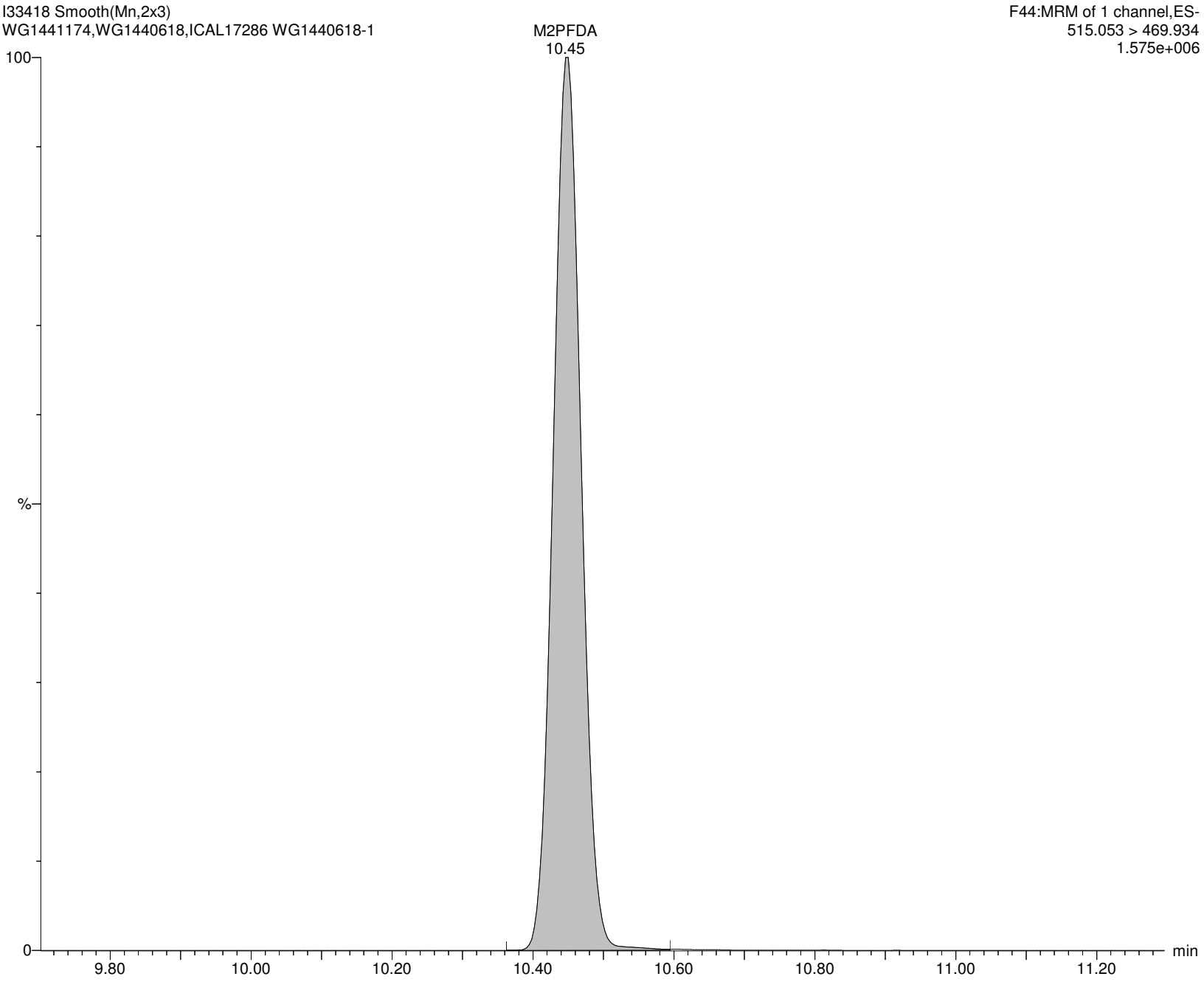

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
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Vial: 1:C,8
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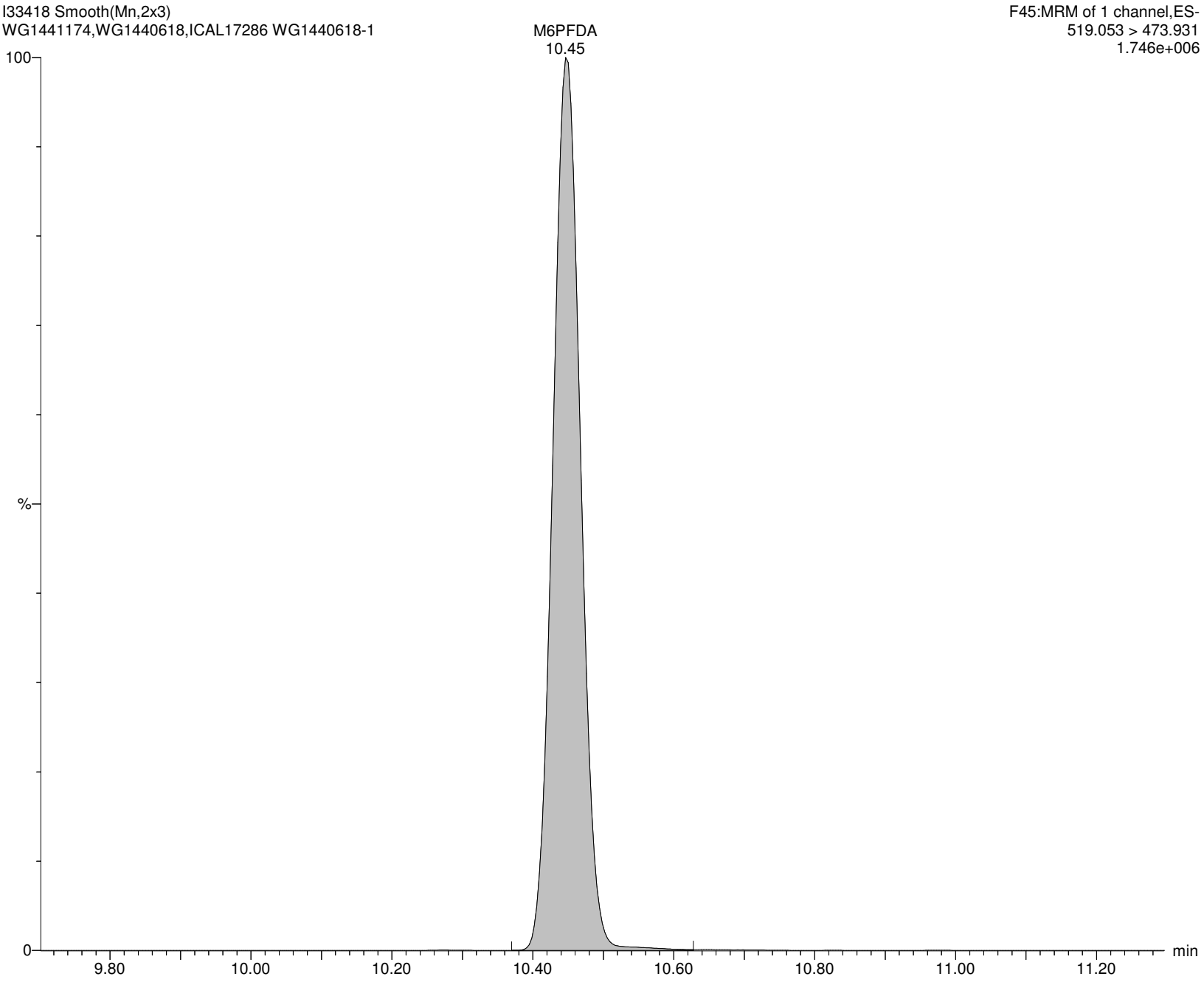

all concentration units in (ng/mL)

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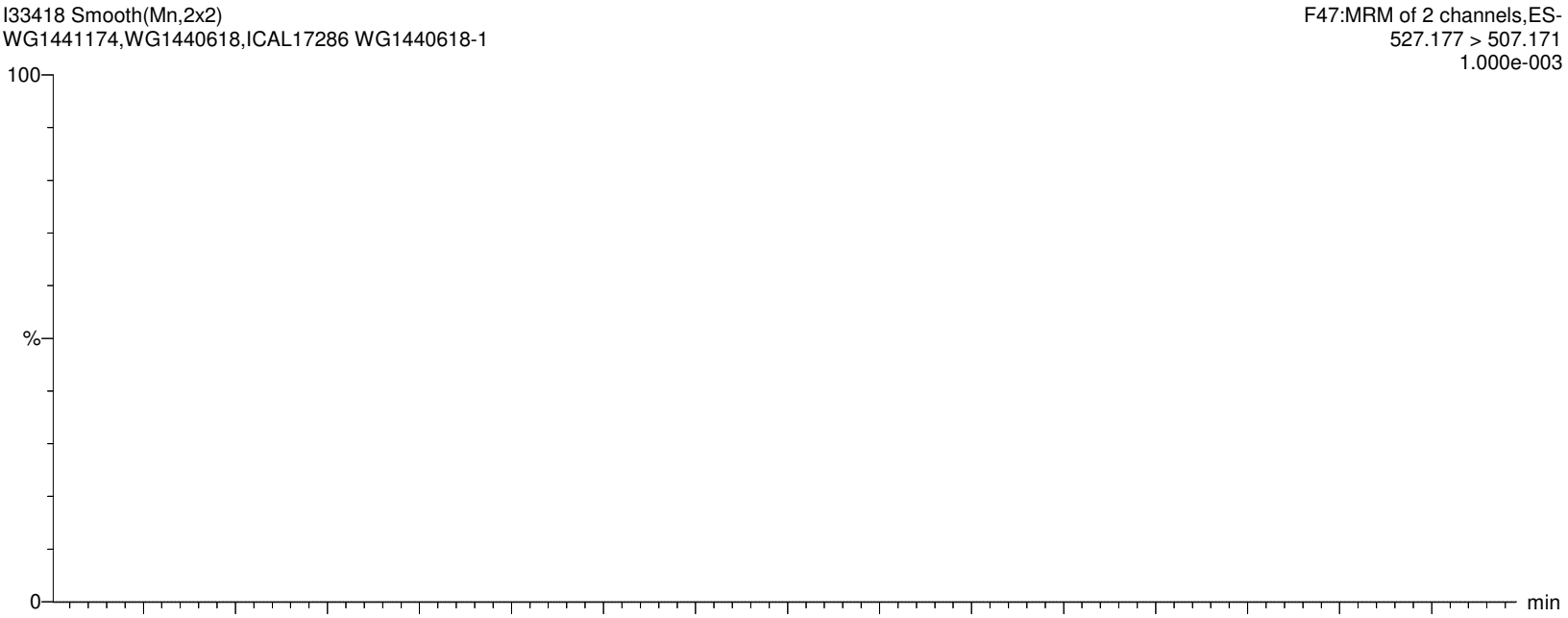

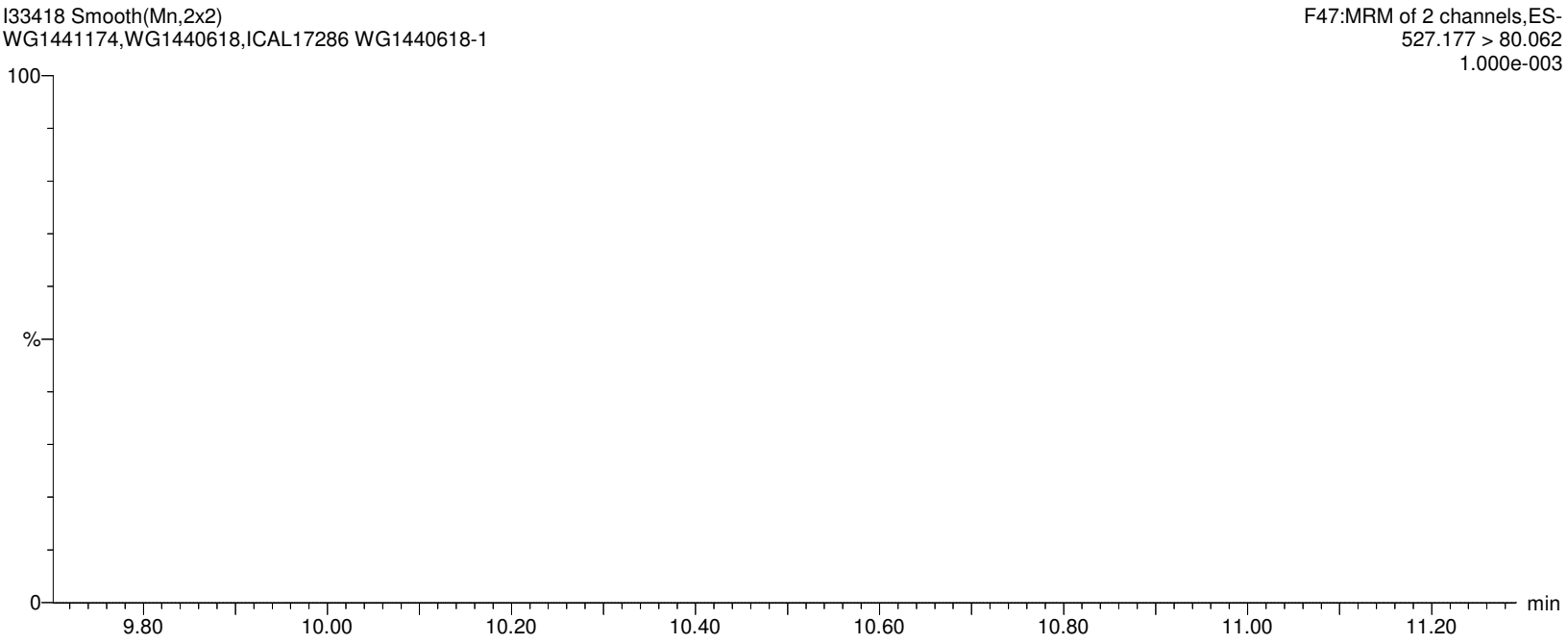

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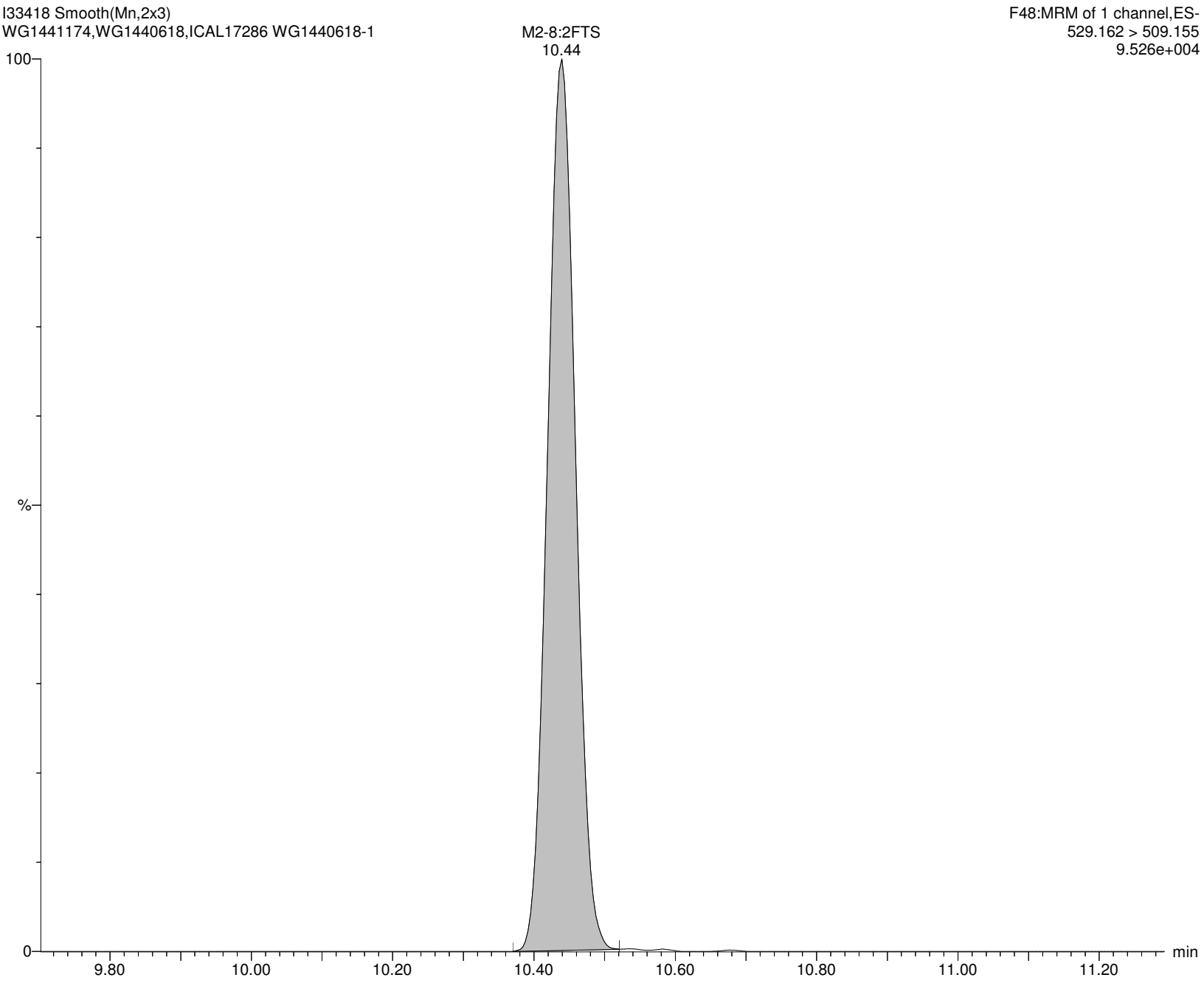

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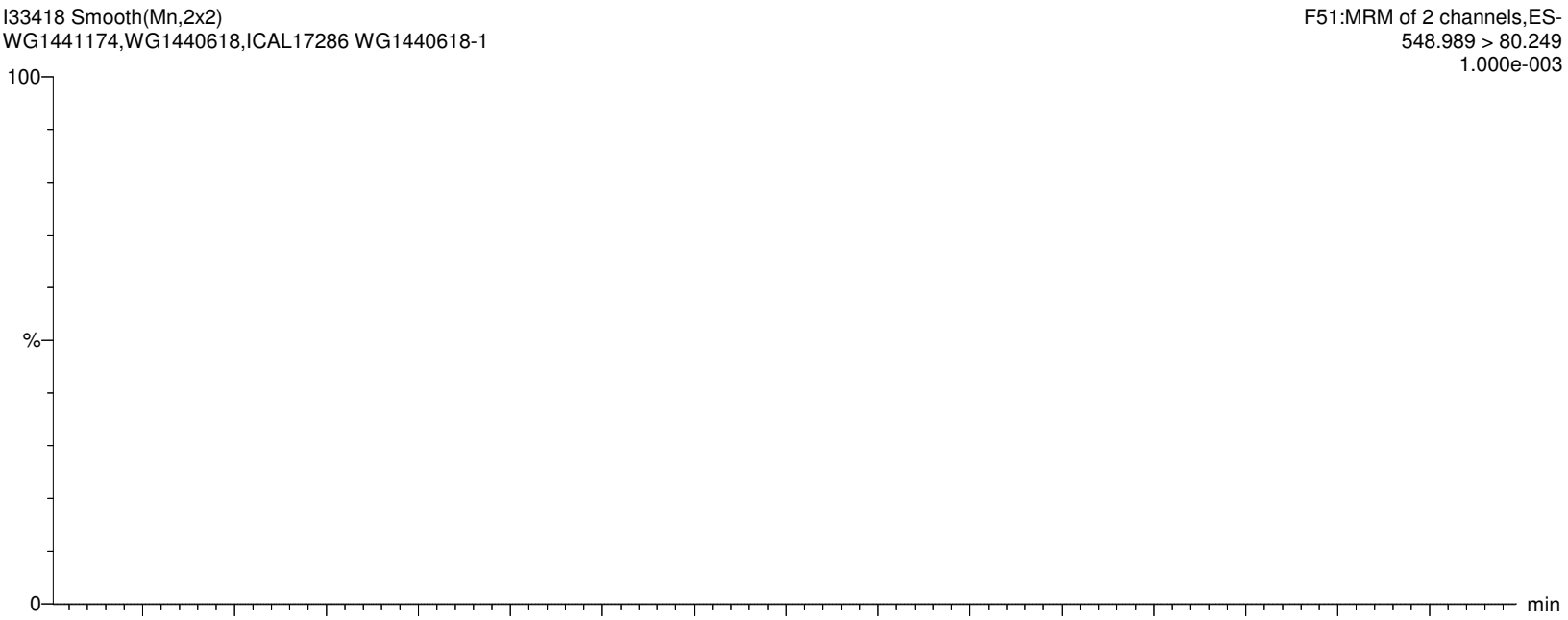

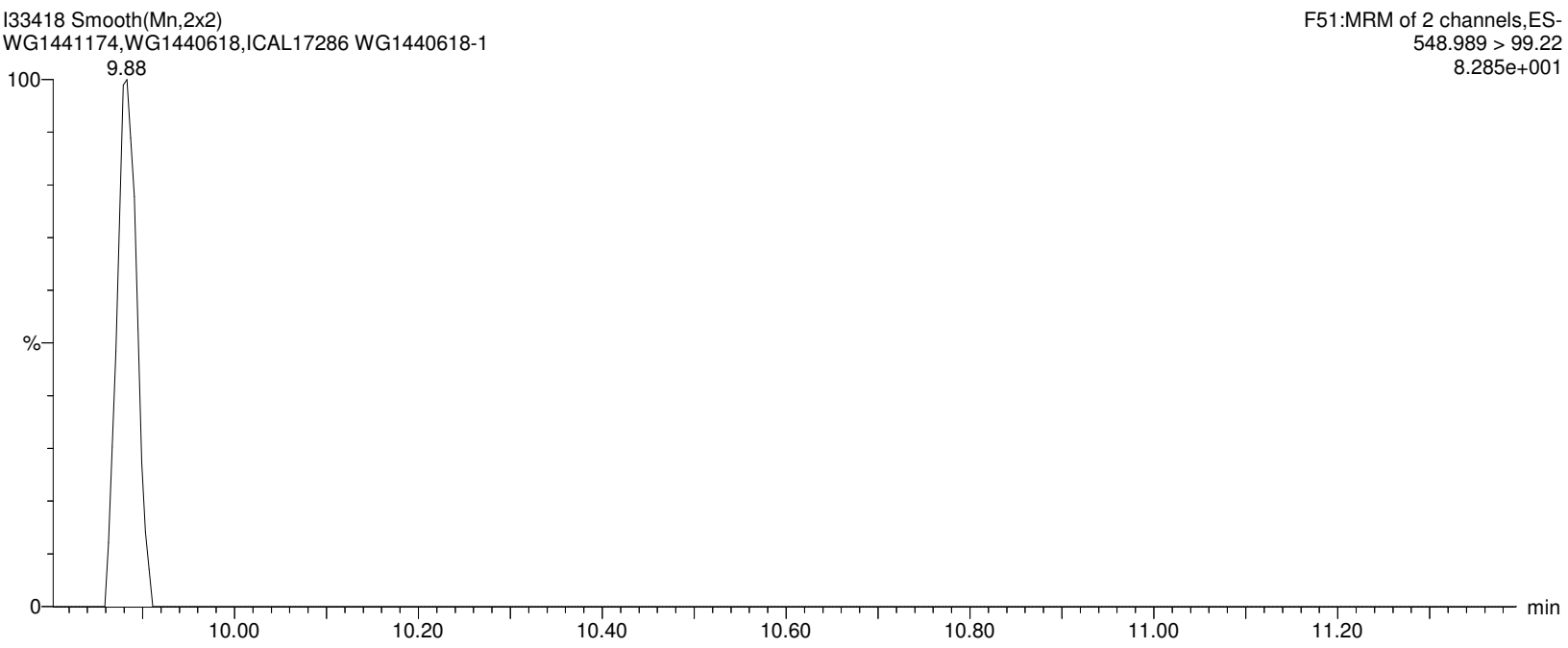

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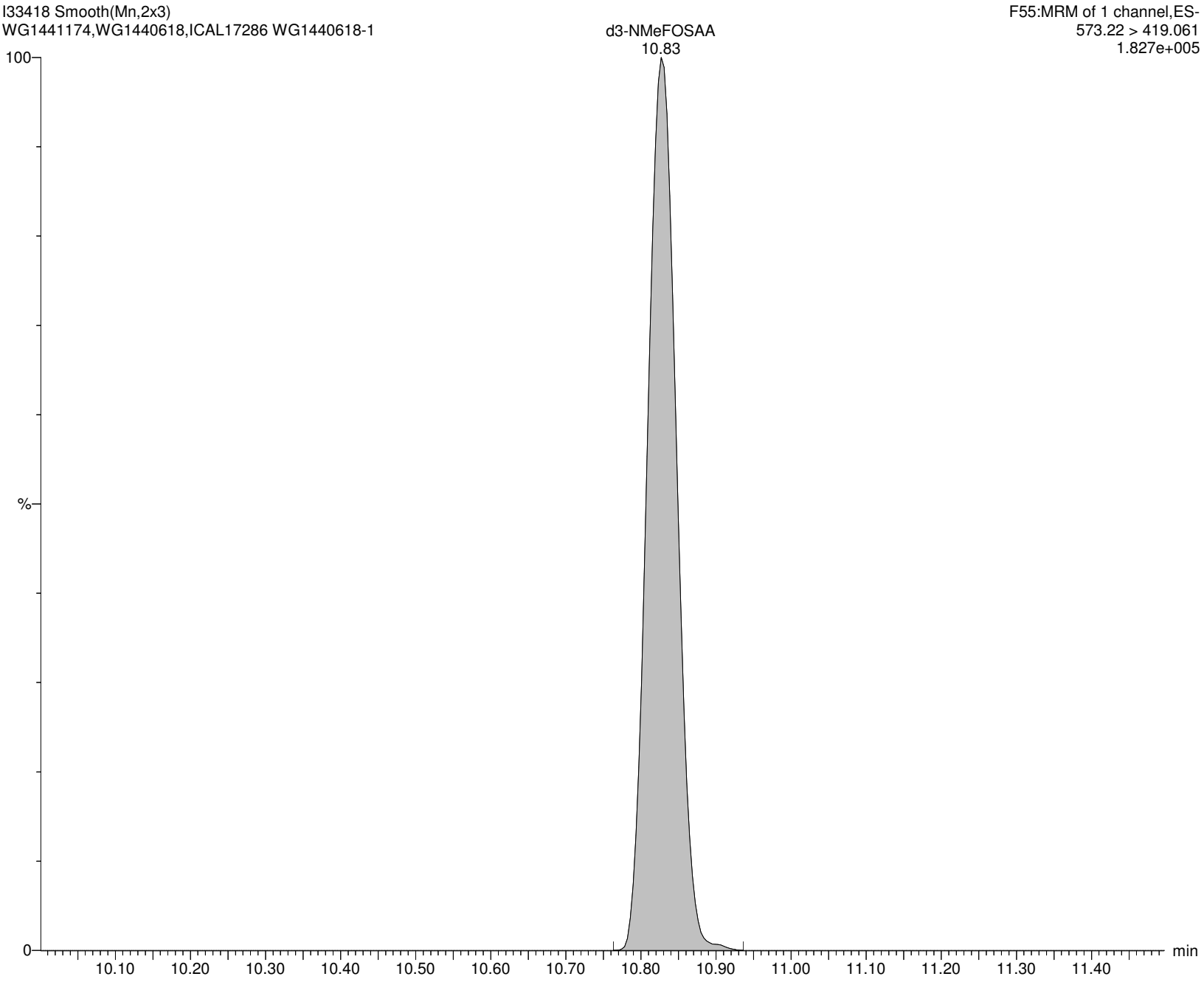

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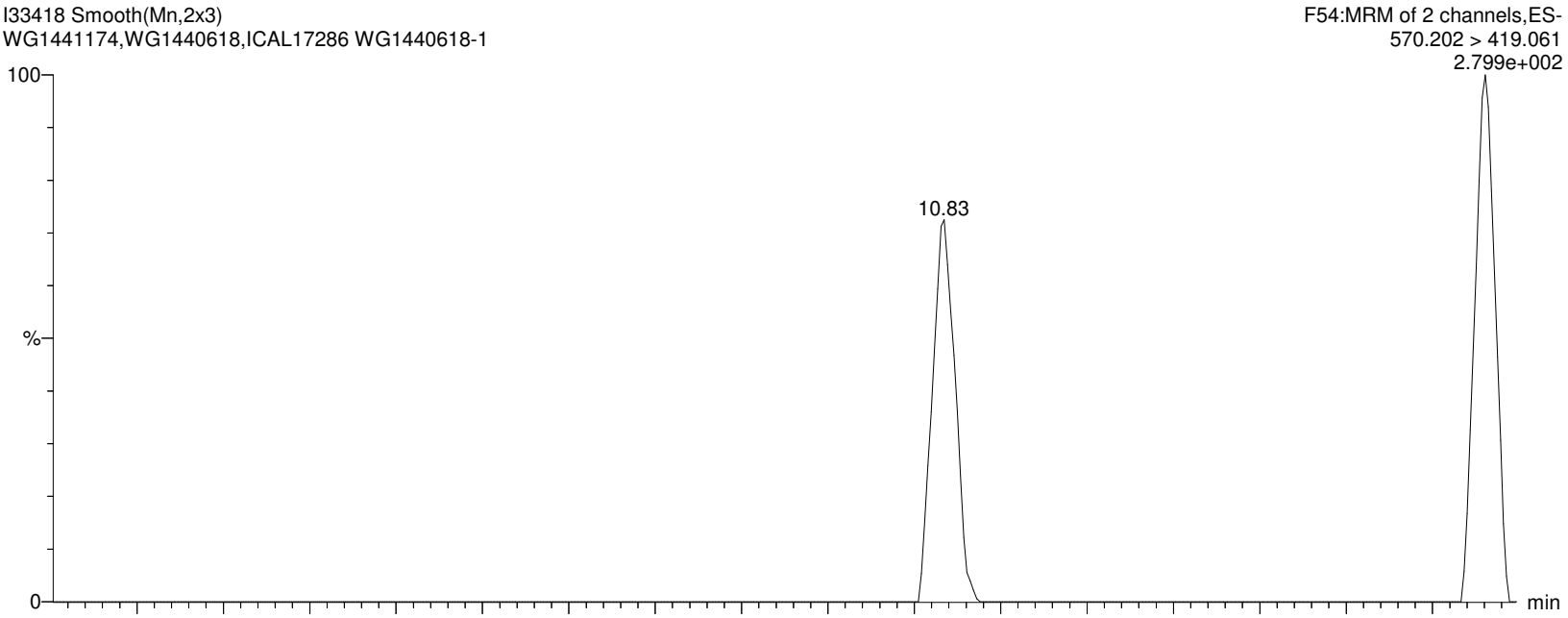

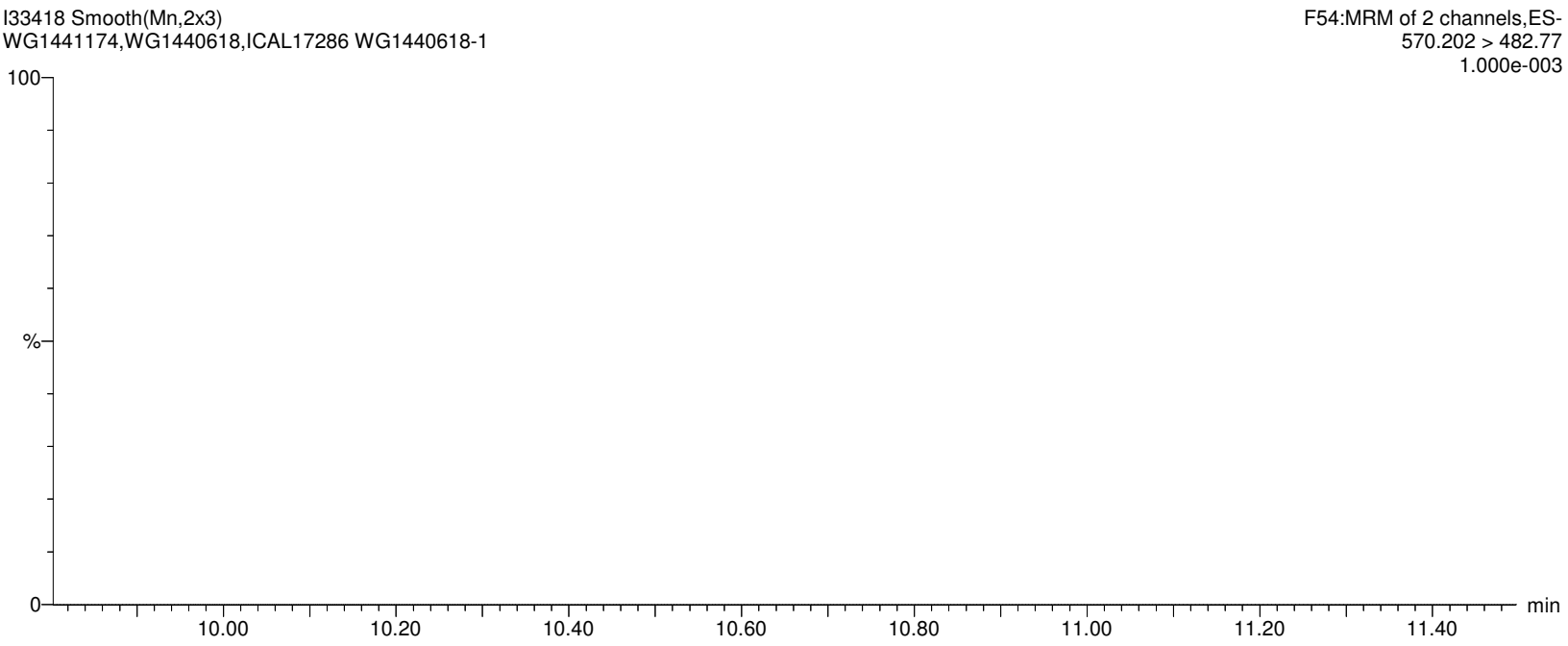

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
Last Altered: Sunday, December 06, 2020 22:56:32 Eastern Standard Time
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Name: I33418
ID: WG1440618-1
Date: 04-Dec-2020
Time: 16:28:57
Description: WG1441174,WG1440618,ICAL17286
User: LCMS02:JW
Vial: 1:C,8
Instrument: XEVO-TQSmicro#QEB0050
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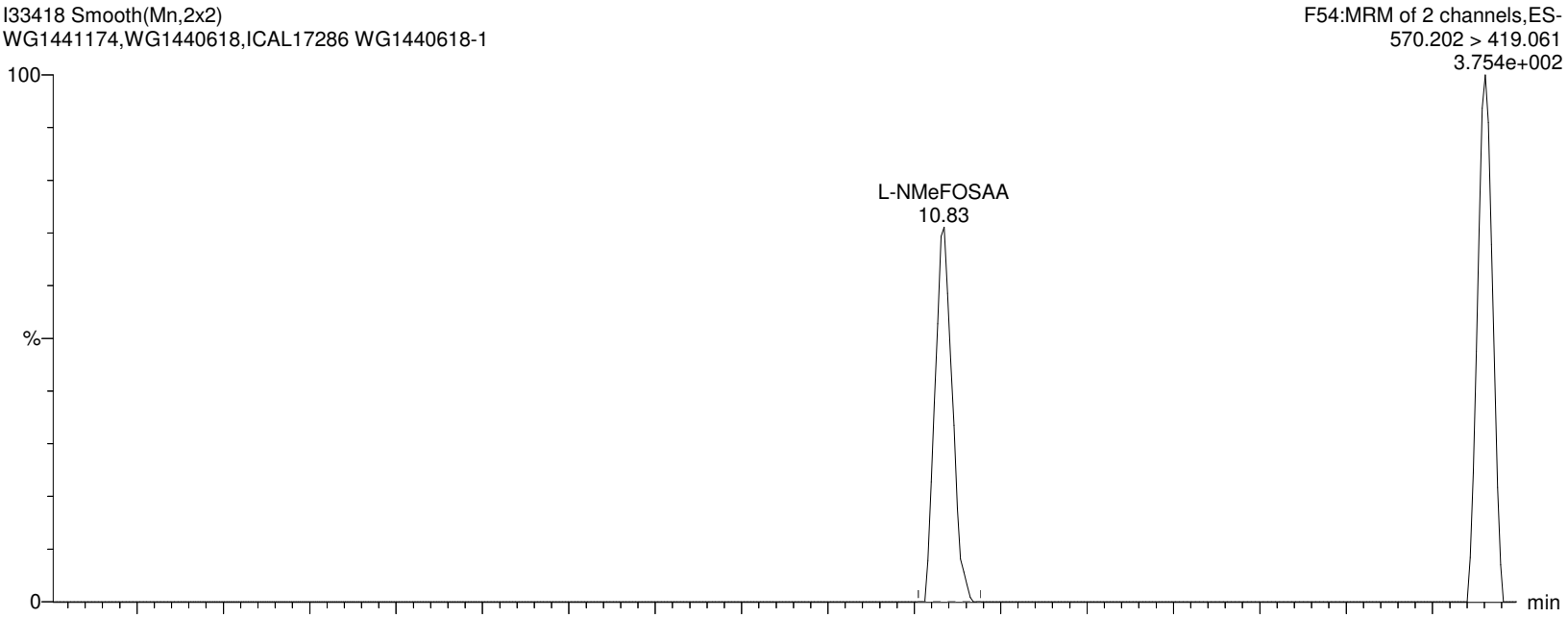

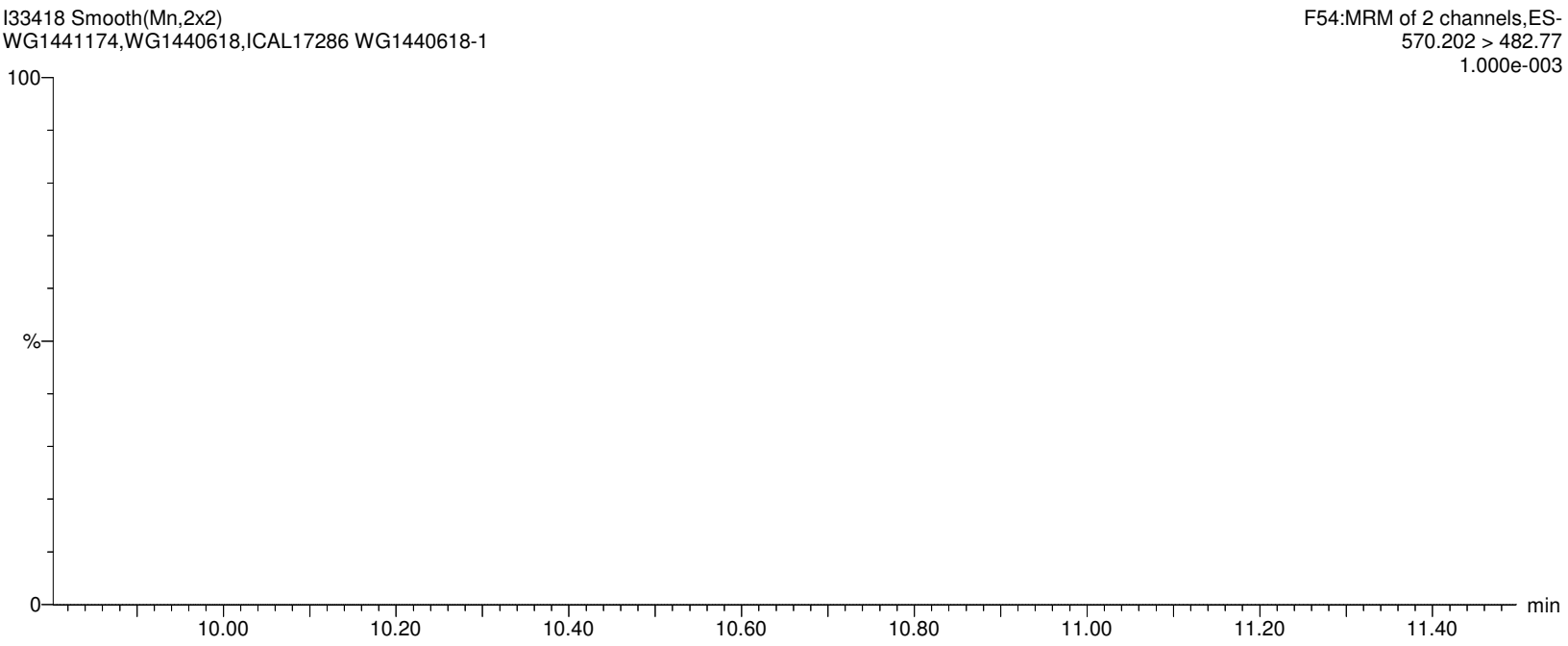

all concentration units in (ng/mL)

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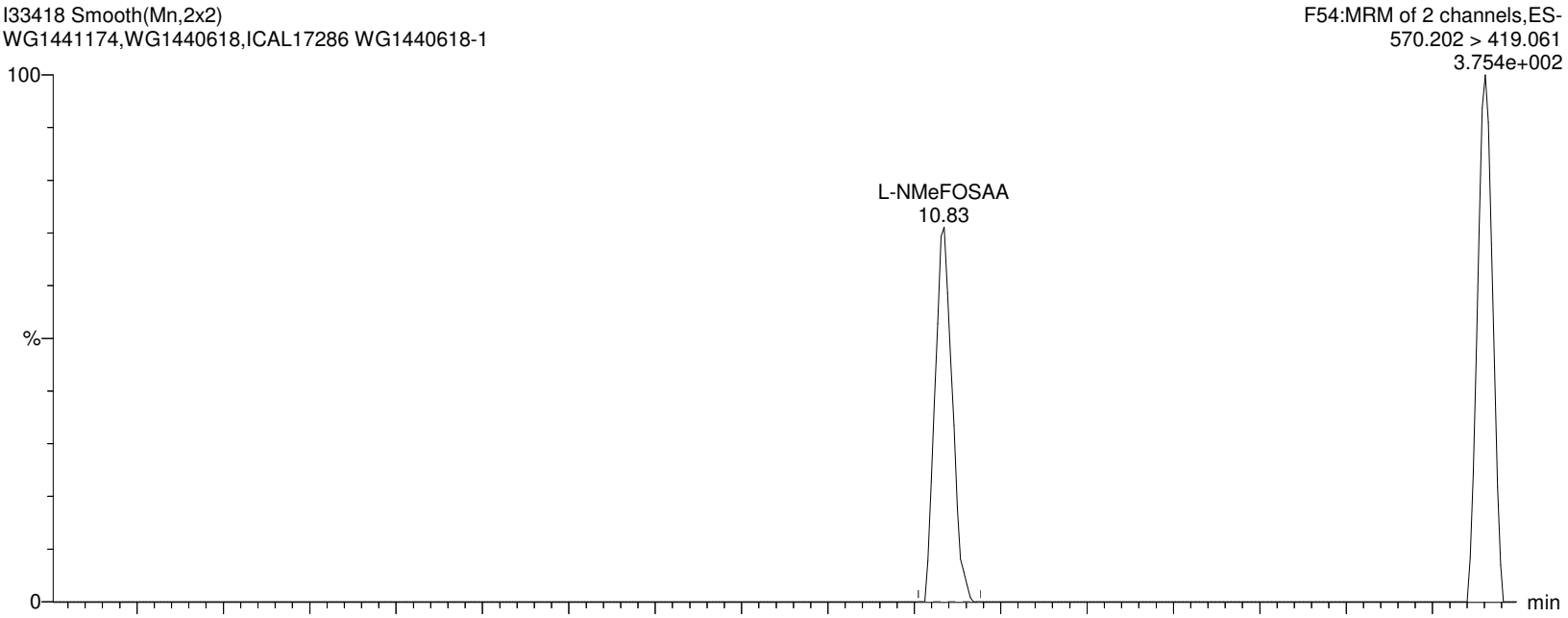

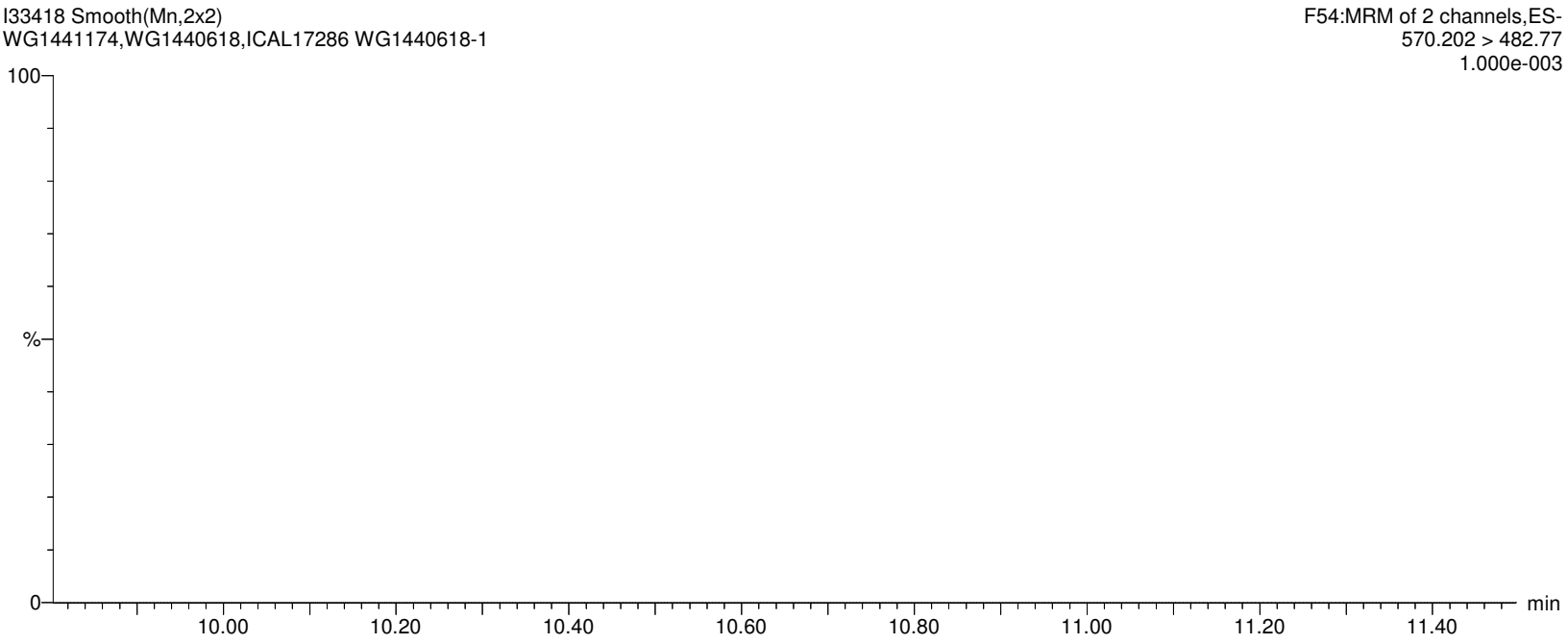

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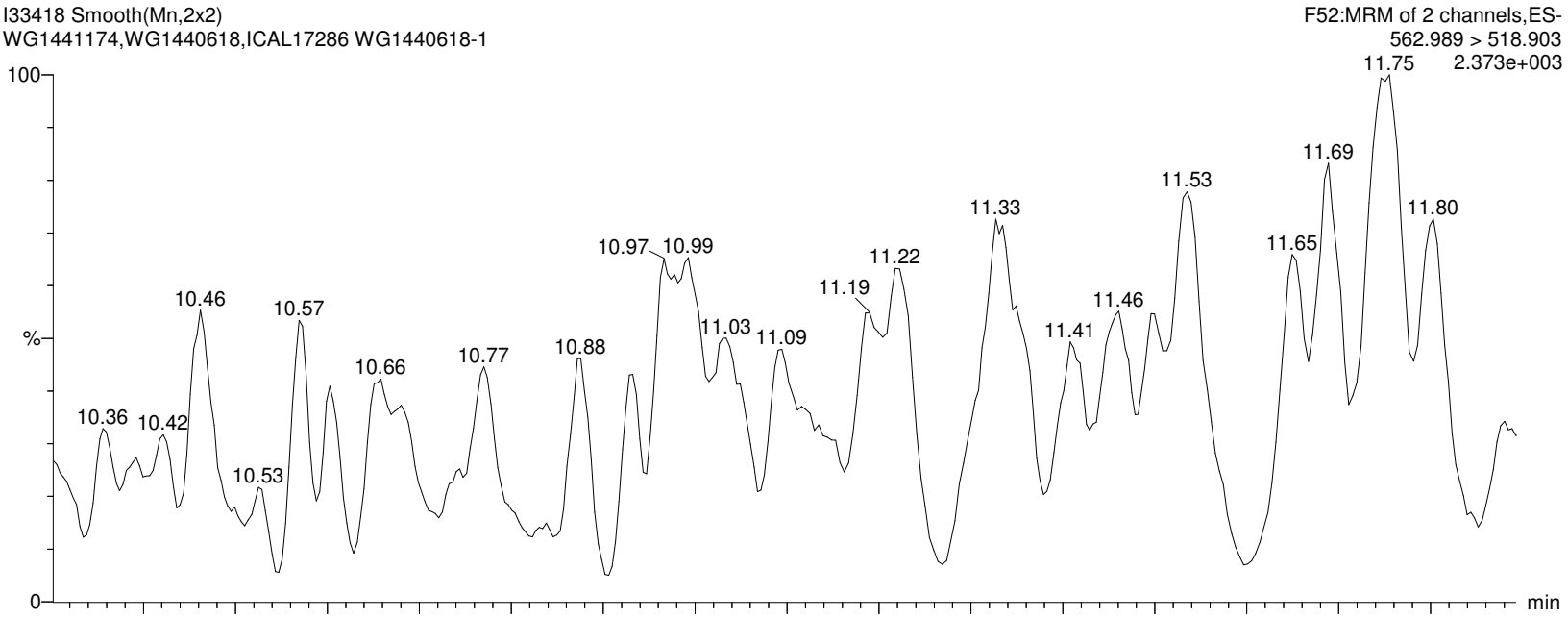

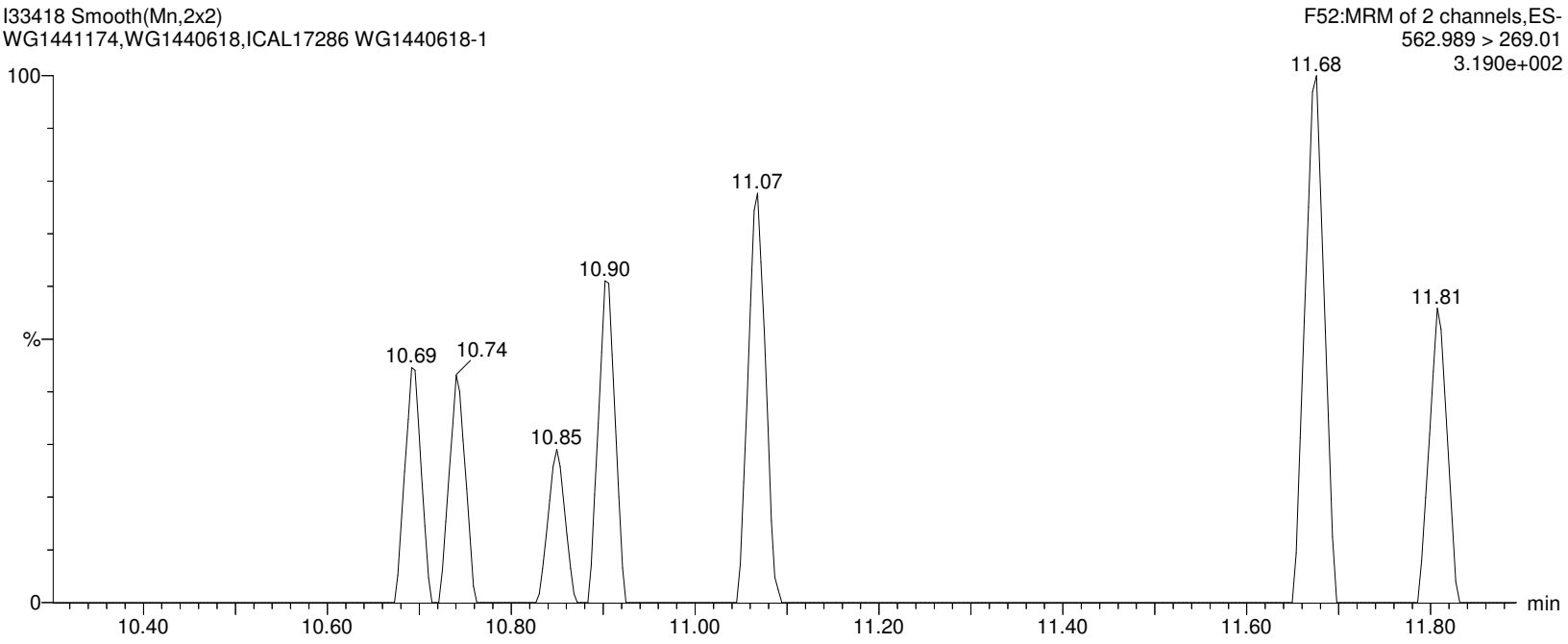

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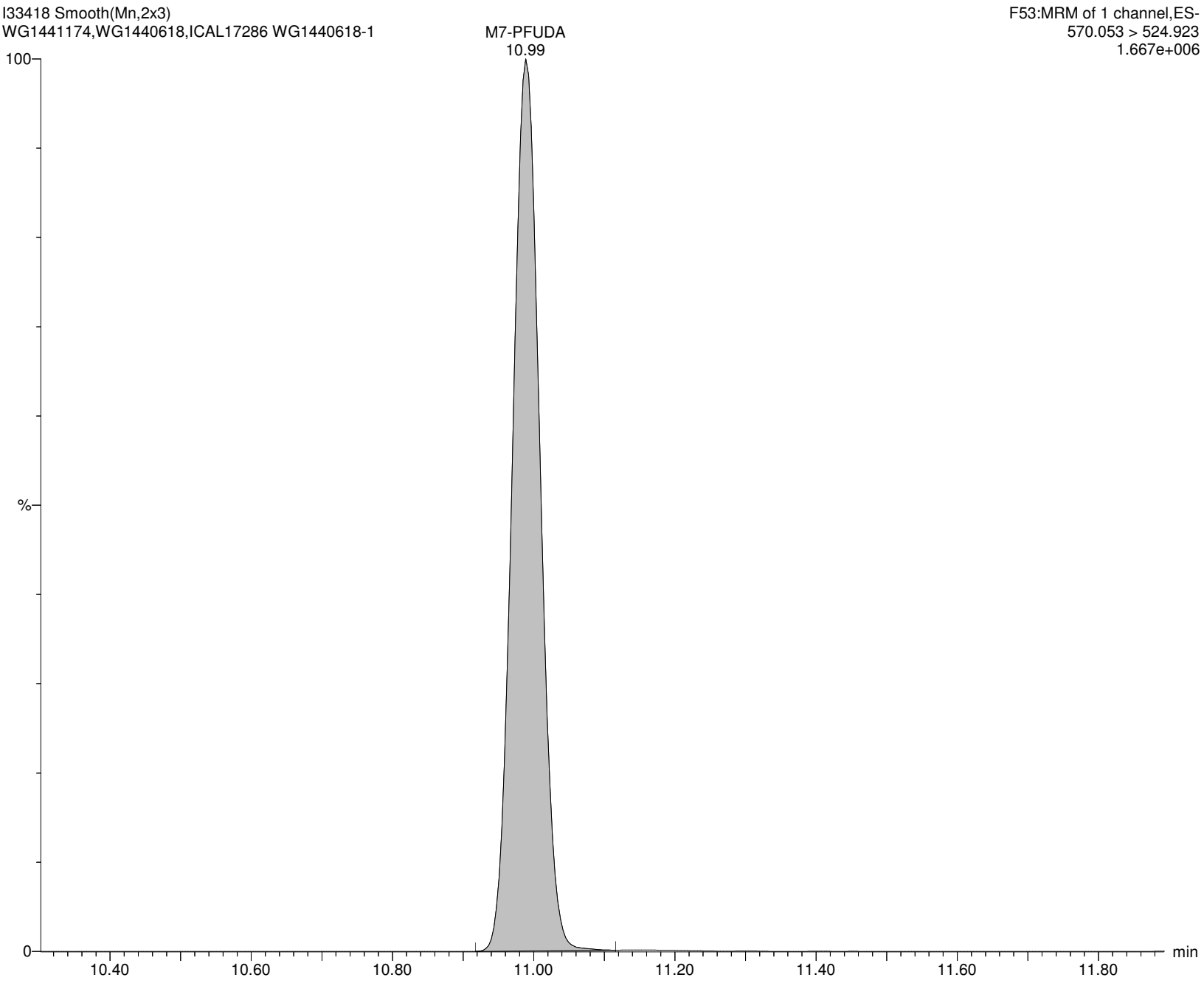

all concentration units in (ng/mL)

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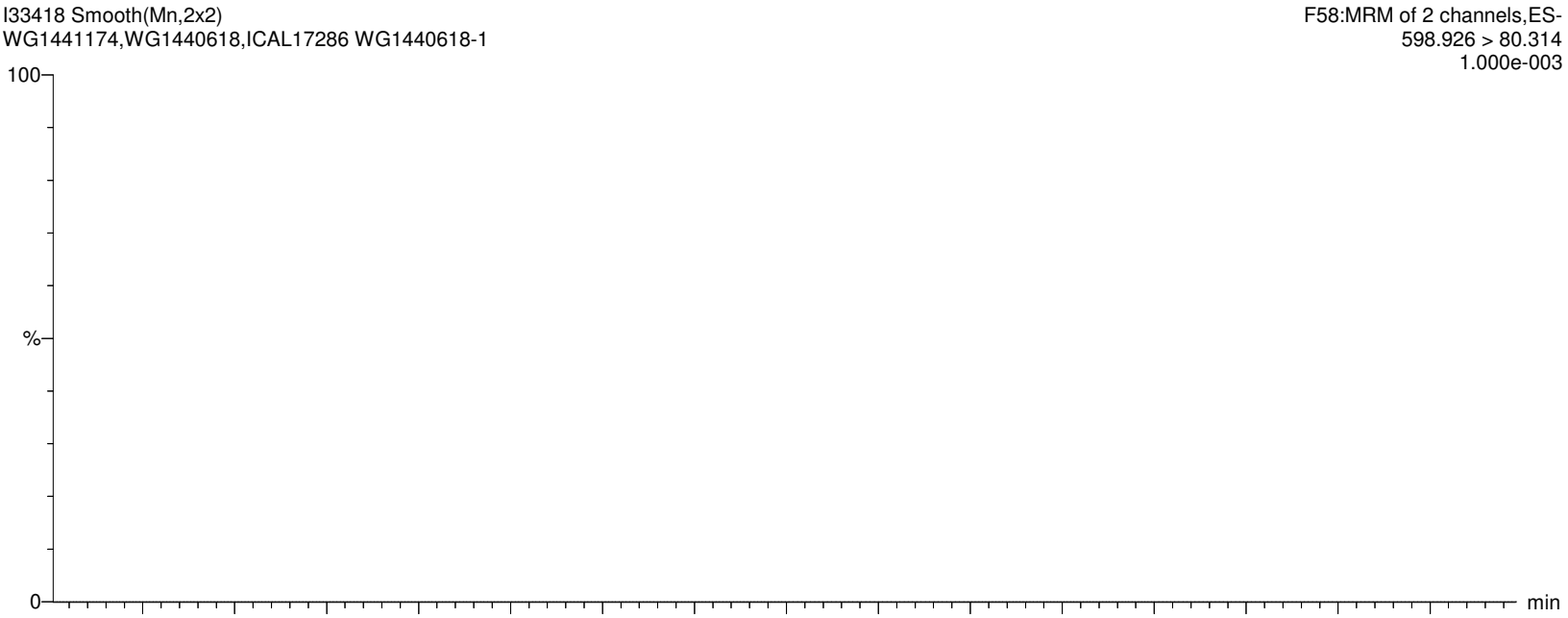

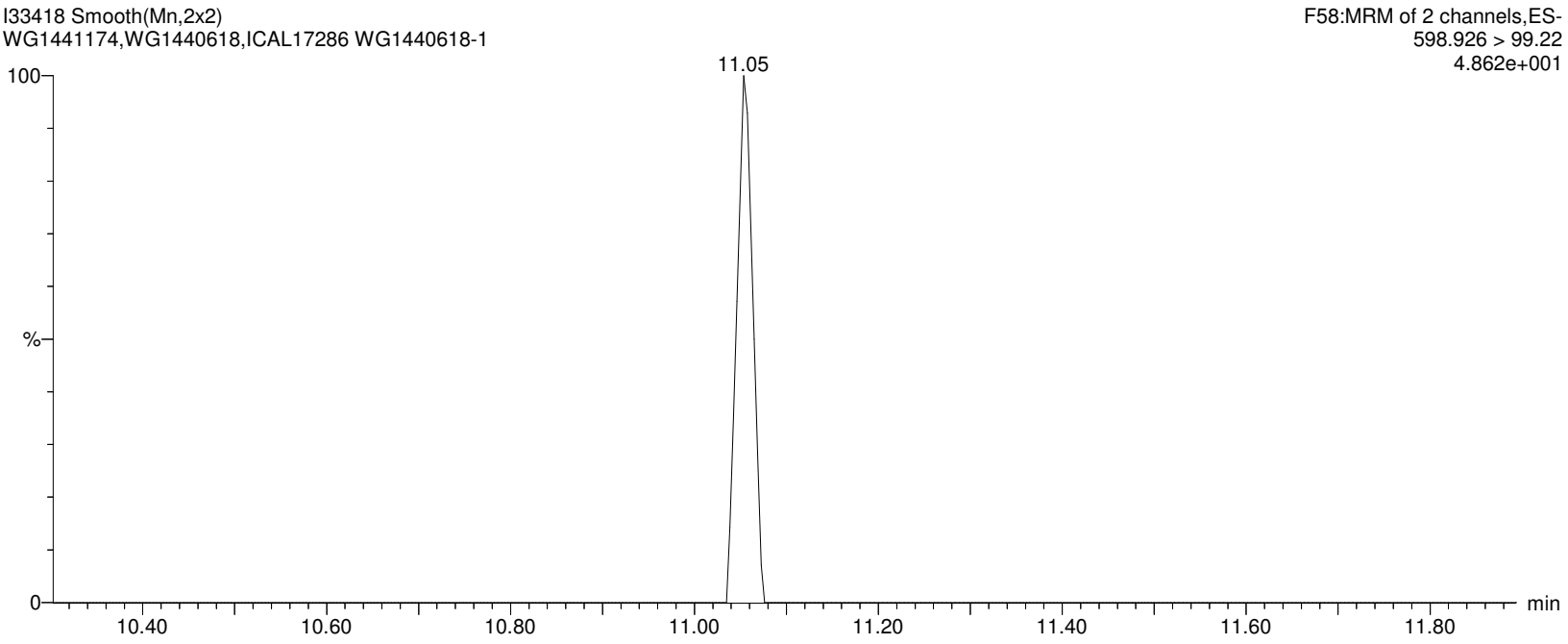

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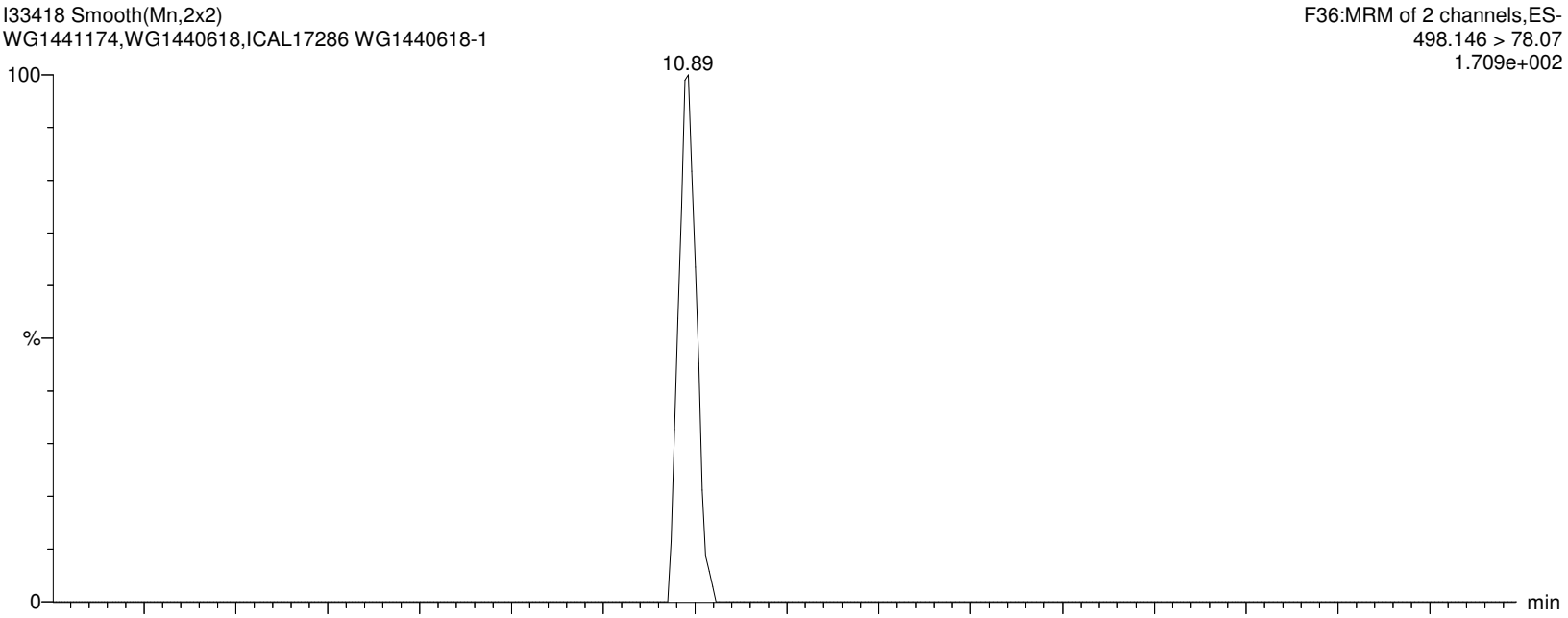

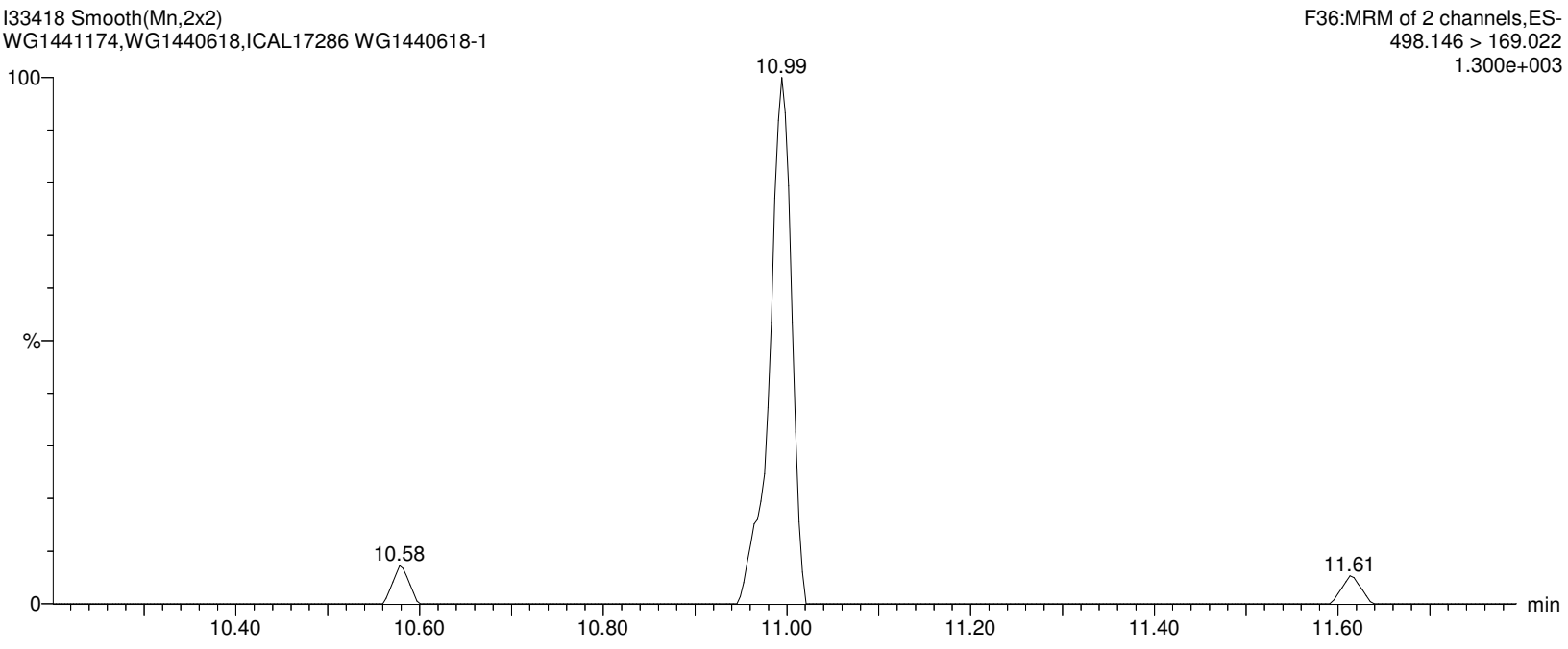

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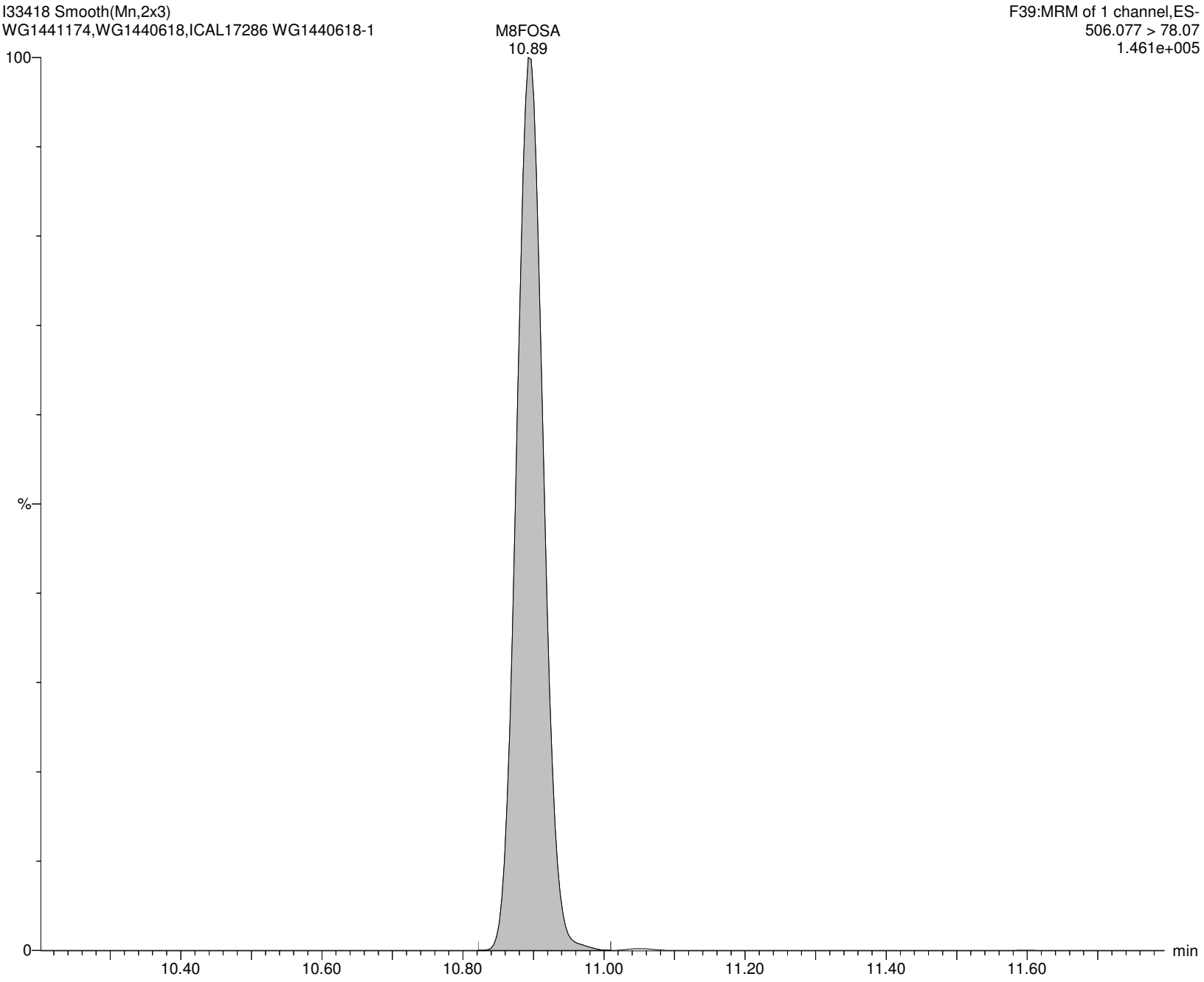

all concentration units in (ng/mL)

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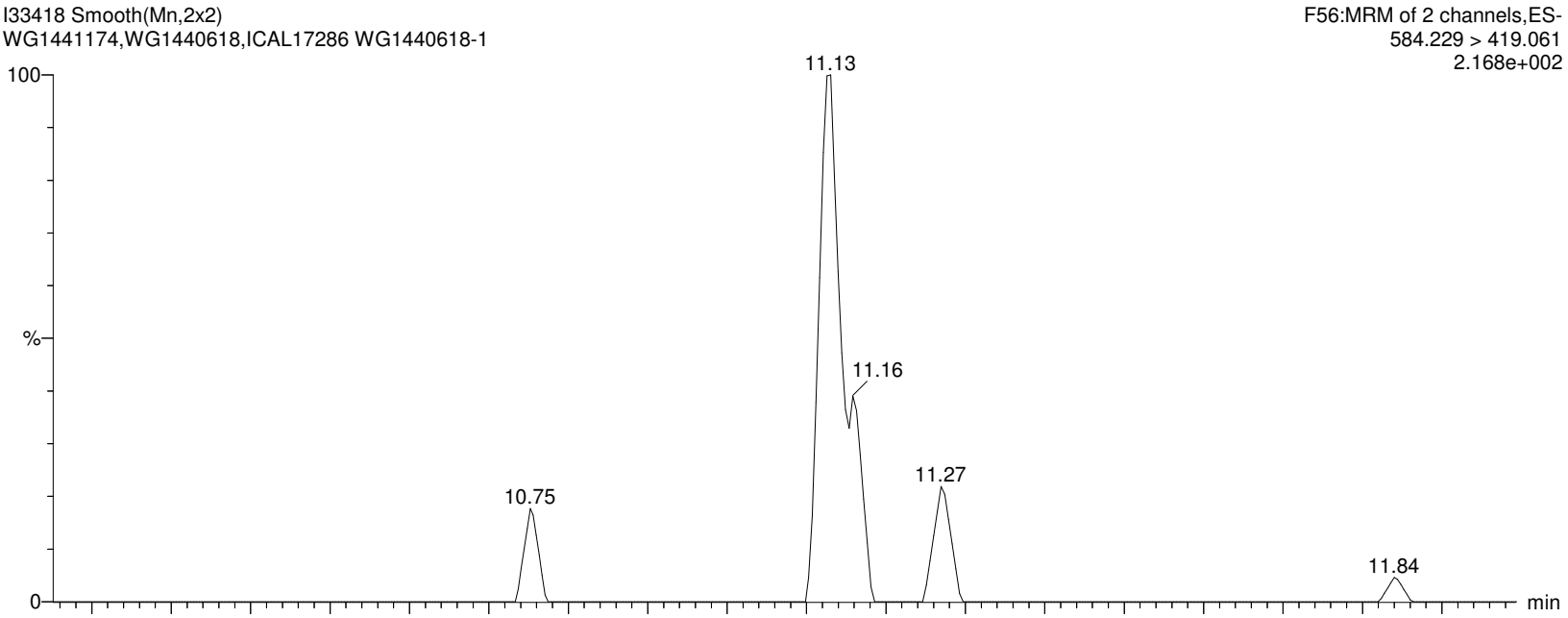

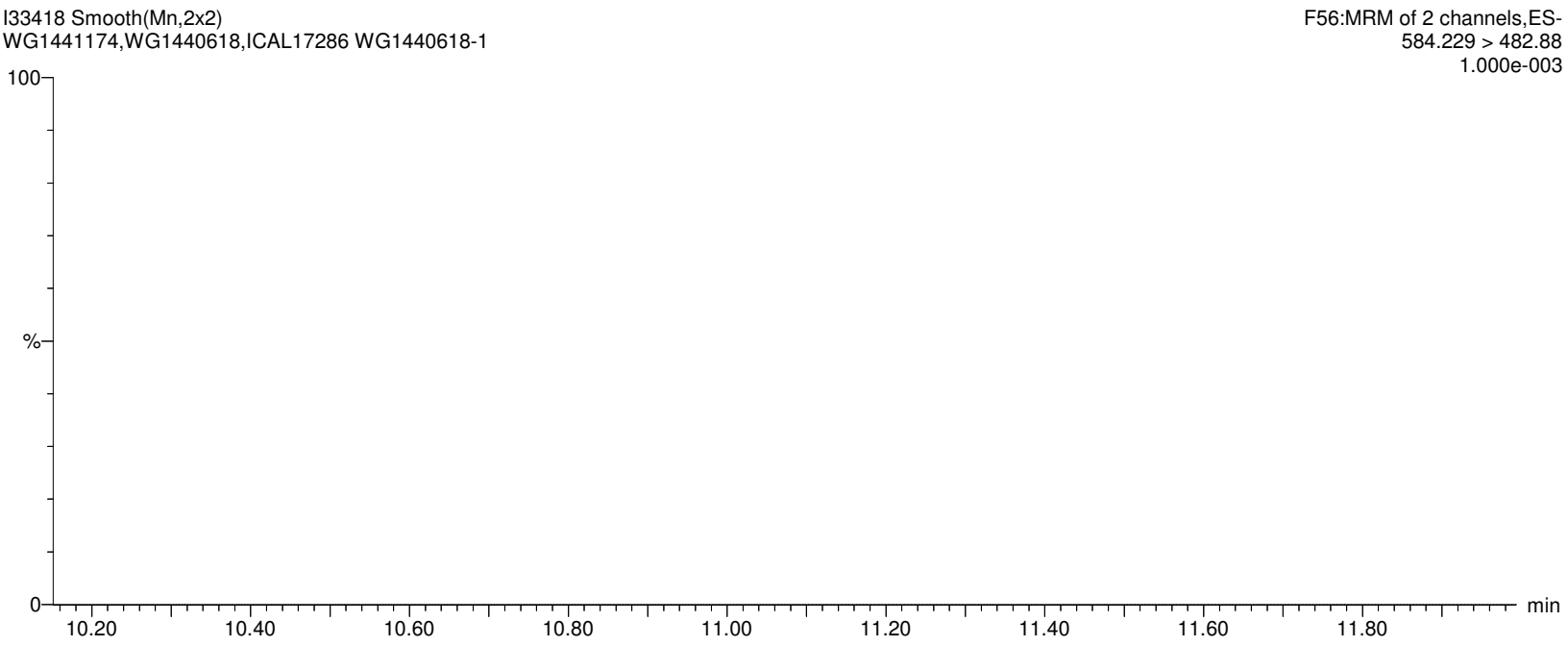

all concentration units in (ng/mL)

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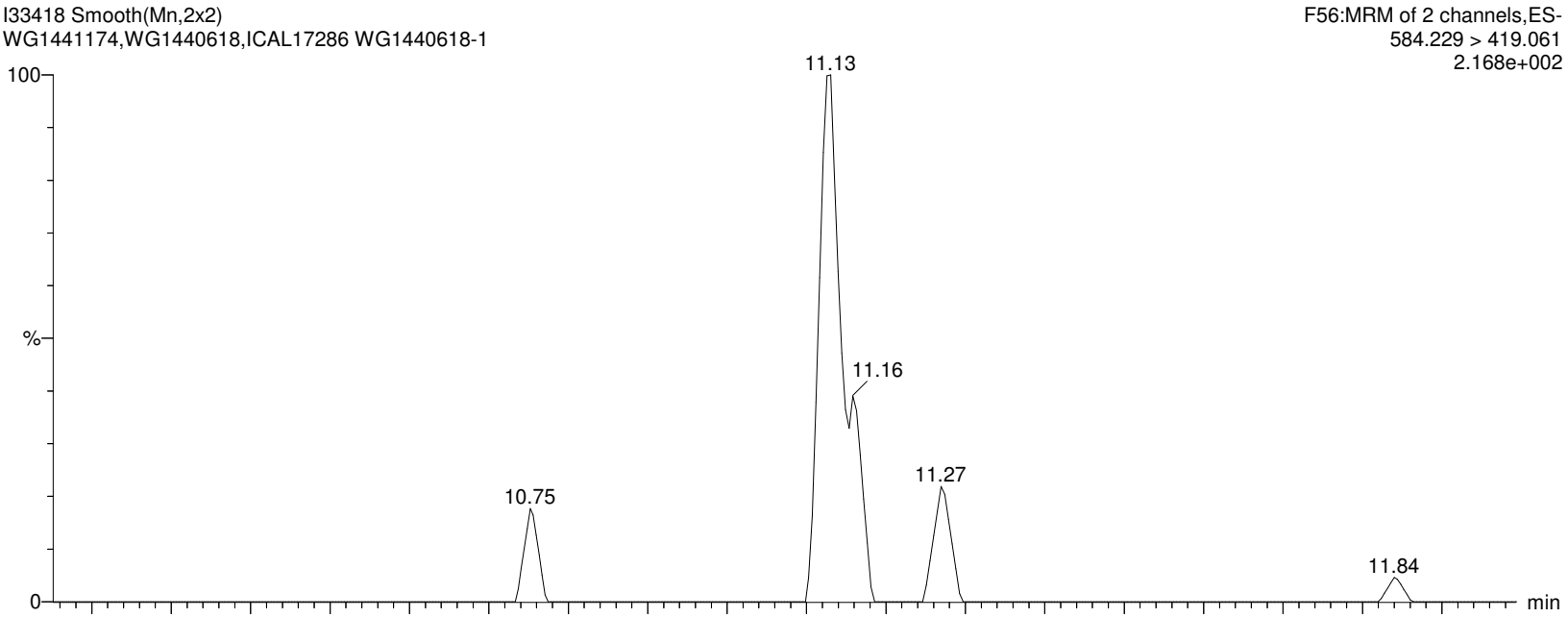
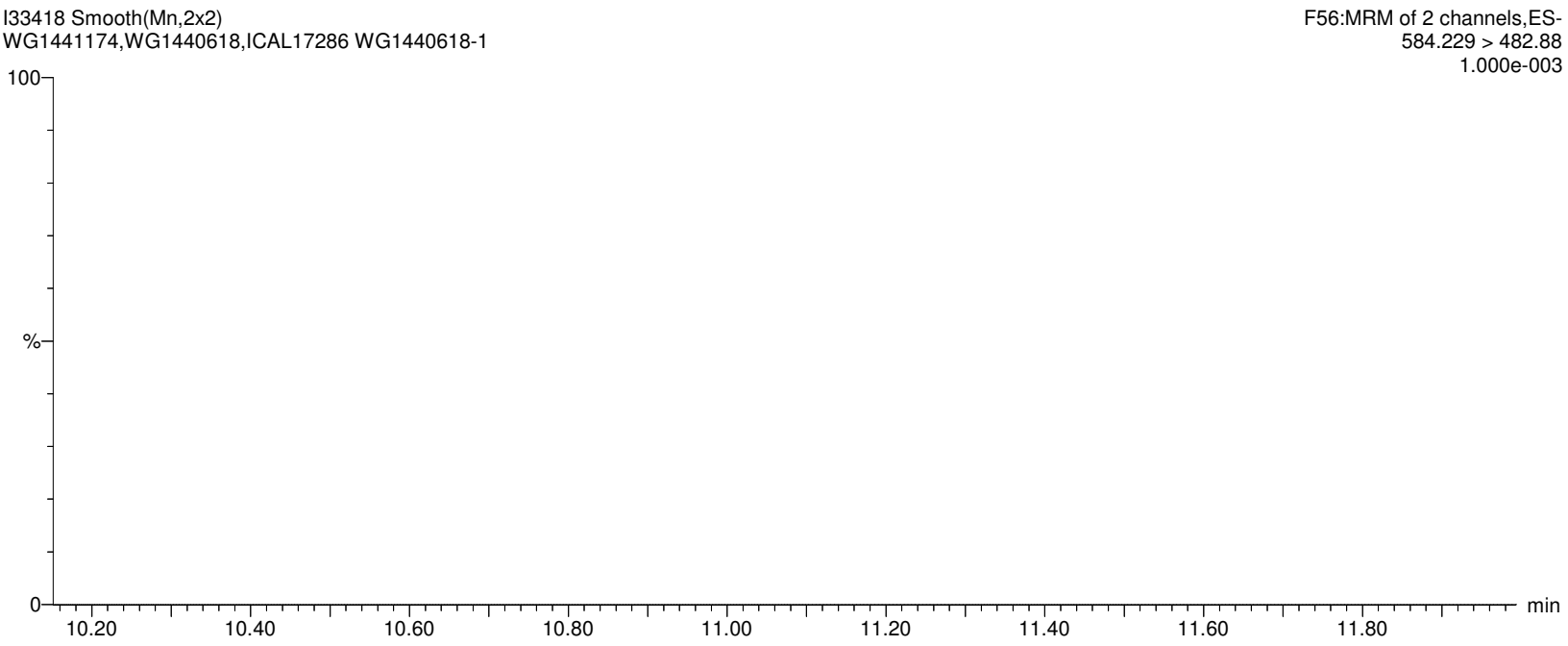
L-NEtFOSAA





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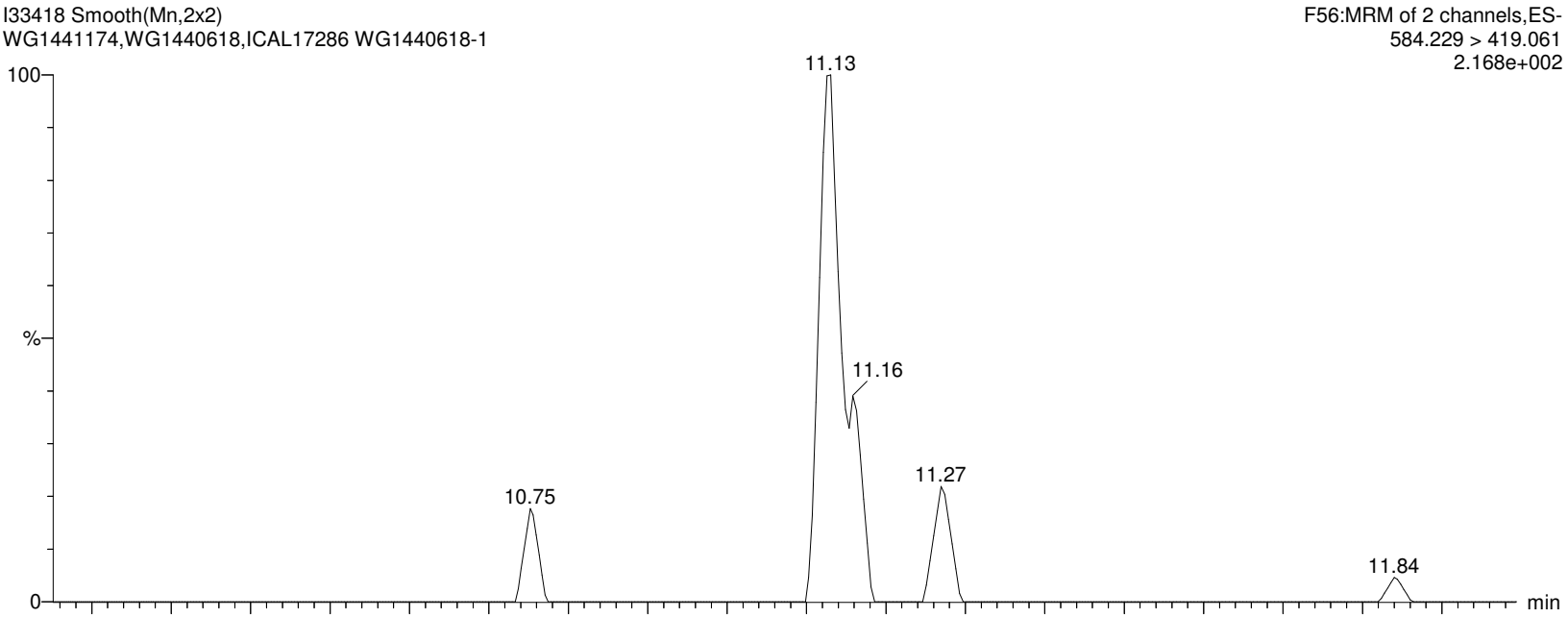

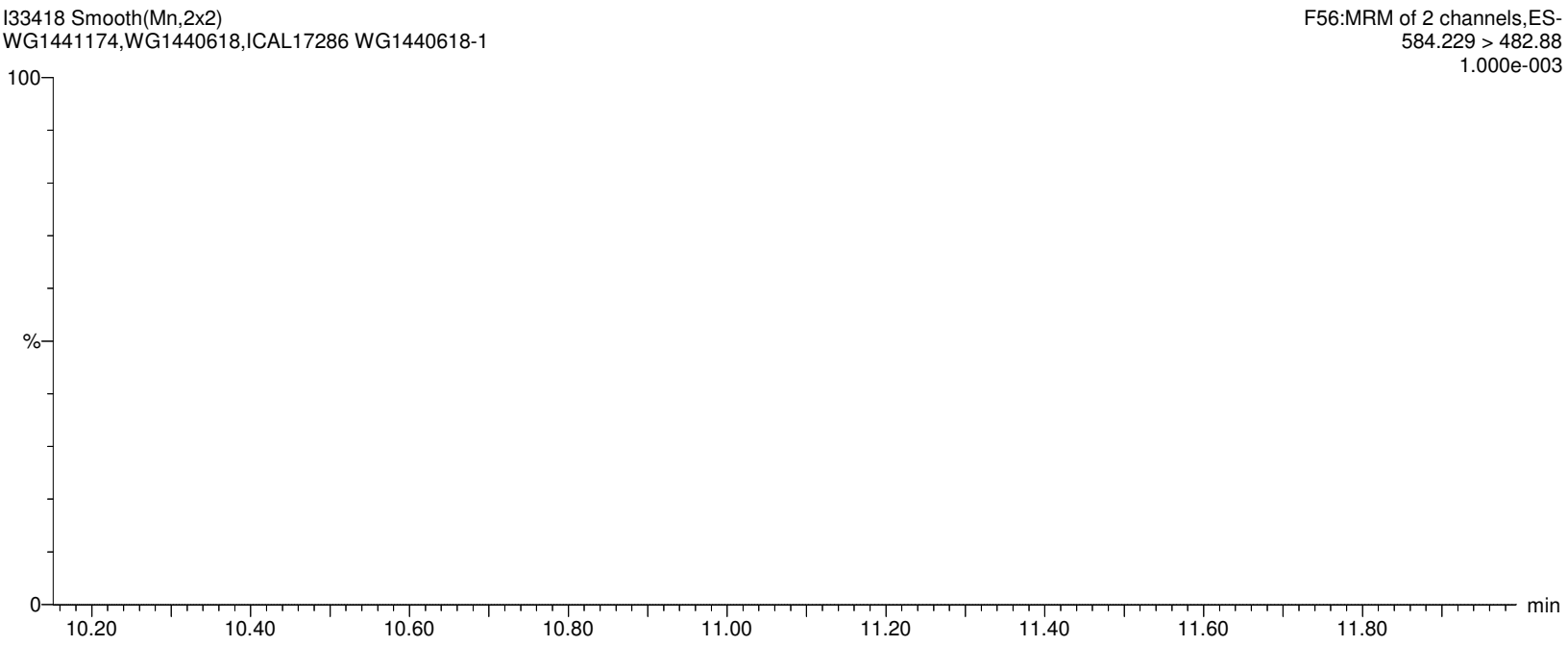

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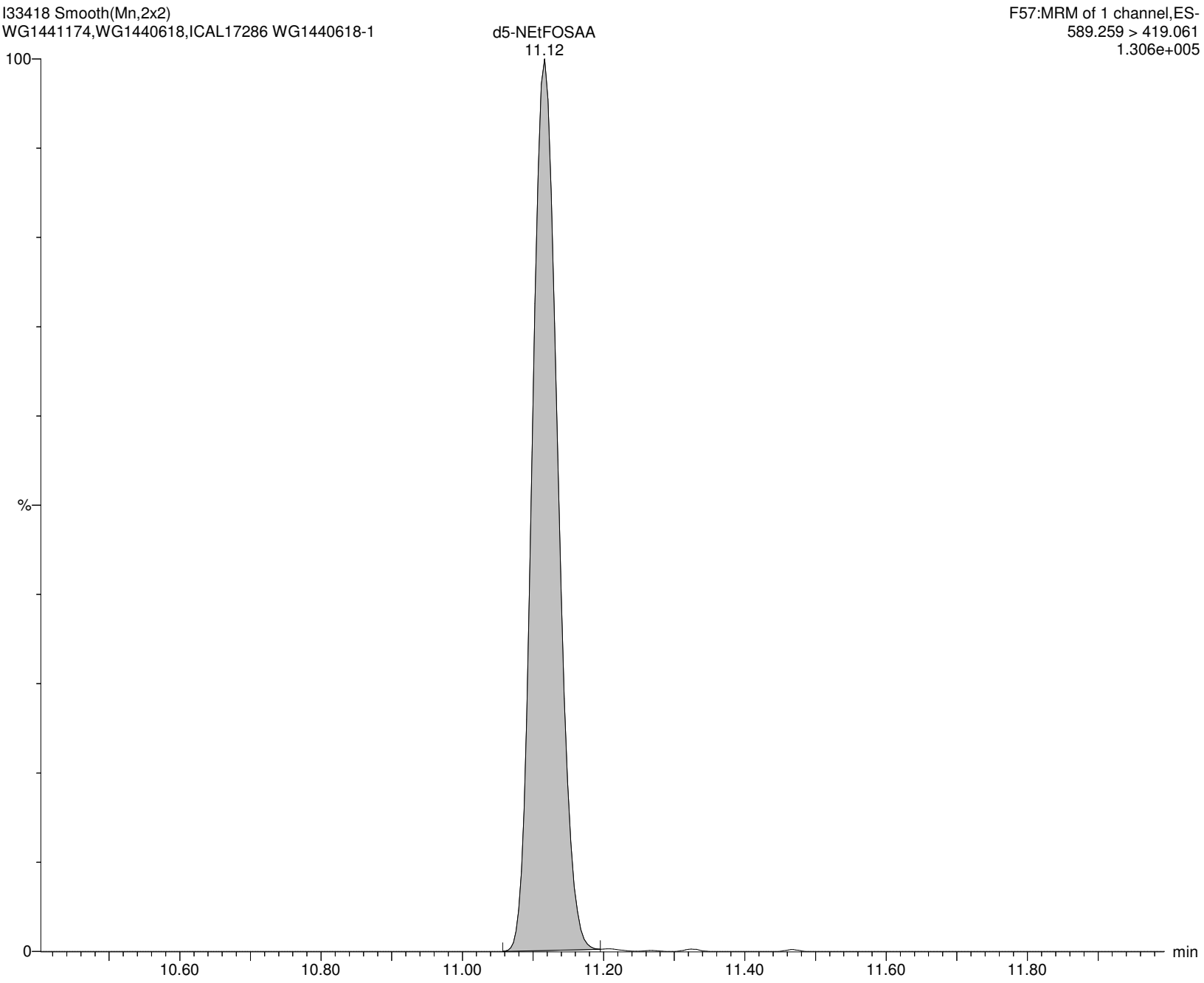

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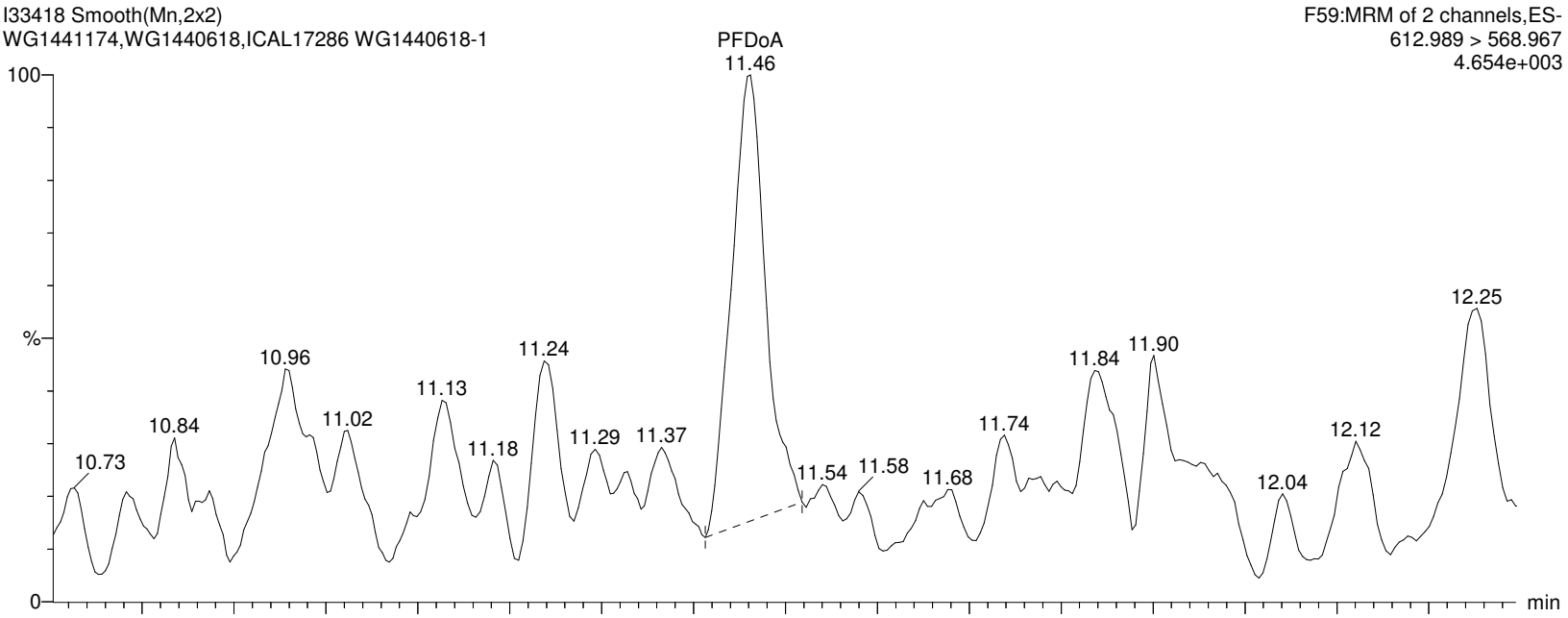

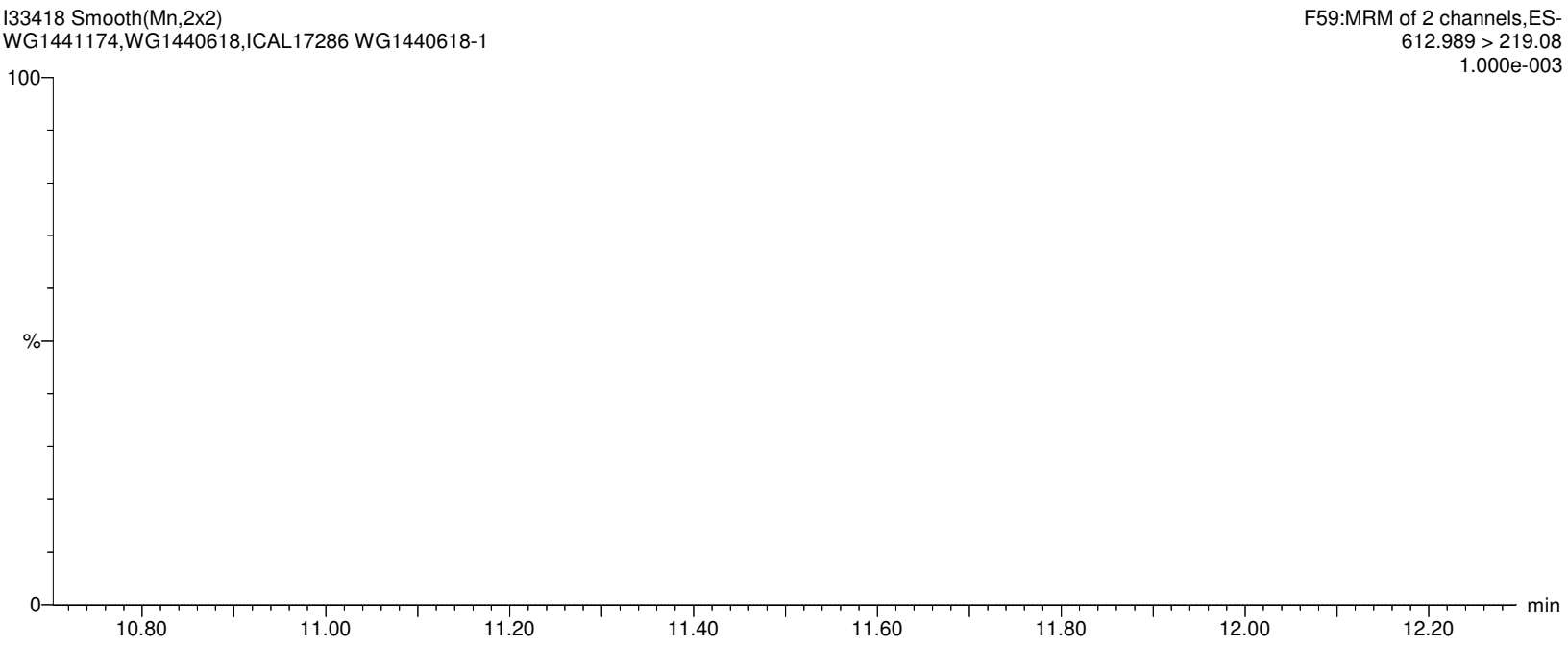

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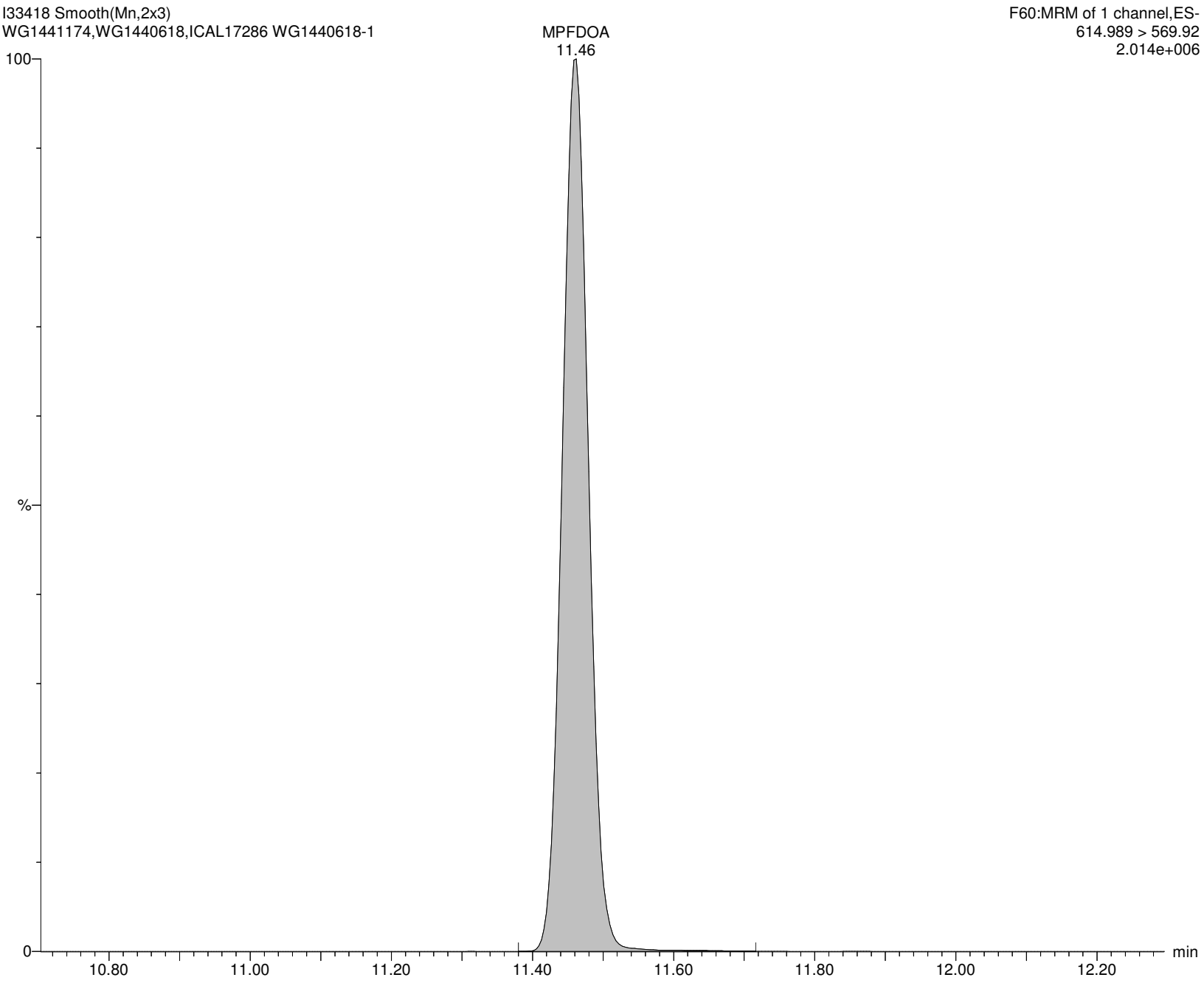

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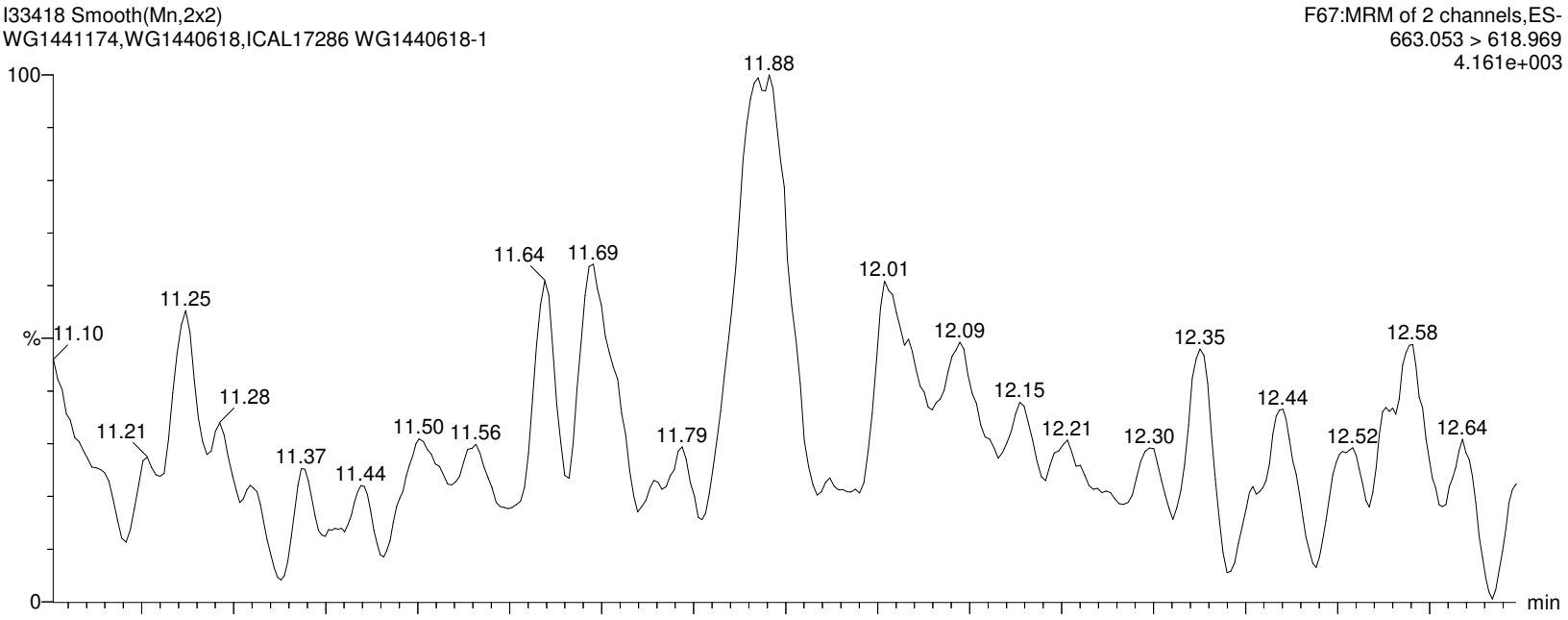

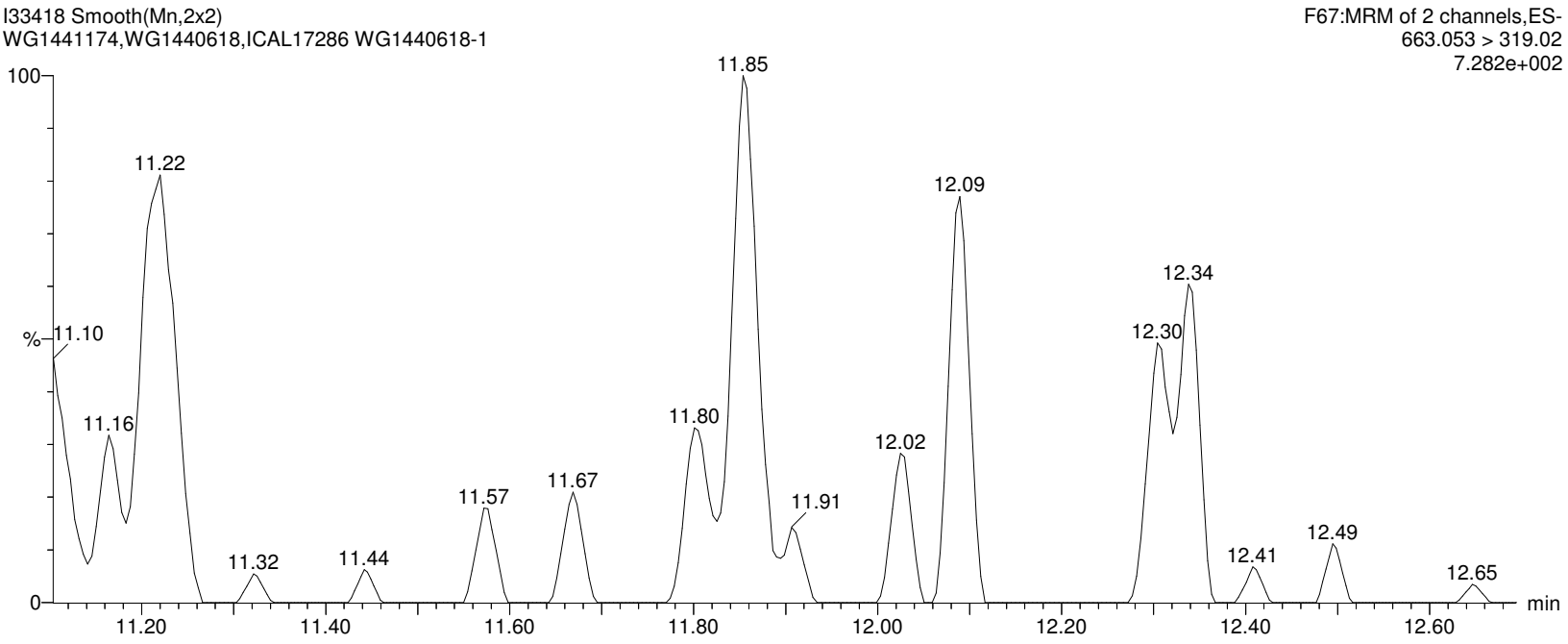

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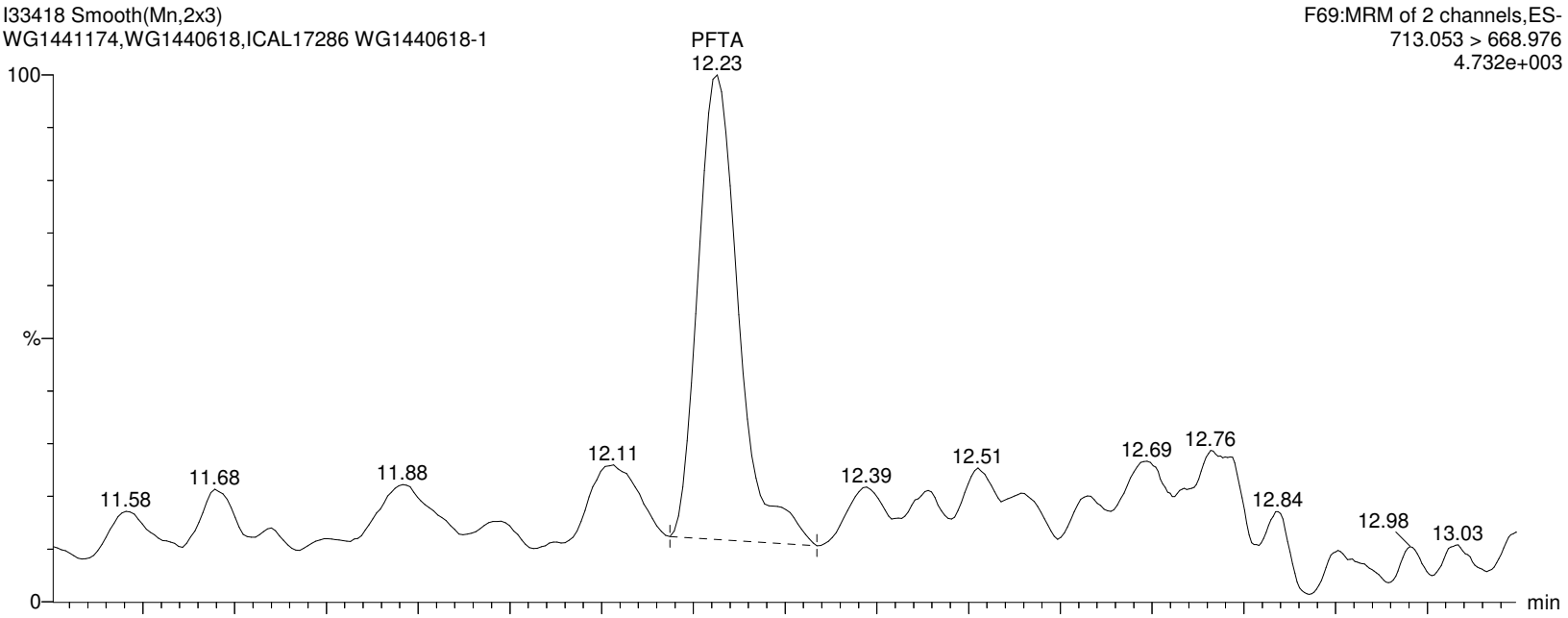
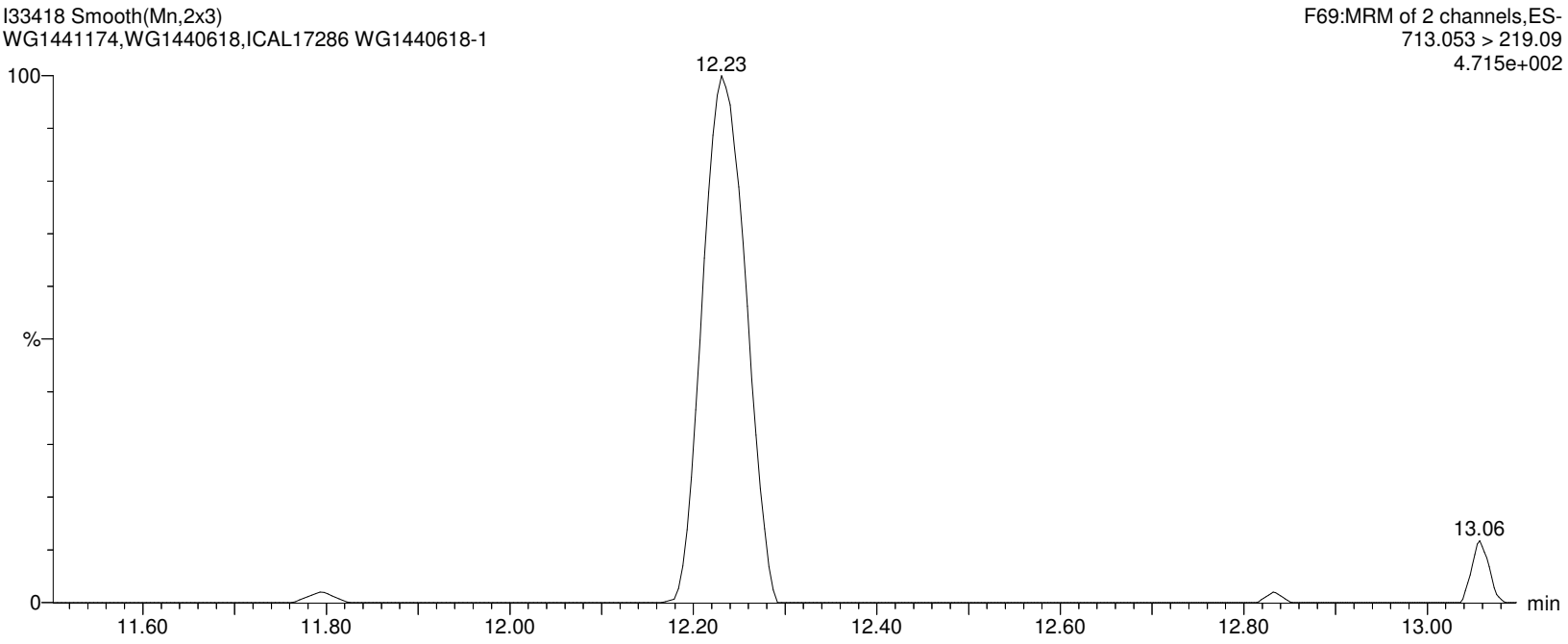
Tune Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\200520_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

PFTA





all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
Last Altered: Sunday, December 06, 2020 22:56:32 Eastern Standard Time
Printed: Sunday, December 06, 2020 22:59:35 Eastern Standard Time

Name: I33418
ID: WG1440618-1
Date: 04-Dec-2020
Time: 16:28:57
Description: WG1441174,WG1440618,ICAL17286
User: LCMS02:JW
Vial: 1:C,8
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\200520_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

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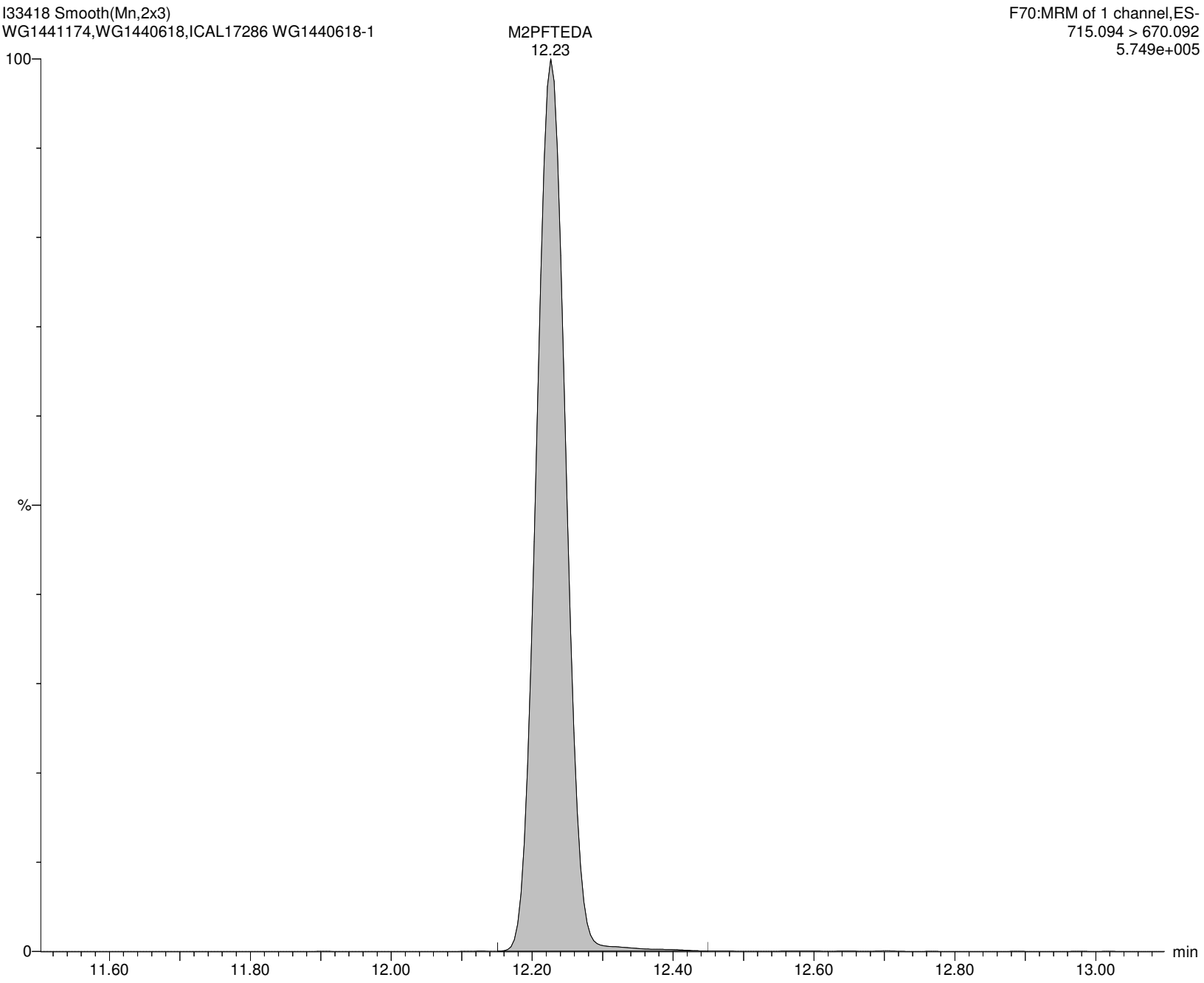

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
Last Altered: Sunday, December 06, 2020 22:56:32 Eastern Standard Time
Printed: Sunday, December 06, 2020 22:59:37 Eastern Standard Time

Method: C:\MassLynx\Data\2020\201204_537ISO.PRO\MethDB\537ISO_Q_201027_TOP_RT.mdb 06 Nov 2020 07:37:19
Calibration: C:\MassLynx\Data\2020\201204_537ISO.PRO\CurveDB\201027_ISO_ICAL.cdb 28 Oct 2020 09:14:48

ID: WG1440618-2
Name: I33419
Date: 04-Dec-2020
Time: 16:45:31
Description: WG1441174,WG1440618,ICAL17286
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:JW
Inlet Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\200520_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4	2.17	212.926 > 169.111	32676		12.055		na	120.5
2	M3PFBA	INT STD	2.17	215.926 > 172.122	28436		9.682		na	96.8
3	MPFBA	INT STD	2.17	216.926 > 172.137	35428		10.304		na	103.0
4	PFPeA	2706-90-3	4.98	262.926 > 219.002	47064		12.262		na	122.6
5	M5PFPEA	INT STD	4.99	267.989 > 223.081	53610		12.110		na	121.1
6	PFBS	375-73-5	5.62	298.926 > 79.923	9228		10.507	1.89	NO	118.7
7	M3PFBS	INT STD	5.62	301.989 > 80.254	8313		9.824		na	98.2
8	4:2FTS	757124-72-4	6.77	326.926 > 306.957	3226		14.333	2.56	NO	153.3
9	M2-4:2FTS	INT STD	6.76	329.117 > 309.079	3715		11.981		na	119.8
10	PFHxA	307-24-4	6.84	312.989 > 269.028	57278		12.158	15.80	NO	121.6
11	M5PFHxA	INT STD	6.84	317.989 > 273.045	51664		10.626		na	106.3
12	PFPeS	2706-91-4	7.16	348.926 > 80.251	8533		10.999	2.13	NO	117.0
13	PFHpA	375-85-9	8.11	362.926 > 319.014	77261		11.835	5.79	NO	118.4
14	M4PFHpA	INT STD	8.11	366.926 > 321.979	67592		11.079		na	110.8
15	br-PFHxS	355-46-4	8.04	398.926 > 80.295	1466	m5,m7	2.188	1.84	NO	128.7
16	L-PFHxS	355-46-4	8.28	398.926 > 80.295	7575		9.022	1.49	NO	121.9
17	PFHxS	355-46-4		398.926 > 80.295	9041		11.210		na	
18	M3PFHxS	INT STD	8.28	401.926 > 80.317	8080		10.790		na	107.9
19	br-PFOA	335-67-1		412.989 > 368.9			ND		YES	
20	L-PFOA	335-67-1	9.06	412.989 > 368.9	83893		11.811	8.06	YES	118.1
21	M2PFOA	INT STD	9.06	415.032 > 369.968	74855		11.986		na	119.9
22	PFOA	335-67-1		412.989 > 368.9	83893		11.811		na	
23	M8PFOA	INT STD	9.06	420.989 > 375.979	85005		10.342		na	103.4
24	6:2FTS	27619-97-2	9.02	427.161 > 407.155	4059		12.781	23.63	YES	134.5
25	M2-6:2FTS	INT STD	9.02	429.146 > 409.14	4069		12.010		na	120.1
26	PFHpS	375-92-8	9.15	448.926 > 80.257	6596		11.154	1.03	NO	117.4
27	PFNA	375-95-1	9.82	462.989 > 418.931	74672		11.973	3.41	NO	119.7
28	M9PFNA	INT STD	9.82	472.053 > 426.947	33391		10.608		na	106.1
29	br-PFOS	1763-23-1	9.69	498.989 > 80.294	2497	m5,m7	2.653	4.48	YES	132.6
30	L-PFOS	1763-23-1	9.87	498.989 > 80.294	7168		9.249	1.75	NO	126.7
31	PFOS	1763-23-1		498.989 > 80.294	9665		11.901		na	
32	M4PFOS	INT STD	9.87	503.032 > 80.306	6915		9.255		na	92.6
33	M8PFOS	INT STD	9.87	507.053 > 80.294	8477		9.812		na	98.1
34	PFDA	335-76-2	10.45	513.053 > 468.906	71139		12.004	5.13	NO	120.0
35	M2PFDA	INT STD	10.45	515.053 > 469.934	61697		14.203		na	142.0
36	M6PFDA	INT STD	10.45	519.053 > 473.931	69113		10.243		na	102.4
37	8:2FTS	39108-34-4	10.44	527.177 > 507.171	2851		14.771	68.47	YES	153.9
38	M2-8:2FTS	INT STD	10.44	529.162 > 509.155	3418		14.485		na	144.9
39	PFNS	68259-12-1	10.48	548.989 > 80.249	8678		12.945	1.45	NO	134.8

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
Last Altered: Sunday, December 06, 2020 22:56:32 Eastern Standard Time
Printed: Sunday, December 06, 2020 22:59:37 Eastern Standard Time

ID: WG1440618-2
Name: I33419
Date: 04-Dec-2020
Time: 16:45:31
Description: WG1441174,WG1440618,ICAL17286
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:JW
Inlet Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\200520_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.83	573.22 > 419.061	7111		10.110		na	101.1
41	br-NMeFOSAA			570.202 > 419.061			ND		YES	
42	L-NMeFOSAA		10.83	570.202 > 419.061	6938		10.635	2.17	YES	139.9
43	NMeFOSAA	2355-31-9		570.202 > 419.061	6938		10.635		na	
44	PFUnA	2058-94-8	10.99	562.989 > 518.903	74444		11.936	7.25	NO	119.4
45	M7-PFUDA	INT STD	10.99	570.053 > 524.923	66884		11.599		na	116.0
46	PFDS	335-77-3	11.00	598.926 > 80.314	8488		12.995	1.53	NO	134.7
47	FOSA	754-91-6	10.90	498.146 > 78.07	7063	m7	10.817	143.52	YES	108.2
48	M8FOSA	INT STD	10.89	506.077 > 78.07	7482		1.676		na	16.8
49	br-NEtFOSAA			584.229 > 419.061			ND		YES	
50	L-NEtFOSAA		11.13	584.229 > 419.061	4969		12.538	3.64	NO	161.8
51	NEtFOSAA	2991-50-6		584.229 > 419.061	4969		12.538		na	
52	d5-NEtFOSAA	INT STD	11.12	589.259 > 419.061	4897		8.730		na	87.3
53	PFDoA	307-55-1	11.45	612.989 > 568.967	90495		11.996	13.32	NO	120.0
54	MPFDOA	INT STD	11.45	614.989 > 569.92	76419		11.798		na	118.0
55	PFTrDA	72629-94-8	11.87	663.053 > 618.969	88917		11.340	11.61	NO	113.4
56	PFTA	376-06-7	12.23	713.053 > 668.976	68916		14.225	8.41	NO	142.3
57	M2PFTEDA	INT STD	12.23	715.094 > 670.092	25410		7.988		na	79.9

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
Last Altered: Sunday, December 06, 2020 22:56:32 Eastern Standard Time
Printed: Sunday, December 06, 2020 22:59:37 Eastern Standard Time

Method: C:\MassLynx\Data\2020\201204_537ISO.PRO\MethDB\537ISO_Q_201027_TOP_RT.mdb 06 Nov 2020 07:37:19
Calibration: C:\MassLynx\Data\2020\201204_537ISO.PRO\CurveDB\201027_ISO_ICAL.cdb 28 Oct 2020 09:14:48

Name: I33419
ID: WG1440618-2
Date: 04-Dec-2020
Time: 16:45:31
Description: WG1441174,WG1440618,ICAL17286
User: LCMS02:JW
Vial: 1:D,1
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\200520_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

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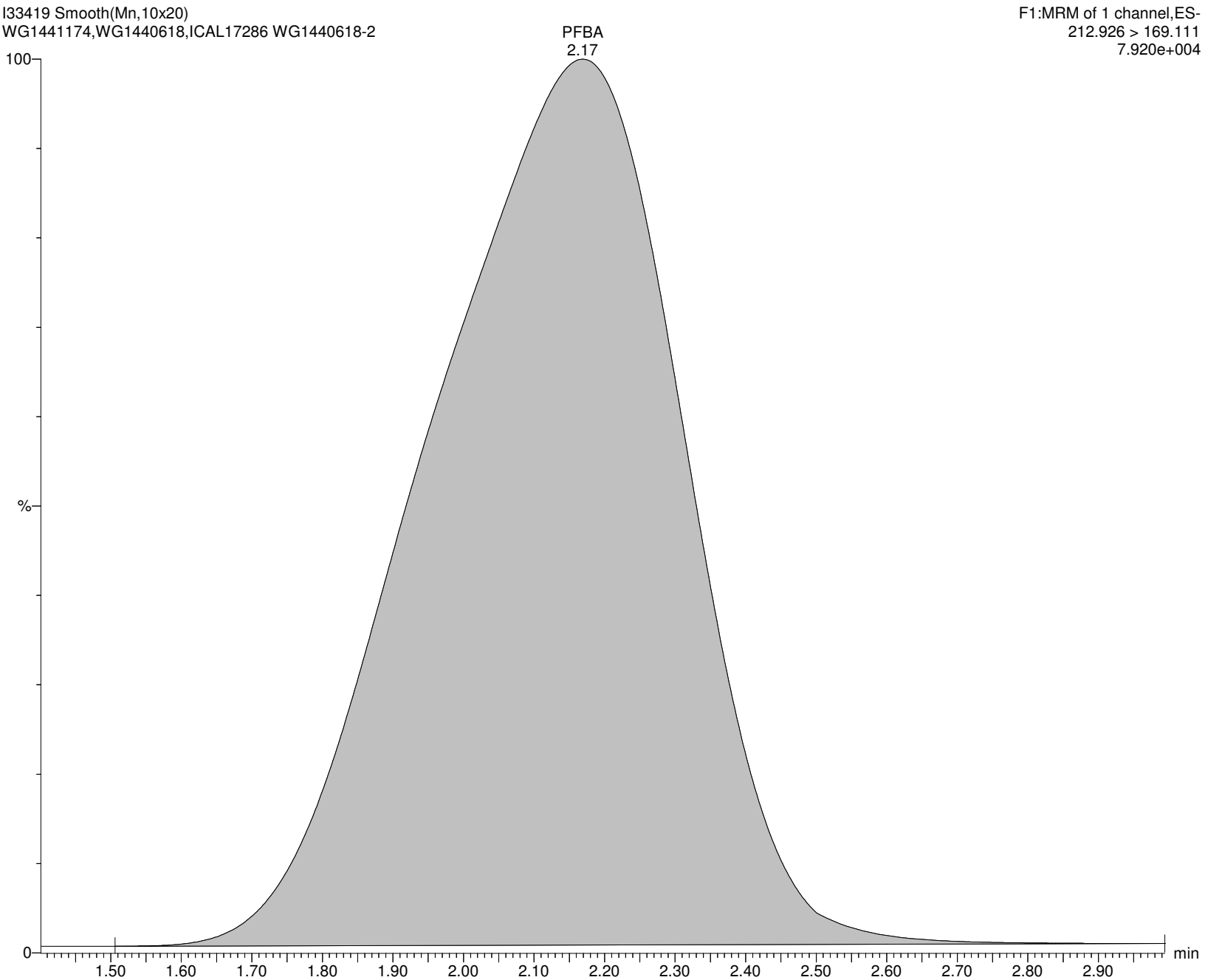

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
Last Altered: Sunday, December 06, 2020 22:56:32 Eastern Standard Time
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Name: I33419
ID: WG1440618-2
Date: 04-Dec-2020
Time: 16:45:31
Description: WG1441174,WG1440618,ICAL17286
User: LCMS02:JW
Vial: 1:D,1
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\200520_TUNE.IPR
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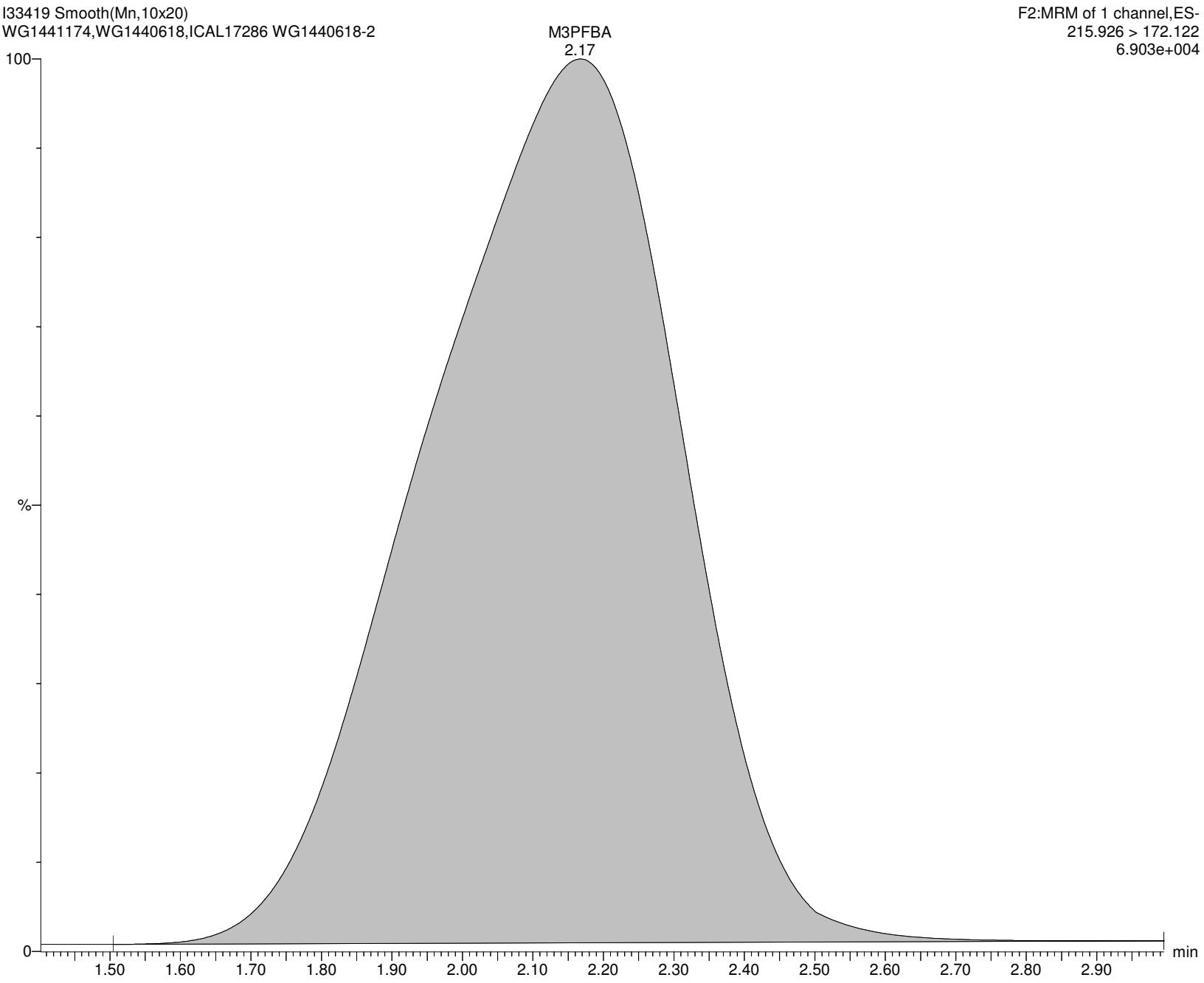

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
Last Altered: Sunday, December 06, 2020 22:56:32 Eastern Standard Time
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Name: I33419
ID: WG1440618-2
Date: 04-Dec-2020
Time: 16:45:31
Description: WG1441174,WG1440618,ICAL17286
User: LCMS02:JW
Vial: 1:D,1
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\200520_TUNE.IPR
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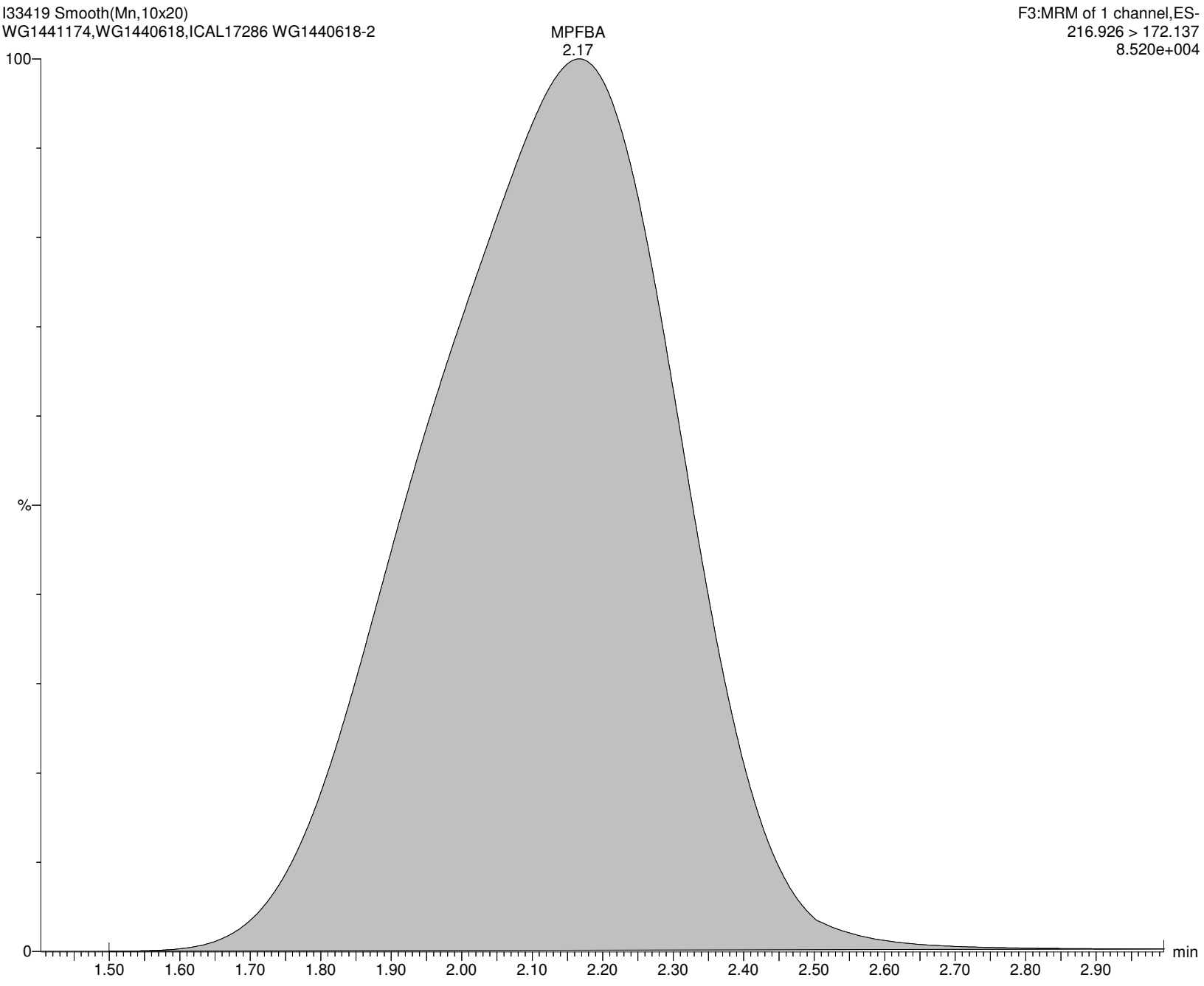

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
Last Altered: Sunday, December 06, 2020 22:56:32 Eastern Standard Time
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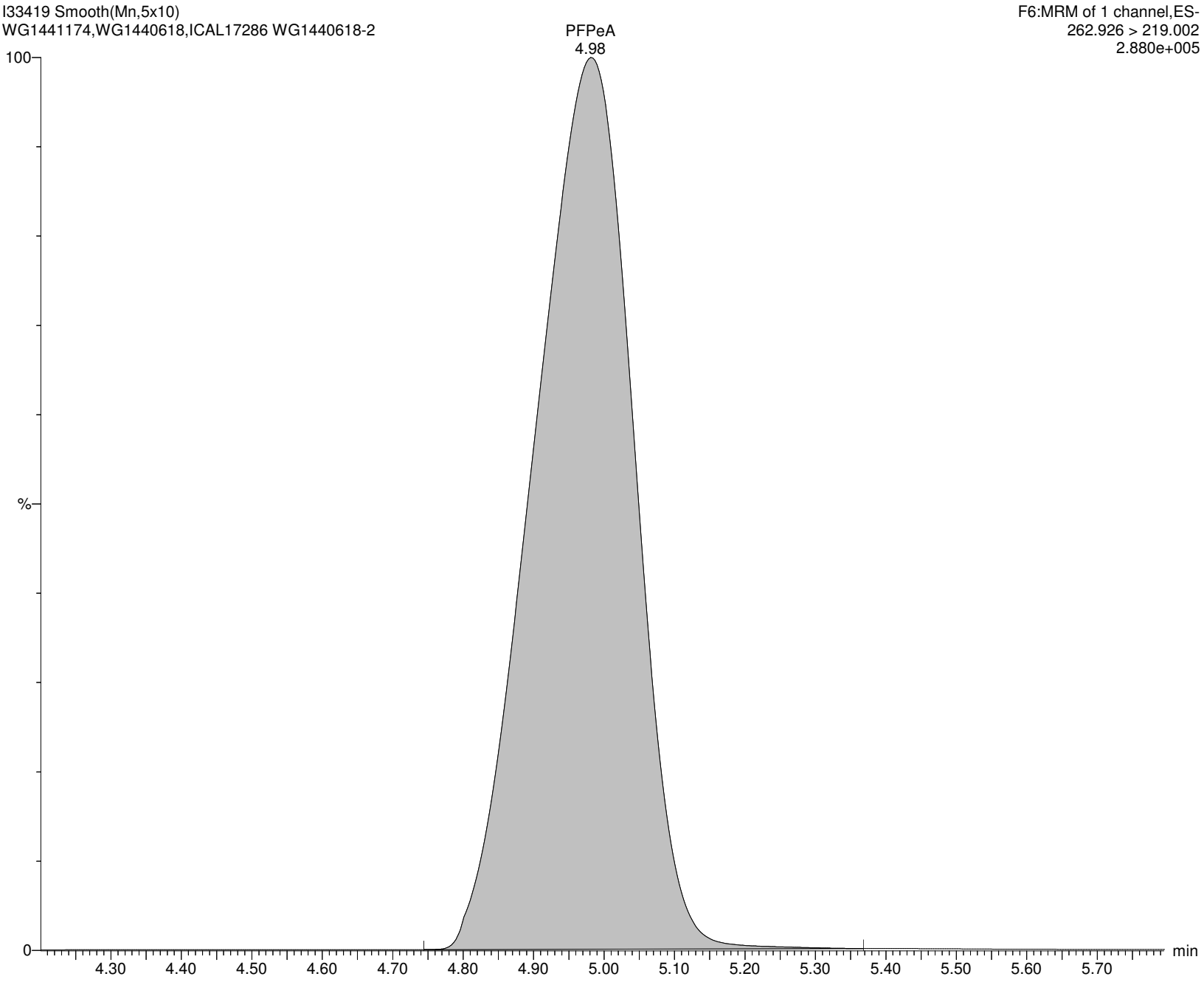
Name: I33419
ID: WG1440618-2
Date: 04-Dec-2020
Time: 16:45:31
Description: WG1441174,WG1440618,ICAL17286
User: LCMS02:JW
Vial: 1:D,1
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\200520_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

PFPeA



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
Last Altered: Sunday, December 06, 2020 22:56:32 Eastern Standard Time
Printed: Sunday, December 06, 2020 22:59:37 Eastern Standard Time

Name: I33419
ID: WG1440618-2
Date: 04-Dec-2020
Time: 16:45:31
Description: WG1441174,WG1440618,ICAL17286
User: LCMS02:JW
Vial: 1:D,1
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
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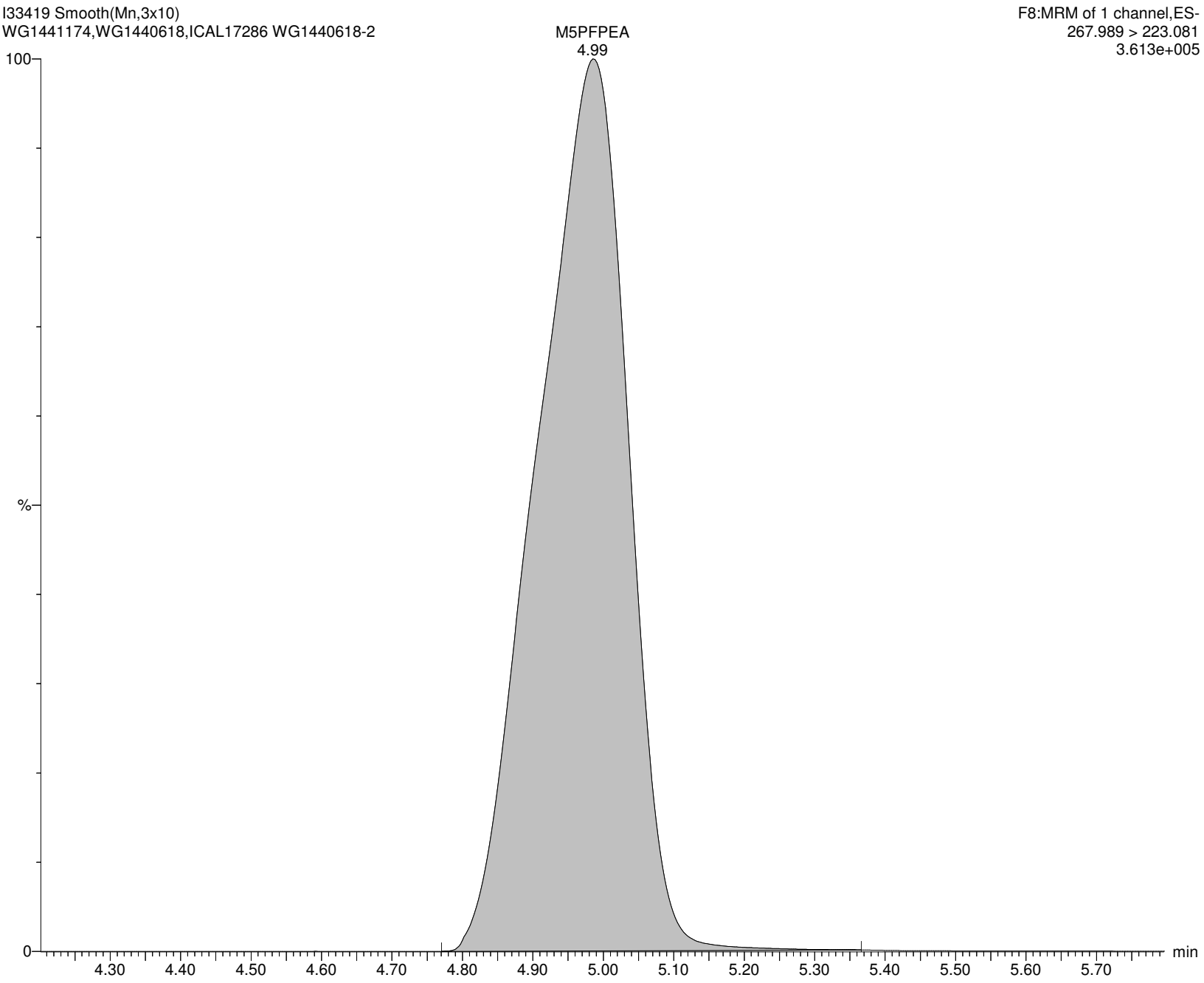
M5PFPEA



all concentration units in (ng/mL)

Alpha Analytical Inc.
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Time: 16:45:31
Description: WG1441174,WG1440618,ICAL17286
User: LCMS02:JW
Vial: 1:D,1
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\200520_TUNE.IPR
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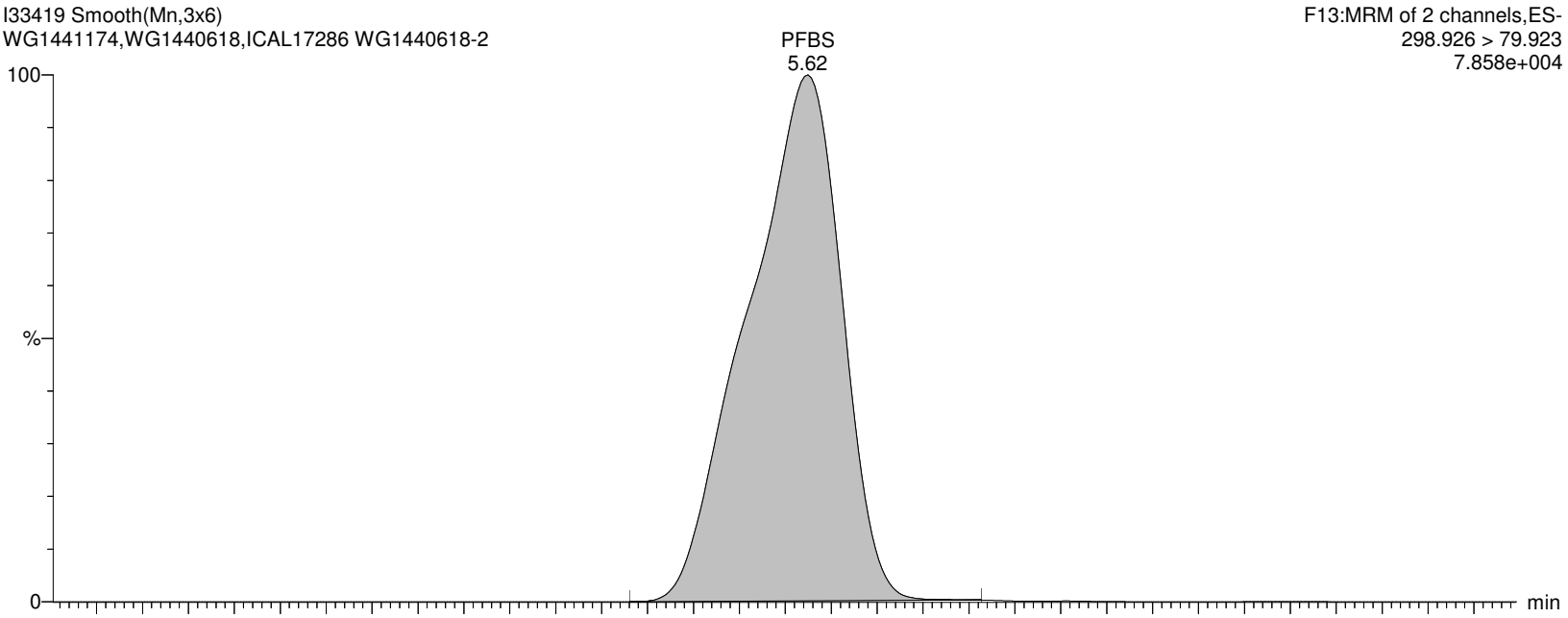
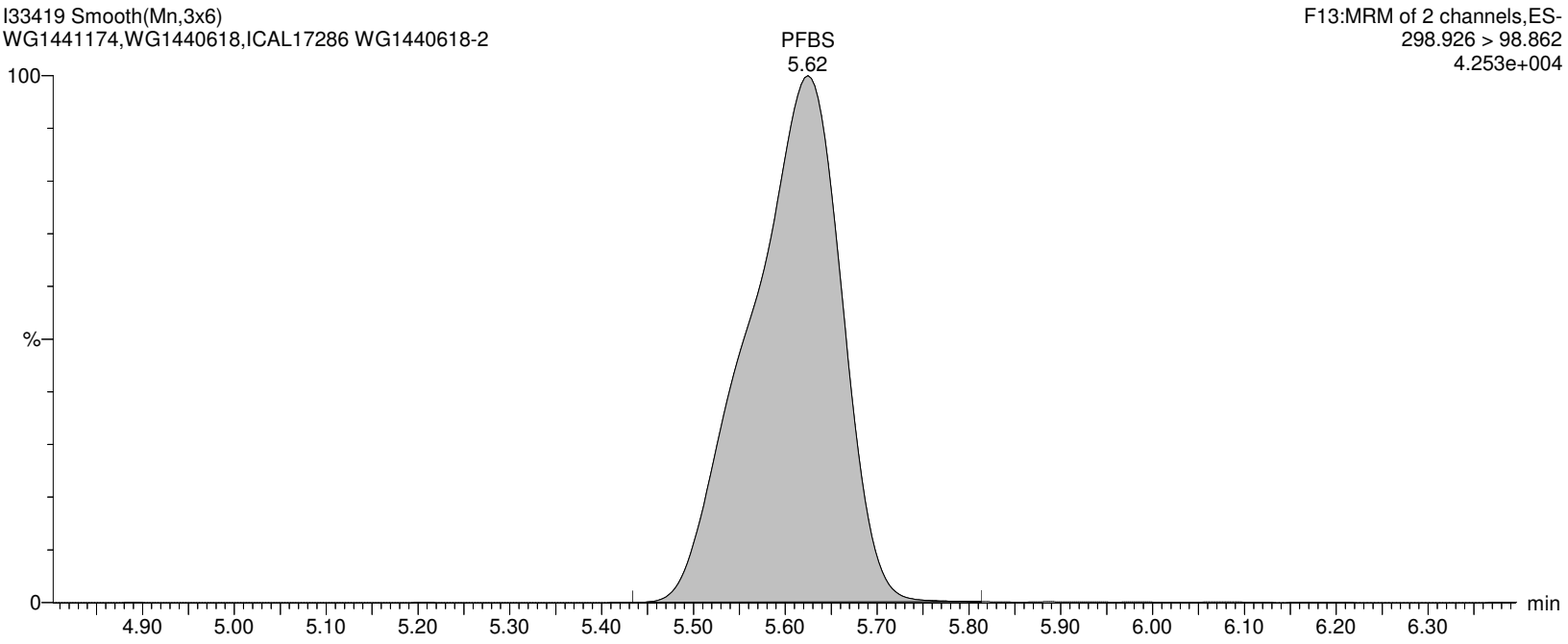
PFBS





all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
Last Altered: Sunday, December 06, 2020 22:56:32 Eastern Standard Time
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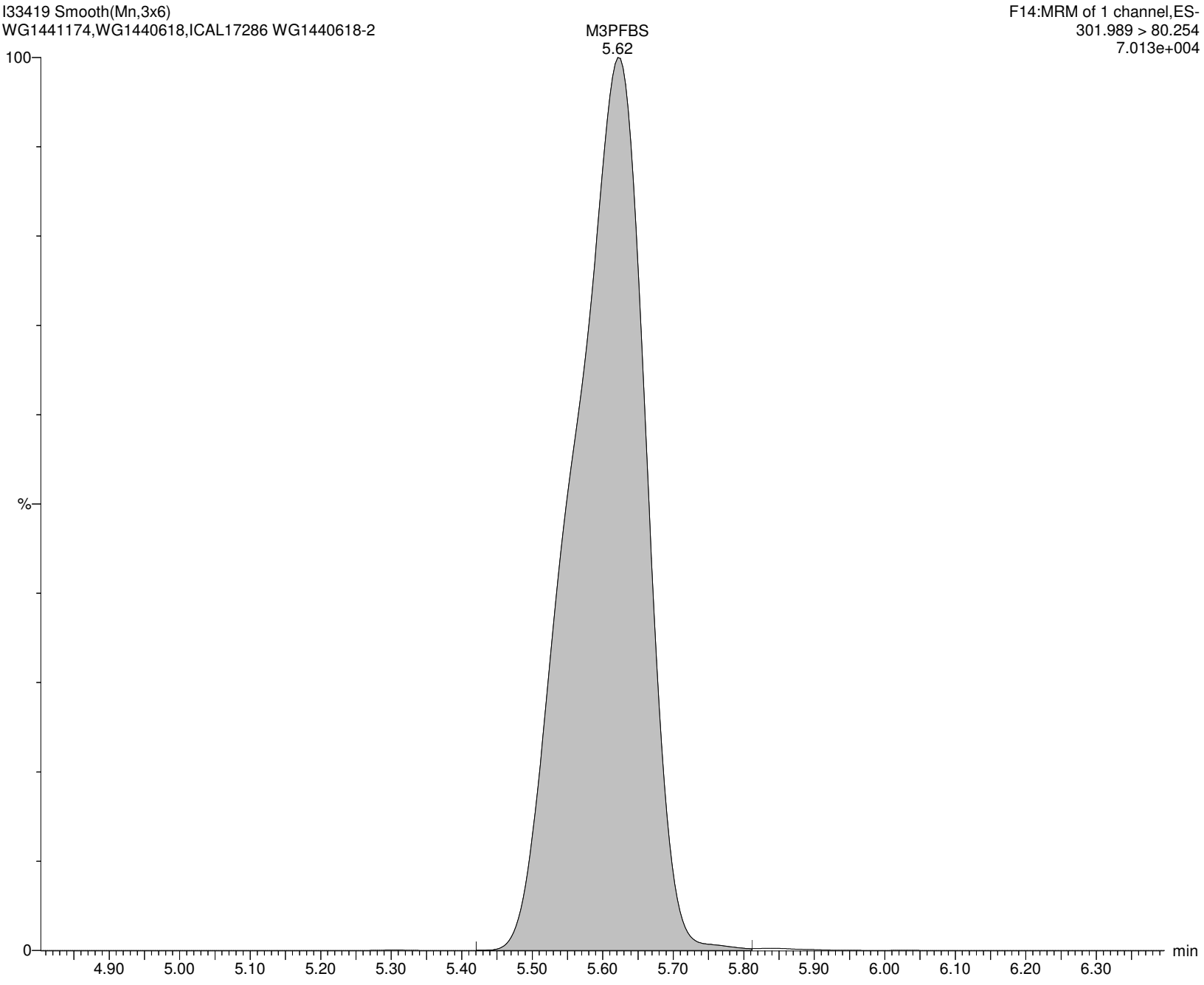
Name: I33419
ID: WG1440618-2
Date: 04-Dec-2020
Time: 16:45:31
Description: WG1441174,WG1440618,ICAL17286
User: LCMS02:JW
Vial: 1:D,1
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\200520_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

M3PFBS

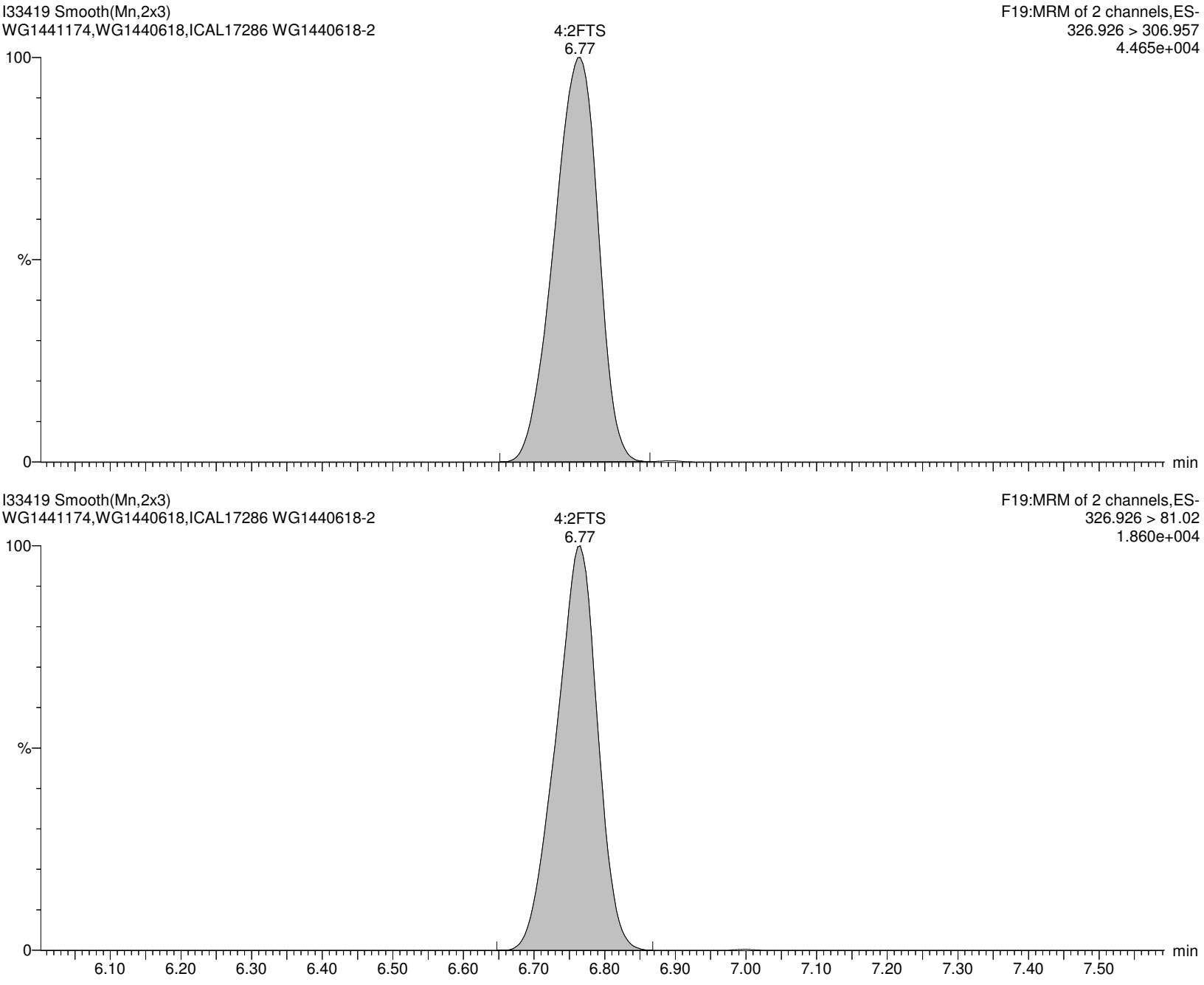


all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
Last Altered: Sunday, December 06, 2020 22:56:32 Eastern Standard Time
Printed: Sunday, December 06, 2020 22:59:37 Eastern Standard Time

Name: I33419
ID: WG1440618-2
Date: 04-Dec-2020
Time: 16:45:31
Description: WG1441174,WG1440618,ICAL17286
User: LCMS02:JW
Vial: 1:D,1
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\200520_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

4:2FTS



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
Last Altered: Sunday, December 06, 2020 22:56:32 Eastern Standard Time
Printed: Sunday, December 06, 2020 22:59:37 Eastern Standard Time

Name: I33419
ID: WG1440618-2
Date: 04-Dec-2020
Time: 16:45:31
Description: WG1441174,WG1440618,ICAL17286
User: LCMS02:JW
Vial: 1:D,1
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\200520_TUNE.IPR
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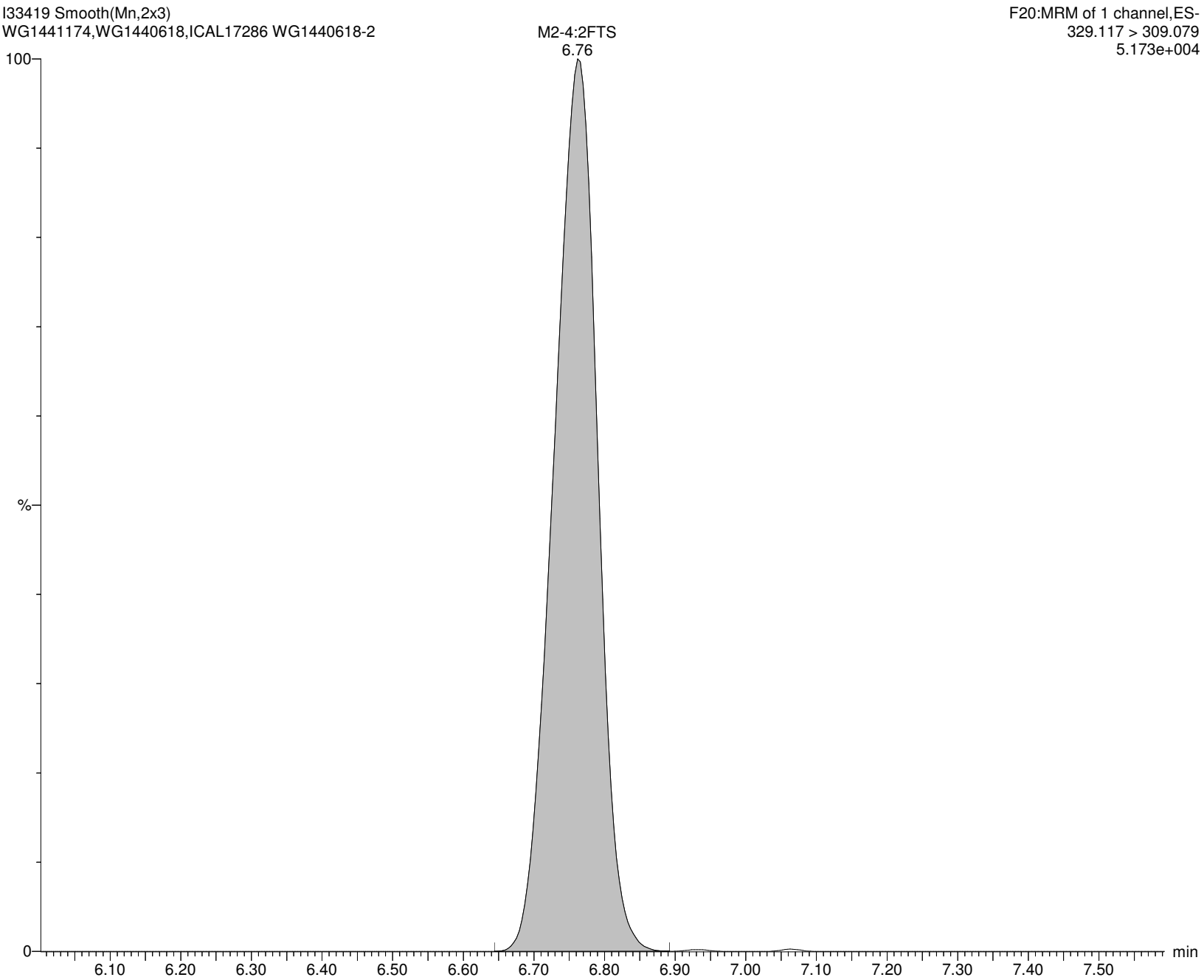
M2-4:2FTS



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
Last Altered: Sunday, December 06, 2020 22:56:32 Eastern Standard Time
Printed: Sunday, December 06, 2020 22:59:37 Eastern Standard Time

Name: I33419
ID: WG1440618-2
Date: 04-Dec-2020
Time: 16:45:31
Description: WG1441174,WG1440618,ICAL17286
User: LCMS02:JW
Vial: 1:D,1
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\200520_TUNE.IPR
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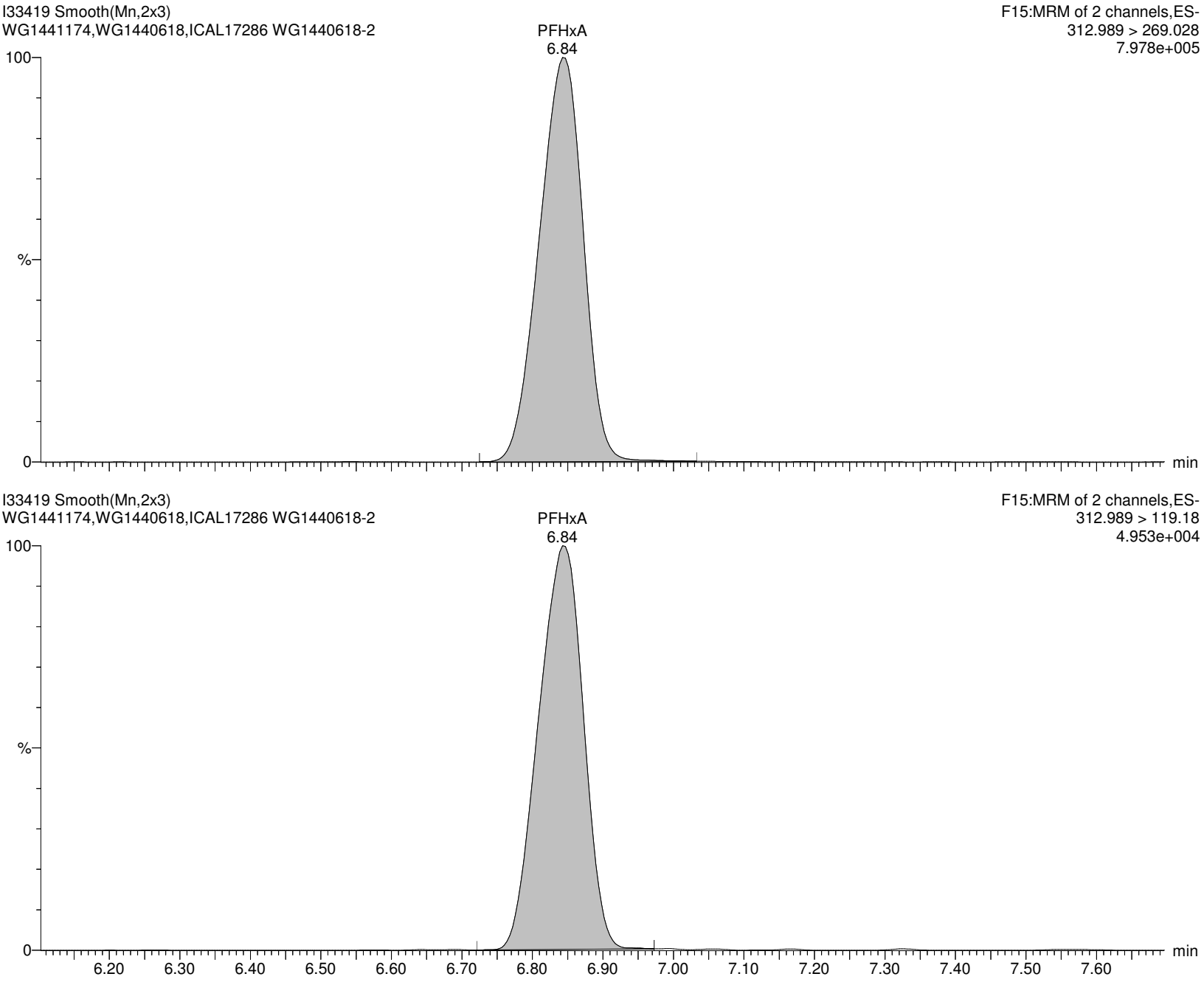

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
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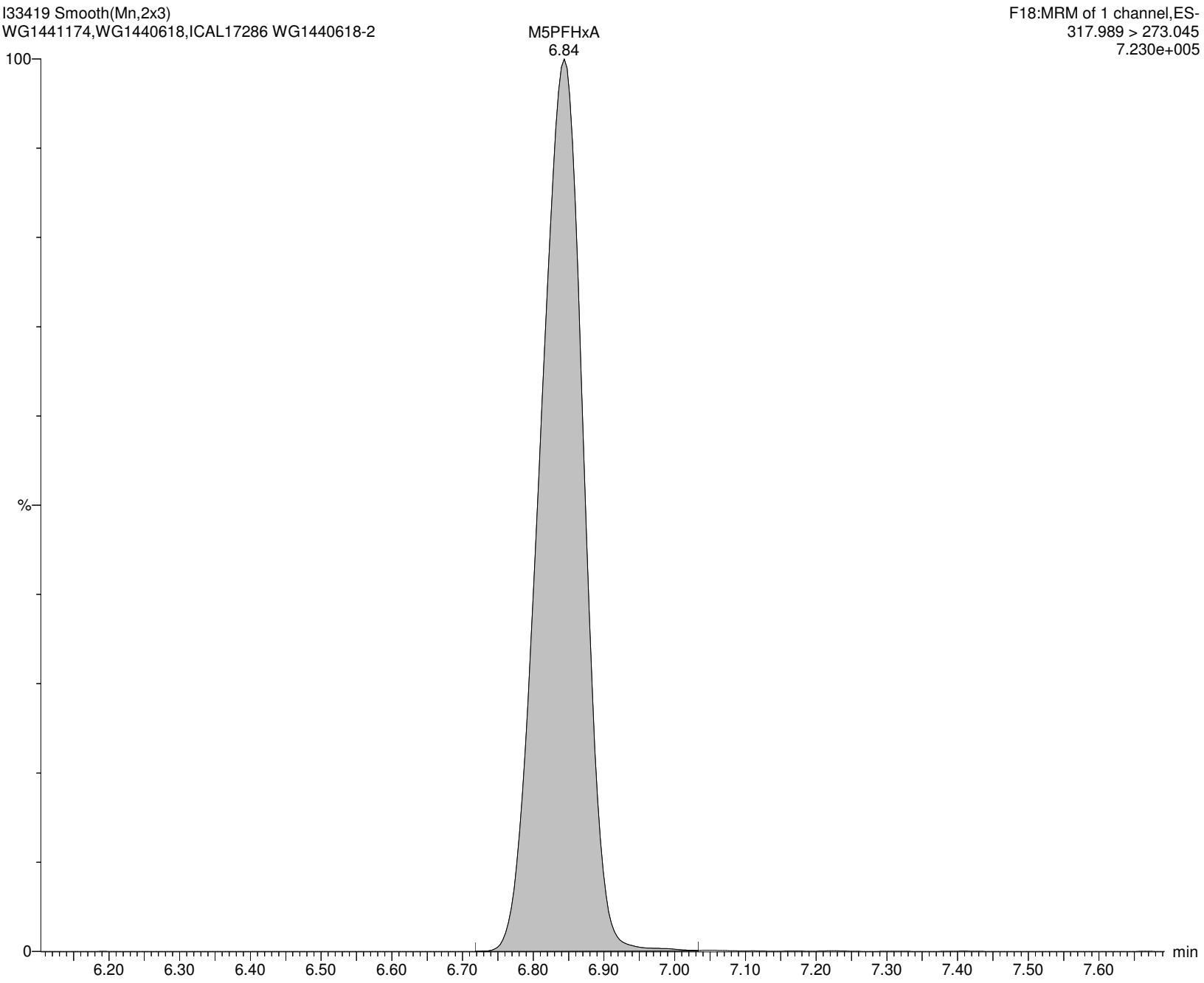

all concentration units in (ng/mL)

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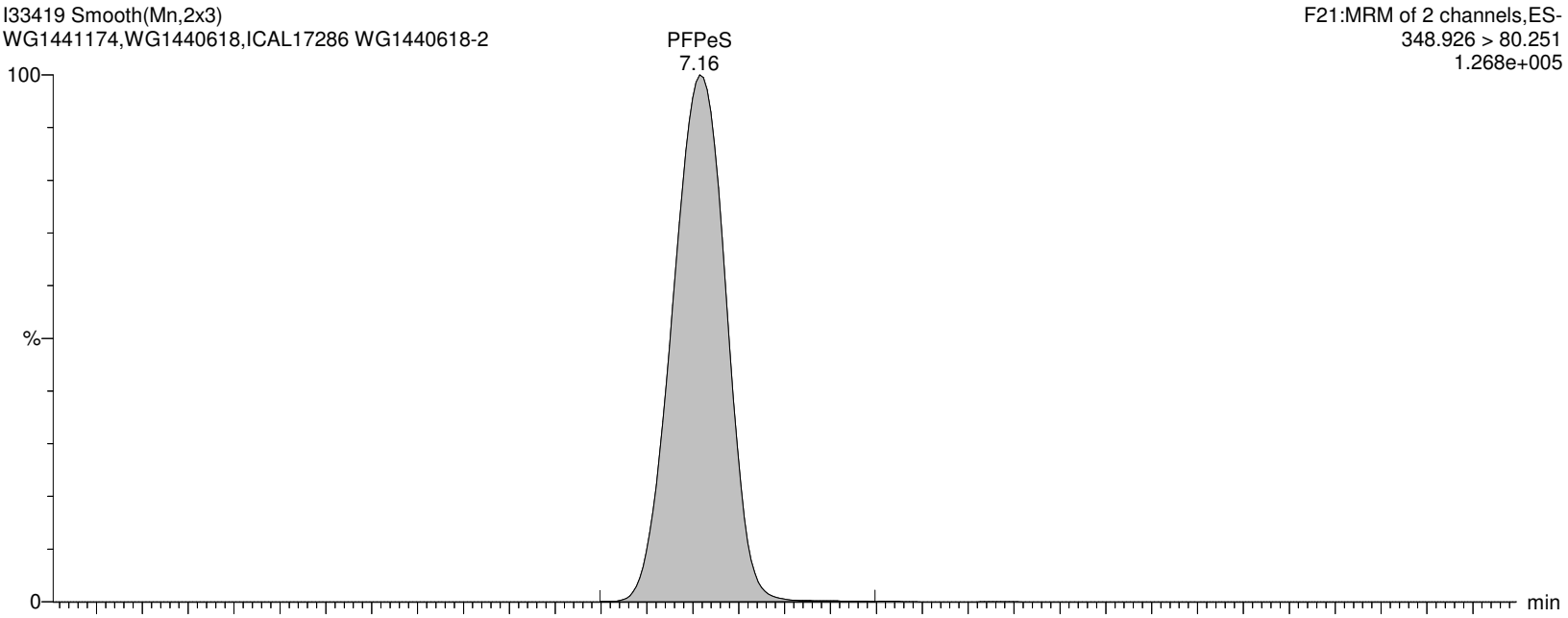

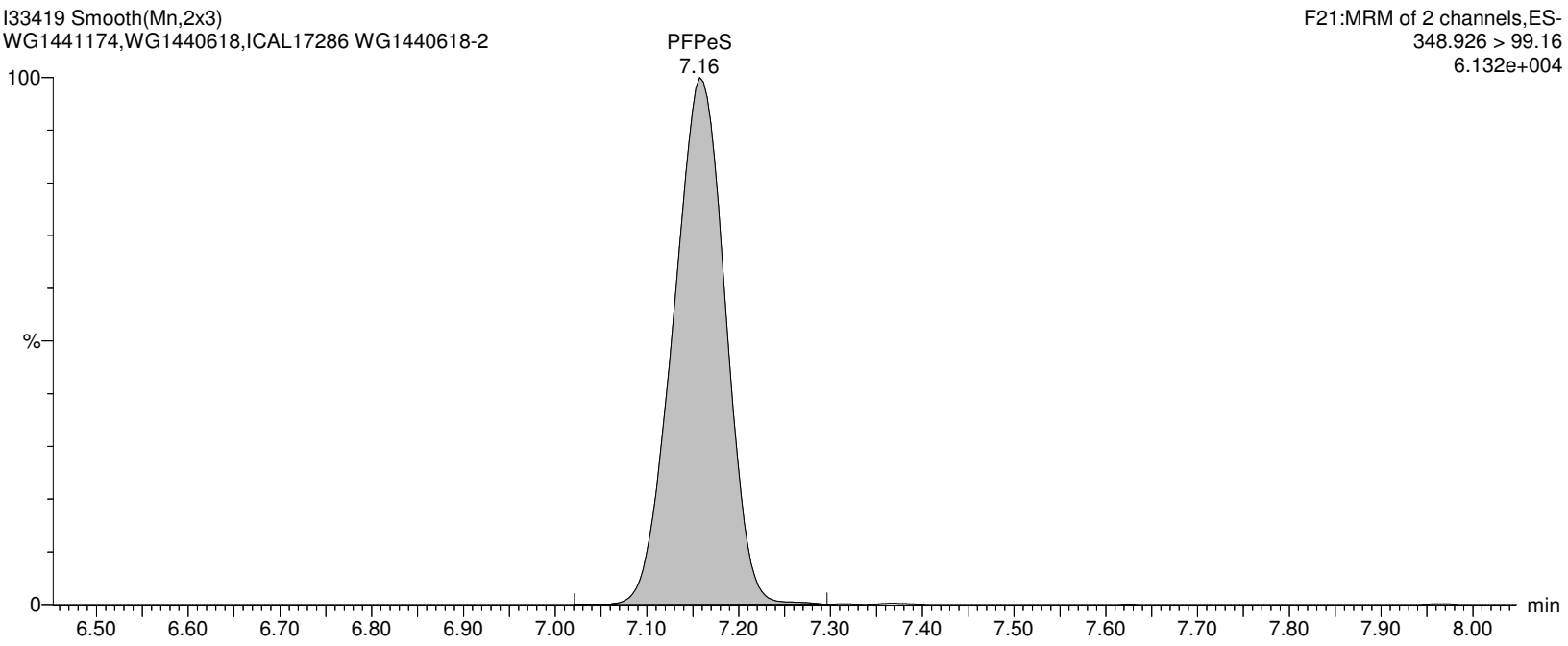

all concentration units in (ng/mL)

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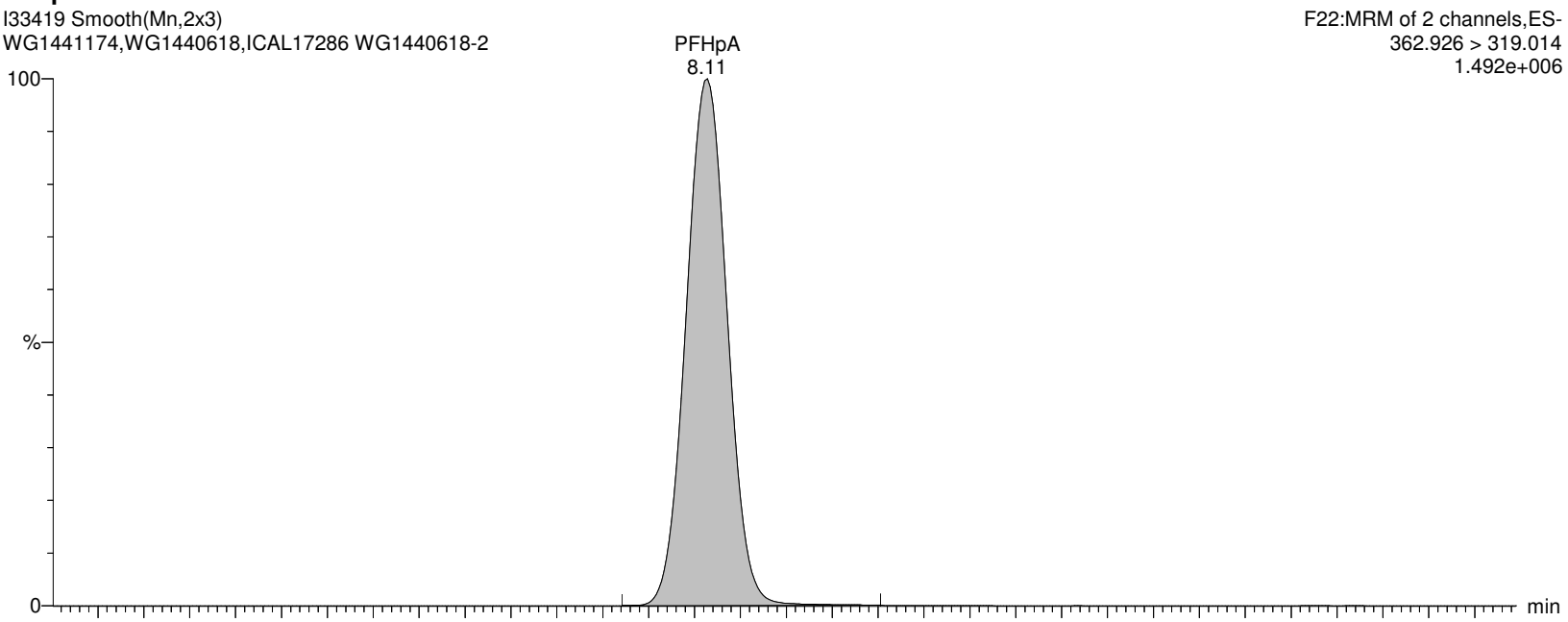

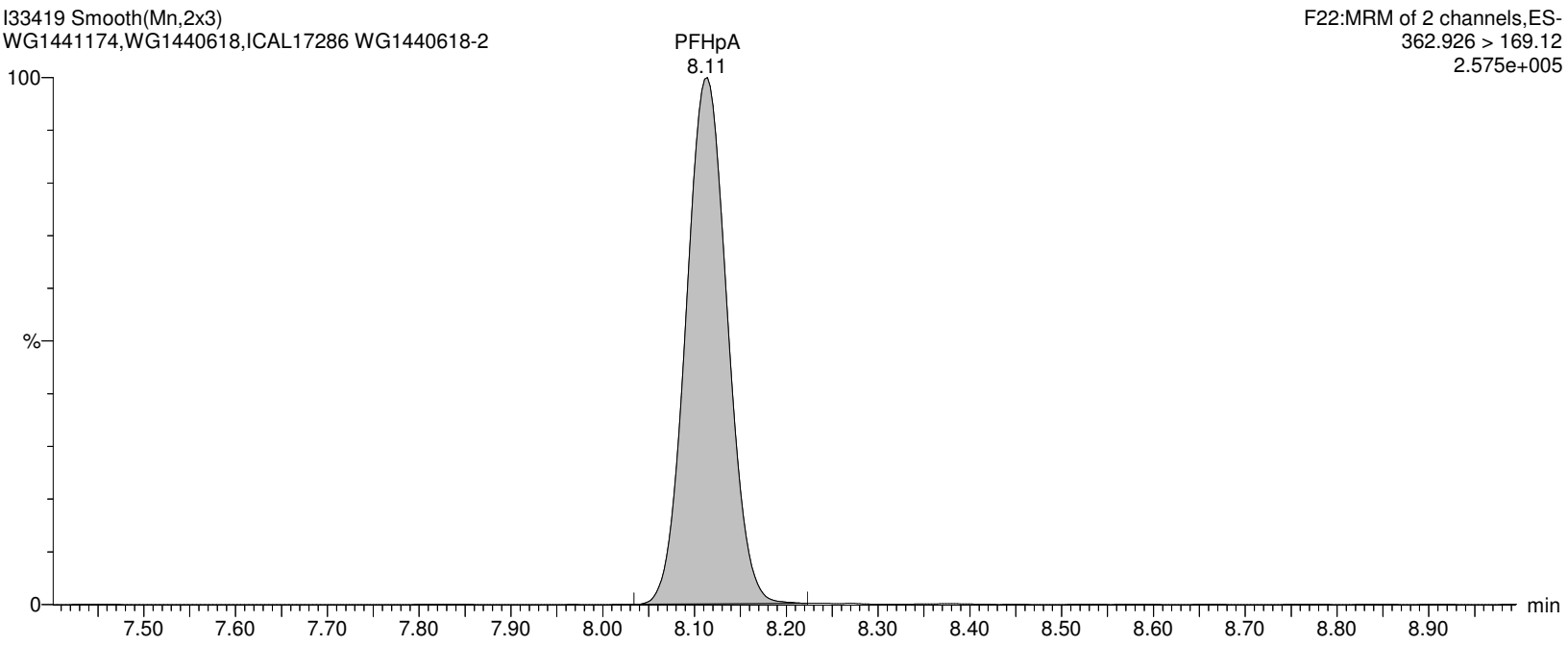

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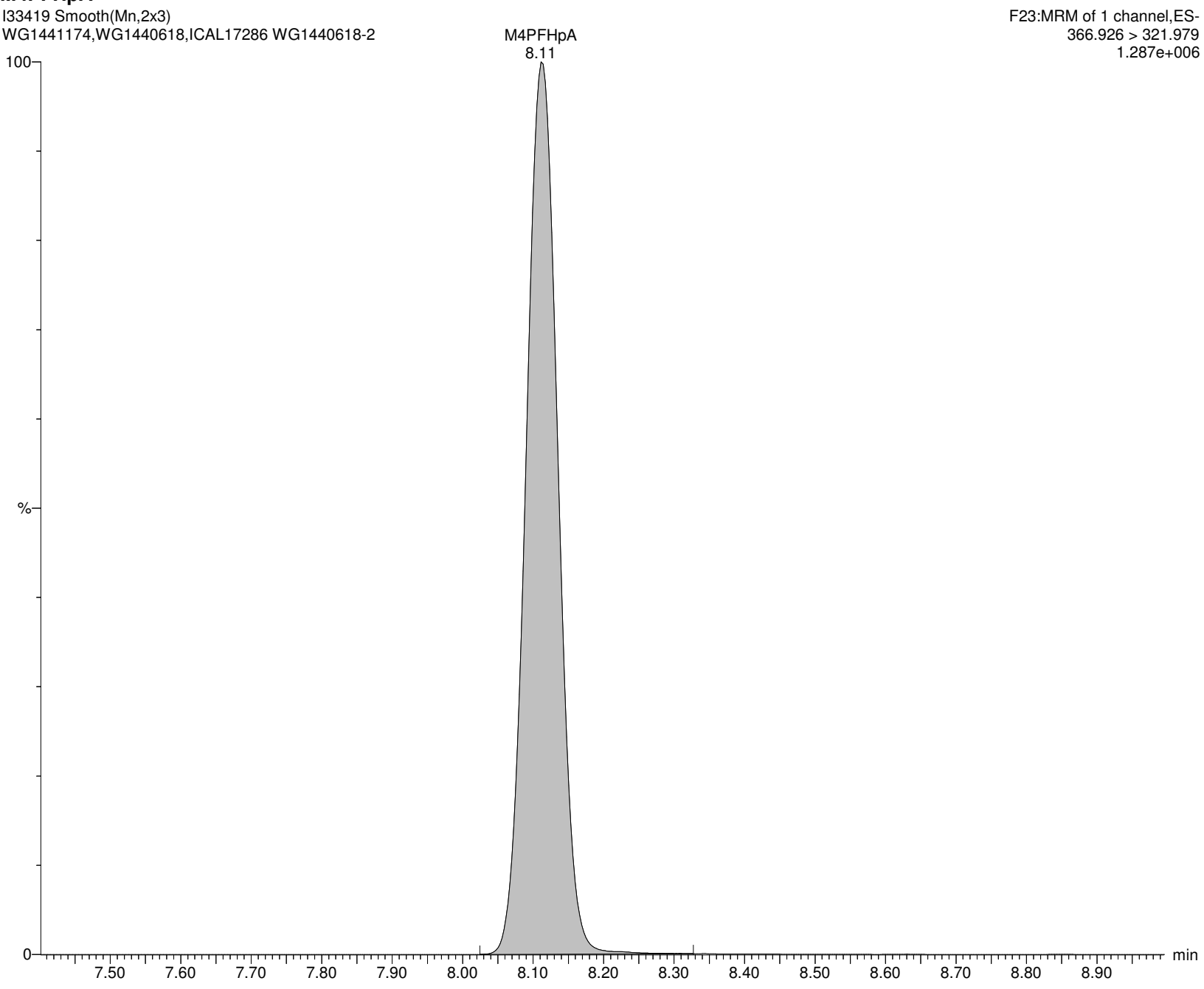

all concentration units in (ng/mL)

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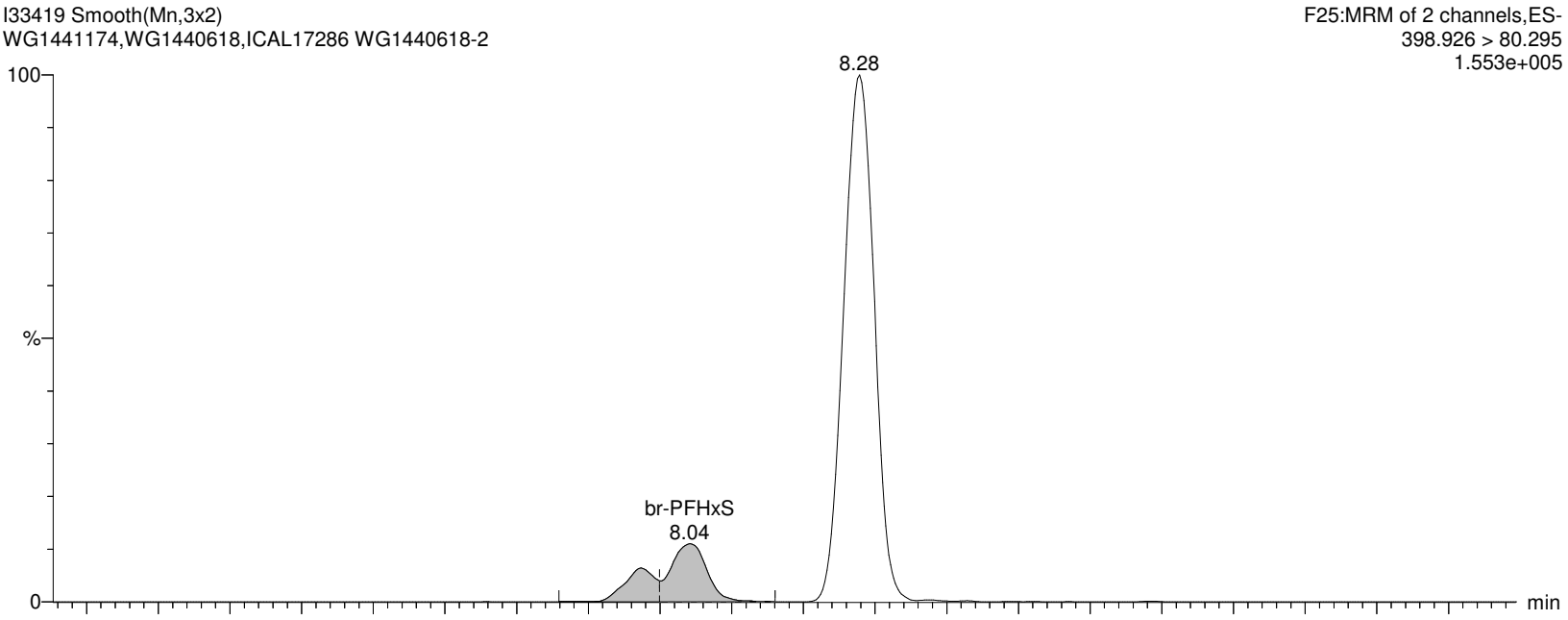

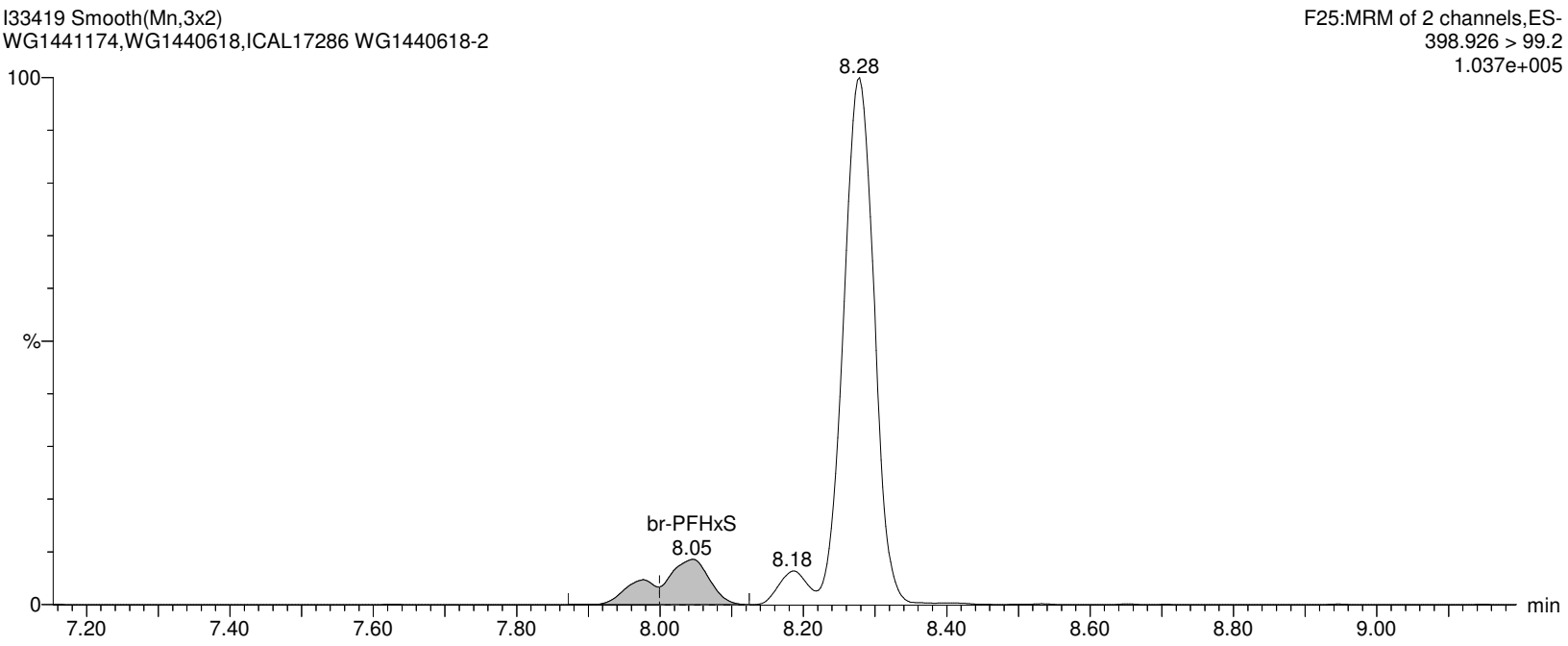

all concentration units in (ng/mL)

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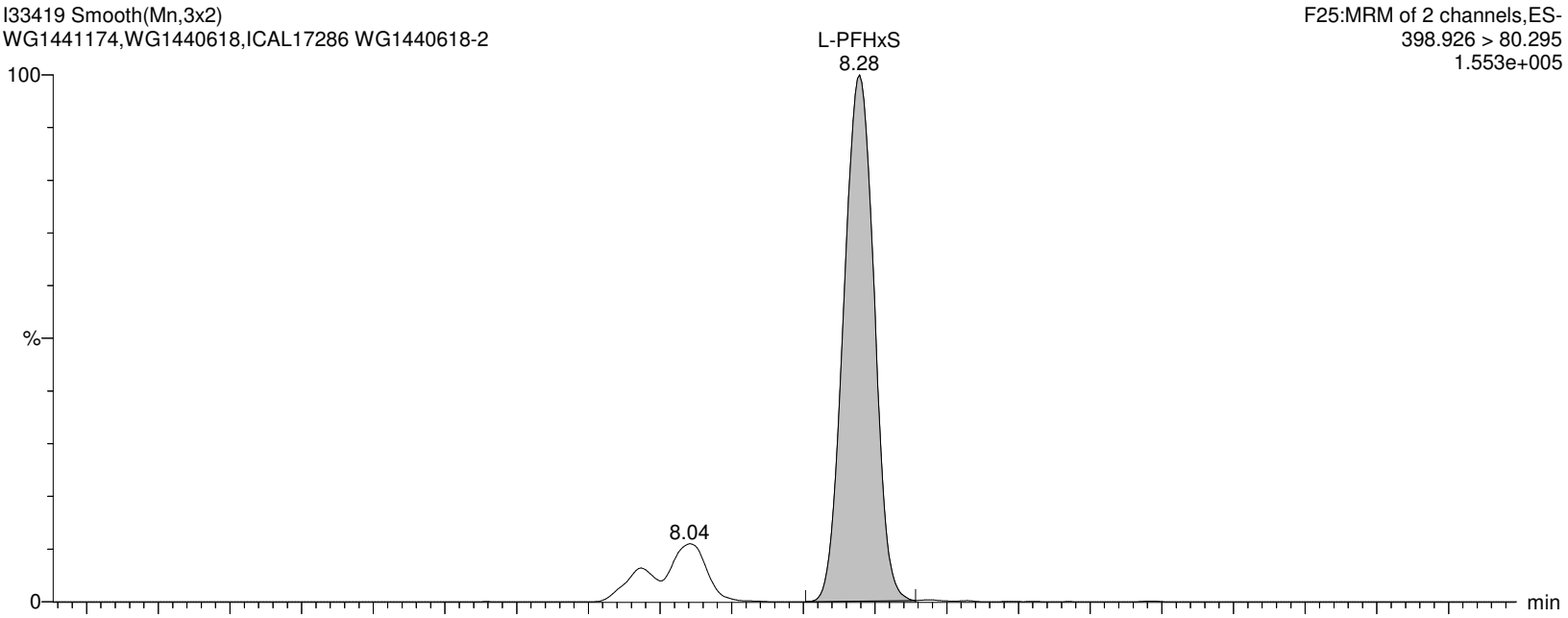

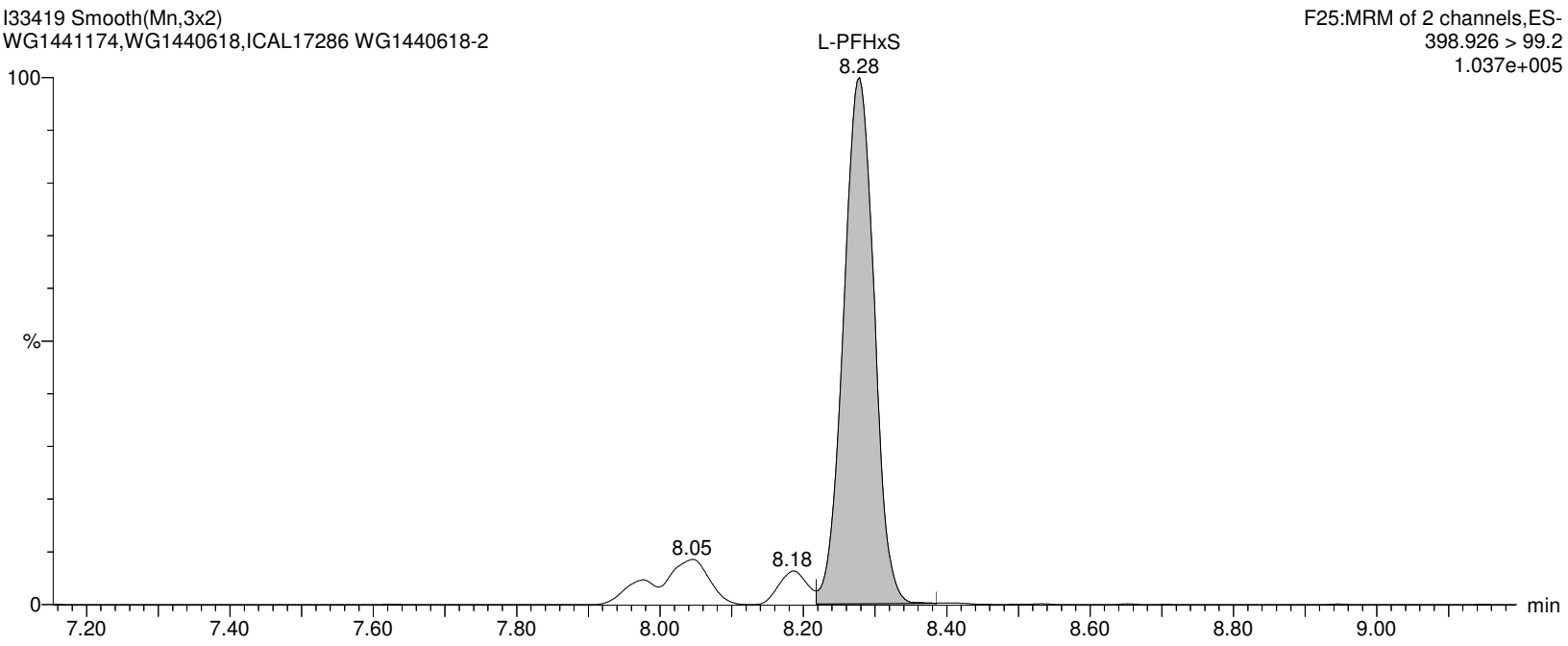

all concentration units in (ng/mL)

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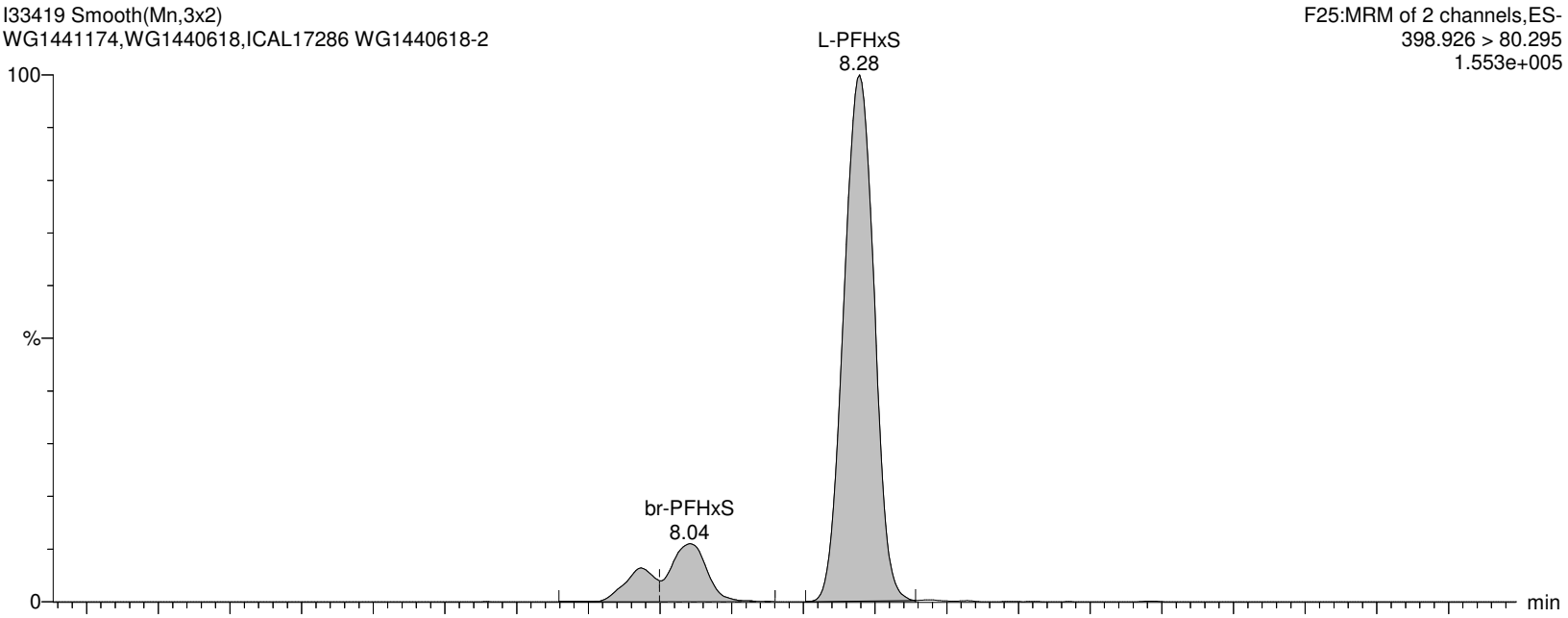

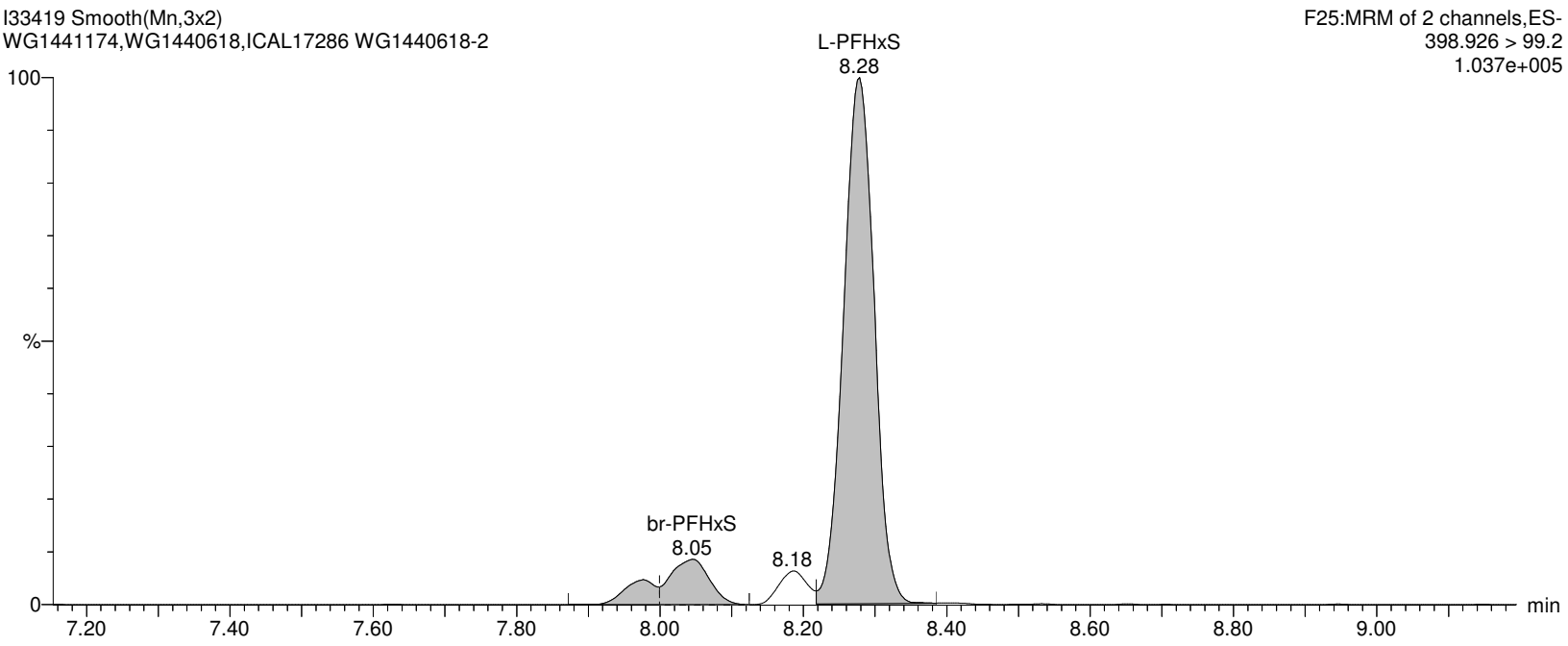

all concentration units in (ng/mL)

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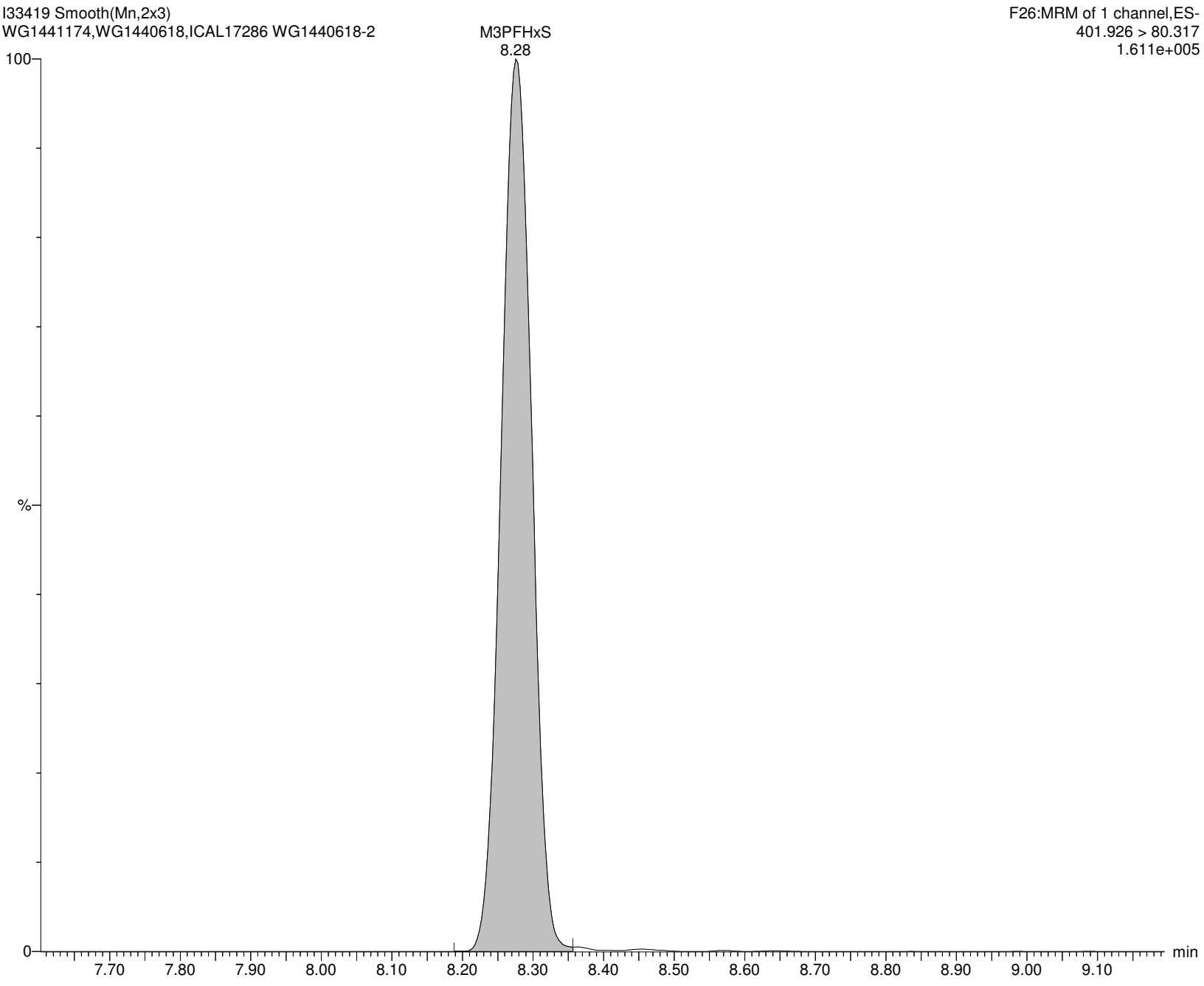

all concentration units in (ng/mL)

Alpha Analytical Inc.
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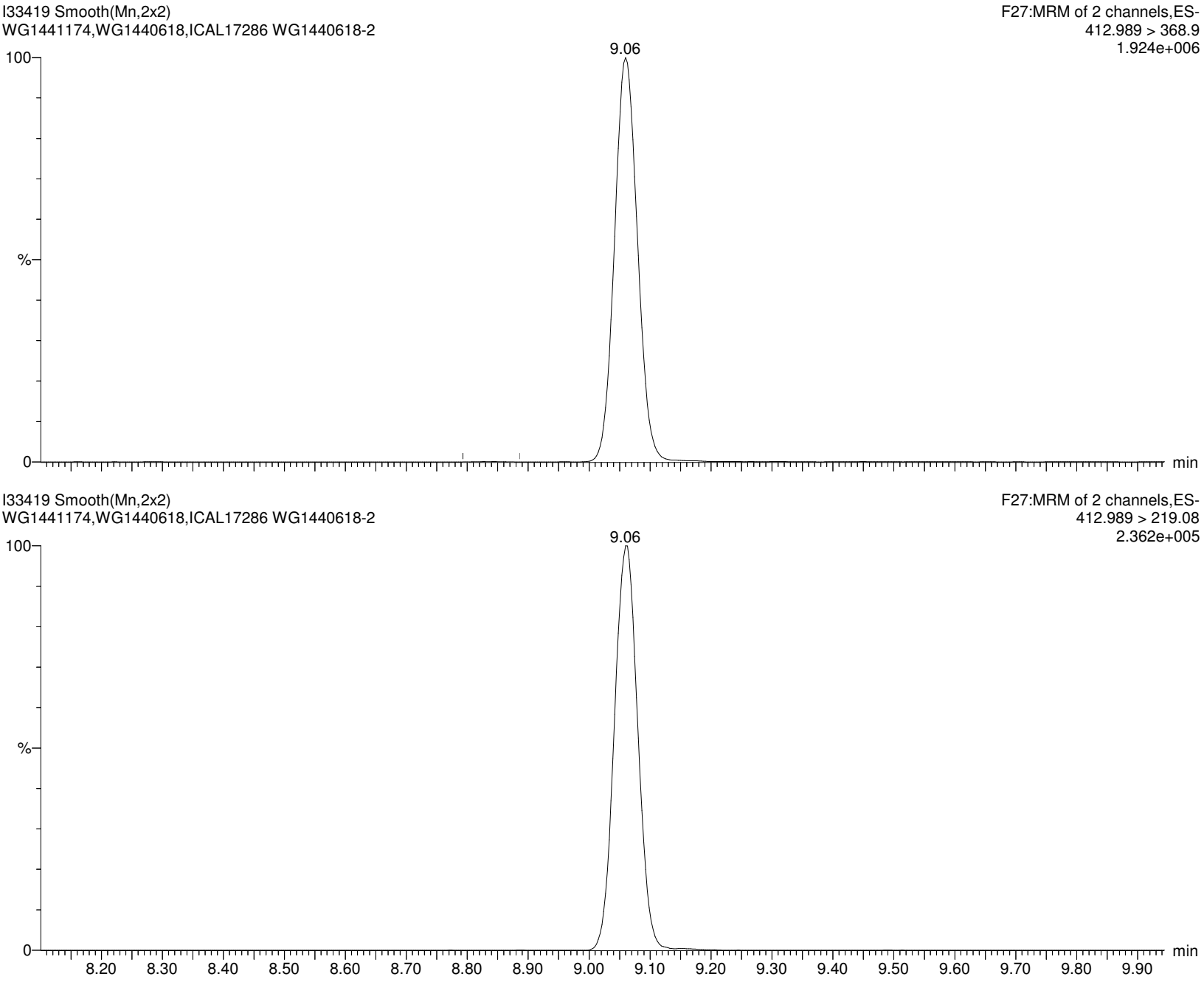

all concentration units in (ng/mL)

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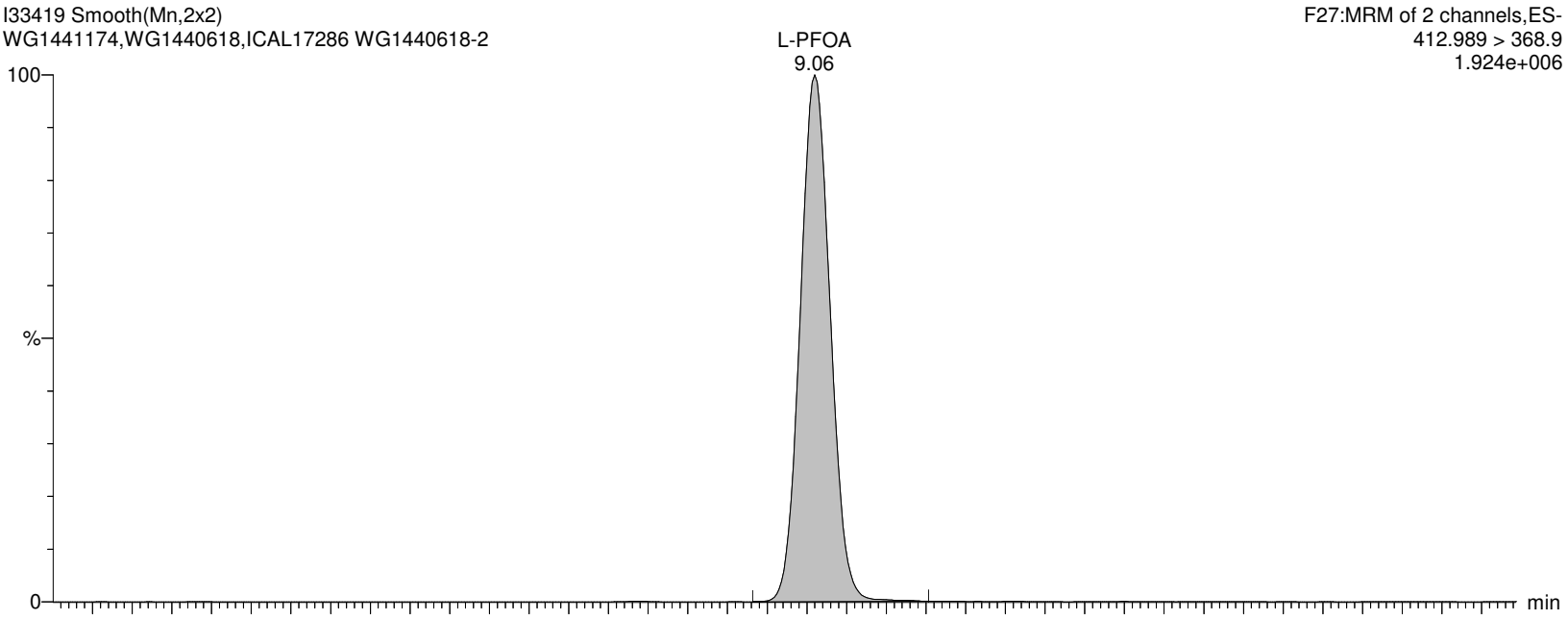

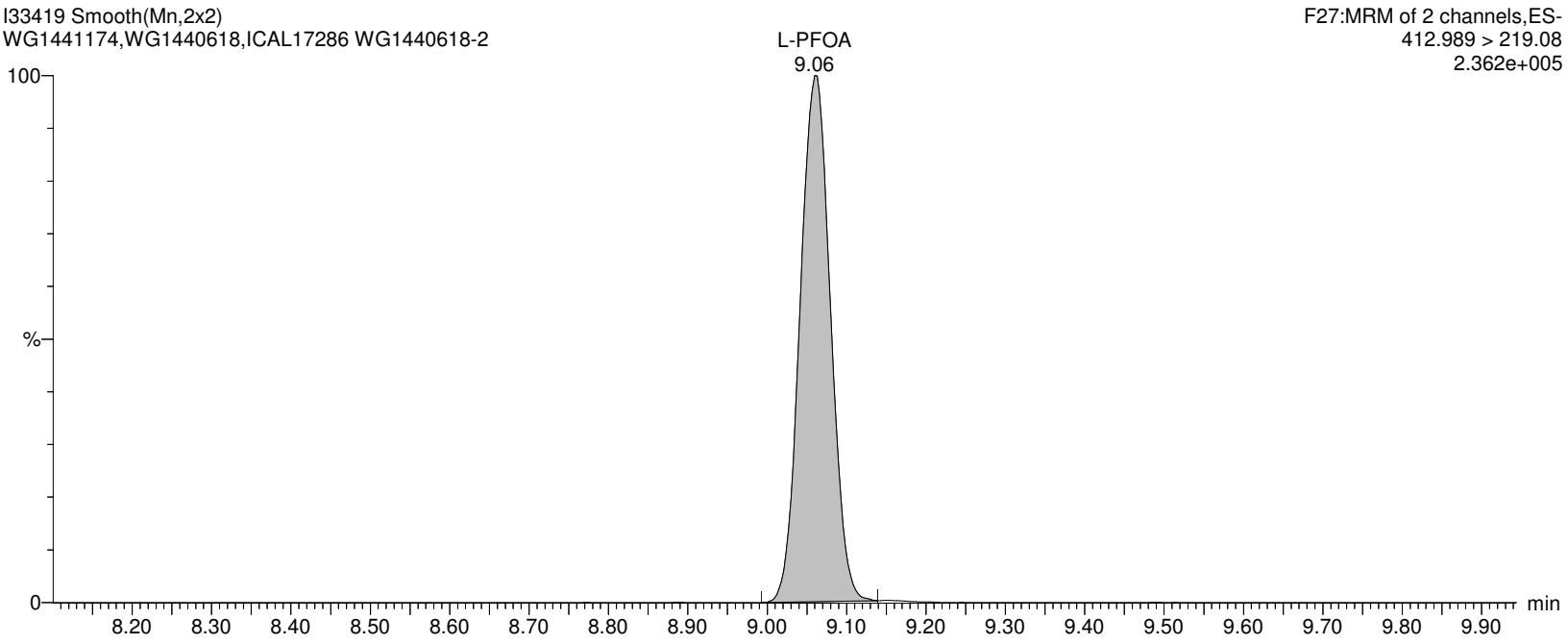

all concentration units in (ng/mL)

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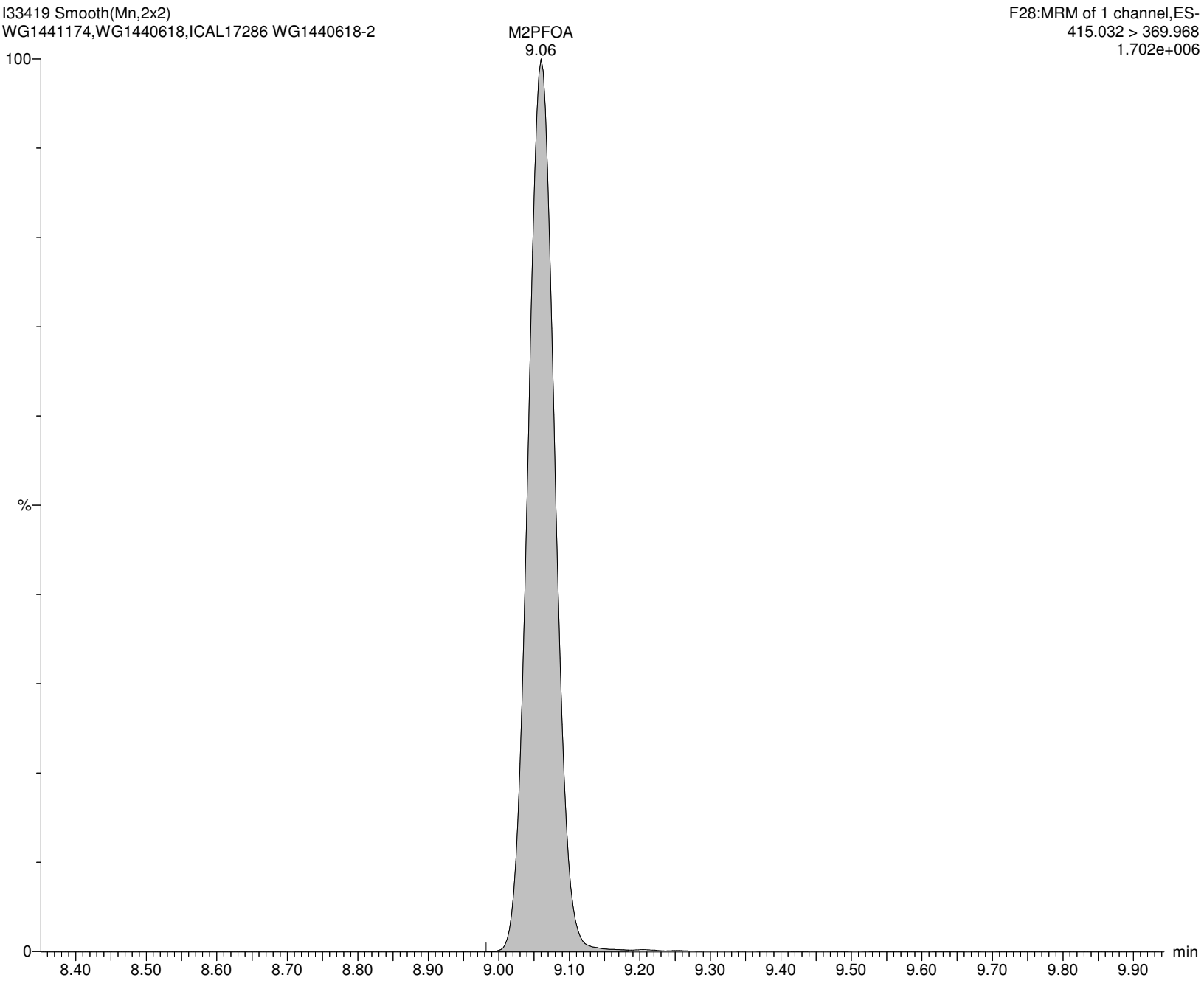

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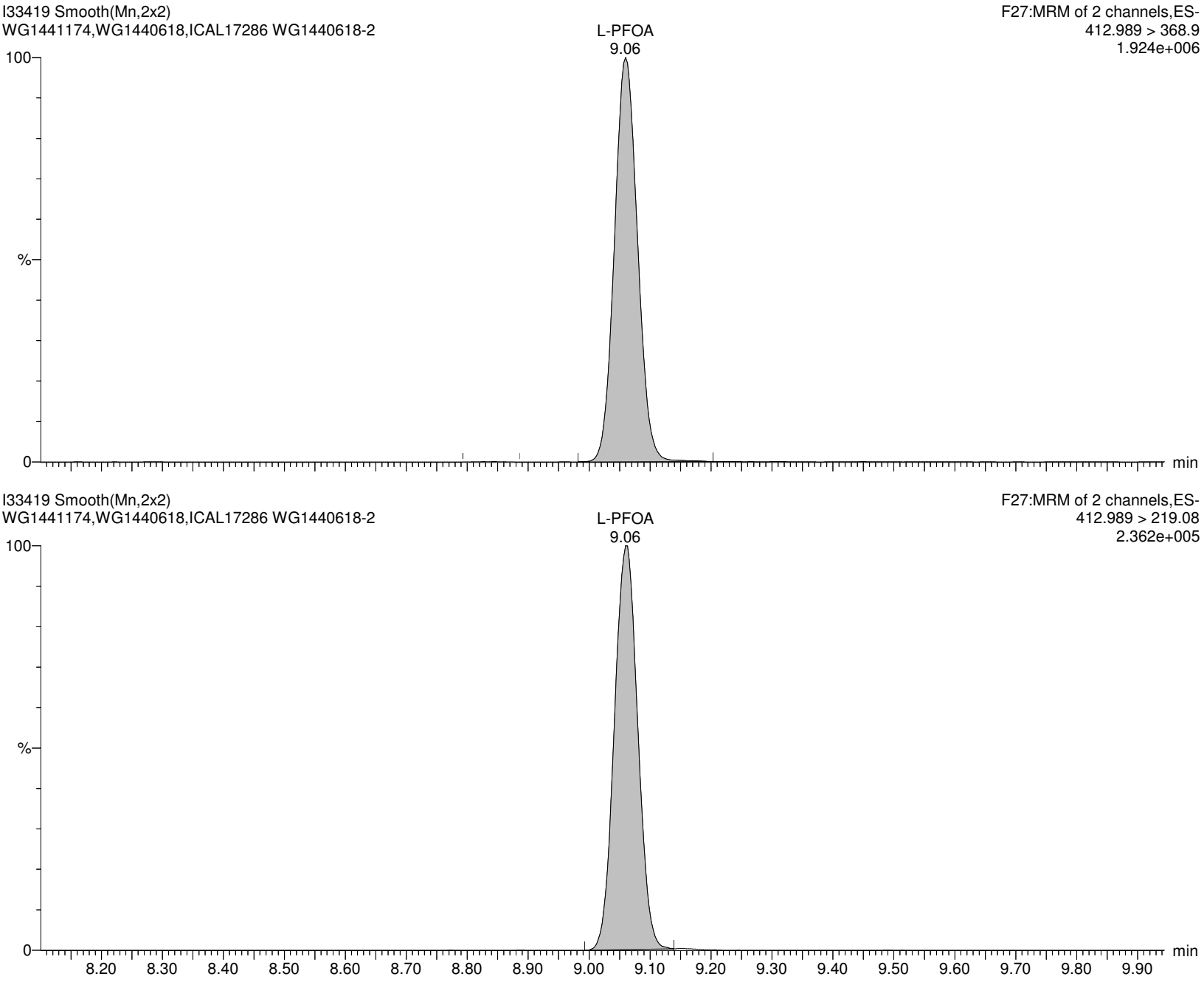

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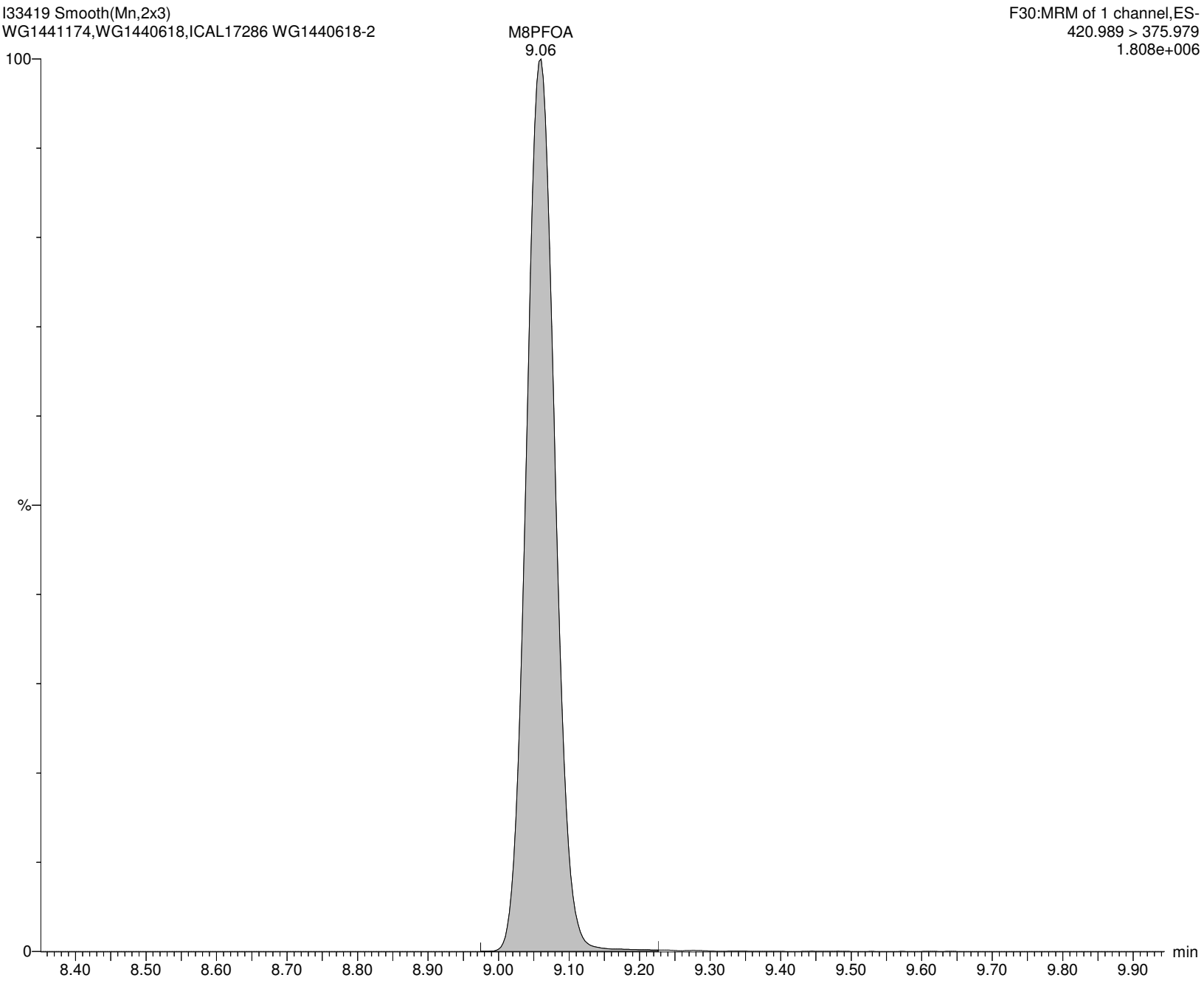

all concentration units in (ng/mL)

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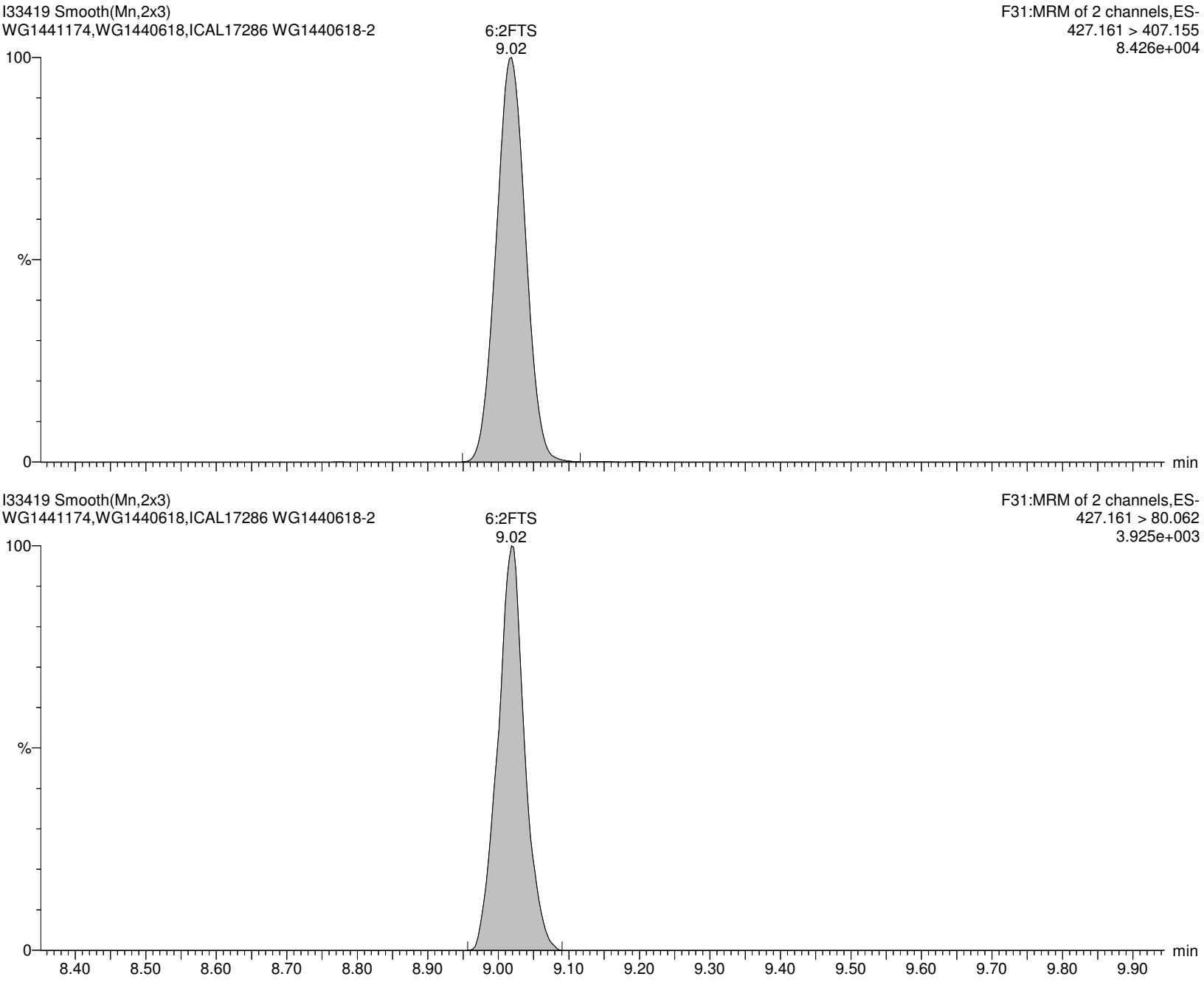
6:2FTS



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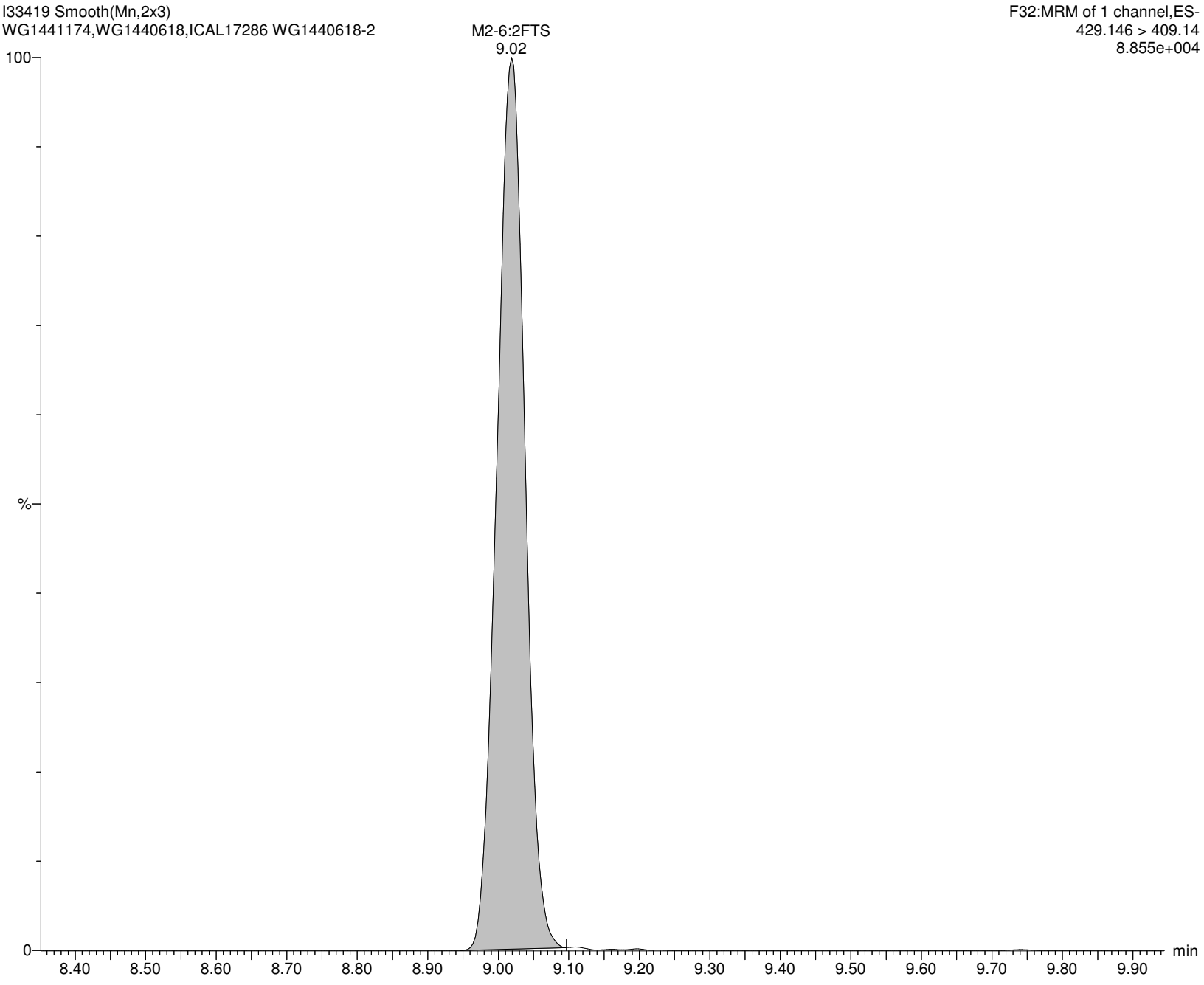
M2-6:2FTS



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
Last Altered: Sunday, December 06, 2020 22:56:32 Eastern Standard Time
Printed: Sunday, December 06, 2020 22:59:37 Eastern Standard Time

Name: I33419
ID: WG1440618-2
Date: 04-Dec-2020
Time: 16:45:31
Description: WG1441174,WG1440618,ICAL17286
User: LCMS02:JW
Vial: 1:D,1
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\200520_TUNE.IPR
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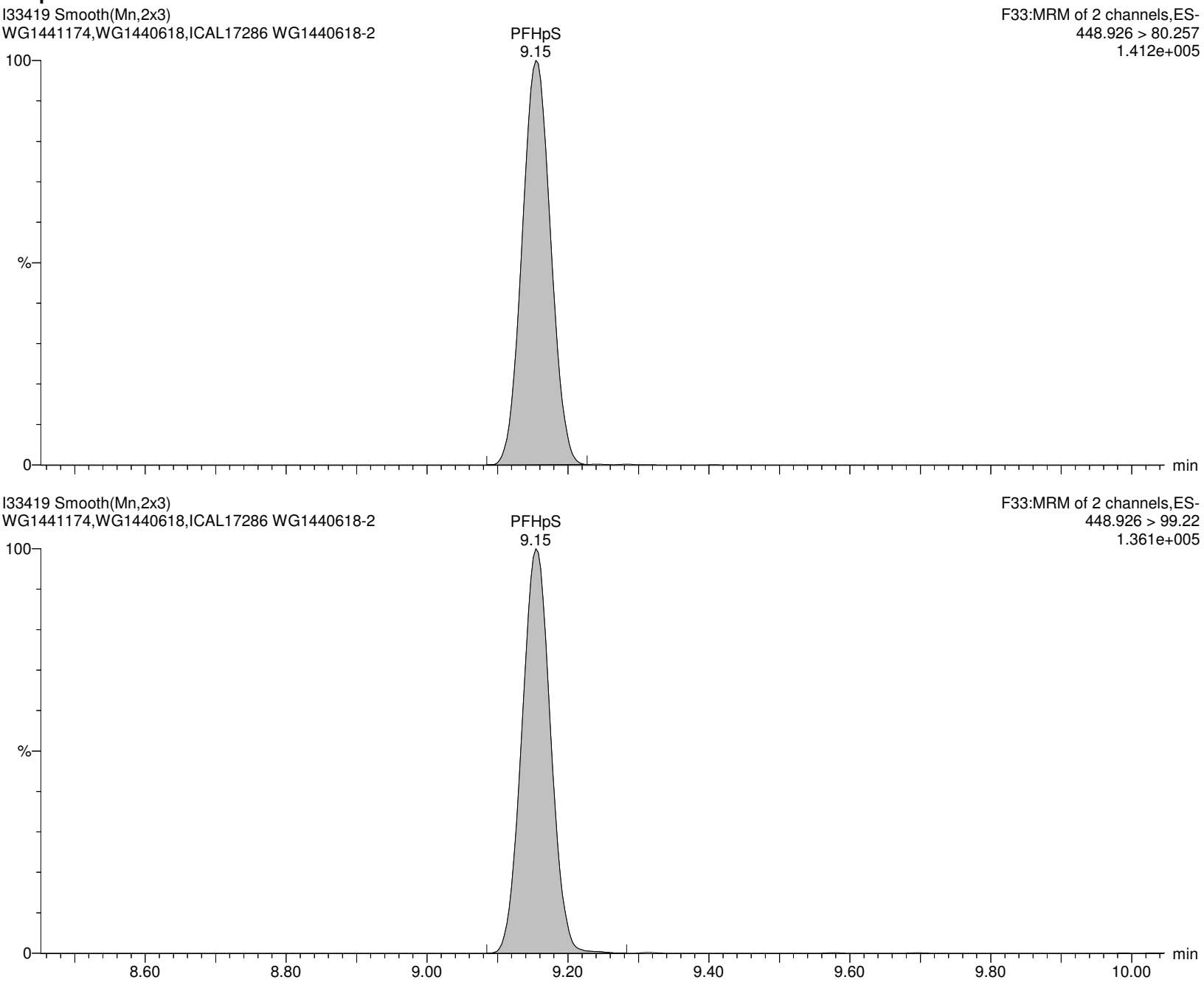
PFHpS



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
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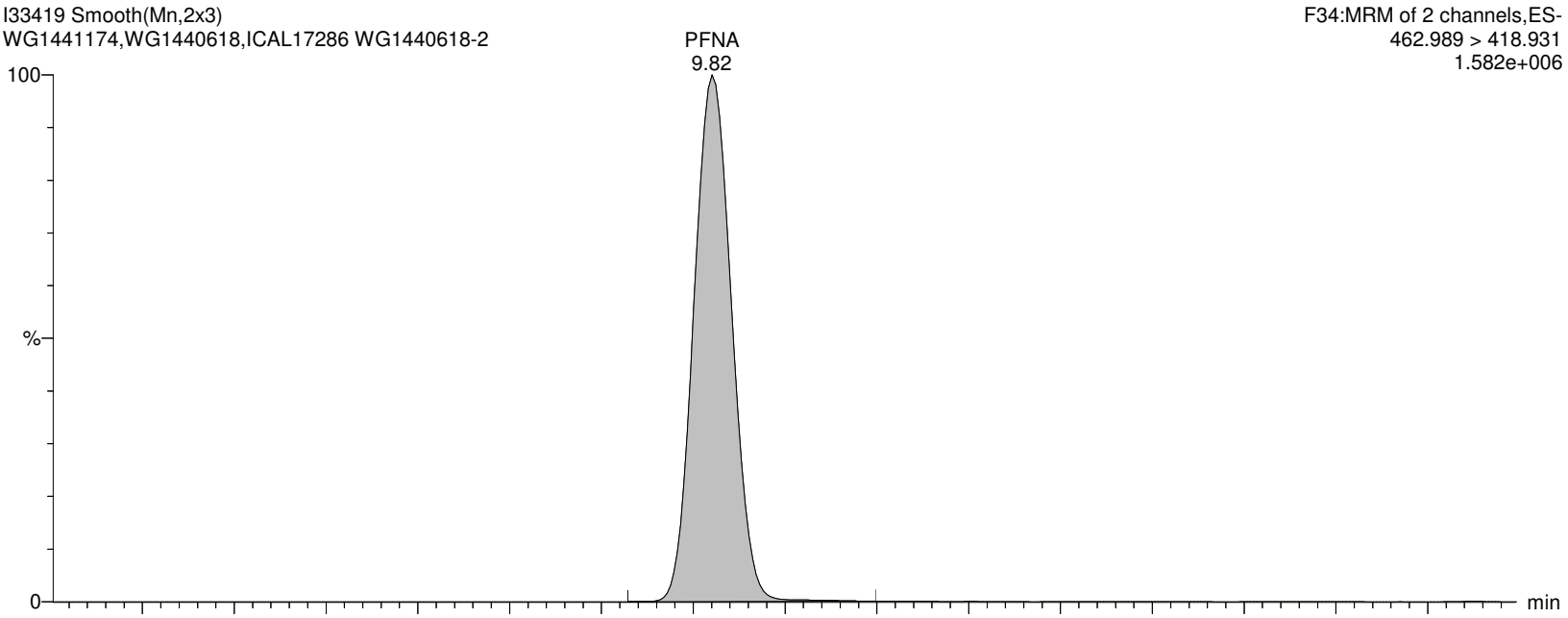

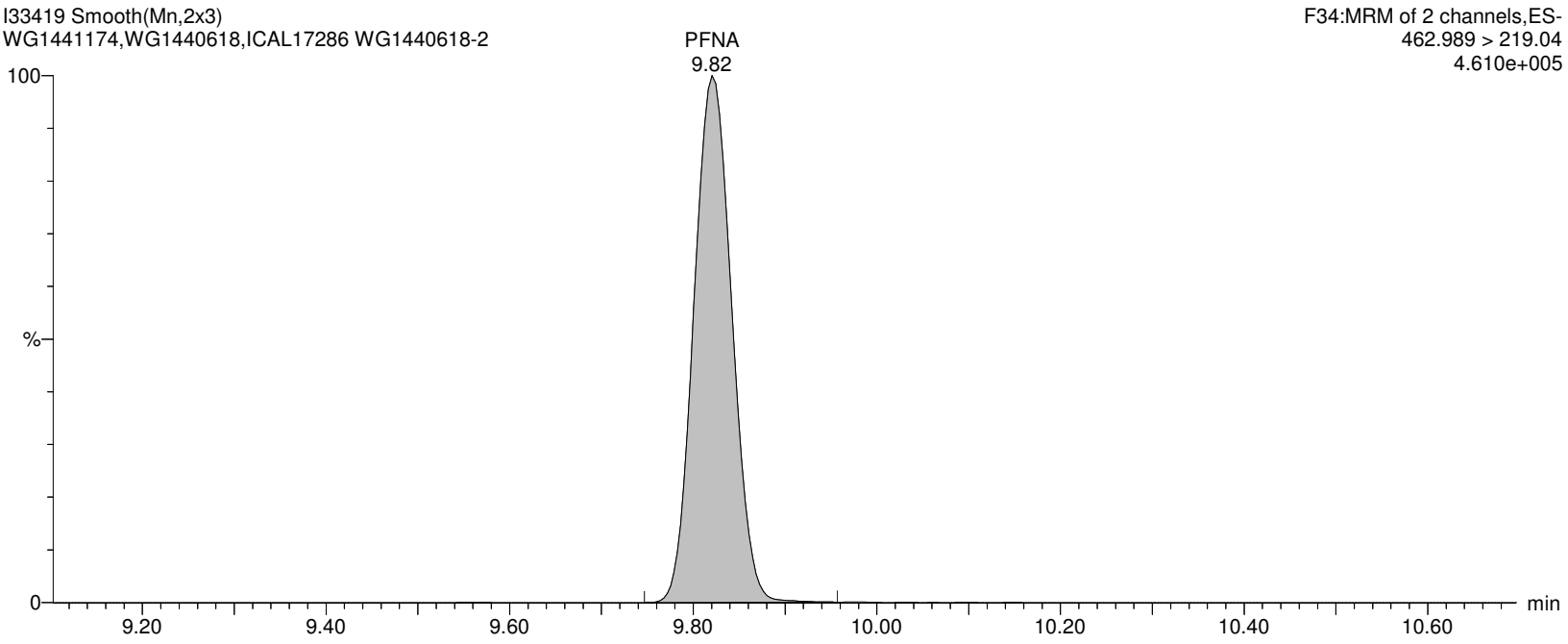

all concentration units in (ng/mL)

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Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
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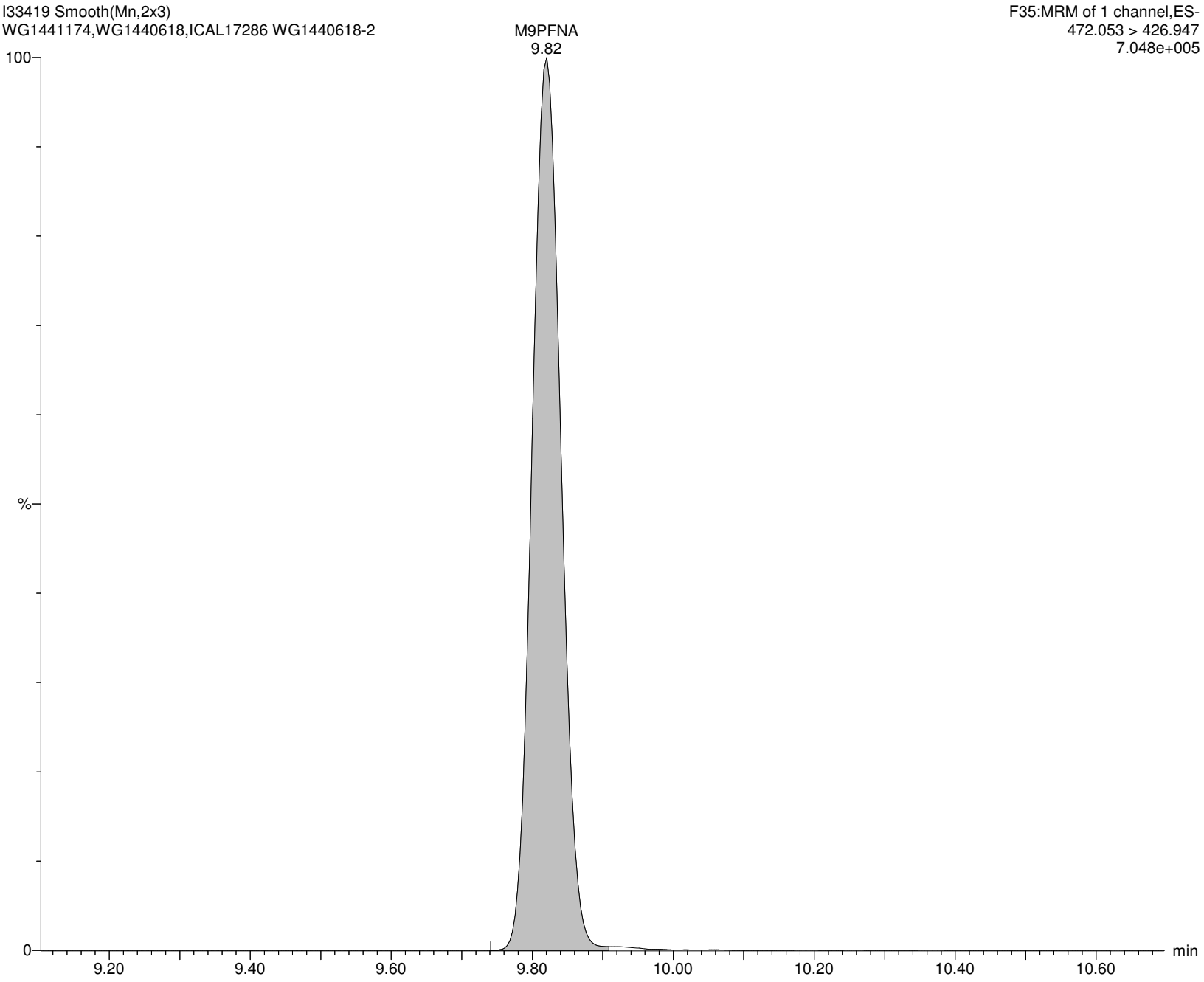
M9PFNA



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
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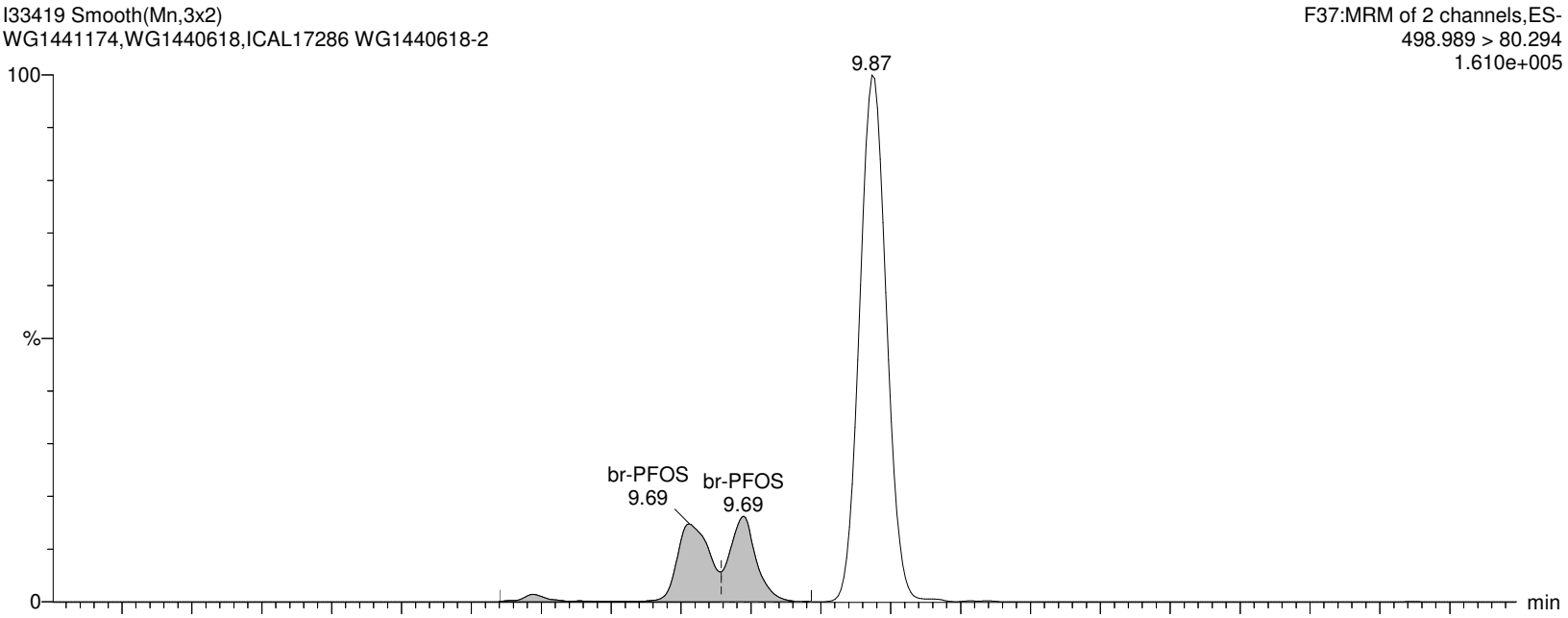
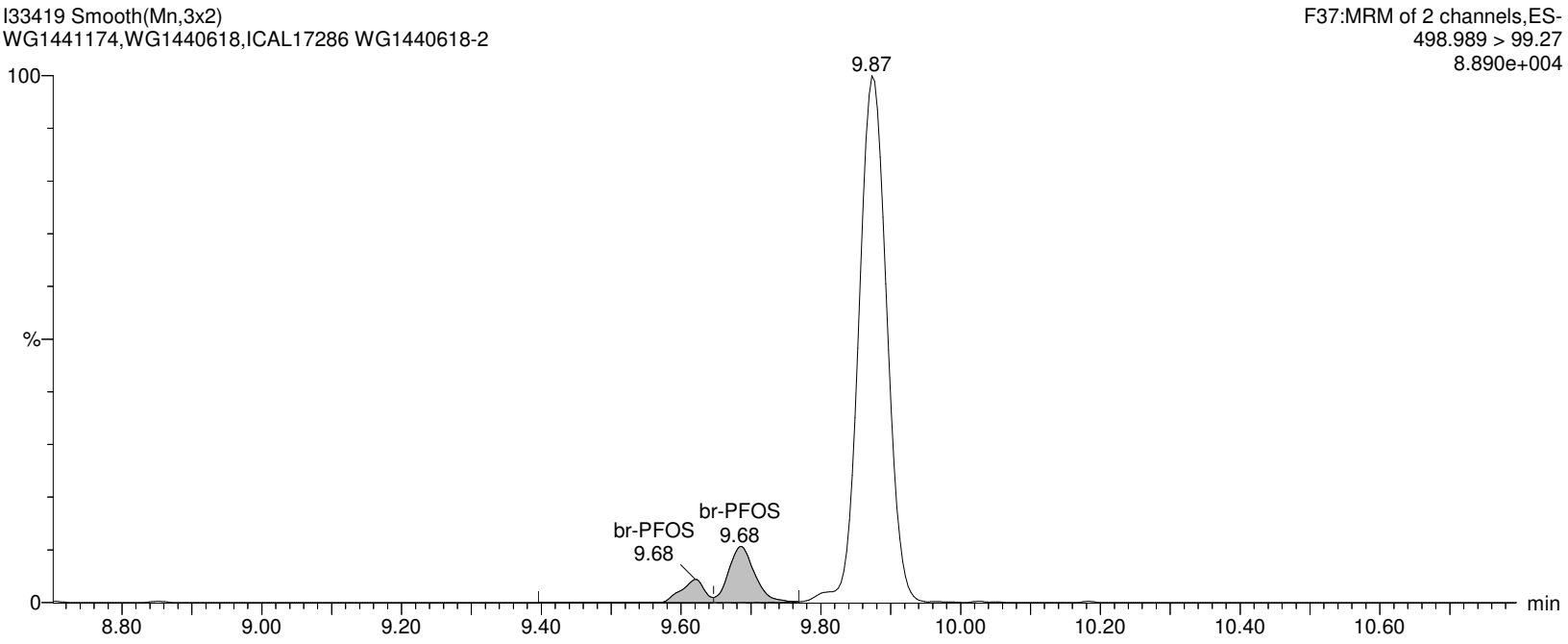
br-PFOS





all concentration units in (ng/mL)

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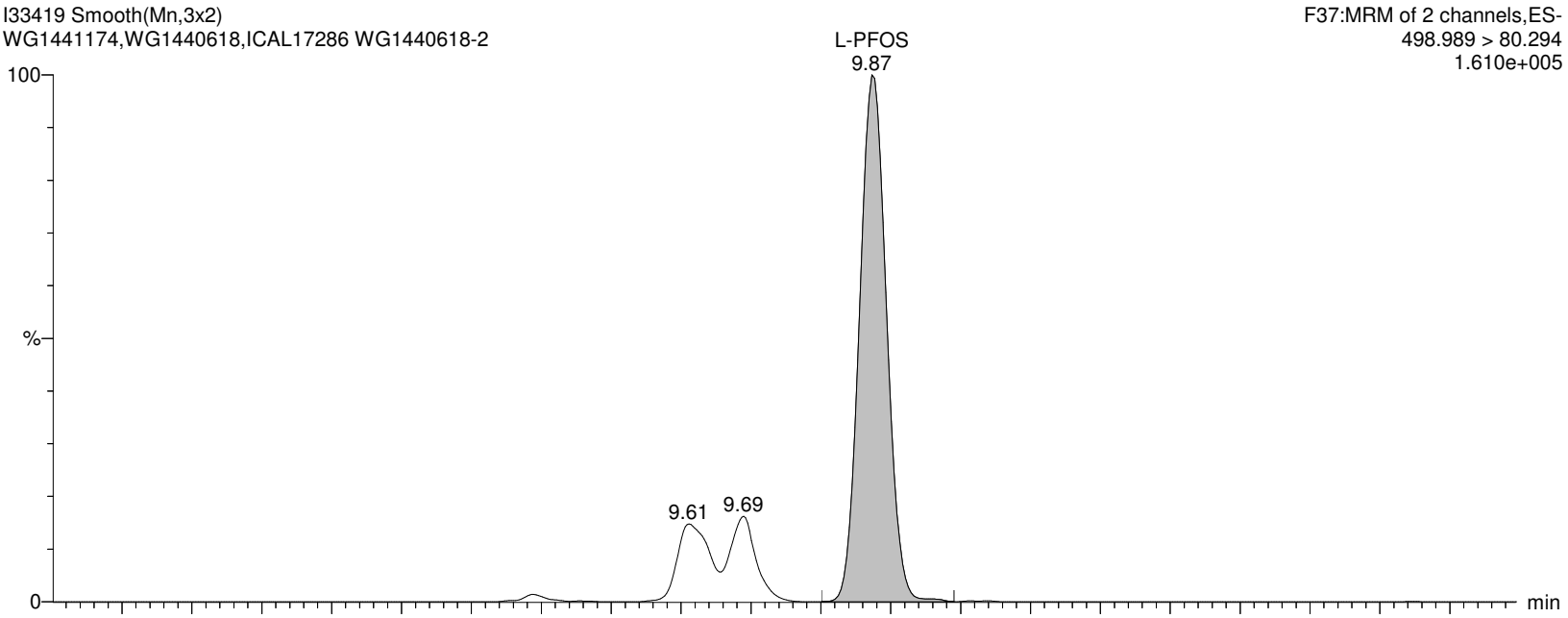
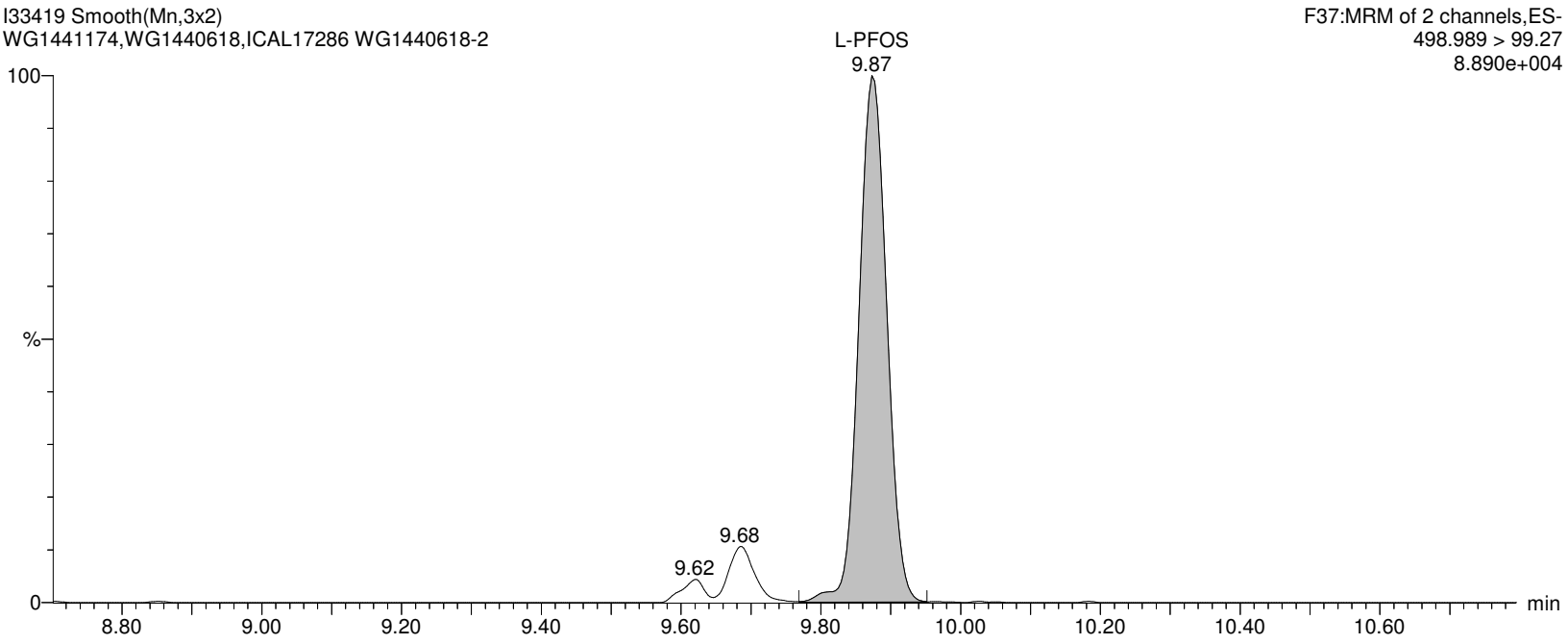
L-PFOS





all concentration units in (ng/mL)

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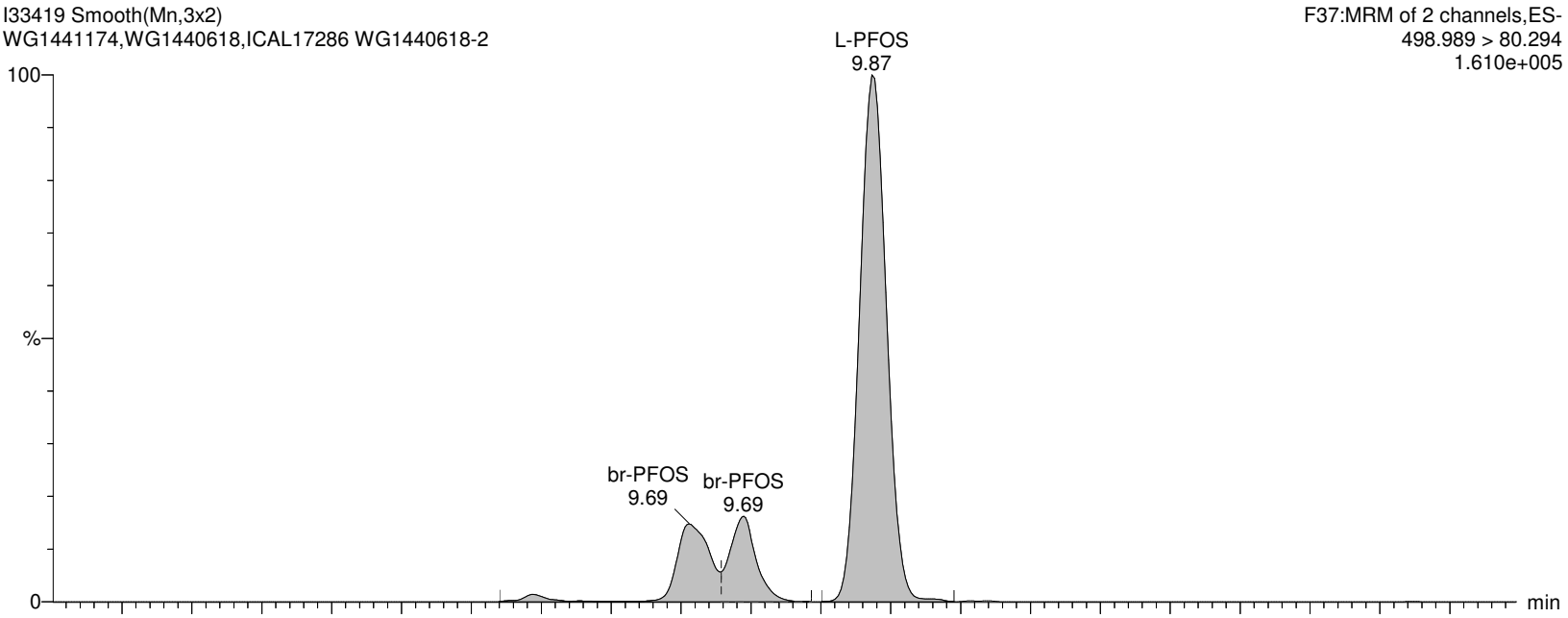
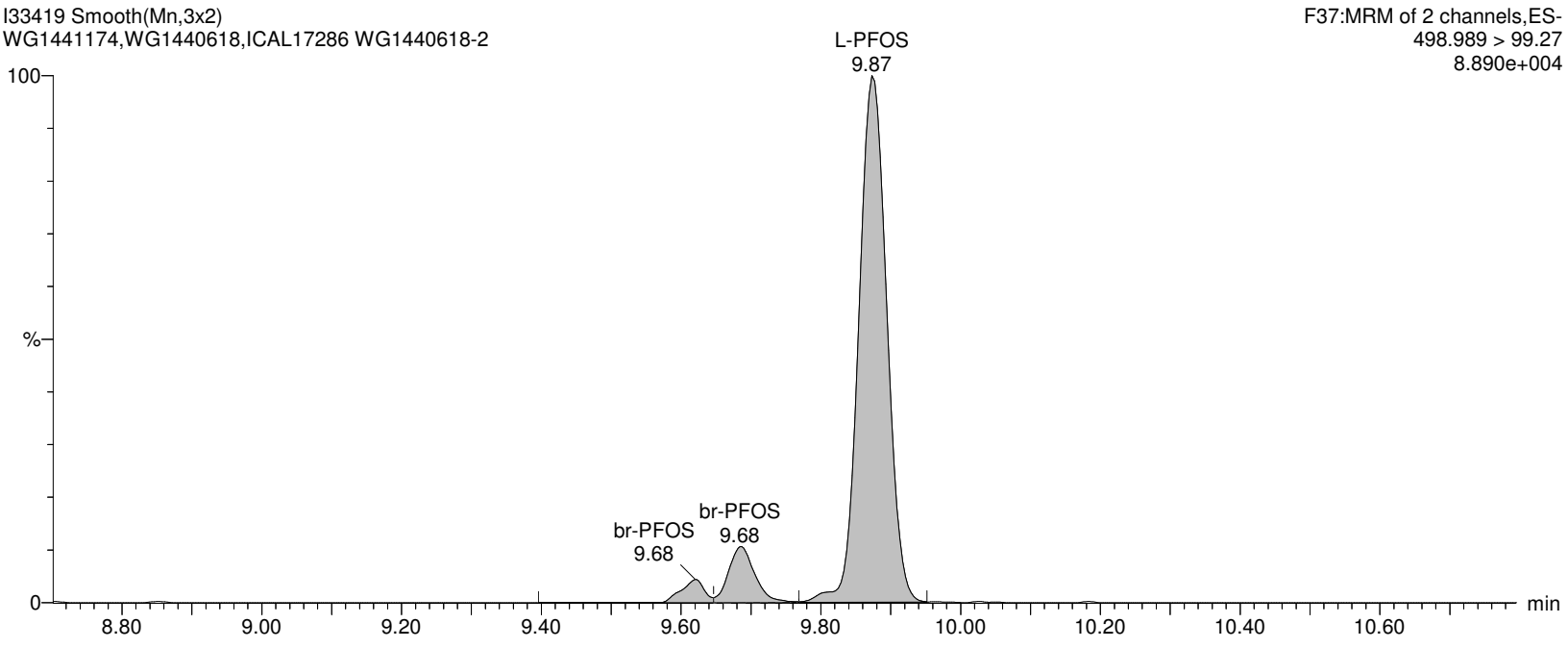
PFOS





all concentration units in (ng/mL)

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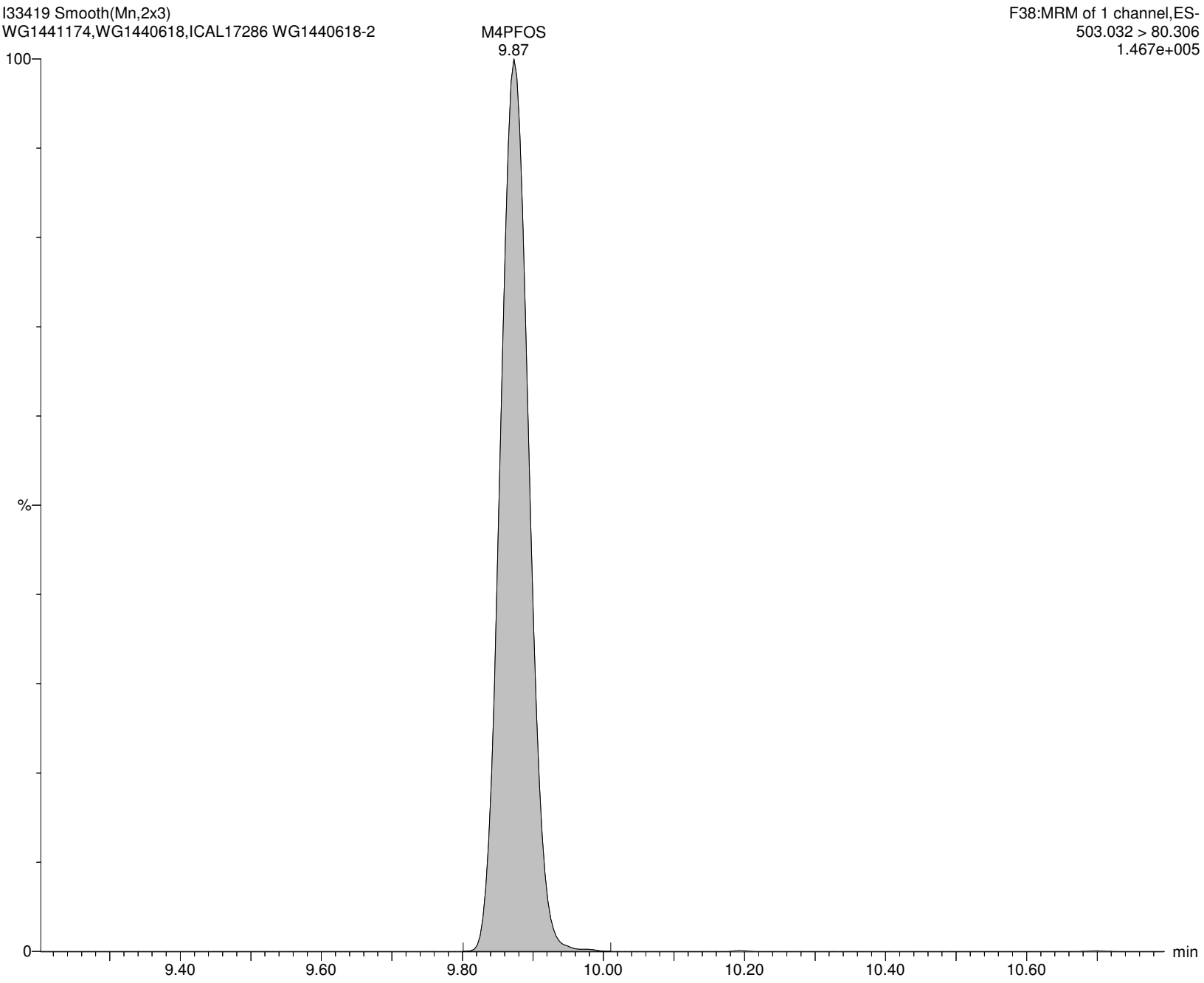

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
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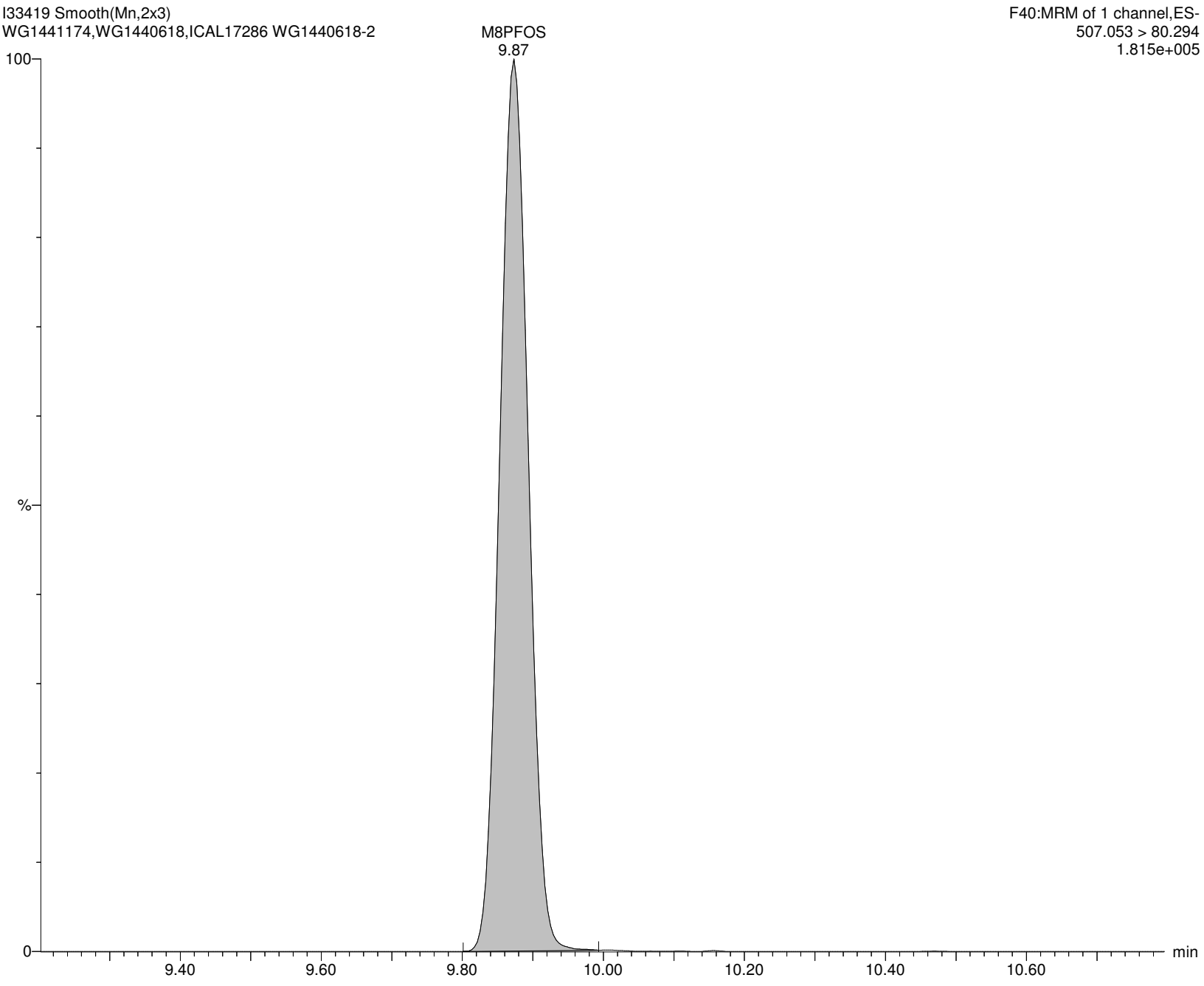

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
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Date: 04-Dec-2020
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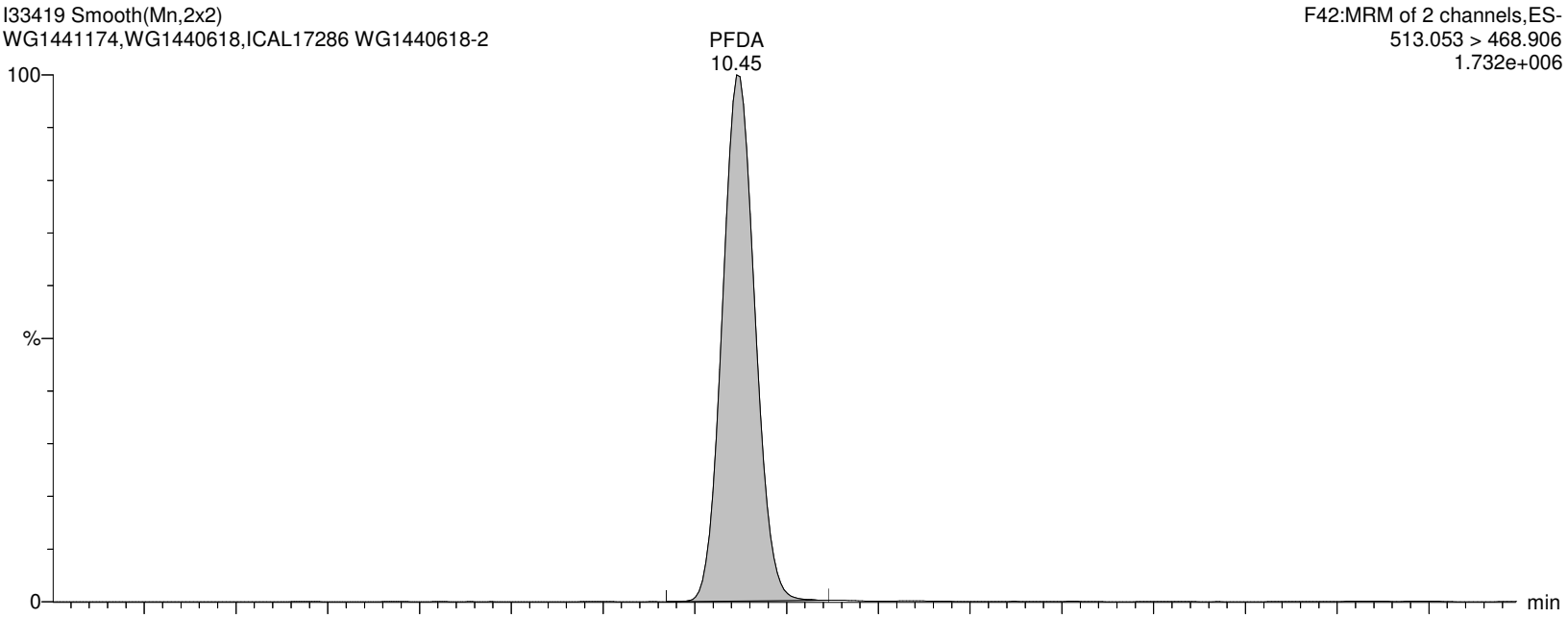

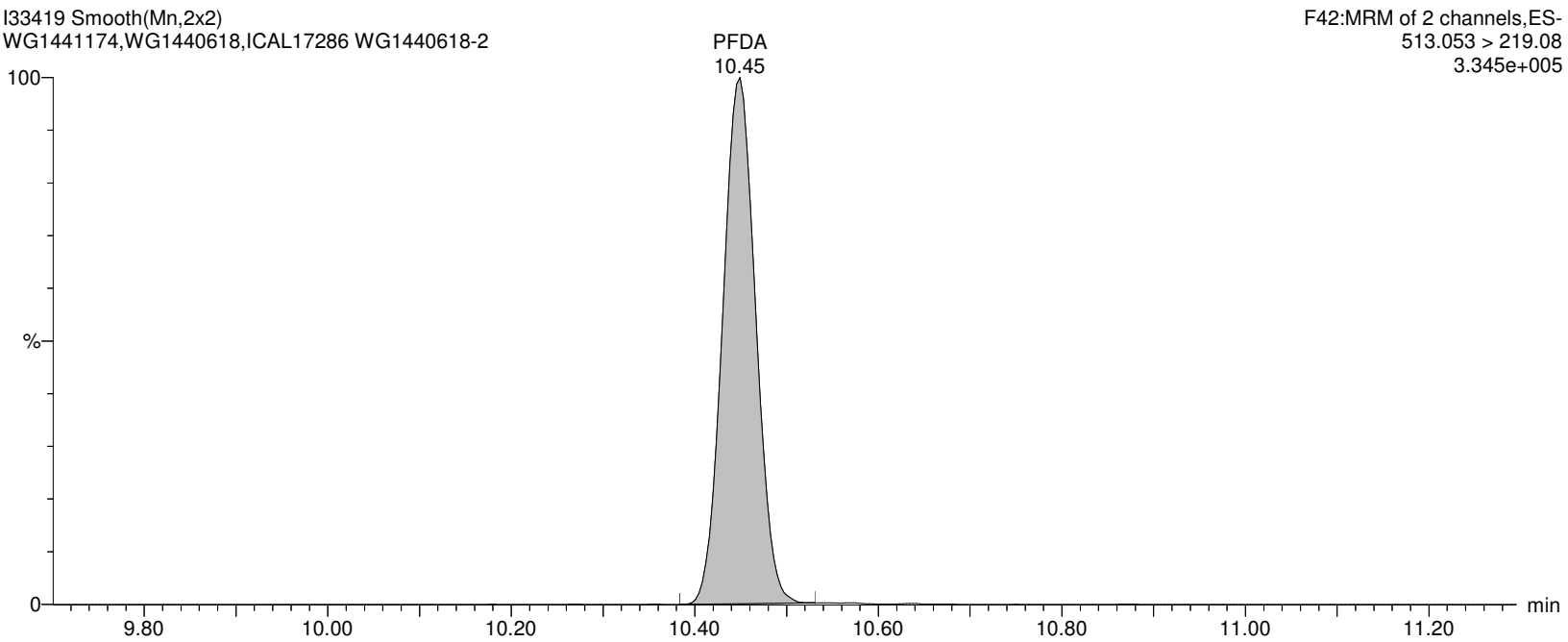

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
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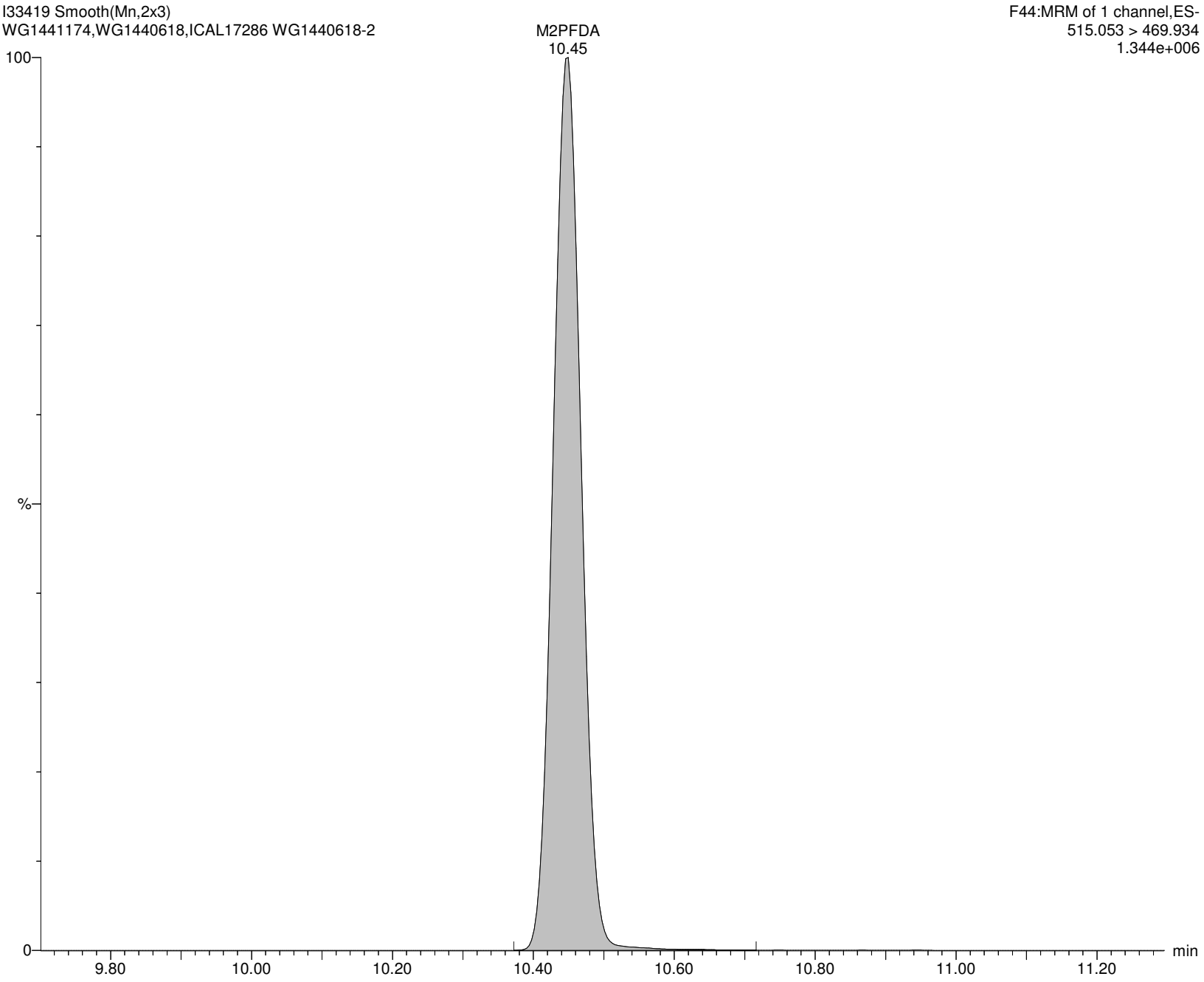

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
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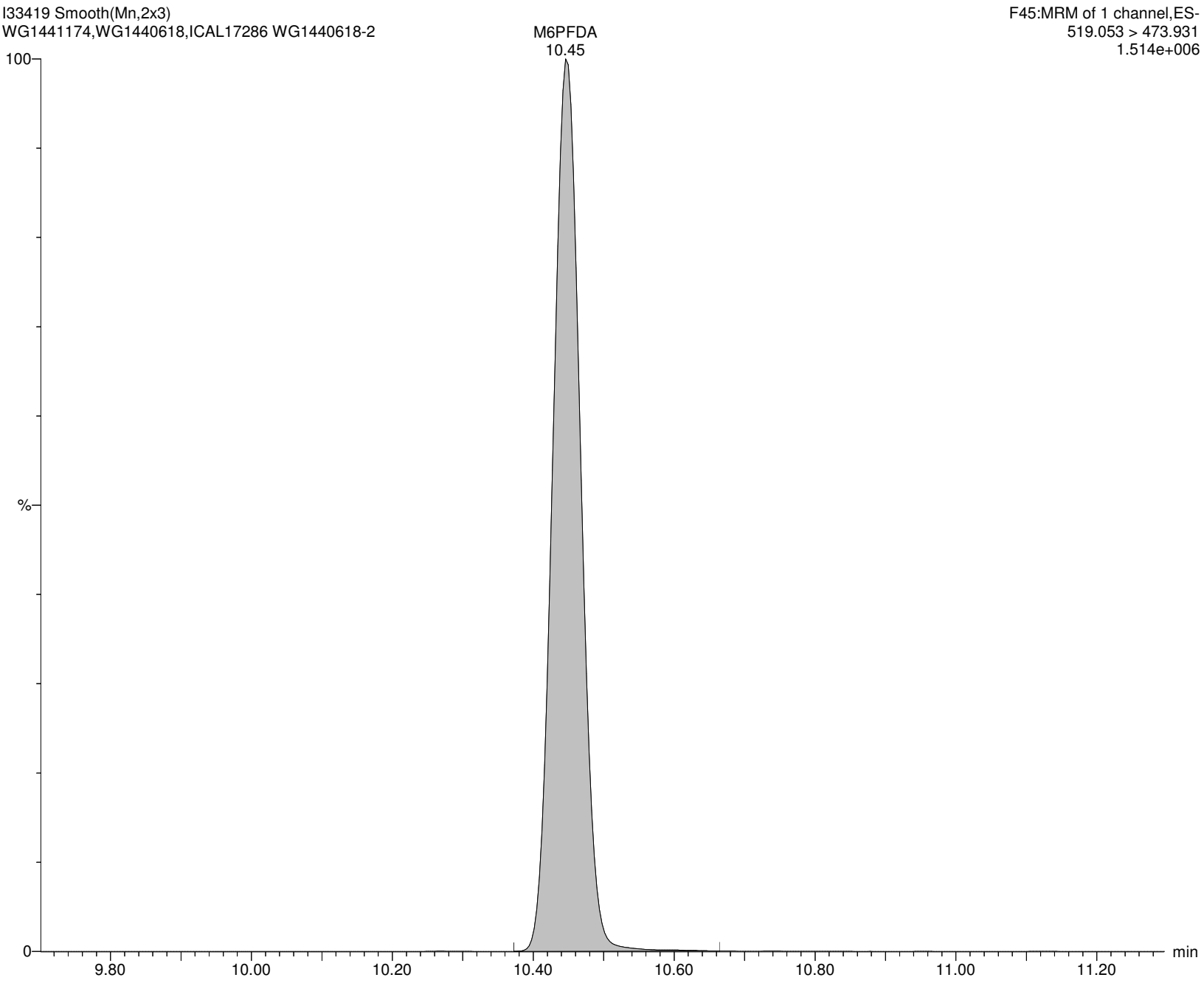
M6PFDA



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
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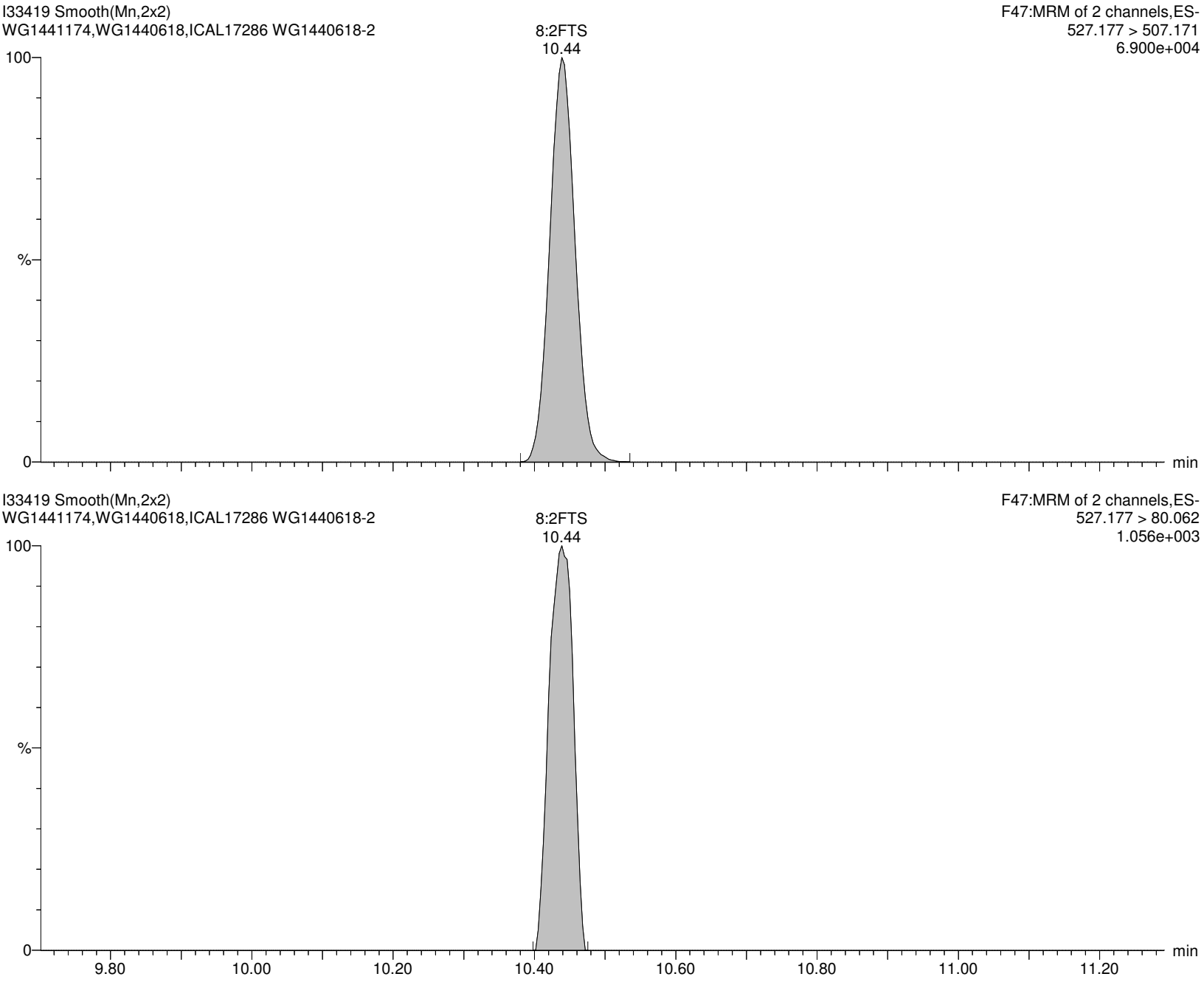
8:2FTS



all concentration units in (ng/mL)

Alpha Analytical Inc.
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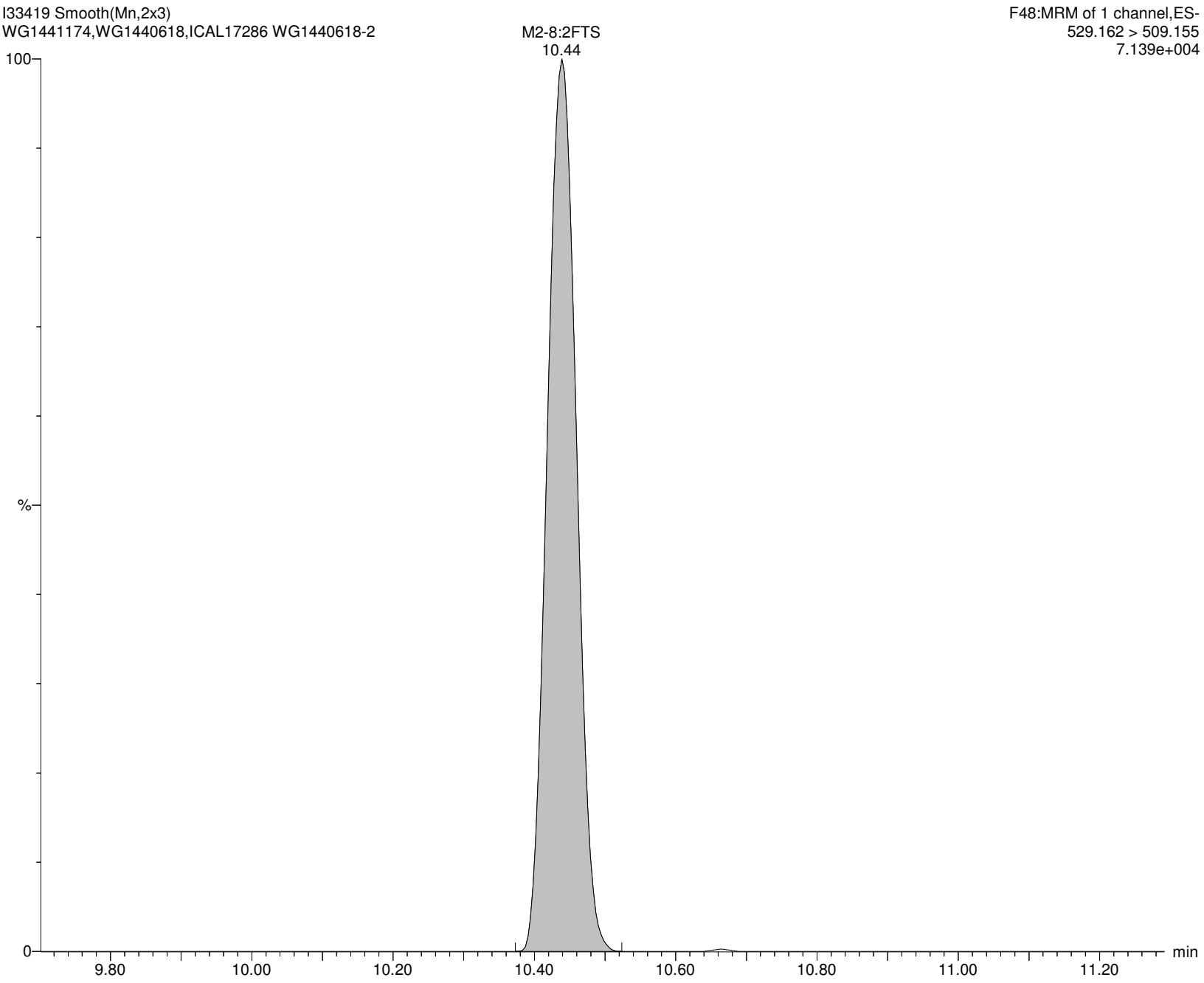
M2-8:2FTS



all concentration units in (ng/mL)

Alpha Analytical Inc.
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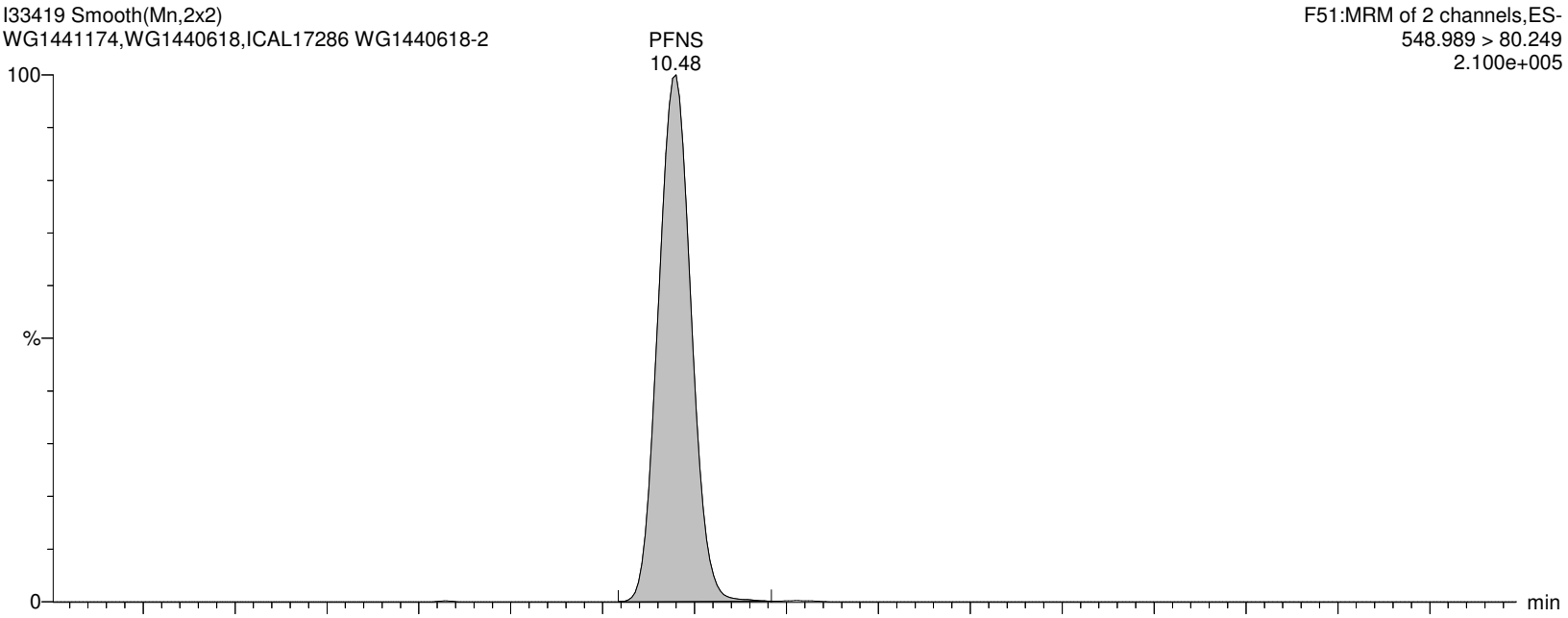
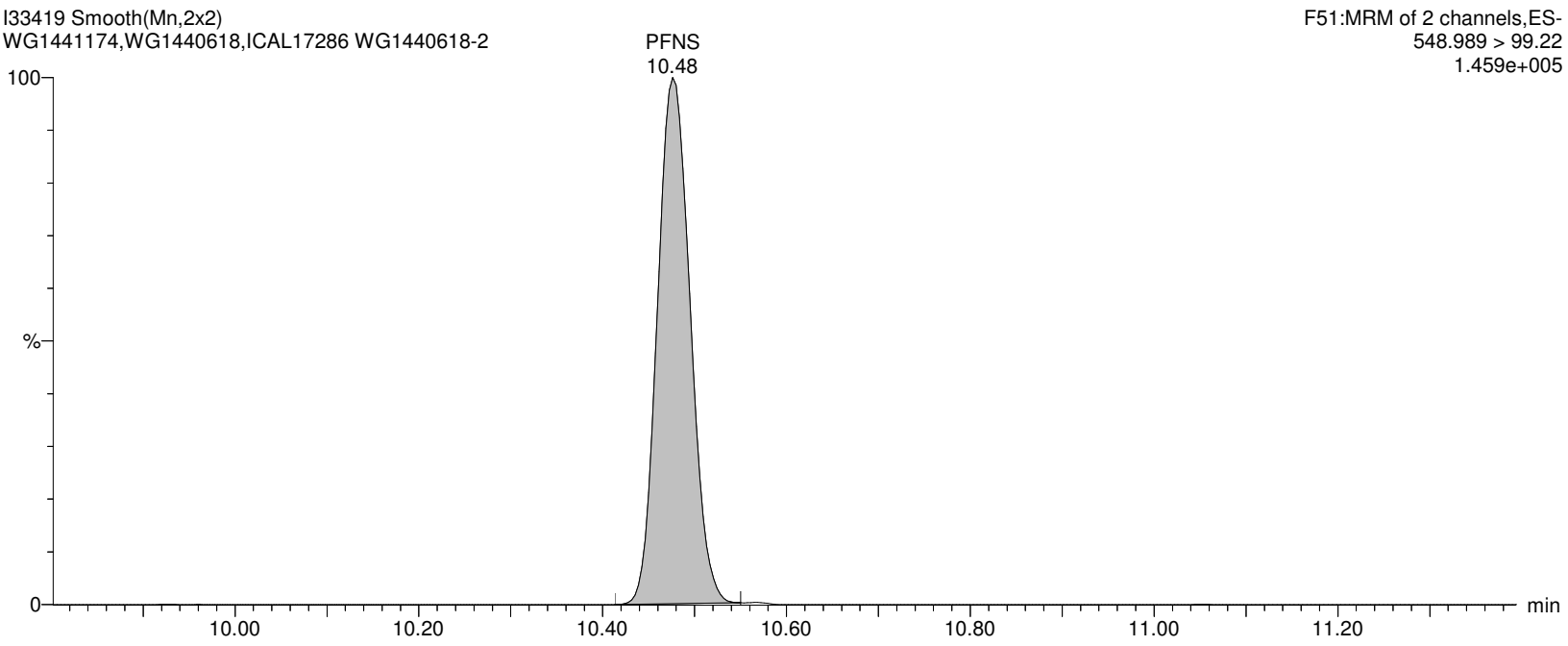
PFNS





all concentration units in (ng/mL)

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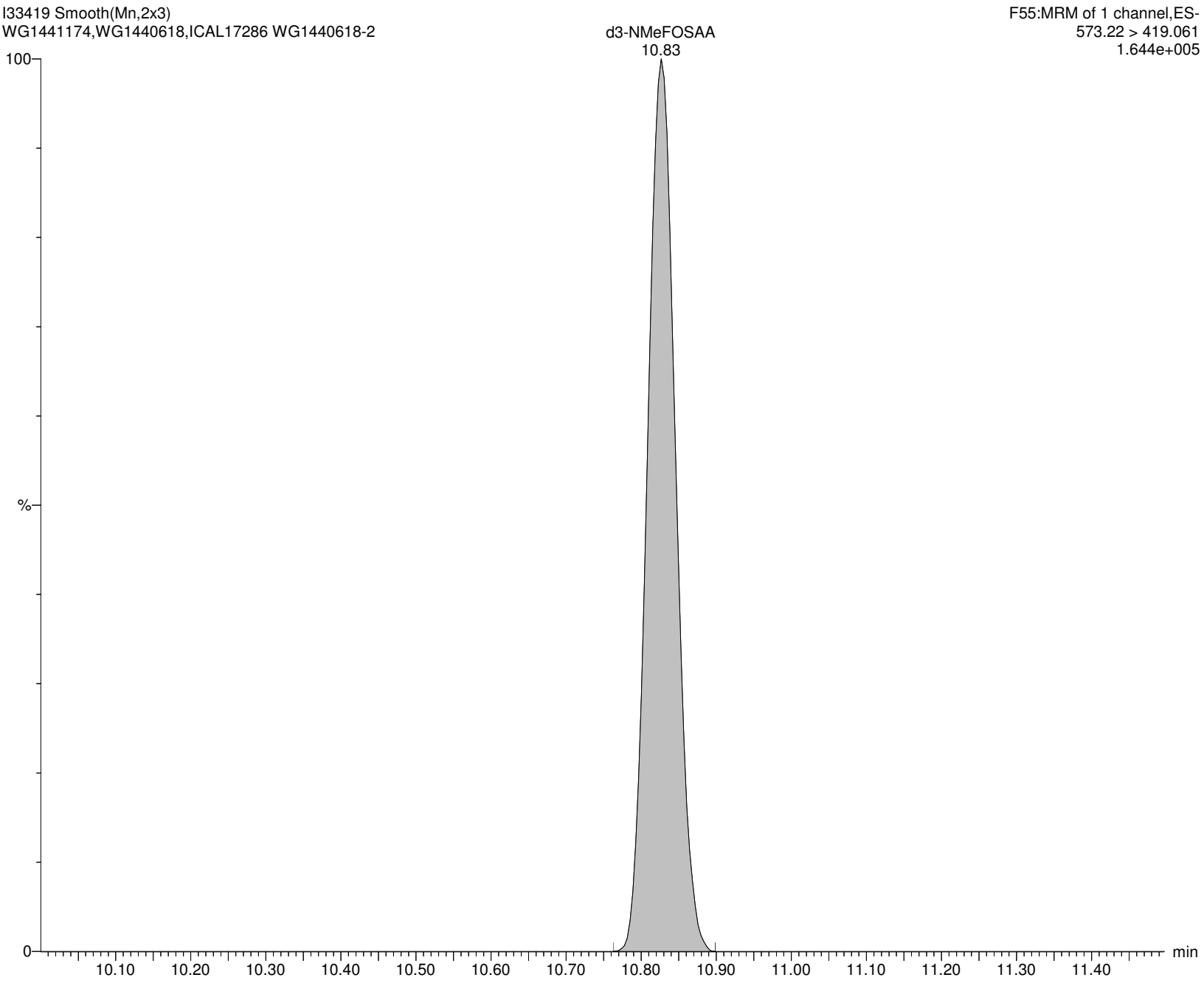
d3-NMeFOSAA



all concentration units in (ng/mL)

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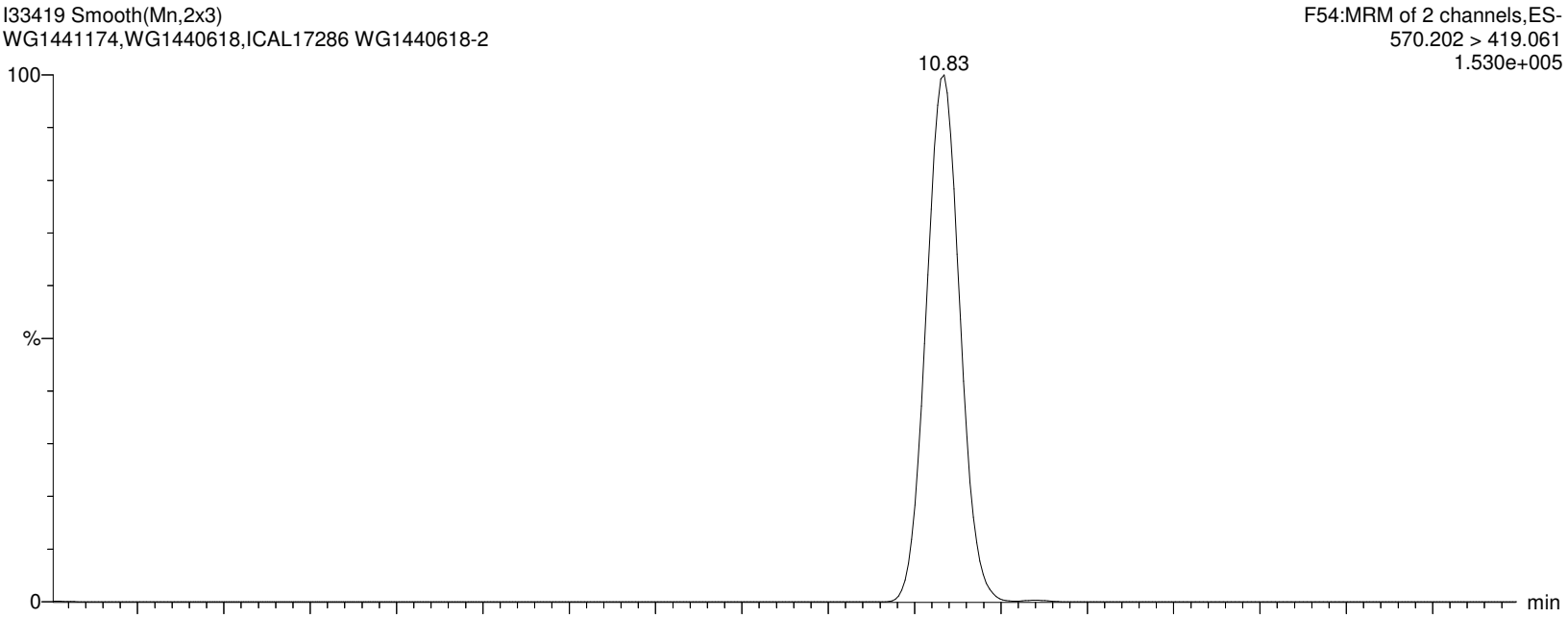
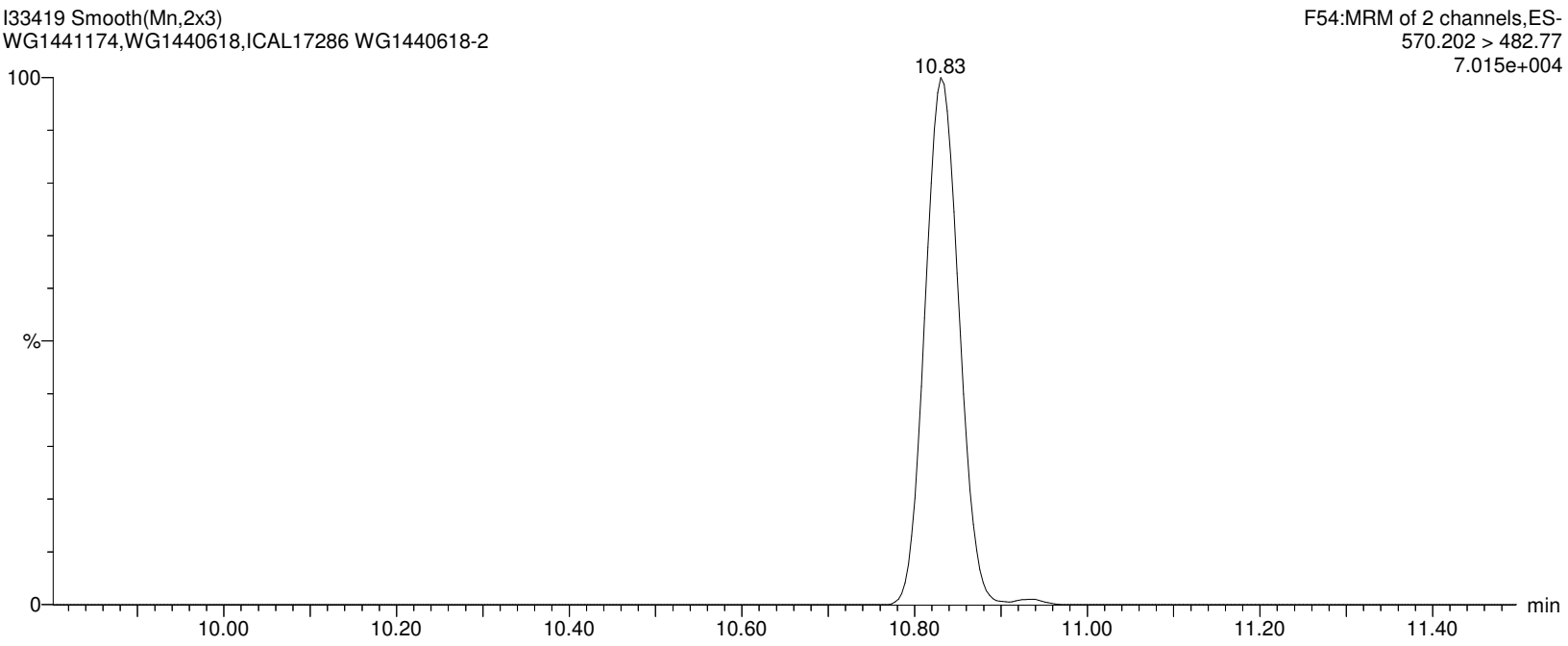
br-NMeFOSAA





all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
Last Altered: Sunday, December 06, 2020 22:56:32 Eastern Standard Time
Printed: Sunday, December 06, 2020 22:59:37 Eastern Standard Time

Name: I33419
ID: WG1440618-2
Date: 04-Dec-2020
Time: 16:45:31
Description: WG1441174,WG1440618,ICAL17286
User: LCMS02:JW
Vial: 1:D,1
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
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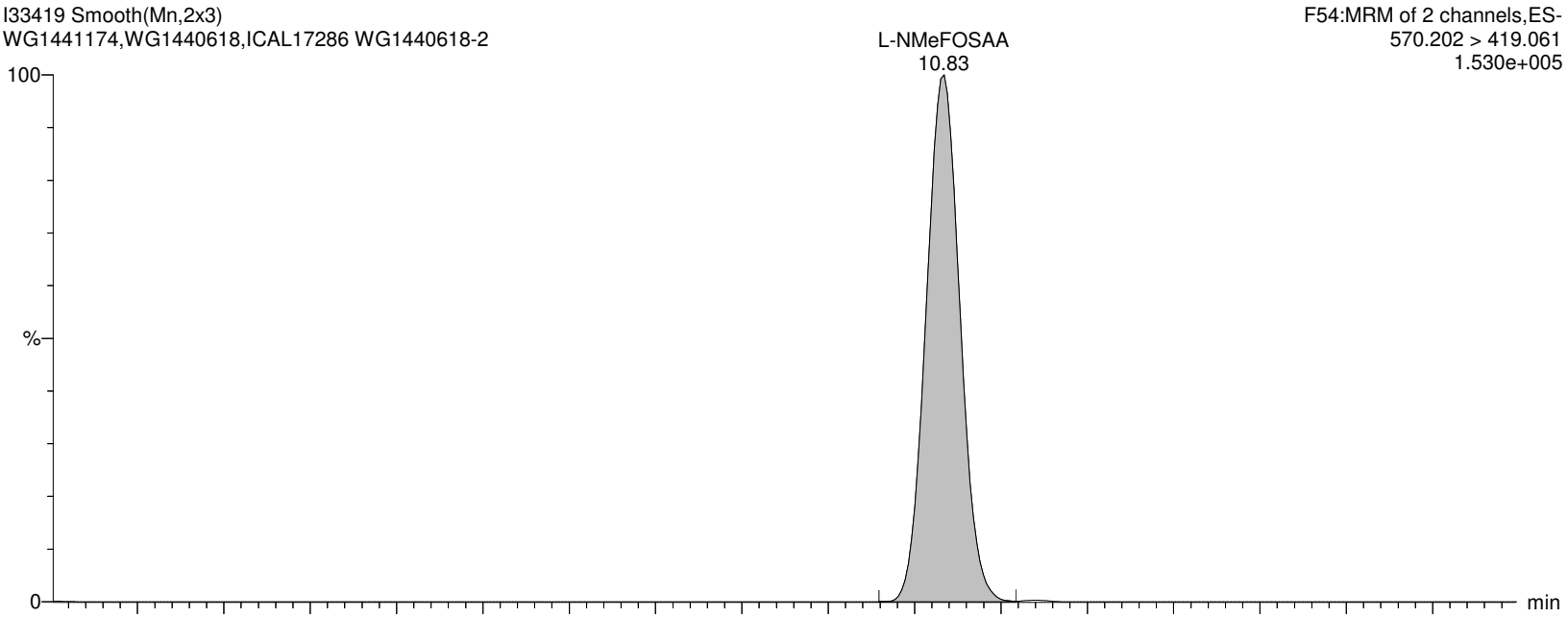

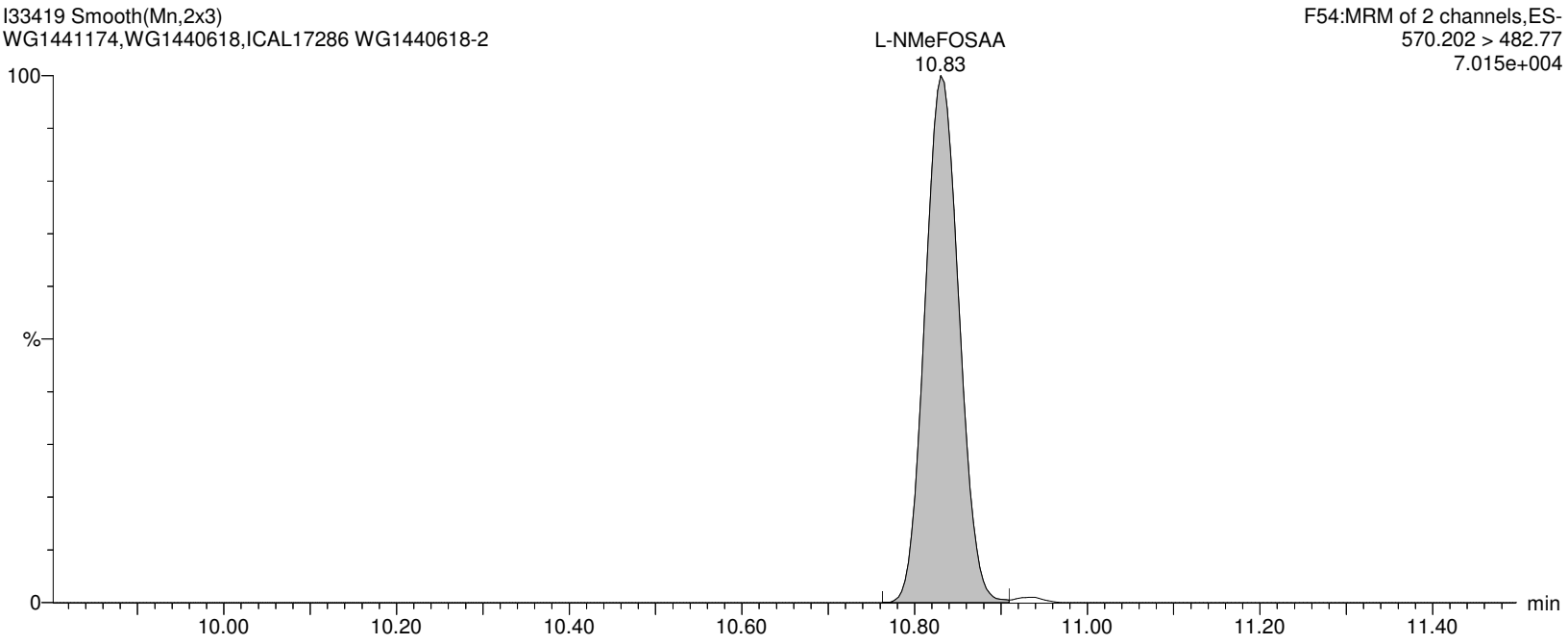

all concentration units in (ng/mL)

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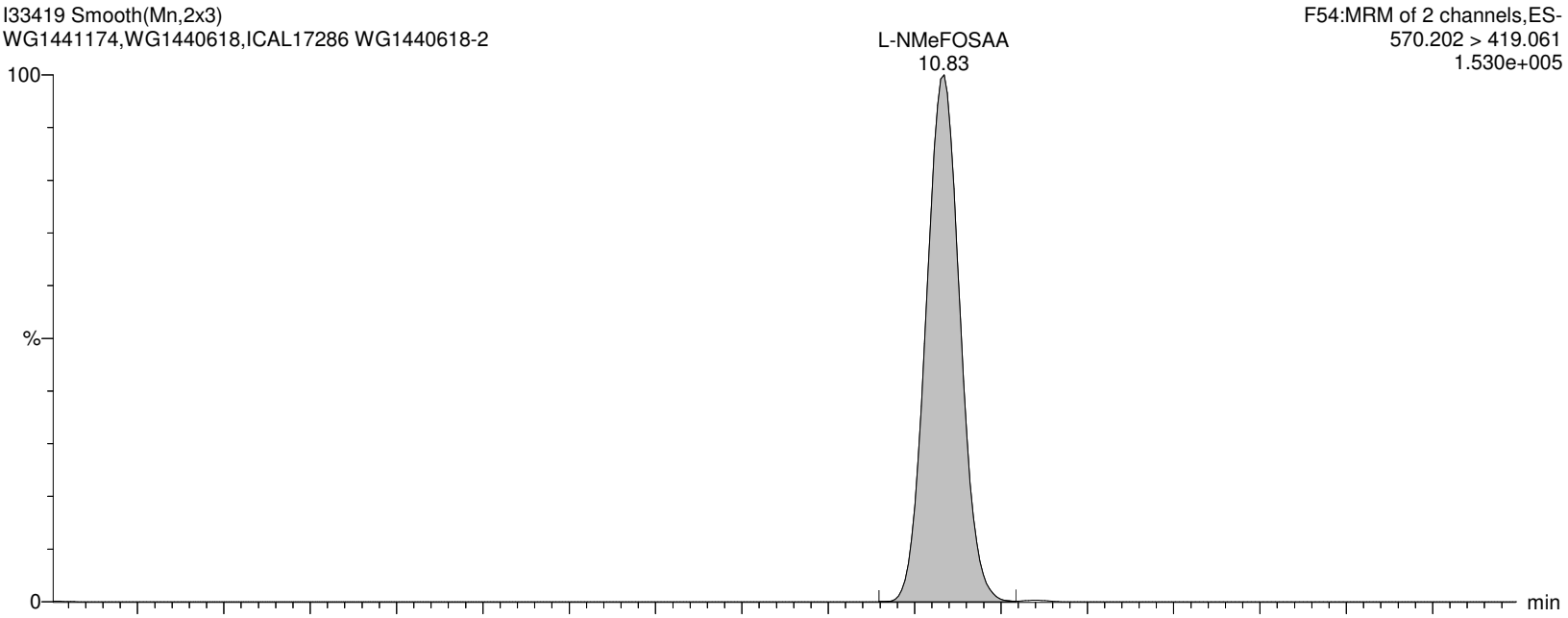

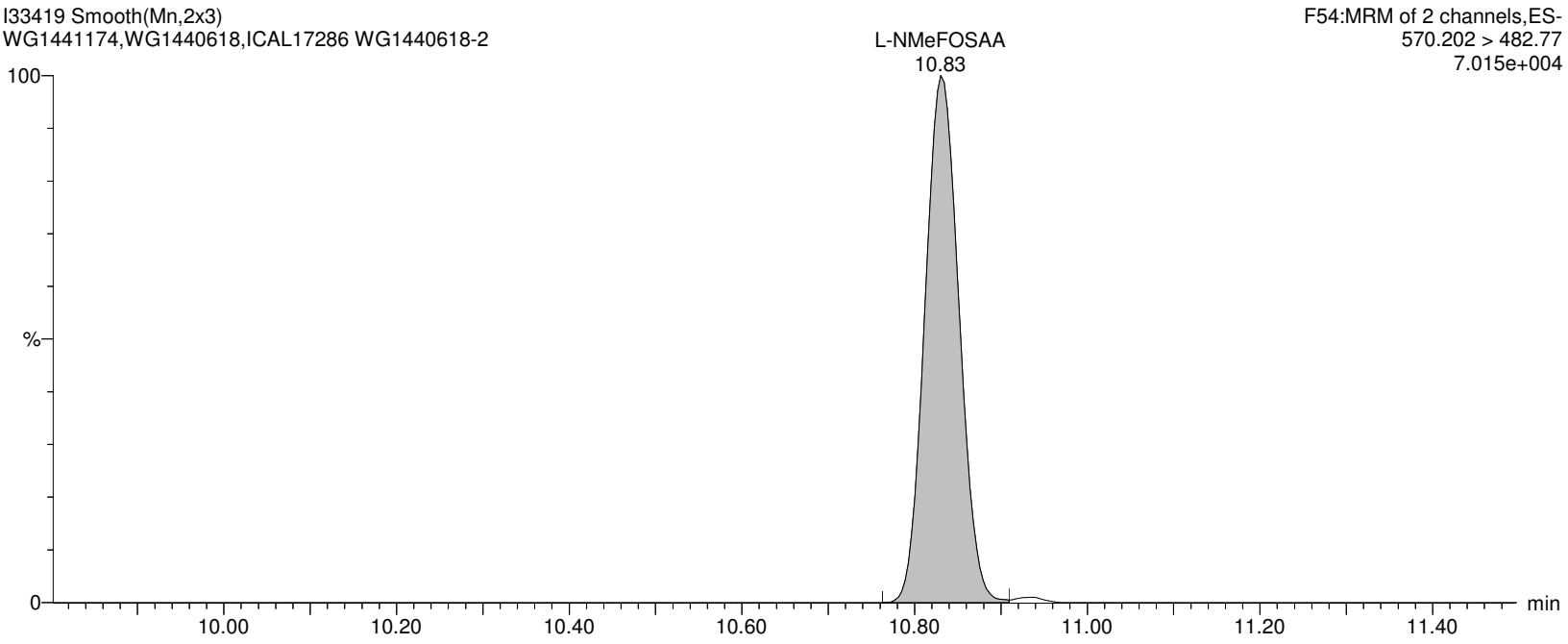

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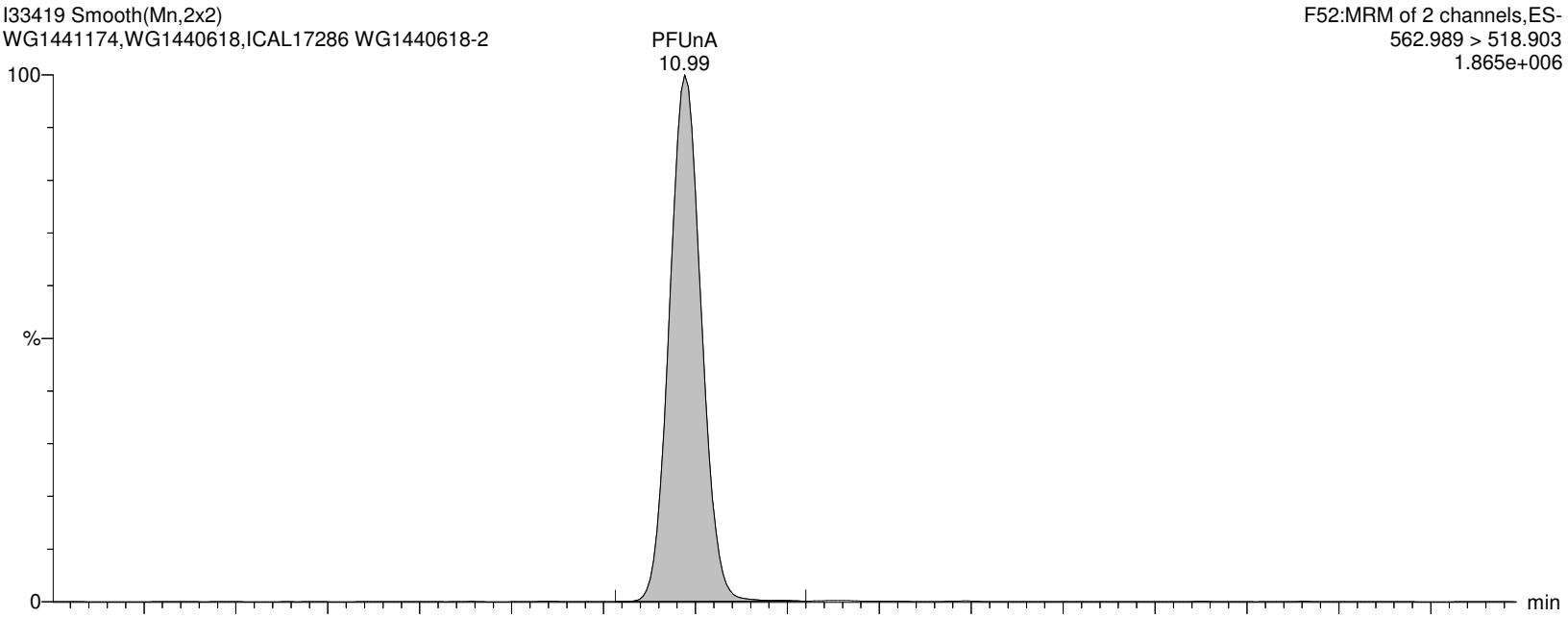

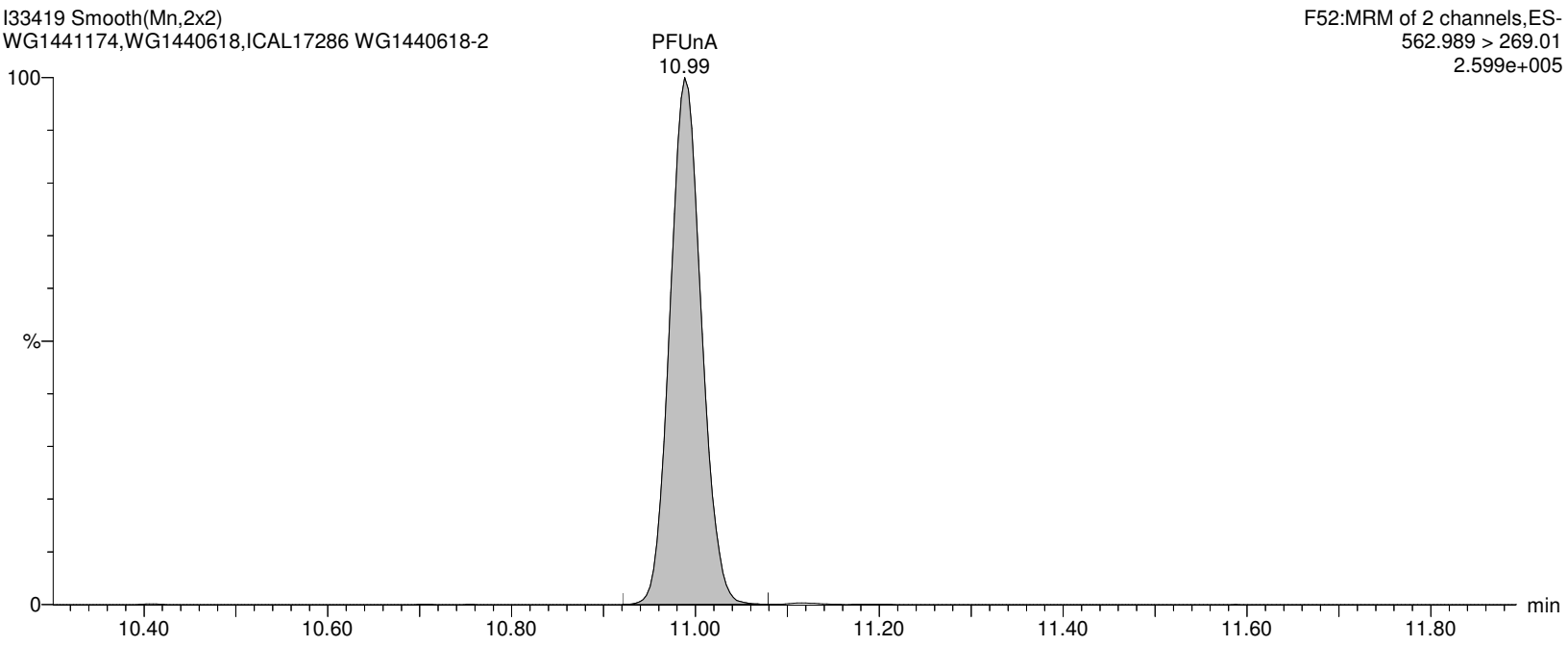

all concentration units in (ng/mL)

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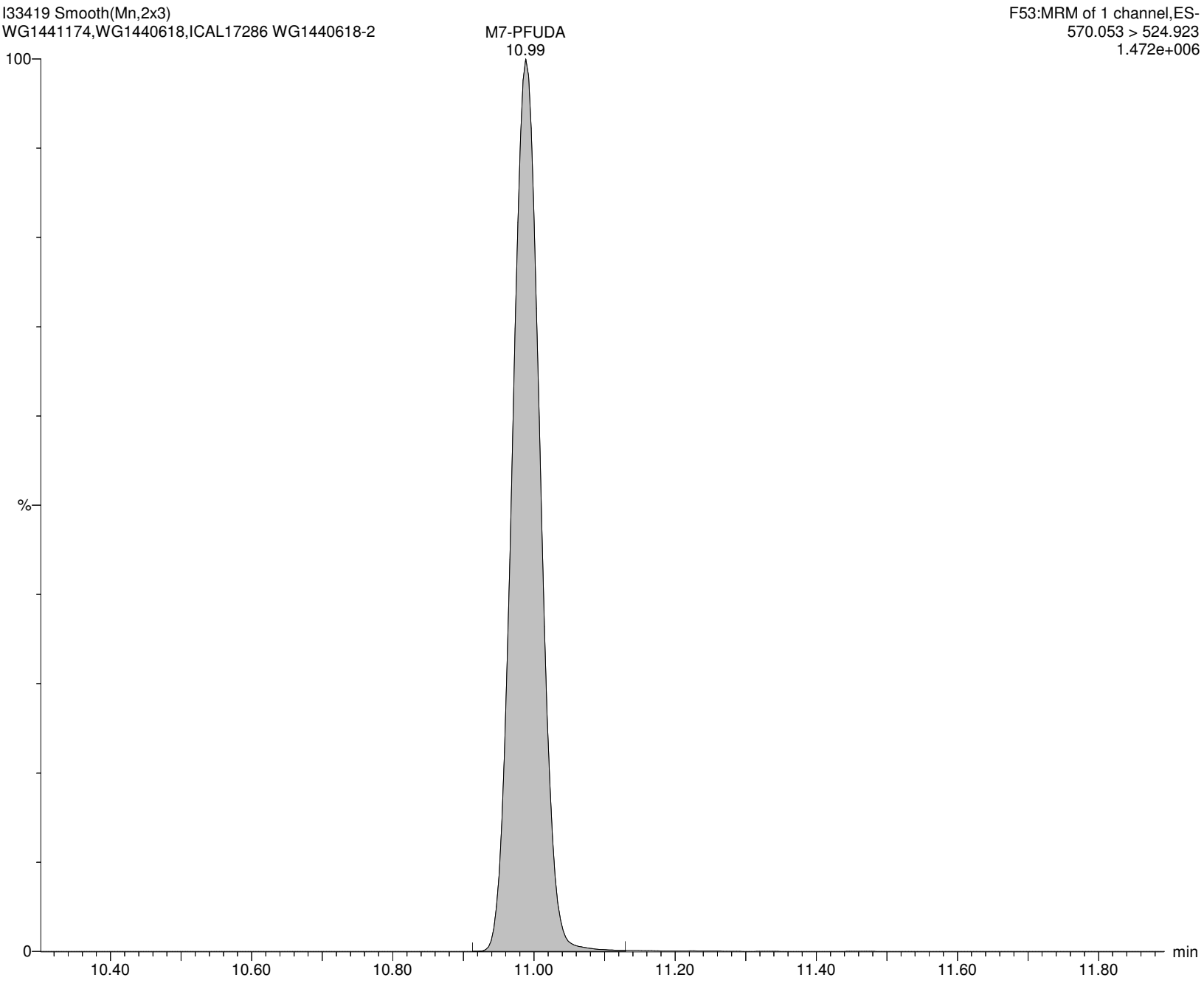
M7-PFUDA



all concentration units in (ng/mL)

Alpha Analytical Inc.
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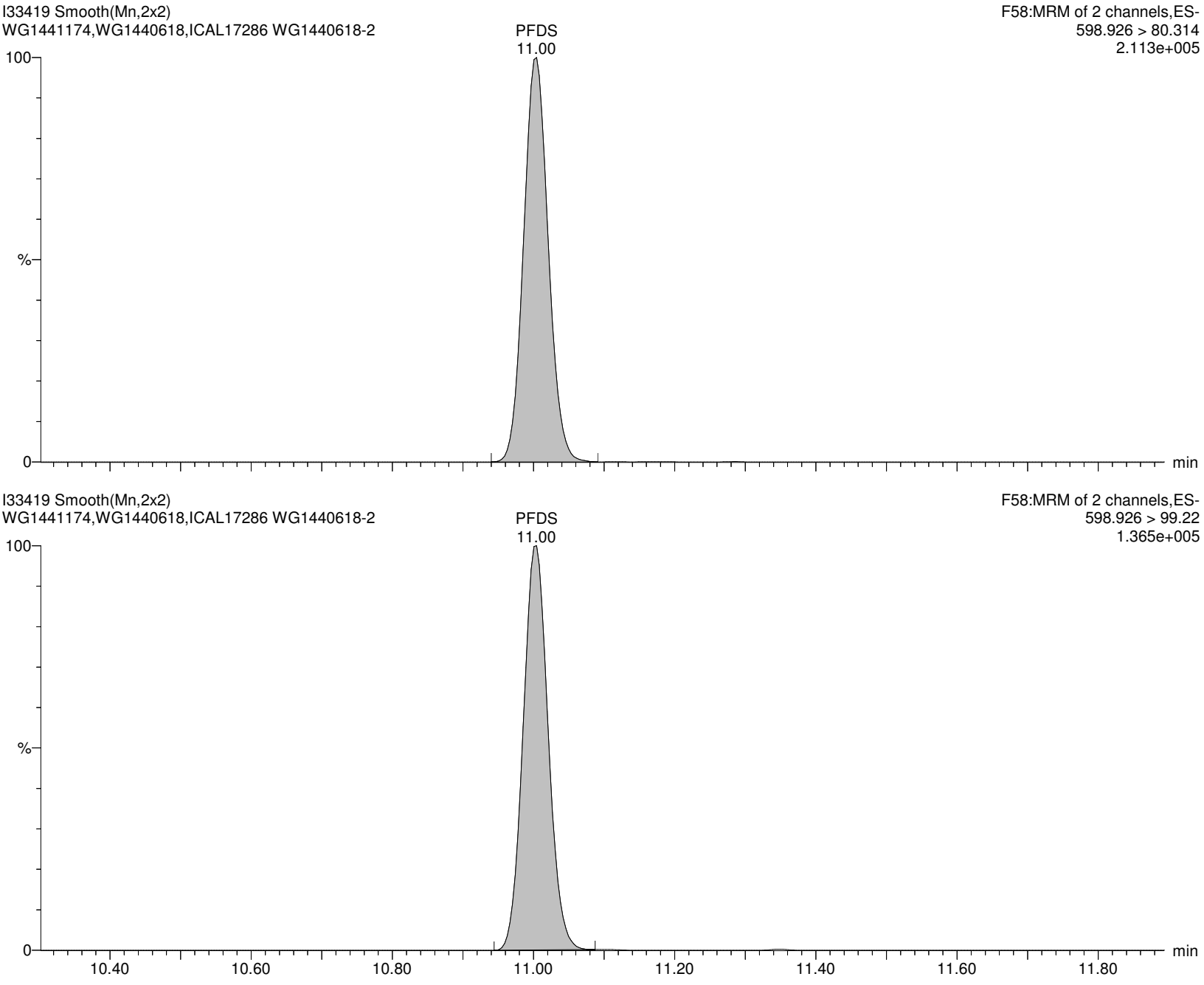
PFDS



all concentration units in (ng/mL)

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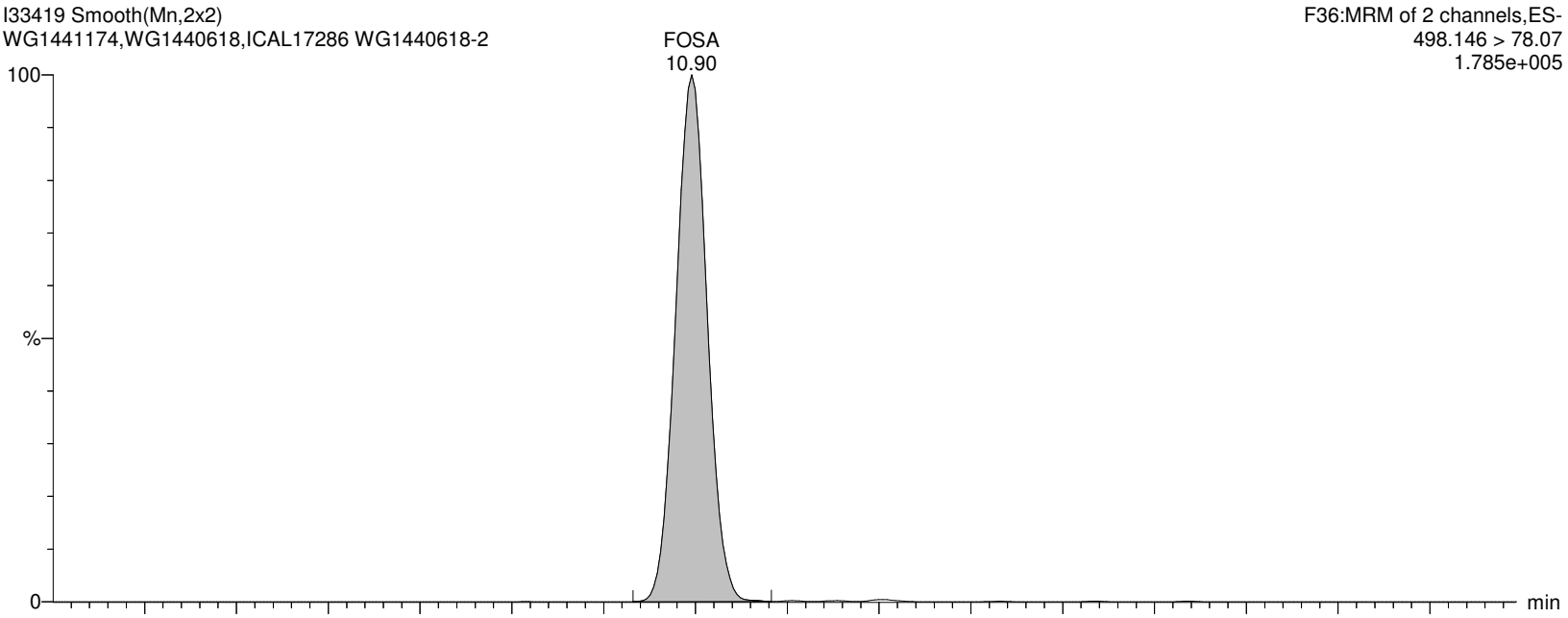

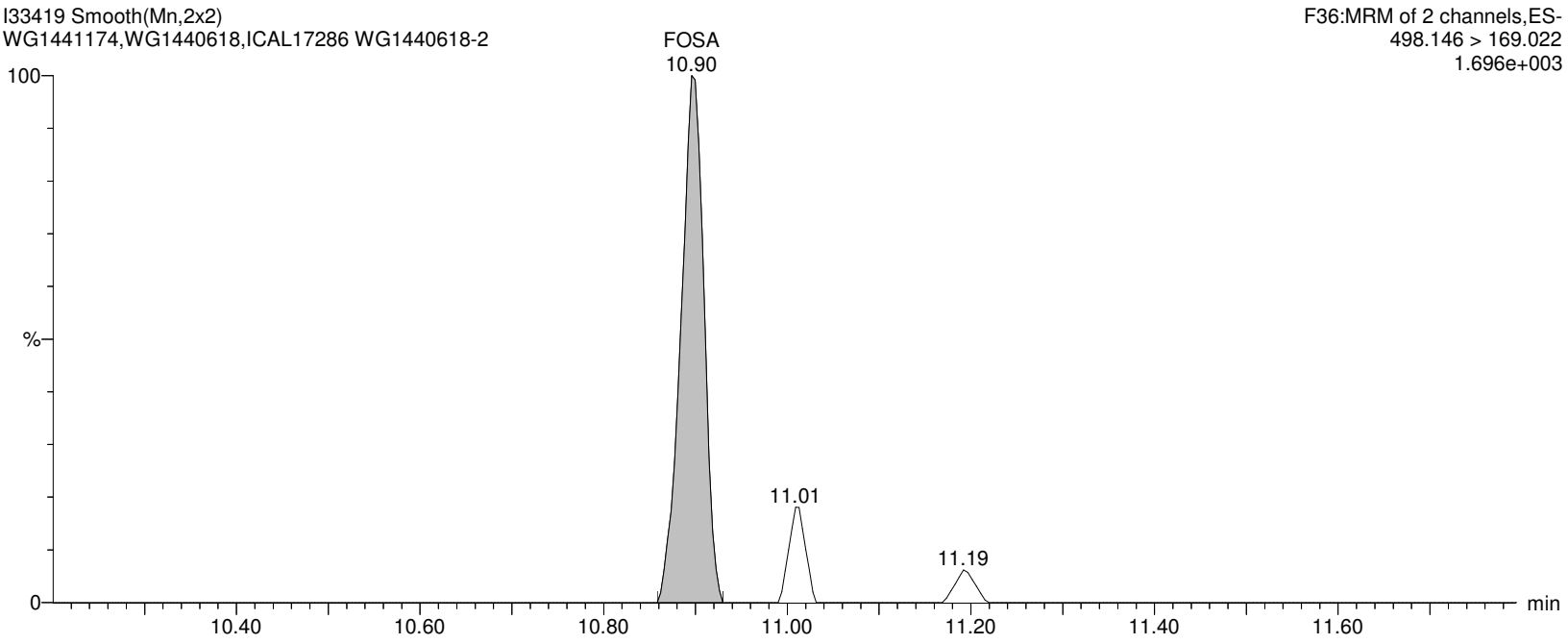

all concentration units in (ng/mL)

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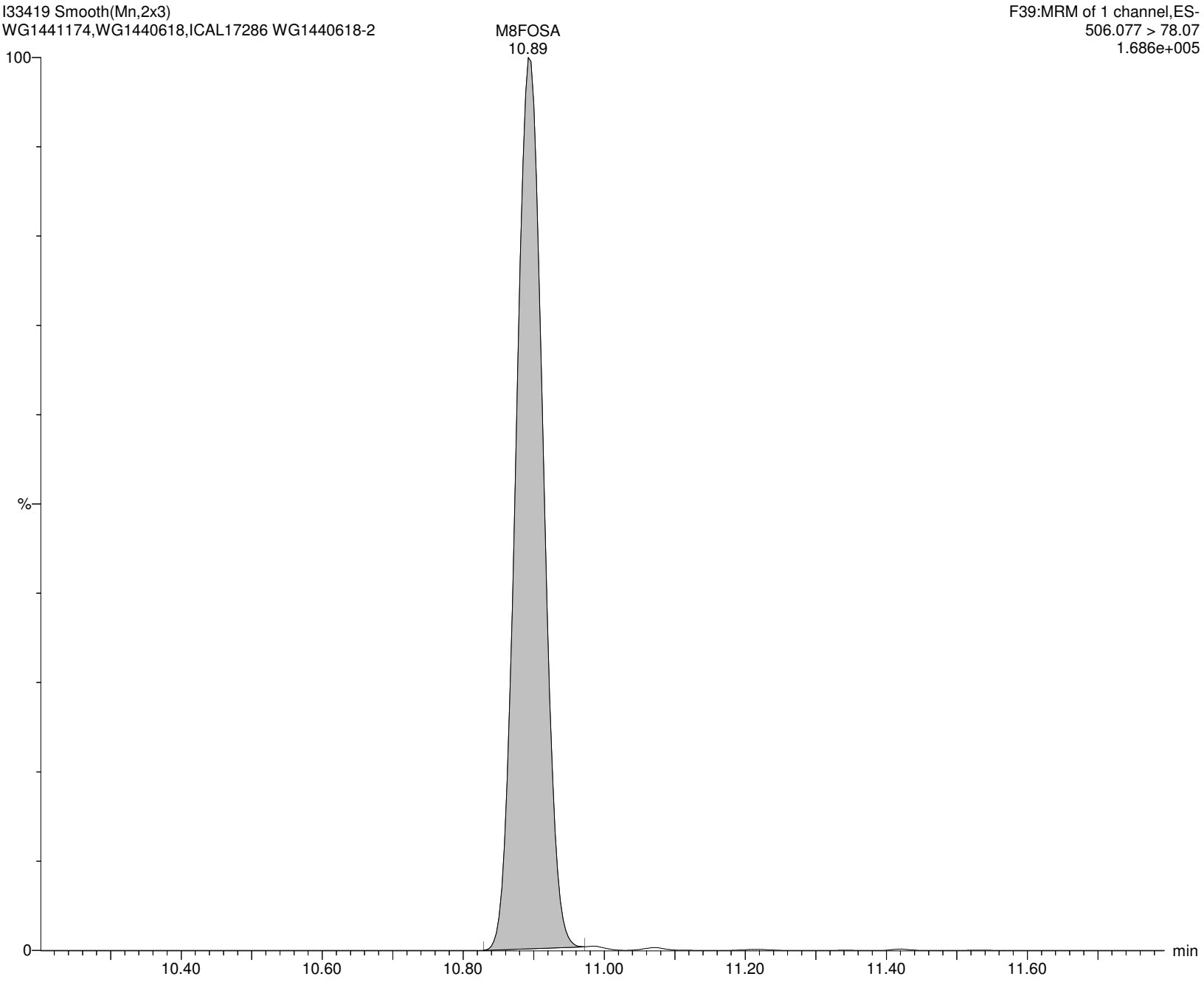

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
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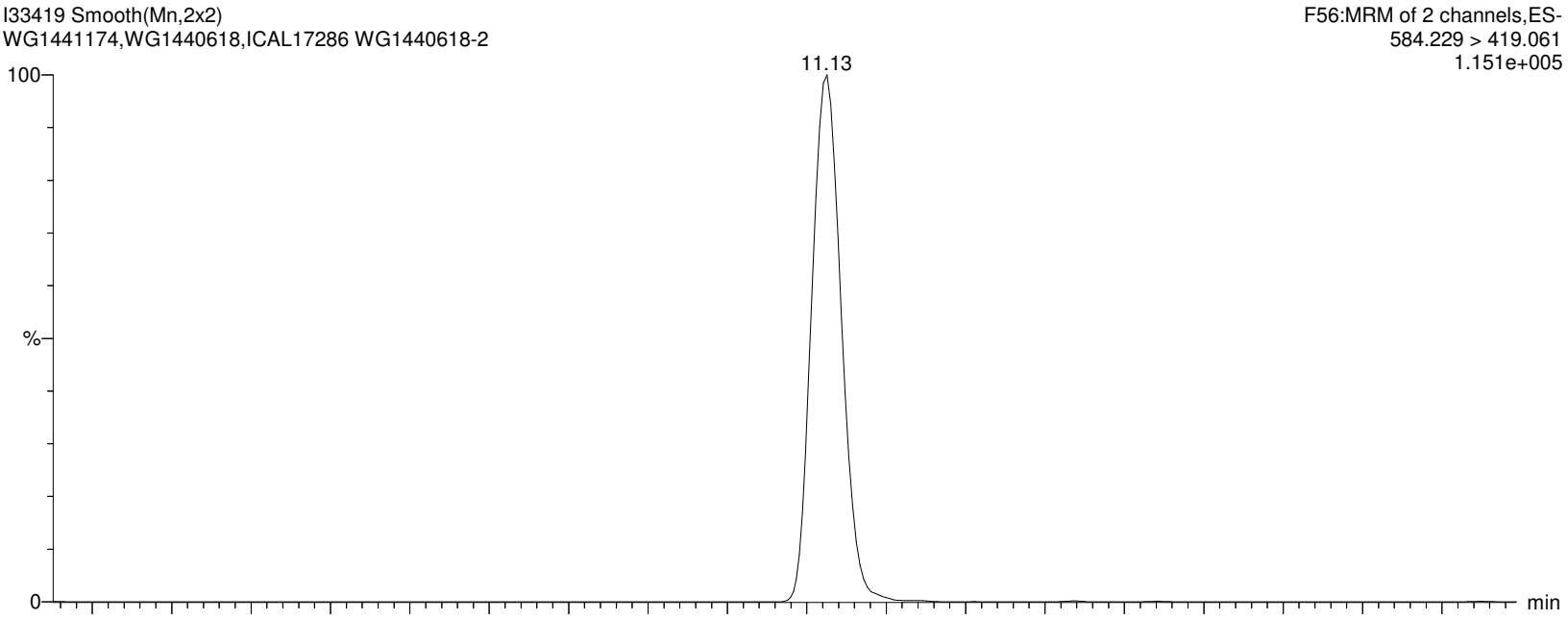

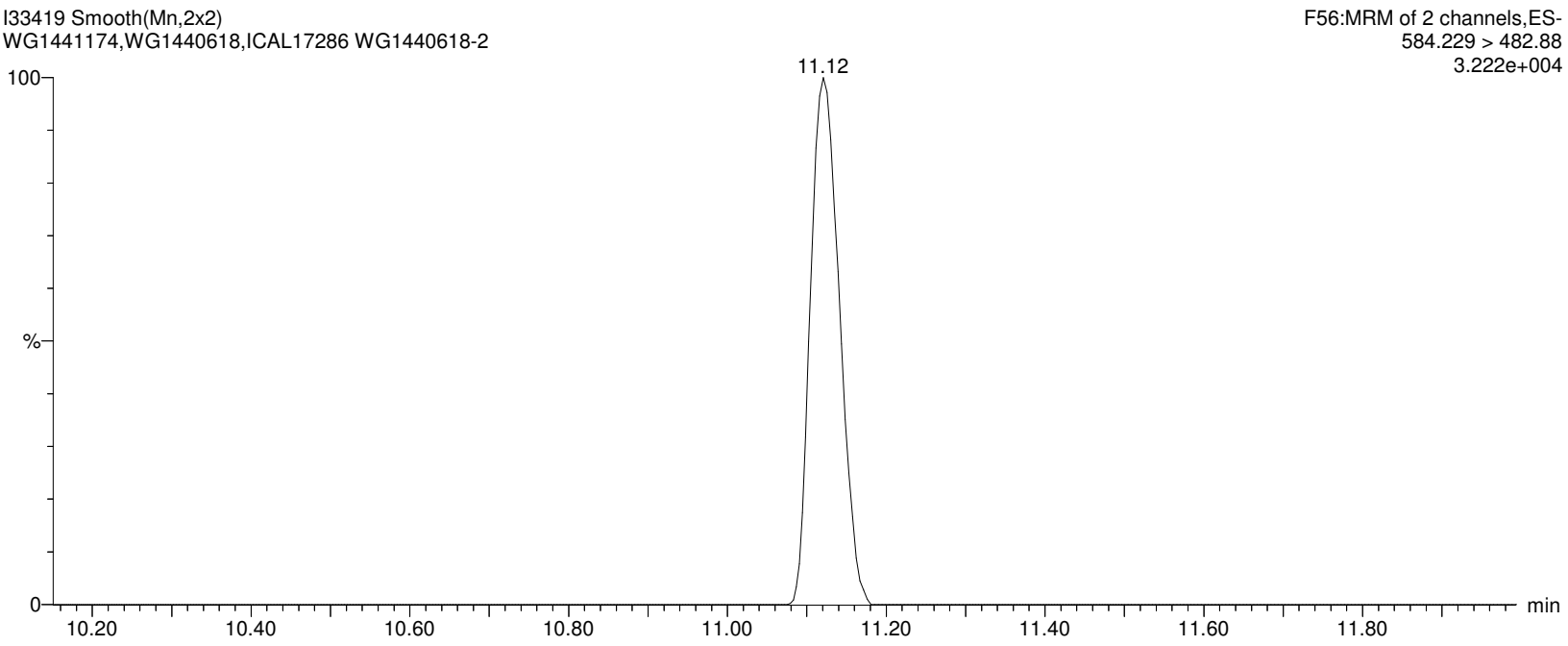

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
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User: LCMS02:JW
Vial: 1:D,1
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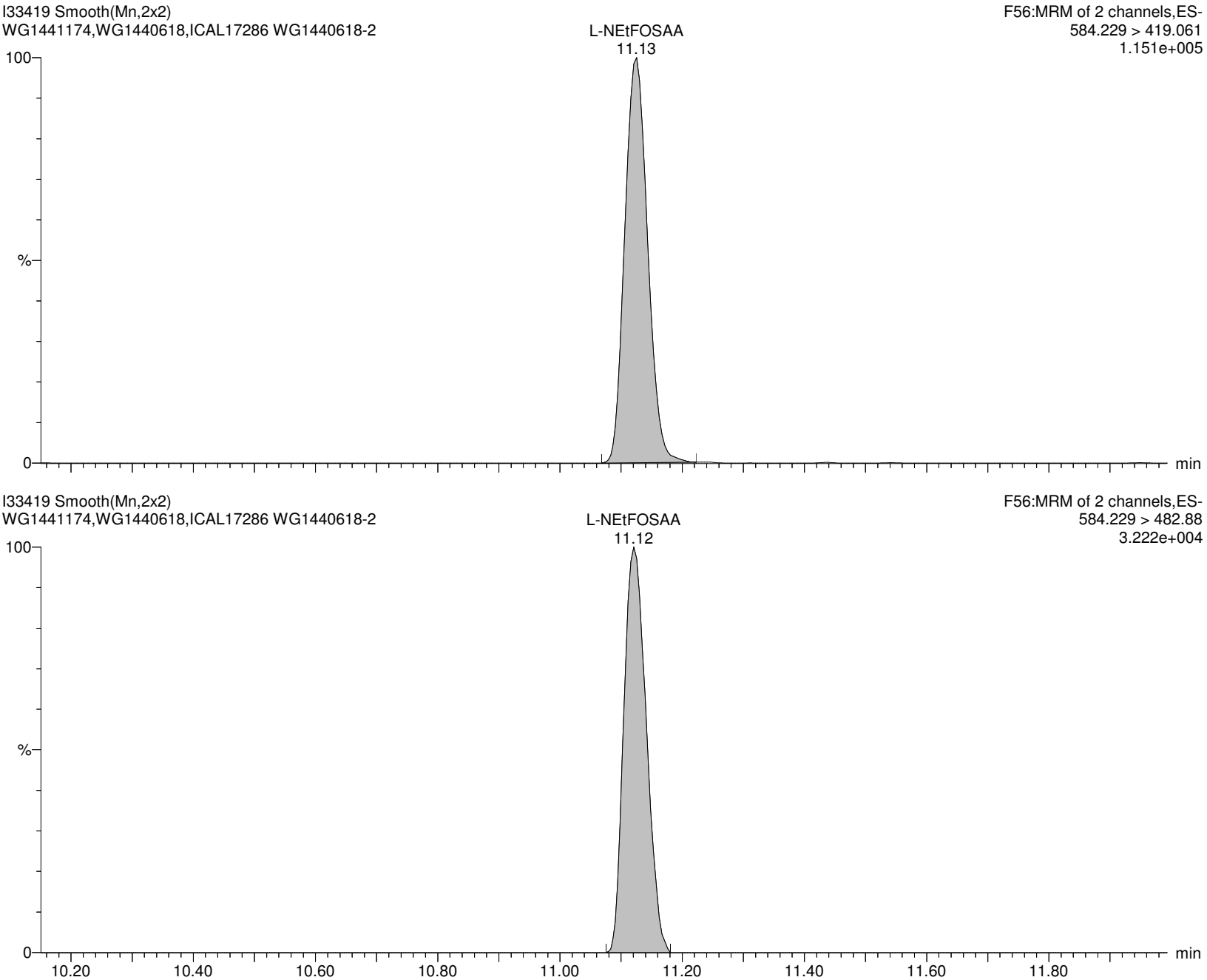

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
Last Altered: Sunday, December 06, 2020 22:56:32 Eastern Standard Time
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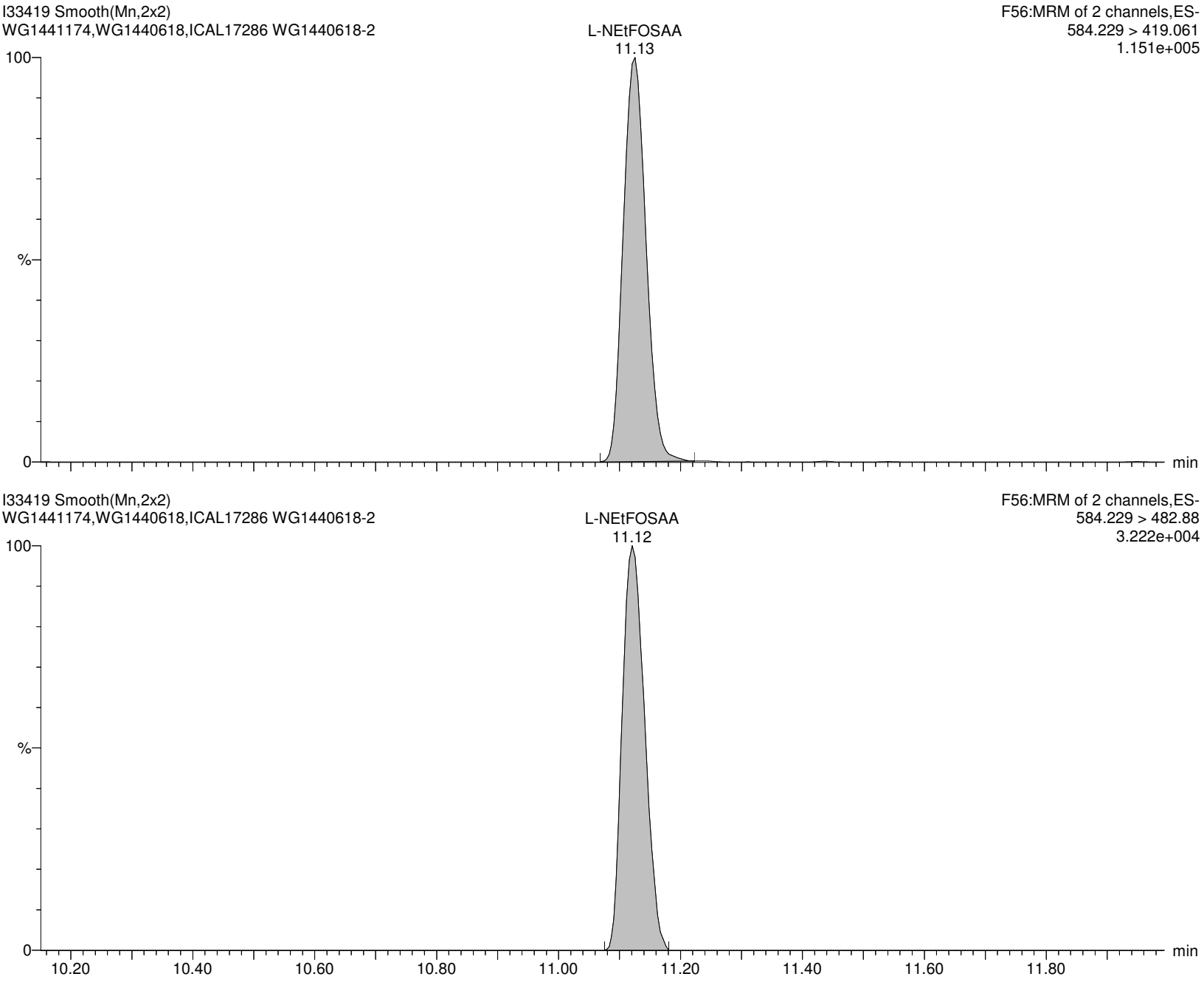

all concentration units in (ng/mL)

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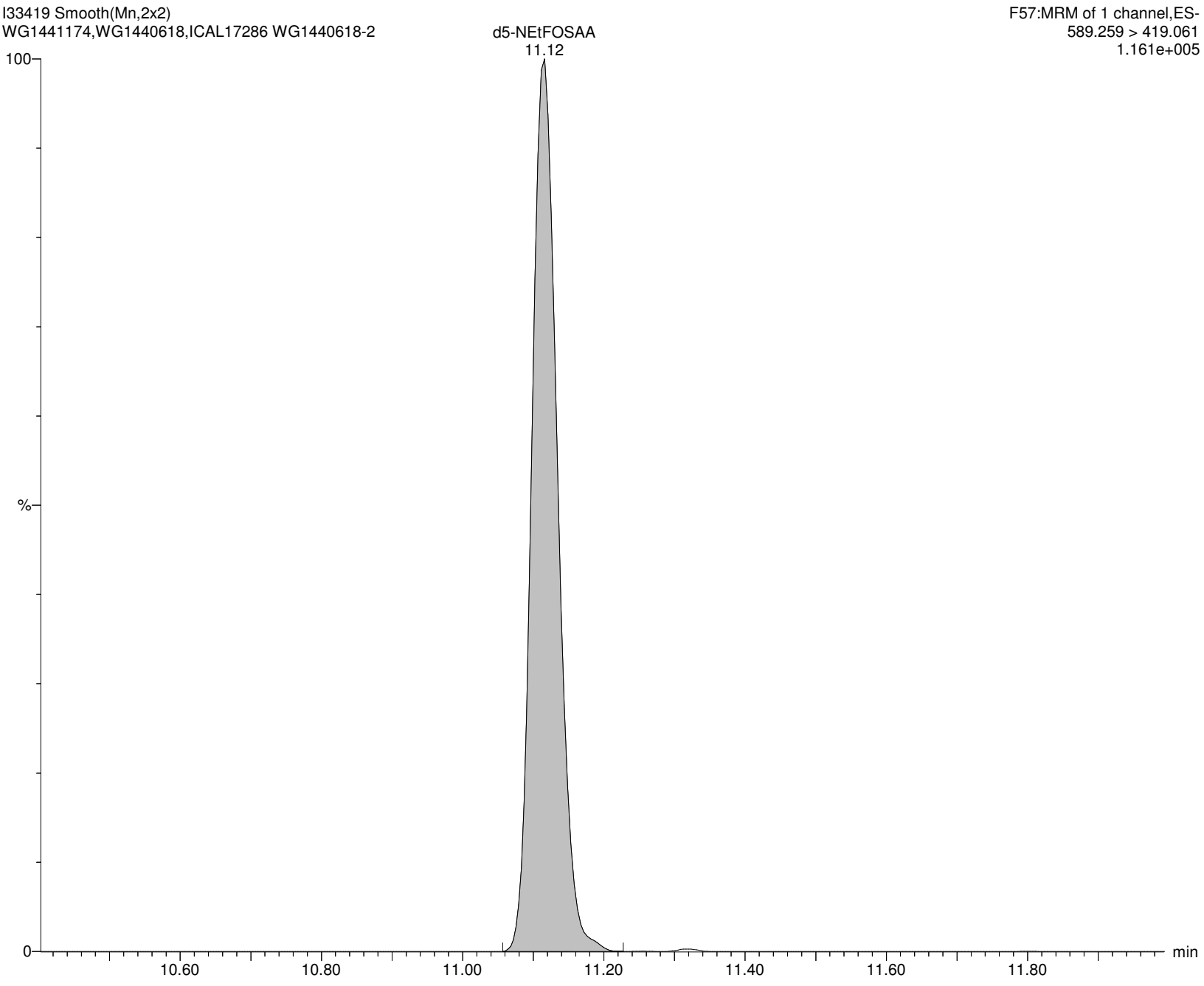

all concentration units in (ng/mL)

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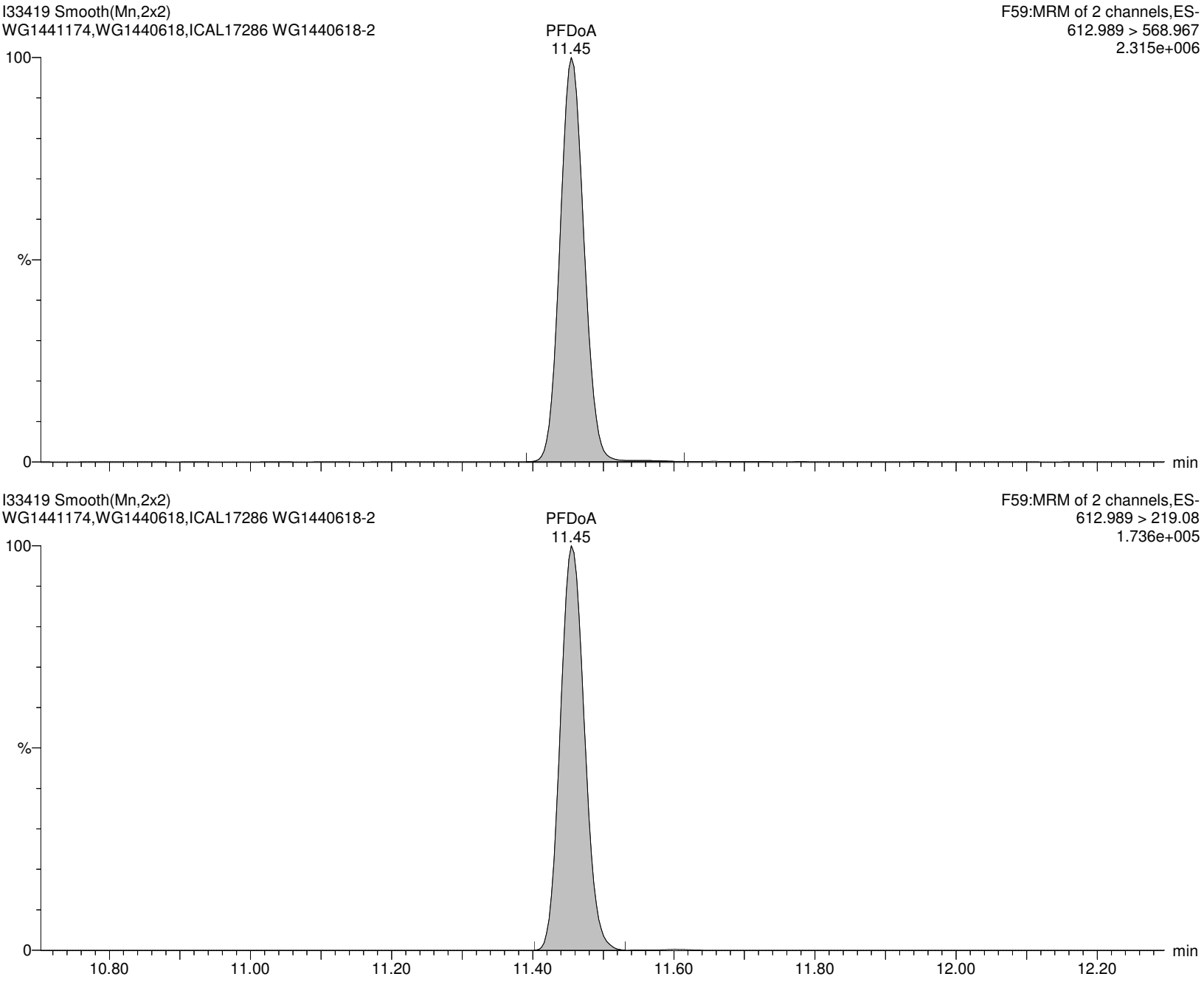

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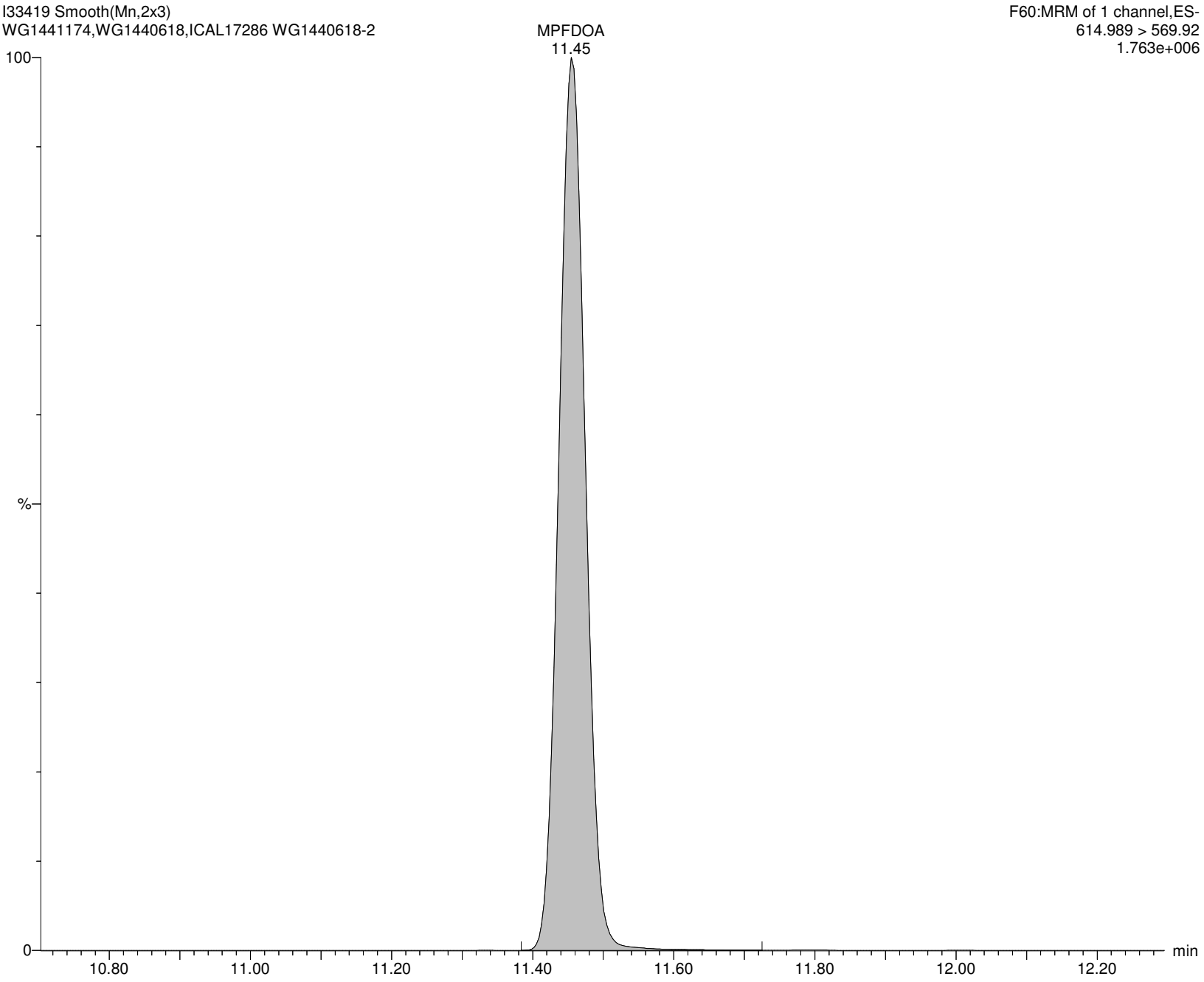

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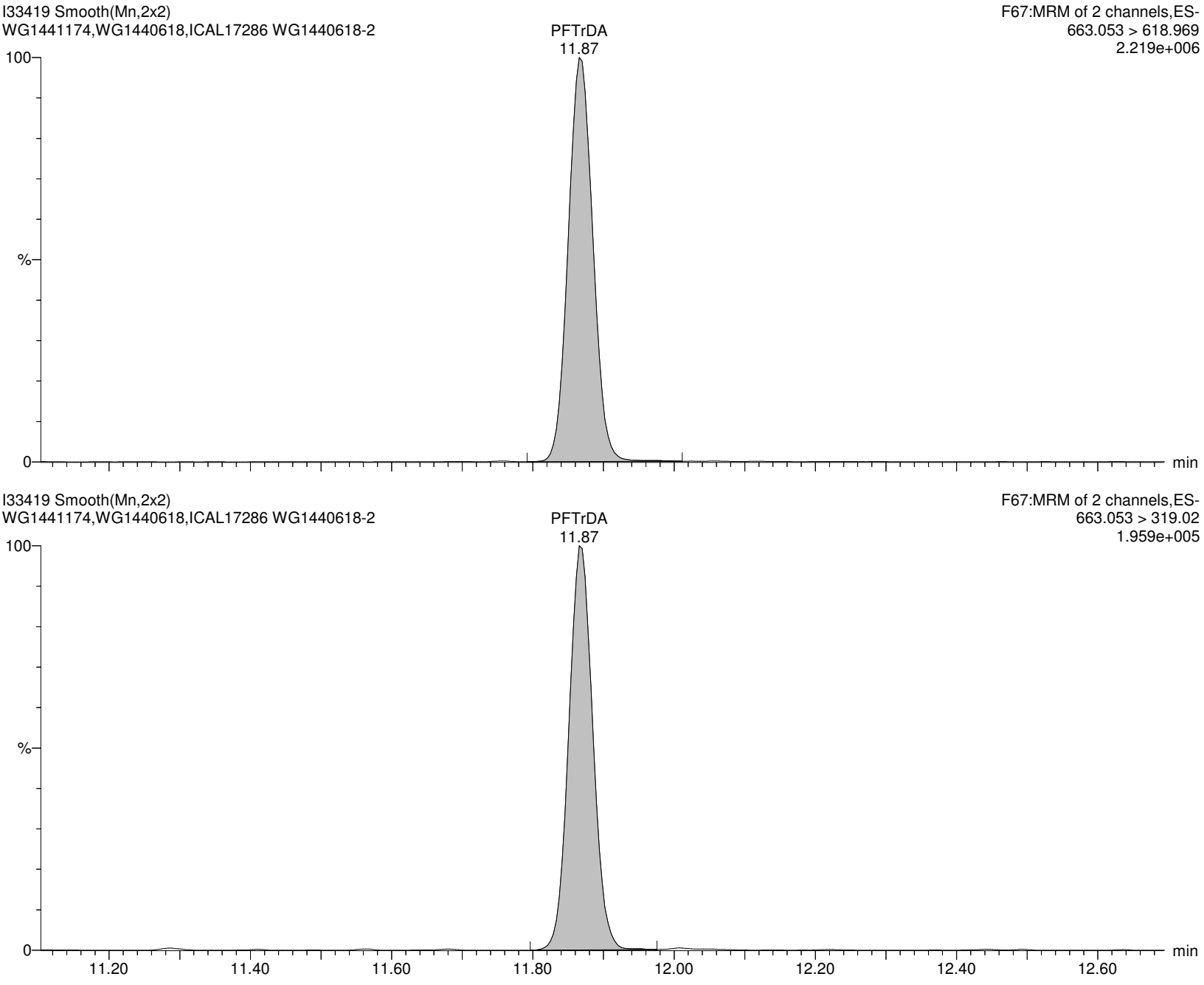

all concentration units in (ng/mL)

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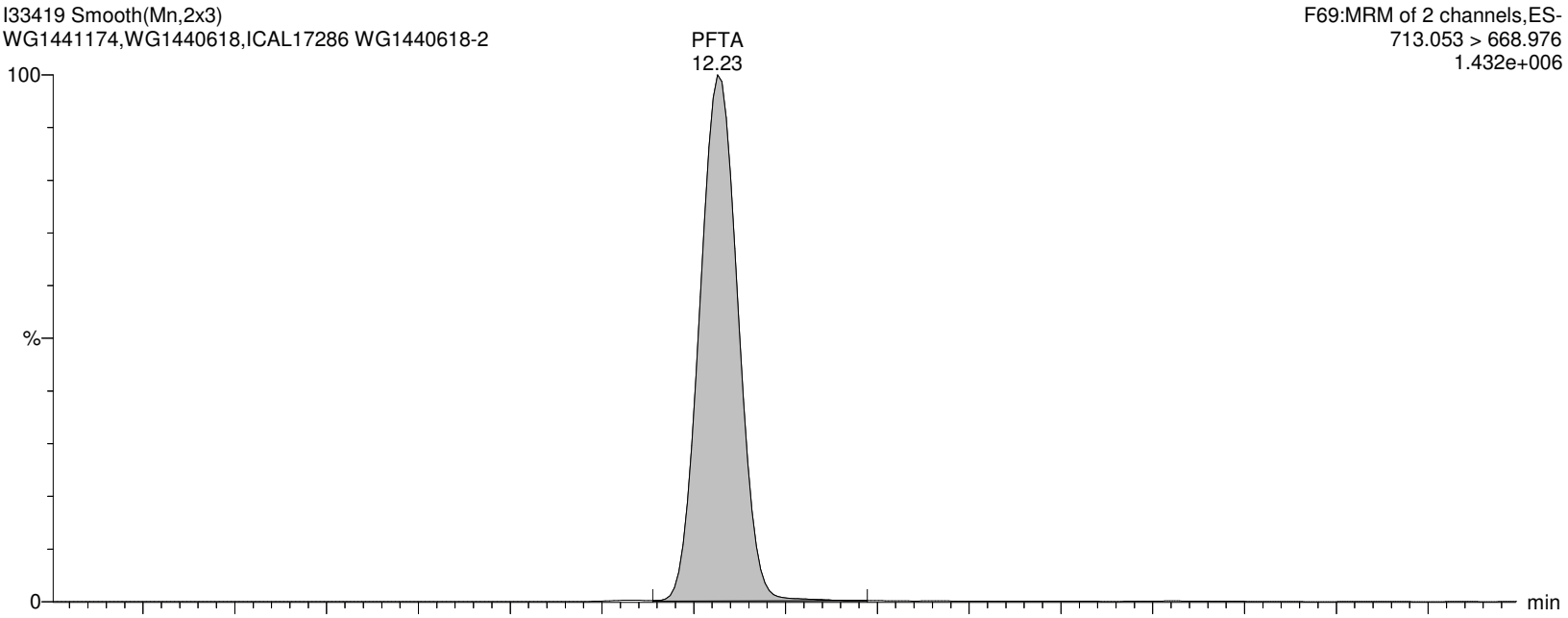

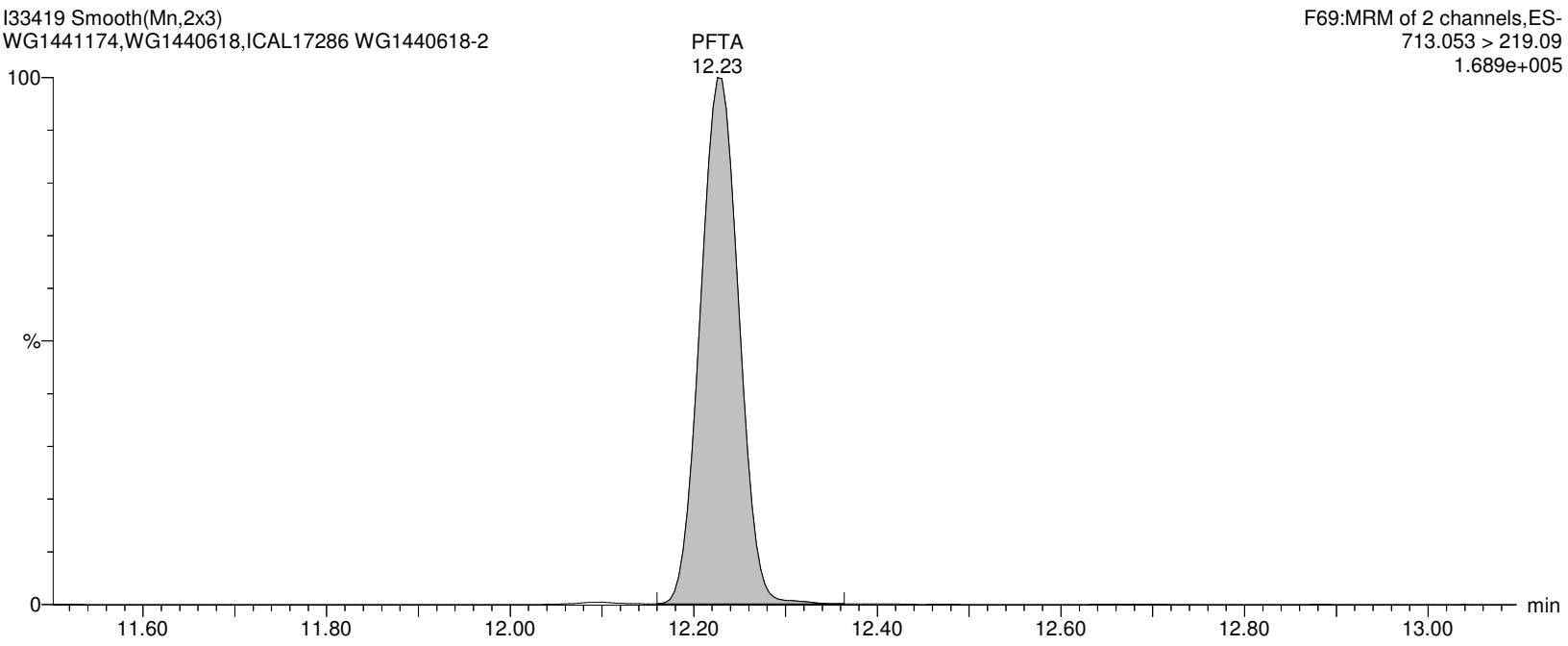

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Tune Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\200520_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

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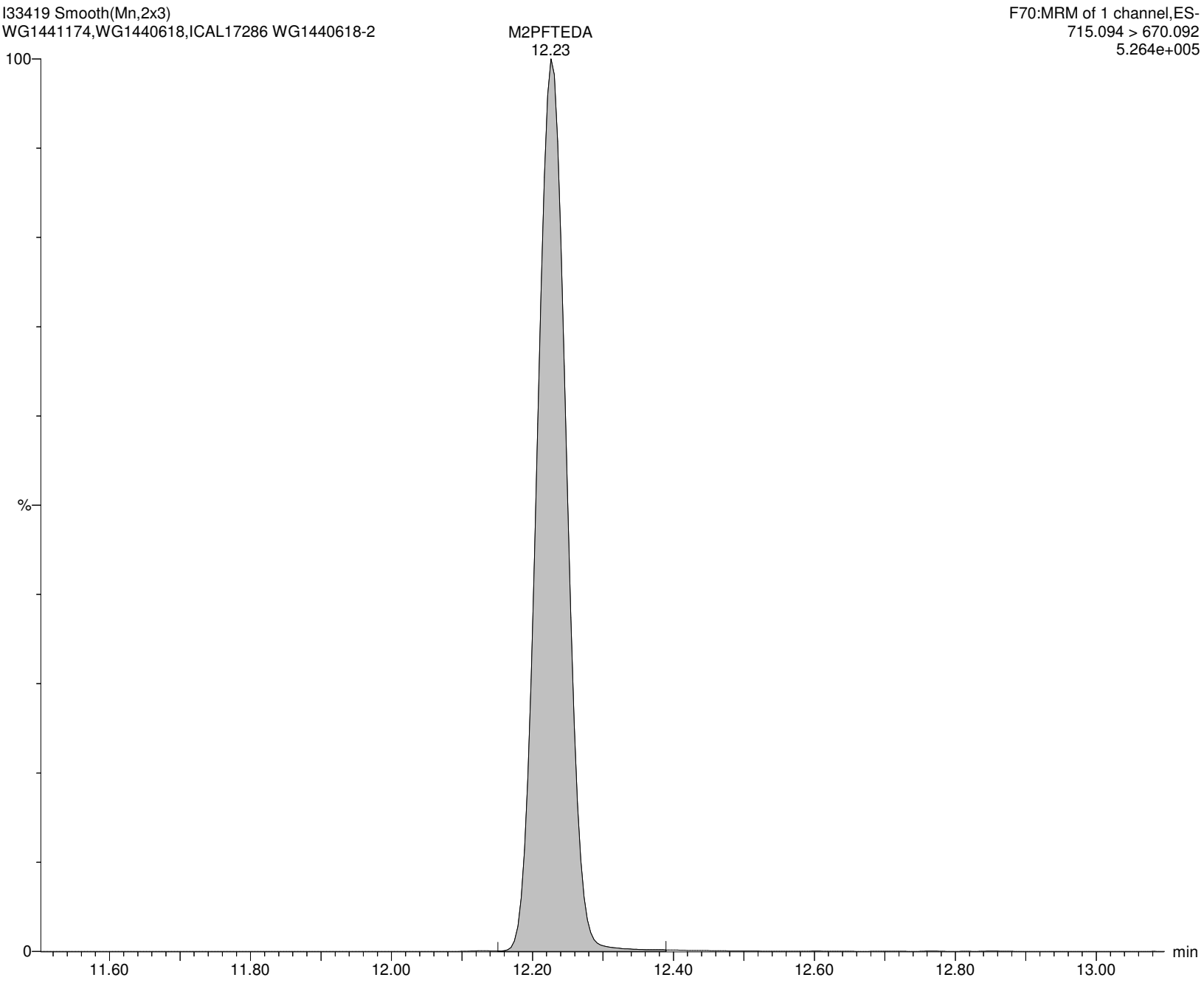

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
Last Altered: Sunday, December 06, 2020 22:56:32 Eastern Standard Time
Printed: Sunday, December 06, 2020 22:59:40 Eastern Standard Time

Method: C:\MassLynx\Data\2020\201204_537ISO.PRO\MethDB\537ISO_Q_201027_TOP_RT.mdb 06 Nov 2020 07:37:19
Calibration: C:\MassLynx\Data\2020\201204_537ISO.PRO\CurveDB\201027_ISO_ICAL.cdb 28 Oct 2020 09:14:48

ID: WG1440618-3
Name: I33420
Date: 04-Dec-2020
Time: 17:02:05
Description: WG1441174,WG1440618,ICAL17286
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:JW
Inlet Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\200520_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
1	PFBA	375-22-4	2.16	212.926 > 169.111	32392		11.976		na	119.8
2	M3PFBA	INT STD	2.16	215.926 > 172.122	27831		9.476		na	94.8
3	MPFBA	INT STD	2.16	216.926 > 172.137	35351		10.506		na	105.1
4	PFPeA	2706-90-3	4.98	262.926 > 219.002	46999		12.128		na	121.3
5	M5PFPEA	INT STD	4.98	267.989 > 223.081	54132		12.494		na	124.9
6	PFBS	375-73-5	5.62	298.926 > 79.923	9276		10.529	1.81	NO	119.0
7	M3PFBS	INT STD	5.62	301.989 > 80.254	8339		10.251		na	102.5
8	4:2FTS	757124-72-4	6.76	326.926 > 306.957	3317		14.351	2.43	NO	153.5
9	M2-4:2FTS	INT STD	6.76	329.117 > 309.079	3815		12.799		na	128.0
10	PFHxA	307-24-4	6.84	312.989 > 269.028	57525		12.014	15.81	NO	120.1
11	M5PFHxA	INT STD	6.84	317.989 > 273.045	52506		10.903		na	109.0
12	PFPeS	2706-91-4	7.16	348.926 > 80.251	8399		11.255	2.16	NO	119.7
13	PFHpA	375-85-9	8.11	362.926 > 319.014	75493		11.598	5.61	NO	116.0
14	M4PFHpA	INT STD	8.11	366.926 > 321.979	67394		11.153		na	111.5
15	br-PFHxS	355-46-4	8.04	398.926 > 80.295	1539	m5,m7	2.382	2.08	NO	140.1
16	L-PFHxS	355-46-4	8.28	398.926 > 80.295	7524		9.314	1.46	NO	125.9
17	PFHxS	355-46-4		398.926 > 80.295	9063		11.696		na	
18	M3PFHxS	INT STD	8.28	401.926 > 80.317	7773		10.797		na	108.0
19	br-PFOA	335-67-1		412.989 > 368.9			ND		YES	
20	L-PFOA	335-67-1	9.06	412.989 > 368.9	83187		11.560	7.57	YES	115.6
21	M2PFOA	INT STD	9.06	415.032 > 369.968	74142		11.872		na	118.7
22	PFOA	335-67-1		412.989 > 368.9	83187		11.560		na	
23	M8PFOA	INT STD	9.06	420.989 > 375.979	86115		10.578		na	105.8
24	6:2FTS	27619-97-2	9.02	427.161 > 407.155	4388		12.715	26.87	YES	133.8
25	M2-6:2FTS	INT STD	9.02	429.146 > 409.14	4420		13.570		na	135.7
26	PFHpS	375-92-8	9.16	448.926 > 80.257	6713		11.339	1.07	NO	119.4
27	PFNA	375-95-1	9.82	462.989 > 418.931	75305		11.720	3.51	NO	117.2
28	M9PFNA	INT STD	9.82	472.053 > 426.947	34403		11.034		na	110.3
29	br-PFOS	1763-23-1	9.61	498.989 > 80.294	2189	m5,m7	2.330	4.82	YES	116.5
30	L-PFOS	1763-23-1	9.87	498.989 > 80.294	7412		9.550	1.81	NO	130.8
31	PFOS	1763-23-1		498.989 > 80.294	9601		11.880		na	
32	M4PFOS	INT STD	9.87	503.032 > 80.306	6648		8.898		na	89.0
33	M8PFOS	INT STD	9.87	507.053 > 80.294	8487		10.219		na	102.2
34	PFDA	335-76-2	10.45	513.053 > 468.906	71917		12.086	5.27	NO	120.9
35	M2PFDA	INT STD	10.45	515.053 > 469.934	61251		14.101		na	141.0
36	M6PFDA	INT STD	10.45	519.053 > 473.931	69389		10.359		na	103.6
37	8:2FTS	39108-34-4	10.44	527.177 > 507.171	2663		12.078	101.89	YES	125.8
38	M2-8:2FTS	INT STD	10.44	529.162 > 509.155	3882		17.111		na	171.1
39	PFNS	68259-12-1	10.48	548.989 > 80.249	8171		12.173	1.33	NO	126.8

all concentration units in (ng/mL)

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Last Altered: Sunday, December 06, 2020 22:56:32 Eastern Standard Time
Printed: Sunday, December 06, 2020 22:59:40 Eastern Standard Time

ID: WG1440618-3
Name: I33420
Date: 04-Dec-2020
Time: 17:02:05
Description: WG1441174,WG1440618,ICAL17286
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:JW
Inlet Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\200520_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.82	573.22 > 419.061	6687		9.576		na	95.8
41	br-NMeFOSAA			570.202 > 419.061			ND		YES	
42	L-NMeFOSAA		10.83	570.202 > 419.061	6940		11.313	2.13	YES	148.9
43	NMeFOSAA	2355-31-9		570.202 > 419.061	6940		11.313		na	
44	PFUnA	2058-94-8	10.99	562.989 > 518.903	73989		12.286	7.13	NO	122.9
45	M7-PFUDA	INT STD	10.99	570.053 > 524.923	64581		11.281		na	112.8
46	PFDS	335-77-3	11.00	598.926 > 80.314	8315		12.714	1.45	NO	131.8
47	FOSA	754-91-6	10.89	498.146 > 78.07	3714	m7	11.521	551.50	YES	115.2
48	M8FOSA	INT STD	10.89	506.077 > 78.07	3694		0.834		na	8.3
49	br-NEtFOSAA			584.229 > 419.061			ND		YES	
50	L-NEtFOSAA		11.12	584.229 > 419.061	4963		11.710	3.90	NO	151.1
51	NEtFOSAA	2991-50-6		584.229 > 419.061	4963		11.710		na	
52	d5-NEtFOSAA	INT STD	11.11	589.259 > 419.061	5238		9.406		na	94.1
53	PFDoA	307-55-1	11.45	612.989 > 568.967	90360		12.174	13.66	NO	121.7
54	MPFDOA	INT STD	11.45	614.989 > 569.92	75189		11.693		na	116.9
55	PFTrDA	72629-94-8	11.87	663.053 > 618.969	91883		11.915	11.36	NO	119.2
56	PFTA	376-06-7	12.23	713.053 > 668.976	69243		14.498	8.24	NO	145.0
57	M2PFTEDA	INT STD	12.23	715.094 > 670.092	25050		7.933		na	79.3

all concentration units in (ng/mL)

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Method: C:\MassLynx\Data\2020\201204_537ISO.PRO\MethDB\537ISO_Q_201027_TOP_RT.mdb 06 Nov 2020 07:37:19
Calibration: C:\MassLynx\Data\2020\201204_537ISO.PRO\CurveDB\201027_ISO_ICAL.cdb 28 Oct 2020 09:14:48

Name: I33420
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Date: 04-Dec-2020
Time: 17:02:05
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User: LCMS02:JW
Vial: 1:D,2
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\200520_TUNE.IPR
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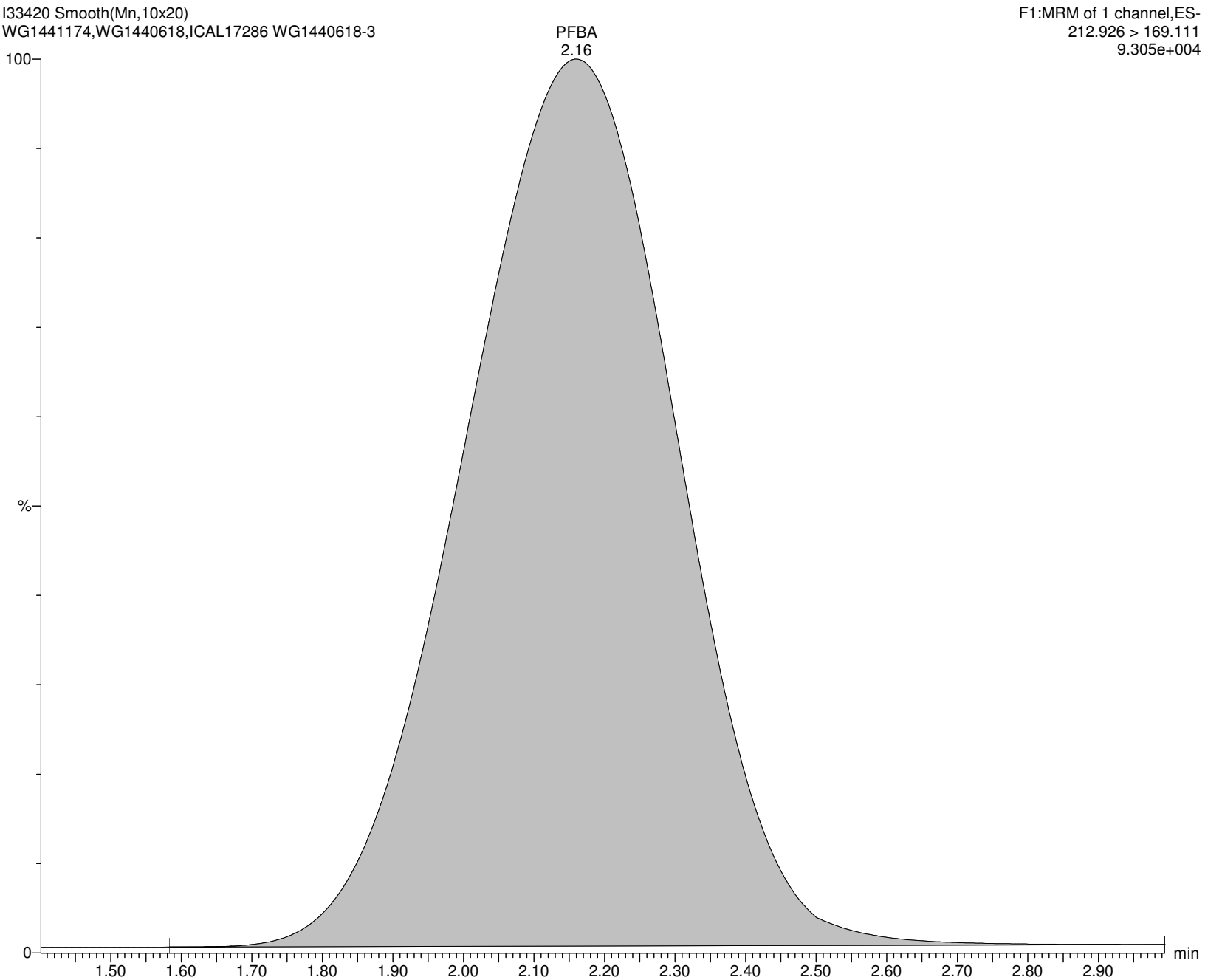

all concentration units in (ng/mL)

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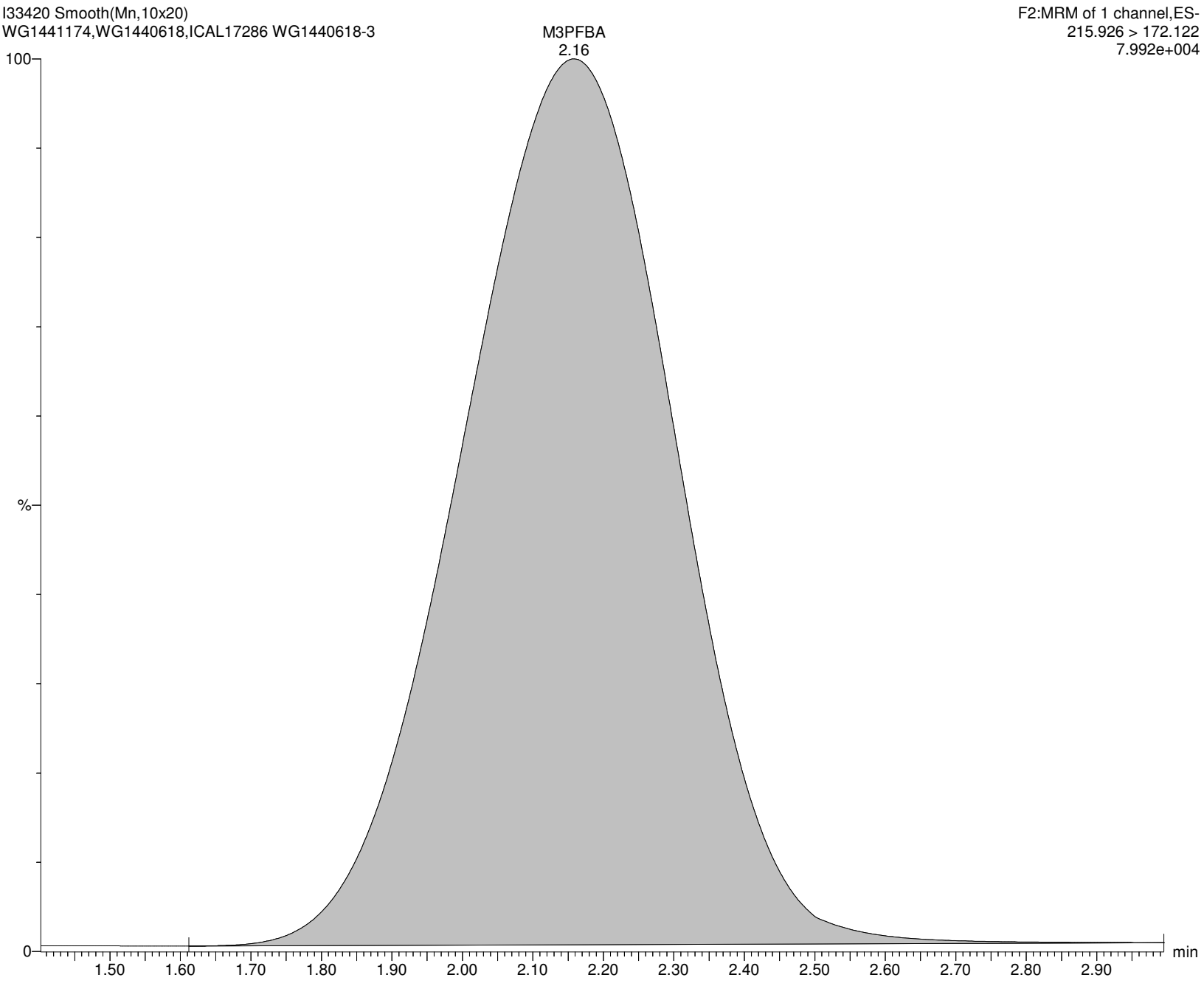

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
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Vial: 1:D,2
Instrument: XEVO-TQSmicro#QEB0050
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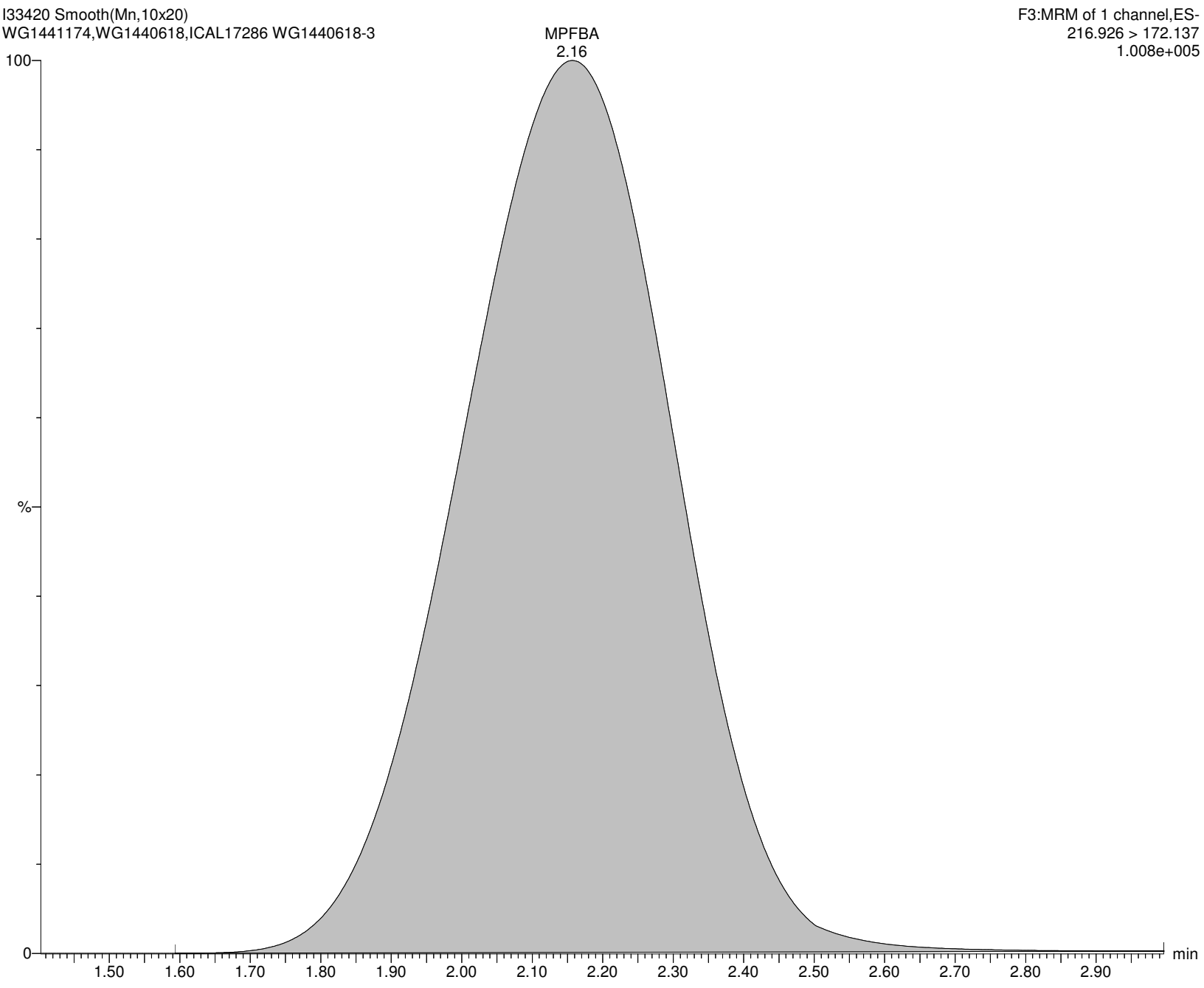

all concentration units in (ng/mL)

Alpha Analytical Inc.
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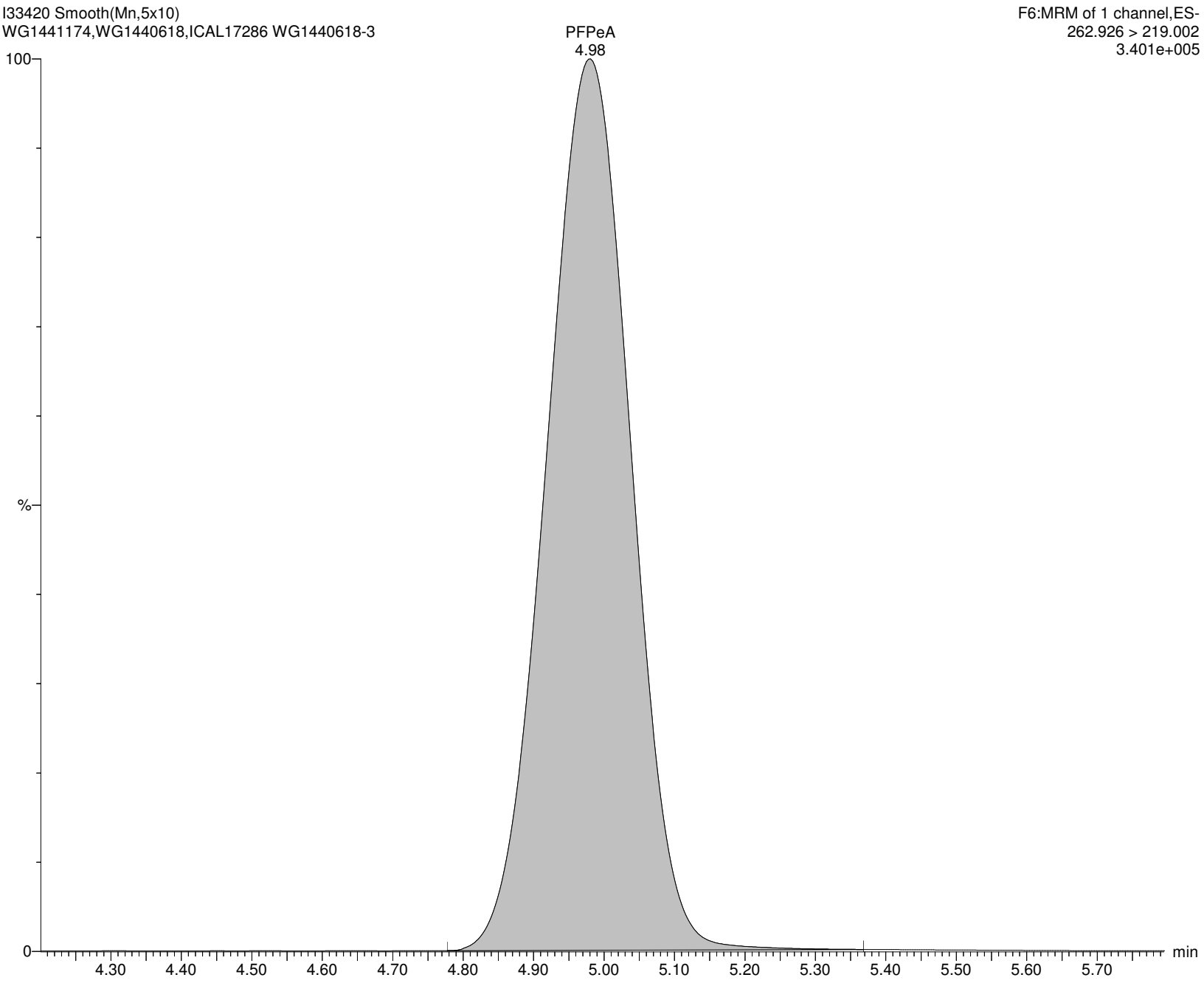
MS Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

PFPeA



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
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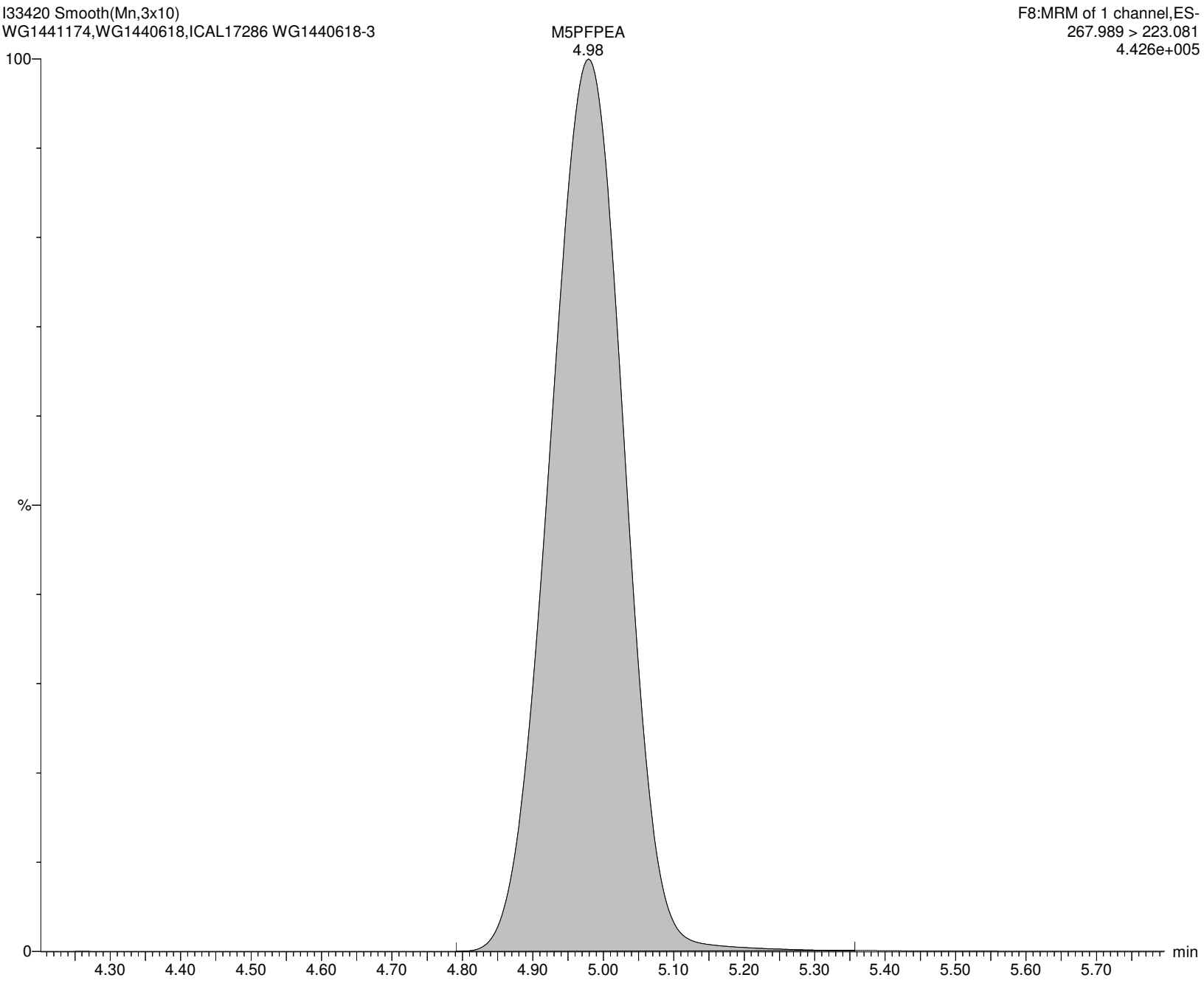

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
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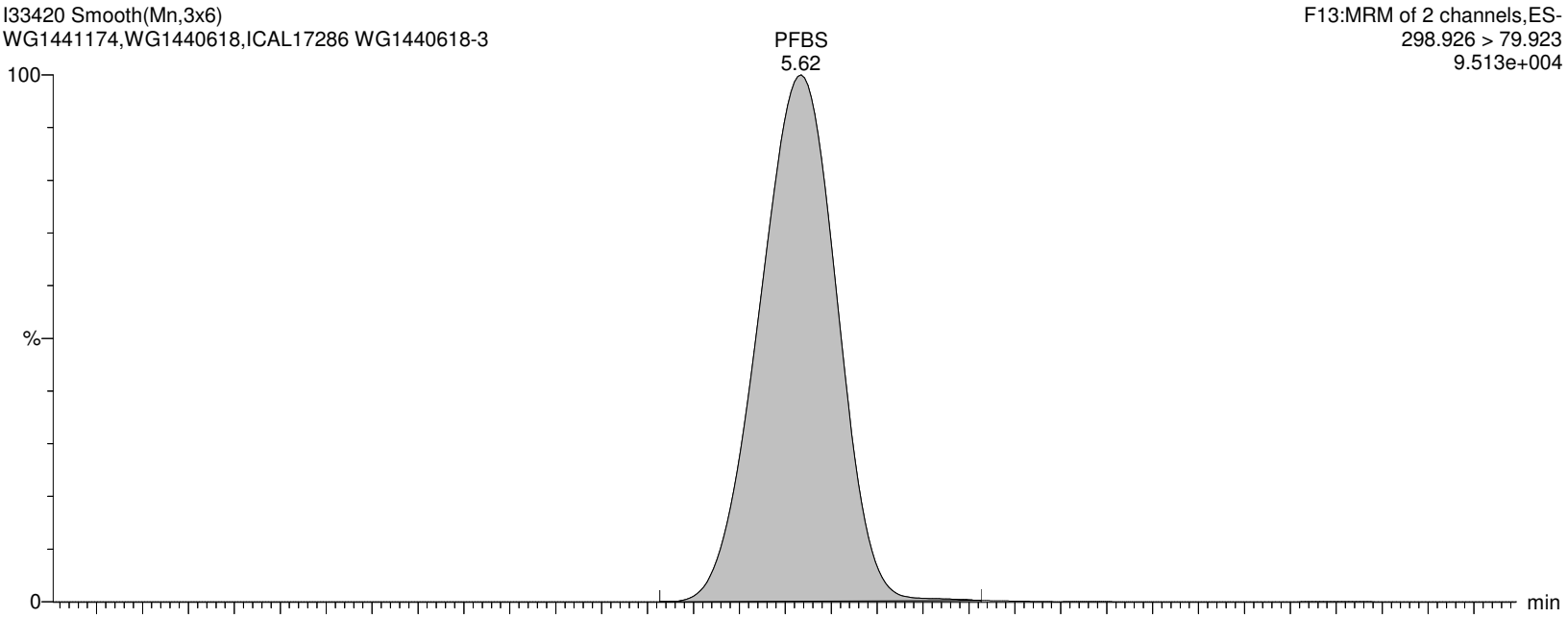

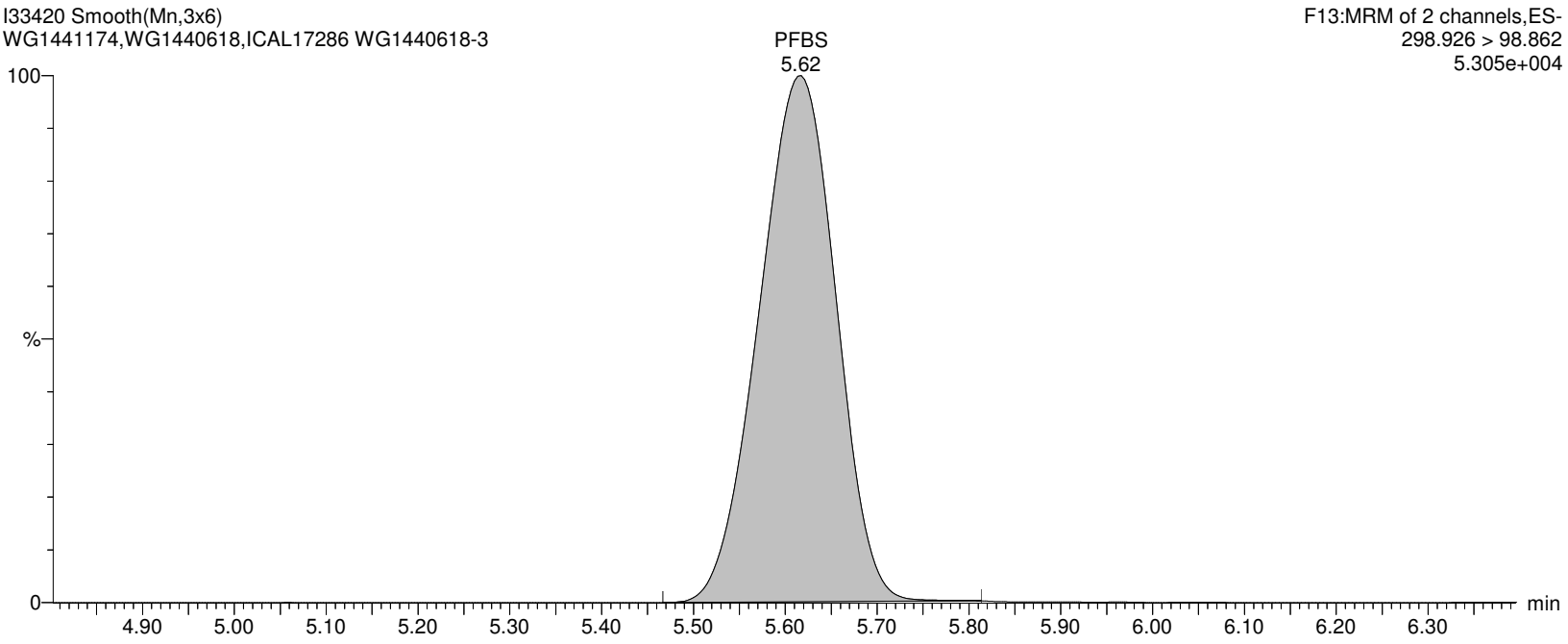

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
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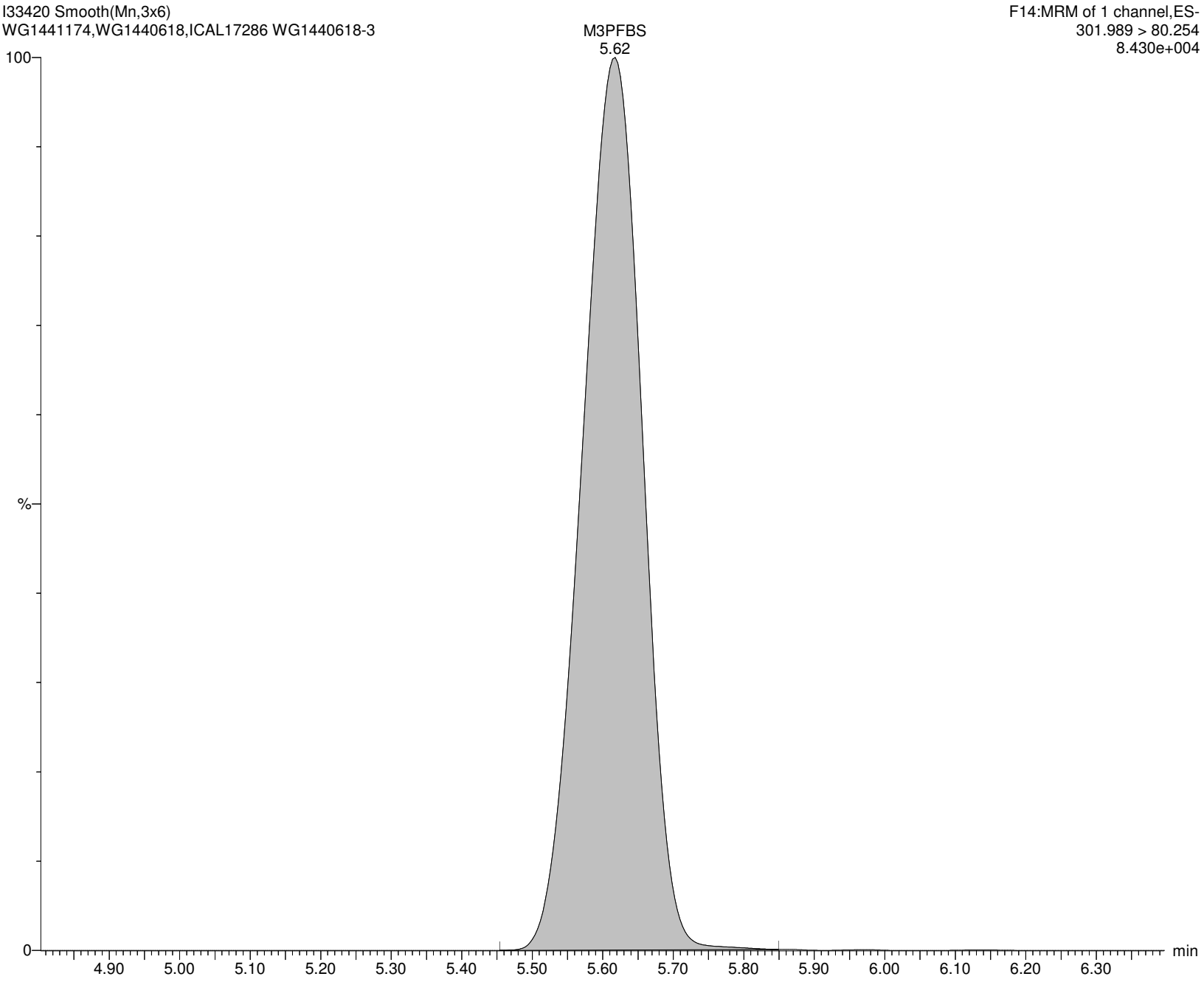
MS Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

M3PFBS



all concentration units in (ng/mL)

Alpha Analytical Inc.
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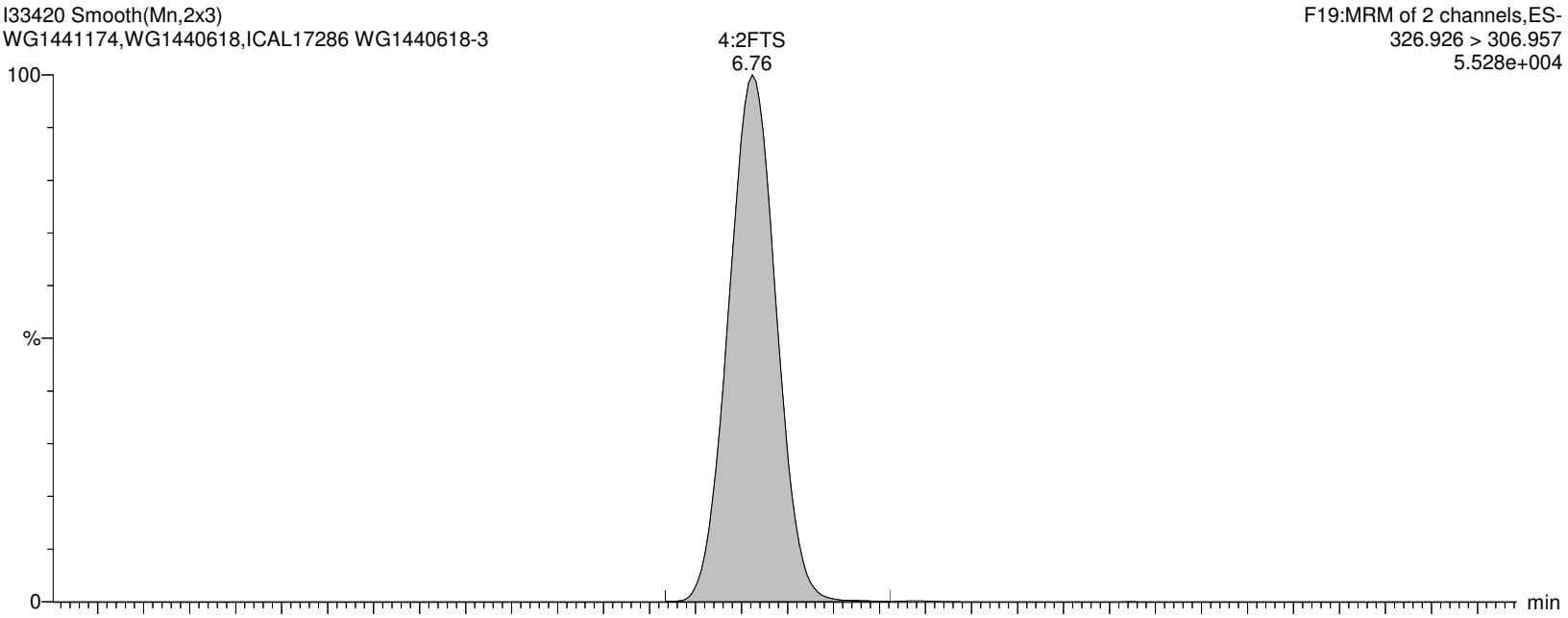
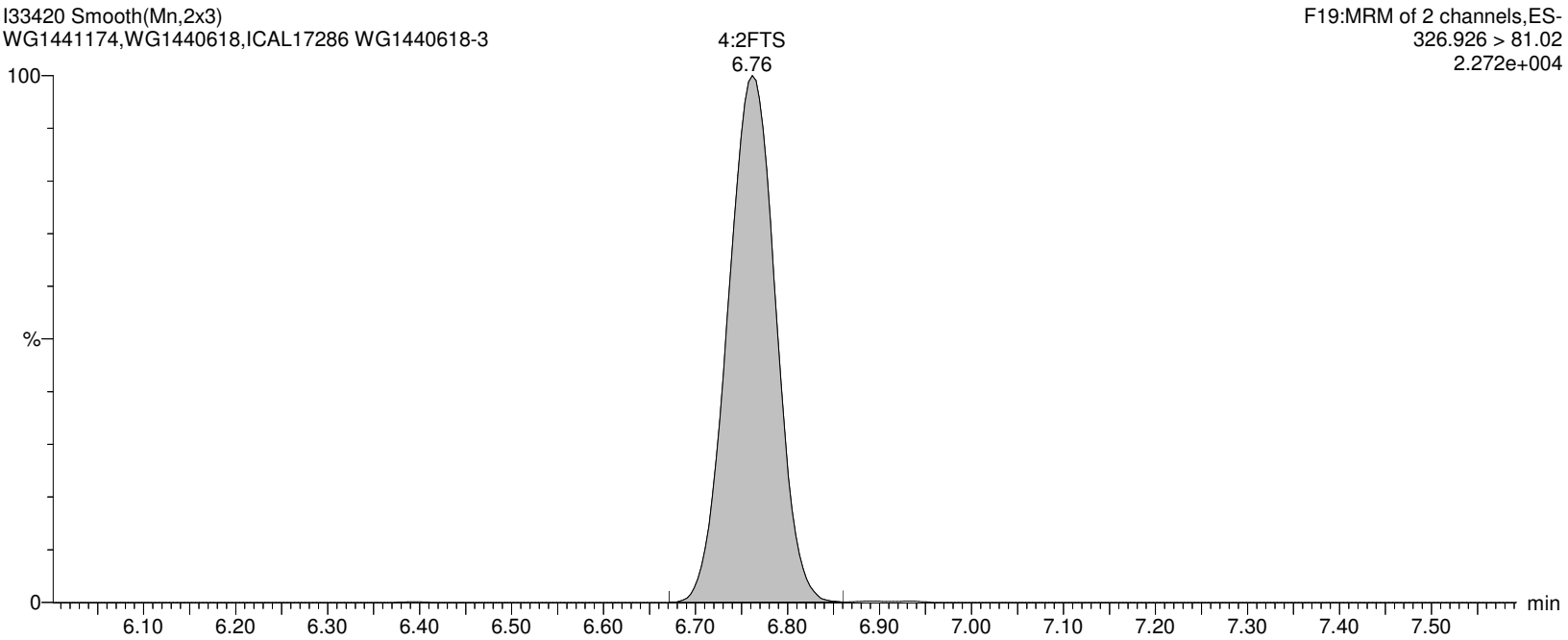
MS Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

4:2FTS





all concentration units in (ng/mL)

Alpha Analytical Inc.
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Vial: 1:D,2
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Tune Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\200520_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

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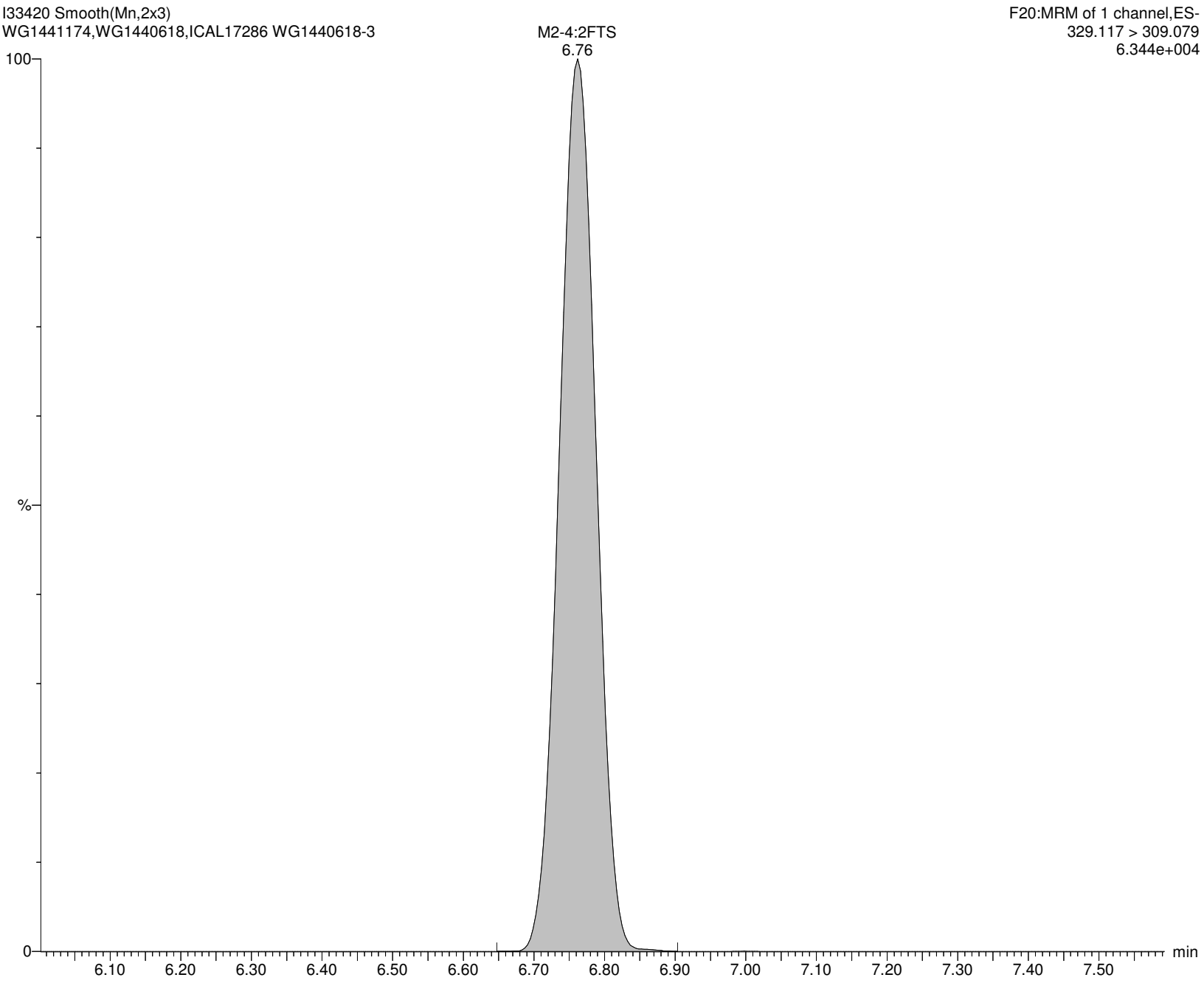

all concentration units in (ng/mL)

Alpha Analytical Inc.
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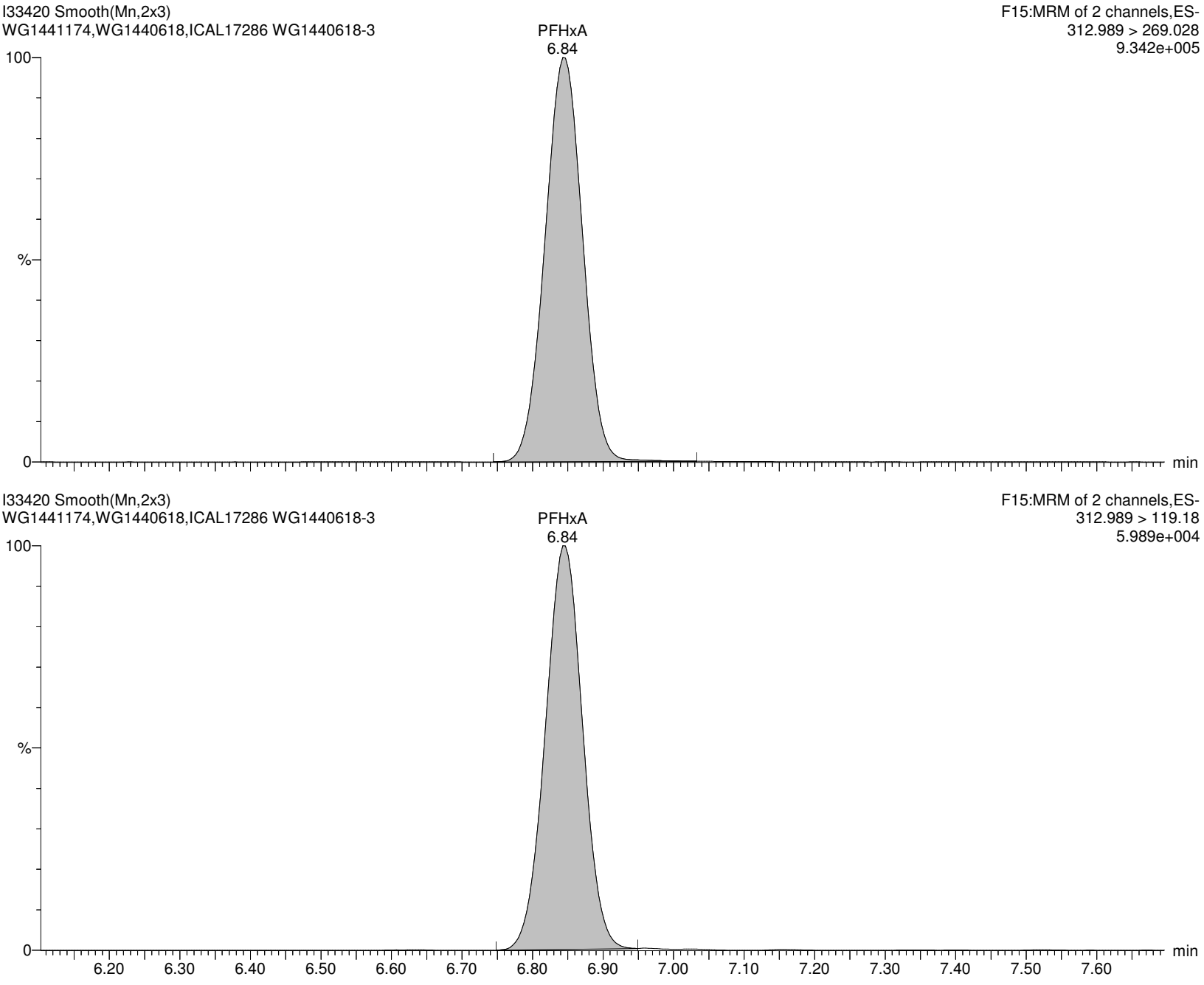
PFHxA



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
Last Altered: Sunday, December 06, 2020 22:56:32 Eastern Standard Time
Printed: Sunday, December 06, 2020 22:59:40 Eastern Standard Time

Name: I33420
ID: WG1440618-3
Date: 04-Dec-2020
Time: 17:02:05
Description: WG1441174,WG1440618,ICAL17286
User: LCMS02:JW
Vial: 1:D,2
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
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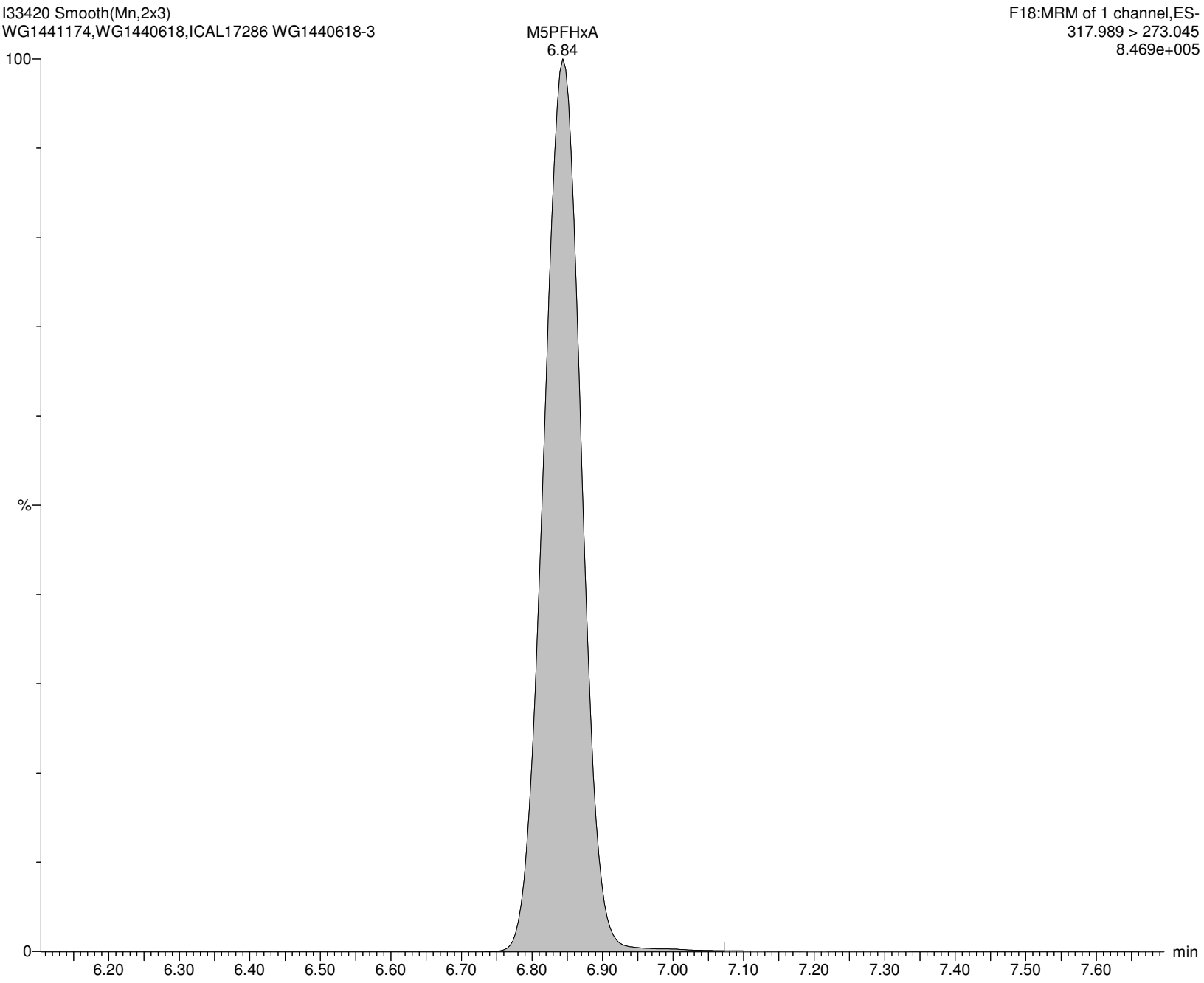

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
Last Altered: Sunday, December 06, 2020 22:56:32 Eastern Standard Time
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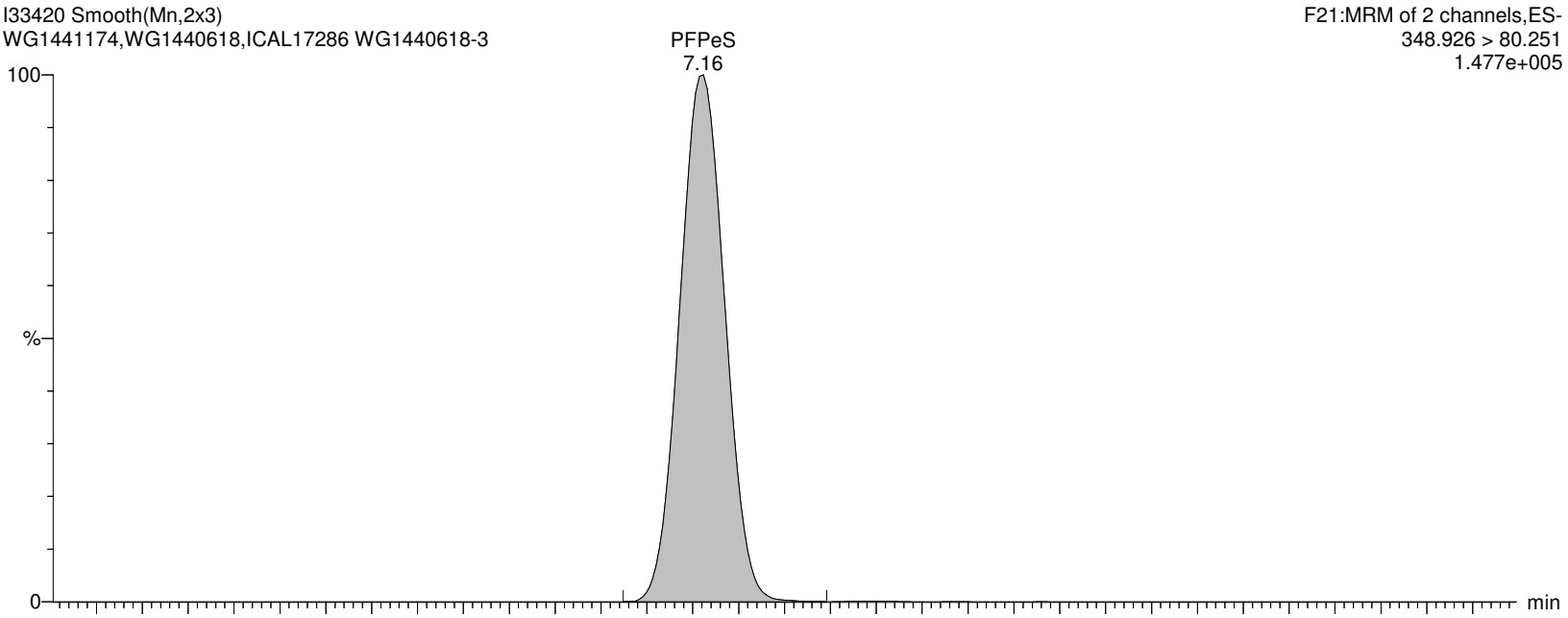

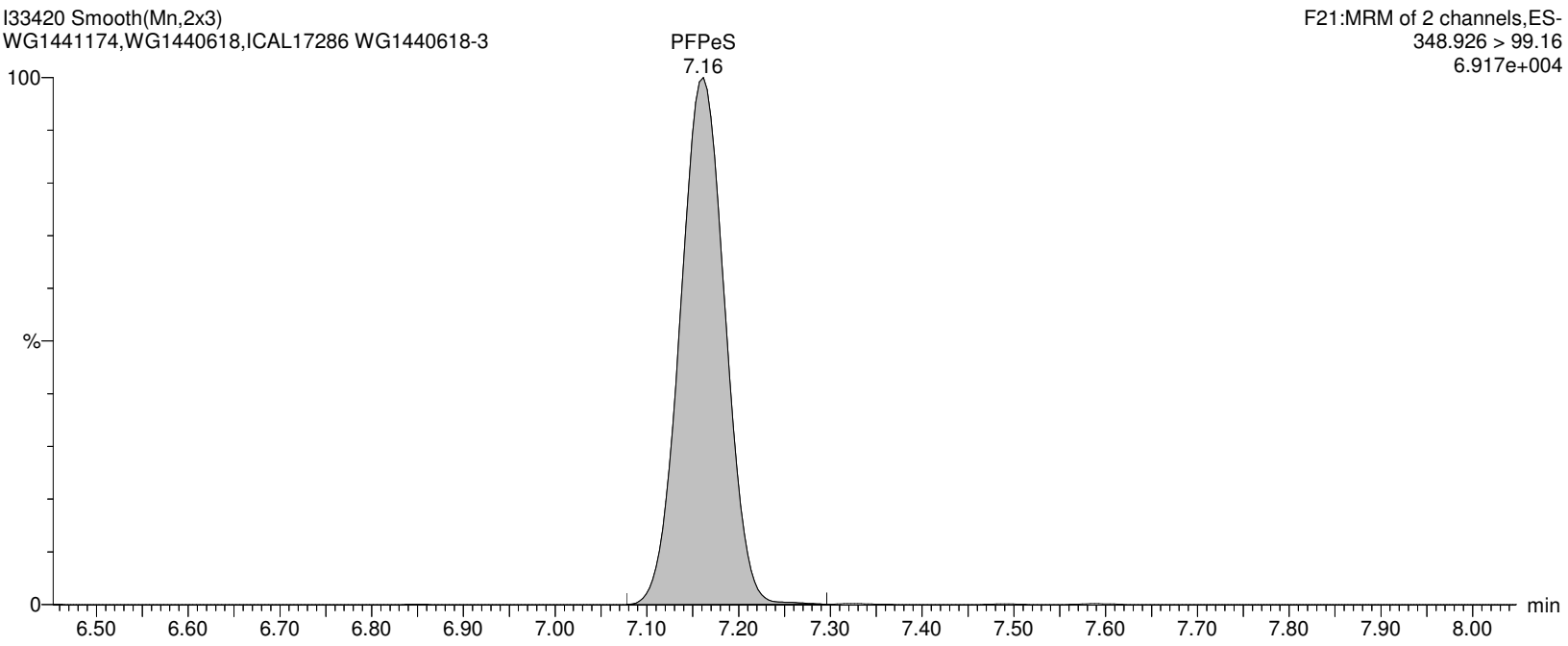

all concentration units in (ng/mL)

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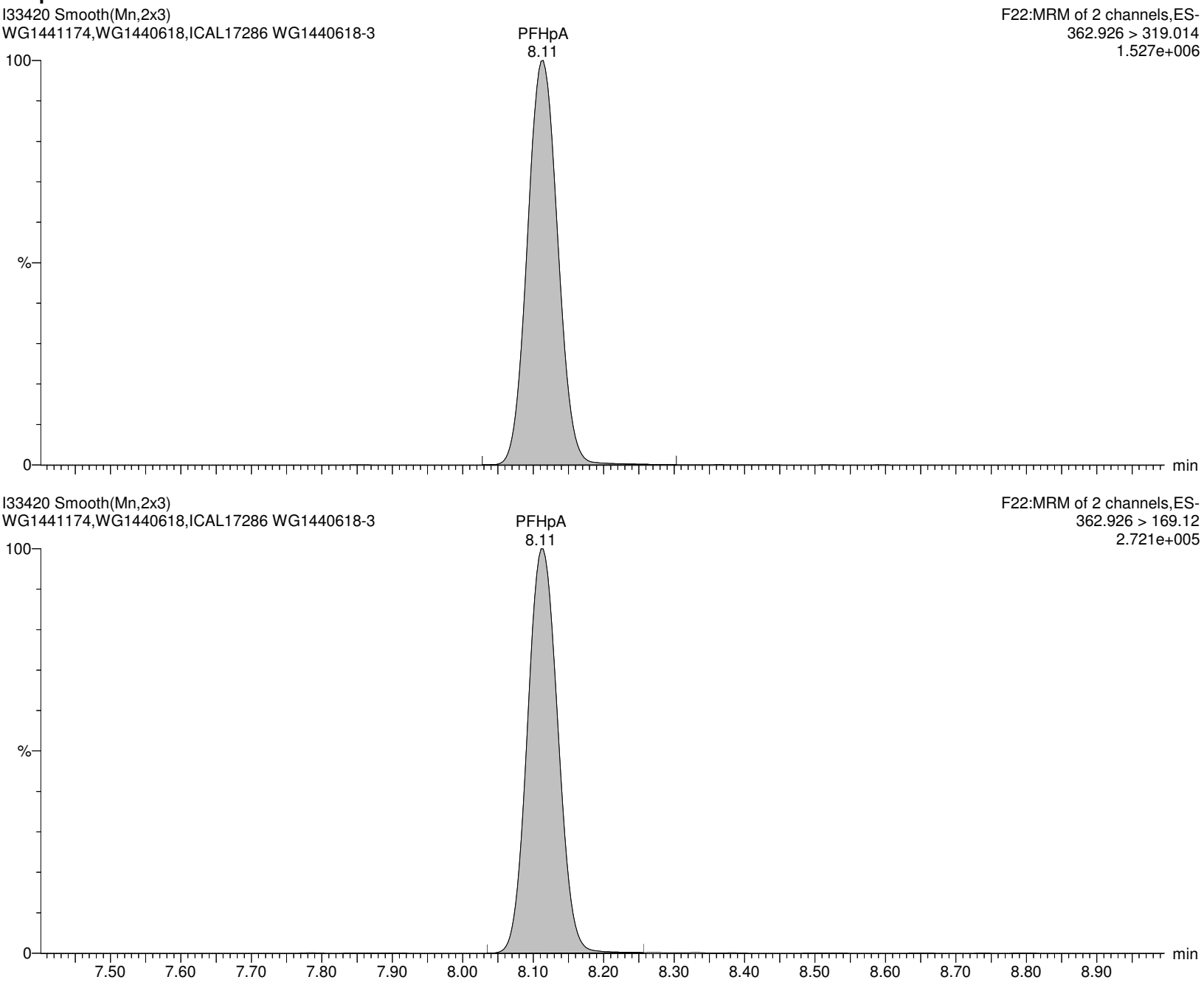

all concentration units in (ng/mL)

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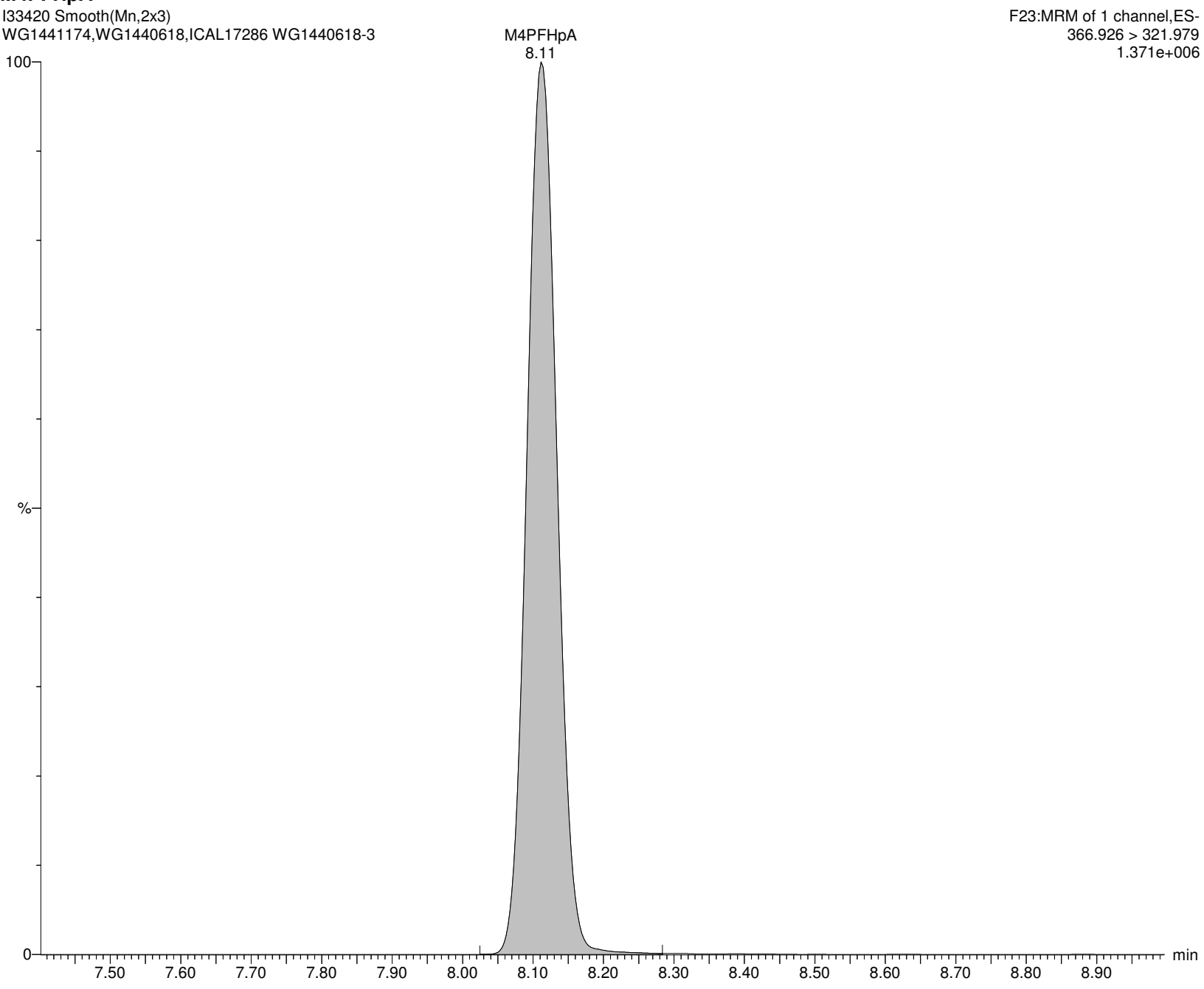

all concentration units in (ng/mL)

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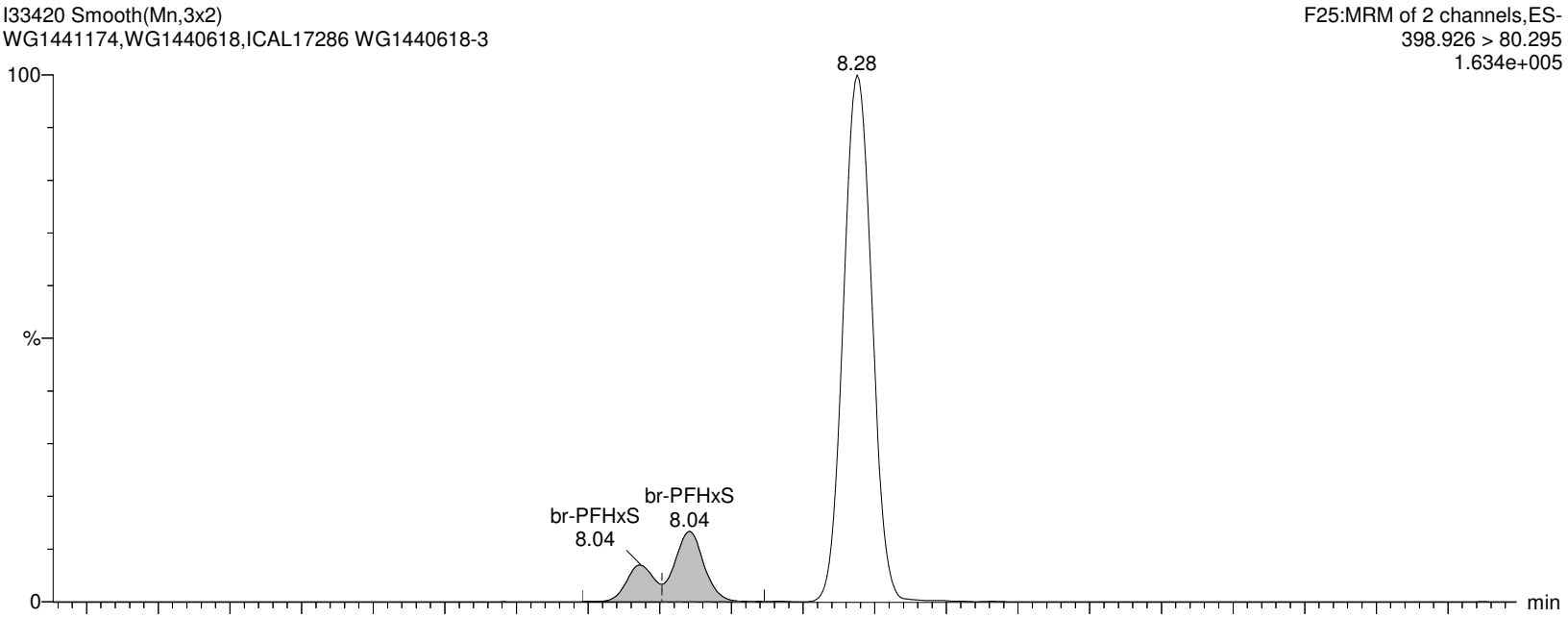

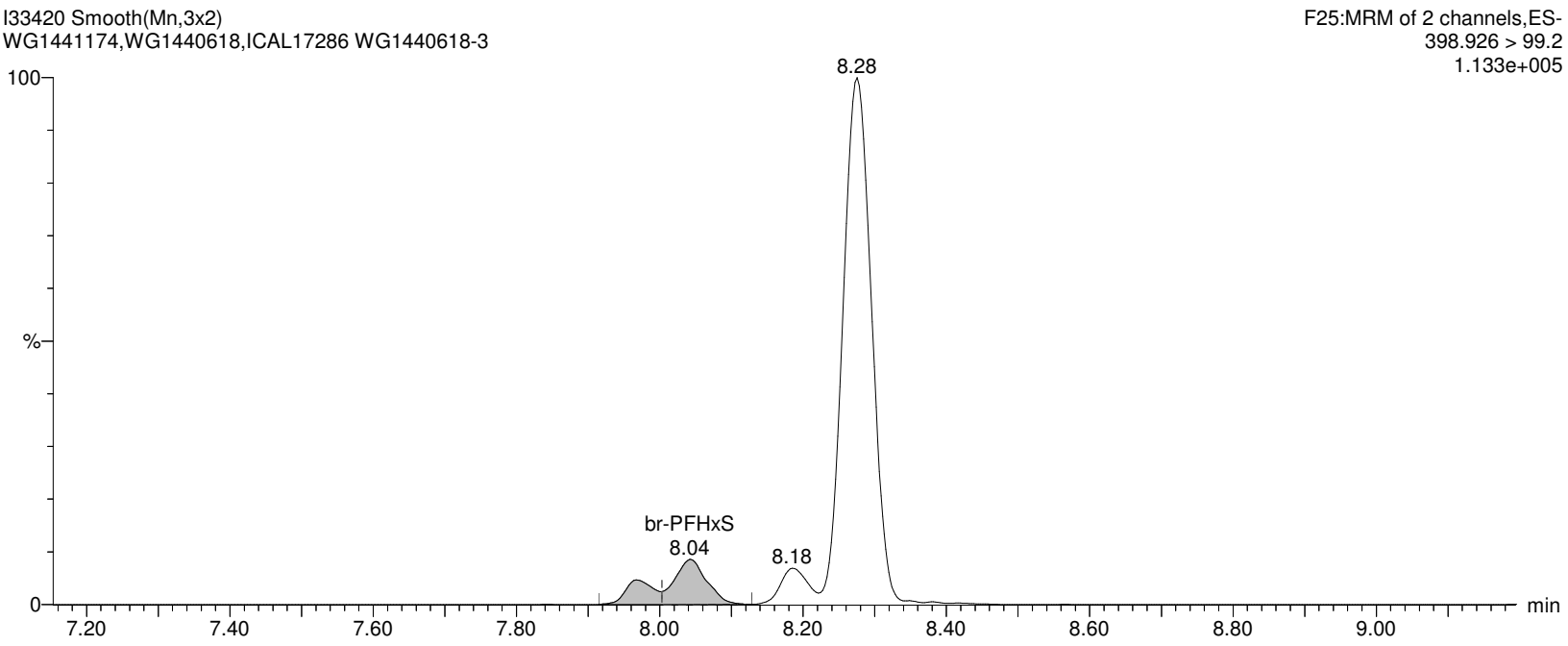

all concentration units in (ng/mL)

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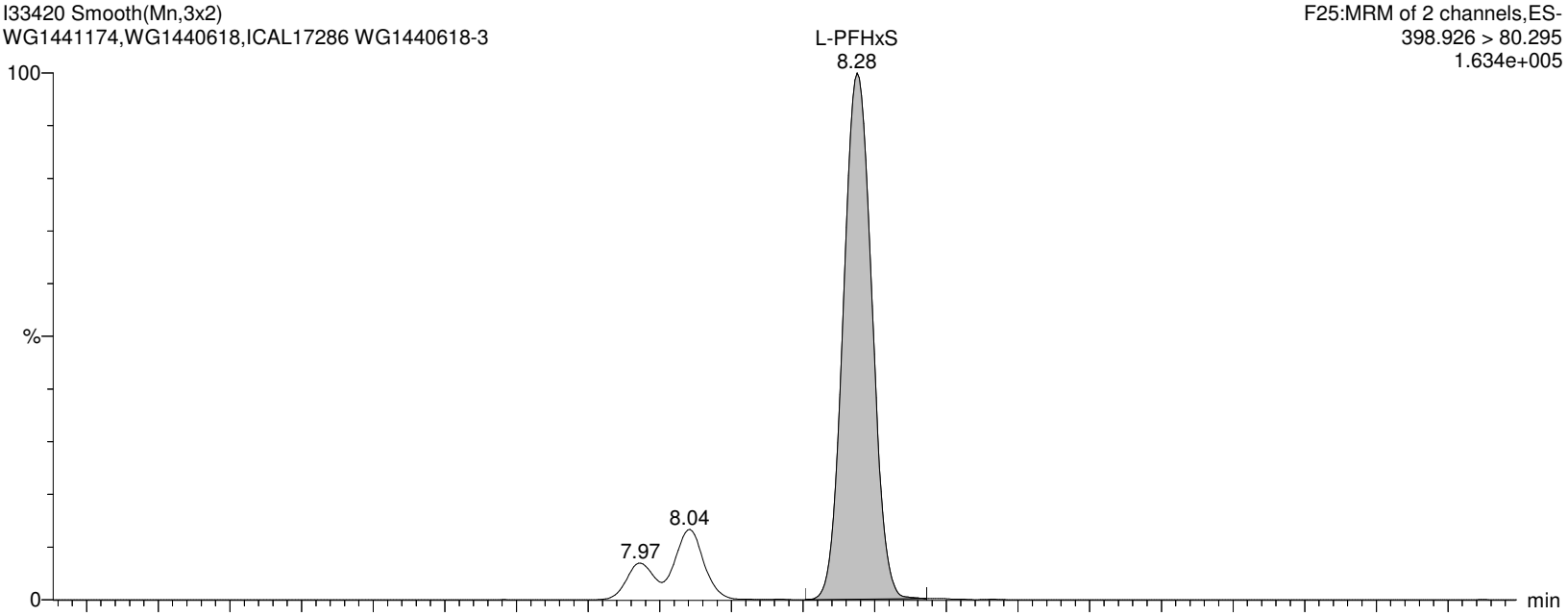

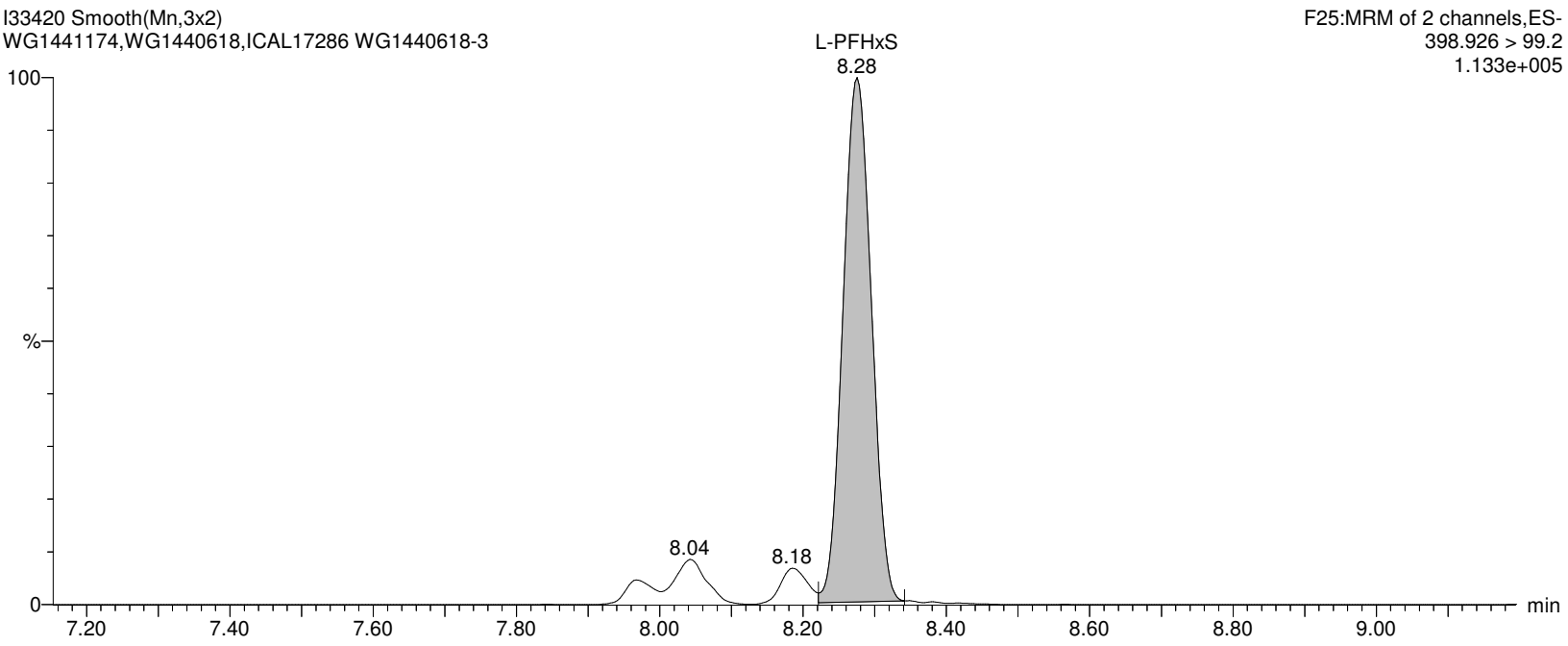

all concentration units in (ng/mL)

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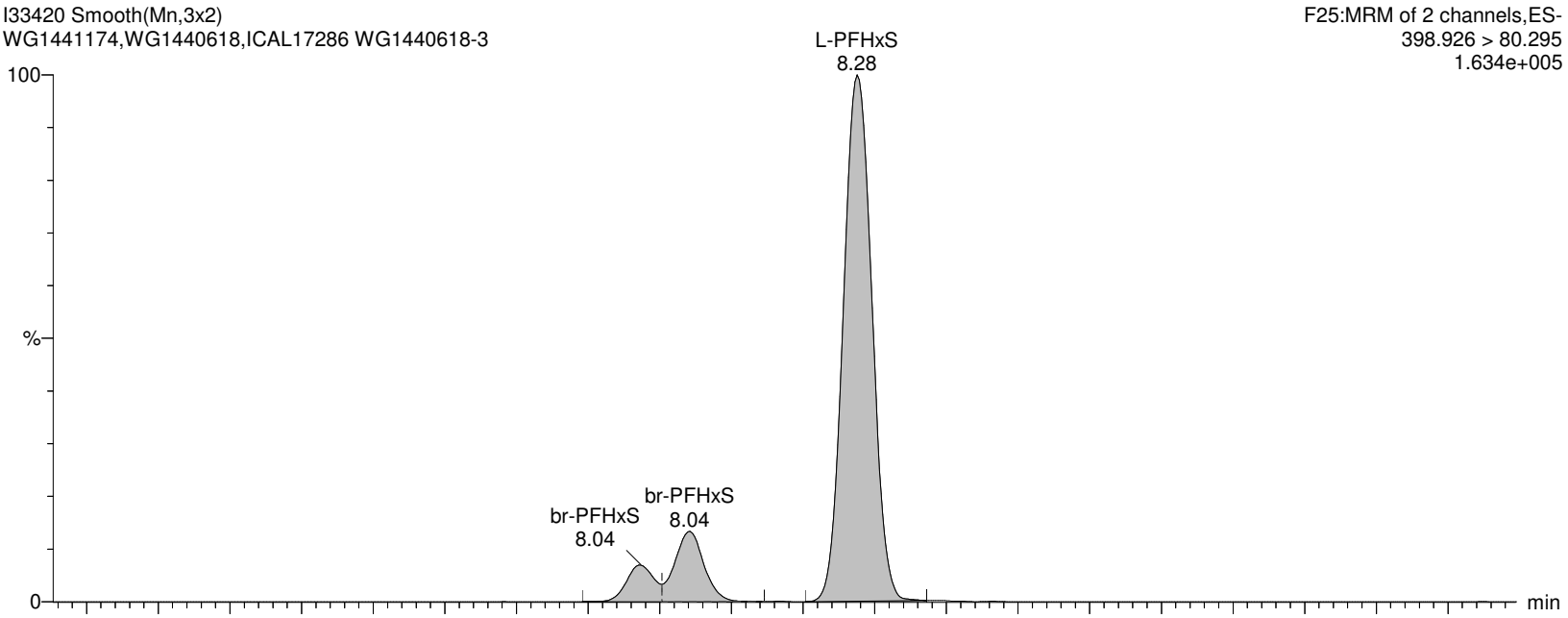

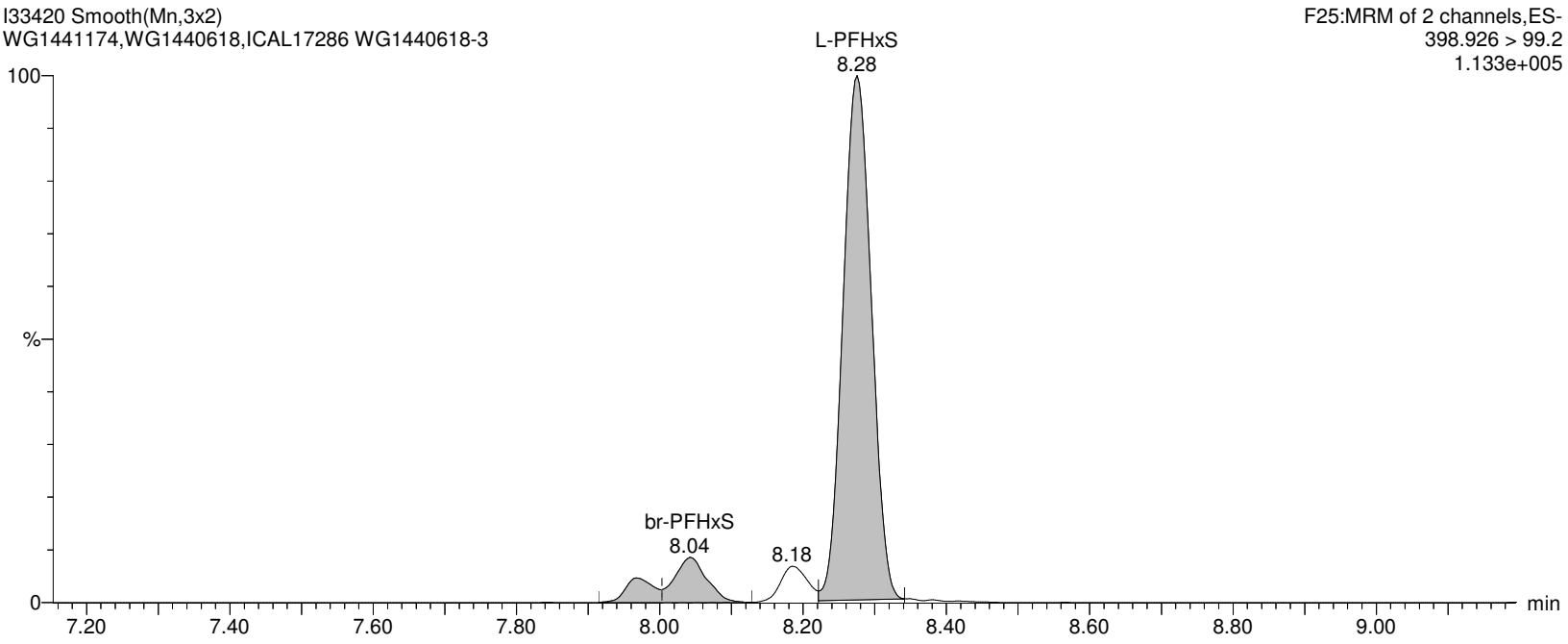

all concentration units in (ng/mL)

Alpha Analytical Inc.
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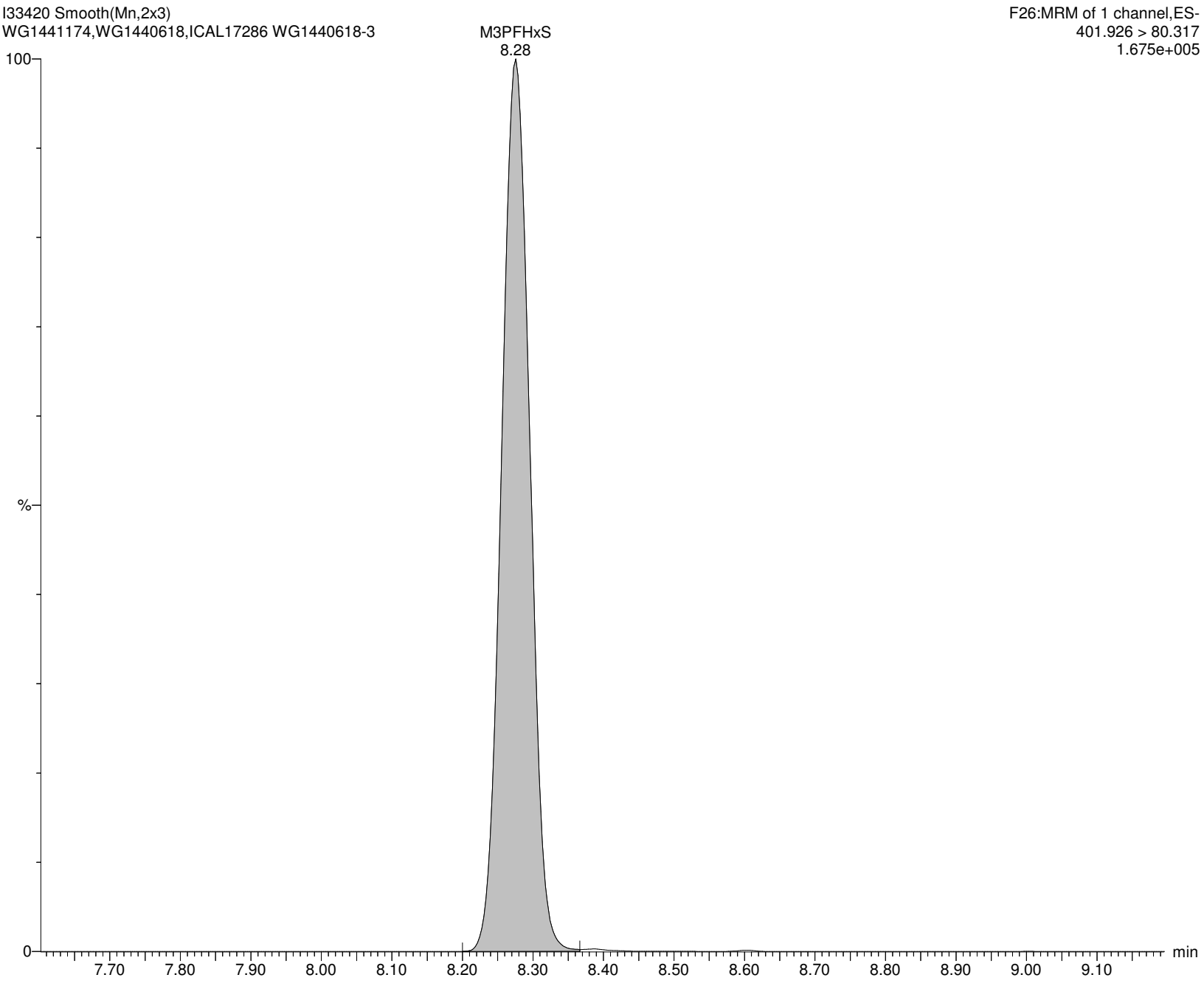

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
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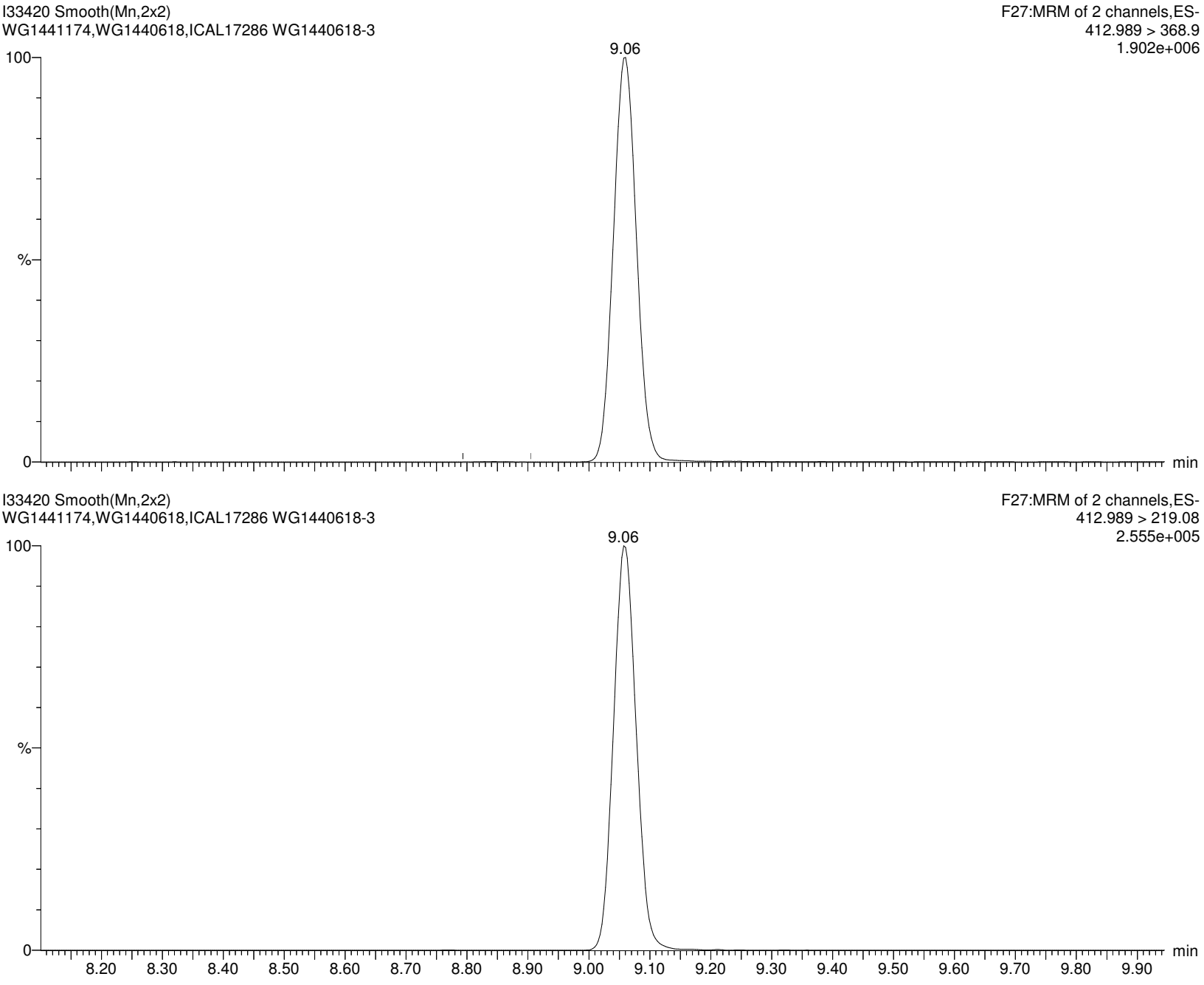

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
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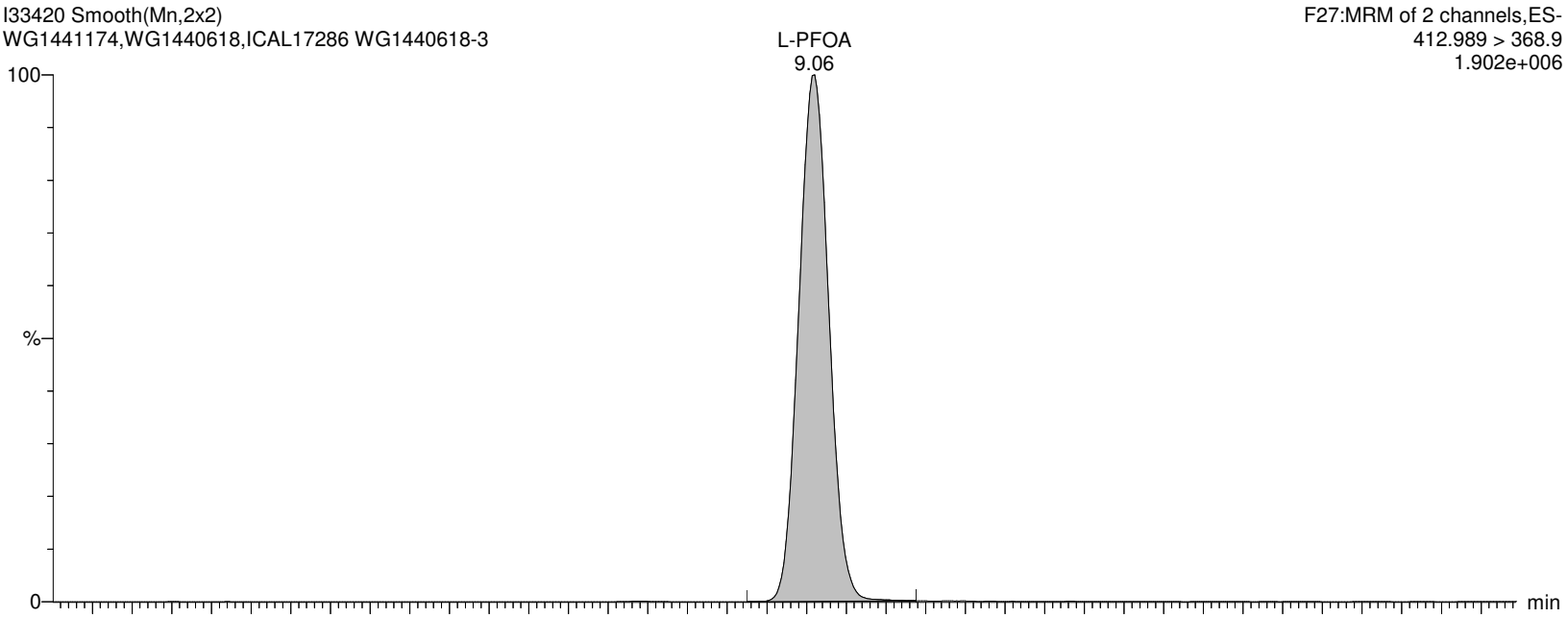

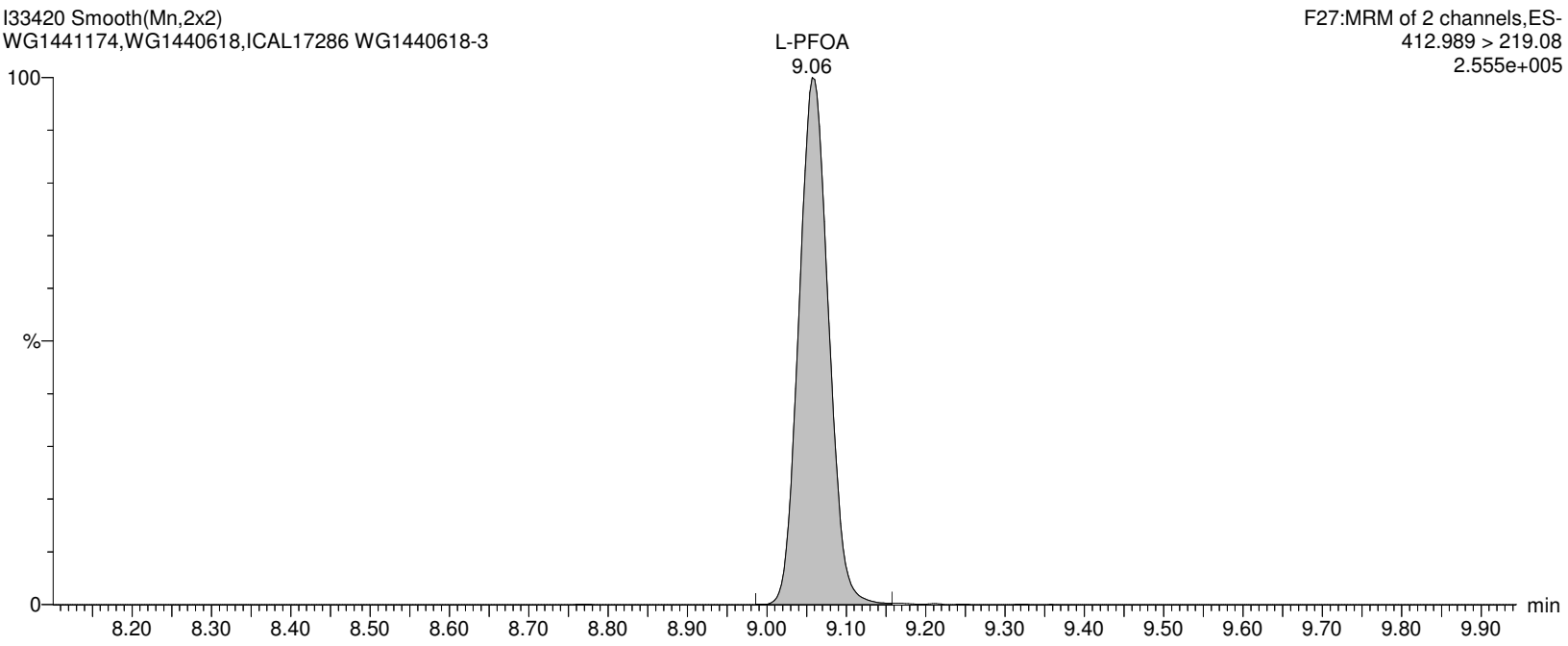

all concentration units in (ng/mL)

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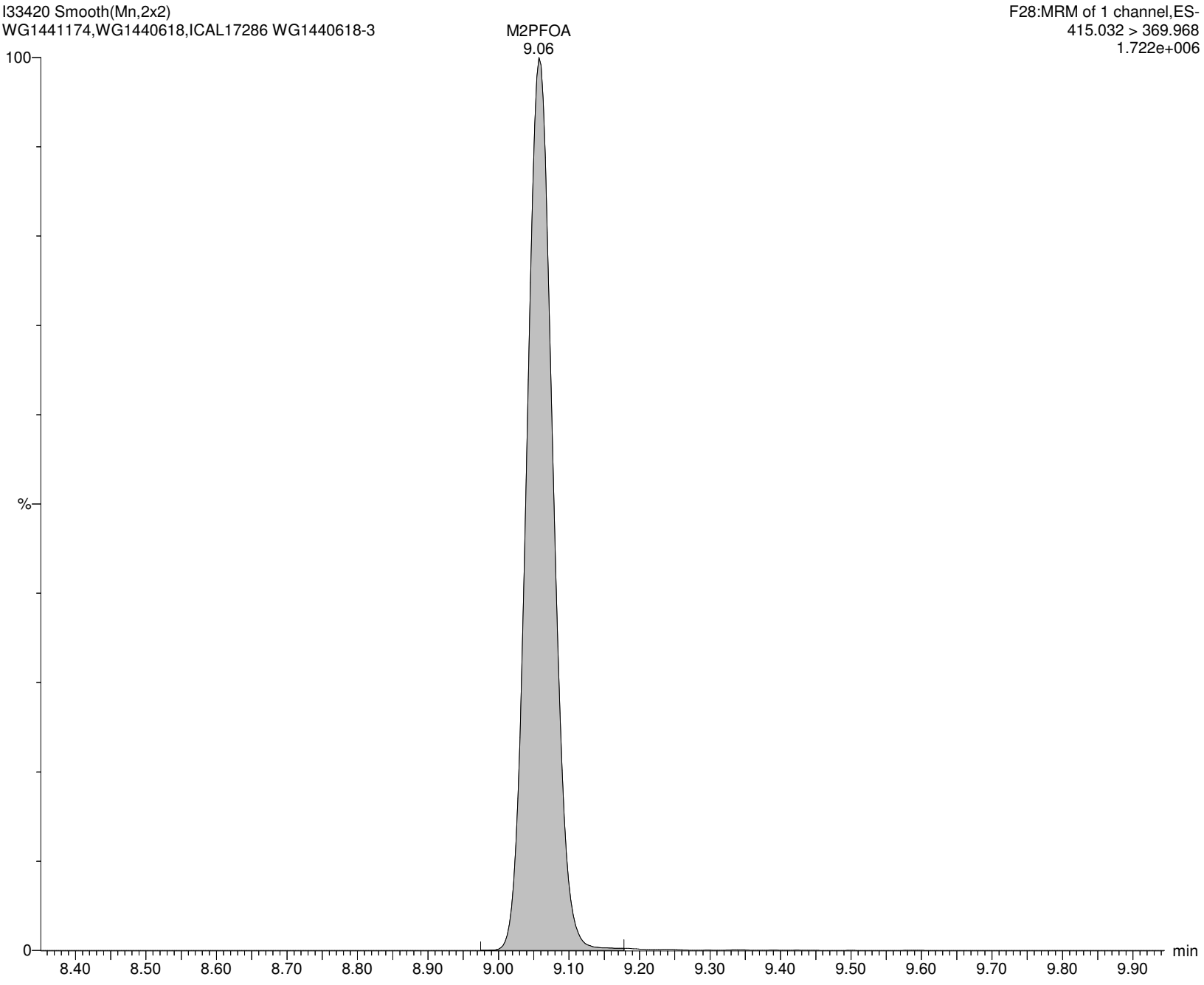

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
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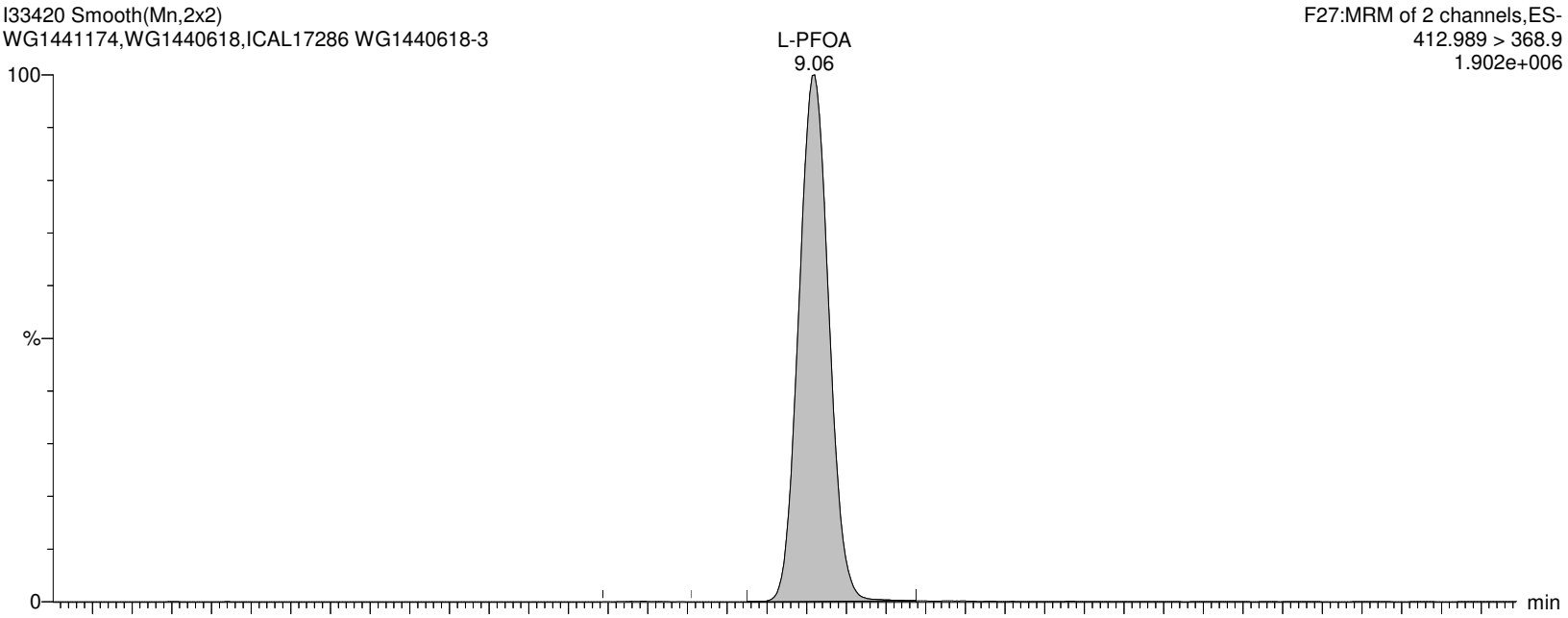

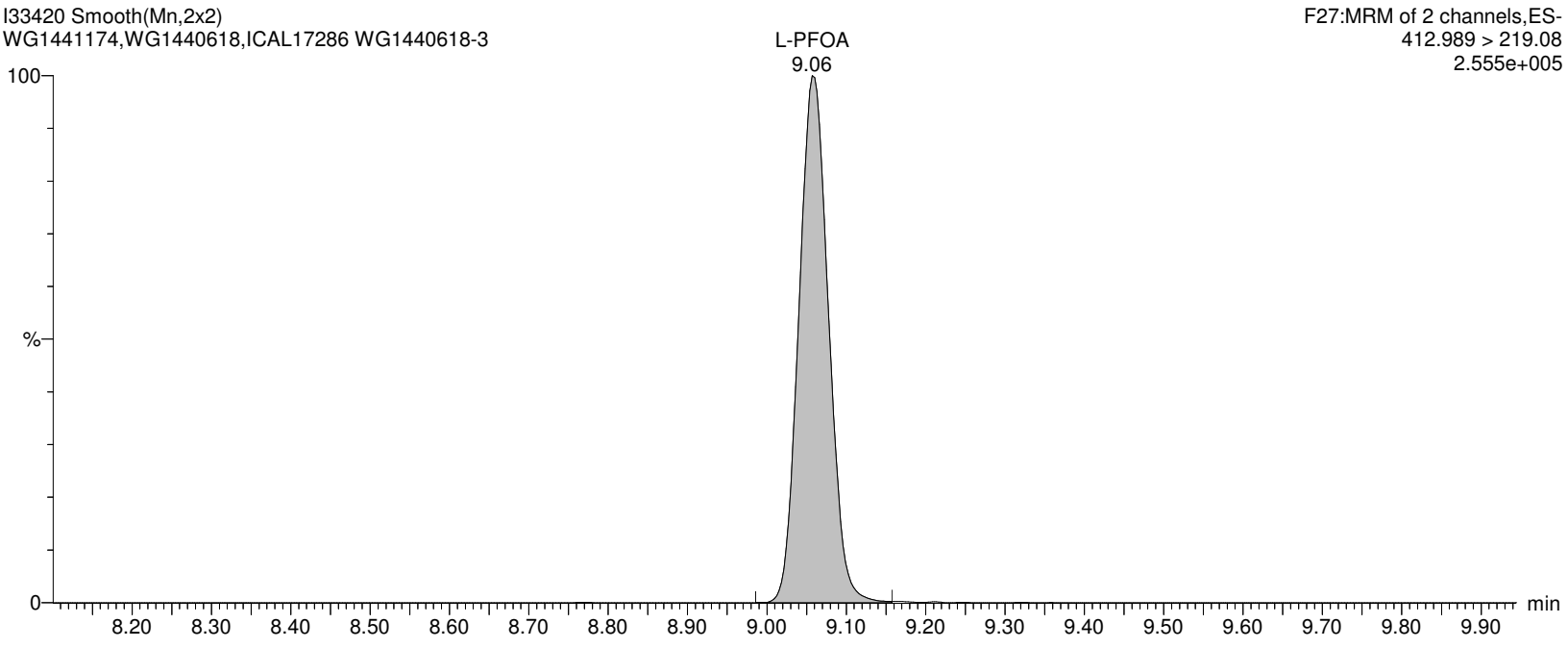

all concentration units in (ng/mL)

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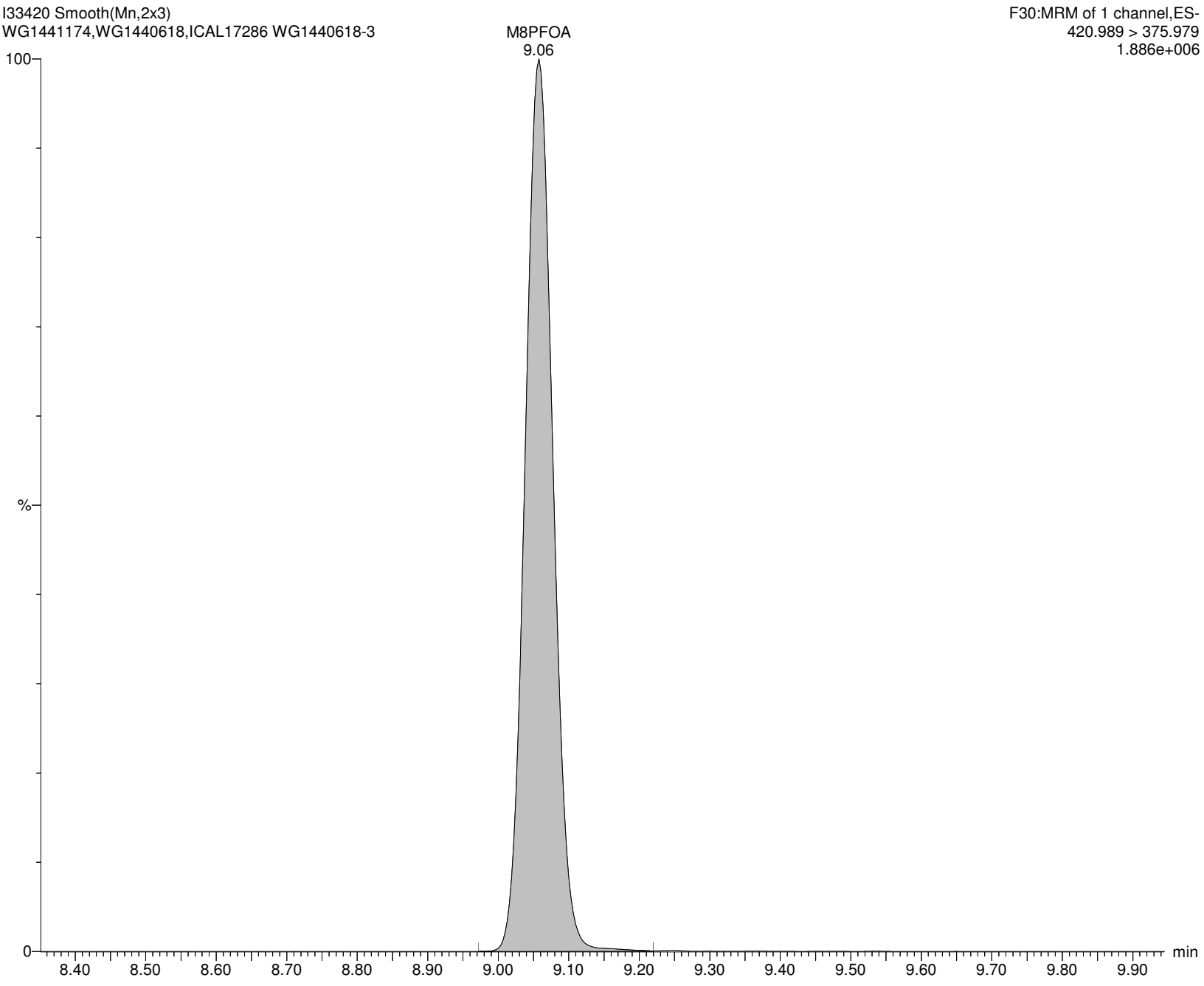

all concentration units in (ng/mL)

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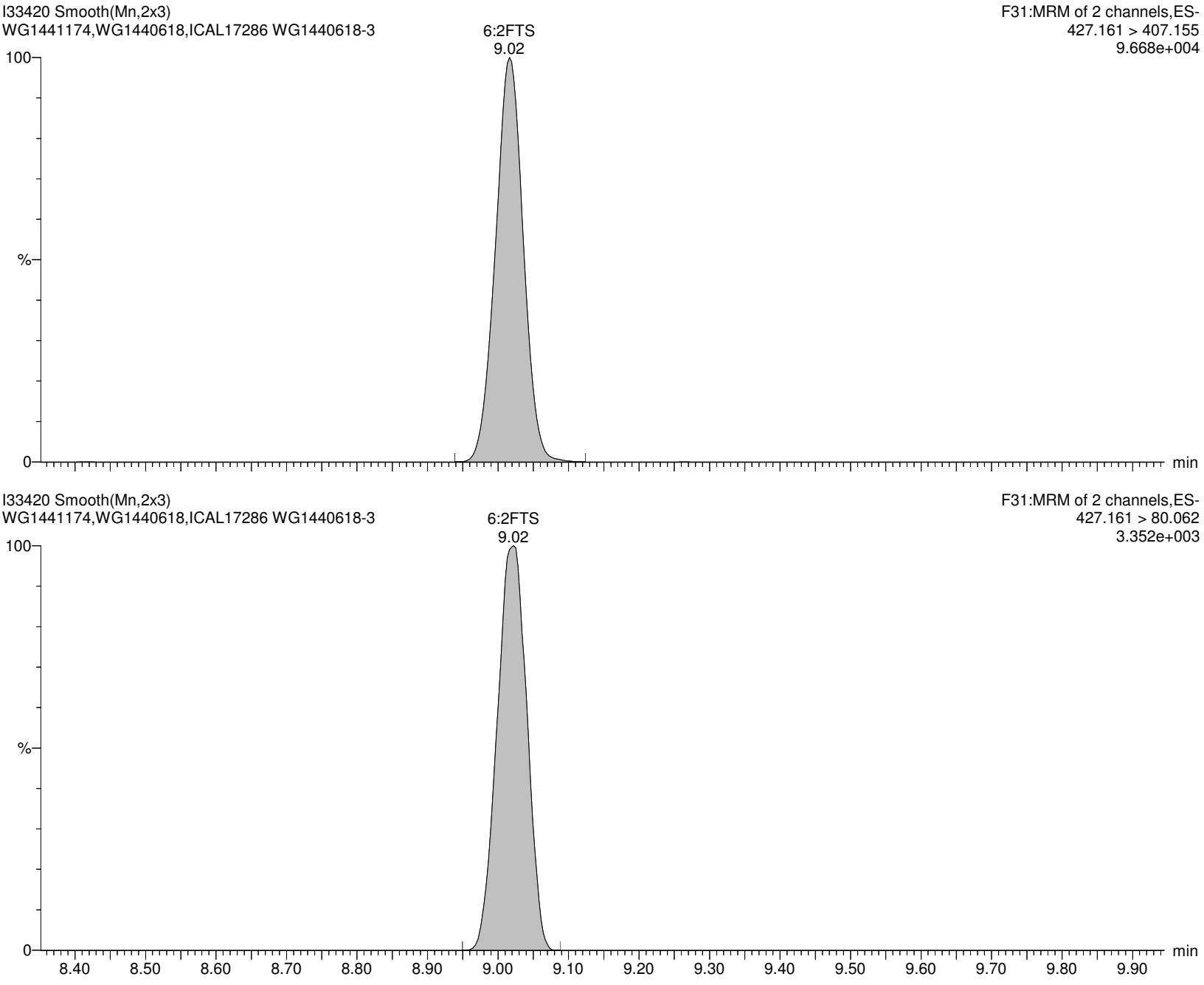
6:2FTS



all concentration units in (ng/mL)

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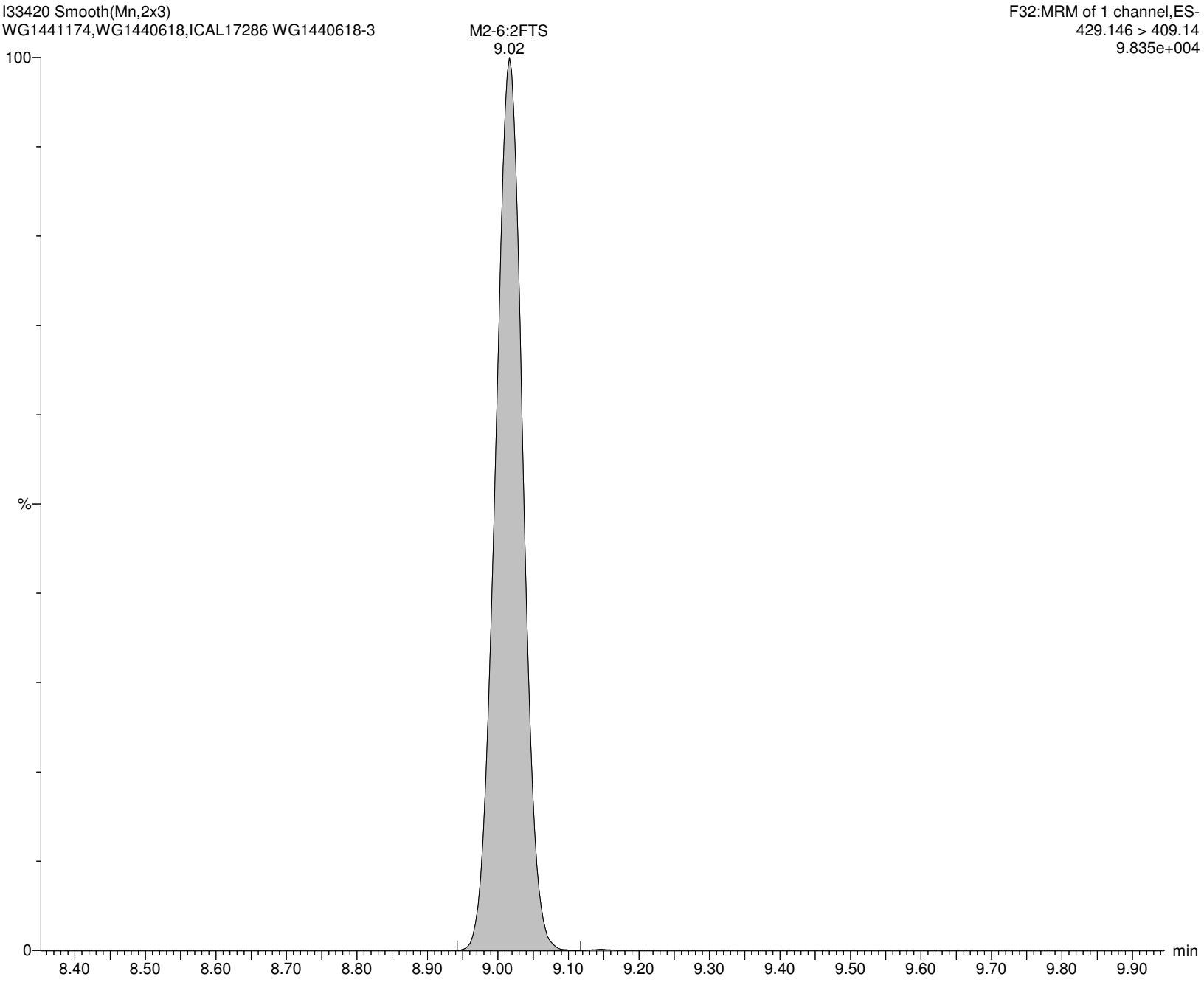

all concentration units in (ng/mL)

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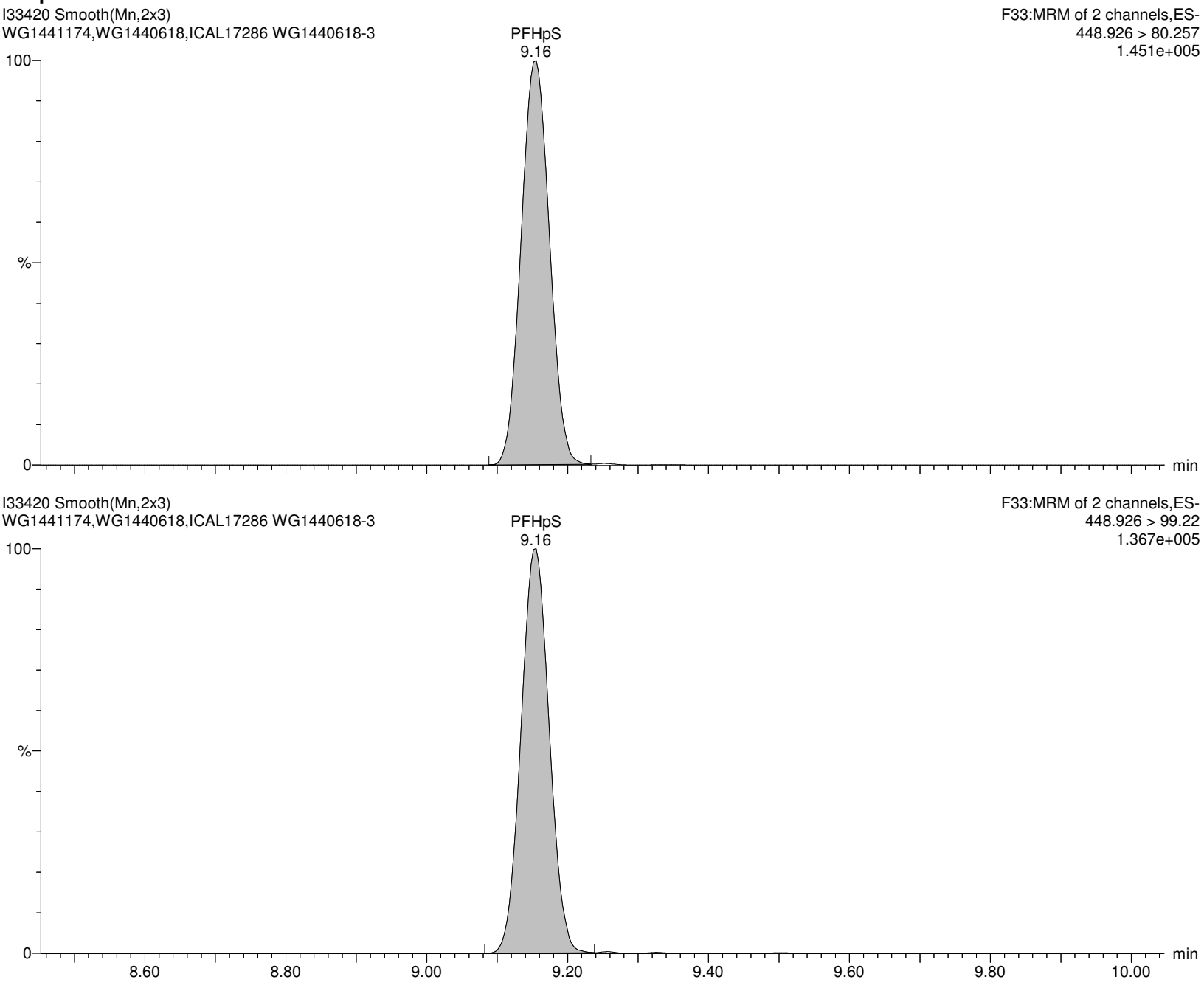
PFHpS



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
Last Altered: Sunday, December 06, 2020 22:56:32 Eastern Standard Time
Printed: Sunday, December 06, 2020 22:59:40 Eastern Standard Time

Name: I33420
ID: WG1440618-3
Date: 04-Dec-2020
Time: 17:02:05
Description: WG1441174,WG1440618,ICAL17286
User: LCMS02:JW
Vial: 1:D,2
Instrument: XEVO-TQSmicro#QEB0050
Inlet Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\200520_TUNE.IPR
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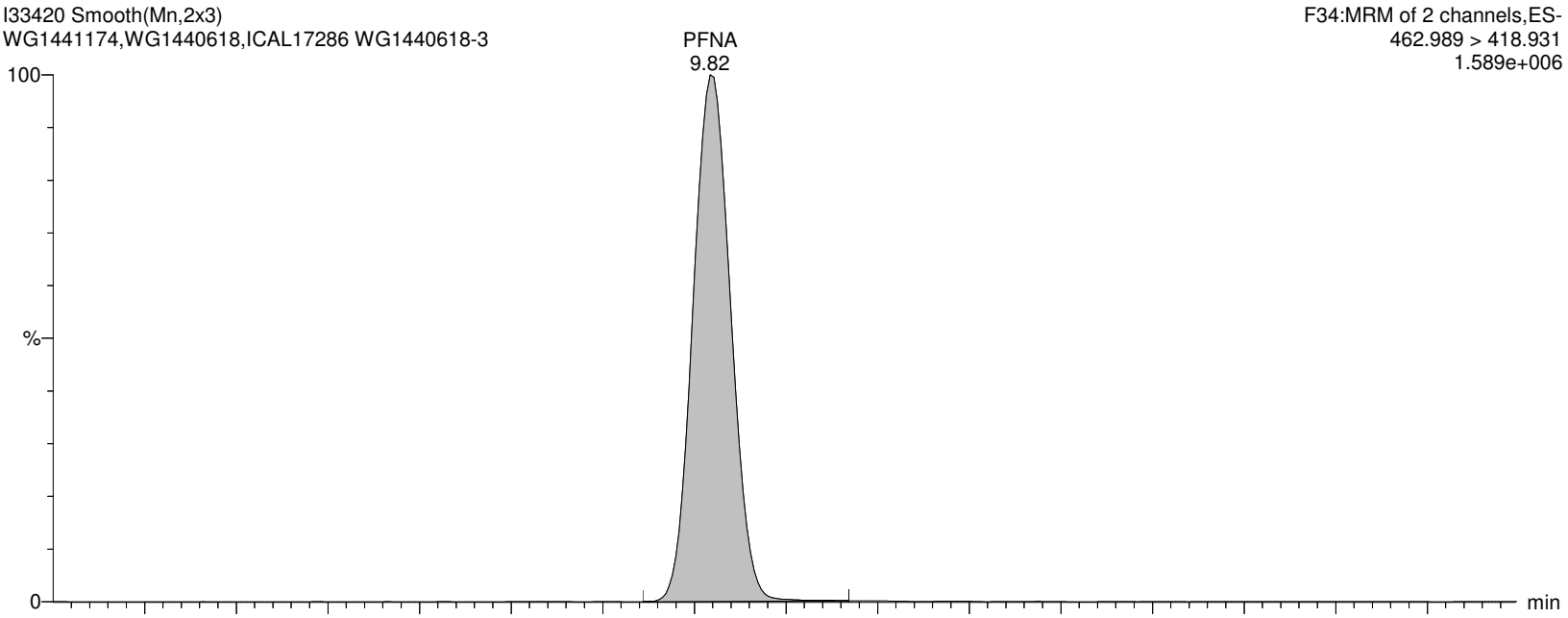

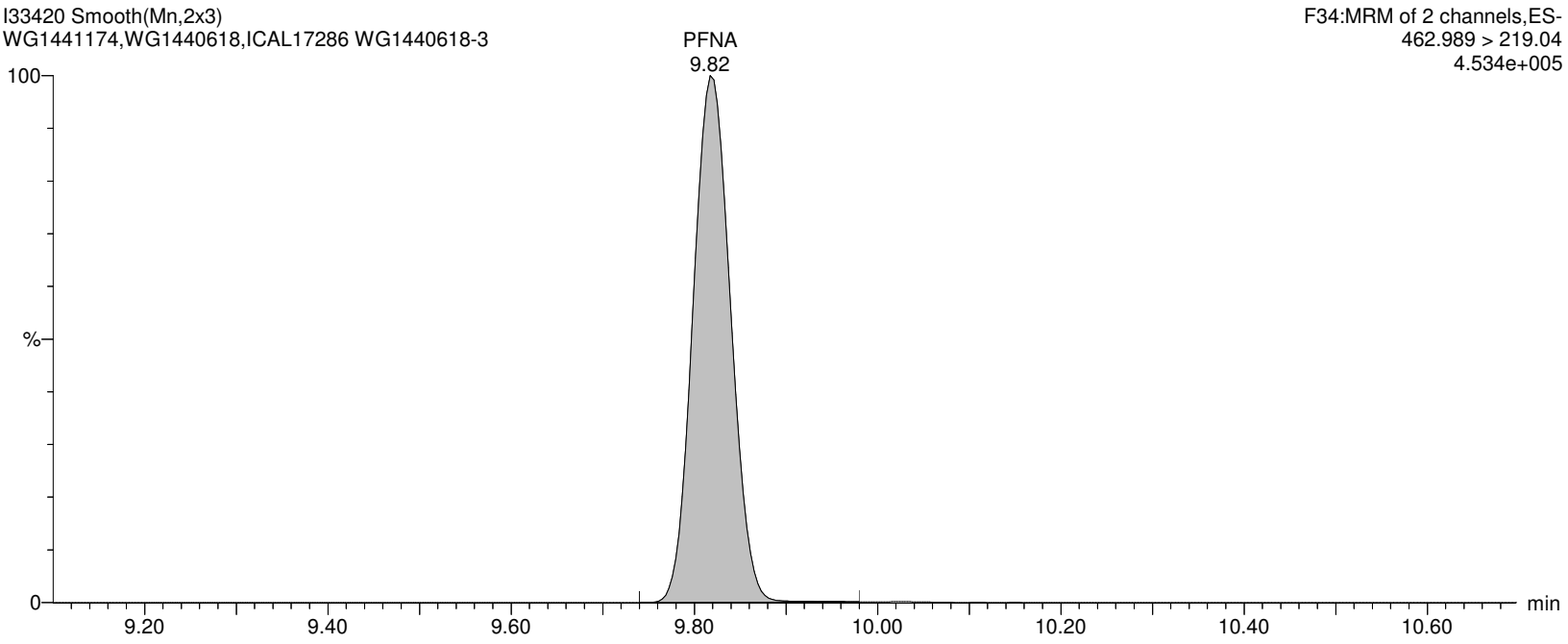

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
Last Altered: Sunday, December 06, 2020 22:56:32 Eastern Standard Time
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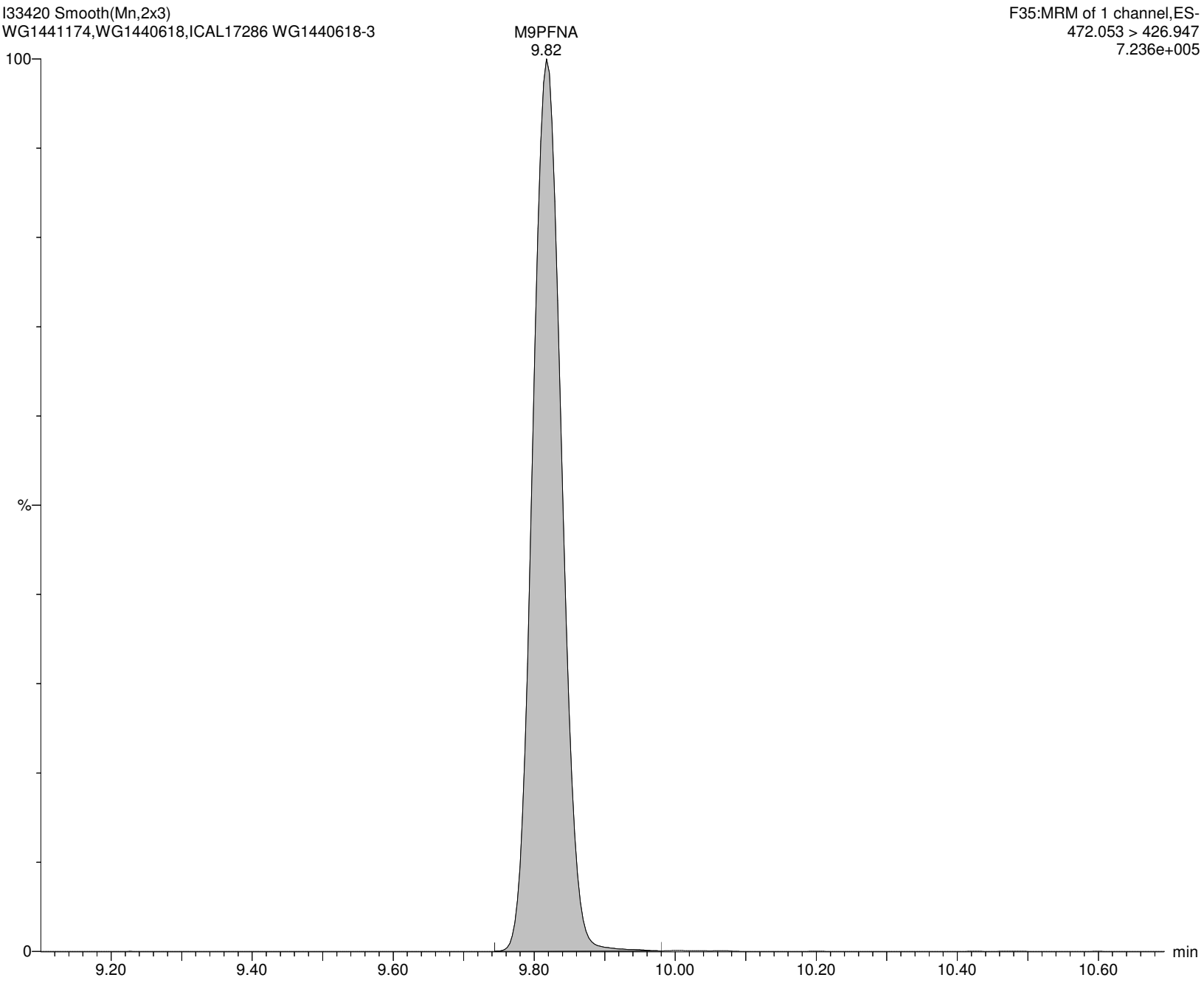

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
Last Altered: Sunday, December 06, 2020 22:56:32 Eastern Standard Time
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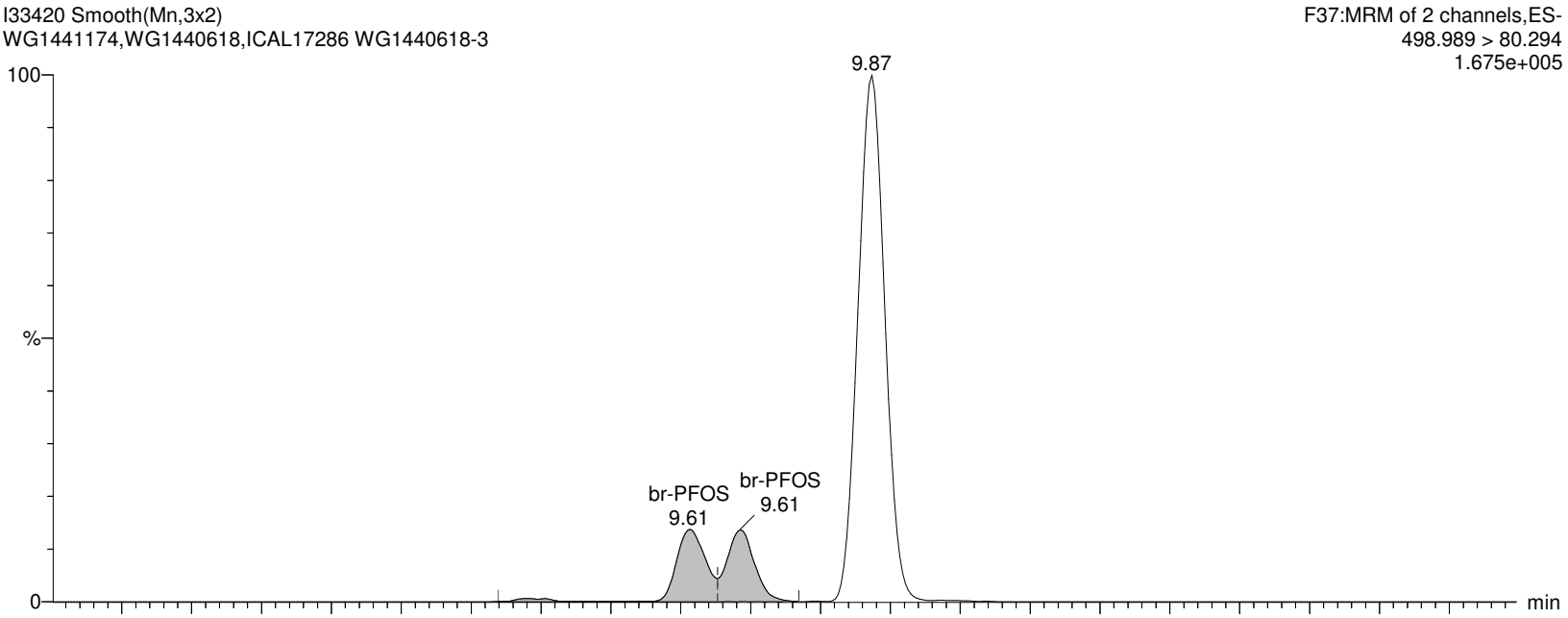

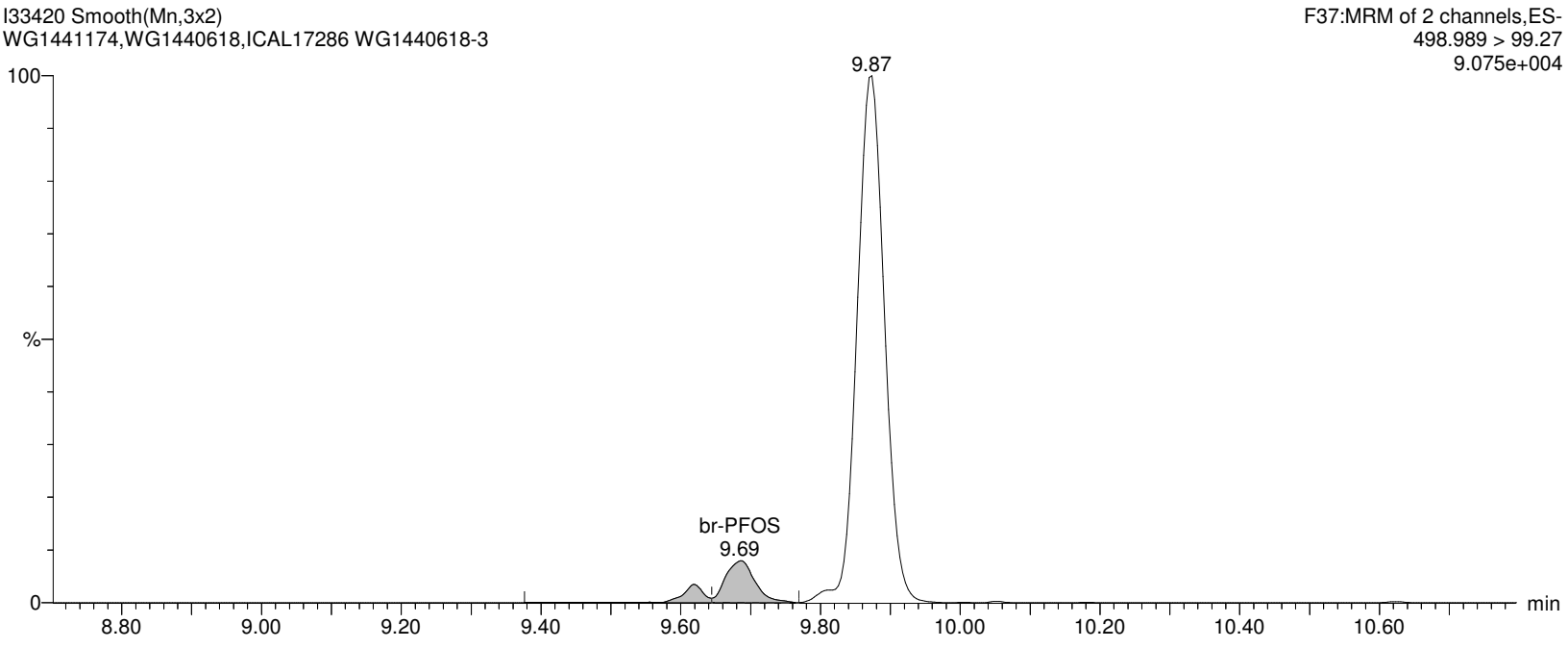

all concentration units in (ng/mL)

Alpha Analytical Inc.
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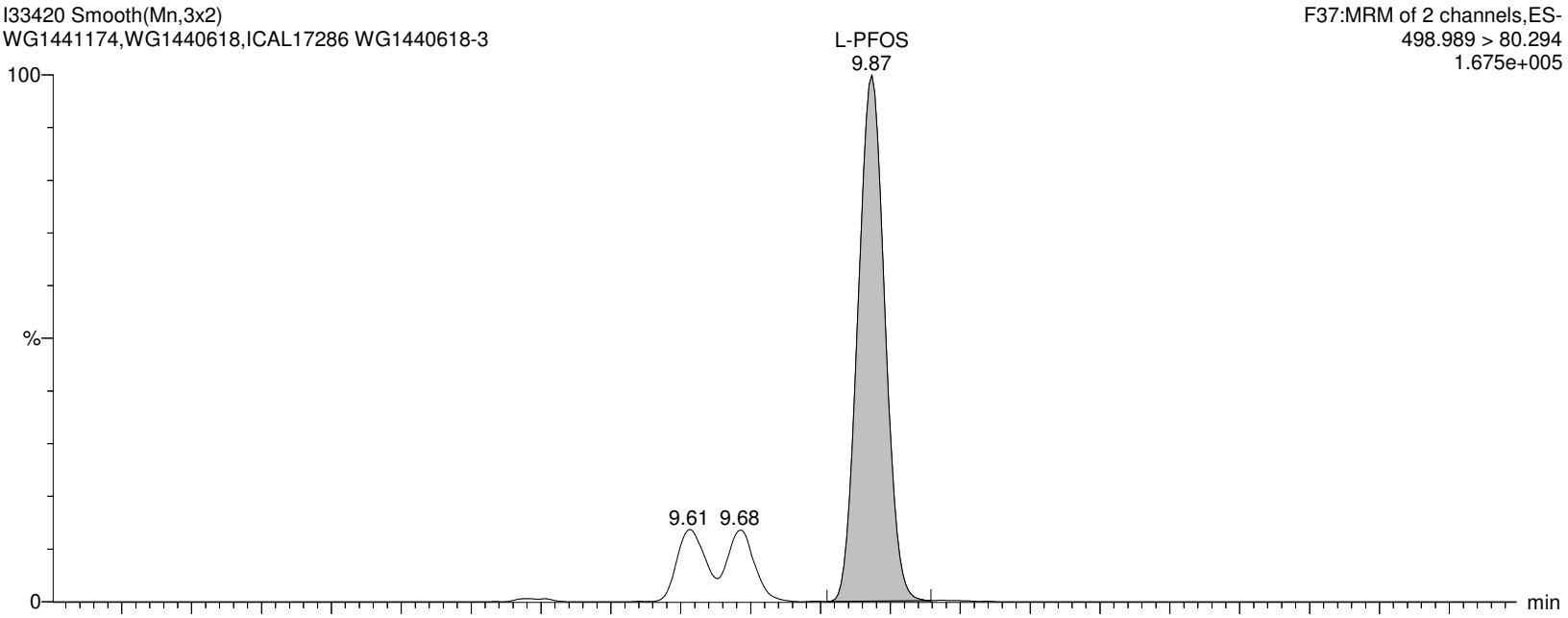

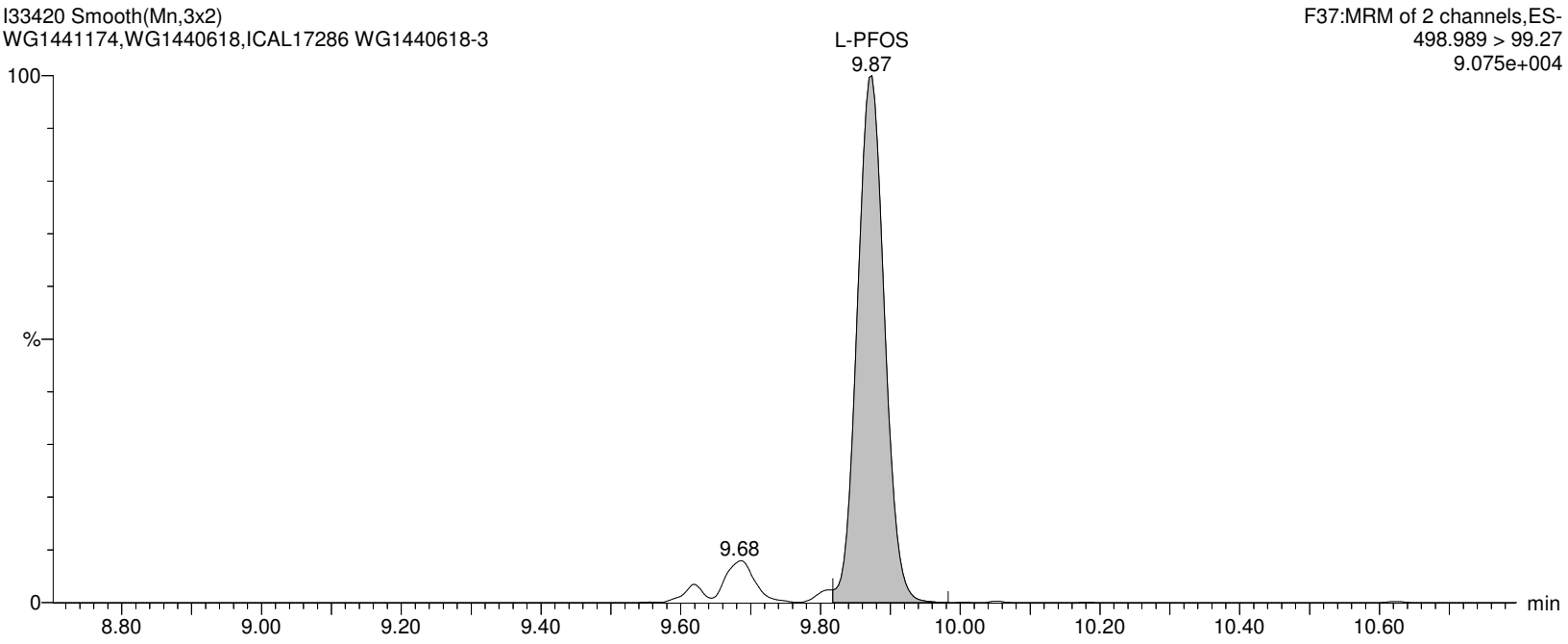

all concentration units in (ng/mL)

Alpha Analytical Inc.
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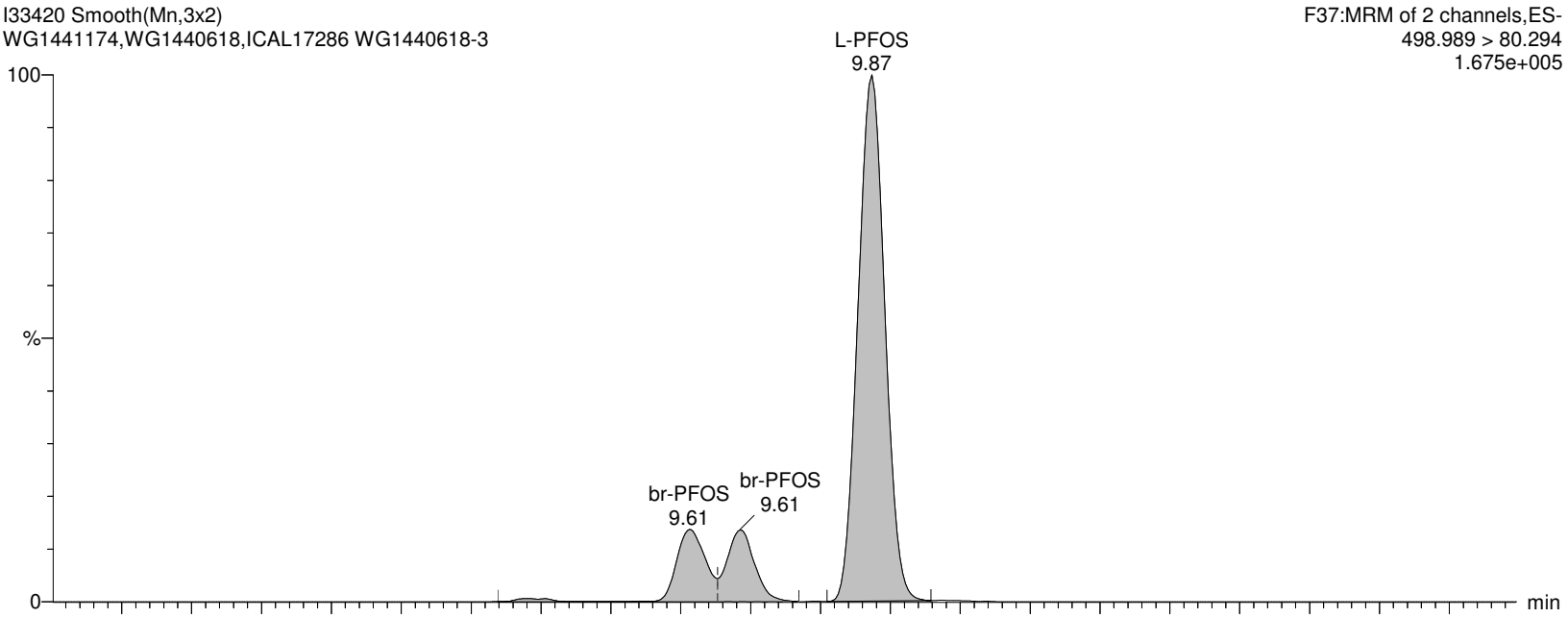
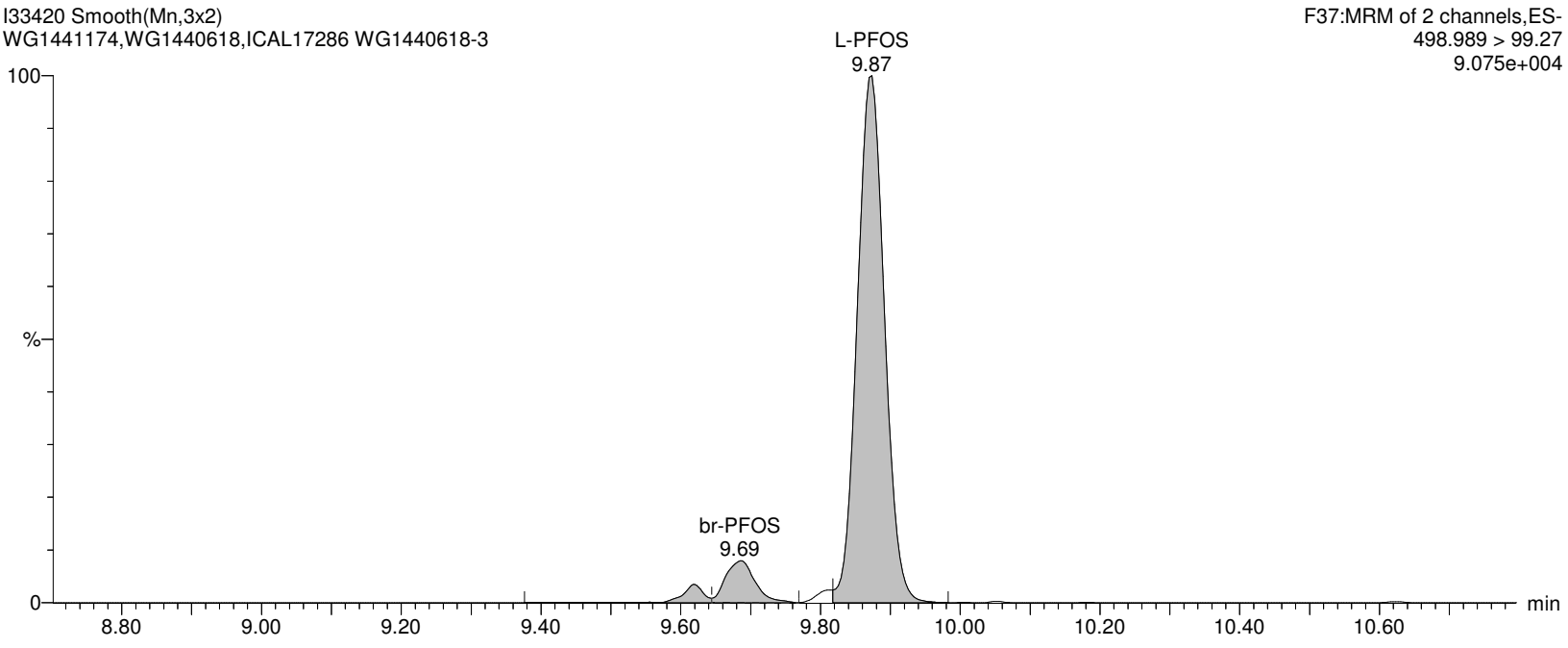
PFOS





all concentration units in (ng/mL)

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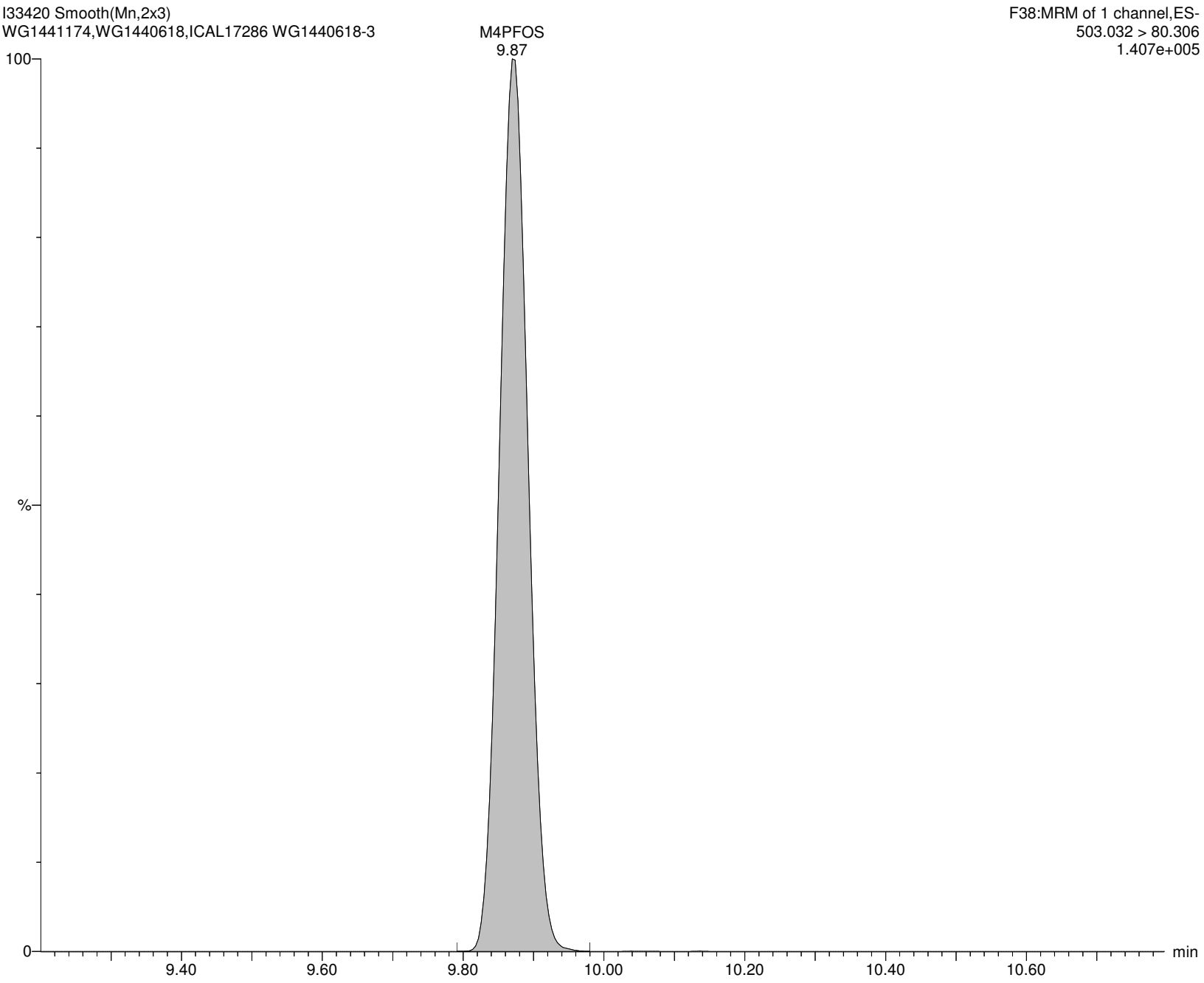

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
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Vial: 1:D,2
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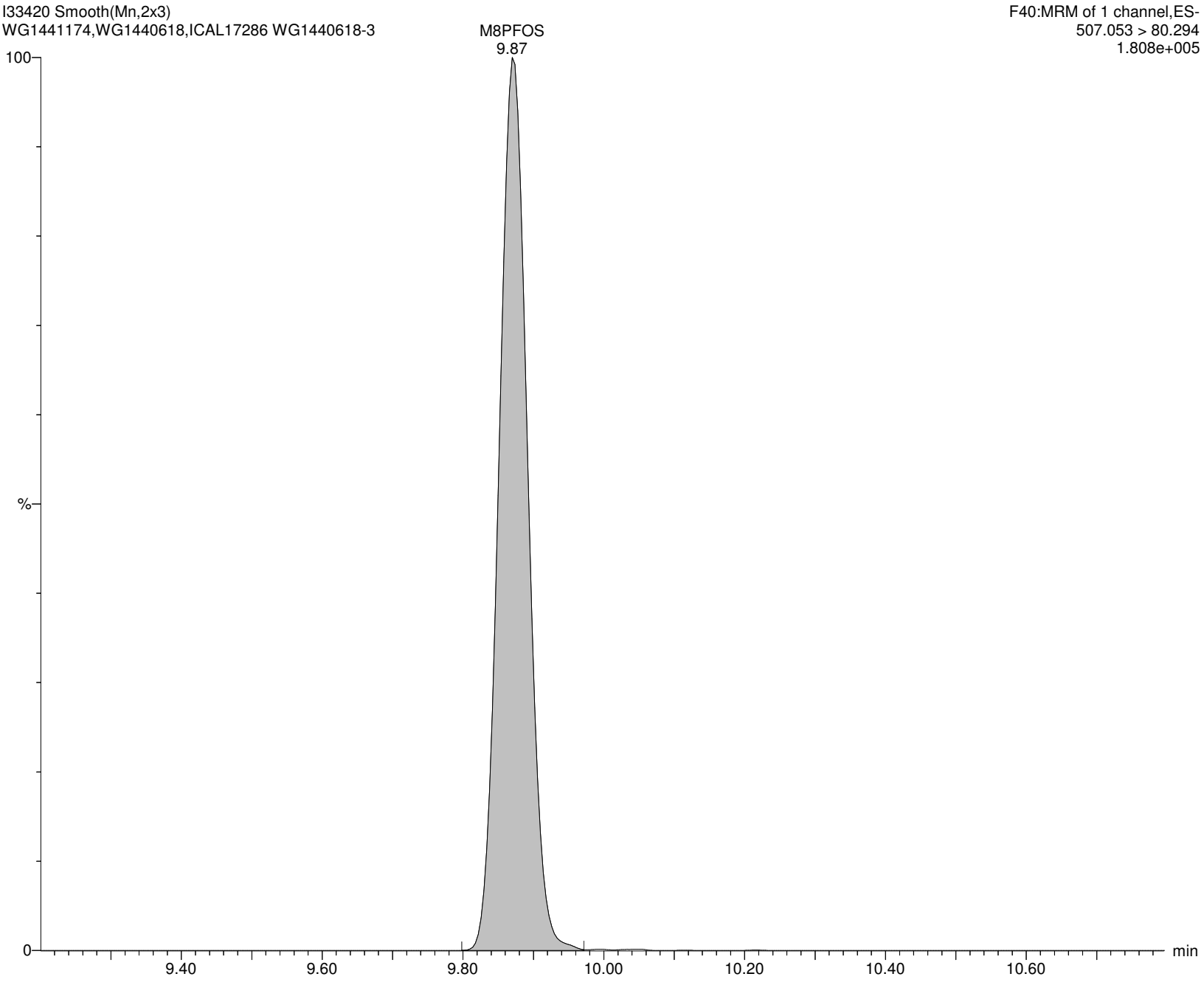
M8PFOS



all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
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User: LCMS02:JW
Vial: 1:D,2
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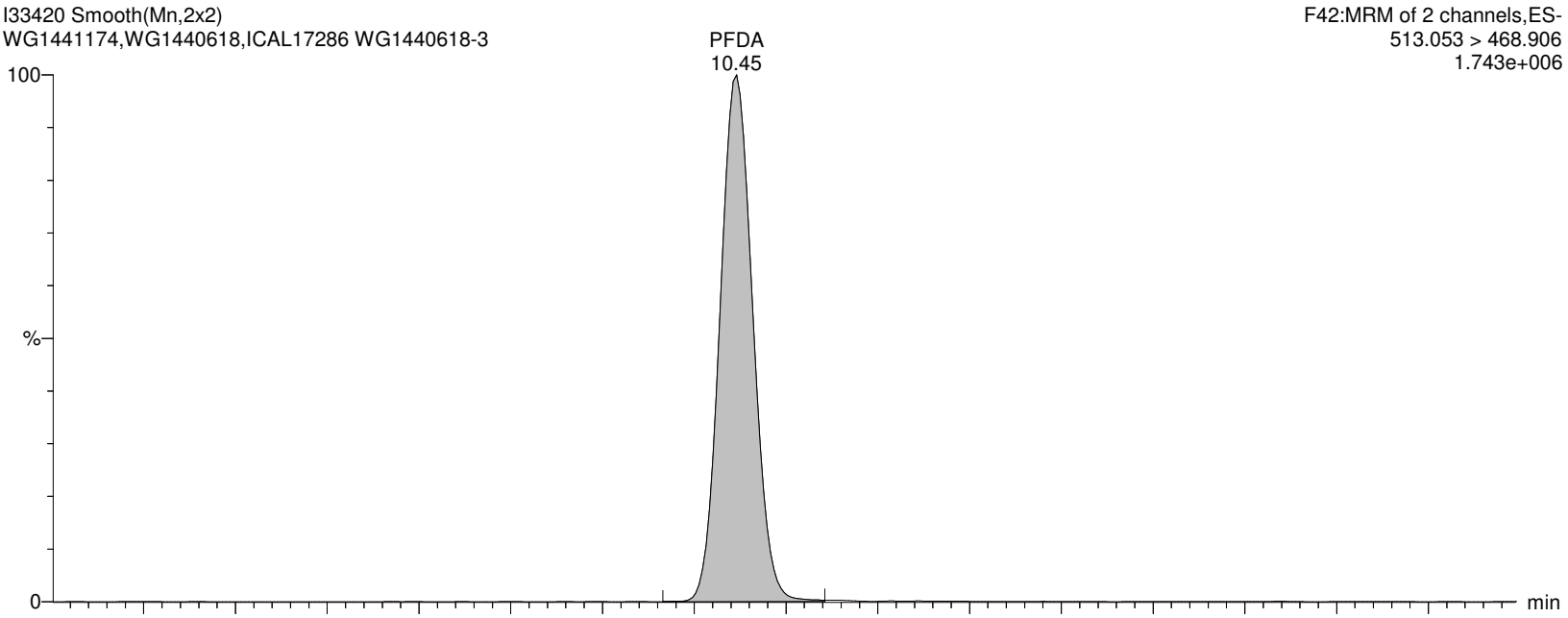

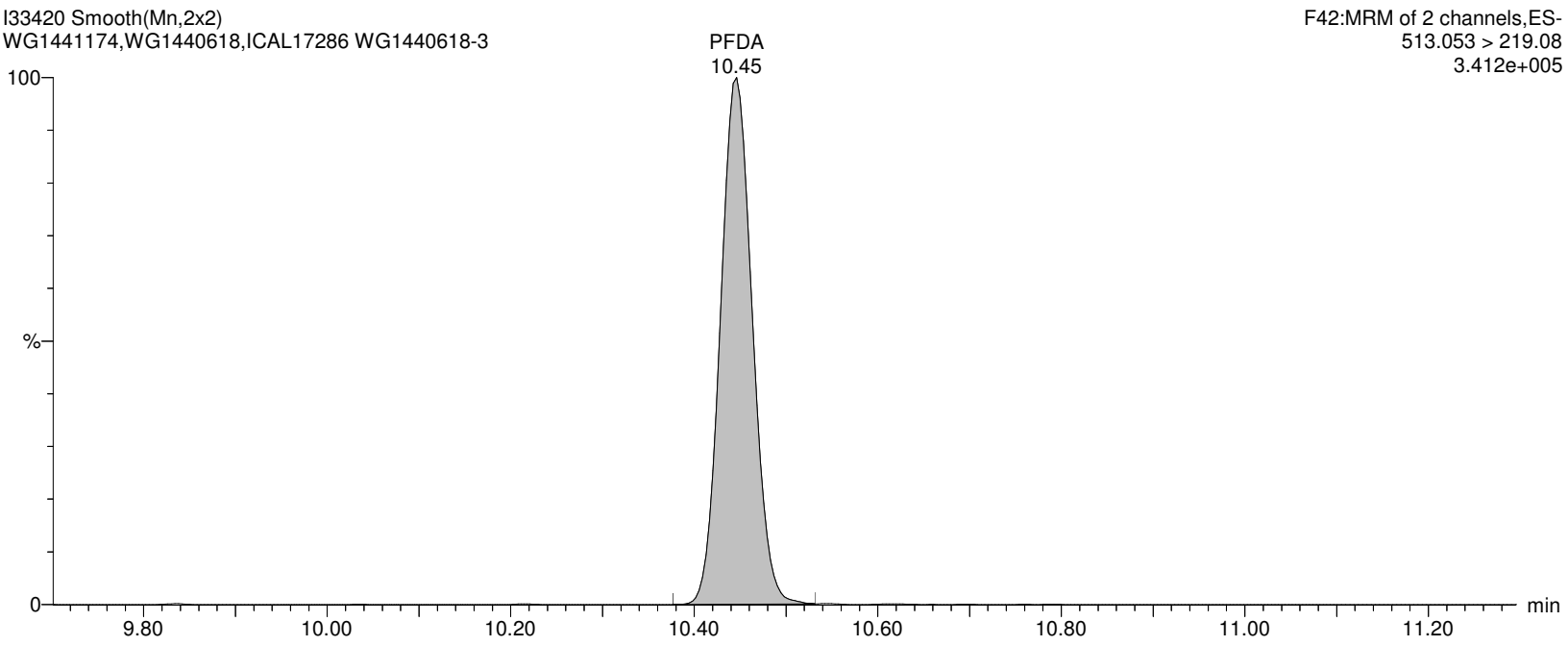

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
Last Altered: Sunday, December 06, 2020 22:56:32 Eastern Standard Time
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Name: I33420
ID: WG1440618-3
Date: 04-Dec-2020
Time: 17:02:05
Description: WG1441174,WG1440618,ICAL17286
User: LCMS02:JW
Vial: 1:D,2
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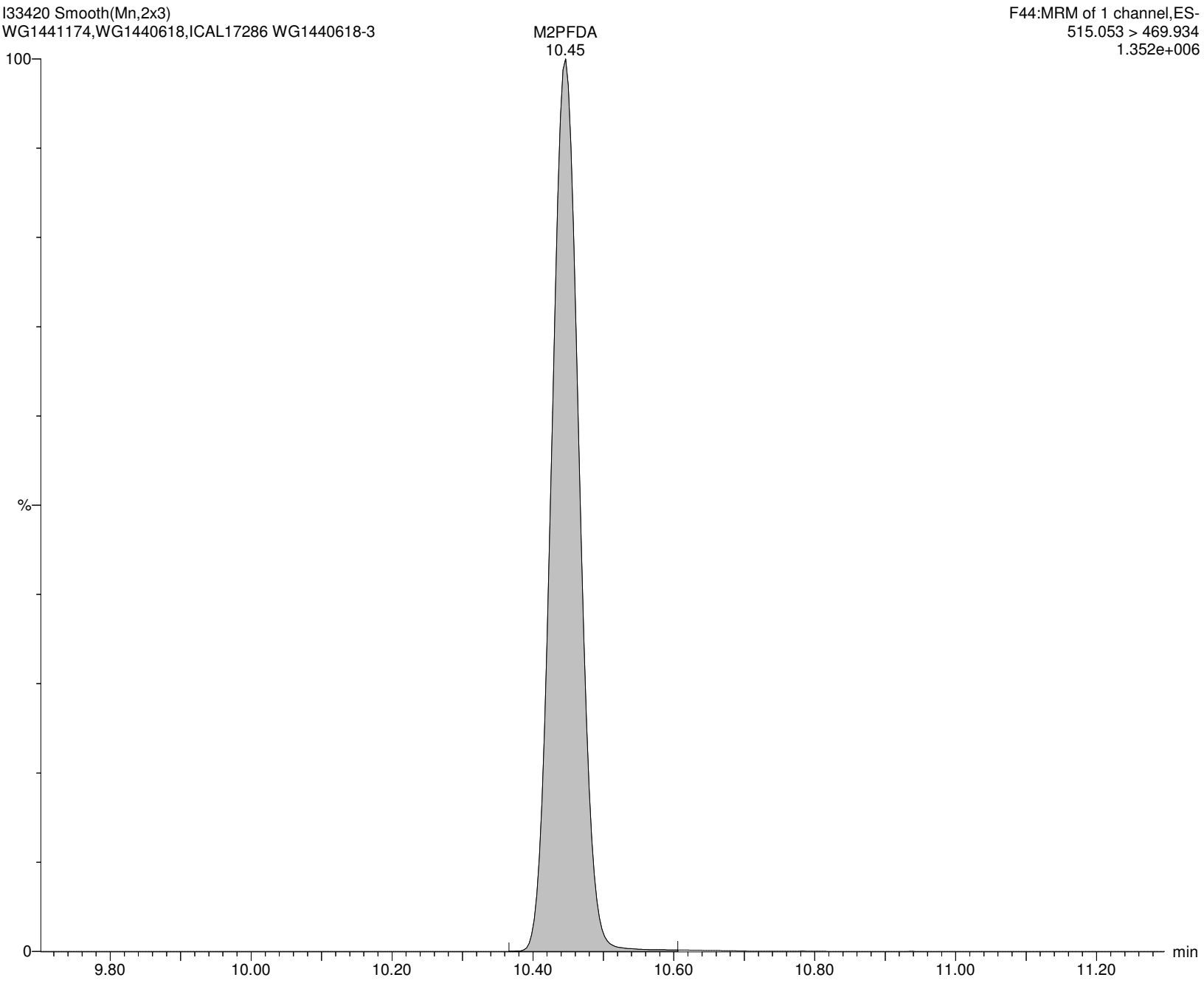

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
Last Altered: Sunday, December 06, 2020 22:56:32 Eastern Standard Time
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Name: I33420
ID: WG1440618-3
Date: 04-Dec-2020
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Description: WG1441174,WG1440618,ICAL17286
User: LCMS02:JW
Vial: 1:D,2
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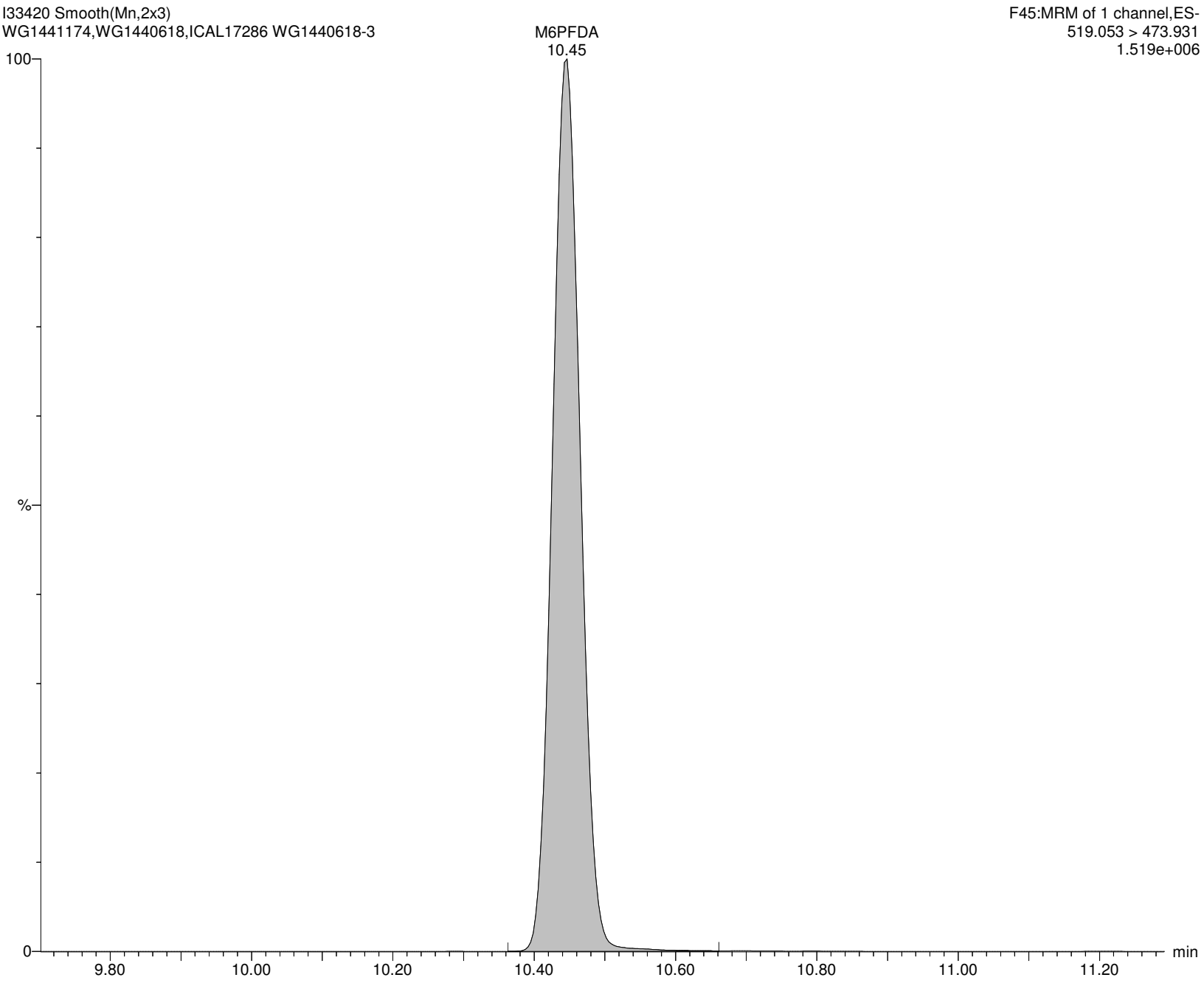

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
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Vial: 1:D,2
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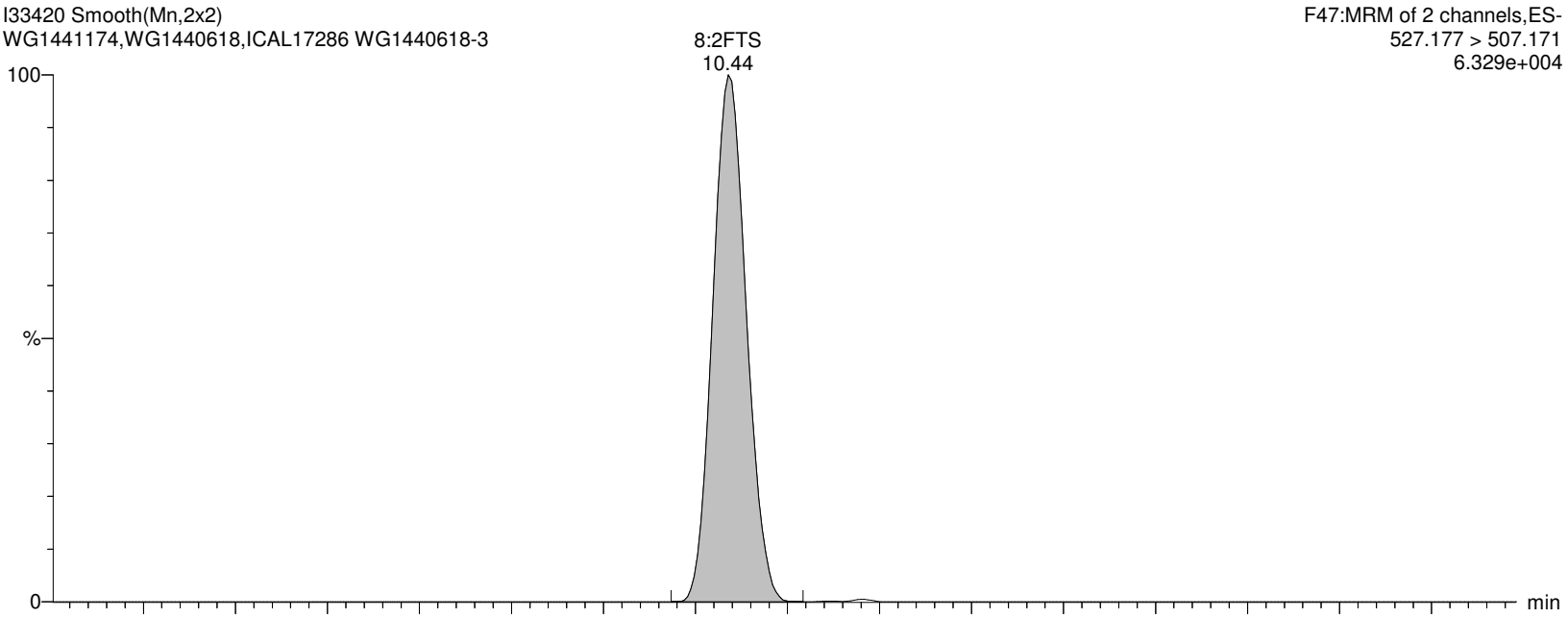
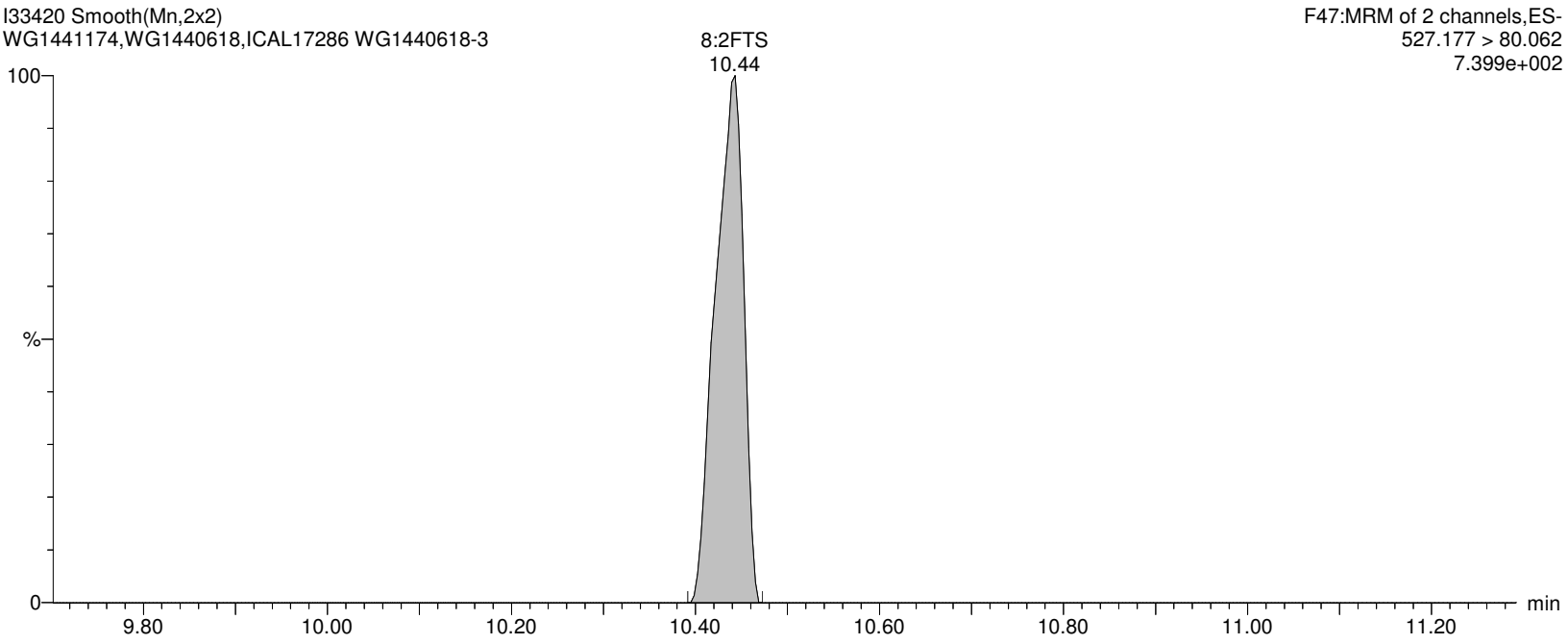
8:2FTS





all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
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Vial: 1:D,2
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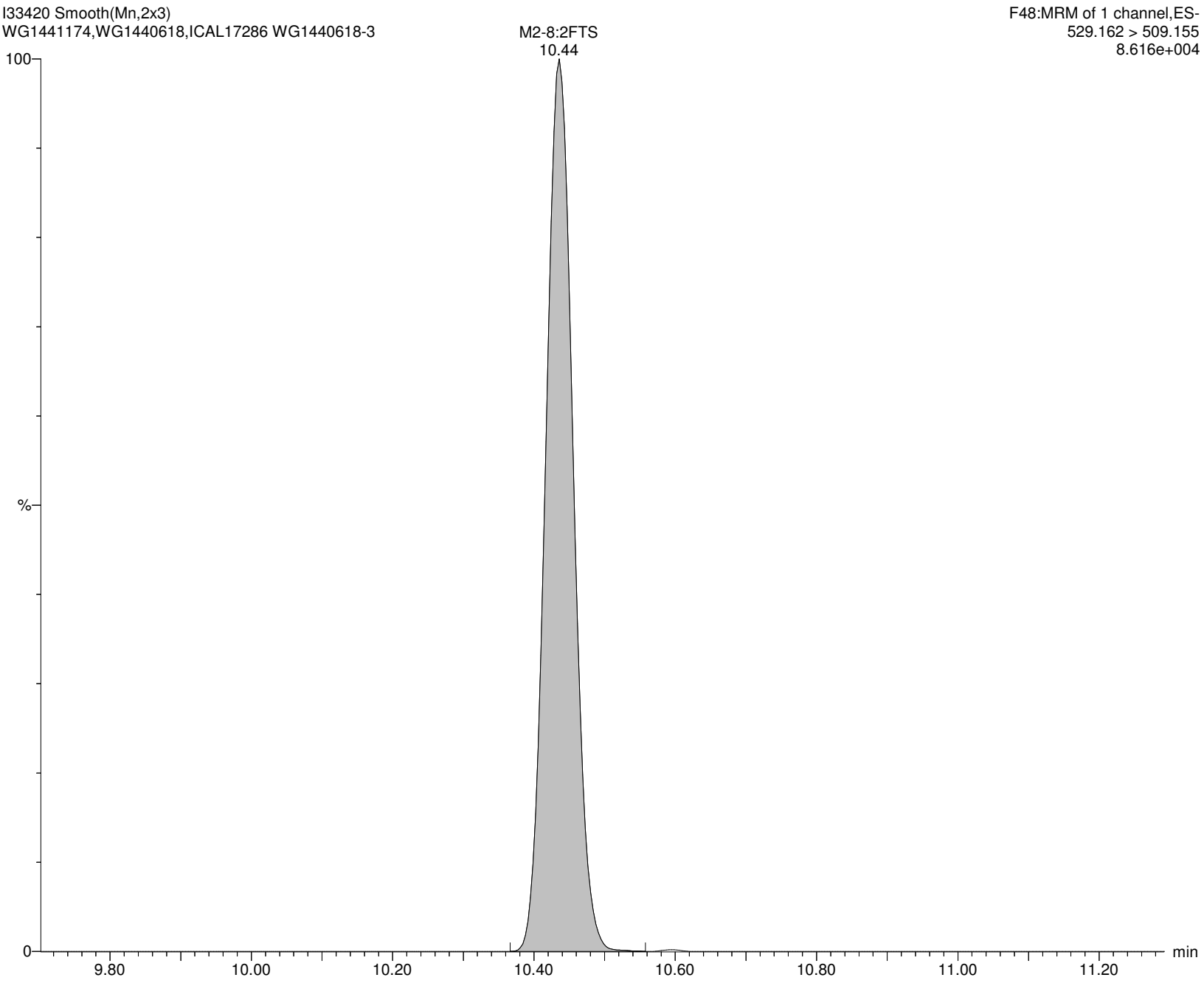

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
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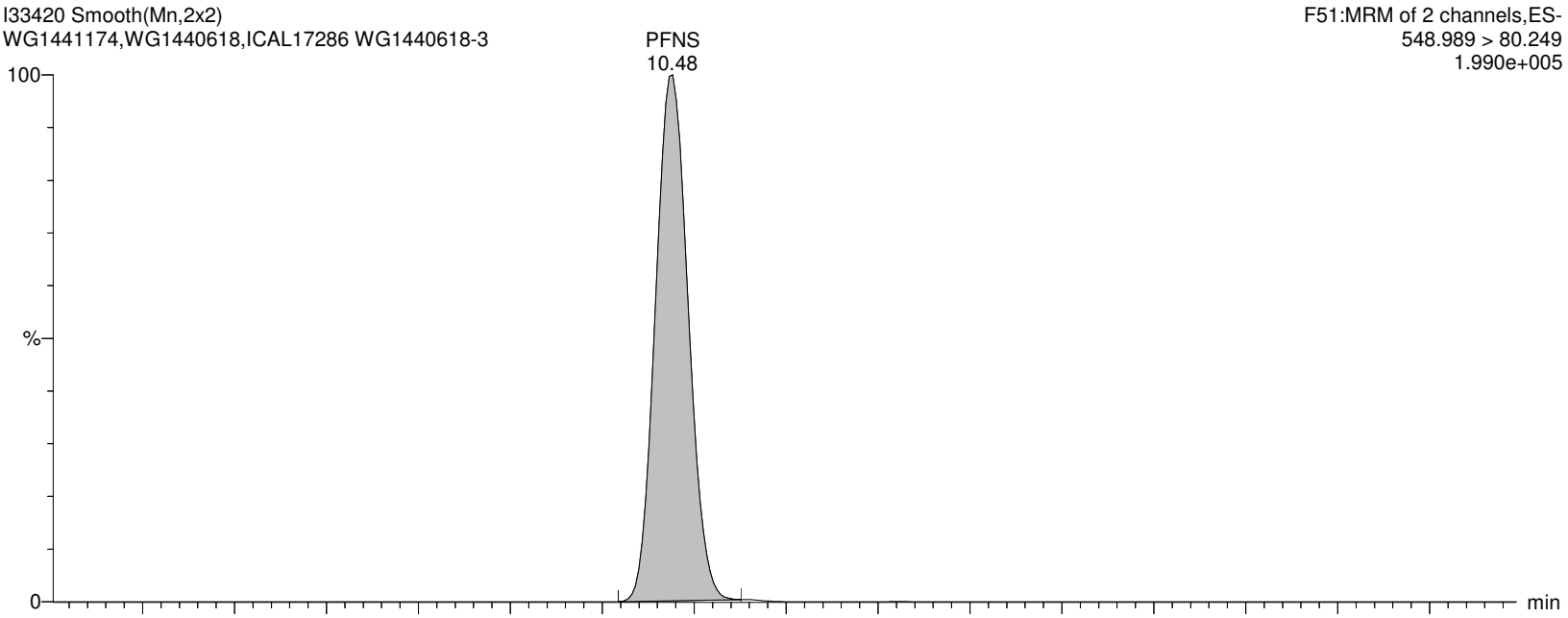

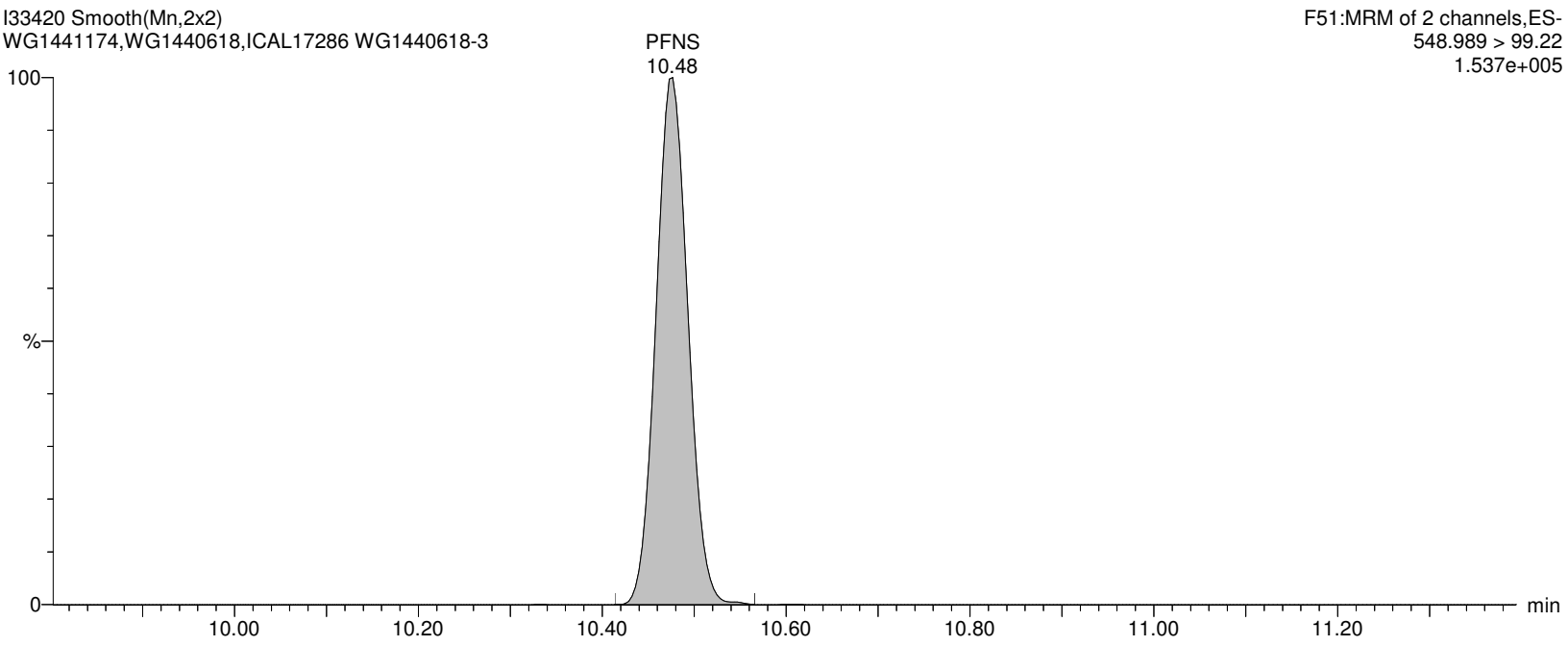

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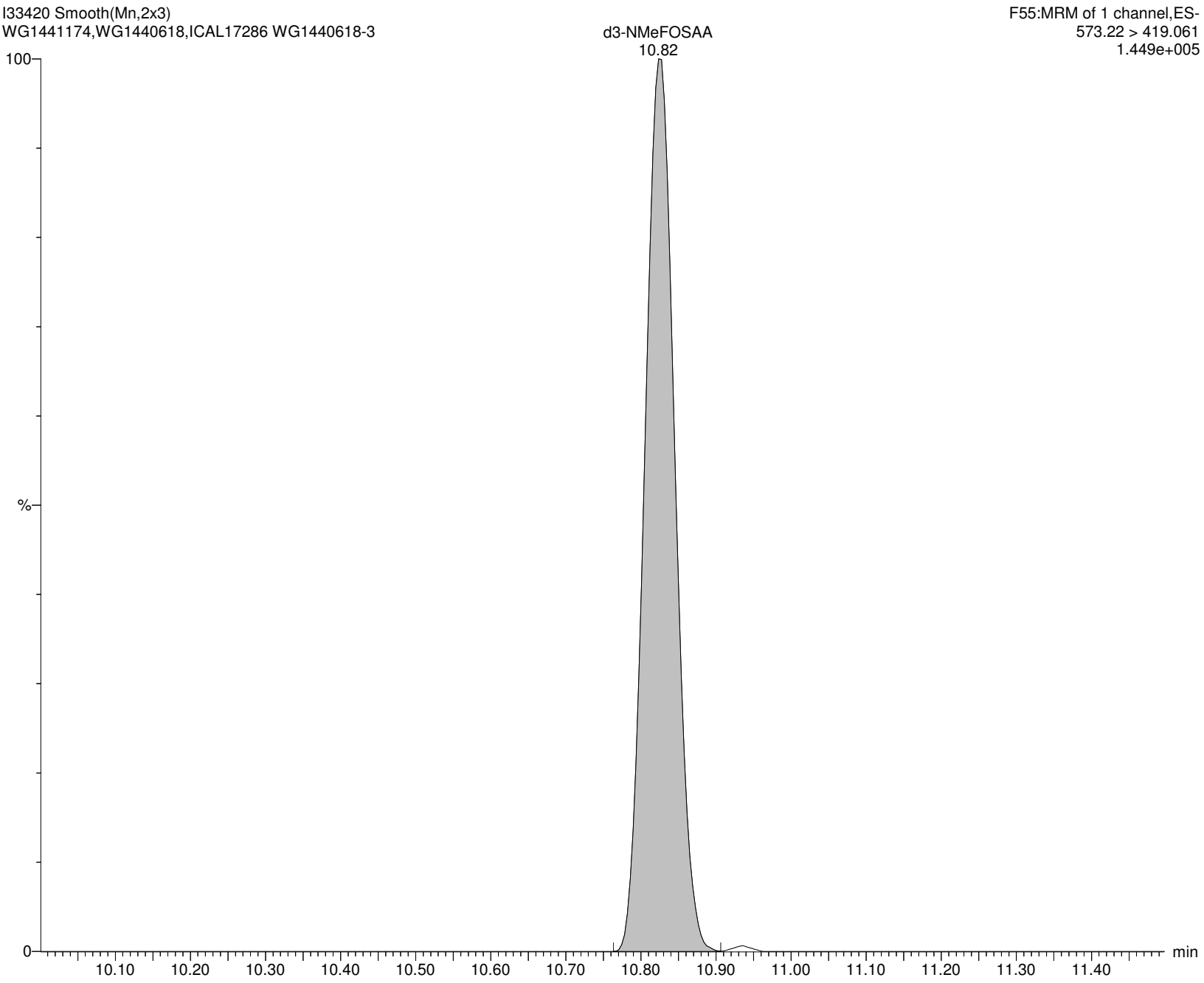

all concentration units in (ng/mL)

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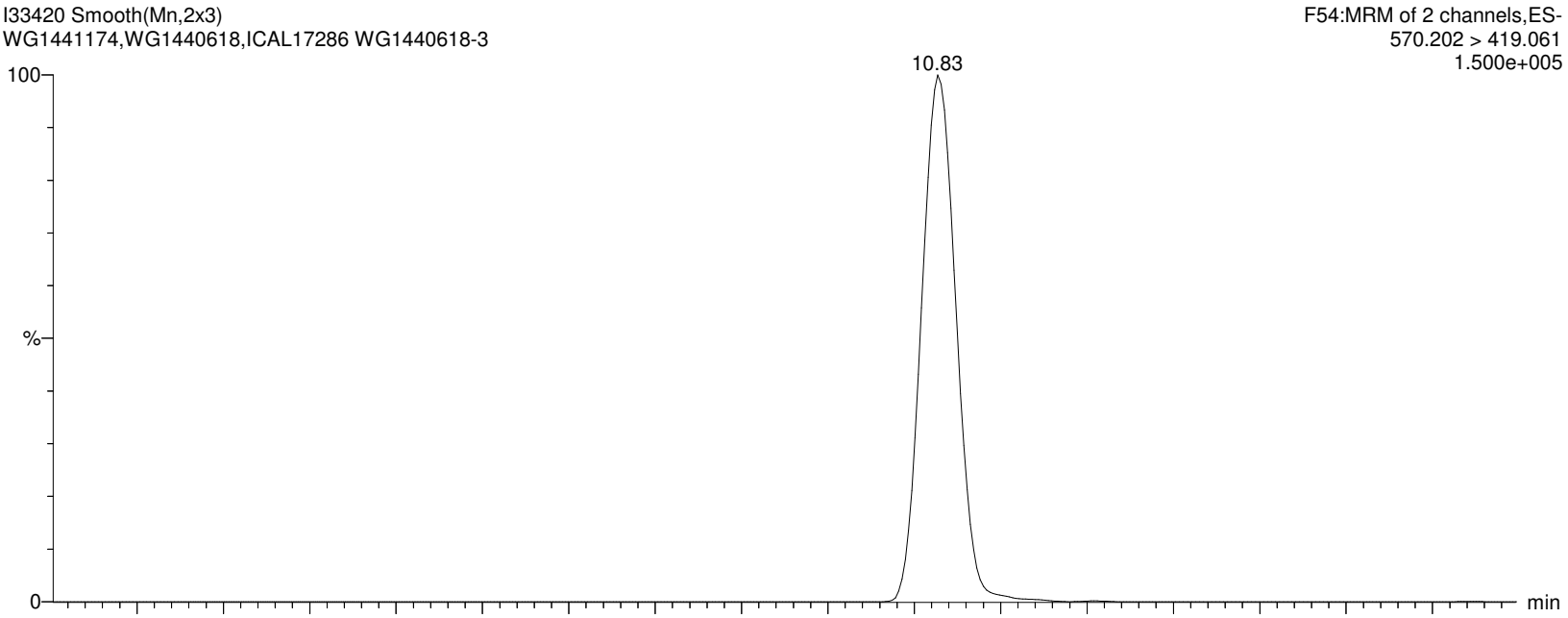

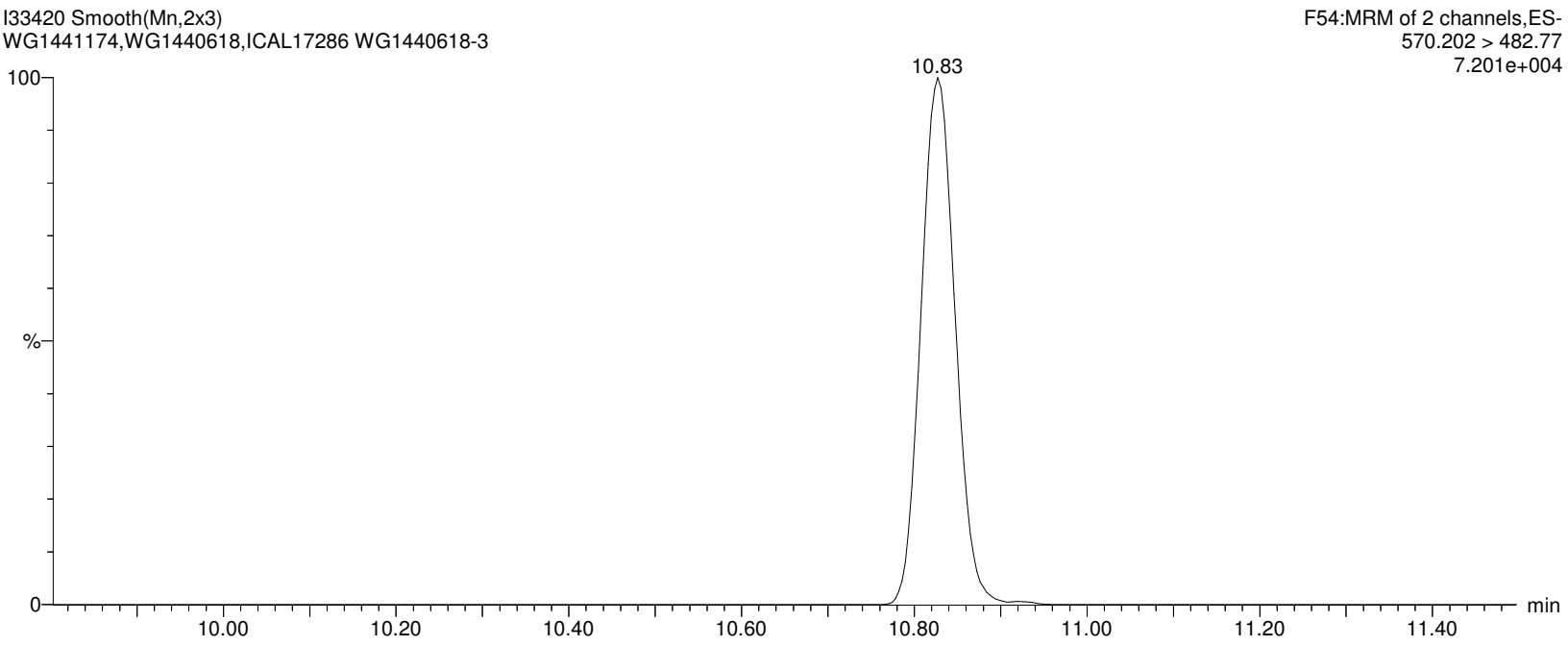

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Description: WG1441174,WG1440618,ICAL17286
User: LCMS02:JW
Vial: 1:D,2
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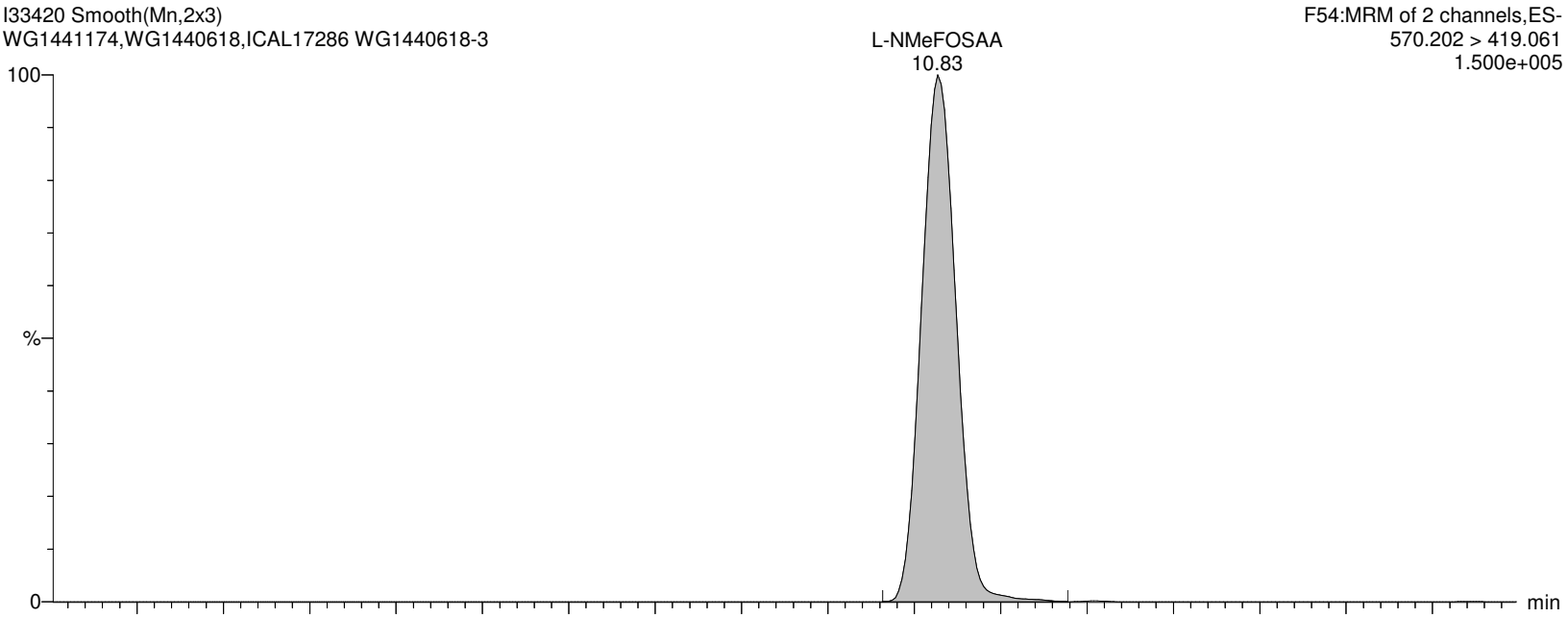

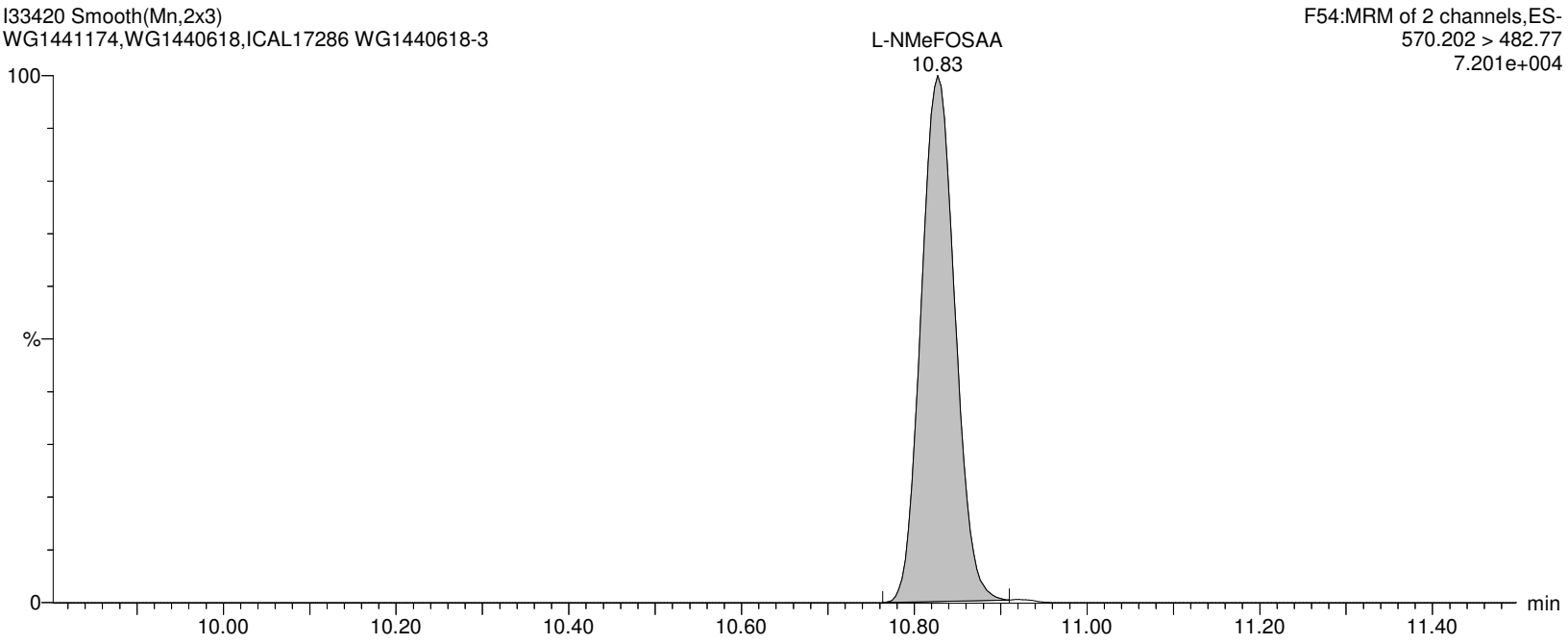

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
Last Altered: Sunday, December 06, 2020 22:56:32 Eastern Standard Time
Printed: Sunday, December 06, 2020 22:59:40 Eastern Standard Time

Name: I33420
ID: WG1440618-3
Date: 04-Dec-2020
Time: 17:02:05
Description: WG1441174,WG1440618,ICAL17286
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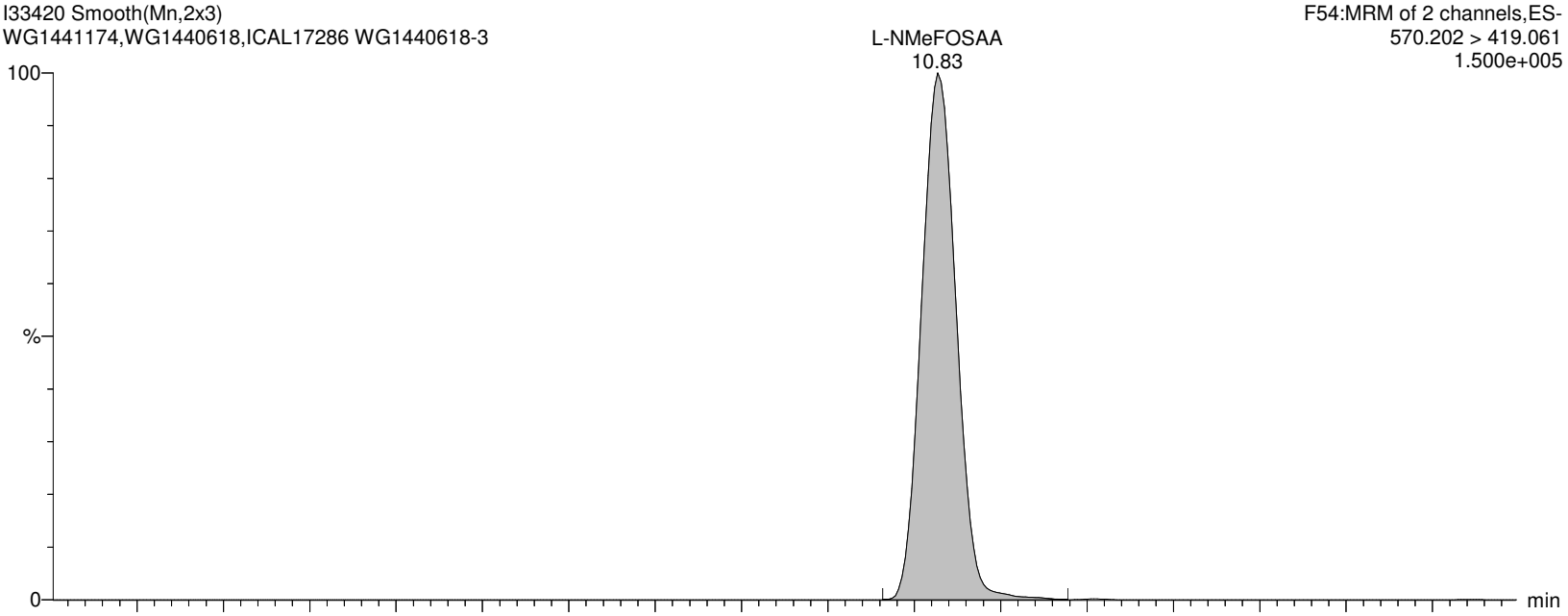

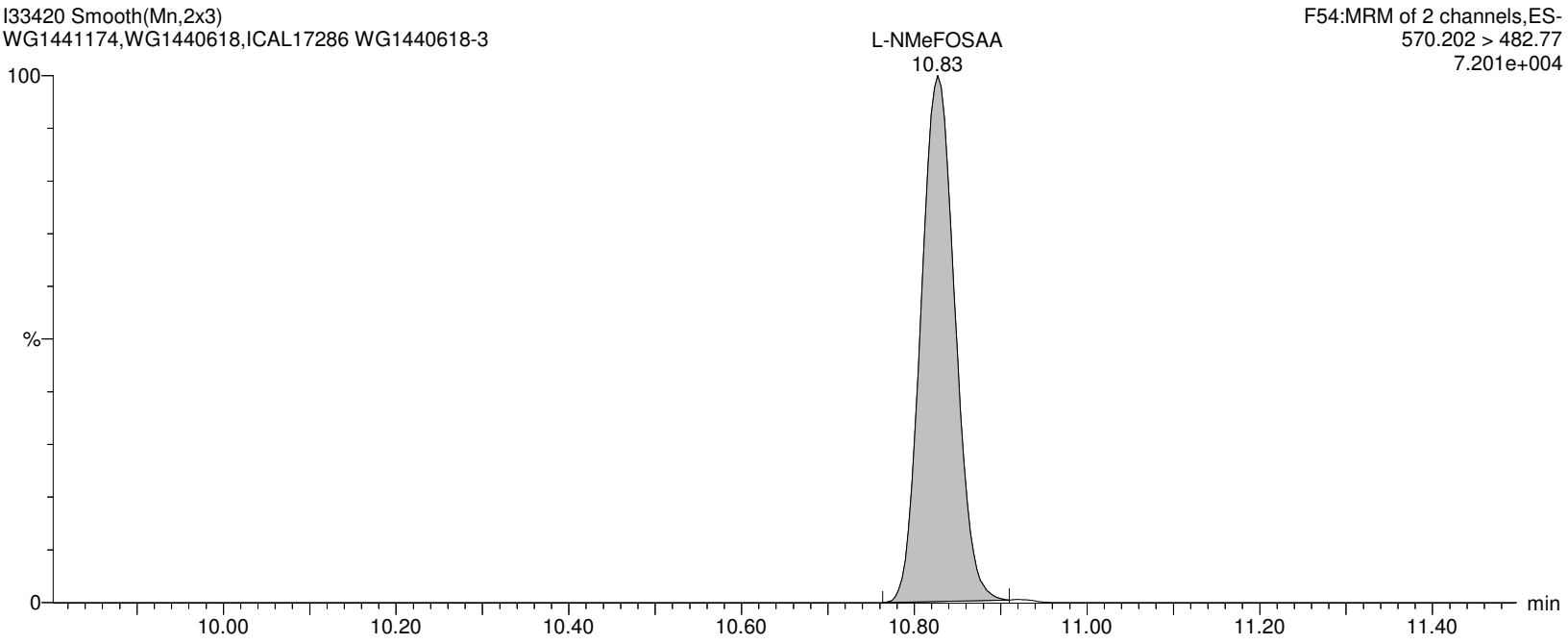

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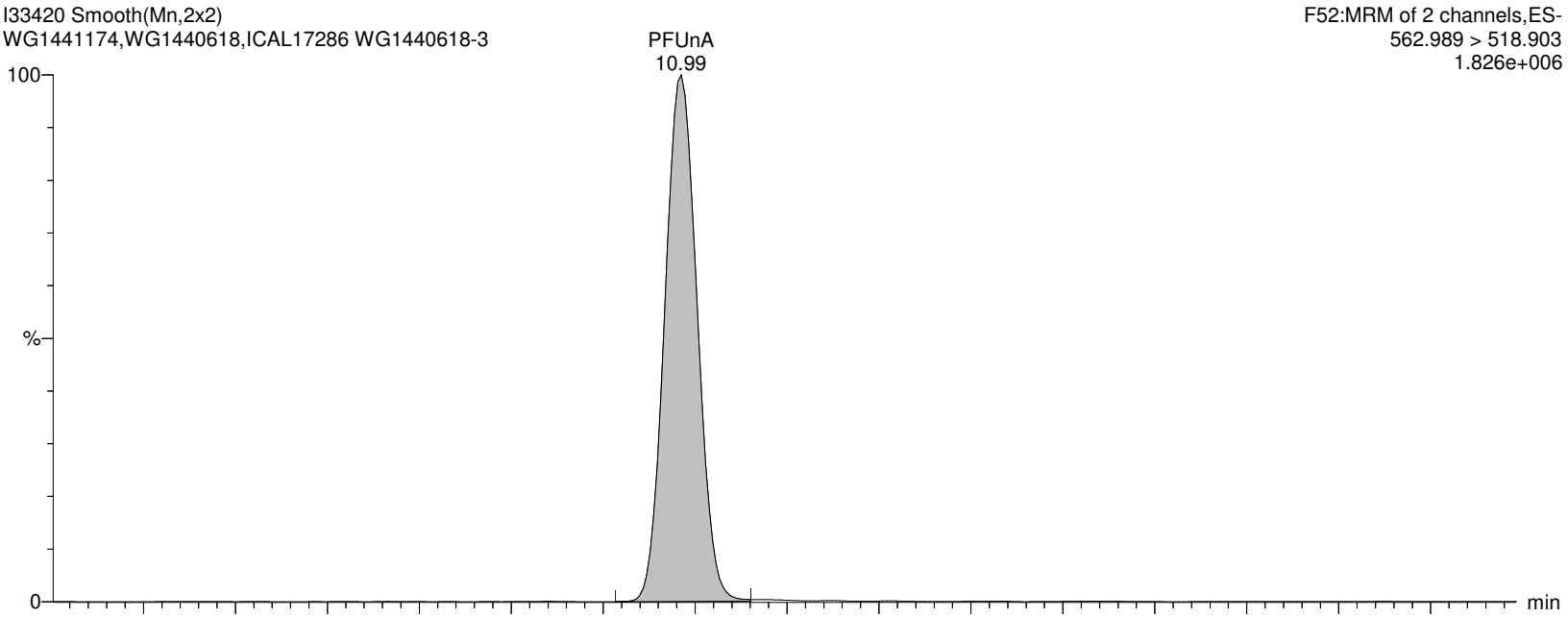

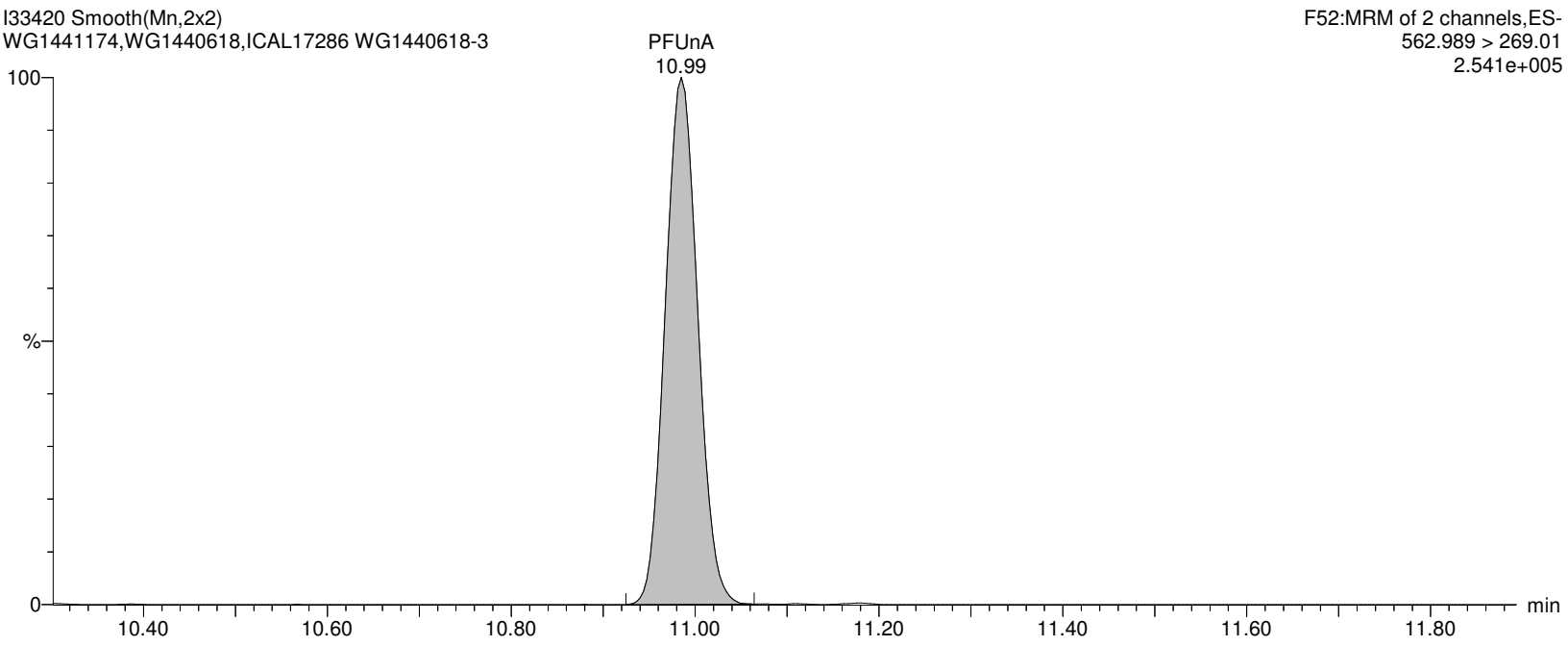

all concentration units in (ng/mL)

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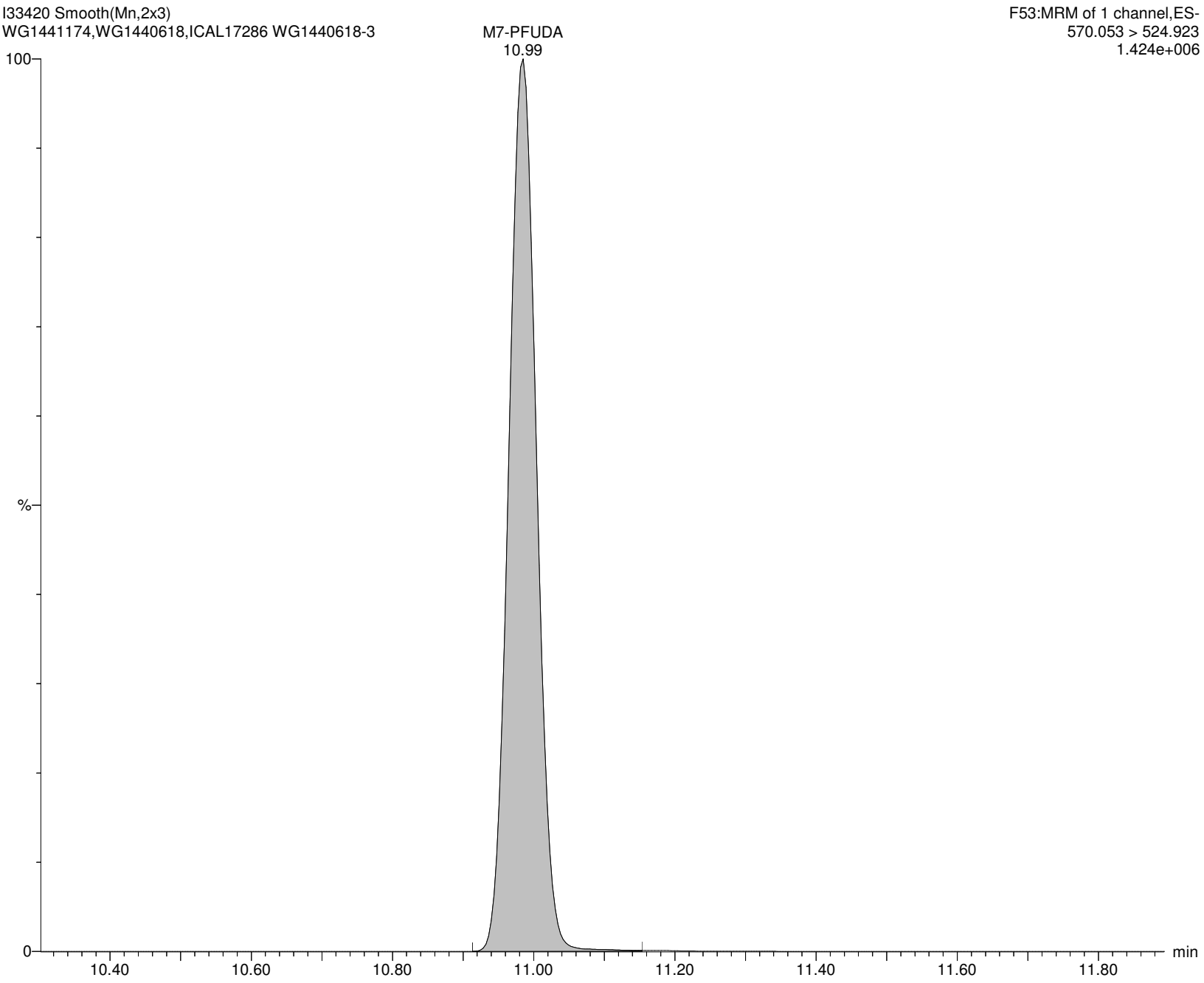

all concentration units in (ng/mL)

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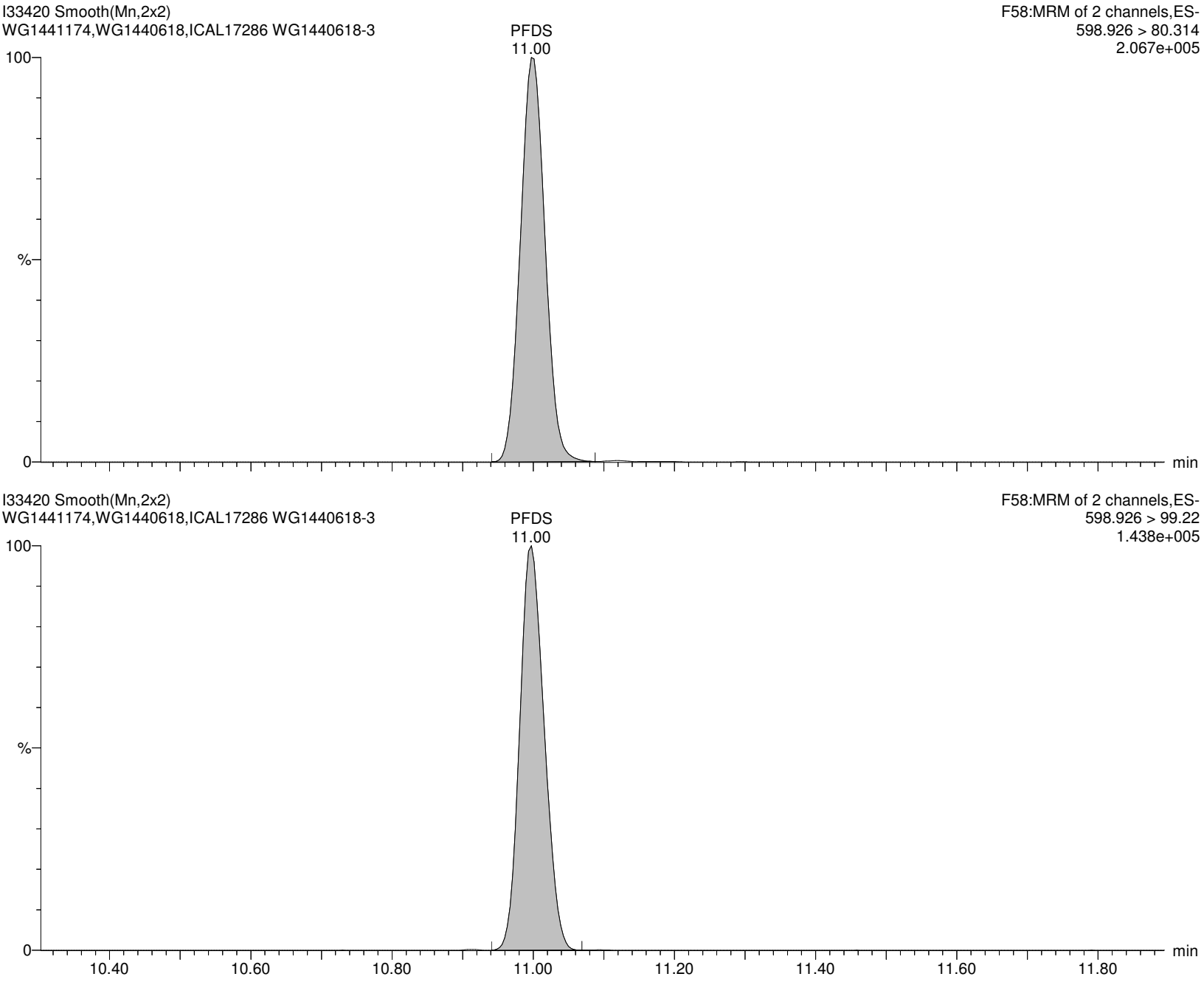

all concentration units in (ng/mL)

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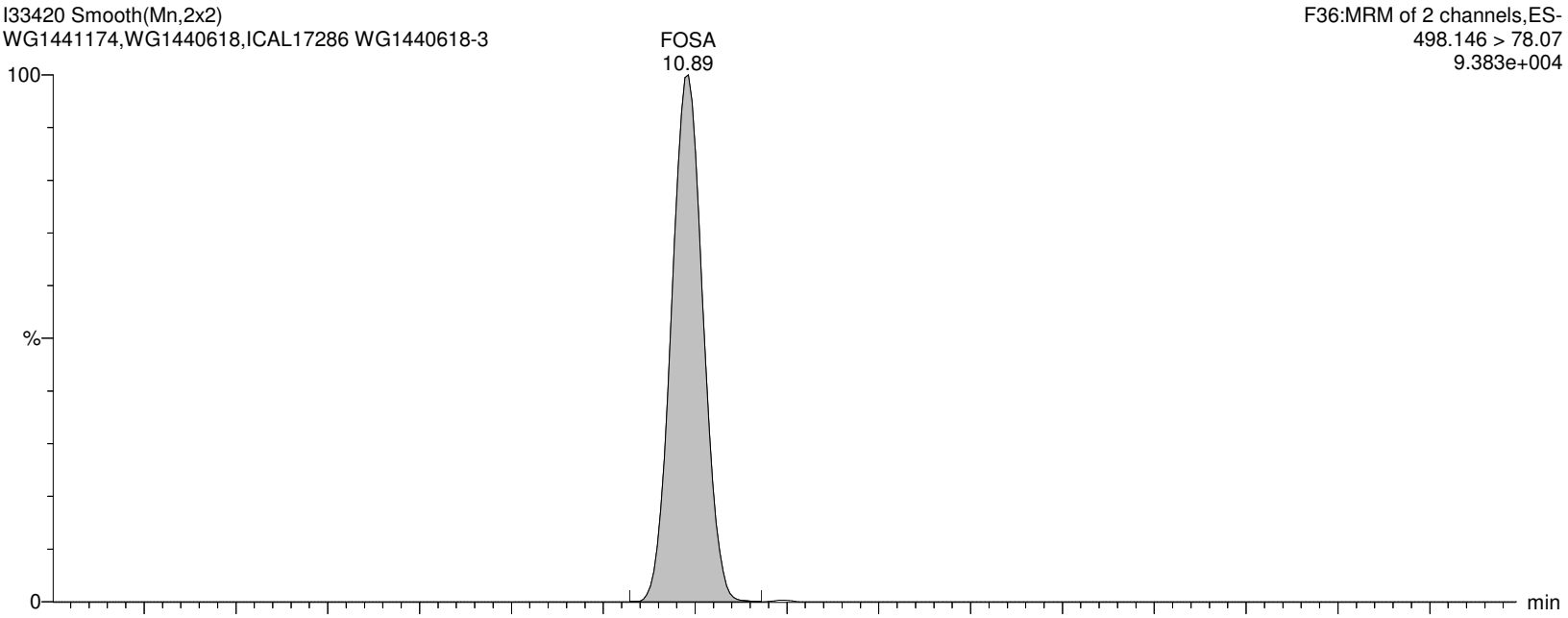

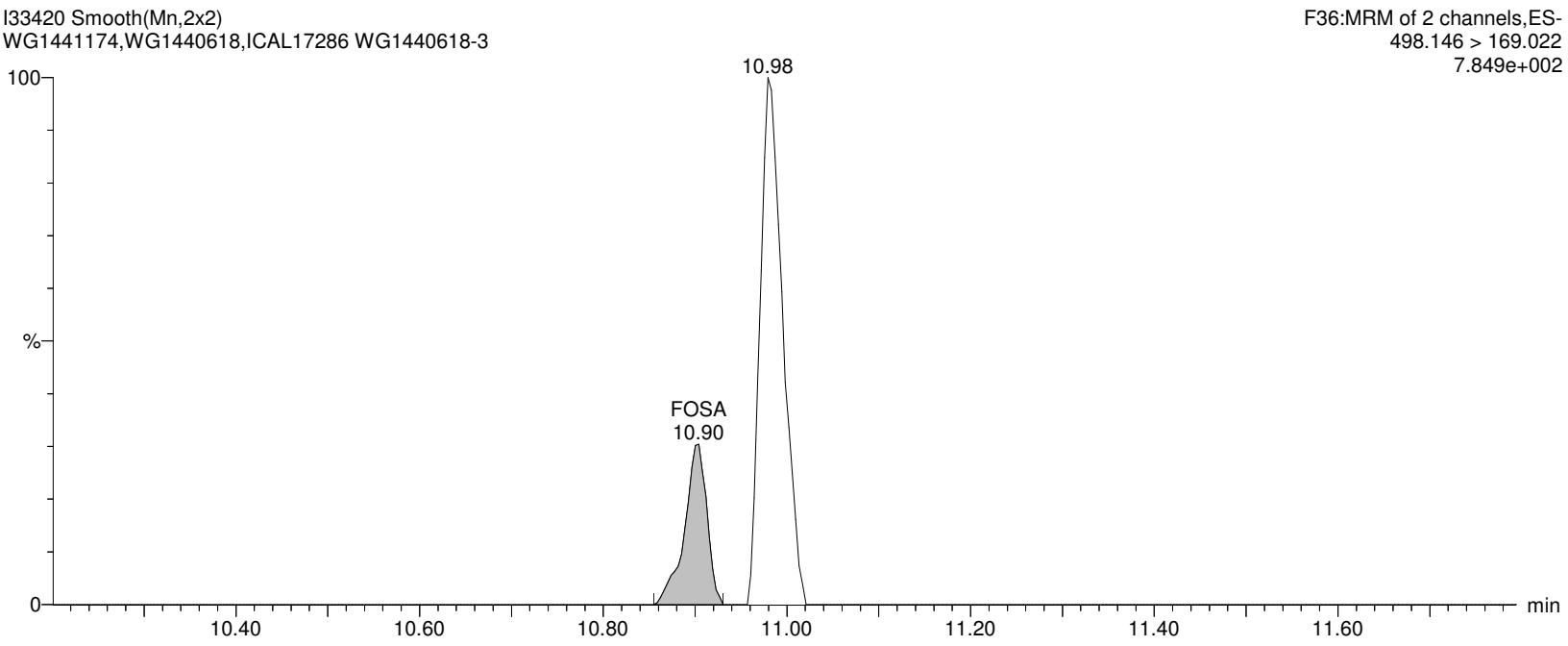

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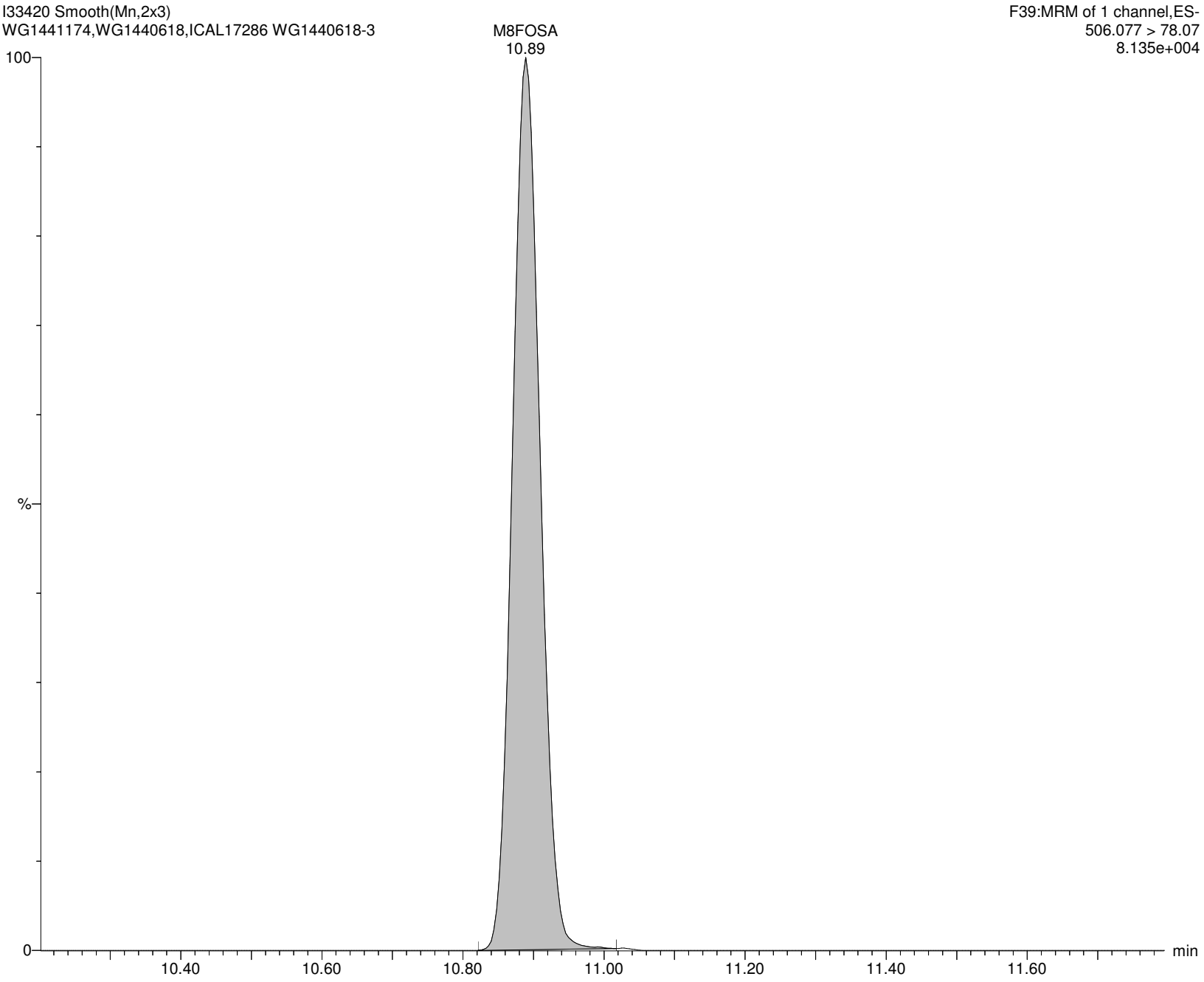

all concentration units in (ng/mL)

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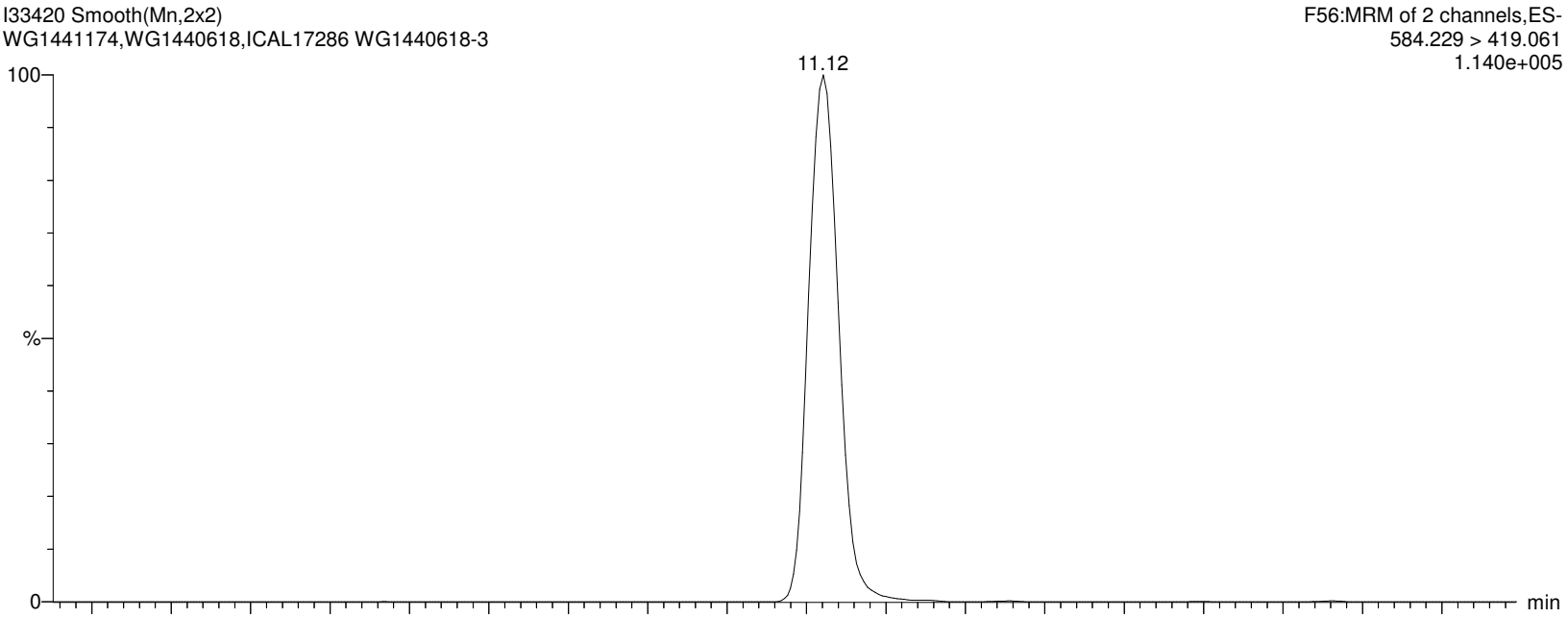

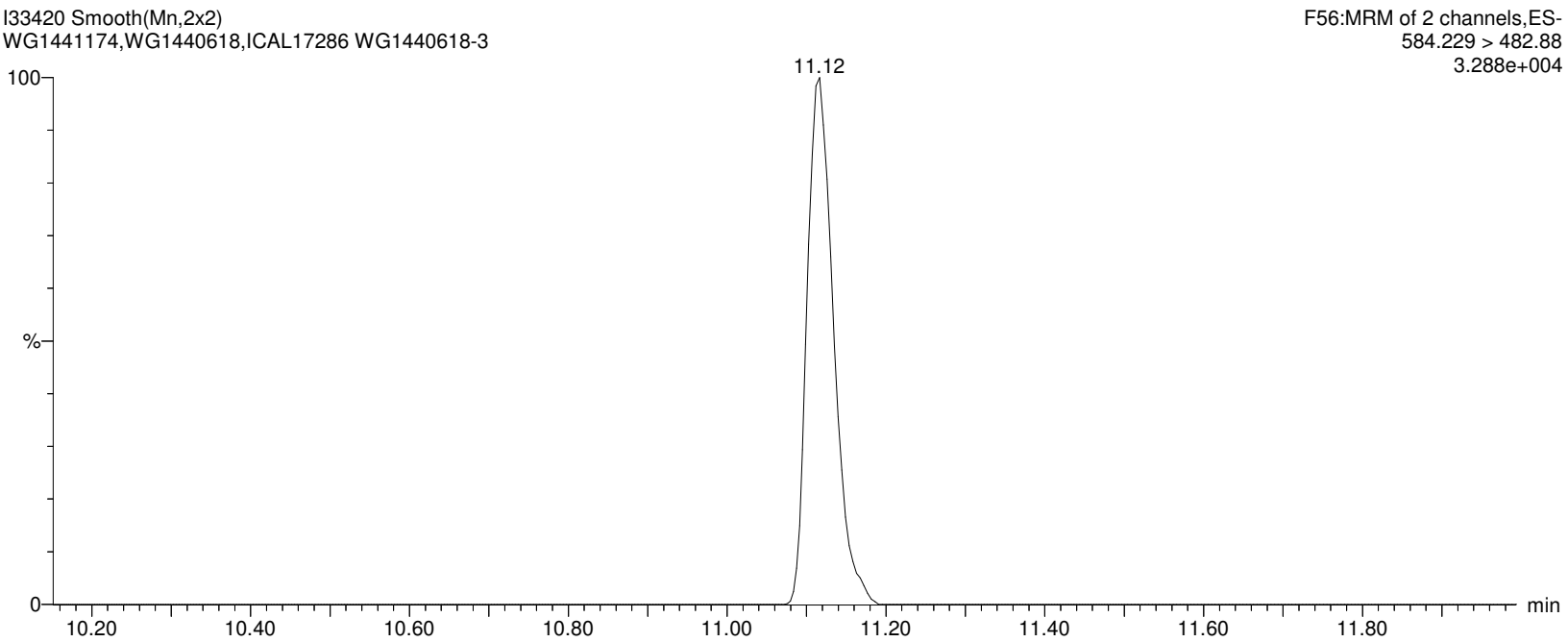

all concentration units in (ng/mL)

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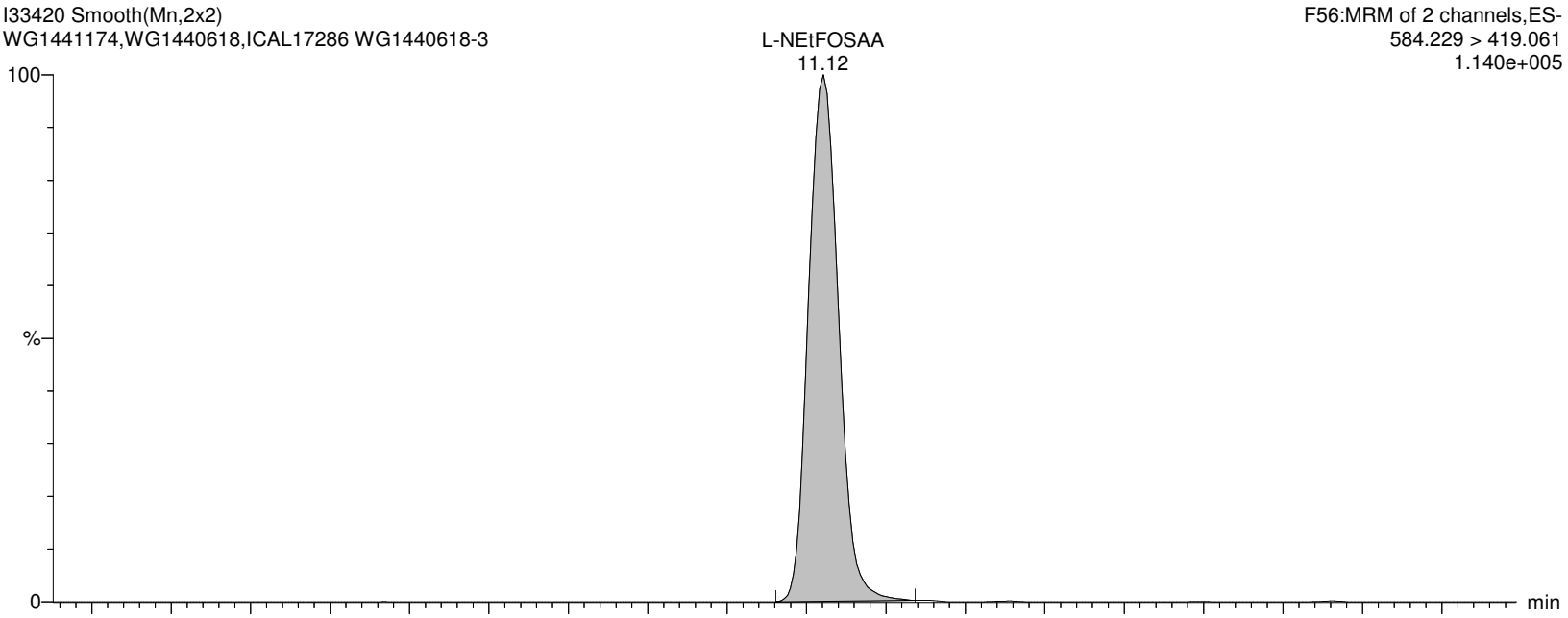

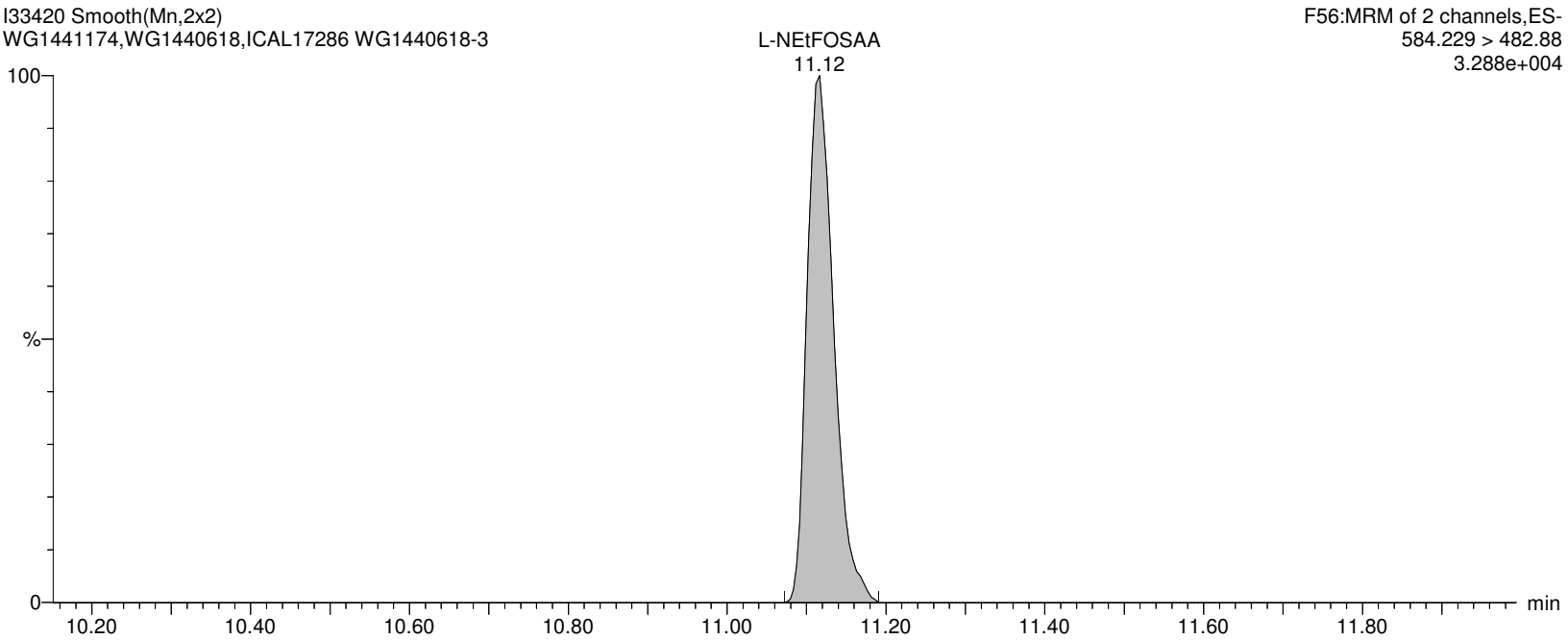

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\201204_537ISO.PRO\Data\WG1441174-B.qld
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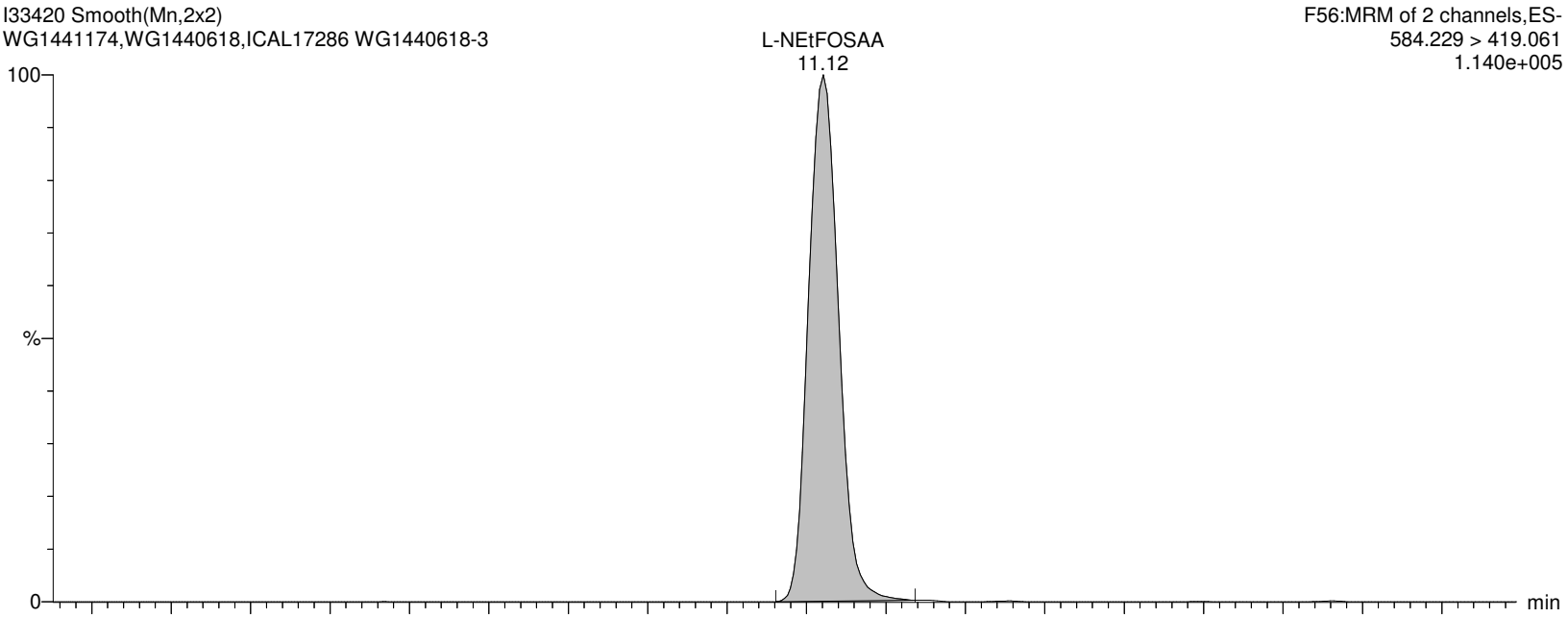

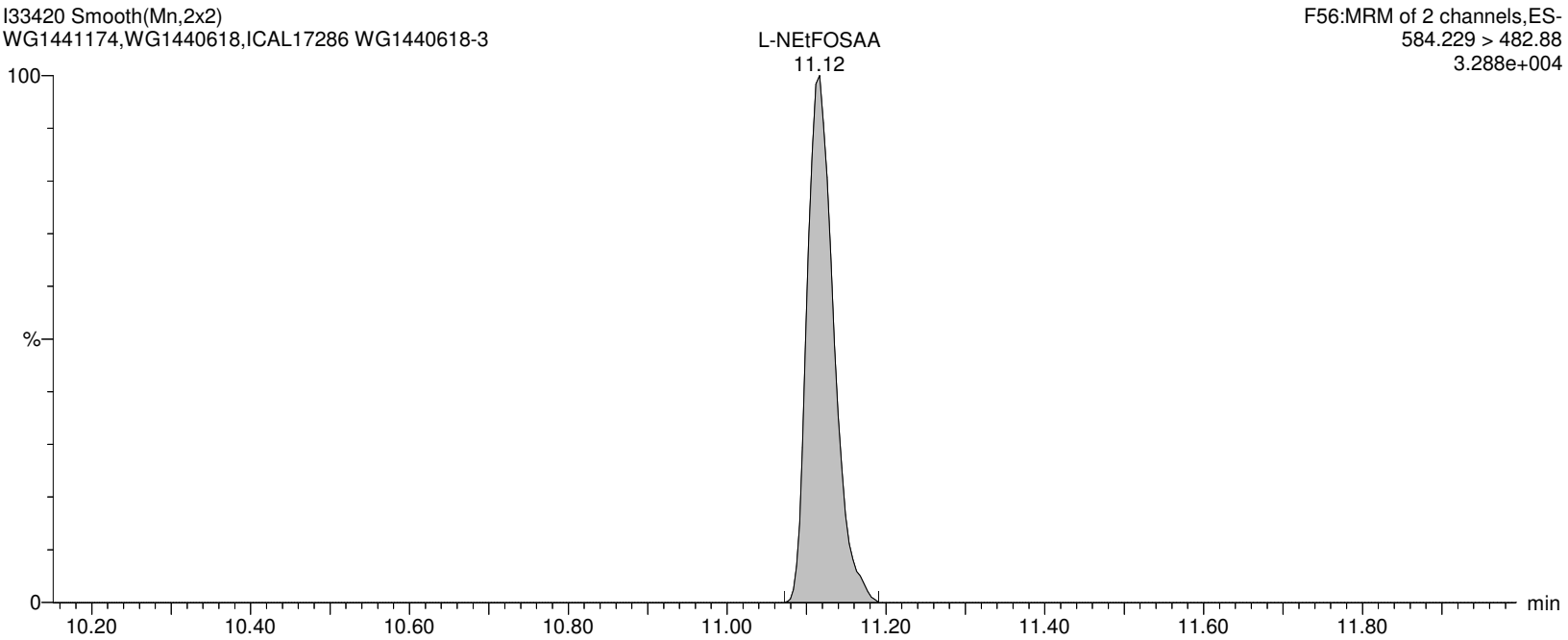

all concentration units in (ng/mL)

Alpha Analytical Inc.
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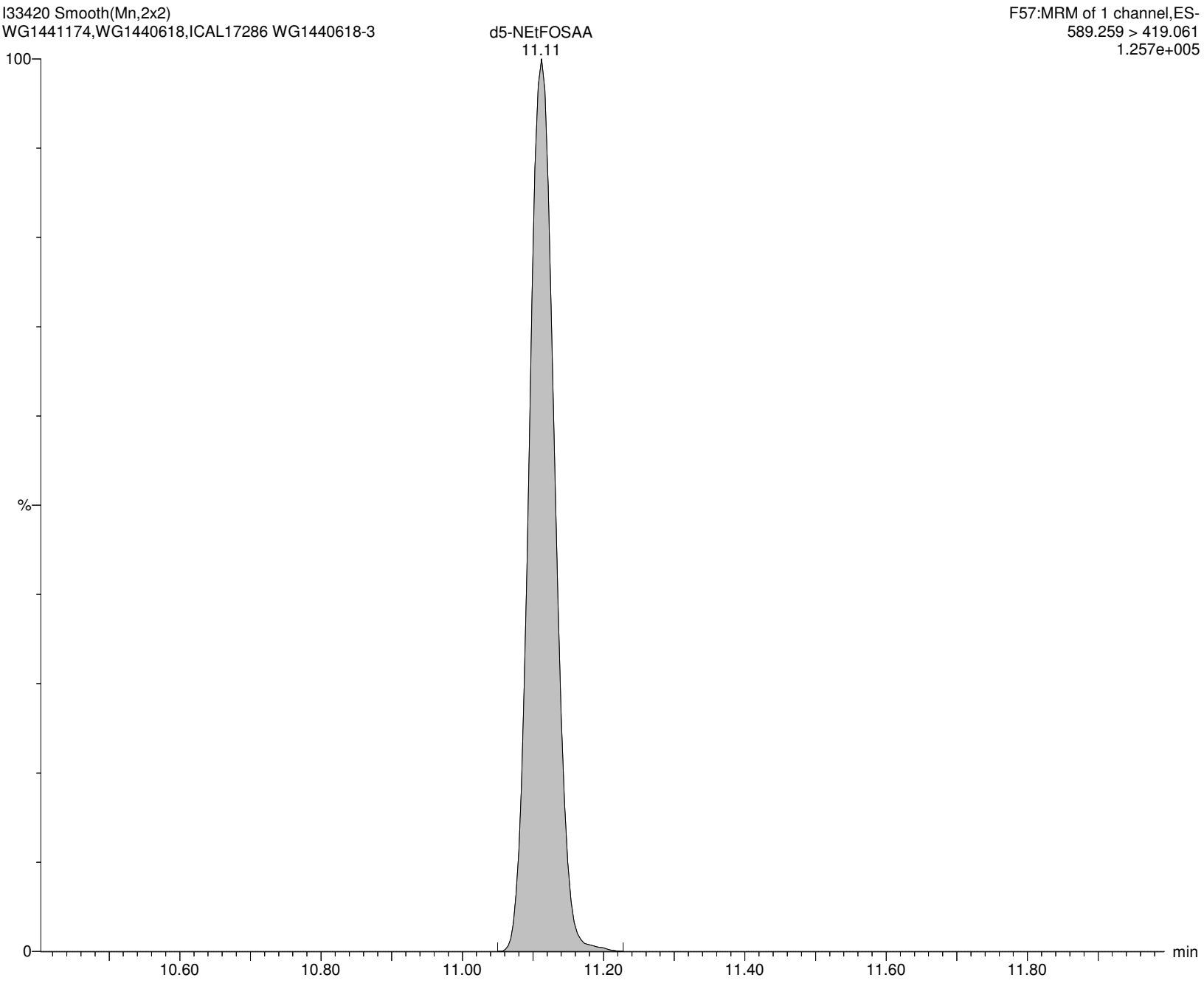

all concentration units in (ng/mL)

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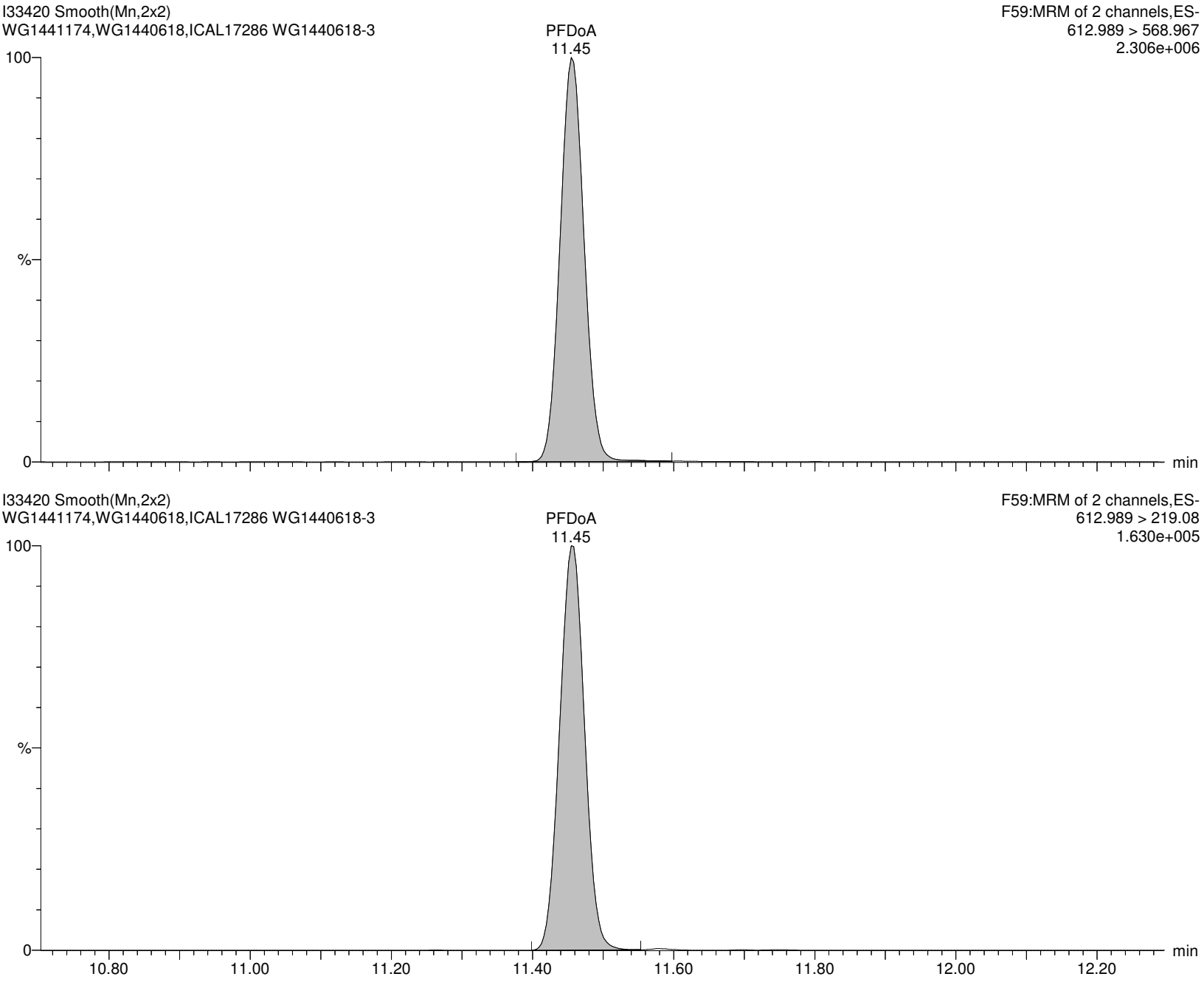

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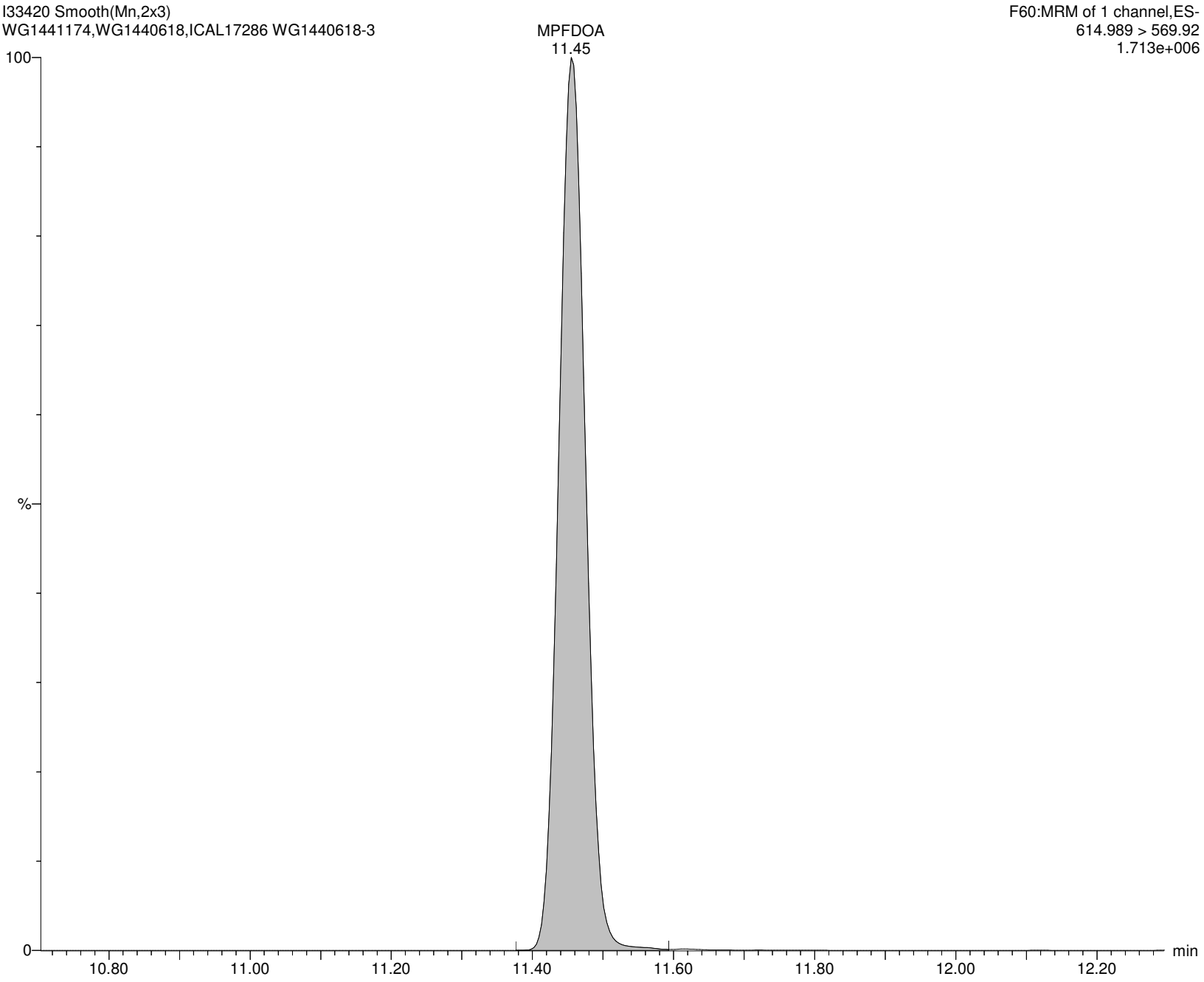

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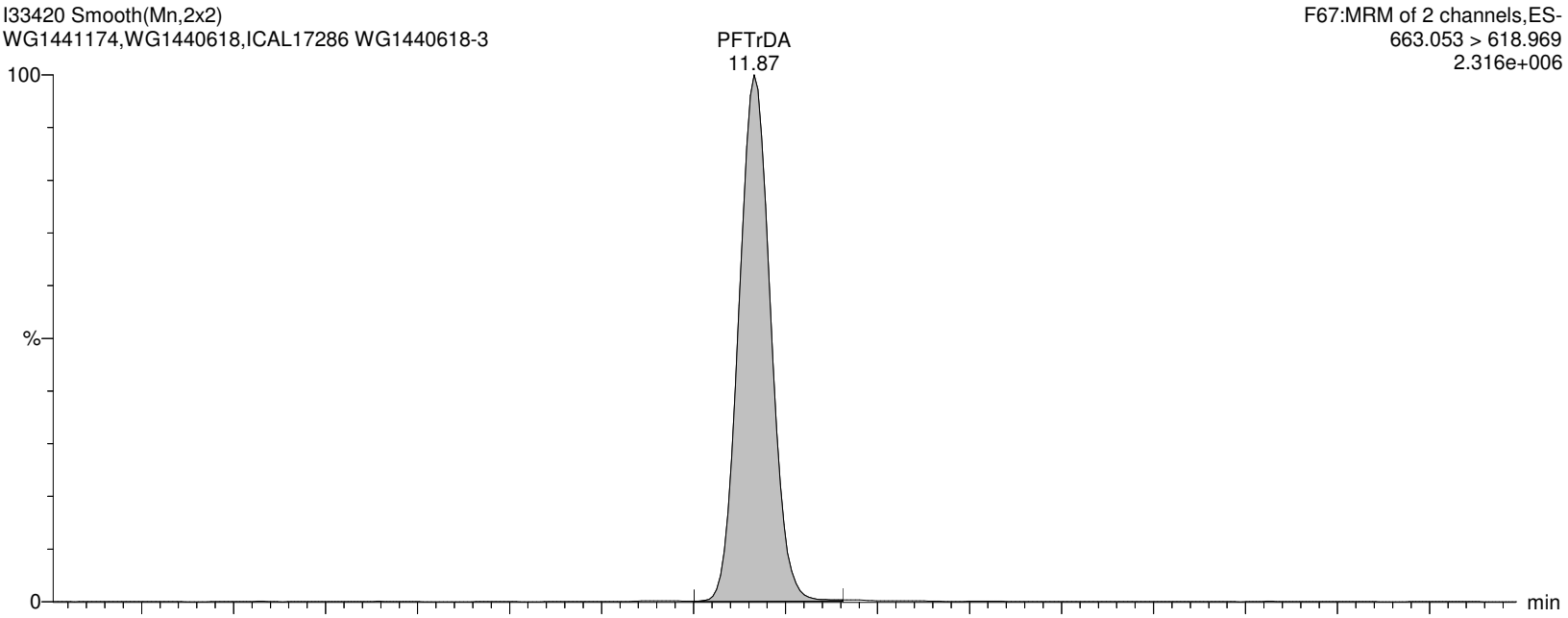

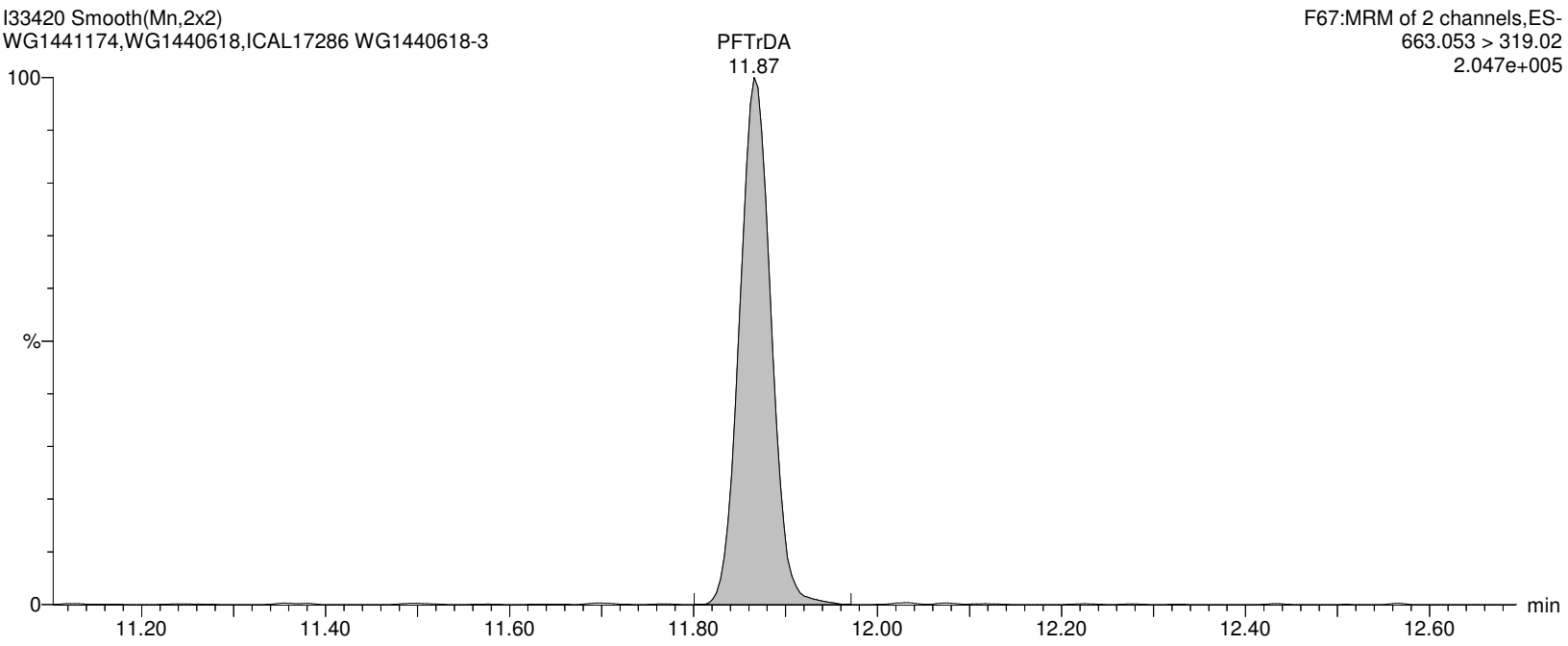

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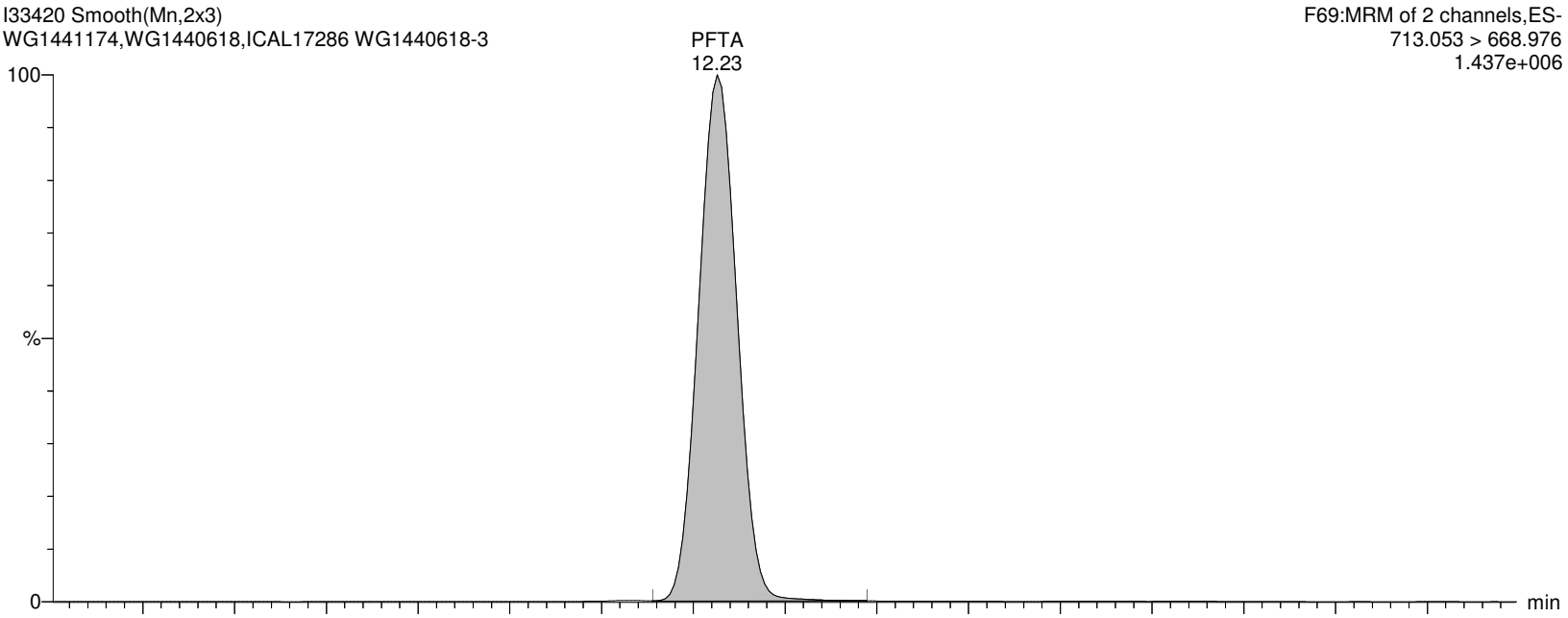

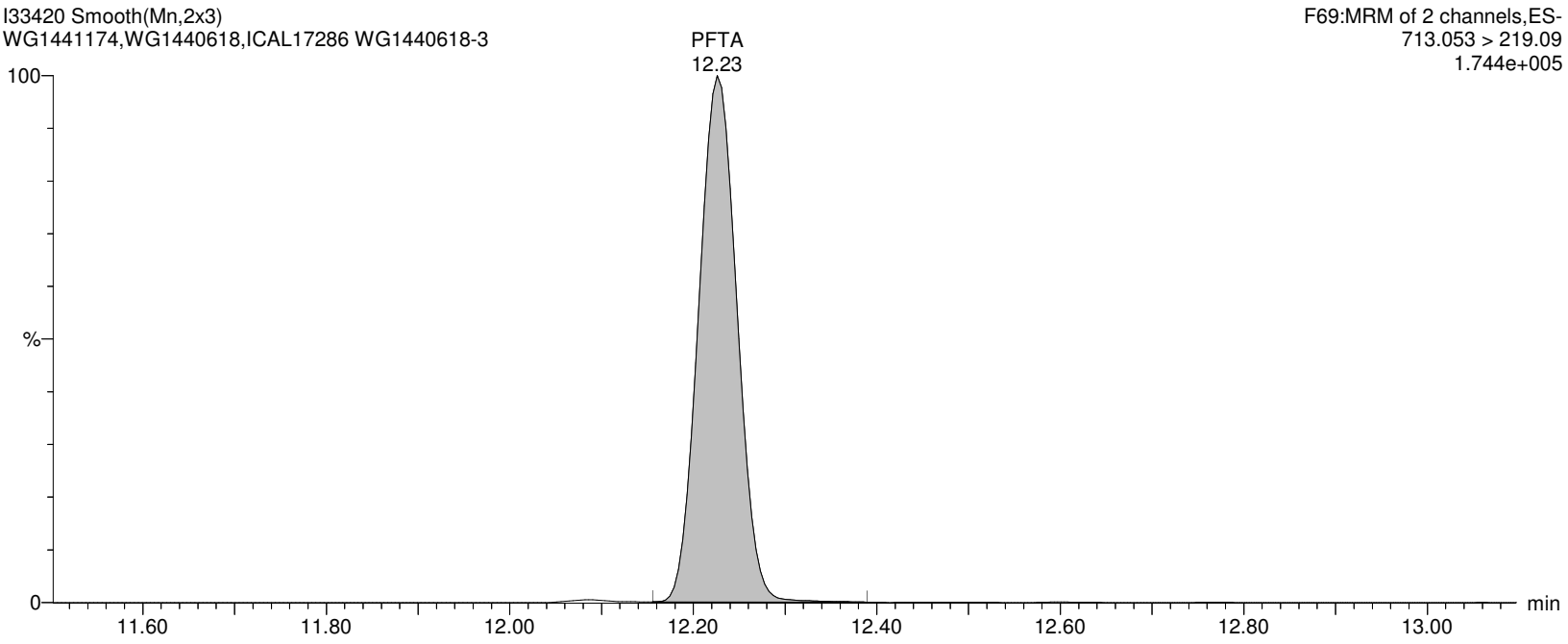

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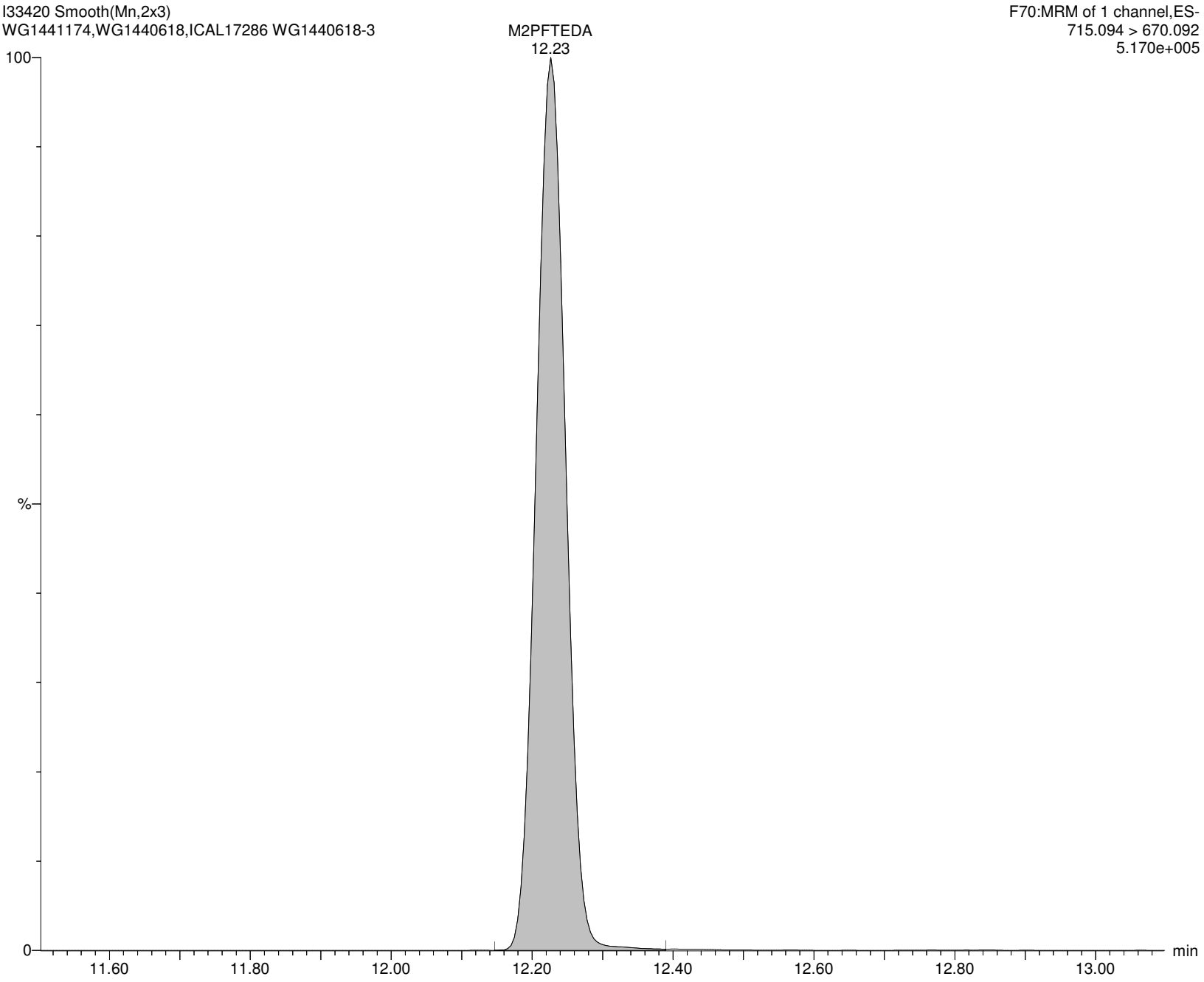
Inlet Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\200520_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\201204_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

M2PFTEDA



all concentration units in (ng/mL)

Calculation of Semi Volatile Organic Compounds

Results of Water Analysis- calculation as performed in report form:

$$\text{Concentration (ug/L)} = \frac{(\text{Conc})\ (\text{Vf})\ (\text{DF})}{(\text{Vi})} \times 1000$$

where:
Conc =Raw on-column concentration obtained from the quantitation report using Initial Calibration results.
Vf = Final volume of extract (mL)
Vi= Volume of sample extracted (mL)
DF= Dilution factor

Results of Sediment/Soil Analysis- calculation as performed in report form:

$$\text{Concentration (ug/Kg)} = \frac{(\text{Conc})\ (\text{Vf})\ (\text{DF})}{(\text{W})\ (\%\text{S})}$$

where:
Conc =Raw on-column concentration obtained from the quantitation report using Initial Calibration results.
Vf = Final volume of extract (mL)
W= Aliquot of sample (wet), g
DF= Dilution factor
%S= Sample %solid (in decimal form)

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Dec 07 2020, 03:17 pm

Work Group: WG1441174 for Department: 32 GC/MS - Semivolatiles

Created: 04-DEC-20 Due: Operator: JW

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2051630-06	FB-SO-20201119	S	A2-NY-537-ISOTOPE	WATER	SEC	U	1203	1214	S0	Plastic-A.25
L2051957-01	SB23_0-2	S	A2-NY-537-ISOTOPE	SOIL	DONE	U	1204	1216	S0	Plastic-A-Soil
L2051957-02	SB23_5-6	S	A2-NY-537-ISOTOPE	SOIL	DONE	U	1204	1216	S0	Plastic-A-Soil
L2051958-06	SBEB05_11202020	S	A2-NY-537-ISOTOPE	WATER	SEC	U	1204	1215	S0	Plastic-A.25
L2051958-07	SBFB02_11202020	S	A2-NY-537-ISOTOPE	WATER	SEC	U	1204	1215	S0	Plastic-A.25
L2051989-04	FB-GW-20201120 PFAS	S	A2-NY-537-ISOTOPE	WATER	SEC	U	1204	1215	S0	Plastic-A.25
L2052004-02	FB-SO_20201120 PFAS	S	A2-NY-537-ISOTOPE	WATER	SEC	U	1204	1215	S0	Plastic-A.25
L2052826-01	TP-15	S	A2-537-ISOTOPE	SOIL	SEC	U	1208	1218	S0	Plastic-A-Soil
L2052826-03	TP-17	S	A2-537-ISOTOPE	SOIL	SEC	U	1208	1218	S0	Plastic-A-Soil
L2052826-05	TP-20(S)	S	A2-537-ISOTOPE	SOIL	SEC	U	1208	1218	S0	Plastic-A-Soil
L2052826-06	TP-19	S	A2-537-ISOTOPE	SOIL	SEC	U	1208	1218	S0	Plastic-A-Soil
L2052826-07	TP-18(D)	S	A2-537-ISOTOPE	SOIL	SEC	U	1208	1218	S0	Plastic-A-Soil
L2052826-08	TP-20(D)	S	A2-537-ISOTOPE	SOIL	SEC	U	1208	1218	S0	Plastic-A-Soil
L2052826-09	TP-19(D)	S	A2-537-ISOTOPE	SOIL	SEC	U	1208	1218	S0	Plastic-A-Soil
L2052826-10	TP-14	S	A2-537-ISOTOPE	SOIL	SEC	U	1208	1218	S0	Plastic-A-Soil
L2052826-11	TP-13	S	A2-537-ISOTOPE	SOIL	SEC	U	1208	1218	S0	Plastic-A-Soil
L2052826-13	TP-23	S	A2-537-ISOTOPE	SOIL	SEC	U	1208	1218	S0	Plastic-A-Soil
L2052826-15	TP-21(D)	S	A2-537-ISOTOPE	SOIL	SEC	U	1208	1218	S0	Plastic-A-Soil
L2052826-16	TP-24	S	A2-537-ISOTOPE	SOIL	SEC	U	1208	1218	S0	Plastic-A-Soil
L2052826-18	TP-26	S	A2-537-ISOTOPE	SOIL	SEC	U	1209	1218	S0	Plastic-A-Soil
L2052826-19	TP-27	S	A2-537-ISOTOPE	SOIL	SEC	U	1209	1218	S0	Plastic-A-Soil
L2053283-04	EB13_0-2	S	A2-NY-537-ISOTOPE	SOIL	SEC	U	1215	1215	S0	Plastic-A-Soil
L2053283-05	EB13_3-5	S	A2-NY-537-ISOTOPE	SOIL	SEC	U	1215	1215	S0	Plastic-A-Soil
L2053423-02	SB002 (0-2)	S	A2-NY-537-ISOTOPE	SOIL	SEC	U	1215	1216	S0	Plastic-A-Soil
L2053423-09	SB010 (0-2)	S	A2-NY-537-ISOTOPE	SOIL	NOTS	U	1215	1216	S0	Plastic-A-Soil
WG1440618-1	Laboratory Method Bl	S	A2-NY-537-ISOTOPE	SOIL	DONE	U				
WG1440618-2	Laboratory Control S	S	A2-NY-537-ISOTOPE	SOIL	DONE	U				
WG1440618-3	LCS Duplicate	S	A2-NY-537-ISOTOPE	SOIL	DONE	U				
WG1440618-4	Matrix Spike	S	A2-NY-537-ISOTOPE	SOIL	SEC	U				
WG1440618-5	Duplicate Sample	S	A2-NY-537-ISOTOPE	SOIL	SEC	U				
WG1440620-1	Laboratory Method Bl	S	A2-537-ISOTOPE	SOIL	SEC	U				
WG1440620-2	Laboratory Control S	S	A2-537-ISOTOPE	SOIL	SEC	U				
WG1440620-3	LCS Duplicate	S	A2-537-ISOTOPE	SOIL	SEC	U				
WG1440620-4	Matrix Spike	S	A2-537-ISOTOPE	SOIL	SEC	U				
WG1440620-5	Duplicate Sample	S	A2-537-ISOTOPE	SOIL	SENT	U				
WG1440666-5	Duplicate Sample	S	A2-NY-537-ISOTOPE	WATER	SEC	U				

Comments:

WG1440618-3	WG1440618-2
WG1440618-4	L2053283-04
WG1440618-5	L2053283-05
WG1440620-3	WG1440620-2
WG1440620-4	L2052826-01
WG1440620-5	L2052826-02
WG1440666-5	L2052111-01

	Vial	File Name	File Text	Sample ID
1	---	---	ISLOT#LC_ISO_ISTD_201018	SURROGATE LOT#LC_ISO_SURR_201018
2	---	---	TOPSURR_LC_TOPSURR_201027	ADONSURR LOT# LC_ISO_ADDON_201020
3	1:A,1	I31166	MEOH BLANK	MEOH BLANK
4	1:A,1	I31167	MeOH BLANK	MeOH BLANK
5	1:B,8	I31168	TEST	TEST
6	1:A,1	I31169	MeOH BLANK	MeOH BLANK
7	1:A,1	I31170	MeOH BLANK	MeOH BLANK
8	1:A,1	I31171	MeOH BLANK	MeOH BLANK
9	1:A,1	I31172	MeOH BLANK	MeOH BLANK
10	1:A,1	I31173	MeOH BLANK	MeOH BLANK
11	1:A,1	I31174	MeOH BLANK	MeOH BLANK
12	1:A,2	I31175	WG1427117,,537_200915_1	IA2-537STD0.5
13	1:A,2	I31176	WG1427117,,537_200915_1	IA2-537STD0.5
14	1:A,3	I31177	WG1427117,,537_200915_2	IA2-537STD1.0
15	1:A,4	I31178	WG1427117,,537_200915_3	IA2-537STD5.0
16	1:A,5	I31179	WG1427117,,537_200915_4	IA2-537STD10.0
17	1:A,6	I31180	WG1427117,,537_200915_5	IA2-537STD50.0
18	1:A,7	I31181	WG1427117,,537_200915_6	IA2-537STD150.0
19	1:A,8	I31182	WG1427117,,537_200915_7	IA2-537STD250.0
20	1:A,1	I31183	MeOH BLANK	MeOH BLANK
21	1:A,1	I31184	MeOH BLANK	MeOH BLANK
22	1:A,1	I31185	MeOH BLANK	MeOH BLANK
23	1:A,1	I31186	MeOH BLANK	MeOH BLANK
24	1:B,1	I31187	WG1427117,,537_ICV_200521	CA2-537STD010
25	1:B,2	I31188	WG1427117,,537ISO_TECHSTD_200316	TECHSTD-200316

MS File	MS Tune File	Inlet File	Inject Volume	Sample Type	Conc A
---	---	---	0.0	Blank	---
---	---	---	0.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	QC	0.5
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Standard	0.5
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Standard	0.5
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Standard	1.0
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Standard	5.0
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Standard	10.0
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Standard	50.0
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Standard	150.0
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Standard	250.0
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	QC	10
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---

User	Quan Reference
---	---
---	---
LCMS02:JW	---
LCMS02:JW	---
LCMS02:JW	---
LCMS02:JW	---
LCMS02:JW	---
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LCMS02:JW	---
LCMS02:JW	---

	Vial	File Name	File Text	Sample ID
1	---	---	ISLOT#LC_ISO_ISTD_201125B	SURROGATE LOT#LC_ISO_SURR_201125
2	---	---	TOPSURR_LC_TOPSURR_201027	ADONSURR LOT# LC_ISO_ADDON_201202
3	1:A,1	I33399	MEOH BLANK	MEOH BLANK
4	1:A,1	I33400	MEOH BLANK	MEOH BLANK
5	1:A,2	I33401	WG1441174,WG1440666,ICAL17286,537ILOW	WG1441174-1,537ILOW
6	1:B,1	I33402	WG1441174,WG1440666,ICAL17286	WG1440666-1
7	1:B,2	I33403	WG1441174,WG1440666,ICAL17286	WG1440666-2
8	1:B,3	I33404	WG1441174,WG1440666,ICAL17286	WG1440666-3
9	1:B,4	I33405	WG1441174,WG1440666,ICAL17286	L2051630-06
10	1:B,5	I33406	WG1441174,WG1440666,ICAL17286	L2051958-06
11	1:B,6	I33407	WG1441174,WG1440666,ICAL17286	L2051958-07
12	1:B,7	I33408	WG1441174,WG1440666,ICAL17286	L2051989-03
13	1:B,8	I33409	WG1441174,WG1440666,ICAL17286	WG1440666-4
14	1:C,1	I33410	WG1441174,WG1440666,ICAL17286	L2051989-04
15	1:C,2	I33411	WG1441174,WG1440666,ICAL17286	L2052004-02
16	1:C,3	I33412	WG1441174,WG1440666,ICAL17286	L2052111-01
17	1:C,4	I33413	WG1441174,WG1440666,ICAL17286	WG1440666-5
18	1:C,5	I33414	WG1441174,WG1440666,ICAL17286	L2052111-02
19	1:C,6	I33415	WG1441174,WG1440666,ICAL17286	L2052111-03
20	1:C,7	I33416	WG1441174,WG1440666,ICAL17286	L2052111-04
21	1:A,3	I33417	WG1441174,WG1440666,ICAL17286,537IMED	WG1441174-2,537IMED
22	1:C,8	I33418	WG1441174,WG1440618,ICAL17286	WG1440618-1
23	1:D,1	I33419	WG1441174,WG1440618,ICAL17286	WG1440618-2
24	1:D,2	I33420	WG1441174,WG1440618,ICAL17286	WG1440618-3
25	1:D,3	I33421	WG1441174,WG1440618,ICAL17286	L2051957-01
26	1:D,4	I33422	WG1441174,WG1440618,ICAL17286	L2051957-02
27	1:D,5	I33423	WG1441174,WG1440618,ICAL17286	L2053283-04
28	1:D,6	I33424	WG1441174,WG1440618,ICAL17286	WG1440618-4
29	1:D,7	I33425	WG1441174,WG1440618,ICAL17286	L2053283-05
30	1:D,8	I33426	WG1441174,WG1440618,ICAL17286	WG1440618-5
31	1:E,1	I33427	WG1441174,WG1440618,ICAL17286	L2053423-02
32	1:E,2	I33428	WG1441174,WG1440618,ICAL17286	L2053423-09
33	1:A,2	I33429	WG1441174,WG1440618,ICAL17286,537ILOW	WG1441174-3,537ILOW
34	1:E,3	I33430	WG1441174,WG1440620,ICAL17286	WG1440620-1
35	1:E,4	I33431	WG1441174,WG1440620,ICAL17286	WG1440620-2
36	1:E,5	I33432	WG1441174,WG1440620,ICAL17286	WG1440620-3
37	1:E,6	I33433	WG1441174,WG1440620,ICAL17286	L2052826-01
38	1:E,7	I33434	WG1441174,WG1440620,ICAL17286	WG1440620-4
39	1:E,8	I33435	WG1441174,WG1440620,ICAL17286	L2052826-02
40	1:F,1	I33436	WG1441174,WG1440620,ICAL17286	WG1440620-5
41	1:F,2	I33437	WG1441174,WG1440620,ICAL17286	L2052826-03
42	1:F,3	I33438	WG1441174,WG1440620,ICAL17286	L2052826-04
43	1:F,4	I33439	WG1441174,WG1440620,ICAL17286	L2052826-05
44	1:F,5	I33440	WG1441174,WG1440620,ICAL17286	L2052826-06
45	1:F,6	I33441	WG1441174,WG1440620,ICAL17286	L2052826-07
46	1:F,7	I33442	WG1441174,WG1440620,ICAL17286	L2052826-08
47	1:F,8	I33443	WG1441174,WG1440620,ICAL17286	L2052826-09
48	2:A,1	I33444	WG1441174,WG1440620,ICAL17286	L2052826-10
49	1:A,3	I33445	WG1441174,WG1440666,ICAL17286,537IMED	WG1441174-4,537IMED
50	2:A,2	I33446	WG1441174,WG1440620,ICAL17286	L2052826-11
51	2:A,3	I33447	WG1441174,WG1440620,ICAL17286	L2052826-12
52	2:A,4	I33448	WG1441174,WG1440620,ICAL17286	L2052826-13
53	2:A,5	I33449	WG1441174,WG1440620,ICAL17286	L2052826-14
54	2:A,6	I33450	WG1441174,WG1440620,ICAL17286	L2052826-15
55	2:A,7	I33451	WG1441174,WG1440620,ICAL17286	L2052826-16
56	2:A,8	I33452	WG1441174,WG1440620,ICAL17286	L2052826-17
57	2:B,1	I33453	WG1441174,WG1440620,ICAL17286	L2052826-18
58	2:B,2	I33454	WG1441174,WG1440620,ICAL17286	L2052826-19
59	1:A,2	I33455	WG1441174,WG1440618,ICAL17286,537ILOW	WG1441174-5,537ILOW
60	2:B,3	I33456	WG1441174,WG1439789,ICAL17286,TOP	WG1439789-1

MS File	MS Tune File	Inlet File	Inject Volume	Sample Type	Conc A
---	---	---	0.0	Blank	---
---	---	---	0.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	QC	0.5
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	QC	10
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	QC	10
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	QC	10
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	QC	10
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	QC	10
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	QC	0.5
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	QC	10
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	QC	10
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	QC	10
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	QC	0.5
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---

User

LCMS02:JW
LCMS02:JW
LCMS02:JW

	Vial	File Name	File Text	Sample ID
61	2:B,4	I33457	WG1441174,WG1439789,ICAL17286,TOP	WG1439789-2
62	2:B,5	I33458	WG1441174,WG1439789,ICAL17286,TOP	WG1439789-3
63	2:B,6	I33459	WG1441174,WG1439789,ICAL17286,TOP	L2050619-04
64	2:B,7	I33460	WG1441174,WG1439789,ICAL17286,TOP	WG1439789-4
65	1:A,1	I33461	MEOH BLANK	MEOH BLANK
66	1:A,1	I33462	MEOH BLANK	MEOH BLANK
67	1:A,3	I33463	WG1441174,WG1440666,ICAL17286,537IMED	WG1441174-6,537IMED

MS File	MS Tune File	Inlet File	Inject Volume	Sample Type	Conc A
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	QC	10
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	QC	10
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	Analyte	---
537ISO_M_SPAN2_DOD_TOP_200708	200520_TUNE	LCMS_537_ISO_B	3.0	QC	10

User

LCMS02:JW
LCMS02:JW
LCMS02:JW
LCMS02:JW
LCMS02:JW
LCMS02:JW
LCMS02:JW

ORGANIC ELN REPORT

Workgroup: WG1440618

Prep Method: ALPHA 23528
Solvent Type: Methanol **Lot #:** DZ867-US
Surrogate Type: 537 **Lot #:** LC_537_ISO_SURR_201120
Spike Type: 537 **Lot #:** LC_537_ISO_LCS_201119
Spike Verify by: CP
Lims Spikelot: 537I

Additional Reagents/Stds

Ottawa Sand	19F0556195

Conc.Method: N-EVAP
Solvent Type: 80:20 Methanol/Wat
Lot #: EC112520D

Additional Reagents/Stds

IS	537_ISO_ISTD_201125A

Cleanup 1

Cleanup Method 1:
Cleanup Method 2:
Solvent Type: **Lot #:**

Additional Reagents/Stds

Sample/ Type	Extraction									Concentration				
	Extract Date	Analyst	Sample Weight g	Balance Id	Surr Amt ml	Spike Amt ml	Pipette Id	Lot: Clnup Cartrid	Flow Rate ml/min	Conc Date	Analyst	Final Vol ml	Conc Unit	Pipette Id
L2051957-01 SOIL	12/03/20 09:41	Darian Dailey	4.28	BAL-19	.04		244/284	1/1244/ G:C00 283	4	12/03/20 12:00	Darian Dailey	2.0	NEVAP 65 6	263/25 6
	High moisture content. 12/3/20 DD													
L2051957-02 SOIL	12/03/20 09:41	Darian Dailey	4.50	BAL-19	.04		244/284	1/1244/ G:C00 283	4	12/03/20 12:00	Darian Dailey	2.0	NEVAP 65 6	263/25 6
L2053283-04 SOIL	12/03/20 09:41	Darian Dailey	4.21	BAL-19	.04		244/284	1/1244/ G:C00 283	4	12/03/20 12:00	Darian Dailey	2.0	NEVAP 65 6	263/25 6
	Oil smell. 12/3/20 DD													
L2053283-05 SOIL	12/03/20 09:41	Darian Dailey	4.24	BAL-19	.04		244/284	1/1244/ G:C00 283	4	12/03/20 12:00	Darian Dailey	2.0	NEVAP 65 6	263/25 6
L2053423-02 SOIL	12/03/20 09:41	Darian Dailey	4.48	BAL-19	.04		244/284	1/1244/ G:C00 283	4	12/03/20 12:00	Darian Dailey	2.0	NEVAP 65 6	263/25 6
L2053423-09 SOIL	12/03/20 09:41	Darian Dailey	4.34	BAL-19	.04		244/284	1/1244/ G:C00 283	4	12/03/20 12:00	Darian Dailey	2.0	NEVAP 65 6	263/25 6
WG1440618-1 BLANK	12/03/20 09:41	Darian Dailey	4.0	BAL-19	.04		244/284	1/1244/ G:C00 283	4	12/03/20 12:00	Darian Dailey	2.0	NEVAP 65 6	263/25 6

Reported: 07-DEC-20 03:17 PM

ORGANIC ELN REPORT

Workgroup: WG1440618

Sample/ Type	Extraction									Concentration				
	Extract Date	Analyst	Sample Weight **g**	Balance Id	Surr Amt **ml**	Spike Amt **ml**	Pipette Id	Lot: Clnup Cartrid	Flow Rate **ml/min**	Conc Date	Analyst	Final Vol **ml**	Conc Unit	Pipette Id
WG1440618-2 LCS	12/03/20 09:41	Darian Dailey	4.0	BAL-19	.04	.04	244/284	1/1244/ G:C00 283	4	12/03/20 12:00	Darian Dailey	2.0	NEVAP 65 6	263/25 6
WG1440618-3 LCSD	12/03/20 09:41	Darian Dailey	4.0	BAL-19	.04	.04	244/284	1/1244/ G:C00 283	4	12/03/20 12:00	Darian Dailey	2.0	NEVAP 65 6	263/25 6
WG1440618-4 MS	12/03/20 09:41	Darian Dailey	4.42	BAL-19	.04	.04	244/284	1/1244/ G:C00 283	4	12/03/20 12:00	Darian Dailey	2.0	NEVAP 65 6	263/25 6
	Oil smell. 12/3/20 DD													
WG1440618-5 DUP	12/03/20 09:41	Darian Dailey	4.18	BAL-19	.04		244/284	1/1244/ G:C00 283	4	12/03/20 12:00	Darian Dailey	2.0	NEVAP 65 6	263/25 6

Reported: 07-DEC-20 03:17 PM

GC Extractable Analysis Polychlorinated Biphenyls (PCB)

Aroclor QC Summary

Surrogate Recovery Summary
Form 2
PCBs

Client: Langan Engineering & Environmental
Project Name: 266-270 W. 96TH STREET

Lab Number: L2051957
Project Number: 170432001
Matrix: Soil

GC Column 1: CLP-Pesticide
GC Column 2: CLP-PesticideII

CLIENT ID (LAB SAMPLE NO.)	TCX 1 %REC	TCX 2 %REC	DCB 1 %REC	DCB 2 %REC	OTHER (1)	OTHER (2)	TOT OUT
SB23_0-2 (L2051957-01)	61	63	53	62			0
SB23_5-6 (L2051957-02)	55	58	42	44			0
WG1440039-1BLANK	72	80	75	86			0
WG1440039-2LCS	73	79	74	81			0
WG1440039-3LCSD	74	80	76	83			0

QC LIMITS
(30-150) TCX = 2,4,5,6-TETRACHLORO-M-XYLENE
(30-150) DCBP = DECACHLOROBIPHENYL

*** Values outside of QC limits**

FORM II NYTCL-8082

Laboratory Control Sample Summary
Form 3
PCBs

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Matrix	: SOIL		
LCS Sample ID	: WG1440039-2 **Analysis Date** : 12/02/20 11:10	**File ID**	: 21201202a-04
LCSD Sample ID	: WG1440039-3 **Analysis Date** : 12/02/20 11:17	**File ID**	: 21201202a-05

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/kg)	Found (ug/kg)	%R	True (ug/kg)	Found (ug/kg)	%R	RPD	Recovery Limits	RPD Limit
Aroclor 1016	204	166	81	203	166	82	1	40-140	50
Aroclor 1260	204	164	80	203	166	82	2	40-140	50

Method Blank Summary
Form 4
PCBs

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Lab Sample ID	: WG1440039-1	**Lab File ID**	: 21201202a-03
Matrix	: SOIL	**Extraction Date**	: 12/02/20
Sulfur Cleanup	: Y		
Analysis Date (1)	: 12/02/20 11:03	**Analysis Date (2)**	: 12/02/20 11:03
Instrument ID (1)	: PEST21	**Instrument ID (2)**	: PEST21

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
WG1440039-2LCS	WG1440039-2	12/02/20 11:10	12/02/20 11:10
WG1440039-3LCSD	WG1440039-3	12/02/20 11:17	12/02/20 11:17
SB23_0-2	L2051957-01	12/04/20 13:04	12/04/20 13:04
SB23_5-6	L2051957-02	12/04/20 13:16	12/04/20 13:16

Analytical Sequence
Form 8b
PCBs

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Instrument ID	: PEST7	**Initial Calib. Date(s)**	: 06/10/20 06/11/20

Client ID	Lab ID	Date/Time Analyzed
1242/1268 L2	R1323131-1	06/10/20 19:51
1242/1268 L3	R1323131-3	06/10/20 20:04
1242/1268 L4	R1323131-2	06/10/20 20:17
1242/1268 L5	R1323131-7	06/10/20 20:30
1242/1268 L6	R1323131-5	06/10/20 20:42
1232/1262 L2	R1323131-6	06/10/20 21:08
1232/1262 L3	R1323131-4	06/10/20 21:21
1232/1262 L4	R1323131-10	06/10/20 21:34
1232/1262 L5	R1323131-9	06/10/20 21:47
1232/1262 L6	R1323131-8	06/10/20 21:59
1248 L1	R1323131-35	06/10/20 22:12
1248 L2	R1323131-13	06/10/20 22:25
1248 L3	R1323131-11	06/10/20 22:38
1248 L4	R1323131-12	06/10/20 22:51
1248 L5	R1323131-16	06/10/20 23:04
1248 L6	R1323131-14	06/10/20 23:16
1221/1254 L2	R1323131-15	06/10/20 23:42
1221/1254 L3	R1323131-18	06/10/20 23:55
1221/1254 L4	R1323131-17	06/11/20 00:08
1221/1254 L5	R1323131-19	06/11/20 00:20
1221/1254 L6	R1323131-21	06/11/20 00:33
1016/1260 L1	R1323131-22	06/11/20 00:46
1016/1260 L2	R1323131-20	06/11/20 00:59
1016/1260 L3	R1323131-24	06/11/20 01:12
1016/1260 L4	R1323131-25	06/11/20 01:24
1016/1260 L5	R1323131-23	06/11/20 01:37
1016/1260 L6	R1323131-27	06/11/20 03:07
R1323131-26 ICV	R1323131-26	06/11/20 03:46
R1323131-28 ICV	R1323131-28	06/11/20 04:11
1242/1268 L1	R1323131-29	06/11/20 23:30
1232/1262 L1	R1323131-32	06/11/20 23:42
1221/1254 L1	R1323131-31	06/11/20 23:55
R1323131-30 ICV	R1323131-30	06/12/20 00:08
R1323131-33 ICV	R1323131-33	06/12/20 00:21
R1323131-34 ICV	R1323131-34	06/12/20 00:34
WG1441136-1 CCAL	WG1441136-1	12/04/20 08:39
SB23_0-2	L2051957-01	12/04/20 13:04
SB23_5-6	L2051957-02	12/04/20 13:16

Analytical Sequence
Form 8b
PCBs

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Instrument ID	: PEST21	**Initial Calib. Date(s)**	: 10/15/20 10/15/20

Client ID	Lab ID	Date/Time Analyzed
1242/1268 L1 (100ug/L)	R1371543-1	10/15/20 13:28
1242/1268 L2 (500ug/L)	R1371543-2	10/15/20 13:35
1242/1268 L3 (1000ug/L)	R1371543-3	10/15/20 13:42
1242/1268 L4 (2500ug/L)	R1371543-4	10/15/20 13:49
1242/1268 L5 (5000ug/L)	R1371543-5	10/15/20 13:56
1242/1268 L6 (10000ug/L)	R1371543-6	10/15/20 14:02
1232/1262 L1 (100ug/L)	R1371543-7	10/15/20 14:28
1232/1262 L2 (500ug/L)	R1371543-8	10/15/20 14:35
1232/1262 L3 (1000ug/L)	R1371543-9	10/15/20 14:42
1232/1262 L4 (2500ug/L)	R1371543-10	10/15/20 14:48
1232/1262 L5 (5000ug/L)	R1371543-12	10/15/20 14:55
1232/1262 L6 (10000ug/L)	R1371543-11	10/15/20 15:02
1248 L1 (100ug/L)	R1371543-13	10/15/20 15:09
1248 L2 (500ug/L)	R1371543-15	10/15/20 15:16
1248 L3 (1000ug/L)	R1371543-14	10/15/20 15:23
1248 L4 (2500ug/L)	R1371543-16	10/15/20 15:30
1248 L5 (5000ug/L)	R1371543-17	10/15/20 15:37
1248 L6 (10000ug/L)	R1371543-18	10/15/20 15:44
1221/1254 L1 (100ug/L)	R1371543-19	10/15/20 15:50
1221/1254 L2 (500ug/L)	R1371543-20	10/15/20 15:57
1221/1254 L3 (1000ug/L)	R1371543-21	10/15/20 16:04
1221/1254 L4 (2500ug/L)	R1371543-22	10/15/20 16:11
1221/1254 L5 (5000ug/L)	R1371543-24	10/15/20 16:18
1221/1254 L6 (10000ug/L)	R1371543-23	10/15/20 16:25
1016/1260 L1 (100ug/L)	R1371543-25	10/15/20 16:32
1016/1260 L2 (500ug/L)	R1371543-26	10/15/20 16:39
1016/1260 L3 (1000ug/L)	R1371543-27	10/15/20 16:46
1016/1260 L4 (2500ug/L)	R1371543-28	10/15/20 16:52
1016/1260 L5 (5000ug/L)	R1371543-29	10/15/20 16:59
1016/1260 L6 (10000ug/L)	R1371543-30	10/15/20 17:06
R1371543-32 ICV	R1371543-32	10/15/20 17:20
R1371543-31 ICV	R1371543-31	10/15/20 17:27
R1371543-33 ICV	R1371543-33	10/15/20 17:34
R1371543-34 ICV	R1371543-34	10/15/20 17:41
R1371543-35 ICV	R1371543-35	10/16/20 13:20
WG1440203-1 CCAL	WG1440203-1	12/02/20 08:52
WG1440039-1 BLANK	WG1440039-1	12/02/20 11:03
WG1440039-2 LCS	WG1440039-2	12/02/20 11:10
WG1440039-3 LCSD	WG1440039-3	12/02/20 11:17

Date Created: 08/27/18
Created By: Jason Hebert
File: PM5369-1
Page: 1

SW-846 8082A - Polychlorinated Biphenyls (SOIL)

Holding Time: 14 days
Container / Sample Preservation: 1 - Glass 250ml/8oz unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Aroclor 1016	12674-11-2	33.5	2.97	ug/kg	40-140	50	40-140	50	50			
Aroclor 1221	11104-28-2	33.5	3.36	ug/kg	40-140	50	40-140	50	50			
Aroclor 1232	11141-16-5	33.5	7.10	ug/kg	40-140	50	40-140	50	50			
Aroclor 1242	53469-21-9	33.5	4.52	ug/kg	40-140	50	40-140	50	50			
Aroclor 1248	12672-29-6	33.5	5.03	ug/kg	40-140	50	40-140	50	50			
Aroclor 1254	11097-69-1	33.5	3.66	ug/kg	40-140	50	40-140	50	50			
Aroclor 1260	11096-82-5	33.5	6.19	ug/kg	40-140	50	40-140	50	50			
Aroclor 1262	37324-23-5	33.5	4.25	ug/kg	40-140	30	40-140	50	50			
Aroclor 1268	11100-14-4	33.5	3.47	ug/kg	40-140	30	40-140	50	50			
PCBs, Total	1336-36-3	33.5	2.97	ug/kg				50	50			
PCBs, Total	1336-36-3	33.5	2.97	ug/kg				50	50			
2,4,5,6-Tetrachloro-m-xylene	*877-09-8*									*30-150*		
Decachlorobiphenyl	*2051-24-3*									*30-150*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Date Created: 08/27/18
Created By: Jason Hebert
File: PM5369-1
Page: 1

PCB - EPA 8082A (WATER)

Holding Time: 7 days
Container / Sample Preservation: 2 - Amber 1000ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Aroclor 1016	12674-11-2	0.25	0.0156	ug/l	40-140	50	40-140	50	50			
Aroclor 1221	11104-28-2	0.25	0.0221	ug/l	40-140	50	40-140	50	50			
Aroclor 1232	11141-16-5	0.25	0.046	ug/l	40-140	50	40-140	50	50			
Aroclor 1242	53469-21-9	0.25	0.0362	ug/l	40-140	50	40-140	50	50			
Aroclor 1248	12672-29-6	0.25	0.0455	ug/l	40-140	50	40-140	50	50			
Aroclor 1254	11097-69-1	0.25	0.0168	ug/l	40-140	50	40-140	50	50			
Aroclor 1260	11096-82-5	0.25	0.0344	ug/l	40-140	50	40-140	50	50			
Aroclor 1262	37324-23-5	0.25	0.033	ug/l	40-140	30	40-140	50	50			
Aroclor 1268	11100-14-4	0.25	0.0317	ug/l	40-140	30	40-140	50	50			
PCBs, Total	1336-36-3	0.25	0.0156	ug/l				50	50			
PCBs, Total	1336-36-3	0.25	0.0156	ug/l				50	50			
2,4,5,6-Tetrachloro-m-xylene	*877-09-8*									*30-150*		
Decachlorobiphenyl	*2051-24-3*									*30-150*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Aroclor Sample Data

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Lab ID	: L2051957-01	**Date Collected**	: 11/20/20 10:15
Client ID	: SB23_0-2	**Date Received**	: 11/20/20
Sample Location	: NEW YORK, NY	**Date Analyzed**	: 12/04/20 13:04
Sample Matrix	: SOIL	**Date Extracted**	: 12/02/20
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P7201204a-09	**Analyst**	: CW
Sample Amount	: 15.62 g	**Instrument ID**	: PEST7
Extraction Method	: EPA 3546	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: 86
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	37.3	3.31	U
11104-28-2	Aroclor 1221	ND	37.3	3.74	U
11141-16-5	Aroclor 1232	ND	37.3	7.91	U
53469-21-9	Aroclor 1242	ND	37.3	5.03	U
12672-29-6	Aroclor 1248	ND	37.3	5.60	U
11097-69-1	Aroclor 1254	ND	37.3	4.08	U
11096-82-5	Aroclor 1260	ND	37.3	6.89	U
37324-23-5	Aroclor 1262	ND	37.3	4.74	U
11100-14-4	Aroclor 1268	ND	37.3	3.86	U
1336-36-3	PCBs, Total	ND	37.3	3.31	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Lab ID	: L2051957-02	**Date Collected**	: 11/20/20 10:30
Client ID	: SB23_5-6	**Date Received**	: 11/20/20
Sample Location	: NEW YORK, NY	**Date Analyzed**	: 12/04/20 13:16
Sample Matrix	: SOIL	**Date Extracted**	: 12/02/20
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P7201204a-10	**Analyst**	: CW
Sample Amount	: 15.96 g	**Instrument ID**	: PEST7
Extraction Method	: EPA 3546	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: 84
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	37.5	3.33	U
11104-28-2	Aroclor 1221	ND	37.5	3.75	U
11141-16-5	Aroclor 1232	ND	37.5	7.94	U
53469-21-9	Aroclor 1242	ND	37.5	5.05	U
12672-29-6	Aroclor 1248	ND	37.5	5.62	U
11097-69-1	Aroclor 1254	ND	37.5	4.10	U
11096-82-5	Aroclor 1260	ND	37.5	6.92	U
37324-23-5	Aroclor 1262	ND	37.5	4.76	U
11100-14-4	Aroclor 1268	ND	37.5	3.88	U
1336-36-3	PCBs, Total	ND	37.5	3.33	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Lab ID	: WG1440039-1	**Date Collected**	: NA
Client ID	: WG1440039-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 12/02/20 11:03
Sample Matrix	: SOIL	**Date Extracted**	: 12/02/20
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: 21201202a-03	**Analyst**	: JM
Sample Amount	: 15.88 g	**Instrument ID**	: PEST21
Extraction Method	: EPA 3546	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: NA
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	31.5	2.80	U
11104-28-2	Aroclor 1221	ND	31.5	3.15	U
11141-16-5	Aroclor 1232	ND	31.5	6.68	U
53469-21-9	Aroclor 1242	ND	31.5	4.24	U
12672-29-6	Aroclor 1248	ND	31.5	4.72	U
11097-69-1	Aroclor 1254	ND	31.5	3.44	U
11096-82-5	Aroclor 1260	ND	31.5	5.82	U
37324-23-5	Aroclor 1262	ND	31.5	4.00	U
11100-14-4	Aroclor 1268	ND	31.5	3.26	U
1336-36-3	PCBs, Total	ND	31.5	2.80	U

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\201204A\
Data File : P7201204a-09.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Dec 2020 1:04 pm
Operator : pest7:cw
Sample : L2051957-01,42,,
Misc : wg1441136,WG1440039,ical16890
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 04 17:10:51 2020
Quant Method : I:\Pest7\201204A\P7_pcb_06_10_20_ugL_ICAL16890.m
Quant Title : pcb
QLast Update : Tue Oct 20 00:04:47 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\201204A\P7201204a-02.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.552	2.047	963.3E6	910.9E6	250.000	250.000
	Standard Area 1 : #1 = 867550148				Recovery =		111.03%
	Standard Area 1 : #2 = 800753163				Recovery =		113.76%
14) i	2154_1br2nb	1.552	2.047	963.3E6	910.9E6	250.000	250.000
23) i	4268_1br2nb	1.552	2.047	963.3E6	910.9E6	250.000	250.000
34) i	1248_1br2nb	1.552	2.047	963.3E6	910.9E6	250.000	250.000
40) i	3262_1br2nb	1.552	2.047	963.3E6	910.9E6	250.000	250.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	2.002	2.712	1527.4E6	1561.8E6	305.816	316.094
	Spiked Amount 500.000	Range 30 - 150		Recovery =		61.16%	63.22%
3) s	Decachlorobi	6.142	7.406	1178.7E6	1405.9E6	263.607	309.429M4
	Spiked Amount 500.000	Range 30 - 150		Recovery =		52.72%	61.89%
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1016-1			0	0	N.D.	N.D.
Average	1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1260-1			0	0	N.D.	N.D.
Average	1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\201204A\
Data File : P7201204a-09.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Dec 2020 1:04 pm
Operator : pest7:cw
Sample : L2051957-01,42,,
Misc : wg1441136,WG1440039,ical16890
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 04 17:10:51 2020
Quant Method : I:\Pest7\201204A\P7_pcb_06_10_20_ugL_ICAL16890.m
Quant Title : pcb
QLast Update : Tue Oct 20 00:04:47 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\201204A\P7201204a-02.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D.	N.D.
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\201204A\
Data File : P7201204a-09.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Dec 2020 1:04 pm
Operator : pest7:cw
Sample : L2051957-01,42,,
Misc : wg1441136,WG1440039,ical16890
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 04 17:10:51 2020
Quant Method : I:\Pest7\201204A\P7_pcb_06_10_20_ugL_ICAL16890.m
Quant Title : pcb
QLast Update : Tue Oct 20 00:04:47 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\201204A\P7201204a-02.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

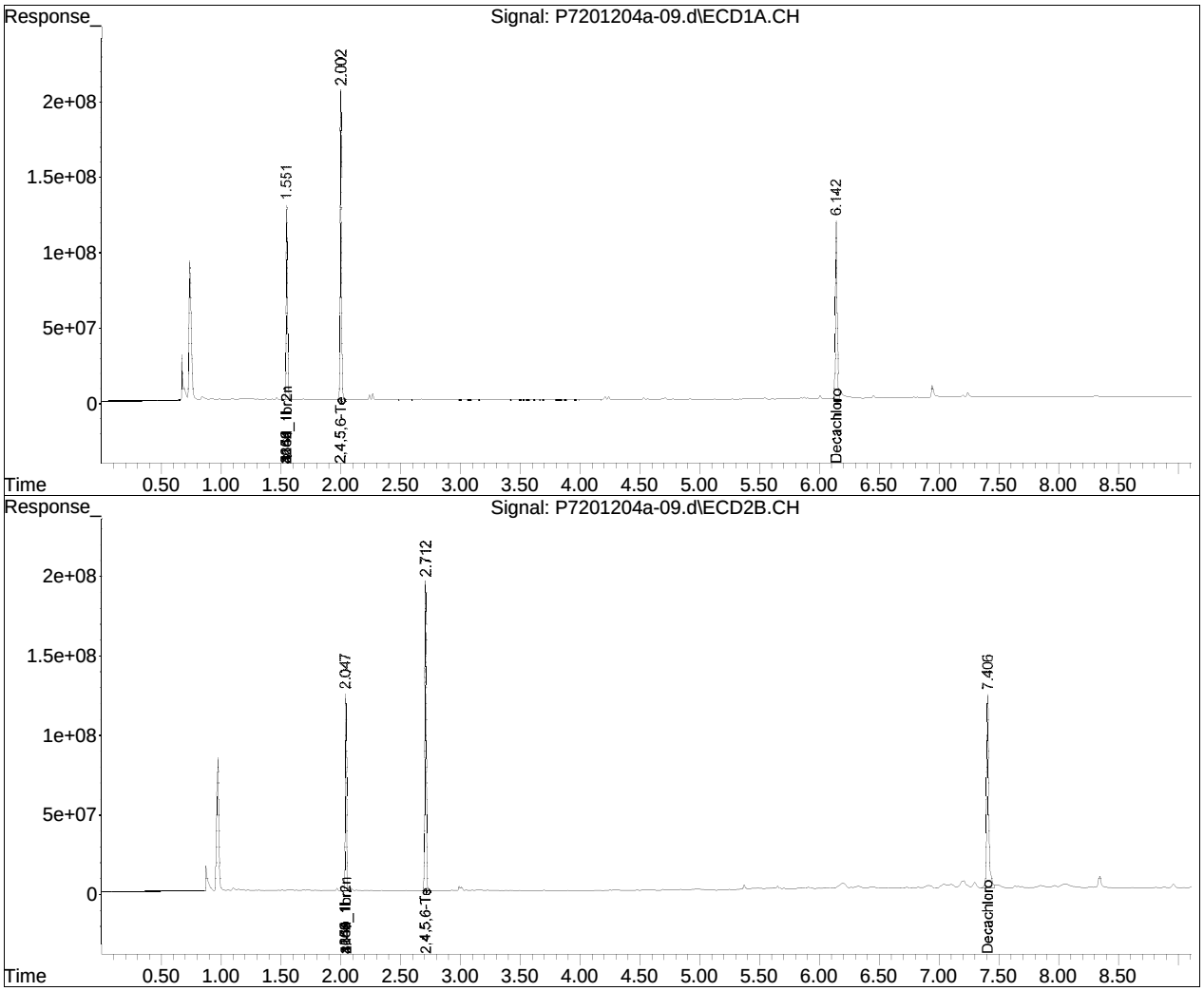
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed-02.d••ed)

Data Path : I:\Pest7\201204A\
Data File : P7201204a-09.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Dec 2020 1:04 pm
Operator : pest7:cw
Sample : L2051957-01,42,,
Misc : wg1441136,WG1440039,ical16890
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 04 17:10:51 2020
Quant Method : I:\Pest7\201204A\P7_pcb_06_10_20_ugL_ICAL16890.m
Quant Title : pcb
QLast Update : Tue Oct 20 00:04:47 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

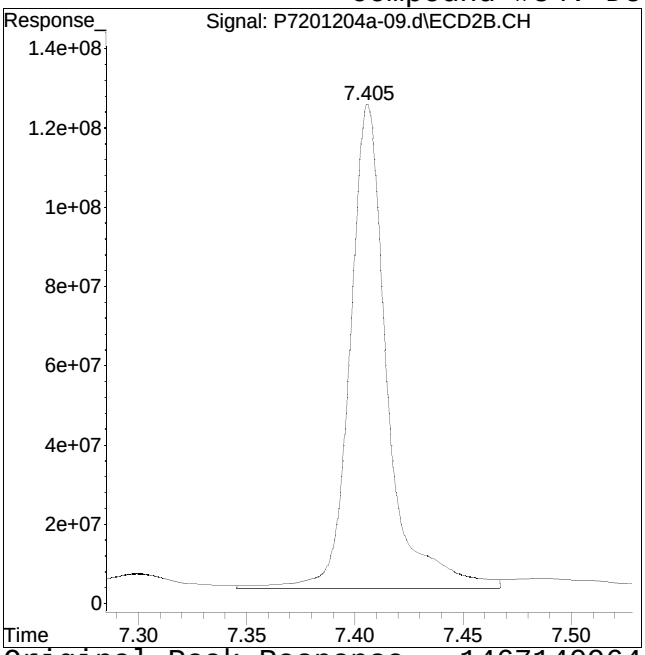


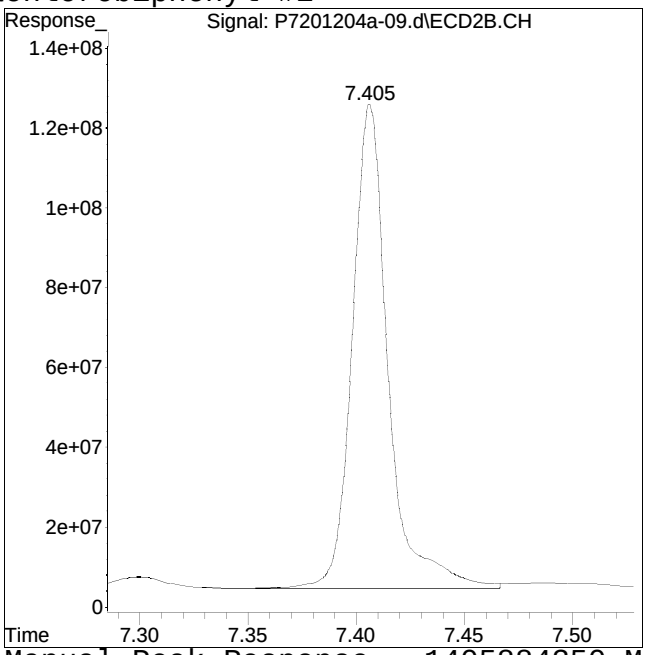
Manual Integration Report

Data Path : I:\Pest7\201204A\
Data File : P7201204a-09.d
Date Inj'd : 12/4/2020 1:04 pm
Sample : L2051957-01,42,,

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 12/4/2020 4:18 pm

Compound #54: Decachlorobiphenyl #2





Original Peak Response = 1467140964 Manual Peak Response = 1405884350 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\201204A\
Data File : P7201204a-10.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Dec 2020 1:16 pm
Operator : pest7:cw
Sample : L2051957-02,42,,
Misc : wg1441136,WG1440039,ical16890
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 04 17:12:00 2020
Quant Method : I:\Pest7\201204A\P7_pcb_06_10_20_ugL_ICAL16890.m
Quant Title : pcb
QLast Update : Tue Oct 20 00:04:47 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\201204A\P7201204a-02.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.553	2.048	914.7E6	867.0E6	250.000	250.000
	Standard Area 1 : #1 = 867550148				Recovery =	105.43%	
	Standard Area 1 : #2 = 800753163				Recovery =	108.27%	
14) i	2154_1br2nb	1.553	2.048	914.7E6	867.0E6	250.000	250.000
23) i	4268_1br2nb	1.553	2.048	914.7E6	867.0E6	250.000	250.000
34) i	1248_1br2nb	1.553	2.048	914.7E6	867.0E6	250.000	250.000
40) i	3262_1br2nb	1.553	2.048	914.7E6	867.0E6	250.000	250.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	2.004	2.713	1314.0E6	1361.2E6	277.076	289.445M4
	Spiked Amount 500.000	Range 30 - 150		Recovery =	55.42%	57.89%	
3) s	Decachlorobi	6.142	7.407	885.5E6	943.6E6	208.546M4	218.218M4
	Spiked Amount 500.000	Range 30 - 150		Recovery =	41.71%	43.64%	
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1016-1			0	0	N.D.	N.D.
Average	1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1260-1			0	0	N.D.	N.D.
Average	1260-1					0.000	0.000

Data Path : I:\Pest7\201204A\
Data File : P7201204a-10.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Dec 2020 1:16 pm
Operator : pest7:cw
Sample : L2051957-02,42,,
Misc : wg1441136,WG1440039,ical16890
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 04 17:12:00 2020
Quant Method : I:\Pest7\201204A\P7_pcb_06_10_20_ugL_ICAL16890.m
Quant Title : pcb
QLast Update : Tue Oct 20 00:04:47 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\201204A\P7201204a-02.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	l3 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16)	l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	l3 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18)	l4 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	l4 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	l4 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	l4 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	l4 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24)	l6 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	l6 1242-2	0.000	0.000	0	0	N.D.	N.D.
26)	l6 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	l6 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	l6 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29)	l9 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l9 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	l9 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	l9 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	l9 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35)	l7 1248-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\201204A\
Data File : P7201204a-10.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Dec 2020 1:16 pm
Operator : pest7:cw
Sample : L2051957-02,42,,
Misc : wg1441136,WG1440039,ical16890
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 04 17:12:00 2020
Quant Method : I:\Pest7\201204A\P7_pcb_06_10_20_ugL_ICAL16890.m
Quant Title : pcb
QLast Update : Tue Oct 20 00:04:47 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\201204A\P7201204a-02.d
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
36) l7 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D.	N.D.
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8 1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\201204A\
Data File : P7201204a-10.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Dec 2020 1:16 pm
Operator : pest7:cw
Sample : L2051957-02,42,,
Misc : wg1441136,WG1440039,ical16890
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 04 17:12:00 2020
Quant Method : I:\Pest7\201204A\P7_pcb_06_10_20_ugL_ICAL16890.m
Quant Title : pcb
QLast Update : Tue Oct 20 00:04:47 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\201204A\P7201204a-02.d
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

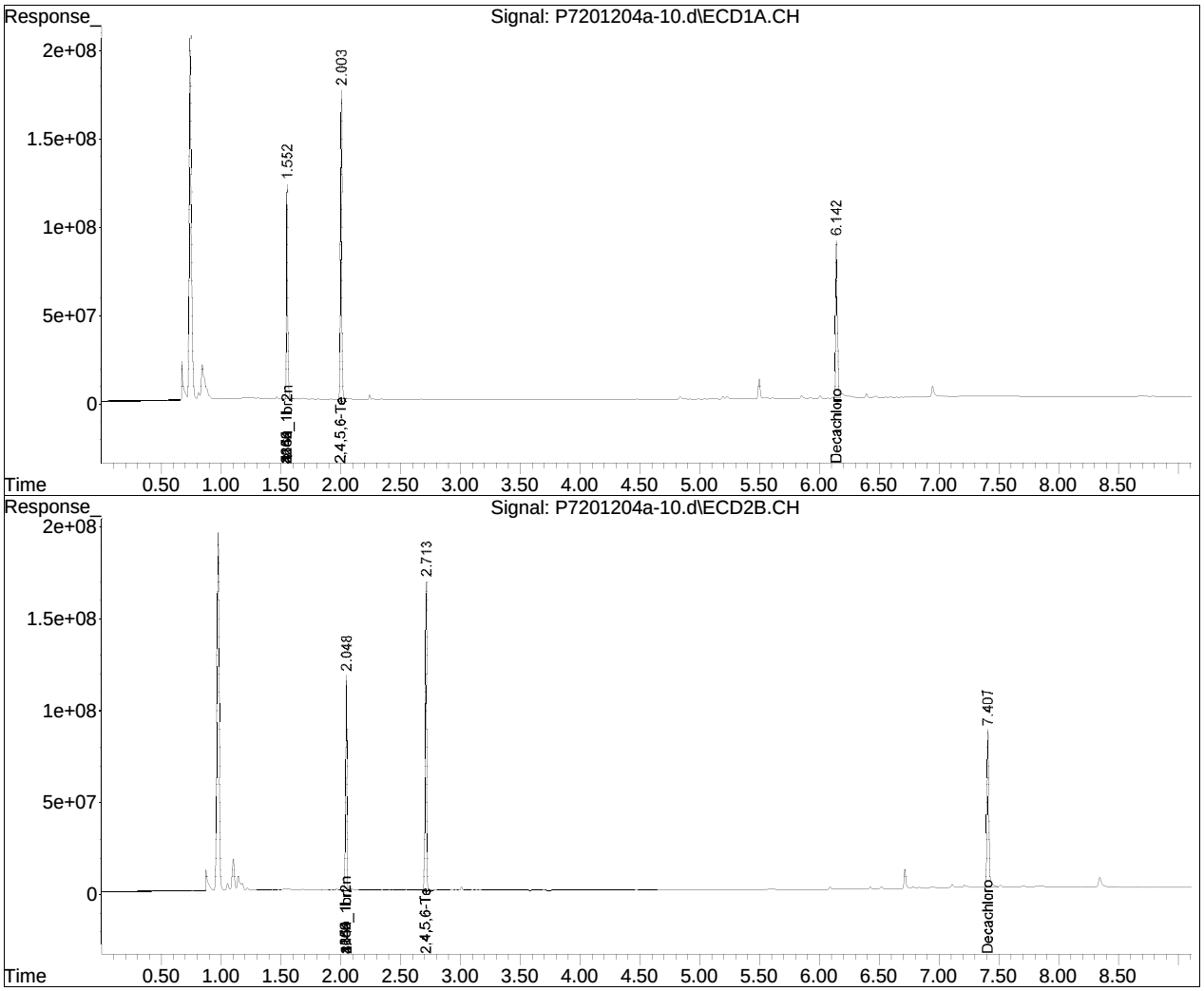
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed-02.d••ed)

Data Path : I:\Pest7\201204A\
Data File : P7201204a-10.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Dec 2020 1:16 pm
Operator : pest7:cw
Sample : L2051957-02,42,,
Misc : wg1441136,WG1440039,ical16890
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 04 17:12:00 2020
Quant Method : I:\Pest7\201204A\P7_pcb_06_10_20_ugL_ICAL16890.m
Quant Title : pcb
QLast Update : Tue Oct 20 00:04:47 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

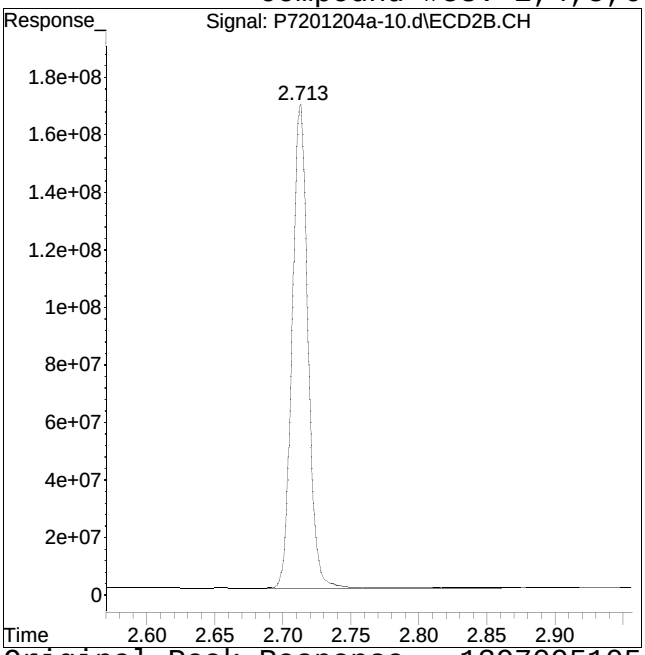


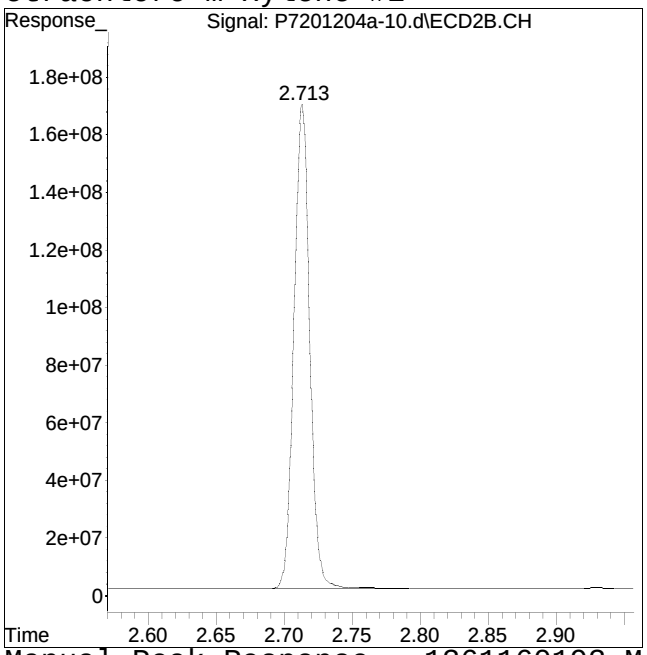
Manual Integration Report

Data Path : I:\Pest7\201204A\
Data File : P7201204a-10.d
Date Inj'd : 12/4/2020 1:16 pm
Sample : L2051957-02,42,,

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 12/4/2020 4:18 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2





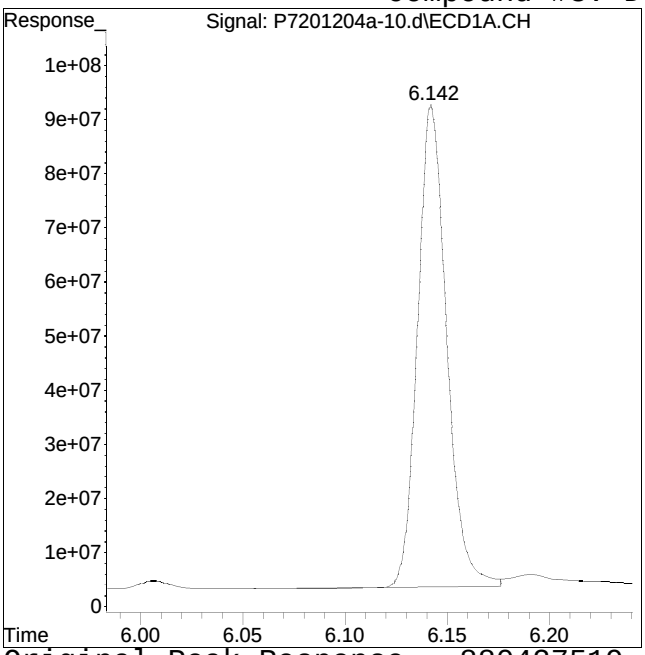
Original Peak Response = 1397095105 Manual Peak Response = 1361160193 M4
M4 = Poor automated baseline construction.

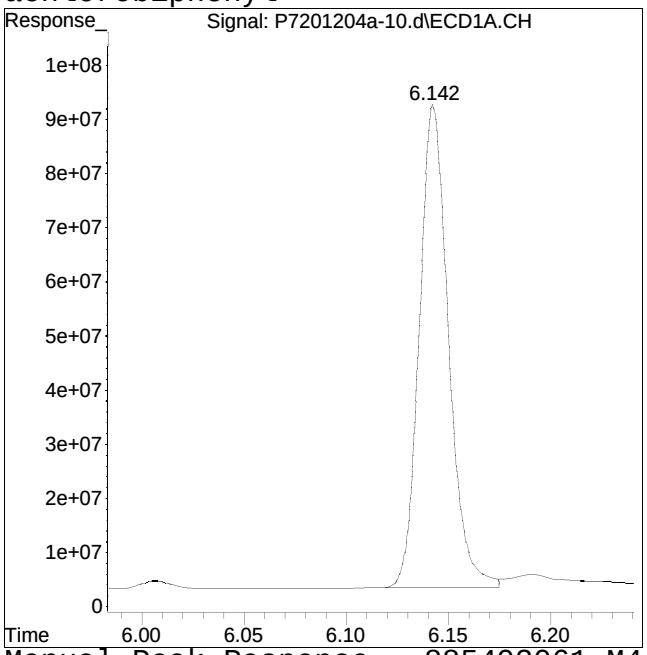
Manual Integration Report

Data Path : I:\Pest7\201204A\
Data File : P7201204a-10.d
Date Inj'd : 12/4/2020 1:16 pm
Sample : L2051957-02,42,,

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 12/4/2020 4:18 pm

Compound #3: Decachlorobiphenyl





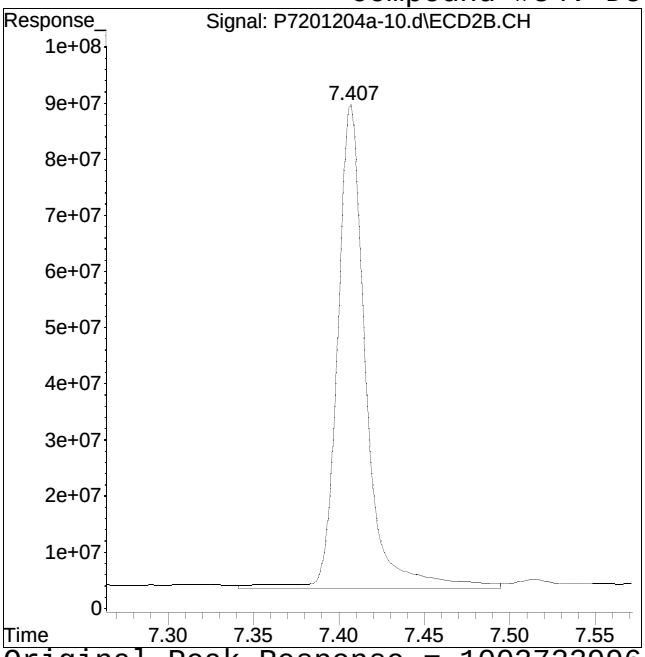
Original Peak Response = 880427519 Manual Peak Response = 885493061 M4
M4 = Poor automated baseline construction.

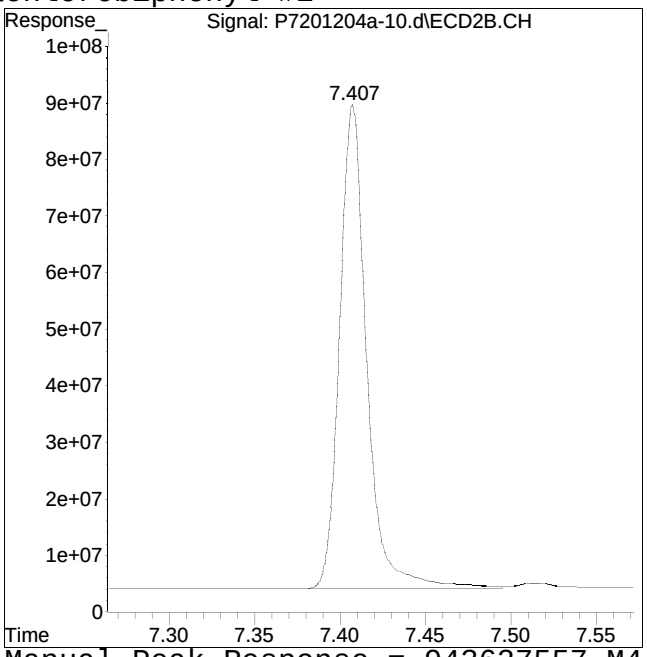
Manual Integration Report

Data Path : I:\Pest7\201204A\
Data File : P7201204a-10.d
Date Inj'd : 12/4/2020 1:16 pm
Sample : L2051957-02,42,,

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 12/4/2020 4:18 pm

Compound #54: Decachlorobiphenyl #2





Original Peak Response = 1003723996 Manual Peak Response = 943627557 M4
M4 = Poor automated baseline construction.

Aroclor Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
PCBs

Client	**: Langan Engineering & Environmental**	**Lab Number**	**: L2051957**
Project Name	**: 266-270 W. 96TH STREET**	**Project Number**	**: 170432001**
Instrument ID	**: PEST7**	**Ical Ref**	**: ICAL16890**
Calibration dates	**: 06/10/20 19:51 06/11/20 23:55**		

Calibration Files

1 =P7200610ical-43.d 2 =P7200610ical-06.d 3 =P7200610ical-07.d 4 =P7200610ical-08.d

5 =P7200610ical-09.d 6 =P7200610ical-10.d

		Compound	1	2	3	4	5	6	Avg	%RSD
1)	i	1660_1br2nb	----------ISTD----------							
2)	s	2,4,5,6-Tetrachloro-m-xylene	1.588	1.329	1.297	1.272	1.177	1.114	1.296	12.64
3)	s	Decachlorobiphenyl	1.501	1.208	1.153	1.091	1.049	0.961	1.161	16.12
4)	l1	1016-1	0.032	0.027	0.025	0.023	0.022	0.020	0.025	17.01
5)	l1	1016-2	0.071	0.058	0.054	0.051	0.047	0.044	0.054	17.62
6)	l1	1016-3	0.139	0.117	0.110	0.105	0.101	0.093	0.111	14.41
7)	l1	1016-4	0.058	0.050	0.046	0.044	0.040	0.038	0.046	15.77
8)	l1	1016-5	0.065	0.054	0.051	0.048	0.044	0.041	0.051	16.91
9)	l2	1260-1	0.091	0.075	0.073	0.069	0.064	0.059	0.072	15.17
10)	l2	1260-2	0.132	0.111	0.107	0.103	0.097	0.089	0.107	13.96
11)	l2	1260-3	0.084	0.073	0.071	0.068	0.065	0.060	0.070	11.63
12)	l2	1260-4	0.170	0.147	0.146	0.142	0.135	0.124	0.144	10.68
13)	l2	1260-5	0.126	0.109	0.107	0.103	0.099	0.093	0.106	10.63
14)	i	2154_1br2nb	----------ISTD----------							
15)	l3	1221-2	0.017	0.016	0.015	0.014	0.013	0.012	0.014	12.55
16)	l3	1221-3	0.011	0.010	0.009	0.009	0.008	0.007	0.009	13.72
17)	l3	1221-4	0.039	0.035	0.033	0.030	0.029	0.027	0.032	13.49
18)	l4	1254-1	0.052	0.049	0.045	0.042	0.040	0.037	0.044	11.91
19)	l4	1254-2	0.088	0.083	0.078	0.074	0.071	0.066	0.077	10.64
20)	l4	1254-3	0.081	0.080	0.075	0.072	0.069	0.065	0.074	8.42
21)	l4	1254-4	0.057	0.061	0.057	0.056	0.054	0.051	0.056	5.93
22)	l4	1254-5	0.087	0.090	0.084	0.080	0.078	0.073	0.082	7.55
23)	i	4268_1br2nb	----------ISTD----------							
24)	l6	1242-1	0.025	0.020	0.019	0.017	0.016	0.015	0.019	19.11
25)	l6	1242-2	0.056	0.044	0.041	0.038	0.037	0.034	0.042	18.88
26)	l6	1242-3	0.110	0.088	0.083	0.078	0.077	0.071	0.085	16.40
27)	l6	1242-4	0.046	0.037	0.036	0.033	0.032	0.029	0.035	16.33
28)	l6	1242-5	0.034	0.029	0.028	0.027	0.026	0.025	0.028	11.77
29)	l9	1268-1	0.198	0.172	0.165	0.160	0.158	0.149	0.167	10.18
30)	l9	1268-2	0.203	0.180	0.169	0.161	0.156	0.145	0.169	12.07
31)	l9	1268-3	0.158	0.140	0.133	0.130	0.127	0.120	0.135	9.89
32)	l9	1268-4	0.057	0.063	0.060	0.060	0.058	0.056	0.059	4.34
33)	l9	1268-5	0.455	0.423	0.393	0.386	0.372	0.344	0.396	9.78
34)	i	1248_1br2nb	----------ISTD----------							
35)	l7	1248-1	0.036	0.031	0.029	0.028	0.026	0.024	0.029	13.58
36)	l7	1248-2	0.046	0.039	0.036	0.034	0.032	0.030	0.036	15.69

Initial Calibration Summary
Form 6
PCBs

Client	**: Langan Engineering & Environmental**	**Lab Number**	**: L2051957**
Project Name	**: 266-270 W. 96TH STREET**	**Project Number**	**: 170432001**
Instrument ID	**: PEST7**	**Ical Ref**	**: ICAL16890**
Calibration dates	**: 06/10/20 19:51 06/11/20 23:55**		

Calibration Files

1 =P7200610ical-43.d 2 =P7200610ical-06.d 3 =P7200610ical-07.d 4 =P7200610ical-08.d

5 =P7200610ical-09.d 6 =P7200610ical-10.d

	Compound	1	2	3	4	5	6	Avg	%RSD
37) l7	1248-3	0.074	0.064	0.061	0.057	0.054	0.049	0.060	14.35
38) l7	1248-4	0.058	0.053	0.051	0.049	0.047	0.044	0.050	9.94
39) l7	1248-5	0.050	0.047	0.045	0.043	0.041	0.038	0.044	10.00
40) i	3262_1br2nb	----------ISTD----------							
41) l5	1232-1	0.034	0.028	0.025	0.024	0.022	0.021	0.026	18.79
42) l5	1232-2	0.034	0.028	0.025	0.024	0.022	0.021	0.025	19.00
43) l5	1232-3	0.065	0.056	0.051	0.049	0.046	0.044	0.052	14.94
44) l5	1232-4	0.026	0.023	0.021	0.020	0.019	0.018	0.021	14.34
45) l5	1232-5	0.018	0.017	0.015	0.015	0.014	0.014	0.015	10.88
46) l8	1262-1	0.085	0.075	0.069	0.066	0.063	0.060	0.069	12.96
47) l8	1262-2	0.103	0.092	0.085	0.081	0.077	0.074	0.085	12.71
48) l8	1262-3	0.094	0.085	0.078	0.075	0.072	0.070	0.079	11.29
49) l8	1262-4	0.171	0.157	0.147	0.142	0.136	0.132	0.147	9.75
50) l8	1262-5	0.059	0.055	0.051	0.049	0.047	0.047	0.051	9.37

Initial Calibration Summary
Form 6
PCBs

Client	**: Langan Engineering & Environmental**	**Lab Number**	**: L2051957**
Project Name	**: 266-270 W. 96TH STREET**	**Project Number**	**: 170432001**
Instrument ID	**: PEST7**	**Ical Ref**	**: ICAL16890**
Calibration dates	**: 06/10/20 19:51 06/11/20 23:55**		

Signal #2 Calibration Files

1 =P7200610ical-43.d 2 =P7200610ical-06.d 3 =P7200610ical-07.d 4 =P7200610ical-08.d

5 =P7200610ical-09.d 6 =P7200610ical-10.d

		Compound	1	2	3	4	5	6	Avg	%RSD
1)	i	1660_1br2nb	----------ISTD----------							
2)	s	2,4,5,6-Tetra	1.547	1.359	1.334	1.341	1.285	1.270	1.356	7.35
3)	s	Decachlorobip	1.517	1.245	1.215	1.207	1.172	1.124	1.247	11.13
4)	l1	1016-1	0.033	0.027	0.025	0.024	0.022	0.021	0.025	17.06
5)	l1	1016-2	0.074	0.058	0.055	0.053	0.050	0.048	0.057	16.32
6)	l1	1016-3	0.137	0.112	0.109	0.108	0.103	0.102	0.112	11.42
7)	l1	1016-4	0.054	0.045	0.043	0.042	0.040	0.038	0.044	12.86
8)	l1	1016-5	0.045	0.037	0.036	0.035	0.033	0.032	0.037	13.02
9)	l2	1260-1	0.094	0.077	0.074	0.073	0.070	0.067	0.076	12.33
10)	l2	1260-2	0.111	0.093	0.090	0.089	0.085	0.082	0.092	11.47
11)	l2	1260-3	0.090	0.077	0.075	0.075	0.072	0.070	0.076	9.34
12)	l2	1260-4	0.179	0.156	0.155	0.157	0.153	0.148	0.158	6.87
13)	l2	1260-5	0.119	0.103	0.102	0.102	0.103	0.099	0.105	6.82
14)	i	2154_1br2nb	----------ISTD----------							
15)	l3	1221-2	0.018	0.016	0.015	0.013	0.013	0.012	0.014	14.02
16)	l3	1221-3	0.011	0.010	0.010	0.009	0.008	0.008	0.009	15.57
17)	l3	1221-4	0.040	0.037	0.034	0.031	0.030	0.028	0.033	13.36
18)	l4	1254-1	0.059	0.055	0.050	0.048	0.047	0.045	0.051	10.55
19)	l4	1254-2	0.065	0.061	0.057	0.054	0.054	0.051	0.057	9.47
20)	l4	1254-3	0.088	0.085	0.080	0.078	0.077	0.074	0.080	6.31
21)	l4	1254-4	0.065	0.063	0.059	0.056	0.056	0.053	0.059	7.27
22)	l4	1254-5	0.093	0.091	0.086	0.083	0.082	0.079	0.086	6.70
23)	i	4268_1br2nb	----------ISTD----------							
24)	l6	1242-1	0.027	0.021	0.019	0.018	0.017	0.016	0.019	19.70
25)	l6	1242-2	0.059	0.048	0.043	0.041	0.039	0.037	0.045	18.61
26)	l6	1242-3	0.106	0.087	0.083	0.080	0.080	0.076	0.085	12.66
27)	l6	1242-4	0.043	0.035	0.033	0.031	0.031	0.029	0.034	15.30
28)	l6	1242-5	0.034	0.029	0.028	0.026	0.026	0.025	0.028	11.83
29)	l9	1268-1	0.204	0.181	0.175	0.175	0.178	0.174	0.181	6.32
30)	l9	1268-2	0.228	0.193	0.180	0.175	0.174	0.166	0.186	12.13
31)	l9	1268-3	0.168	0.148	0.141	0.140	0.142	0.138	0.146	7.80
32)	l9	1268-4	0.079	0.071	0.064	0.064	0.064	0.061	0.067	9.95
33)	l9	1268-5	0.511	0.457	0.434	0.437	0.444	0.430	0.452	6.75
34)	i	1248_1br2nb	----------ISTD----------							
35)	l7	1248-1	0.034	0.030	0.029	0.028	0.027	0.026	0.029	10.31
36)	l7	1248-2	0.046	0.039	0.037	0.035	0.034	0.032	0.037	13.49

Initial Calibration Summary
Form 6
PCBs

Client	**: Langan Engineering & Environmental**	**Lab Number**	**: L2051957**
Project Name	**: 266-270 W. 96TH STREET**	**Project Number**	**: 170432001**
Instrument ID	**: PEST7**	**Ical Ref**	**: ICAL16890**
Calibration dates	**: 06/10/20 19:51 06/11/20 23:55**		

Signal #2 Calibration Files

1 =P7200610ical-43.d 2 =P7200610ical-06.d 3 =P7200610ical-07.d 4 =P7200610ical-08.d

5 =P7200610ical-09.d 6 =P7200610ical-10.d

	Compound	1	2	3	4	5	6	Avg	%RSD
37) l7	1248-3	0.054	0.047	0.045	0.043	0.042	0.040	0.045	10.70
38) l7	1248-4	0.057	0.051	0.049	0.048	0.047	0.045	0.049	8.27
39) l7	1248-5	0.067	0.059	0.057	0.055	0.054	0.051	0.057	9.92
40) i	3262_1br2nb	----------ISTD----------							
41) l5	1232-1	0.035	0.029	0.026	0.024	0.023	0.022	0.026	17.72
42) l5	1232-2	0.037	0.031	0.028	0.026	0.024	0.023	0.028	18.58
43) l5	1232-3	0.061	0.054	0.050	0.049	0.046	0.045	0.051	11.82
44) l5	1232-4	0.026	0.022	0.020	0.019	0.018	0.017	0.020	16.16
45) l5	1232-5	0.018	0.016	0.015	0.014	0.014	0.014	0.015	12.28
46) l8	1262-1	0.076	0.067	0.062	0.060	0.058	0.058	0.064	11.13
47) l8	1262-2	0.104	0.092	0.085	0.083	0.081	0.081	0.088	10.01
48) l8	1262-3	0.096	0.087	0.081	0.079	0.078	0.077	0.083	8.82
49) l8	1262-4	0.172	0.161	0.152	0.150	0.149	0.150	0.155	5.82
50) l8	1262-5	0.069	0.065	0.061	0.059	0.058	0.058	0.062	7.36

Initial Calibration Summary
Form 6
PCBs

Client	**: Langan Engineering & Environmental**	**Lab Number**	**: L2051957**
Project Name	**: 266-270 W. 96TH STREET**	**Project Number**	**: 170432001**
Instrument ID	**: PEST21**	**Ical Ref**	**: ICAL17343**
Calibration dates	**: 10/15/20 13:28 10/15/20 17:06**		

Calibration Files
1 =21201015-29.D 2 =21201015-30.D 3 =21201015-31.D 4 =21201015-32.D 5 =21201015-33.D
6 =21201015-34.D

		Compound	1	2	3	4	5	6	Avg	%RSD
1)	i	1660_1br2nb	----------ISTD----------							
2)	s	2,4,5,6-Tetra	1.653	1.683	1.579	1.502	1.637	1.562	1.603	4.19
3)	s	Decachlorobip	1.410	1.233	1.184	1.099	1.158	1.094	1.196	9.78
4)	l1	1016-1	0.031	0.030	0.028	0.025	0.026	0.024	0.027	10.17
5)	l1	1016-2	0.067	0.061	0.058	0.053	0.055	0.052	0.058	9.66
6)	l1	1016-3	0.127	0.123	0.119	0.112	0.118	0.111	0.118	5.06
7)	l1	1016-4	0.055	0.054	0.049	0.045	0.047	0.046	0.049	8.38
8)	l1	1016-5	0.059	0.055	0.052	0.048	0.050	0.047	0.052	9.09
9)	l2	1260-1	0.082	0.076	0.072	0.067	0.070	0.065	0.072	8.65
10)	l2	1260-2	0.122	0.114	0.109	0.101	0.106	0.100	0.109	7.51
11)	l2	1260-3	0.078	0.074	0.071	0.066	0.069	0.065	0.070	6.96
12)	l2	1260-4	0.159	0.157	0.153	0.144	0.153	0.144	0.152	4.20
13)	l2	1260-5	0.118	0.112	0.108	0.072	0.108	0.101	0.104	15.66
14)	i	2154_1br2nb	----------ISTD----------							
15)	l3	1221-1	0.018	0.017	0.017	0.015	0.015	0.015	0.016	8.30
16)	l3	1221-2	0.011	0.010	0.010	0.009	0.009	0.009	0.009	9.16
17)	l3	1221-3	0.043	0.040	0.039	0.035	0.034	0.035	0.037	9.35
18)	l4	1254-1	0.054	0.050	0.049	0.045	0.044	0.046	0.048	7.68
19)	l4	1254-2	0.095	0.087	0.085	0.079	0.077	0.080	0.084	7.79
20)	l4	1254-3	0.088	0.084	0.084	0.078	0.078	0.080	0.082	4.77
21)	l4	1254-4	0.068	0.064	0.064	0.060	0.059	0.061	0.063	5.15
22)	l4	1254-5	0.098	0.091	0.091	0.085	0.084	0.087	0.089	5.99
23)	i	4268_1br2nb	----------ISTD----------							
24)	l6	1242-1	0.025	0.022	0.022	0.020	0.019	0.019	0.021	10.66
25)	l6	1242-2	0.056	0.048	0.050	0.046	0.043	0.044	0.048	10.54
26)	l6	1242-3	0.102	0.090	0.096	0.092	0.087	0.090	0.093	5.79
27)	l6	1242-4	0.046	0.040	0.042	0.039	0.035	0.036	0.040	10.34
28)	l6	1242-5	0.035	0.029	0.031	0.029	0.028	0.029	0.030	8.58
29)	l9	1268-1	0.209	0.186	0.197	0.189	0.182	0.190	0.192	5.06
30)	l9	1268-2	0.206	0.171	0.181	0.173	0.165	0.172	0.178	8.13
31)	l9	1268-3	0.166	0.143	0.151	0.146	0.140	0.146	0.149	6.17
32)	l9	1268-4	0.073	0.064	0.068	0.064	0.061	0.065	0.066	6.00
33)	l9	1268-5	0.493	0.433	0.461	0.447	0.428	0.448	0.452	5.19
34)	i	1248_1br2nb	----------ISTD----------							
35)	l7	1248-1	0.067	0.064	0.061	0.061	0.062	0.059	0.062	4.28
36)	l7	1248-2	0.084	0.079	0.076	0.072	0.072	0.068	0.075	7.90

Initial Calibration Summary
Form 6
PCBs

Client	**: Langan Engineering & Environmental**	**Lab Number**	**: L2051957**
Project Name	**: 266-270 W. 96TH STREET**	**Project Number**	**: 170432001**
Instrument ID	**: PEST21**	**Ical Ref**	**: ICAL17343**
Calibration dates	**: 10/15/20 13:28 10/15/20 17:06**		

Calibration Files

1 =21201015-29.D 2 =21201015-30.D 3 =21201015-31.D 4 =21201015-32.D 5 =21201015-33.D

6 =21201015-34.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) l7 1248-3	0.074	0.068	0.065	0.063	0.064	0.060	0.066	7.46
38) l7 1248-4	0.060	0.057	0.055	0.054	0.055	0.053	0.055	4.57
39) l7 1248-5	0.056	0.052	0.050	0.049	0.050	0.047	0.051	6.31
40) i 3262_1br2nb	----------ISTD----------							
41) l5 1232-1	0.034	0.034	0.031	0.031	0.028	0.027	0.031	9.45
42) l5 1232-2	0.033	0.032	0.028	0.028	0.026	0.025	0.029	10.82
43) l5 1232-3	0.063	0.062	0.057	0.058	0.054	0.054	0.058	6.51
44) l5 1232-4	0.026	0.026	0.024	0.024	0.022	0.021	0.024	8.22
45) l5 1232-5	0.019	0.019	0.017	0.017	0.016	0.016	0.017	7.73
46) l8 1262-1	0.086	0.085	0.078	0.079	0.073	0.072	0.079	7.77
47) l8 1262-2	0.116	0.110	0.100	0.100	0.092	0.092	0.102	9.52
48) l8 1262-3	0.097	0.097	0.089	0.091	0.084	0.083	0.090	6.89
49) l8 1262-4	0.203	0.188	0.174	0.180	0.168	0.167	0.180	7.55
50) l8 1262-5	0.072	0.063	0.059	0.060	0.056	0.056	0.061	10.09

Initial Calibration Summary
Form 6
PCBs

Client	**: Langan Engineering & Environmental**	**Lab Number**	**: L2051957**
Project Name	**: 266-270 W. 96TH STREET**	**Project Number**	**: 170432001**
Instrument ID	**: PEST21**	**Ical Ref**	**: ICAL17343**
Calibration dates	**: 10/15/20 13:28 10/15/20 17:06**		

Signal #2 Calibration Files

1 =21201015-29.D 2 =21201015-30.D 3 =21201015-31.D 4 =21201015-32.D 5 =21201015-33.D

6 =21201015-34.D

		Compound	1	2	3	4	5	6	Avg	%RSD
1)	i	1660_1br2nb	----------ISTD----------							
2)	s	2,4,5,6-Tetra	1.390	1.290	1.246	1.193	1.277	1.218	1.269	5.47
3)	s	Decachlorobip	1.033	0.876	0.841	0.789	0.836	0.795	0.862	10.43
4)	l1	1016-1	0.026	0.024	0.022	0.019	0.020	0.019	0.022	12.79
5)	l1	1016-2	0.056	0.050	0.047	0.042	0.044	0.041	0.047	12.06
6)	l1	1016-3	0.109	0.100	0.095	0.089	0.094	0.088	0.096	8.15
7)	l1	1016-4	0.044	0.041	0.036	0.035	0.035	0.034	0.038	10.42
8)	l1	1016-5	0.035	0.033	0.030	0.028	0.029	0.027	0.030	9.60
9)	l2	1260-1	0.065	0.062	0.057	0.053	0.056	0.052	0.058	8.80
10)	l2	1260-2	0.077	0.072	0.068	0.063	0.067	0.062	0.068	8.09
11)	l2	1260-3	0.064	0.060	0.057	0.053	0.056	0.053	0.057	7.86
12)	l2	1260-4	0.128	0.122	0.118	0.112	0.119	0.113	0.119	4.95
13)	l2	1260-5	0.089	0.085	0.080	0.076	0.081	0.077	0.081	6.29
14)	i	2154_1br2nb	----------ISTD----------							
15)	l3	1221-1	0.015	0.013	0.013	0.012	0.012	0.012	0.013	9.56
16)	l3	1221-2	0.009	0.009	0.009	0.007	0.007	0.007	0.008	11.63
17)	l3	1221-3	0.034	0.031	0.030	0.027	0.026	0.026	0.029	10.52
18)	l4	1254-1	0.049	0.044	0.043	0.039	0.039	0.039	0.042	9.26
19)	l4	1254-2	0.059	0.051	0.049	0.044	0.044	0.044	0.049	12.39
20)	l4	1254-3	0.080	0.074	0.073	0.068	0.067	0.069	0.072	7.07
21)	l4	1254-4	0.051	0.050	0.049	0.045	0.043	0.045	0.047	7.01
22)	l4	1254-5	0.077	0.072	0.071	0.065	0.065	0.066	0.069	7.06
23)	i	4268_1br2nb	----------ISTD----------							
24)	l6	1242-1	0.020	0.017	0.017	0.015	0.014	0.014	0.016	12.36
25)	l6	1242-2	0.044	0.037	0.037	0.034	0.032	0.032	0.036	12.89
26)	l6	1242-3	0.083	0.072	0.074	0.070	0.067	0.068	0.072	7.77
27)	l6	1242-4	0.035	0.030	0.031	0.028	0.026	0.027	0.029	11.16
28)	l6	1242-5	0.028	0.023	0.024	0.023	0.021	0.022	0.024	10.33
29)	l9	1268-1	0.158	0.136	0.145	0.141	0.134	0.141	0.142	5.89
30)	l9	1268-2	0.147	0.123	0.130	0.125	0.119	0.123	0.128	7.96
31)	l9	1268-3	0.121	0.103	0.109	0.106	0.101	0.105	0.107	6.61
32)	l9	1268-4	0.053	0.047	0.049	0.046	0.045	0.047	0.048	5.79
33)	l9	1268-5	0.348	0.309	0.334	0.322	0.310	0.251	0.312	10.68
34)	i	1248_1br2nb	----------ISTD----------							
35)	l7	1248-1	0.057	0.053	0.050	0.048	0.049	0.047	0.050	7.37
36)	l7	1248-2	0.037	0.033	0.031	0.029	0.030	0.028	0.031	10.60

Initial Calibration Summary
Form 6
PCBs

Client	**: Langan Engineering & Environmental**	**Lab Number**	**: L2051957**
Project Name	**: 266-270 W. 96TH STREET**	**Project Number**	**: 170432001**
Instrument ID	**: PEST21**	**Ical Ref**	**: ICAL17343**
Calibration dates	**: 10/15/20 13:28 10/15/20 17:06**		

Signal #2 Calibration Files

1 =21201015-29.D 2 =21201015-30.D 3 =21201015-31.D 4 =21201015-32.D 5 =21201015-33.D

6 =21201015-34.D

	Compound	1	2	3	4	5	6	Avg	%RSD
37) l7	1248-3	0.045	0.041	0.038	0.037	0.038	0.035	0.039	9.10
38) l7	1248-4	0.049	0.045	0.042	0.041	0.041	0.040	0.043	8.08
39) l7	1248-5	0.055	0.051	0.047	0.046	0.047	0.044	0.048	8.17
40) i	3262_1br2nb	----------ISTD----------							
41) l5	1232-1	0.028	0.028	0.024	0.024	0.021	0.021	0.024	12.40
42) l5	1232-2	0.028	0.027	0.024	0.023	0.021	0.020	0.024	13.11
43) l5	1232-3	0.052	0.051	0.046	0.046	0.042	0.042	0.046	8.72
44) l5	1232-4	0.022	0.020	0.019	0.018	0.017	0.016	0.019	11.52
45) l5	1232-5	0.016	0.015	0.014	0.013	0.012	0.012	0.014	11.95
46) l8	1262-1	0.061	0.059	0.053	0.053	0.048	0.047	0.054	10.46
47) l8	1262-2	0.081	0.082	0.075	0.073	0.067	0.066	0.074	9.27
48) l8	1262-3	0.081	0.075	0.068	0.069	0.064	0.063	0.070	9.88
49) l8	1262-4	0.144	0.139	0.129	0.132	0.122	0.122	0.131	6.81
50) l8	1262-5	0.054	0.051	0.046	0.047	0.044	0.044	0.048	8.07

Response Factor Report Pest 7

Method Path : I:\Pest7\200610ical\
Method File : P7_pcb_06_10_20_ugL_ICAL.m
Title : pcb
Last Update : Fri Jun 12 20:42:13 2020
Response Via : Initial Calibration

Calibration Files
1 =P7200610ical-43.d 2 =P7200610ical-06.d 3 =P7200610ical-07.d 4 =P7200610ical-08.d
5 =P7200610ical-09.d 6 =P7200610ical-10.d

		Compound	1	2	3	4	5	6	Avg	%RSD
1)	i	1660_1br2nb	----------ISTD----------							
2)	s	2,4,5,6-Tetra...	1.588	1.329	1.297	1.272	1.177	1.114	1.296	12.64
3)	s	Decachlorobip...	1.501	1.208	1.153	1.091	1.049	0.961	1.161	16.12
4)	l1	1016-1	0.032	0.027	0.025	0.023	0.022	0.020	0.025	17.01
5)	l1	1016-2	0.071	0.058	0.054	0.051	0.047	0.044	0.054	17.62
6)	l1	1016-3	0.139	0.117	0.110	0.105	0.101	0.093	0.111	14.41
7)	l1	1016-4	0.058	0.050	0.046	0.044	0.040	0.038	0.046	15.77
8)	l1	1016-5	0.065	0.054	0.051	0.048	0.044	0.041	0.051	16.91
9)	l2	1260-1	0.091	0.075	0.073	0.069	0.064	0.059	0.072	15.17
10)	l2	1260-2	0.132	0.111	0.107	0.103	0.097	0.089	0.107	13.96
11)	l2	1260-3	0.084	0.073	0.071	0.068	0.065	0.060	0.070	11.63
12)	l2	1260-4	0.170	0.147	0.146	0.142	0.135	0.124	0.144	10.68
13)	l2	1260-5	0.126	0.109	0.107	0.103	0.099	0.093	0.106	10.63
14)	i	2154_1br2nb	----------ISTD----------							
15)	l3	1221-2	0.017	0.016	0.015	0.014	0.013	0.012	0.014	12.55
16)	l3	1221-3	0.011	0.010	0.009	0.009	0.008	0.007	0.009	13.72
17)	l3	1221-4	0.039	0.035	0.033	0.030	0.029	0.027	0.032	13.49
18)	l4	1254-1	0.052	0.049	0.045	0.042	0.040	0.037	0.044	11.91
19)	l4	1254-2	0.088	0.083	0.078	0.074	0.071	0.066	0.077	10.64
20)	l4	1254-3	0.081	0.080	0.075	0.072	0.069	0.065	0.074	8.42
21)	l4	1254-4	0.057	0.061	0.057	0.056	0.054	0.051	0.056	5.93
22)	l4	1254-5	0.087	0.090	0.084	0.080	0.078	0.073	0.082	7.55
23)	i	4268_1br2nb	----------ISTD----------							
24)	l6	1242-1	0.025	0.020	0.019	0.017	0.016	0.015	0.019	19.11
25)	l6	1242-2	0.056	0.044	0.041	0.038	0.037	0.034	0.042	18.88
26)	l6	1242-3	0.110	0.088	0.083	0.078	0.077	0.071	0.085	16.40
27)	l6	1242-4	0.046	0.037	0.036	0.033	0.032	0.029	0.035	16.33
28)	l6	1242-5	0.034	0.029	0.028	0.027	0.026	0.025	0.028	11.77
29)	l9	1268-1	0.198	0.172	0.165	0.160	0.158	0.149	0.167	10.18

Method Path : I:\Pest7\200610ical\
Method File : P7_pcb_06_10_20_ugL_ICAL.m
Title : pcb
Last Update : Fri Jun 12 20:42:13 2020
Response Via : Initial Calibration

Calibration Files
1 =P7200610ical-43.d 2 =P7200610ical-06.d 3 =P7200610ical-07.d 4 =P7200610ical-08.d
5 =P7200610ical-09.d 6 =P7200610ical-10.d

		Compound	1	2	3	4	5	6	Avg	%RSD
30)	l9	1268-2	0.203	0.180	0.169	0.161	0.156	0.145	0.169	12.07
31)	l9	1268-3	0.158	0.140	0.133	0.130	0.127	0.120	0.135	9.89
32)	l9	1268-4	0.057	0.063	0.060	0.060	0.058	0.056	0.059	4.34
33)	l9	1268-5	0.455	0.423	0.393	0.386	0.372	0.344	0.396	9.78
34)	i	1248_1br2nb	----------ISTD----------							
35)	l7	1248-1	0.036	0.031	0.029	0.028	0.026	0.024	0.029	13.58
36)	l7	1248-2	0.046	0.039	0.036	0.034	0.032	0.030	0.036	15.69
37)	l7	1248-3	0.074	0.064	0.061	0.057	0.054	0.049	0.060	14.35
38)	l7	1248-4	0.058	0.053	0.051	0.049	0.047	0.044	0.050	9.94
39)	l7	1248-5	0.050	0.047	0.045	0.043	0.041	0.038	0.044	10.00
40)	i	3262_1br2nb	----------ISTD----------							
41)	l5	1232-1	0.034	0.028	0.025	0.024	0.022	0.021	0.026	18.79
42)	l5	1232-2	0.034	0.028	0.025	0.024	0.022	0.021	0.025	19.00
43)	l5	1232-3	0.065	0.056	0.051	0.049	0.046	0.044	0.052	14.94
44)	l5	1232-4	0.026	0.023	0.021	0.020	0.019	0.018	0.021	14.34
45)	l5	1232-5	0.018	0.017	0.015	0.015	0.014	0.014	0.015	10.88
46)	l8	1262-1	0.085	0.075	0.069	0.066	0.063	0.060	0.069	12.96
47)	l8	1262-2	0.103	0.092	0.085	0.081	0.077	0.074	0.085	12.71
48)	l8	1262-3	0.094	0.085	0.078	0.075	0.072	0.070	0.079	11.29
49)	l8	1262-4	0.171	0.157	0.147	0.142	0.136	0.132	0.147	9.75
50)	l8	1262-5	0.059	0.055	0.051	0.049	0.047	0.047	0.051	9.37

Signal #2 Calibration Files
1 =P7200610ical-43.d 2 =P7200610ical-06.d 3 =P7200610ical-07.d 4 =P7200610ical-08.d
5 =P7200610ical-09.d 6 =P7200610ical-10.d

		Compound	1	2	3	4	5	6	Avg	%RSD
1)	i	1660_1br2nb	----------ISTD----------							
2)	s	2,4,5,6-Tetra...	1.547	1.359	1.334	1.341	1.285	1.270	1.356	7.35

Method Path : I:\Pest7\200610ical\
Method File : P7_pcb_06_10_20_ugL_ICAL.m
Title : pcb
Last Update : Fri Jun 12 20:42:13 2020
Response Via : Initial Calibration

Calibration Files
1 =P7200610ical-43.d 2 =P7200610ical-06.d 3 =P7200610ical-07.d 4 =P7200610ical-08.d
5 =P7200610ical-09.d 6 =P7200610ical-10.d

		Compound	1	2	3	4	5	6	Avg	%RSD
3)	s	Decachlorobip...	1.517	1.245	1.215	1.207	1.172	1.124	1.247	11.13
4)	l1	1016-1	0.033	0.027	0.025	0.024	0.022	0.021	0.025	17.06
5)	l1	1016-2	0.074	0.058	0.055	0.053	0.050	0.048	0.057	16.32
6)	l1	1016-3	0.137	0.112	0.109	0.108	0.103	0.102	0.112	11.42
7)	l1	1016-4	0.054	0.045	0.043	0.042	0.040	0.038	0.044	12.86
8)	l1	1016-5	0.045	0.037	0.036	0.035	0.033	0.032	0.037	13.02
9)	l2	1260-1	0.094	0.077	0.074	0.073	0.070	0.067	0.076	12.33
10)	l2	1260-2	0.111	0.093	0.090	0.089	0.085	0.082	0.092	11.47
11)	l2	1260-3	0.090	0.077	0.075	0.075	0.072	0.070	0.076	9.34
12)	l2	1260-4	0.179	0.156	0.155	0.157	0.153	0.148	0.158	6.87
13)	l2	1260-5	0.119	0.103	0.102	0.102	0.103	0.099	0.105	6.82
14)	i	2154_1br2nb	----------ISTD----------							
15)	l3	1221-2	0.018	0.016	0.015	0.013	0.013	0.012	0.014	14.02
16)	l3	1221-3	0.011	0.010	0.010	0.009	0.008	0.008	0.009	15.57
17)	l3	1221-4	0.040	0.037	0.034	0.031	0.030	0.028	0.033	13.36
18)	l4	1254-1	0.059	0.055	0.050	0.048	0.047	0.045	0.051	10.55
19)	l4	1254-2	0.065	0.061	0.057	0.054	0.054	0.051	0.057	9.47
20)	l4	1254-3	0.088	0.085	0.080	0.078	0.077	0.074	0.080	6.31
21)	l4	1254-4	0.065	0.063	0.059	0.056	0.056	0.053	0.059	7.27
22)	l4	1254-5	0.093	0.091	0.086	0.083	0.082	0.079	0.086	6.70
23)	i	4268_1br2nb	----------ISTD----------							
24)	l6	1242-1	0.027	0.021	0.019	0.018	0.017	0.016	0.019	19.70
25)	l6	1242-2	0.059	0.048	0.043	0.041	0.039	0.037	0.045	18.61
26)	l6	1242-3	0.106	0.087	0.083	0.080	0.080	0.076	0.085	12.66
27)	l6	1242-4	0.043	0.035	0.033	0.031	0.031	0.029	0.034	15.30
28)	l6	1242-5	0.034	0.029	0.028	0.026	0.026	0.025	0.028	11.83
29)	l9	1268-1	0.204	0.181	0.175	0.175	0.178	0.174	0.181	6.32
30)	l9	1268-2	0.228	0.193	0.180	0.175	0.174	0.166	0.186	12.13
31)	l9	1268-3	0.168	0.148	0.141	0.140	0.142	0.138	0.146	7.80
32)	l9	1268-4	0.079	0.071	0.064	0.064	0.064	0.061	0.067	9.95
33)	l9	1268-5	0.511	0.457	0.434	0.437	0.444	0.430	0.452	6.75

Method Path : I:\Pest7\200610ical\
Method File : P7_pcb_06_10_20_ugL_ICAL.m
Title : pcb
Last Update : Fri Jun 12 20:42:13 2020
Response Via : Initial Calibration

Calibration Files
1 =P7200610ical-43.d 2 =P7200610ical-06.d 3 =P7200610ical-07.d 4 =P7200610ical-08.d
5 =P7200610ical-09.d 6 =P7200610ical-10.d

		Compound	1	2	3	4	5	6	Avg	%RSD
34)	i	1248_1br2nb	----------ISTD----------							
35)	l7	1248-1	0.034	0.030	0.029	0.028	0.027	0.026	0.029	10.31
36)	l7	1248-2	0.046	0.039	0.037	0.035	0.034	0.032	0.037	13.49
37)	l7	1248-3	0.054	0.047	0.045	0.043	0.042	0.040	0.045	10.70
38)	l7	1248-4	0.057	0.051	0.049	0.048	0.047	0.045	0.049	8.27
39)	l7	1248-5	0.067	0.059	0.057	0.055	0.054	0.051	0.057	9.92
40)	i	3262_1br2nb	----------ISTD----------							
41)	l5	1232-1	0.035	0.029	0.026	0.024	0.023	0.022	0.026	17.72
42)	l5	1232-2	0.037	0.031	0.028	0.026	0.024	0.023	0.028	18.58
43)	l5	1232-3	0.061	0.054	0.050	0.049	0.046	0.045	0.051	11.82
44)	l5	1232-4	0.026	0.022	0.020	0.019	0.018	0.017	0.020	16.16
45)	l5	1232-5	0.018	0.016	0.015	0.014	0.014	0.014	0.015	12.28
46)	l8	1262-1	0.076	0.067	0.062	0.060	0.058	0.058	0.064	11.13
47)	l8	1262-2	0.104	0.092	0.085	0.083	0.081	0.081	0.088	10.01
48)	l8	1262-3	0.096	0.087	0.081	0.079	0.078	0.077	0.083	8.82
49)	l8	1262-4	0.172	0.161	0.152	0.150	0.149	0.150	0.155	5.82
50)	l8	1262-5	0.069	0.065	0.061	0.059	0.058	0.058	0.062	7.36

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-06.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 7:51 pm
Operator : pest7:ht
Sample : il24268,42e,,9831
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 00:03:42 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 00:02:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	1.965	2.127	1236.2E6	832.4E6	250.000	250.000
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-06.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 7:51 pm
Operator : pest7:ht
Sample : il24268,42e,,9831
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 00:03:42 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 00:02:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	2.737	3.203	49314309	34506365	593.396	595.023
25) l6	1242-2	2.998	3.547	109.9E6	80326527	594.297	604.977M1
26) l6	1242-3	3.363	3.962	218.3E6	145.3E6	570.829M1	546.661M1
27) l6	1242-4	3.470	4.082	91846924	58886128	574.113M1	572.410
28) l6	1242-5	4.169	4.811	72329650	48681440	553.341	552.861
Sum	1242-1			541.8E6	367.7E6	2885.975	2871.932
Average	1242-1					577.195	574.386
29) l9	1268-1	6.023	6.705	425.3E6	300.8E6	544.742	514.737
30) l9	1268-2	6.053	6.740	444.7E6	321.6E6	569.472	556.027
31) l9	1268-3	6.197	6.928	345.5E6	246.7E6	548.570	528.732
32) l9	1268-4	6.452	7.120	155.6E6	117.7E6	539.709	557.927
33) l9	1268-5	6.657	7.361f	1044.7E6	761.1E6	564.808	524.041
Sum	1268-1			2415.8E6	1748.0E6	N.D.	N.D. D
Average	1268-1					553.460	536.293
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-06.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 7:51 pm
Operator : pest7:ht
Sample : il24268,42e,,9831
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 00:03:42 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 00:02:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Sum 1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

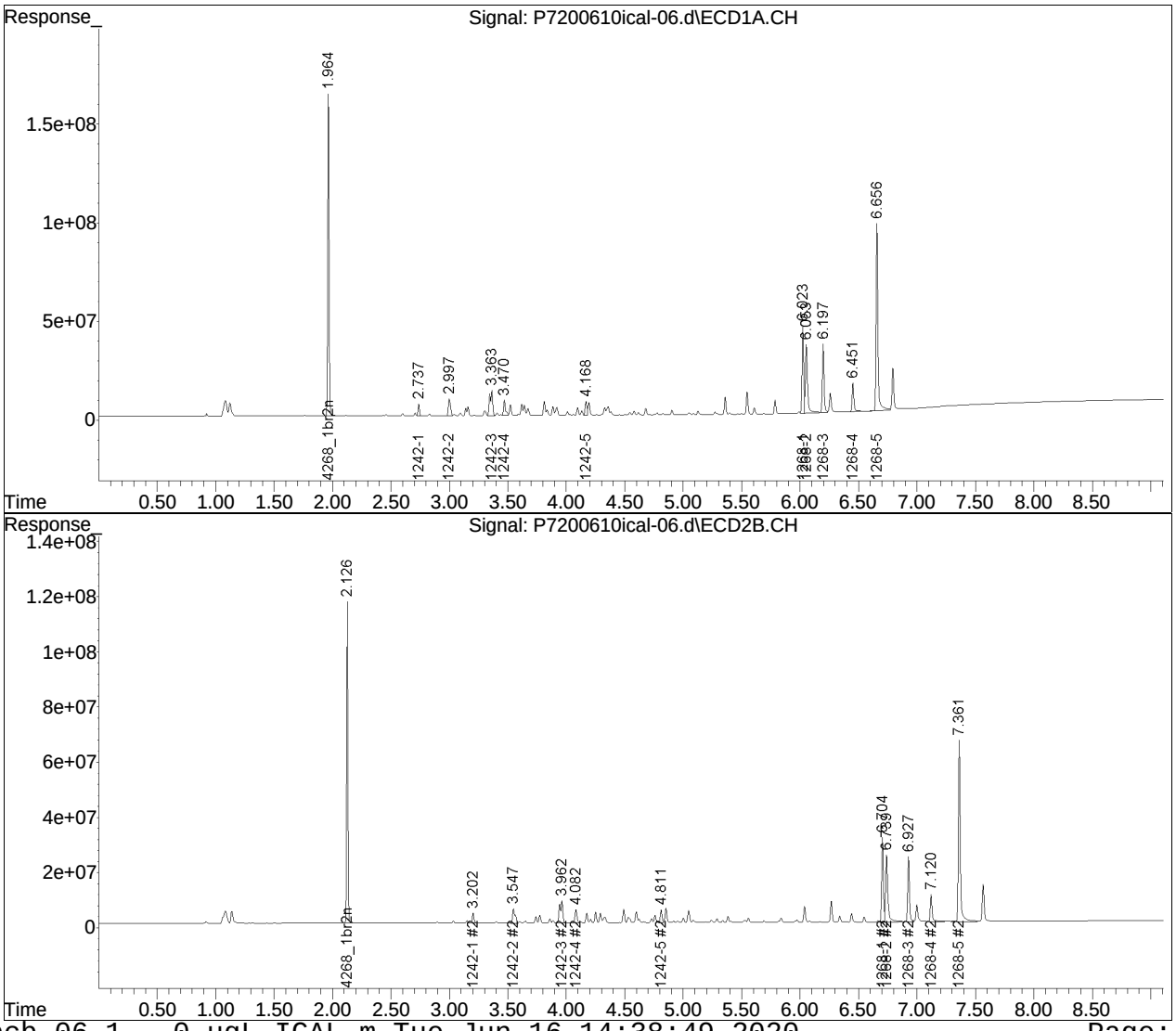
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-06.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 7:51 pm
Operator : pest7:ht
Sample : il24268,42e,,9831
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 00:03:42 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 00:02:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

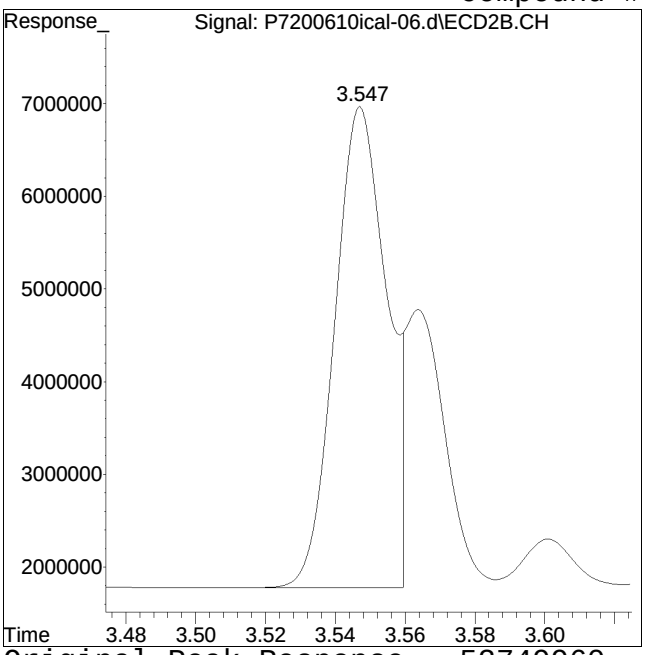


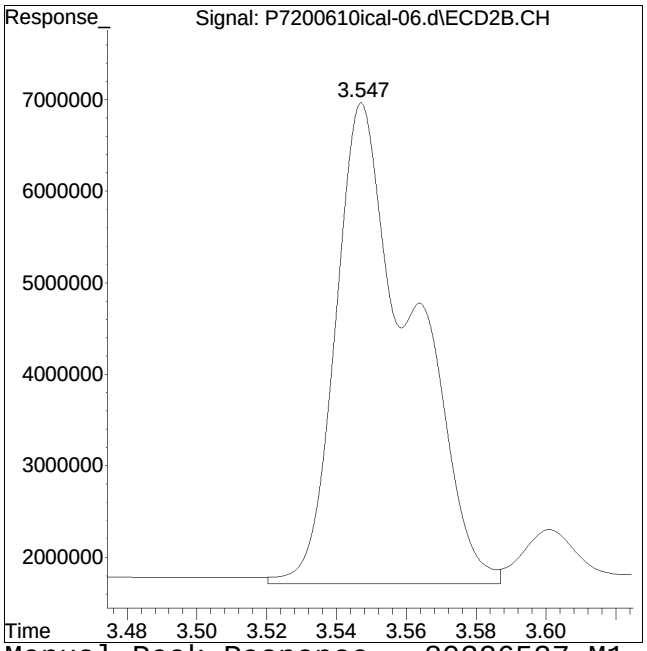
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-06.d
Date Inj'd : 6/10/2020 7:51 pm
Sample : il24268,42e,,9831

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/12/2020 0:02 am

Compound #76: 1242-2 #2





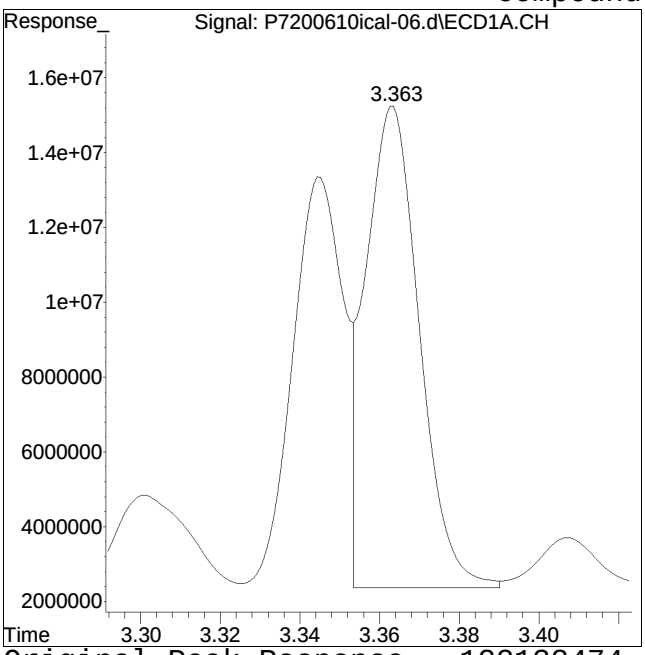
Original Peak Response = 52749960 Manual Peak Response = 80326527 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

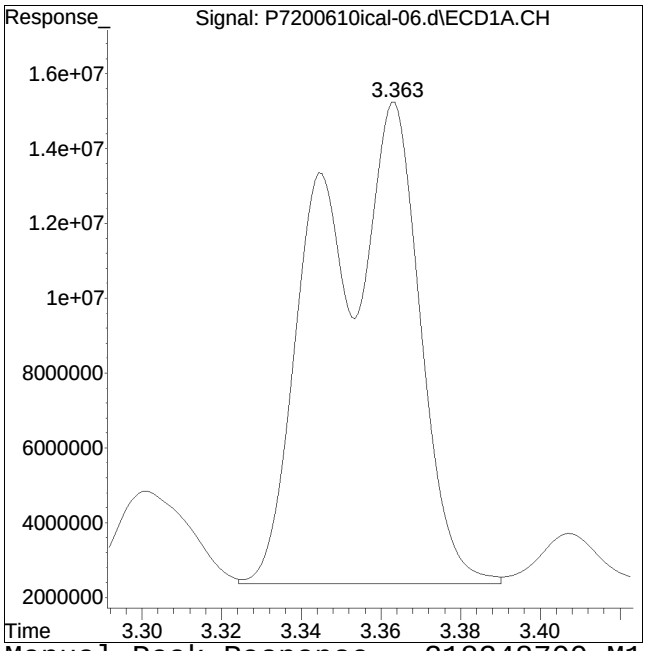
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-06.d
Date Inj'd : 6/10/2020 7:51 pm
Sample : il24268,42e,,9831

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/12/2020 0:02 am

Compound #26: 1242-3





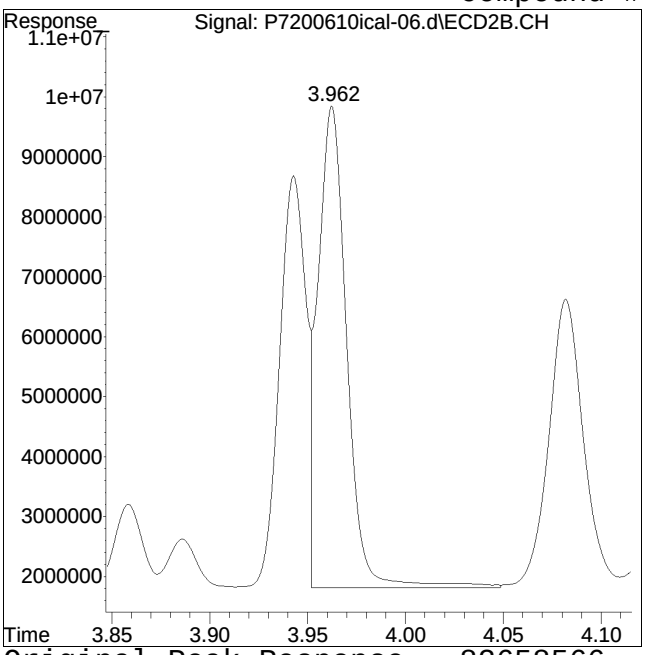
Original Peak Response = 122132474 Manual Peak Response = 218348700 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

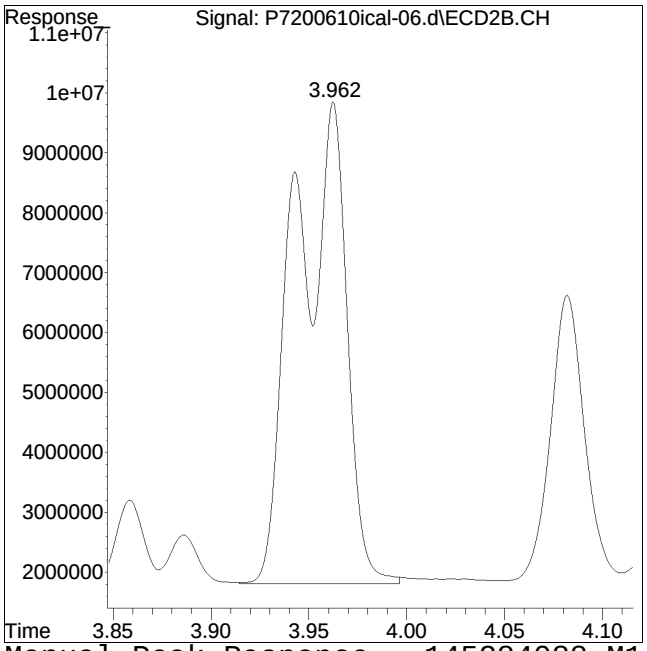
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-06.d
Date Inj'd : 6/10/2020 7:51 pm
Sample : il24268,42e,,9831

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/12/2020 0:02 am

Compound #77: 1242-3 #2





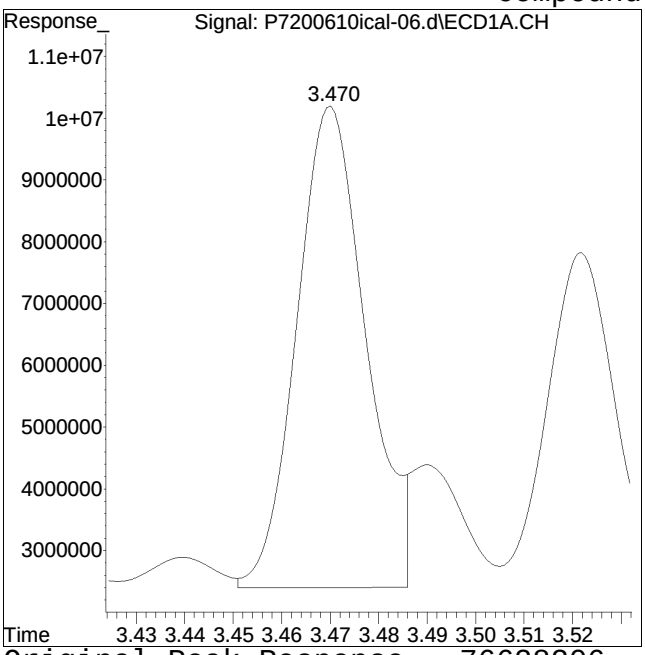
Original Peak Response = 82658566 Manual Peak Response = 145284088 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

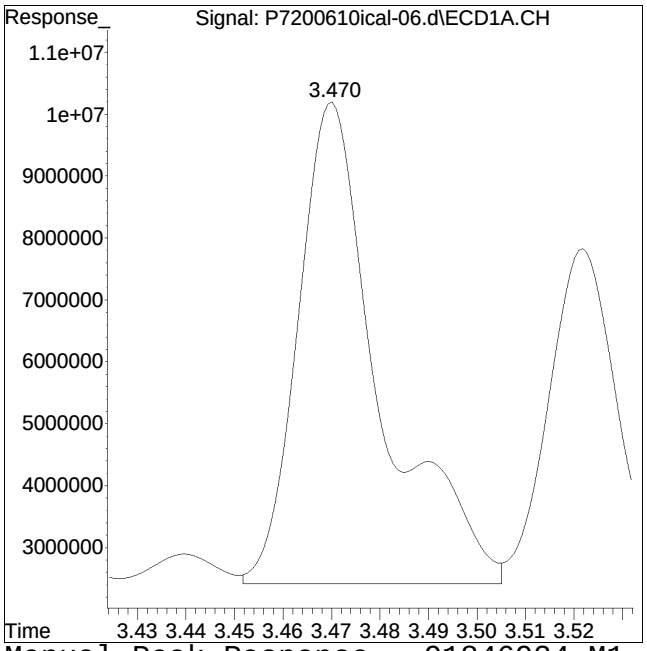
Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-06.d
Date Inj'd : 6/10/2020 7:51 pm
Sample : il24268,42e,,9831

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/12/2020 0:02 am

Compound #27: 1242-4



Original Peak Response = 76628206



Manual Peak Response = 91846924 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-07.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 8:04 pm
Operator : pest7:ht
Sample : il34268,42e,,9831
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 00:02:01 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 00:00:32 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	1.965	2.127	1243.5E6	841.6E6	250.000	250.000
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-07.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 8:04 pm
Operator : pest7:ht
Sample : il34268,42e,,9831
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 00:02:01 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 00:00:32 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	2.738	3.203	92446351	63948452	1146.366	1124.724
25) l6	1242-2	2.998	3.547	205.1E6	144.9E6	1141.476	1108.446M1
26) l6	1242-3	3.363	3.963	413.1E6	279.0E6	1100.564M1	1051.618M1
27) l6	1242-4	3.470	4.083	176.7E6	111.2E6	1135.185M1	1094.309
28) l6	1242-5	4.169	4.812	139.1E6	93233487	1078.657	1064.078
Sum	1242-1			1026.5E6	692.2E6	5602.249	5443.176
Average	1242-1					1120.450	1088.635
29) l9	1268-1	6.024	6.705	818.6E6	588.5E6	1057.080	994.762
30) l9	1268-2	6.054	6.740	839.5E6	607.4E6	1093.901	1052.279
31) l9	1268-3	6.198	6.928	663.5E6	473.7E6	1063.927	1005.957
32) l9	1268-4	6.452	7.119	296.8E6	216.2E6	1032.007	1017.971
33) l9	1268-5	6.658	7.360f	1955.9E6	1460.8E6	1069.505	993.123
Sum	1268-1			4574.3E6	3346.7E6	N.D.	N.D. D
Average	1268-1					1063.284	1012.819
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-07.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 8:04 pm
Operator : pest7:ht
Sample : il34268,42e,,9831
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 00:02:01 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 00:00:32 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Sum 1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

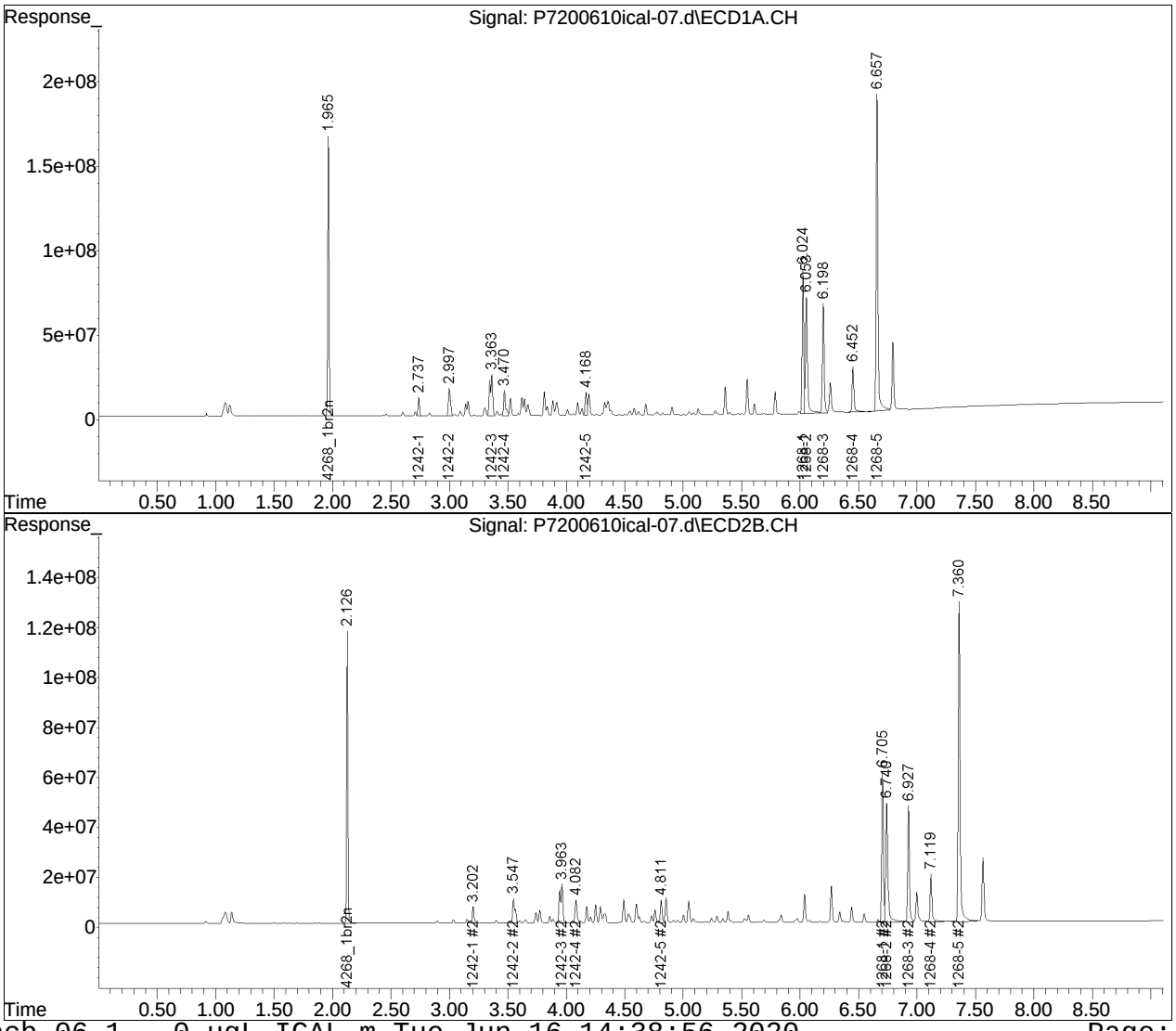
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-07.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 8:04 pm
Operator : pest7:ht
Sample : il34268,42e,,9831
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 00:02:01 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 00:00:32 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

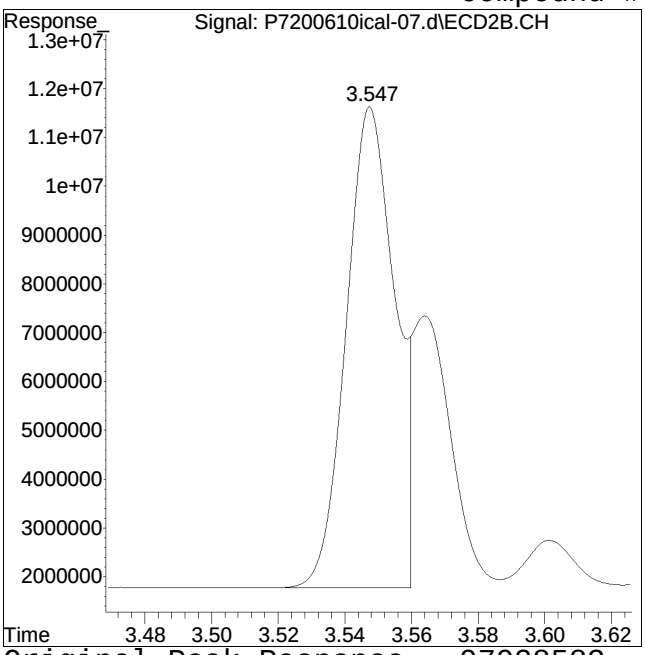


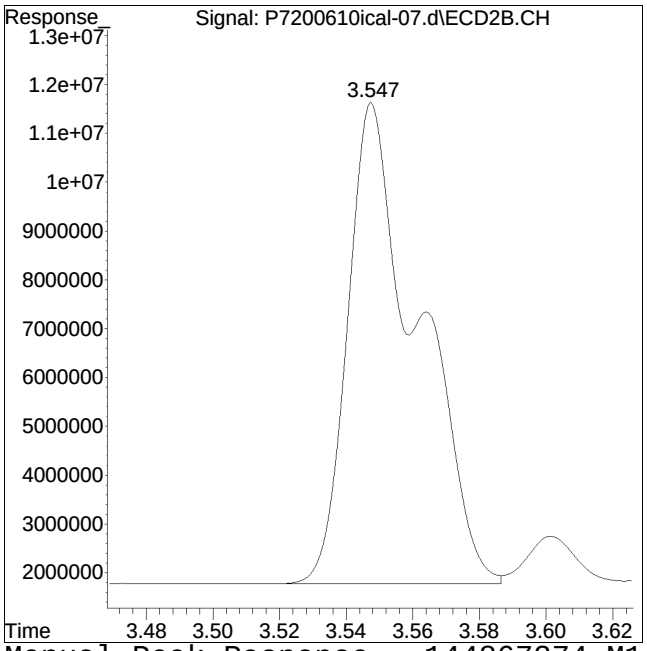
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-07.d
Date Inj'd : 6/10/2020 8:04 pm
Sample : il34268,42e,,9831

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/12/2020 0:00 am

Compound #76: 1242-2 #2





Original Peak Response = 97928583 Manual Peak Response = 144867274 M1

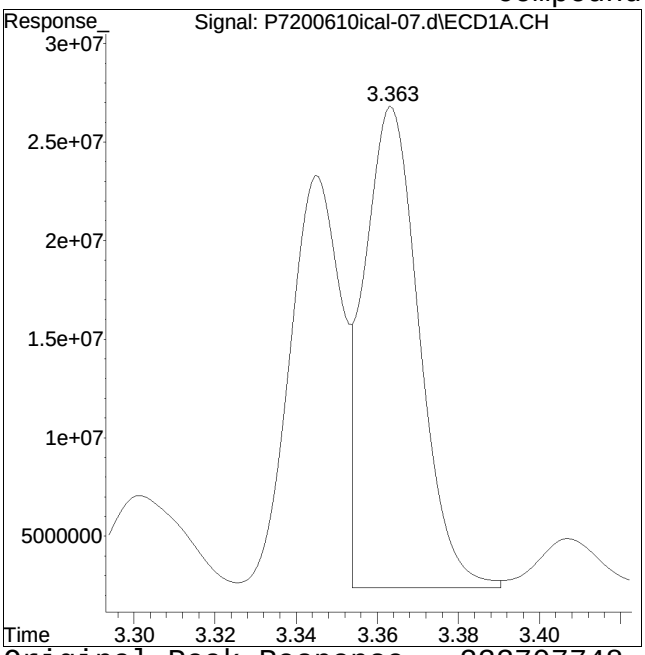
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

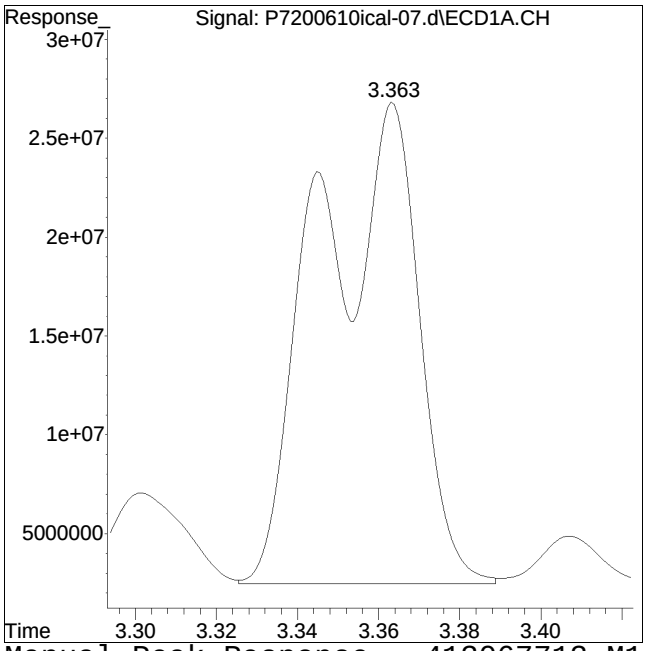
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-07.d
Date Inj'd : 6/10/2020 8:04 pm
Sample : il34268,42e,,9831

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/12/2020 0:00 am

Compound #26: 1242-3





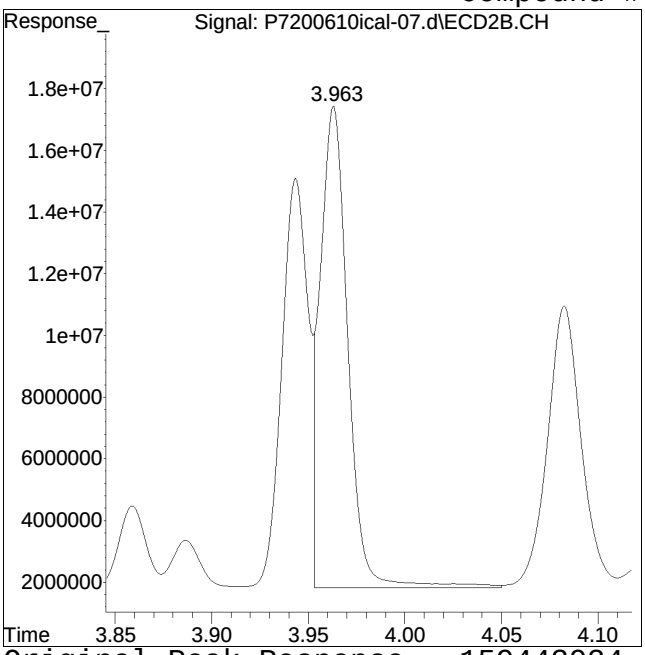
Original Peak Response = 233707748 Manual Peak Response = 413067713 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

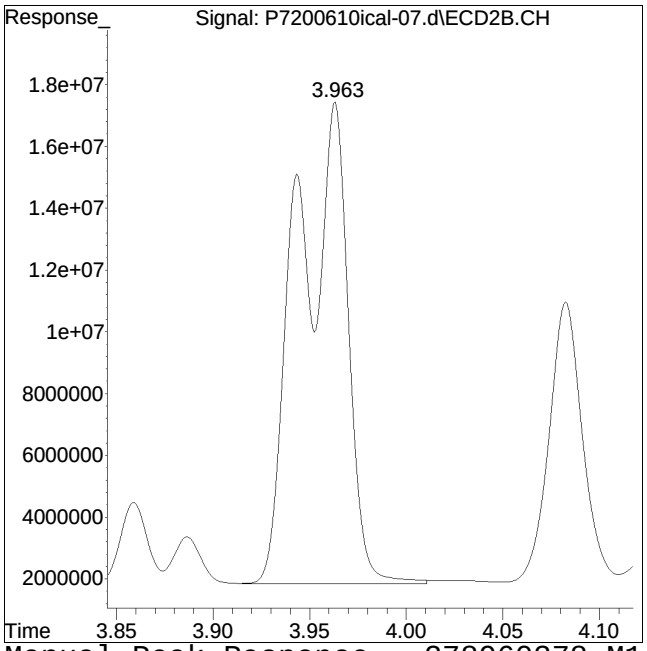
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-07.d
Date Inj'd : 6/10/2020 8:04 pm
Sample : il34268,42e,,9831

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/12/2020 0:00 am

Compound #77: 1242-3 #2



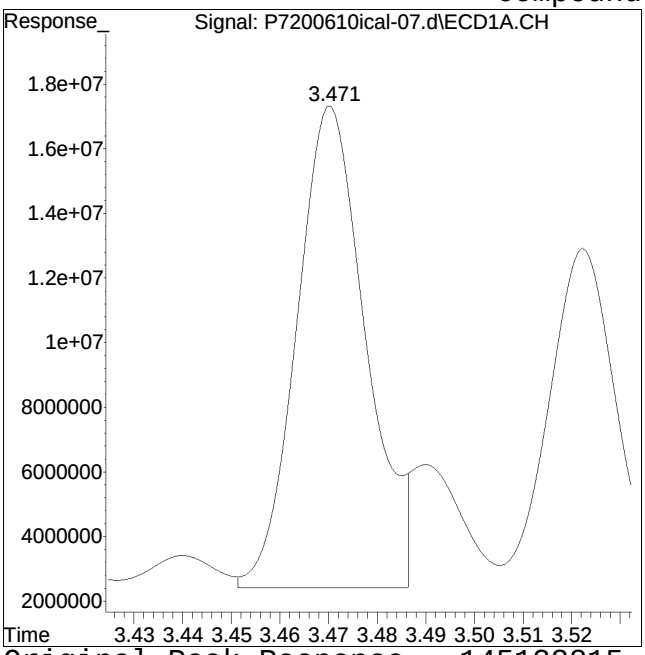


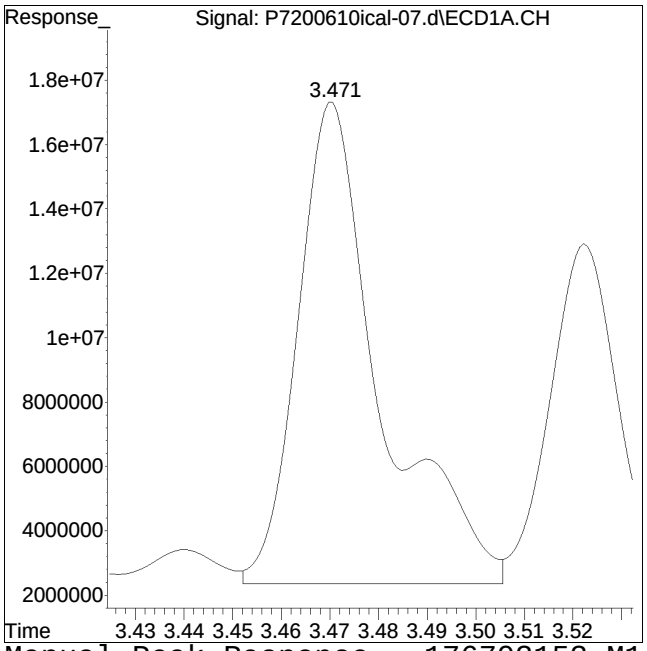
Original Peak Response = 159443924 Manual Peak Response = 278960378 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path	: I:\Pest7\200610ical\	QMethod	: P7_pcb_06_10_20_ugL_ICAL
Data File	: P7200610ical-07.d	Operator	: pest7:ht
Date Inj'd	: 6/10/2020 8:04 pm	Instrument	: Pest 7
Sample	: il34268,42e,,9831	Quant Date	: 6/12/2020 0:00 am

Compound #27: 1242-4





Original Peak Response = 145122215 Manual Peak Response = 176703153 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-08.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 8:17 pm
Operator : pest7:ht
Sample : il44268,42e,,9831
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:57:11 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:55:55 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	1.965	2.127	1252.3E6	849.6E6	250.000	250.000
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-08.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 8:17 pm
Operator : pest7:ht
Sample : il44268,42e,,9831
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:57:11 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:55:55 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	2.738	3.203	214.4E6	150.7E6	NoCal	NoCal
25) l6	1242-2	2.998	3.548	477.7E6	349.2E6	NoCal	NoCal M1
26) l6	1242-3	3.364	3.964	983.0E6	681.8E6	NoCal M1	NoCal M1
27) l6	1242-4	3.471	4.083	411.4E6	264.3E6	NoCal	NoCal
28) l6	1242-5	4.169	4.812	334.9E6	224.9E6	NoCal	NoCal
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	6.025	6.711	2008.5E6	1490.2E6	NoCal	NoCal
30) l9	1268-2	6.054	6.746	2021.6E6	1484.6E6	NoCal	NoCal
31) l9	1268-3	6.199	6.937	1623.3E6	1190.8E6	NoCal	NoCal
32) l9	1268-4	6.455	7.133	746.5E6	544.4E6	NoCal	NoCal
33) l9	1268-5	6.663	7.378	4837.2E6	3712.2E6	NoCal	NoCal
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-08.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 8:17 pm
Operator : pest7:ht
Sample : il44268,42e,,9831
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:57:11 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:55:55 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Sum 1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

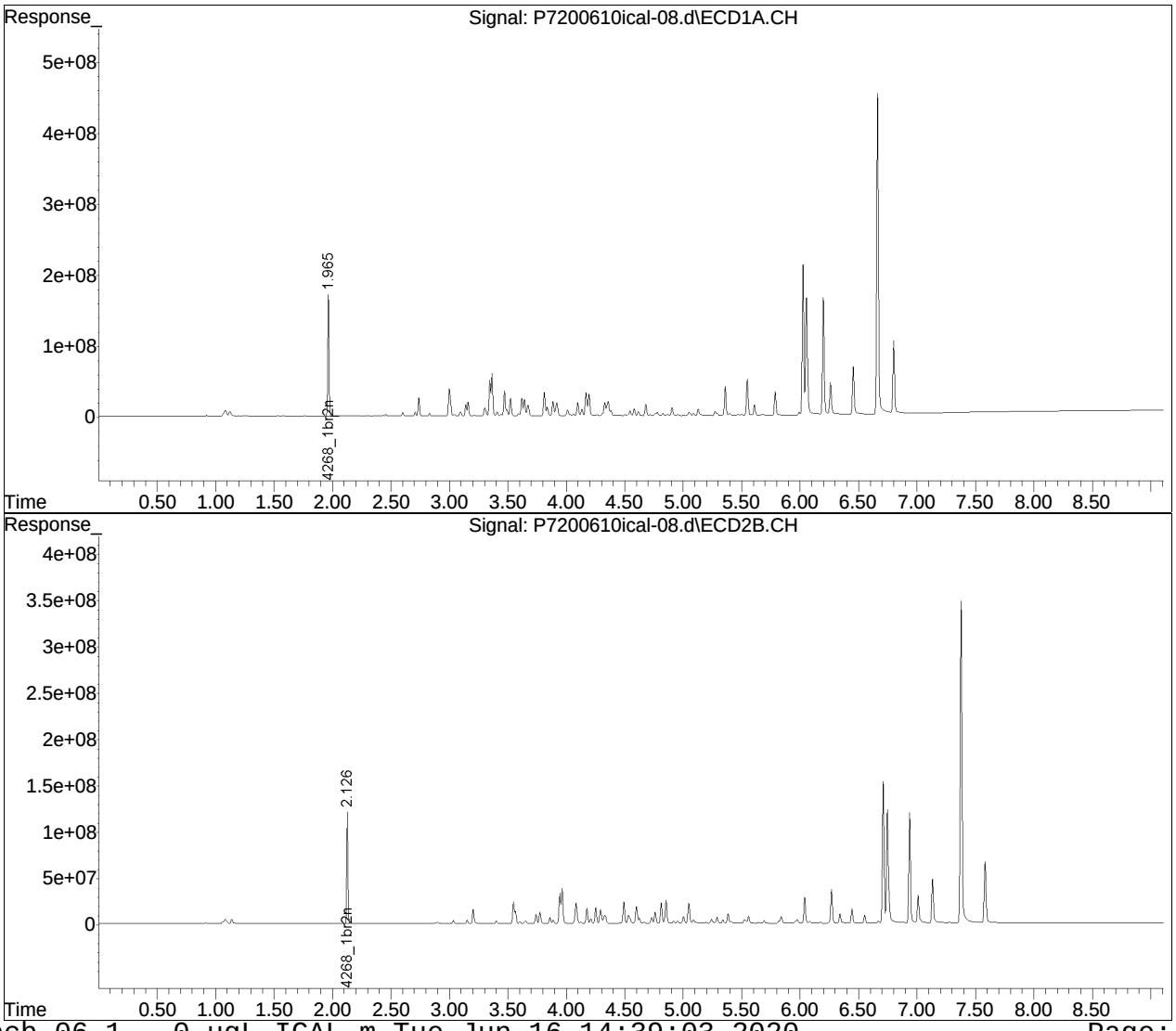
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-08.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 8:17 pm
Operator : pest7:ht
Sample : il44268,42e,,9831
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:57:11 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:55:55 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

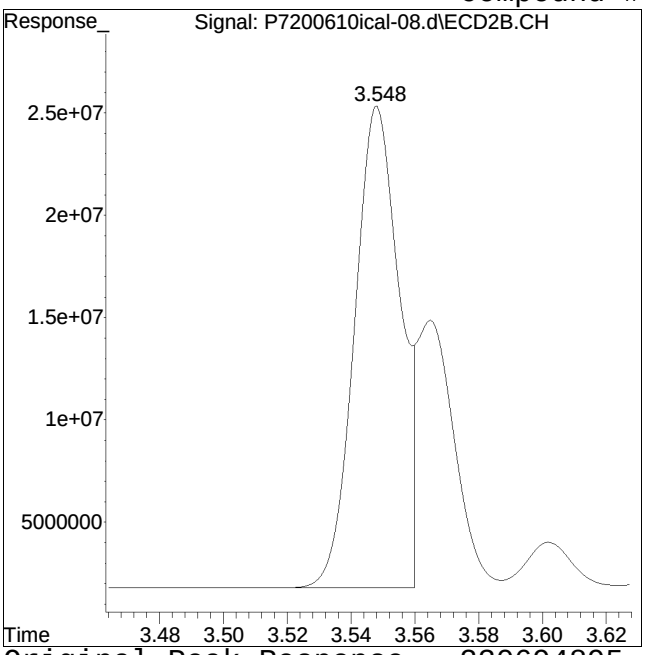


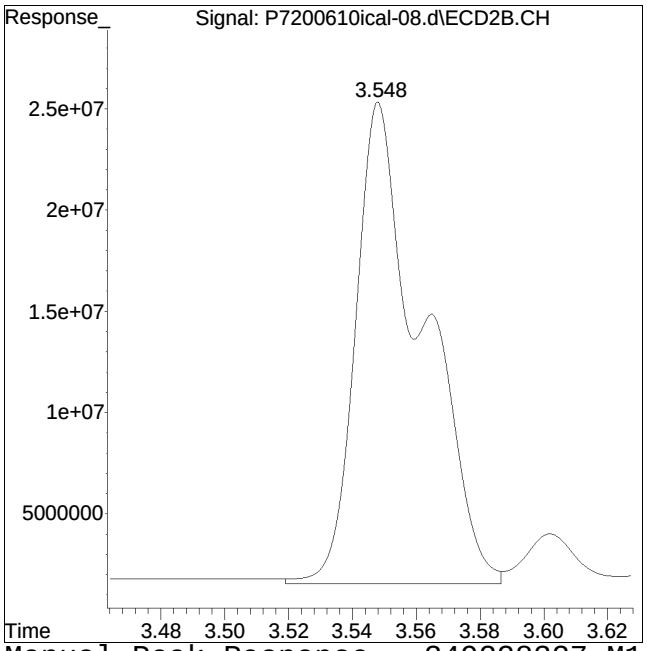
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-08.d
Date Inj'd : 6/10/2020 8:17 pm
Sample : il44268,42e,,9831

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 11:56 pm

Compound #76: 1242-2 #2





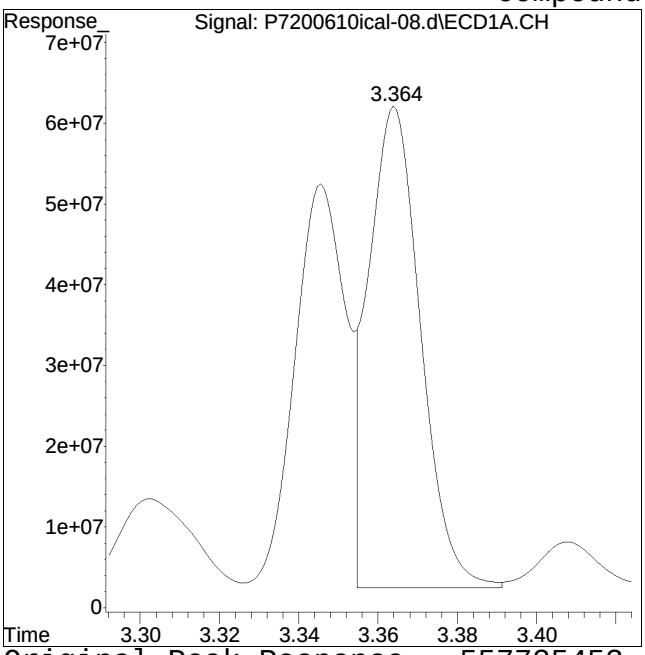
Original Peak Response = 230694895 Manual Peak Response = 349228327 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

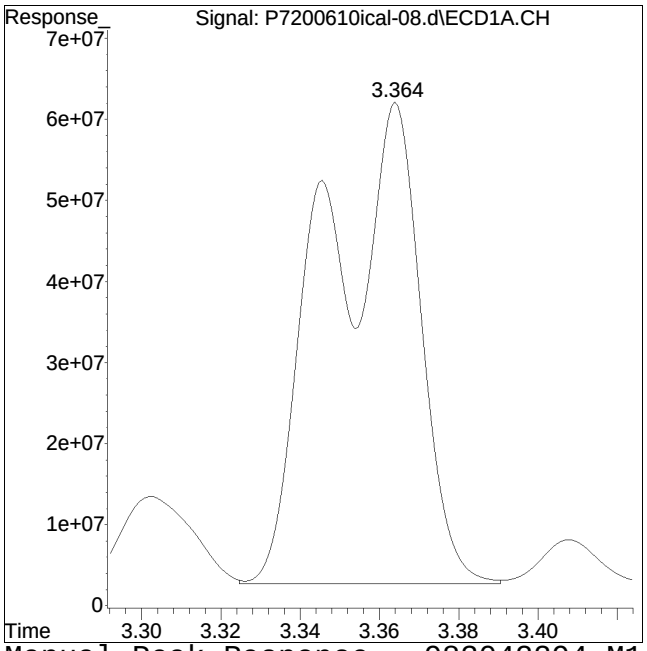
Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-08.d
Date Inj'd : 6/10/2020 8:17 pm
Sample : il44268,42e,,9831

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 11:56 pm

Compound #26: 1242-3



Original Peak Response = 557735453



Manual Peak Response = 983042294 M1

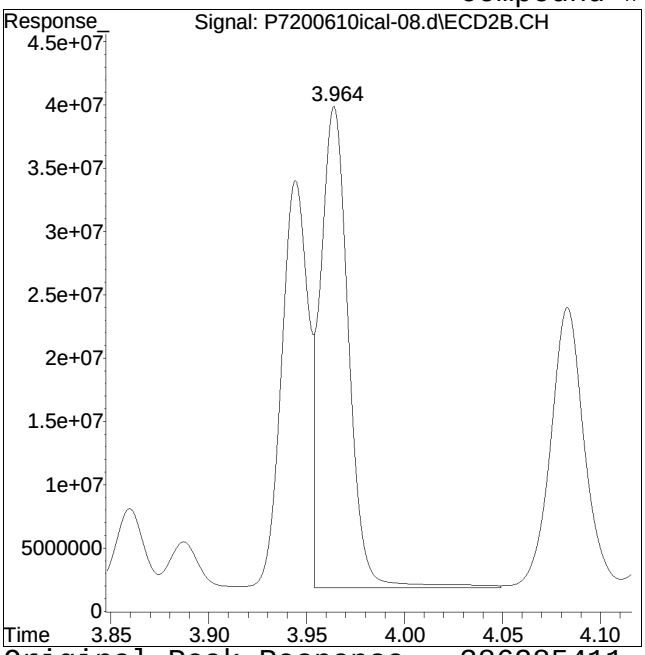
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

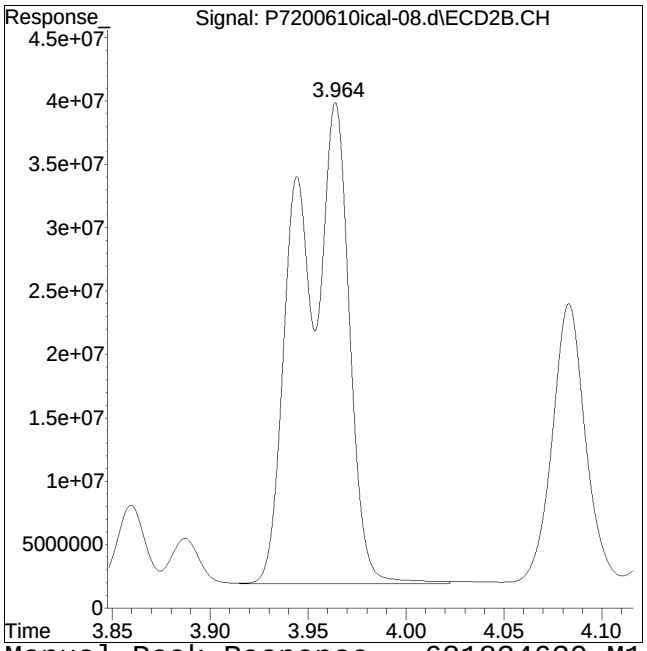
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-08.d
Date Inj'd : 6/10/2020 8:17 pm
Sample : il44268,42e,,9831

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 11:56 pm

Compound #77: 1242-3 #2





Original Peak Response = 386285411 Manual Peak Response = 681834630 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-09.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 8:30 pm
Operator : pest7:ht
Sample : il54268,42e,,9831
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:58:47 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:57:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	1.966	2.127	1247.4E6	847.1E6	250.000	250.000
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-09.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 8:30 pm
Operator : pest7:ht
Sample : il54268,42e,,9831
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:58:47 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:57:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	2.739	3.204	409.2E6	289.1E6	4790.434	4810.966
25) l6	1242-2	2.999	3.549	912.7E6	656.3E6	4795.005	4711.892
26) l6	1242-3	3.364	3.964	1916.7E6	1355.0E6	4893.638M1	4982.985M1
27) l6	1242-4	3.471	4.084	791.4E6	517.6E6	4827.717	4909.896
28) l6	1242-5	4.169	4.813	655.5E6	447.4E6	4913.414	4988.476
Sum	1242-1			4685.6E6	3265.4E6	24220.208	24404.216
Average	1242-1					4844.042	4880.843
29) l9	1268-1	6.025	6.710	3930.6E6	3010.7E6	4911.666	5065.831
30) l9	1268-2	6.054	6.745	3892.4E6	2943.2E6	4832.536	4970.861
31) l9	1268-3	6.198	6.935	3166.8E6	2397.9E6	4896.301	5048.920
32) l9	1268-4	6.454	7.130	1452.7E6	1079.3E6	4884.396	4971.382
33) l9	1268-5	6.662	7.373	9291.5E6	7520.5E6	4821.042	5079.685
Sum	1268-1			21734.0E6	16951.6E6	N.D.	N.D. D
Average	1268-1					4869.188	5027.336
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-09.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 8:30 pm
Operator : pest7:ht
Sample : il54268,42e,,9831
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:58:47 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:57:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Sum 1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

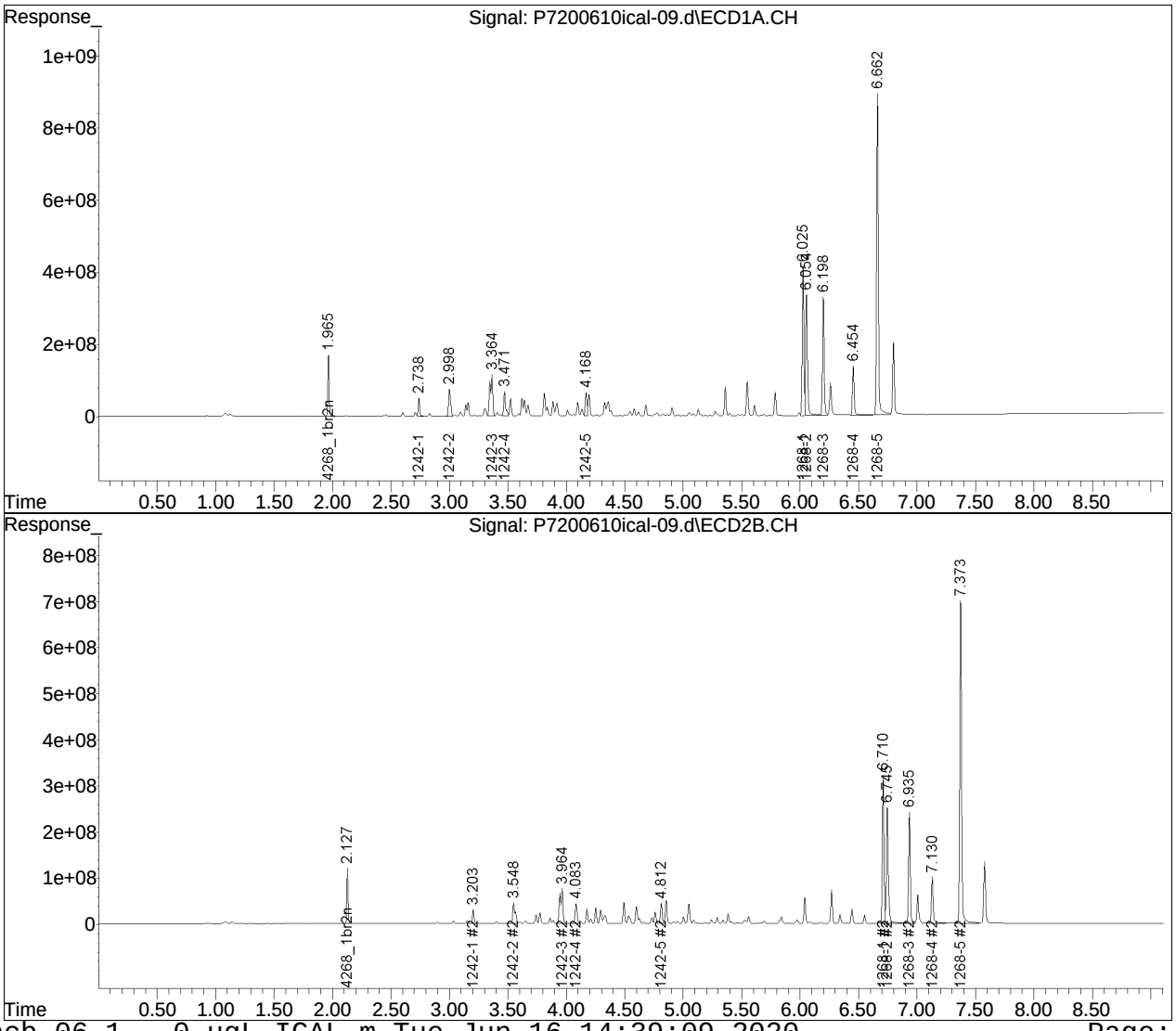
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-09.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 8:30 pm
Operator : pest7:ht
Sample : il54268,42e,,9831
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:58:47 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:57:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

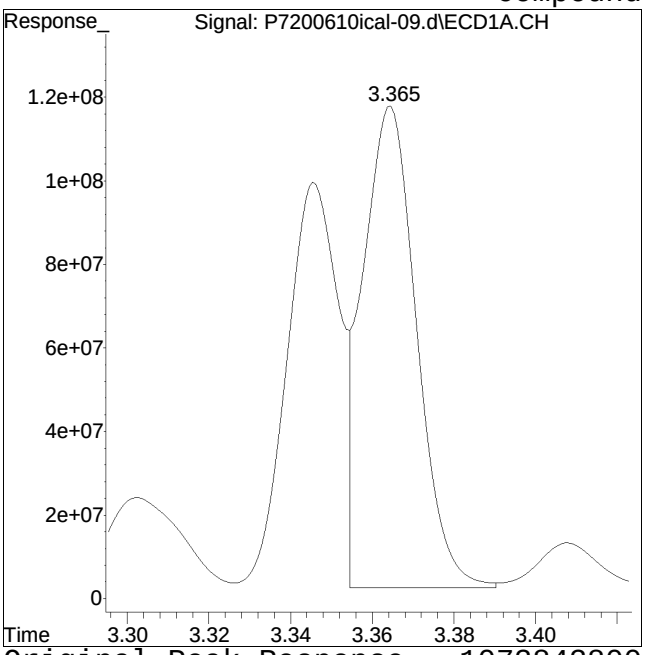


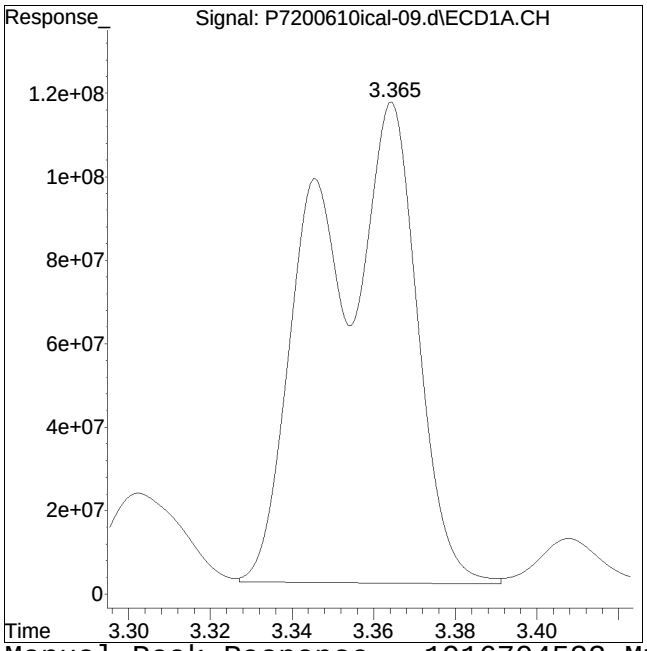
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-09.d
Date Inj'd : 6/10/2020 8:30 pm
Sample : il54268,42e,,9831

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 11:57 pm

Compound #26: 1242-3





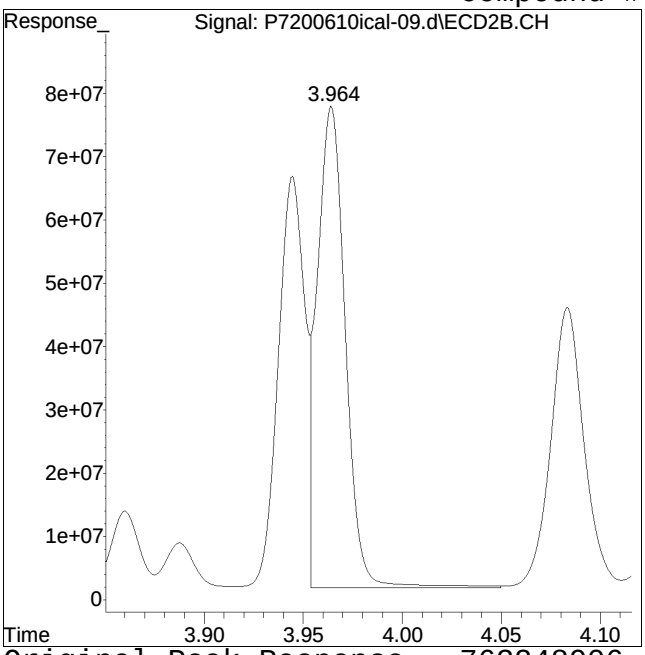
Original Peak Response = 1073843800 Manual Peak Response = 1916704533 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

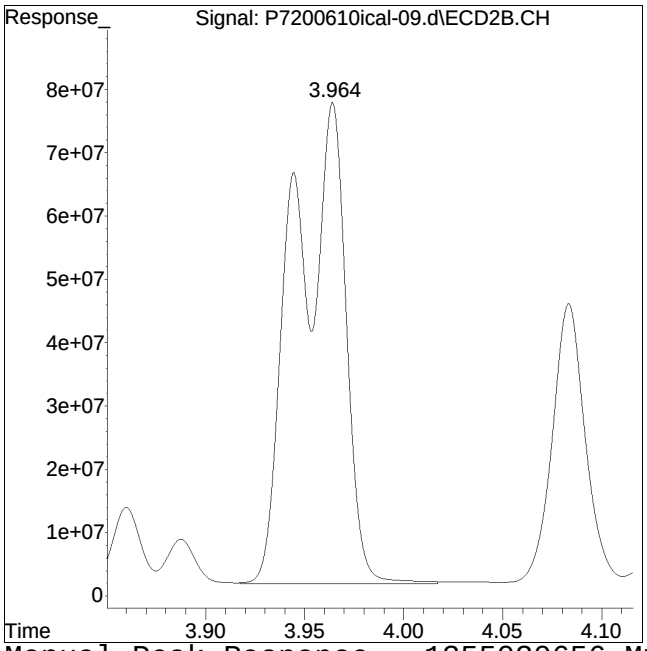
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-09.d
Date Inj'd : 6/10/2020 8:30 pm
Sample : il54268,42e,,9831

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 11:57 pm

Compound #77: 1242-3 #2





Original Peak Response = 763248906 Manual Peak Response = 1355030656 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-10.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 8:42 pm
Operator : pest7:ht
Sample : il64268,42e,,9831
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 00:00:25 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:59:00 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	1.966	2.127	1306.2E6	892.0E6	250.000	250.000
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-10.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 8:42 pm
Operator : pest7:ht
Sample : il64268,42e,,9831
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 00:00:25 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:59:00 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	2.739	3.204	789.6E6	566.4E6	9015.209	9125.014
25) l6	1242-2	2.999	3.549	1758.9E6	1306.9E6	9008.753	9176.264M1
26) l6	1242-3	3.365	3.964	3712.0E6	2717.6E6	9147.423M1	9507.489M1
27) l6	1242-4	3.472	4.085	1531.4E6	1030.6E6	9077.858	9368.781
28) l6	1242-5	4.170	4.813	1293.6E6	899.6E6	9339.533	9538.205
Sum	1242-1			9085.5E6	6521.1E6	45588.777	46715.753
Average	1242-1					9117.755	9343.151
29) l9	1268-1	6.025	6.710	7790.3E6	6213.6E6	9378.888	9864.631
30) l9	1268-2	6.055	6.745	7597.5E6	5921.6E6	9160.812	9526.301
31) l9	1268-3	6.199	6.935	6247.3E6	4923.6E6	9320.502	9798.024
32) l9	1268-4	6.454	7.130	2906.4E6	2193.9E6	9440.901	9624.811
33) l9	1268-5	6.662	7.374	17990.3E6	15343.4E6	9076.289	9764.916
Sum	1268-1			42531.8E6	34596.1E6	N.D.	N.D. D
Average	1268-1					9275.478	9715.737
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-10.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 8:42 pm
Operator : pest7:ht
Sample : il64268,42e,,9831
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 00:00:25 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:59:00 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
39)	l7 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41)	l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	l5 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46)	l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	l8 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	l8 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	l8 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

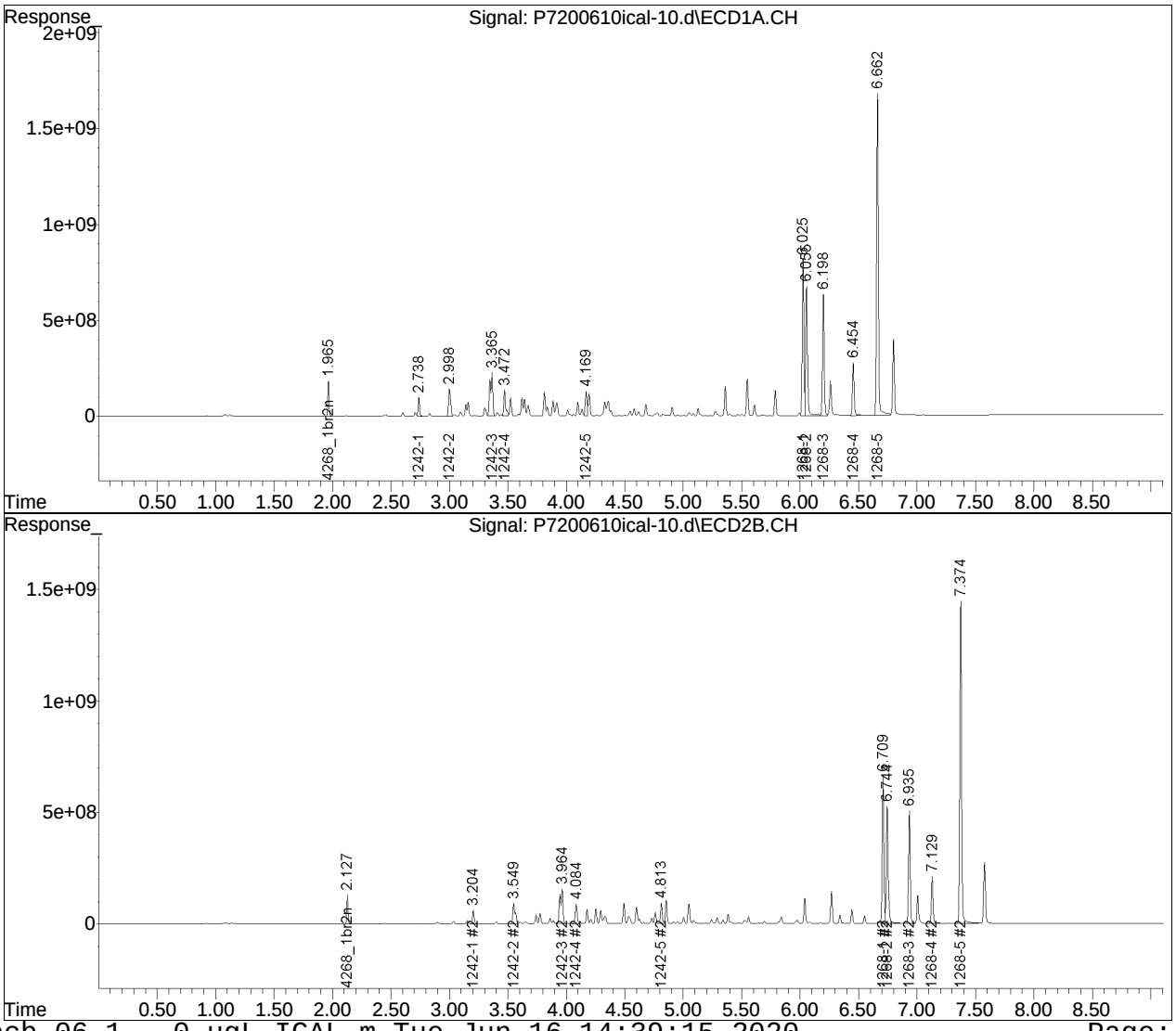
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-10.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 8:42 pm
Operator : pest7:ht
Sample : il64268,42e,,9831
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 00:00:25 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:59:00 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

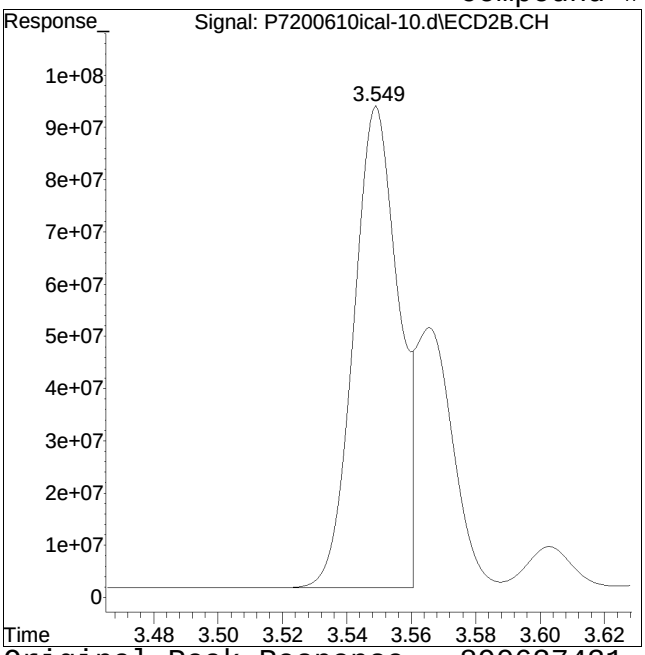


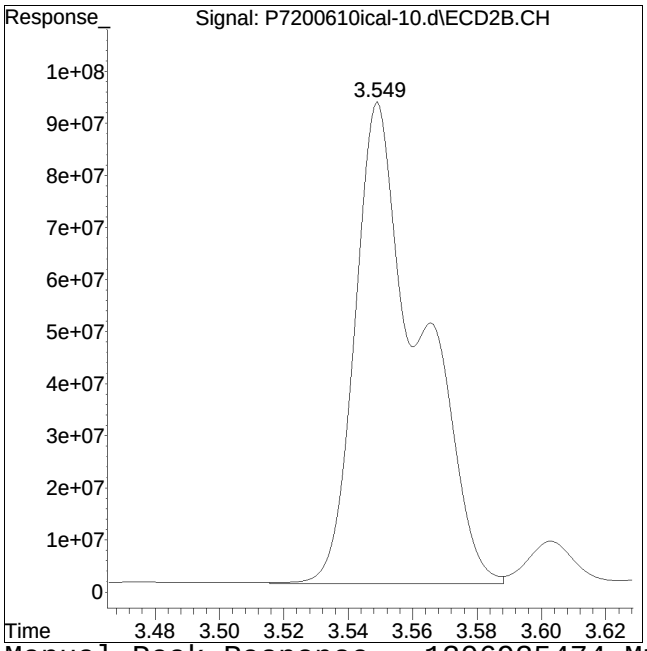
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-10.d
Date Inj'd : 6/10/2020 8:42 pm
Sample : il64268,42e,,9831

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 11:59 pm

Compound #76: 1242-2 #2





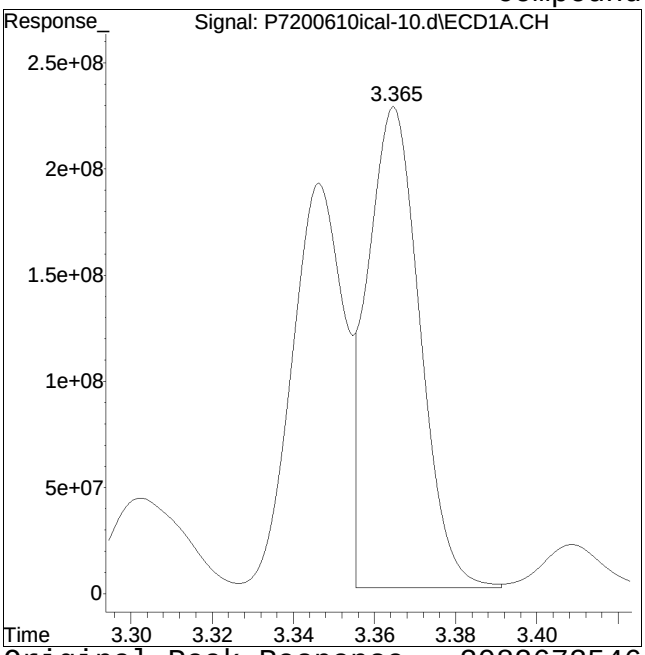
Original Peak Response = 890637431 Manual Peak Response = 1306935474 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

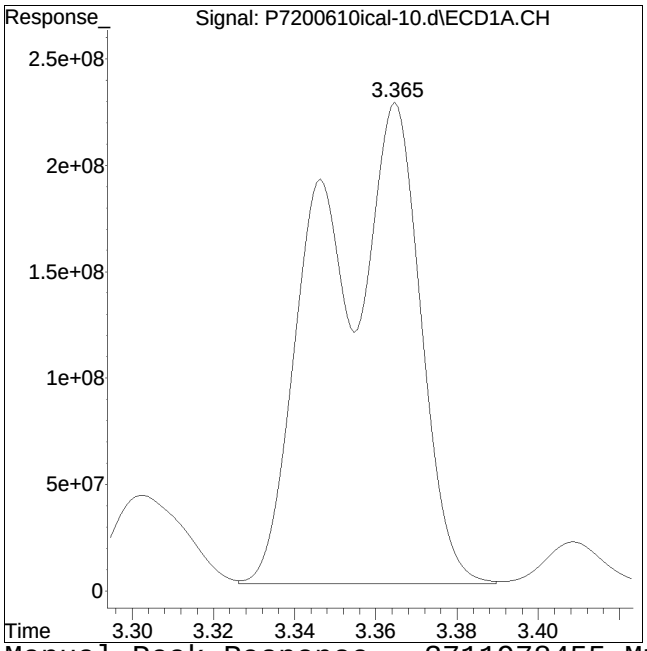
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-10.d
Date Inj'd : 6/10/2020 8:42 pm
Sample : il64268,42e,,9831

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 11:59 pm

Compound #26: 1242-3





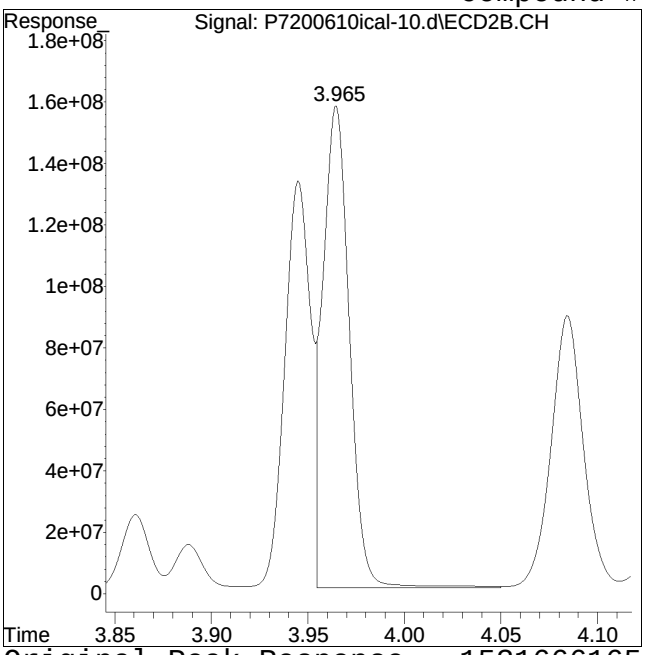
Original Peak Response = 2082673546 Manual Peak Response = 3711978455 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

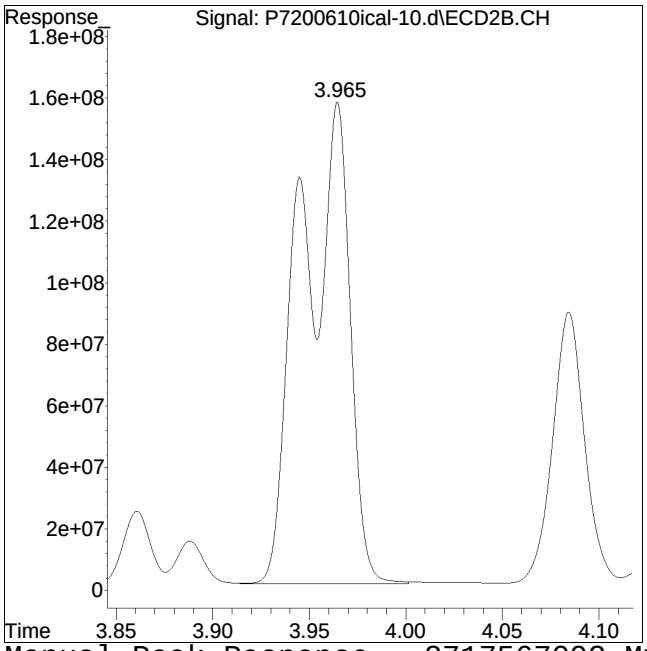
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-10.d
Date Inj'd : 6/10/2020 8:42 pm
Sample : il64268,42e,,9831

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 11:59 pm

Compound #77: 1242-3 #2





Original Peak Response = 1531666165 Manual Peak Response = 2717567093 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-12.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 9:08 pm
Operator : pest7:ht
Sample : il23262,42e,,9812
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:50:12 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:48:55 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	1.966	2.128	1287.0E6	879.3E6	250.000	250.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-12.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 9:08 pm
Operator : pest7:ht
Sample : il23262,42e,,9812
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:50:12 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:48:55 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-12.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 9:08 pm
Operator : pest7:ht
Sample : il23262,42e,,9812
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:50:12 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:48:55 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					0.000	0.000
41) l5	1232-1	2.739	3.205	71627059	50766086	603.446	605.563
42) l5	1232-2	2.999	3.549	71912328	53848037	612.773	613.602M1
43) l5	1232-3	3.365	3.965	144.6E6	94870086	591.464M1	568.642M1
44) l5	1232-4	3.473	4.085	59249714	38272894	593.168	592.663
45) l5	1232-5	4.170	4.814	42528325	28280584	569.809	570.483
Sum	1232-1			390.0E6	266.0E6	2970.660	2950.952
Average	1232-1					594.132	590.190
46) l8	1262-1	5.049	5.694	192.0E6	118.2E6	580.204	564.834
47) l8	1262-2	5.361	6.040	236.9E6	161.4E6	583.122	555.271
48) l8	1262-3	5.553	6.268	217.8E6	152.2E6	573.889	549.916
49) l8	1262-4	5.788	6.444	403.3E6	282.6E6	562.680	535.086
50) l8	1262-5	6.455	7.132	141.0E6	114.4E6	566.119	551.103
Sum	1262-1			1191.0E6	828.7E6	2866.013	2756.209
Average	1262-1					573.203	551.242

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			1191.0E6	828.7E6	2866.013	2756.209
Average	1262-1					573.203	551.242

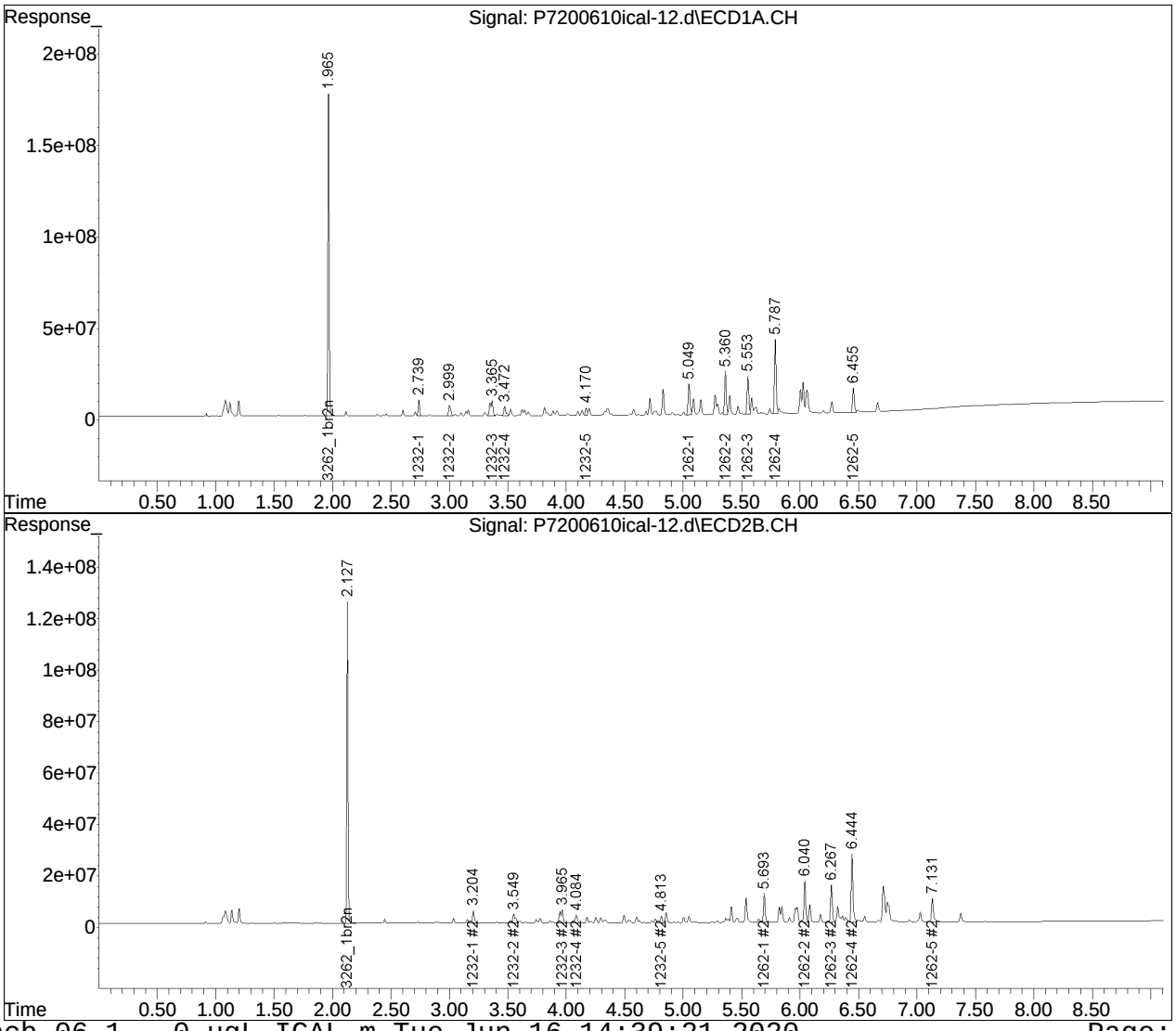
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-12.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 9:08 pm
Operator : pest7:ht
Sample : il23262,42e,,9812
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:50:12 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:48:55 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

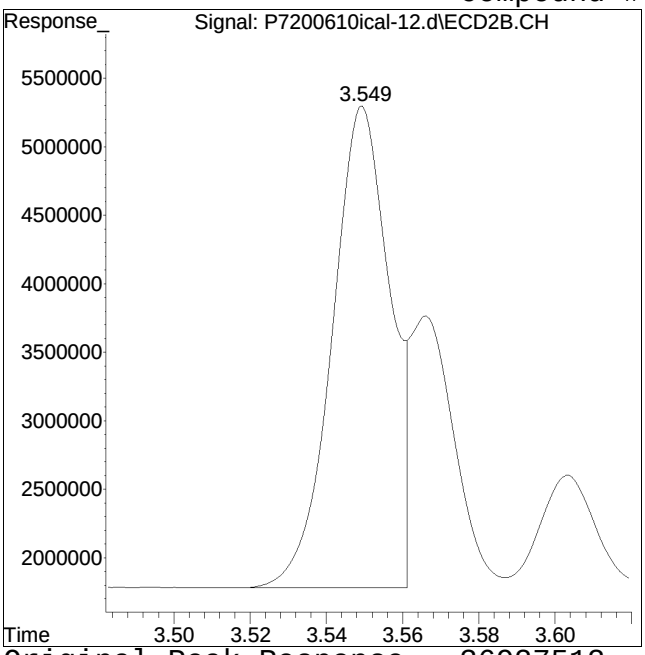


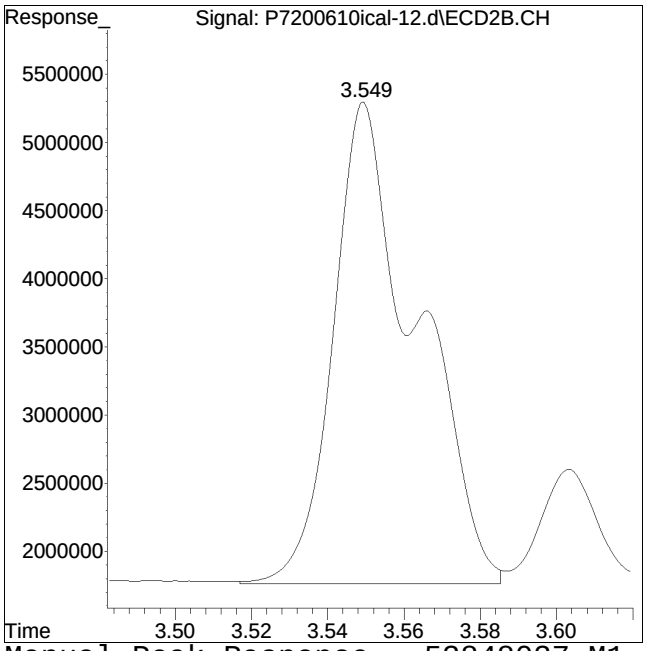
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-12.d
Date Inj'd : 6/10/2020 9:08 pm
Sample : il23262,42e,,9812

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 11:49 pm

Compound #93: 1232-2 #2





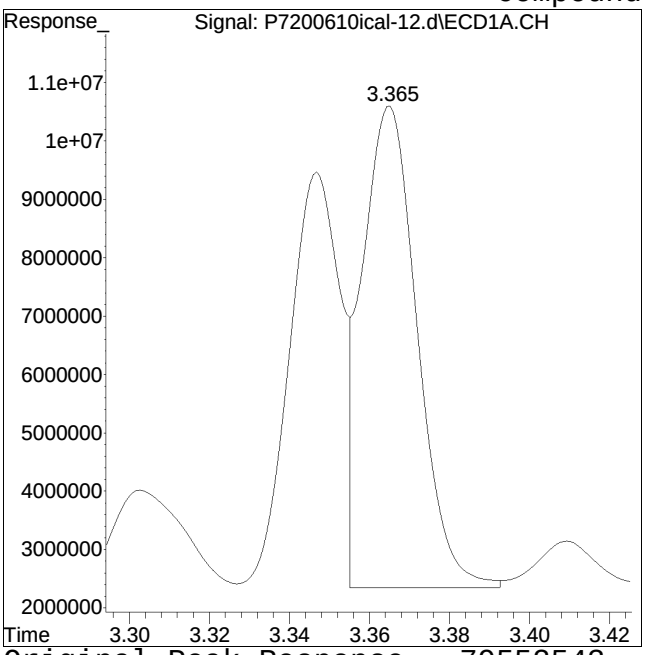
Original Peak Response = 36927512 Manual Peak Response = 53848037 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

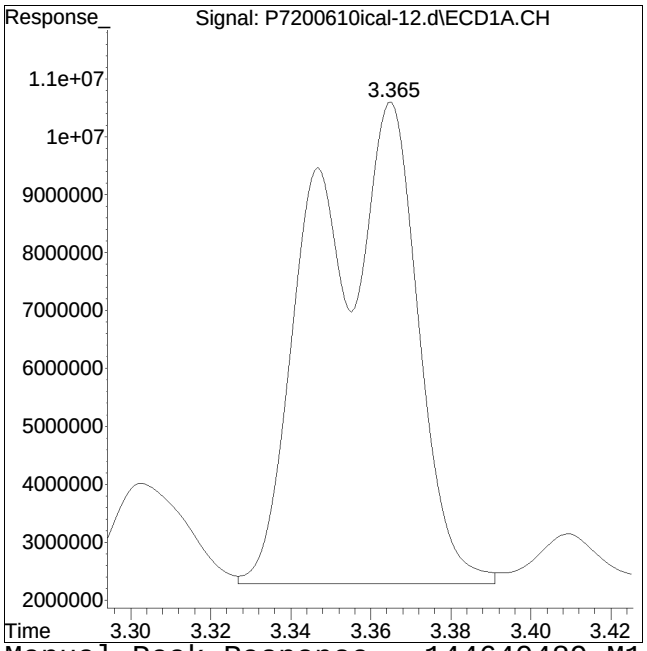
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-12.d
Date Inj'd : 6/10/2020 9:08 pm
Sample : il23262,42e,,9812

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 11:49 pm

Compound #43: 1232-3





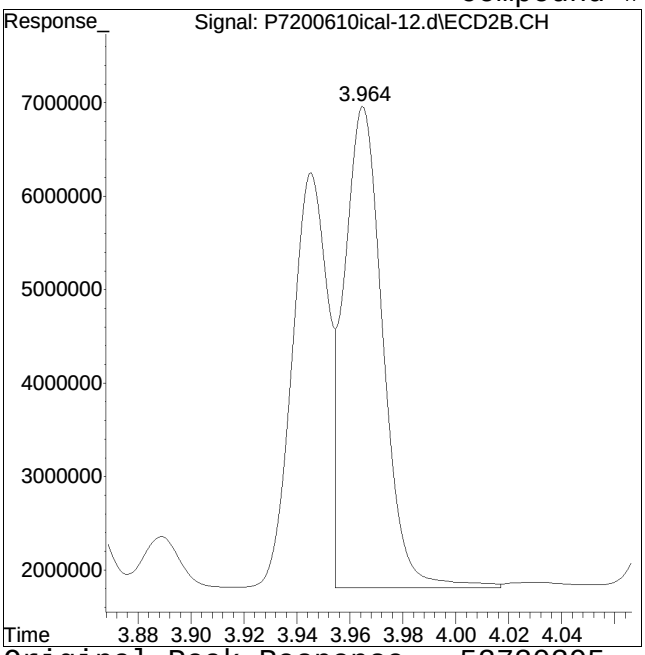
Original Peak Response = 79552543 Manual Peak Response = 144640489 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

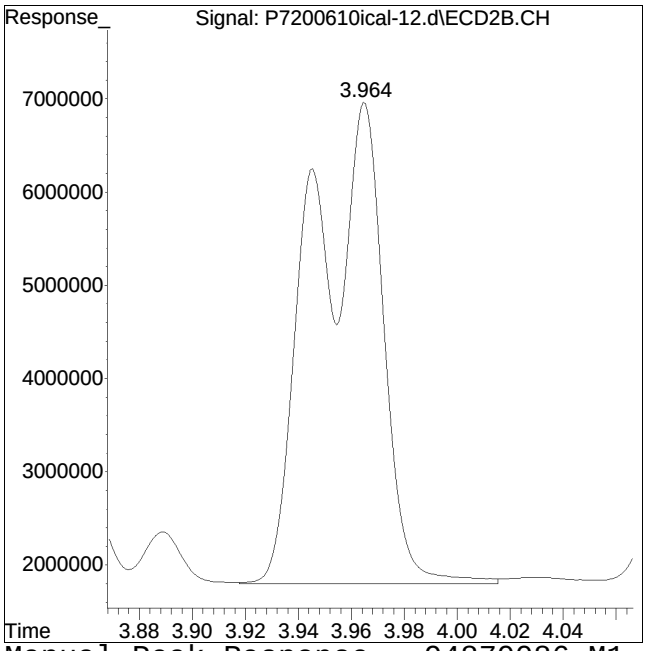
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-12.d
Date Inj'd : 6/10/2020 9:08 pm
Sample : il23262,42e,,9812

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 11:49 pm

Compound #94: 1232-3 #2





Original Peak Response = 52730395 Manual Peak Response = 94870086 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-13.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 9:21 pm
Operator : pest7:ht
Sample : il33262,42e,,9812
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:48:48 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:47:32 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	1.966	2.128	1316.3E6	899.5E6	250.000	250.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	500.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	500.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-13.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 9:21 pm
Operator : pest7:ht
Sample : il33262,42e,,9812
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:48:48 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:47:32 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Sum 1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-13.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 9:21 pm
Operator : pest7:ht
Sample : il33262,42e,,9812
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:48:48 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:47:32 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					0.000	0.000
41) l5	1232-1	2.739	3.205	133.8E6	93472867	1140.885	1123.667
42) l5	1232-2	2.999	3.549	133.2E6	99790296	1151.658	1154.549M1
43) l5	1232-3	3.365	3.965	268.4E6	178.7E6	1099.911M1	1063.453M1
44) l5	1232-4	3.472	4.085	111.9E6	71303522	1131.403	1108.703
45) l5	1232-5	4.170	4.813	81121695	53353360	1085.363	1070.701
Sum	1232-1			728.4E6	496.6E6	5609.220	5521.073
Average	1232-1					1121.844	1104.215
46) l8	1262-1	5.049	5.693	361.7E6	222.9E6	1093.395	1056.284
47) l8	1262-2	5.361	6.040	445.1E6	306.7E6	1097.170	1042.773
48) l8	1262-3	5.553	6.269	410.8E6	290.7E6	1079.394	1036.210
49) l8	1262-4	5.787	6.446	772.1E6	546.9E6	1072.243	1016.419
50) l8	1262-5	6.459	7.140	266.2E6	219.4E6	1061.516	1045.593
Sum	1262-1			2256.0E6	1586.7E6	5403.717	5197.279
Average	1262-1					1080.743	1039.456

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			2256.0E6	1586.7E6	5403.717	5197.279
Average	1262-1					1080.743	1039.456

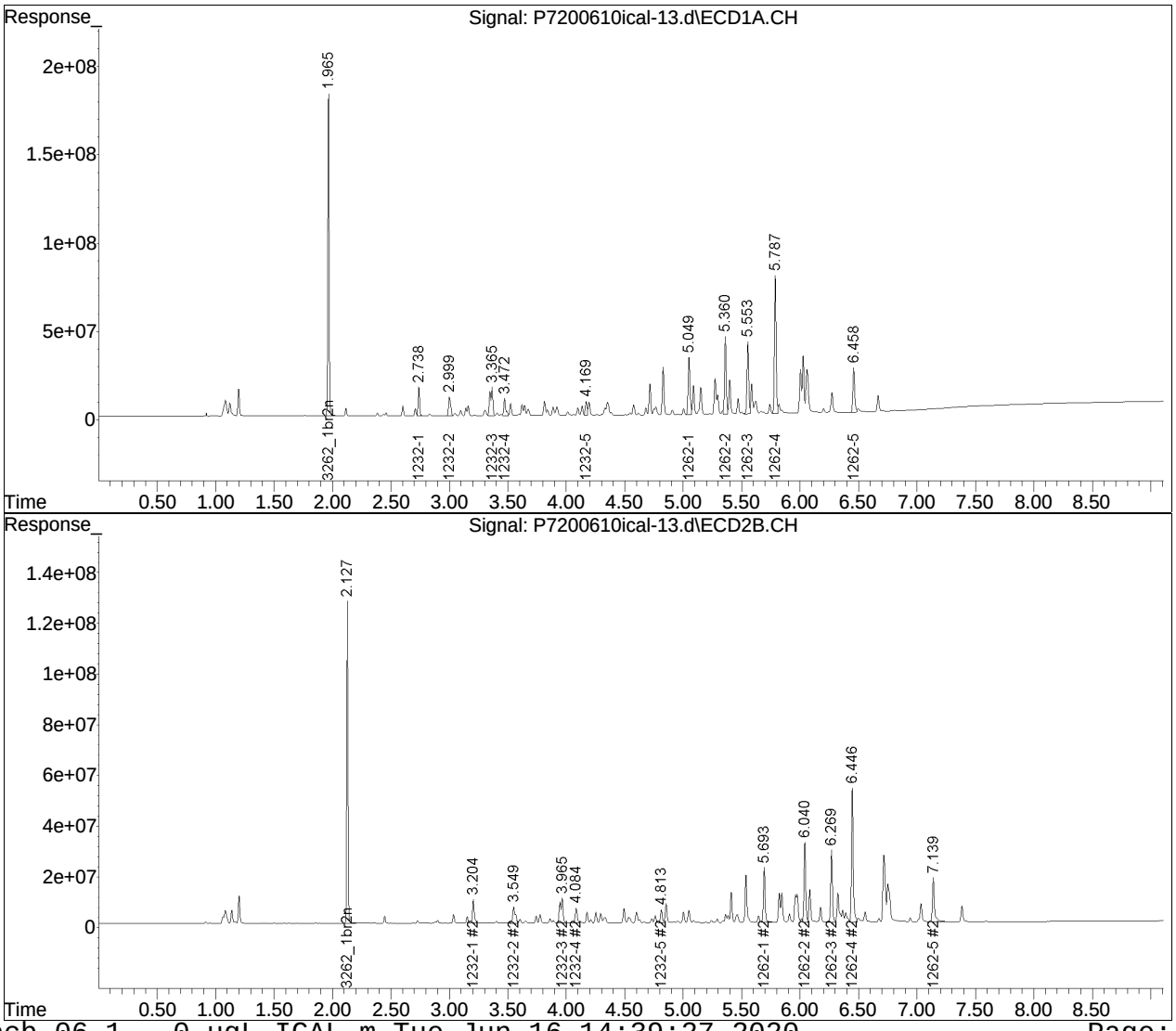
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-13.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 9:21 pm
Operator : pest7:ht
Sample : il33262,42e,,9812
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:48:48 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:47:32 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

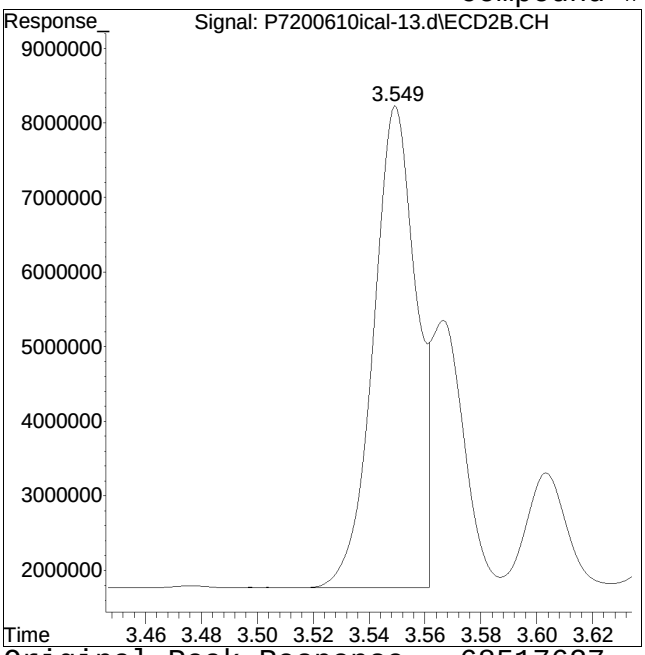


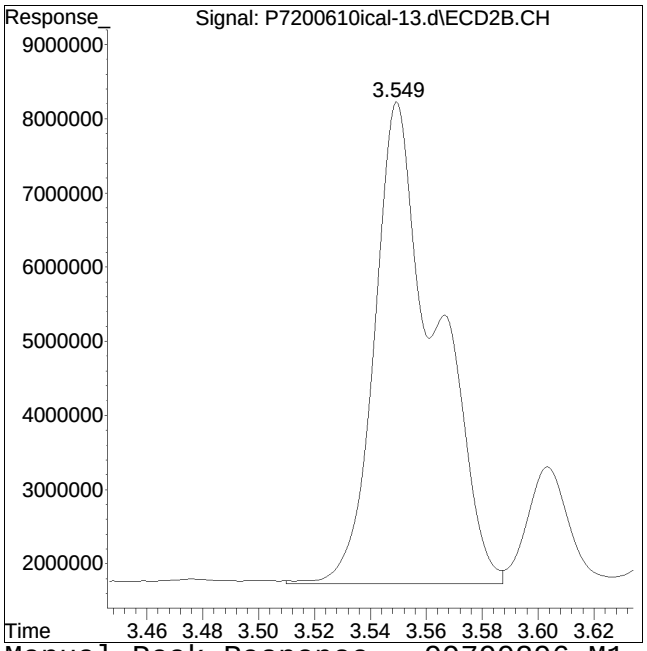
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-13.d
Date Inj'd : 6/10/2020 9:21 pm
Sample : il33262,42e,,9812

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 11:47 pm

Compound #93: 1232-2 #2





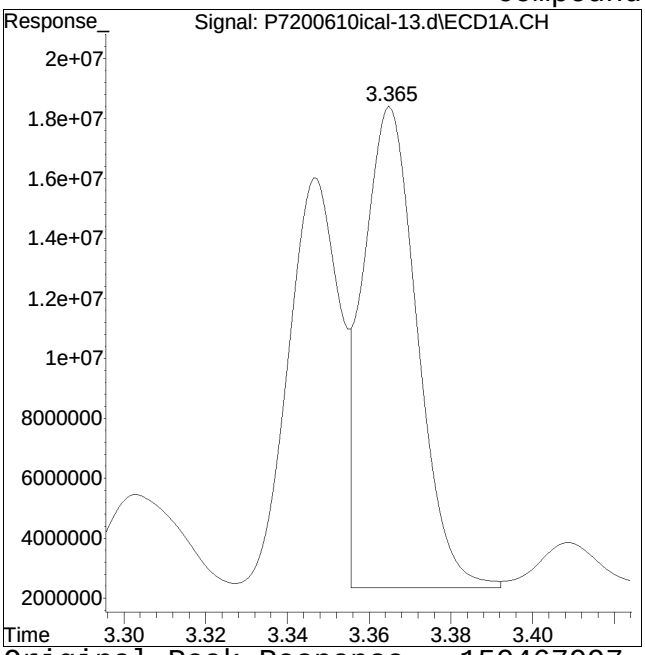
Original Peak Response = 68517627 Manual Peak Response = 99790296 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

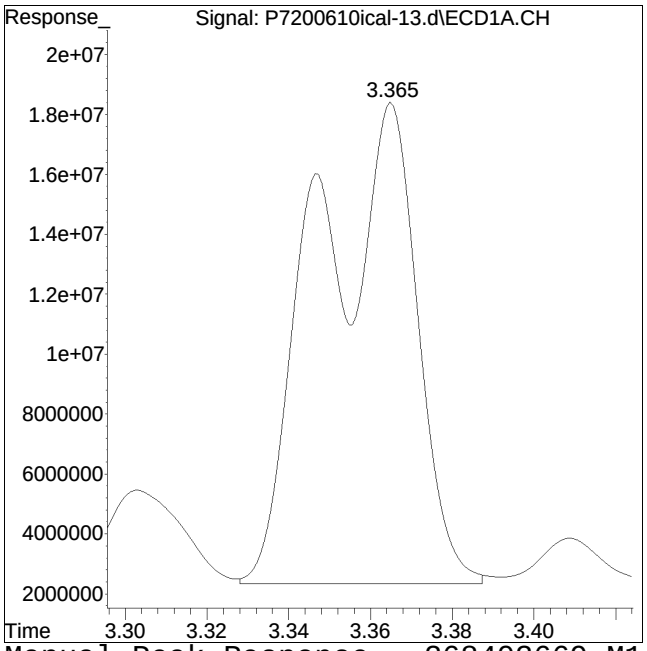
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-13.d
Date Inj'd : 6/10/2020 9:21 pm
Sample : il33262,42e,,9812

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 11:47 pm

Compound #43: 1232-3





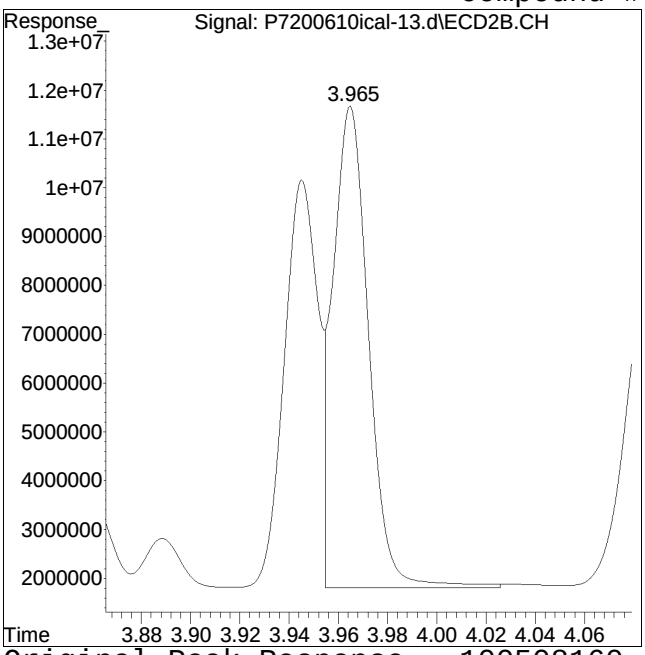
Original Peak Response = 150467997 Manual Peak Response = 268403669 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

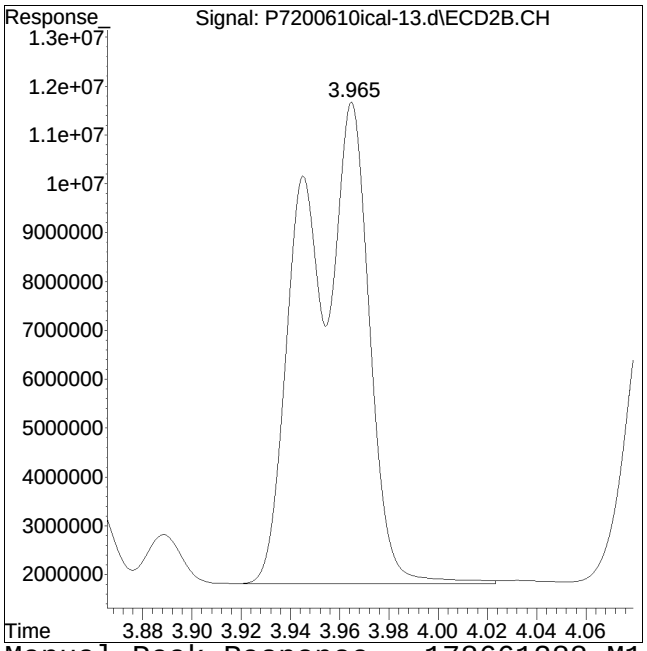
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-13.d
Date Inj'd : 6/10/2020 9:21 pm
Sample : il33262,42e,,9812

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 11:47 pm

Compound #94: 1232-3 #2





Original Peak Response = 100508160 Manual Peak Response = 178661288 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-14.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 9:34 pm
Operator : pest7:ht
Sample : il43262,42e,,9812
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:44:06 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:42:53 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	1.966	2.128	1277.1E6	874.5E6	250.000	250.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	500.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	500.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-14.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 9:34 pm
Operator : pest7:ht
Sample : il43262,42e,,9812
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:44:06 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:42:53 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-14.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 9:34 pm
Operator : pest7:ht
Sample : il43262,42e,,9812
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:44:06 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:42:53 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					0.000	0.000
41) l5	1232-1	2.739	3.204	304.6E6	214.1E6	NoCal	NoCal
42) l5	1232-2	2.999	3.549	301.7E6	224.1E6	NoCal	NoCal M1
43) l5	1232-3	3.365	3.964	628.6E6	429.7E6	NoCal M1	NoCal M1
44) l5	1232-4	3.472	4.084	255.5E6	164.0E6	NoCal	NoCal
45) l5	1232-5	4.170	4.814	188.7E6	124.6E6	NoCal	NoCal
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	5.049	5.694	836.9E6	524.0E6	NoCal	NoCal
47) l8	1262-2	5.361	6.040	1028.9E6	725.7E6	NoCal	NoCal
48) l8	1262-3	5.554	6.268	957.2E6	689.5E6	NoCal	NoCal
49) l8	1262-4	5.788	6.444	1814.4E6	1312.3E6	NoCal	NoCal
50) l8	1262-5	6.455	7.133	620.8E6	517.2E6	NoCal	NoCal
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

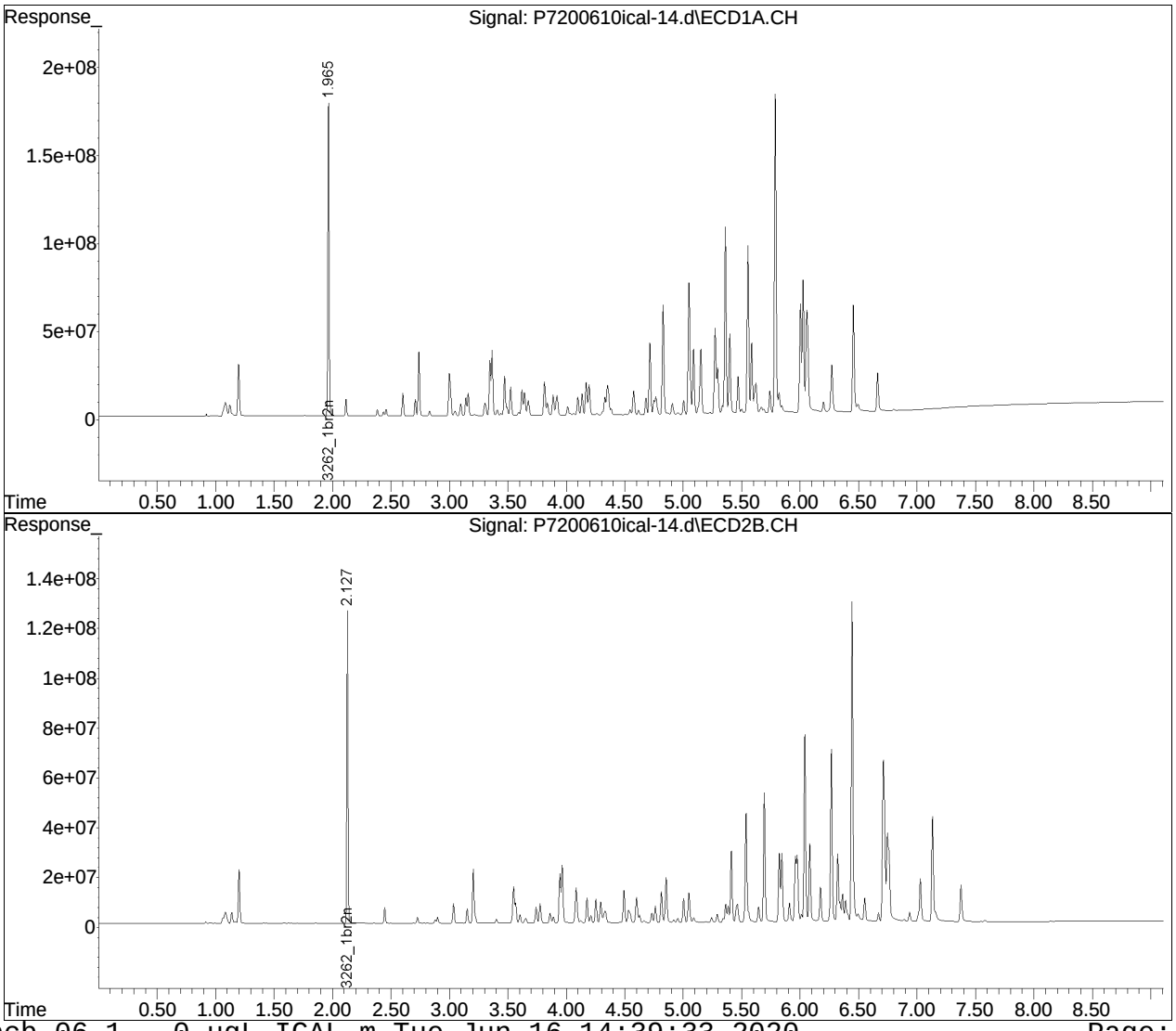
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-14.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 9:34 pm
Operator : pest7:ht
Sample : il43262,42e,,9812
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:44:06 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:42:53 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

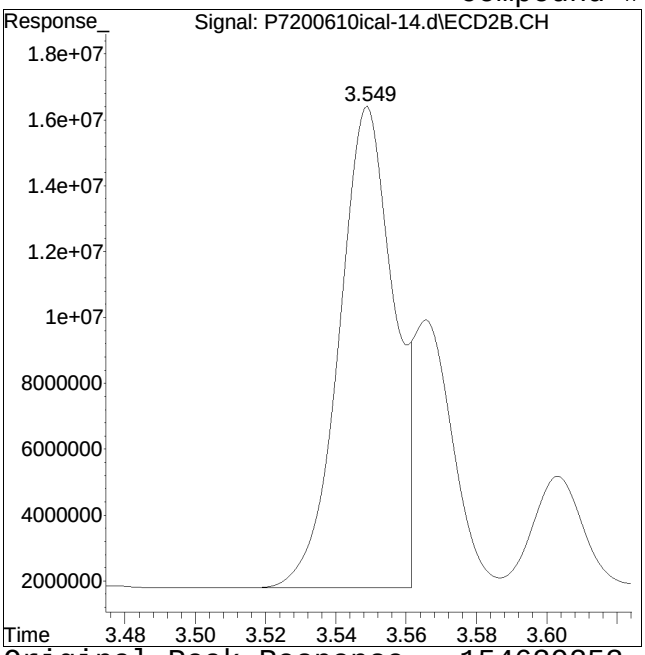
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



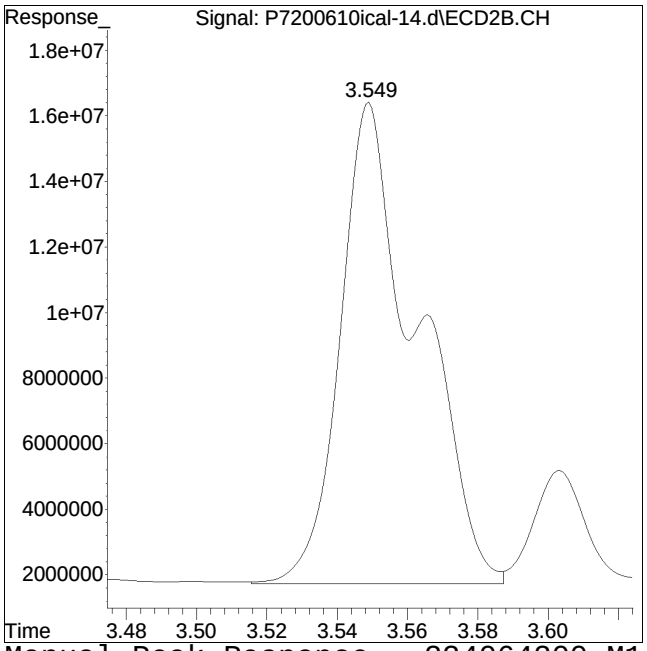
Manual Integration Report

Data Path	: I:\Pest7\200610ical\	QMethod	: P7_pcb_06_10_20_ugL_ICAL
Data File	: P7200610ical-14.d	Operator	: pest7:ht
Date Inj'd	: 6/10/2020 9:34 pm	Instrument	: Pest 7
Sample	: il43262,42e,,9812	Quant Date	: 6/11/2020 11:43 pm

Compound #93: 1232-2 #2



Original Peak Response = 154639253



Manual Peak Response = 224064200 M1

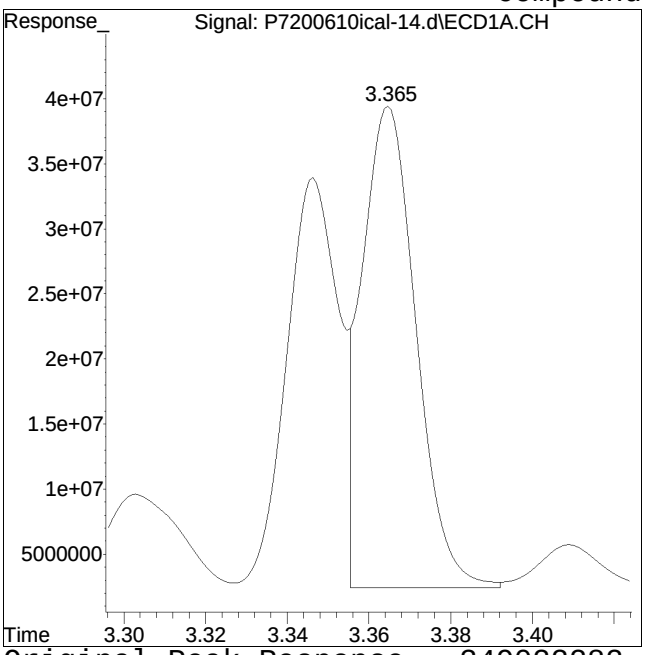
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

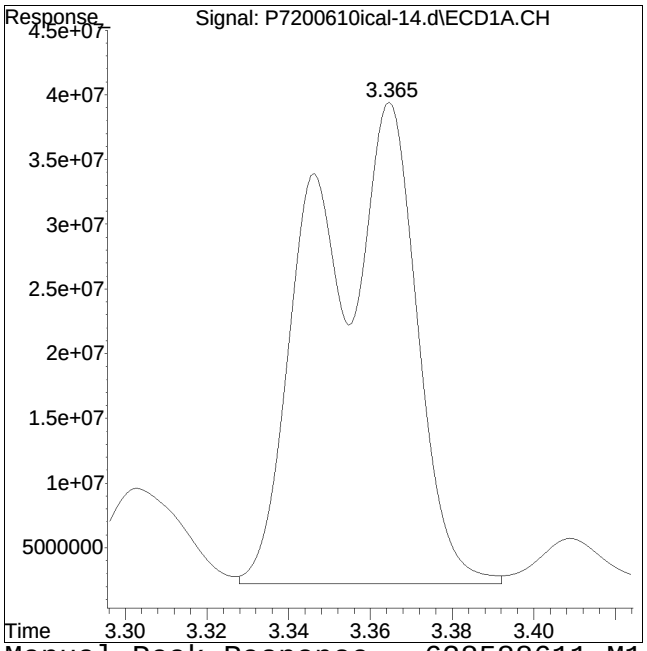
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-14.d
Date Inj'd : 6/10/2020 9:34 pm
Sample : il43262,42e,,9812

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 11:43 pm

Compound #43: 1232-3





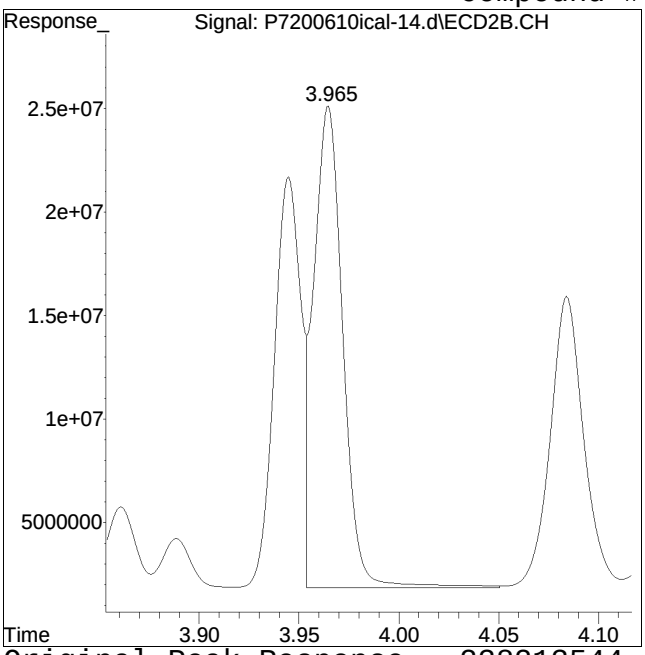
Original Peak Response = 349022282 Manual Peak Response = 628588611 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

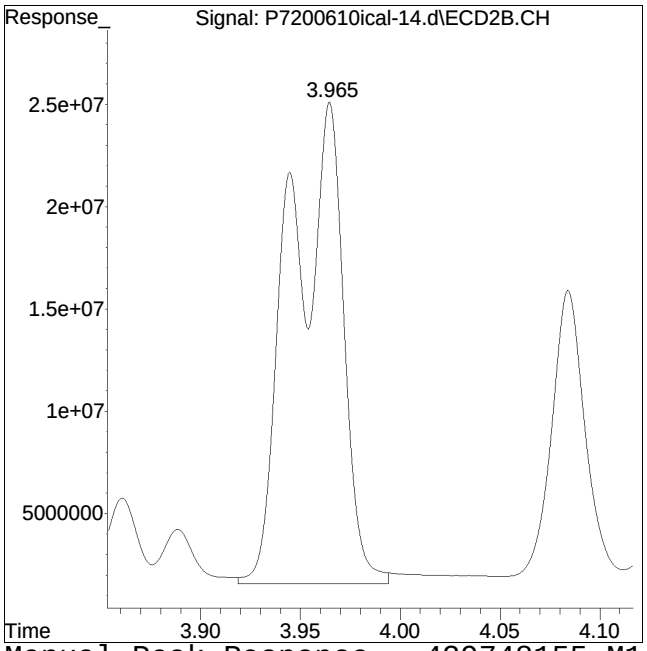
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-14.d
Date Inj'd : 6/10/2020 9:34 pm
Sample : il43262,42e,,9812

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 11:43 pm

Compound #94: 1232-3 #2





Original Peak Response = 238213544 Manual Peak Response = 429748155 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-15.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 9:47 pm
Operator : pest7:ht
Sample : il53262,42e,,9812
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:45:56 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:44:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	1.966	2.128	1268.6E6	869.7E6	250.000	250.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-15.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 9:47 pm
Operator : pest7:ht
Sample : il53262,42e,,9812
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:45:56 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:44:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-15.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 9:47 pm
Operator : pest7:ht
Sample : il53262,42e,,9812
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:45:56 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:44:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					0.000	0.000
41) l5	1232-1	2.739	3.205	559.6E6	397.5E6	4623.716	4666.431
42) l5	1232-2	2.999	3.549	551.5E6	410.5E6	4599.928	4605.568M1
43) l5	1232-3	3.365	3.965	1163.1E6	797.3E6	4656.540M1	4663.743M1
44) l5	1232-4	3.472	4.085	472.0E6	307.1E6	4650.003	4708.714
45) l5	1232-5	4.170	4.814	358.5E6	238.7E6	4780.383	4815.236
Sum	1232-1			3104.7E6	2151.1E6	23310.570	23459.692
Average	1232-1					4662.114	4691.938
46) l8	1262-1	5.049	5.694	1588.6E6	1014.9E6	4777.254	4869.301
47) l8	1262-2	5.361	6.040	1949.5E6	1416.7E6	4768.523	4907.481
48) l8	1262-3	5.554	6.267	1831.0E6	1350.2E6	4813.895	4922.628
49) l8	1262-4	5.787	6.443	3458.4E6	2591.6E6	4796.966	4964.221
50) l8	1262-5	6.455	7.129	1202.5E6	1009.4E6	4874.862	4906.302
Sum	1262-1			10030.0E6	7382.8E6	24031.501	24569.933
Average	1262-1					4806.300	4913.987

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			10030.0E6	7382.8E6	24031.501	24569.933
Average	1262-1					4806.300	4913.987

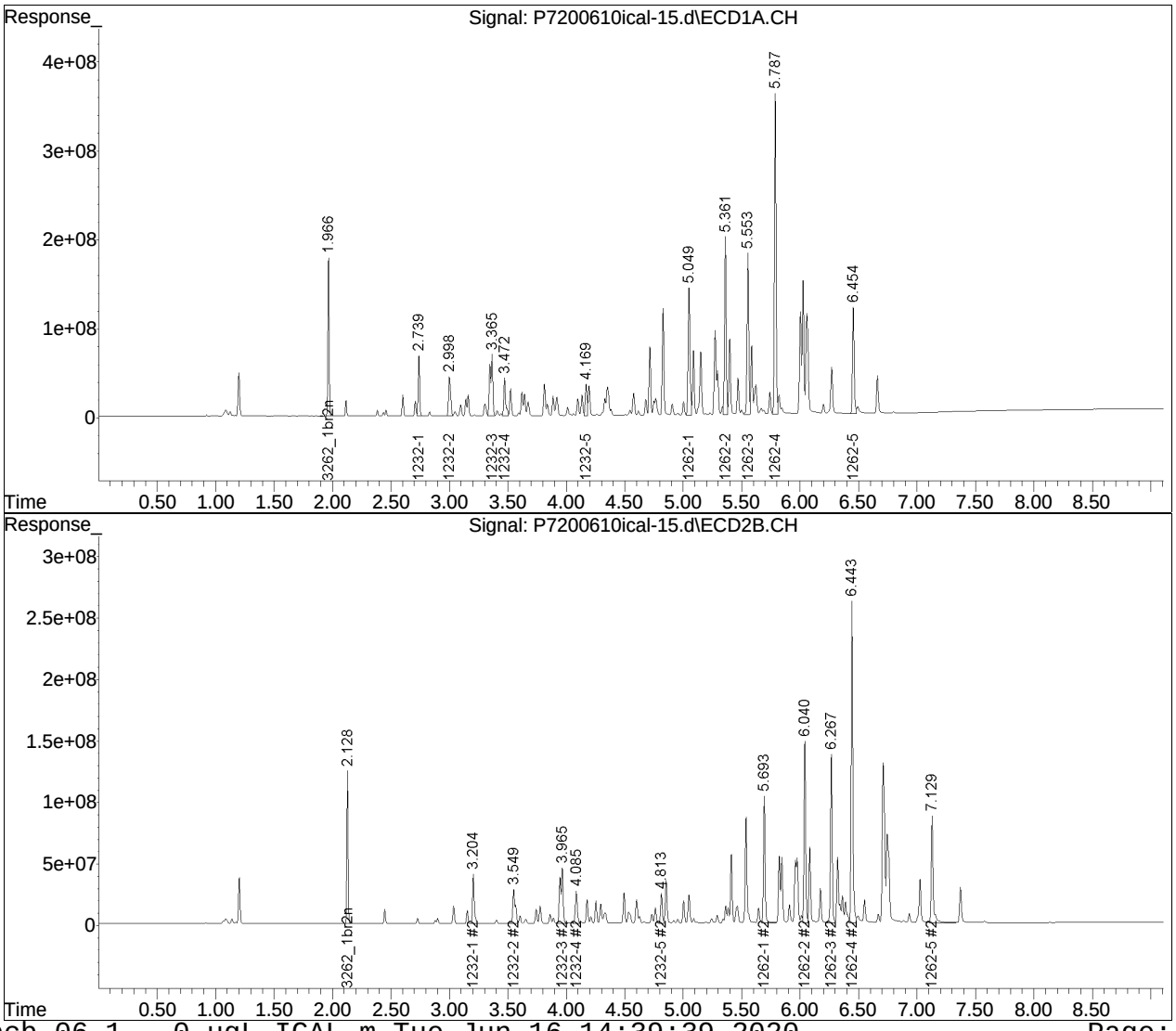
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-15.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 9:47 pm
Operator : pest7:ht
Sample : il53262,42e,,9812
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:45:56 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:44:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

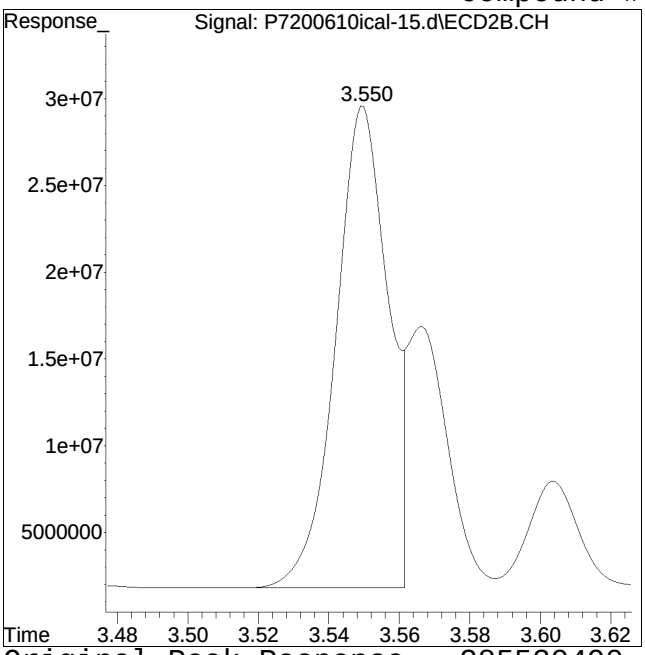


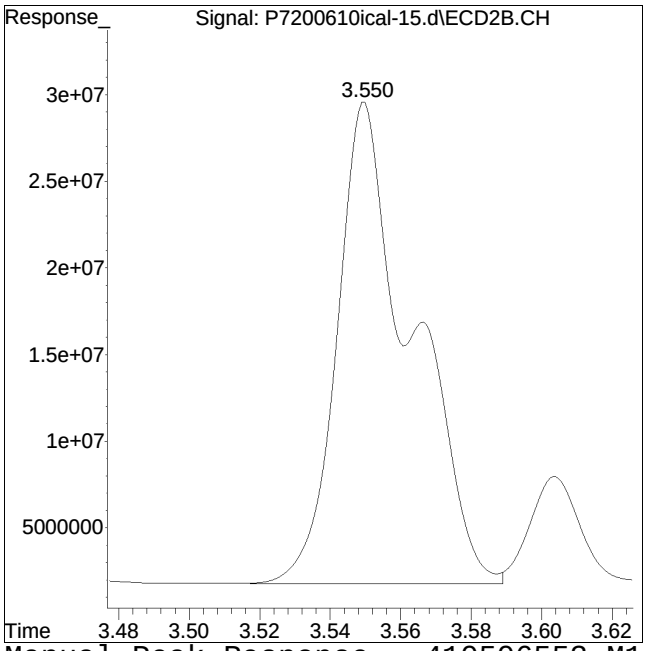
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-15.d
Date Inj'd : 6/10/2020 9:47 pm
Sample : il53262,42e,,9812

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 11:44 pm

Compound #93: 1232-2 #2





Original Peak Response = 285530490 Manual Peak Response = 410506553 M1

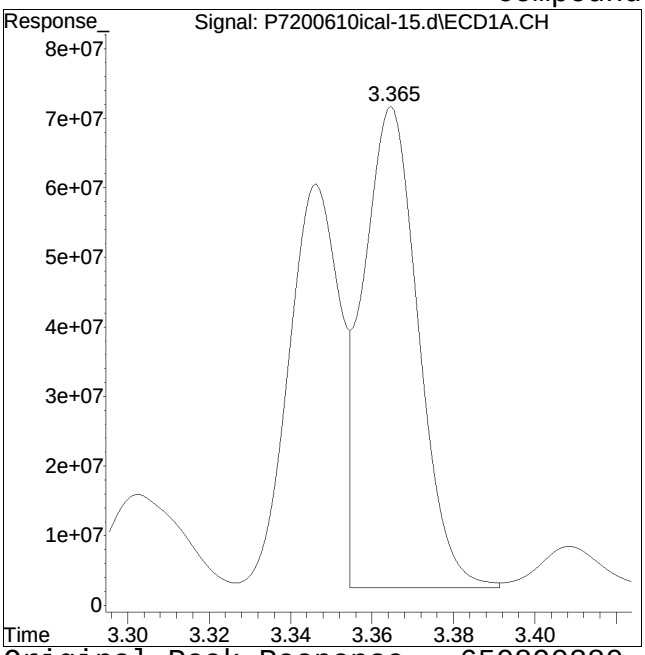
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

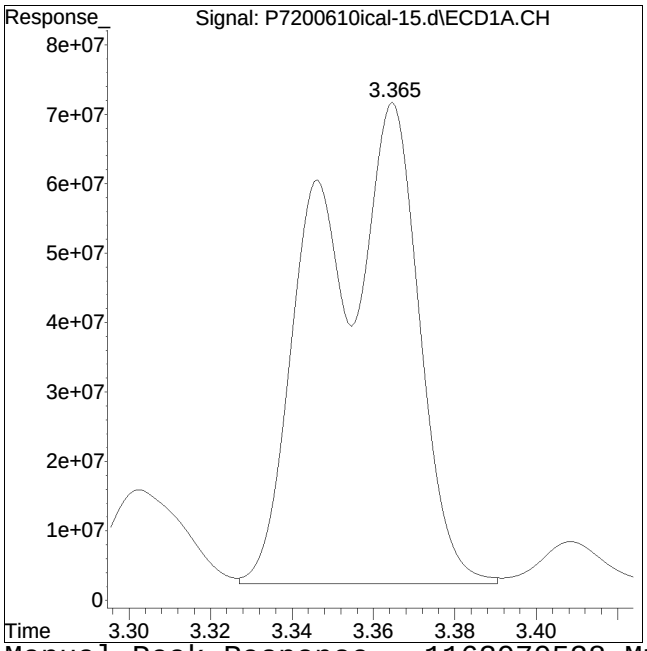
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-15.d
Date Inj'd : 6/10/2020 9:47 pm
Sample : il53262,42e,,9812

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 11:44 pm

Compound #43: 1232-3





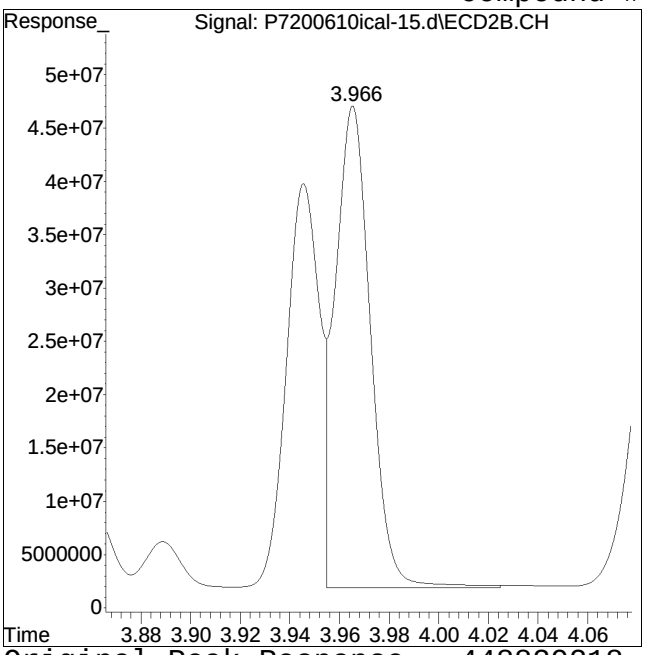
Original Peak Response = 650890380 Manual Peak Response = 1163070538 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

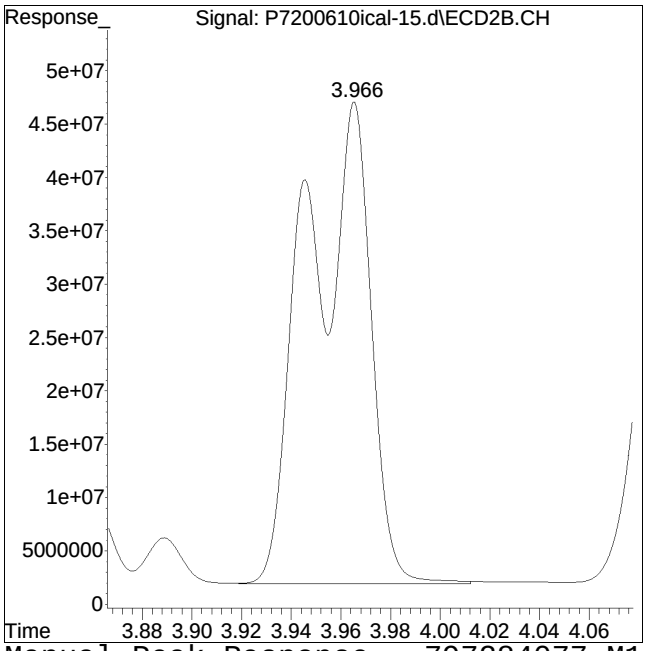
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-15.d
Date Inj'd : 6/10/2020 9:47 pm
Sample : il53262,42e,,9812

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 11:44 pm

Compound #94: 1232-3 #2





Original Peak Response = 448829218 Manual Peak Response = 797284077 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-16.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 9:59 pm
Operator : pest7:ht
Sample : il63262,42e,,9812
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:47:24 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:46:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	1.966	2.128	1246.9E6	855.3E6	250.000	250.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	500.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	500.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-16.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 9:59 pm
Operator : pest7:ht
Sample : il63262,42e,,9812
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:47:24 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:46:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-16.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 9:59 pm
Operator : pest7:ht
Sample : il63262,42e,,9812
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:47:24 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:46:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					0.000	0.000
41) l5	1232-1	2.739	3.205	1042.9E6	753.4E6	9109.359	9303.612
42) l5	1232-2	2.999	3.549	1023.9E6	781.6E6	9050.865	9282.110M1
43) l5	1232-3	3.364	3.965	2193.5E6	1543.0E6	9253.104M1	9496.783M1
44) l5	1232-4	3.472	4.085	885.3E6	589.0E6	9195.342	9457.259
45) l5	1232-5	4.170	4.814	682.4E6	464.4E6	9467.490	9705.451
Sum	1232-1			5828.1E6	4131.3E6	46076.161	47245.215
Average	1232-1					9215.232	9449.043
46) l8	1262-1	5.049	5.694	3009.6E6	1974.4E6	9418.007	9759.254
47) l8	1262-2	5.361	6.041	3678.1E6	2764.7E6	9370.221	9829.199
48) l8	1262-3	5.553	6.268	3478.2E6	2649.9E6	9480.074	9900.195
49) l8	1262-4	5.787	6.444	6580.5E6	5116.6E6	9479.101	10001.540
50) l8	1262-5	6.455	7.132	2339.1E6	1978.2E6	9770.240	9869.564
Sum	1262-1			19085.4E6	14483.7E6	47517.643	49359.752
Average	1262-1					9503.529	9871.950

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			19085.4E6	14483.7E6	47517.643	49359.752
Average	1262-1					9503.529	9871.950

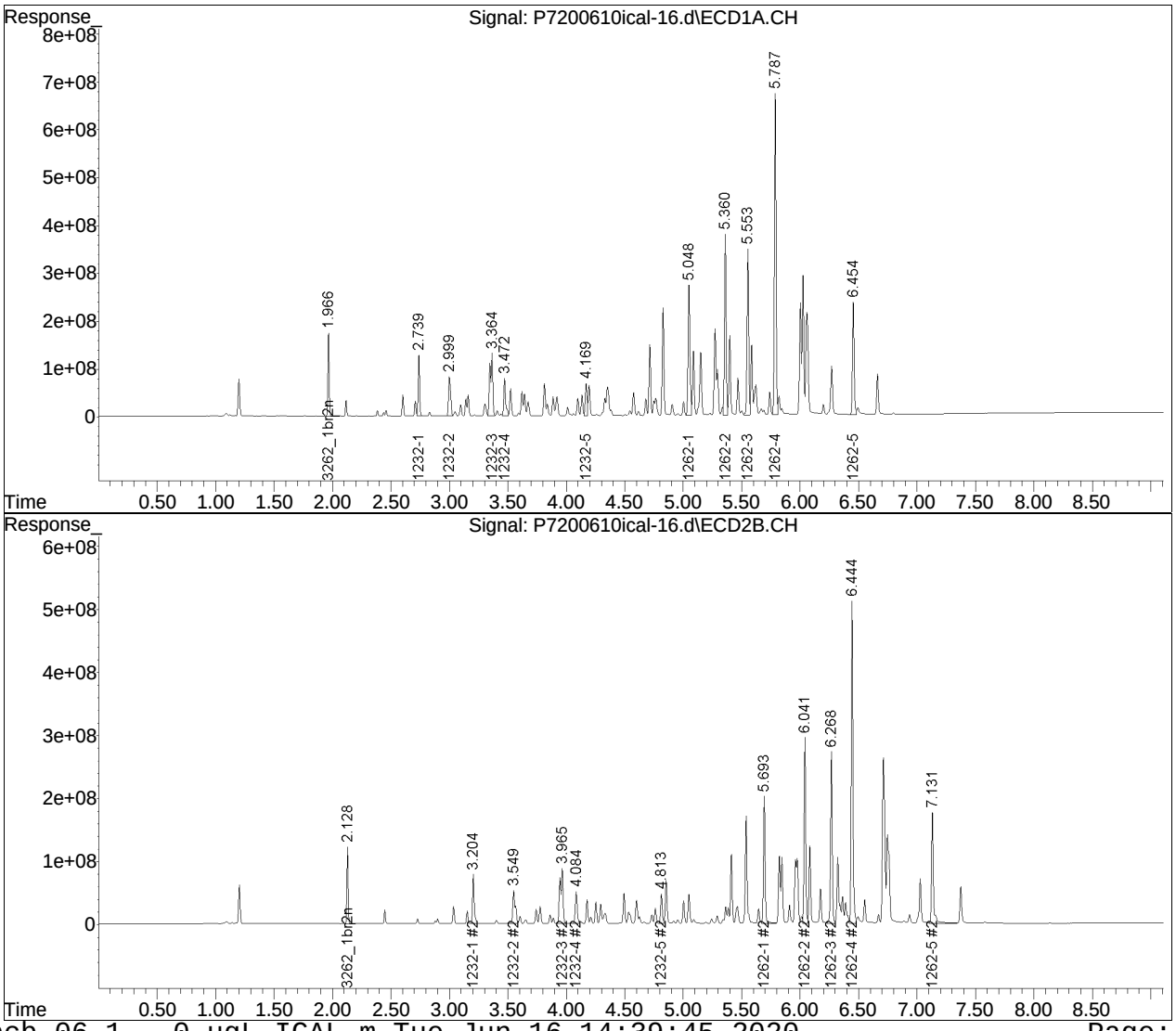
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-16.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 9:59 pm
Operator : pest7:ht
Sample : il63262,42e,,9812
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:47:24 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:46:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

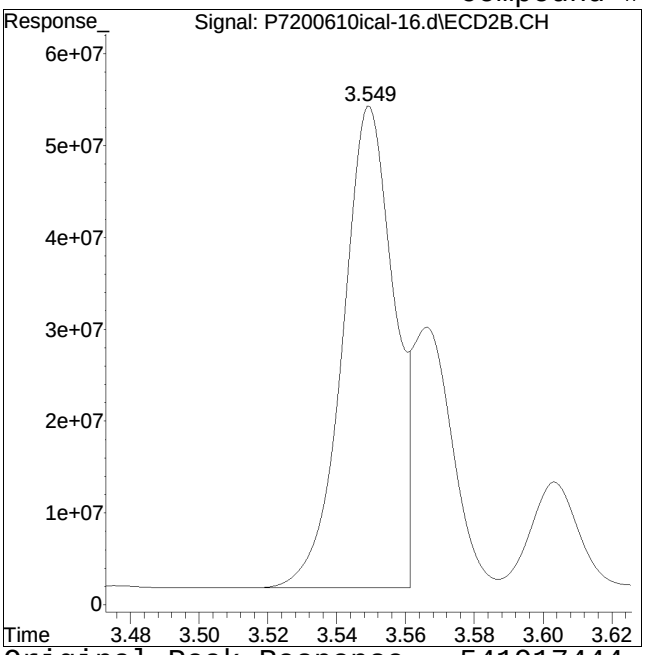


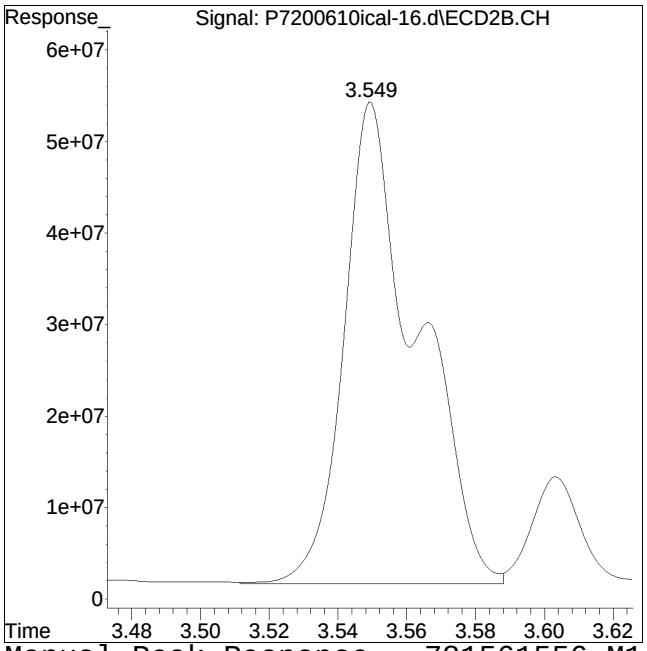
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-16.d
Date Inj'd : 6/10/2020 9:59 pm
Sample : il63262,42e,,9812

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 11:46 pm

Compound #93: 1232-2 #2





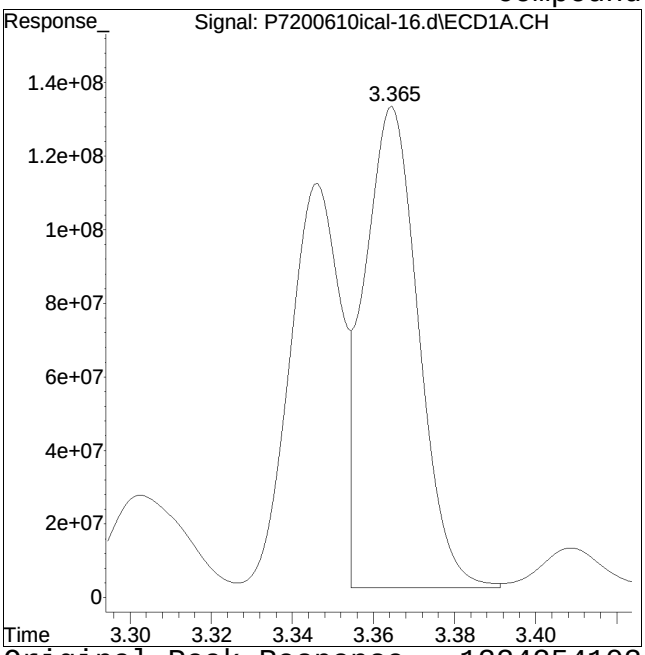
Original Peak Response = 541917444 Manual Peak Response = 781561556 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

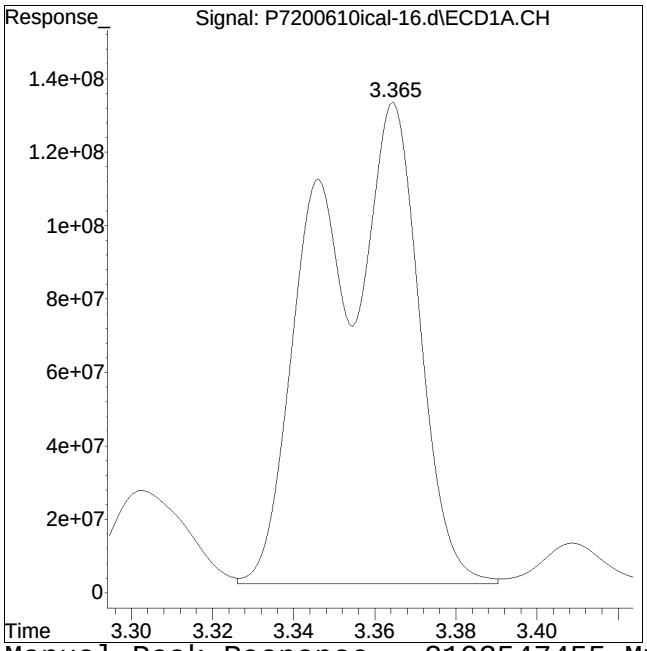
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-16.d
Date Inj'd : 6/10/2020 9:59 pm
Sample : il63262,42e,,9812

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 11:46 pm

Compound #43: 1232-3





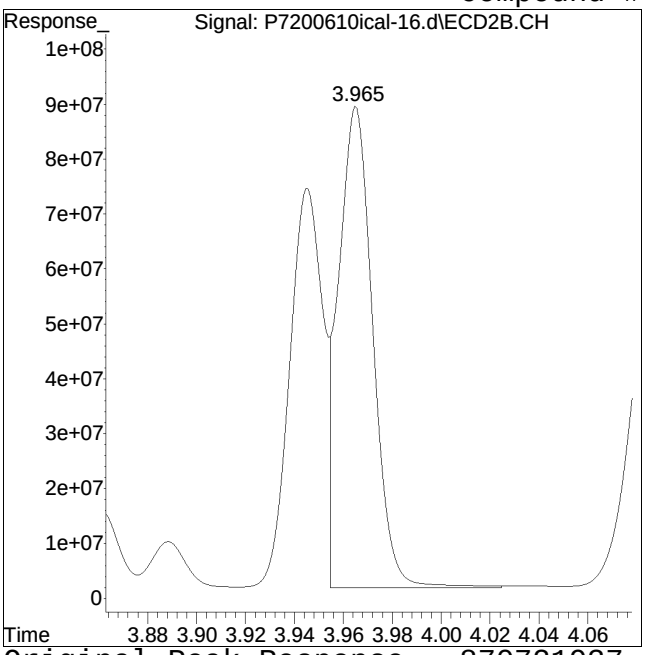
Original Peak Response = 1224254103 Manual Peak Response = 2193547455 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

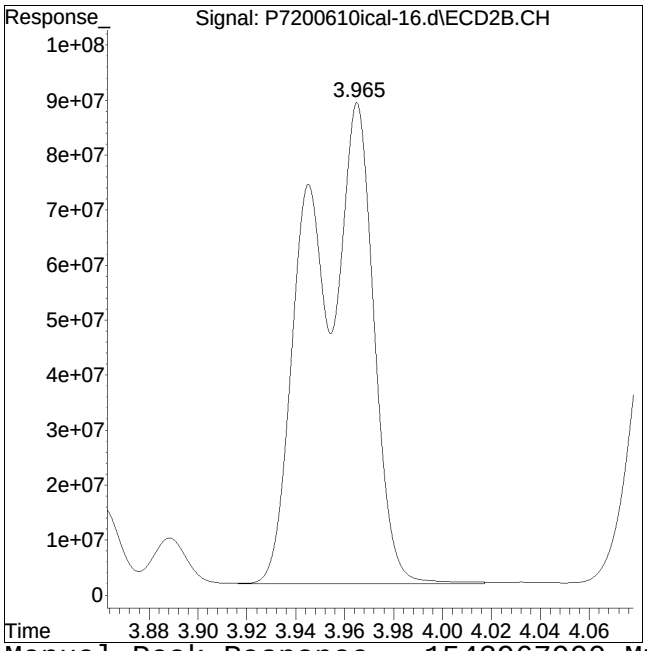
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-16.d
Date Inj'd : 6/10/2020 9:59 pm
Sample : il63262,42e,,9812

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 11:46 pm

Compound #94: 1232-3 #2





Original Peak Response = 870721937 Manual Peak Response = 1542967900 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-17.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 10:12 pm
Operator : pest7:ht
Sample : il11248,42e,,9814
Misc : wg1381533,
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 16 14:01:38 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jun 16 14:01:27 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	1.966	2.128	1274.8E6	874.2E6	250.000	250.000
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
Average	1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
Average	1260-1					0.000	0.000
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-17.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 10:12 pm
Operator : pest7:ht
Sample : il11248,42e,,9814
Misc : wg1381533,
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 16 14:01:38 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jun 16 14:01:27 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	3.347	3.945	18243473	11907779	123.128	118.458
36) l7	1248-2	3.621	4.253	23368479	16008633	126.794	123.706
37) l7	1248-3	3.813	4.494	37491927	18795222	122.906M1	118.836
38) l7	1248-4	4.170	4.814	29709833	19896502	116.095	115.061
39) l7	1248-5	4.195	4.855	25634366	23491684	114.323	117.552
Sum	1248-1			134.4E6	90099821	N.D.	N.D. D

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-17.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 10:12 pm
Operator : pest7:ht
Sample : il11248,42e,,9814
Misc : wg1381533,
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 16 14:01:38 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jun 16 14:01:27 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					120.649	118.723
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

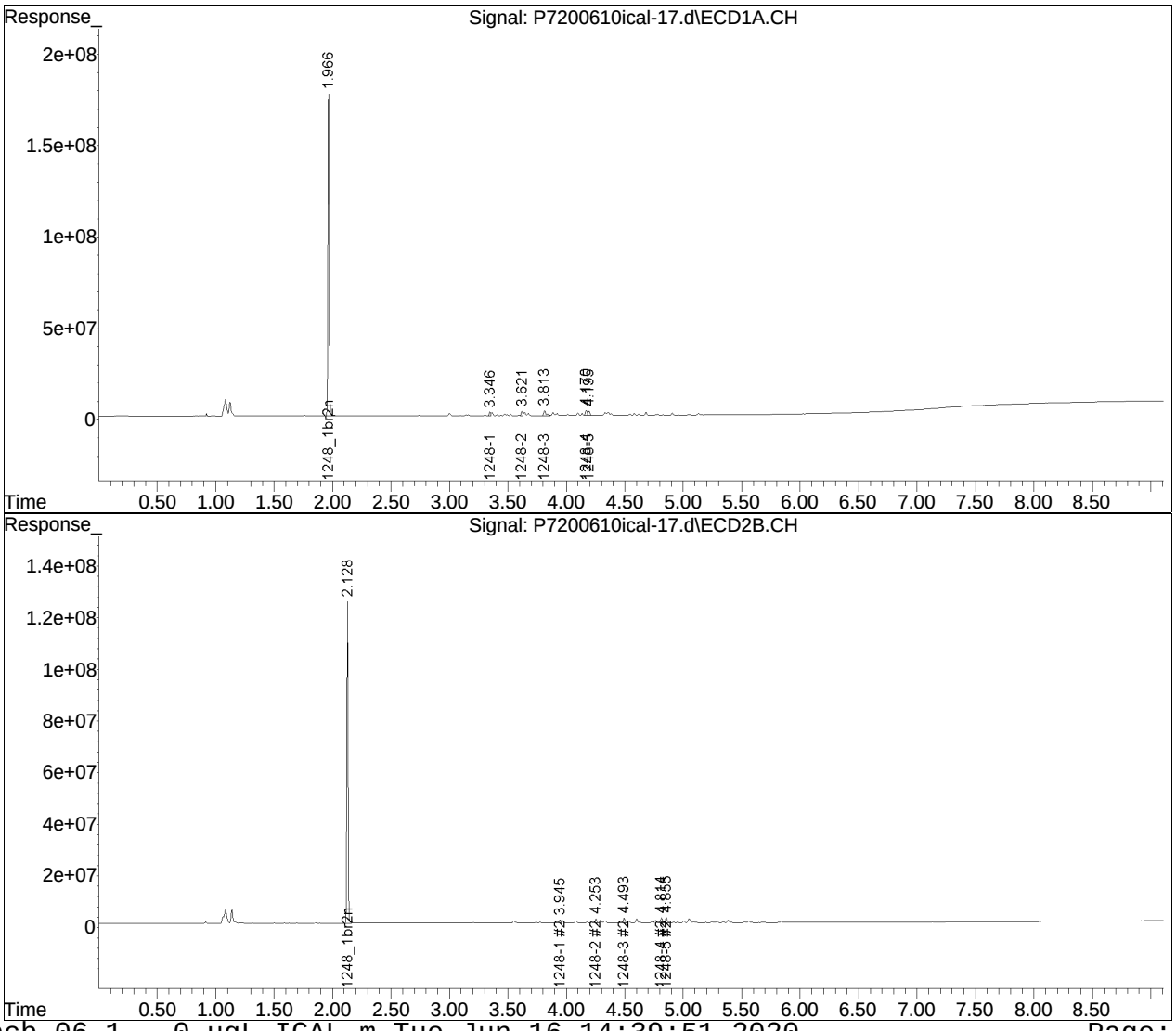
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-17.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 10:12 pm
Operator : pest7:ht
Sample : il11248,42e,,9814
Misc : wg1381533,
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 16 14:01:38 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jun 16 14:01:27 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

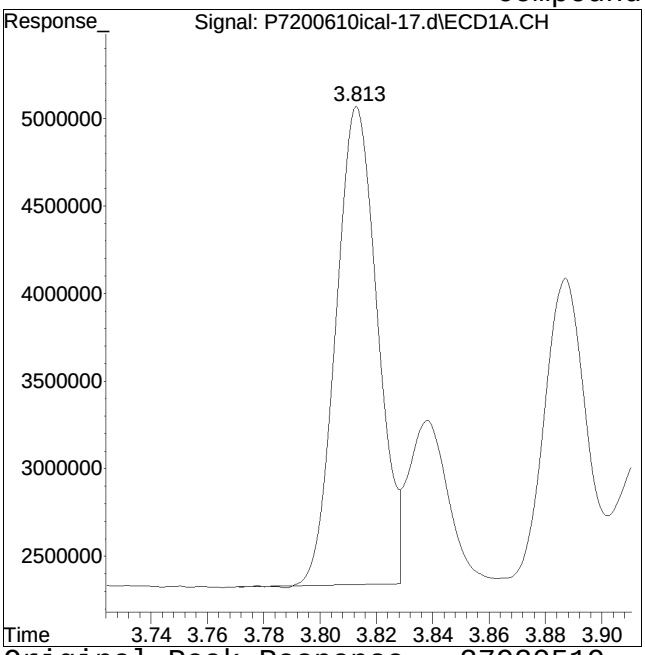


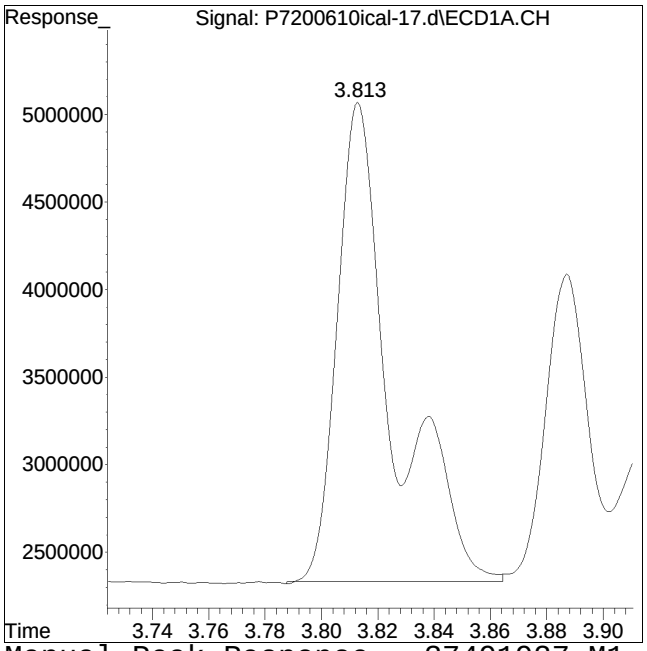
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-17.d
Date Inj'd : 6/10/2020 10:12 pm
Sample : il11248,42e,,9814

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/16/2020 2:01 pm

Compound #37: 1248-3





Original Peak Response = 27920519 Manual Peak Response = 37491927 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-18.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 10:25 pm
Operator : pest7:ht
Sample : il21248,42e,,9814
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:36:46 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:35:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	1.966	2.128	1318.1E6	905.7E6	250.000	250.000
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-18.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 10:25 pm
Operator : pest7:ht
Sample : il21248,42e,,9814
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:36:46 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:35:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	3.347	3.946	81057357	53992124	484.080	484.061
36) l7	1248-2	3.621	4.254	101.8E6	70818346	483.900	485.399
37) l7	1248-3	3.813	4.494	169.7E6	85295990	491.333M1	485.040
38) l7	1248-4	4.170	4.814	138.8E6	91774929	491.919	484.170
39) l7	1248-5	4.195	4.855	123.3E6	107.7E6	501.967	488.228
Sum	1248-1			614.7E6	409.6E6	NoCal	NoCal D

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-18.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 10:25 pm
Operator : pest7:ht
Sample : il21248,42e,,9814
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:36:46 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:35:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					490.640	485.380
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

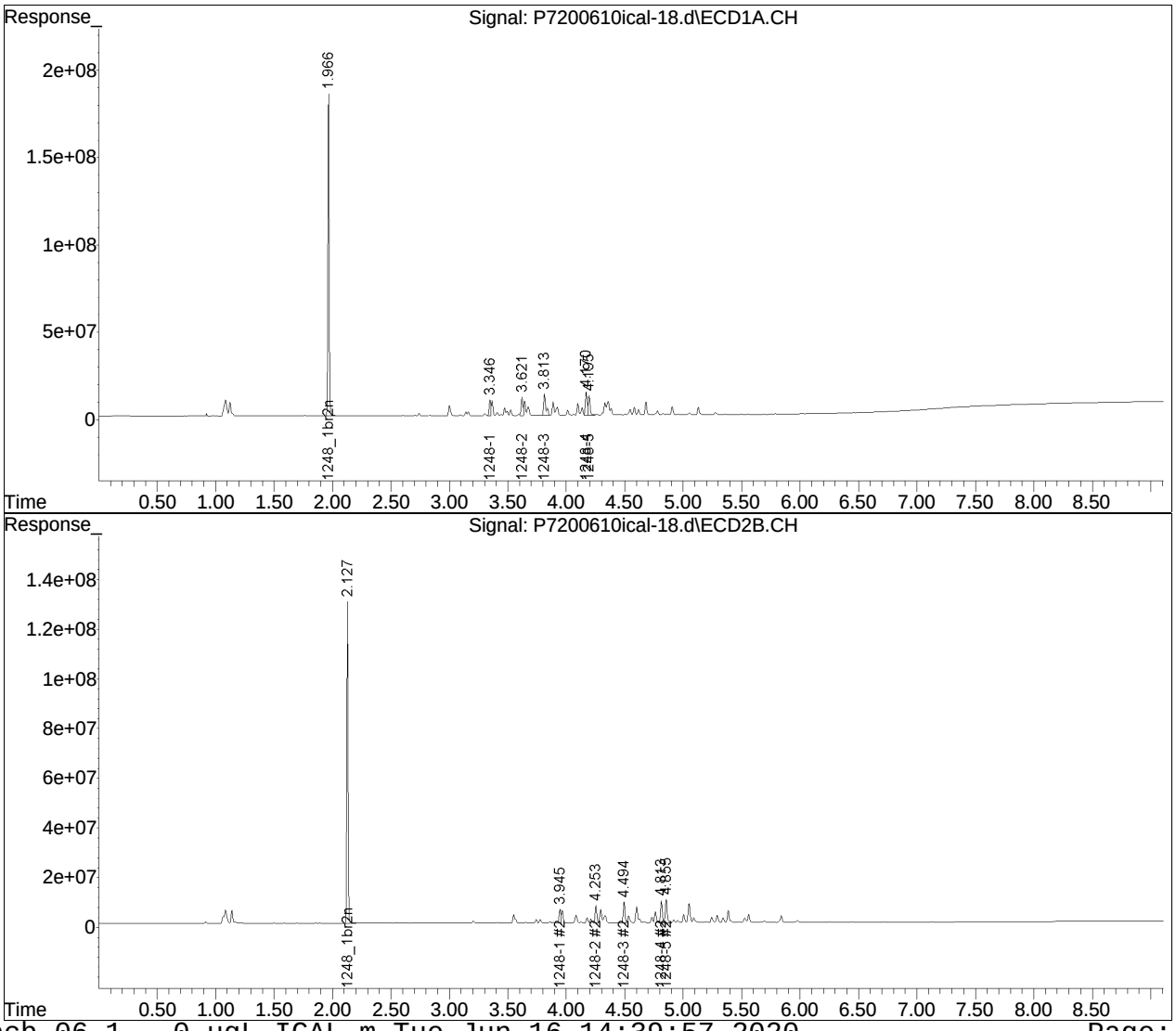
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-18.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 10:25 pm
Operator : pest7:ht
Sample : il21248,42e,,9814
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:36:46 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:35:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

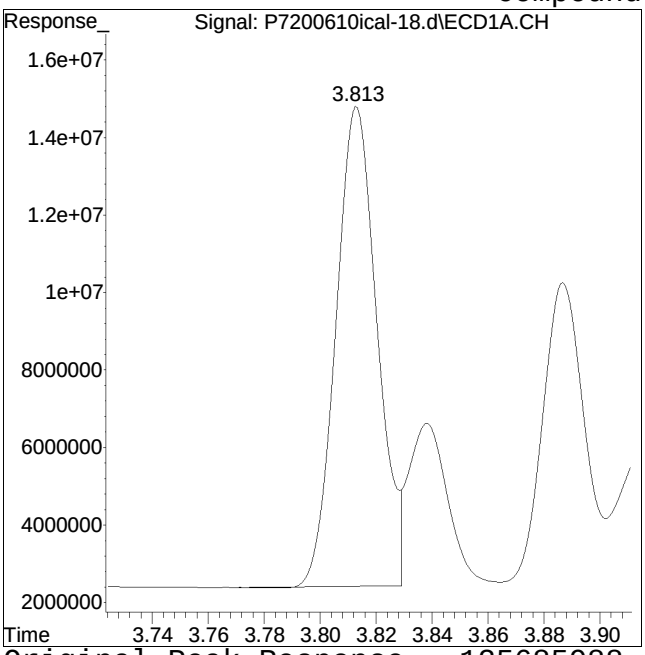


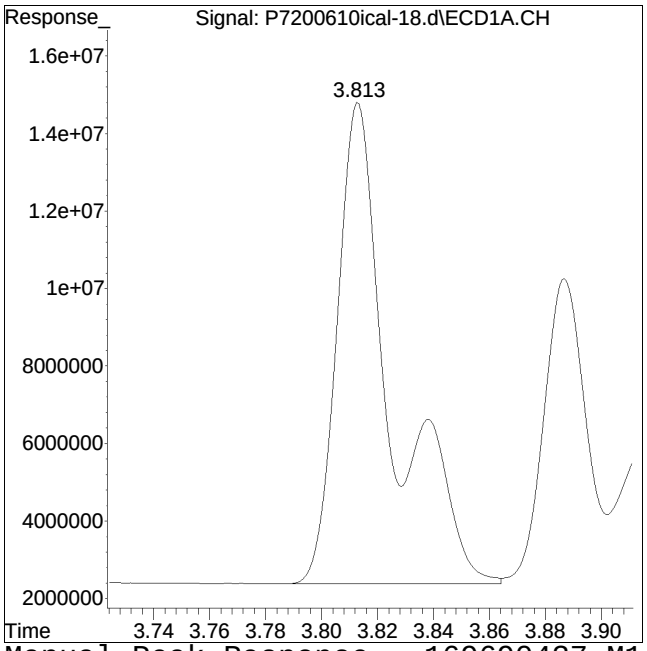
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-18.d
Date Inj'd : 6/10/2020 10:25 pm
Sample : il21248,42e,,9814

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 11:35 pm

Compound #37: 1248-3





Original Peak Response = 125685988 Manual Peak Response = 169690437 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-19.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 10:38 pm
Operator : pest7:ht
Sample : il31248,42e,,9814
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:37:47 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:36:52 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	1.966	2.128	1293.1E6	883.2E6	250.000	250.000
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-19.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 10:38 pm
Operator : pest7:ht
Sample : il31248,42e,,9814
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:37:47 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:36:52 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	3.347	3.946	151.1E6	101.1E6	929.834	938.975
36) l7	1248-2	3.621	4.254	188.5E6	130.4E6	923.052	925.579
37) l7	1248-3	3.813	4.494	314.7E6	159.0E6	934.154M1	936.659
38) l7	1248-4	4.170	4.814	262.0E6	173.2E6	951.521	947.115
39) l7	1248-5	4.195	4.855	233.3E6	200.5E6	966.913	939.215
Sum	1248-1			1149.7E6	764.3E6	NoCal	NoCal D

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-19.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 10:38 pm
Operator : pest7:ht
Sample : il31248,42e,,9814
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:37:47 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:36:52 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					941.095	937.509
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

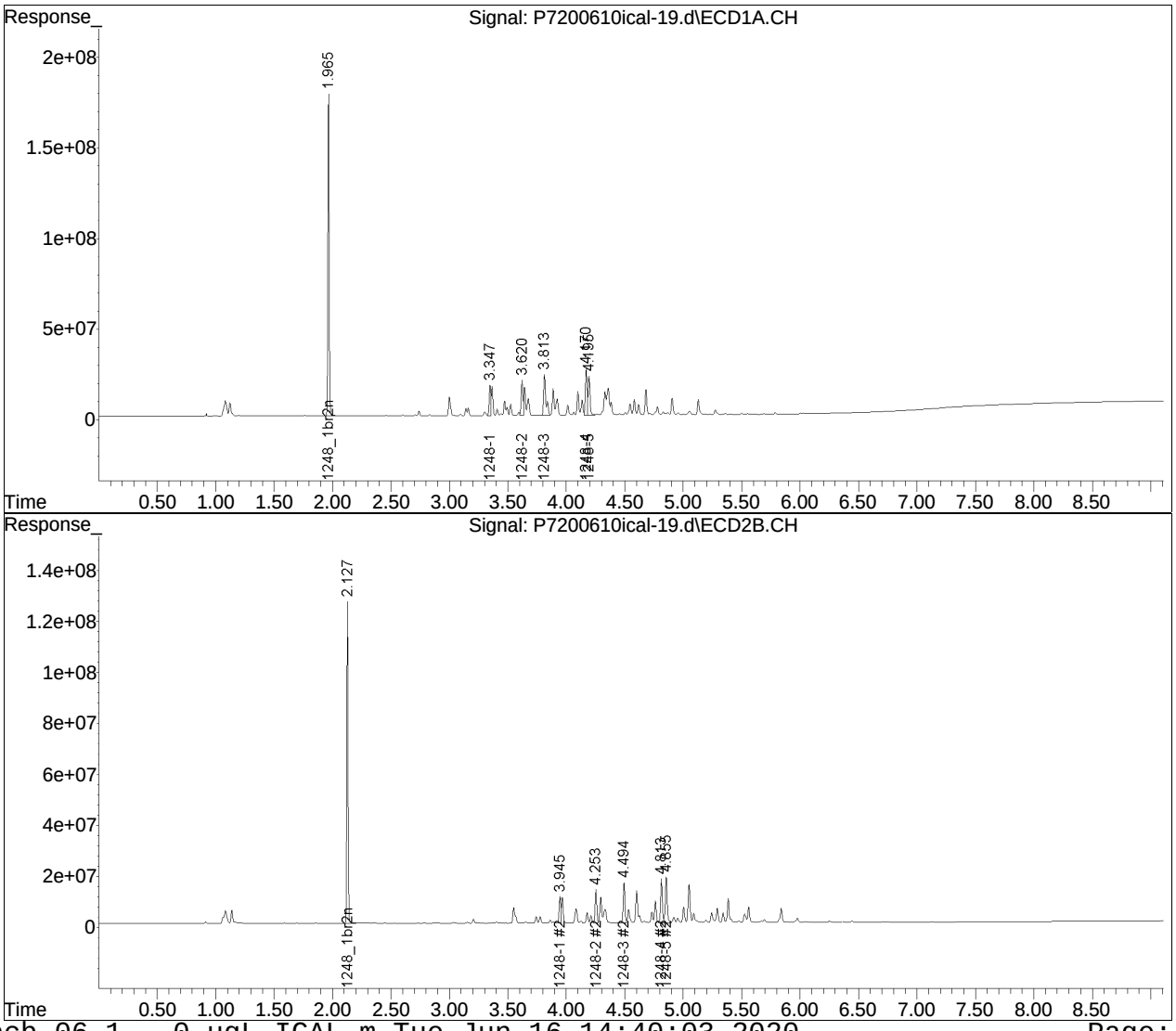
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-19.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 10:38 pm
Operator : pest7:ht
Sample : il31248,42e,,9814
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:37:47 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:36:52 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

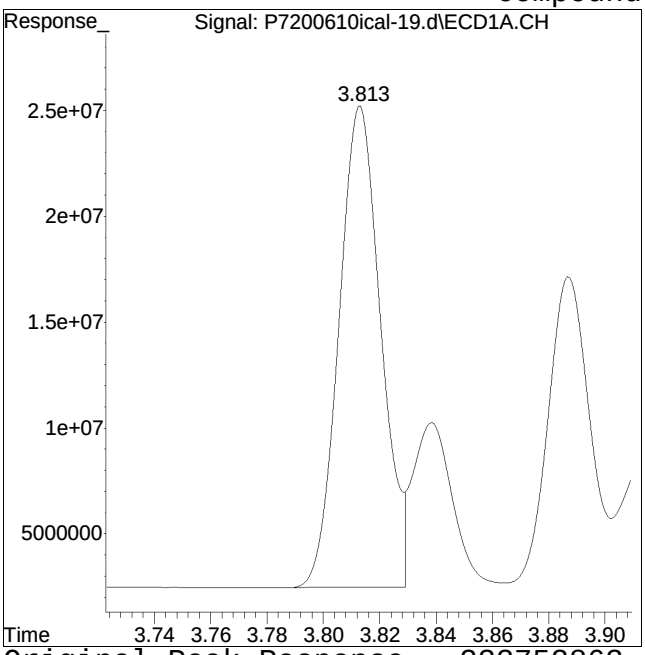


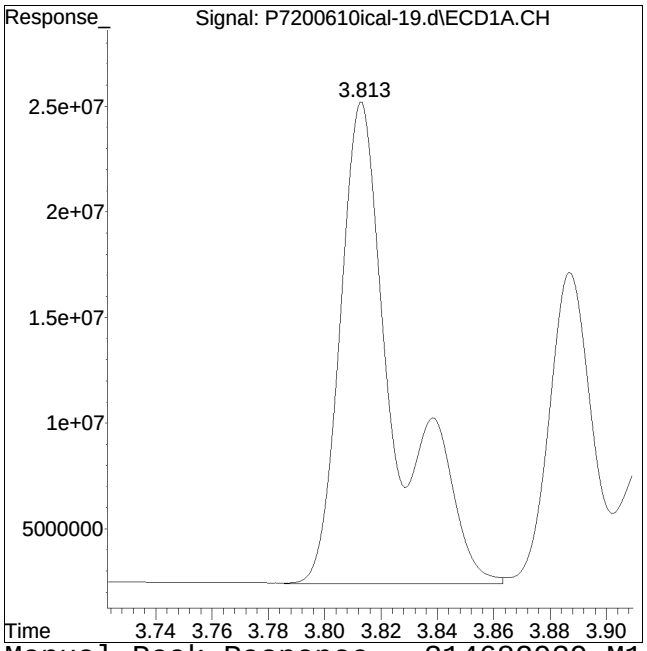
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-19.d
Date Inj'd : 6/10/2020 10:38 pm
Sample : il31248,42e,,9814

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 11:37 pm

Compound #37: 1248-3





Original Peak Response = 233752863 Manual Peak Response = 314682939 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-20.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 10:51 pm
Operator : pest7:ht
Sample : il41248,42e,,9814
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:33:00 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:31:49 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	1.966	2.128	1320.3E6	907.1E6	250.000	250.000
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-20.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 10:51 pm
Operator : pest7:ht
Sample : il41248,42e,,9814
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:33:00 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:31:49 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	3.347	3.946	366.3E6	249.7E6	94.275	94.284
36) l7	1248-2	3.620	4.254	448.8E6	315.4E6	98.650	190.319
37) l7	1248-3	3.813	4.494	759.0E6	393.1E6	190.969M1	202.209
38) l7	1248-4	4.170	4.814	644.3E6	433.1E6	204.238	189.656
39) l7	1248-5	4.195	4.855	566.7E6	495.7E6	207.487	190.923
Sum	1248-1			2785.0E6	1887.1E6	NoCal	NoCal D

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-20.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 10:51 pm
Operator : pest7:ht
Sample : il41248,42e,,9814
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:33:00 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:31:49 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					159.124	173.478
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

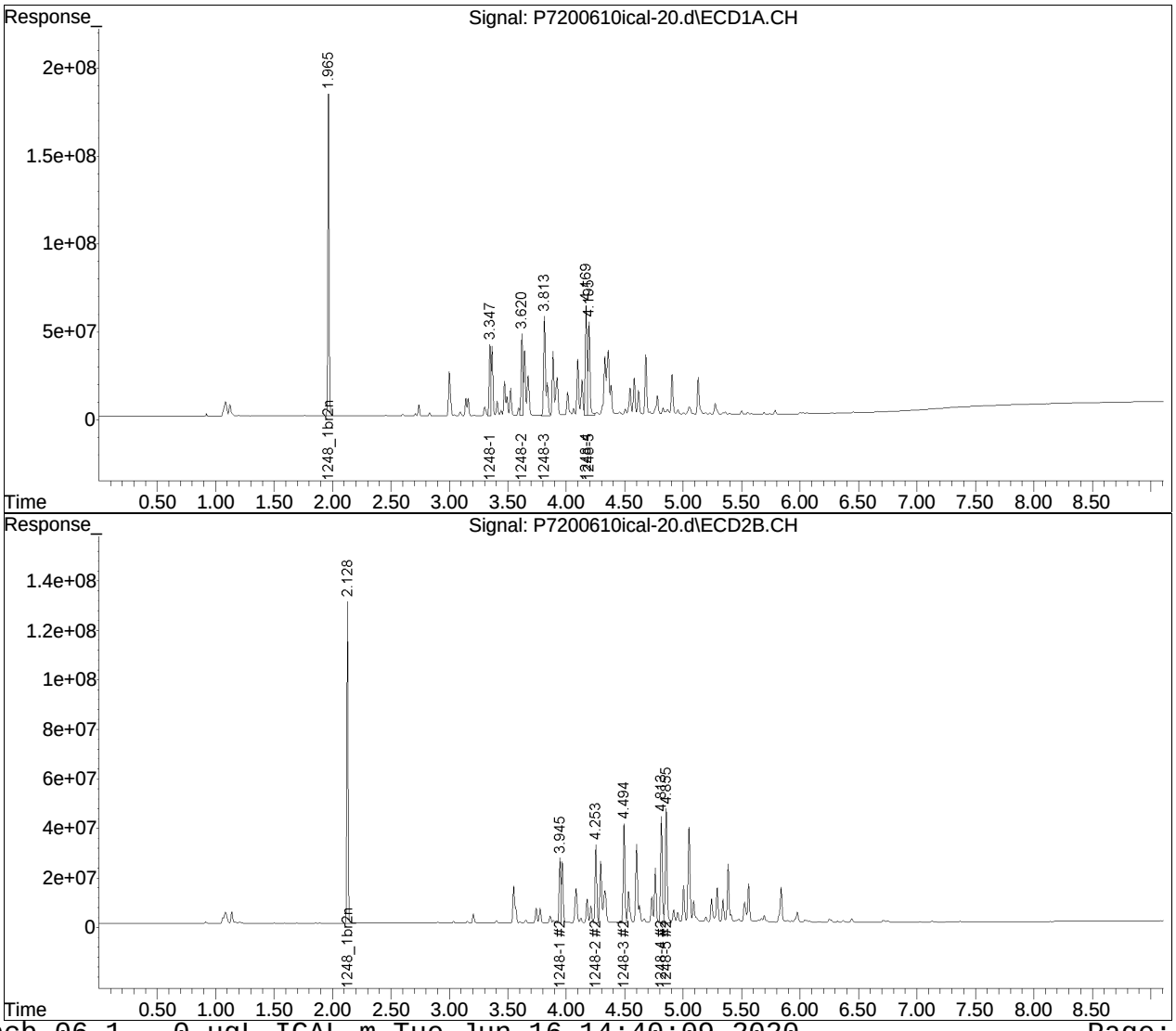
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-20.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 10:51 pm
Operator : pest7:ht
Sample : il41248,42e,,9814
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:33:00 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:31:49 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

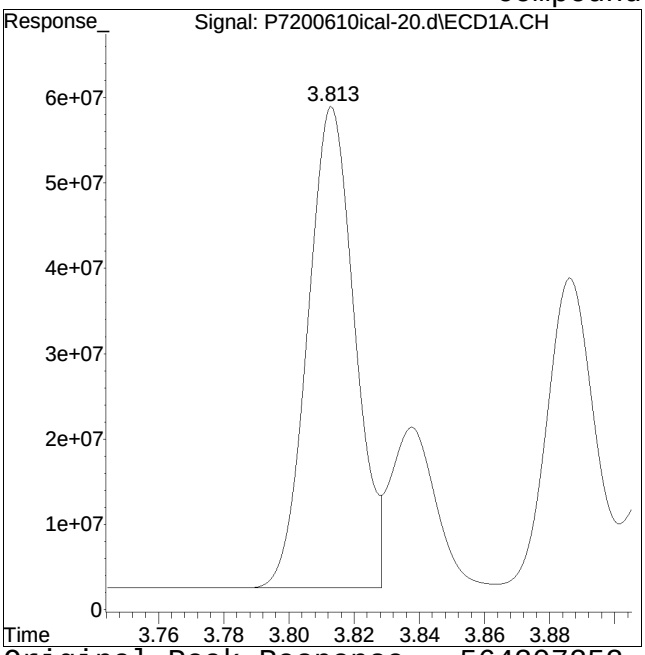


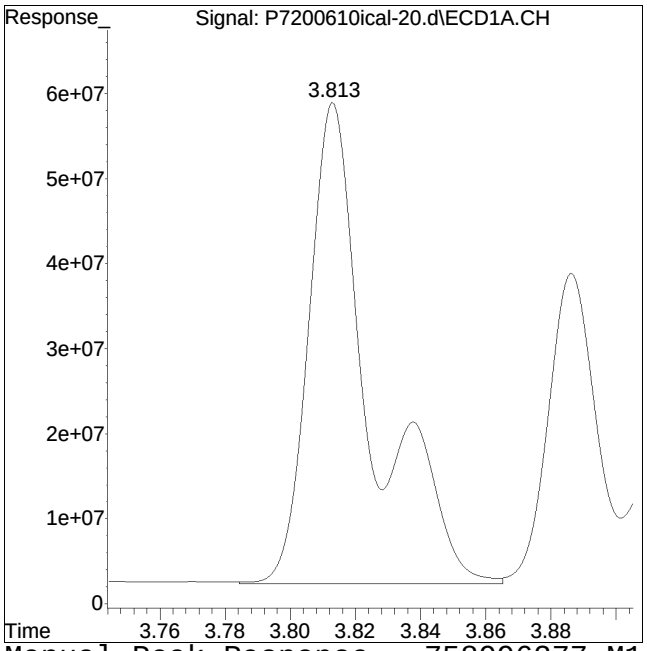
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-20.d
Date Inj'd : 6/10/2020 10:51 pm
Sample : il41248,42e,,9814

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 11:31 pm

Compound #37: 1248-3





Original Peak Response = 564307252 Manual Peak Response = 758996277 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 11:04 pm
Operator : pest7:ht
Sample : il51248,42e,,9814
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:38:52 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:37:56 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	1.966	2.128	1270.8E6	865.2E6	250.000	250.000
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 11:04 pm
Operator : pest7:ht
Sample : il51248,42e,,9814
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:38:52 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:37:56 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
Sum	1221-2			0	0	N.D.	N.D.	
Average	1221-2					0.000	0.000	
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d	
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d	
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d	
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d	
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d	
Sum	1254-1			0	0	N.D.	N.D.	
Average	1254-1					0.000	0.000	
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d	
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d	
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d	
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d	
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d	
Sum	1242-1			0	0	N.D.	N.D.	
Average	1242-1					0.000	0.000	
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d	
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d	
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d	
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d	
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d	
Sum	1268-1			0	0	N.D.	N.D.	
Average	1268-1					0.000	0.000	
35) l7	1248-1	3.347	3.946	669.8E6	463.7E6	4268.788	4466.383	
36) l7	1248-2	3.620	4.253	818.0E6	583.1E6	4156.226	4304.633	
37) l7	1248-3	3.813	4.494	1361.7E6	733.0E6	4182.377M1	4477.927	
38) l7	1248-4	4.170	4.813	1189.8E6	816.6E6	4450.068	4618.727	
39) l7	1248-5	4.195	4.855	1038.4E6	929.9E6	4414.950	4514.957	
Sum	1248-1			5077.7E6	3526.2E6	NoCal	NoCal	D

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 11:04 pm
Operator : pest7:ht
Sample : il51248,42e,,9814
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:38:52 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:37:56 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					4294.482	4476.525
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

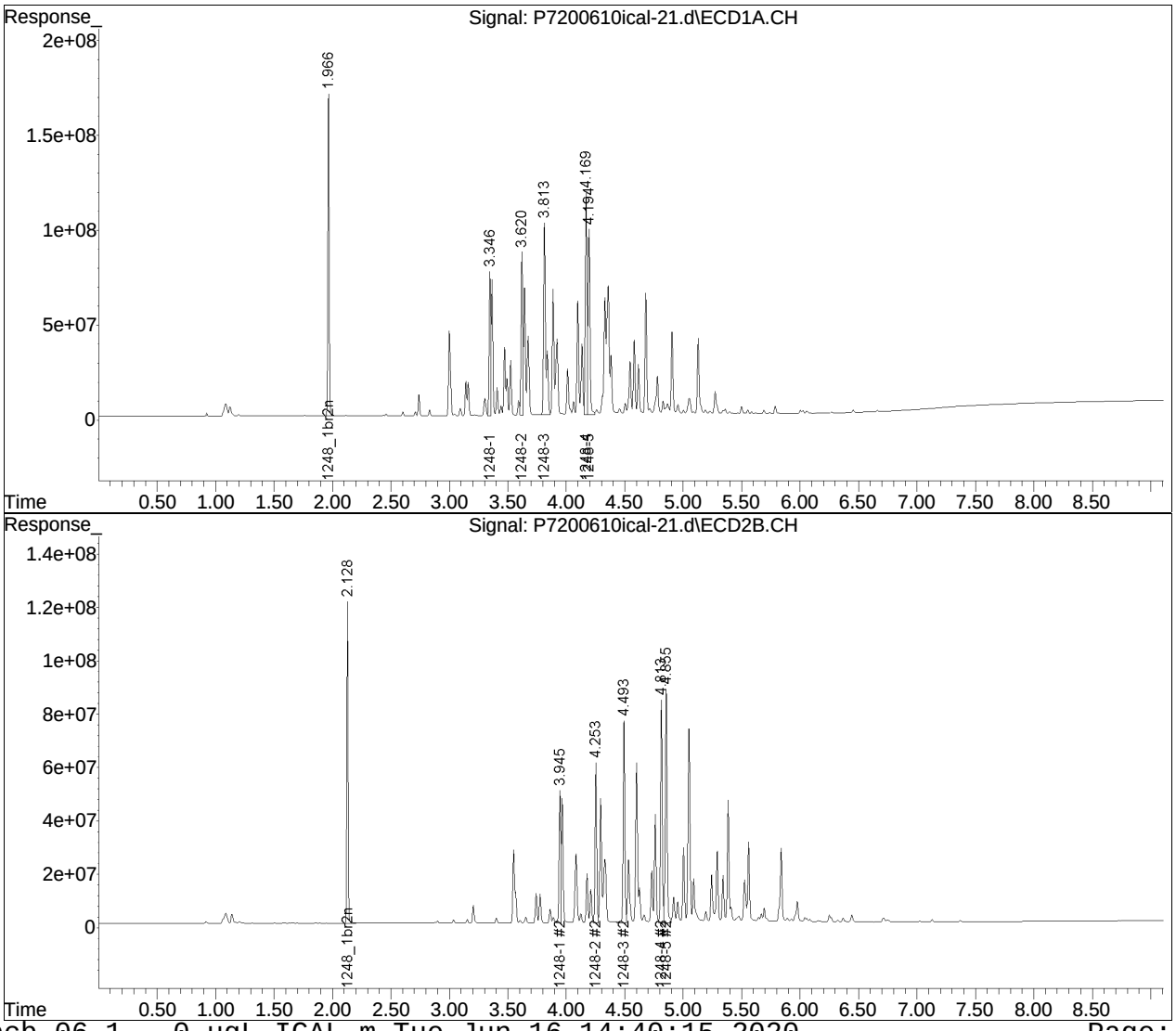
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 11:04 pm
Operator : pest7:ht
Sample : il51248,42e,,9814
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:38:52 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:37:56 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

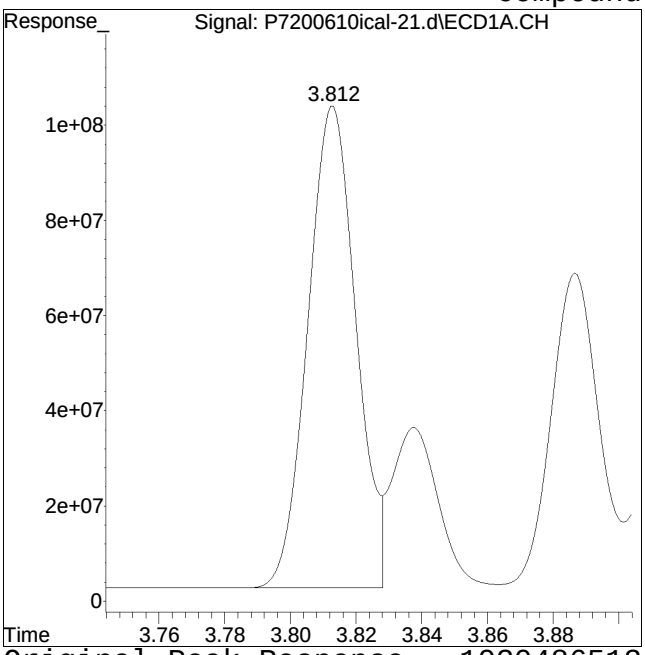


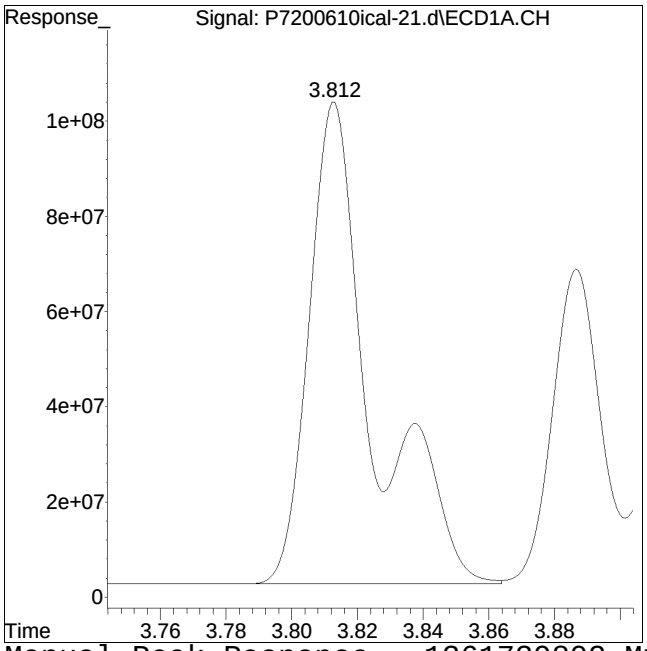
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-21.d
Date Inj'd : 6/10/2020 11:04 pm
Sample : il51248,42e,,9814

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 11:38 pm

Compound #37: 1248-3





Original Peak Response = 1030486513 Manual Peak Response = 1361739802 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-22.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 11:16 pm
Operator : pest7:ht
Sample : il61248,42e,,9814
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:40:05 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:39:01 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	1.966	2.128	1257.9E6	857.5E6	250.000	250.000
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	500.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	500.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-22.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 11:16 pm
Operator : pest7:ht
Sample : il61248,42e,,9814
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:40:05 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:39:01 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	3.346	3.946	1232.6E6	881.2E6	8174.612	8751.065
36) l7	1248-2	3.620	4.254	1498.8E6	1090.3E6	7961.642	8353.374
37) l7	1248-3	3.813	4.494	2472.0E6	1366.1E6	7929.187M1	8599.721
38) l7	1248-4	4.170	4.814	2209.3E6	1549.1E6	8535.614	8976.613
39) l7	1248-5	4.195	4.855	1906.7E6	1752.2E6	8385.775	8752.497
Sum	1248-1			9319.4E6	6638.9E6	NoCal	NoCal D

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-22.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 11:16 pm
Operator : pest7:ht
Sample : il61248,42e,,9814
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:40:05 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:39:01 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					8197.366	8686.654
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

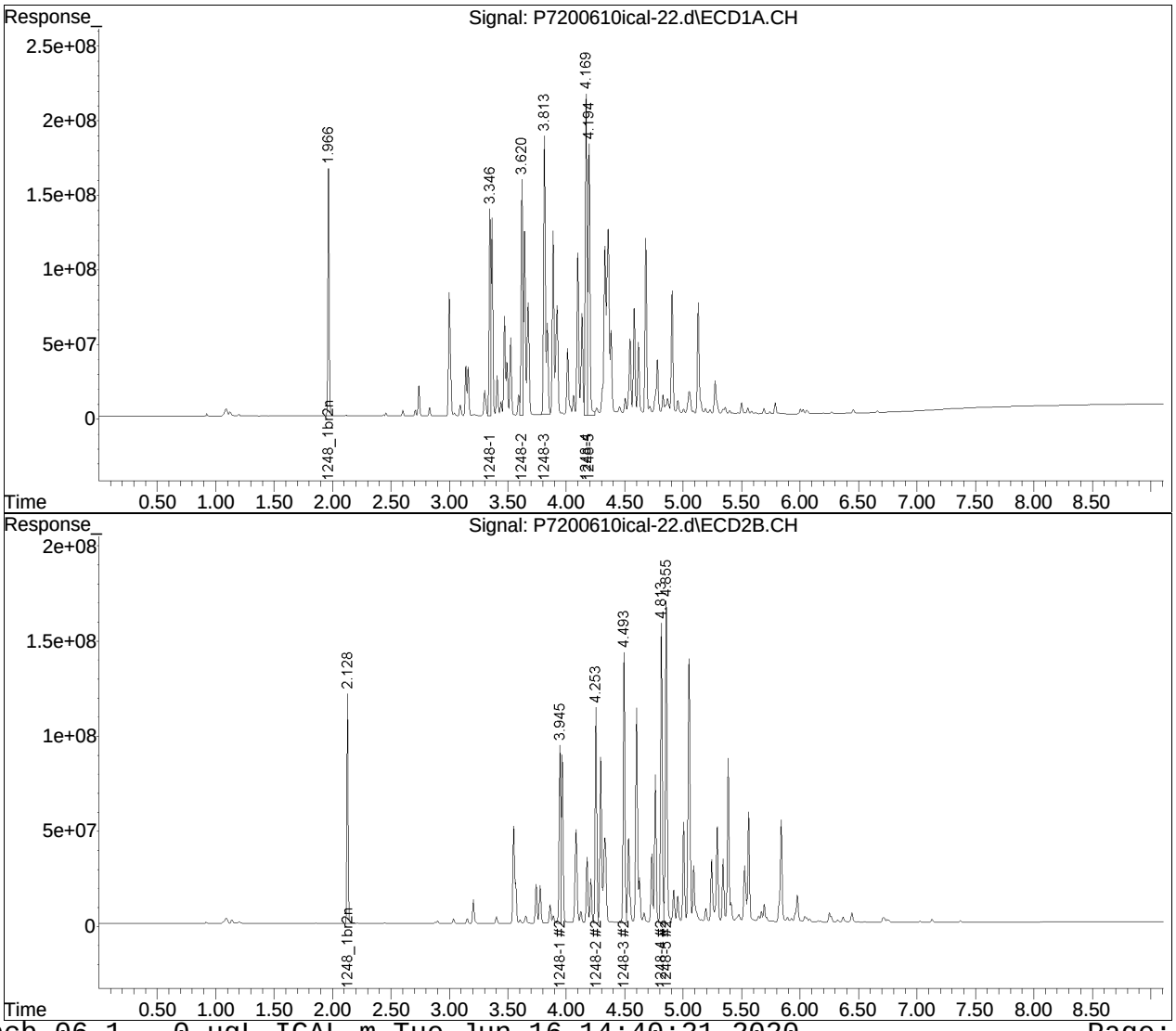
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-22.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 11:16 pm
Operator : pest7:ht
Sample : il61248,42e,,9814
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:40:05 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:39:01 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

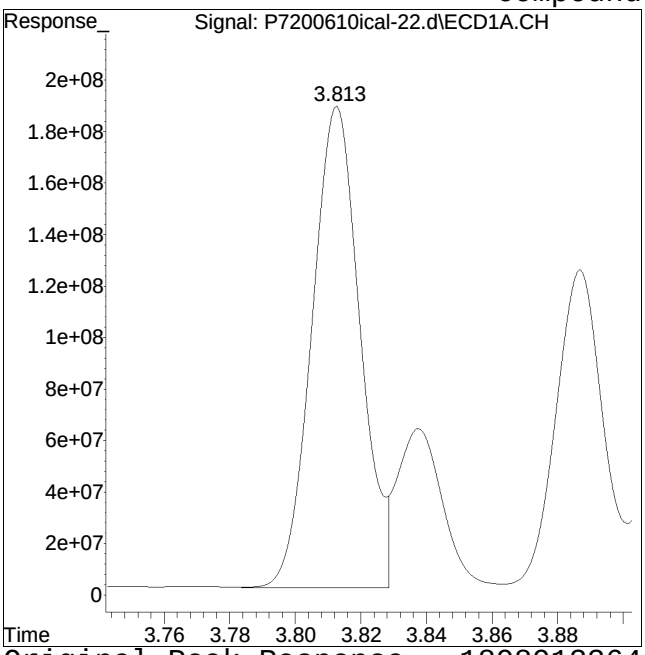


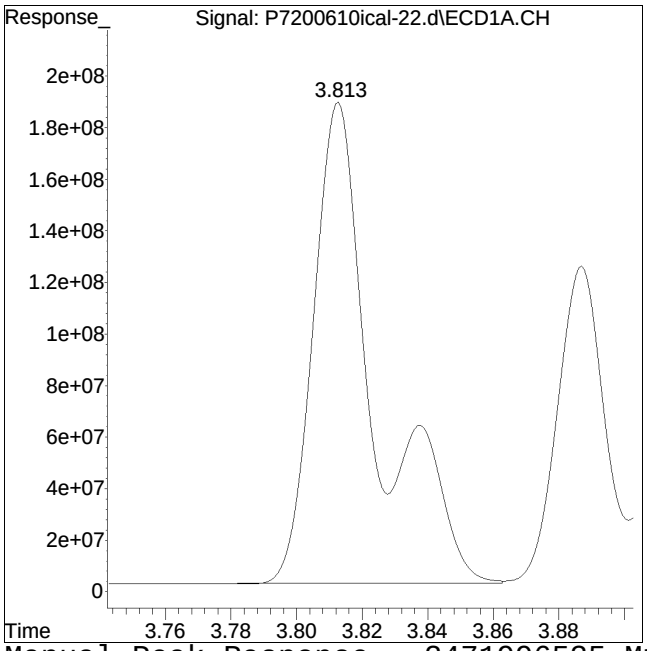
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-22.d
Date Inj'd : 6/10/2020 11:16 pm
Sample : il61248,42e,,9814

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 11:39 pm

Compound #37: 1248-3





Original Peak Response = 1898913364 Manual Peak Response = 2471996535 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-24.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 11:42 pm
Operator : pest7:ht
Sample : il22154,42e,,9811
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:29:16 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:28:11 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	1.966	2.129	1225.3E6	833.3E6	250.000	250.000
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-2	2.602	3.037	38469826	26390502	593.834	597.894
16) l3	1221-3	2.708	3.153	24899306	17440278	605.936	614.904
17) l3	1221-4	2.739	3.205	86282377	60875777	593.426	593.393

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-24.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 11:42 pm
Operator : pest7:ht
Sample : il22154,42e,,9811
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:29:16 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:28:11 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Sum 1221-2			149.7E6	104.7E6	1793.195	1806.191
Average	1221-2					597.732	602.064
18) l4	1254-1	4.134	4.852	119.0E6	90950237	587.995	575.233
19) l4	1254-2	4.350	5.003	203.7E6	101.8E6	577.238	567.711
20) l4	1254-3	4.680	5.385	195.4E6	142.2E6	567.868	550.641
21) l4	1254-4	4.905	5.560	148.8E6	104.3E6	557.283	556.747
22) l4	1254-5	5.273	5.976	219.8E6	152.4E6	570.103	555.541
	Sum 1254-1			886.8E6	591.7E6	NoCal	NoCal D
Average	1254-1					572.098	561.175
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-24.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 11:42 pm
Operator : pest7:ht
Sample : il22154,42e,,9811
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:29:16 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:28:11 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

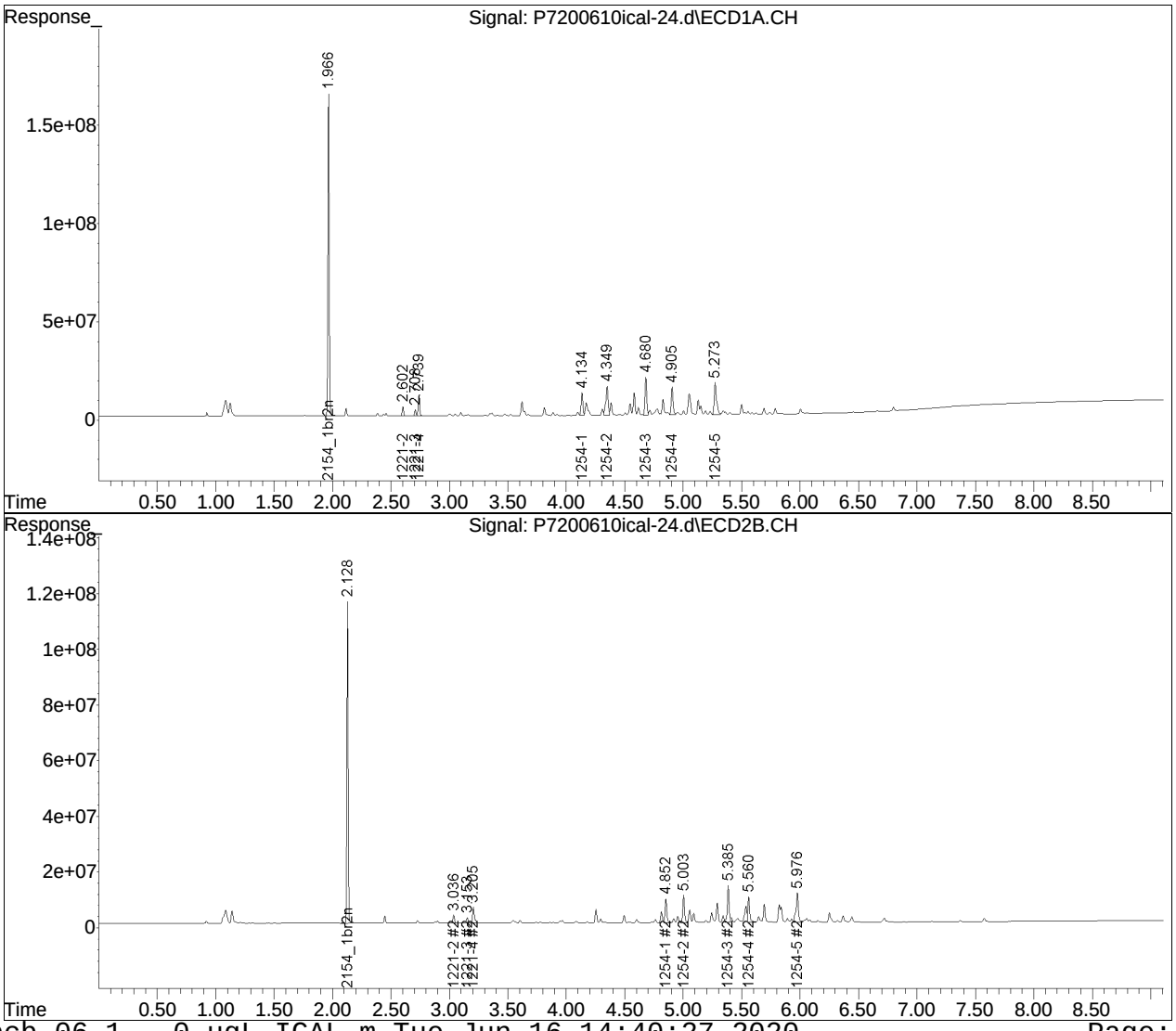
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-24.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 11:42 pm
Operator : pest7:ht
Sample : il22154,42e,,9811
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:29:16 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:28:11 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest7\200610ical\	QMethod	: P7_pcb_06_10_20_ugL_ICAL
Data File	: P7200610ical-24.d	Operator	: pest7:ht
Date Inj'd	: 6/10/2020 11:42 pm	Instrument	: Pest 7
Sample	: il22154,42e,,9811	Quant Date	: 6/11/2020 11:28 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-25.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 11:55 pm
Operator : pest7:ht
Sample : il32154,42e,,9811
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:28:05 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:27:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	1.966	2.129	1226.8E6	838.5E6	250.000	250.000
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-2	2.602	3.037	71301975	48758949	1136.878	1134.804
16) l3	1221-3	2.708	3.153	45636371	32062086	1151.082	1171.615
17) l3	1221-4	2.739	3.205	159.6E6	112.5E6	1132.368	1122.831

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-25.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 11:55 pm
Operator : pest7:ht
Sample : il32154,42e,,9811
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:28:05 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:27:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-2			276.5E6	193.3E6	3420.328	3429.250
Average	1221-2					1140.109	1143.083
18) l4	1254-1	4.135	4.852	220.6E6	169.3E6	1121.354	1087.743
19) l4	1254-2	4.349	5.004	380.6E6	190.1E6	1105.621	1072.353
20) l4	1254-3	4.681	5.385	367.9E6	269.4E6	1092.491	1048.941
21) l4	1254-4	4.905	5.560	281.1E6	197.9E6	1069.461	1066.777
22) l4	1254-5	5.274	5.976	410.0E6	287.4E6	1084.449	1055.770
Sum	1254-1			1660.1E6	1114.0E6	NoCal	NoCal D
Average	1254-1					1094.675	1066.317
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-25.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 11:55 pm
Operator : pest7:ht
Sample : il32154,42e,,9811
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:28:05 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:27:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

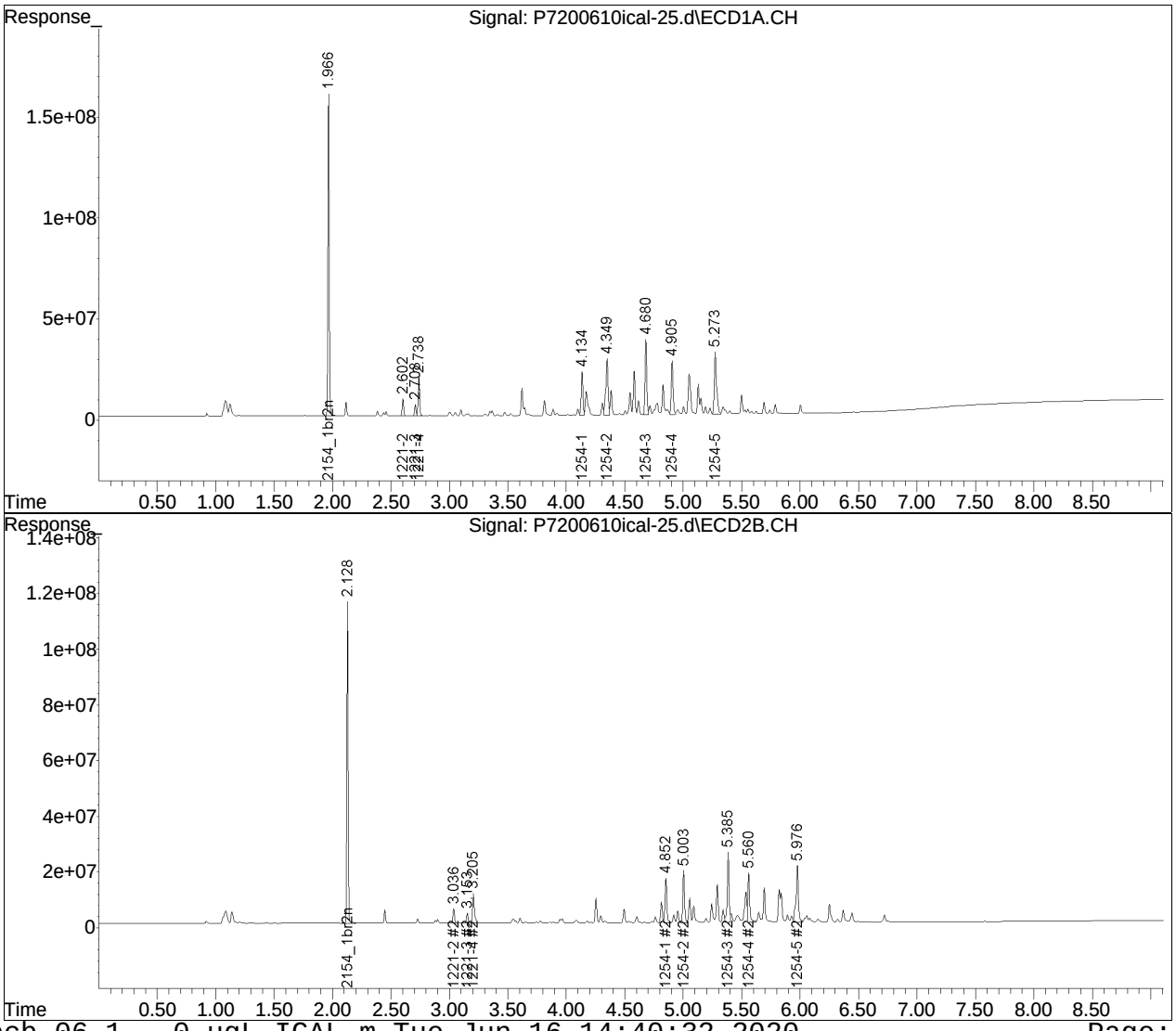
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-25.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 11:55 pm
Operator : pest7:ht
Sample : il32154,42e,,9811
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:28:05 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:27:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest7\200610ical\	QMethod	: P7_pcb_06_10_20_ugL_ICAL
Data File	: P7200610ical-25.d	Operator	: pest7:ht
Date Inj'd	: 6/10/2020 11:55 pm	Instrument	: Pest 7
Sample	: il32154,42e,,9811	Quant Date	: 6/11/2020 11:27 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-26.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 12:08 am
Operator : pest7:ht
Sample : il42154,42e,,9811
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:06:47 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:05:55 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	1.965	2.128	1296.6E6	896.3E6	250.000	250.000
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount	500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount	500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1016-1			0	0	N.D.	N.D.
Average	1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1260-1			0	0	N.D.	N.D.
Average	1260-1					0.000	0.000
15) l3	1221-2	2.601	3.036	176.4E6	120.3E6	NoCal	NoCal
16) l3	1221-3	2.708	3.152	112.0E6	77687272	NoCal	NoCal
17) l3	1221-4	2.738	3.205	395.3E6	279.4E6	NoCal	NoCal

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-26.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 12:08 am
Operator : pest7:ht
Sample : il42154,42e,,9811
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:06:47 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:05:55 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	4.134	4.851	549.6E6	429.5E6	NoCal	NoCal
19) l4	1254-2	4.349	5.003	958.4E6	485.0E6	NoCal	NoCal
20) l4	1254-3	4.680	5.385	934.0E6	700.0E6	NoCal	NoCal
21) l4	1254-4	4.905	5.560	721.5E6	506.3E6	NoCal	NoCal
22) l4	1254-5	5.273	5.976	1041.0E6	741.5E6	NoCal	NoCal
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-26.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 12:08 am
Operator : pest7:ht
Sample : il42154,42e,,9811
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:06:47 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:05:55 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

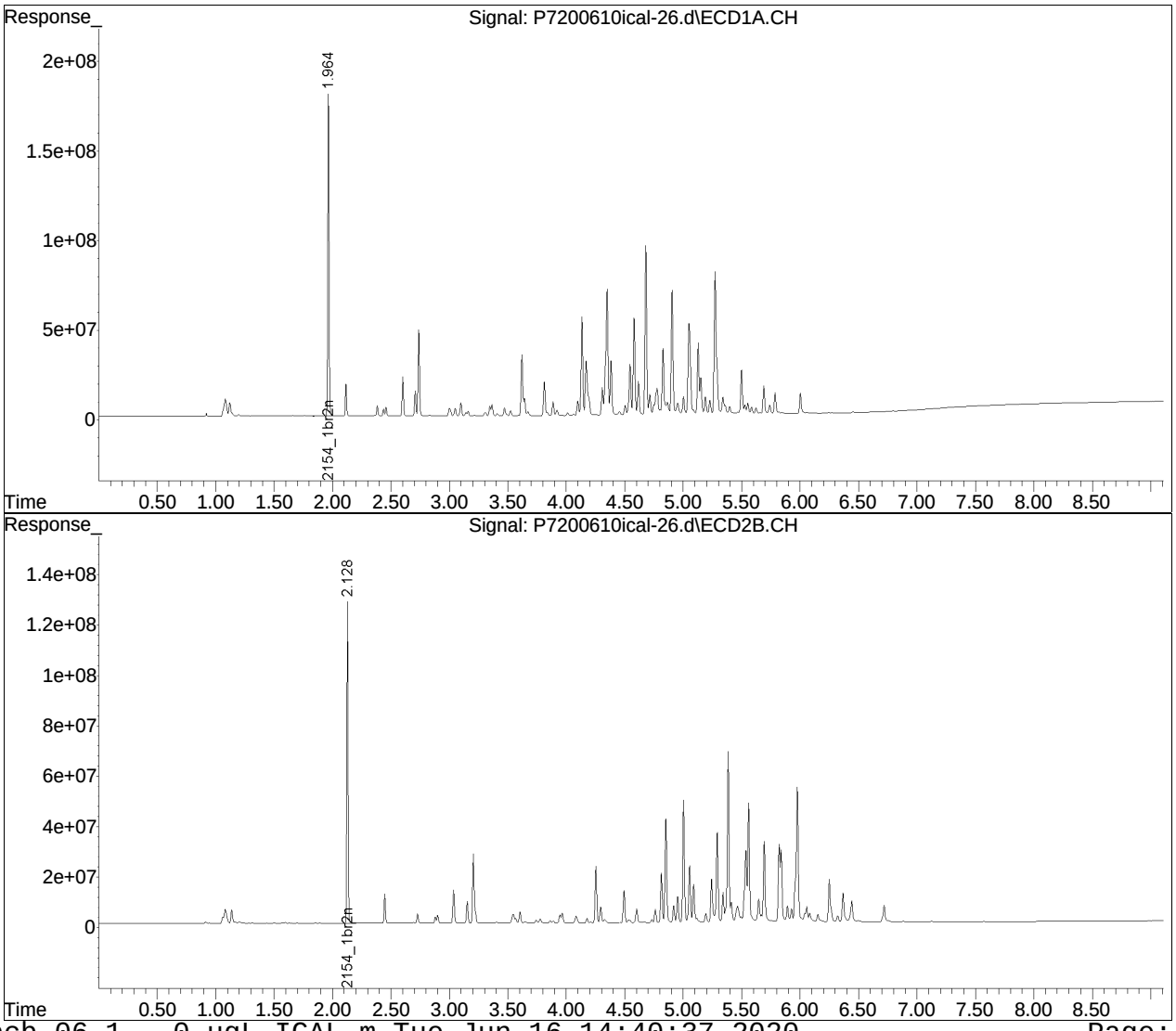
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-26.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 12:08 am
Operator : pest7:ht
Sample : il42154,42e,,9811
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:06:47 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:05:55 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest7\200610ical\	QMethod	: P7_pcb_06_10_20_ugL_ICAL
Data File	: P7200610ical-26.d	Operator	: pest7:ht
Date Inj'd	: 6/11/2020 12:08 am	Instrument	: Pest 7
Sample	: il42154,42e,,9811	Quant Date	: 6/11/2020 11:06 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-27.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 12:20 am
Operator : pest7:ht
Sample : il52154,42e,,9811
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:25:41 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:12:41 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	1.966	2.128	1238.2E6	851.4E6	250.000	250.000
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-2	2.601	3.036	318.7E6	219.9E6	4729.399	4811.014
16) l3	1221-3	2.708	3.153	201.1E6	139.8E6	4698.762	4737.332
17) l3	1221-4	2.739	3.205	717.5E6	513.2E6	4752.228	4833.617

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-27.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 12:20 am
Operator : pest7:ht
Sample : il52154,42e,,9811
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:25:41 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:12:41 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-2			1237.4E6	872.9E6	14180.389	14381.963
Average	1221-2					4726.796	4793.988
18) l4	1254-1	4.134	4.852	1001.2E6	797.2E6	4768.704	4885.258
19) l4	1254-2	4.349	5.003	1751.6E6	911.5E6	4784.308	4946.055
20) l4	1254-3	4.680	5.385	1714.9E6	1314.5E6	4806.631	4942.619M3
21) l4	1254-4	4.905	5.560	1342.0E6	954.5E6	4868.929	4962.028
22) l4	1254-5	5.273	5.976	1931.1E6	1396.7E6	4856.078	4957.654
Sum	1254-1			7740.8E6	5374.4E6	NoCal	NoCal D
Average	1254-1					4816.930	4938.723
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-27.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 12:20 am
Operator : pest7:ht
Sample : il52154,42e,,9811
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:25:41 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:12:41 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

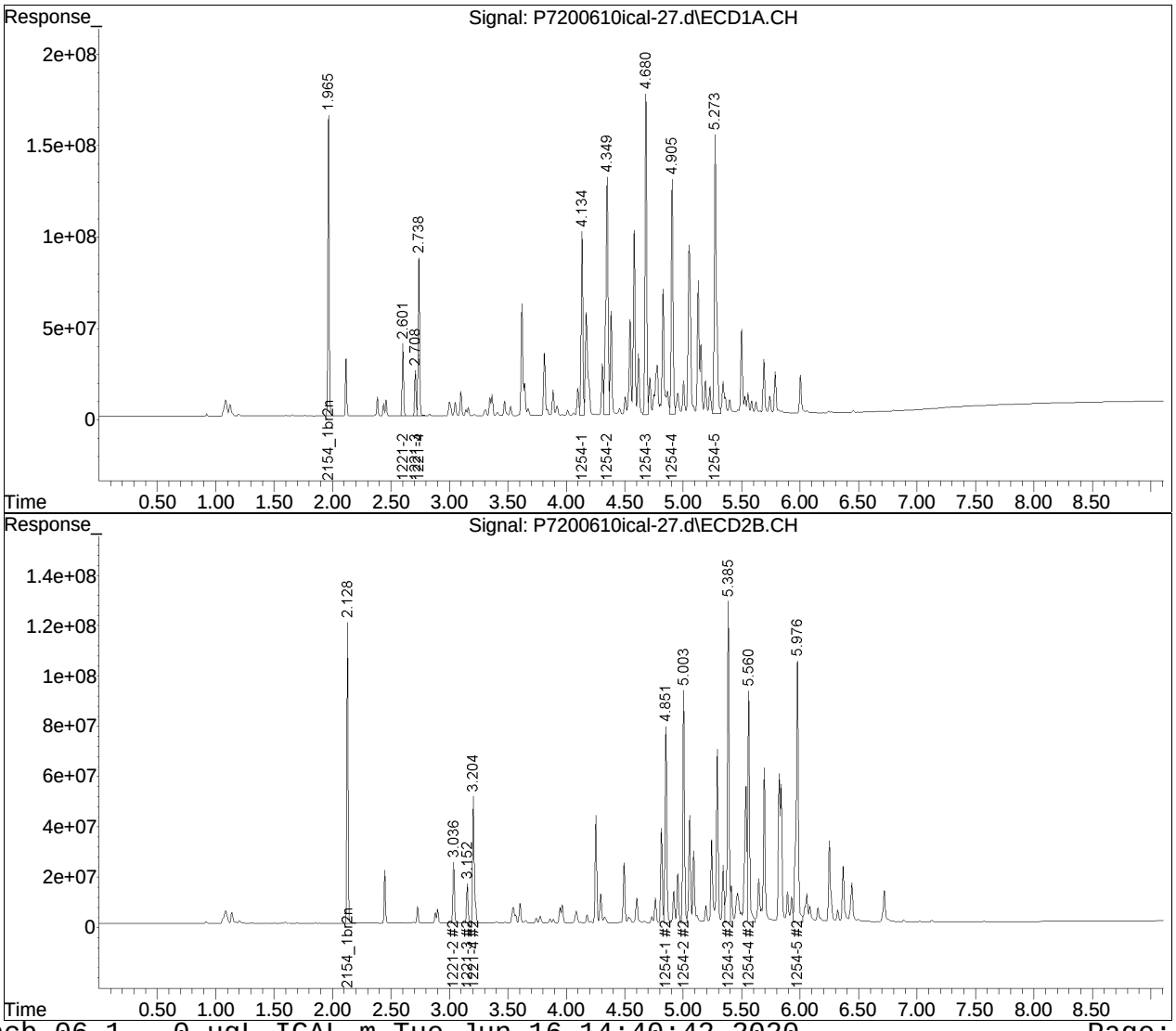
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-27.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 12:20 am
Operator : pest7:ht
Sample : il52154,42e,,9811
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:25:41 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:12:41 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

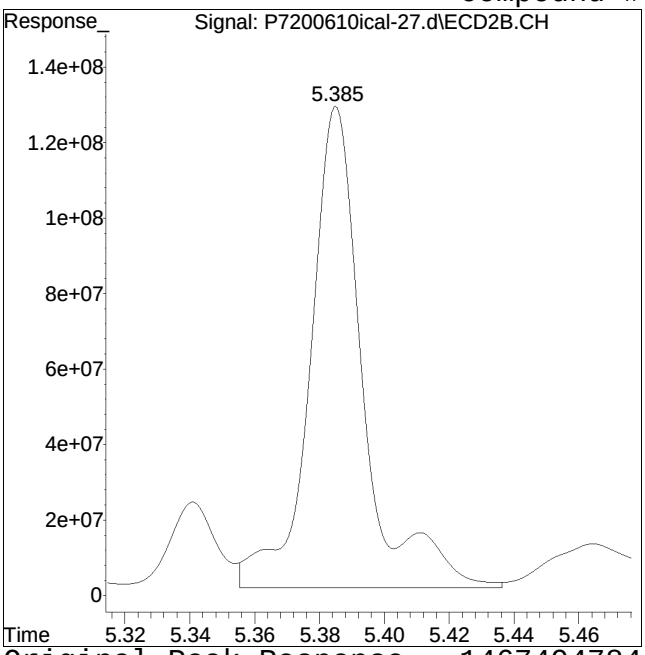


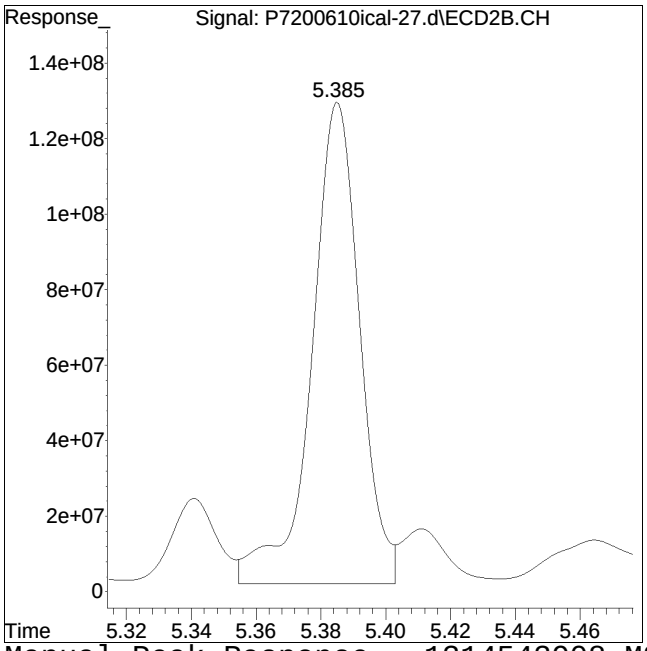
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-27.d
Date Inj'd : 6/11/2020 12:20 am
Sample : il52154,42e,,9811

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 11:24 pm

Compound #71: 1254-3 #2





Original Peak Response = 1467494784 Manual Peak Response = 1314543908 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-28.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 12:33 am
Operator : pest7:ht
Sample : il62154,42e,,9811
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:26:46 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:25:49 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	1.965	2.128	1303.4E6	899.6E6	250.000	250.000
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount	500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount	500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1016-1			0	0	N.D.	N.D.
Average	1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1260-1			0	0	N.D.	N.D.
Average	1260-1					0.000	0.000
15) l3	1221-2	2.601	3.036	618.5E6	435.2E6	8961.842	9183.659
16) l3	1221-3	2.708	3.152	389.8E6	273.4E6	8920.579	9002.360
17) l3	1221-4	2.738	3.205	1391.3E6	1017.2E6	8976.351	9221.371

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-28.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 12:33 am
Operator : pest7:ht
Sample : il62154,42e,,9811
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:26:46 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:25:49 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
Sum	1221-2			2399.6E6	1725.8E6	26858.771	27407.390	
Average	1221-2					8952.924	9135.797	
18) l4	1254-1	4.134	4.852	1952.0E6	1602.0E6	9042.023	9399.738	
19) l4	1254-2	4.349	5.003	3429.3E6	1831.2E6	9094.726	9455.628	
20) l4	1254-3	4.680	5.385	3367.3E6	2676.6E6	9142.981	9580.037	
21) l4	1254-4	4.905	5.560	2649.5E6	1919.9E6	9253.361	9482.701	
22) l4	1254-5	5.273	5.976	3799.4E6	2831.9E6	9208.784	9553.814	
Sum	1254-1			15197.4E6	10861.6E6	NoCal	NoCal	D
Average	1254-1					9148.375	9494.384	
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d	
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d	
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d	
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d	
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d	
Sum	1242-1			0	0	N.D.	N.D.	
Average	1242-1					0.000	0.000	
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d	
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d	
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d	
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d	
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d	
Sum	1268-1			0	0	N.D.	N.D.	
Average	1268-1					0.000	0.000	
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d	
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d	
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d	
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d	
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d	
Sum	1248-1			0	0	N.D.	N.D.	

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-28.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 12:33 am
Operator : pest7:ht
Sample : il62154,42e,,9811
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:26:46 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:25:49 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

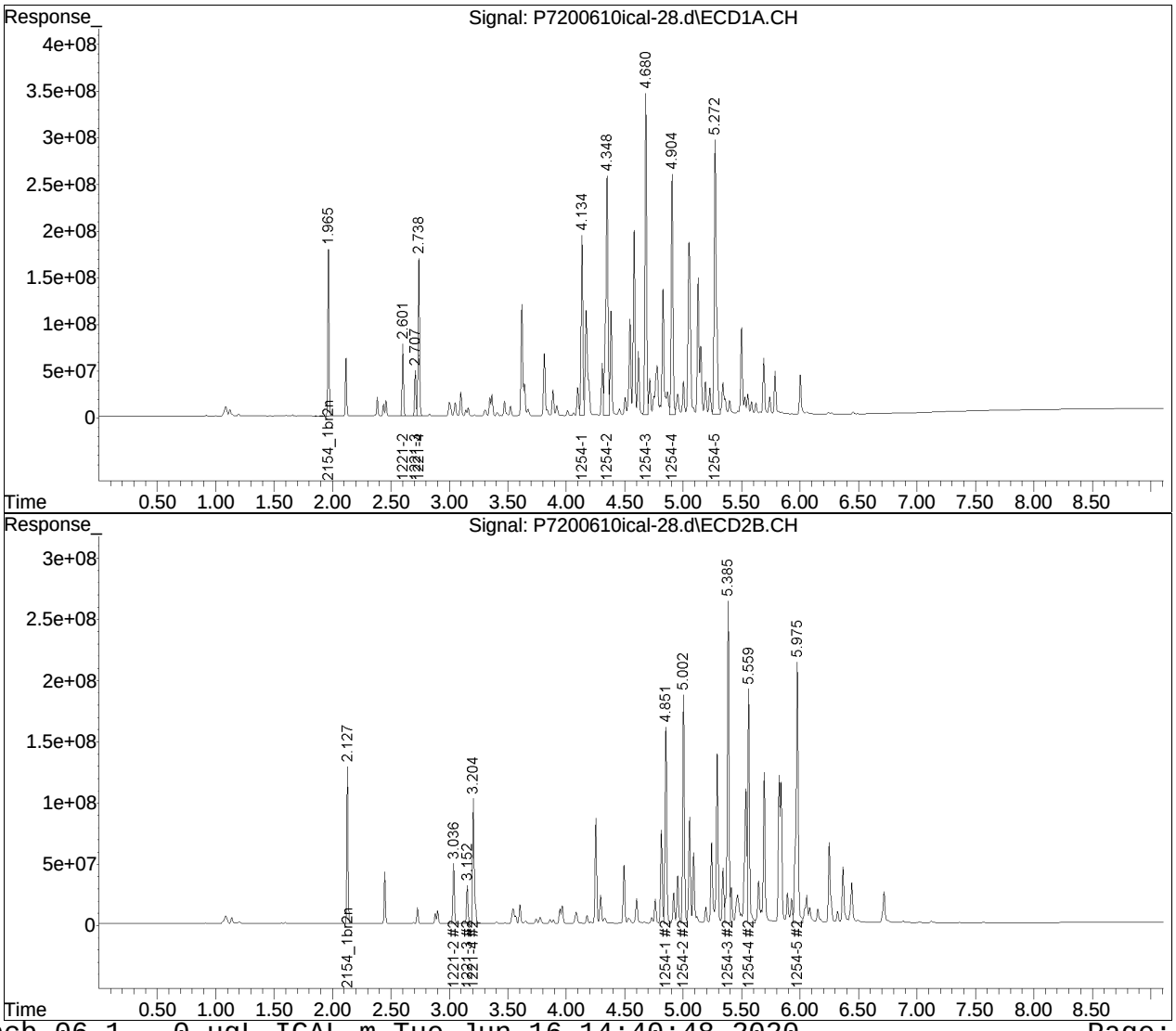
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-28.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 12:33 am
Operator : pest7:ht
Sample : il62154,42e,,9811
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:26:46 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:25:49 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest7\200610ical\	QMethod	: P7_pcb_06_10_20_ugL_ICAL
Data File	: P7200610ical-28.d	Operator	: pest7:ht
Date Inj'd	: 6/11/2020 12:33 am	Instrument	: Pest 7
Sample	: il62154,42e,,9811	Quant Date	: 6/11/2020 11:25 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-29.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 12:46 am
Operator : pest7:ht
Sample : il11660,42e,,9810
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:02:33 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:00:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.965	2.128	1268.7E6	871.4E6	250.000	250.000
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	2.484	2.813	51580320	34513433	8.211	7.514
	Spiked Amount 500.000	Range 30 - 150		Recovery =		1.64%#	1.50%#
3) s	Decachlorobi	6.795	7.568	95961408	66636911	17.308	16.028
	Spiked Amount 500.000	Range 30 - 150		Recovery =		3.46%#	3.21%#
	Target Compounds						
4) l1	1016-1	2.738	3.205	16216023	11590067	137.118	139.775
5) l1	1016-2	2.998	3.550	35850664	25704437	139.094	138.939
6) l1	1016-3	3.364	3.964	70387548	47640309	131.909M1	127.795M1
7) l1	1016-4	3.471	4.084	29560239	18762036	133.319M1	129.677
8) l1	1016-5	3.811	4.493	33176439	15811240	137.379M1	130.595
	Sum 1016-1			185.2E6	119.5E6	678.820	666.781
	Average 1016-1					135.764	133.356
9) l2	1260-1	4.827	5.537	46047272	32624587	133.591	129.615
10) l2	1260-2	5.048	5.693	67207891	38857263	130.532	127.268
11) l2	1260-3	5.552	6.266	42479862	31378473	124.532	122.214
12) l2	1260-4	5.786	6.442	86329909	62484024	122.482	116.538
13) l2	1260-5	6.001	6.717	63735786	41500873	123.166M1	116.883M3
	Sum 1260-1			305.8E6	206.8E6	NoCal	NoCal D
	Average 1260-1					126.860	122.503
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-29.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 12:46 am
Operator : pest7:ht
Sample : il11660,42e,,9810
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:02:33 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:00:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-29.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 12:46 am
Operator : pest7:ht
Sample : il11660,42e,,9810
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:02:33 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:00:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

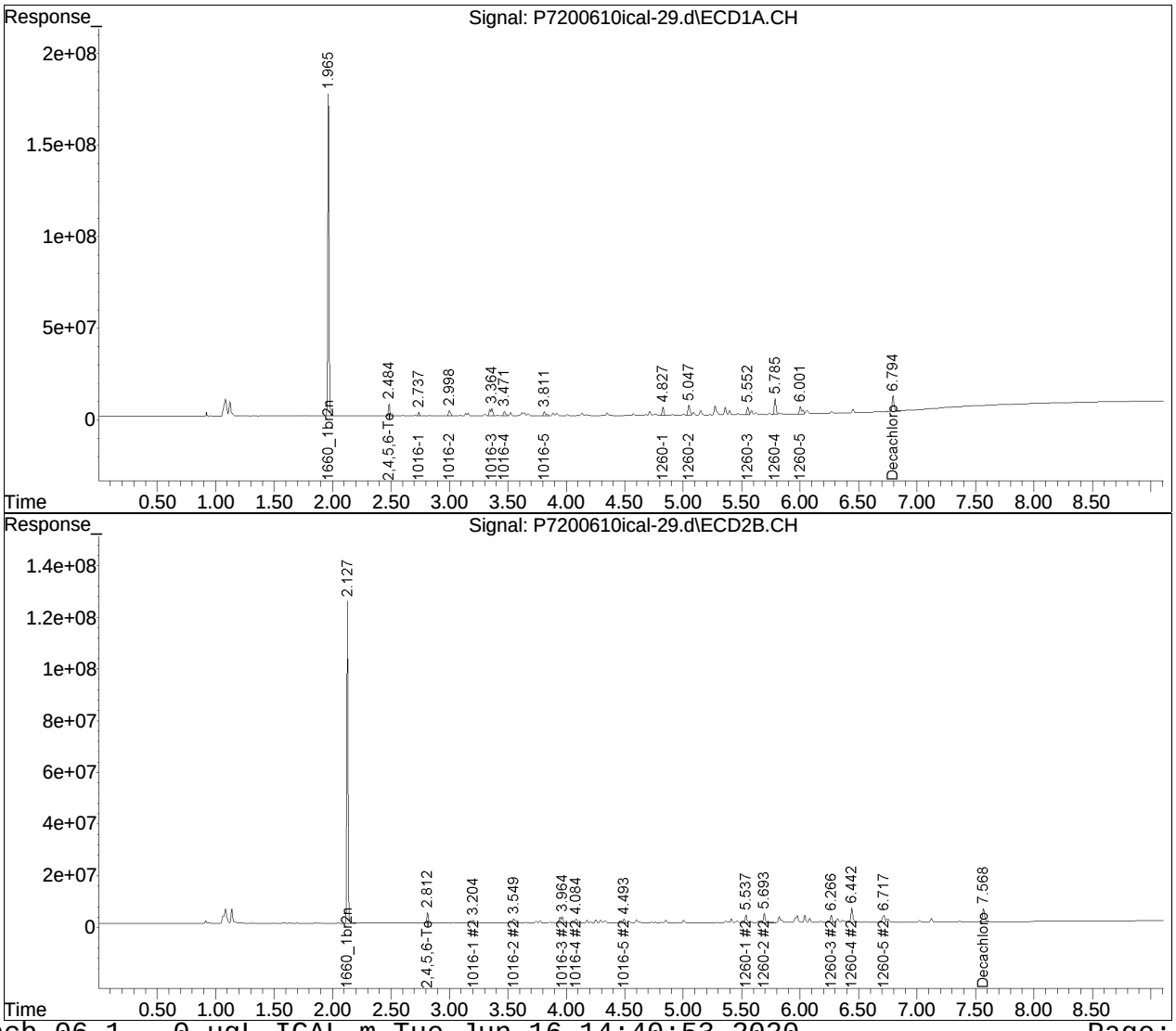
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-29.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 12:46 am
Operator : pest7:ht
Sample : il11660,42e,,9810
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:02:33 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 23:00:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

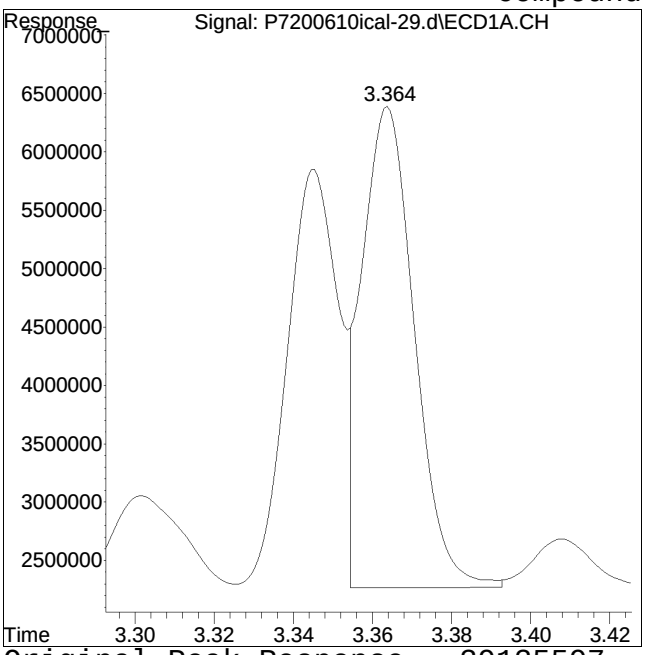


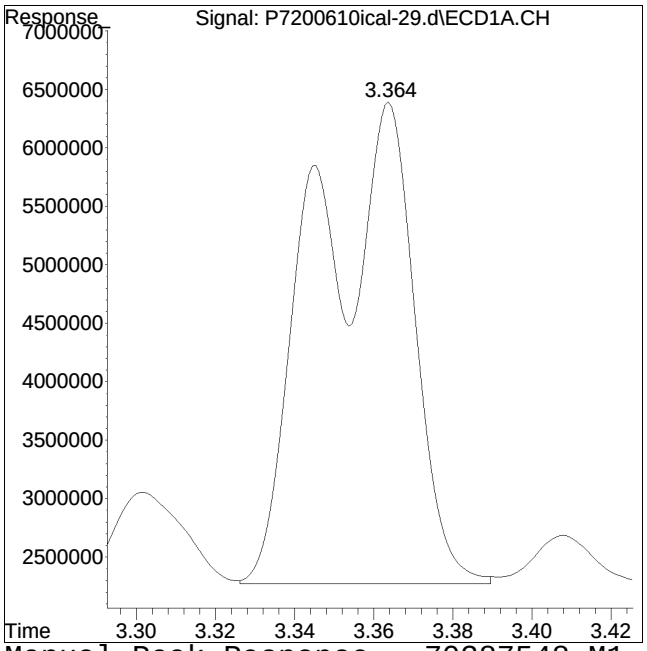
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-29.d
Date Inj'd : 6/11/2020 12:46 am
Sample : il11660,42e,,9810

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 11:01 pm

Compound #6: 1016-3





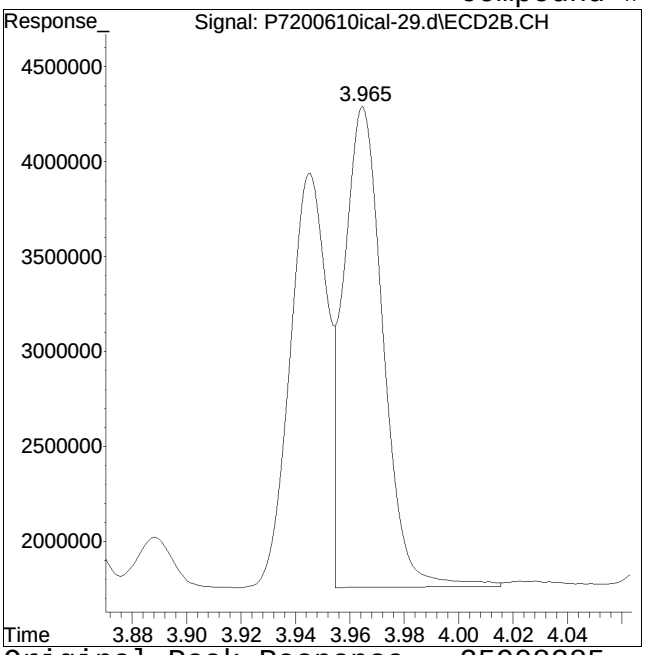
Original Peak Response = 39135597 Manual Peak Response = 70387548 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

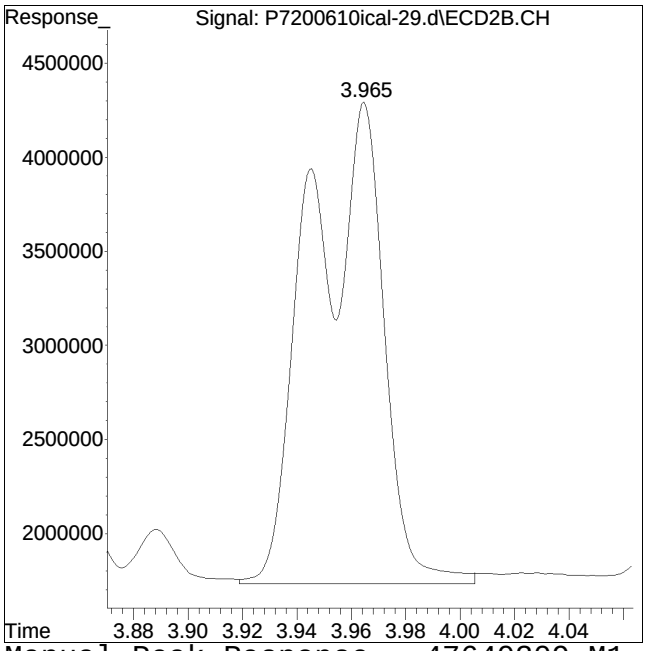
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-29.d
Date Inj'd : 6/11/2020 12:46 am
Sample : il11660,42e,,9810

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 11:01 pm

Compound #57: 1016-3 #2





Original Peak Response = 25908285 Manual Peak Response = 47640309 M1

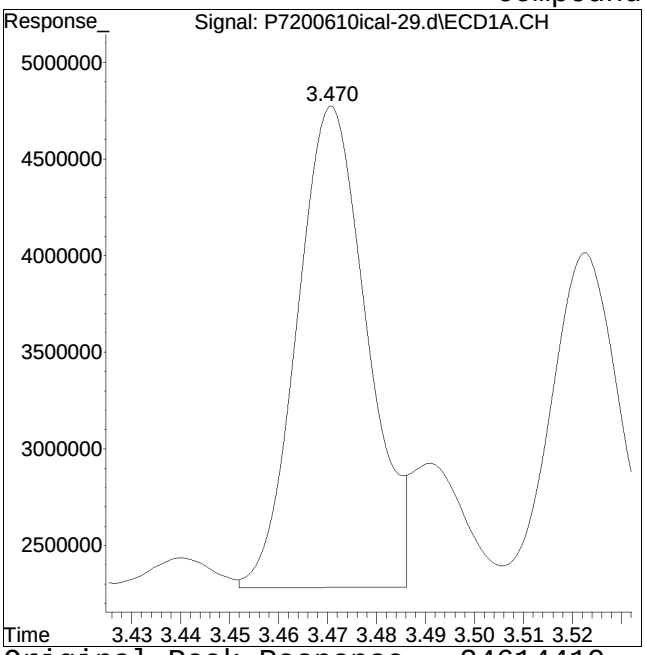
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

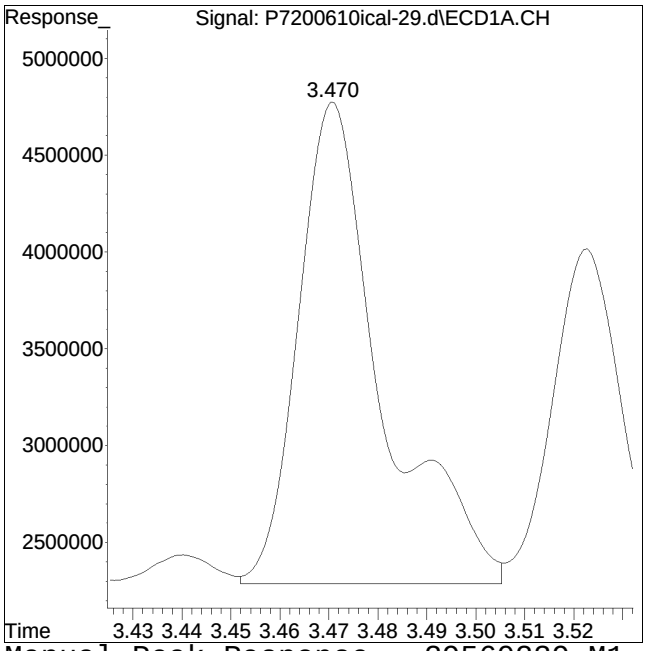
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-29.d
Date Inj'd : 6/11/2020 12:46 am
Sample : il11660,42e,,9810

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 11:01 pm

Compound #7: 1016-4





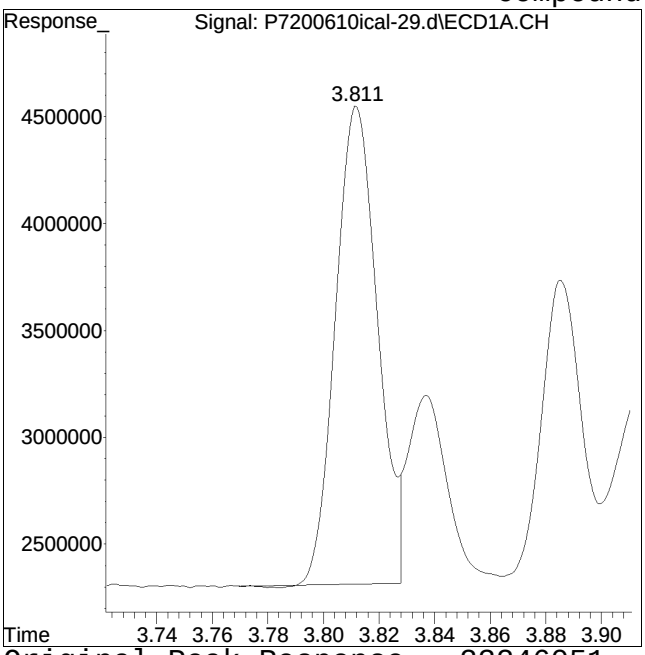
Original Peak Response = 24614410 Manual Peak Response = 29560239 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

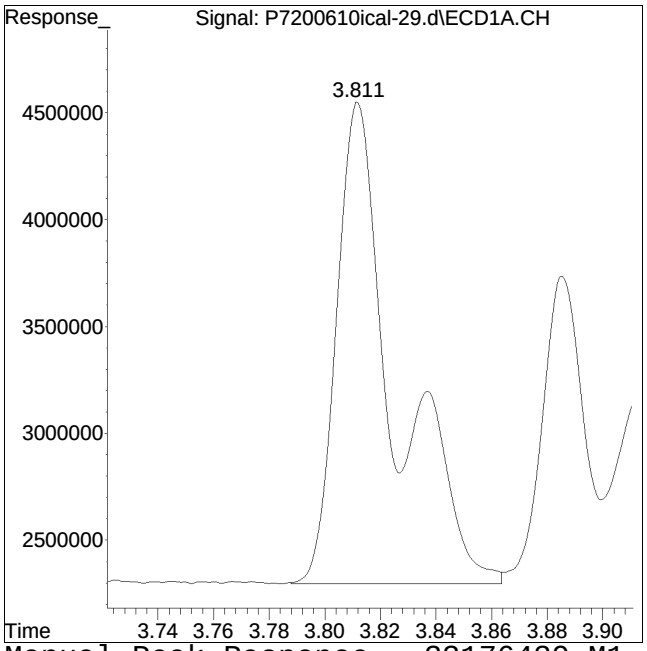
Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-29.d
Date Inj'd : 6/11/2020 12:46 am
Sample : il11660,42e,,9810

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 11:01 pm

Compound #8: 1016-5



Original Peak Response = 23246051



Manual Peak Response = 33176439 M1

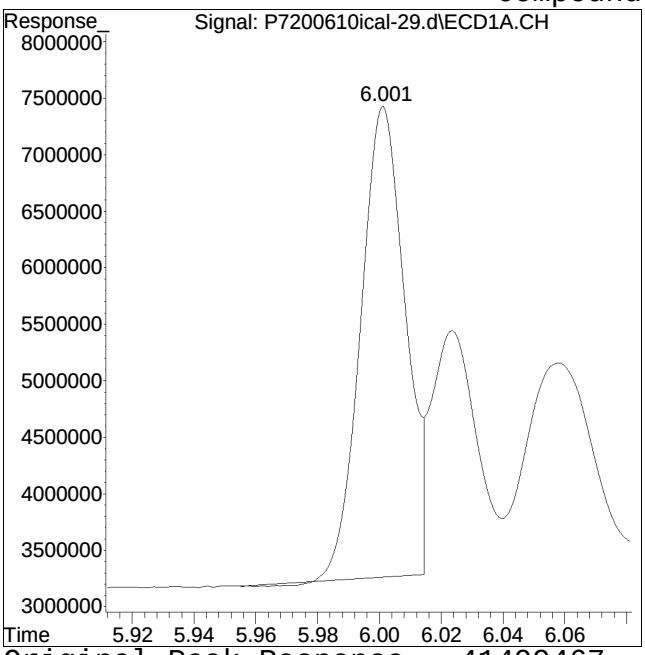
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

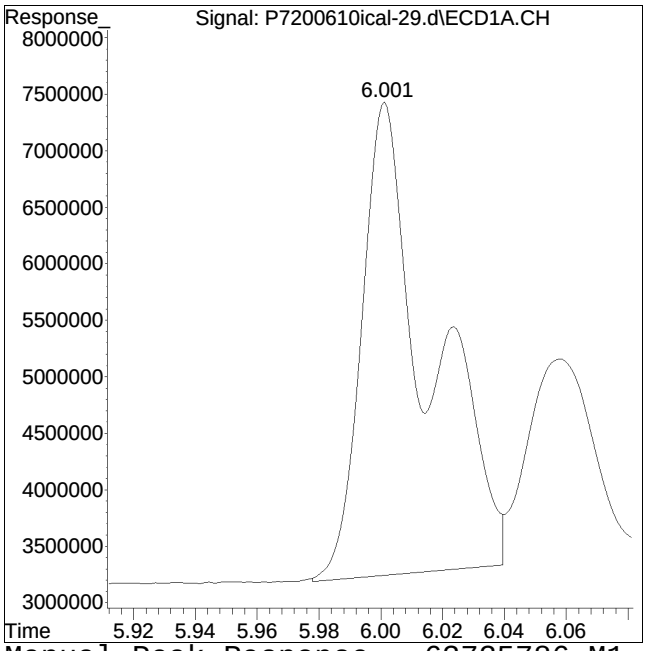
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-29.d
Date Inj'd : 6/11/2020 12:46 am
Sample : il11660,42e,,9810

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 11:01 pm

Compound #13: 1260-5





Original Peak Response = 41499467 Manual Peak Response = 63735786 M1

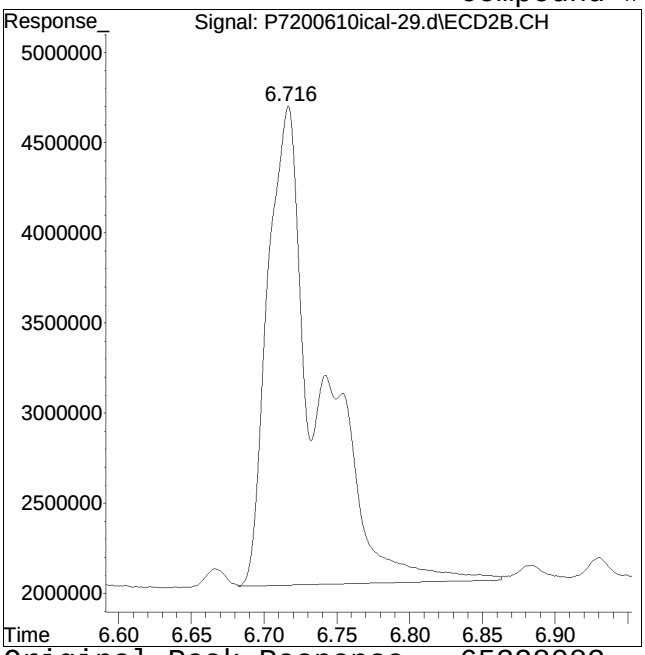
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

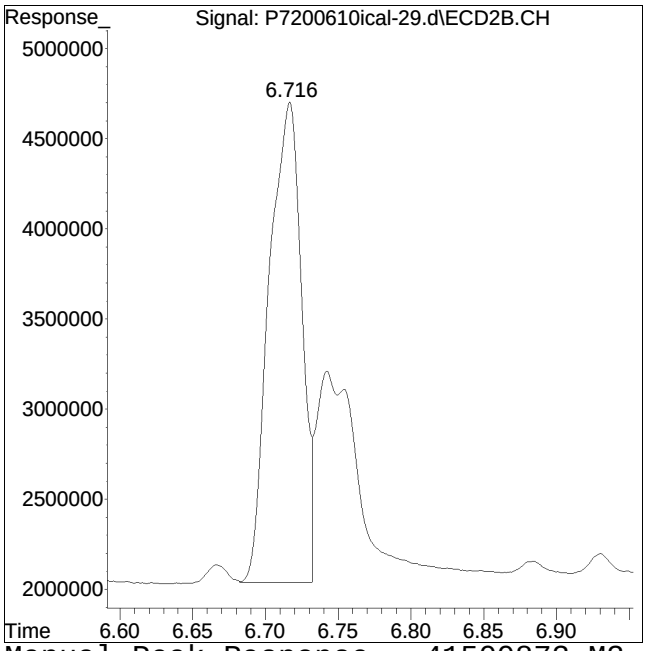
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-29.d
Date Inj'd : 6/11/2020 12:46 am
Sample : il11660,42e,,9810

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 11:01 pm

Compound #64: 1260-5 #2





Original Peak Response = 65328082 Manual Peak Response = 41500873 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-30.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 12:59 am
Operator : pest7:ht
Sample : il21660,42e,,9810
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:00:41 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 22:58:57 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.966	2.128	1233.9E6	844.2E6	250.000	250.000
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	2.485	2.813	209.9E6	146.9E6	35.003	33.274
	Spiked Amount 500.000	Range 30 - 150		Recovery =		7.00%#	6.65%#
3) s	Decachlorobi	6.795	7.568	381.6E6	269.1E6	72.701	67.554
	Spiked Amount 500.000	Range 30 - 150		Recovery =		14.54%#	13.51%#
	Target Compounds						
4) l1	1016-1	2.738	3.205	65571633	45029934	590.826	578.052
5) l1	1016-2	2.999	3.549	142.5E6	98650815	588.541	564.644M1
6) l1	1016-3	3.364	3.964	288.0E6	189.7E6	570.739M1	532.027M1
7) l1	1016-4	3.471	4.084	122.8E6	76127618	589.902M1	555.088
8) l1	1016-5	3.812	4.493	132.1E6	63267242	580.742M2	550.241
	Sum 1016-1			751.0E6	472.8E6	2920.750	2780.052
	Average 1016-1					584.150	556.010
9) l2	1260-1	4.827	5.537	184.7E6	129.5E6	565.447	539.549
10) l2	1260-2	5.048	5.693	274.6E6	156.6E6	561.993	537.499
11) l2	1260-3	5.552	6.266	179.0E6	129.3E6	550.295	524.880
12) l2	1260-4	5.786	6.442	363.4E6	263.4E6	538.240	508.962
13) l2	1260-5	6.001	6.717	268.8E6	174.0E6	543.307M1	507.175
	Sum 1260-1			1270.4E6	852.8E6	NoCal	NoCal D
	Average 1260-1					551.856	523.613
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-30.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 12:59 am
Operator : pest7:ht
Sample : il21660,42e,,9810
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:00:41 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 22:58:57 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-30.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 12:59 am
Operator : pest7:ht
Sample : il21660,42e,,9810
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:00:41 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 22:58:57 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Sum 1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

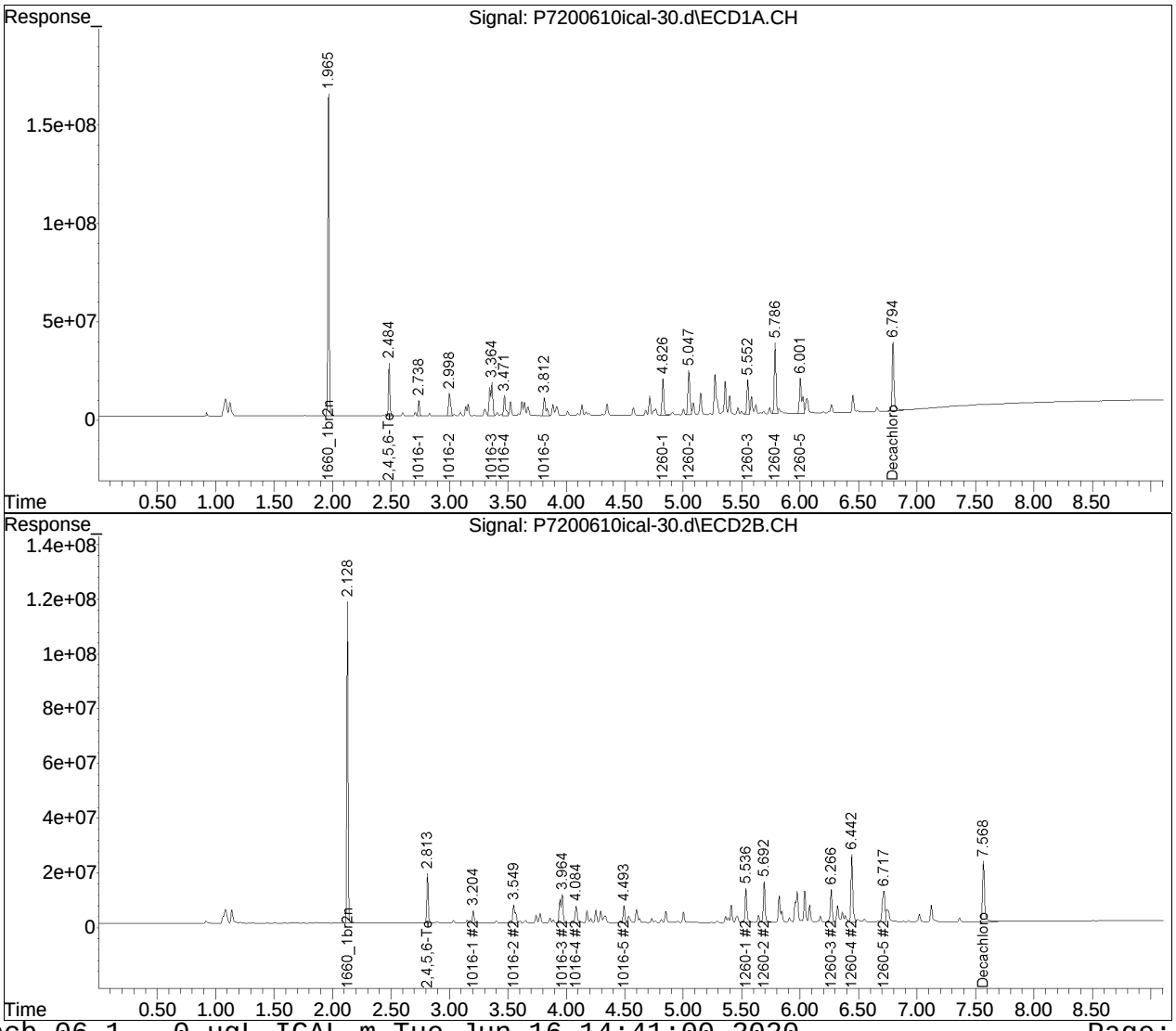
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-30.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 12:59 am
Operator : pest7:ht
Sample : il21660,42e,,9810
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 23:00:41 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 22:58:57 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

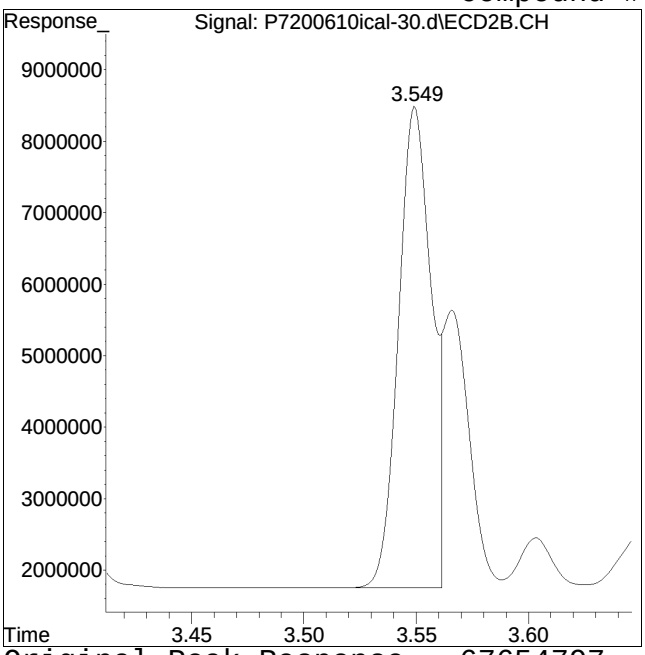


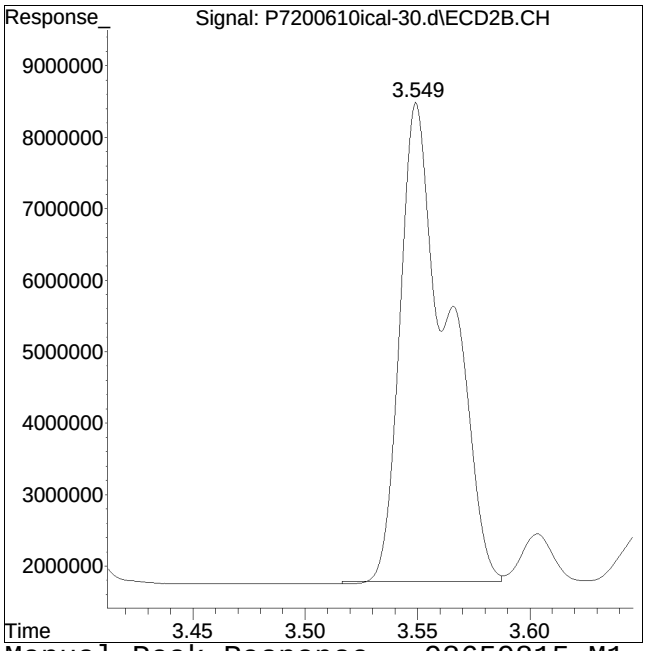
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-30.d
Date Inj'd : 6/11/2020 12:59 am
Sample : il21660,42e,,9810

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 10:59 pm

Compound #56: 1016-2 #2



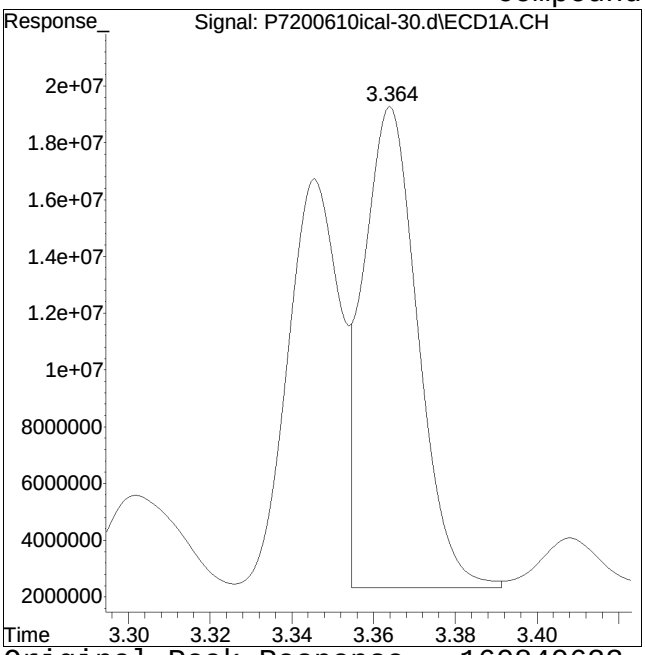


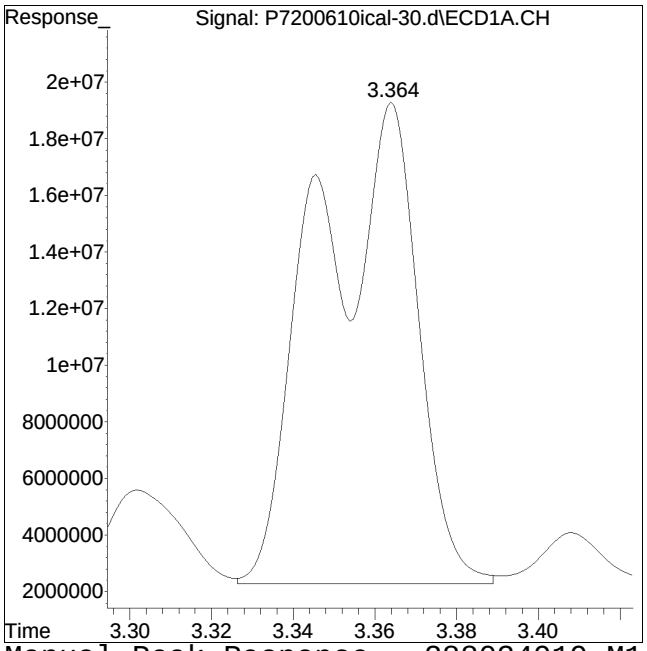
Original Peak Response = 67654797 Manual Peak Response = 98650815 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path	: I:\Pest7\200610ical\	QMethod	: P7_pcb_06_10_20_ugL_ICAL
Data File	: P7200610ical-30.d	Operator	: pest7:ht
Date Inj'd	: 6/11/2020 12:59 am	Instrument	: Pest 7
Sample	: il21660,42e,,9810	Quant Date	: 6/11/2020 10:59 pm

Compound #6: 1016-3





Original Peak Response = 160840623 Manual Peak Response = 288034919 M1

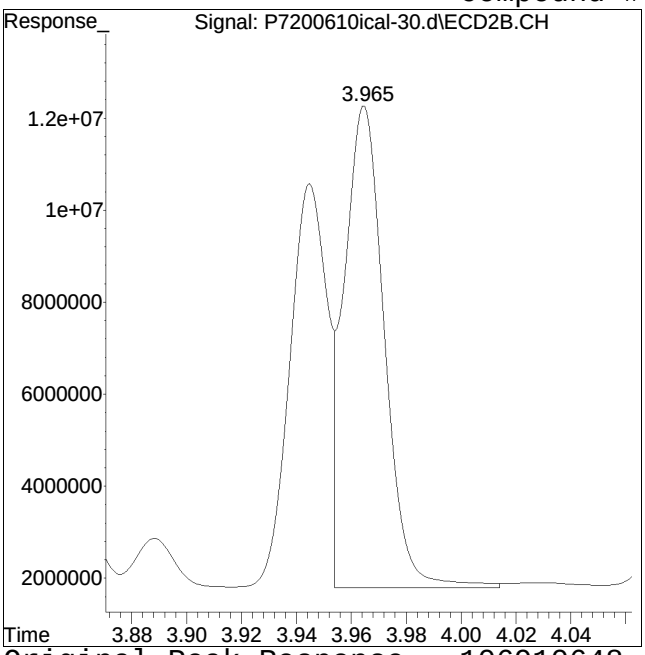
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

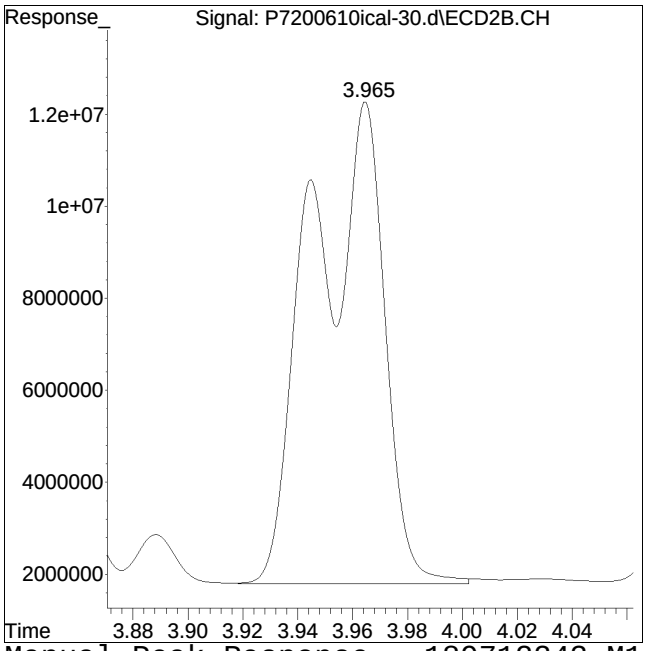
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-30.d
Date Inj'd : 6/11/2020 12:59 am
Sample : il21660,42e,,9810

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 10:59 pm

Compound #57: 1016-3 #2





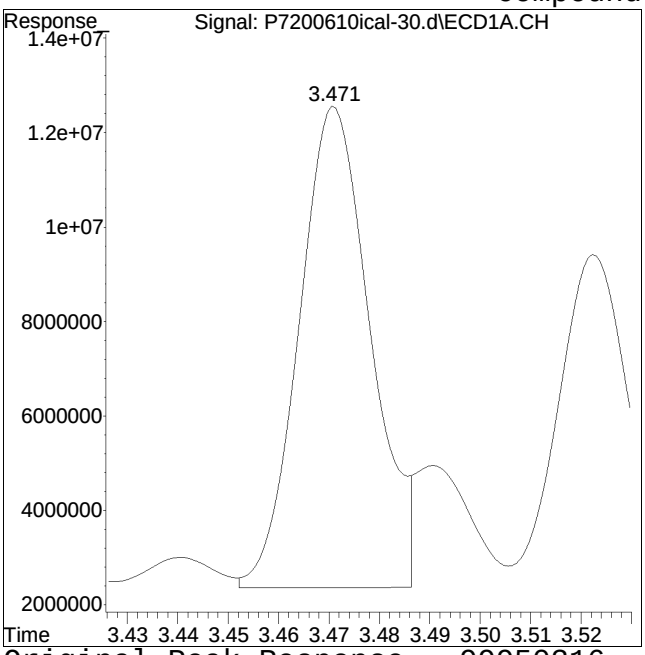
Original Peak Response = 106910648 Manual Peak Response = 189712243 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

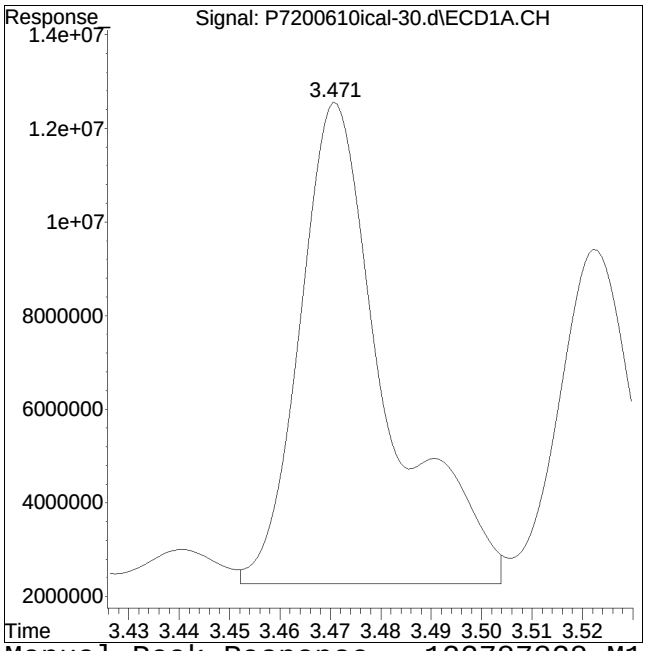
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-30.d
Date Inj'd : 6/11/2020 12:59 am
Sample : il21660,42e,,9810

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 10:59 pm

Compound #7: 1016-4





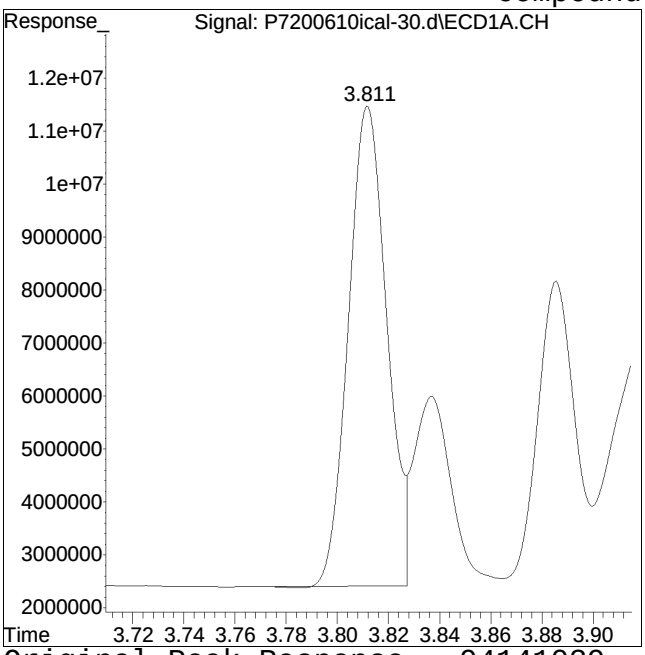
Original Peak Response = 99950316 Manual Peak Response = 122787828 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

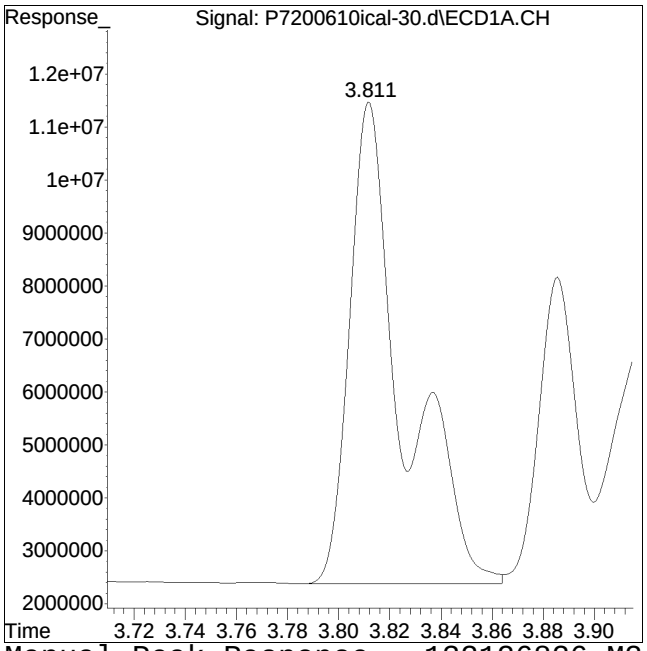
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-30.d
Date Inj'd : 6/11/2020 12:59 am
Sample : il21660,42e,,9810

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 10:59 pm

Compound #8: 1016-5





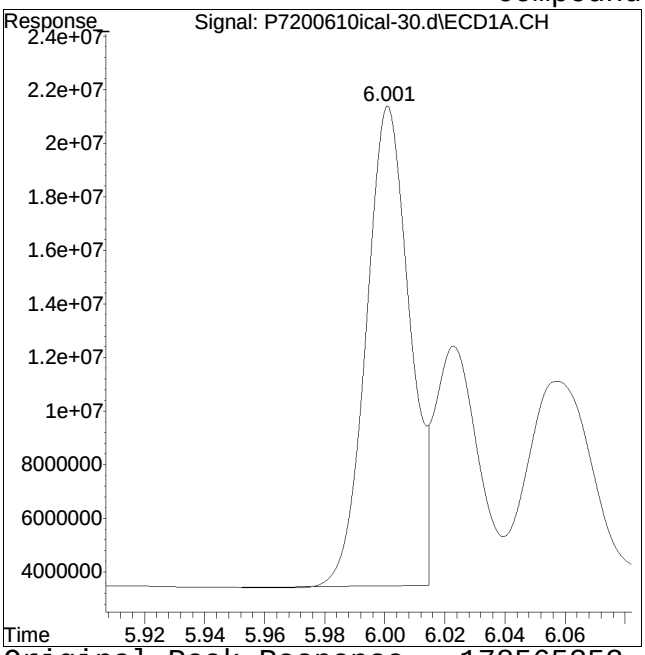
Original Peak Response = 94141039 Manual Peak Response = 132126826 M2
M2 = Peak not found by automatic integration algorithm.

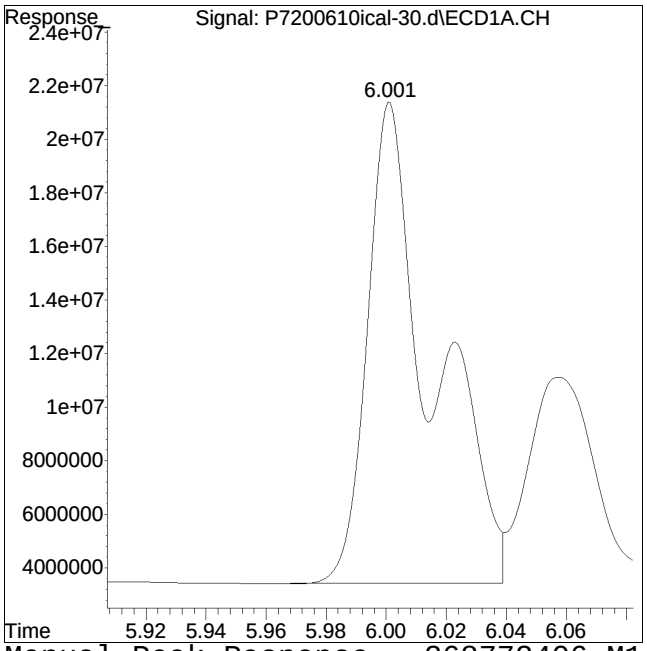
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-30.d
Date Inj'd : 6/11/2020 12:59 am
Sample : il21660,42e,,9810

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 10:59 pm

Compound #13: 1260-5





Original Peak Response = 178565353 Manual Peak Response = 268772406 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-31.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 1:12 am
Operator : pest7:ht
Sample : il31660,42e,,9810
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 22:58:45 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 22:57:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.965	2.128	1265.1E6	865.9E6	250.000	250.000
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	2.485	2.813	420.1E6	295.6E6	69.889	65.724
	Spiked Amount 500.000	Range 30 - 150		Recovery =		13.98%#	13.14%#
3) s	Decachlorobi	6.795	7.567	746.8E6	538.8E6	142.745	133.189
	Spiked Amount 500.000	Range 30 - 150		Recovery =		28.55%#	26.64%#
	Target Compounds						
4) l1	1016-1	2.738	3.204	125.8E6	86306050	1146.324	1109.771
5) l1	1016-2	2.999	3.550	275.1E6	192.2E6	1149.731	1099.208
6) l1	1016-3	3.364	3.964	558.3E6	378.8E6	1108.027M1	1048.055M1
7) l1	1016-4	3.471	4.085	234.8E6	148.7E6	1138.364	1077.390
8) l1	1016-5	3.812	4.494	257.8E6	124.4E6	1145.279M1	1074.916
Sum	1016-1			1451.9E6	930.4E6	5687.726	5409.341
Average	1016-1					1137.545	1081.868
9) l2	1260-1	4.827	5.537	367.1E6	257.0E6	1132.014	1059.387
10) l2	1260-2	5.048	5.693	543.3E6	312.0E6	1115.866	1059.033
11) l2	1260-3	5.553	6.267	358.5E6	260.5E6	1102.736	1042.227
12) l2	1260-4	5.786	6.442	739.7E6	538.0E6	1093.436	1017.925
13) l2	1260-5	6.001	6.716	539.6E6	353.1E6	1086.877M1	1004.692
Sum	1260-1			2548.1E6	1720.6E6	NoCal	NoCal D
Average	1260-1					1106.186	1036.653
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-31.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 1:12 am
Operator : pest7:ht
Sample : il31660,42e,,9810
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 22:58:45 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 22:57:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-31.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 1:12 am
Operator : pest7:ht
Sample : il31660,42e,,9810
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 22:58:45 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 22:57:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Sum 1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

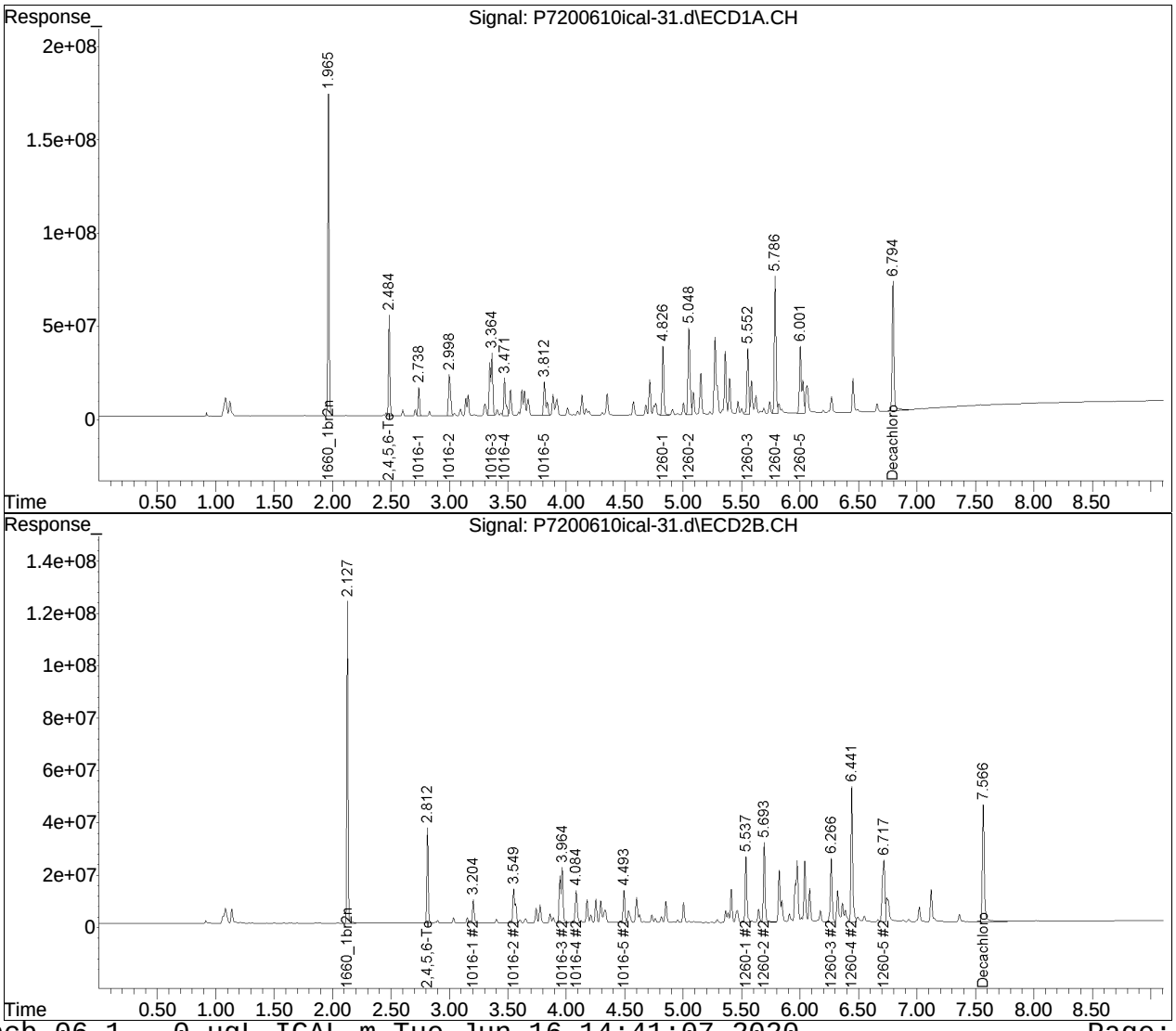
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-31.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 1:12 am
Operator : pest7:ht
Sample : il31660,42e,,9810
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 22:58:45 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 22:57:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

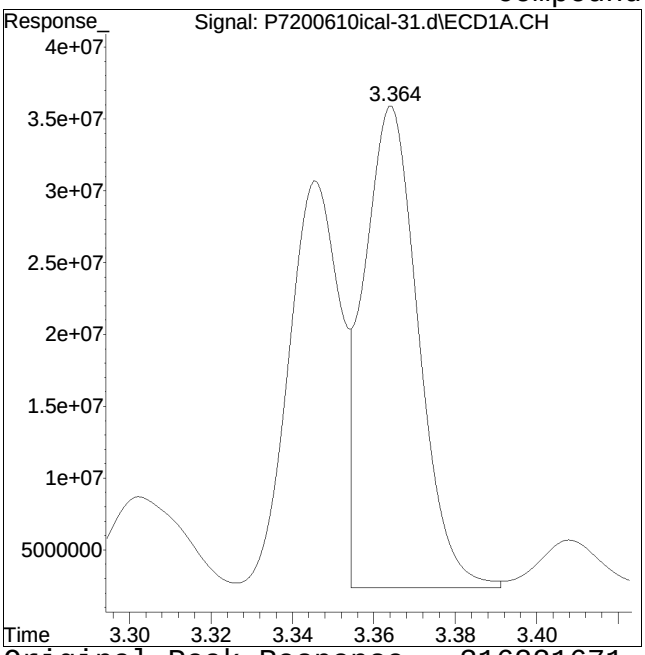


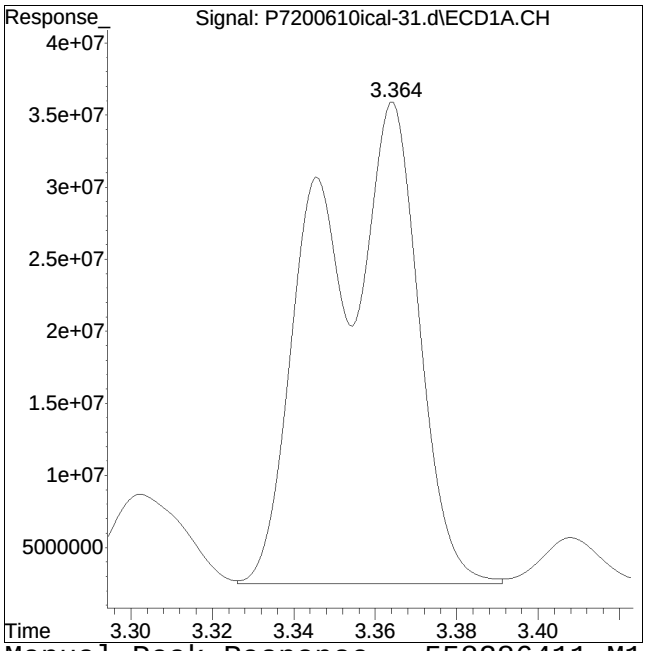
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-31.d
Date Inj'd : 6/11/2020 1:12 am
Sample : il31660,42e,,9810

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 10:57 pm

Compound #6: 1016-3





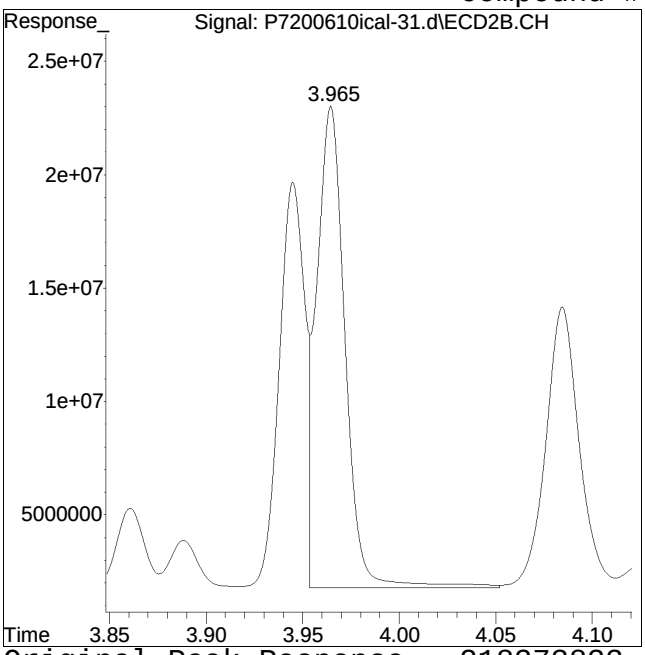
Original Peak Response = 316221671 Manual Peak Response = 558286411 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

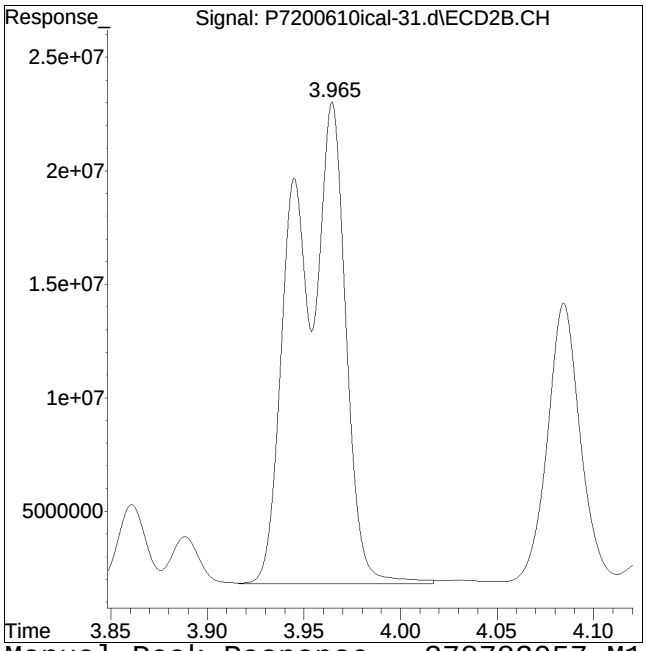
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-31.d
Date Inj'd : 6/11/2020 1:12 am
Sample : il31660,42e,,9810

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 10:57 pm

Compound #57: 1016-3 #2





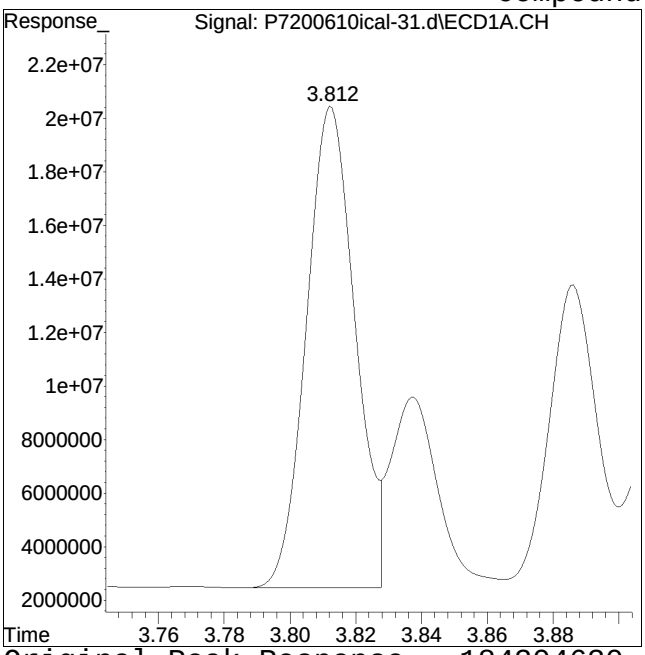
Original Peak Response = 218373833 Manual Peak Response = 378783057 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

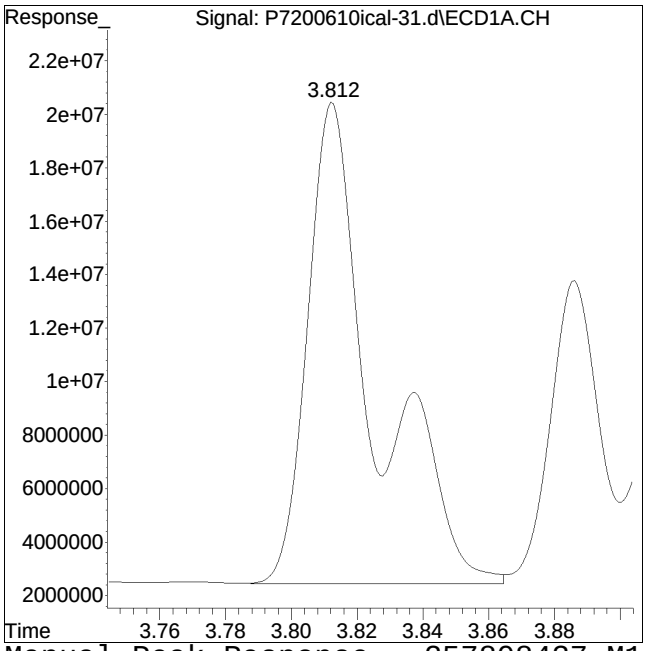
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-31.d
Date Inj'd : 6/11/2020 1:12 am
Sample : il31660,42e,,9810

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 10:57 pm

Compound #8: 1016-5





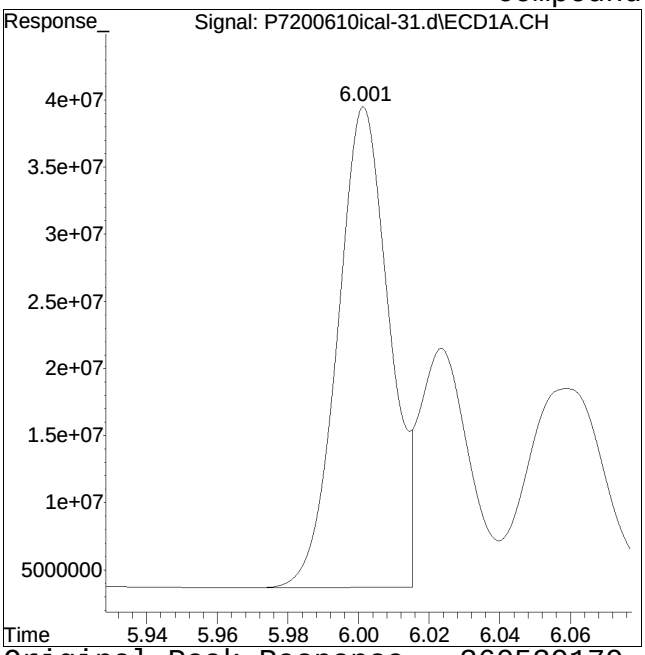
Original Peak Response = 184304630 Manual Peak Response = 257808437 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

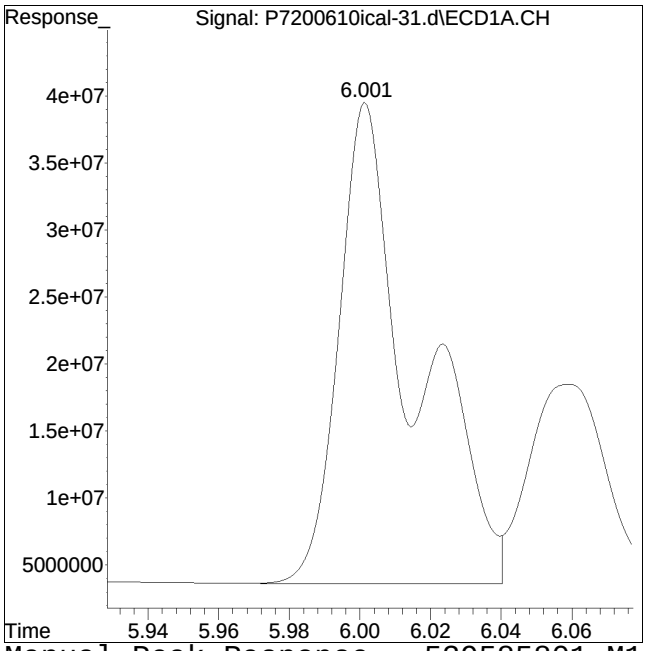
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-31.d
Date Inj'd : 6/11/2020 1:12 am
Sample : il31660,42e,,9810

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 10:57 pm

Compound #13: 1260-5





Original Peak Response = 360539179 Manual Peak Response = 539585801 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-32.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 1:24 am
Operator : pest7:ht
Sample : il41660,42e,,9810
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 22:57:12 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 22:55:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.966	2.128	1197.7E6	809.3E6	250.000	250.000
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	2.485	2.813	975.1E6	694.4E6	177.692	167.888
	Spiked Amount 500.000	Range 30 - 150		Recovery =		35.54%	33.58%
3) s	Decachlorobi	6.794	7.568f	1673.0E6	1250.7E6	347.475	336.492
	Spiked Amount 500.000	Range 30 - 150		Recovery =		69.50%	67.30%
	Target Compounds						
4) l1	1016-1	2.738	3.205	280.2E6	193.7E6	2805.556	2755.881
5) l1	1016-2	2.999	3.550	612.5E6	432.2E6	2819.448	2722.674
6) l1	1016-3	3.364	3.965	1260.1E6	877.5E6	2718.786M1	2649.316M1
7) l1	1016-4	3.471	4.084	526.5E6	339.0E6	2805.620	2696.905
8) l1	1016-5	3.812	4.493	577.3E6	283.8E6	2827.336M1	2688.334
	Sum 1016-1			3256.5E6	2126.1E6	13976.746	13513.110
	Average 1016-1					2795.349	2702.622
9) l2	1260-1	4.827	5.537	823.0E6	591.2E6	2782.130	2664.310
10) l2	1260-2	5.048	5.693	1230.8E6	717.6E6	2764.463	2663.132
11) l2	1260-3	5.552	6.266	816.9E6	605.1E6	2738.778	2637.036
12) l2	1260-4	5.786	6.442	1701.8E6	1270.3E6	2743.864	2608.677
13) l2	1260-5	6.001	6.716	1232.3E6	827.2E6	2687.732M1	2527.971M2
	Sum 1260-1			5804.9E6	4011.4E6	NoCal	NoCal D
	Average 1260-1					2743.393	2620.225
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-32.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 1:24 am
Operator : pest7:ht
Sample : il41660,42e,,9810
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 22:57:12 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 22:55:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-32.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 1:24 am
Operator : pest7:ht
Sample : il41660,42e,,9810
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 22:57:12 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 22:55:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
39)	l7 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41)	l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	l5 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46)	l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	l8 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	l8 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	l8 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

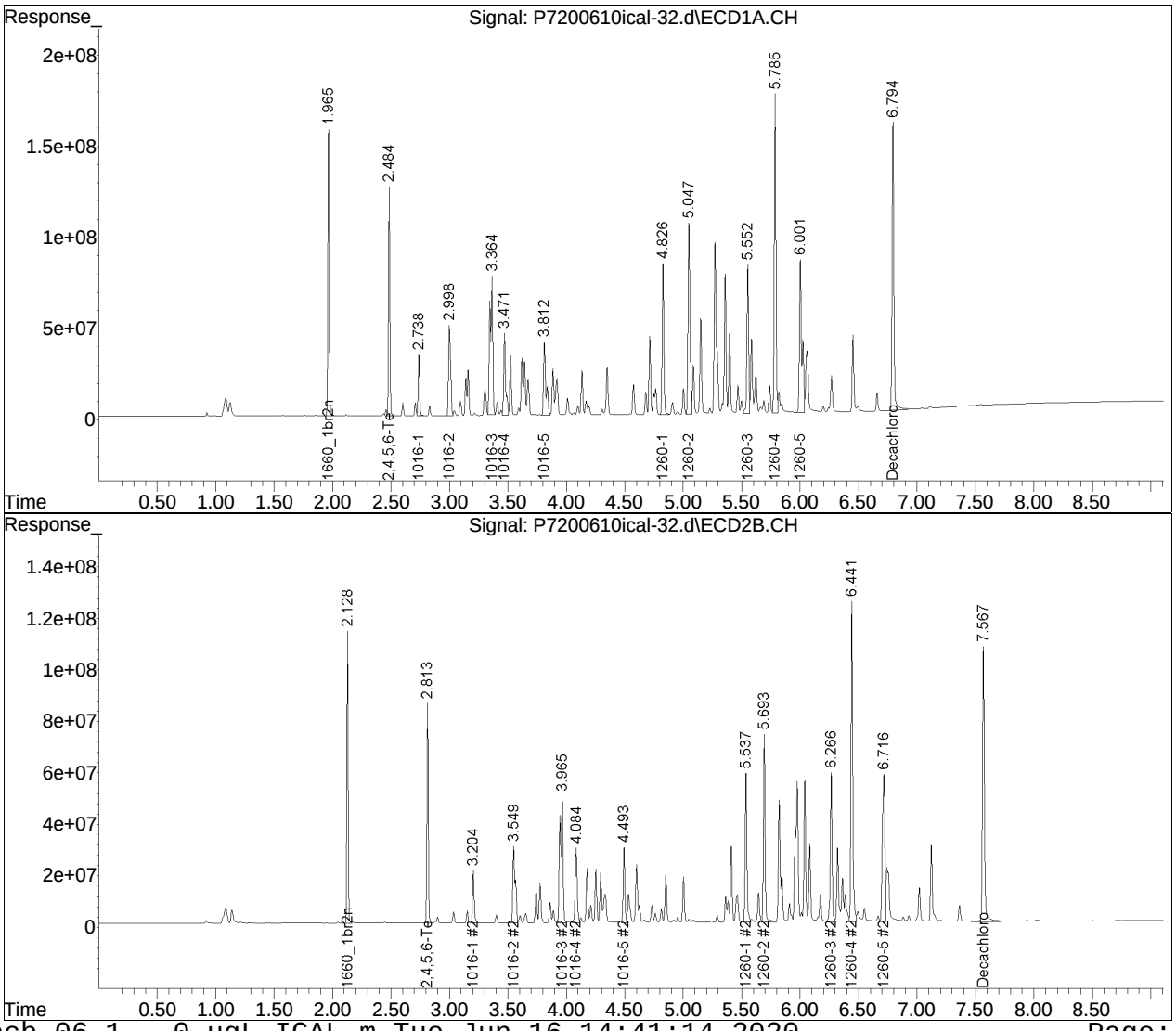
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-32.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 1:24 am
Operator : pest7:ht
Sample : il41660,42e,,9810
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 22:57:12 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 22:55:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

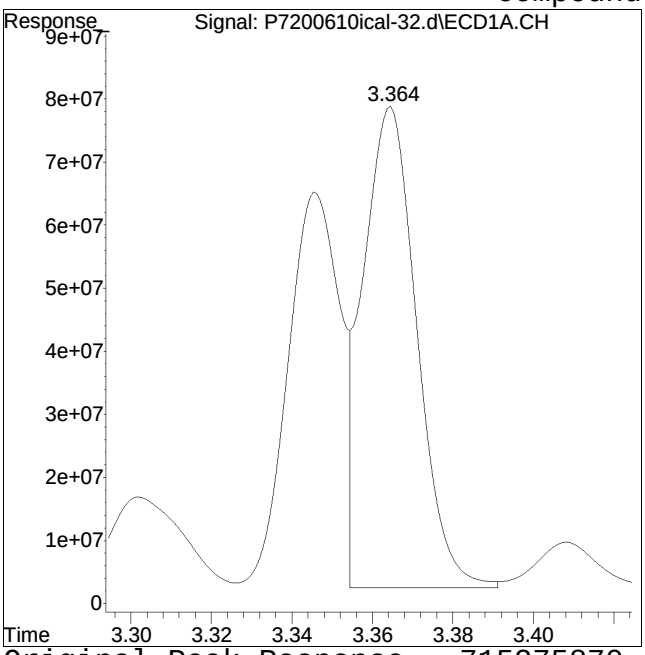


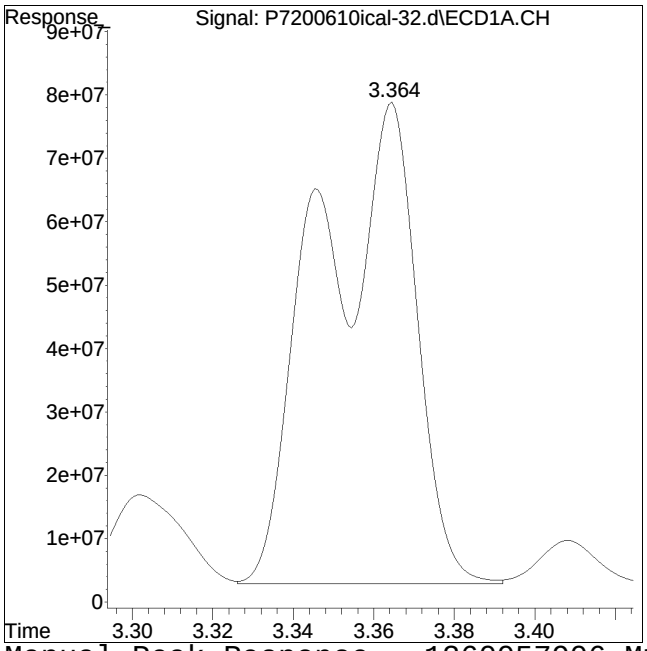
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-32.d
Date Inj'd : 6/11/2020 1:24 am
Sample : il41660,42e,,9810

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 10:55 pm

Compound #6: 1016-3





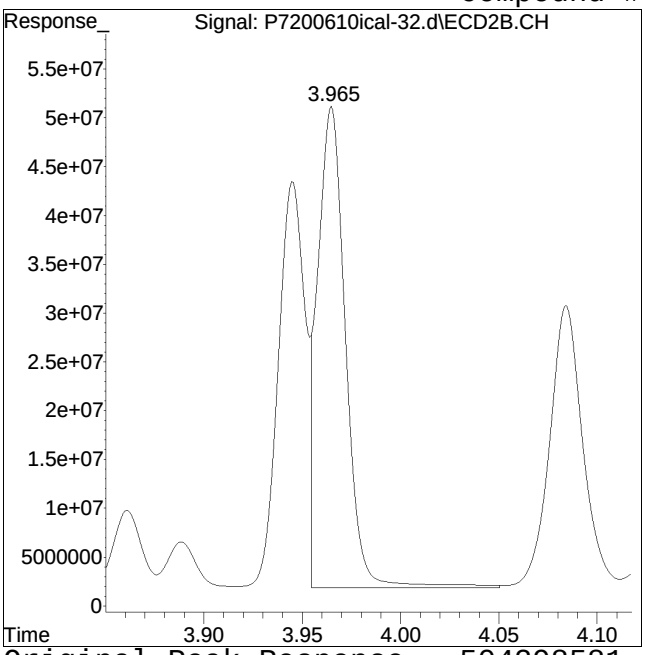
Original Peak Response = 715275870 Manual Peak Response = 1260057906 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

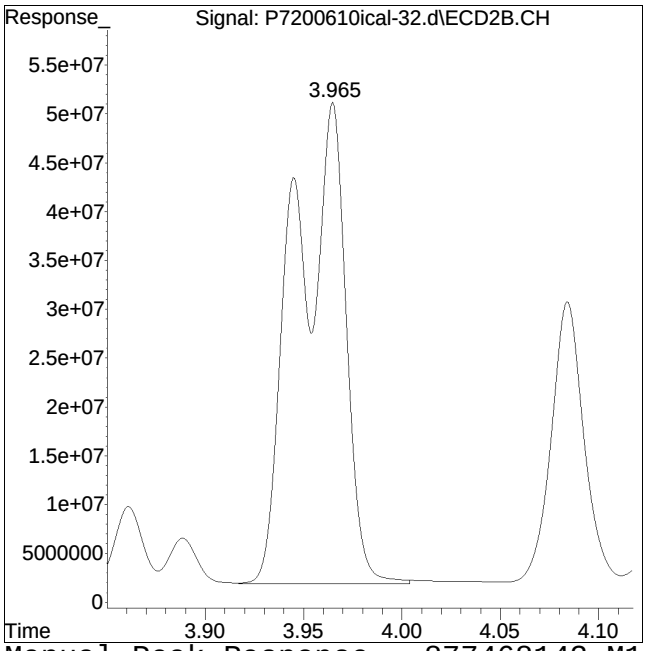
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-32.d
Date Inj'd : 6/11/2020 1:24 am
Sample : il41660,42e,,9810

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 10:55 pm

Compound #57: 1016-3 #2





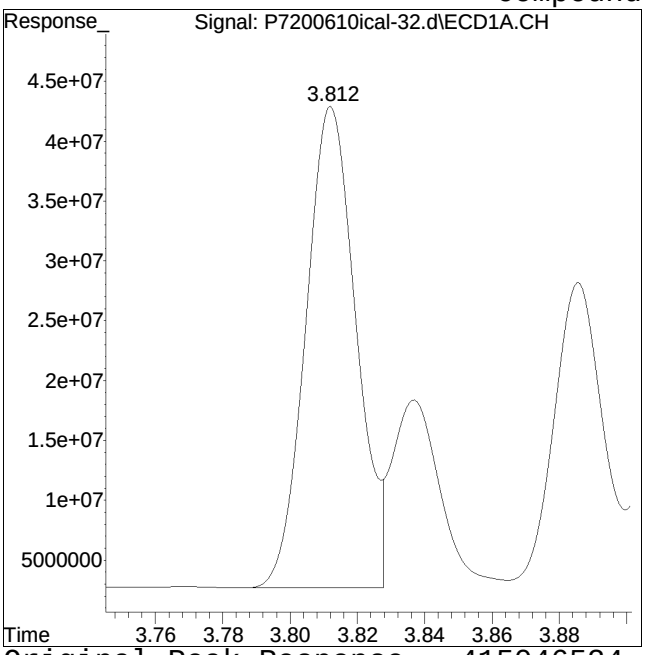
Original Peak Response = 504298581 Manual Peak Response = 877468143 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

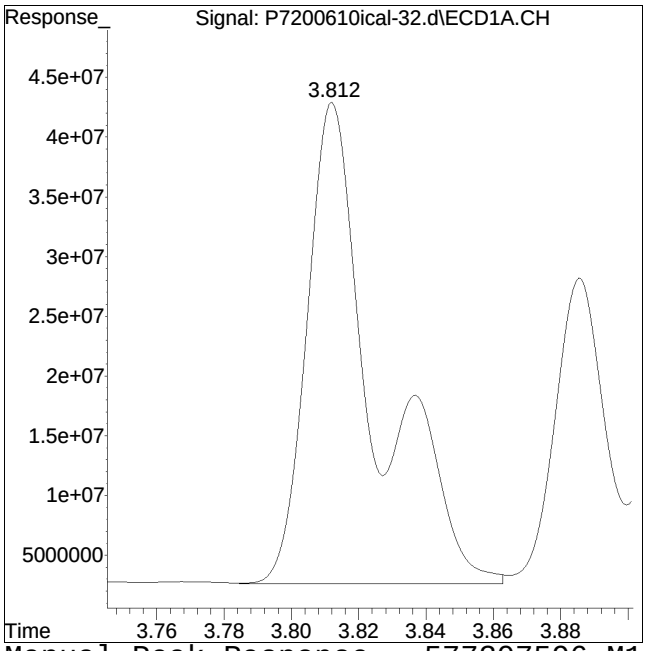
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-32.d
Date Inj'd : 6/11/2020 1:24 am
Sample : il41660,42e,,9810

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 10:55 pm

Compound #8: 1016-5





Original Peak Response = 415046524 Manual Peak Response = 577307596 M1

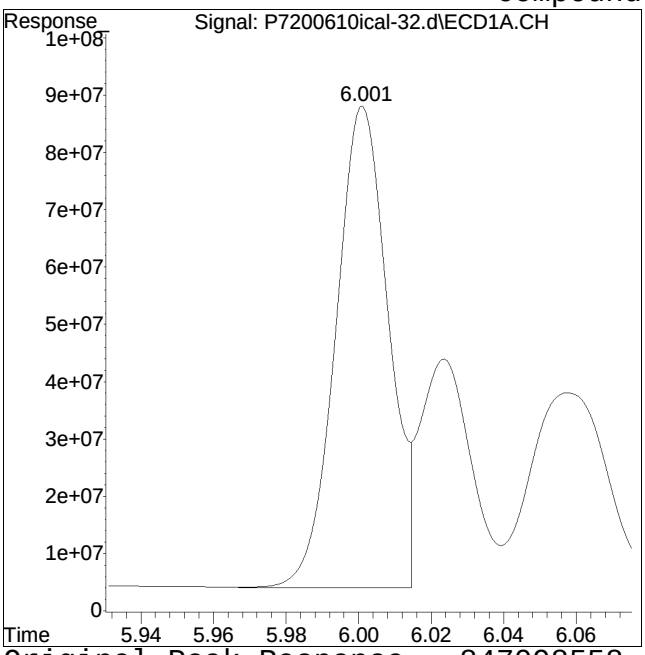
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

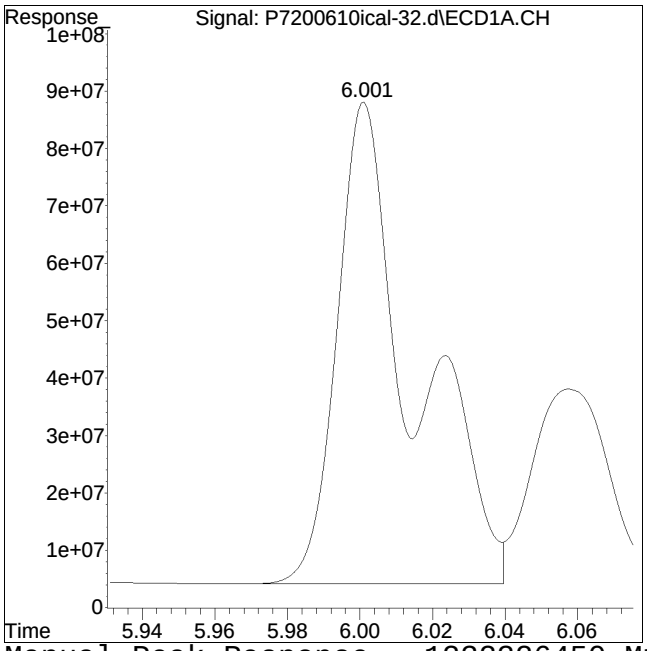
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-32.d
Date Inj'd : 6/11/2020 1:24 am
Sample : il41660,42e,,9810

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 10:55 pm

Compound #13: 1260-5





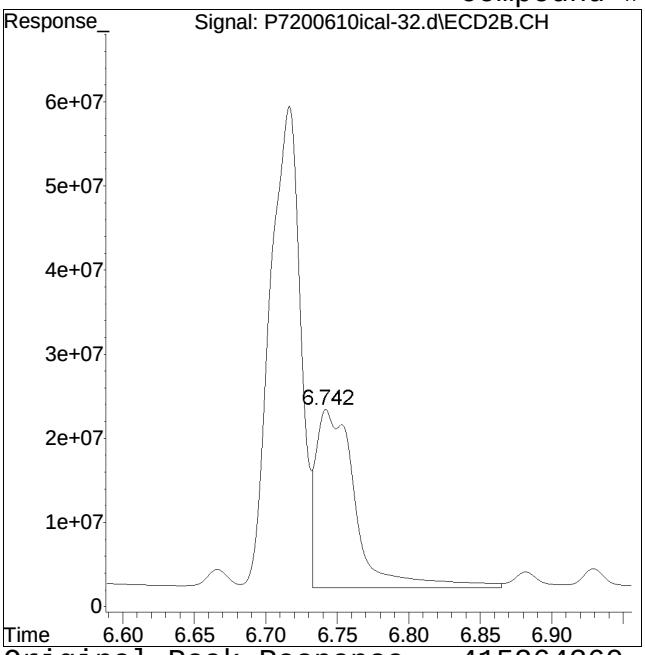
Original Peak Response = 847098558 Manual Peak Response = 1232326450 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

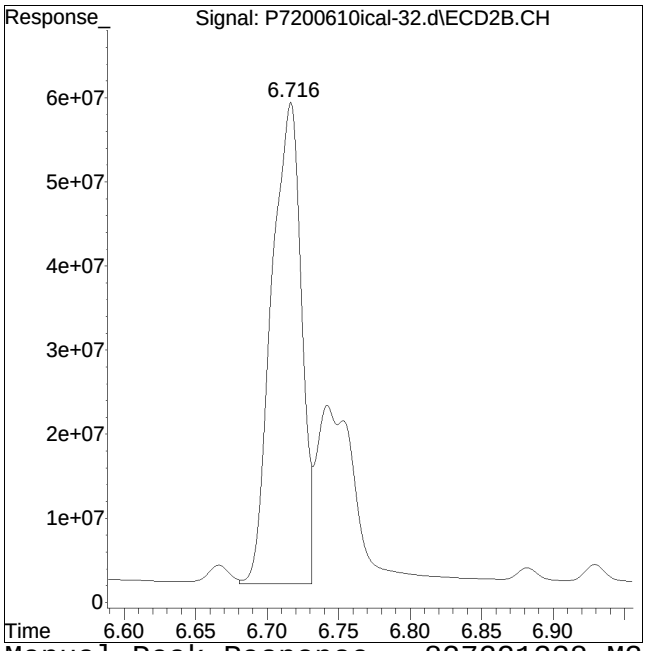
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-32.d
Date Inj'd : 6/11/2020 1:24 am
Sample : il41660,42e,,9810

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 10:55 pm

Compound #64: 1260-5 #2





Original Peak Response = 415264360 Manual Peak Response = 827221238 M2
M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-33.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 1:37 am
Operator : pest7:ht
Sample : il51660,42e,,9810
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 22:54:20 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 22:52:21 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.966	2.128	1199.2E6	811.3E6	250.000	250.000
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	2.485	2.813	1806.2E6	1334.6E6	337.911	323.726
	Spiked Amount 500.000	Range 30 - 150		Recovery =		67.58%	64.75%
3) s	Decachlorobi	6.795	7.569f	3220.3E6	2434.3E6	698.476	667.137
	Spiked Amount 500.000	Range 30 - 150		Recovery =		139.70%	133.43%
	Target Compounds						
4) l1	1016-1	2.739	3.204	516.5E6	362.9E6	5343.694	5308.908
5) l1	1016-2	2.999	3.549	1127.2E6	813.1E6	5377.179	5224.114M1
6) l1	1016-3	3.364	3.964	2416.8E6	1665.7E6	9716.968M1	8994.261M1
7) l1	1016-4	3.471	4.084	966.8E6	641.3E6	6241.615M1	5181.583
8) l1	1016-5	3.812	4.493	1061.4E6	539.0E6	7343.411M1	5190.582
	Sum 1016-1			6088.7E6	4022.0E6	34022.867	29899.448
Average	1016-1					6804.573	5979.890
9) l2	1260-1	4.826	5.537	1540.5E6	1133.1E6	5418.431	5190.381
10) l2	1260-2	5.048	5.693	2320.6E6	1373.2E6	5428.693	5169.726
11) l2	1260-3	5.553	6.266	1554.0E6	1172.2E6	5424.232	5195.533
12) l2	1260-4	5.786	6.442	3236.9E6	2476.9E6	5443.543	5150.267
13) l2	1260-5	6.001	6.716	2370.5E6	1667.8E6	5338.045M1	5170.501M2
	Sum 1260-1			11022.5E6	7823.3E6	NoCal	NoCal D
Average	1260-1					5410.589	5175.282
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-33.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 1:37 am
Operator : pest7:ht
Sample : il51660,42e,,9810
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 22:54:20 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 22:52:21 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-33.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 1:37 am
Operator : pest7:ht
Sample : il51660,42e,,9810
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 22:54:20 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 22:52:21 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
39)	l7 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41)	l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	l5 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46)	l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	l8 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	l8 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	l8 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

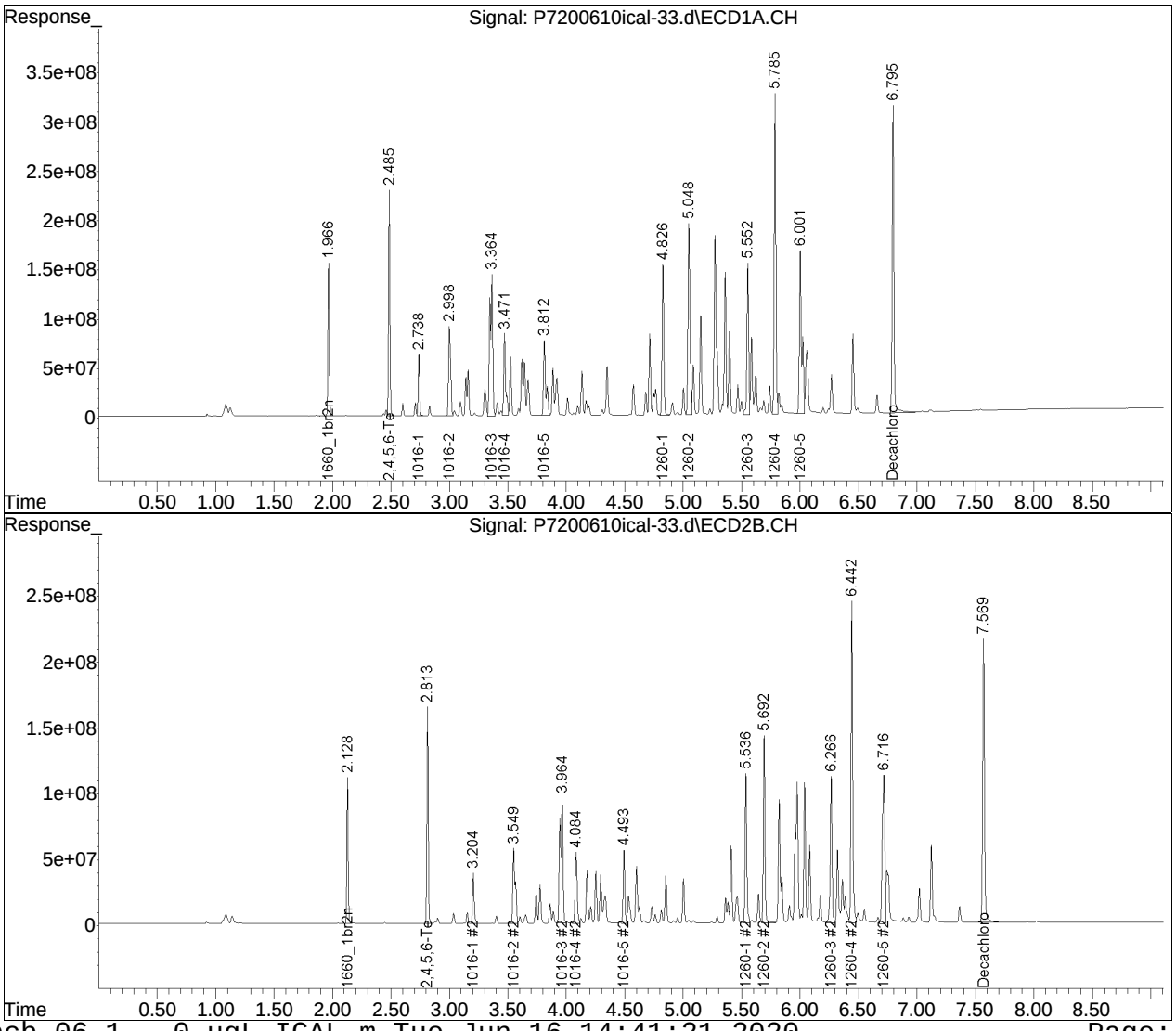
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-33.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 1:37 am
Operator : pest7:ht
Sample : il51660,42e,,9810
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 22:54:20 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 22:52:21 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

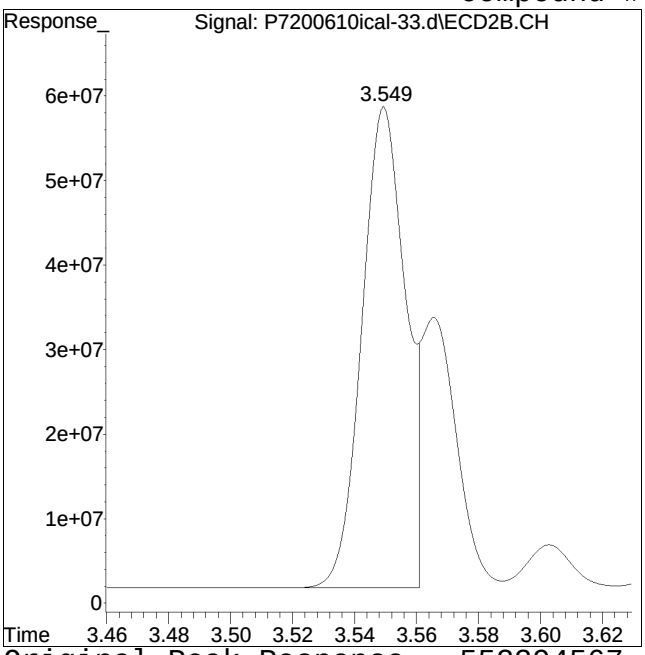


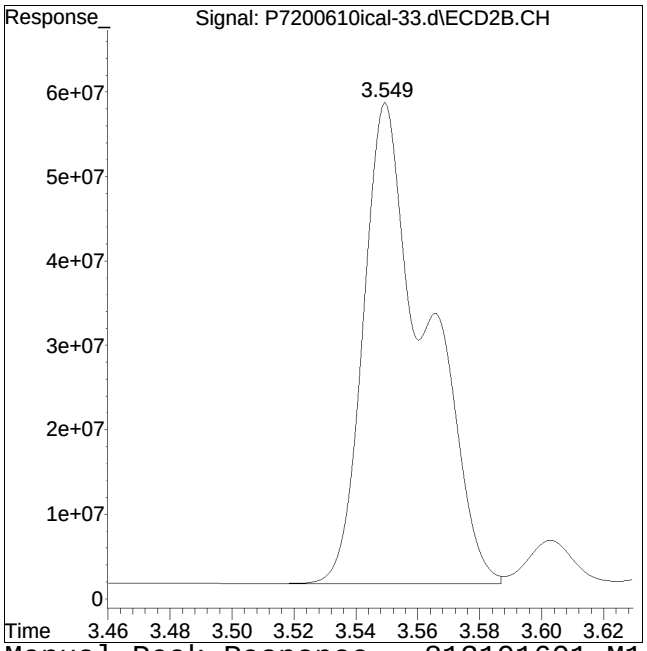
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-33.d
Date Inj'd : 6/11/2020 1:37 am
Sample : il51660,42e,,9810

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 10:52 pm

Compound #56: 1016-2 #2





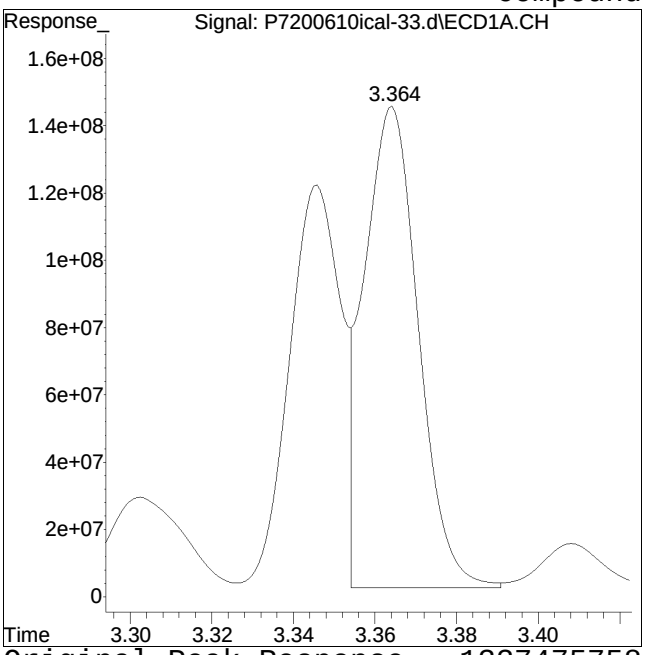
Original Peak Response = 552394567 Manual Peak Response = 813101601 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

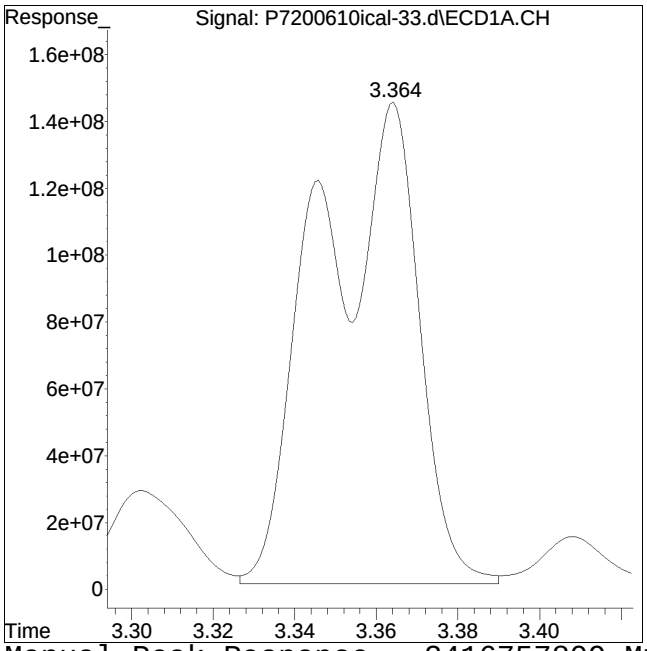
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-33.d
Date Inj'd : 6/11/2020 1:37 am
Sample : il51660,42e,,9810

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 10:52 pm

Compound #6: 1016-3





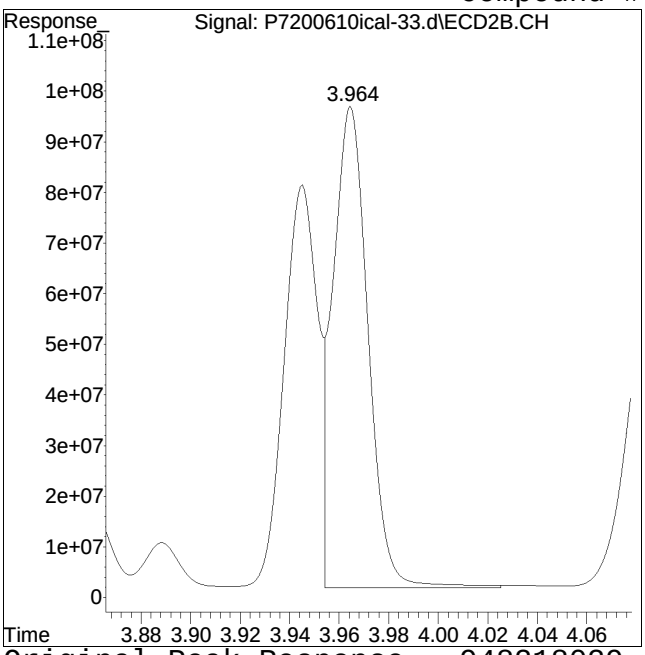
Original Peak Response = 1337475758 Manual Peak Response = 2416757809 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

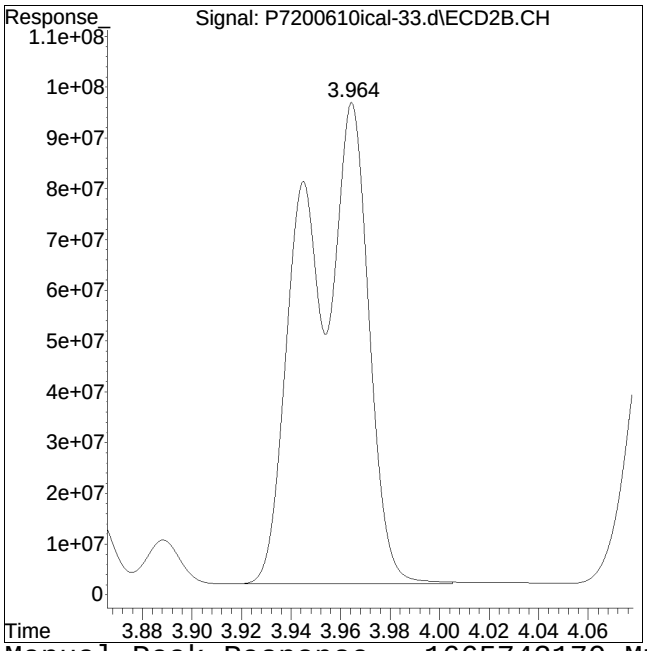
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-33.d
Date Inj'd : 6/11/2020 1:37 am
Sample : il51660,42e,,9810

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 10:52 pm

Compound #57: 1016-3 #2





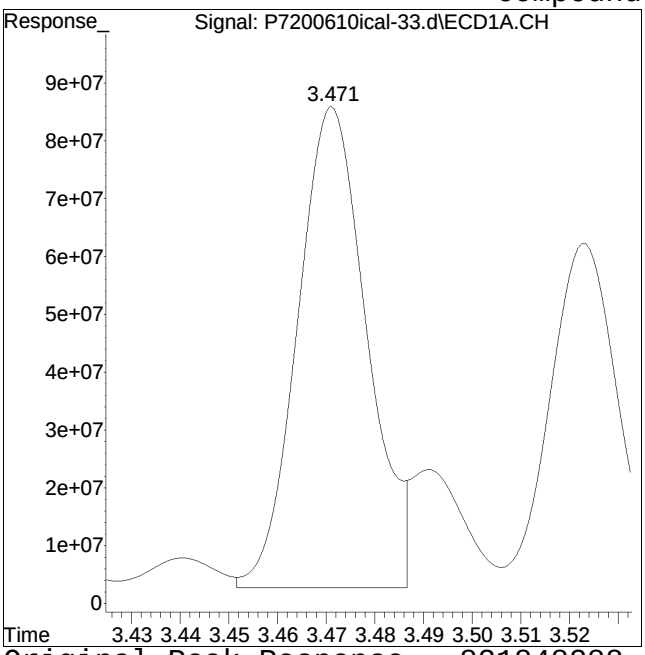
Original Peak Response = 948218029 Manual Peak Response = 1665742170 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

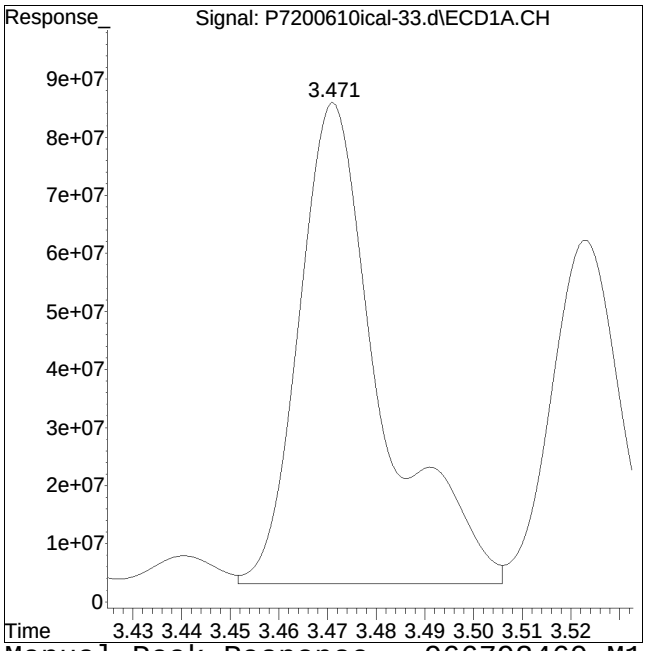
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-33.d
Date Inj'd : 6/11/2020 1:37 am
Sample : il51660,42e,,9810

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 10:52 pm

Compound #7: 1016-4





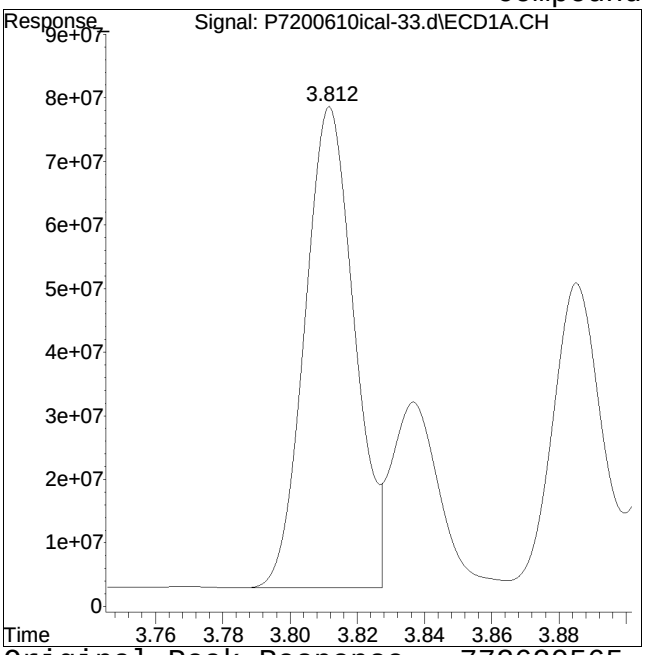
Original Peak Response = 821848288 Manual Peak Response = 966792460 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

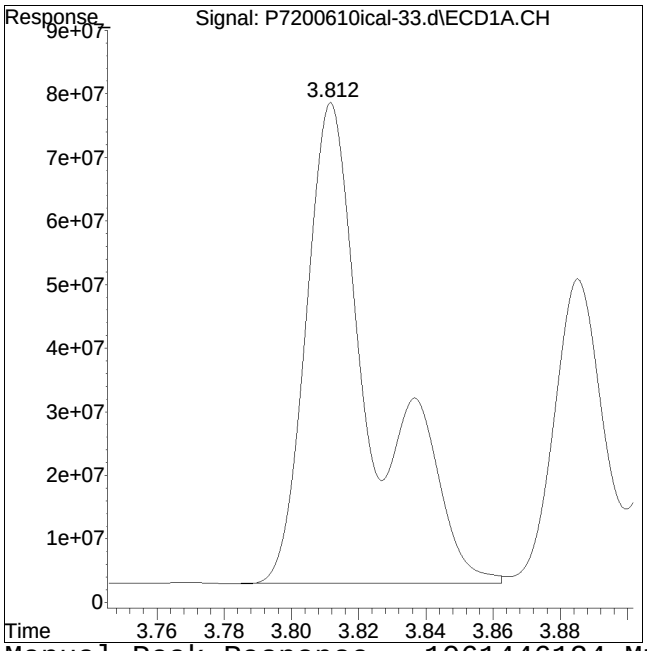
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-33.d
Date Inj'd : 6/11/2020 1:37 am
Sample : il51660,42e,,9810

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 10:52 pm

Compound #8: 1016-5





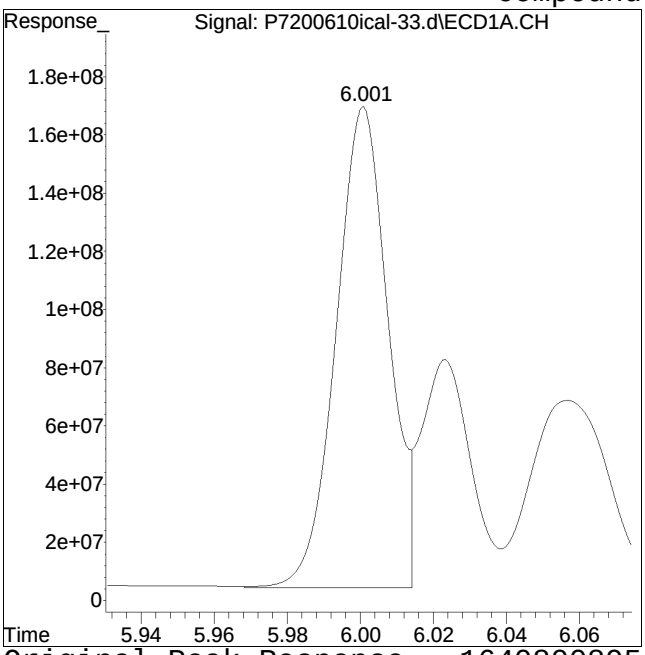
Original Peak Response = 772620565 Manual Peak Response = 1061446124 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

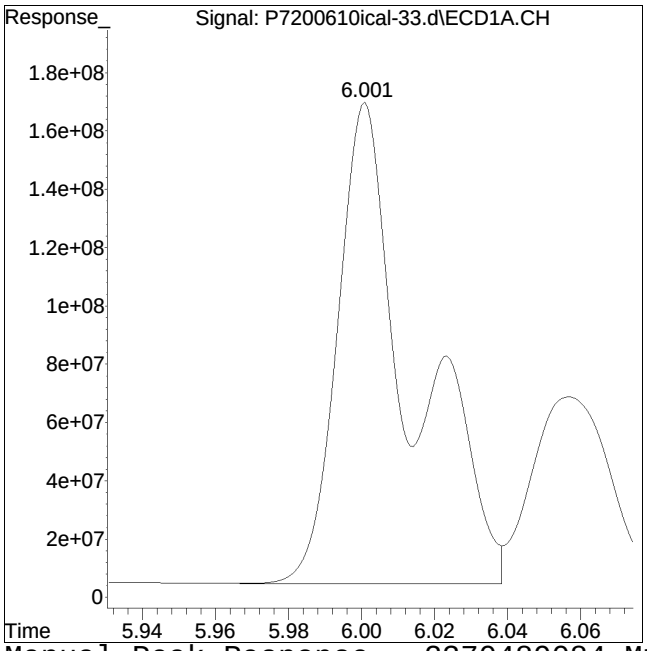
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-33.d
Date Inj'd : 6/11/2020 1:37 am
Sample : il51660,42e,,9810

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 10:52 pm

Compound #13: 1260-5





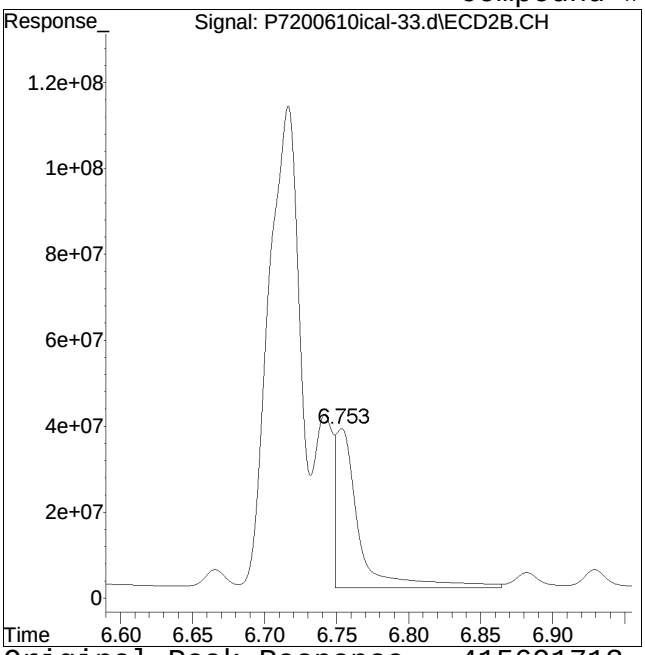
Original Peak Response = 1640800895 Manual Peak Response = 2370489084 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

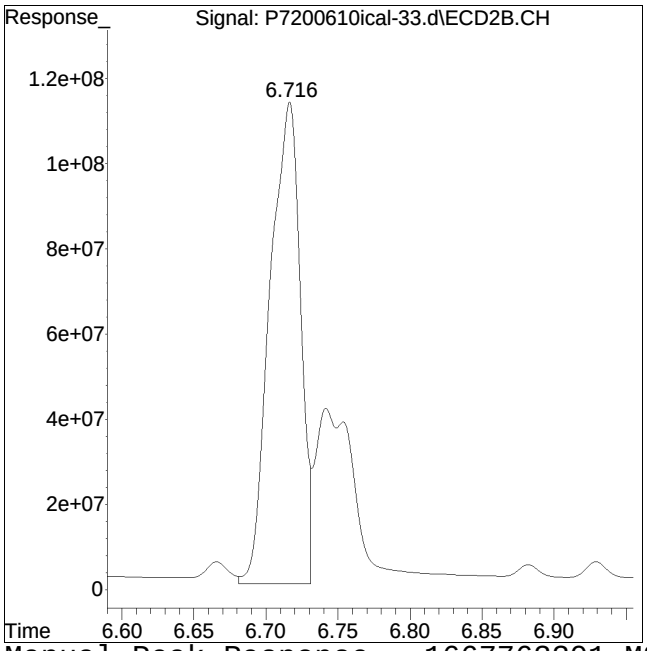
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-33.d
Date Inj'd : 6/11/2020 1:37 am
Sample : il51660,42e,,9810

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 10:52 pm

Compound #64: 1260-5 #2





Original Peak Response = 415691713 Manual Peak Response = 1667763301 M2
M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-34.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 3:07 am
Operator : pest7:ht
Sample : il61660,42e,,9810
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 22:55:23 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 22:50:23 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.966	2.123	1325.9E6	884.4E6	250.000	250.000
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	2.489	2.809	3782.2E6	2876.0E6	NoCal	NoCal
Spiked Amount	500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s	Decachlorobi	6.818	7.605	6524.6E6	5091.3E6	NoCal	NoCal
Spiked Amount	500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	2.743	3.201	1068.7E6	745.1E6	NoCal	NoCal
5) l1	1016-2	3.005	3.546	2317.7E6	1696.6E6	NoCal	NoCal M1
6) l1	1016-3	3.371	3.962	4917.3E6	3607.4E6	NoCal M1	NoCal M1
7) l1	1016-4	3.478	4.082	2016.7E6	1349.0E6	NoCal M1	NoCal
8) l1	1016-5	3.820	4.491	2173.7E6	1132.0E6	NoCal M1	NoCal
Sum	1016-1			0	0	N.D.	N.D.
Average	1016-1					0.000	0.000
9) l2	1260-1	4.835	5.535	3143.4E6	2379.8E6	NoCal	NoCal
10) l2	1260-2	5.055	5.691	4726.2E6	2895.6E6	NoCal	NoCal
11) l2	1260-3	5.560	6.269	3167.5E6	2459.5E6	NoCal	NoCal
12) l2	1260-4	5.793	6.449	6574.4E6	5242.5E6	NoCal	NoCal
13) l2	1260-5	6.009	6.730	4909.7E6	3516.1E6	NoCal M1	NoCal
Sum	1260-1			0	0	N.D.	N.D.
Average	1260-1					0.000	0.000
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-34.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 3:07 am
Operator : pest7:ht
Sample : il61660,42e,,9810
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 22:55:23 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 22:50:23 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-34.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 3:07 am
Operator : pest7:ht
Sample : il61660,42e,,9810
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 22:55:23 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 22:50:23 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Sum 1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

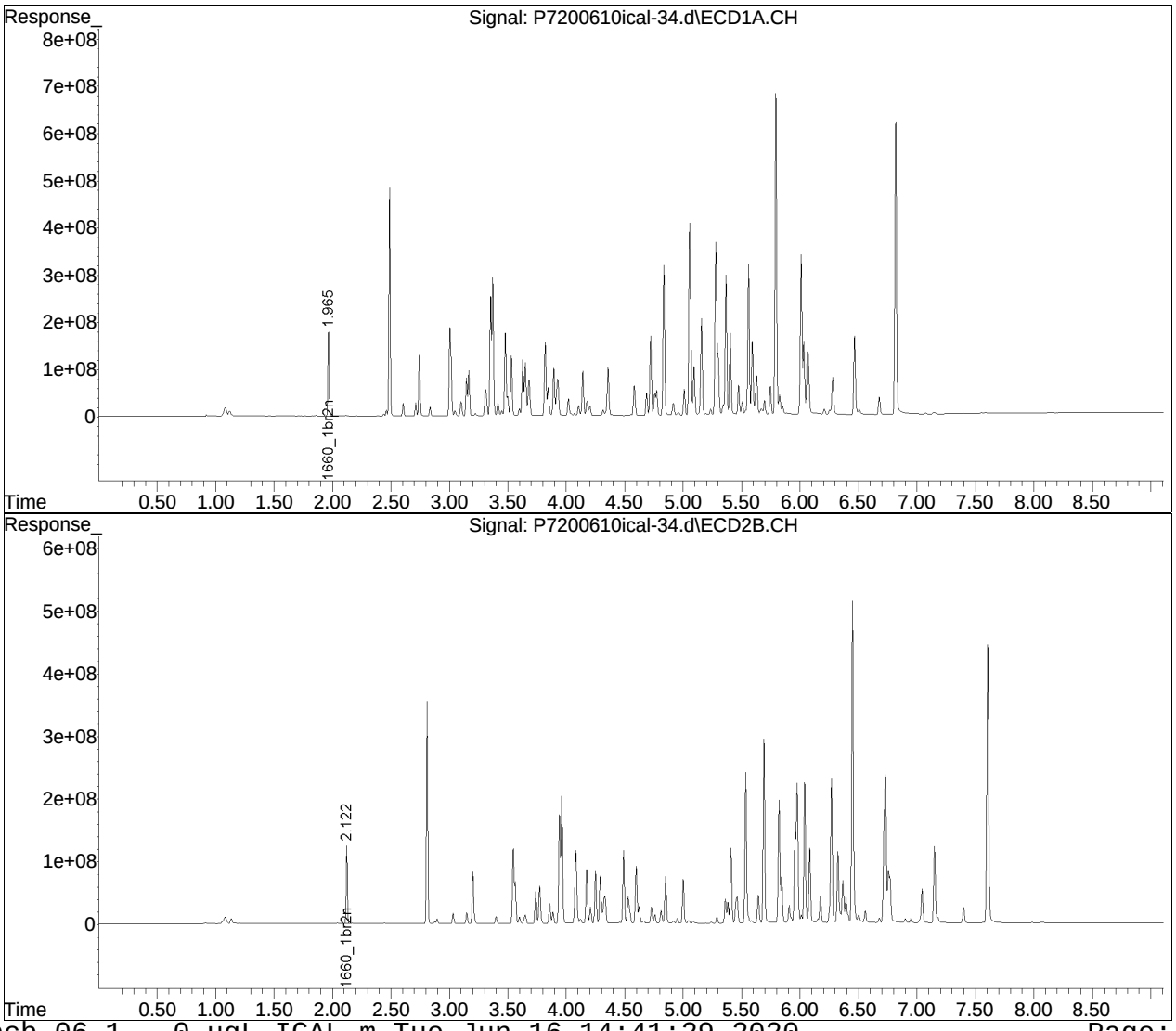
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-34.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 3:07 am
Operator : pest7:ht
Sample : il61660,42e,,9810
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 11 22:55:23 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Thu Jun 11 22:50:23 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

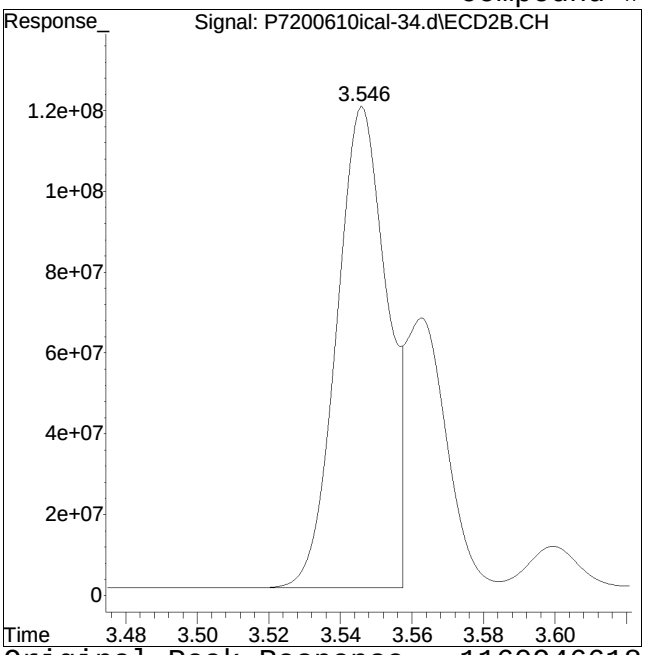


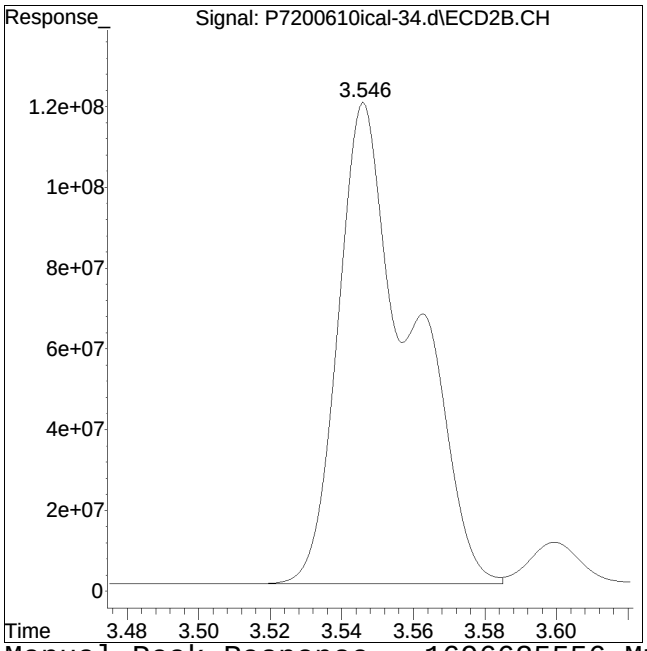
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-34.d
Date Inj'd : 6/11/2020 3:07 am
Sample : il61660,42e,,9810

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 10:50 pm

Compound #56: 1016-2 #2





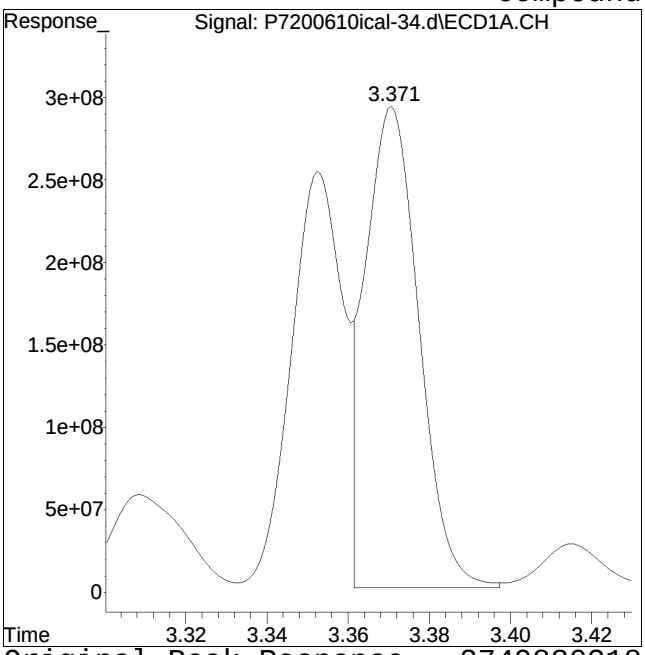
Original Peak Response = 1160946618 Manual Peak Response = 1696625556 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

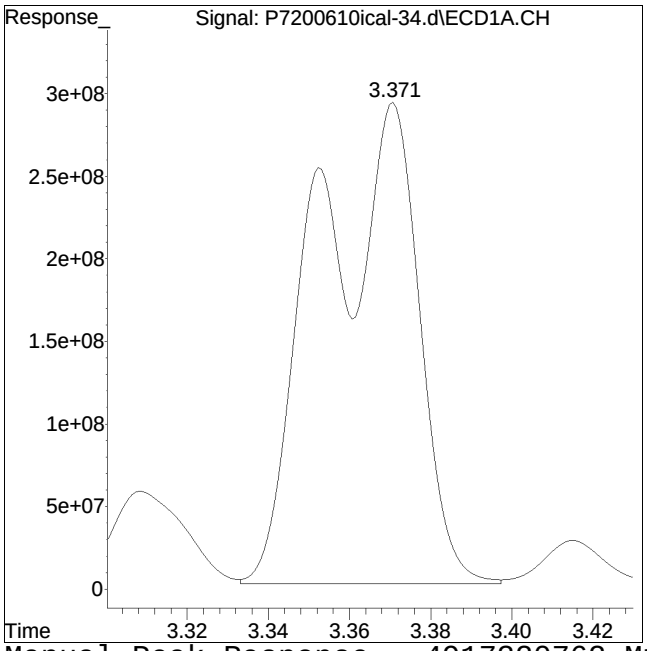
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-34.d
Date Inj'd : 6/11/2020 3:07 am
Sample : il61660,42e,,9810

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 10:50 pm

Compound #6: 1016-3





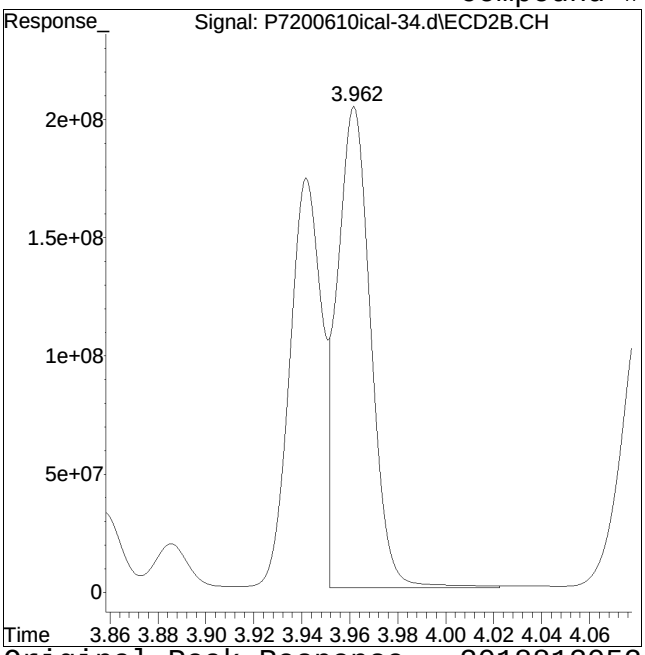
Original Peak Response = 2749830318 Manual Peak Response = 4917320762 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

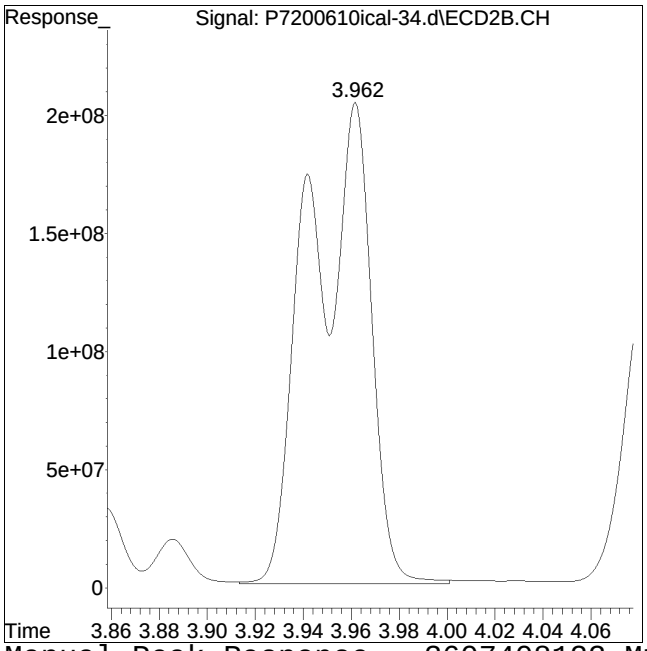
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-34.d
Date Inj'd : 6/11/2020 3:07 am
Sample : il61660,42e,,9810

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 10:50 pm

Compound #57: 1016-3 #2





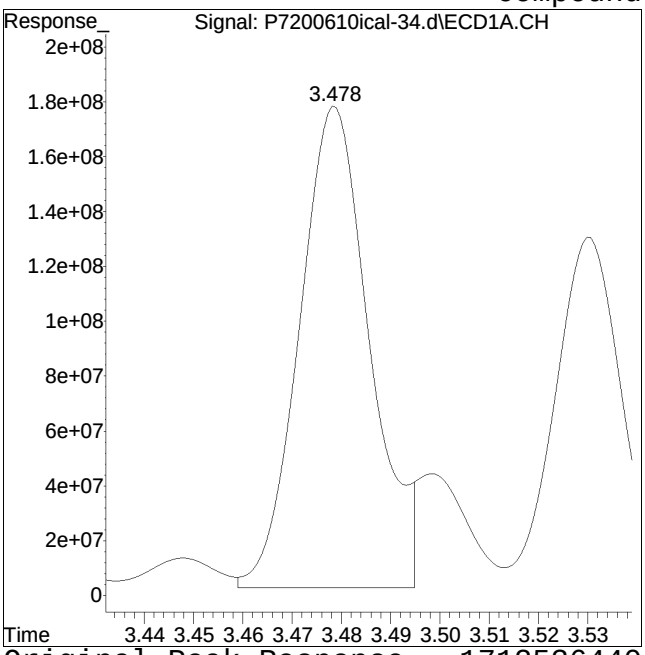
Original Peak Response = 2018813052 Manual Peak Response = 3607408123 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

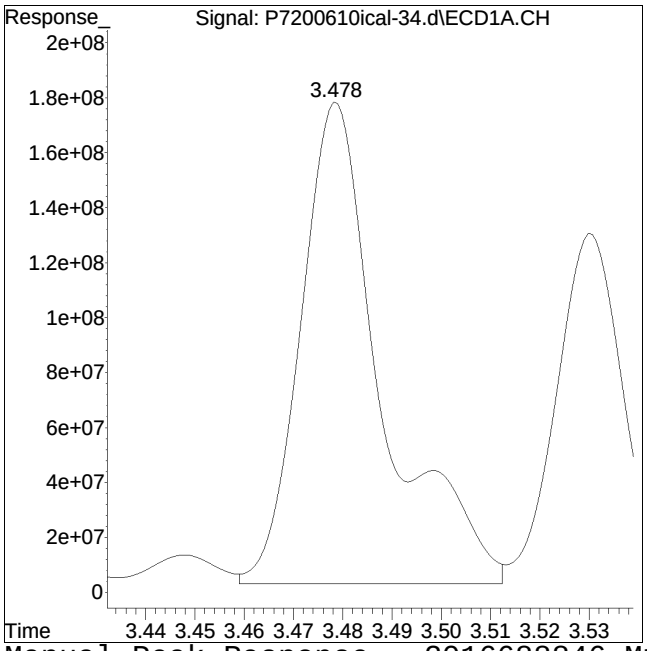
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-34.d
Date Inj'd : 6/11/2020 3:07 am
Sample : il61660,42e,,9810

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 10:50 pm

Compound #7: 1016-4





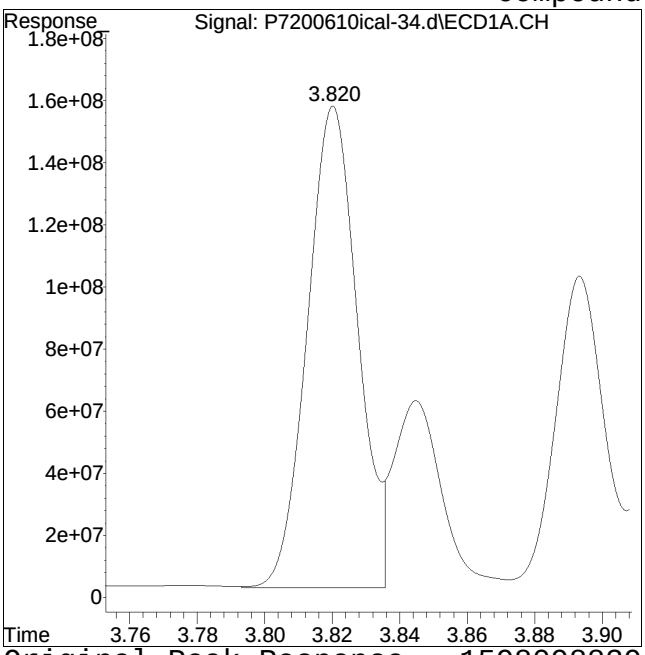
Original Peak Response = 1712536440 Manual Peak Response = 2016688846 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

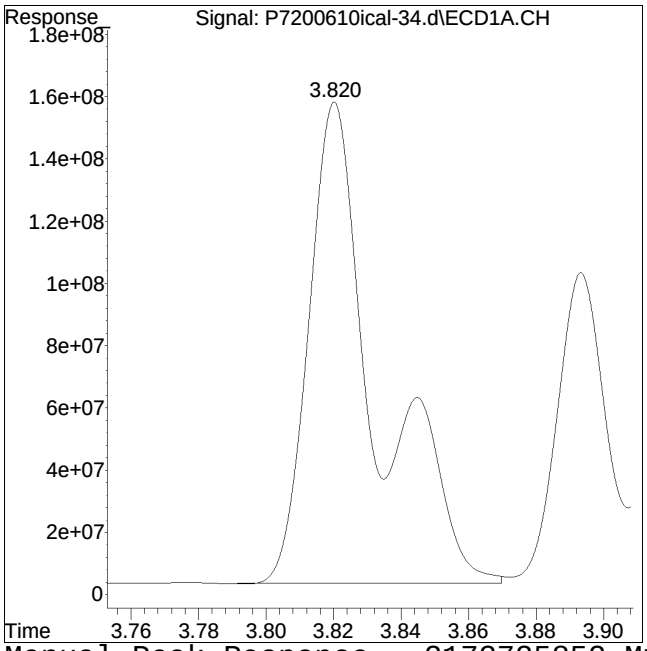
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-34.d
Date Inj'd : 6/11/2020 3:07 am
Sample : il61660,42e,,9810

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 10:50 pm

Compound #8: 1016-5





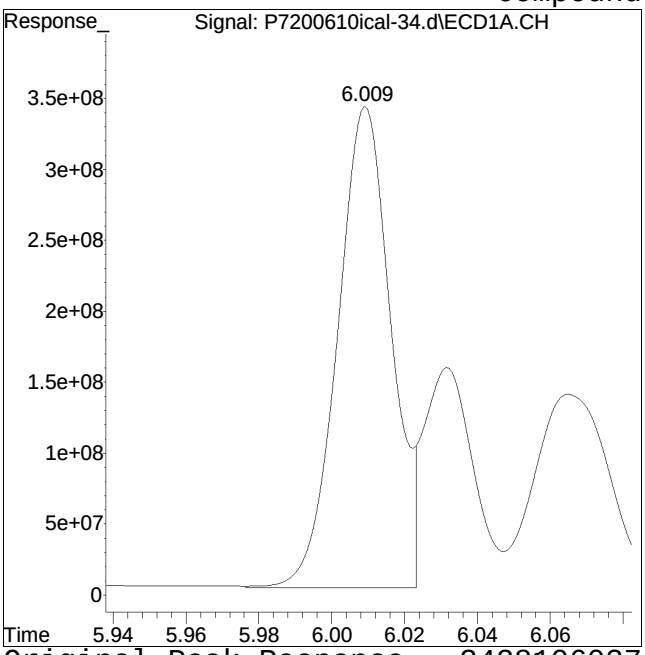
Original Peak Response = 1598098839 Manual Peak Response = 2173725852 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

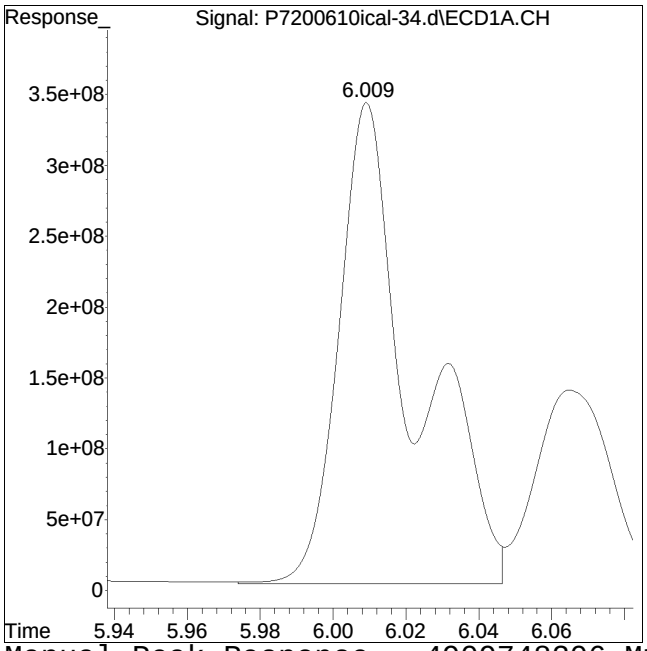
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-34.d
Date Inj'd : 6/11/2020 3:07 am
Sample : il61660,42e,,9810

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/11/2020 10:50 pm

Compound #13: 1260-5





Original Peak Response = 3428106037 Manual Peak Response = 4909748206 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-37.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 11 Jun 2020   3:46 am
Operator : pest7:ht
Sample   : cicv1248,42e,,9819
Misc   : wg1381533, (Sig #1); wg1381511, (Sig #2)
ALS Vial : 35 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 00:05:37 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 00:03:50 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
1	i	1660_1br2nb	250.000	250.000	0.0	108	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen	160.000	155.856	2.6	108	0.00
3	s	Decachlorobiphenyl	320.000	312.247	2.4	112	0.00
14	i	2154_1br2nb	250.000	250.000	0.0	100	0.00
23	i	4268_1br2nb	250.000	250.000	0.0	104	0.10
34	i	1248_1br2nb	250.000	250.000	0.0	98	0.00
35	l7	1248-1	2500.000	2334.066	6.6	96	0.00
36	l7	1248-2	2500.000	2336.331	6.5	98	0.00
37	l7	1248-3	2500.000	2442.352	2.3	100	0.00
38	l7	1248-4	2500.000	2554.630	-2.2	103	0.00
39	l7	1248-5	2500.000	2603.797	-4.2	105	0.00
40	i	3262_1br2nb	250.000	250.000	0.0	102	0.10

Signal #2

1	i	1660_1br2nb	250.000	250.000	0.0	109	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl	160.000	158.512	0.9	109	0.00
3	s	Decachlorobiphenyl	320.000	308.383	3.6	108	0.00
14	i	2154_1br2nb	250.000	250.000	0.0	98	0.00
23	i	4268_1br2nb	250.000	250.000	0.0	104	0.25
34	i	1248_1br2nb	250.000	250.000	0.0	97	0.00
35	l7	1248-1	2500.000	2362.931	5.5	96	0.00
36	l7	1248-2	2500.000	2359.770	5.6	97	0.00

Evaluate Continuing Calibration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-37.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 11 Jun 2020   3:46 am
Operator : pest7:ht
Sample   : cicv1248,42e,,9819
Misc   : wg1381533, (Sig #1); wg1381511, (Sig #2)
ALS Vial : 35 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 00:05:37 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 00:03:50 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
37	l7	1248-3	2500.000	2421.359	3.1	98	0.00
38	l7	1248-4	2500.000	2554.182	-2.2	103	0.00
39	l7	1248-5	2500.000	2529.331	-1.2	103	0.00
40	i	3262_1br2nb	250.000	250.000	0.0	101	0.25

Evaluate Continuing Calibration Report - Not Founds

4	l1	1016-1	2500.000	0.000	100.0#	0	-2.74#
5	l1	1016-2	2500.000	0.000	100.0#	0	-3.00#
6	l1	1016-3	2500.000	0.000	100.0#	0	-3.36#
7	l1	1016-4	2500.000	0.000	100.0#	0	-3.47#
8	l1	1016-5	2500.000	0.000	100.0#	0	-3.81#
9	l2	1260-1	2500.000	0.000	100.0#	0	-4.83#
10	l2	1260-2	2500.000	0.000	100.0#	0	-5.05#
11	l2	1260-3	2500.000	0.000	100.0#	0	-5.55#
12	l2	1260-4	2500.000	0.000	100.0#	0	-5.79#
13	l2	1260-5	2500.000	0.000	100.0#	0	-6.00#
15	l3	1221-2	2500.000	0.000	100.0#	0	-2.60#
16	l3	1221-3	2500.000	0.000	100.0#	0	-2.71#
17	l3	1221-4	2500.000	0.000	100.0#	0	-2.74#
18	l4	1254-1	2500.000	0.000	100.0#	0	-4.13#
19	l4	1254-2	2500.000	0.000	100.0#	0	-4.35#
20	l4	1254-3	2500.000	0.000	100.0#	0	-4.68#
21	l4	1254-4	2500.000	0.000	100.0#	0	-4.91#
22	l4	1254-5	2500.000	0.000	100.0#	0	-5.27#
24	l6	1242-1	2500.000	0.000	100.0#	0	-2.51#
25	l6	1242-2	2500.000	0.000	100.0#	0	-2.72#
26	l6	1242-3	2500.000	0.000	100.0#	0	-3.03#
27	l6	1242-4	2500.000	0.000	100.0#	0	-3.41#
28	l6	1242-5	2500.000	0.000	100.0#	0	-3.73#

Evaluate Continuing Calibration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-37.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 11 Jun 2020   3:46 am
Operator : pest7:ht
Sample   : cicv1248,42e,,9819
Misc   : wg1381533, (Sig #1); wg1381511, (Sig #2)
ALS Vial : 35 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 00:05:37 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 00:03:50 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
29	l9	1268-1	2500.000	0.000	100.0#	0	-5.49#
30	l9	1268-2	2500.000	0.000	100.0#	0	-5.51#
31	l9	1268-3	2500.000	0.000	100.0#	0	-5.65#
32	l9	1268-4	2500.000	0.000	100.0#	0	-5.88#
33	l9	1268-5	2500.000	0.000	100.0#	0	-6.07#
41	l5	1232-1	2500.000	0.000	100.0#	0	-2.51#
42	l5	1232-2	2500.000	0.000	100.0#	0	-2.72#
43	l5	1232-3	2500.000	0.000	100.0#	0	-3.03#
44	l5	1232-4	2500.000	0.000	100.0#	0	-3.41#
45	l5	1232-5	2500.000	0.000	100.0#	0	-3.73#
46	l8	1262-1	2500.000	0.000	100.0#	0	-4.57#
47	l8	1262-2	2500.000	0.000	100.0#	0	-4.87#
48	l8	1262-3	2500.000	0.000	100.0#	0	-5.04#
49	l8	1262-4	2500.000	0.000	100.0#	0	-5.26#
50	l8	1262-5	2500.000	0.000	100.0#	0	-5.88#

Signal #2

4	l1	1016-1	2500.000	0.000	100.0#	0	-3.21#
5	l1	1016-2	2500.000	0.000	100.0#	0	-3.55#
6	l1	1016-3	2500.000	0.000	100.0#	0	-3.96#
7	l1	1016-4	2500.000	0.000	100.0#	0	-4.08#
8	l1	1016-5	2500.000	0.000	100.0#	0	-4.49#
9	l2	1260-1	2500.000	0.000	100.0#	0	-5.54#
10	l2	1260-2	2500.000	0.000	100.0#	0	-5.69#
11	l2	1260-3	2500.000	0.000	100.0#	0	-6.27#
12	l2	1260-4	2500.000	0.000	100.0#	0	-6.44#
13	l2	1260-5	2500.000	0.000	100.0#	0	-6.72#
15	l3	1221-2	2500.000	0.000	100.0#	0	-3.04#
16	l3	1221-3	2500.000	0.000	100.0#	0	-3.15#
17	l3	1221-4	2500.000	0.000	100.0#	0	-3.21#

Evaluate Continuing Calibration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-37.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 11 Jun 2020   3:46 am
Operator : pest7:ht
Sample   : cicv1248,42e,,9819
Misc   : wg1381533, (Sig #1); wg1381511, (Sig #2)
ALS Vial : 35 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 00:05:37 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 00:03:50 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
18 l4	1254-1	2500.000	0.000	100.0#	0	-4.85#
19 l4	1254-2	2500.000	0.000	100.0#	0	-5.00#
20 l4	1254-3	2500.000	0.000	100.0#	0	-5.38#
21 l4	1254-4	2500.000	0.000	100.0#	0	-5.56#
22 l4	1254-5	2500.000	0.000	100.0#	0	-5.98#
24 l6	1242-1	2500.000	0.000	100.0#	0	-2.73#
25 l6	1242-2	2500.000	0.000	100.0#	0	-2.99#
26 l6	1242-3	2500.000	0.000	100.0#	0	-3.32#
27 l6	1242-4	2500.000	0.000	100.0#	0	-3.77#
28 l6	1242-5	2500.000	0.000	100.0#	0	-4.08#
29 l9	1268-1	2500.000	0.000	100.0#	0	-5.86#
30 l9	1268-2	2500.000	0.000	100.0#	0	-5.89#
31 l9	1268-3	2500.000	0.000	100.0#	0	-6.05#
32 l9	1268-4	2500.000	0.000	100.0#	0	-6.24#
33 l9	1268-5	2500.000	0.000	100.0#	0	-6.45#
41 l5	1232-1	2500.000	0.000	100.0#	0	-2.73#
42 l5	1232-2	2500.000	0.000	100.0#	0	-2.99#
43 l5	1232-3	2500.000	0.000	100.0#	0	-3.32#
44 l5	1232-4	2500.000	0.000	100.0#	0	-3.77#
45 l5	1232-5	2500.000	0.000	100.0#	0	-4.08#
46 l8	1262-1	2500.000	0.000	100.0#	0	-4.91#
47 l8	1262-2	2500.000	0.000	100.0#	0	-5.24#
48 l8	1262-3	2500.000	0.000	100.0#	0	-5.44#
49 l8	1262-4	2500.000	0.000	100.0#	0	-5.62#
50 l8	1262-5	2500.000	0.000	100.0#	0	-7.13#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-37.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 3:46 am
Operator : pest7:ht
Sample : cicv1248,42e,,9819
Misc : wg1381533, (Sig #1); wg1381511, (Sig #2)
ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 00:05:37 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 00:03:50 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.961	2.124	1297.3E6	879.6E6	250.000	250.000
14) i	2154_1br2nb	1.961	2.124	1297.3E6	879.6E6	250.000	250.000
23) i	4268_1br2nb	1.961	2.124	1297.3E6	879.6E6	250.000	250.000
34) i	1248_1br2nb	1.961	2.124	1297.3E6	879.6E6	250.000	250.000
40) i	3262_1br2nb	1.961	2.124	1297.3E6	879.6E6	250.000	250.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	2.480	2.808	1048.4E6	756.3E6	155.856	158.512
	Spiked Amount 500.000	Range 30 - 150		Recovery =		31.17%	31.70%
3) s	Decachlorobi	6.789	7.562	1880.4E6	1353.0E6	312.247	308.383
	Spiked Amount 500.000	Range 30 - 150		Recovery =		62.45%	61.68%
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-37.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 3:46 am
Operator : pest7:ht
Sample : cicv1248,42e,,9819
Misc : wg1381533, (Sig #1); wg1381511, (Sig #2)
ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 00:05:37 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 00:03:50 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	3.340	3.939	351.9E6	239.0E6	2334.066	2362.931
36) l7	1248-2	3.613	4.247	438.2E6	307.3E6	2336.331	2359.770
37) l7	1248-3	3.805	4.487	758.2E6	385.3E6	2442.352M1	2421.359
38) l7	1248-4	4.163	4.807	665.3E6	444.4E6	2554.630	2554.182
39) l7	1248-5	4.188	4.848	594.1E6	508.6E6	2603.797	2529.331
Sum	1248-1			2807.7E6	1884.6E6	12271.175	12227.574