PFAS via Draft Method 1633

Semivolatiles QC Summary

Laboratory Control Sample (Low Level) Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Matrix (Level)	: WATER ()		
LCS Sample ID	: WG2012727-2 **Analysis Date** : 12/24/24 11:48	**File ID**	: SCI09_241224_19.wiff2
LCSD Sample ID	: **Analysis Date** :	**File ID**	:

	Laboratory Control Sample (LOW)			Laboratory Control Duplicate (LOW)					
Parameter	**True (ng/l)**	**Found (ng/l)**	**%R**	**True (ng/l)**	**Found (ng/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Perfluorobutanoic Acid (PFBA)	12.8	12.9	101				-	70-140	30
Perfluoropentanoic Acid (PFPeA)	6.4	6.34	99				-	65-135	30
Perfluorobutanesulfonic Acid (PFBS)	2.84	2.78	98				-	60-145	30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	12	11.9	100				-	70-145	30
Perfluorohexanoic Acid (PFHxA)	3.2	3.66	114				-	70-145	30
Perfluoropentanesulfonic Acid (PFPeS)	3.01	3.14	104				-	65-140	30
Perfluoroheptanoic Acid (PFHpA)	3.2	3.81	119				-	70-150	30
Perfluorohexanesulfonic Acid (PFHxS)	2.93	2.53	86				-	65-145	30
Perfluorooctanoic Acid (PFOA)	3.2	3.33	104				-	70-150	30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	12.2	14.4	118				-	65-155	30
Perfluoroheptanesulfonic Acid (PFHpS)	3.05	3.20	105				-	70-150	30
Perfluorononanoic Acid (PFNA)	3.2	3.44	108				-	70-150	30
Perfluorooctanesulfonic Acid	2.97	2.82	95				-	55-150	30

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Matrix (Level)	: WATER ()		
LCS Sample ID	: WG2012727-2 **Analysis Date** : 12/24/24 11:48	**File ID**	: SCI09_241224_19.wiff2
LCSD Sample ID	: **Analysis Date** :	**File ID**	:

	Laboratory Control Sample (LOW)			Laboratory Control Duplicate (LOW)					
Parameter	True (ng/l)	Found (ng/l)	%R	True (ng/l)	Found (ng/l)	%R	RPD	Recovery Limits	RPD Limit
(PFOS)									
Perfluorodecanoic Acid (PFDA)	3.2	3.37	105				-	70-140	30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	12.3	12.6	103				-	60-150	30
Perfluorononanesulfonic Acid (PFNS)	3.08	2.72	88				-	65-145	30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	3.2	3.40	106				-	50-140	30
Perfluoroundecanoic Acid (PFUnA)	3.2	3.22	101				-	70-145	30
Perfluorodecanesulfonic Acid (PFDS)	3.08	2.70	88				-	60-145	30
Perfluorooctanesulfonamide (PFOSA)	3.2	3.07	96				-	70-145	30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	3.2	3.07	96				-	70-145	30
Perfluorododecanoic Acid (PFDoA)	3.2	3.36	105				-	70-140	30
Perfluorotridecanoic Acid (PFTrDA)	3.2	3.21	100				-	65-140	30

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Matrix (Level)	: WATER ()		
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LCSD Sample ID	: **Analysis Date** :	**File ID**	:

	Laboratory Control Sample (LOW)			Laboratory Control Duplicate (LOW)					
Parameter	**True (ng/l)**	**Found (ng/l)**	**%R**	**True (ng/l)**	**Found (ng/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Perfluorotetradecanoic Acid (PFTeDA)	3.2	3.36	105				-	60-140	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	12.8	13.2	103				-	70-140	30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	12.1	14.0	116				-	65-145	30
Perfluorododecanesulfonic Acid (PFDoS)	3.11	2.81	90				-	50-145	30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	11.9	13.6	114				-	70-155	30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	12.1	13.6	112				-	55-160	30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	3.2	3.27	102				-	60-150	30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	3.2	3.10	97				-	65-145	30
N-Methyl Perfluorooctanesulfonami	32	32.3	101				-	70-145	30

Laboratory Control Sample (Low Level) Summary
Form 3
Semivolatiles

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Matrix (Level)	: WATER ()		
LCS Sample ID	: WG2012727-2 **Analysis Date** : 12/24/24 11:48	**File ID**	: SCI09_241224_19.wiff2
LCSD Sample ID	: **Analysis Date** :	**File ID**	:

	Laboratory Control Sample (LOW)			Laboratory Control Duplicate (LOW)					
Parameter	True (ng/l)	Found (ng/l)	%R	True (ng/l)	Found (ng/l)	%R	RPD	Recovery Limits	RPD Limit
do Ethanol (NMeFOSE)									
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	32	33.4	104				-	70-135	30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	6.4	6.18	96				-	55-140	30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	6.4	6.14	96				-	60-150	30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	5.71	5.71	100				-	70-140	30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	6.4	7.19	112				-	50-150	30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	16	19.4	122				-	65-130	30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	80	89.5	112				-	70-135	30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	80	76.6	96				-	50-145	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Matrix (Level)	: WATER ()		
LCS Sample ID	: WG2012727-3 **Analysis Date** : 12/23/24 22:39	**File ID**	: SCI09_241223_21.wiff2
LCSD Sample ID	: **Analysis Date** :	**File ID**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (ng/l)**	**Found (ng/l)**	**%R**	**True (ng/l)**	**Found (ng/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Perfluorobutanoic Acid (PFBA)	80	79.3	99				-	70-140	30
Perfluoropentanoic Acid (PFPeA)	40	41.0	102				-	65-135	30
Perfluorobutanesulfonic Acid (PFBS)	17.8	17.6	99				-	60-145	30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	75	71.6	95				-	70-145	30
Perfluorohexanoic Acid (PFHxA)	20	23.5	118				-	70-145	30
Perfluoropentanesulfonic Acid (PFPeS)	18.8	18.4	98				-	65-140	30
Perfluoroheptanoic Acid (PFHpA)	20	22.6	113				-	70-150	30
Perfluorohexanesulfonic Acid (PFHxS)	18.3	16.0	87				-	65-145	30
Perfluorooctanoic Acid (PFOA)	20	18.8	94				-	70-150	30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	76.1	76.3	100				-	65-155	30
Perfluoroheptanesulfonic Acid (PFHpS)	19	19.5	102				-	70-150	30
Perfluorononanoic Acid (PFNA)	20	20.4	102				-	70-150	30
Perfluorooctanesulfonic Acid	18.6	17.1	92				-	55-150	30

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Matrix (Level)	: WATER ()		
LCS Sample ID	: WG2012727-3 **Analysis Date** : 12/23/24 22:39	**File ID**	: SCI09_241223_21.wiff2
LCSD Sample ID	: **Analysis Date** :	**File ID**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ng/l)	Found (ng/l)	%R	True (ng/l)	Found (ng/l)	%R	RPD	Recovery Limits	RPD Limit
(PFOS)									
Perfluorodecanoic Acid (PFDA)	20	19.3	97				-	70-140	30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	76.8	78.8	102				-	60-150	30
Perfluorononanesulfonic Acid (PFNS)	19.3	17.8	92				-	65-145	30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	20	18.8	94				-	50-140	30
Perfluoroundecanoic Acid (PFUnA)	20	18.3	92				-	70-145	30
Perfluorodecanesulfonic Acid (PFDS)	19.3	15.4	80				-	60-145	30
Perfluorooctanesulfonamide (PFOSA)	20	18.0	90				-	70-145	30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	20	19.0	95				-	70-145	30
Perfluorododecanoic Acid (PFDoA)	20	20.2	101				-	70-140	30
Perfluorotridecanoic Acid (PFTrDA)	20	20.0	100				-	65-140	30

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LCS Sample ID	: WG2012727-3 **Analysis Date** : 12/23/24 22:39	**File ID**	: SCI09_241223_21.wiff2
LCSD Sample ID	: **Analysis Date** :	**File ID**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ng/l)	Found (ng/l)	%R	True (ng/l)	Found (ng/l)	%R	RPD	Recovery Limits	RPD Limit
Perfluorotetradecanoic Acid (PFTeDA)	20	18.2	91				-	60-140	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	80	79.3	99				-	70-140	30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	75.6	81.8	108				-	65-145	30
Perfluorododecanesulfonic Acid (PFDoS)	19.4	15.1	78				-	50-145	30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	74.6	80.9	108				-	70-155	30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	75.4	73.0	97				-	55-160	30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	20	13.6	68				-	60-150	30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	20	13.7	68				-	65-145	30
N-Methyl Perfluorooctanesulfonami	200	174	87				-	70-145	30

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LCS Sample ID	: WG2012727-3 **Analysis Date** : 12/23/24 22:39	**File ID**	: SCI09_241223_21.wiff2
LCSD Sample ID	: **Analysis Date** :	**File ID**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ng/l)	Found (ng/l)	%R	True (ng/l)	Found (ng/l)	%R	RPD	Recovery Limits	RPD Limit
do Ethanol (NMeFOSE)									
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	200	185	92				-	70-135	30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	40	36.5	91				-	55-140	30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	40	38.2	95				-	60-150	30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	35.7	40.7	114				-	70-140	30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	40	49.4	123				-	50-150	30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	100	130	130				-	65-130	30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	500	489	98				-	70-135	30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	500	324	65				-	50-145	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Client Sample ID	: MW-5S	Matrix (Level)	: WATER ()
Lab Sample ID	: L2467934-05	Analysis Date	: 12/23/24 22:57
Matrix Spike	: WG2012727-4	MS Analysis Date	: 12/23/24 23:05
Matrix Spike Dup	: WG2012727-5	MSD Analysis Date	: 12/23/24 23:14

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ng/l)	Spike Added (ng/l)	Spike Conc. (ng/l)	%R	Spike Added (ng/l)	Spike Conc. (ng/l)	%R	RPD	Recovery Limits	RPD Limit
Perfluorobutanoic Acid (PFBA)	0.542J	75.2	77.4	102	72.6	77.8	106	1	70-140	30
Perfluoropentanoic Acid (PFPeA)	ND	37.6	39.3	105	36.3	39.4	109	0	65-135	30
Perfluorobutanesulfonic Acid (PFBS)	ND	16.7	14.7	88	16.1	16.1	100	9	60-145	30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	70.5	66.4	94	68	70.5	104	6	70-145	30
Perfluorohexanoic Acid (PFHxA)	0.346J	18.8	19.9	104	18.1	21.3	115	7	70-145	30
Perfluoropentanesulfonic Acid (PFPeS)	ND	17.7	16.6	94	17	18.1	106	9	65-140	30
Perfluoroheptanoic Acid (PFHpA)	ND	18.8	20.2	107	18.1	19.2	106	5	70-150	30
Perfluorohexanesulfonic Acid (PFHxS)	0.754J	17.2	16.1	89	16.6	16.4	94	2	65-145	30
Perfluorooctanoic Acid (PFOA)	1.26J	18.8	19.3	96	18.1	20.0	103	4	70-150	30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	71.5	69.8	98	69	76.1	110	9	65-155	30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	17.9	20.1	112	17.3	20.4	118	1	70-150	30
Perfluorononanoic Acid (PFNA)	ND	18.8	17.6	94	18.1	19.0	105	8	70-150	30
Perfluorooctanesulfonic Acid (PFOS)	1.40J	17.4	14.8	77	16.8	16.4	89	10	55-150	30
Perfluorodecanoic Acid (PFDA)	ND	18.8	14.3	76	18.1	16.4	90	14	70-140	30
1H,1H,2H,2H-Perfluorodecanesulfon	ND	72.2	54.2	75	69.7	66.5	96	20	60-150	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Client Sample ID	: MW-5S	Matrix (Level)	: WATER ()
Lab Sample ID	: L2467934-05	Analysis Date	: 12/23/24 22:57
Matrix Spike	: WG2012727-4	MS Analysis Date	: 12/23/24 23:05
Matrix Spike Dup	: WG2012727-5	MSD Analysis Date	: 12/23/24 23:14

		Matrix Spike Sample				Matrix Spike Duplicate						
Parameter	Sample Conc. (ng/l)	Spike Added (ng/l)	Spike Conc. (ng/l)	%R		Spike Added (ng/l)	Spike Conc. (ng/l)	%R	RPD		Recovery Limits	RPD Limit
ic Acid (8:2FTS)												
Perfluorononanesulfonic Acid (PFNS)	ND	18.1	10.2	56	Q	17.5	12.8	73	23		65-145	30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	18.8	9.92	53		18.1	16.7	92	51	Q	50-140	30
Perfluoroundecanoic Acid (PFUnA)	ND	18.8	10.3	55	Q	18.1	15.5	85	40	Q	70-145	30
Perfluorodecanesulfonic Acid (PFDS)	ND	18.1	7.51	41	Q	17.5	11.7	67	44	Q	60-145	30
Perfluorooctanesulfonamide (PFOSA)	ND	18.8	10.3	55	Q	18.1	14.4	79	33	Q	70-145	30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	18.8	13.9	74		18.1	16.2	89	15		70-145	30
Perfluorododecanoic Acid (PFDoA)	ND	18.8	10.2	54	Q	18.1	14.4	79	34	Q	70-140	30
Perfluorotridecanoic Acid (PFTrDA)	ND	18.8	9.75	52	Q	18.1	14.4	79	39	Q	65-140	30
Perfluorotetradecanoic Acid (PFTeDA)	ND	18.8	10.8	57	Q	18.1	13.6	75	23		60-140	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	75.2	75.6	101		72.6	79.7	110	5		70-140	30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	71.1	78.8	111		68.6	68.7	100	14		65-145	30
Perfluorododecanesulfonic Acid	ND	18.3	7.87	43	Q	17.6	10.4	59	28		50-145	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Client Sample ID	: MW-5S	Matrix (Level)	: WATER ()
Lab Sample ID	: L2467934-05	Analysis Date	: 12/23/24 22:57
Matrix Spike	: WG2012727-4	MS Analysis Date	: 12/23/24 23:05
Matrix Spike Dup	: WG2012727-5	MSD Analysis Date	: 12/23/24 23:14

		Matrix Spike Sample				Matrix Spike Duplicate					
Parameter	Sample Conc. (ng/l)	Spike Added (ng/l)	Spike Conc. (ng/l)	%R		Spike Added (ng/l)	Spike Conc. (ng/l)	%R	RPD	Recovery Limits	RPD Limit
(PFDoS)											
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	70.2	54.6	78		67.7	69.5	103	24	70-155	30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	70.9	36.8	52	Q	68.4	53.0	77	36 Q	55-160	30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	18.8	10.2	54	Q	18.1	13.1	72	25	60-150	30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	18.8	10.7	57	Q	18.1	13.9	77	26	65-145	30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	188	95.3	51	Q	181	146	80	42 Q	70-145	30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	188	104	55	Q	181	159	88	42 Q	70-135	30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	37.6	39.2	104		36.3	41.4	114	5	55-140	30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	37.6	35.7	95		36.3	36.2	100	1	60-150	30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	33.5	36.8	110		32.4	38.1	118	3	70-140	30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	37.6	43.6	116		36.3	42.2	116	3	50-150	30
3-Perfluoropropyl Propanoic Acid	ND	94	117	124		90.7	123	136 Q	5	65-130	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Client Sample ID	: MW-5S	Matrix (Level)	: WATER ()
Lab Sample ID	: L2467934-05	Analysis Date	: 12/23/24 22:57
Matrix Spike	: WG2012727-4	MS Analysis Date	: 12/23/24 23:05
Matrix Spike Dup	: WG2012727-5	MSD Analysis Date	: 12/23/24 23:14

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ng/l)	Spike Added (ng/l)	Spike Conc. (ng/l)	%R	Spike Added (ng/l)	Spike Conc. (ng/l)	%R	RPD	Recovery Limits	RPD Limit
(3:3FTCA)										
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND	470	487	104	454	454	100	7	70-135	30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND	470	282	60	454	312	69	10	50-145	30

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: Alpha Geoscience
Project Name: HUNTINGTON READY MIXED

Lab Number: L2467934
Project Number: 20116
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S1 ()	S2 ()	S3 ()	S4 ()	S5 ()	S6 ()	S7 ()
MW-1S (L2467934-01)	72	85	90	228*	101	124	93
MW-5S (L2467934-05)	95	103	98	99	96	117	95
MW-7S (L2467934-07)	88	85	90	203*	98	110	86
MW-8S (L2467934-08)	66	61	64	128	61	82	61
DUP (L2467934-09)	69	67	67	148	70	84	67
FIELD BLANK (L2467934-10)	86	91	85	77	83	102	80
WG2012727-1BLANK	97	99	101	92	85	95	99
WG2012727-2LCS	85	93	90	83	80	74	87
WG2012727-3LCS	92	99	94	90	85	83	101
MW-5SMS	90	97	95	97	87	88	94
MW-5SMSD	94	89	104	104	82	87	95

QC LIMITS

(5-130) S1 = PERFLUORO[13C4]BUTANOIC ACID (MPFBA)
(40-130) S2 = PERFLUORO[13C5]PENTANOIC ACID (M5PFPEA)
(40-135) S3 = PERFLUORO[2,3,4-13C3]BUTANESULFONIC ACID (M3PFBS)
(40-200) S4 = 1H,1H,2H,2H-PERFLUORO[1,2-13C2]HEXANESULFONIC ACID (M2-4:2FTS)
(40-130) S5 = PERFLUORO[1,2,3,4,6-13C5]HEXANOIC ACID (M5PFHXA)
(40-130) S6 = PERFLUORO[1,2,3,4-13C4]HEPTANOIC ACID (M4PFHPA)
(40-130) S7 = PERFLUORO[1,2,3-13C3]HEXANESULFONIC ACID (M3PFHXS)

*** Values outside of QC limits**

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: Alpha Geoscience
Project Name: HUNTINGTON READY MIXED

Lab Number: L2467934
Project Number: 20116
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S8 ()	S9 ()	S10 ()	S11 ()	S12 ()	S13 ()	S14 ()
MW-1S (L2467934-01)	67	349*	84	79	80	202	107
MW-5S (L2467934-05)	91	98	89	84	82	62	69
MW-7S (L2467934-07)	76	203*	86	88	85	110	86
MW-8S (L2467934-08)	56	111	61	64	62	64	60
DUP (L2467934-09)	58	147	61	63	68	75	60
FIELD BLANK (L2467934-10)	91	76	82	84	76	55	67
WG2012727-1BLANK	91	92	87	99	91	72	79
WG2012727-2LCS	87	78	84	79	86	61	68
WG2012727-3LCS	101	88	97	94	92	66	75
MW-5SMS	89	93	87	79	75	57	61
MW-5SMSD	98	96	94	83	86	62	64

QC LIMITS

(40-130) S8 = PERFLUORO[13C8]OCTANOIC ACID (M8PFOA)
(40-200) S9 = 1H,1H,2H,2H-PERFLUORO[1,2-13C2]OCTANESULFONIC ACID (M2-6:2FTS)
(40-130) S10 = PERFLUORO[13C9]NONANOIC ACID (M9PFNA)
(40-130) S11 = PERFLUORO[13C8]OCTANESULFONIC ACID (M8PFOS)
(40-130) S12 = PERFLUORO[1,2,3,4,5,6-13C6]DECANOIC ACID (M6PFDA)
(40-300) S13 = 1H,1H,2H,2H-PERFLUORO[1,2-13C2]DECANESULFONIC ACID (M2-8:2FTS)
(40-170) S14 = N-DEUTERIOMETHYLPERFLUORO-1-OCTANESULFONAMIDOACETIC ACID (D3-NMEFOSAA)

*** Values outside of QC limits**

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: Alpha Geoscience
Project Name: HUNTINGTON READY MIXED

Lab Number: L2467934
Project Number: 20116
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S15 ()	S16 ()	S17 ()	S18 ()	S19 ()	S20 ()	S21 ()
MW-1S (L2467934-01)	74	76	85	68	59	100	56
MW-5S (L2467934-05)	78	74	58	69	65	104	55
MW-7S (L2467934-07)	80	63	67	70	60	93	64
MW-8S (L2467934-08)	69	52	52	56	46	61	51
DUP (L2467934-09)	61	54	49	56	49	74	51
FIELD BLANK (L2467934-10)	80	80	56	68	63	87	70
WG2012727-1BLANK	87	91	63	85	81	92	49
WG2012727-2LCS	83	80	63	78	73	84	55
WG2012727-3LCS	81	90	65	77	78	97	64
MW-5SMS	70	70	47	65	60	101	70
MW-5SMSD	77	73	54	68	67	92	65

QC LIMITS

(30-130) S15 = PERFLUORO[1,2,3,4,5,6,7-13C7]UNDECANOIC ACID (M7-PFUDA)
(40-130) S16 = PERFLUORO[13C8]OCTANESULFONAMIDE (M8FOSA)
(25-135) S17 = N-DEUTERIOETHYLPERFLUORO-1-OCTANESULFONAMIDOACETIC ACID (D5-NETFOSAA)
(10-130) S18 = PERFLUORO[1,2-13C2]DODECANOIC ACID (MPFDOA)
(10-130) S19 = PERFLUORO[1,2-13C2]TETRADECANOIC ACID (M2PFTEDA)
(40-130) S20 = 2,3,3,3-TETRAFLUORO-2-[1,1,2,2,3,3,3-HEPTAFLUOROPROPOXY]-13C3-PROPANOIC ACID (M3HFPO-DA)
(10-130) S21 = N-METHYL-D3-PERFLUORO-1-OCTANESULFONAMIDE (D3-NMEFOSA)

*** Values outside of QC limits**

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: Alpha Geoscience
Project Name: HUNTINGTON READY MIXED

Lab Number: L2467934
Project Number: 20116
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S22 ()	S23 ()	S24 ()	S25 ()	S26 ()	S27 ()	S28 ()	TOT OUT
MW-1S (L2467934-01)	53	61	57	--	--	--	--	2
MW-5S (L2467934-05)	62	80	81	--	--	--	--	0
MW-7S (L2467934-07)	63	76	76	--	--	--	--	2
MW-8S (L2467934-08)	55	62	62	--	--	--	--	0
DUP (L2467934-09)	52	59	60	--	--	--	--	0
FIELD BLANK (L2467934-10)	75	86	85	--	--	--	--	0
WG2012727-1BLANK	50	85	83	--	--	--	--	0
WG2012727-2LCS	60	84	85	--	--	--	--	0
WG2012727-3LCS	70	95	95	--	--	--	--	0
MW-5SMS	67	79	77	--	--	--	--	0
MW-5SMSD	62	78	76	--	--	--	--	0

QC LIMITS

(10-130) S22 = N-ETHYL-D5-PERFLUORO-1-OCTANESULFONAMIDE (D5-NETFOSA)
(10-130) S23 = 2-(N-METHYL-D3-PERFLUORO-1-OCTANESULFONAMIDO)ETHAN-D4-OL (D7-NMEFOSE)
(10-130) S24 = 2-(N-ETHYL-D5-PERFLUORO-1-OCTANESULFONAMIDO)ETHAN-D4-OL (D9-NETFOSE)

*** Values outside of QC limits**

FORM II A2-NY-1633 (Continued)

Method Blank Summary
Form 4
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab Sample ID	: WG2012727-1	**Lab File ID**	: SCI09_241223_19.wiff2
Instrument ID	: LCMS09	**Extraction Date**	: 12/23/24
Matrix	: WATER	**Analysis Date**	: 12/23/24 22:21
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG2012727-3LCS	WG2012727-3	12/23/24 22:39
MW-1S	L2467934-01	12/23/24 22:48
MW-5S	L2467934-05	12/23/24 22:57
MW-5SMS	WG2012727-4	12/23/24 23:05
MW-5SMSD	WG2012727-5	12/23/24 23:14
MW-7S	L2467934-07	12/23/24 23:23
MW-8S	L2467934-08	12/23/24 23:32
DUP	L2467934-09	12/23/24 23:41
FIELD BLANK	L2467934-10	12/23/24 23:50
WG2012727-2LCS	WG2012727-2R	12/24/24 11:48

Date Created: 11/21/24
Created By: Jason Hebert
File: PM18019-1
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PFAAs via EPA 1633 (WATER)

Holding Time: 28 days
Container/Sample Preservation: 2 - Plastic 500ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Perfluorobutanoic Acid (PFBA)	375-22-4	6.4	2.14	ng/l	70-140	30	70-140	30	30			
Perfluoropentanoic Acid (PFPeA)	2706-90-3	3.2	1.06	ng/l	65-135	30	65-135	30	30			
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	1.6	0.536	ng/l	60-145	30	60-145	30	30			
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	757124-72-4	6.4	2.14	ng/l	70-145	30	70-145	30	30			
Perfluorohexanoic Acid (PFHxA)	307-24-4	1.6	0.536	ng/l	70-145	30	70-145	30	30			
Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	1.6	0.536	ng/l	65-140	30	65-140	30	30			
Perfluoroheptanoic Acid (PFHpA)	375-85-9	1.6	0.536	ng/l	70-150	30	70-150	30	30			
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	1.6	0.536	ng/l	65-145	30	65-145	30	30			
Perfluorooctanoic Acid (PFOA)	335-67-1	1.6	0.536	ng/l	70-150	30	70-150	30	30			
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	27619-97-2	6.4	4.82	ng/l	65-155	30	65-155	30	30			
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	1.6	0.536	ng/l	70-150	30	70-150	30	30			
Perfluorononanoic Acid (PFNA)	375-95-1	1.6	0.536	ng/l	70-150	30	70-150	30	30			
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	1.6	0.536	ng/l	55-150	30	55-150	30	30			
Perfluorodecanoic Acid (PFDA)	335-76-2	1.6	0.536	ng/l	70-140	30	70-140	30	30			
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	39108-34-4	6.4	2.14	ng/l	60-150	30	60-150	30	30			
Perfluorononanesulfonic Acid (PFNS)	68259-12-1	1.6	0.536	ng/l	65-145	30	65-145	30	30			
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA	2355-31-9	1.6	0.536	ng/l	50-140	30	50-140	30	30			
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	1.6	0.536	ng/l	70-145	30	70-145	30	30			
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	1.6	0.536	ng/l	60-145	30	60-145	30	30			
Perfluorooctanesulfonamide (FOSA)	754-91-6	1.6	0.536	ng/l	70-145	30	70-145	30	30			
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	2991-50-6	1.6	0.536	ng/l	70-145	30	70-145	30	30			
Perfluorododecanoic Acid (PFDoA)	307-55-1	1.6	0.536	ng/l	70-140	30	70-140	30	30			
Perfluorotridecanoic Acid (PFTrDA)	72629-94-8	1.6	0.536	ng/l	65-140	30	65-140	30	30			
Perfluorotetradecanoic Acid (PFTA)	376-06-7	1.6	0.536	ng/l	60-140	30	60-140	30	30			
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Pro	13252-13-6	6.4	2.14	ng/l	70-140	30	70-140	30	30			
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	919005-14-4	6.4	2.14	ng/l	65-145	30	65-145	30	30			
Perfluorododecane Sulfonic Acid (PFDoDS)	79780-39-5	1.6	0.536	ng/l	50-145	30	50-145	30	30			
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3	756426-58-1	6.4	2.14	ng/l	70-155	30	70-155	30	30			
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-	763051-92-9	6.4	2.14	ng/l	55-160	30	55-160	30	30			
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	31506-32-8	1.6	0.536	ng/l	60-150	30	60-150	30	30			
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	4151-50-2	1.6	0.536	ng/l	65-145	30	65-145	30	30			
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	24448-09-7	16	5.36	ng/l	70-145	30	70-145	30	30			
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	1691-99-2	16	5.36	ng/l	70-135	30	70-135	30	30			
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	377-73-1	3.2	1.06	ng/l	55-140	30	55-140	30	30			
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	863090-89-5	3.2	1.06	ng/l	60-150	30	60-150	30	30			
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	113507-82-7	3.2	1.06	ng/l	70-140	30	70-140	30	30			
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	151772-58-6	3.2	1.06	ng/l	50-150	30	50-150	30	30			
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	356-02-5	8	2.66	ng/l	65-130	30	65-130	30	30			
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	914637-49-3	40	13.4	ng/l	70-135	30	70-135	30	30			
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	812-70-4	40	13.4	ng/l	50-145	30	50-145	30	30			
Perfluoro[13C4]Butanoic Acid (MPFBA)	*NONE*									*5-130*		
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	*NONE*									*40-130*		

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 the laboratory.

Date Created: 11/21/24
Created By: Jason Hebert
File: PM18019-1
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PFAAs via EPA 1633 (WATER)

Holding Time: 28 days
Container/Sample Preservation: 2 - Plastic 500ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	*NONE*									*40-135*		
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4	*NONE*									*40-200*		
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	*NONE*									*40-130*		
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	*NONE*									*40-130*		
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	*NONE*									*40-130*		
Perfluoro[13C8]Octanoic Acid (M8PFOA)	*NONE*									*40-130*		
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:	*NONE*									*40-200*		
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	*NONE*									*40-130*		
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	*NONE*									*40-130*		
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	*NONE*									*40-130*		
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8	*NONE*									*40-300*		
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (	*NONE*									*40-170*		
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	*NONE*									*30-130*		
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	*NONE*									*40-130*		
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5	*NONE*									*25-135*		
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	*NONE*									*10-130*		
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	*NONE*									*10-130*		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-13	*NONE*									*40-130*		
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (d3-NMeFOSA)	*NONE*									*10-130*		
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (d5-NEtFOSA)	*NONE*									*10-130*		
2-(N-Methyl-d3-Perfluoro-1-Octanesulfonamido)ethan-d4-ol	*1265205-95-5*									*10-130*		
2-(N-Ethyl-d5-Perfluoro-1-Octanesulfonamido)ethan-d4-ol (d	*NONE*									*10-130*		

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 the laboratory.

Date Created: 11/21/24
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PFAAs via EPA 1633 (SOIL)

Holding Time: 90 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	0.8	0.266	ng/g	70-140	30	70-140	30	30			
Perfluoropentanoic Acid (PFPeA)	2706-90-3	0.4	0.134	ng/g	60-150	30	60-150	30	30			
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	0.2	0.067	ng/g	65-145	30	65-145	30	30			
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	757124-72-4	0.8	0.266	ng/g	60-150	30	60-150	30	30			
Perfluorohexanoic Acid (PFHxA)	307-24-4	0.2	0.067	ng/g	65-140	30	65-140	30	30			
Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	0.2	0.067	ng/g	55-160	30	55-160	30	30			
Perfluoroheptanoic Acid (PFHpA)	375-85-9	0.2	0.067	ng/g	65-145	30	65-145	30	30			
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	0.2	0.067	ng/g	60-150	30	60-150	30	30			
Perfluorooctanoic Acid (PFOA)	335-67-1	0.2	0.067	ng/g	70-150	30	70-150	30	30			
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	27619-97-2	0.8	0.266	ng/g	55-200	30	55-200	30	30			
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	0.2	0.067	ng/g	65-155	30	65-155	30	30			
Perfluorononanoic Acid (PFNA)	375-95-1	0.2	0.067	ng/g	70-155	30	70-155	30	30			
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	0.2	0.067	ng/g	65-160	30	65-160	30	30			
Perfluorodecanoic Acid (PFDA)	335-76-2	0.2	0.067	ng/g	70-155	30	70-155	30	30			
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	39108-34-4	0.8	0.266	ng/g	70-150	30	70-150	30	30			
Perfluorononanesulfonic Acid (PFNS)	68259-12-1	0.2	0.067	ng/g	55-140	30	55-140	30	30			
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA	2355-31-9	0.2	0.086	ng/g	65-155	30	65-155	30	30			
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	0.2	0.067	ng/g	70-155	30	70-155	30	30			
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	0.2	0.067	ng/g	40-155	30	40-155	30	30			
Perfluorooctanesulfonamide (FOSA)	754-91-6	0.2	0.067	ng/g	70-140	30	70-140	30	30			
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	2991-50-6	0.2	0.067	ng/g	65-165	30	65-165	30	30			
Perfluorododecanoic Acid (PFDoA)	307-55-1	0.2	0.067	ng/g	70-150	30	70-150	30	30			
Perfluorotridecanoic Acid (PFTrDA)	72629-94-8	0.2	0.067	ng/g	65-150	30	65-150	30	30			
Perfluorotetradecanoic Acid (PFTA)	376-06-7	0.2	0.067	ng/g	65-150	30	65-150	30	30			
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Pro	13252-13-6	0.8	0.266	ng/g	70-145	30	70-145	30	30			
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	919005-14-4	0.8	0.266	ng/g	70-160	30	70-160	30	30			
Perfluorododecane Sulfonic Acid (PFDoDS)	79780-39-5	0.2	0.067	ng/g	25-160	30	25-160	30	30			
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3	756426-58-1	0.8	0.266	ng/g	70-150	30	70-150	30	30			
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-	763051-92-9	0.8	0.266	ng/g	45-160	30	45-160	30	30			
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	31506-32-8	0.2	0.067	ng/g	70-155	30	70-155	30	30			
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	4151-50-2	0.2	0.067	ng/g	70-140	30	70-140	30	30			
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	24448-09-7	2	0.666	ng/g	70-140	30	70-140	30	30			
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	1691-99-2	2	0.666	ng/g	70-135	30	70-135	30	30			
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	377-73-1	0.4	0.134	ng/g	30-140	30	30-140	30	30			
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	863090-89-5	0.4	0.134	ng/g	60-150	30	60-150	30	30			
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	113507-82-7	0.4	0.134	ng/g	70-140	30	70-140	30	30			
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	151772-58-6	0.4	0.134	ng/g	60-155	30	60-155	30	30			
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	356-02-5	1	0.334	ng/g	45-130	30	45-130	30	30			
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	914637-49-3	5	1.664	ng/g	60-130	30	60-130	30	30			
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	812-70-4	5	1.664	ng/g	60-150	30	60-150	30	30			
Perfluoro[13C4]Butanoic Acid (MPFBA)	*NONE*									*8-130*		
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	*NONE*									*35-130*		

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 the laboratory.

Date Created: 11/21/24
Created By: Jason Hebert
File: PM18021-1

PFAAs via EPA 1633 (SOIL)

Holding Time: 90 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[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	*NONE*									*40-135*		
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4	*NONE*									*40-165*		
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	*NONE*									*40-130*		
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	*NONE*									*40-130*		
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	*NONE*									*40-130*		
Perfluoro[13C8]Octanoic Acid (M8PFOA)	*NONE*									*40-130*		
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:	*NONE*									*40-215*		
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	*NONE*									*40-130*		
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	*NONE*									*40-130*		
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	*NONE*									*40-130*		
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8	*NONE*									*40-275*		
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (	*NONE*									*40-135*		
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	*NONE*									*40-130*		
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	*NONE*									*40-130*		
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5	*NONE*									*40-150*		
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	*NONE*									*40-130*		
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	*NONE*									*20-130*		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-13	*NONE*									*40-130*		
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (d3-NMeFOSA)	*NONE*									*10-130*		
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (d5-NEtFOSA)	*NONE*									*10-130*		
2-(N-Methyl-d3-Perfluoro-1-Octanesulfonamido)ethan-d4-ol	*1265205-95-5*									*20-130*		
2-(N-Ethyl-d5-Perfluoro-1-Octanesulfonamido)ethan-d4-ol (d	*NONE*									*15-130*		

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 the laboratory.

Semivolatile Sample Data

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-01	**Date Collected**	: 11/18/24 15:46
Client ID	: MW-1S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 12/23/24 22:48
Sample Matrix	: WATER	**Date Extracted**	: 12/23/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI09_241223_22	**Analyst**	: JW
Sample Amount	: 522.04 g	**Instrument ID**	: LCMS09
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
375-22-4	Perfluorobutanoic Acid (PFBA)	12.4	6.13	0.506	
2706-90-3	Perfluoropentanoic Acid (PFPeA)	13.9	3.06	0.345	
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	2.93	1.53	0.383	
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	6.13	0.873	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	14.3	1.53	0.238	
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	1.16	1.53	0.199	J
375-85-9	Perfluoroheptanoic Acid (PFHpA)	8.57	1.53	0.230	
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	9.01	1.53	0.130	
335-67-1	Perfluorooctanoic Acid (PFOA)	65.7	1.53	0.253	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	6.13	4.61	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	0.774	1.53	0.192	J
375-95-1	Perfluorononanoic Acid (PFNA)	5.86	1.53	0.253	
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	32.4	1.53	0.253	
335-76-2	Perfluorodecanoic Acid (PFDA)	2.74	1.53	0.199	
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	6.13	1.17	U
68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ND	1.53	0.192	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	0.942	1.53	0.460	J
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.53	0.168	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-01	**Date Collected**	: 11/18/24 15:46
Client ID	: MW-1S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 12/23/24 22:48
Sample Matrix	: WATER	**Date Extracted**	: 12/23/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI09_241223_22	**Analyst**	: JW
Sample Amount	: 522.04 g	**Instrument ID**	: LCMS09
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.53	0.130	U
754-91-6	Perfluorooctanesulfonamide (PFOSA)	1.49	1.53	0.092	JF
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	1.16	1.53	0.460	J
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.53	0.207	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.53	0.176	U
376-06-7	Perfluorotetradecanoic Acid (PFTeDA)	ND	1.53	0.153	U
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	6.13	1.53	U
919005-14-4	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	6.13	0.360	U
79780-39-5	Perfluorododecanesulfonic Acid (PFDoS)	ND	1.53	0.230	U
756426-58-1	9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	6.13	0.421	U
763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	6.13	0.429	U
31506-32-8	N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.53	0.214	U
4151-50-2	N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	1.53	0.337	U
24448-09-7	N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	15.3	1.25	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-01	**Date Collected**	: 11/18/24 15:46
Client ID	: MW-1S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 12/23/24 22:48
Sample Matrix	: WATER	**Date Extracted**	: 12/23/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI09_241223_22	**Analyst**	: JW
Sample Amount	: 522.04 g	**Instrument ID**	: LCMS09
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
1691-99-2	N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	15.3	1.06	U
377-73-1	Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	3.06	0.238	U
863090-89-5	Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	3.06	0.345	U
113507-82-7	Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	3.06	0.314	U
151772-58-6	Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	3.06	0.521	U
356-02-5	3-Perfluoropropyl Propanoic Acid (3: 3FTCA)	ND	7.66	0.513	U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic Acid (5: 3FTCA)	ND	38.3	4.08	U
812-70-4	3-Perfluoroheptyl Propanoic Acid (7: 3FTCA)	ND	38.3	3.05	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-05	**Date Collected**	: 11/19/24 08:10
Client ID	: MW-5S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 12/23/24 22:57
Sample Matrix	: WATER	**Date Extracted**	: 12/23/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI09_241223_23	**Analyst**	: JW
Sample Amount	: 508.92 g	**Instrument ID**	: LCMS09
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
375-22-4	Perfluorobutanoic Acid (PFBA)	0.542	6.29	0.519	J
2706-90-3	Perfluoropentanoic Acid (PFPeA)	ND	3.14	0.354	U
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	ND	1.57	0.393	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	6.29	0.896	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	0.346	1.57	0.244	J
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ND	1.57	0.204	U
375-85-9	Perfluoroheptanoic Acid (PFHpA)	ND	1.57	0.236	U
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	0.754	1.57	0.134	J
335-67-1	Perfluorooctanoic Acid (PFOA)	1.26	1.57	0.259	J
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	6.29	4.73	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.57	0.196	U
375-95-1	Perfluorononanoic Acid (PFNA)	ND	1.57	0.259	U
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	1.40	1.57	0.259	J
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	1.57	0.204	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	6.29	1.20	U
68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ND	1.57	0.196	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.57	0.472	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.57	0.173	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-05	**Date Collected**	: 11/19/24 08:10
Client ID	: MW-5S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 12/23/24 22:57
Sample Matrix	: WATER	**Date Extracted**	: 12/23/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI09_241223_23	**Analyst**	: JW
Sample Amount	: 508.92 g	**Instrument ID**	: LCMS09
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.57	0.134	U
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND	1.57	0.094	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.57	0.472	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.57	0.212	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.57	0.181	U
376-06-7	Perfluorotetradecanoic Acid (PFTeDA)	ND	1.57	0.157	U
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	6.29	1.57	U
919005-14-4	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	6.29	0.369	U
79780-39-5	Perfluorododecanesulfonic Acid (PFDoS)	ND	1.57	0.236	U
756426-58-1	9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	6.29	0.432	U
763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	6.29	0.440	U
31506-32-8	N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.57	0.220	U
4151-50-2	N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	1.57	0.346	U
24448-09-7	N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	15.7	1.28	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-05	**Date Collected**	: 11/19/24 08:10
Client ID	: MW-5S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 12/23/24 22:57
Sample Matrix	: WATER	**Date Extracted**	: 12/23/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI09_241223_23	**Analyst**	: JW
Sample Amount	: 508.92 g	**Instrument ID**	: LCMS09
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
1691-99-2	N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	15.7	1.08	U
377-73-1	Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	3.14	0.244	U
863090-89-5	Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	3.14	0.354	U
113507-82-7	Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	3.14	0.322	U
151772-58-6	Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	3.14	0.534	U
356-02-5	3-Perfluoropropyl Propanoic Acid (3: 3FTCA)	ND	7.86	0.527	U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic Acid (5: 3FTCA)	ND	39.3	4.18	U
812-70-4	3-Perfluoroheptyl Propanoic Acid (7: 3FTCA)	ND	39.3	3.13	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-07	**Date Collected**	: 11/18/24 14:15
Client ID	: MW-7S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 12/23/24 23:23
Sample Matrix	: WATER	**Date Extracted**	: 12/23/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI09_241223_26	**Analyst**	: JW
Sample Amount	: 527.13 g	**Instrument ID**	: LCMS09
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
375-22-4	Perfluorobutanoic Acid (PFBA)	7.74	6.07	0.501	
2706-90-3	Perfluoropentanoic Acid (PFPeA)	9.82	3.04	0.341	
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	2.60	1.52	0.379	
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	6.07	0.865	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	9.46	1.52	0.235	
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	1.18	1.52	0.197	J
375-85-9	Perfluoroheptanoic Acid (PFHpA)	7.88	1.52	0.228	
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	7.03	1.52	0.129	
335-67-1	Perfluorooctanoic Acid (PFOA)	19.5	1.52	0.250	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	6.07	4.57	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.52	0.190	U
375-95-1	Perfluorononanoic Acid (PFNA)	1.02	1.52	0.250	J
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	3.78	1.52	0.250	
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	1.52	0.197	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	6.07	1.16	U
68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ND	1.52	0.190	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.52	0.455	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.52	0.167	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-07	**Date Collected**	: 11/18/24 14:15
Client ID	: MW-7S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 12/23/24 23:23
Sample Matrix	: WATER	**Date Extracted**	: 12/23/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI09_241223_26	**Analyst**	: JW
Sample Amount	: 527.13 g	**Instrument ID**	: LCMS09
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.52	0.129	U
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND	1.52	0.091	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.52	0.455	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.52	0.205	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.52	0.174	U
376-06-7	Perfluorotetradecanoic Acid (PFTeDA)	ND	1.52	0.152	U
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	6.07	1.52	U
919005-14-4	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	6.07	0.357	U
79780-39-5	Perfluorododecanesulfonic Acid (PFDoS)	ND	1.52	0.228	U
756426-58-1	9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	6.07	0.417	U
763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	6.07	0.425	U
31506-32-8	N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.52	0.212	U
4151-50-2	N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	1.52	0.334	U
24448-09-7	N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	15.2	1.24	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-07	**Date Collected**	: 11/18/24 14:15
Client ID	: MW-7S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 12/23/24 23:23
Sample Matrix	: WATER	**Date Extracted**	: 12/23/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI09_241223_26	**Analyst**	: JW
Sample Amount	: 527.13 g	**Instrument ID**	: LCMS09
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
1691-99-2	N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	15.2	1.05	U
377-73-1	Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	3.04	0.235	U
863090-89-5	Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	3.04	0.341	U
113507-82-7	Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	3.04	0.311	U
151772-58-6	Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	3.04	0.516	U
356-02-5	3-Perfluoropropyl Propanoic Acid (3: 3FTCA)	ND	7.59	0.508	U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic Acid (5: 3FTCA)	ND	37.9	4.04	U
812-70-4	3-Perfluoroheptyl Propanoic Acid (7: 3FTCA)	ND	37.9	3.02	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-08	**Date Collected**	: 11/18/24 16:45
Client ID	: MW-8S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 12/23/24 23:32
Sample Matrix	: WATER	**Date Extracted**	: 12/23/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI09_241223_27	**Analyst**	: JW
Sample Amount	: 517.07 g	**Instrument ID**	: LCMS09
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
375-22-4	Perfluorobutanoic Acid (PFBA)	7.26	6.19	0.510	
2706-90-3	Perfluoropentanoic Acid (PFPeA)	11.6	3.09	0.348	
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	2.66	1.55	0.387	
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	6.19	0.882	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	11.0	1.55	0.240	
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	0.650	1.55	0.201	J
375-85-9	Perfluoroheptanoic Acid (PFHpA)	5.42	1.55	0.232	
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	5.15	1.55	0.132	
335-67-1	Perfluorooctanoic Acid (PFOA)	29.6	1.55	0.255	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	6.19	4.66	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	0.425	1.55	0.193	J
375-95-1	Perfluorononanoic Acid (PFNA)	3.29	1.55	0.255	
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	18.1	1.55	0.255	
335-76-2	Perfluorodecanoic Acid (PFDA)	2.45	1.55	0.201	
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	6.19	1.18	U
68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ND	1.55	0.193	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.55	0.464	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.55	0.170	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-08	**Date Collected**	: 11/18/24 16:45
Client ID	: MW-8S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 12/23/24 23:32
Sample Matrix	: WATER	**Date Extracted**	: 12/23/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI09_241223_27	**Analyst**	: JW
Sample Amount	: 517.07 g	**Instrument ID**	: LCMS09
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.55	0.132	U
754-91-6	Perfluorooctanesulfonamide (PFOSA)	1.33	1.55	0.093	JF
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.55	0.464	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.55	0.209	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.55	0.178	U
376-06-7	Perfluorotetradecanoic Acid (PFTeDA)	ND	1.55	0.155	U
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	6.19	1.55	U
919005-14-4	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	6.19	0.364	U
79780-39-5	Perfluorododecanesulfonic Acid (PFDoS)	ND	1.55	0.232	U
756426-58-1	9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	6.19	0.425	U
763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	6.19	0.433	U
31506-32-8	N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.55	0.217	U
4151-50-2	N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	1.55	0.340	U
24448-09-7	N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	15.5	1.26	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-08	**Date Collected**	: 11/18/24 16:45
Client ID	: MW-8S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 12/23/24 23:32
Sample Matrix	: WATER	**Date Extracted**	: 12/23/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI09_241223_27	**Analyst**	: JW
Sample Amount	: 517.07 g	**Instrument ID**	: LCMS09
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
1691-99-2	N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	15.5	1.07	U
377-73-1	Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	3.09	0.240	U
863090-89-5	Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	3.09	0.348	U
113507-82-7	Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	3.09	0.317	U
151772-58-6	Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	3.09	0.526	U
356-02-5	3-Perfluoropropyl Propanoic Acid (3: 3FTCA)	ND	7.74	0.518	U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic Acid (5: 3FTCA)	ND	38.7	4.12	U
812-70-4	3-Perfluoroheptyl Propanoic Acid (7: 3FTCA)	ND	38.7	3.08	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-09	**Date Collected**	: 11/18/24 00:00
Client ID	: DUP	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 12/23/24 23:41
Sample Matrix	: WATER	**Date Extracted**	: 12/23/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI09_241223_28	**Analyst**	: JW
Sample Amount	: 558.92 g	**Instrument ID**	: LCMS09
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
375-22-4	Perfluorobutanoic Acid (PFBA)	7.16	5.72	0.472	
2706-90-3	Perfluoropentanoic Acid (PFPeA)	9.44	2.86	0.322	
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	2.38	1.43	0.358	
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	5.72	0.816	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	9.84	1.43	0.222	
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	1.18	1.43	0.186	J
375-85-9	Perfluoroheptanoic Acid (PFHpA)	7.00	1.43	0.215	
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	6.65	1.43	0.122	
335-67-1	Perfluorooctanoic Acid (PFOA)	19.2	1.43	0.236	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	5.72	4.31	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.43	0.179	U
375-95-1	Perfluorononanoic Acid (PFNA)	0.880	1.43	0.236	J
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	3.70	1.43	0.236	
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	1.43	0.186	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	5.72	1.09	U
68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ND	1.43	0.179	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.43	0.429	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.43	0.157	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-09	**Date Collected**	: 11/18/24 00:00
Client ID	: DUP	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 12/23/24 23:41
Sample Matrix	: WATER	**Date Extracted**	: 12/23/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI09_241223_28	**Analyst**	: JW
Sample Amount	: 558.92 g	**Instrument ID**	: LCMS09
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.43	0.122	U
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND	1.43	0.086	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.43	0.429	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.43	0.193	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.43	0.165	U
376-06-7	Perfluorotetradecanoic Acid (PFTeDA)	ND	1.43	0.143	U
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	5.72	1.43	U
919005-14-4	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	5.72	0.336	U
79780-39-5	Perfluorododecanesulfonic Acid (PFDoS)	ND	1.43	0.215	U
756426-58-1	9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	5.72	0.394	U
763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	5.72	0.401	U
31506-32-8	N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.43	0.200	U
4151-50-2	N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	1.43	0.315	U
24448-09-7	N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	14.3	1.17	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-09	**Date Collected**	: 11/18/24 00:00
Client ID	: DUP	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 12/23/24 23:41
Sample Matrix	: WATER	**Date Extracted**	: 12/23/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI09_241223_28	**Analyst**	: JW
Sample Amount	: 558.92 g	**Instrument ID**	: LCMS09
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
1691-99-2	N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	14.3	0.988	U
377-73-1	Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	2.86	0.222	U
863090-89-5	Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	2.86	0.322	U
113507-82-7	Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	2.86	0.293	U
151772-58-6	Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	2.86	0.487	U
356-02-5	3-Perfluoropropyl Propanoic Acid (3: 3FTCA)	ND	7.16	0.479	U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic Acid (5: 3FTCA)	ND	35.8	3.81	U
812-70-4	3-Perfluoroheptyl Propanoic Acid (7: 3FTCA)	ND	35.8	2.85	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-10	**Date Collected**	: 11/18/24 16:30
Client ID	: FIELD BLANK	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 12/23/24 23:50
Sample Matrix	: WATER	**Date Extracted**	: 12/23/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI09_241223_29	**Analyst**	: JW
Sample Amount	: 456.21 g	**Instrument ID**	: LCMS09
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
375-22-4	Perfluorobutanoic Acid (PFBA)	ND	7.01	0.579	U
2706-90-3	Perfluoropentanoic Acid (PFPeA)	ND	3.51	0.394	U
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	ND	1.75	0.438	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	7.01	1.00	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	ND	1.75	0.272	U
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ND	1.75	0.228	U
375-85-9	Perfluoroheptanoic Acid (PFHpA)	ND	1.75	0.263	U
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	ND	1.75	0.149	U
335-67-1	Perfluorooctanoic Acid (PFOA)	ND	1.75	0.289	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	7.01	5.28	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.75	0.219	U
375-95-1	Perfluorononanoic Acid (PFNA)	ND	1.75	0.289	U
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	ND	1.75	0.289	U
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	1.75	0.228	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	7.01	1.34	U
68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ND	1.75	0.219	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.75	0.526	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.75	0.193	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-10	**Date Collected**	: 11/18/24 16:30
Client ID	: FIELD BLANK	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 12/23/24 23:50
Sample Matrix	: WATER	**Date Extracted**	: 12/23/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI09_241223_29	**Analyst**	: JW
Sample Amount	: 456.21 g	**Instrument ID**	: LCMS09
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.75	0.149	U
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND	1.75	0.105	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.75	0.526	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.75	0.237	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.75	0.202	U
376-06-7	Perfluorotetradecanoic Acid (PFTeDA)	ND	1.75	0.175	U
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	7.01	1.75	U
919005-14-4	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	7.01	0.412	U
79780-39-5	Perfluorododecanesulfonic Acid (PFDoS)	ND	1.75	0.263	U
756426-58-1	9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	7.01	0.482	U
763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	7.01	0.491	U
31506-32-8	N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.75	0.246	U
4151-50-2	N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	1.75	0.386	U
24448-09-7	N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	17.5	1.43	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-10	**Date Collected**	: 11/18/24 16:30
Client ID	: FIELD BLANK	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 12/23/24 23:50
Sample Matrix	: WATER	**Date Extracted**	: 12/23/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI09_241223_29	**Analyst**	: JW
Sample Amount	: 456.21 g	**Instrument ID**	: LCMS09
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
1691-99-2	N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	17.5	1.21	U
377-73-1	Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	3.51	0.272	U
863090-89-5	Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	3.51	0.394	U
113507-82-7	Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	3.51	0.359	U
151772-58-6	Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	3.51	0.596	U
356-02-5	3-Perfluoropropyl Propanoic Acid (3: 3FTCA)	ND	8.77	0.587	U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic Acid (5: 3FTCA)	ND	43.8	4.66	U
812-70-4	3-Perfluoroheptyl Propanoic Acid (7: 3FTCA)	3.78	43.8	3.49	J

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: WG2012727-1	**Date Collected**	: NA
Client ID	: WG2012727-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 12/23/24 22:21
Sample Matrix	: WATER	**Date Extracted**	: 12/23/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI09_241223_19	**Analyst**	: JW
Sample Amount	: 500 g	**Instrument ID**	: LCMS09
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
375-22-4	Perfluorobutanoic Acid (PFBA)	ND	6.40	0.528	U
2706-90-3	Perfluoropentanoic Acid (PFPeA)	ND	3.20	0.360	U
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	ND	1.60	0.400	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	6.40	0.912	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	ND	1.60	0.248	U
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ND	1.60	0.208	U
375-85-9	Perfluoroheptanoic Acid (PFHpA)	ND	1.60	0.240	U
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	ND	1.60	0.136	U
335-67-1	Perfluorooctanoic Acid (PFOA)	ND	1.60	0.264	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	6.40	4.82	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.60	0.200	U
375-95-1	Perfluorononanoic Acid (PFNA)	ND	1.60	0.264	U
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	ND	1.60	0.264	U
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	1.60	0.208	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	6.40	1.22	U
68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ND	1.60	0.200	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.60	0.480	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.60	0.176	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: WG2012727-1	**Date Collected**	: NA
Client ID	: WG2012727-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 12/23/24 22:21
Sample Matrix	: WATER	**Date Extracted**	: 12/23/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI09_241223_19	**Analyst**	: JW
Sample Amount	: 500 g	**Instrument ID**	: LCMS09
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.60	0.136	U
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND	1.60	0.096	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.60	0.480	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.60	0.216	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.60	0.184	U
376-06-7	Perfluorotetradecanoic Acid (PFTeDA)	ND	1.60	0.160	U
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	6.40	1.60	U
919005-14-4	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	6.40	0.376	U
79780-39-5	Perfluorododecanesulfonic Acid (PFDoS)	ND	1.60	0.240	U
756426-58-1	9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	6.40	0.440	U
763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	6.40	0.448	U
31506-32-8	N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.60	0.224	U
4151-50-2	N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	1.60	0.352	U
24448-09-7	N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	16.0	1.30	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: WG2012727-1	**Date Collected**	: NA
Client ID	: WG2012727-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 12/23/24 22:21
Sample Matrix	: WATER	**Date Extracted**	: 12/23/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI09_241223_19	**Analyst**	: JW
Sample Amount	: 500 g	**Instrument ID**	: LCMS09
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
1691-99-2	N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	16.0	1.10	U
377-73-1	Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	3.20	0.248	U
863090-89-5	Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	3.20	0.360	U
113507-82-7	Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	3.20	0.328	U
151772-58-6	Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	3.20	0.544	U
356-02-5	3-Perfluoropropyl Propanoic Acid (3: 3FTCA)	ND	8.00	0.536	U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic Acid (5: 3FTCA)	ND	40.0	4.26	U
812-70-4	3-Perfluoroheptyl Propanoic Acid (7: 3FTCA)	ND	40.0	3.18	U

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_22.wiff2_7
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

Method: EPA1633F.qmethod
Calibration: 241112_1633_ICAL

ID: L2467934-01
Name: SCI09_241223_22.wiff2
Date & Time: 2024-12-23T22:48:05
Description: WG2012688,WG2012727,ICAL21696
Instrument: SCIEX Triple Quad 5500+
User: LCMS09:JW

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.56	213.0 / 169.0	99359	M4	1.614	N/A	N/A	N/A	N/A
2	PFPeA	2706-90-3	1.07	263.0 / 219.0	166755		1.812	0.008	N/A	N/A	N/A
3	PFPeA_2	2706-90-3	1.07	263.0 / 68.9	1277	M3	1.592	0.008	N/A	N/A	N/A
4	PFHxA	307-24-4	1.82	313.0 / 269.0	283435		1.868	0.091	0.089	Pass	N/A
5	PFHxA_2	307-24-4	1.81	313.0 / 119.0	25771		1.870	0.091	0.089	Pass	N/A
6	PFHpA	375-85-9	2.39	363.1 / 319.0	230563		1.119	0.367	0.384	Pass	N/A
7	PFHpA_2	375-85-9	2.39	363.1 / 169.0	84642		1.056	0.367	0.384	Pass	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	2.87	413.1 / 369.1	1430112	M5	8.577	0.377	0.410	Pass	N/A
9	PFOA_2	335-67-1	2.87	413.1 / 169.0	538794	M5	7.899	0.377	0.410	Pass	N/A
10	PFNA	375-95-1	3.31	462.8 / 418.9	127787		0.765	0.286	0.341	Pass	N/A
11	PFNA_2	375-95-1	3.31	462.8 / 219.0	36600		0.635	0.286	0.341	Pass	N/A
12	PFDA	335-76-2	3.73	513.1 / 469.1	59731		0.357	0.185	0.215	Pass	N/A
13	PFDA_2	335-76-2	3.73	513.1 / 219.0	11035		0.350	0.185	0.215	Pass	N/A
14	PFUnA	2058-94-8	N/A	563.1 / 519.1	N/A		N/A	N/A	0.151	N/A	N/A
15	PFUnA_2	2058-94-8	N/A	563.1 / 269.0	N/A		N/A	N/A	0.151	N/A	N/A
16	PFDoA	307-55-1	N/A	613.1 / 569.1	N/A		N/A	N/A	0.140	N/A	N/A
17	PFDoA_2	307-55-1	N/A	613.1 / 319.0	N/A		N/A	N/A	0.140	N/A	N/A
18	PFTrDA	72629-94-8	N/A	663.1 / 619.1	N/A		N/A	N/A	0.159	N/A	N/A
19	PFTrDA_2	72629-94-8	N/A	663.1 / 169.0	N/A		N/A	N/A	0.159	N/A	N/A
20	PFTeDA	376-06-7	N/A	713.1 / 669.1	N/A		N/A	N/A	0.159	N/A	N/A
21	PFTeDA_2	376-06-7	N/A	713.1 / 169.0	N/A		N/A	N/A	0.159	N/A	N/A
22	PFBS	375-73-5	1.81	299.1 / 80.1	57475	M4	0.382	0.420	0.398	Pass	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	1.81	299.1 / 99.1	24140		0.460	0.420	0.398	Pass	N/A
24	PFPeS	2706-91-4	2.44	349.1 / 80.1	22333		0.152	0.195	0.285	Pass	N/A
25	PFPeS_2	2706-91-4	2.44	349.1 / 99.1	4364	M4	0.095	0.195	0.285	Pass	N/A
26	PFHxS	355-46-4	2.97	399.1 / 80.1	165753	M5	1.176	0.264	0.293	Pass	N/A
27	PFHxS_2	355-46-4	2.97	399.1 / 99.1	43774	M5	1.080	0.264	0.293	Pass	N/A
28	PFHpS	375-92-8	3.43	449.1 / 80.1	11471	M4	0.101	0.290	0.308	Pass	N/A
29	PFHpS_2	375-92-8	3.43	449.1 / 99.1	3328	M4	0.101	0.290	0.308	Pass	N/A
30	PFOS	1763-23-1	3.86	499.1 / 80.1	555590	M5	4.224	0.226	0.241	Pass	N/A
31	PFOS_2	1763-23-1	3.86	499.1 / 99.1	125502	M5	3.938	0.226	0.241	Pass	N/A
32	PFNS	68259-12-1	N/A	549.1 / 80.1	N/A		N/A	N/A	0.299	N/A	N/A
33	PFNS_2	68259-12-1	N/A	549.1 / 99.1	N/A		N/A	N/A	0.299	N/A	N/A
34	PFDS	335-77-3	N/A	599.1 / 80.1	N/A		N/A	N/A	0.274	N/A	N/A
35	PFDS_2	335-77-3	N/A	599.1 / 99.1	N/A		N/A	N/A	0.274	N/A	N/A
36	PFDoS	79780-39-5	N/A	699.2 / 80.1	N/A		N/A	N/A	0.247	N/A	N/A
37	PFDoS_2	79780-39-5	N/A	699.2 / 99.1	N/A		N/A	N/A	0.247	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	N/A	327.1 / 307.1	N/A		N/A	N/A	0.634	N/A	N/A
39	4:2FTS_2	757124-72-4	N/A	327.1 / 81.1	N/A		N/A	N/A	0.634	N/A	N/A
40	6:2FTS	27619-97-2	2.70	427.2 / 407.2	45279		0.404	0.628	0.609	Pass	N/A
41	6:2FTS_2	27619-97-2	2.70	427.2 / 81.1	28456	M4	0.409	0.628	0.609	Pass	N/A
42	8:2FTS	39108-34-4	3.55	527.2 / 507.2	4119		0.067	1.073	0.681	Fail	N/A
43	8:2FTS_2	39108-34-4	3.55	527.2 / 81.1	4420	M4	0.111	1.073	0.681	Fail	N/A
44	PFOSA	754-91-6	5.17	498.1 / 78.1	31125	M5	0.195	0.041	0.024	Fail	N/A
45	PFOSA_2	754-91-6	5.09	498.1 / 478.0	1263	M5	0.320	0.041	0.024	Fail	N/A
46	NMeFOSA	31506-32-8	N/A	512.2 / 219.0	N/A		N/A	N/A	1.421	N/A	N/A
47	NMeFOSA_2	31506-32-8	N/A	512.2 / 169.0	N/A		N/A	N/A	1.421	N/A	N/A
48	NEtFOSA	4151-50-2	N/A	526.2 / 219.0	N/A		N/A	N/A	1.258	N/A	N/A
49	NEtFOSA_2	4151-50-2	N/A	526.2 / 169.0	N/A		N/A	N/A	1.258	N/A	N/A
50	NMeFOSAA	2355-31-9	3.87	570.2 / 419.1	2830	M5	0.123	0.656	0.683	Pass	N/A
51	NMeFOSAA_2	2355-31-9	3.85	570.2 / 483.0	1857	M5	0.115	0.656	0.683	Pass	N/A
52	NEtFOSAA	2991-50-6	4.08	584.2 / 419.1	3261	M5	0.152	0.504	0.571	Pass	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.07	584.2 / 526.2	1644	M5	0.132	0.504	0.571	Pass	N/A
54	NMeFOSE	24448-09-7	N/A	616.1 / 58.9	N/A		N/A	N/A	N/A	N/A	N/A
55	NEtFOSE	1691-99-2	N/A	630.0 / 58.9	N/A		N/A	N/A	N/A	N/A	N/A
56	HFPO-DA	13252-13-6	2.02	285.0 / 169.0	3954		0.032	0.332	0.510	Pass	N/A
57	HFPO-DA_2	13252-13-6	2.03	285.0 / 184.9	1311	M3	0.020	0.332	0.510	Pass	N/A
58	ADONA	919005-14-4	N/A	376.9 / 251.0	N/A		N/A	N/A	0.636	N/A	N/A
59	ADONA_2	919005-14-4	N/A	376.9 / 84.8	N/A		N/A	N/A	0.636	N/A	N/A
60	9Cl-PF3ONS	756426-58-1	N/A	530.8 / 351.1	N/A		N/A	N/A	0.326	N/A	N/A
61	9Cl-PF3ONS_2	756426-58-1	N/A	532.8 / 353.0	N/A		N/A	N/A	0.326	N/A	N/A
62	11Cl-PF3OUdS	763051-92-9	N/A	630.9 / 451.0	N/A		N/A	N/A	0.318	N/A	N/A
63	11Cl-PF3OUdS_2	763051-92-9	N/A	632.9 / 452.9	N/A		N/A	N/A	0.318	N/A	N/A
64	3:3FTCA	356-02-5	N/A	241.1 / 177.1	N/A		N/A	N/A	1.068	N/A	N/A
65	3:3FTCA_2	356-02-5	N/A	241.1 / 117.0	N/A		N/A	N/A	1.068	N/A	N/A
66	5:3FTCA	914637-49-3	2.95	341.1 / 237.1	12855		0.323	0.652	1.045	Pass	N/A
67	5:3FTCA_2	914637-49-3	2.95	341.1 / 217.0	8386	M4	0.206	0.652	1.045	Pass	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	3.97	441.1 / 316.9	3805	M4	0.114	1.237	1.285	Pass	N/A
69	7:3FTCA_2	812-70-4	3.98	441.1 / 337.1	4709		0.109	1.237	1.285	Pass	N/A
70	PFEESA	113507-82-7	N/A	315.1 / 135.0	N/A		N/A	N/A	0.081	N/A	N/A
71	PFEESA_2	113507-82-7	N/A	315.1 / 82.9	N/A		N/A	N/A	0.081	N/A	N/A
72	PFMPA	377-73-1	N/A	229.0 / 85.0	N/A		N/A	N/A	N/A	N/A	N/A
73	PFMBA	863090-89-5	N/A	279.0 / 85.0	N/A		N/A	N/A	N/A	N/A	N/A
74	NFDHA	151772-58-6	N/A	295.0 / 201.0	N/A		N/A	N/A	0.681	N/A	N/A
75	NFDHA_2	151772-58-6	N/A	295.0 / 84.9	N/A		N/A	N/A	0.681	N/A	N/A
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	5.357	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	5.357	N/A	N/A
78	13C2D4-4:2FTS	Surr	N/A	333.2 / 312.1	N/A		N/A	N/A	N/A	N/A	N/A
79	13C2-PFOA	Surr	N/A	415.0 / 370.0	N/A		N/A	N/A	N/A	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.56	217.0 / 172.0	721977		7.156	NA	NA	NA	71.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.06	268.0 / 223.0	525263		4.241	NA	NA	NA	84.8
	13C5-PFHxA	EIS	1.81	318.0 / 273.0	330860		2.532	NA	NA	NA	101.3
	13C4-PFHpA	EIS	2.39	367.0 / 322.0	338262		3.102	NA	NA	NA	124.1
	13C8-PFOA	EIS	2.87	420.8 / 376.0	515755		1.687	NA	NA	NA	67.5
	13C9-PFNA	EIS	3.31	472.0 / 427.0	235474		1.044	NA	NA	NA	83.6
	13C6-PFDA	EIS	3.72	519.0 / 474.0	247184		1.001	NA	NA	NA	80.1
	13C7-PFUnA	EIS	4.12	570.0 / 525.0	253128		0.924	NA	NA	NA	73.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.50	615.1 / 570.0	250597		0.856	NA	NA	NA	68.5
	13C2-PFTeDA	EIS	5.23	715.1 / 670.1	160844		0.740	NA	NA	NA	59.2
	13C3-PFBS	EIS	1.80	302.1 / 80.1	350446		2.104	NA	NA	NA	90.3
	13C3-PFHxS	EIS	2.96	402.1 / 80.1	324883		2.201	NA	NA	NA	92.9
	13C8-PFOS	EIS	3.86	507.1 / 80.1	298654		1.904	NA	NA	NA	79.3
	13C2-4:2FTS	EIS	1.61	329.1 / 81.1	247515		10.693	NA	NA	NA	228.0
	13C2-6:2FTS	EIS	2.69	429.2 / 81.1	340845		16.588	NA	NA	NA	348.5
	13C2-8:2FTS	EIS	3.55	529.2 / 81.1	235631		9.689	NA	NA	NA	201.9

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C8-PFOSA	EIS	5.16	506.1 / 78.1	507980		1.907	NA	NA	NA	76.3
d3-NMeFOSA	EIS	5.89	515.2 / 219.0	61024		1.399	NA	NA	NA	56.0
d5-NEtFOSA	EIS	6.18	531.2 / 219.0	52437		1.325	NA	NA	NA	53.0
d3-NMeFOSAA	EIS	3.86	573.2 / 419.1	145061		5.357	NA	NA	NA	107.1
d5-NEtFOSAA	EIS	4.07	589.3 / 419.1	113726		4.262	NA	NA	NA	85.2
d7-NMeFOSE	EIS	5.75	623.2 / 58.9	427416		15.130	NA	NA	NA	60.5
d9-NEtFOSE	EIS	6.04	639.2 / 58.9	538308		14.161	NA	NA	NA	56.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.02	287.0 / 169.0	1277967		10.014	NA	NA	NA	100.1
	13C3-PFBA	NIS	0.55	216.0 / 172.0	439779	M4	3.468	NA	NA	NA	69.4
	13C2-PFHxA	NIS	1.81	315.0 / 270.0	362558		2.434	NA	NA	NA	97.4
	13C4-PFOA	NIS	2.87	417.0 / 372.0	487532		3.382	NA	NA	NA	135.3
	13C5-PFNA	NIS	3.31	468.0 / 423.0	280683		1.374	NA	NA	NA	110.0
	13C2-PFDA	NIS	3.72	515.1 / 470.1	293050		1.390	NA	NA	NA	111.2
	18O2-PFHxS	NIS	2.96	403.1 / 84.1	308210		2.641	NA	NA	NA	111.5
	13C4-PFOS	NIS	3.86	503.1 / 80.1	312431		2.490	NA	NA	NA	103.7

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_22.wiff2_7
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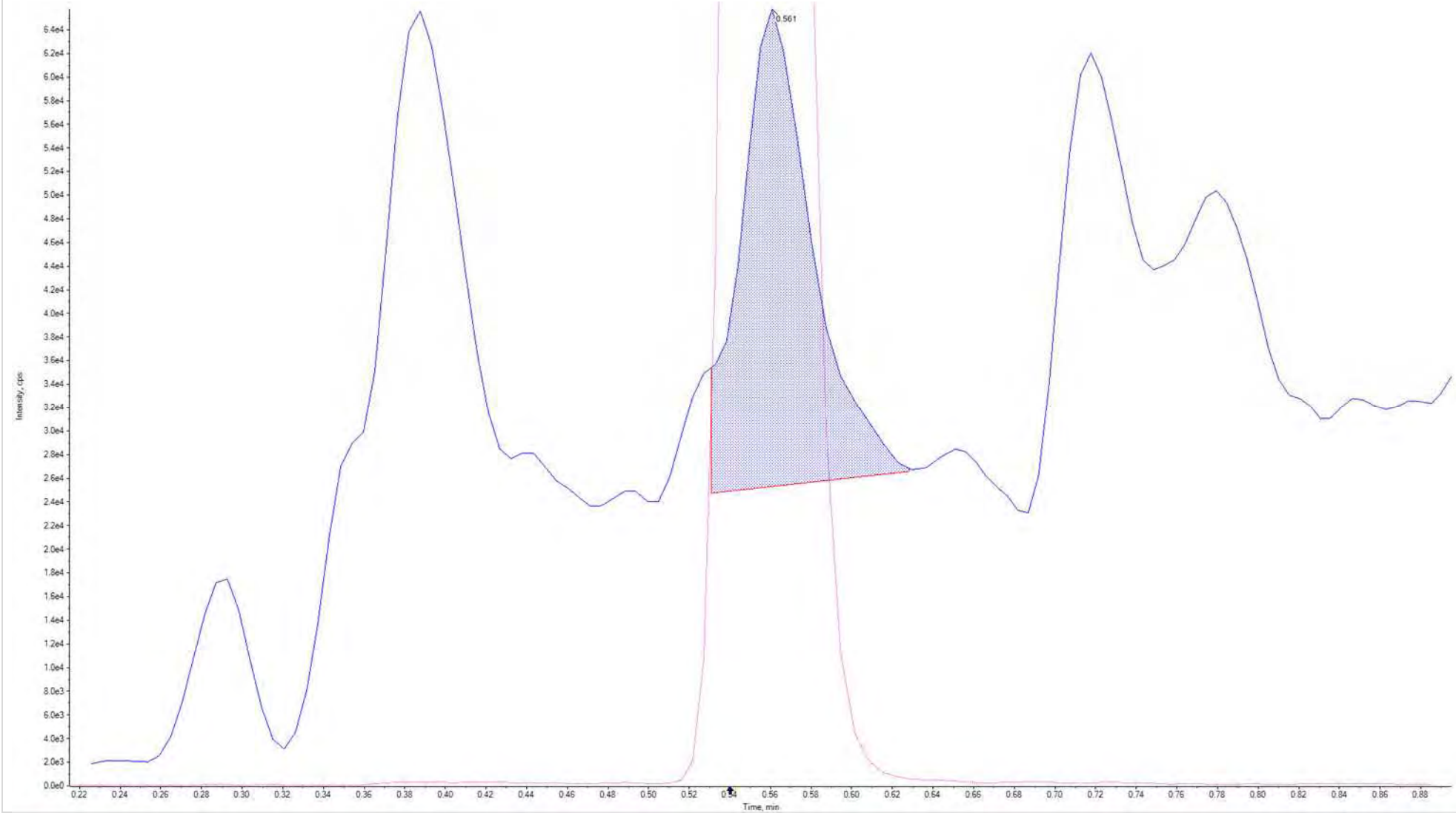
Generated: 12/23/2024 2:36:12 PM

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec

PFBA
Sample: L2467934-01 S/N:76.0 Points Across peak:17



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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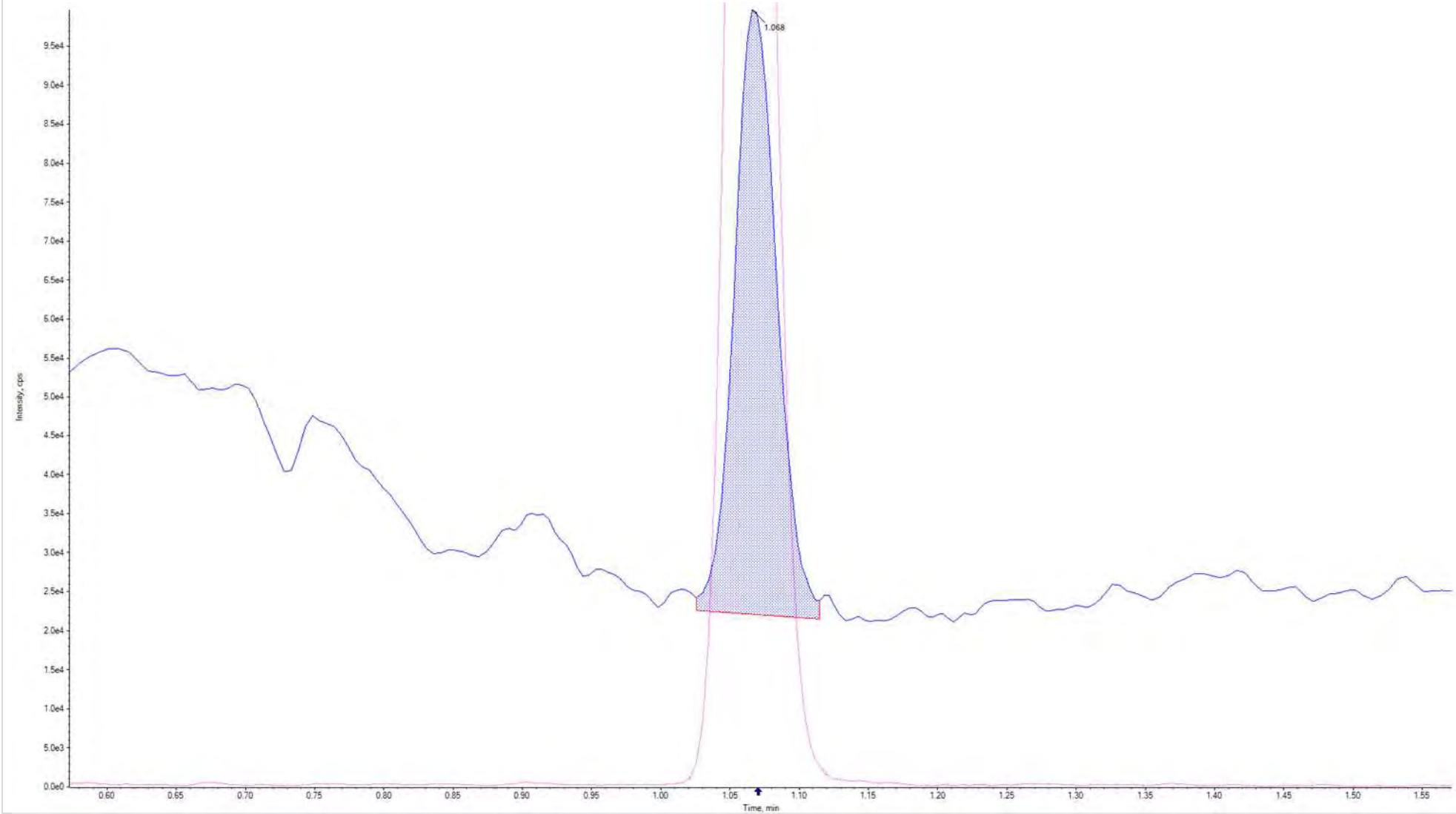
PFPeA
Sample: L2467934-01 S/N:140.3 Points Across peak:26



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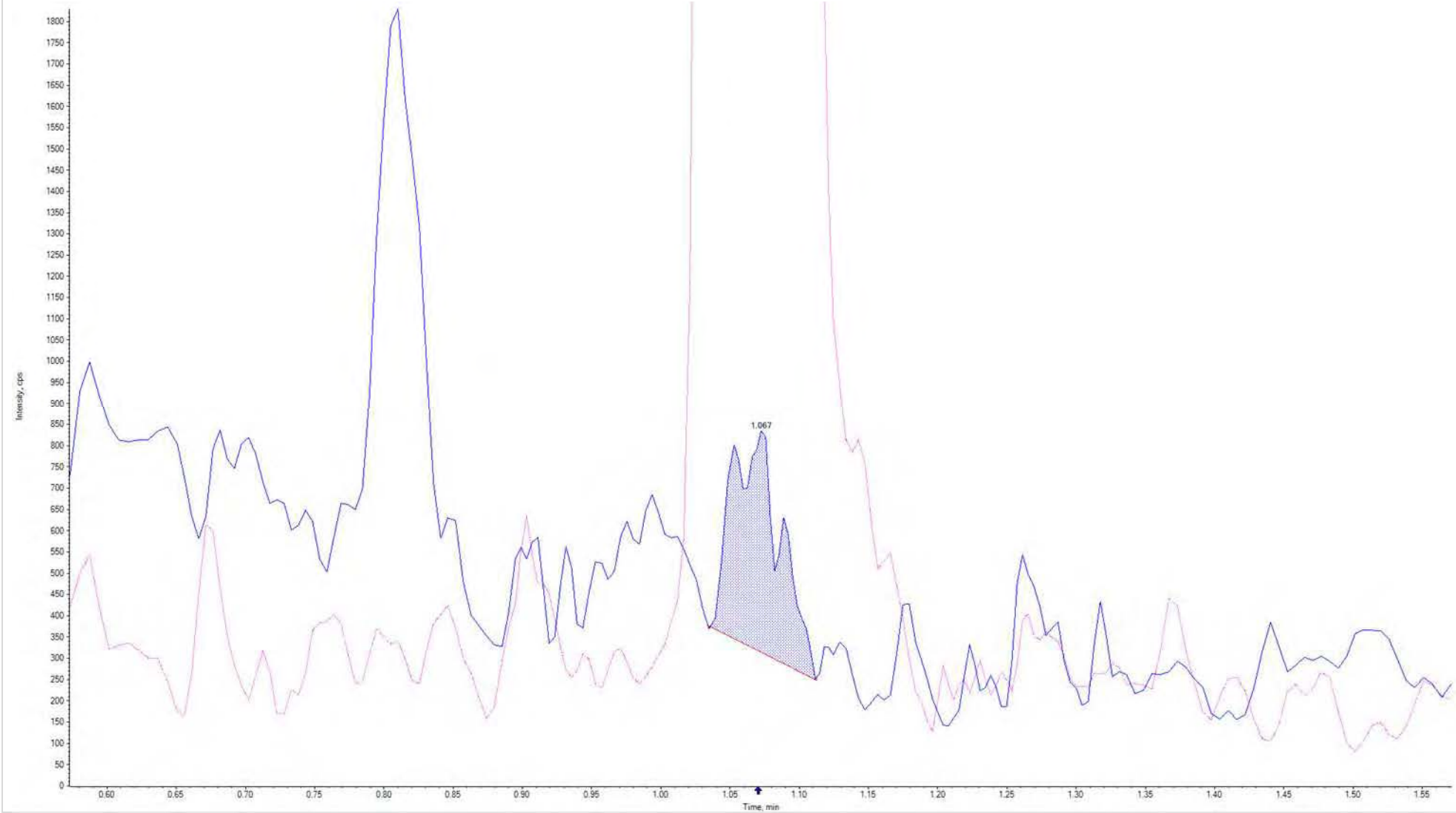
PFPeA_2
Sample: L2467934-01 S/N:20.2 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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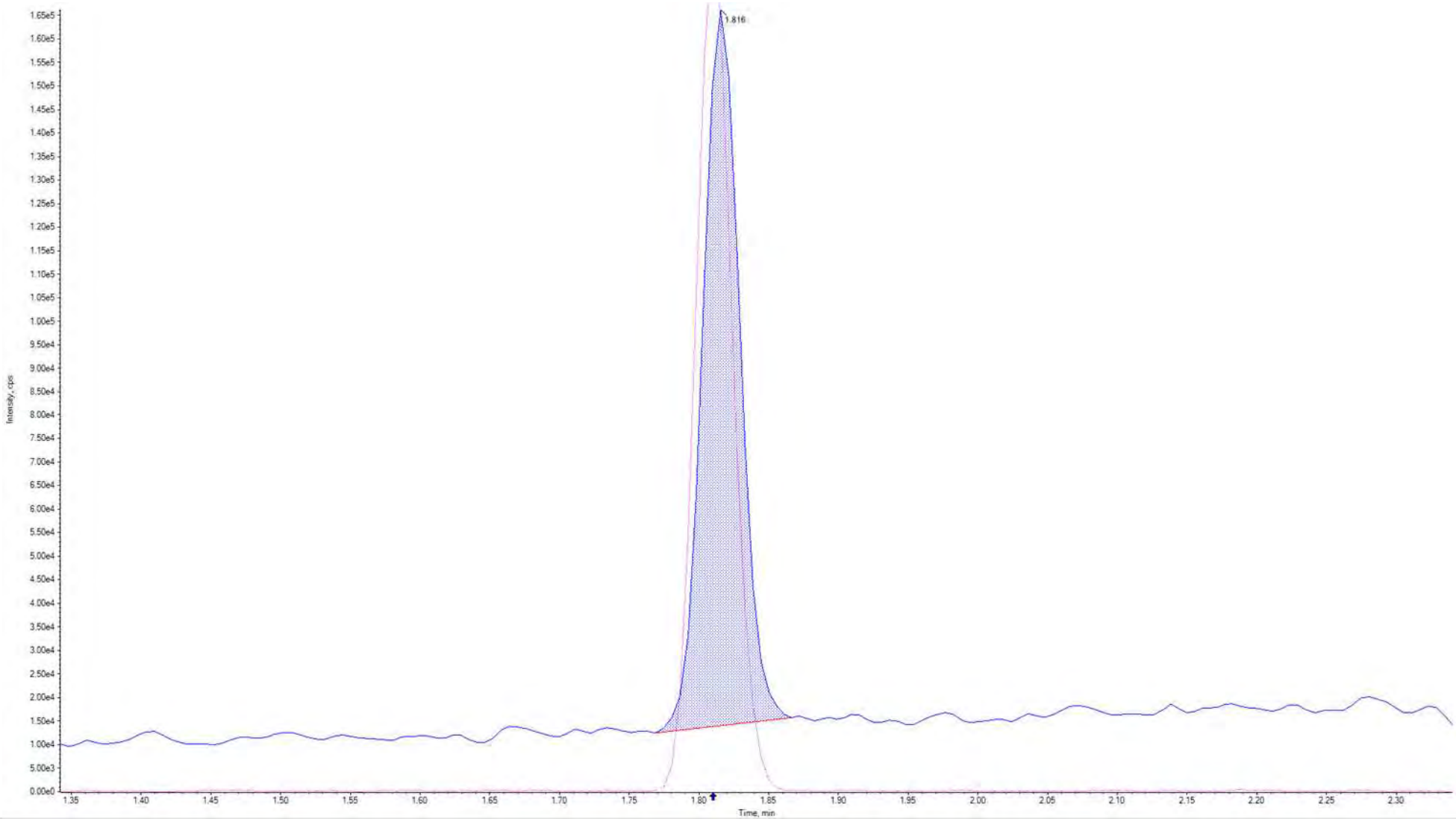
PFHxA
Sample: L2467934-01 S/N:206.9 Points Across peak:18



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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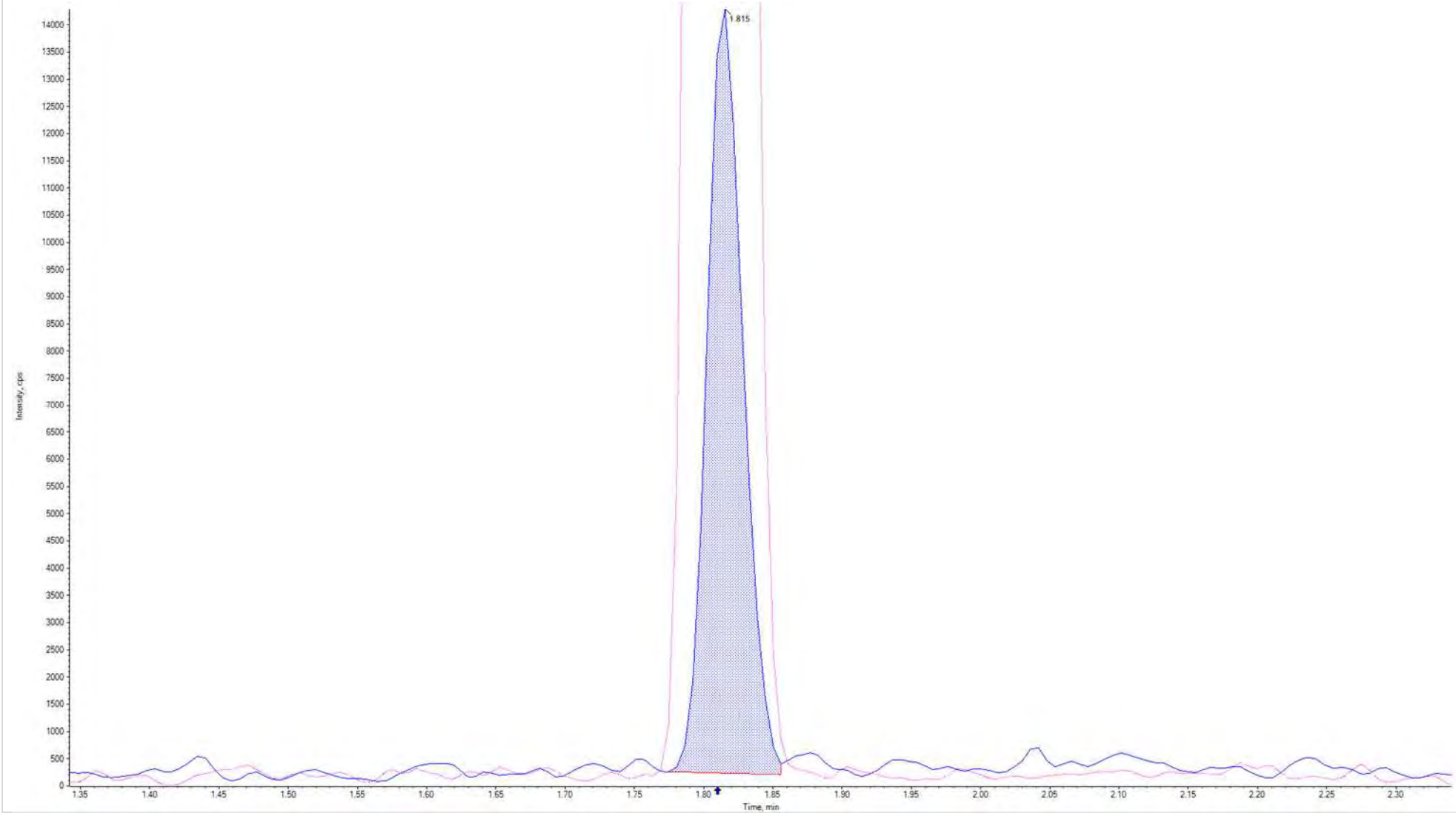
PFHxA_2
Sample: L2467934-01 S/N:352.3 Points Across peak:15



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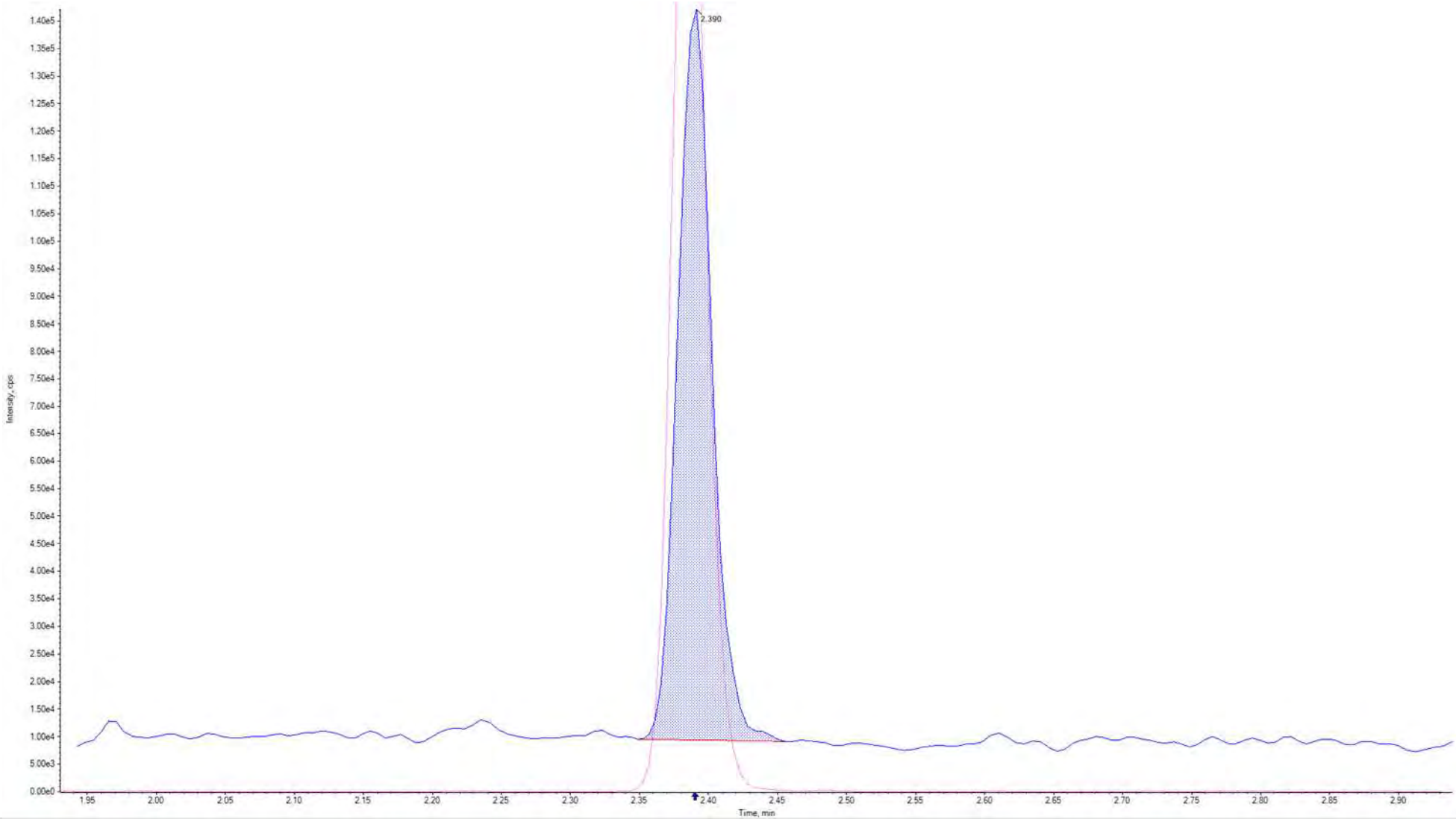
PFHpA
Sample: L2467934-01 S/N:240.5 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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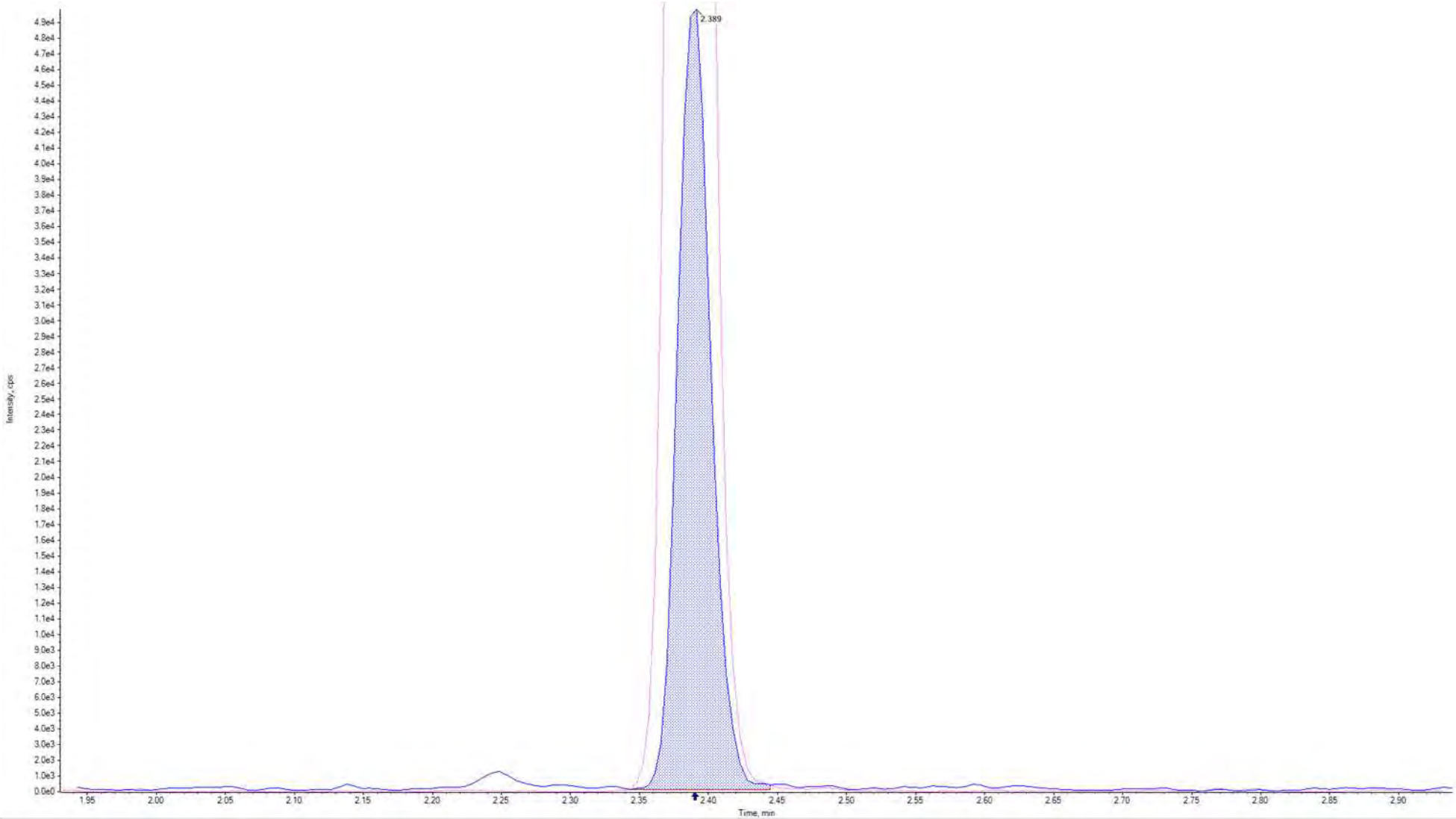
PFHpA_2
Sample: L2467934-01 S/N:996.6 Points Across peak:23



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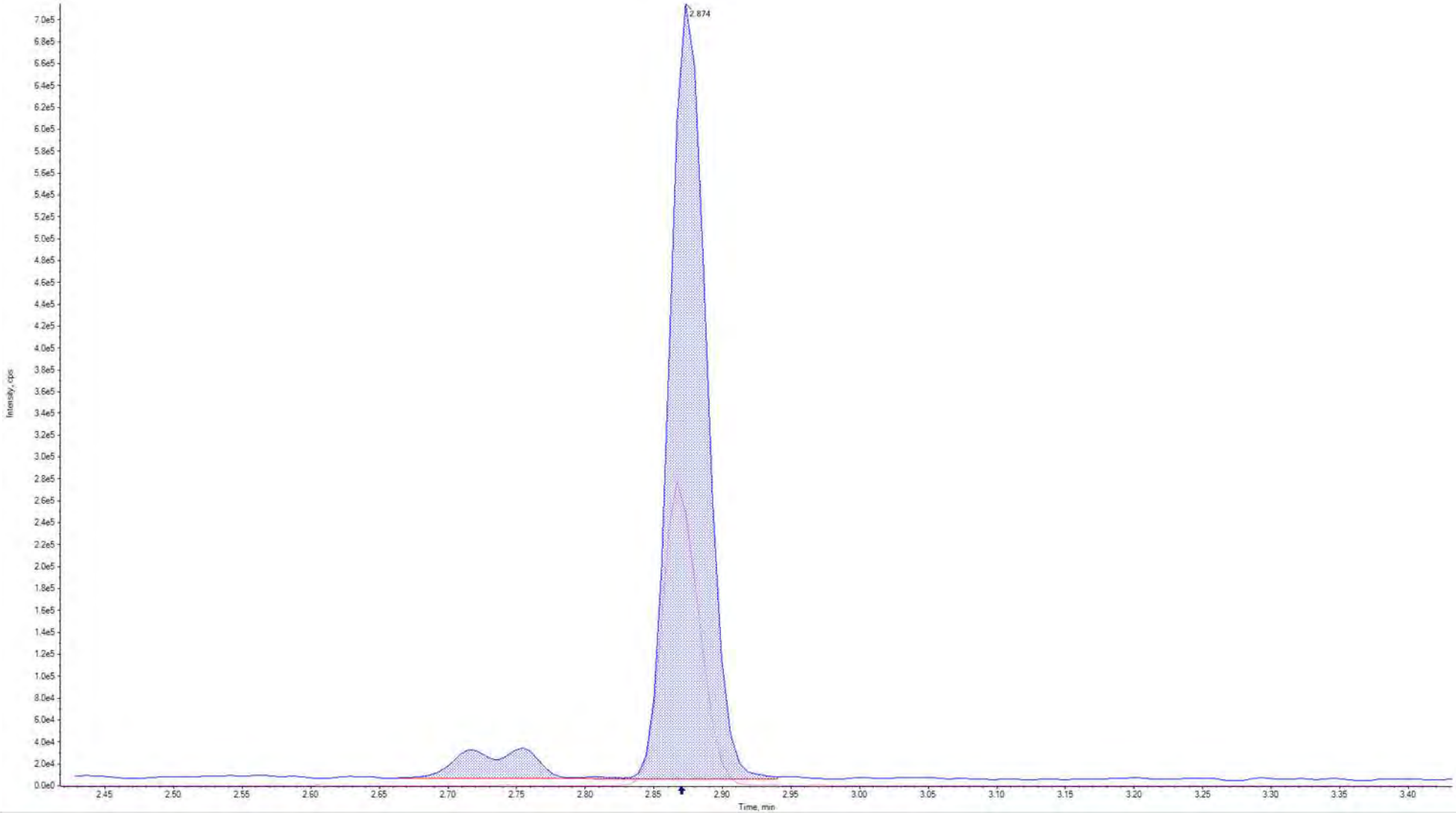
PFOA
Sample: L2467934-01 S/N:434.7 Points Across peak:51



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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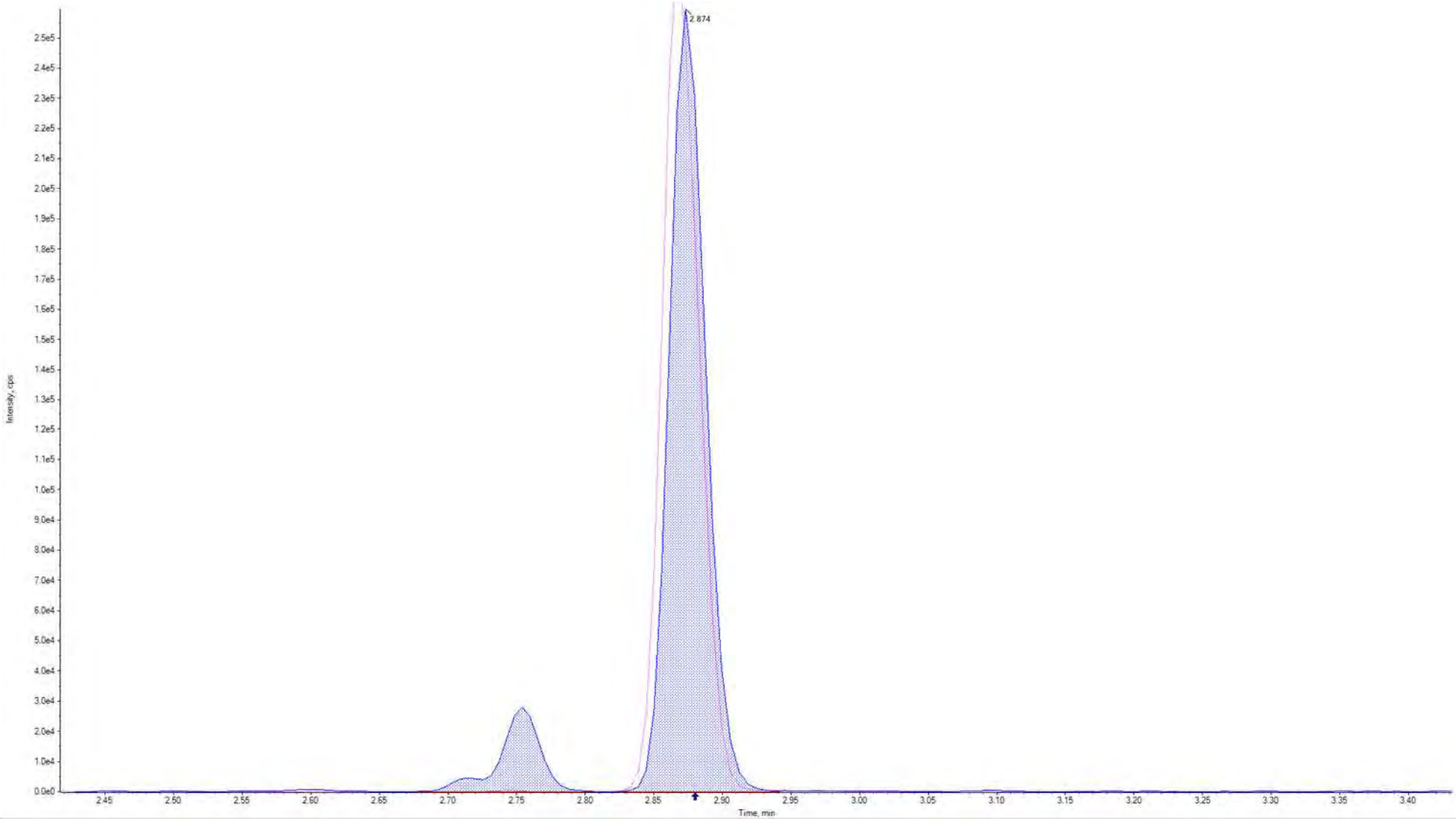
PFOA_2
Sample: L2467934-01 S/N:1044.6 Points Across peak:52



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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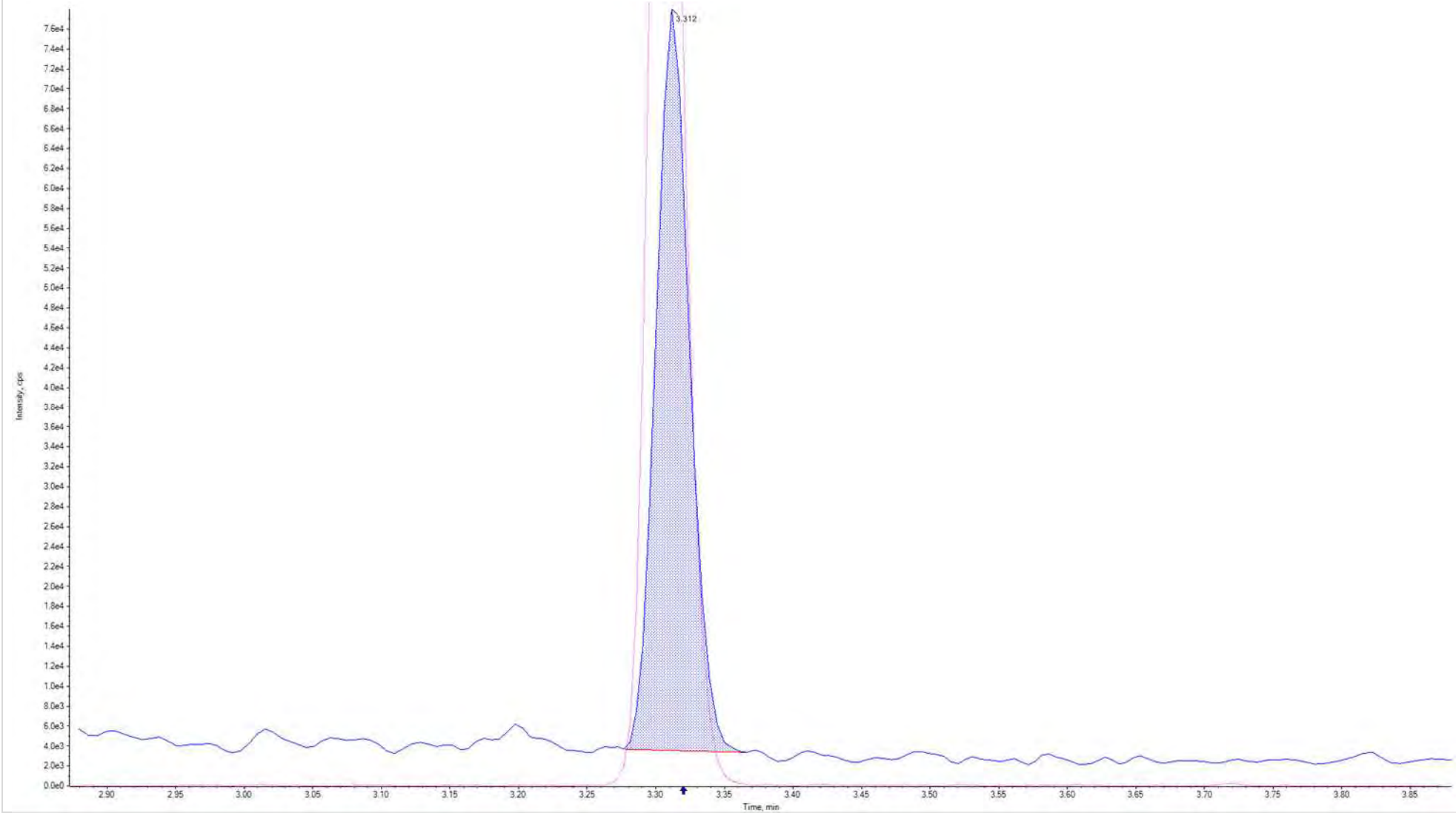
PFNA
Sample: L2467934-01 S/N:195.3 Points Across peak:18



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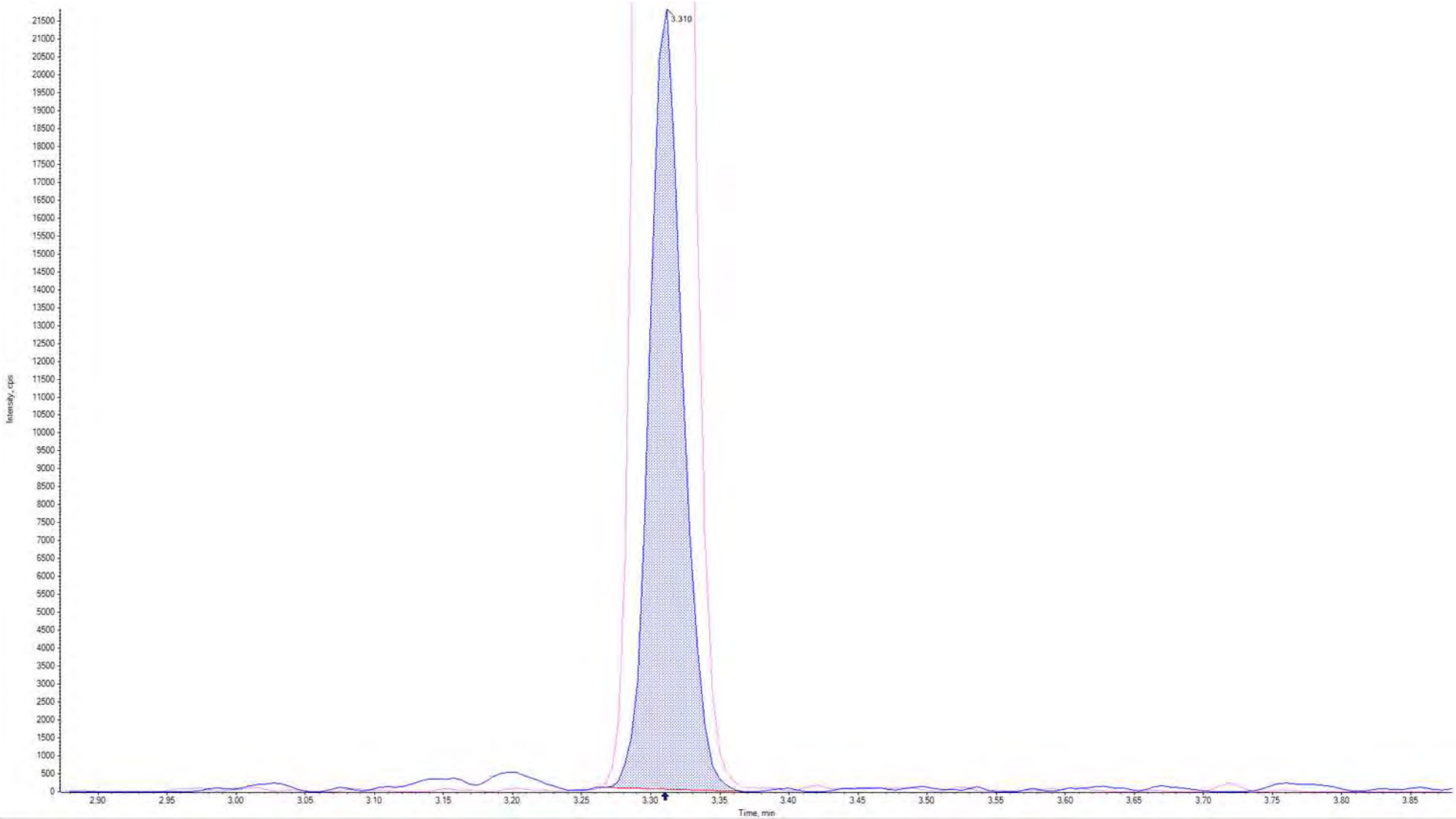
PFNA_2
Sample: L2467934-01 S/N:428.8 Points Across peak:21



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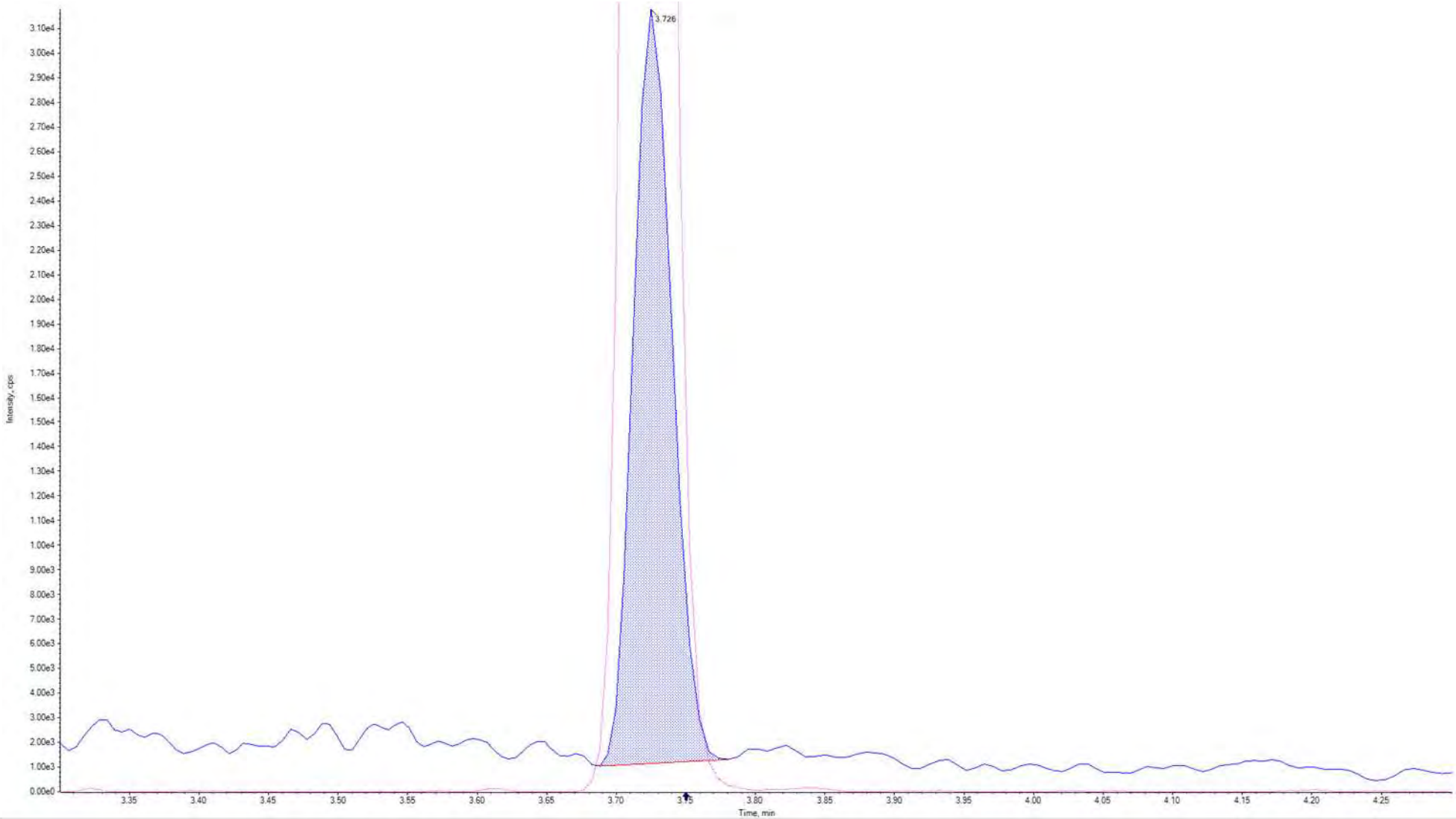
PFDA
Sample: L2467934-01 S/N:287.0 Points Across peak:15



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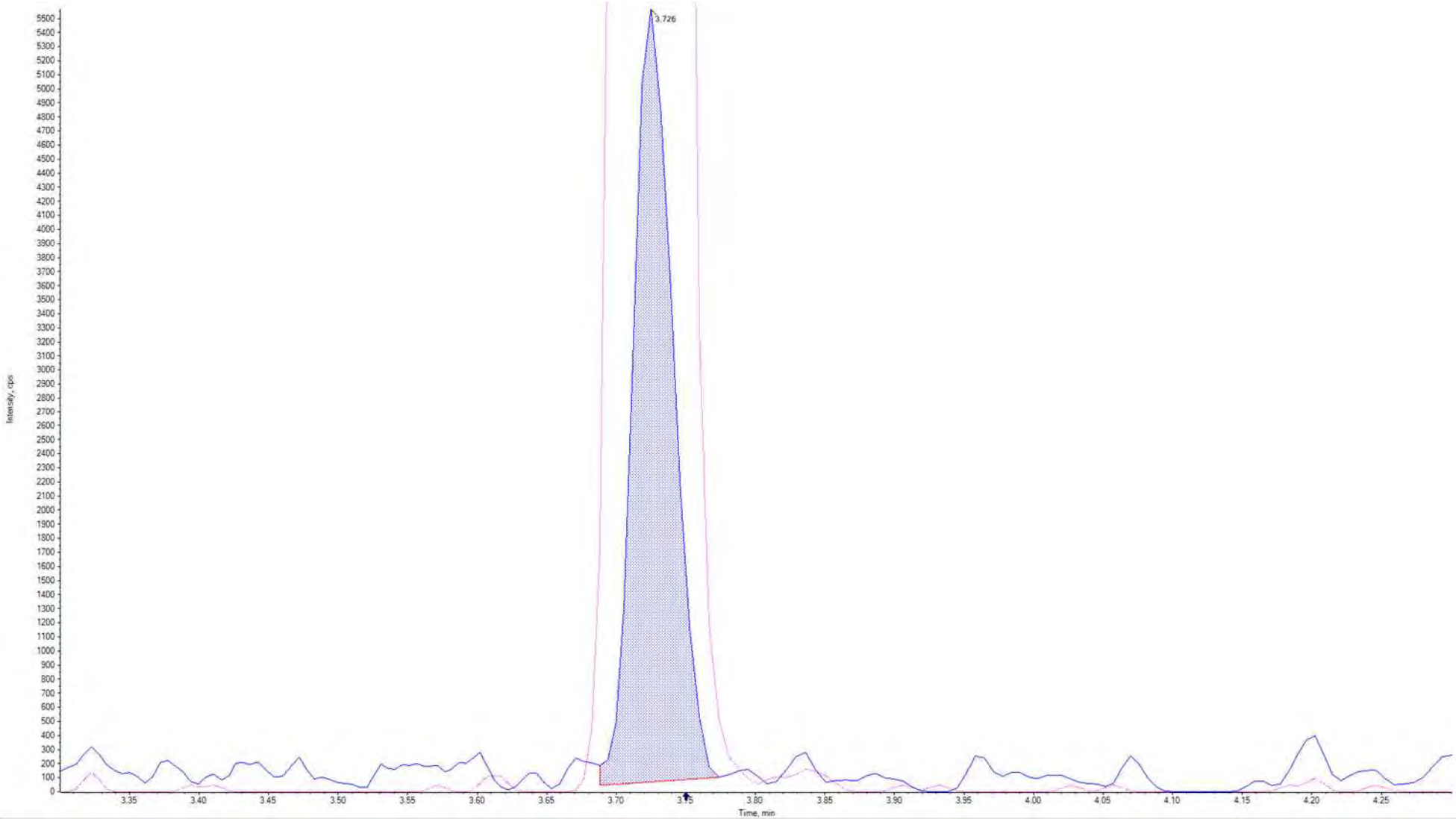
PFDA_2
Sample: L2467934-01 S/N:110.2 Points Across peak:14



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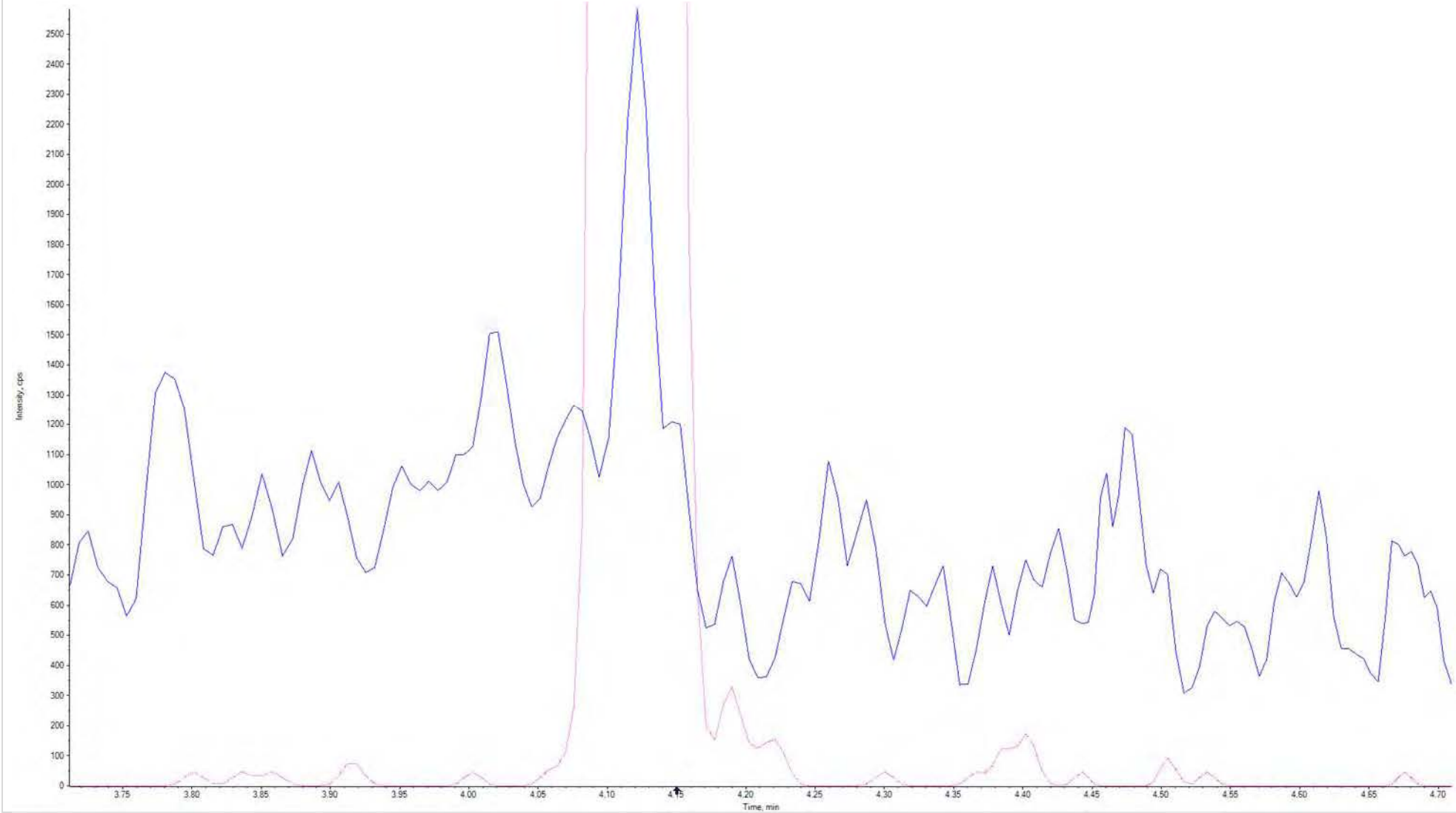
PFUnA
Sample: L2467934-01 S/N:N/A Points Across peak:N/A



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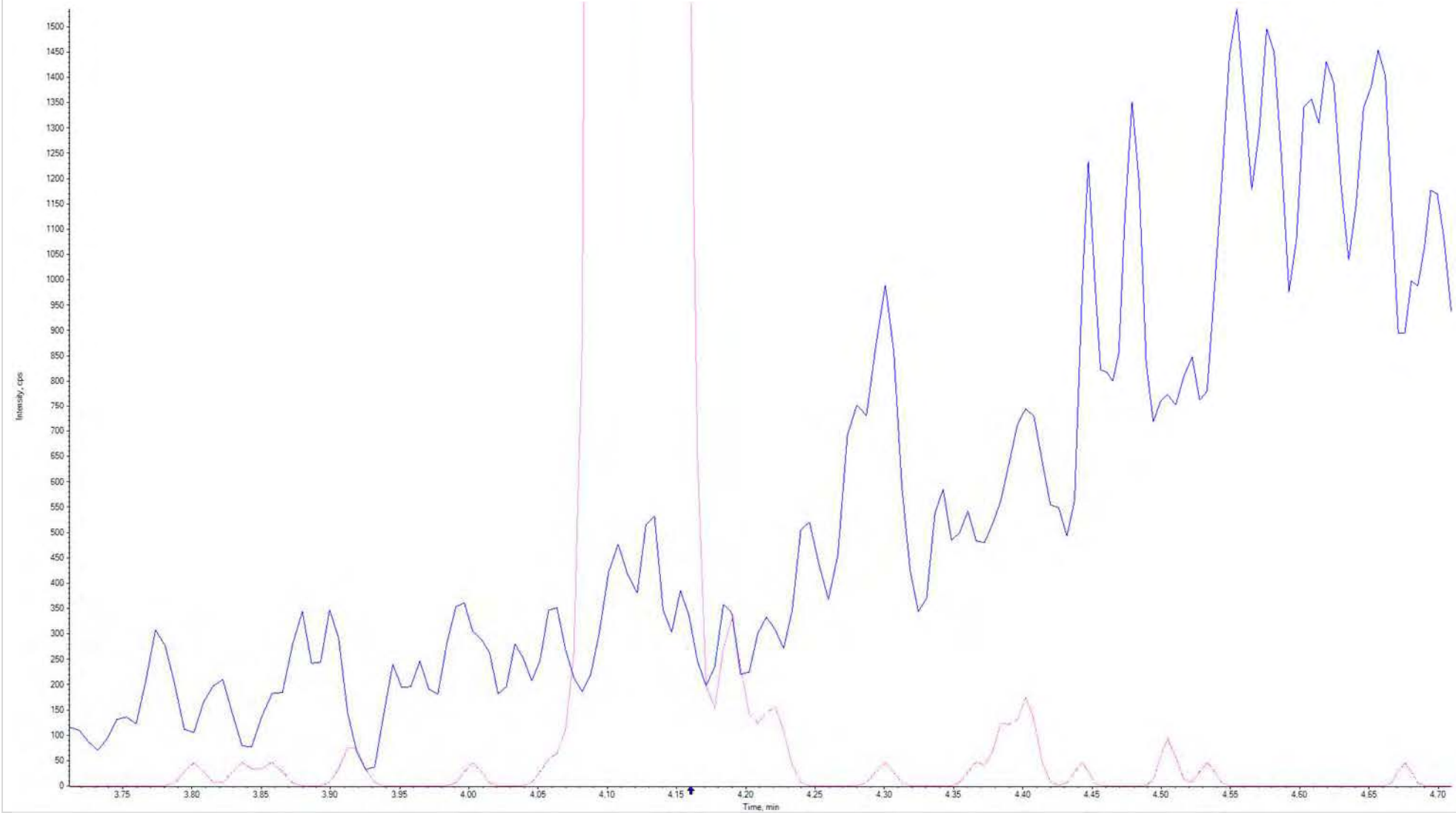
PFUnA_2
Sample: L2467934-01 S/N:N/A Points Across peak:N/A



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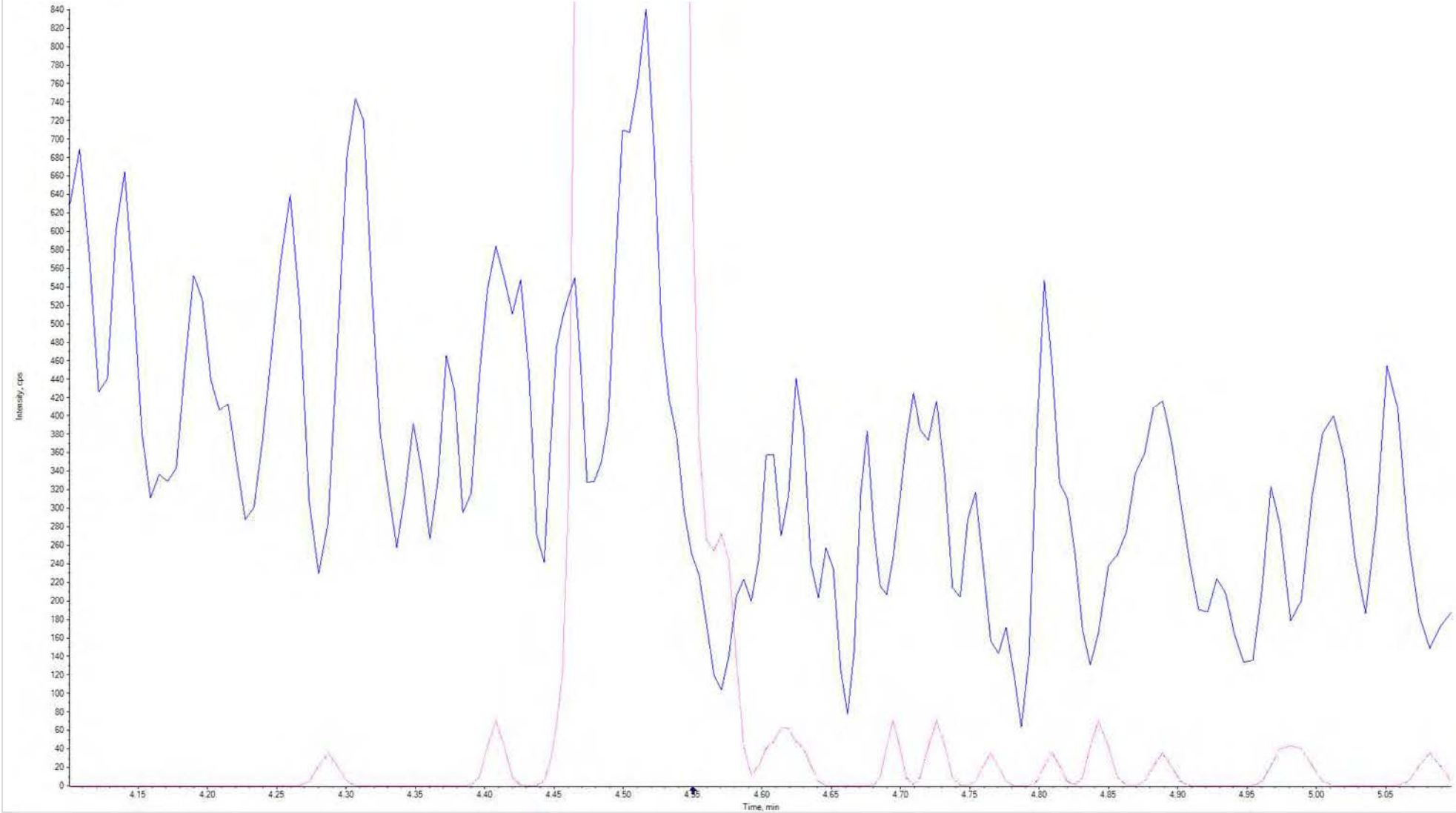
PFDoA
Sample: L2467934-01 S/N:N/A Points Across peak:N/A



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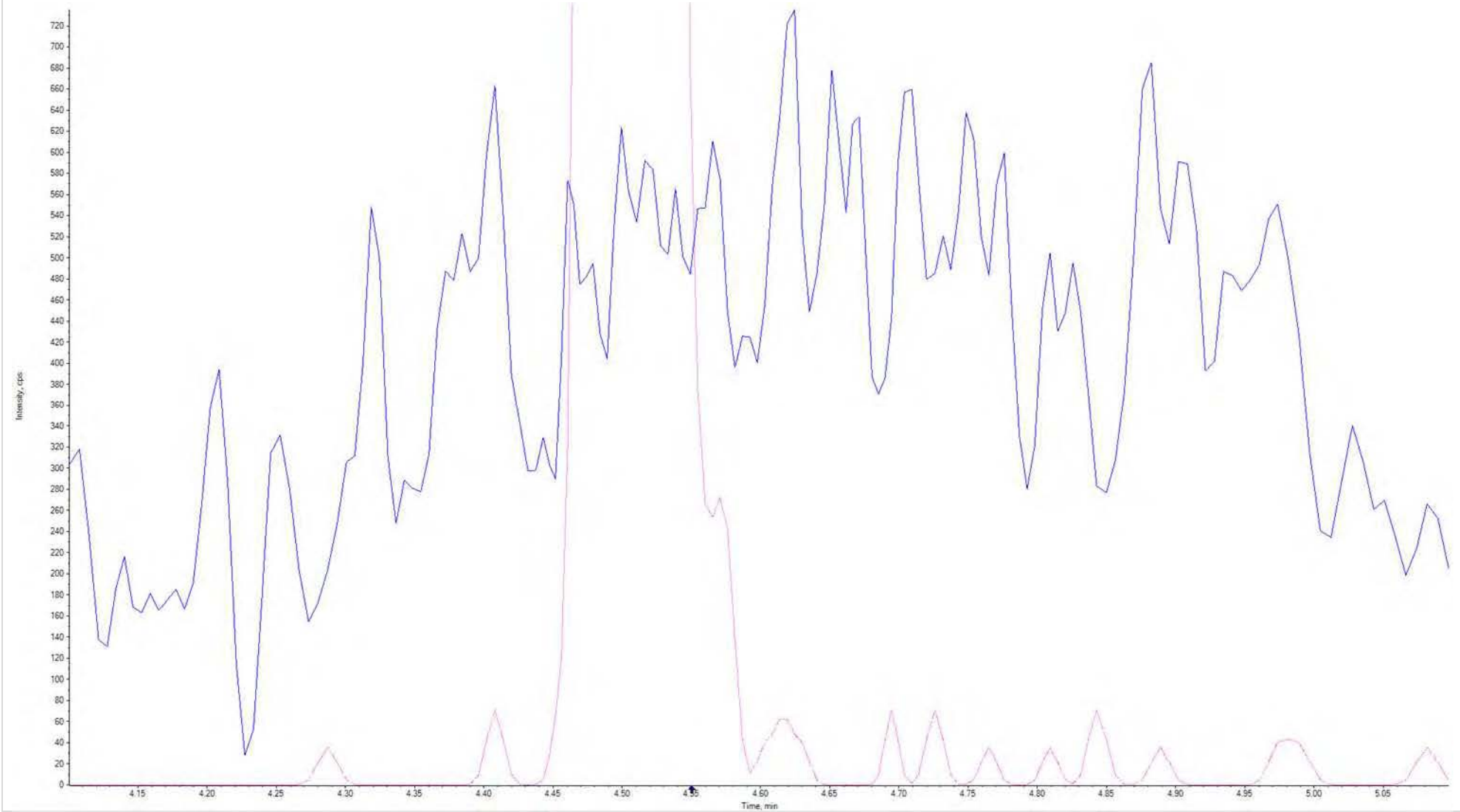
PFDoA_2
Sample: L2467934-01 S/N:N/A Points Across peak:N/A



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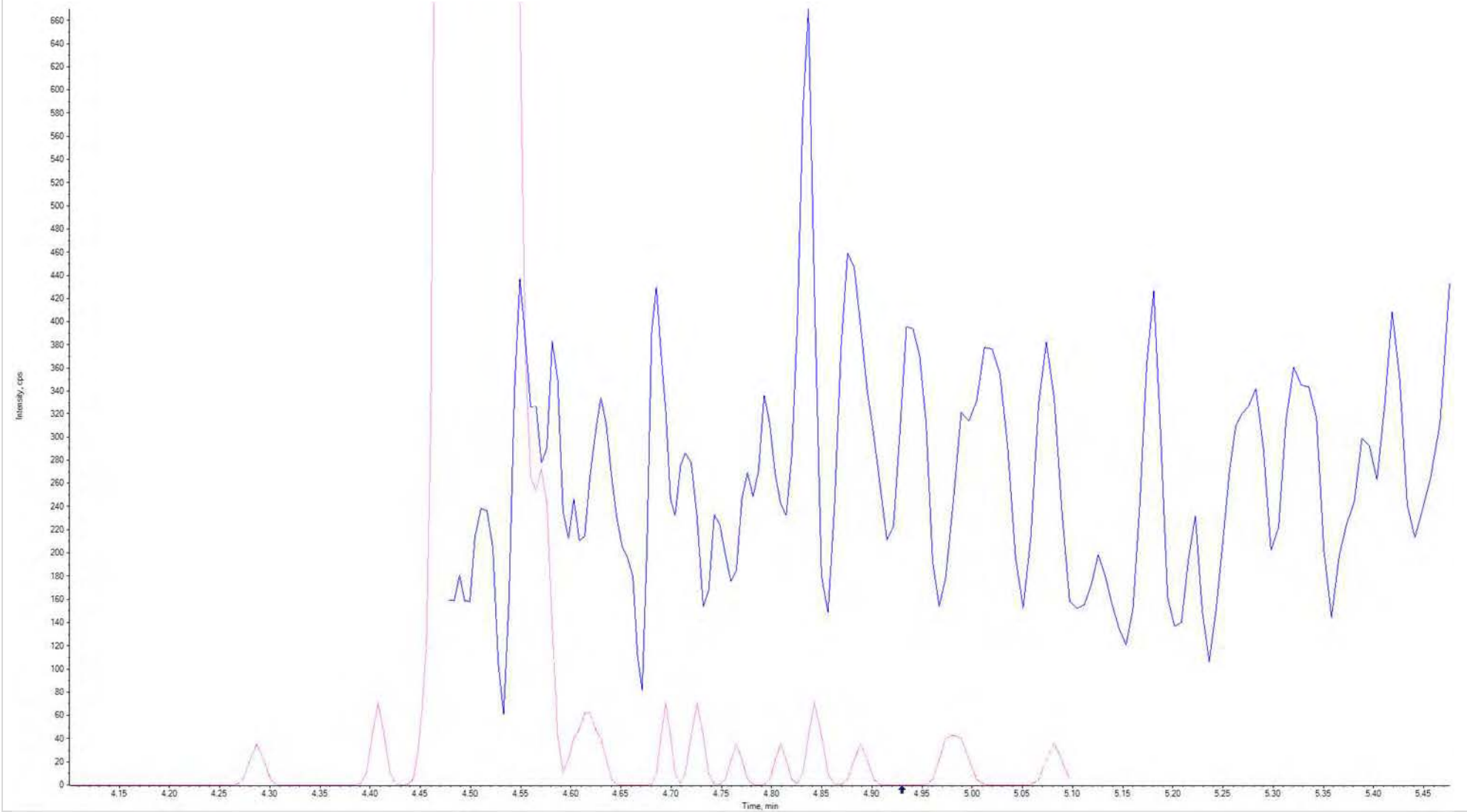
PFTrDA
Sample: L2467934-01 S/N:N/A Points Across peak:N/A



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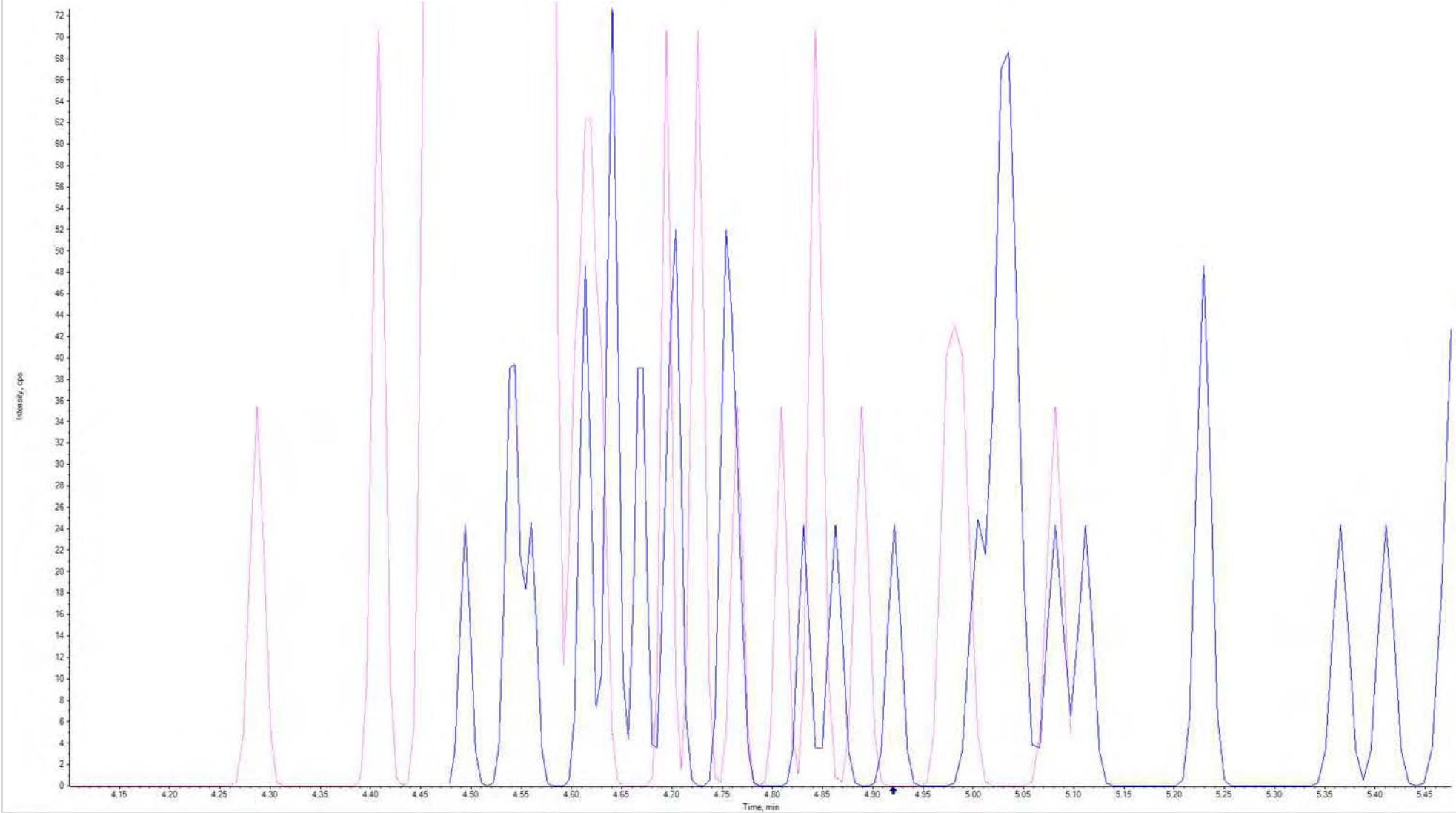
PFTrDA_2
Sample: L2467934-01 S/N:N/A Points Across peak:N/A



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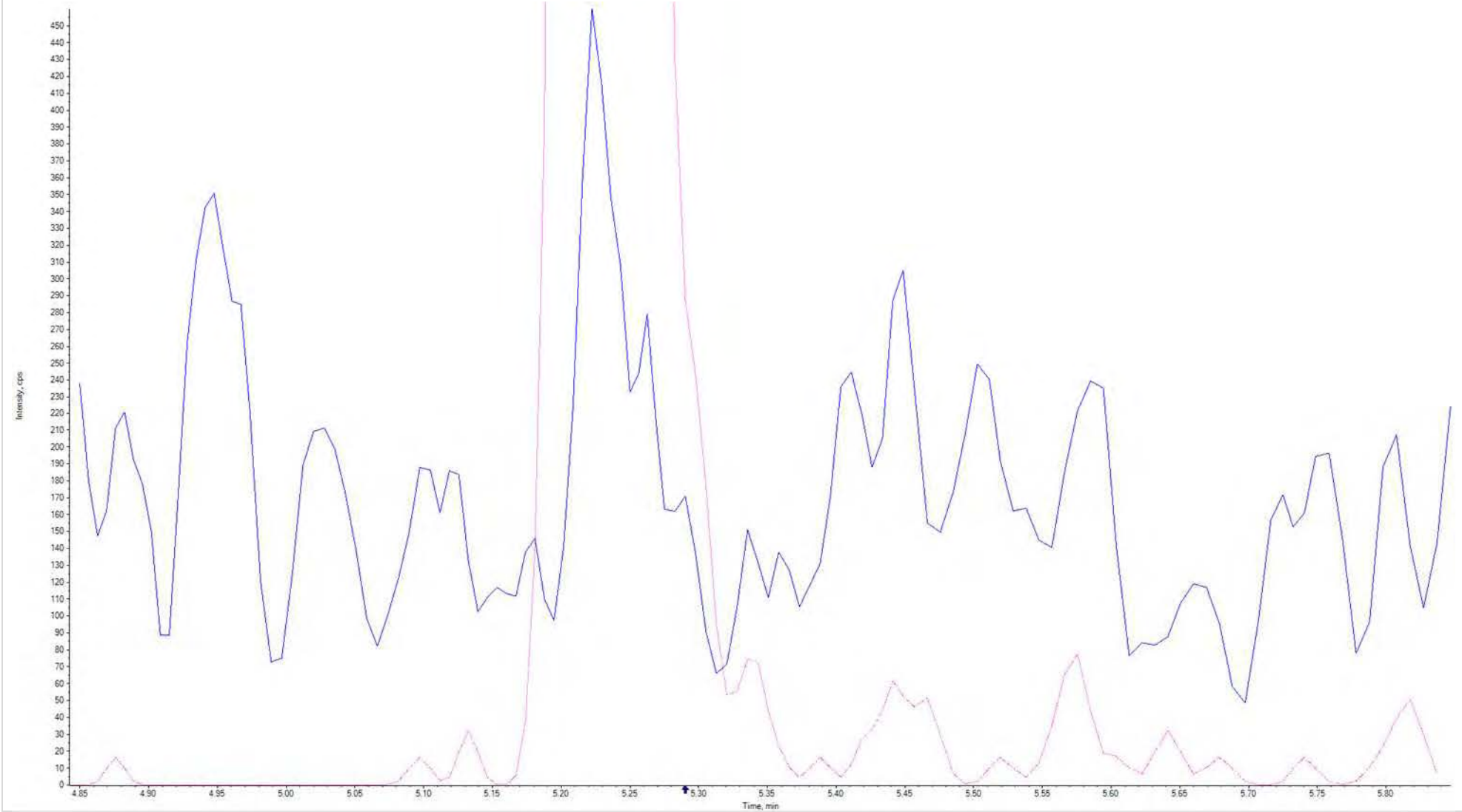
PFTeDA
Sample: L2467934-01 S/N:N/A Points Across peak:N/A



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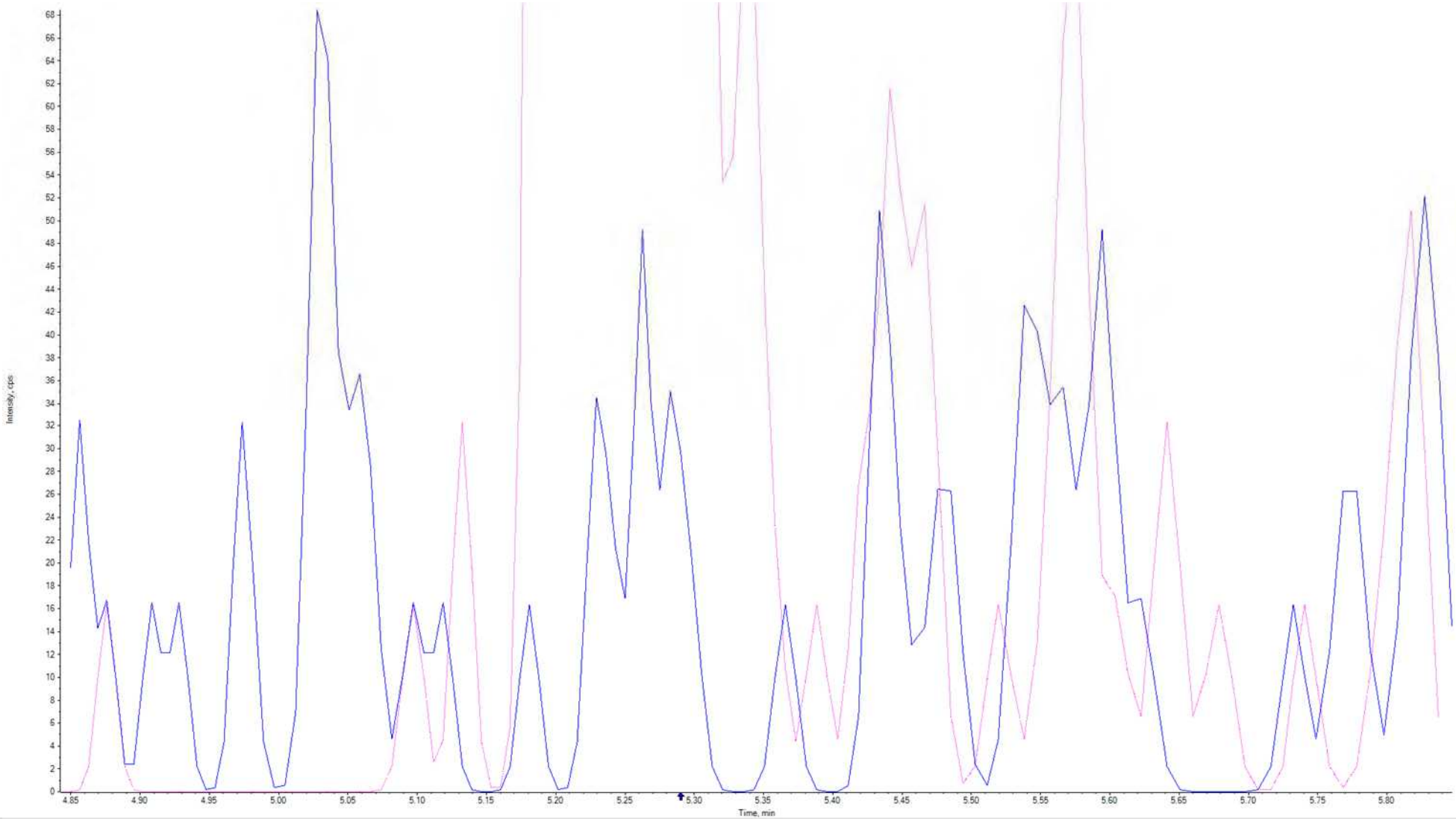
PFTeDA_2
Sample: L2467934-01 S/N:N/A Points Across peak:N/A



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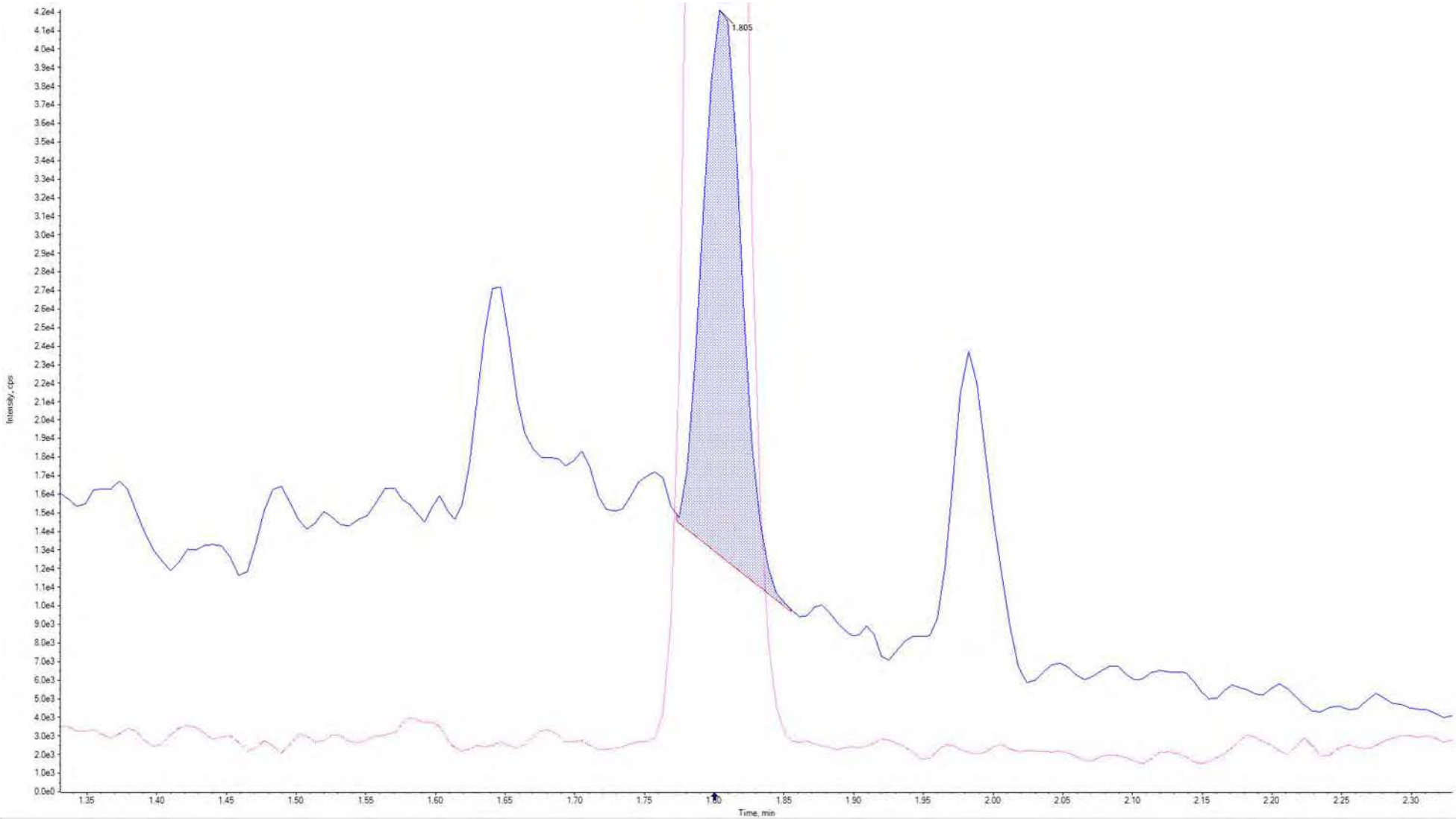
PFBS
Sample: L2467934-01 S/N:73.1 Points Across peak:16



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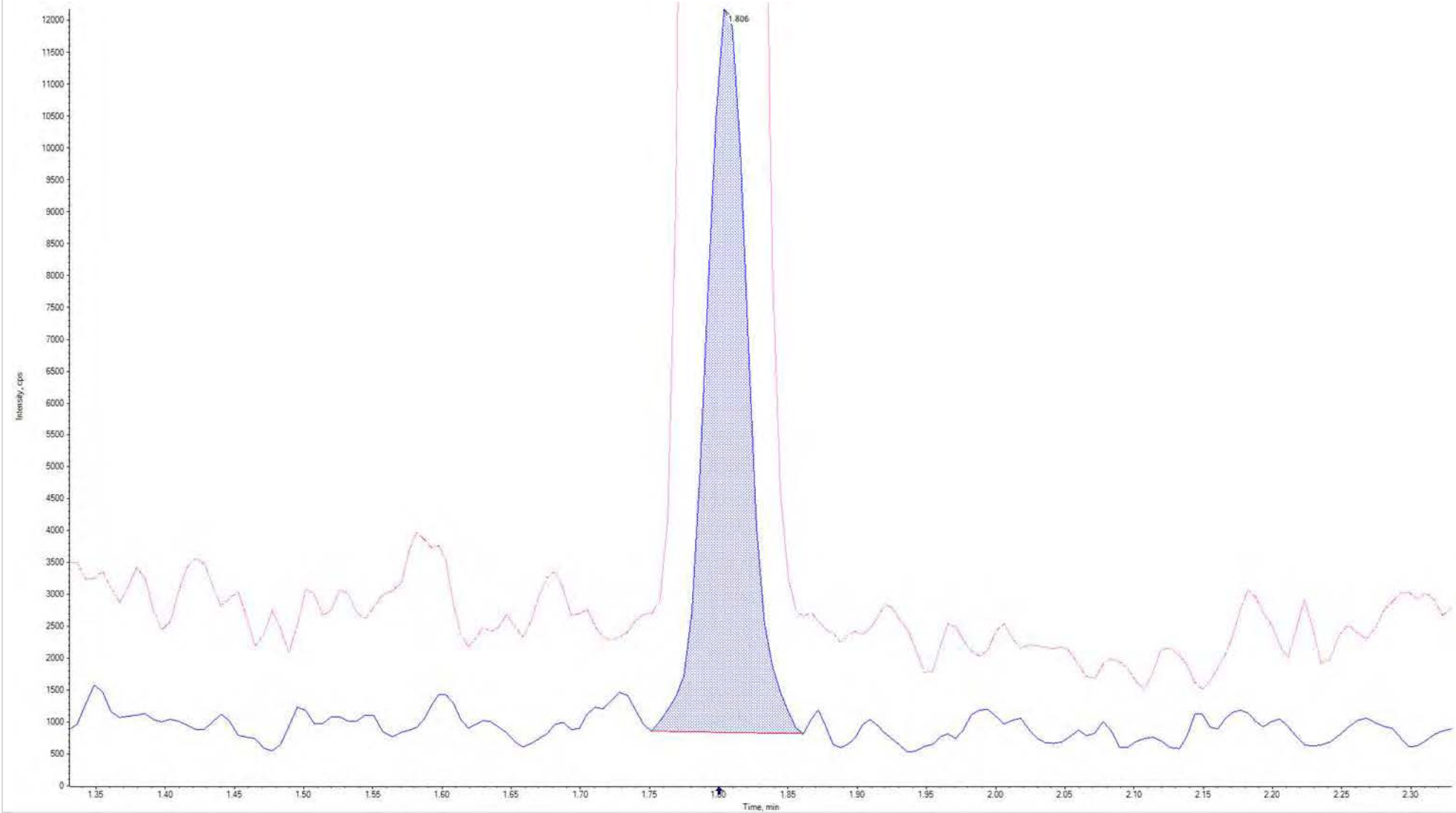
PFBS_2
Sample: L2467934-01 S/N:132.8 Points Across peak:20



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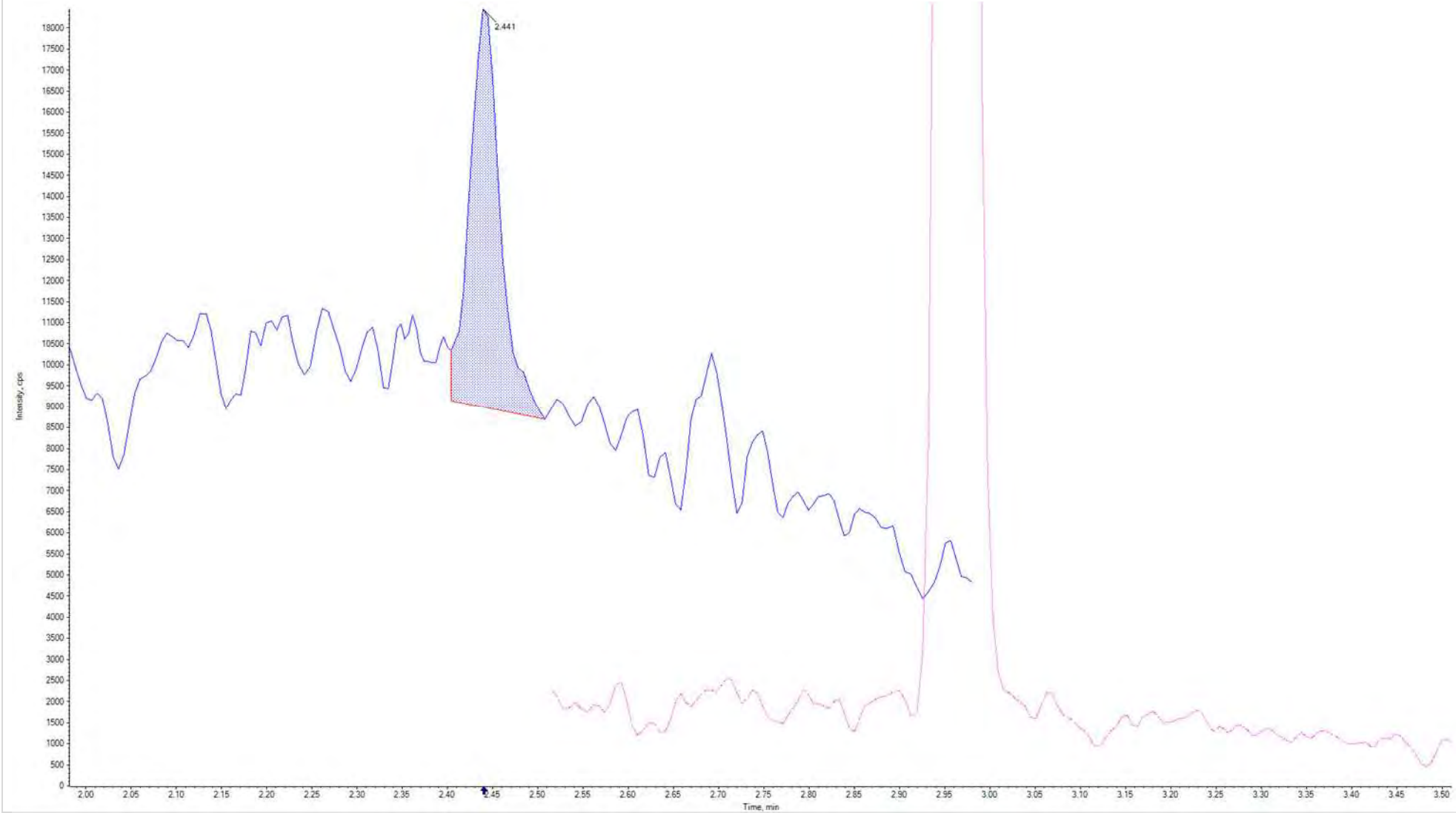
PFPeS
Sample: L2467934-01 S/N:38.8 Points Across peak:20



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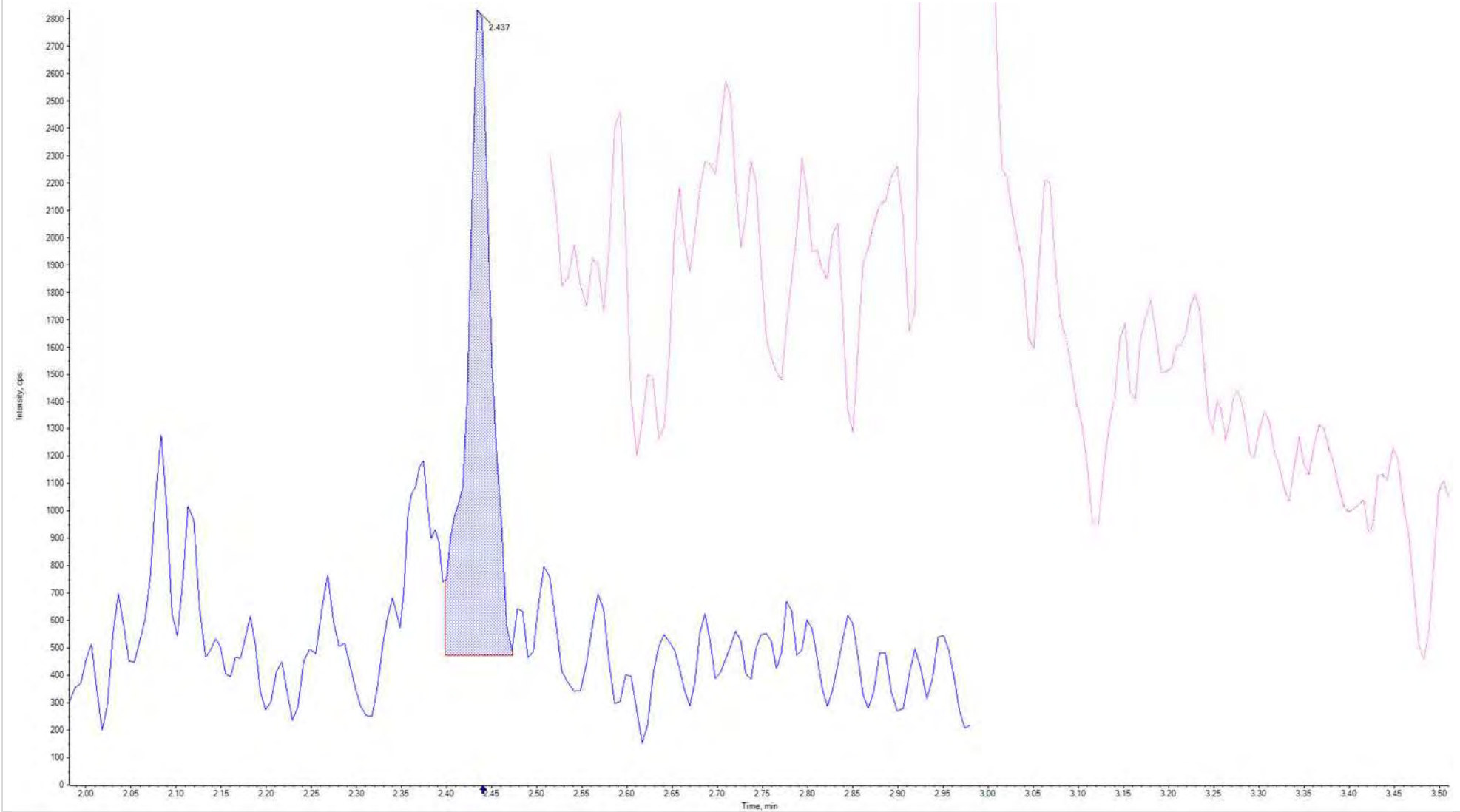
Generated: 12/23/2024 2:36:12 PM

PFPeS_2
Sample: L2467934-01 S/N:41.1 Points Across peak:17



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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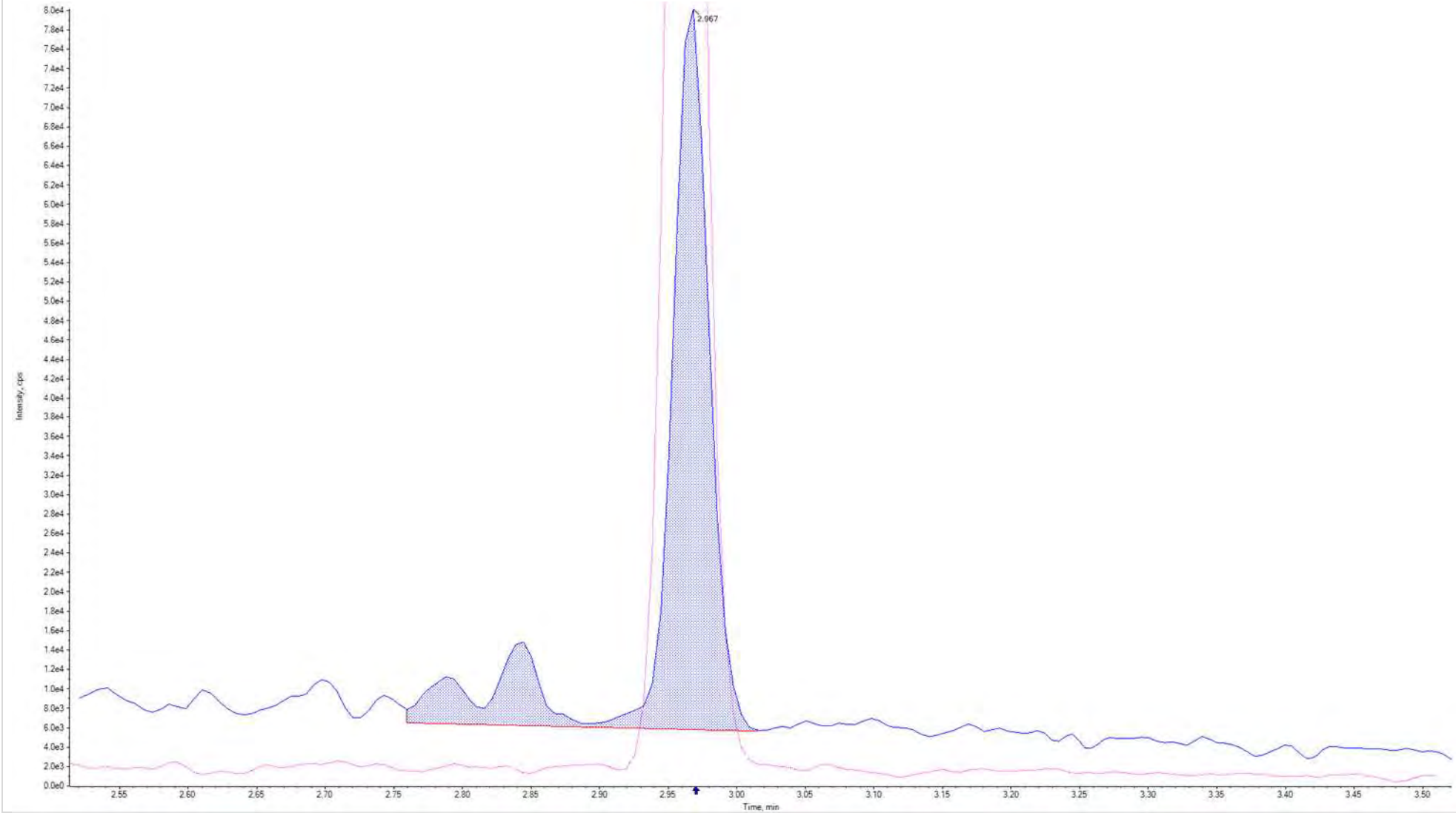
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFHxS
Sample: L2467934-01 S/N:129.8 Points Across peak:45



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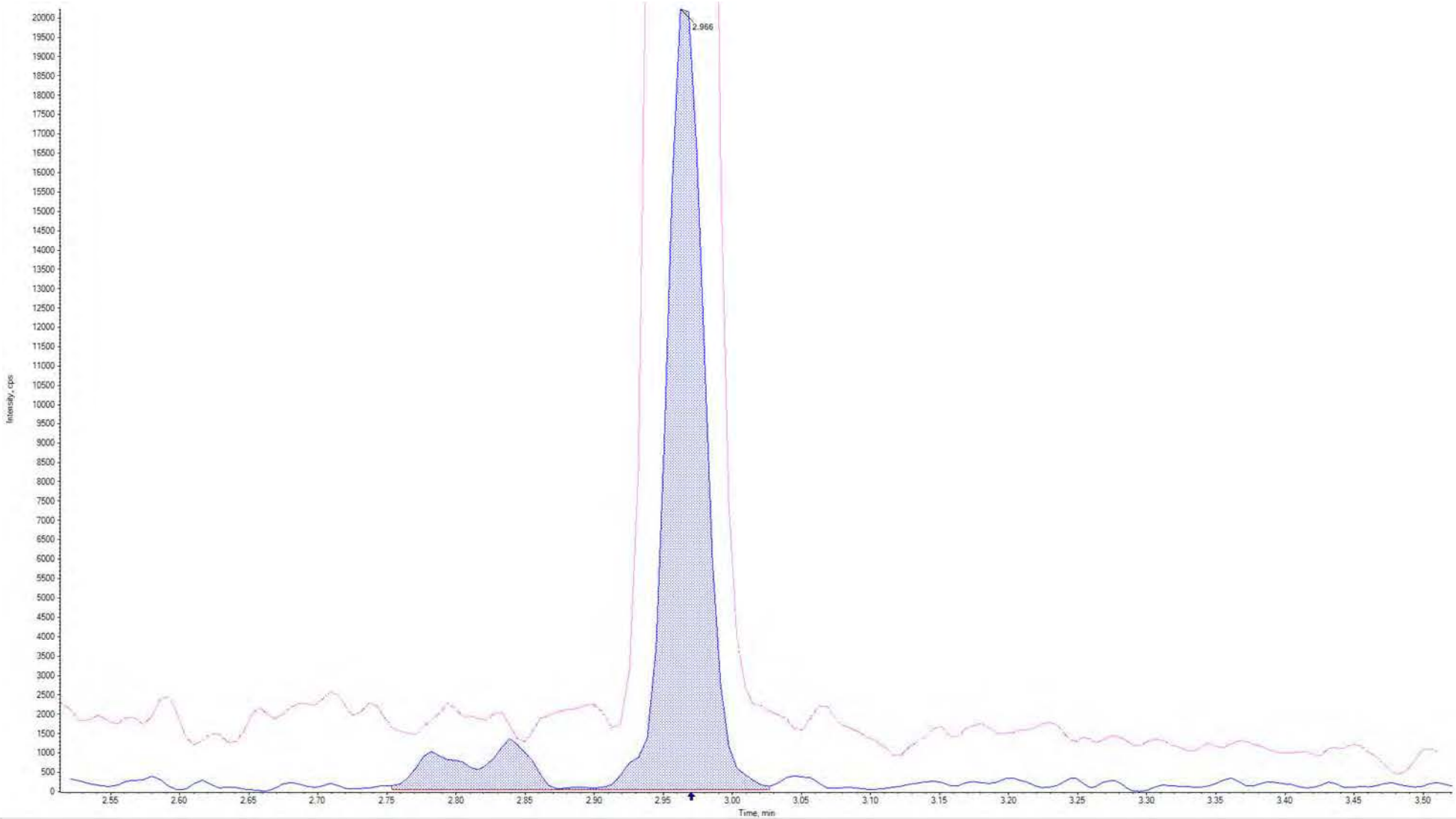
PFHxS_2
Sample: L2467934-01 S/N:259.0 Points Across peak:48



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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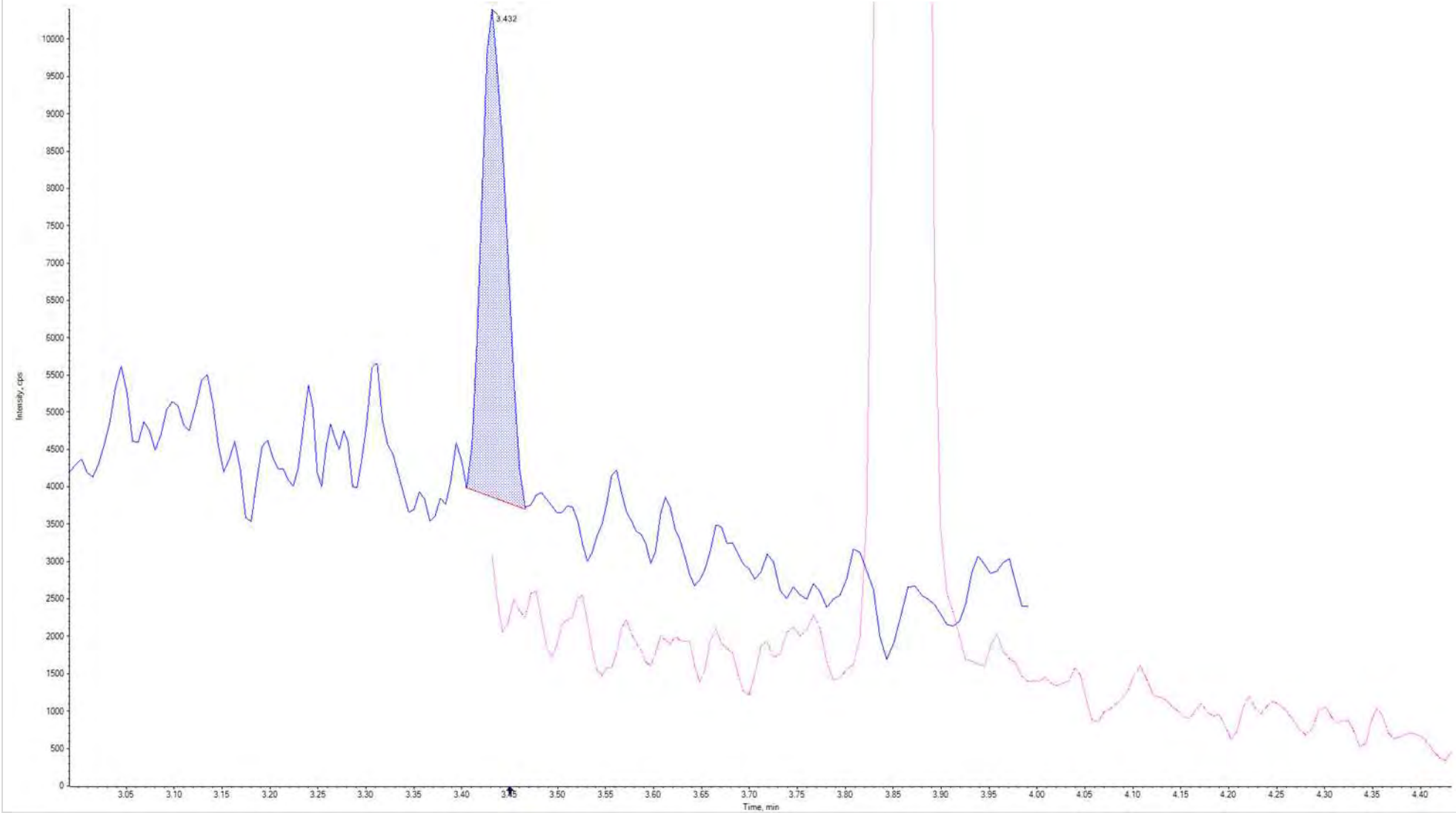
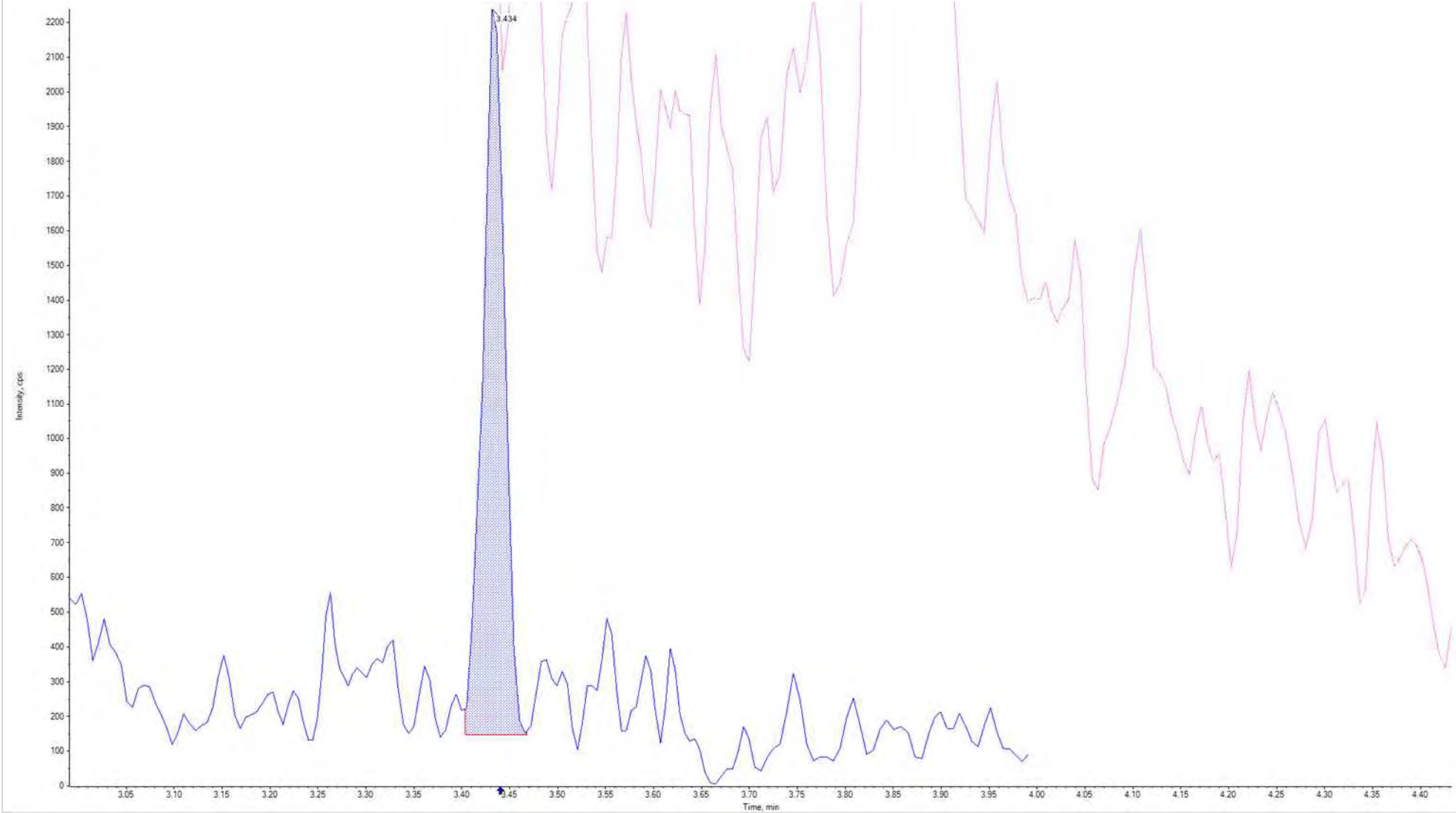
Generated: 12/23/2024 2:36:12 PM

PFHpS
Sample: L2467934-01 S/N:40.6 Points Across peak:14



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_22.wiff2_7
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFHpS_2
Sample: L2467934-01 S/N:41.9 Points Across peak:14



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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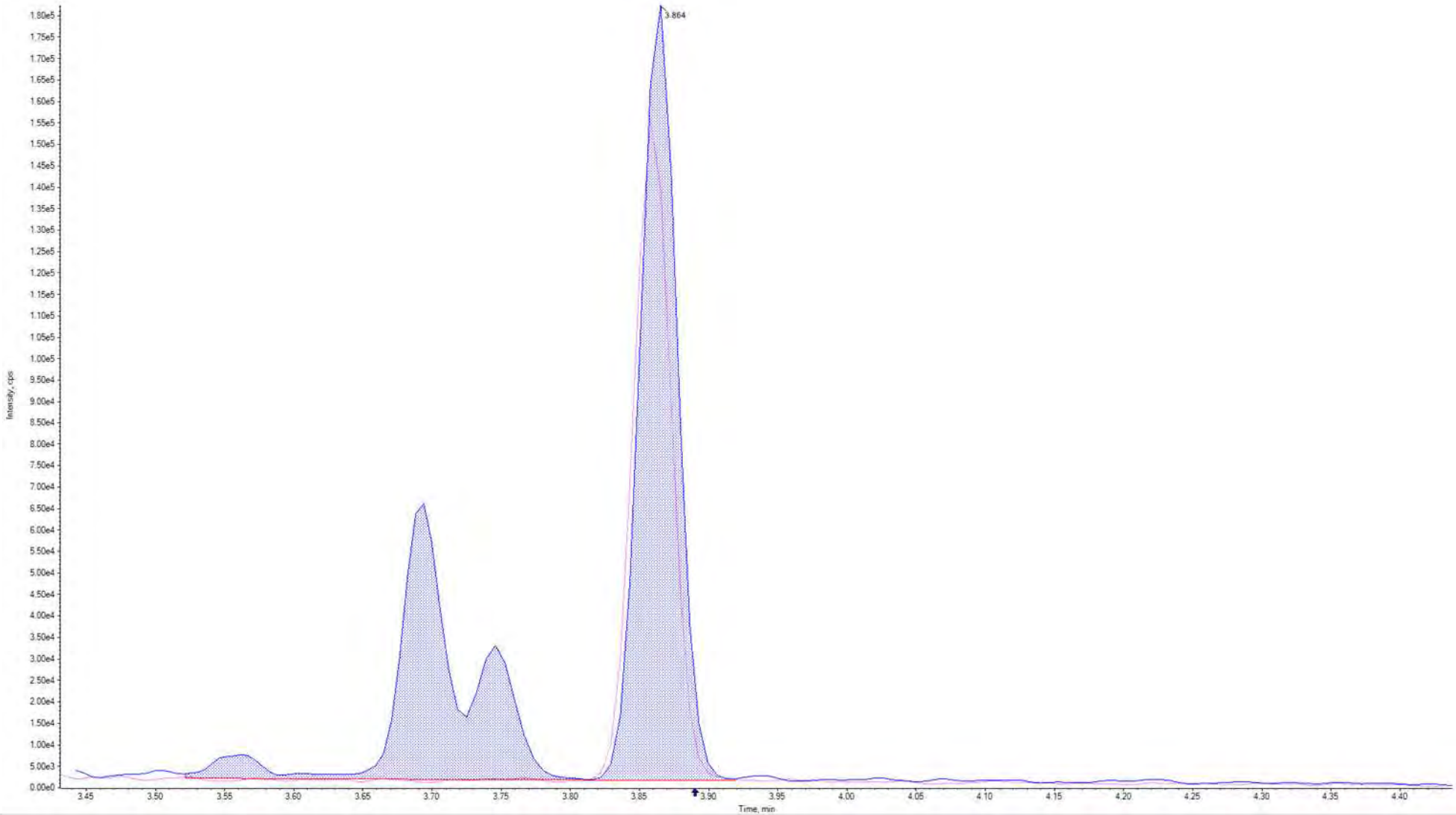
PFOS
Sample: L2467934-01 S/N:190.4 Points Across peak:68



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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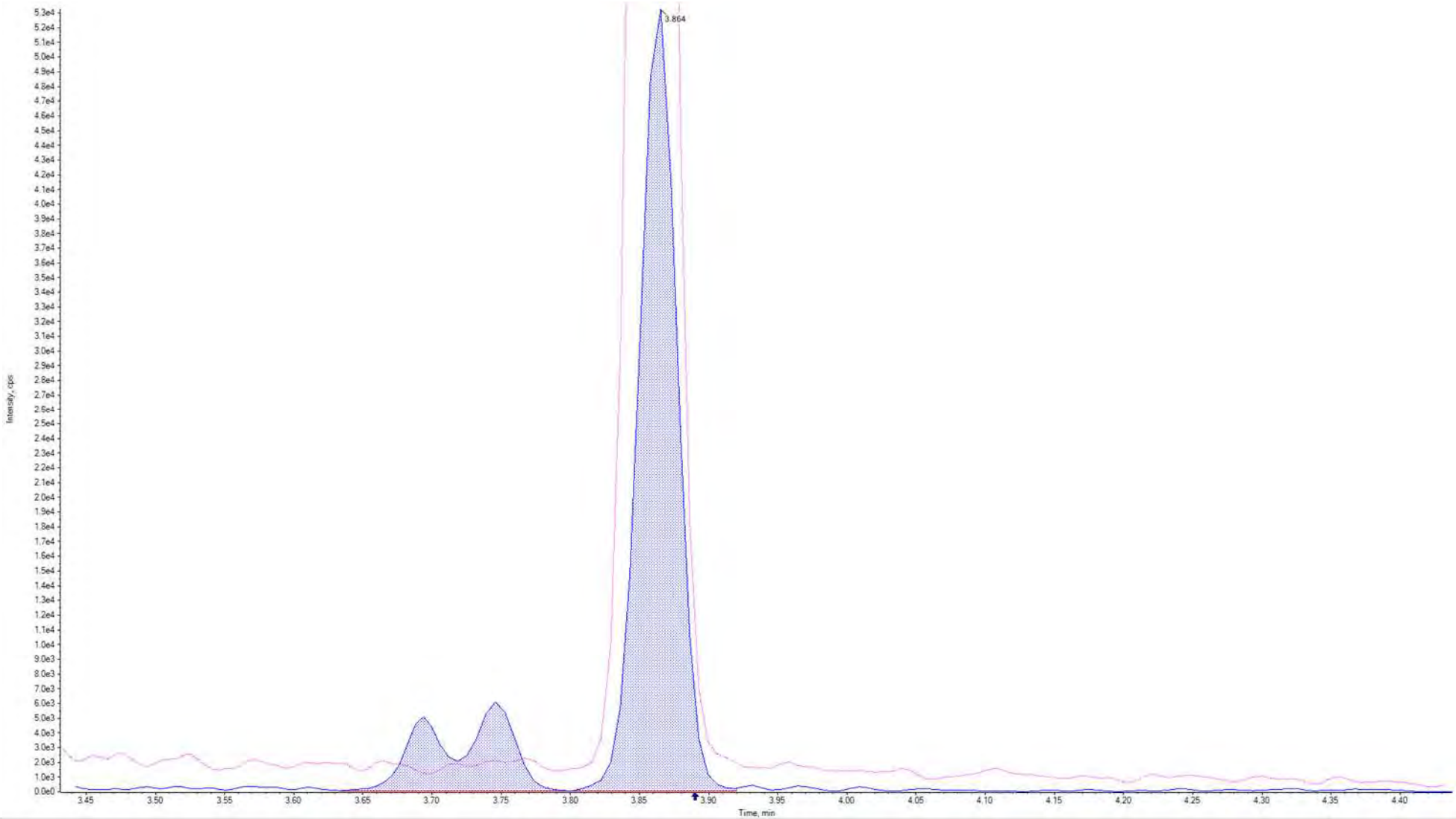
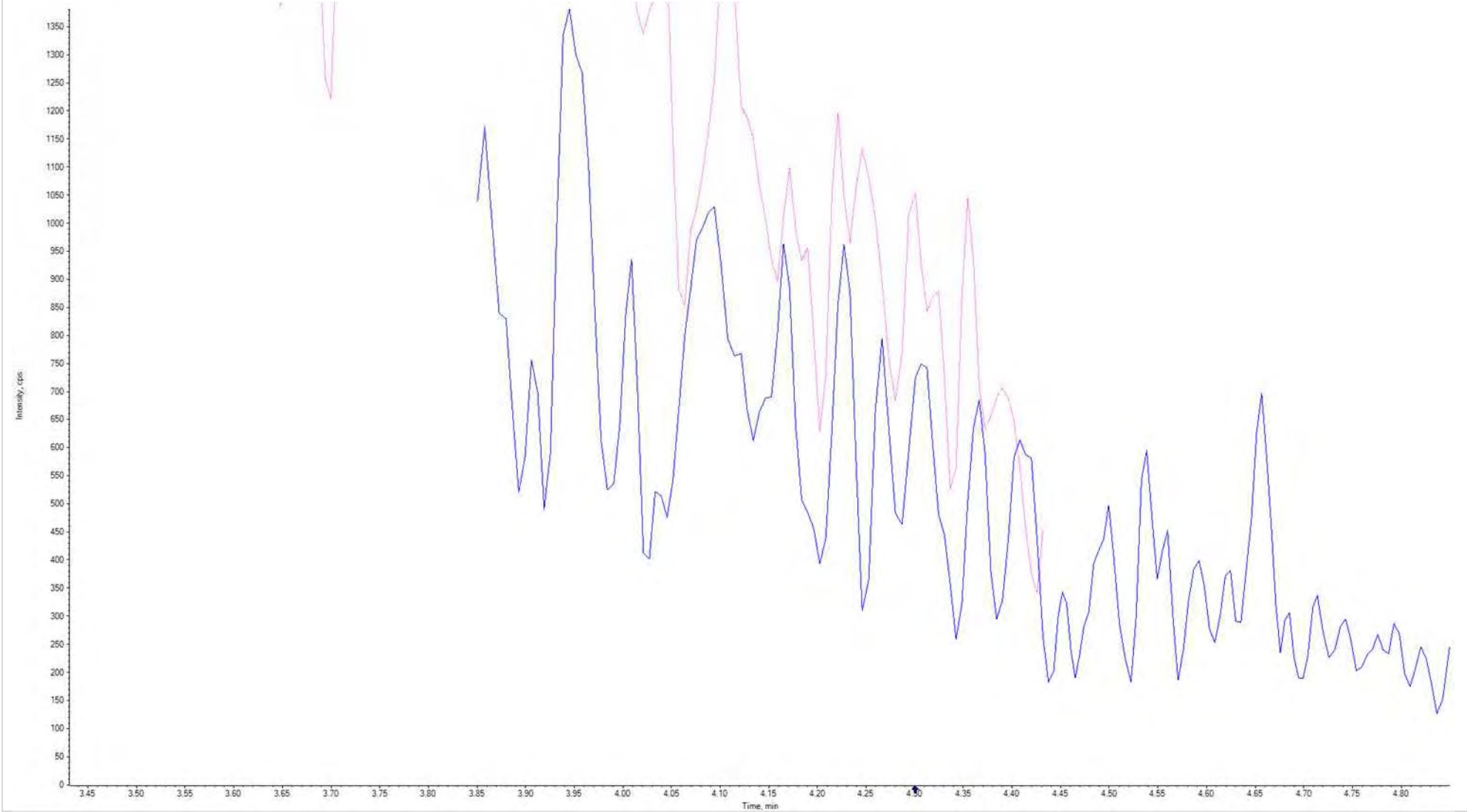
PFOS_2
Sample: L2467934-01 S/N:387.3 Points Across peak:46



PFNS
Sample: L2467934-01 S/N:N/A Points Across peak:N/A



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Alpha Analytical LLC
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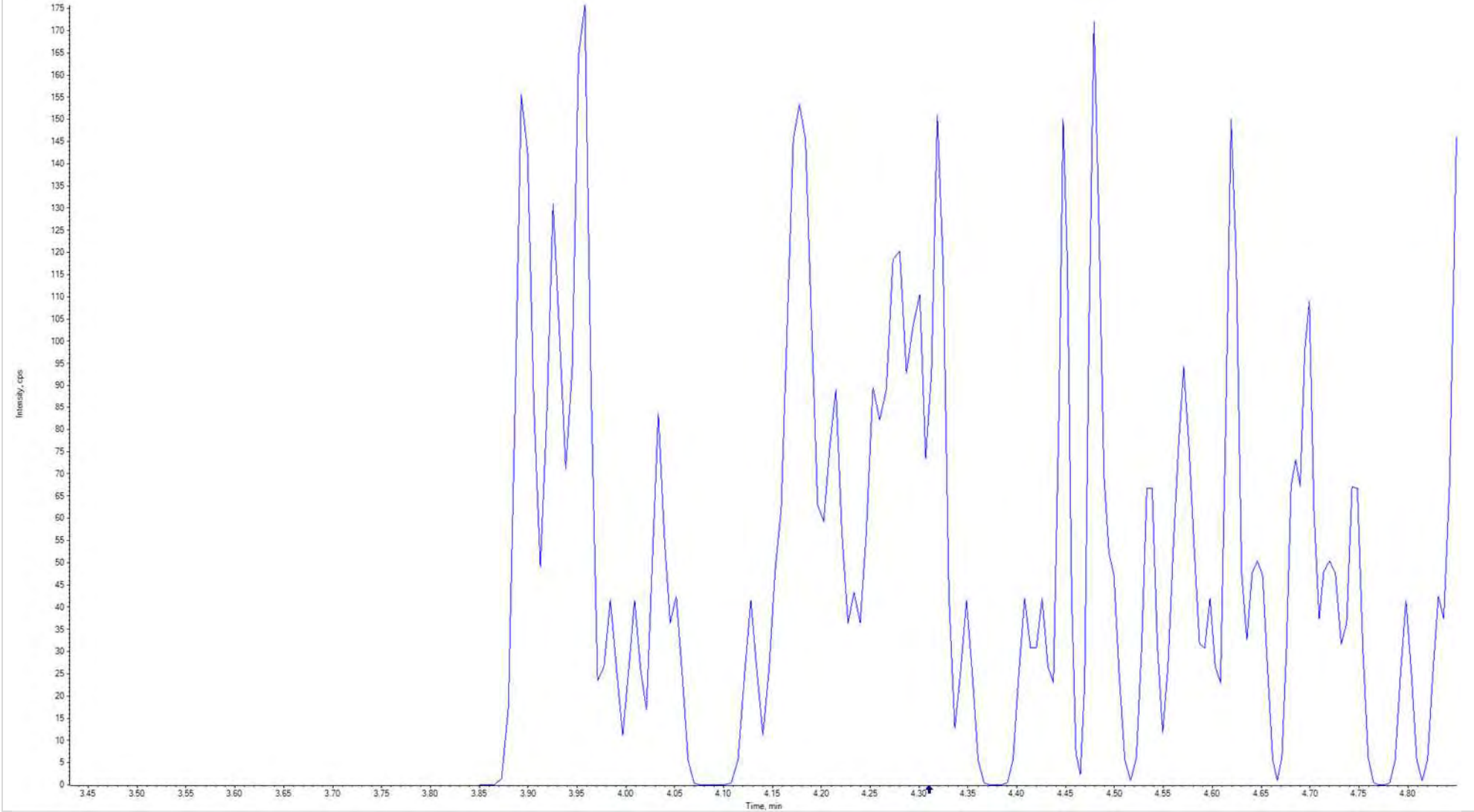
PFNS_2
Sample: L2467934-01 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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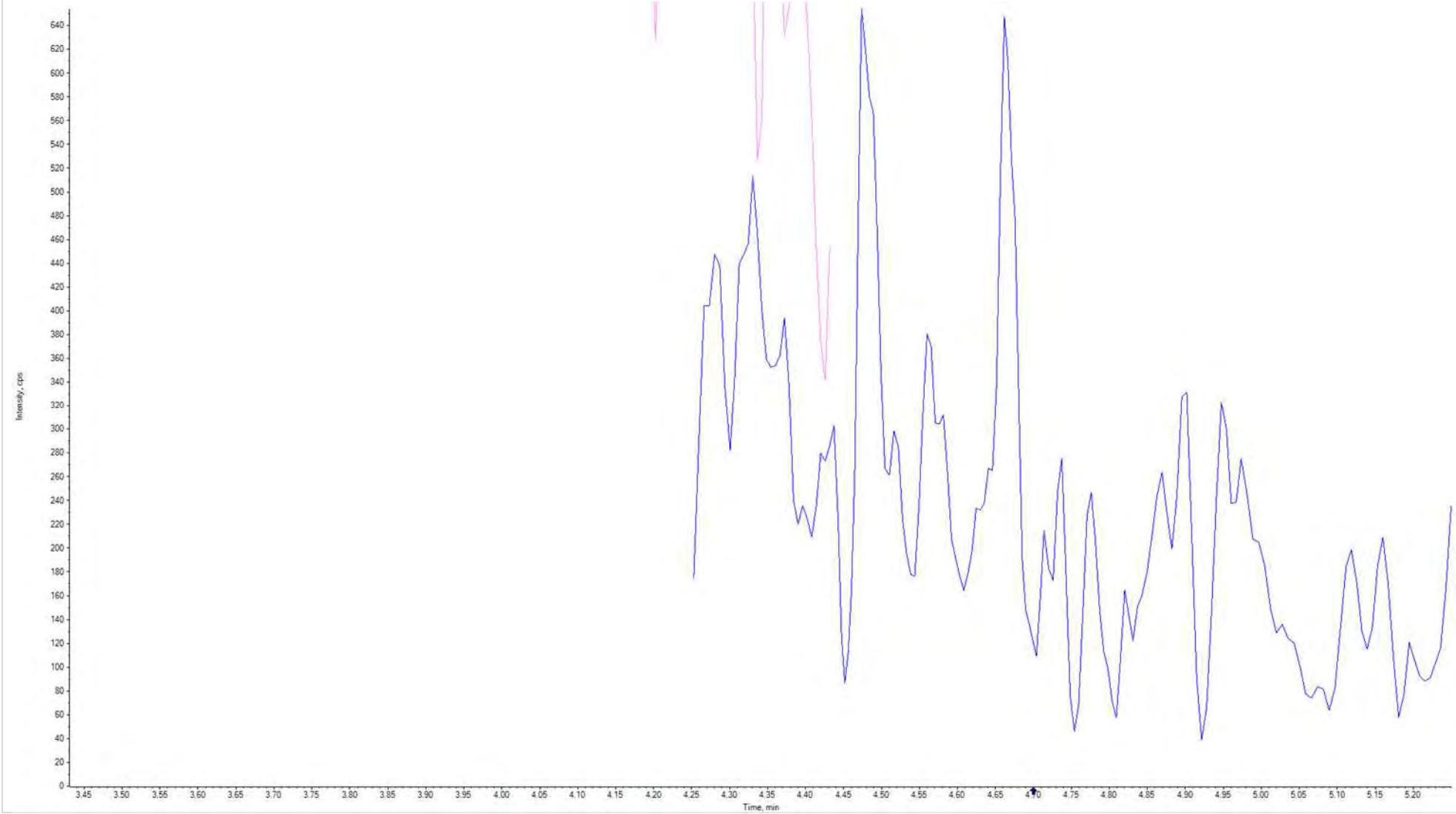
PFDS
Sample: L2467934-01 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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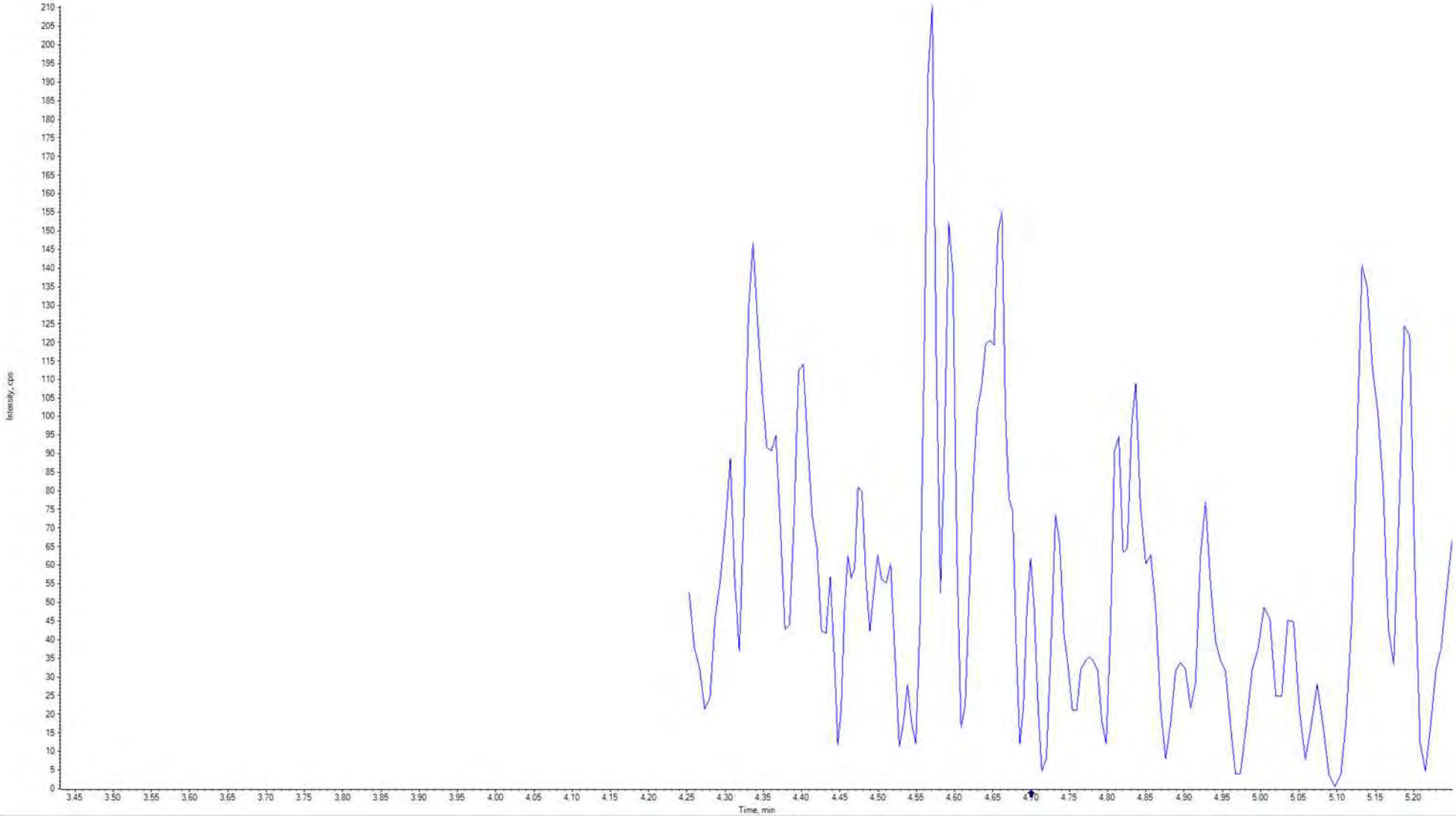
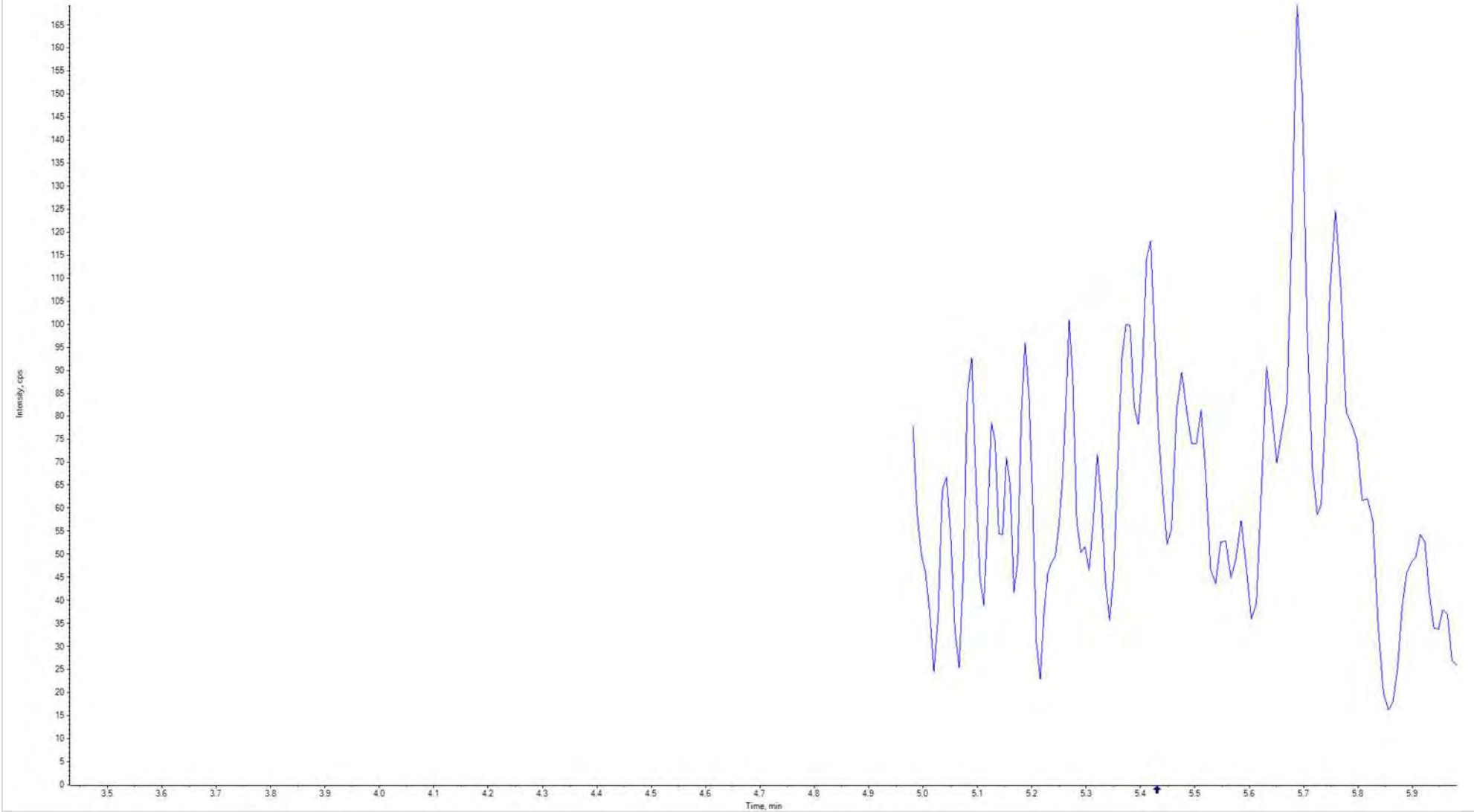
PFDS_2
Sample: L2467934-01 S/N:N/A Points Across peak:N/A



PFDoS
Sample: L2467934-01 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/24/2024 7:52:08 AM
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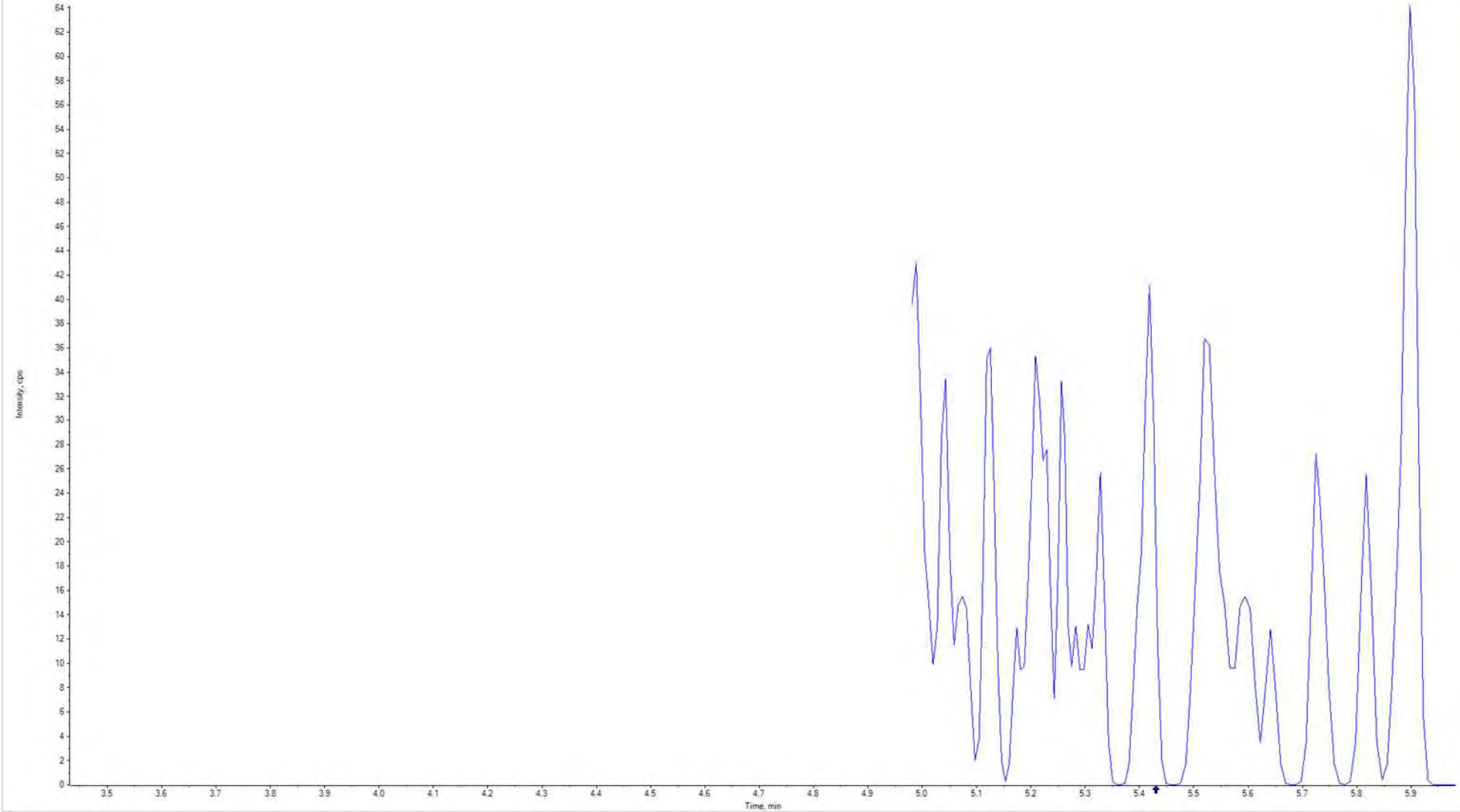
PFDoS_2
Sample: L2467934-01 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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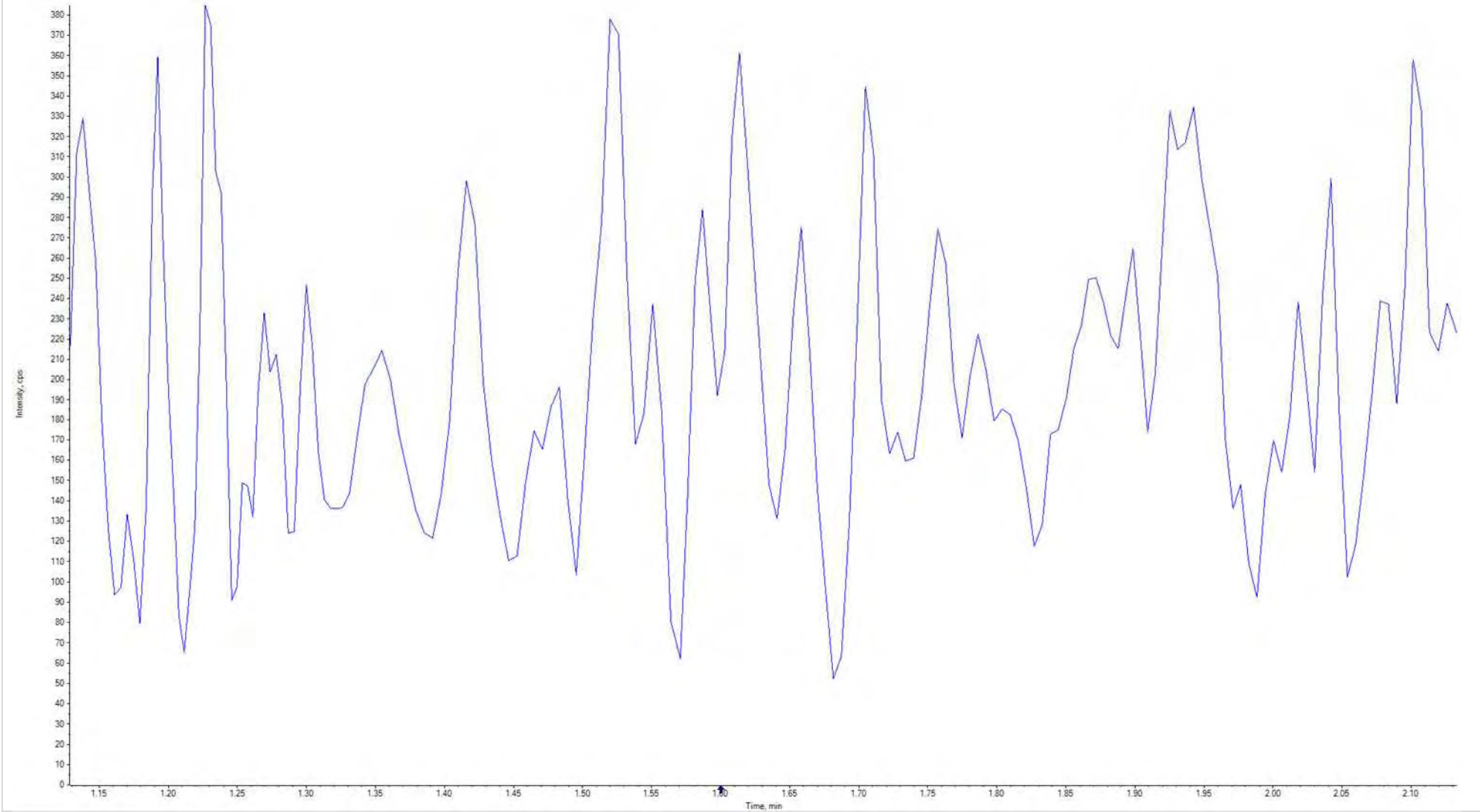
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

4:2FTS
Sample: L2467934-01 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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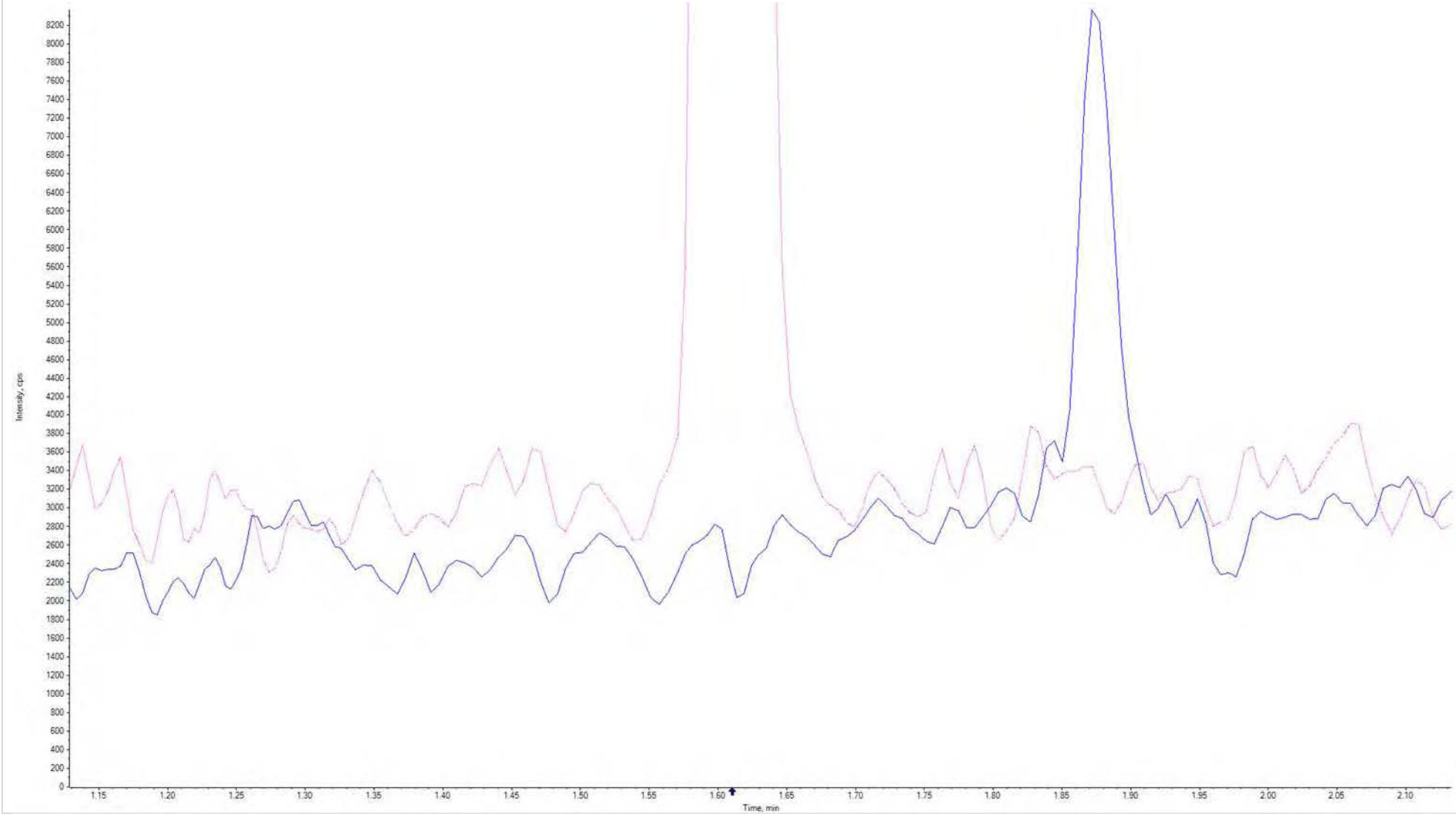
4:2FTS_2
Sample: L2467934-01 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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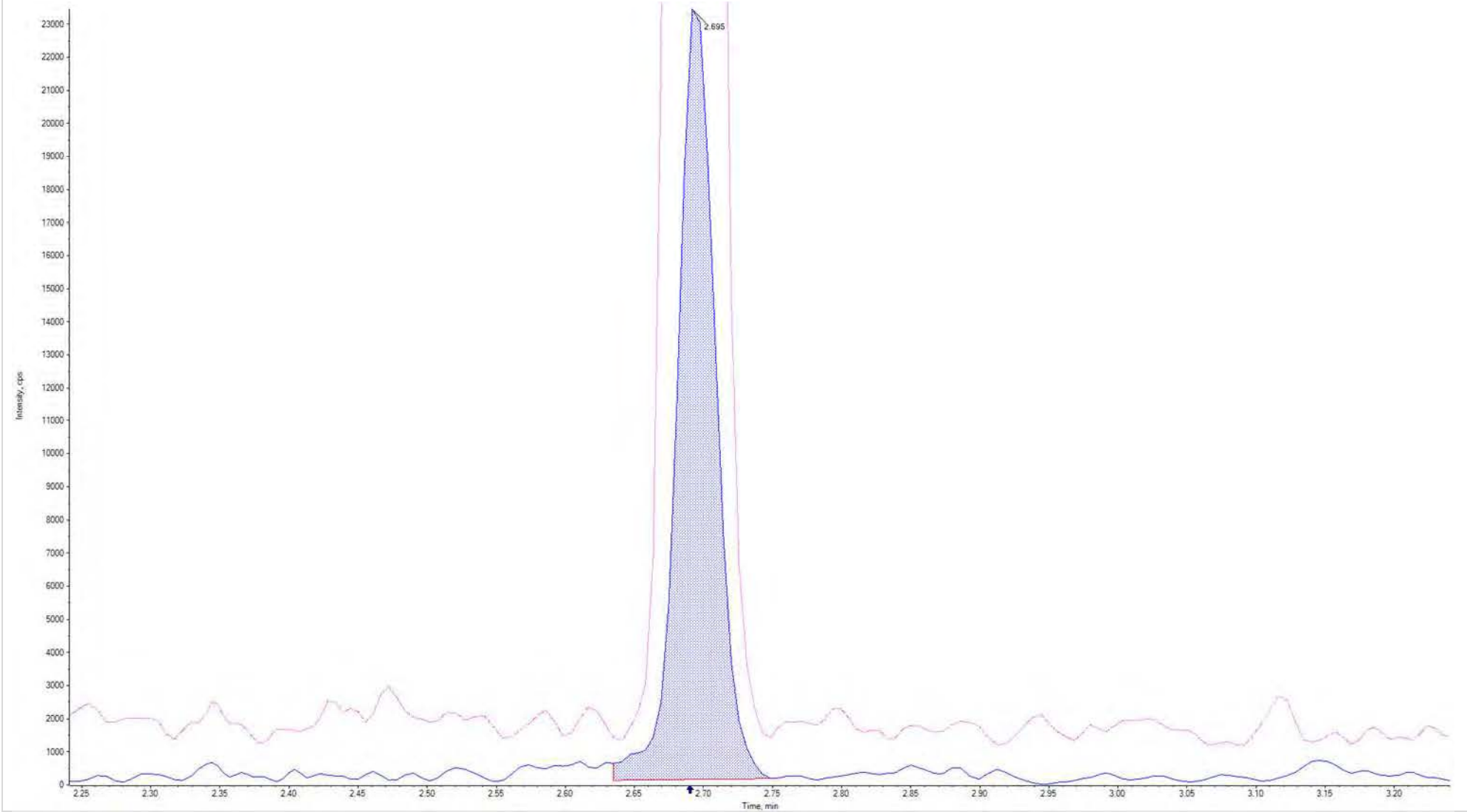
6:2FTS
Sample: L2467934-01 S/N:466.9 Points Across peak:21



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/24/2024 7:52:08 AM
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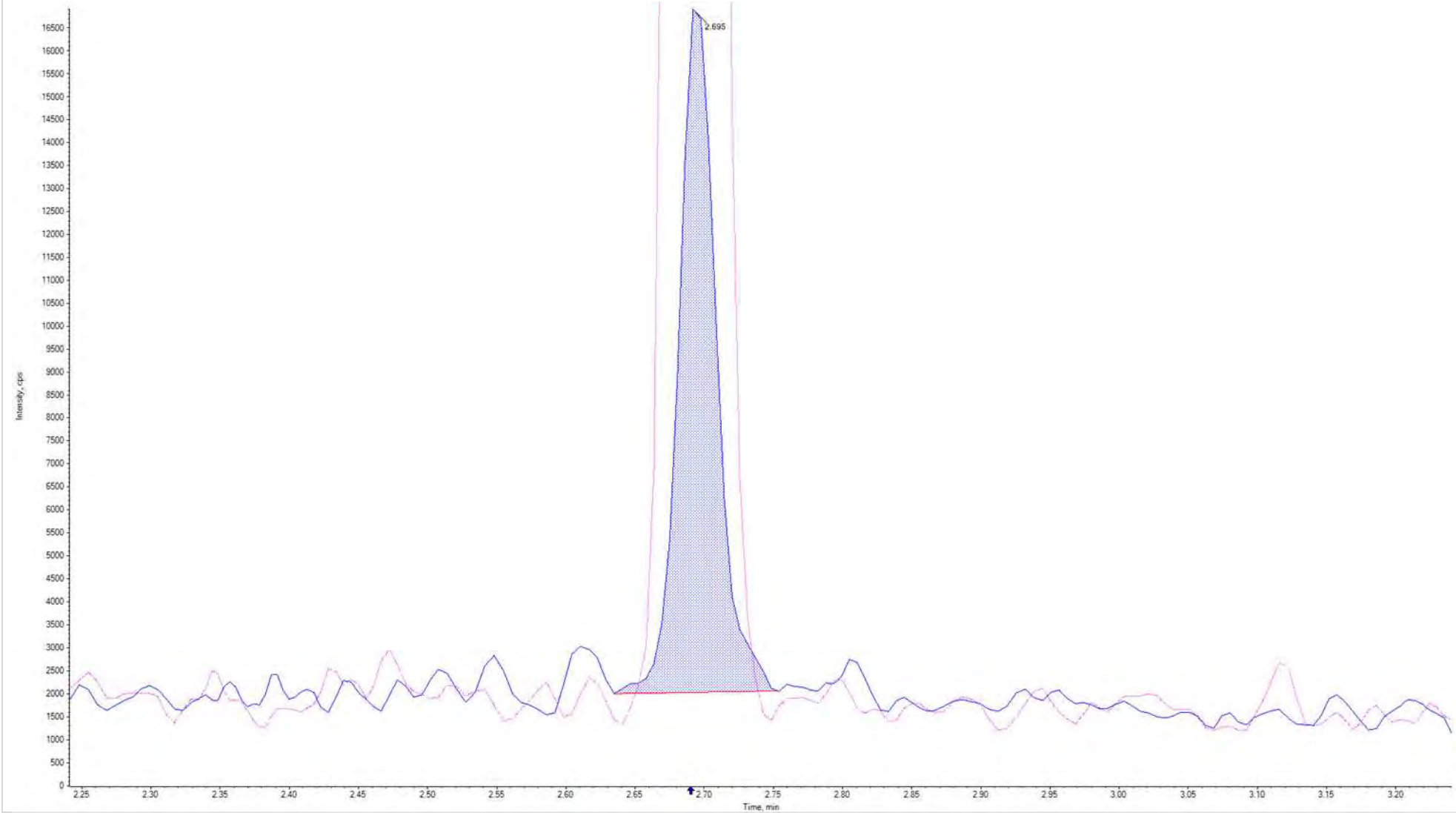
6:2FTS_2
Sample: L2467934-01 S/N:111.0 Points Across peak:22



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Alpha Analytical LLC
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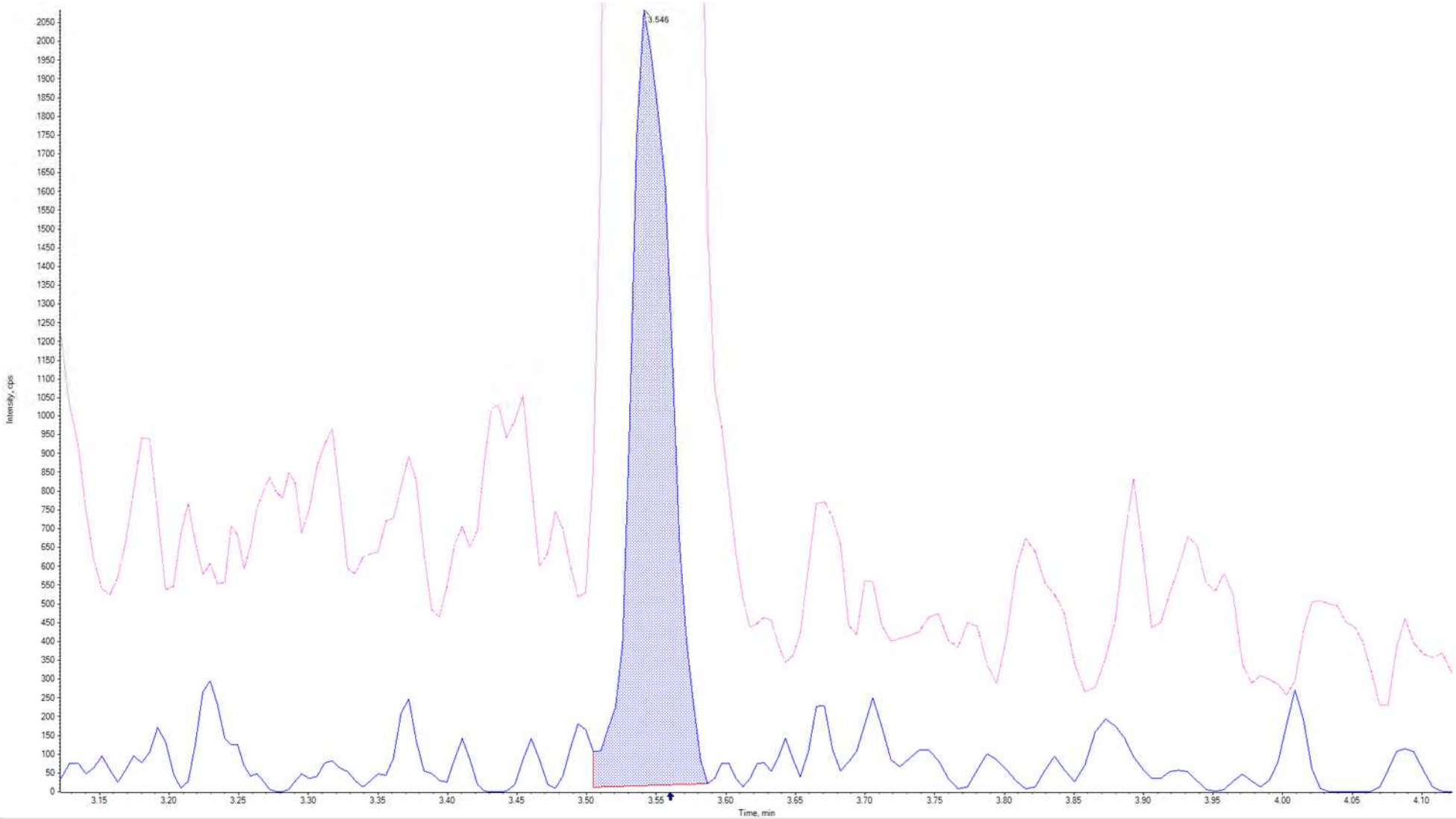
8:2FTS
Sample: L2467934-01 S/N:41.5 Points Across peak:17



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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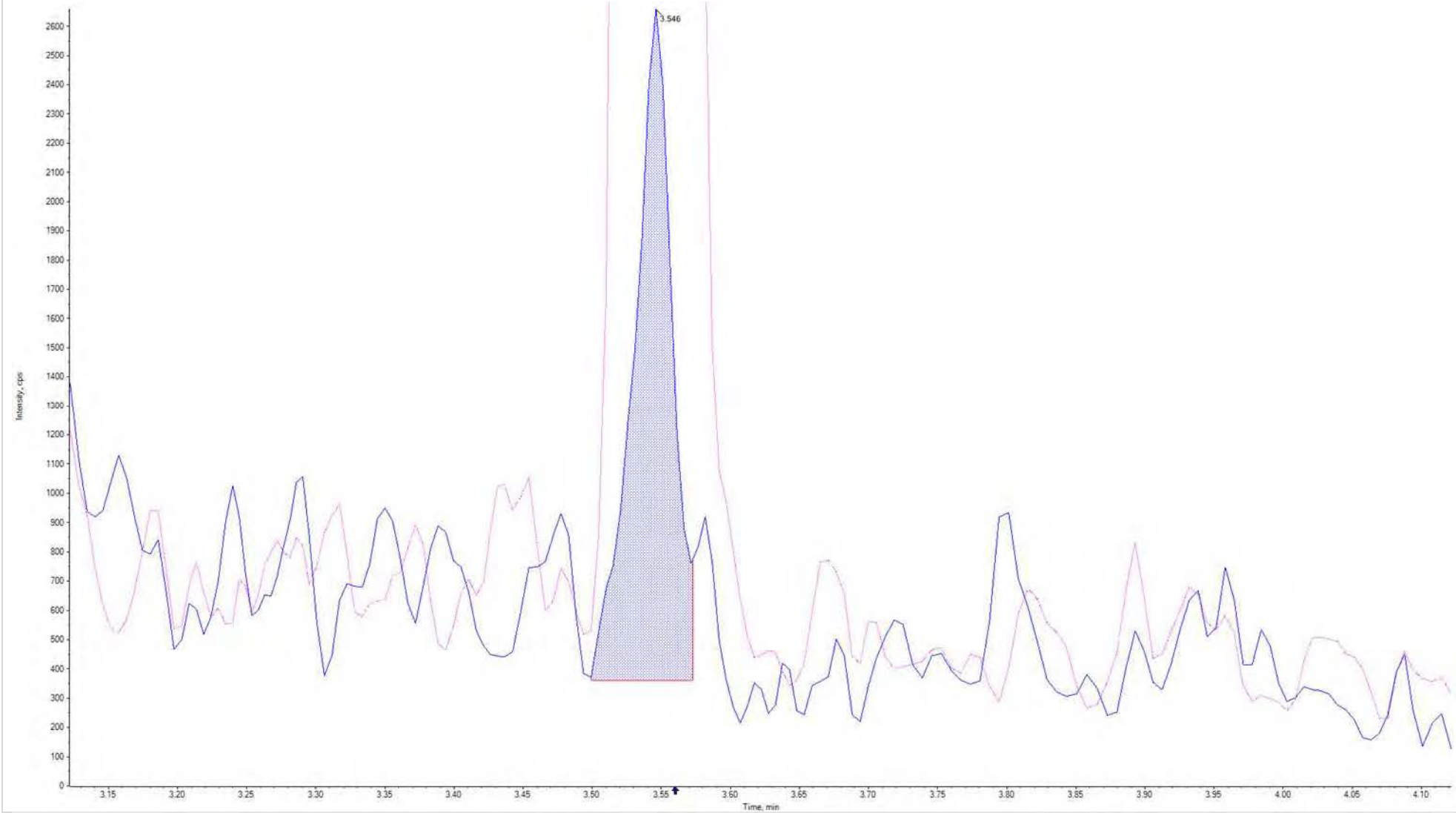
8:2FTS_2
Sample: L2467934-01 S/N:46.1 Points Across peak:16



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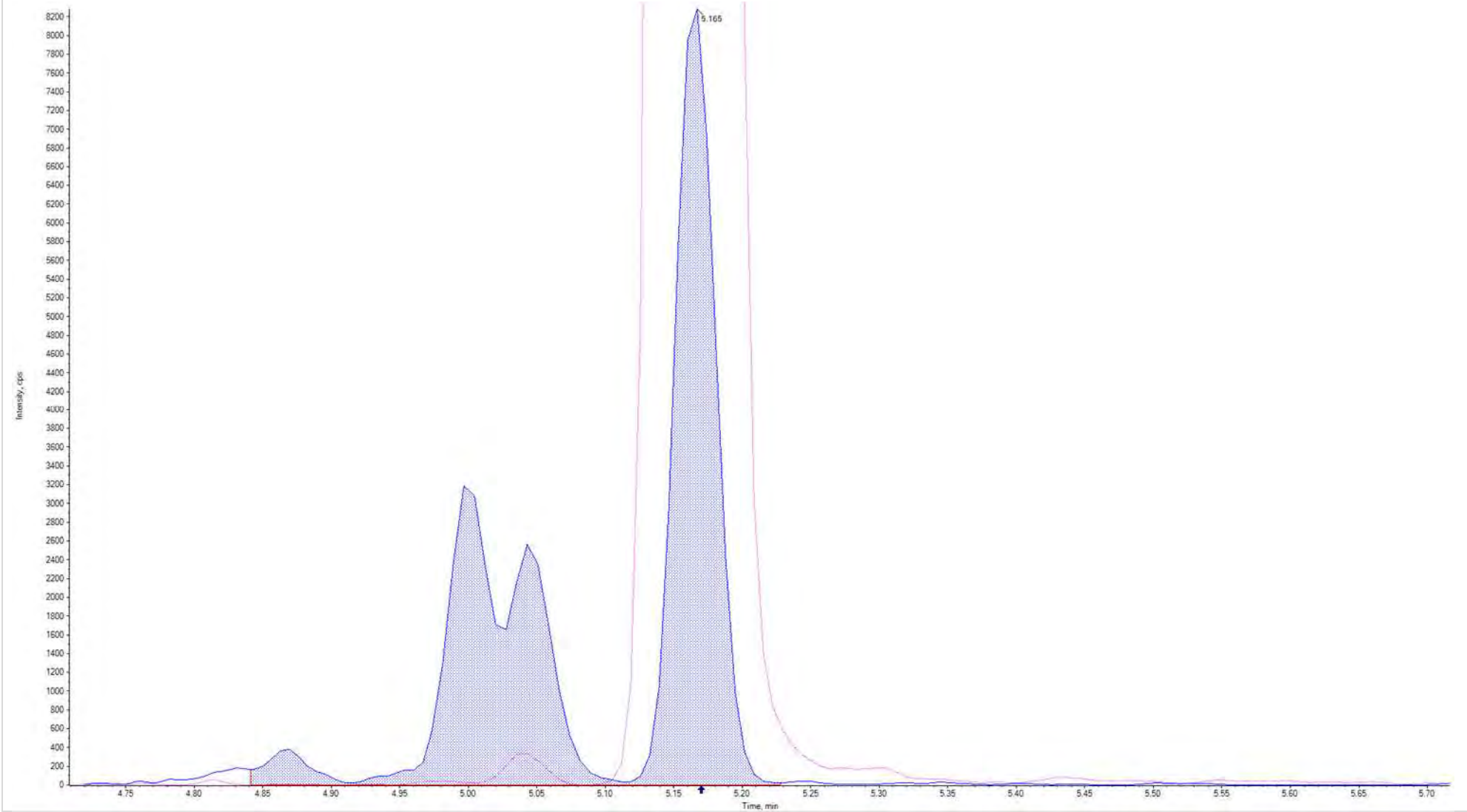
PFOSA
Sample: L2467934-01 S/N:143.0 Points Across peak:57



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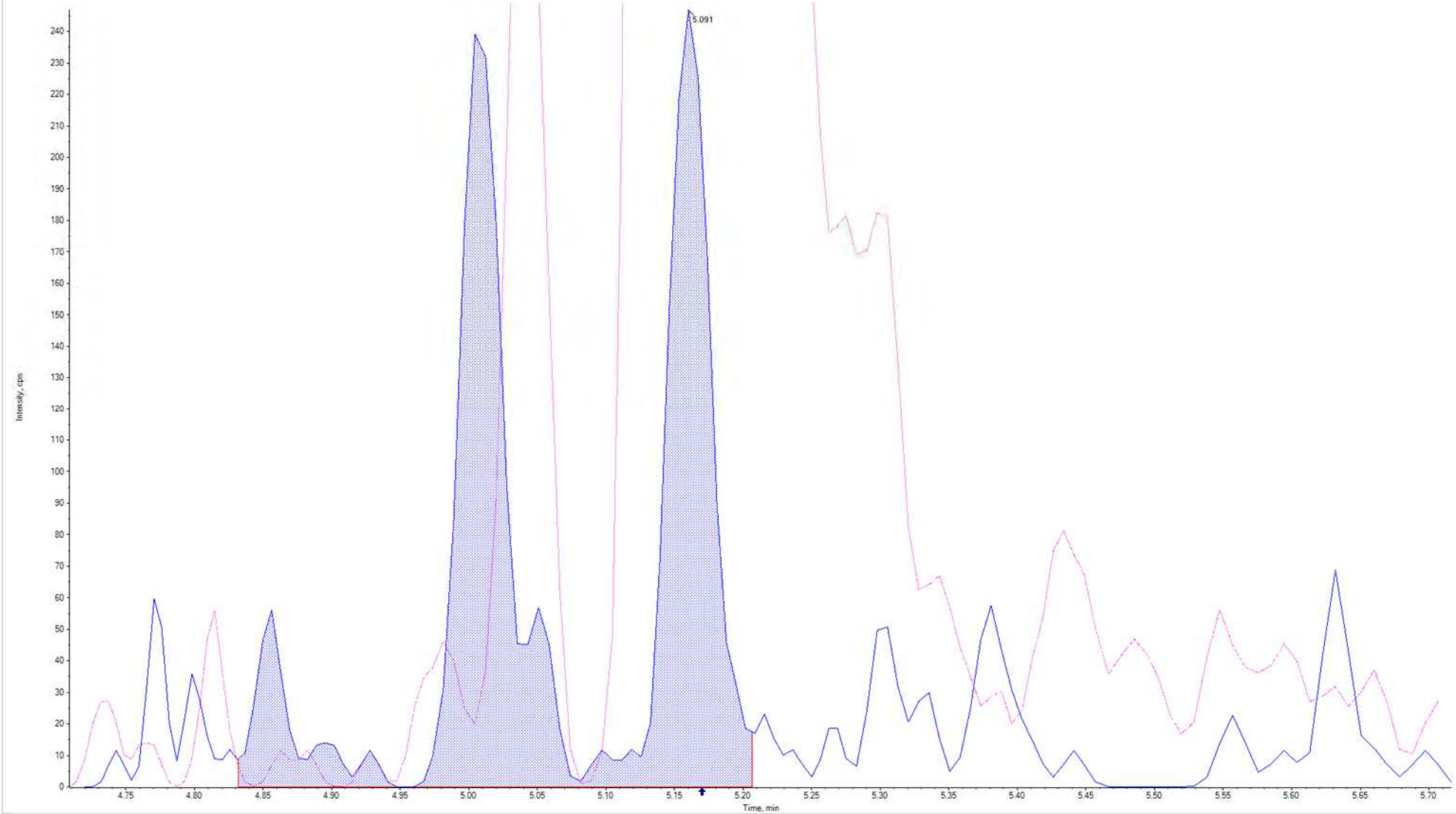
PFOSA_2
Sample: L2467934-01 S/N:21.7 Points Across peak:55



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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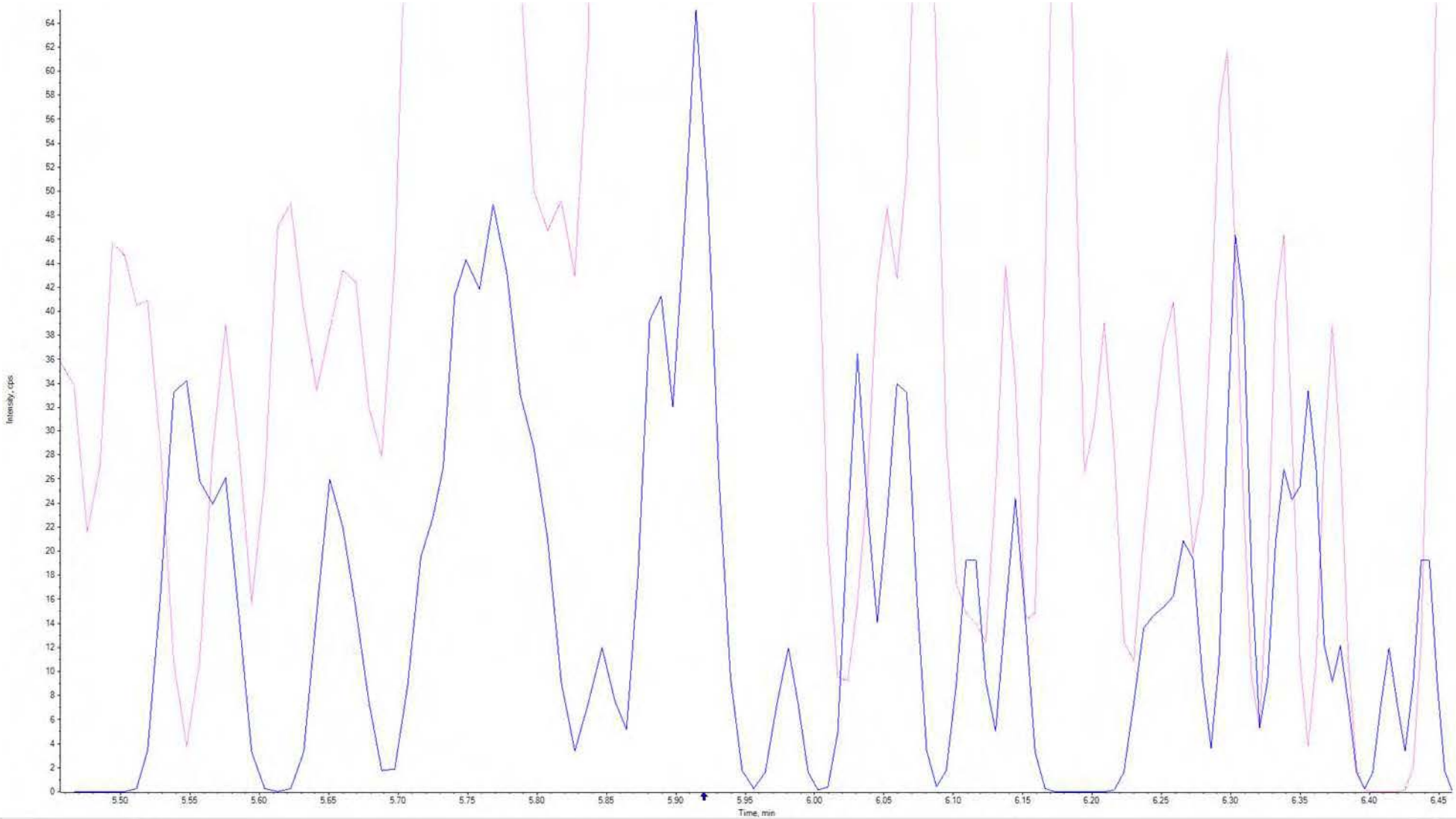
NMeFOSA
Sample: L2467934-01 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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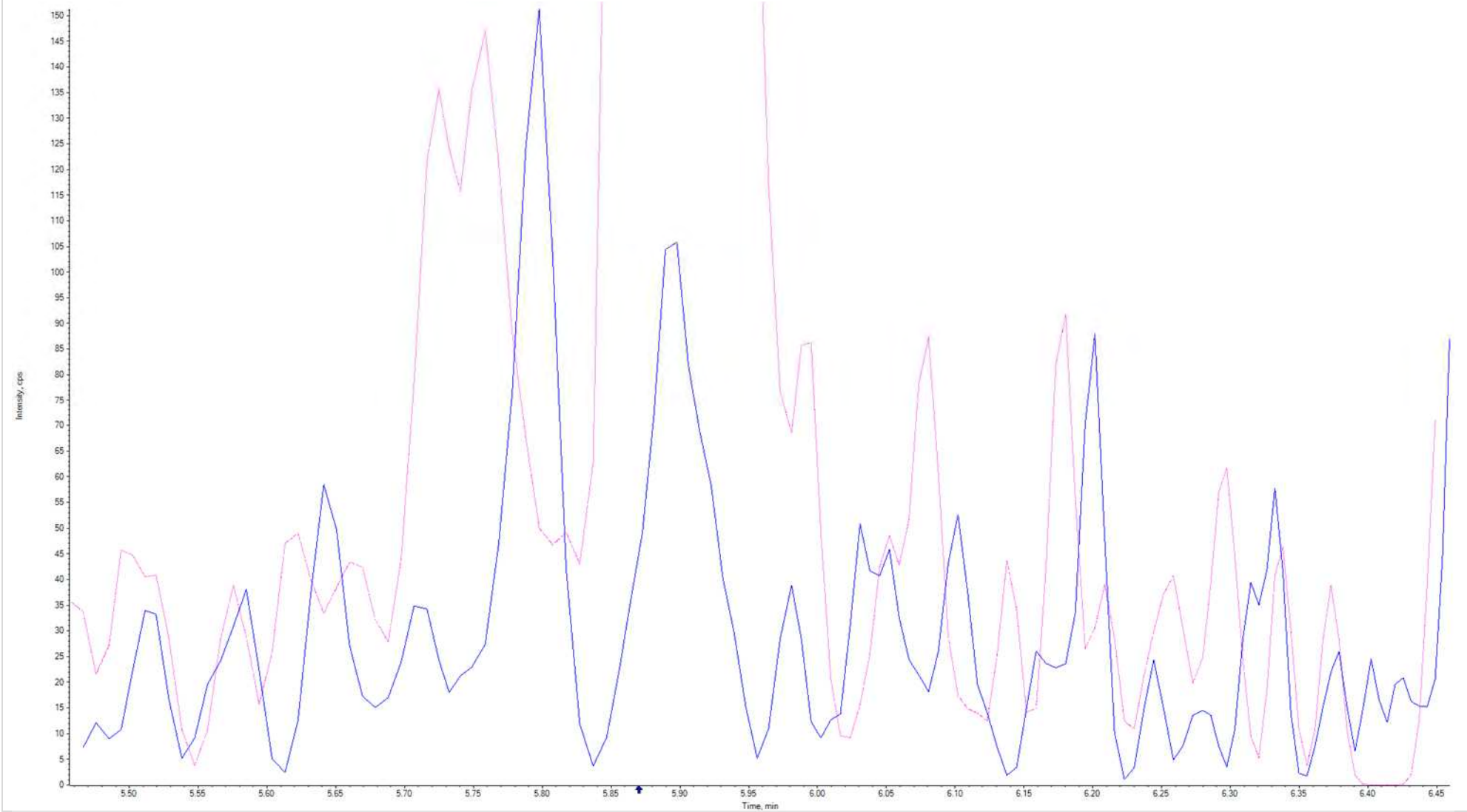
NMeFOSA_2
Sample: L2467934-01 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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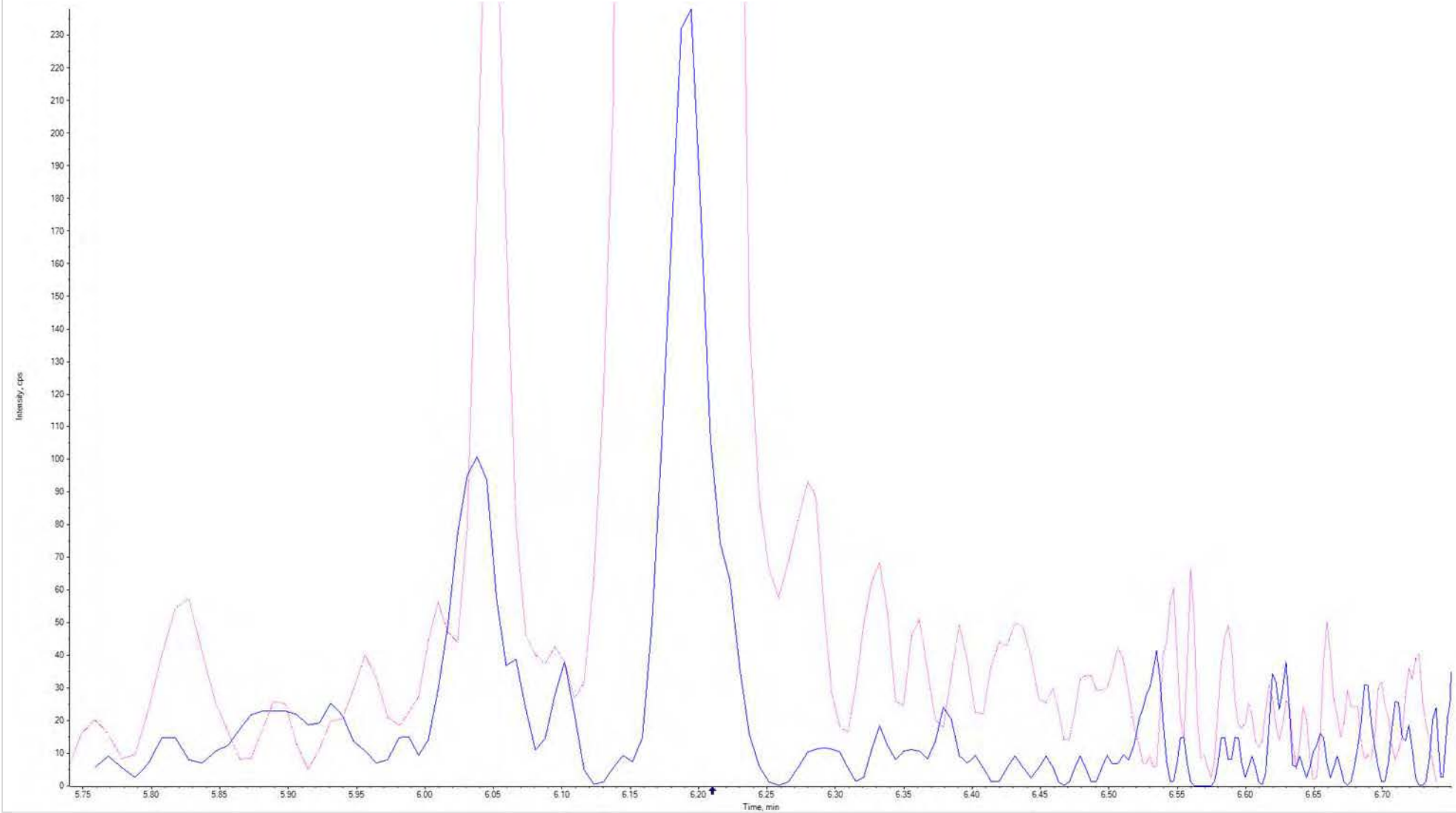
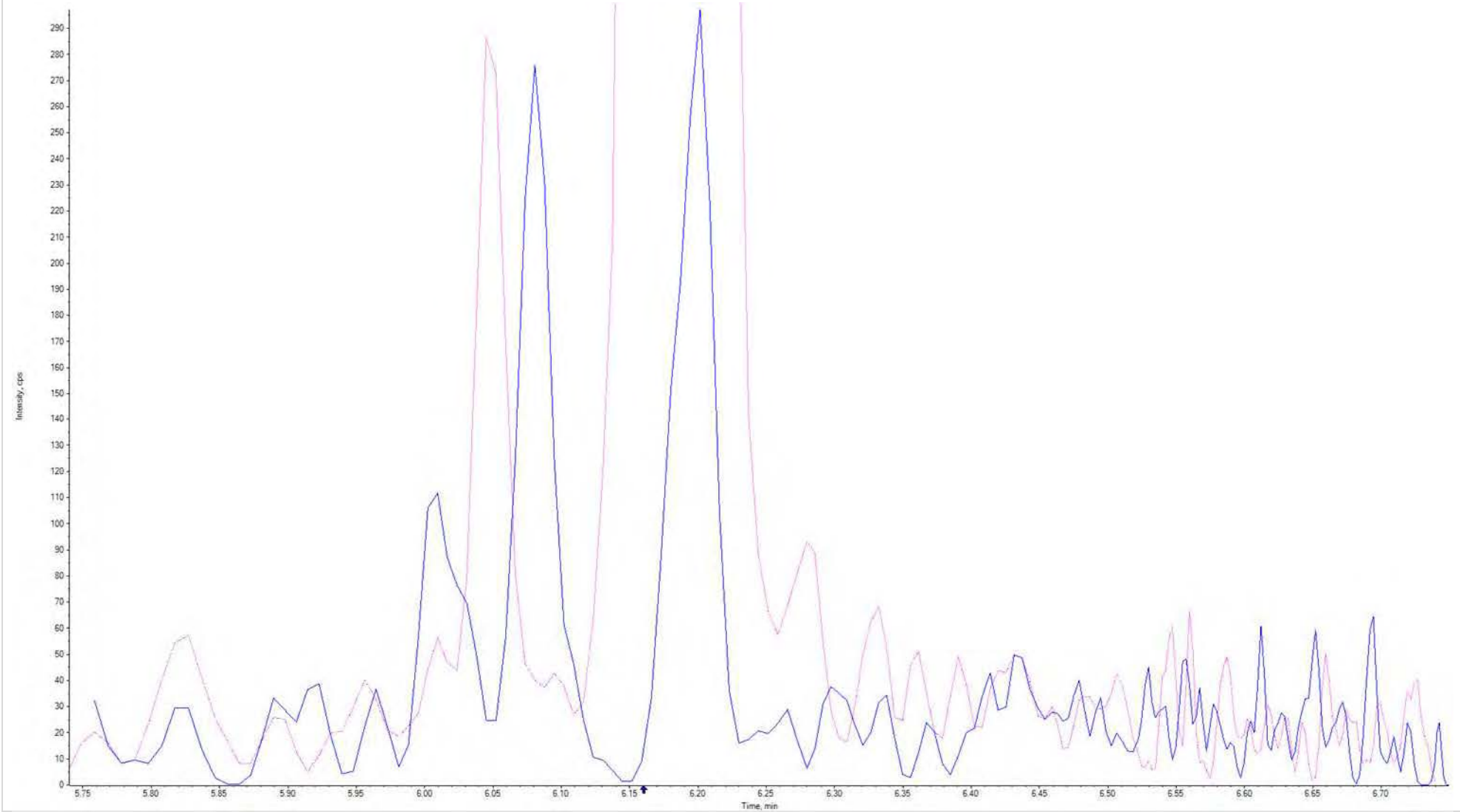
NEtFOSA
Sample: L2467934-01 S/N:N/A Points Across peak:N/A



NEtFOSA_2
Sample: L2467934-01 S/N:N/A Points Across peak:N/A



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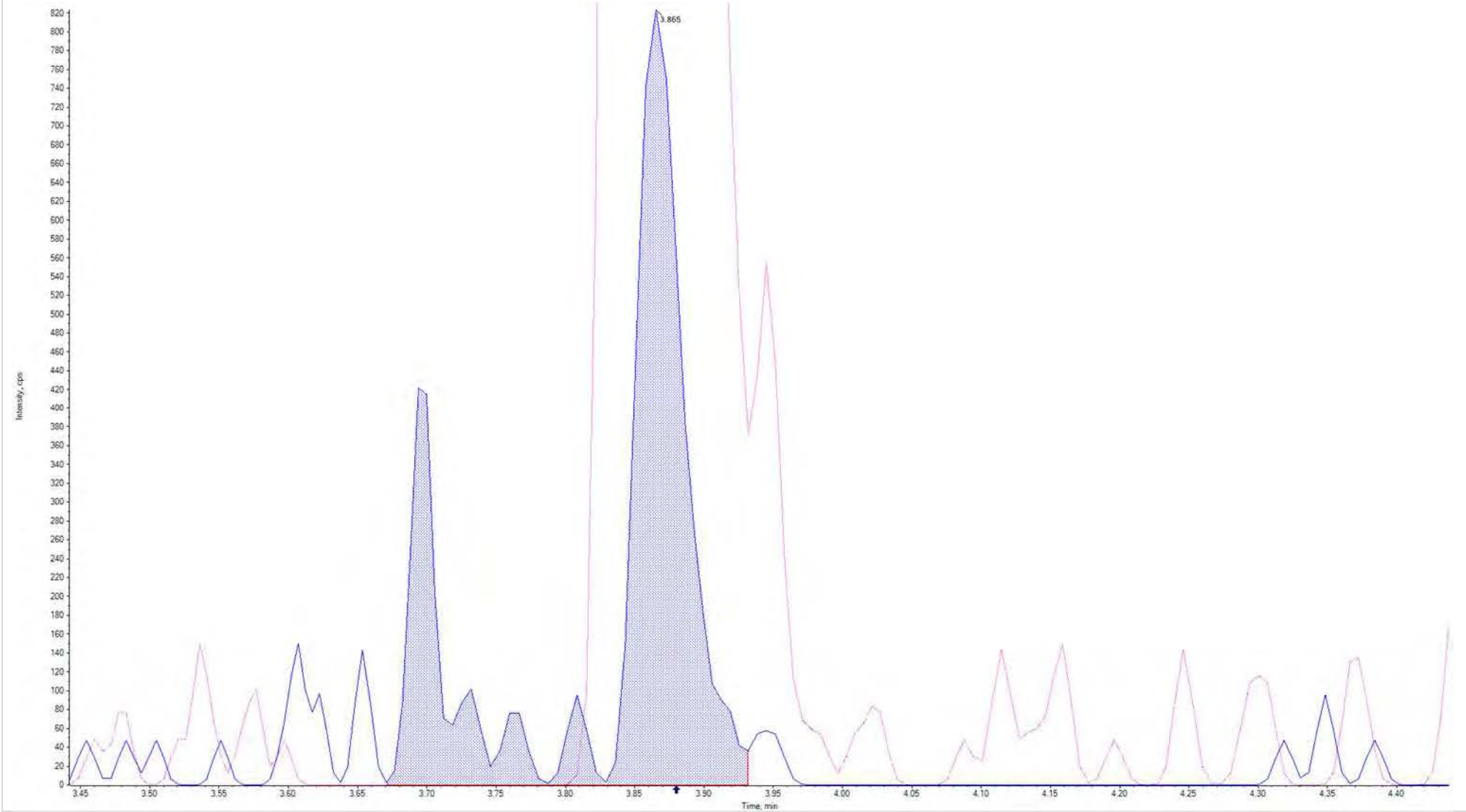
NMeFOSAA
Sample: L2467934-01 S/N:16.5 Points Across peak:40



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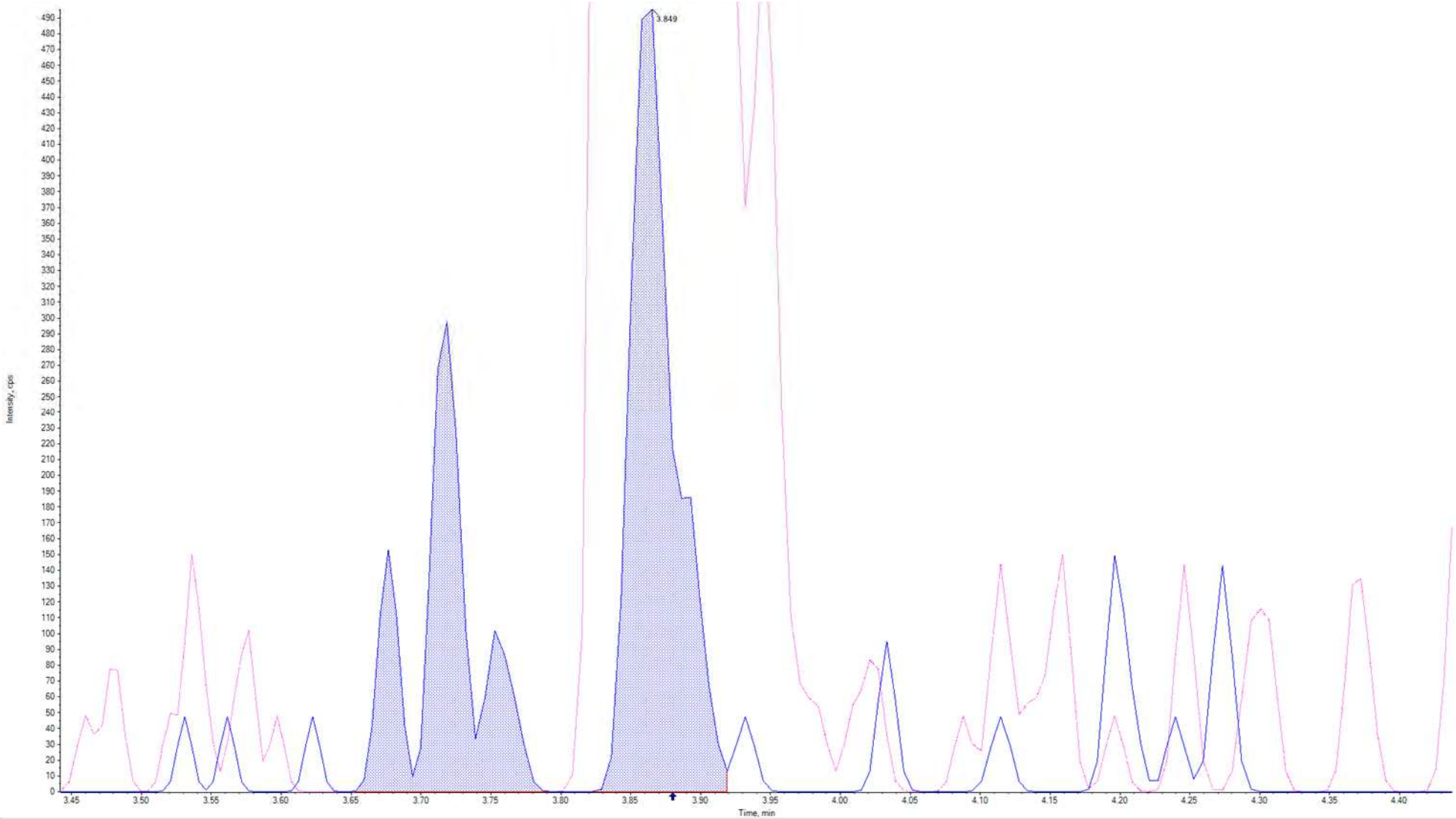
NMeFOSAA_2
Sample: L2467934-01 S/N:9.9 Points Across peak:43



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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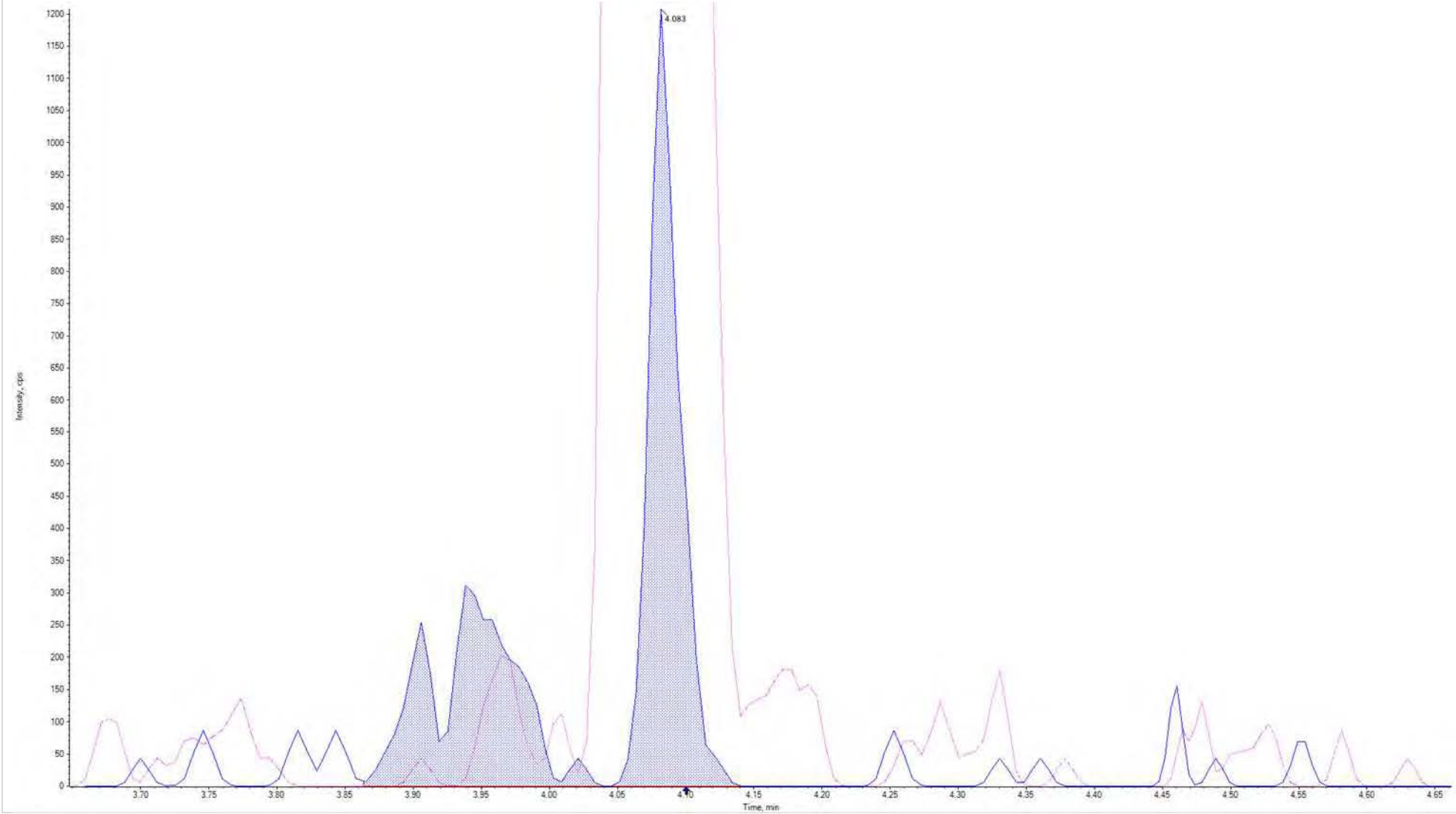
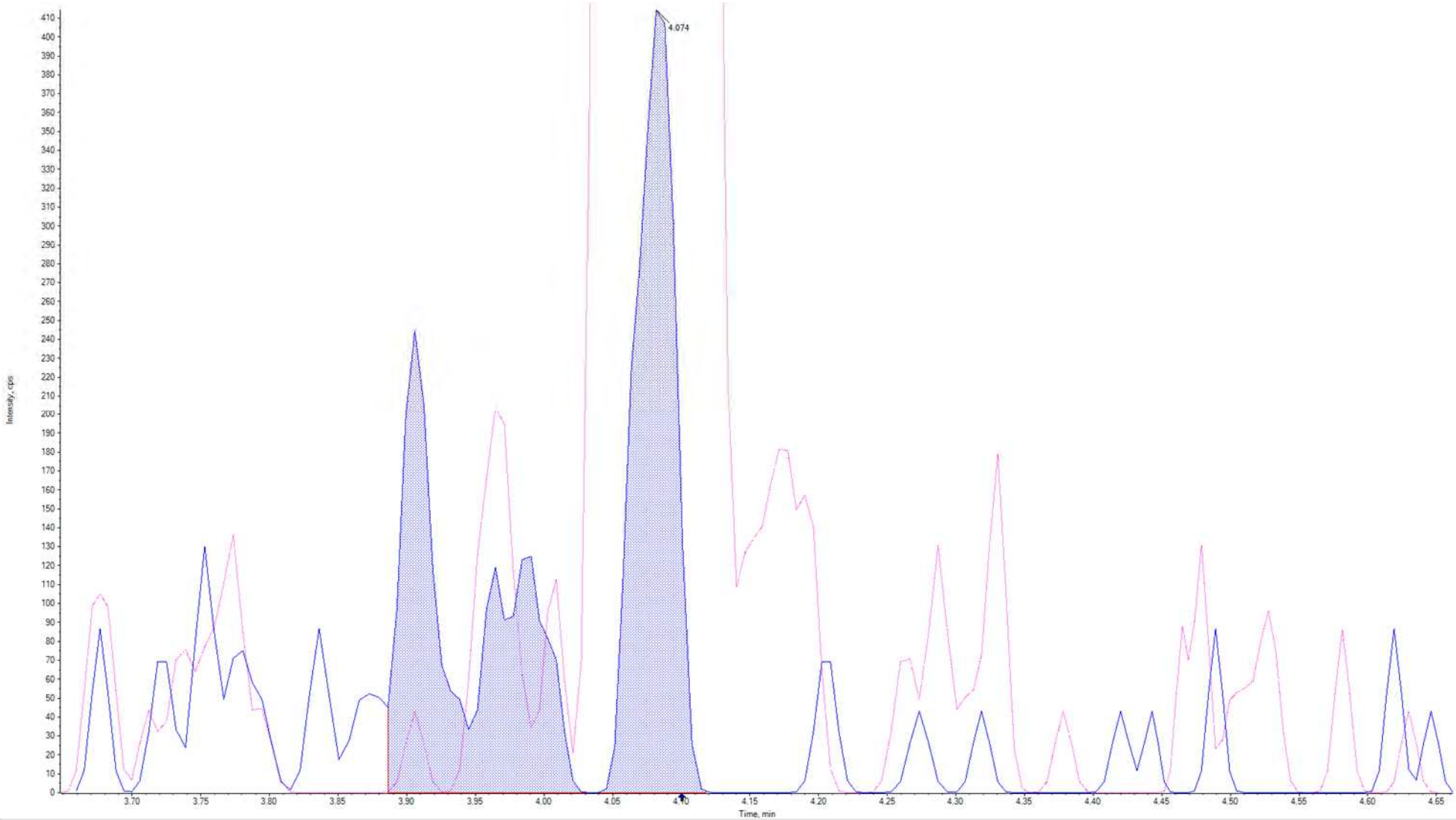
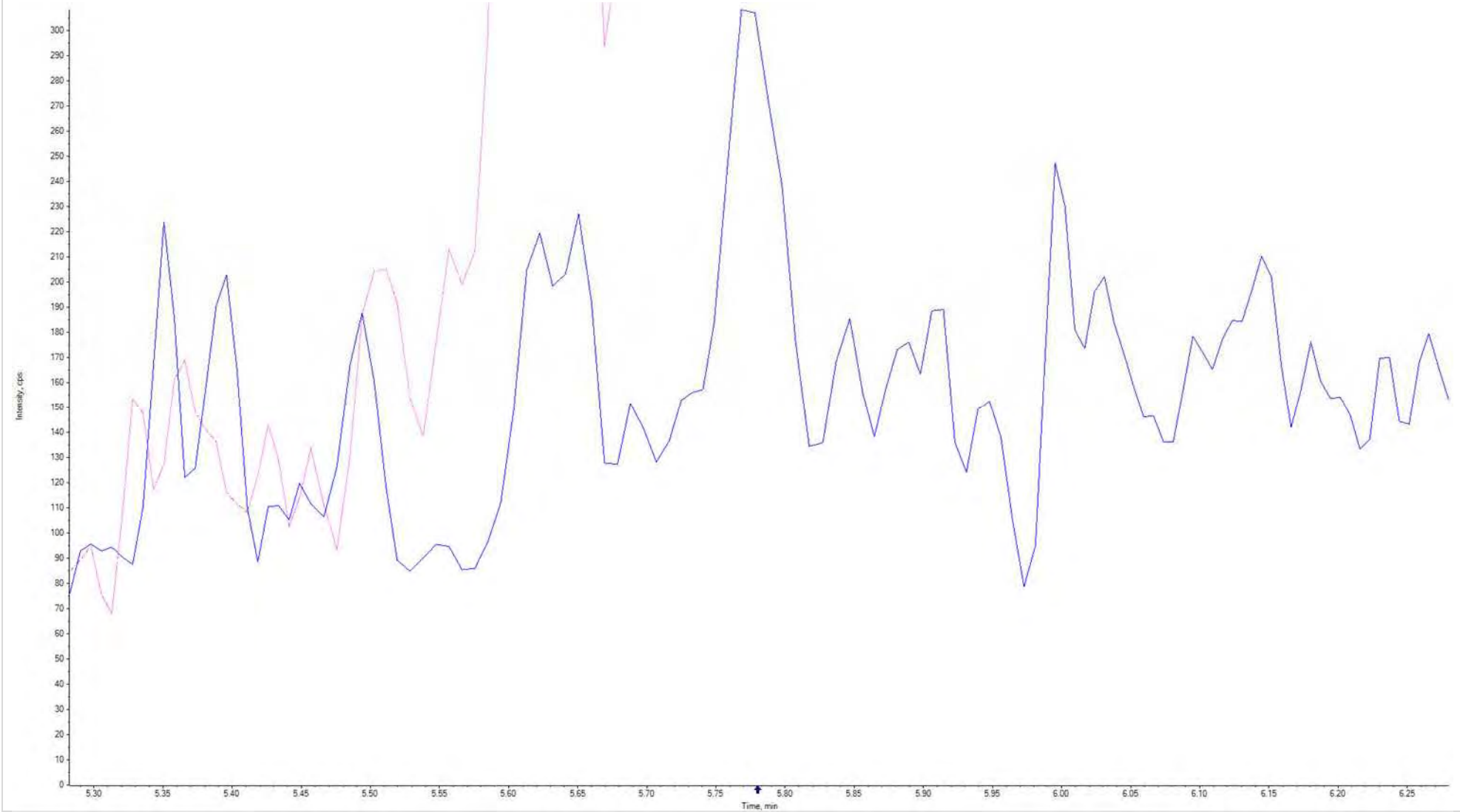
NEtFOSAA
Sample: L2467934-01 S/N:27.2 Points Across peak:46



NEtFOSAA_2
Sample: L2467934-01 S/N:9.3 Points Across peak:38



NMeFOSE
Sample: L2467934-01 S/N:N/A Points Across peak:N/A



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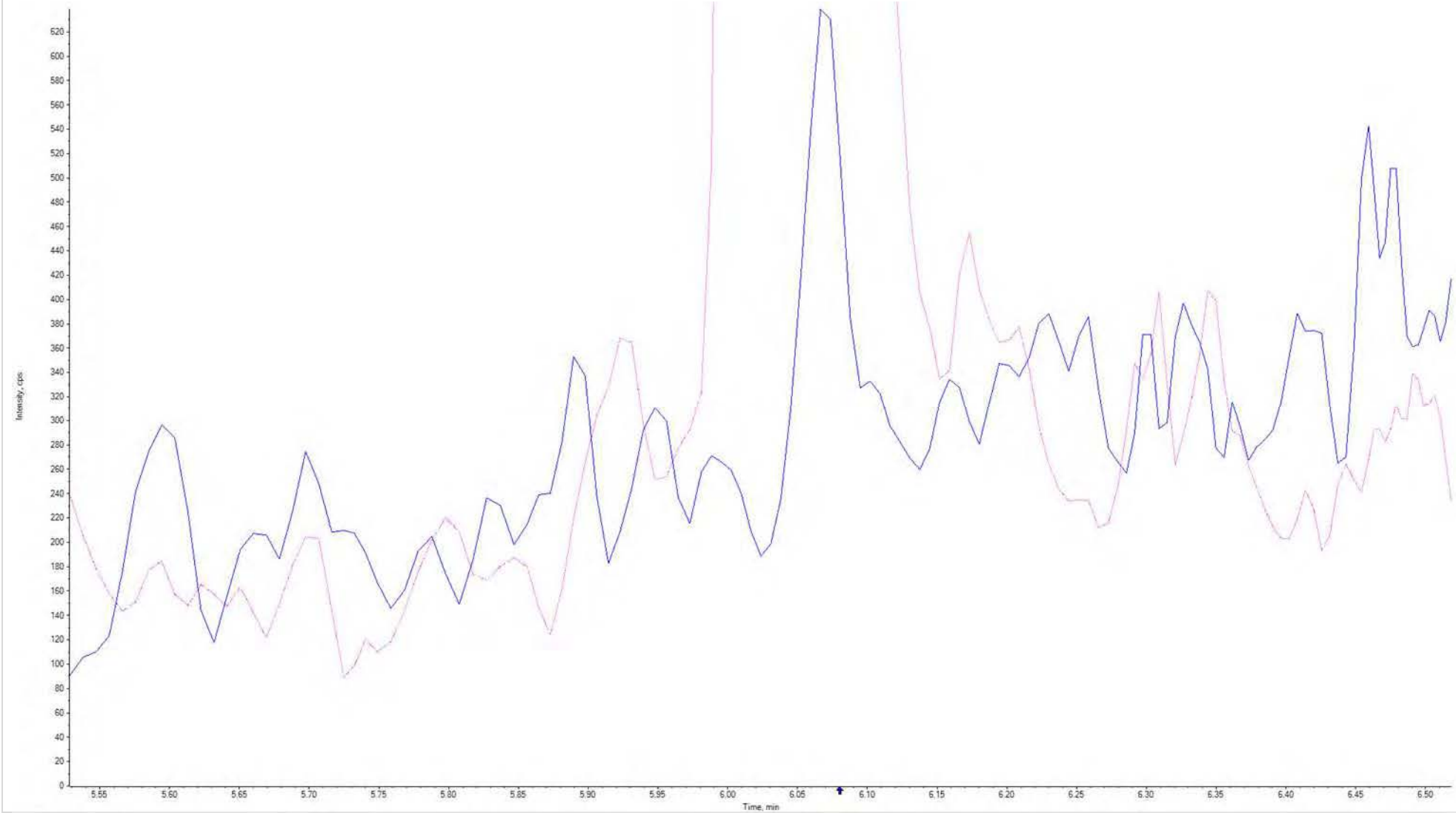
NEtFOSE
Sample: L2467934-01 S/N:N/A Points Across peak:N/A



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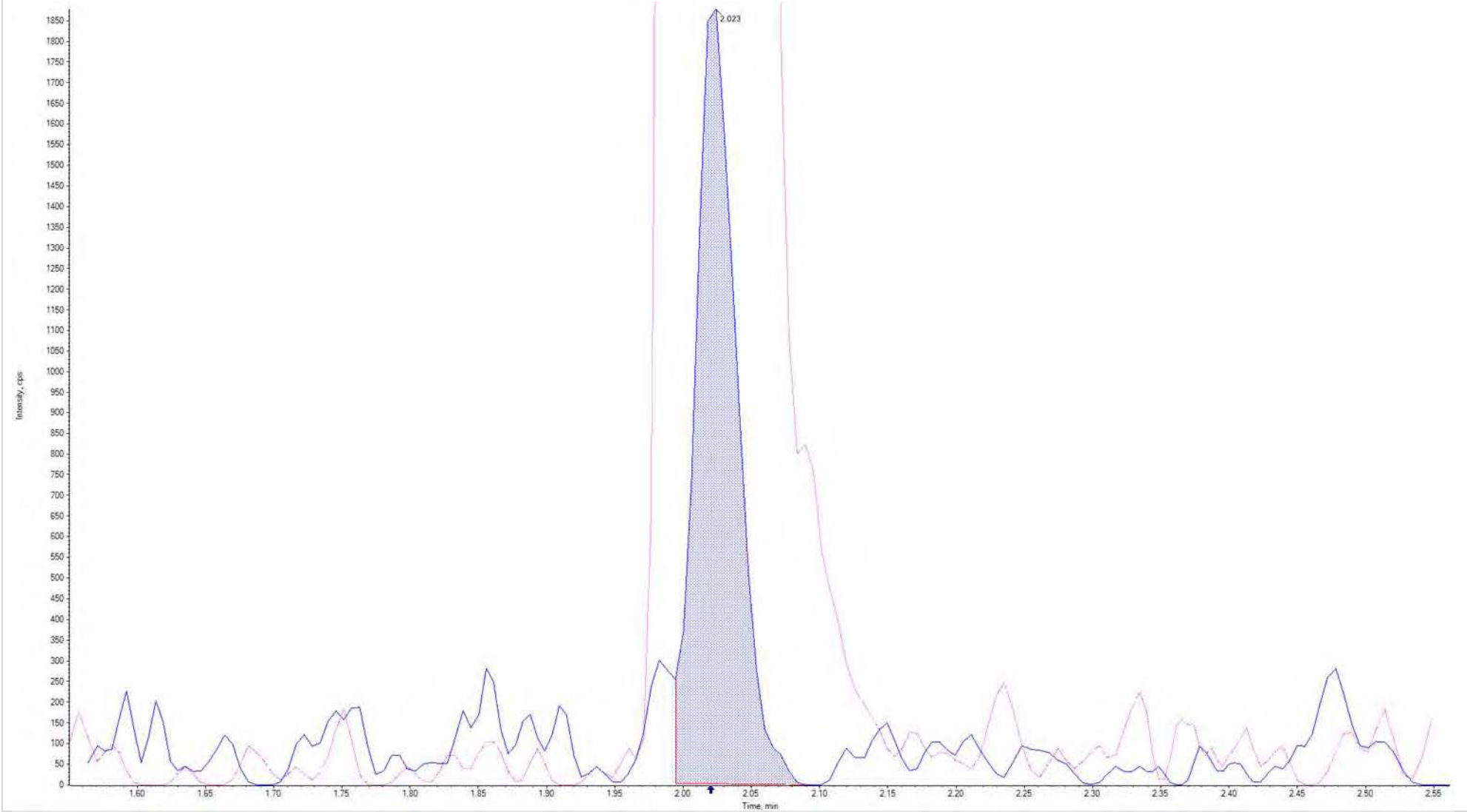
HFPO-DA
Sample: L2467934-01 S/N:42.3 Points Across peak:18



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/24/2024 7:52:08 AM
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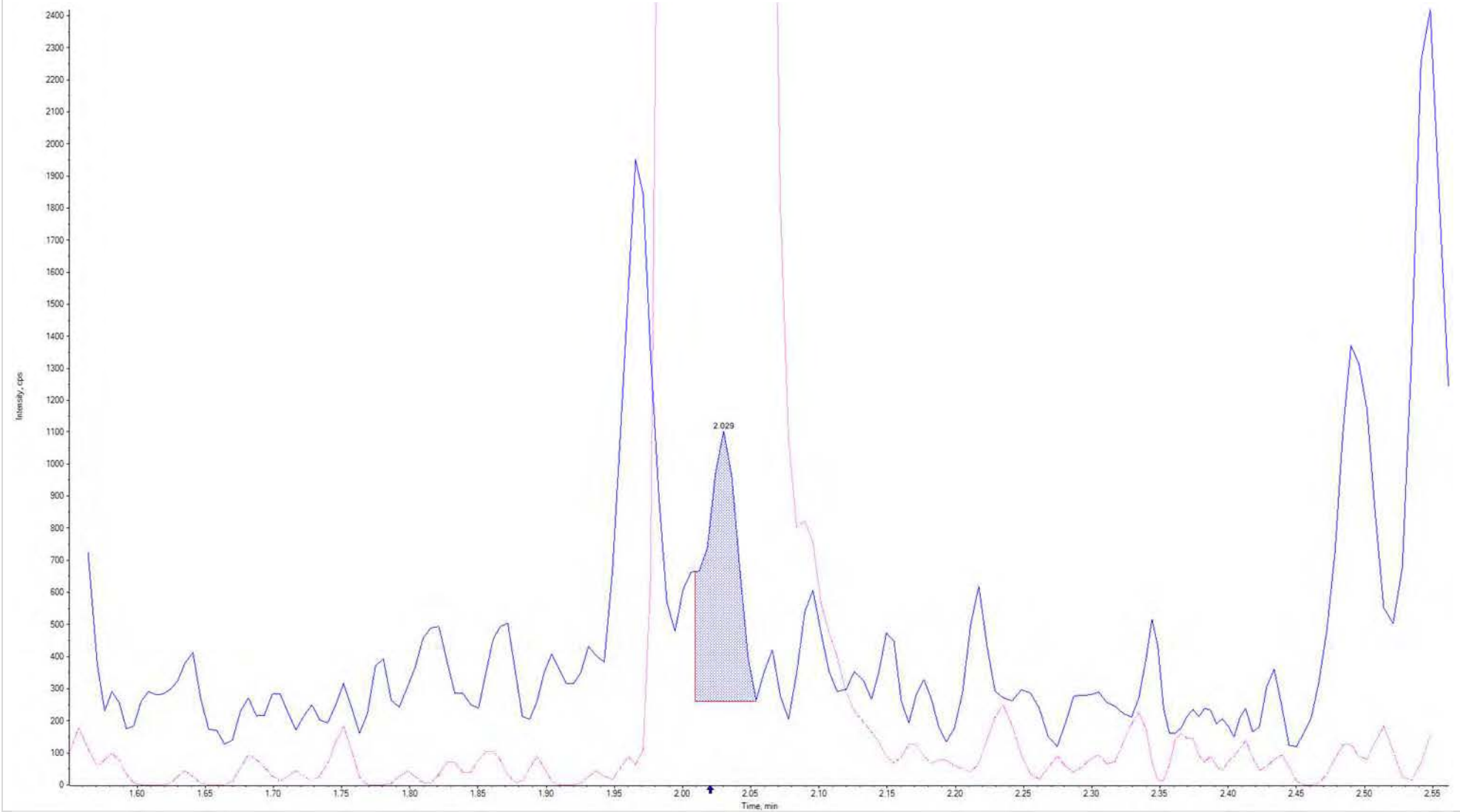
HFPO-DA_2
Sample: L2467934-01 S/N:17.8 Points Across peak:9



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/24/2024 7:52:08 AM
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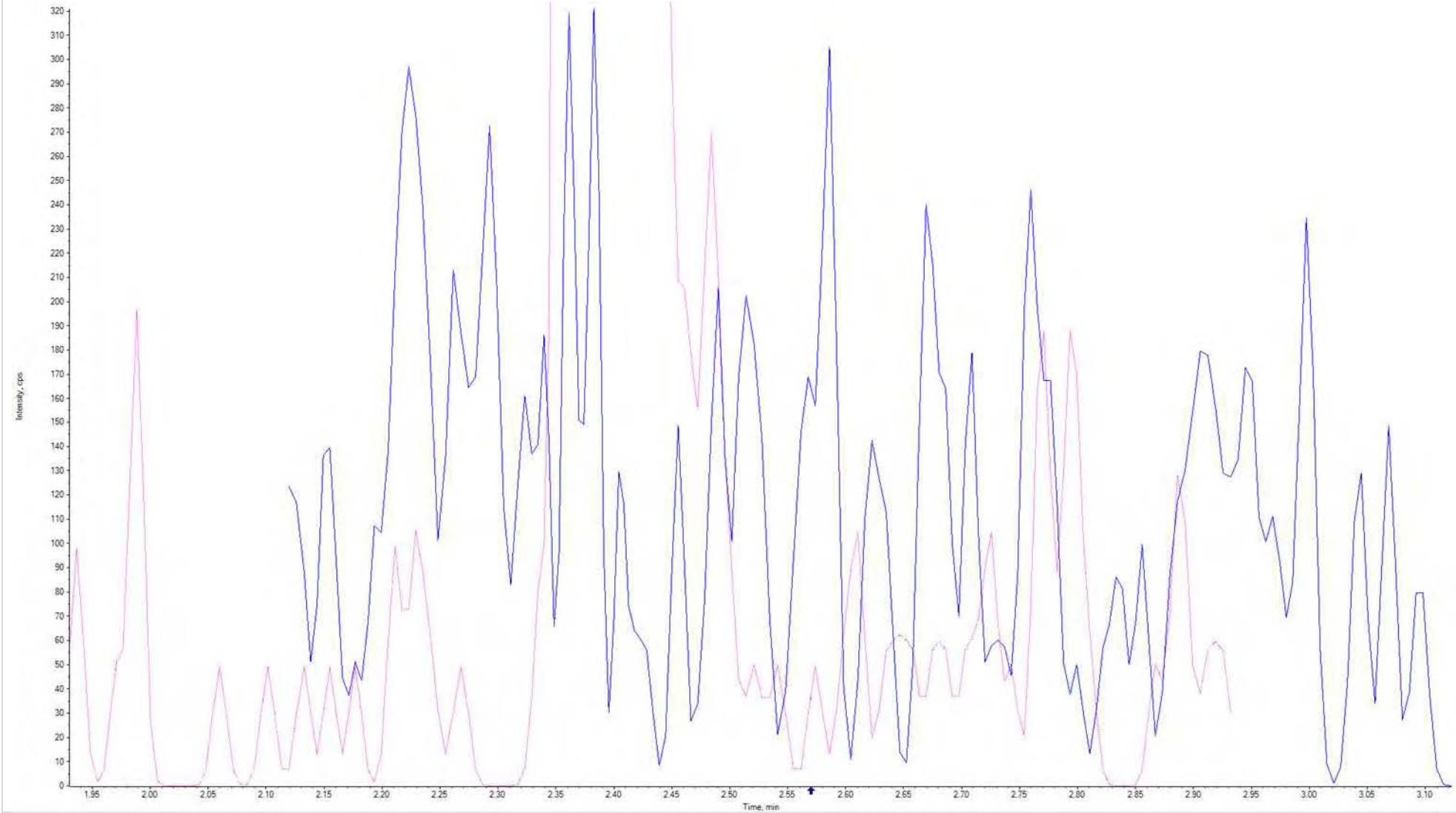
ADONA
Sample: L2467934-01 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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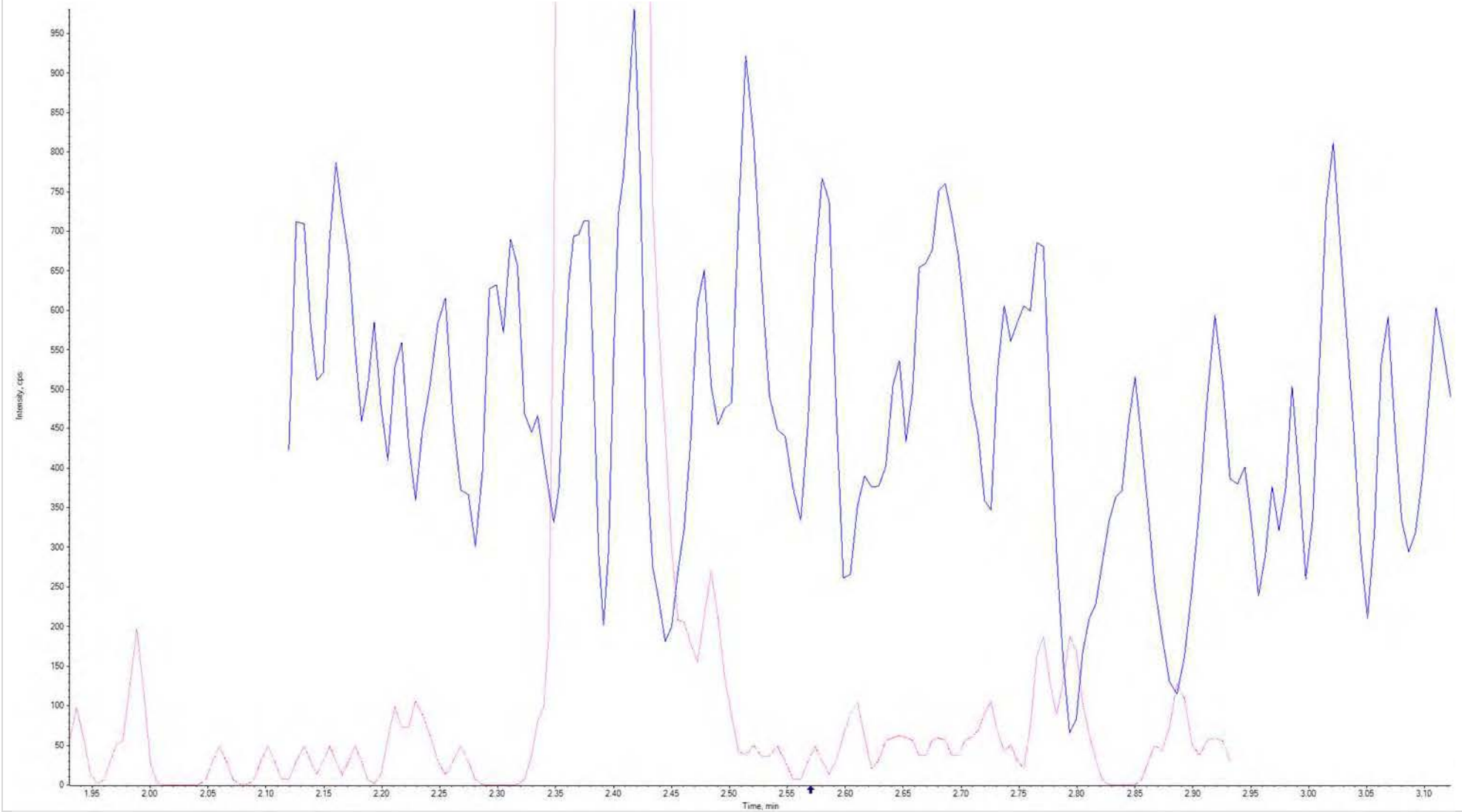
ADONA_2
Sample: L2467934-01 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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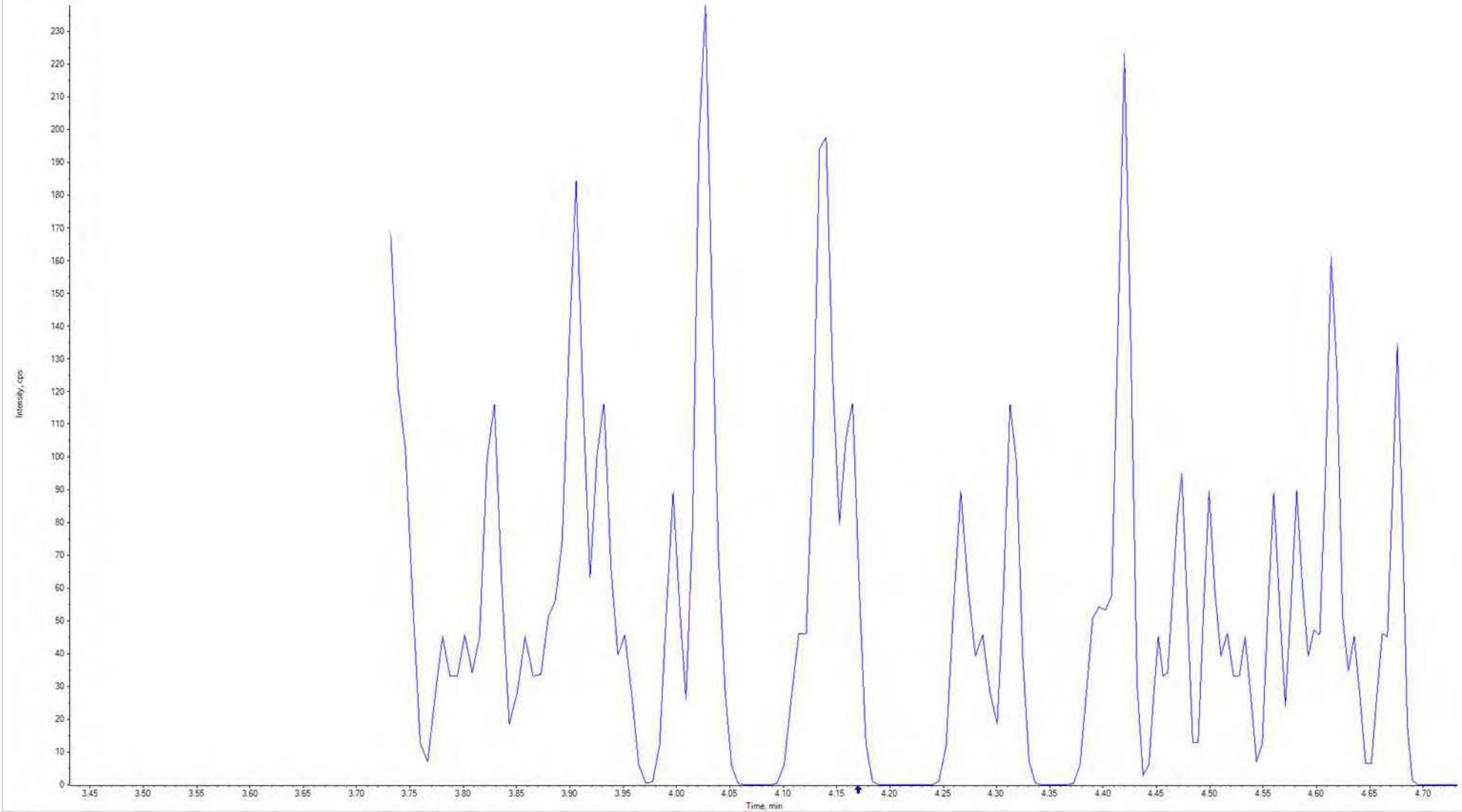
9Cl-PF3ONS
Sample: L2467934-01 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/24/2024 7:52:08 AM
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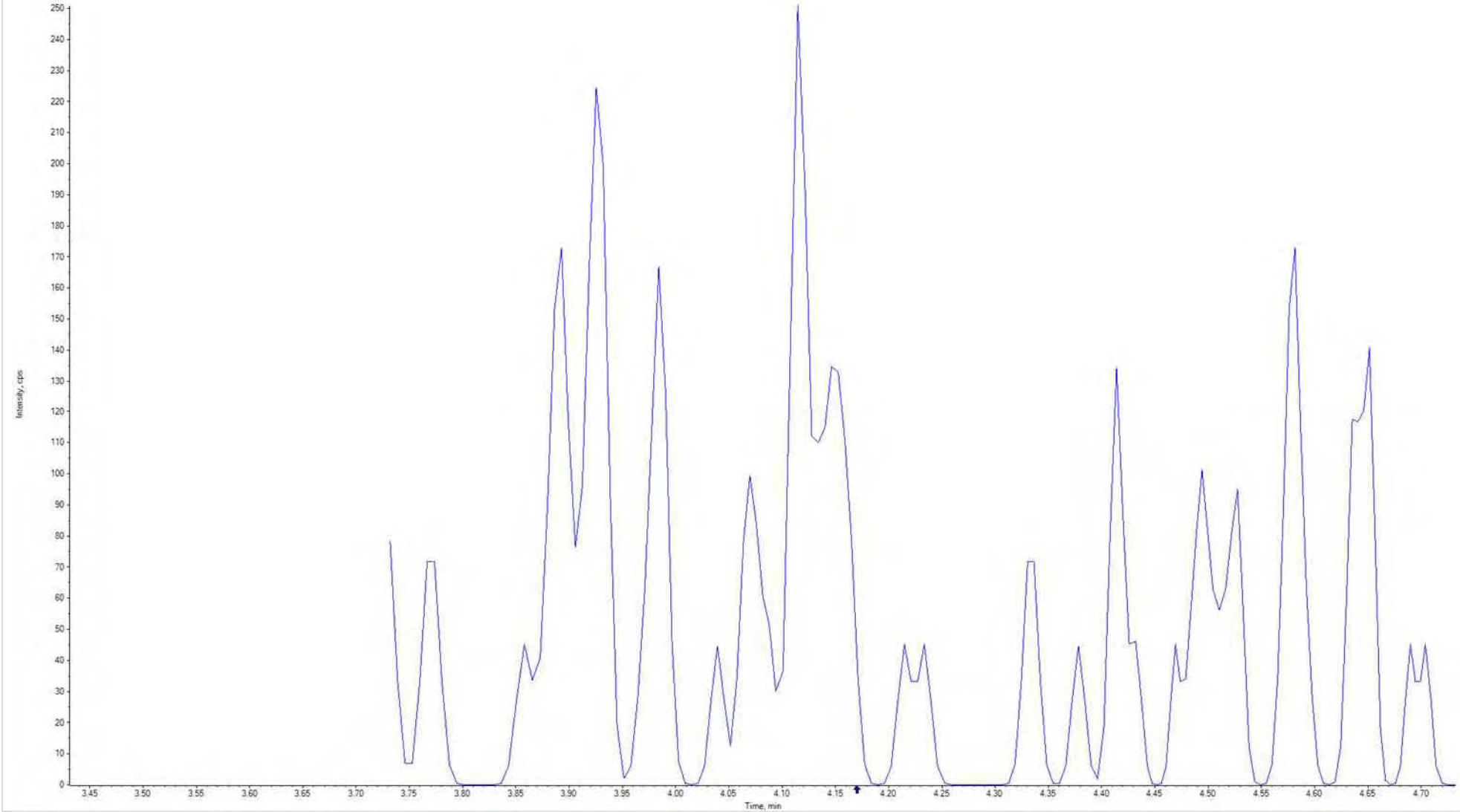
9Cl-PF3ONS_2
Sample: L2467934-01 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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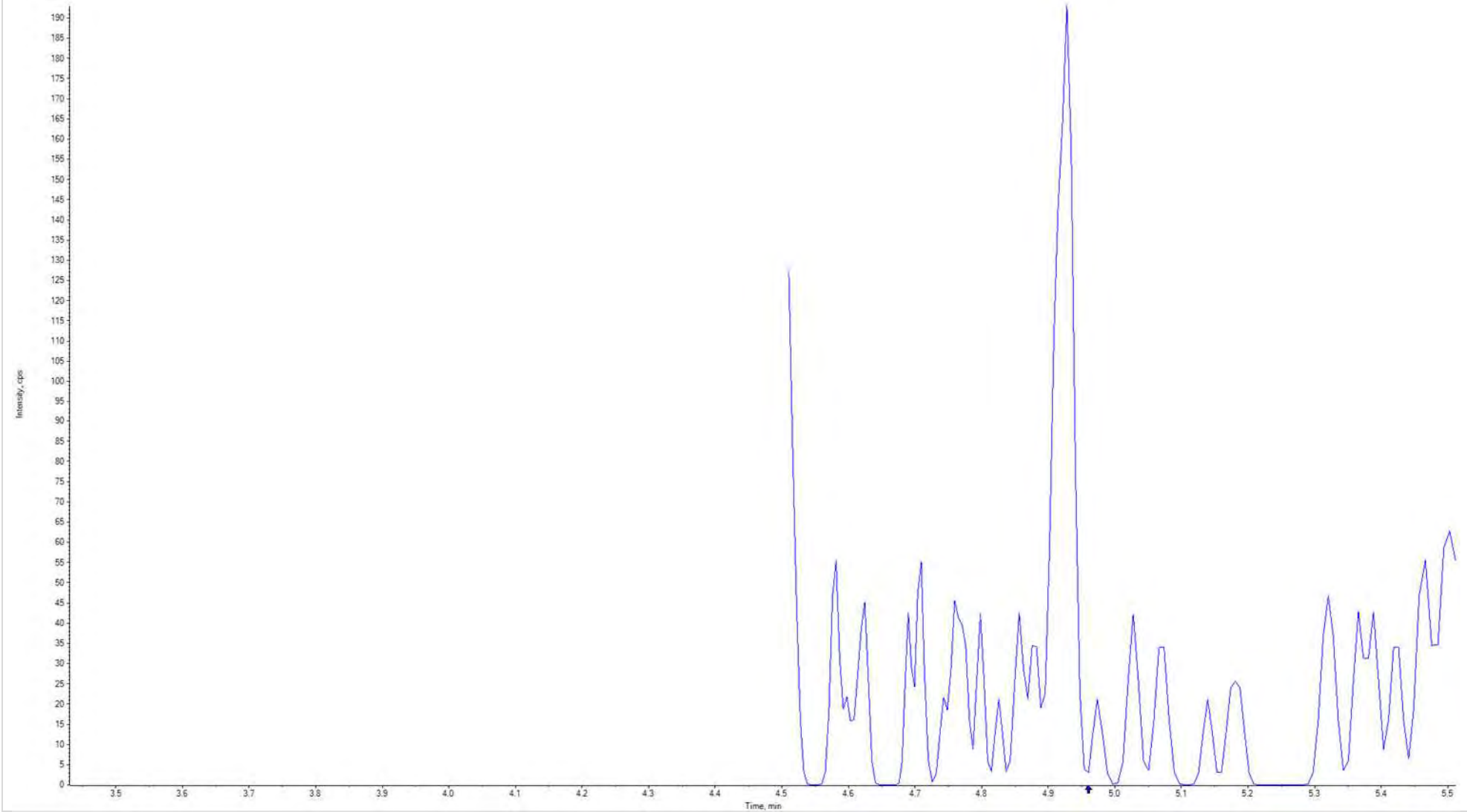
11Cl-PF3OUdS
Sample: L2467934-01 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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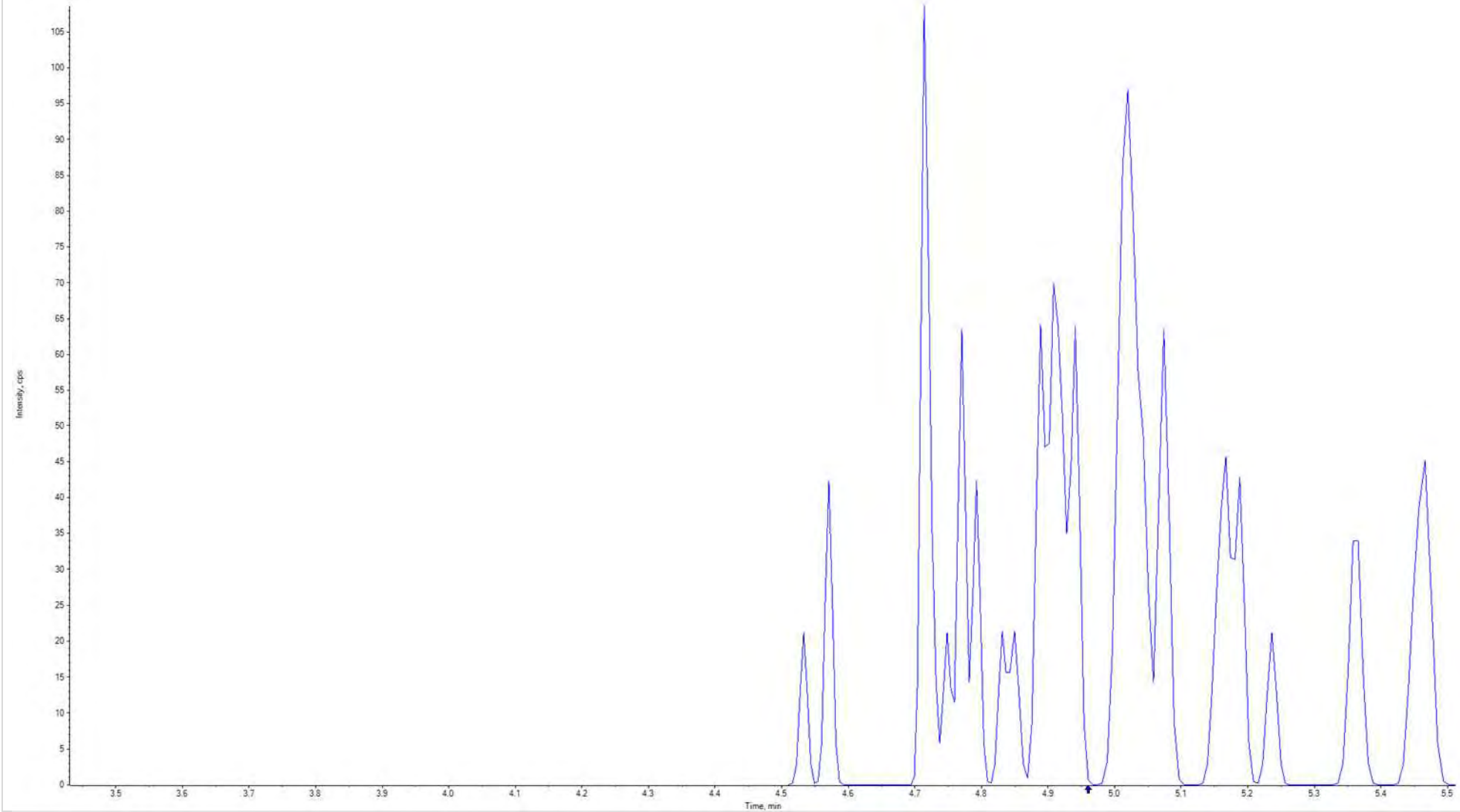
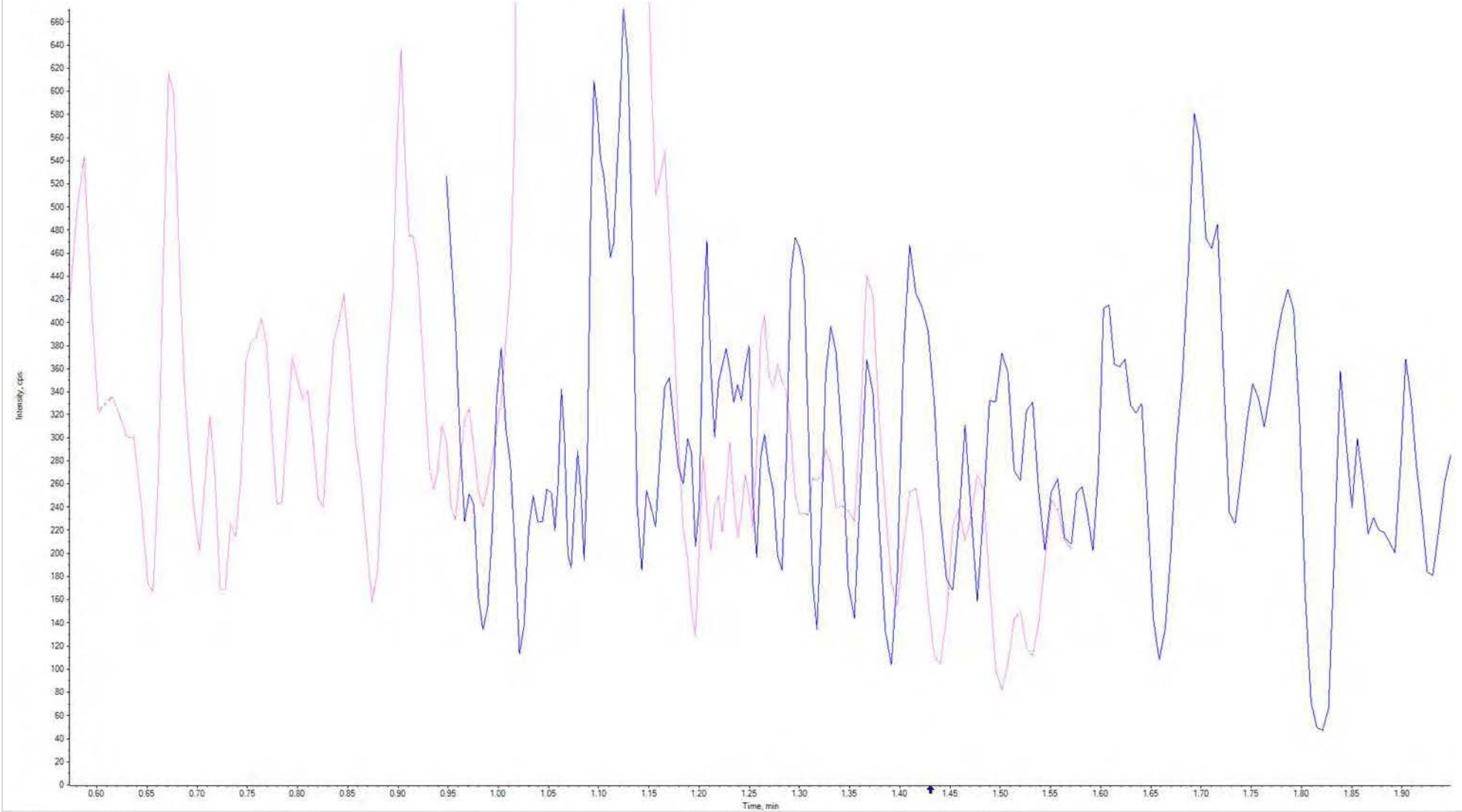
11Cl-PF3OUdS_2
Sample: L2467934-01 S/N:N/A Points Across peak:N/A



3:3FTCA
Sample: L2467934-01 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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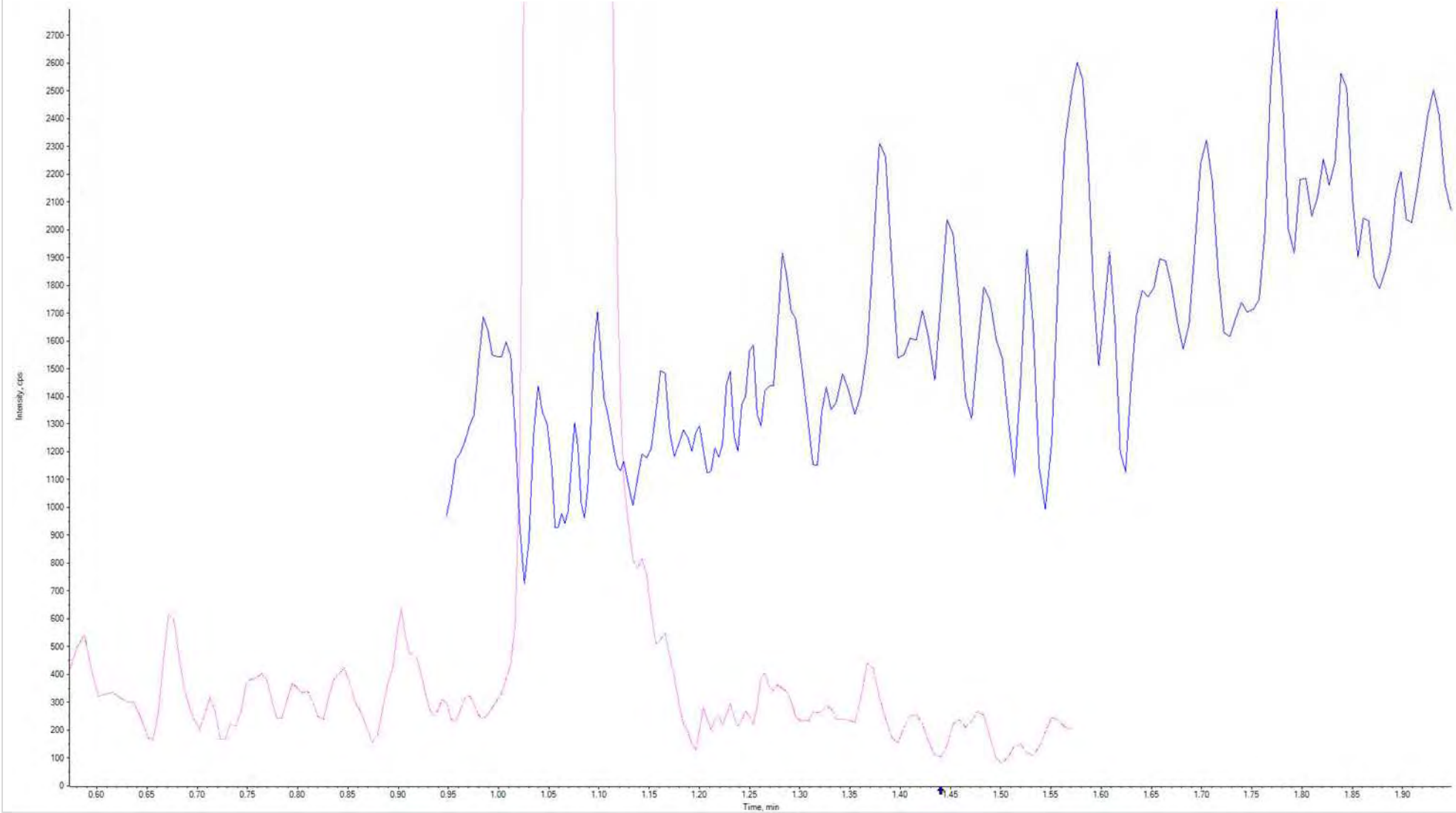
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

3:3FTCA_2
Sample: L2467934-01 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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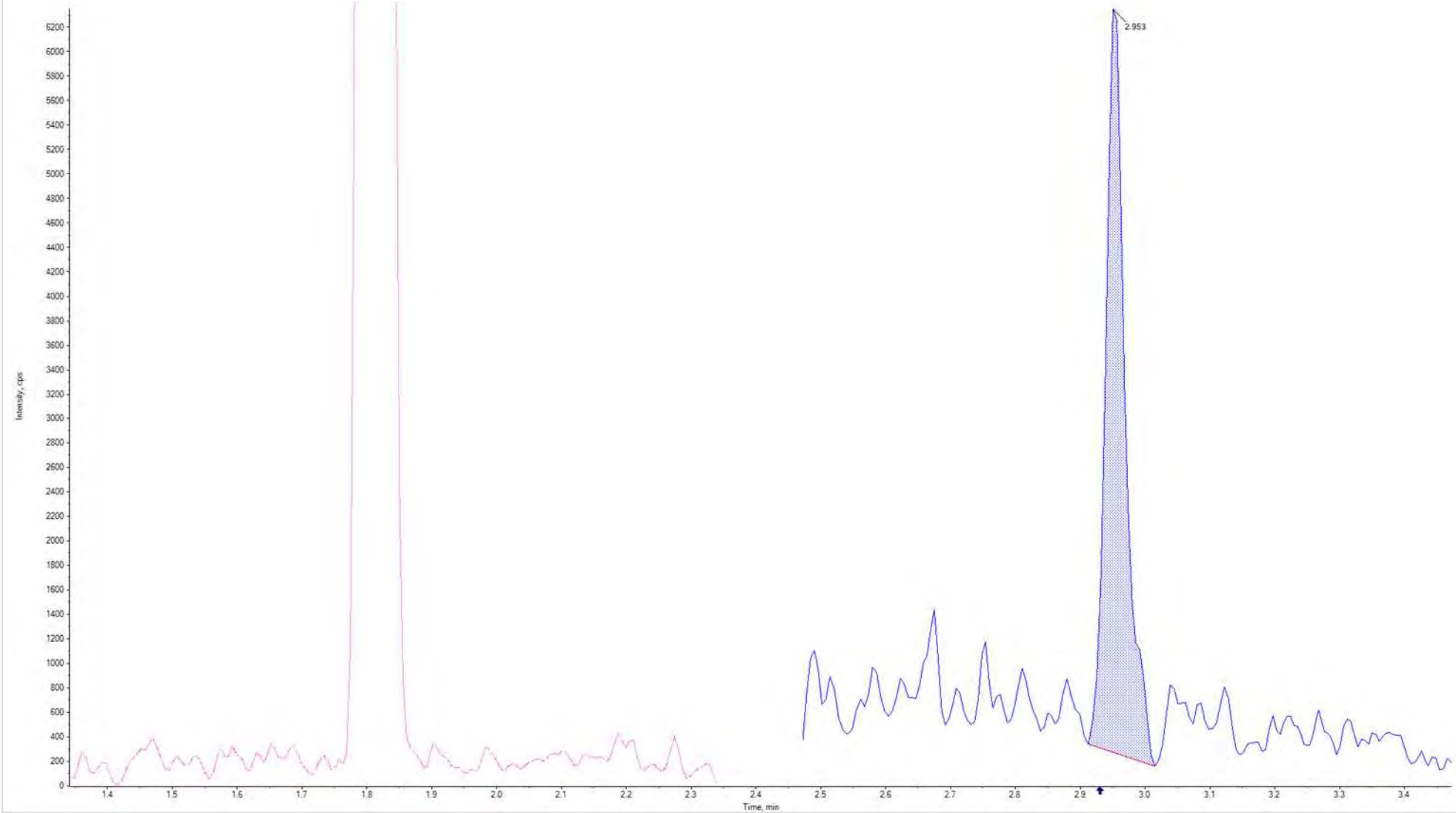
5:3FTCA
Sample: L2467934-01 S/N:124.9 Points Across peak:18



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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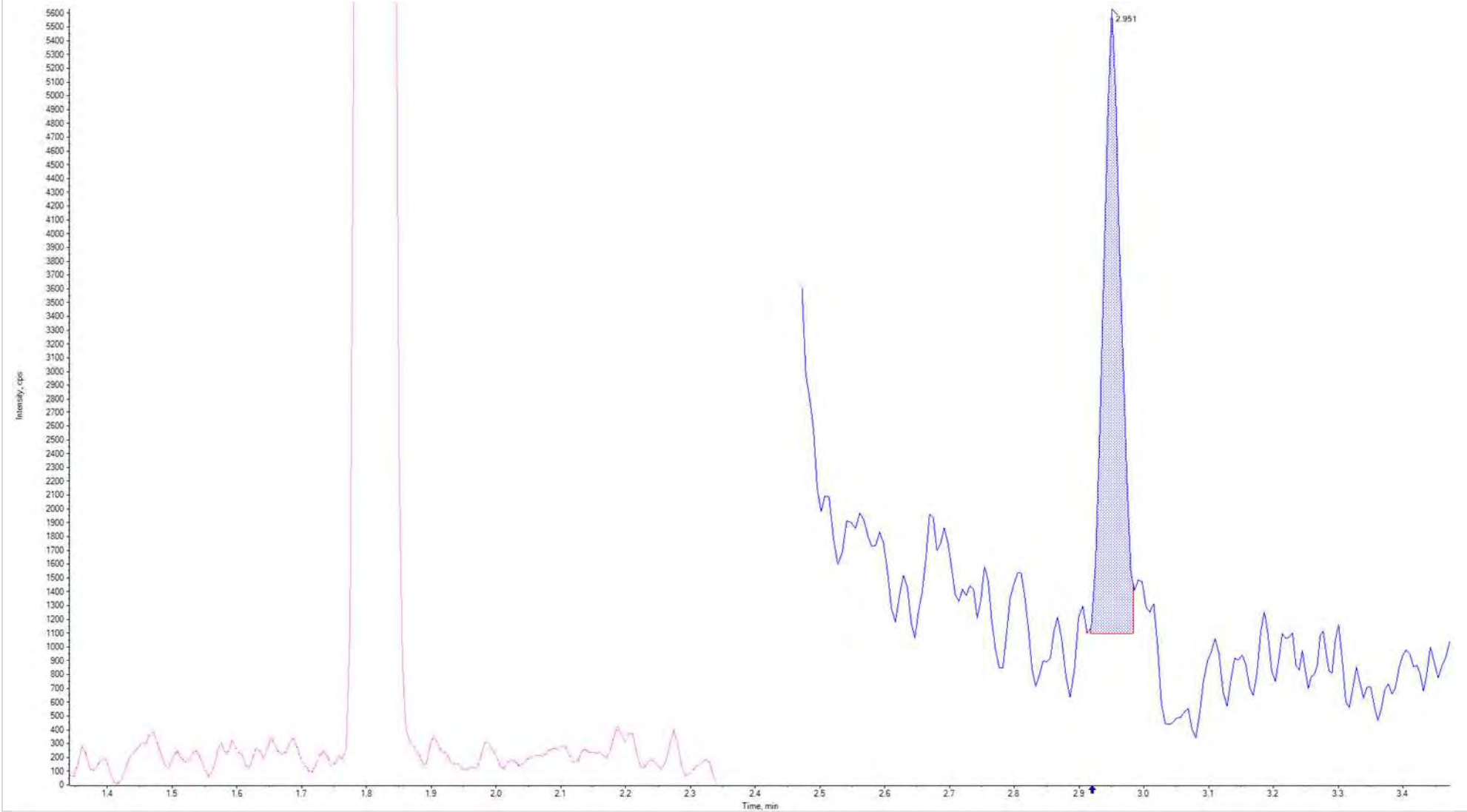
5:3FTCA_2
Sample: L2467934-01 S/N:54.1 Points Across peak:13



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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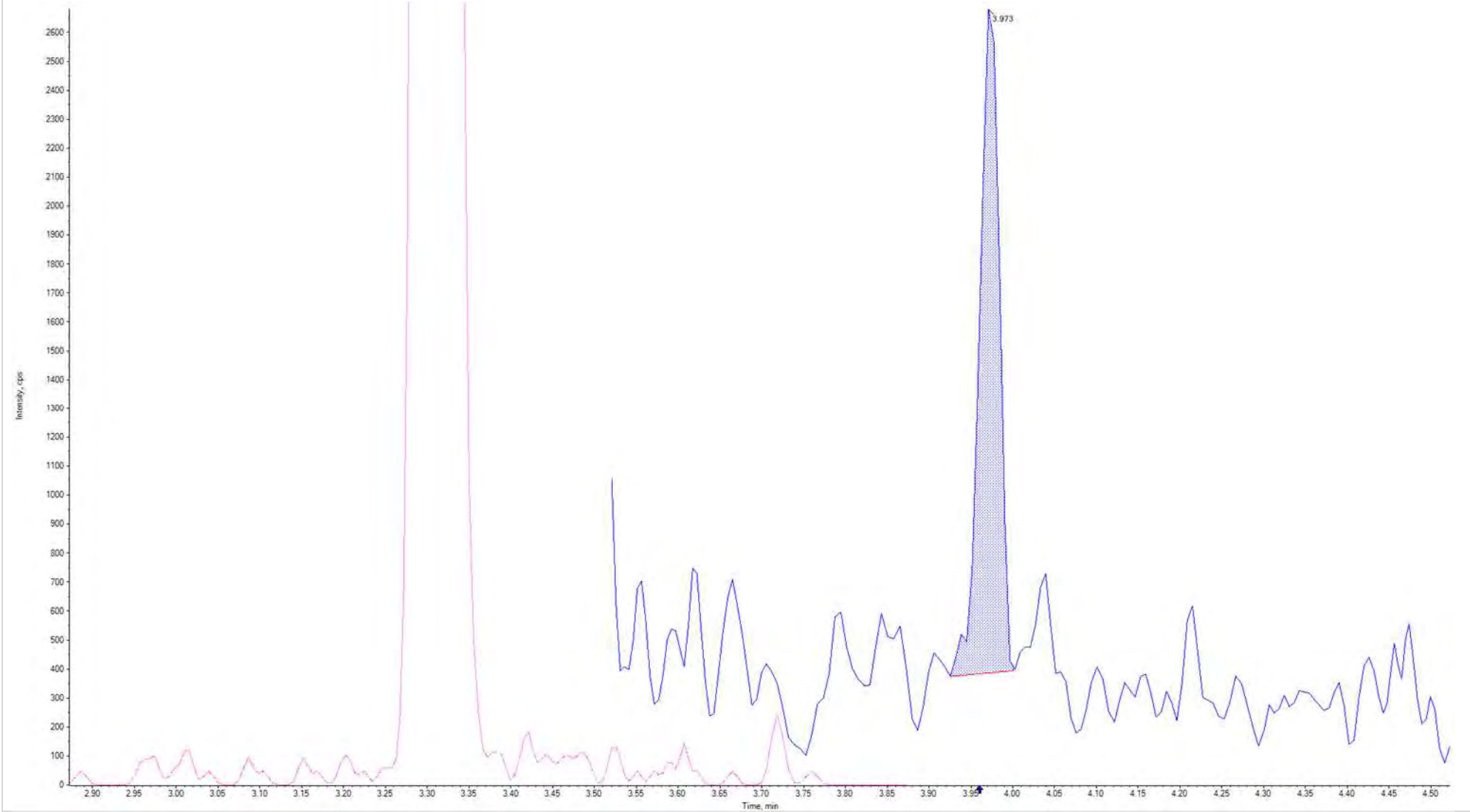
7:3FTCA
Sample: L2467934-01 S/N:60.3 Points Across peak:14



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/24/2024 7:52:08 AM
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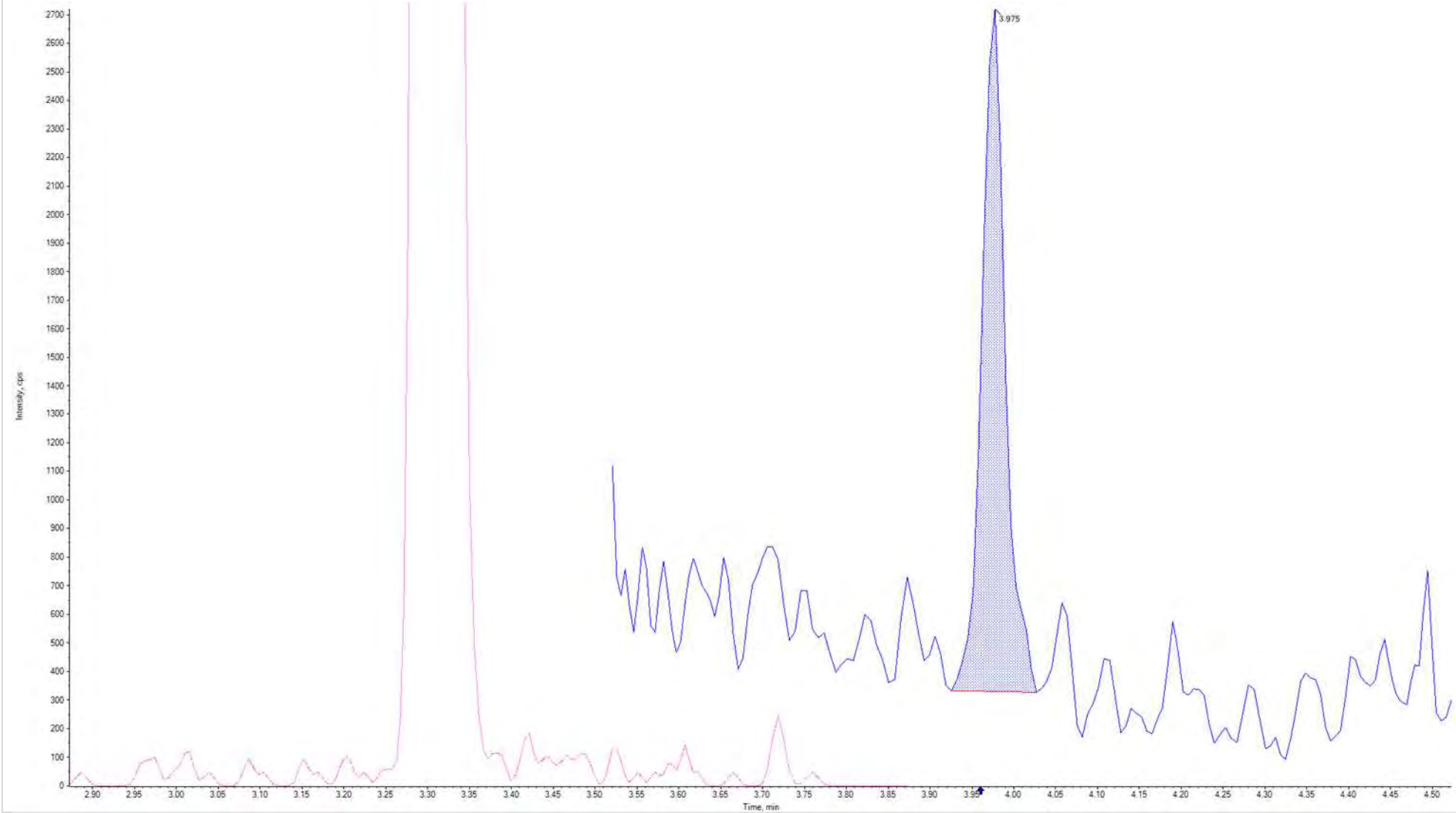
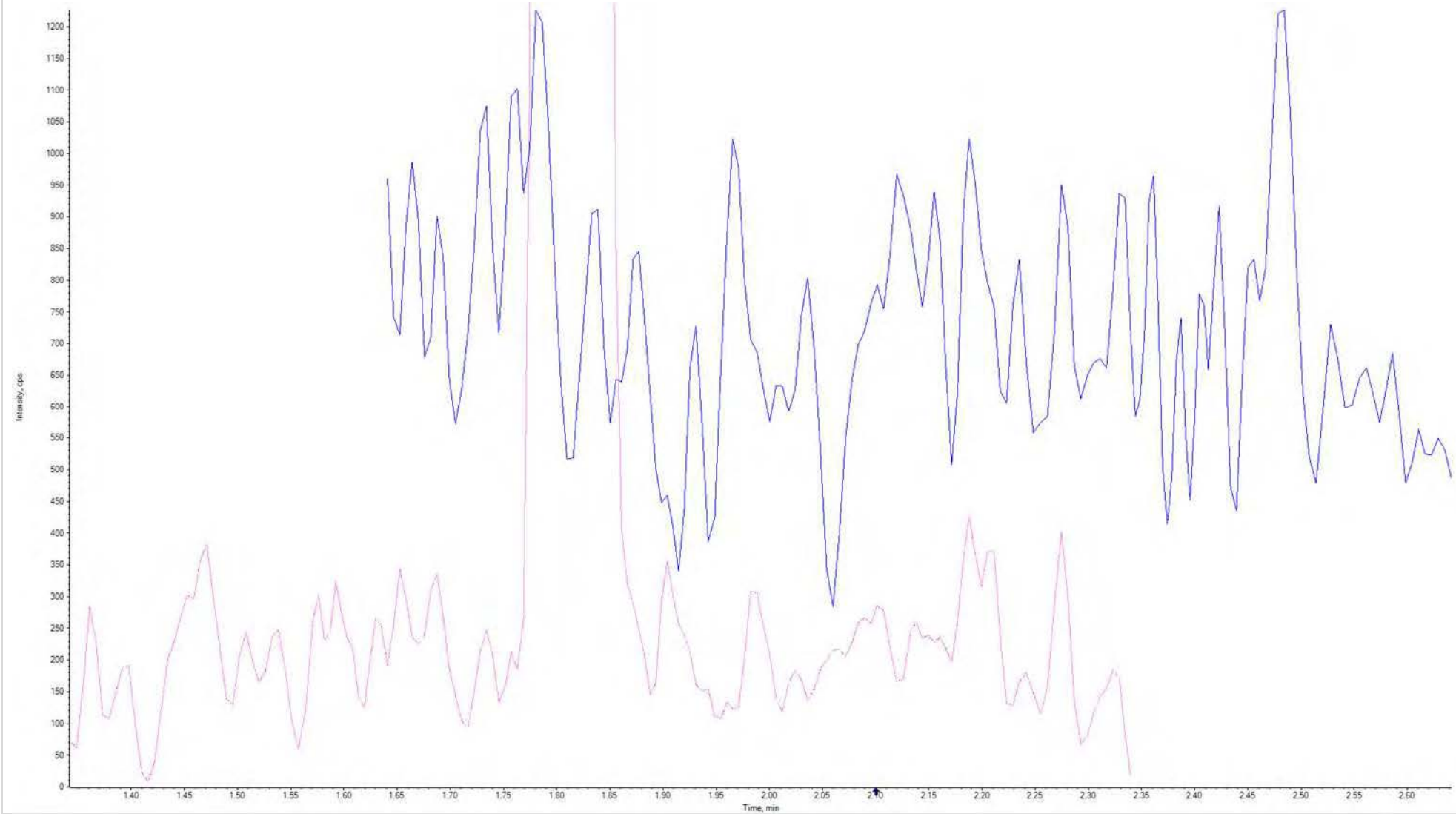
7:3FTCA_2
Sample: L2467934-01 S/N:65.7 Points Across peak:17



PFEESA
Sample: L2467934-01 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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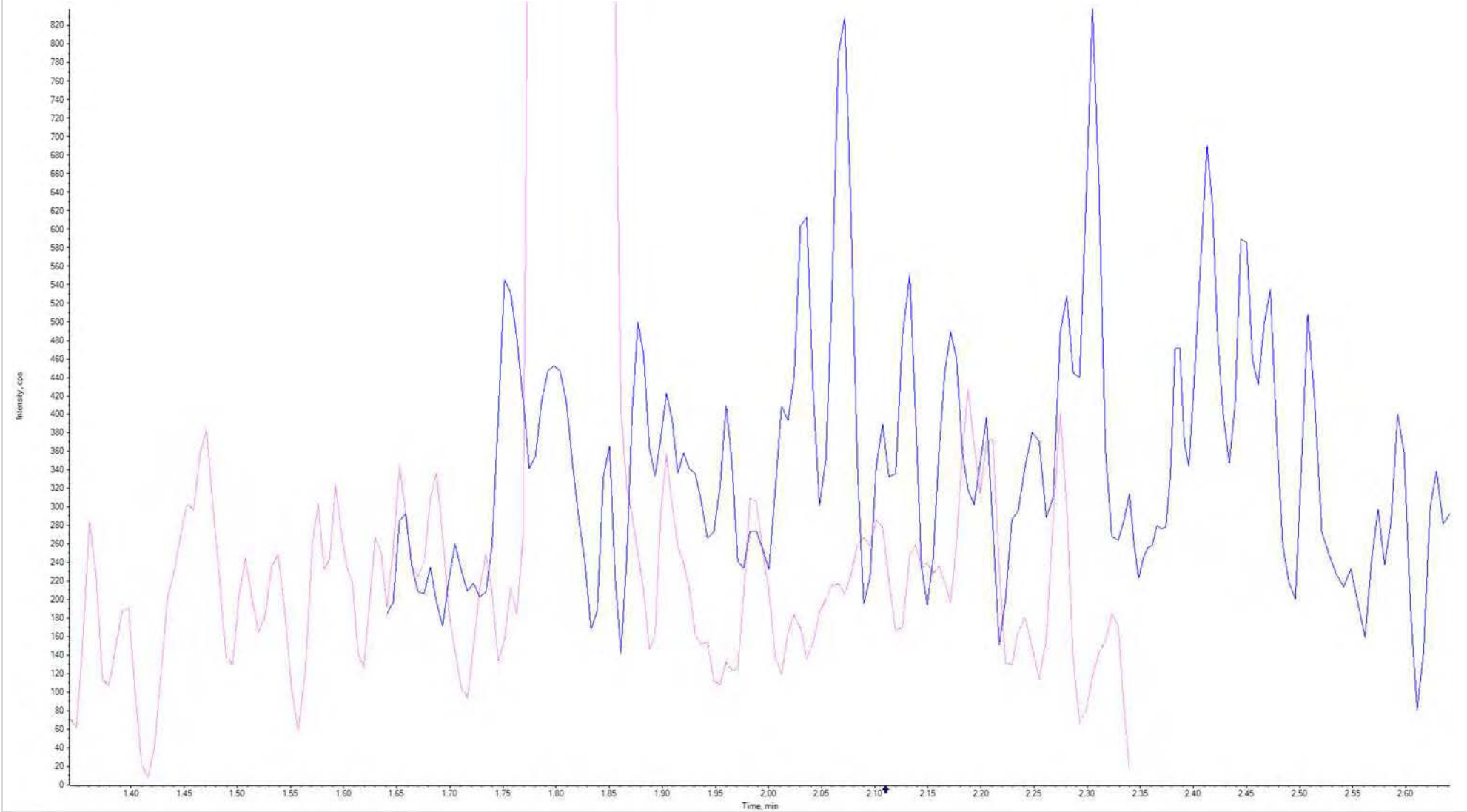
PFEESA_2
Sample: L2467934-01 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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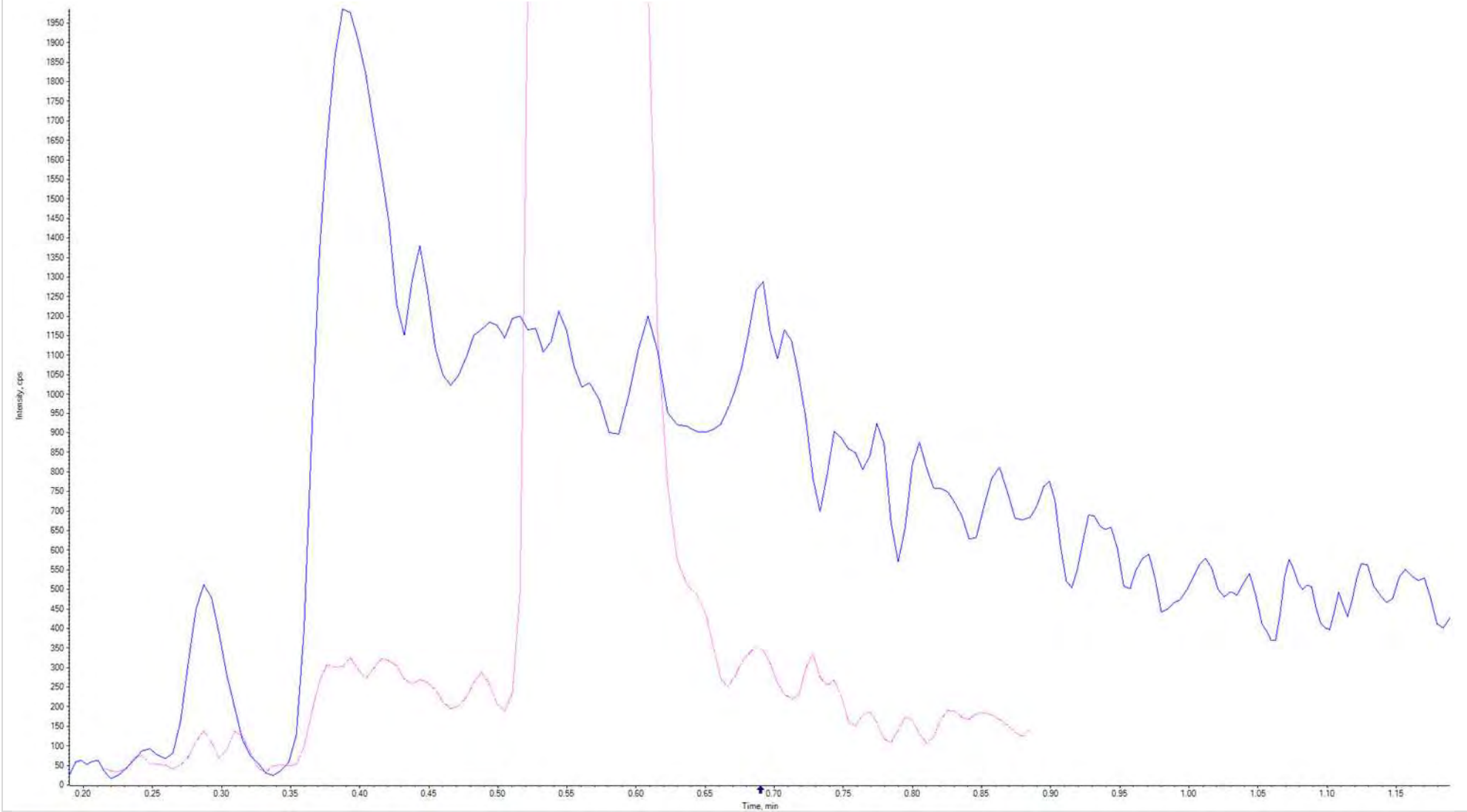
PFMPA
Sample: L2467934-01 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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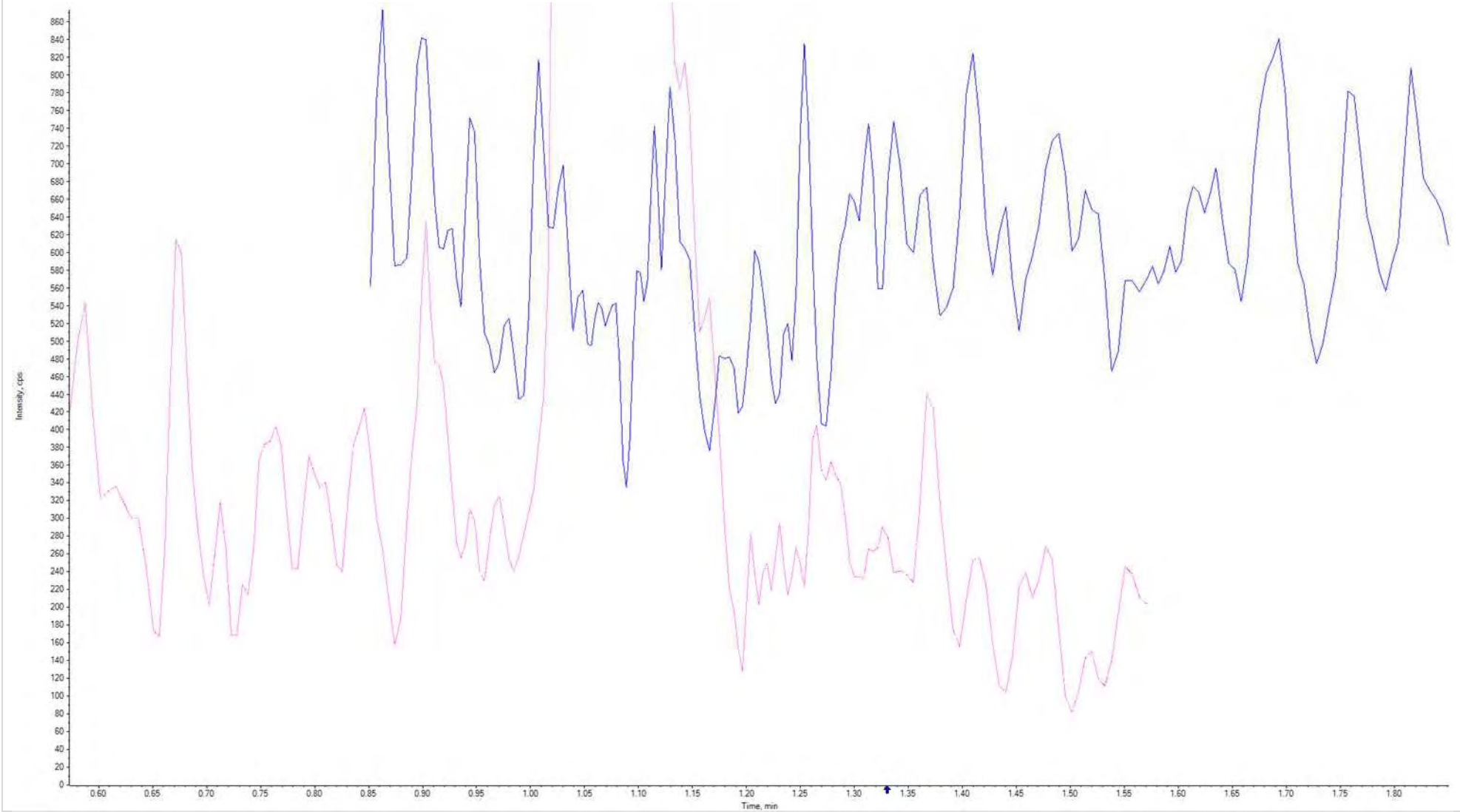
PFMBA
Sample: L2467934-01 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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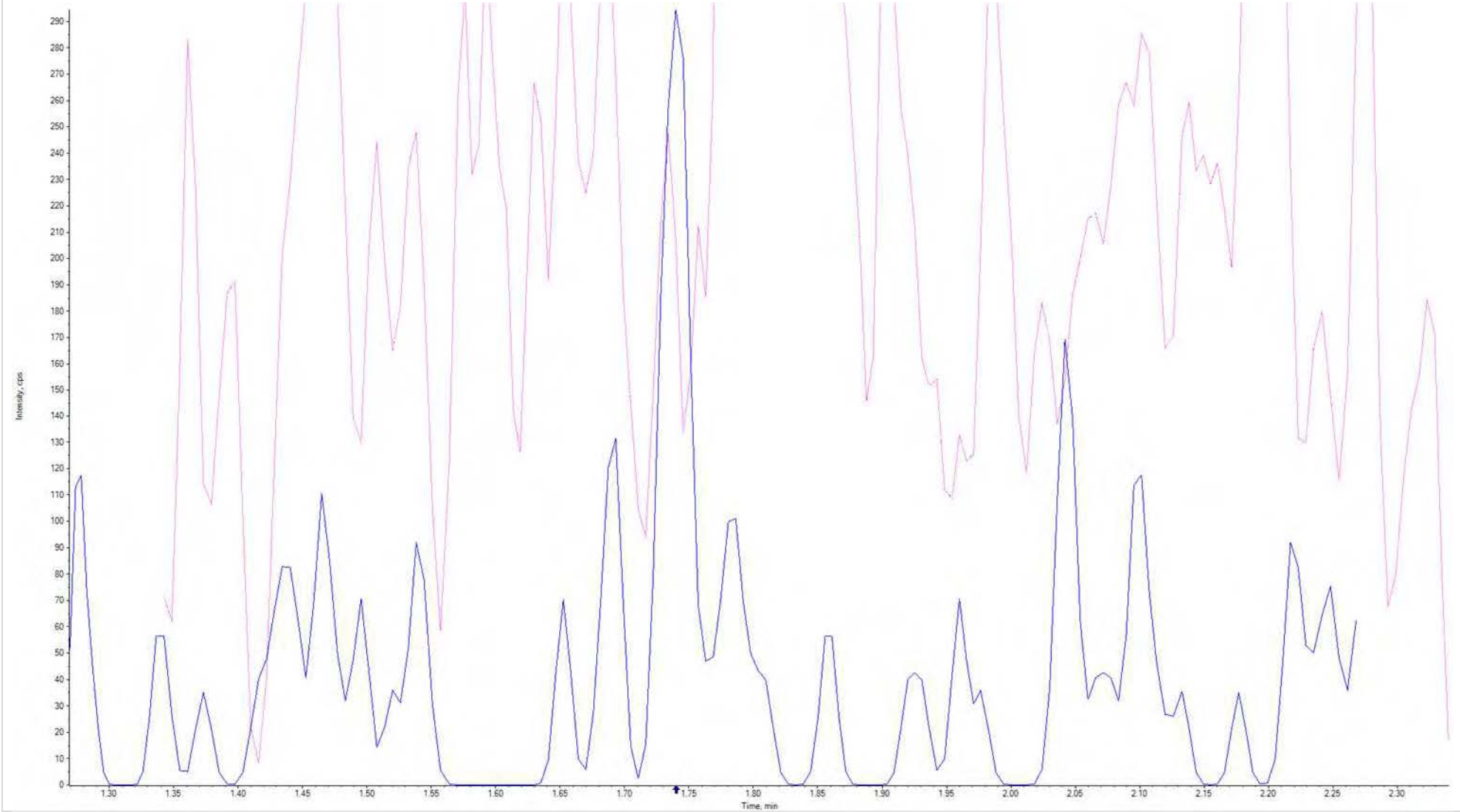
NFDHA
Sample: L2467934-01 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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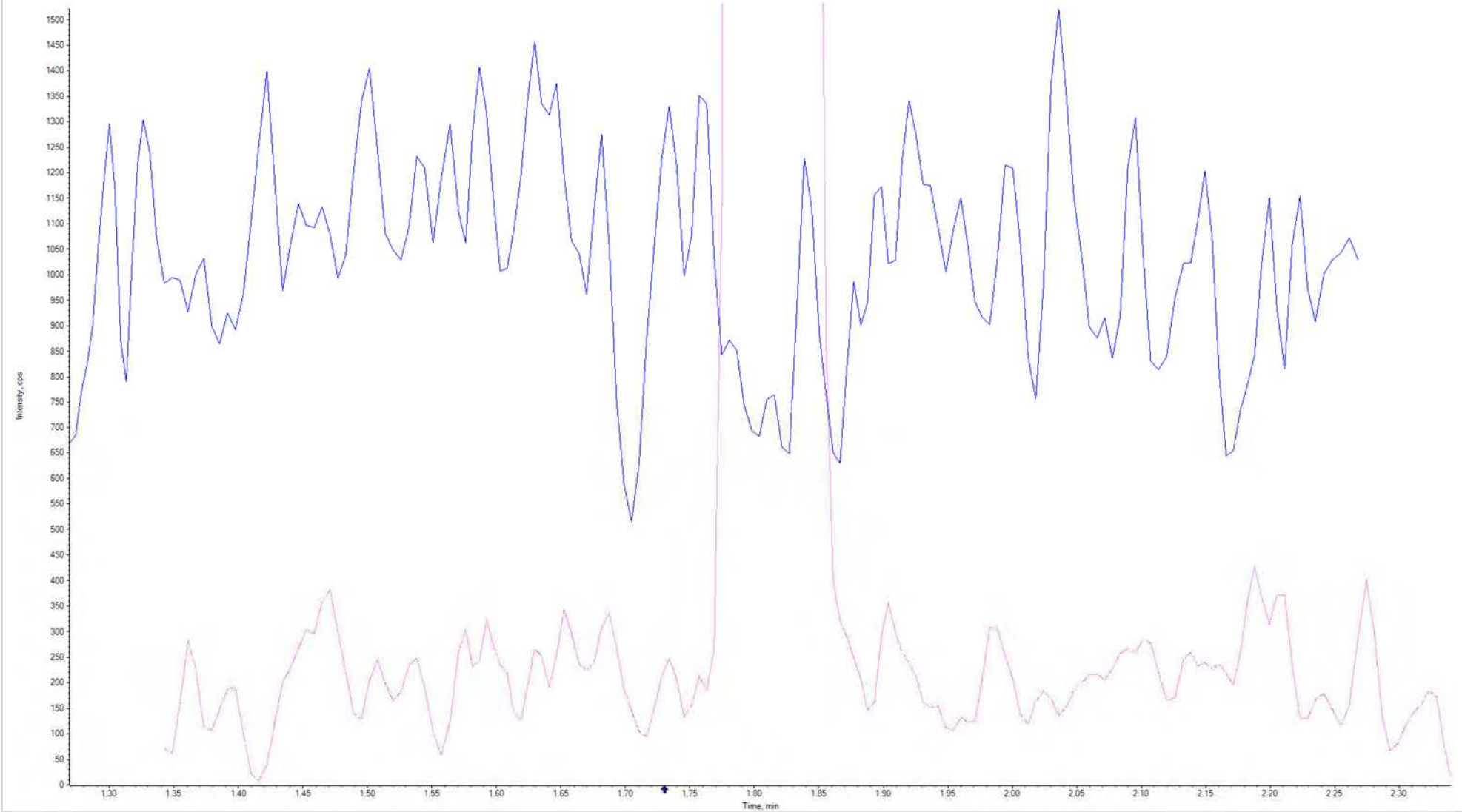
NFDHA_2
Sample: L2467934-01 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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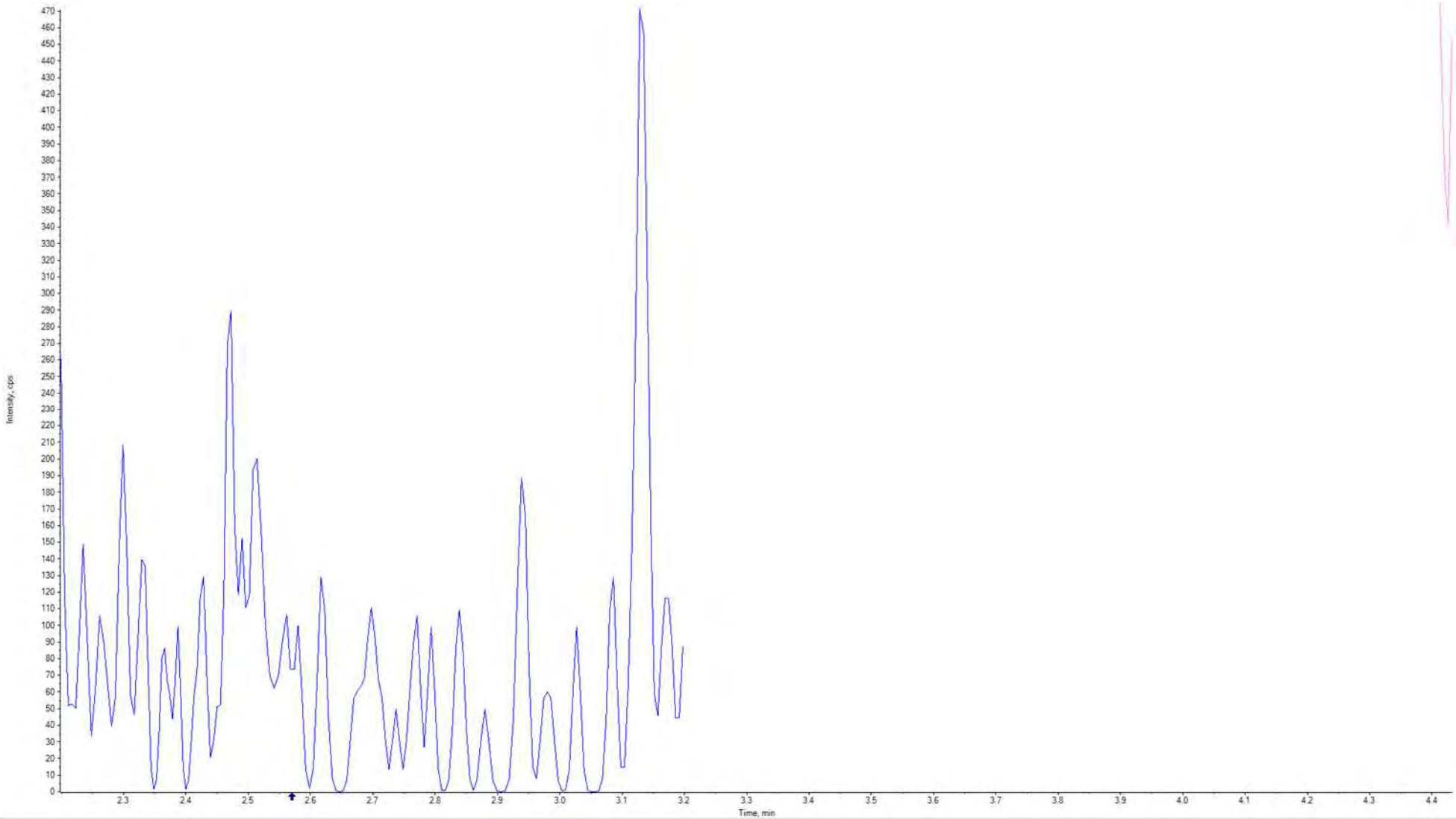
TDCA
Sample: L2467934-01 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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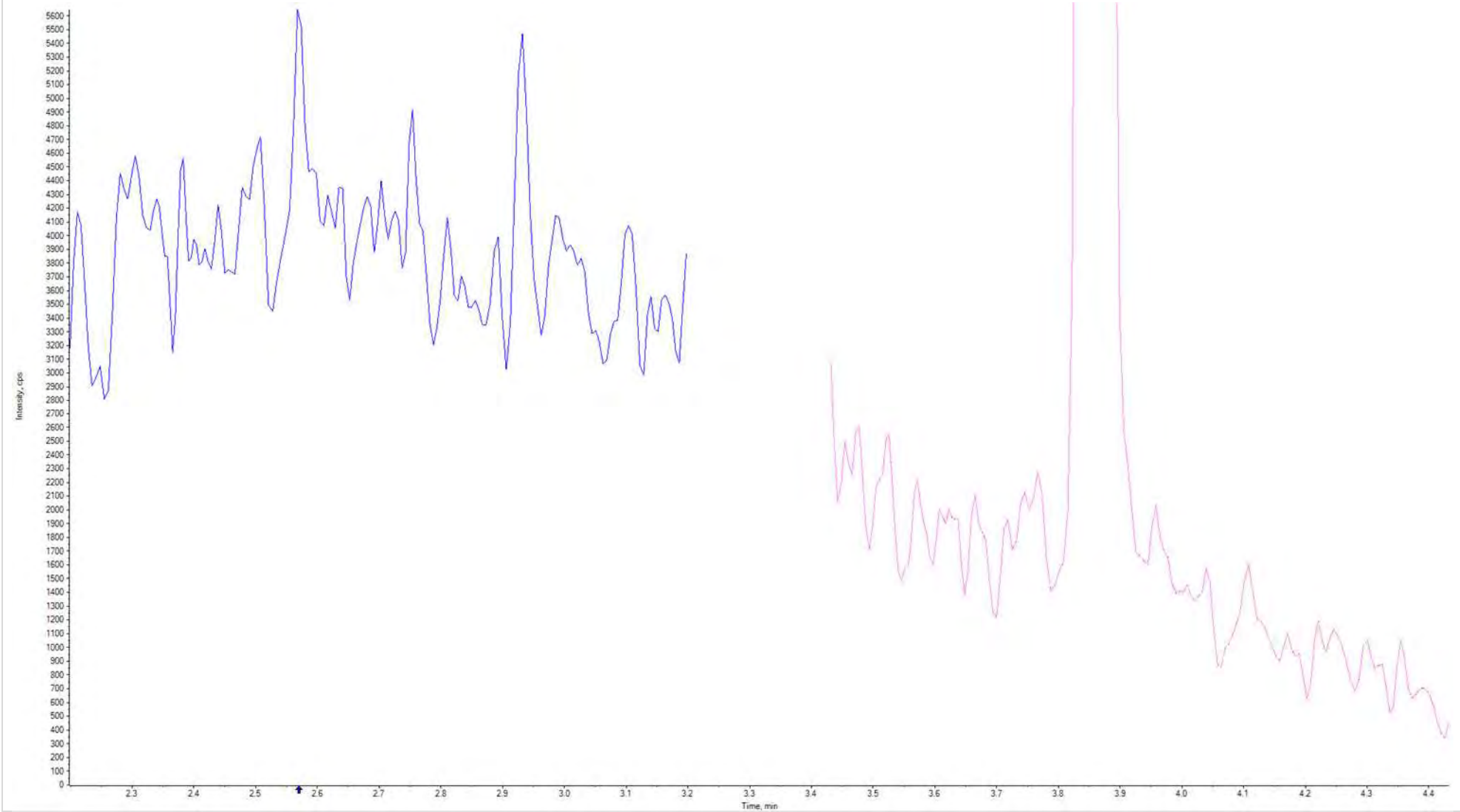
TDCA_2
Sample: L2467934-01 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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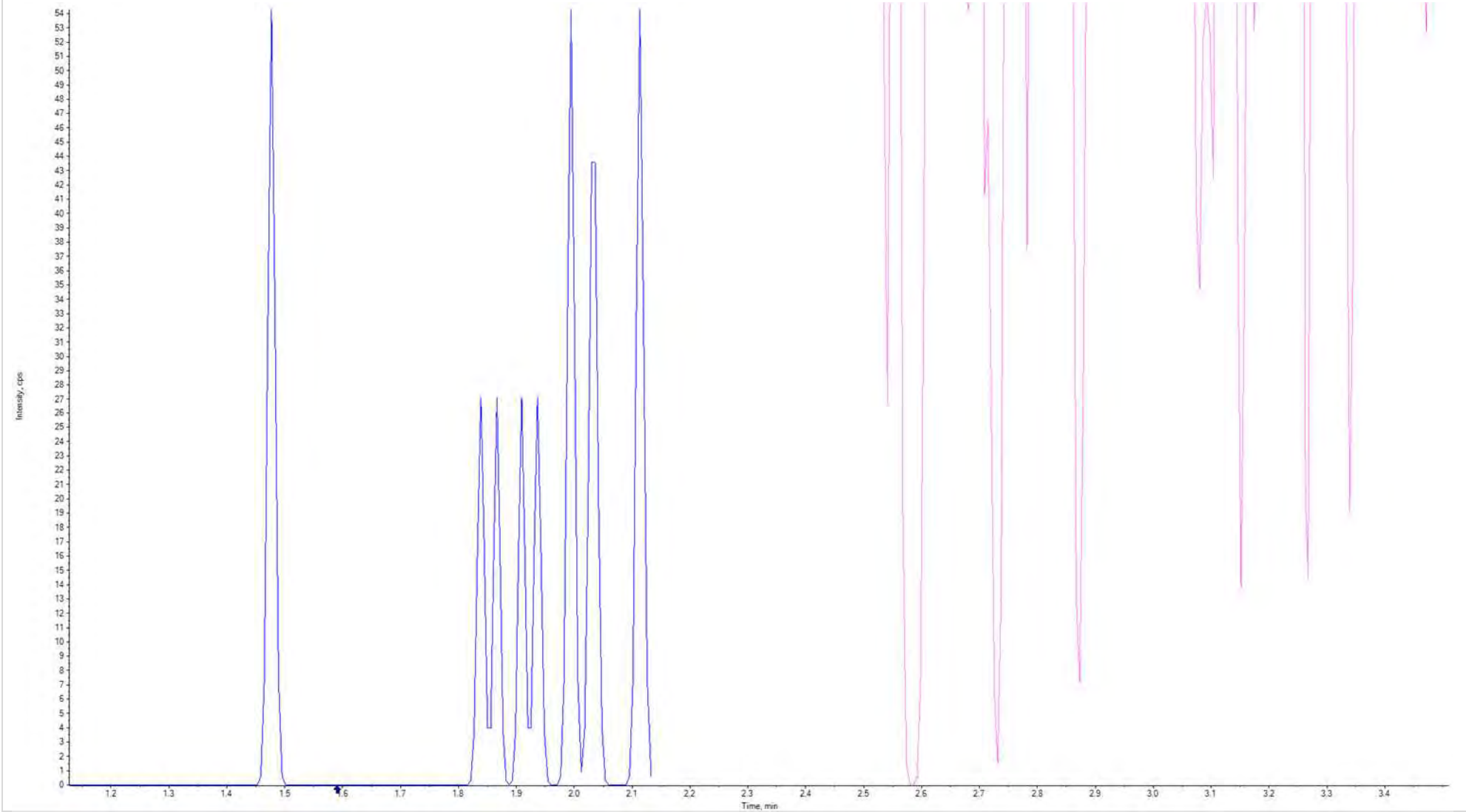
13C2D4-4:2FTS
Sample: L2467934-01 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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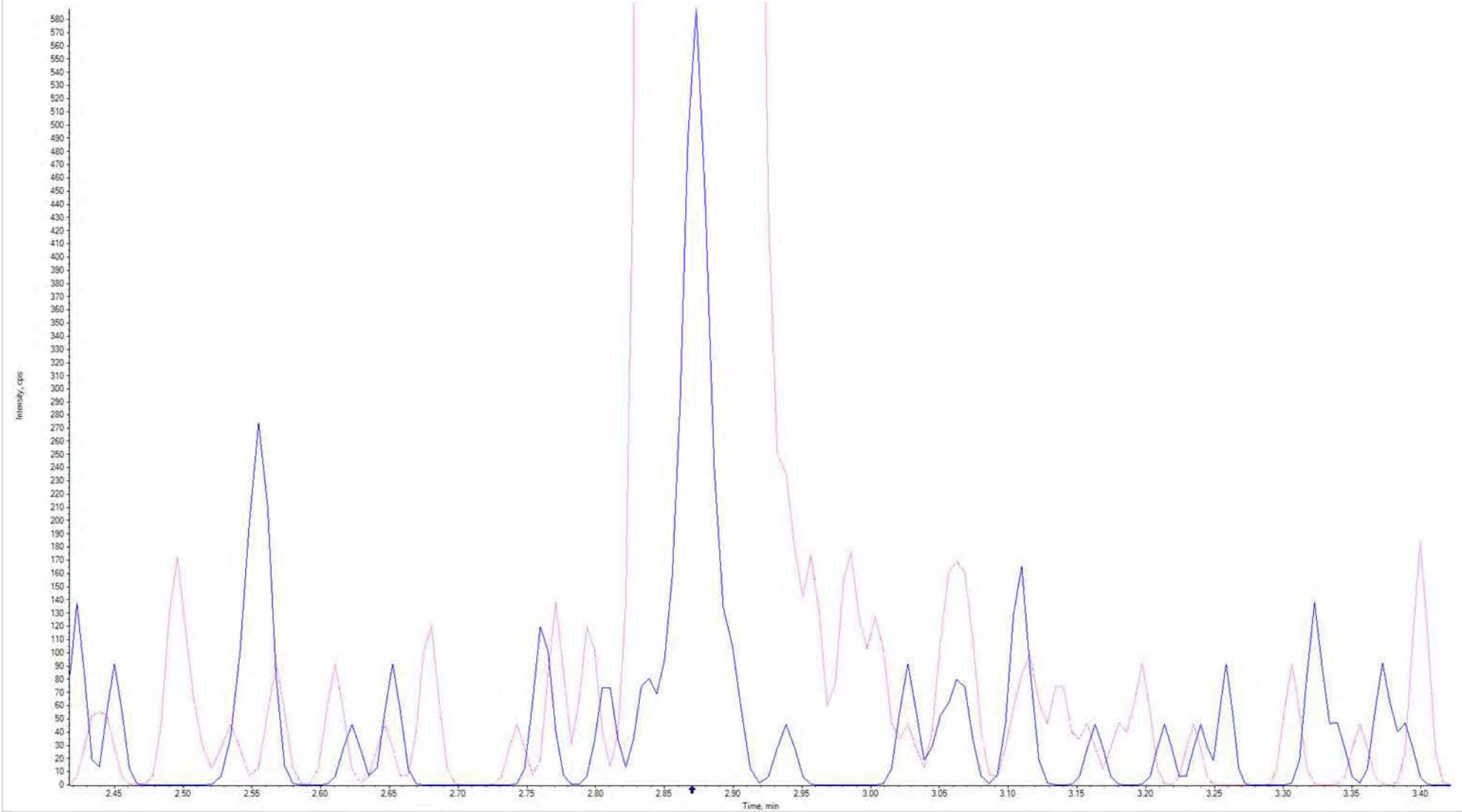
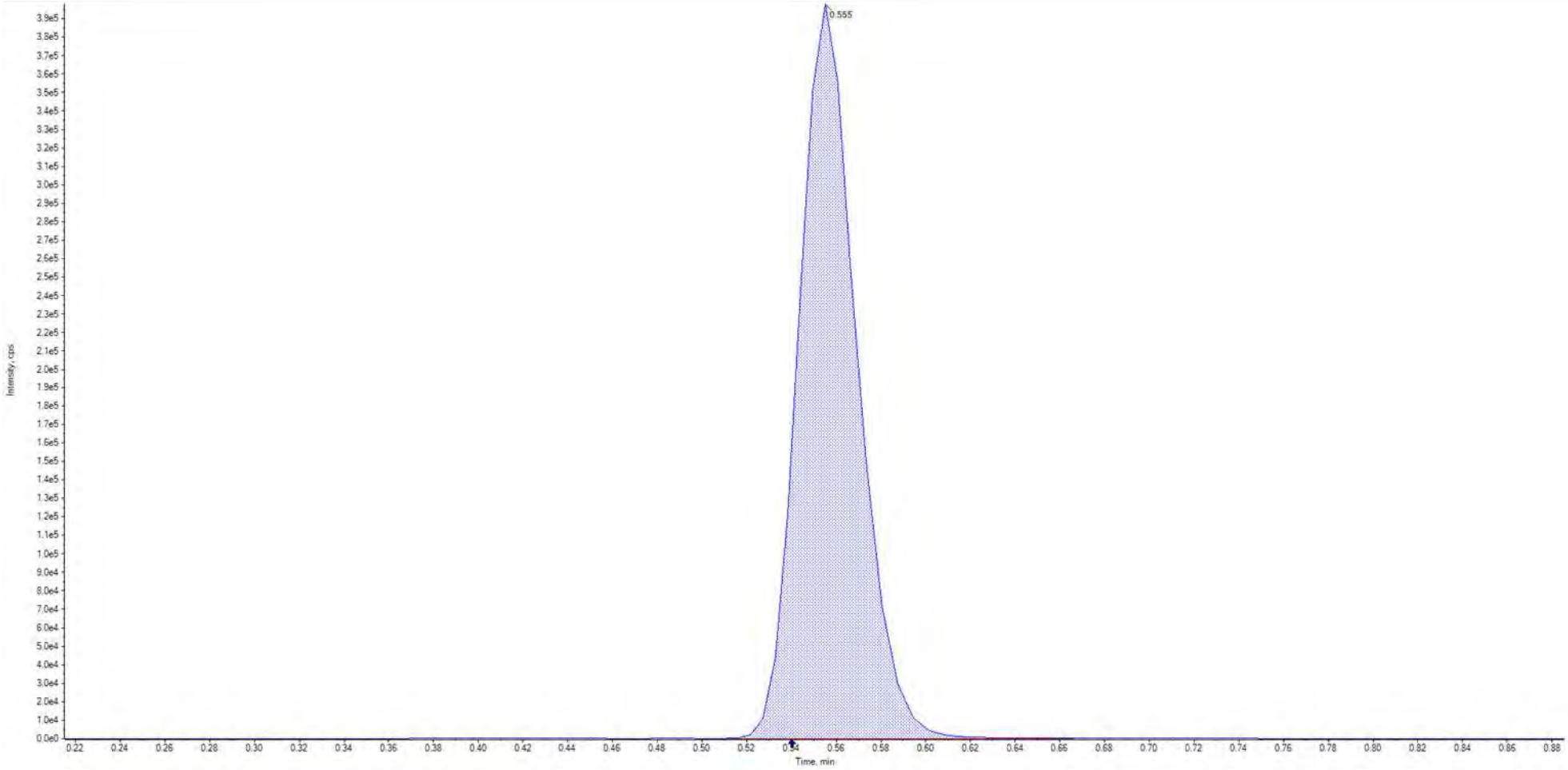
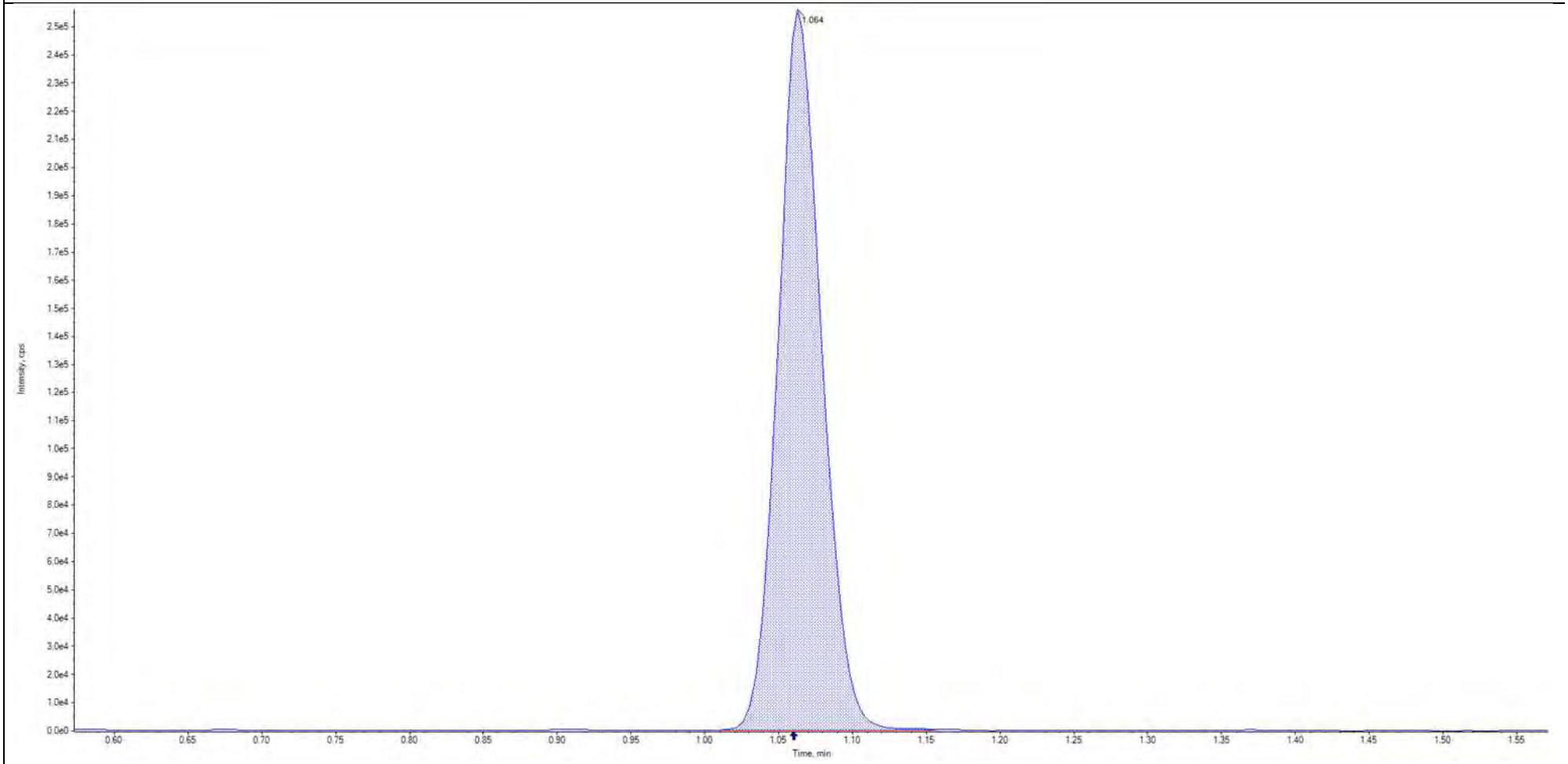
13C2-PFOA
Sample: L2467934-01 S/N:N/A Points Across peak:N/A



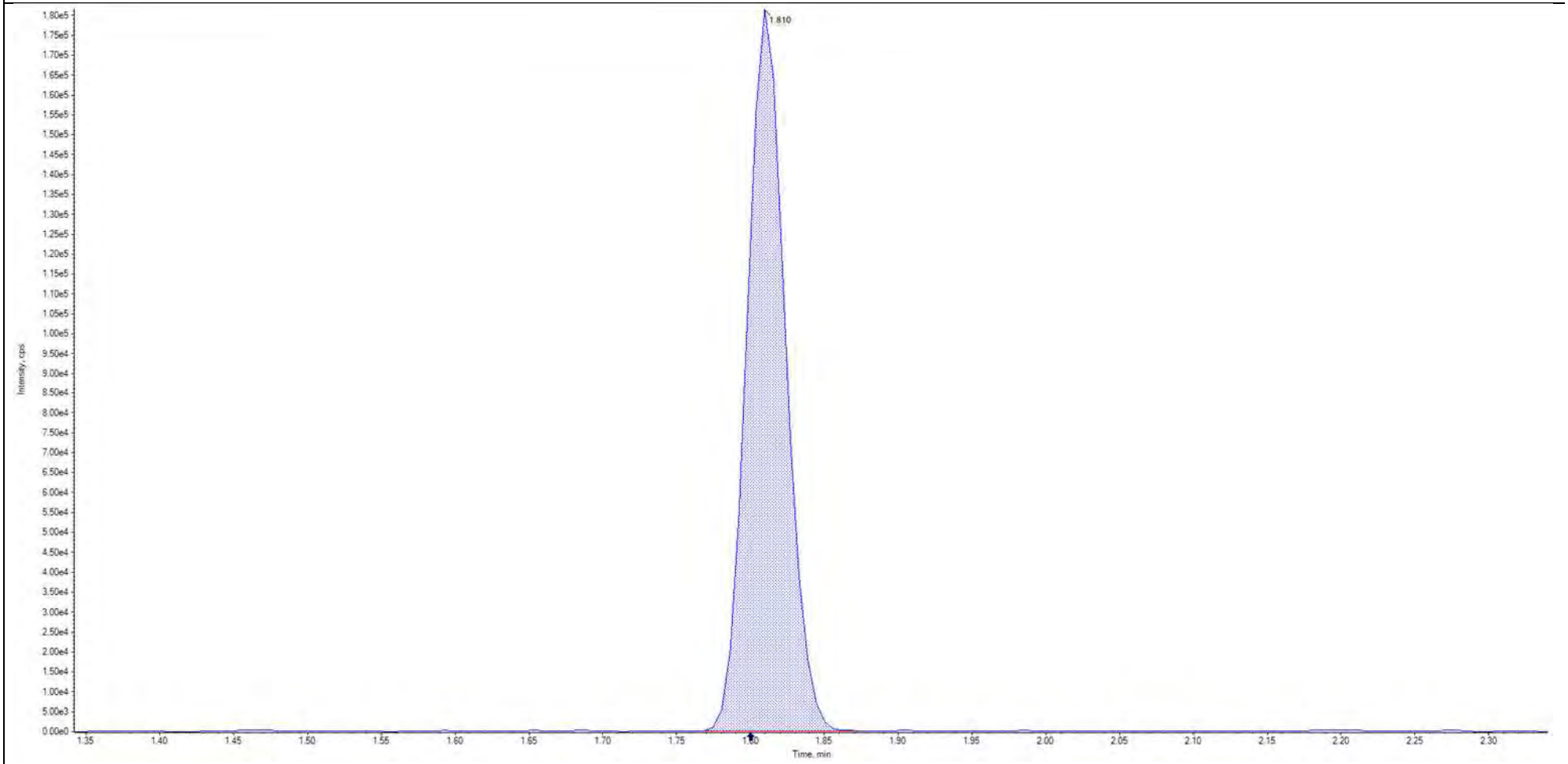
13C4-PFBA
Sample: L2467934-01



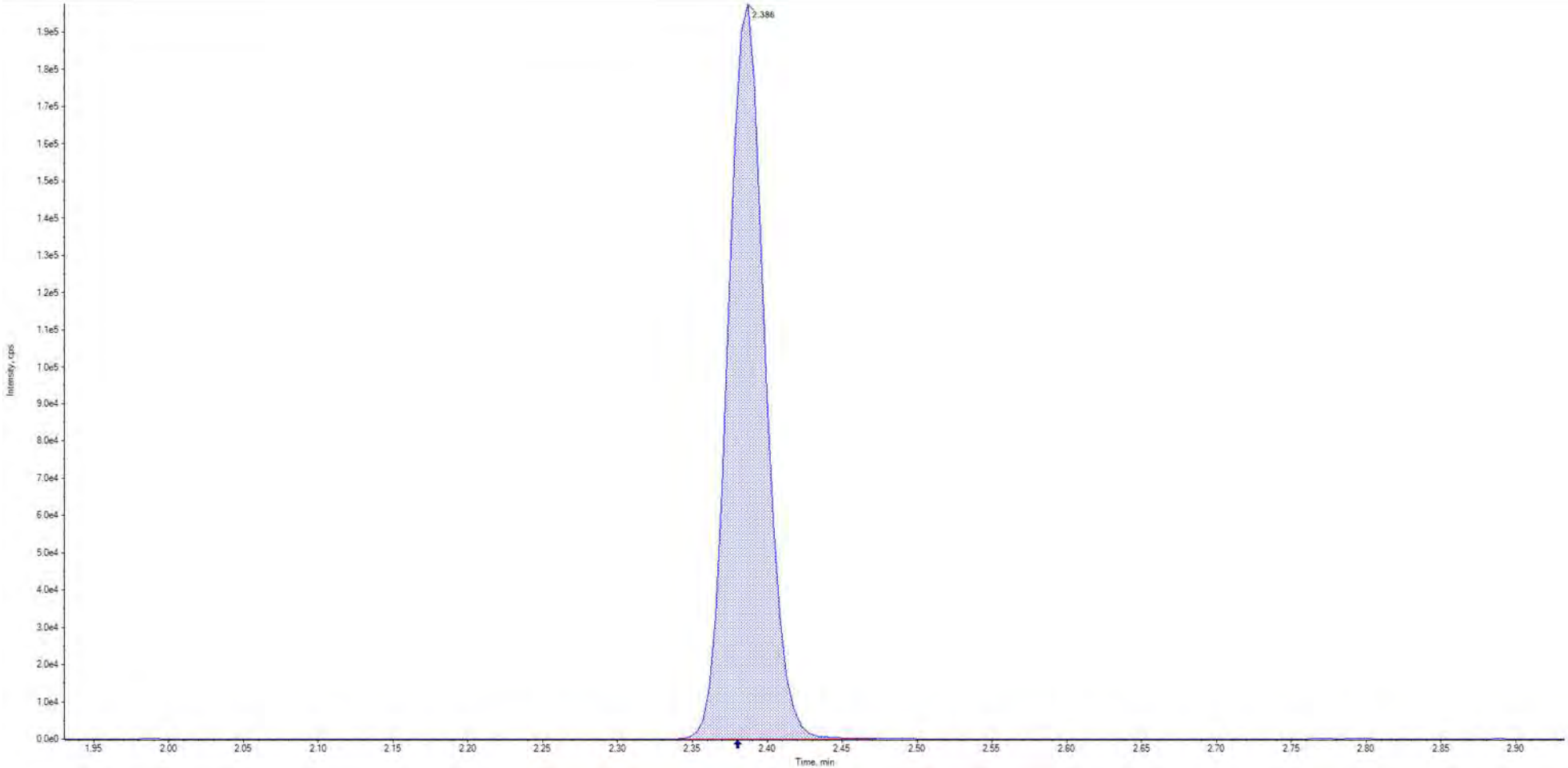
13C5-PFPeA
Sample: L2467934-01



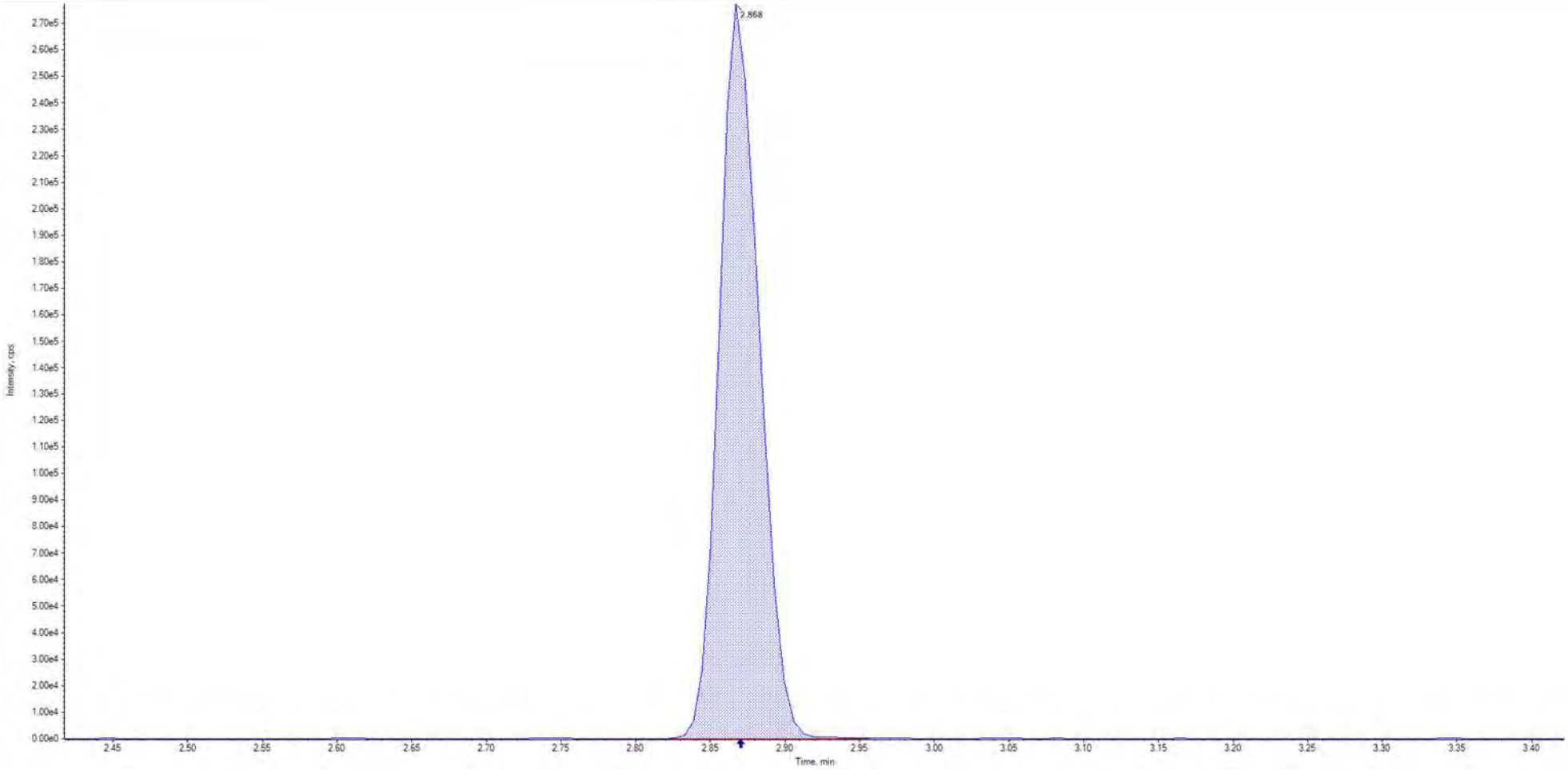
13C5-PFHxA
Sample: L2467934-01



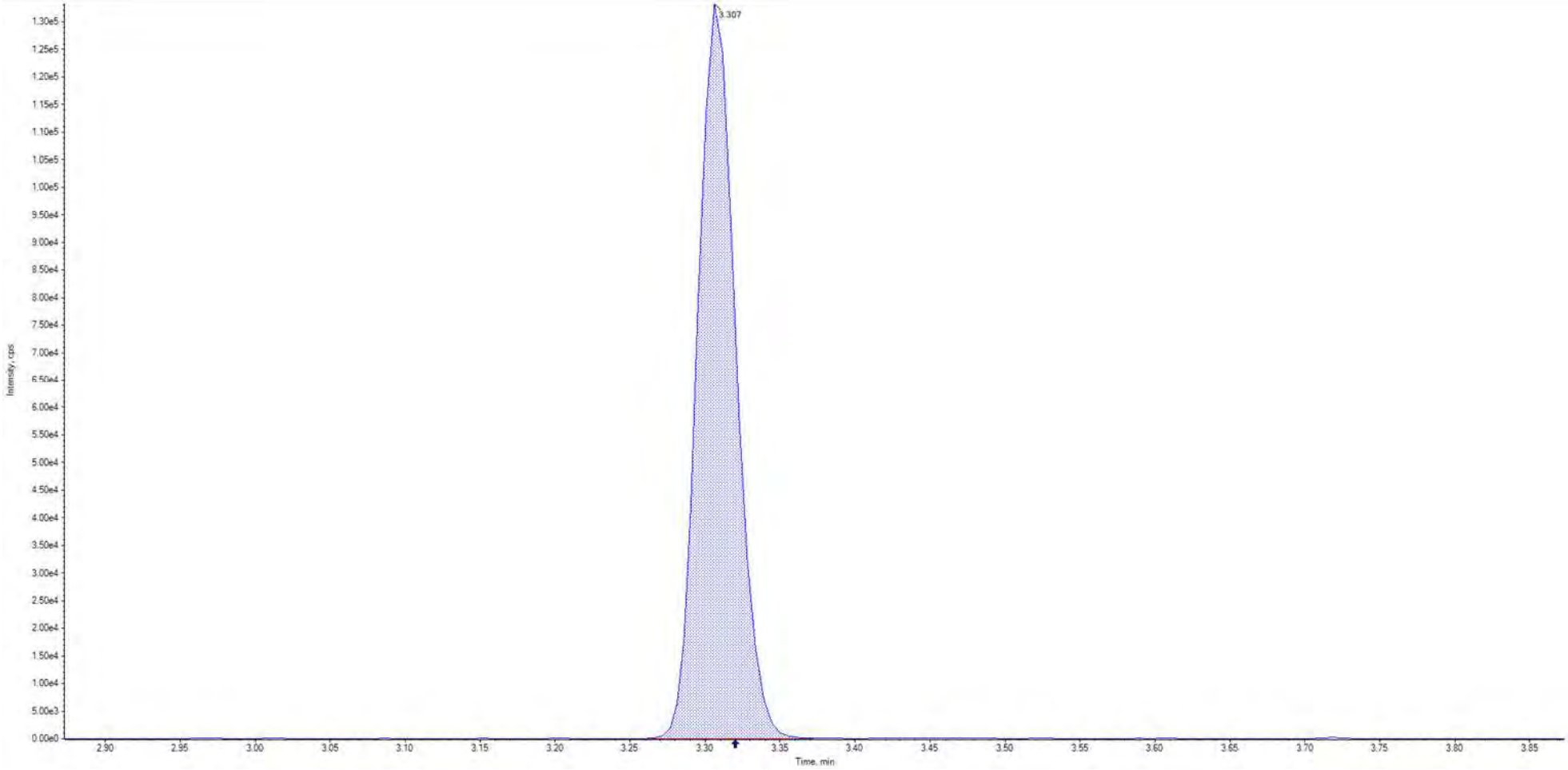
13C4-PFHpA
Sample: L2467934-01



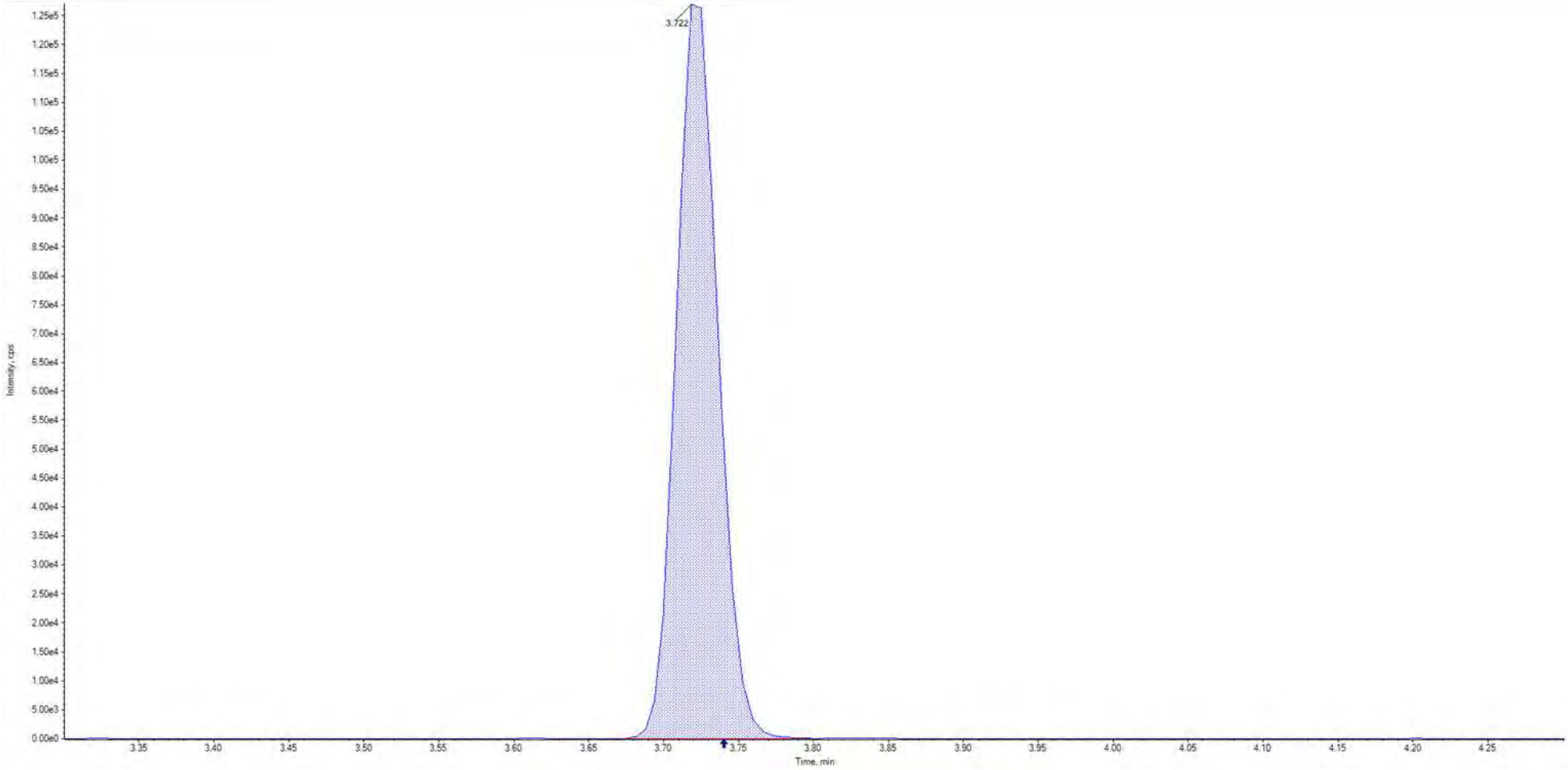
13C8-PFOA
Sample: L2467934-01



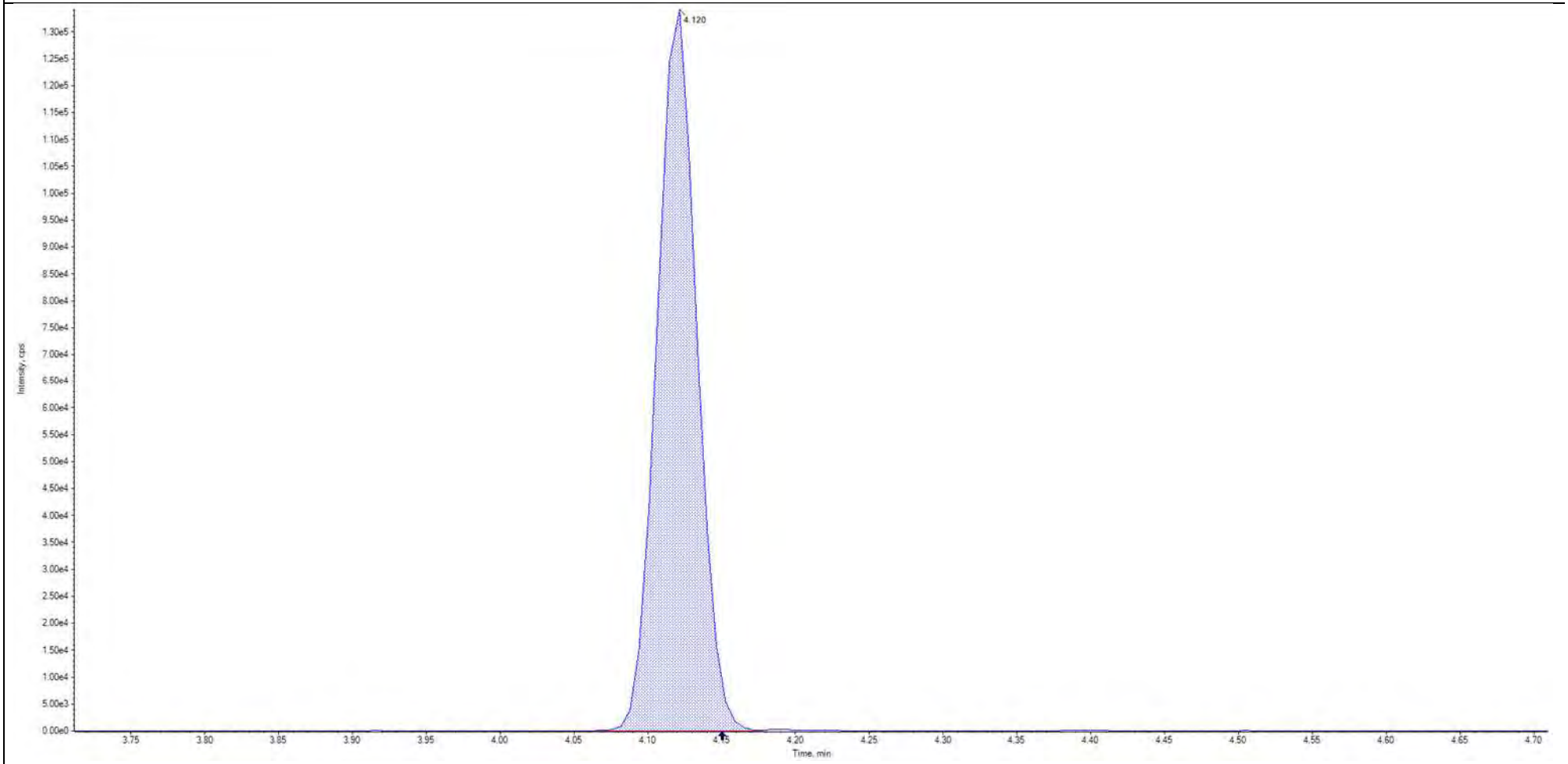
13C9-PFNA
Sample: L2467934-01



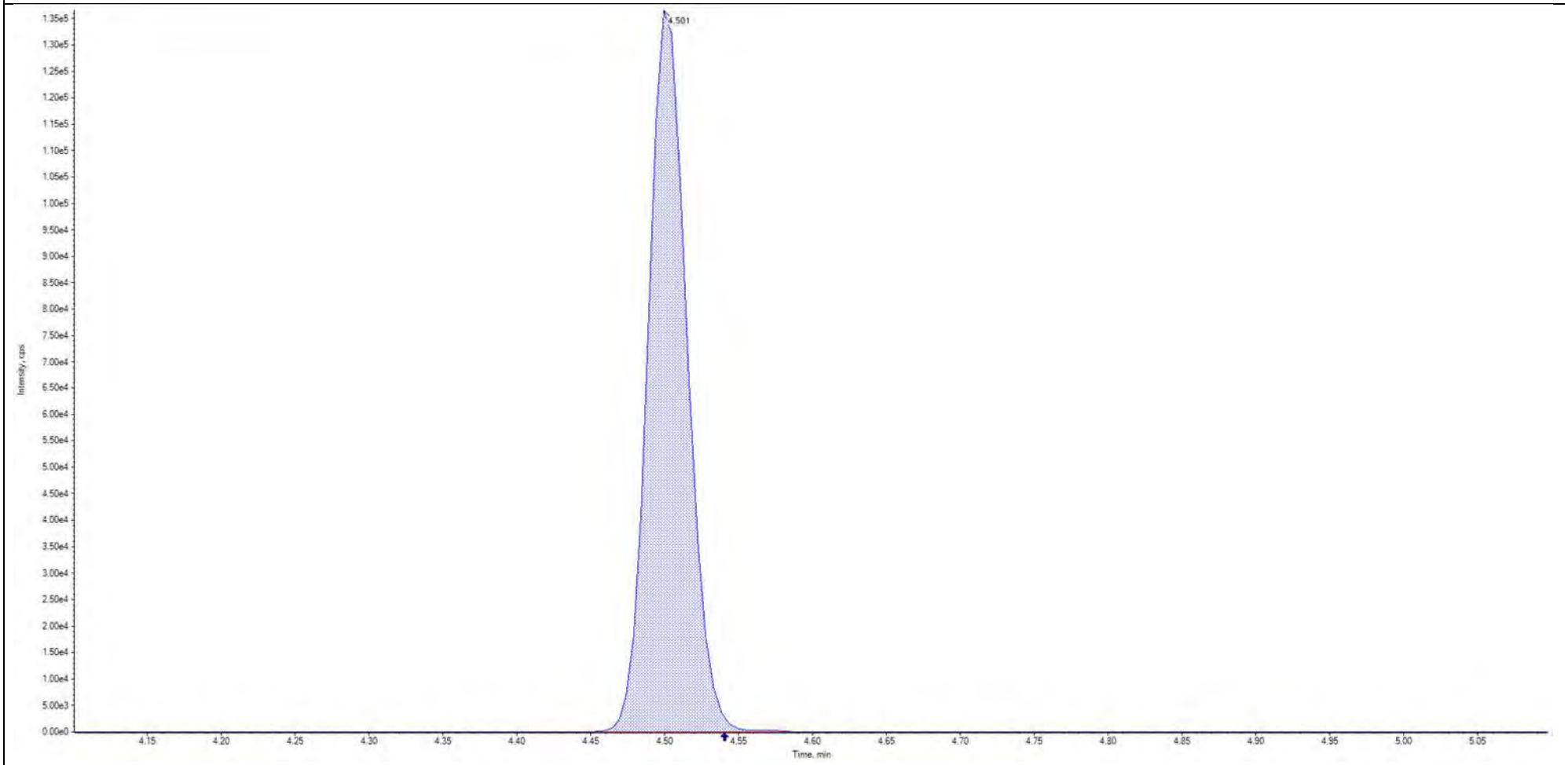
13C6-PFDA
Sample: L2467934-01



13C7-PFUnA
Sample: L2467934-01



13C2-PFDoA
Sample: L2467934-01



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Generated: 12/23/2024 2:36:12 PM

13C2-PFTeDA
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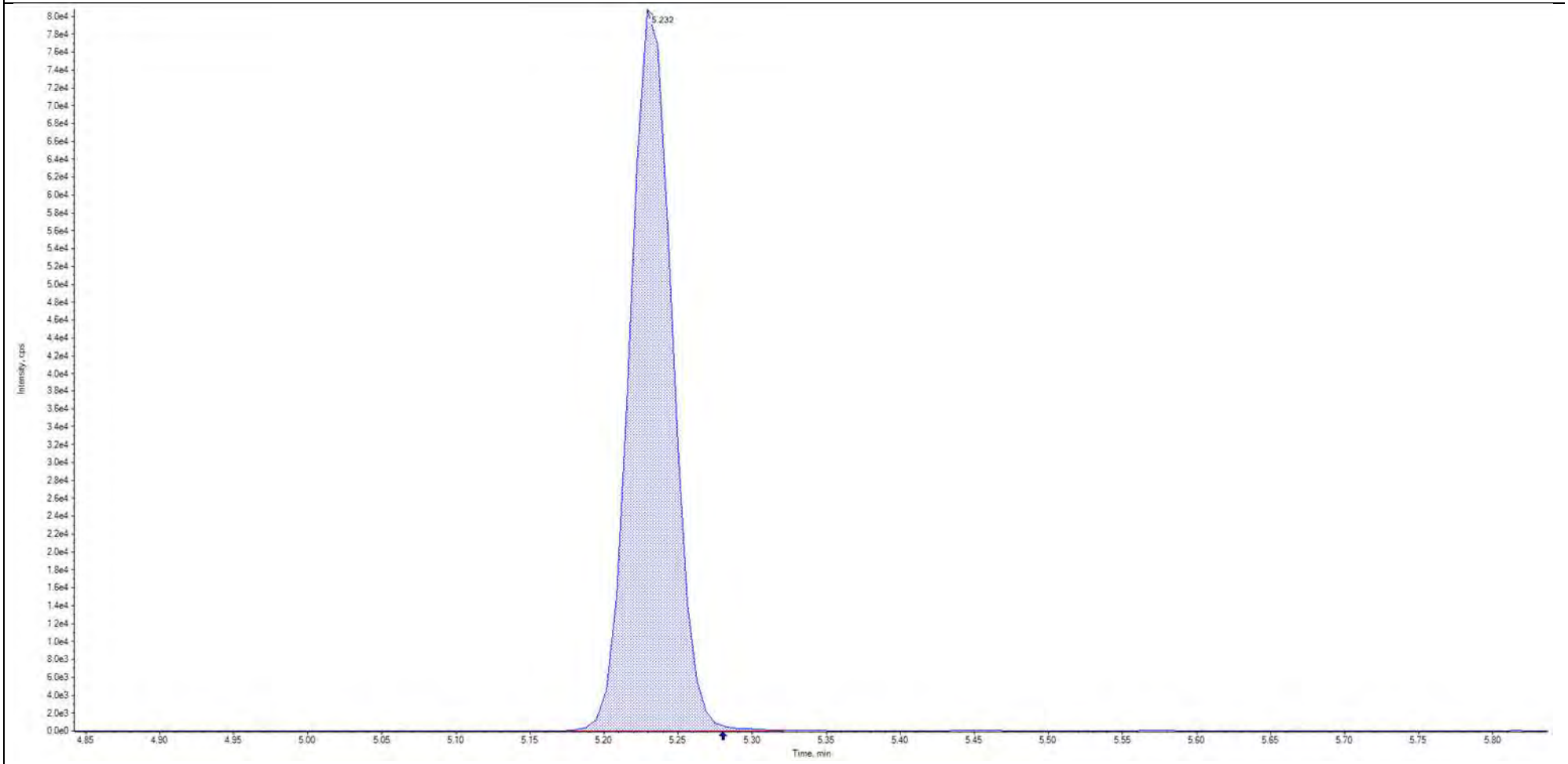

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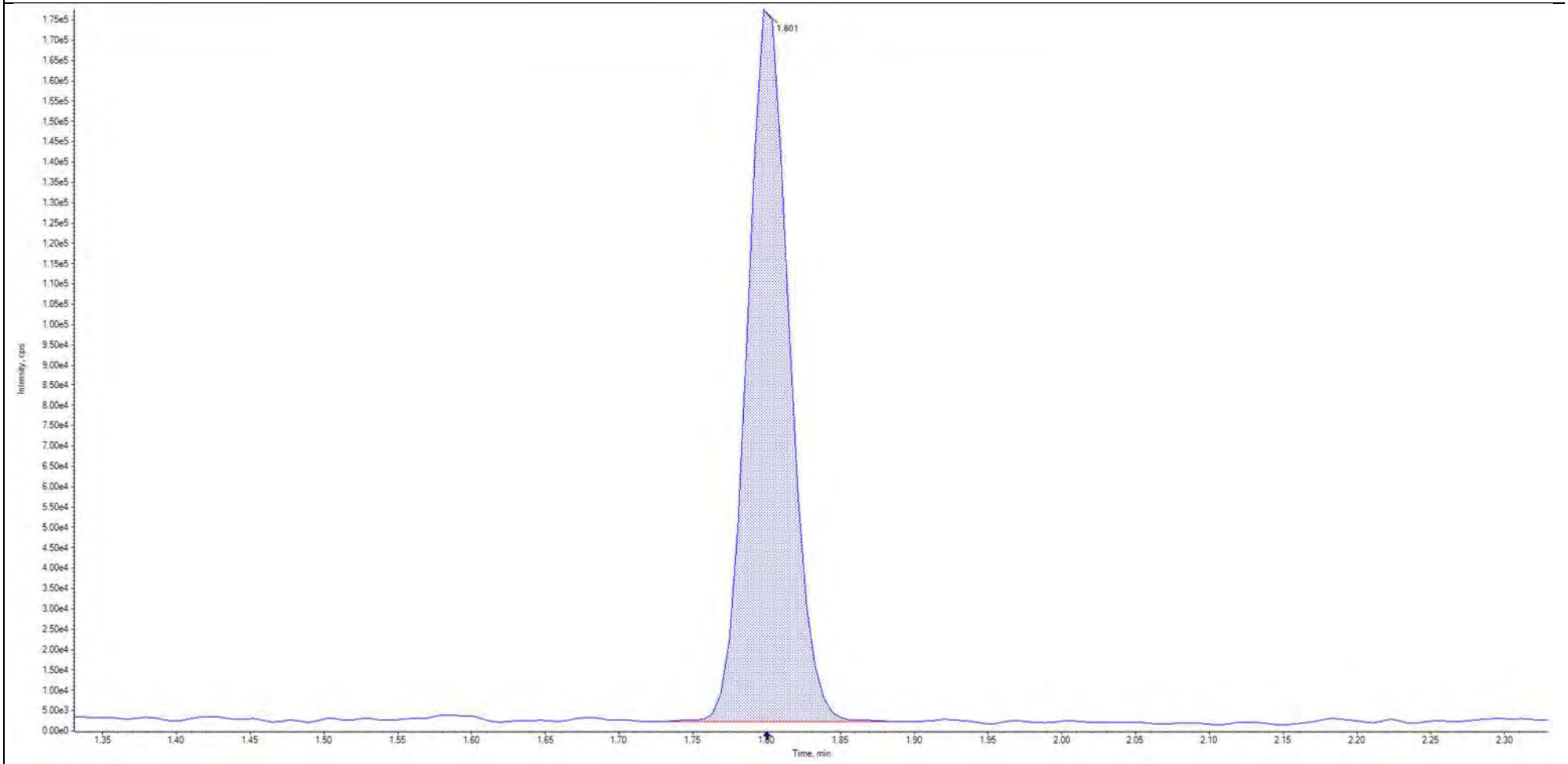
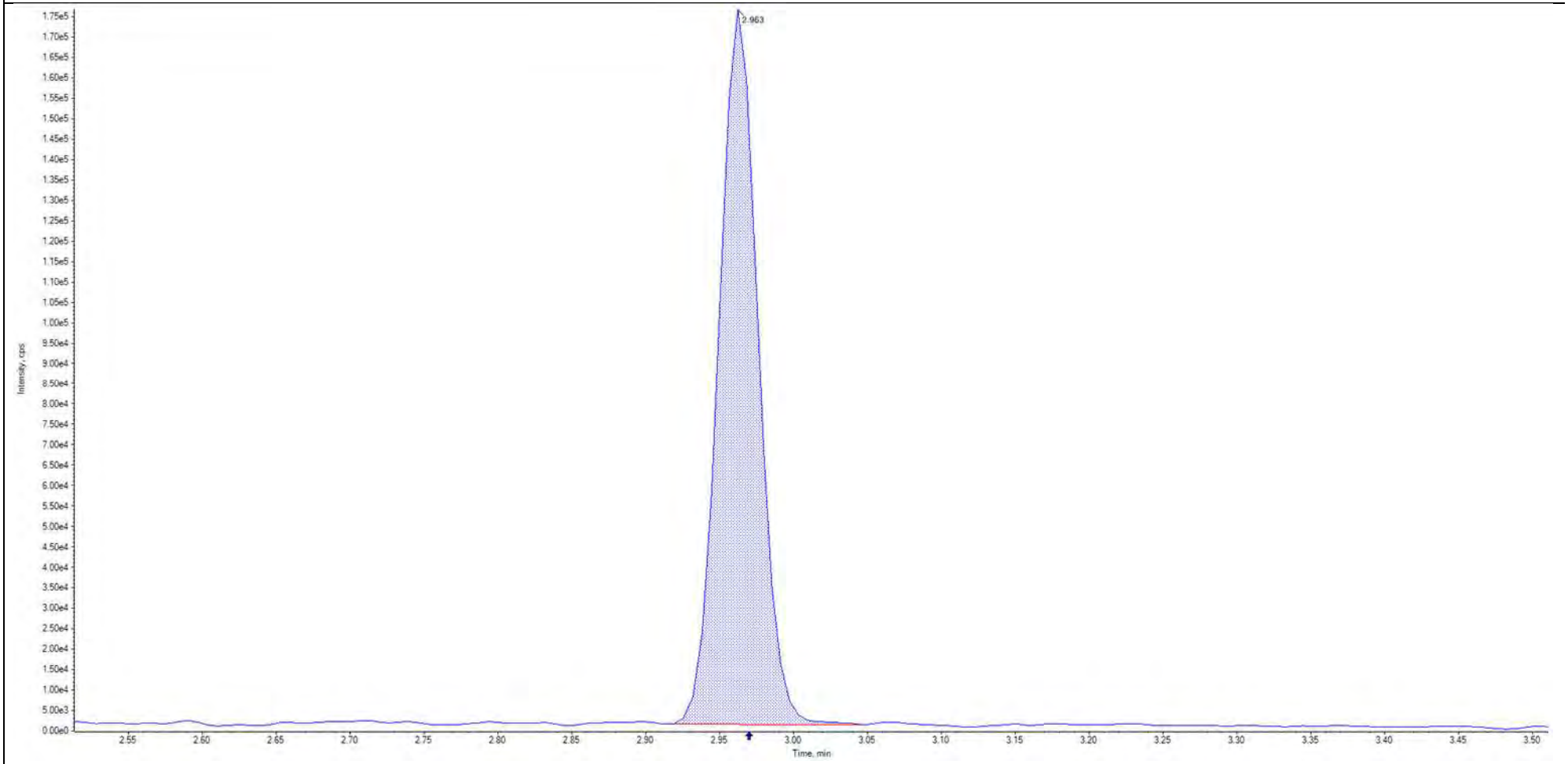
Generated: 12/23/2024 2:36:12 PM

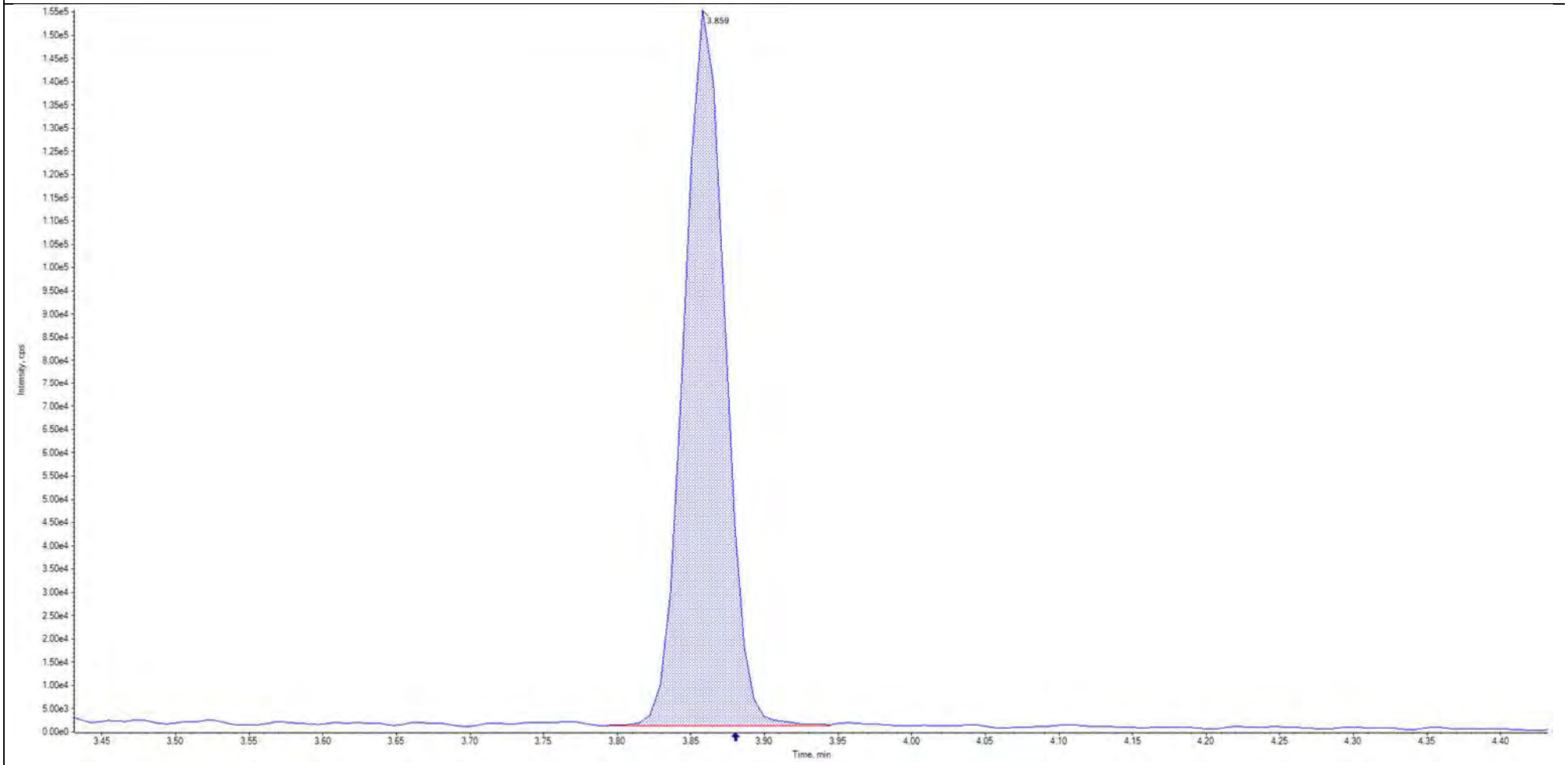
13C3-PFBS
Sample: L2467934-01



13C3-PFHxS
Sample: L2467934-01



13C8-PFOS
Sample: L2467934-01



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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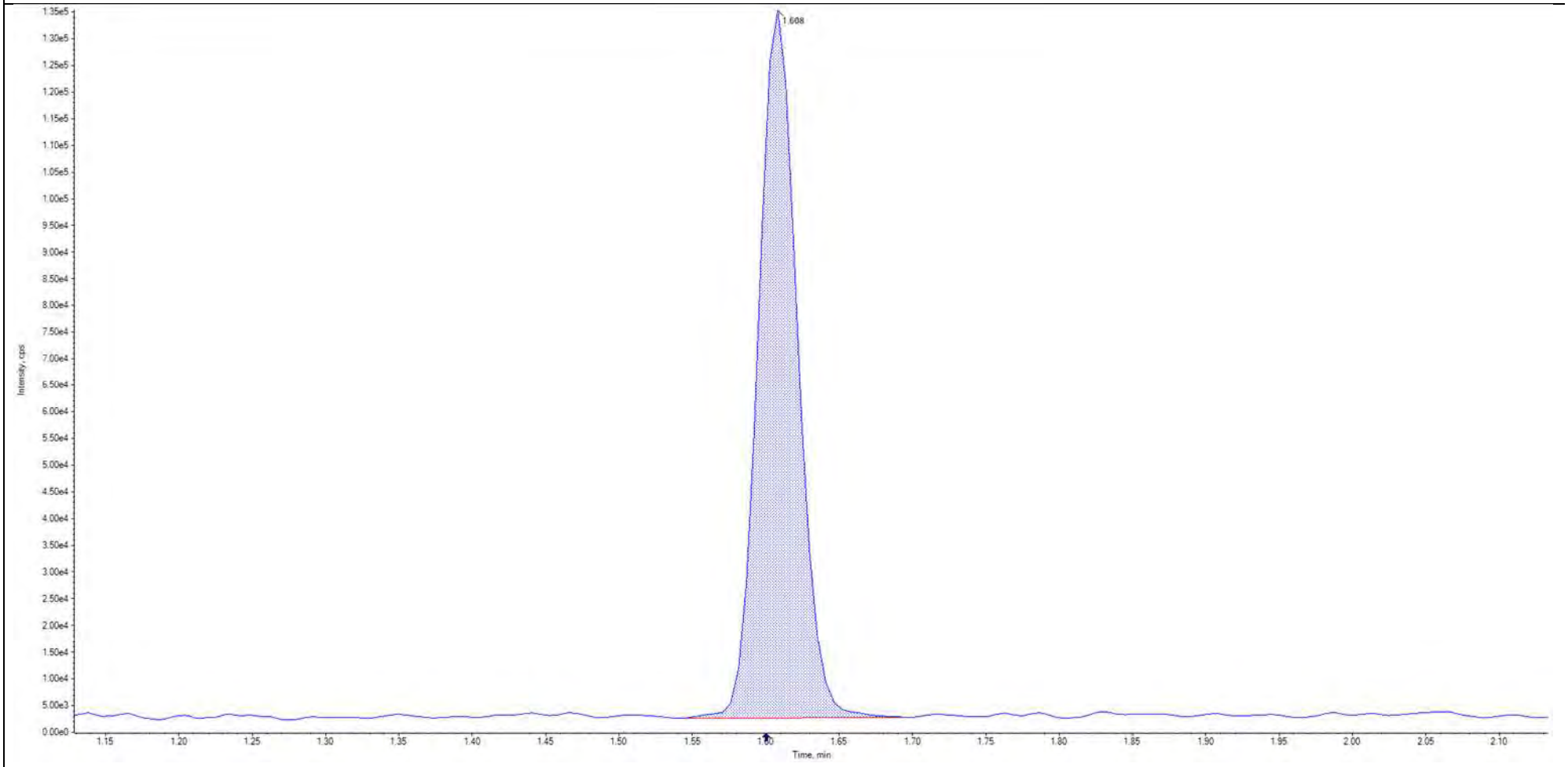
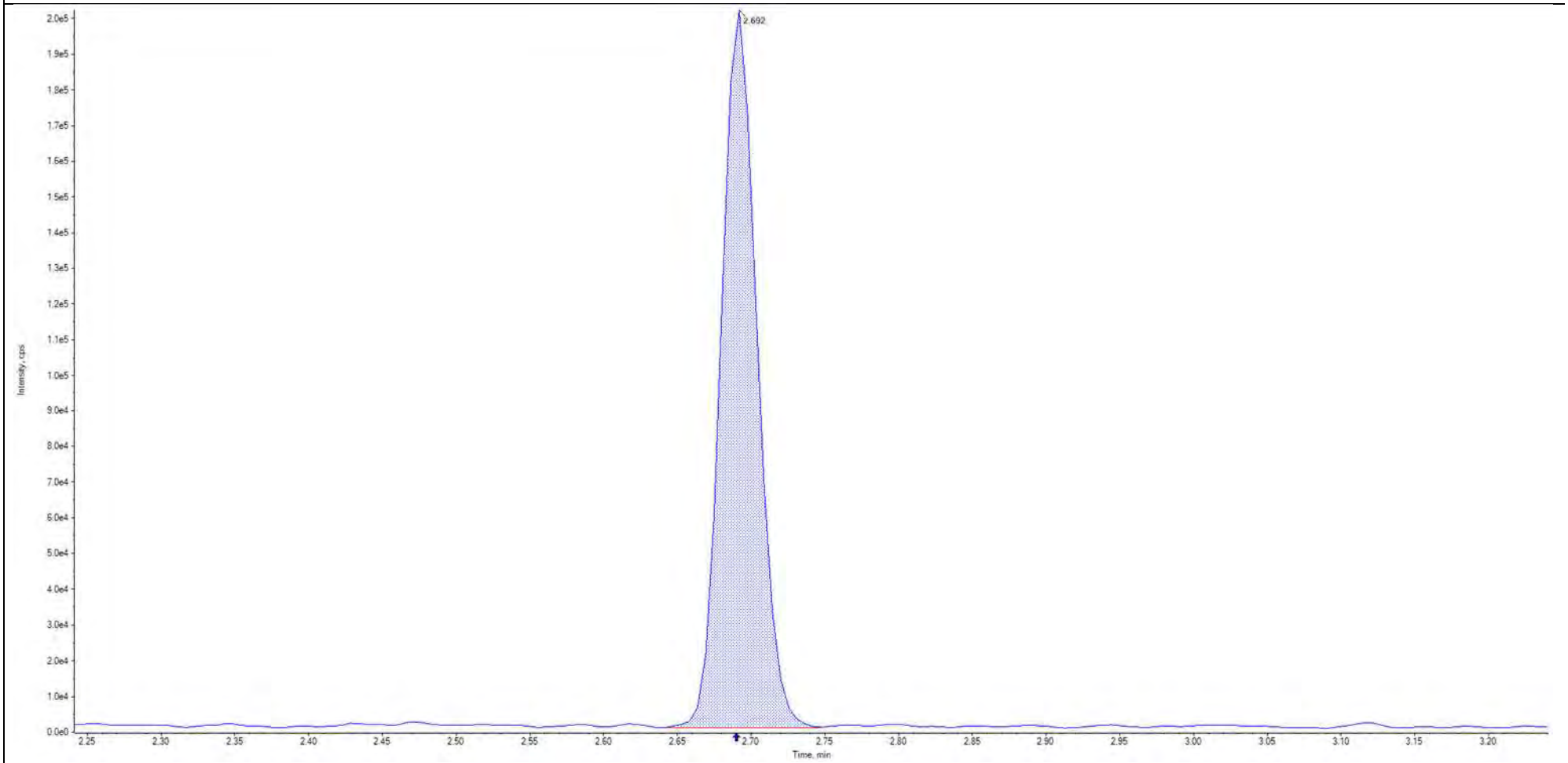
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

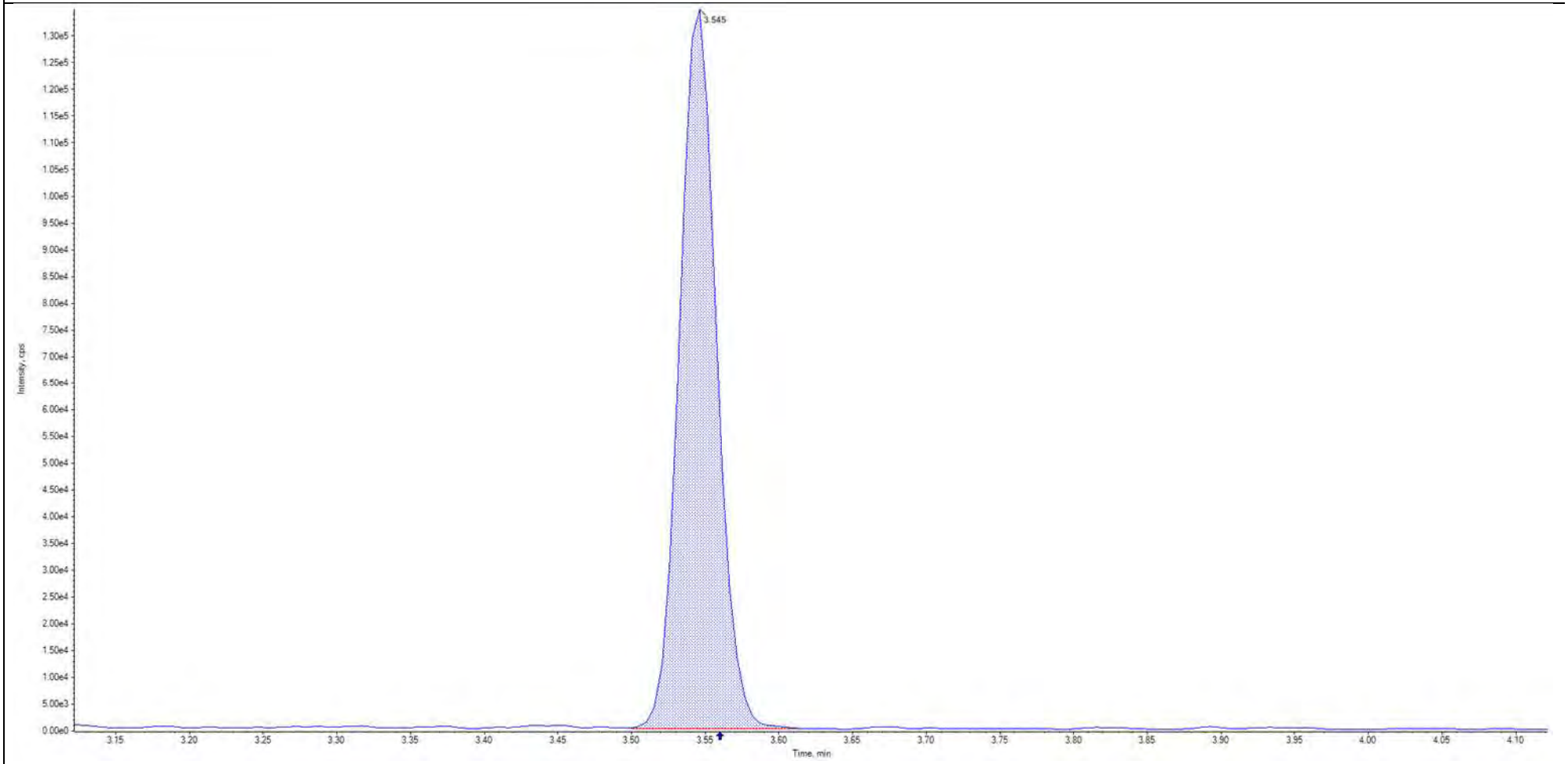
13C2-4:2FTS
Sample: L2467934-01



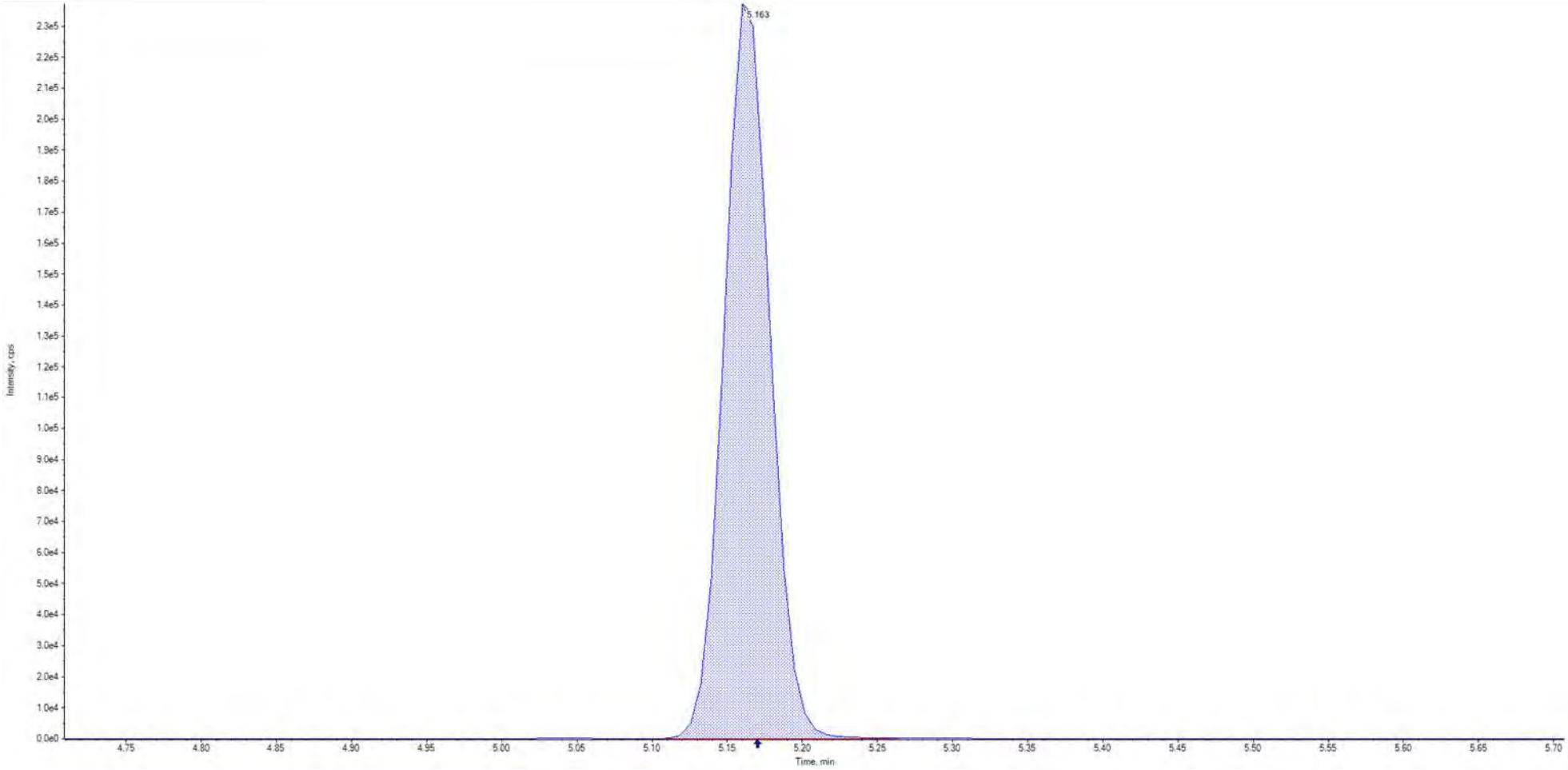
13C2-6:2FTS
Sample: L2467934-01



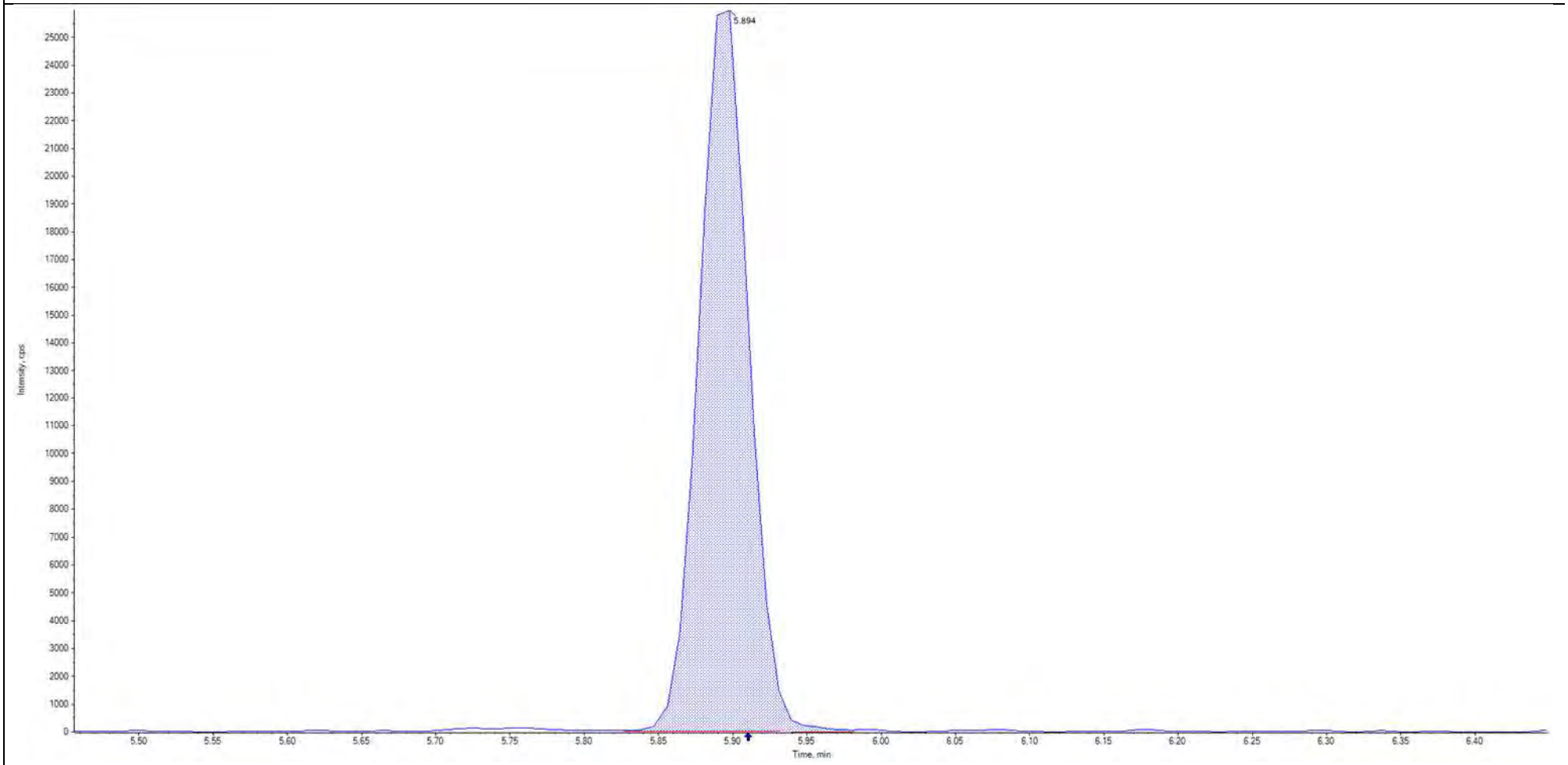
13C2-8:2FTS
Sample: L2467934-01



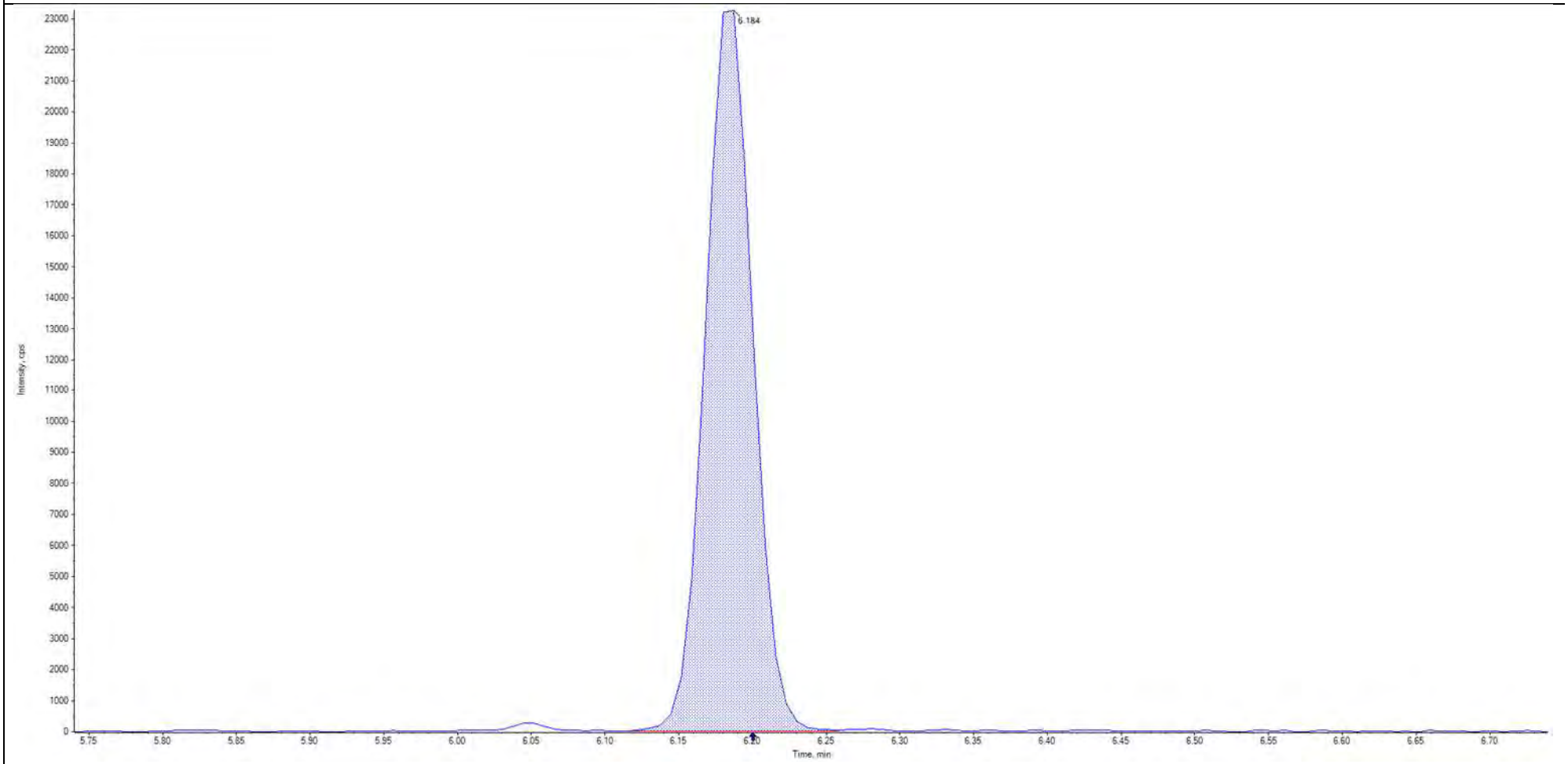
13C8-PFOSA
Sample: L2467934-01



d3-NMeFOSA
Sample: L2467934-01



d5-NEtFOSA
Sample: L2467934-01



d3-NMeFOSAA
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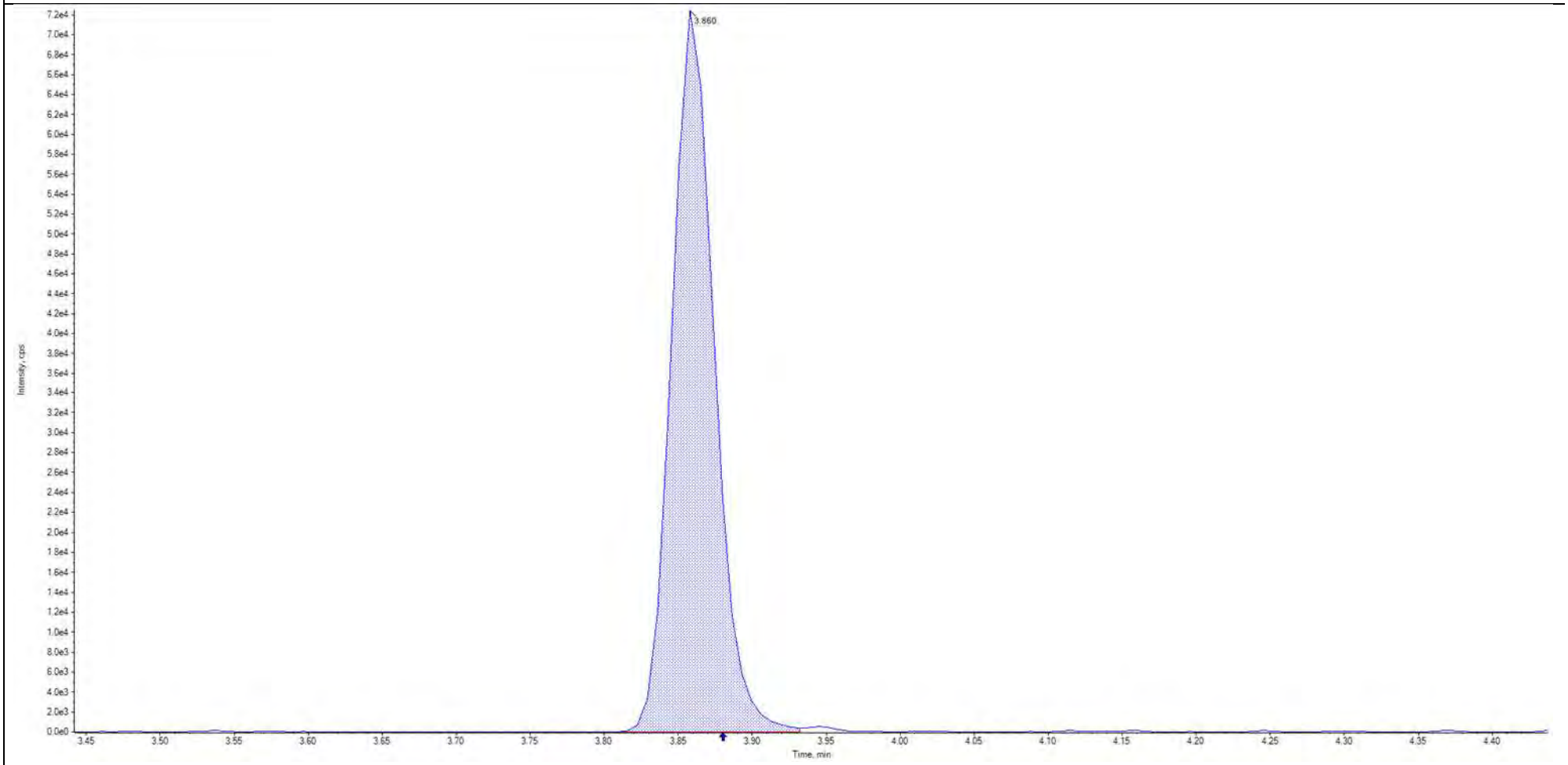

d5-NEtFOSAA
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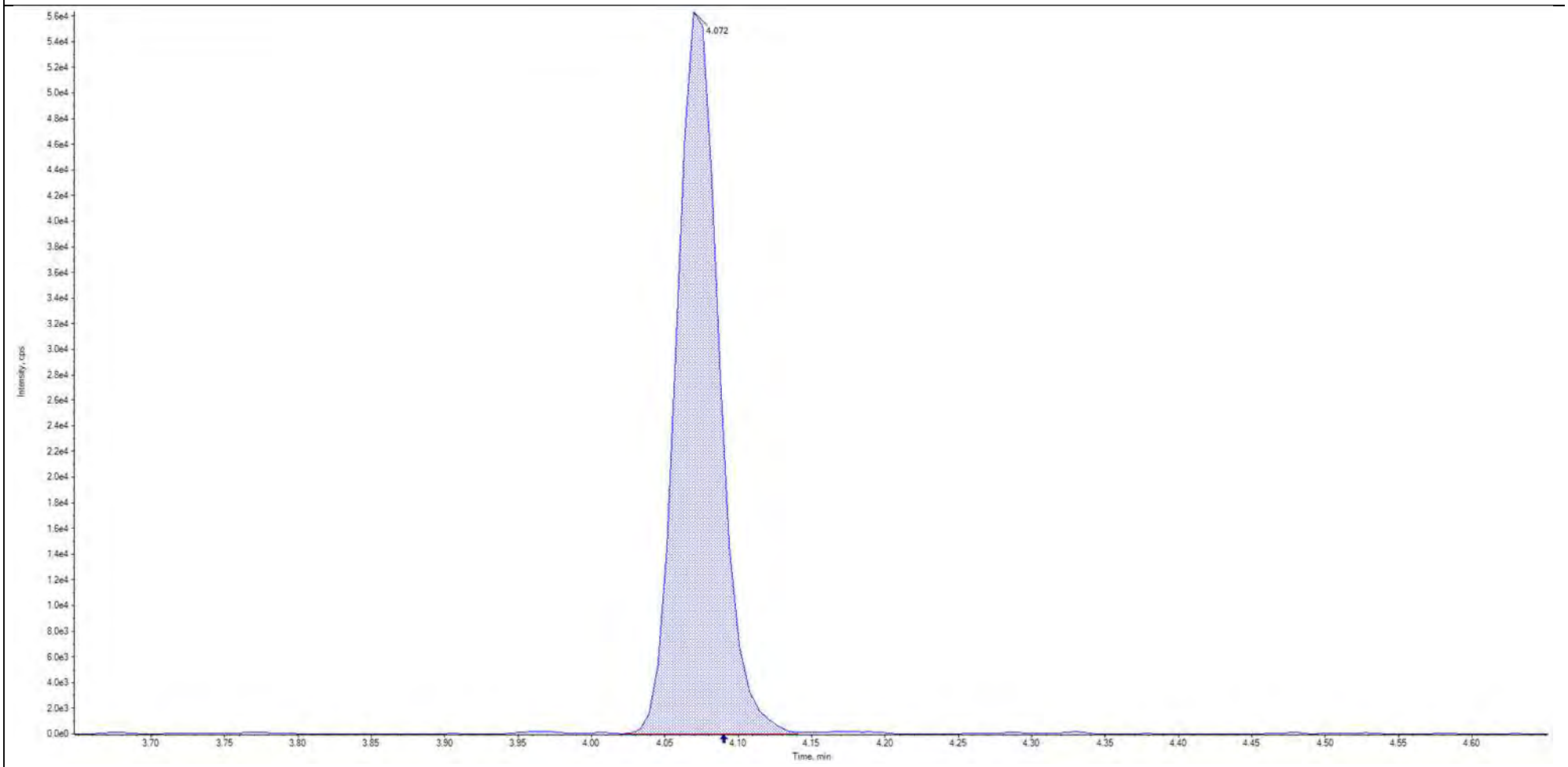
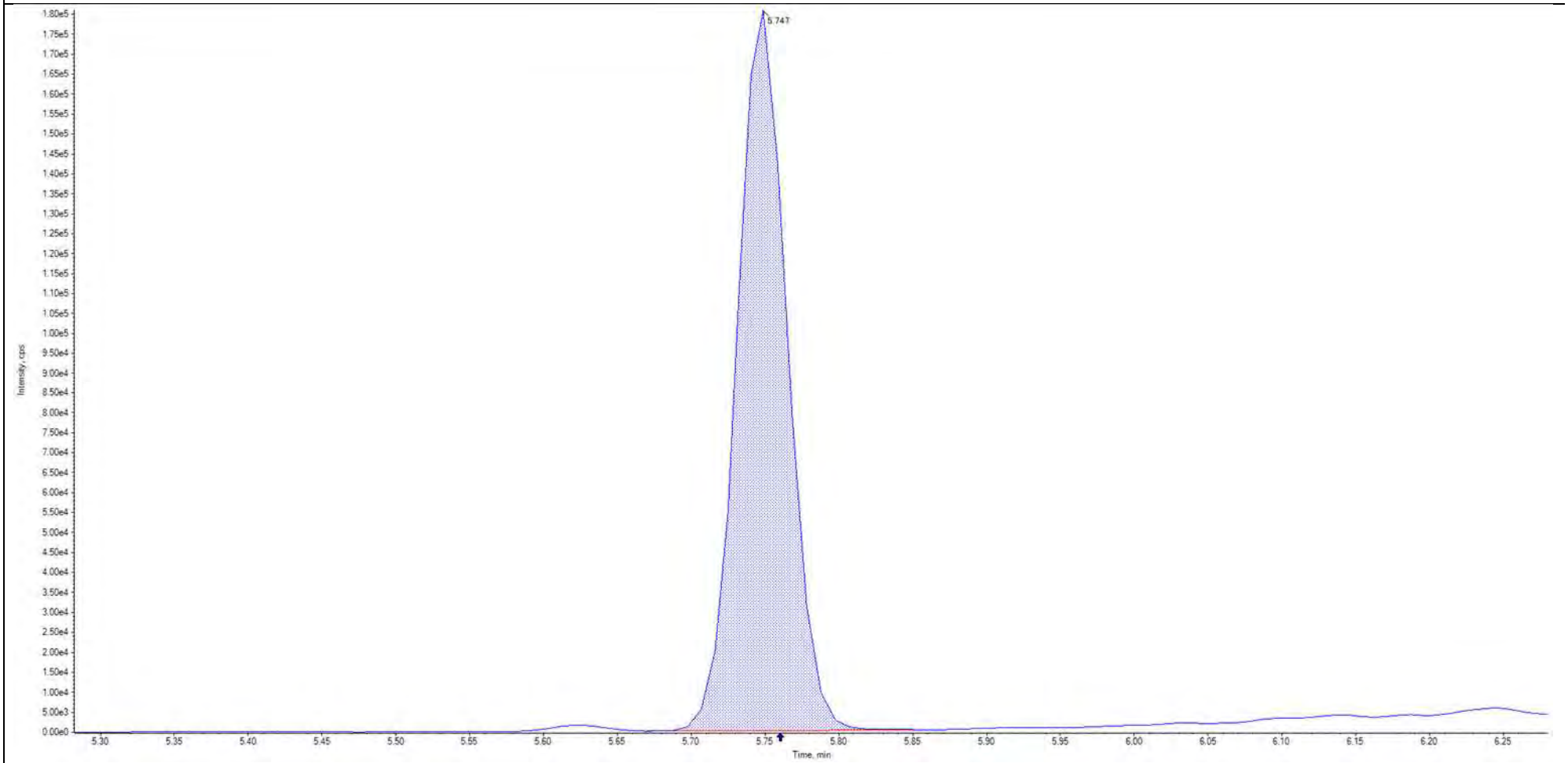


d7-NMeFOSE
Sample: L2467934-01



d9-NEtFOSE
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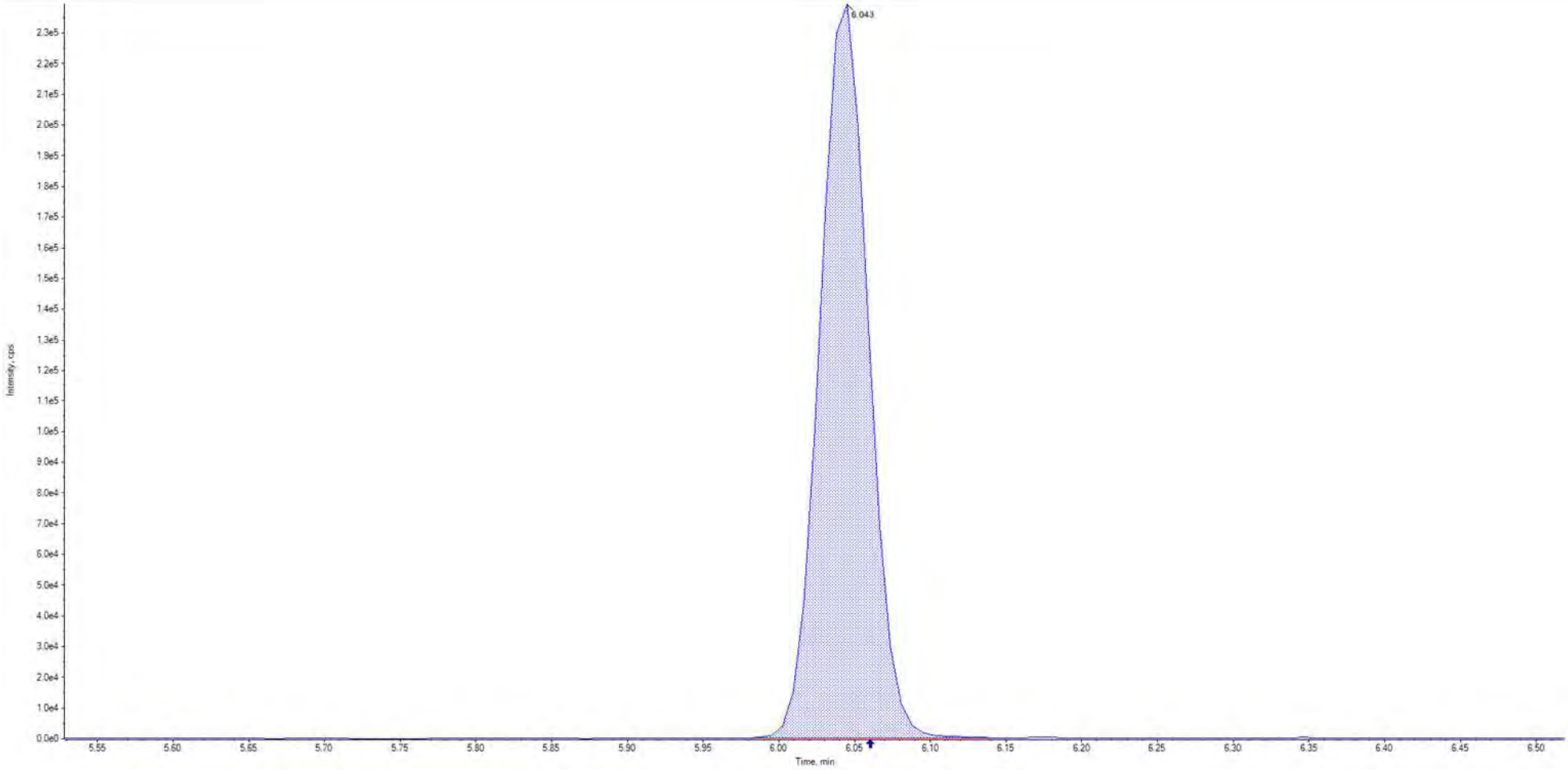
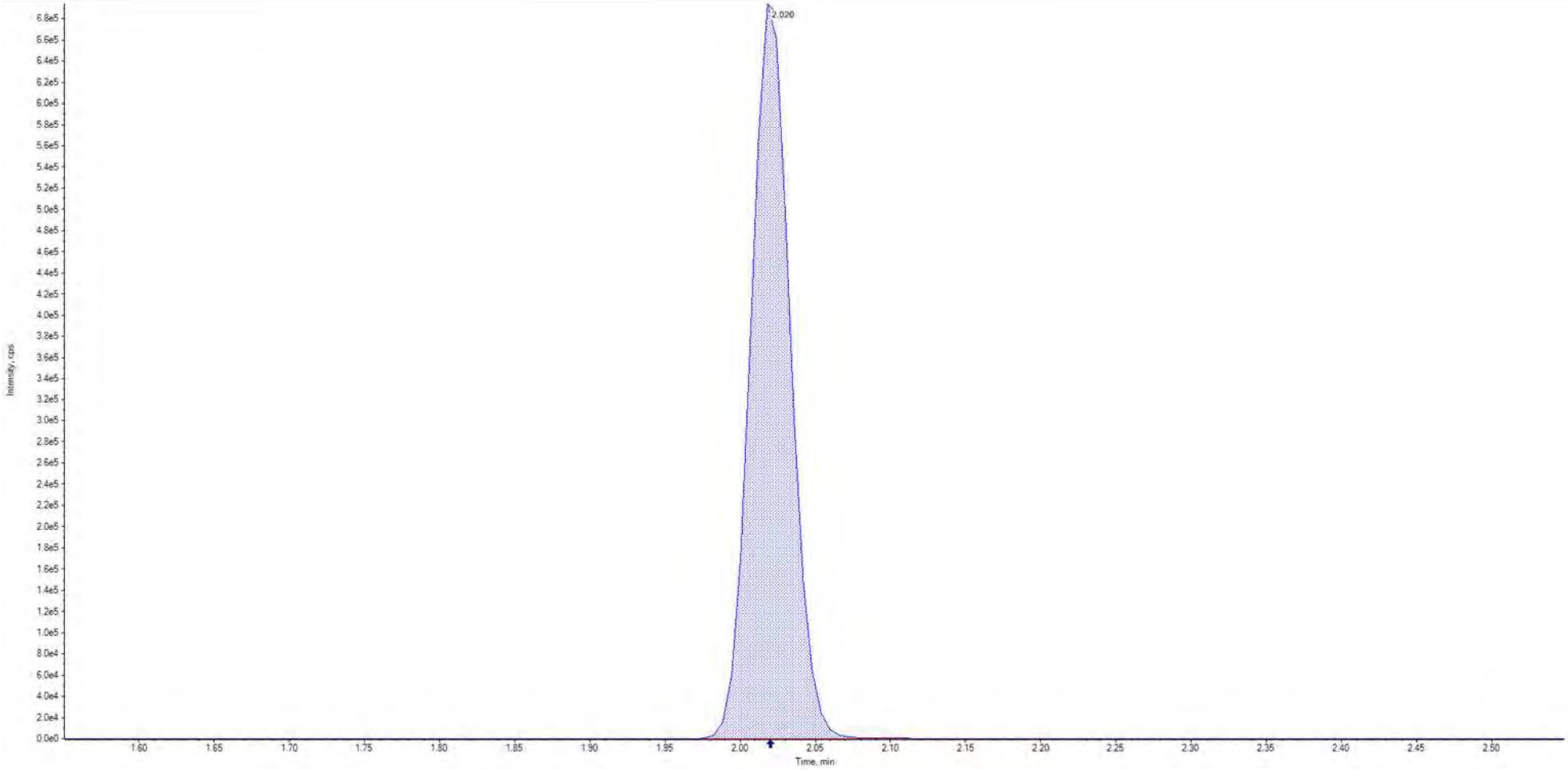


13C3-HFPO-DA
Sample: L2467934-01



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Alpha Analytical LLC
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13C3-PFBA
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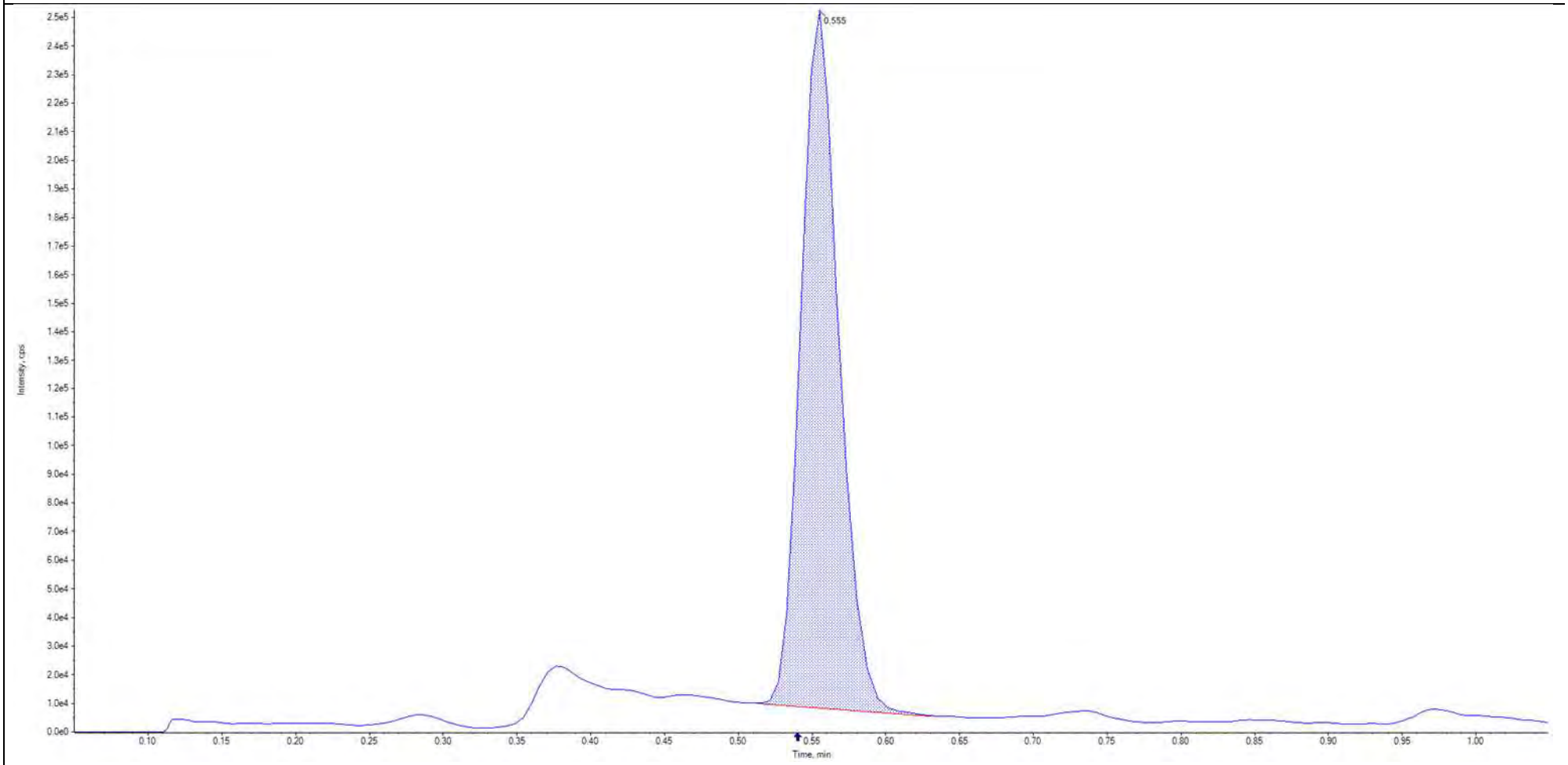

13C2-PFHxA
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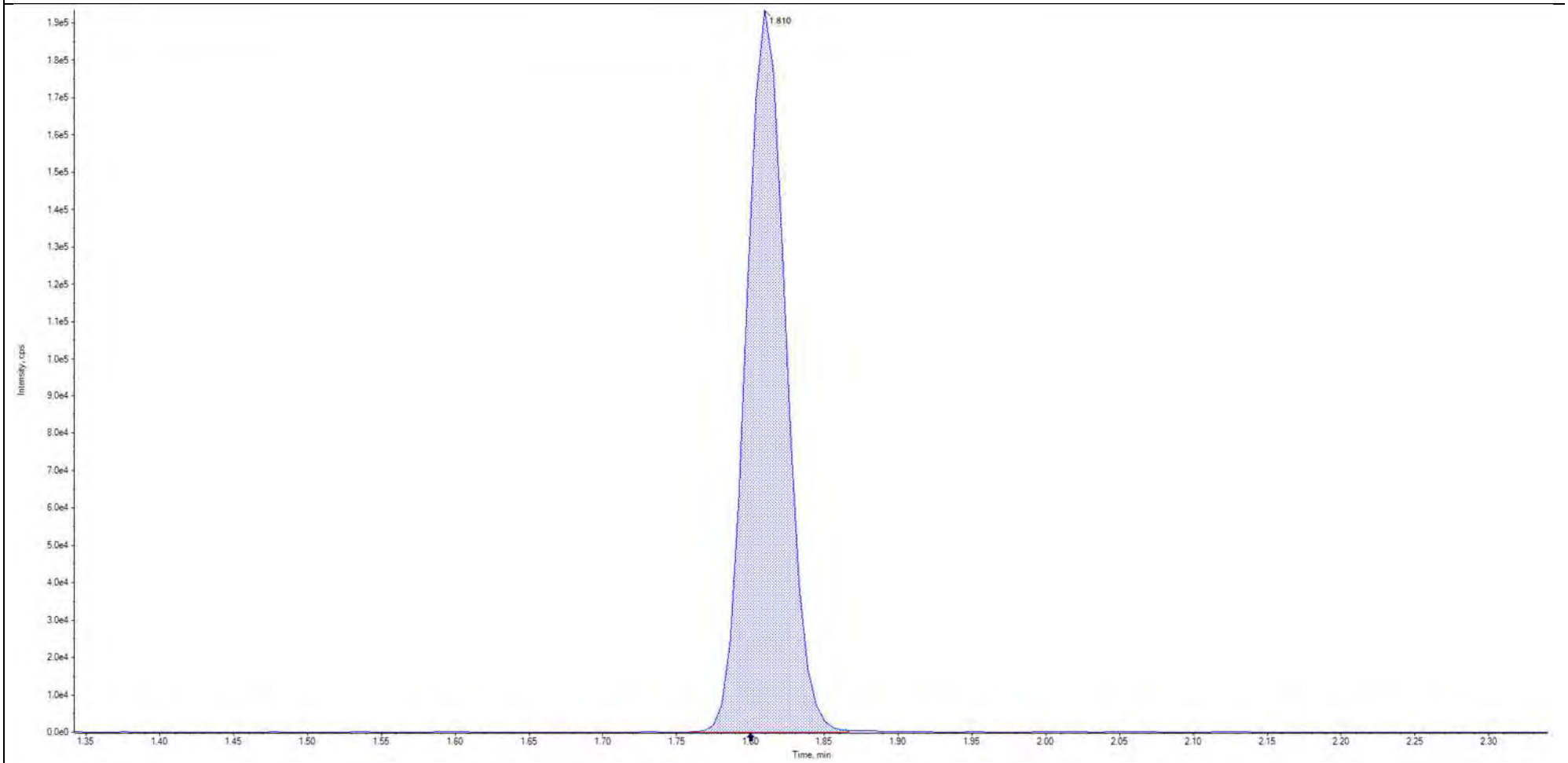

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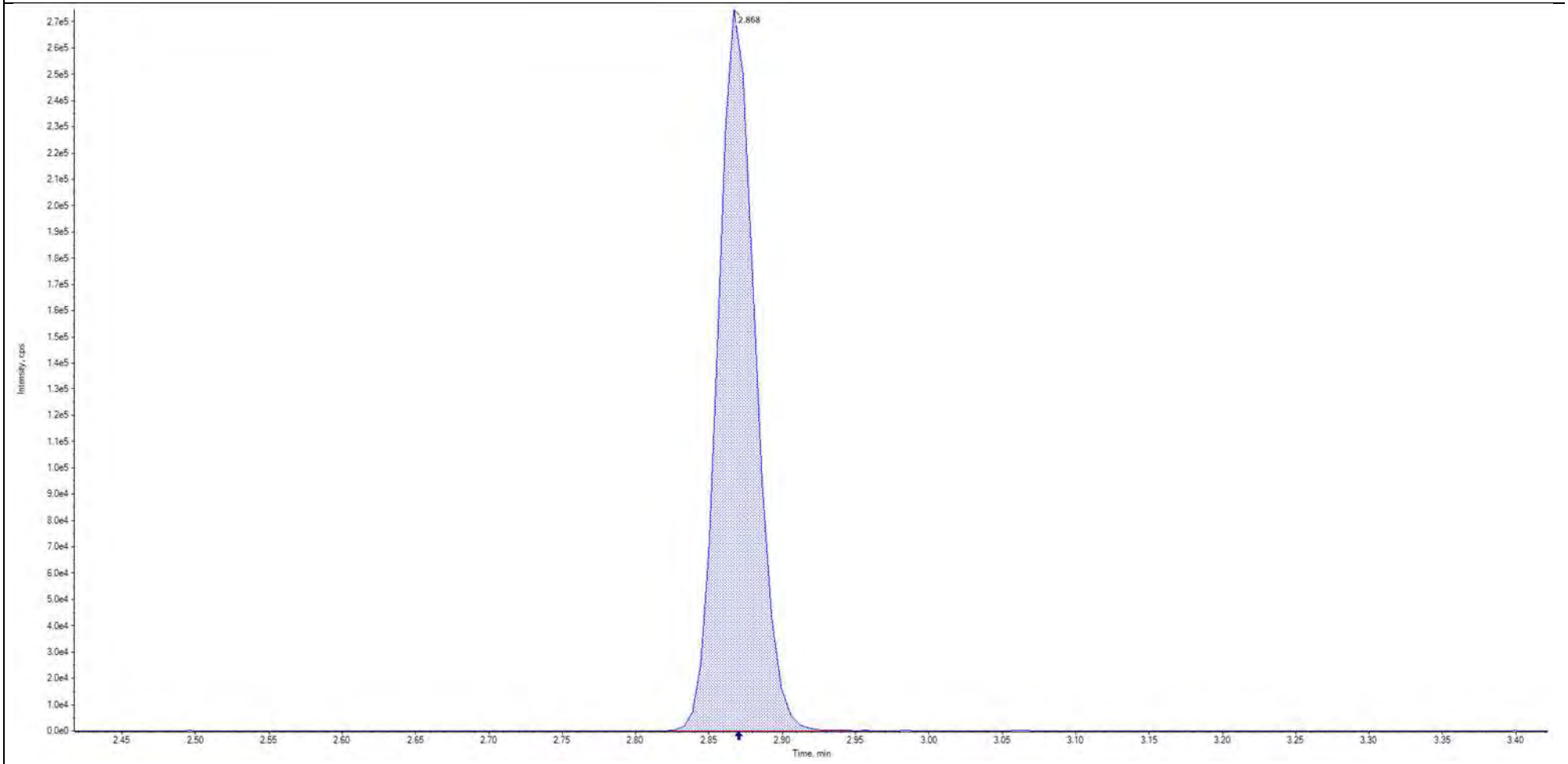

13C5-PFNA
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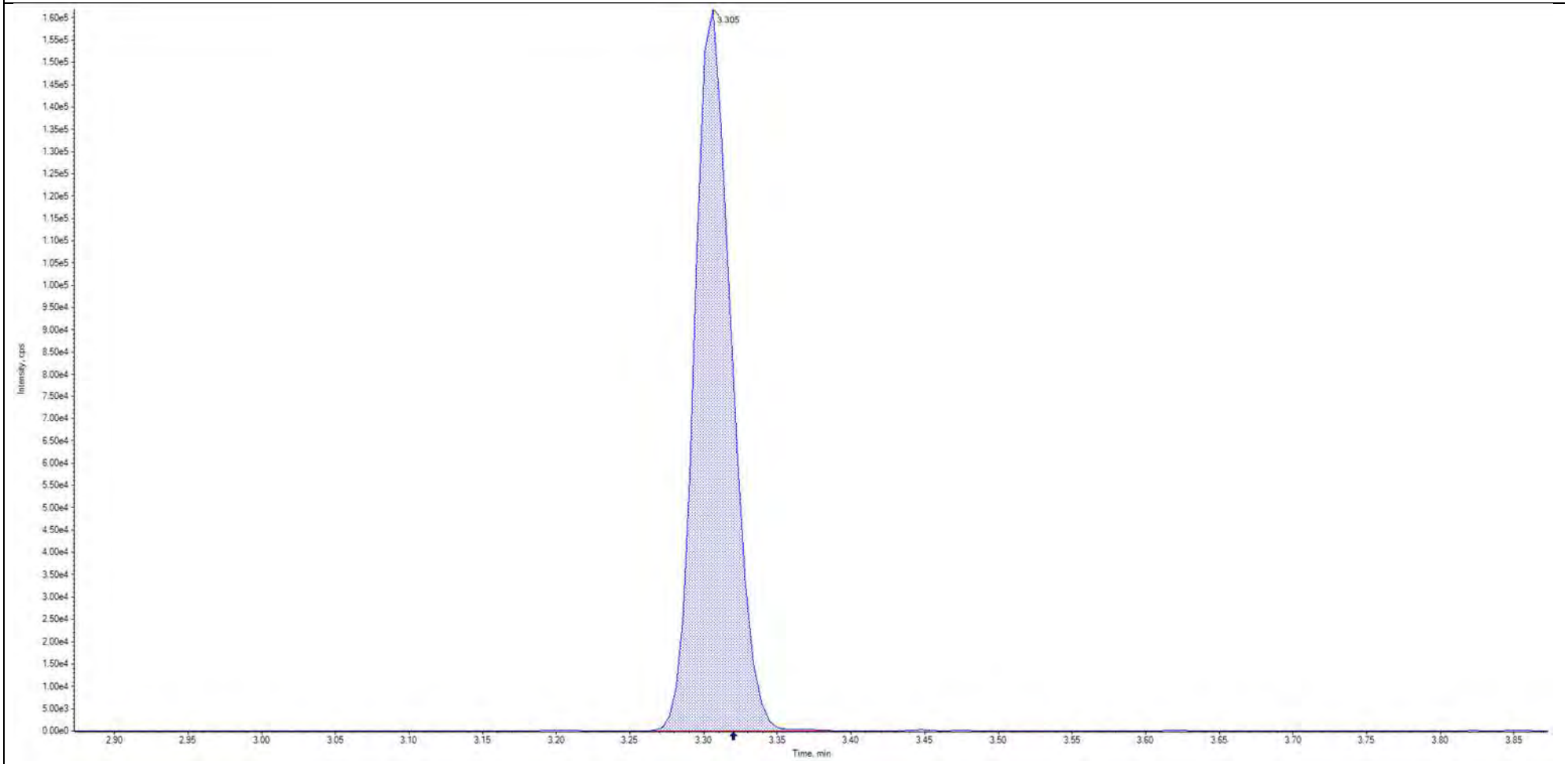

13C2-PFDA
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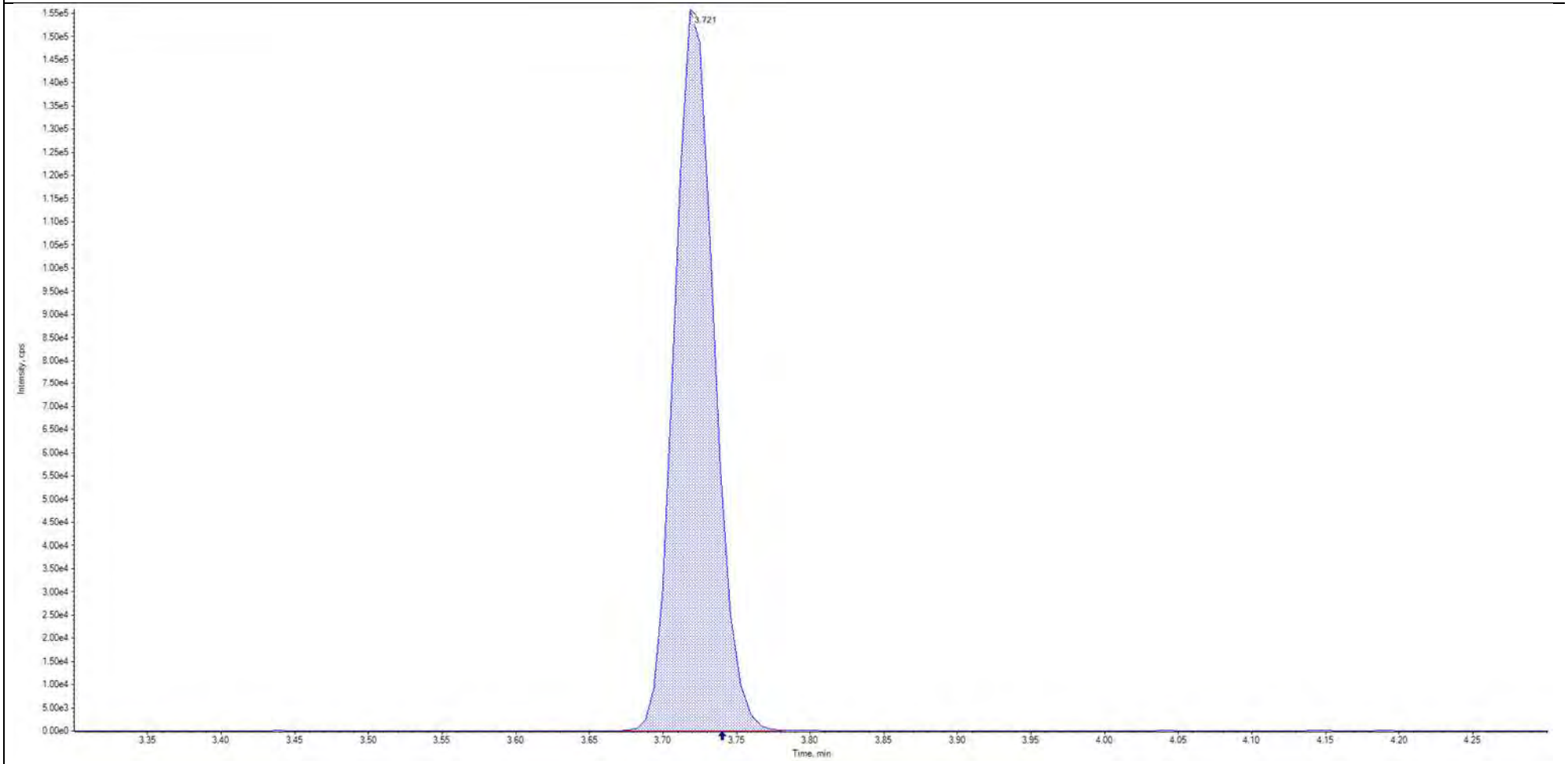
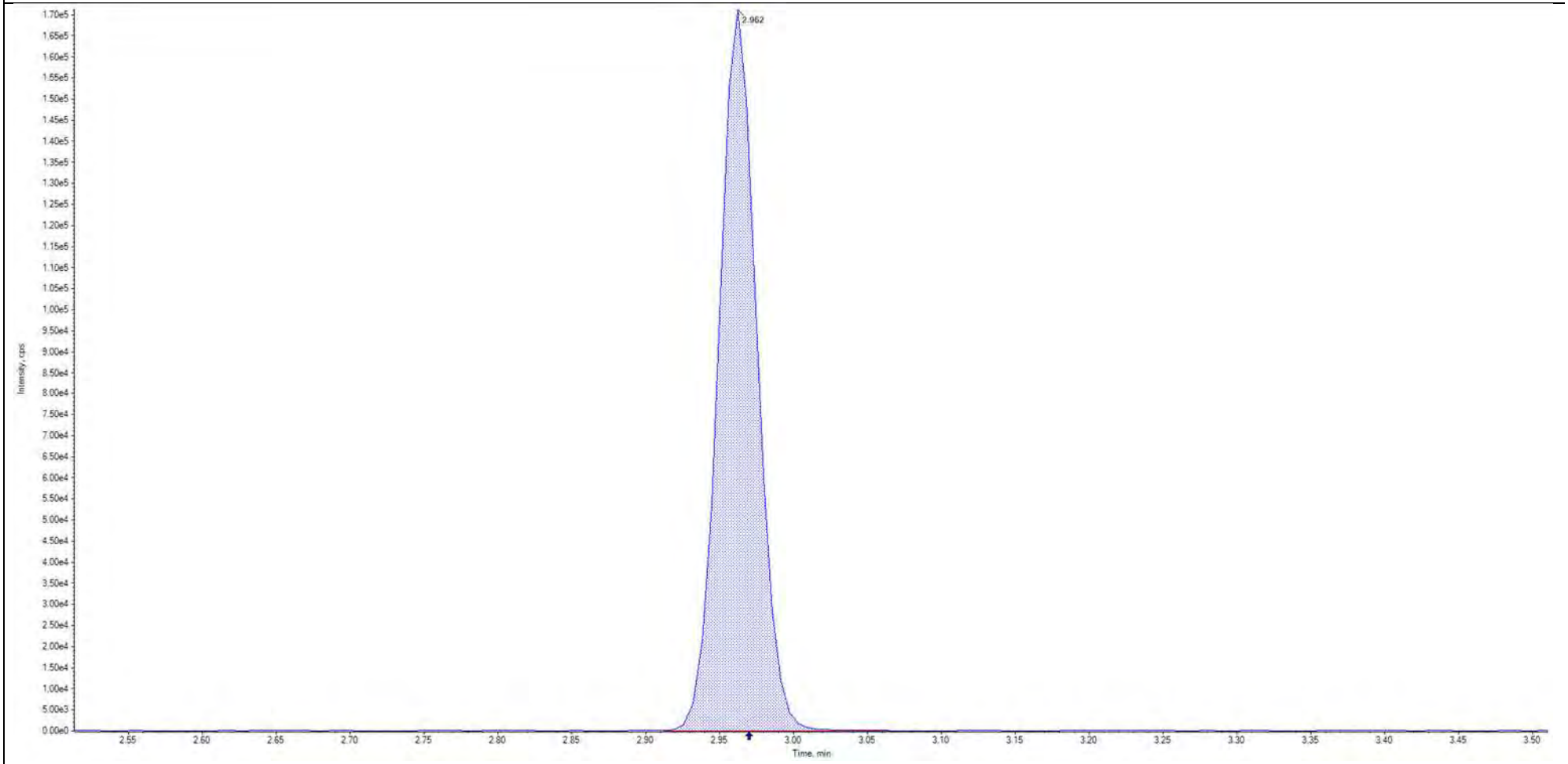


18O2-PFHxS
Sample: L2467934-01



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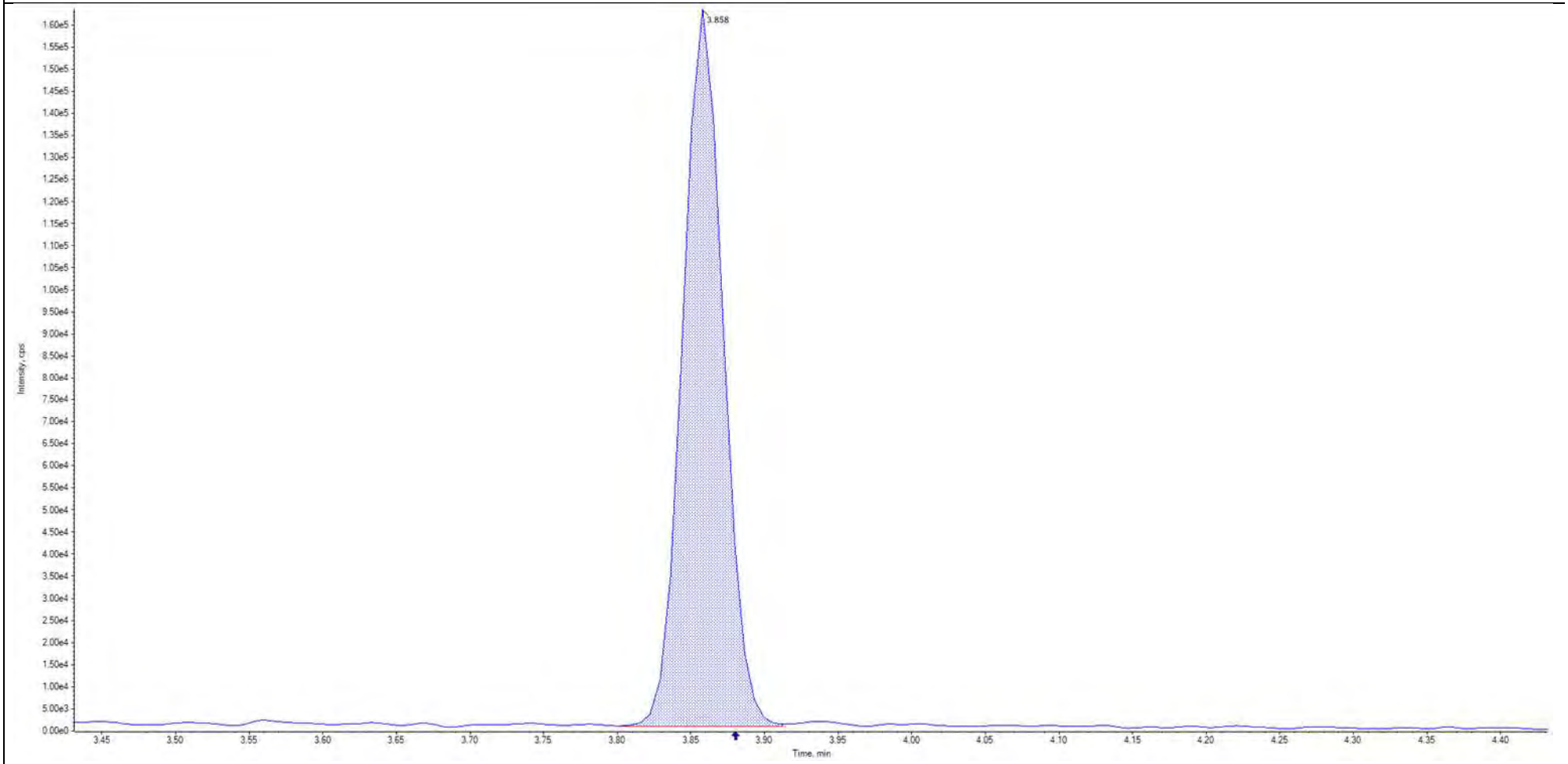
13C4-PFOS
Sample: L2467934-01



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Method: EPA1633F.qmethod
Calibration: 241112_1633_ICAL

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Description: WG2012688,WG2012727,ICAL21696
Instrument: SCIEX Triple Quad 5500+
User: LCMS09:JW

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.57	213.0 / 169.0	9947	M4	0.069	N/A	N/A	N/A	N/A
2	PFPeA	2706-90-3	1.09	263.0 / 219.0	4899		0.031	N/A	N/A	N/A	N/A
3	PFPeA_2	2706-90-3	N/A	263.0 / 68.9	N/A		N/A	N/A	N/A	N/A	N/A
4	PFHxA	307-24-4	1.84	313.0 / 269.0	9181		0.044	0.060	0.089	Pass	N/A
5	PFHxA_2	307-24-4	1.85	313.0 / 119.0	550	M2	0.029	0.060	0.089	Pass	N/A
6	PFHpA	375-85-9	N/A	363.1 / 319.0	N/A		N/A	N/A	0.384	N/A	N/A
7	PFHpA_2	375-85-9	N/A	363.1 / 169.0	N/A		N/A	N/A	0.384	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	2.89	413.1 / 369.1	39397	M5	0.160	0.352	0.410	Pass	N/A
9	PFOA_2	335-67-1	2.89	413.1 / 169.0	13881	M5	0.137	0.352	0.410	Pass	N/A
10	PFNA	375-95-1	N/A	462.8 / 418.9	N/A		N/A	N/A	0.341	N/A	N/A
11	PFNA_2	375-95-1	N/A	462.8 / 219.0	N/A		N/A	N/A	0.341	N/A	N/A
12	PFDA	335-76-2	N/A	513.1 / 469.1	N/A		N/A	N/A	0.215	N/A	N/A
13	PFDA_2	335-76-2	N/A	513.1 / 219.0	N/A		N/A	N/A	0.215	N/A	N/A
14	PFUnA	2058-94-8	N/A	563.1 / 519.1	N/A		N/A	N/A	0.151	N/A	N/A
15	PFUnA_2	2058-94-8	N/A	563.1 / 269.0	N/A		N/A	N/A	0.151	N/A	N/A
16	PFDoA	307-55-1	N/A	613.1 / 569.1	N/A		N/A	N/A	0.140	N/A	N/A
17	PFDoA_2	307-55-1	N/A	613.1 / 319.0	N/A		N/A	N/A	0.140	N/A	N/A
18	PFTrDA	72629-94-8	N/A	663.1 / 619.1	N/A		N/A	N/A	0.159	N/A	N/A
19	PFTrDA_2	72629-94-8	N/A	663.1 / 169.0	N/A		N/A	N/A	0.159	N/A	N/A
20	PFTeDA	376-06-7	N/A	713.1 / 669.1	N/A		N/A	N/A	0.159	N/A	N/A
21	PFTeDA_2	376-06-7	N/A	713.1 / 169.0	N/A		N/A	N/A	0.159	N/A	N/A
22	PFBS	375-73-5	N/A	299.1 / 80.1	N/A		N/A	N/A	0.398	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	N/A	299.1 / 99.1	N/A		N/A	N/A	0.398	N/A	N/A
24	PFPeS	2706-91-4	N/A	349.1 / 80.1	N/A		N/A	N/A	0.285	N/A	N/A
25	PFPeS_2	2706-91-4	N/A	349.1 / 99.1	N/A		N/A	N/A	0.285	N/A	N/A
26	PFHxS	355-46-4	2.98	399.1 / 80.1	19354	M5	0.096	0.237	0.293	Pass	N/A
27	PFHxS_2	355-46-4	2.99	399.1 / 99.1	4595	M5	0.079	0.237	0.293	Pass	N/A
28	PFHpS	375-92-8	N/A	449.1 / 80.1	N/A		N/A	N/A	0.308	N/A	N/A
29	PFHpS_2	375-92-8	N/A	449.1 / 99.1	N/A		N/A	N/A	0.308	N/A	N/A
30	PFOS	1763-23-1	3.88	499.1 / 80.1	31910	M5	0.178	0.179	0.241	Pass	N/A
31	PFOS_2	1763-23-1	3.88	499.1 / 99.1	5727	M5	0.132	0.179	0.241	Pass	N/A
32	PFNS	68259-12-1	N/A	549.1 / 80.1	N/A		N/A	N/A	0.299	N/A	N/A
33	PFNS_2	68259-12-1	N/A	549.1 / 99.1	N/A		N/A	N/A	0.299	N/A	N/A
34	PFDS	335-77-3	N/A	599.1 / 80.1	N/A		N/A	N/A	0.274	N/A	N/A
35	PFDS_2	335-77-3	N/A	599.1 / 99.1	N/A		N/A	N/A	0.274	N/A	N/A
36	PFDoS	79780-39-5	N/A	699.2 / 80.1	N/A		N/A	N/A	0.247	N/A	N/A
37	PFDoS_2	79780-39-5	N/A	699.2 / 99.1	N/A		N/A	N/A	0.247	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	N/A	327.1 / 307.1	N/A		N/A	N/A	0.634	N/A	N/A
39	4:2FTS_2	757124-72-4	N/A	327.1 / 81.1	N/A		N/A	N/A	0.634	N/A	N/A
40	6:2FTS	27619-97-2	N/A	427.2 / 407.2	N/A		N/A	N/A	0.609	N/A	N/A
41	6:2FTS_2	27619-97-2	N/A	427.2 / 81.1	N/A		N/A	N/A	0.609	N/A	N/A
42	8:2FTS	39108-34-4	N/A	527.2 / 507.2	N/A		N/A	N/A	0.681	N/A	N/A
43	8:2FTS_2	39108-34-4	N/A	527.2 / 81.1	N/A		N/A	N/A	0.681	N/A	N/A
44	PFOSA	754-91-6	N/A	498.1 / 78.1	N/A		N/A	N/A	0.024	N/A	N/A
45	PFOSA_2	754-91-6	N/A	498.1 / 478.0	N/A		N/A	N/A	0.024	N/A	N/A
46	NMeFOSA	31506-32-8	N/A	512.2 / 219.0	N/A		N/A	N/A	1.421	N/A	N/A
47	NMeFOSA_2	31506-32-8	N/A	512.2 / 169.0	N/A		N/A	N/A	1.421	N/A	N/A
48	NEtFOSA	4151-50-2	N/A	526.2 / 219.0	N/A		N/A	N/A	1.258	N/A	N/A
49	NEtFOSA_2	4151-50-2	N/A	526.2 / 169.0	N/A		N/A	N/A	1.258	N/A	N/A
50	NMeFOSAA	2355-31-9	N/A	570.2 / 419.1	N/A		N/A	N/A	0.683	N/A	N/A
51	NMeFOSAA_2	2355-31-9	N/A	570.2 / 483.0	N/A		N/A	N/A	0.683	N/A	N/A
52	NEtFOSAA	2991-50-6	N/A	584.2 / 419.1	N/A		N/A	N/A	0.571	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	N/A	584.2 / 526.2	N/A		N/A	N/A	0.571	N/A	N/A
54	NMeFOSE	24448-09-7	N/A	616.1 / 58.9	N/A		N/A	N/A	N/A	N/A	N/A
55	NEtFOSE	1691-99-2	N/A	630.0 / 58.9	N/A		N/A	N/A	N/A	N/A	N/A
56	HFPO-DA	13252-13-6	N/A	285.0 / 169.0	N/A		N/A	N/A	0.510	N/A	N/A
57	HFPO-DA_2	13252-13-6	N/A	285.0 / 184.9	N/A		N/A	N/A	0.510	N/A	N/A
58	ADONA	919005-14-4	N/A	376.9 / 251.0	N/A		N/A	N/A	0.636	N/A	N/A
59	ADONA_2	919005-14-4	N/A	376.9 / 84.8	N/A		N/A	N/A	0.636	N/A	N/A
60	9Cl-PF3ONS	756426-58-1	N/A	530.8 / 351.1	N/A		N/A	N/A	0.326	N/A	N/A
61	9Cl-PF3ONS_2	756426-58-1	N/A	532.8 / 353.0	N/A		N/A	N/A	0.326	N/A	N/A
62	11Cl-PF3OUdS	763051-92-9	N/A	630.9 / 451.0	N/A		N/A	N/A	0.318	N/A	N/A
63	11Cl-PF3OUdS_2	763051-92-9	N/A	632.9 / 452.9	N/A		N/A	N/A	0.318	N/A	N/A
64	3:3FTCA	356-02-5	N/A	241.1 / 177.1	N/A		N/A	N/A	1.068	N/A	N/A
65	3:3FTCA_2	356-02-5	N/A	241.1 / 117.0	N/A		N/A	N/A	1.068	N/A	N/A
66	5:3FTCA	914637-49-3	N/A	341.1 / 237.1	N/A		N/A	N/A	1.045	N/A	N/A
67	5:3FTCA_2	914637-49-3	N/A	341.1 / 217.0	N/A		N/A	N/A	1.045	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	N/A	441.1 / 316.9	N/A		N/A	N/A	1.285	N/A	N/A
69	7:3FTCA_2	812-70-4	N/A	441.1 / 337.1	N/A		N/A	N/A	1.285	N/A	N/A
70	PFEESA	113507-82-7	N/A	315.1 / 135.0	N/A		N/A	N/A	0.081	N/A	N/A
71	PFEESA_2	113507-82-7	N/A	315.1 / 82.9	N/A		N/A	N/A	0.081	N/A	N/A
72	PFMPA	377-73-1	N/A	229.0 / 85.0	N/A		N/A	N/A	N/A	N/A	N/A
73	PFMBA	863090-89-5	N/A	279.0 / 85.0	N/A		N/A	N/A	N/A	N/A	N/A
74	NFDHA	151772-58-6	N/A	295.0 / 201.0	N/A		N/A	N/A	0.681	N/A	N/A
75	NFDHA_2	151772-58-6	N/A	295.0 / 84.9	N/A		N/A	N/A	0.681	N/A	N/A
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	5.357	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	5.357	N/A	N/A
78	13C2D4-4:2FTS	Surr	N/A	333.2 / 312.1	N/A		N/A	N/A	N/A	N/A	N/A
79	13C2-PFOA	Surr	N/A	415.0 / 370.0	N/A		N/A	N/A	N/A	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.57	217.0 / 172.0	1699402		9.519	NA	NA	NA	95.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.09	268.0 / 223.0	913206		5.125	NA	NA	NA	102.5
	13C5-PFHxA	EIS	1.83	318.0 / 273.0	452931		2.409	NA	NA	NA	96.4
	13C4-PFHpA	EIS	2.41	367.0 / 322.0	459522		2.929	NA	NA	NA	117.2
	13C8-PFOA	EIS	2.89	420.8 / 376.0	763443		2.266	NA	NA	NA	90.6
	13C9-PFNA	EIS	3.32	472.0 / 427.0	313692		1.117	NA	NA	NA	89.4
	13C6-PFDA	EIS	3.74	519.0 / 474.0	323265		1.031	NA	NA	NA	82.5
	13C7-PFUnA	EIS	4.14	570.0 / 525.0	338824		0.974	NA	NA	NA	77.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.52	615.1 / 570.0	318816		0.858	NA	NA	NA	68.6
	13C2-PFTeDA	EIS	5.25	715.1 / 670.1	225816		0.818	NA	NA	NA	65.5
	13C3-PFBS	EIS	1.82	302.1 / 80.1	528101		2.272	NA	NA	NA	97.5
	13C3-PFHxS	EIS	2.98	402.1 / 80.1	464328		2.255	NA	NA	NA	95.1
	13C8-PFOS	EIS	3.88	507.1 / 80.1	407458		2.004	NA	NA	NA	83.5
	13C2-4:2FTS	EIS	1.63	329.1 / 81.1	149830		4.639	NA	NA	NA	98.9
	13C2-6:2FTS	EIS	2.71	429.2 / 81.1	133547		4.658	NA	NA	NA	97.9
	13C2-8:2FTS	EIS	3.56	529.2 / 81.1	101312		2.986	NA	NA	NA	62.2

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C8-PFOSA	EIS	5.18	506.1 / 78.1	642255		1.860	NA	NA	NA	74.4
d3-NMeFOSA	EIS	5.91	515.2 / 219.0	77939		1.379	NA	NA	NA	55.2
d5-NEtFOSA	EIS	6.20	531.2 / 219.0	79505		1.550	NA	NA	NA	62.0
d3-NMeFOSAA	EIS	3.88	573.2 / 419.1	120874		3.444	NA	NA	NA	68.9
d5-NEtFOSAA	EIS	4.09	589.3 / 419.1	100822		2.915	NA	NA	NA	58.3
d7-NMeFOSE	EIS	5.76	623.2 / 58.9	729887		19.934	NA	NA	NA	79.7
d9-NEtFOSE	EIS	6.06	639.2 / 58.9	1003461		20.366	NA	NA	NA	81.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.04	287.0 / 169.0	1912705		10.418	NA	NA	NA	104.2
	13C3-PFBA	NIS	0.57	216.0 / 172.0	778203		6.137	NA	NA	NA	122.7
	13C2-PFHxA	NIS	1.83	315.0 / 270.0	521589		3.502	NA	NA	NA	140.1
	13C4-PFOA	NIS	2.89	417.0 / 372.0	537150		3.726	NA	NA	NA	149.0
	13C5-PFNA	NIS	3.32	468.0 / 423.0	349561		1.712	NA	NA	NA	136.9
	13C2-PFDA	NIS	3.74	515.1 / 470.1	372046		1.764	NA	NA	NA	141.1
	18O2-PFHxS	NIS	2.98	403.1 / 84.1	430033		3.685	NA	NA	NA	155.5
	13C4-PFOS	NIS	3.88	503.1 / 80.1	404970		3.227	NA	NA	NA	134.5

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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Generated: 12/23/2024 2:36:12 PM

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec

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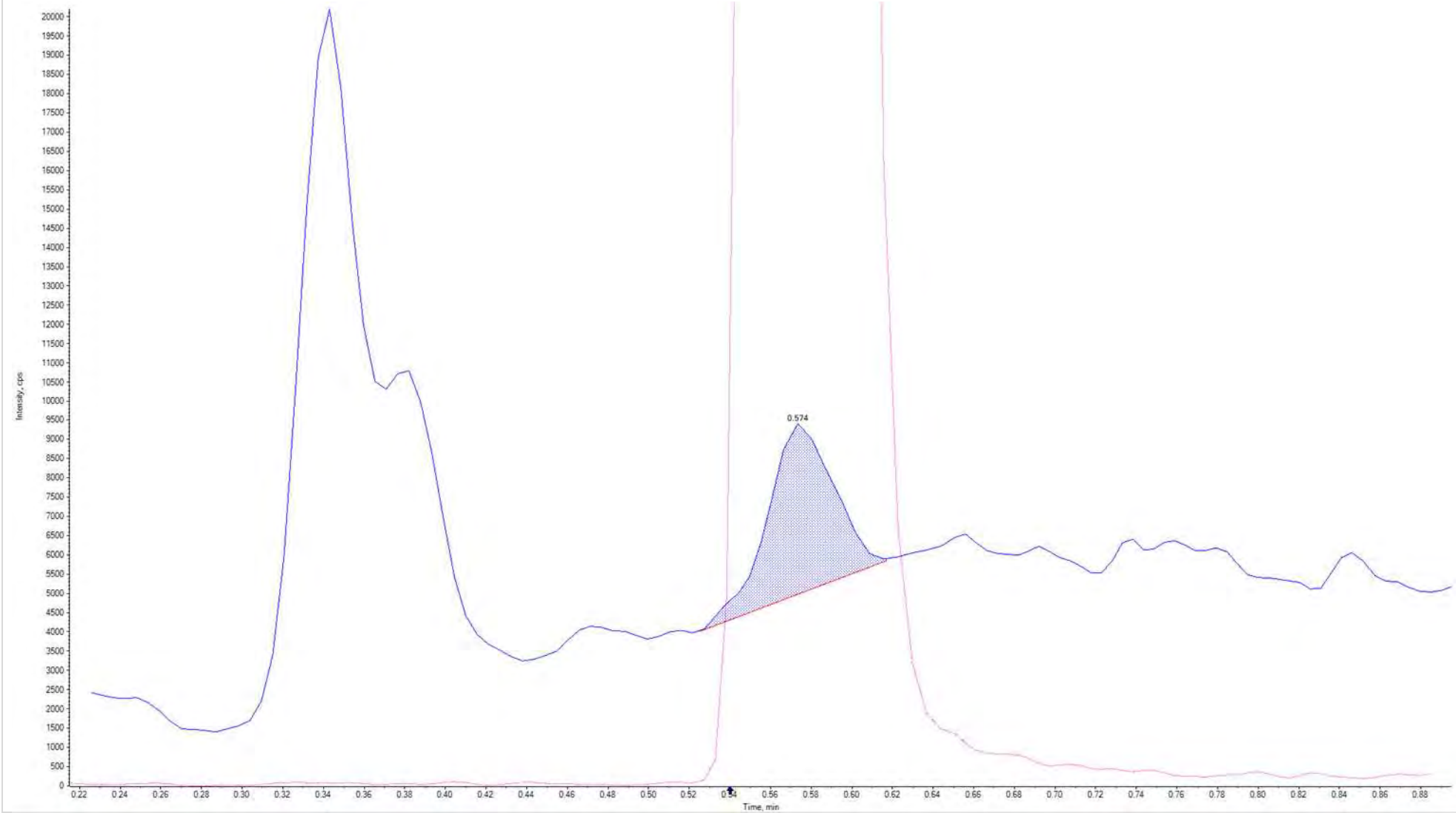
PFBA
Sample: L2467934-05 S/N:30.0 Points Across peak:17



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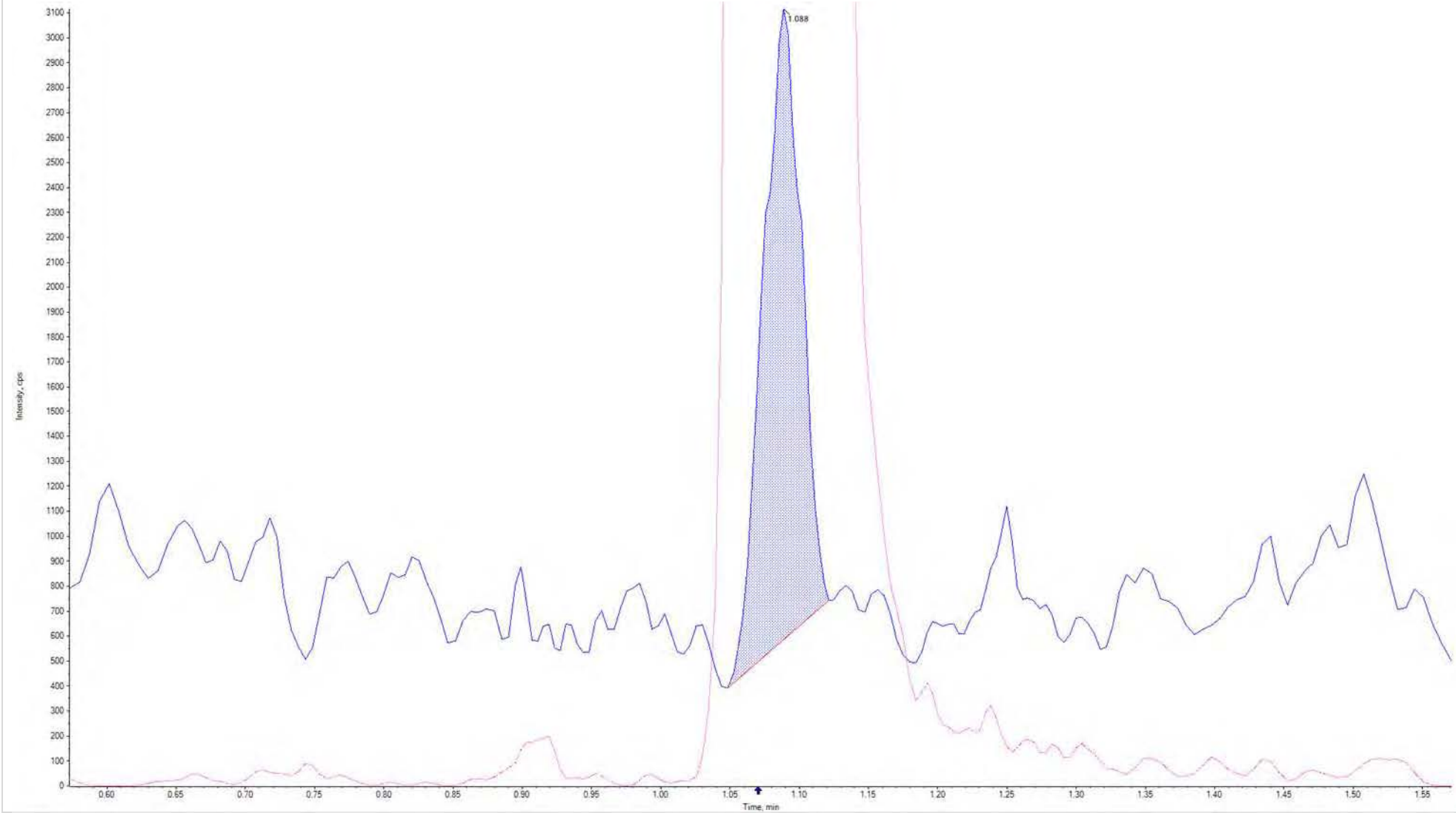
PFPeA
Sample: L2467934-05 S/N:55.8 Points Across peak:23



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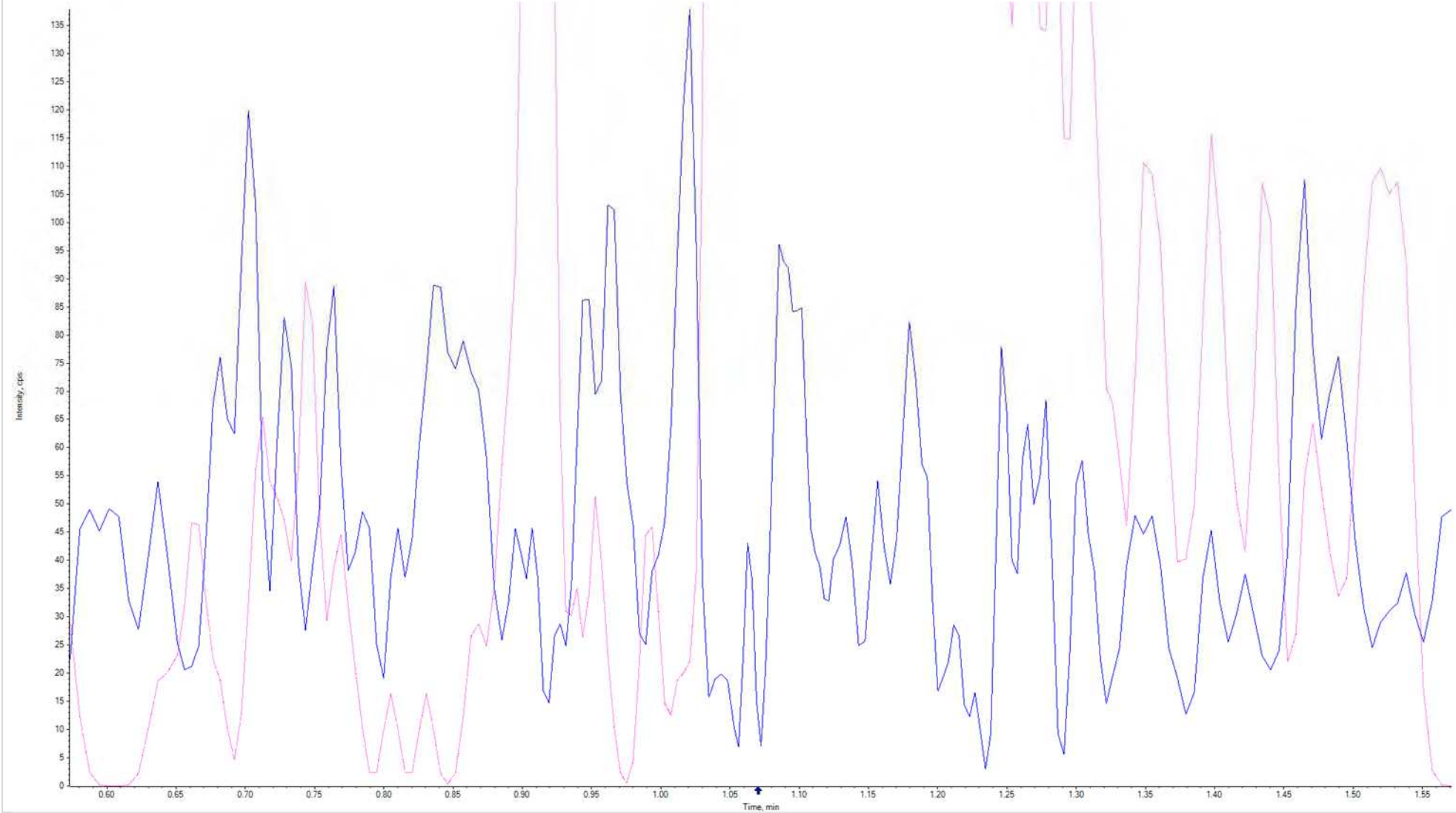
PFPeA_2
Sample: L2467934-05 S/N:N/A Points Across peak:N/A



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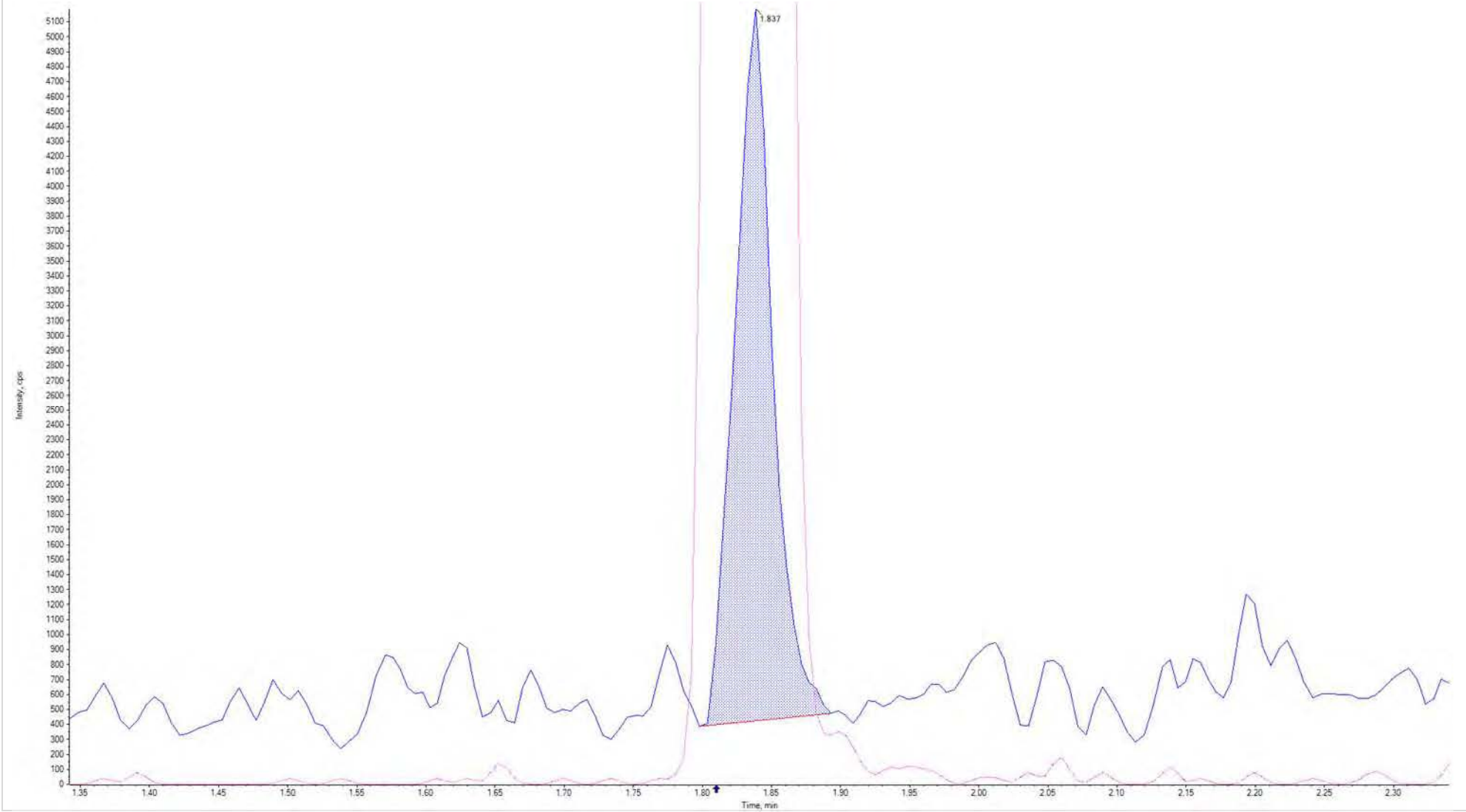
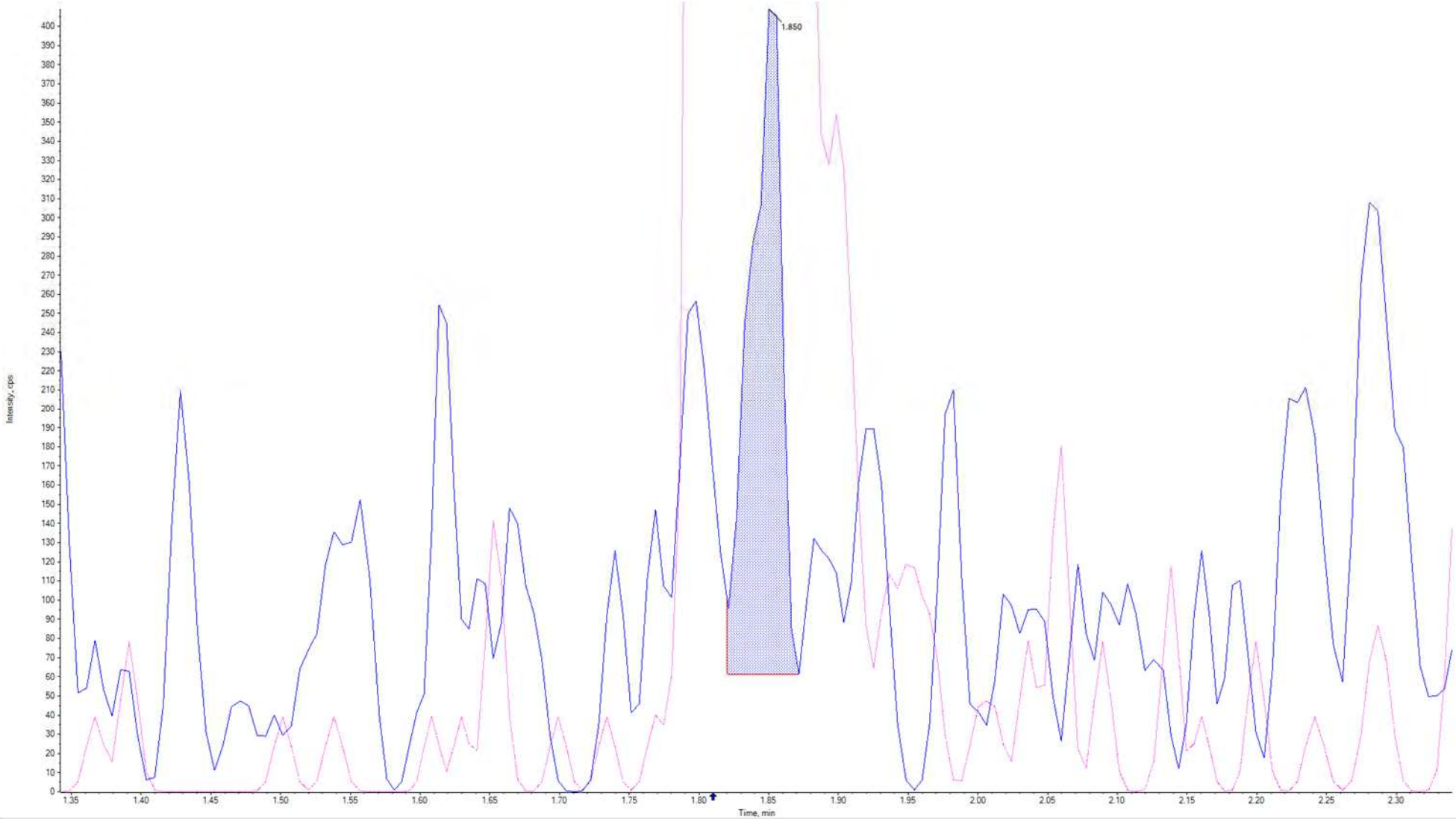
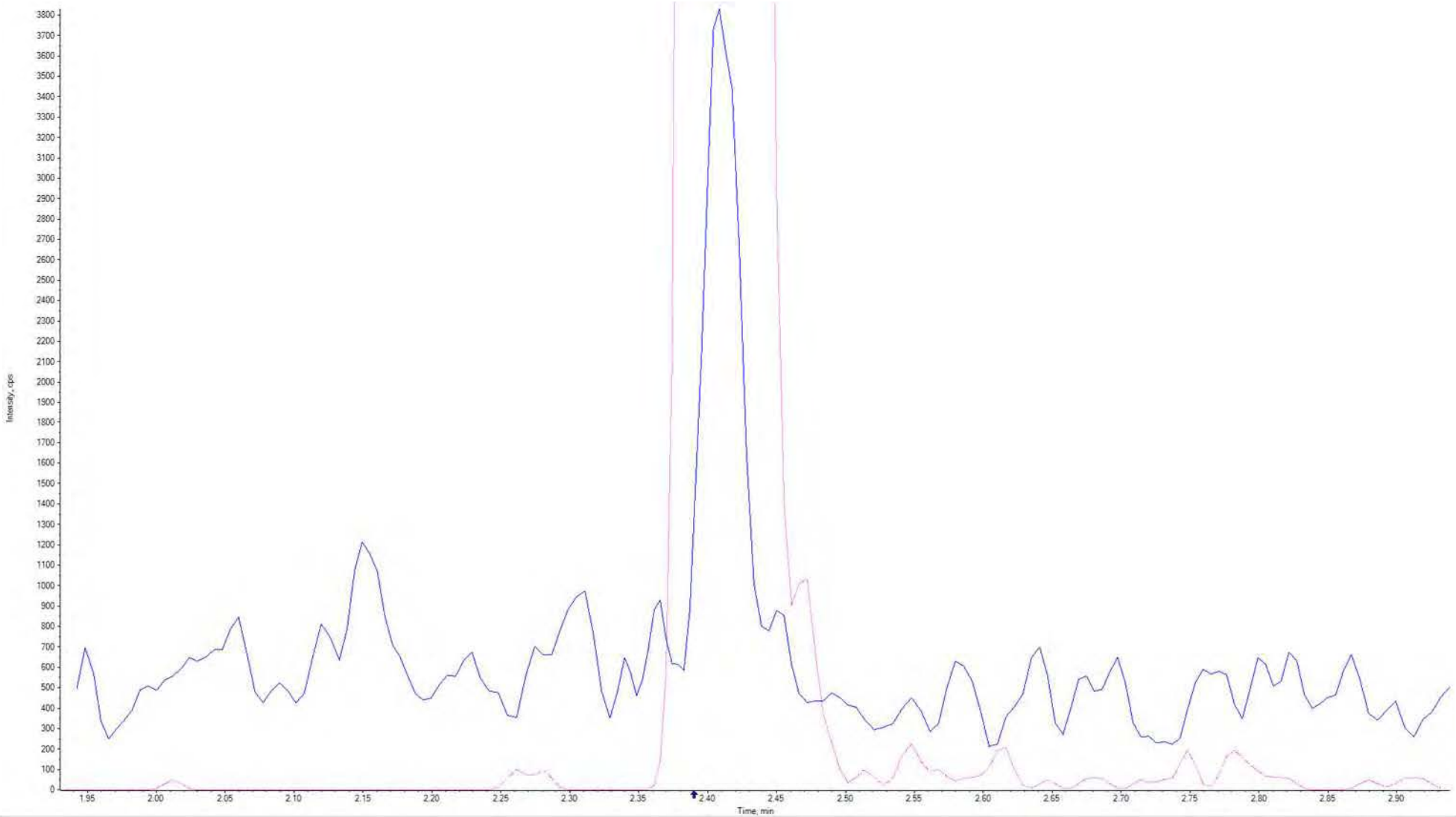
PFHxA
Sample: L2467934-05 S/N:74.1 Points Across peak:18



PFHxA_2
Sample: L2467934-05 S/N:8.7 Points Across peak:12



PFHpA
Sample: L2467934-05 S/N:N/A Points Across peak:N/A



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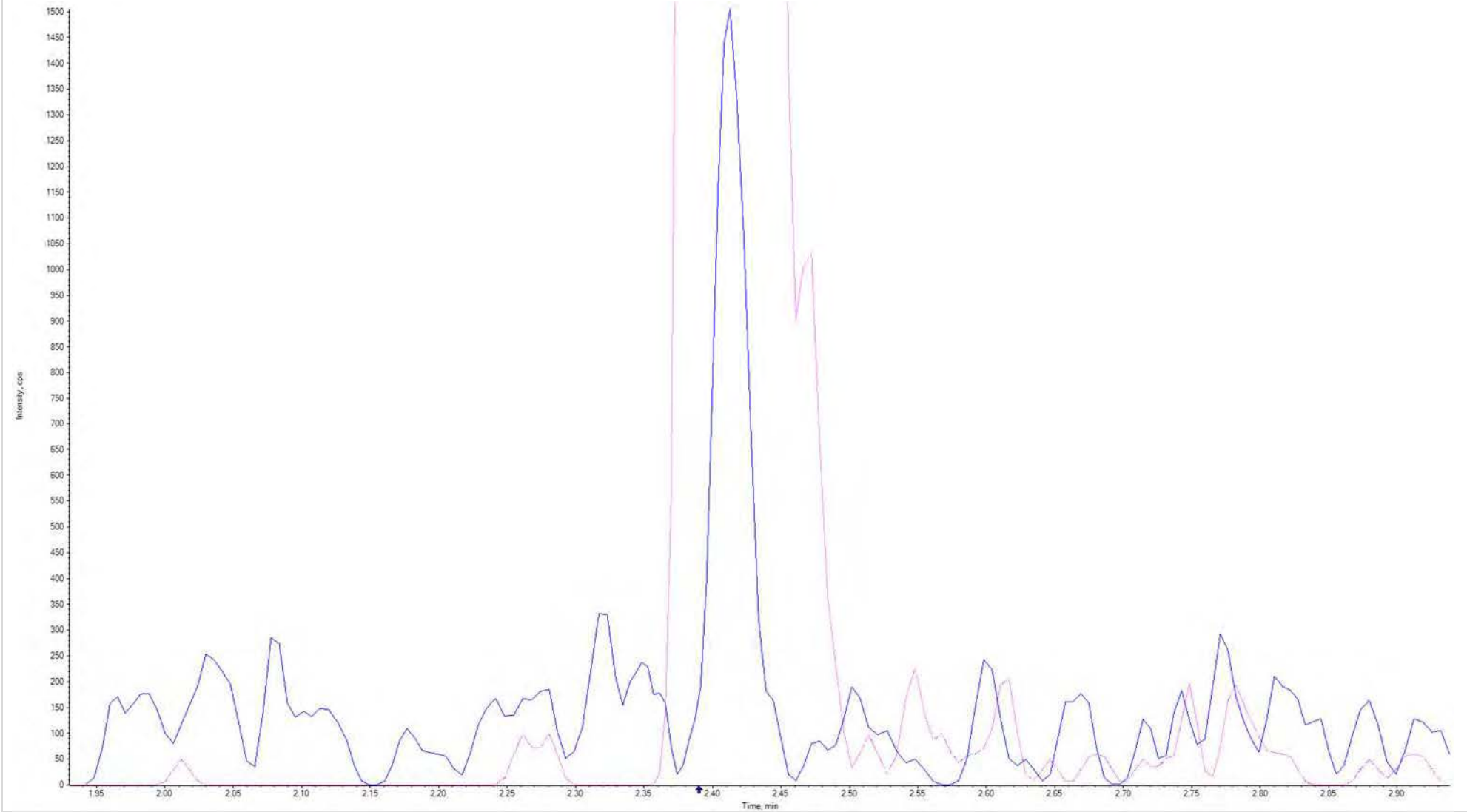
PFHpA_2
Sample: L2467934-05 S/N:N/A Points Across peak:N/A



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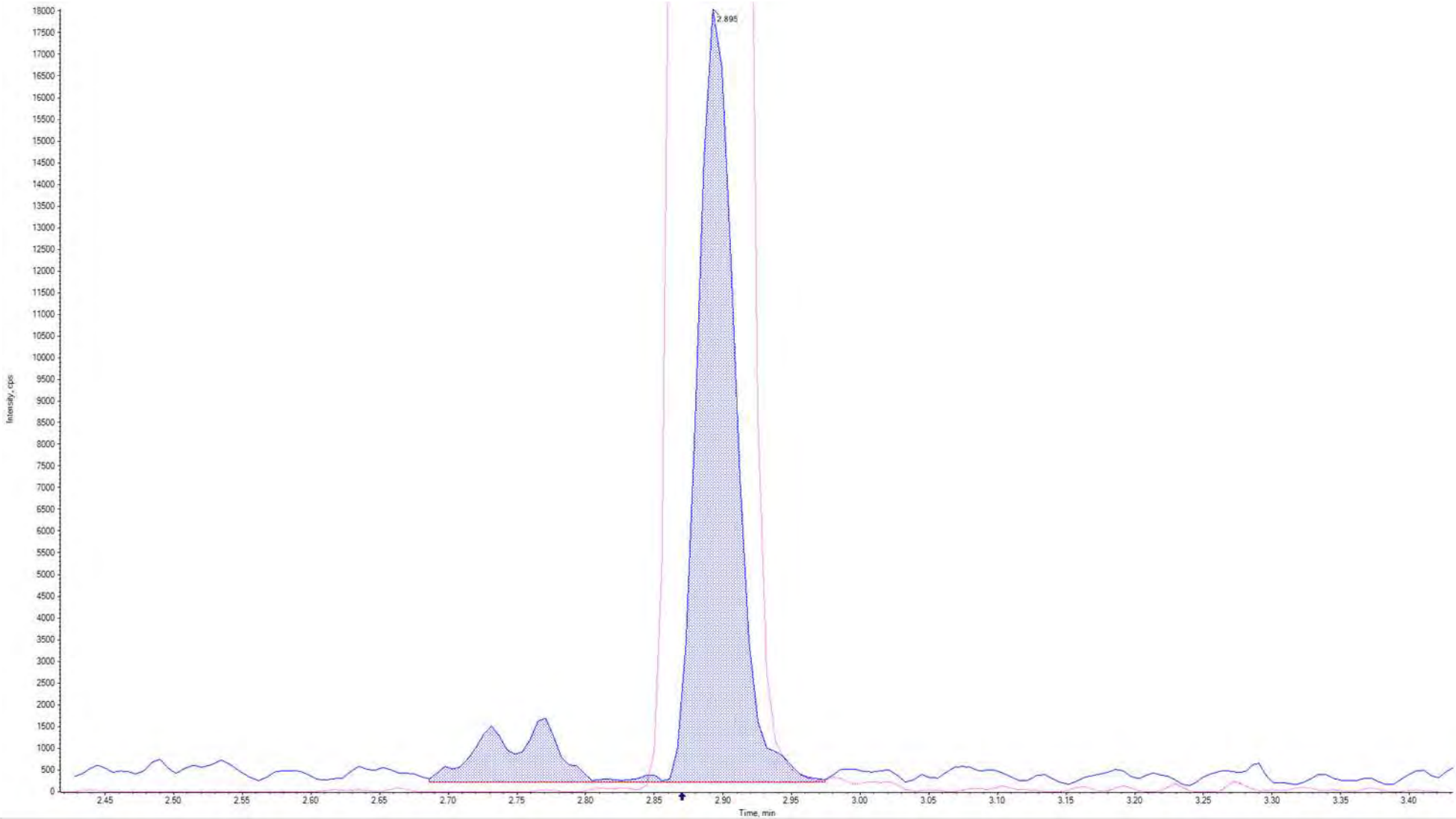
PFOA
Sample: L2467934-05 S/N:190.6 Points Across peak:51



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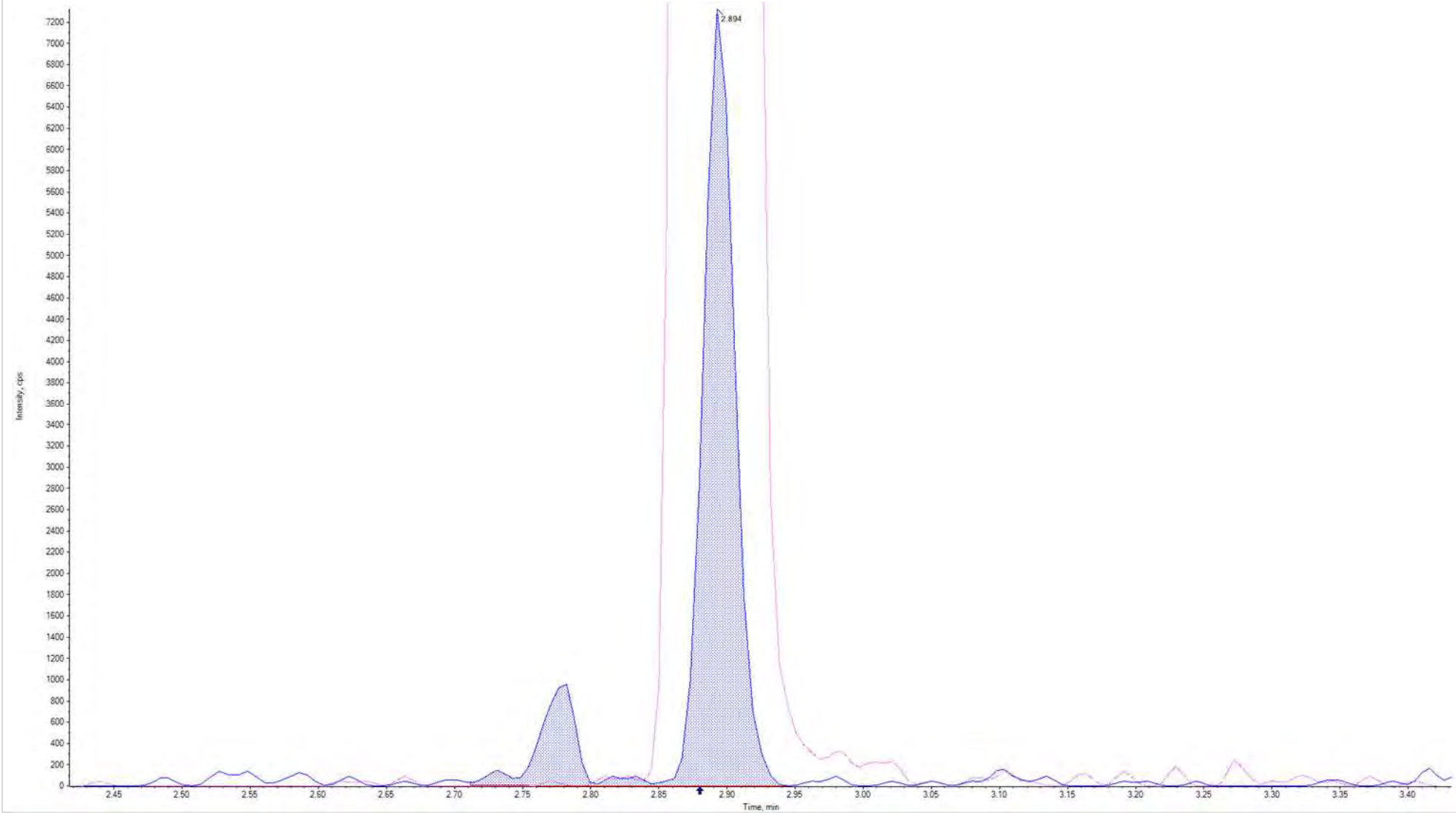
PFOA_2
Sample: L2467934-05 S/N:165.2 Points Across peak:41



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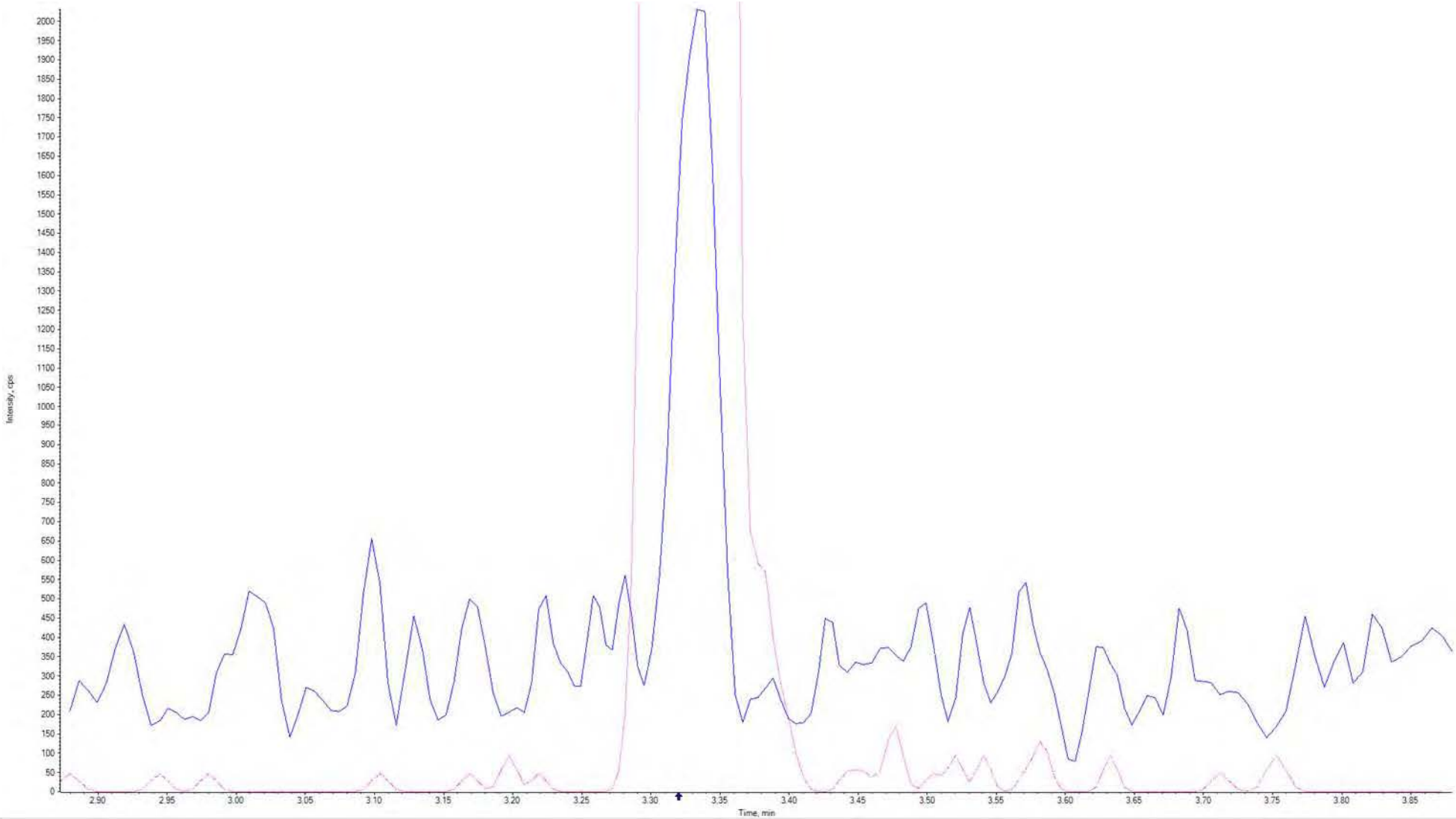
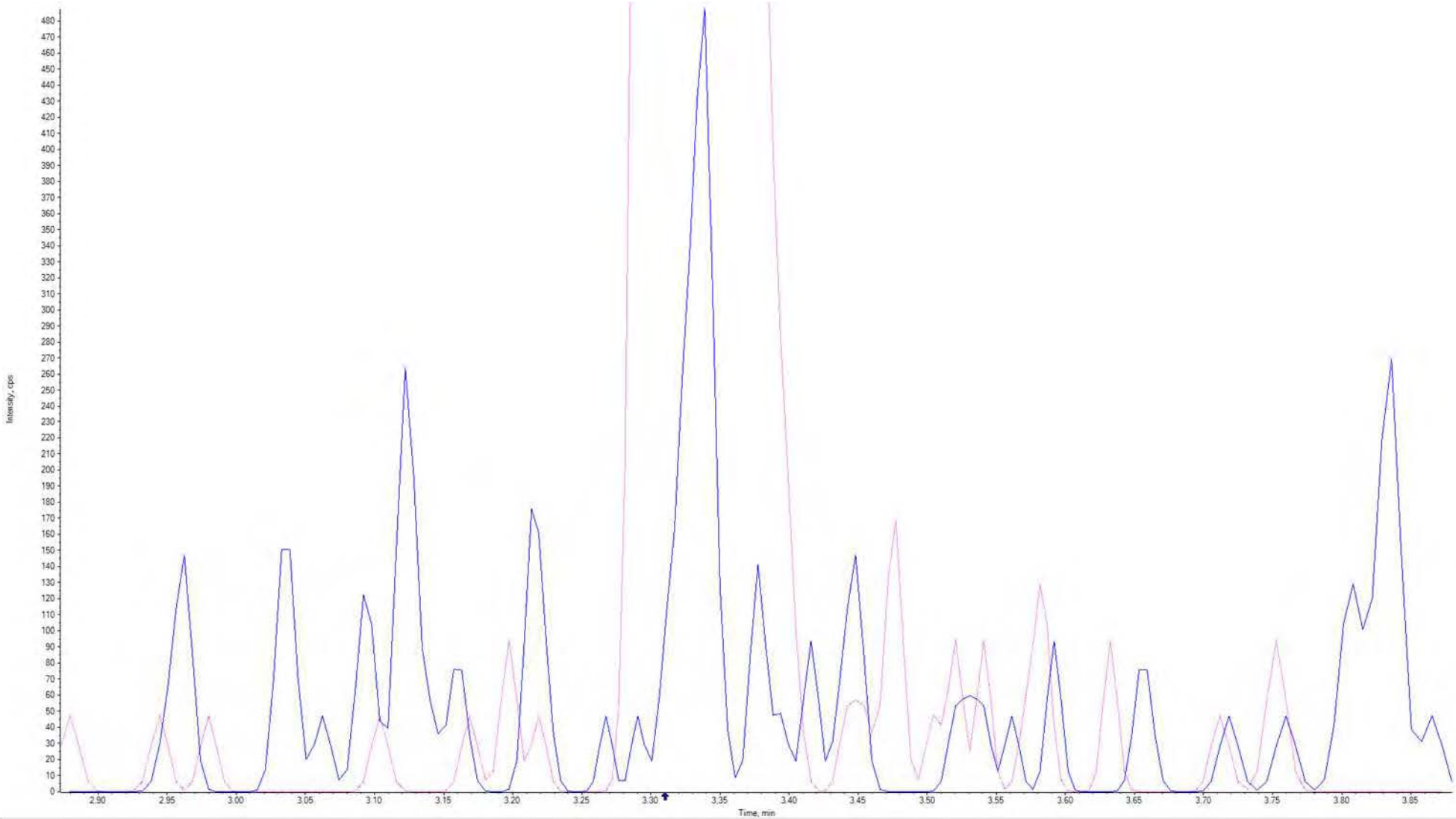
PFNA
Sample: L2467934-05 S/N:N/A Points Across peak:N/A



PFNA_2
Sample: L2467934-05 S/N:N/A Points Across peak:N/A



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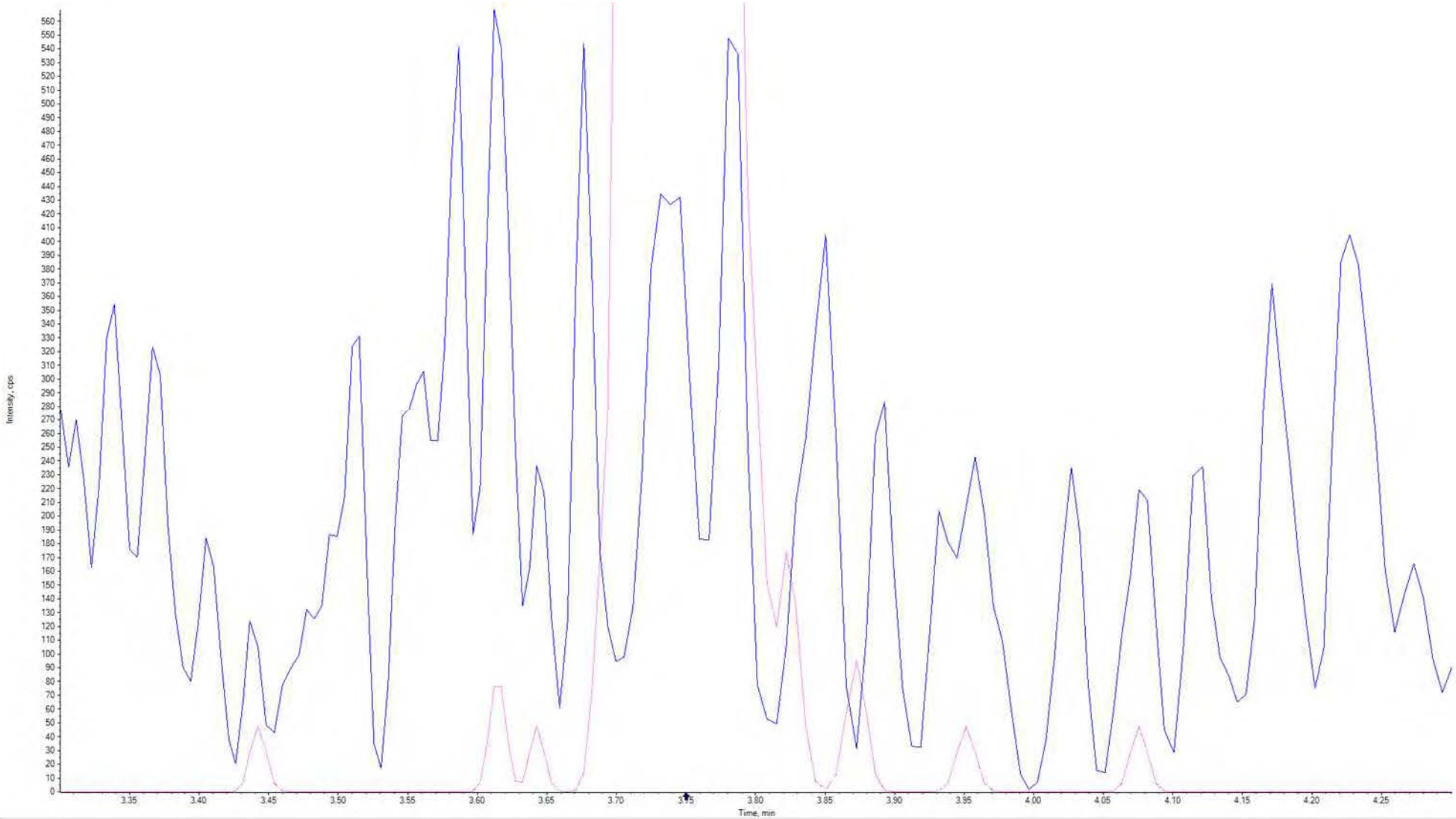
PFDA
Sample: L2467934-05 S/N:N/A Points Across peak:N/A



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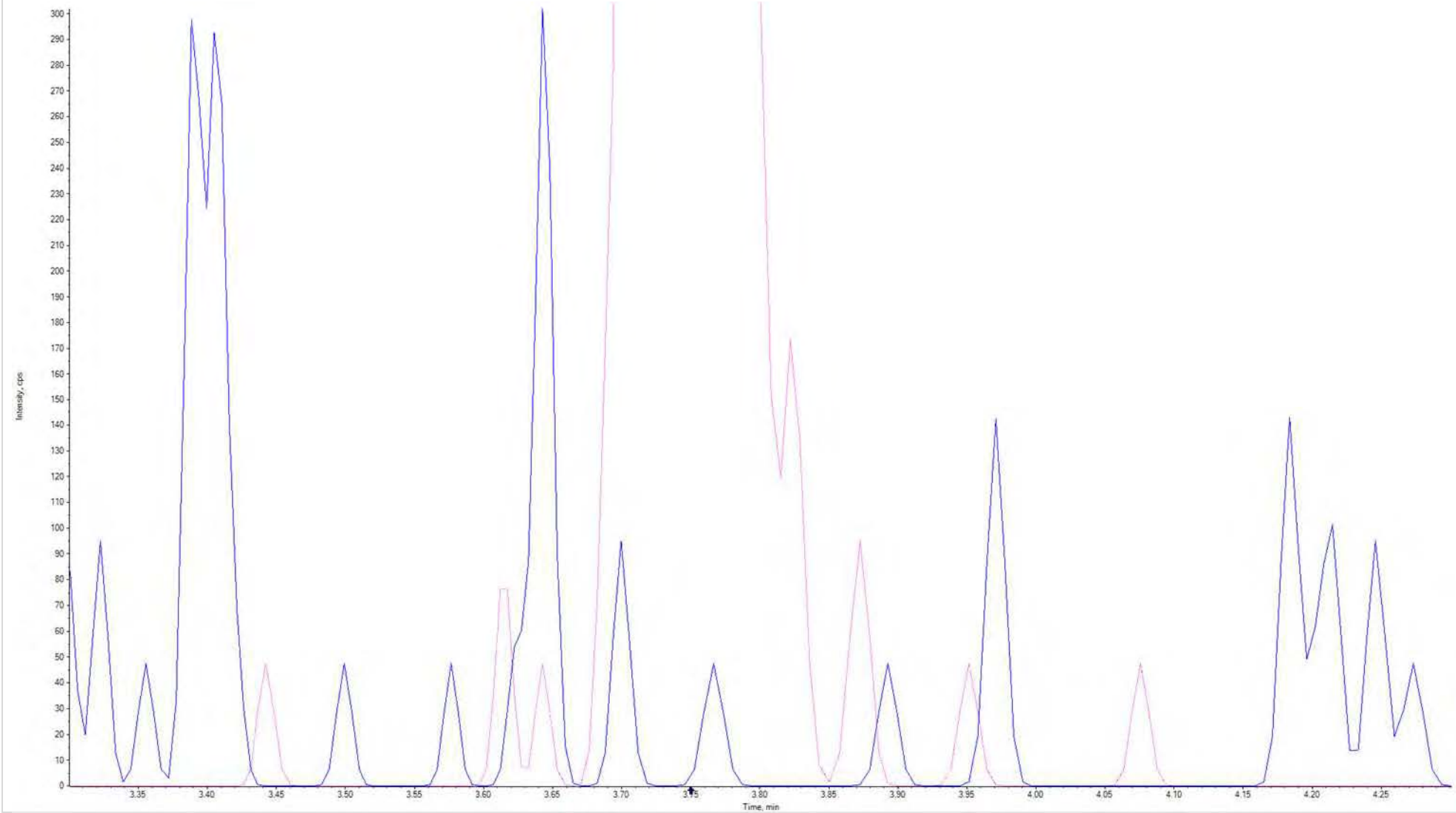
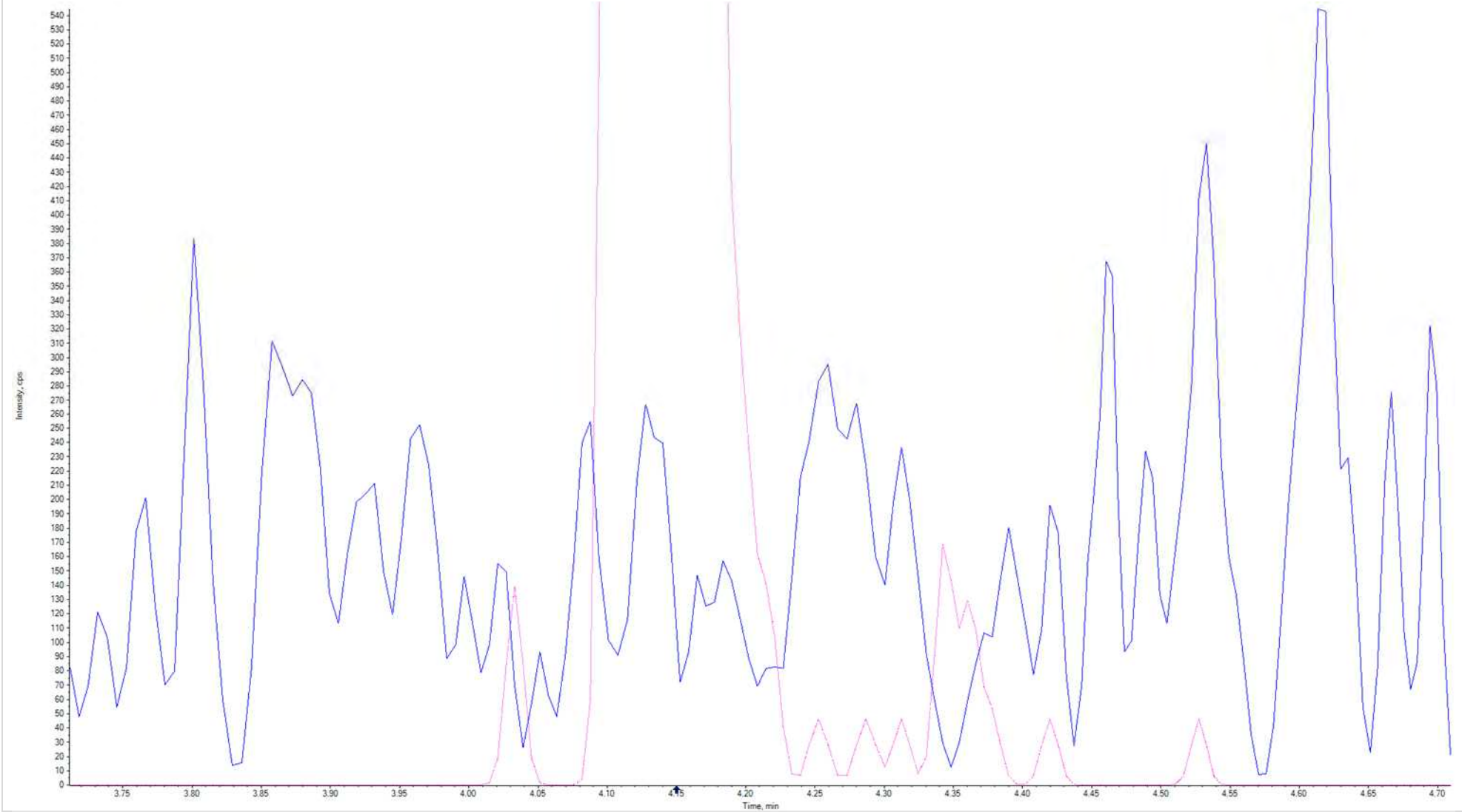
PFDA_2
Sample: L2467934-05 S/N:N/A Points Across peak:N/A



PFUnA
Sample: L2467934-05 S/N:N/A Points Across peak:N/A



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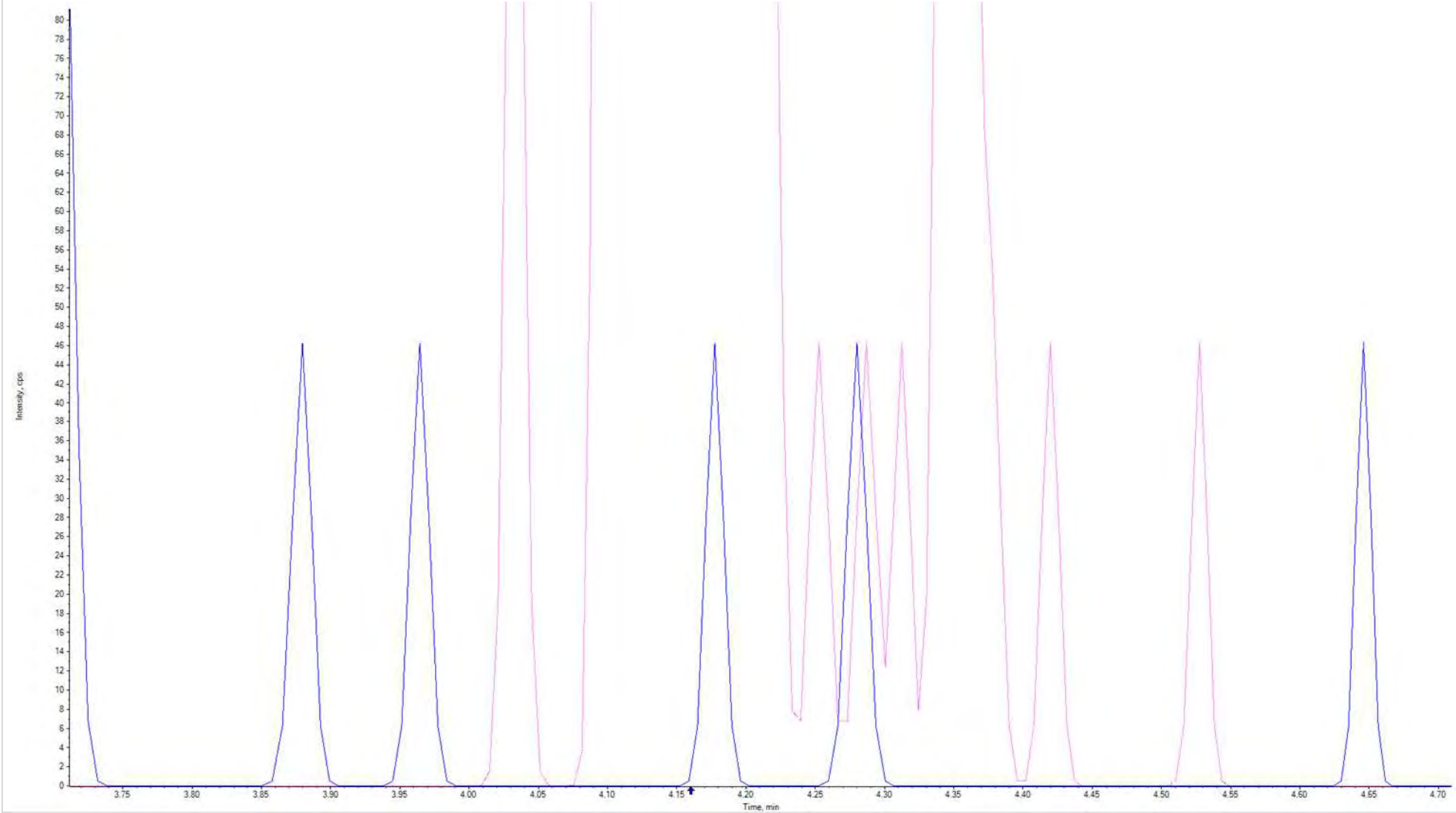
PFUnA_2
Sample: L2467934-05 S/N:N/A Points Across peak:N/A



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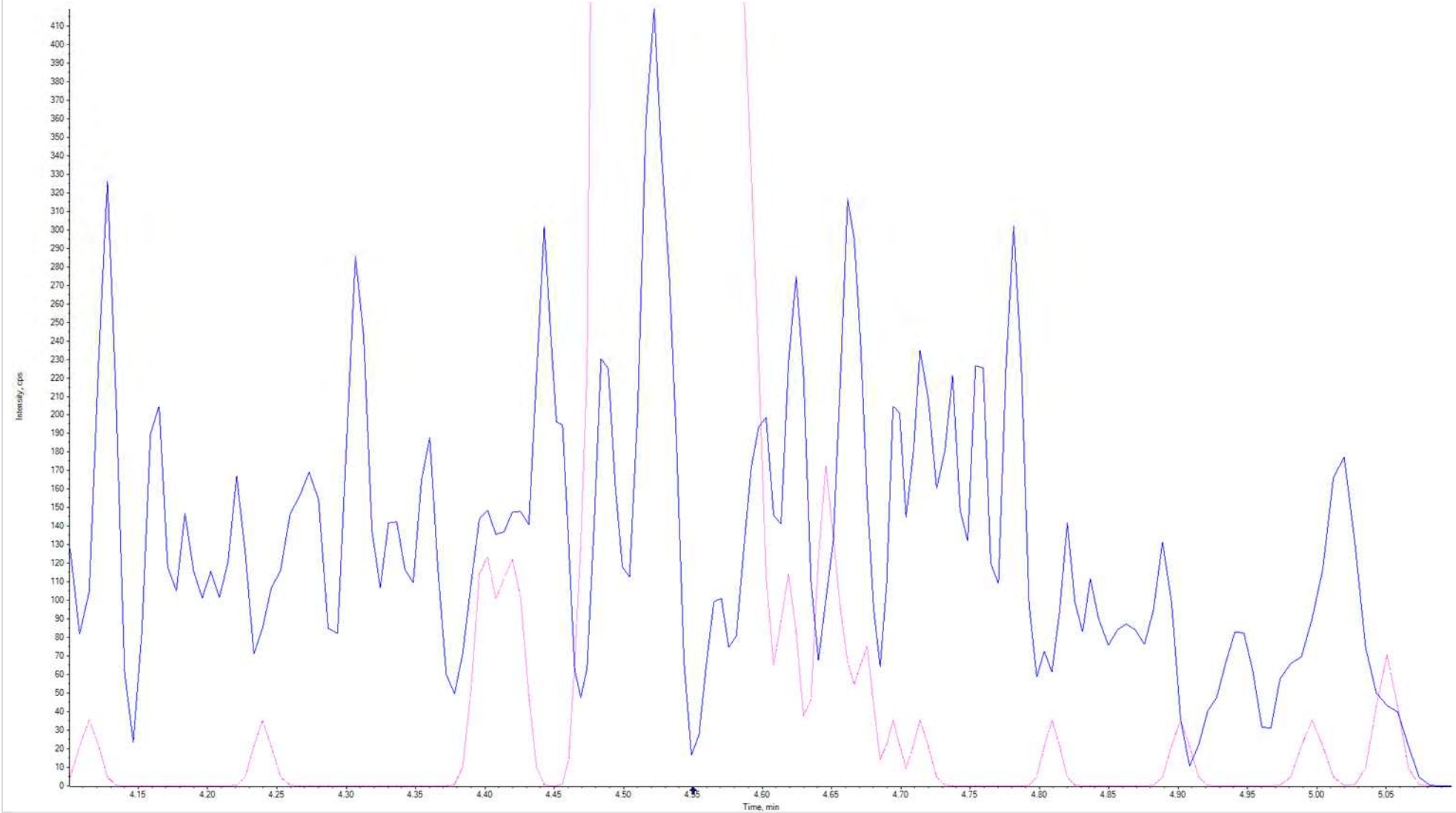
PFDoA
Sample: L2467934-05 S/N:N/A Points Across peak:N/A



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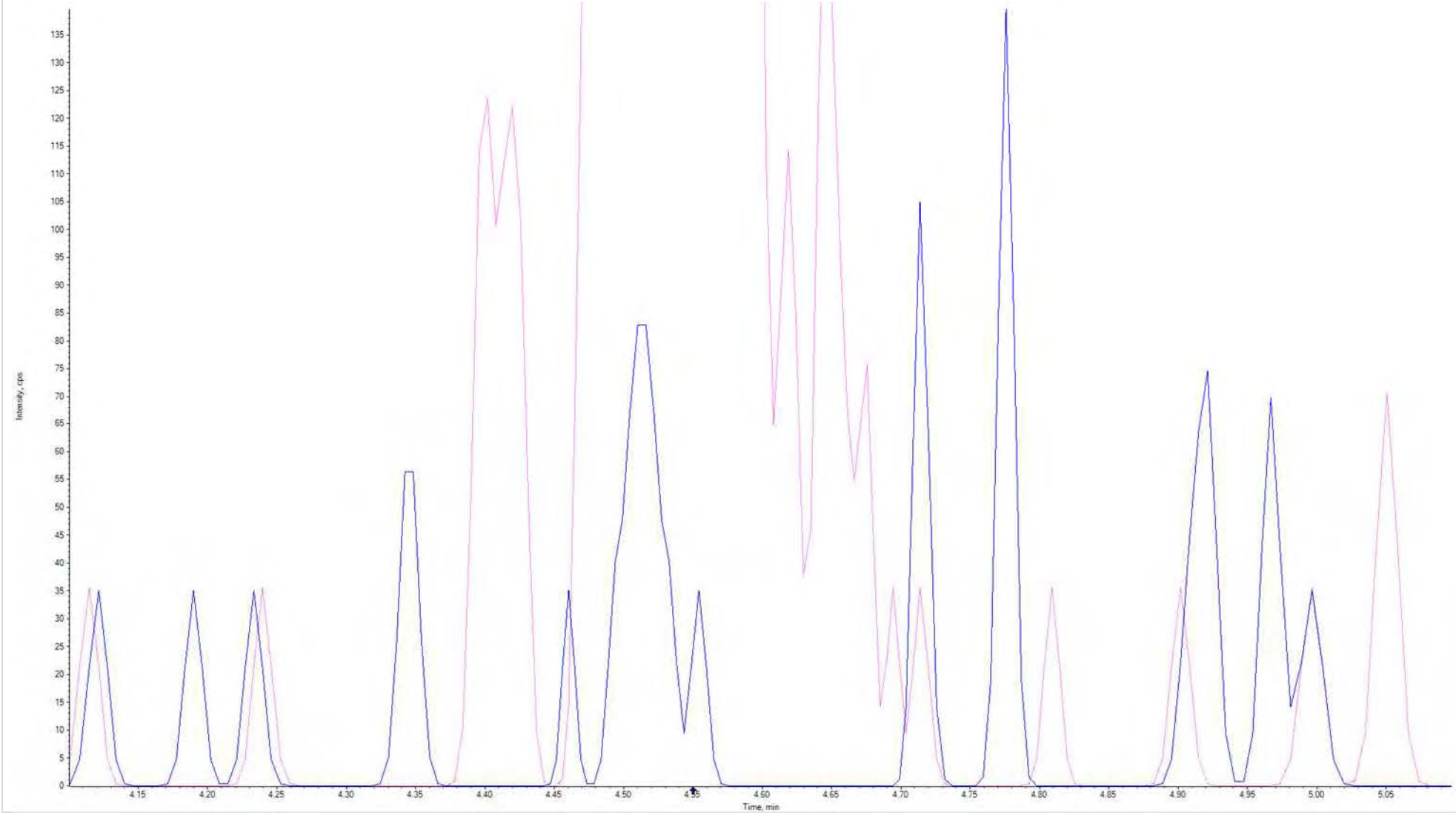
PFDoA_2
Sample: L2467934-05 S/N:N/A Points Across peak:N/A



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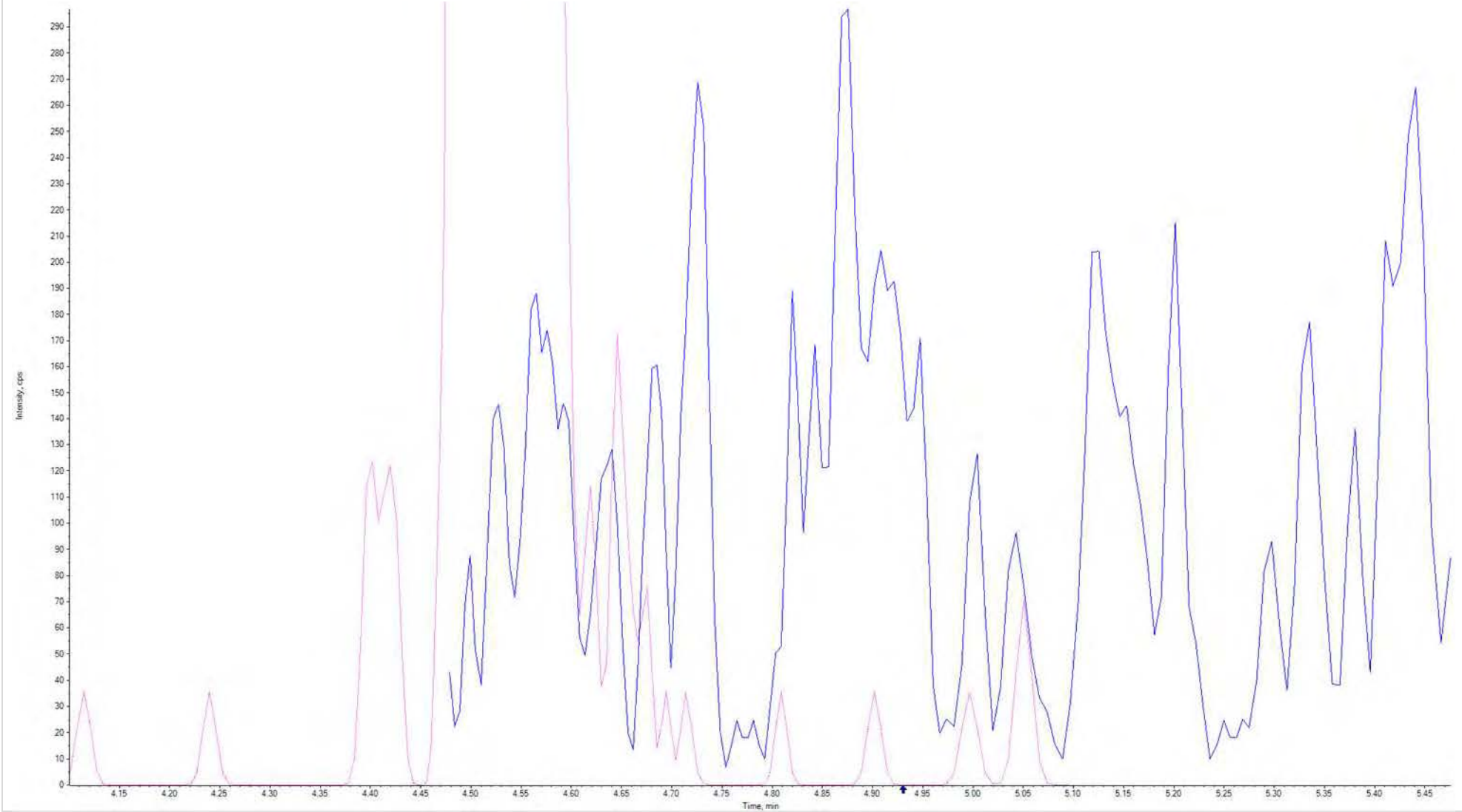
PFTrDA
Sample: L2467934-05 S/N:N/A Points Across peak:N/A



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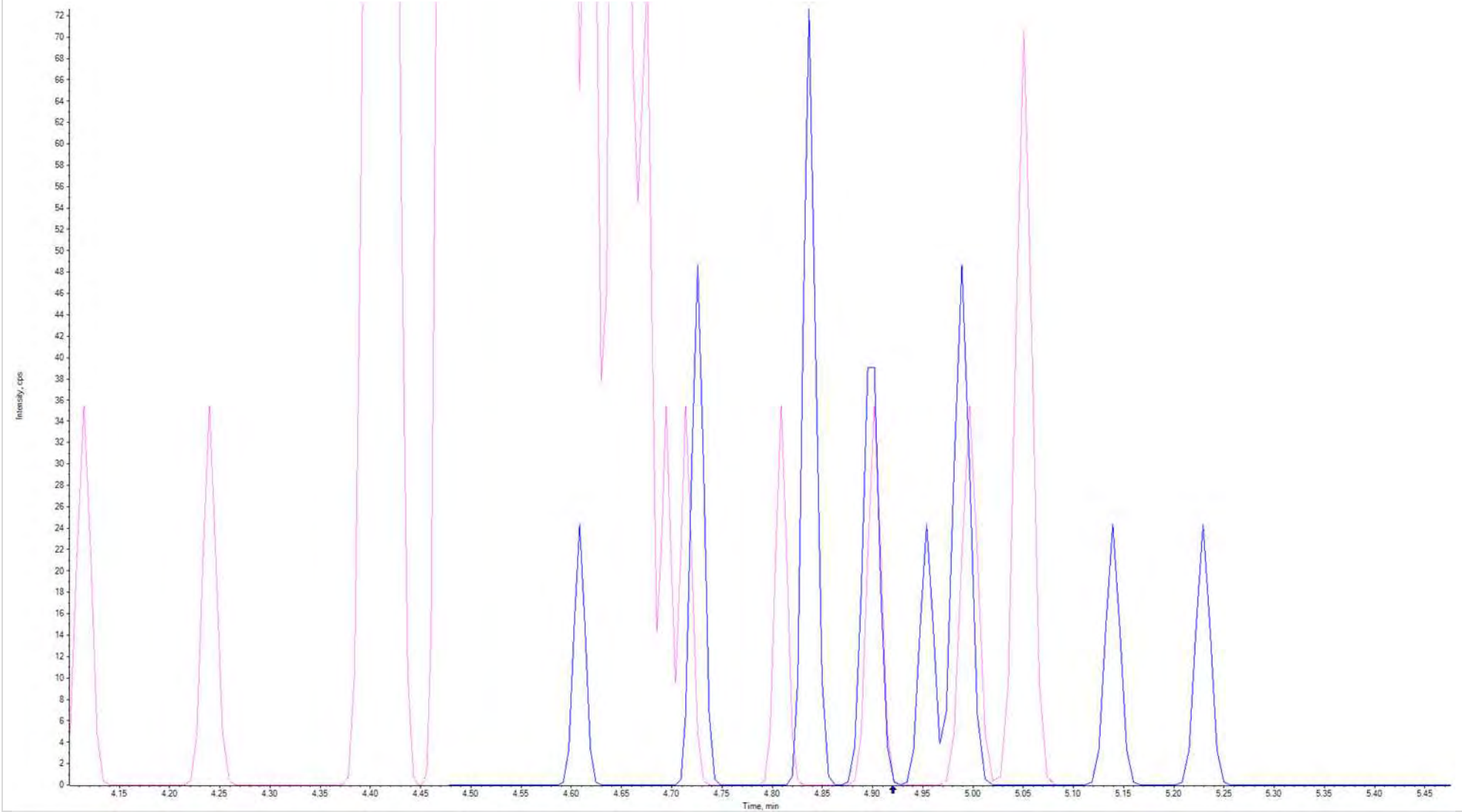
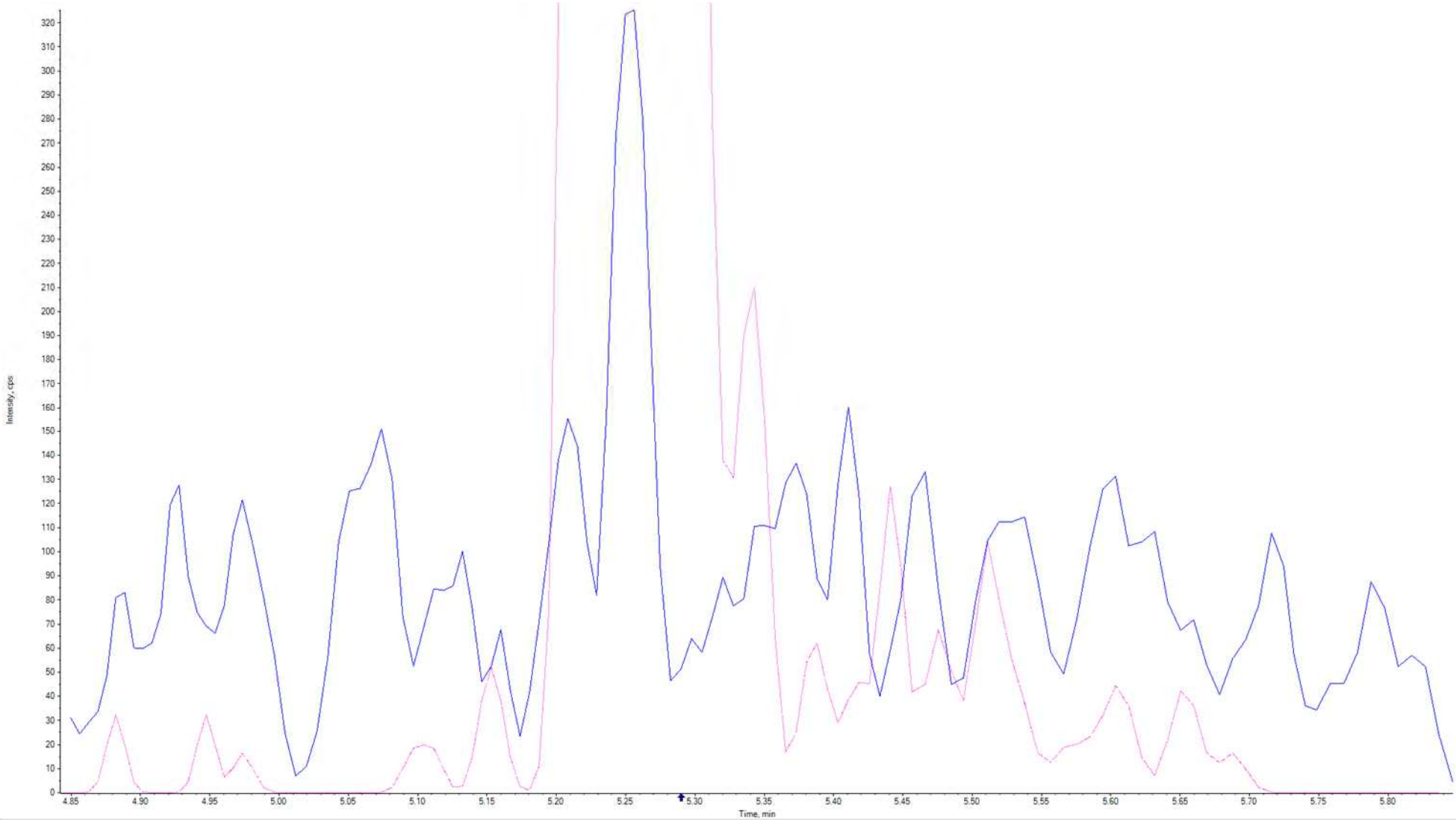
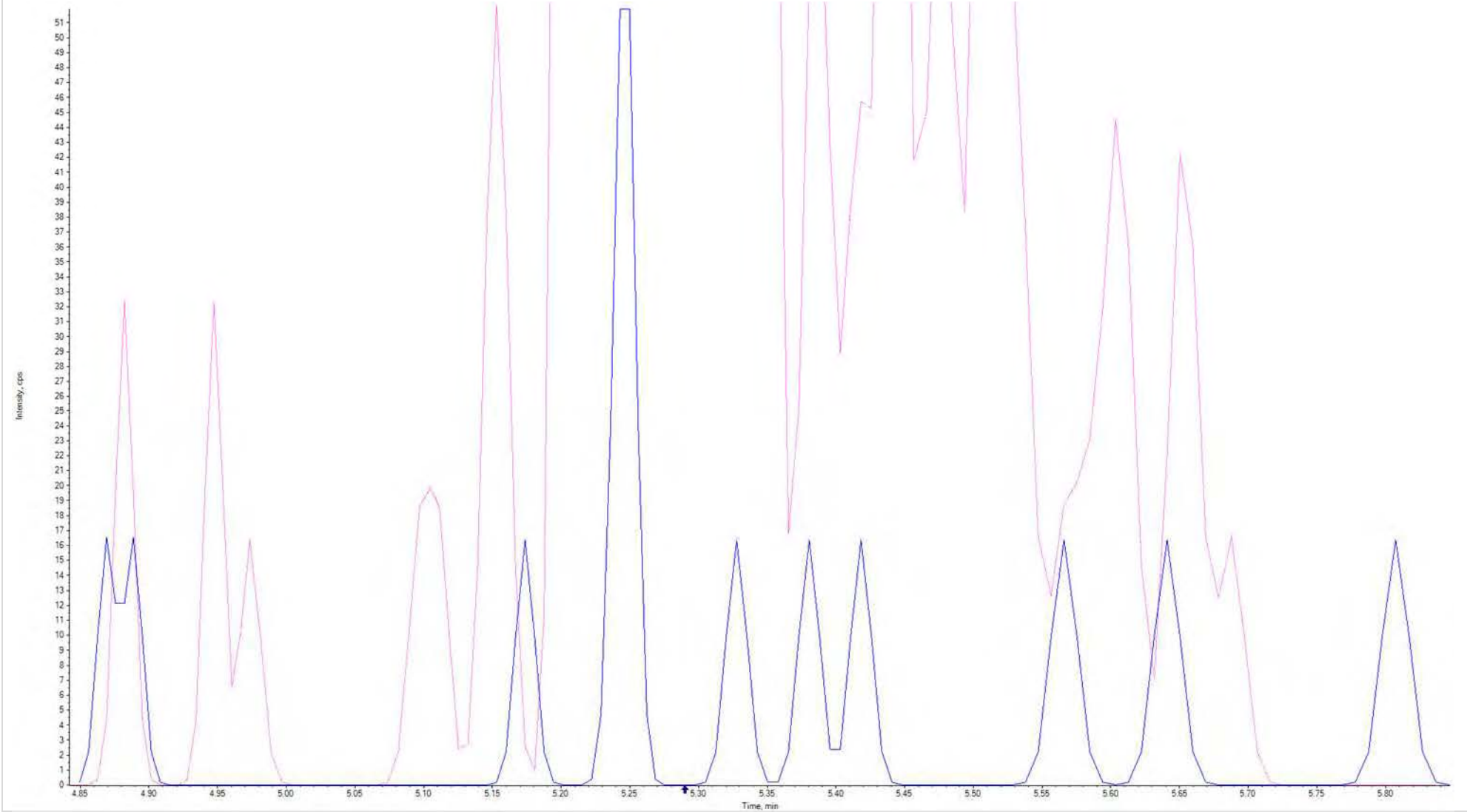
PFTrDA_2
Sample: L2467934-05 S/N:N/A Points Across peak:N/A



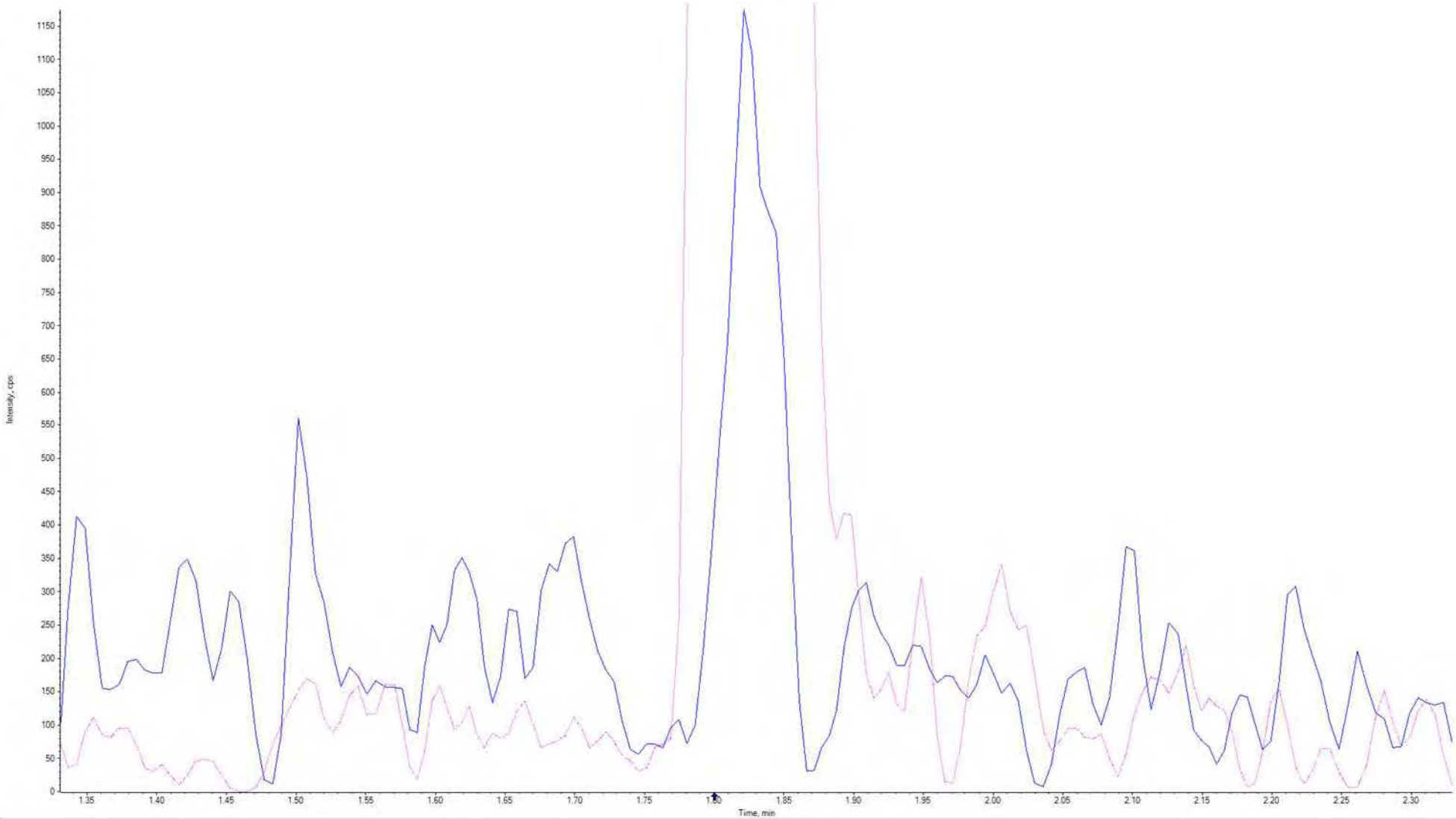
PFTeDA
Sample: L2467934-05 S/N:N/A Points Across peak:N/A



PFTeDA_2
Sample: L2467934-05 S/N:N/A Points Across peak:N/A



PFBS
Sample: L2467934-05 S/N:N/A Points Across peak:N/A



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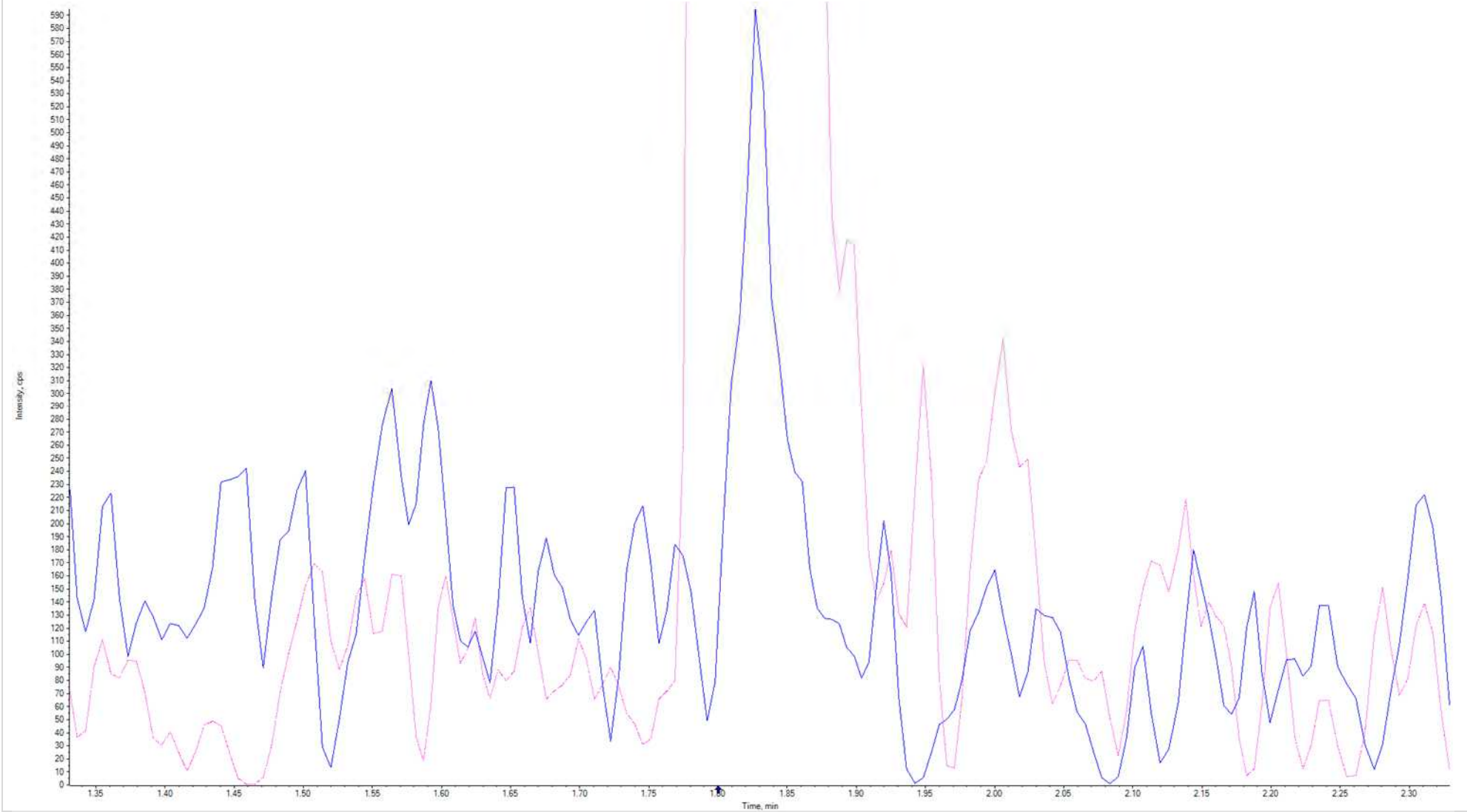
PFBS_2
Sample: L2467934-05 S/N:N/A Points Across peak:N/A



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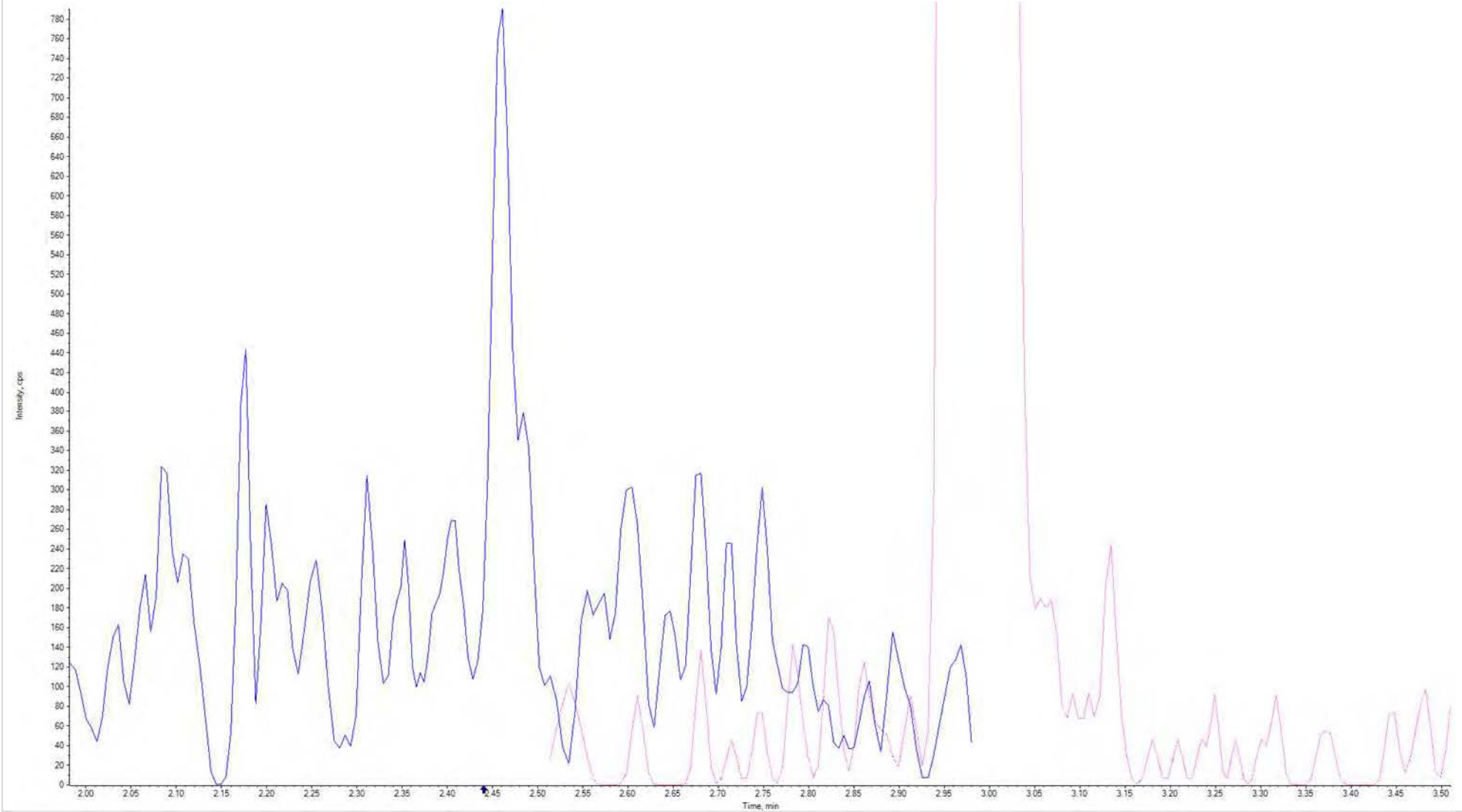
PFPeS
Sample: L2467934-05 S/N:N/A Points Across peak:N/A



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PFPeS_2
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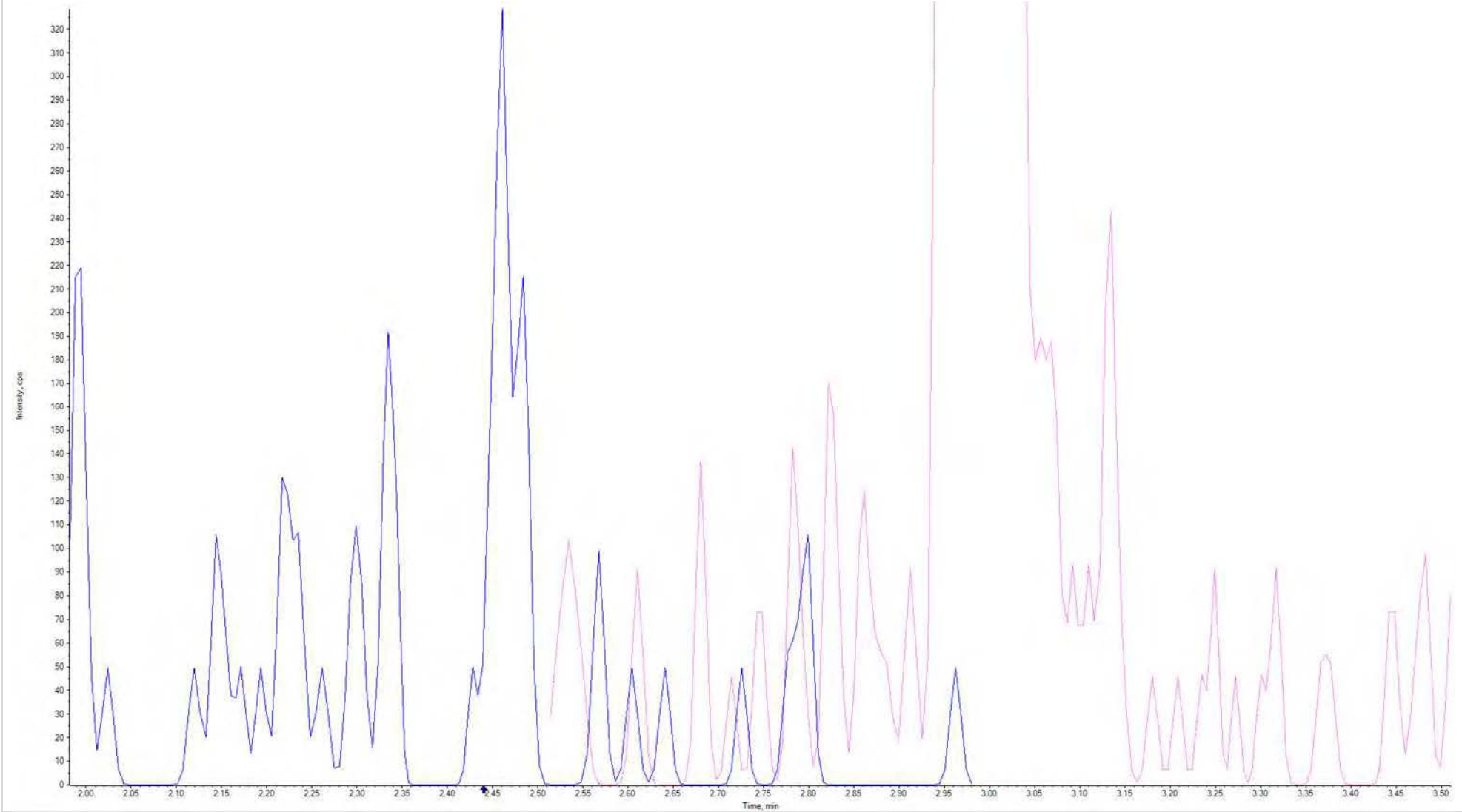

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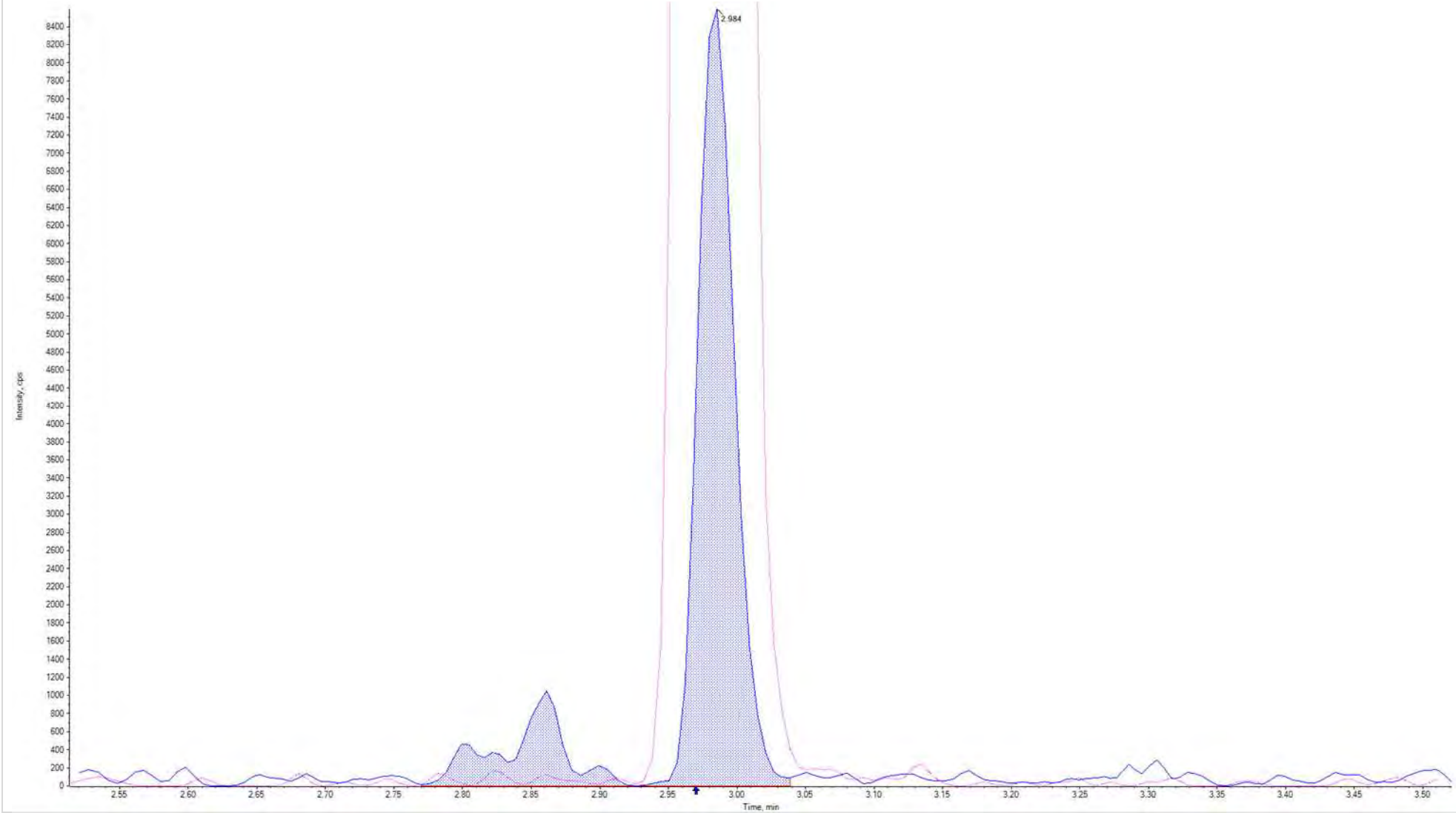
PFHxS
Sample: L2467934-05 S/N:166.3 Points Across peak:47



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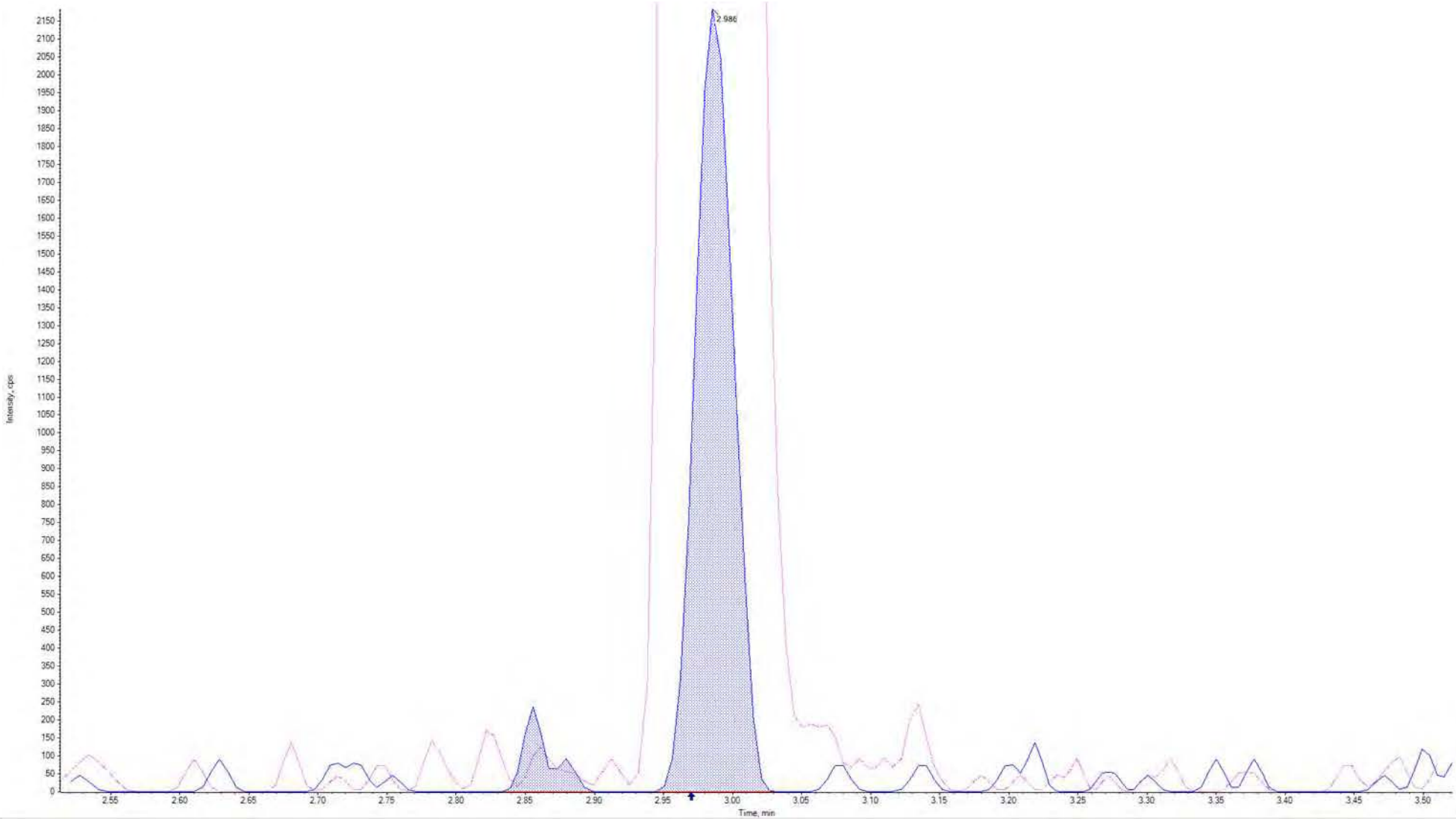
PFHxS_2
Sample: L2467934-05 S/N:49.3 Points Across peak:34



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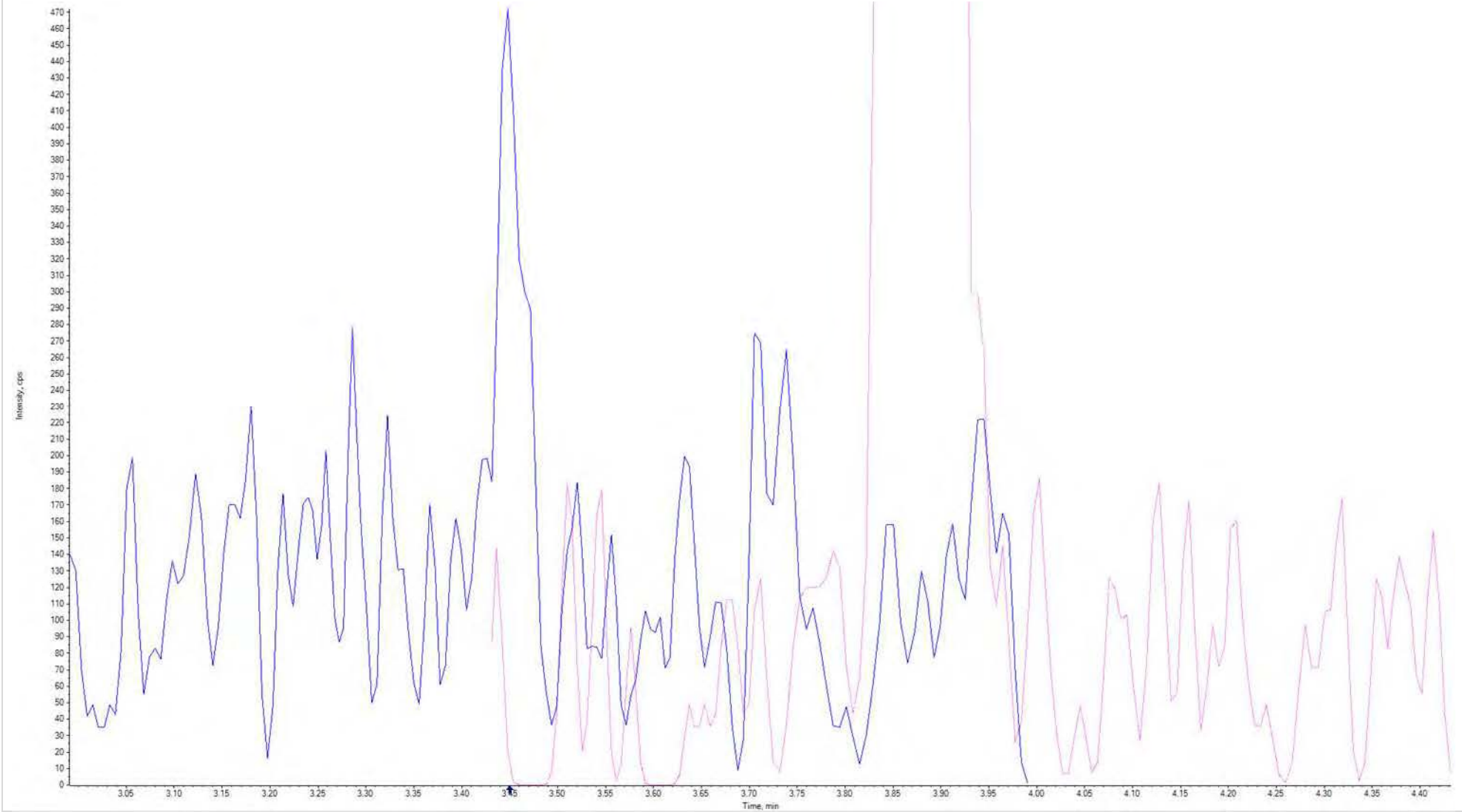
PFHpS
Sample: L2467934-05 S/N:N/A Points Across peak:N/A



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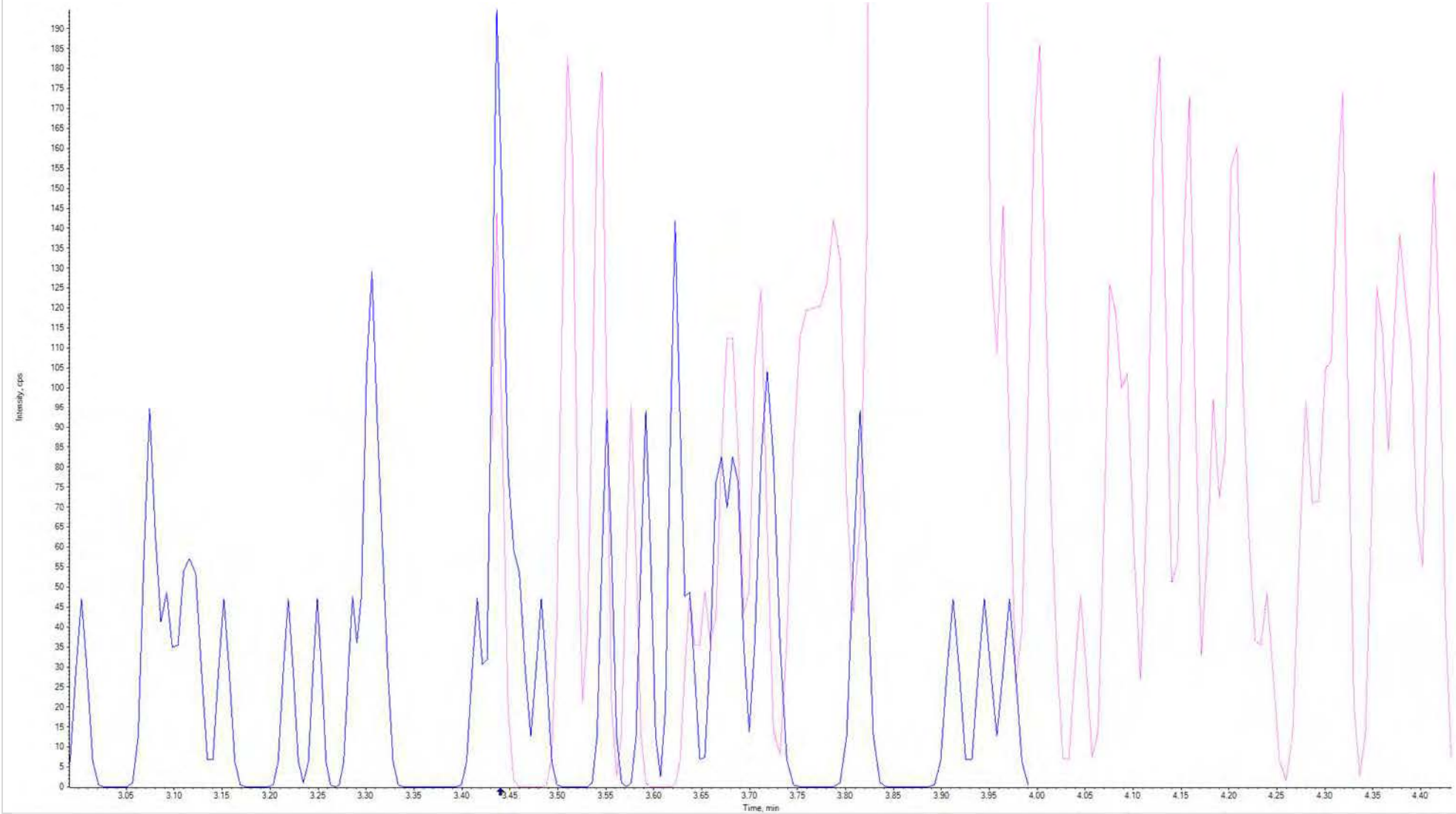
PFHpS_2
Sample: L2467934-05 S/N:N/A Points Across peak:N/A



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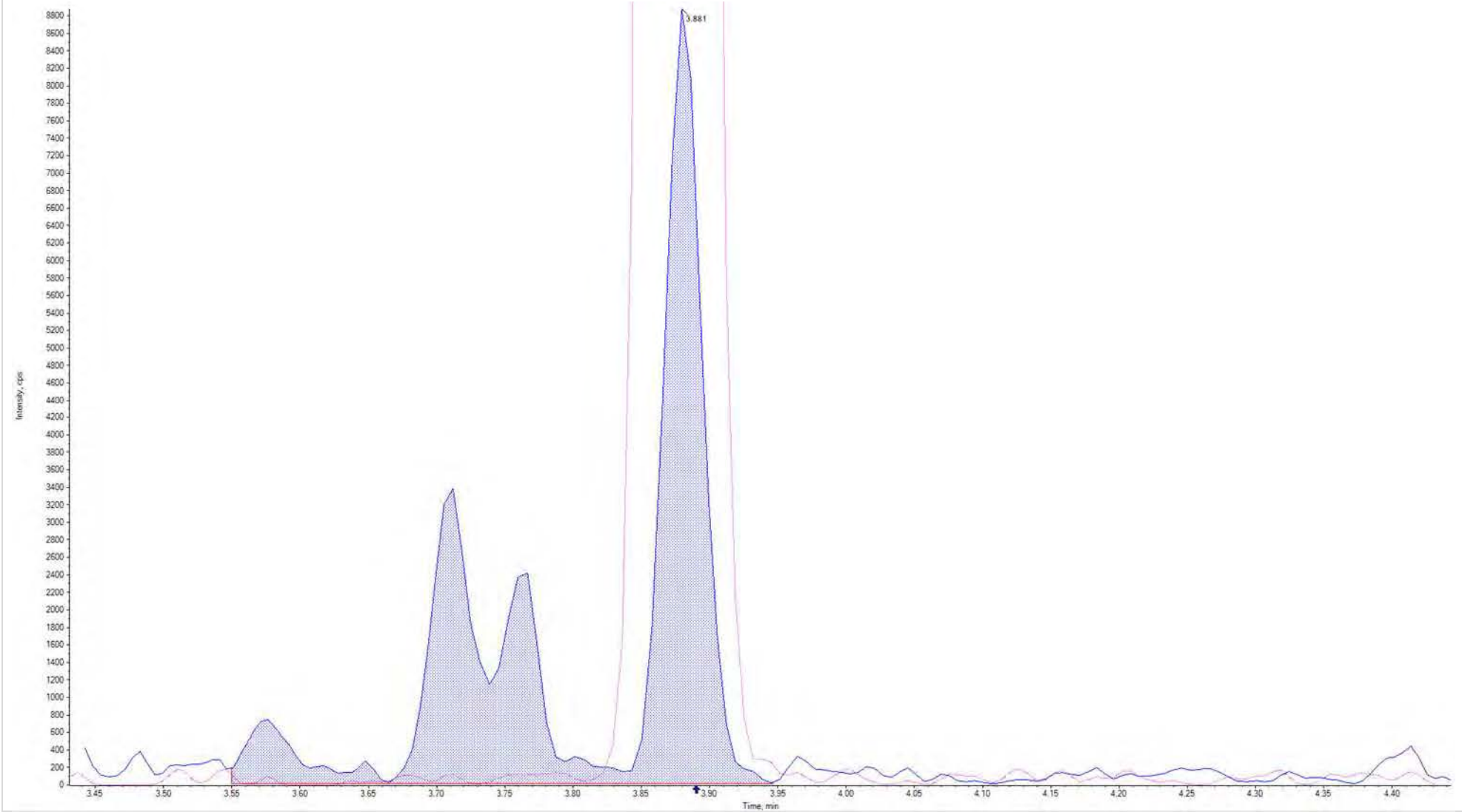
PFOS
Sample: L2467934-05 S/N:104.7 Points Across peak:67



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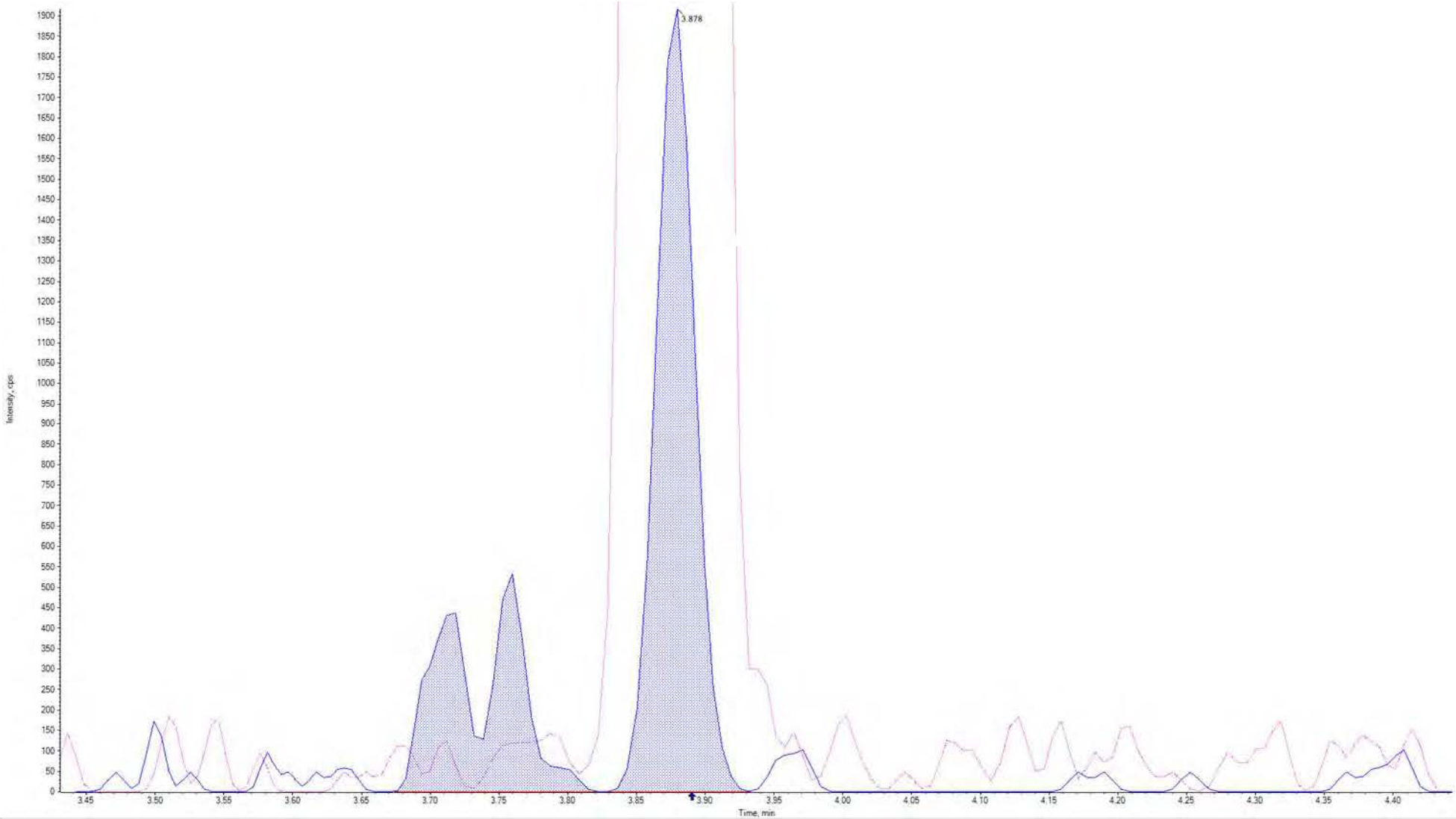
PFOS_2
Sample: L2467934-05 S/N:38.4 Points Across peak:41



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/24/2024 7:52:08 AM
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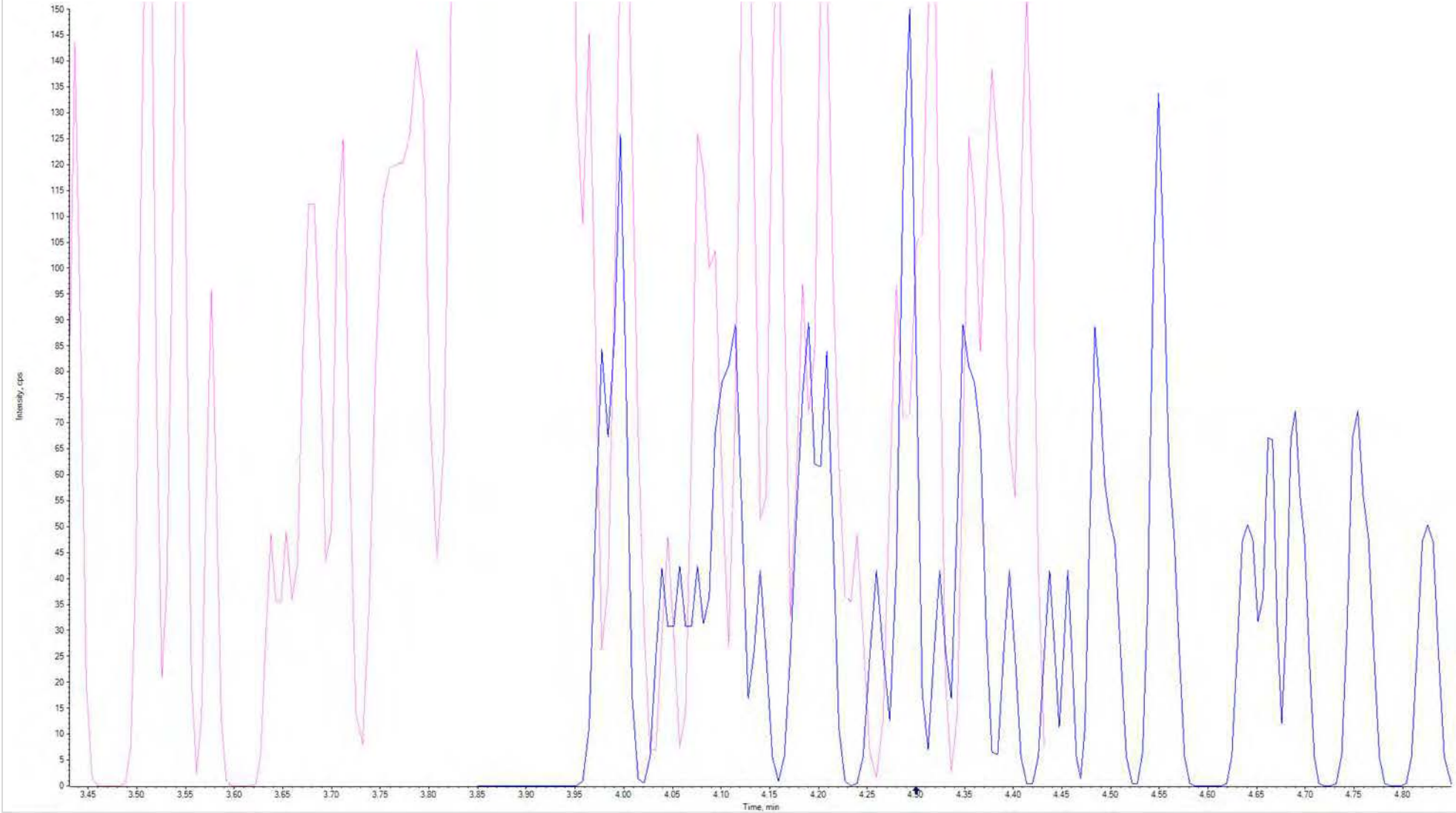
PFNS
Sample: L2467934-05 S/N:N/A Points Across peak:N/A



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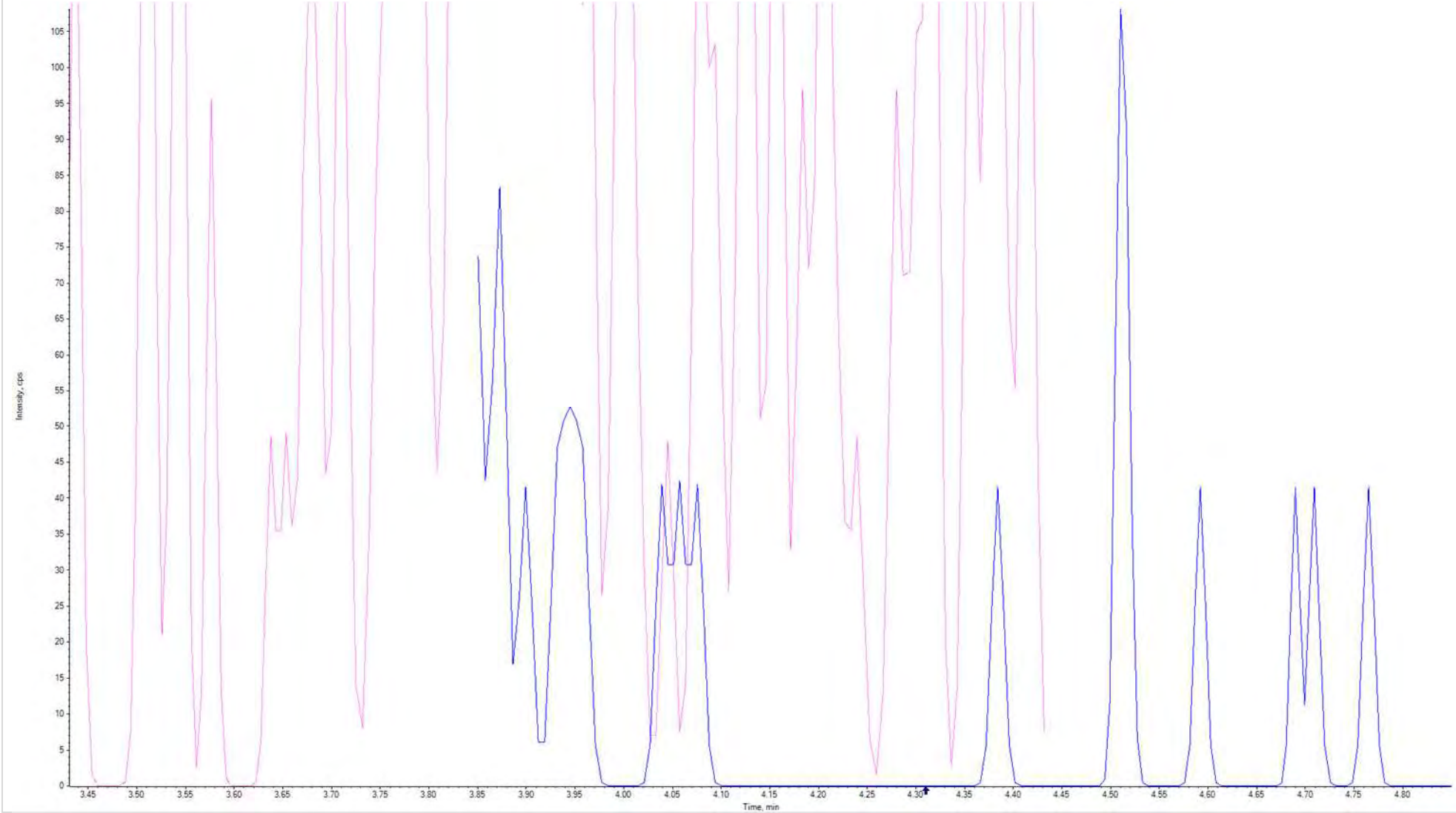
PFNS_2
Sample: L2467934-05 S/N:N/A Points Across peak:N/A



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Alpha Analytical LLC
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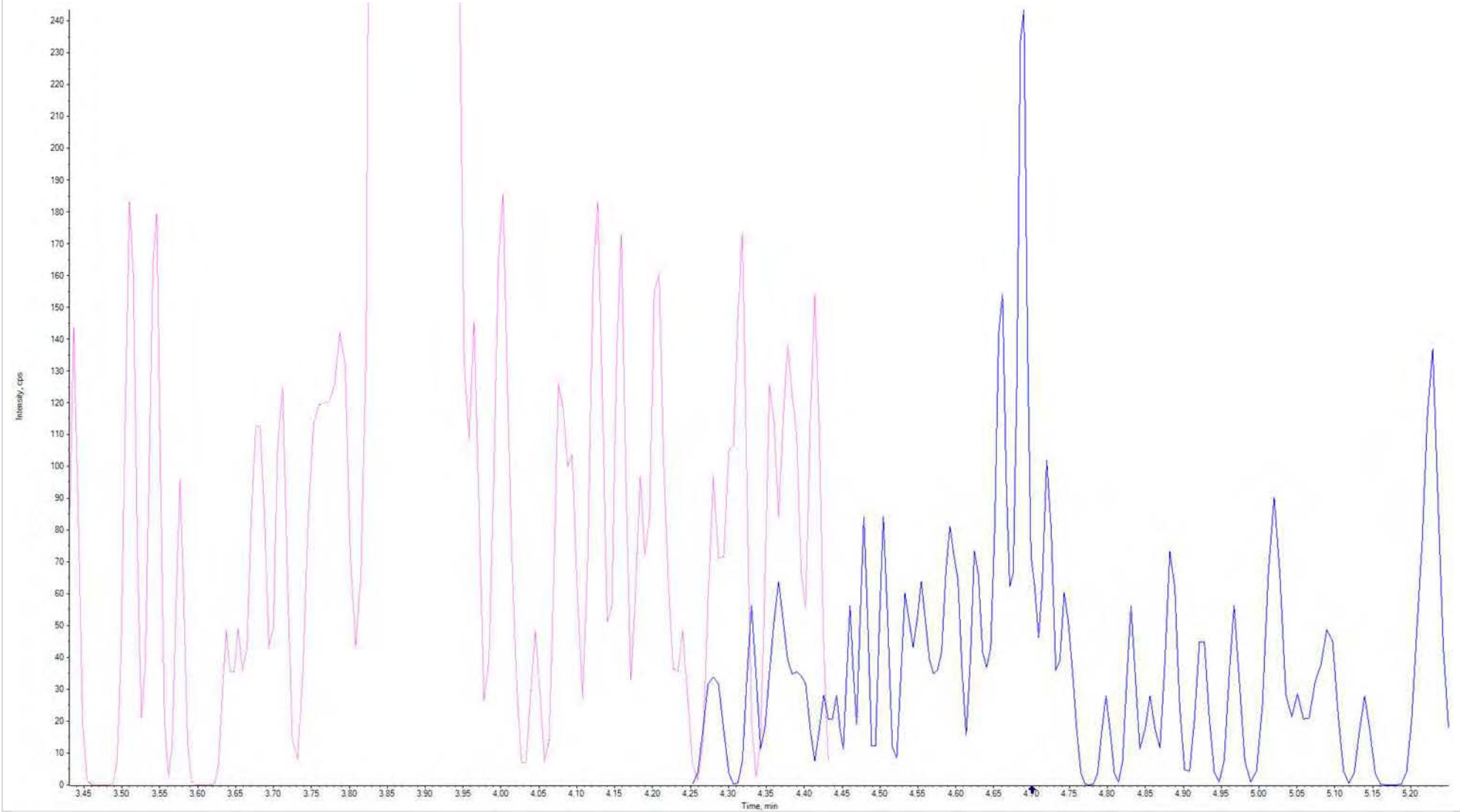
PFDS
Sample: L2467934-05 S/N:N/A Points Across peak:N/A



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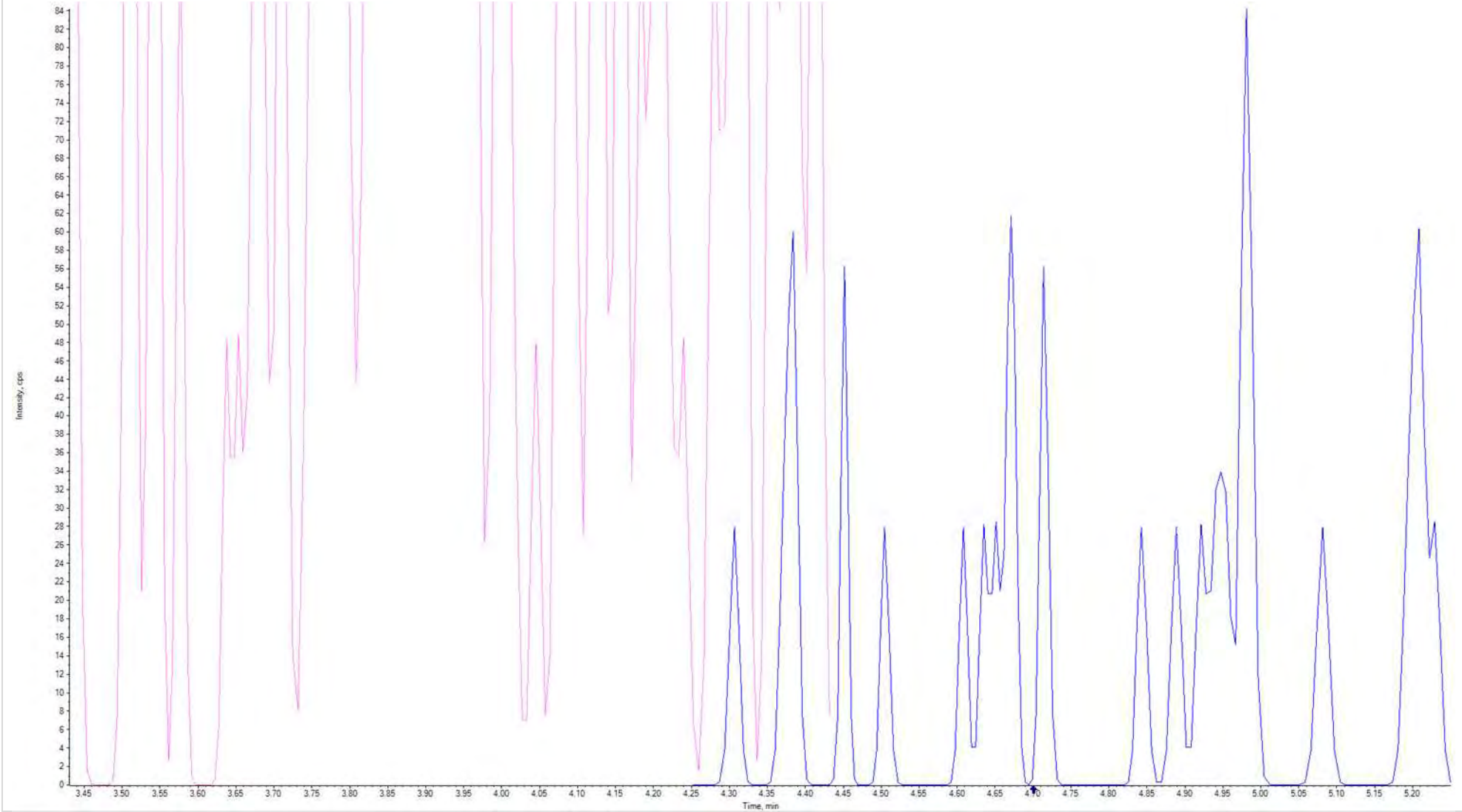
PFDS_2
Sample: L2467934-05 S/N:N/A Points Across peak:N/A



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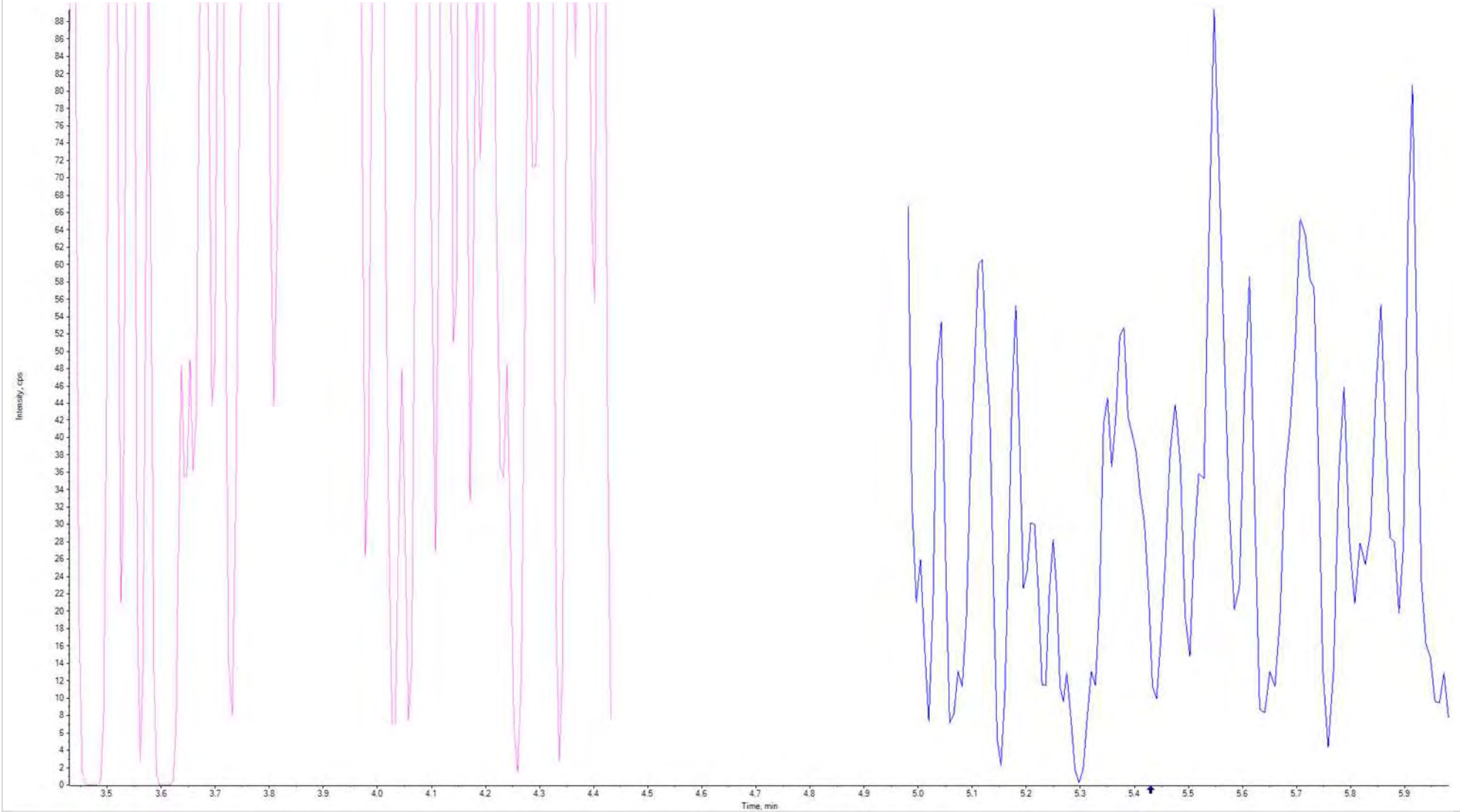
PFDoS
Sample: L2467934-05 S/N:N/A Points Across peak:N/A



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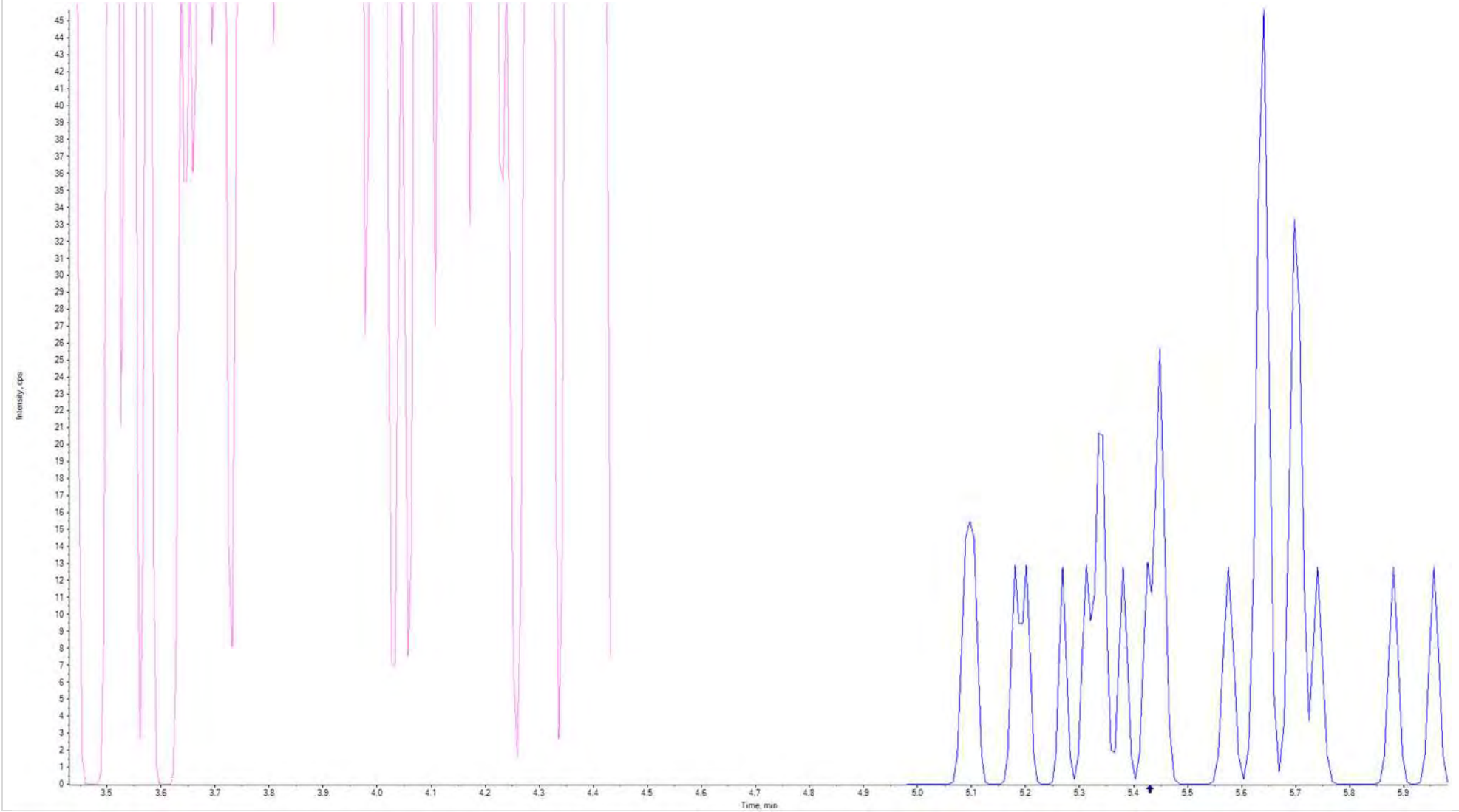
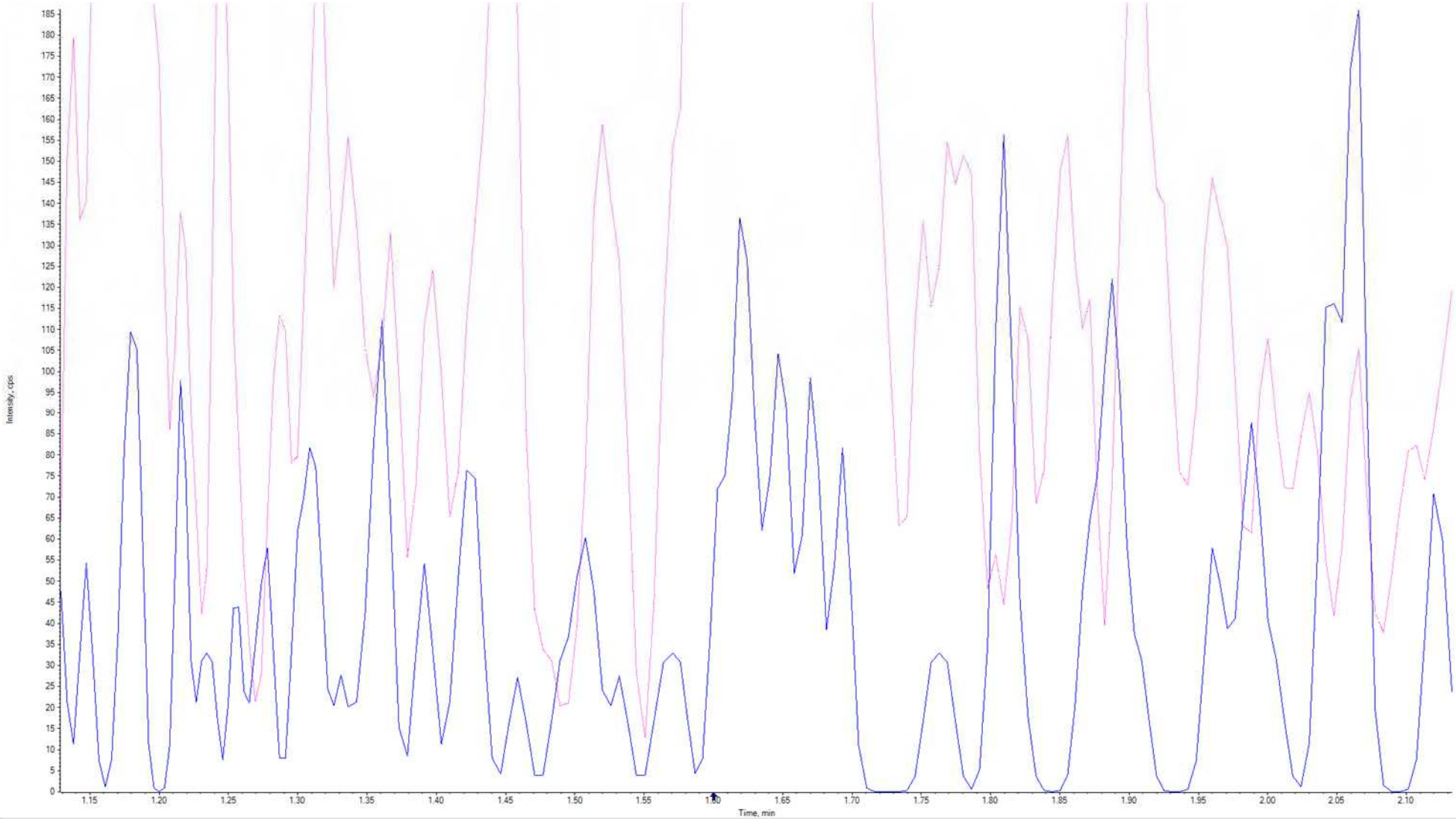
PFDoS_2
Sample: L2467934-05 S/N:N/A Points Across peak:N/A



4:2FTS
Sample: L2467934-05 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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4:2FTS_2
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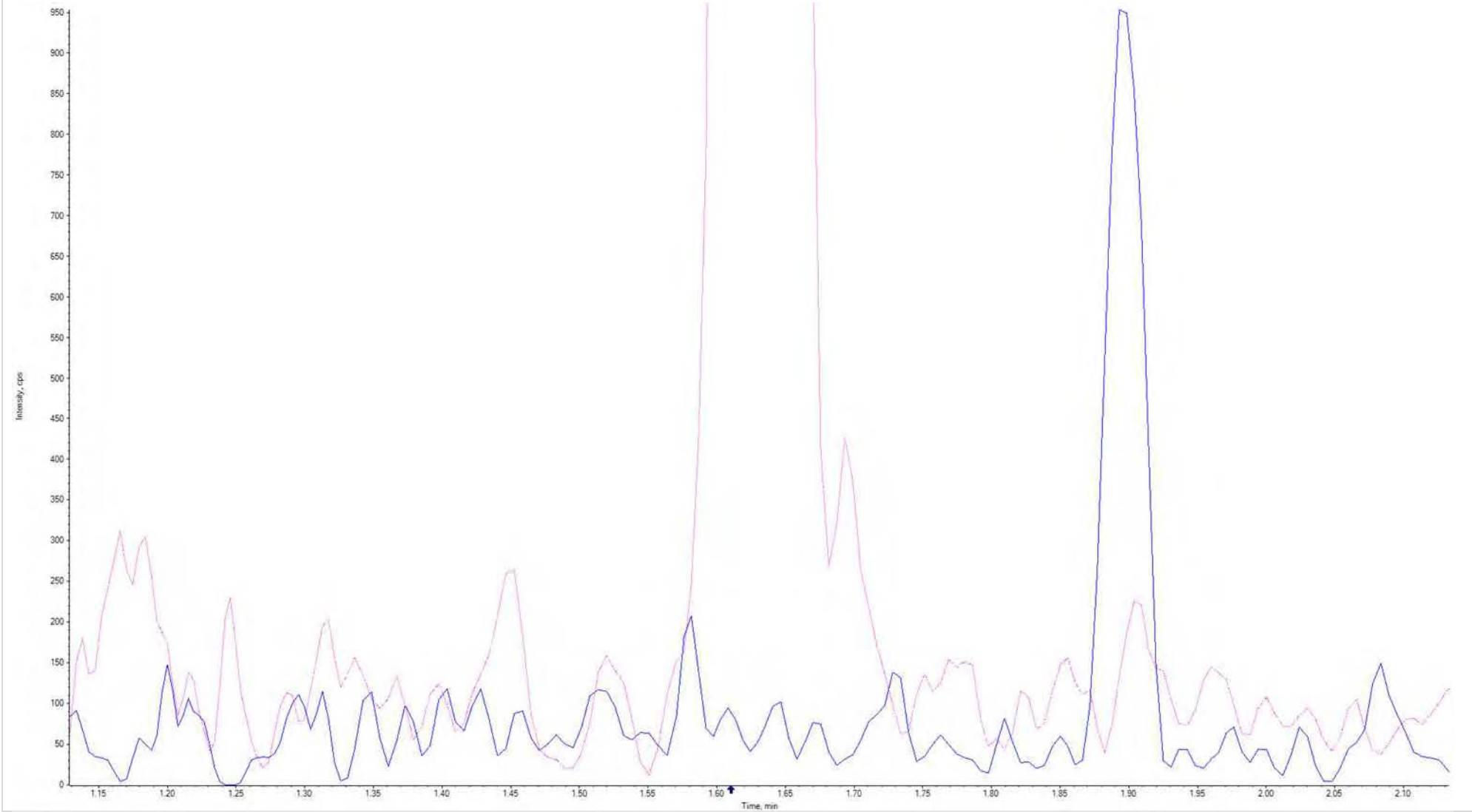

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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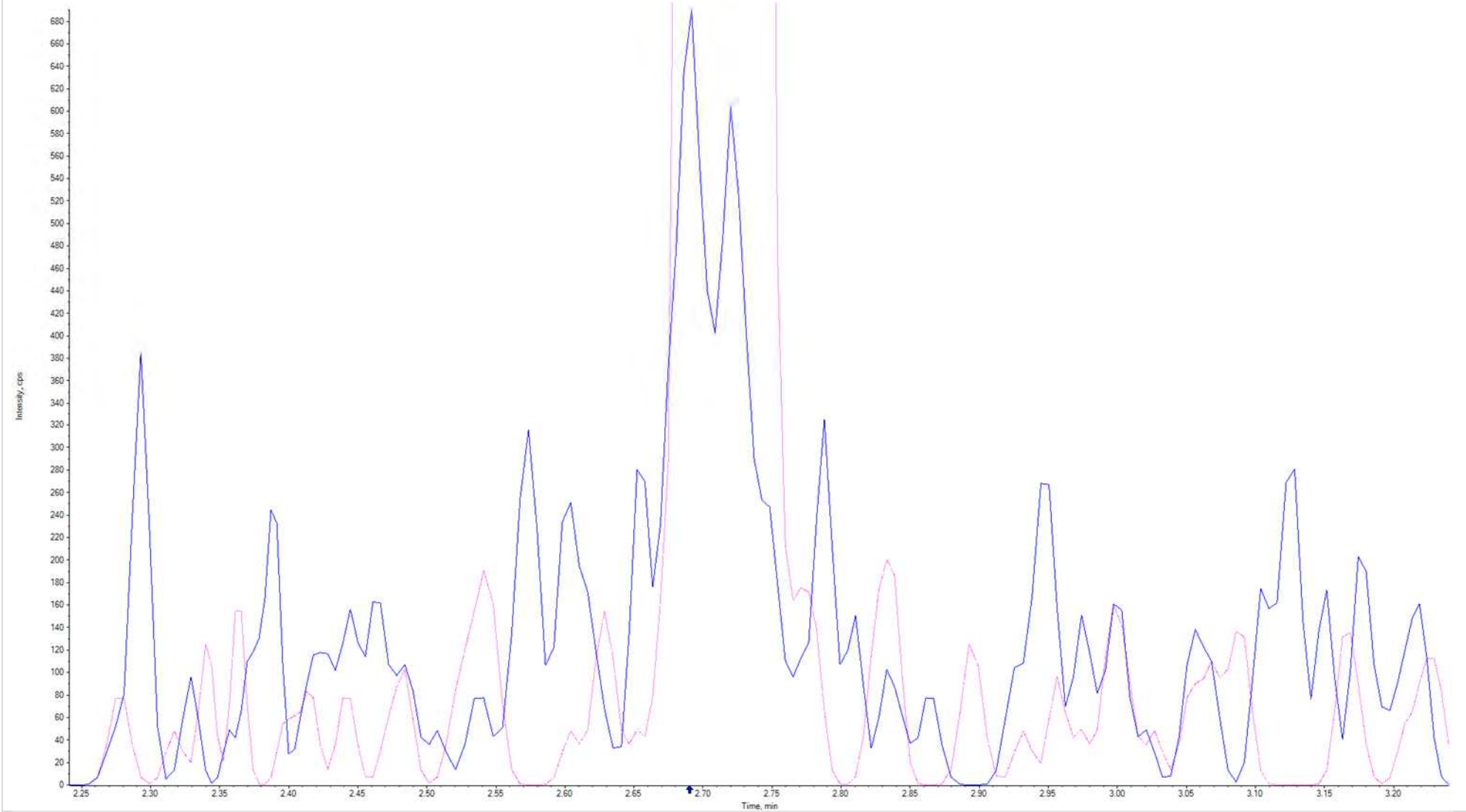
Generated: 12/23/2024 2:36:12 PM

6:2FTS
Sample: L2467934-05 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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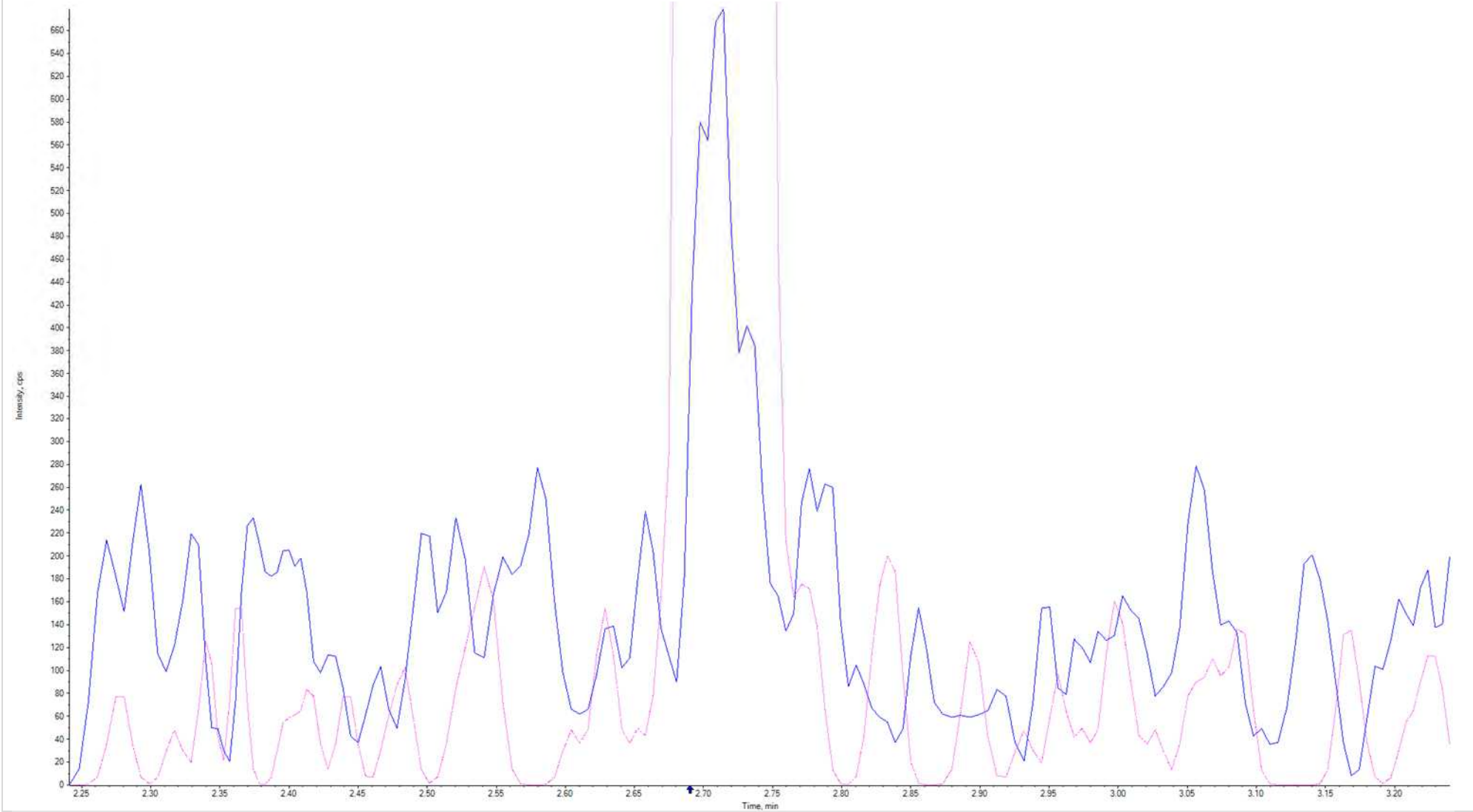
6:2FTS_2
Sample: L2467934-05 S/N:N/A Points Across peak:N/A



8:2FTS
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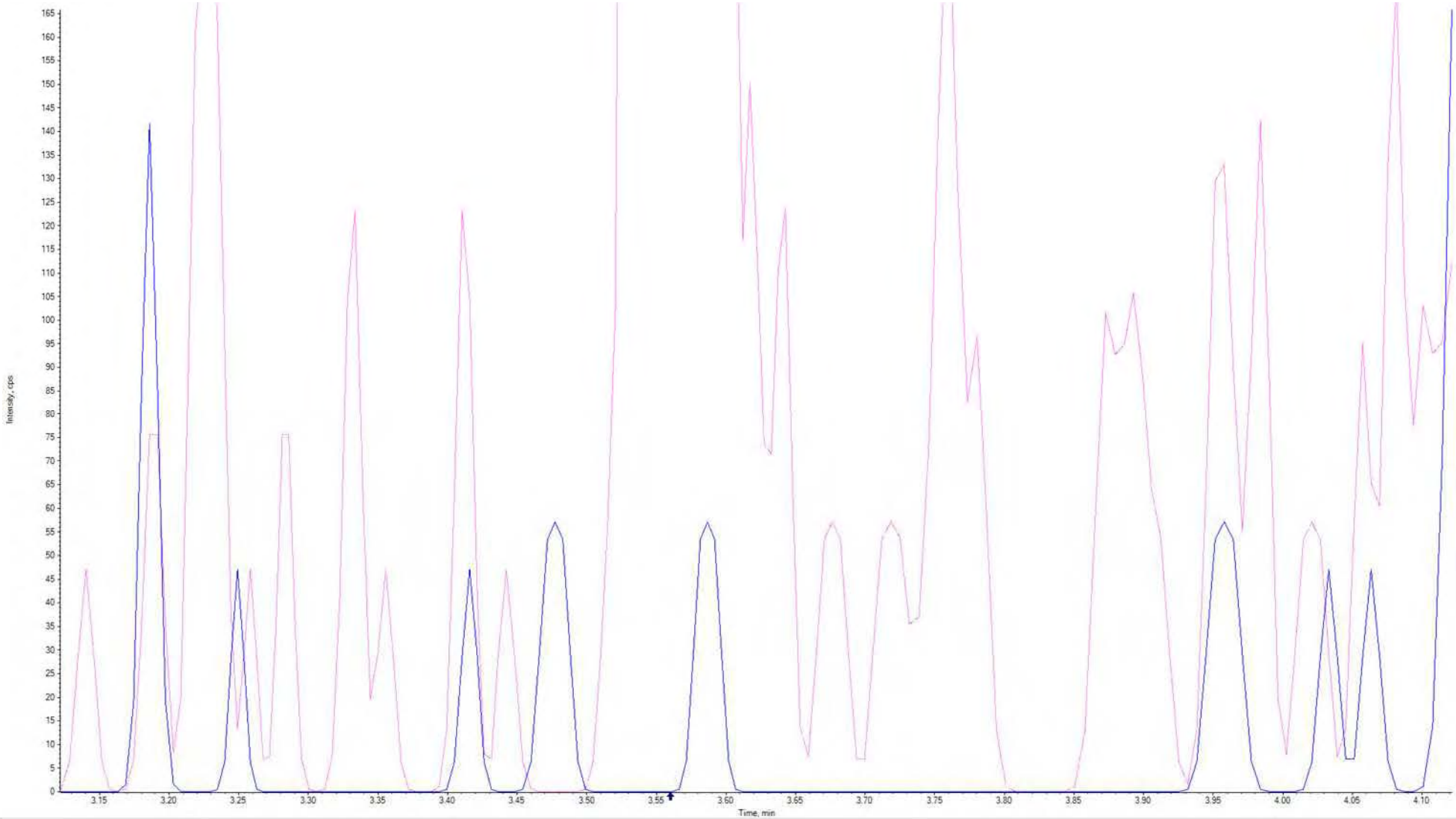

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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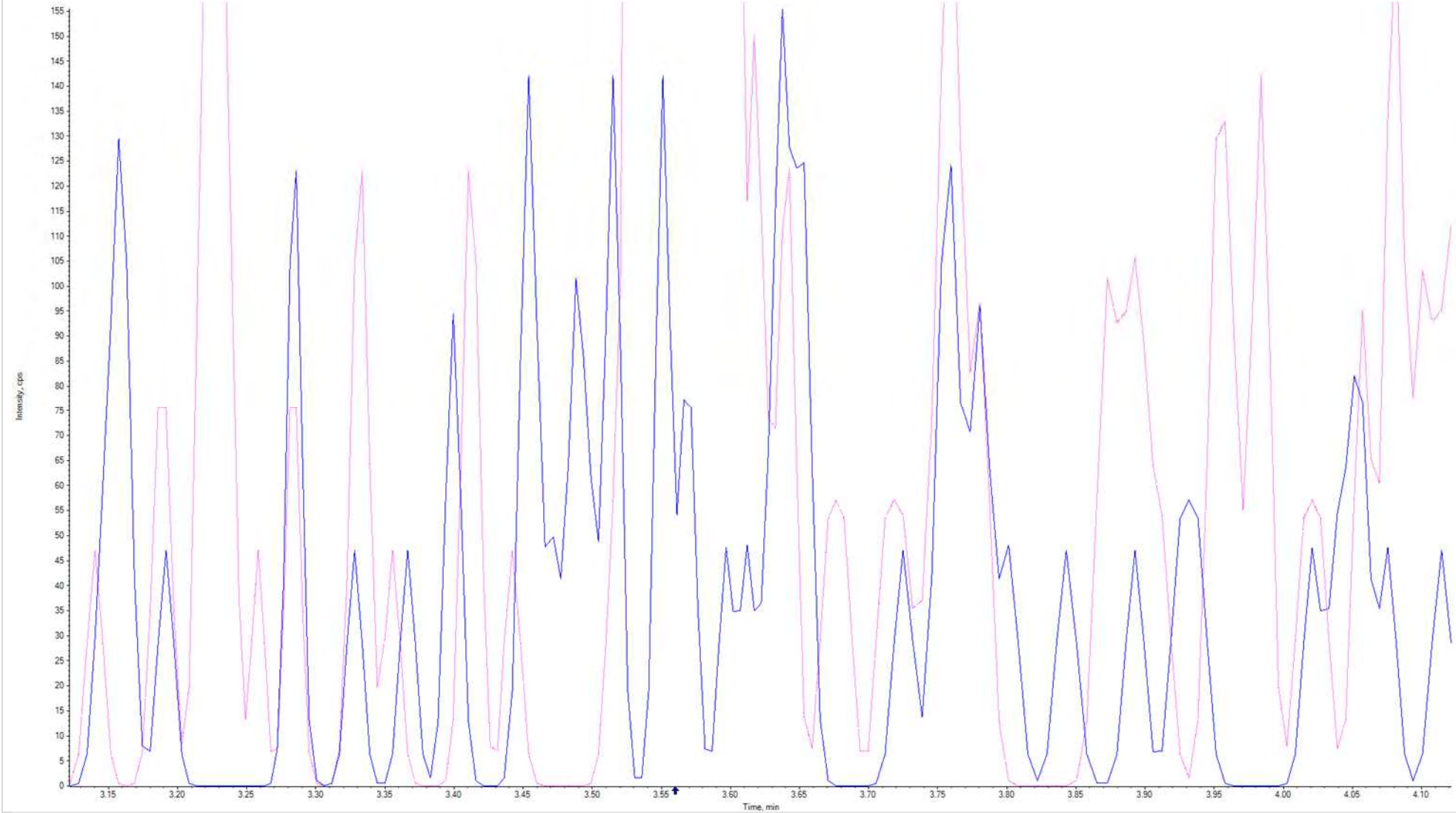
8:2FTS_2
Sample: L2467934-05 S/N:N/A Points Across peak:N/A



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PFOSA
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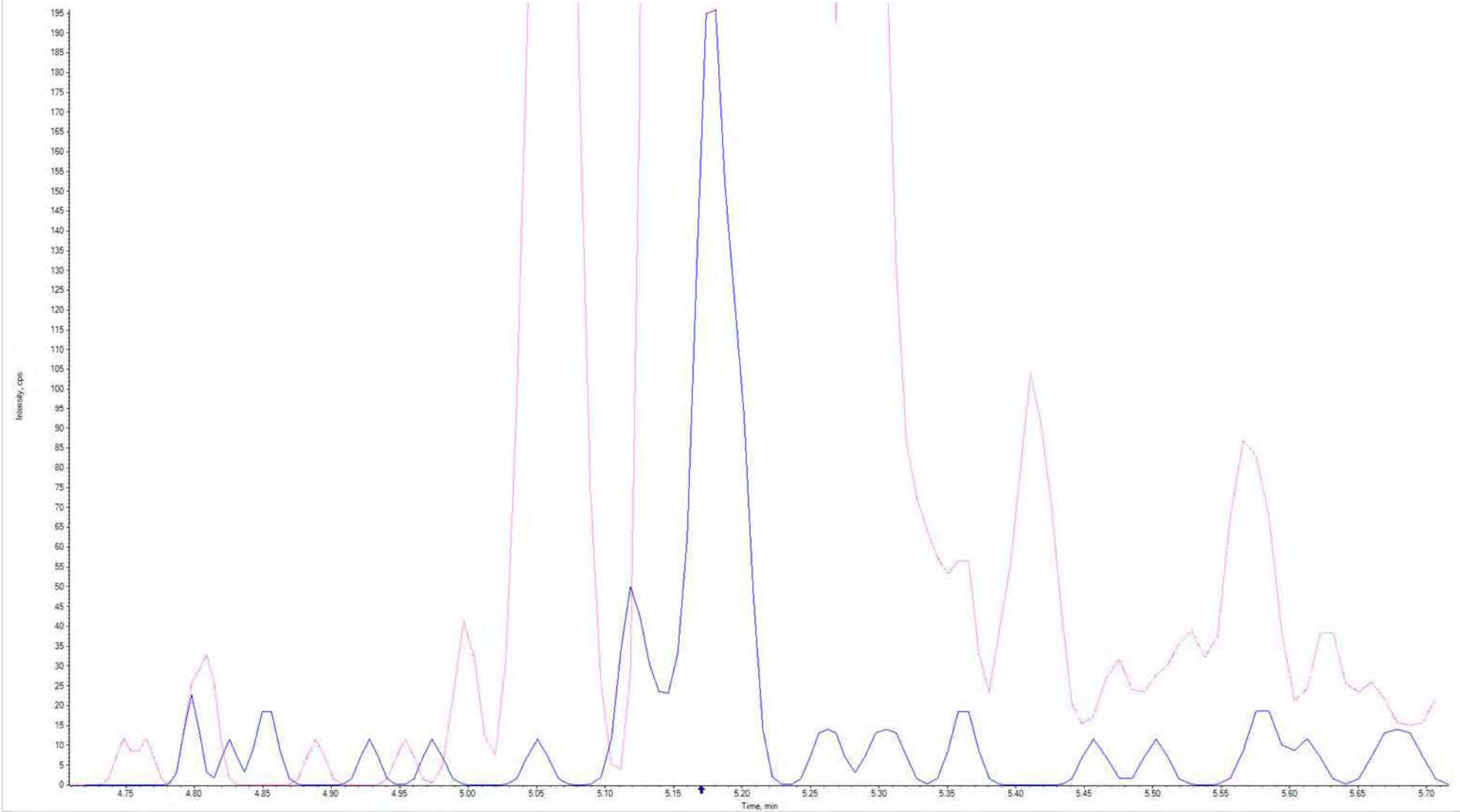

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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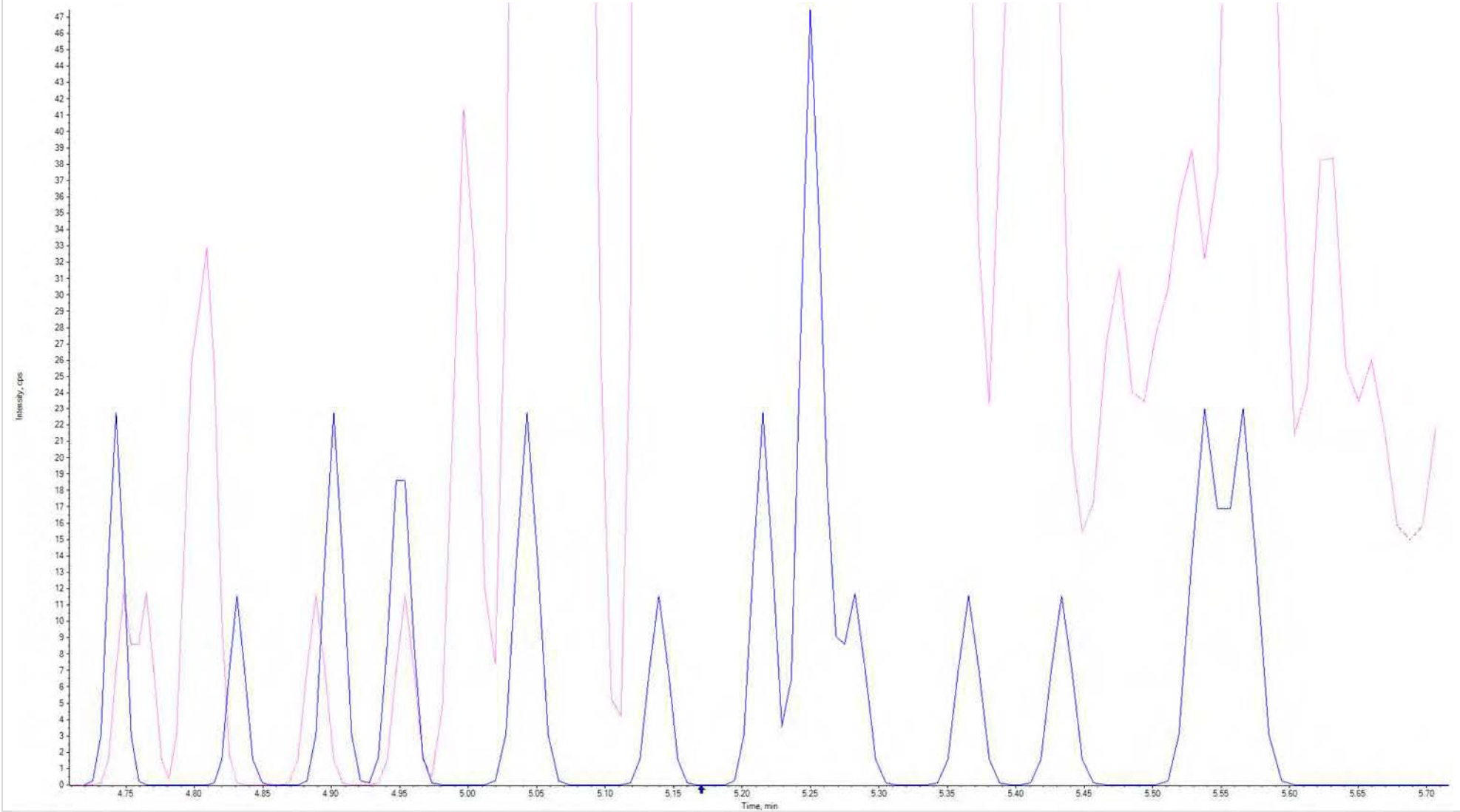
PFOSA_2
Sample: L2467934-05 S/N:N/A Points Across peak:N/A



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NMeFOSA
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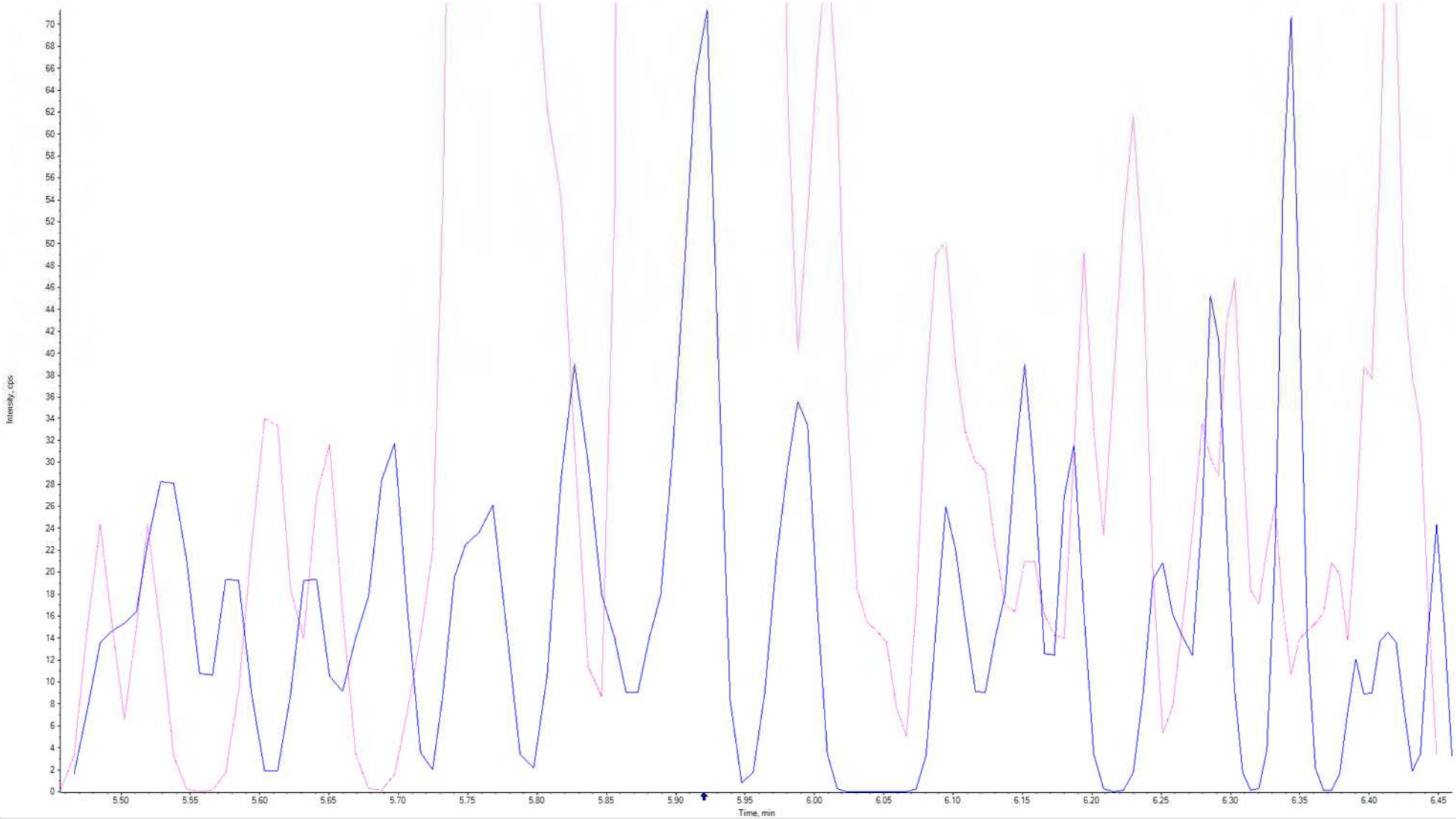

NMeFOSA_2
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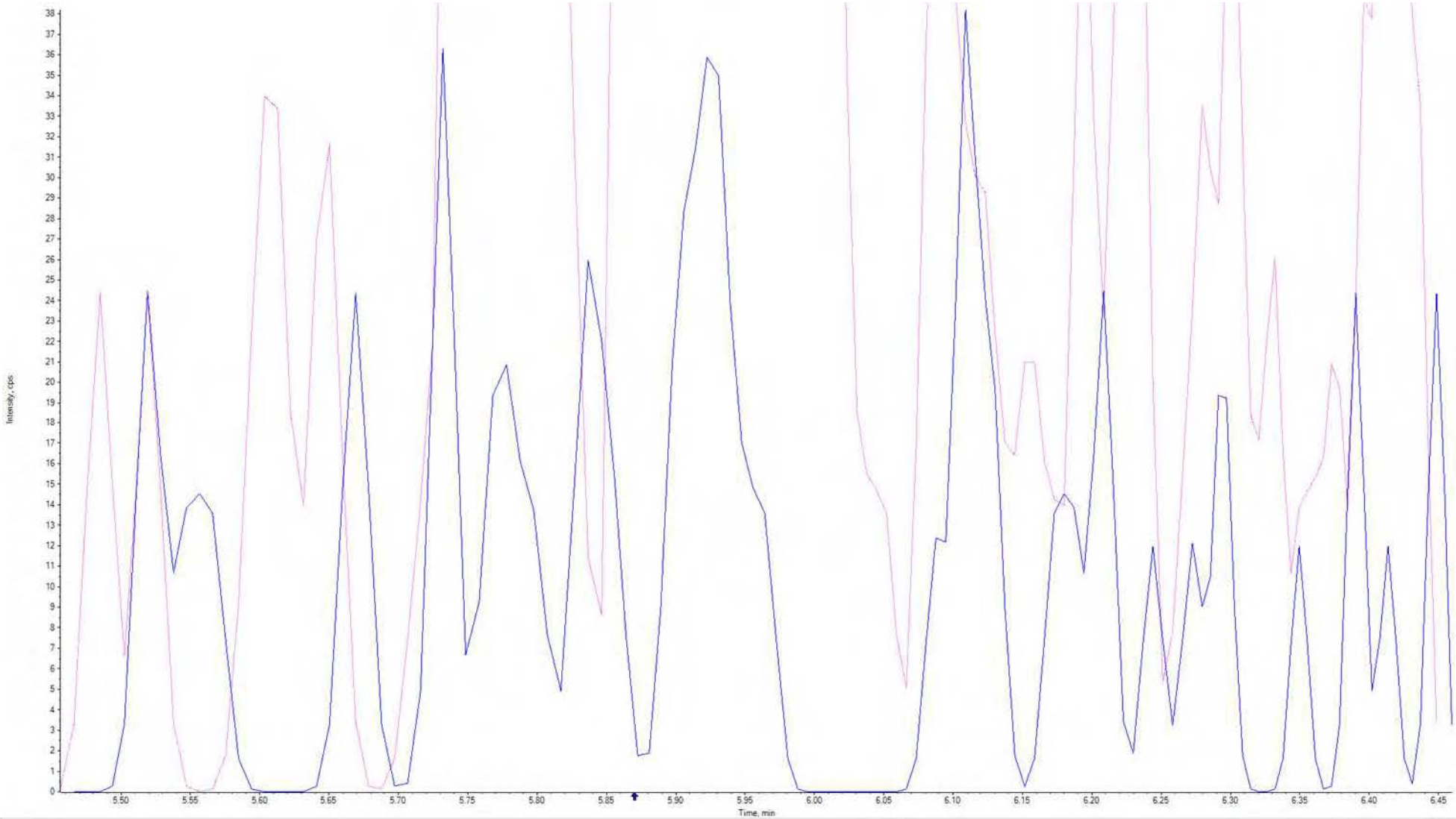

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NEtFOSA
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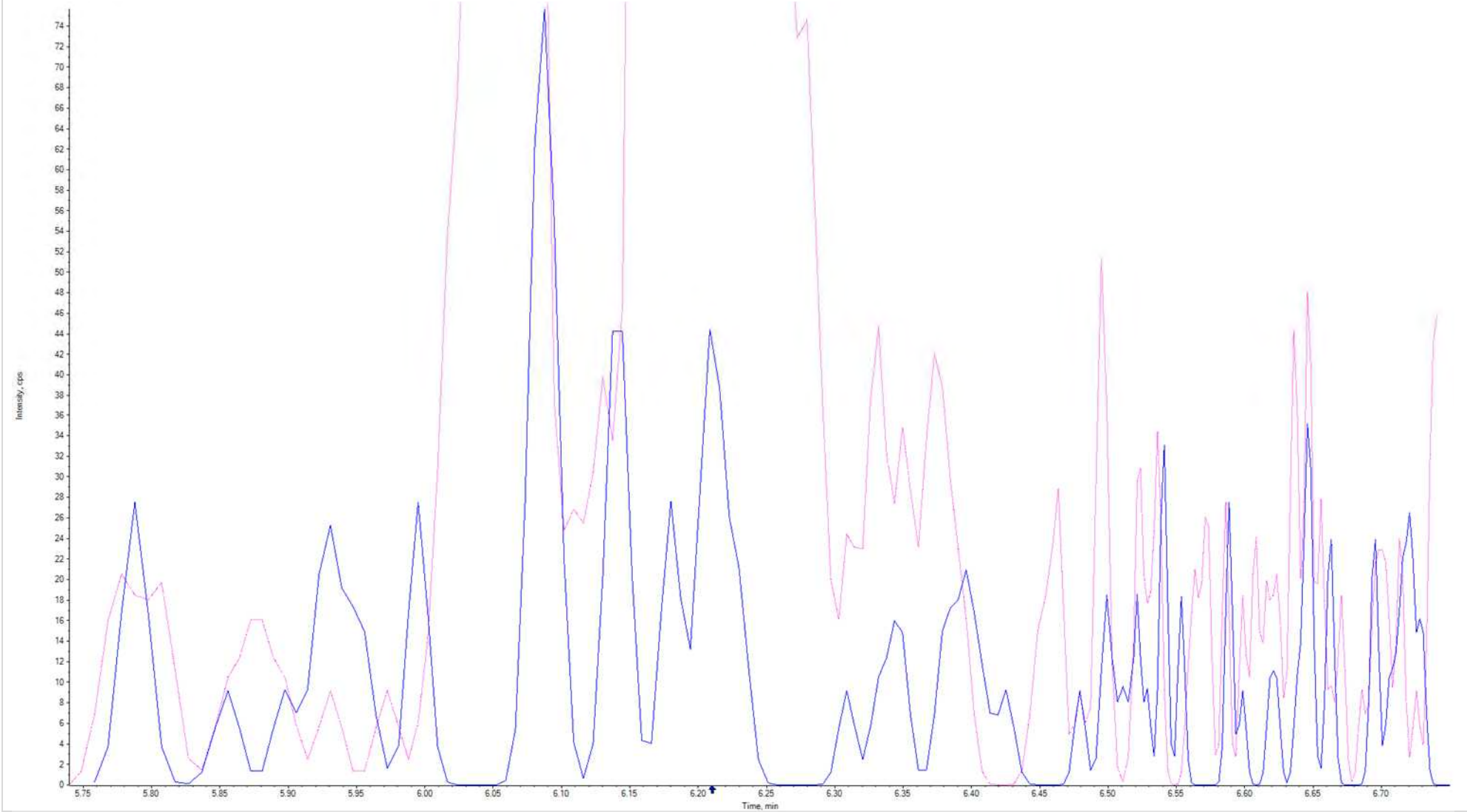

NEtFOSA_2
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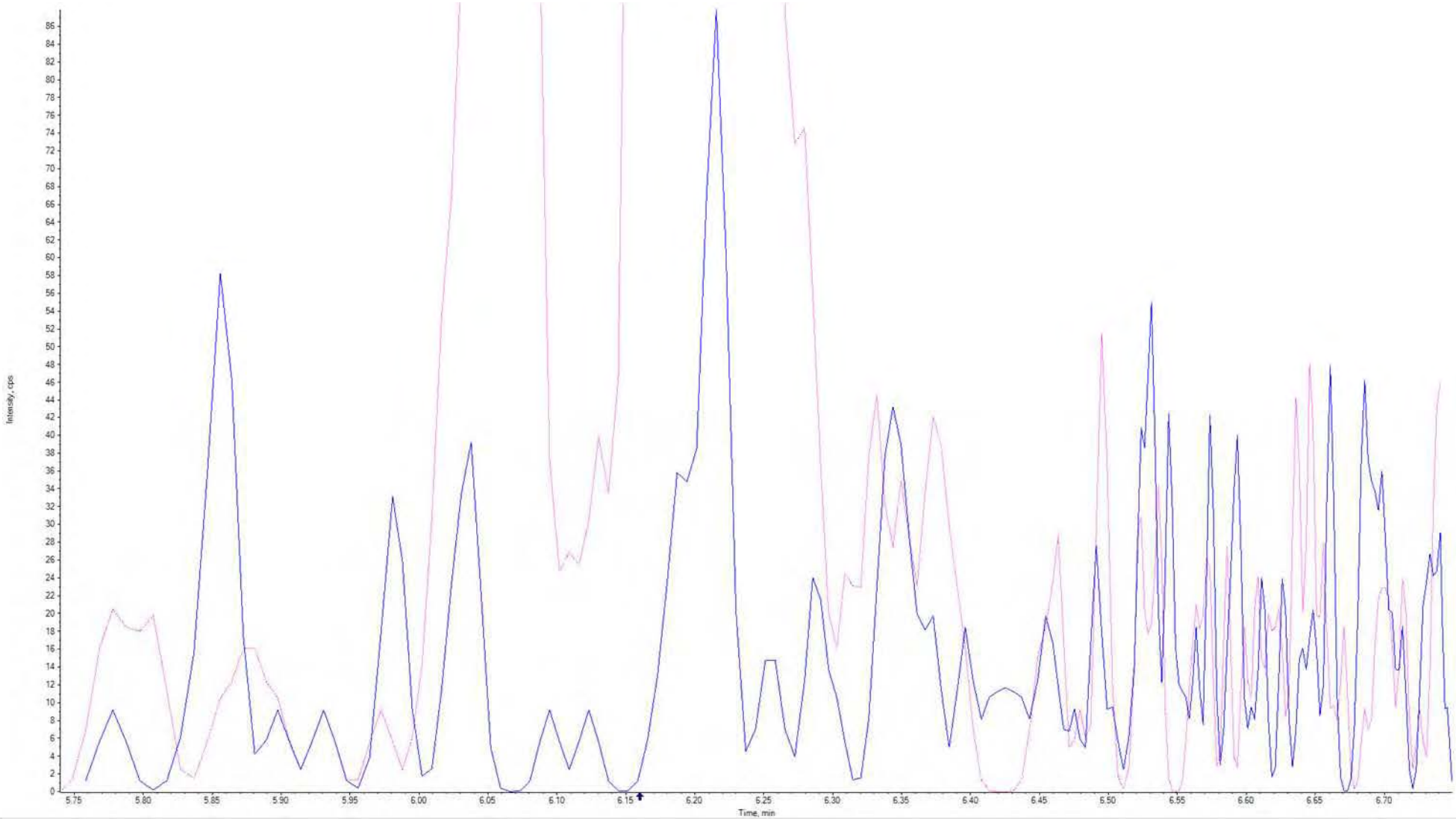

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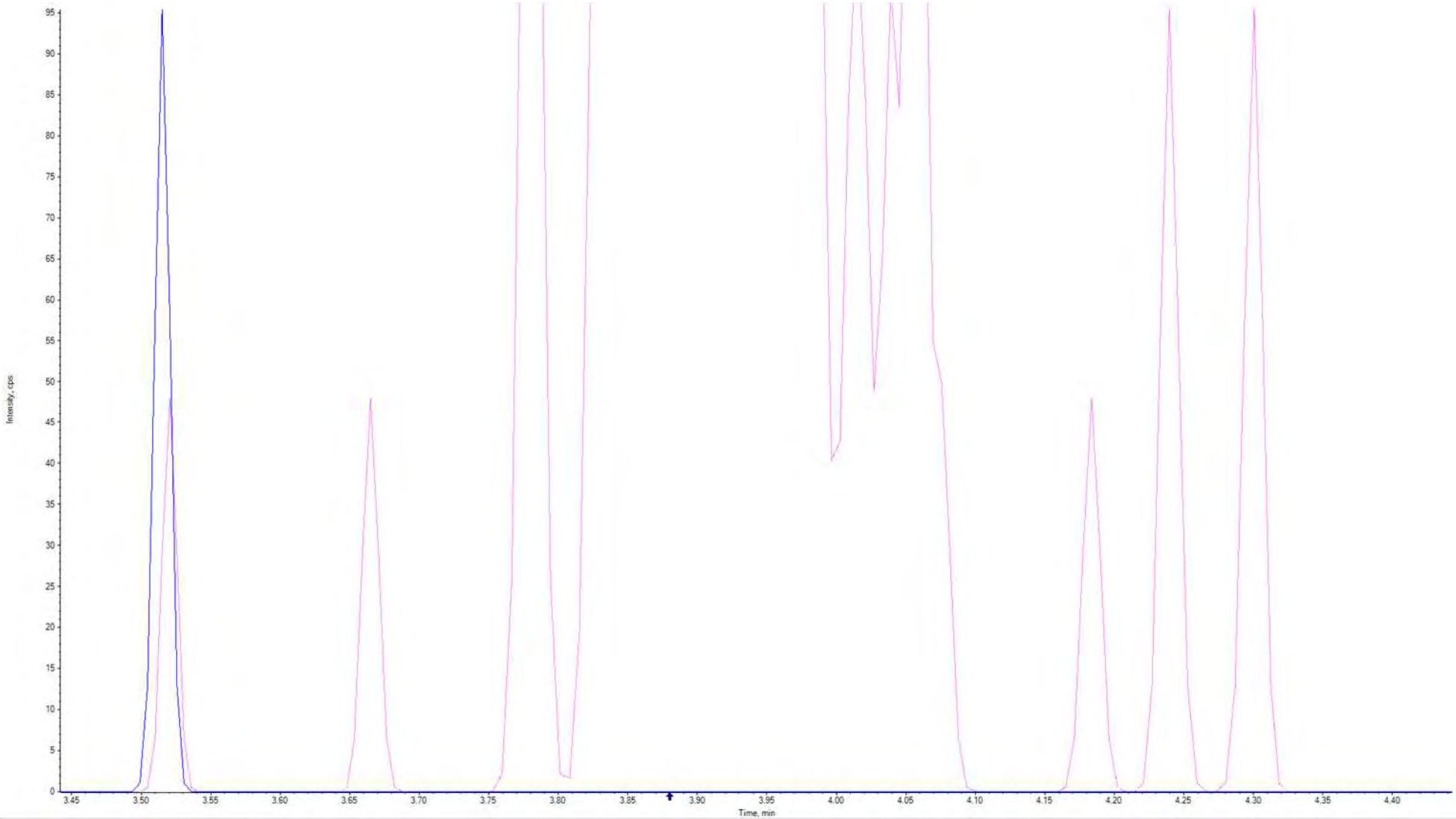

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NMeFOSAA_2
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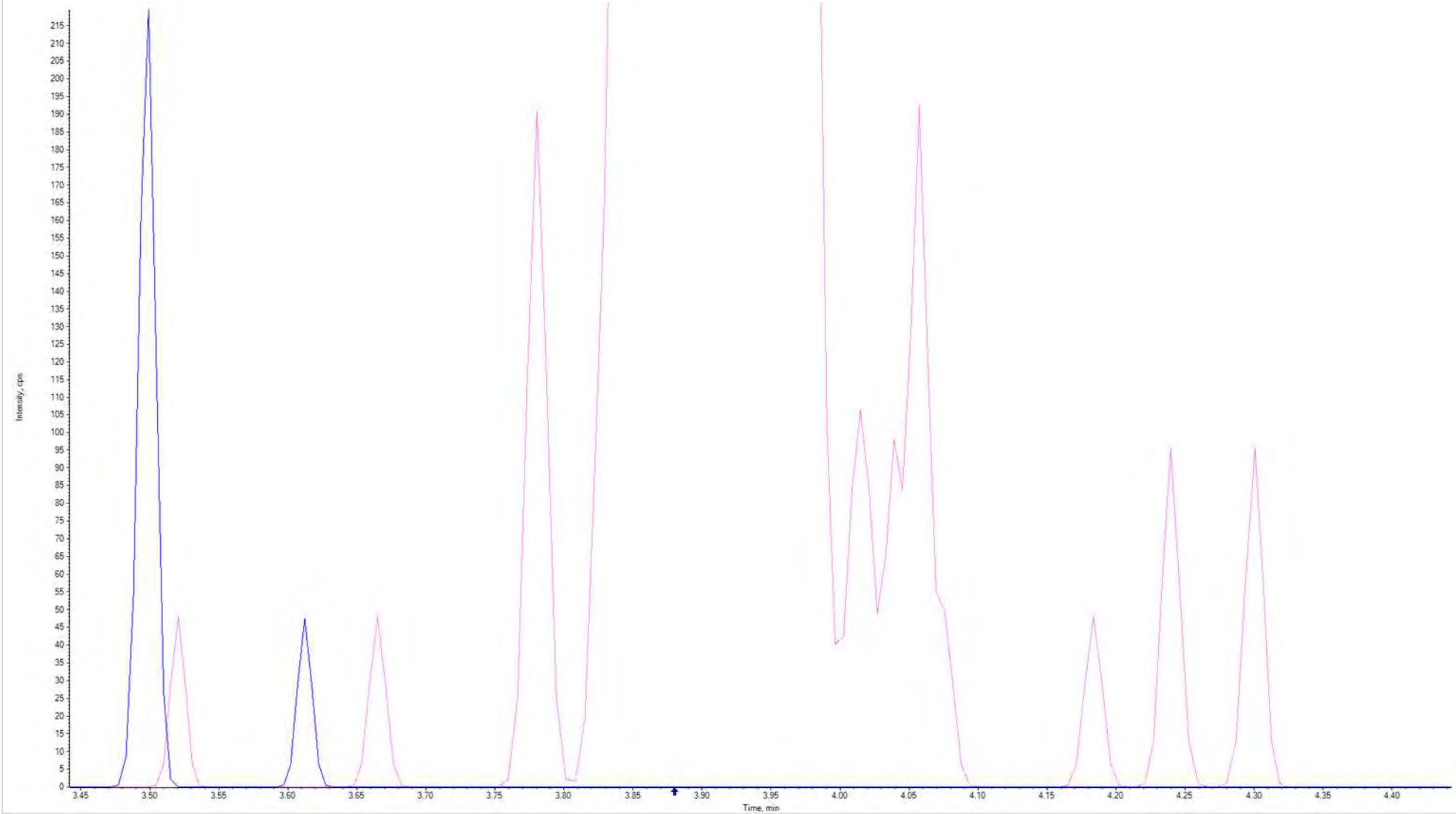

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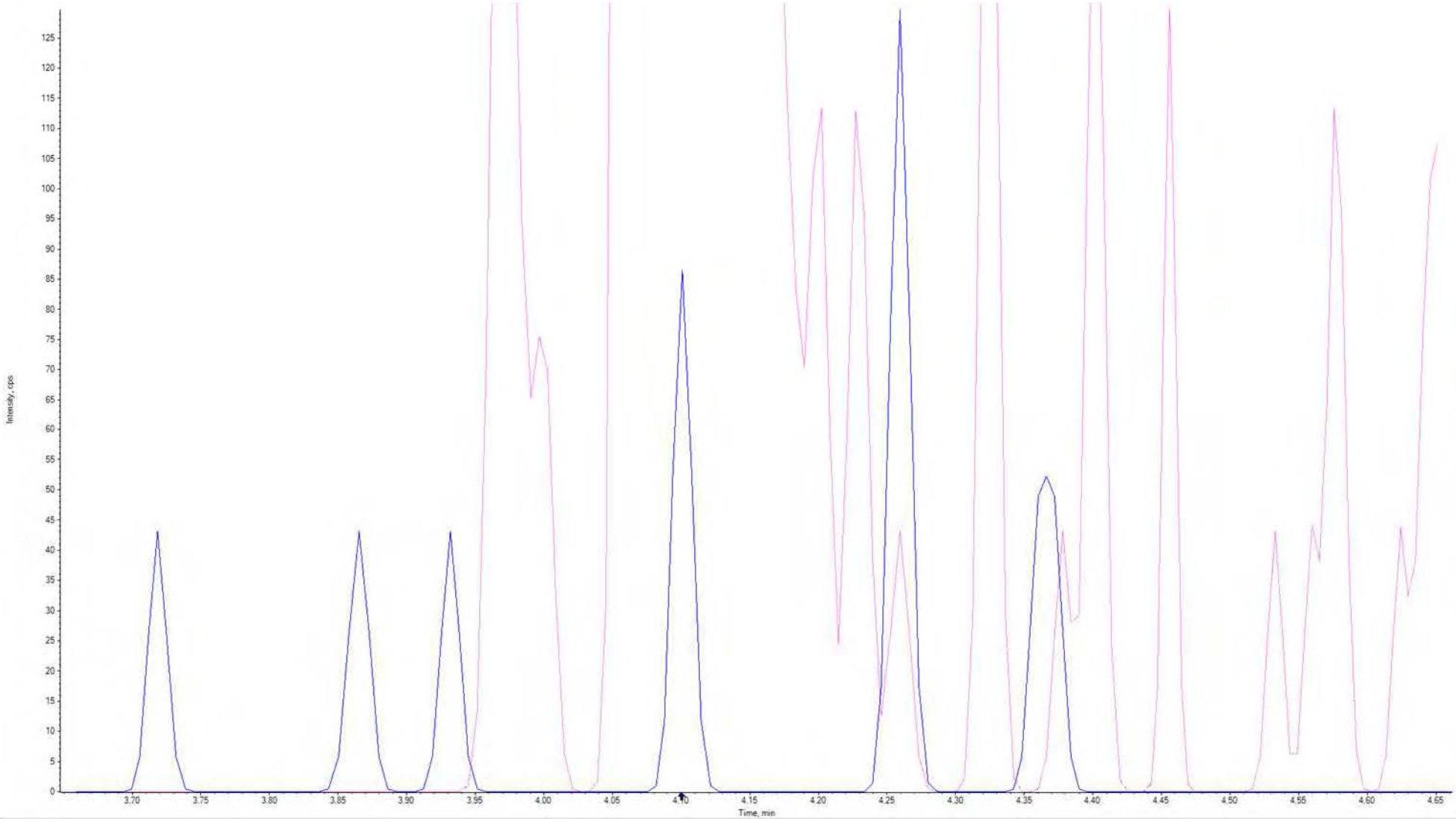

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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NEtFOSAA_2
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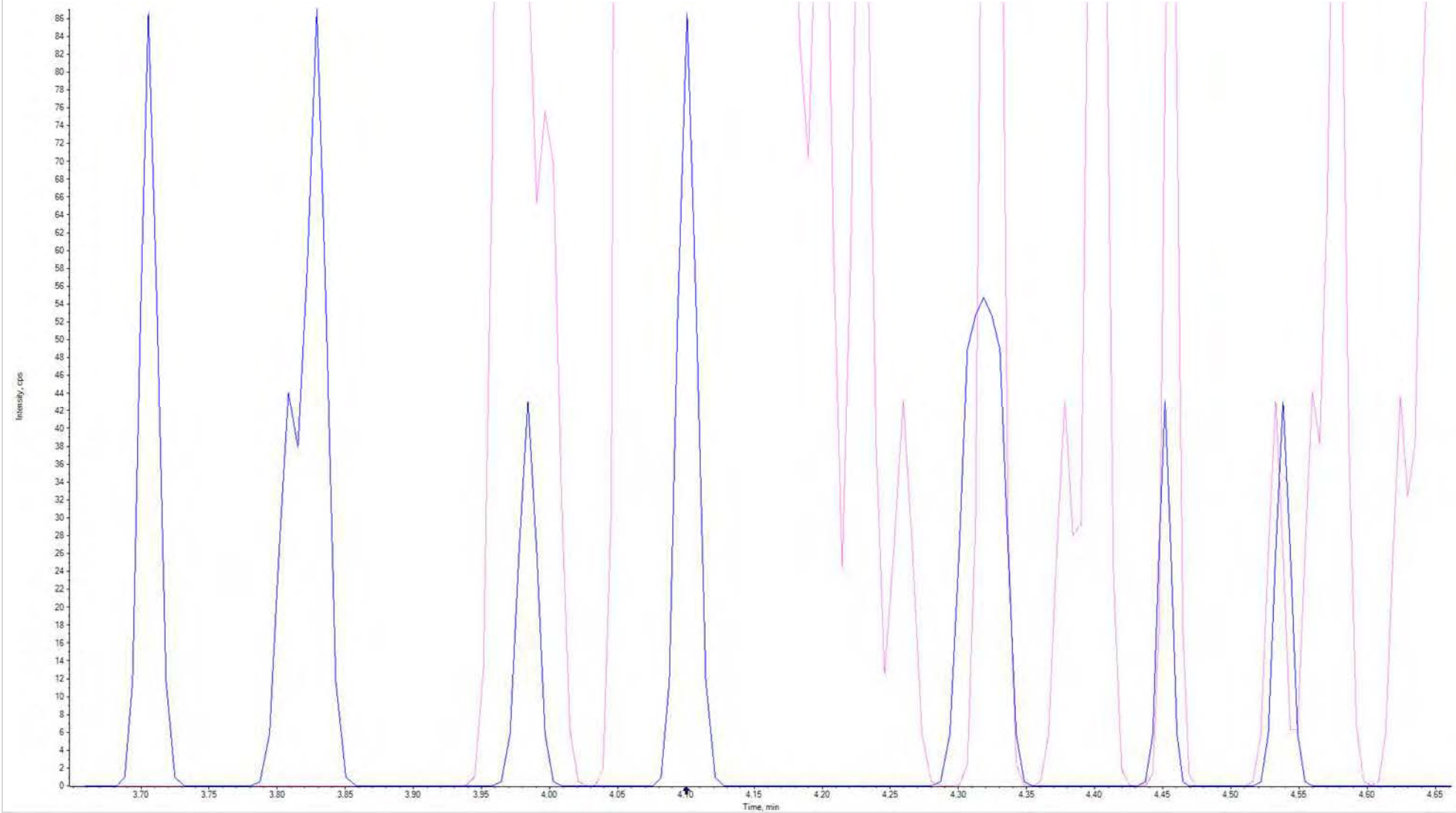

NMeFOSE
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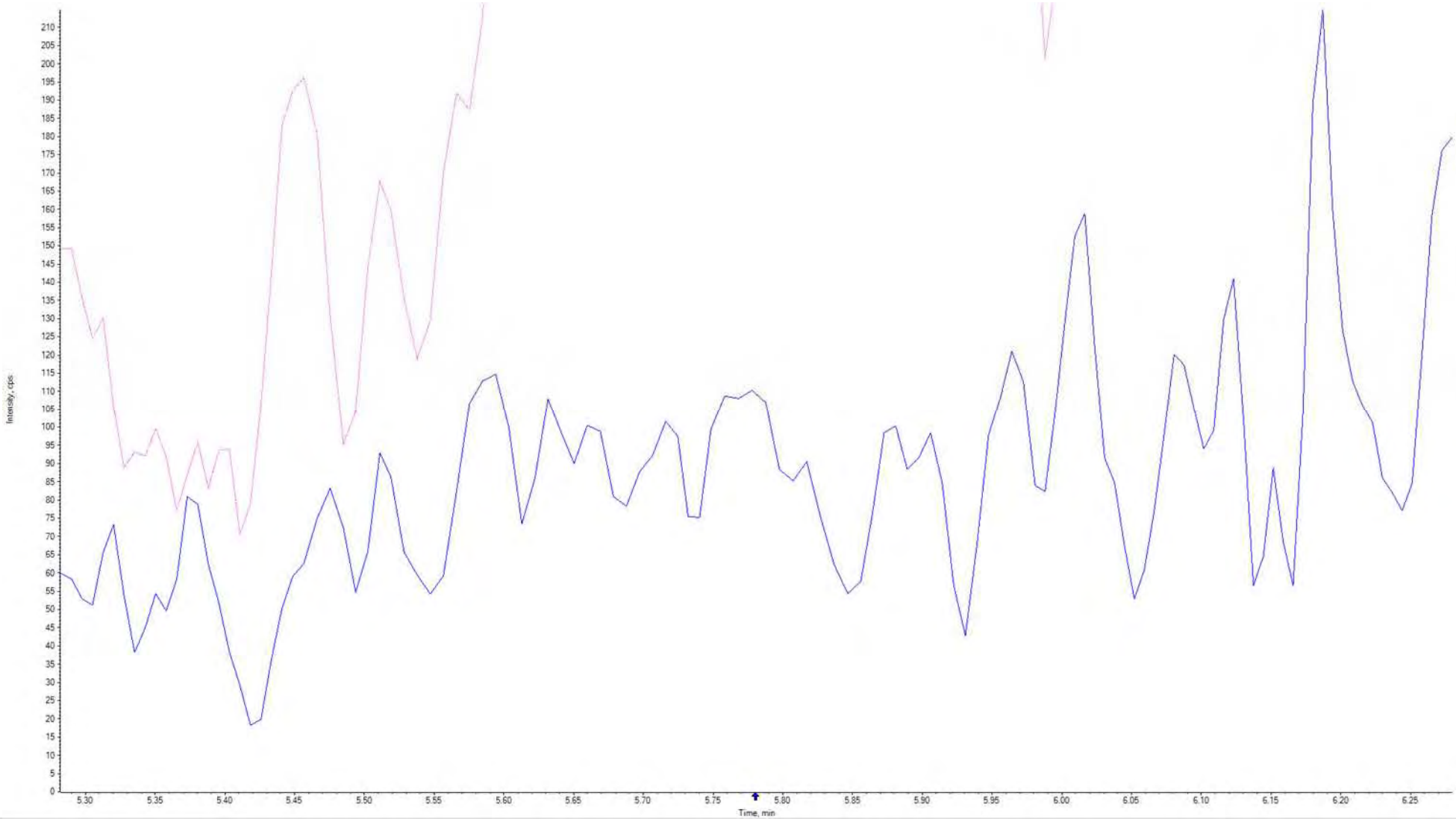

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NEtFOSE
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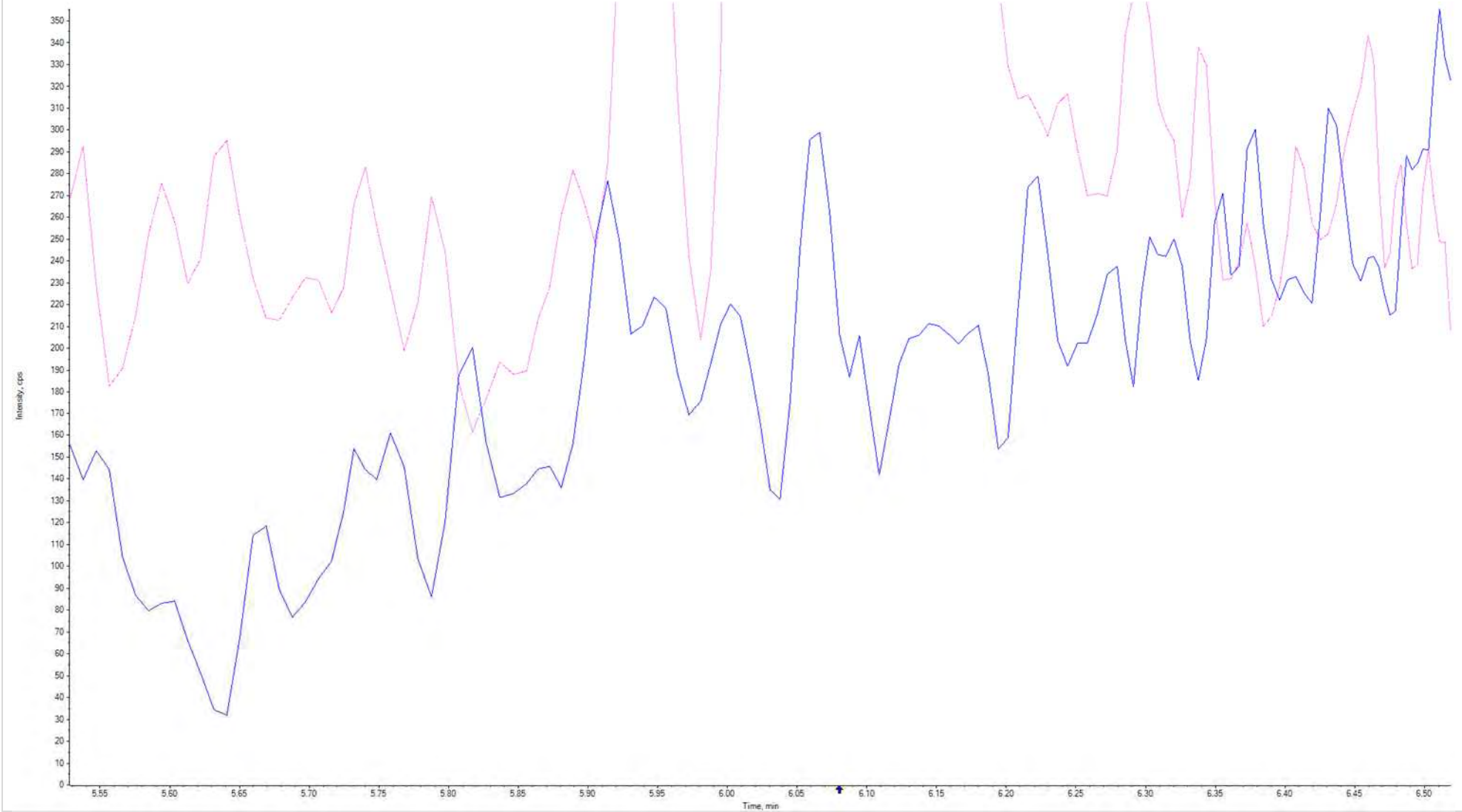

HFPO-DA
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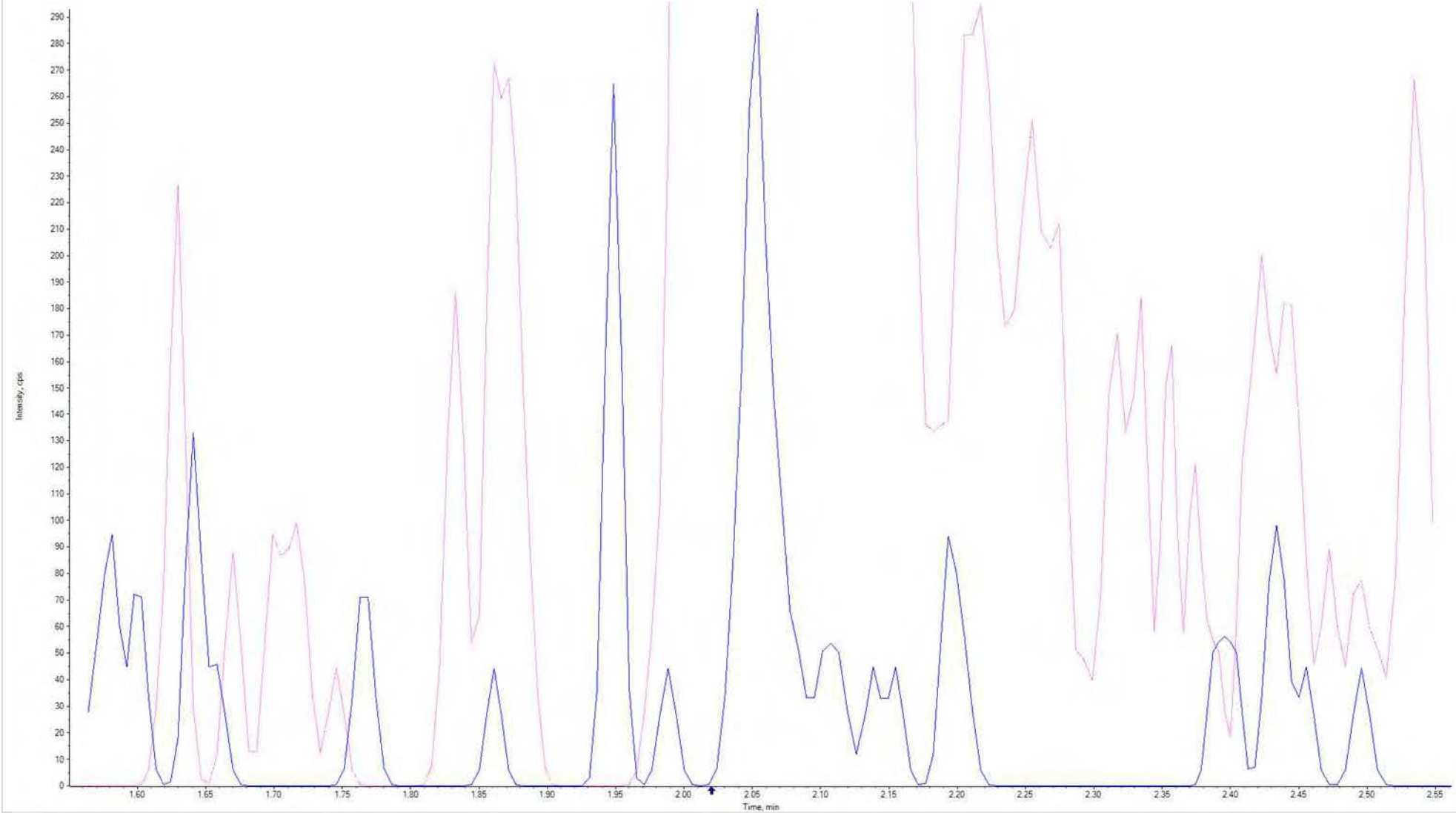

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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HFPO-DA_2
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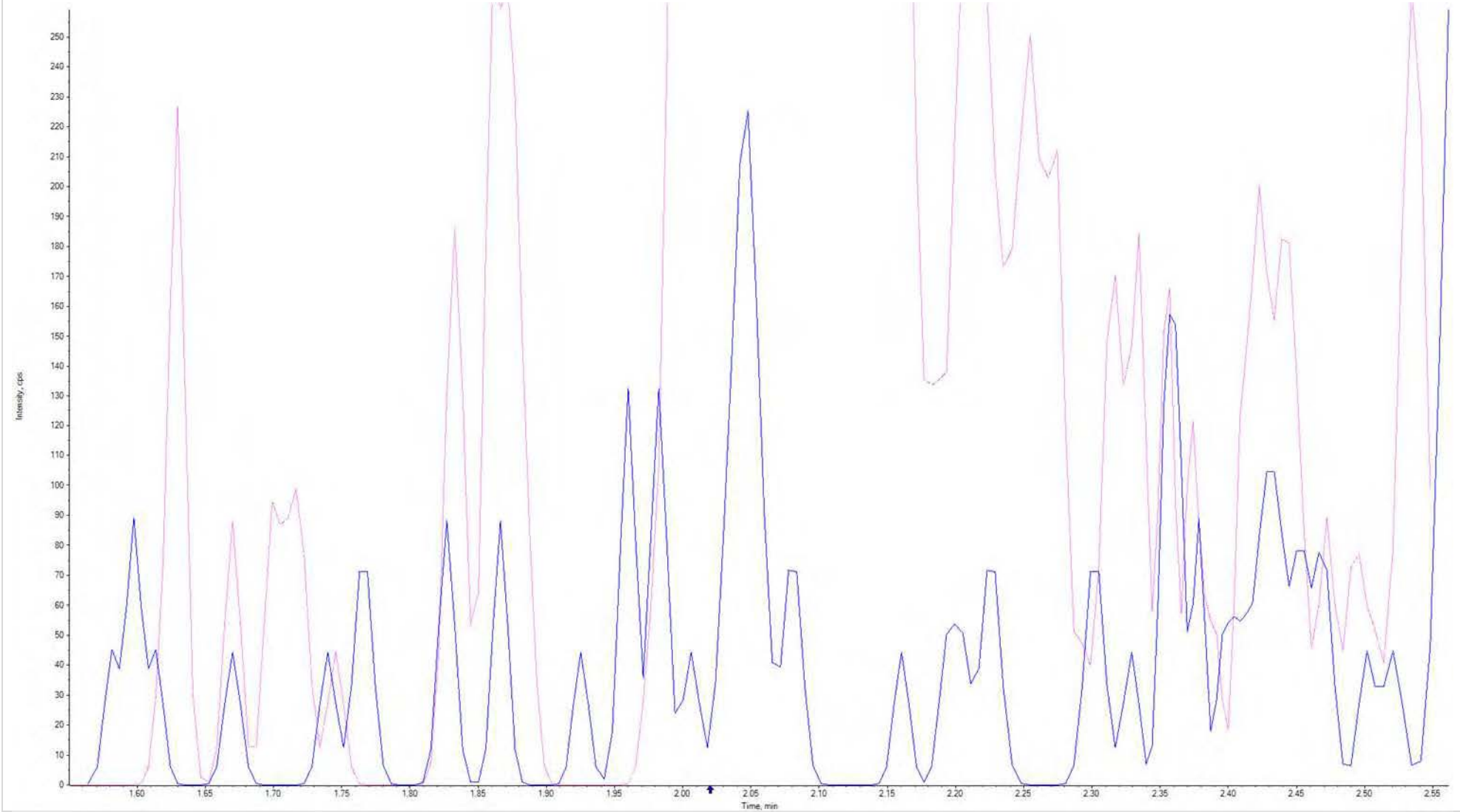

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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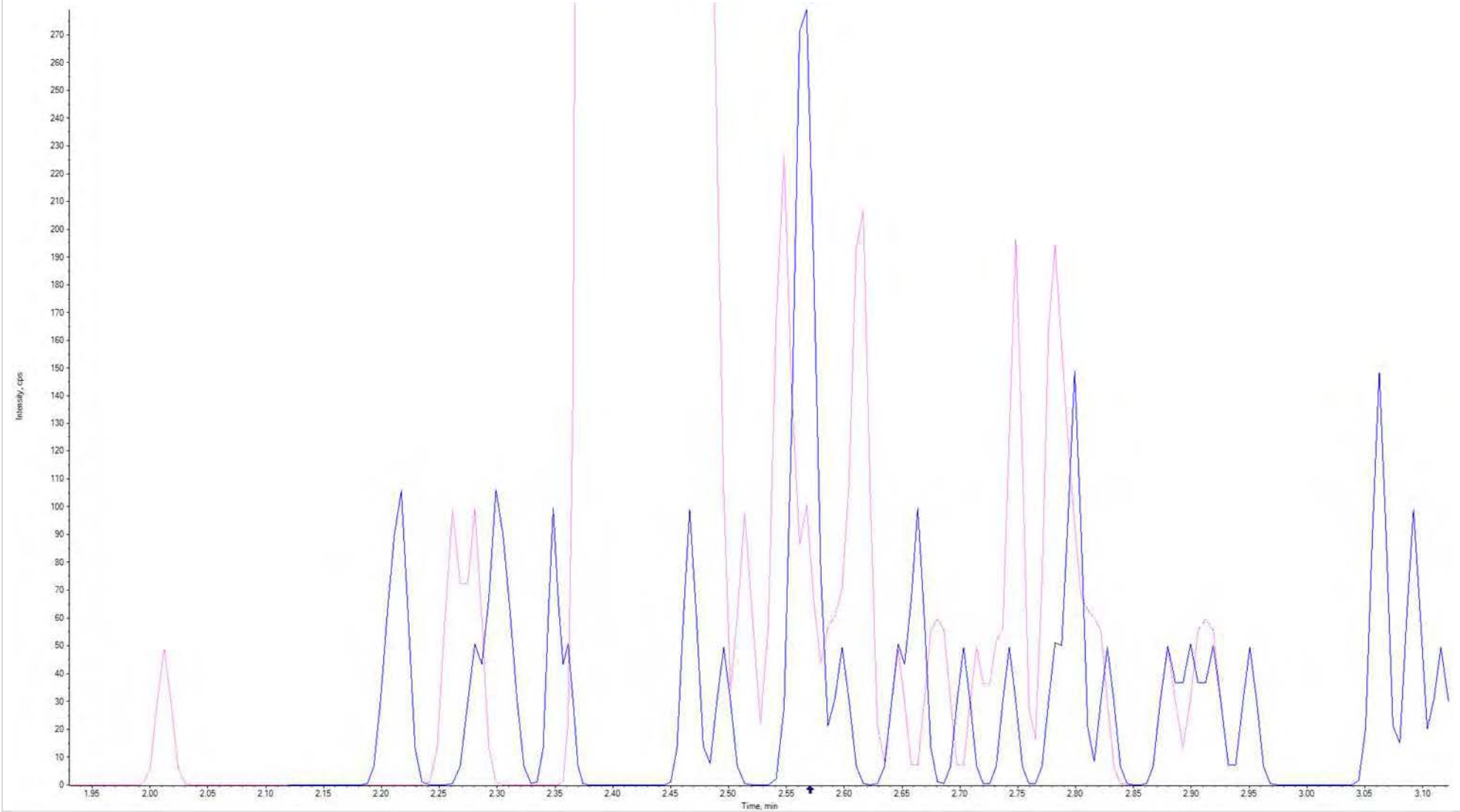
ADONA
Sample: L2467934-05 S/N:N/A Points Across peak:N/A



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ADONA_2
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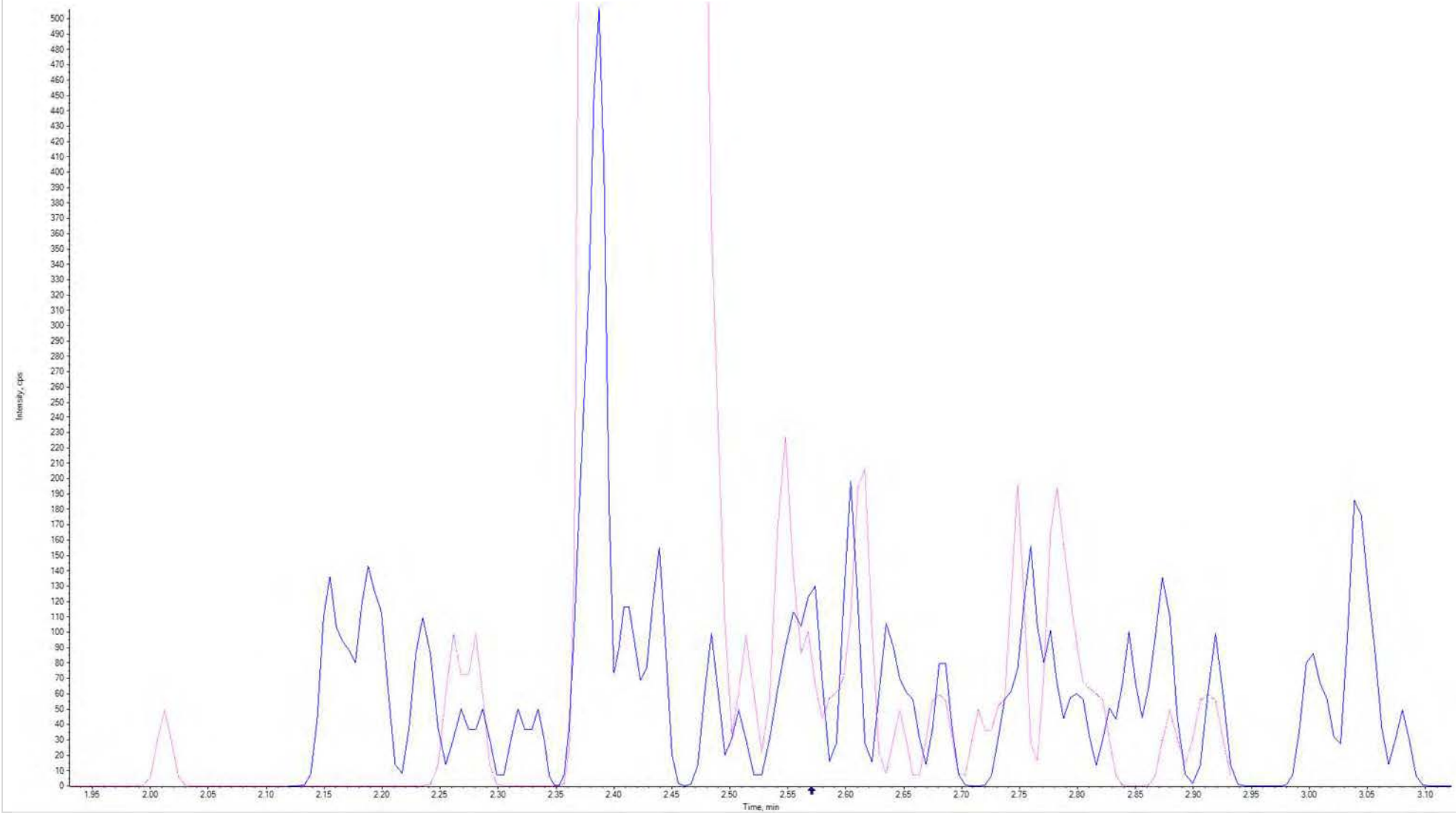

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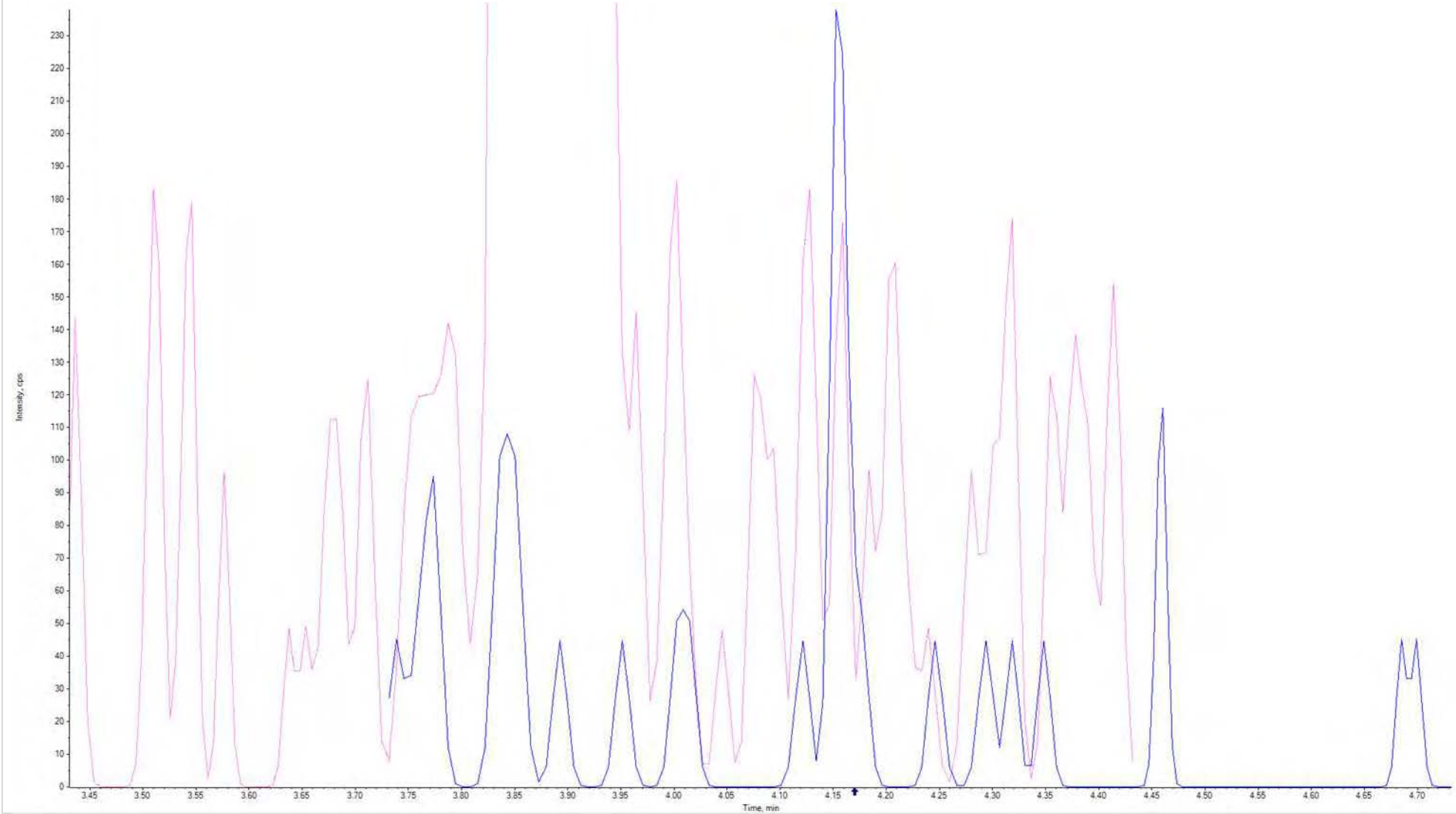
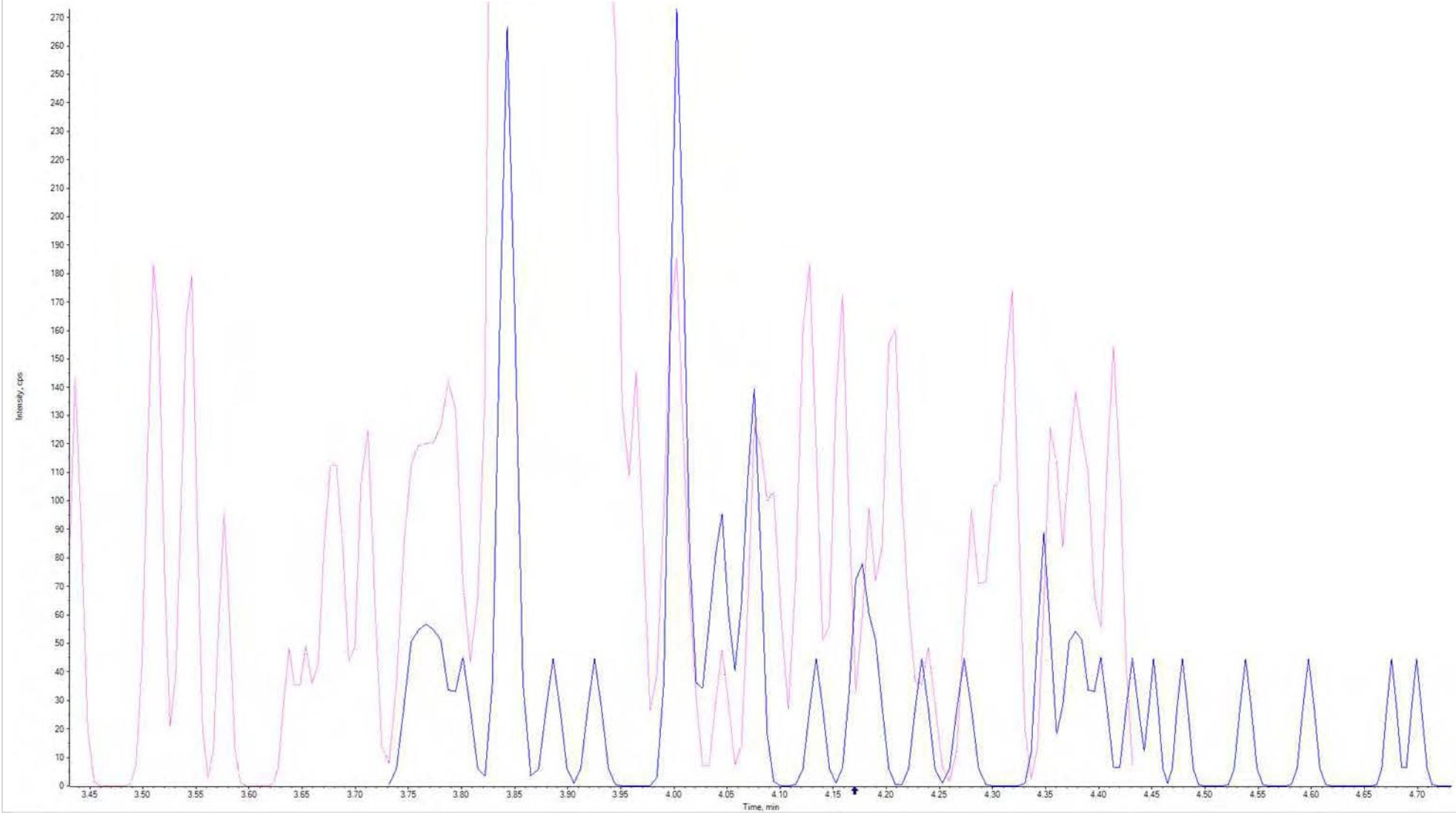
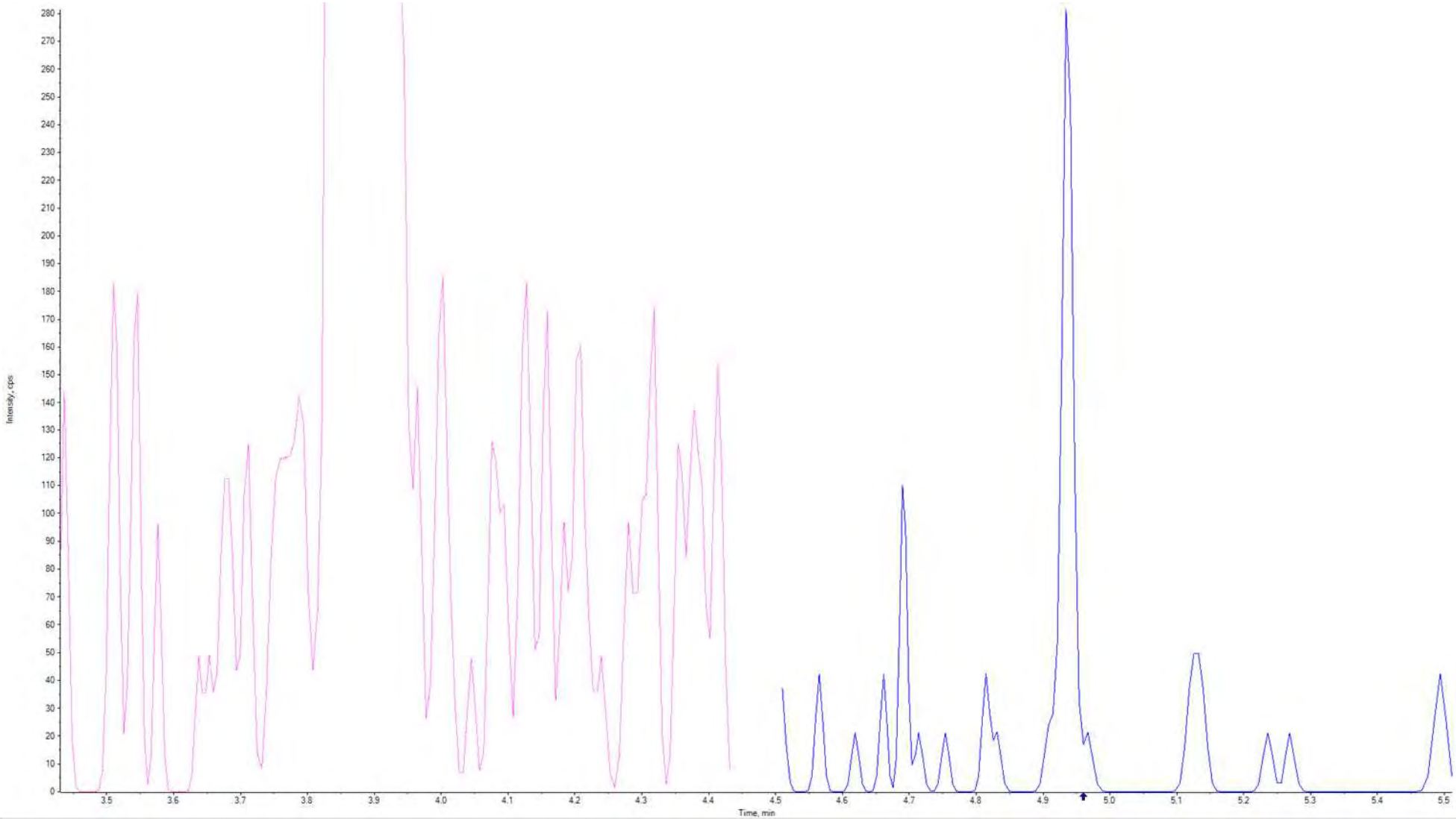
9Cl-PF3ONS
Sample: L2467934-05 S/N:N/A Points Across peak:N/A



9Cl-PF3ONS_2
Sample: L2467934-05 S/N:N/A Points Across peak:N/A



11Cl-PF3OUdS
Sample: L2467934-05 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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11Cl-PF3OUdS_2
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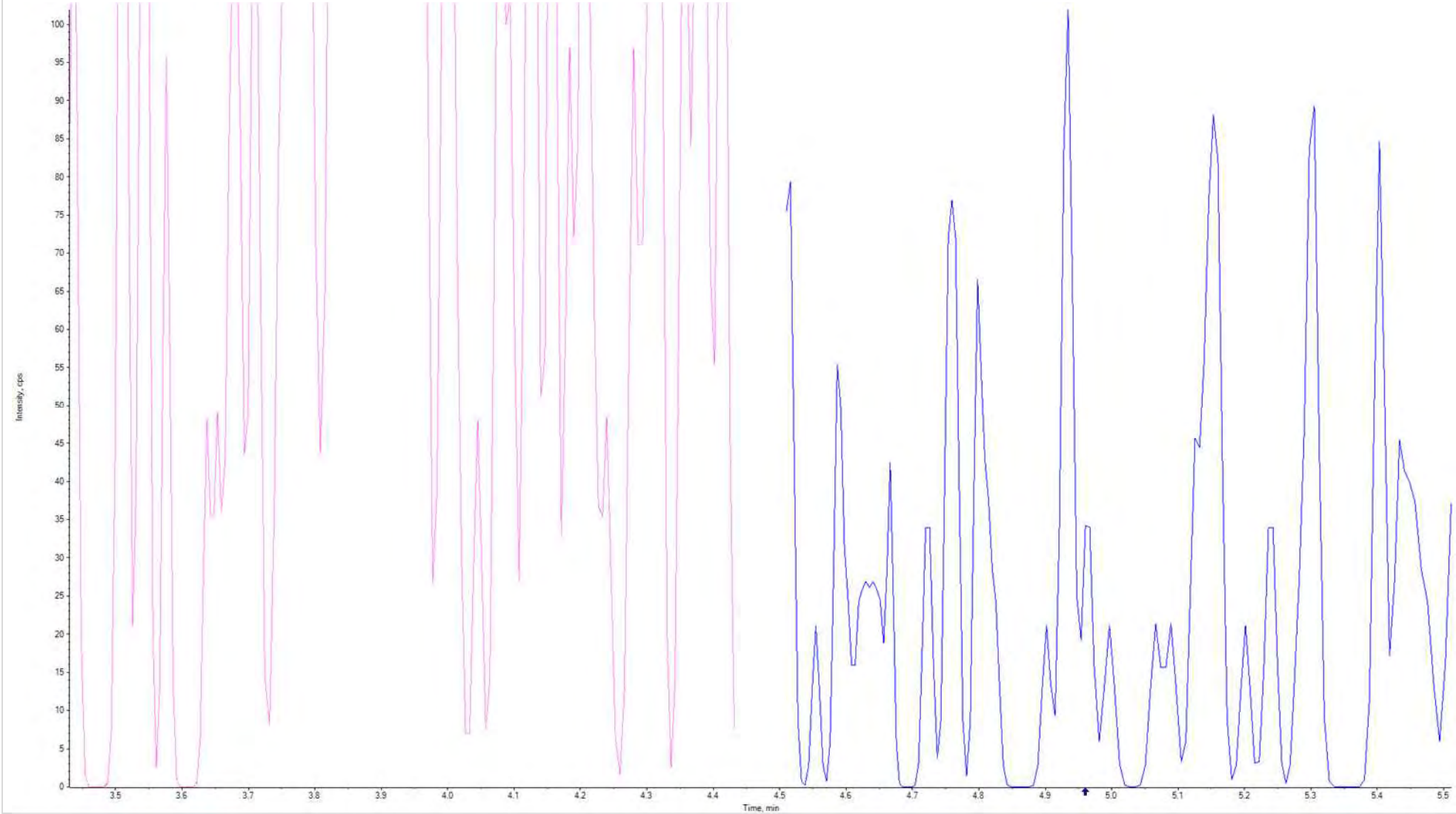

3:3FTCA
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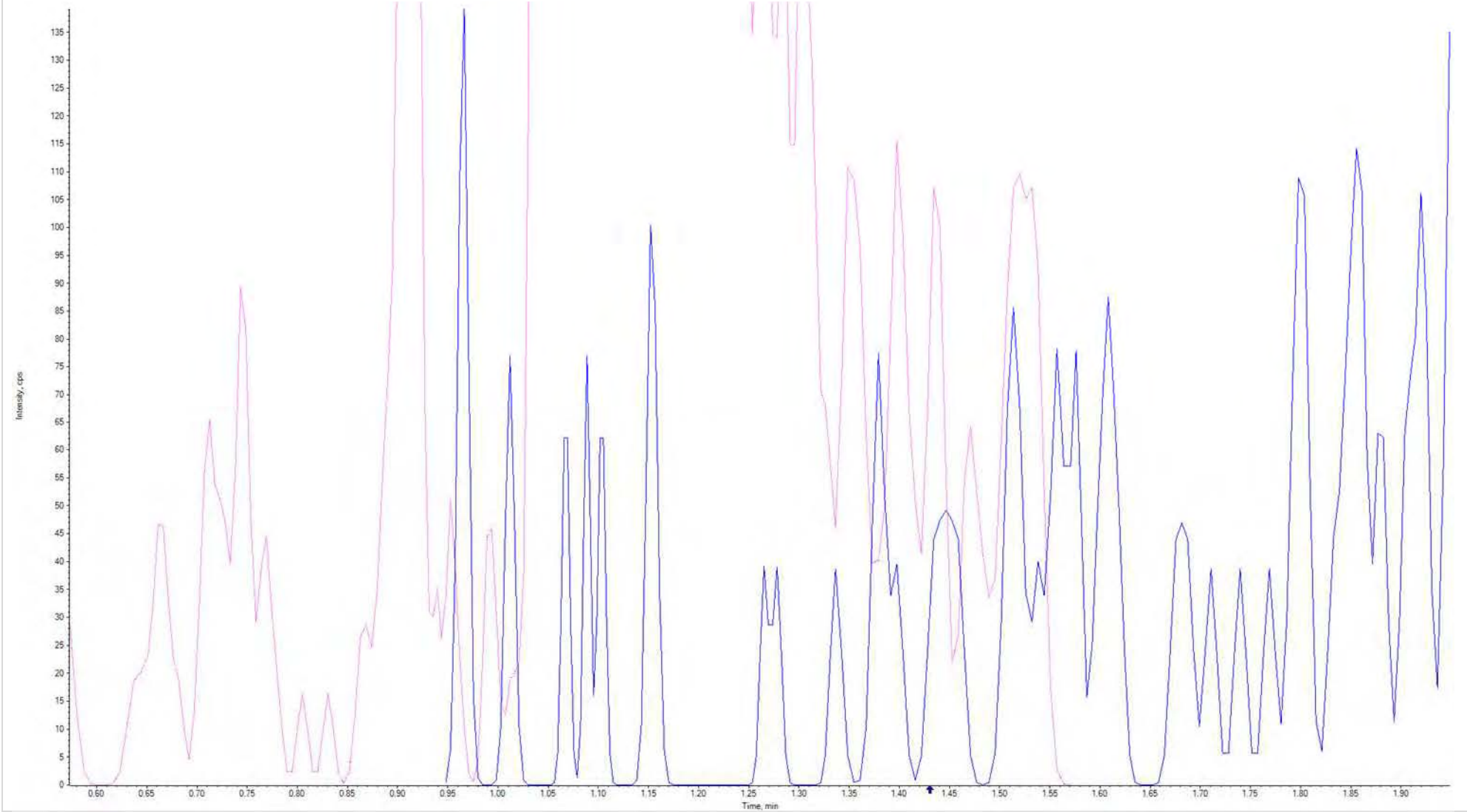

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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3:3FTCA_2
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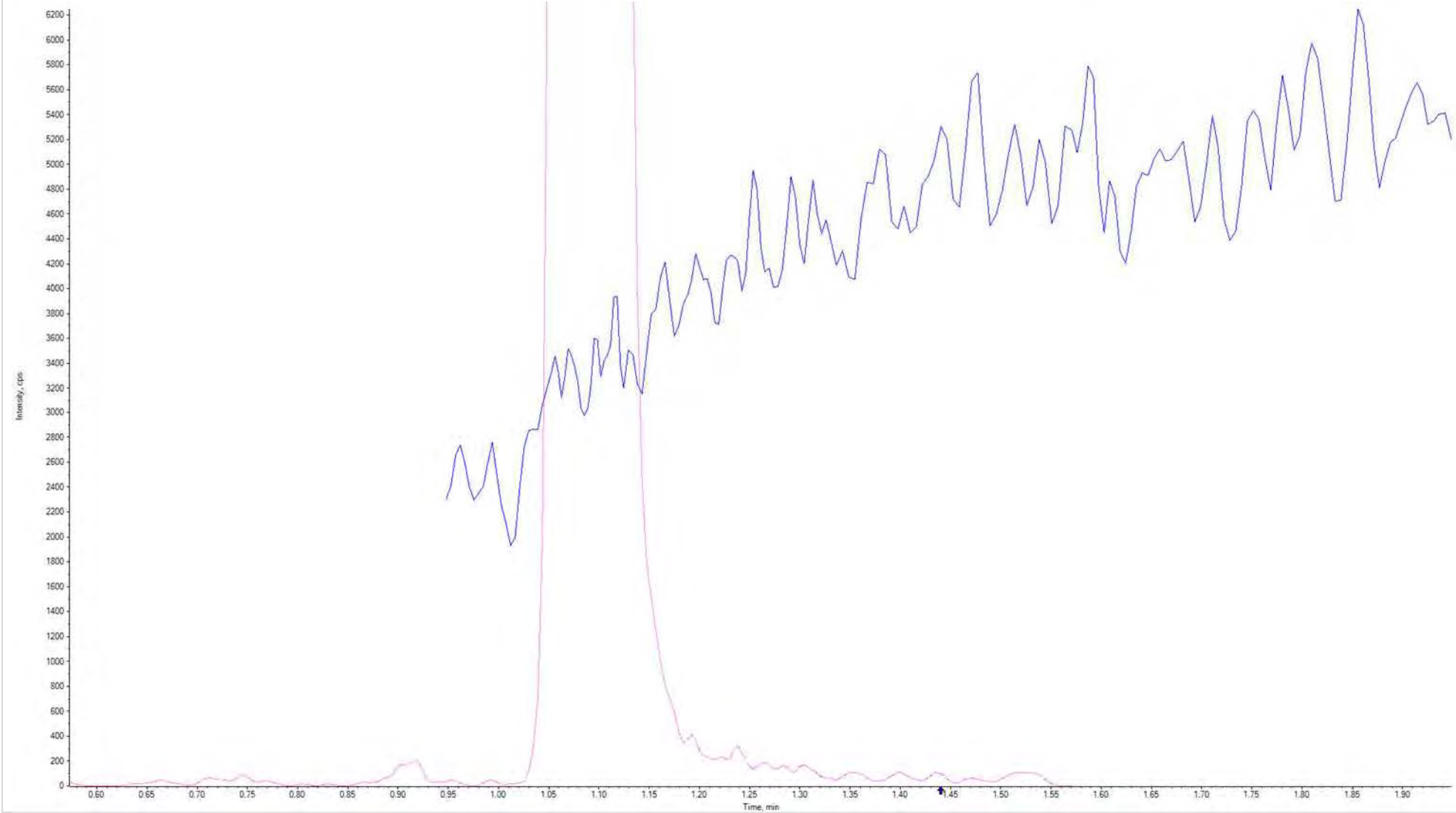
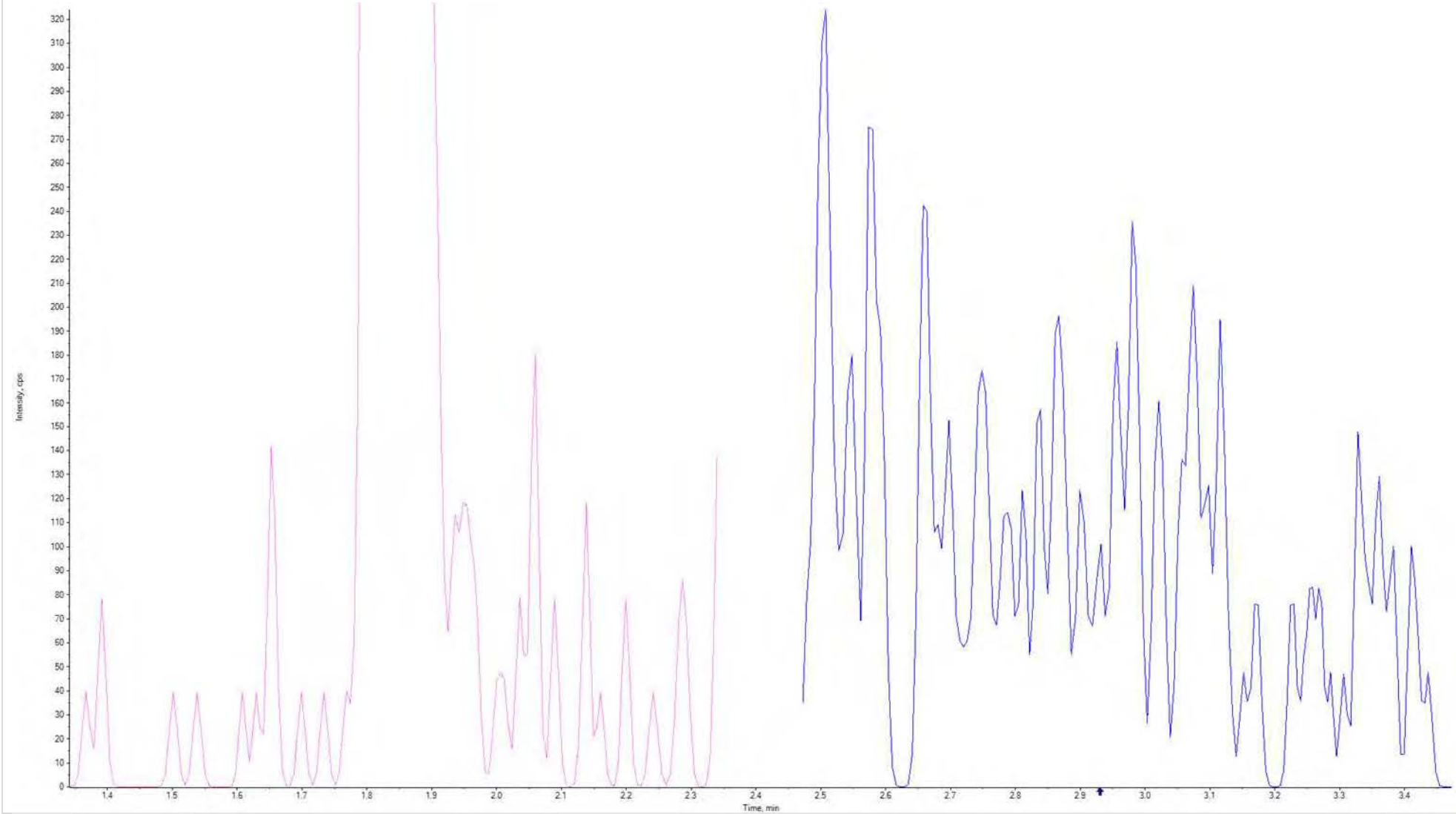
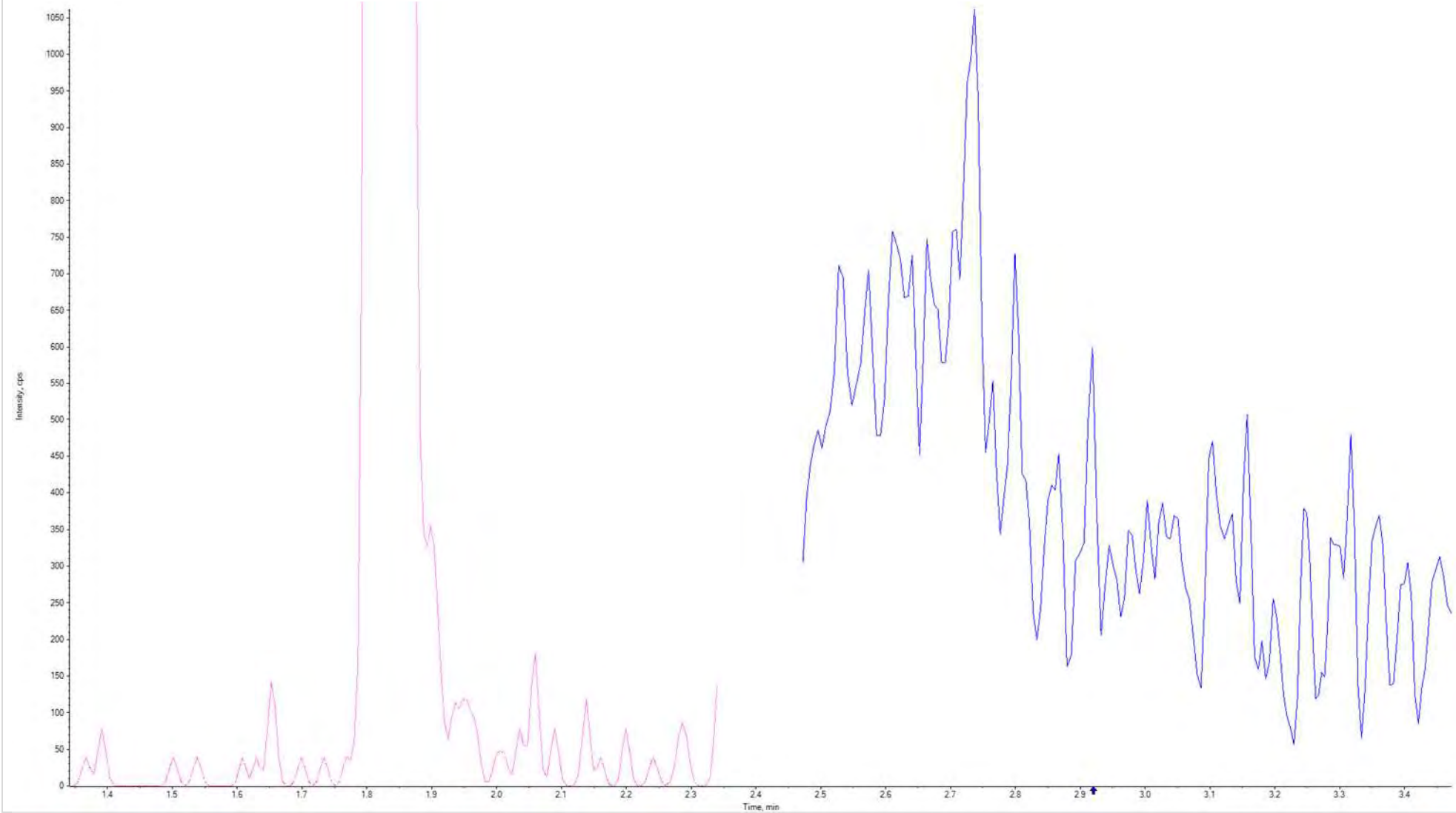


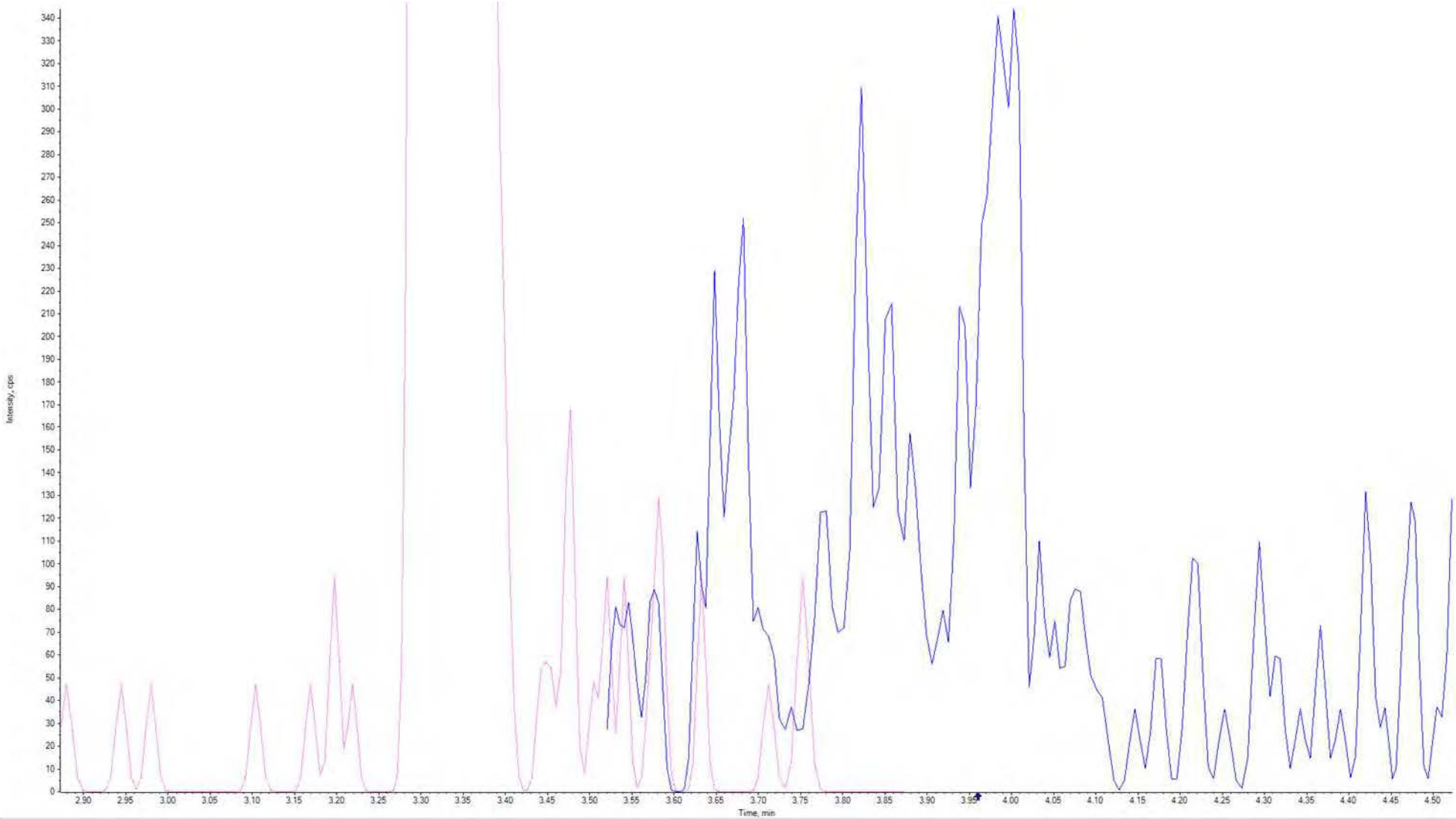
5:3FTCA
Sample: L2467934-05 S/N:N/A Points Across peak:N/A



5:3FTCA_2
Sample: L2467934-05 S/N:N/A Points Across peak:N/A



7:3FTCA
Sample: L2467934-05 S/N:N/A Points Across peak:N/A



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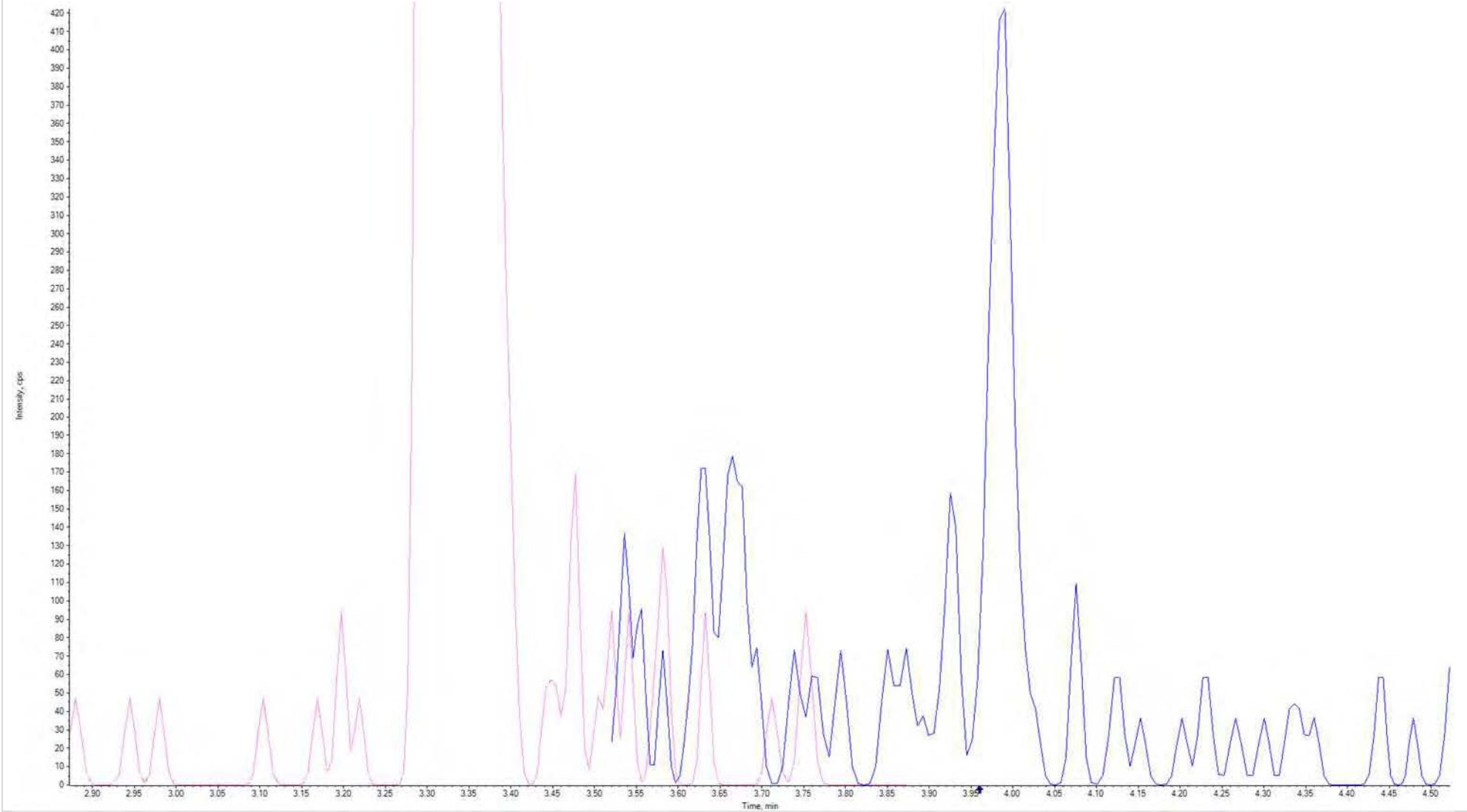
7:3FTCA_2
Sample: L2467934-05 S/N:N/A Points Across peak:N/A



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PFEESA
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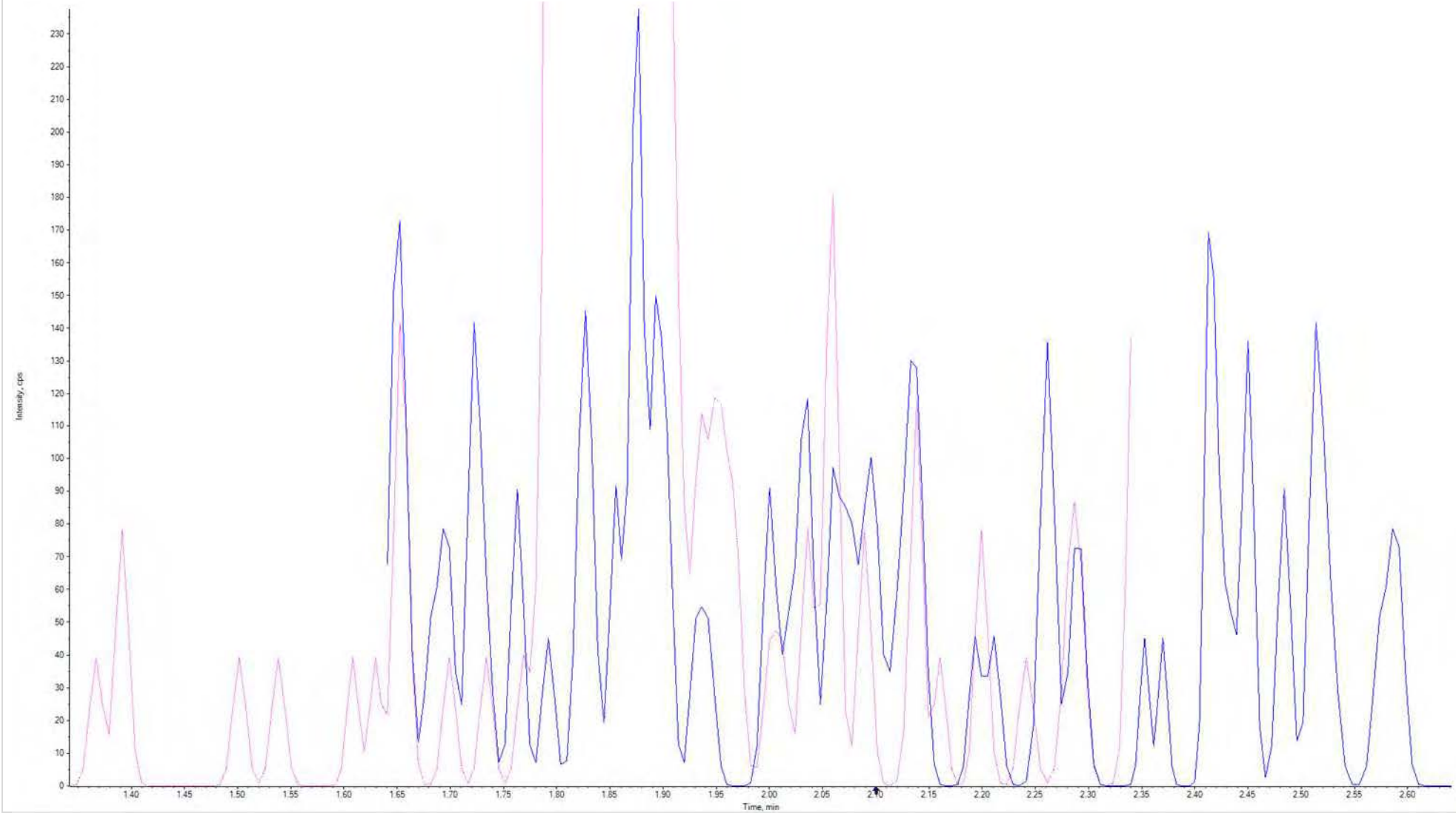

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PFEESA_2
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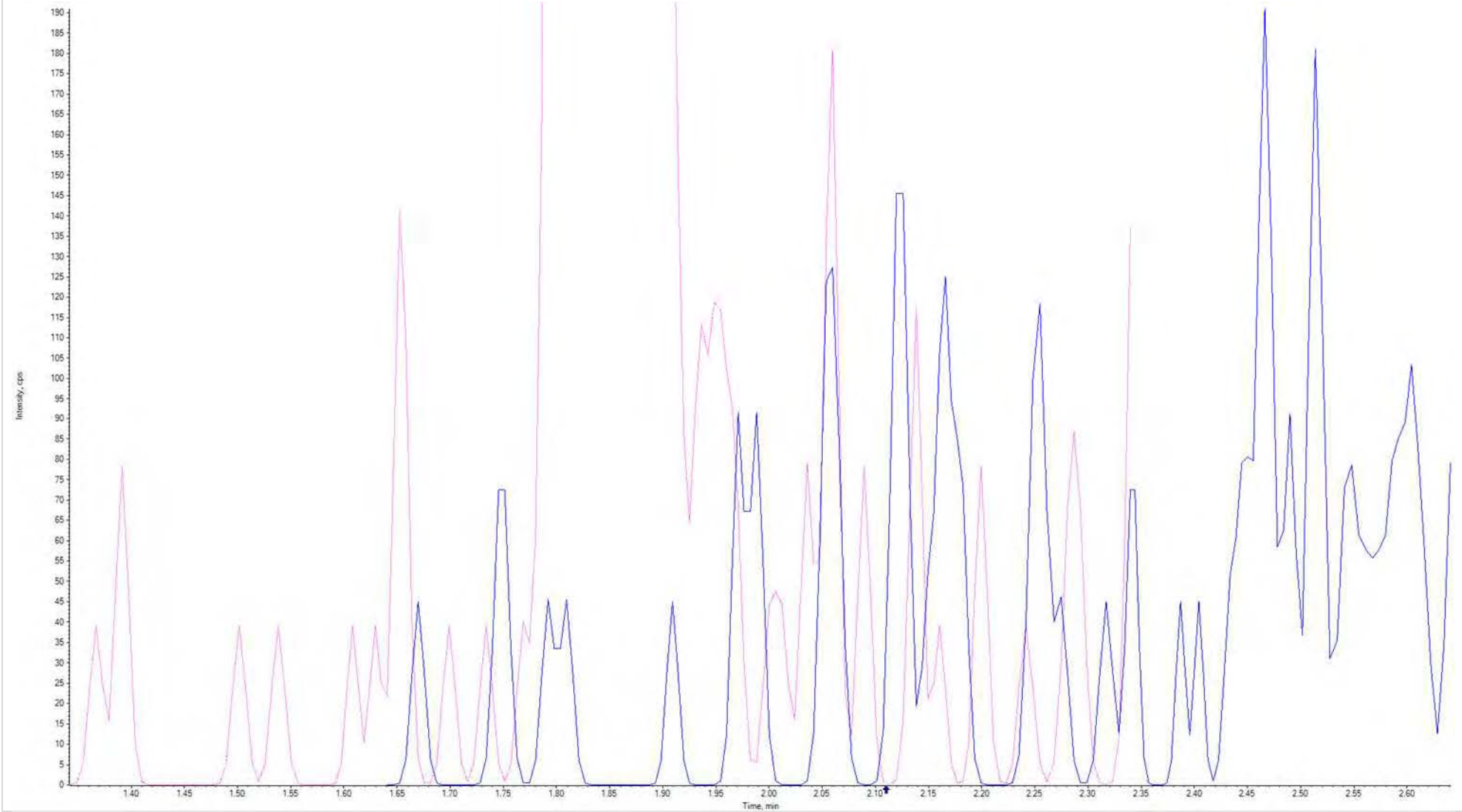

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PFMPA
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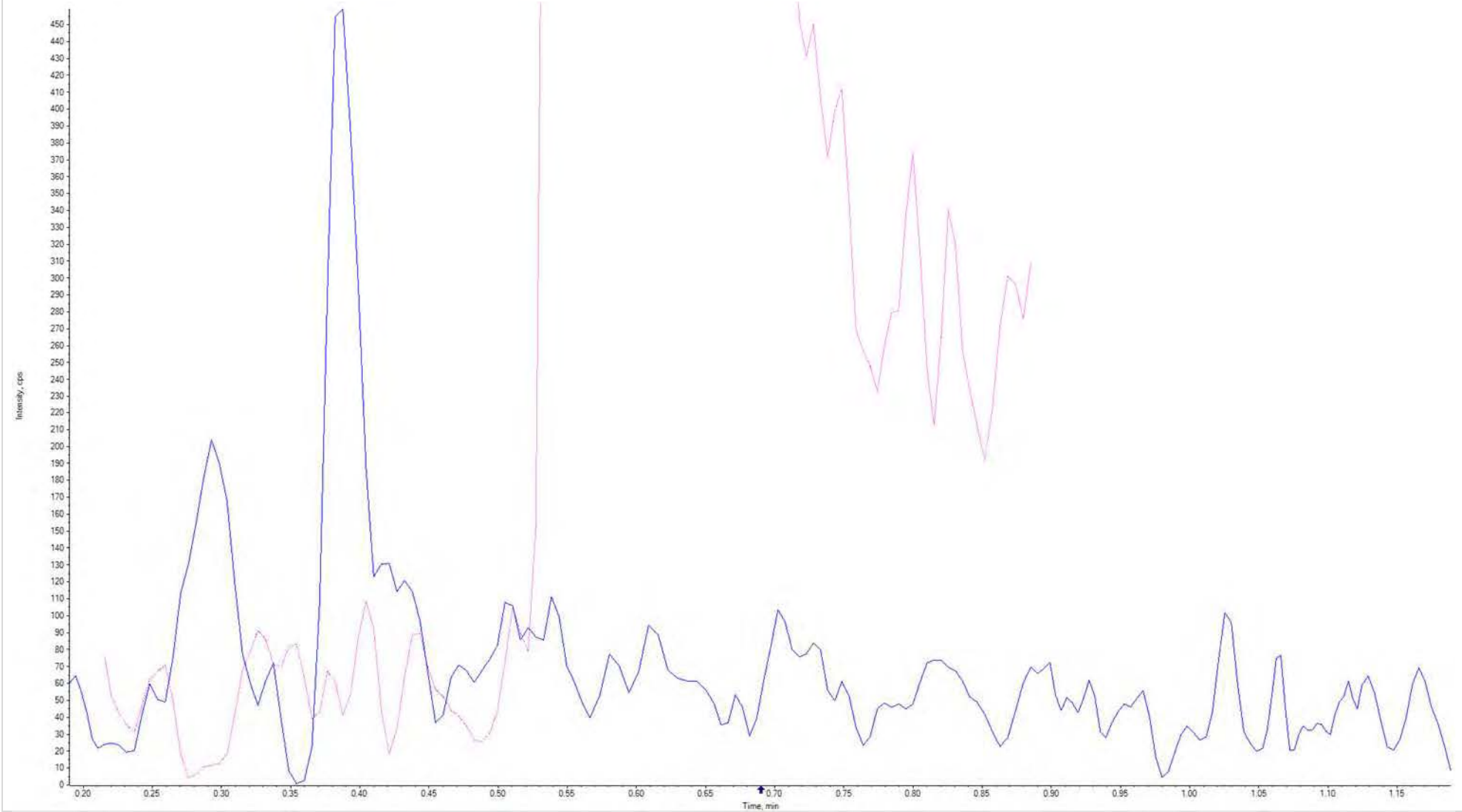

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PFMBA
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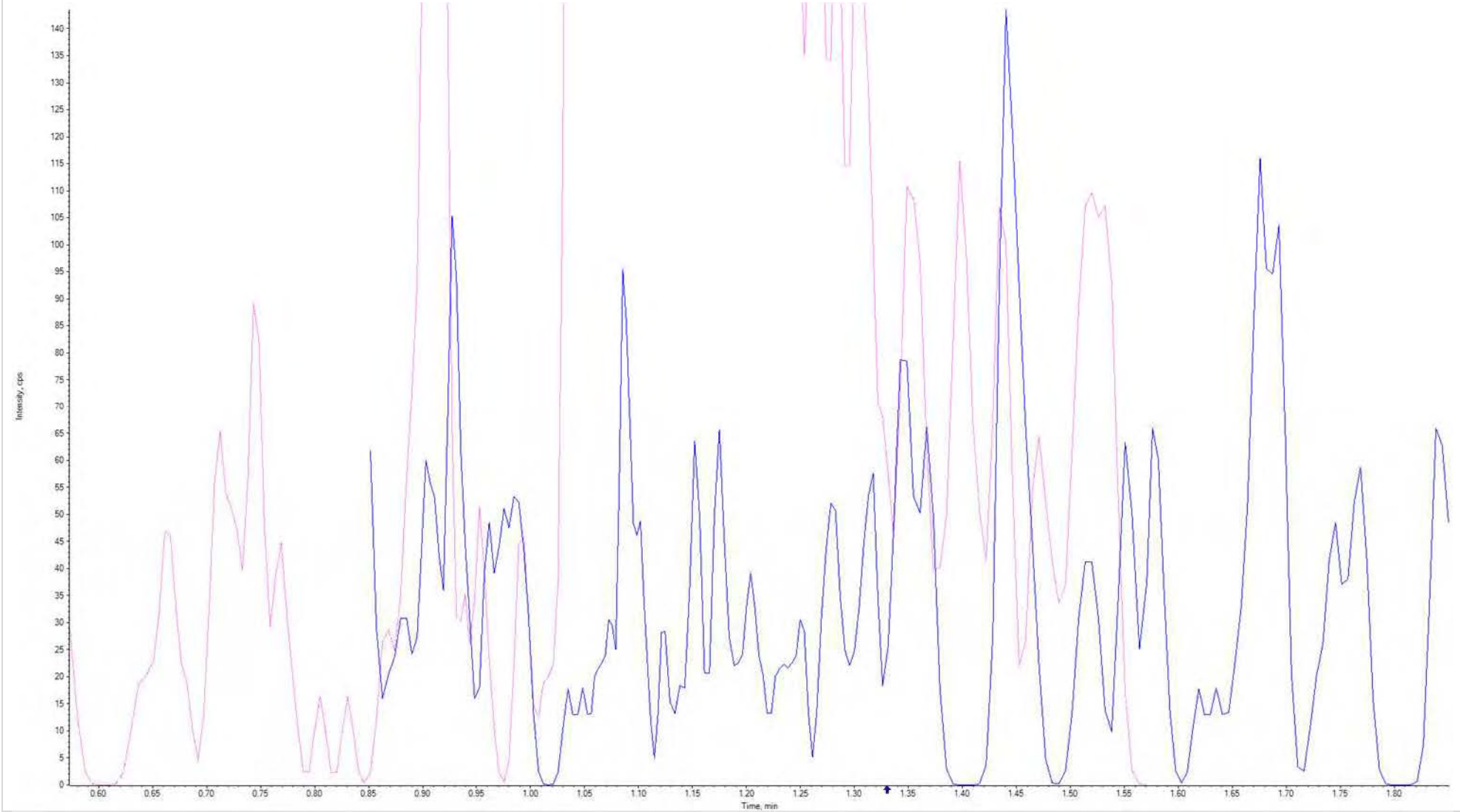
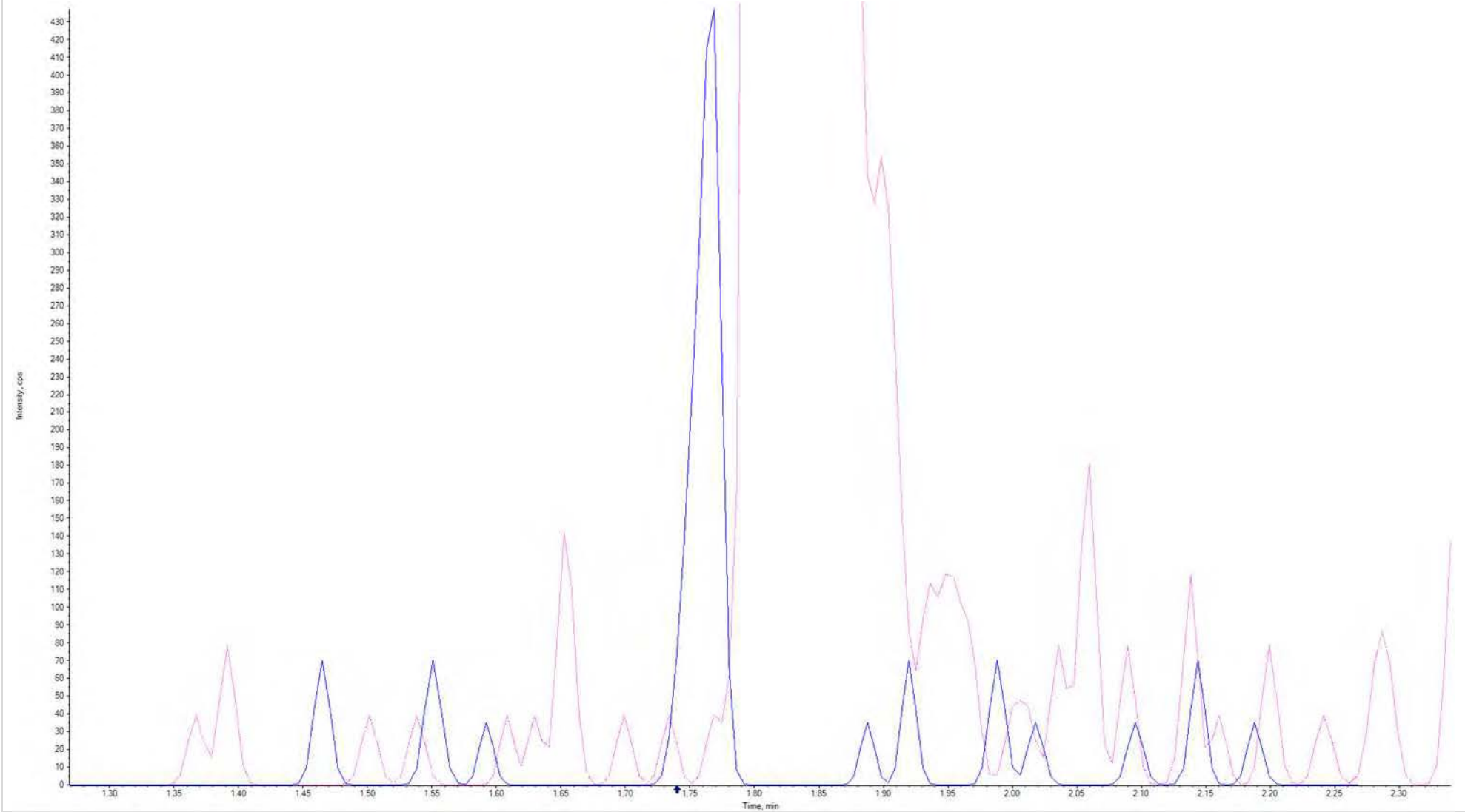


NFDHA
Sample: L2467934-05 S/N:N/A Points Across peak:N/A



NFDHA_2
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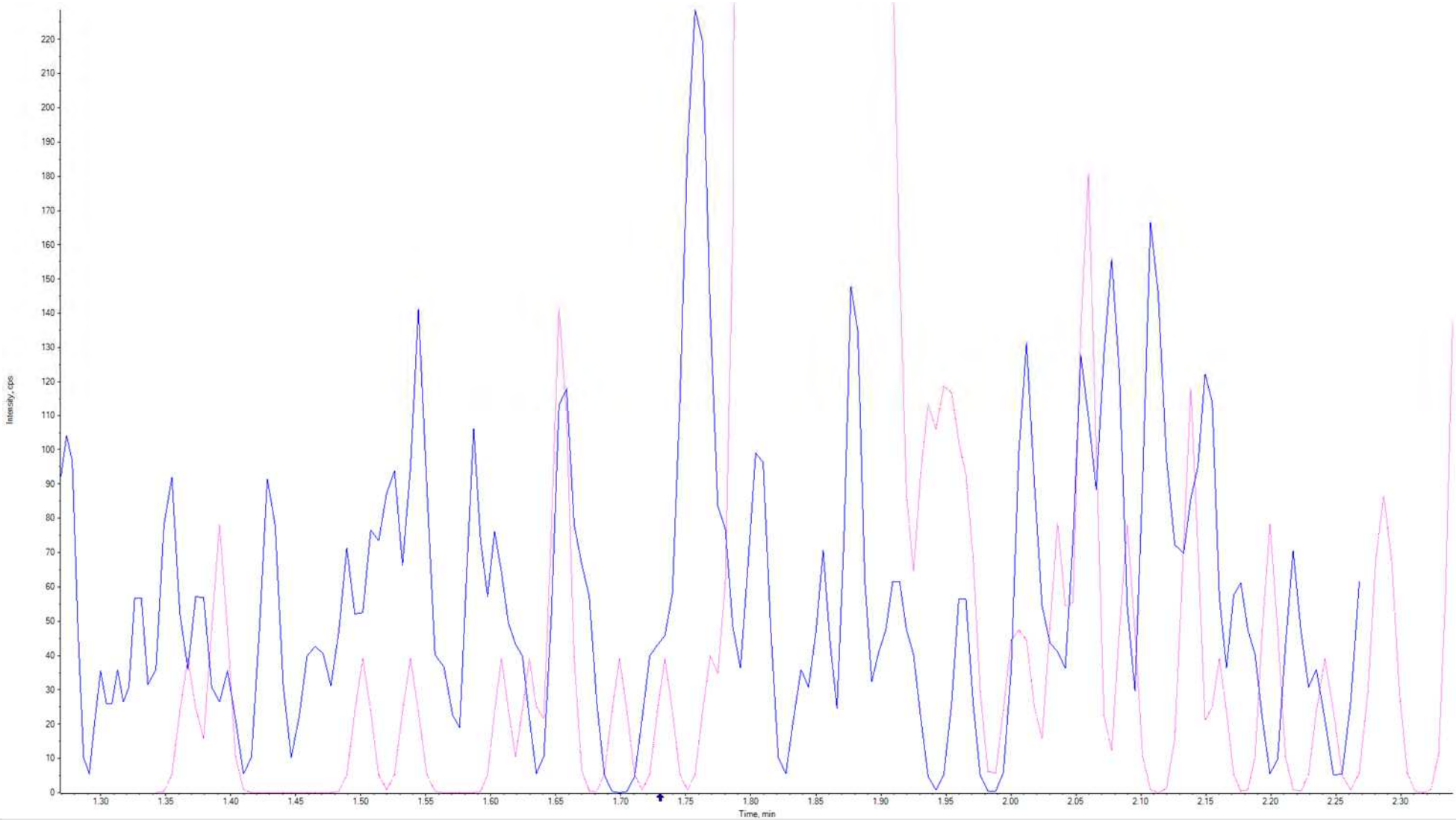

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TDCA
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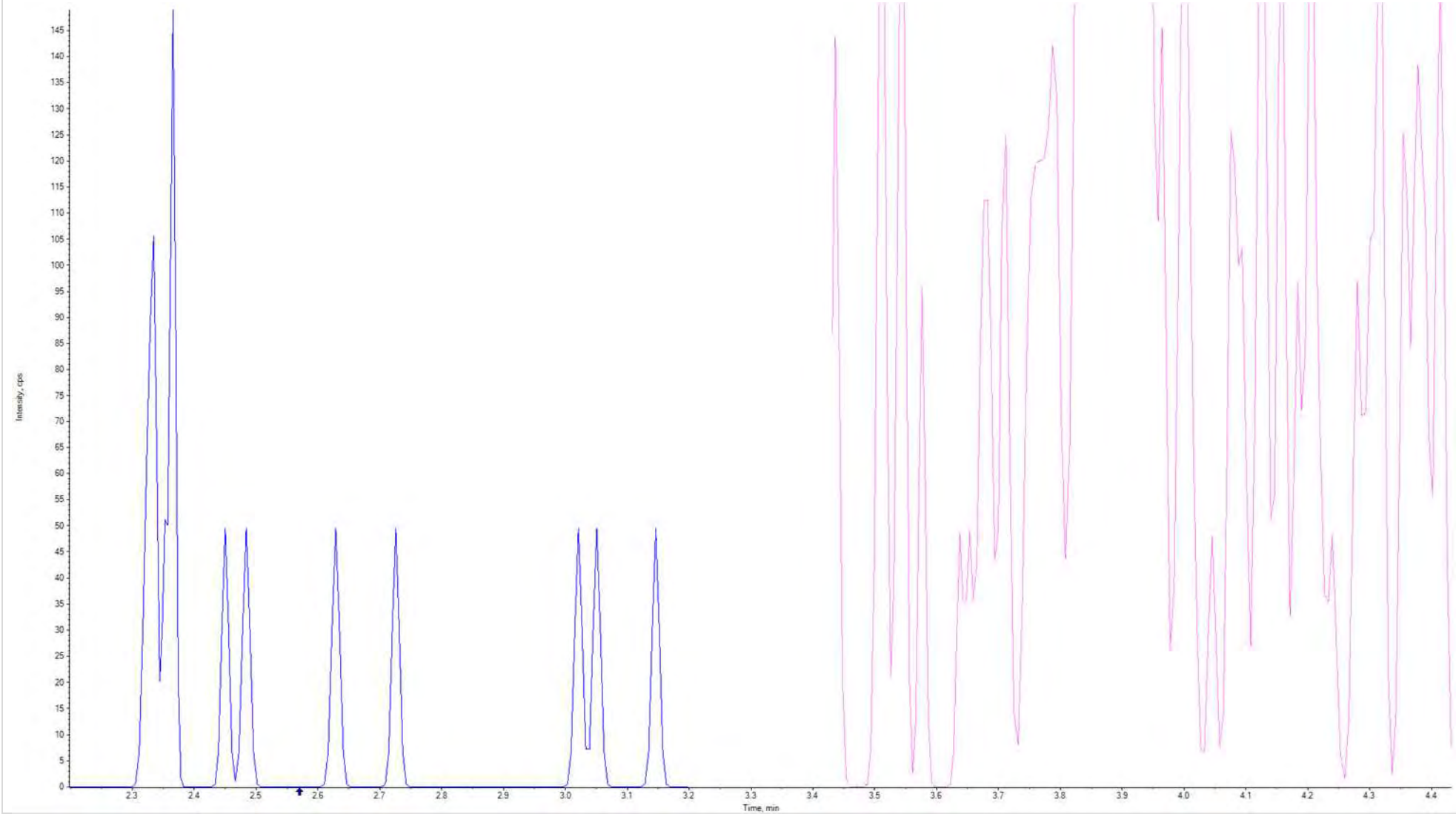
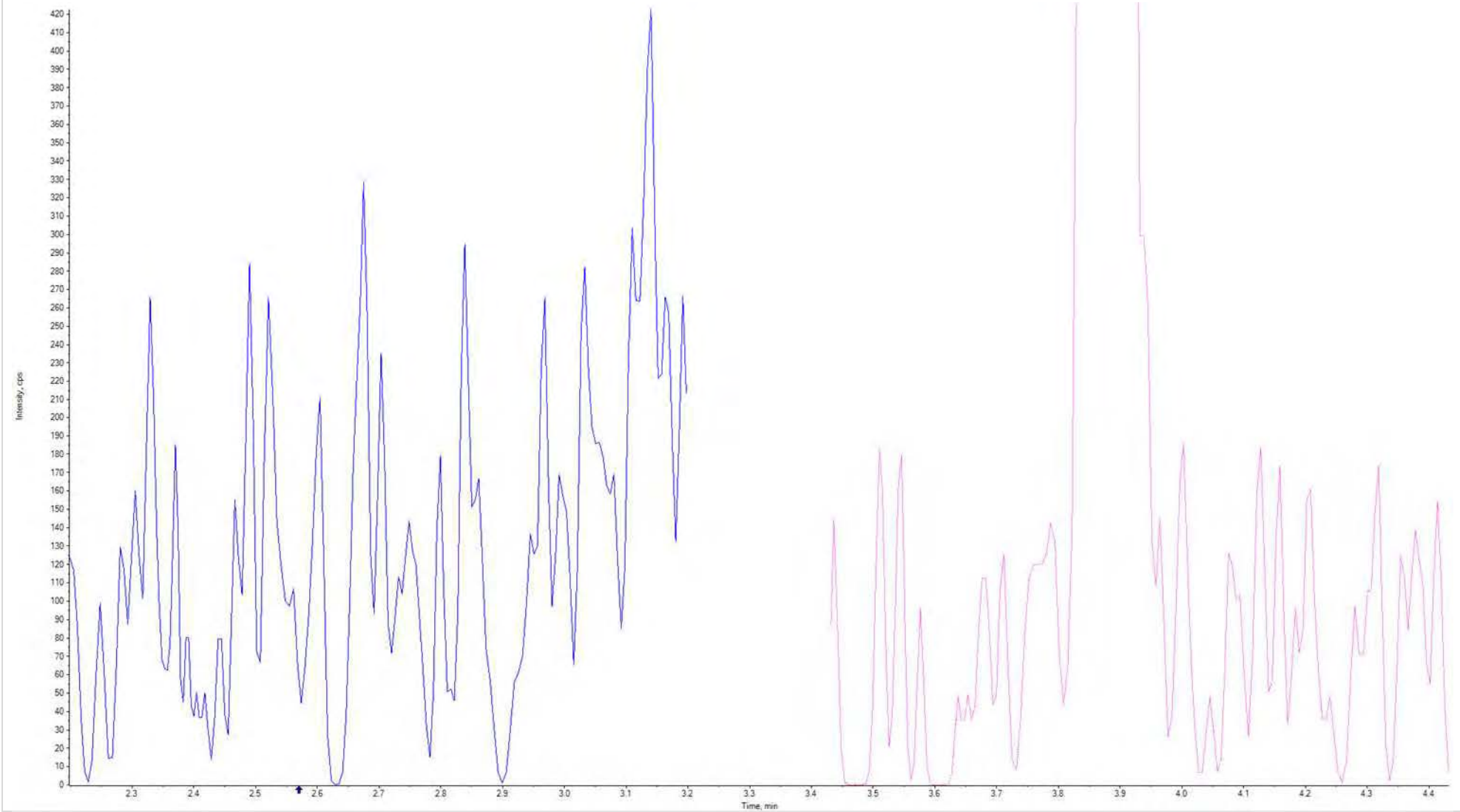


TDCA_2
Sample: L2467934-05 S/N:N/A Points Across peak:N/A



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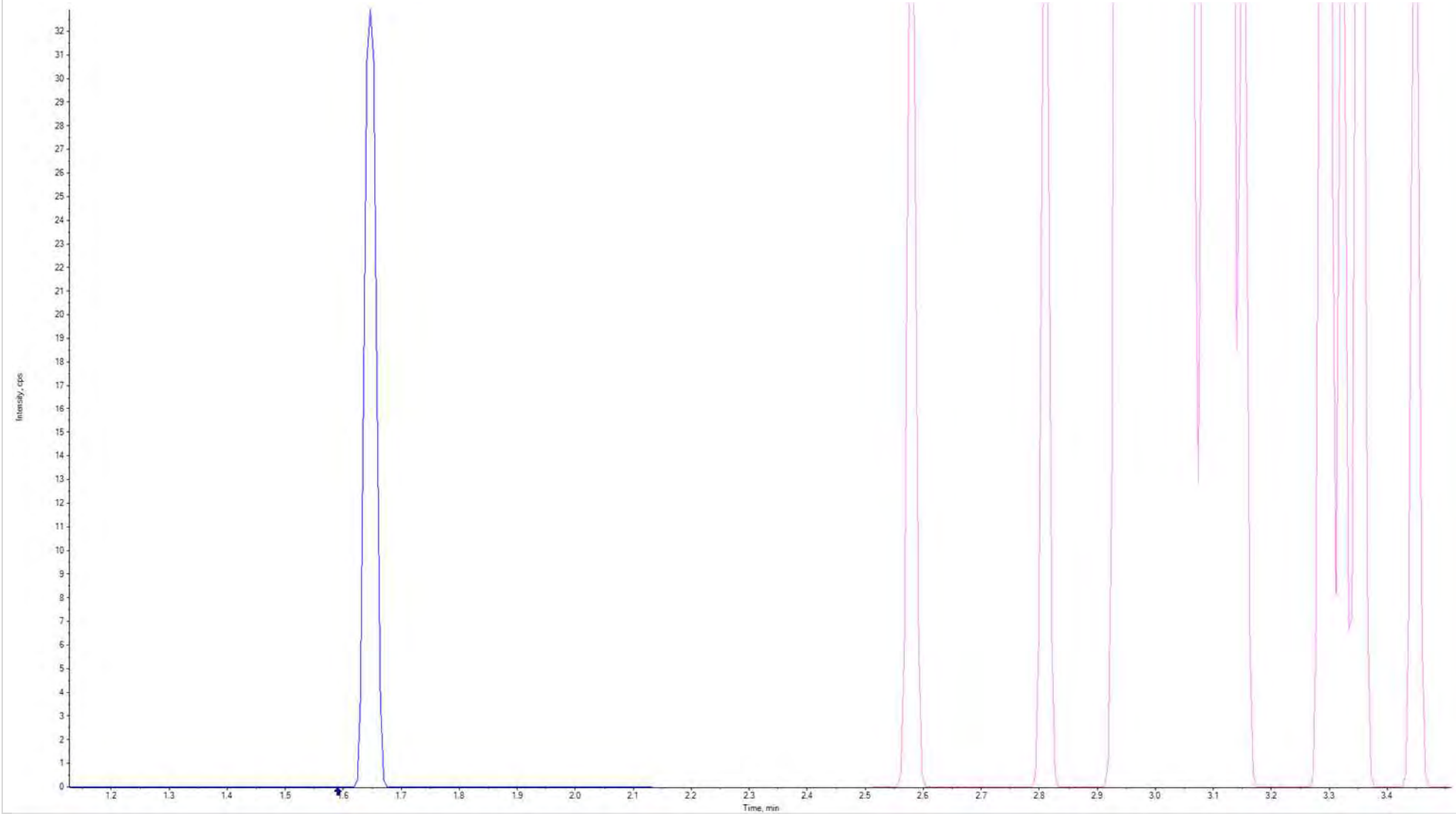
13C2D4-4:2FTS
Sample: L2467934-05 S/N:N/A Points Across peak:N/A



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13C2-PFOA
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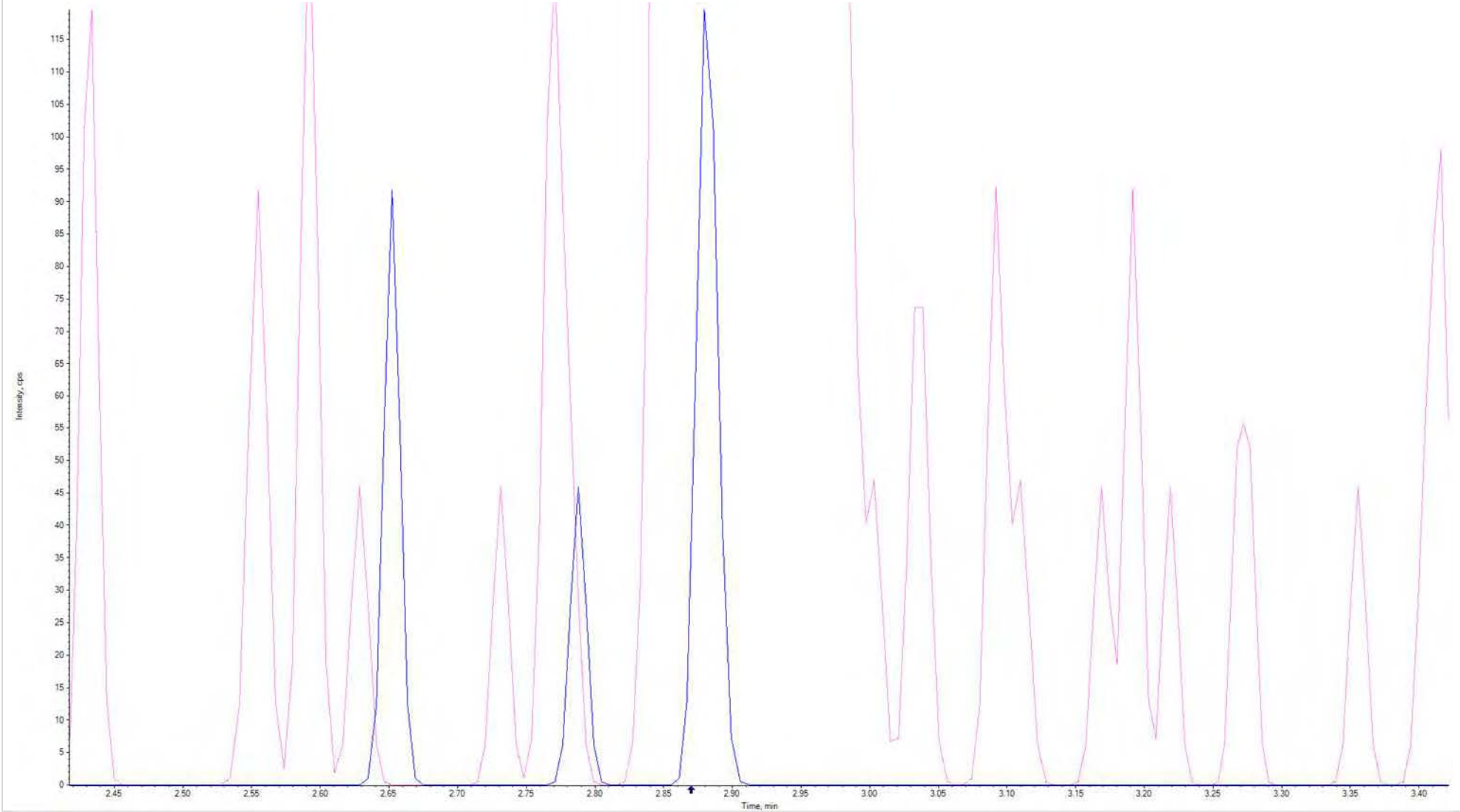

13C4-PFBA
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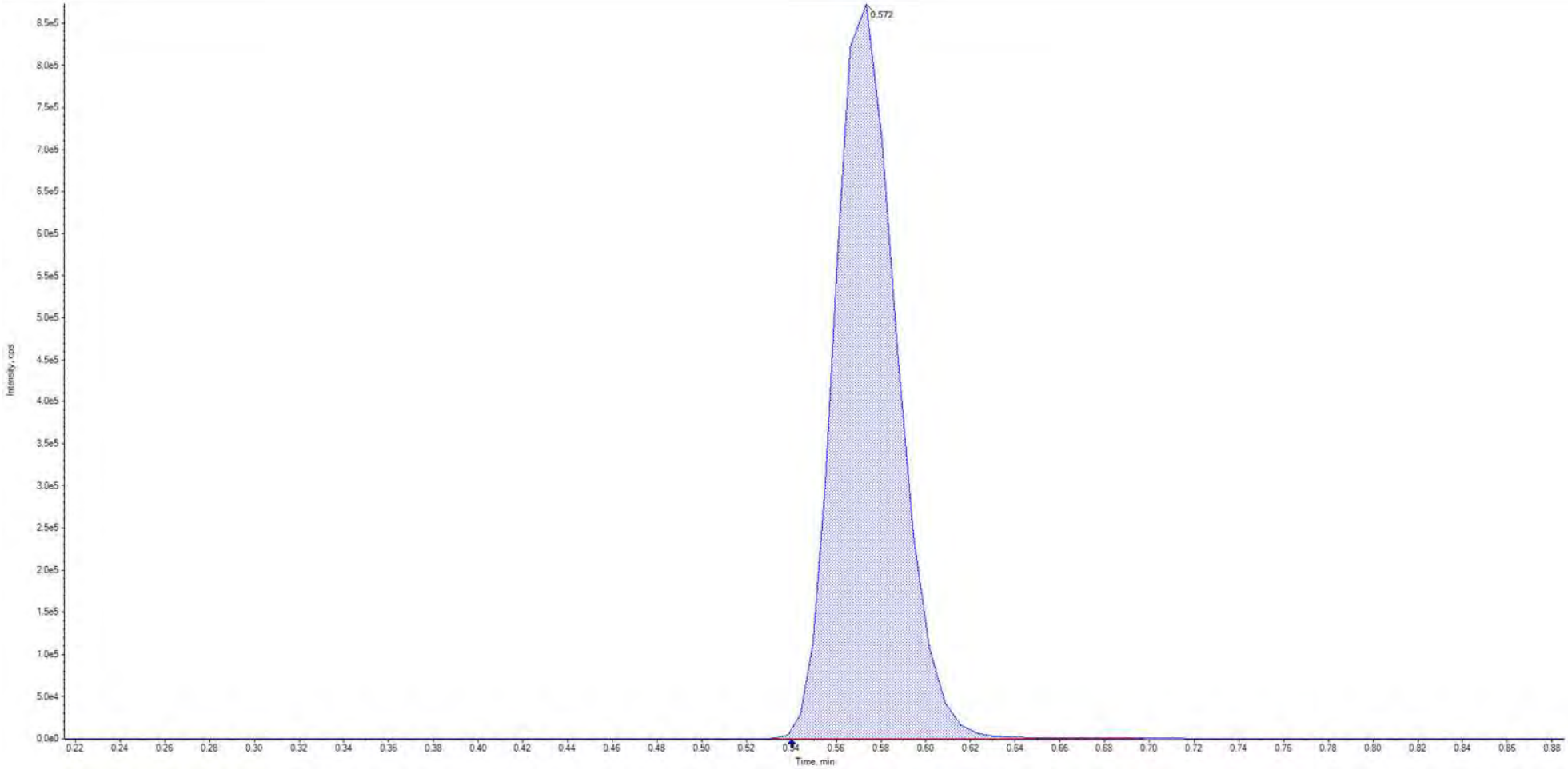

13C5-PFPeA
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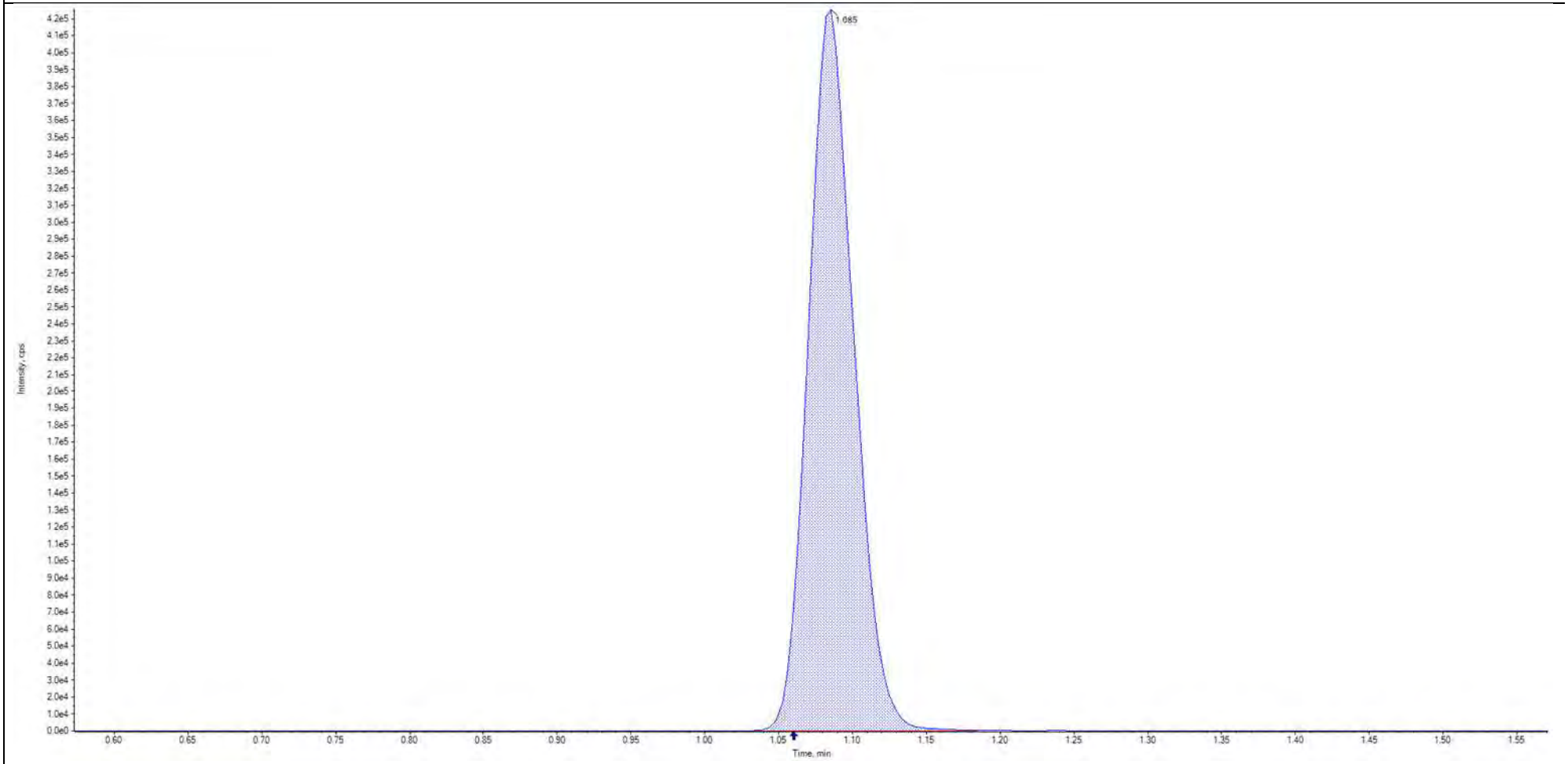

13C5-PFHxA
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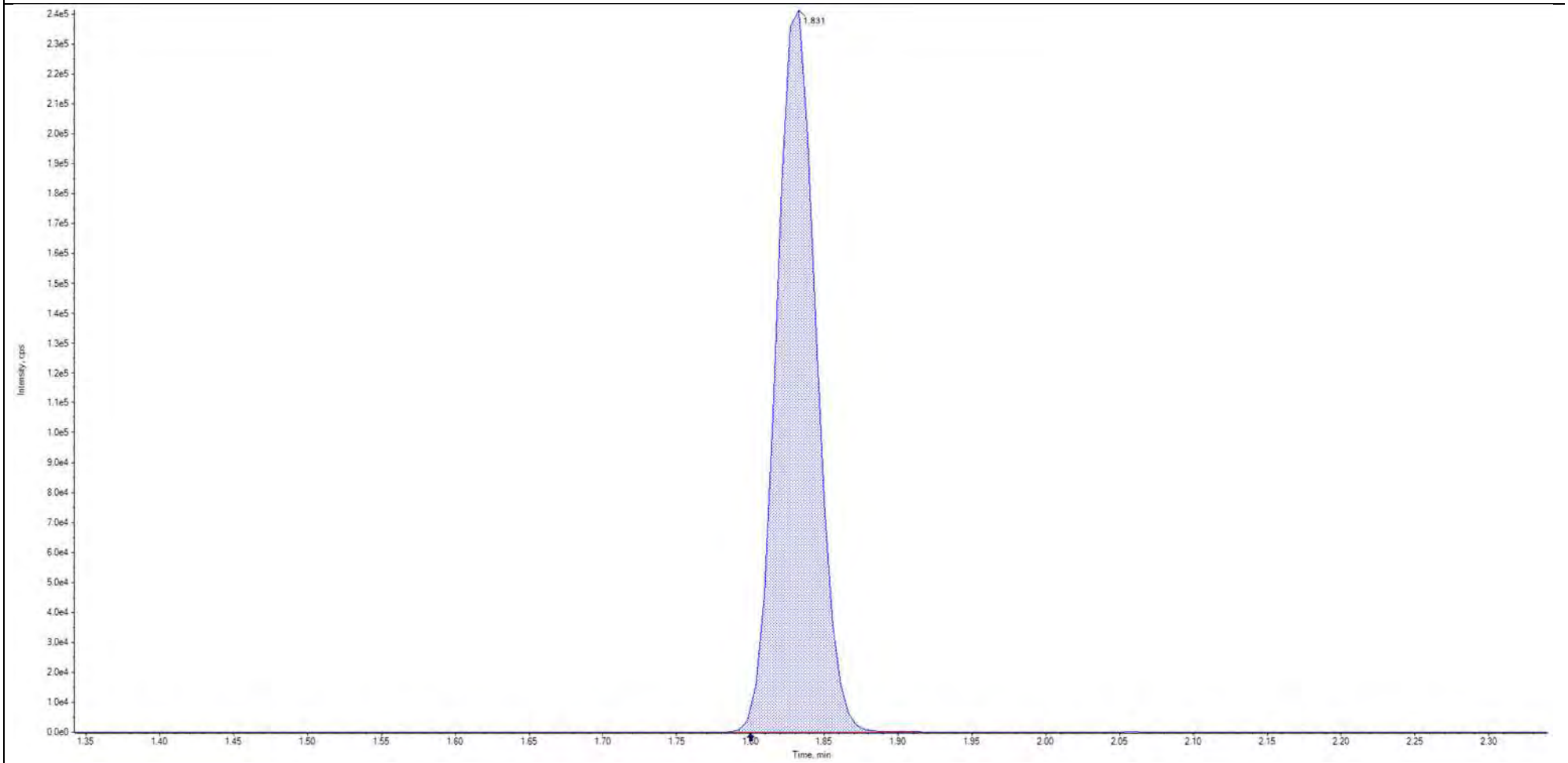

13C4-PFHpA
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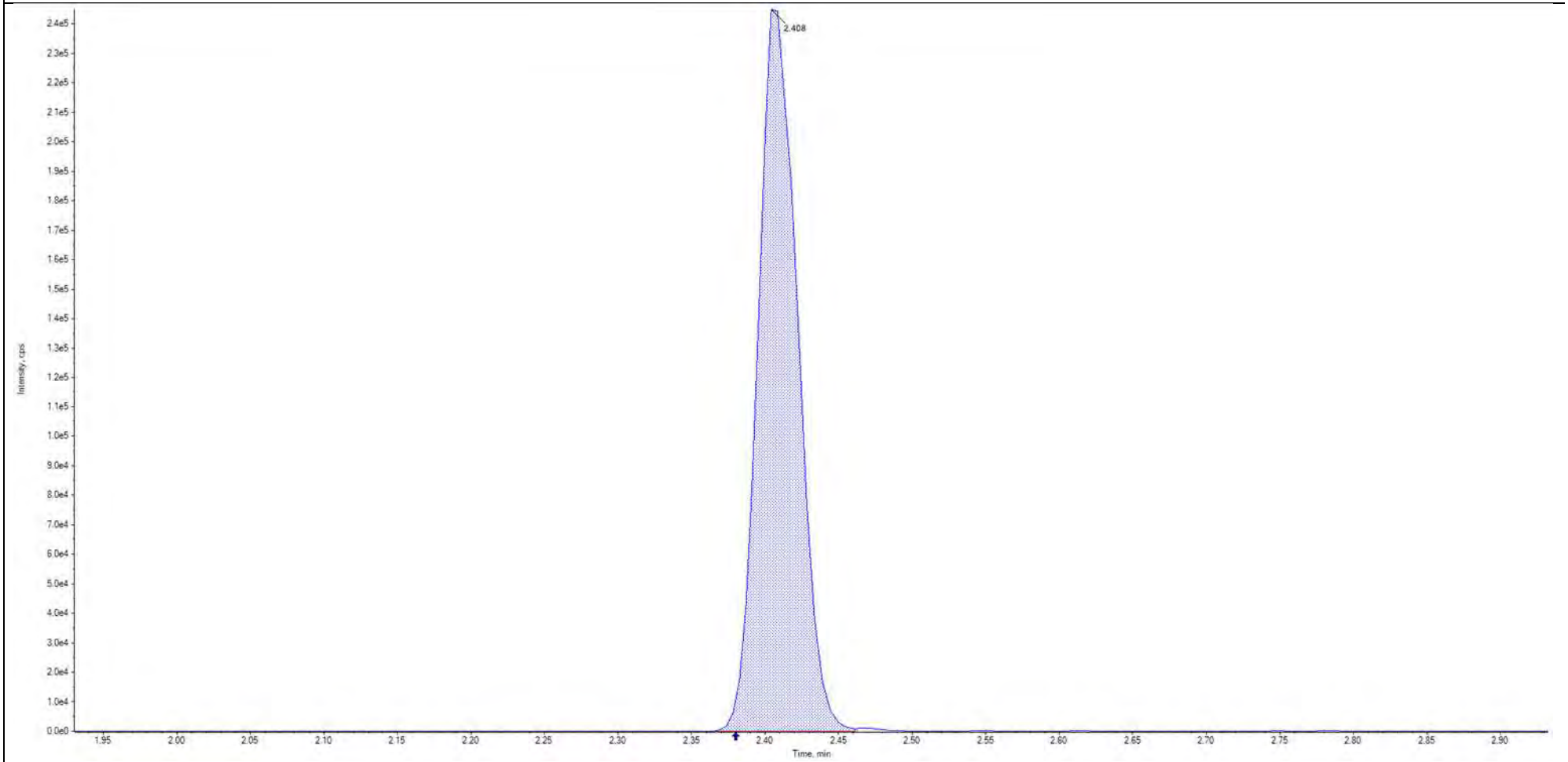

13C8-PFOA
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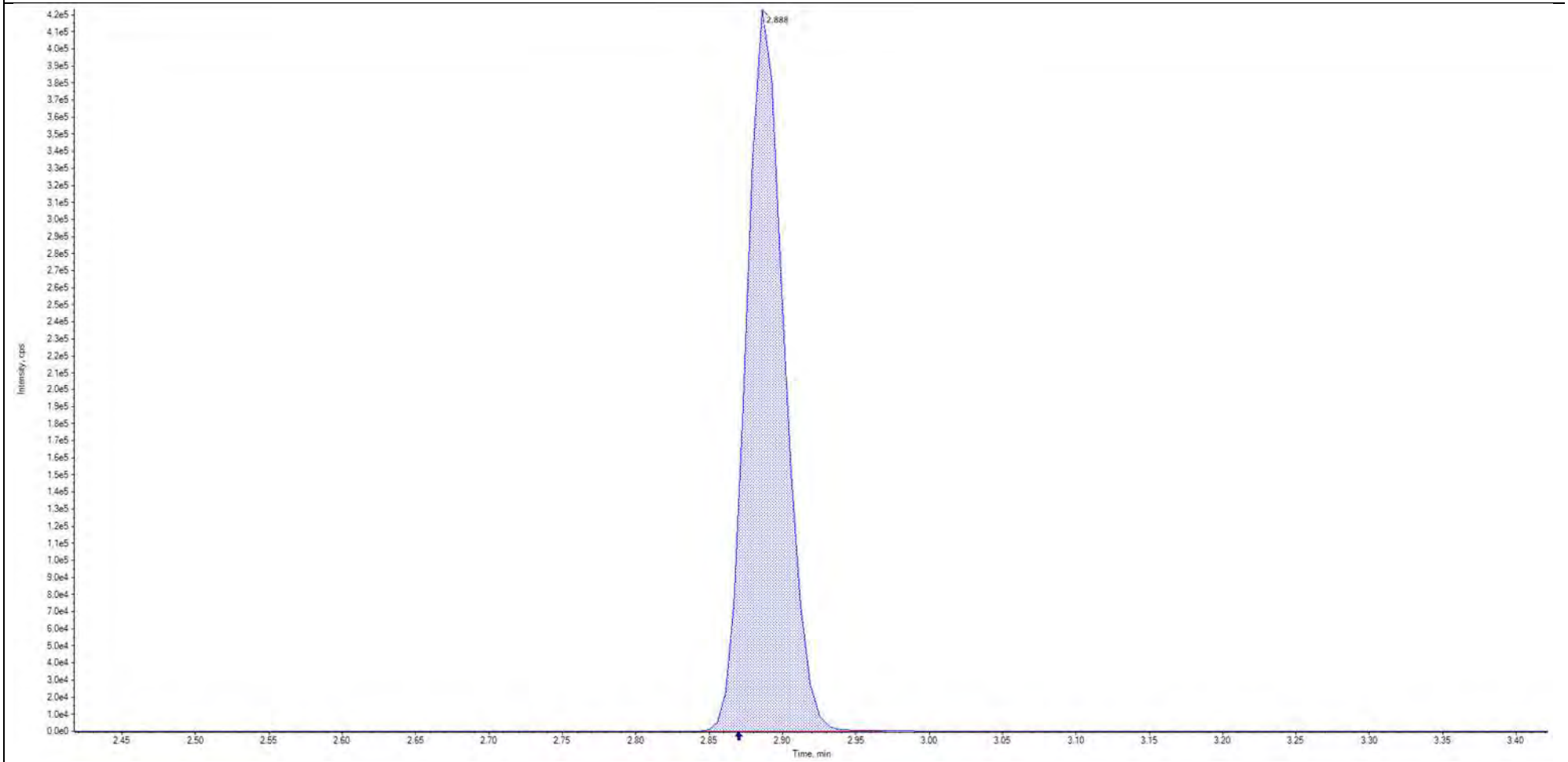

13C9-PFNA
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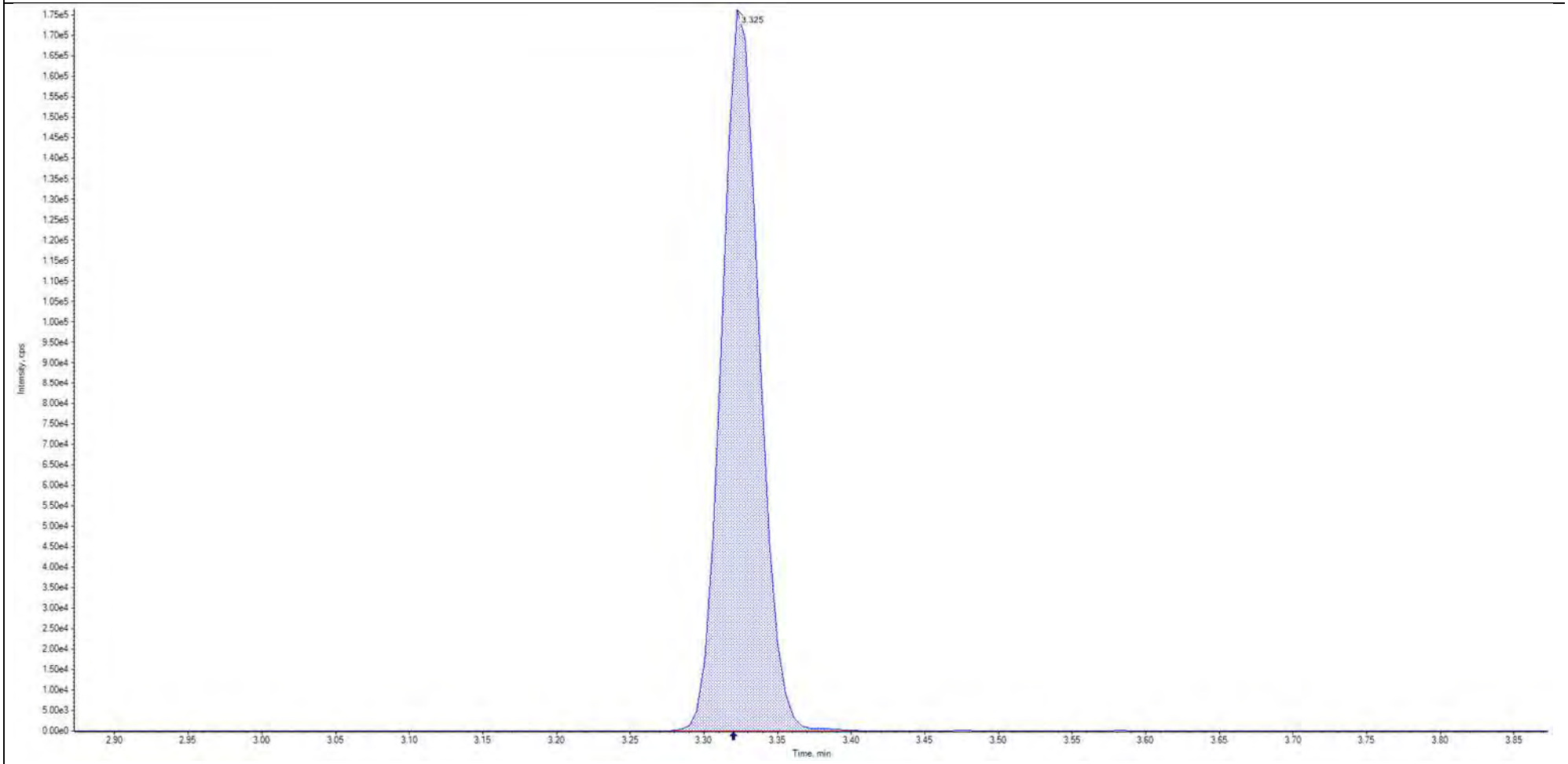

13C6-PFDA
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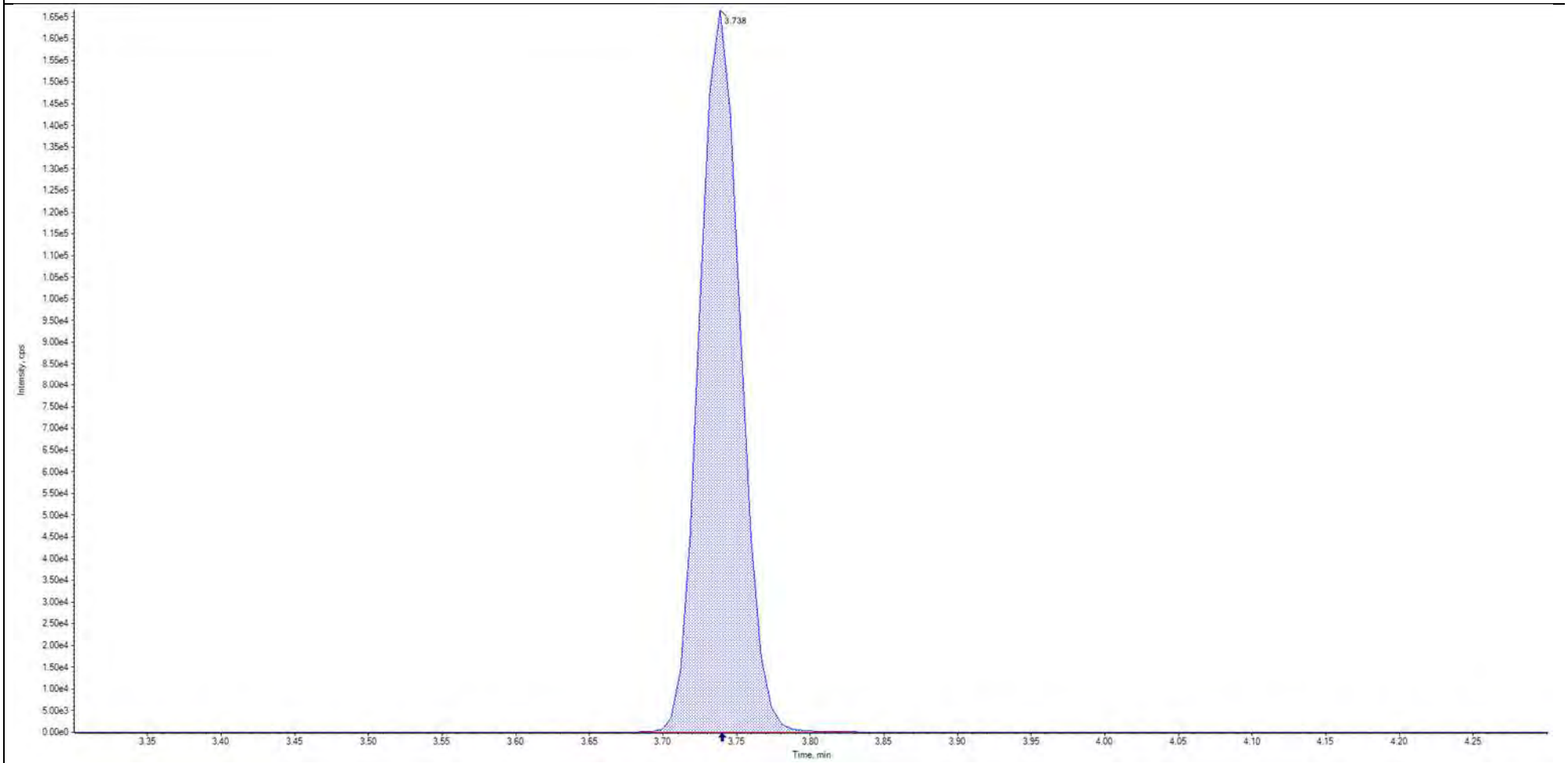

13C7-PFUnA
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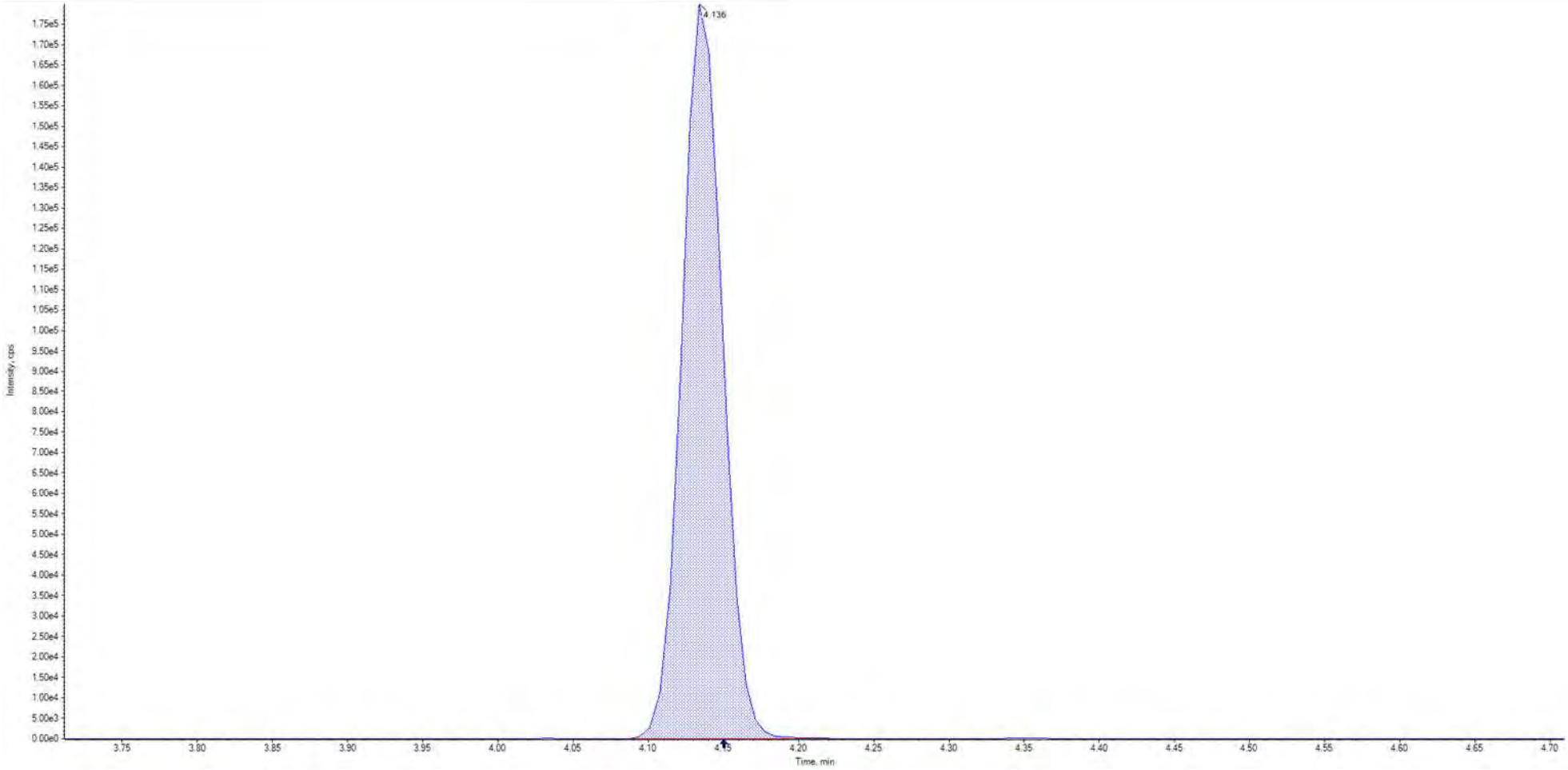

13C2-PFDoA
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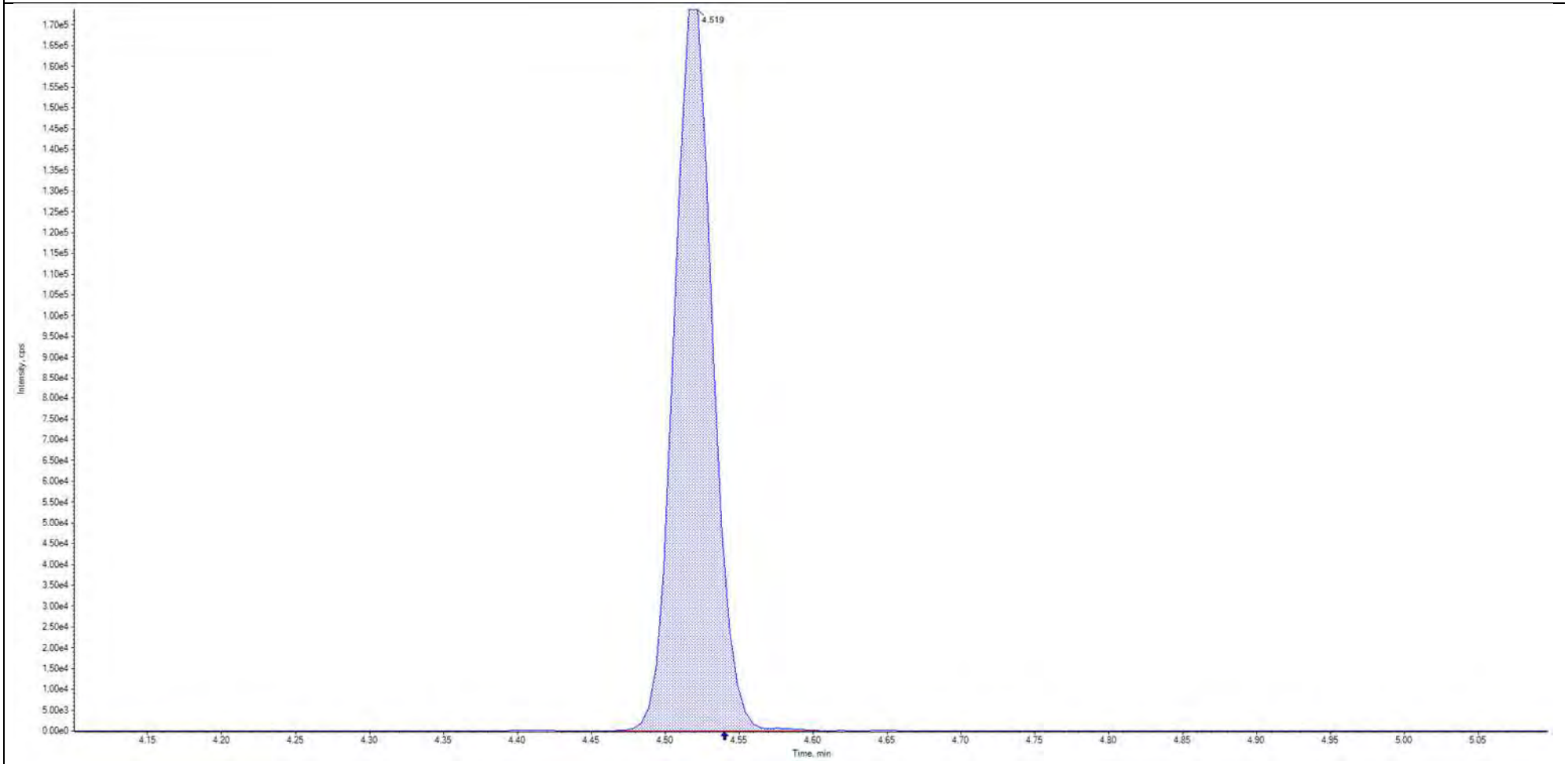

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13C2-PFTeDA
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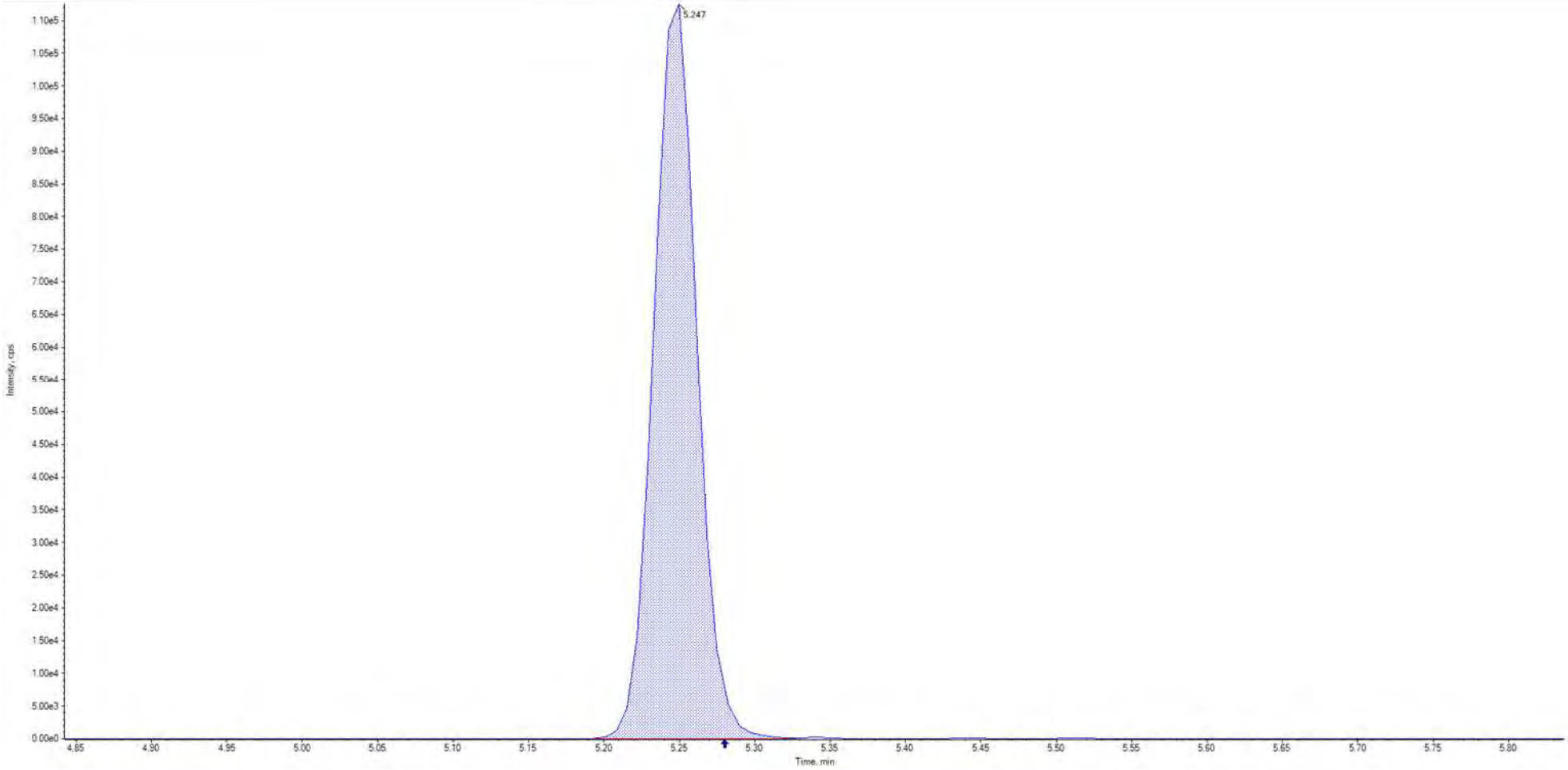
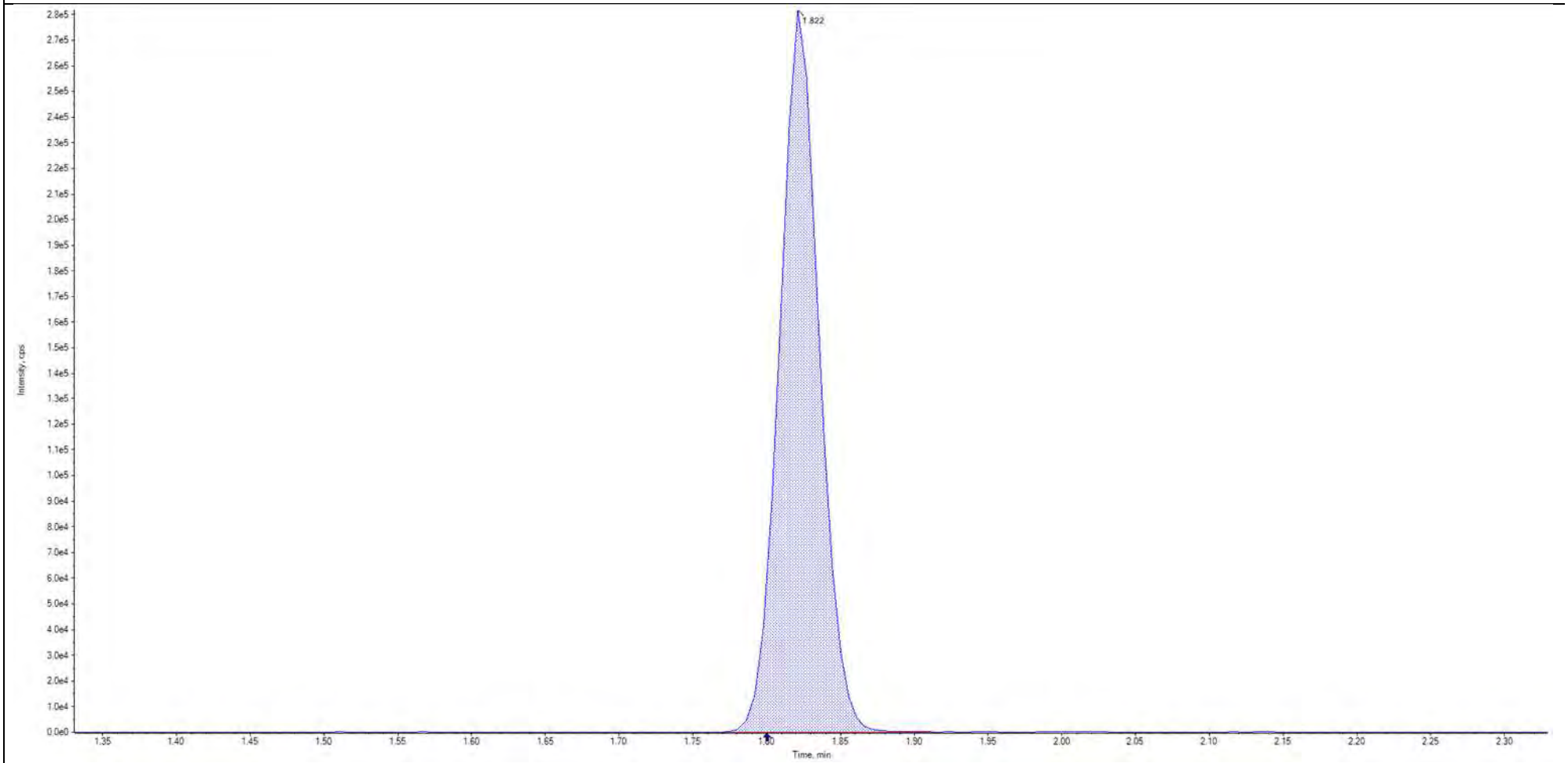


13C3-PFBS
Sample: L2467934-05



13C3-PFHxS
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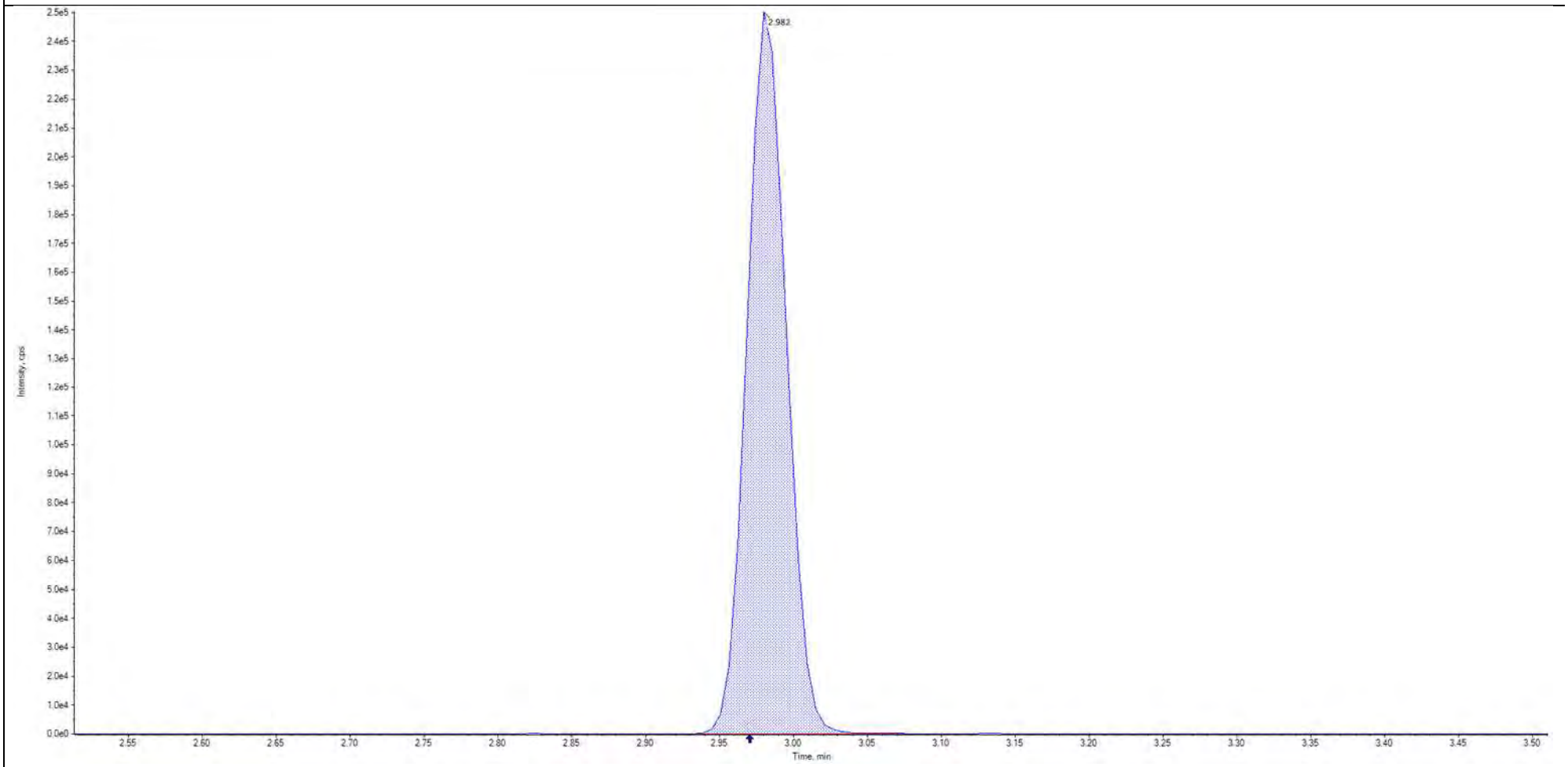

13C8-PFOS
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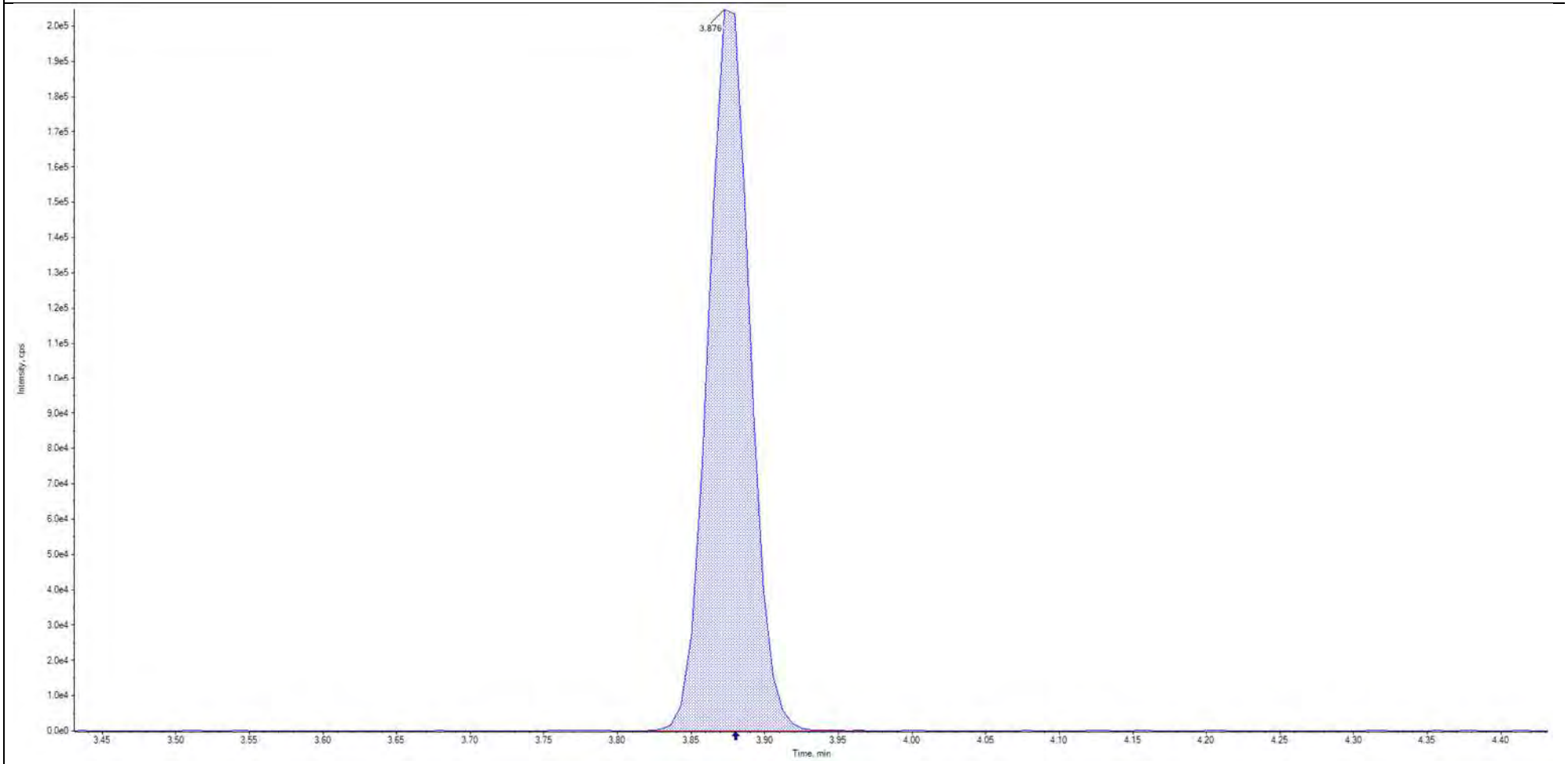
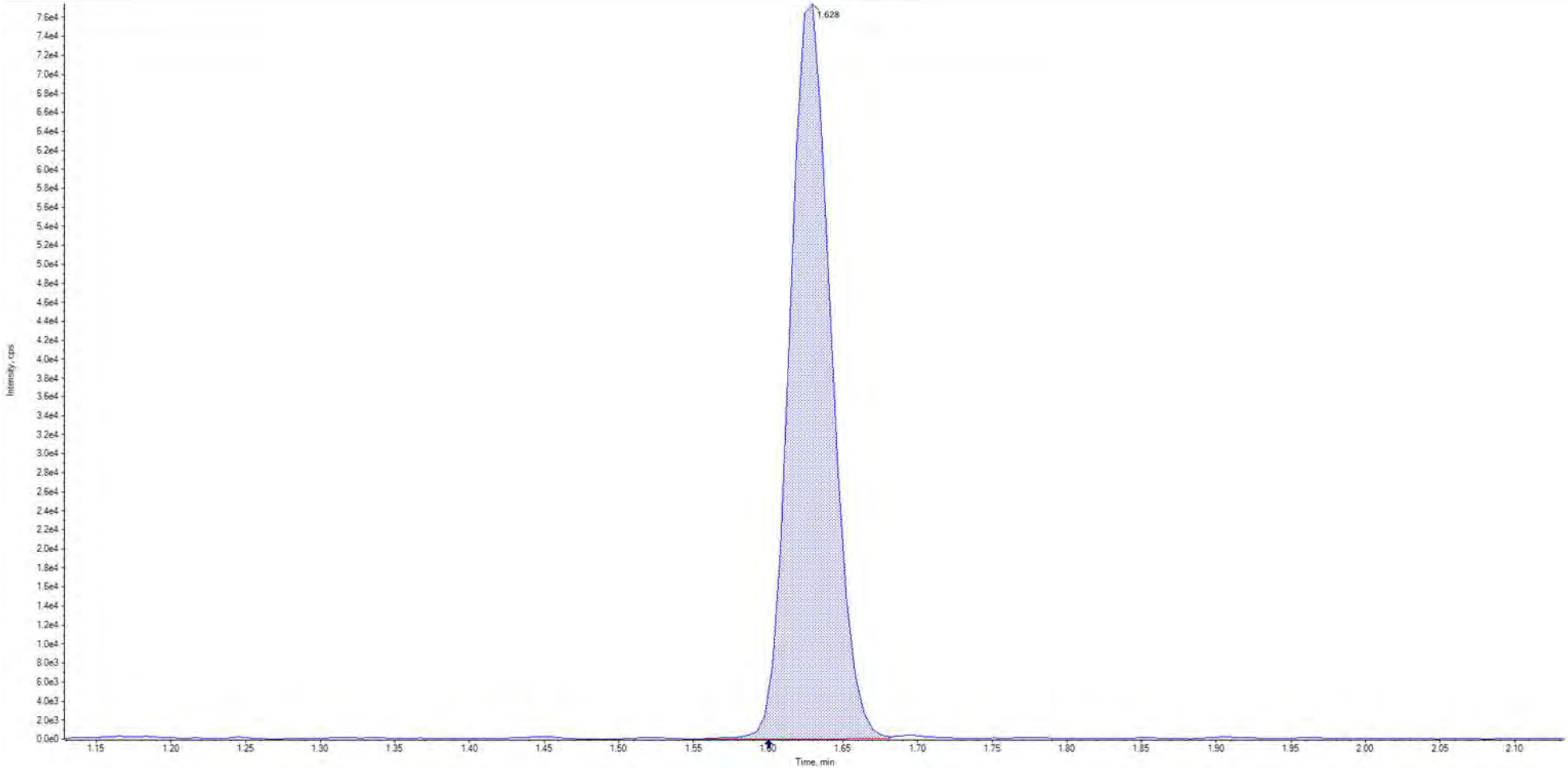


13C2-4:2FTS
Sample: L2467934-05



13C2-6:2FTS
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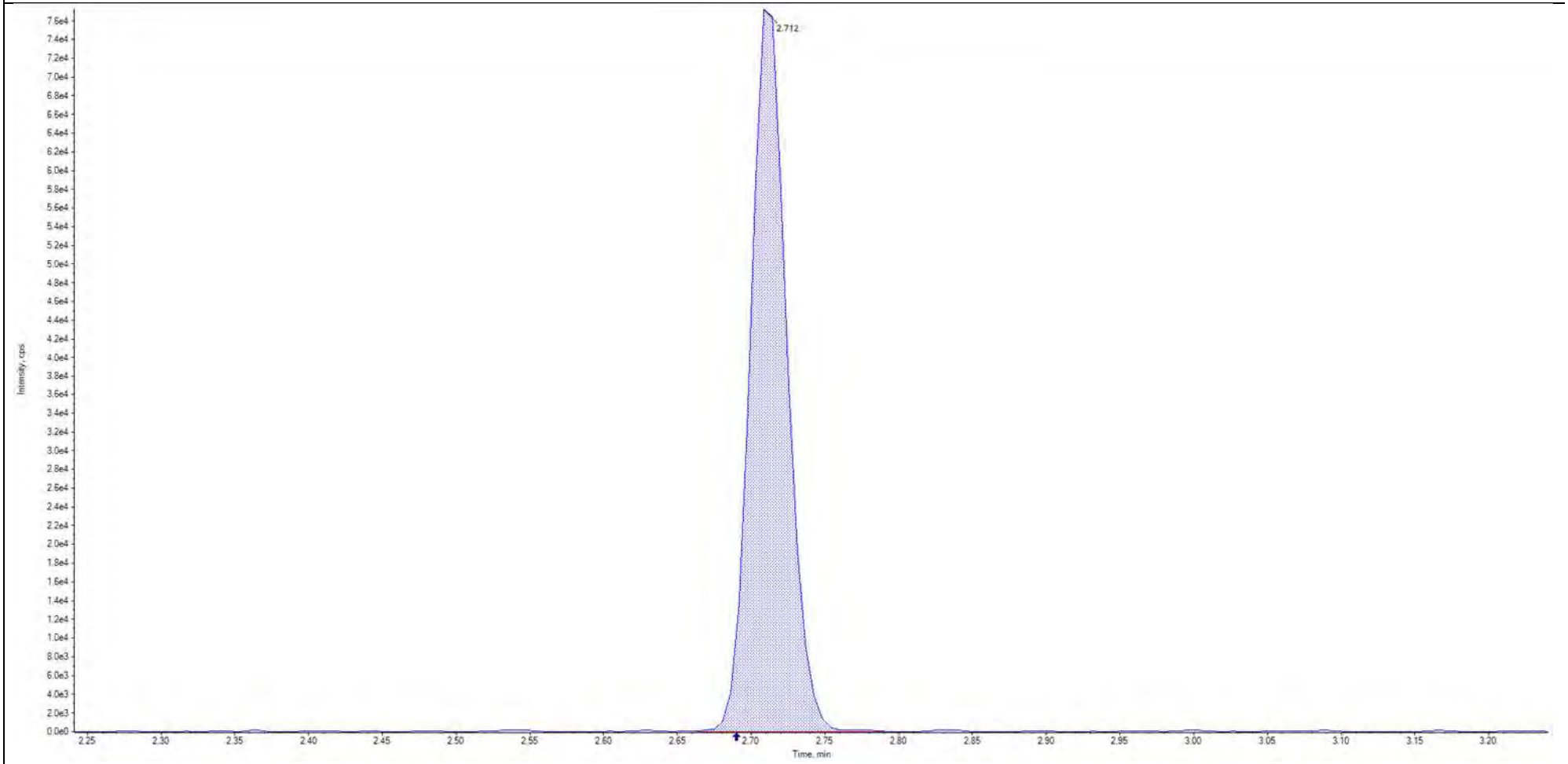
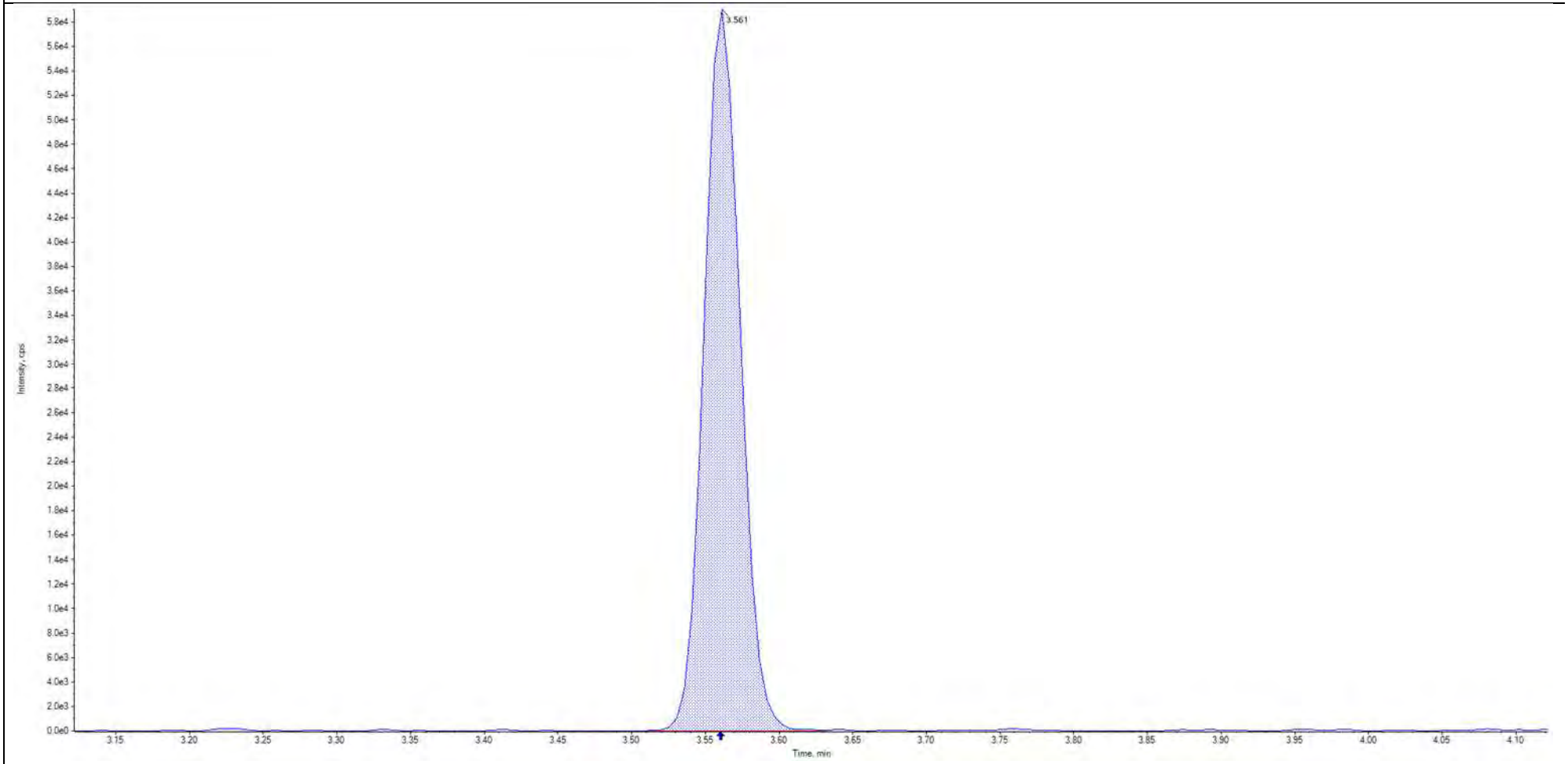


13C2-8:2FTS
Sample: L2467934-05



13C8-PFOSA
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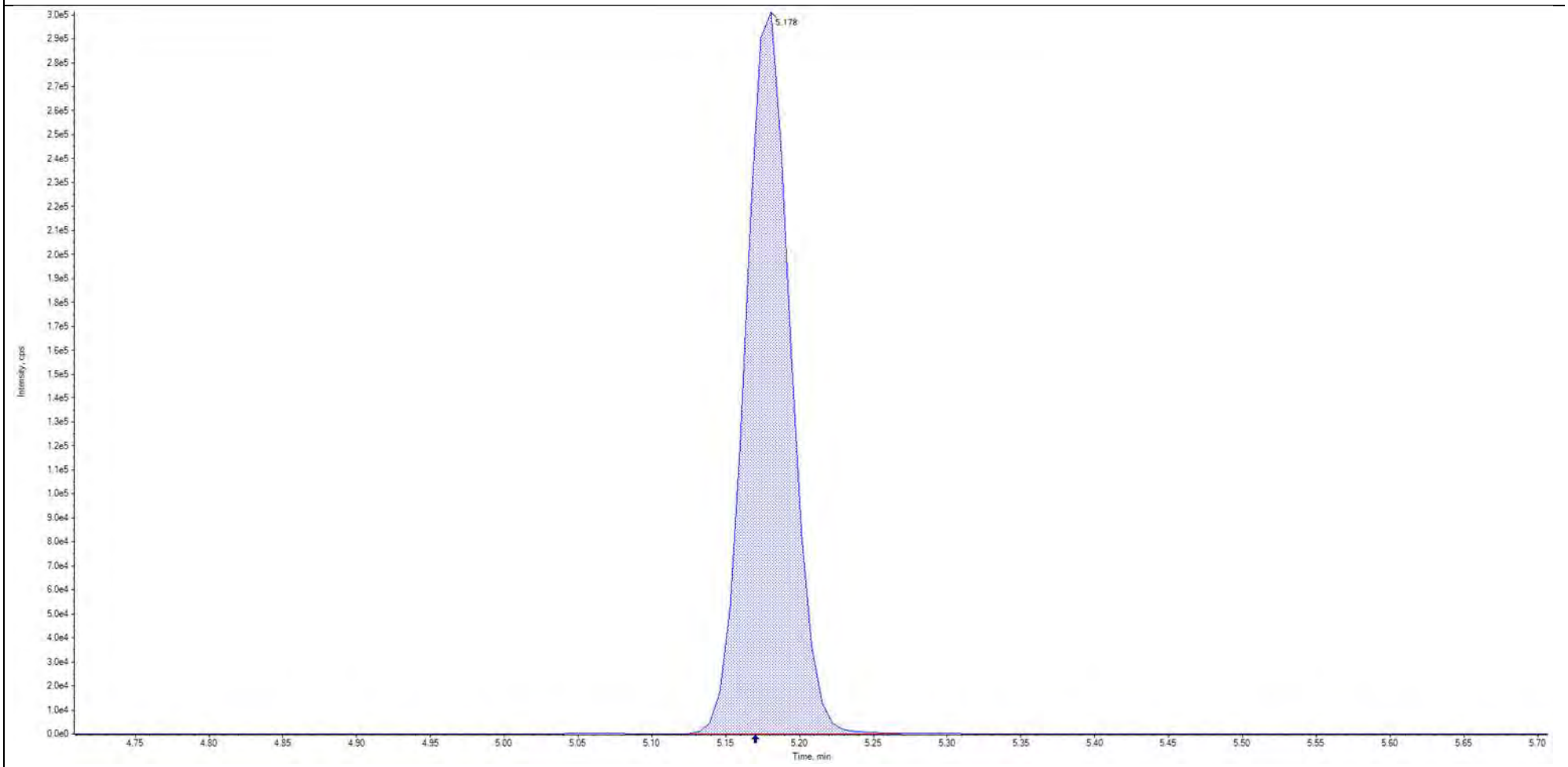

d3-NMeFOSA
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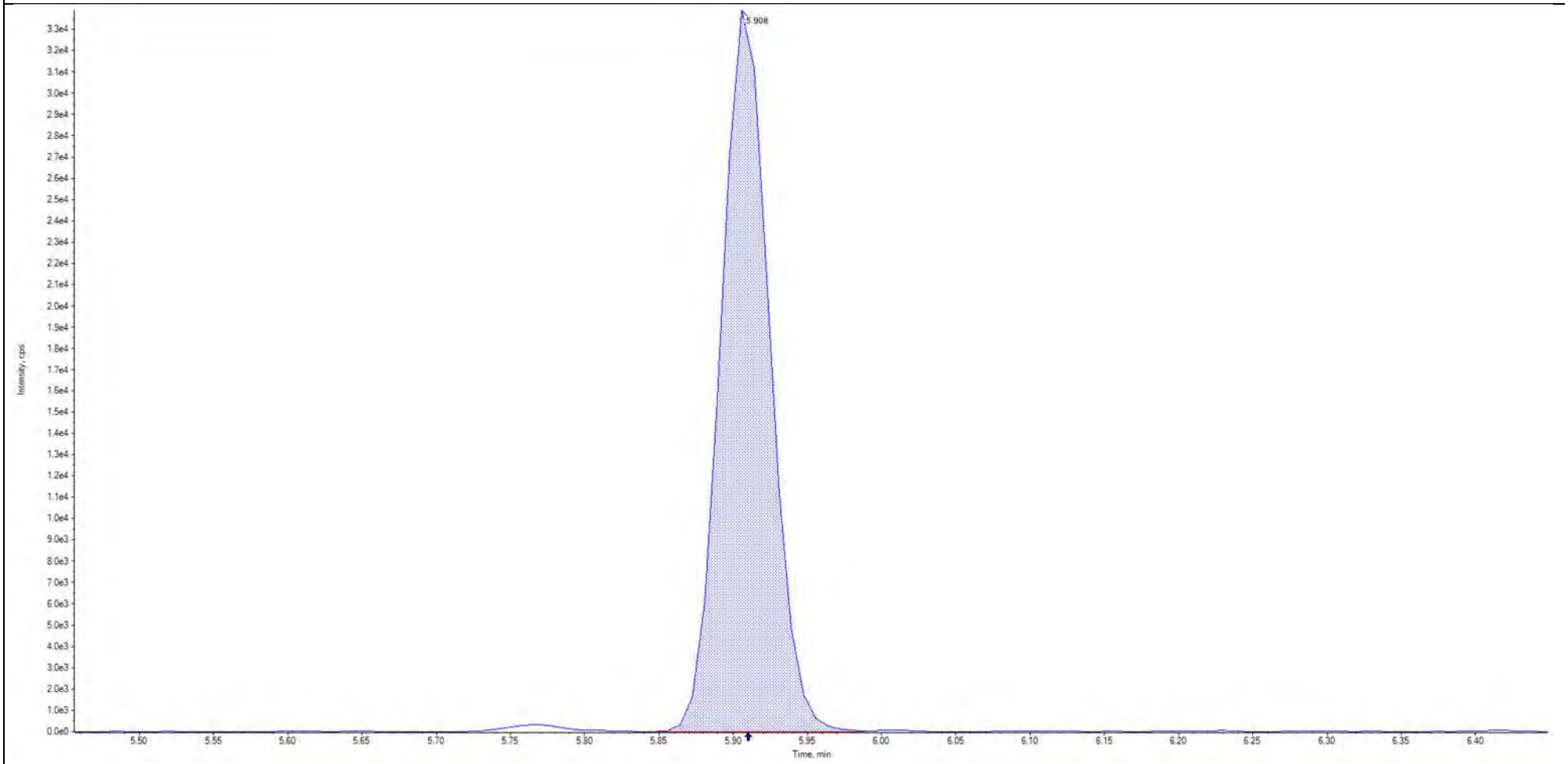

d5-NEtFOSA
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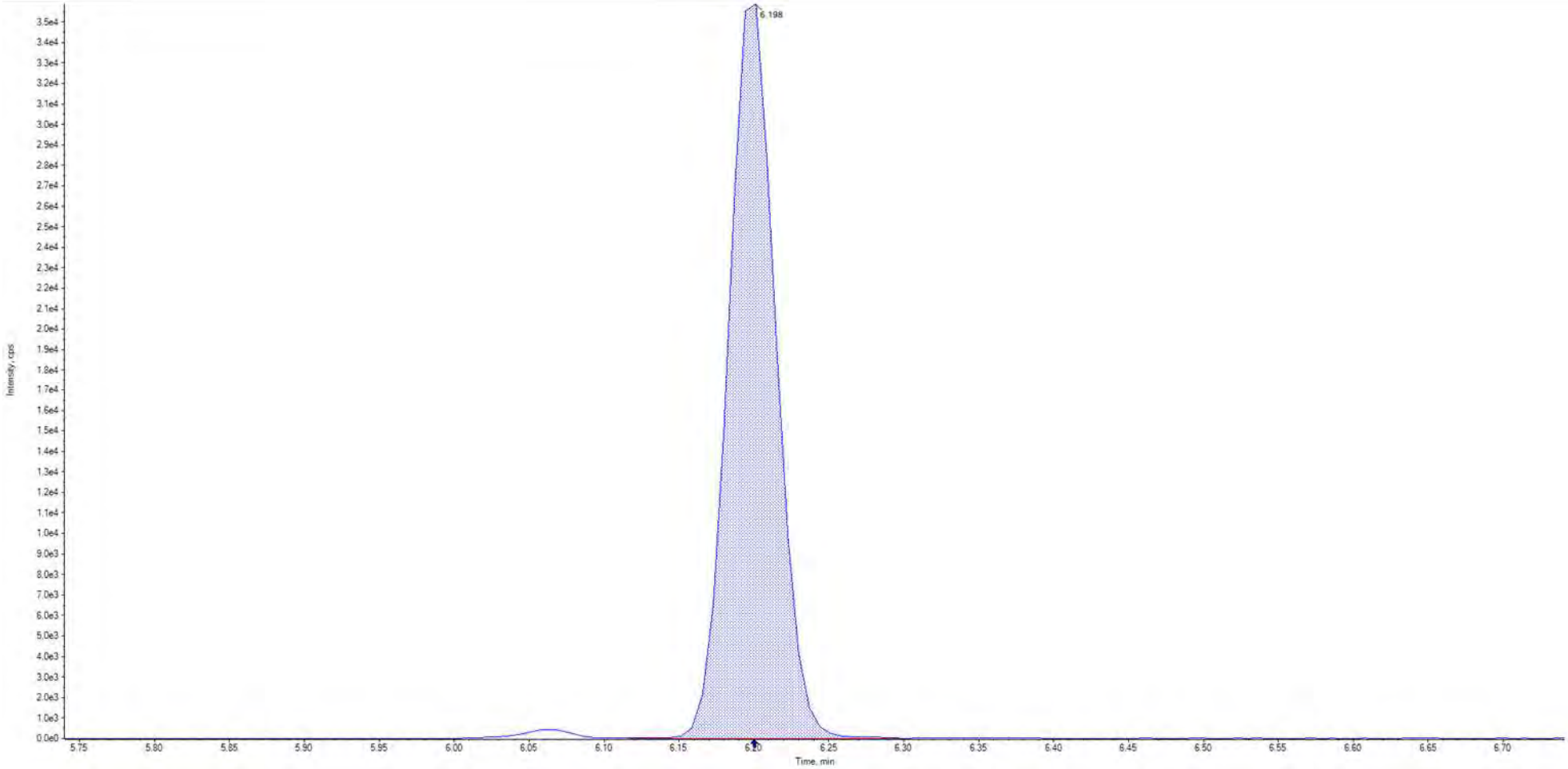

d3-NMeFOSAA
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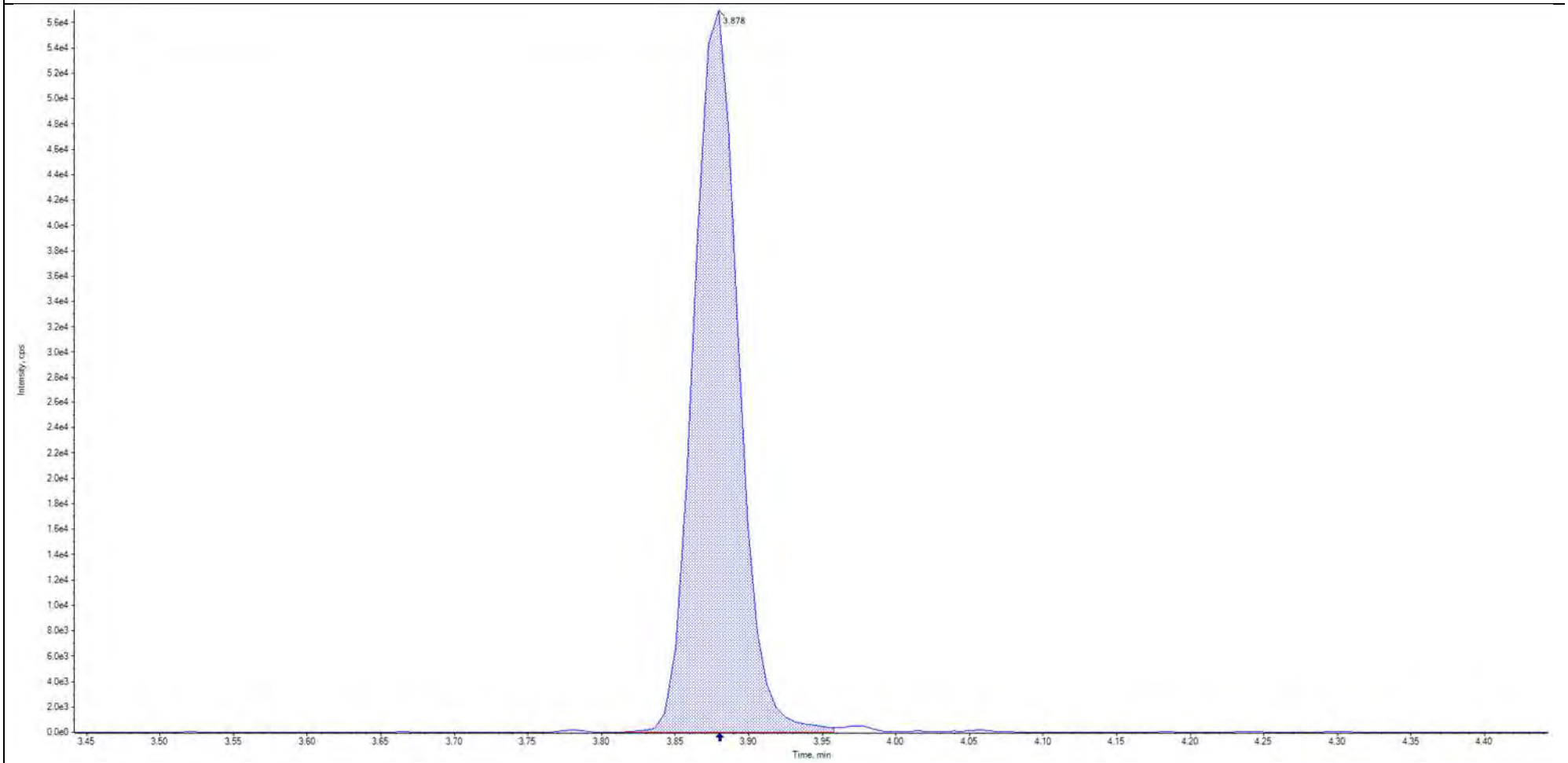
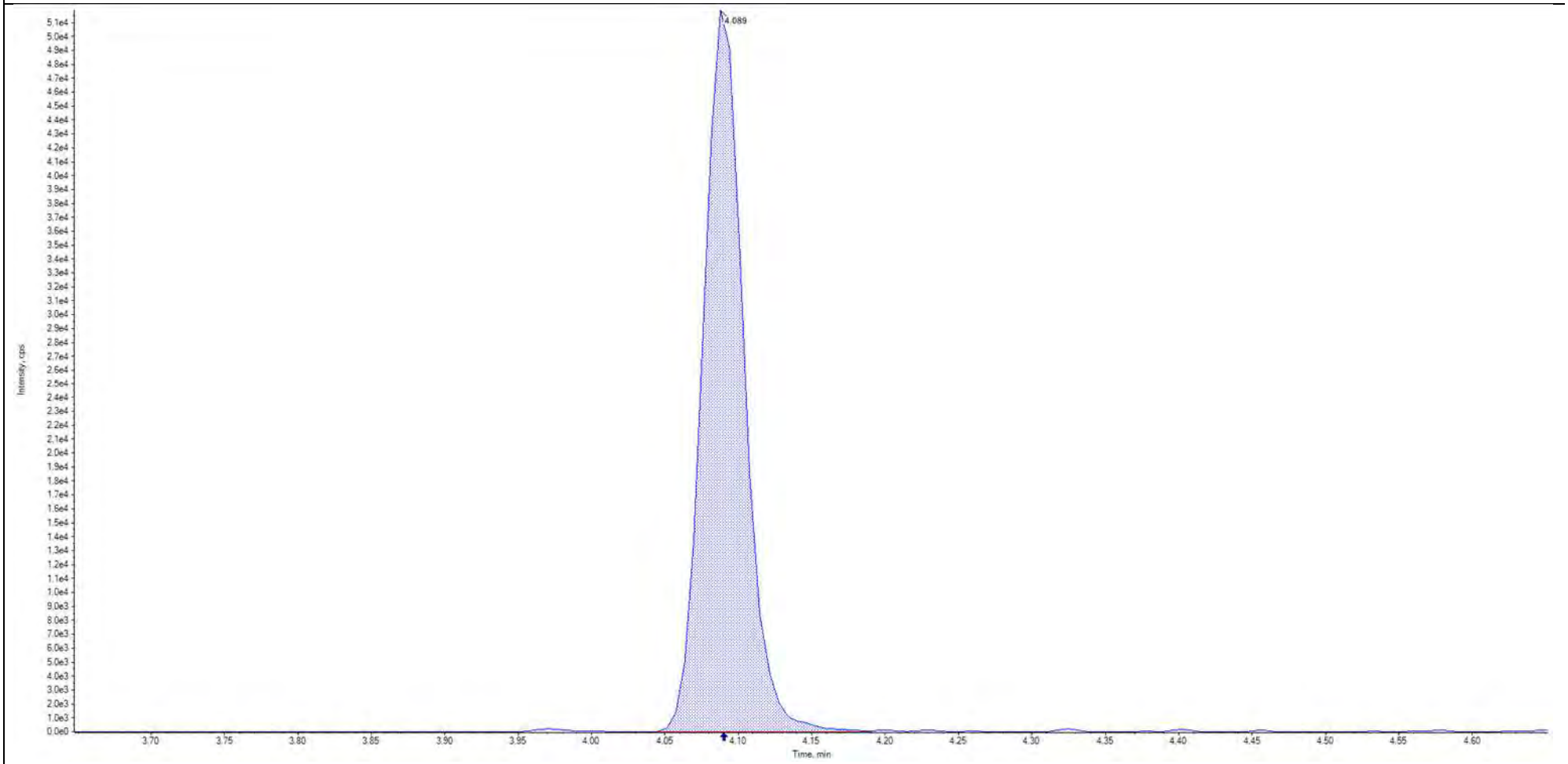


d5-NEtFOSAA
Sample: L2467934-05



d7-NMeFOSE
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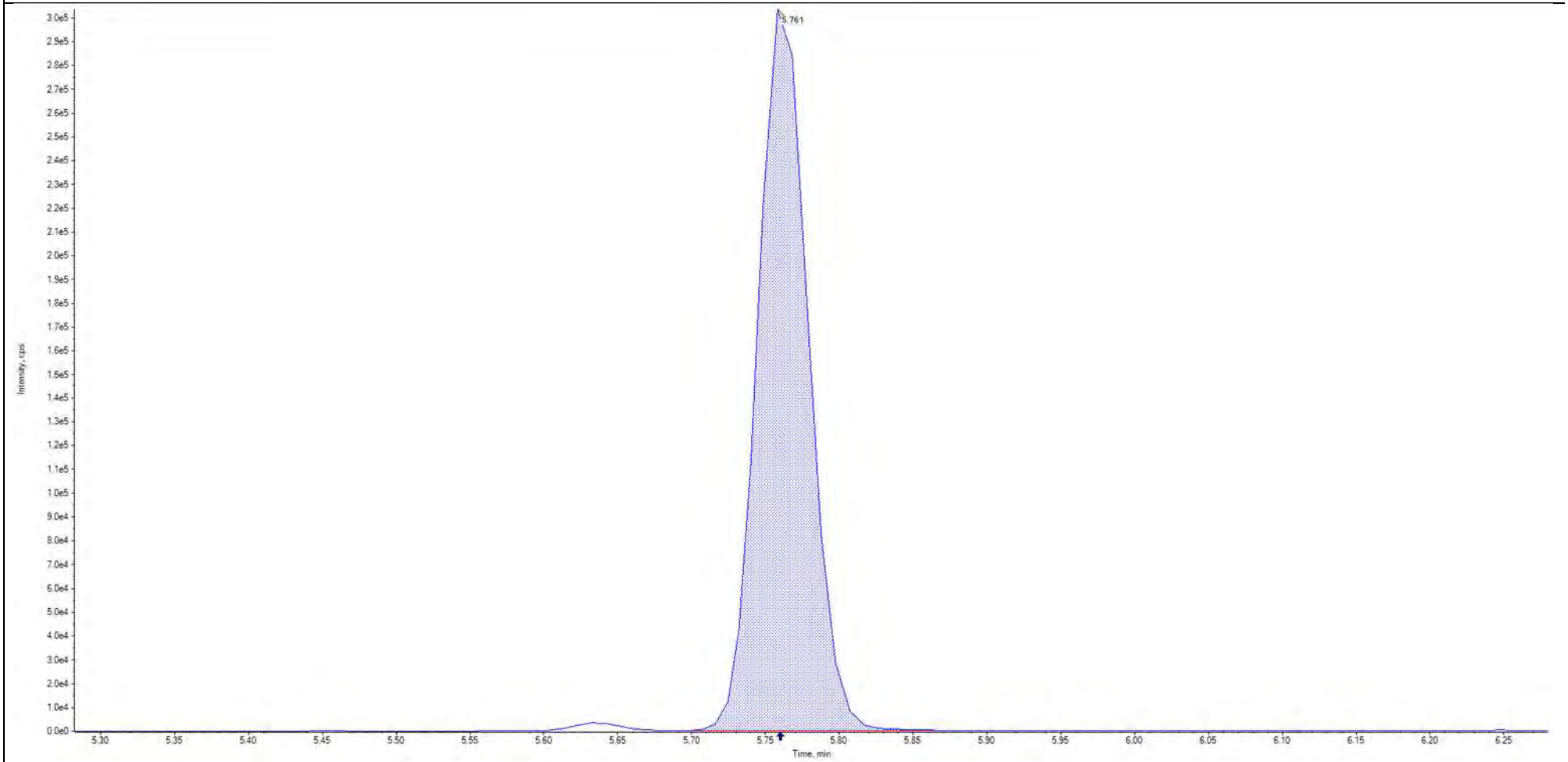

d9-NEtFOSE
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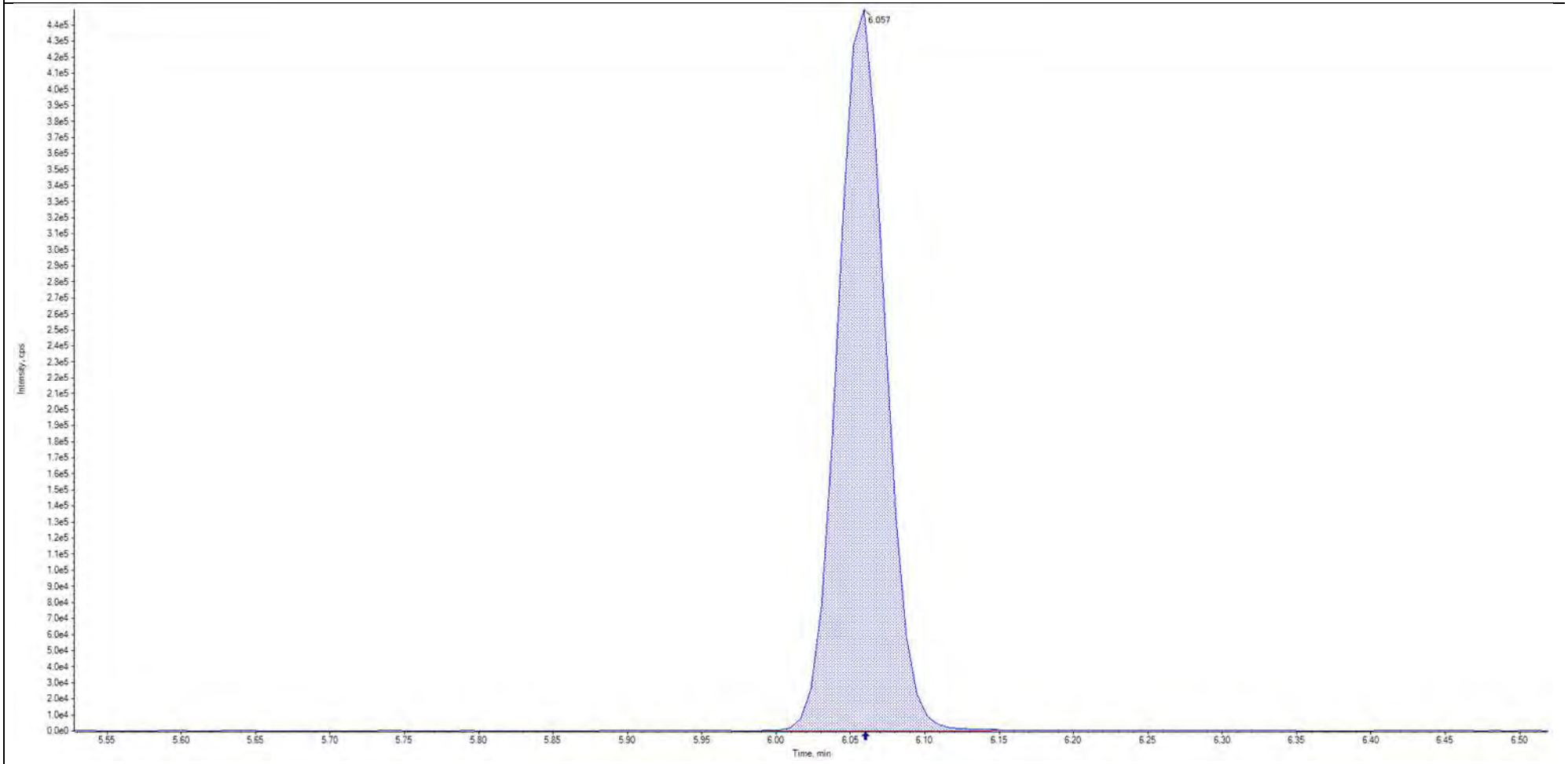

13C3-HFPO-DA
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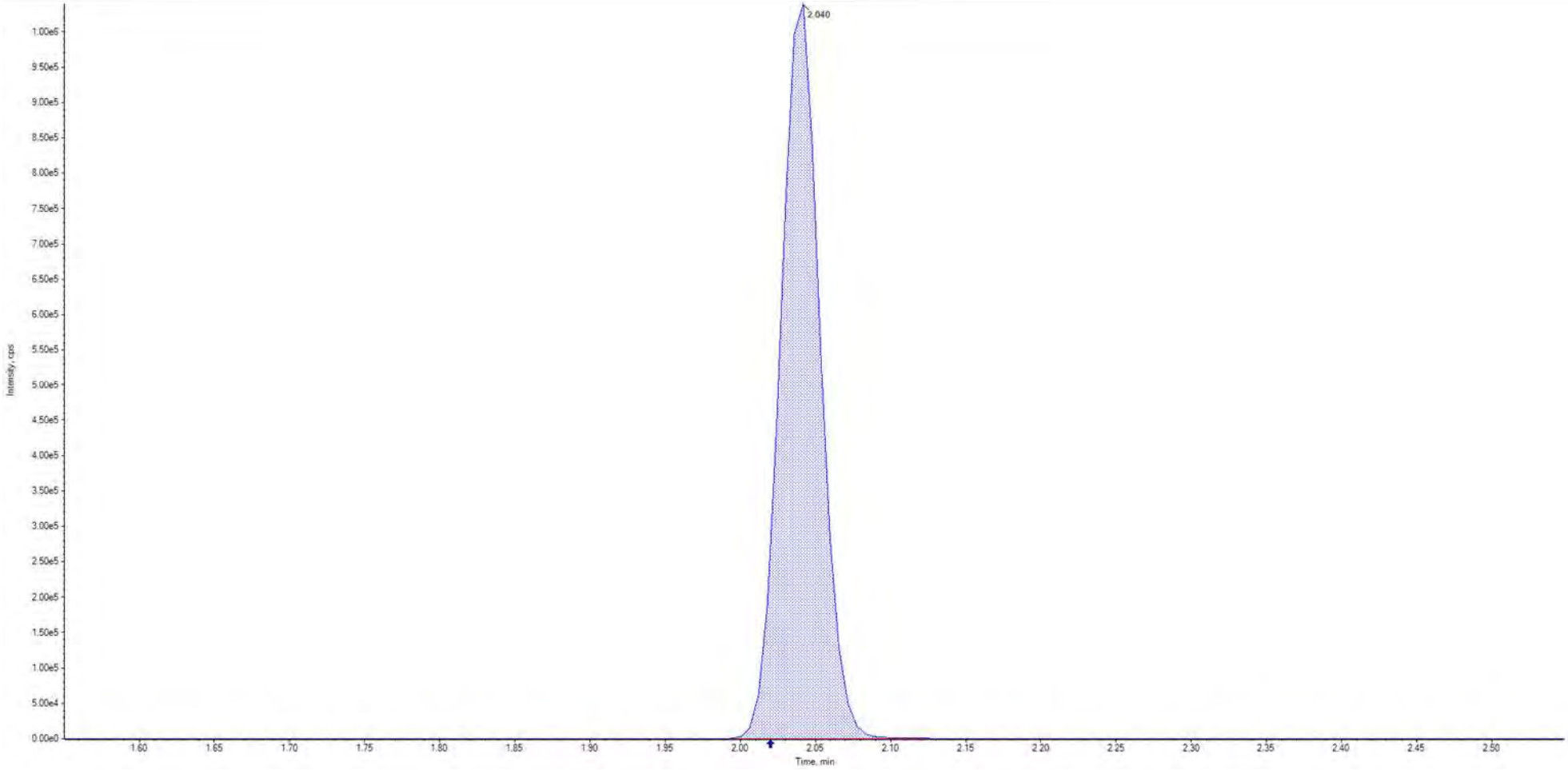

13C3-PFBA
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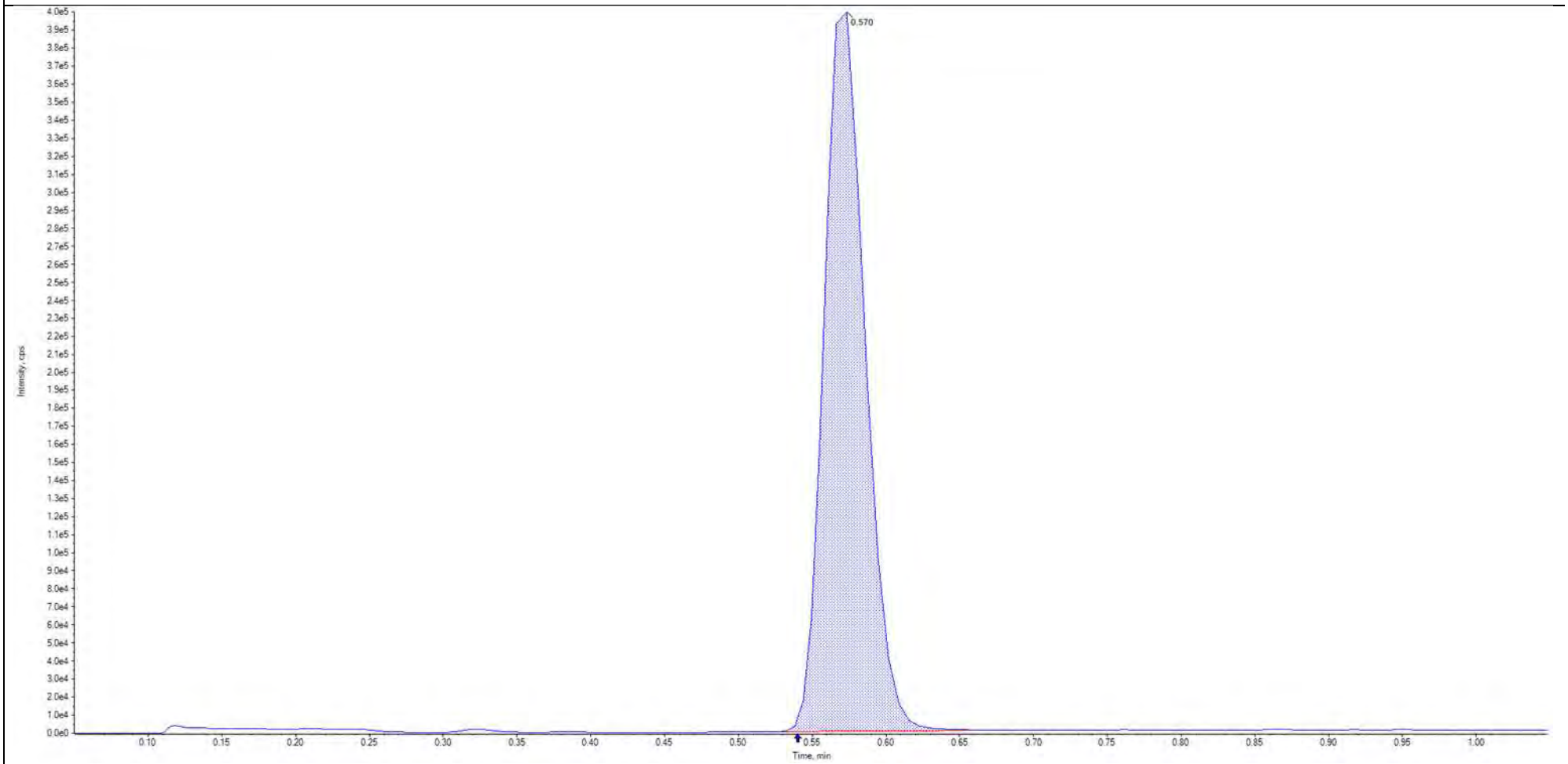

13C2-PFHxA
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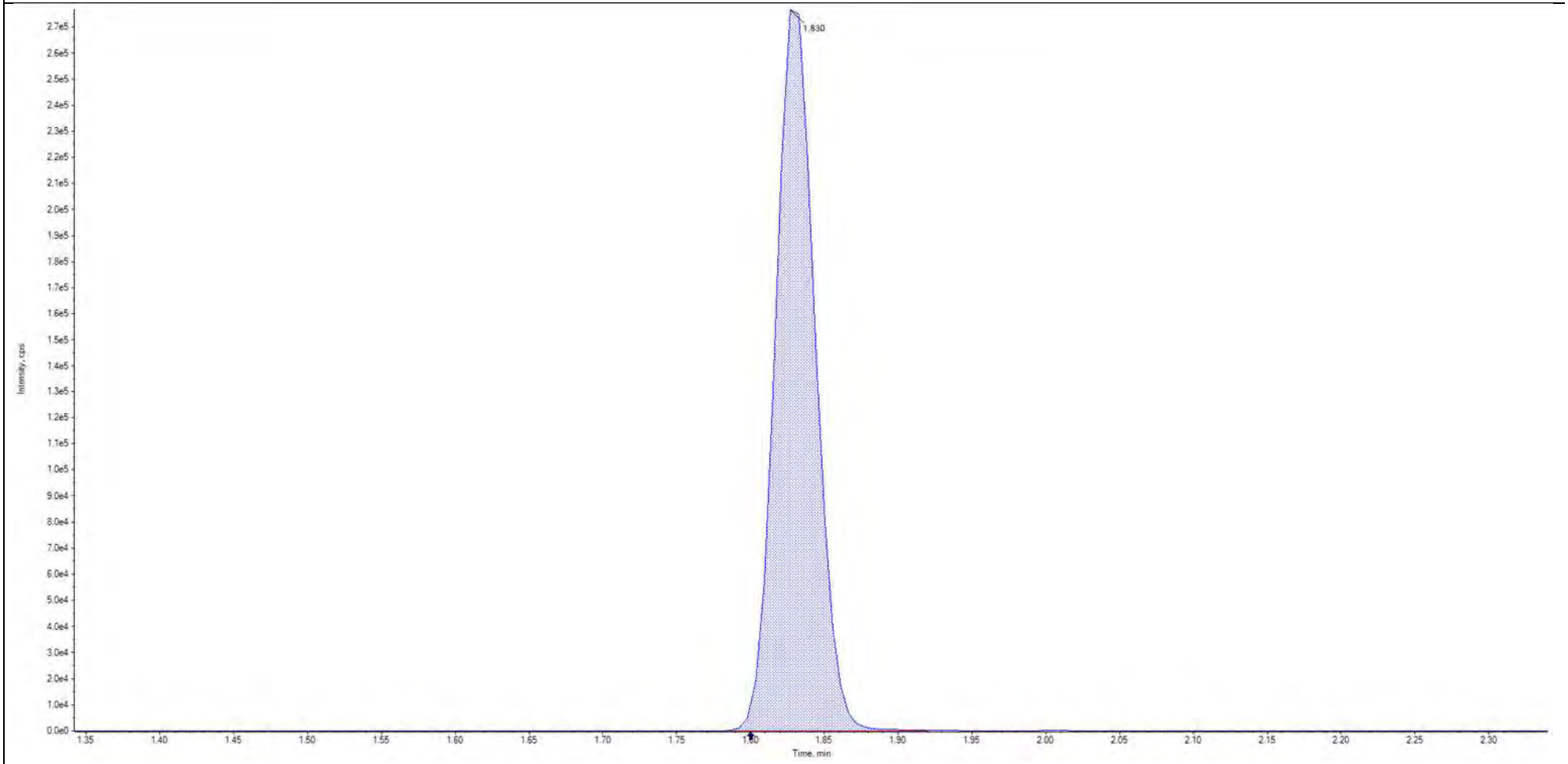
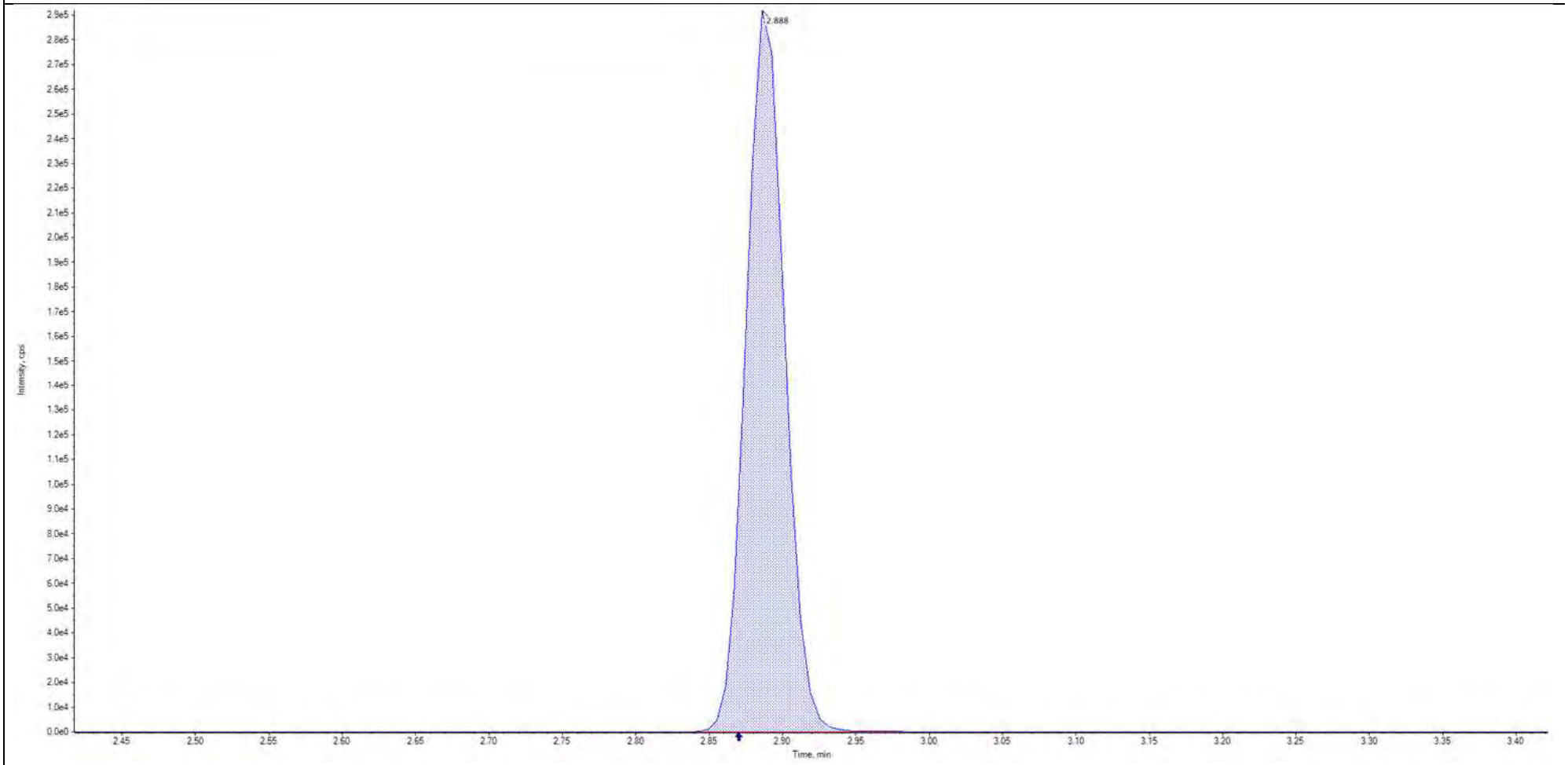


13C4-PFOA
Sample: L2467934-05



13C5-PFNA
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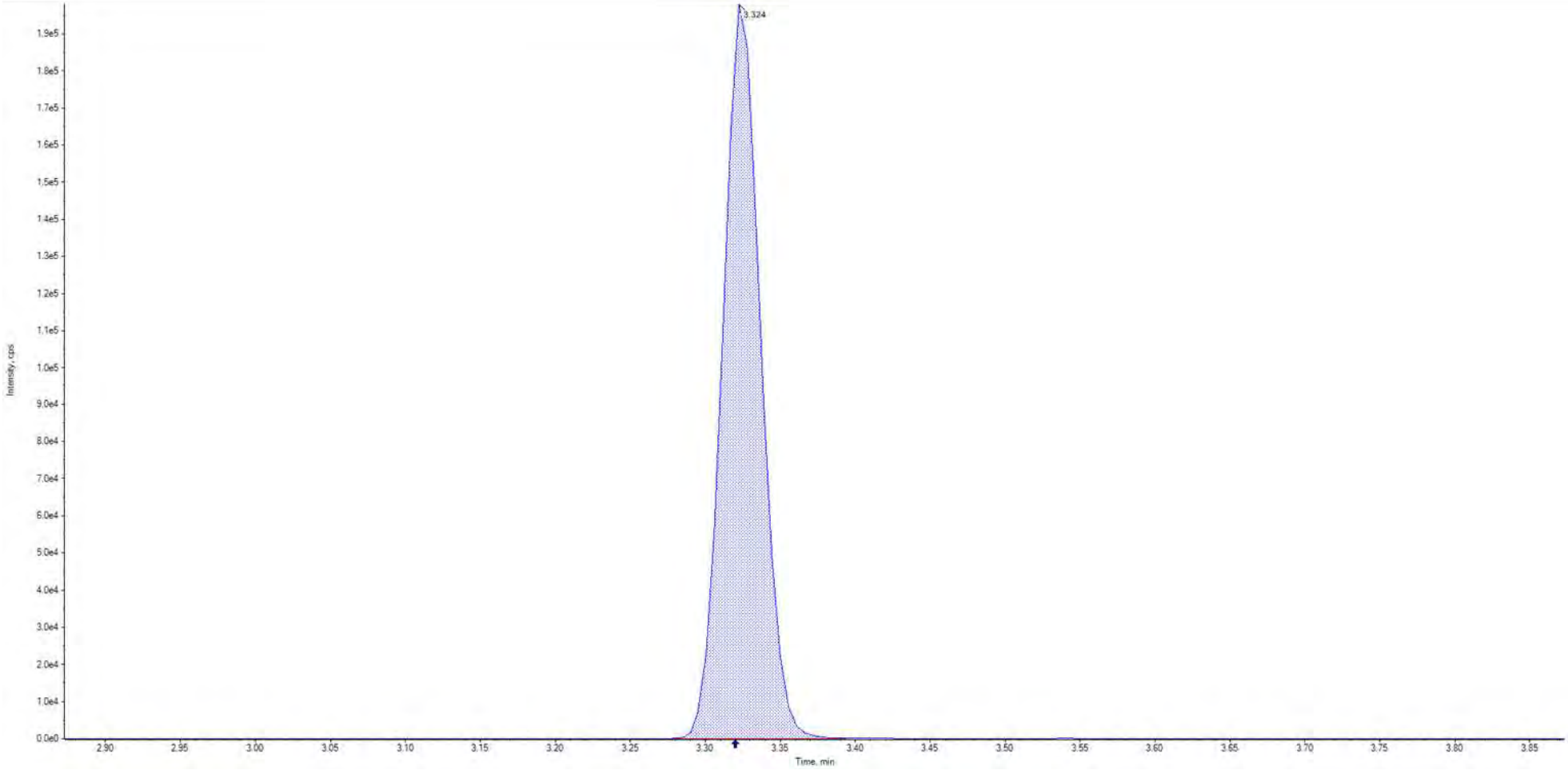

13C2-PFDA
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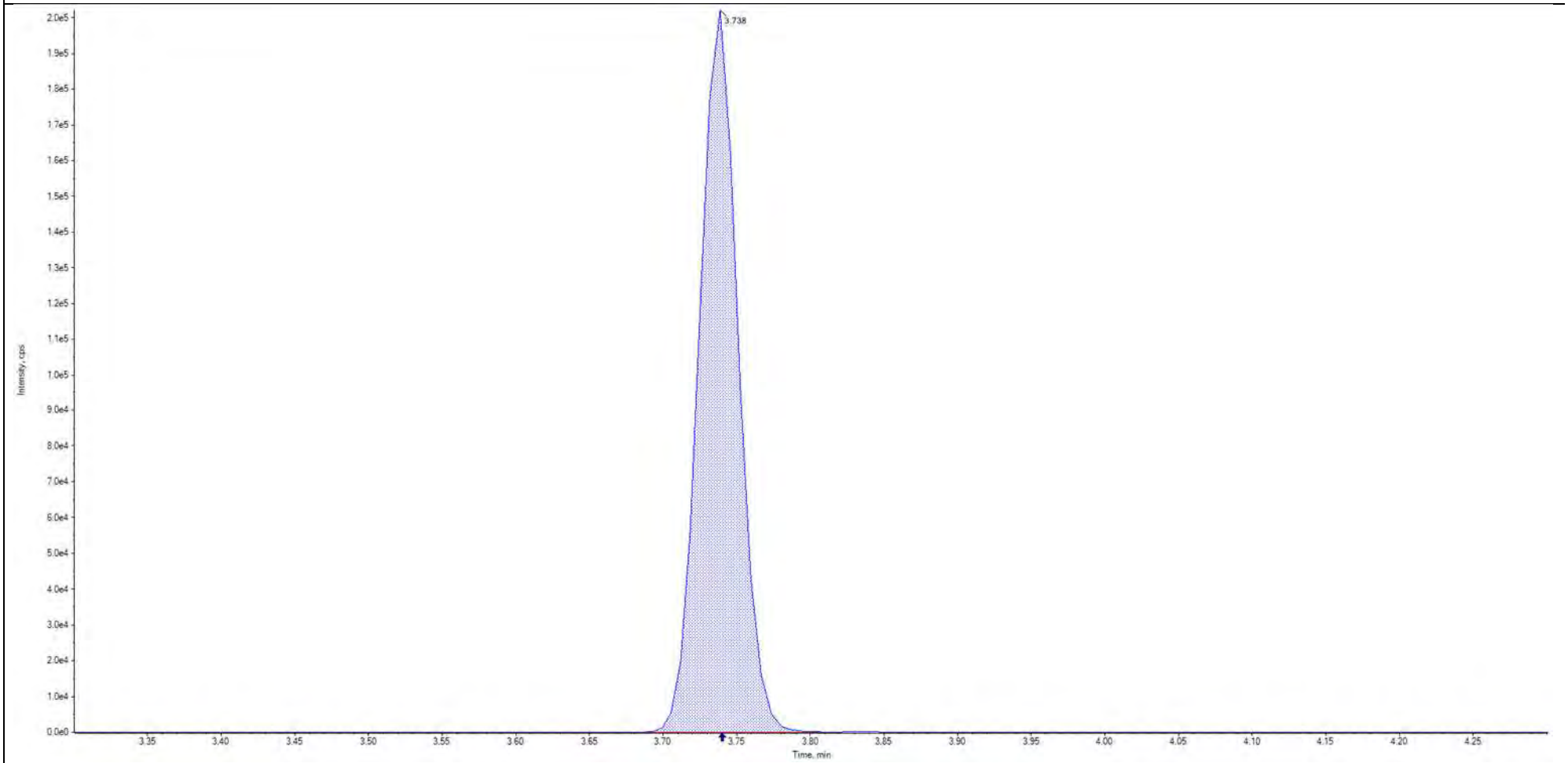

18O2-PFHxS
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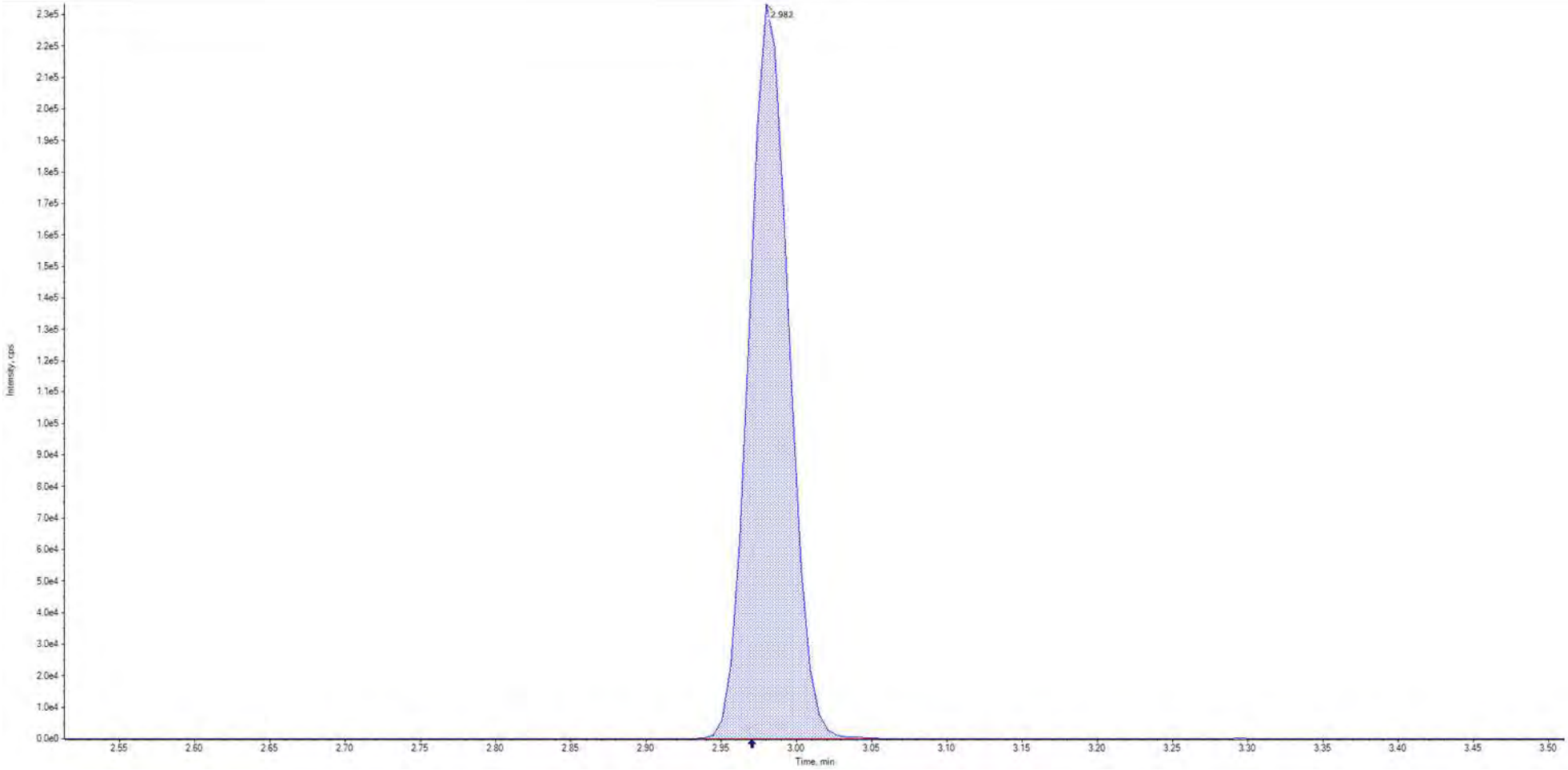

13C4-PFOS
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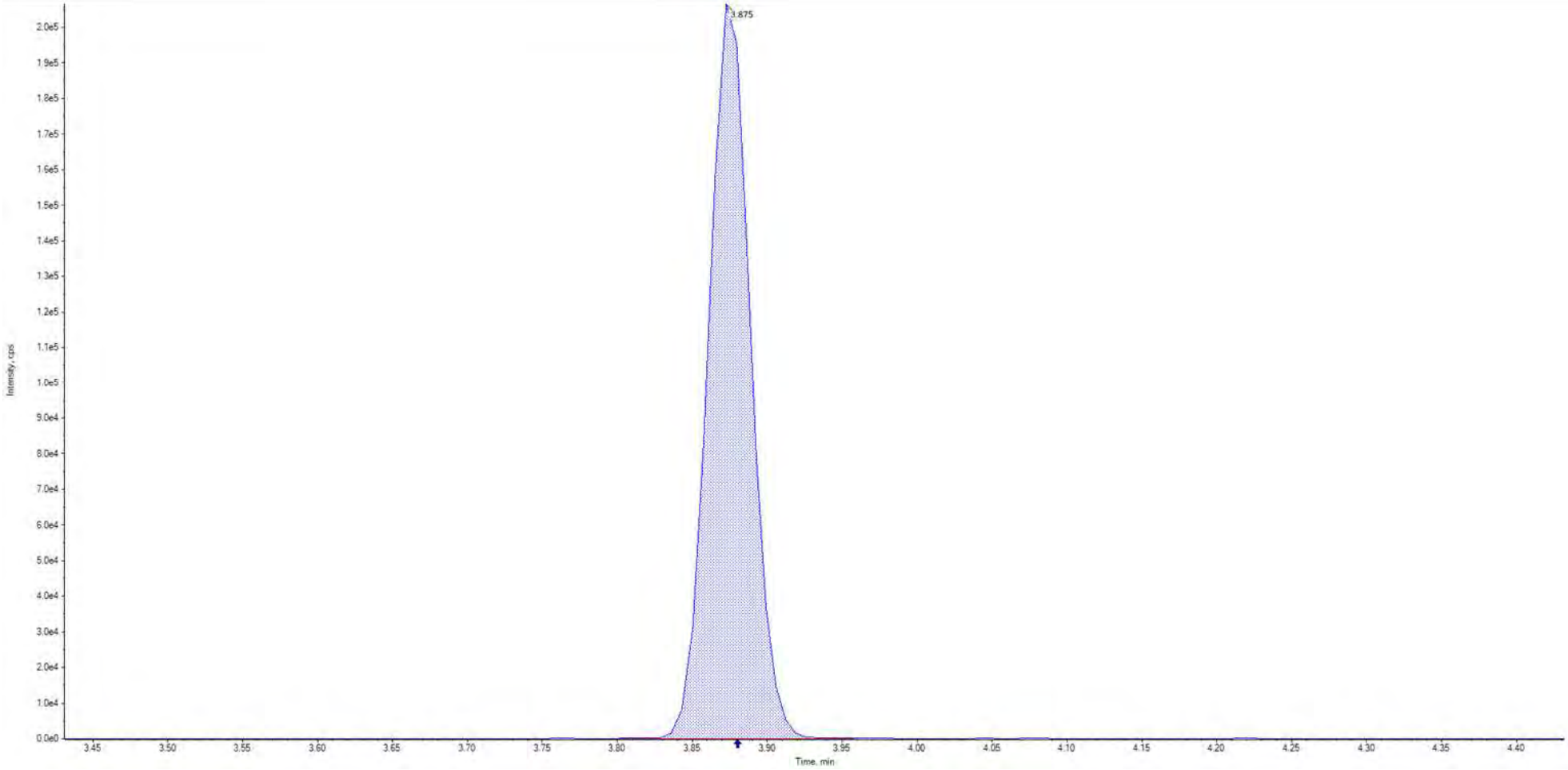

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_23.wiff2_8
Last Altered: 12/24/2024 7:52:08 AM
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Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/24/2024 7:52:08 AM
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Method: EPA1633F.qmethod
Calibration: 241112_1633_ICAL

ID: L2467934-07
Name: SCI09_241223_26.wiff2
Date & Time: 2024-12-23T23:23:45
Description: WG2012688,WG2012727,ICAL21696
Instrument: SCIEX Triple Quad 5500+
User: LCMS09:JW

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.56	213.0 / 169.0	80791		1.020	N/A	N/A	N/A	N/A
2	PFPeA	2706-90-3	1.08	263.0 / 219.0	128077		1.294	0.009	N/A	N/A	N/A
3	PFPeA_2	2706-90-3	1.07	263.0 / 68.9	1111	M2	1.288	0.009	N/A	N/A	N/A
4	PFHxA	307-24-4	1.82	313.0 / 269.0	195227		1.247	0.092	0.089	Pass	N/A
5	PFHxA_2	307-24-4	1.82	313.0 / 119.0	17962		1.263	0.092	0.089	Pass	N/A
6	PFHpA	375-85-9	2.40	363.1 / 319.0	203510		1.039	0.359	0.384	Pass	N/A
7	PFHpA_2	375-85-9	2.40	363.1 / 169.0	73141		0.960	0.359	0.384	Pass	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	2.88	413.1 / 369.1	464287	M5	2.569	0.376	0.410	Pass	N/A
9	PFOA_2	335-67-1	2.88	413.1 / 169.0	174385	M5	2.359	0.376	0.410	Pass	N/A
10	PFNA	375-95-1	3.32	462.8 / 418.9	22732		0.135	0.269	0.341	Pass	N/A
11	PFNA_2	375-95-1	3.32	462.8 / 219.0	6111		0.105	0.269	0.341	Pass	N/A
12	PFDA	335-76-2	N/A	513.1 / 469.1	N/A		N/A	N/A	0.215	N/A	N/A
13	PFDA_2	335-76-2	N/A	513.1 / 219.0	N/A		N/A	N/A	0.215	N/A	N/A
14	PFUnA	2058-94-8	N/A	563.1 / 519.1	N/A		N/A	N/A	0.151	N/A	N/A
15	PFUnA_2	2058-94-8	N/A	563.1 / 269.0	N/A		N/A	N/A	0.151	N/A	N/A
16	PFDoA	307-55-1	N/A	613.1 / 569.1	N/A		N/A	N/A	0.140	N/A	N/A
17	PFDoA_2	307-55-1	N/A	613.1 / 319.0	N/A		N/A	N/A	0.140	N/A	N/A
18	PFTrDA	72629-94-8	N/A	663.1 / 619.1	N/A		N/A	N/A	0.159	N/A	N/A
19	PFTrDA_2	72629-94-8	N/A	663.1 / 169.0	N/A		N/A	N/A	0.159	N/A	N/A
20	PFTeDA	376-06-7	N/A	713.1 / 669.1	N/A		N/A	N/A	0.159	N/A	N/A
21	PFTeDA_2	376-06-7	N/A	713.1 / 169.0	N/A		N/A	N/A	0.159	N/A	N/A
22	PFBS	375-73-5	1.81	299.1 / 80.1	50999		0.342	0.430	0.398	Pass	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	1.81	299.1 / 99.1	21929		0.423	0.430	0.398	Pass	N/A
24	PFPeS	2706-91-4	2.45	349.1 / 80.1	20932		0.155	0.330	0.285	Pass	N/A
25	PFPeS_2	2706-91-4	2.45	349.1 / 99.1	6917		0.163	0.330	0.285	Pass	N/A
26	PFHxS	355-46-4	2.98	399.1 / 80.1	120299	M5	0.926	0.297	0.293	Pass	N/A
27	PFHxS_2	355-46-4	2.98	399.1 / 99.1	35681	M5	0.956	0.297	0.293	Pass	N/A
28	PFHpS	375-92-8	N/A	449.1 / 80.1	N/A		N/A	N/A	0.308	N/A	N/A
29	PFHpS_2	375-92-8	N/A	449.1 / 99.1	N/A		N/A	N/A	0.308	N/A	N/A
30	PFOS	1763-23-1	3.87	499.1 / 80.1	66411	M5	0.498	0.208	0.241	Pass	N/A
31	PFOS_2	1763-23-1	3.87	499.1 / 99.1	13818	M5	0.427	0.208	0.241	Pass	N/A
32	PFNS	68259-12-1	N/A	549.1 / 80.1	N/A		N/A	N/A	0.299	N/A	N/A
33	PFNS_2	68259-12-1	N/A	549.1 / 99.1	N/A		N/A	N/A	0.299	N/A	N/A
34	PFDS	335-77-3	N/A	599.1 / 80.1	N/A		N/A	N/A	0.274	N/A	N/A
35	PFDS_2	335-77-3	N/A	599.1 / 99.1	N/A		N/A	N/A	0.274	N/A	N/A
36	PFDoS	79780-39-5	N/A	699.2 / 80.1	N/A		N/A	N/A	0.247	N/A	N/A
37	PFDoS_2	79780-39-5	N/A	699.2 / 99.1	N/A		N/A	N/A	0.247	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	N/A	327.1 / 307.1	N/A		N/A	N/A	0.634	N/A	N/A
39	4:2FTS_2	757124-72-4	N/A	327.1 / 81.1	N/A		N/A	N/A	0.634	N/A	N/A
40	6:2FTS	27619-97-2	2.70	427.2 / 407.2	6247		0.096	0.757	0.609	Pass	N/A
41	6:2FTS_2	27619-97-2	2.70	427.2 / 81.1	4732		0.117	0.757	0.609	Pass	N/A
42	8:2FTS	39108-34-4	N/A	527.2 / 507.2	N/A		N/A	N/A	0.681	N/A	N/A
43	8:2FTS_2	39108-34-4	N/A	527.2 / 81.1	N/A		N/A	N/A	0.681	N/A	N/A
44	PFOSA	754-91-6	N/A	498.1 / 78.1	N/A		N/A	N/A	0.024	N/A	N/A
45	PFOSA_2	754-91-6	N/A	498.1 / 478.0	N/A		N/A	N/A	0.024	N/A	N/A
46	NMeFOSA	31506-32-8	N/A	512.2 / 219.0	N/A		N/A	N/A	1.421	N/A	N/A
47	NMeFOSA_2	31506-32-8	N/A	512.2 / 169.0	N/A		N/A	N/A	1.421	N/A	N/A
48	NEtFOSA	4151-50-2	N/A	526.2 / 219.0	N/A		N/A	N/A	1.258	N/A	N/A
49	NEtFOSA_2	4151-50-2	N/A	526.2 / 169.0	N/A		N/A	N/A	1.258	N/A	N/A
50	NMeFOSAA	2355-31-9	N/A	570.2 / 419.1	N/A		N/A	N/A	0.683	N/A	N/A
51	NMeFOSAA_2	2355-31-9	N/A	570.2 / 483.0	N/A		N/A	N/A	0.683	N/A	N/A
52	NEtFOSAA	2991-50-6	N/A	584.2 / 419.1	N/A		N/A	N/A	0.571	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	N/A	584.2 / 526.2	N/A		N/A	N/A	0.571	N/A	N/A
54	NMeFOSE	24448-09-7	N/A	616.1 / 58.9	N/A		N/A	N/A	N/A	N/A	N/A
55	NEtFOSE	1691-99-2	N/A	630.0 / 58.9	N/A		N/A	N/A	N/A	N/A	N/A
56	HFPO-DA	13252-13-6	2.03	285.0 / 169.0	2789		0.023	0.871	0.510	Fail	N/A
57	HFPO-DA_2	13252-13-6	2.03	285.0 / 184.9	2428		0.038	0.871	0.510	Fail	N/A
58	ADONA	919005-14-4	N/A	376.9 / 251.0	N/A		N/A	N/A	0.636	N/A	N/A
59	ADONA_2	919005-14-4	N/A	376.9 / 84.8	N/A		N/A	N/A	0.636	N/A	N/A
60	9Cl-PF3ONS	756426-58-1	N/A	530.8 / 351.1	N/A		N/A	N/A	0.326	N/A	N/A
61	9Cl-PF3ONS_2	756426-58-1	N/A	532.8 / 353.0	N/A		N/A	N/A	0.326	N/A	N/A
62	11Cl-PF3OUdS	763051-92-9	N/A	630.9 / 451.0	N/A		N/A	N/A	0.318	N/A	N/A
63	11Cl-PF3OUdS_2	763051-92-9	N/A	632.9 / 452.9	N/A		N/A	N/A	0.318	N/A	N/A
64	3:3FTCA	356-02-5	N/A	241.1 / 177.1	N/A		N/A	N/A	1.068	N/A	N/A
65	3:3FTCA_2	356-02-5	N/A	241.1 / 117.0	N/A		N/A	N/A	1.068	N/A	N/A
66	5:3FTCA	914637-49-3	N/A	341.1 / 237.1	N/A		N/A	N/A	1.045	N/A	N/A
67	5:3FTCA_2	914637-49-3	N/A	341.1 / 217.0	N/A		N/A	N/A	1.045	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	N/A	441.1 / 316.9	N/A		N/A	N/A	1.285	N/A	N/A
69	7:3FTCA_2	812-70-4	N/A	441.1 / 337.1	N/A		N/A	N/A	1.285	N/A	N/A
70	PFEESA	113507-82-7	N/A	315.1 / 135.0	N/A		N/A	N/A	0.081	N/A	N/A
71	PFEESA_2	113507-82-7	N/A	315.1 / 82.9	N/A		N/A	N/A	0.081	N/A	N/A
72	PFMPA	377-73-1	N/A	229.0 / 85.0	N/A		N/A	N/A	N/A	N/A	N/A
73	PFMBA	863090-89-5	N/A	279.0 / 85.0	N/A		N/A	N/A	N/A	N/A	N/A
74	NFDHA	151772-58-6	N/A	295.0 / 201.0	N/A		N/A	N/A	0.681	N/A	N/A
75	NFDHA_2	151772-58-6	N/A	295.0 / 84.9	N/A		N/A	N/A	0.681	N/A	N/A
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	5.357	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	5.357	N/A	N/A
78	13C2D4-4:2FTS	Surr	N/A	333.2 / 312.1	N/A		N/A	N/A	N/A	N/A	N/A
79	13C2-PFOA	Surr	N/A	415.0 / 370.0	N/A		N/A	N/A	N/A	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.56	217.0 / 172.0	929443		8.771	NA	NA	NA	87.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.07	268.0 / 223.0	564766		4.262	NA	NA	NA	85.2
	13C5-PFHxA	EIS	1.82	318.0 / 273.0	341522		2.443	NA	NA	NA	97.7
	13C4-PFHpA	EIS	2.39	367.0 / 322.0	321579		2.756	NA	NA	NA	110.2
	13C8-PFOA	EIS	2.88	420.8 / 376.0	558943		1.892	NA	NA	NA	75.7
	13C9-PFNA	EIS	3.32	472.0 / 427.0	237264		1.078	NA	NA	NA	86.3
	13C6-PFDA	EIS	3.73	519.0 / 474.0	247853		1.057	NA	NA	NA	84.6
	13C7-PFUnA	EIS	4.13	570.0 / 525.0	261727		1.005	NA	NA	NA	80.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.51	615.1 / 570.0	241647		0.869	NA	NA	NA	69.5
	13C2-PFTeDA	EIS	5.24	715.1 / 670.1	153924		0.746	NA	NA	NA	59.7
	13C3-PFBS	EIS	1.81	302.1 / 80.1	346556		2.087	NA	NA	NA	89.6
	13C3-PFHxS	EIS	2.97	402.1 / 80.1	299369		2.035	NA	NA	NA	85.9
	13C8-PFOS	EIS	3.87	507.1 / 80.1	303078		2.104	NA	NA	NA	87.7
	13C2-4:2FTS	EIS	1.62	329.1 / 81.1	219512		9.513	NA	NA	NA	202.8
	13C2-6:2FTS	EIS	2.70	429.2 / 81.1	198132		9.674	NA	NA	NA	203.2
	13C2-8:2FTS	EIS	3.55	529.2 / 81.1	127664		5.267	NA	NA	NA	109.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	5.17	506.1 / 78.1	387835		1.586	NA	NA	NA	63.4
	d3-NMeFOSA	EIS	5.90	515.2 / 219.0	64156		1.602	NA	NA	NA	64.1
	d5-NEtFOSA	EIS	6.19	531.2 / 219.0	57141		1.573	NA	NA	NA	62.9
	d3-NMeFOSAA	EIS	3.87	573.2 / 419.1	106535		4.285	NA	NA	NA	85.7
	d5-NEtFOSAA	EIS	4.08	589.3 / 419.1	81780		3.338	NA	NA	NA	66.8
	d7-NMeFOSE	EIS	5.75	623.2 / 58.9	491905		18.966	NA	NA	NA	75.9
	d9-NEtFOSE	EIS	6.05	639.2 / 58.9	665142		19.058	NA	NA	NA	76.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.03	287.0 / 169.0	1265799		9.271	NA	NA	NA	92.7
	13C3-PFBA	NIS	0.56	216.0 / 172.0	461937		3.643	NA	NA	NA	72.9
	13C2-PFHxA	NIS	1.82	315.0 / 270.0	387896		2.604	NA	NA	NA	104.2
	13C4-PFOA	NIS	2.88	417.0 / 372.0	471035		3.267	NA	NA	NA	130.7
	13C5-PFNA	NIS	3.32	468.0 / 423.0	273960		1.342	NA	NA	NA	107.3
	13C2-PFDA	NIS	3.73	515.1 / 470.1	278361		1.320	NA	NA	NA	105.6
	18O2-PFHxS	NIS	2.97	403.1 / 84.1	307218		2.633	NA	NA	NA	111.1
	13C4-PFOS	NIS	3.87	503.1 / 80.1	286852		2.286	NA	NA	NA	95.2

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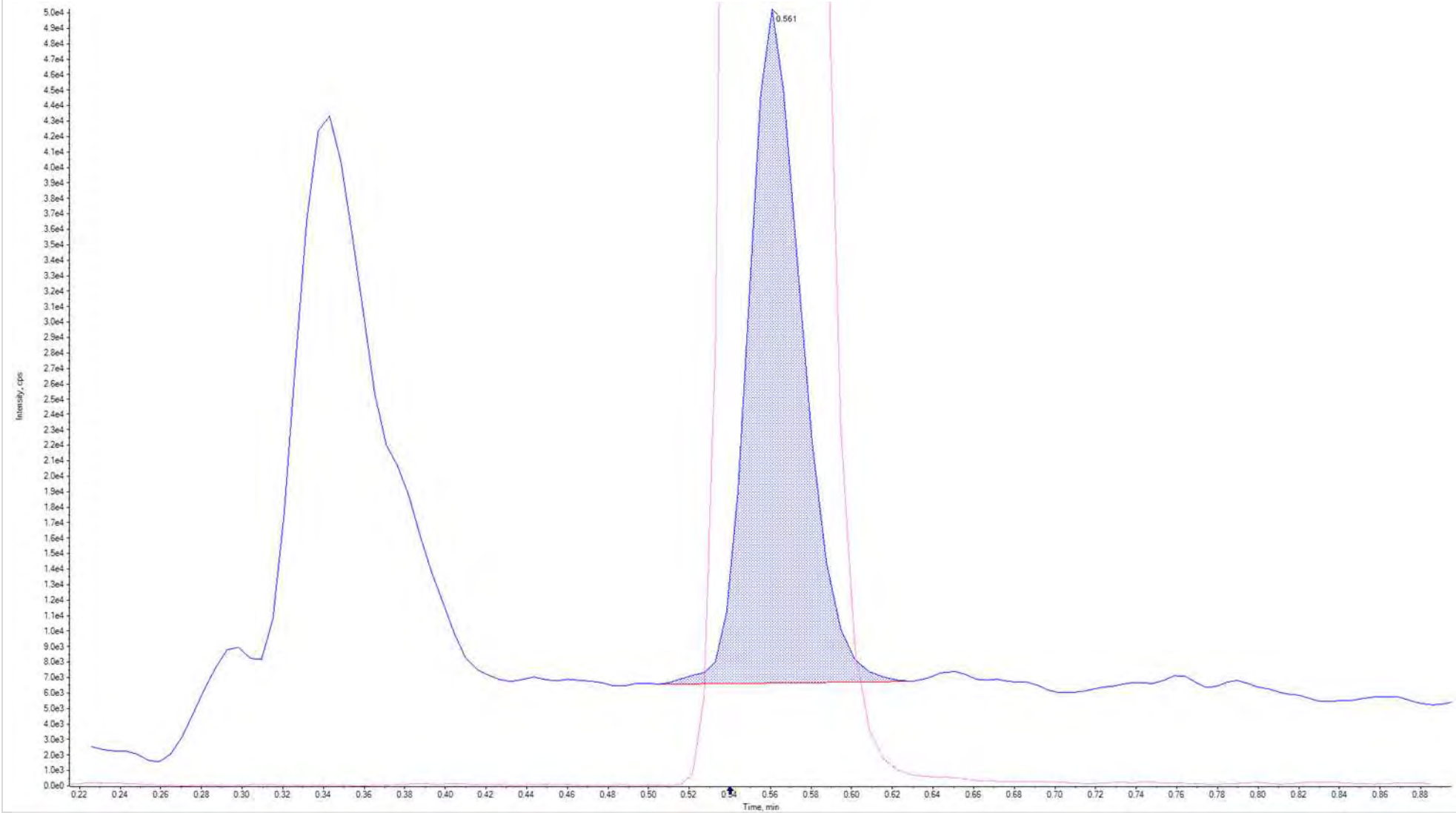
PFBA
Sample: L2467934-07 S/N:138.3 Points Across peak:21



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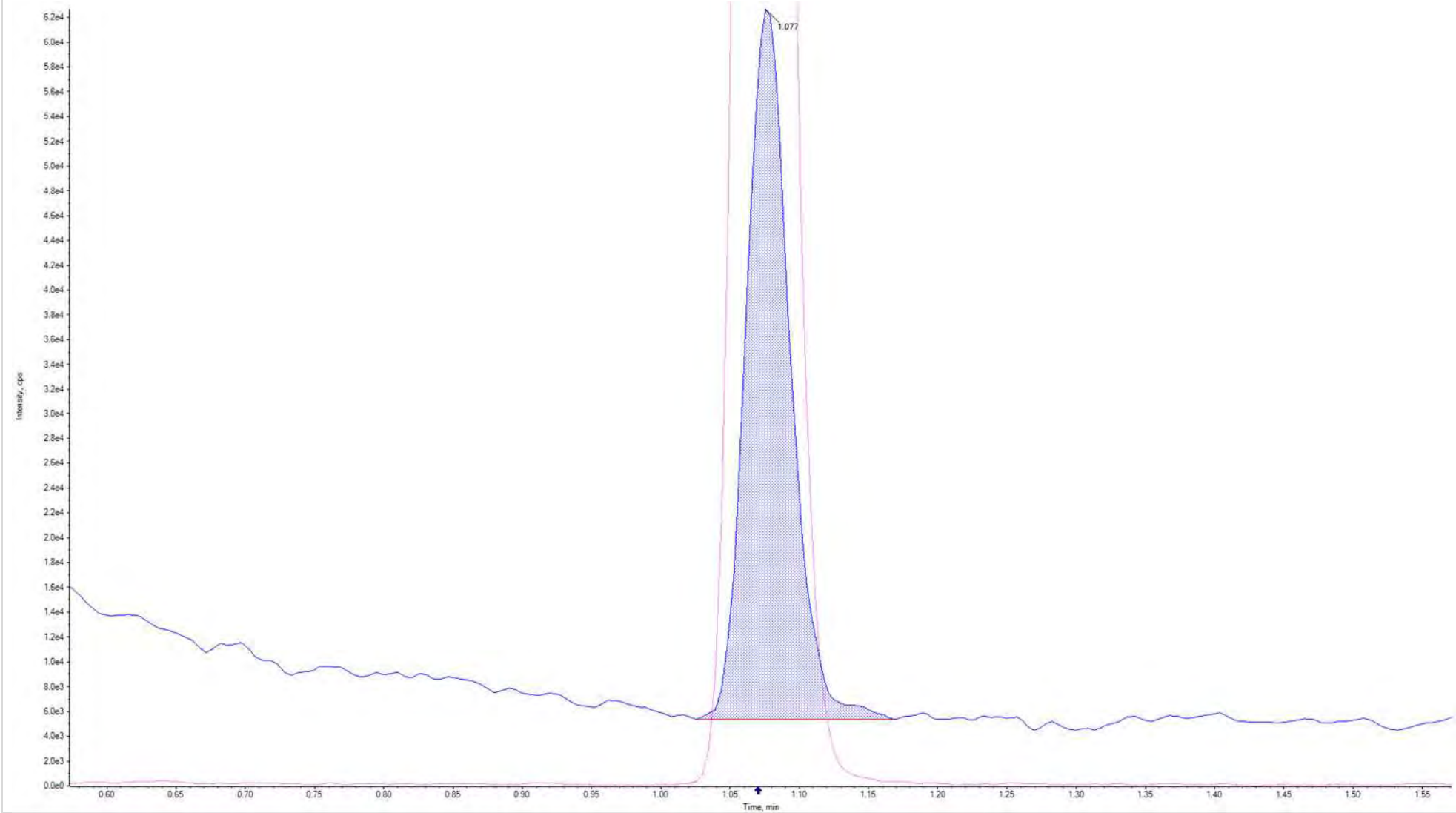
PFPeA
Sample: L2467934-07 S/N:305.2 Points Across peak:39



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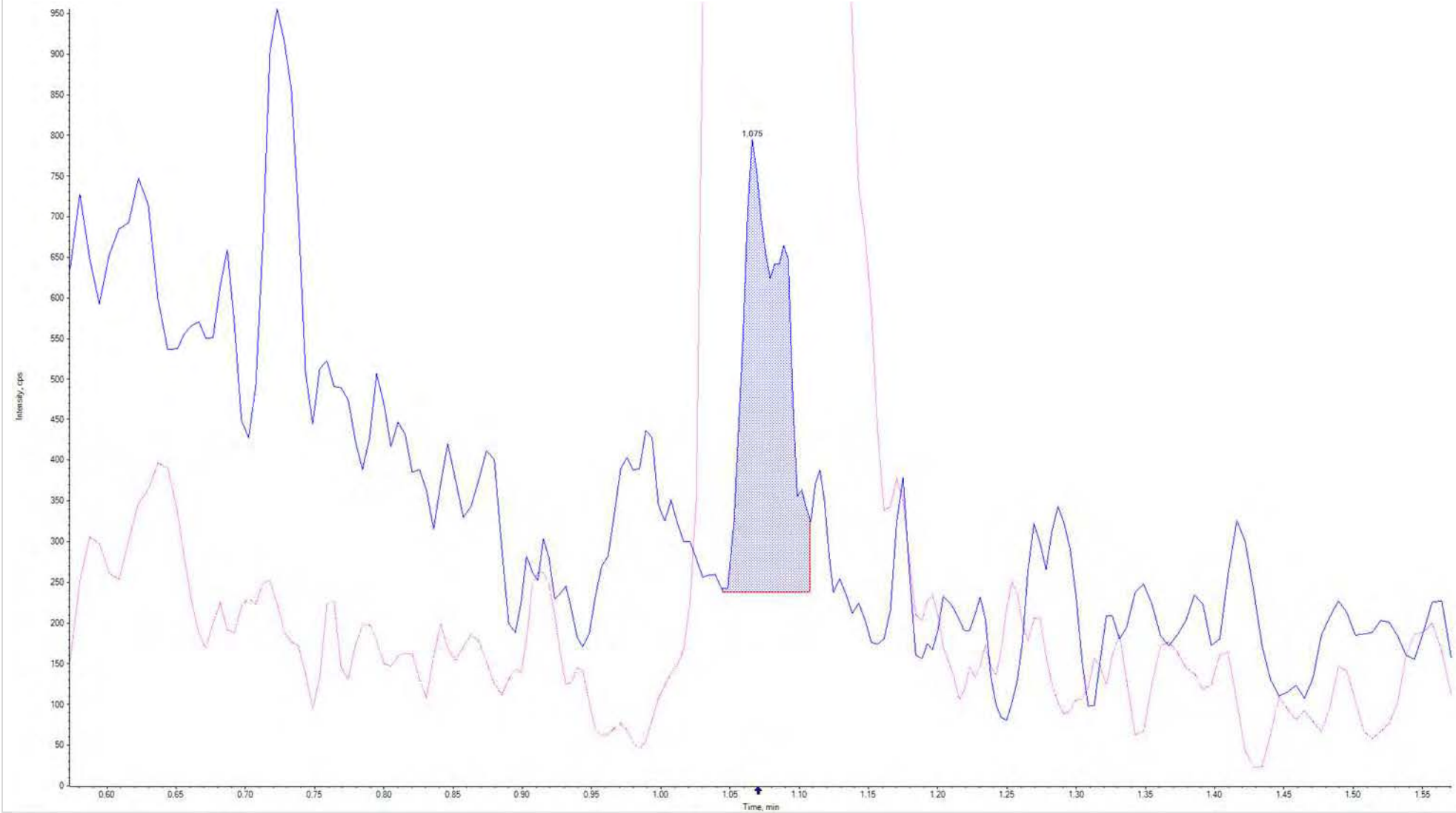
PFPeA_2
Sample: L2467934-07 S/N:30.1 Points Across peak:20



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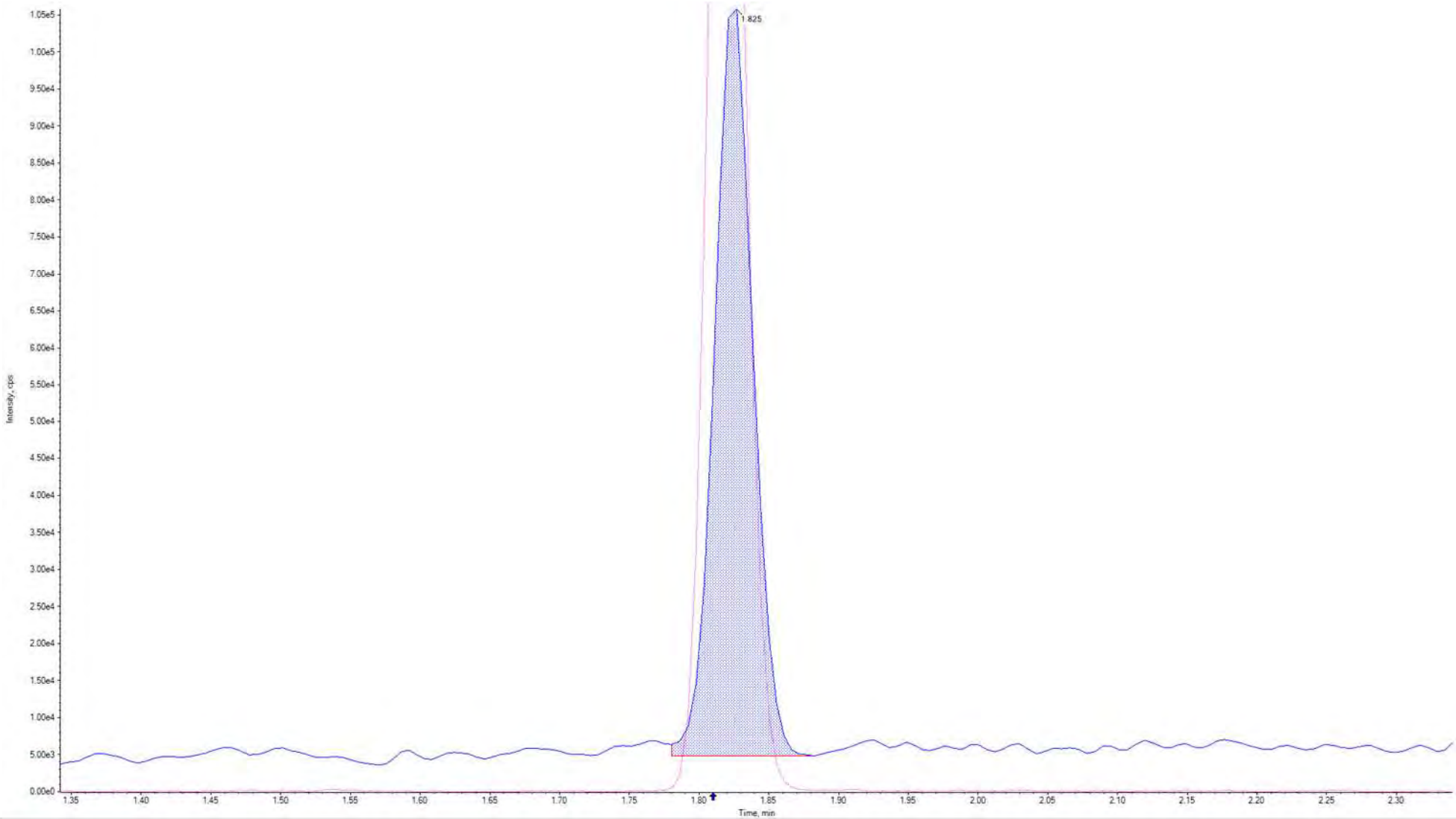
PFHxA
Sample: L2467934-07 S/N:270.4 Points Across peak:19



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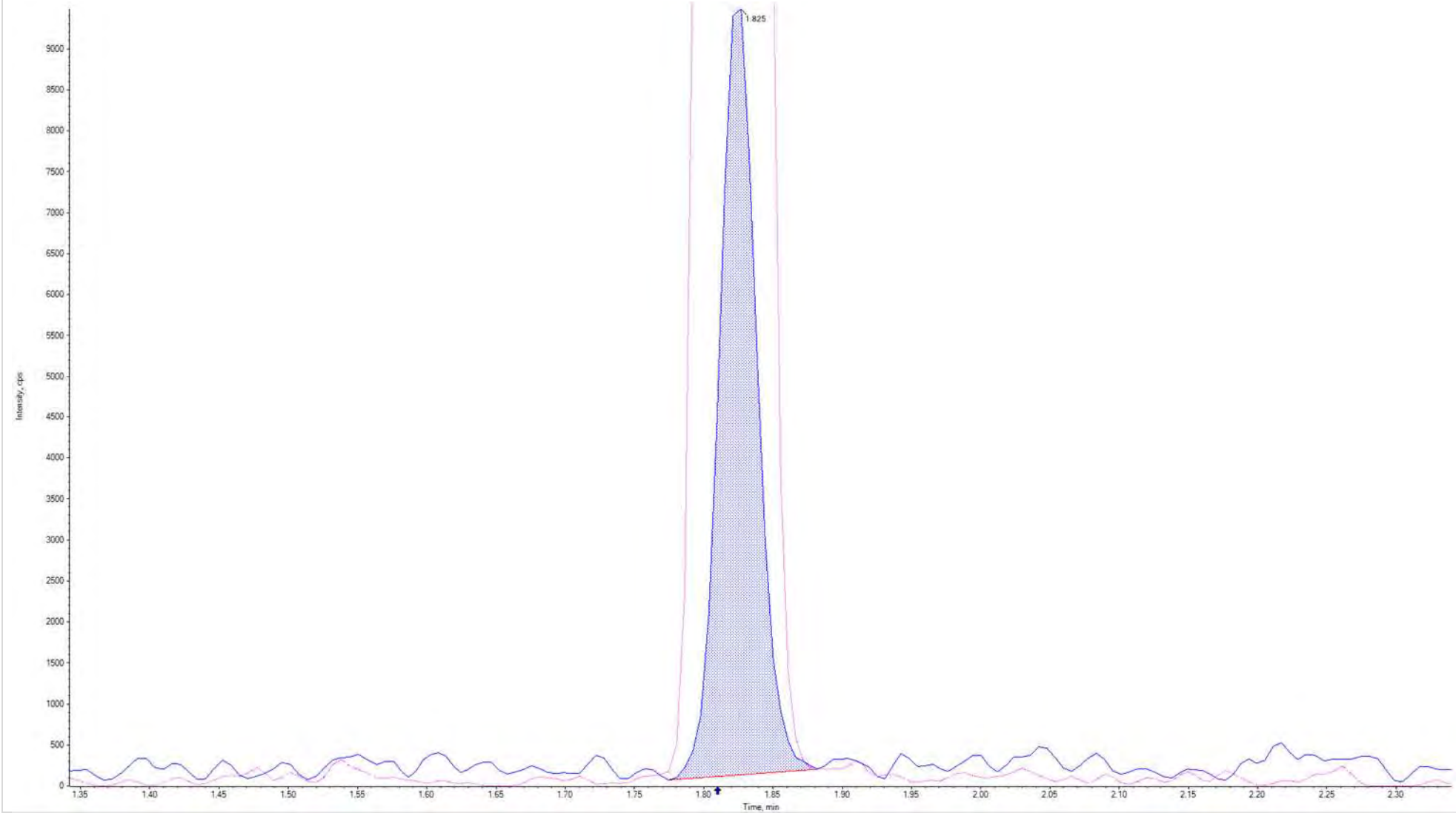
PFHxA_2
Sample: L2467934-07 S/N:234.3 Points Across peak:20



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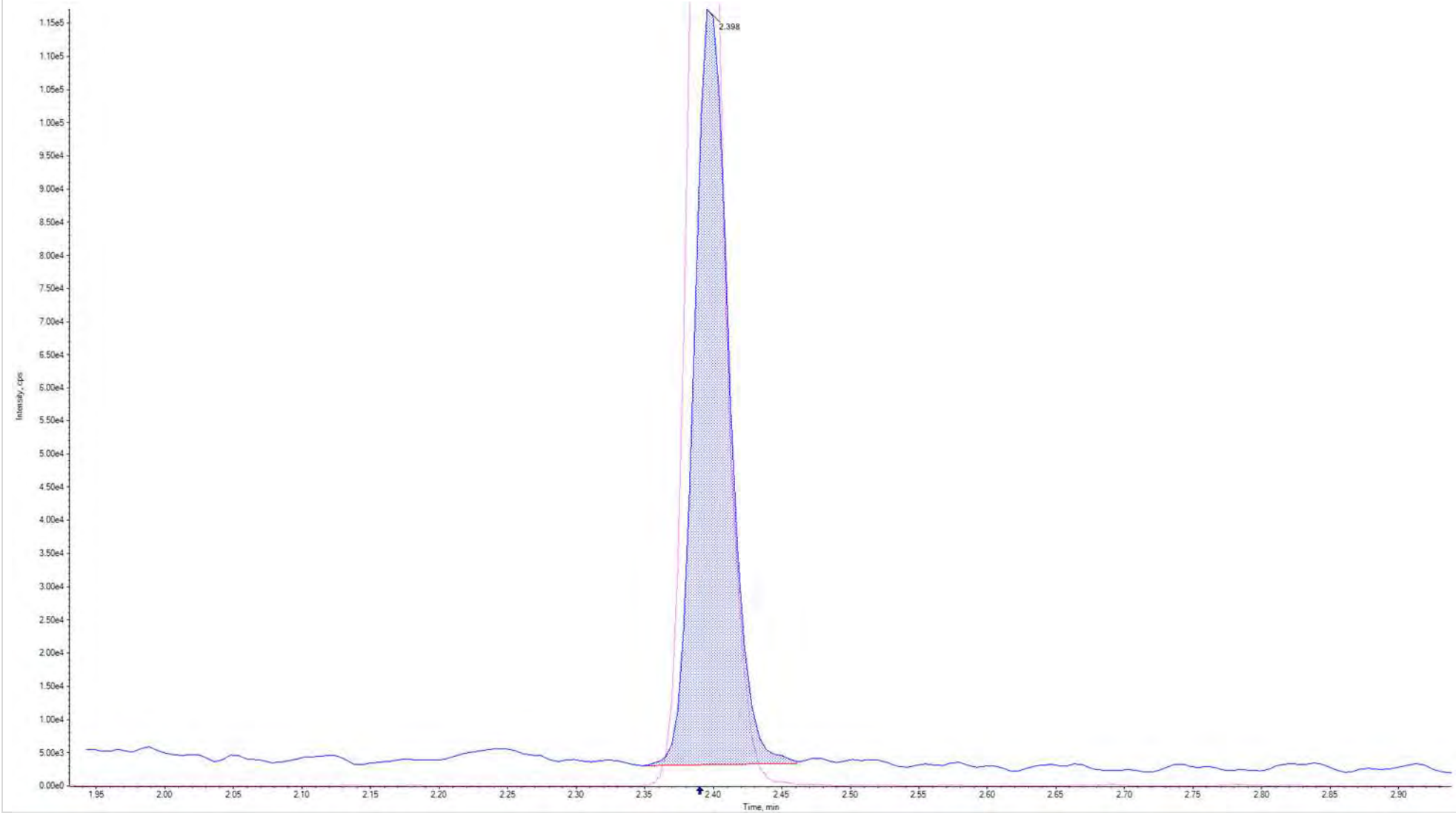
PFHpA
Sample: L2467934-07 S/N:436.6 Points Across peak:25



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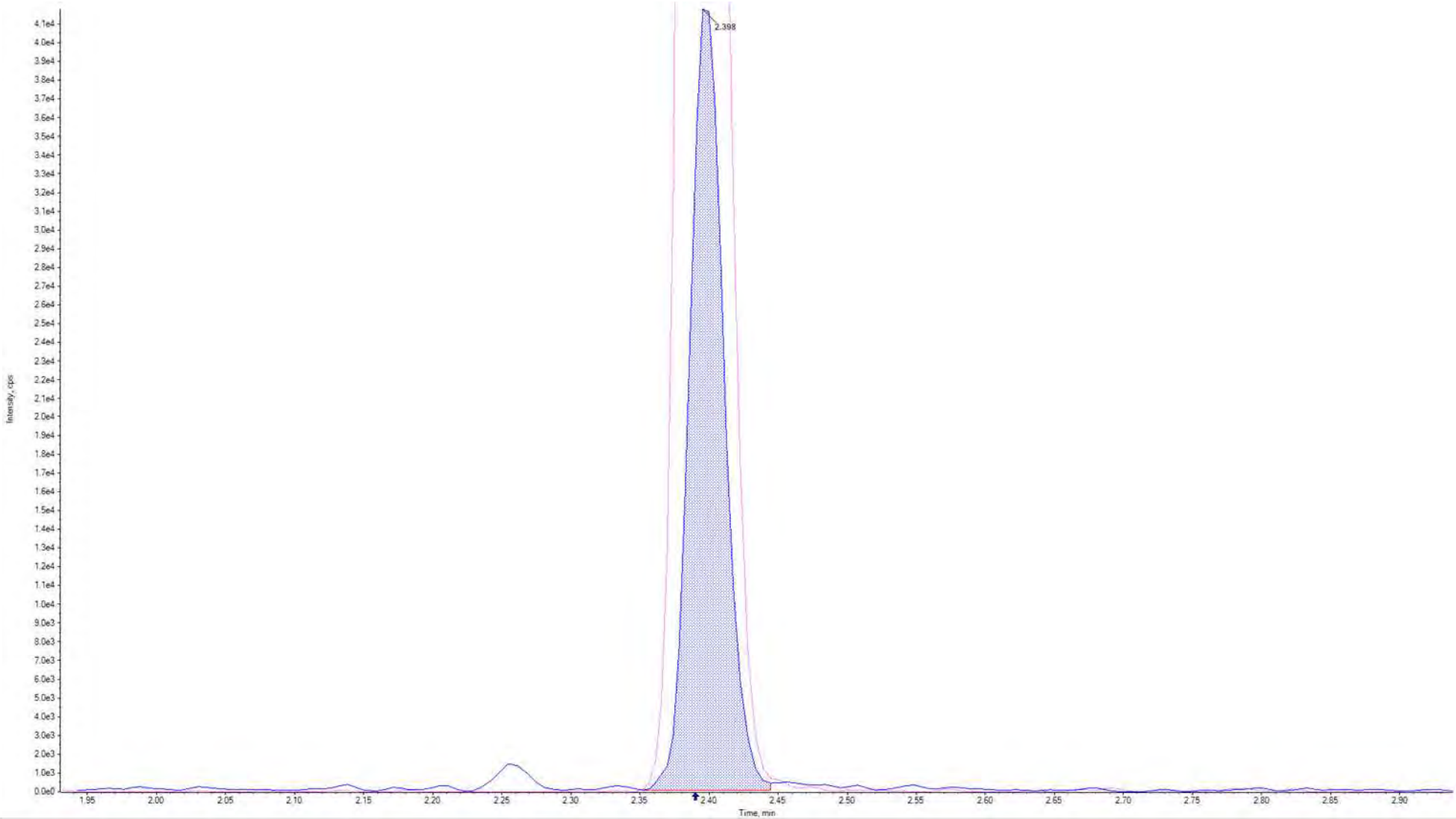
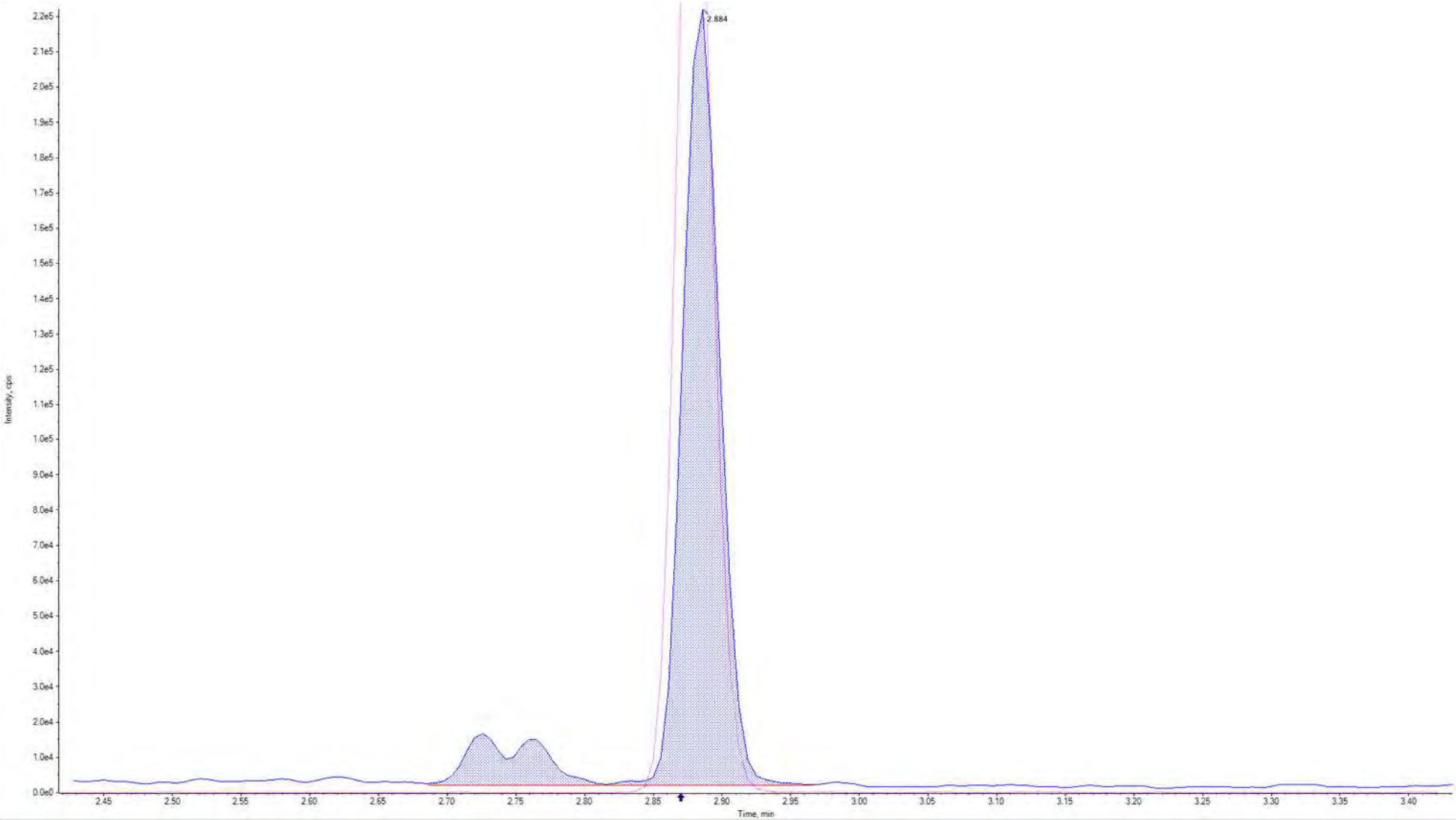
PFHpA_2
Sample: L2467934-07 S/N:836.3 Points Across peak:21



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_26.wiff2_11
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFOA
Sample: L2467934-07 S/N:322.5 Points Across peak:49



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/24/2024 7:52:08 AM
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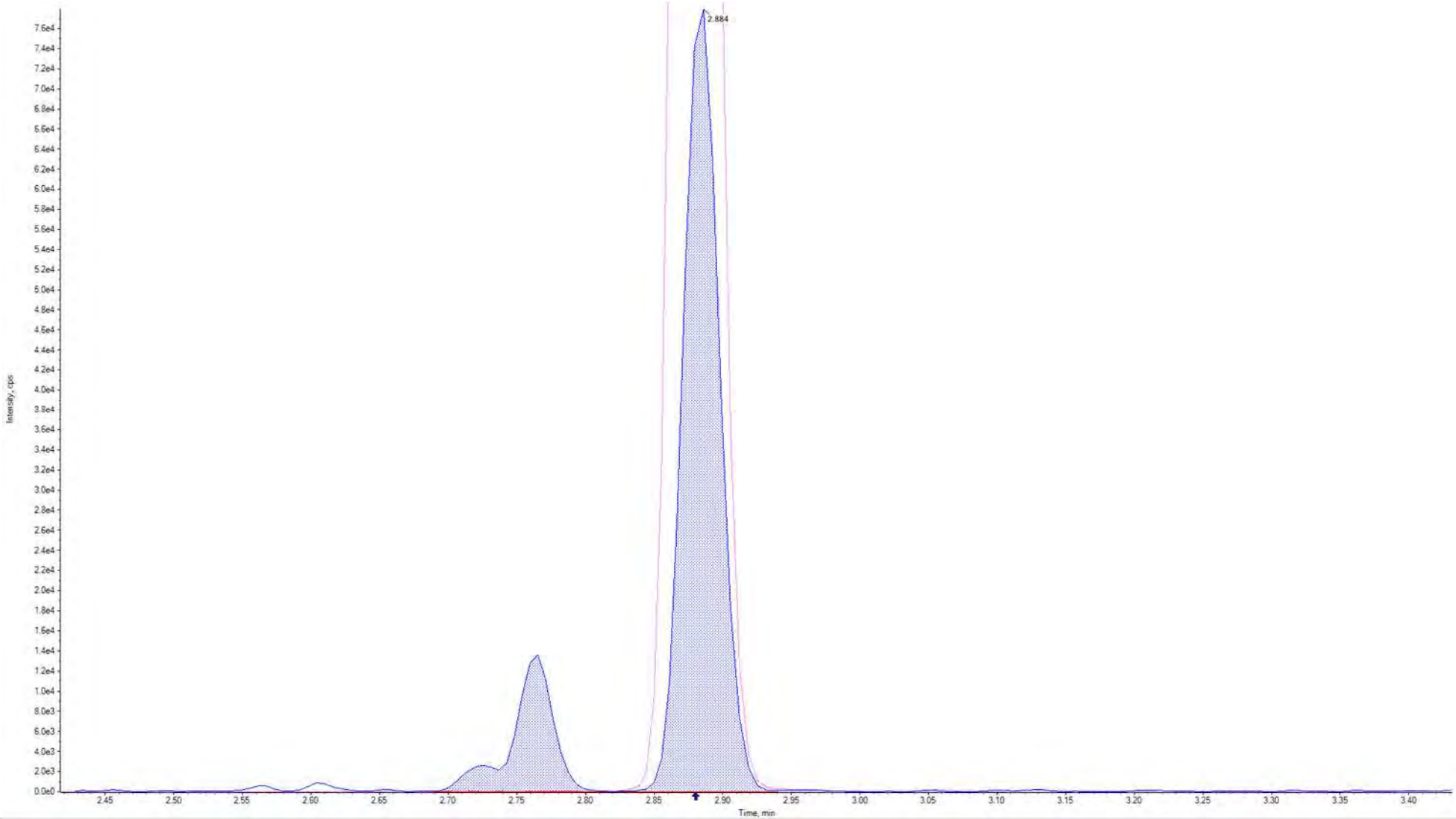
PFOA_2
Sample: L2467934-07 S/N:620.6 Points Across peak:45



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/24/2024 7:52:08 AM
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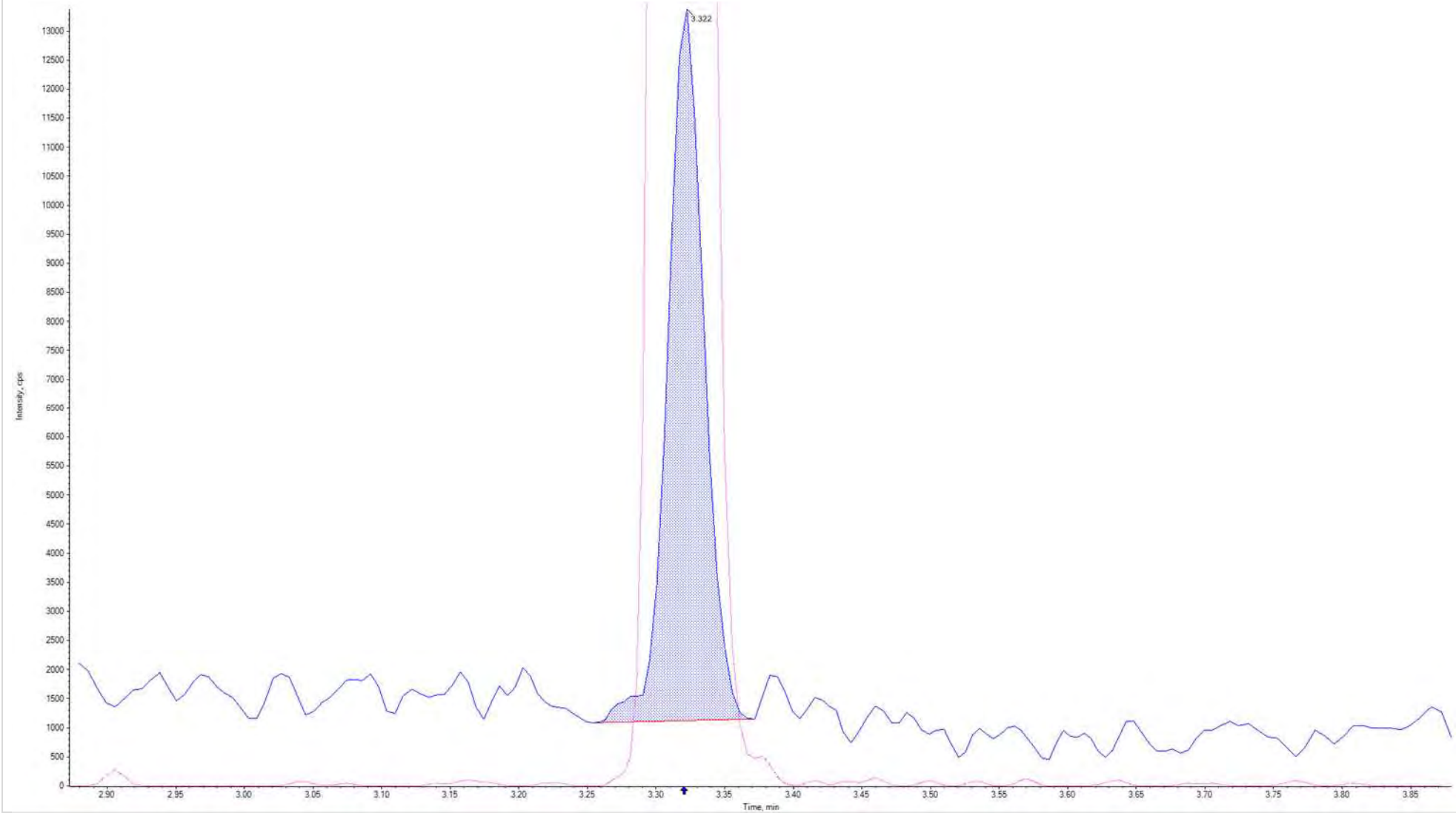
PFNA
Sample: L2467934-07 S/N:70.1 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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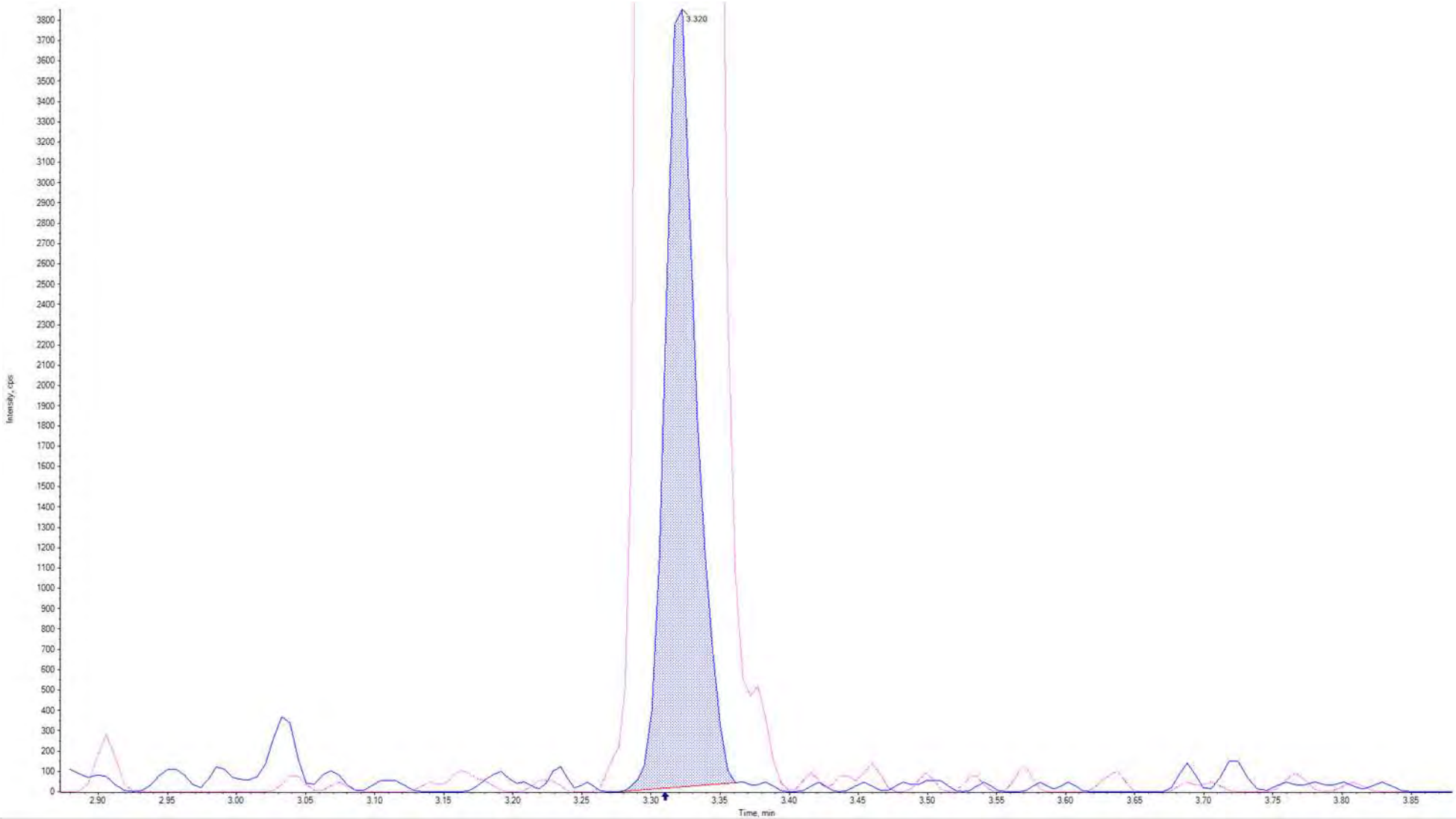
PFNA_2
Sample: L2467934-07 S/N:86.4 Points Across peak:17



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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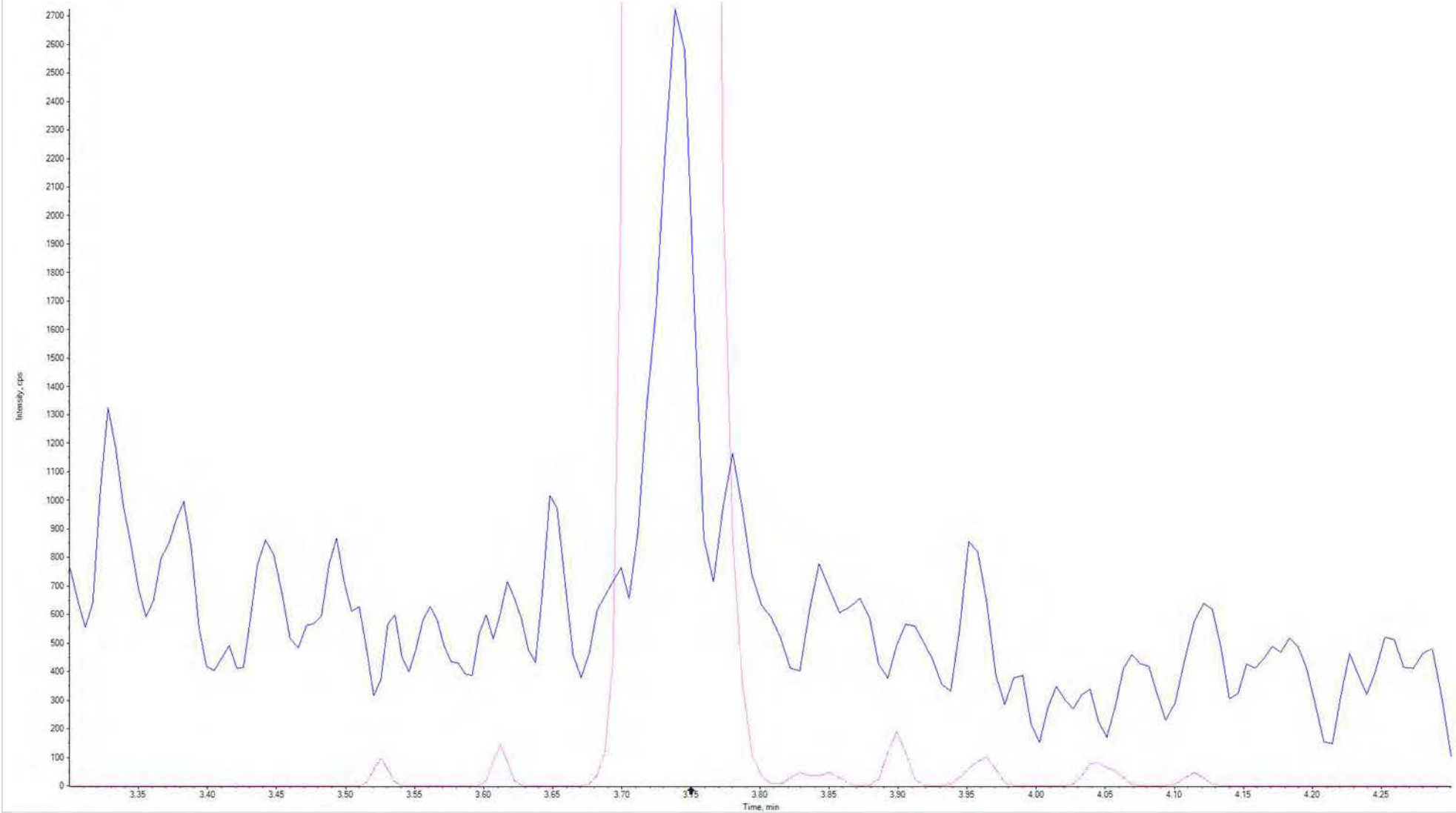
Generated: 12/23/2024 2:36:12 PM

PFDA
Sample: L2467934-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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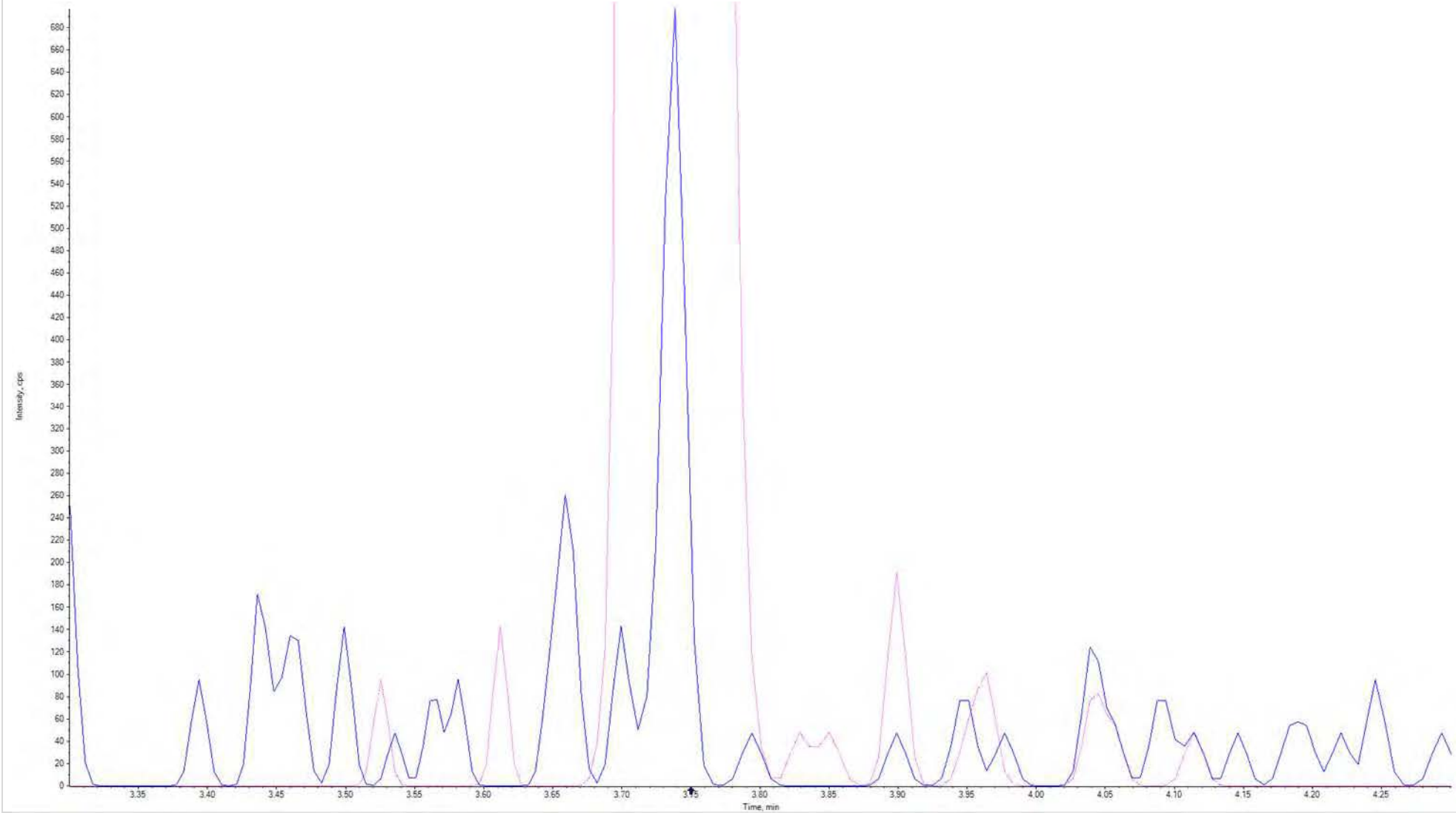
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFDA_2
Sample: L2467934-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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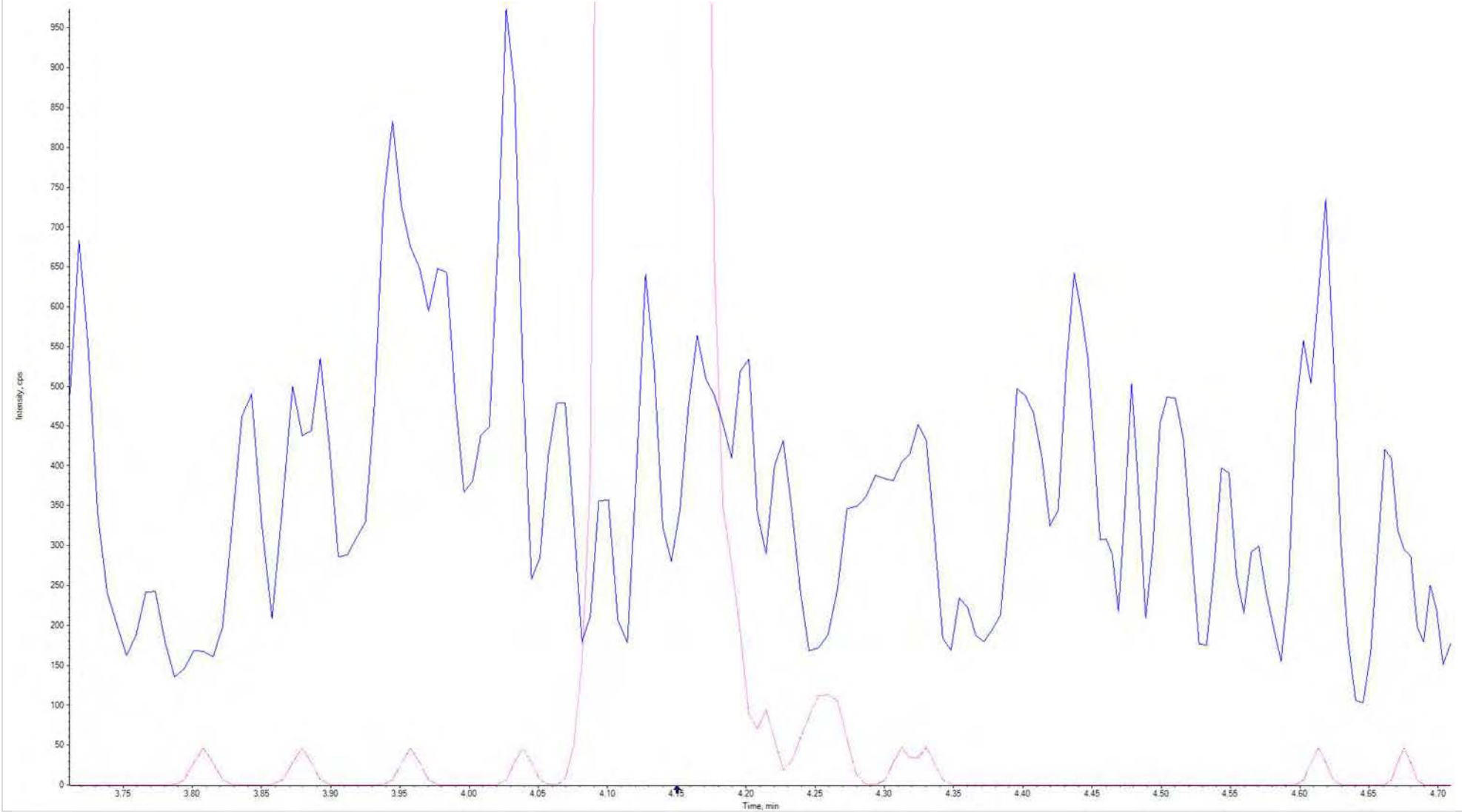
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFUnA
Sample: L2467934-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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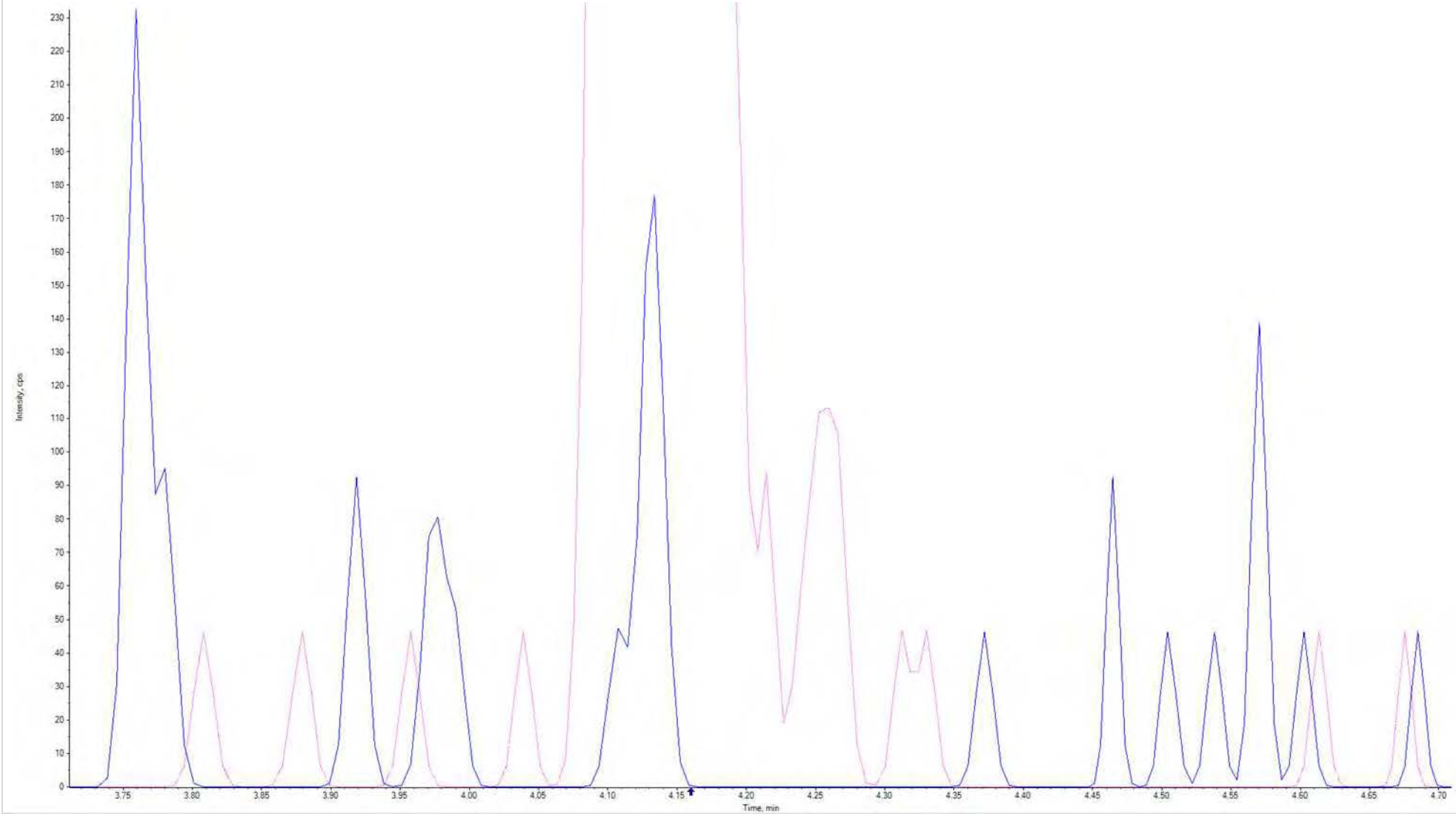
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFUnA_2
Sample: L2467934-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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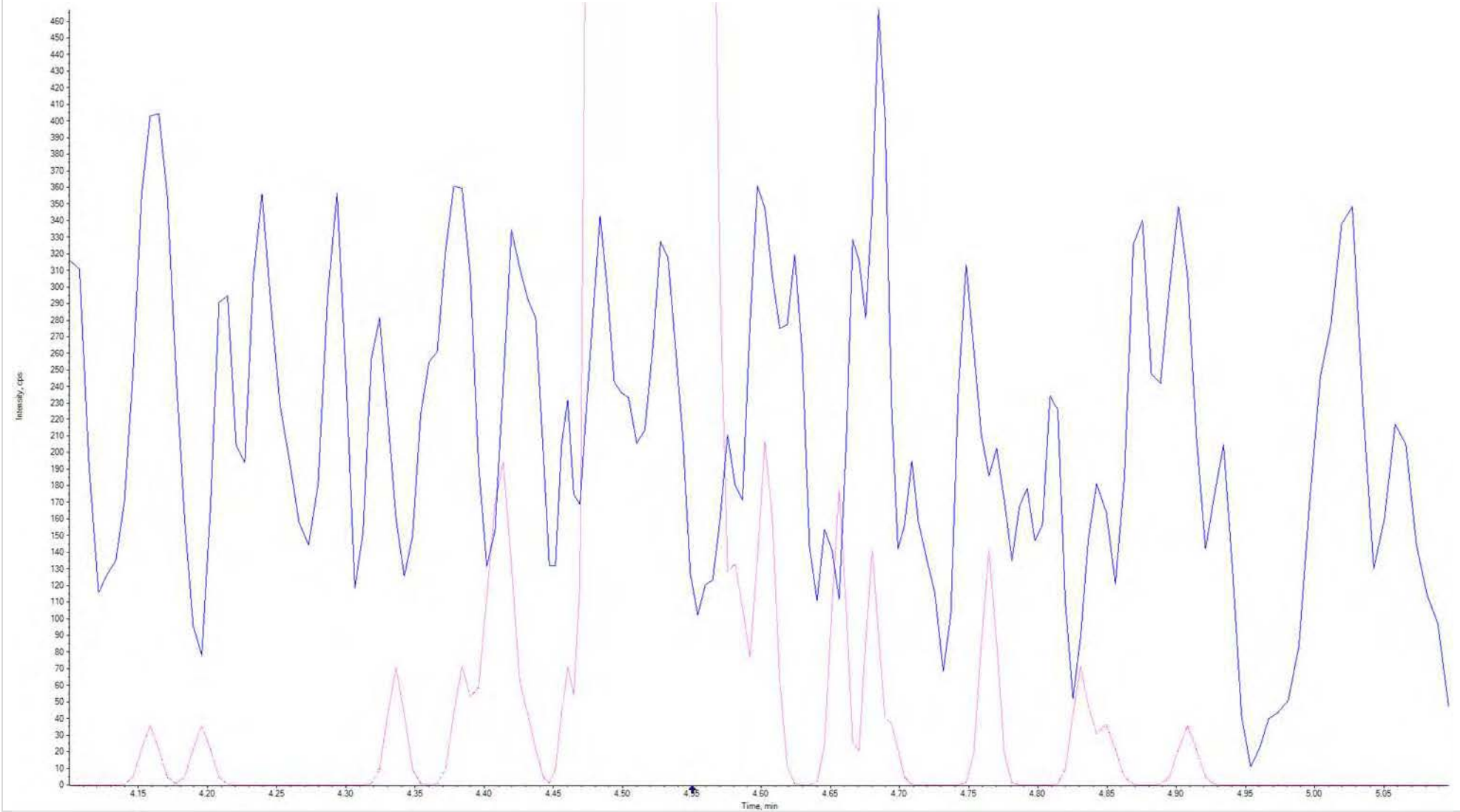
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFDoA
Sample: L2467934-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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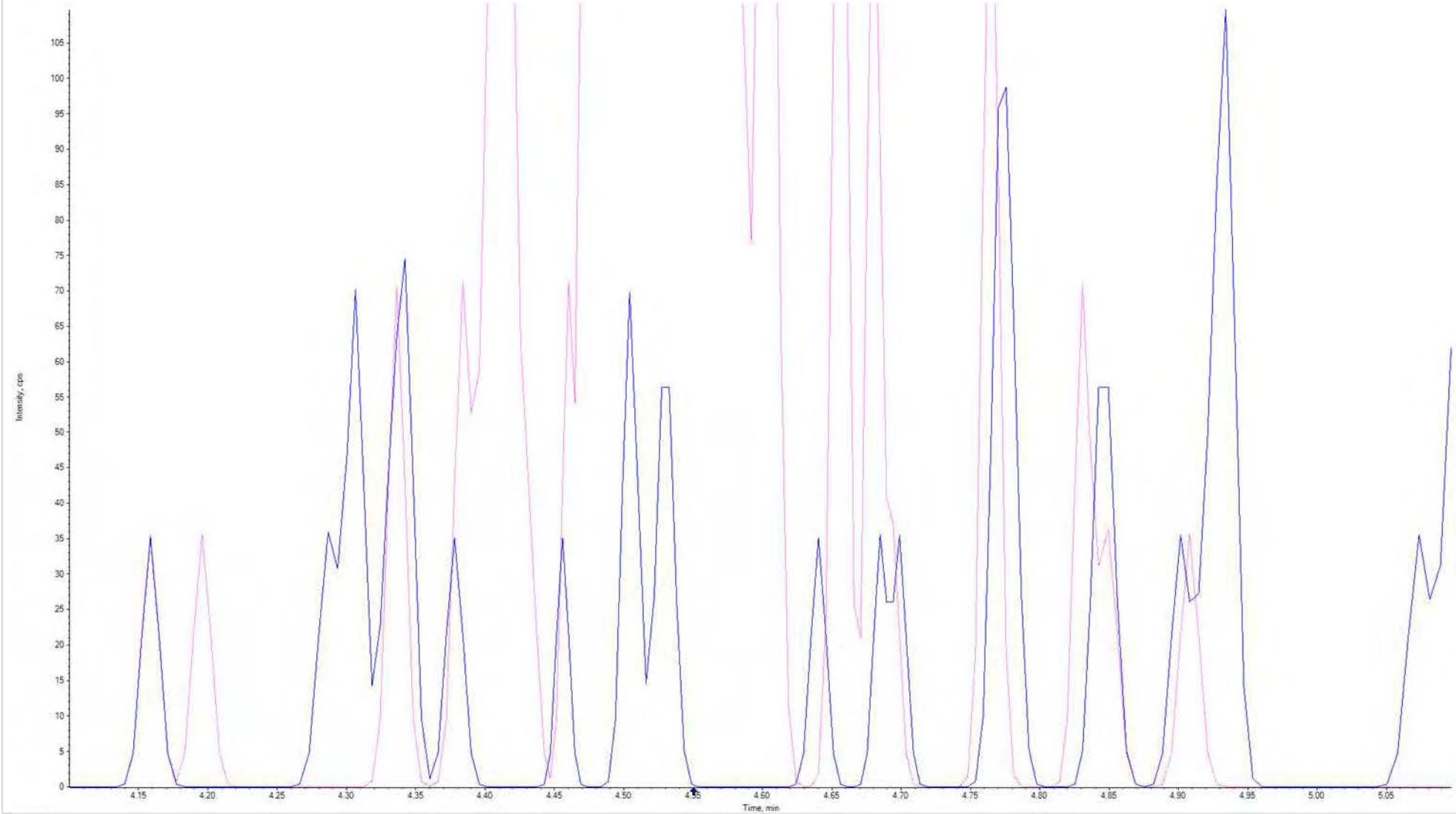
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFDoA_2
Sample: L2467934-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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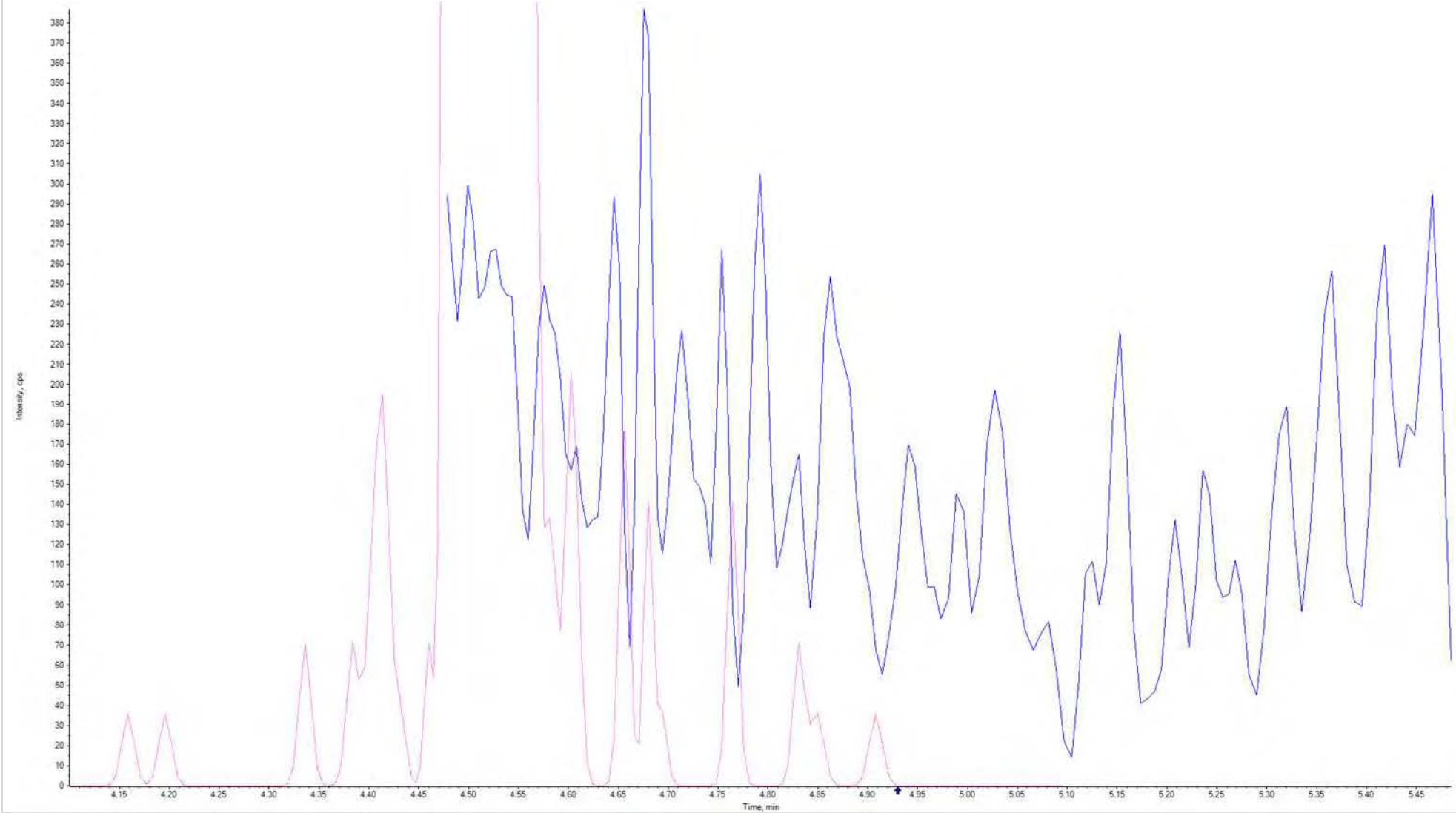
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFTrDA
Sample: L2467934-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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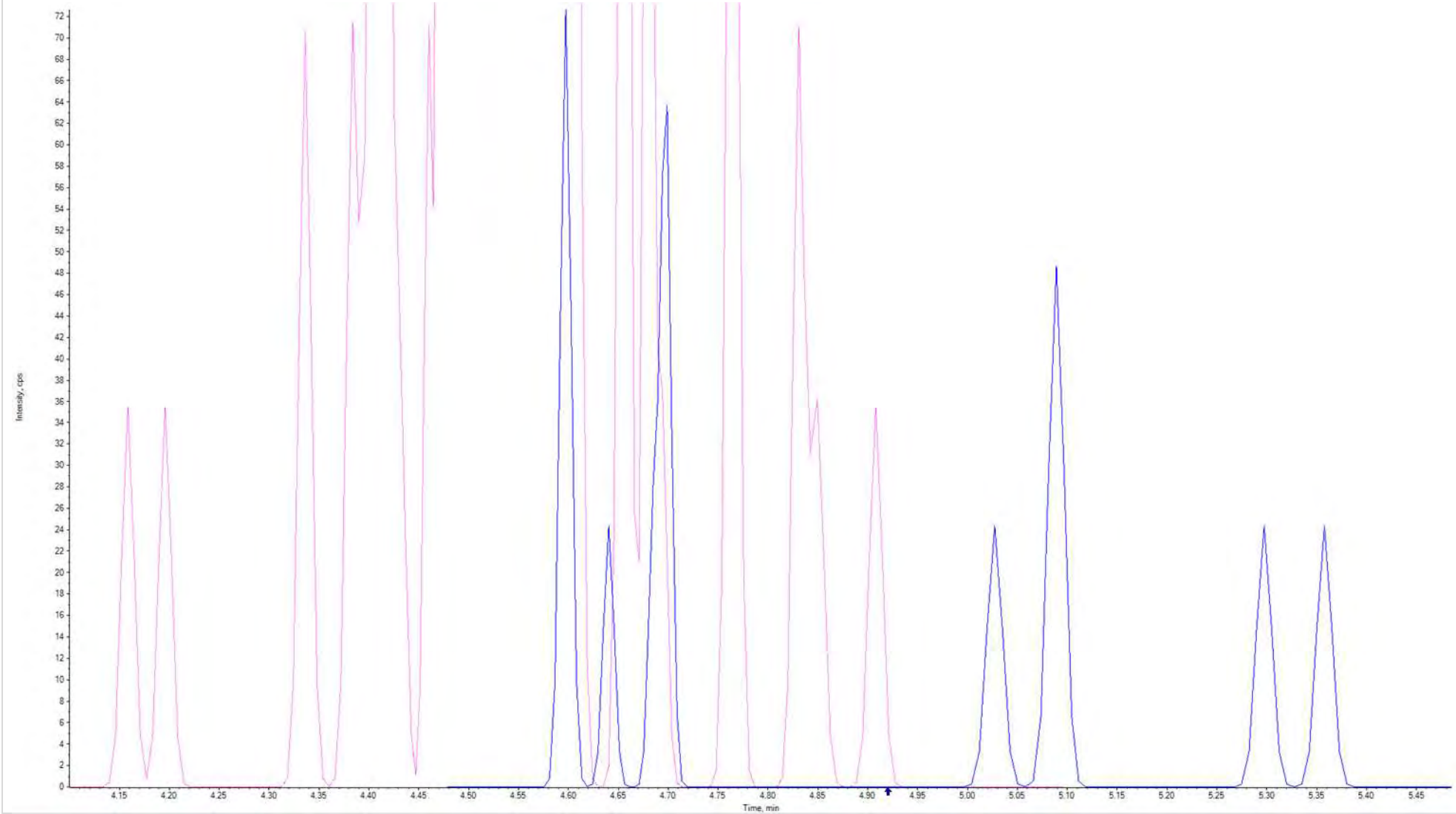
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFTrDA_2
Sample: L2467934-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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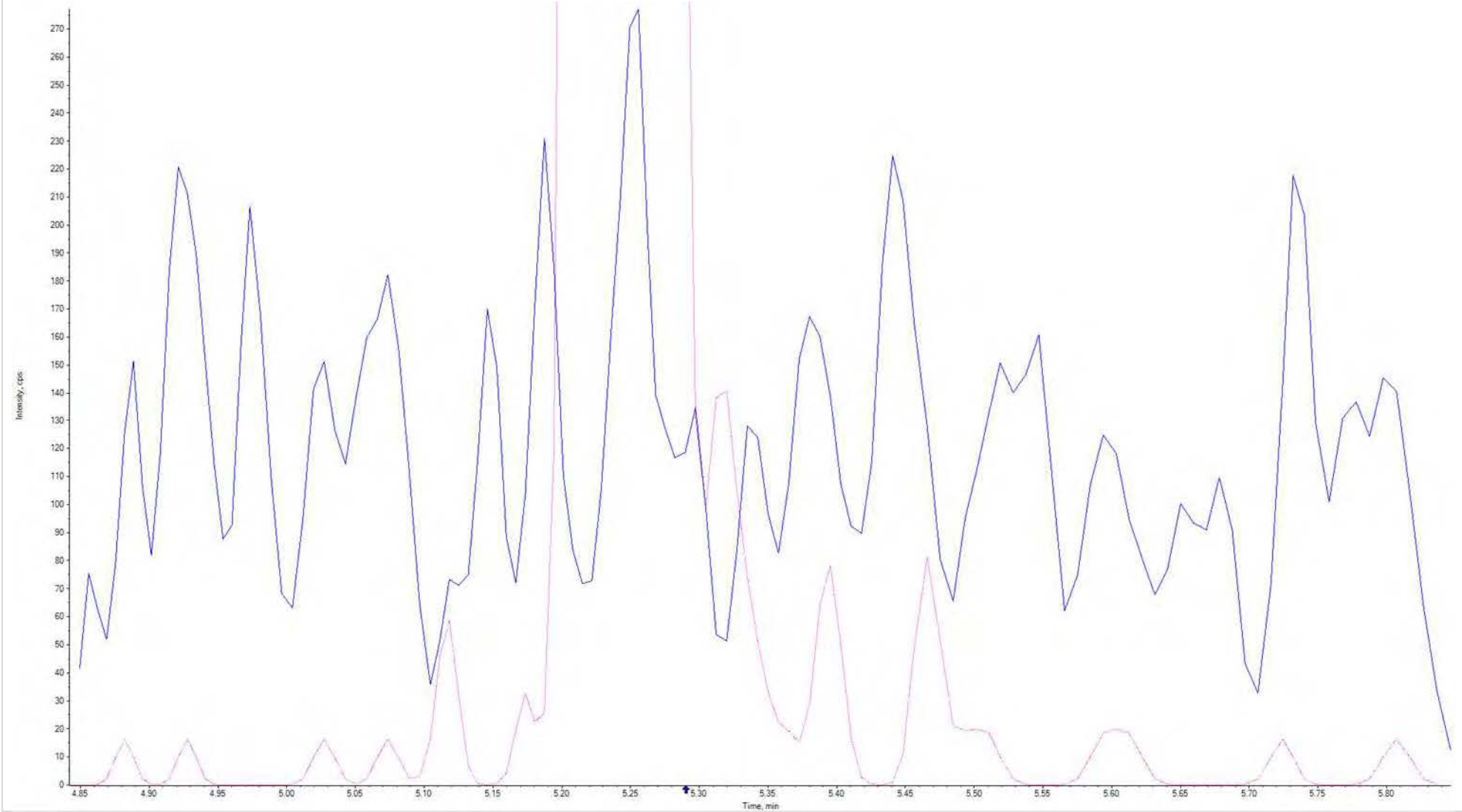
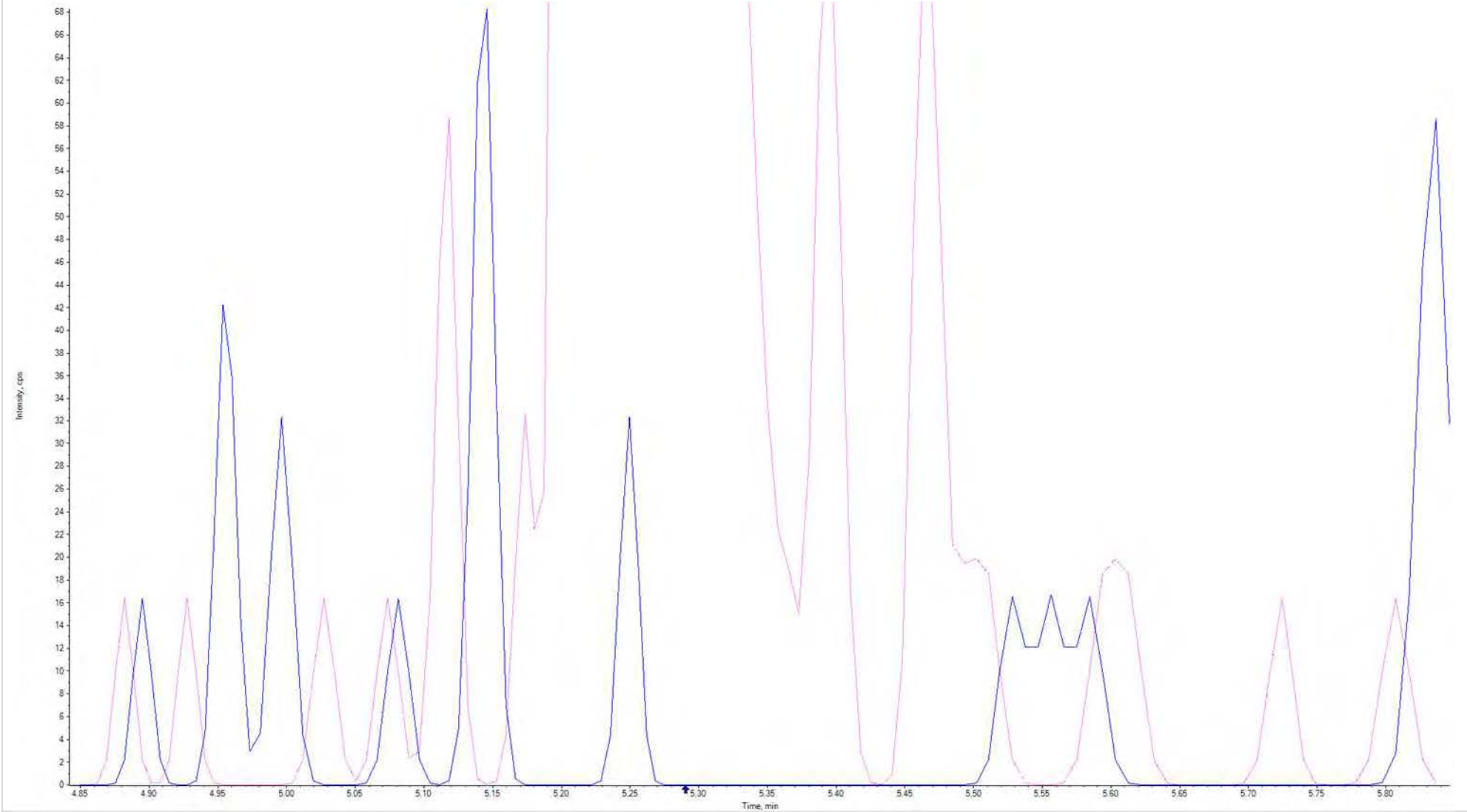
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFTeDA
Sample: L2467934-07 S/N:N/A Points Across peak:N/A



PFTeDA_2
Sample: L2467934-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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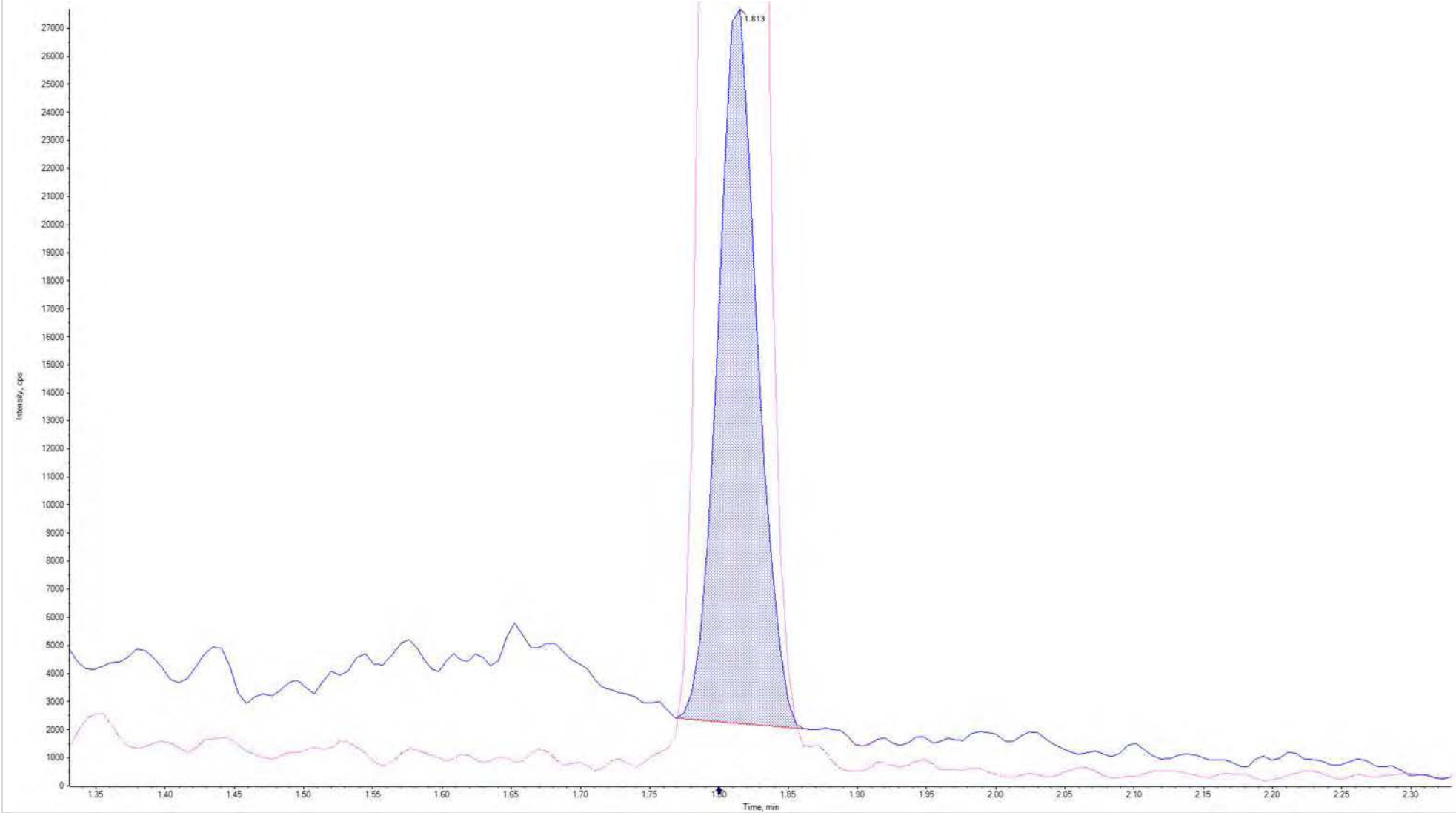
PFBS
Sample: L2467934-07 S/N:390.9 Points Across peak:18



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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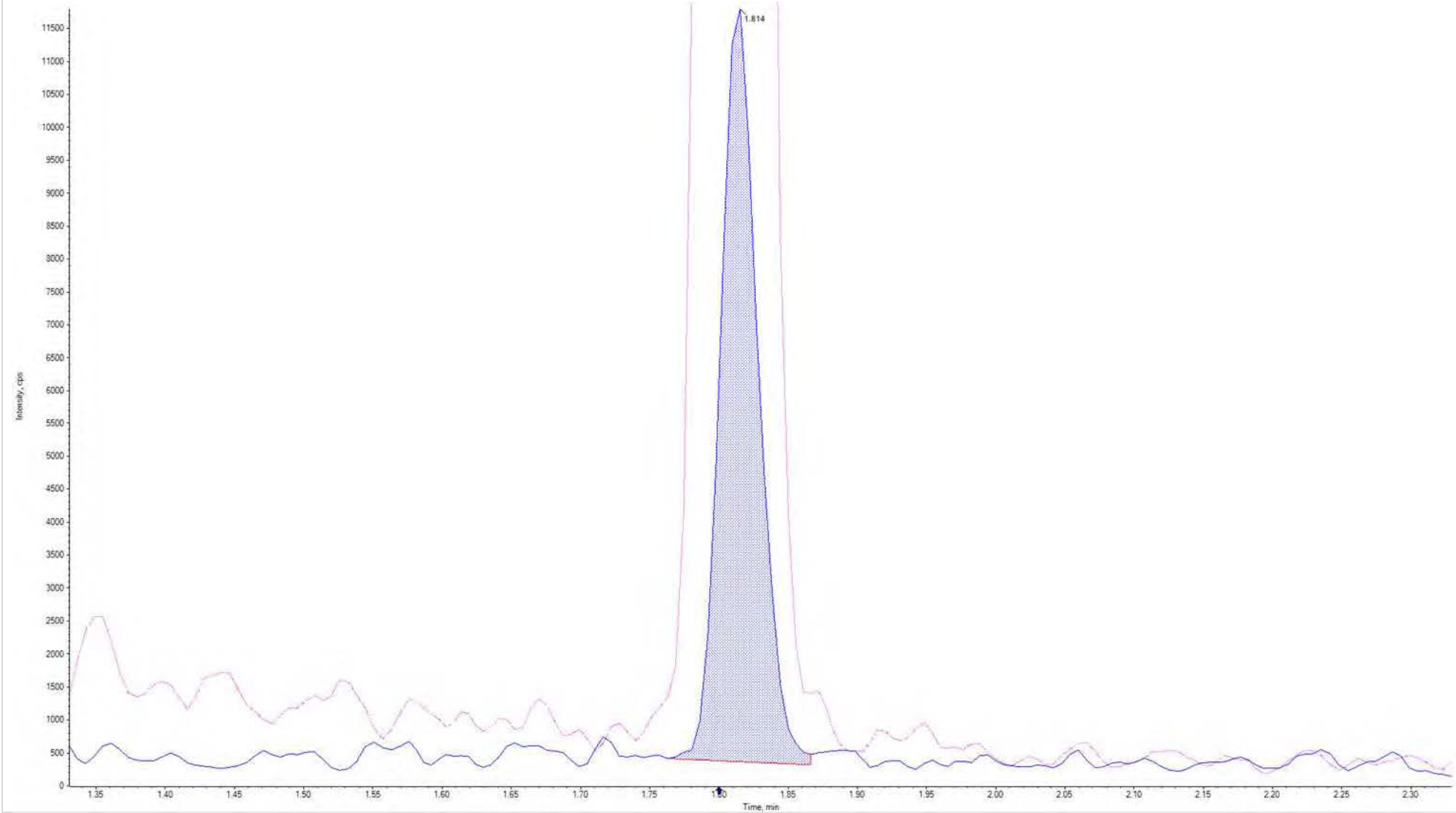
PFBS_2
Sample: L2467934-07 S/N:246.6 Points Across peak:19



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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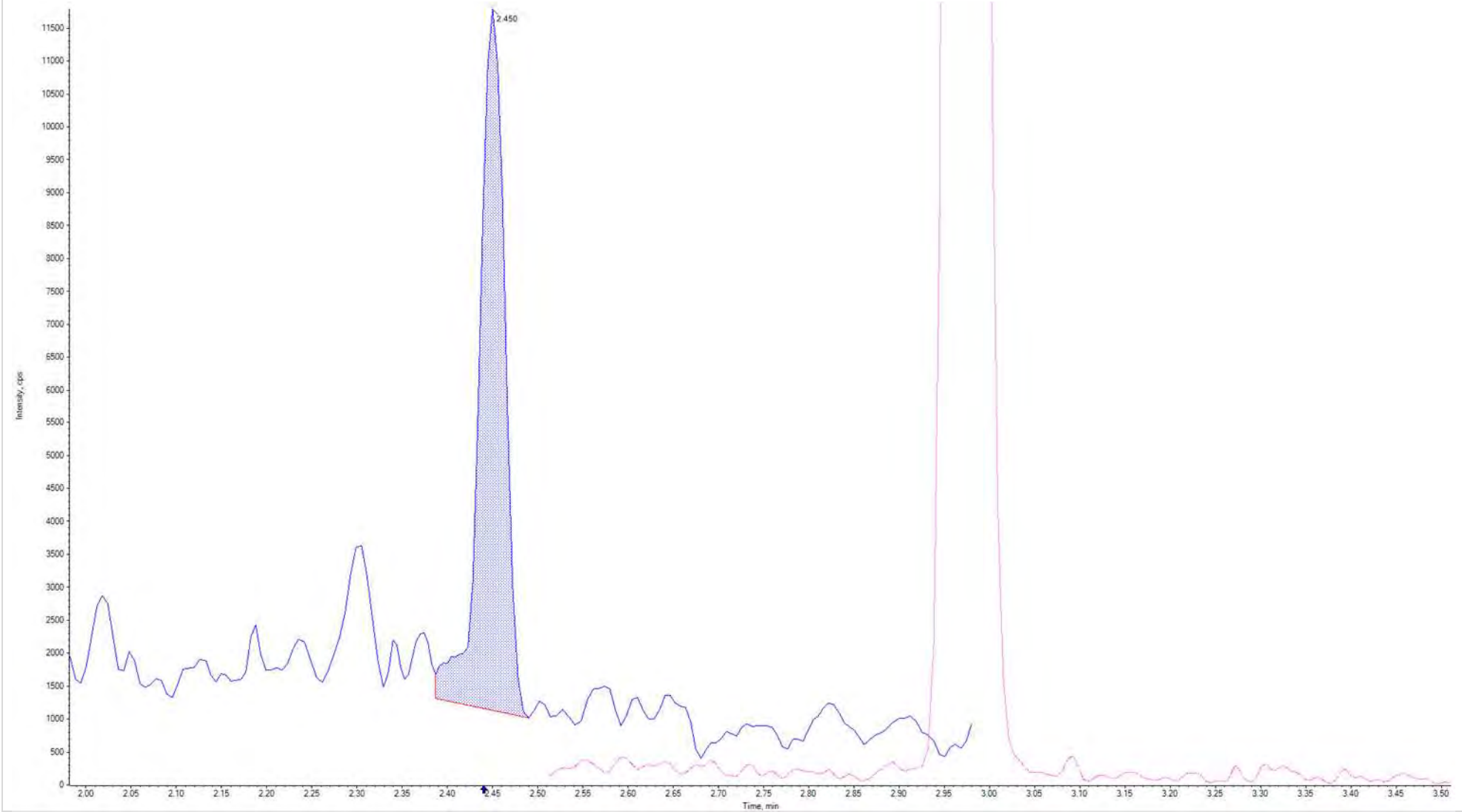
PFPeS
Sample: L2467934-07 S/N:119.8 Points Across peak:21



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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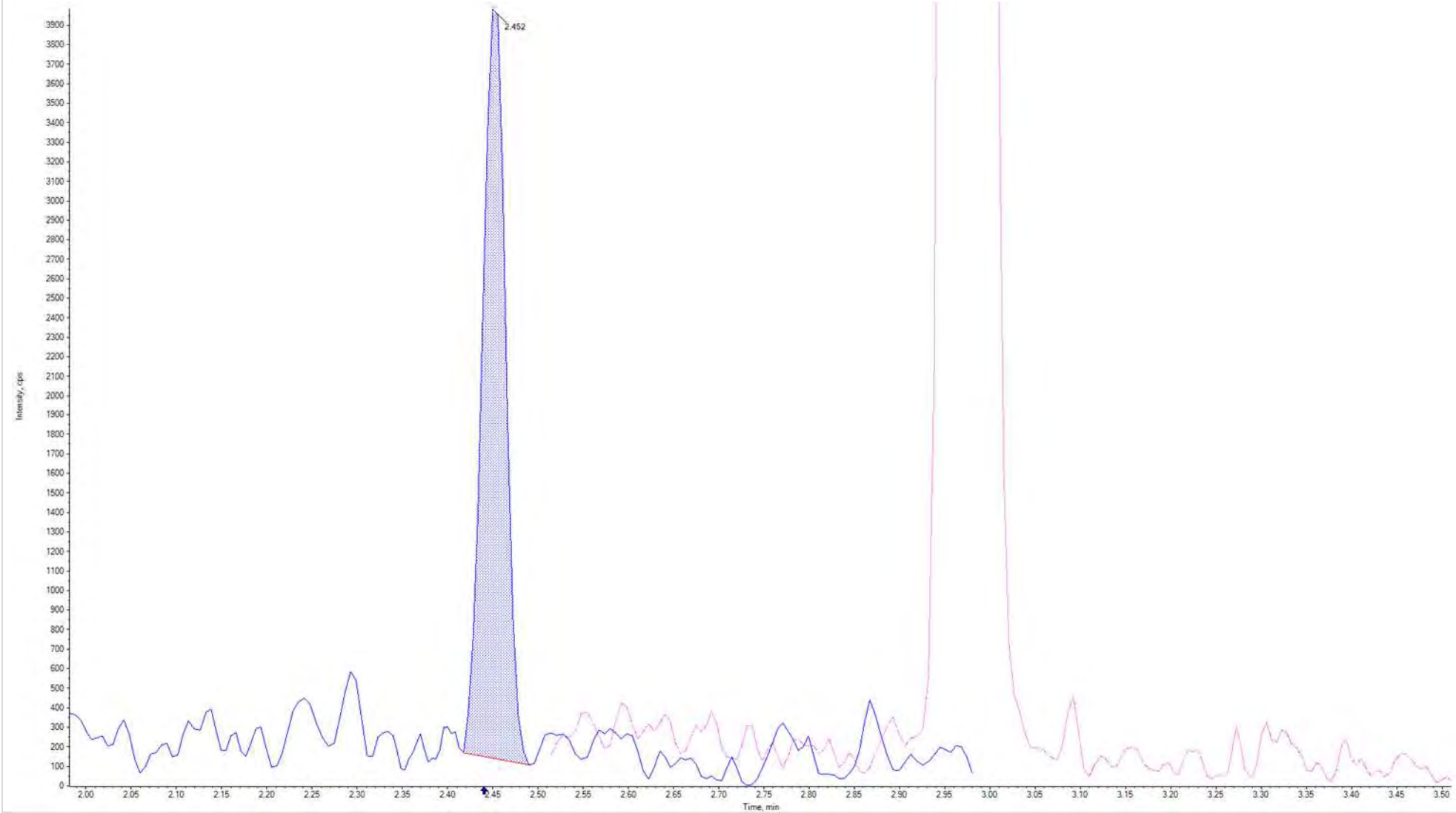
PFPeS_2
Sample: L2467934-07 S/N:77.0 Points Across peak:14



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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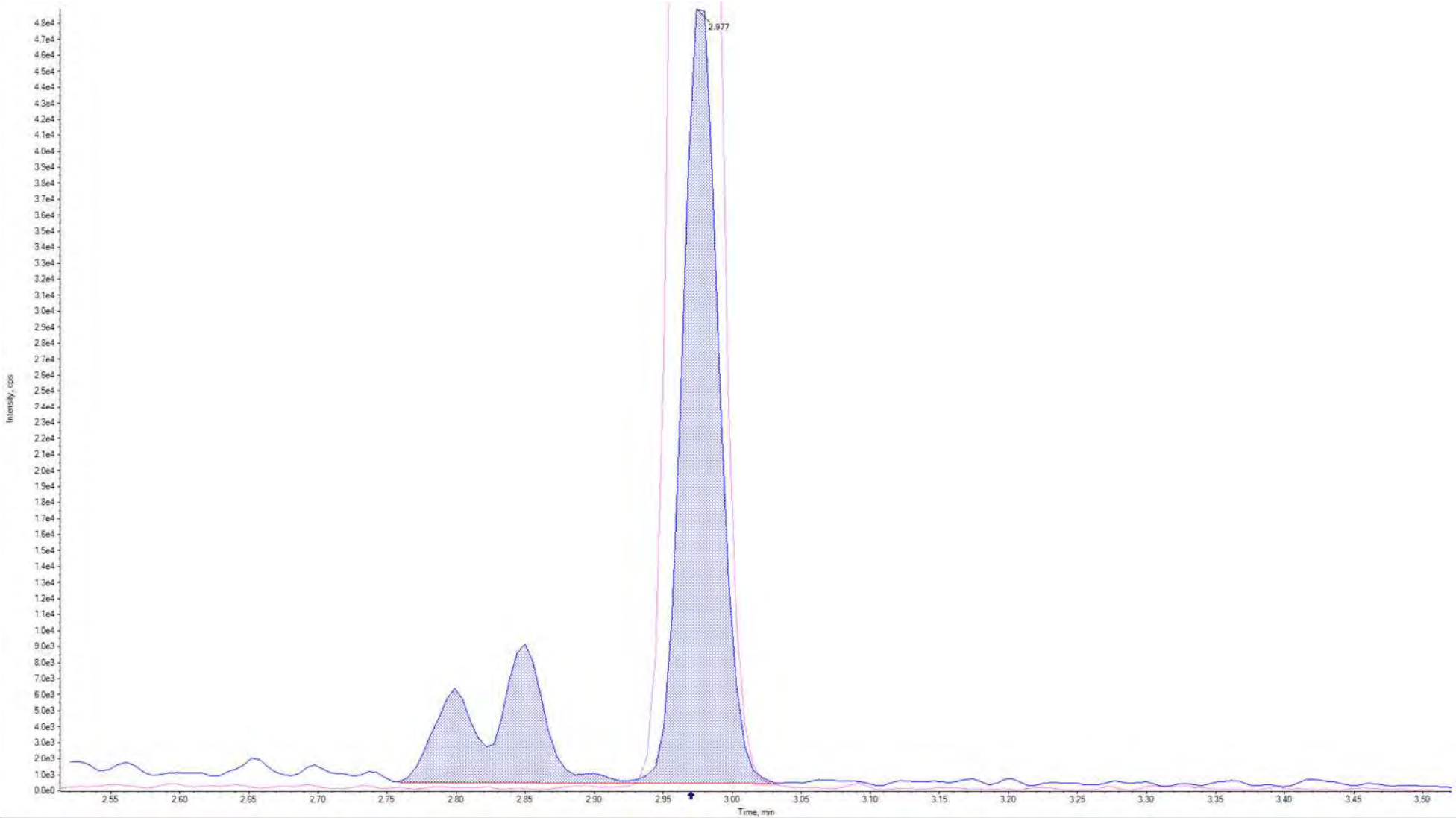
PFHxS
Sample: L2467934-07 S/N:190.9 Points Across peak:48



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/24/2024 7:52:08 AM
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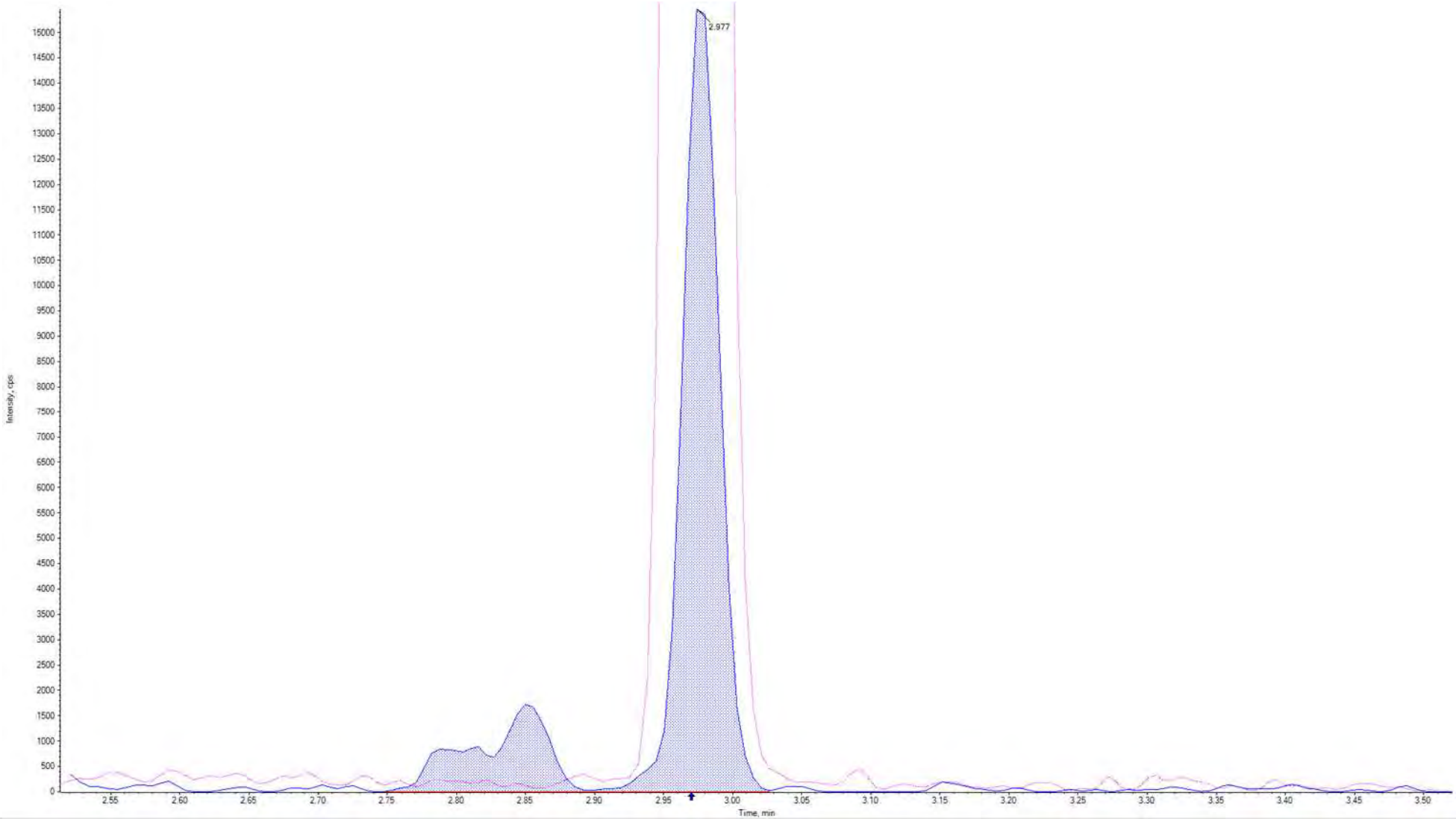
PFHxS_2
Sample: L2467934-07 S/N:337.0 Points Across peak:49



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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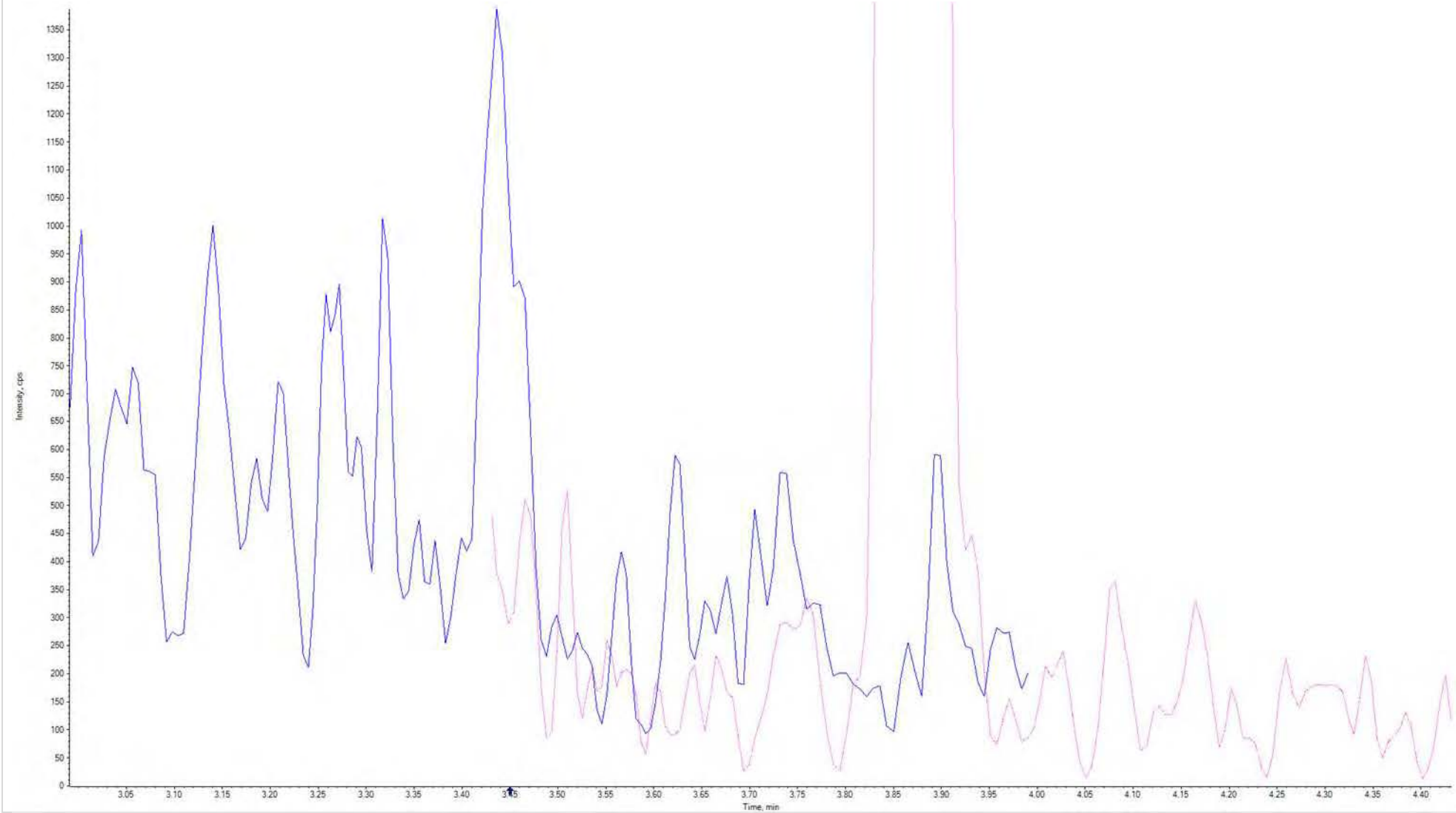
PFHpS
Sample: L2467934-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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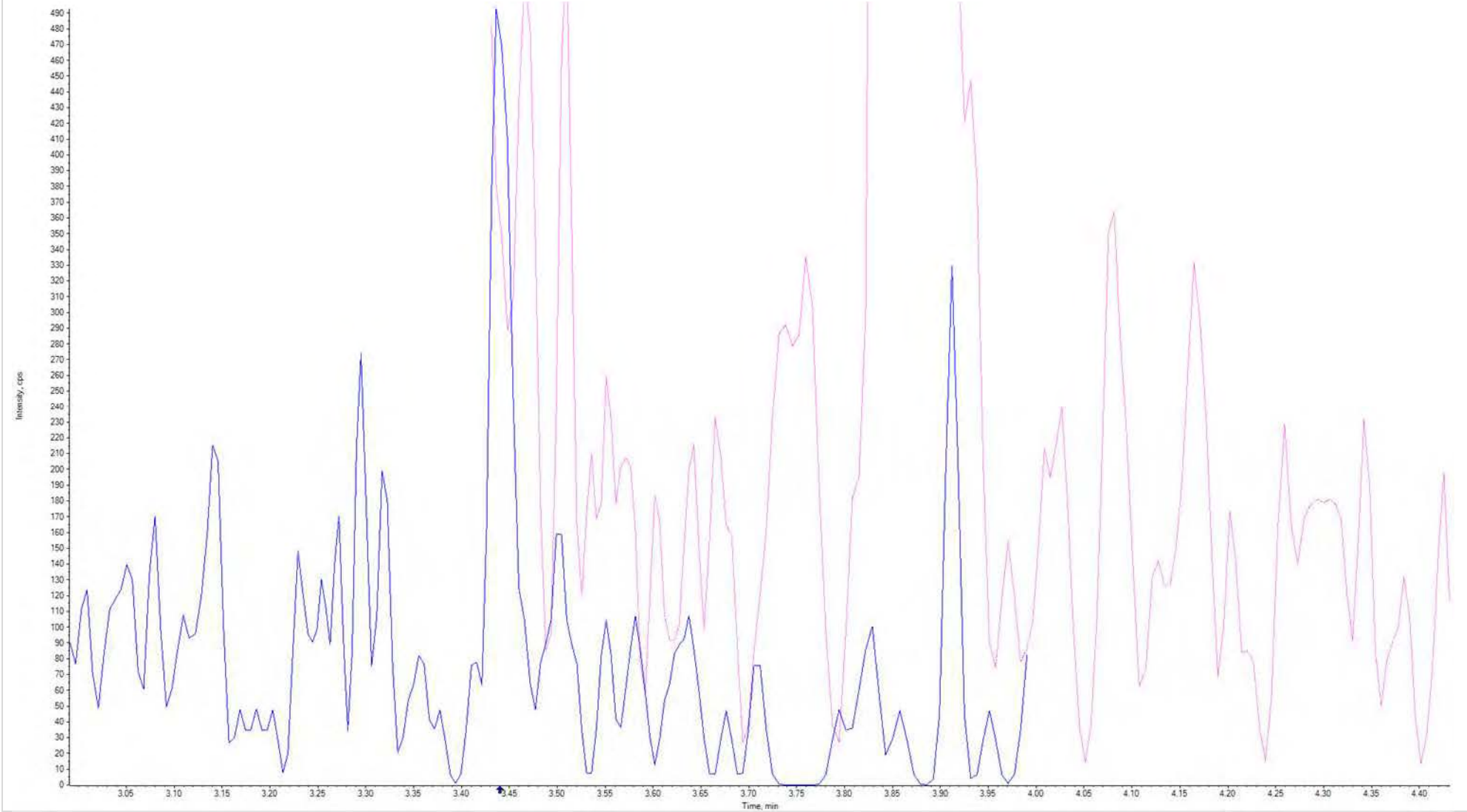
PFHpS_2
Sample: L2467934-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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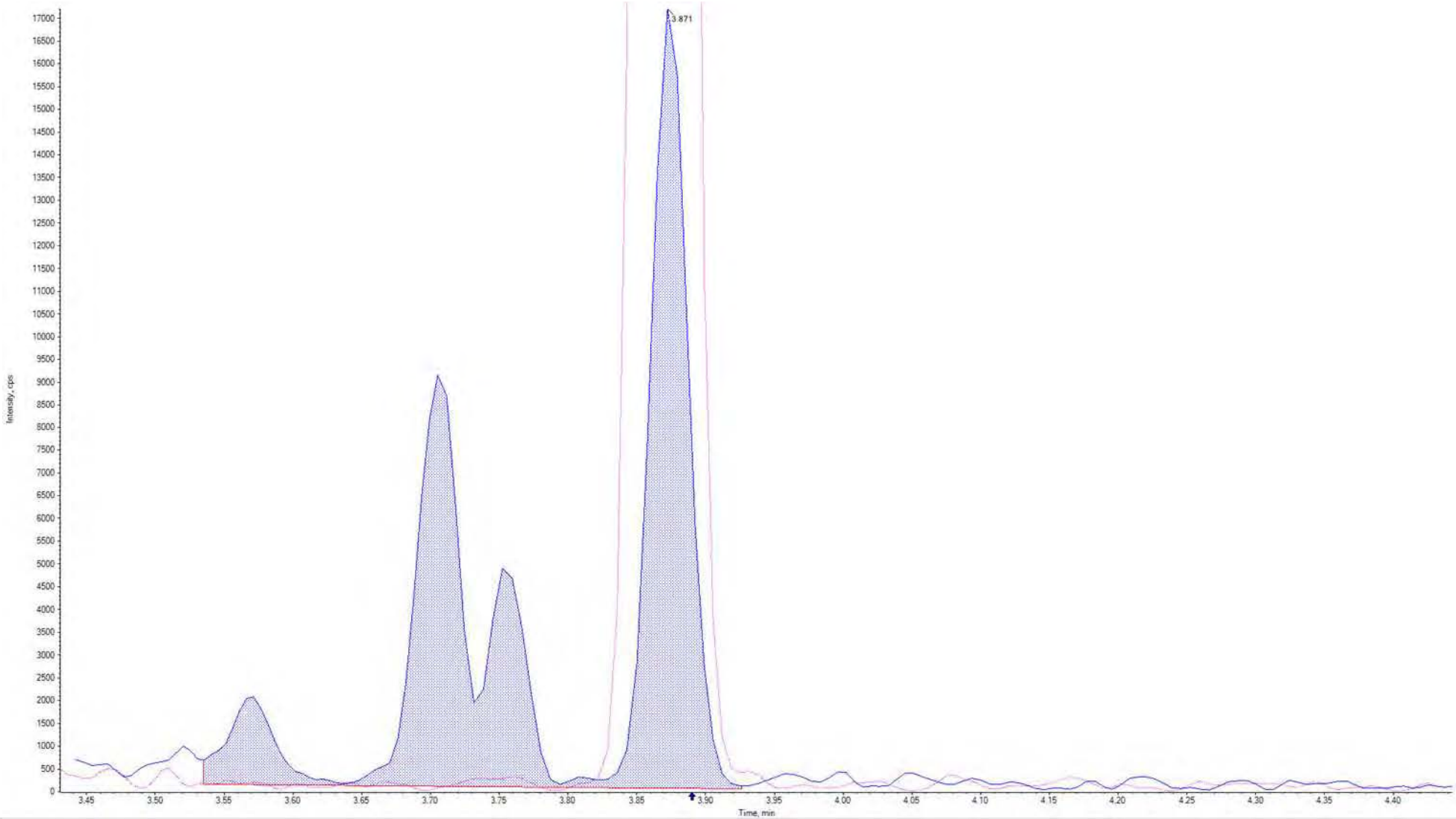
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFOS
Sample: L2467934-07 S/N:96.2 Points Across peak:67



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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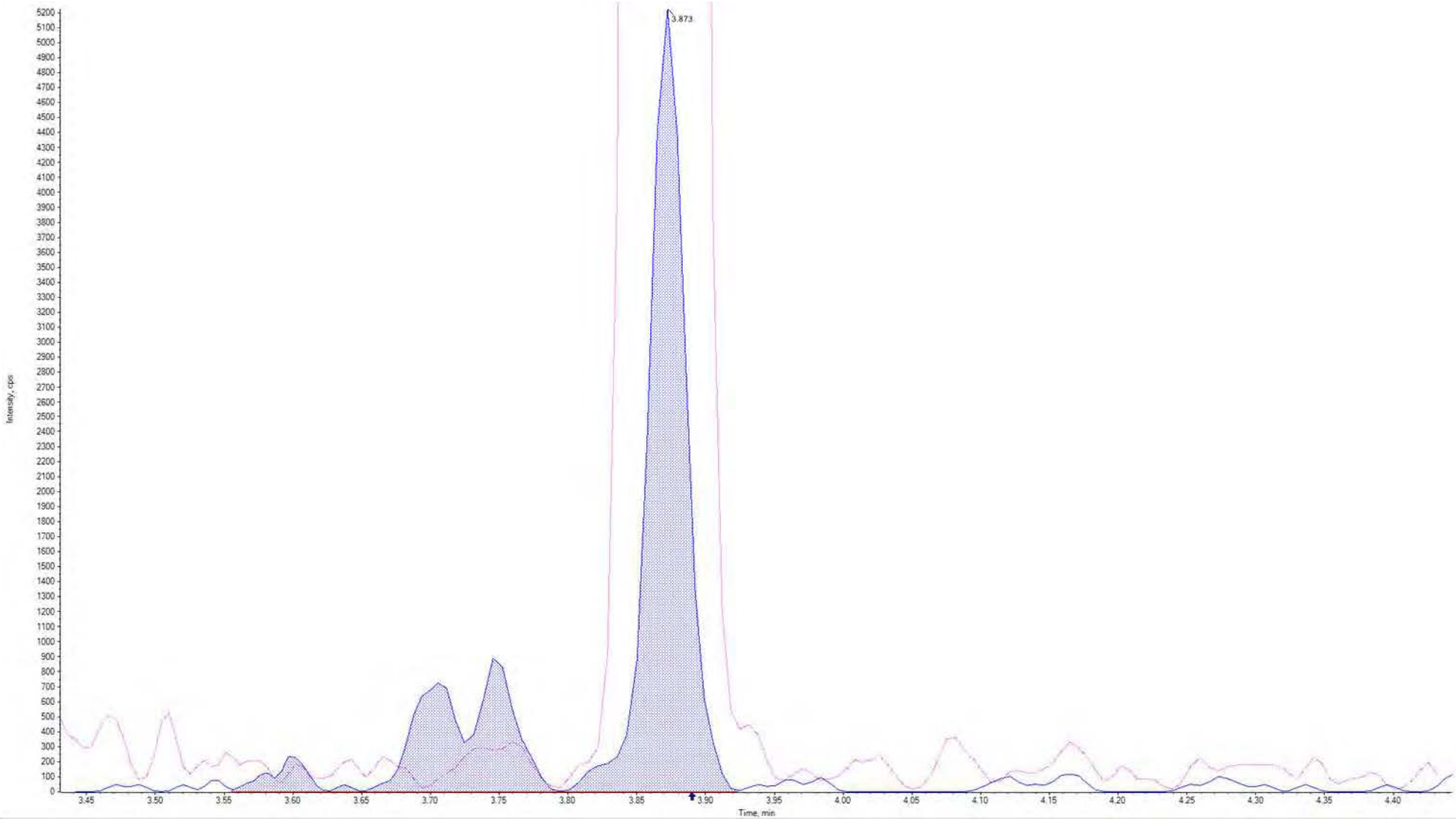
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFOS_2
Sample: L2467934-07 S/N:104.7 Points Across peak:62



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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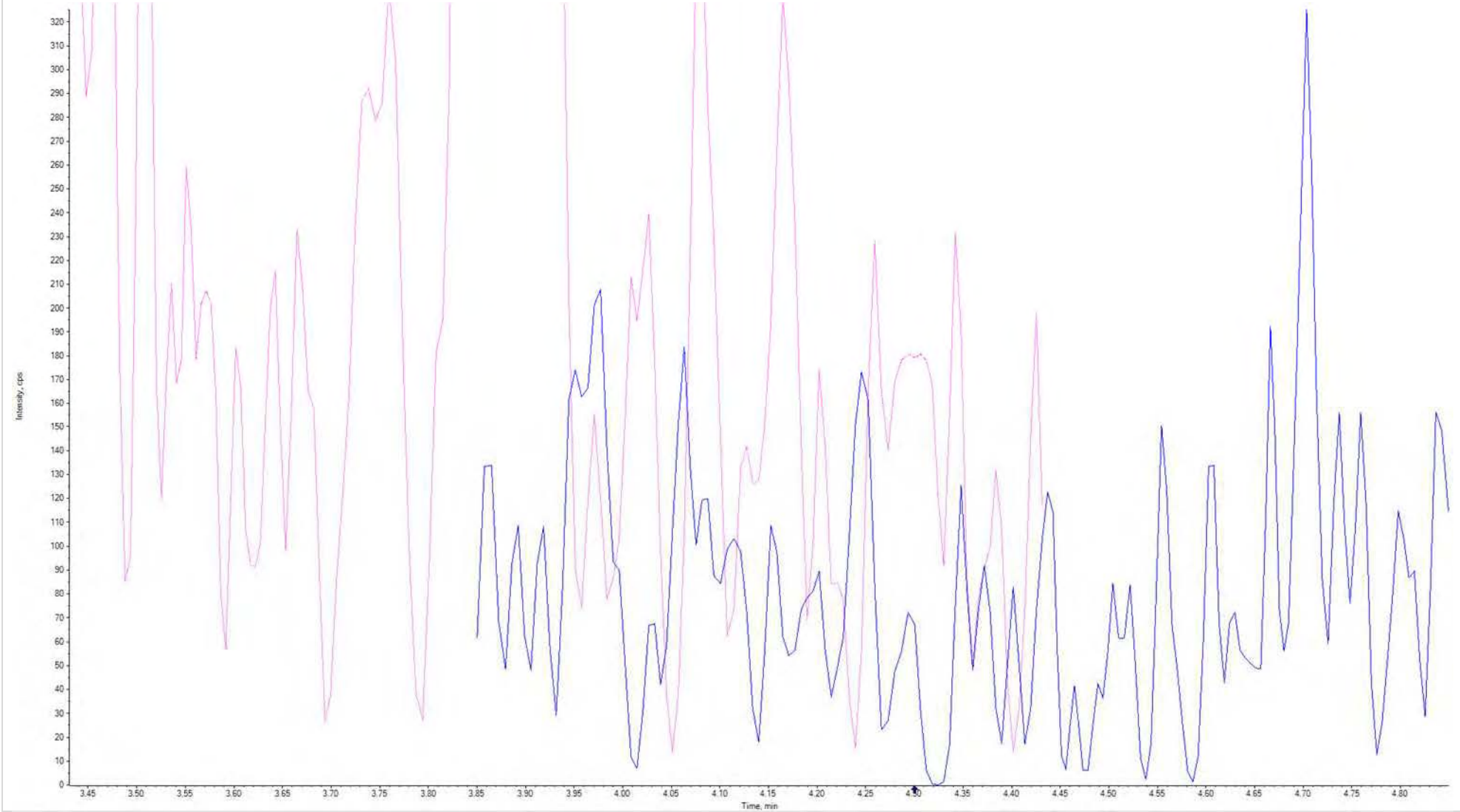
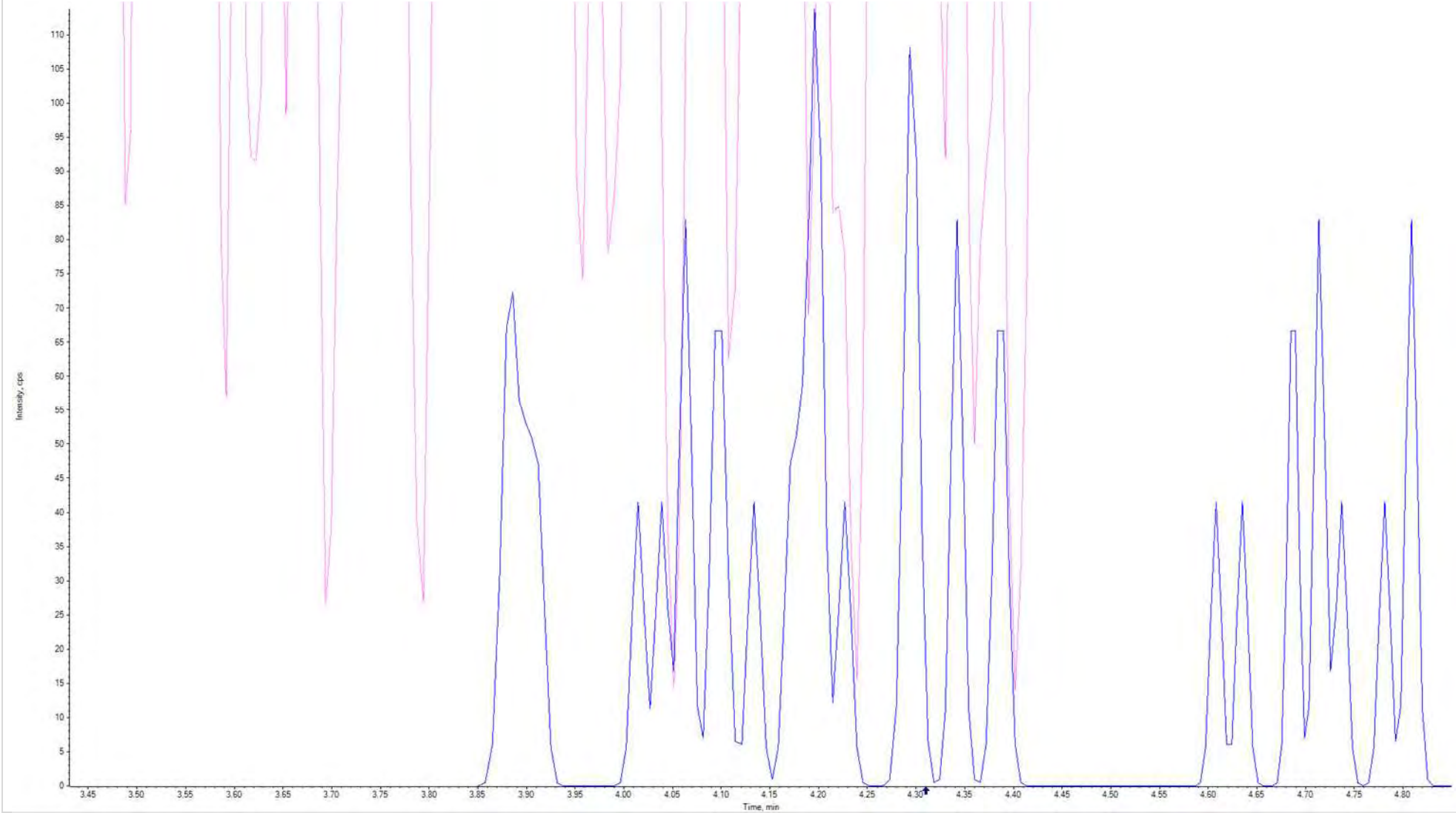
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFNS
Sample: L2467934-07 S/N:N/A Points Across peak:N/A

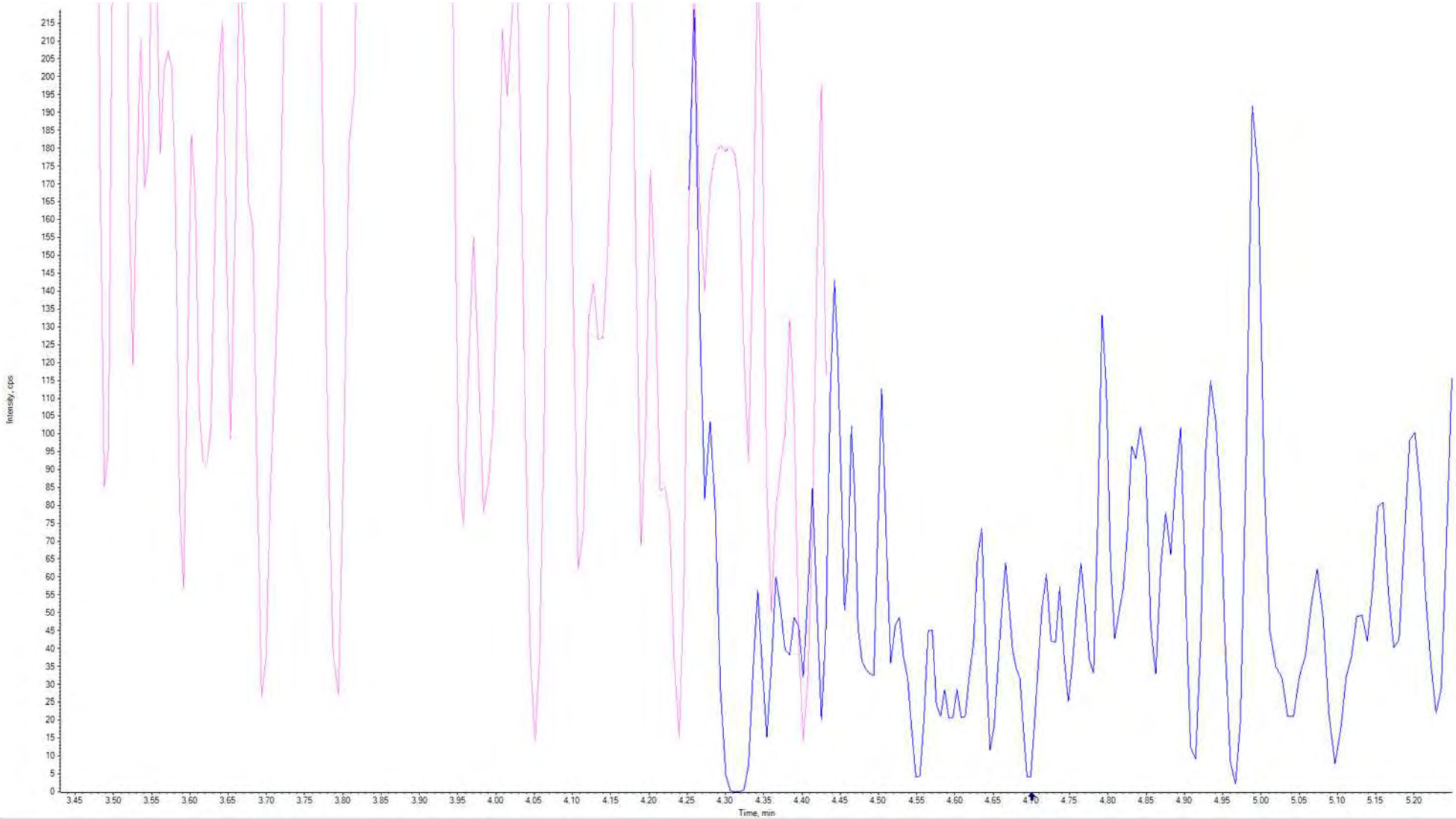


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_26.wiff2_11
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

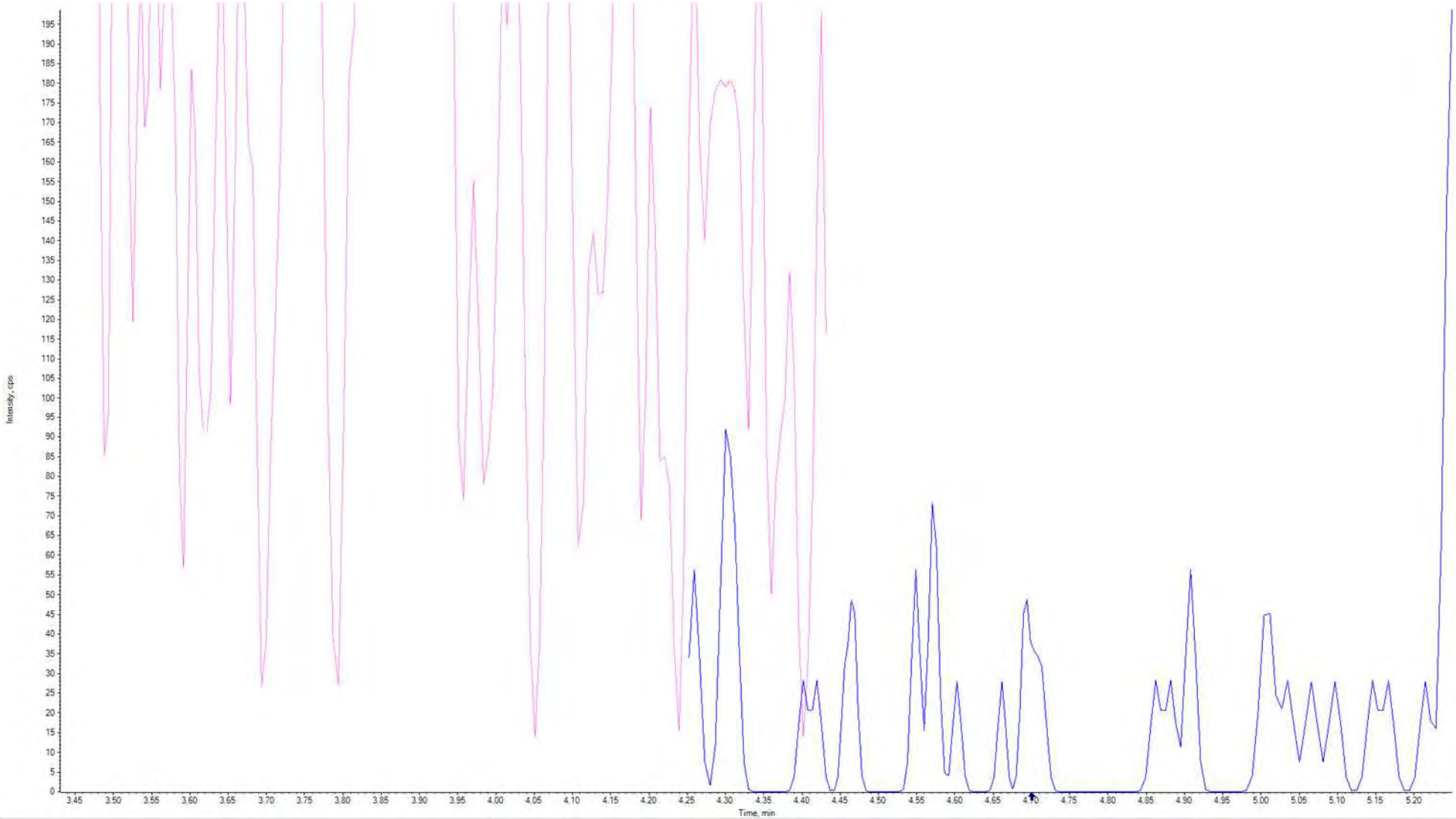
PFNS_2
Sample: L2467934-07 S/N:N/A Points Across peak:N/A



PFDS
Sample: L2467934-07 S/N:N/A Points Across peak:N/A



PFDS_2
Sample: L2467934-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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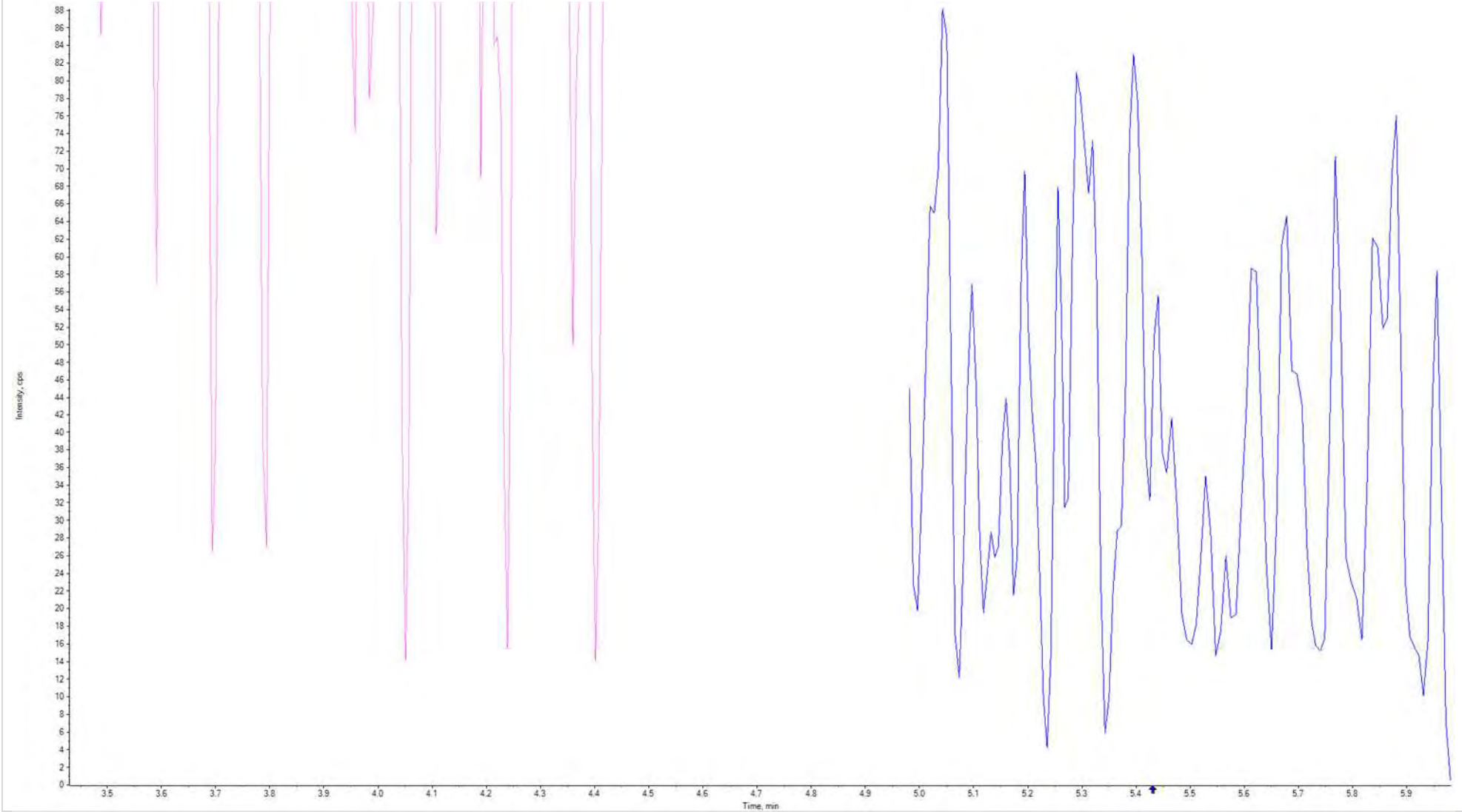
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFDoS
Sample: L2467934-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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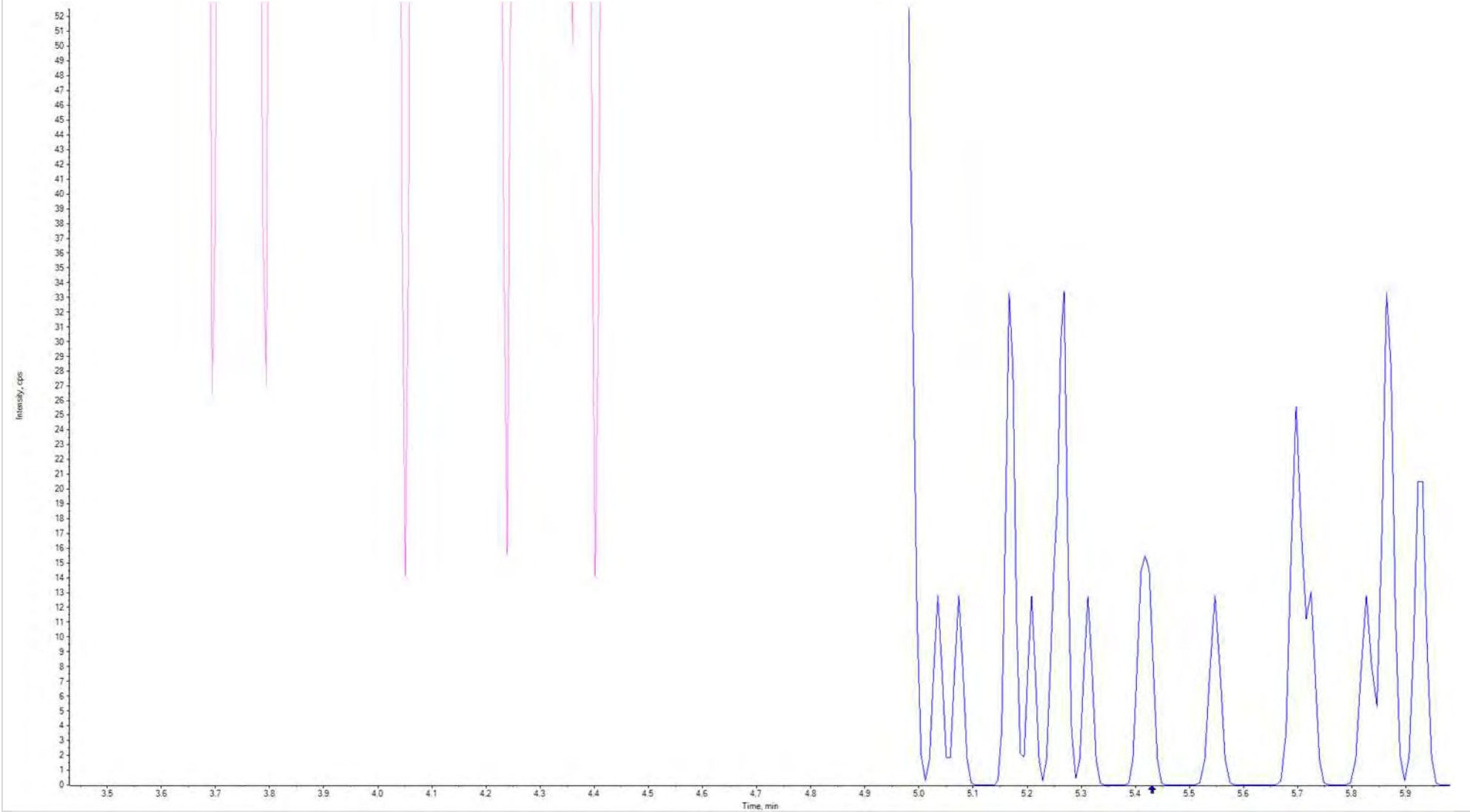
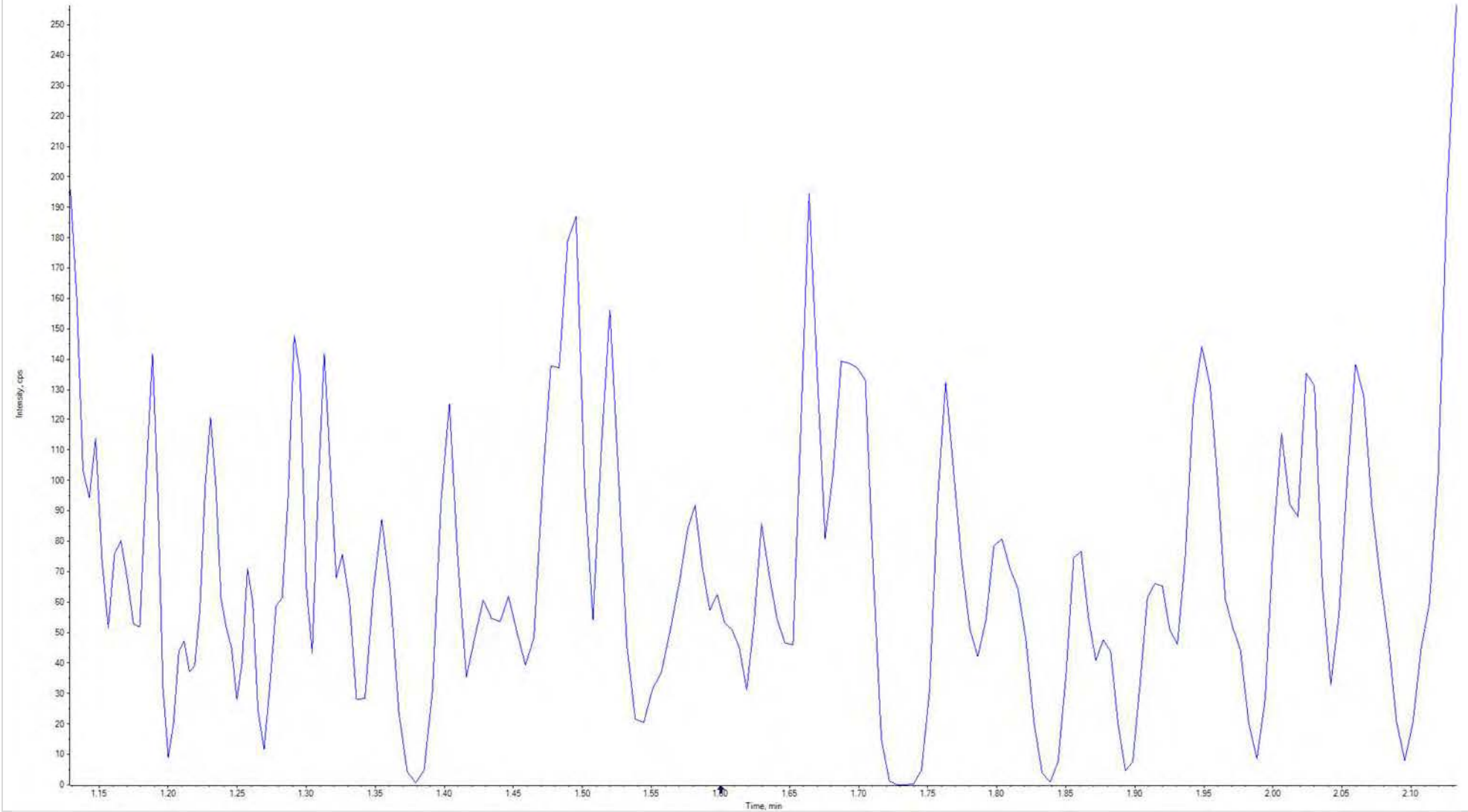
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

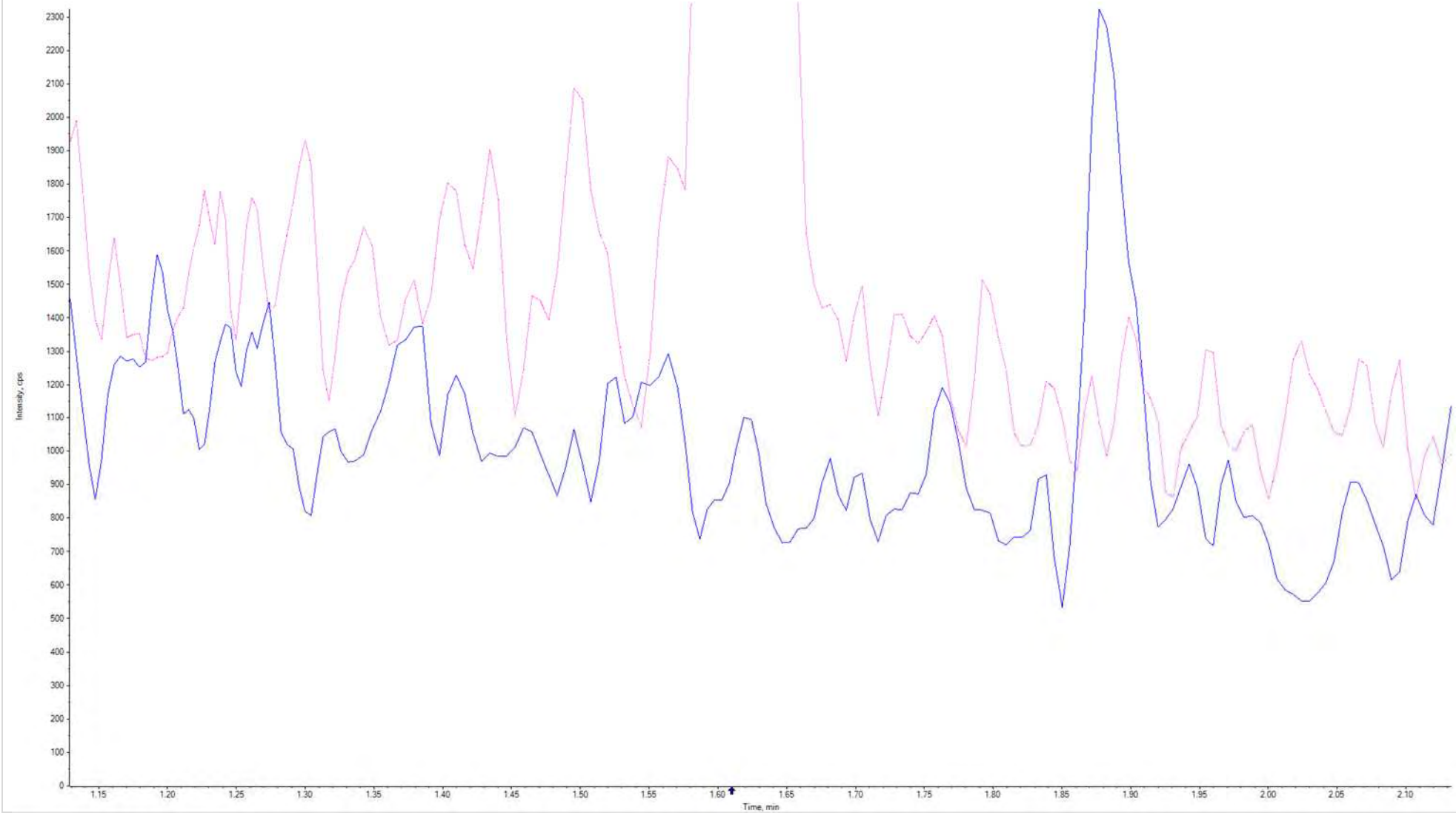
PFDoS_2
Sample: L2467934-07 S/N:N/A Points Across peak:N/A



4:2FTS
Sample: L2467934-07 S/N:N/A Points Across peak:N/A

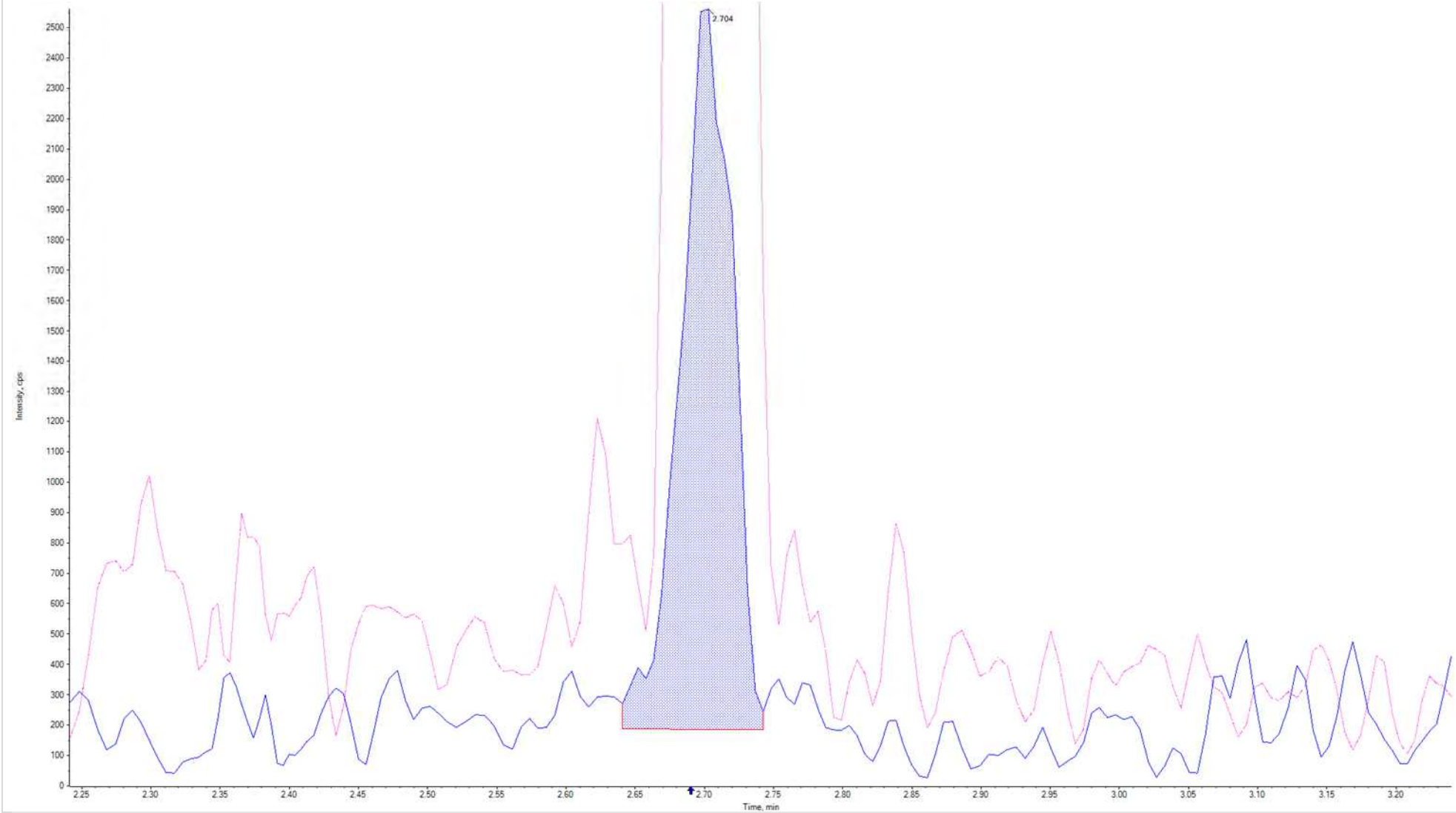


4:2FTS_2
Sample: L2467934-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_26.wiff2_11
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

6:2FTS
Sample: L2467934-07 S/N:47.6 Points Across peak:19



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_26.wiff2_11
Last Altered: 12/24/2024 7:52:08 AM
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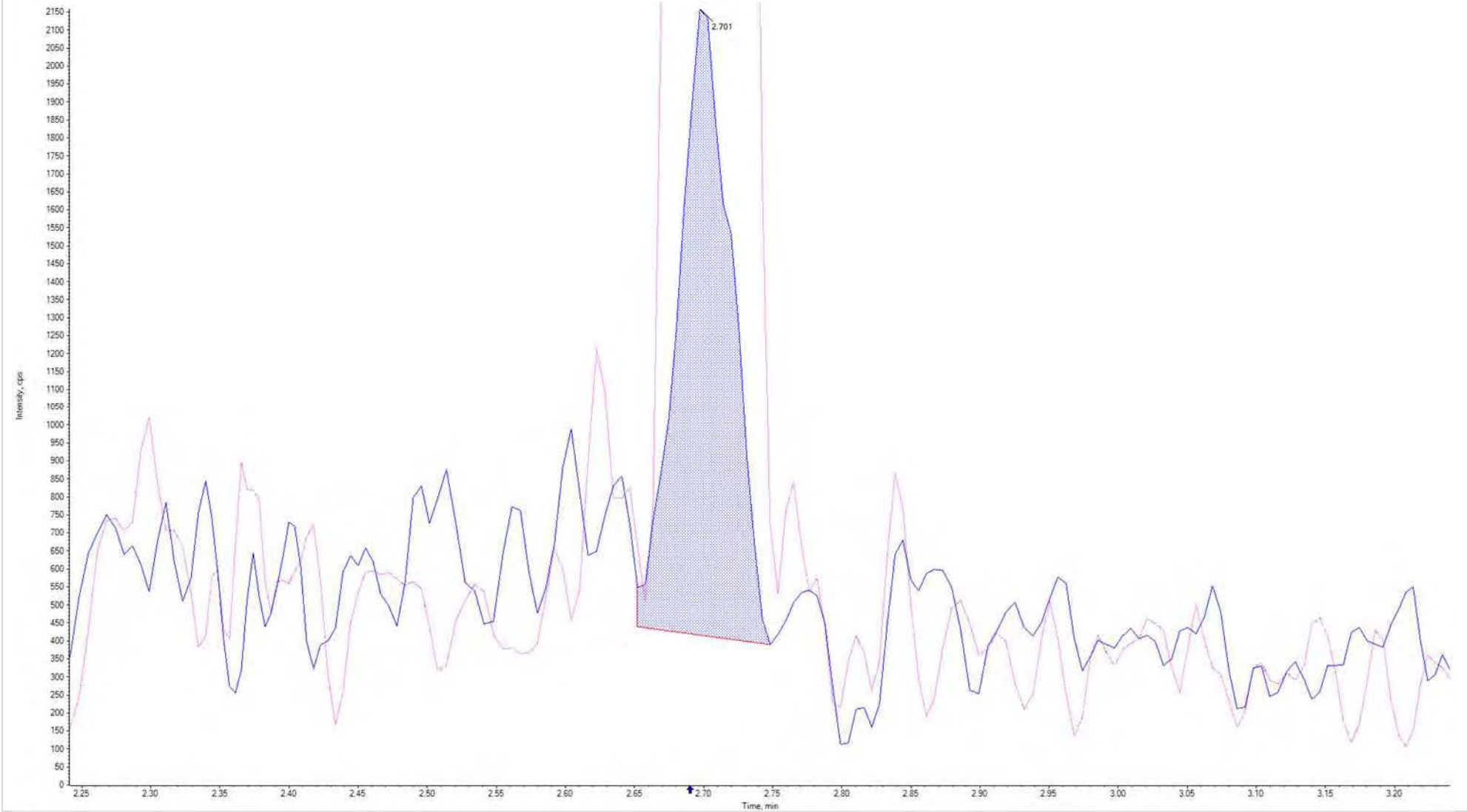
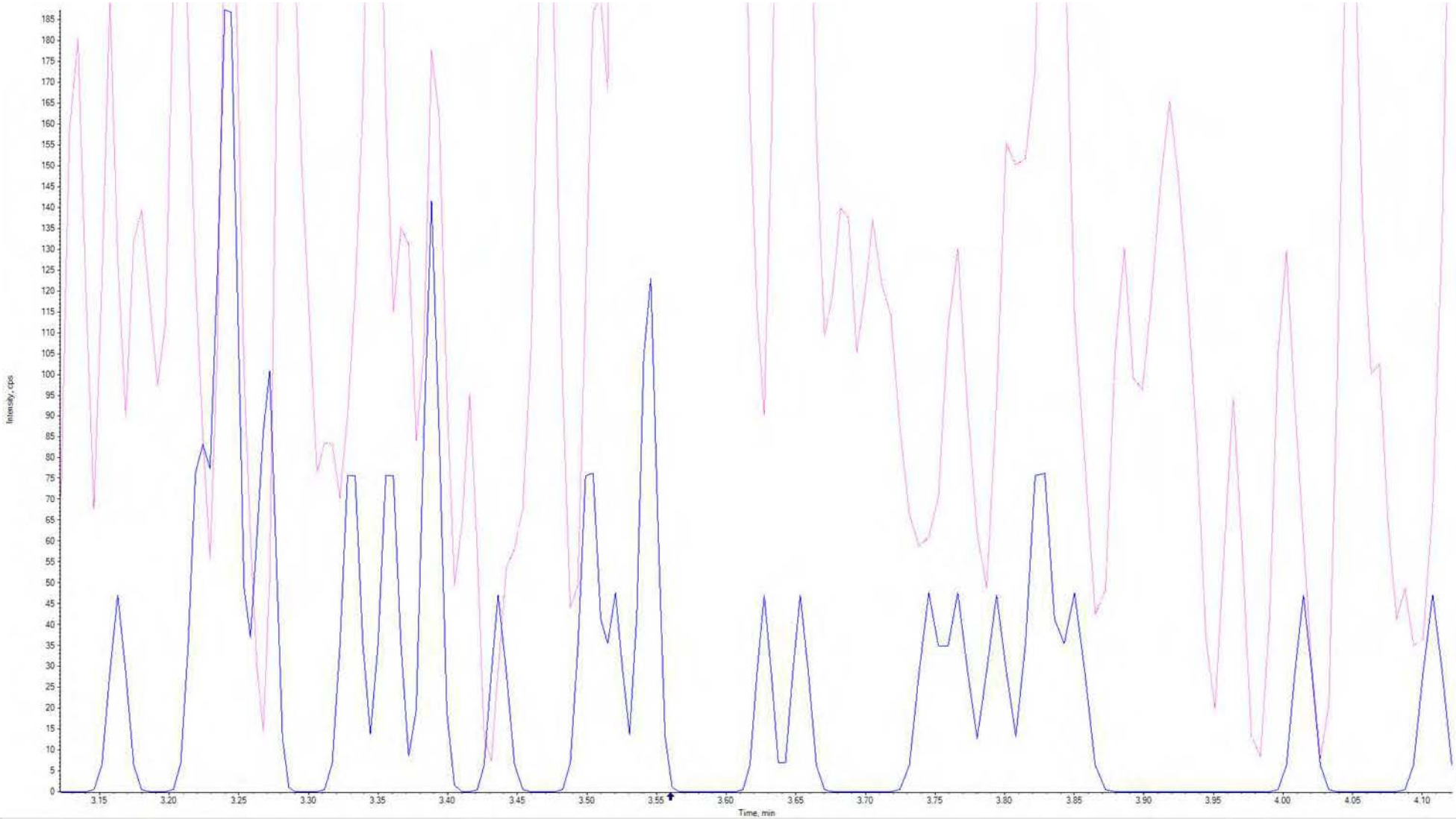
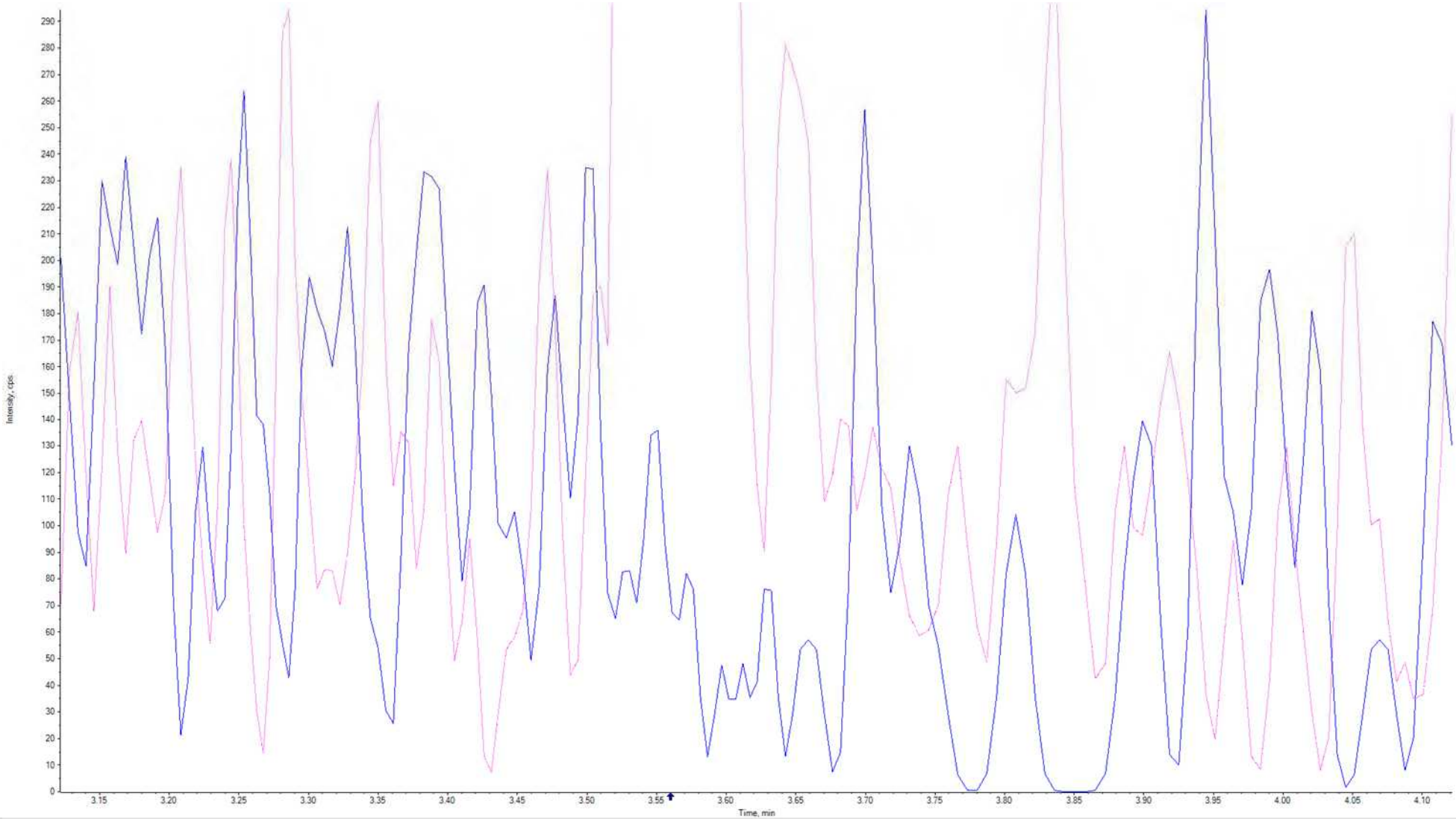
6:2FTS_2
Sample: L2467934-07 S/N:34.9 Points Across peak:18



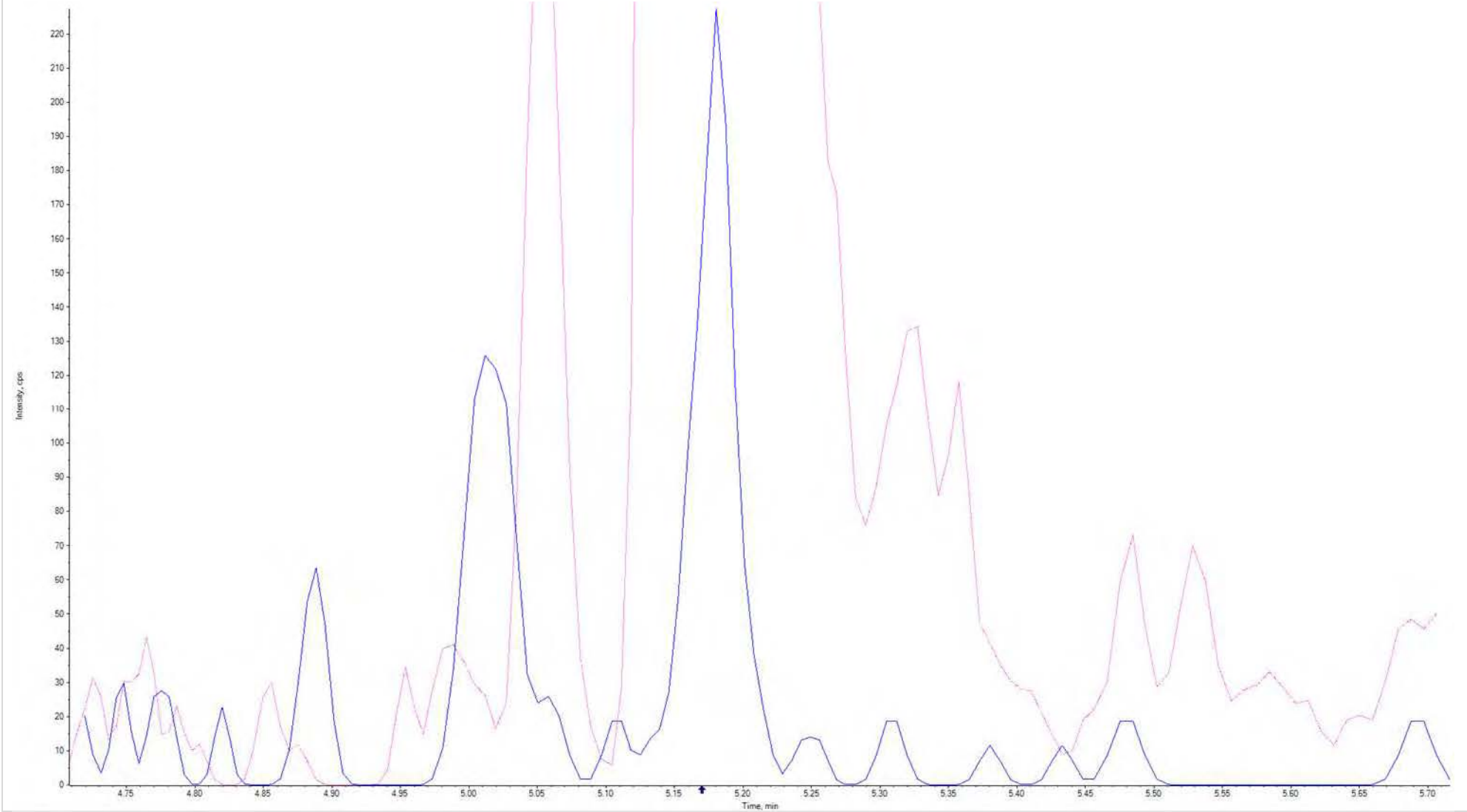
8:2FTS
Sample: L2467934-07 S/N:N/A Points Across peak:N/A



8:2FTS_2
Sample: L2467934-07 S/N:N/A Points Across peak:N/A



PFOSA
Sample: L2467934-07 S/N:N/A Points Across peak:N/A



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Alpha Analytical LLC
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Last Altered: 12/24/2024 7:52:08 AM
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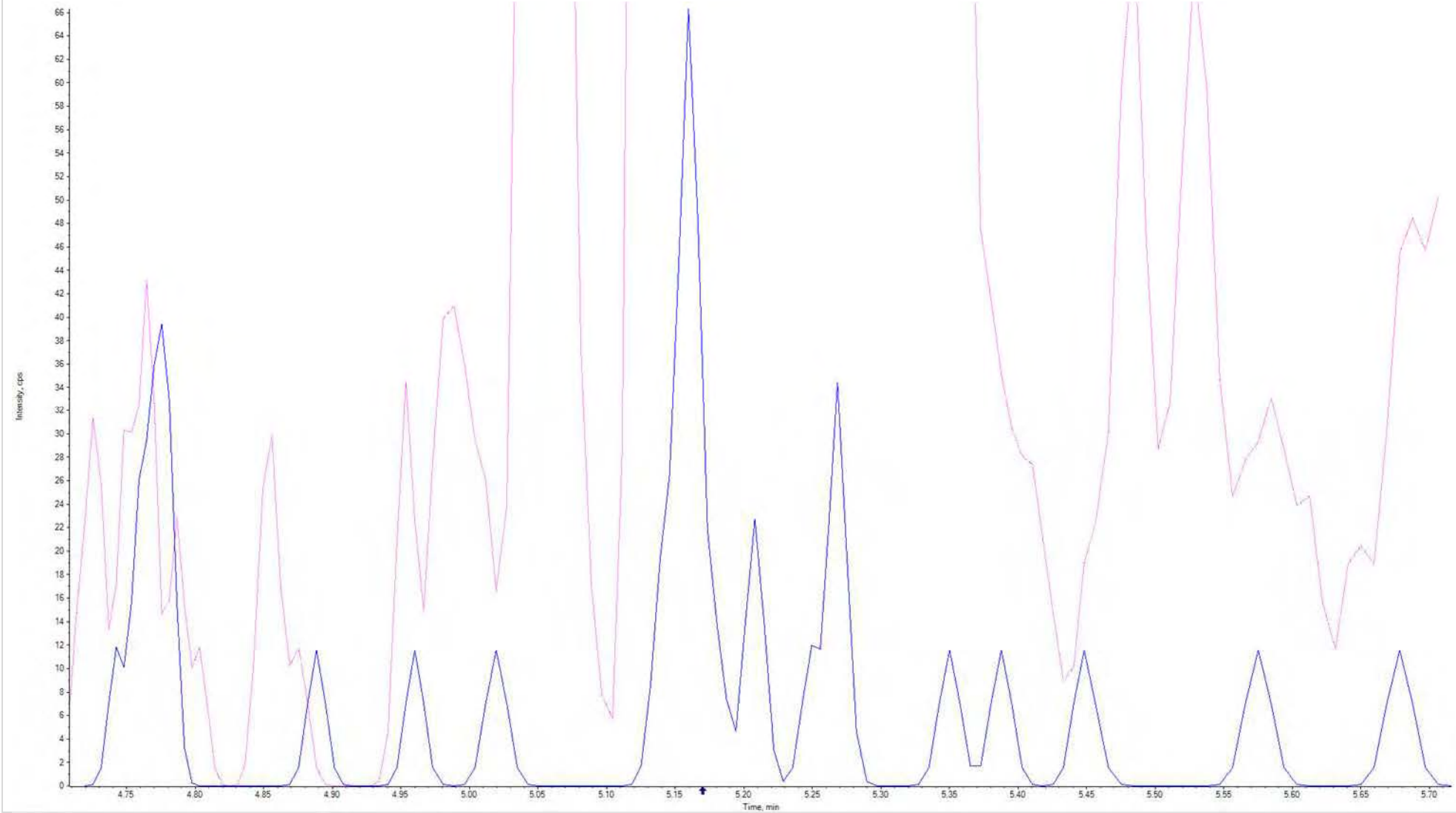
PFOSA_2
Sample: L2467934-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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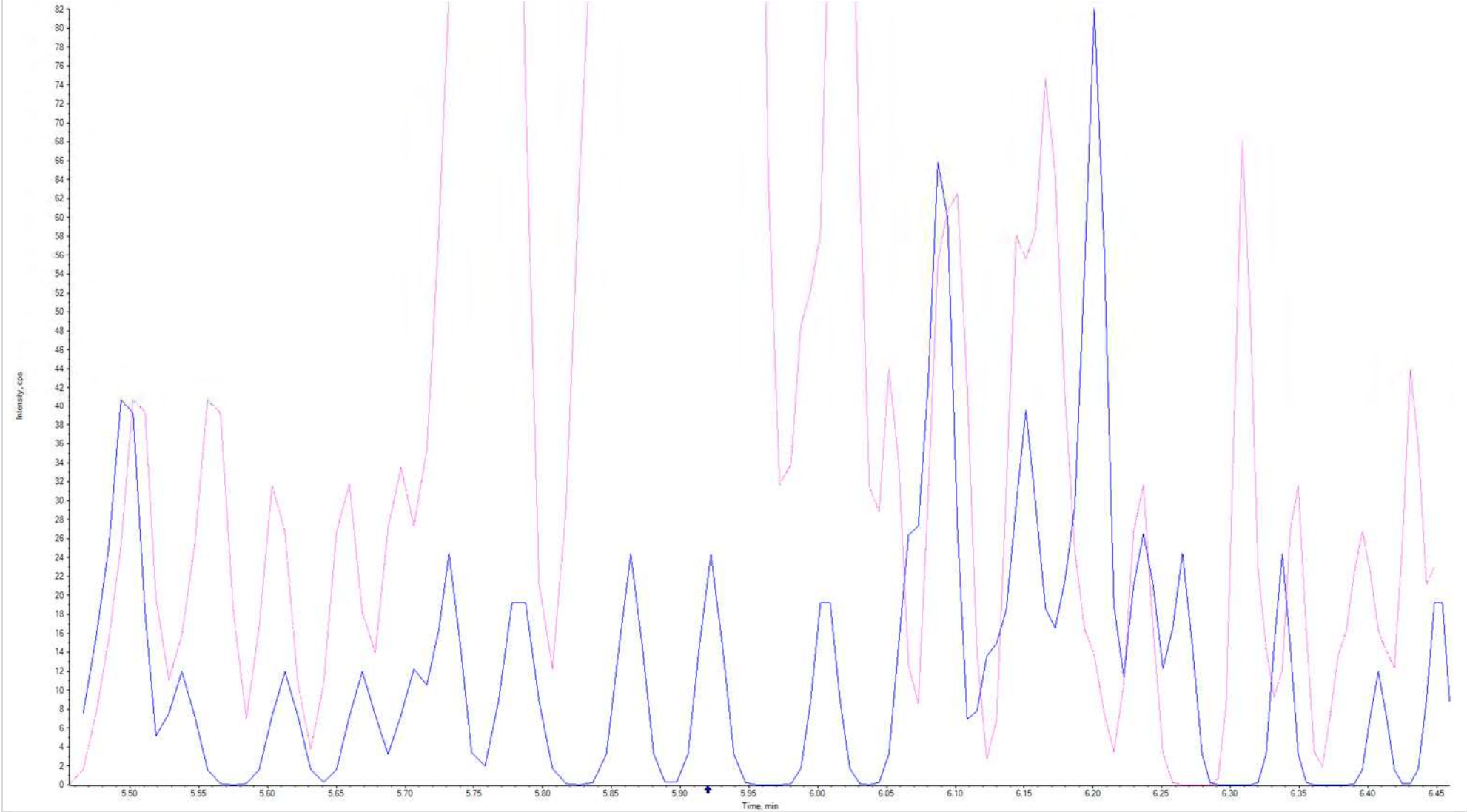
Generated: 12/23/2024 2:36:12 PM

NMeFOSA
Sample: L2467934-07 S/N:N/A Points Across peak:N/A



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Alpha Analytical LLC
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Last Altered: 12/24/2024 7:52:08 AM
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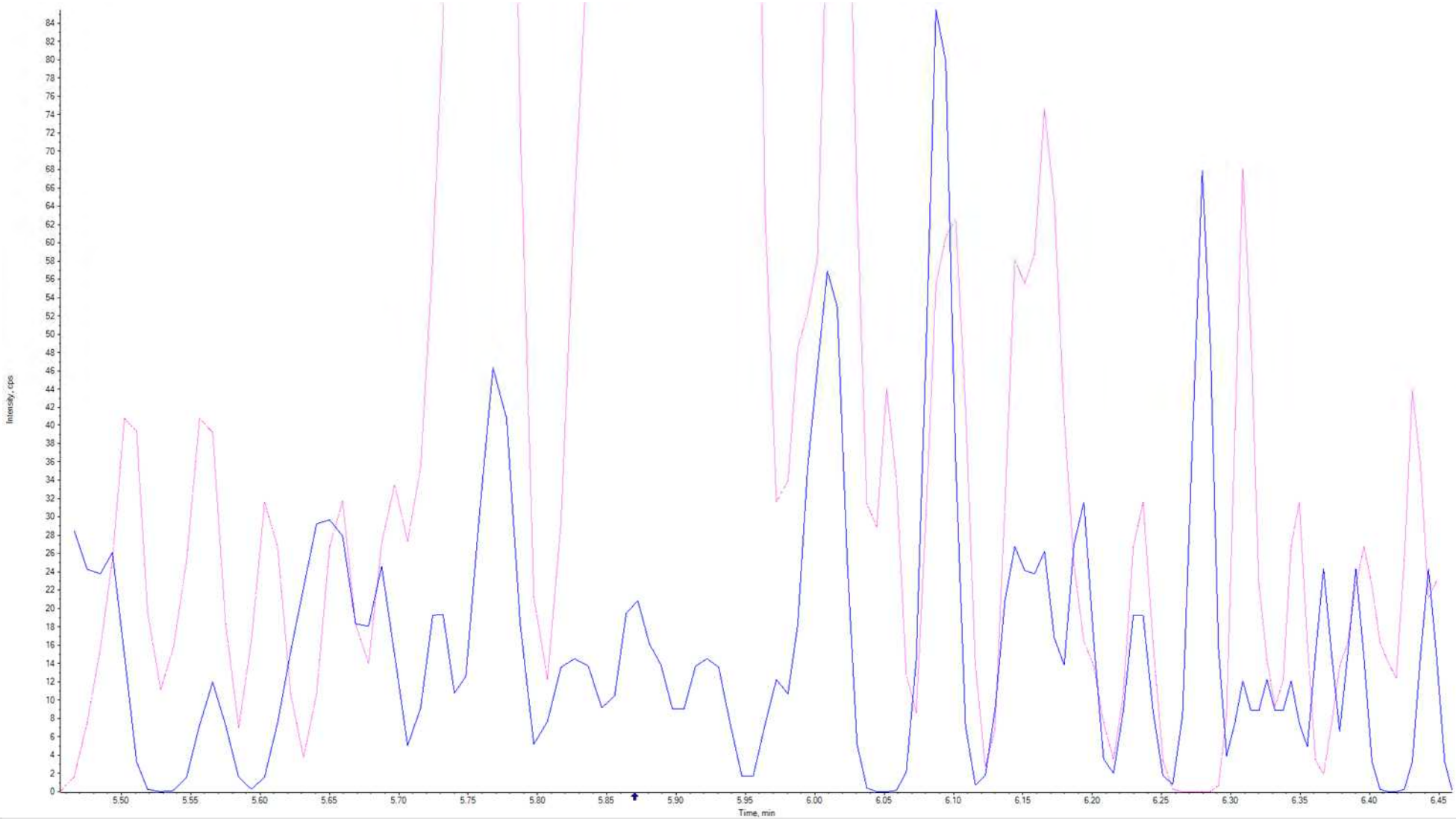
NMeFOSA_2
Sample: L2467934-07 S/N:N/A Points Across peak:N/A



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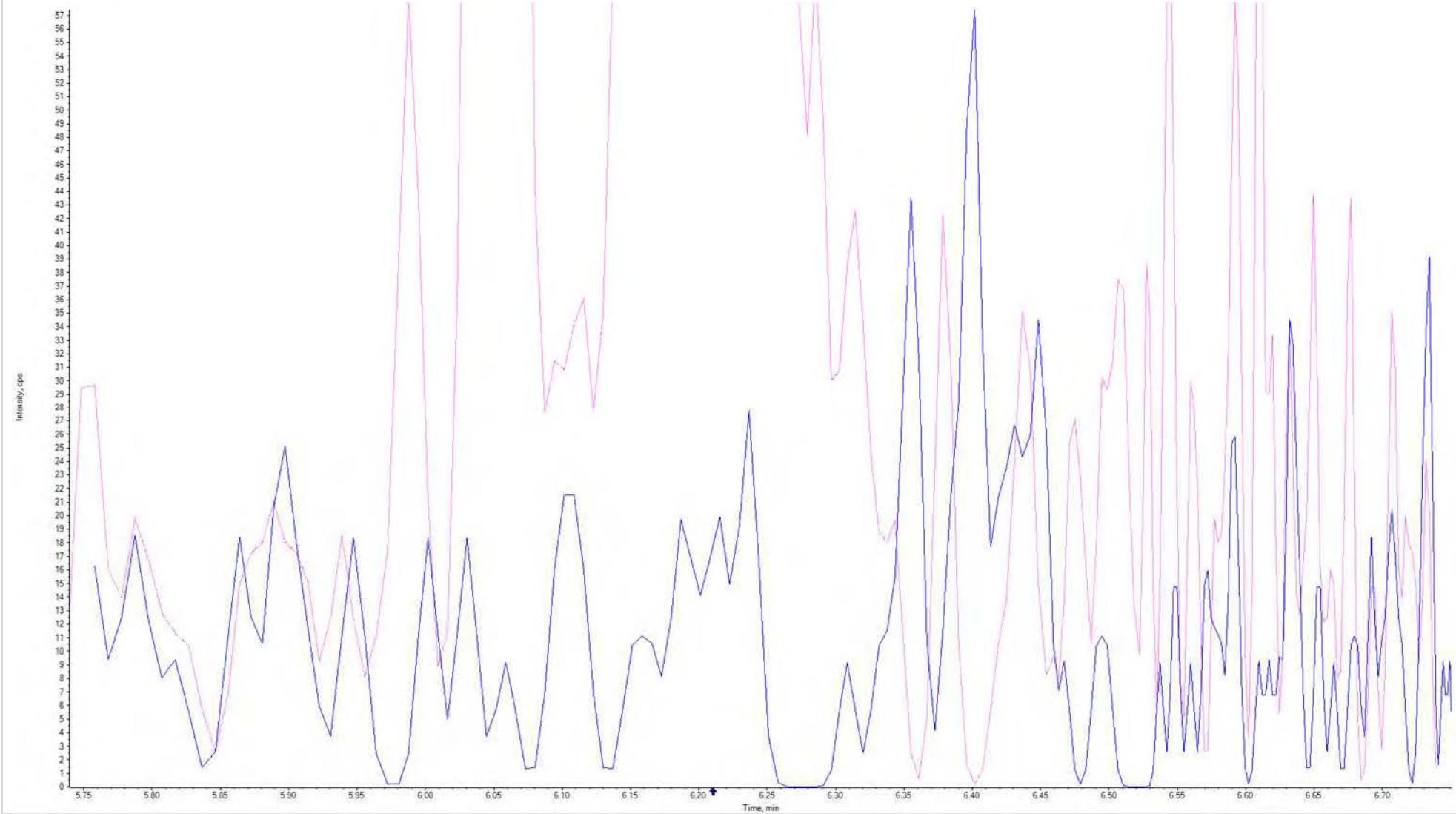
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_26.wiff2_11
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

NEtFOSA
Sample: L2467934-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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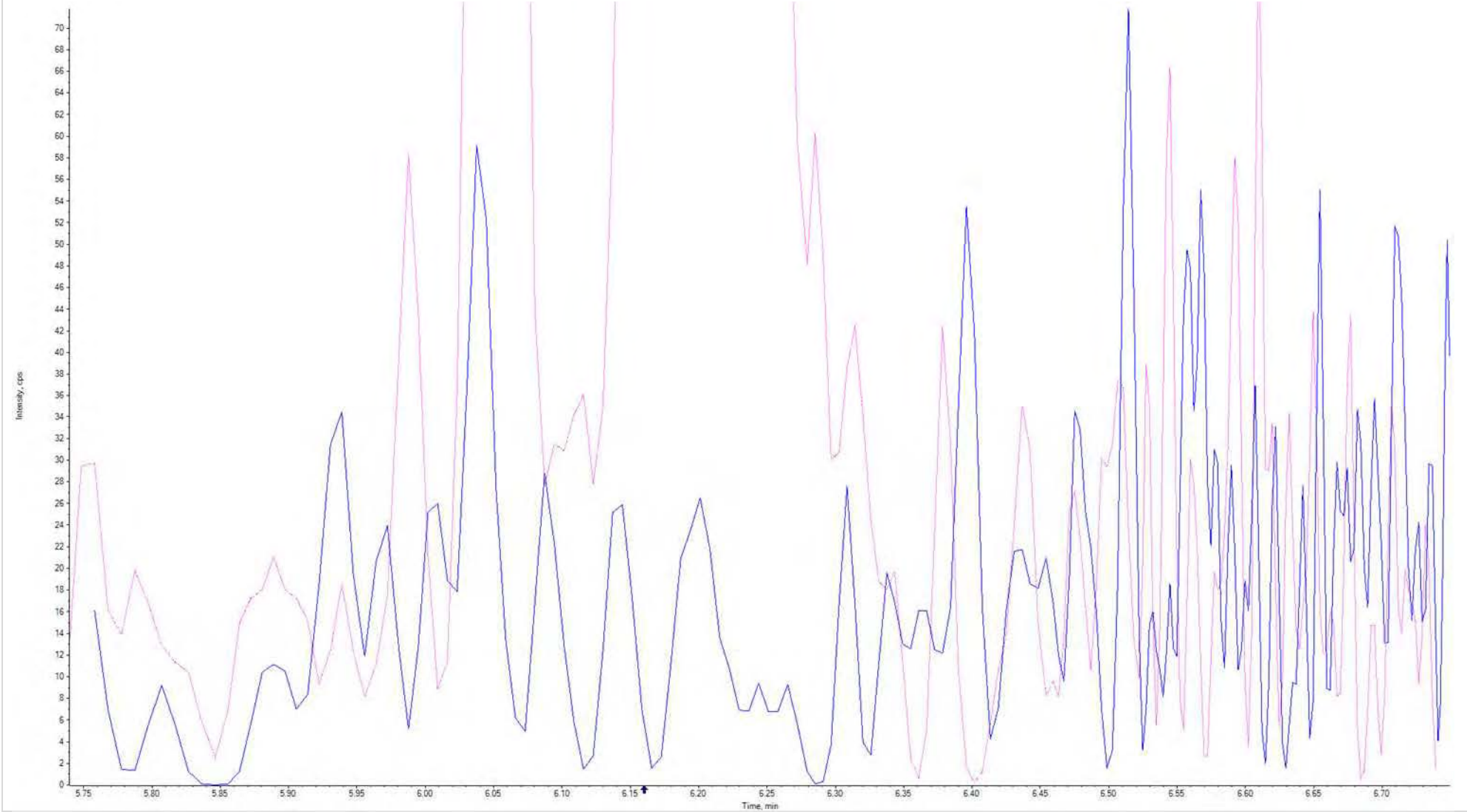
Generated: 12/23/2024 2:36:12 PM

NEtFOSA_2
Sample: L2467934-07 S/N:N/A Points Across peak:N/A



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Alpha Analytical LLC
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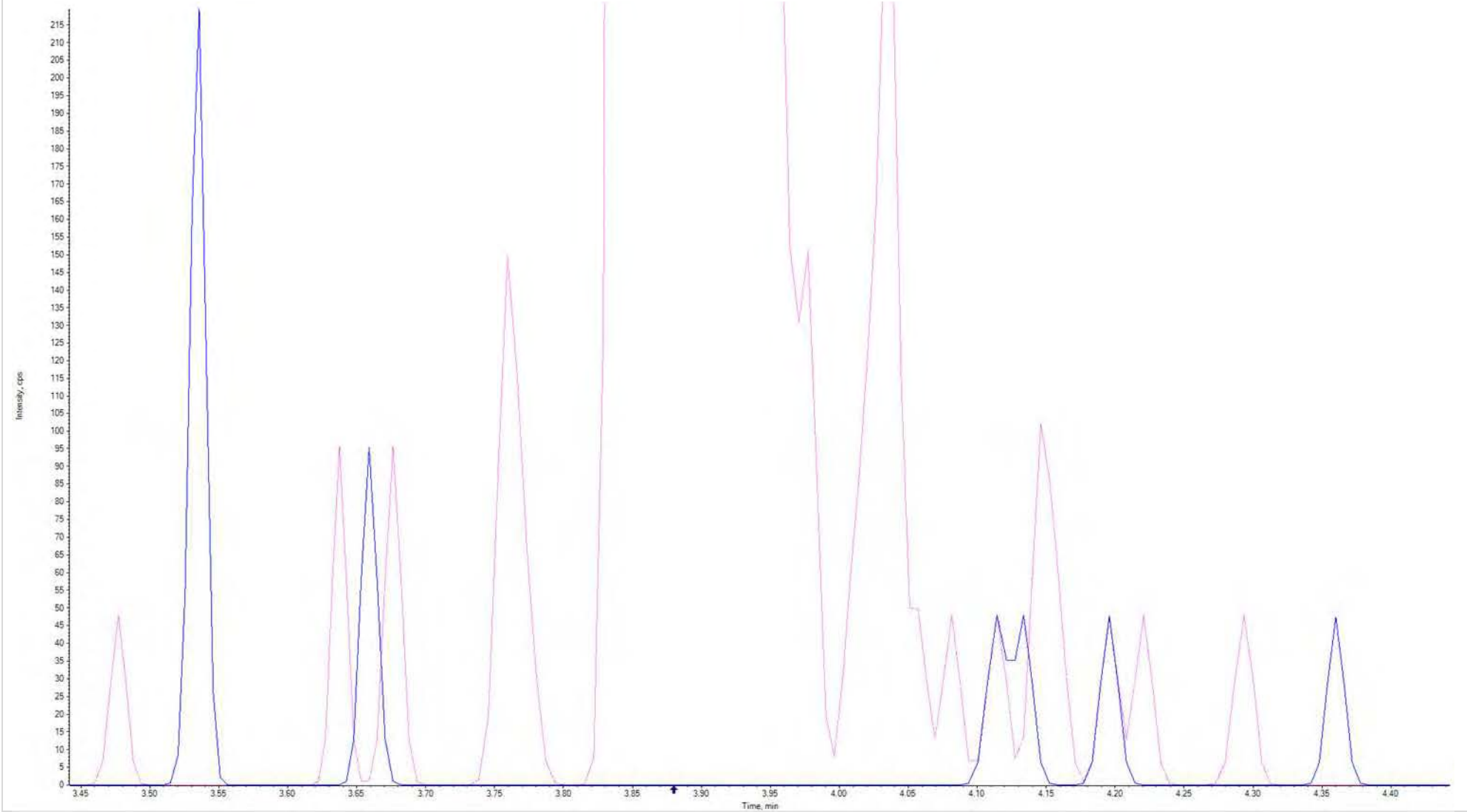
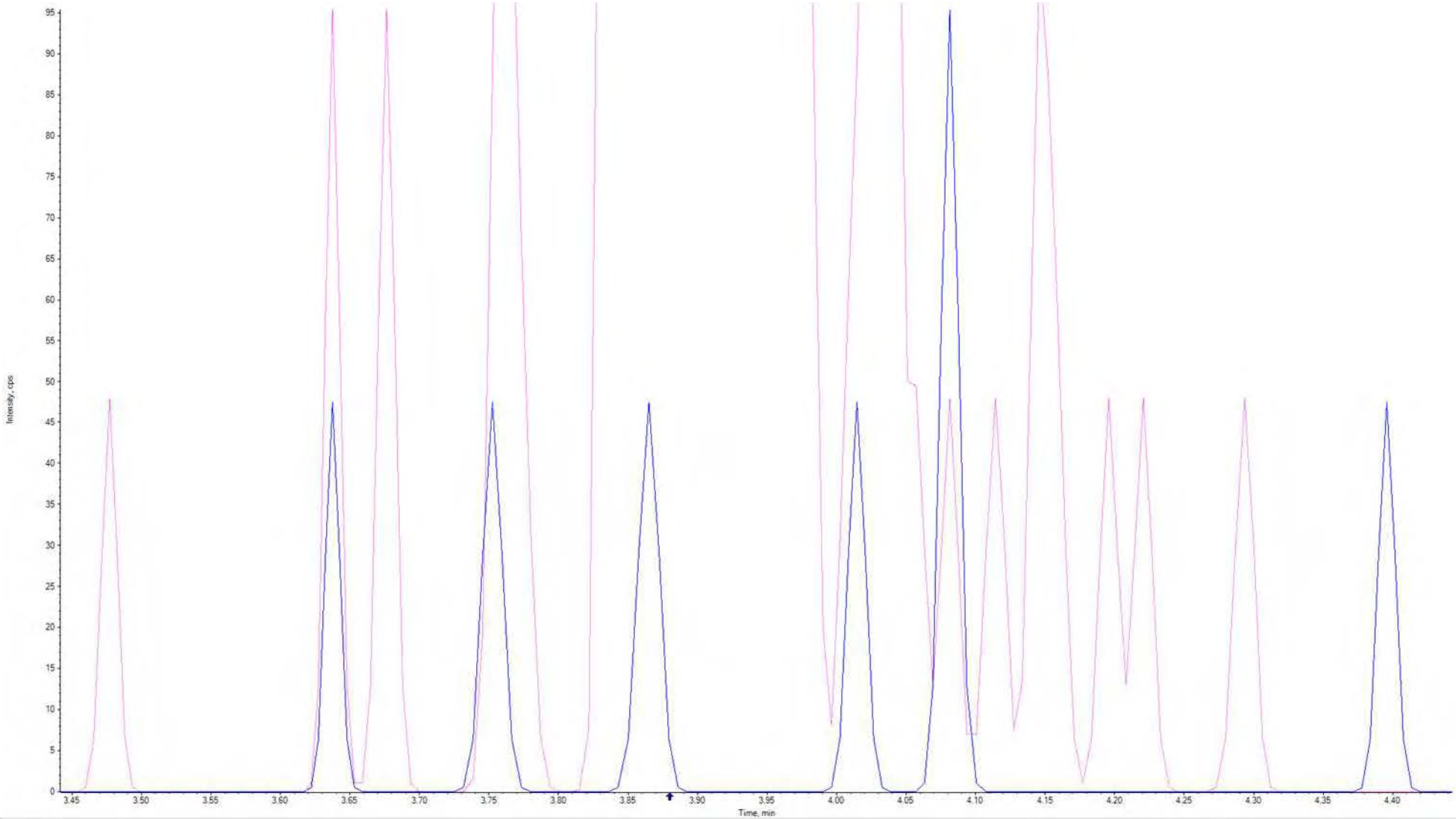
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

NMeFOSAA
Sample: L2467934-07 S/N:N/A Points Across peak:N/A



NMeFOSAA_2
Sample: L2467934-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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NEtFOSAA
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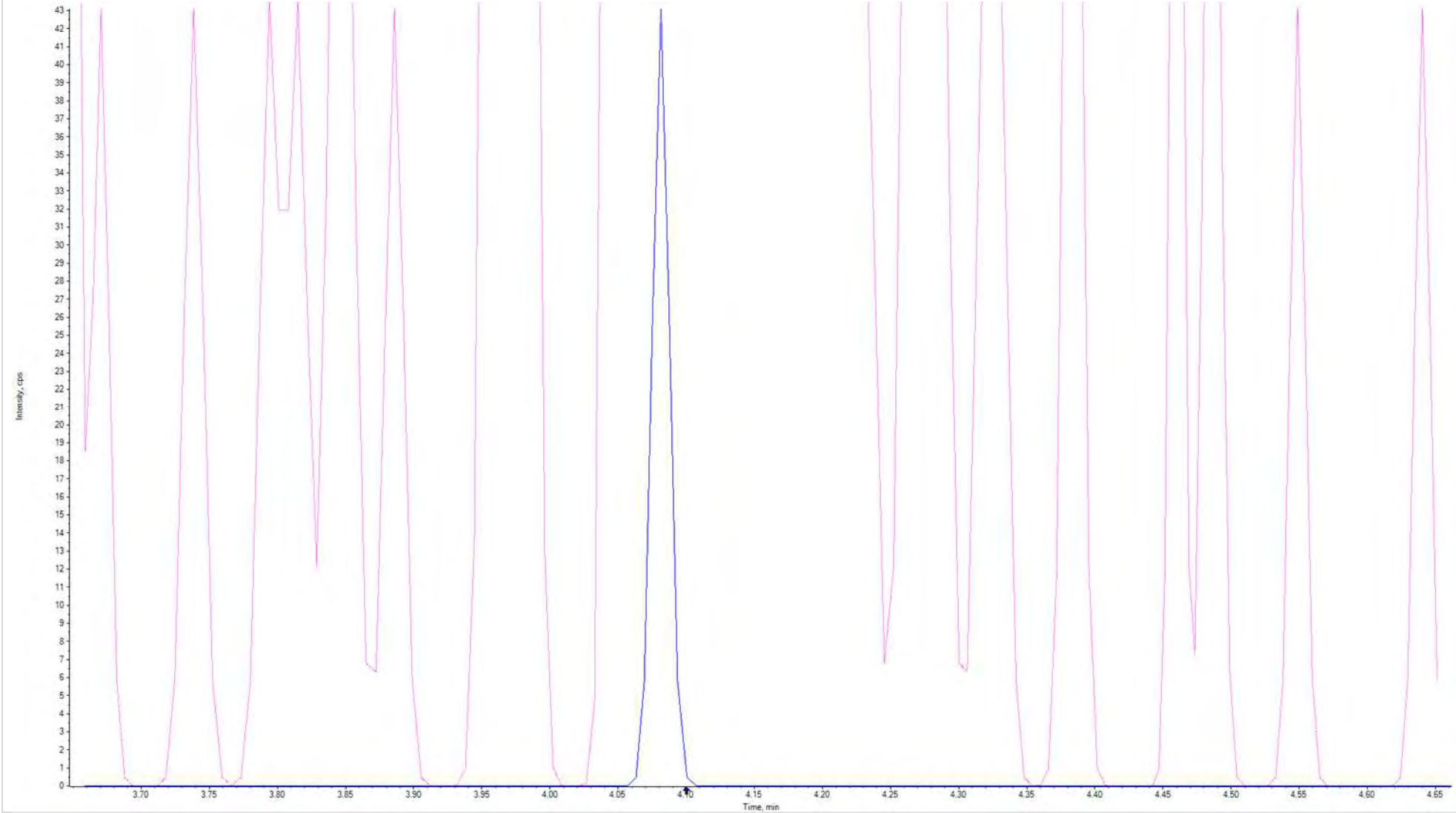

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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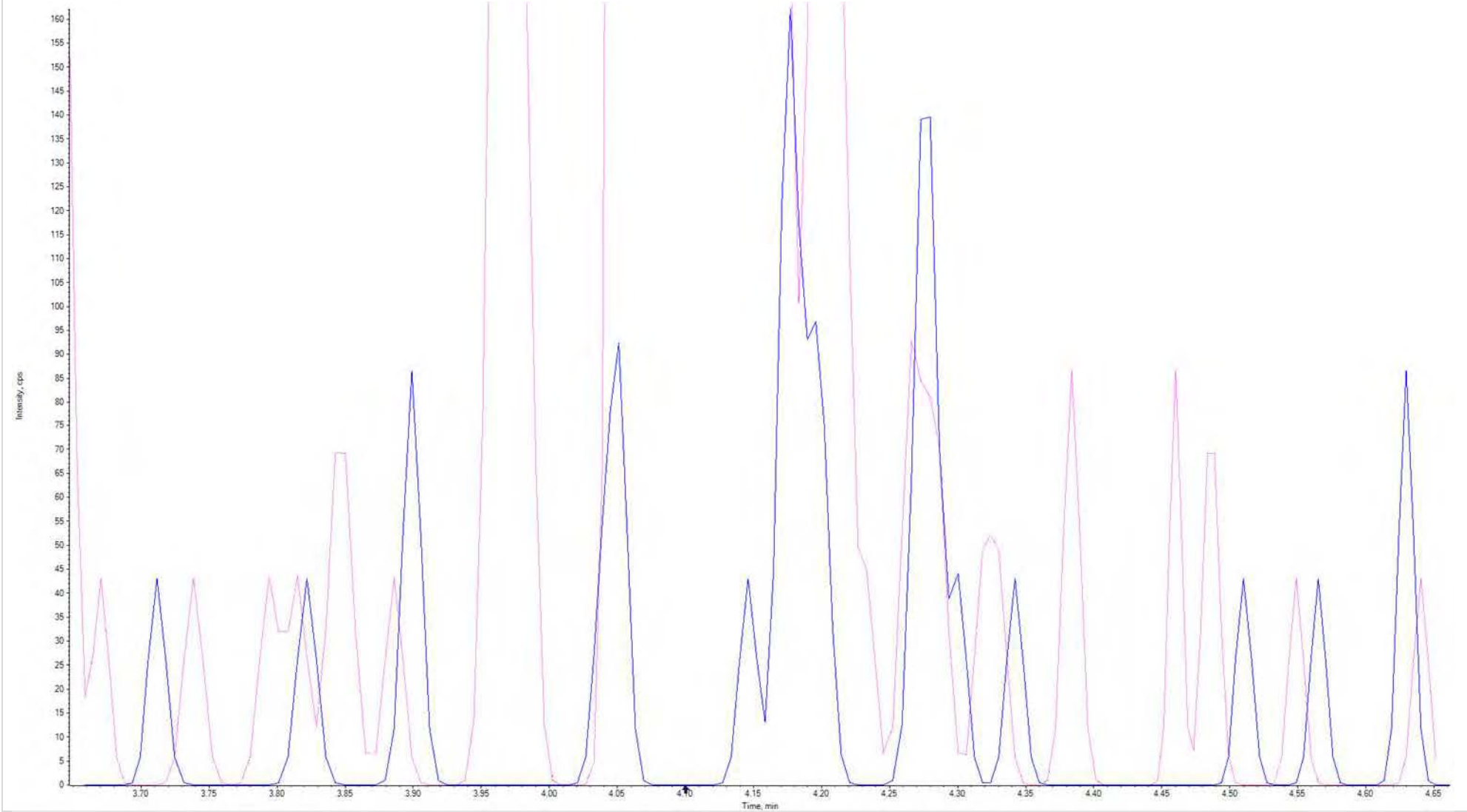
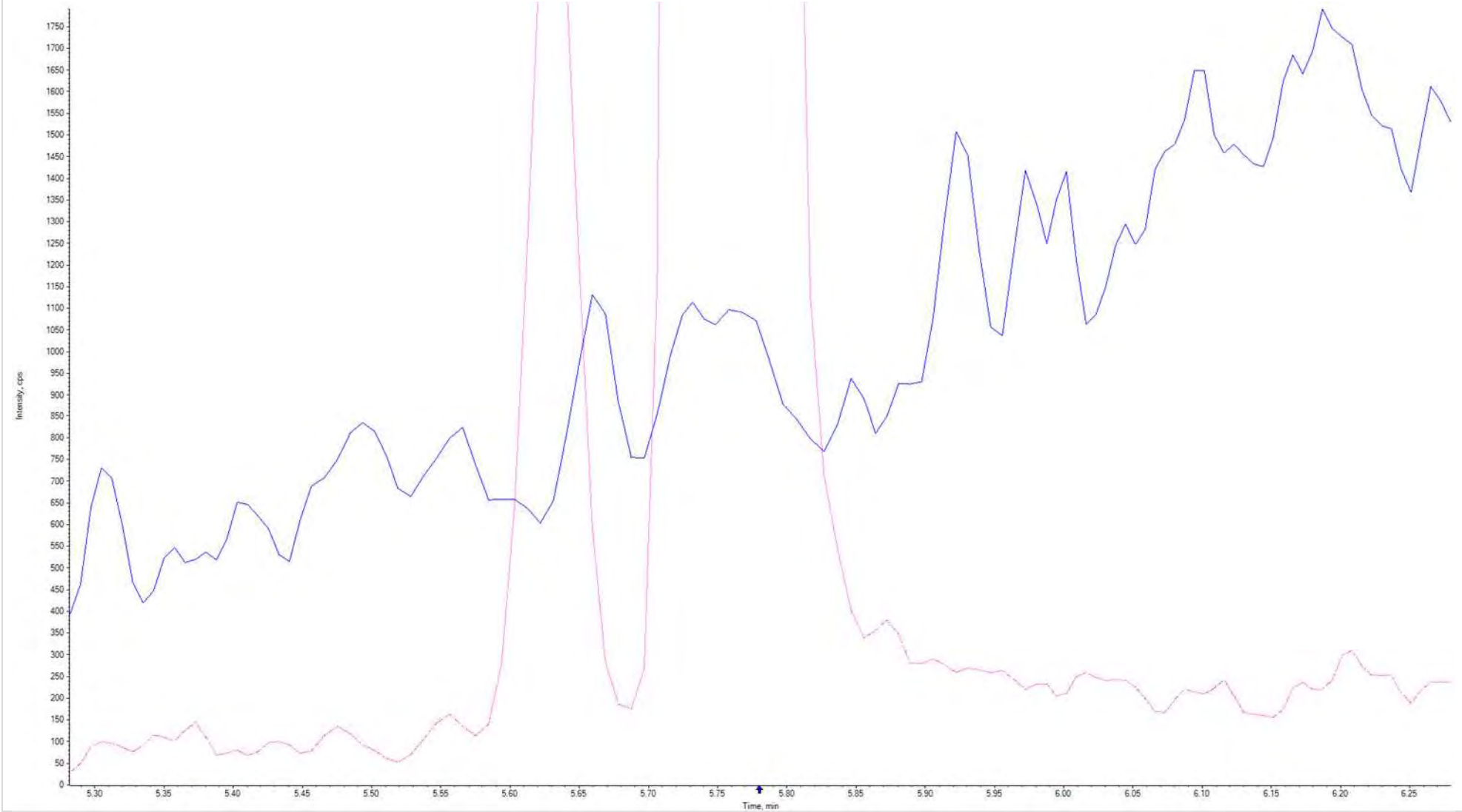
Generated: 12/23/2024 2:36:12 PM

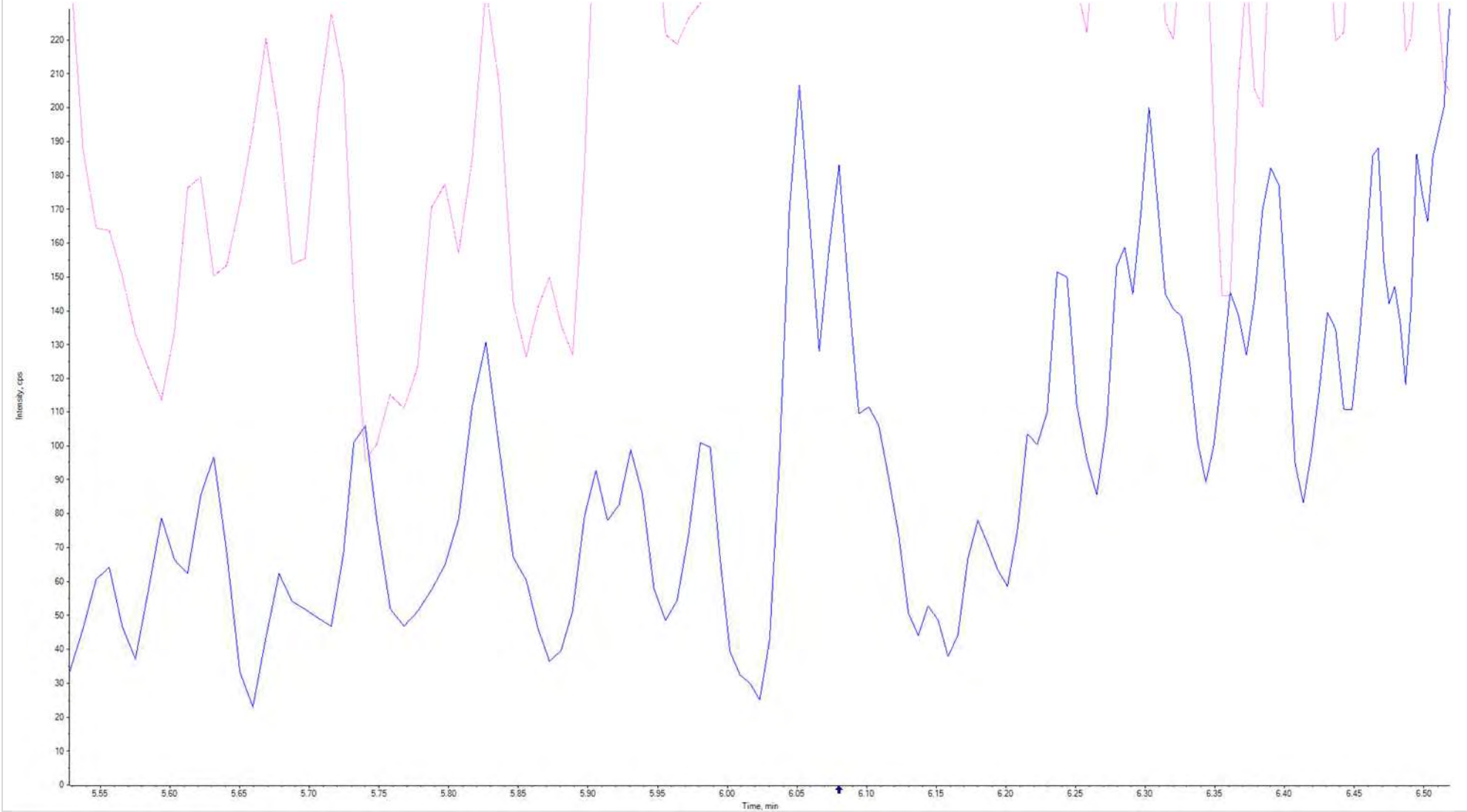
NEtFOSAA_2
Sample: L2467934-07 S/N:N/A Points Across peak:N/A



NMeFOSE
Sample: L2467934-07 S/N:N/A Points Across peak:N/A



NEtFOSE
Sample: L2467934-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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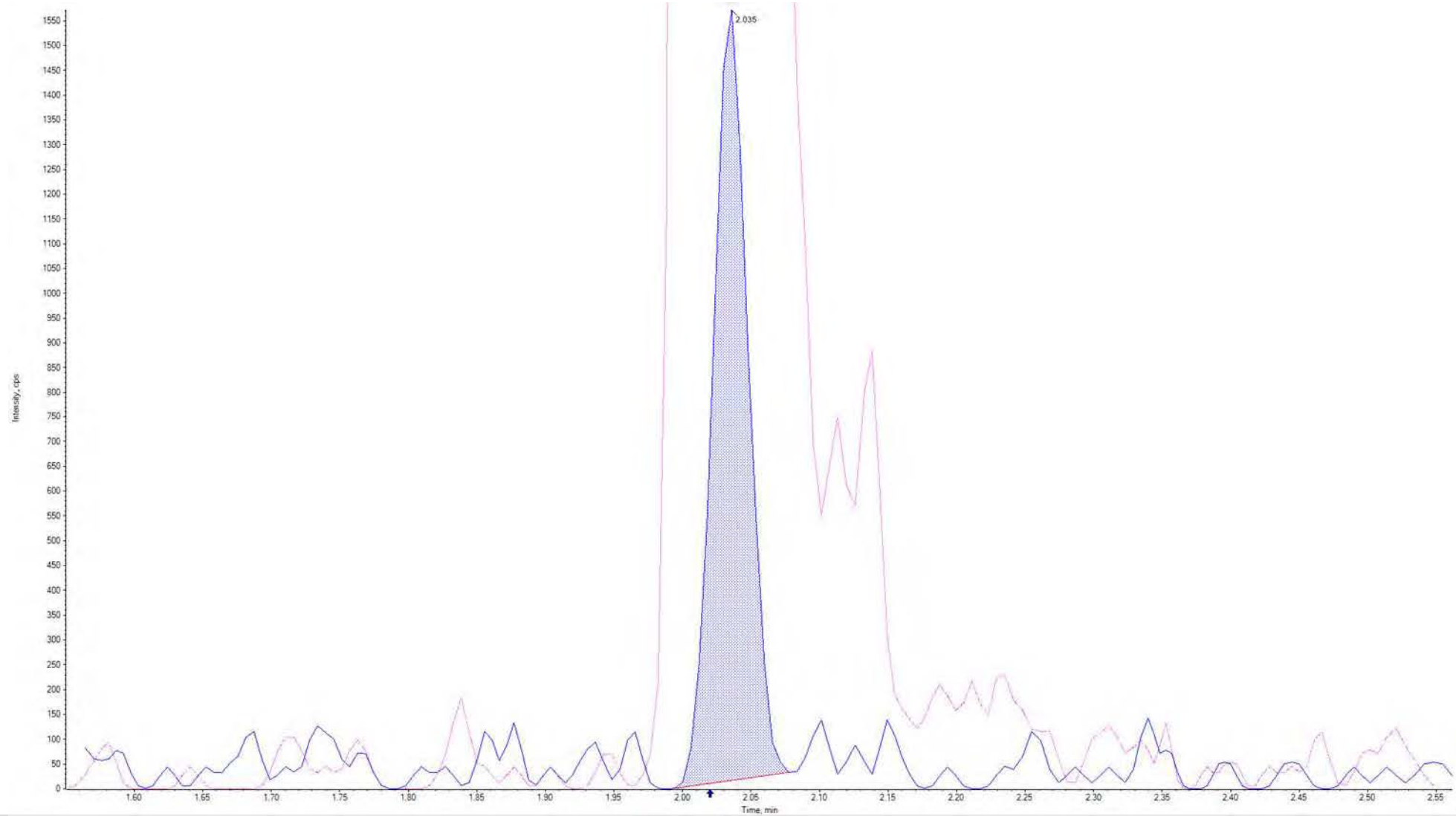
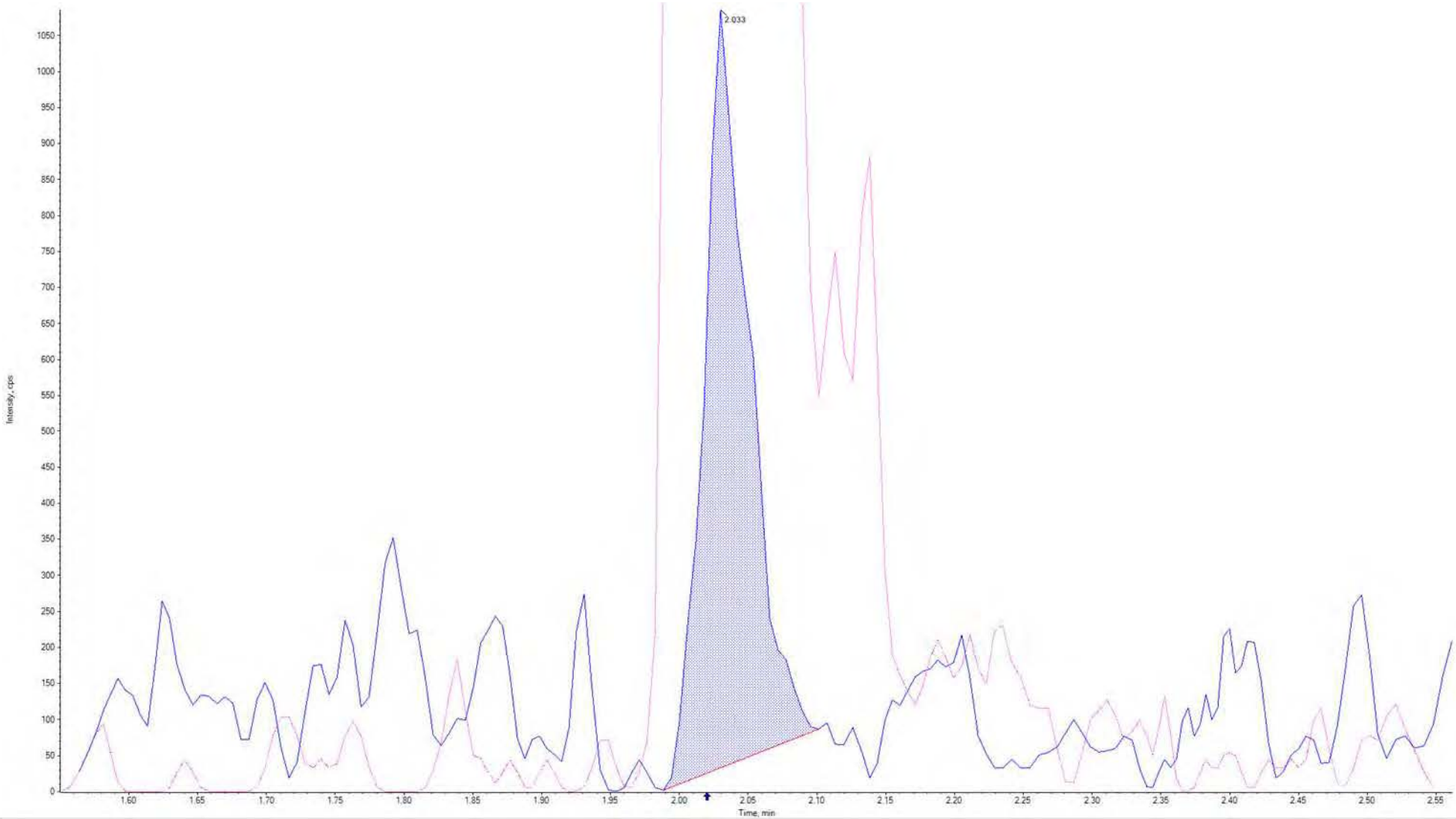
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

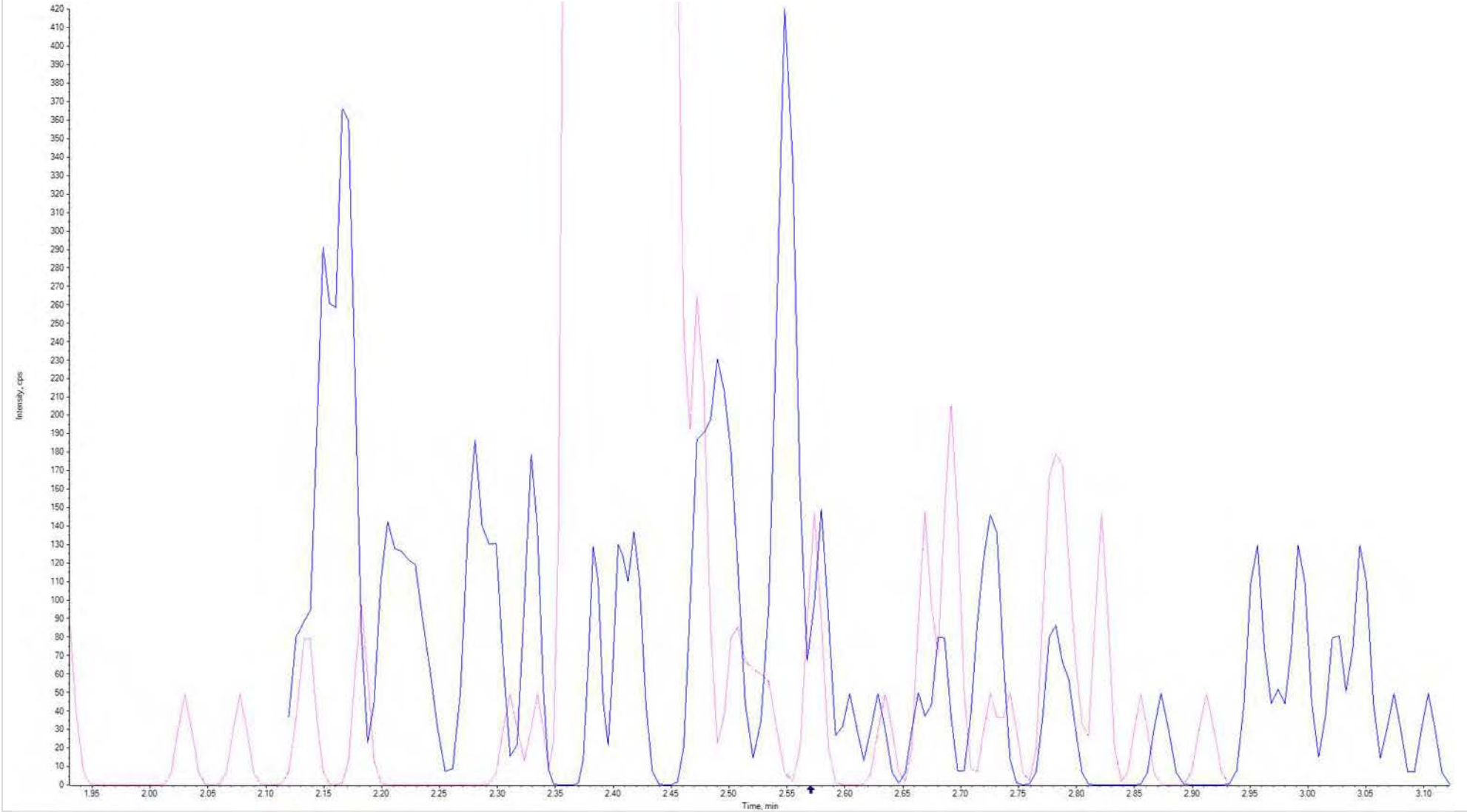
HFPO-DA
Sample: L2467934-07 S/N:35.1 Points Across peak:15



HFPO-DA_2
Sample: L2467934-07 S/N:23.7 Points Across peak:20



ADONA
Sample: L2467934-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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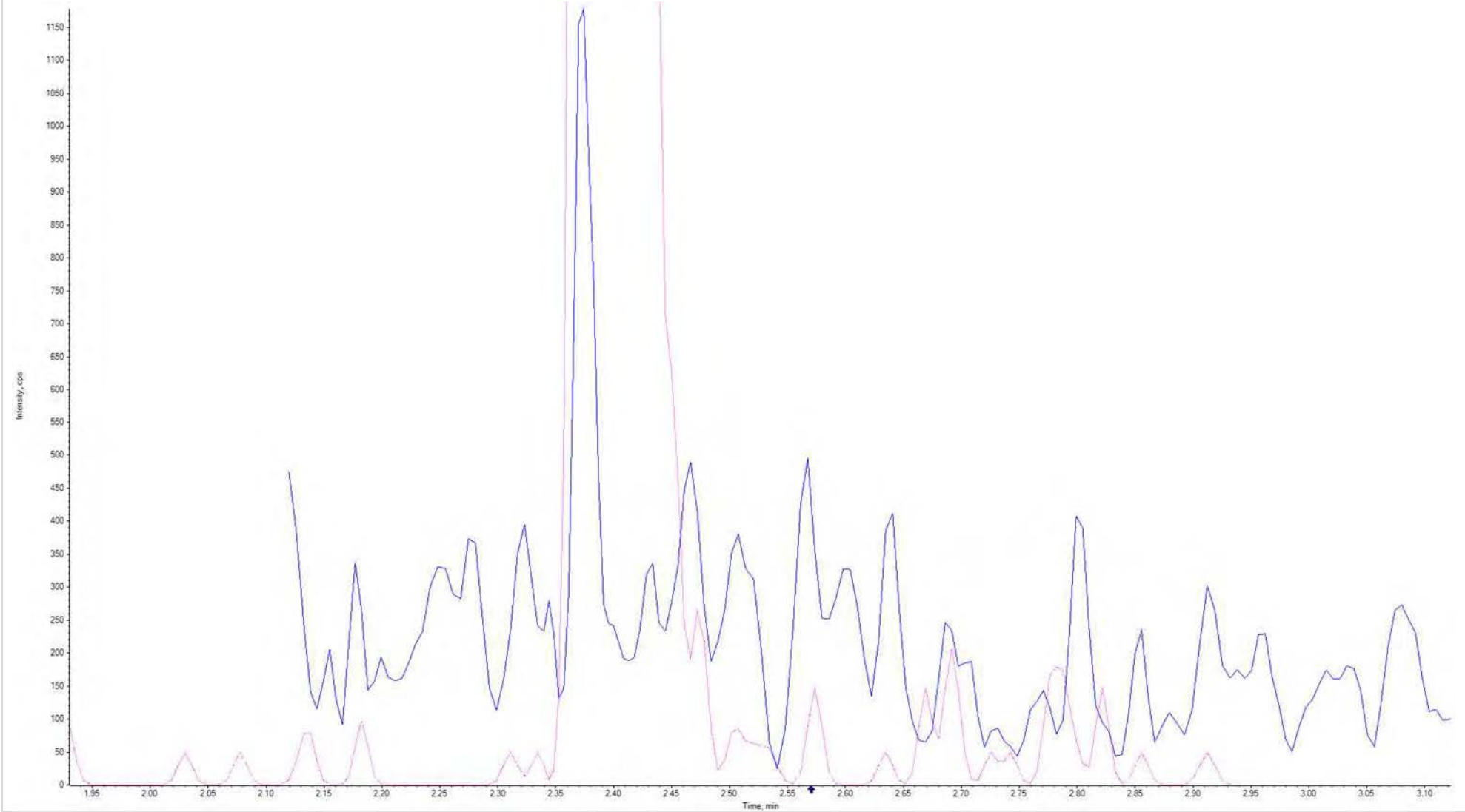
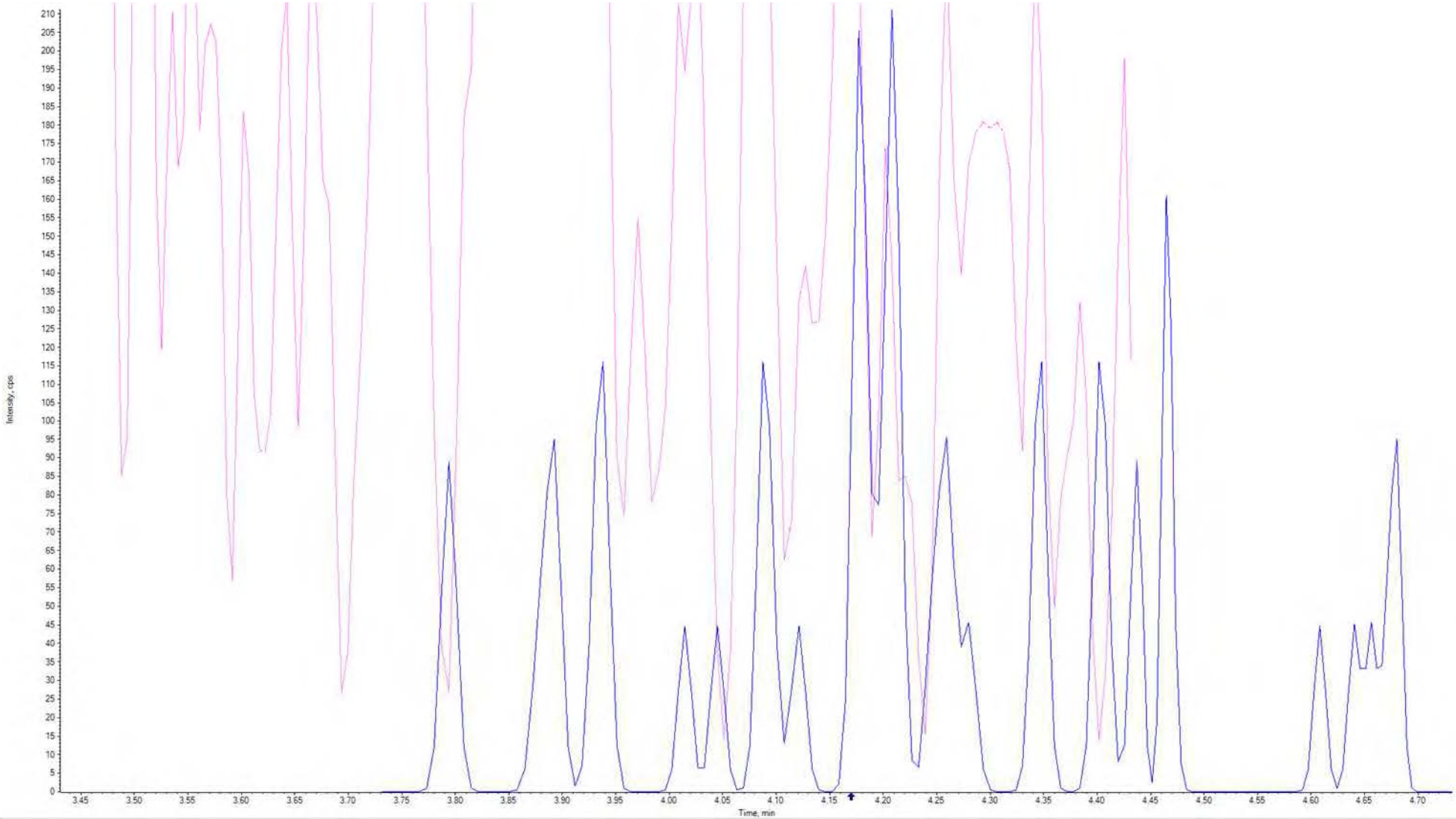
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

ADONA_2
Sample: L2467934-07 S/N:N/A Points Across peak:N/A



9Cl-PF3ONS
Sample: L2467934-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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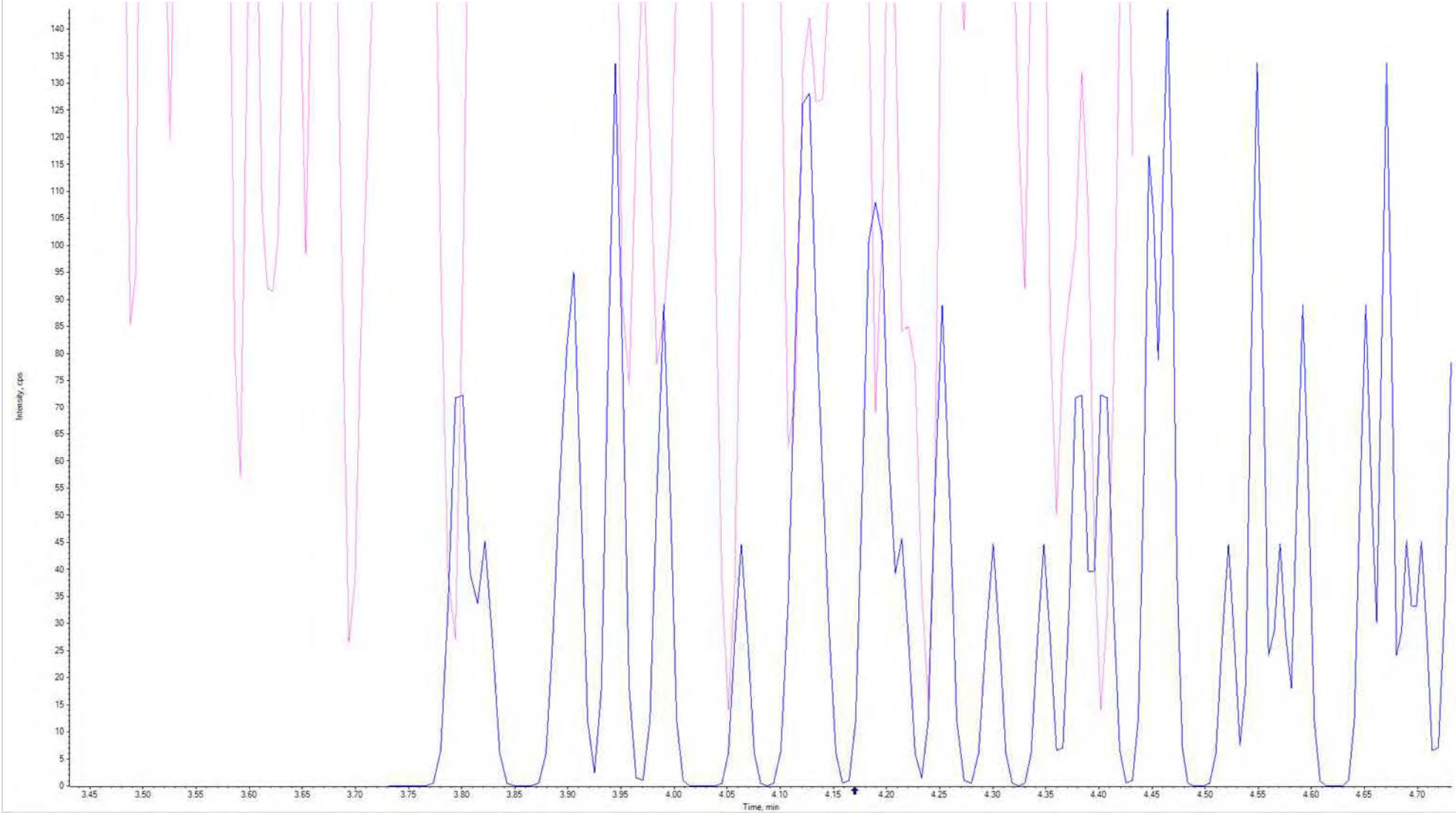
9Cl-PF3ONS_2
Sample: L2467934-07 S/N:N/A Points Across peak:N/A



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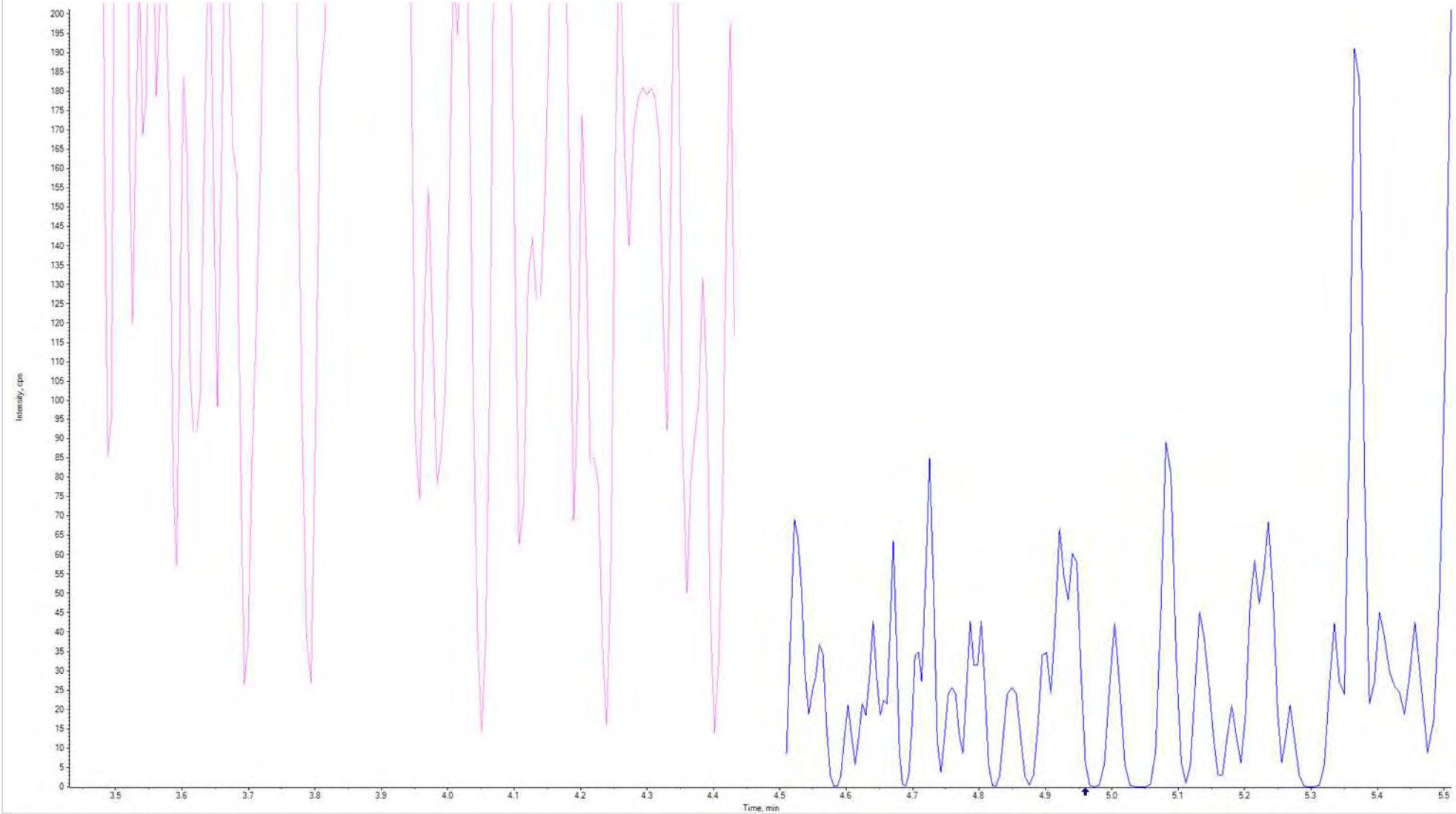
11Cl-PF3OUdS
Sample: L2467934-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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11Cl-PF3OUdS_2
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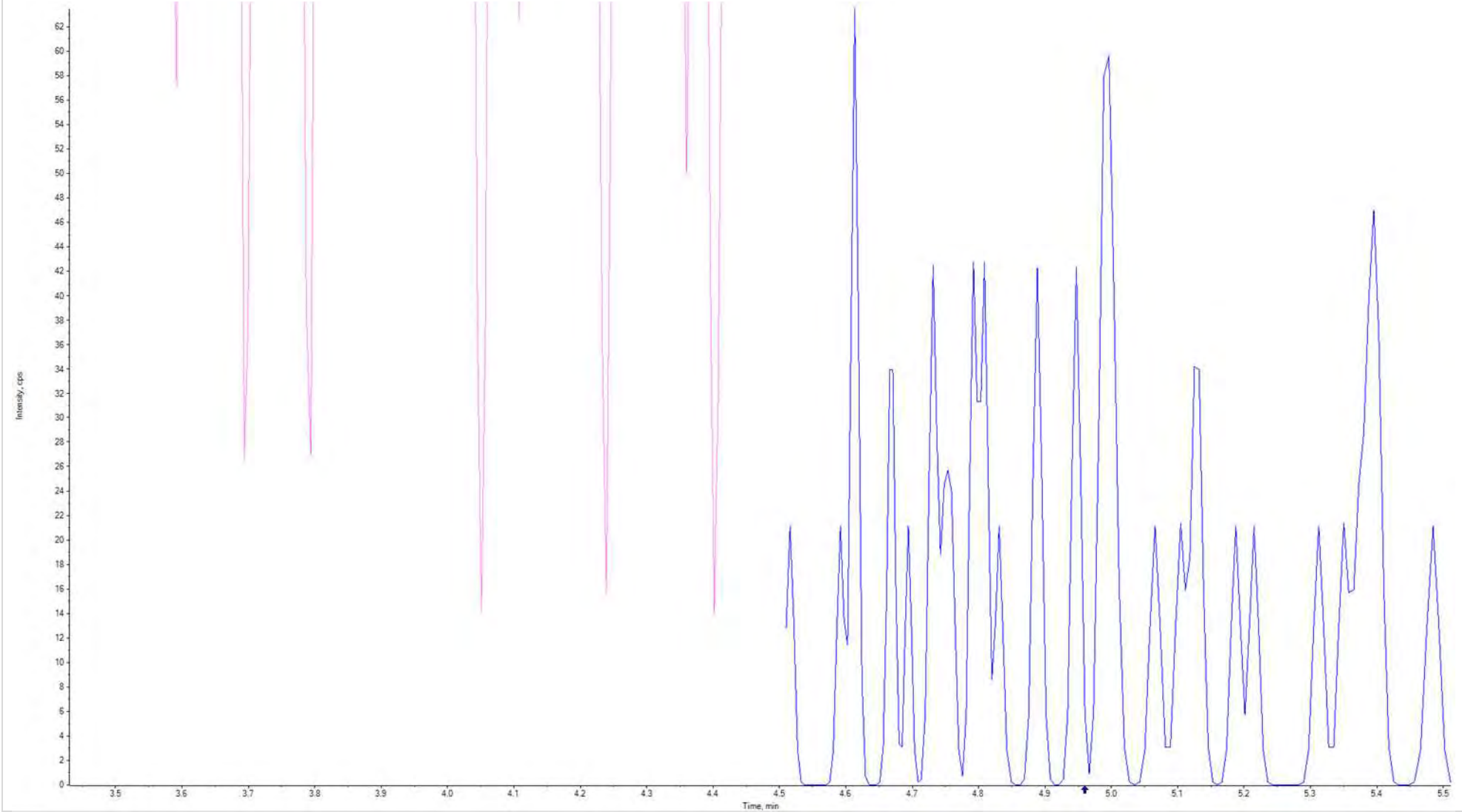

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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3:3FTCA
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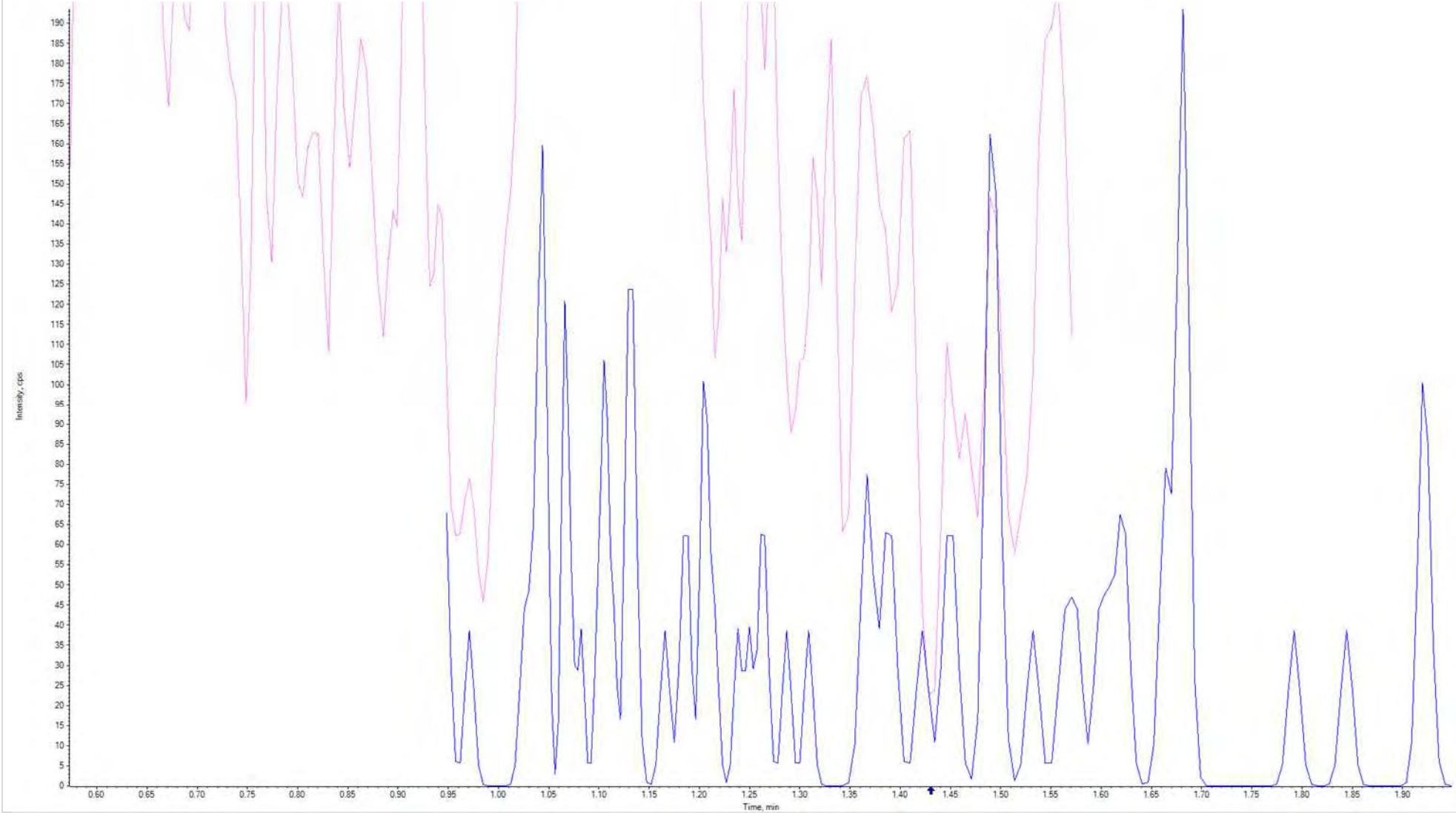

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Alpha Analytical LLC
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3:3FTCA_2
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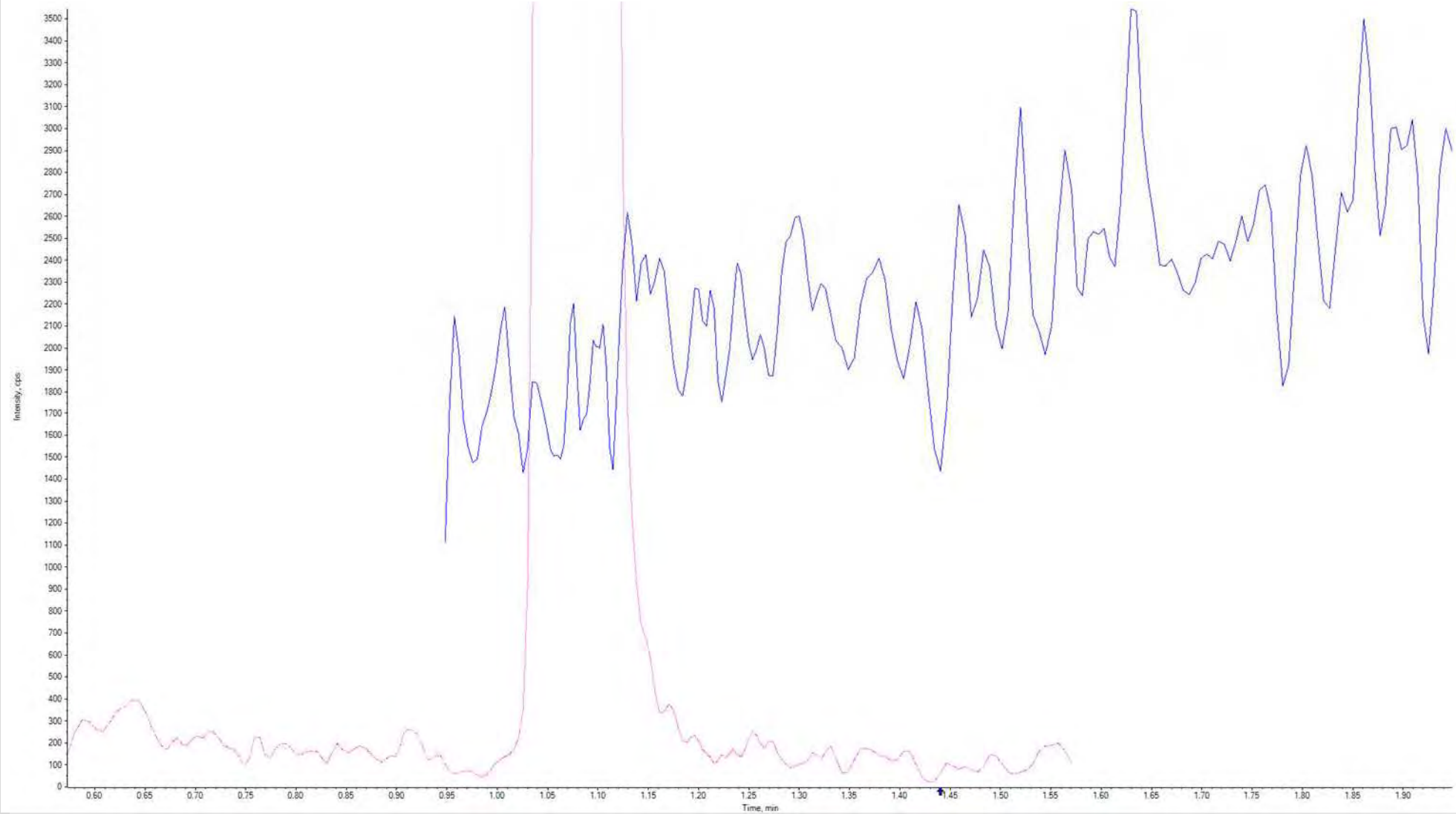

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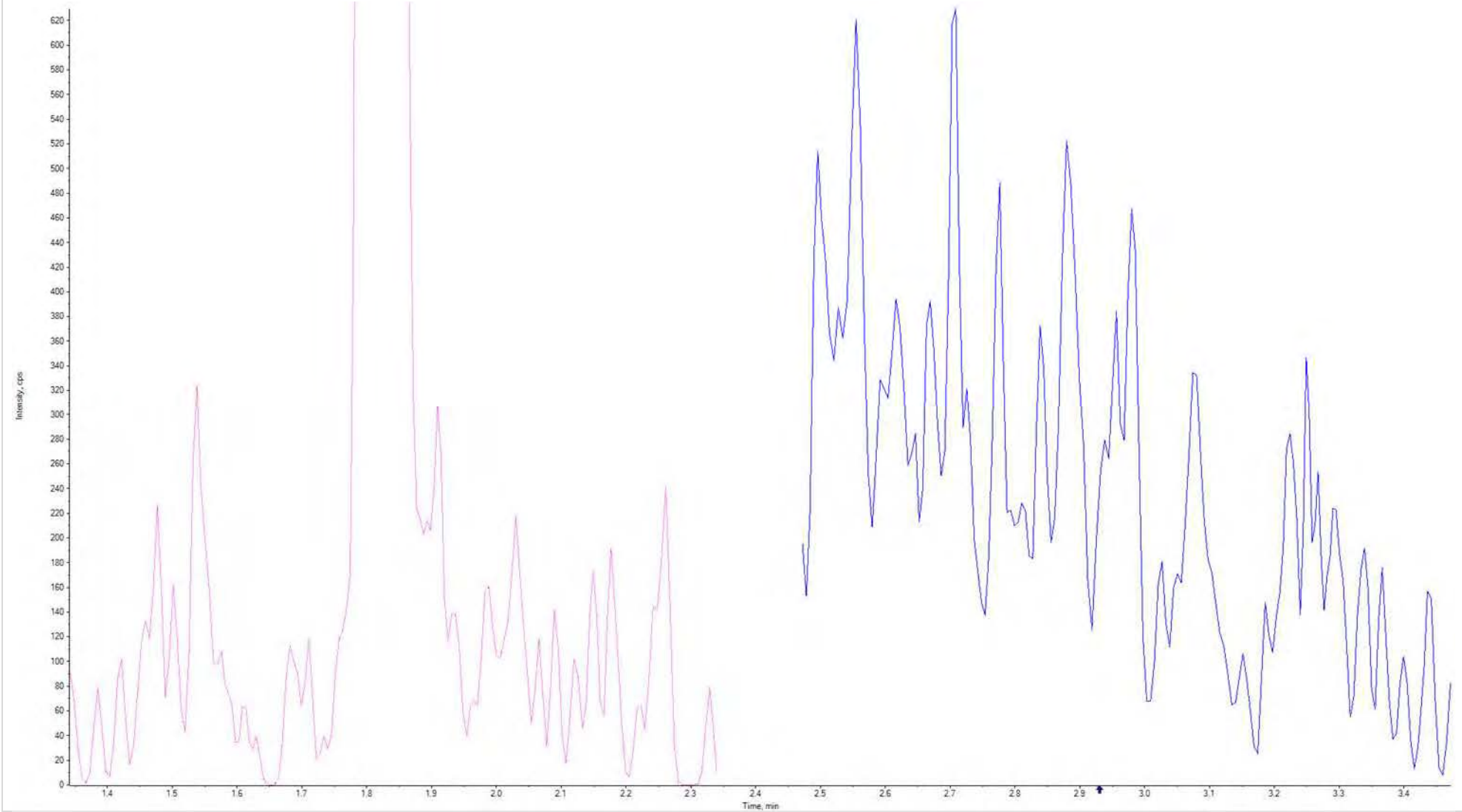
5:3FTCA
Sample: L2467934-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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5:3FTCA_2
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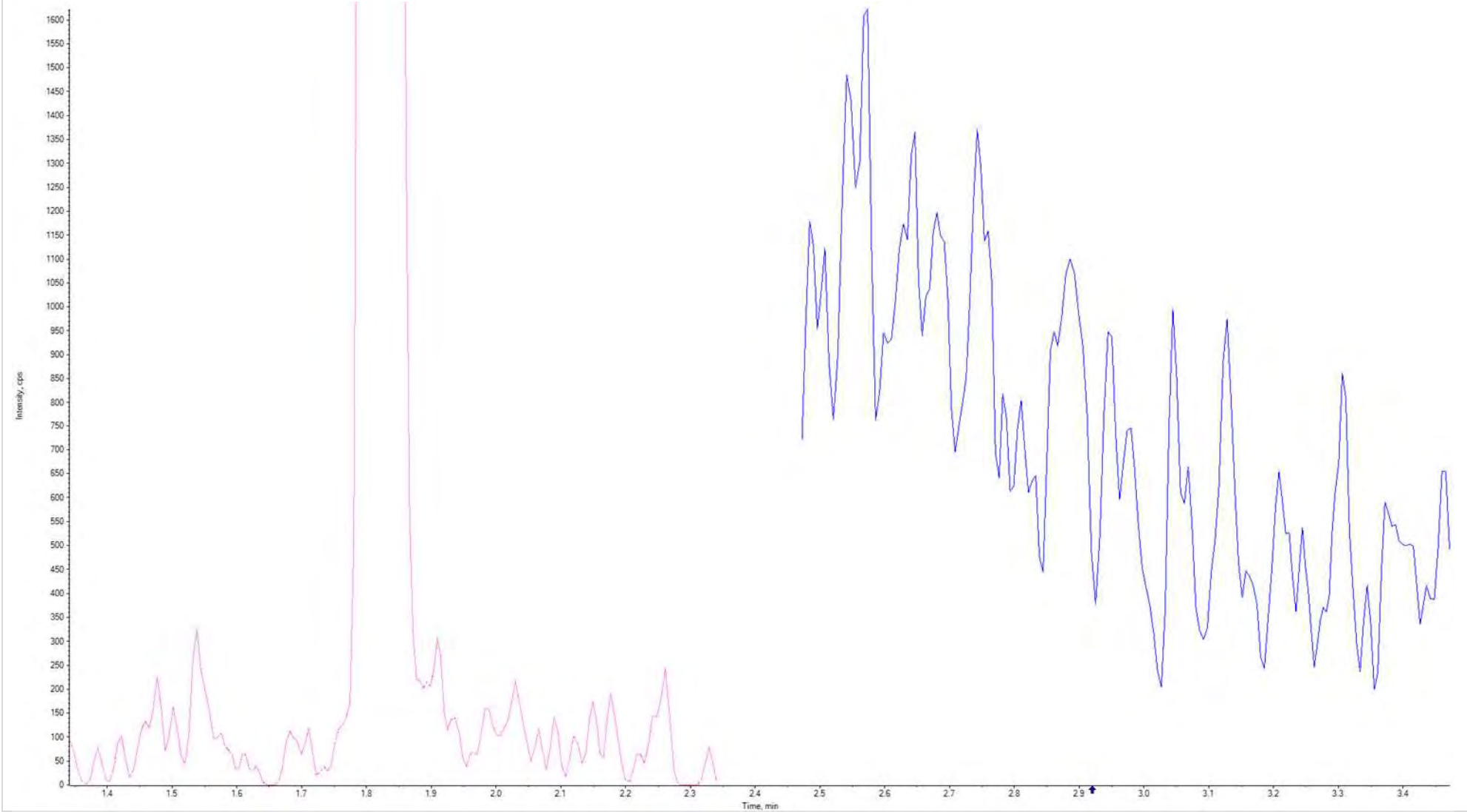

7:3FTCA
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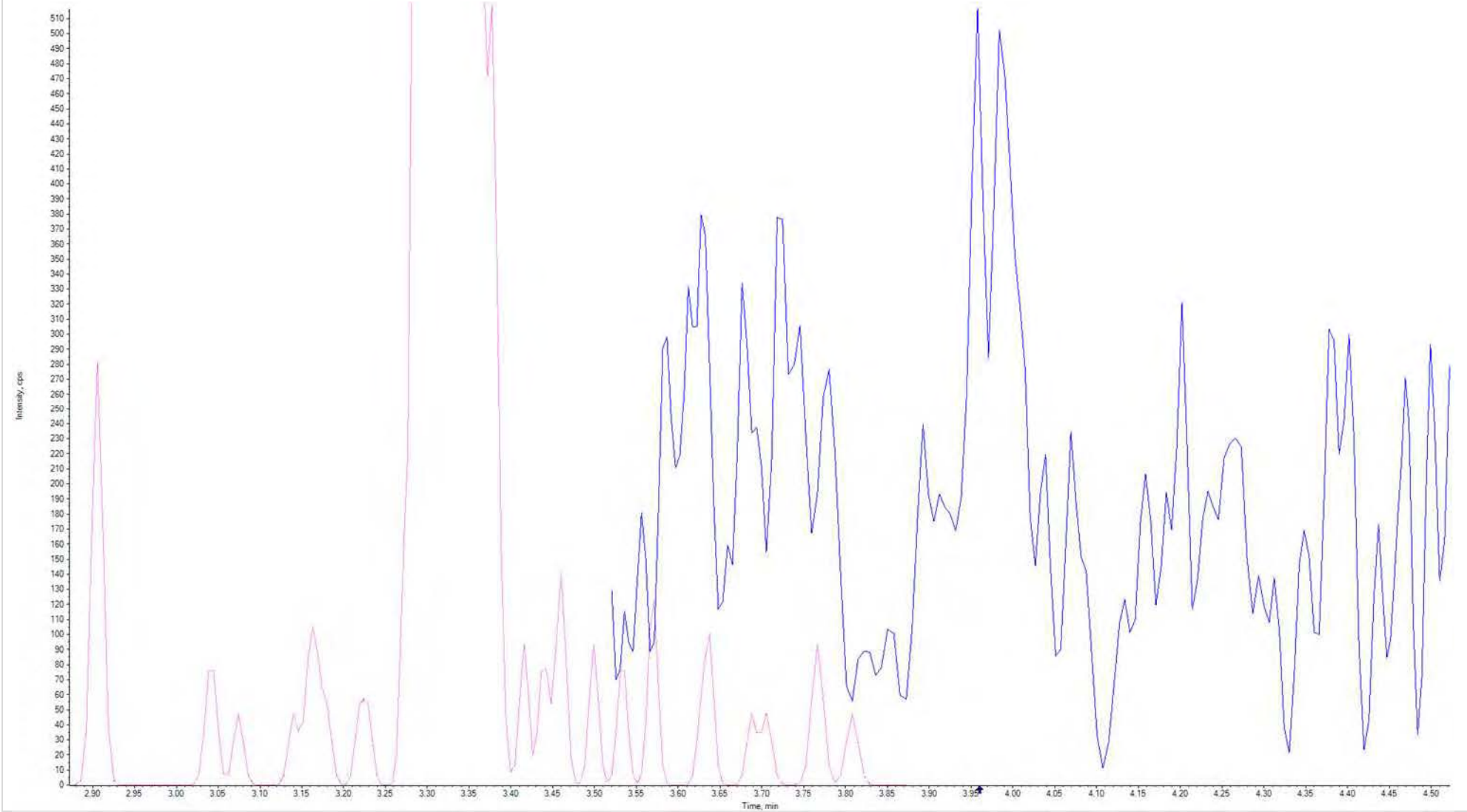

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7:3FTCA_2
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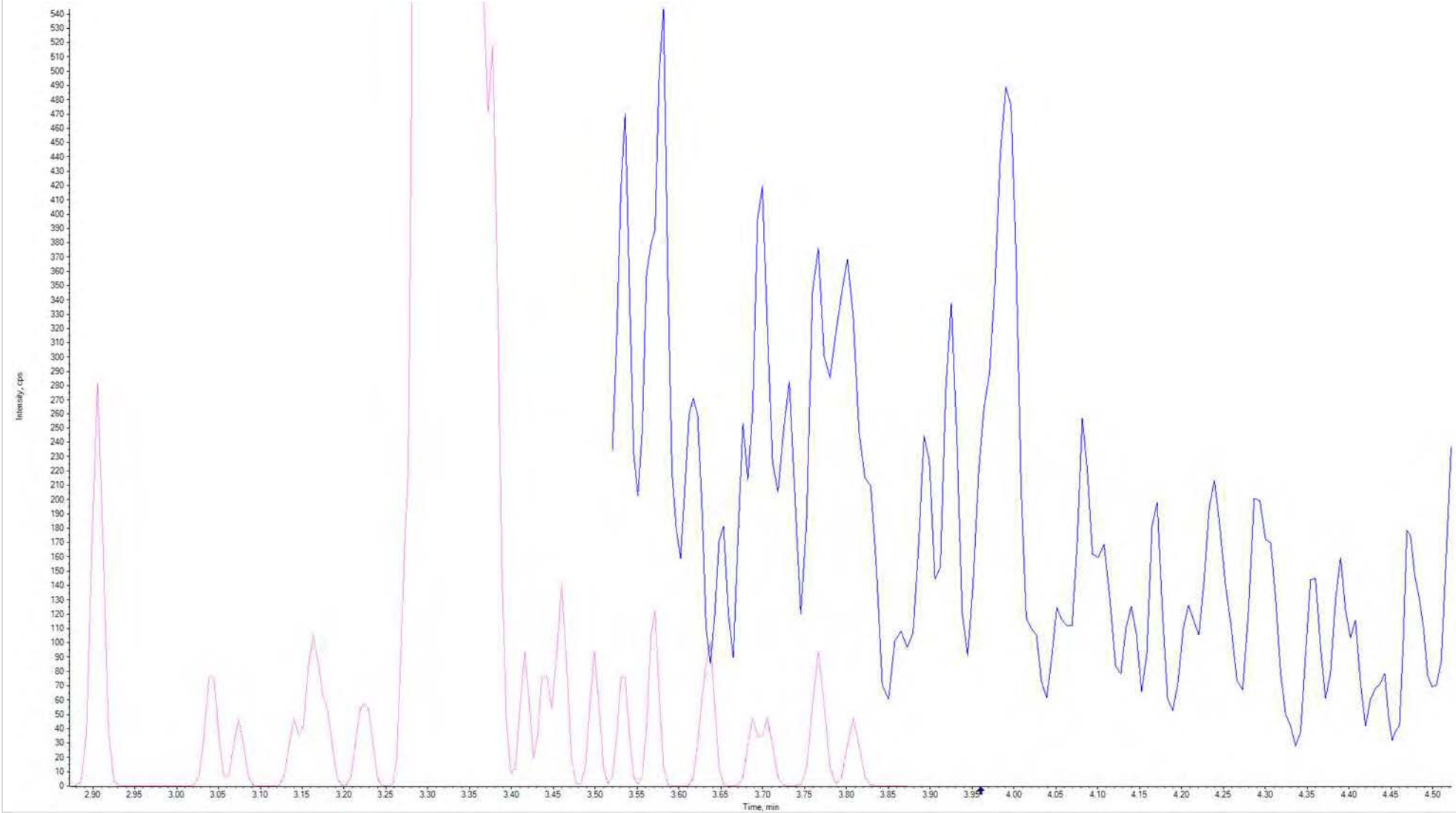

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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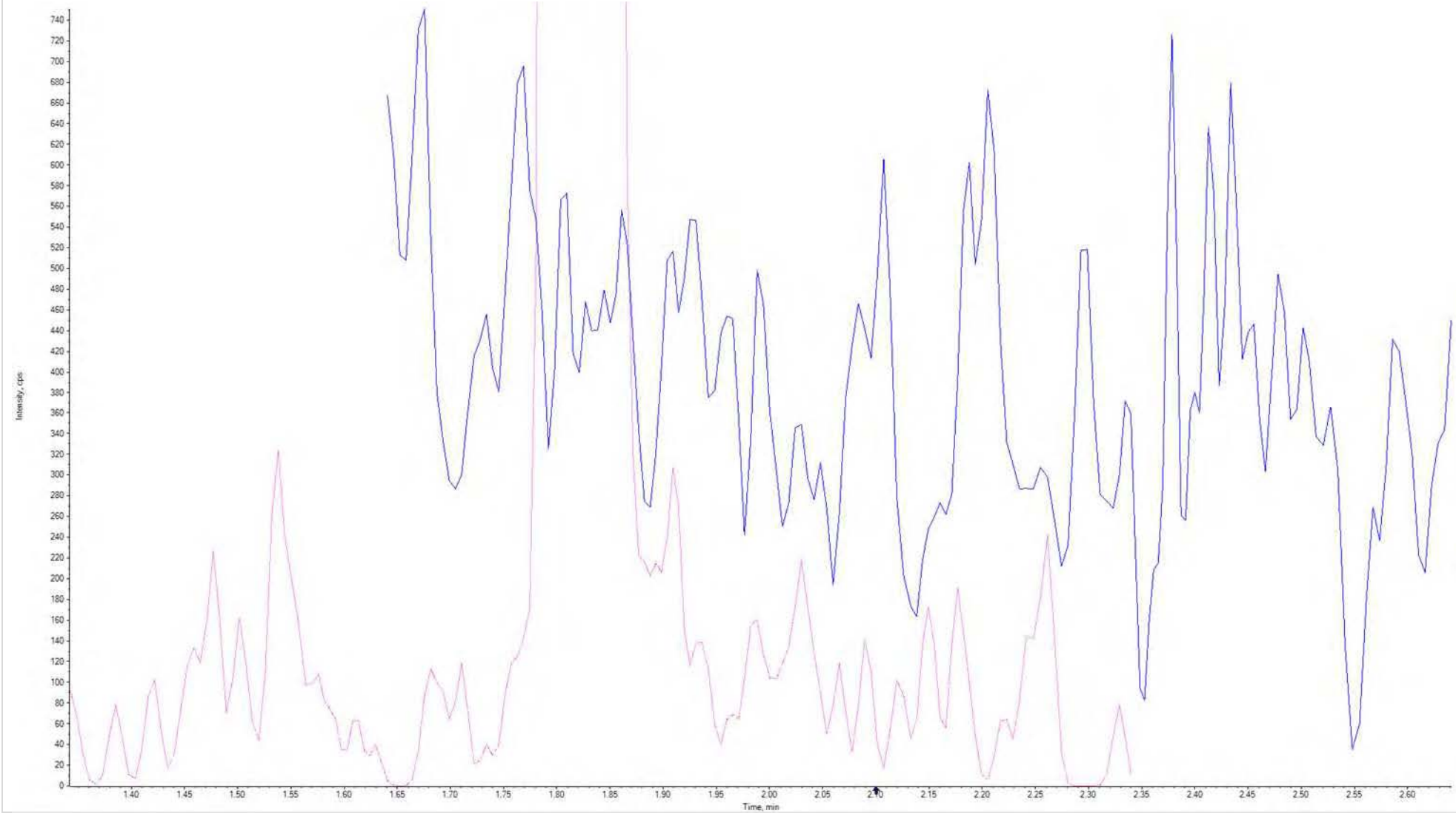
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFEESA
Sample: L2467934-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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PFEESA_2
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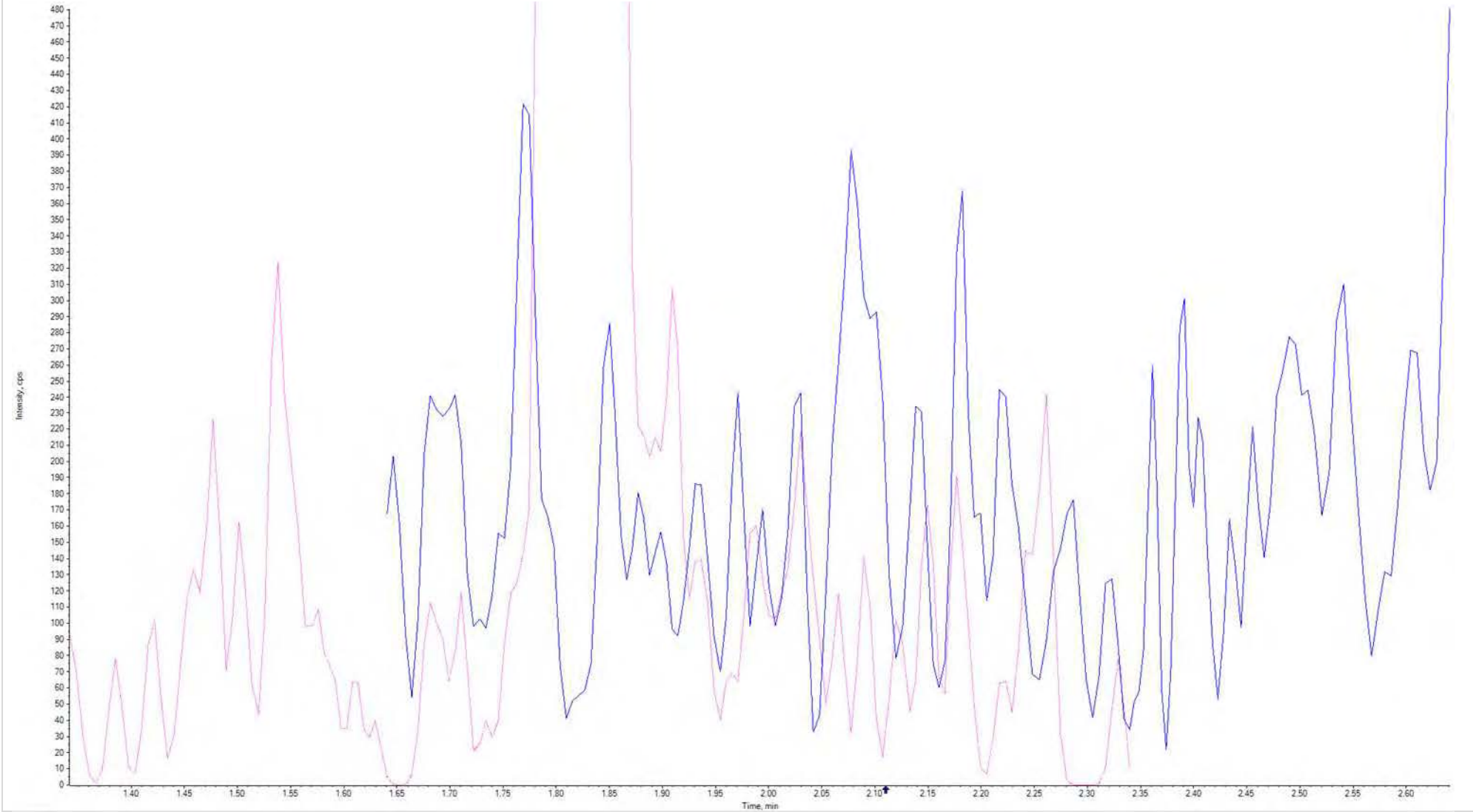

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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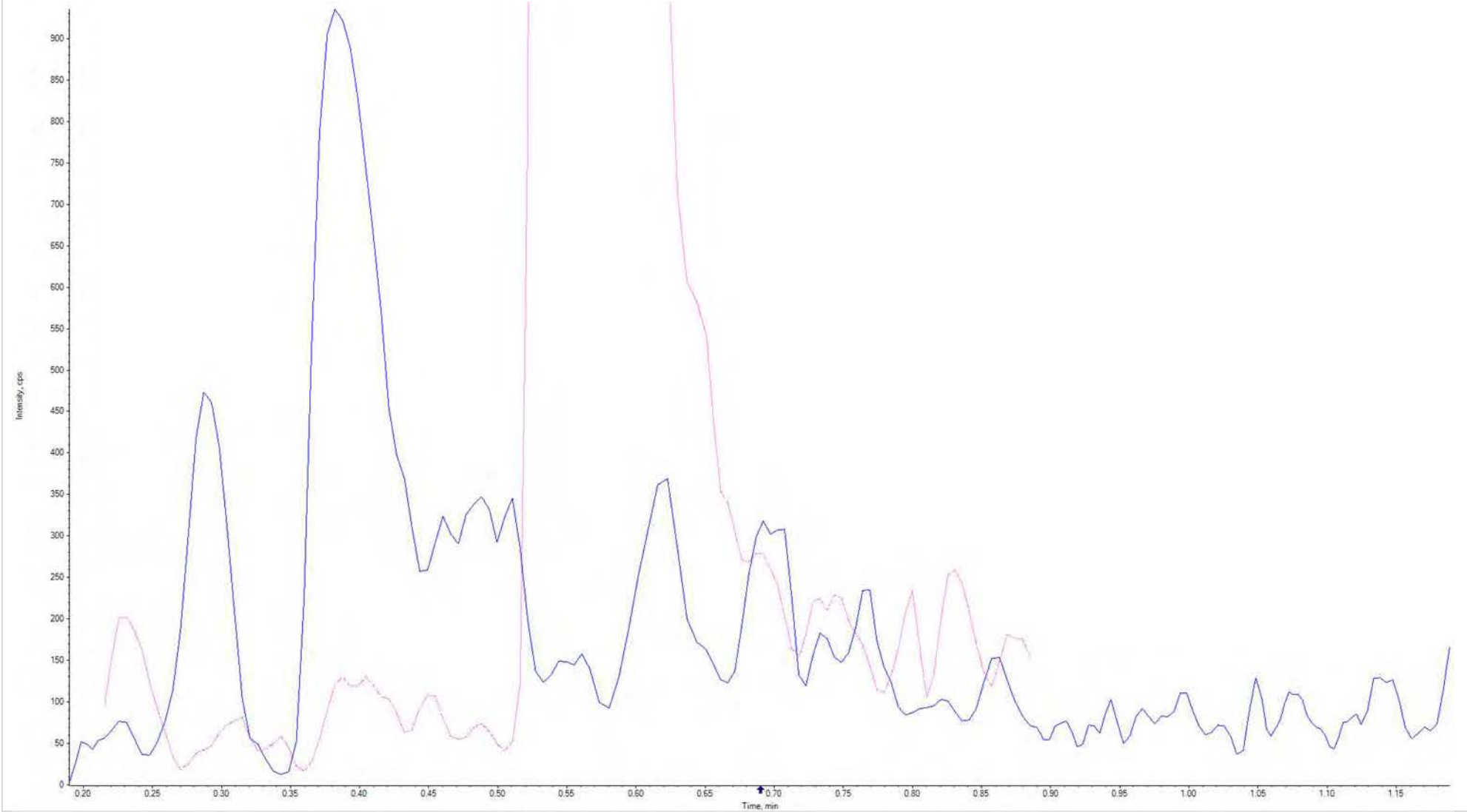
Generated: 12/23/2024 2:36:12 PM

PFMPA
Sample: L2467934-07 S/N:N/A Points Across peak:N/A



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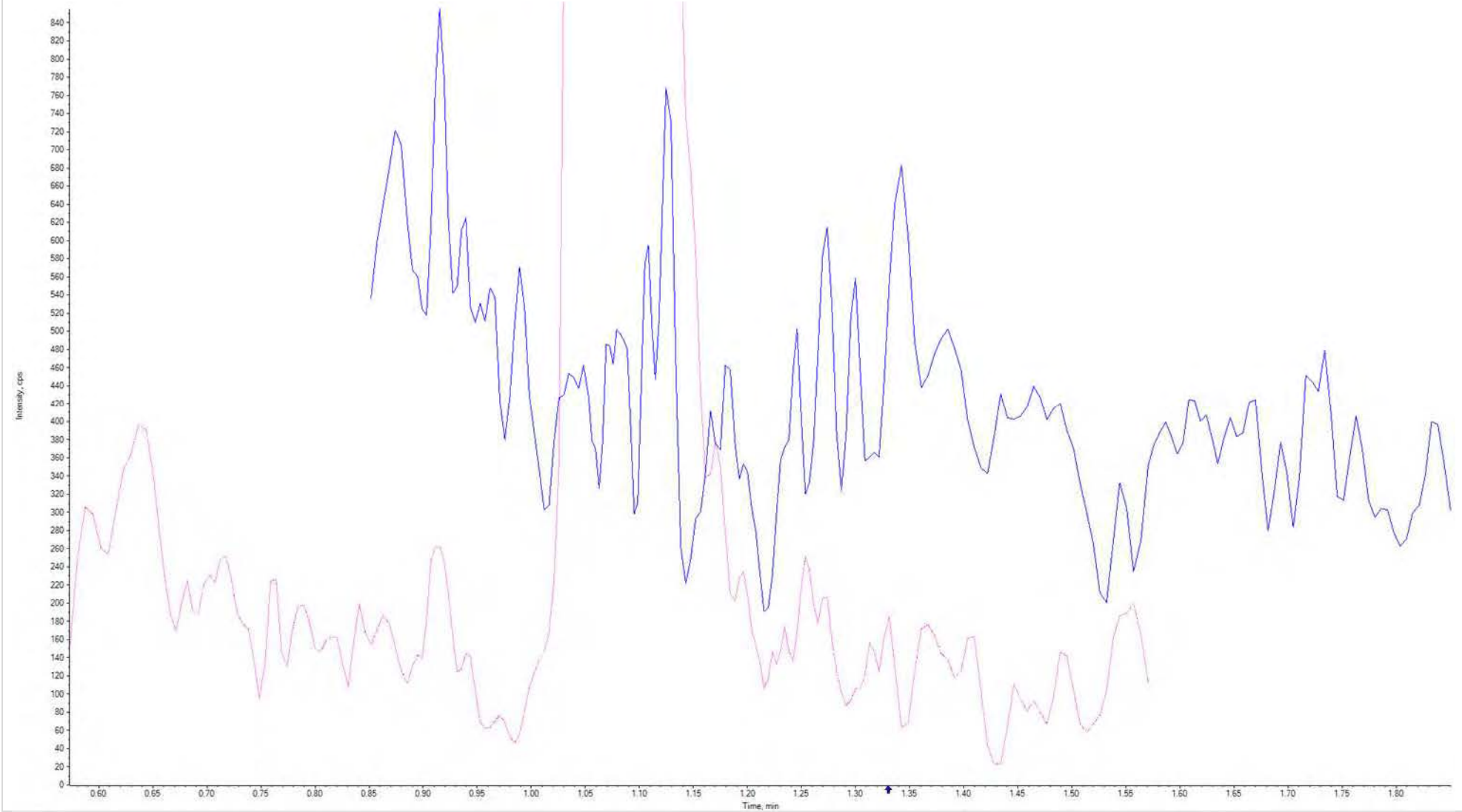
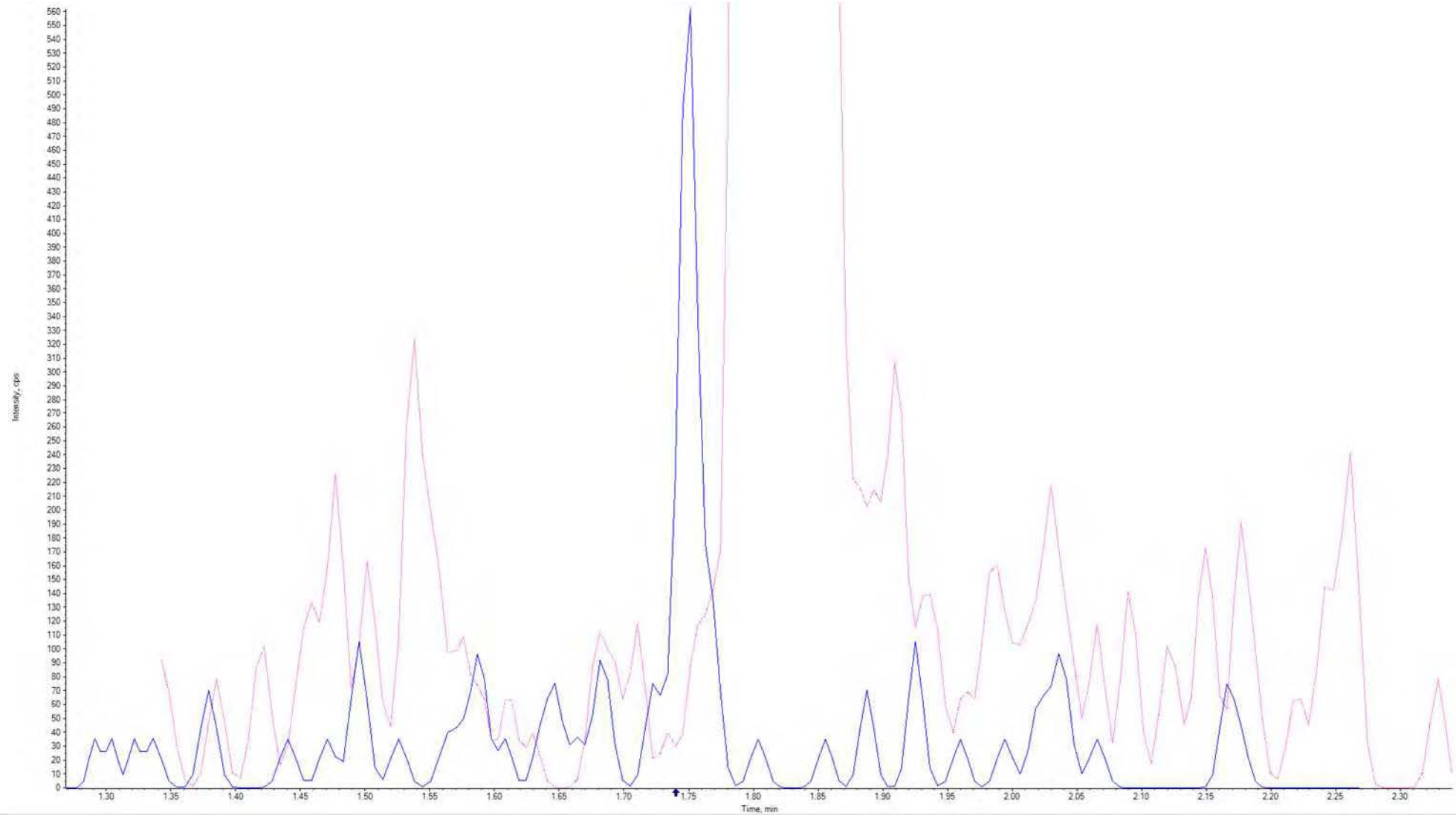
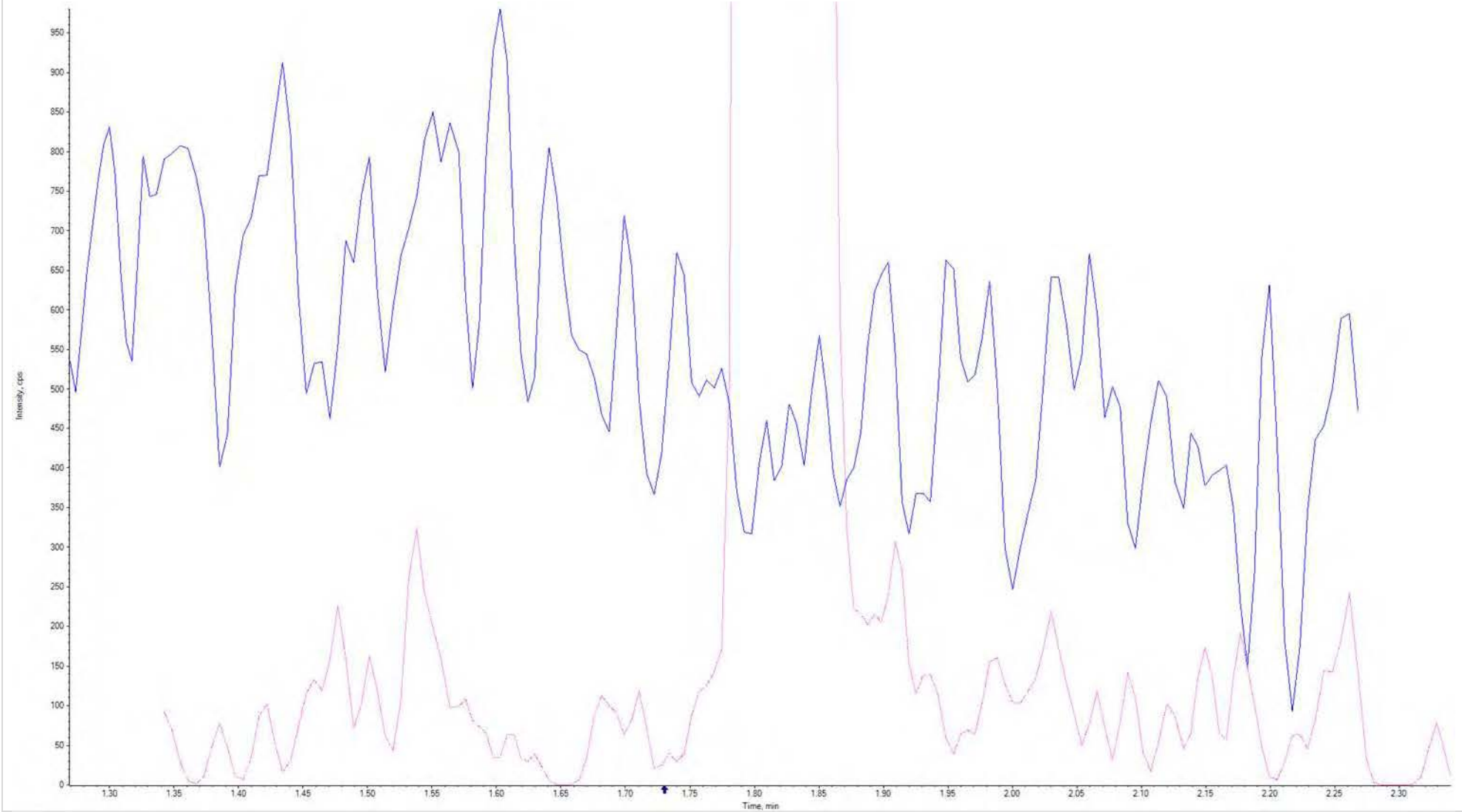


NFDHA
Sample: L2467934-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_26.wiff2_11
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

NFDHA_2
Sample: L2467934-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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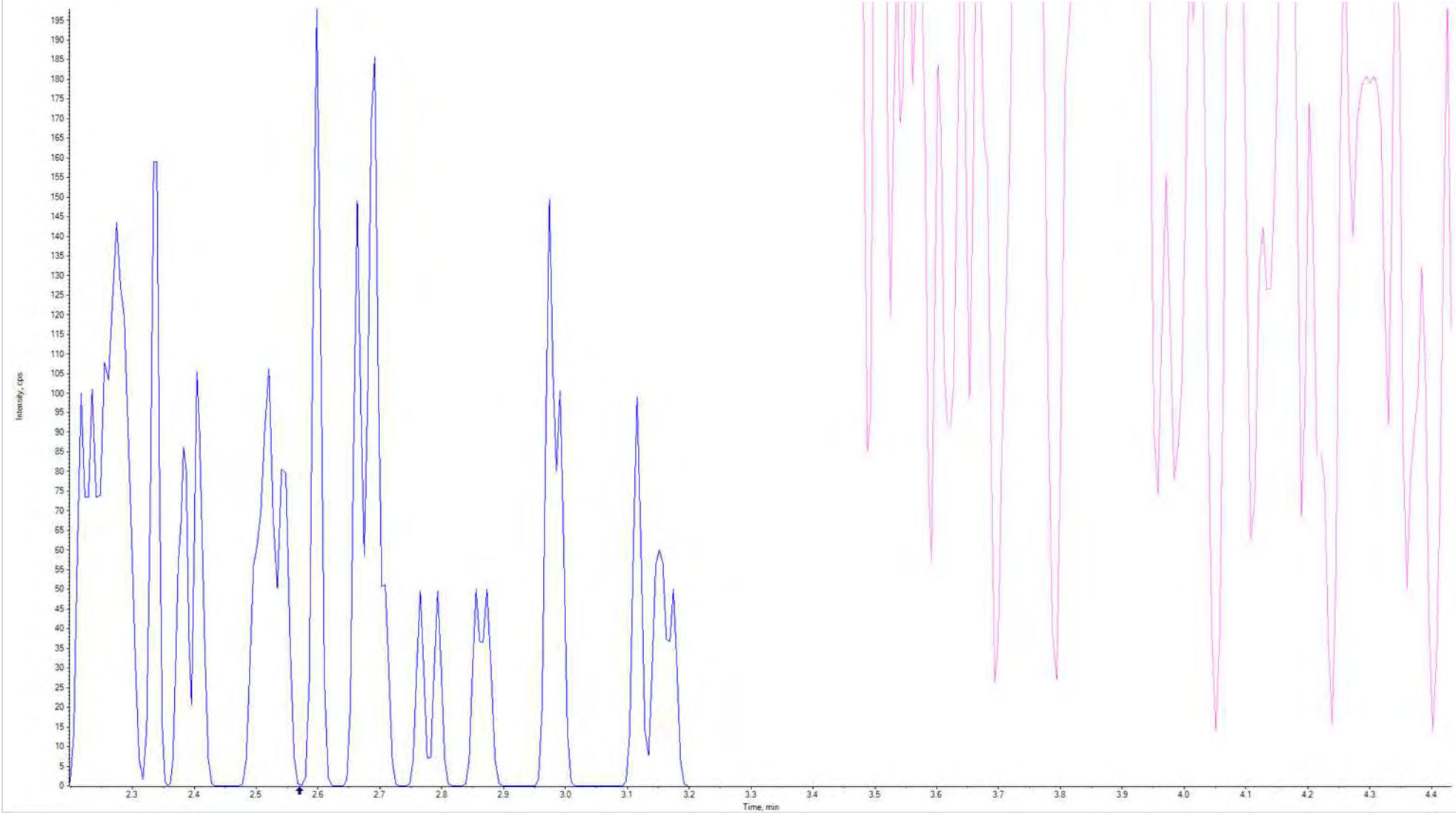
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

TDCA
Sample: L2467934-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/24/2024 7:52:08 AM
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TDCA_2
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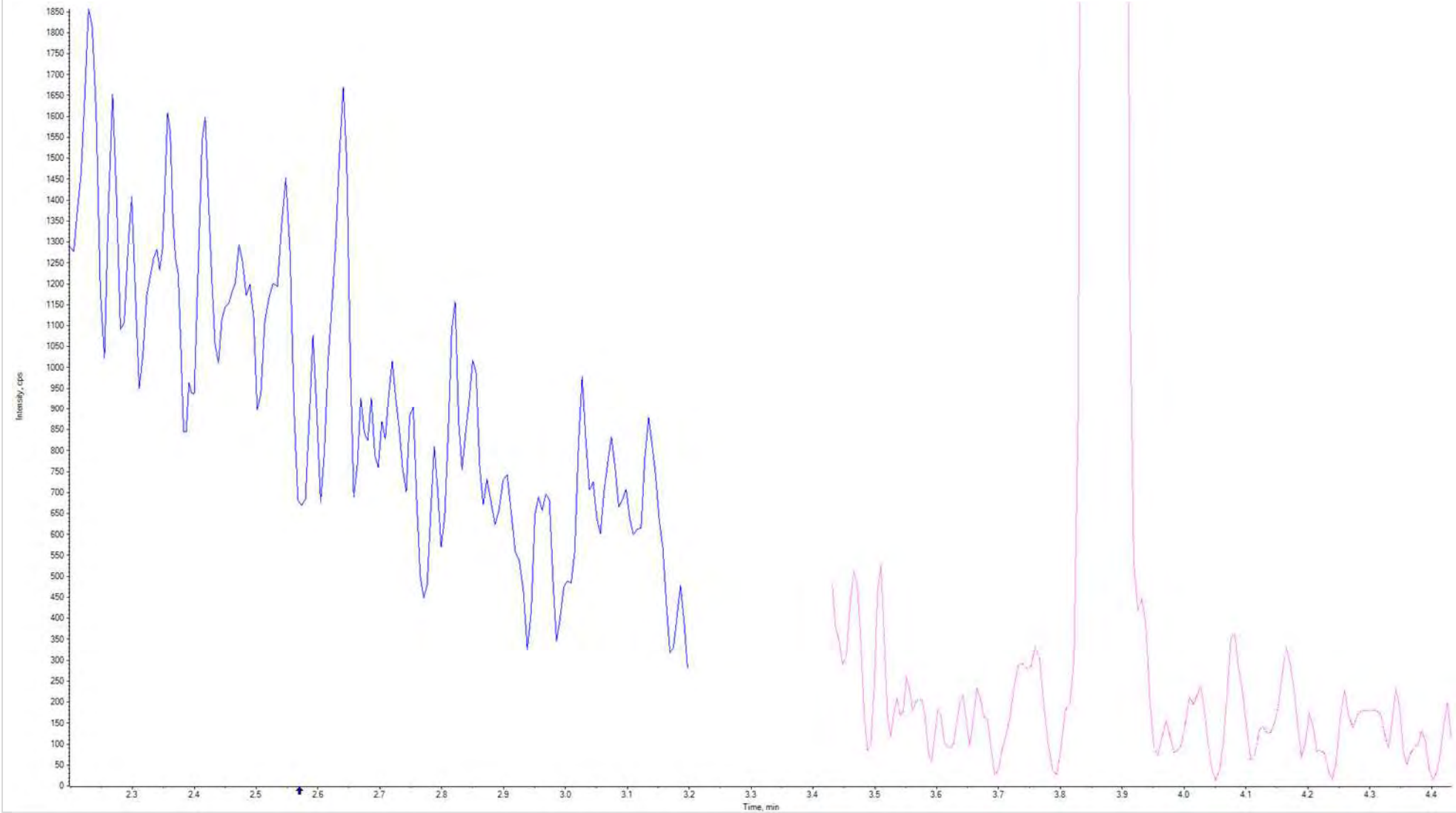
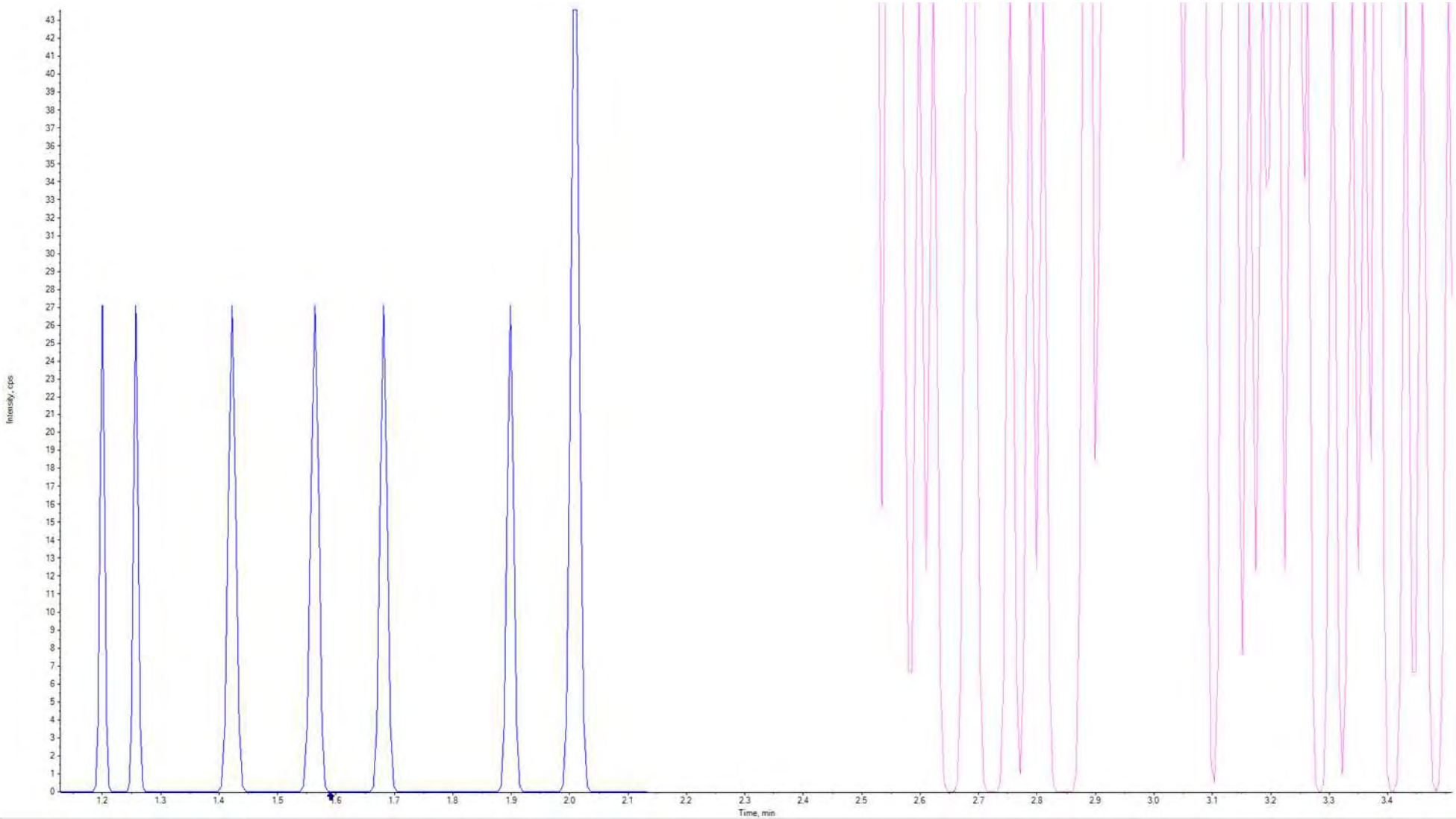


13C2D4-4:2FTS
Sample: L2467934-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

13C2-PFOA
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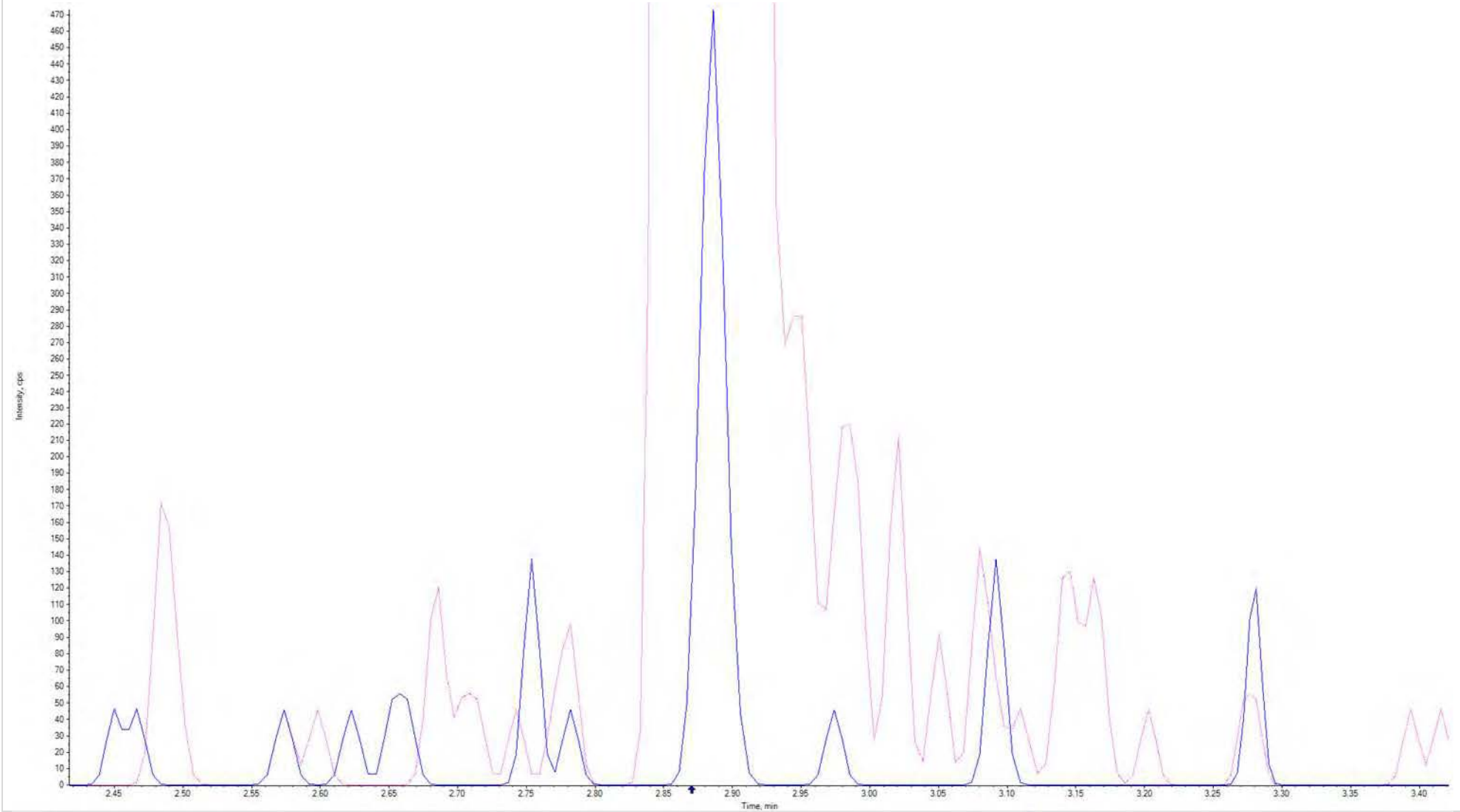

13C4-PFBA
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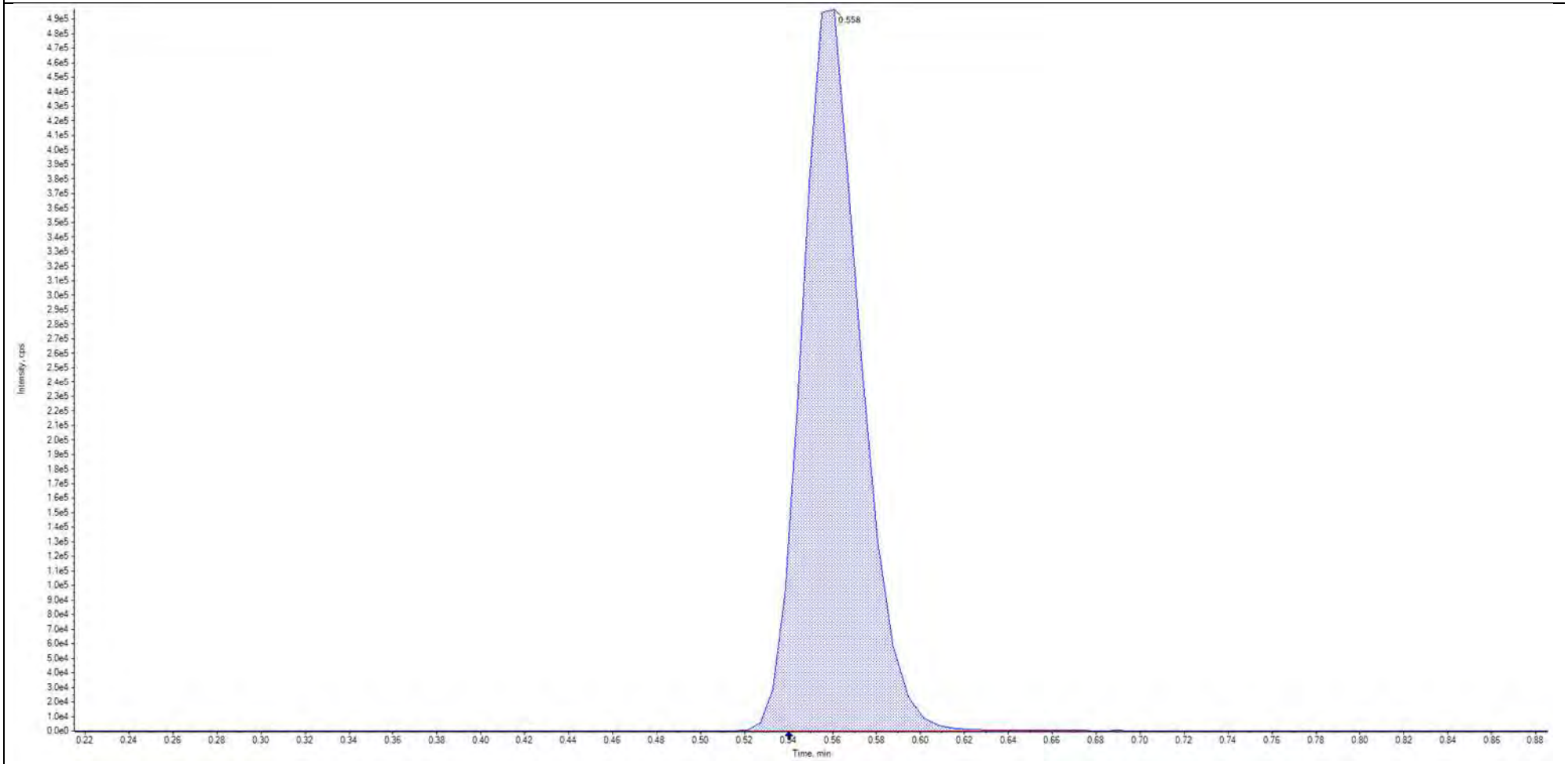

13C5-PFPeA
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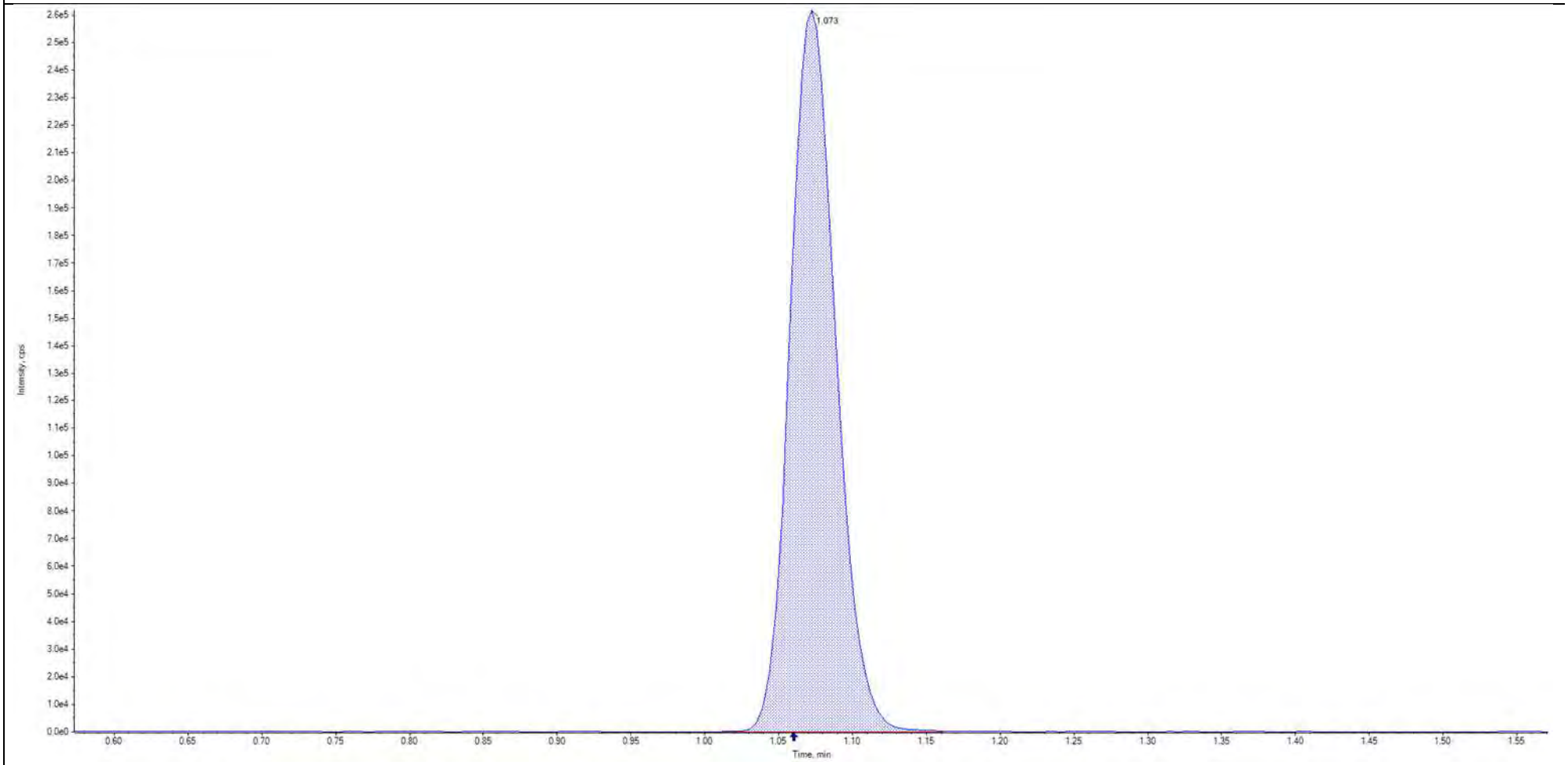
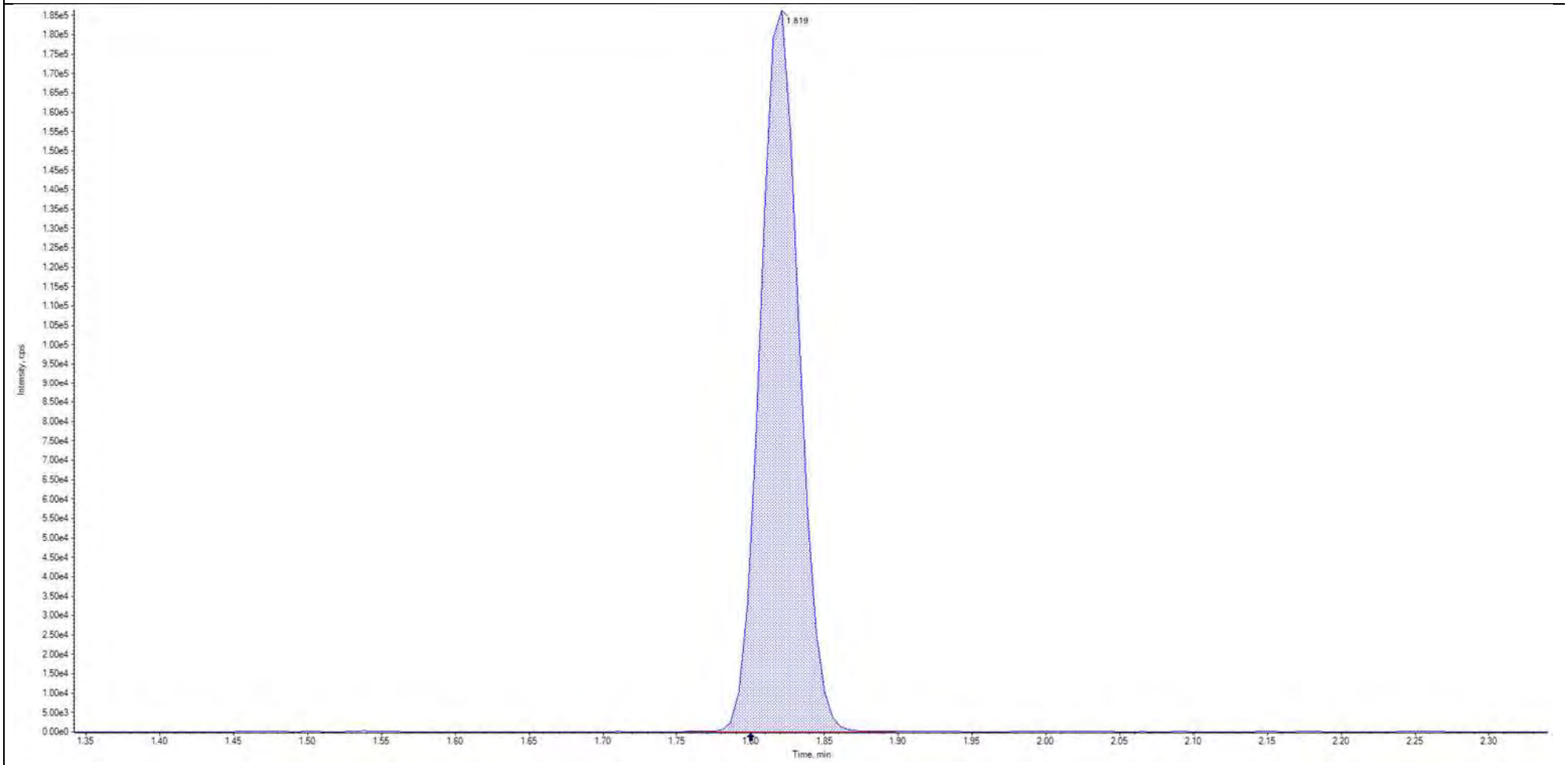


13C5-PFHxA
Sample: L2467934-07



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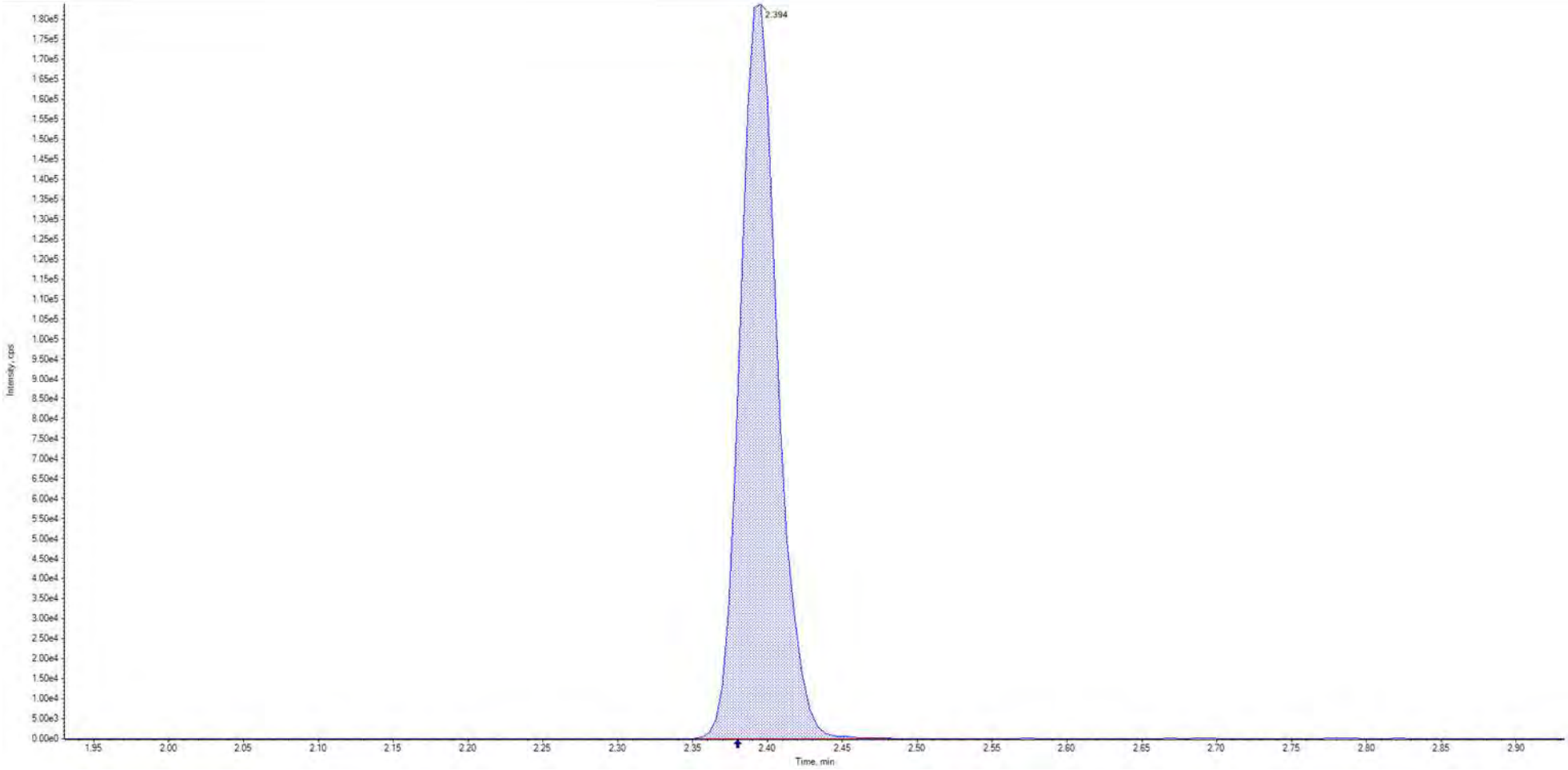
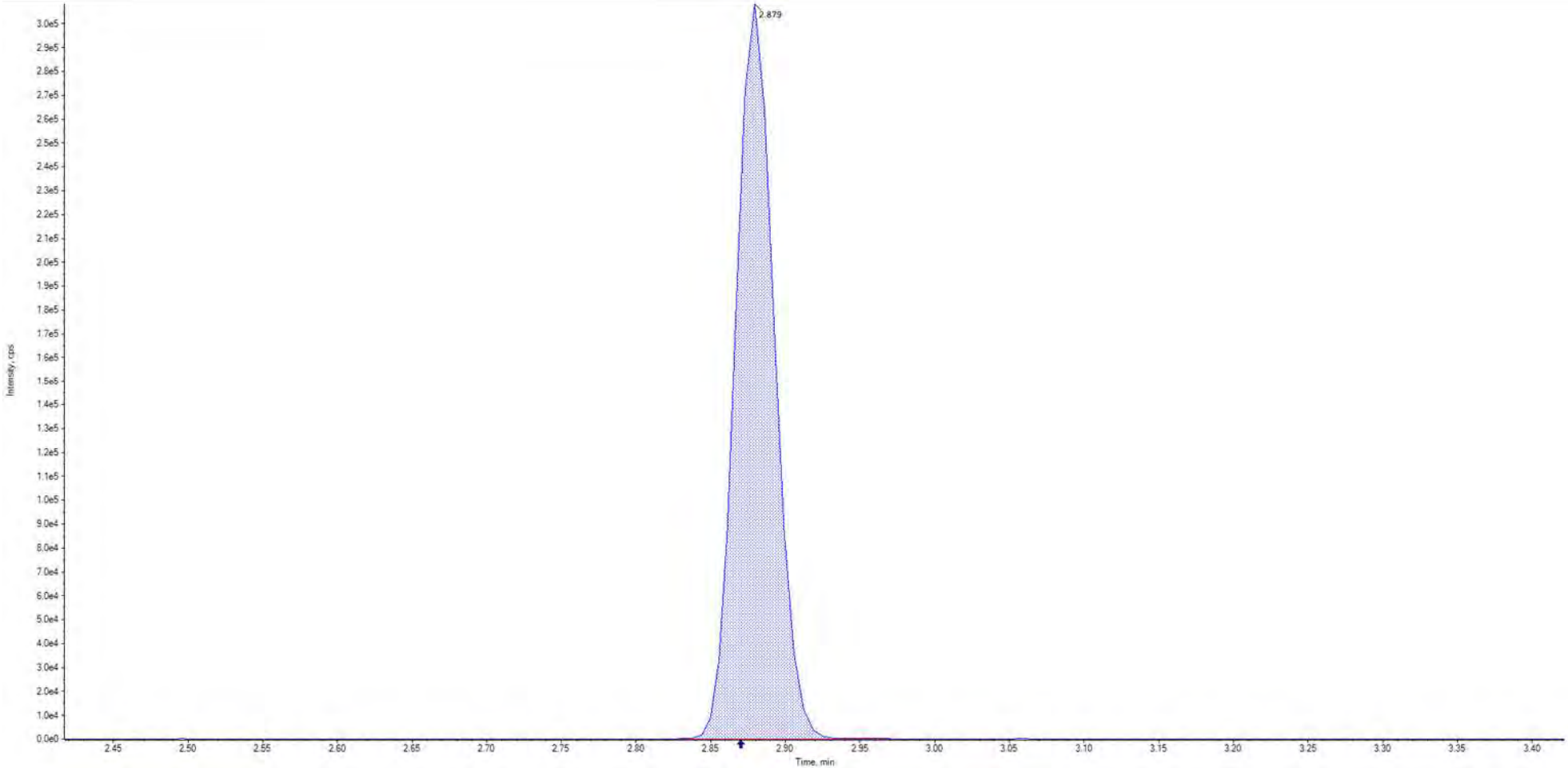


13C8-PFOA
Sample: L2467934-07



13C9-PFNA
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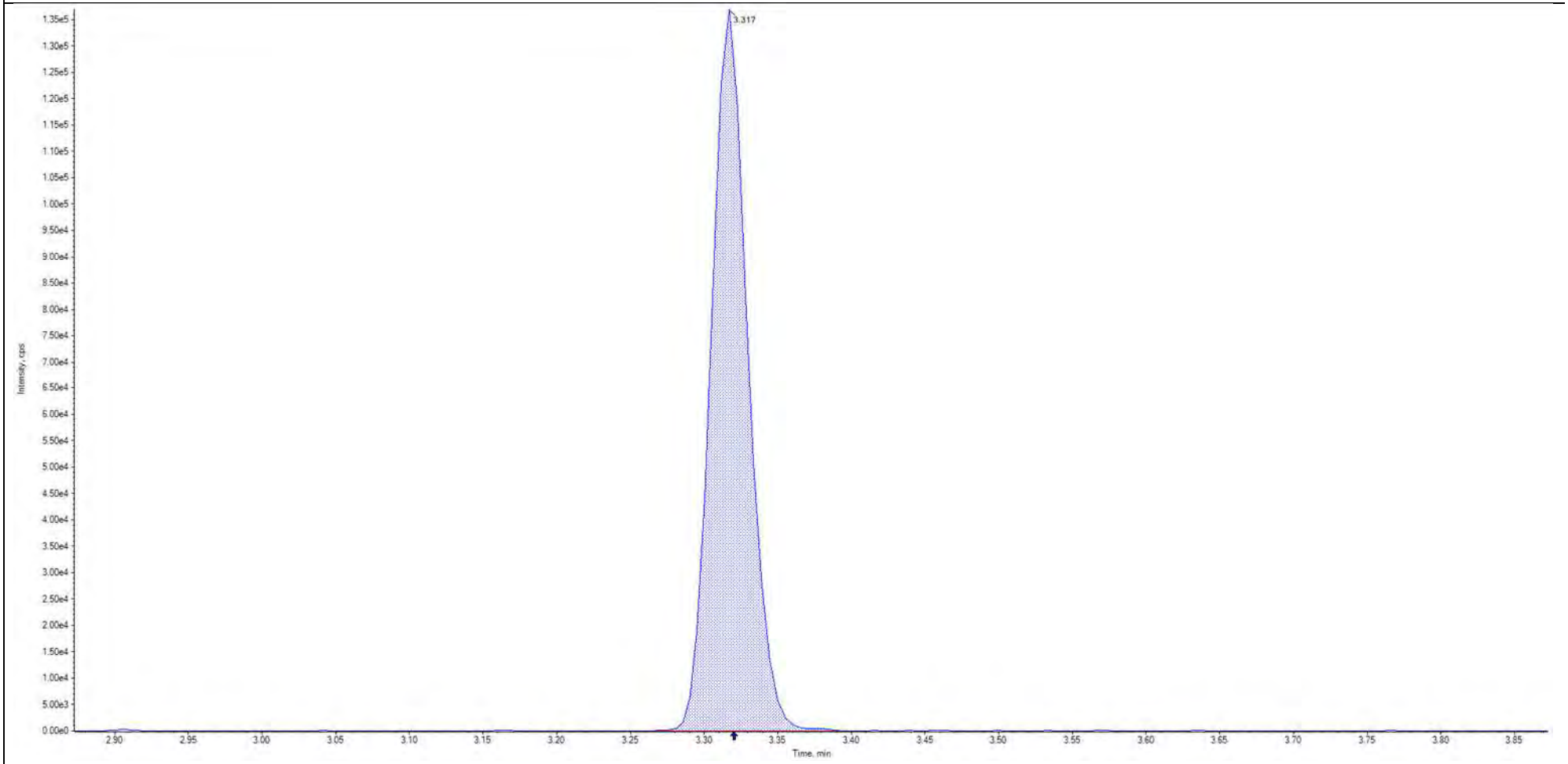

13C6-PFDA
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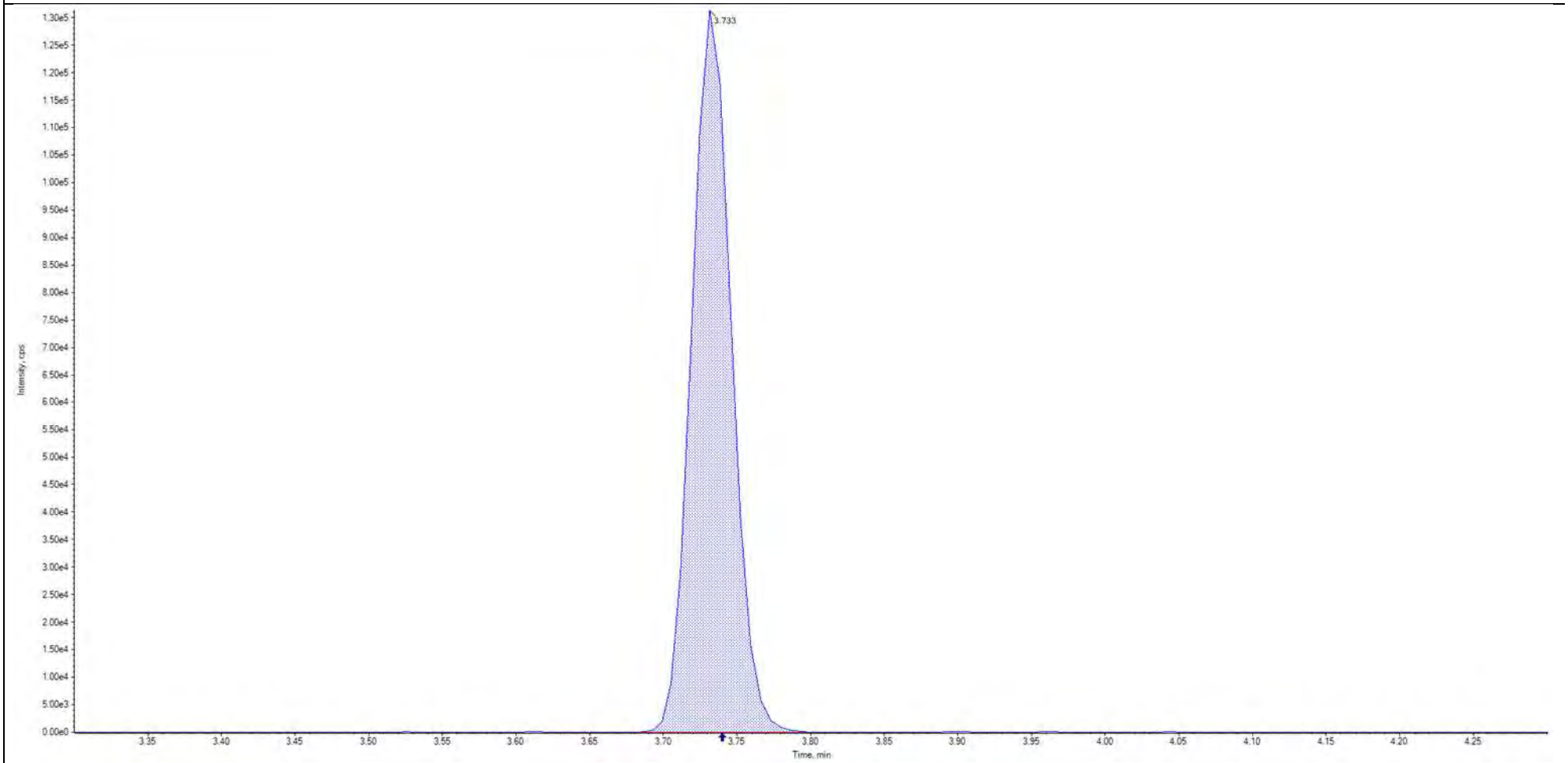

13C7-PFUnA
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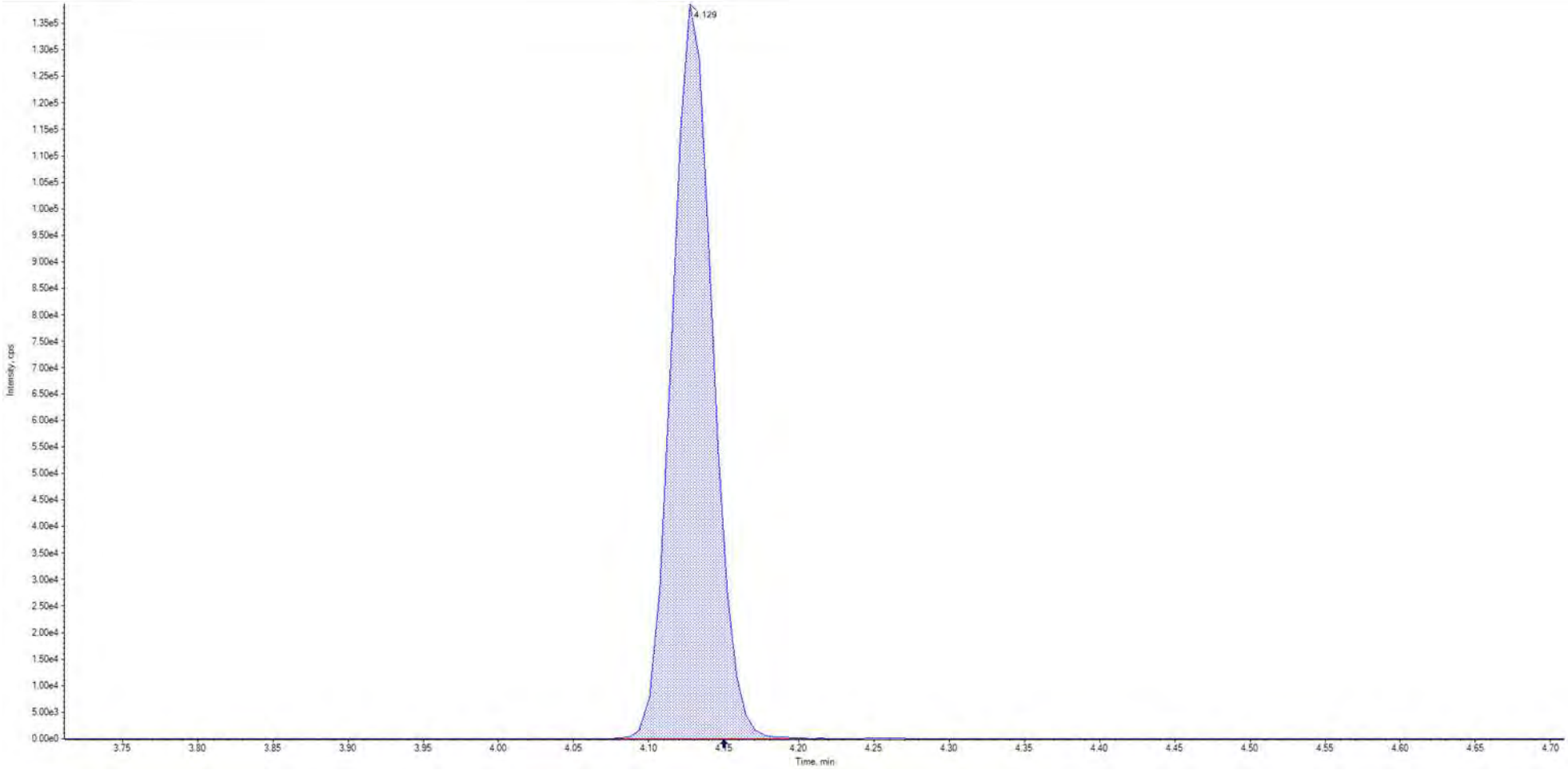

13C2-PFDoA
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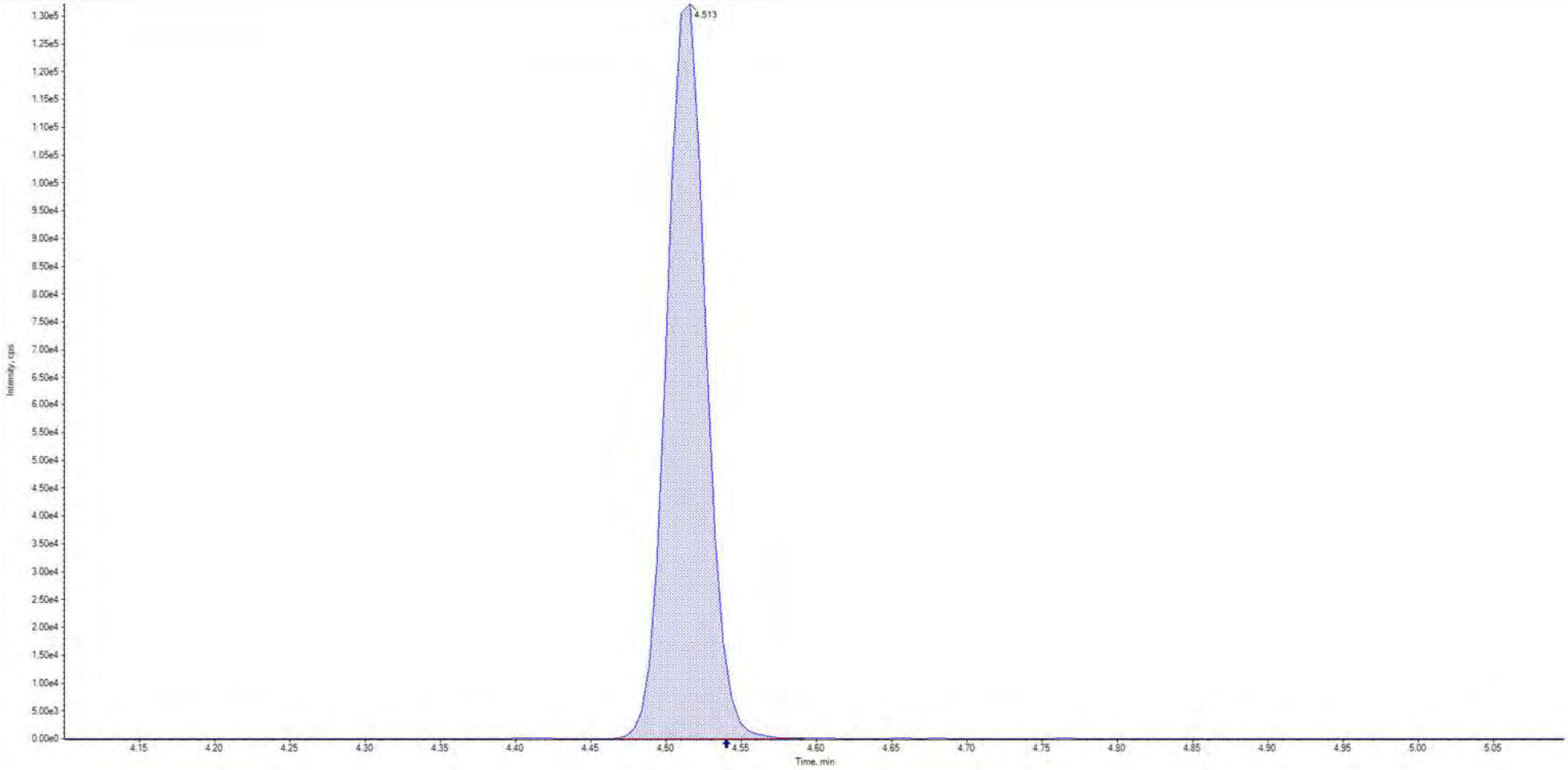
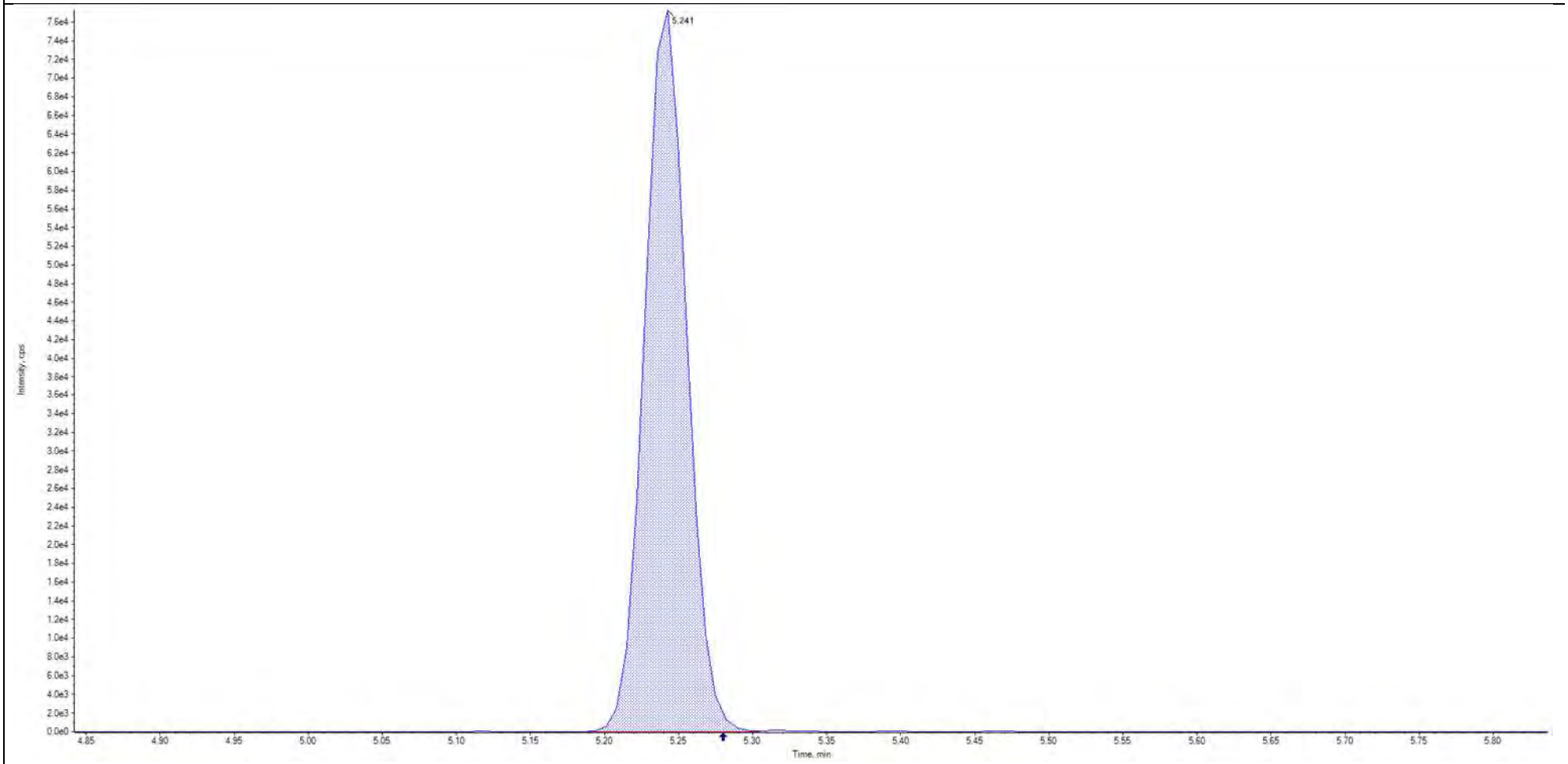


13C2-PFTeDA
Sample: L2467934-07



13C3-PFBS
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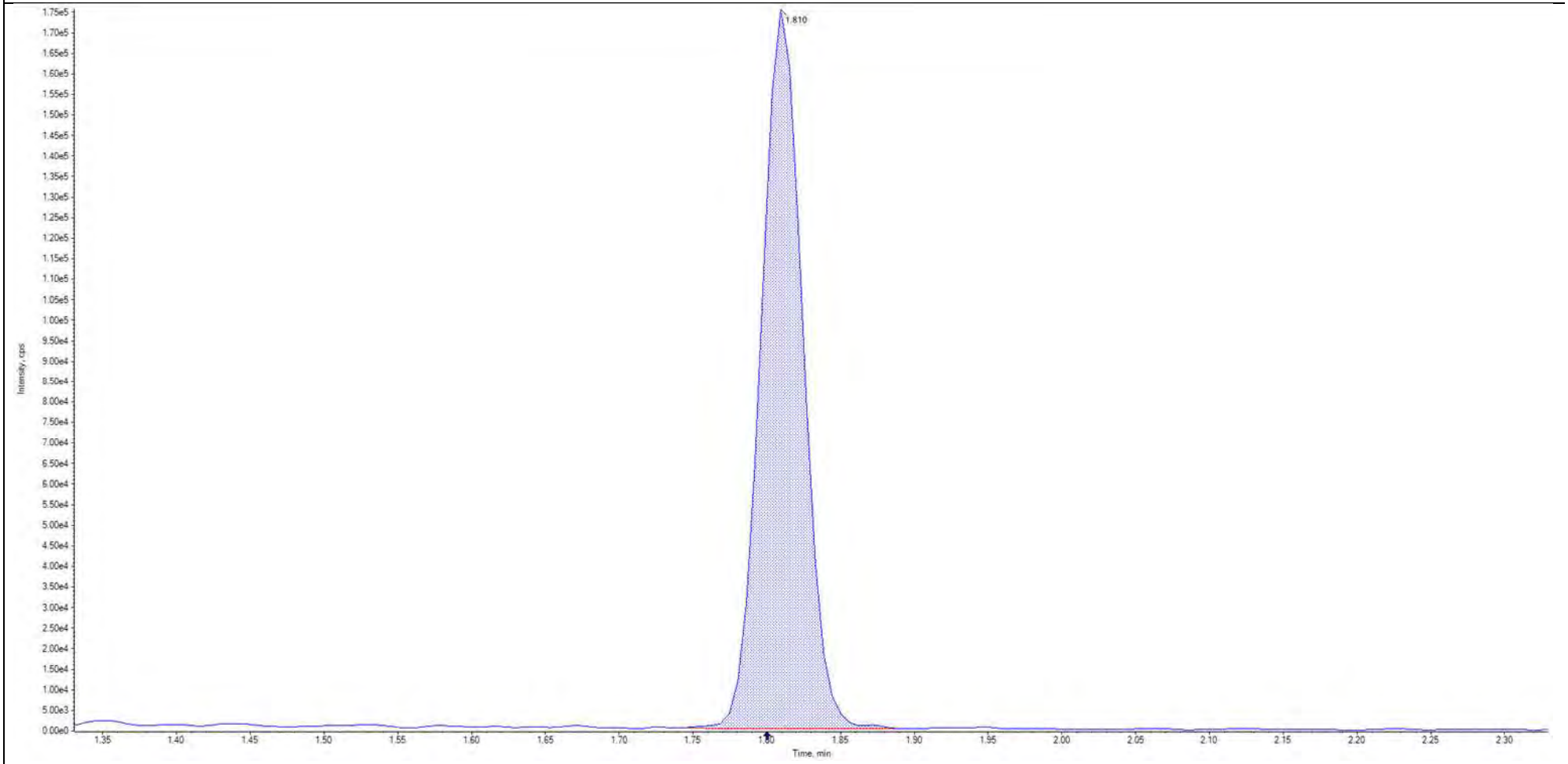

13C3-PFHxS
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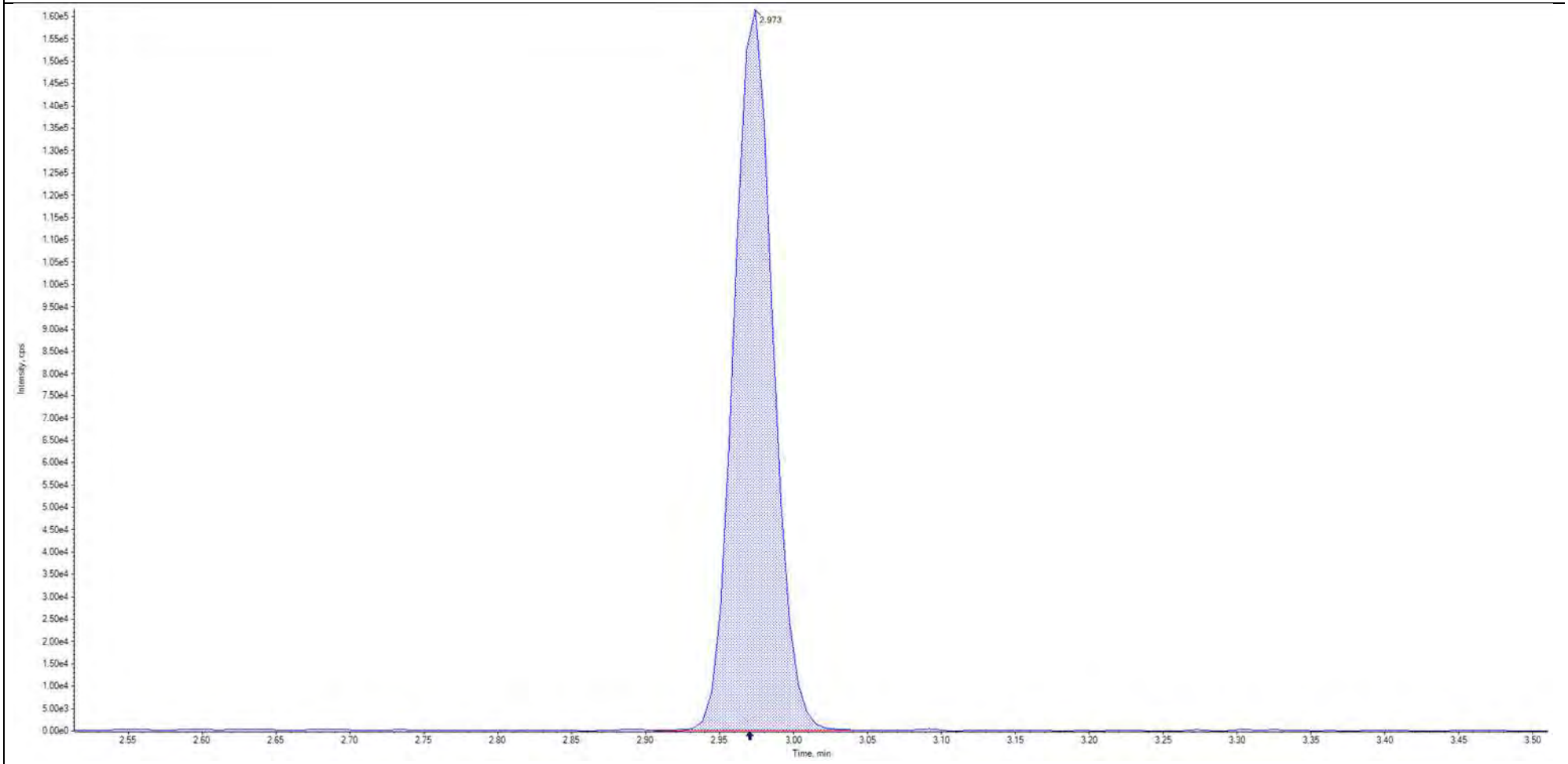
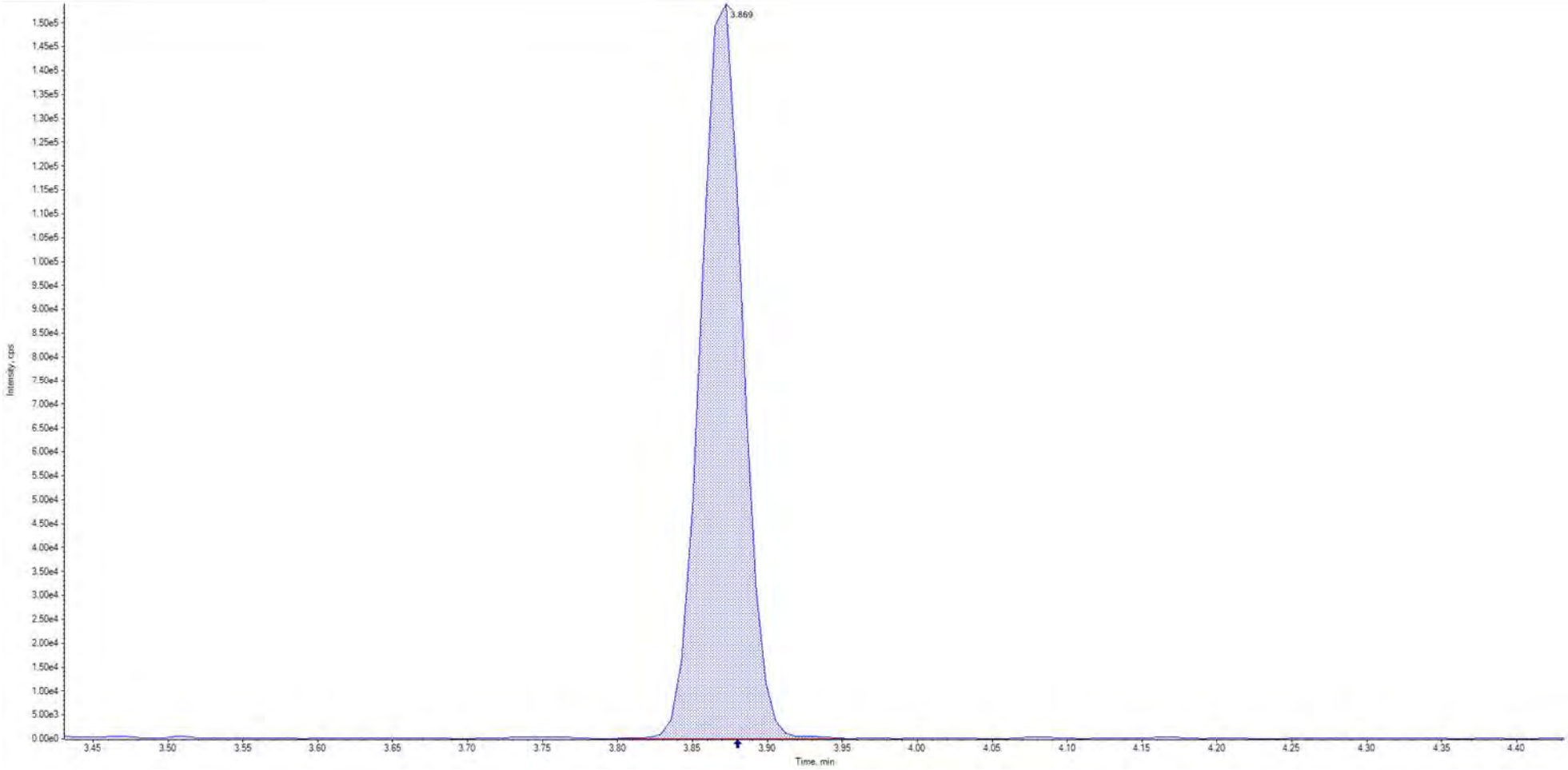
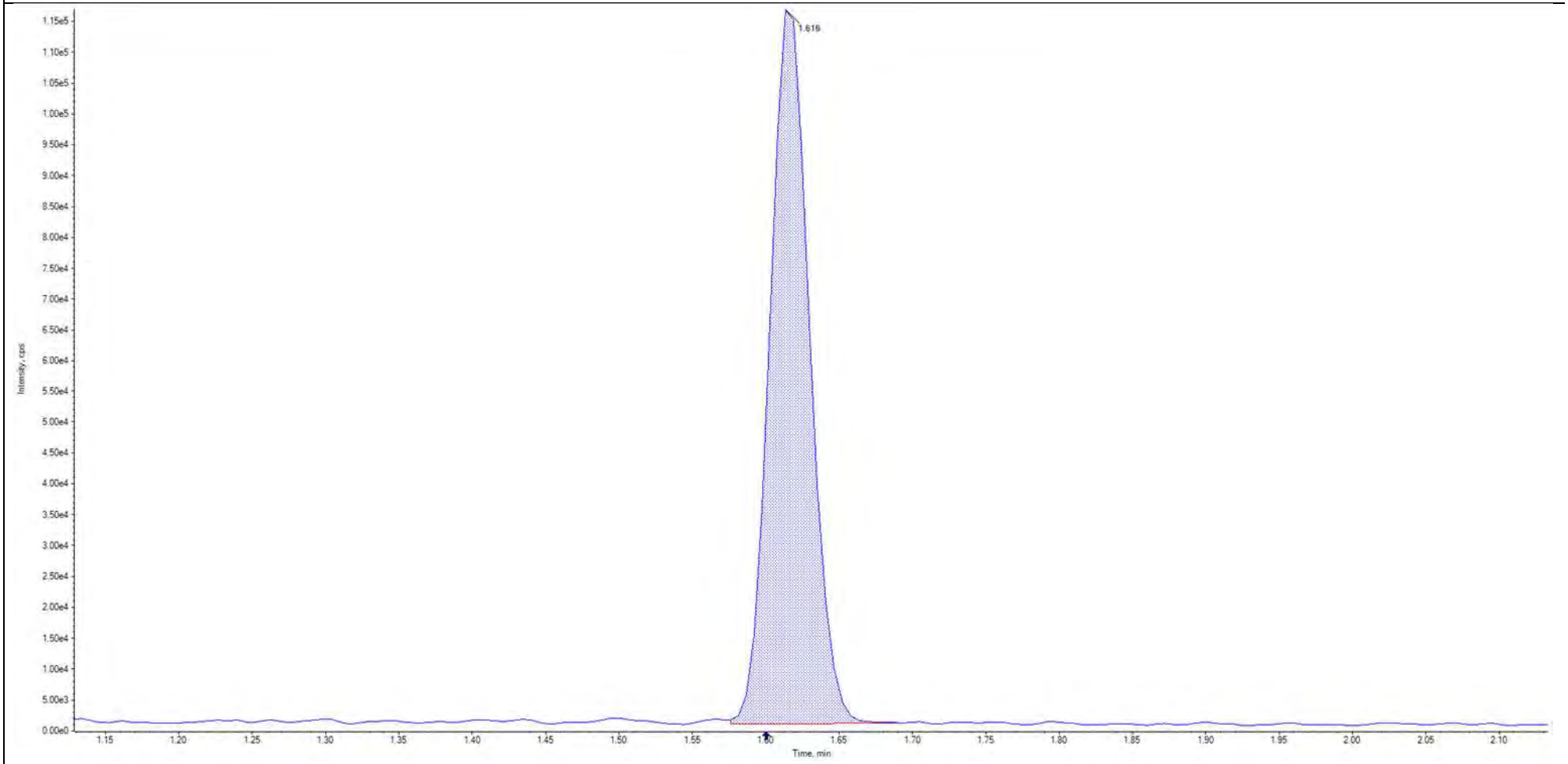


13C8-PFOS
Sample: L2467934-07



13C2-4:2FTS
Sample: L2467934-07



13C2-6:2FTS
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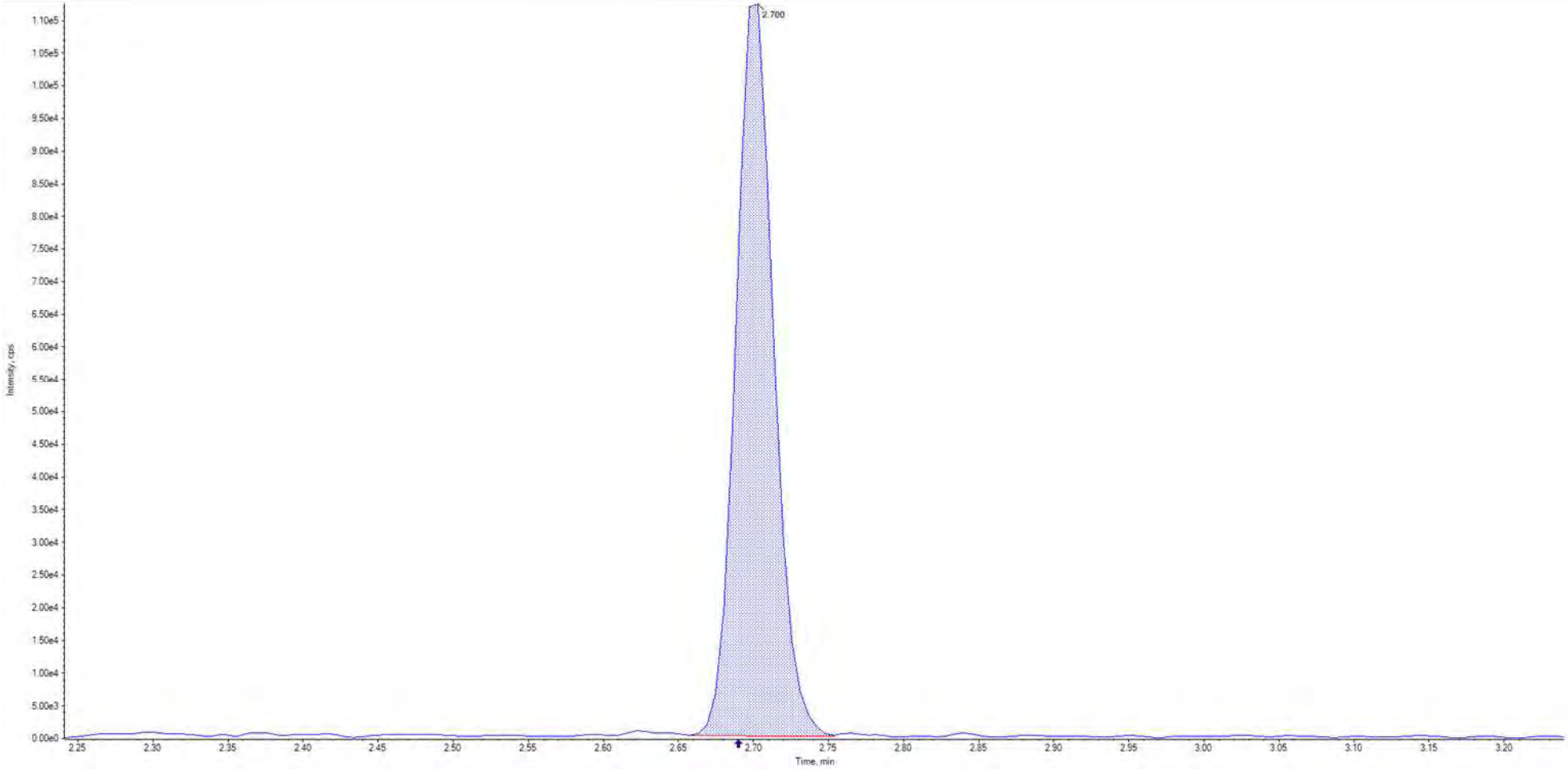

13C2-8:2FTS
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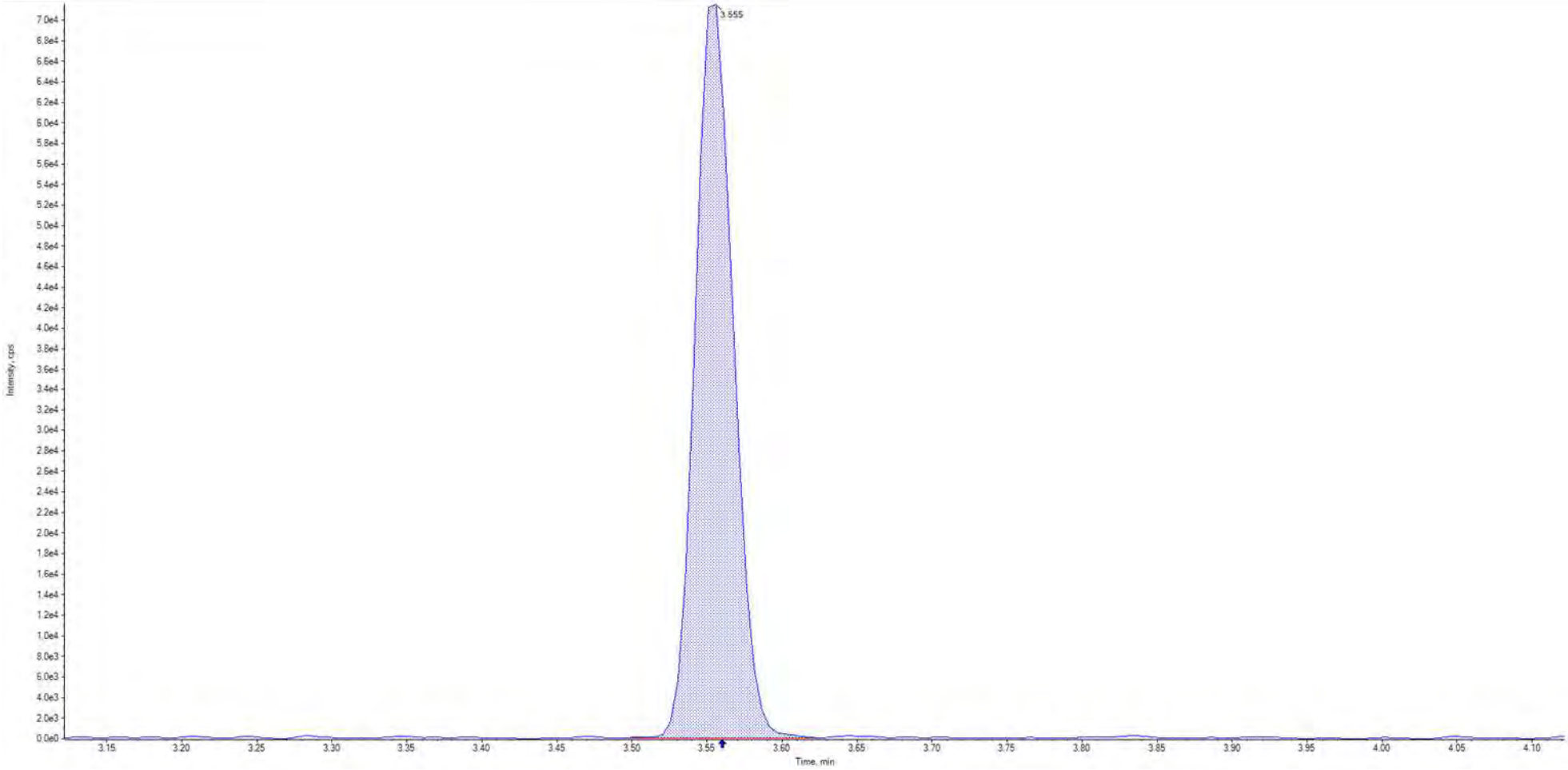

13C8-PFOSA
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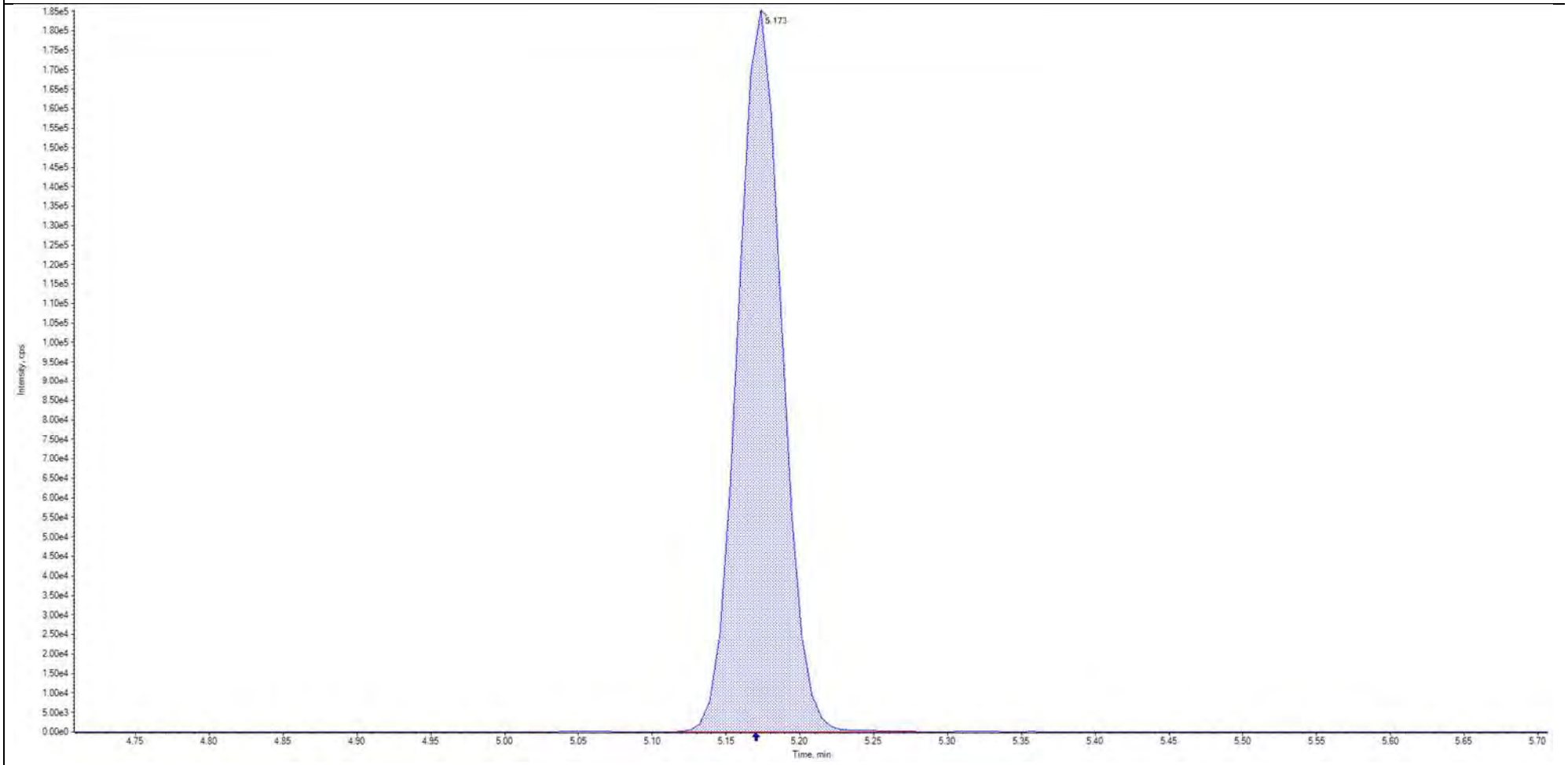

d3-NMeFOSA
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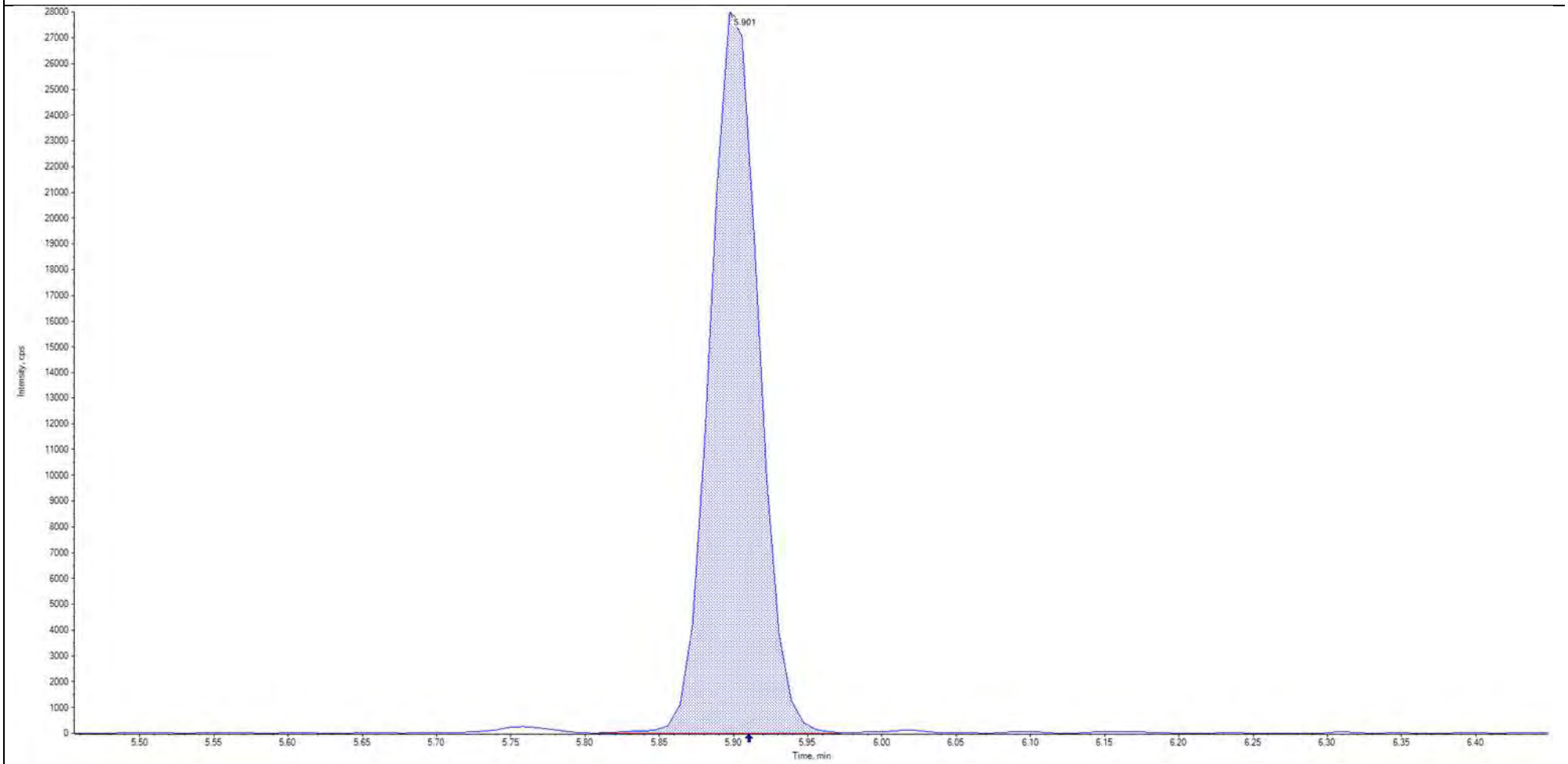

d5-NEtFOSA
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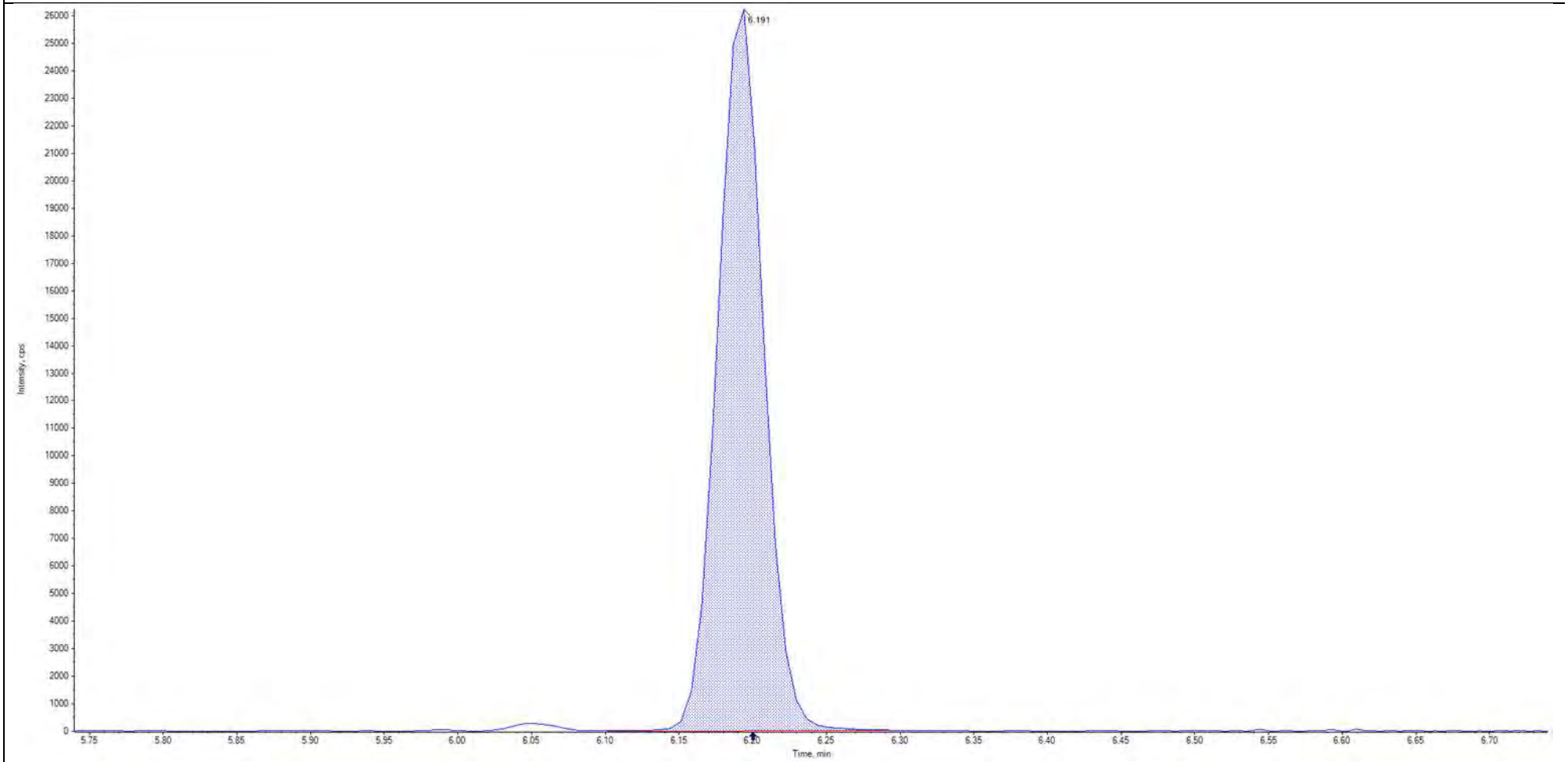

d3-NMeFOSAA
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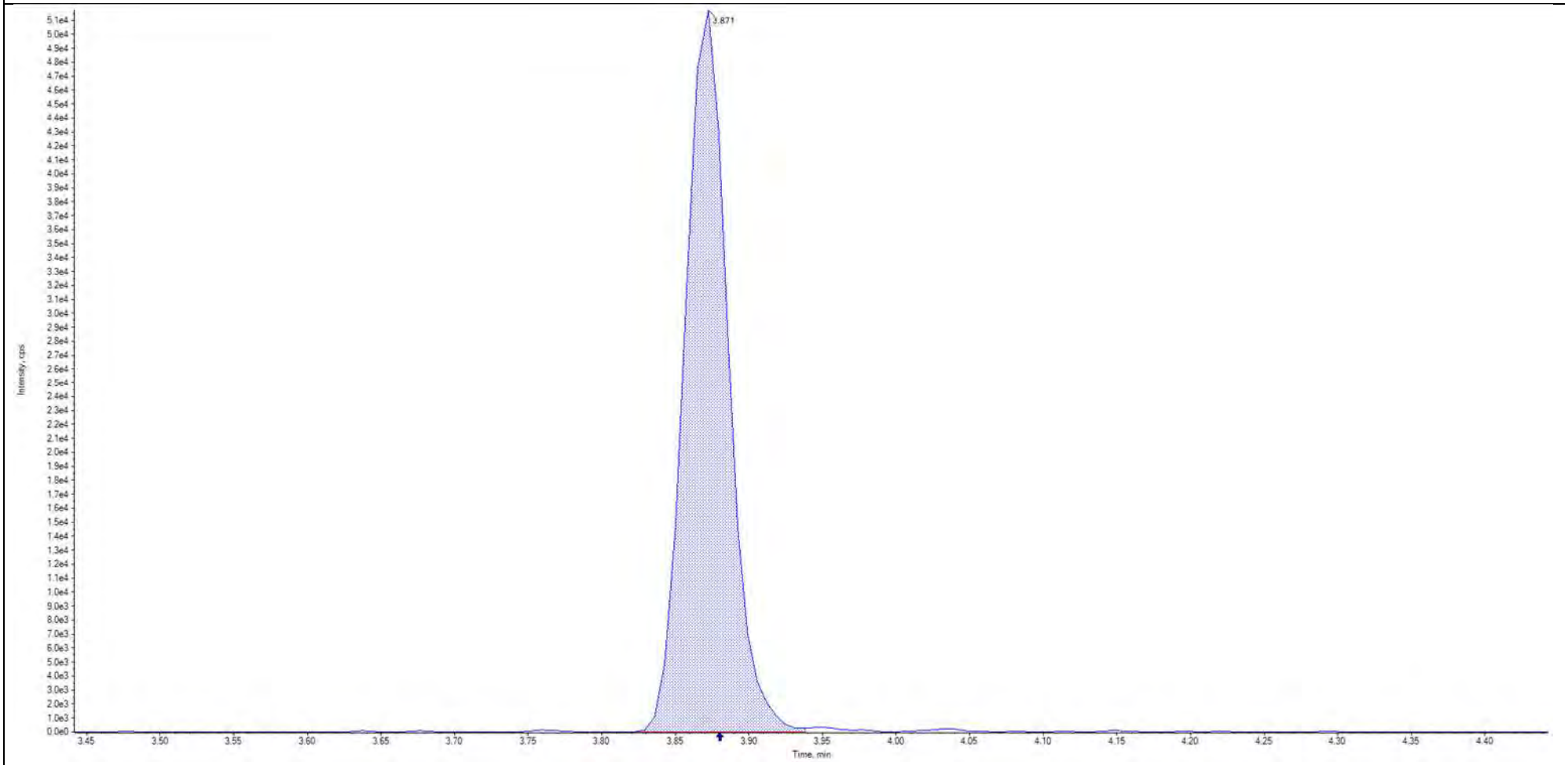

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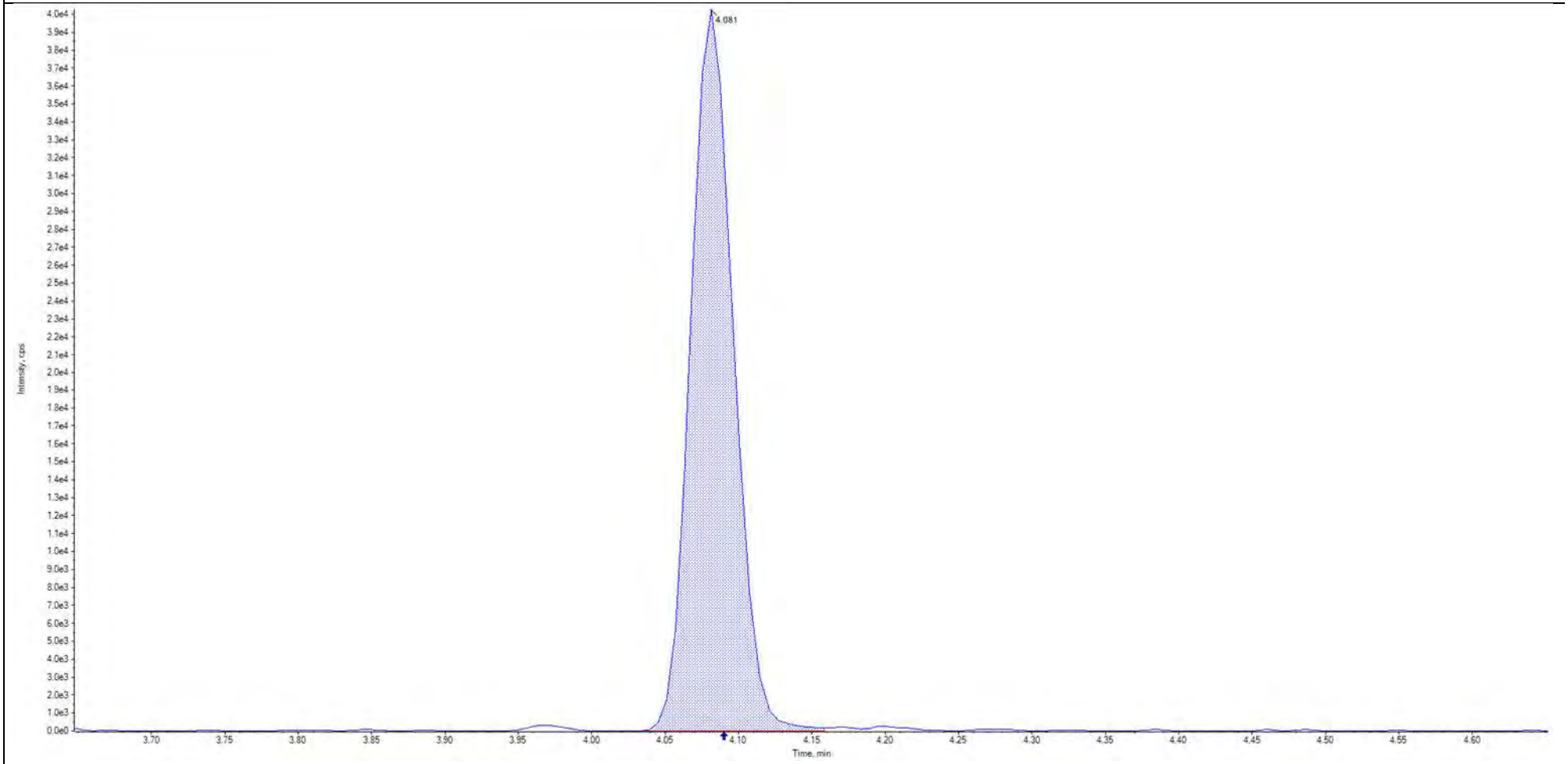

d7-NMeFOSE
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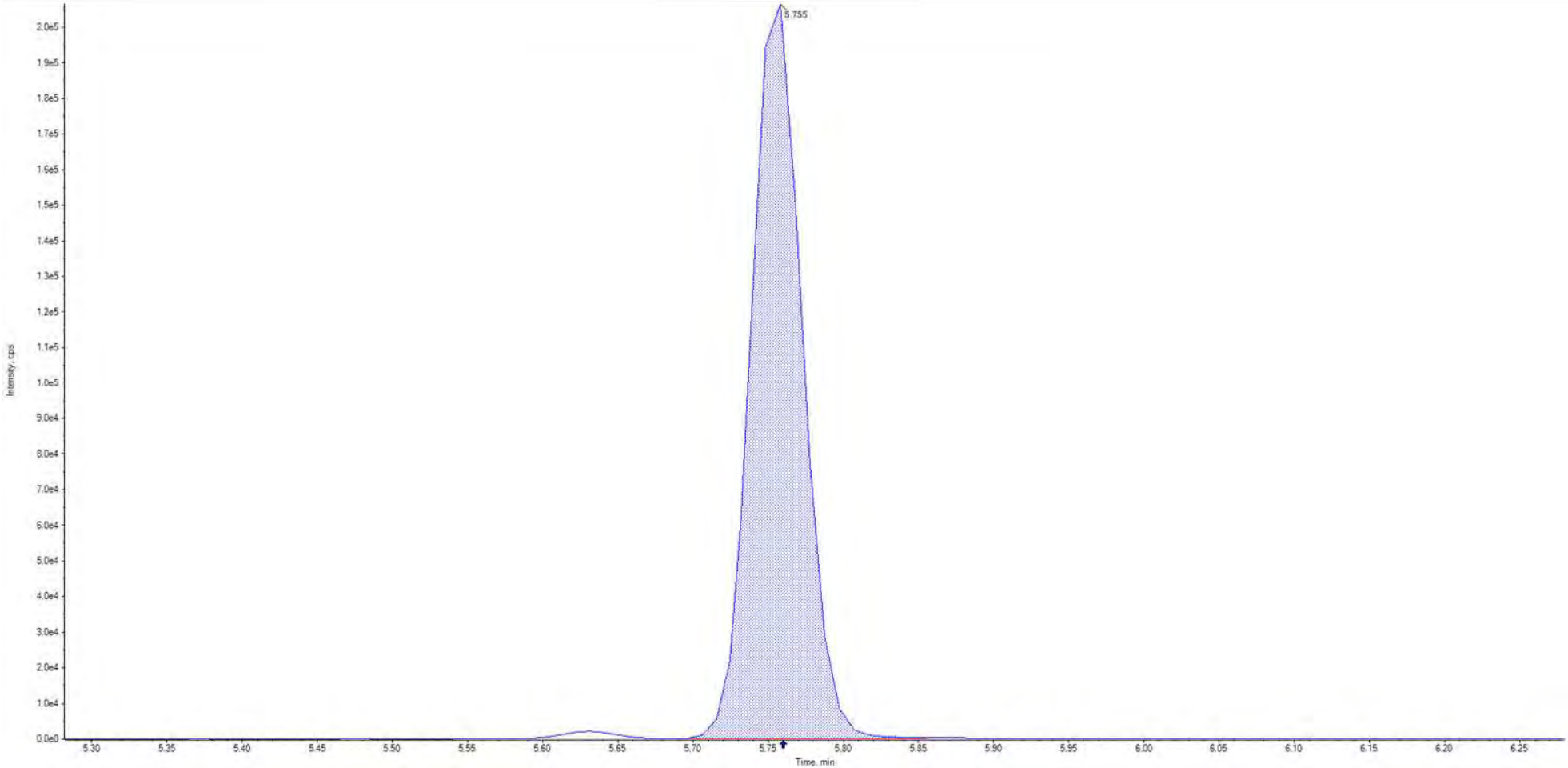

d9-NEtFOSE
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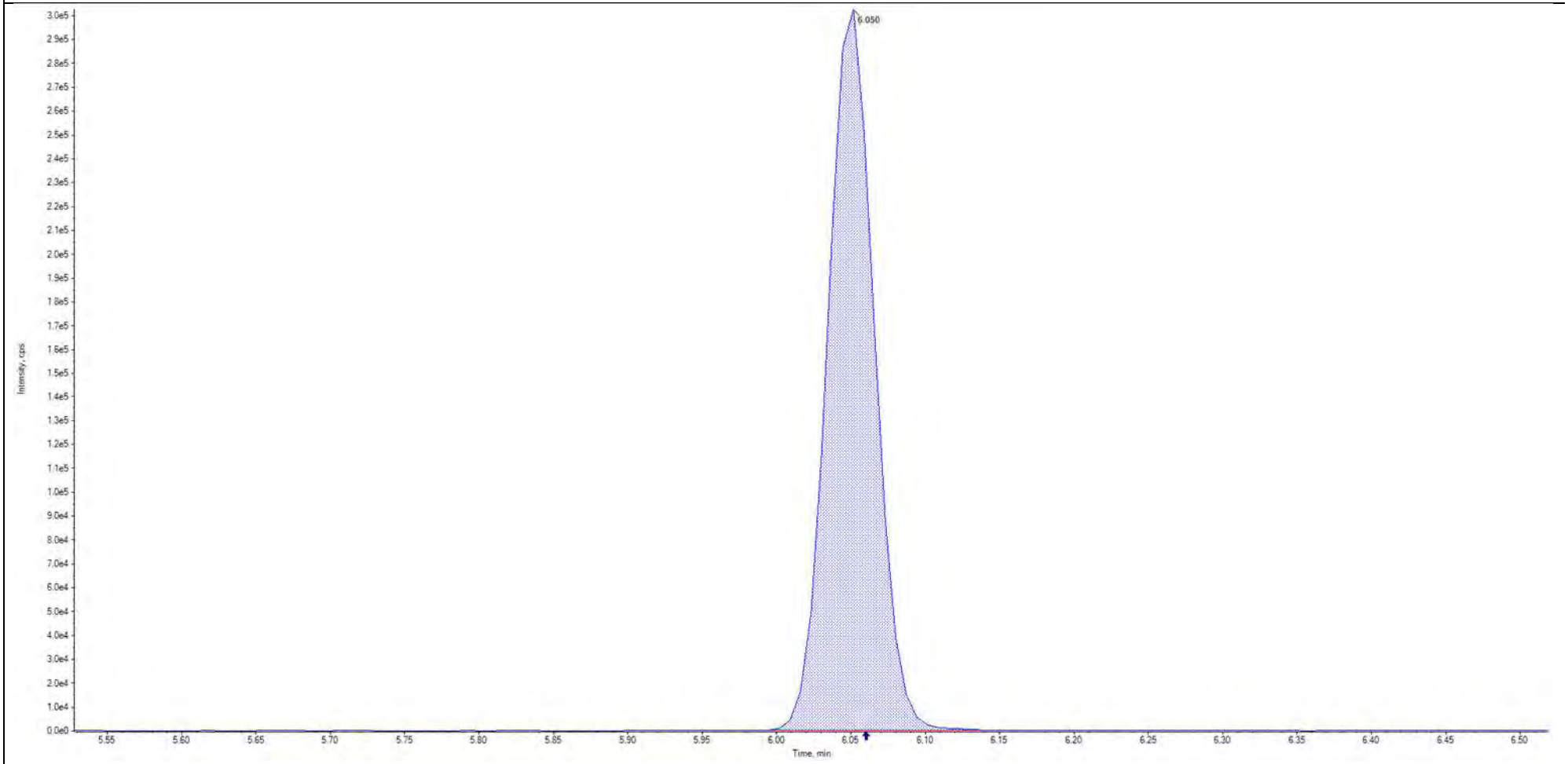

13C3-HFPO-DA
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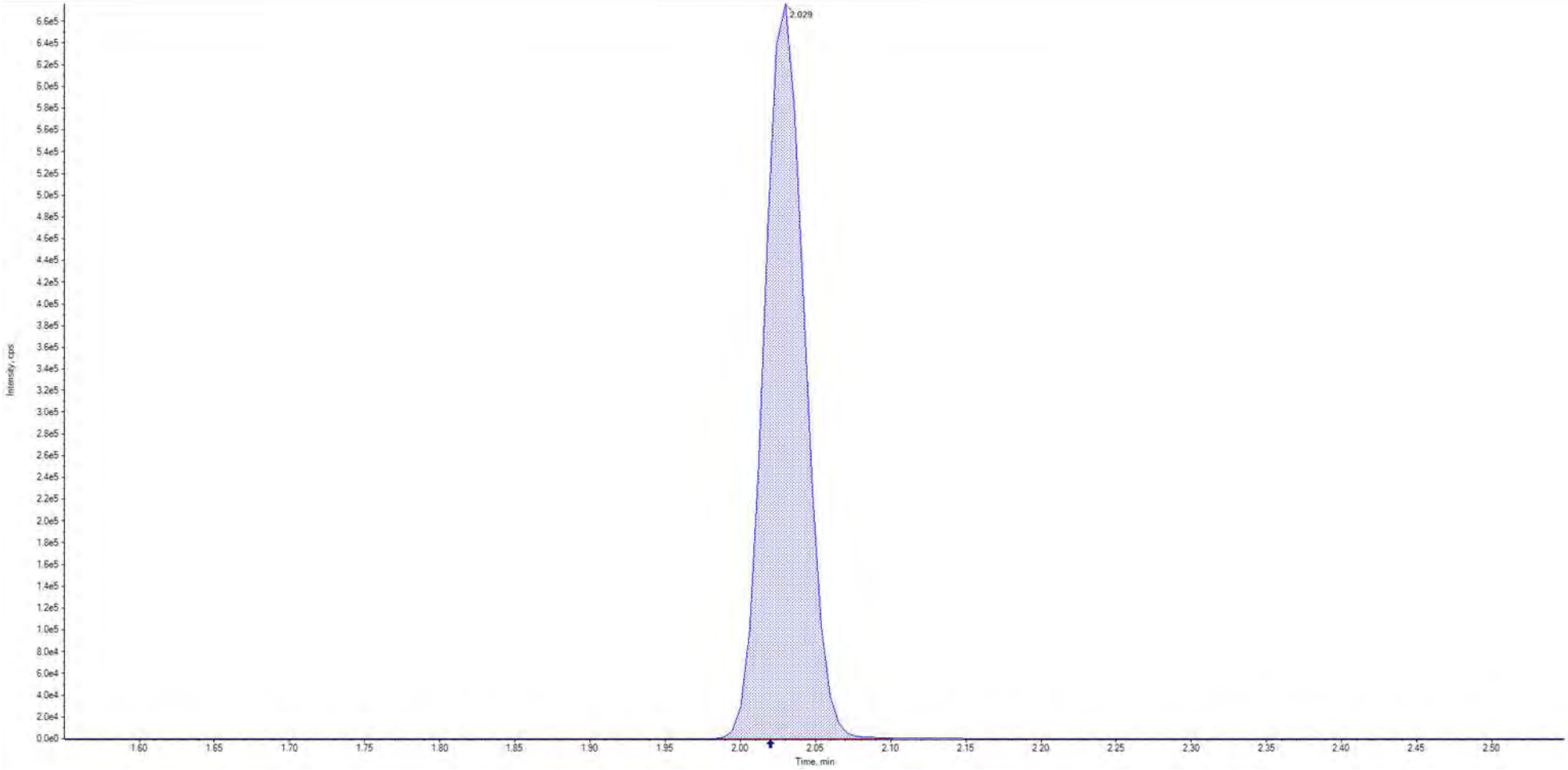

13C3-PFBA
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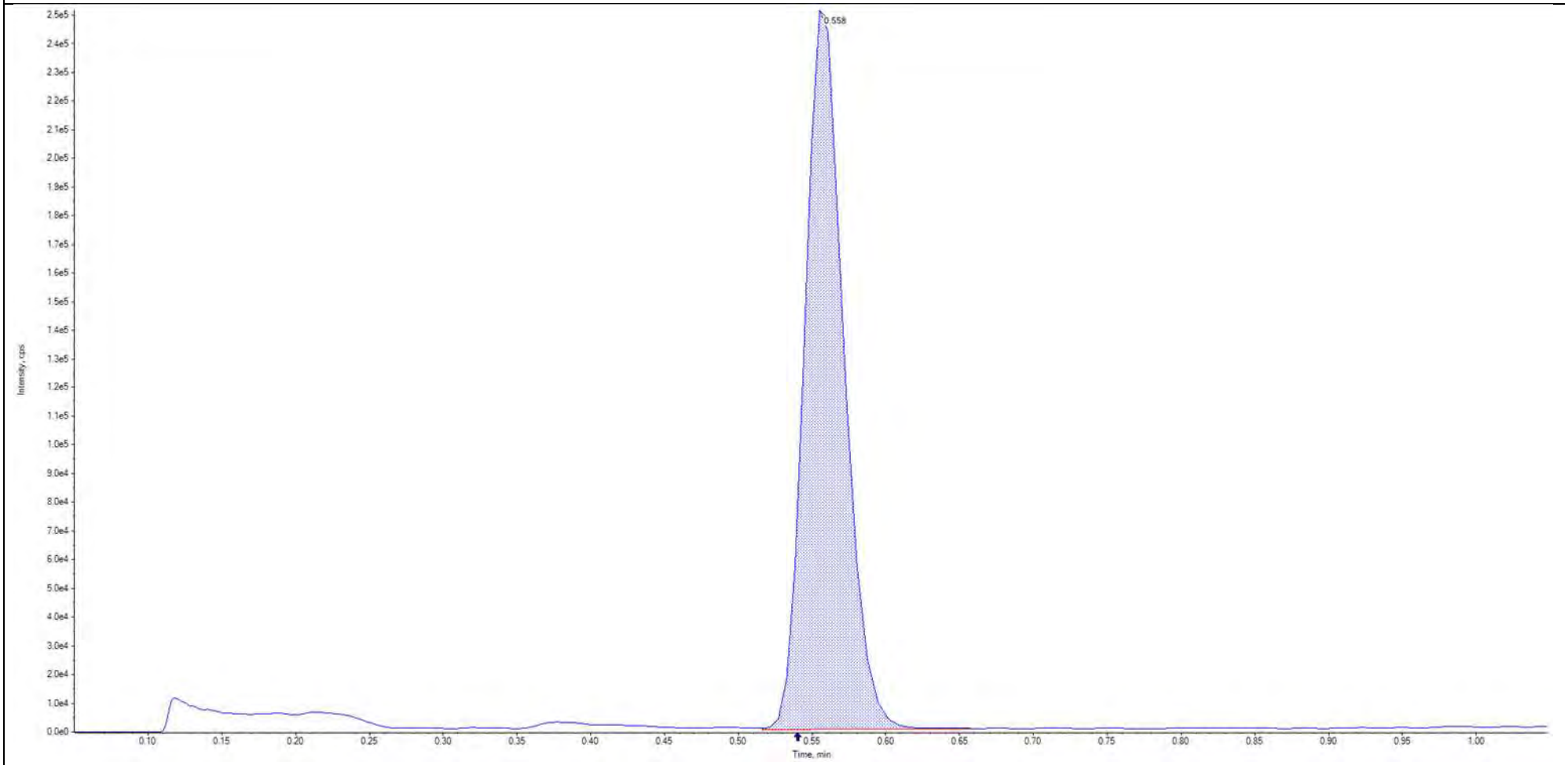

13C2-PFHxA
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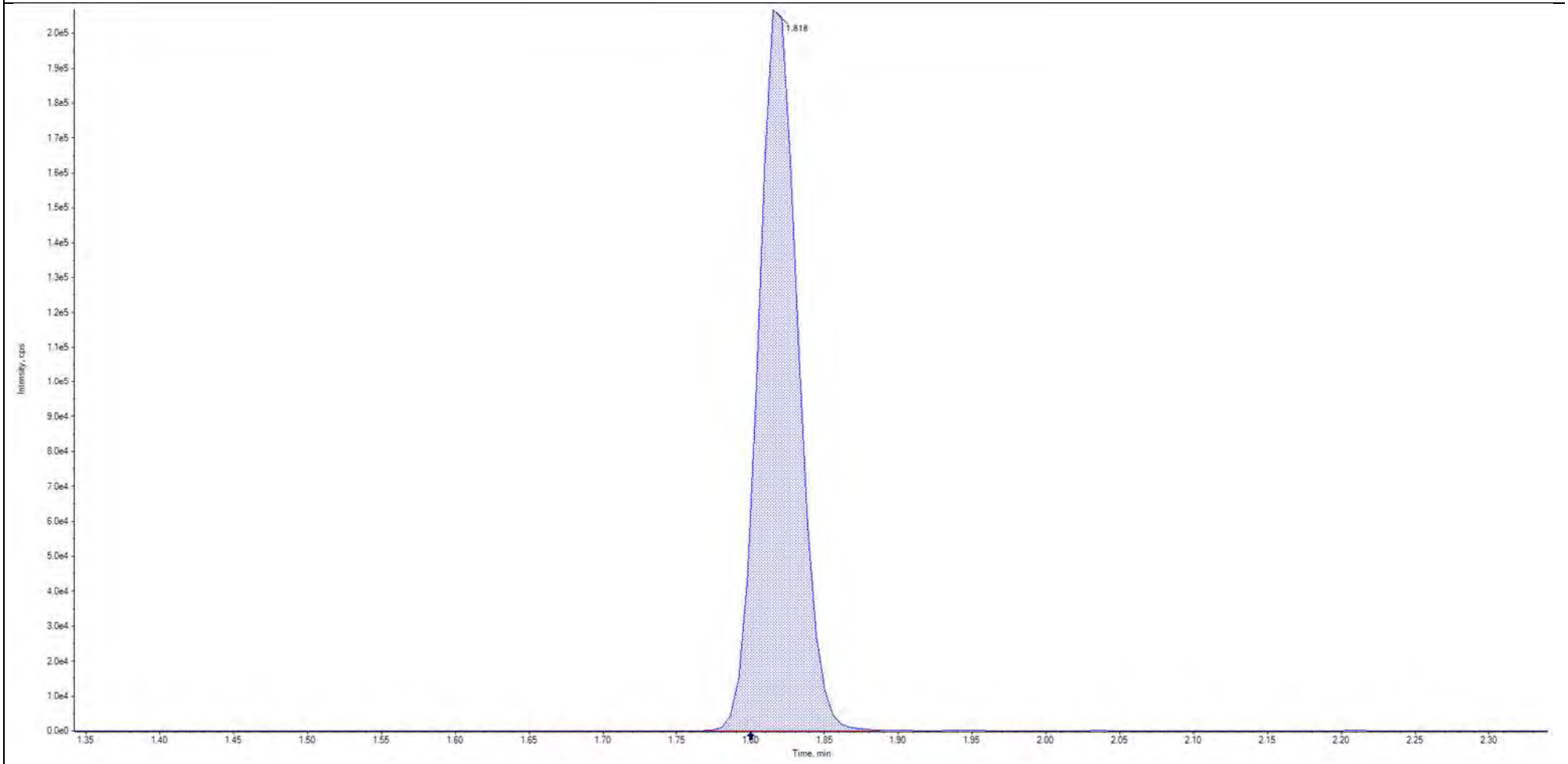

13C4-PFOA
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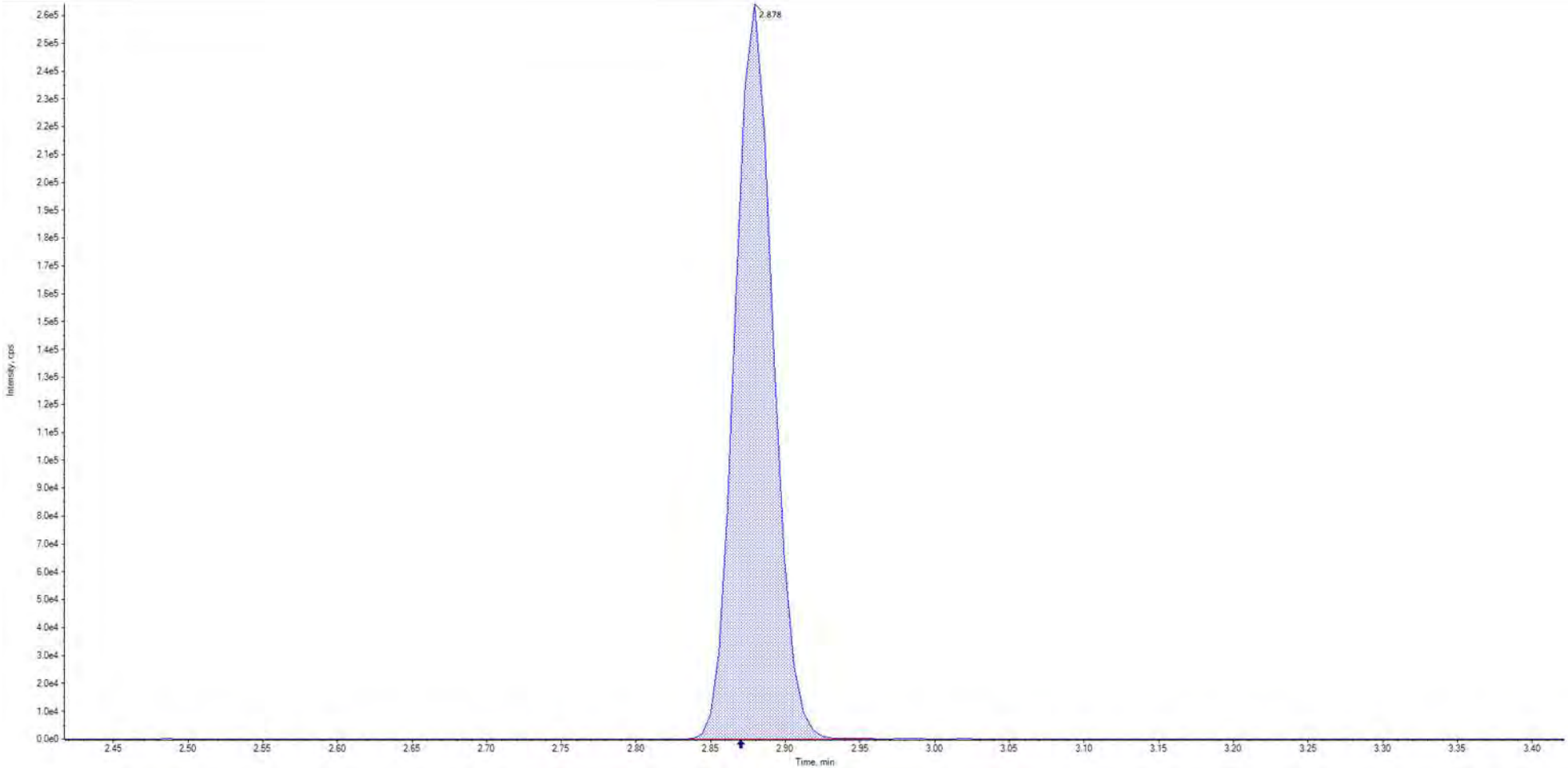

13C5-PFNA
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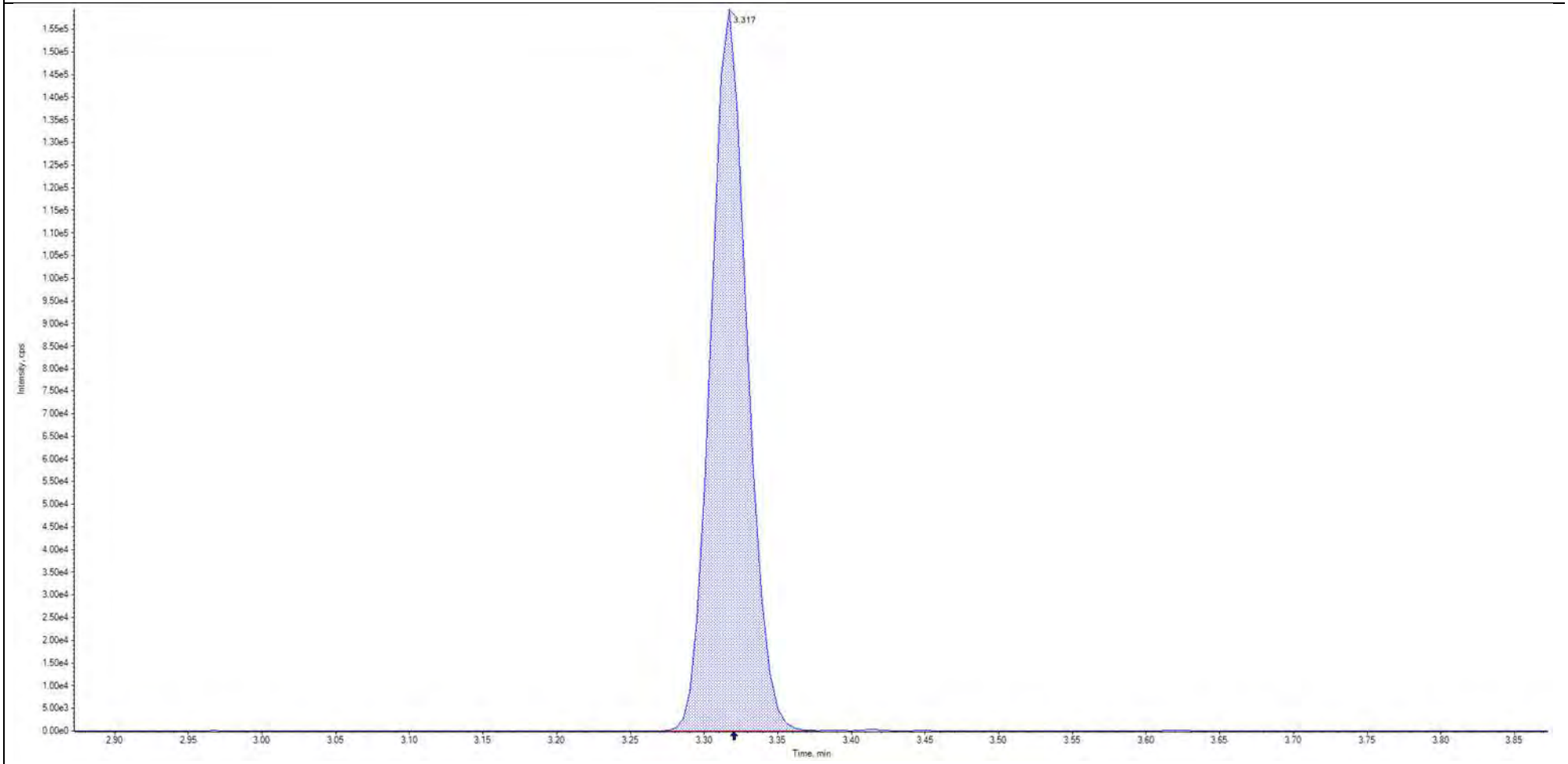

13C2-PFDA
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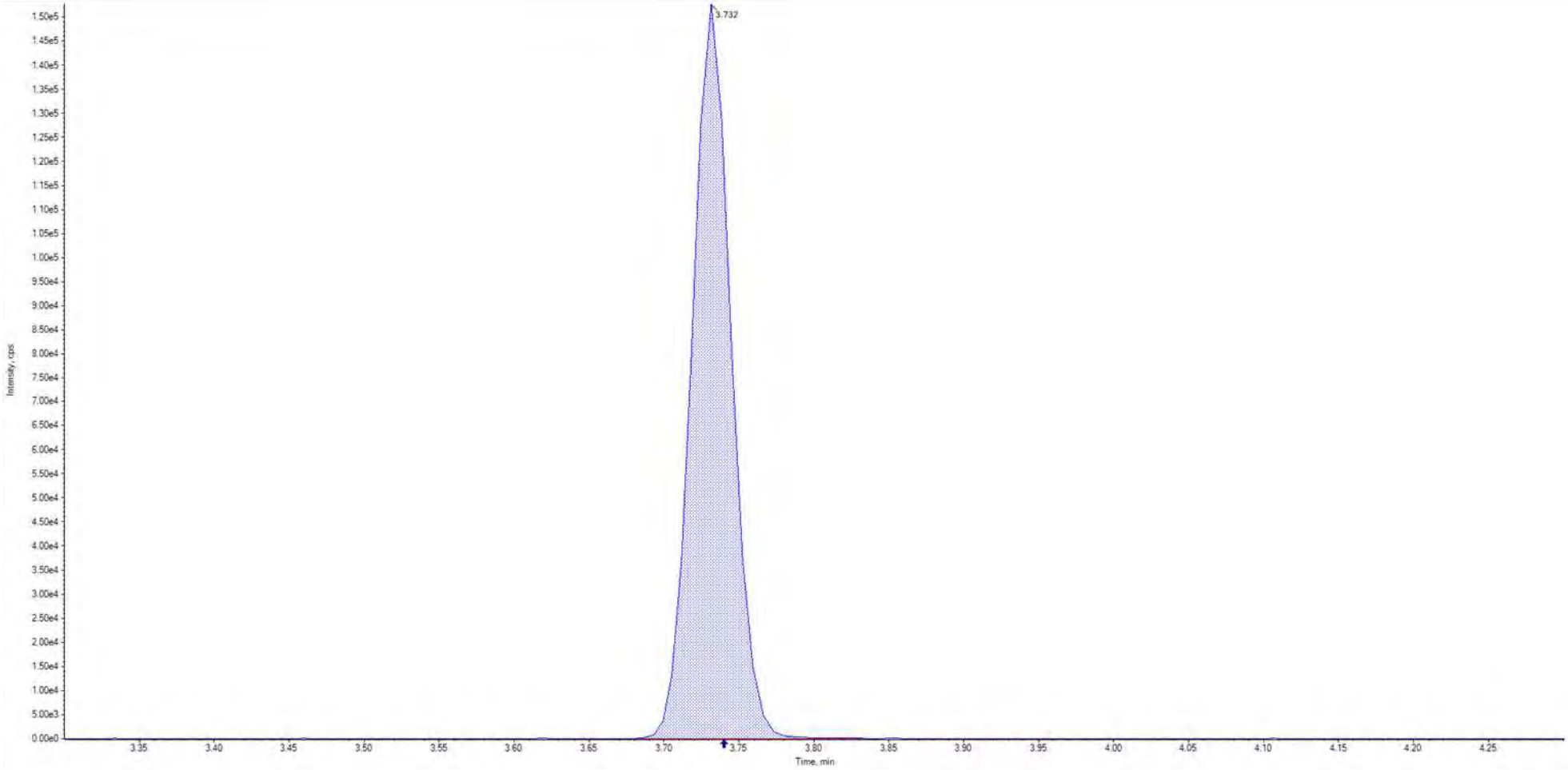

18O2-PFHxS
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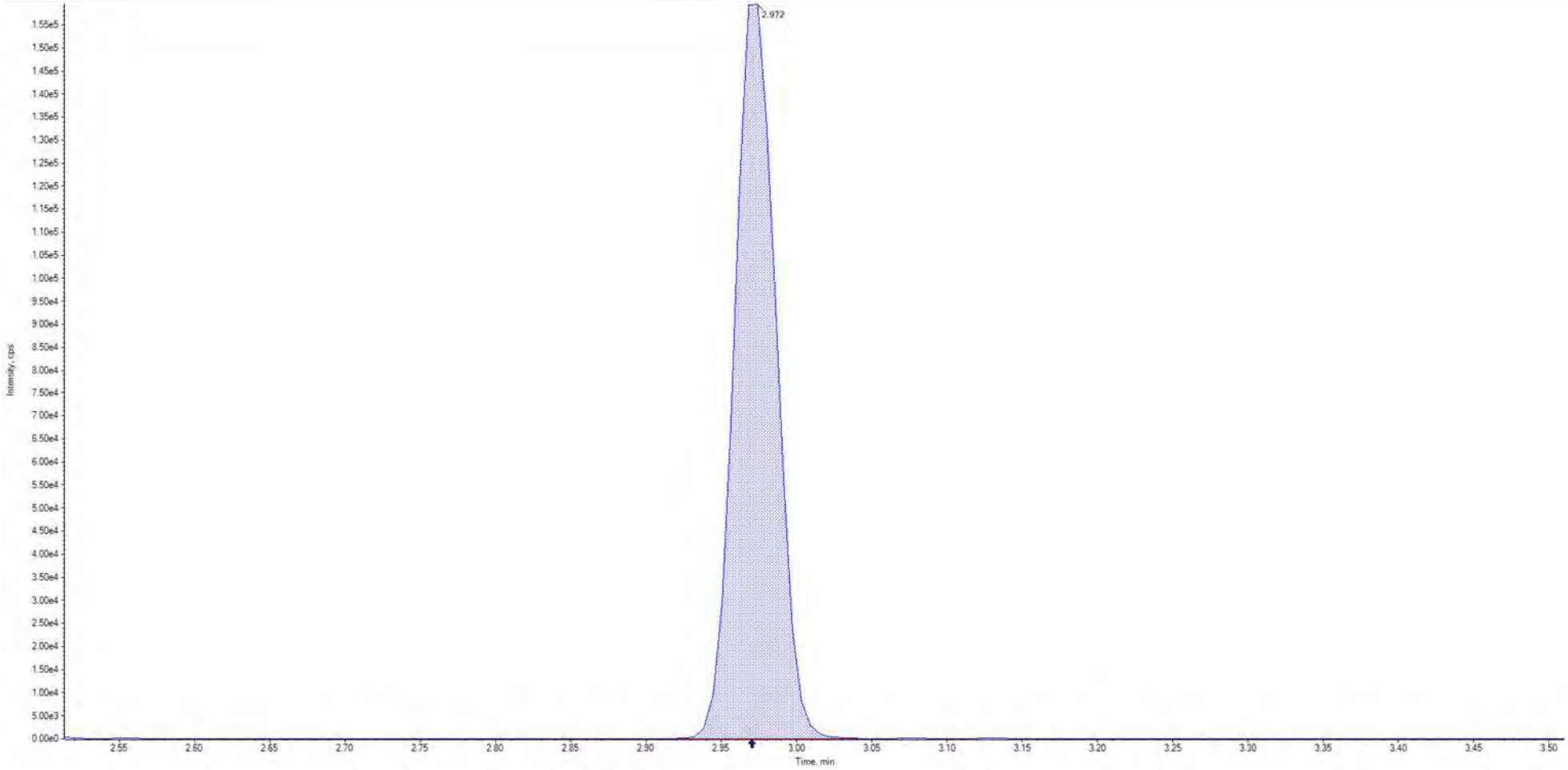

13C4-PFOS
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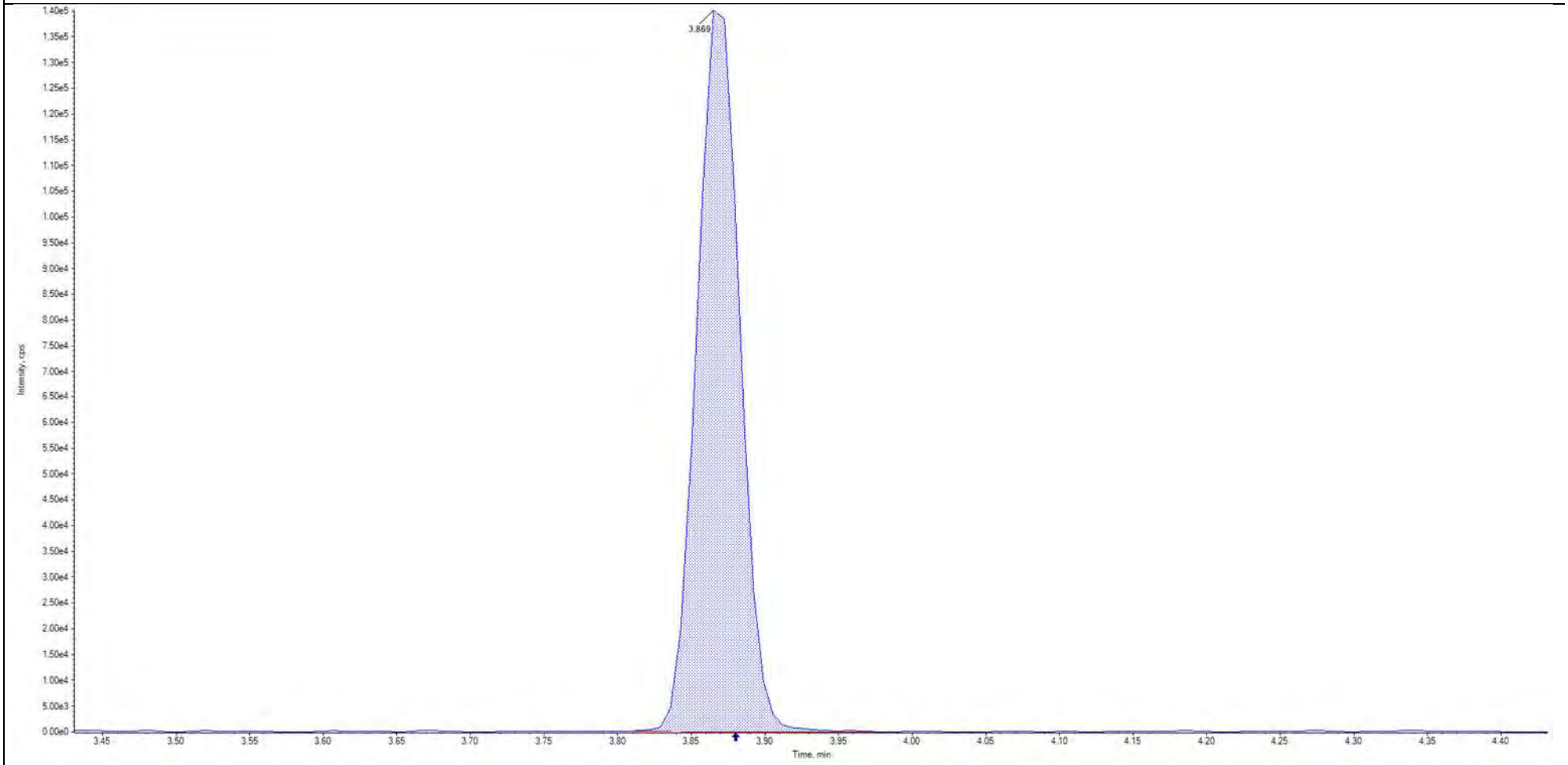

Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_26.wiff2_11
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

Method: EPA1633F.qmethod
Calibration: 241112_1633_ICAL

ID: L2467934-08
Name: SCI09_241223_27.wiff2
Date & Time: 2024-12-23T23:32:39
Description: WG2012688,WG2012727,ICAL21696
Instrument: SCIEX Triple Quad 5500+
User: LCMS09:JW

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.58	213.0 / 169.0	67762	M4	0.939	N/A	N/A	N/A	N/A
2	PFPeA	2706-90-3	1.09	263.0 / 219.0	119916		1.497	0.008	N/A	N/A	N/A
3	PFPeA_2	2706-90-3	1.08	263.0 / 68.9	951	M2	1.362	0.008	N/A	N/A	N/A
4	PFHxA	307-24-4	1.84	313.0 / 269.0	159060		1.428	0.083	0.089	Pass	N/A
5	PFHxA_2	307-24-4	1.84	313.0 / 119.0	13207	M4	1.306	0.083	0.089	Pass	N/A
6	PFHpA	375-85-9	2.42	363.1 / 319.0	116214	M3	0.701	0.427	0.384	Pass	N/A
7	PFHpA_2	375-85-9	2.42	363.1 / 169.0	49570		0.769	0.427	0.384	Pass	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	2.90	413.1 / 369.1	490775	M5	3.832	0.368	0.410	Pass	N/A
9	PFOA_2	335-67-1	2.90	413.1 / 169.0	180679	M5	3.448	0.368	0.410	Pass	N/A
10	PFNA	375-95-1	3.34	462.8 / 418.9	49627	M4	0.425	0.271	0.341	Pass	N/A
11	PFNA_2	375-95-1	3.34	462.8 / 219.0	13442		0.334	0.271	0.341	Pass	N/A
12	PFDA	335-76-2	3.75	513.1 / 469.1	37810		0.317	0.202	0.215	Pass	N/A
13	PFDA_2	335-76-2	3.75	513.1 / 219.0	7645		0.341	0.202	0.215	Pass	N/A
14	PFUnA	2058-94-8	N/A	563.1 / 519.1	N/A		N/A	N/A	0.151	N/A	N/A
15	PFUnA_2	2058-94-8	N/A	563.1 / 269.0	N/A		N/A	N/A	0.151	N/A	N/A
16	PFDoA	307-55-1	N/A	613.1 / 569.1	N/A		N/A	N/A	0.140	N/A	N/A
17	PFDoA_2	307-55-1	N/A	613.1 / 319.0	N/A		N/A	N/A	0.140	N/A	N/A
18	PFTrDA	72629-94-8	N/A	663.1 / 619.1	N/A		N/A	N/A	0.159	N/A	N/A
19	PFTrDA_2	72629-94-8	N/A	663.1 / 169.0	N/A		N/A	N/A	0.159	N/A	N/A
20	PFTeDA	376-06-7	N/A	713.1 / 669.1	N/A		N/A	N/A	0.159	N/A	N/A
21	PFTeDA_2	376-06-7	N/A	713.1 / 169.0	N/A		N/A	N/A	0.159	N/A	N/A
22	PFBS	375-73-5	1.83	299.1 / 80.1	37864		0.344	0.360	0.398	Pass	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	1.83	299.1 / 99.1	13649		0.356	0.360	0.398	Pass	N/A
24	PFPeS	2706-91-4	2.47	349.1 / 80.1	8379	M4	0.084	0.308	0.285	Pass	N/A
25	PFPeS_2	2706-91-4	2.47	349.1 / 99.1	2581	M4	0.083	0.308	0.285	Pass	N/A
26	PFHxS	355-46-4	2.99	399.1 / 80.1	63901	M5	0.666	0.282	0.293	Pass	N/A
27	PFHxS_2	355-46-4	2.99	399.1 / 99.1	18045	M5	0.654	0.282	0.293	Pass	N/A
28	PFHpS	375-92-8	3.46	449.1 / 80.1	4792		0.055	0.272	0.308	Pass	N/A
29	PFHpS_2	375-92-8	3.45	449.1 / 99.1	1305	M2	0.051	0.272	0.308	Pass	N/A
30	PFOS	1763-23-1	3.89	499.1 / 80.1	235759	M5	2.339	0.215	0.241	Pass	N/A
31	PFOS_2	1763-23-1	3.89	499.1 / 99.1	50582	M5	2.071	0.215	0.241	Pass	N/A
32	PFNS	68259-12-1	N/A	549.1 / 80.1	N/A		N/A	N/A	0.299	N/A	N/A
33	PFNS_2	68259-12-1	N/A	549.1 / 99.1	N/A		N/A	N/A	0.299	N/A	N/A
34	PFDS	335-77-3	N/A	599.1 / 80.1	N/A		N/A	N/A	0.274	N/A	N/A
35	PFDS_2	335-77-3	N/A	599.1 / 99.1	N/A		N/A	N/A	0.274	N/A	N/A
36	PFDoS	79780-39-5	N/A	699.2 / 80.1	N/A		N/A	N/A	0.247	N/A	N/A
37	PFDoS_2	79780-39-5	N/A	699.2 / 99.1	N/A		N/A	N/A	0.247	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	N/A	327.1 / 307.1	N/A		N/A	N/A	0.634	N/A	N/A
39	4:2FTS_2	757124-72-4	N/A	327.1 / 81.1	N/A		N/A	N/A	0.634	N/A	N/A
40	6:2FTS	27619-97-2	N/A	427.2 / 407.2	N/A		N/A	N/A	0.609	N/A	N/A
41	6:2FTS_2	27619-97-2	N/A	427.2 / 81.1	N/A		N/A	N/A	0.609	N/A	N/A
42	8:2FTS	39108-34-4	N/A	527.2 / 507.2	N/A		N/A	N/A	0.681	N/A	N/A
43	8:2FTS_2	39108-34-4	N/A	527.2 / 81.1	N/A		N/A	N/A	0.681	N/A	N/A
44	PFOSA	754-91-6	5.16	498.1 / 78.1	17852	M5	0.172	0.047	0.024	Fail	N/A
45	PFOSA_2	754-91-6	5.06	498.1 / 478.0	847	M5	0.330	0.047	0.024	Fail	N/A
46	NMeFOSA	31506-32-8	N/A	512.2 / 219.0	N/A		N/A	N/A	1.421	N/A	N/A
47	NMeFOSA_2	31506-32-8	N/A	512.2 / 169.0	N/A		N/A	N/A	1.421	N/A	N/A
48	NEtFOSA	4151-50-2	N/A	526.2 / 219.0	N/A		N/A	N/A	1.258	N/A	N/A
49	NEtFOSA_2	4151-50-2	N/A	526.2 / 169.0	N/A		N/A	N/A	1.258	N/A	N/A
50	NMeFOSAA	2355-31-9	N/A	570.2 / 419.1	N/A		N/A	N/A	0.683	N/A	N/A
51	NMeFOSAA_2	2355-31-9	N/A	570.2 / 483.0	N/A		N/A	N/A	0.683	N/A	N/A
52	NEtFOSAA	2991-50-6	N/A	584.2 / 419.1	N/A		N/A	N/A	0.571	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	N/A	584.2 / 526.2	N/A		N/A	N/A	0.571	N/A	N/A
54	NMeFOSE	24448-09-7	N/A	616.1 / 58.9	N/A		N/A	N/A	N/A	N/A	N/A
55	NEtFOSE	1691-99-2	N/A	630.0 / 58.9	N/A		N/A	N/A	N/A	N/A	N/A
56	HFPO-DA	13252-13-6	2.05	285.0 / 169.0	2834		0.031	0.376	0.510	Pass	N/A
57	HFPO-DA_2	13252-13-6	2.05	285.0 / 184.9	1067	M2	0.022	0.376	0.510	Pass	N/A
58	ADONA	919005-14-4	N/A	376.9 / 251.0	N/A		N/A	N/A	0.636	N/A	N/A
59	ADONA_2	919005-14-4	N/A	376.9 / 84.8	N/A		N/A	N/A	0.636	N/A	N/A
60	9Cl-PF3ONS	756426-58-1	N/A	530.8 / 351.1	N/A		N/A	N/A	0.326	N/A	N/A
61	9Cl-PF3ONS_2	756426-58-1	N/A	532.8 / 353.0	N/A		N/A	N/A	0.326	N/A	N/A
62	11Cl-PF3OUdS	763051-92-9	N/A	630.9 / 451.0	N/A		N/A	N/A	0.318	N/A	N/A
63	11Cl-PF3OUdS_2	763051-92-9	N/A	632.9 / 452.9	N/A		N/A	N/A	0.318	N/A	N/A
64	3:3FTCA	356-02-5	N/A	241.1 / 177.1	N/A		N/A	N/A	1.068	N/A	N/A
65	3:3FTCA_2	356-02-5	N/A	241.1 / 117.0	N/A		N/A	N/A	1.068	N/A	N/A
66	5:3FTCA	914637-49-3	N/A	341.1 / 237.1	N/A		N/A	N/A	1.045	N/A	N/A
67	5:3FTCA_2	914637-49-3	N/A	341.1 / 217.0	N/A		N/A	N/A	1.045	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	N/A	441.1 / 316.9	N/A		N/A	N/A	1.285	N/A	N/A
69	7:3FTCA_2	812-70-4	N/A	441.1 / 337.1	N/A		N/A	N/A	1.285	N/A	N/A
70	PFEESA	113507-82-7	N/A	315.1 / 135.0	N/A		N/A	N/A	0.081	N/A	N/A
71	PFEESA_2	113507-82-7	N/A	315.1 / 82.9	N/A		N/A	N/A	0.081	N/A	N/A
72	PFMPA	377-73-1	N/A	229.0 / 85.0	N/A		N/A	N/A	N/A	N/A	N/A
73	PFMBA	863090-89-5	N/A	279.0 / 85.0	N/A		N/A	N/A	N/A	N/A	N/A
74	NFDHA	151772-58-6	N/A	295.0 / 201.0	N/A		N/A	N/A	0.681	N/A	N/A
75	NFDHA_2	151772-58-6	N/A	295.0 / 84.9	N/A		N/A	N/A	0.681	N/A	N/A
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	5.357	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	5.357	N/A	N/A
78	13C2D4-4:2FTS	Surr	N/A	333.2 / 312.1	N/A		N/A	N/A	N/A	N/A	N/A
79	13C2-PFOA	Surr	N/A	415.0 / 370.0	N/A		N/A	N/A	N/A	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.57	217.0 / 172.0	846412		6.647	NA	NA	NA	66.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.09	268.0 / 223.0	456962		3.026	NA	NA	NA	60.5
	13C5-PFHxA	EIS	1.83	318.0 / 273.0	242874		1.525	NA	NA	NA	61.0
	13C4-PFHpA	EIS	2.41	367.0 / 322.0	272171		2.047	NA	NA	NA	81.9
	13C8-PFOA	EIS	2.90	420.8 / 376.0	396173		1.403	NA	NA	NA	56.1
	13C9-PFNA	EIS	3.33	472.0 / 427.0	164742		0.759	NA	NA	NA	60.7
	13C6-PFDA	EIS	3.75	519.0 / 474.0	176002		0.775	NA	NA	NA	62.0
	13C7-PFUnA	EIS	4.15	570.0 / 525.0	217334		0.862	NA	NA	NA	69.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.53	615.1 / 570.0	189187		0.702	NA	NA	NA	56.2
	13C2-PFTeDA	EIS	5.26	715.1 / 670.1	115654		0.579	NA	NA	NA	46.3
	13C3-PFBS	EIS	1.82	302.1 / 80.1	255886		1.494	NA	NA	NA	64.1
	13C3-PFHxS	EIS	2.99	402.1 / 80.1	221106		1.457	NA	NA	NA	61.5
	13C8-PFOS	EIS	3.89	507.1 / 80.1	228869		1.527	NA	NA	NA	63.6
	13C2-4:2FTS	EIS	1.63	329.1 / 81.1	142547		5.990	NA	NA	NA	127.7
	13C2-6:2FTS	EIS	2.72	429.2 / 81.1	111289		5.268	NA	NA	NA	110.7
	13C2-8:2FTS	EIS	3.57	529.2 / 81.1	76763		3.070	NA	NA	NA	64.0

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C8-PFOSA	EIS	5.19	506.1 / 78.1	330612		1.299	NA	NA	NA	52.0
d3-NMeFOSA	EIS	5.92	515.2 / 219.0	53594		1.286	NA	NA	NA	51.4
d5-NEtFOSA	EIS	6.21	531.2 / 219.0	51541		1.363	NA	NA	NA	54.5
d3-NMeFOSAA	EIS	3.89	573.2 / 419.1	77326		2.988	NA	NA	NA	59.8
d5-NEtFOSAA	EIS	4.10	589.3 / 419.1	66775		2.618	NA	NA	NA	52.4
d7-NMeFOSE	EIS	5.77	623.2 / 58.9	421409		15.610	NA	NA	NA	62.4
d9-NEtFOSE	EIS	6.07	639.2 / 58.9	566312		15.590	NA	NA	NA	62.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.04	287.0 / 169.0	948881		6.099	NA	NA	NA	61.0
	13C3-PFBA	NIS	0.57	216.0 / 172.0	555090		4.377	NA	NA	NA	87.5
	13C2-PFHxA	NIS	1.83	315.0 / 270.0	442007		2.968	NA	NA	NA	118.7
	13C4-PFOA	NIS	2.89	417.0 / 372.0	450315		3.124	NA	NA	NA	124.9
	13C5-PFNA	NIS	3.33	468.0 / 423.0	270325		1.324	NA	NA	NA	105.9
	13C2-PFDA	NIS	3.75	515.1 / 470.1	269565		1.278	NA	NA	NA	102.3
	18O2-PFHxS	NIS	2.99	403.1 / 84.1	316878		2.716	NA	NA	NA	114.6
	13C4-PFOS	NIS	3.89	503.1 / 80.1	298569		2.379	NA	NA	NA	99.1

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Alpha Analytical LLC
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	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec

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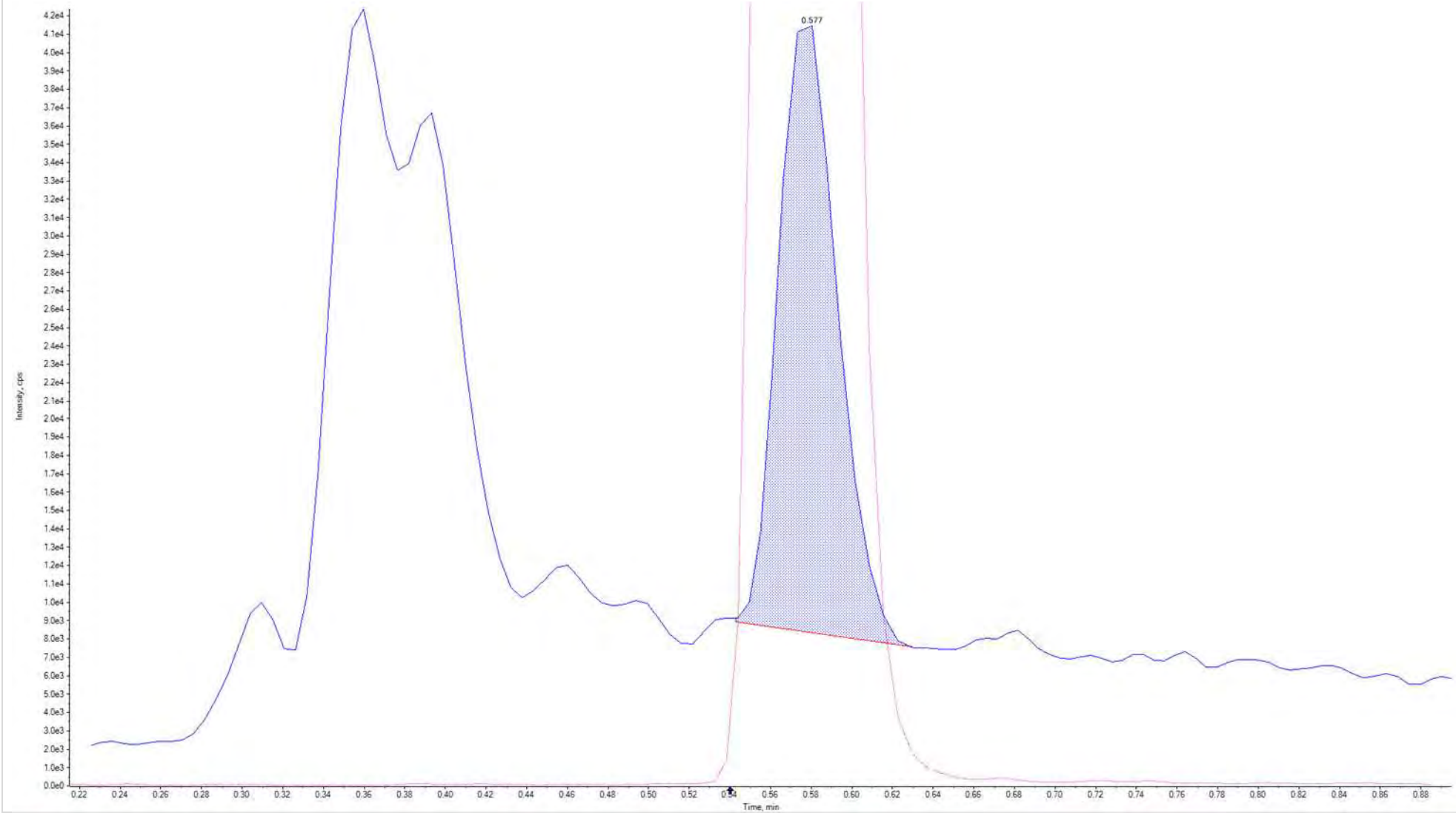
PFBA
Sample: L2467934-08 S/N:81.1 Points Across peak:15



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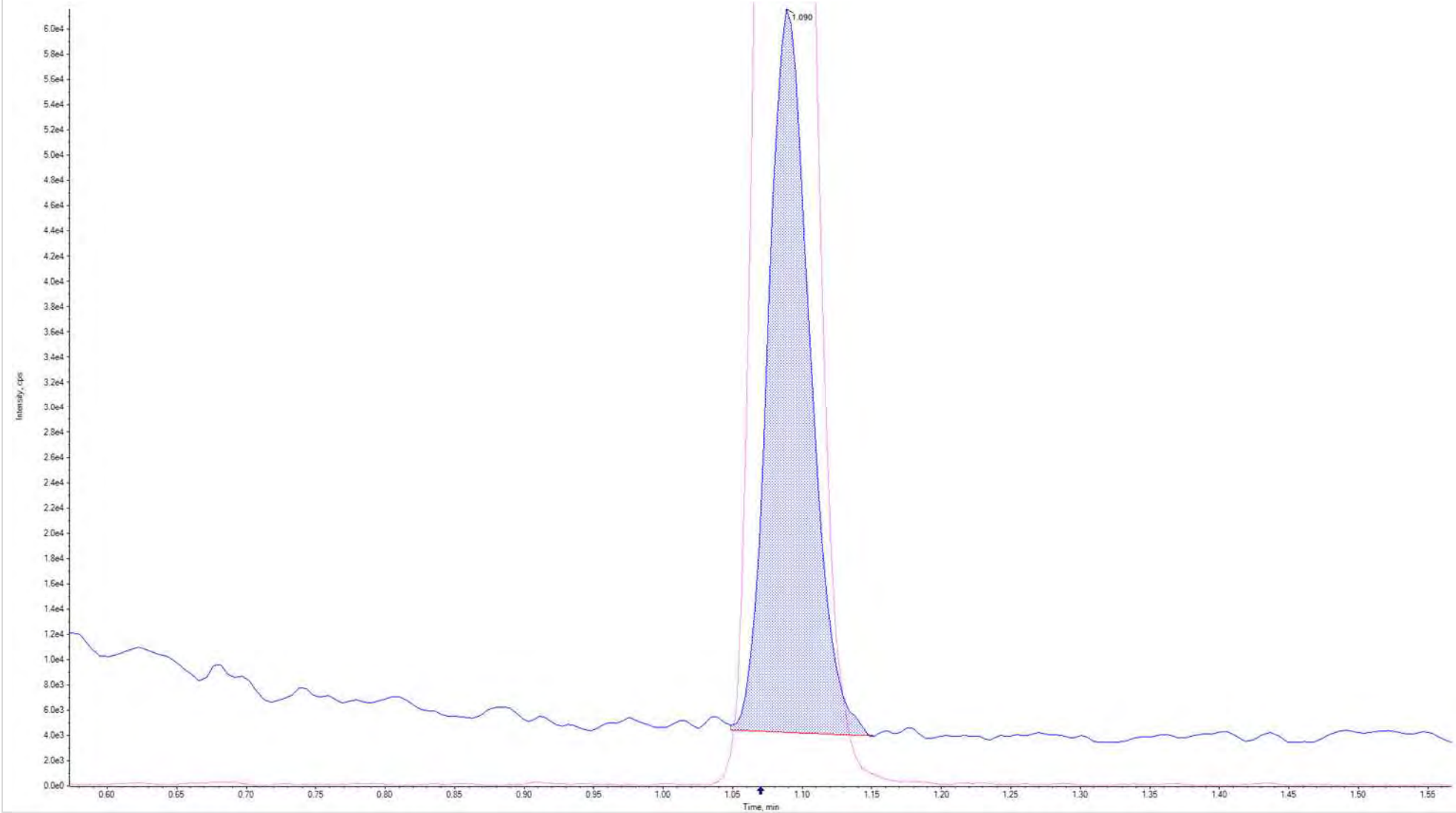
PFPeA
Sample: L2467934-08 S/N:285.7 Points Across peak:30



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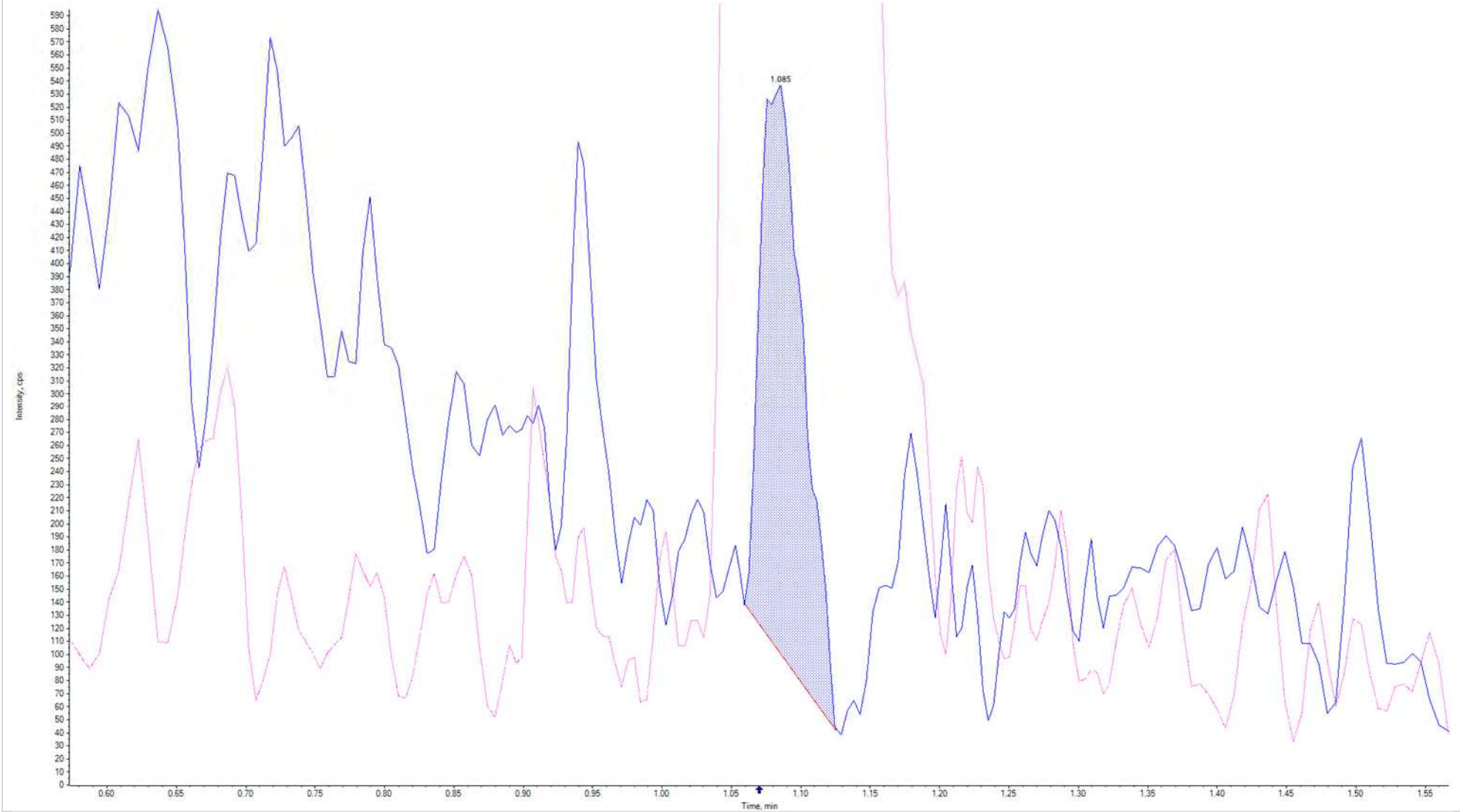
PFPeA_2
Sample: L2467934-08 S/N:26.3 Points Across peak:22



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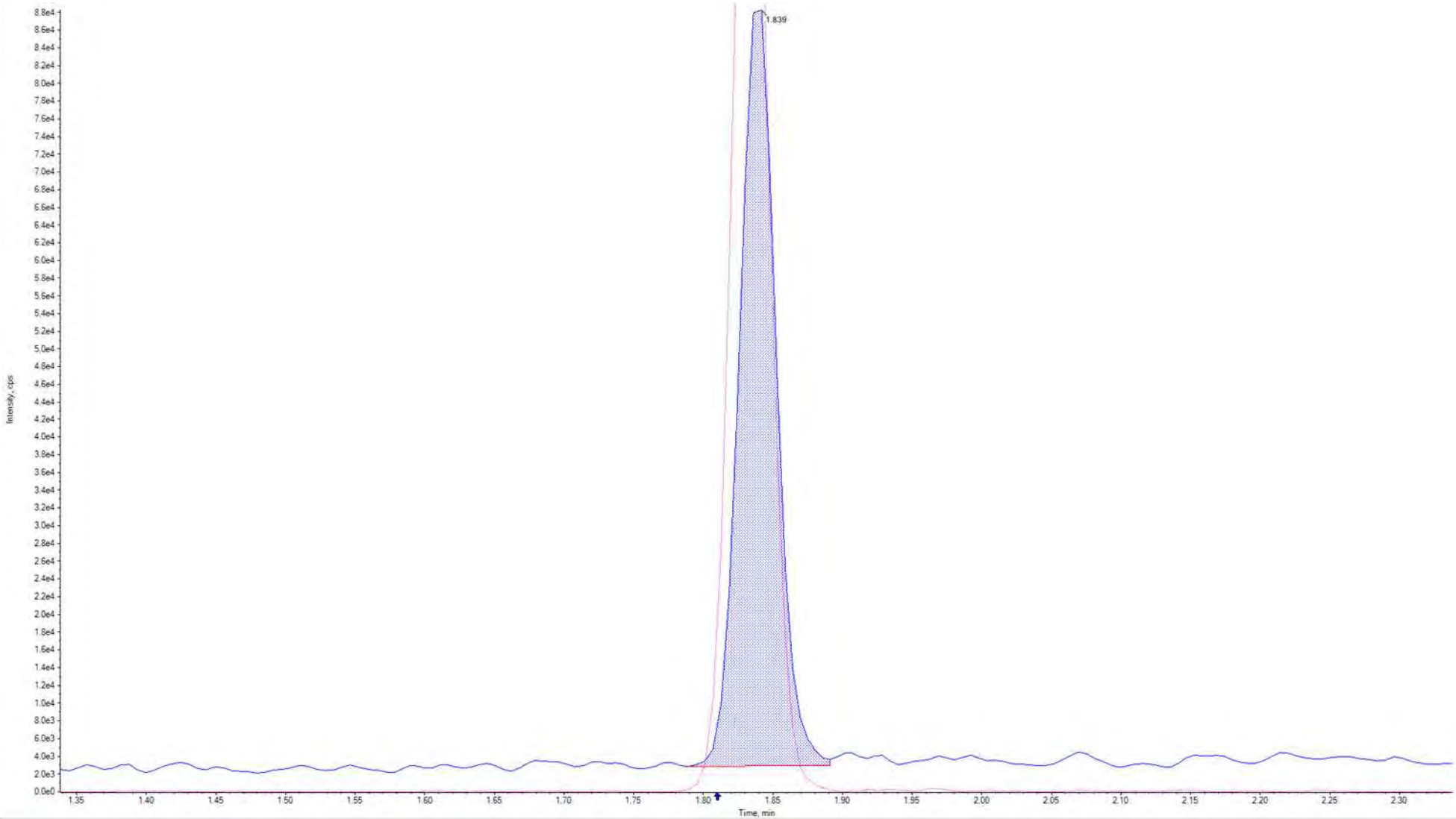
PFHxA
Sample: L2467934-08 S/N:360.4 Points Across peak:19



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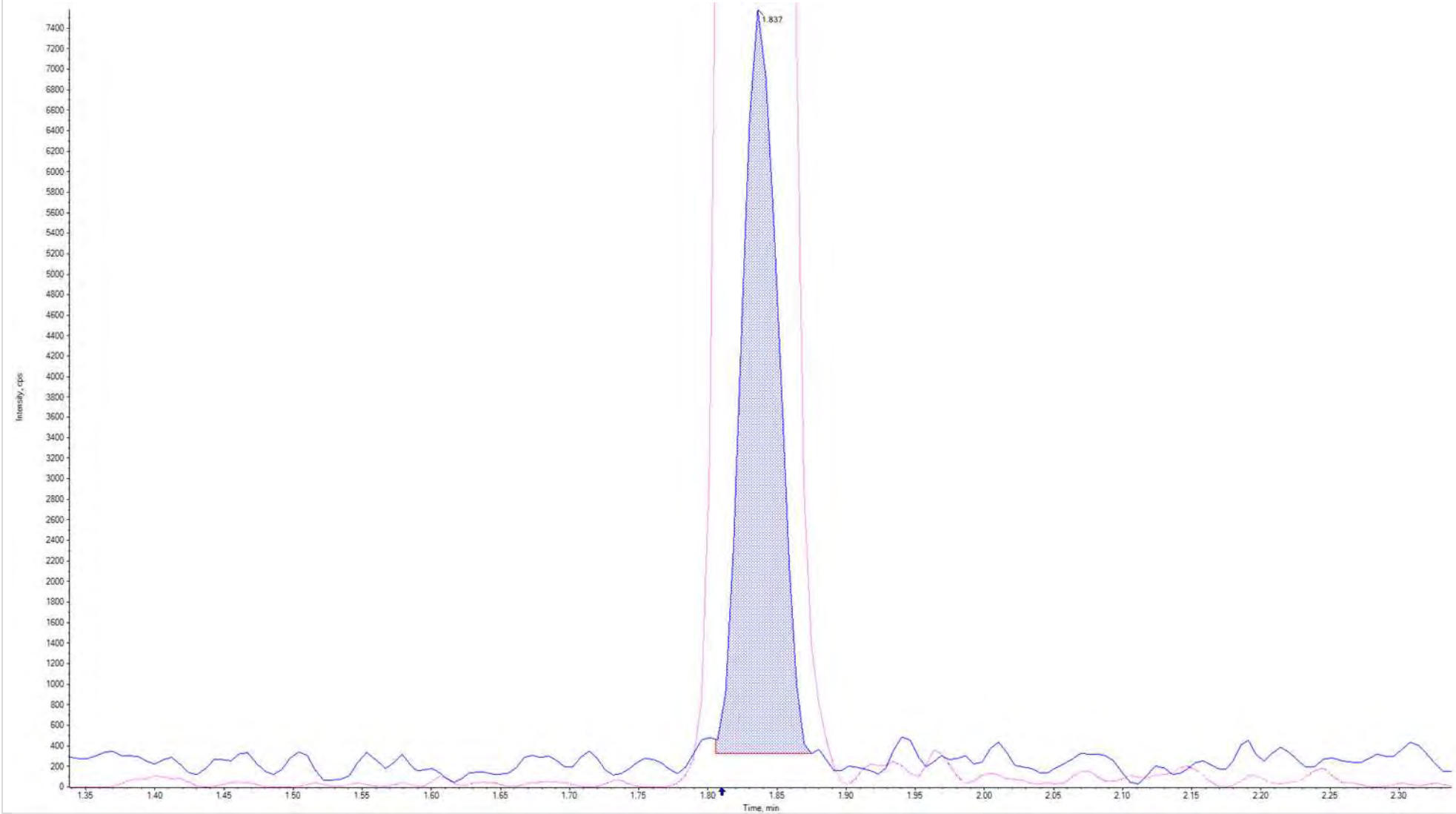
PFHxA_2
Sample: L2467934-08 S/N:181.9 Points Across peak:15



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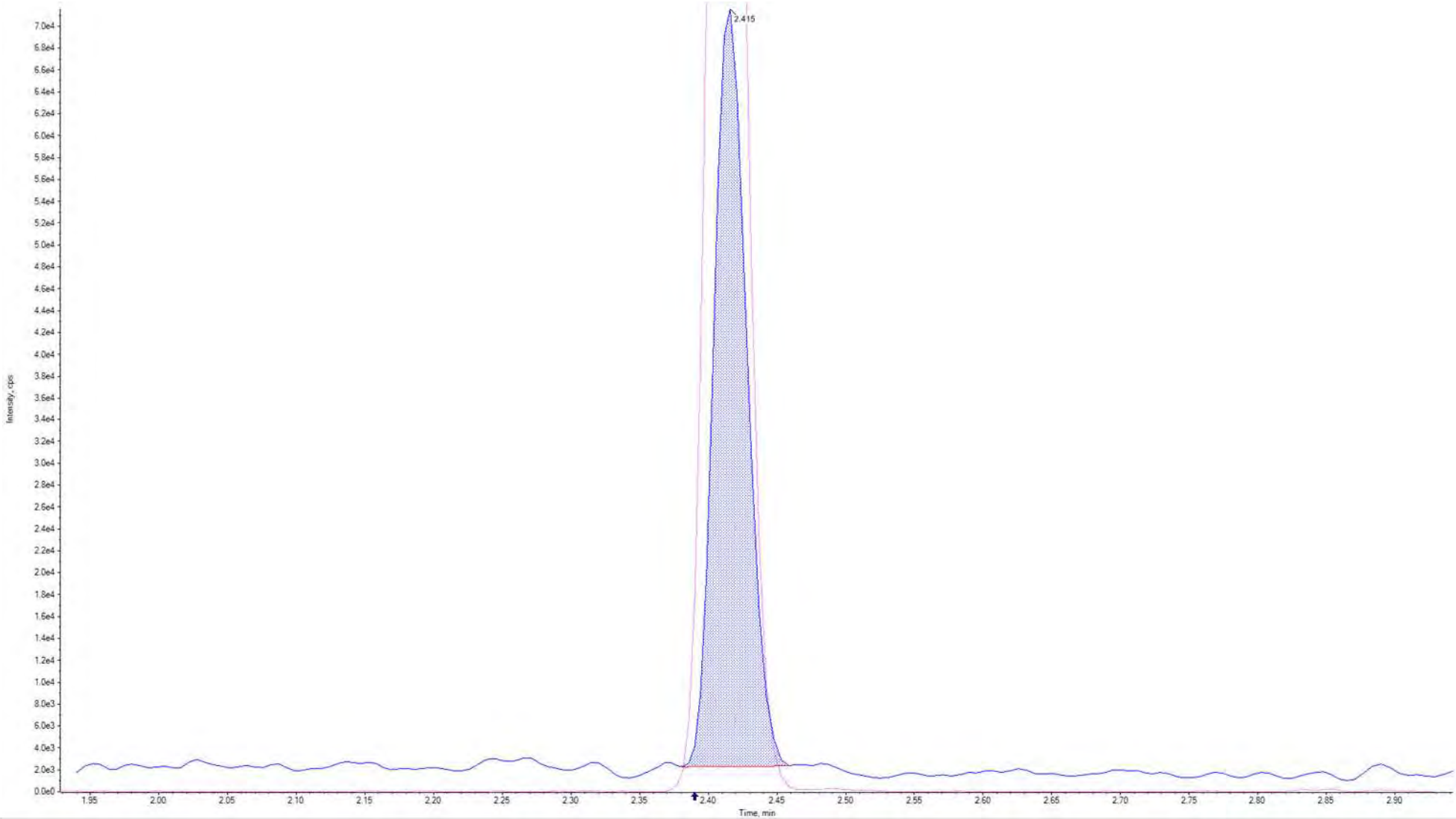
PFHpA
Sample: L2467934-08 S/N:379.2 Points Across peak:19



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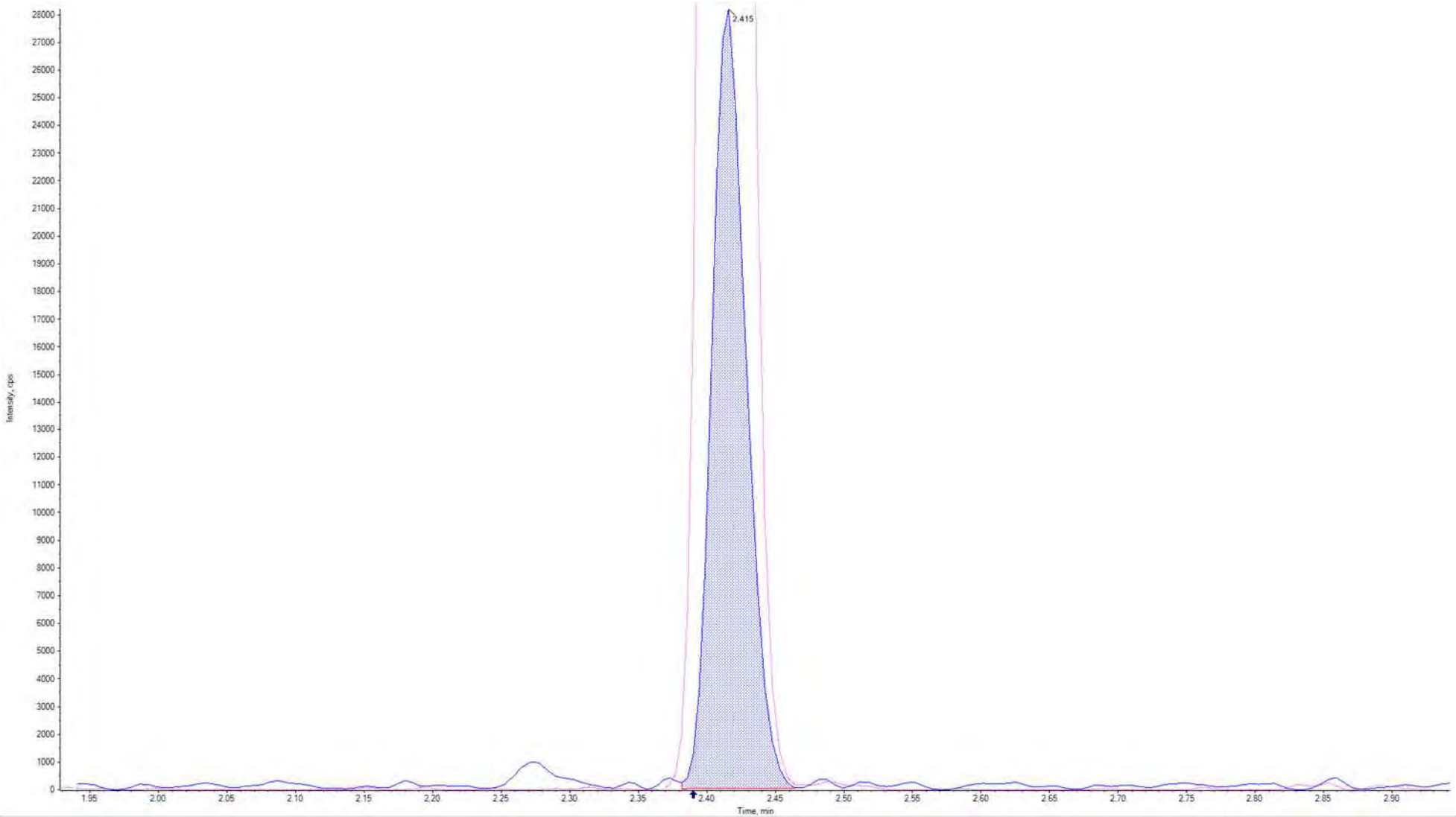
PFHpA_2
Sample: L2467934-08 S/N:564.5 Points Across peak:19



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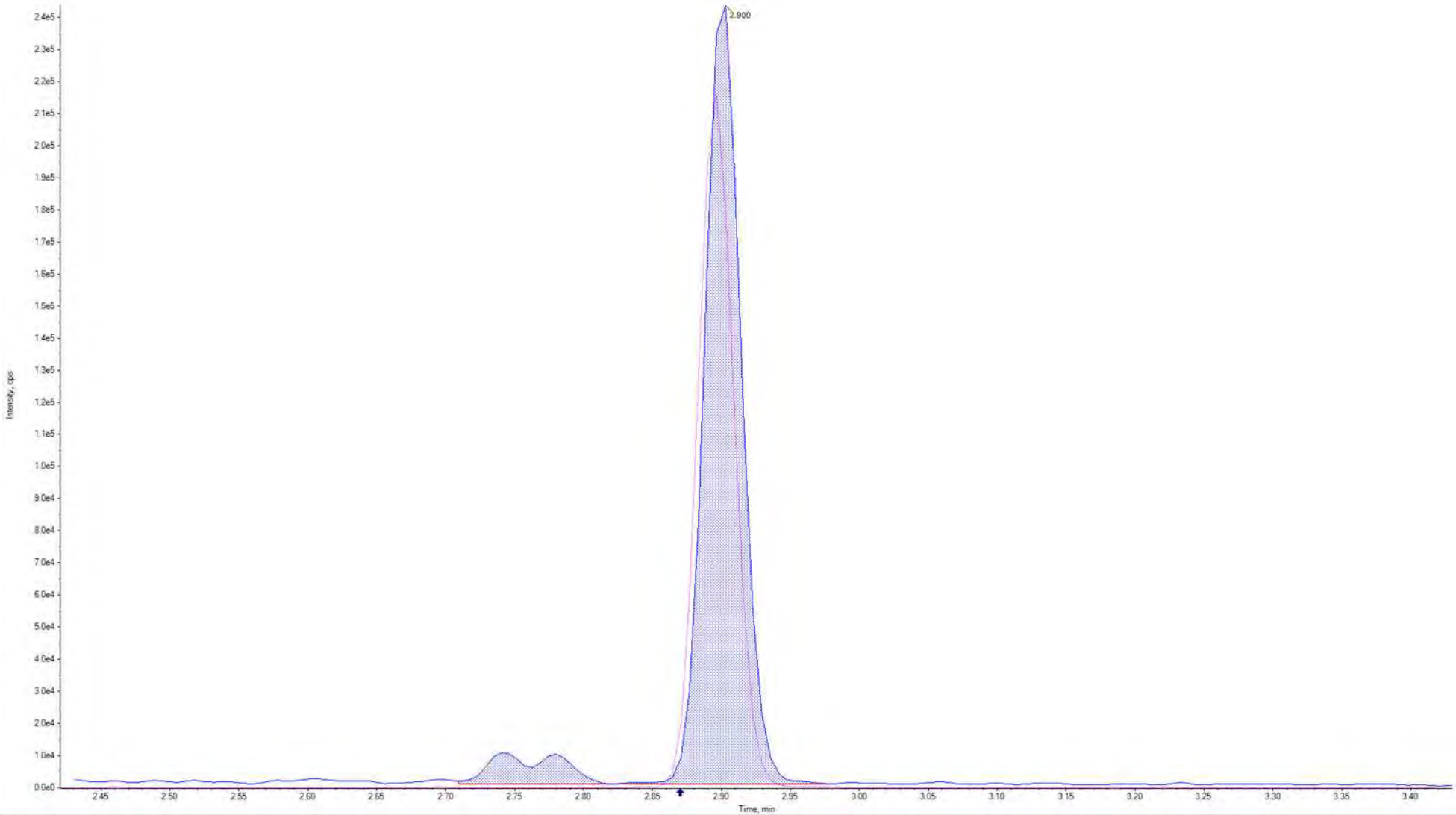
PFOA
Sample: L2467934-08 S/N:510.4 Points Across peak:48



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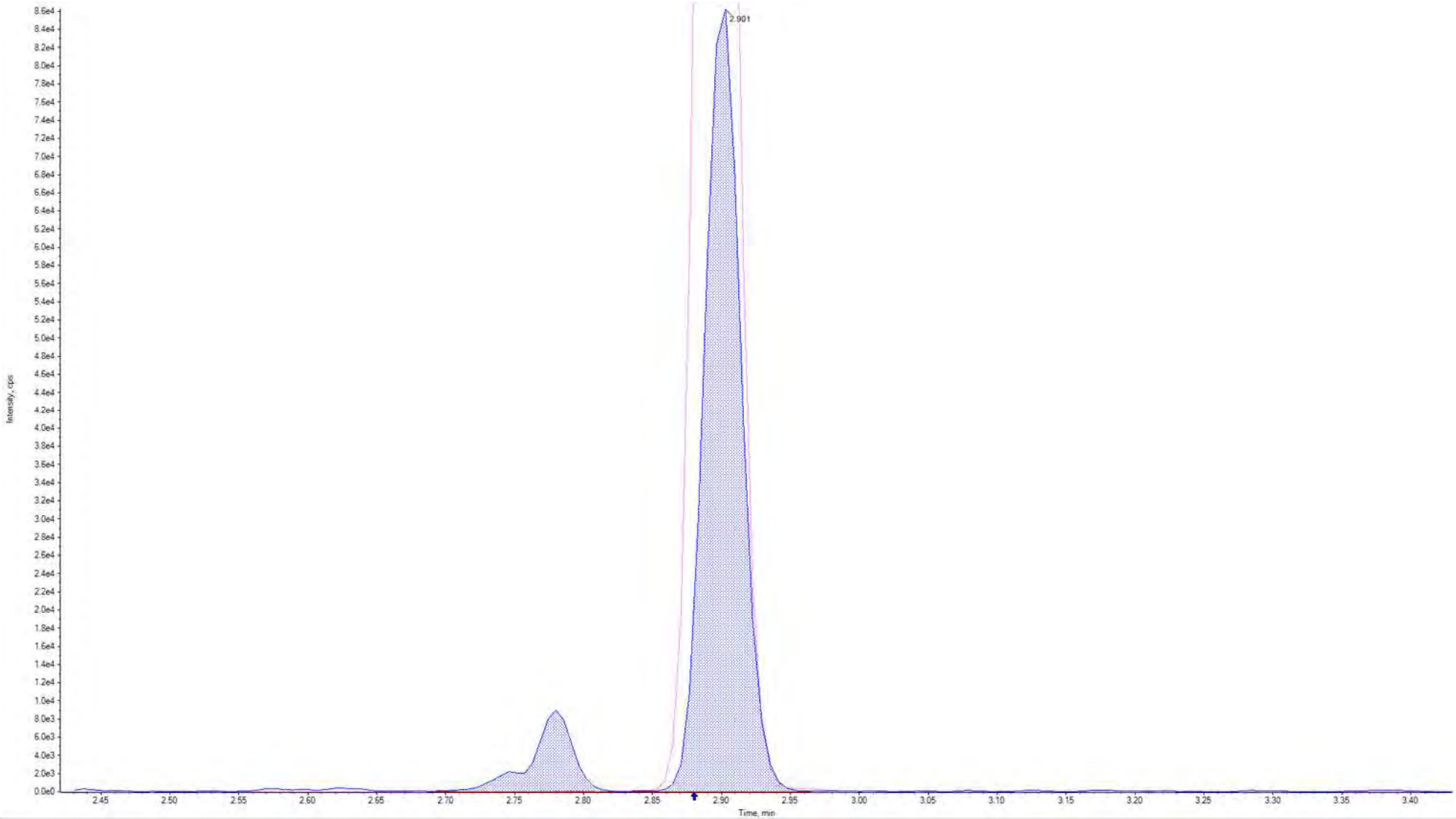
PFOA_2
Sample: L2467934-08 S/N:815.3 Points Across peak:49



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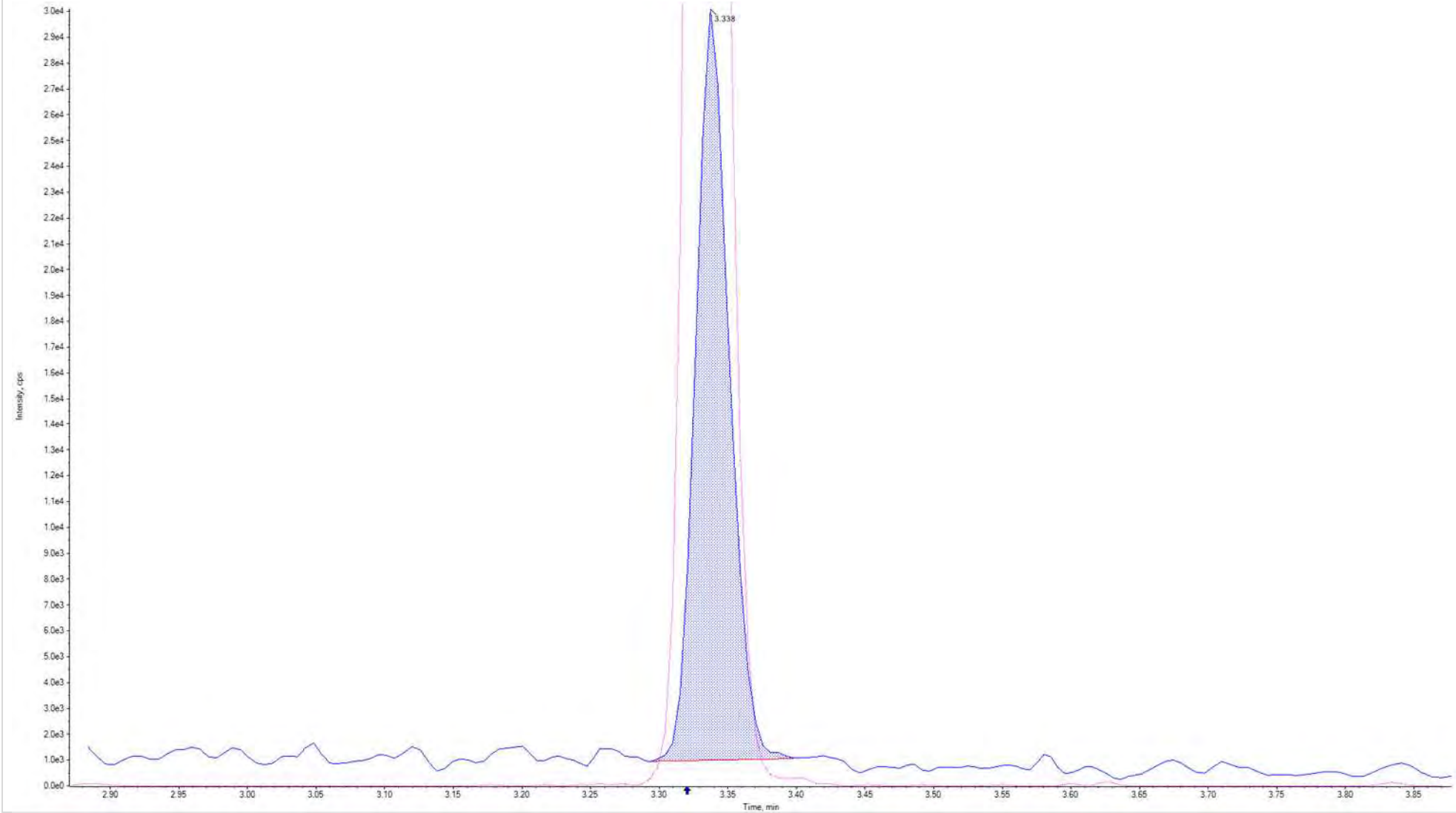
PFNA
Sample: L2467934-08 S/N:184.0 Points Across peak:22



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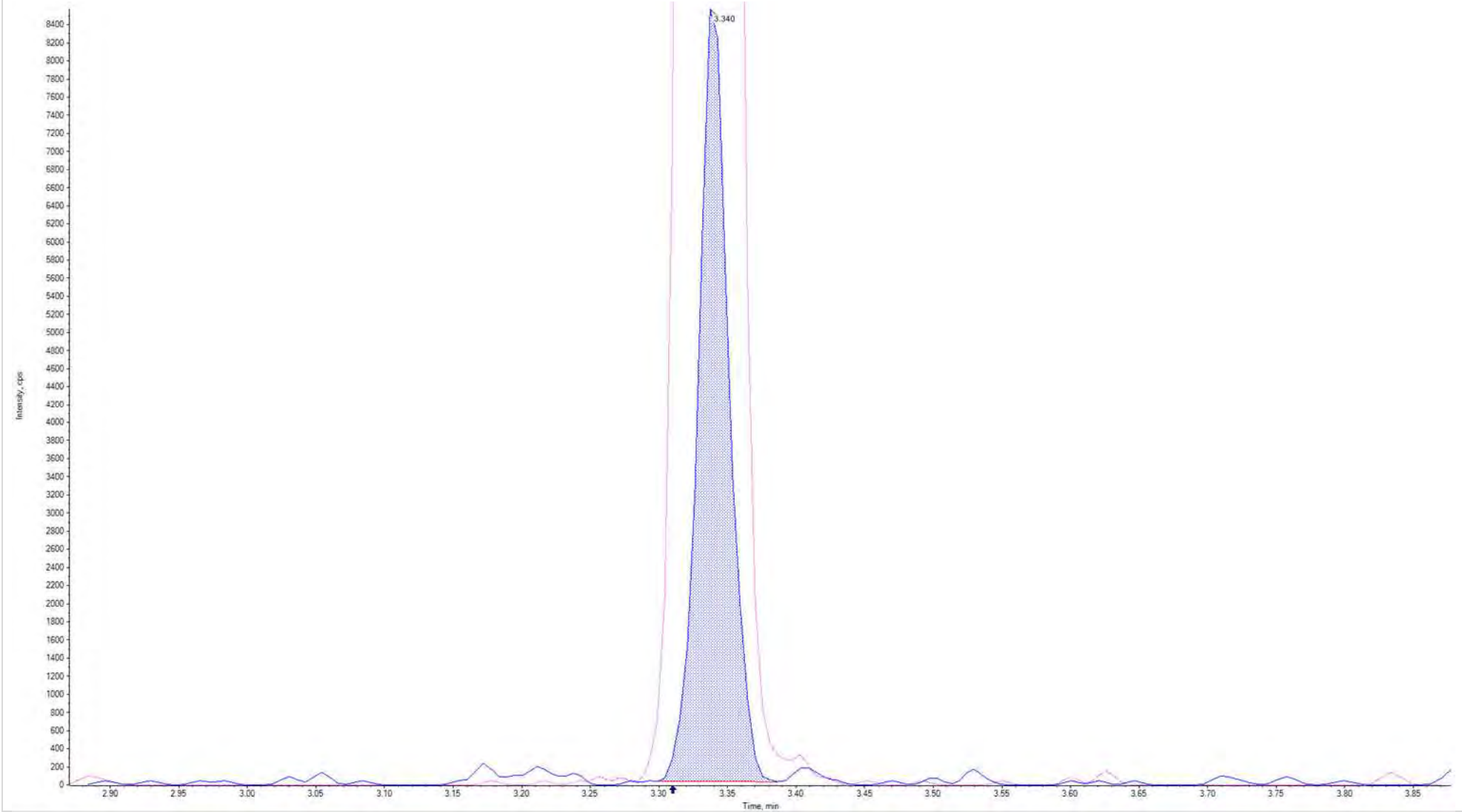
PFNA_2
Sample: L2467934-08 S/N:192.6 Points Across peak:17



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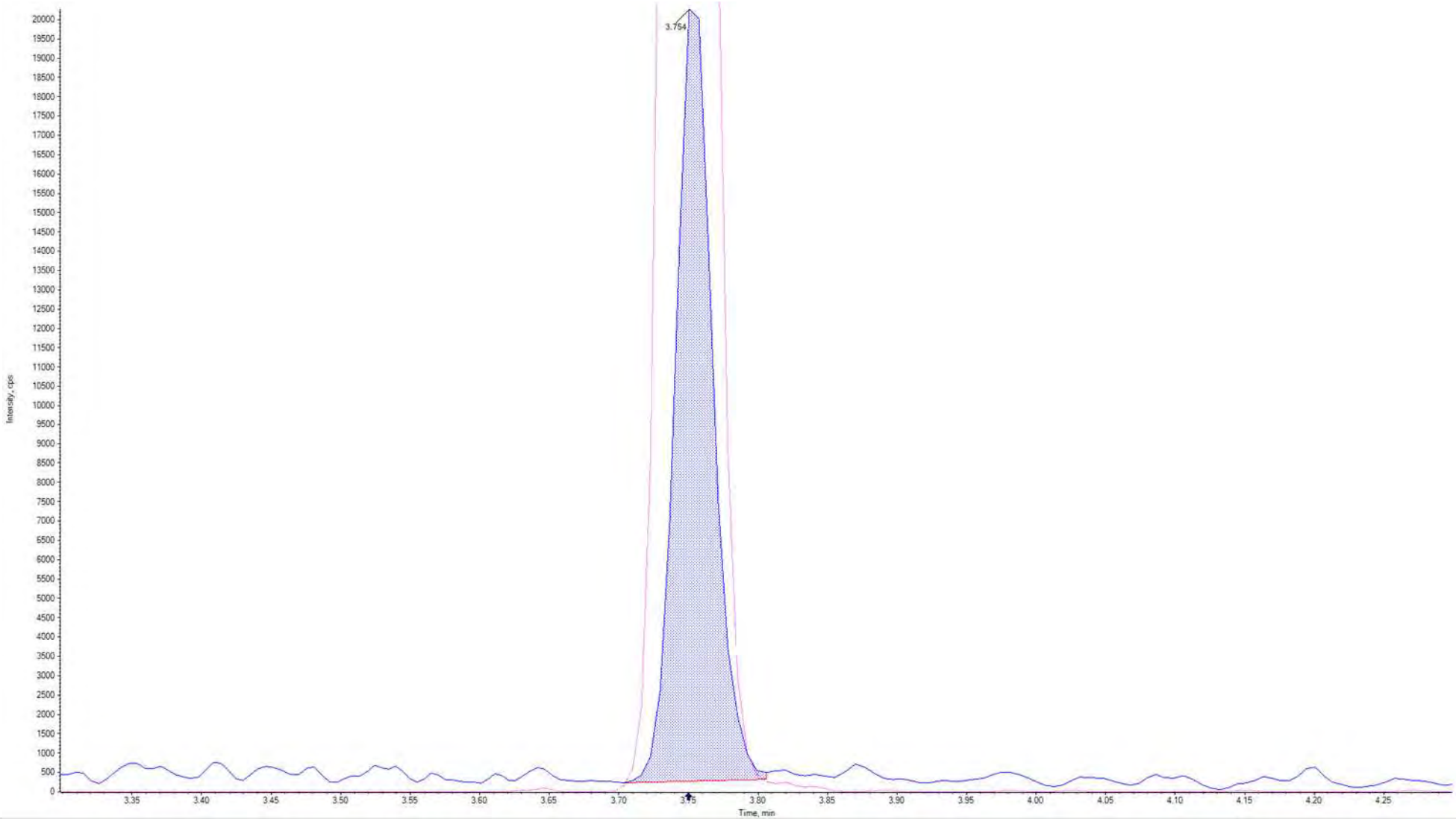
PFDA
Sample: L2467934-08 S/N:387.9 Points Across peak:16



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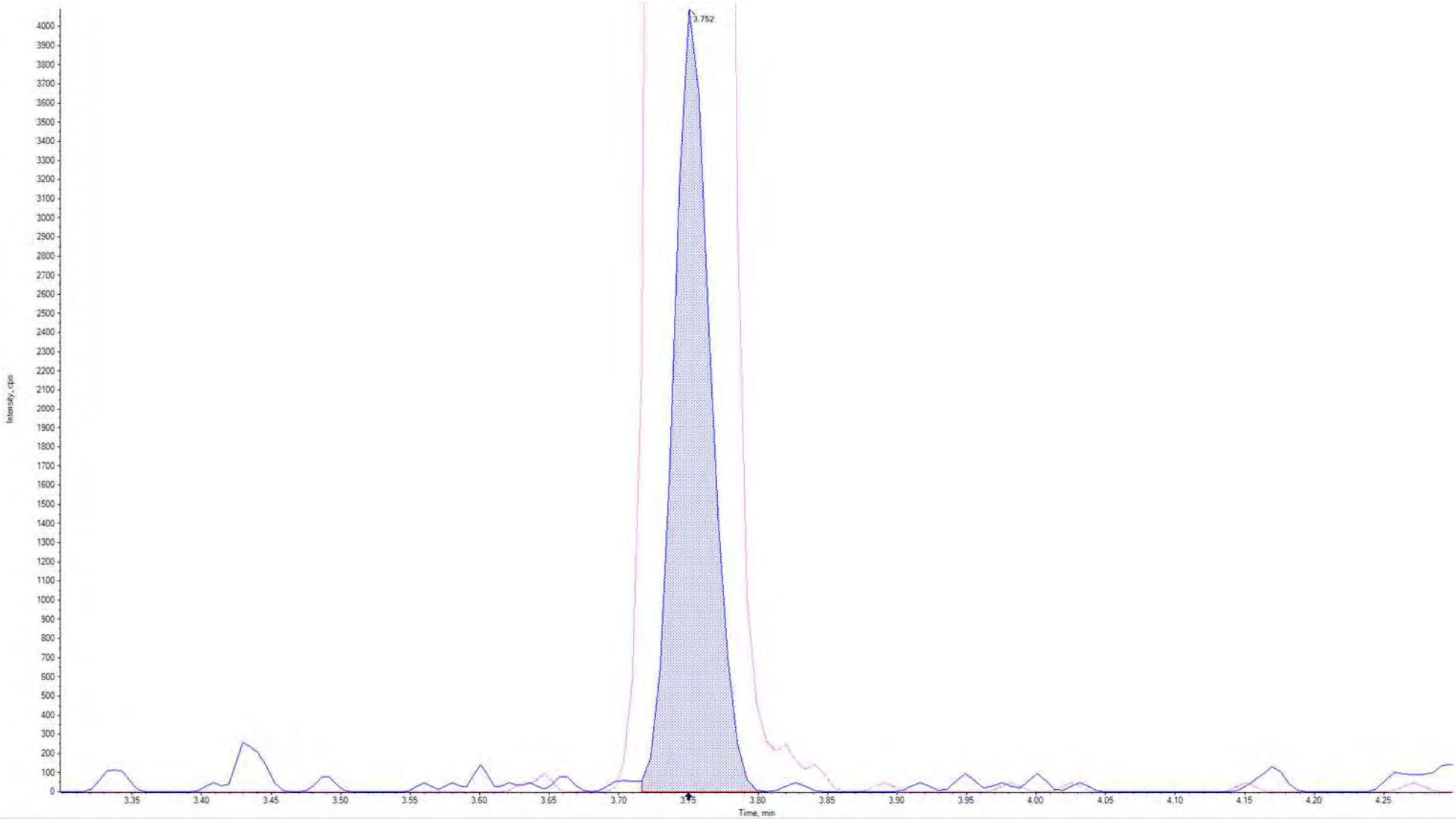
PFDA_2
Sample: L2467934-08 S/N:82.0 Points Across peak:14



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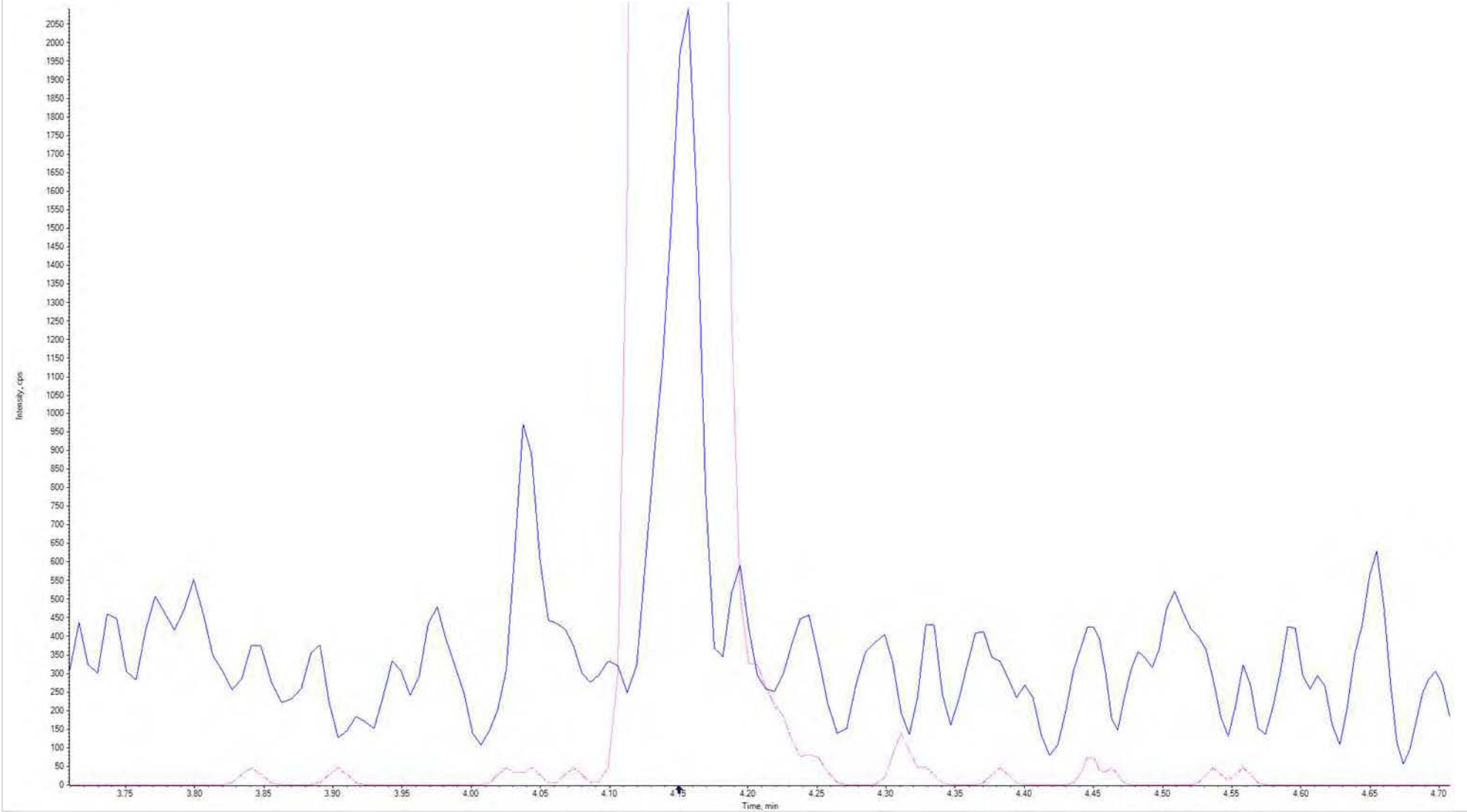
PFUnA
Sample: L2467934-08 S/N:N/A Points Across peak:N/A



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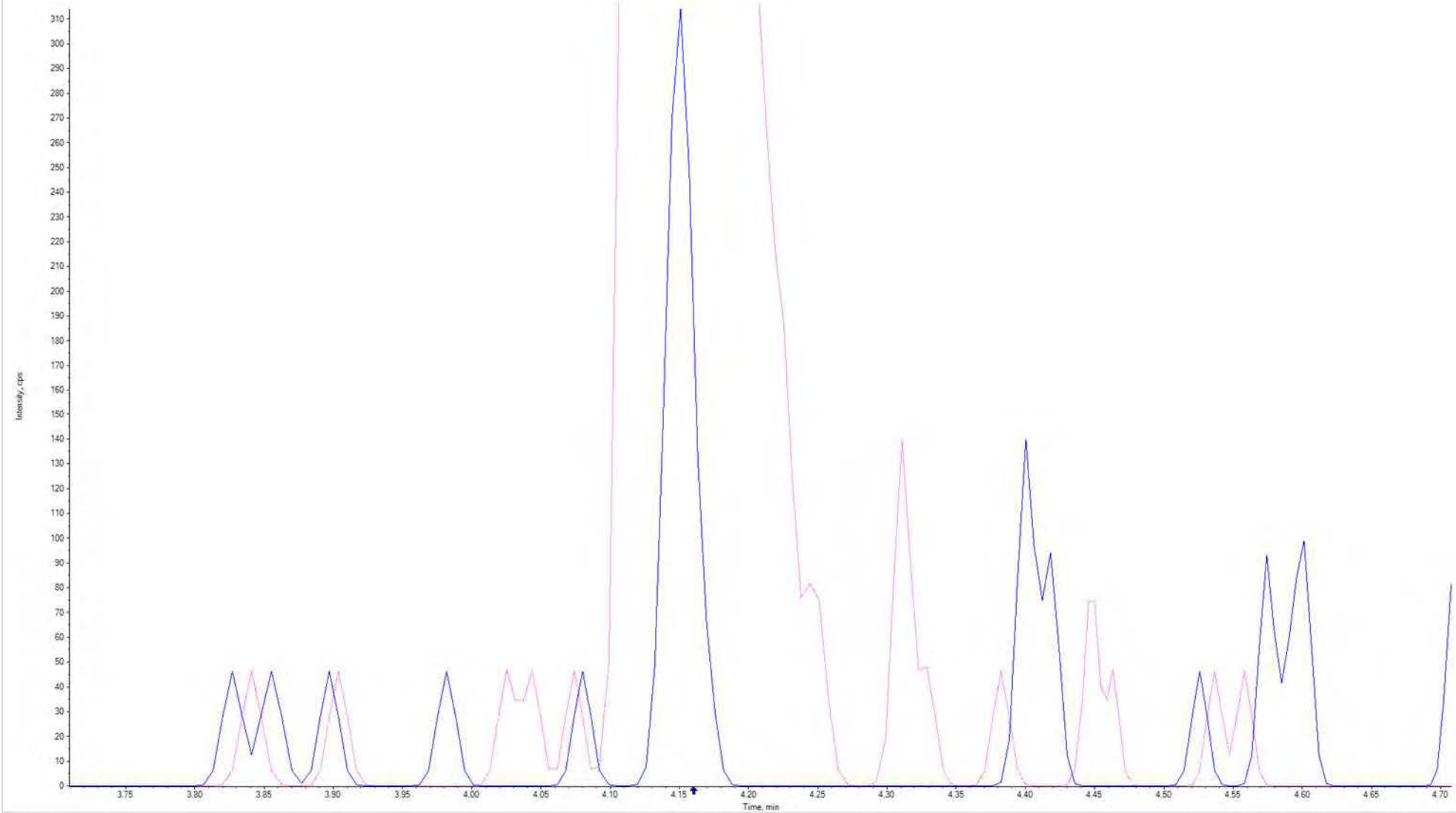
PFUnA_2
Sample: L2467934-08 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_27.wiff2_12
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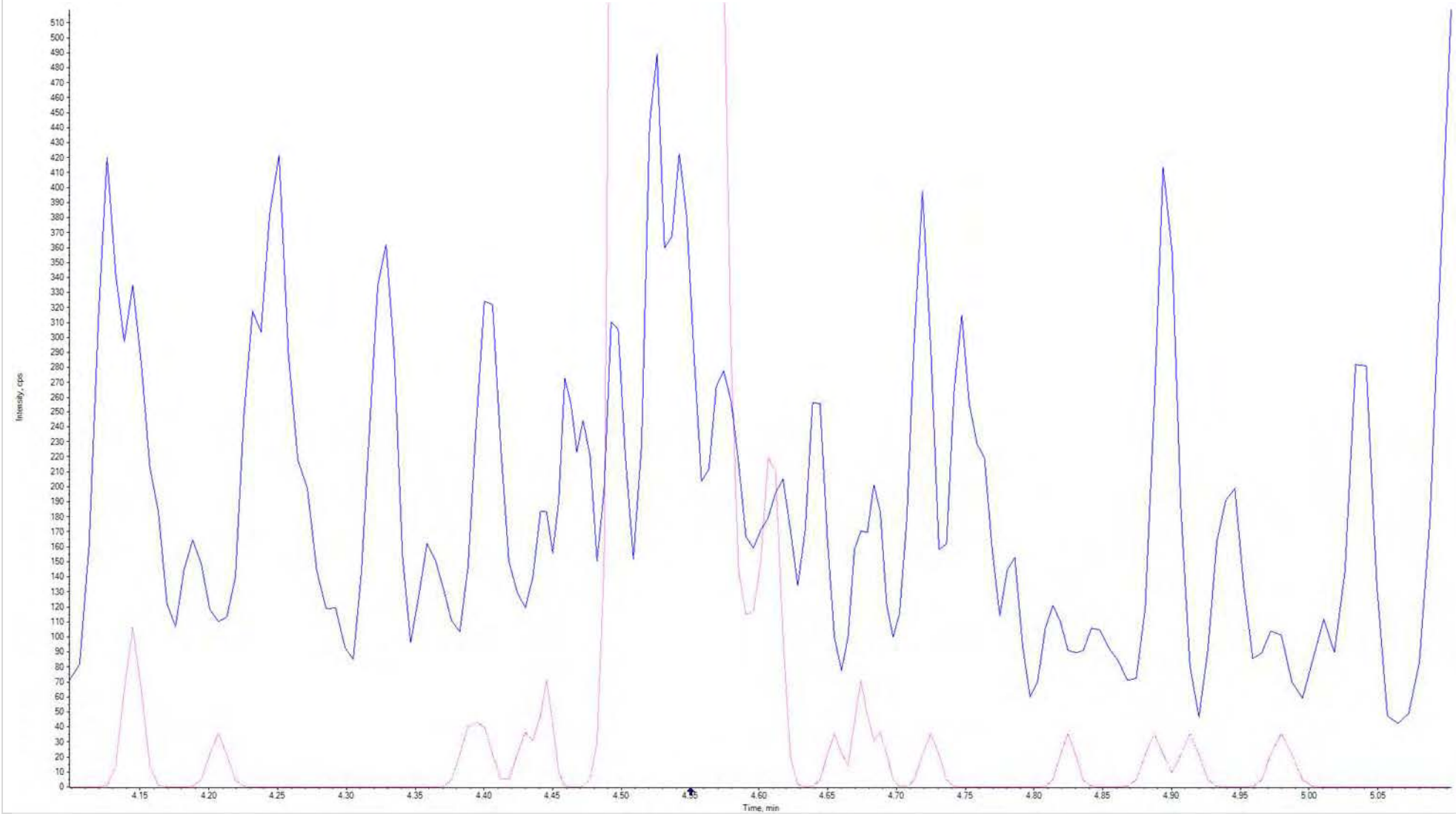
Generated: 12/23/2024 2:36:12 PM

PFDoA
Sample: L2467934-08 S/N:N/A Points Across peak:N/A



PFDoA_2
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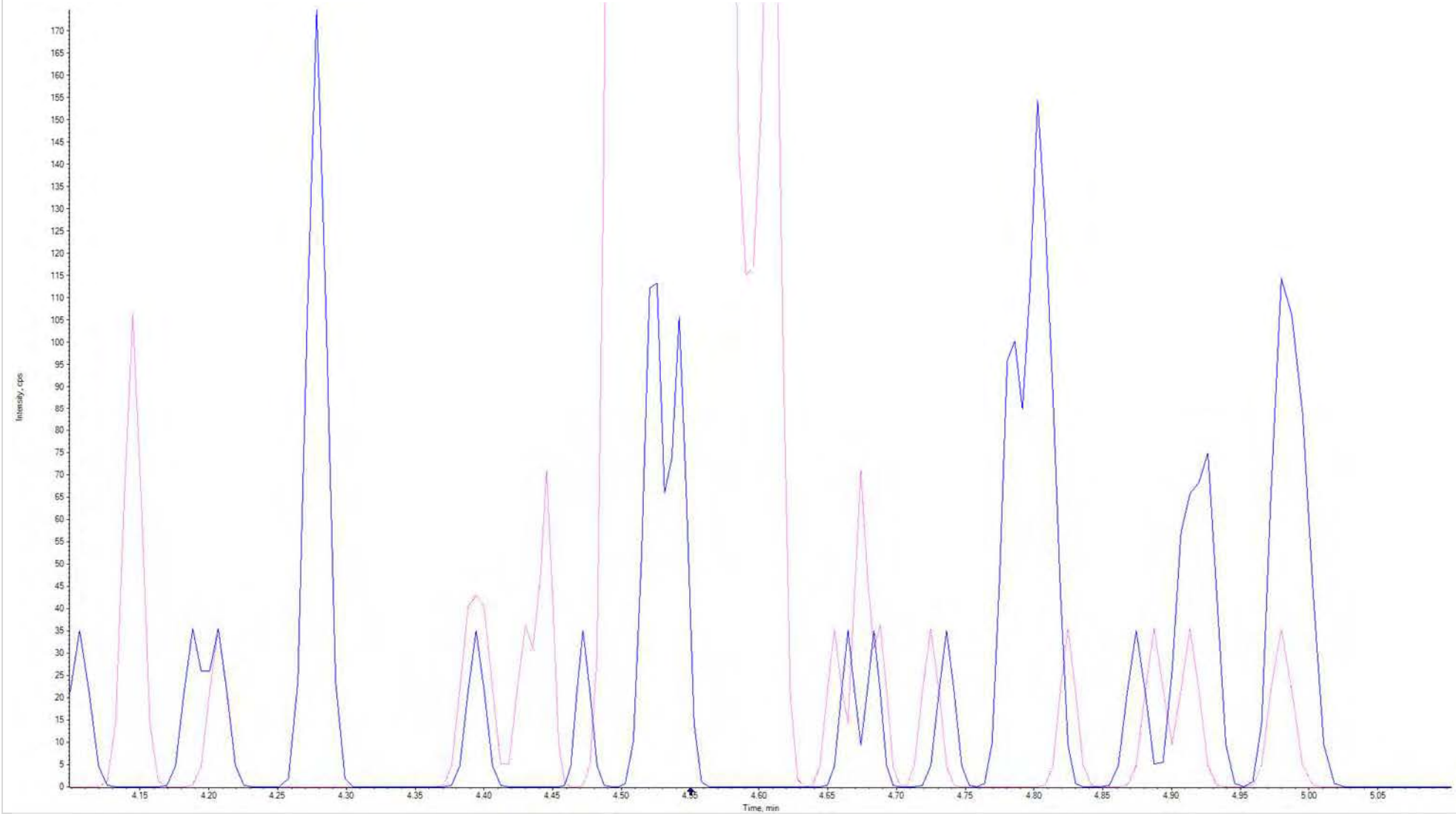

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Alpha Analytical LLC
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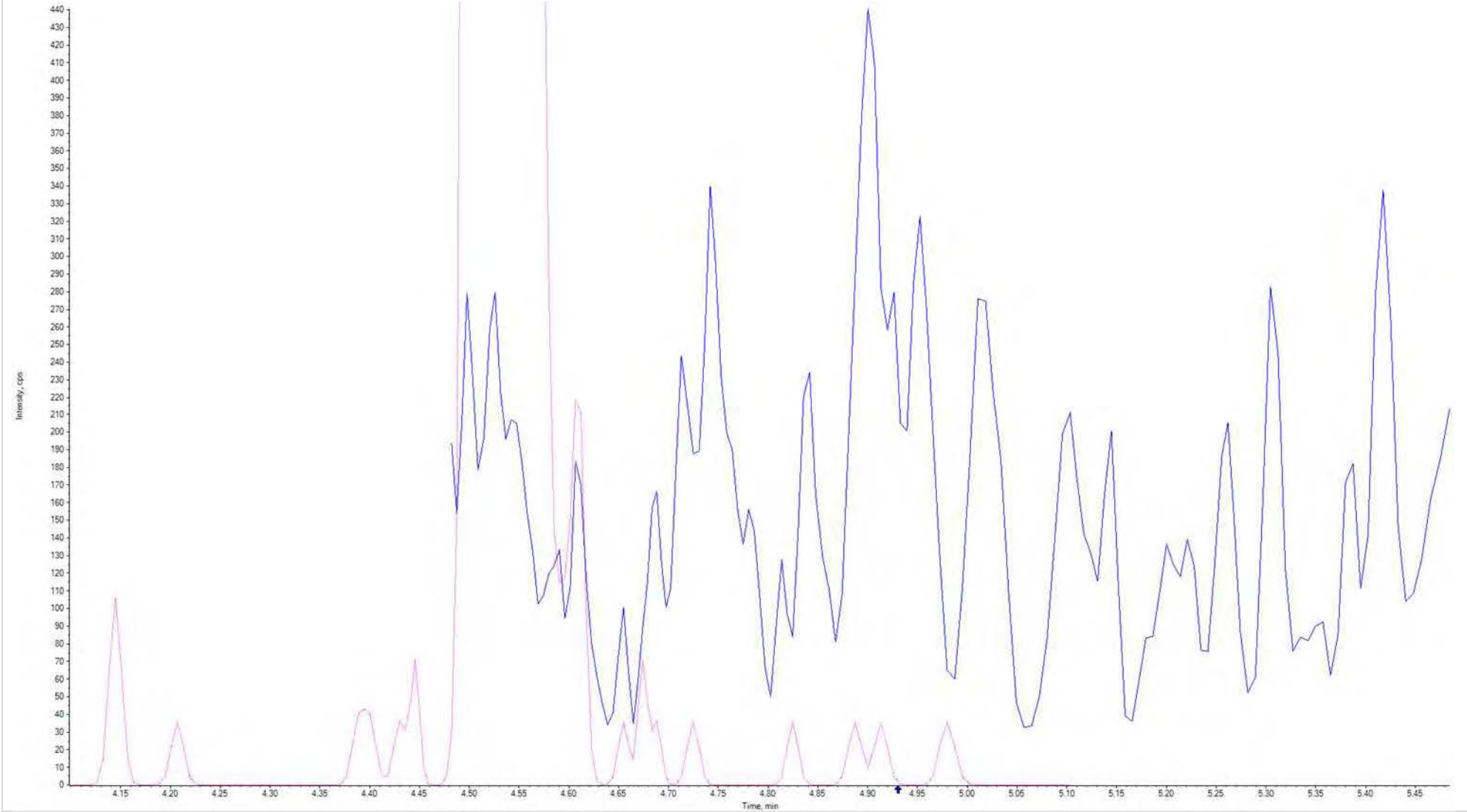
PFTrDA
Sample: L2467934-08 S/N:N/A Points Across peak:N/A



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PFTrDA_2
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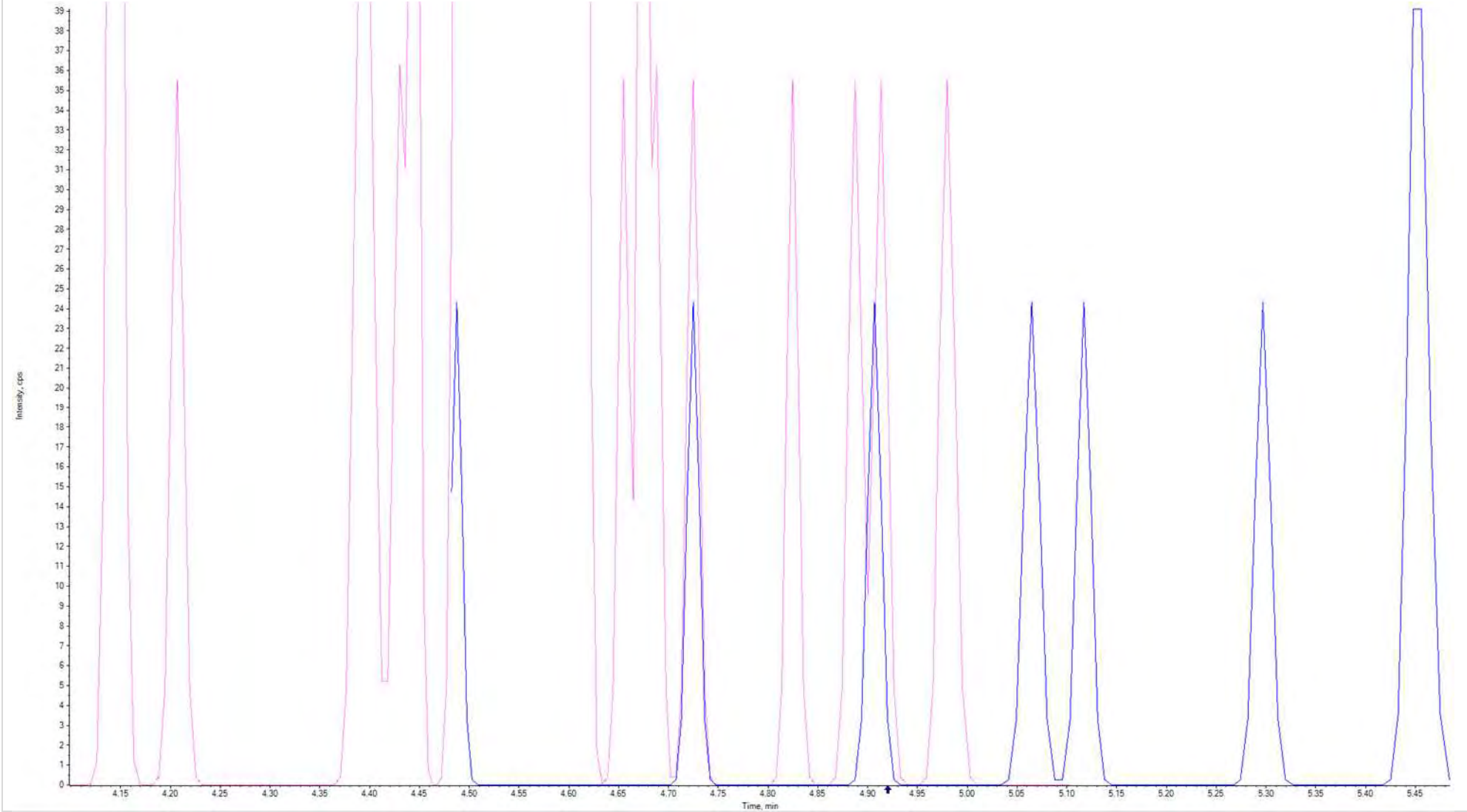
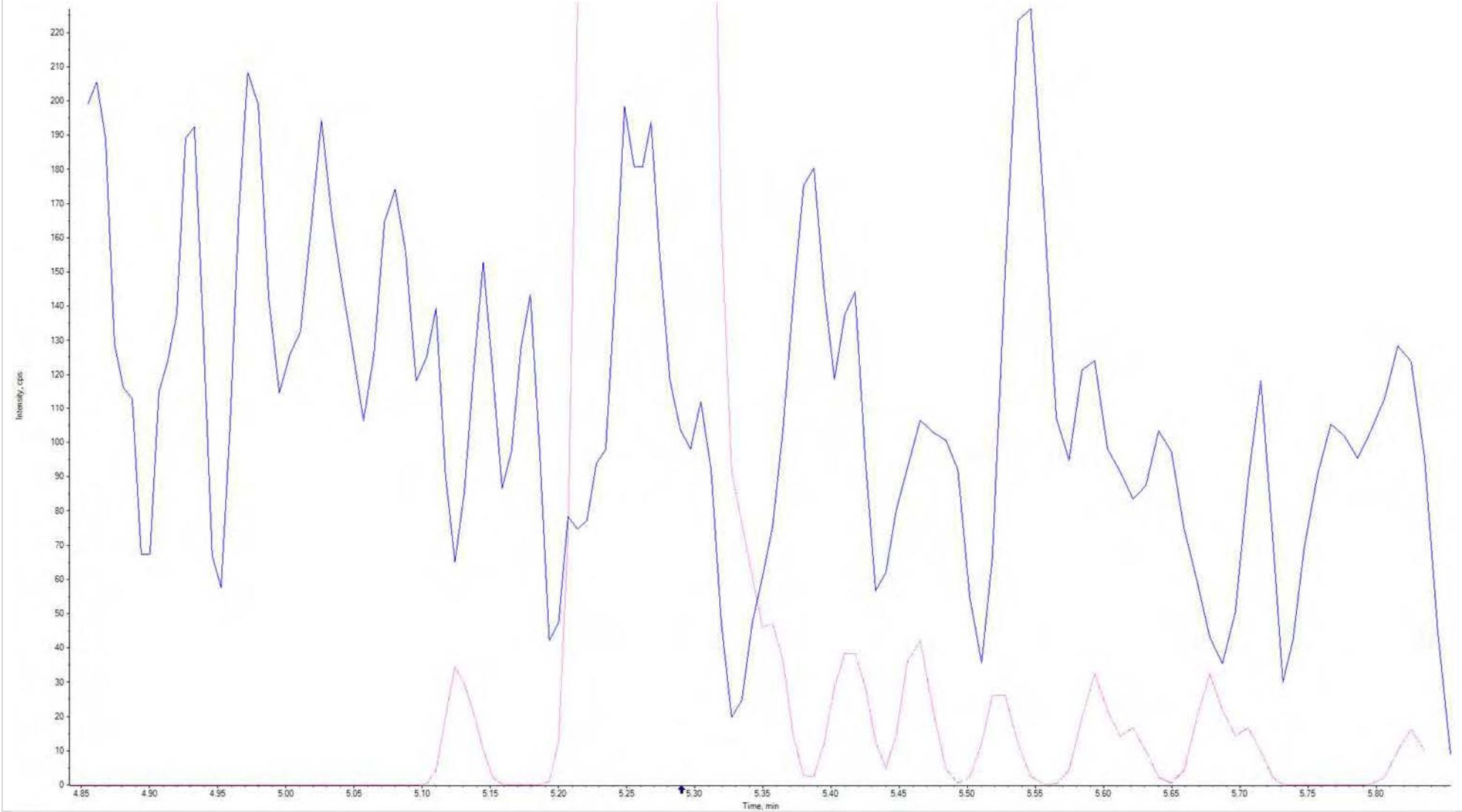
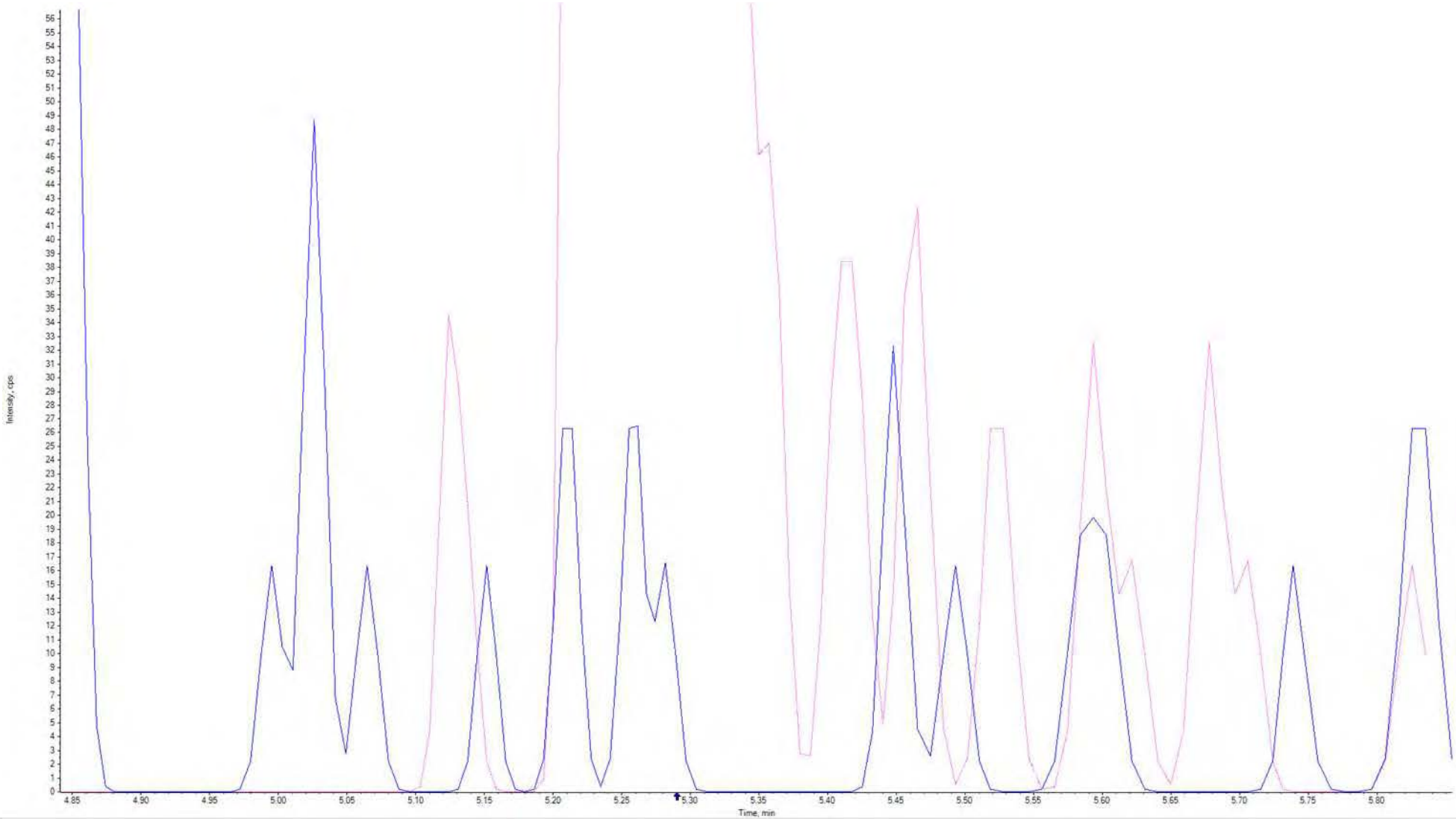


PFTeDA
Sample: L2467934-08 S/N:N/A Points Across peak:N/A



PFTeDA_2
Sample: L2467934-08 S/N:N/A Points Across peak:N/A



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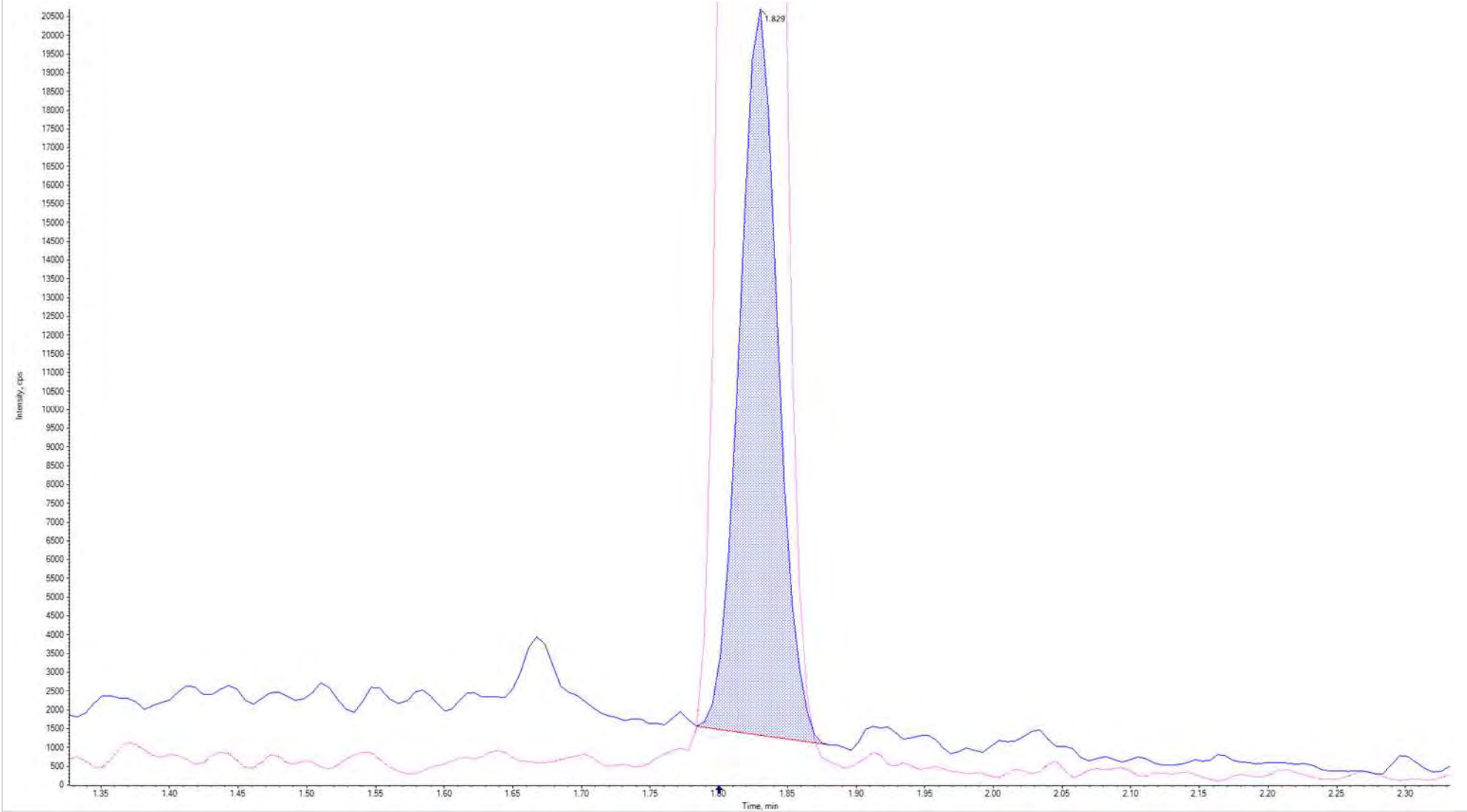
PFBS
Sample: L2467934-08 S/N:310.7 Points Across peak:18



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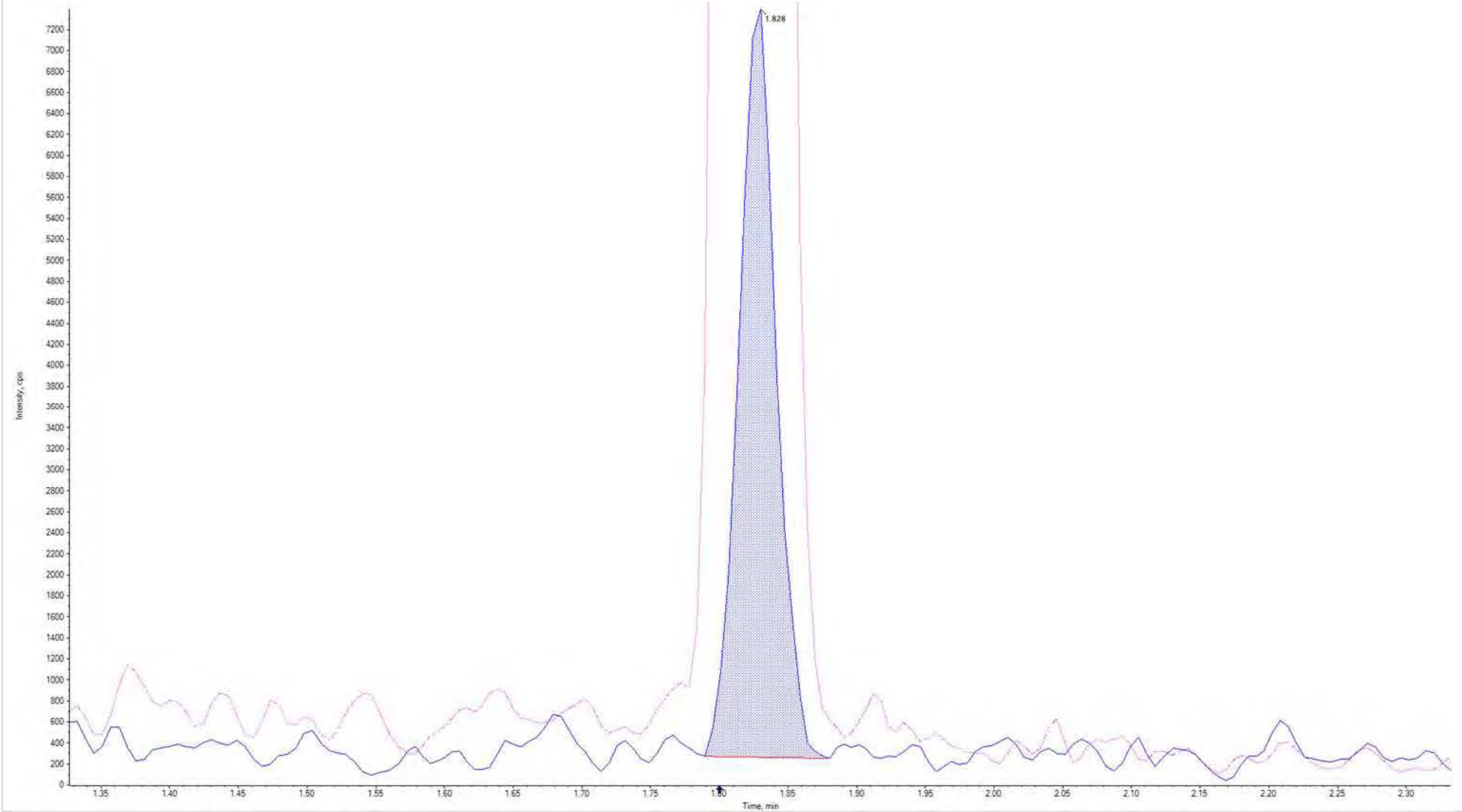
PFBS_2
Sample: L2467934-08 S/N:178.8 Points Across peak:17



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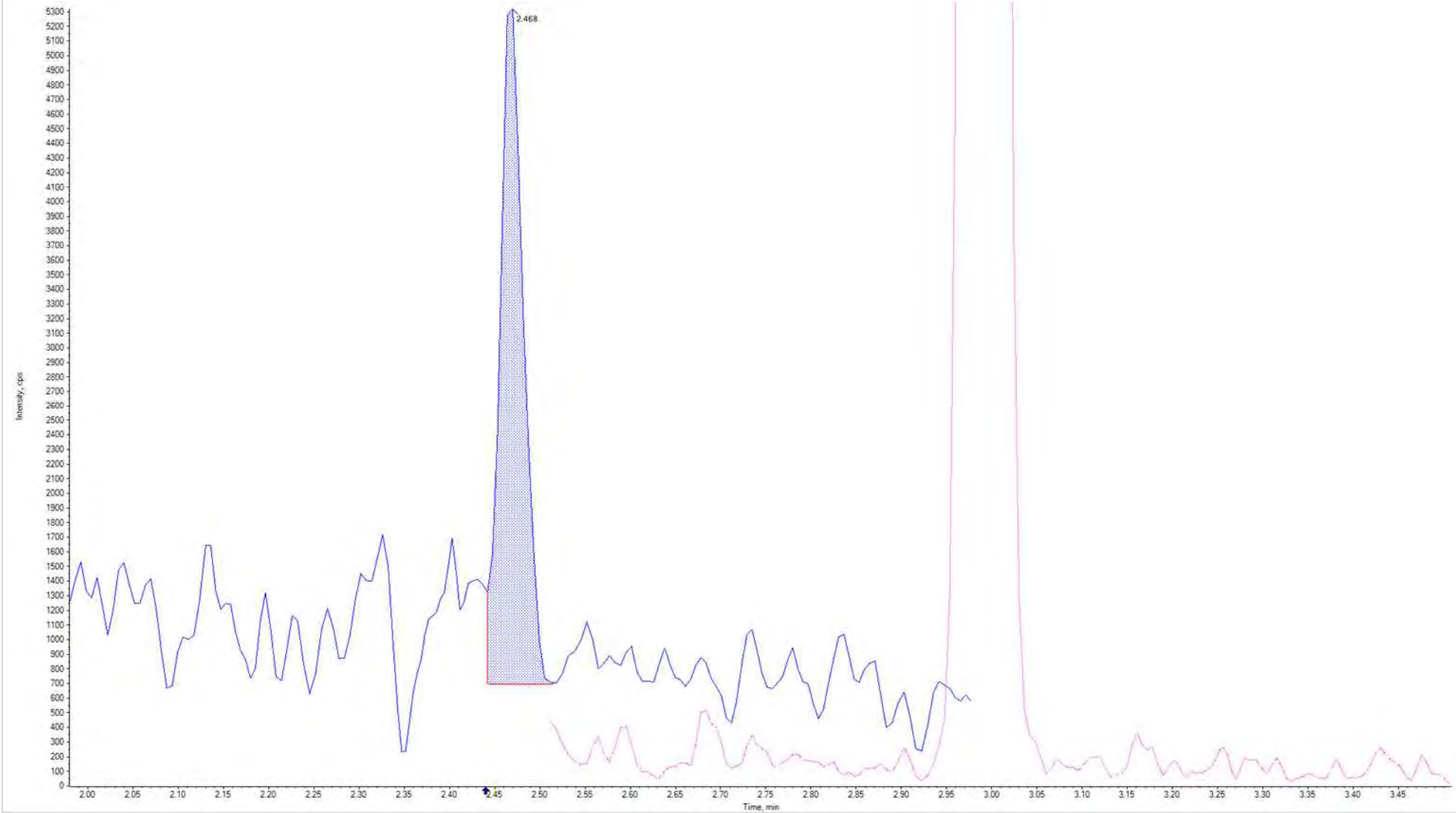
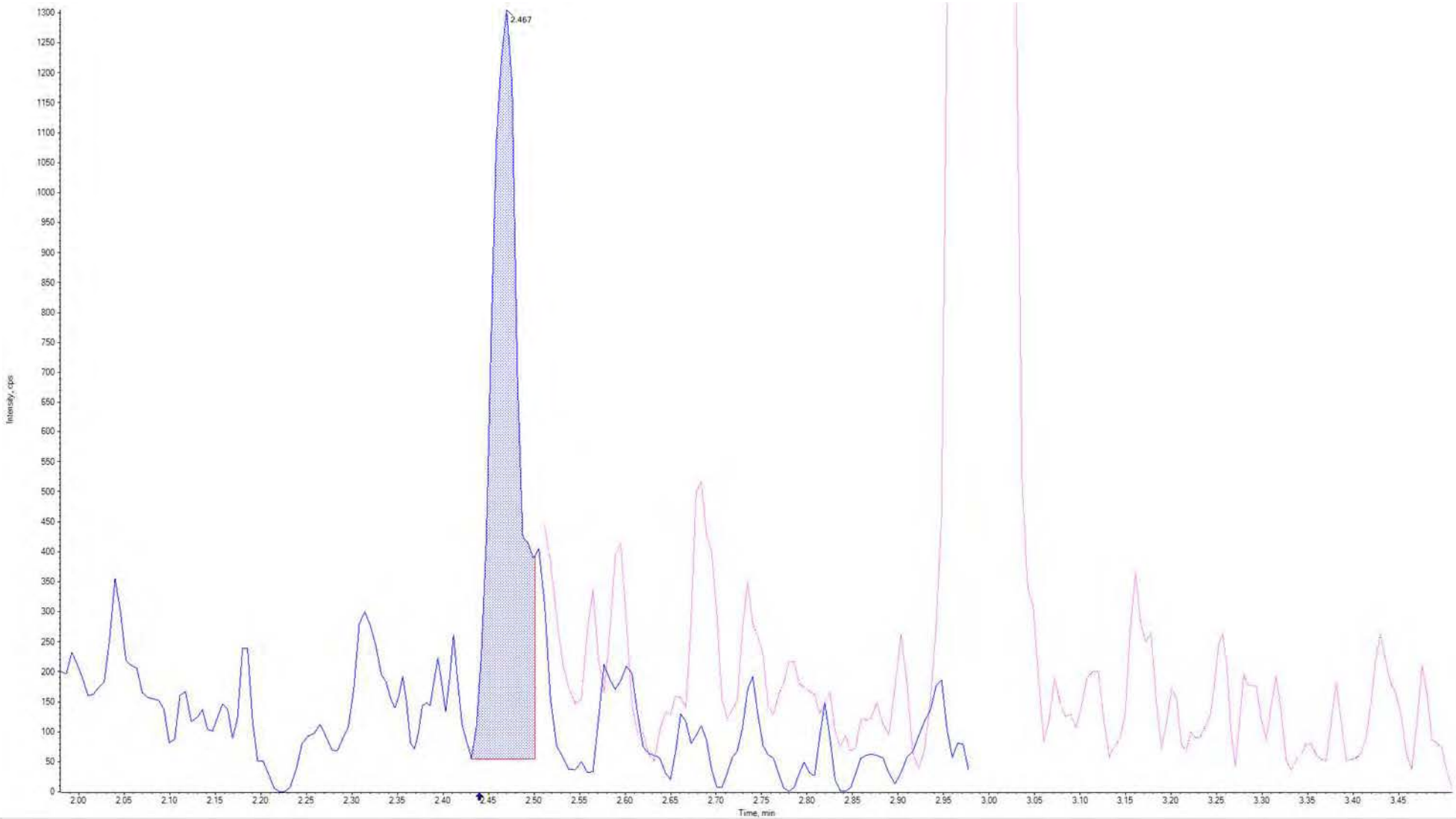
Generated: 12/23/2024 2:36:12 PM

PFPeS
Sample: L2467934-08 S/N:70.0 Points Across peak:15



PFPeS_2
Sample: L2467934-08 S/N:25.1 Points Across peak:15



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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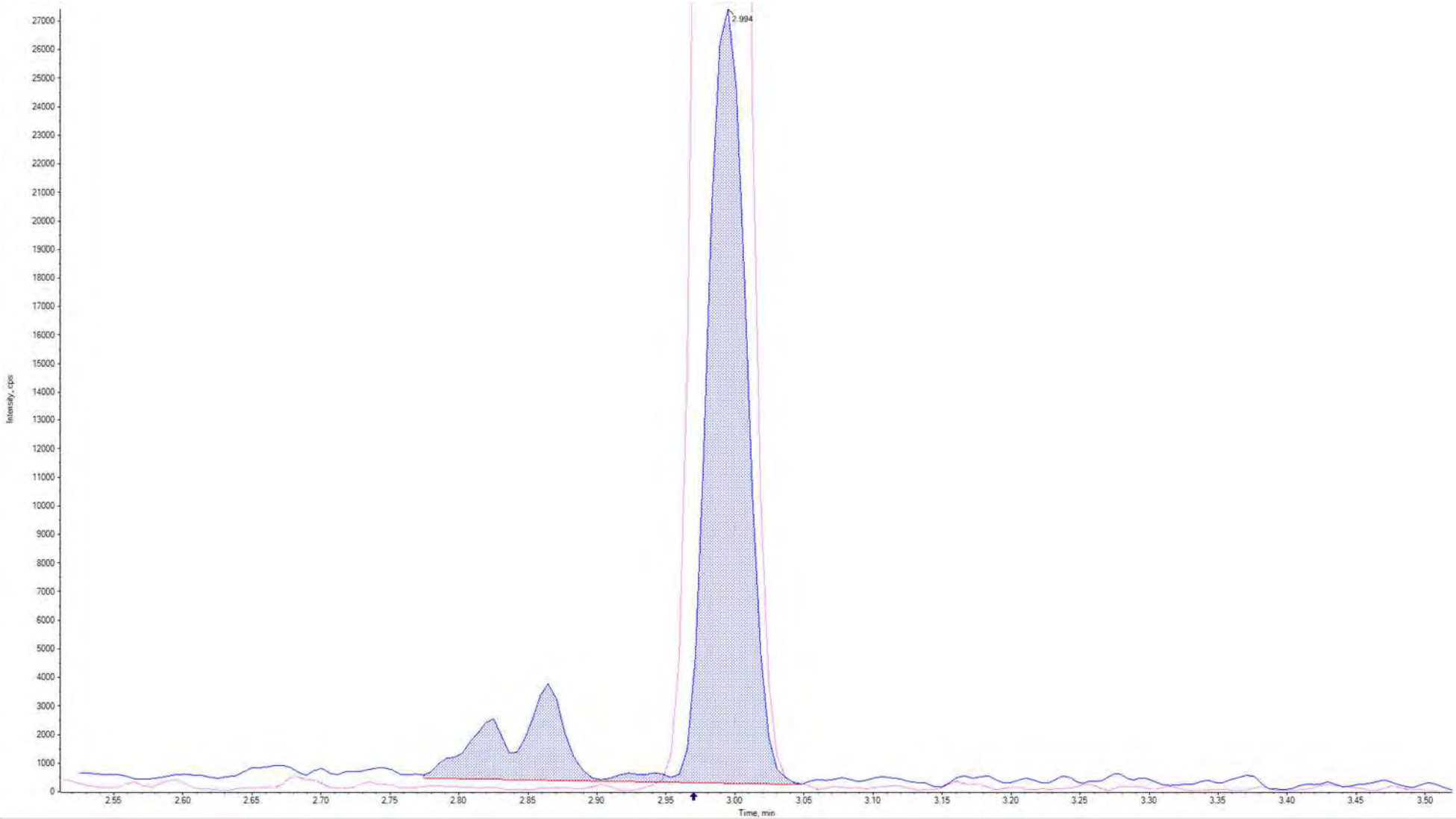
PFHxS
Sample: L2467934-08 S/N:206.7 Points Across peak:47



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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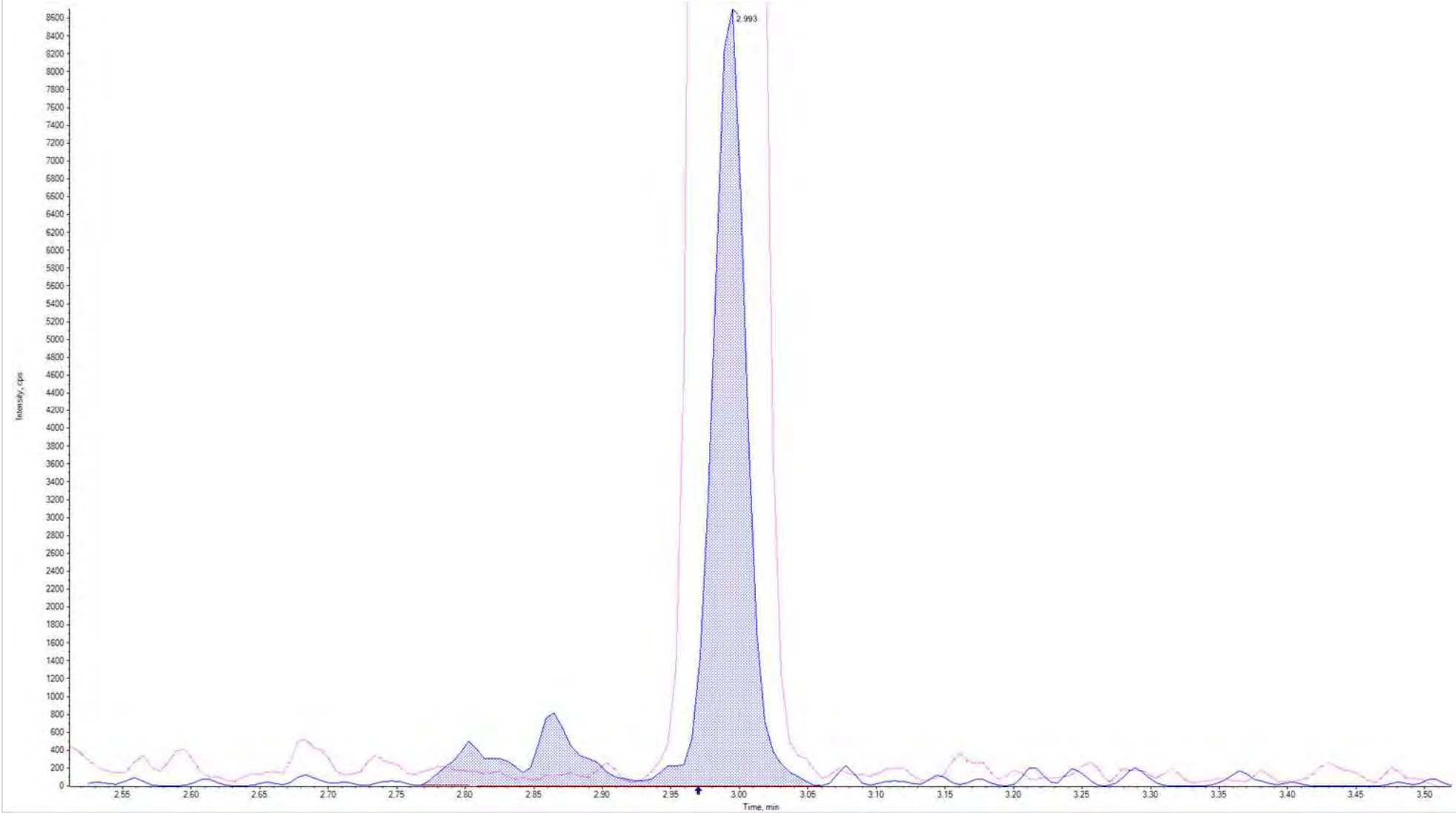
PFHxS_2
Sample: L2467934-08 S/N:185.0 Points Across peak:51



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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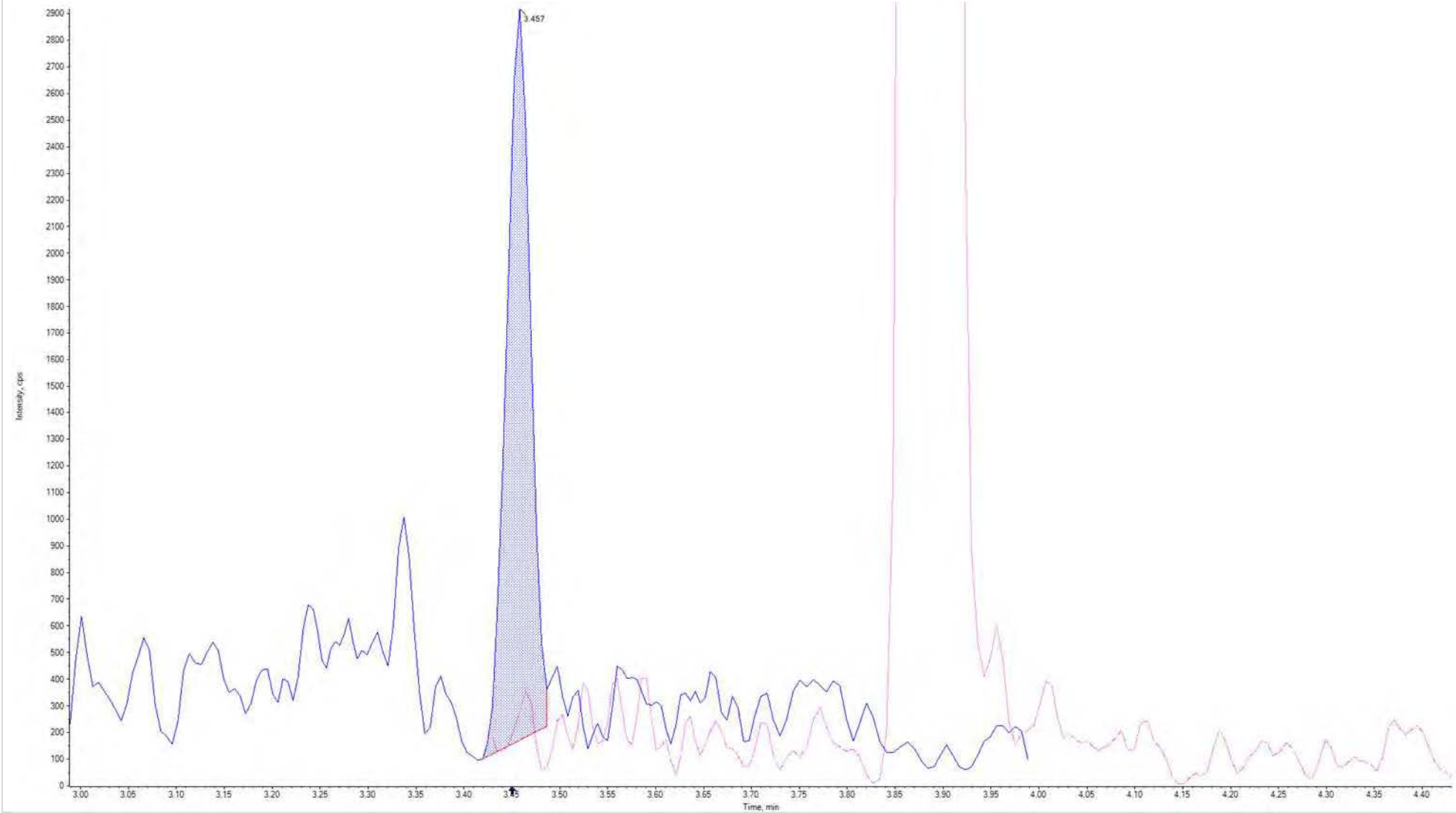
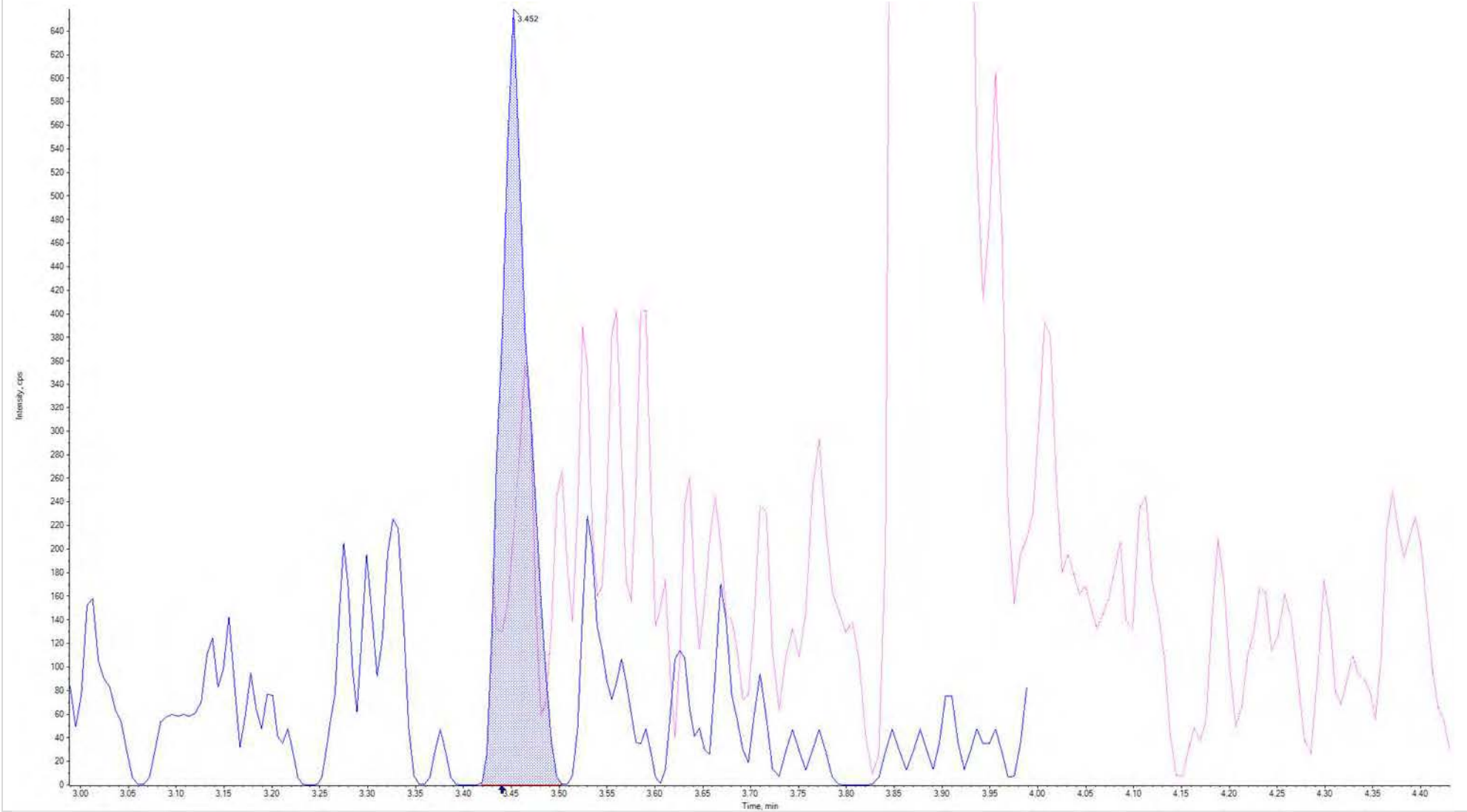
PFHpS
Sample: L2467934-08 S/N:55.0 Points Across peak:13



PFHpS_2
Sample: L2467934-08 S/N:13.2 Points Across peak:17



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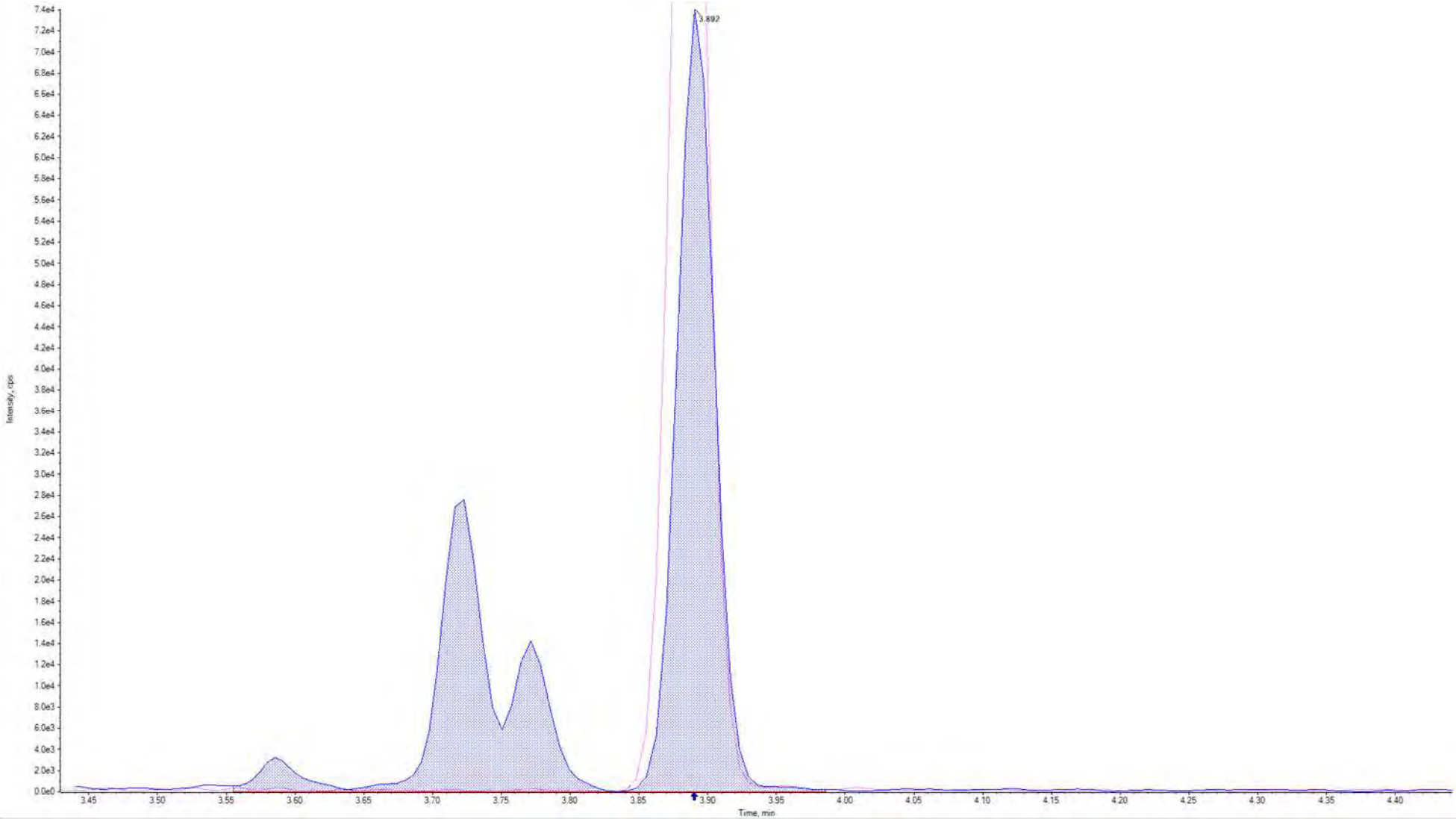
PFOS
Sample: L2467934-08 S/N:247.7 Points Across peak:71



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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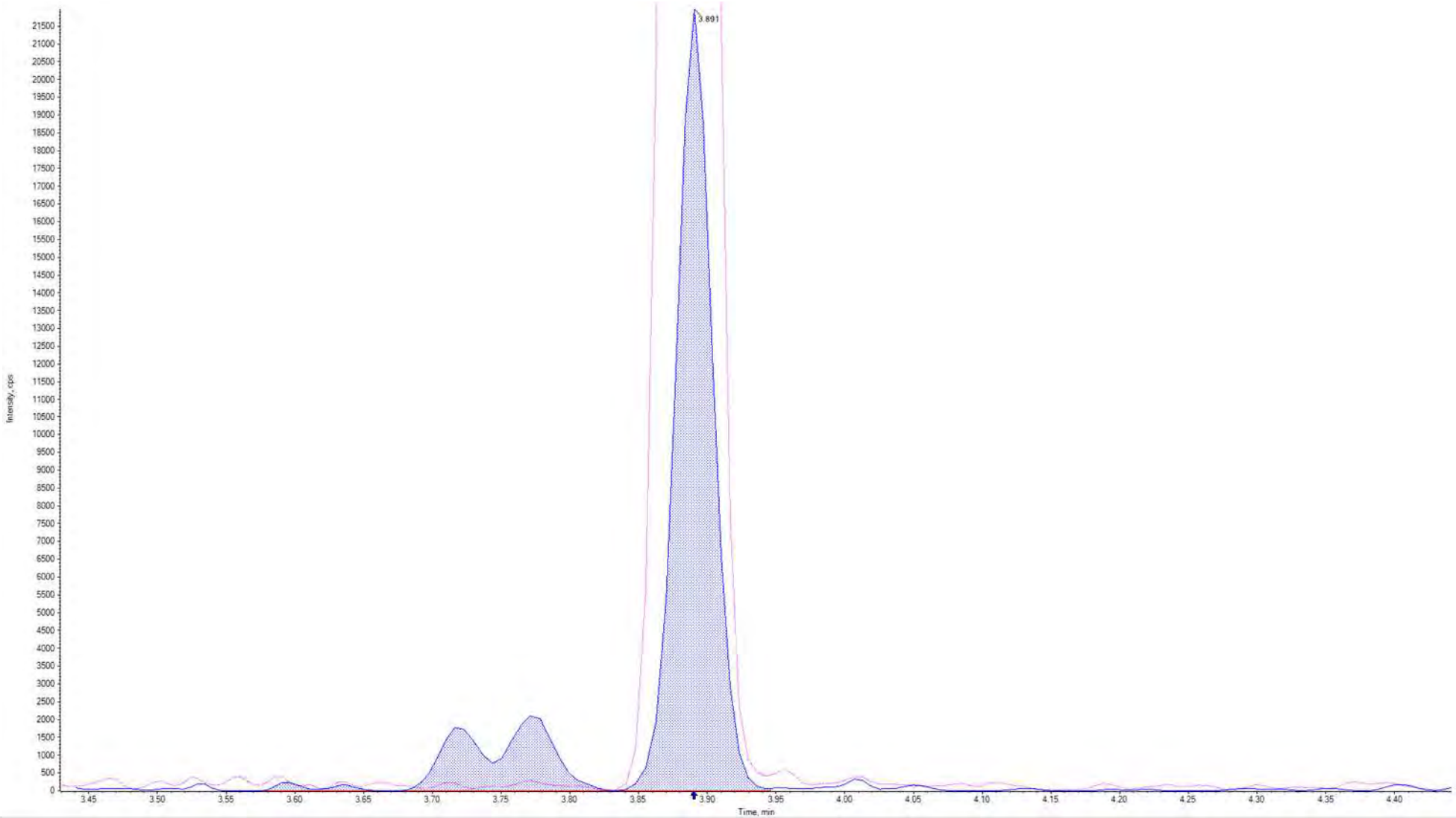
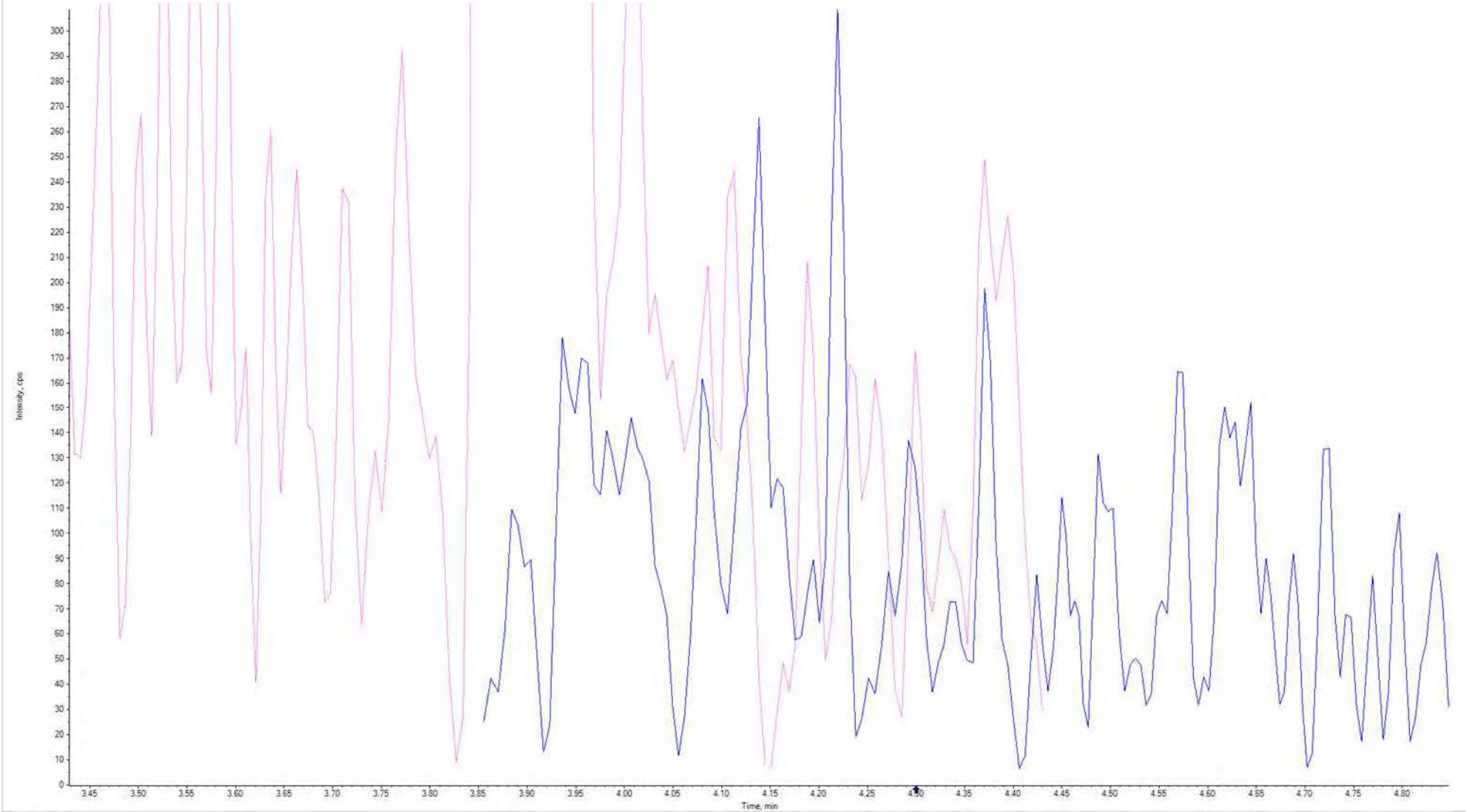
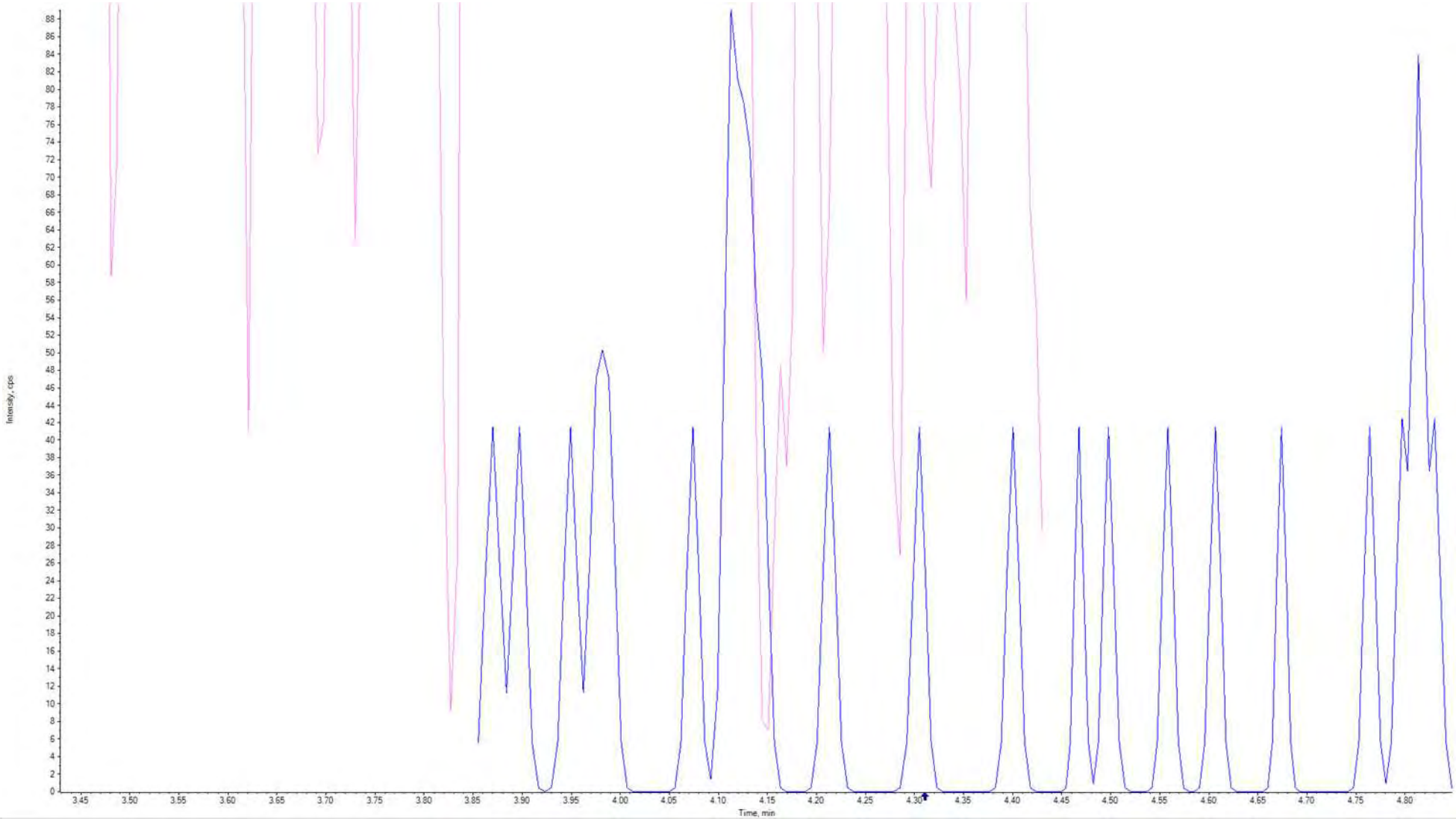
PFOS_2
Sample: L2467934-08 S/N:345.9 Points Across peak:61



PFNS
Sample: L2467934-08 S/N:N/A Points Across peak:N/A



PFNS_2
Sample: L2467934-08 S/N:N/A Points Across peak:N/A



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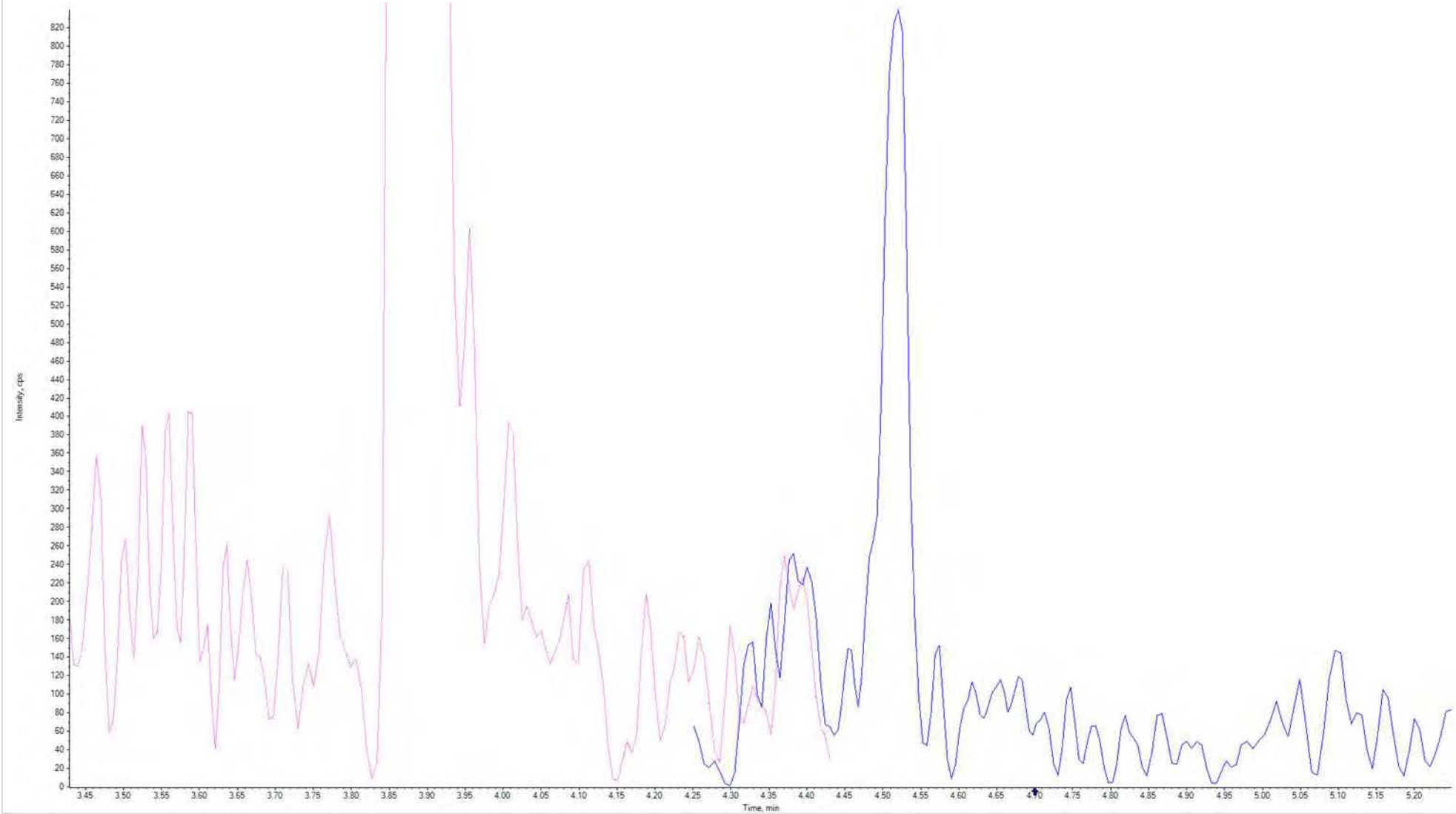
PFDS
Sample: L2467934-08 S/N:N/A Points Across peak:N/A



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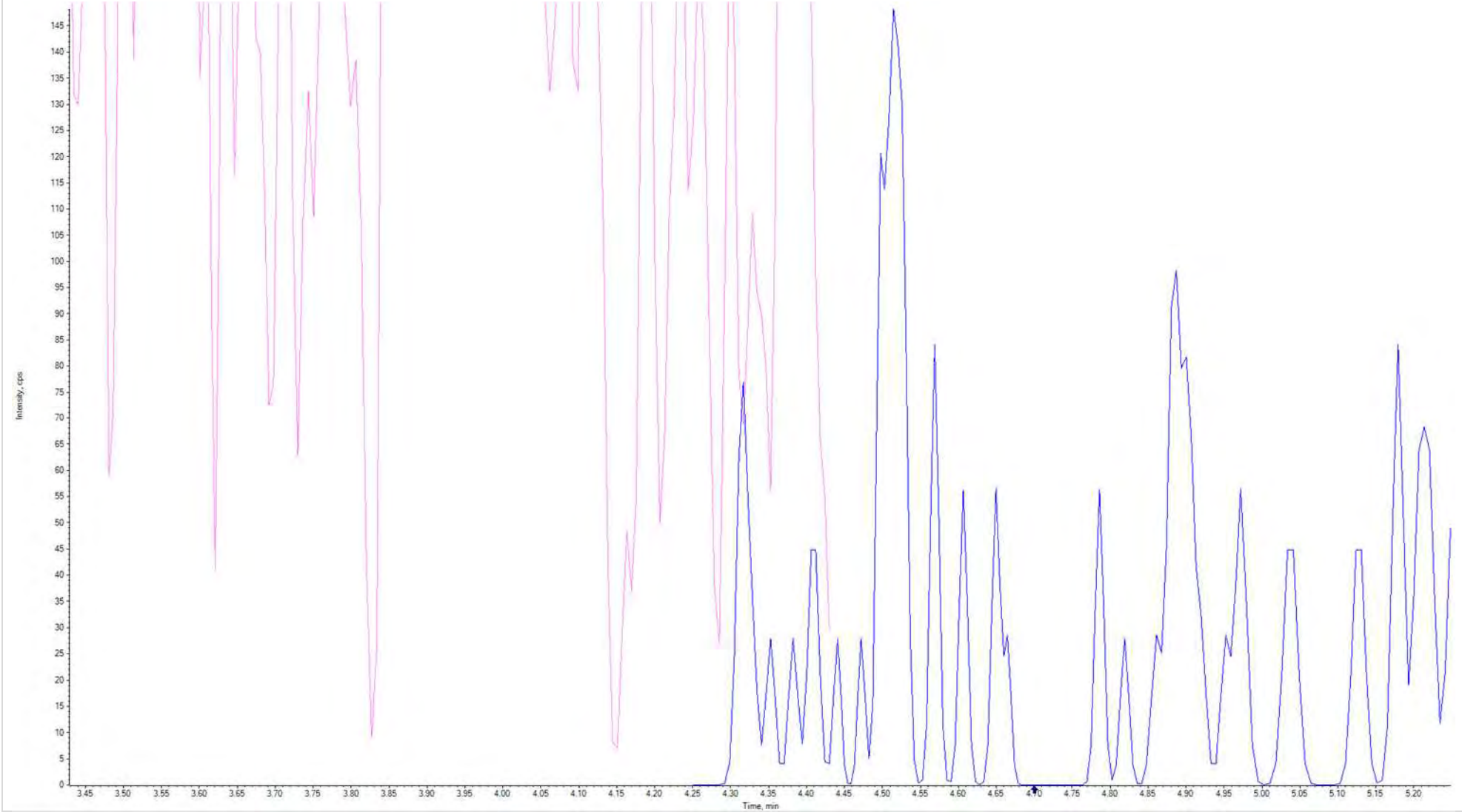
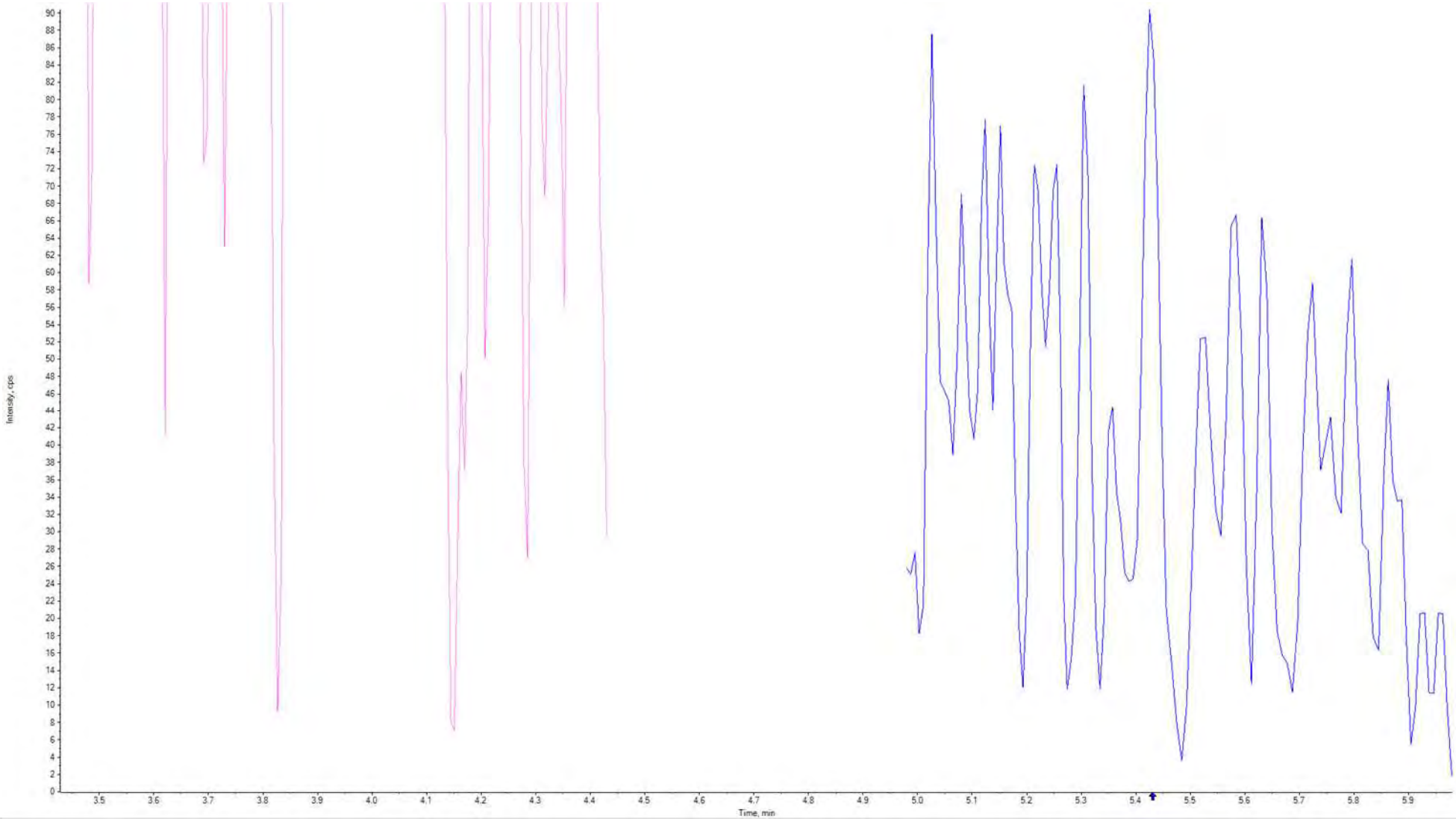
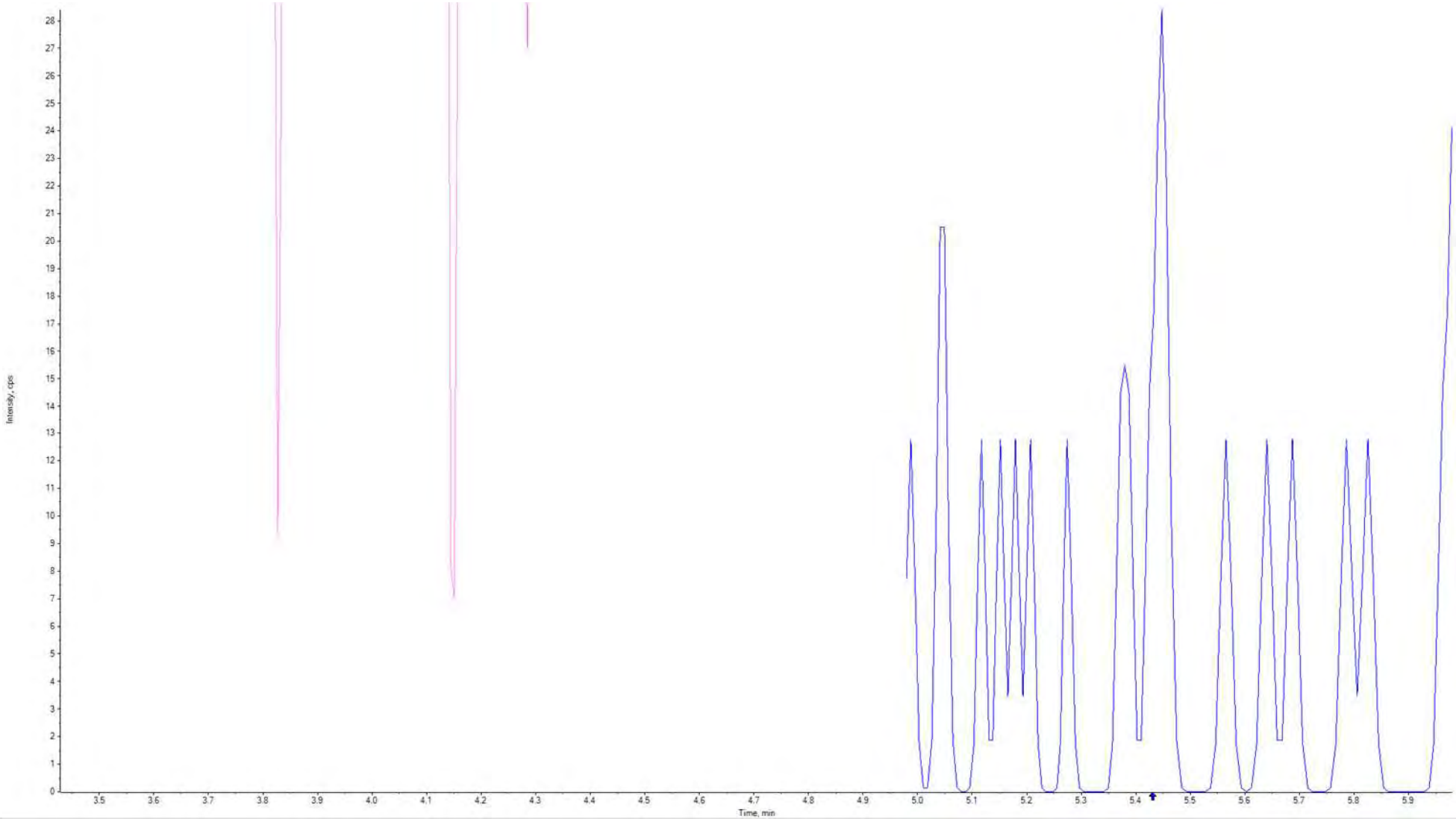
PFDS_2
Sample: L2467934-08 S/N:N/A Points Across peak:N/A



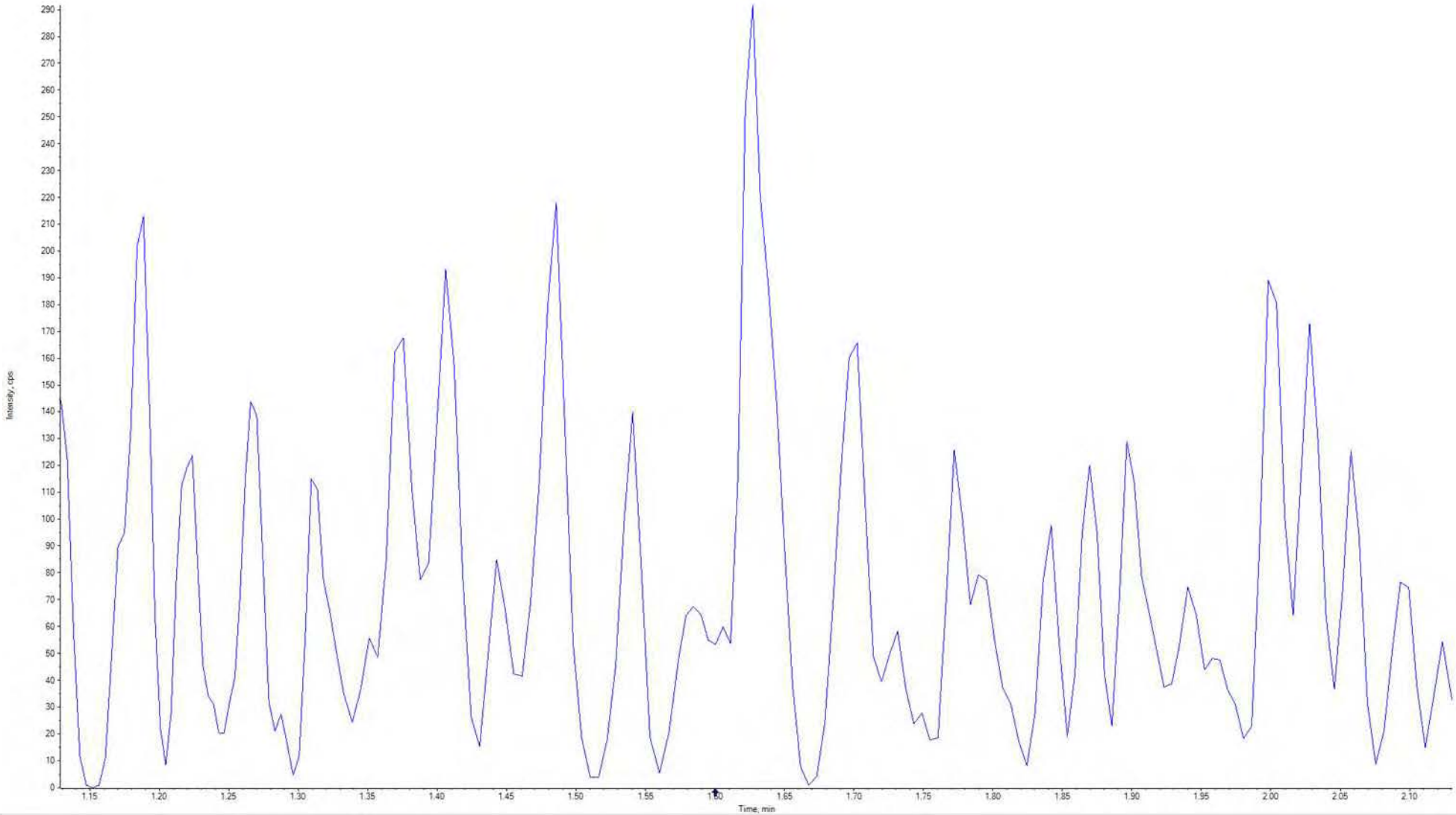
PFDoS
Sample: L2467934-08 S/N:N/A Points Across peak:N/A



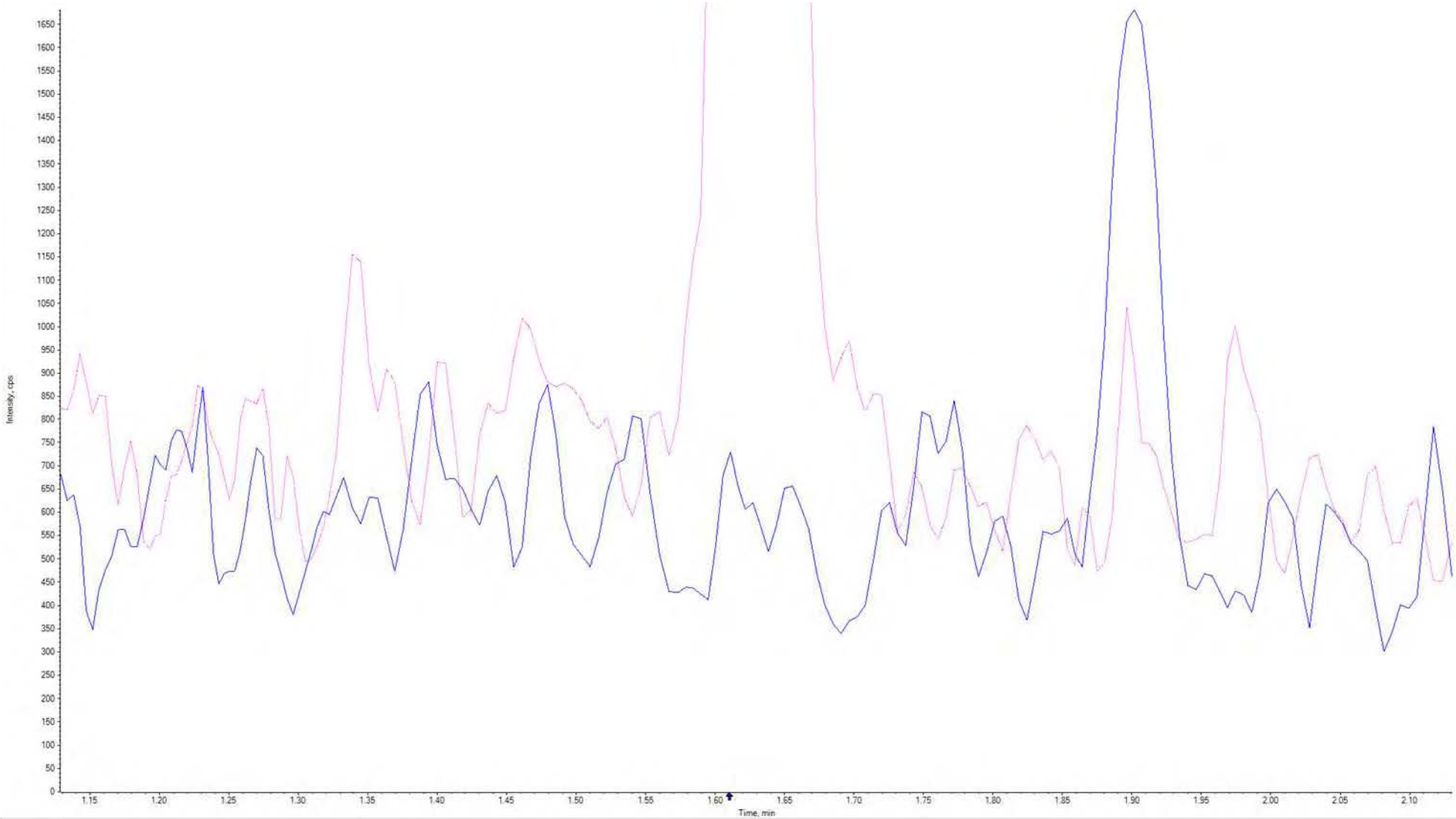
PFDoS_2
Sample: L2467934-08 S/N:N/A Points Across peak:N/A



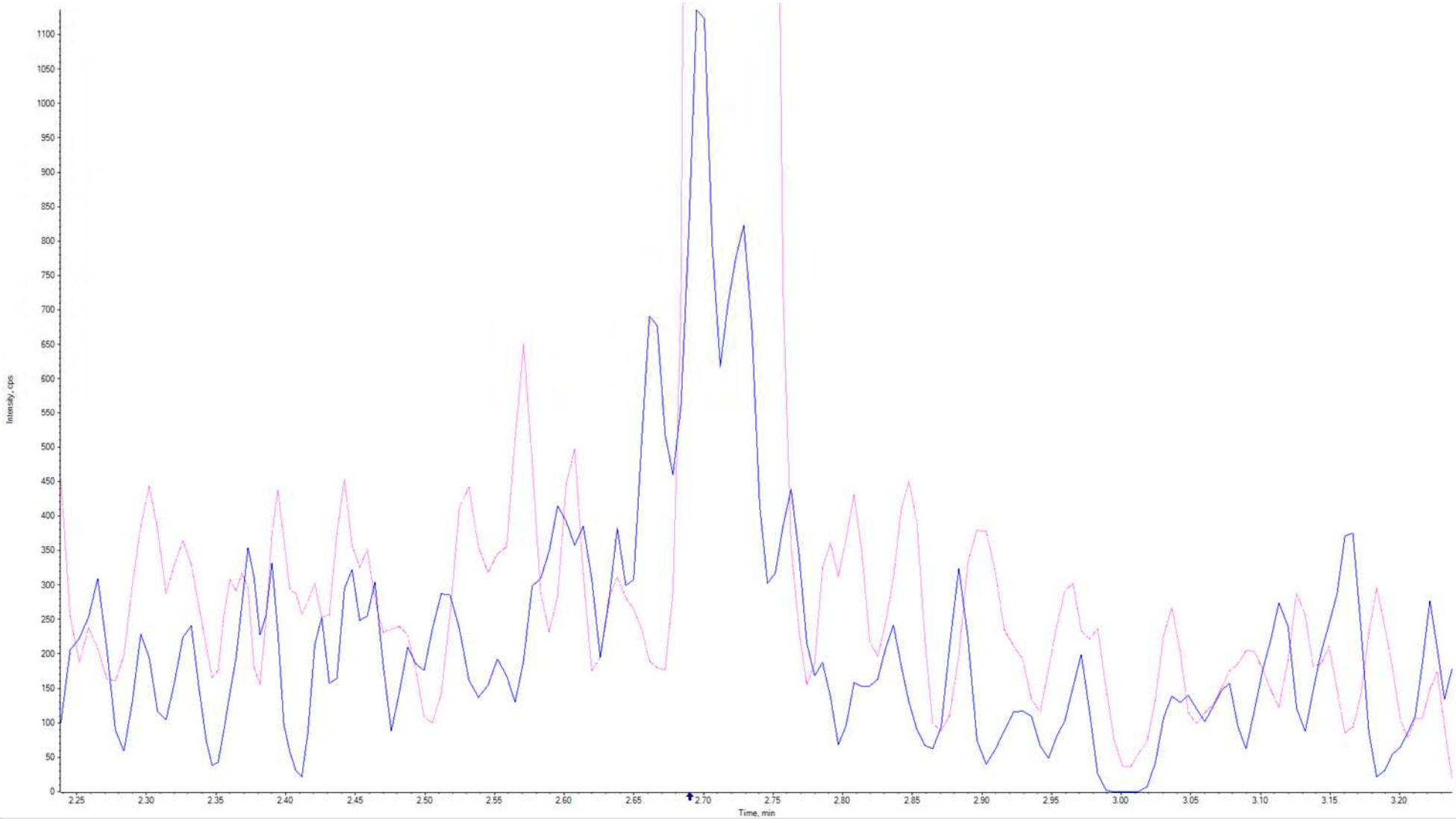
4:2FTS
Sample: L2467934-08 S/N:N/A Points Across peak:N/A



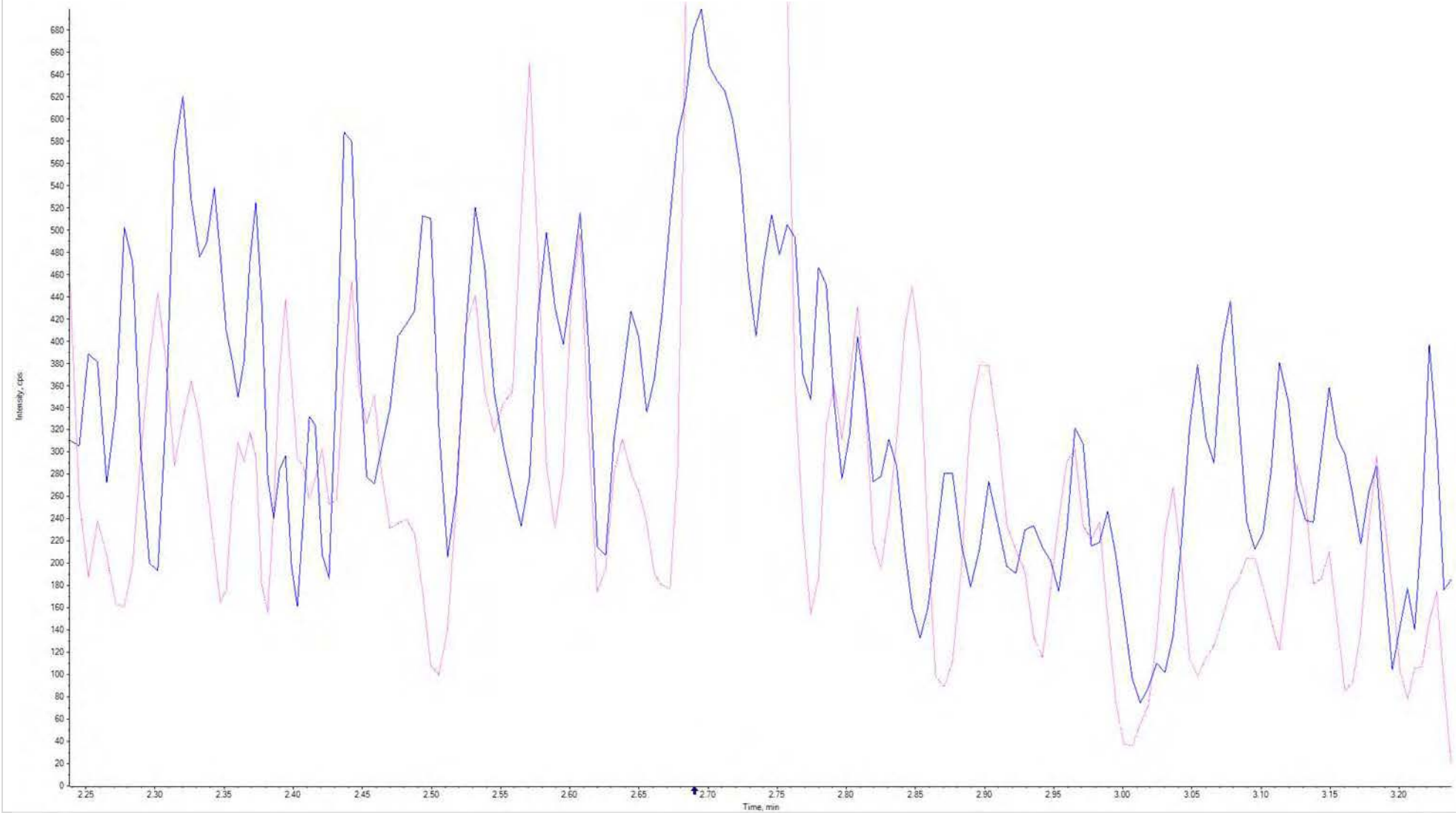
4:2FTS_2
Sample: L2467934-08 S/N:N/A Points Across peak:N/A



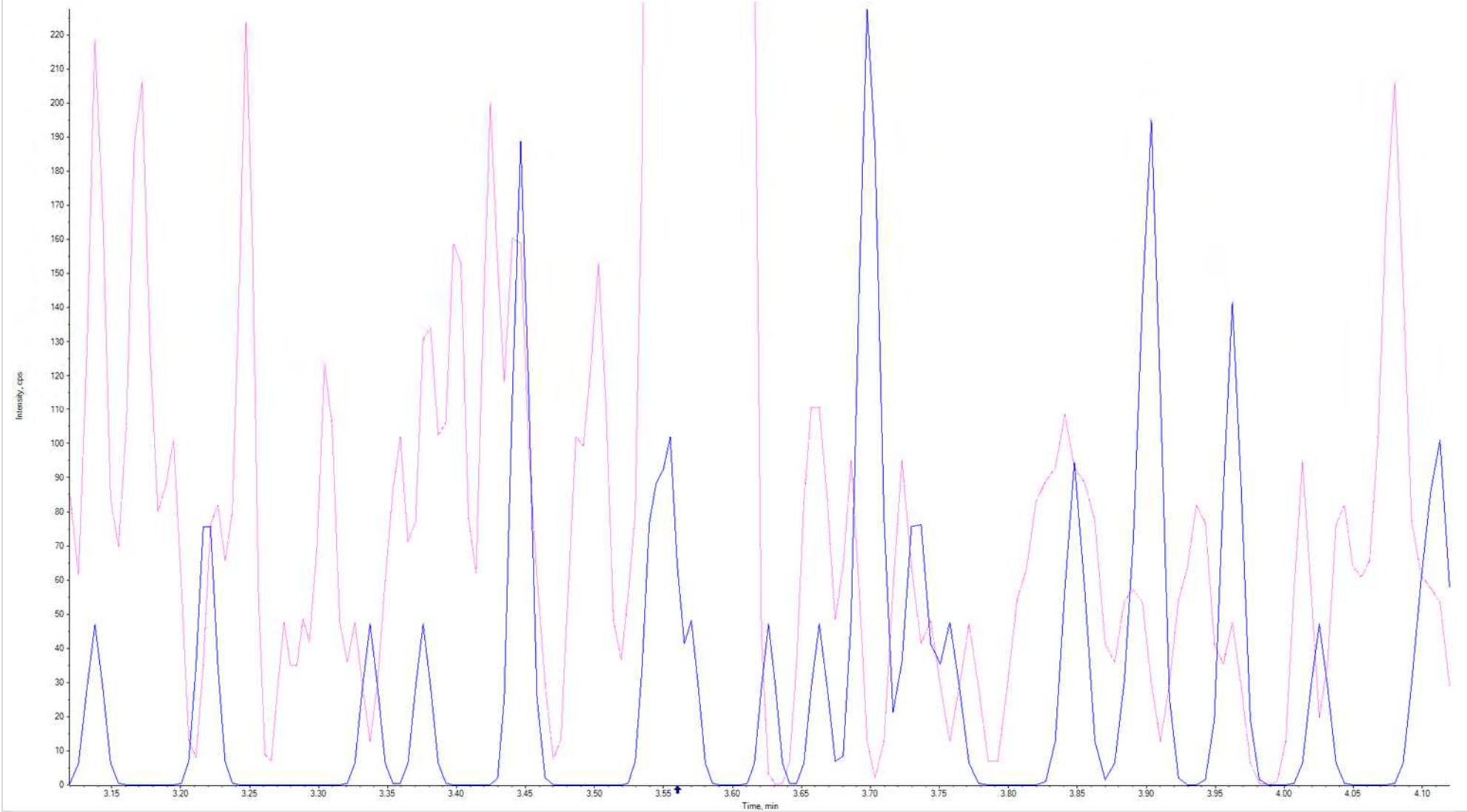
6:2FTS
Sample: L2467934-08 S/N:N/A Points Across peak:N/A



6:2FTS_2
Sample: L2467934-08 S/N:N/A Points Across peak:N/A



8:2FTS
Sample: L2467934-08 S/N:N/A Points Across peak:N/A



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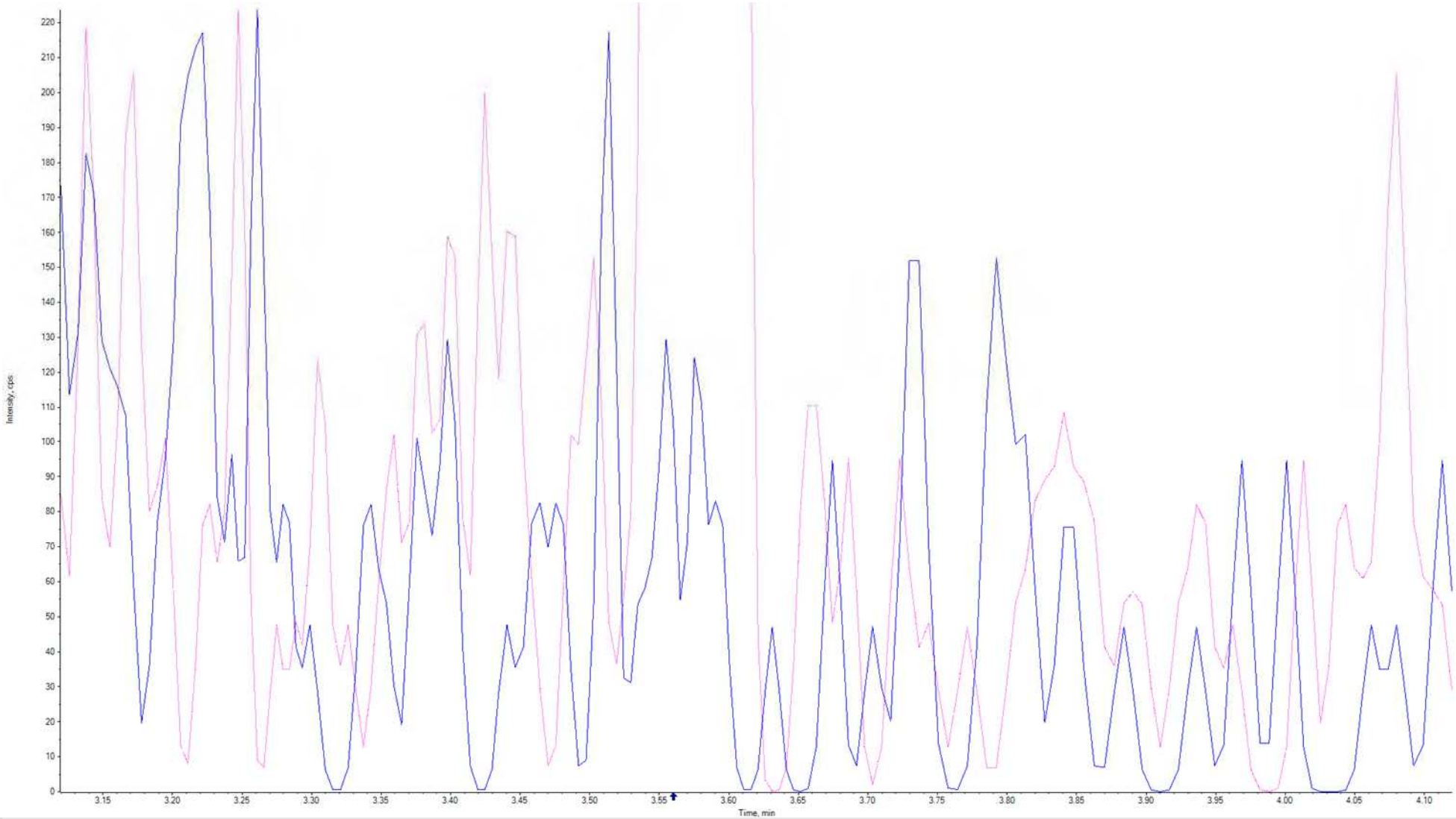
Sample: L2467934-08 S/N:N/A Points Across peak:N/A



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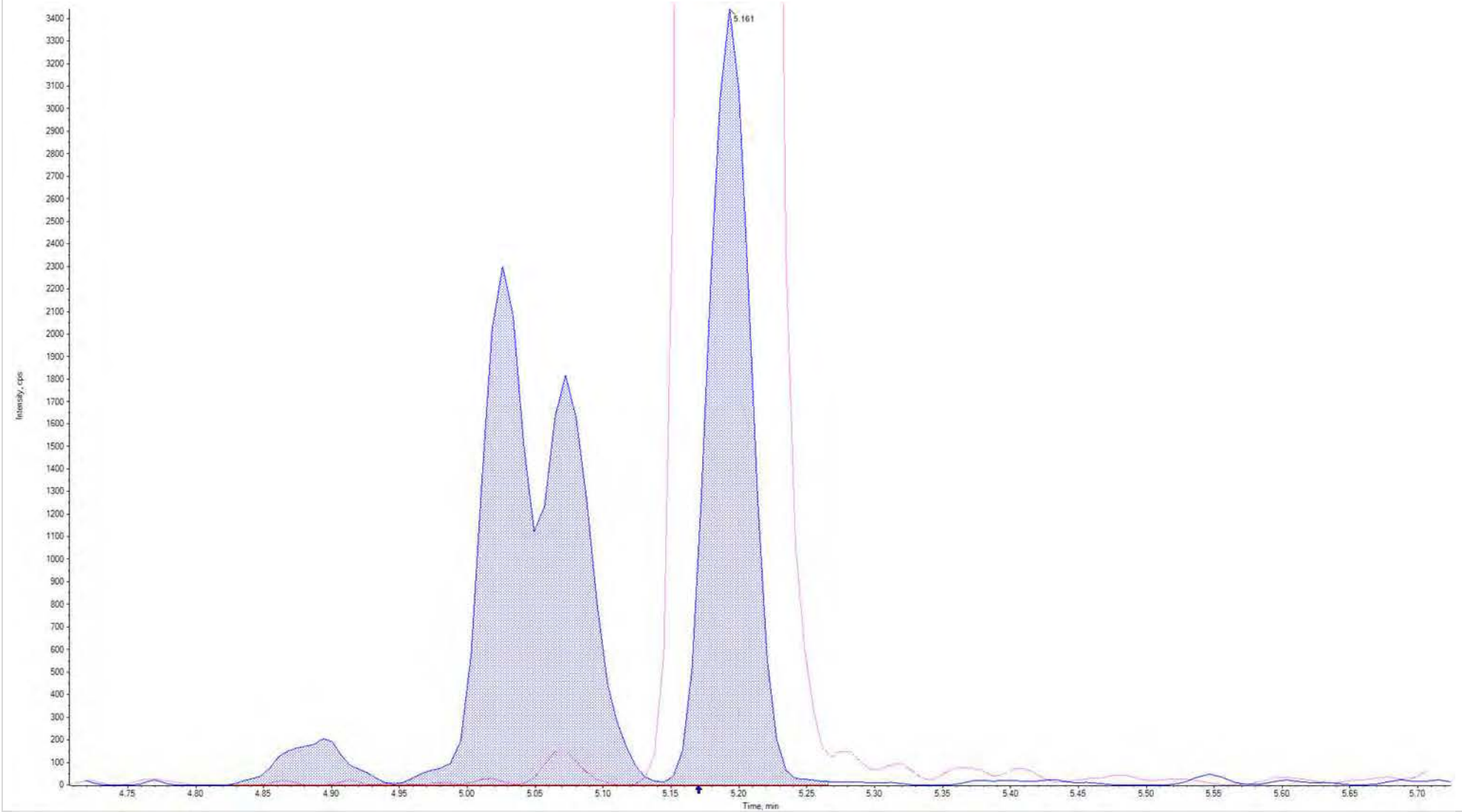
PFOSA
Sample: L2467934-08 S/N:120.0 Points Across peak:66



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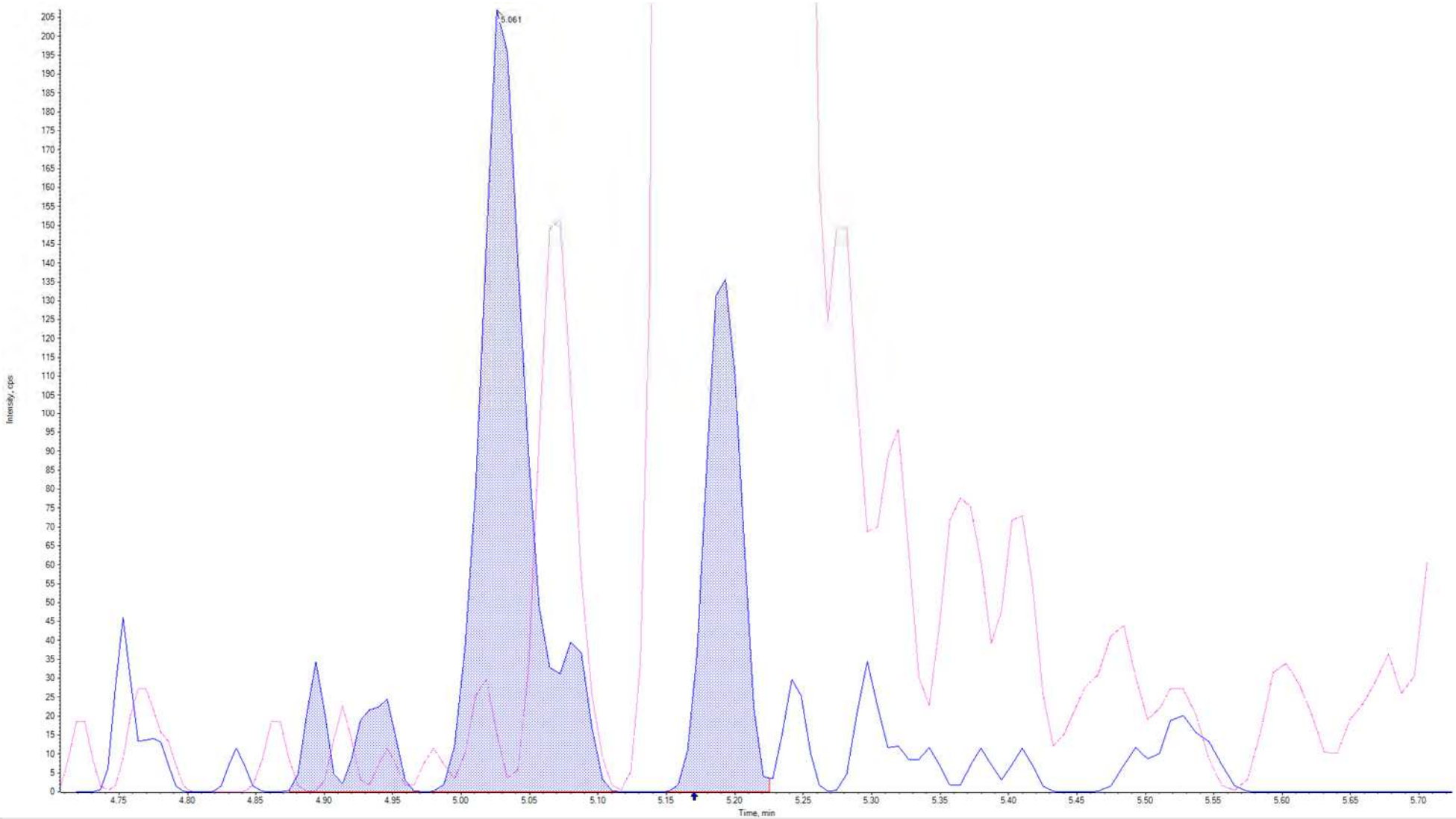
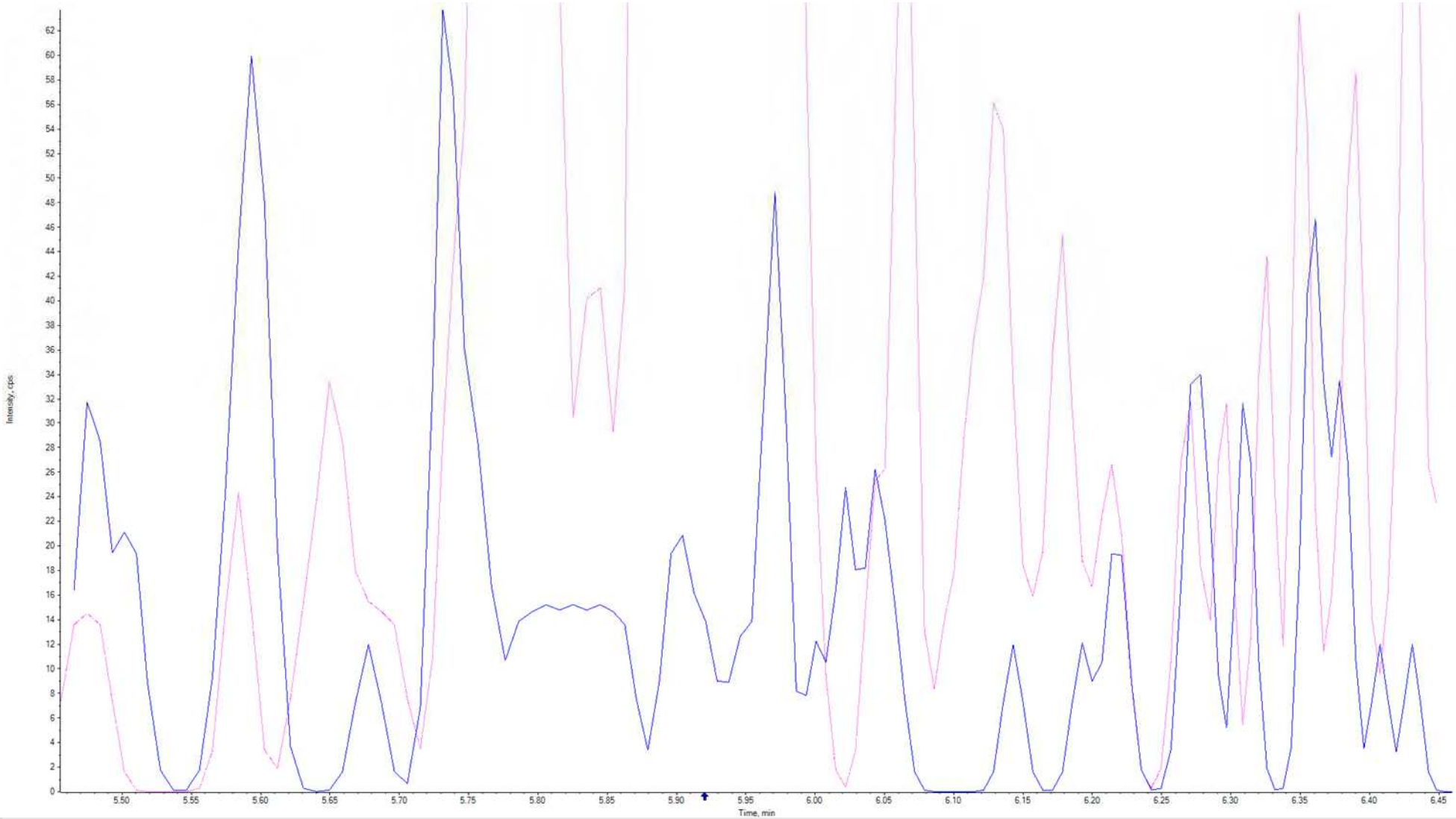
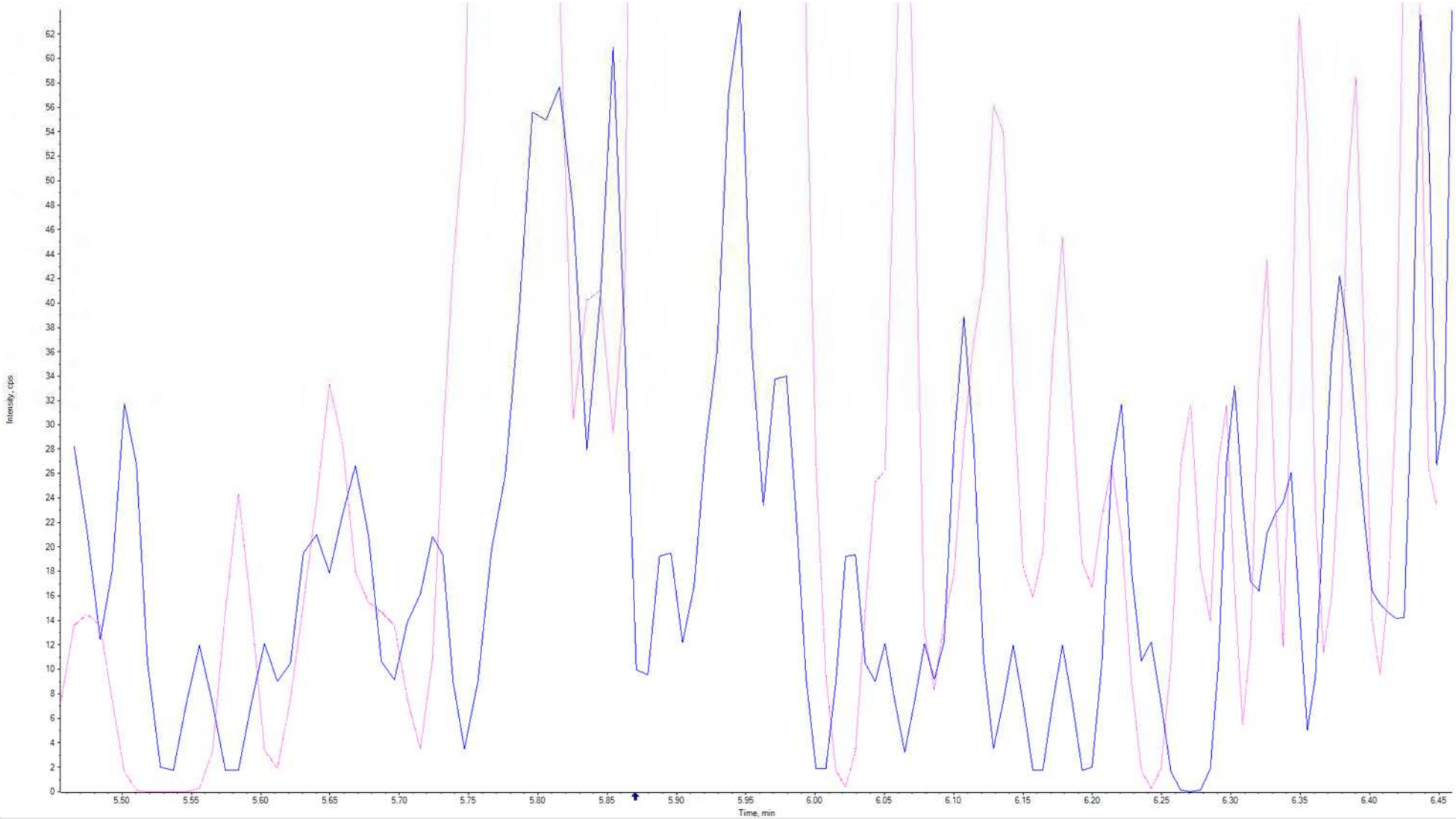
PFOSA_2
Sample: L2467934-08 S/N:18.2 Points Across peak:51



NMeFOSA
Sample: L2467934-08 S/N:N/A Points Across peak:N/A



NMeFOSA_2
Sample: L2467934-08 S/N:N/A Points Across peak:N/A



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NEtFOSA
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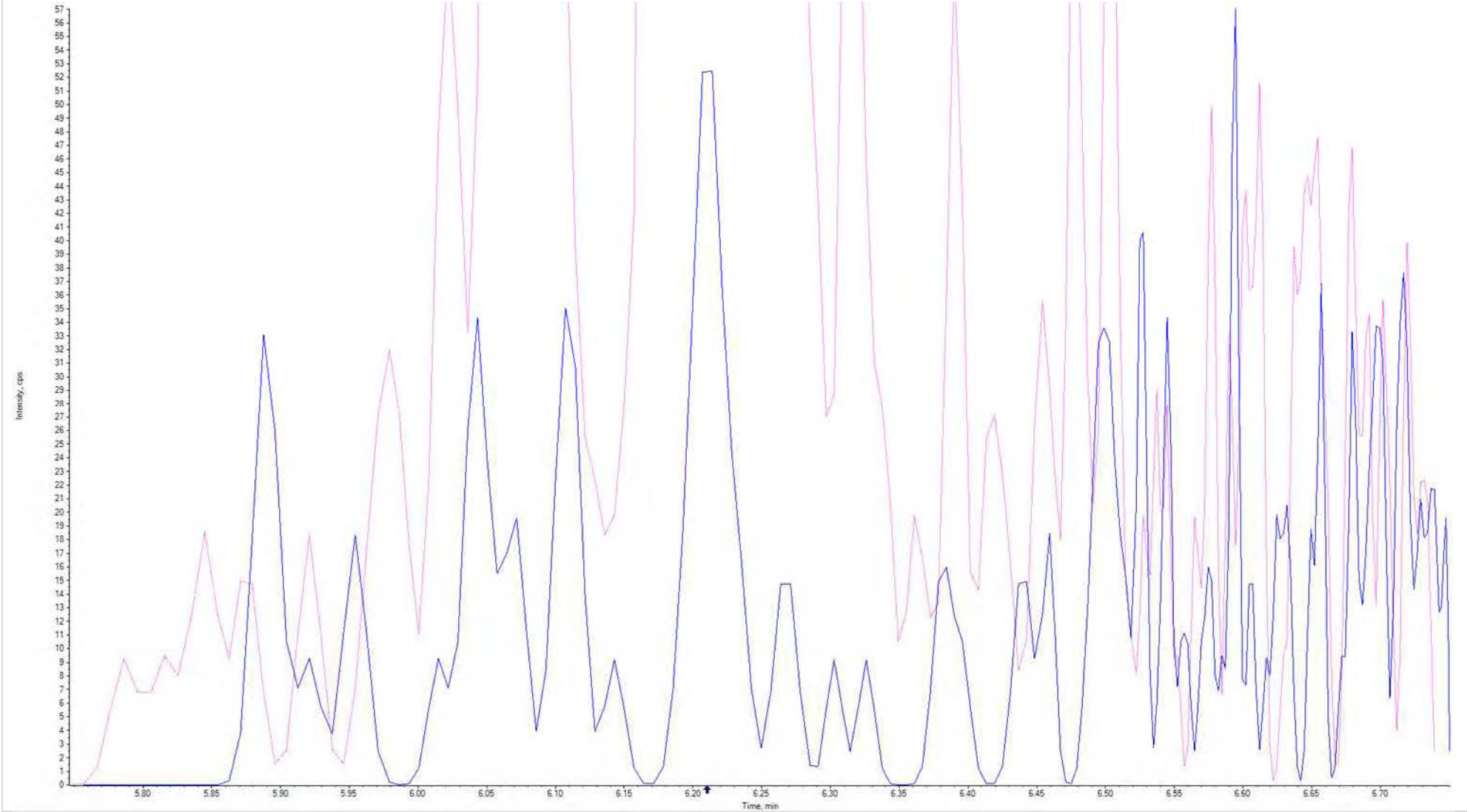

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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NEtFOSA_2
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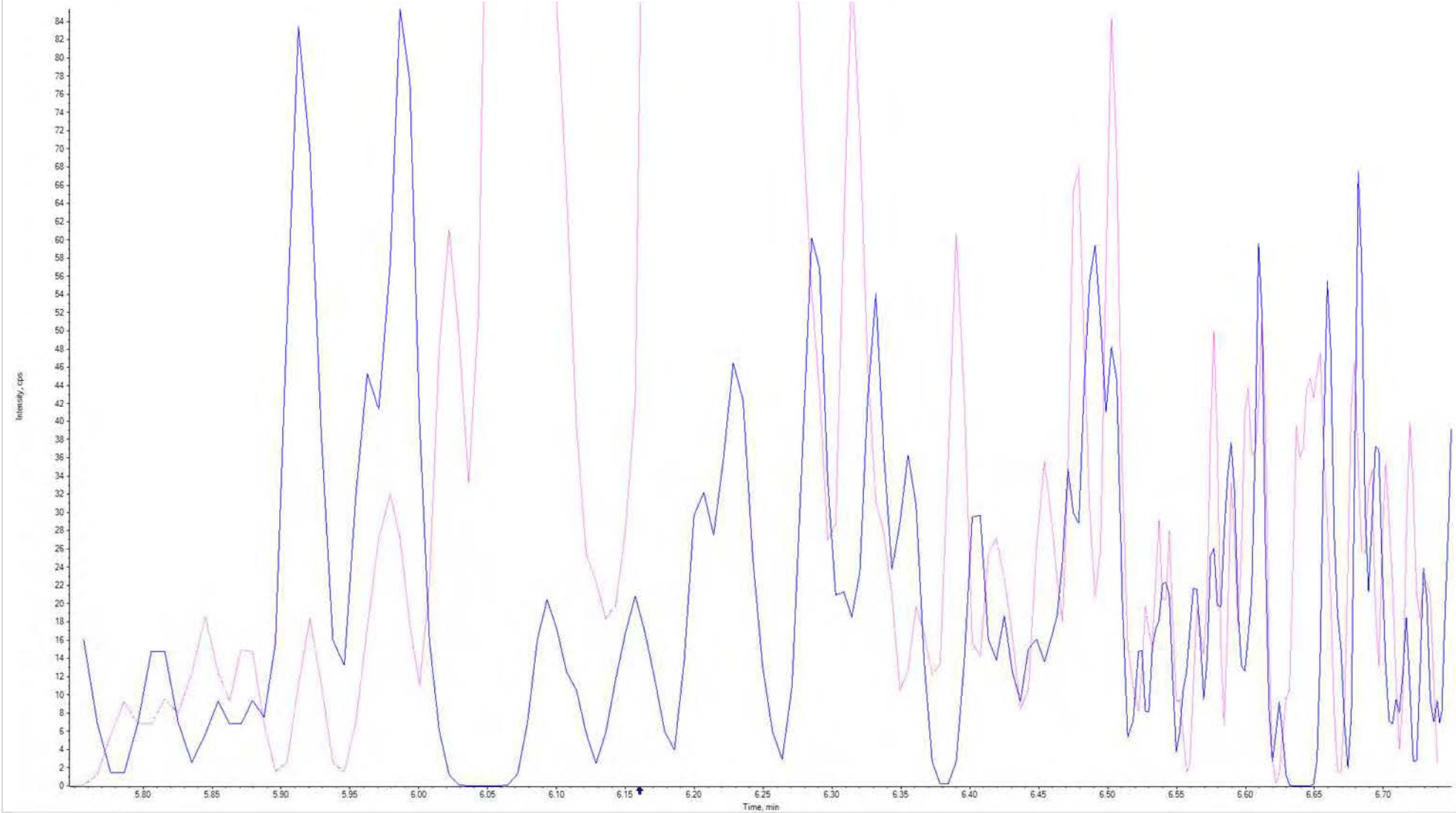

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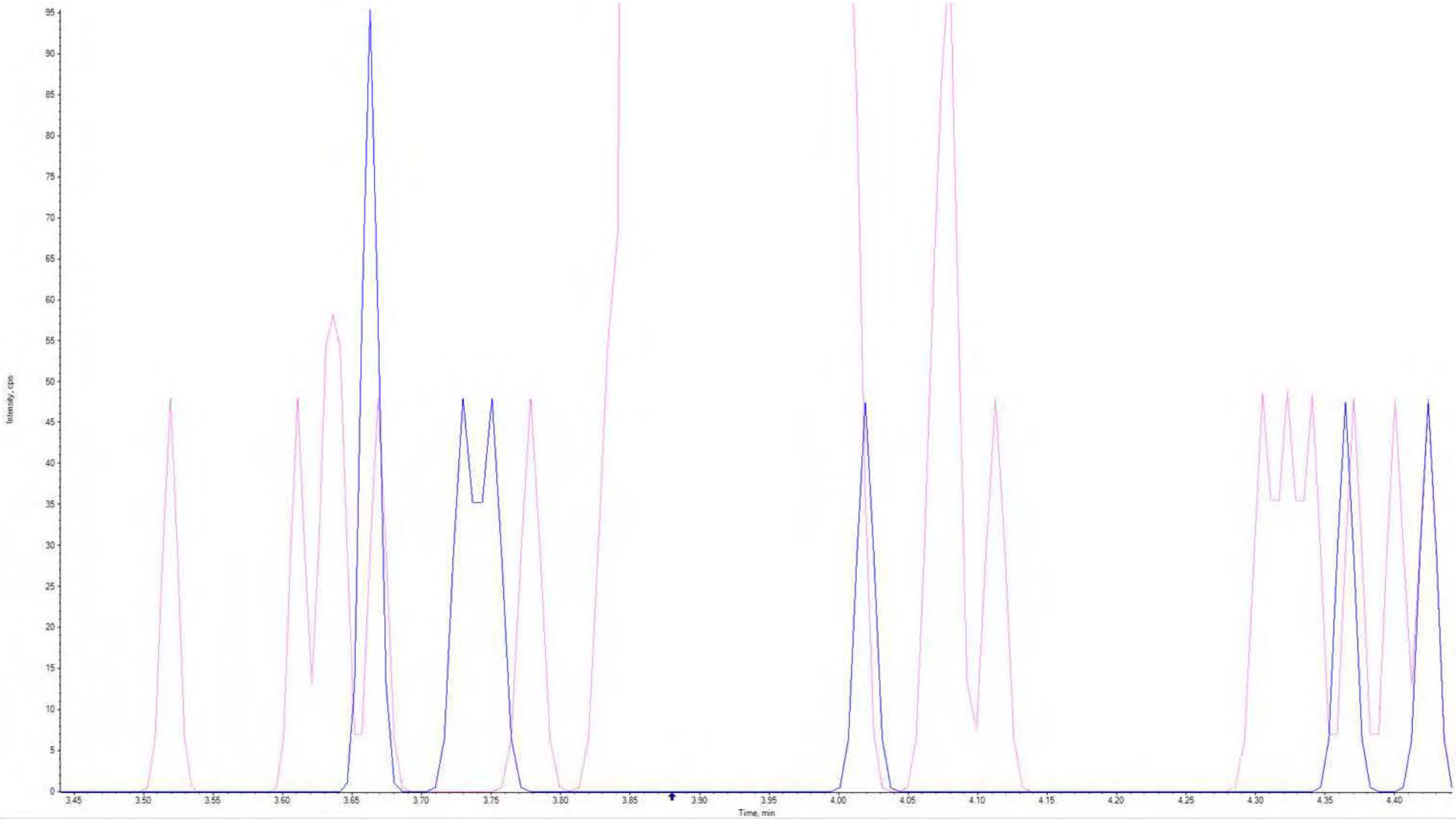

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NMeFOSAA_2
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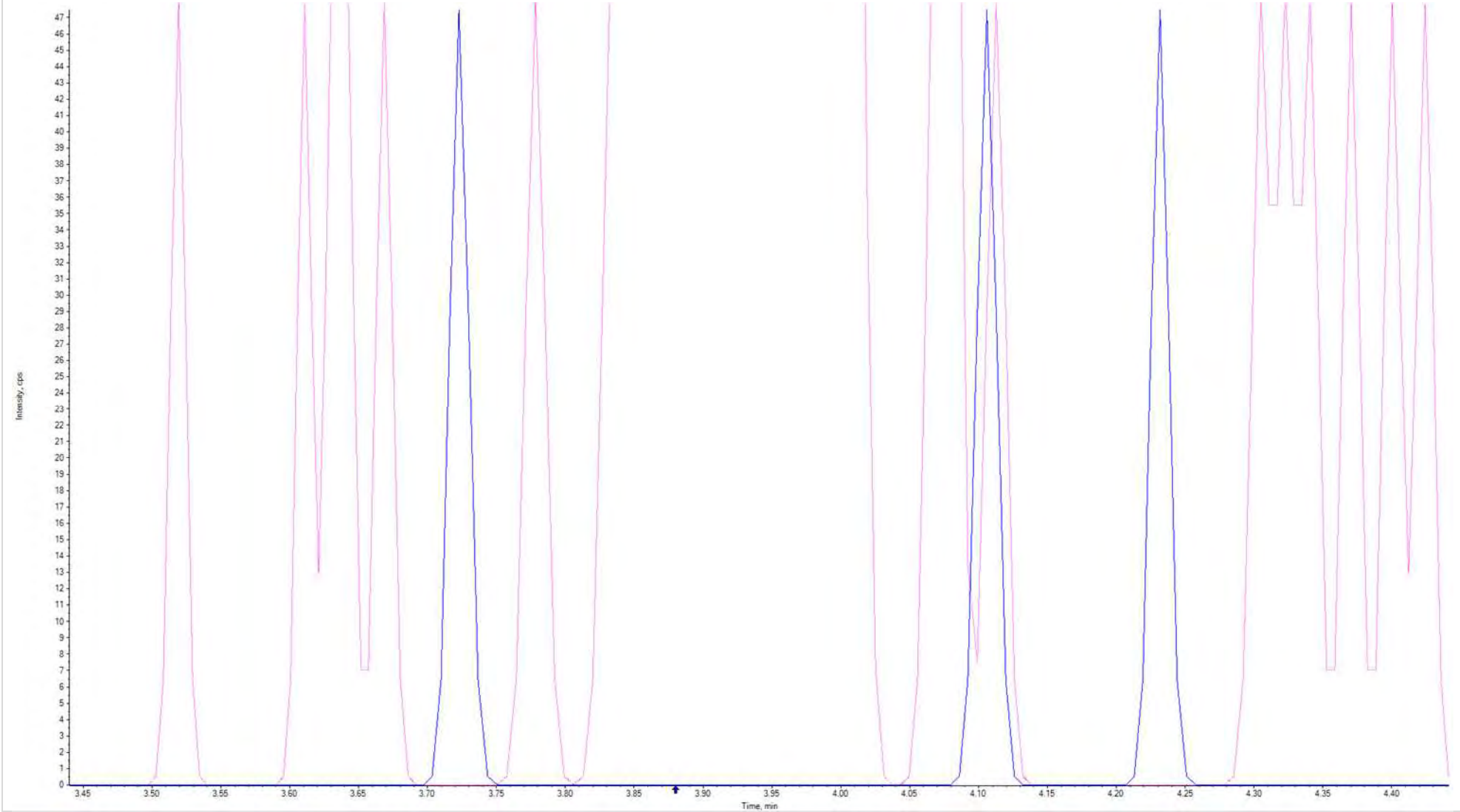

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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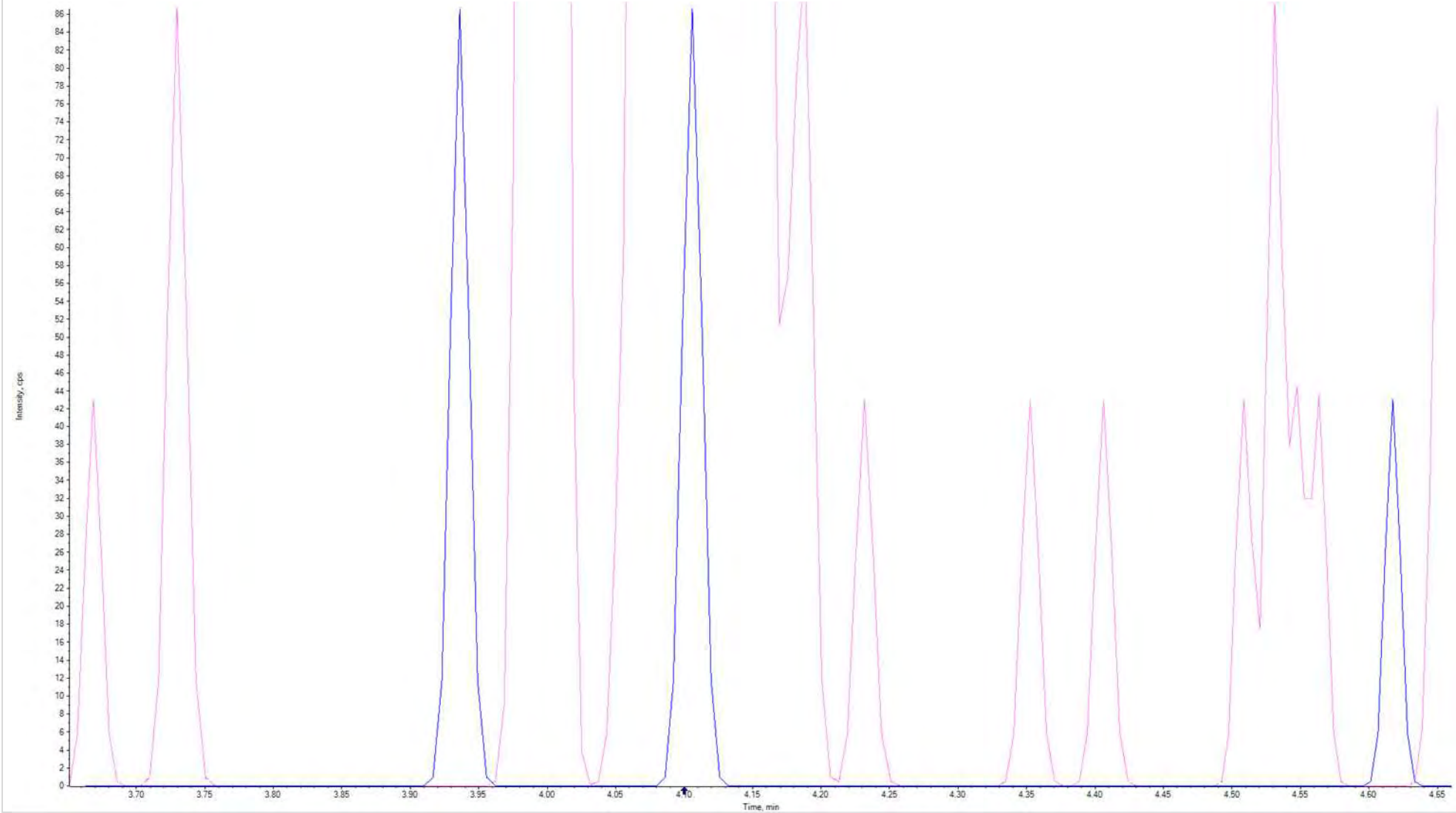
Generated: 12/23/2024 2:36:12 PM

NEtFOSAA
Sample: L2467934-08 S/N:N/A Points Across peak:N/A



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Alpha Analytical LLC
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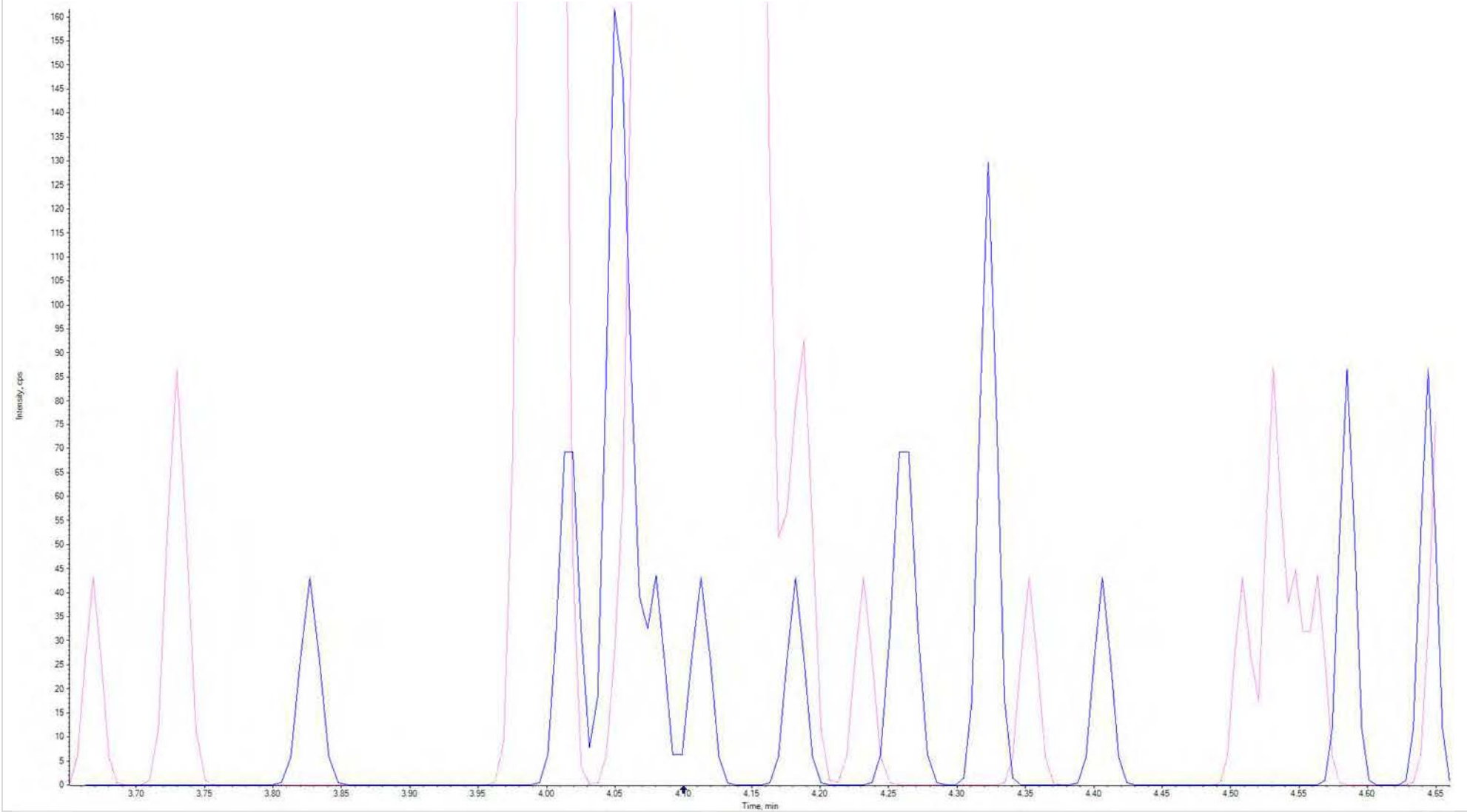
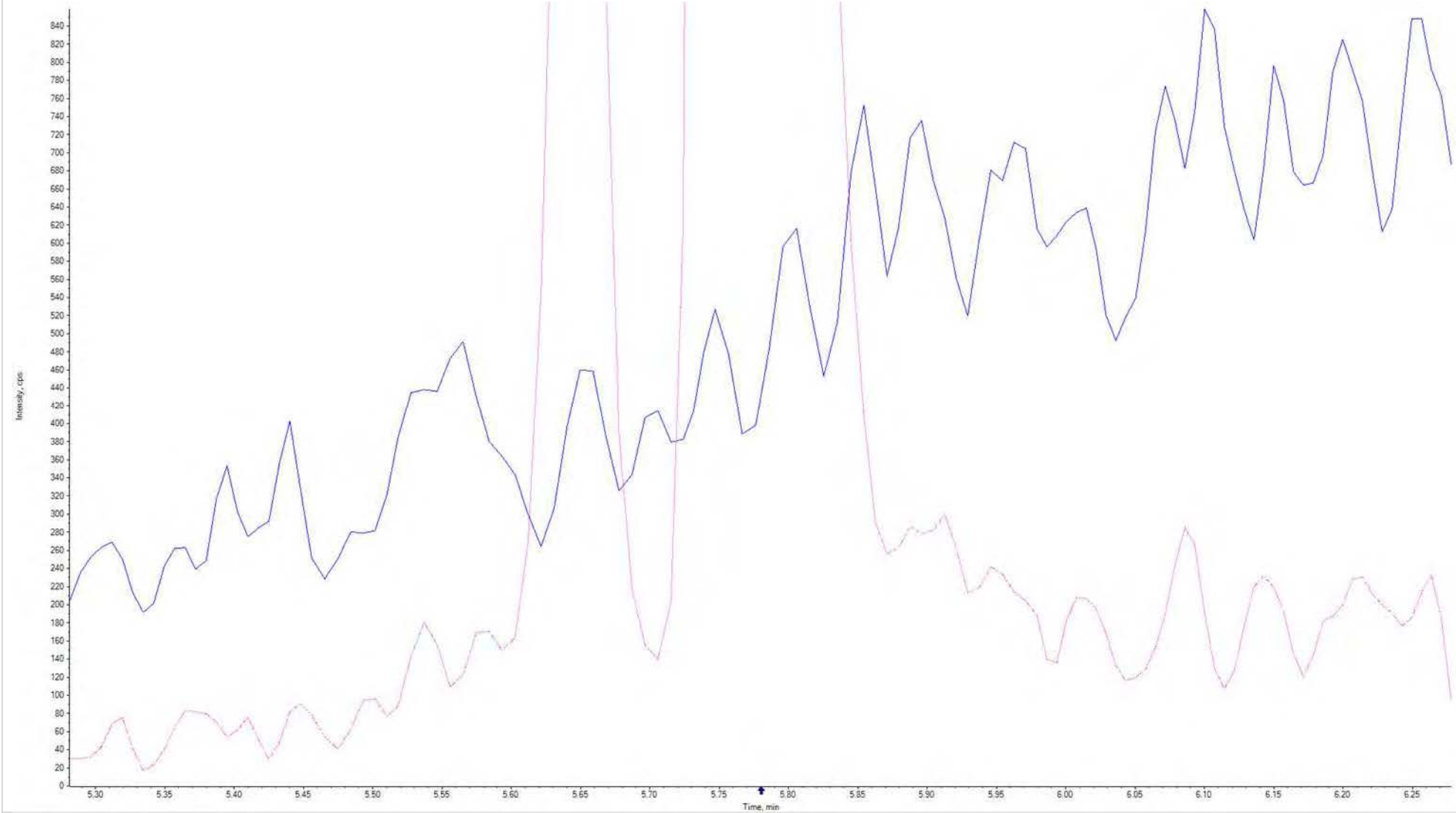
NEtFOSAA_2
Sample: L2467934-08 S/N:N/A Points Across peak:N/A



NMeFOSE
Sample: L2467934-08 S/N:N/A Points Across peak:N/A



NEtFOSE
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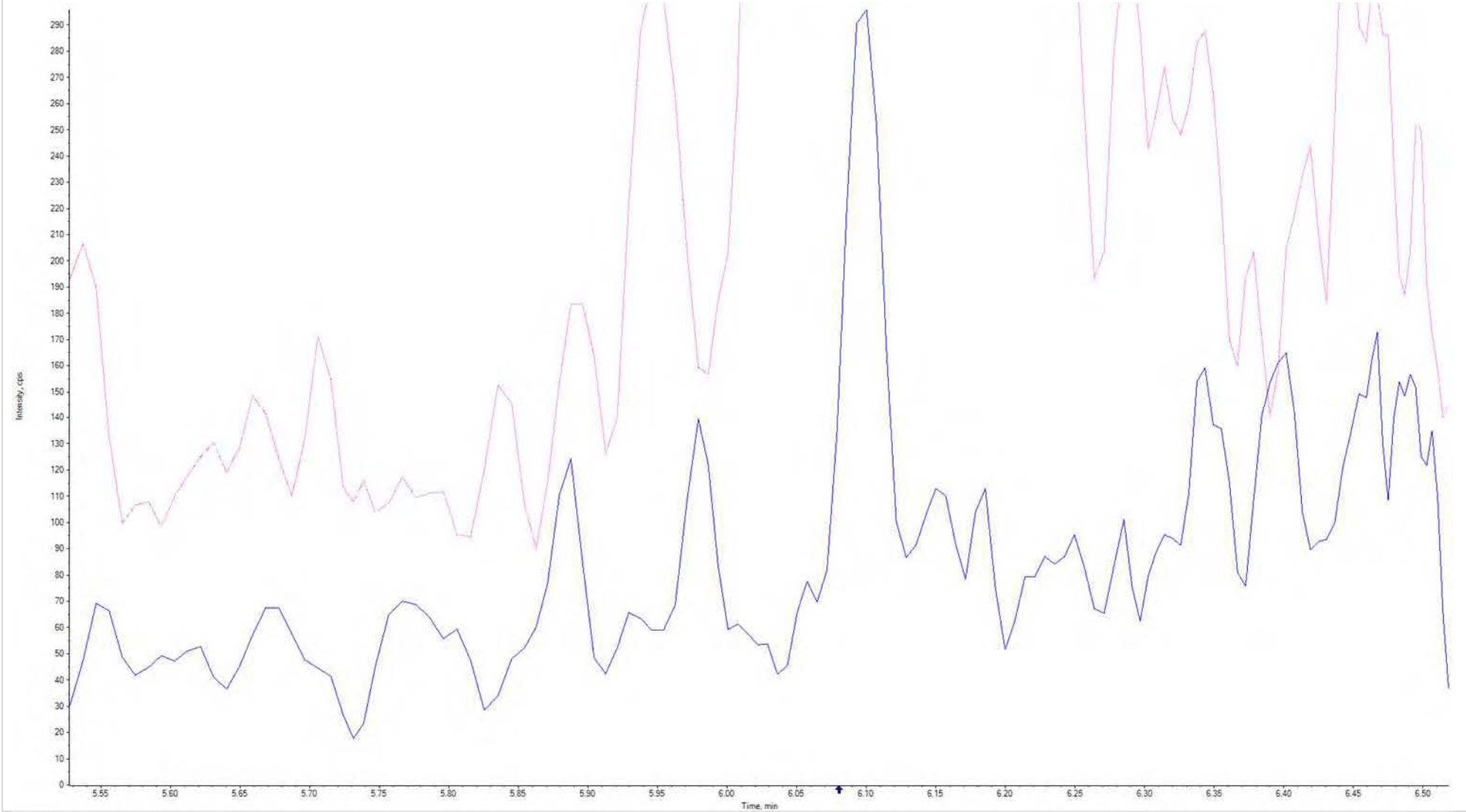

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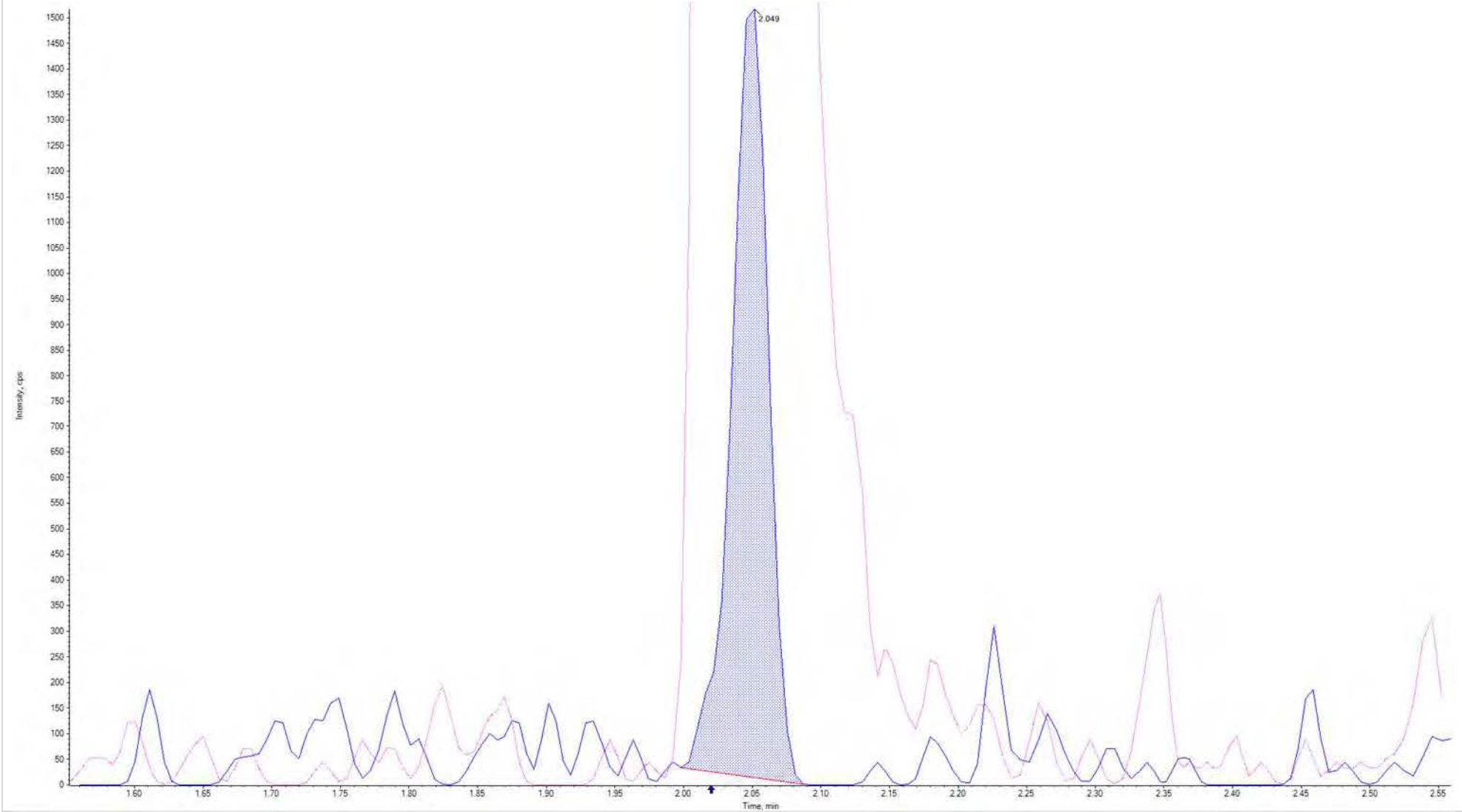
HFPO-DA
Sample: L2467934-08 S/N:33.9 Points Across peak:16



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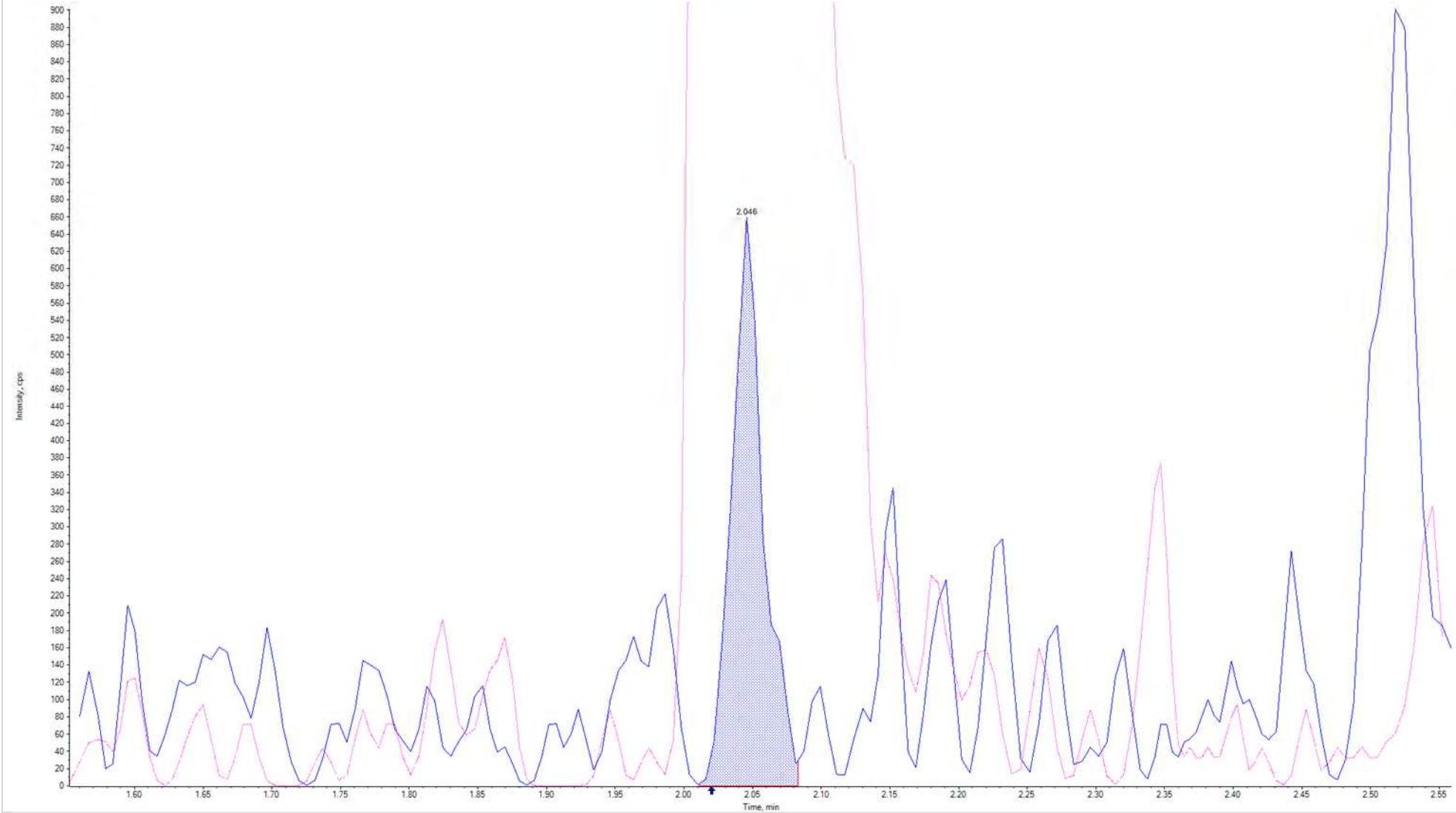
HFPO-DA_2
Sample: L2467934-08 S/N:14.9 Points Across peak:14



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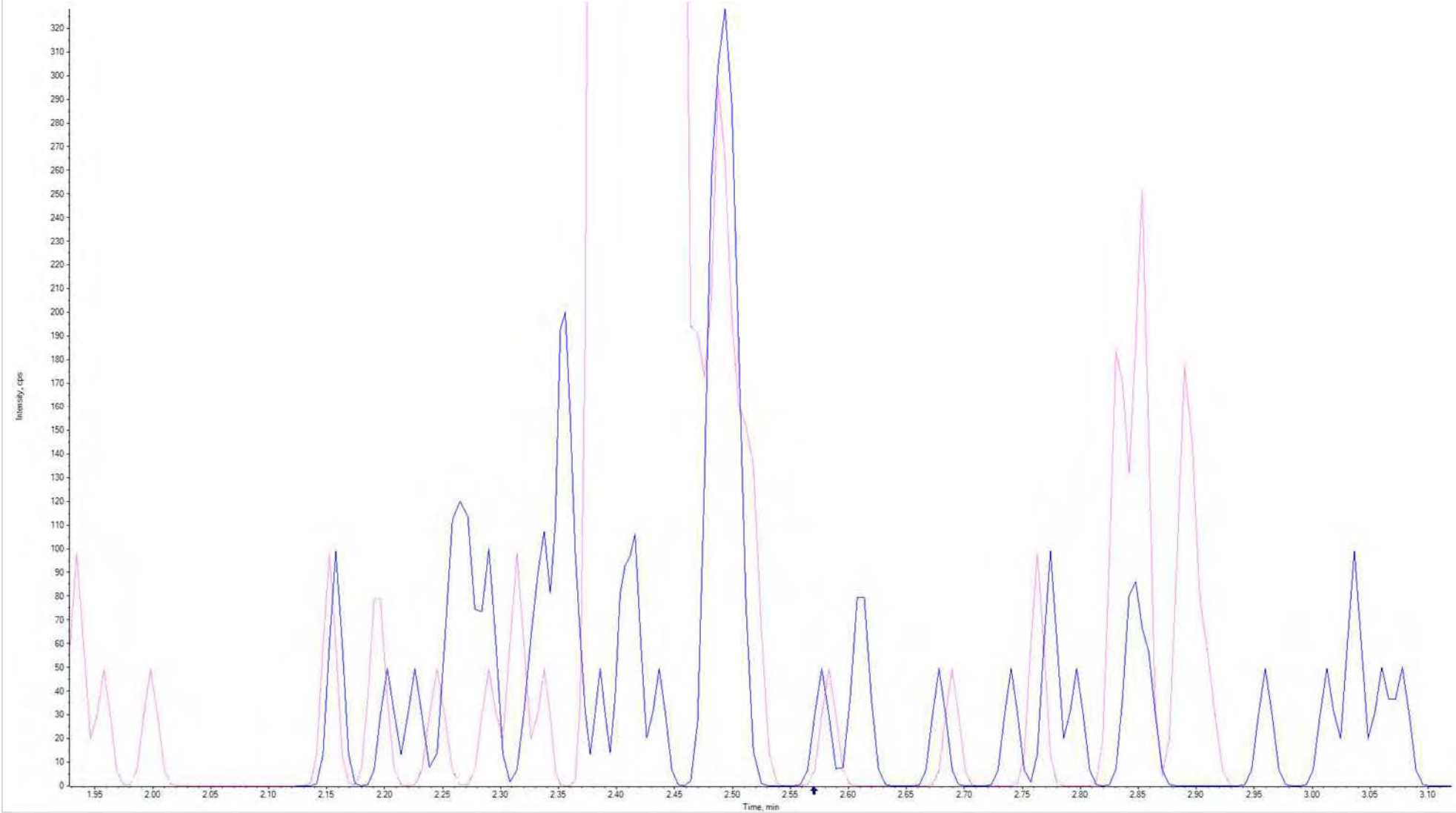
ADONA
Sample: L2467934-08 S/N:N/A Points Across peak:N/A



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ADONA_2
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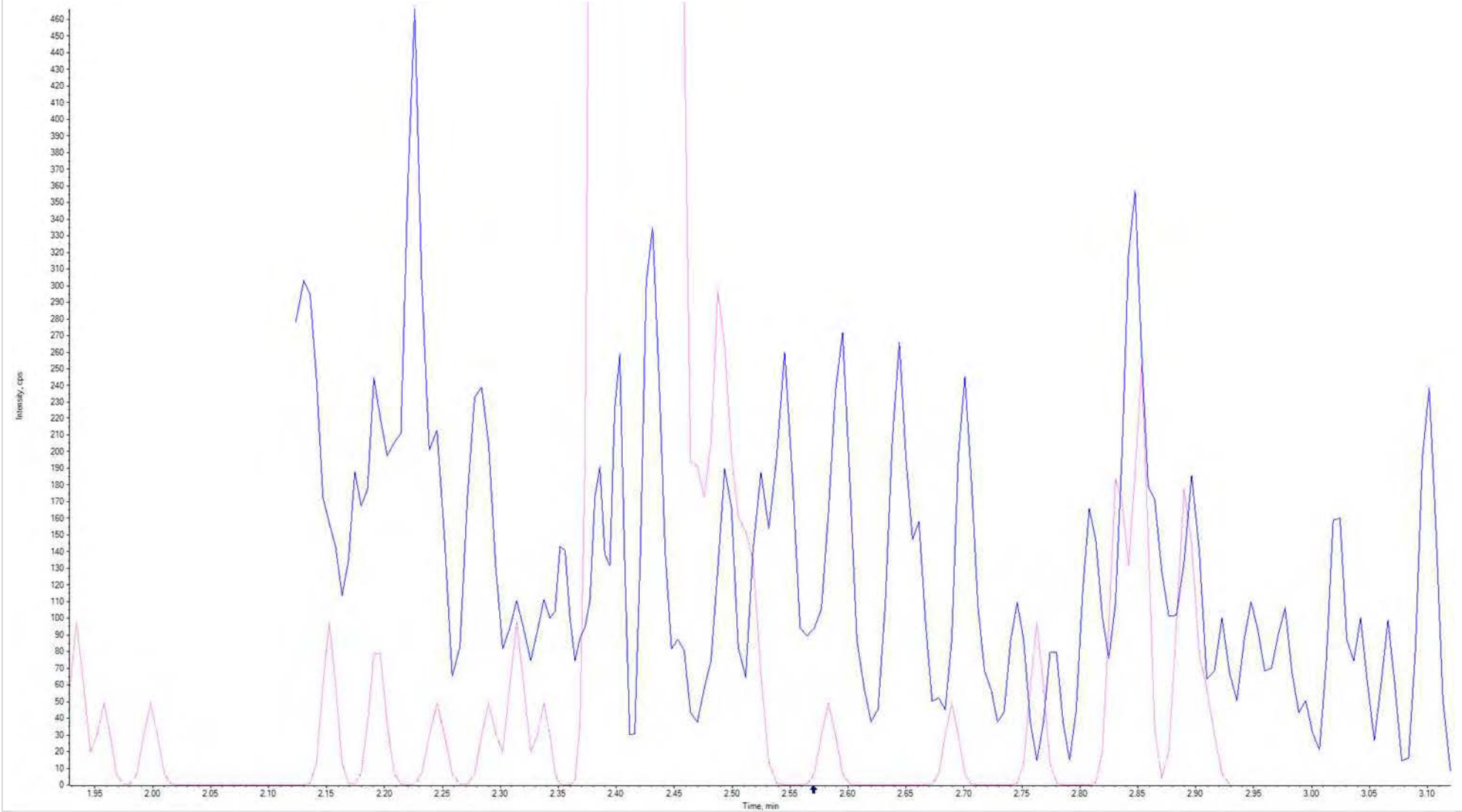

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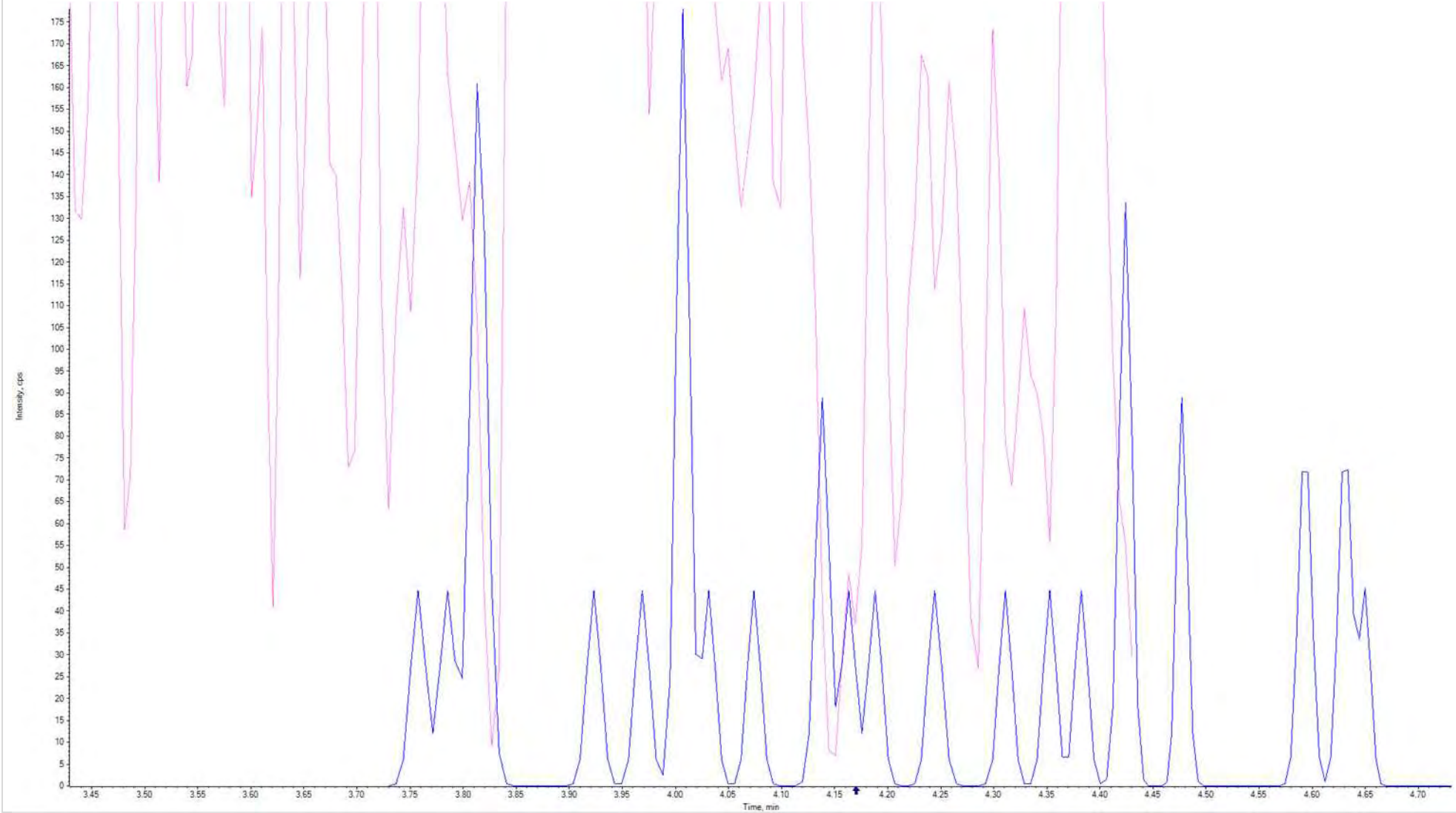
9Cl-PF3ONS
Sample: L2467934-08 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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9Cl-PF3ONS_2
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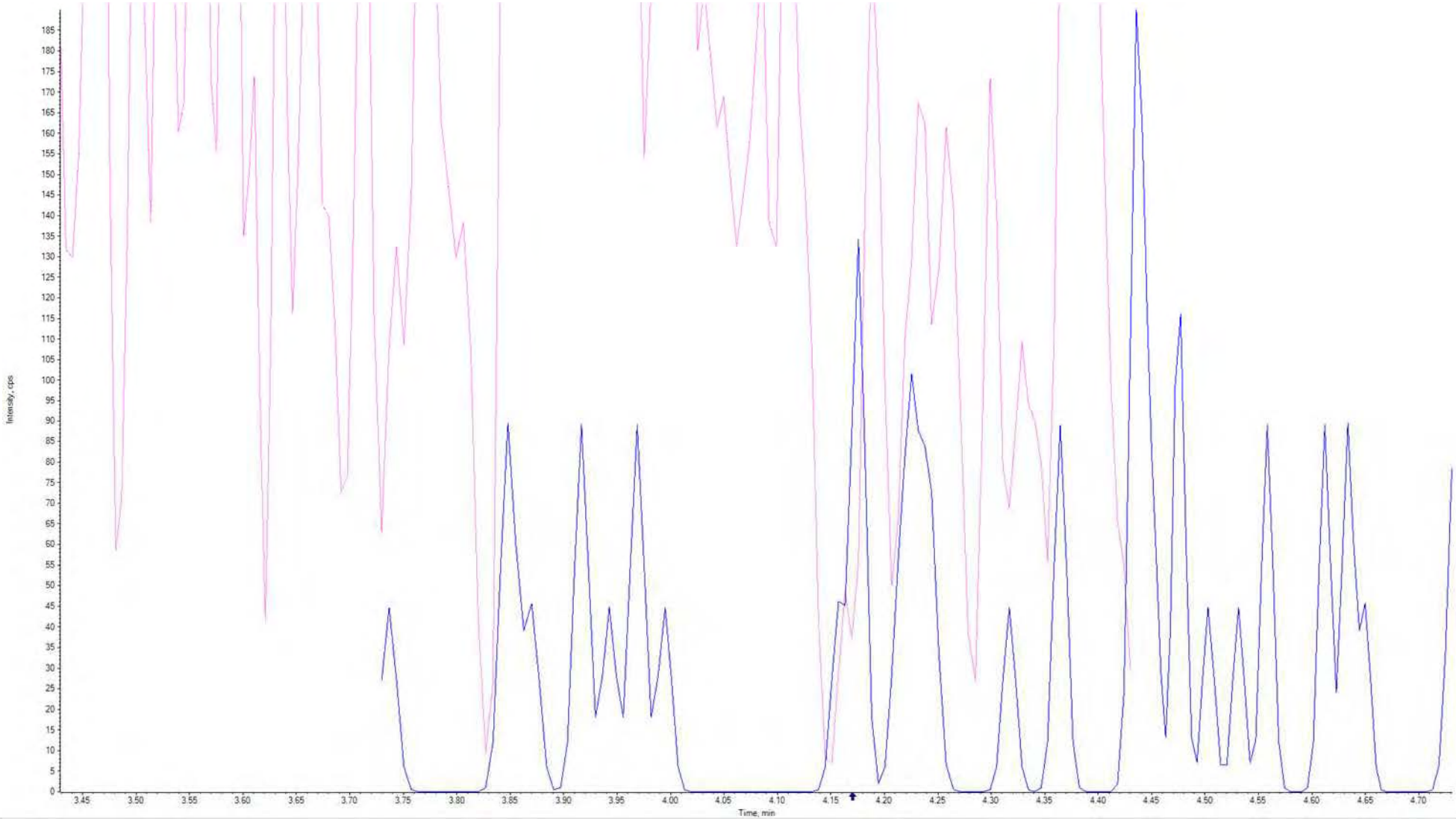
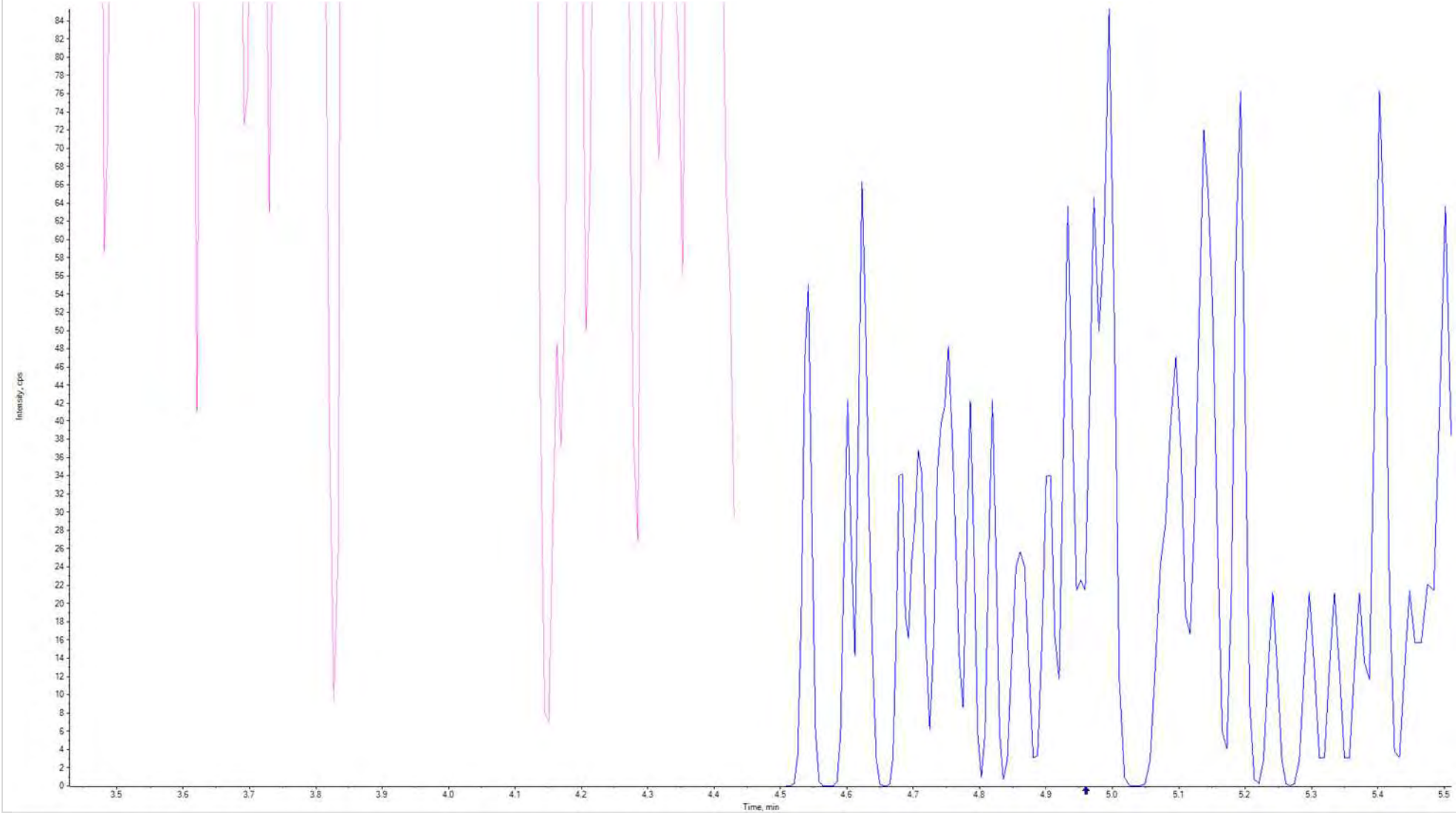


11Cl-PF3OUdS
Sample: L2467934-08 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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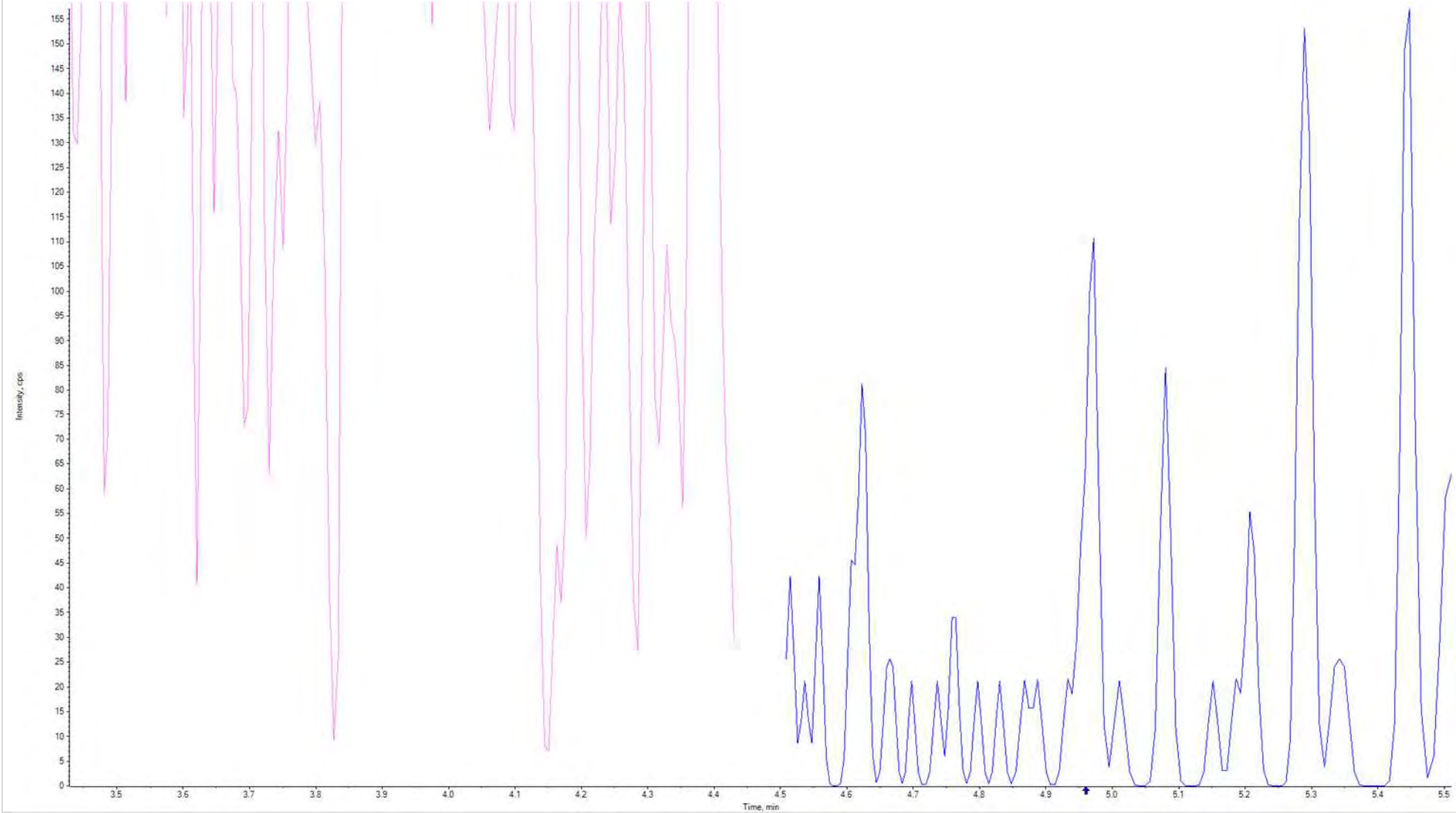
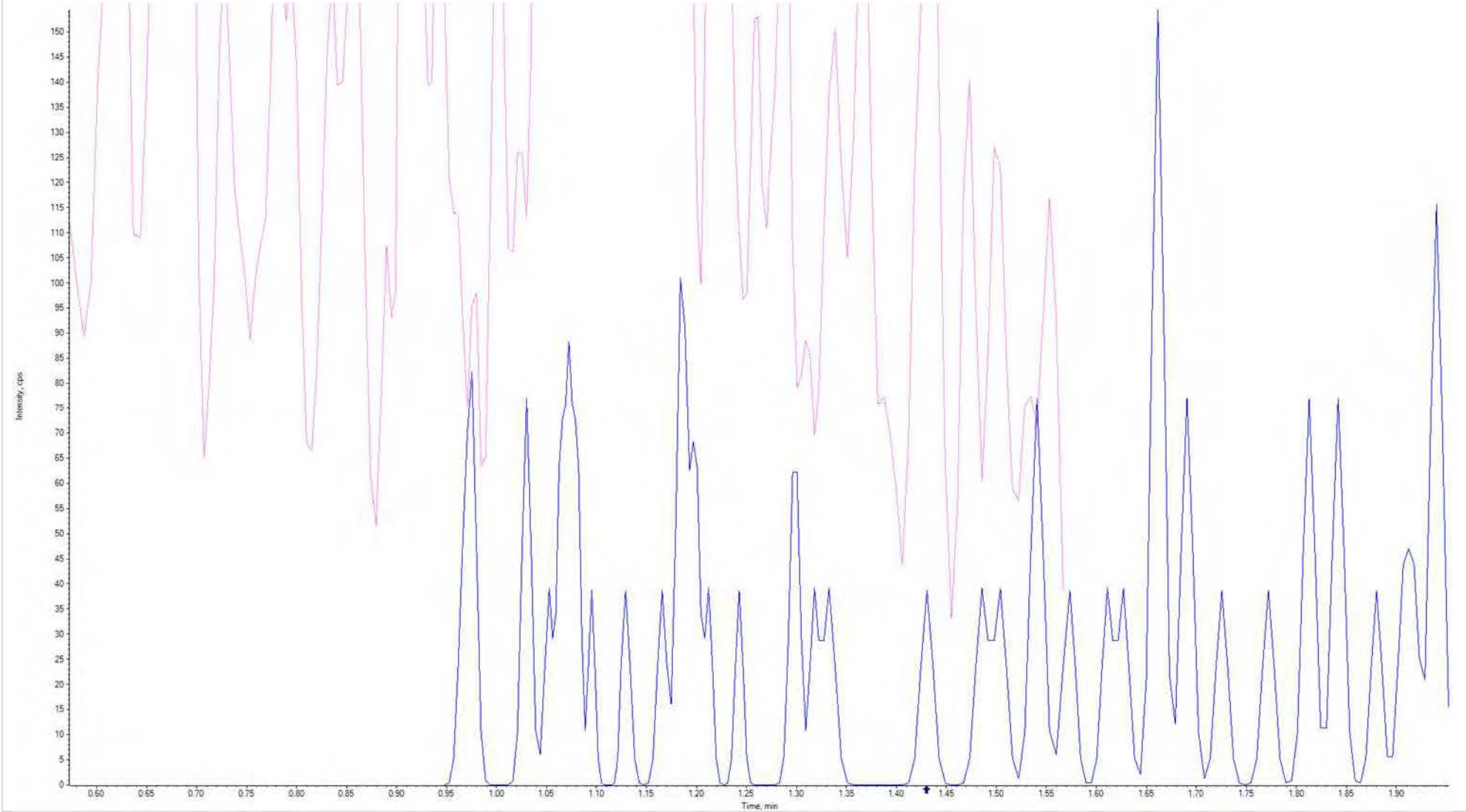
11Cl-PF3OUdS_2
Sample: L2467934-08 S/N:N/A Points Across peak:N/A



3:3FTCA
Sample: L2467934-08 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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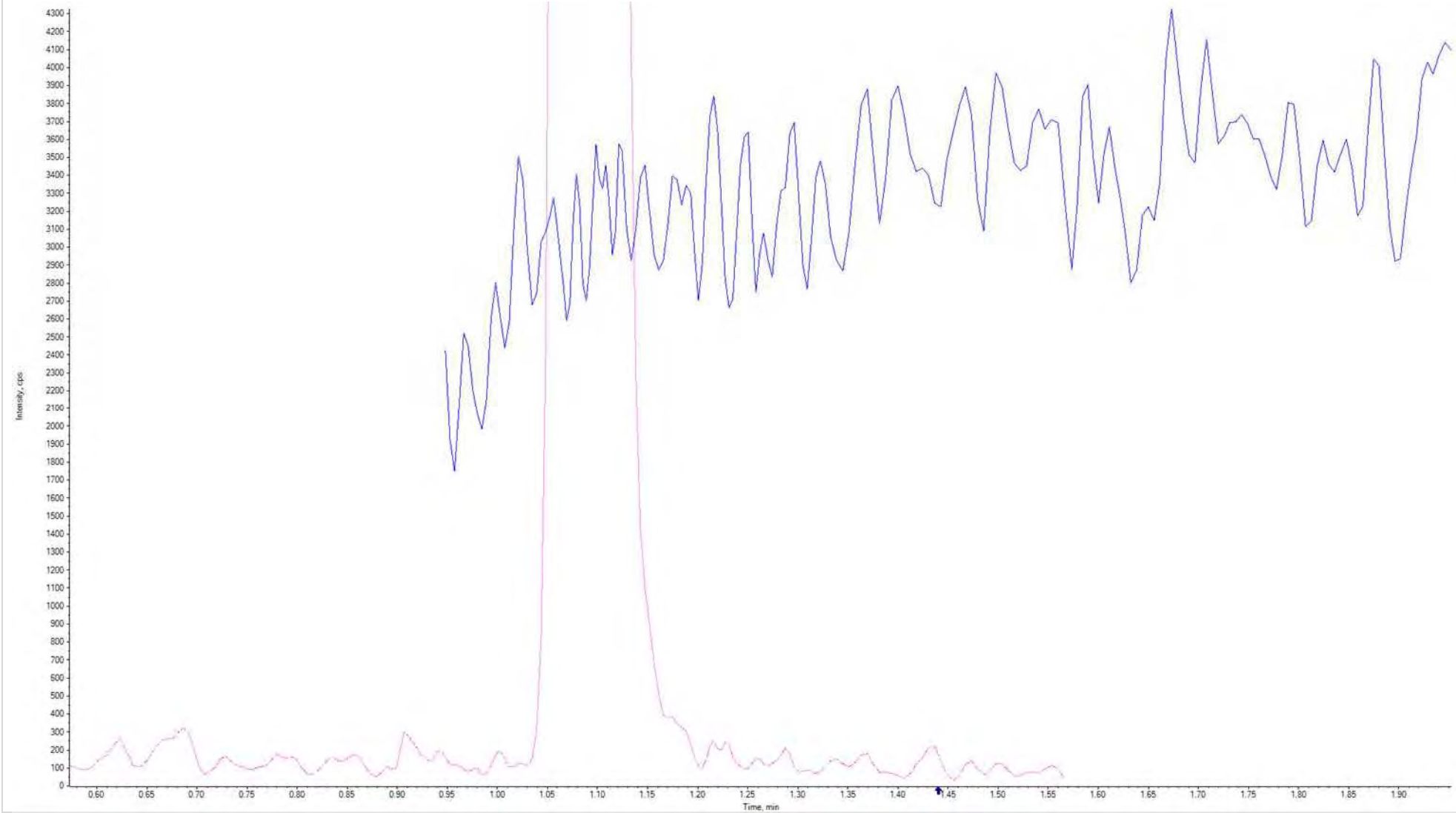
3:3FTCA_2
Sample: L2467934-08 S/N:N/A Points Across peak:N/A



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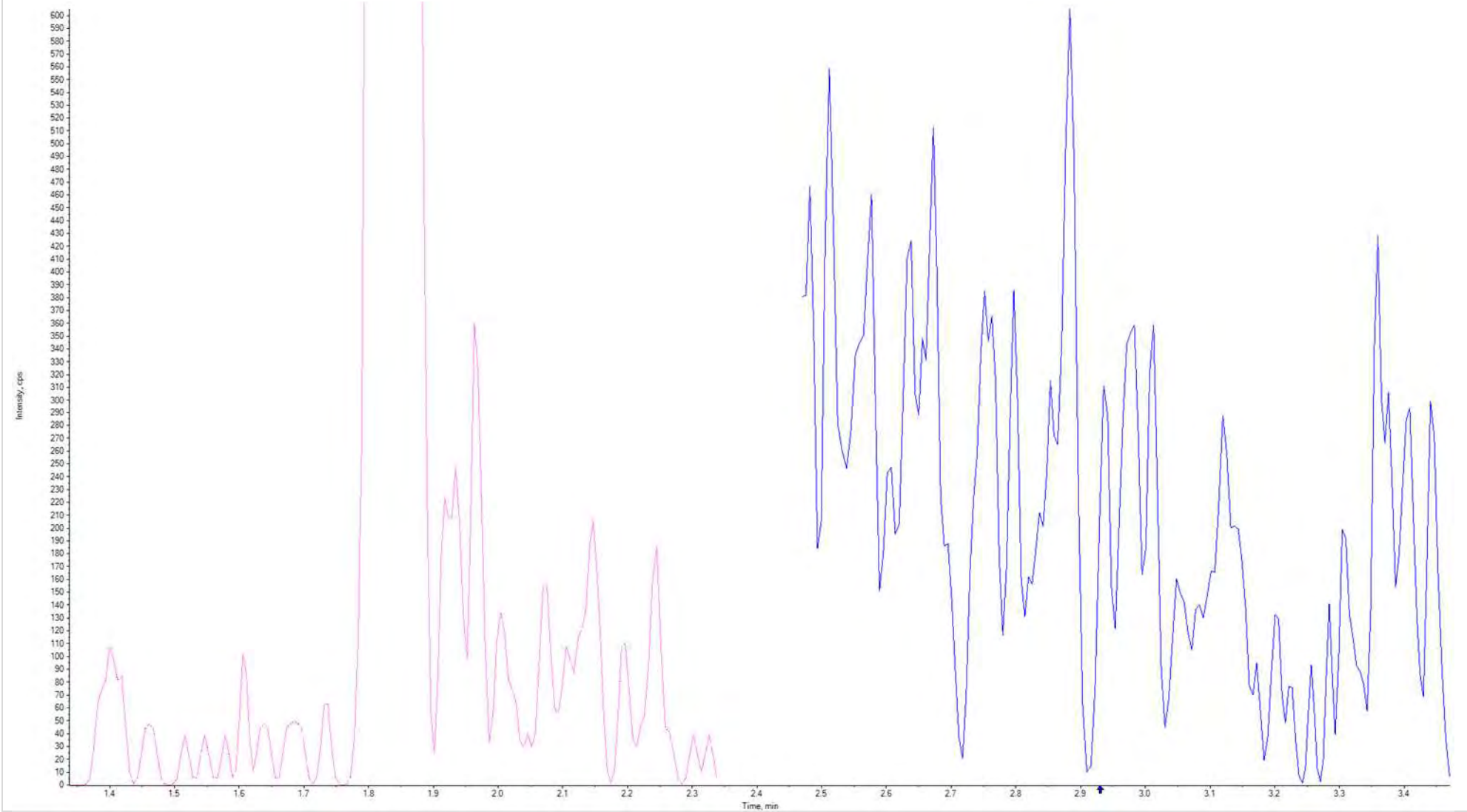
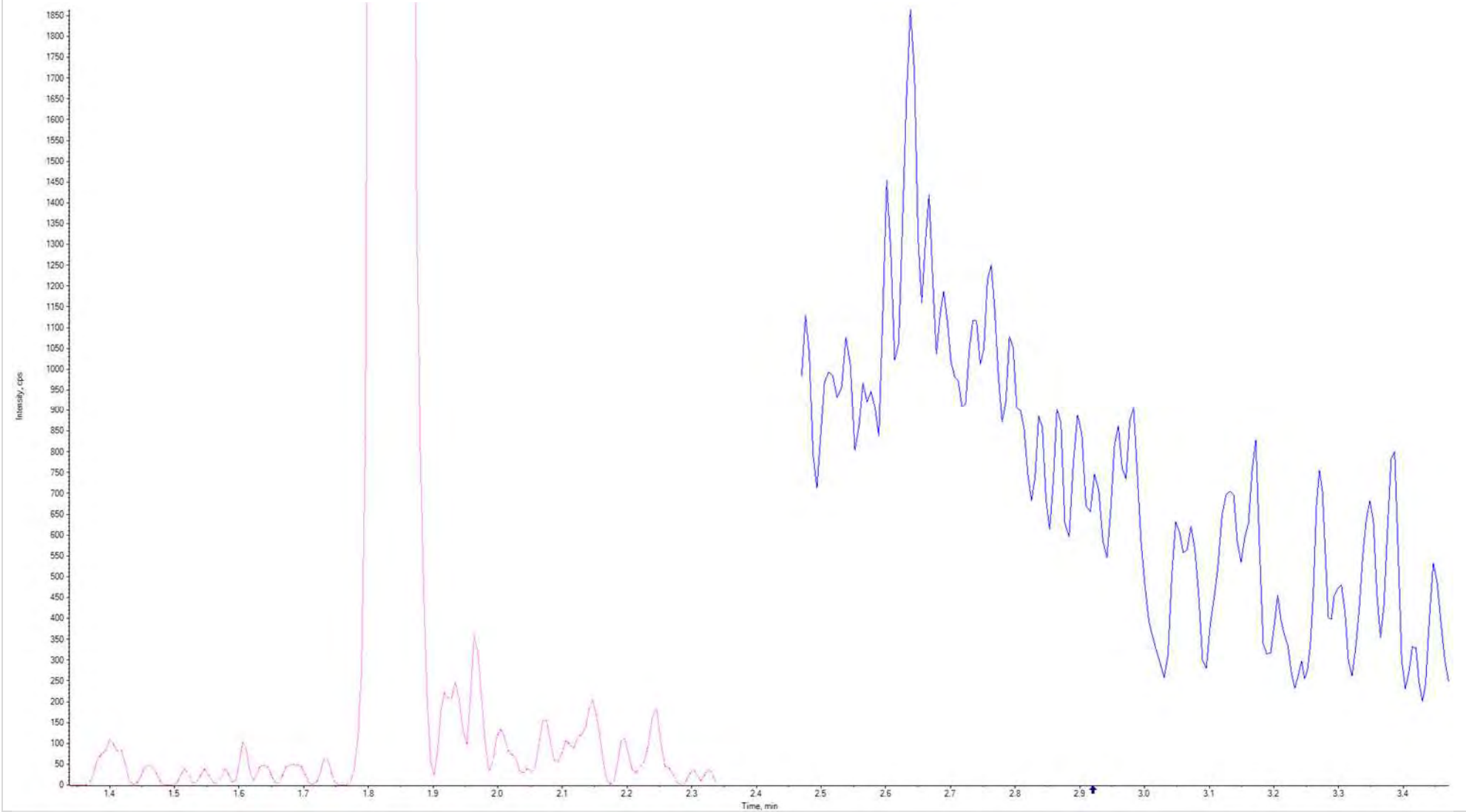
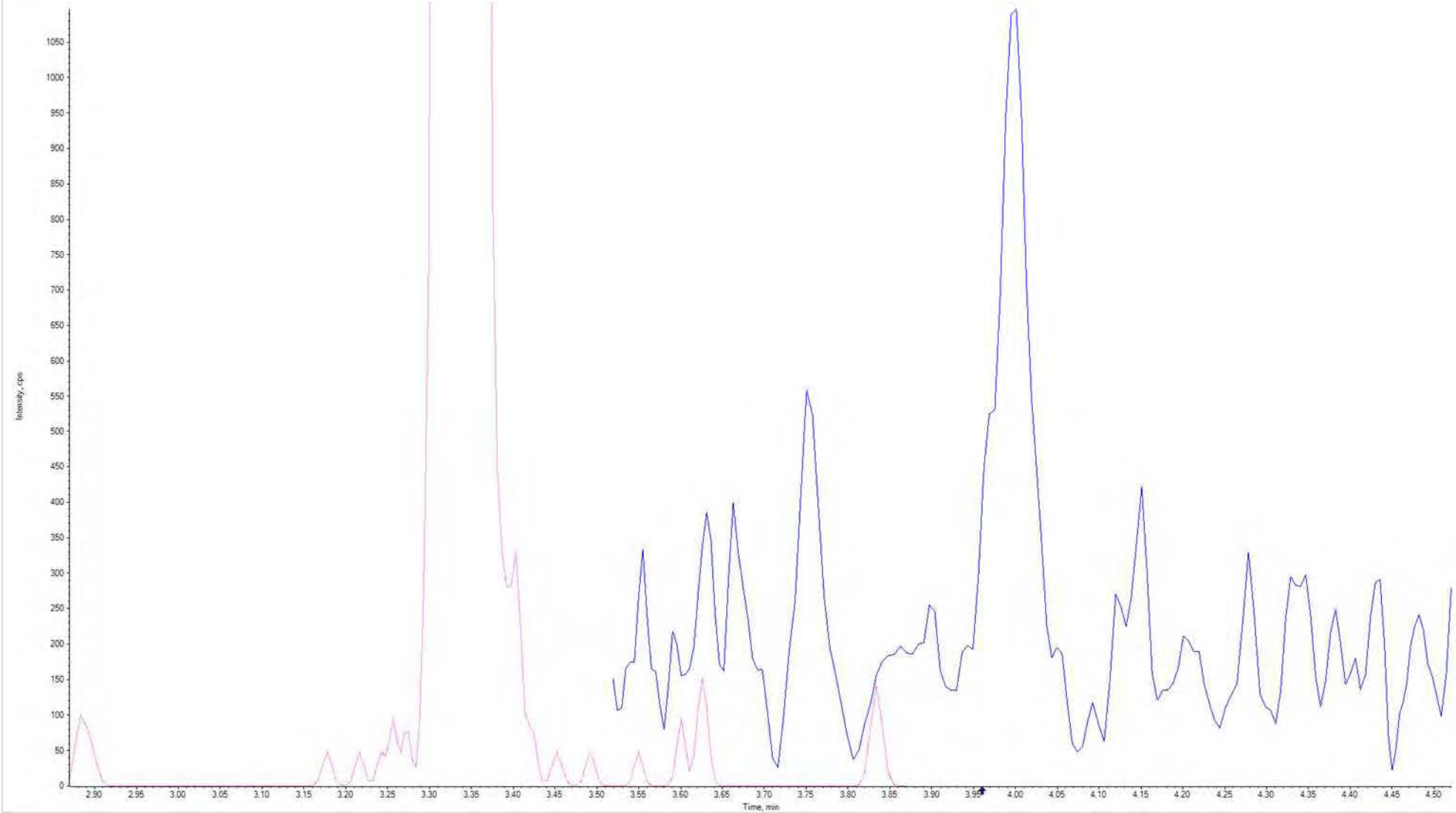
5:3FTCA
Sample: L2467934-08 S/N:N/A Points Across peak:N/A



5:3FTCA_2
Sample: L2467934-08 S/N:N/A Points Across peak:N/A



7:3FTCA
Sample: L2467934-08 S/N:N/A Points Across peak:N/A



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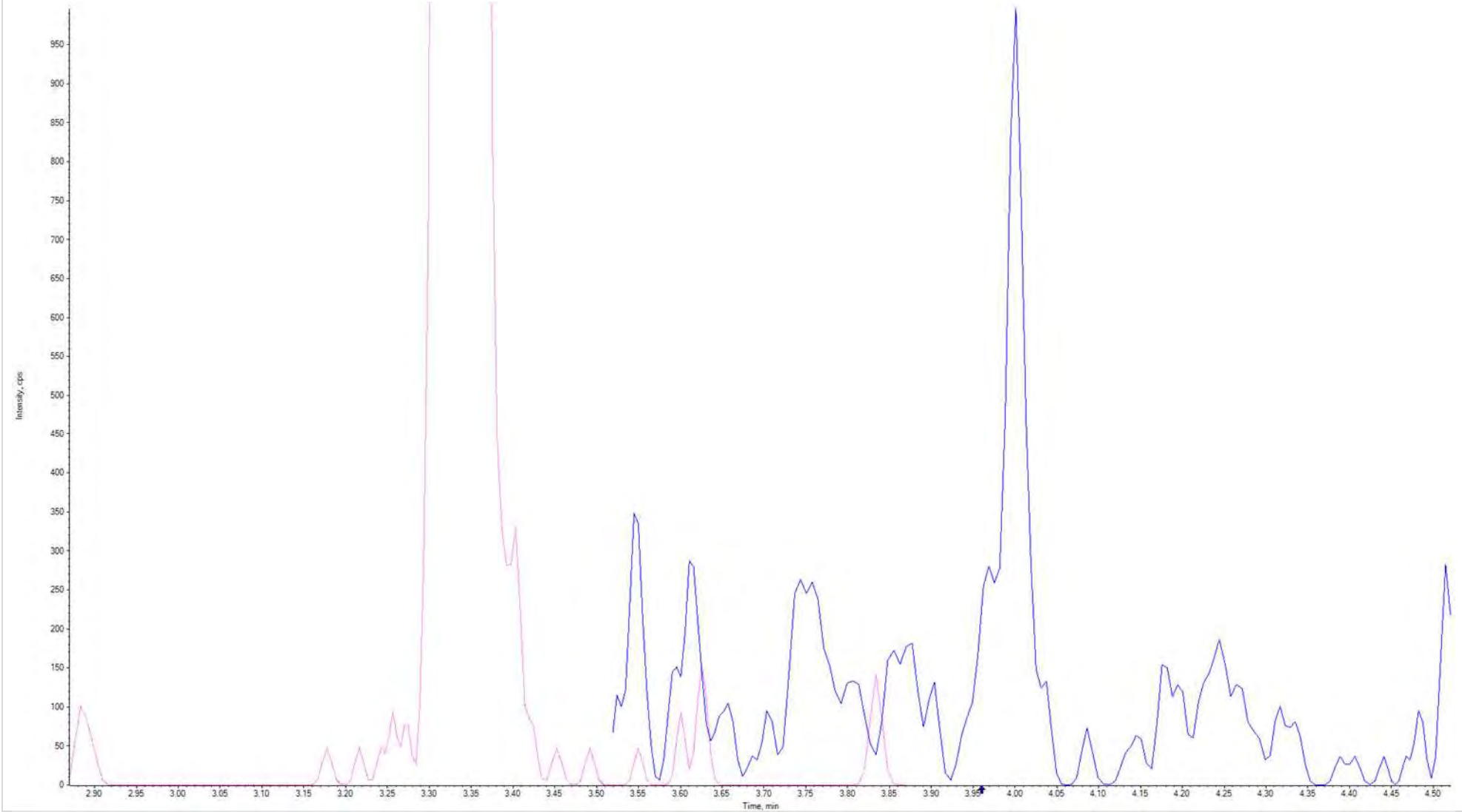
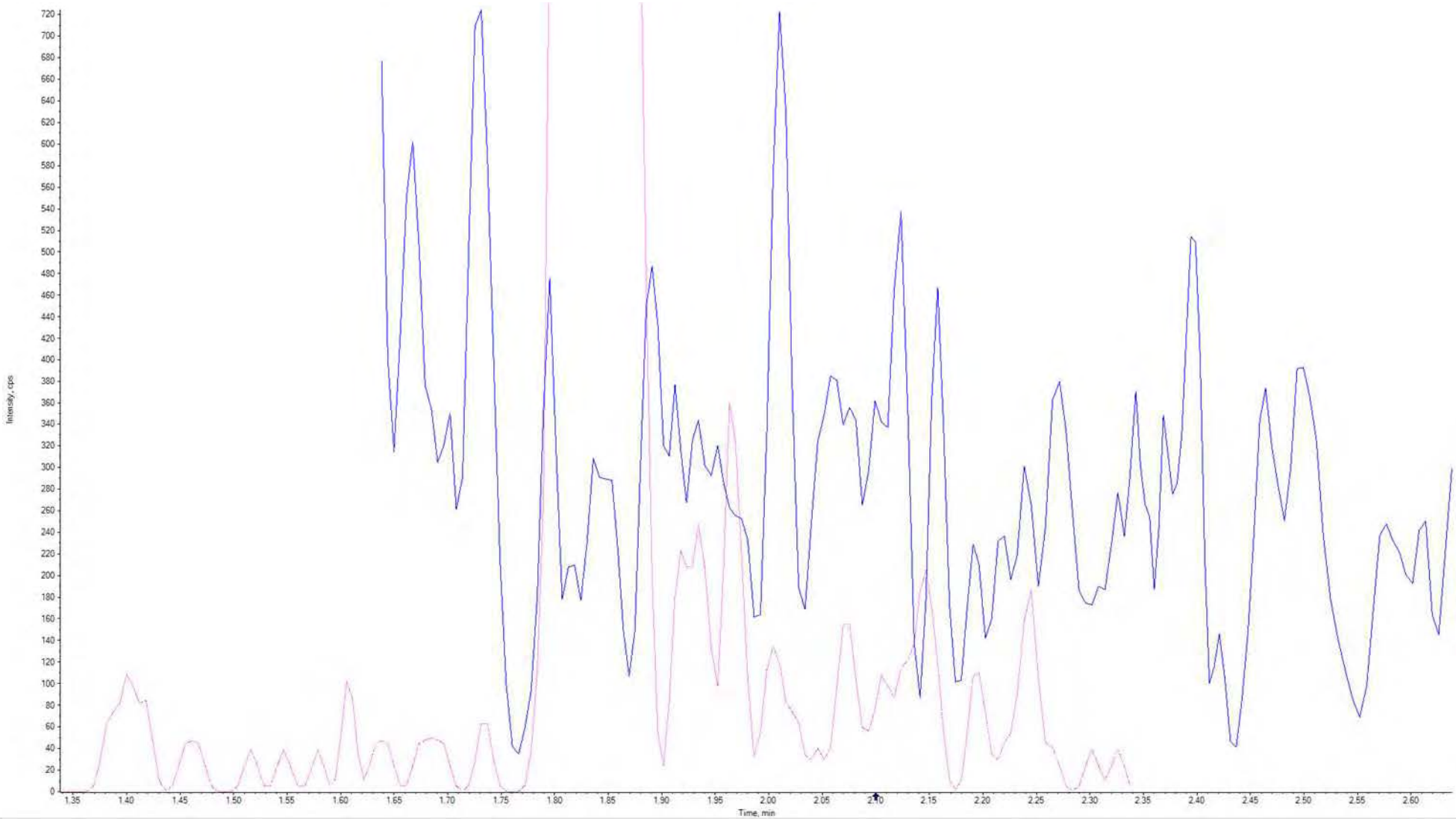
7:3FTCA_2
Sample: L2467934-08 S/N:N/A Points Across peak:N/A



PFEESA
Sample: L2467934-08 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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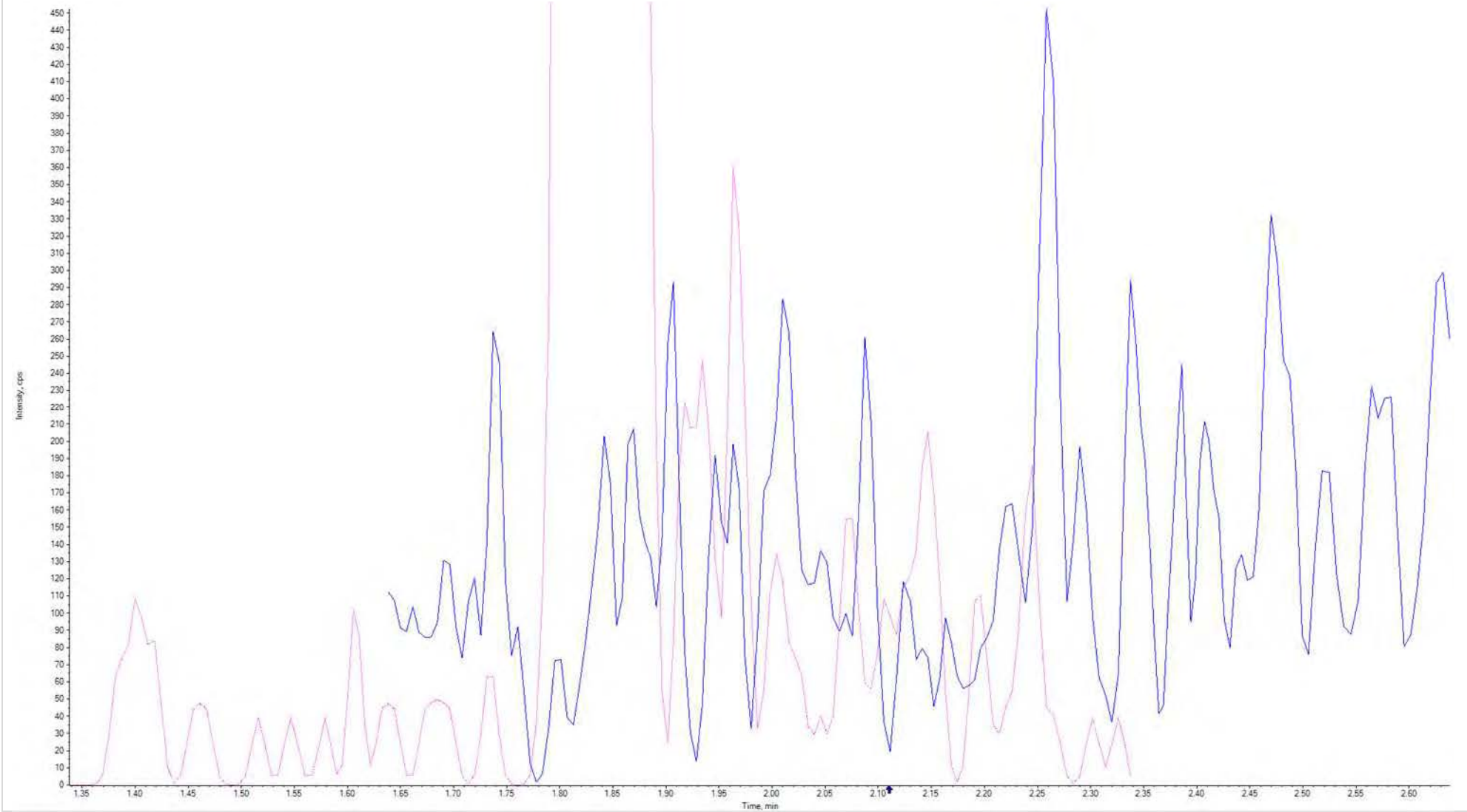
PFEESA_2
Sample: L2467934-08 S/N:N/A Points Across peak:N/A



PFMPA
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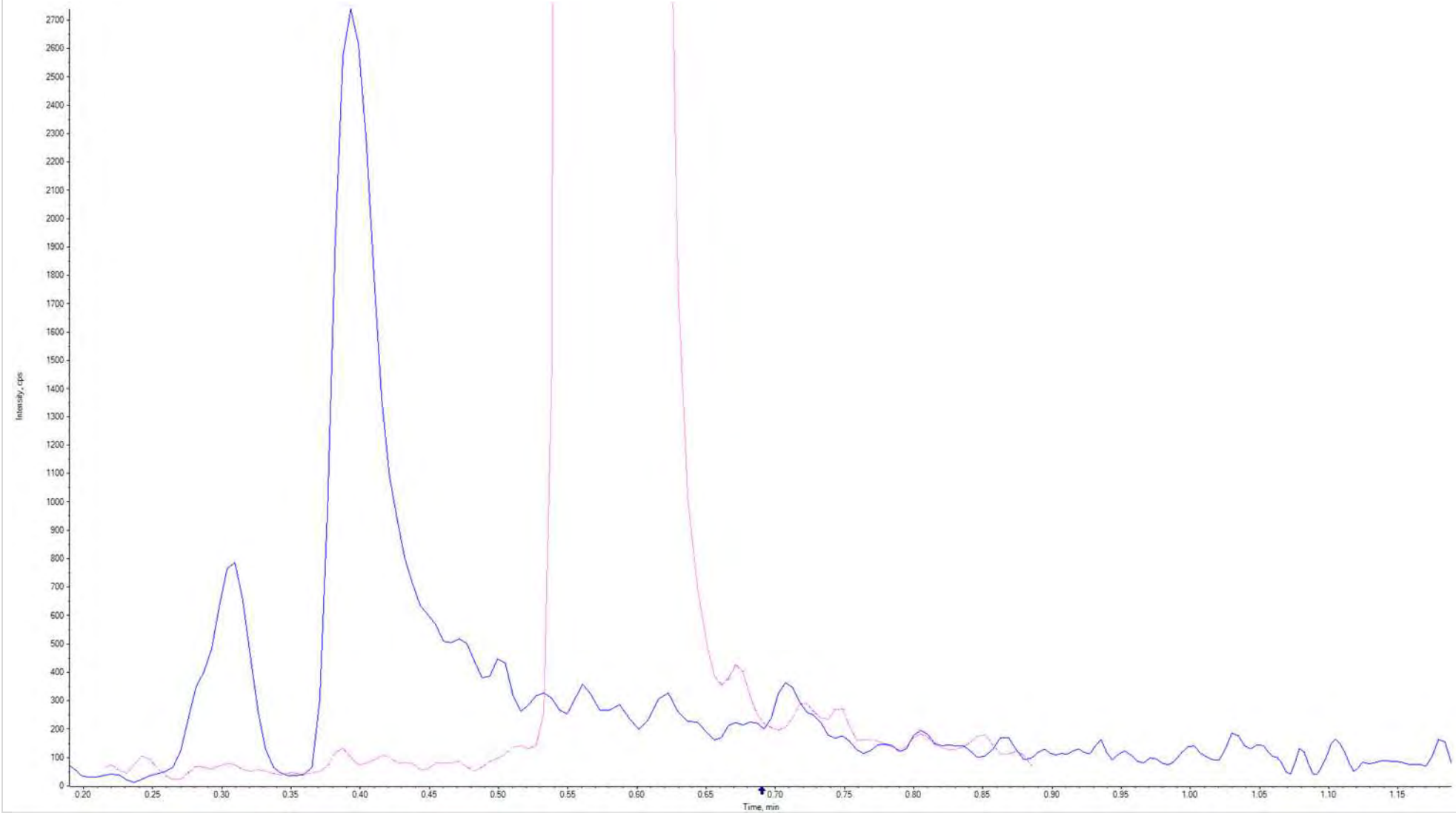

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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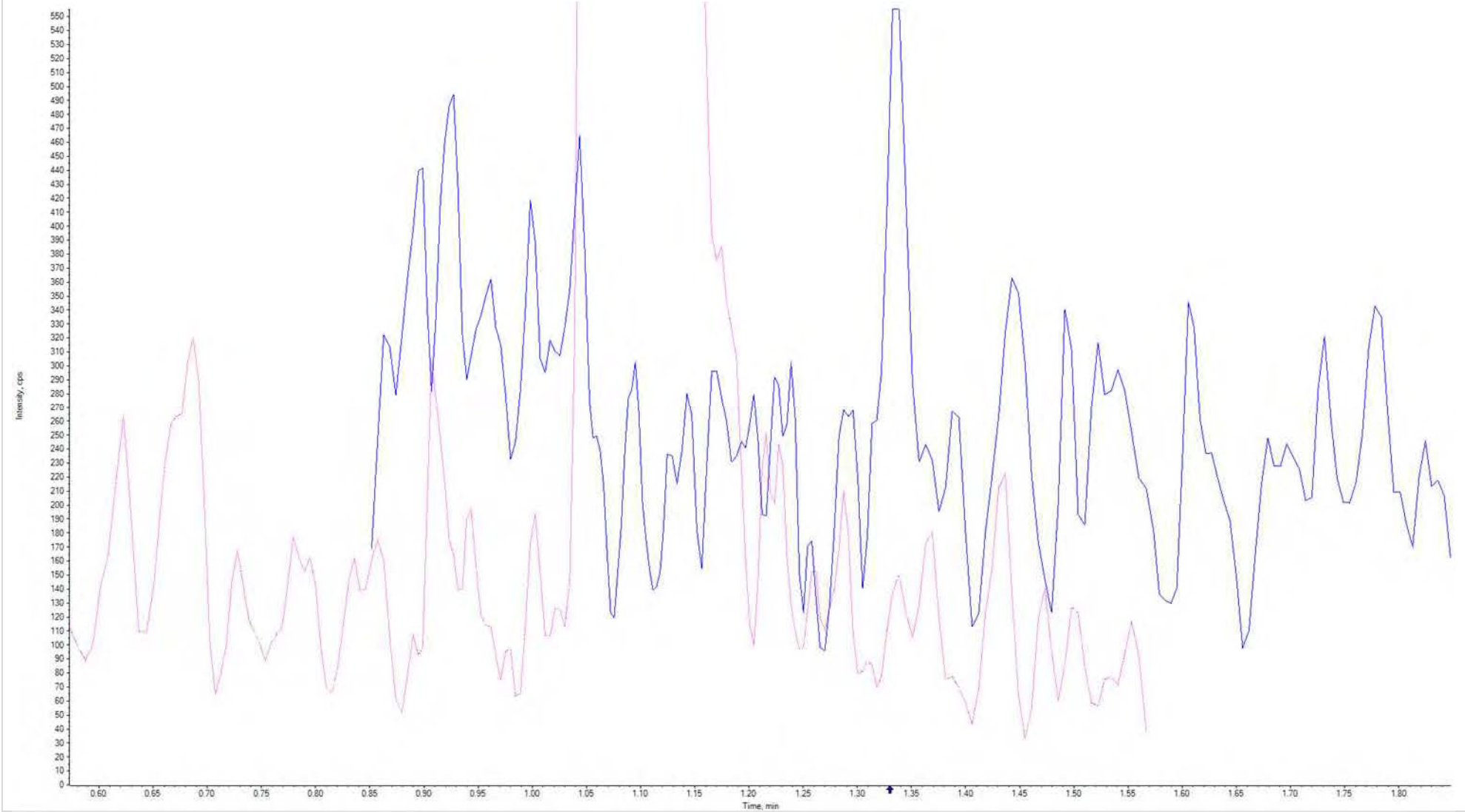
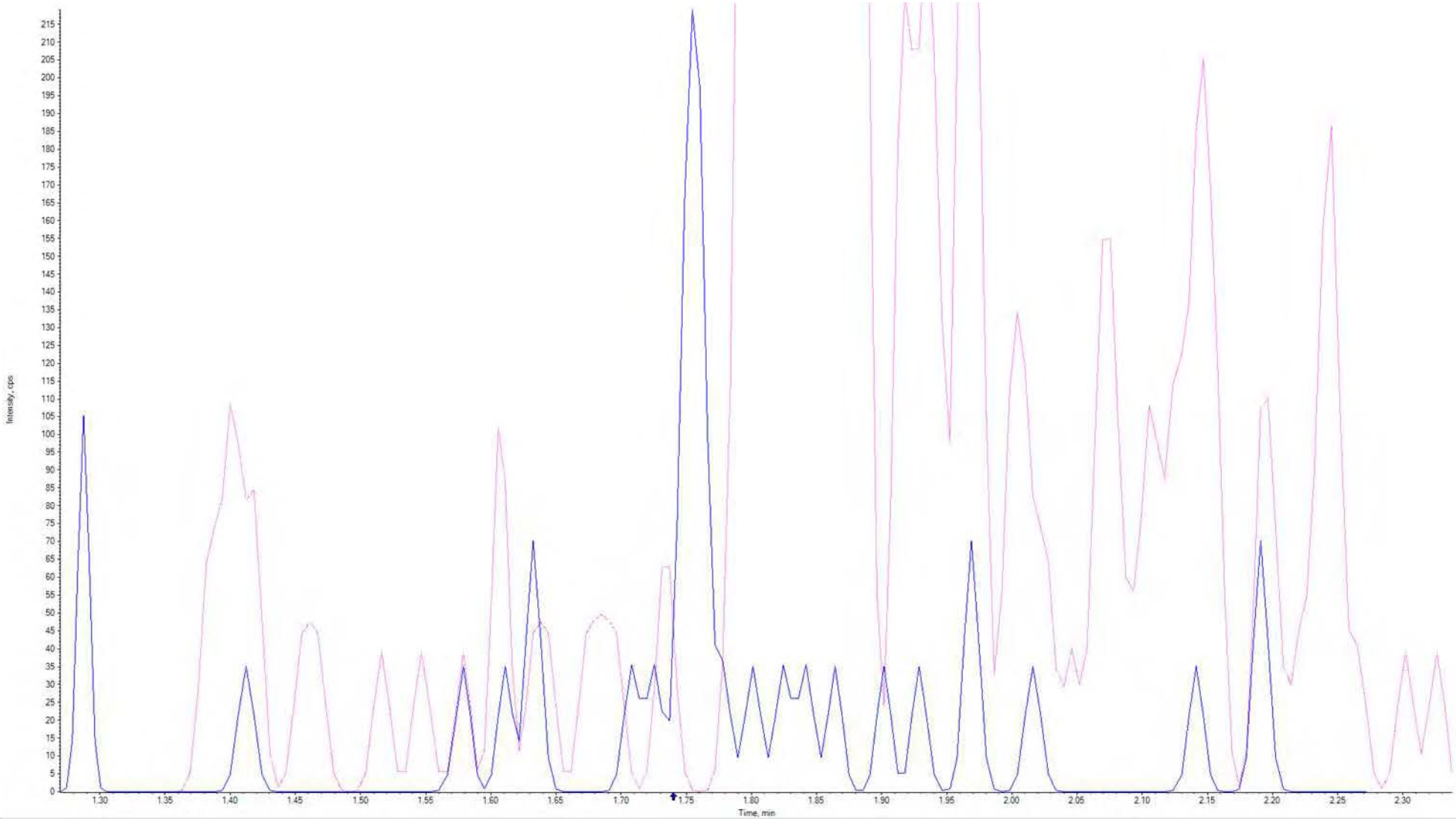
PFMBA
Sample: L2467934-08 S/N:N/A Points Across peak:N/A



NFDHA
Sample: L2467934-08 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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NFDHA_2
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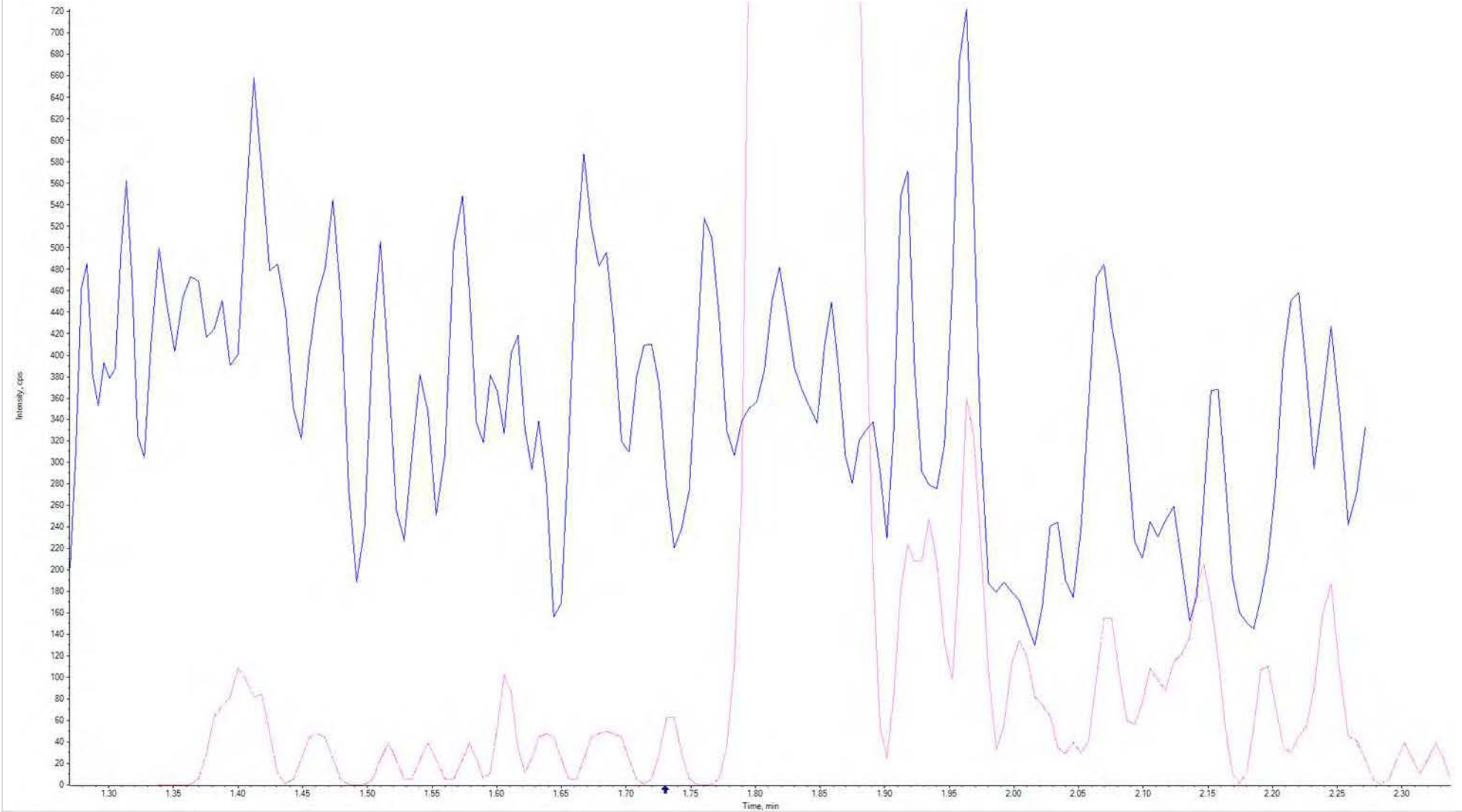

TDCA
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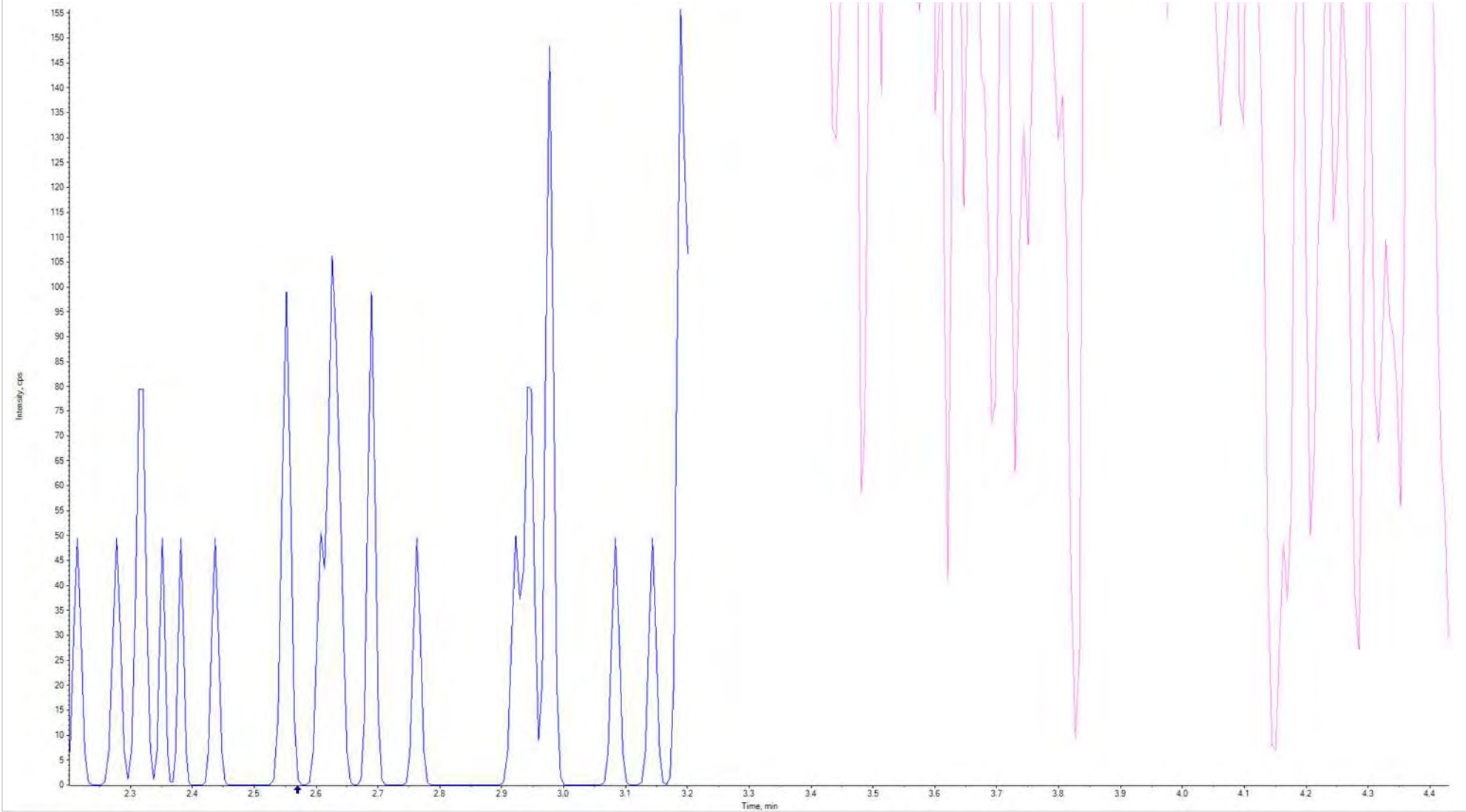

TDCA_2
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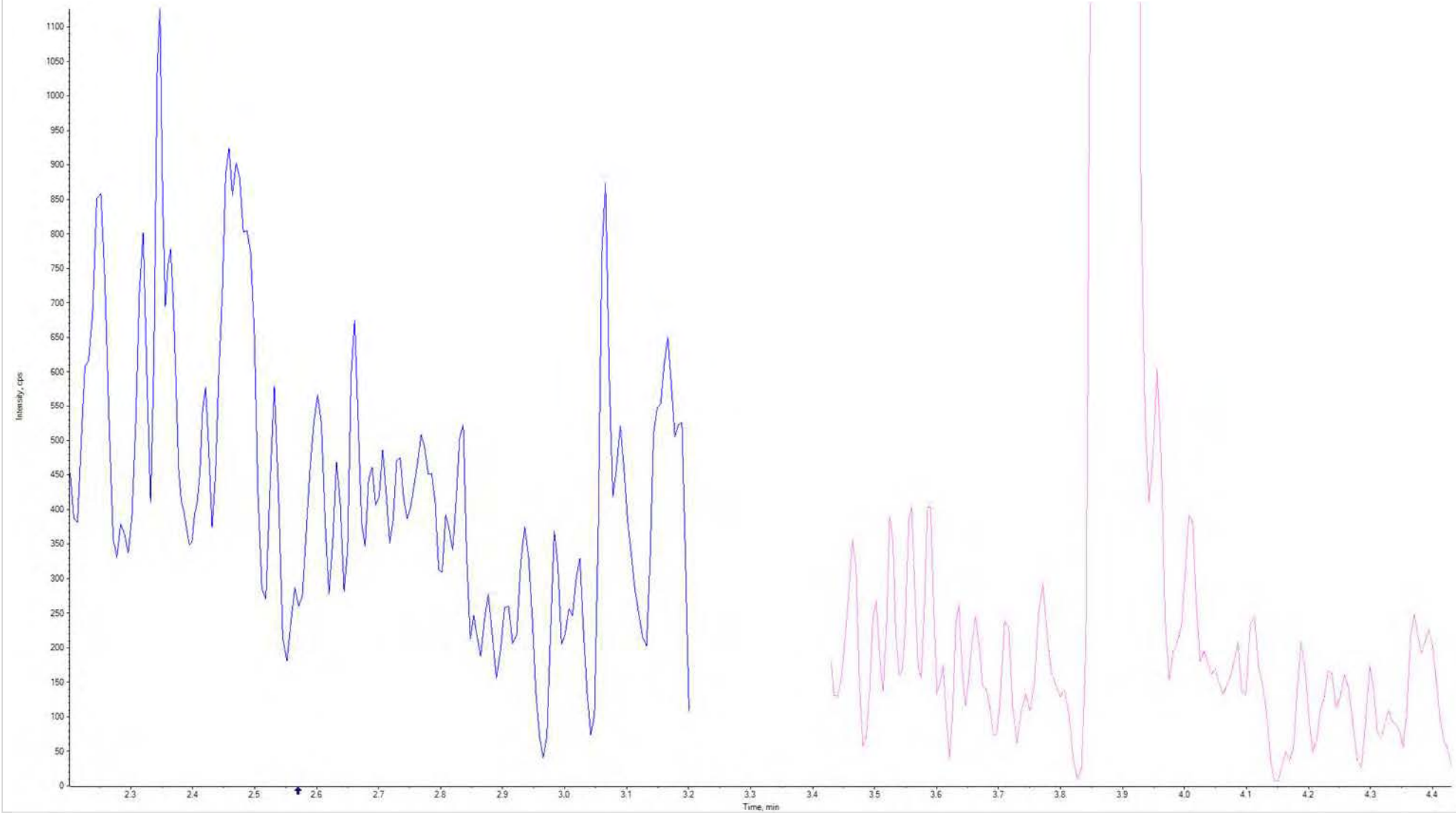

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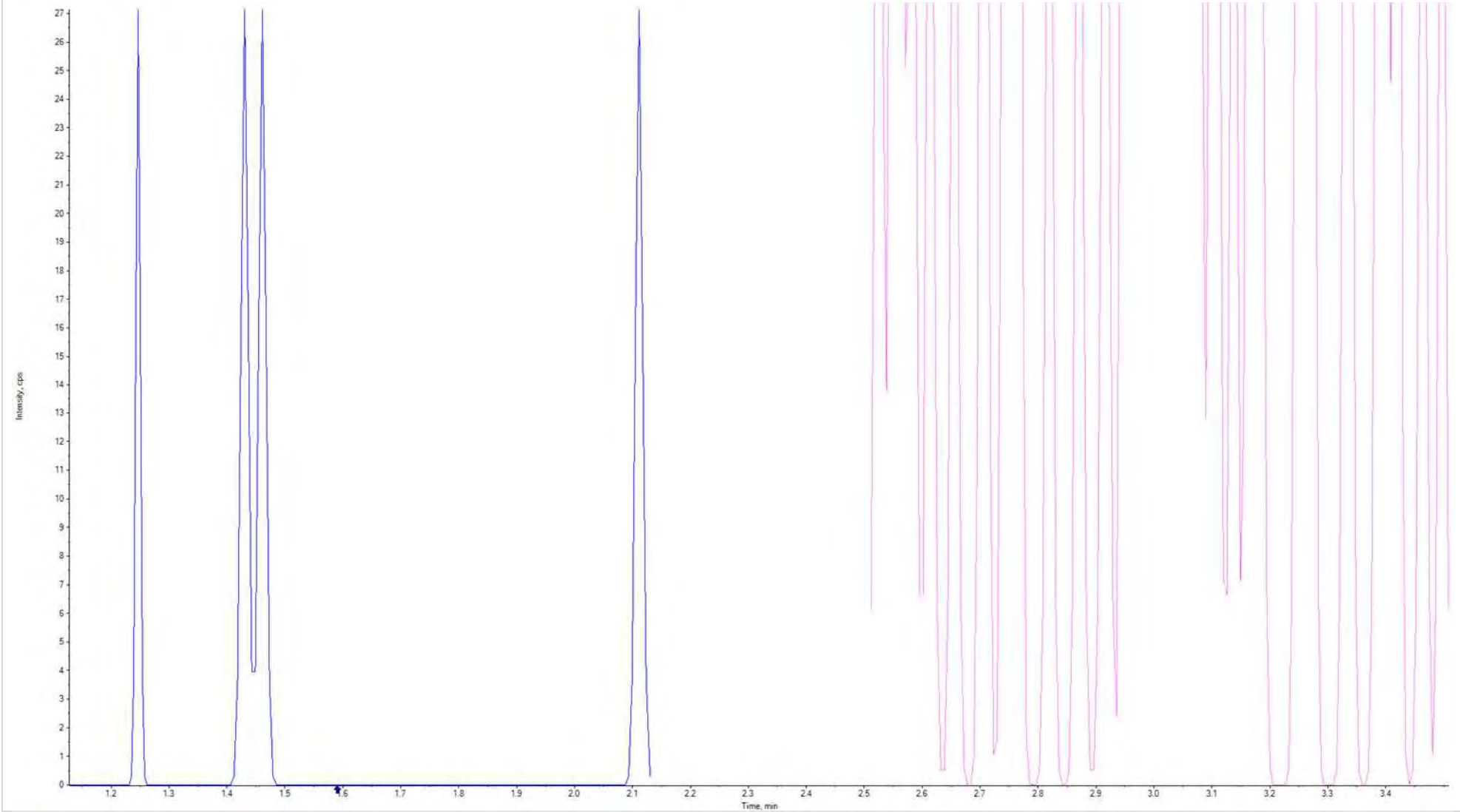
13C2D4-4:2FTS
Sample: L2467934-08 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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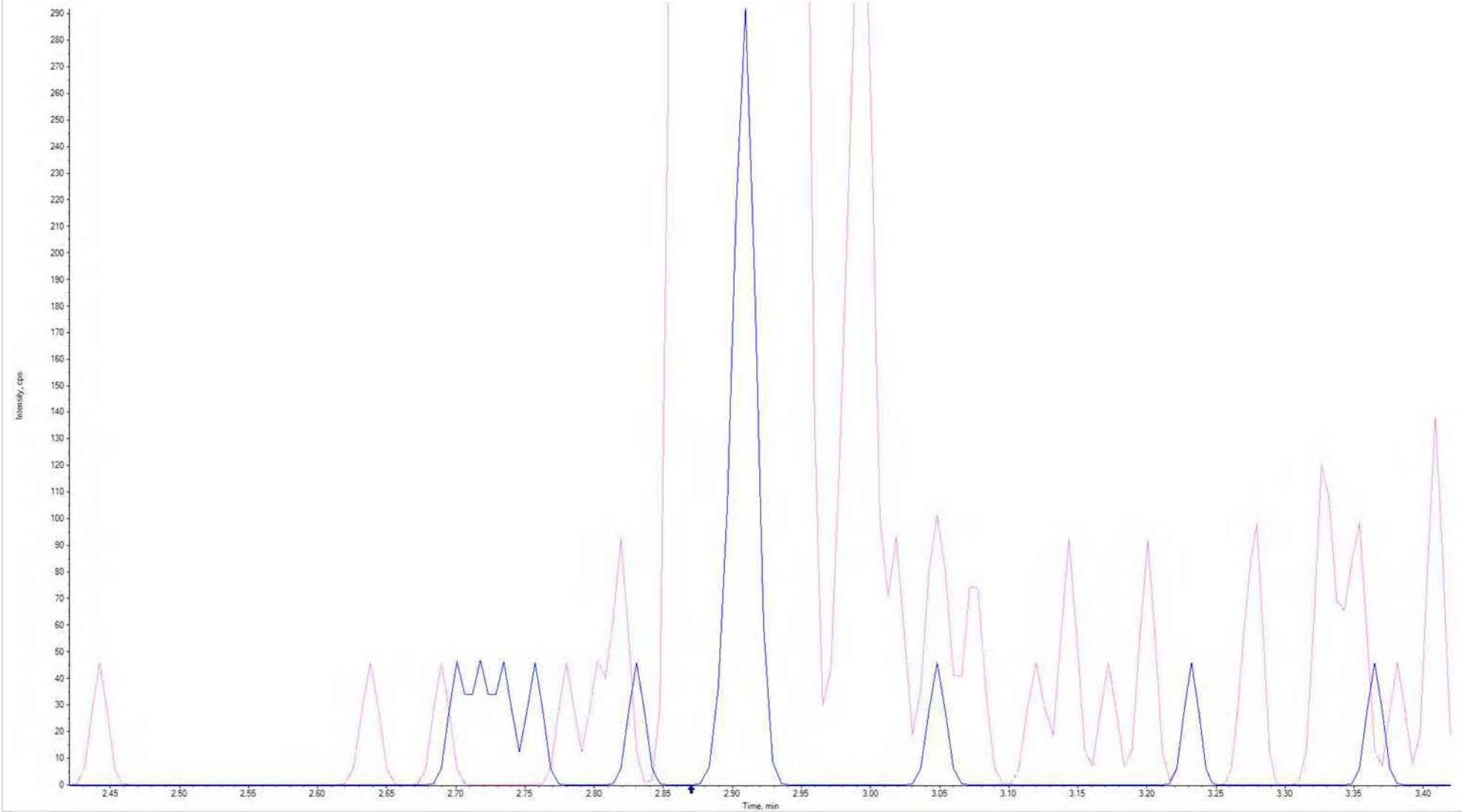
13C2-PFOA
Sample: L2467934-08 S/N:N/A Points Across peak:N/A



13C4-PFBA
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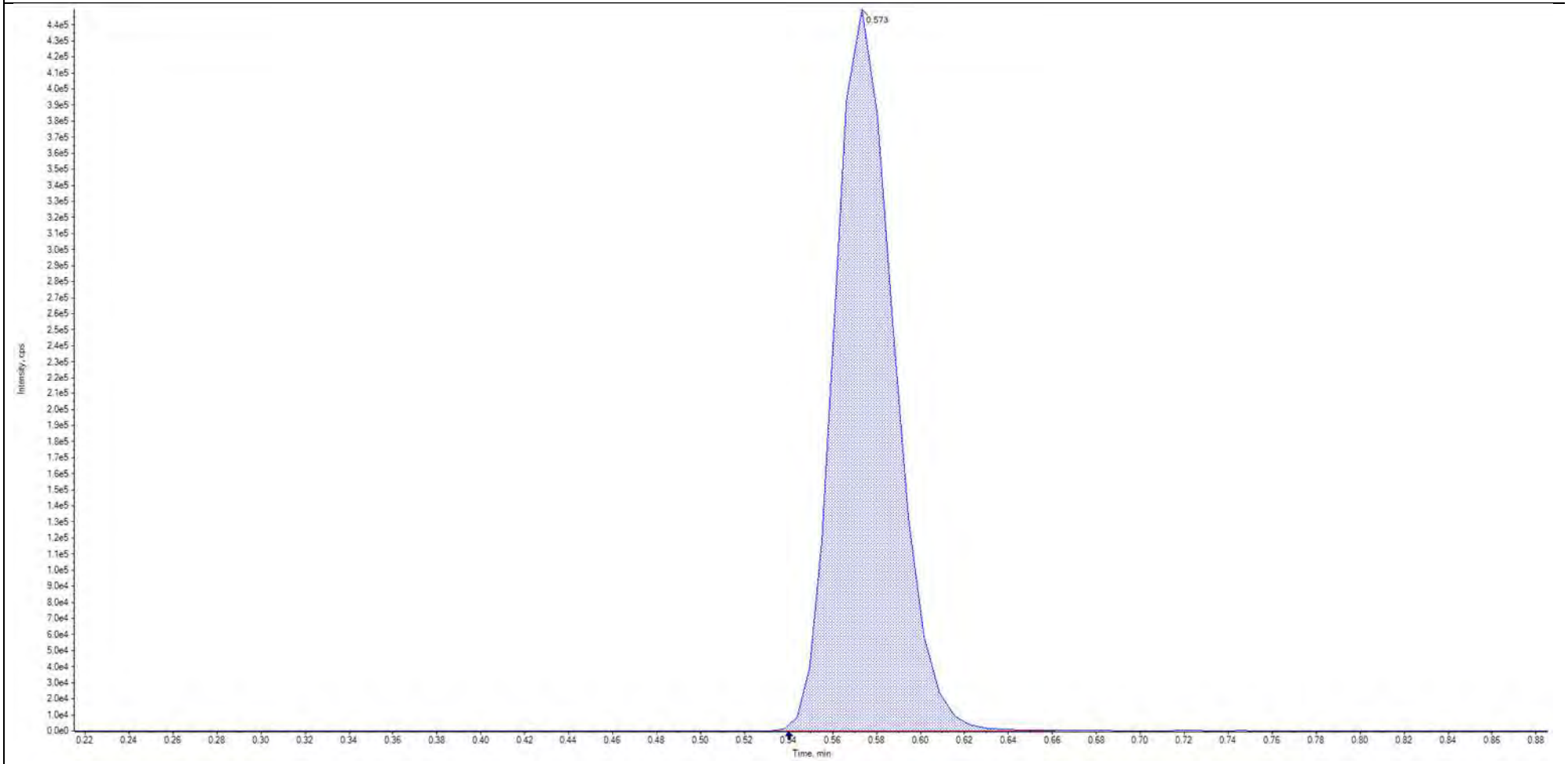

13C5-PFPeA
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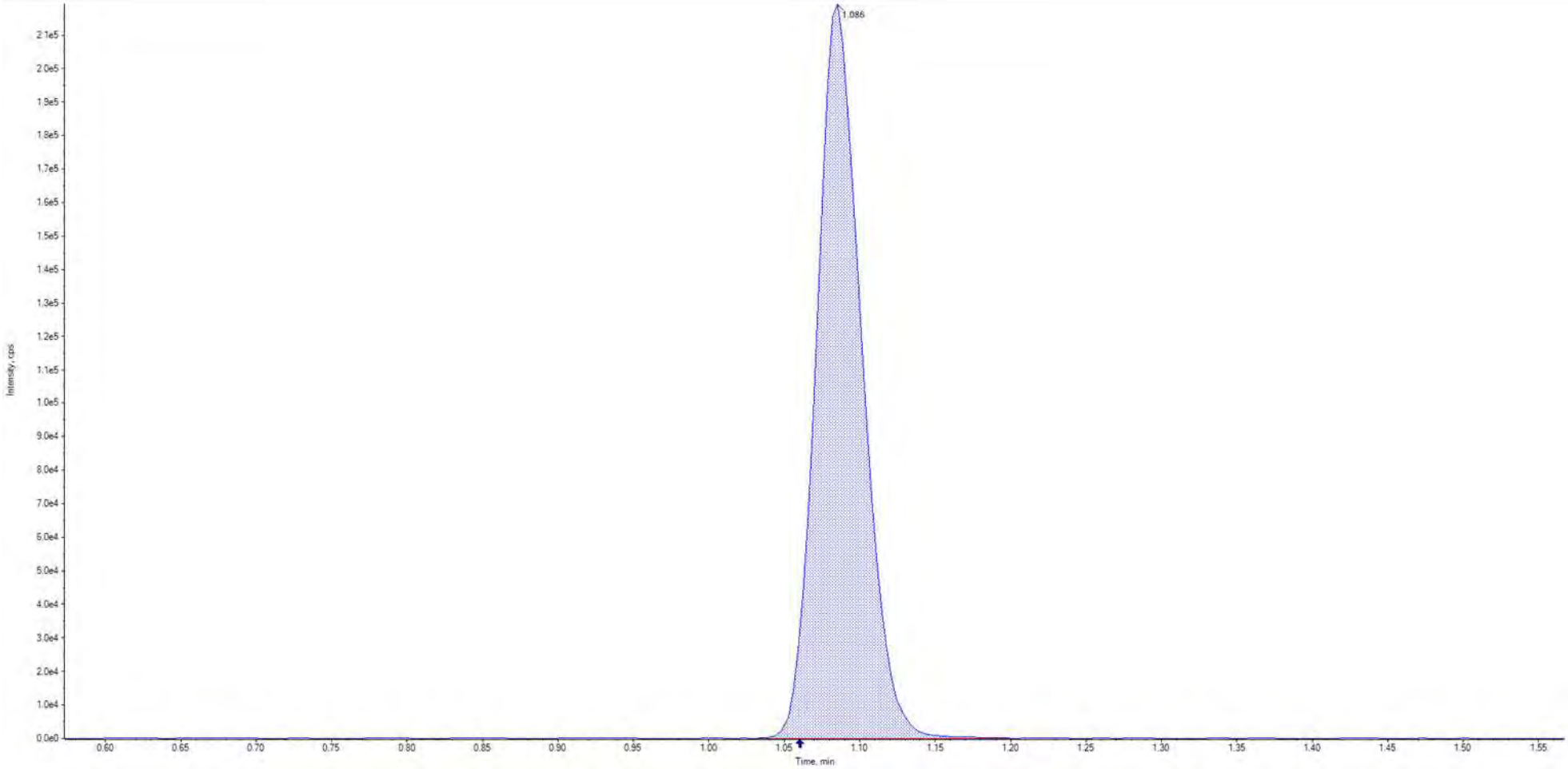

13C5-PFHxA
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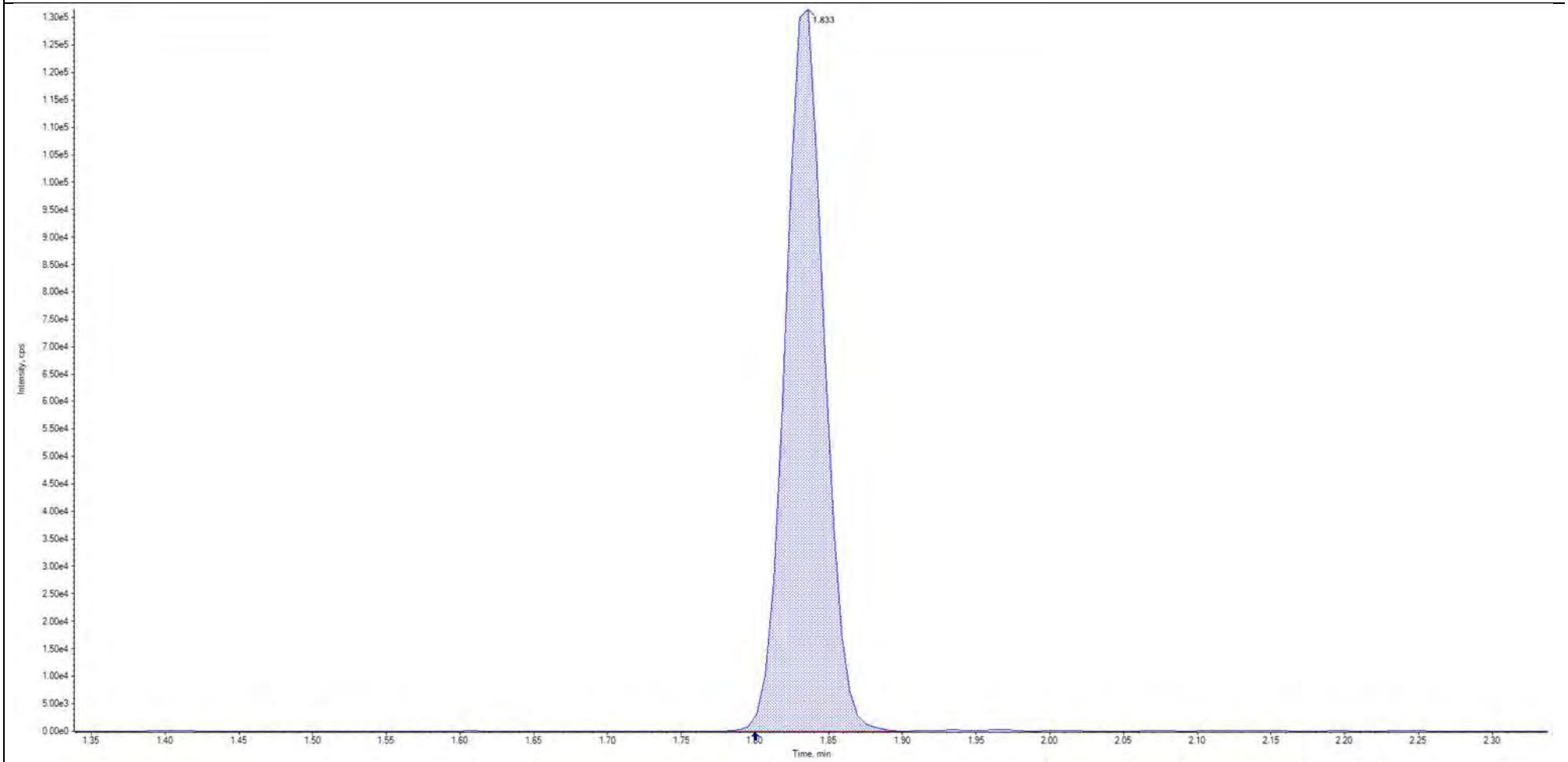

13C4-PFHpA
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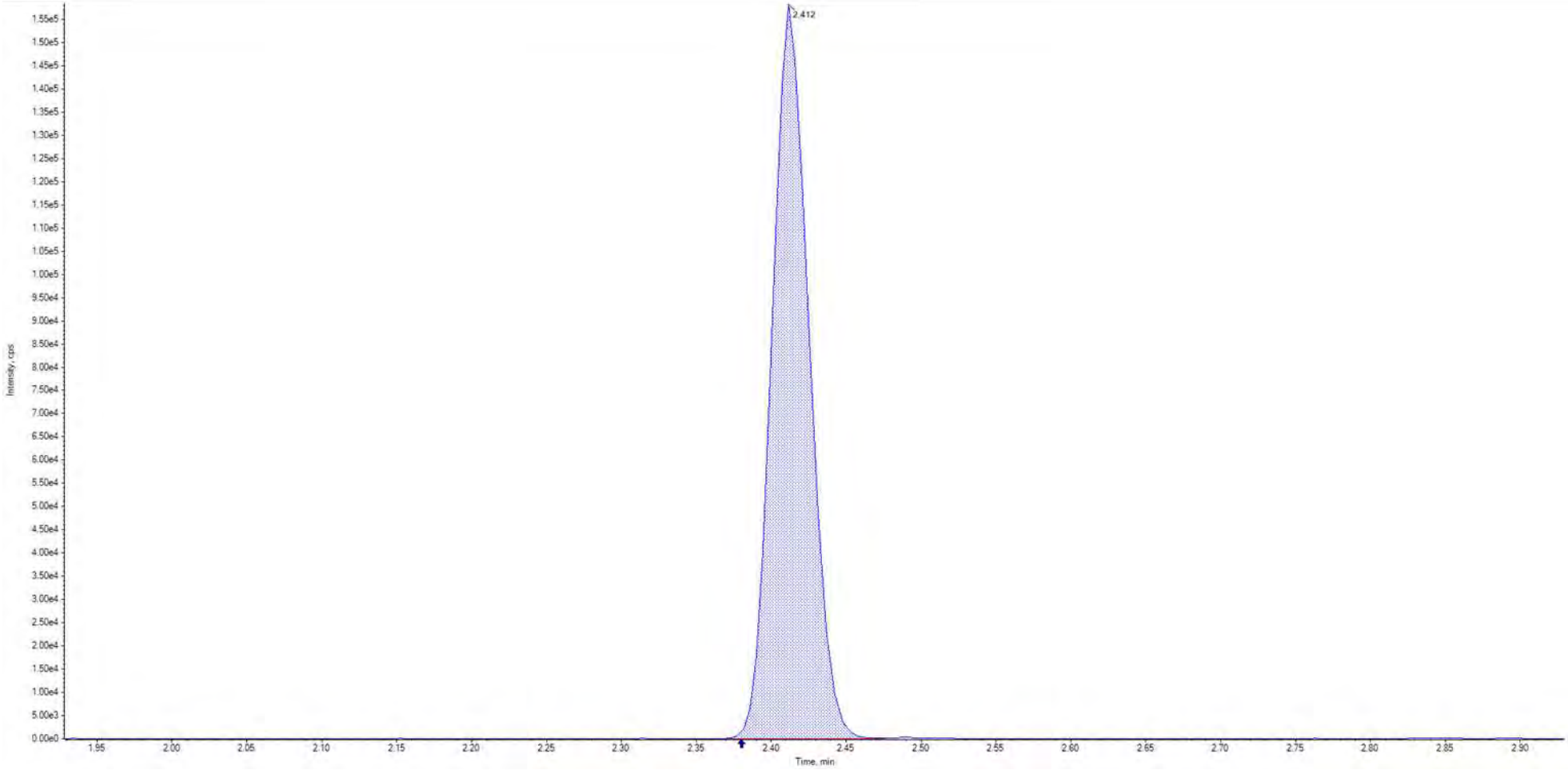
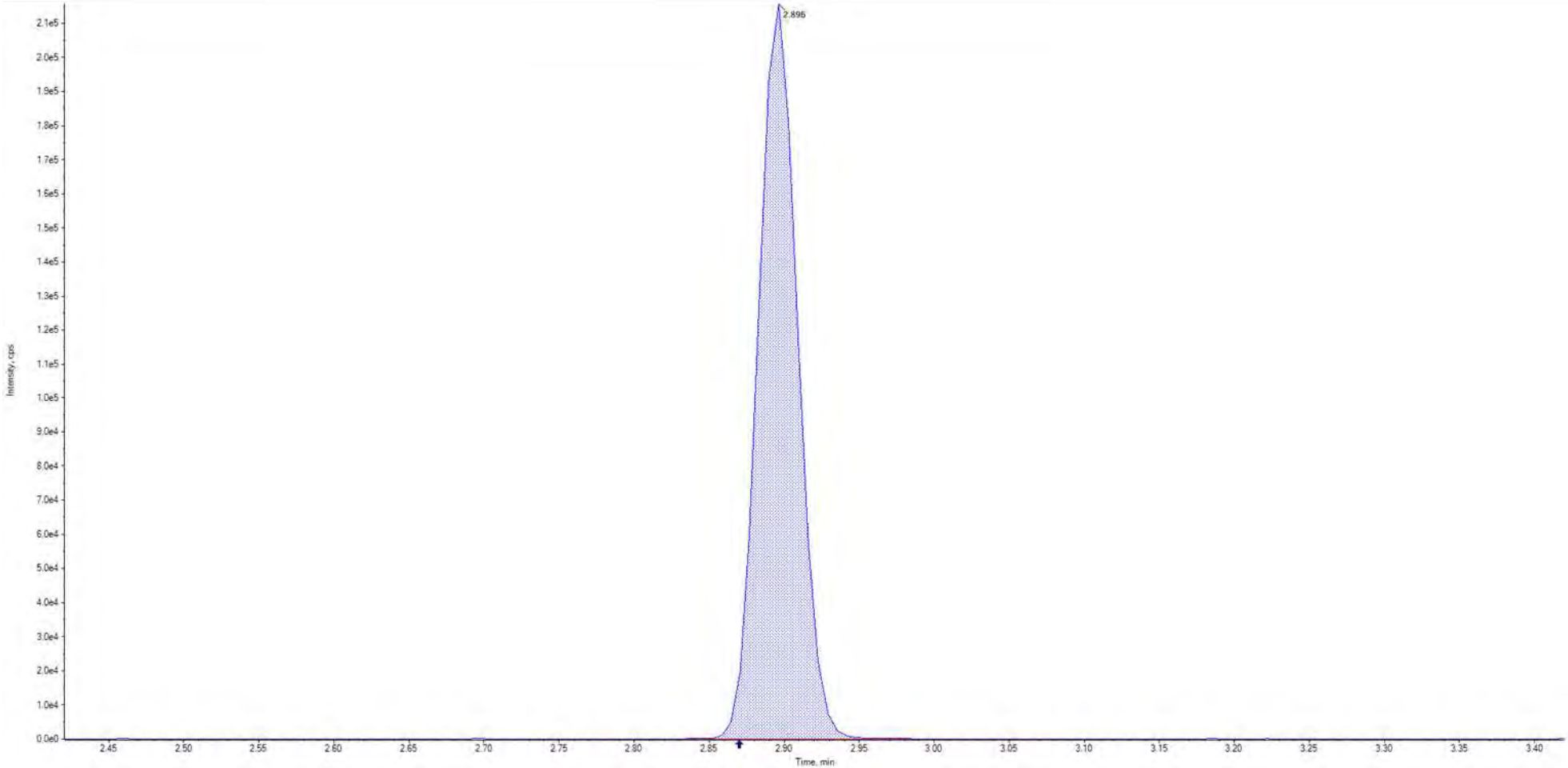


13C8-PFOA
Sample: L2467934-08



13C9-PFNA
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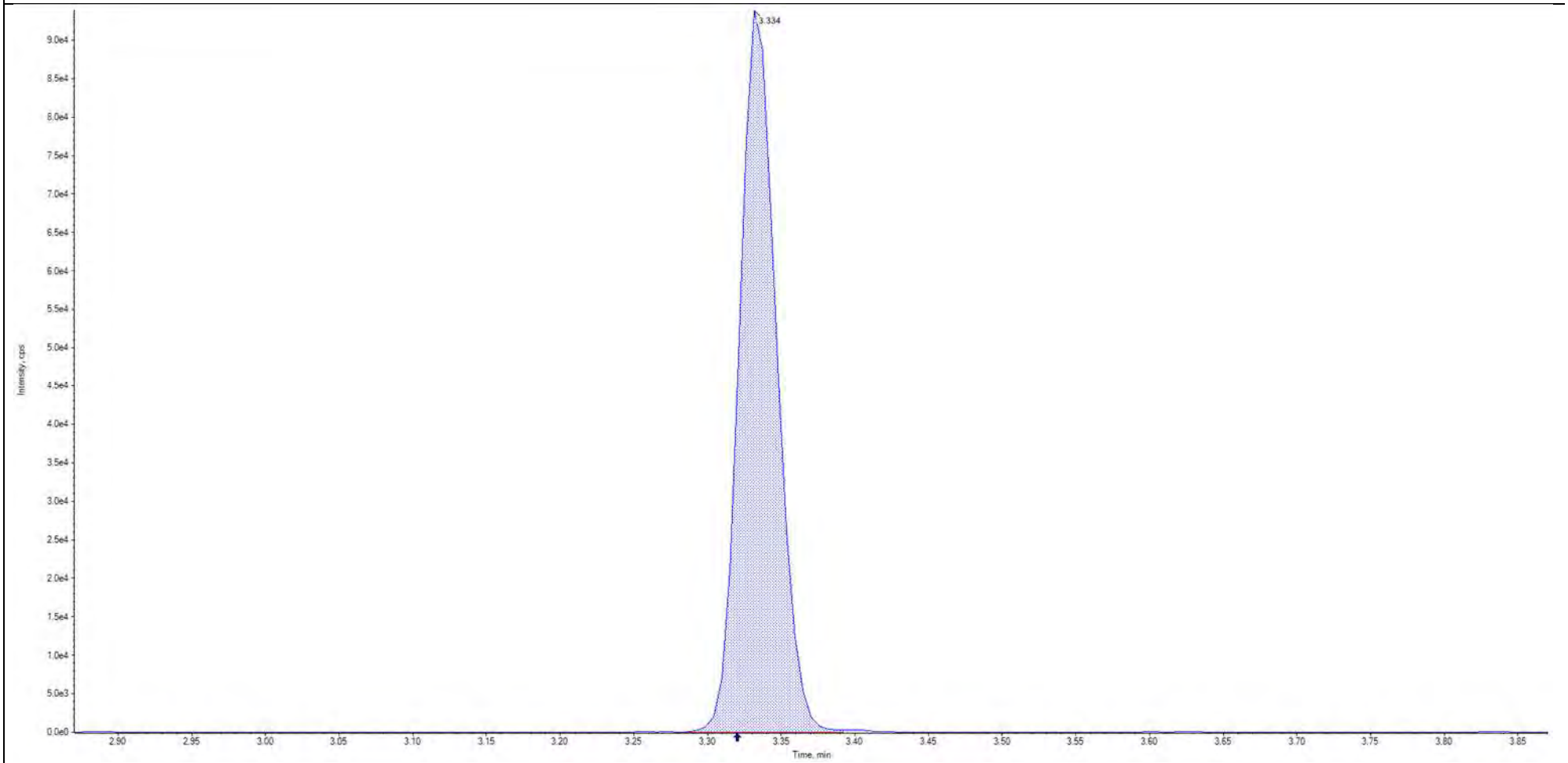

13C6-PFDA
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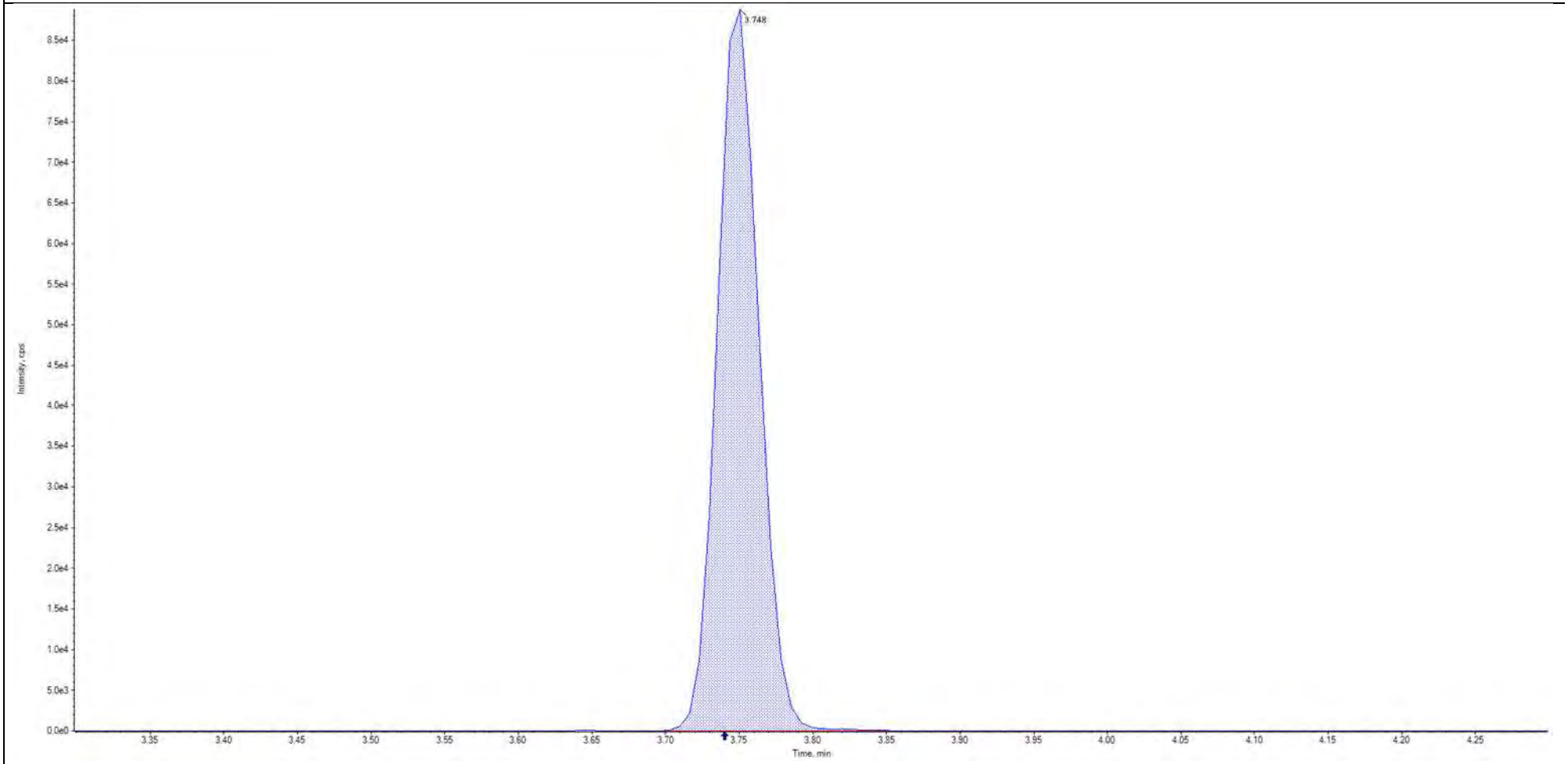
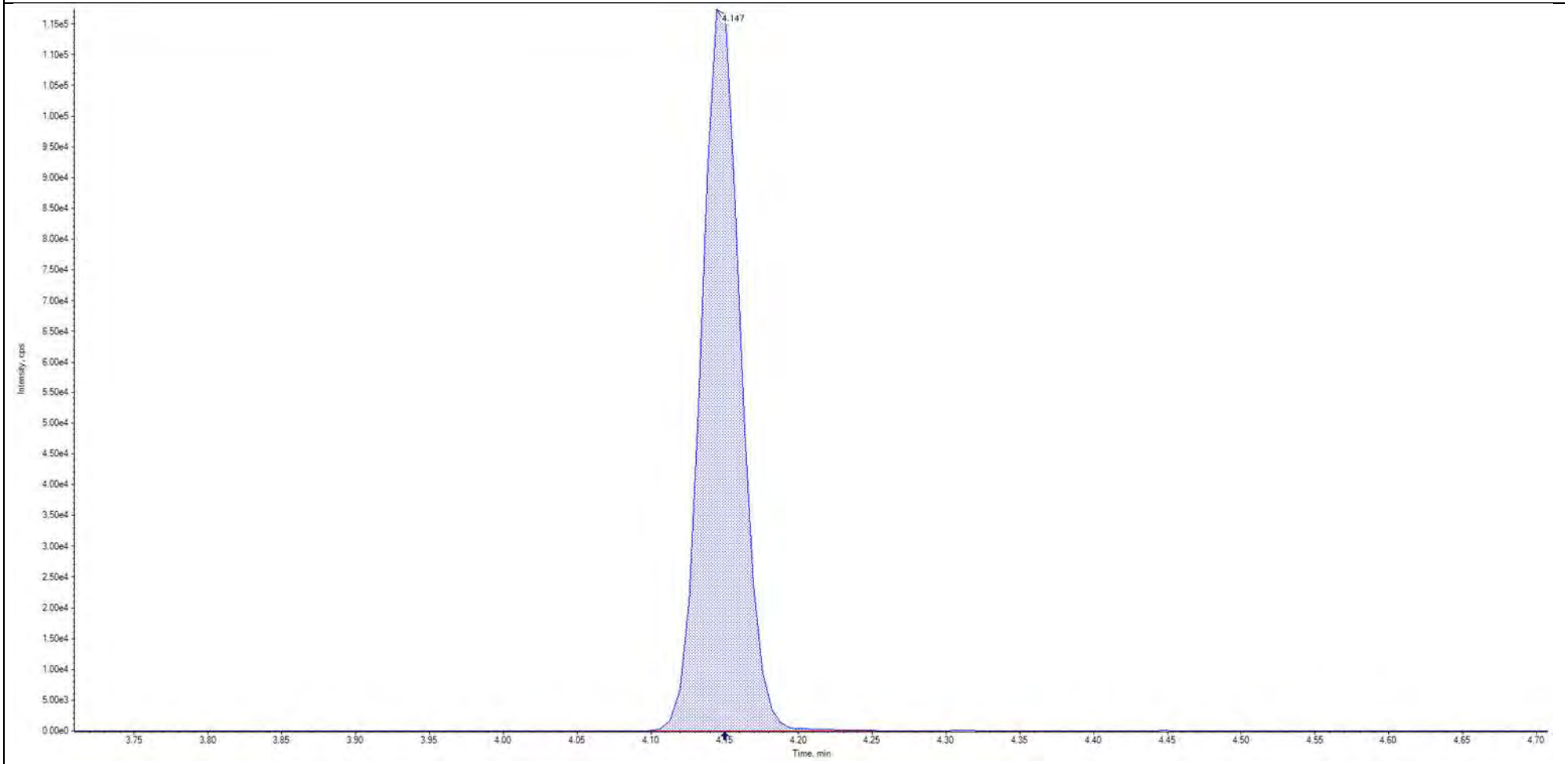


13C7-PFUnA
Sample: L2467934-08



13C2-PFDoA
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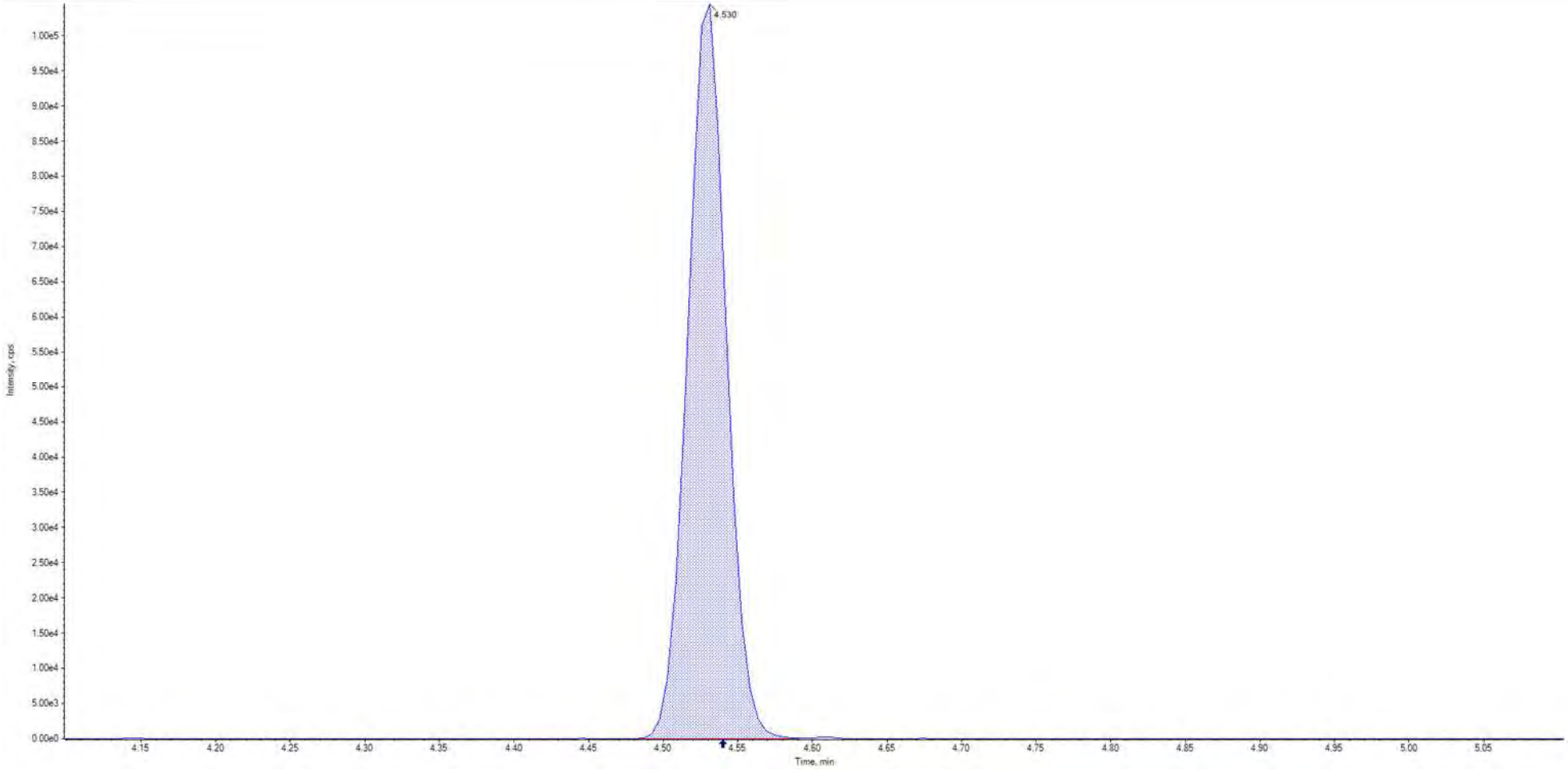

13C2-PFTeDA
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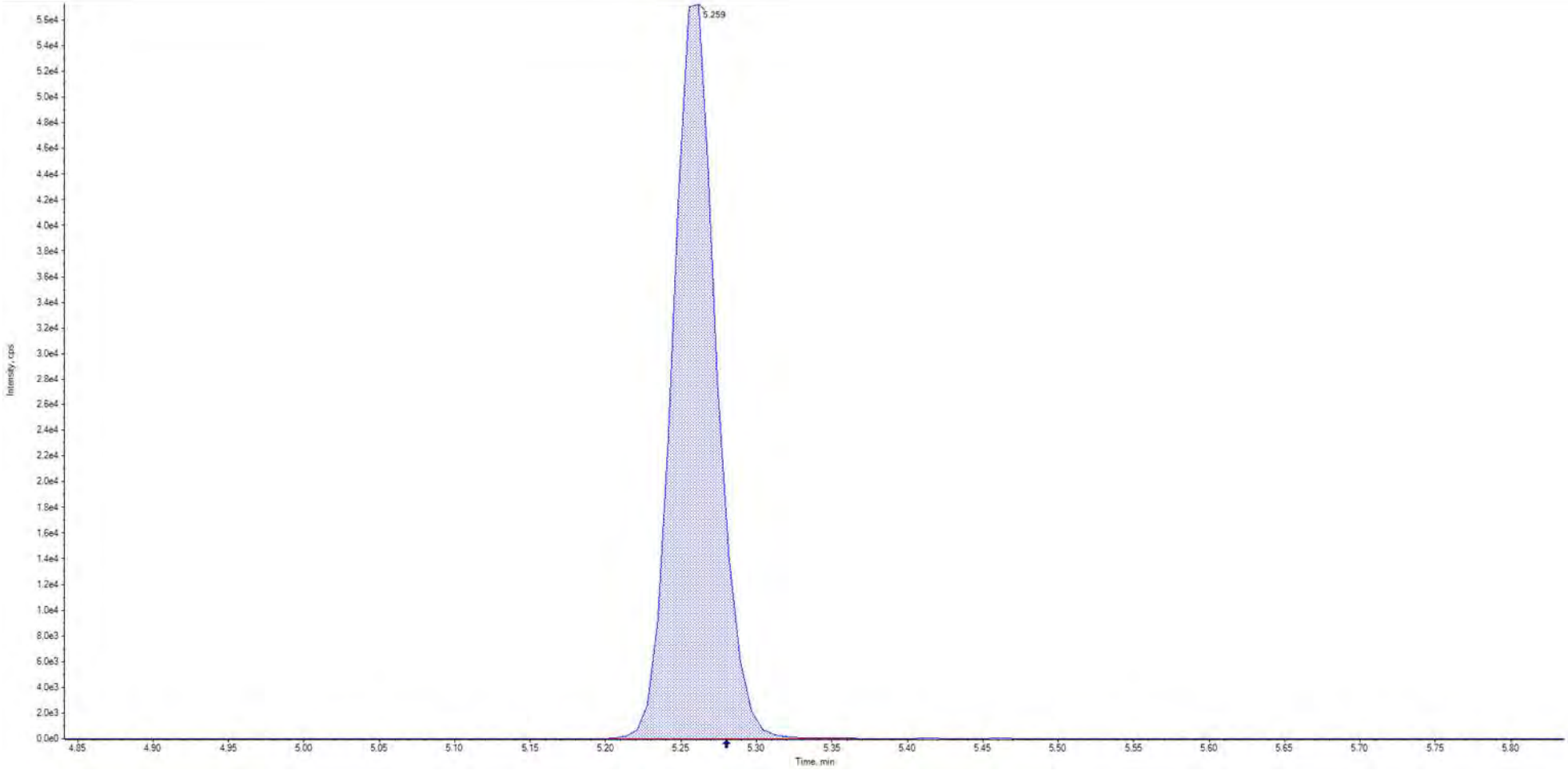

13C3-PFBS
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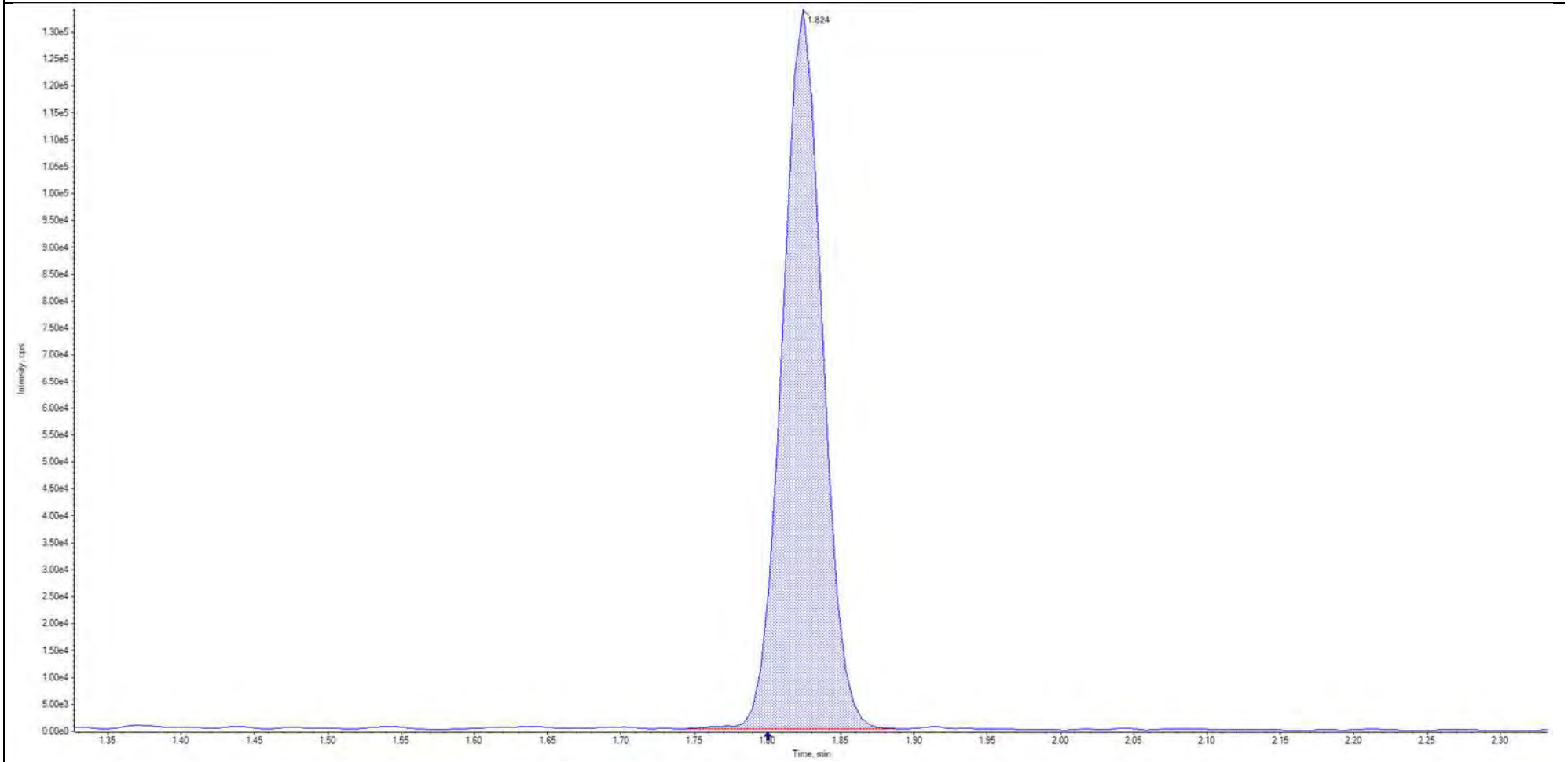

13C3-PFHxS
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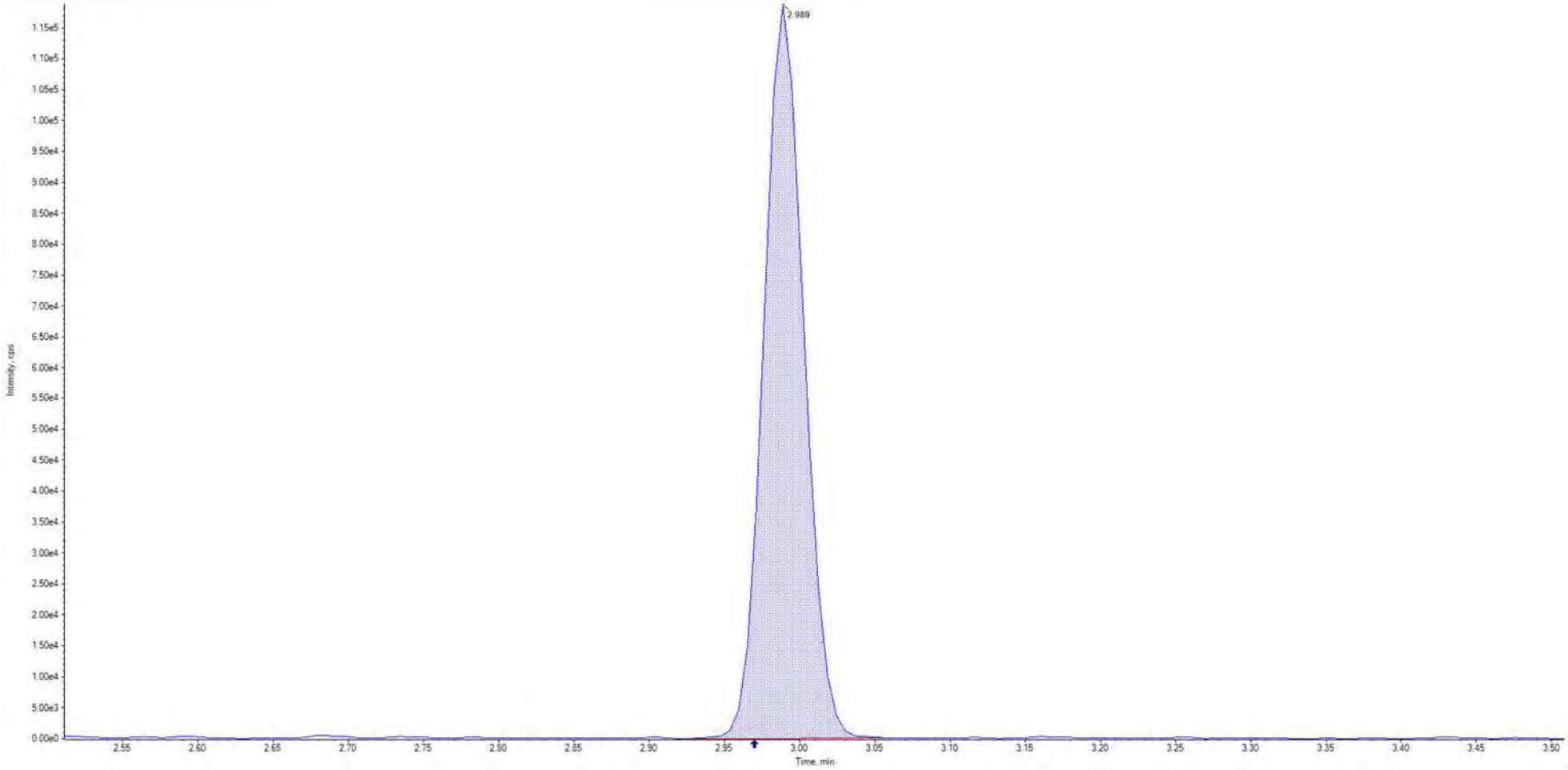
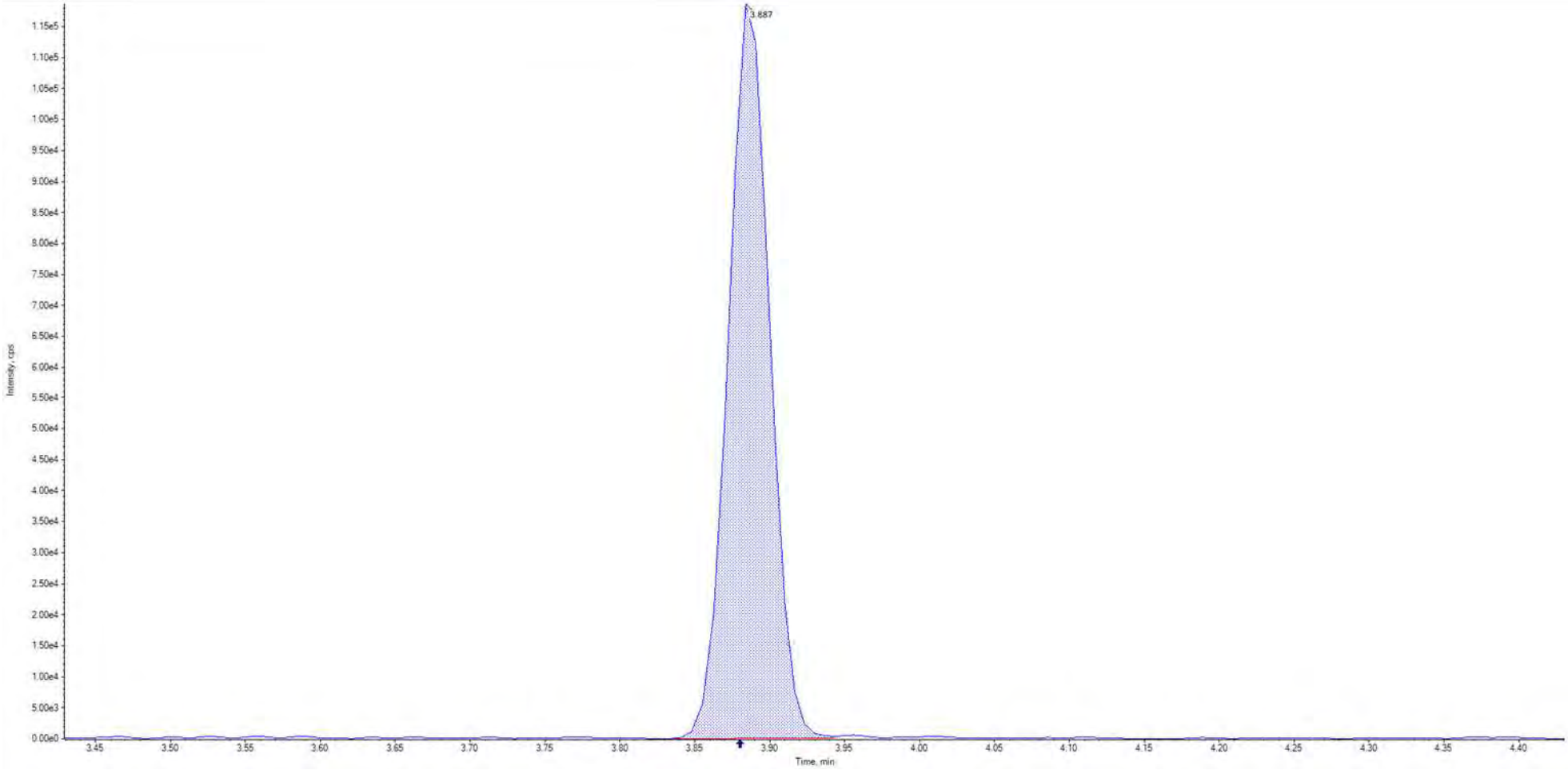
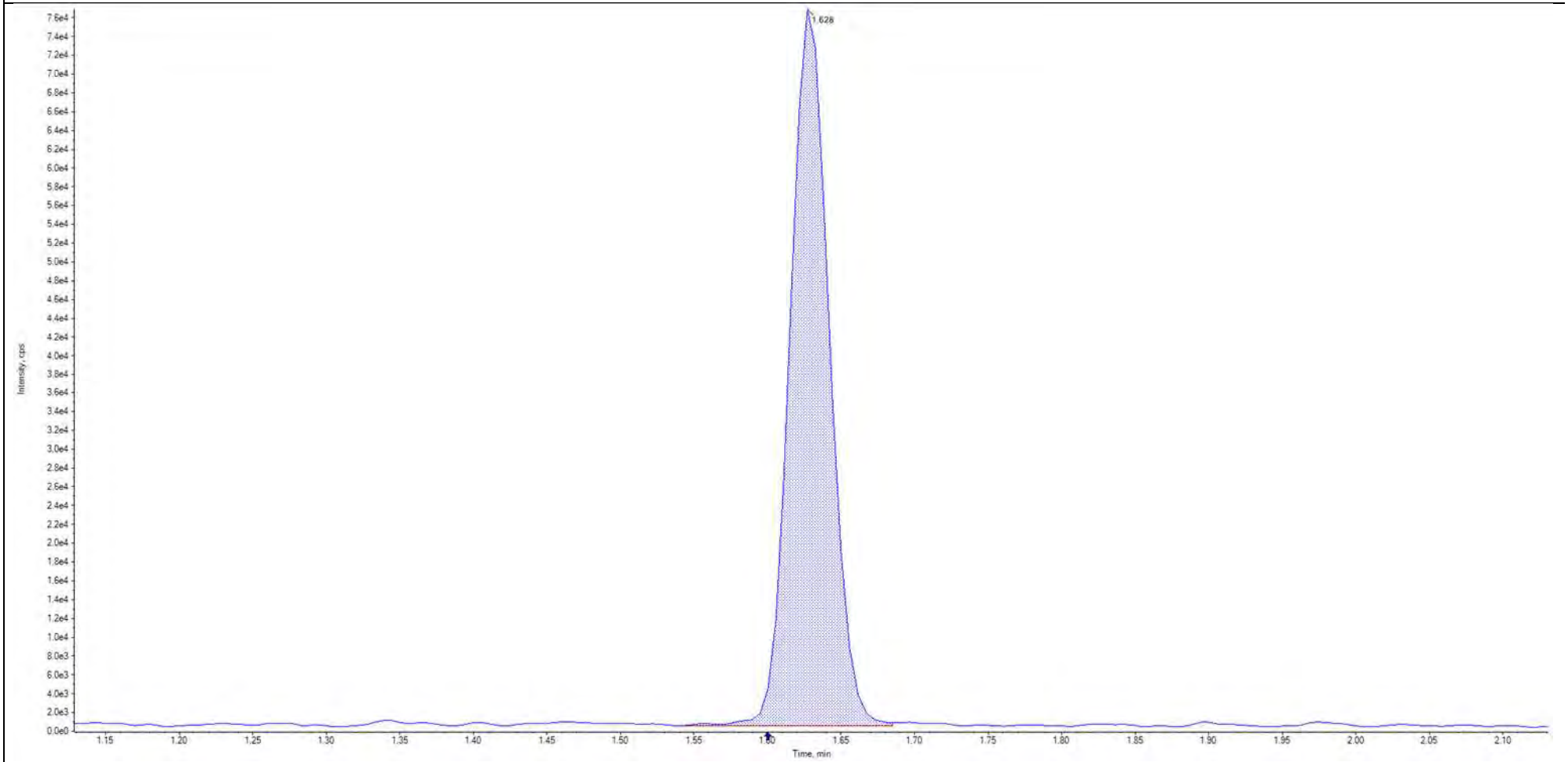


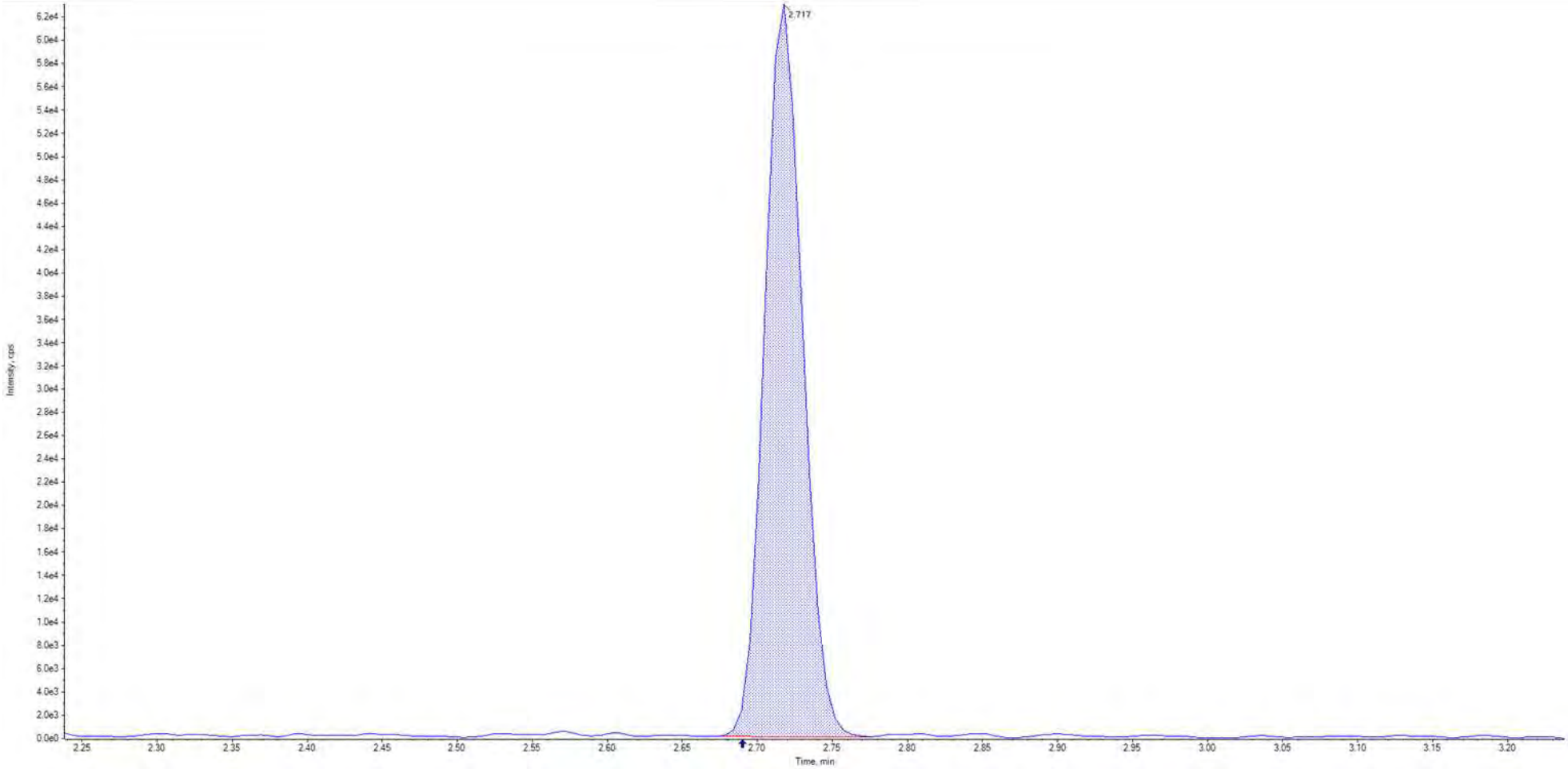
13C8-PFOS
Sample: L2467934-08



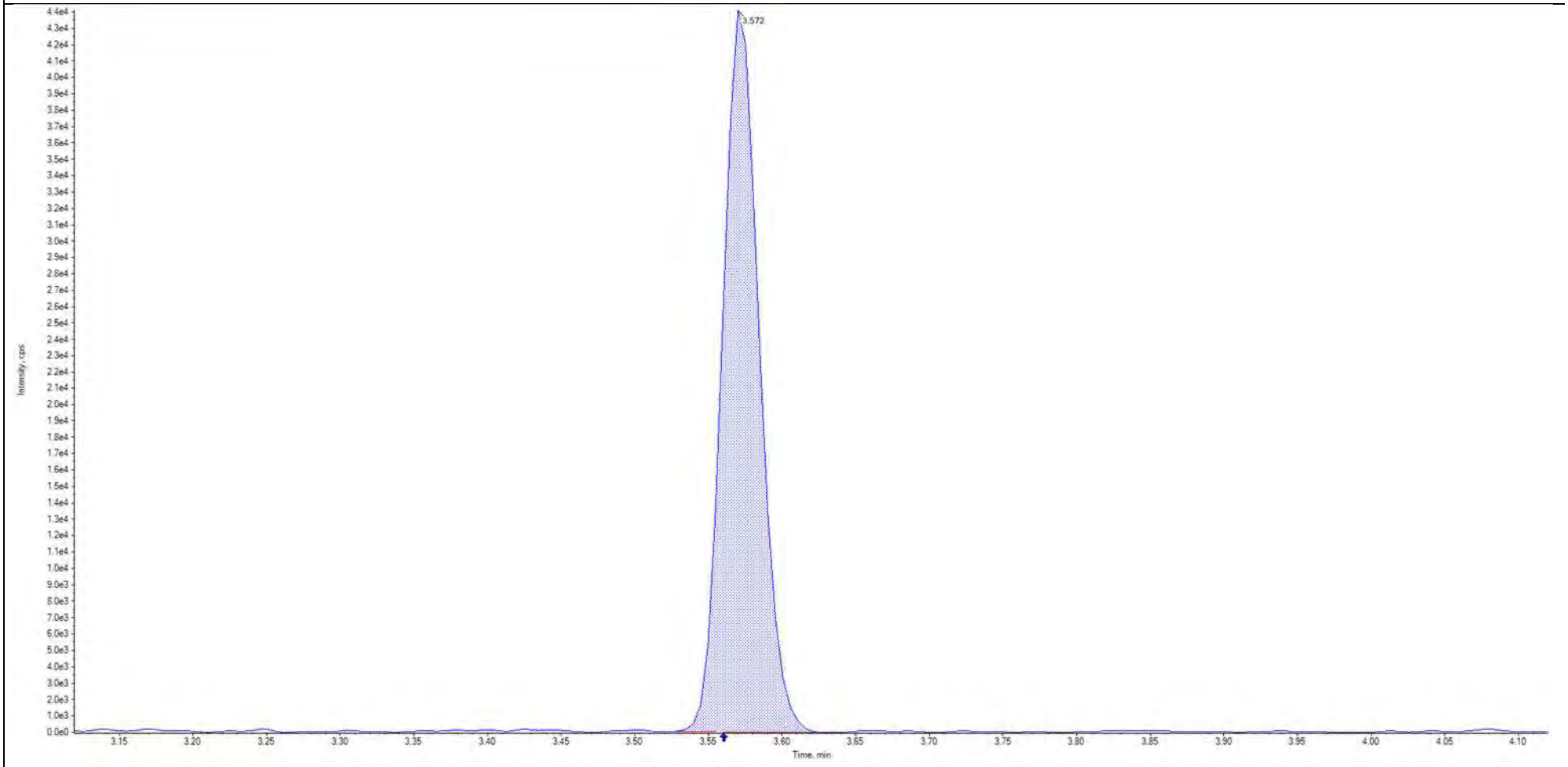
13C2-4:2FTS
Sample: L2467934-08



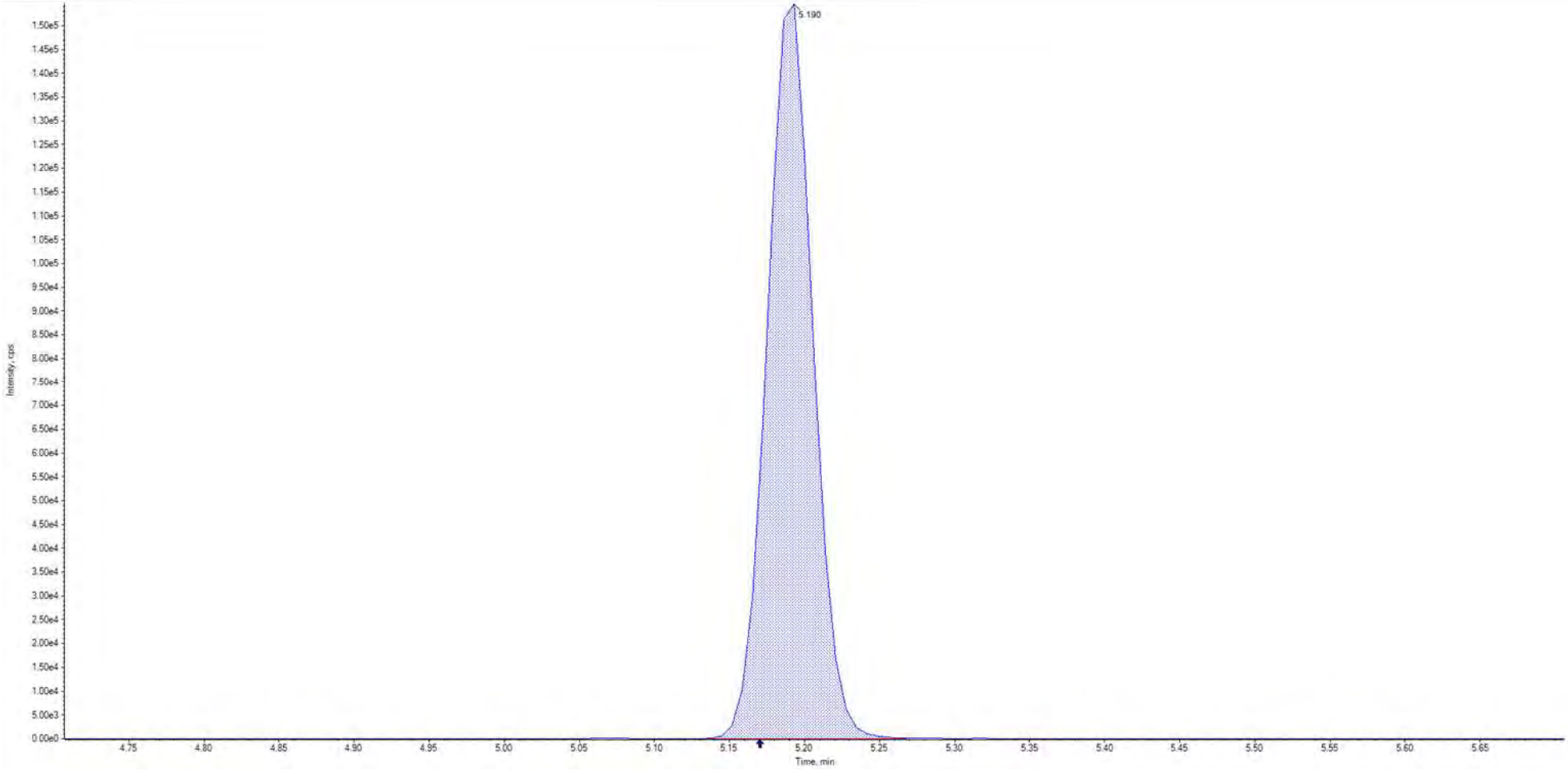
13C2-6:2FTS
Sample: L2467934-08



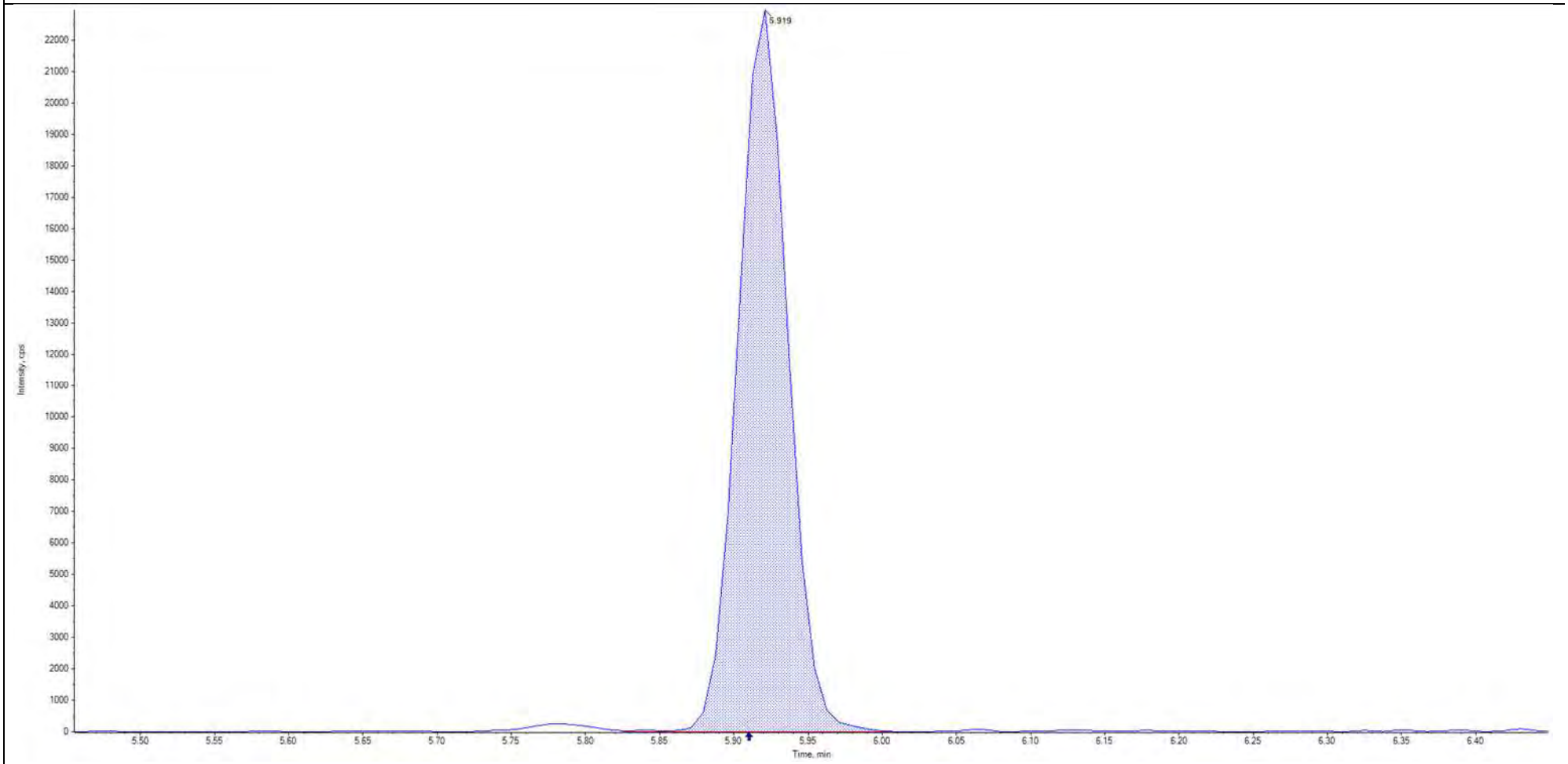
13C2-8:2FTS
Sample: L2467934-08



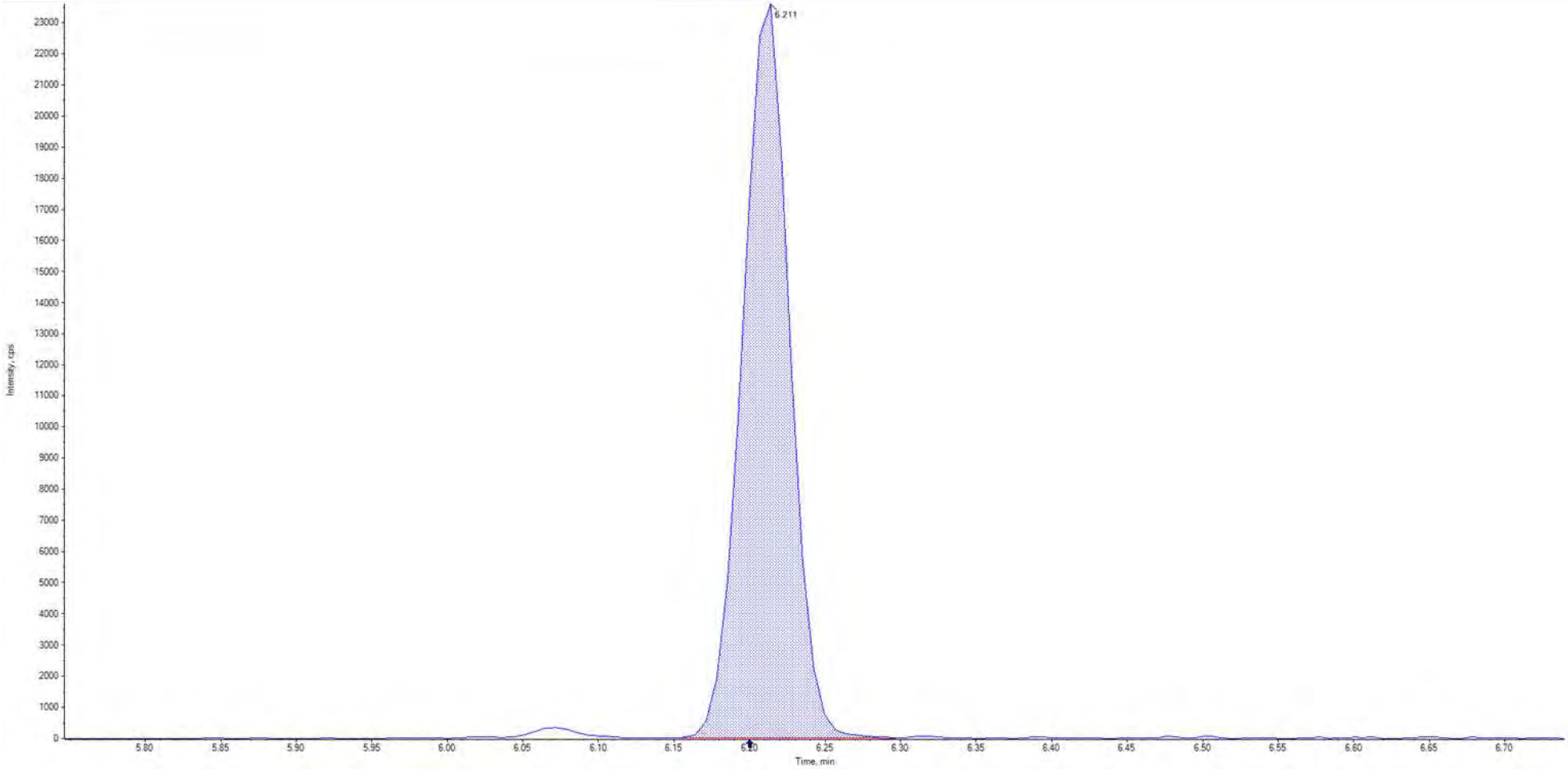
13C8-PFOSA
Sample: L2467934-08



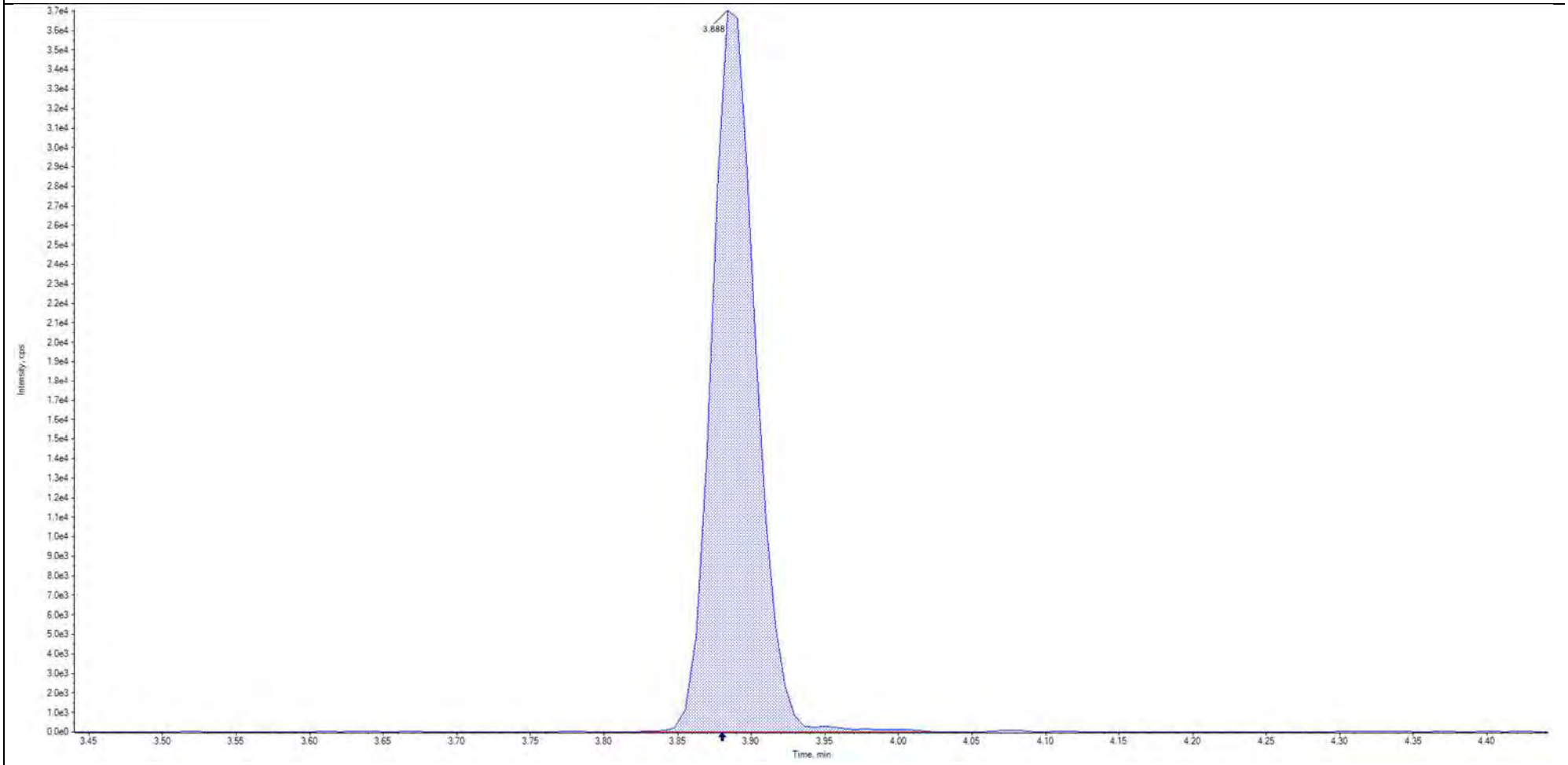
d3-NMeFOSA
Sample: L2467934-08



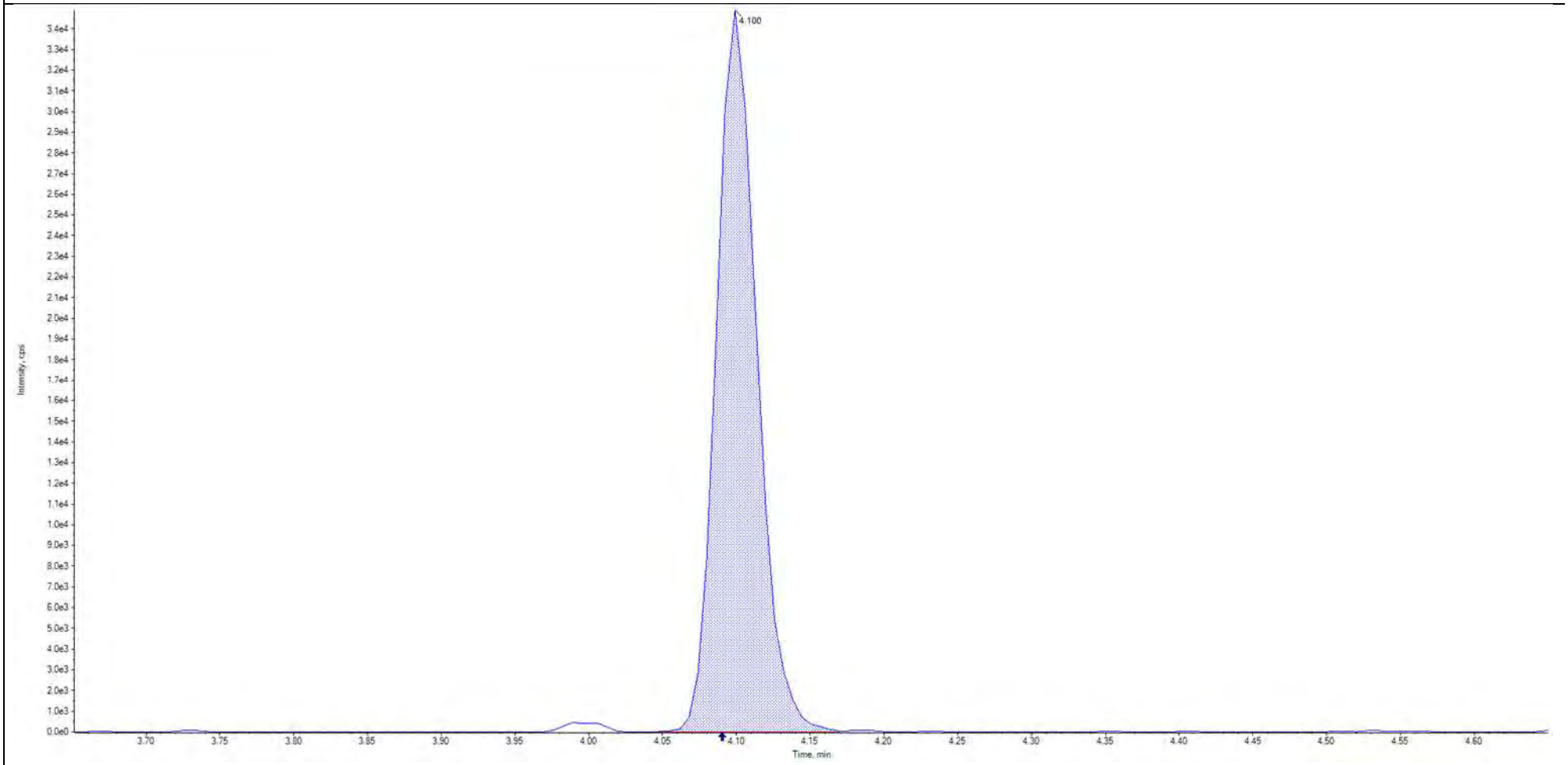
d5-NEtFOSA
Sample: L2467934-08



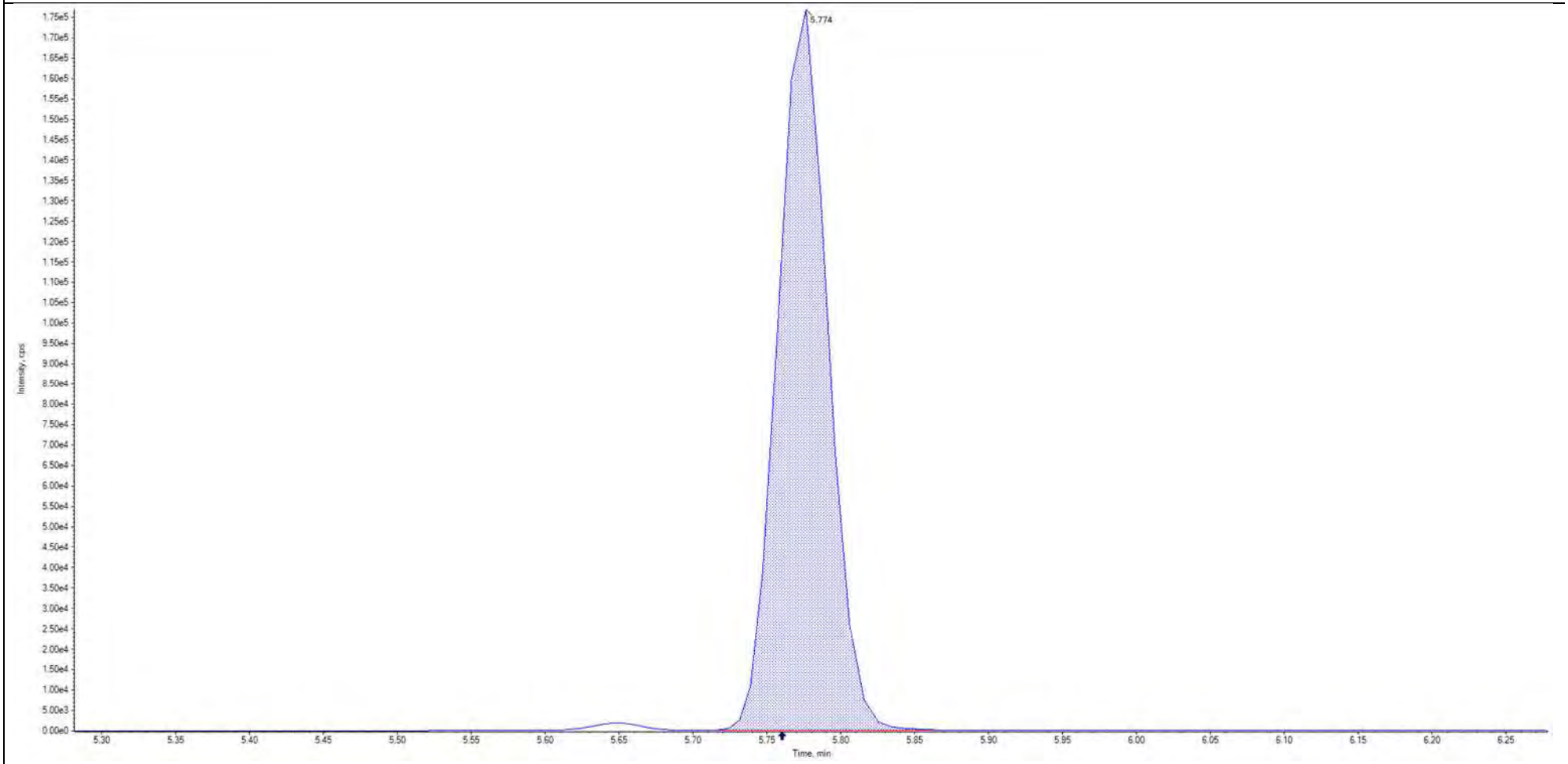
d3-NMeFOSAA
Sample: L2467934-08



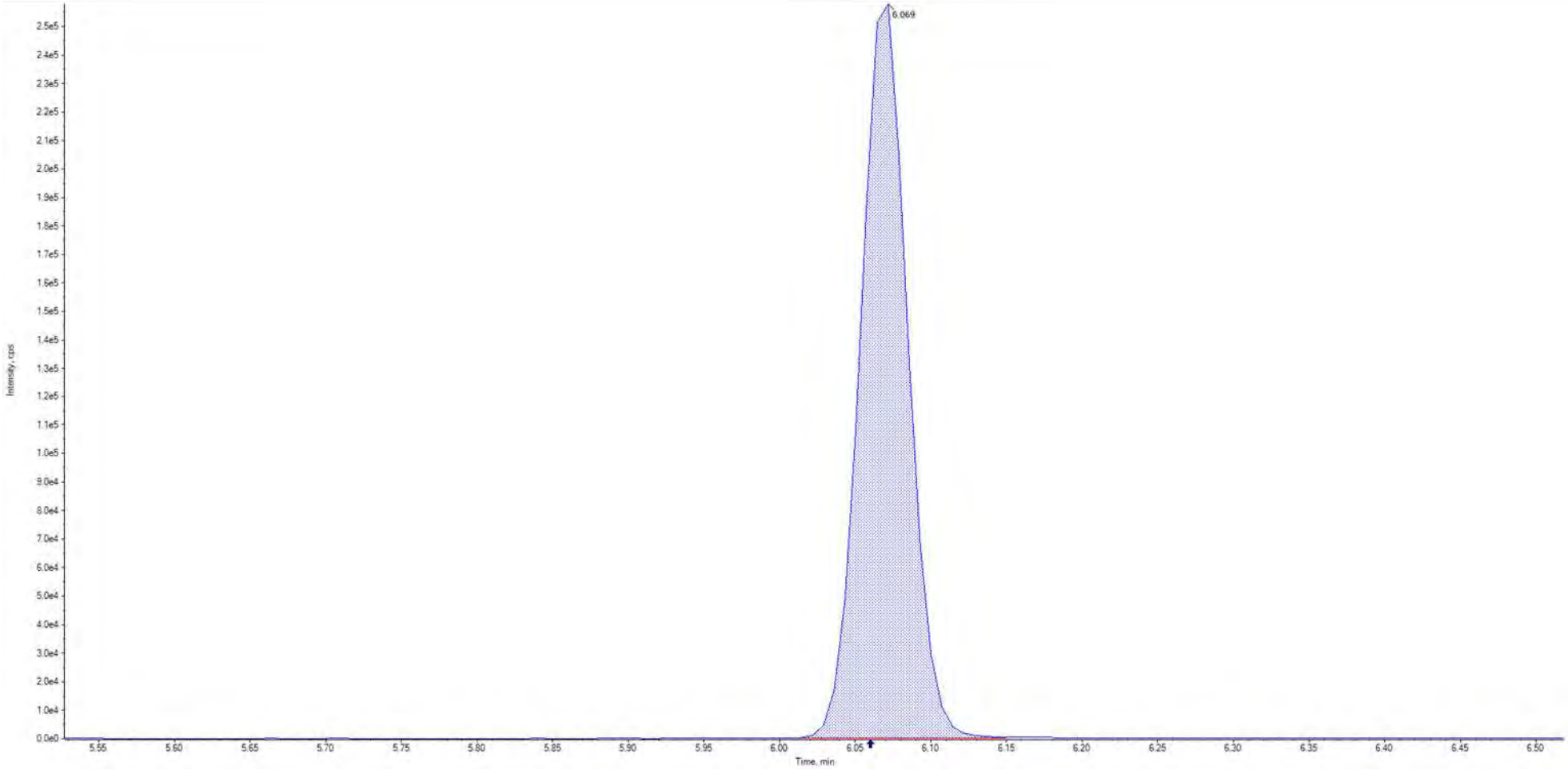
d5-NEtFOSAA
Sample: L2467934-08



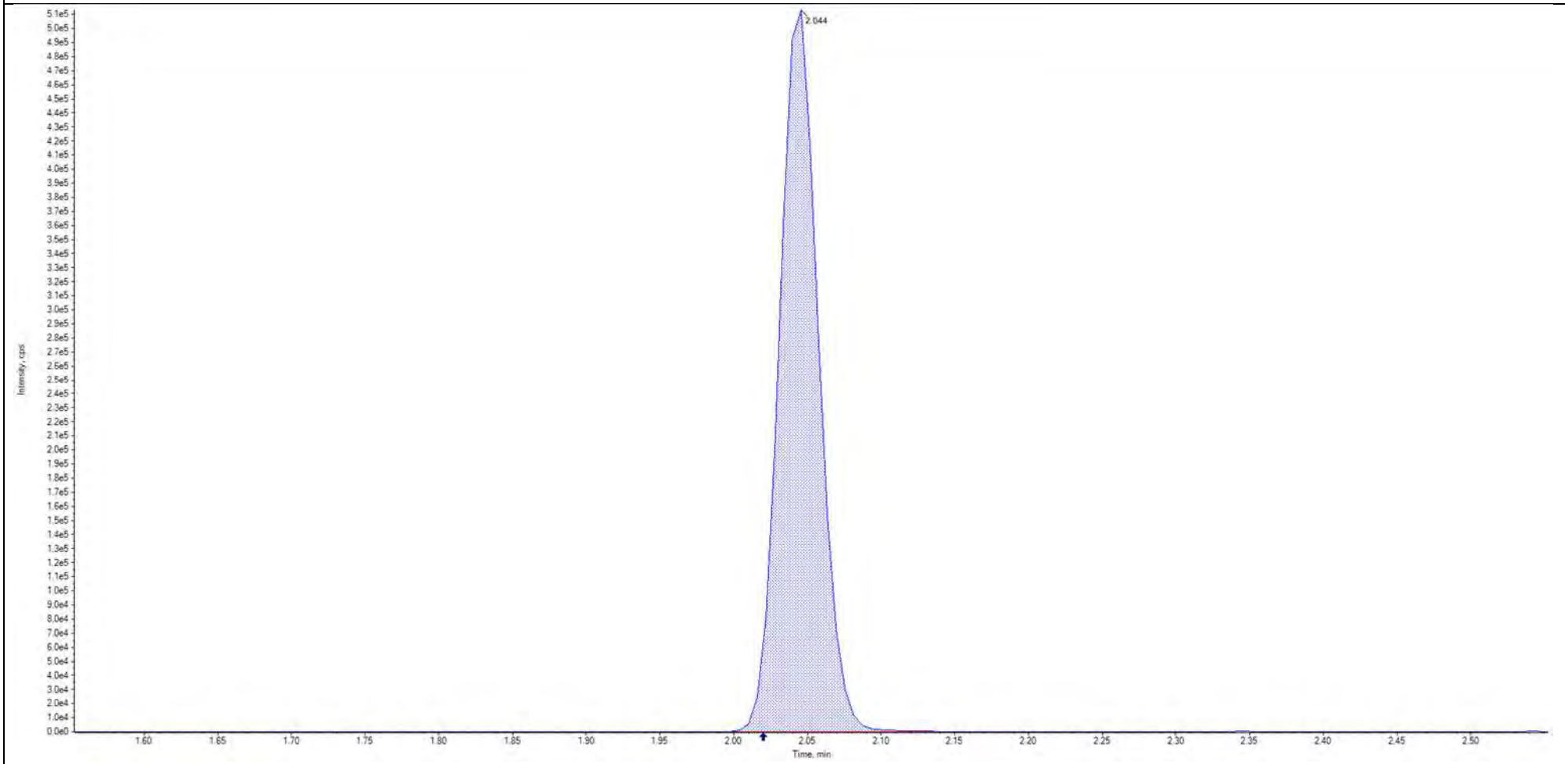
d7-NMeFOSE
Sample: L2467934-08



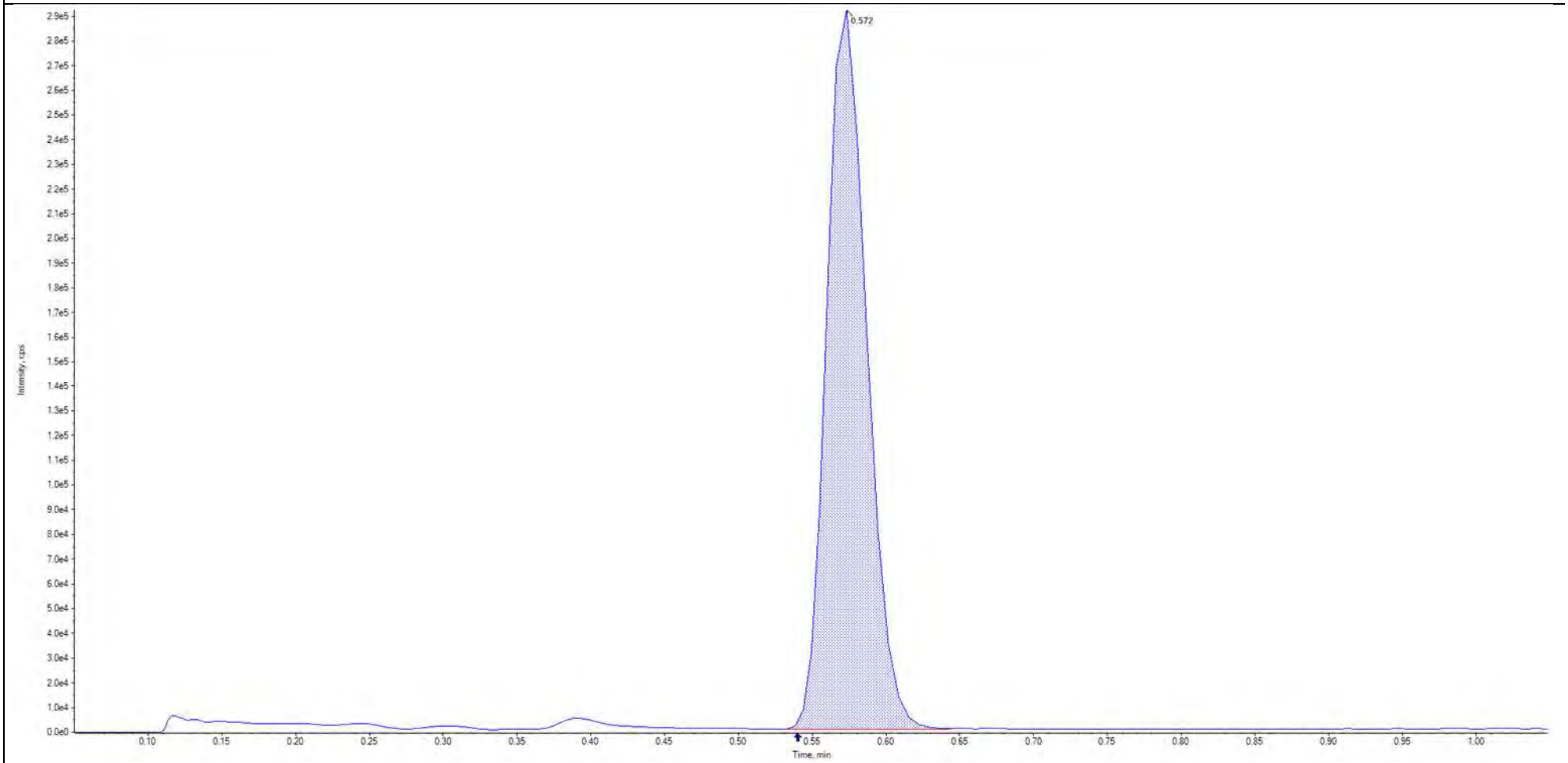
d9-NEtFOSE
Sample: L2467934-08



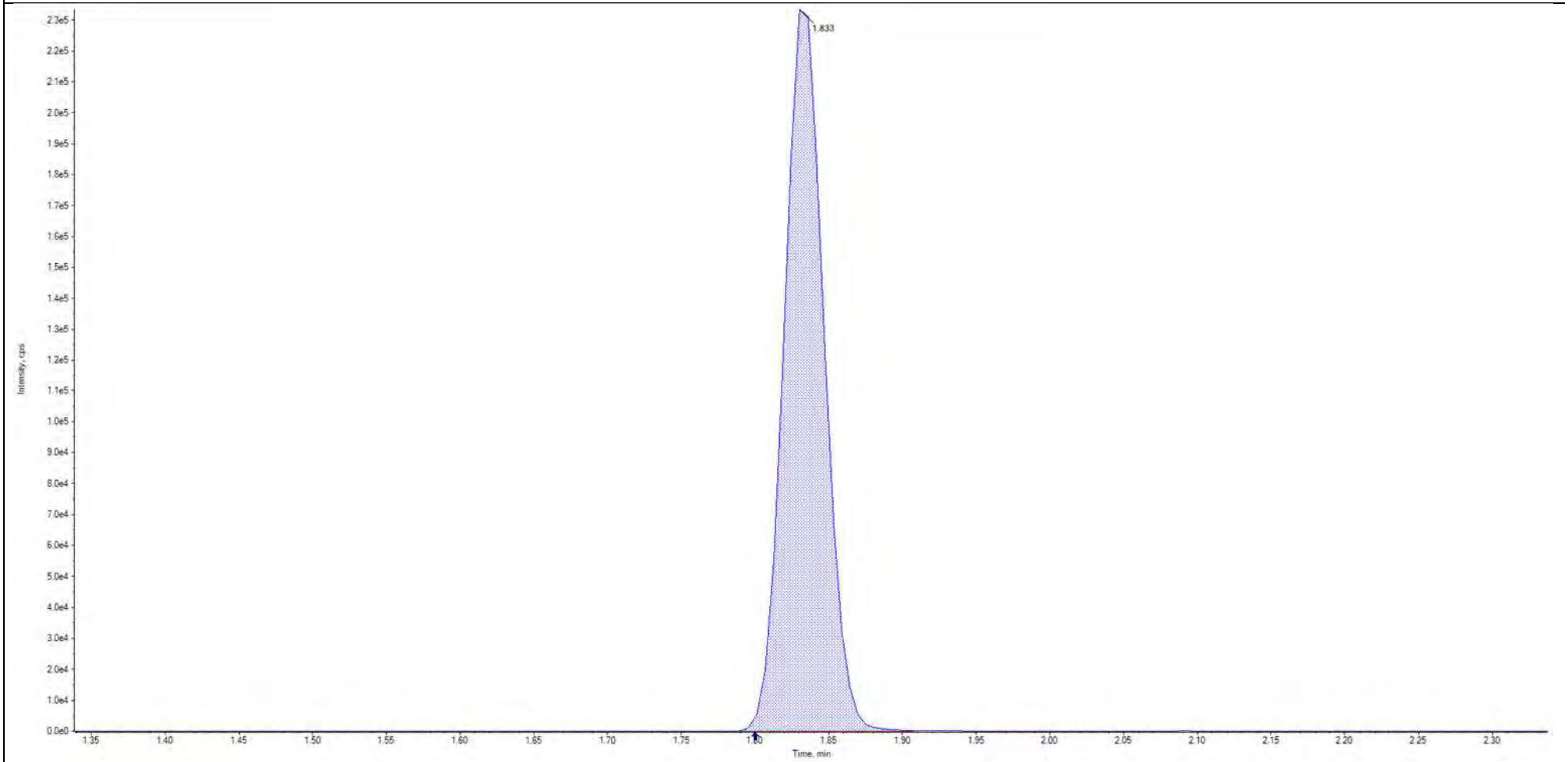
13C3-HFPO-DA
Sample: L2467934-08



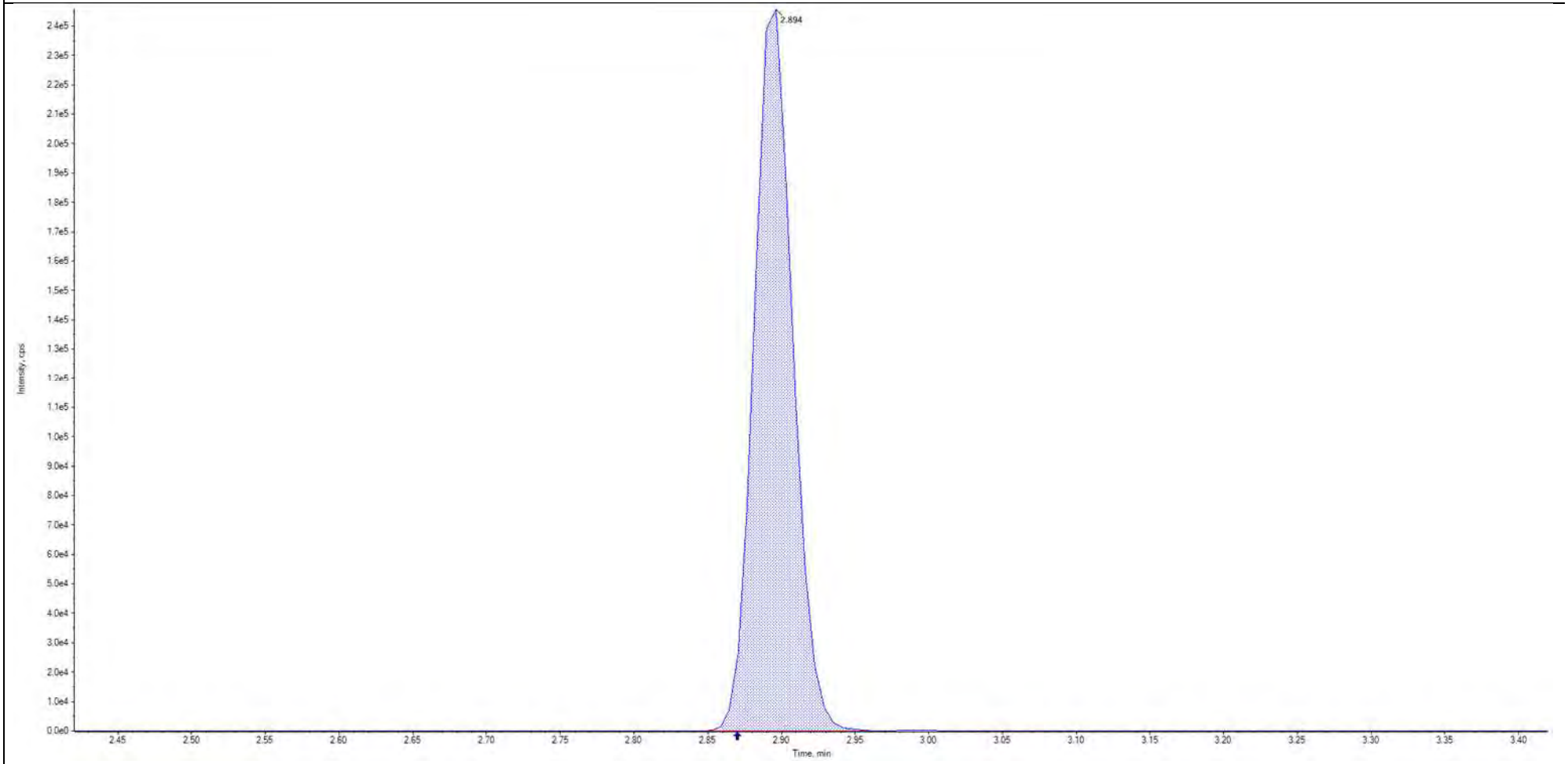
13C3-PFBA
Sample: L2467934-08



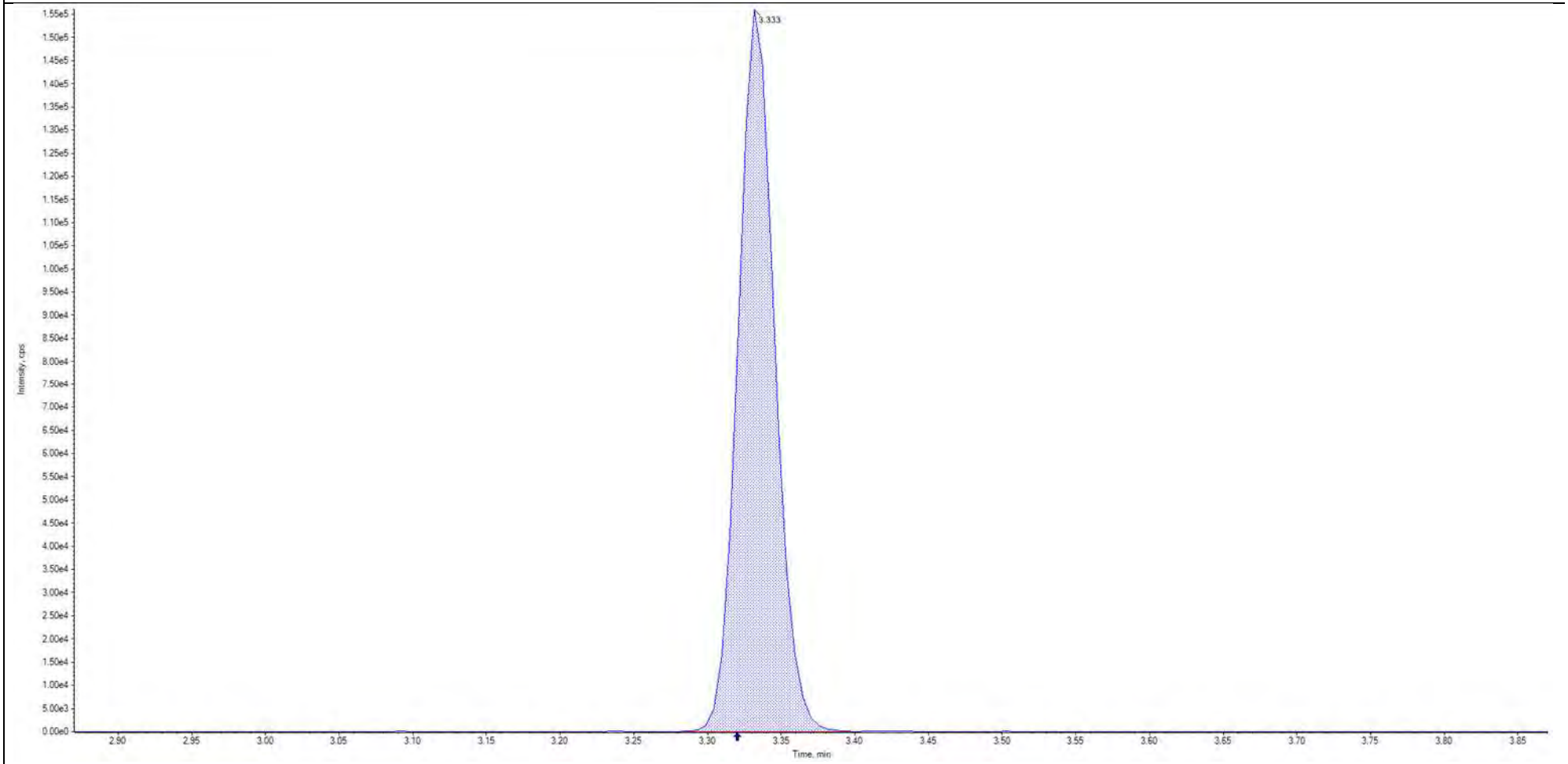
13C2-PFHxA
Sample: L2467934-08



13C4-PFOA
Sample: L2467934-08



13C5-PFNA
Sample: L2467934-08



13C2-PFDA
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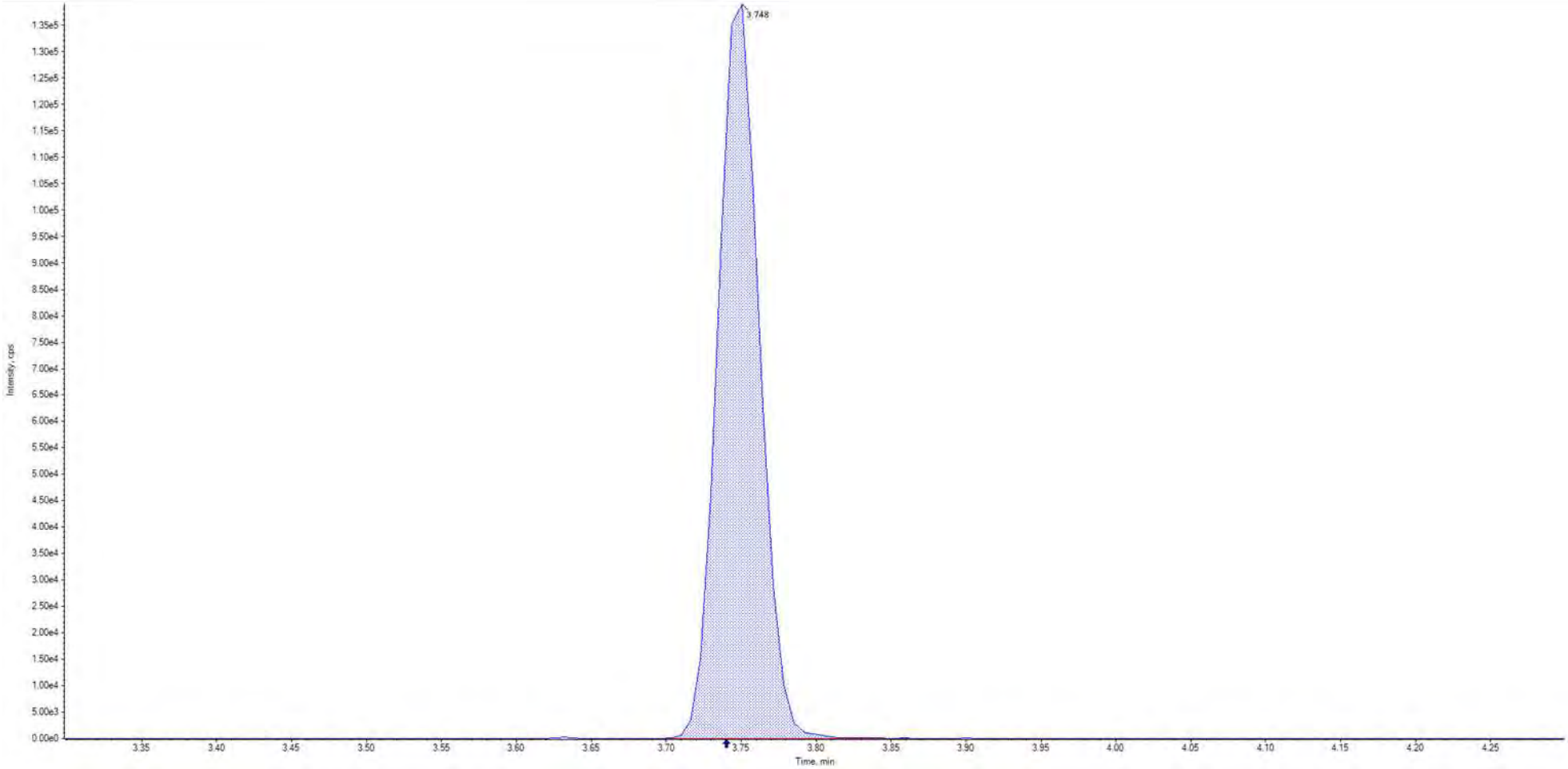
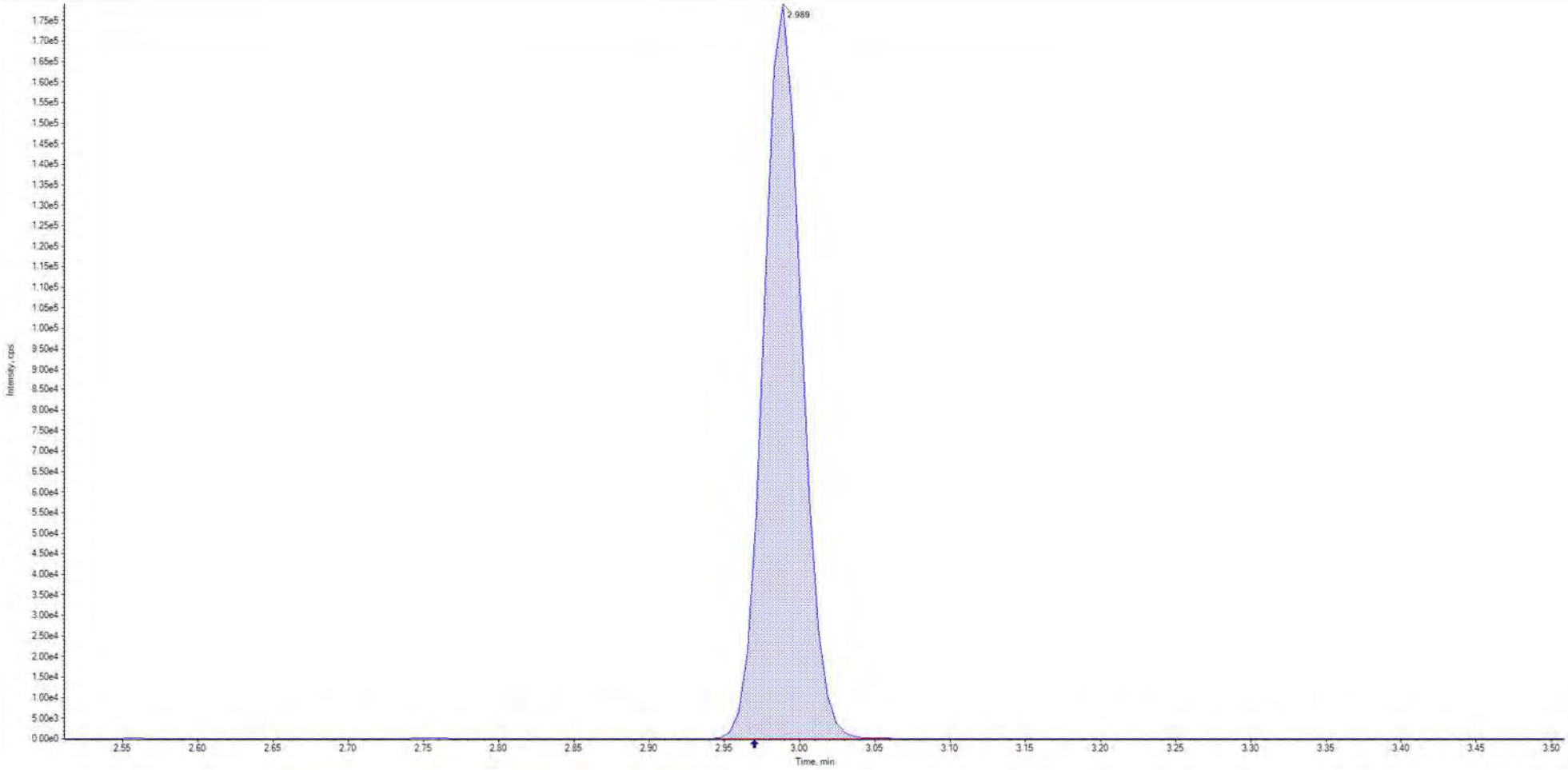
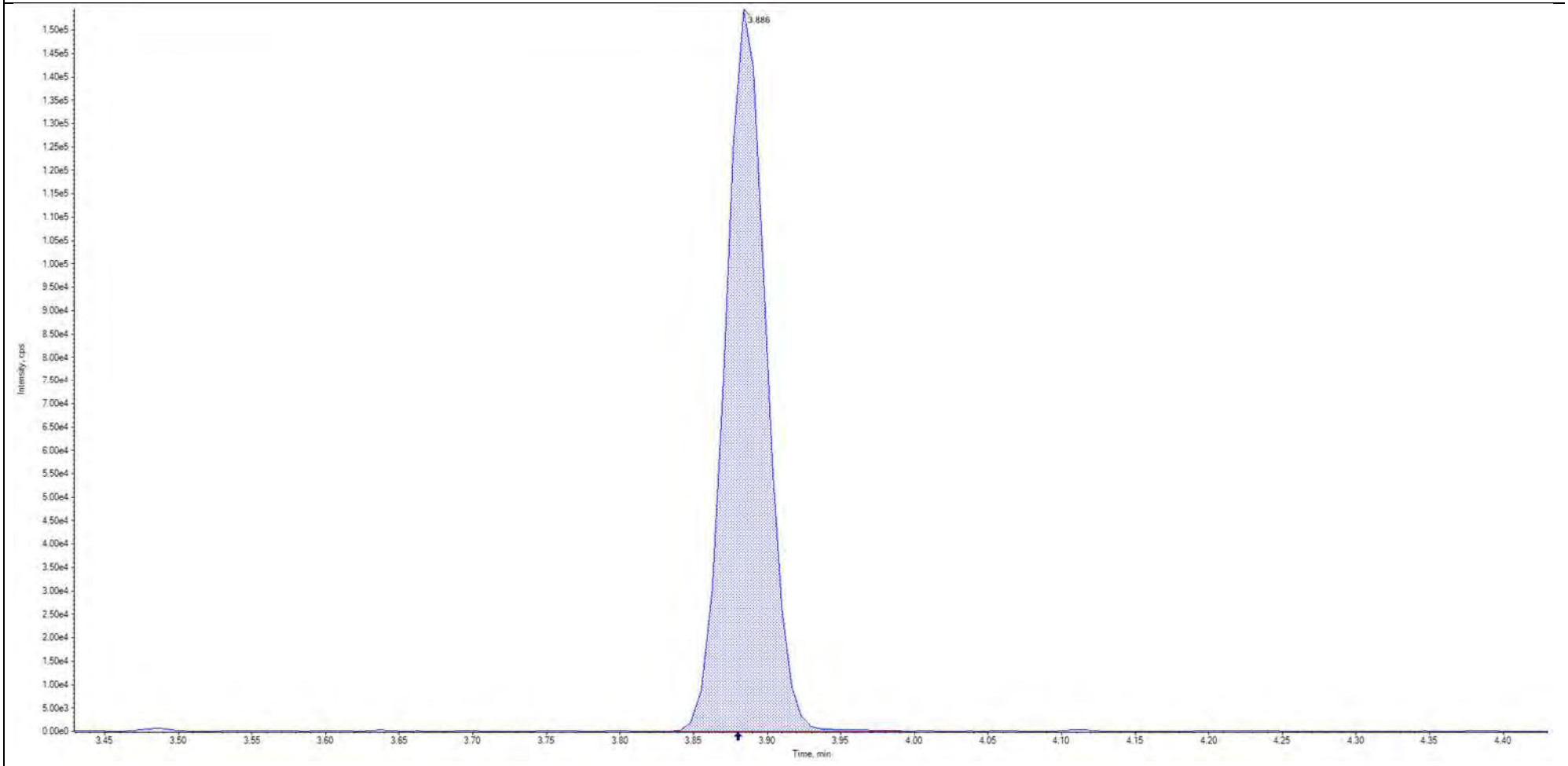


18O2-PFHxS
Sample: L2467934-08



13C4-PFOS
Sample: L2467934-08



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Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Method: EPA1633F.qmethod
Calibration: 241112_1633_ICAL

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Description: WG2012688,WG2012727,ICAL21696
Instrument: SCIEX Triple Quad 5500+
User: LCMS09:JW

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.55	213.0 / 169.0	67675	M4	1.000	N/A	N/A	N/A	N/A
2	PFPeA	2706-90-3	1.07	263.0 / 219.0	103521		1.319	0.012	N/A	N/A	N/A
3	PFPeA_2	2706-90-3	1.07	263.0 / 68.9	1208	M2	1.766	0.012	N/A	N/A	N/A
4	PFHxA	307-24-4	1.81	313.0 / 269.0	156388		1.375	0.090	0.089	Pass	N/A
5	PFHxA_2	307-24-4	1.81	313.0 / 119.0	14041	M4	1.359	0.090	0.089	Pass	N/A
6	PFHpA	375-85-9	2.39	363.1 / 319.0	147940		0.978	0.393	0.384	Pass	N/A
7	PFHpA_2	375-85-9	2.39	363.1 / 169.0	58169		0.989	0.393	0.384	Pass	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	2.88	413.1 / 369.1	375875	M5	2.678	0.364	0.410	Pass	N/A
9	PFOA_2	335-67-1	2.87	413.1 / 169.0	136940	M5	2.385	0.364	0.410	Pass	N/A
10	PFNA	375-95-1	3.31	462.8 / 418.9	15101		0.123	0.277	0.341	Pass	N/A
11	PFNA_2	375-95-1	3.31	462.8 / 219.0	4182	M4	0.099	0.277	0.341	Pass	N/A
12	PFDA	335-76-2	N/A	513.1 / 469.1	N/A		N/A	N/A	0.215	N/A	N/A
13	PFDA_2	335-76-2	N/A	513.1 / 219.0	N/A		N/A	N/A	0.215	N/A	N/A
14	PFUnA	2058-94-8	N/A	563.1 / 519.1	N/A		N/A	N/A	0.151	N/A	N/A
15	PFUnA_2	2058-94-8	N/A	563.1 / 269.0	N/A		N/A	N/A	0.151	N/A	N/A
16	PFDoA	307-55-1	N/A	613.1 / 569.1	N/A		N/A	N/A	0.140	N/A	N/A
17	PFDoA_2	307-55-1	N/A	613.1 / 319.0	N/A		N/A	N/A	0.140	N/A	N/A
18	PFTrDA	72629-94-8	N/A	663.1 / 619.1	N/A		N/A	N/A	0.159	N/A	N/A
19	PFTrDA_2	72629-94-8	N/A	663.1 / 169.0	N/A		N/A	N/A	0.159	N/A	N/A
20	PFTeDA	376-06-7	N/A	713.1 / 669.1	N/A		N/A	N/A	0.159	N/A	N/A
21	PFTeDA_2	376-06-7	N/A	713.1 / 169.0	N/A		N/A	N/A	0.159	N/A	N/A
22	PFBS	375-73-5	1.80	299.1 / 80.1	36616		0.333	0.392	0.398	Pass	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	1.80	299.1 / 99.1	14347		0.375	0.392	0.398	Pass	N/A
24	PFPeS	2706-91-4	2.44	349.1 / 80.1	17241	M4	0.165	0.274	0.285	Pass	N/A
25	PFPeS_2	2706-91-4	2.44	349.1 / 99.1	4723		0.144	0.274	0.285	Pass	N/A
26	PFHxS	355-46-4	2.97	399.1 / 80.1	93524	M5	0.929	0.280	0.293	Pass	N/A
27	PFHxS_2	355-46-4	2.97	399.1 / 99.1	26222	M5	0.906	0.280	0.293	Pass	N/A
28	PFHpS	375-92-8	N/A	449.1 / 80.1	N/A		N/A	N/A	0.308	N/A	N/A
29	PFHpS_2	375-92-8	N/A	449.1 / 99.1	N/A		N/A	N/A	0.308	N/A	N/A
30	PFOS	1763-23-1	3.82	499.1 / 80.1	53192	M5	0.517	0.163	0.241	Pass	N/A
31	PFOS_2	1763-23-1	3.87	499.1 / 99.1	8661	M5	0.348	0.163	0.241	Pass	N/A
32	PFNS	68259-12-1	N/A	549.1 / 80.1	N/A		N/A	N/A	0.299	N/A	N/A
33	PFNS_2	68259-12-1	N/A	549.1 / 99.1	N/A		N/A	N/A	0.299	N/A	N/A
34	PFDS	335-77-3	N/A	599.1 / 80.1	N/A		N/A	N/A	0.274	N/A	N/A
35	PFDS_2	335-77-3	N/A	599.1 / 99.1	N/A		N/A	N/A	0.274	N/A	N/A
36	PFDoS	79780-39-5	N/A	699.2 / 80.1	N/A		N/A	N/A	0.247	N/A	N/A
37	PFDoS_2	79780-39-5	N/A	699.2 / 99.1	N/A		N/A	N/A	0.247	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	N/A	327.1 / 307.1	N/A		N/A	N/A	0.634	N/A	N/A
39	4:2FTS_2	757124-72-4	N/A	327.1 / 81.1	N/A		N/A	N/A	0.634	N/A	N/A
40	6:2FTS	27619-97-2	N/A	427.2 / 407.2	N/A		N/A	N/A	0.609	N/A	N/A
41	6:2FTS_2	27619-97-2	N/A	427.2 / 81.1	N/A		N/A	N/A	0.609	N/A	N/A
42	8:2FTS	39108-34-4	N/A	527.2 / 507.2	N/A		N/A	N/A	0.681	N/A	N/A
43	8:2FTS_2	39108-34-4	N/A	527.2 / 81.1	N/A		N/A	N/A	0.681	N/A	N/A
44	PFOSA	754-91-6	N/A	498.1 / 78.1	N/A		N/A	N/A	0.024	N/A	N/A
45	PFOSA_2	754-91-6	N/A	498.1 / 478.0	N/A		N/A	N/A	0.024	N/A	N/A
46	NMeFOSA	31506-32-8	N/A	512.2 / 219.0	N/A		N/A	N/A	1.421	N/A	N/A
47	NMeFOSA_2	31506-32-8	N/A	512.2 / 169.0	N/A		N/A	N/A	1.421	N/A	N/A
48	NEtFOSA	4151-50-2	N/A	526.2 / 219.0	N/A		N/A	N/A	1.258	N/A	N/A
49	NEtFOSA_2	4151-50-2	N/A	526.2 / 169.0	N/A		N/A	N/A	1.258	N/A	N/A
50	NMeFOSAA	2355-31-9	N/A	570.2 / 419.1	N/A		N/A	N/A	0.683	N/A	N/A
51	NMeFOSAA_2	2355-31-9	N/A	570.2 / 483.0	N/A		N/A	N/A	0.683	N/A	N/A
52	NEtFOSAA	2991-50-6	N/A	584.2 / 419.1	N/A		N/A	N/A	0.571	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	N/A	584.2 / 526.2	N/A		N/A	N/A	0.571	N/A	N/A
54	NMeFOSE	24448-09-7	N/A	616.1 / 58.9	N/A		N/A	N/A	N/A	N/A	N/A
55	NEtFOSE	1691-99-2	N/A	630.0 / 58.9	N/A		N/A	N/A	N/A	N/A	N/A
56	HFPO-DA	13252-13-6	2.02	285.0 / 169.0	2647		0.027	0.595	0.510	Pass	N/A
57	HFPO-DA_2	13252-13-6	2.02	285.0 / 184.9	1574	M2	0.030	0.595	0.510	Pass	N/A
58	ADONA	919005-14-4	N/A	376.9 / 251.0	N/A		N/A	N/A	0.636	N/A	N/A
59	ADONA_2	919005-14-4	N/A	376.9 / 84.8	N/A		N/A	N/A	0.636	N/A	N/A
60	9Cl-PF3ONS	756426-58-1	N/A	530.8 / 351.1	N/A		N/A	N/A	0.326	N/A	N/A
61	9Cl-PF3ONS_2	756426-58-1	N/A	532.8 / 353.0	N/A		N/A	N/A	0.326	N/A	N/A
62	11Cl-PF3OUdS	763051-92-9	N/A	630.9 / 451.0	N/A		N/A	N/A	0.318	N/A	N/A
63	11Cl-PF3OUdS_2	763051-92-9	N/A	632.9 / 452.9	N/A		N/A	N/A	0.318	N/A	N/A
64	3:3FTCA	356-02-5	N/A	241.1 / 177.1	N/A		N/A	N/A	1.068	N/A	N/A
65	3:3FTCA_2	356-02-5	N/A	241.1 / 117.0	N/A		N/A	N/A	1.068	N/A	N/A
66	5:3FTCA	914637-49-3	N/A	341.1 / 237.1	N/A		N/A	N/A	1.045	N/A	N/A
67	5:3FTCA_2	914637-49-3	N/A	341.1 / 217.0	N/A		N/A	N/A	1.045	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	N/A	441.1 / 316.9	N/A		N/A	N/A	1.285	N/A	N/A
69	7:3FTCA_2	812-70-4	N/A	441.1 / 337.1	N/A		N/A	N/A	1.285	N/A	N/A
70	PFEESA	113507-82-7	N/A	315.1 / 135.0	N/A		N/A	N/A	0.081	N/A	N/A
71	PFEESA_2	113507-82-7	N/A	315.1 / 82.9	N/A		N/A	N/A	0.081	N/A	N/A
72	PFMPA	377-73-1	N/A	229.0 / 85.0	N/A		N/A	N/A	N/A	N/A	N/A
73	PFMBA	863090-89-5	N/A	279.0 / 85.0	N/A		N/A	N/A	N/A	N/A	N/A
74	NFDHA	151772-58-6	N/A	295.0 / 201.0	N/A		N/A	N/A	0.681	N/A	N/A
75	NFDHA_2	151772-58-6	N/A	295.0 / 84.9	N/A		N/A	N/A	0.681	N/A	N/A
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	5.357	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	5.357	N/A	N/A
78	13C2D4-4:2FTS	Surr	N/A	333.2 / 312.1	N/A		N/A	N/A	N/A	N/A	N/A
79	13C2-PFOA	Surr	N/A	415.0 / 370.0	N/A		N/A	N/A	N/A	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.55	217.0 / 172.0	793532		6.903	NA	NA	NA	69.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.06	268.0 / 223.0	447964		3.345	NA	NA	NA	66.9
	13C5-PFHxA	EIS	1.81	318.0 / 273.0	248064		1.756	NA	NA	NA	70.2
	13C4-PFHpA	EIS	2.39	367.0 / 322.0	248304		2.106	NA	NA	NA	84.2
	13C8-PFOA	EIS	2.87	420.8 / 376.0	434111		1.458	NA	NA	NA	58.3
	13C9-PFNA	EIS	3.31	472.0 / 427.0	173039		0.767	NA	NA	NA	61.4
	13C6-PFDA	EIS	3.72	519.0 / 474.0	191348		0.848	NA	NA	NA	67.9
	13C7-PFUnA	EIS	4.12	570.0 / 525.0	189927		0.759	NA	NA	NA	60.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.51	615.1 / 570.0	185697		0.694	NA	NA	NA	55.5
	13C2-PFTeDA	EIS	5.24	715.1 / 670.1	120574		0.607	NA	NA	NA	48.6
	13C3-PFBS	EIS	1.80	302.1 / 80.1	255754		1.558	NA	NA	NA	66.9
	13C3-PFHxS	EIS	2.96	402.1 / 80.1	232000		1.595	NA	NA	NA	67.3
	13C8-PFOS	EIS	3.86	507.1 / 80.1	233553		1.516	NA	NA	NA	63.2
	13C2-4:2FTS	EIS	1.60	329.1 / 81.1	157851		6.919	NA	NA	NA	147.5
	13C2-6:2FTS	EIS	2.69	429.2 / 81.1	141933		7.008	NA	NA	NA	147.2
	13C2-8:2FTS	EIS	3.55	529.2 / 81.1	86483		3.608	NA	NA	NA	75.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	5.17	506.1 / 78.1	351815		1.345	NA	NA	NA	53.8
	d3-NMeFOSA	EIS	5.89	515.2 / 219.0	54630		1.276	NA	NA	NA	51.0
	d5-NEtFOSA	EIS	6.18	531.2 / 219.0	50228		1.293	NA	NA	NA	51.7
	d3-NMeFOSAA	EIS	3.86	573.2 / 419.1	79297		2.983	NA	NA	NA	59.7
	d5-NEtFOSAA	EIS	4.07	589.3 / 419.1	64204		2.450	NA	NA	NA	49.0
	d7-NMeFOSE	EIS	5.75	623.2 / 58.9	410384		14.797	NA	NA	NA	59.2
	d9-NEtFOSE	EIS	6.04	639.2 / 58.9	558019		14.952	NA	NA	NA	59.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.02	287.0 / 169.0	1024027		7.420	NA	NA	NA	74.2
	13C3-PFBA	NIS	0.55	216.0 / 172.0	501128		3.952	NA	NA	NA	79.0
	13C2-PFHxA	NIS	1.81	315.0 / 270.0	392057		2.632	NA	NA	NA	105.3
	13C4-PFOA	NIS	2.87	417.0 / 372.0	474738		3.293	NA	NA	NA	131.7
	13C5-PFNA	NIS	3.31	468.0 / 423.0	280853		1.375	NA	NA	NA	110.0
	13C2-PFDA	NIS	3.72	515.1 / 470.1	267721		1.269	NA	NA	NA	101.6
	18O2-PFHxS	NIS	2.96	403.1 / 84.1	303781		2.603	NA	NA	NA	109.9
	13C4-PFOS	NIS	3.86	503.1 / 80.1	306738		2.444	NA	NA	NA	101.8

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Generated: 12/23/2024 2:36:12 PM

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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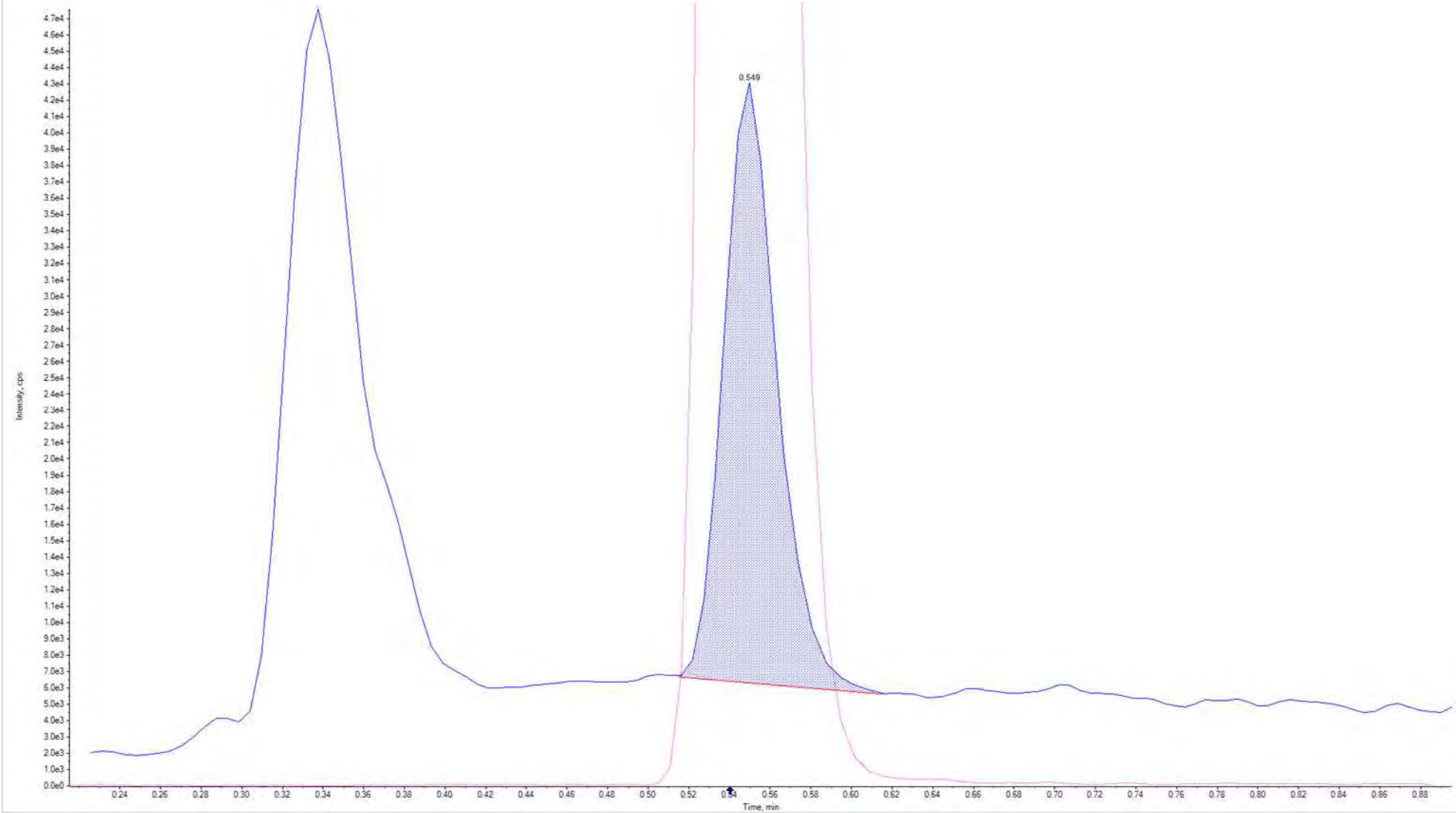
PFBA
Sample: L2467934-09 S/N:103.9 Points Across peak:18



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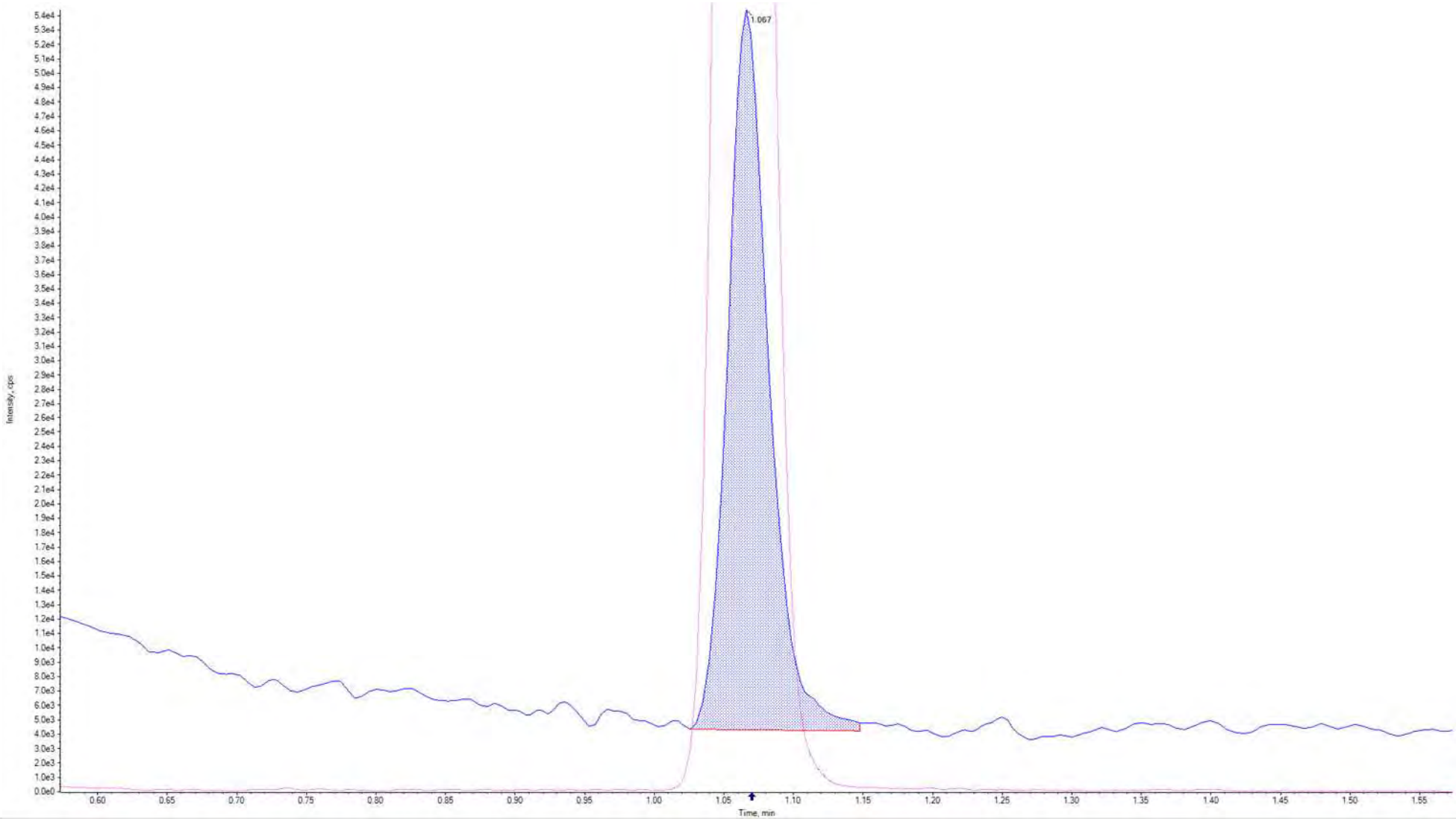
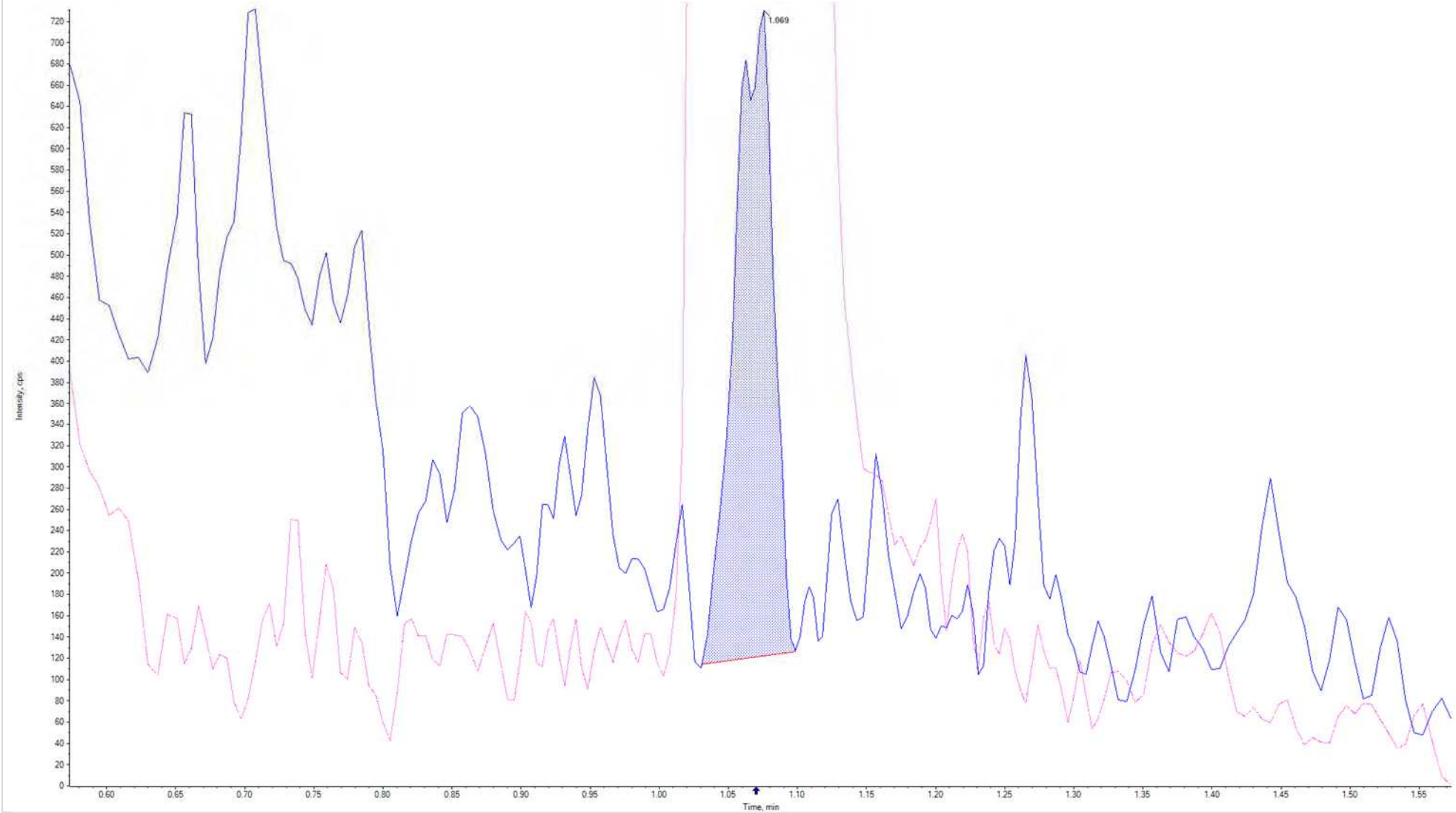
PFPeA
Sample: L2467934-09 S/N:262.3 Points Across peak:34



PFPeA_2
Sample: L2467934-09 S/N:36.6 Points Across peak:20



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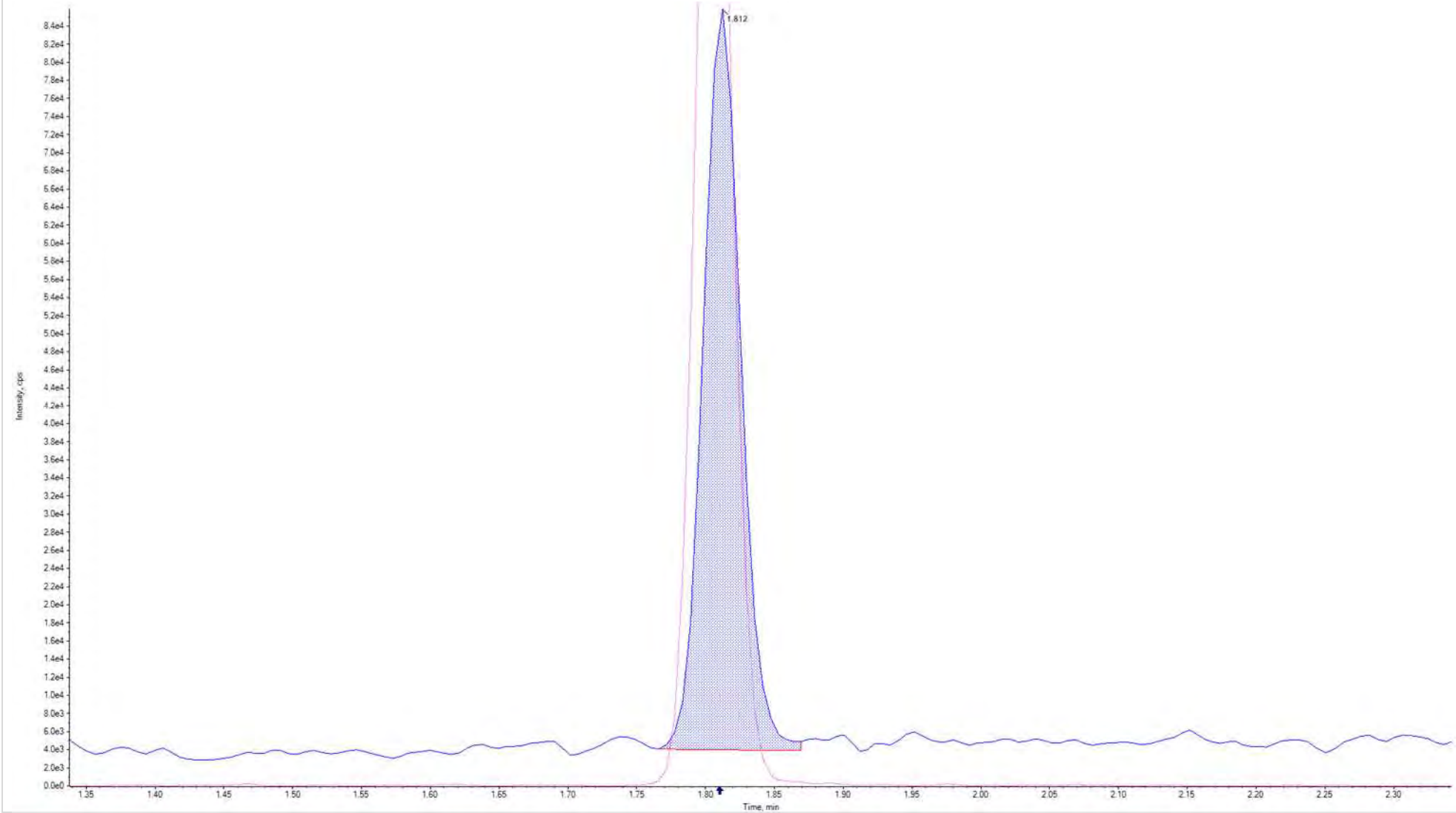
PFHxA
Sample: L2467934-09 S/N:255.9 Points Across peak:19



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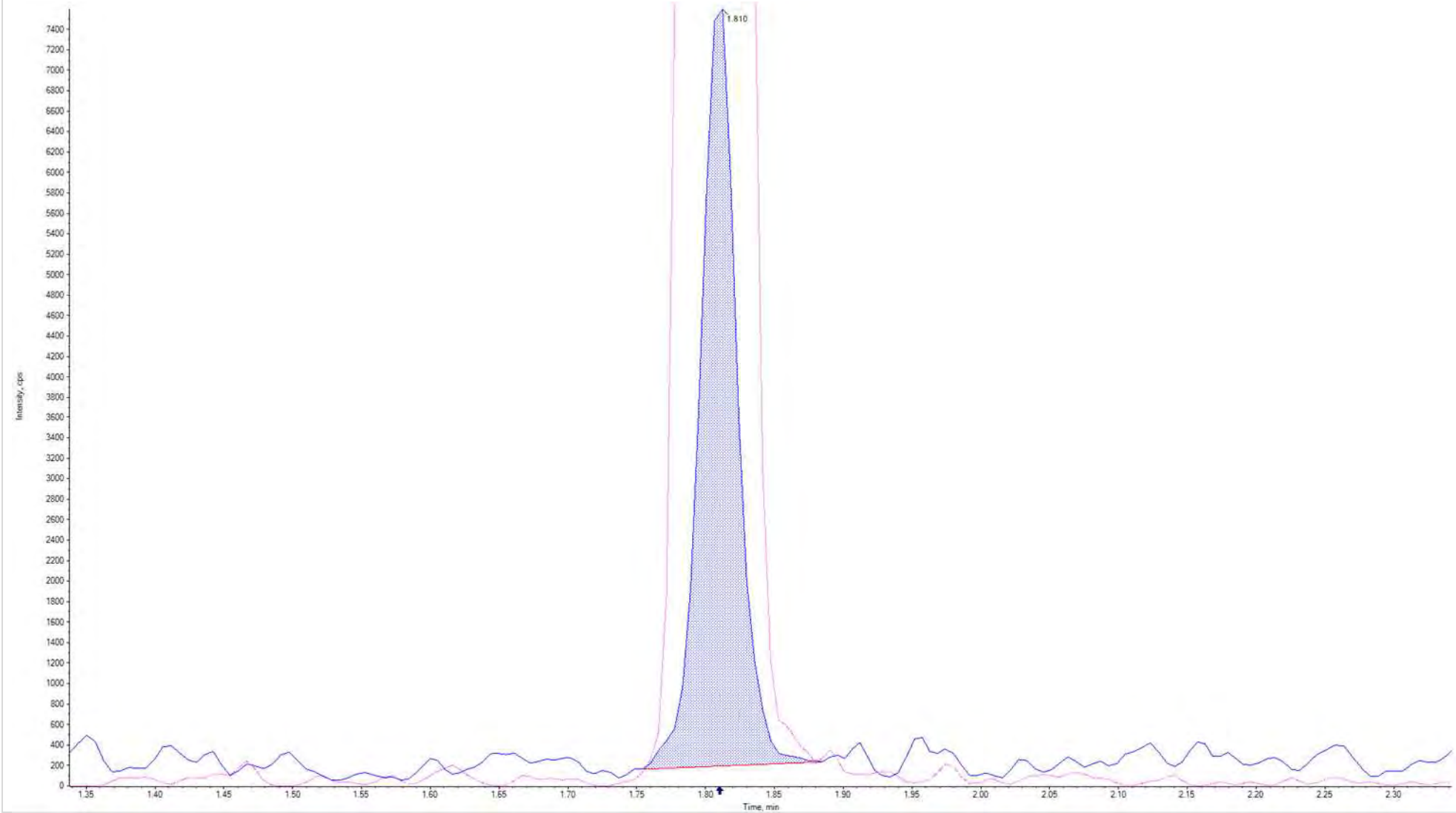
PFHxA_2
Sample: L2467934-09 S/N:185.5 Points Across peak:24



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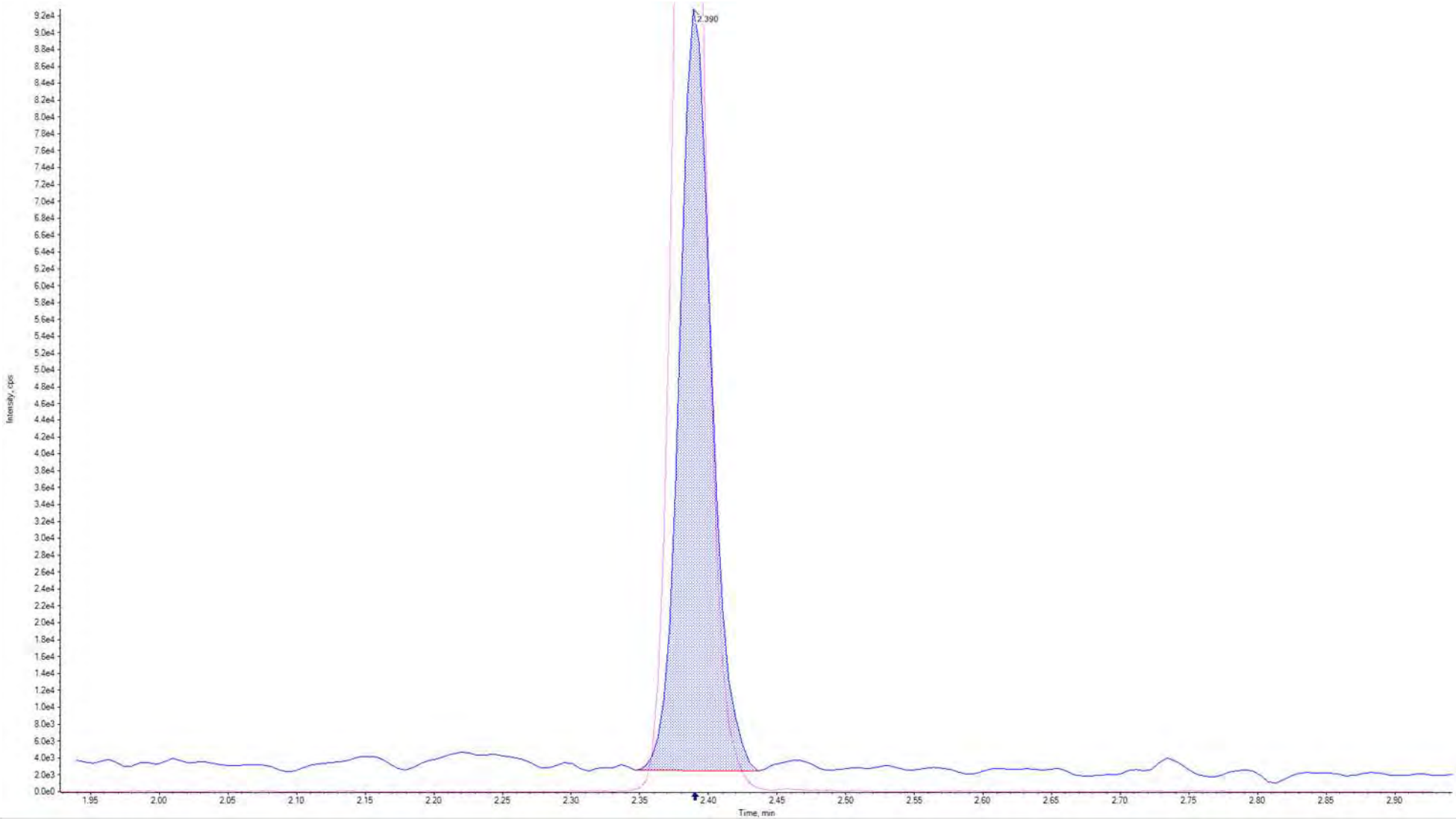
PFHpA
Sample: L2467934-09 S/N:366.3 Points Across peak:21



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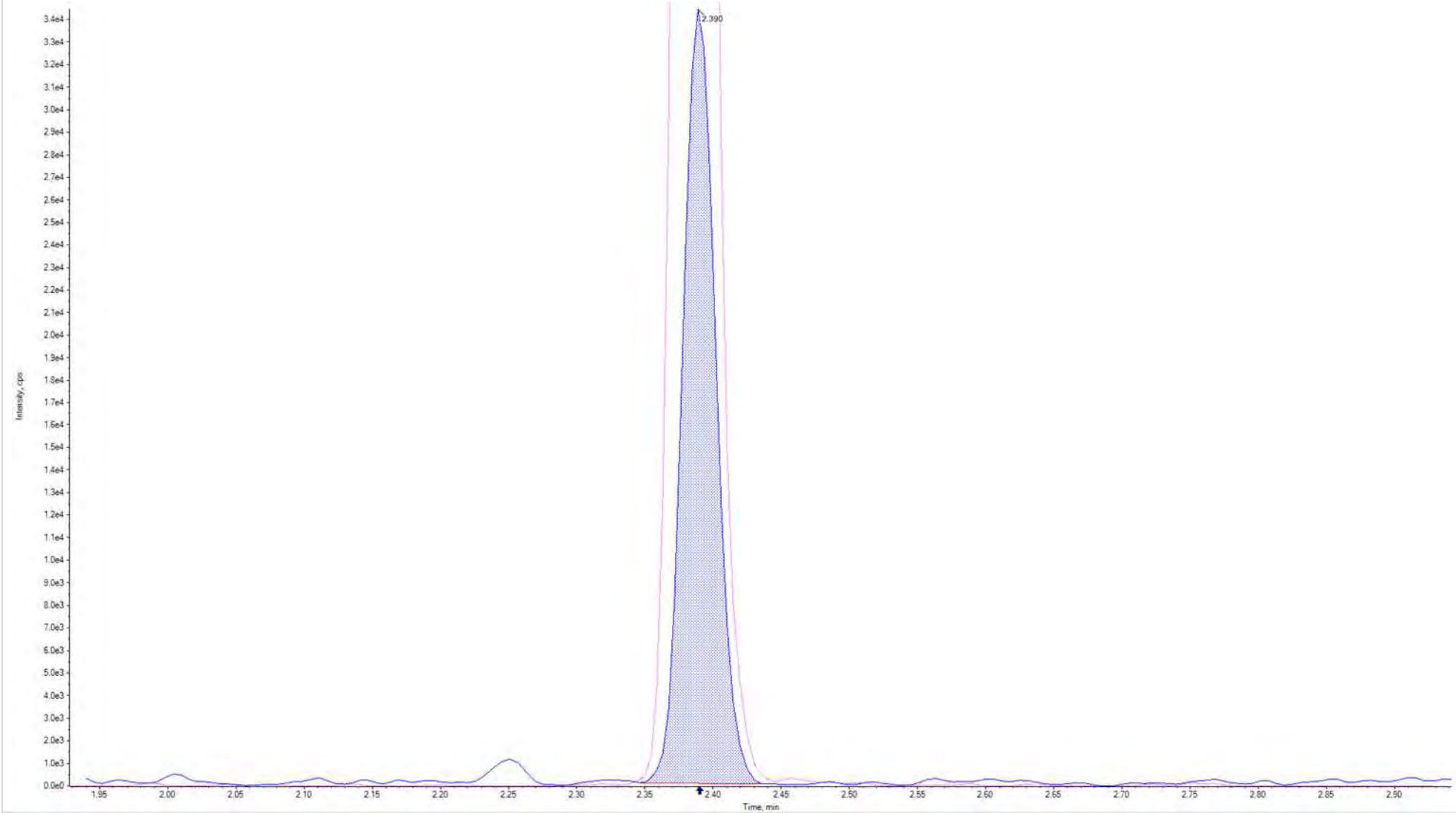
PFHpA_2
Sample: L2467934-09 S/N:688.8 Points Across peak:21



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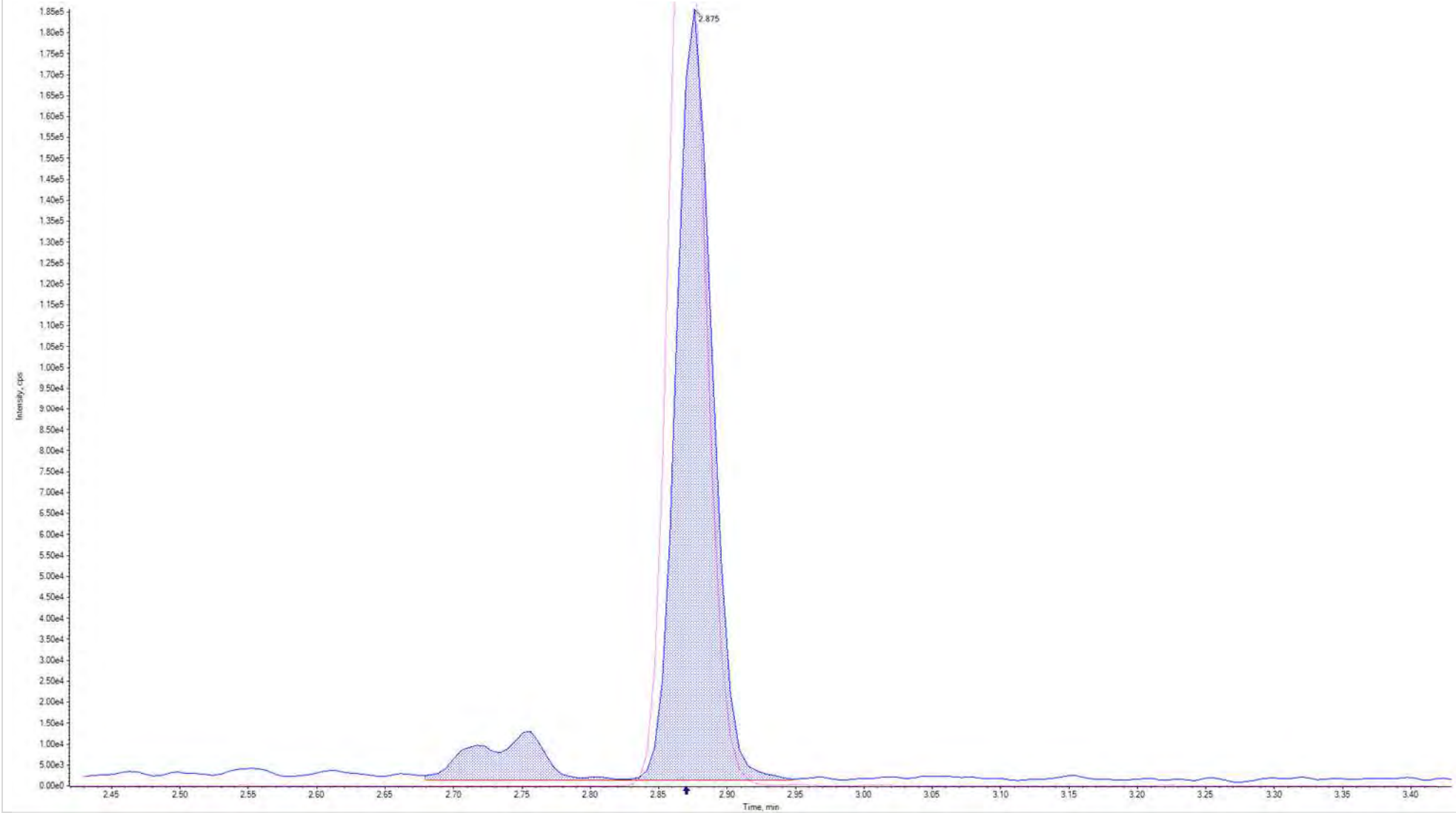
PFOA
Sample: L2467934-09 S/N:344.0 Points Across peak:48



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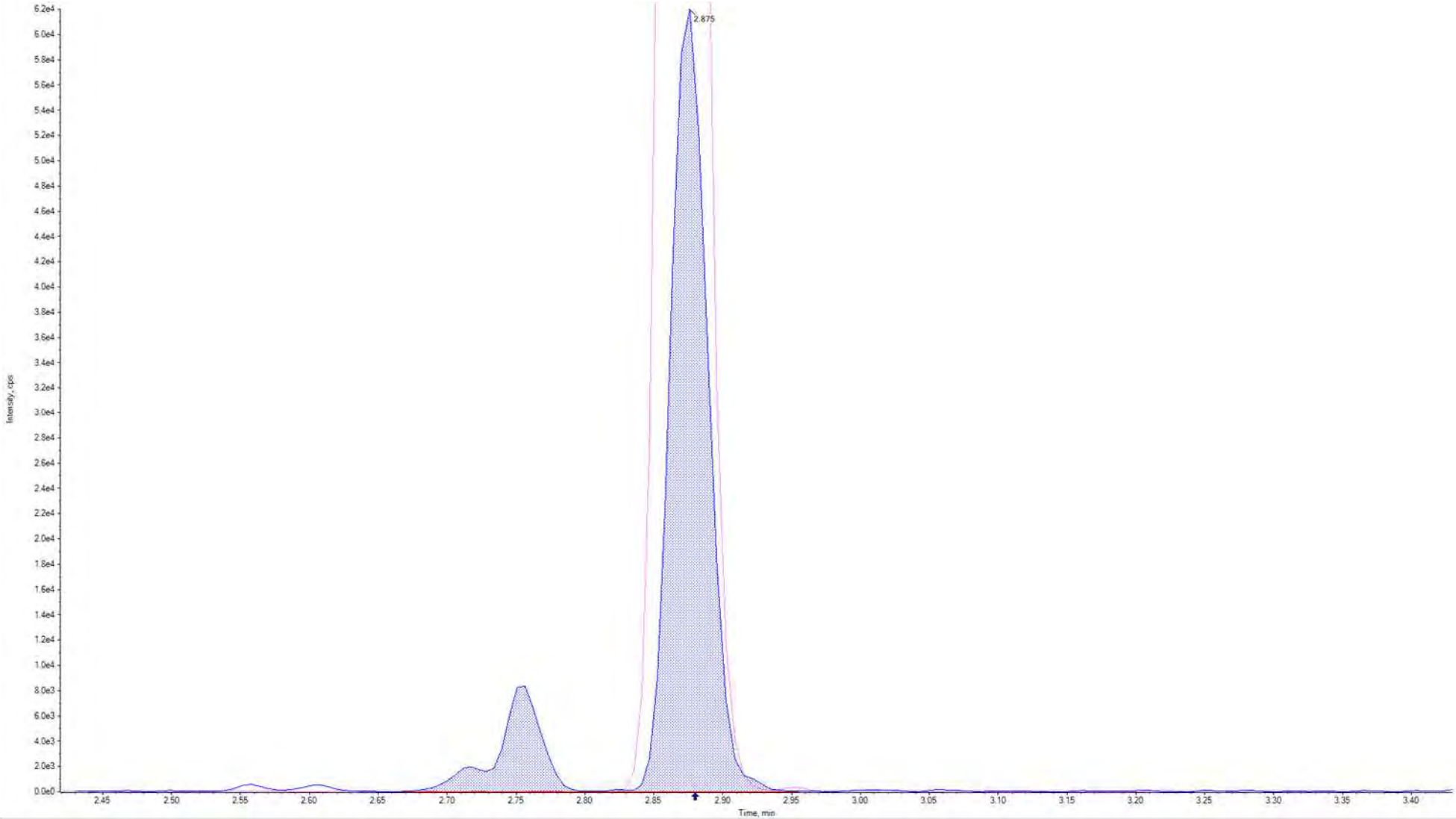
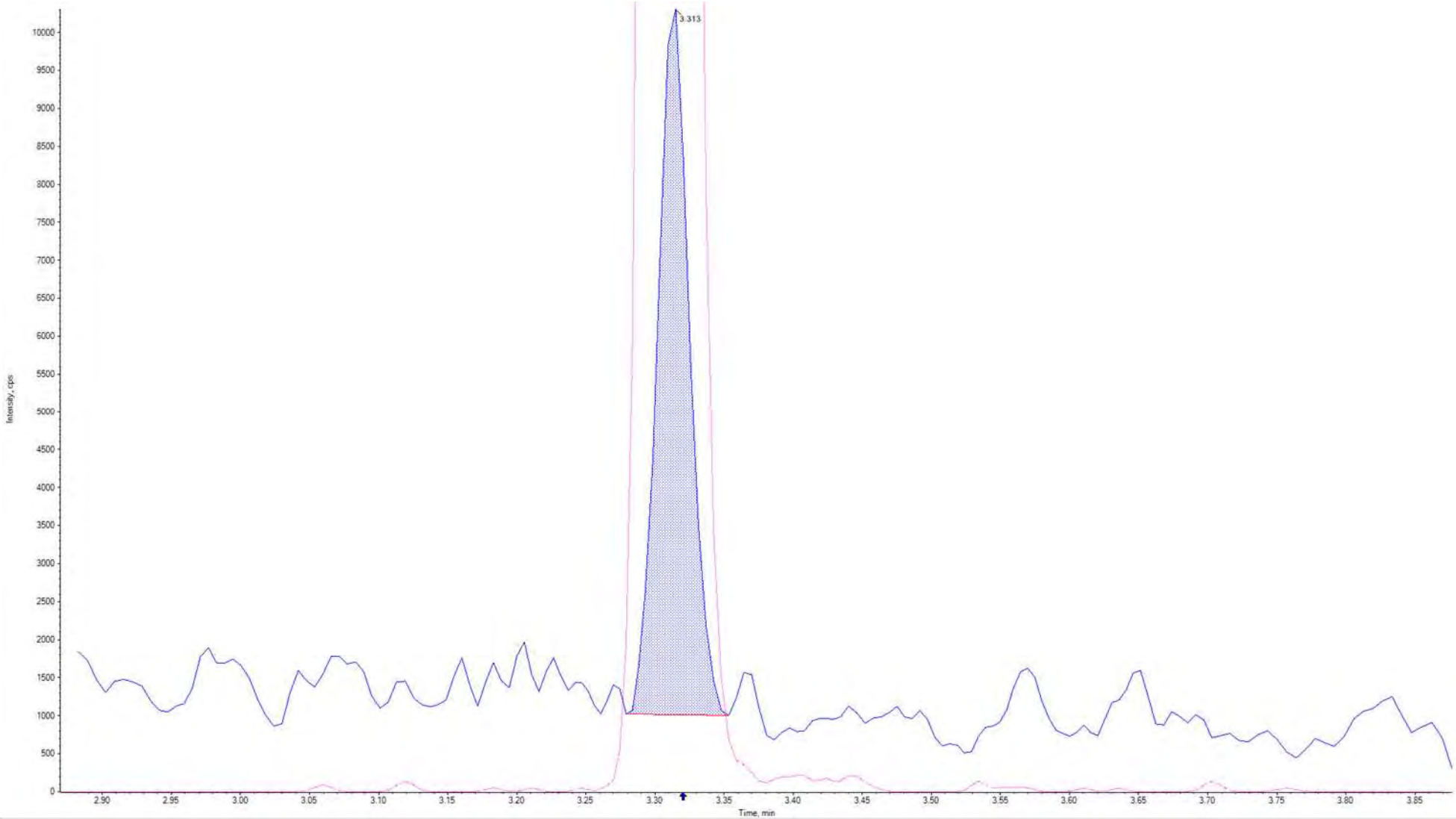
PFOA_2
Sample: L2467934-09 S/N:635.5 Points Across peak:52



PFNA
Sample: L2467934-09 S/N:57.5 Points Across peak:15



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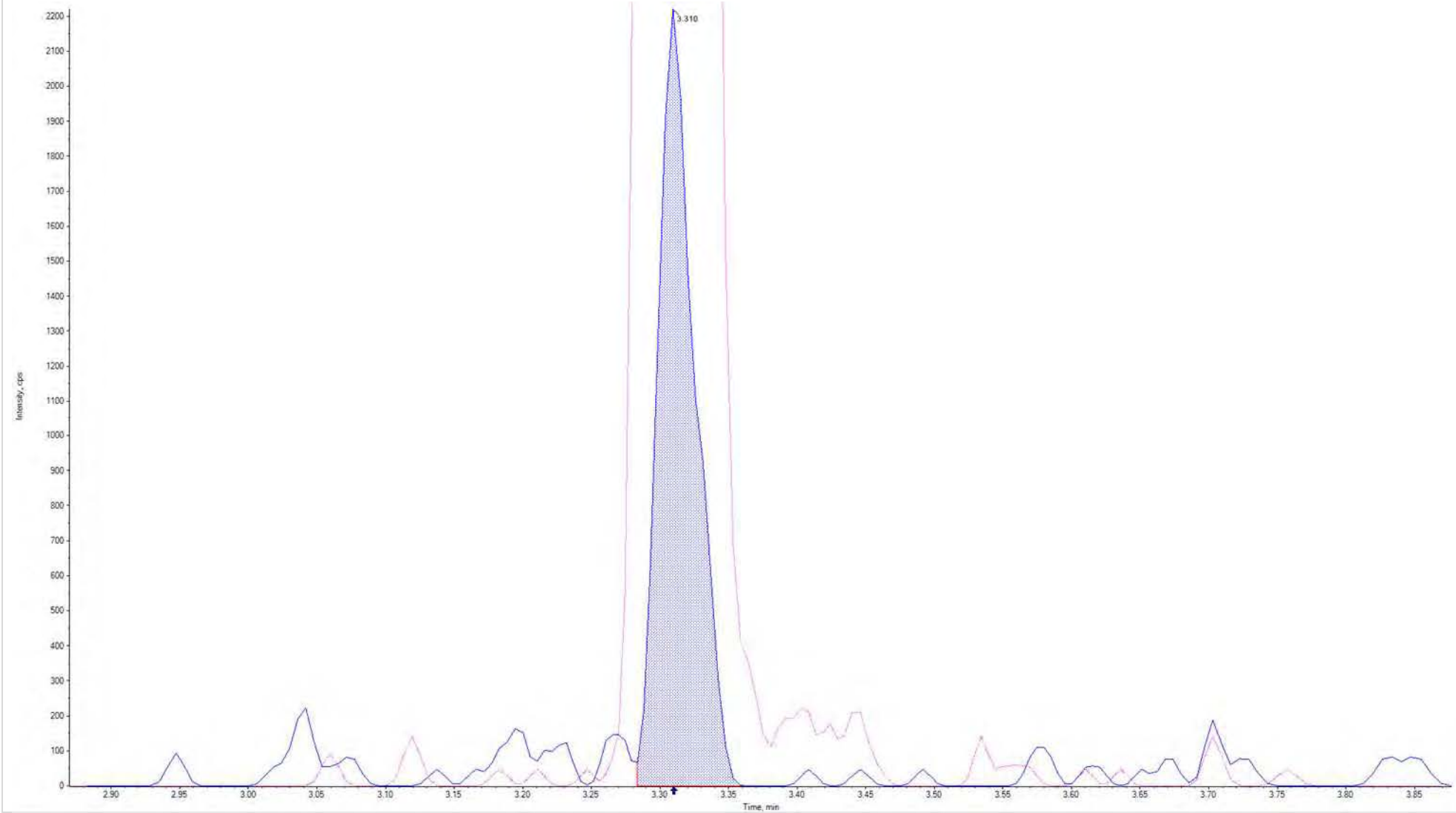
PFNA_2
Sample: L2467934-09 S/N:50.1 Points Across peak:17



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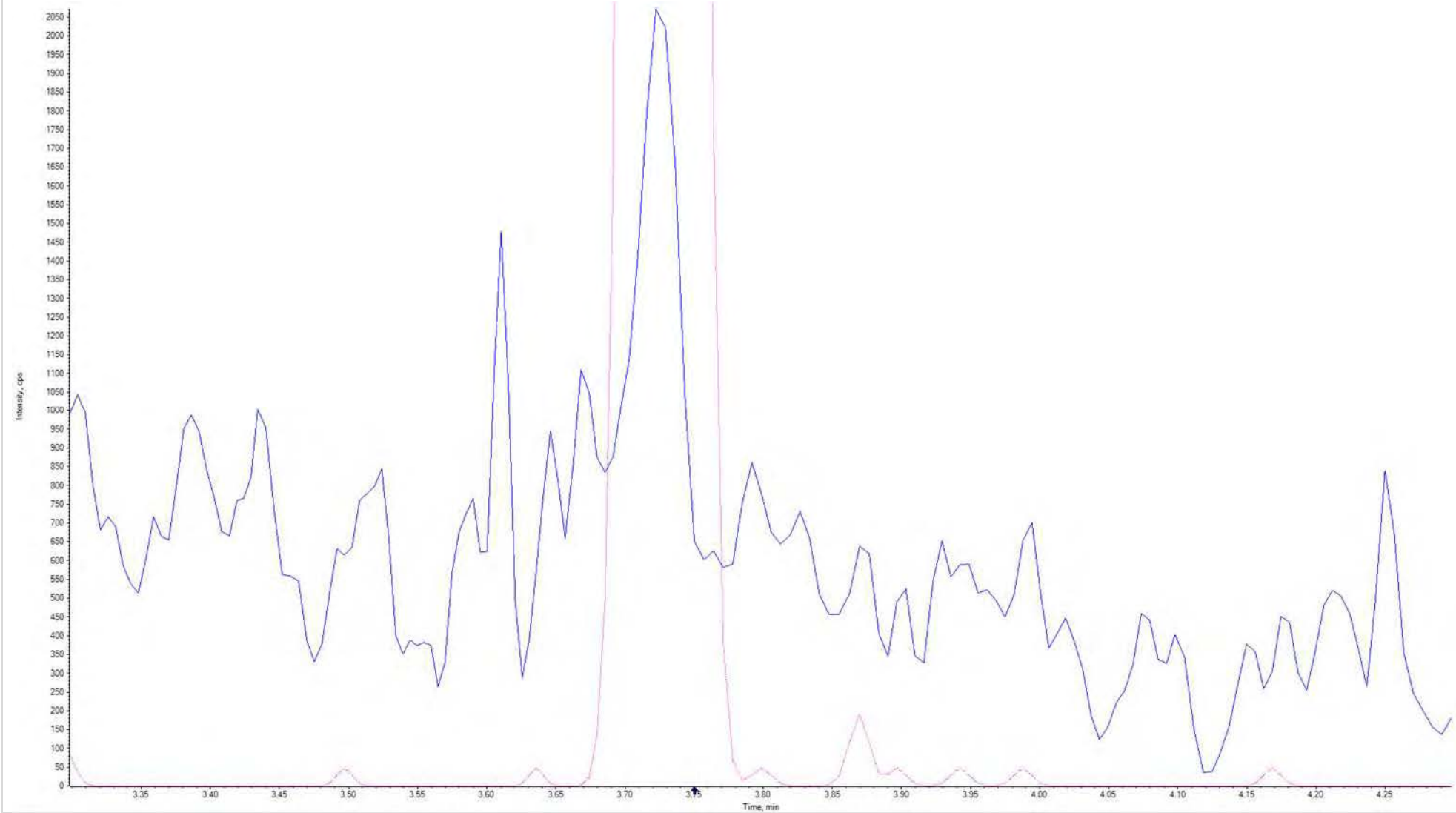
PFDA
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



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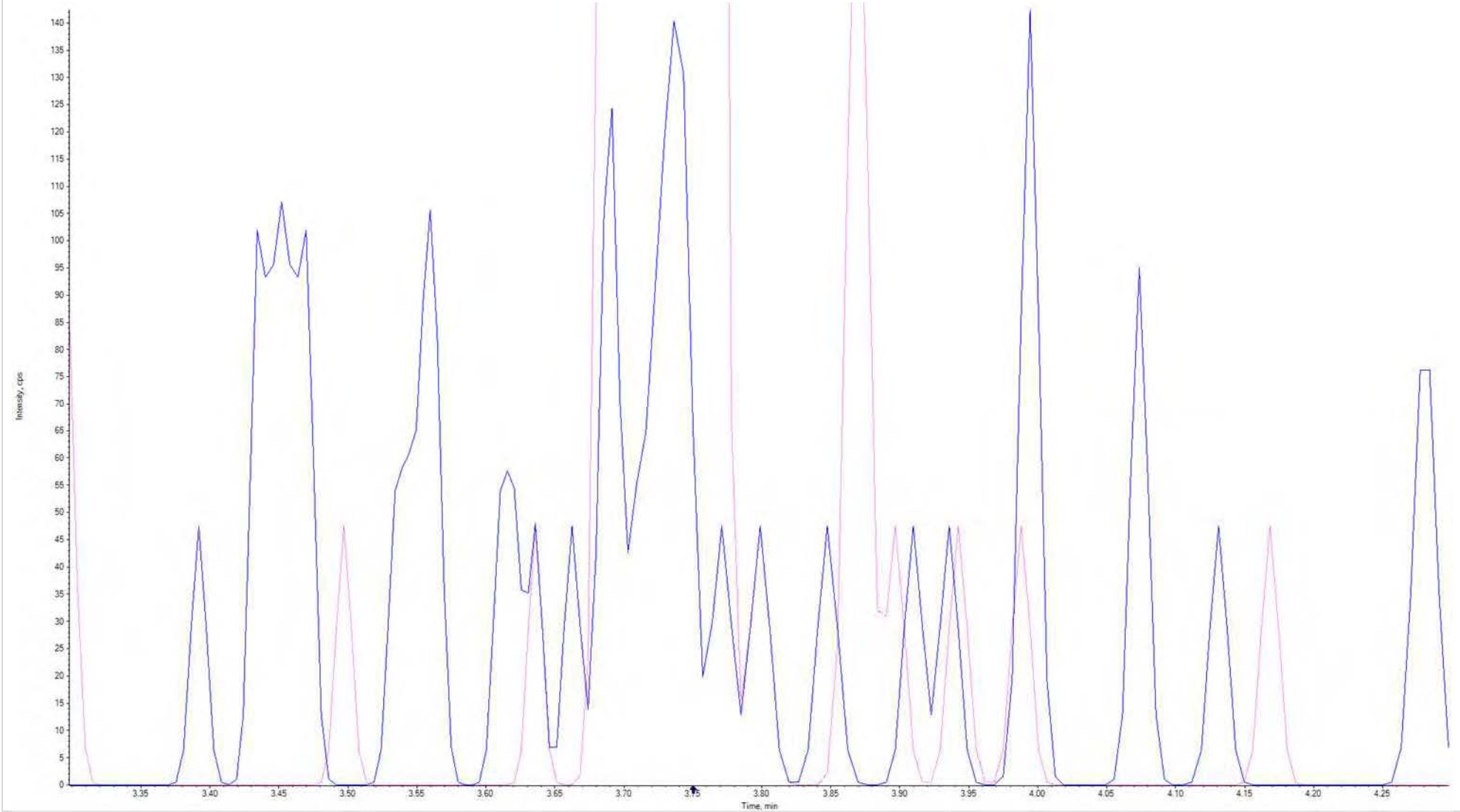
PFDA_2
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



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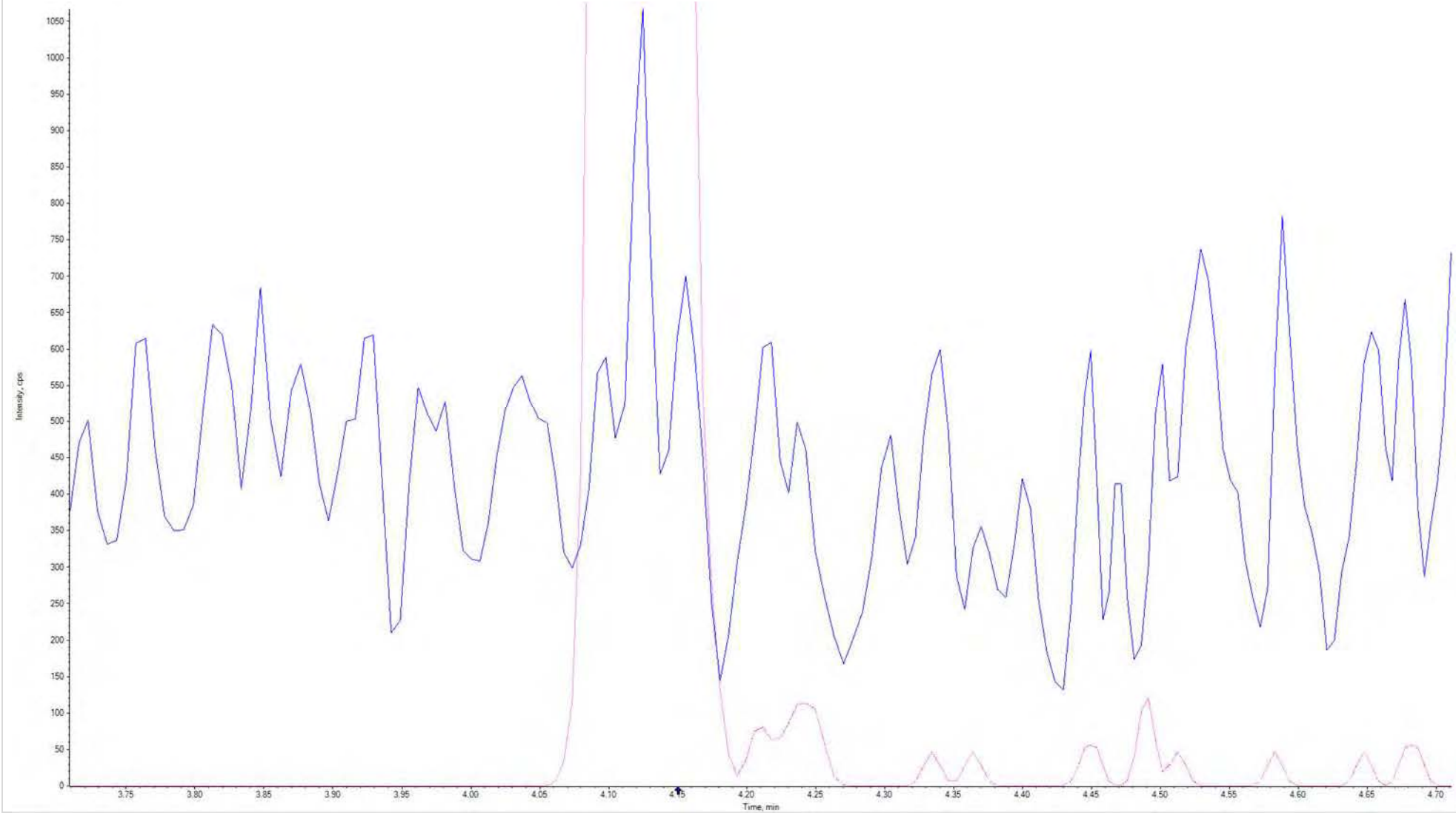
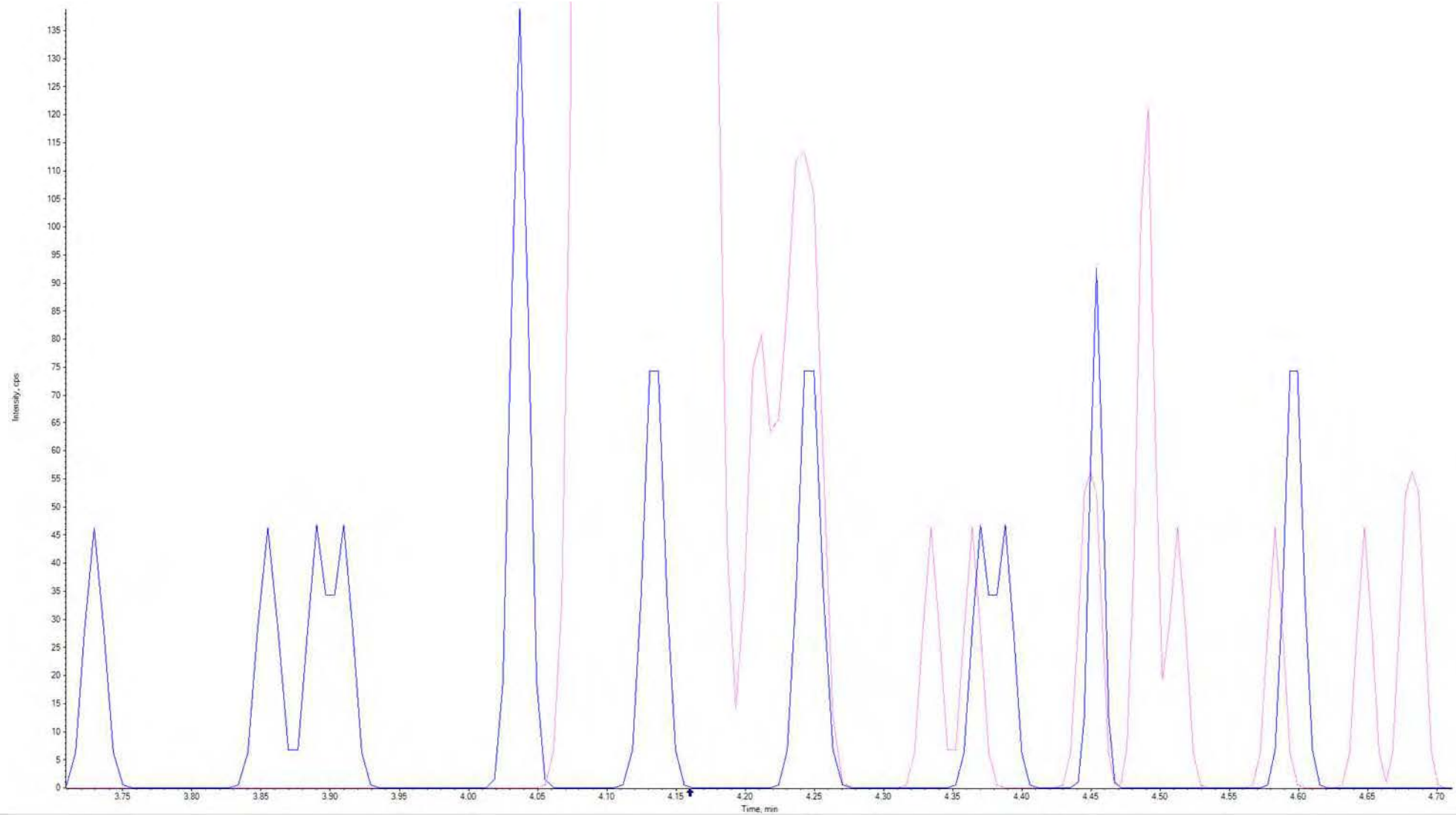
PFUnA
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



PFUnA_2
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



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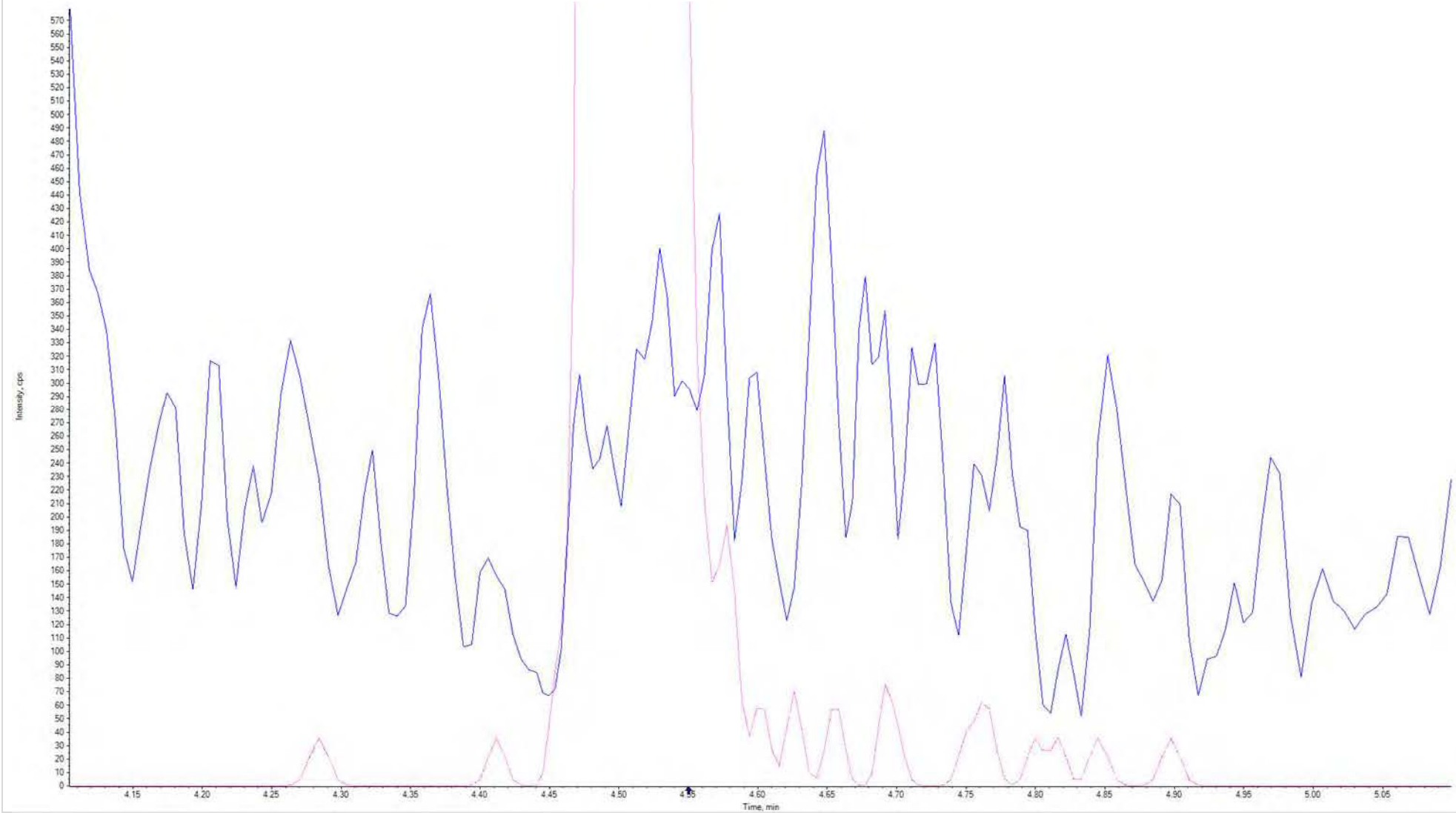
PFDoA
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



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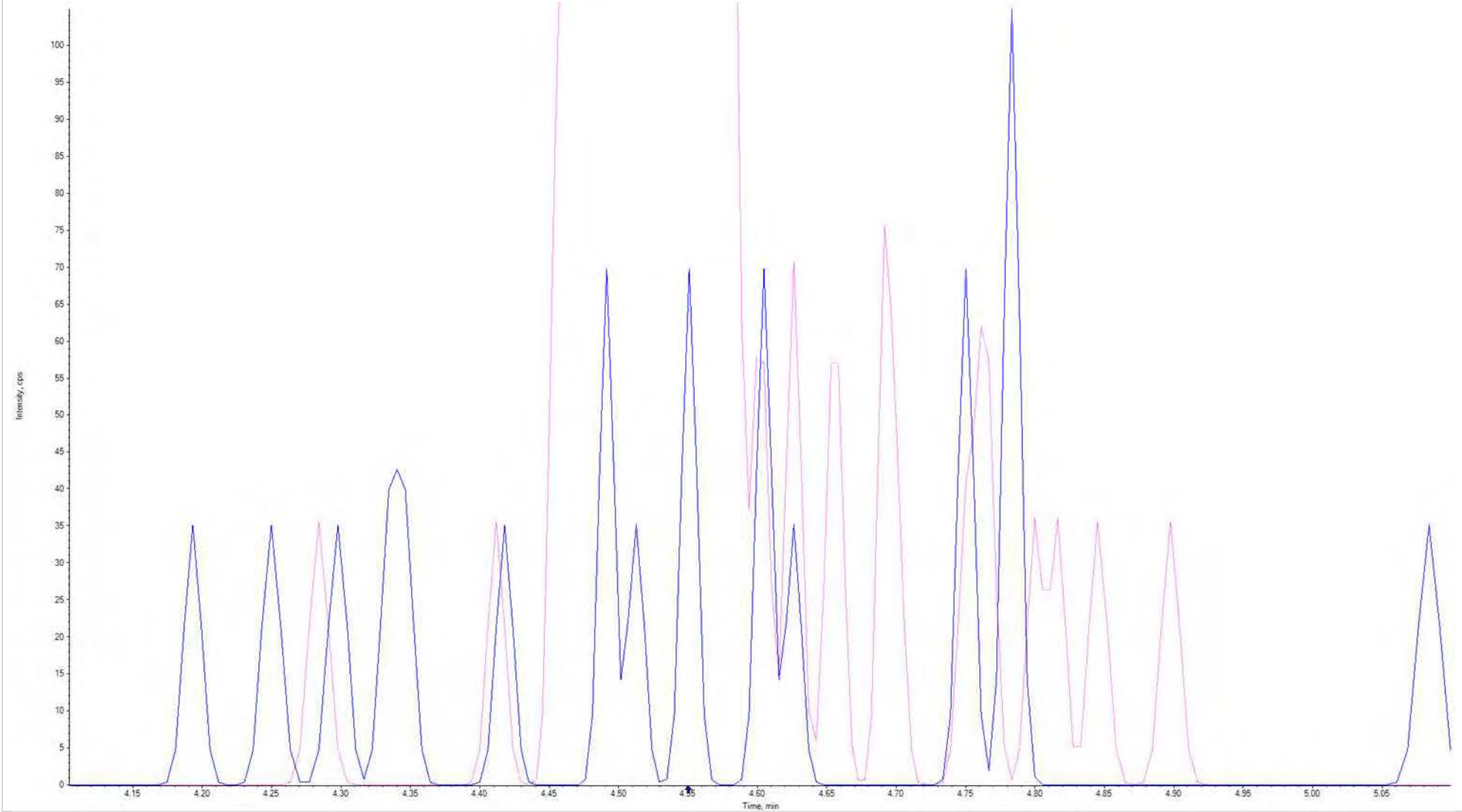
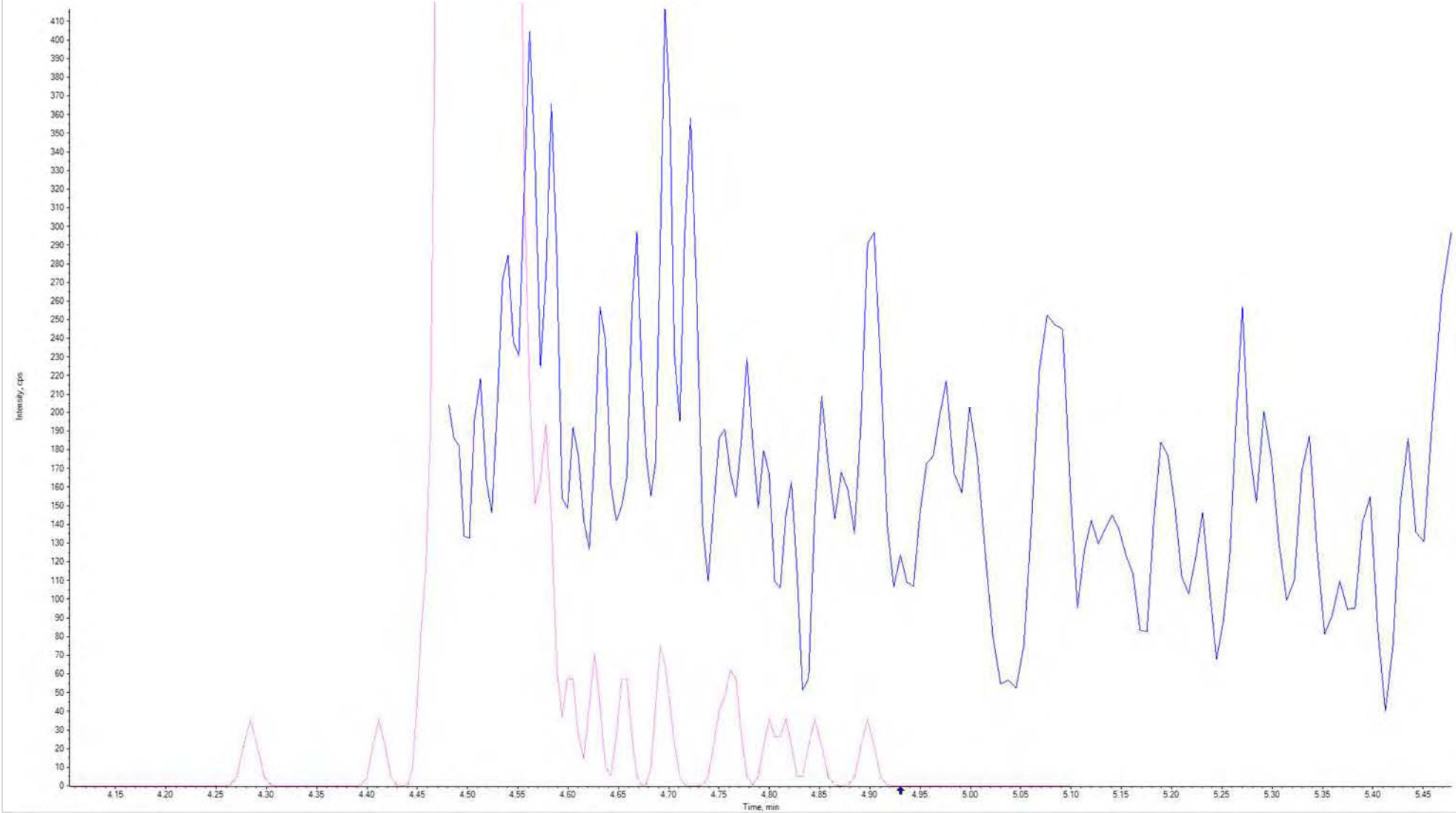
PFDoA_2
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



PFTrDA
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



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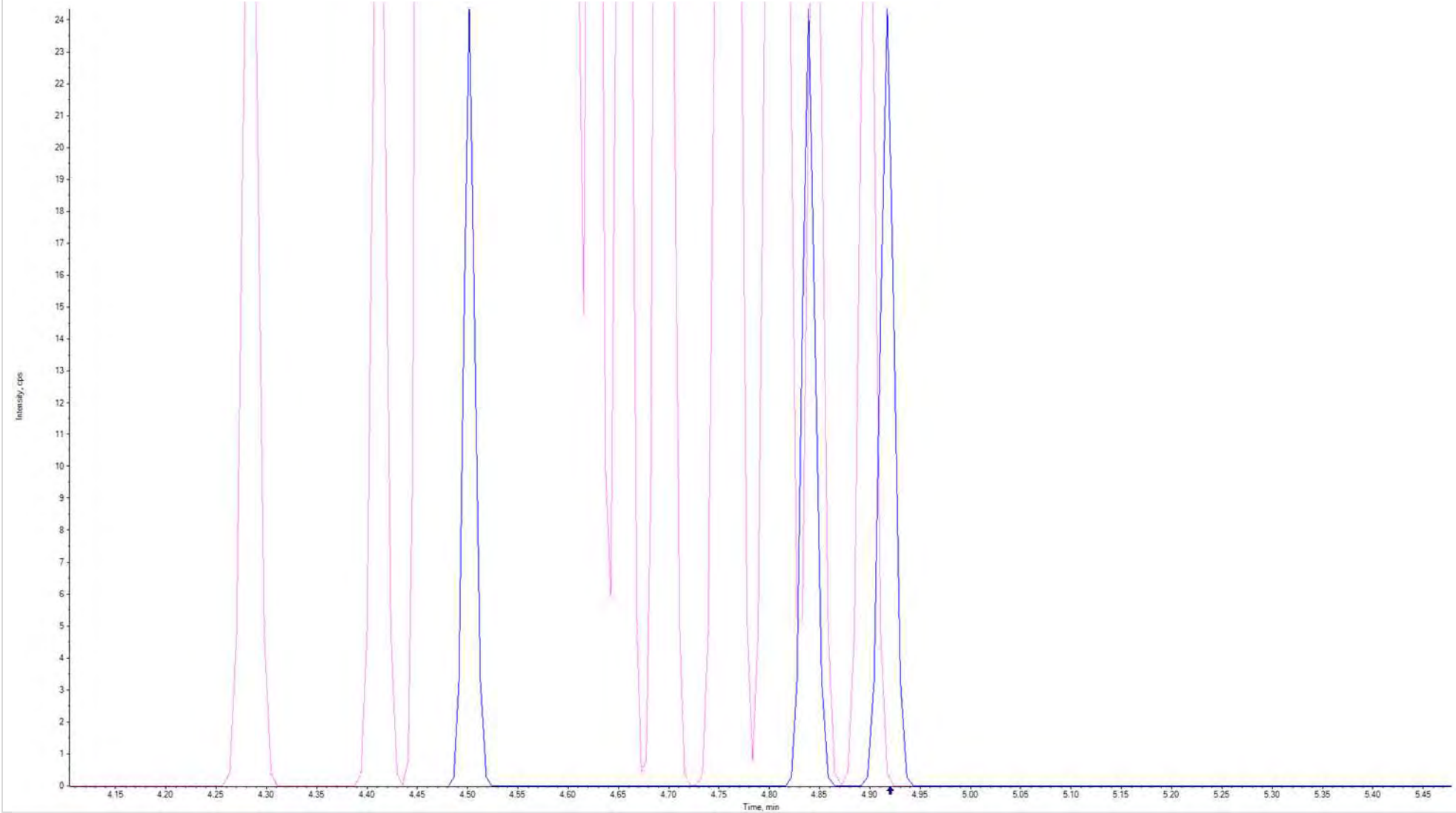
PFTrDA_2
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



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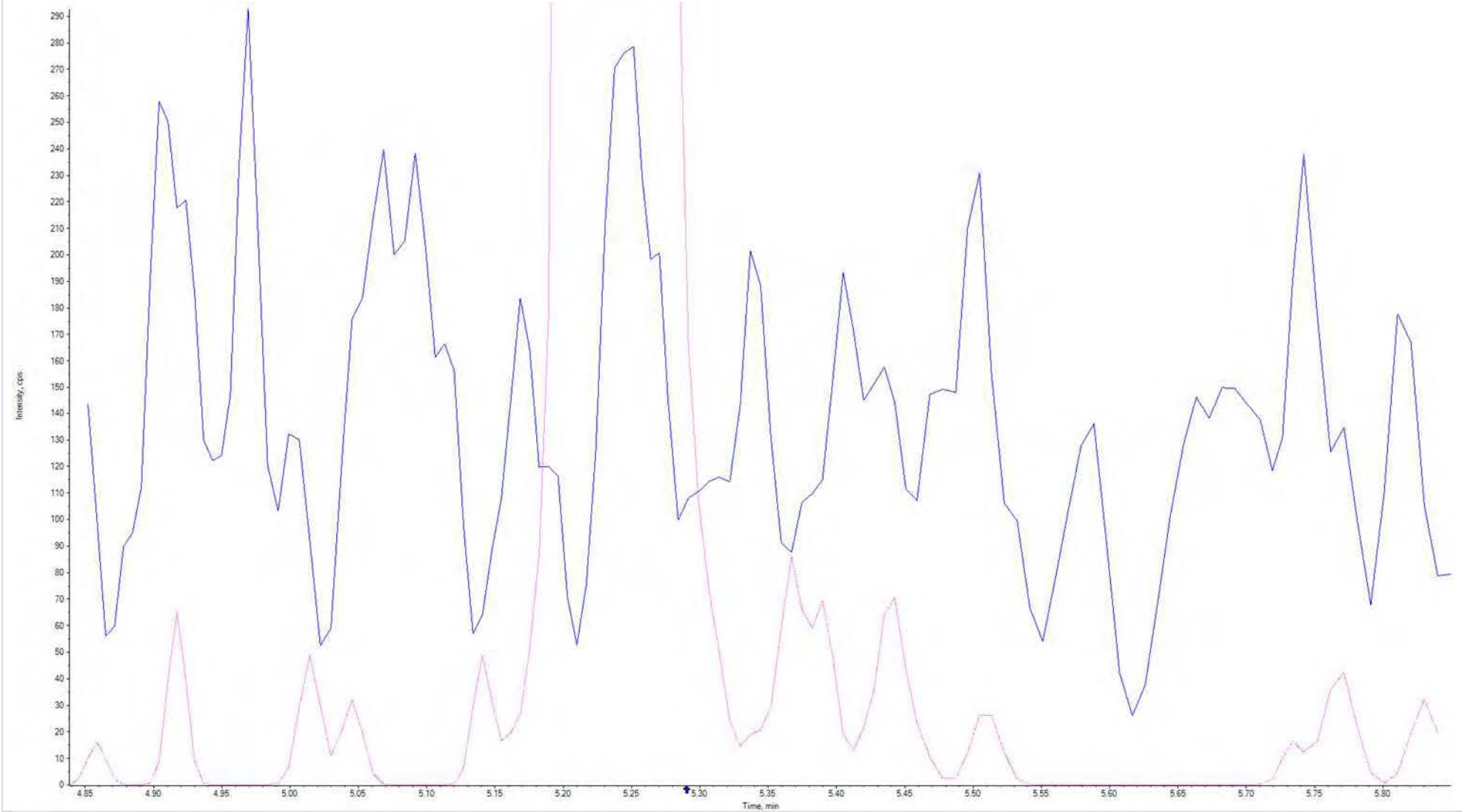
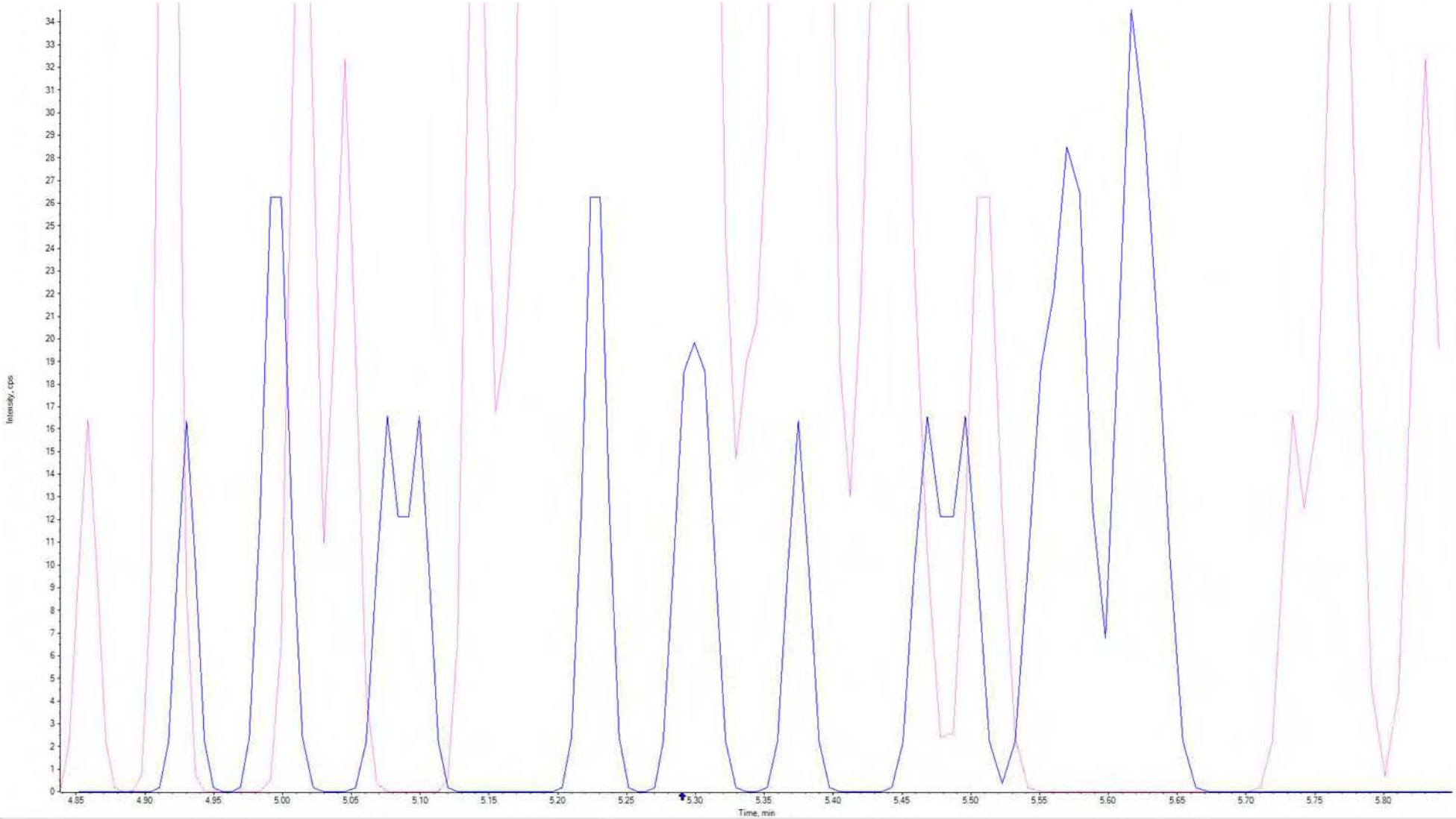
PFTeDA
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



PFTeDA_2
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



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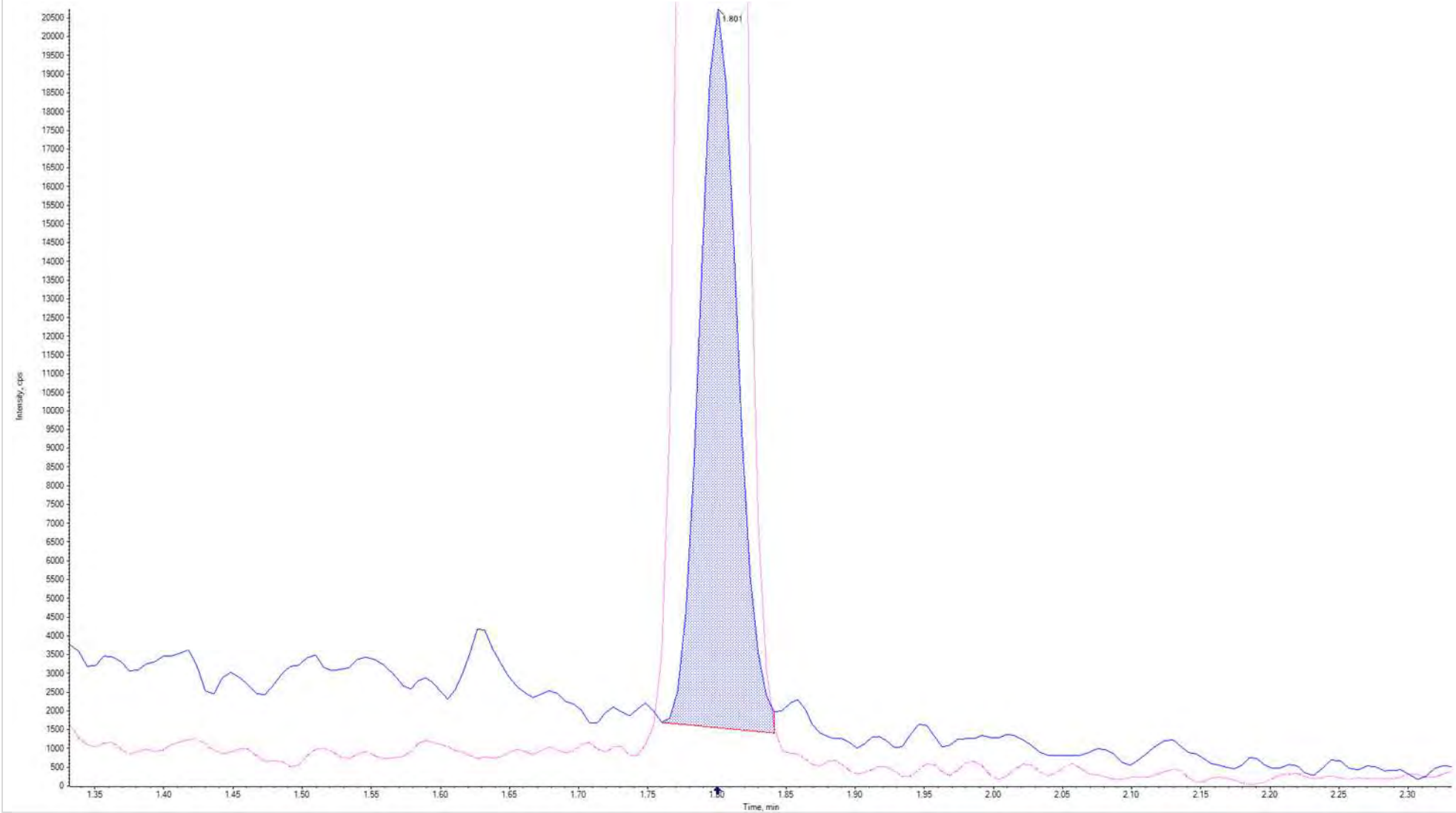
PFBS
Sample: L2467934-09 S/N:263.7 Points Across peak:15



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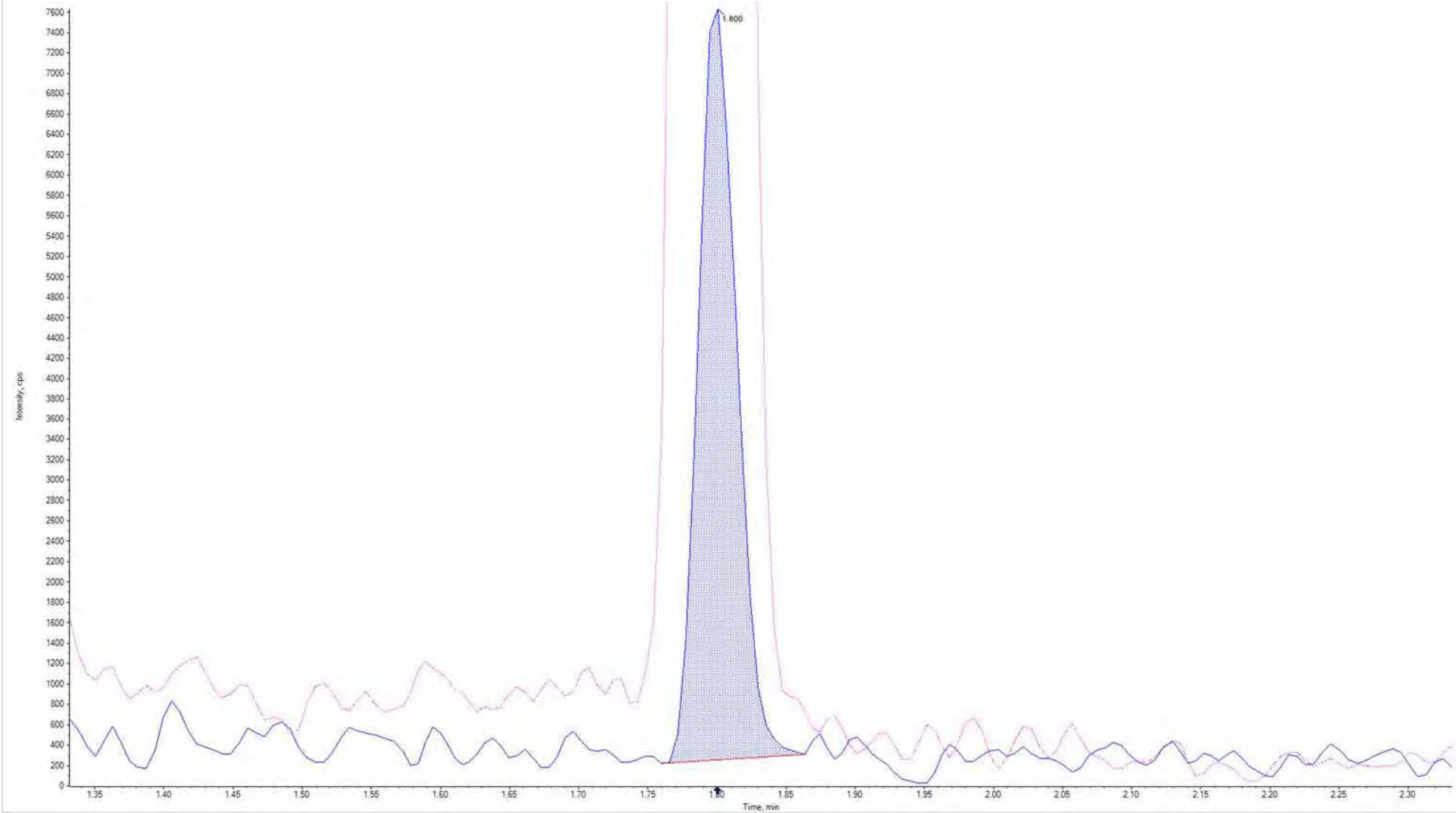
PFBS_2
Sample: L2467934-09 S/N:184.8 Points Across peak:19



PFPeS
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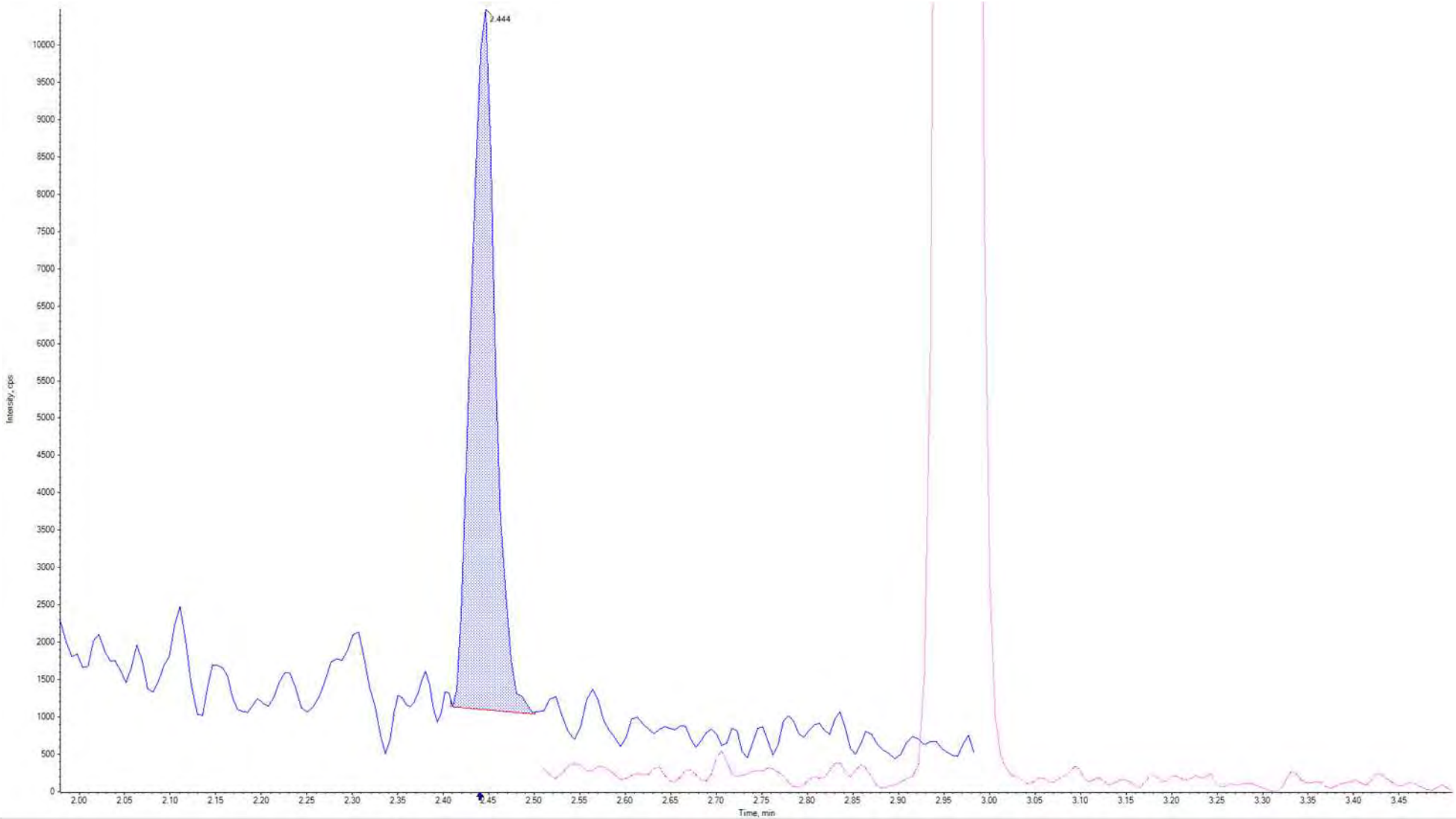

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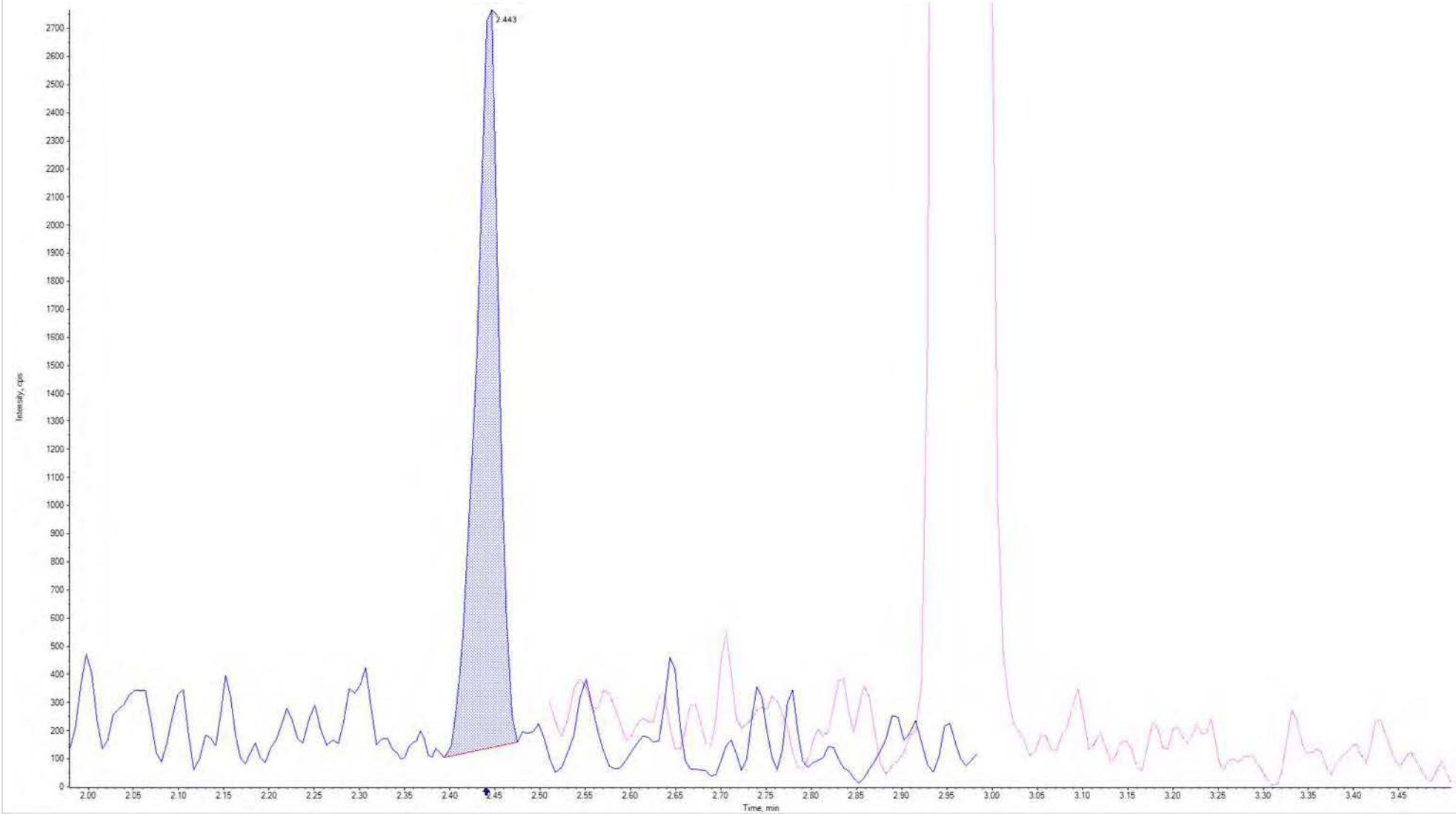
PFPeS_2
Sample: L2467934-09 S/N:52.7 Points Across peak:17



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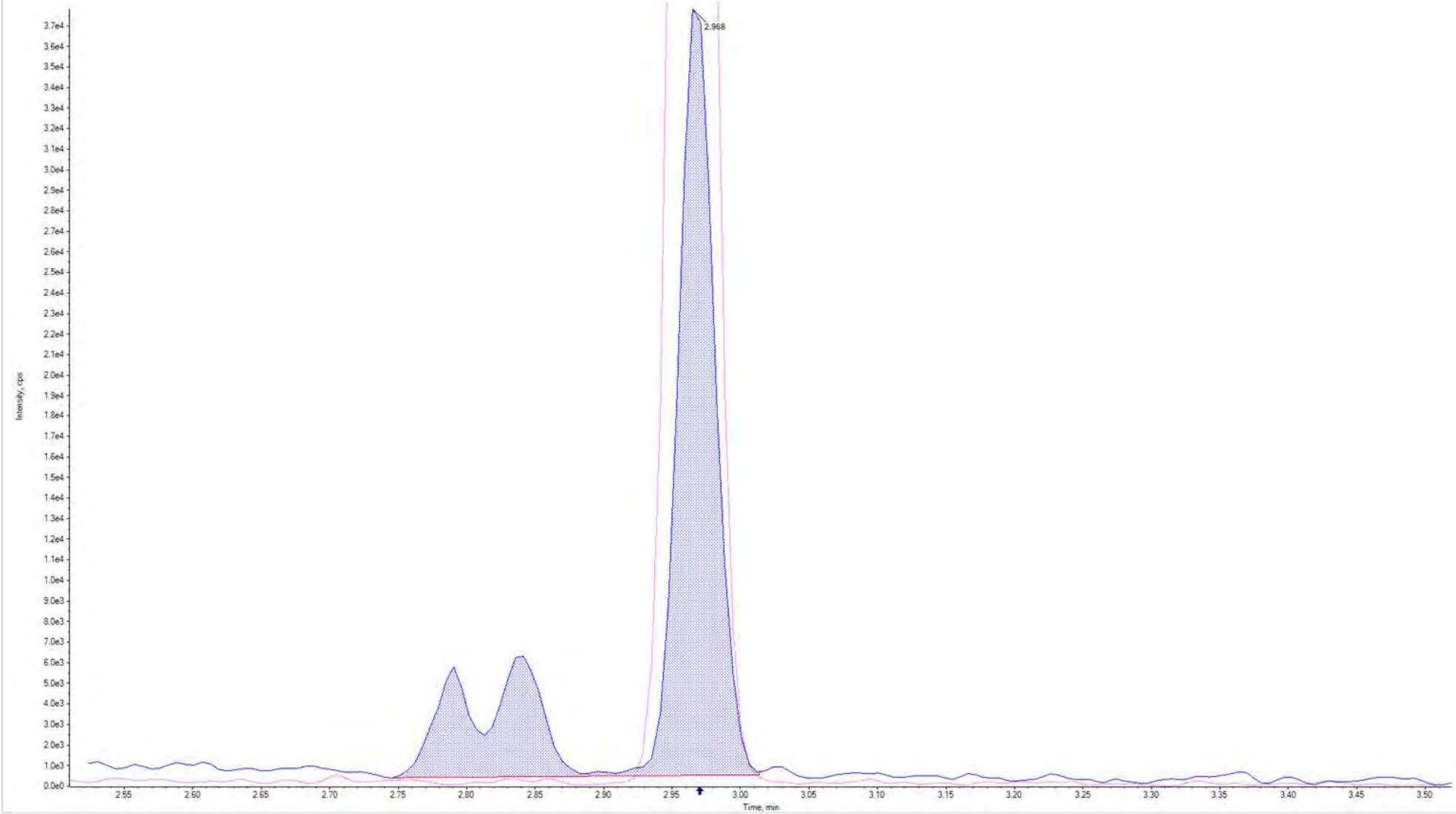
PFHxS
Sample: L2467934-09 S/N:205.4 Points Across peak:47



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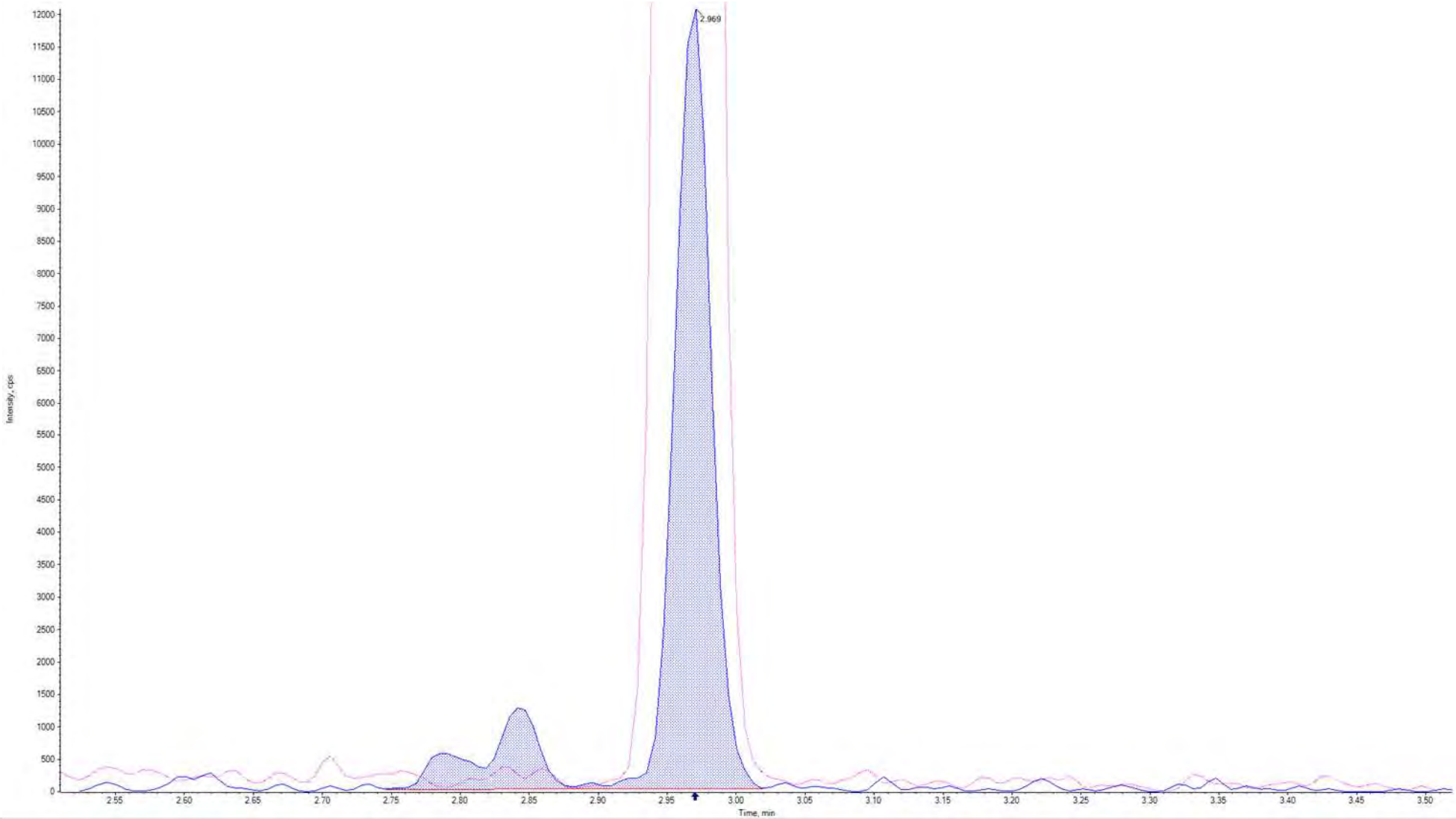
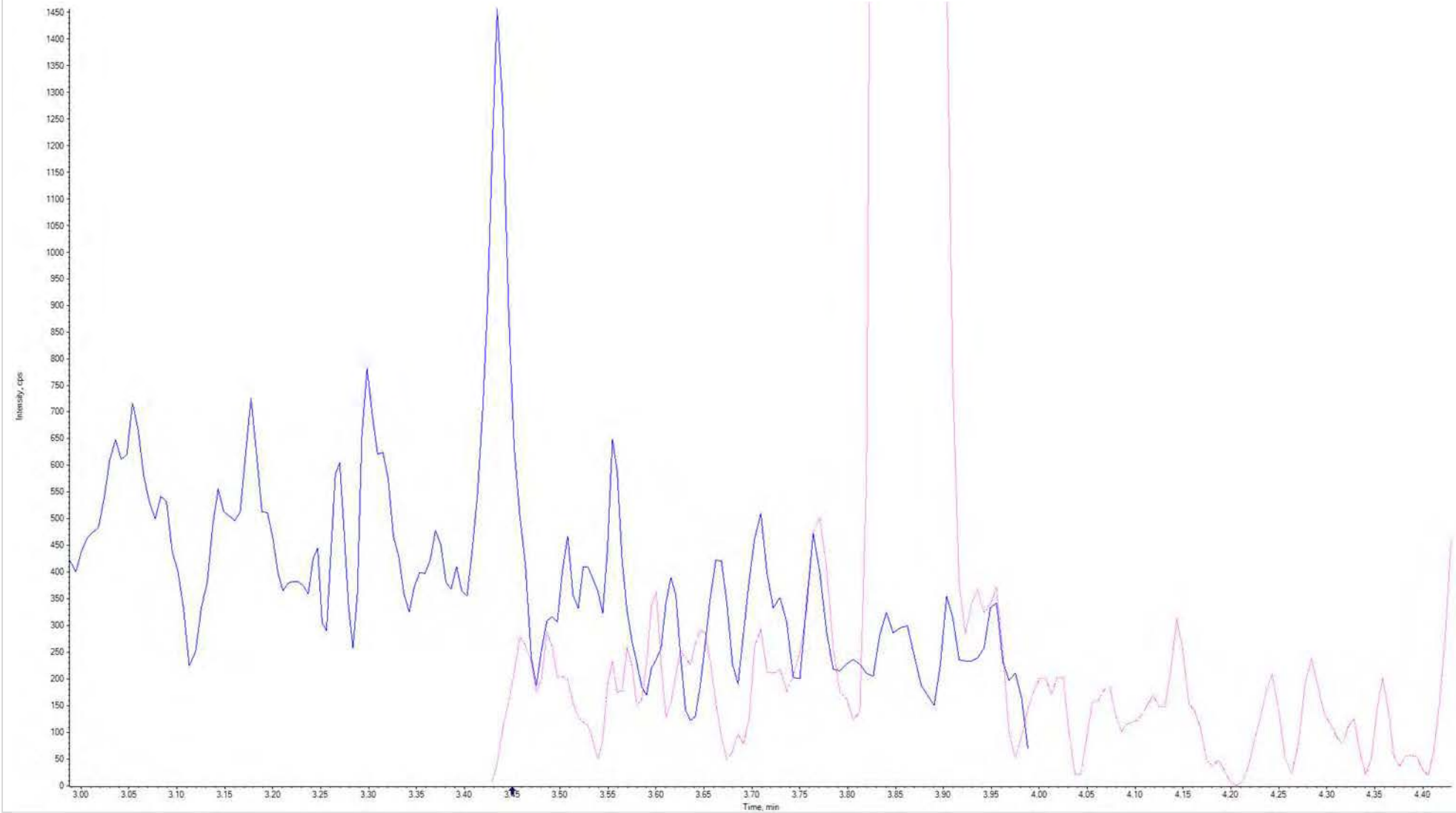
PFHxS_2
Sample: L2467934-09 S/N:242.3 Points Across peak:48



PFHpS
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



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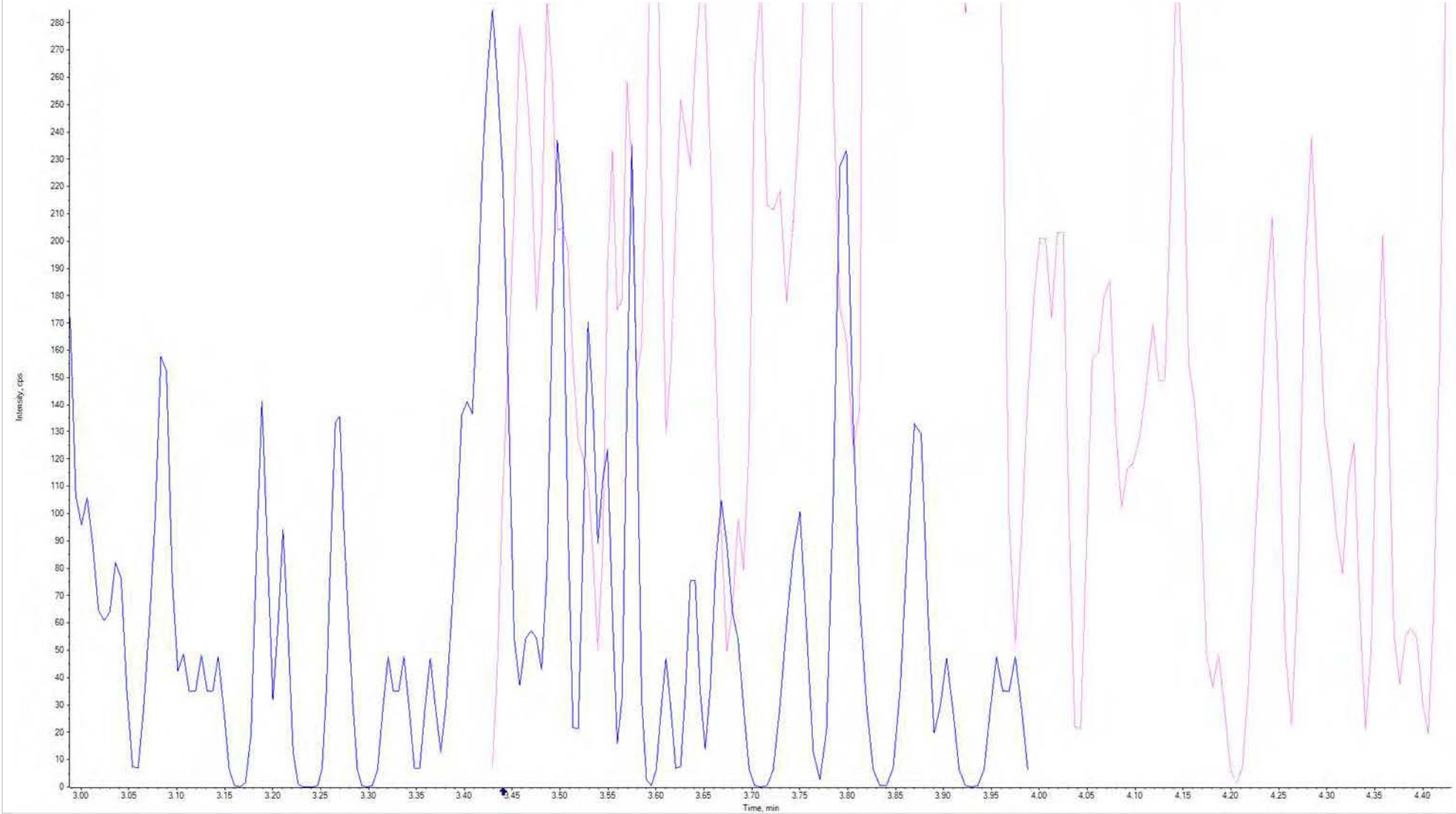
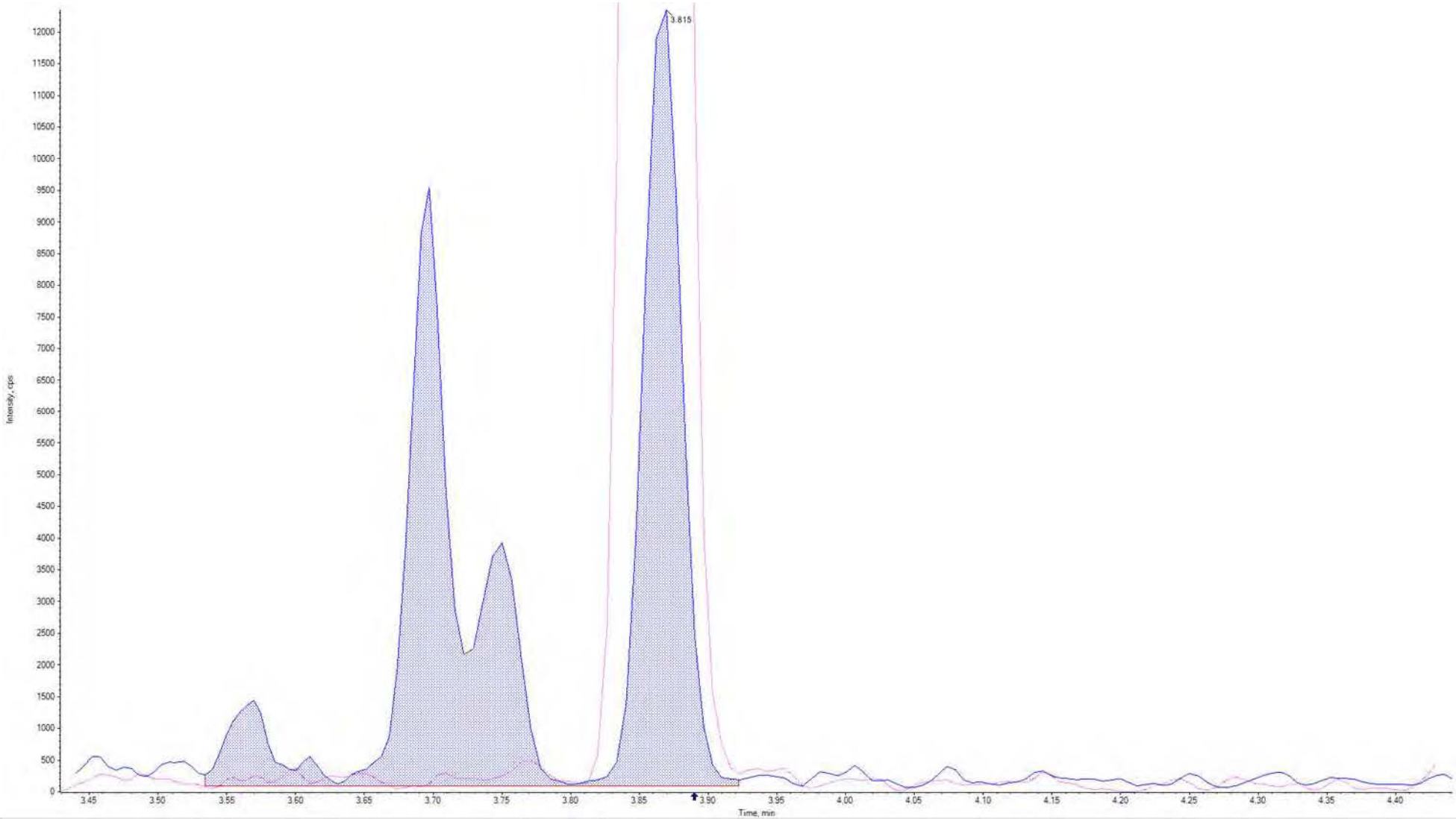
Generated: 12/23/2024 2:36:12 PM

PFHpS_2
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



PFOS
Sample: L2467934-09 S/N:90.3 Points Across peak:65



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Alpha Analytical LLC
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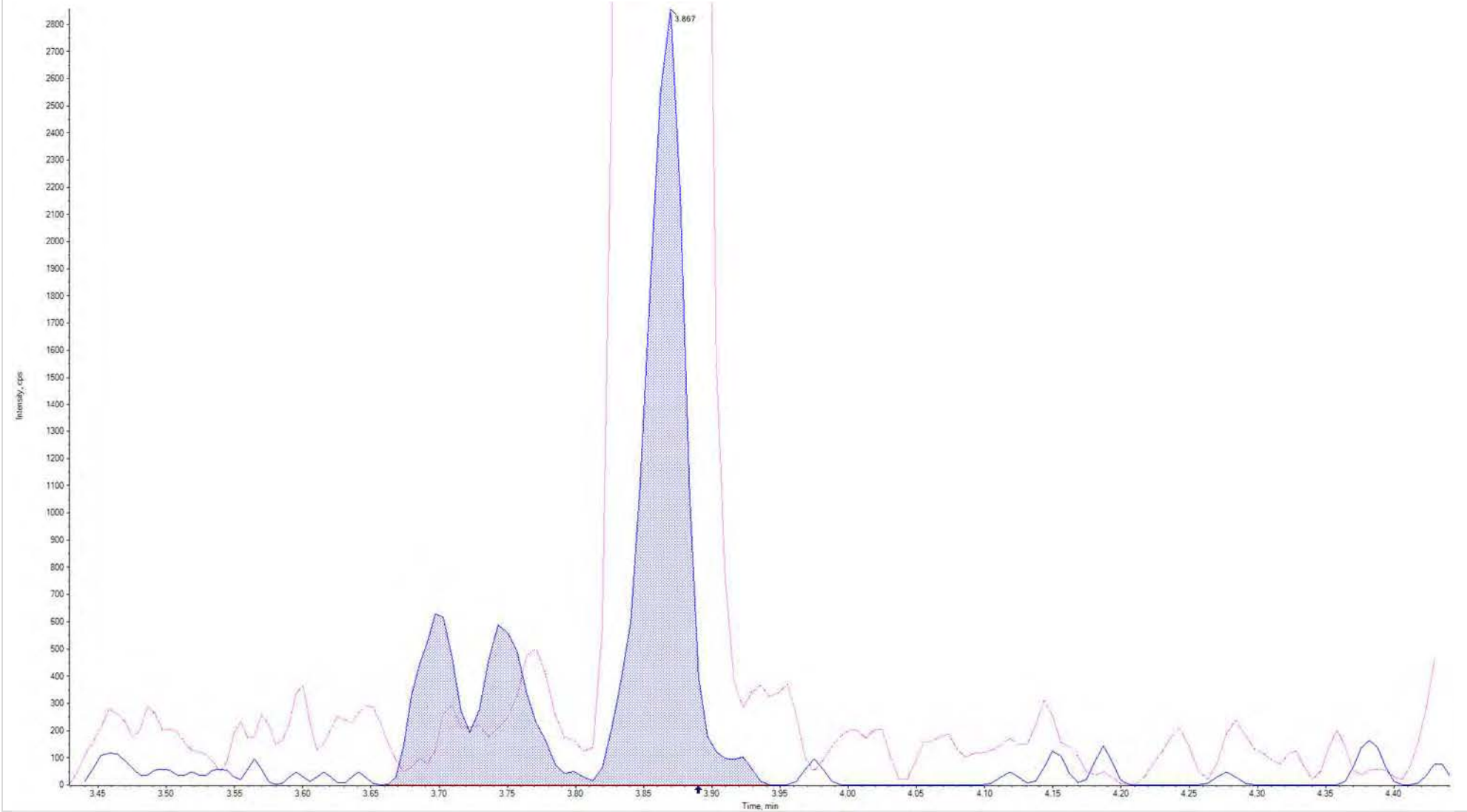
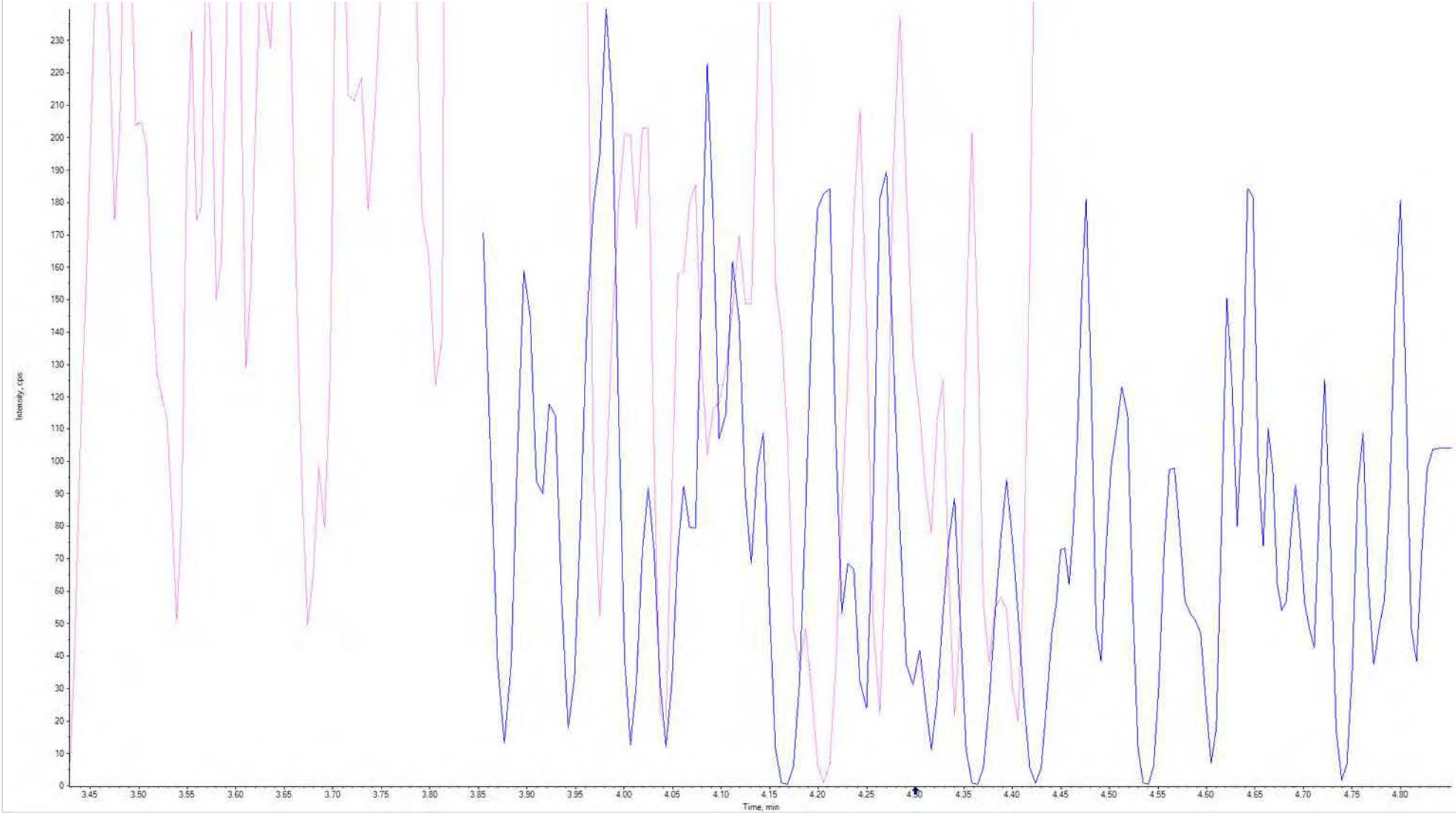
PFOS_2
Sample: L2467934-09 S/N:57.3 Points Across peak:45



PFNS
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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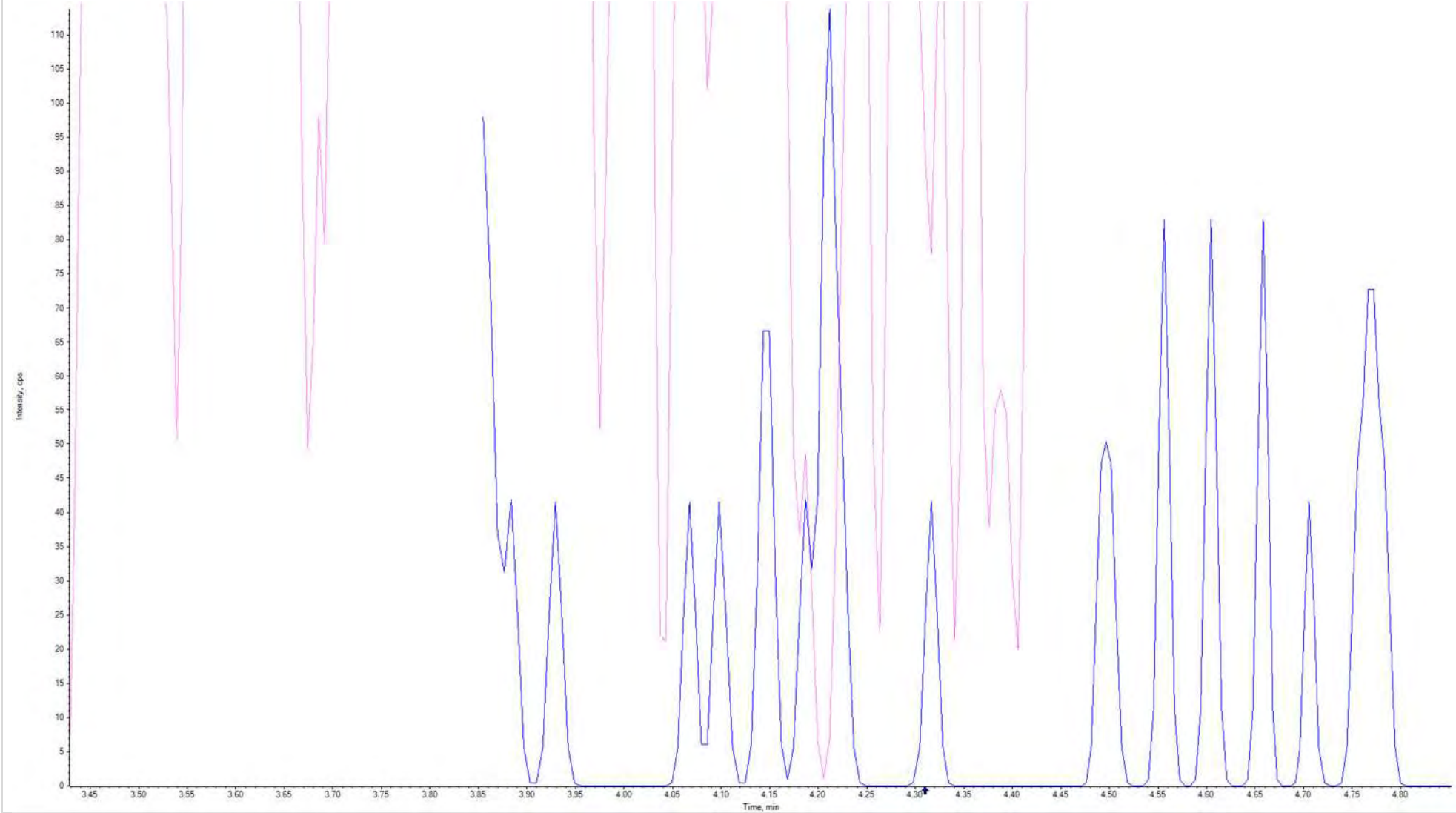
PFNS_2
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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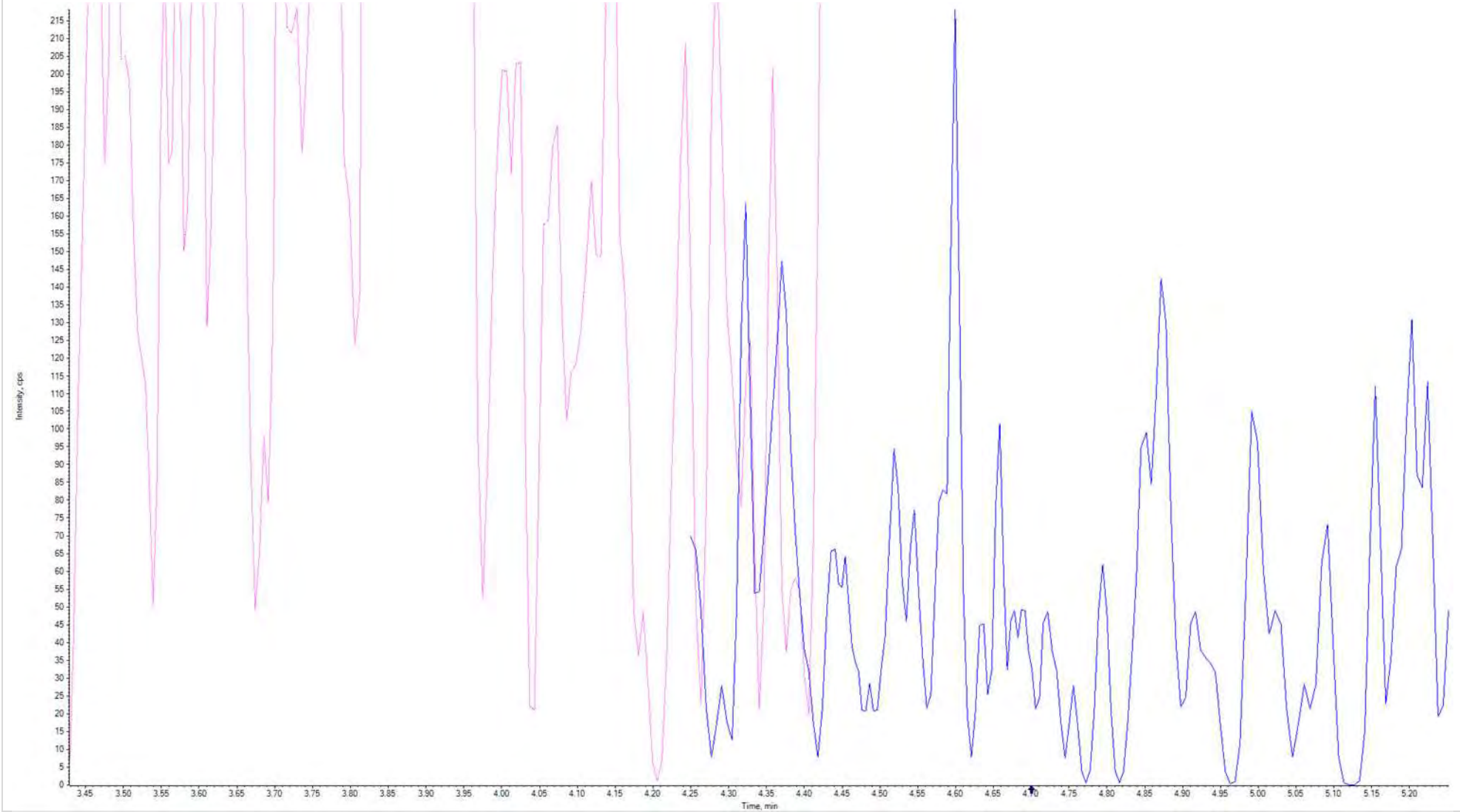
PFDS
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



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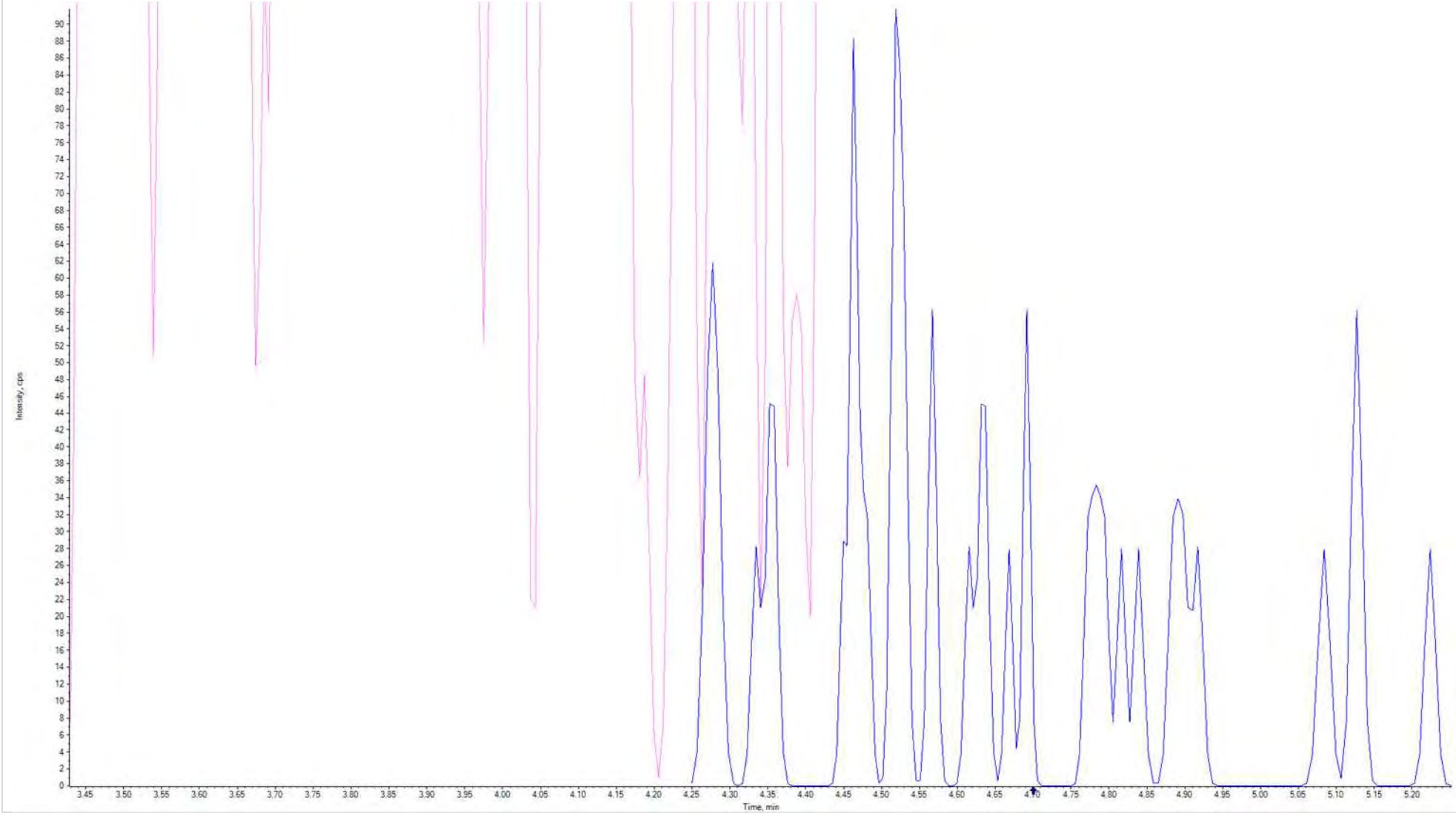
PFDS_2
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



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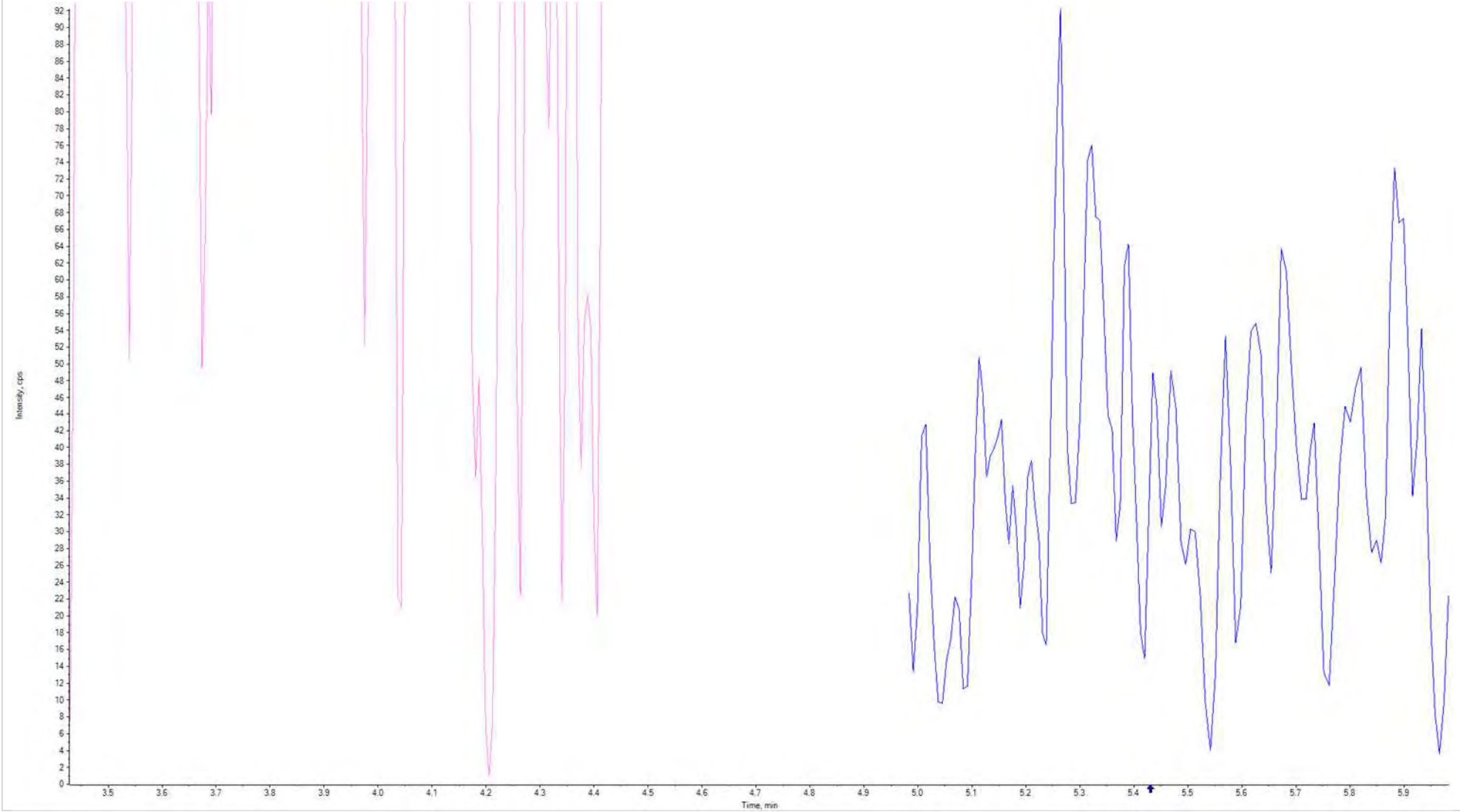
PFDoS
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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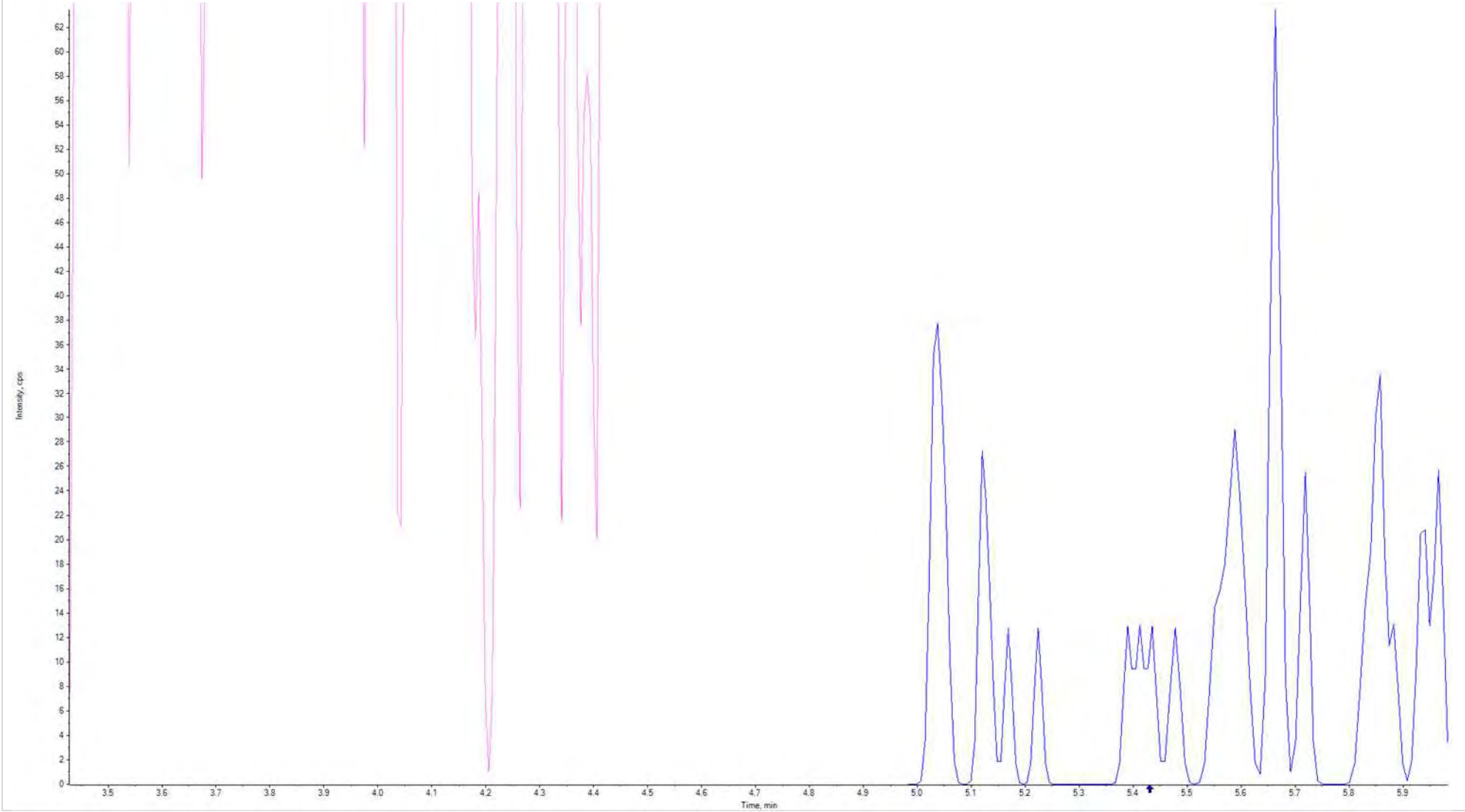
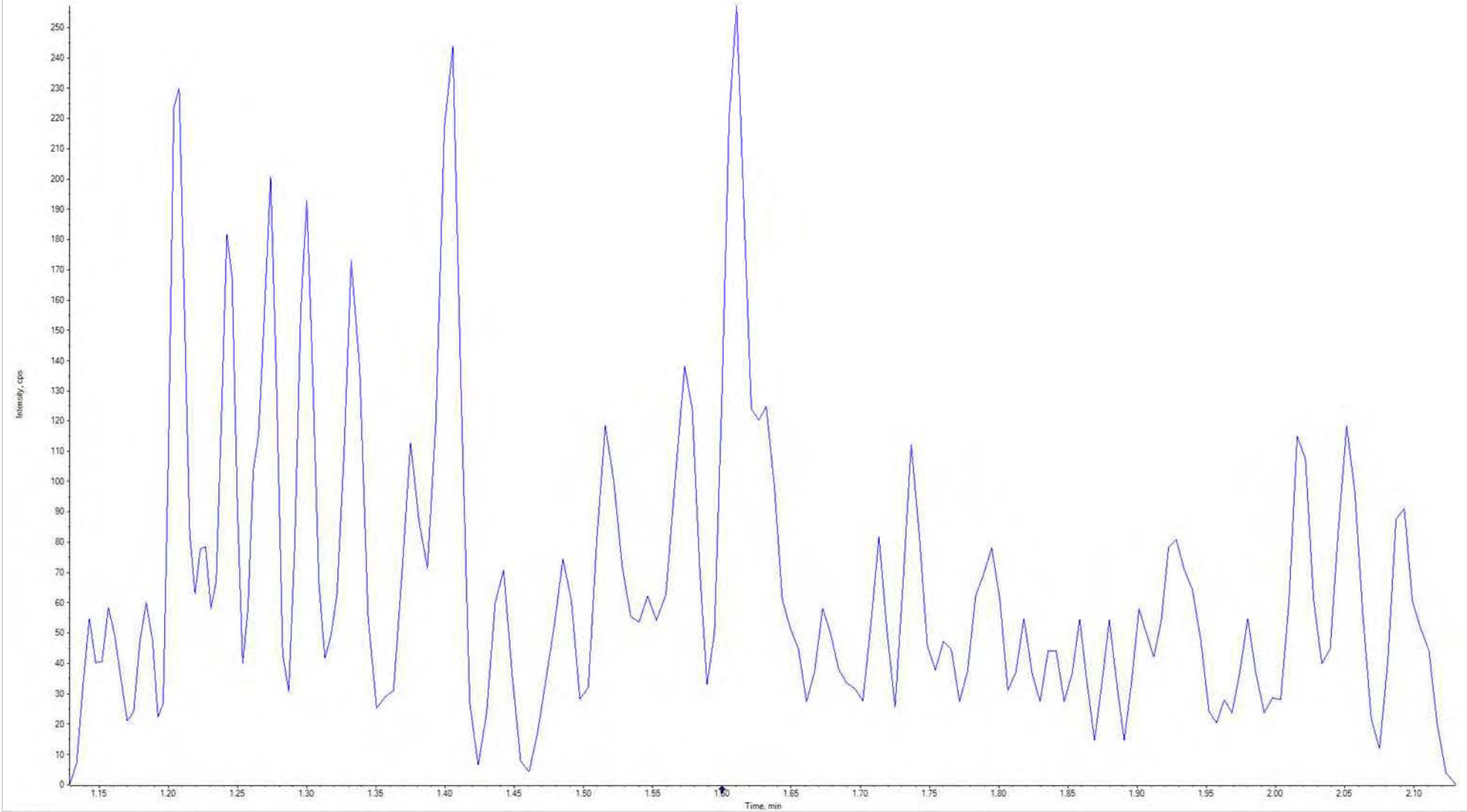
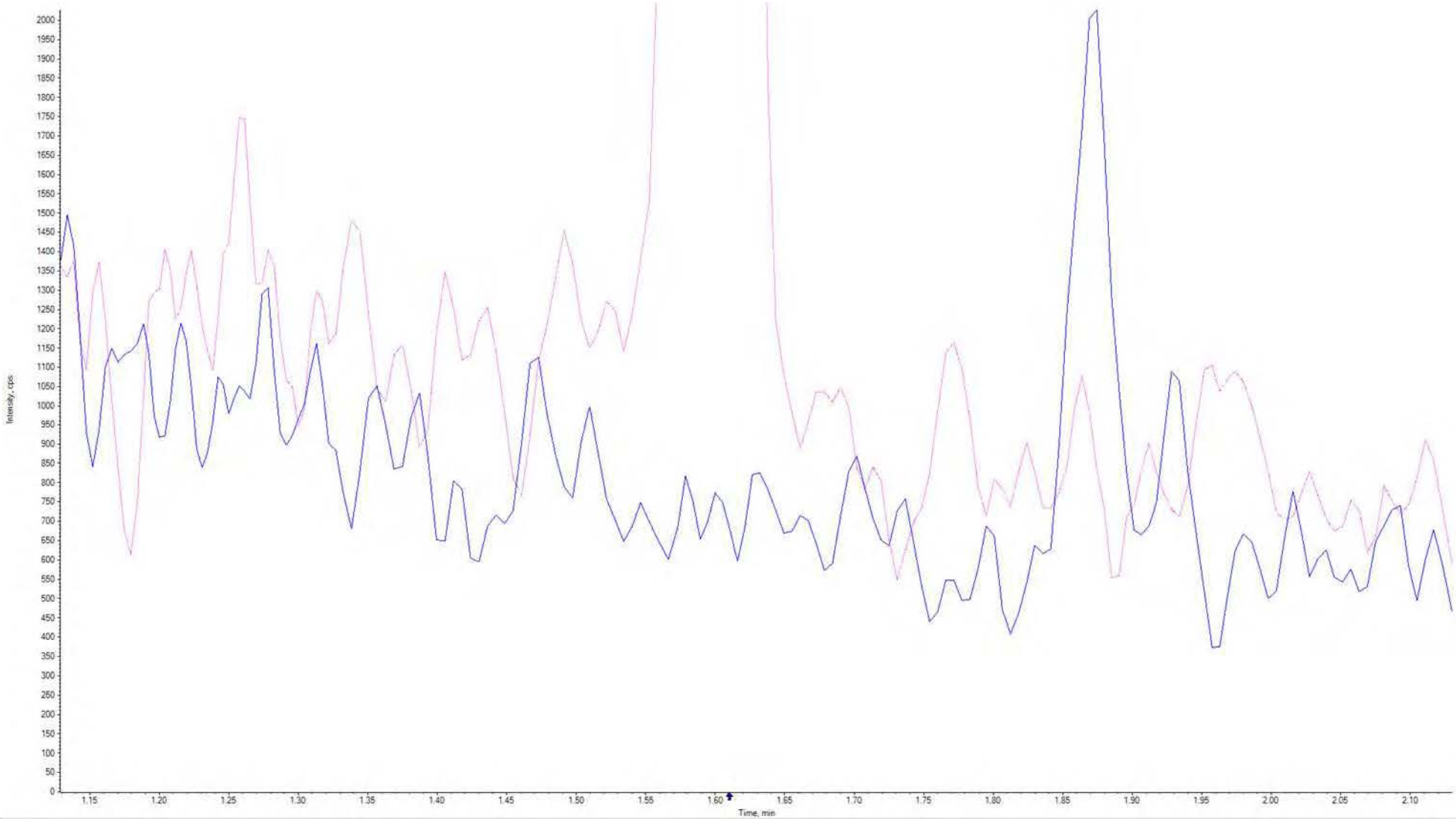
PFDoS_2
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



4:2FTS
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



4:2FTS_2
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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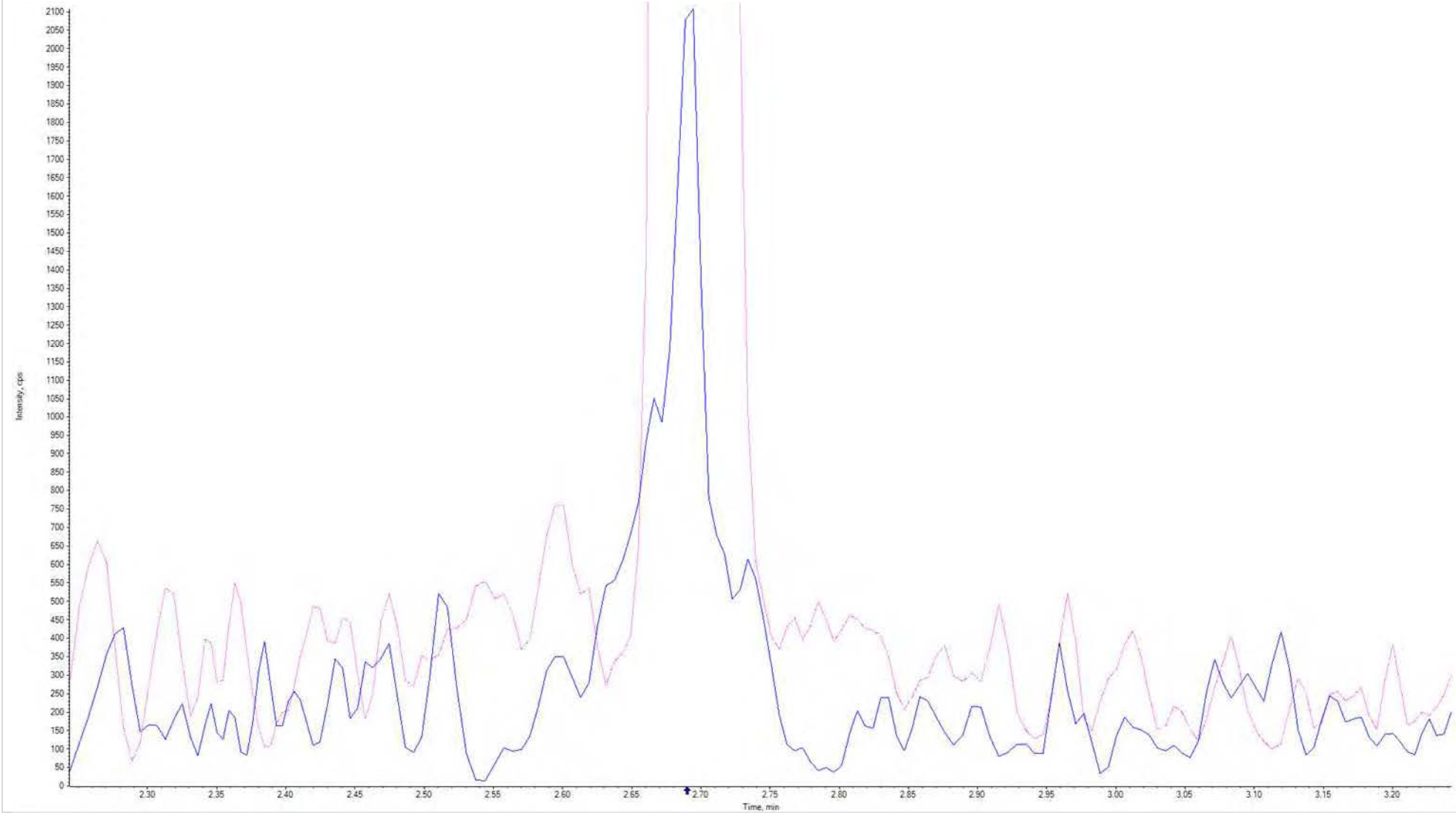
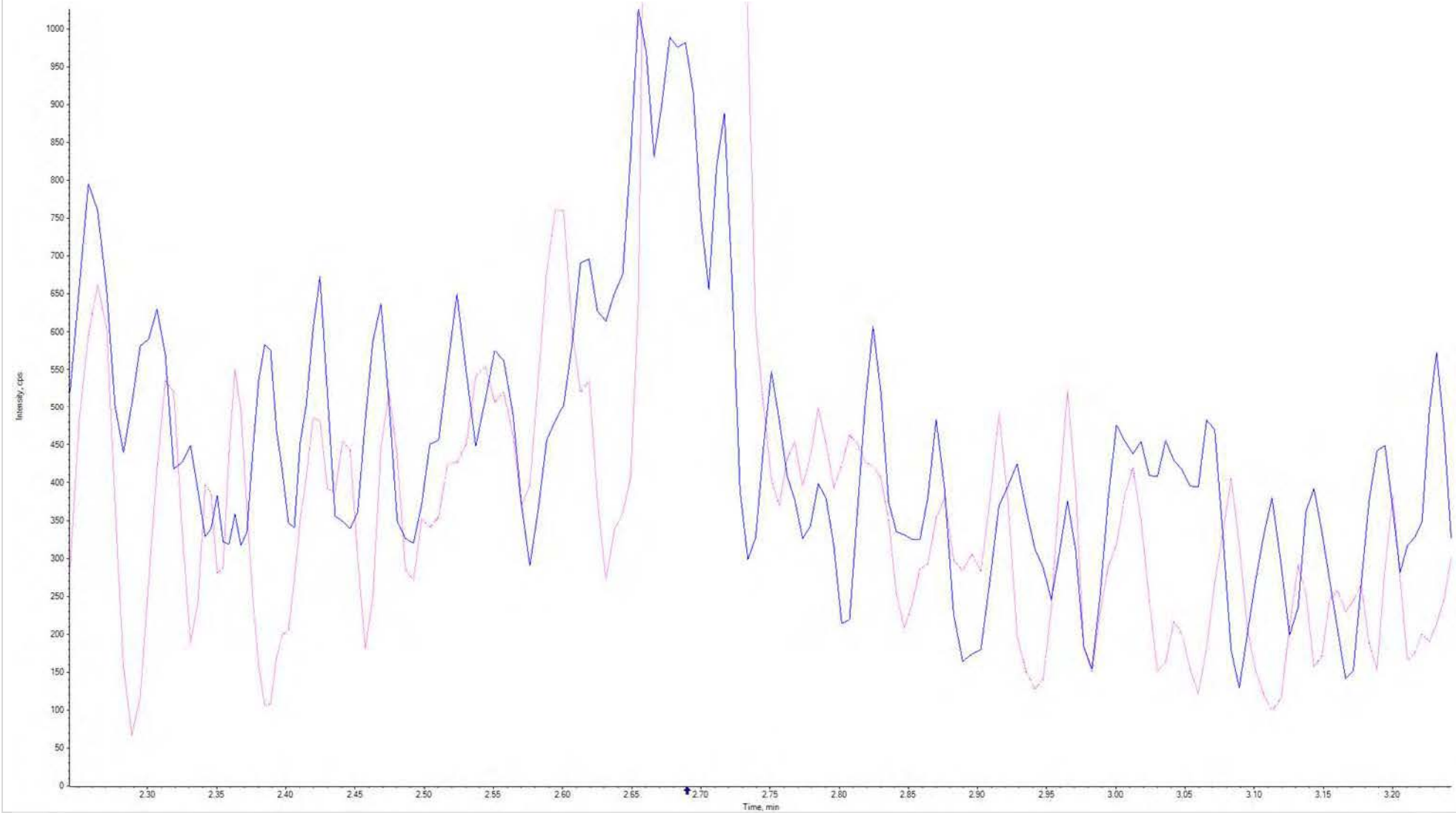
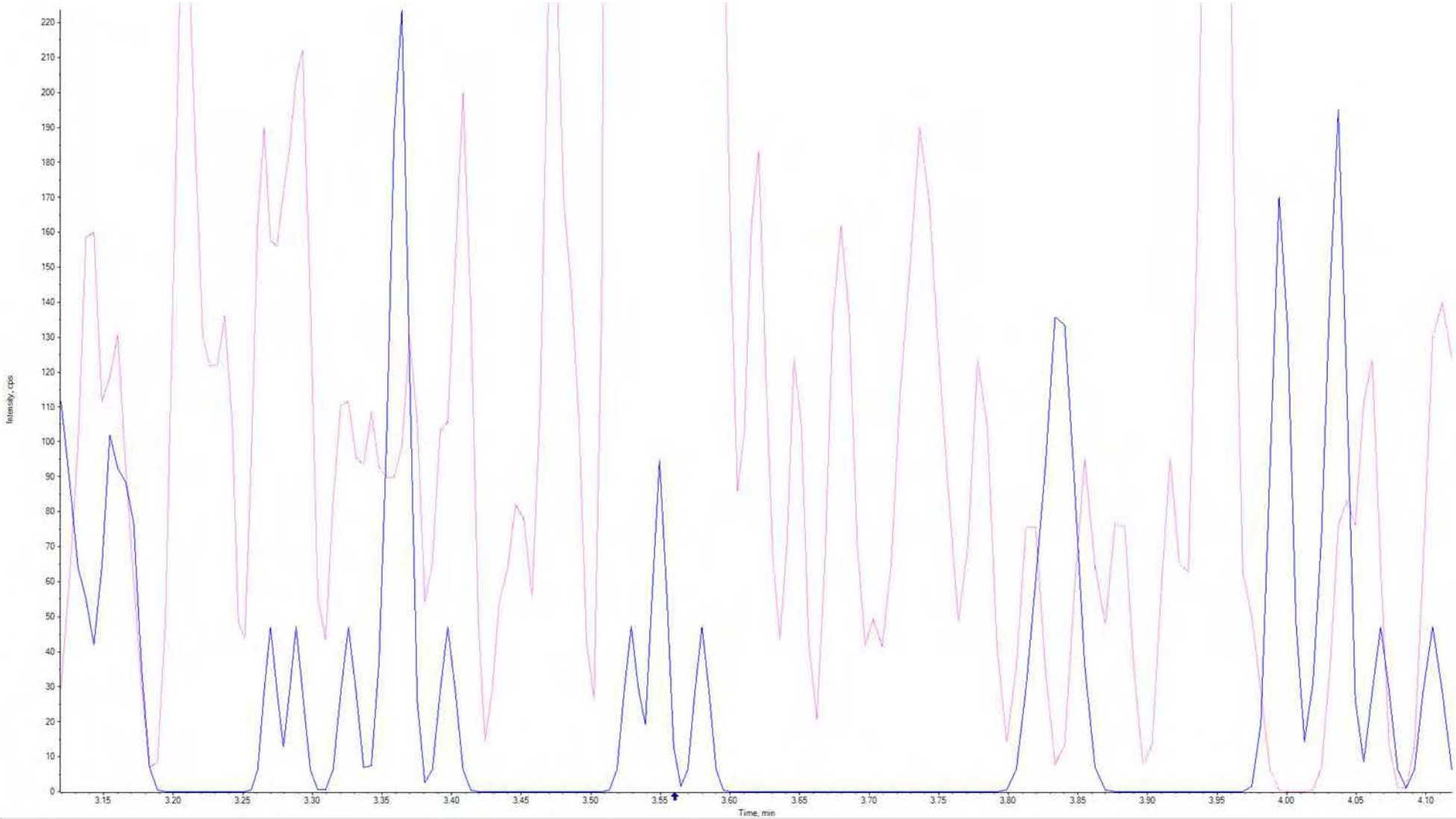
6:2FTS
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



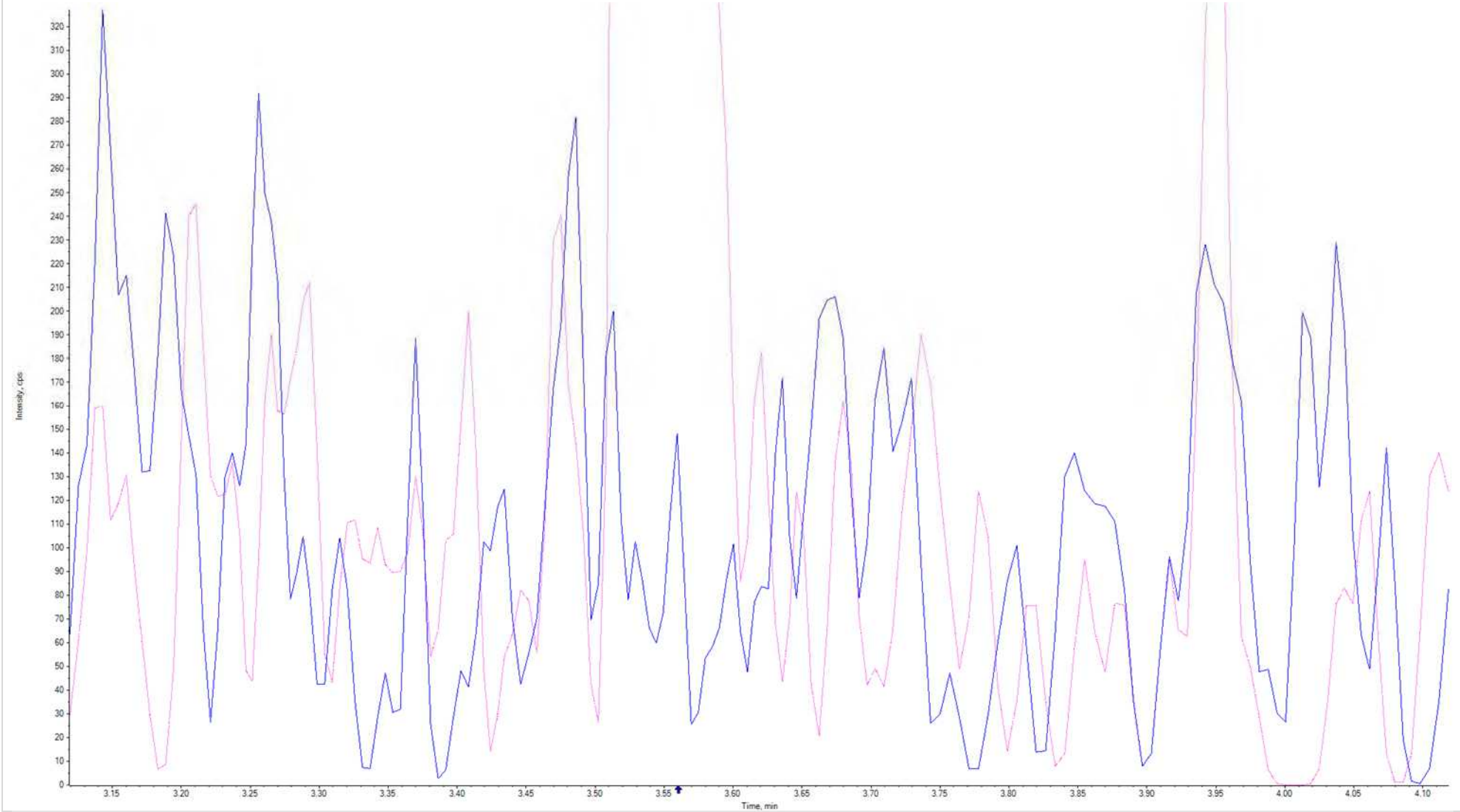
6:2FTS_2
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



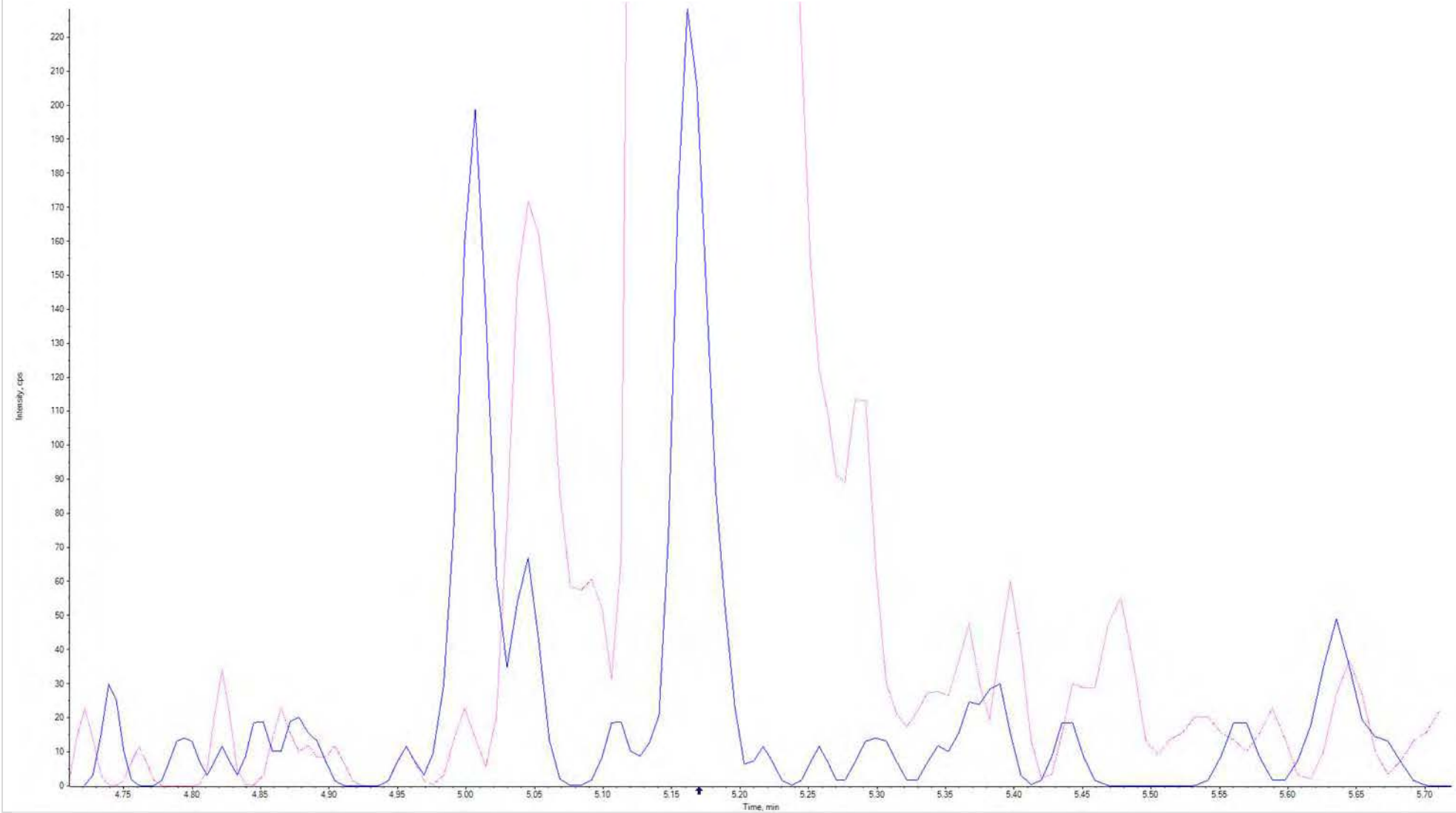
8:2FTS
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



8:2FTS_2
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



PFOSA
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



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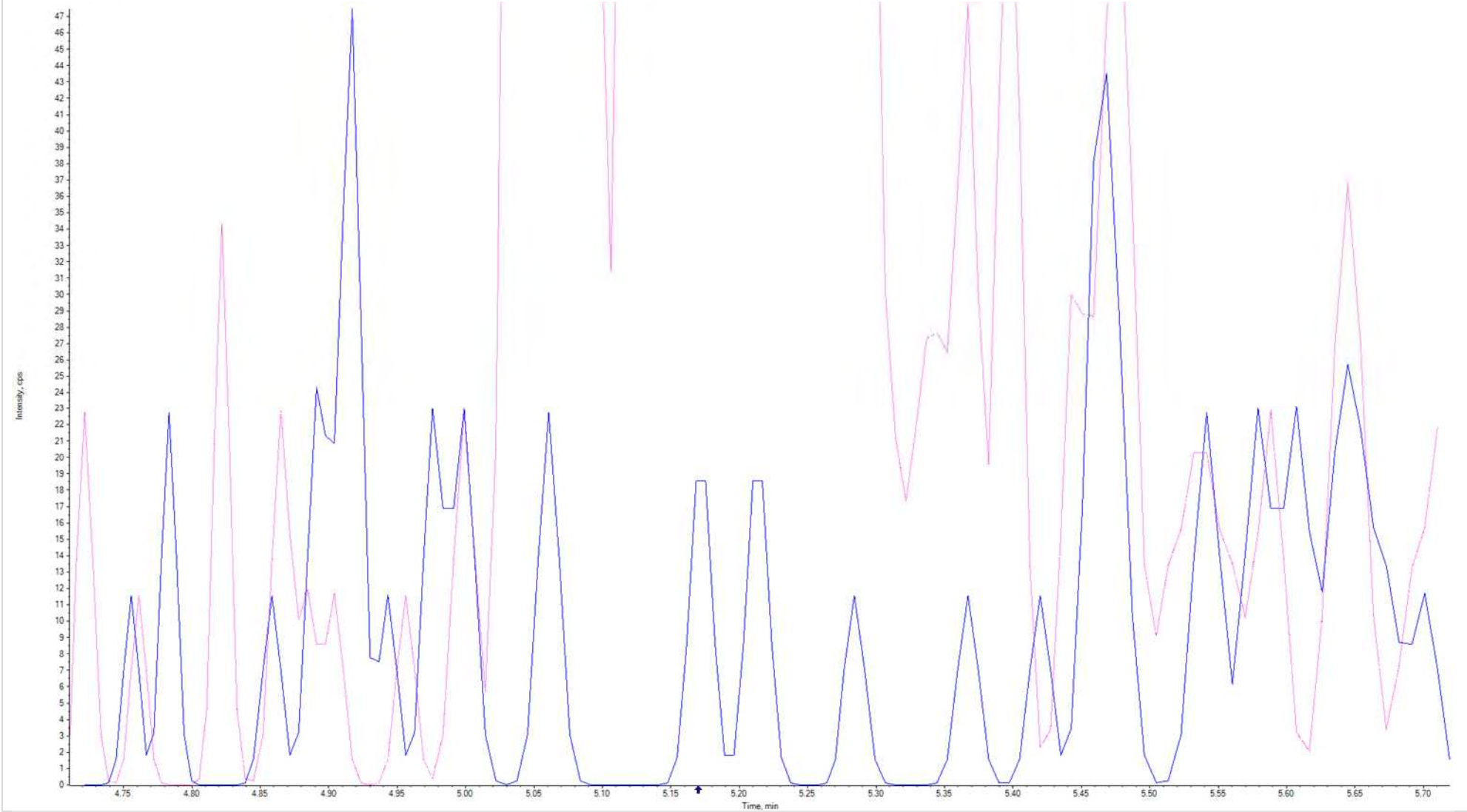
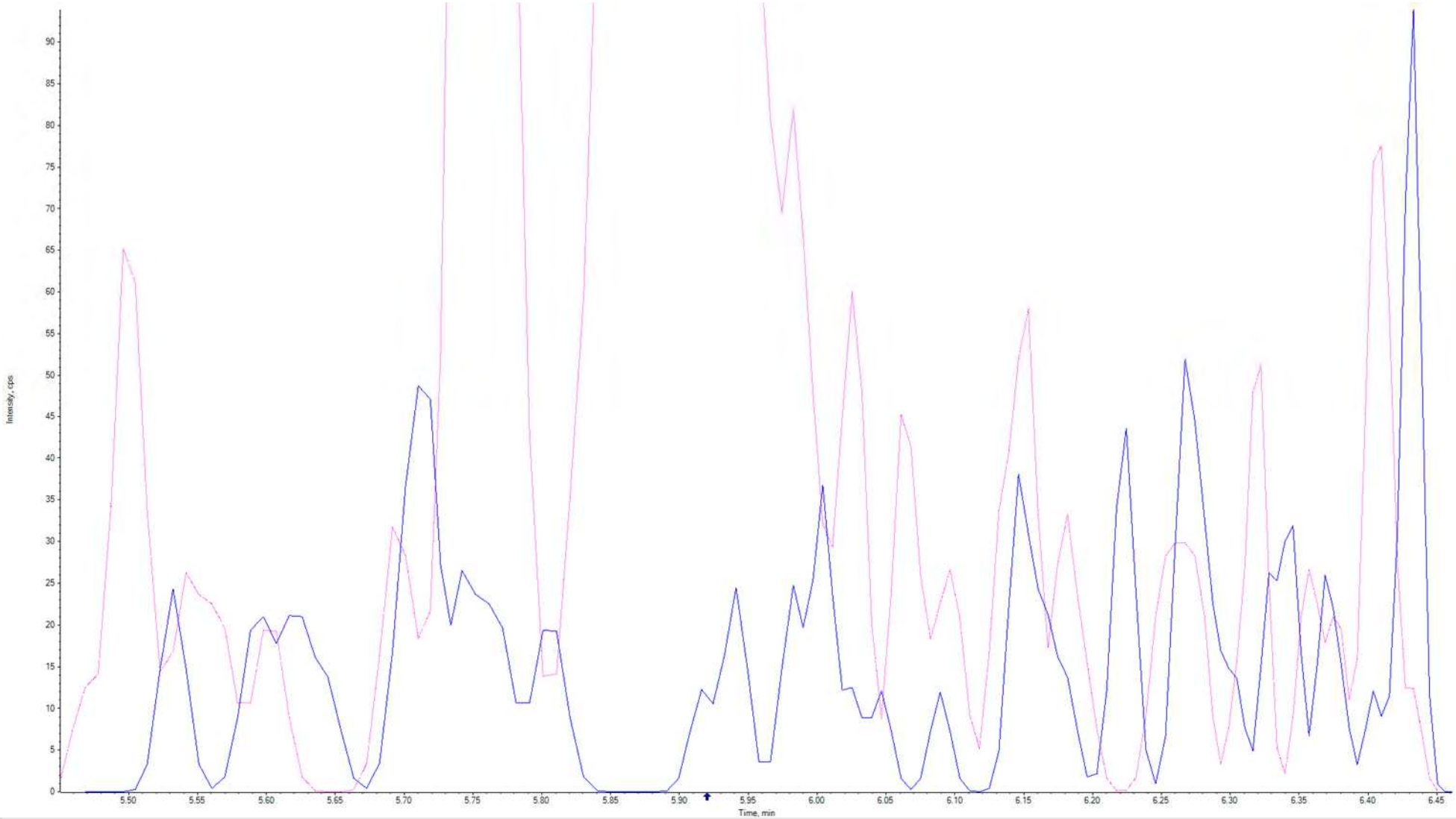
PFOSA_2
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



NMeFOSA
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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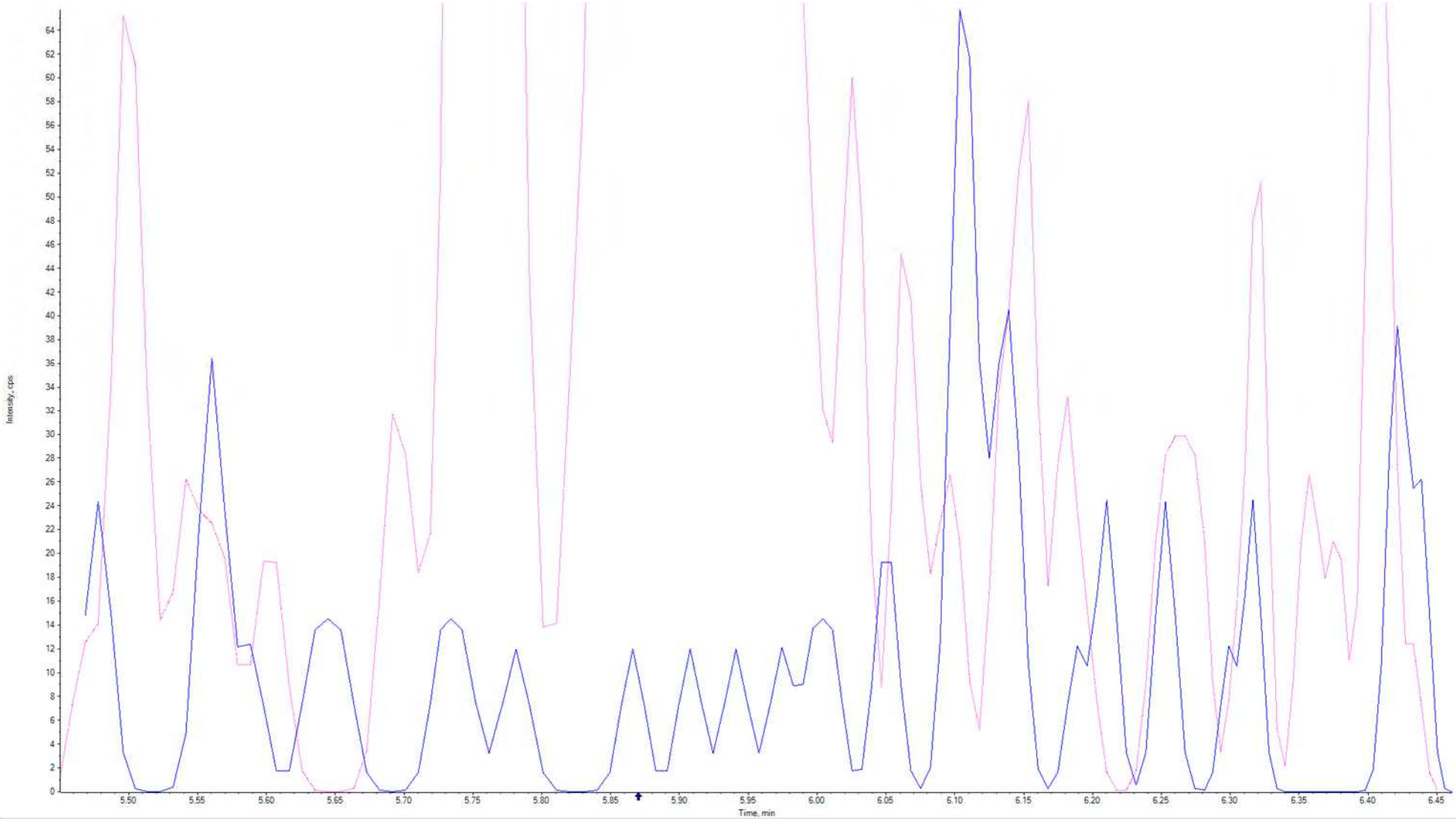
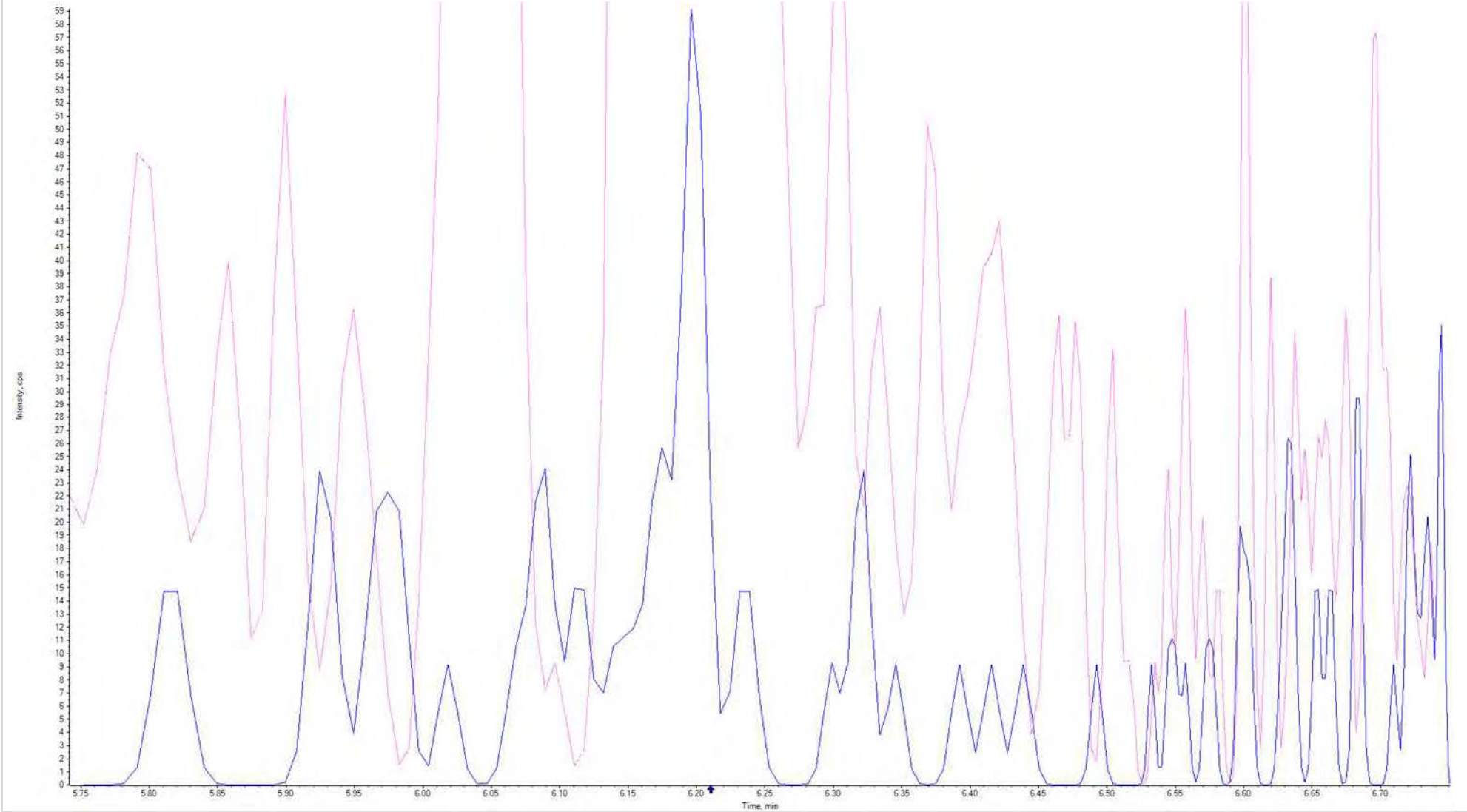
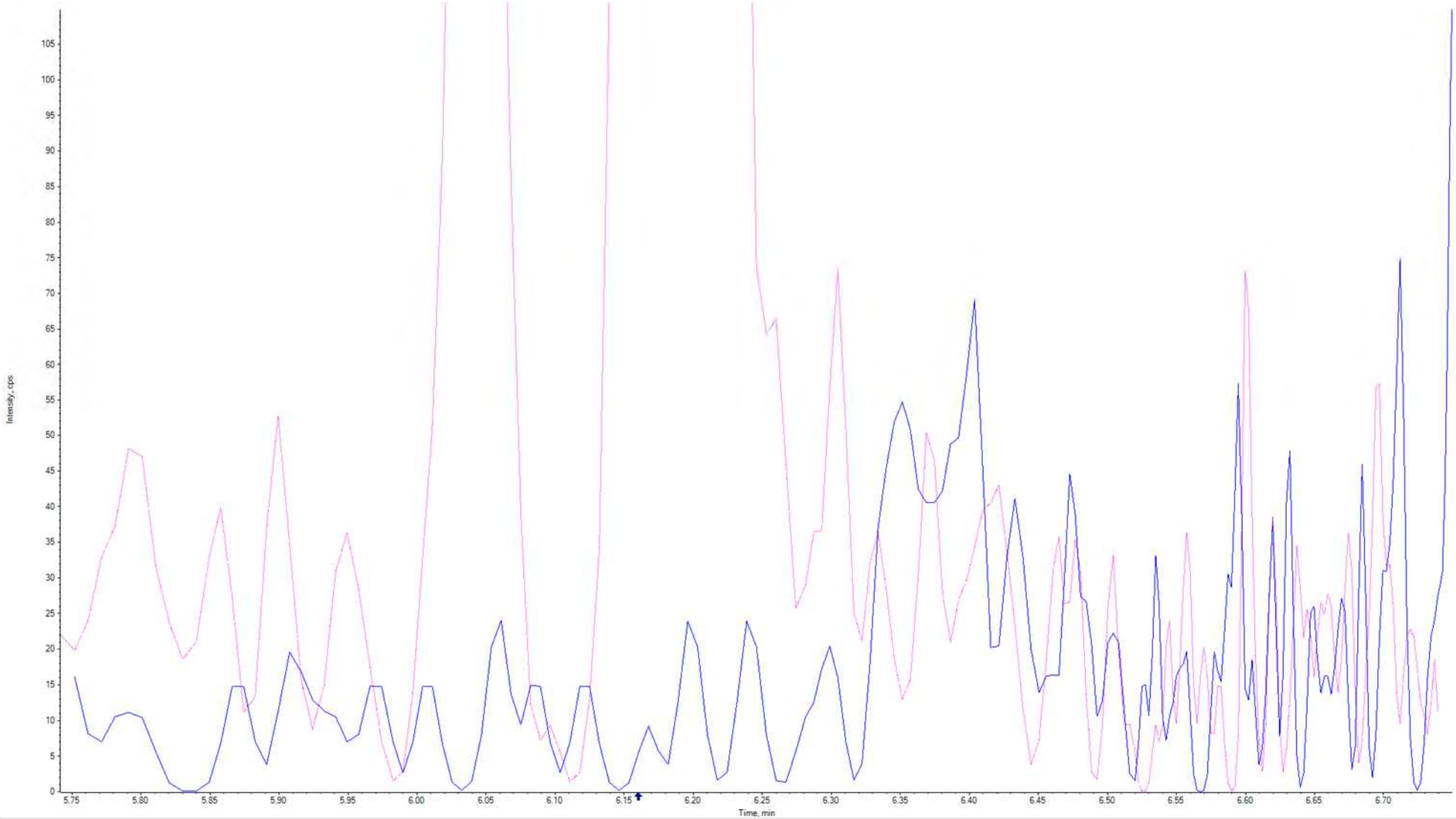
NMeFOSA_2
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



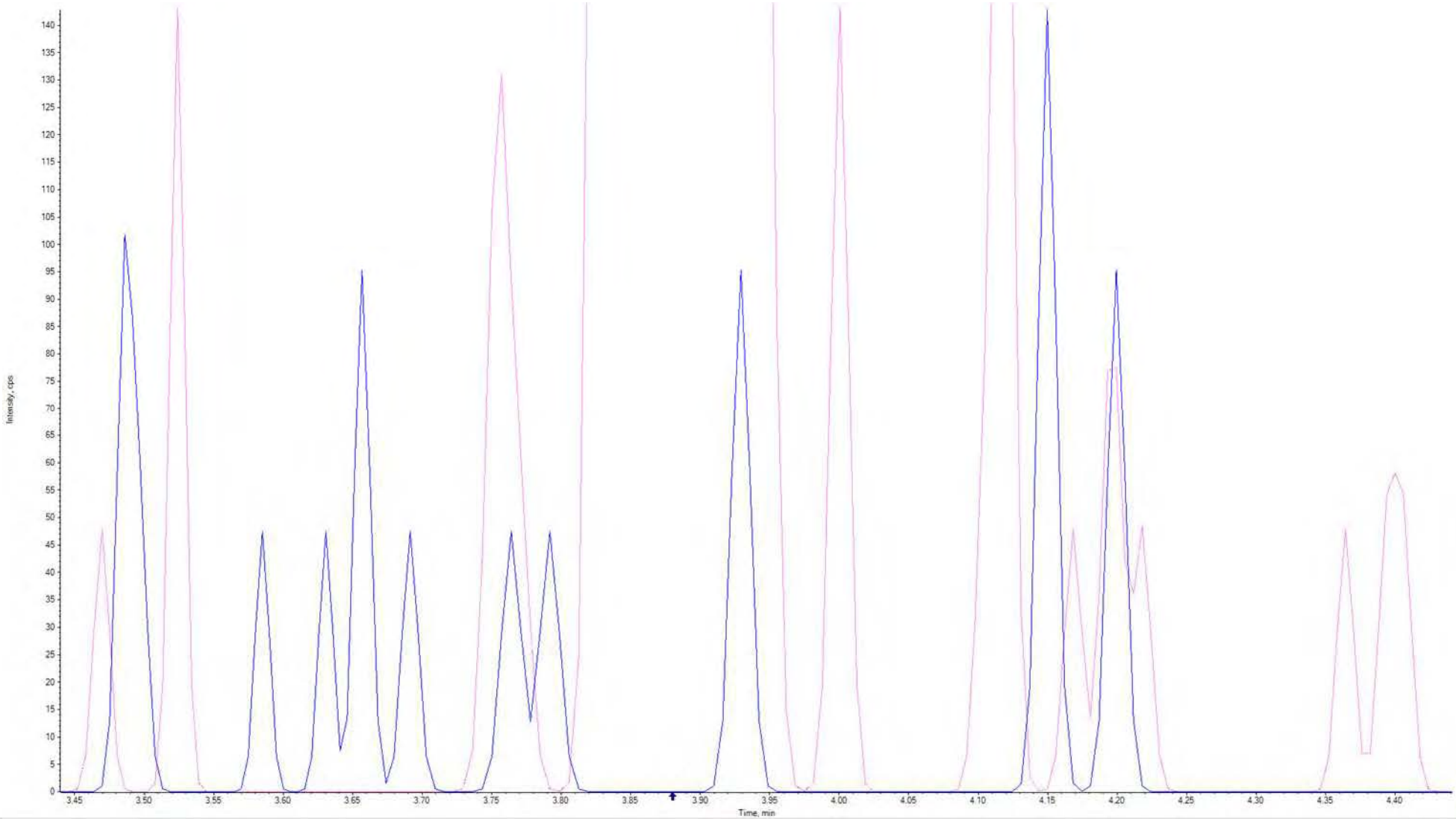
NEtFOSA
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



NEtFOSA_2
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



NMeFOSAA
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



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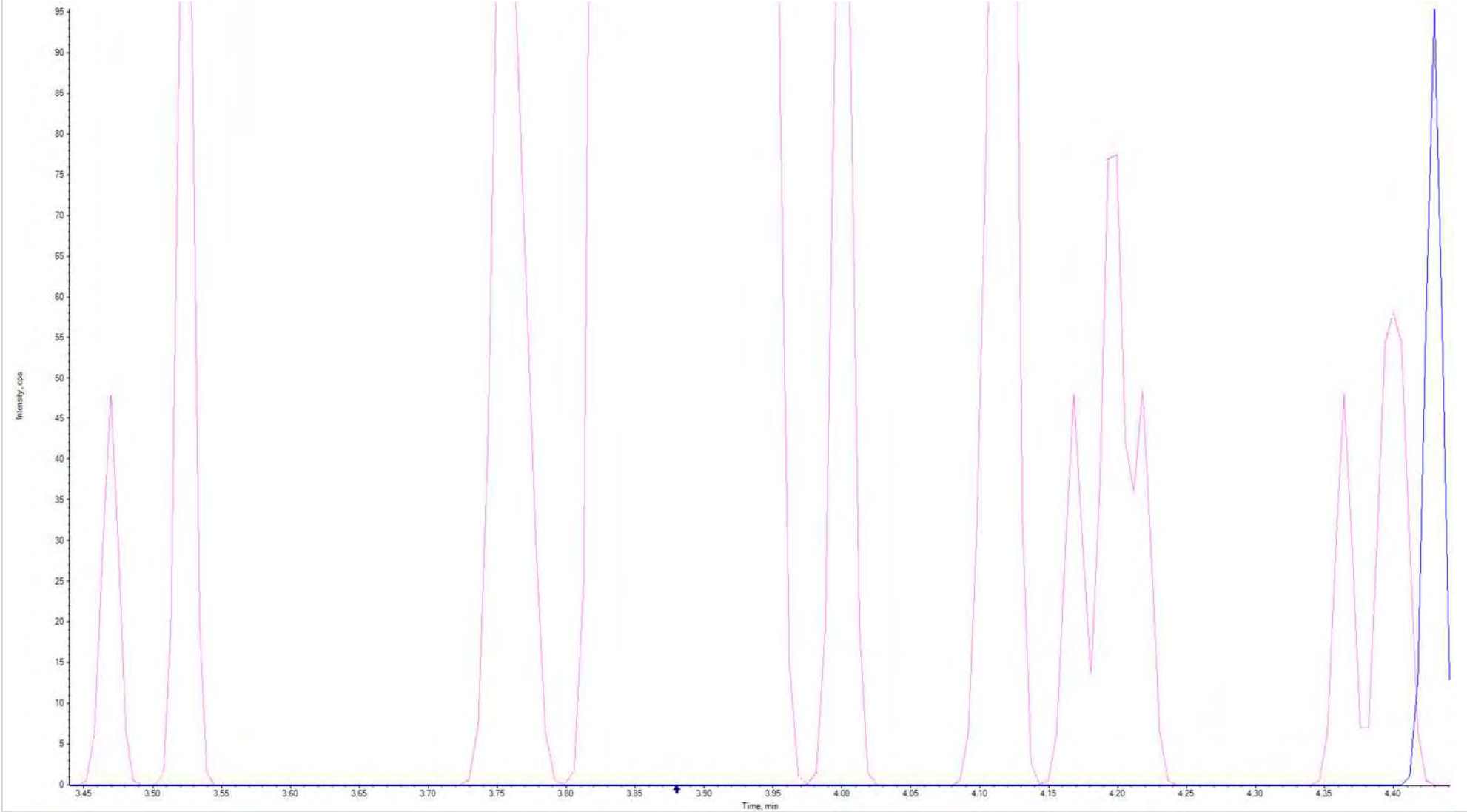
NMeFOSAA_2
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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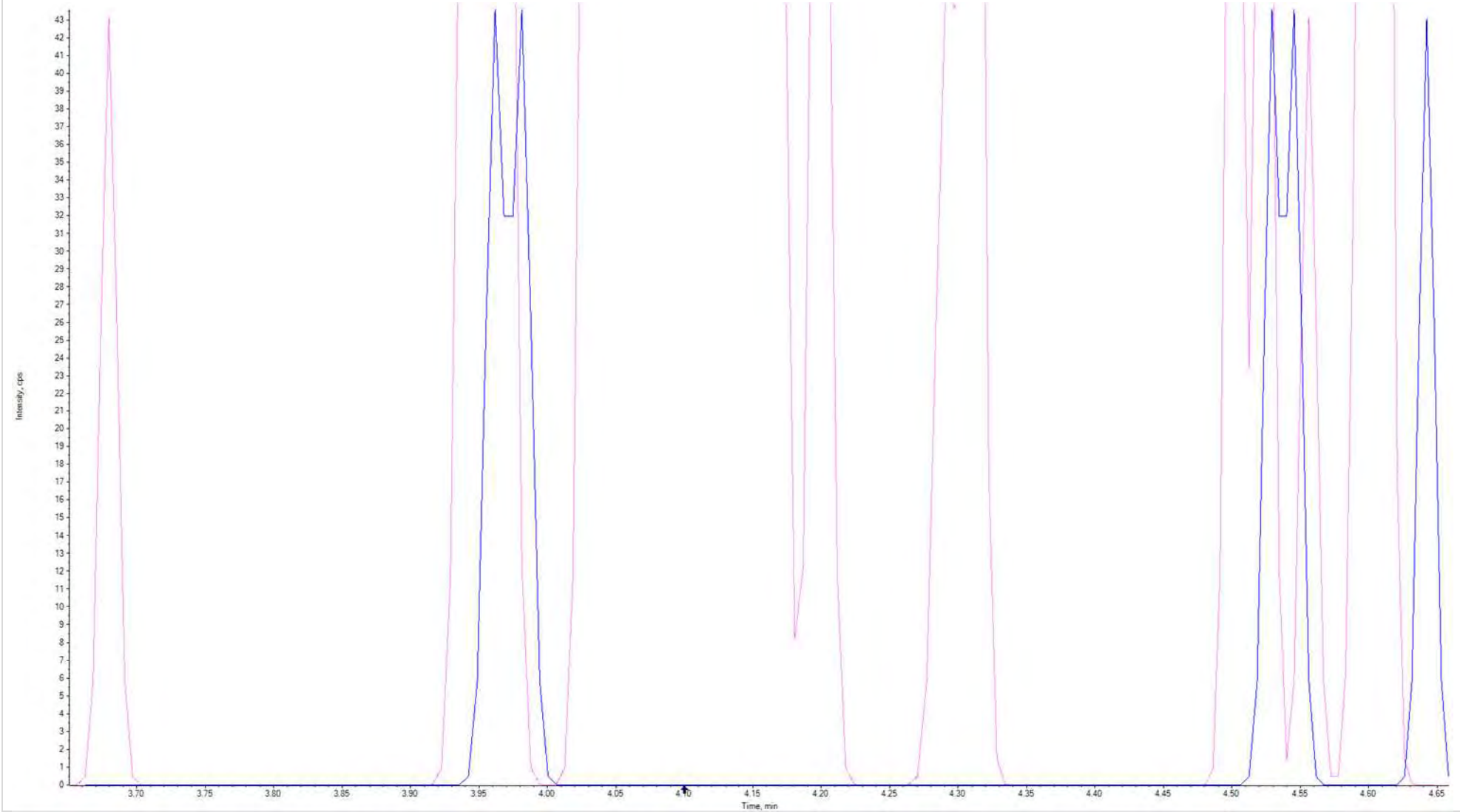
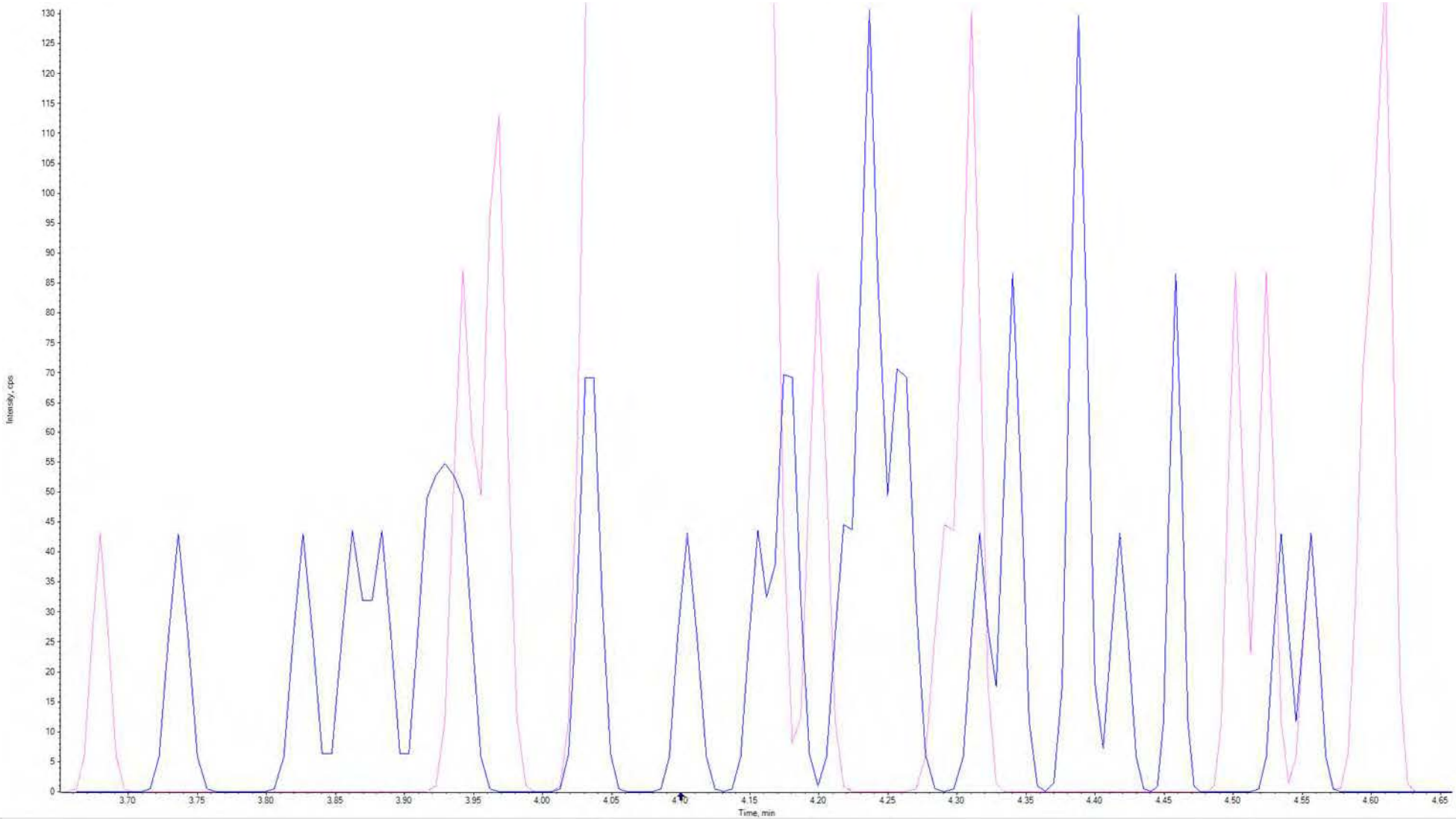
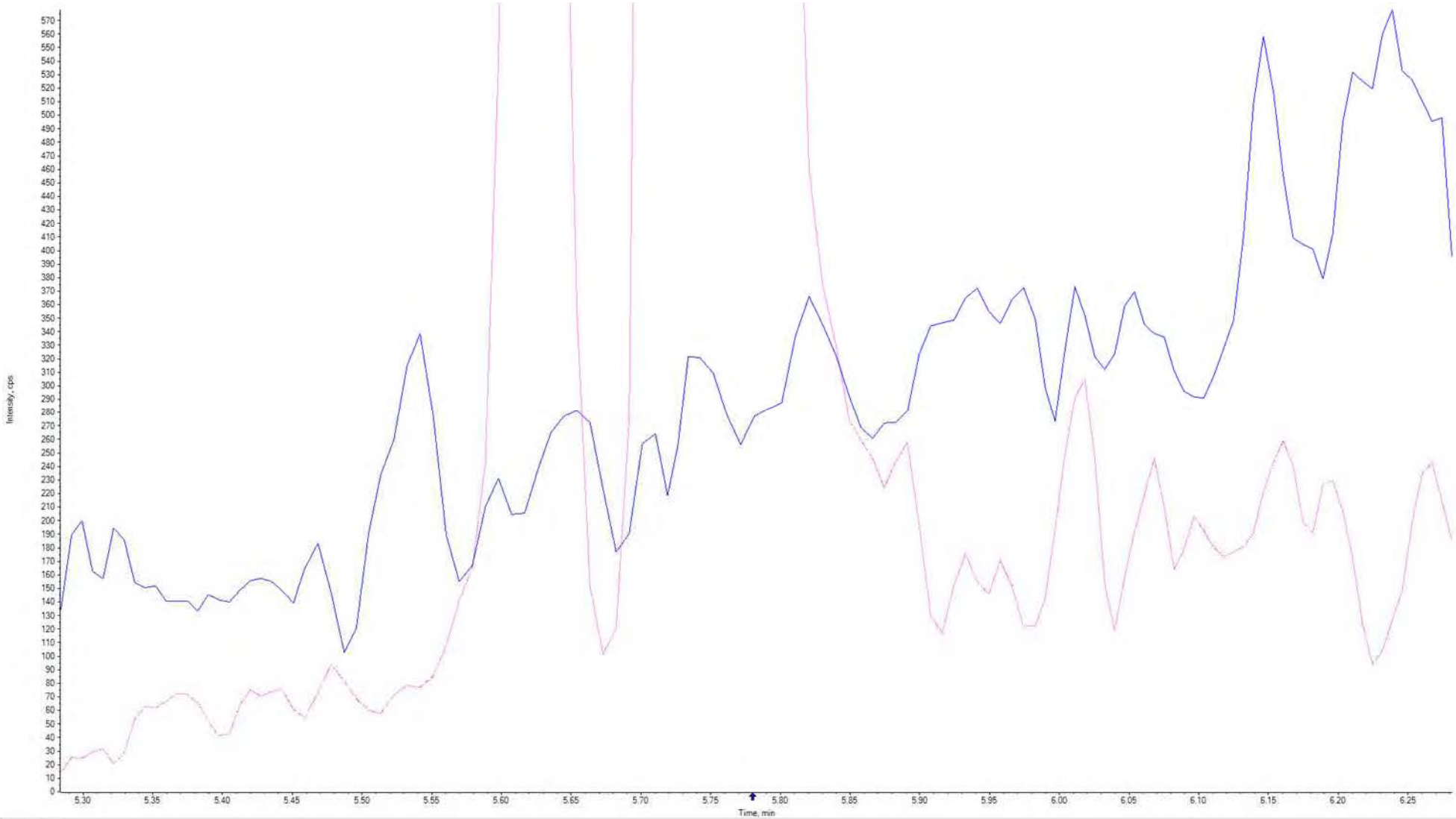
NEtFOSAA
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



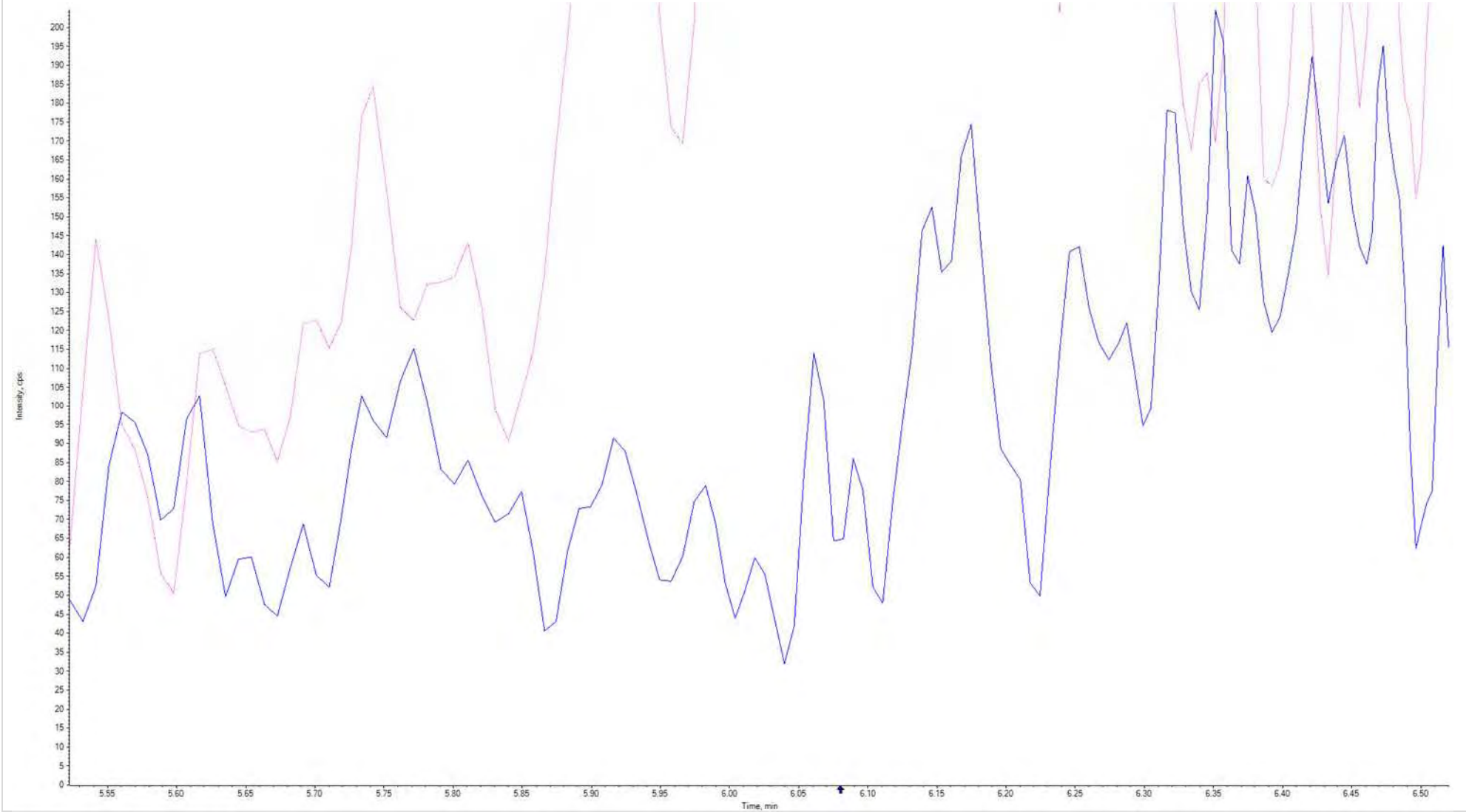
NEtFOSAA_2
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



NMeFOSE
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



NEtFOSE
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



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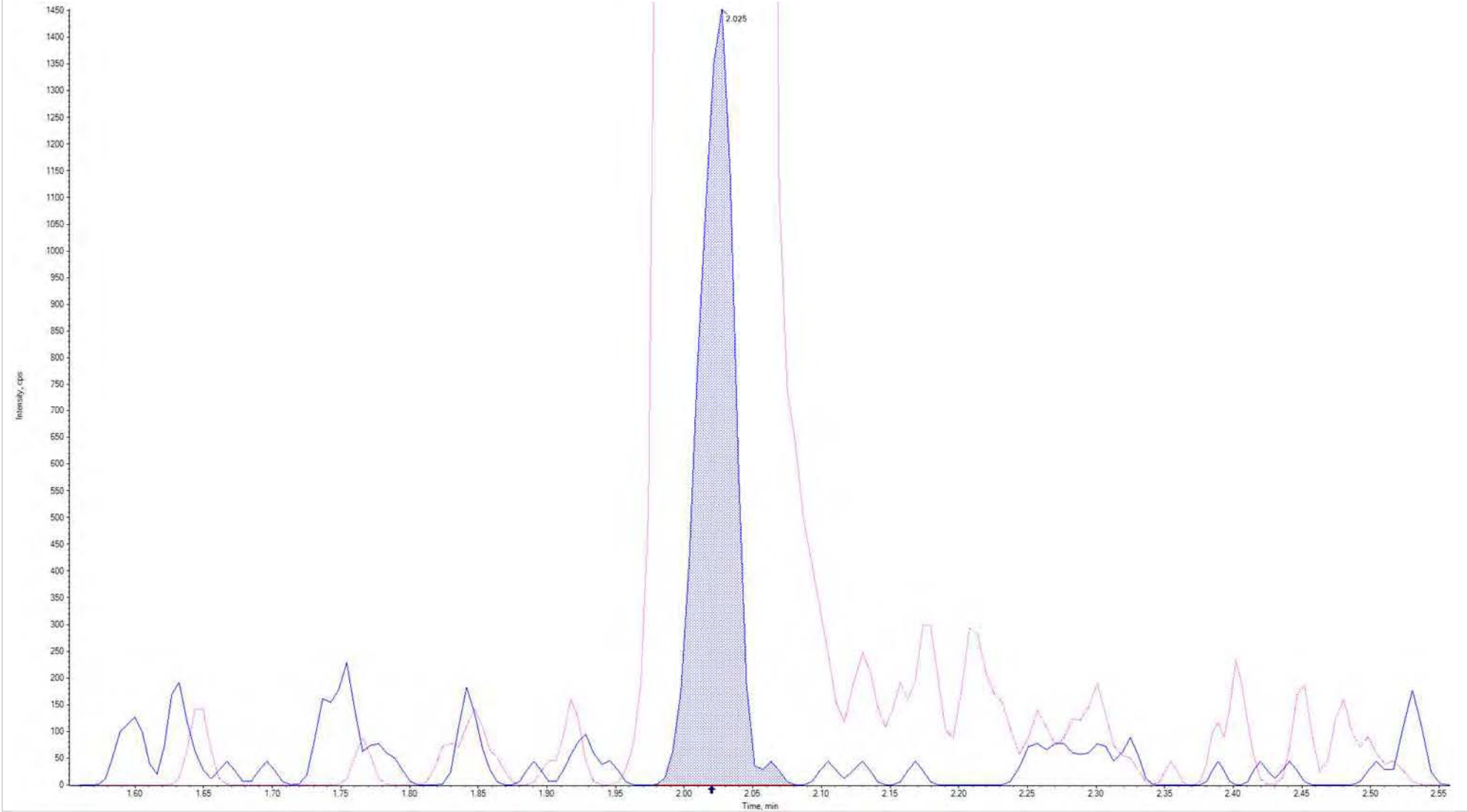
HFPO-DA
Sample: L2467934-09 S/N:32.8 Points Across peak:20



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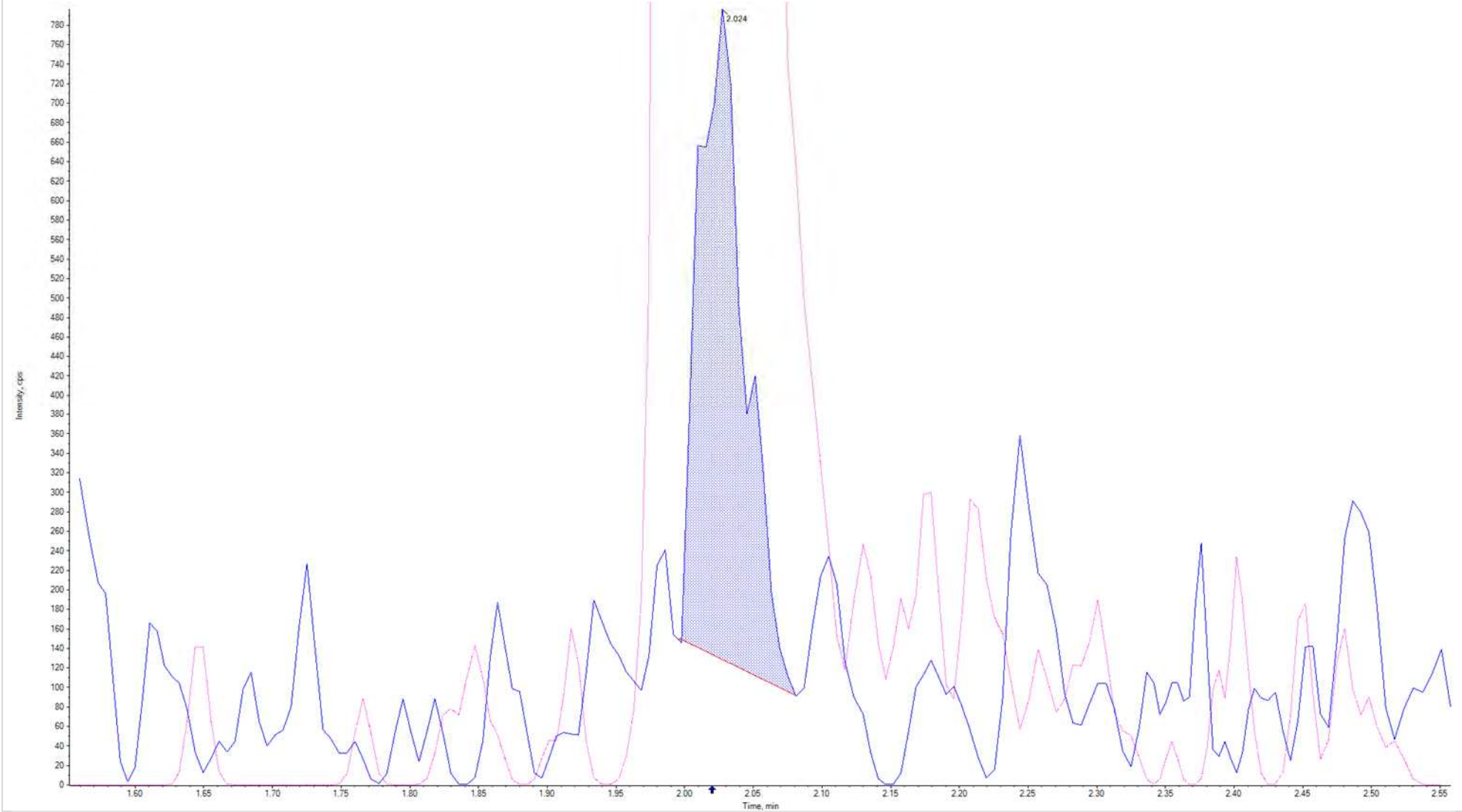
HFPO-DA_2
Sample: L2467934-09 S/N:15.1 Points Across peak:17



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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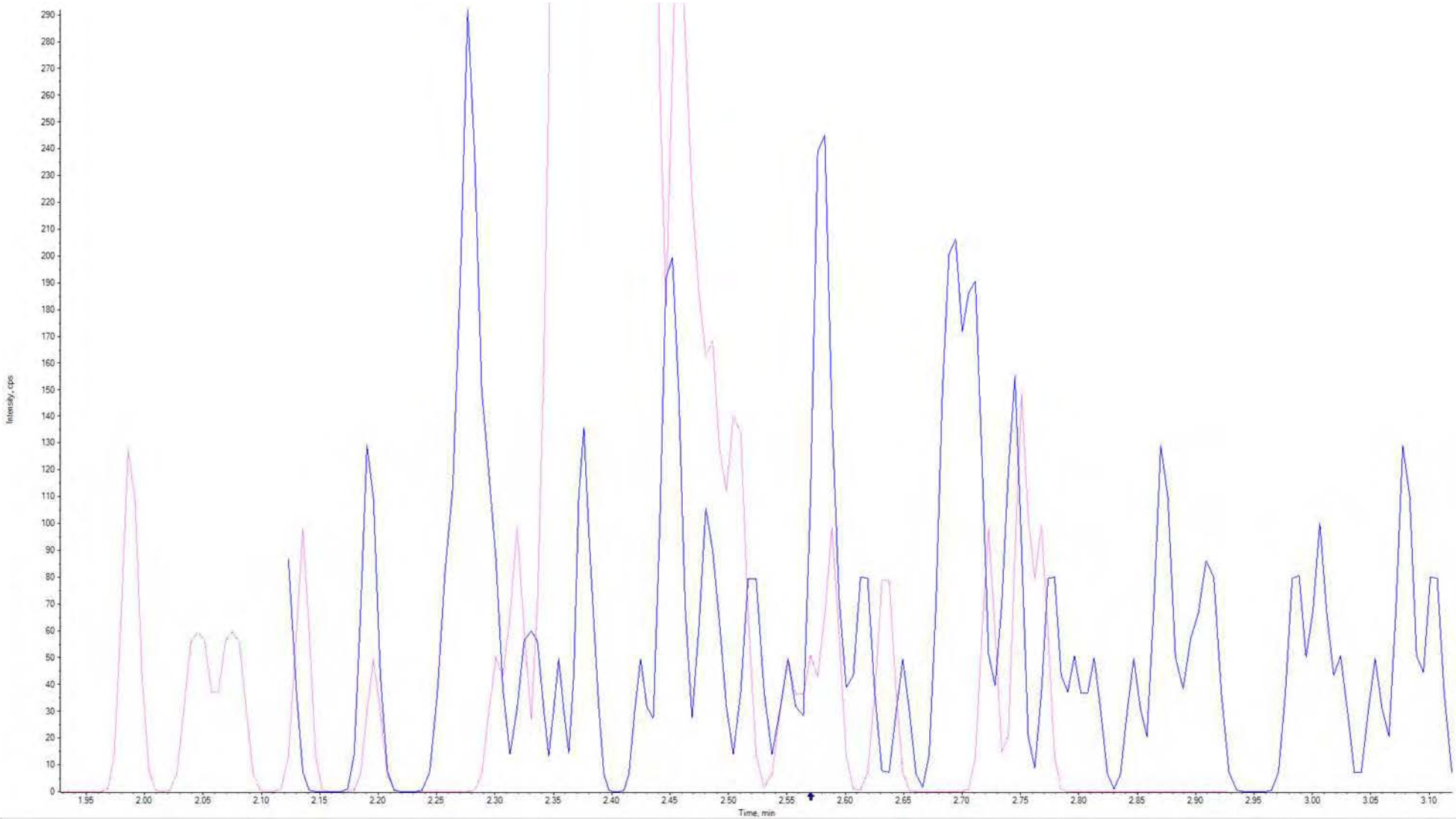
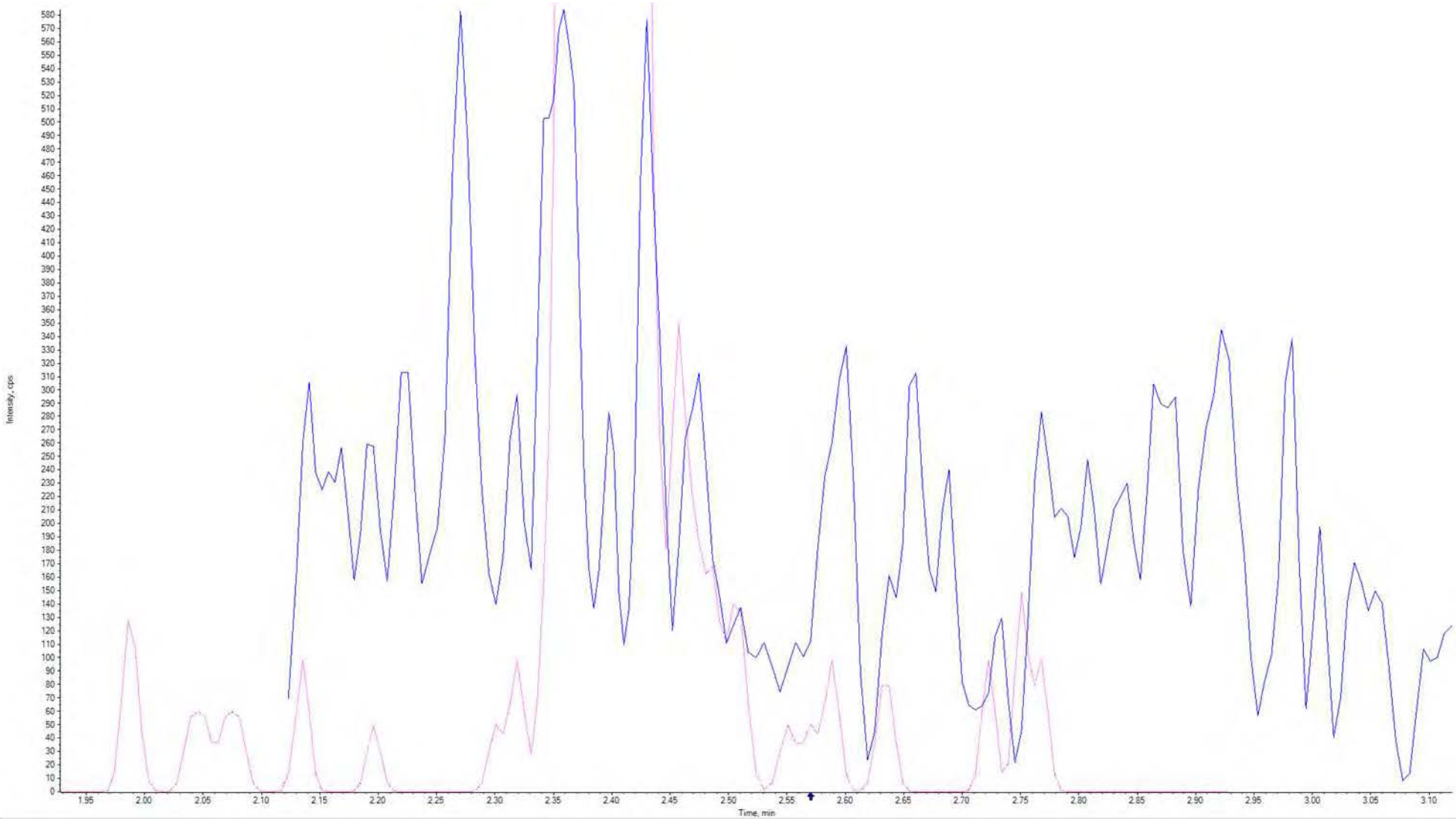
ADONA
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



ADONA_2
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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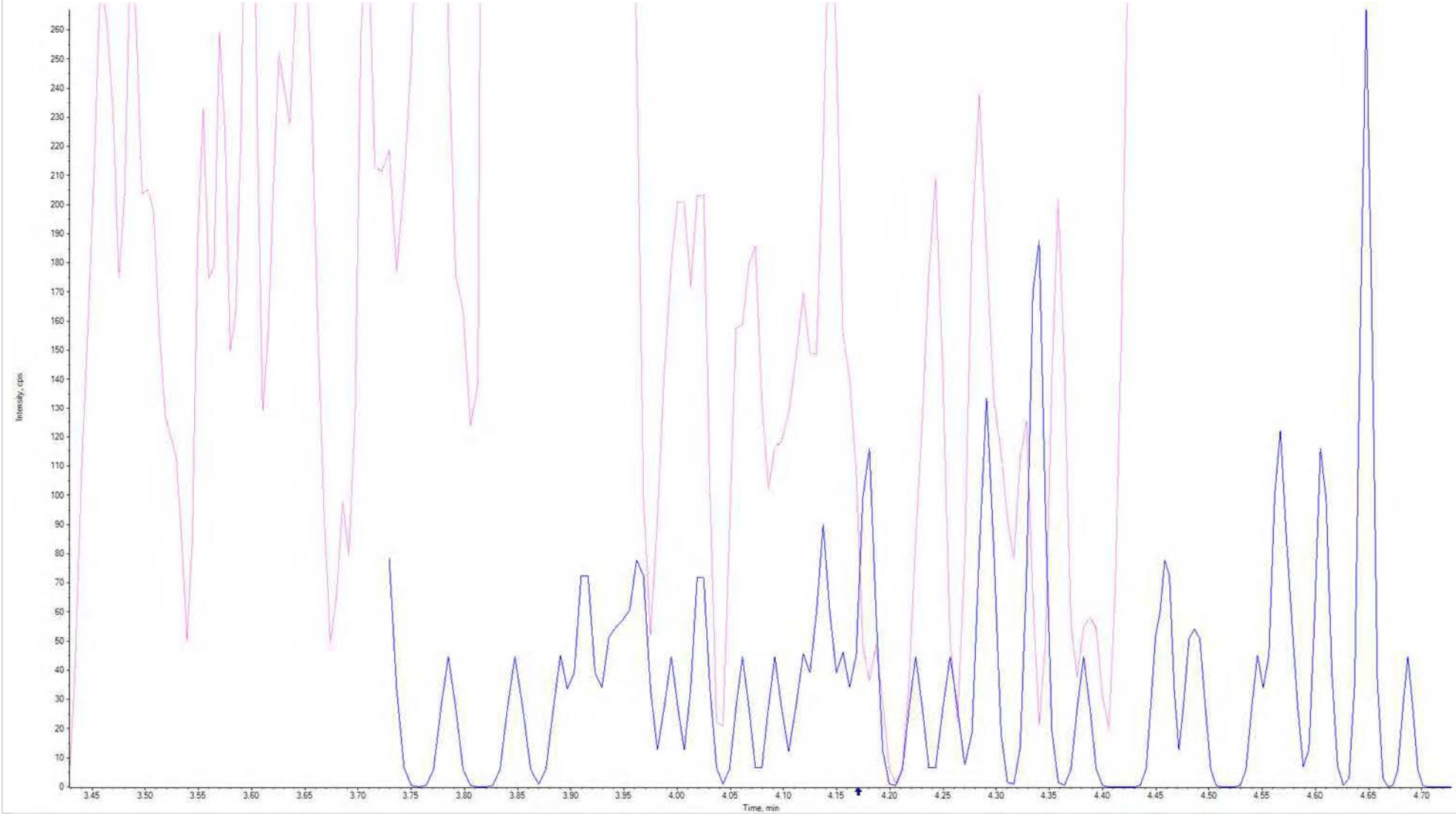
9Cl-PF3ONS
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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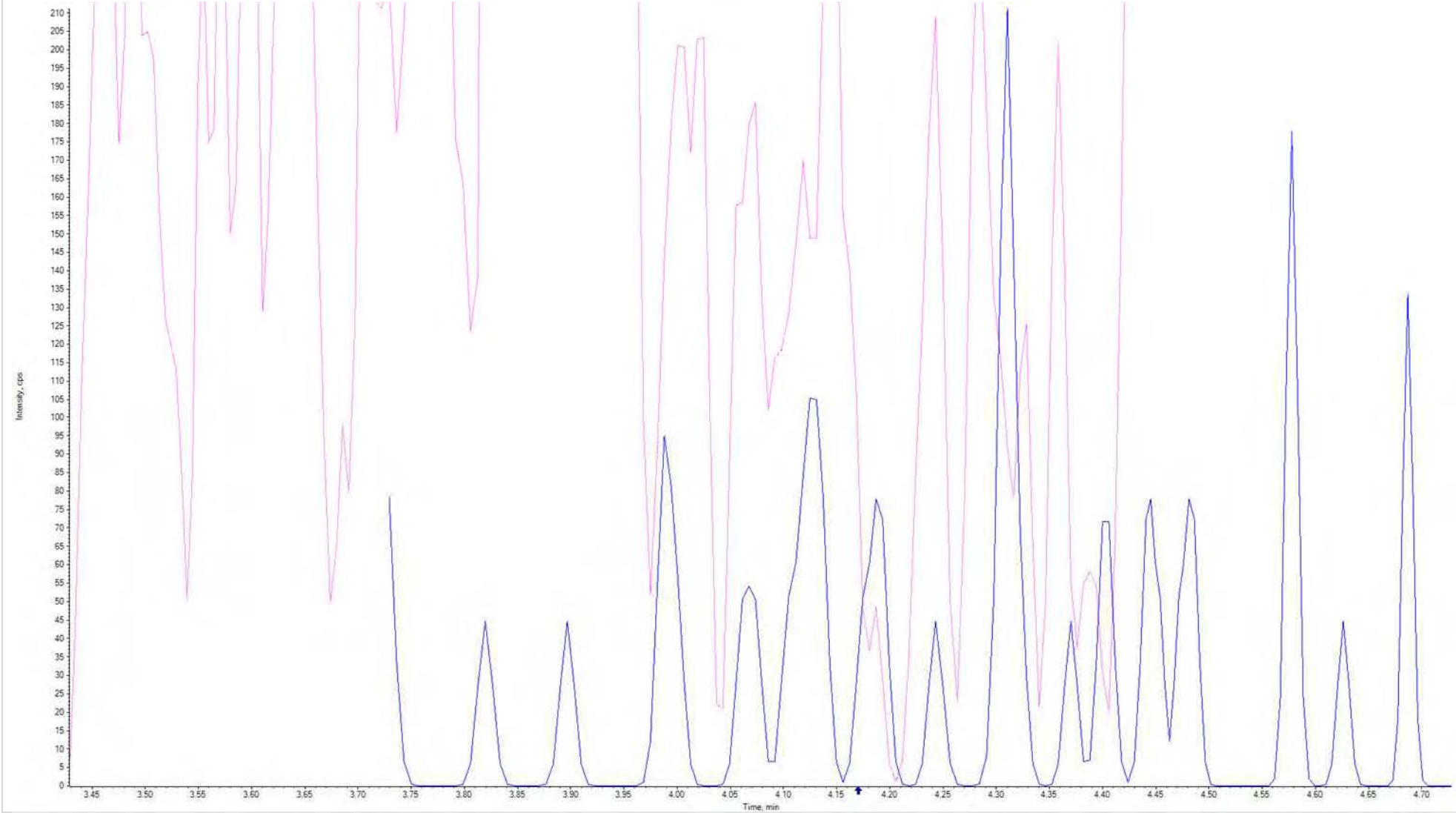
9Cl-PF3ONS_2
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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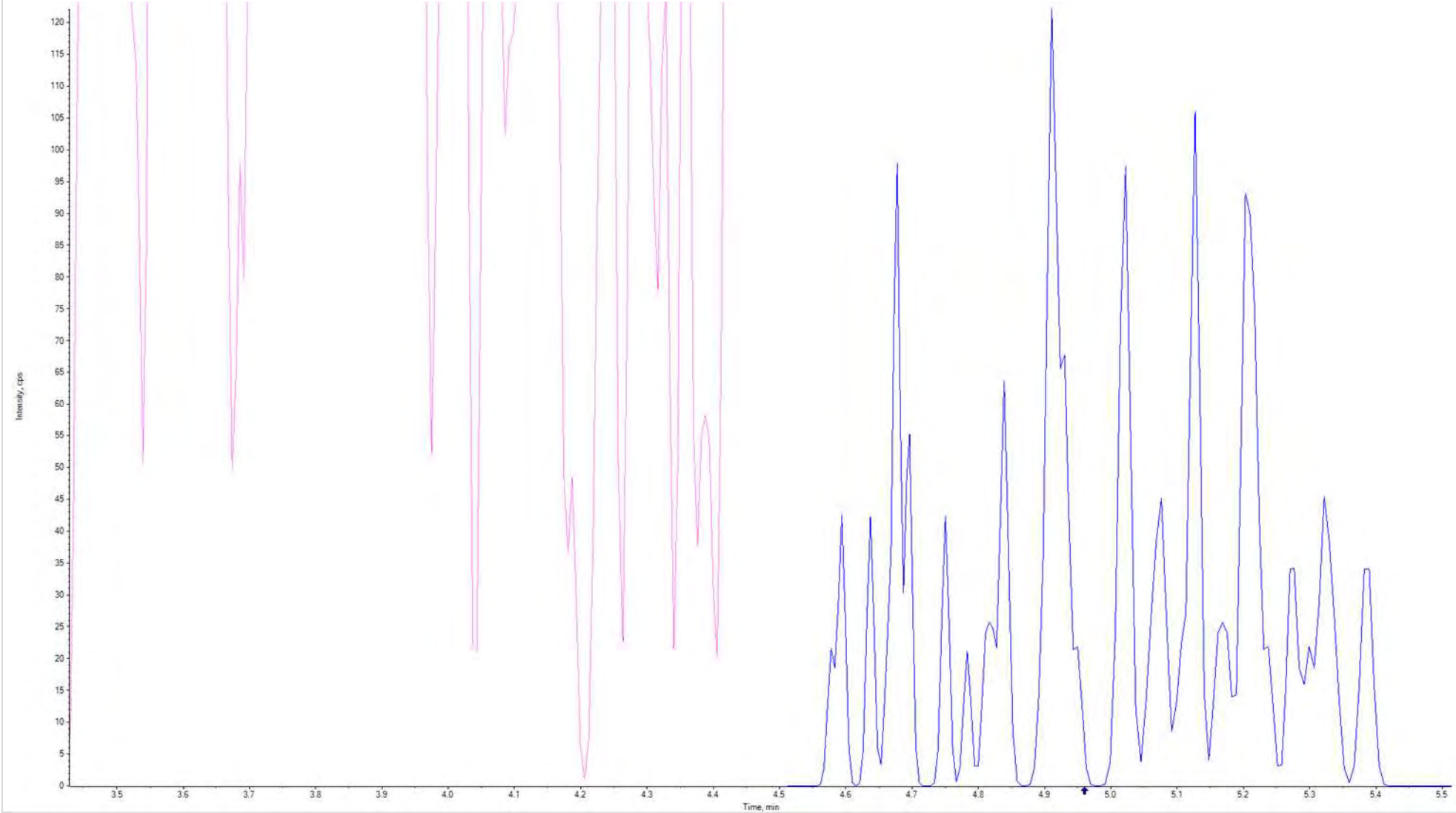
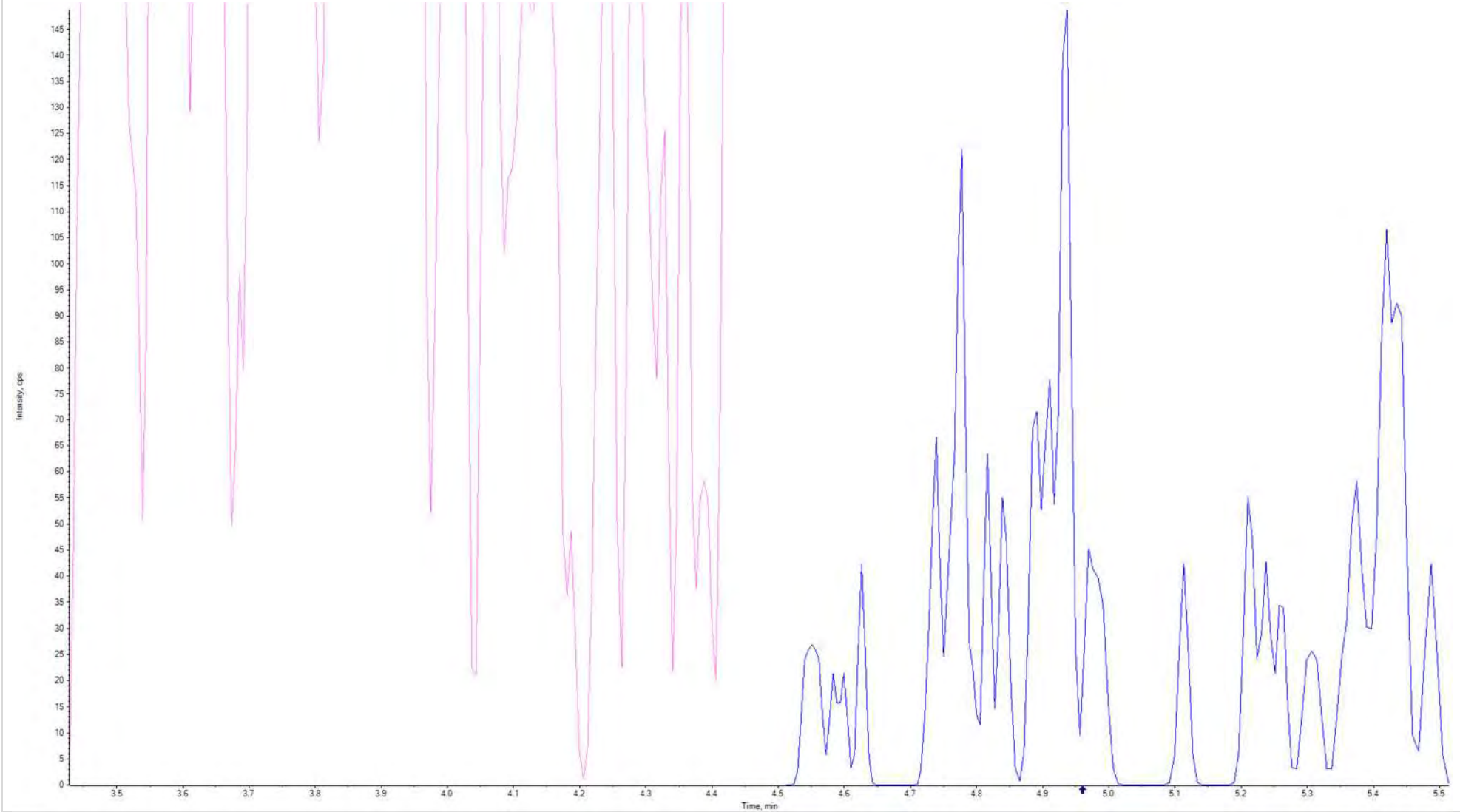
11Cl-PF3OUdS
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



11Cl-PF3OUdS_2
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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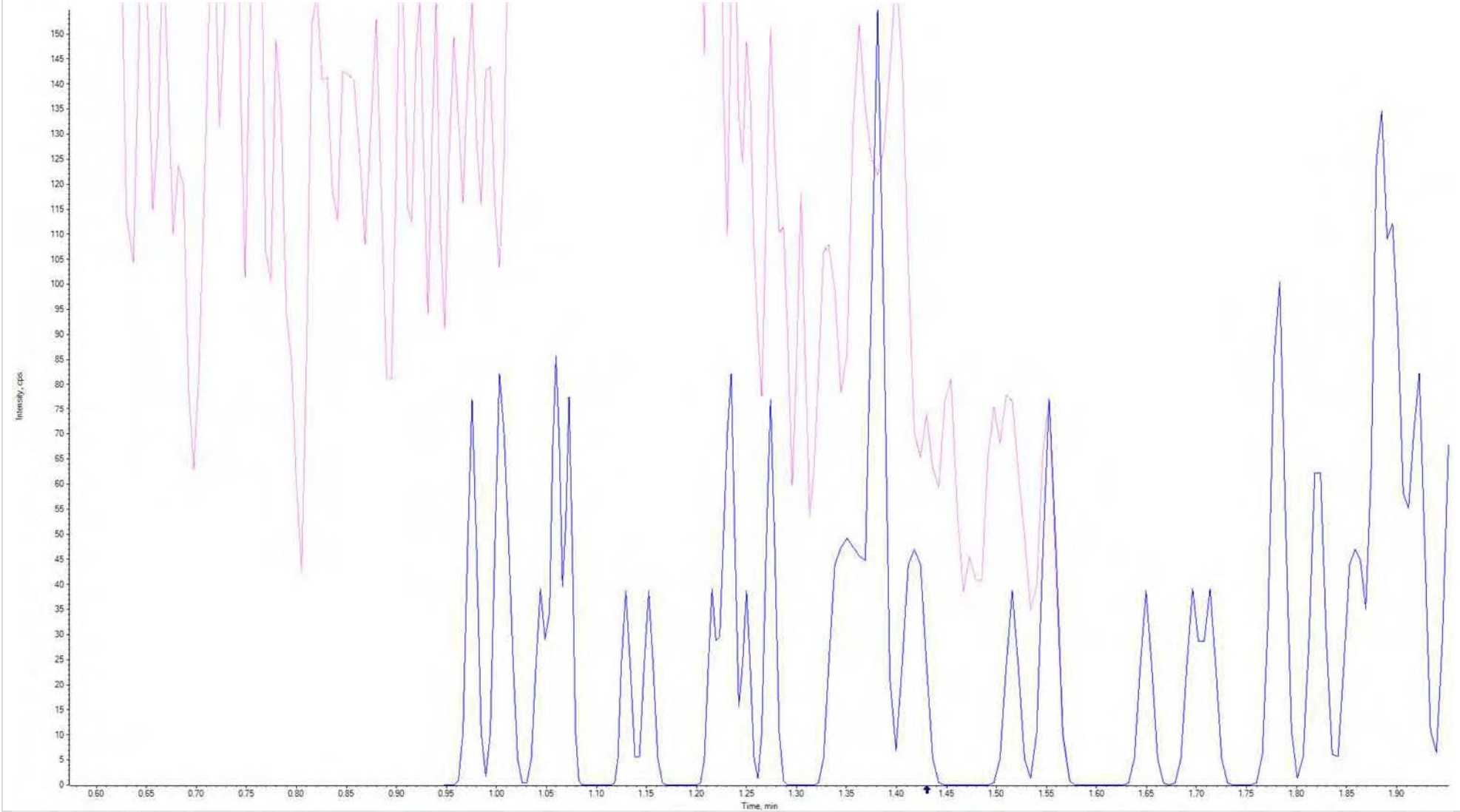
3:3FTCA
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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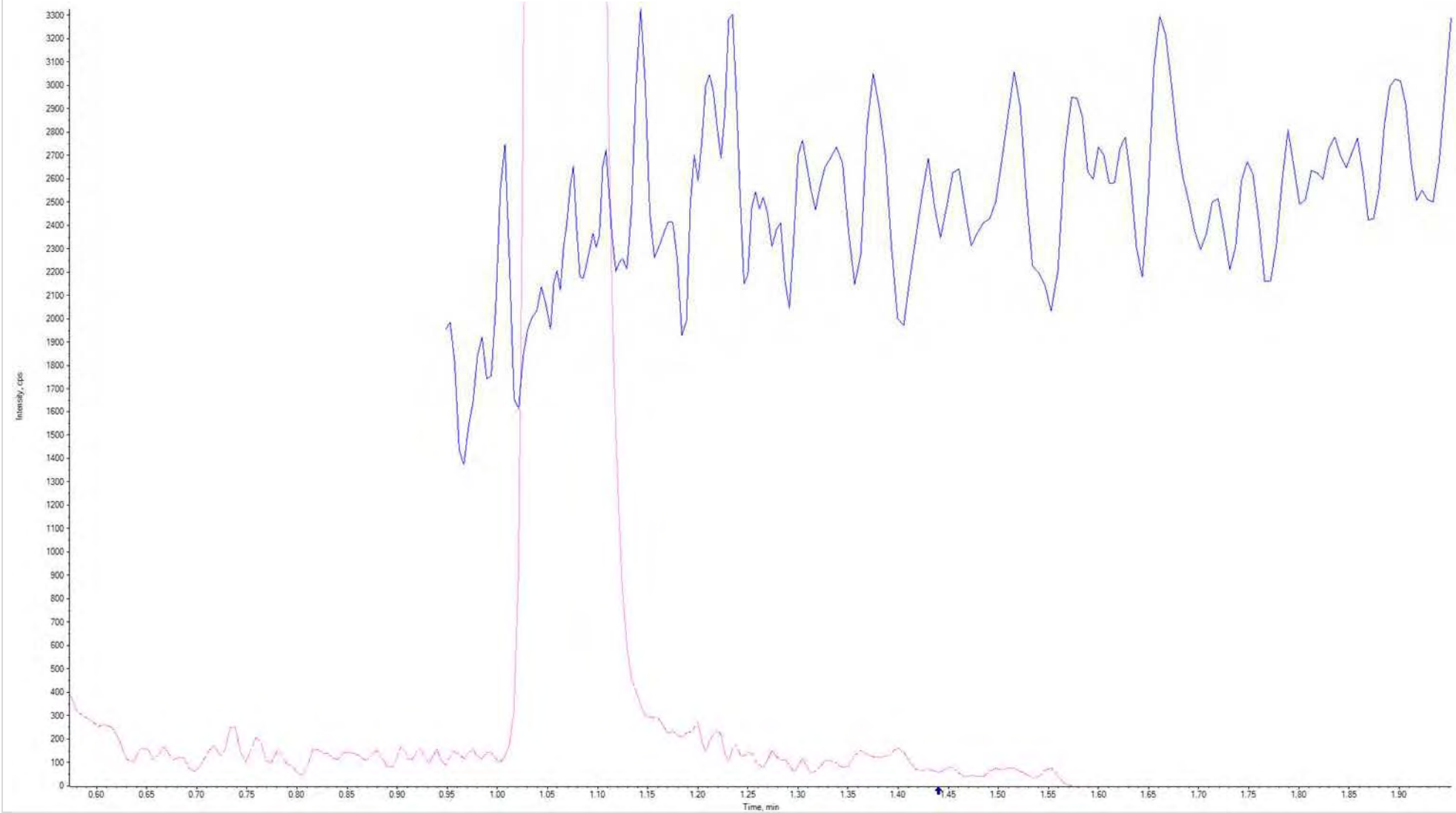
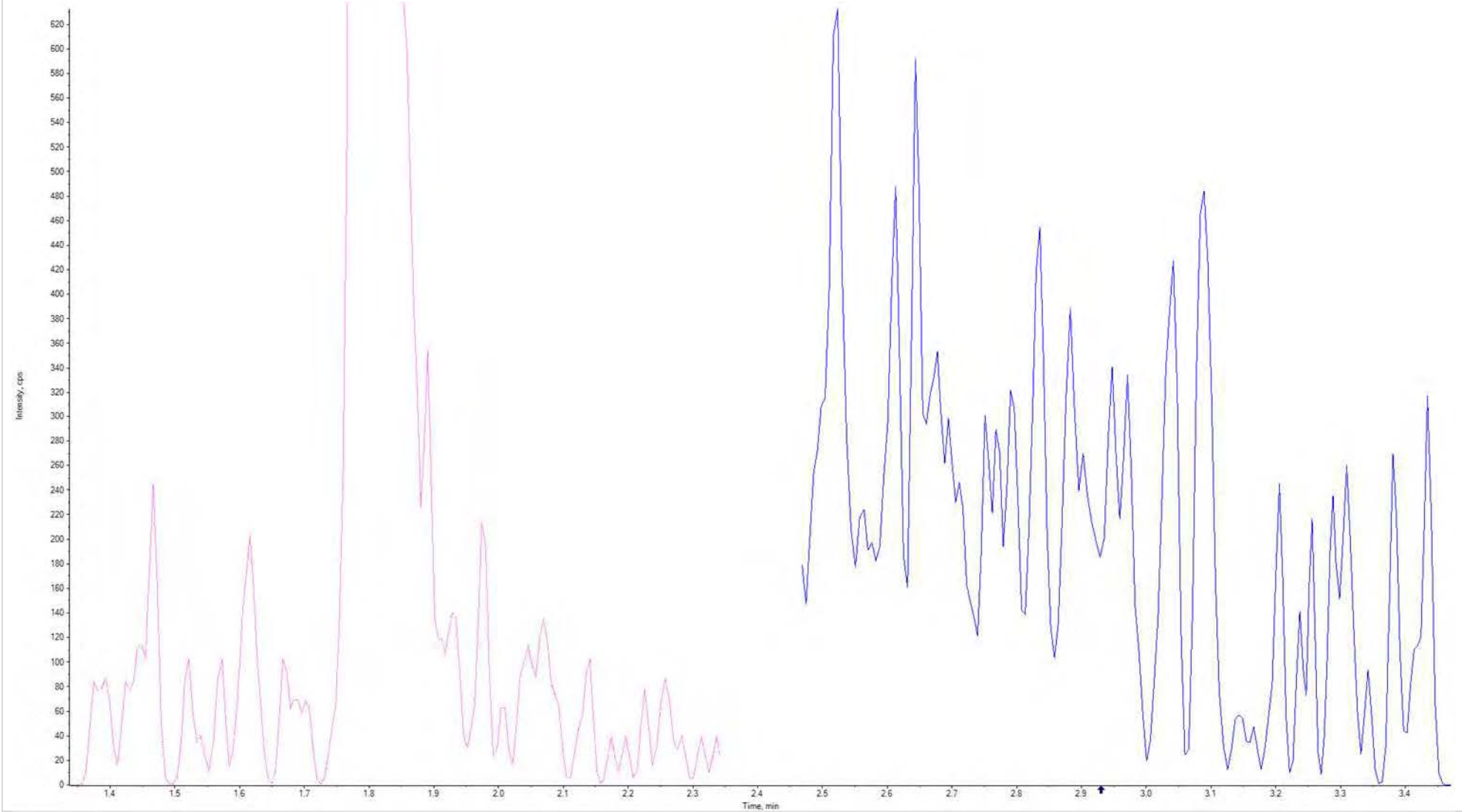
3:3FTCA_2
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



5:3FTCA
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



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Alpha Analytical LLC
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Last Altered: 12/24/2024 7:52:08 AM
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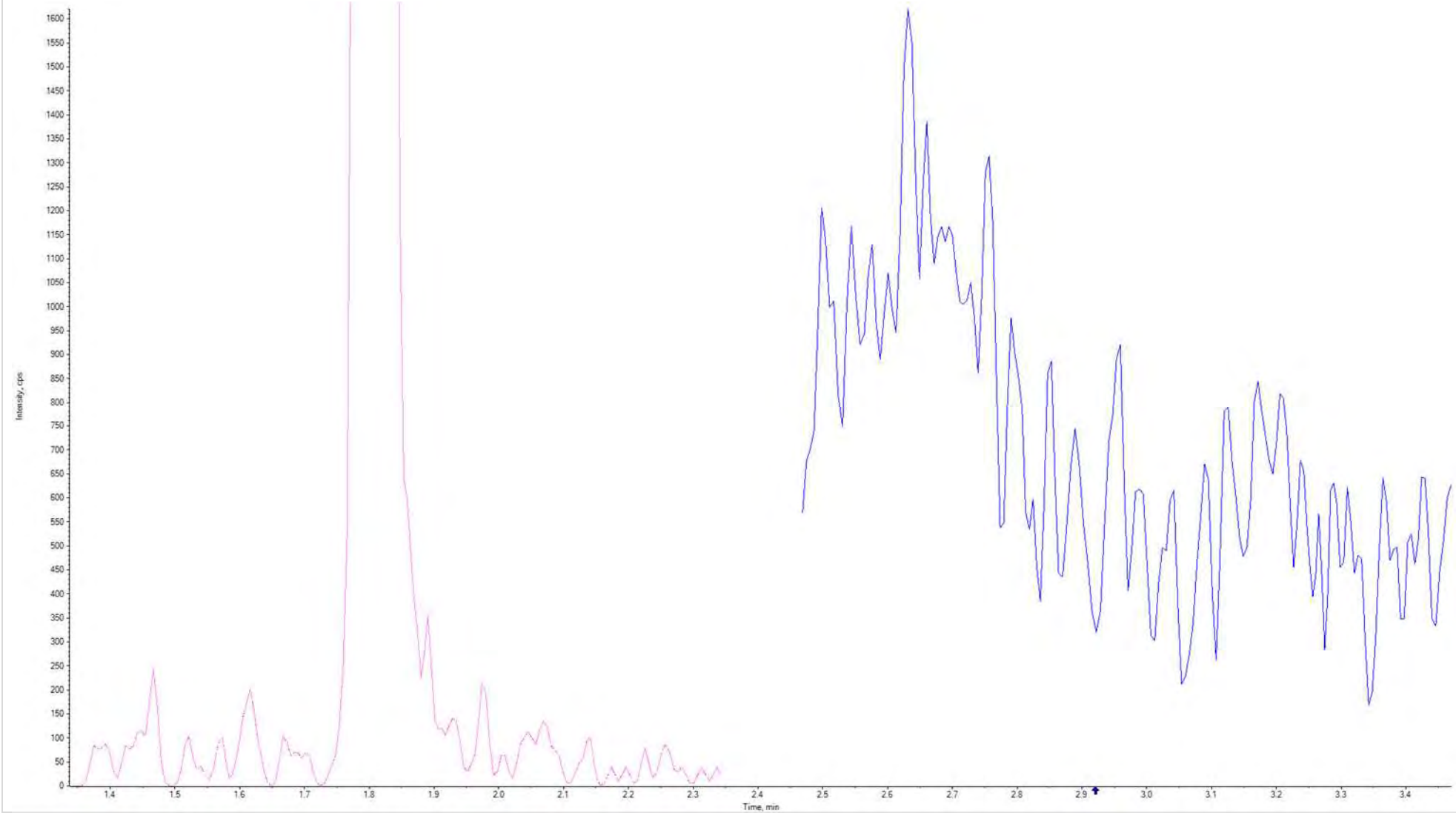
5:3FTCA_2
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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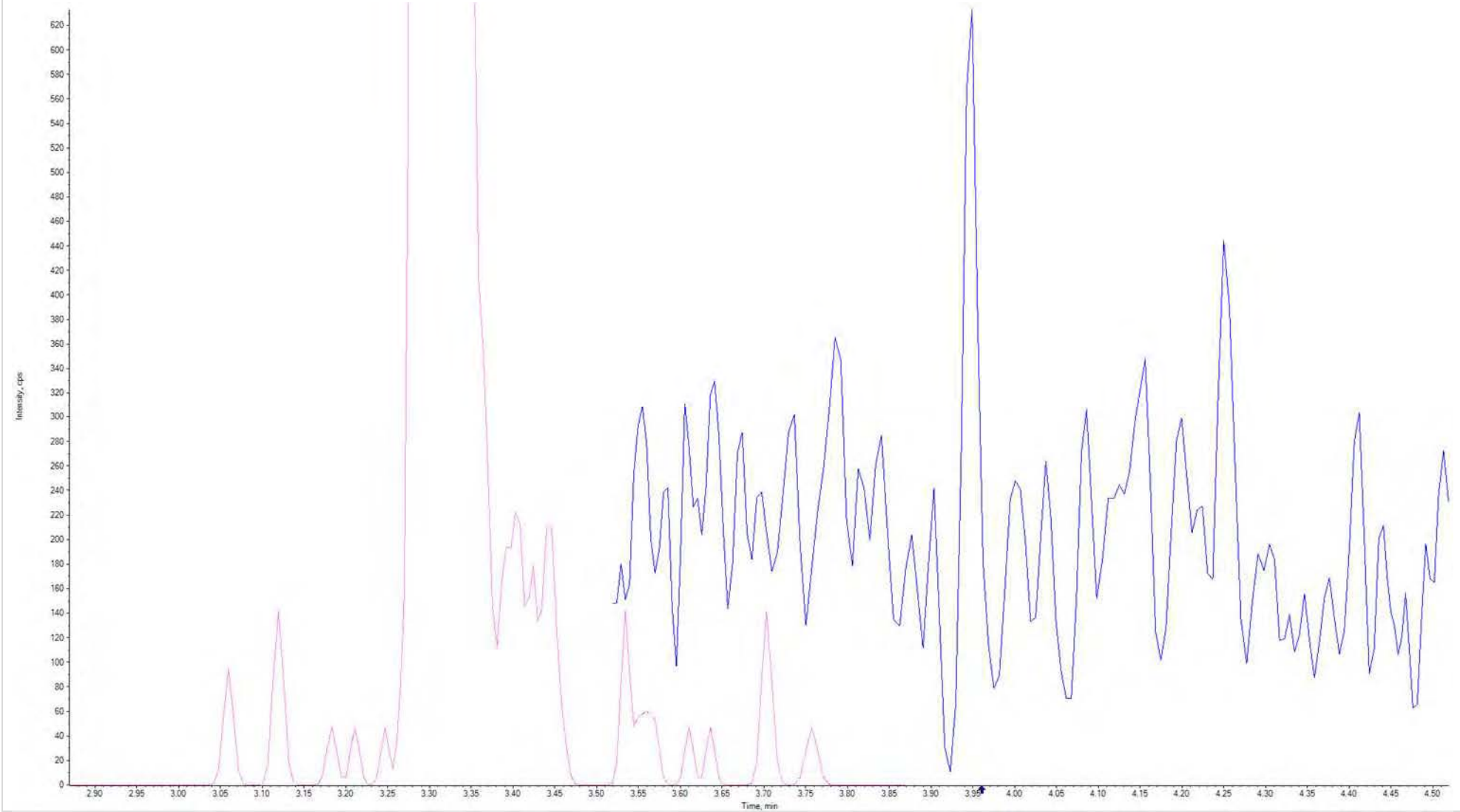
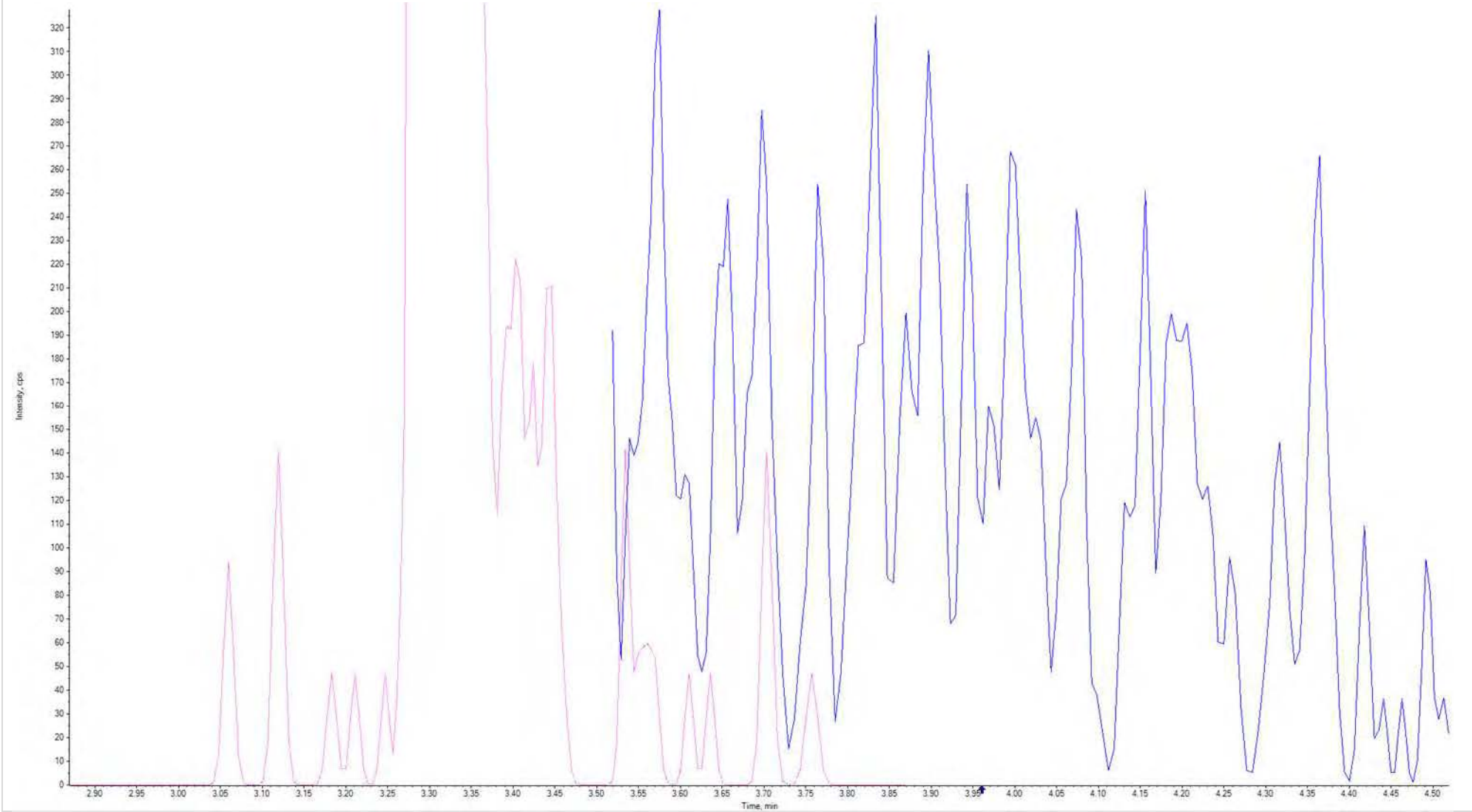
7:3FTCA
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



7:3FTCA_2
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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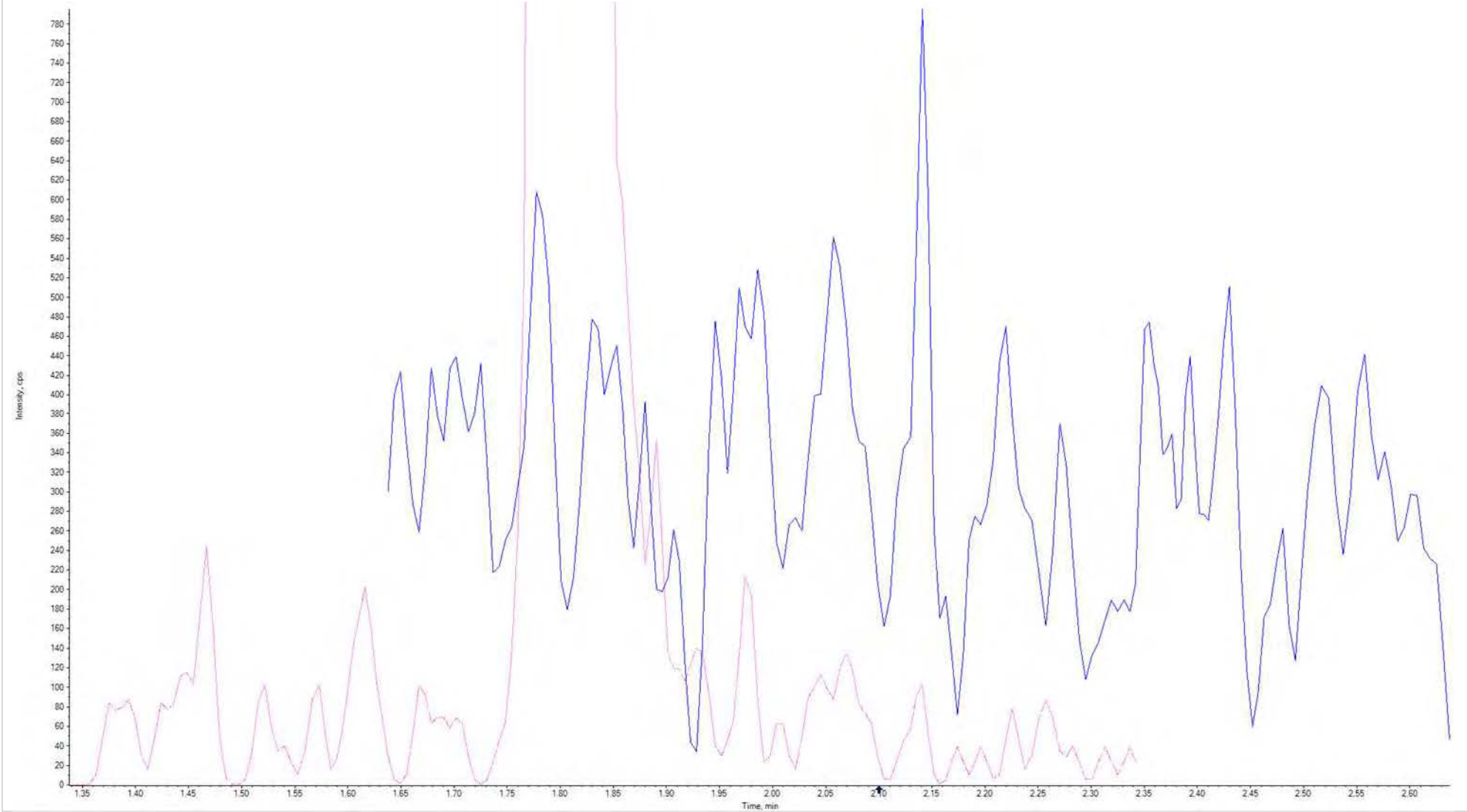
PFEESA
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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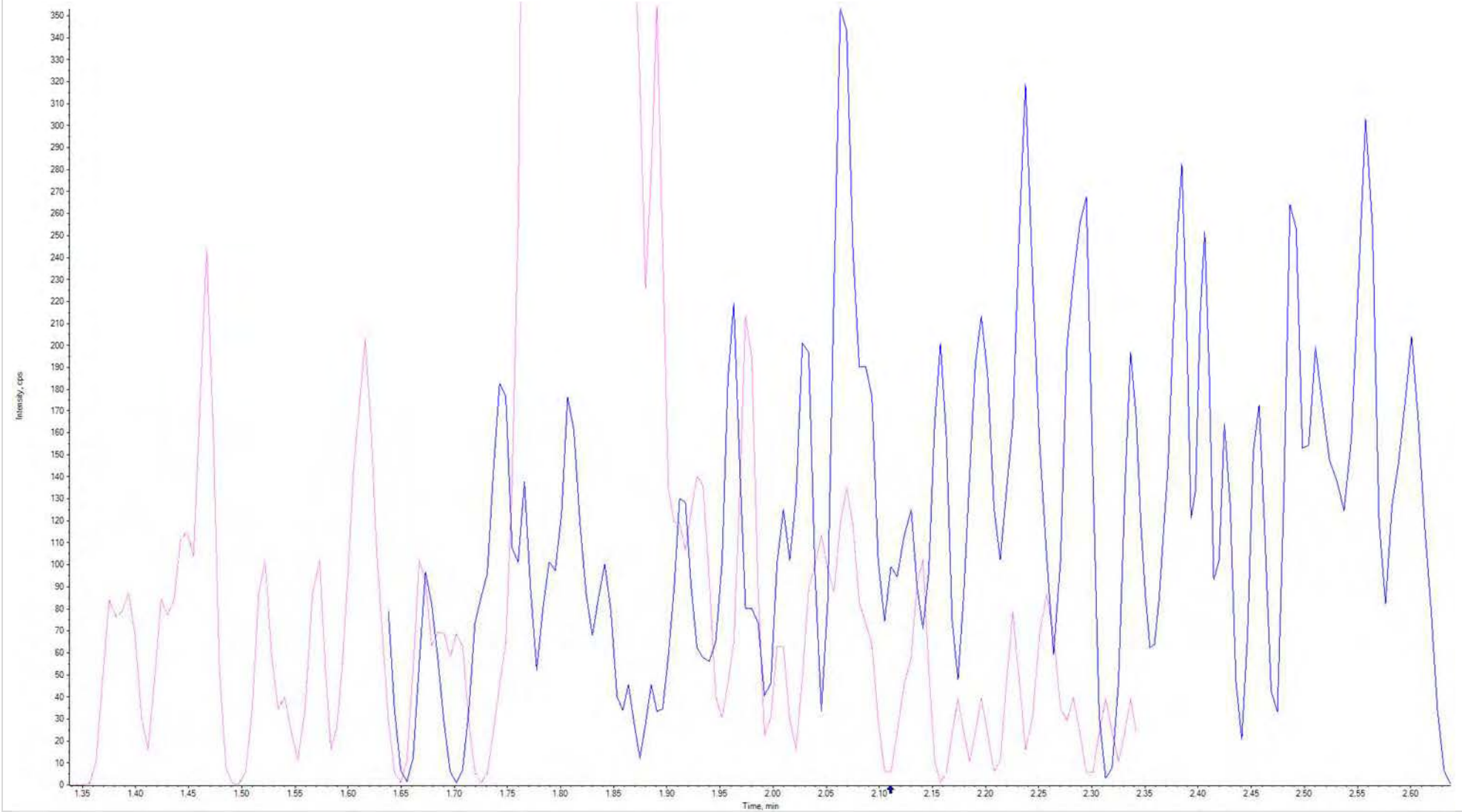
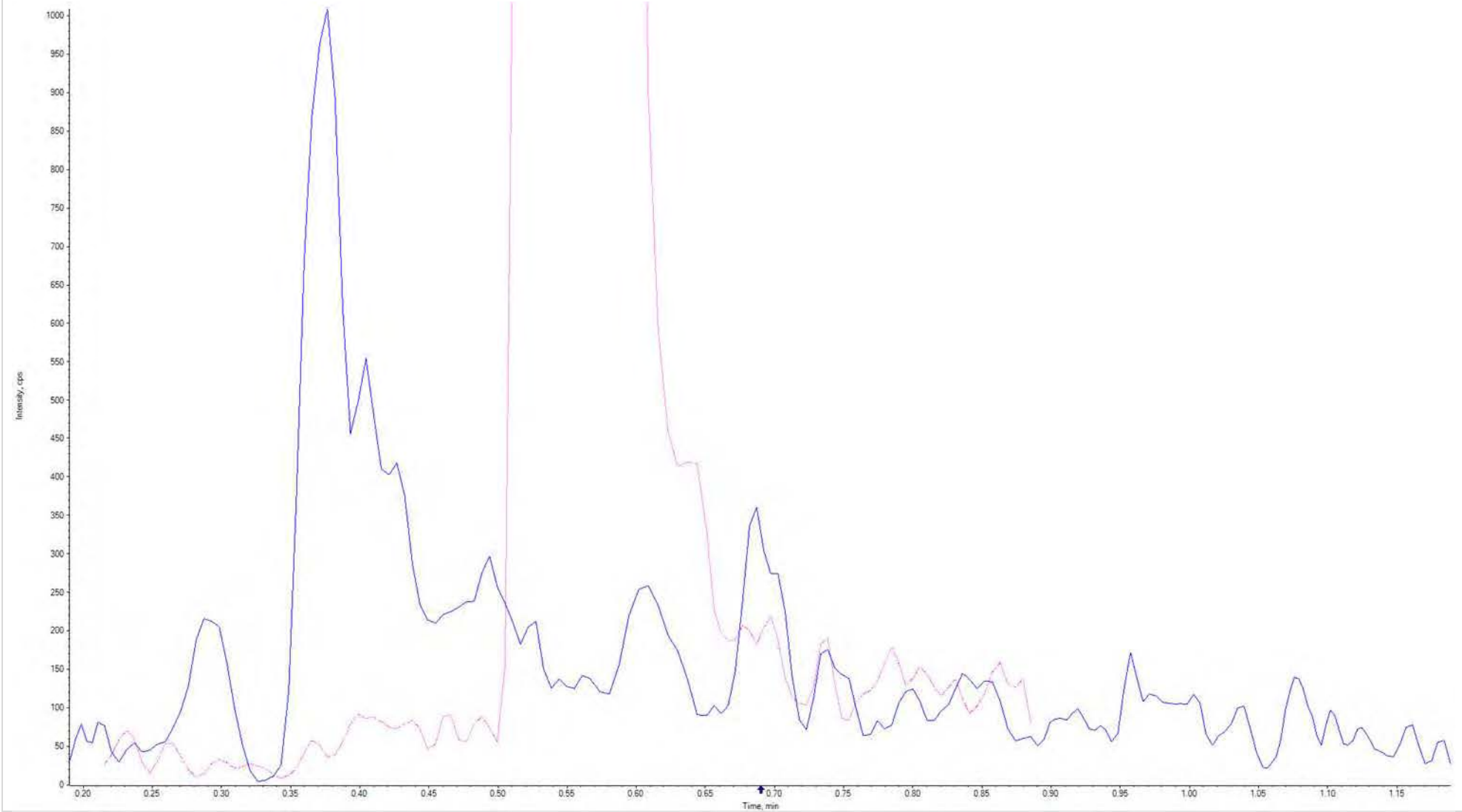
PFEESA_2
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



PFMPA
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



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PFMBA
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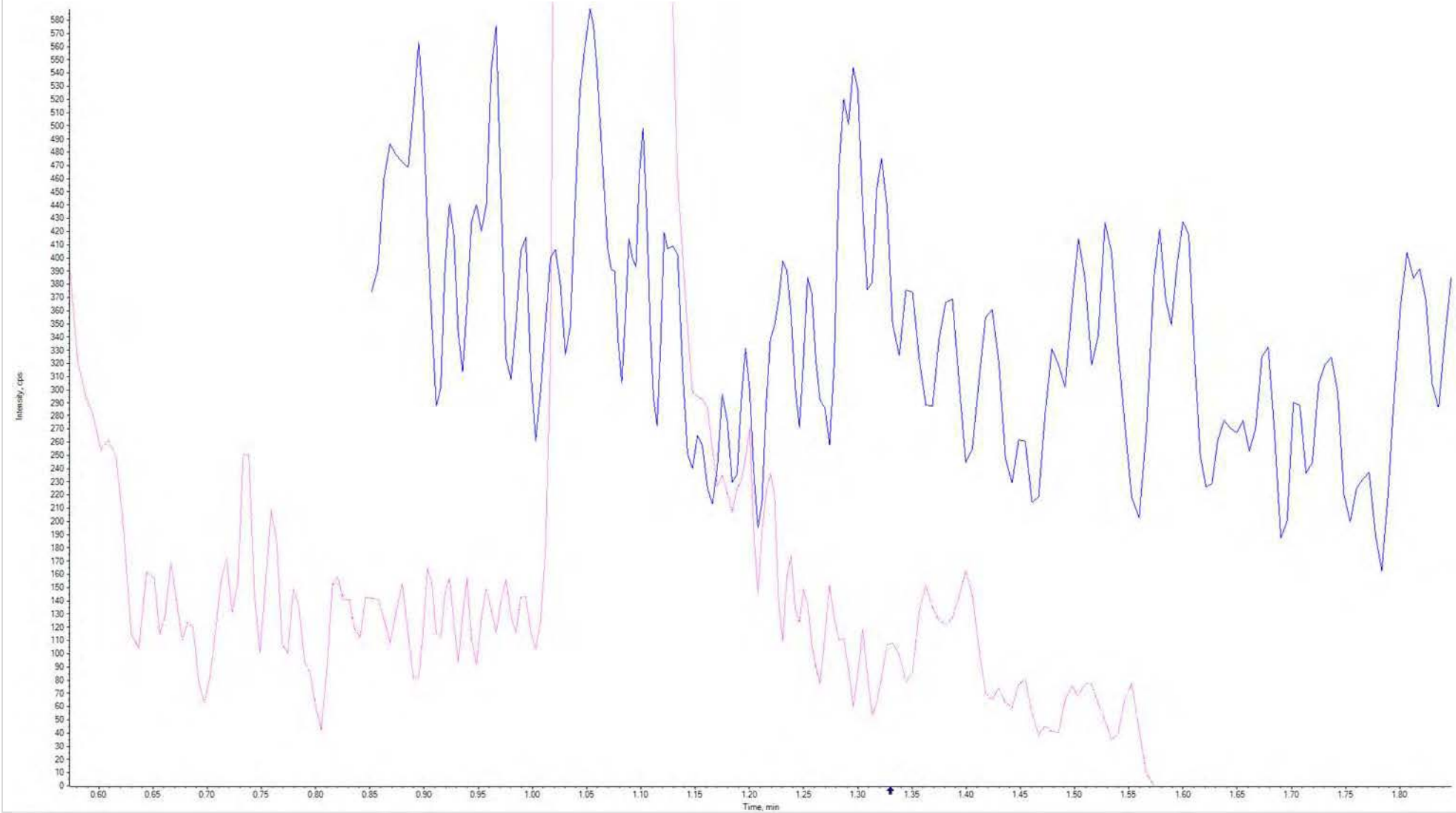

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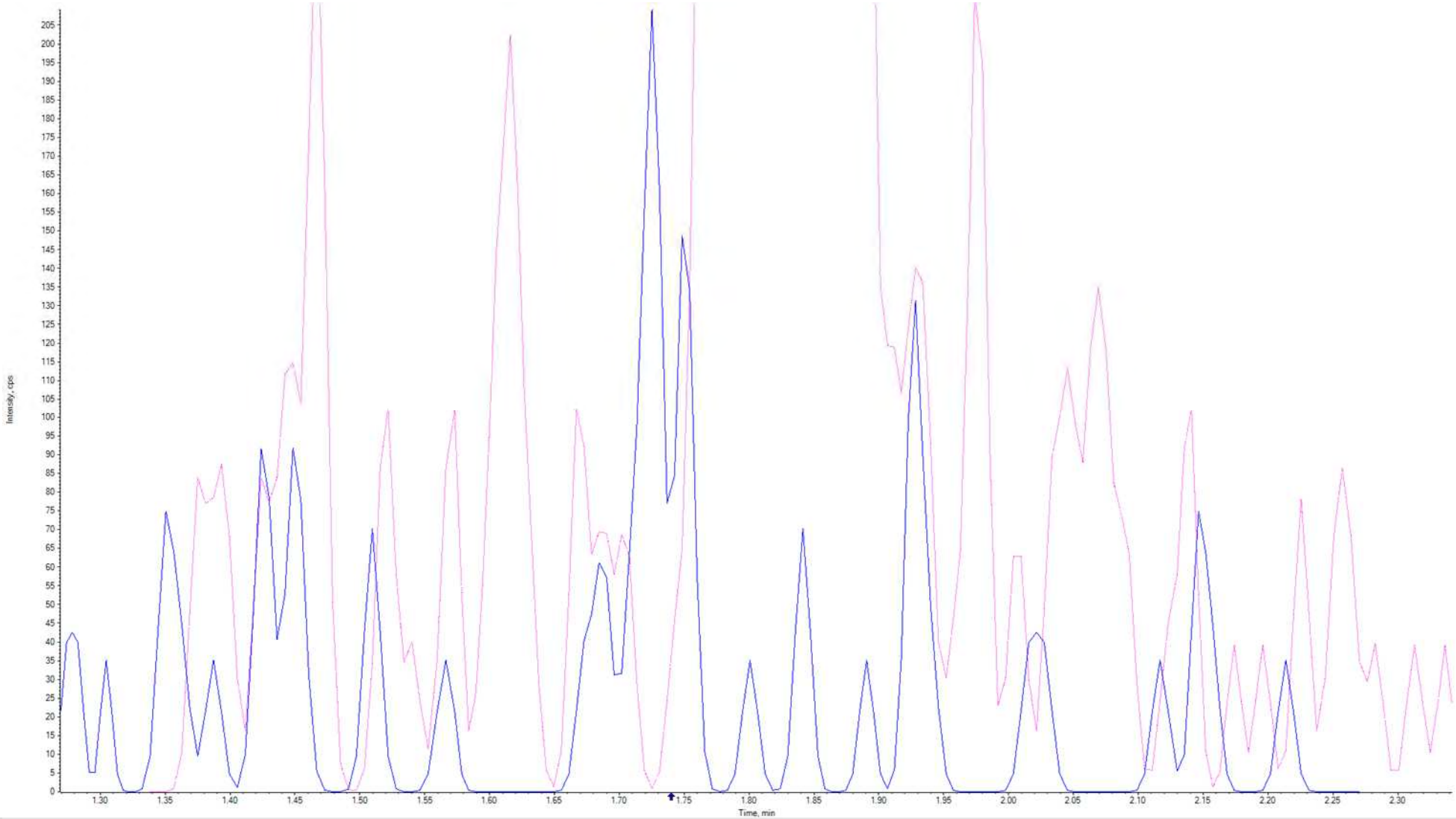
NFDHA
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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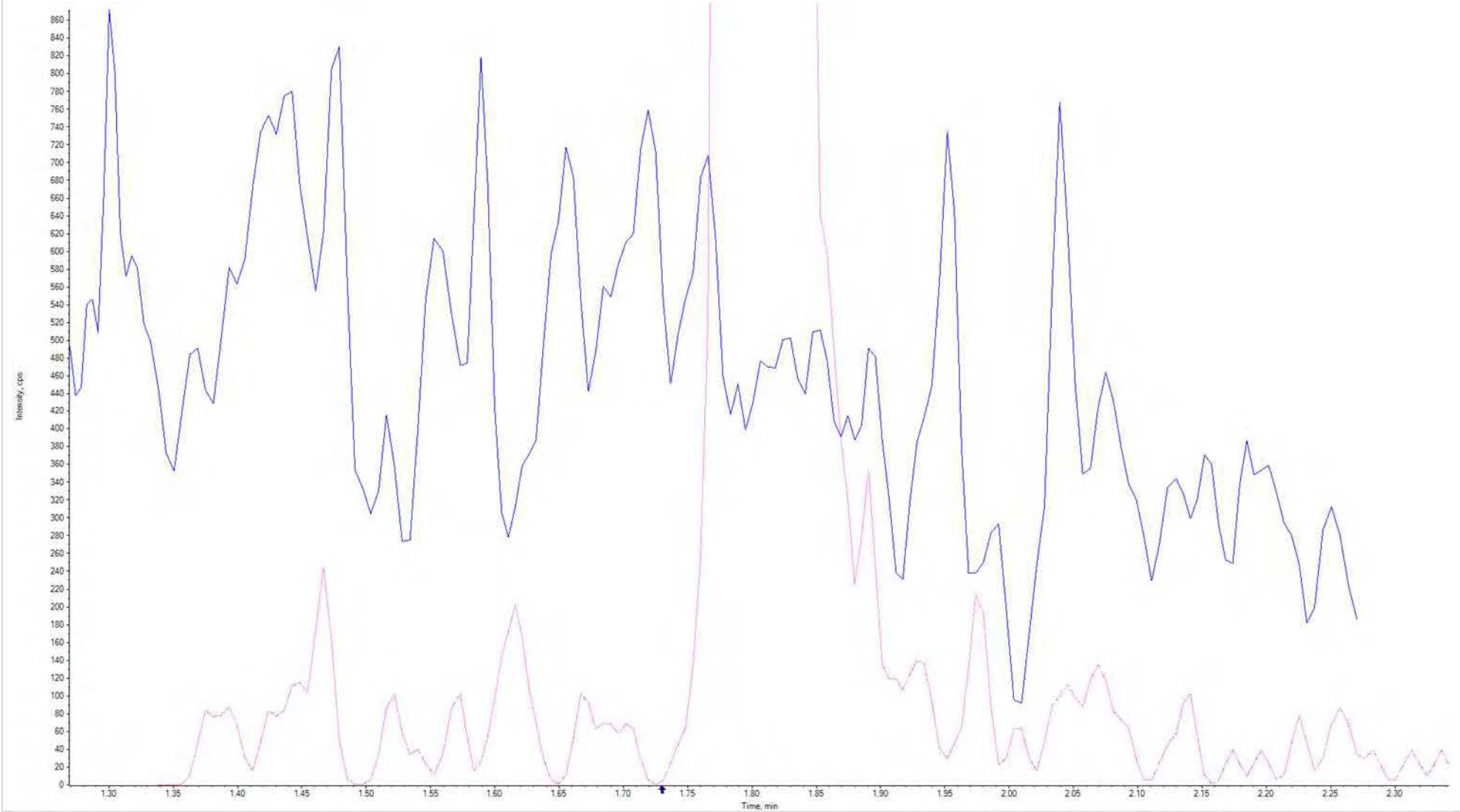
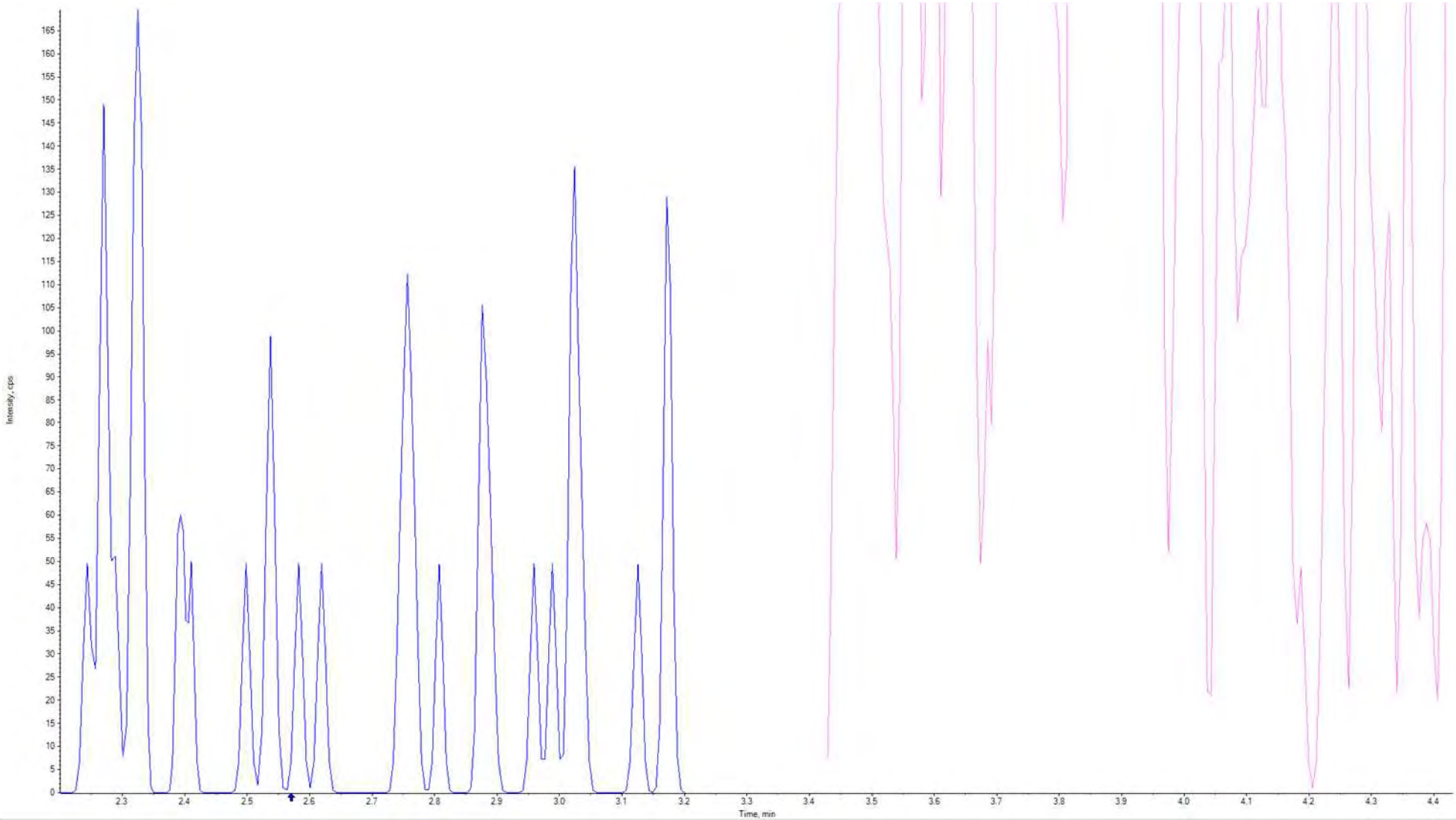
NFDHA_2
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



TDCA
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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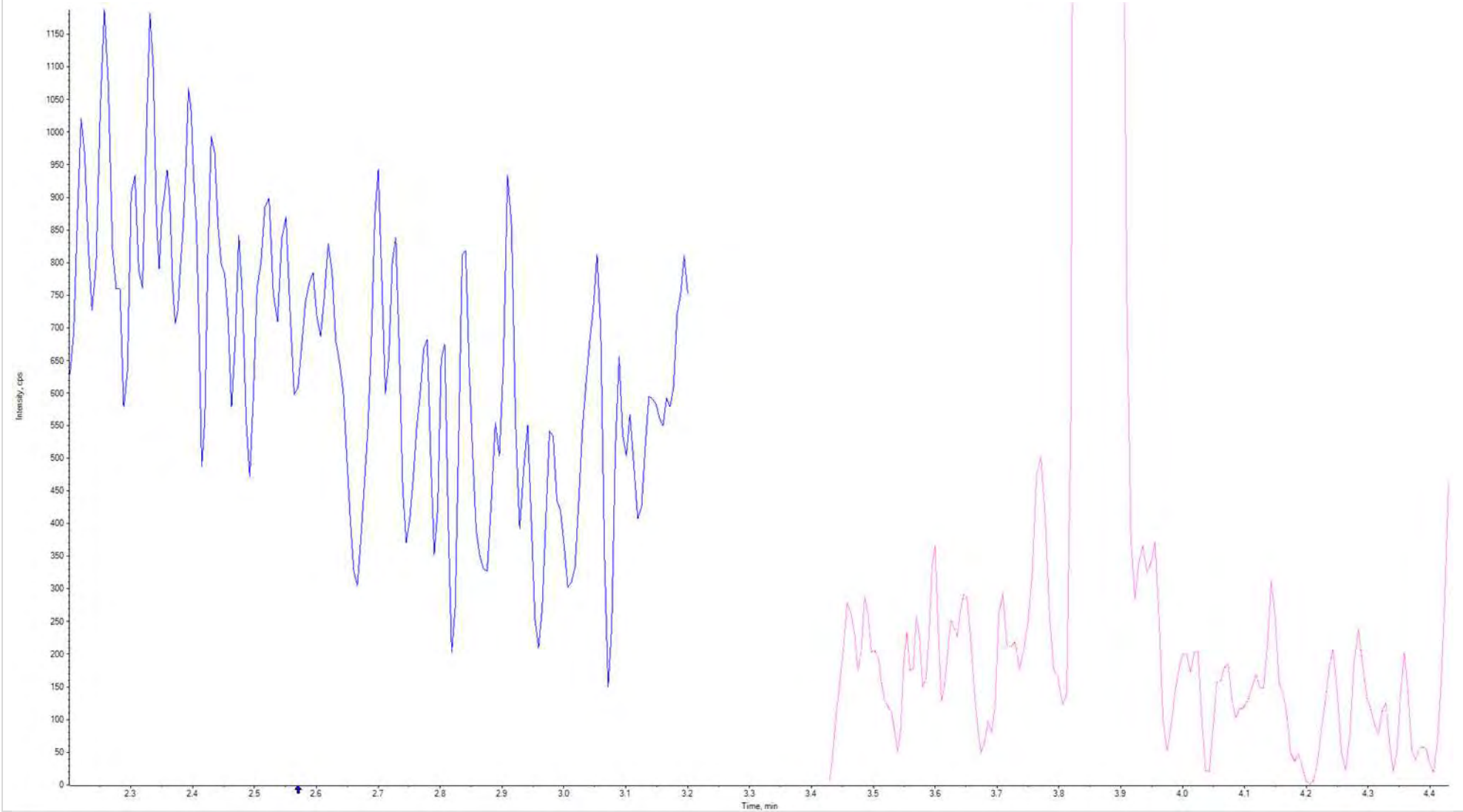
TDCA_2
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



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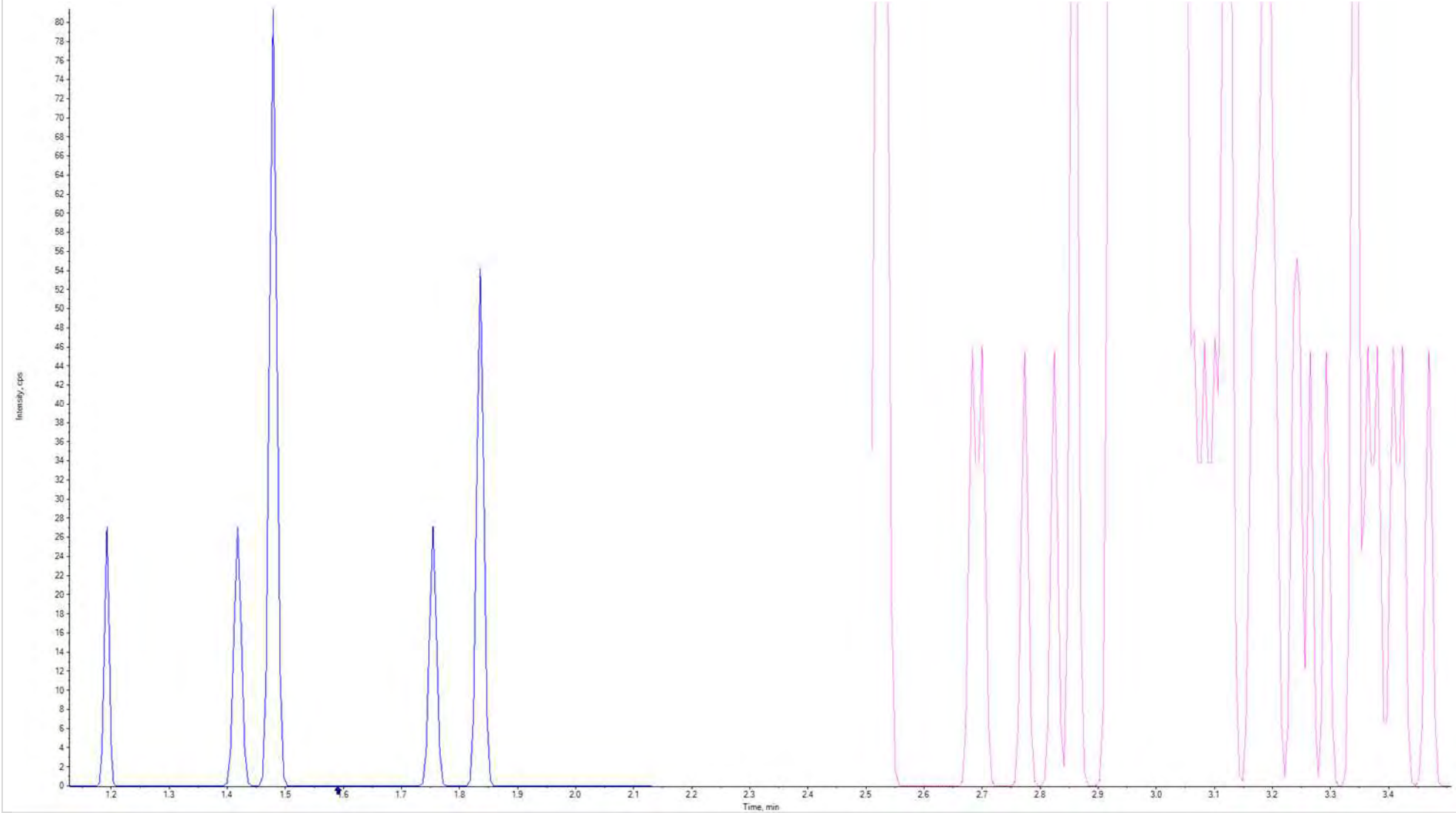
13C2D4-4:2FTS
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



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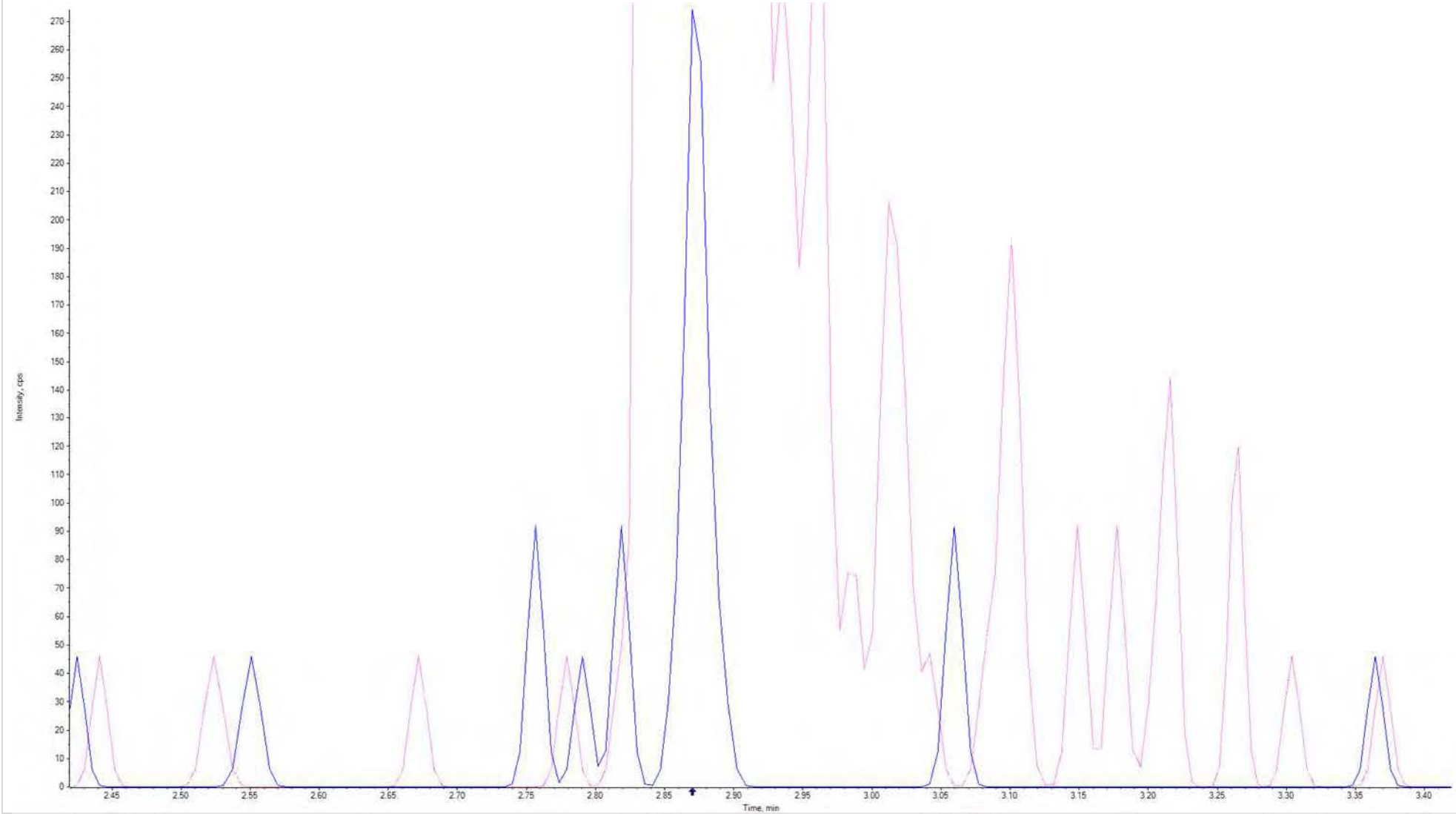
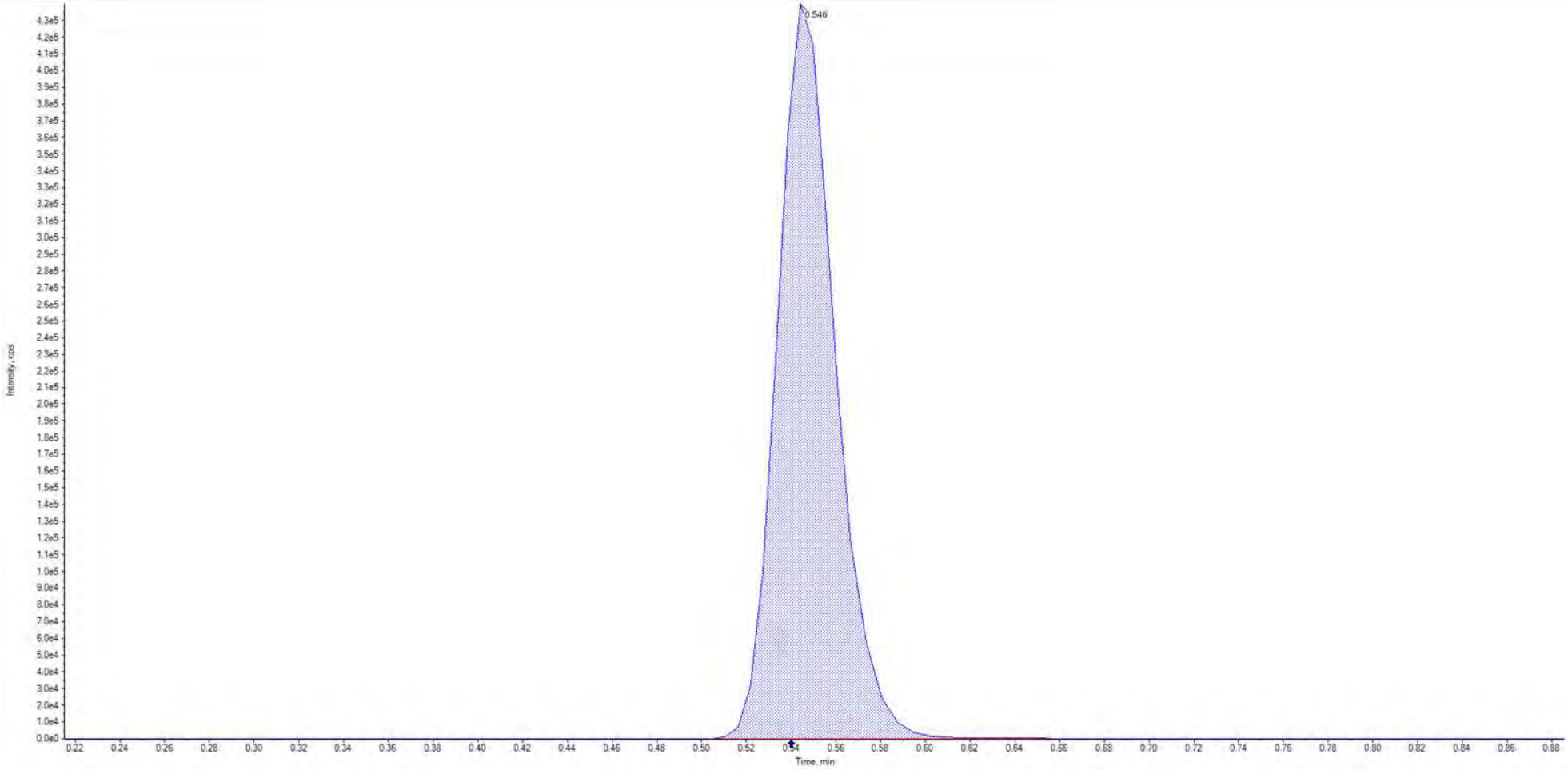
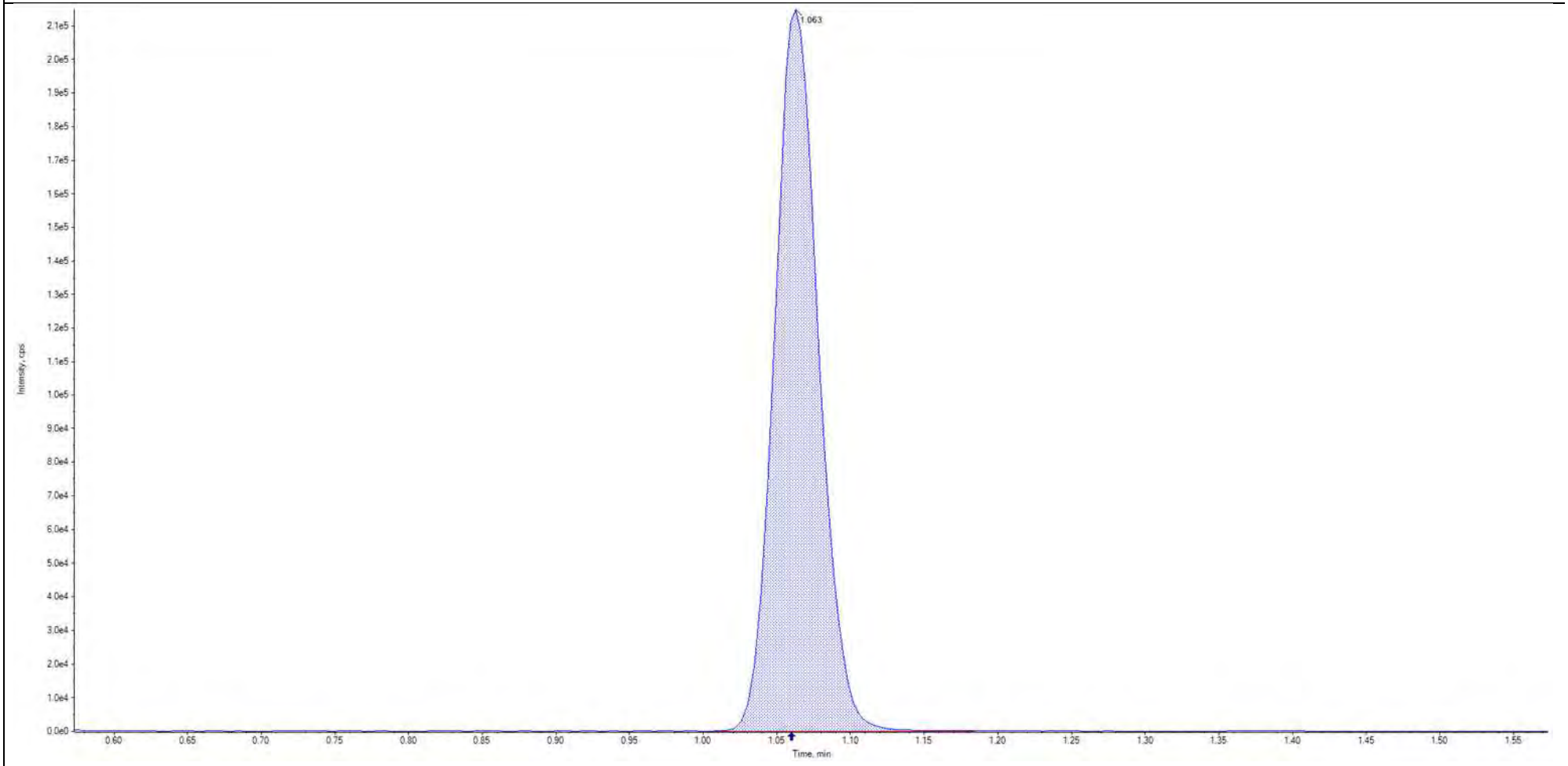
13C2-PFOA
Sample: L2467934-09 S/N:N/A Points Across peak:N/A



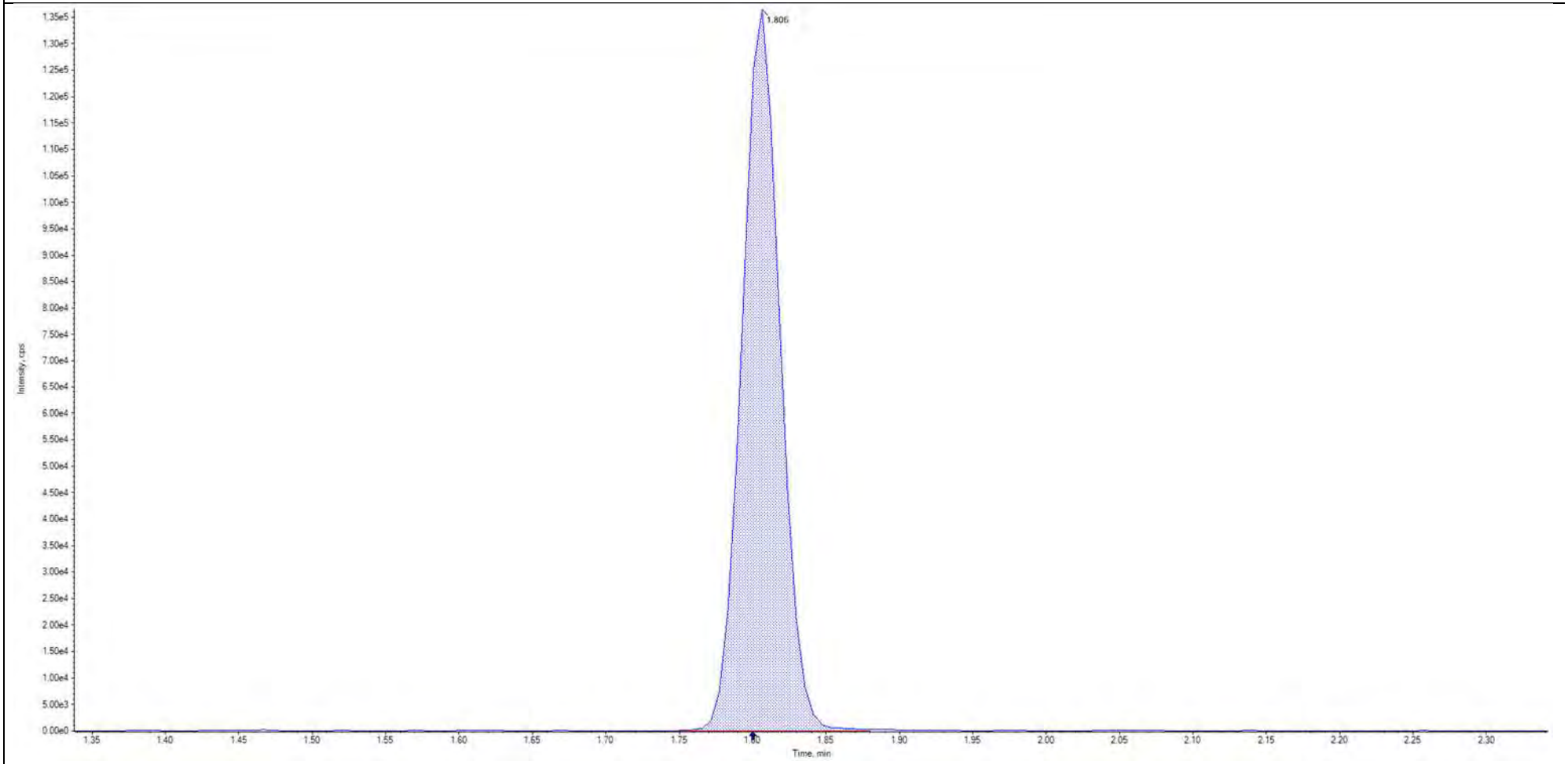
13C4-PFBA
Sample: L2467934-09



13C5-PFPeA
Sample: L2467934-09



13C5-PFHxA
Sample: L2467934-09



13C4-PFHpA
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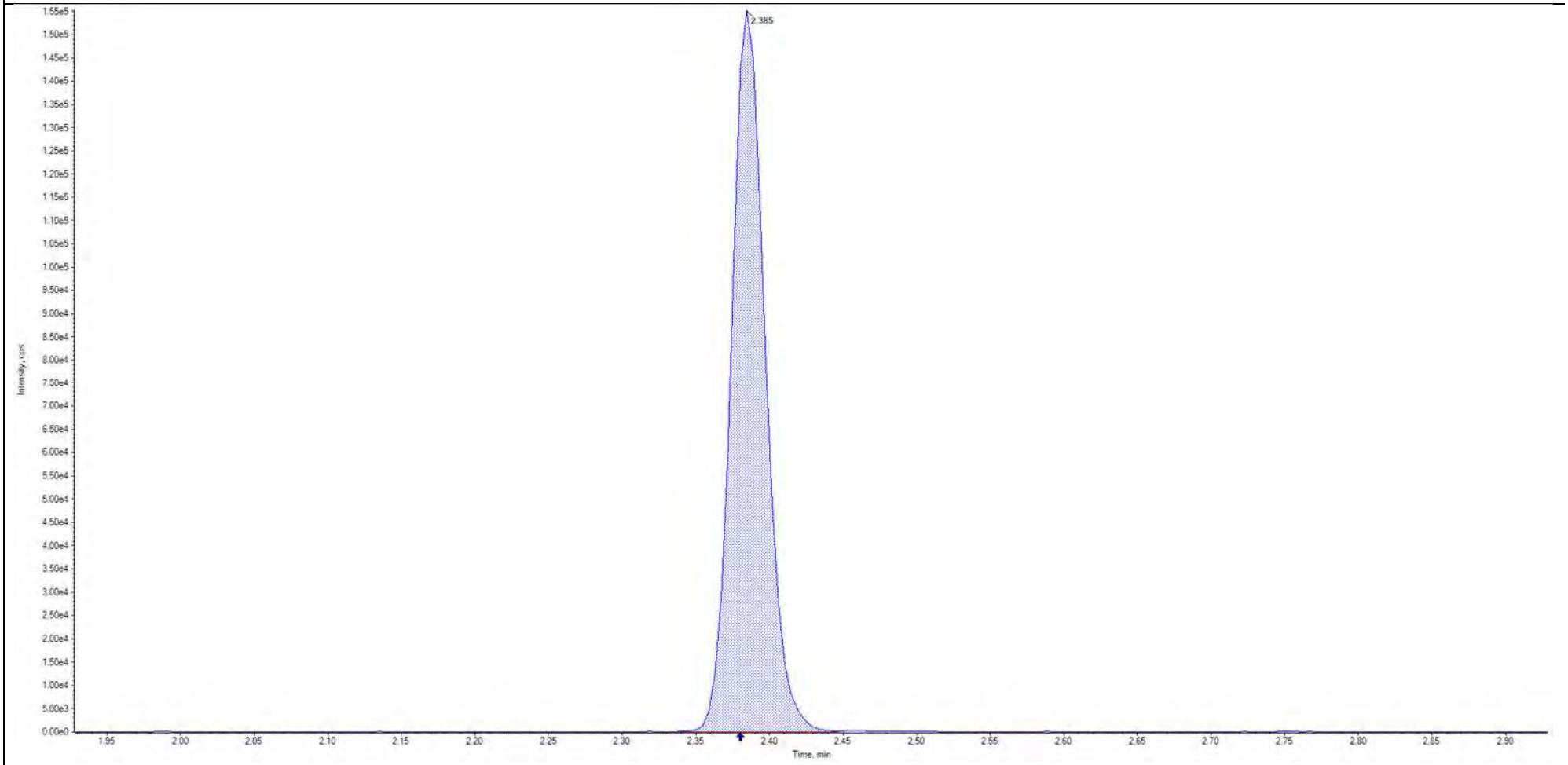
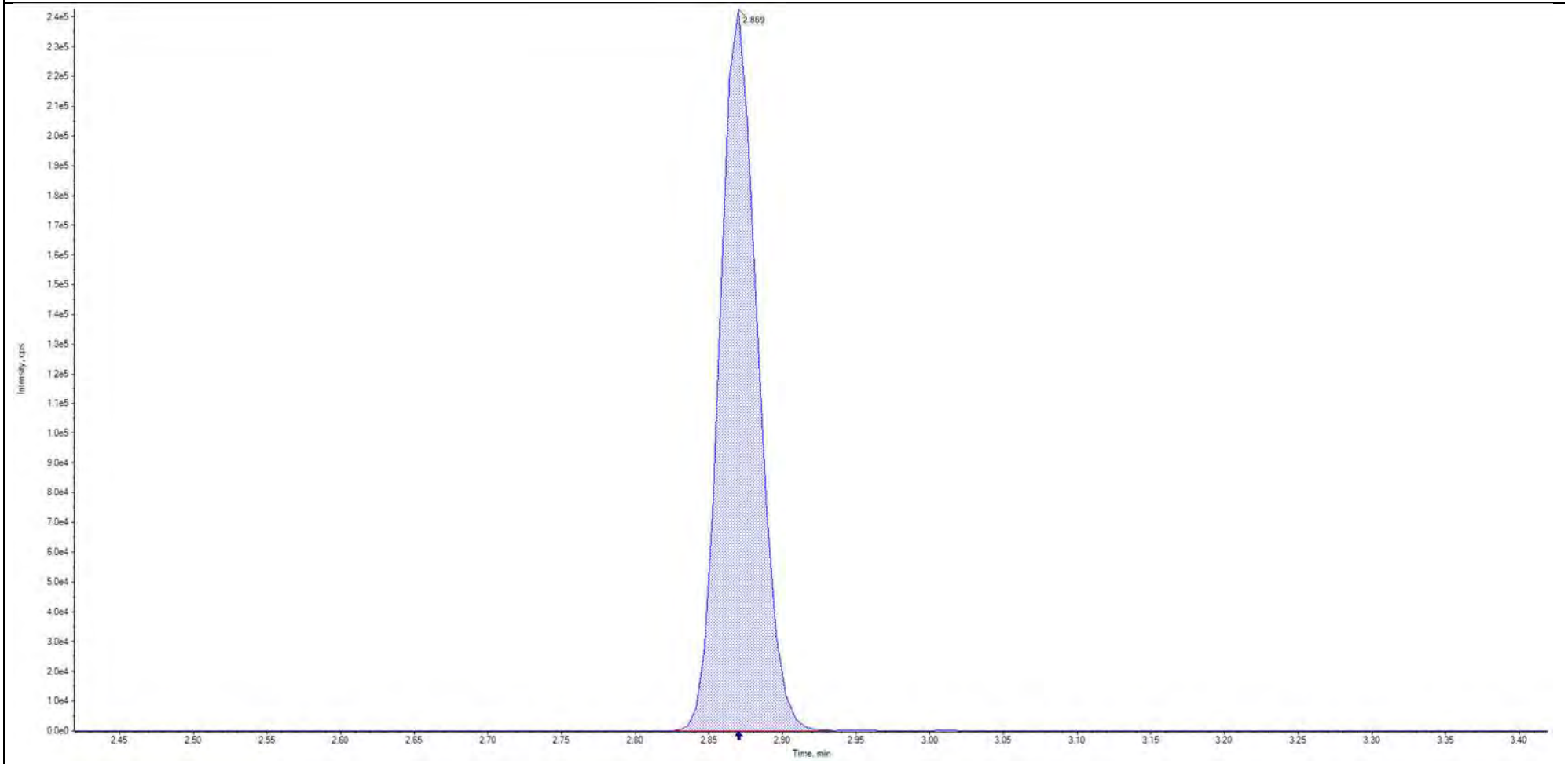


13C8-PFOA
Sample: L2467934-09



13C9-PFNA
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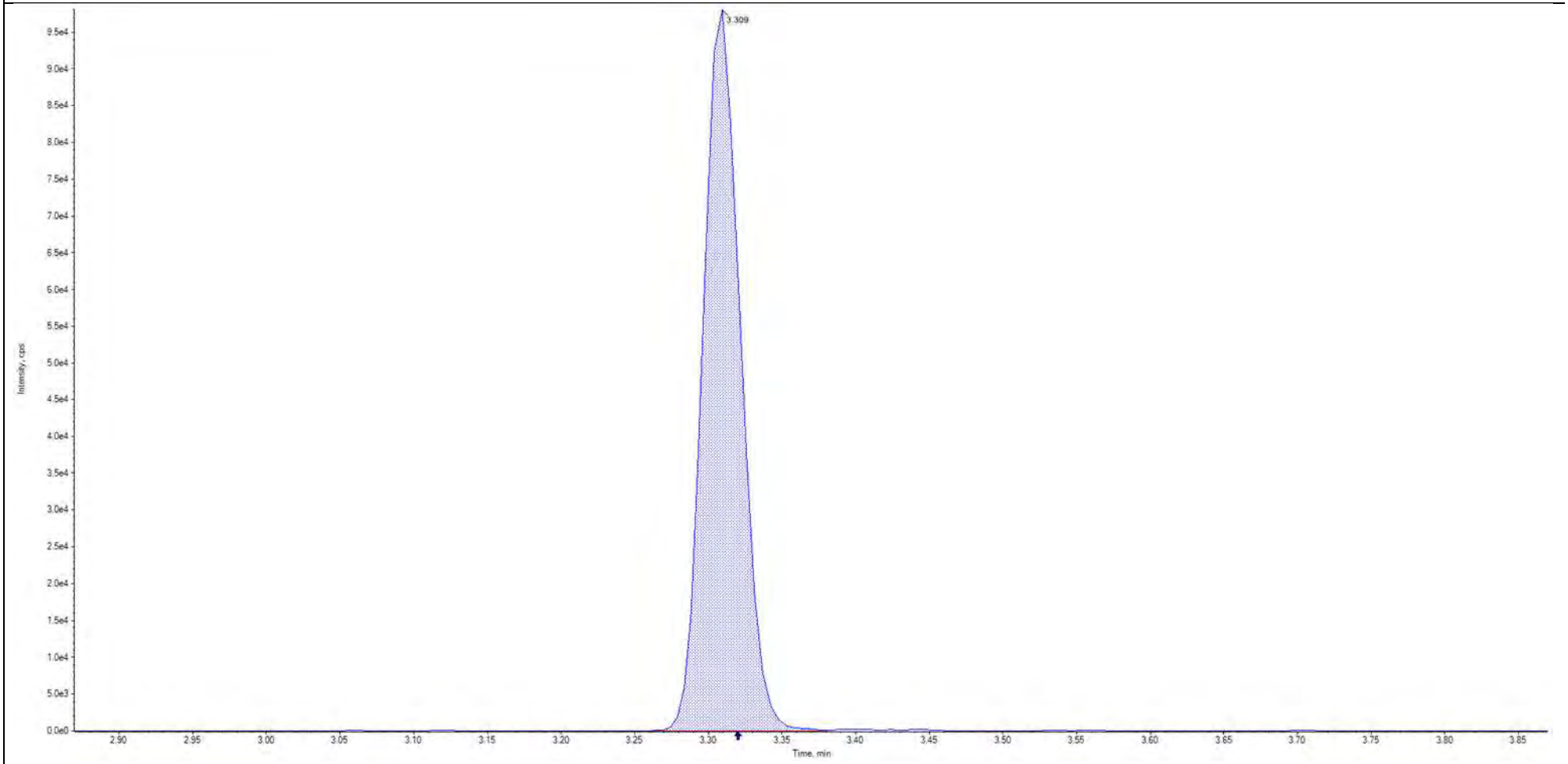
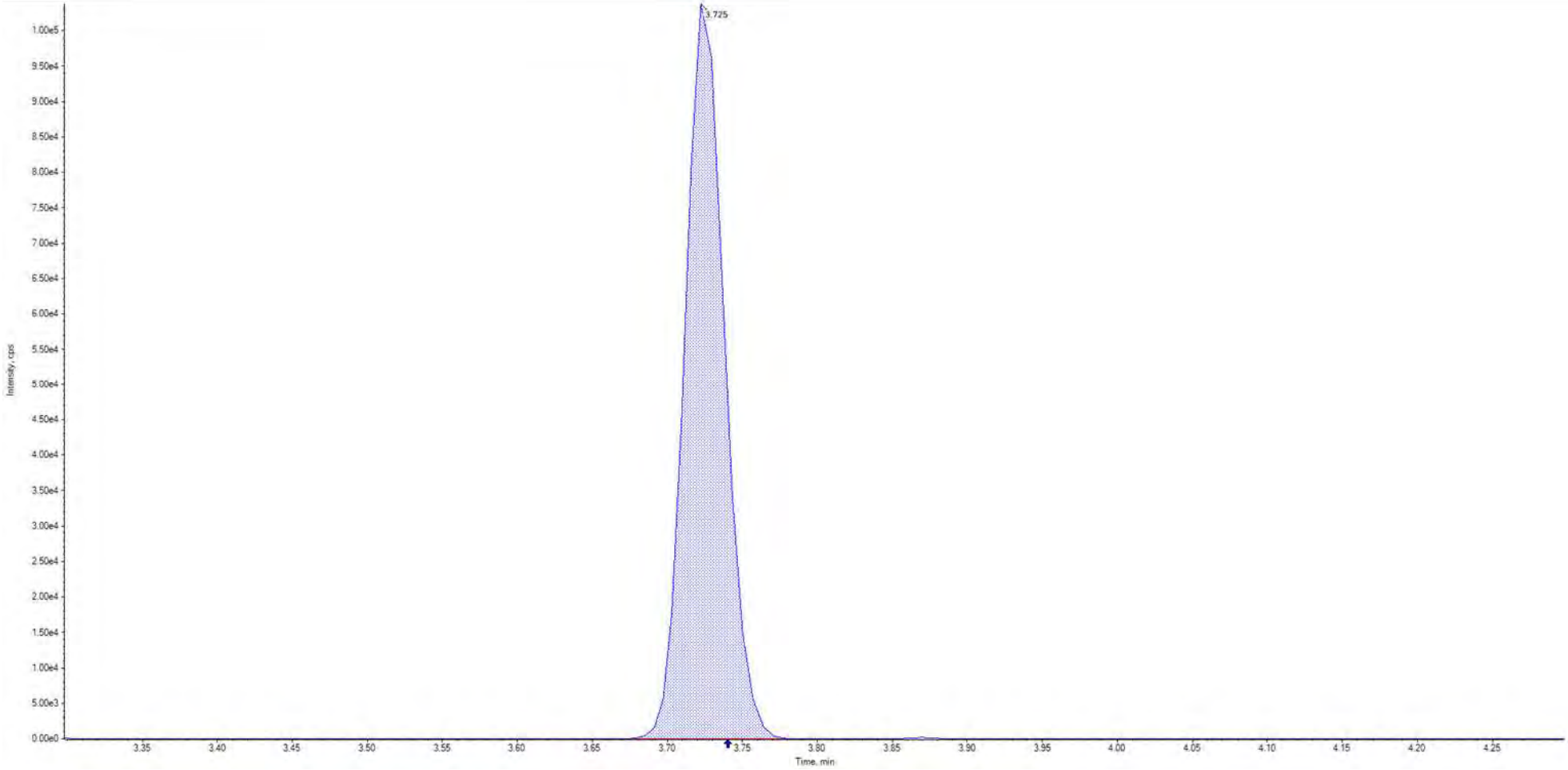


13C6-PFDA
Sample: L2467934-09



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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13C7-PFUnA
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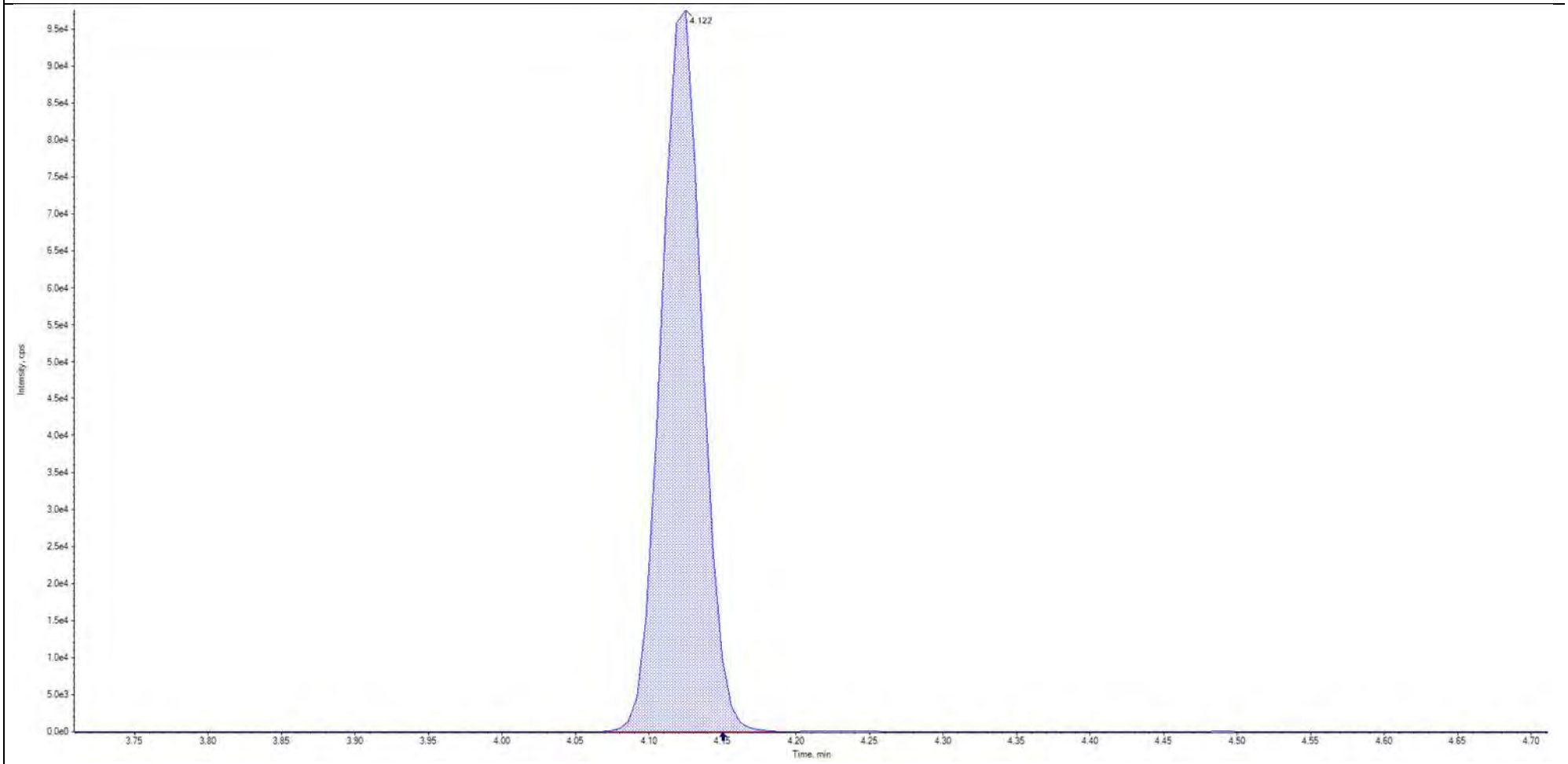
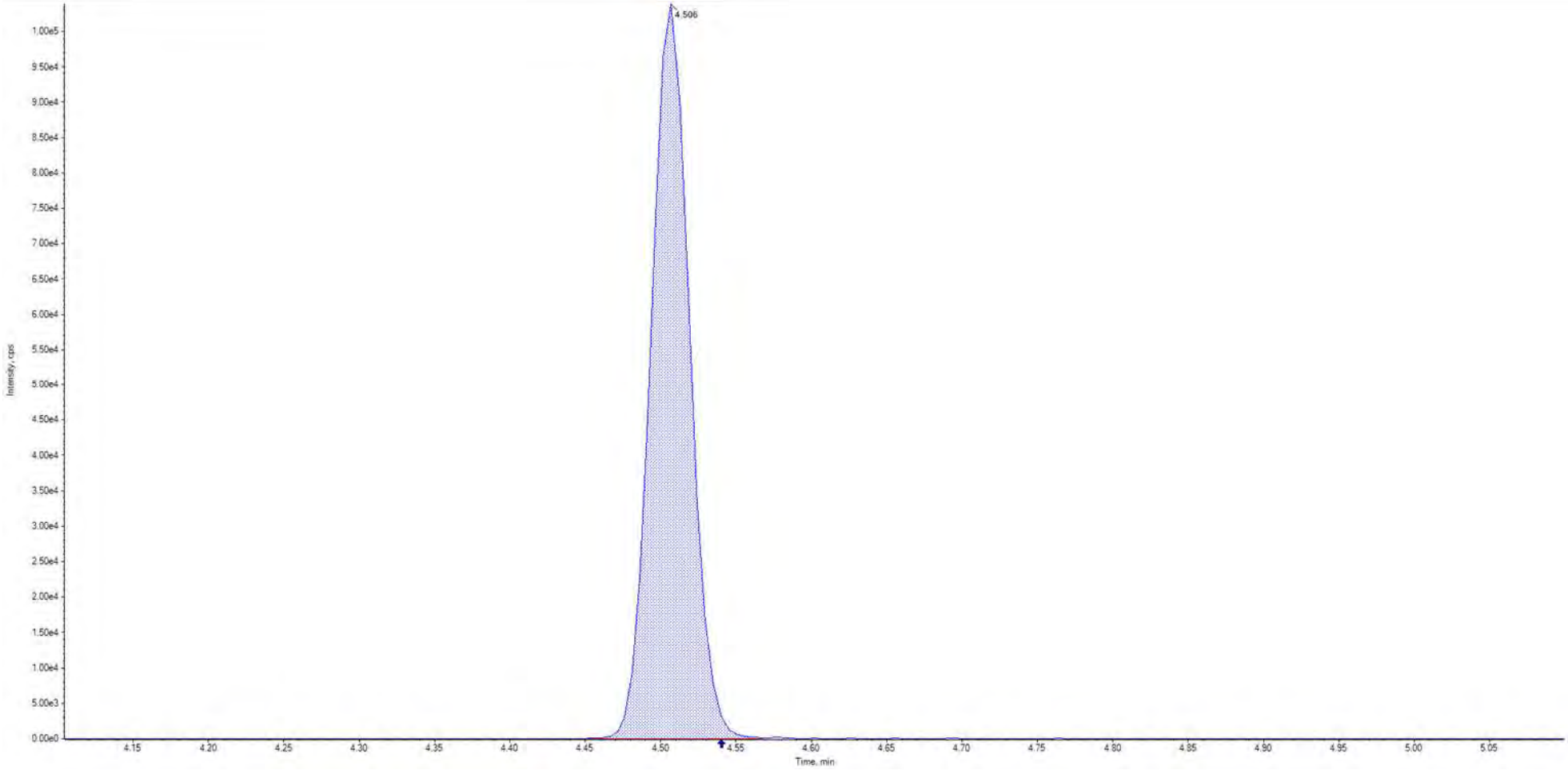
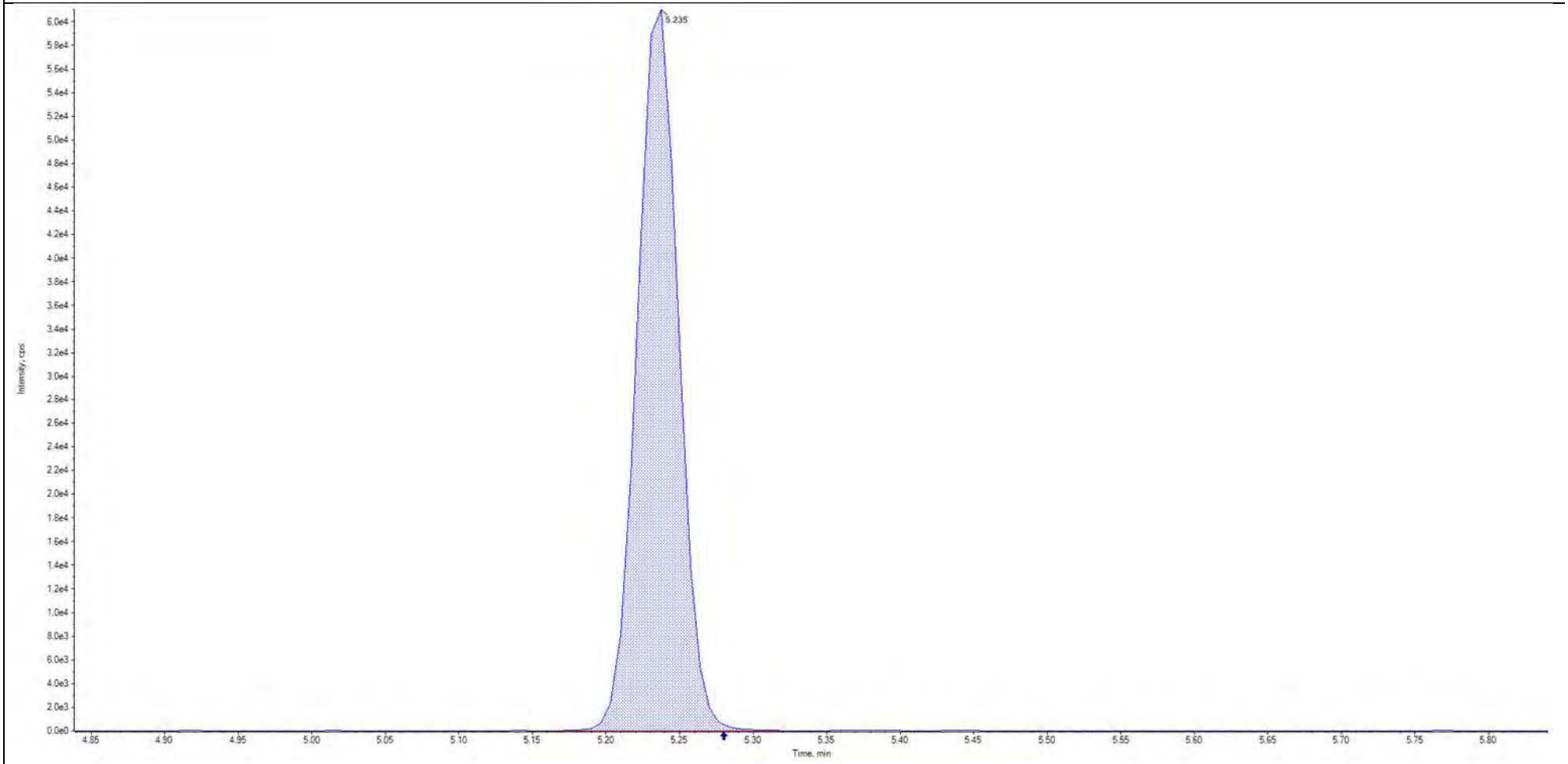


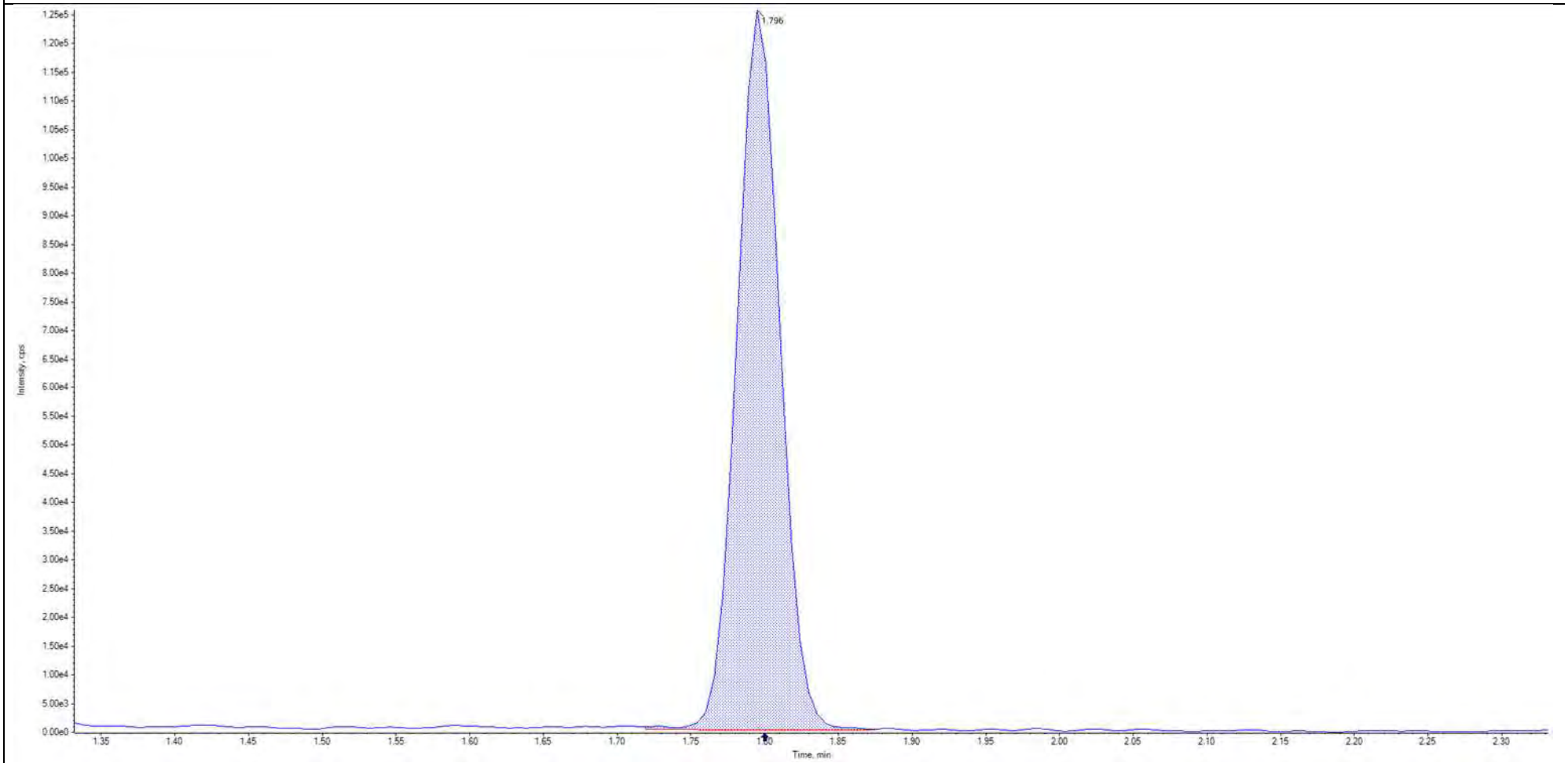
13C2-PFDoA
Sample: L2467934-09



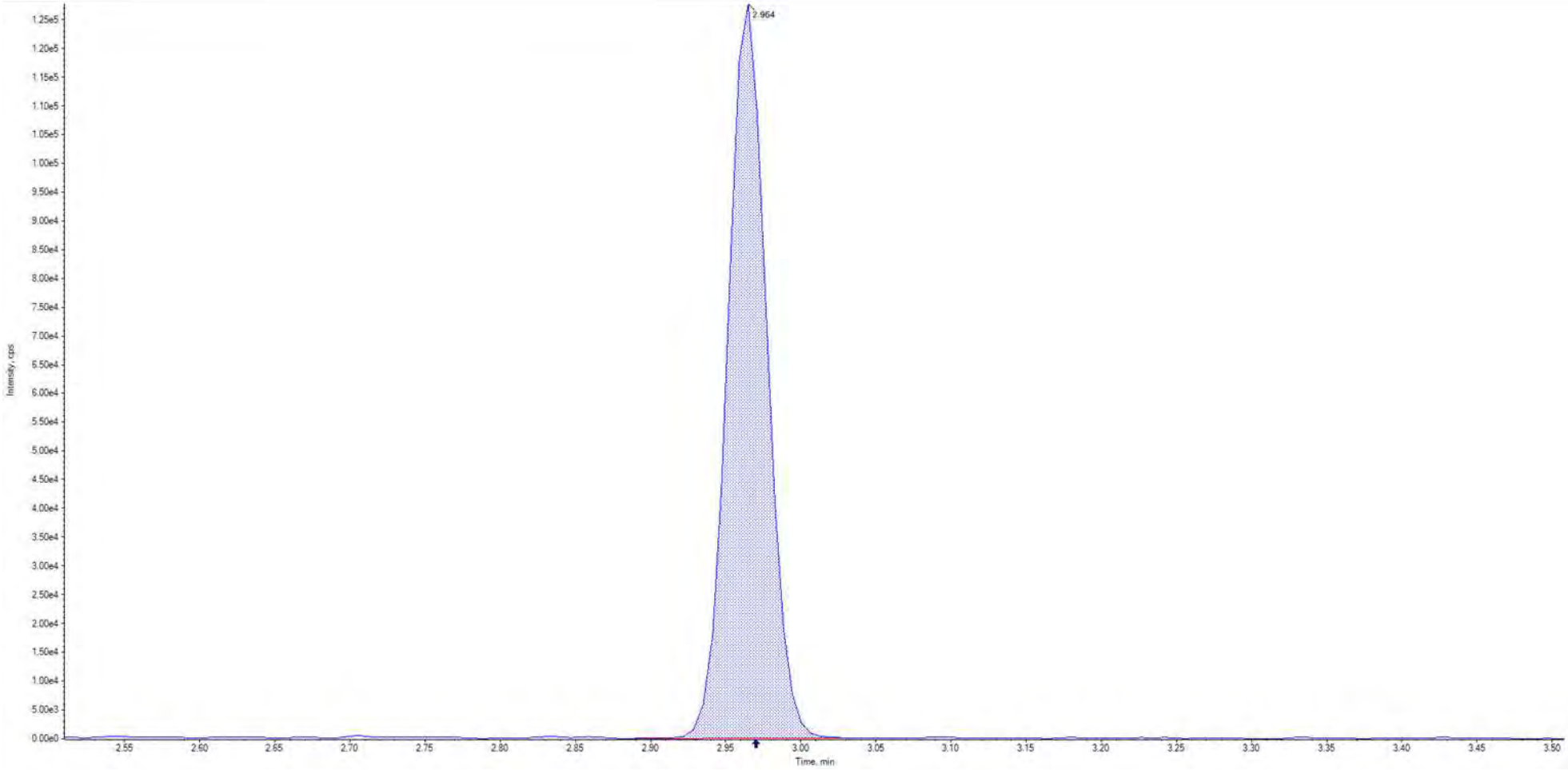
13C2-PFTeDA
Sample: L2467934-09



13C3-PFBS
Sample: L2467934-09



13C3-PFHxS
Sample: L2467934-09



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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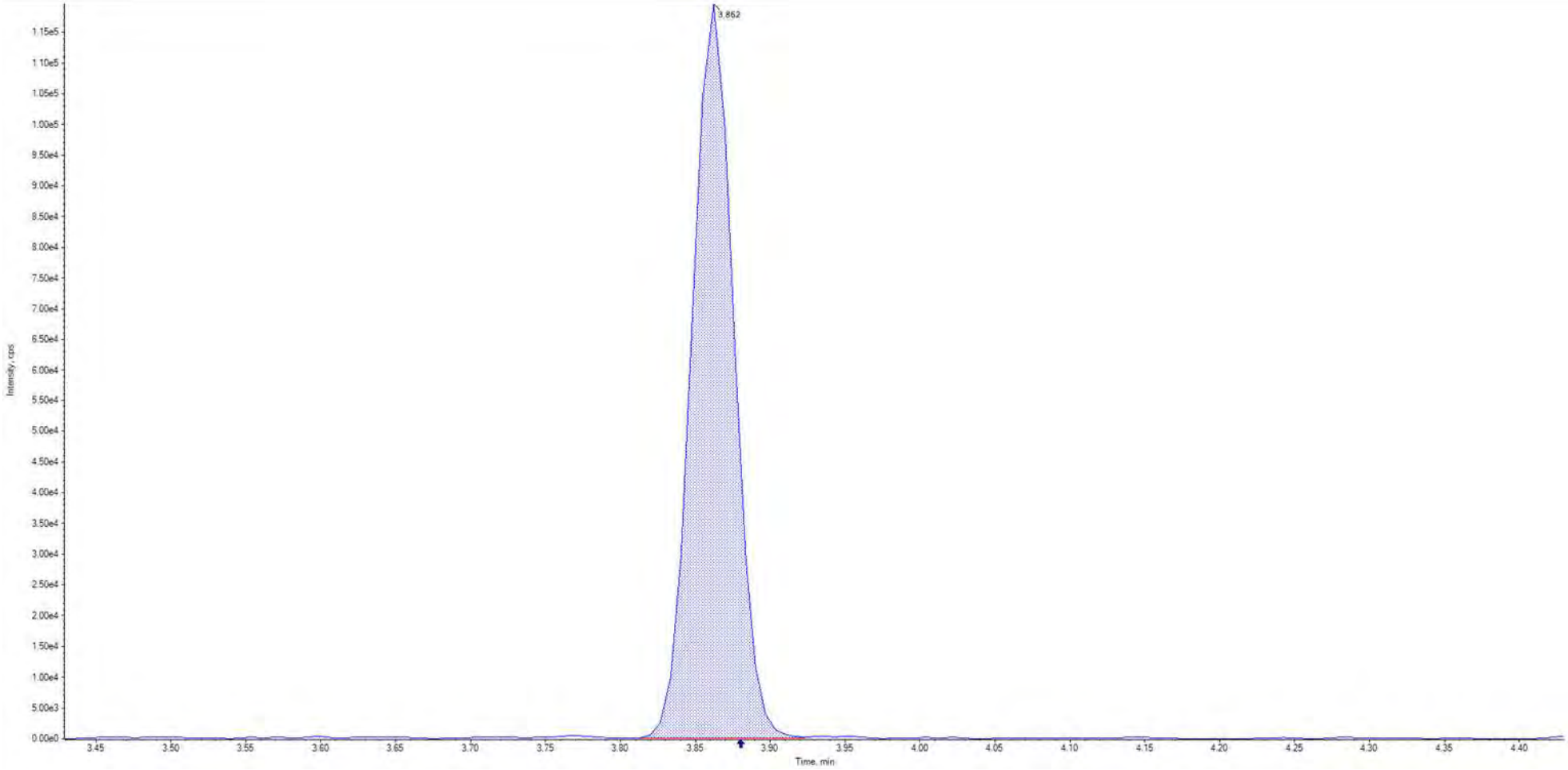
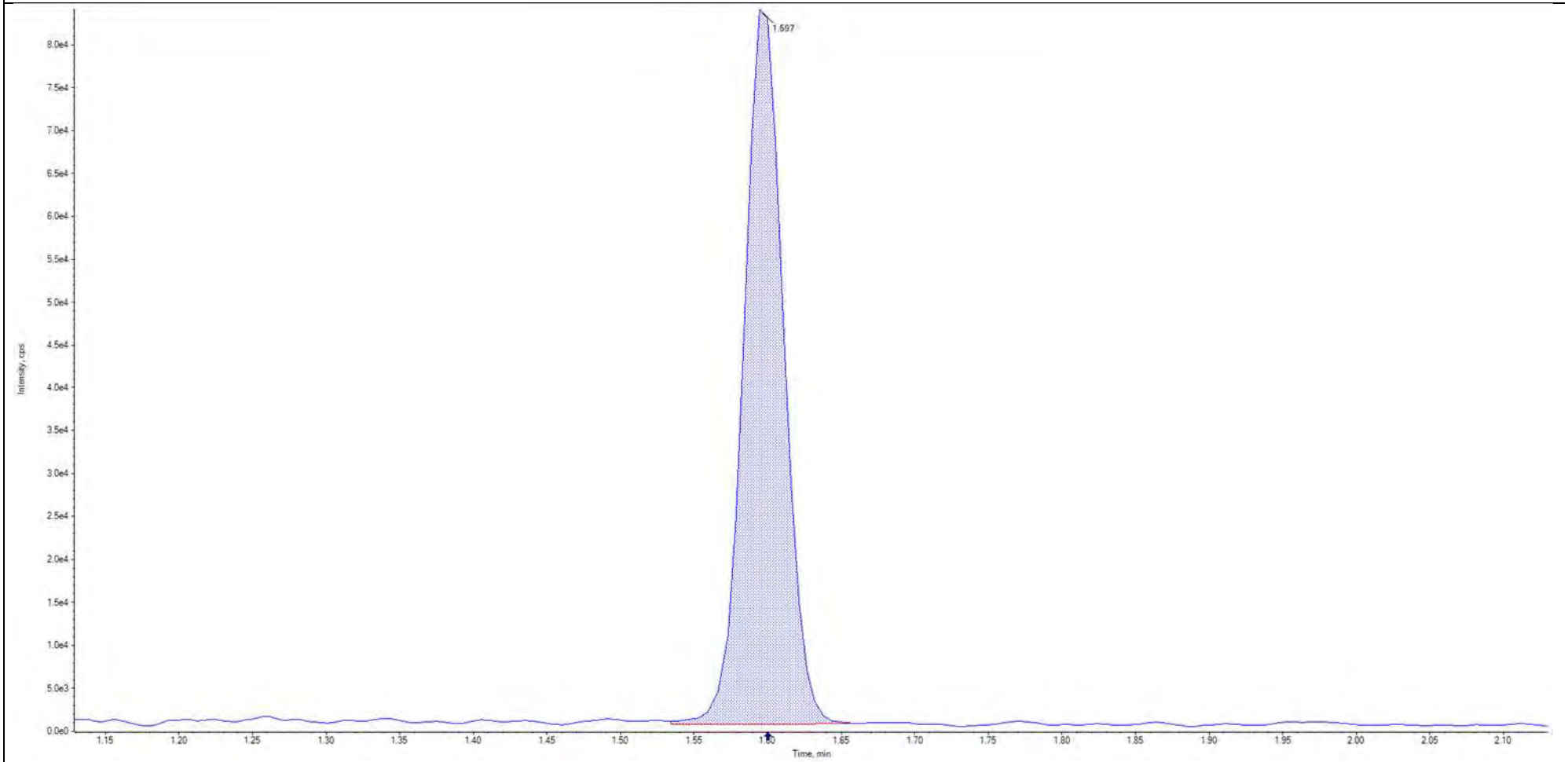
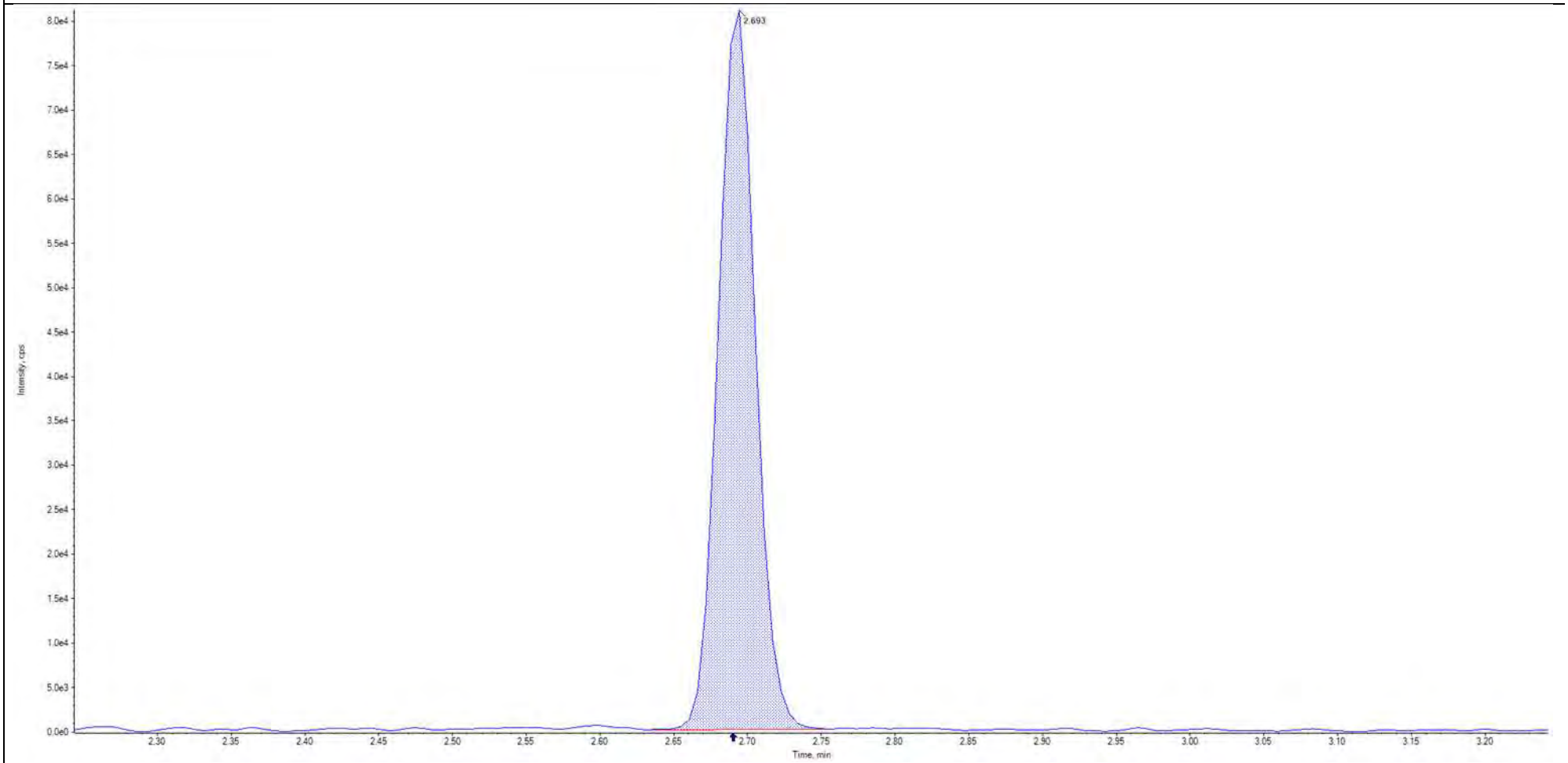
13C8-PFOS
Sample: L2467934-09



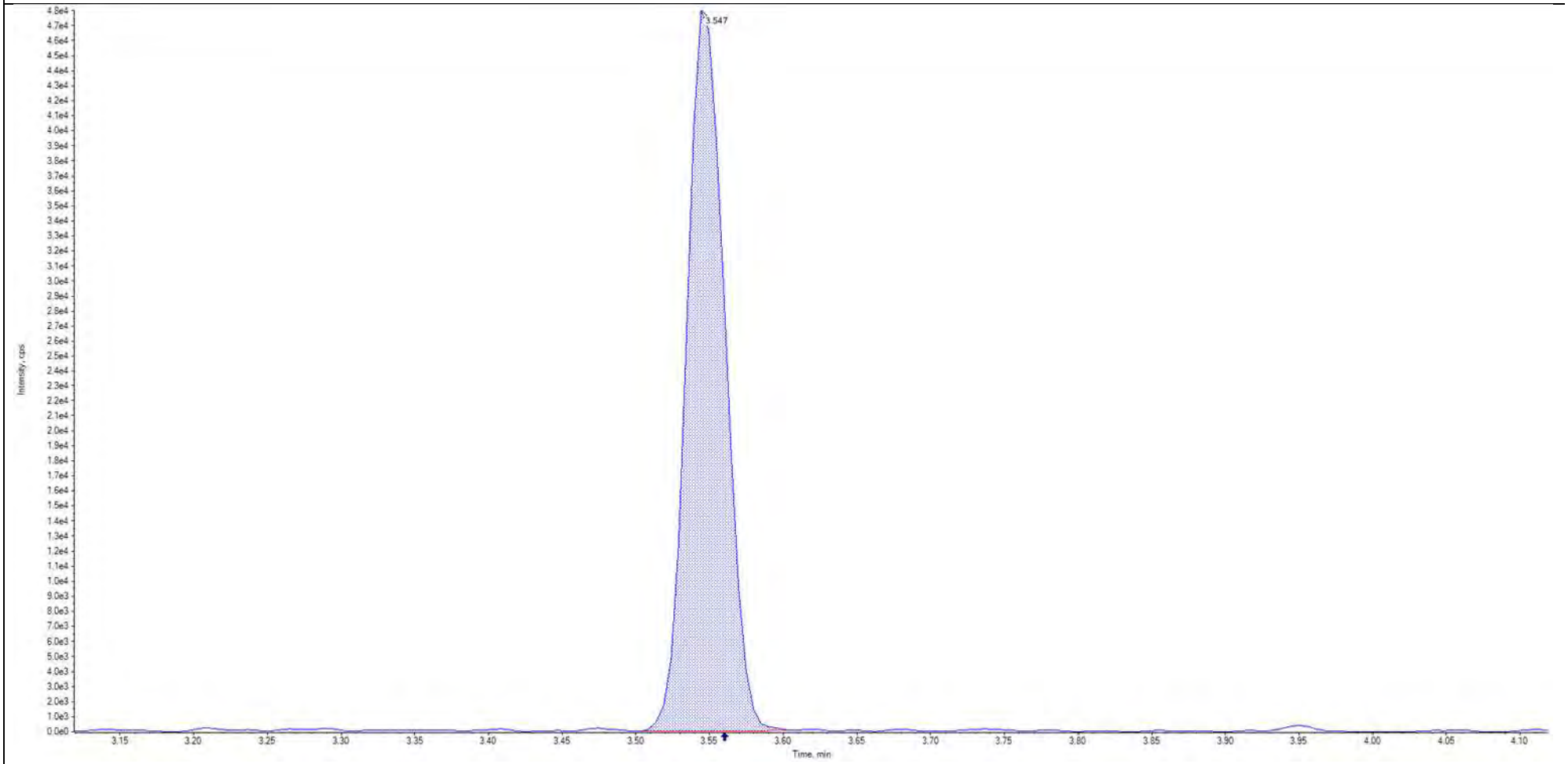
13C2-4:2FTS
Sample: L2467934-09



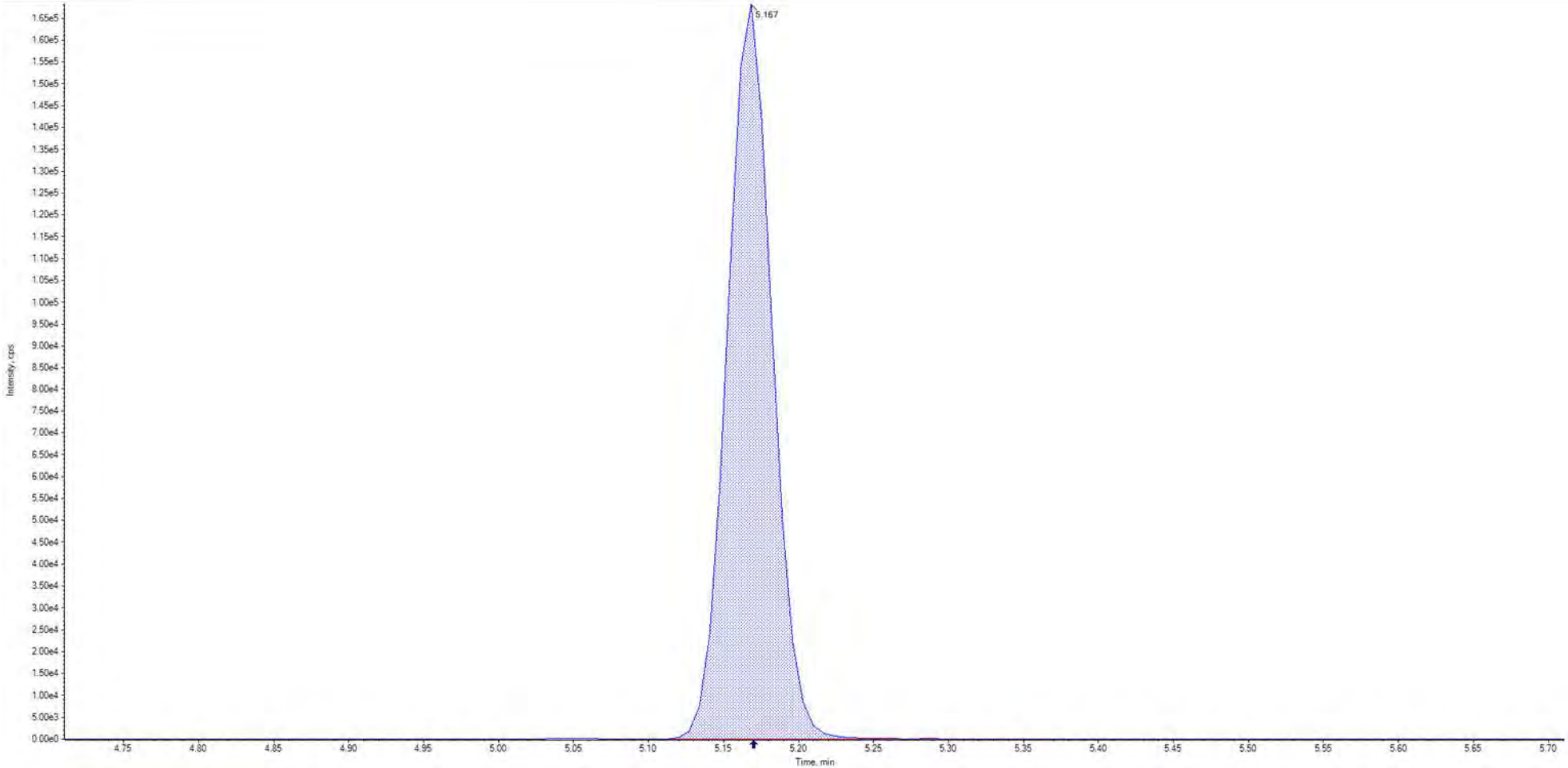
13C2-6:2FTS
Sample: L2467934-09



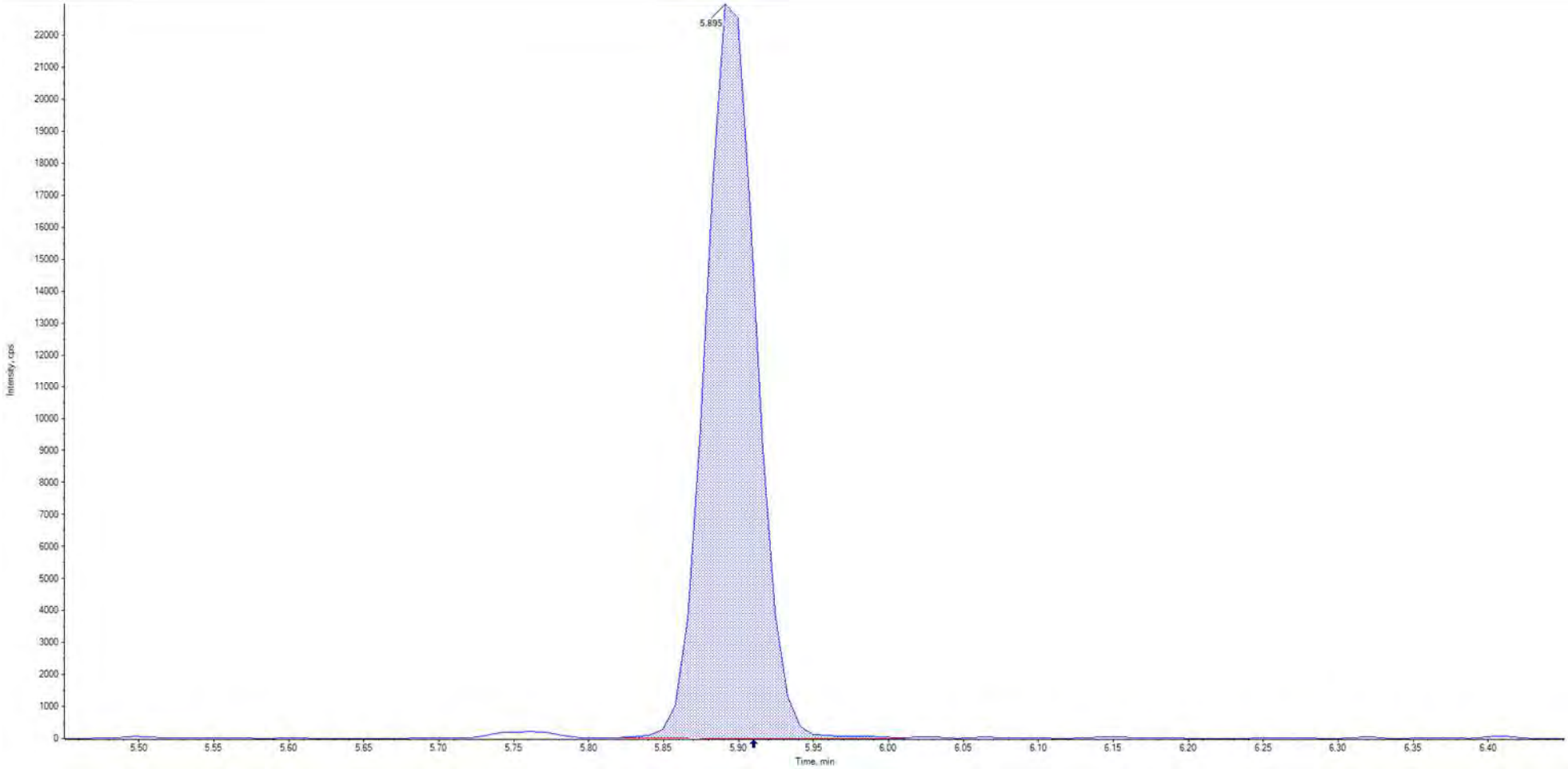
13C2-8:2FTS
Sample: L2467934-09



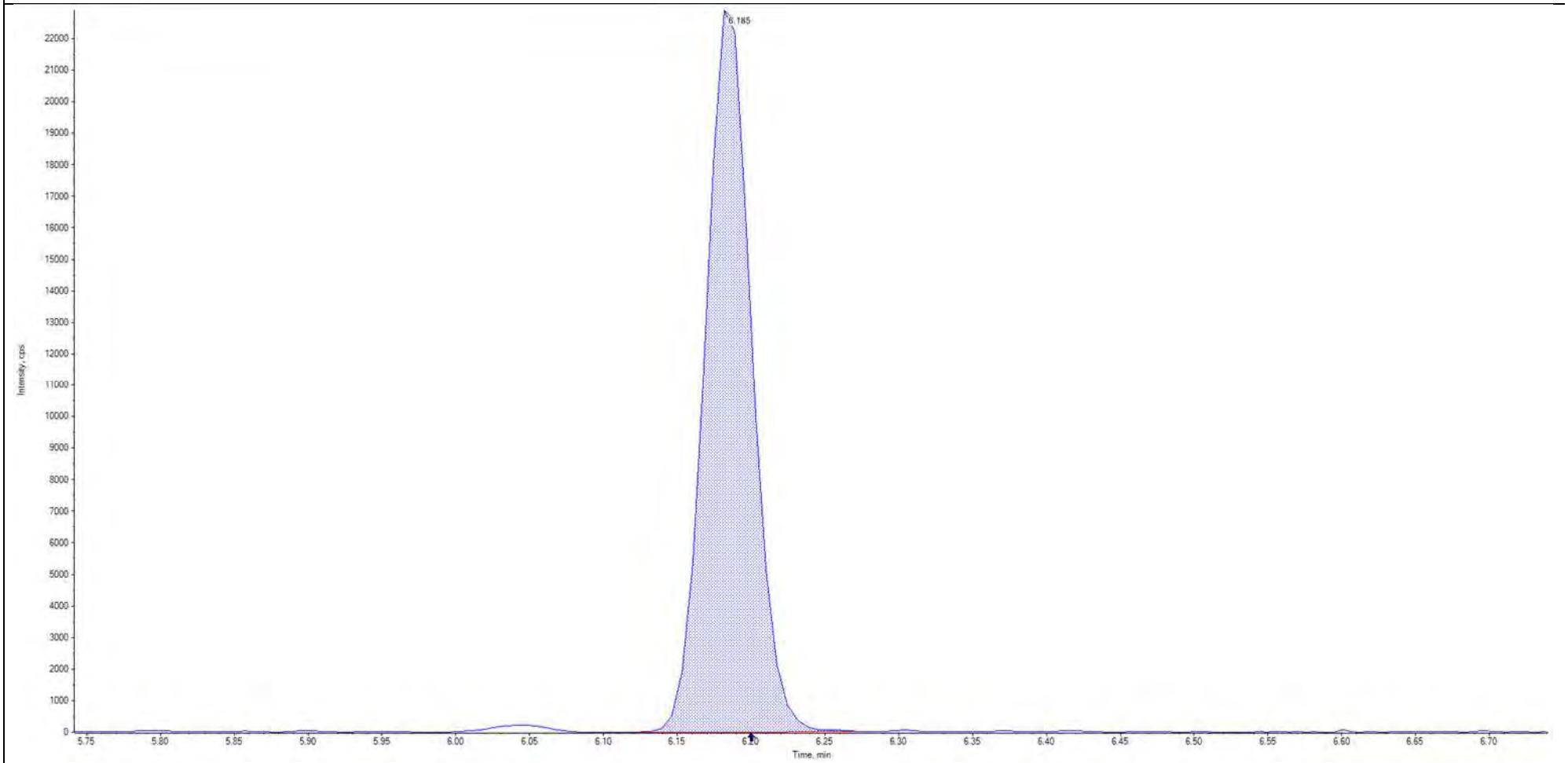
13C8-PFOSA
Sample: L2467934-09



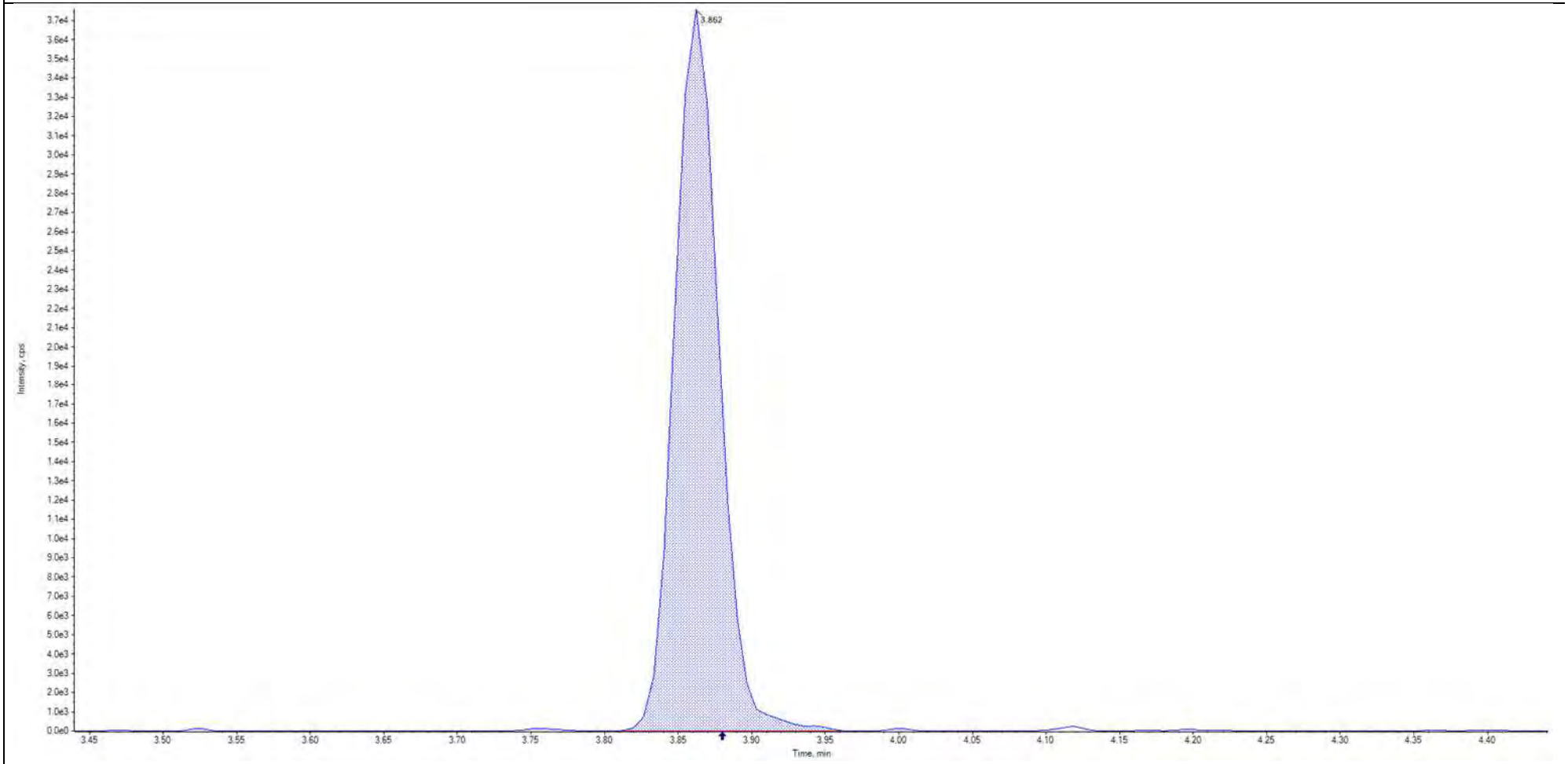
d3-NMeFOSA
Sample: L2467934-09



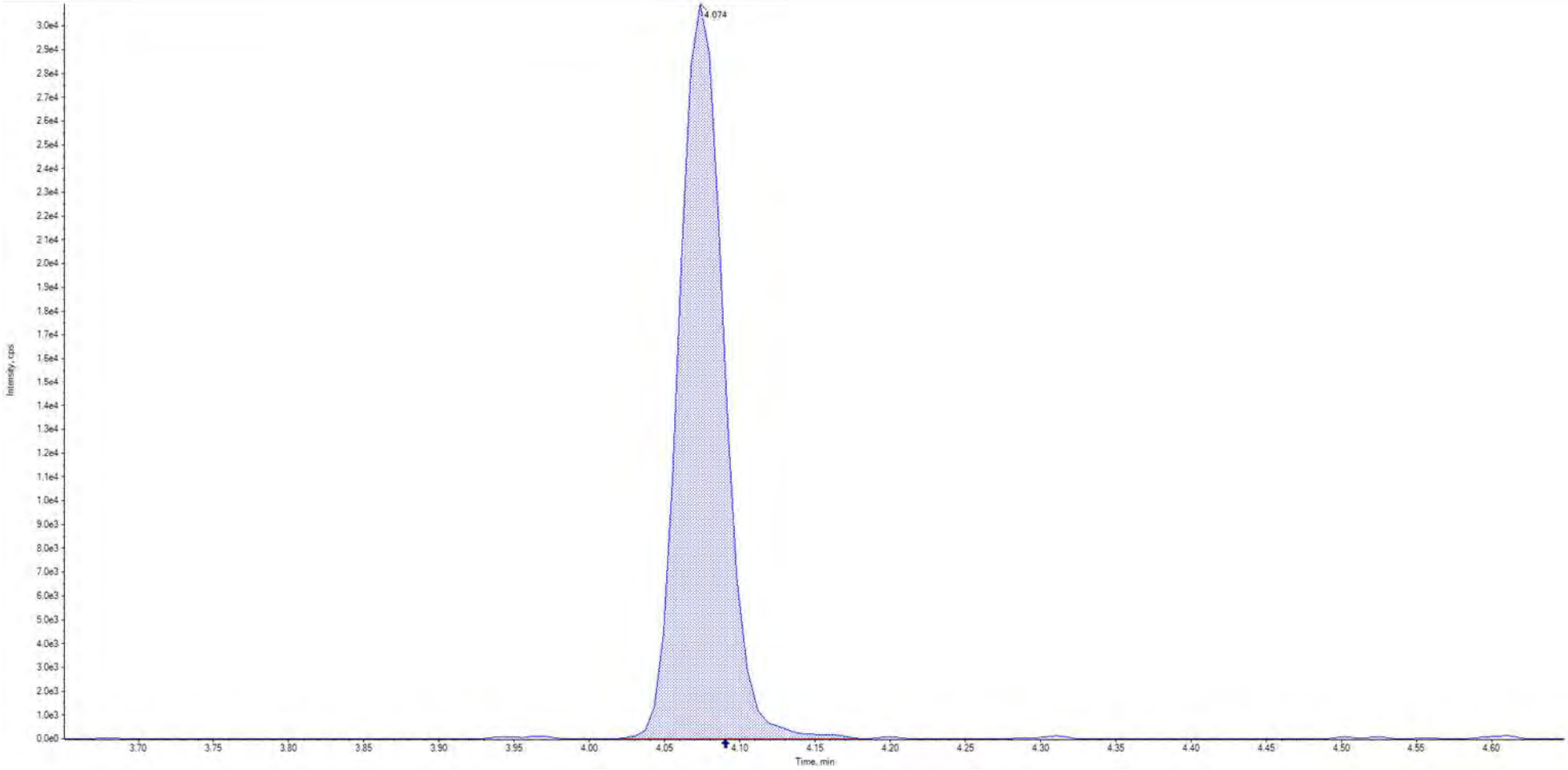
d5-NEtFOSA
Sample: L2467934-09



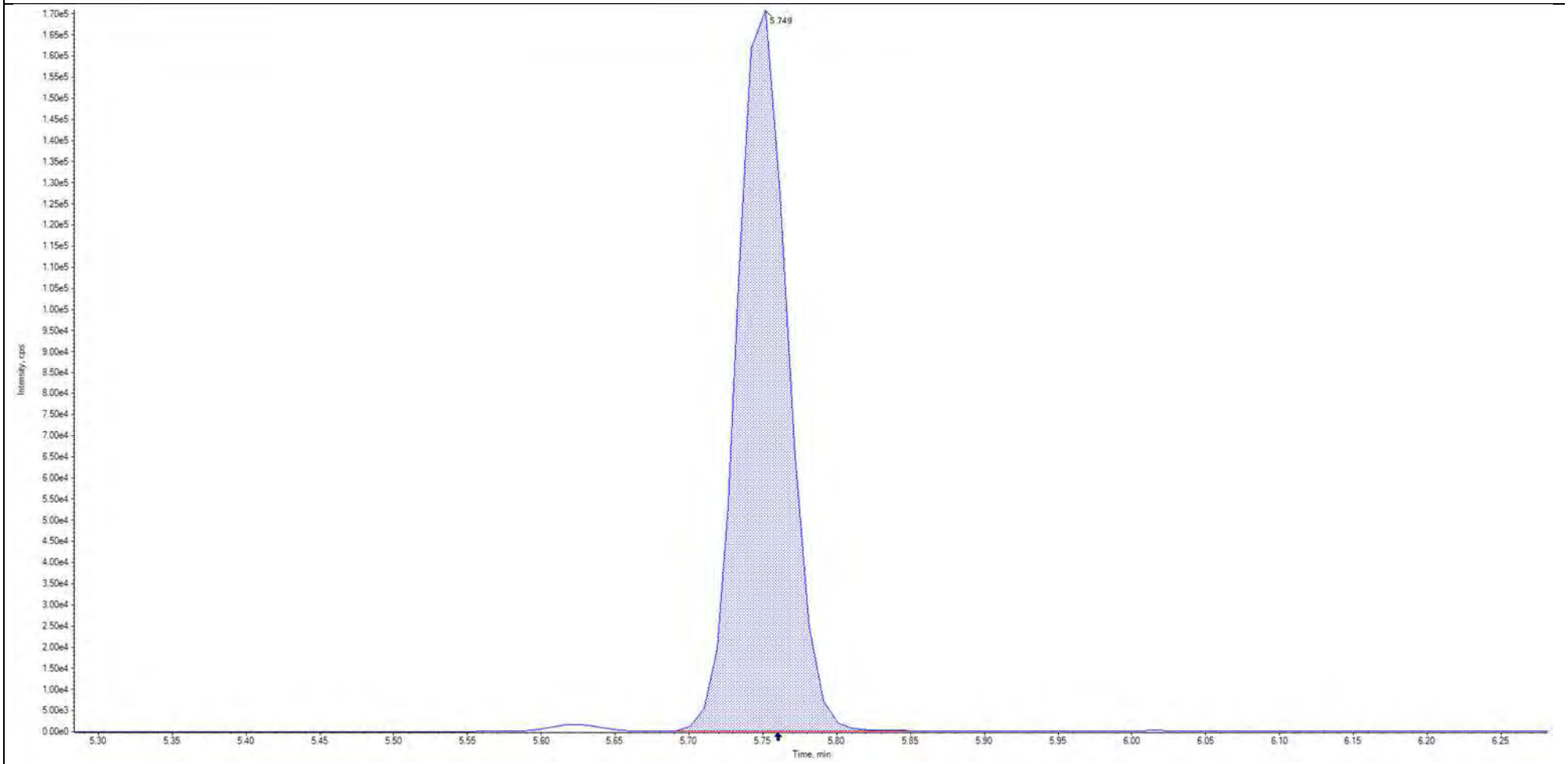
d3-NMeFOSAA
Sample: L2467934-09



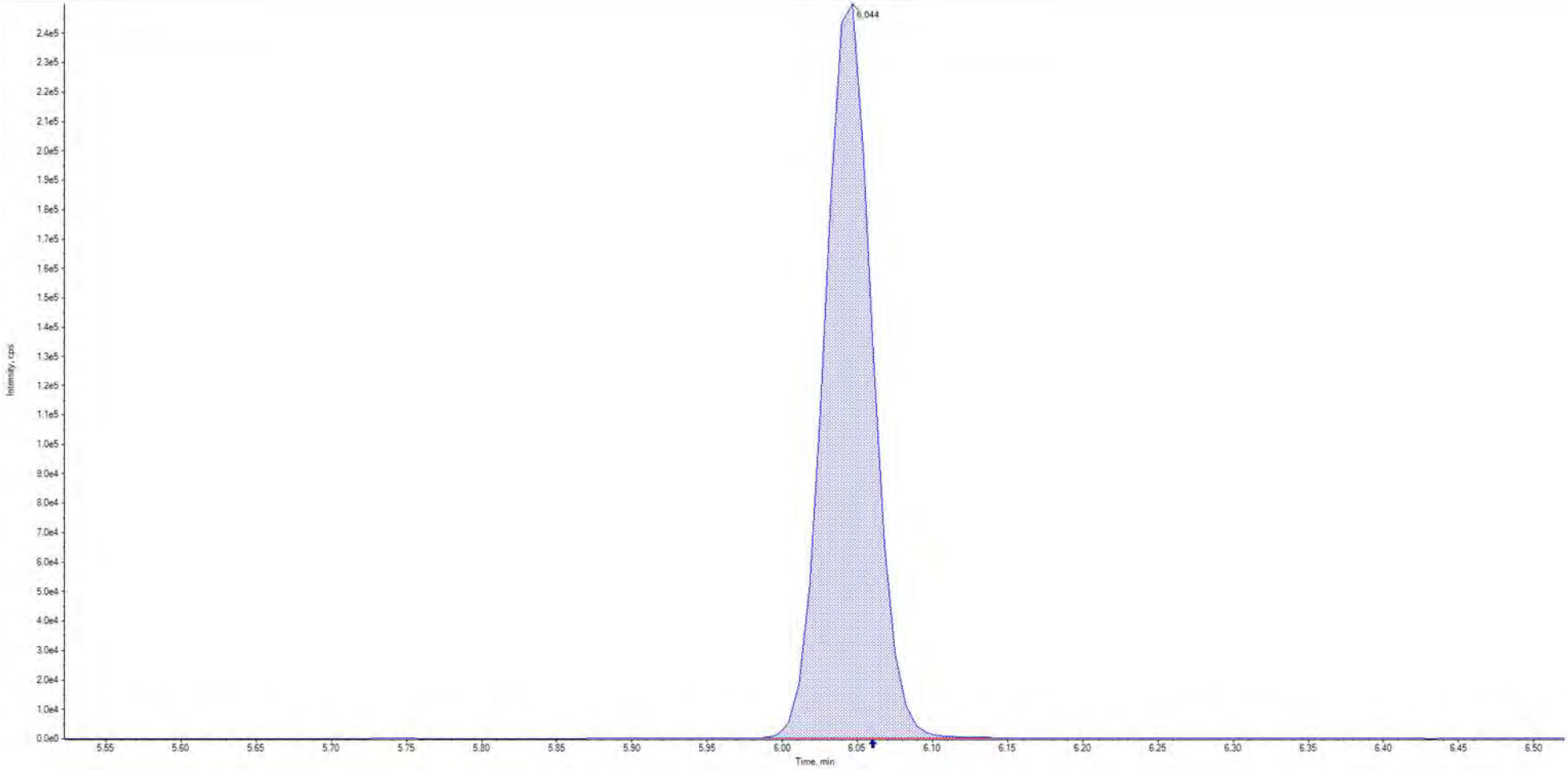
d5-NEtFOSAA
Sample: L2467934-09



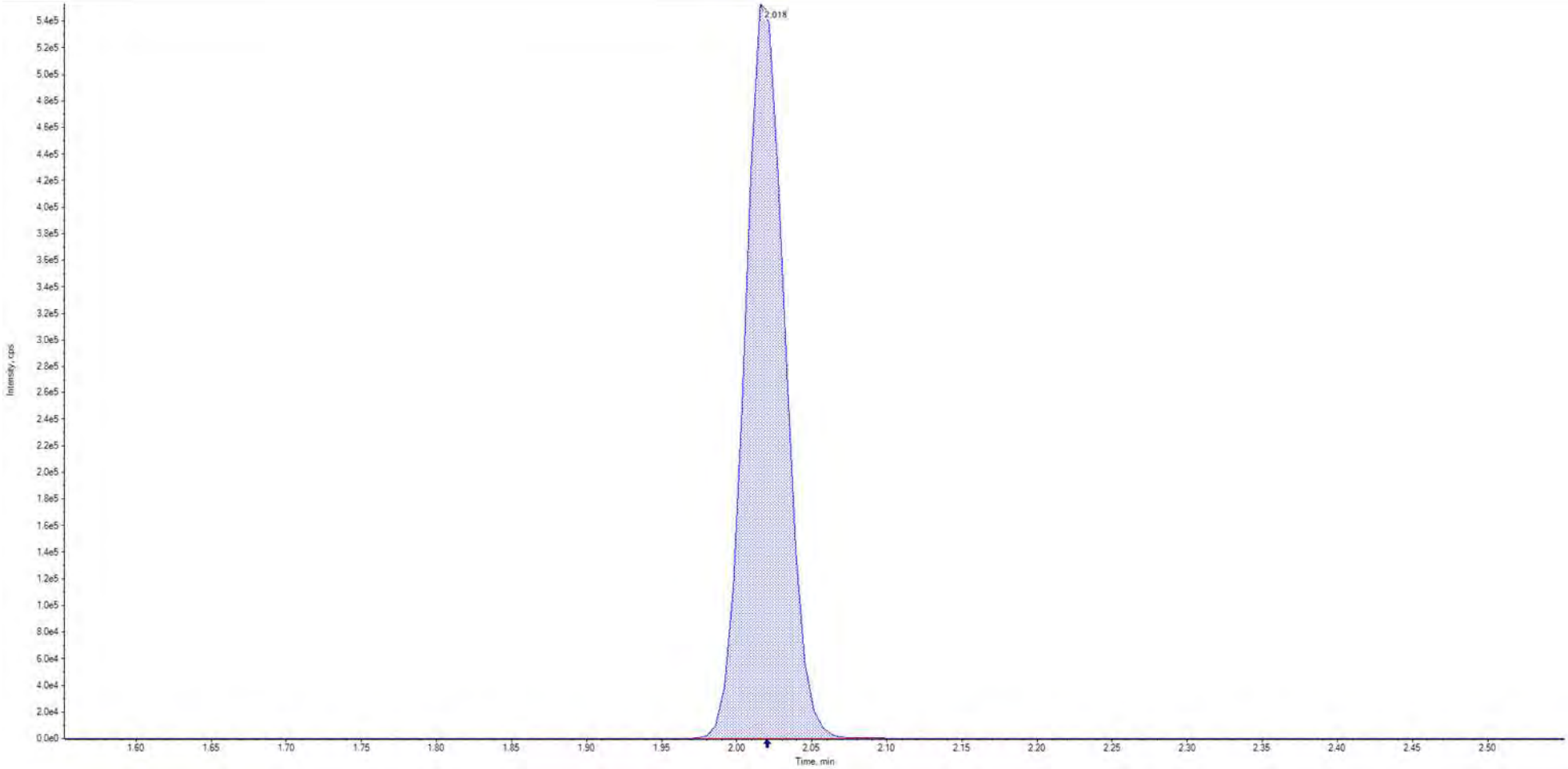
d7-NMeFOSE
Sample: L2467934-09



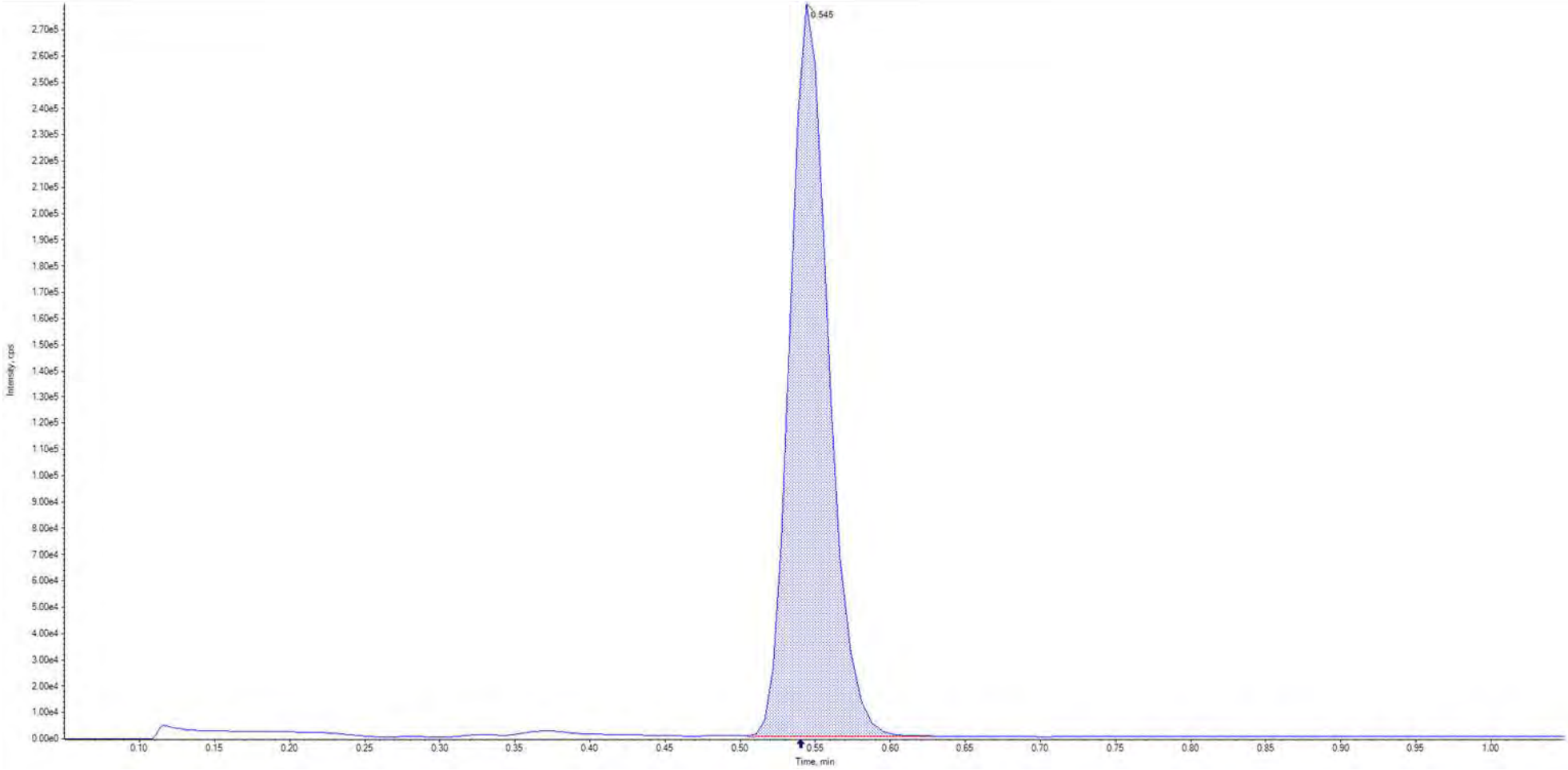
d9-NEtFOSE
Sample: L2467934-09



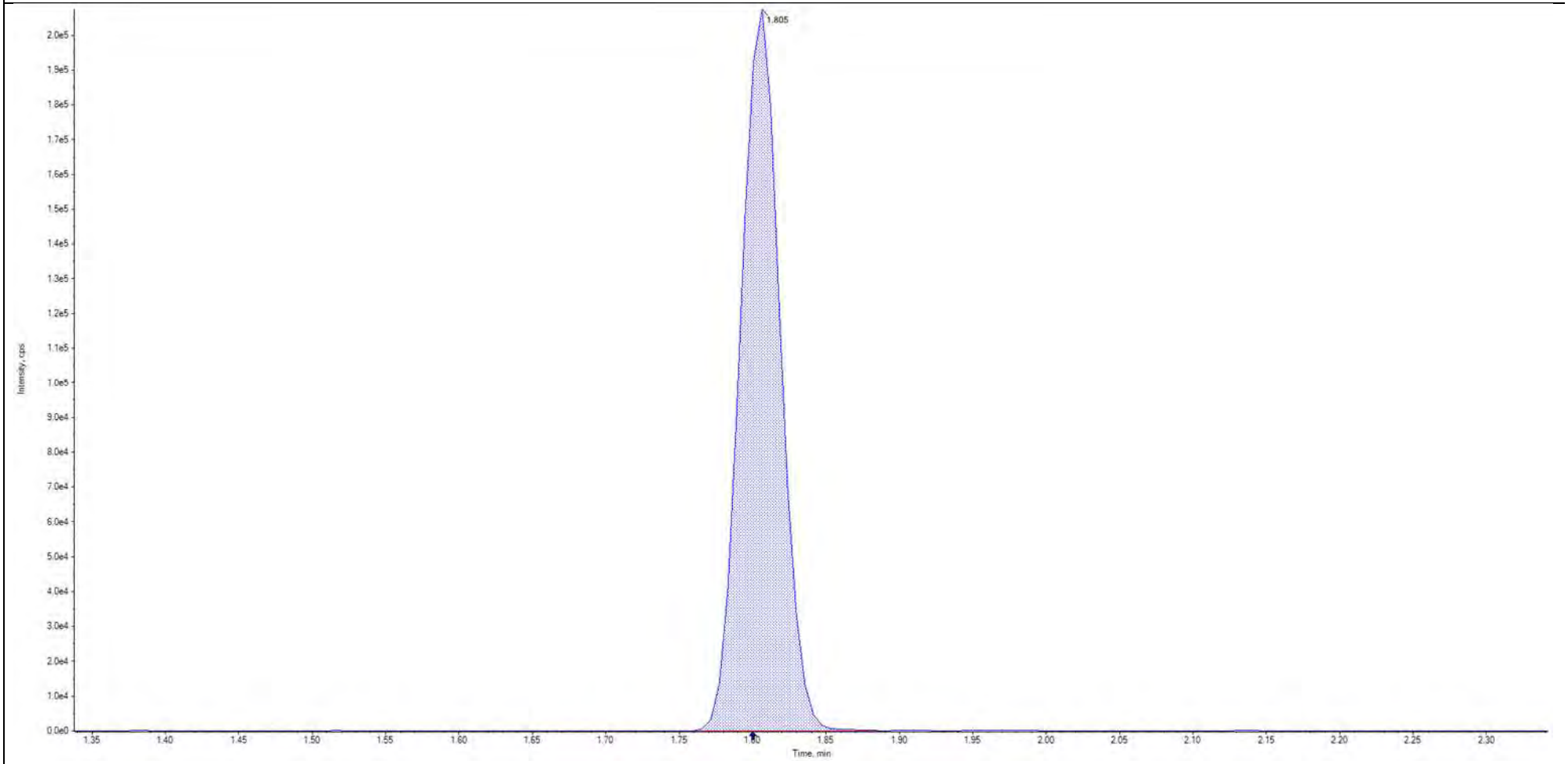
13C3-HFPO-DA
Sample: L2467934-09



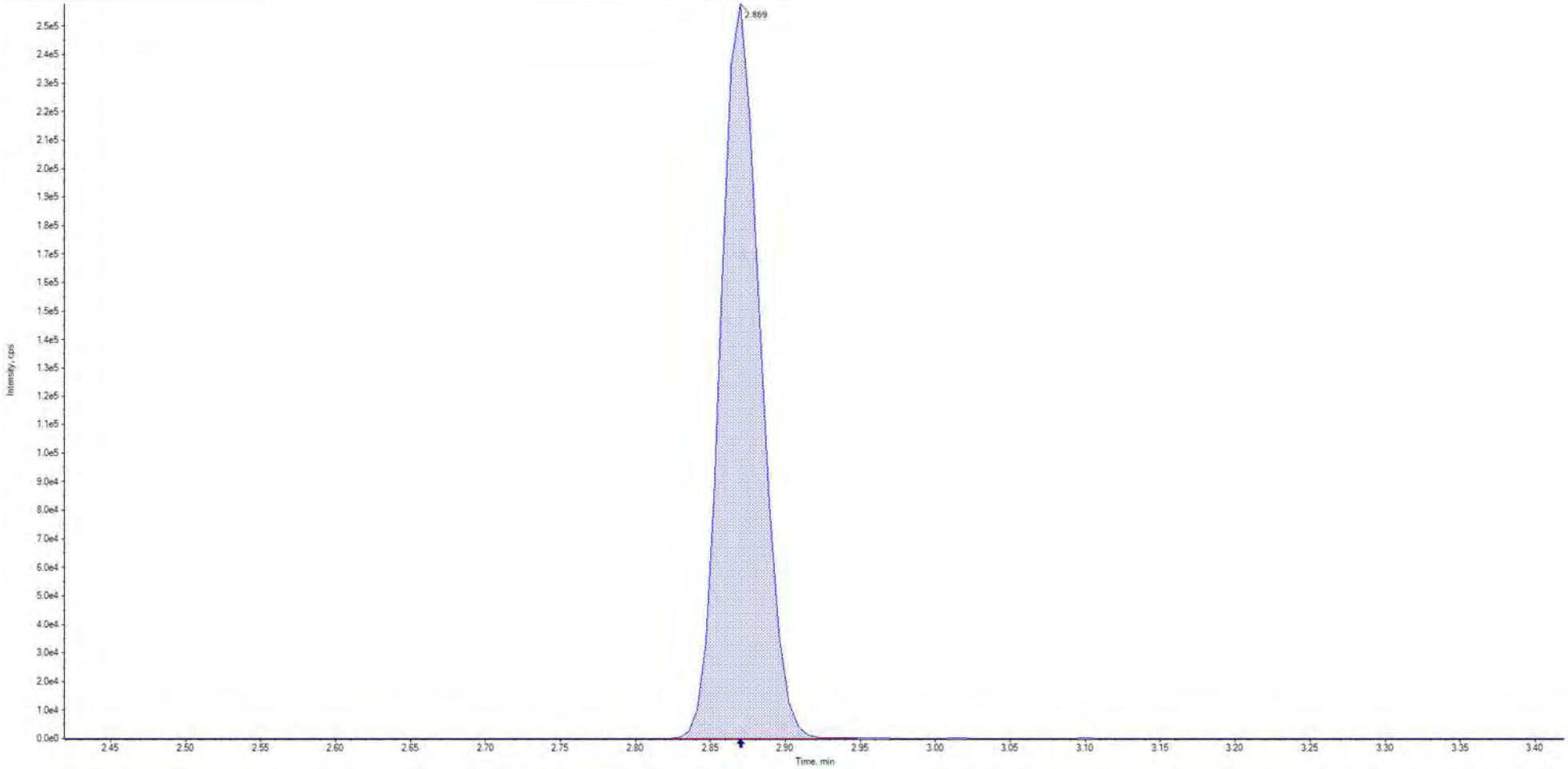
13C3-PFBA
Sample: L2467934-09



13C2-PFHxA
Sample: L2467934-09



13C4-PFOA
Sample: L2467934-09



13C5-PFNA
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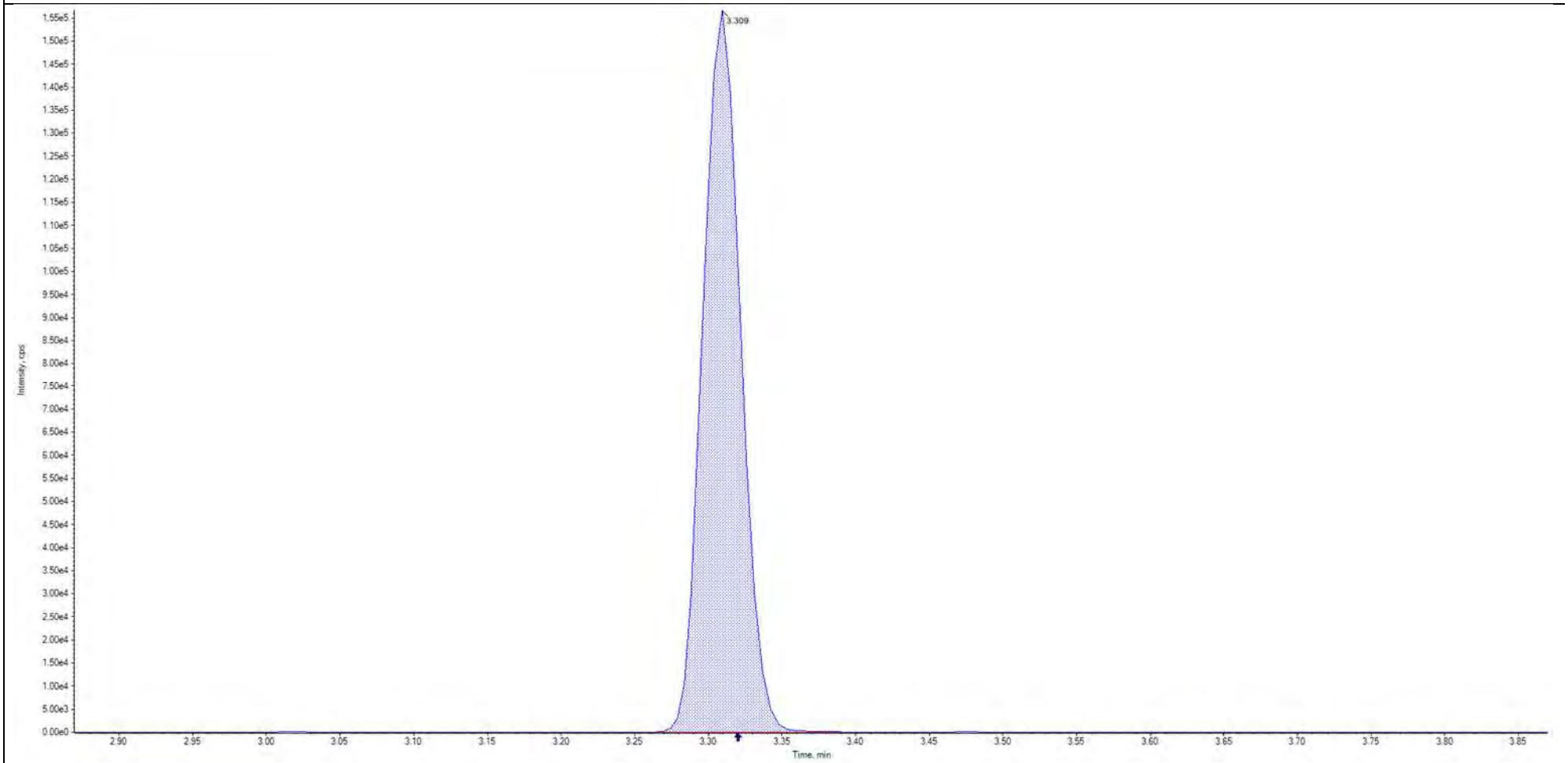
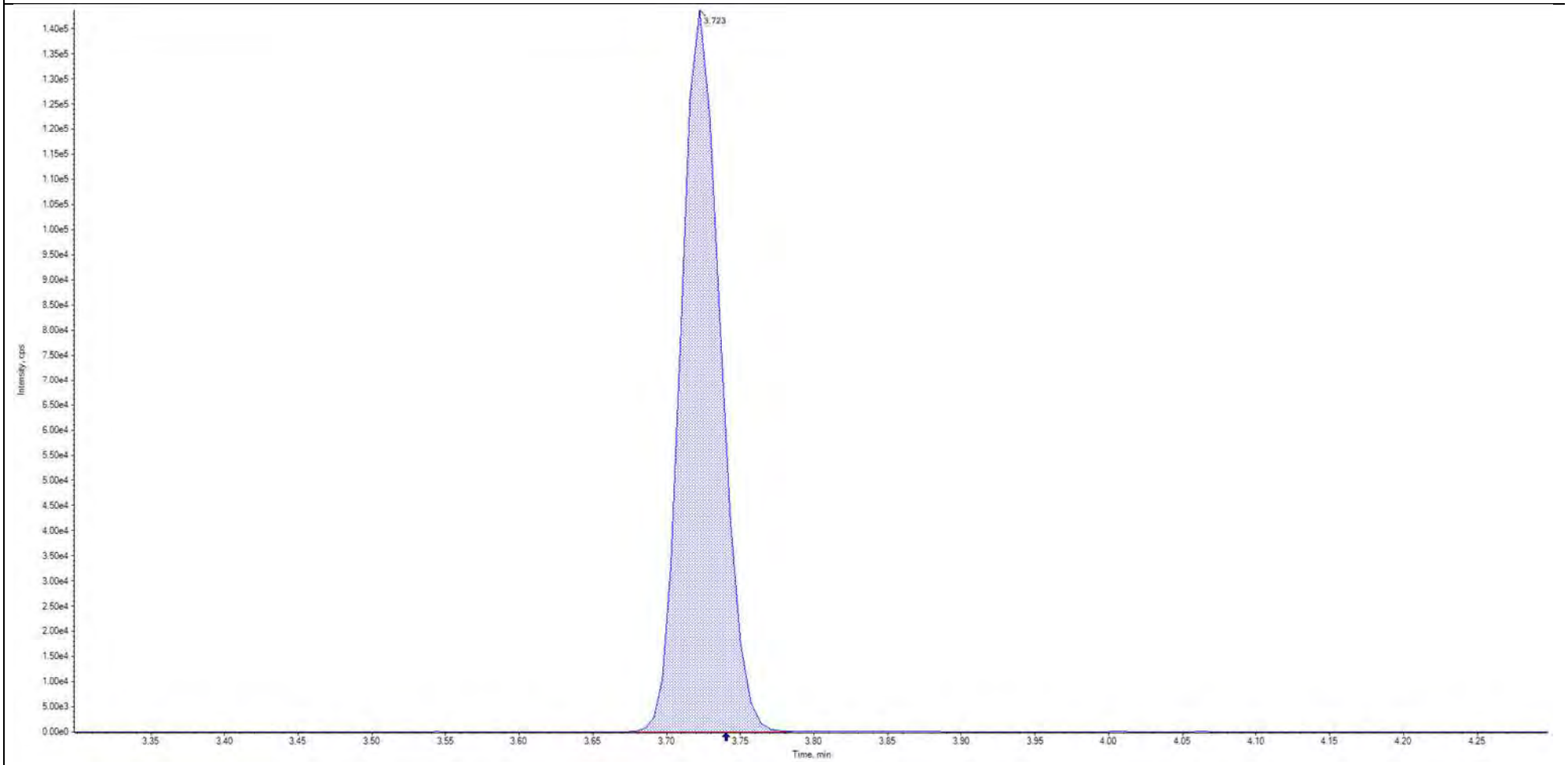
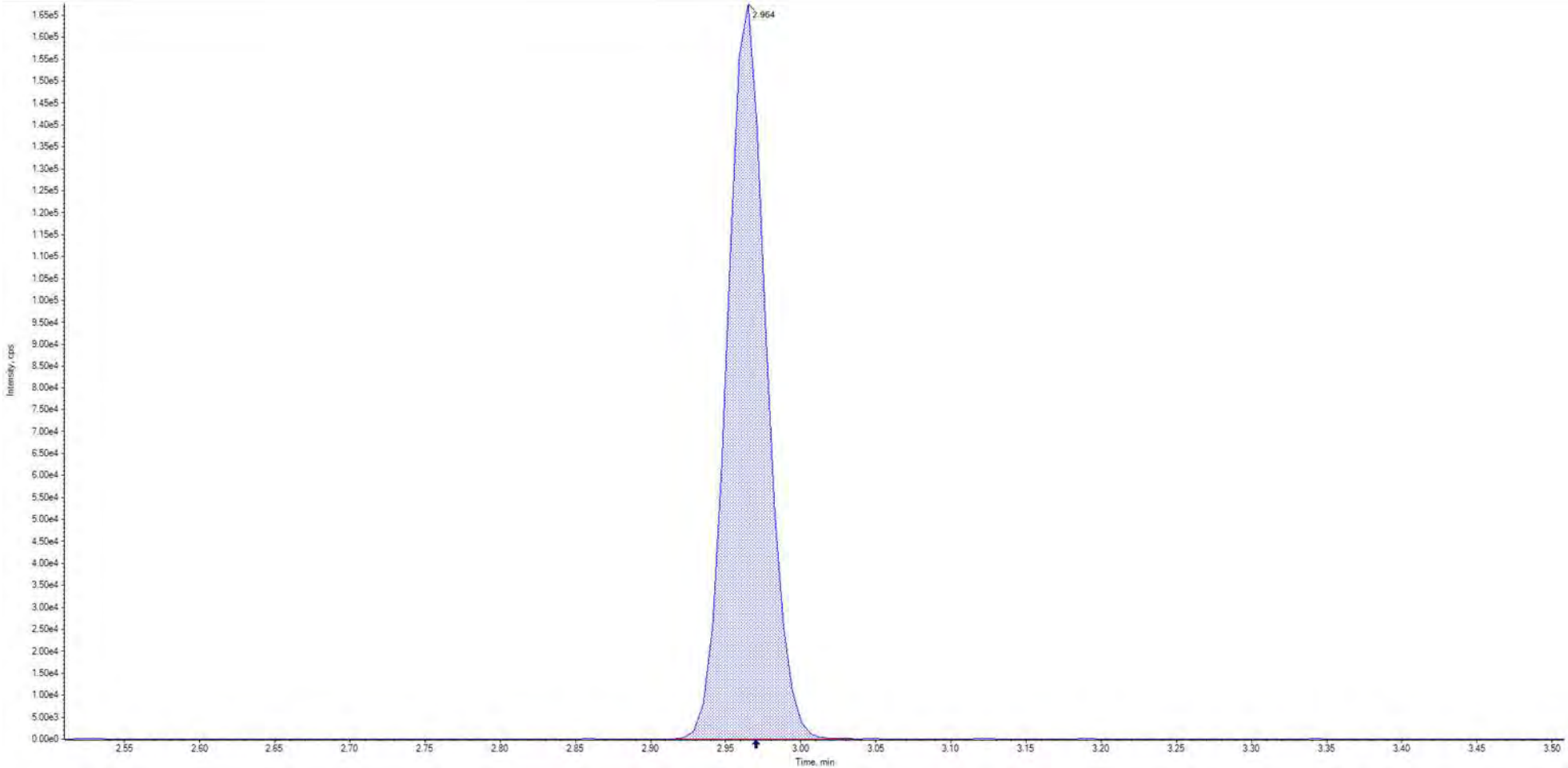


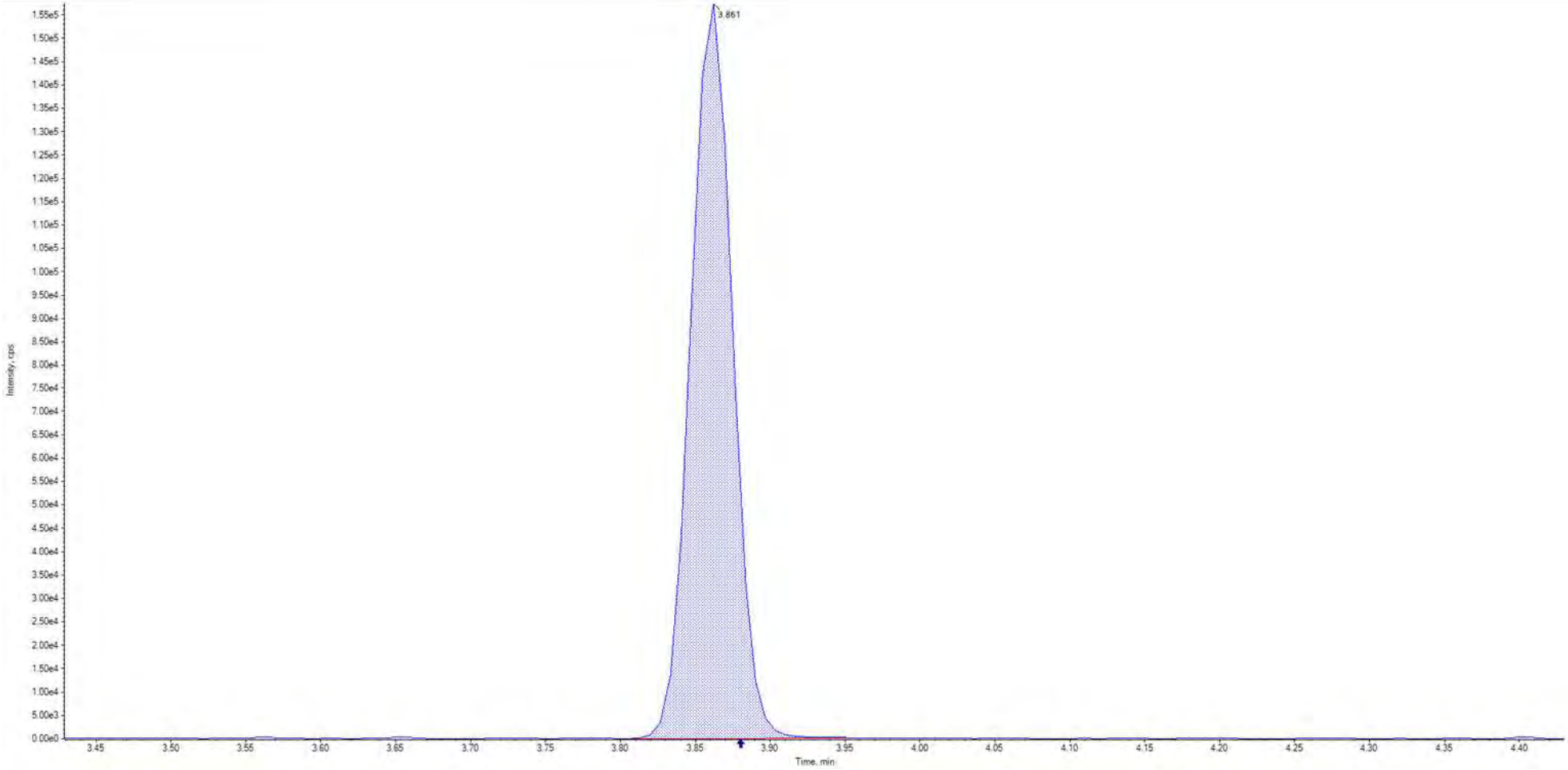
13C2-PFDA
Sample: L2467934-09



18O2-PFHxS
Sample: L2467934-09



13C4-PFOS
Sample: L2467934-09



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Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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Method: EPA1633F.qmethod
Calibration: 241112_1633_ICAL

ID: L2467934-10
Name: SCI09_241223_29.wiff2
Date & Time: 2024-12-23T23:50:30
Description: WG2012688,WG2012727,ICAL21696
Instrument: SCIEX Triple Quad 5500+
User: LCMS09:JW

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	N/A	213.0 / 169.0	N/A		N/A	N/A	N/A	N/A	N/A
2	PFPeA	2706-90-3	N/A	263.0 / 219.0	N/A		N/A	N/A	N/A	N/A	N/A
3	PFPeA_2	2706-90-3	N/A	263.0 / 68.9	N/A		N/A	N/A	N/A	N/A	N/A
4	PFHxA	307-24-4	N/A	313.0 / 269.0	N/A		N/A	N/A	0.089	N/A	N/A
5	PFHxA_2	307-24-4	N/A	313.0 / 119.0	N/A		N/A	N/A	0.089	N/A	N/A
6	PFHpA	375-85-9	N/A	363.1 / 319.0	N/A		N/A	N/A	0.384	N/A	N/A
7	PFHpA_2	375-85-9	N/A	363.1 / 169.0	N/A		N/A	N/A	0.384	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	N/A	413.1 / 369.1	N/A		N/A	N/A	0.410	N/A	N/A
9	PFOA_2	335-67-1	N/A	413.1 / 169.0	N/A		N/A	N/A	0.410	N/A	N/A
10	PFNA	375-95-1	N/A	462.8 / 418.9	N/A		N/A	N/A	0.341	N/A	N/A
11	PFNA_2	375-95-1	N/A	462.8 / 219.0	N/A		N/A	N/A	0.341	N/A	N/A
12	PFDA	335-76-2	N/A	513.1 / 469.1	N/A		N/A	N/A	0.215	N/A	N/A
13	PFDA_2	335-76-2	N/A	513.1 / 219.0	N/A		N/A	N/A	0.215	N/A	N/A
14	PFUnA	2058-94-8	N/A	563.1 / 519.1	N/A		N/A	N/A	0.151	N/A	N/A
15	PFUnA_2	2058-94-8	N/A	563.1 / 269.0	N/A		N/A	N/A	0.151	N/A	N/A
16	PFDoA	307-55-1	N/A	613.1 / 569.1	N/A		N/A	N/A	0.140	N/A	N/A
17	PFDoA_2	307-55-1	N/A	613.1 / 319.0	N/A		N/A	N/A	0.140	N/A	N/A
18	PFTrDA	72629-94-8	N/A	663.1 / 619.1	N/A		N/A	N/A	0.159	N/A	N/A
19	PFTrDA_2	72629-94-8	N/A	663.1 / 169.0	N/A		N/A	N/A	0.159	N/A	N/A
20	PFTeDA	376-06-7	N/A	713.1 / 669.1	N/A		N/A	N/A	0.159	N/A	N/A
21	PFTeDA_2	376-06-7	N/A	713.1 / 169.0	N/A		N/A	N/A	0.159	N/A	N/A
22	PFBS	375-73-5	N/A	299.1 / 80.1	N/A		N/A	N/A	0.398	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	N/A	299.1 / 99.1	N/A		N/A	N/A	0.398	N/A	N/A
24	PFPeS	2706-91-4	N/A	349.1 / 80.1	N/A		N/A	N/A	0.285	N/A	N/A
25	PFPeS_2	2706-91-4	N/A	349.1 / 99.1	N/A		N/A	N/A	0.285	N/A	N/A
26	PFHxS	355-46-4	N/A	399.1 / 80.1	N/A		N/A	N/A	0.293	N/A	N/A
27	PFHxS_2	355-46-4	N/A	399.1 / 99.1	N/A		N/A	N/A	0.293	N/A	N/A
28	PFHpS	375-92-8	N/A	449.1 / 80.1	N/A		N/A	N/A	0.308	N/A	N/A
29	PFHpS_2	375-92-8	N/A	449.1 / 99.1	N/A		N/A	N/A	0.308	N/A	N/A
30	PFOS	1763-23-1	N/A	499.1 / 80.1	N/A		N/A	N/A	0.241	N/A	N/A
31	PFOS_2	1763-23-1	N/A	499.1 / 99.1	N/A		N/A	N/A	0.241	N/A	N/A
32	PFNS	68259-12-1	N/A	549.1 / 80.1	N/A		N/A	N/A	0.299	N/A	N/A
33	PFNS_2	68259-12-1	N/A	549.1 / 99.1	N/A		N/A	N/A	0.299	N/A	N/A
34	PFDS	335-77-3	N/A	599.1 / 80.1	N/A		N/A	N/A	0.274	N/A	N/A
35	PFDS_2	335-77-3	N/A	599.1 / 99.1	N/A		N/A	N/A	0.274	N/A	N/A
36	PFDoS	79780-39-5	N/A	699.2 / 80.1	N/A		N/A	N/A	0.247	N/A	N/A
37	PFDoS_2	79780-39-5	N/A	699.2 / 99.1	N/A		N/A	N/A	0.247	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	N/A	327.1 / 307.1	N/A		N/A	N/A	0.634	N/A	N/A
39	4:2FTS_2	757124-72-4	N/A	327.1 / 81.1	N/A		N/A	N/A	0.634	N/A	N/A
40	6:2FTS	27619-97-2	N/A	427.2 / 407.2	N/A		N/A	N/A	0.609	N/A	N/A
41	6:2FTS_2	27619-97-2	N/A	427.2 / 81.1	N/A		N/A	N/A	0.609	N/A	N/A
42	8:2FTS	39108-34-4	N/A	527.2 / 507.2	N/A		N/A	N/A	0.681	N/A	N/A
43	8:2FTS_2	39108-34-4	N/A	527.2 / 81.1	N/A		N/A	N/A	0.681	N/A	N/A
44	PFOSA	754-91-6	N/A	498.1 / 78.1	N/A		N/A	N/A	0.024	N/A	N/A
45	PFOSA_2	754-91-6	N/A	498.1 / 478.0	N/A		N/A	N/A	0.024	N/A	N/A
46	NMeFOSA	31506-32-8	N/A	512.2 / 219.0	N/A		N/A	N/A	1.421	N/A	N/A
47	NMeFOSA_2	31506-32-8	N/A	512.2 / 169.0	N/A		N/A	N/A	1.421	N/A	N/A
48	NEtFOSA	4151-50-2	N/A	526.2 / 219.0	N/A		N/A	N/A	1.258	N/A	N/A
49	NEtFOSA_2	4151-50-2	N/A	526.2 / 169.0	N/A		N/A	N/A	1.258	N/A	N/A
50	NMeFOSAA	2355-31-9	N/A	570.2 / 419.1	N/A		N/A	N/A	0.683	N/A	N/A
51	NMeFOSAA_2	2355-31-9	N/A	570.2 / 483.0	N/A		N/A	N/A	0.683	N/A	N/A
52	NEtFOSAA	2991-50-6	N/A	584.2 / 419.1	N/A		N/A	N/A	0.571	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	N/A	584.2 / 526.2	N/A		N/A	N/A	0.571	N/A	N/A
54	NMeFOSE	24448-09-7	N/A	616.1 / 58.9	N/A		N/A	N/A	N/A	N/A	N/A
55	NEtFOSE	1691-99-2	N/A	630.0 / 58.9	N/A		N/A	N/A	N/A	N/A	N/A
56	HFPO-DA	13252-13-6	N/A	285.0 / 169.0	N/A		N/A	N/A	0.510	N/A	N/A
57	HFPO-DA_2	13252-13-6	N/A	285.0 / 184.9	N/A		N/A	N/A	0.510	N/A	N/A
58	ADONA	919005-14-4	N/A	376.9 / 251.0	N/A		N/A	N/A	0.636	N/A	N/A
59	ADONA_2	919005-14-4	N/A	376.9 / 84.8	N/A		N/A	N/A	0.636	N/A	N/A
60	9Cl-PF3ONS	756426-58-1	N/A	530.8 / 351.1	N/A		N/A	N/A	0.326	N/A	N/A
61	9Cl-PF3ONS_2	756426-58-1	N/A	532.8 / 353.0	N/A		N/A	N/A	0.326	N/A	N/A
62	11Cl-PF3OUdS	763051-92-9	N/A	630.9 / 451.0	N/A		N/A	N/A	0.318	N/A	N/A
63	11Cl-PF3OUdS_2	763051-92-9	N/A	632.9 / 452.9	N/A		N/A	N/A	0.318	N/A	N/A
64	3:3FTCA	356-02-5	N/A	241.1 / 177.1	N/A		N/A	N/A	1.068	N/A	N/A
65	3:3FTCA_2	356-02-5	N/A	241.1 / 117.0	N/A		N/A	N/A	1.068	N/A	N/A
66	5:3FTCA	914637-49-3	N/A	341.1 / 237.1	N/A		N/A	N/A	1.045	N/A	N/A
67	5:3FTCA_2	914637-49-3	N/A	341.1 / 217.0	N/A		N/A	N/A	1.045	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	4.00	441.1 / 316.9	12495		0.431	1.338	1.285	Pass	N/A
69	7:3FTCA_2	812-70-4	4.00	441.1 / 337.1	16712		0.444	1.338	1.285	Pass	N/A
70	PFEESA	113507-82-7	N/A	315.1 / 135.0	N/A		N/A	N/A	0.081	N/A	N/A
71	PFEESA_2	113507-82-7	N/A	315.1 / 82.9	N/A		N/A	N/A	0.081	N/A	N/A
72	PFMPA	377-73-1	N/A	229.0 / 85.0	N/A		N/A	N/A	N/A	N/A	N/A
73	PFMBA	863090-89-5	N/A	279.0 / 85.0	N/A		N/A	N/A	N/A	N/A	N/A
74	NFDHA	151772-58-6	N/A	295.0 / 201.0	N/A		N/A	N/A	0.681	N/A	N/A
75	NFDHA_2	151772-58-6	N/A	295.0 / 84.9	N/A		N/A	N/A	0.681	N/A	N/A
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	5.357	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	5.357	N/A	N/A
78	13C2D4-4:2FTS	Surr	N/A	333.2 / 312.1	N/A		N/A	N/A	N/A	N/A	N/A
79	13C2-PFOA	Surr	N/A	415.0 / 370.0	N/A		N/A	N/A	N/A	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.56	217.0 / 172.0	1498054		8.572	NA	NA	NA	85.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.08	268.0 / 223.0	668891		4.554	NA	NA	NA	91.1
	13C5-PFHxA	EIS	1.83	318.0 / 273.0	319617		2.063	NA	NA	NA	82.5
	13C4-PFHpA	EIS	2.41	367.0 / 322.0	329235		2.546	NA	NA	NA	101.8
	13C8-PFOA	EIS	2.89	420.8 / 376.0	519144		2.282	NA	NA	NA	91.3
	13C9-PFNA	EIS	3.33	472.0 / 427.0	204795		1.023	NA	NA	NA	81.8
	13C6-PFDA	EIS	3.75	519.0 / 474.0	206791		0.955	NA	NA	NA	76.4
	13C7-PFUnA	EIS	4.14	570.0 / 525.0	240237		0.999	NA	NA	NA	79.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.53	615.1 / 570.0	218799		0.852	NA	NA	NA	68.1
	13C2-PFTeDA	EIS	5.26	715.1 / 670.1	150078		0.787	NA	NA	NA	63.0
	13C3-PFBS	EIS	1.82	302.1 / 80.1	326244		1.987	NA	NA	NA	85.3
	13C3-PFHxS	EIS	2.99	402.1 / 80.1	274391		1.886	NA	NA	NA	79.6
	13C8-PFOS	EIS	3.88	507.1 / 80.1	304248		2.008	NA	NA	NA	83.7
	13C2-4:2FTS	EIS	1.63	329.1 / 81.1	82418		3.613	NA	NA	NA	77.0
	13C2-6:2FTS	EIS	2.72	429.2 / 81.1	73058		3.608	NA	NA	NA	75.8
	13C2-8:2FTS	EIS	3.57	529.2 / 81.1	63526		2.651	NA	NA	NA	55.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	5.19	506.1 / 78.1	515847		2.005	NA	NA	NA	80.2
	d3-NMeFOSA	EIS	5.92	515.2 / 219.0	73775		1.752	NA	NA	NA	70.1
	d5-NEtFOSA	EIS	6.21	531.2 / 219.0	71890		1.881	NA	NA	NA	75.2
	d3-NMeFOSAA	EIS	3.89	573.2 / 419.1	88046		3.367	NA	NA	NA	67.3
	d5-NEtFOSAA	EIS	4.10	589.3 / 419.1	71694		2.782	NA	NA	NA	55.6
	d7-NMeFOSE	EIS	5.77	623.2 / 58.9	585178		21.450	NA	NA	NA	85.8
	d9-NEtFOSE	EIS	6.07	639.2 / 58.9	776911		21.163	NA	NA	NA	84.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.04	287.0 / 169.0	1320562		8.726	NA	NA	NA	87.3
	13C3-PFBA	NIS	0.56	216.0 / 172.0	761838		6.008	NA	NA	NA	120.2
	13C2-PFHxA	NIS	1.83	315.0 / 270.0	429951		2.887	NA	NA	NA	115.5
	13C4-PFOA	NIS	2.89	417.0 / 372.0	362666		2.516	NA	NA	NA	100.6
	13C5-PFNA	NIS	3.33	468.0 / 423.0	249322		1.221	NA	NA	NA	97.7
	13C2-PFDA	NIS	3.75	515.1 / 470.1	257106		1.219	NA	NA	NA	97.5
	18O2-PFHxS	NIS	2.99	403.1 / 84.1	303725		2.603	NA	NA	NA	109.8
	13C4-PFOS	NIS	3.88	503.1 / 80.1	301729		2.404	NA	NA	NA	100.2

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	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec

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PFBA
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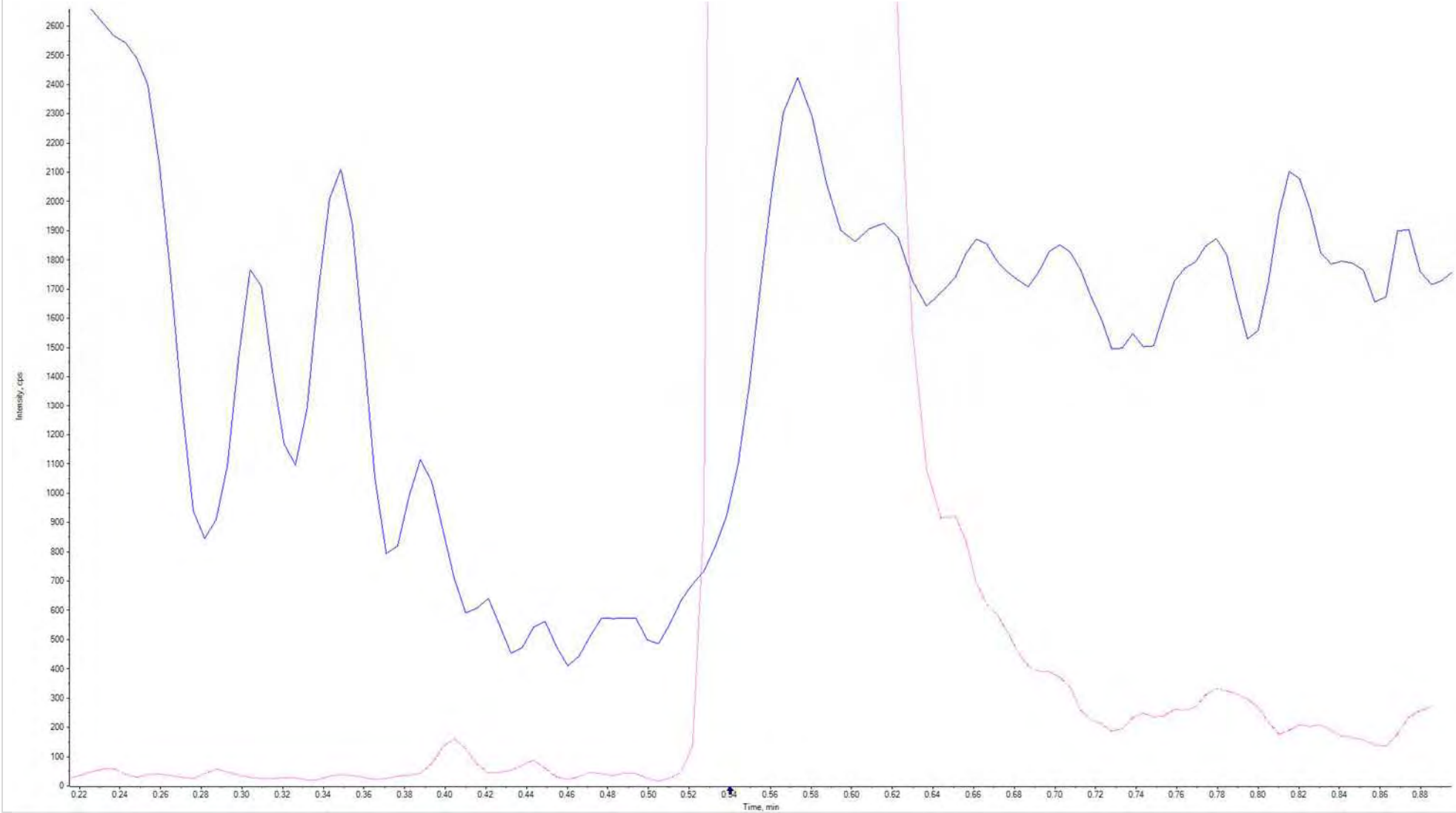

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PFPeA
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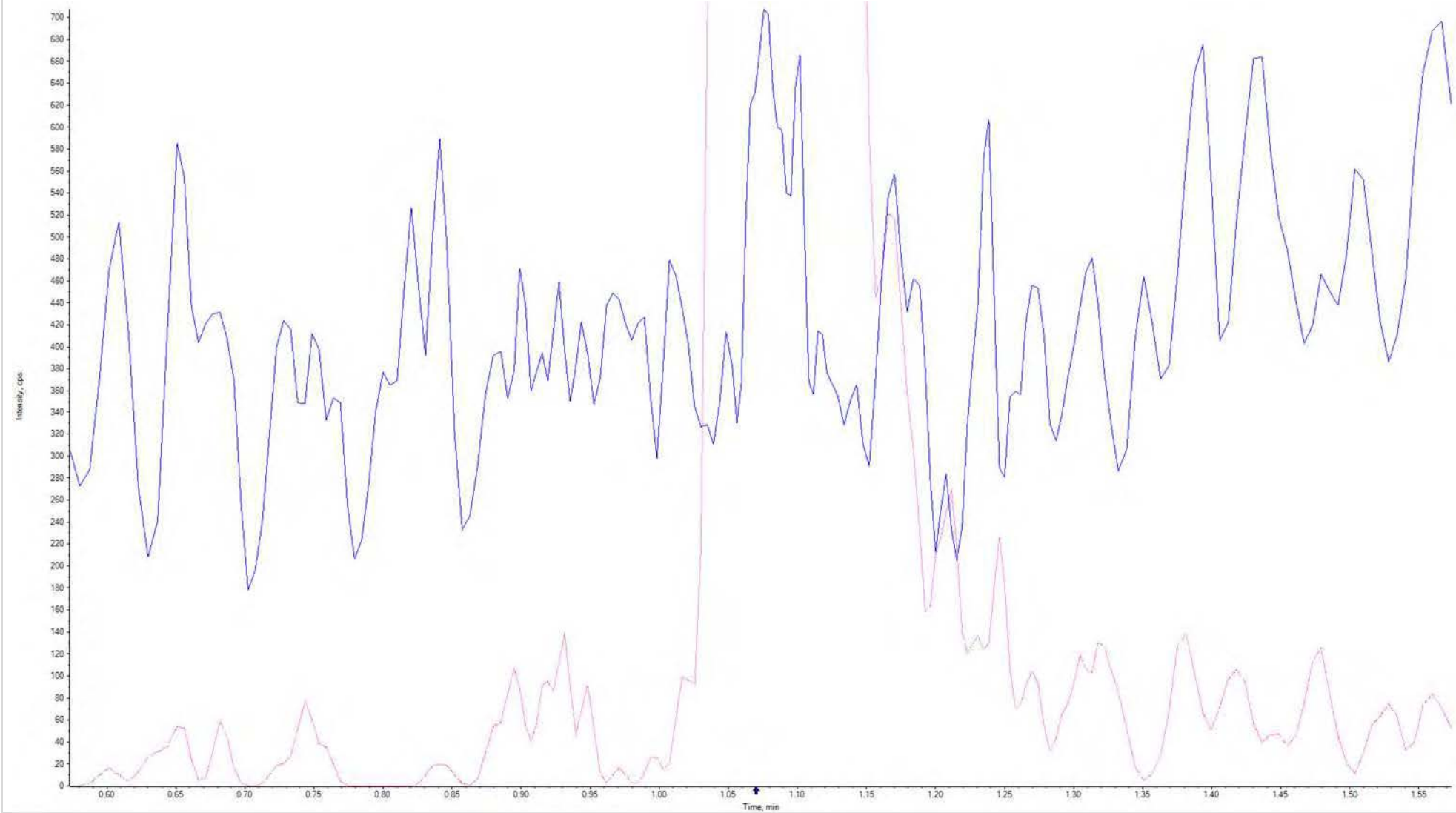

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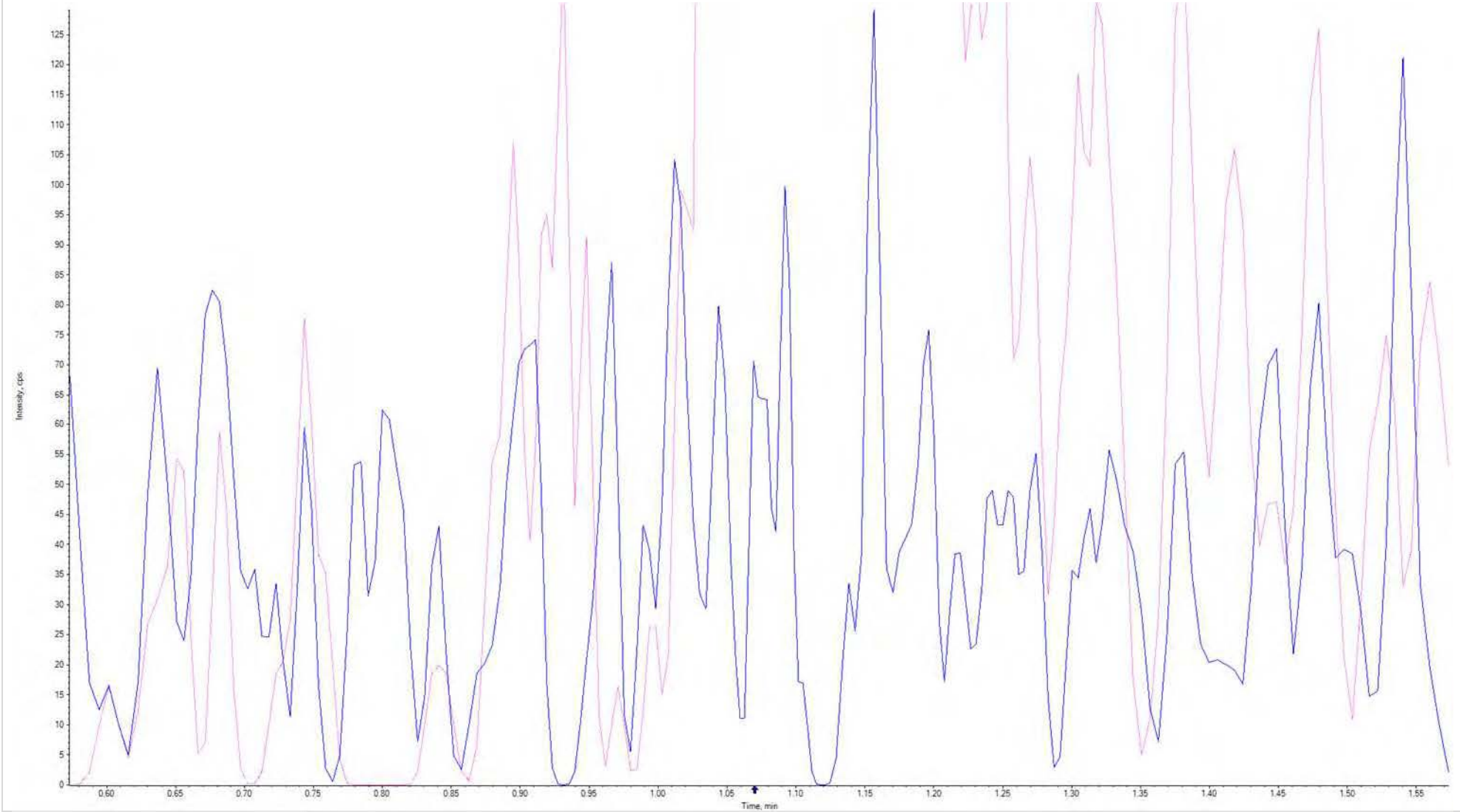
PFPeA_2
Sample: L2467934-10 S/N:N/A Points Across peak:N/A



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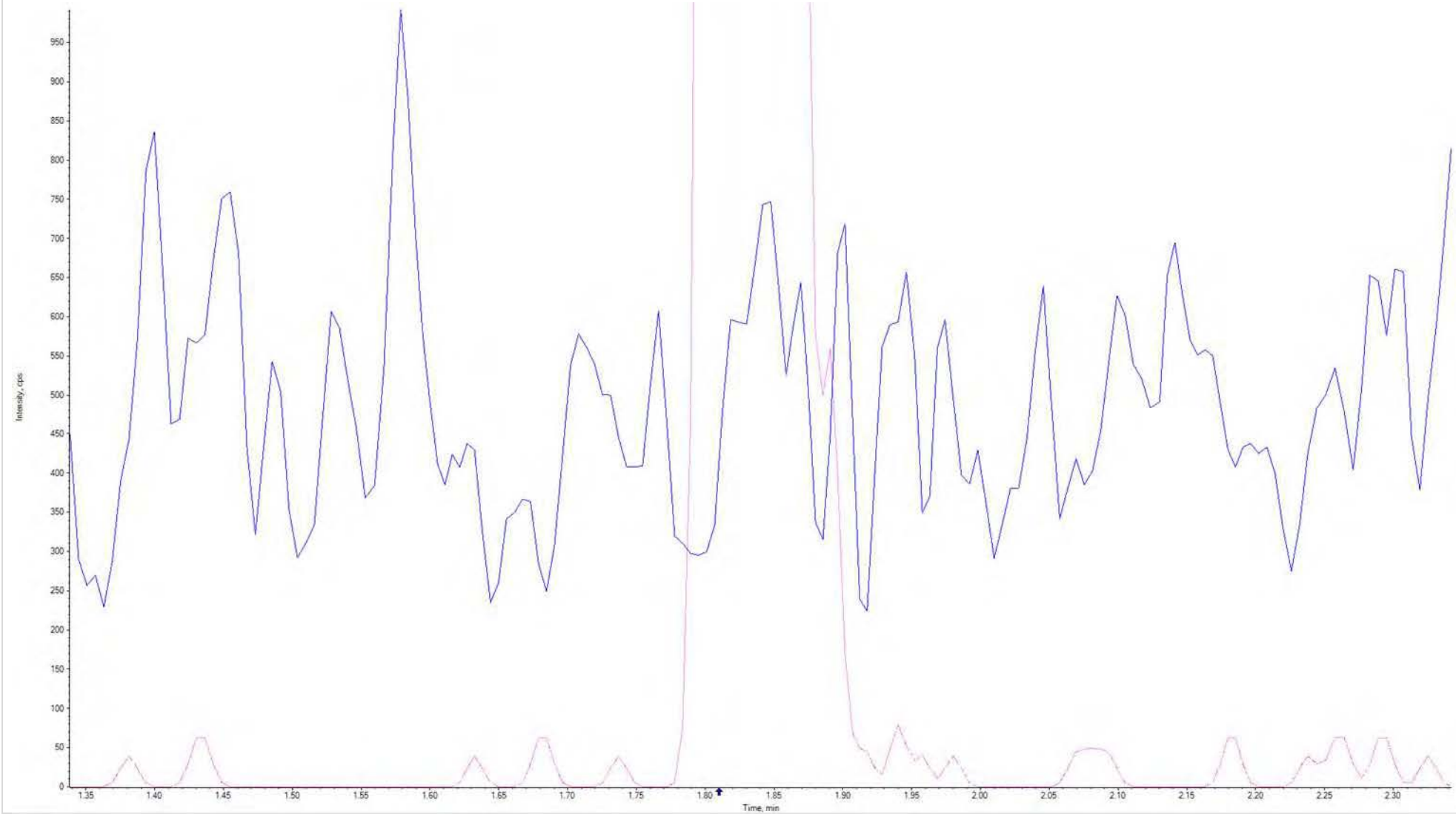
PFHxA
Sample: L2467934-10 S/N:N/A Points Across peak:N/A



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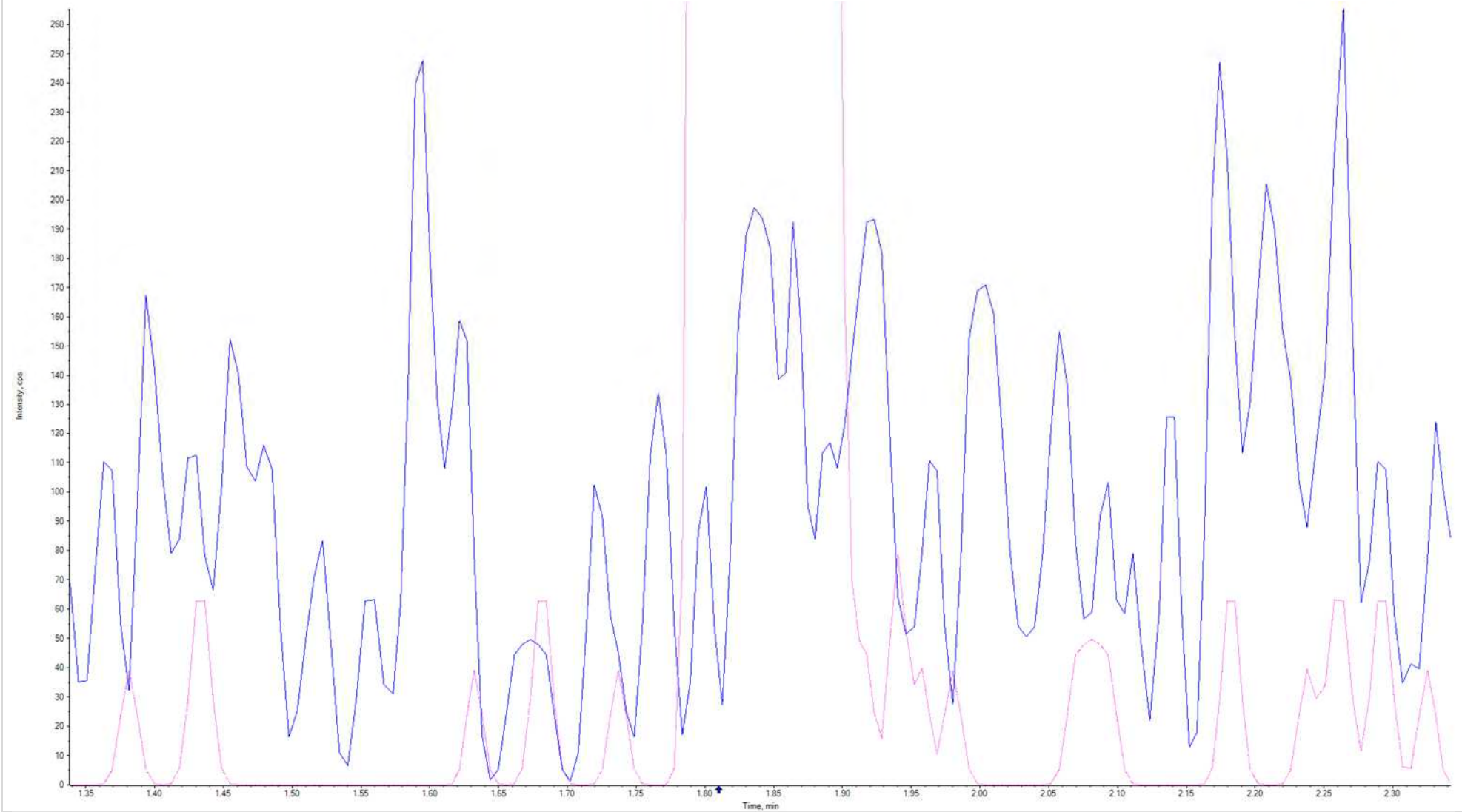
PFHxA_2
Sample: L2467934-10 S/N:N/A Points Across peak:N/A



PFHpA
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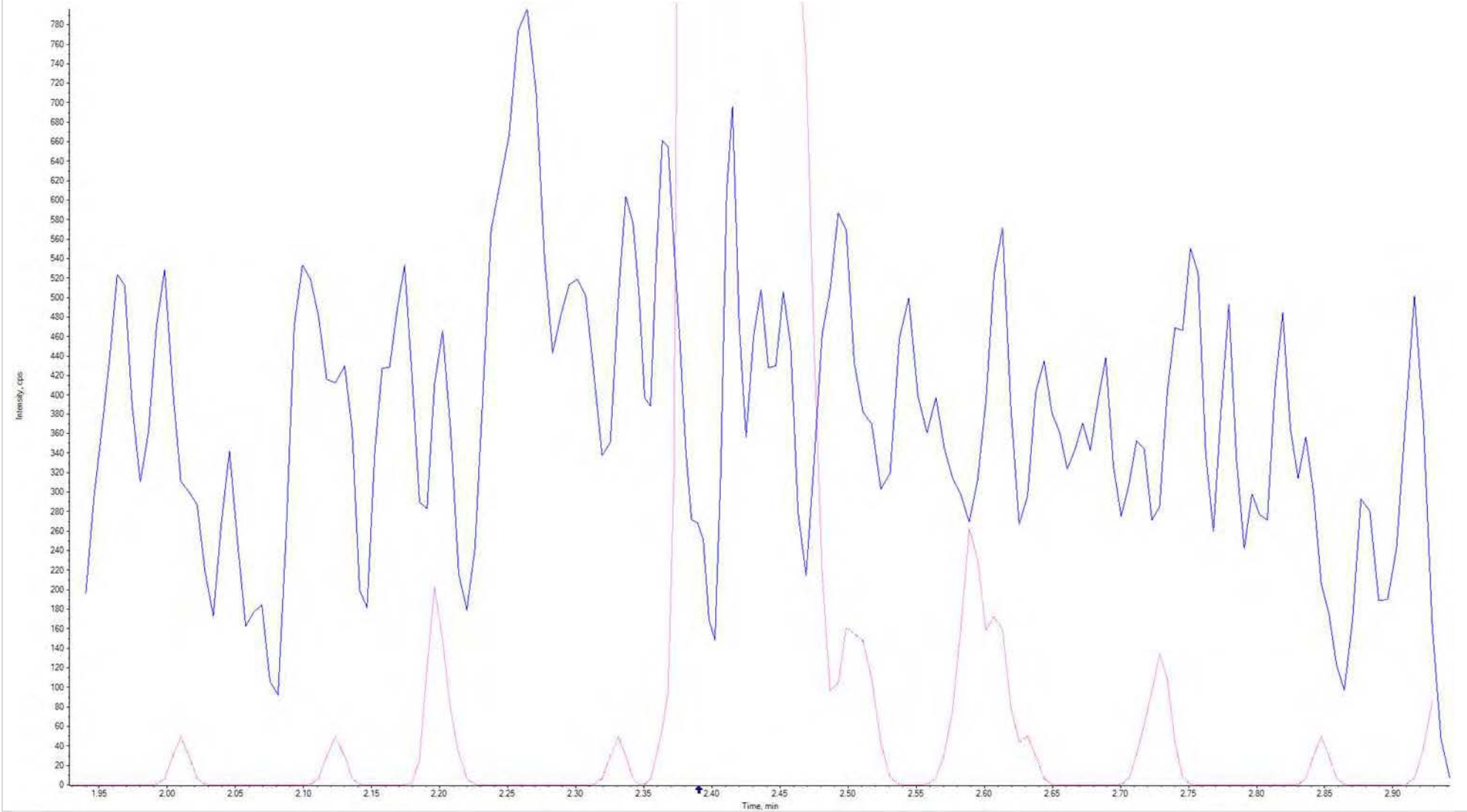

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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PFHpA_2
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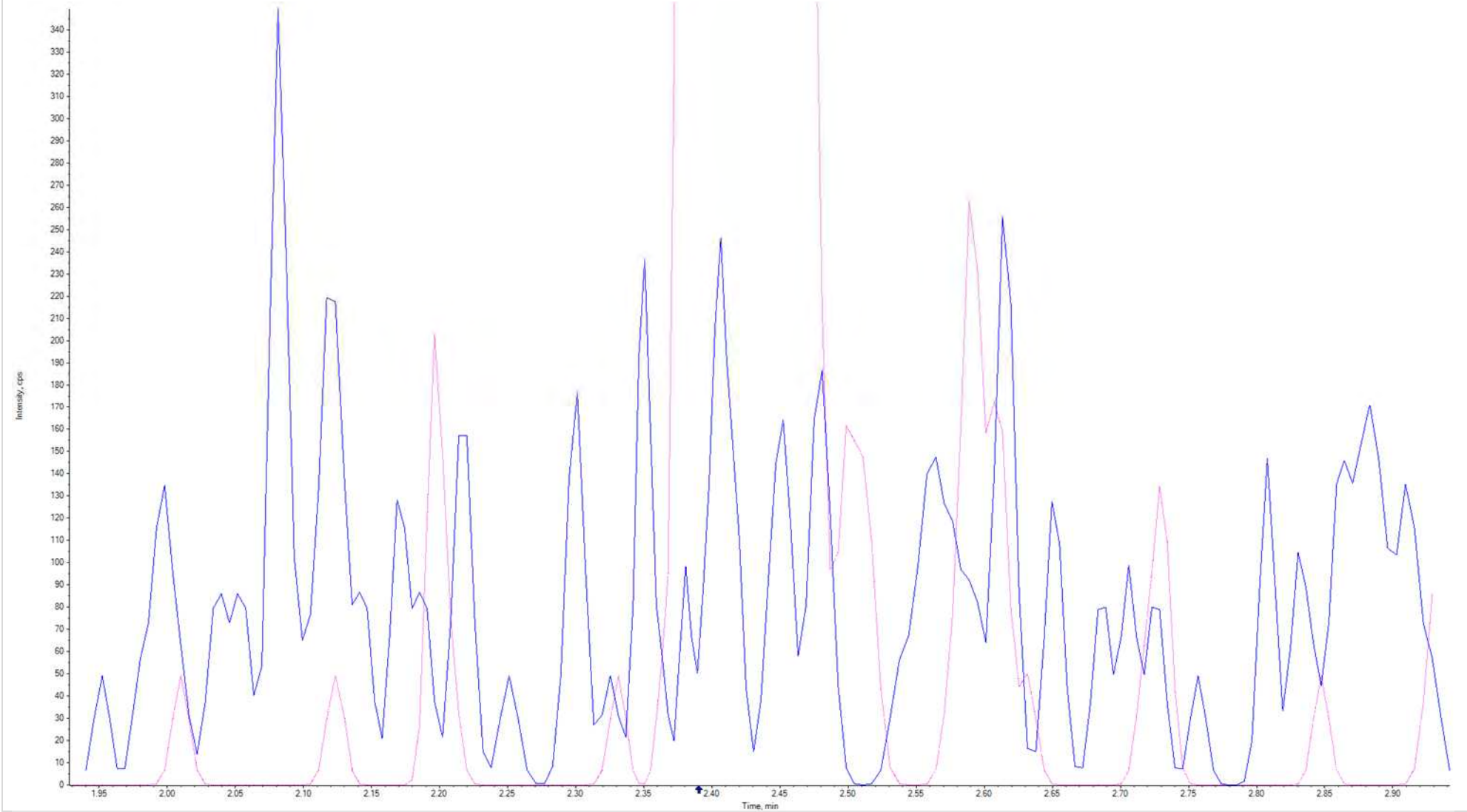

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PFOA
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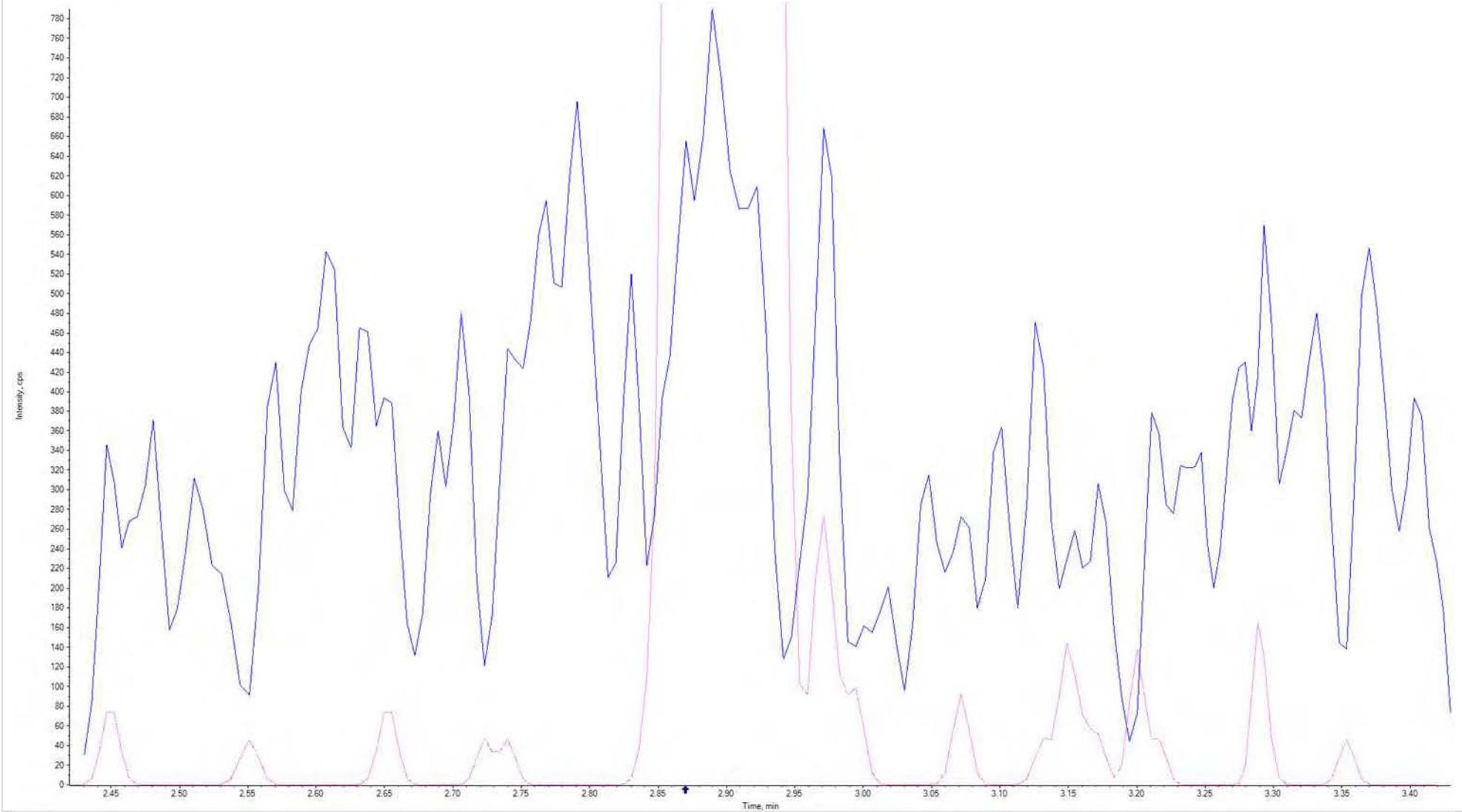

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PFOA_2
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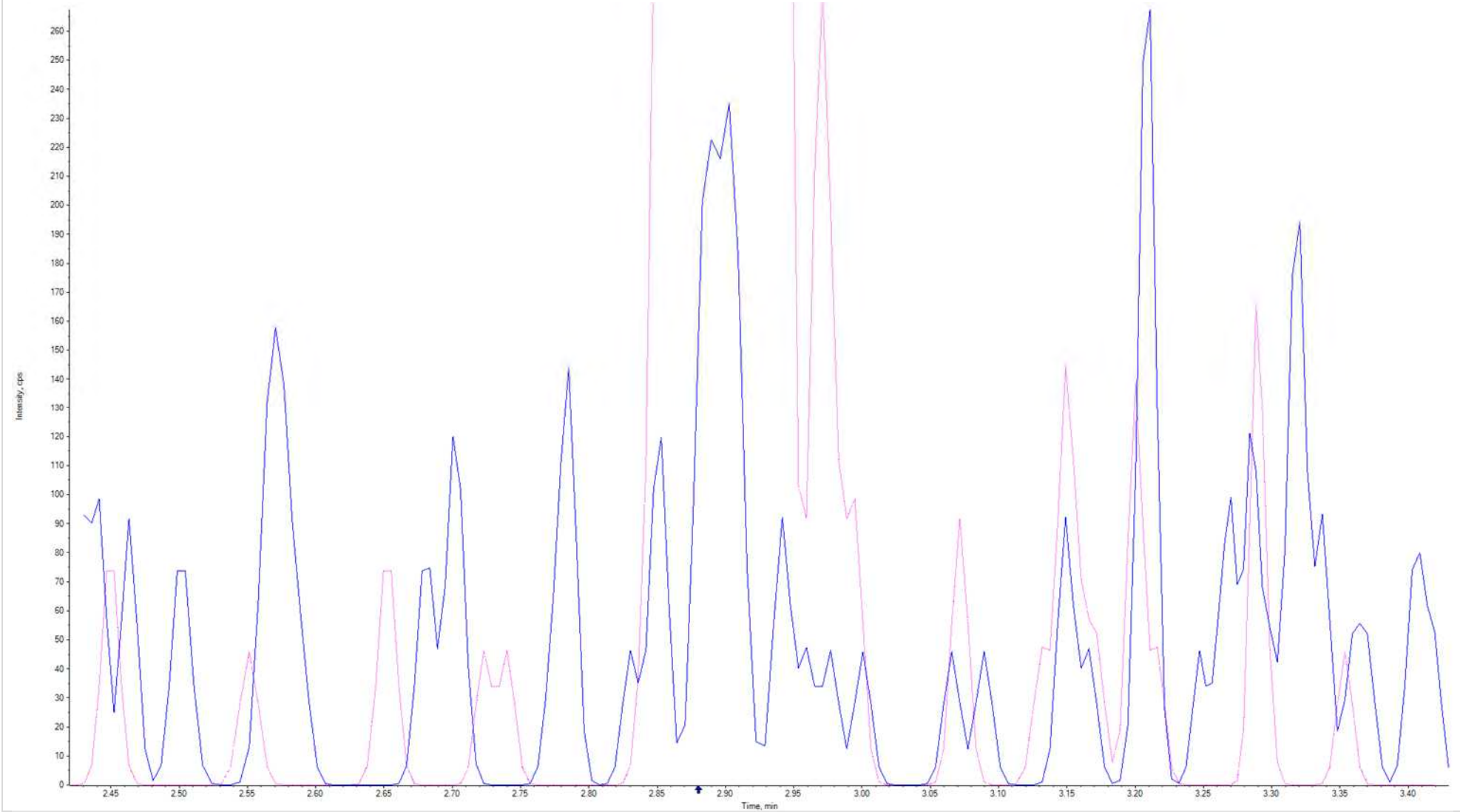

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PFNA
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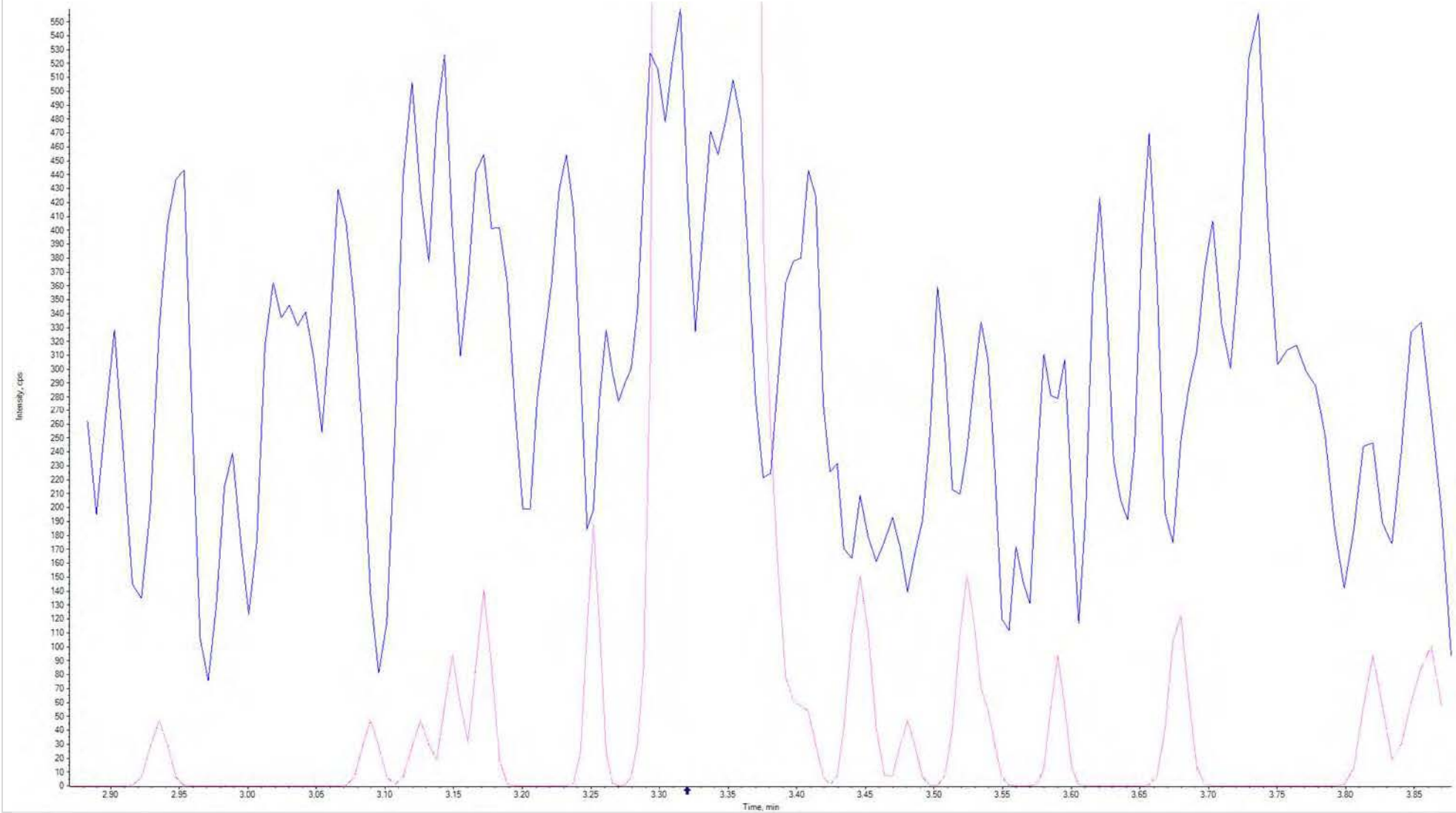

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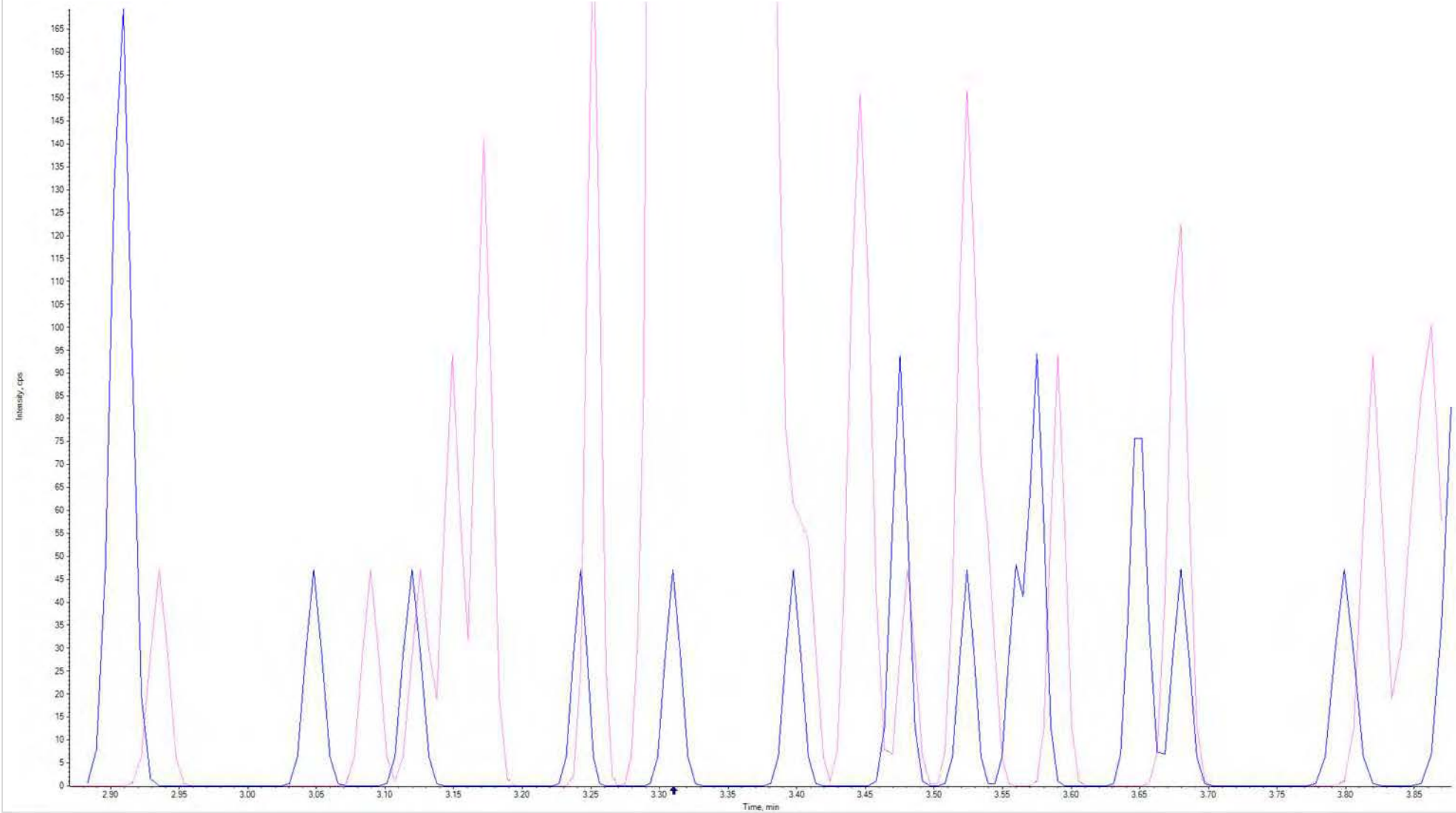

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PFDA
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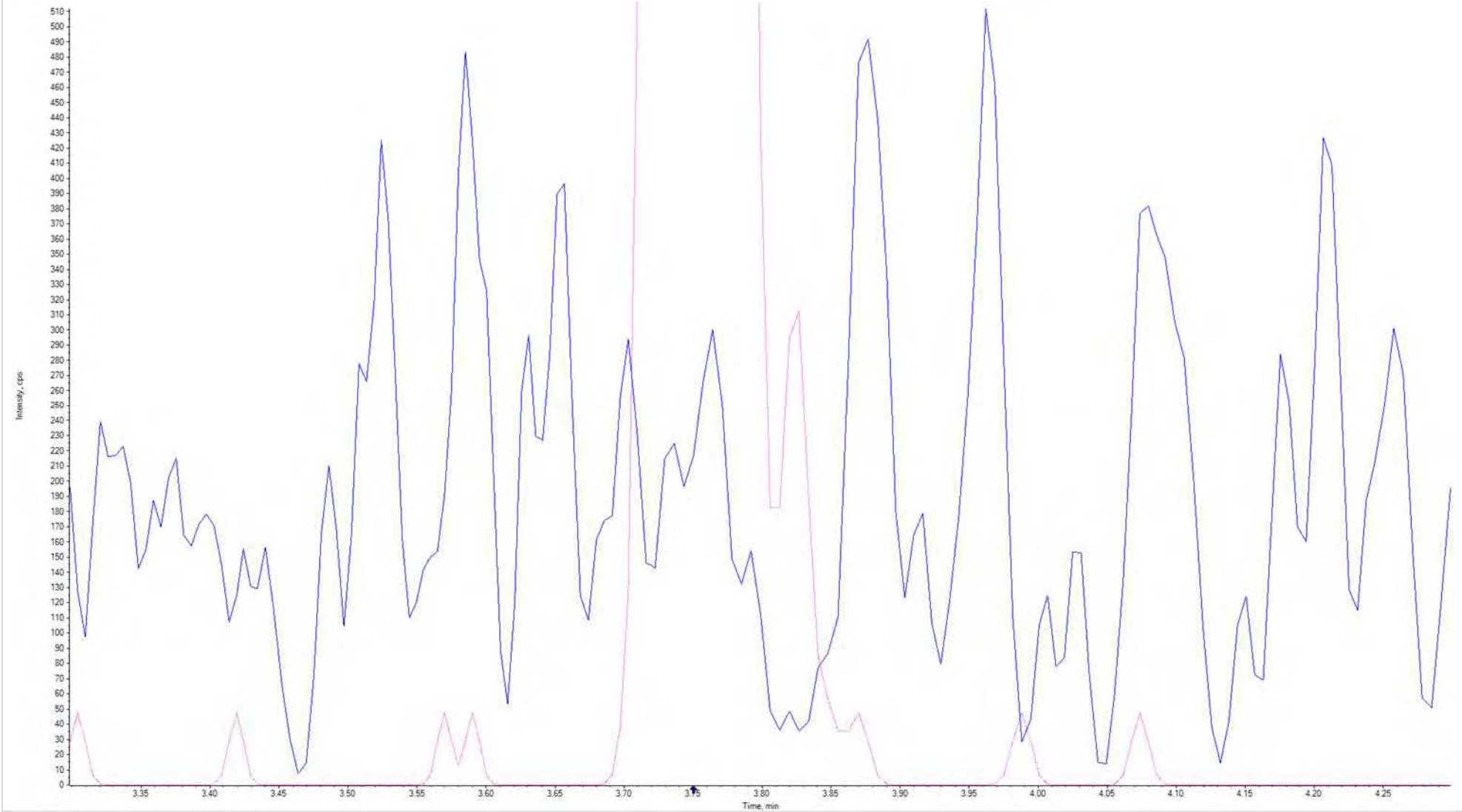

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PFDA_2
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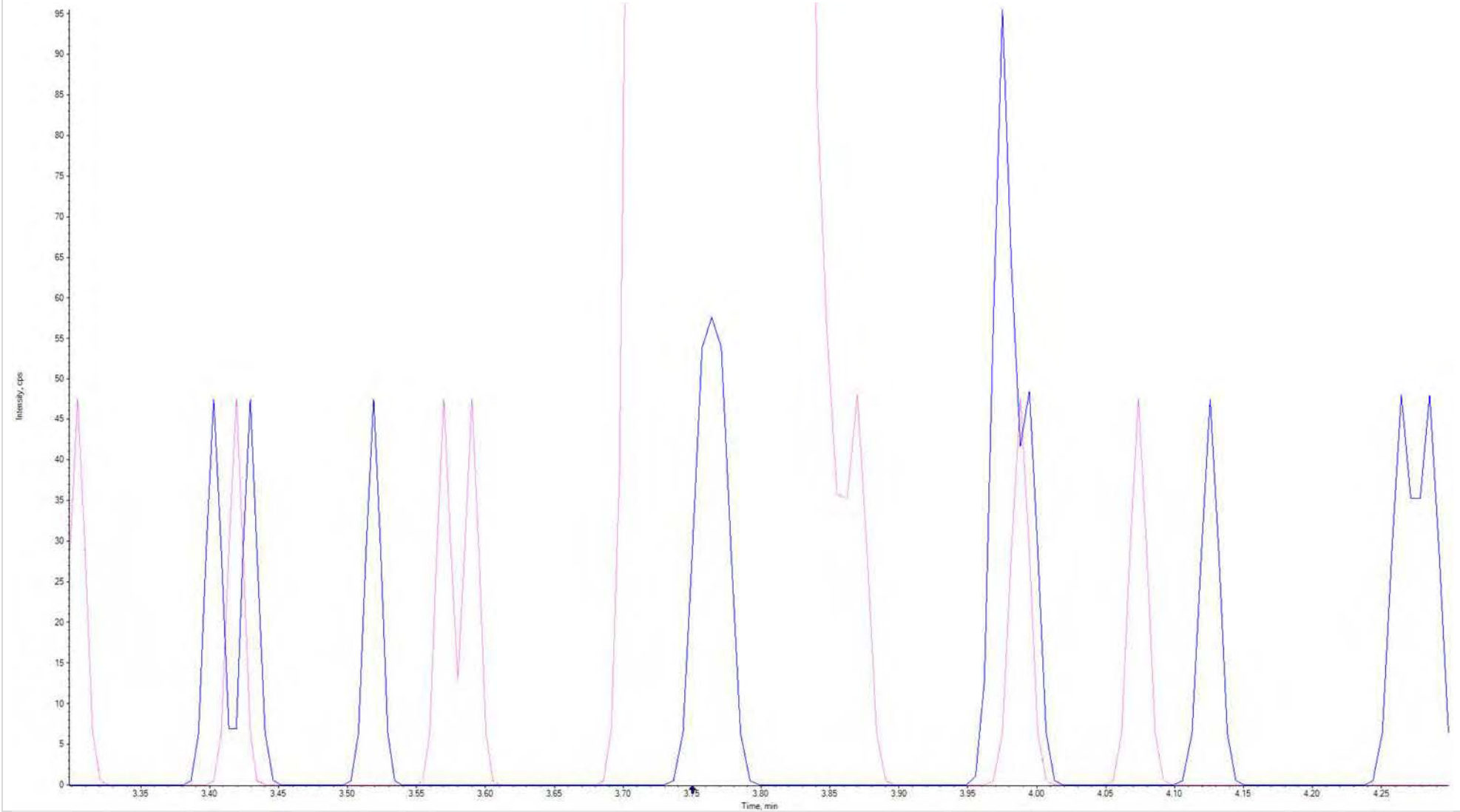

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PFUnA
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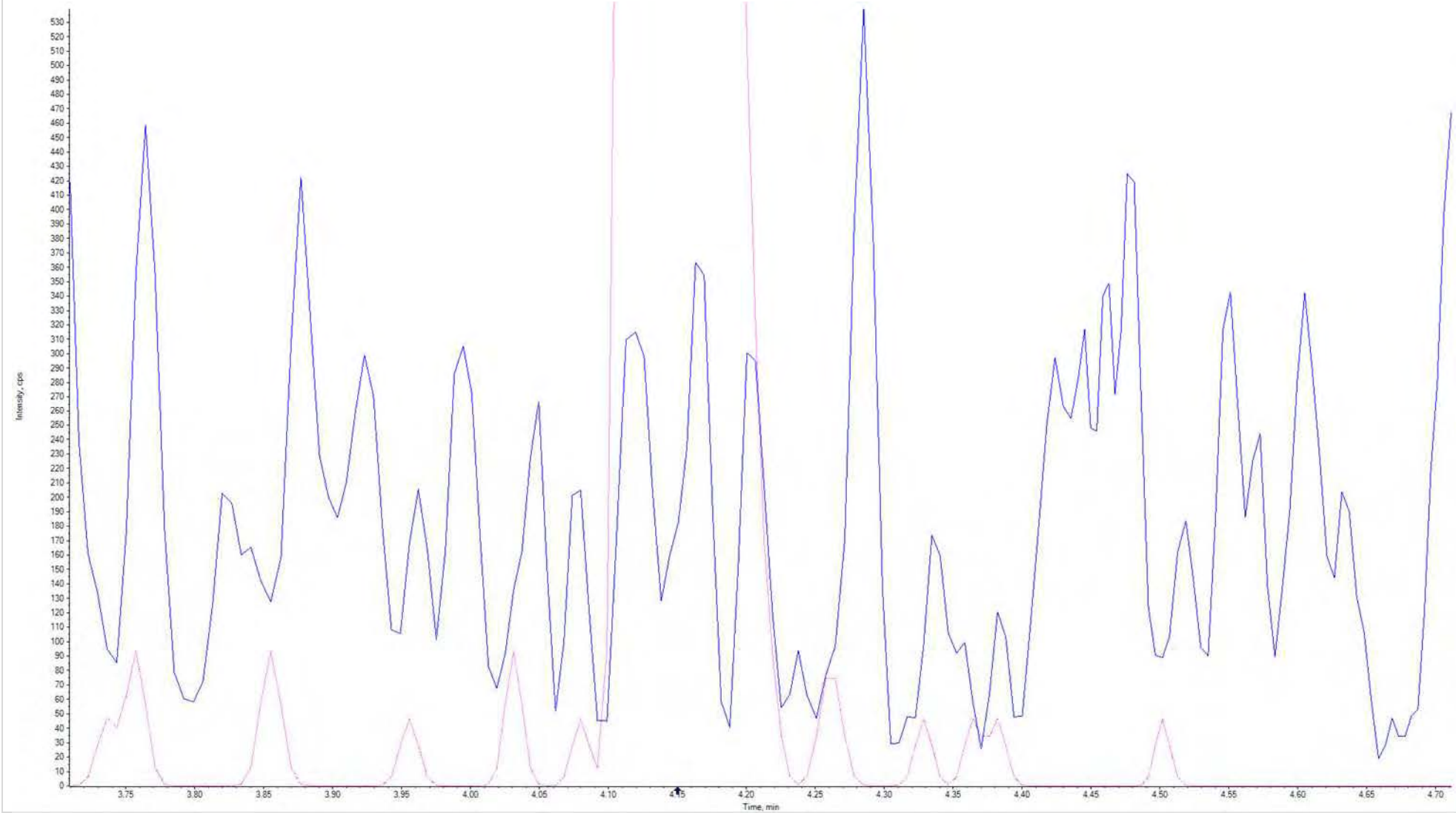

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PFUnA_2
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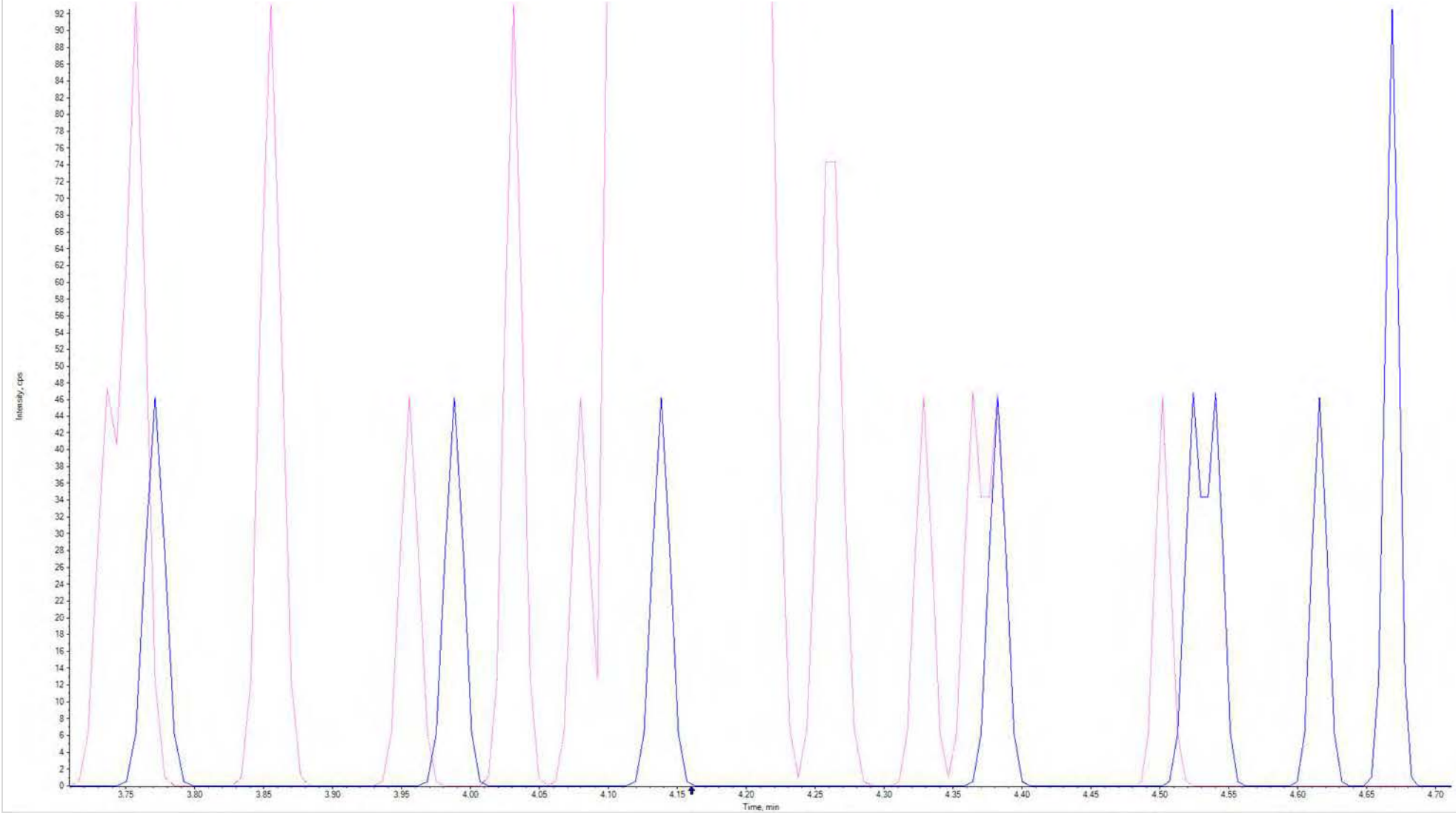

PFDoA
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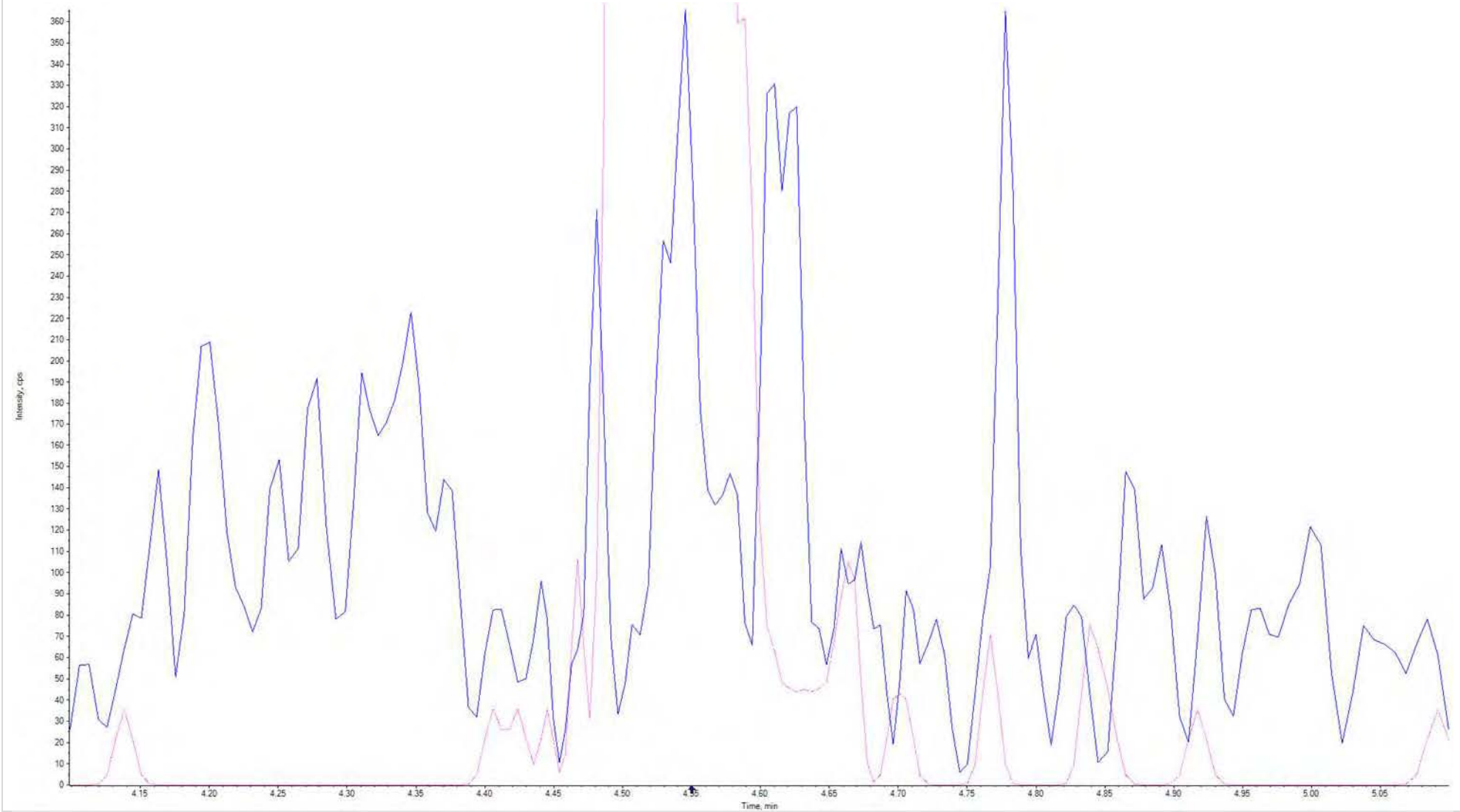

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PFDoA_2
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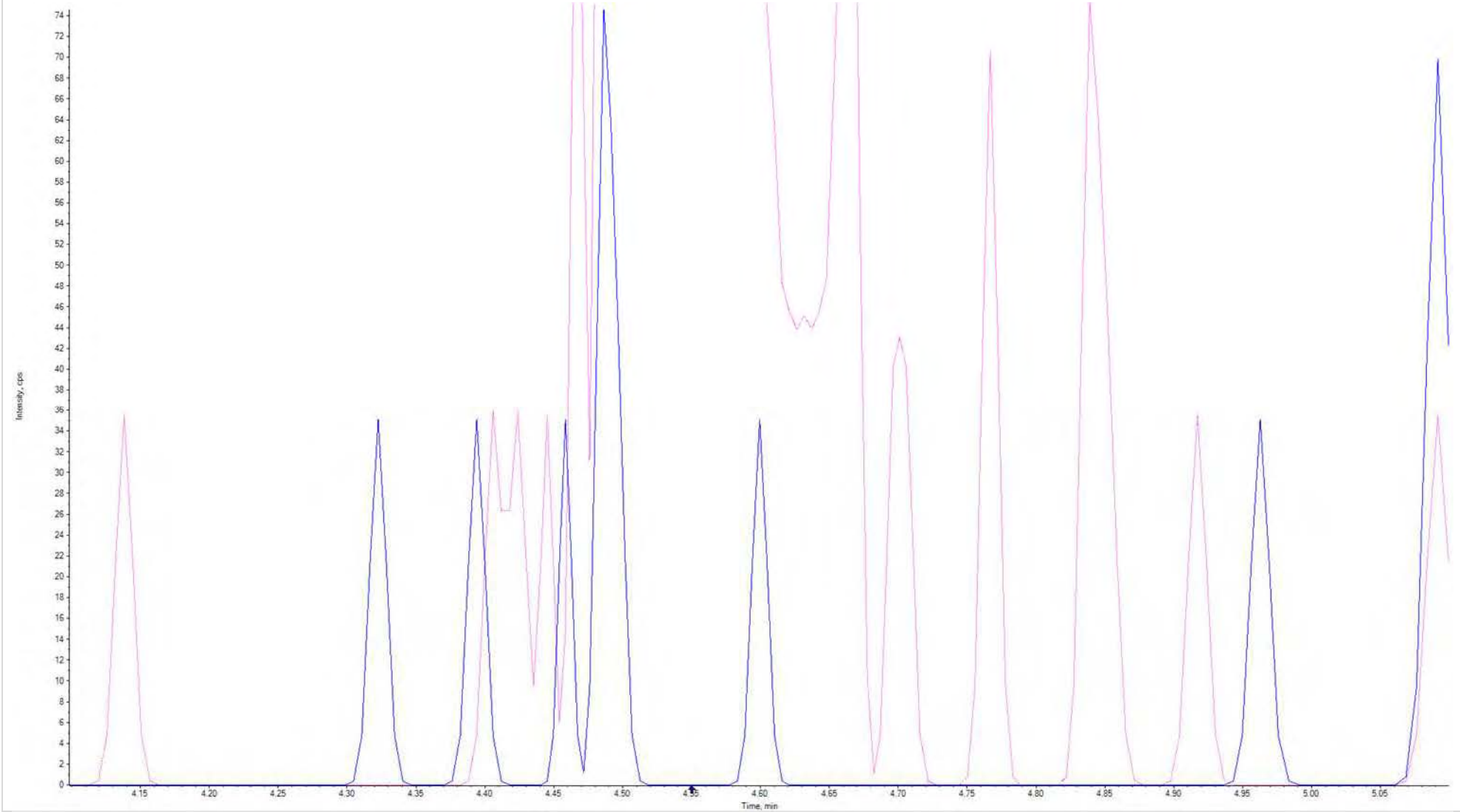

PFTrDA
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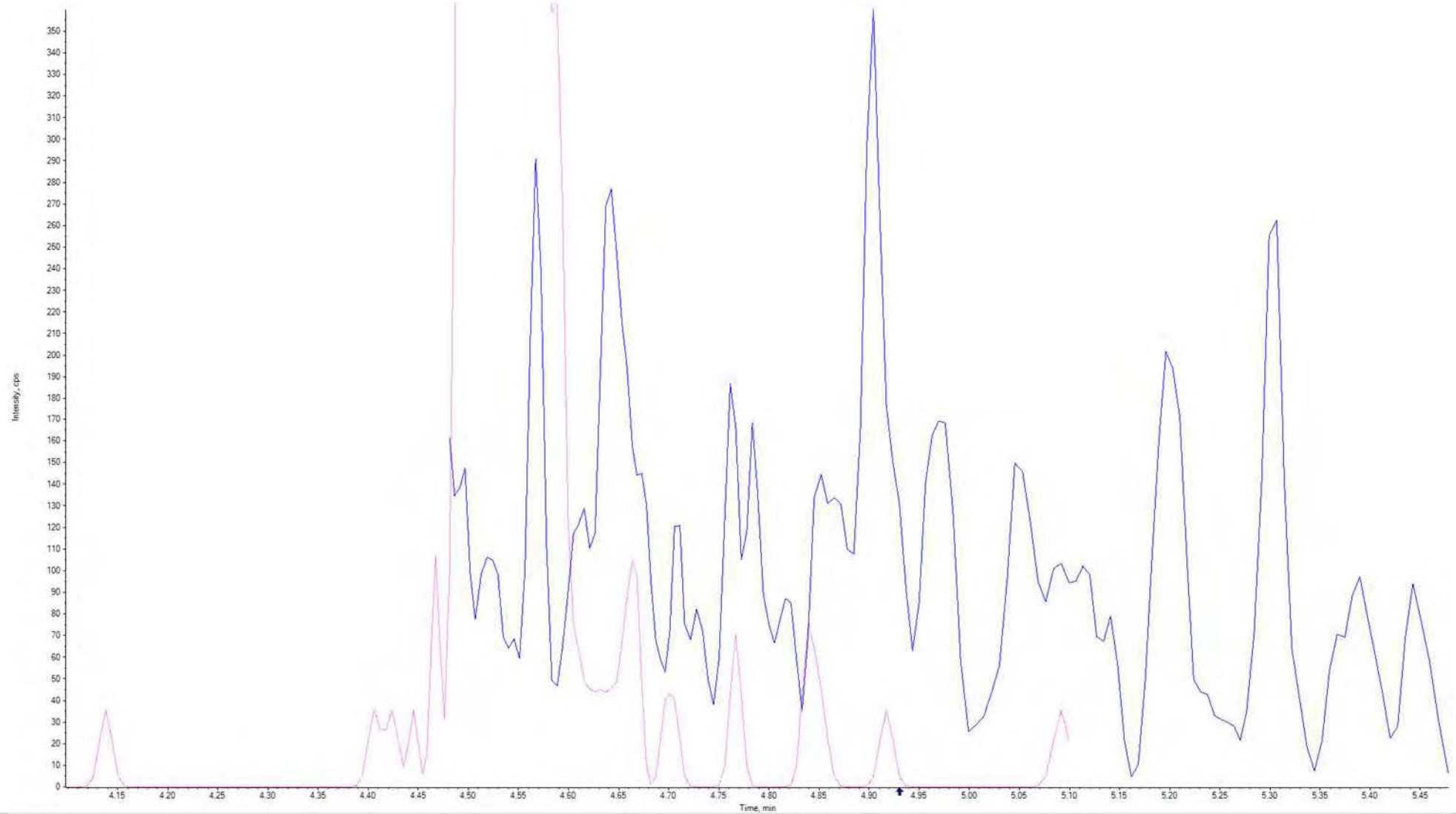

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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PFTrDA_2
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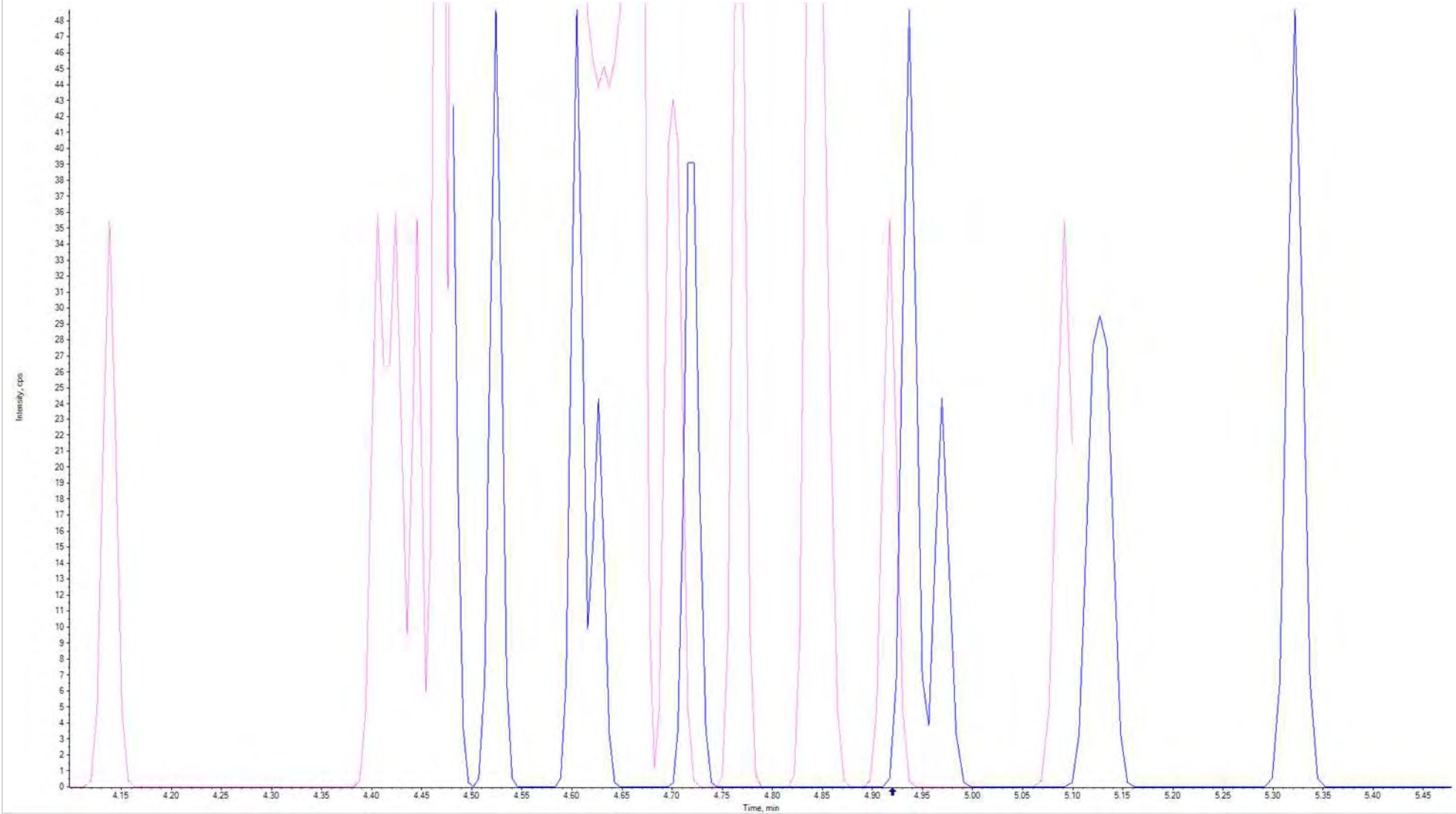

PFTeDA
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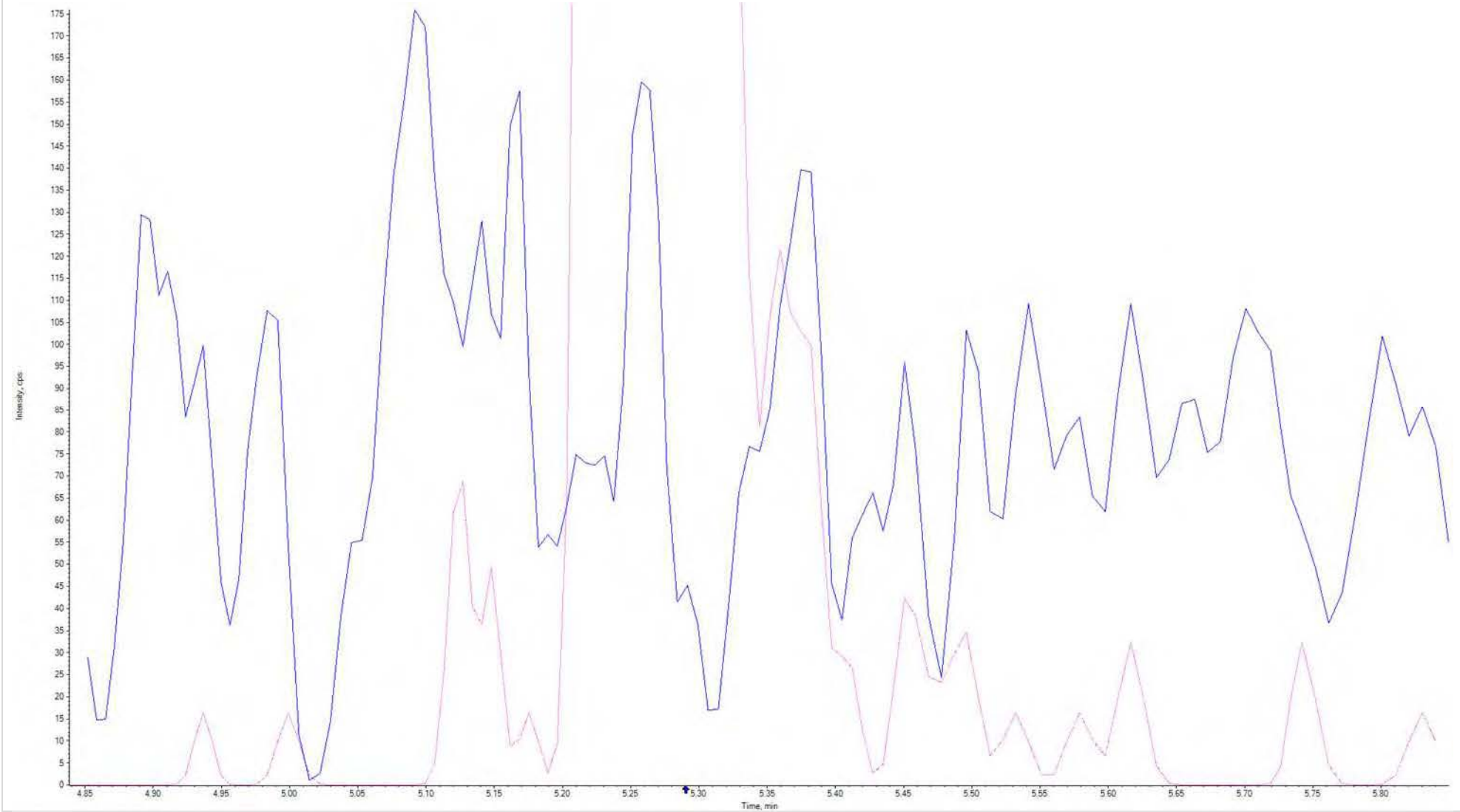

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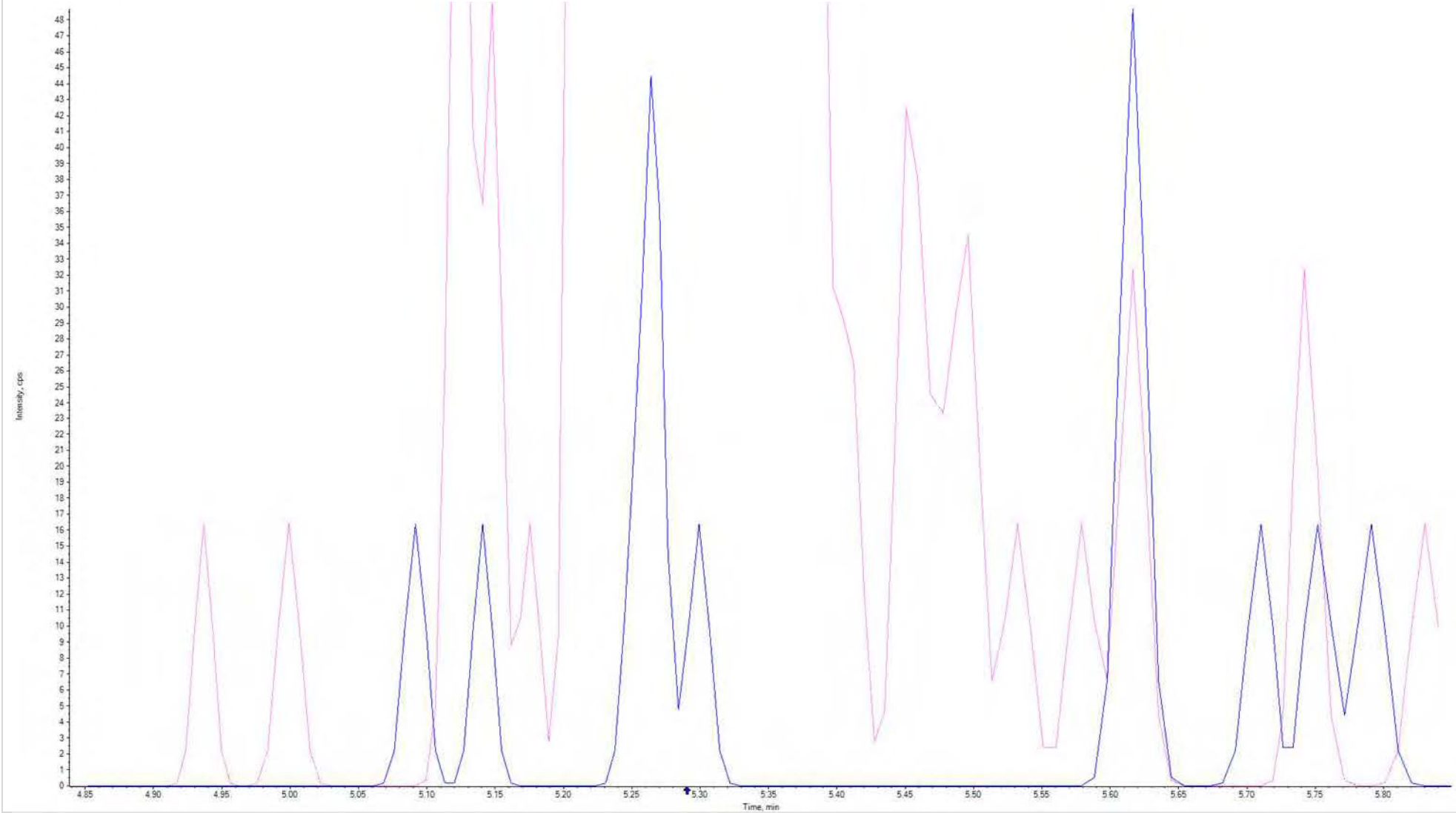

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PFBS
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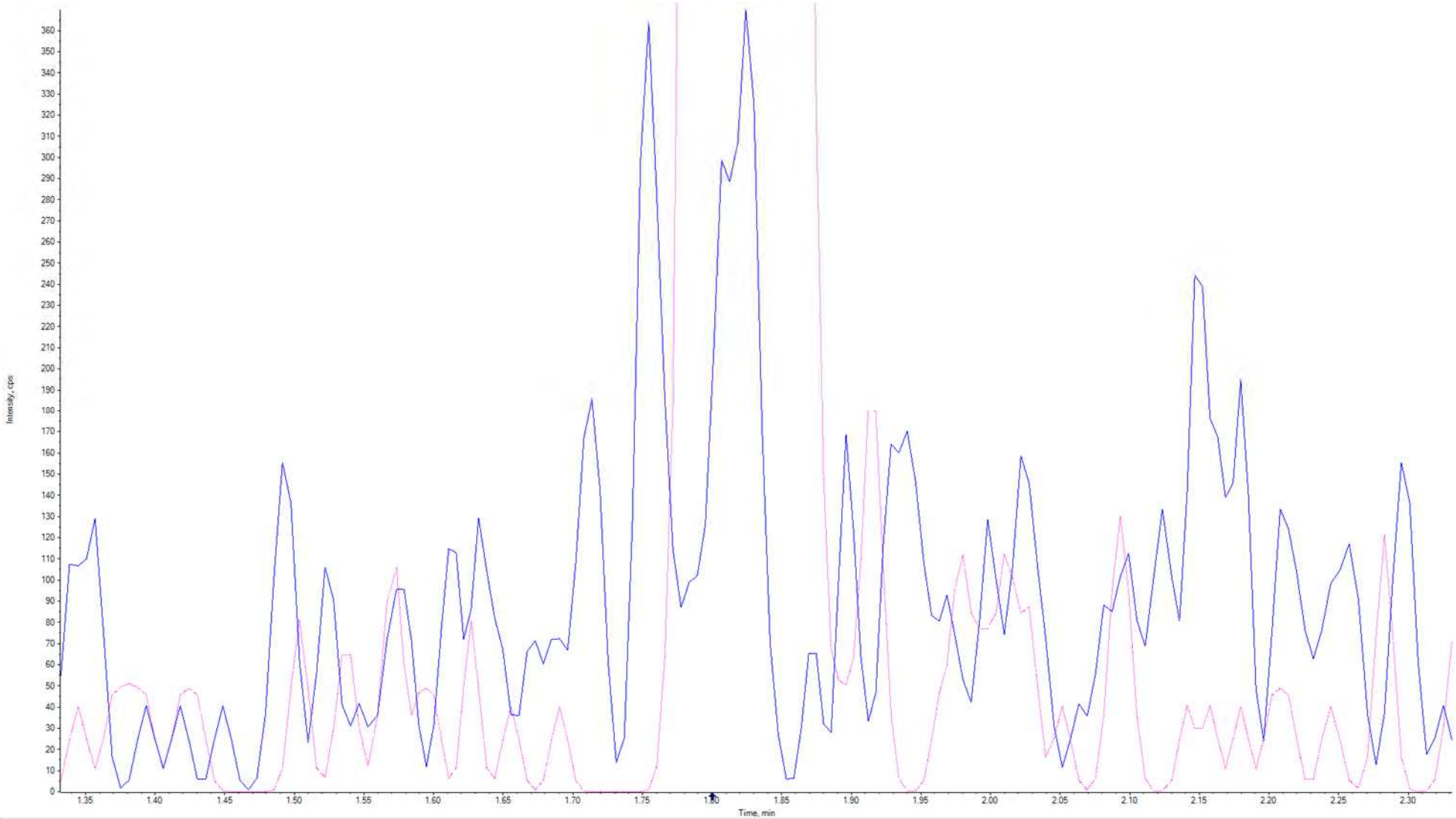

PFBS_2
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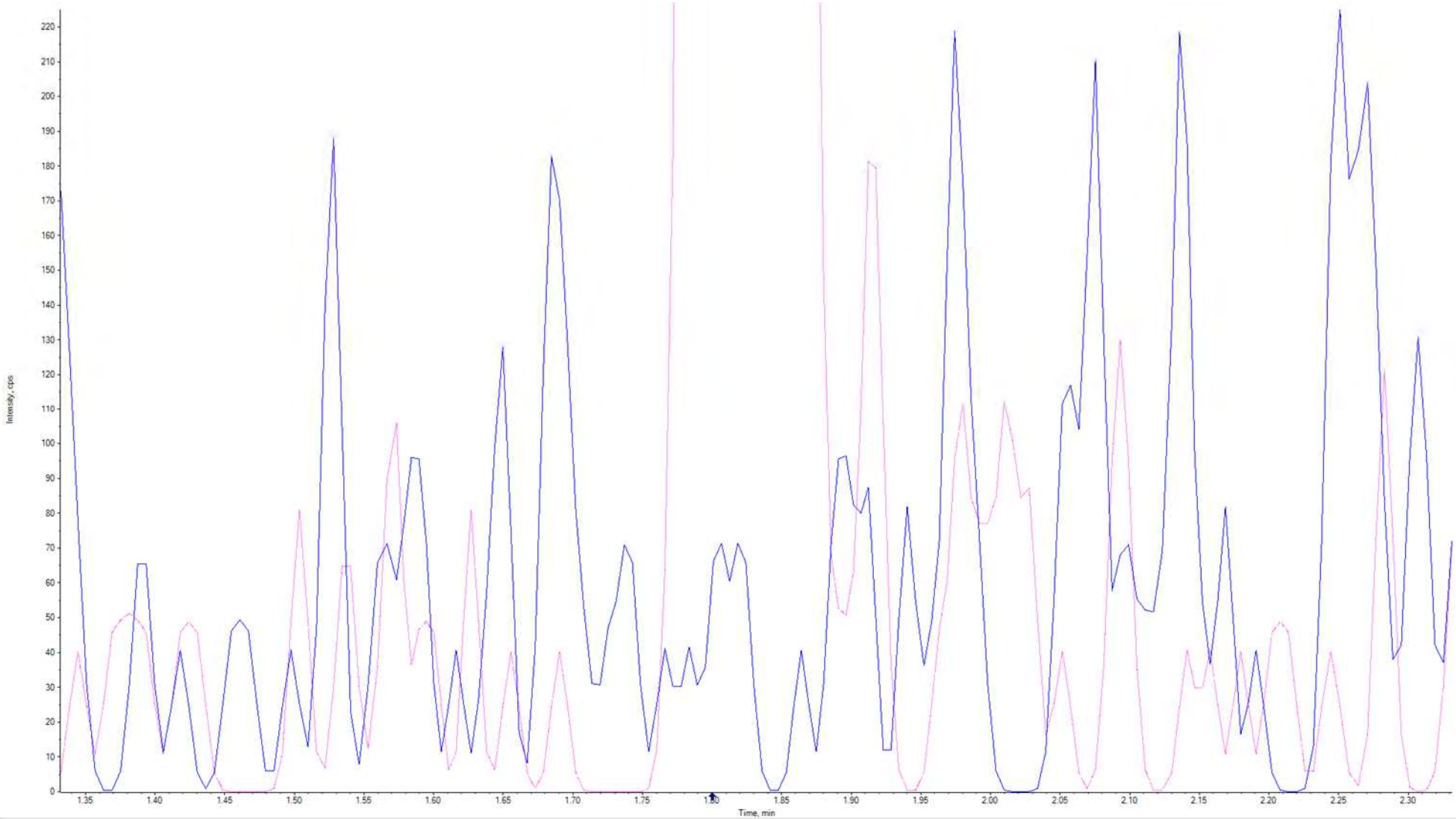

PFPeS
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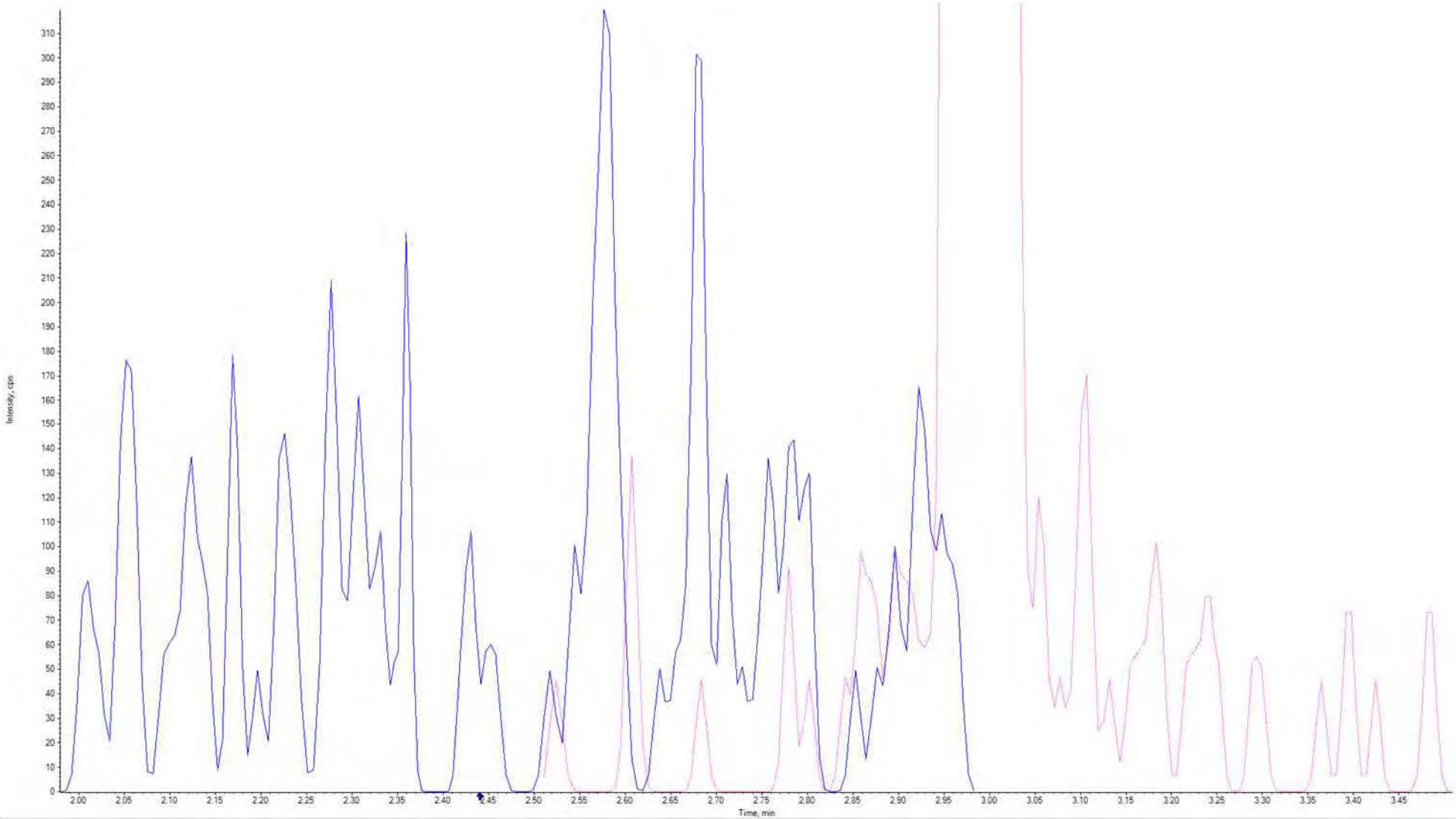

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PFPeS_2
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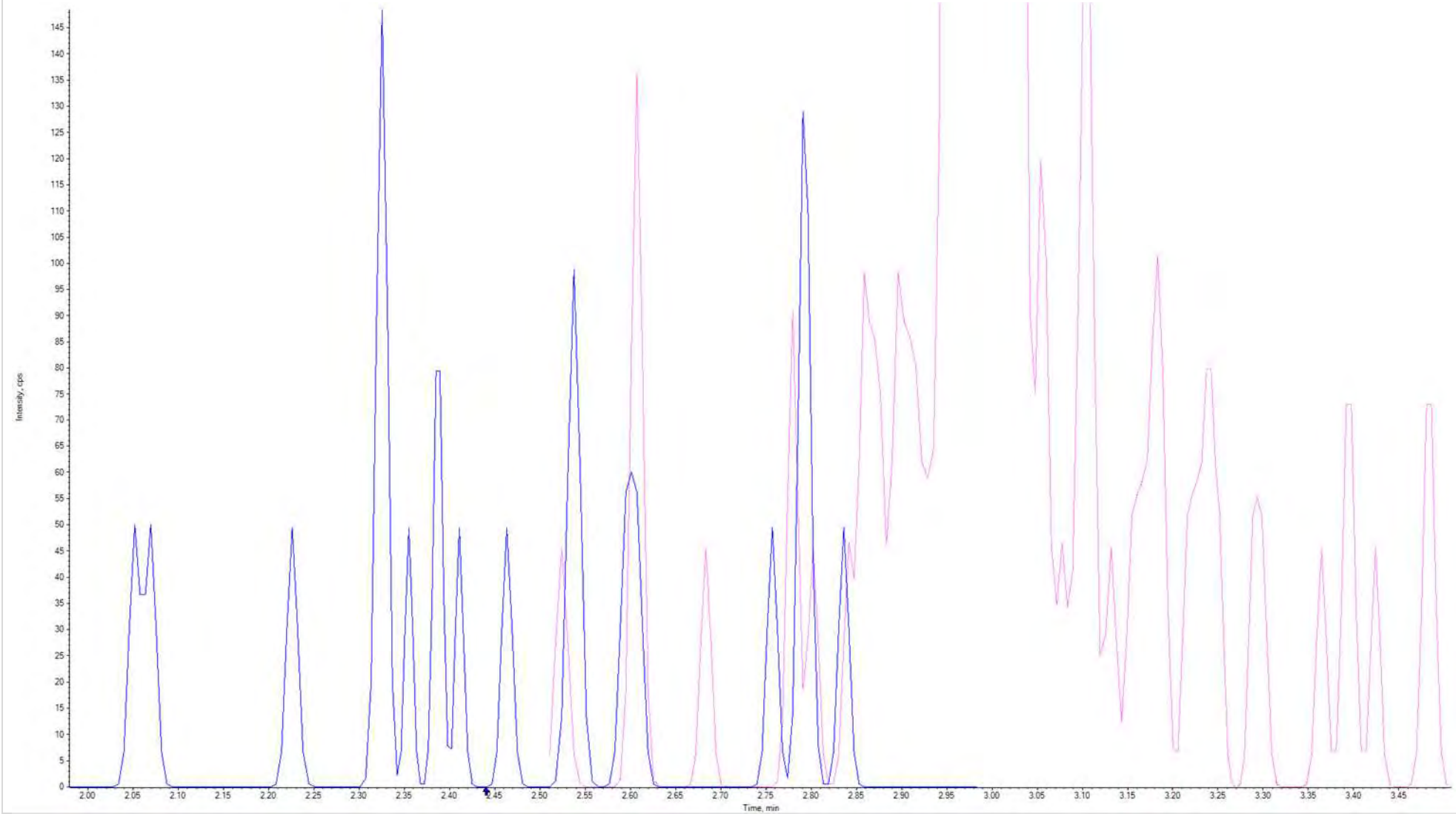

PFHxS
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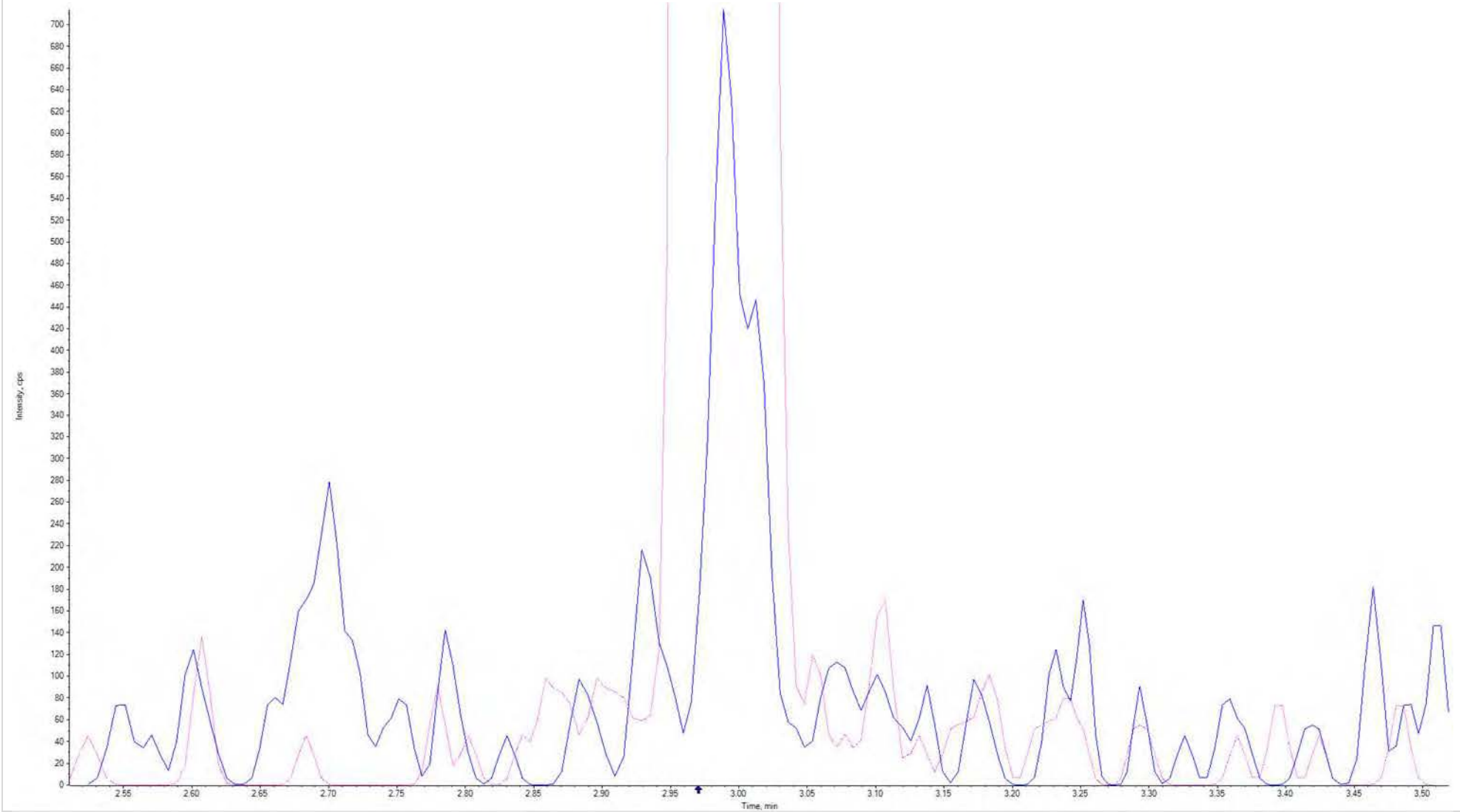

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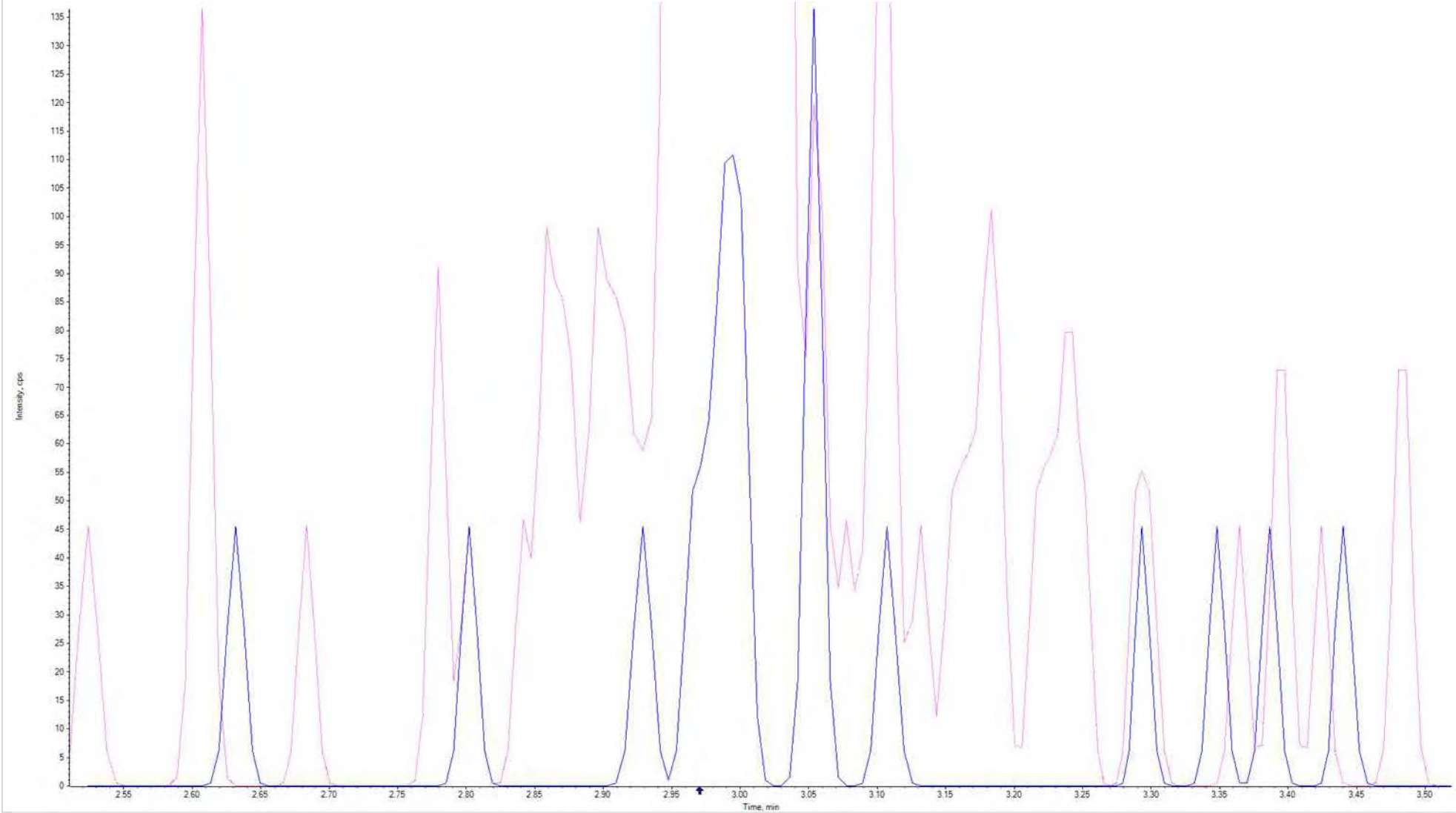

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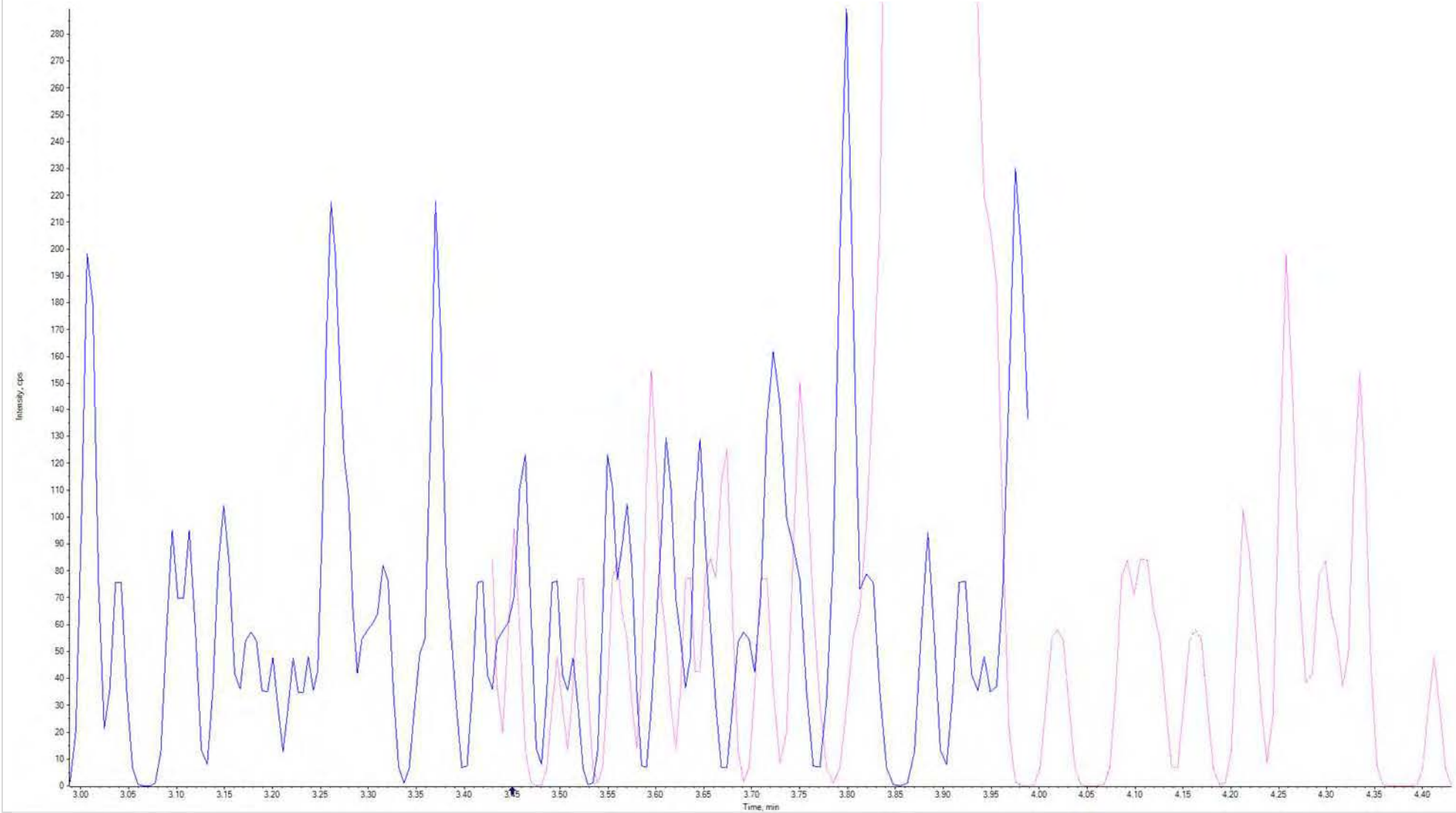

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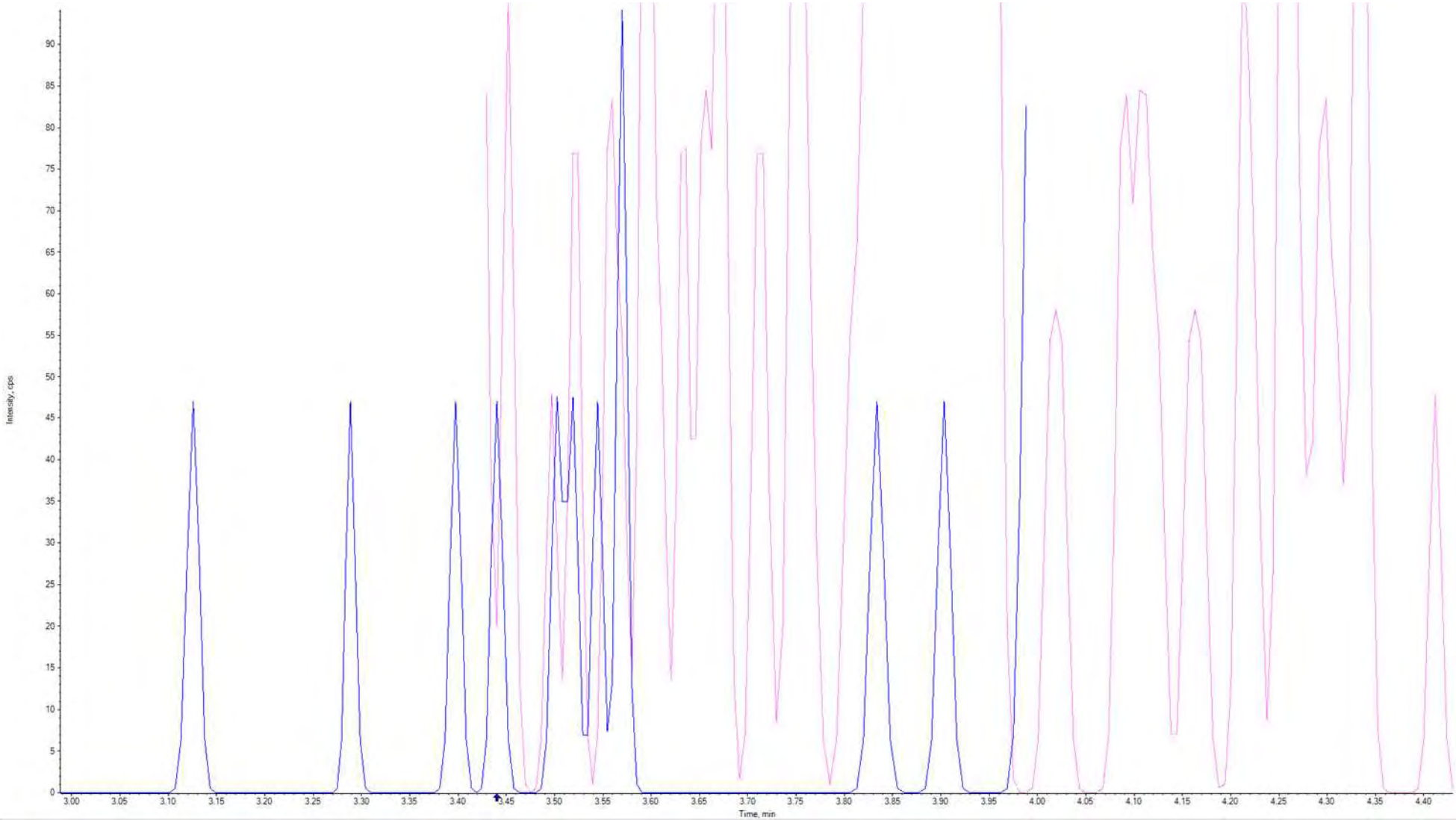

PFOS
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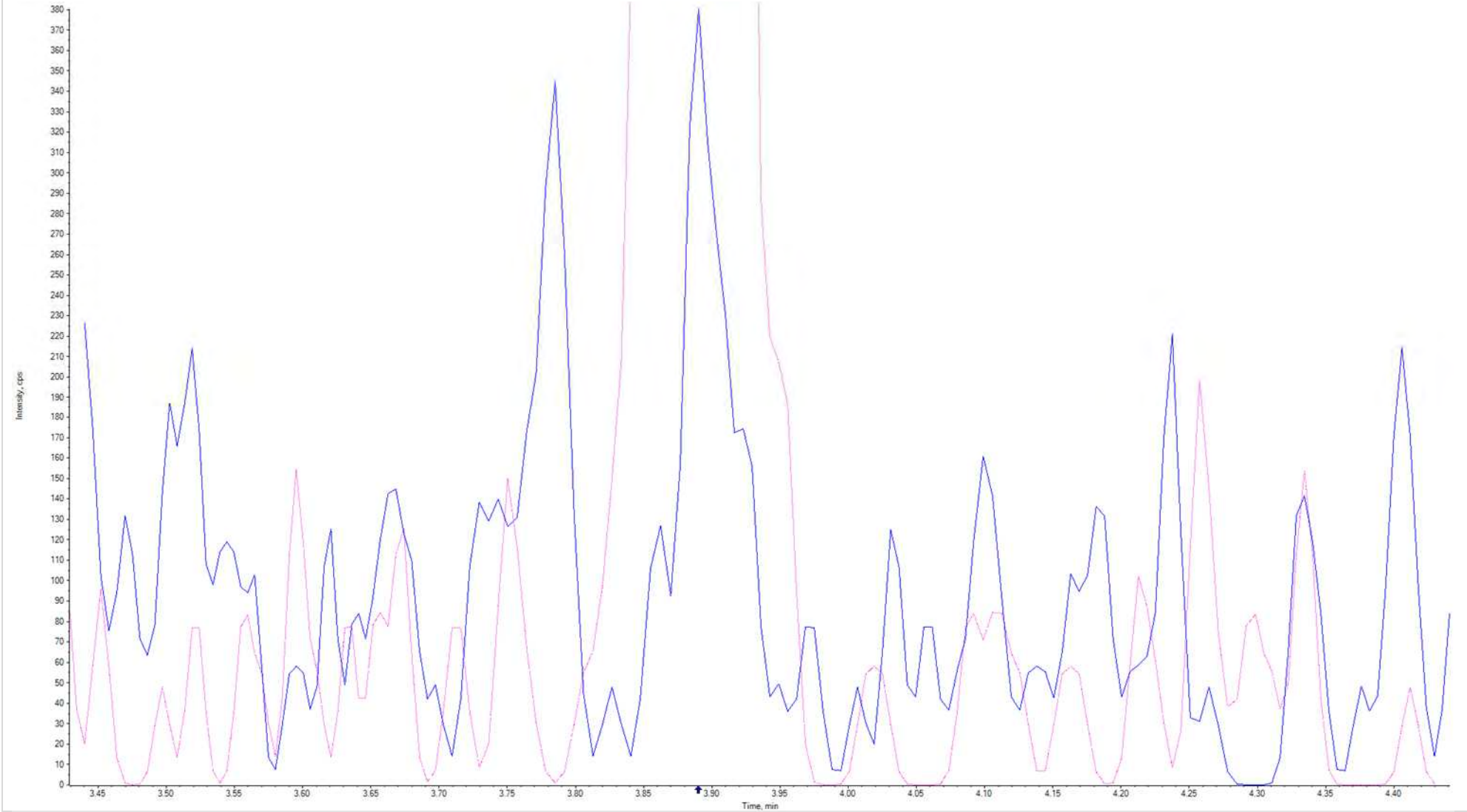

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PFOS_2
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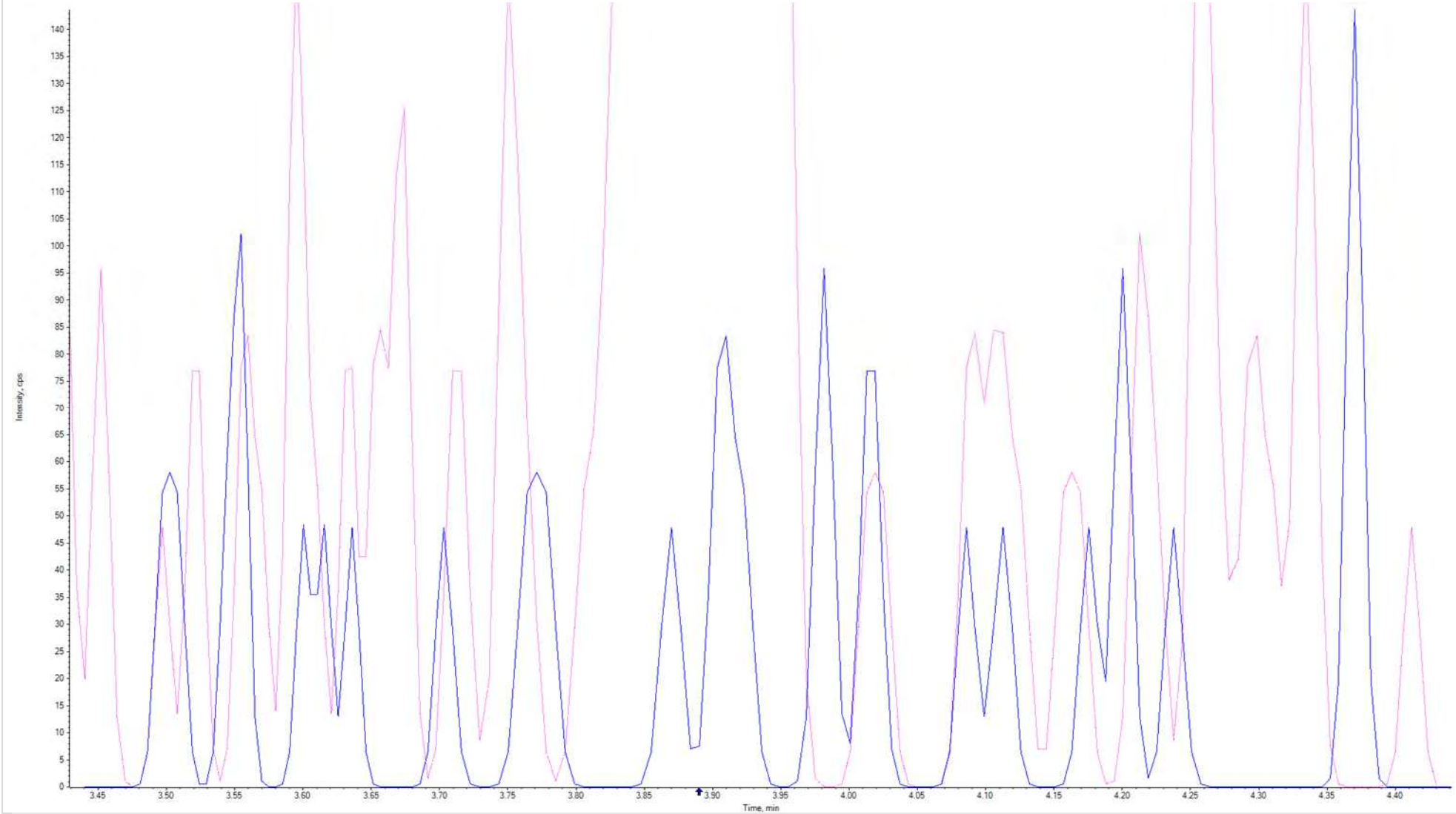

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PFNS
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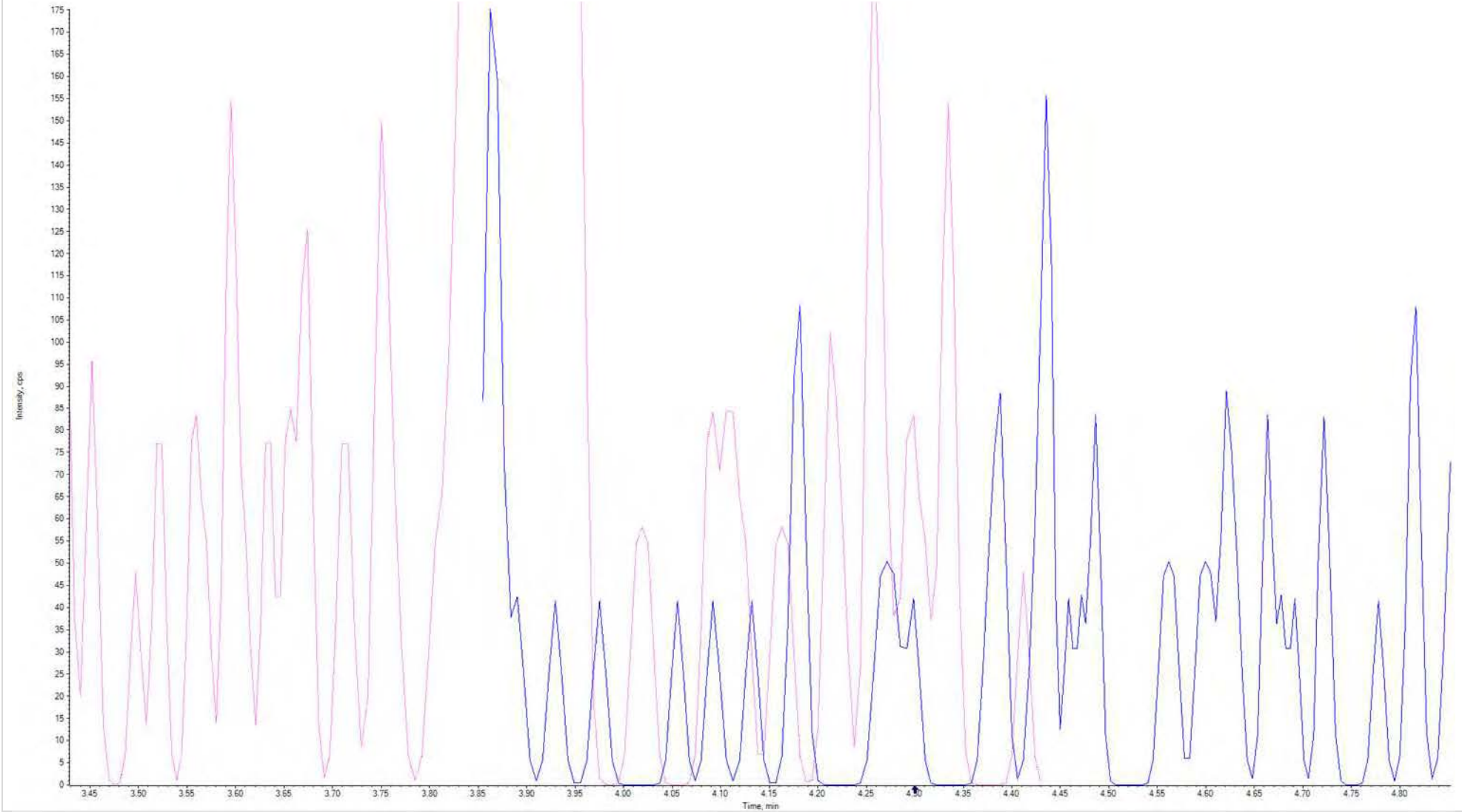

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PFNS_2
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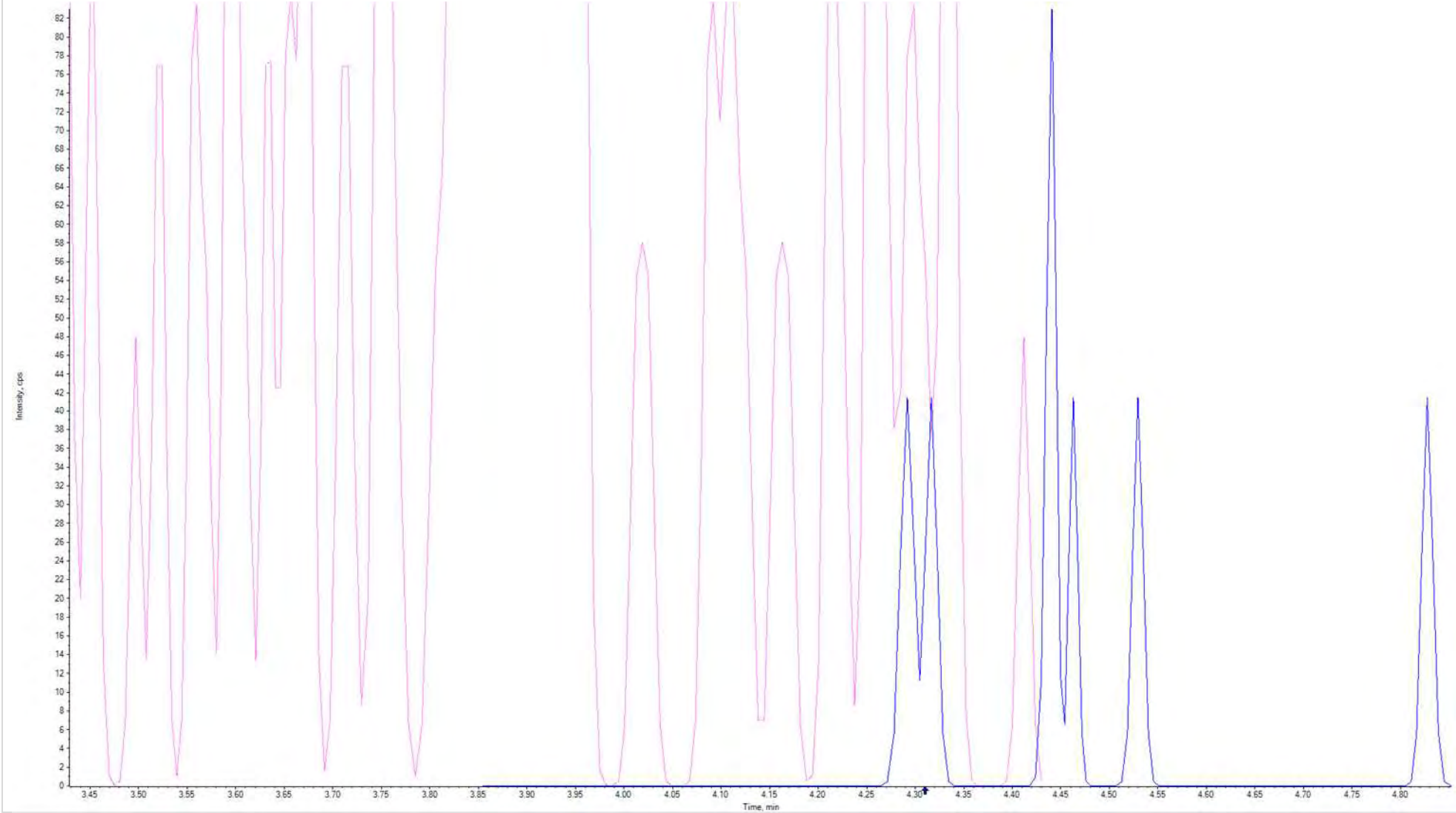

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PFDS
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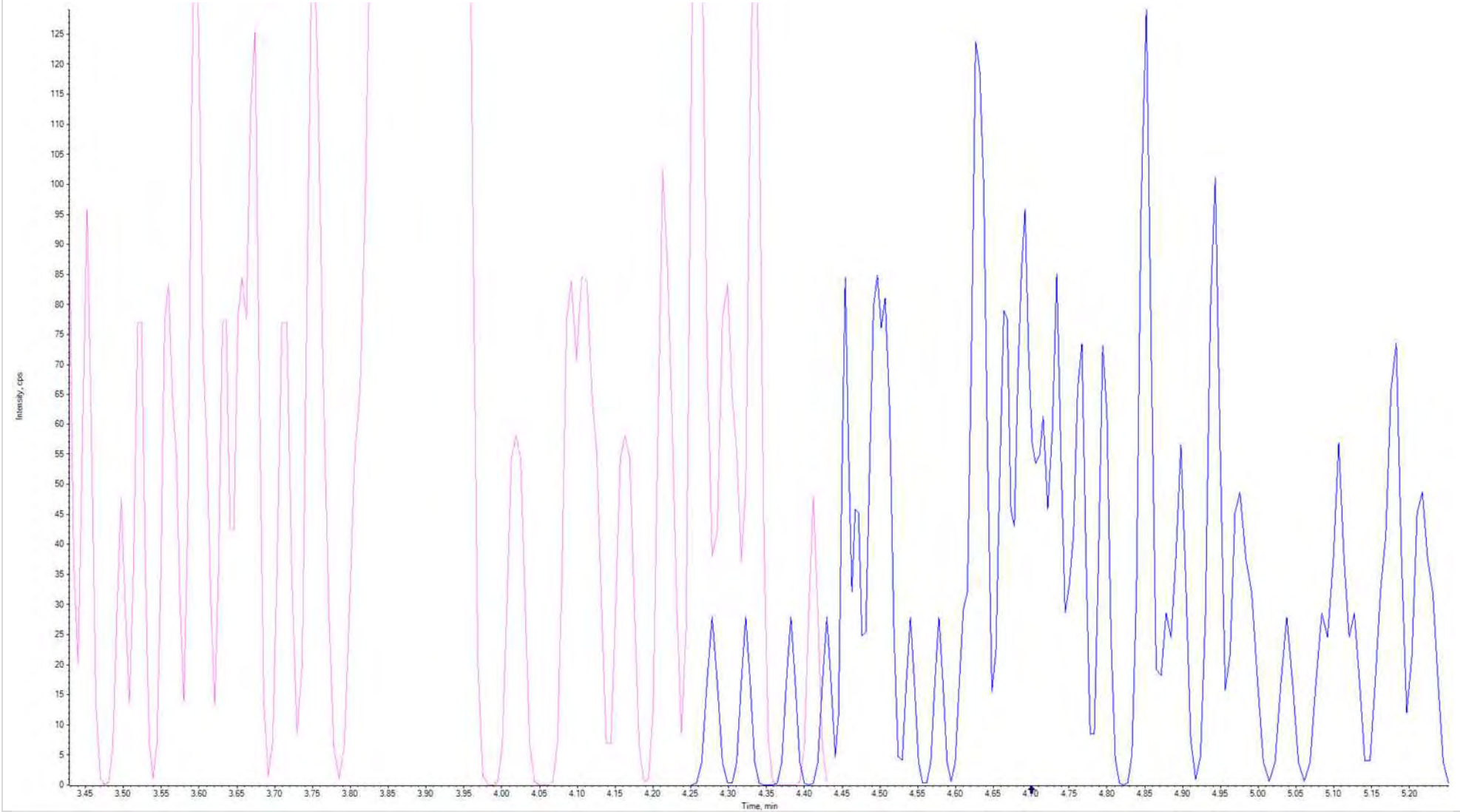

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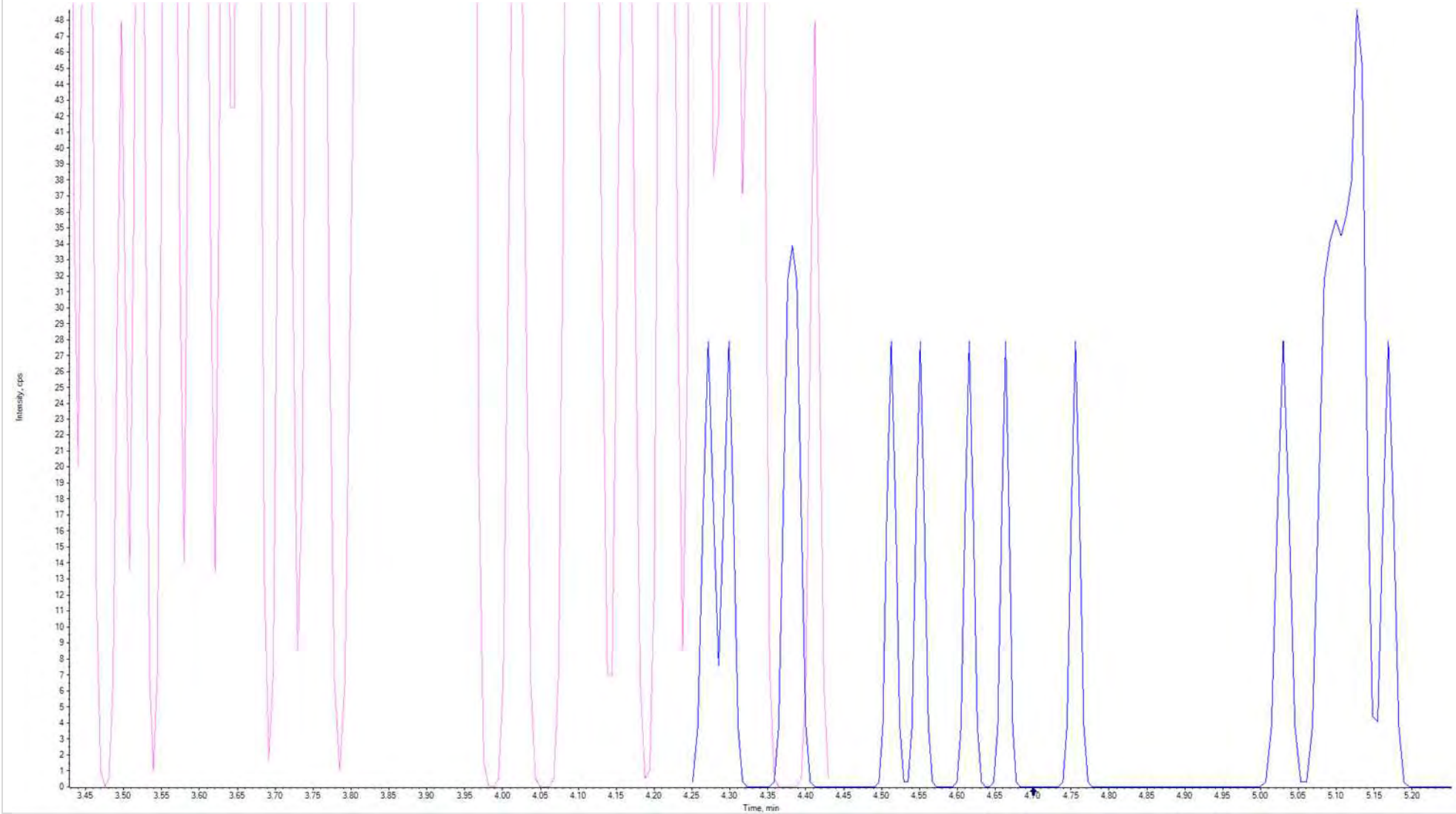

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PFDoS
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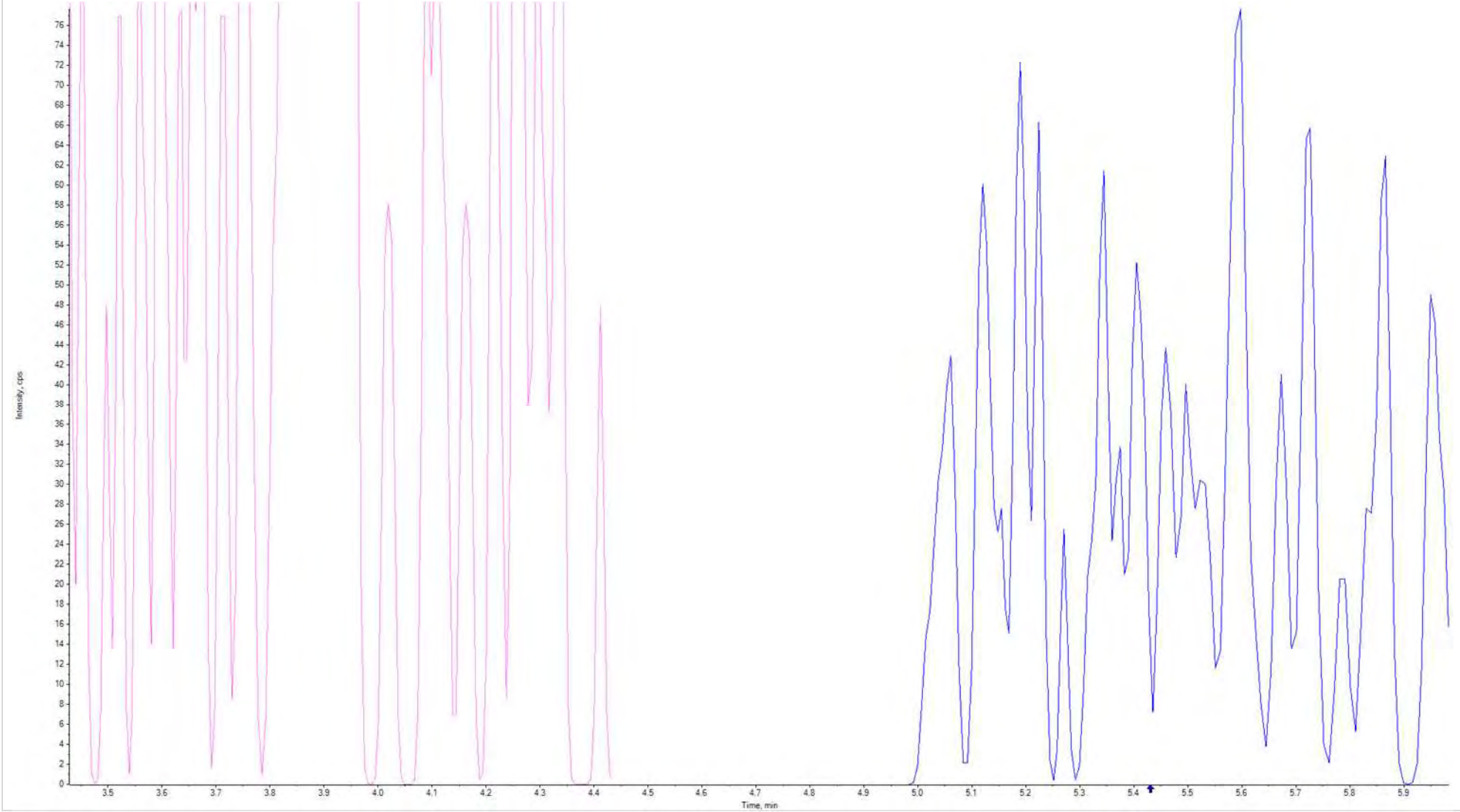

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PFDoS_2
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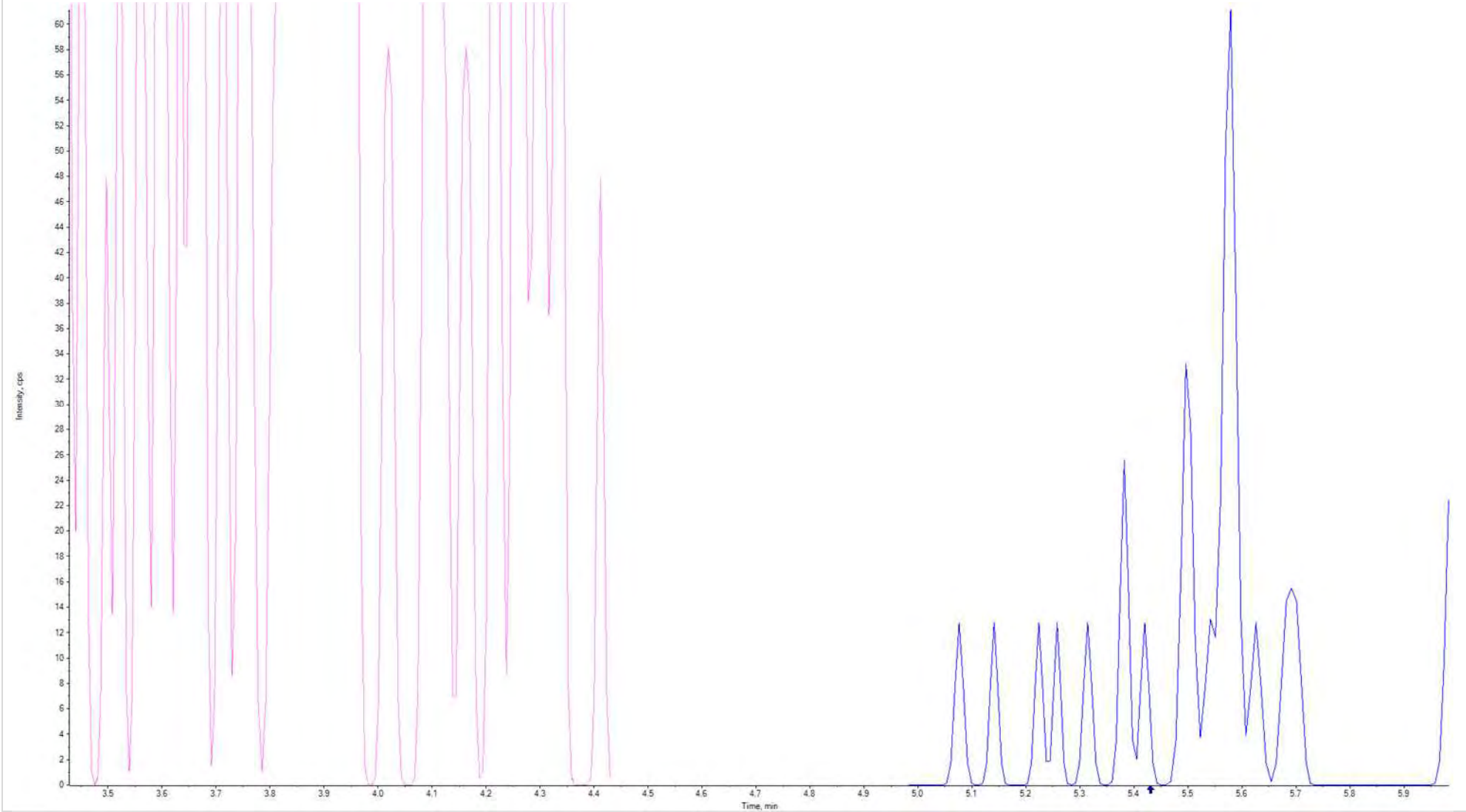

4:2FTS
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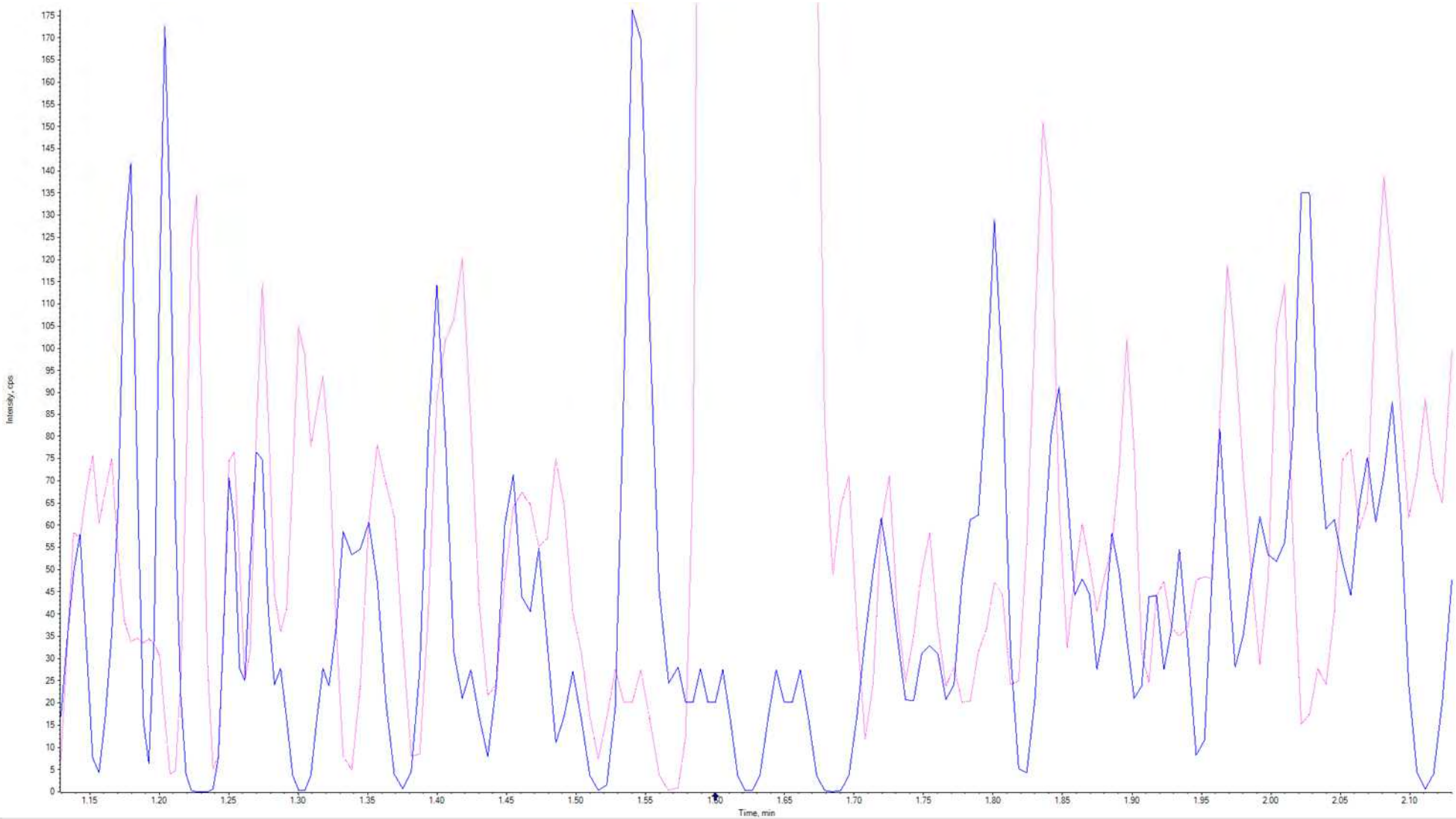

4:2FTS_2
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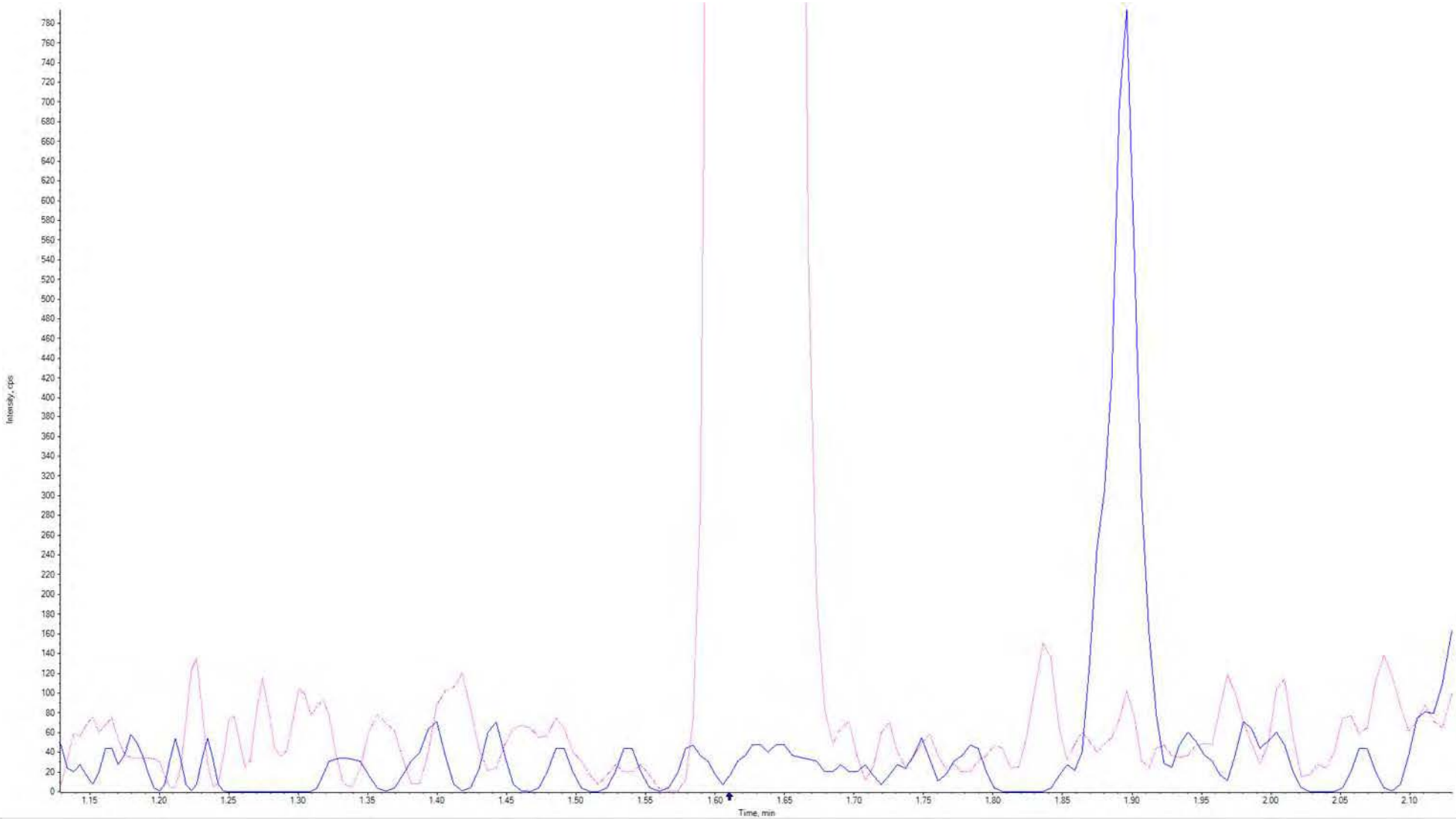

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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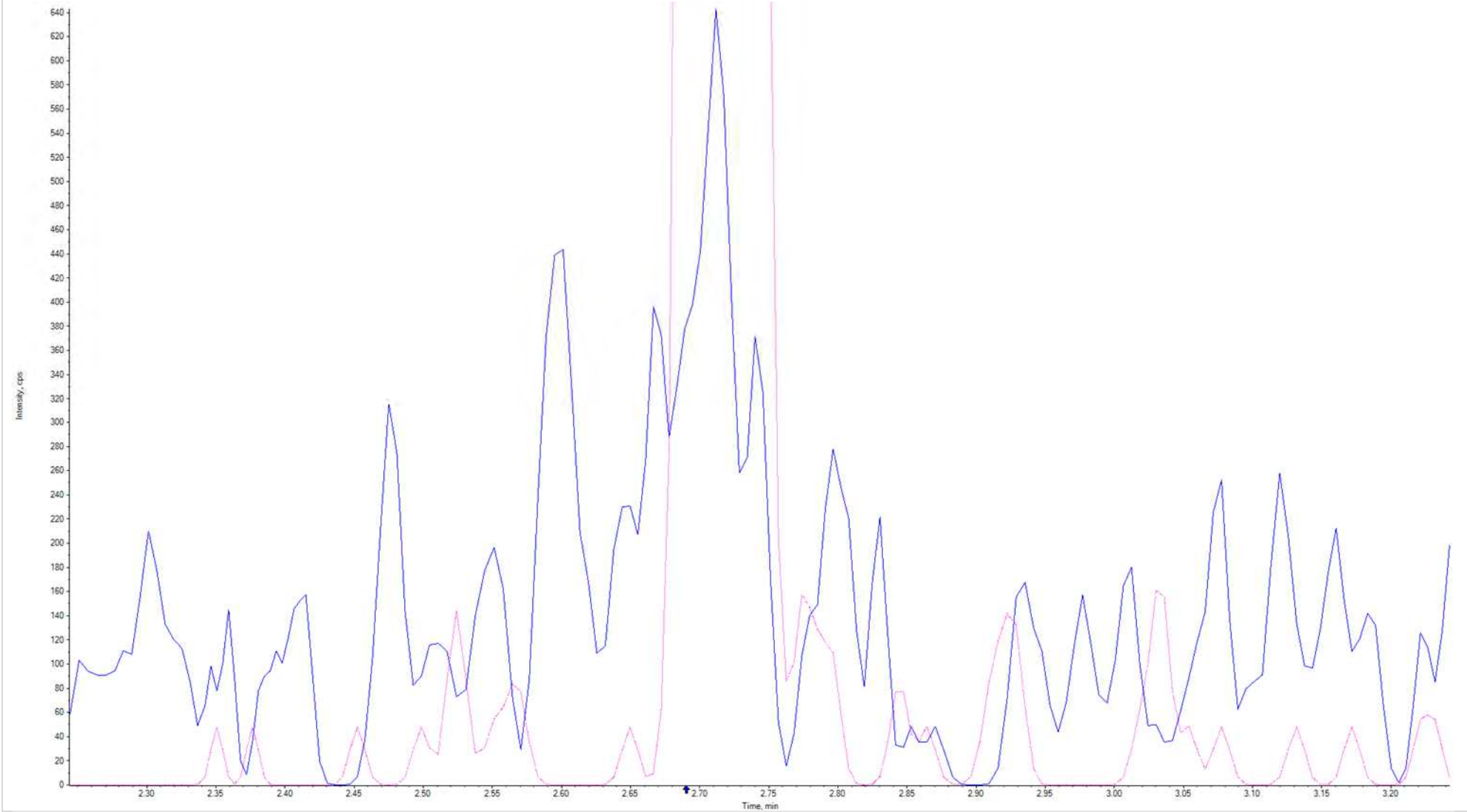
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

6:2FTS
Sample: L2467934-10 S/N:N/A Points Across peak:N/A



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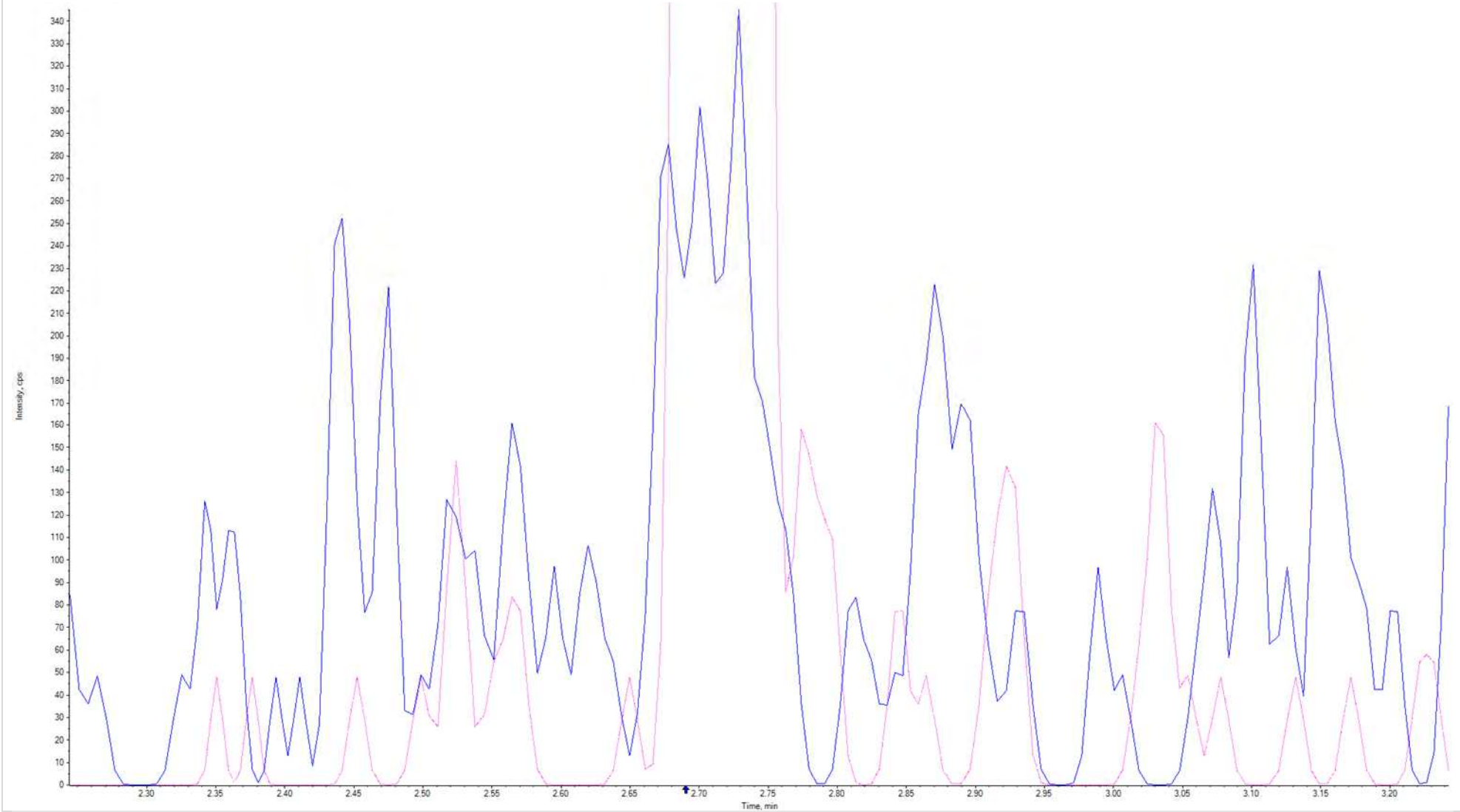
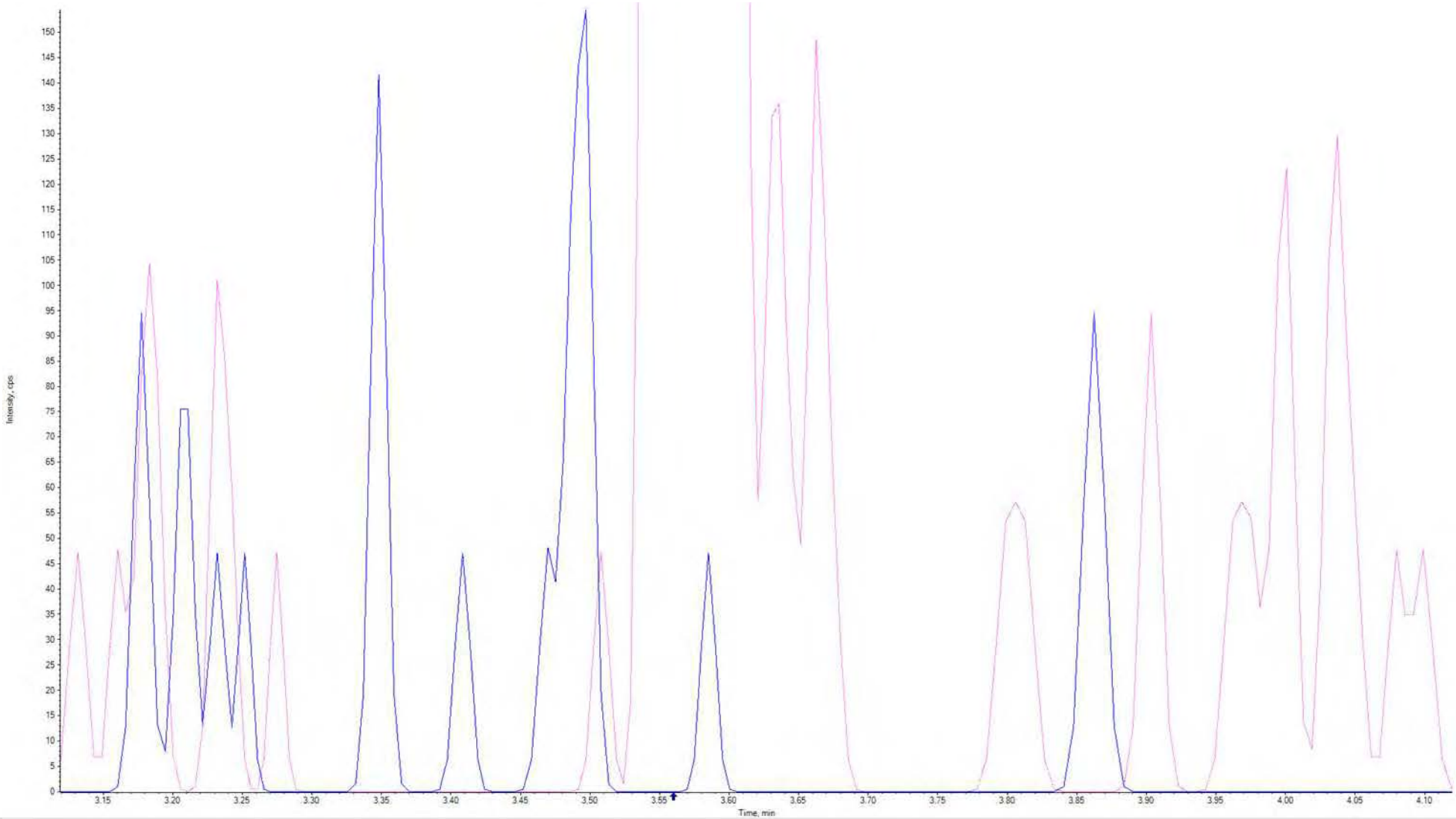
Generated: 12/23/2024 2:36:12 PM

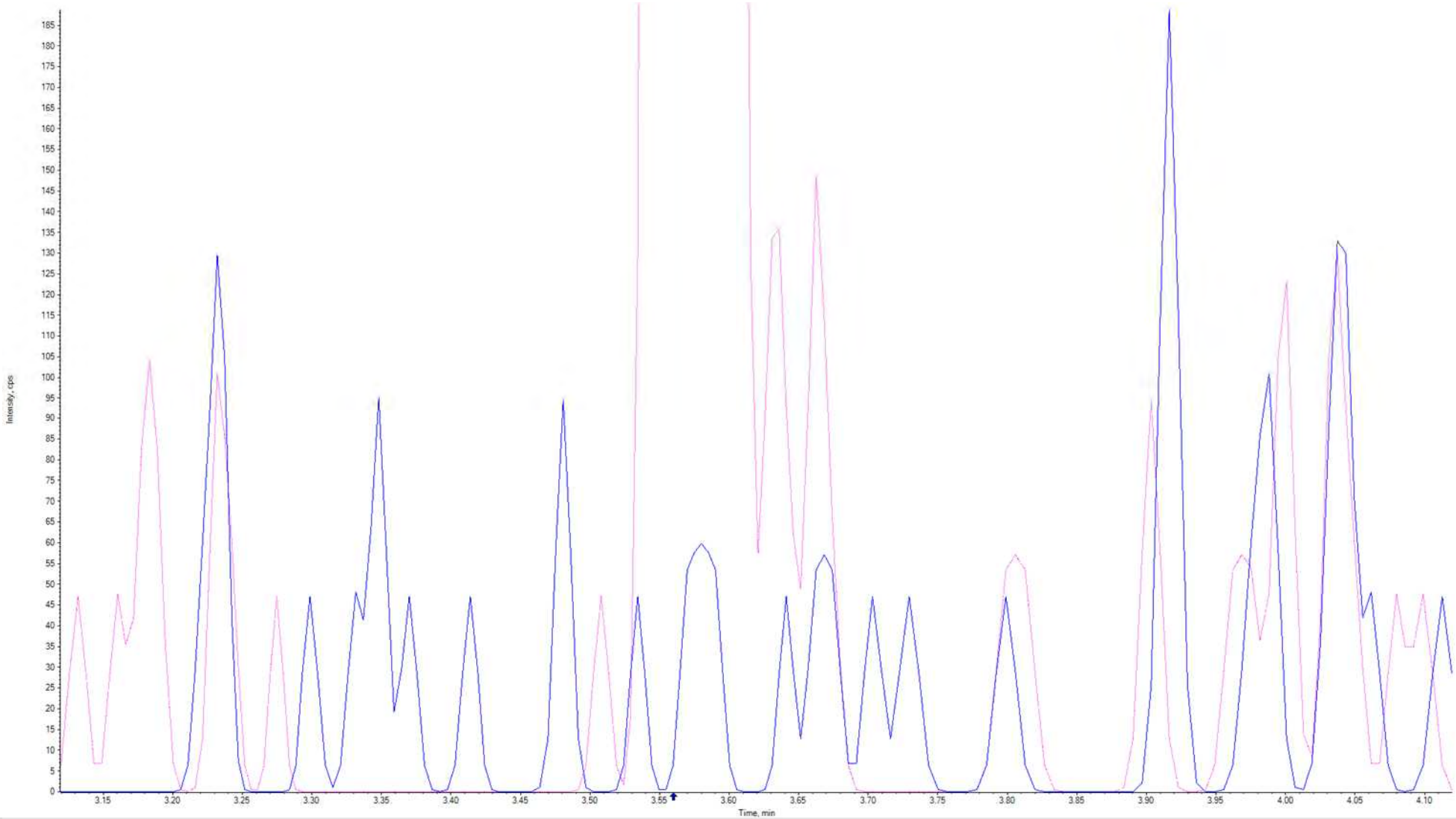
6:2FTS_2
Sample: L2467934-10 S/N:N/A Points Across peak:N/A



8:2FTS
Sample: L2467934-10 S/N:N/A Points Across peak:N/A



8:2FTS_2
Sample: L2467934-10 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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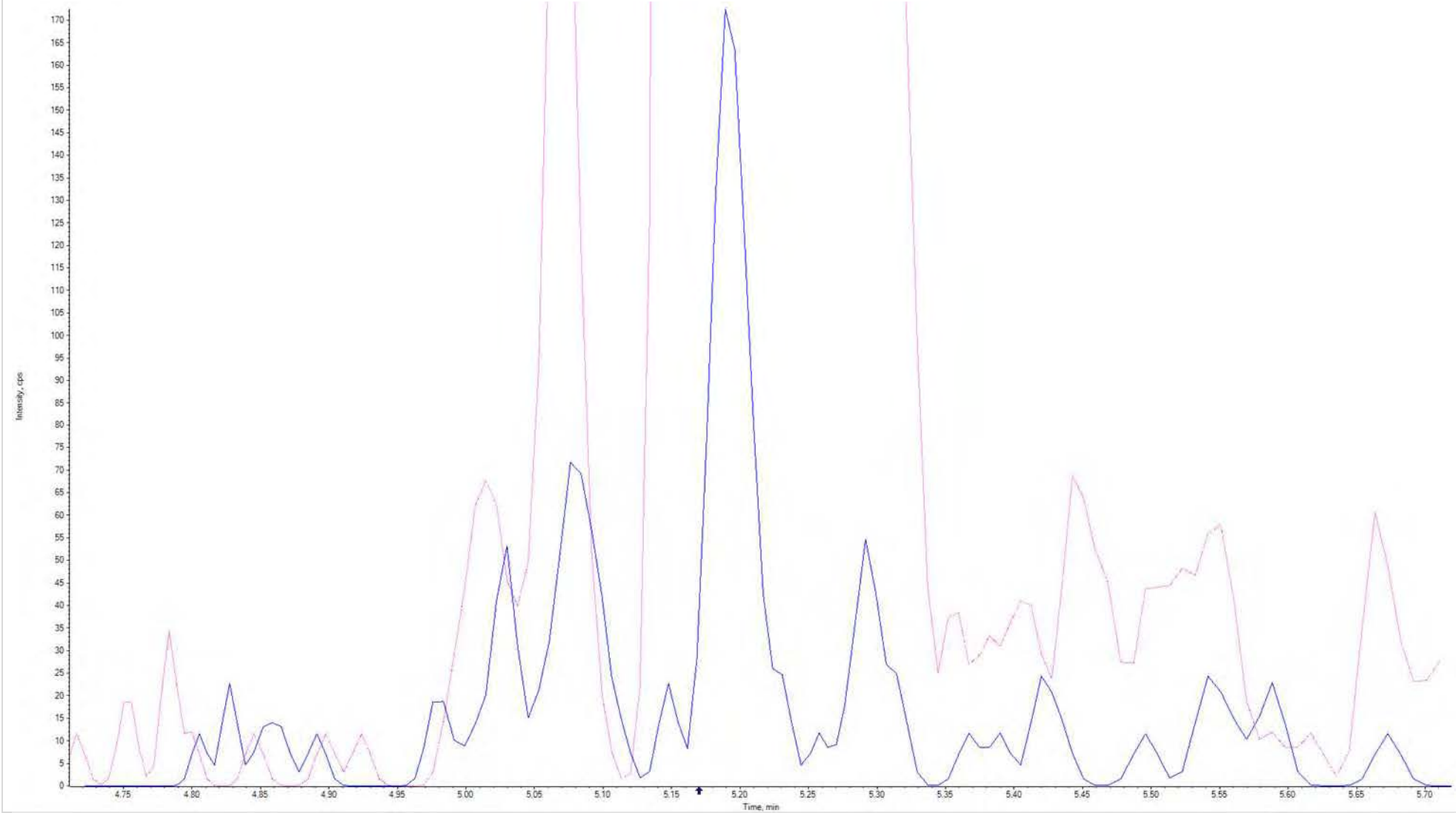
Generated: 12/23/2024 2:36:12 PM

PFOSA
Sample: L2467934-10 S/N:N/A Points Across peak:N/A



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Alpha Analytical LLC
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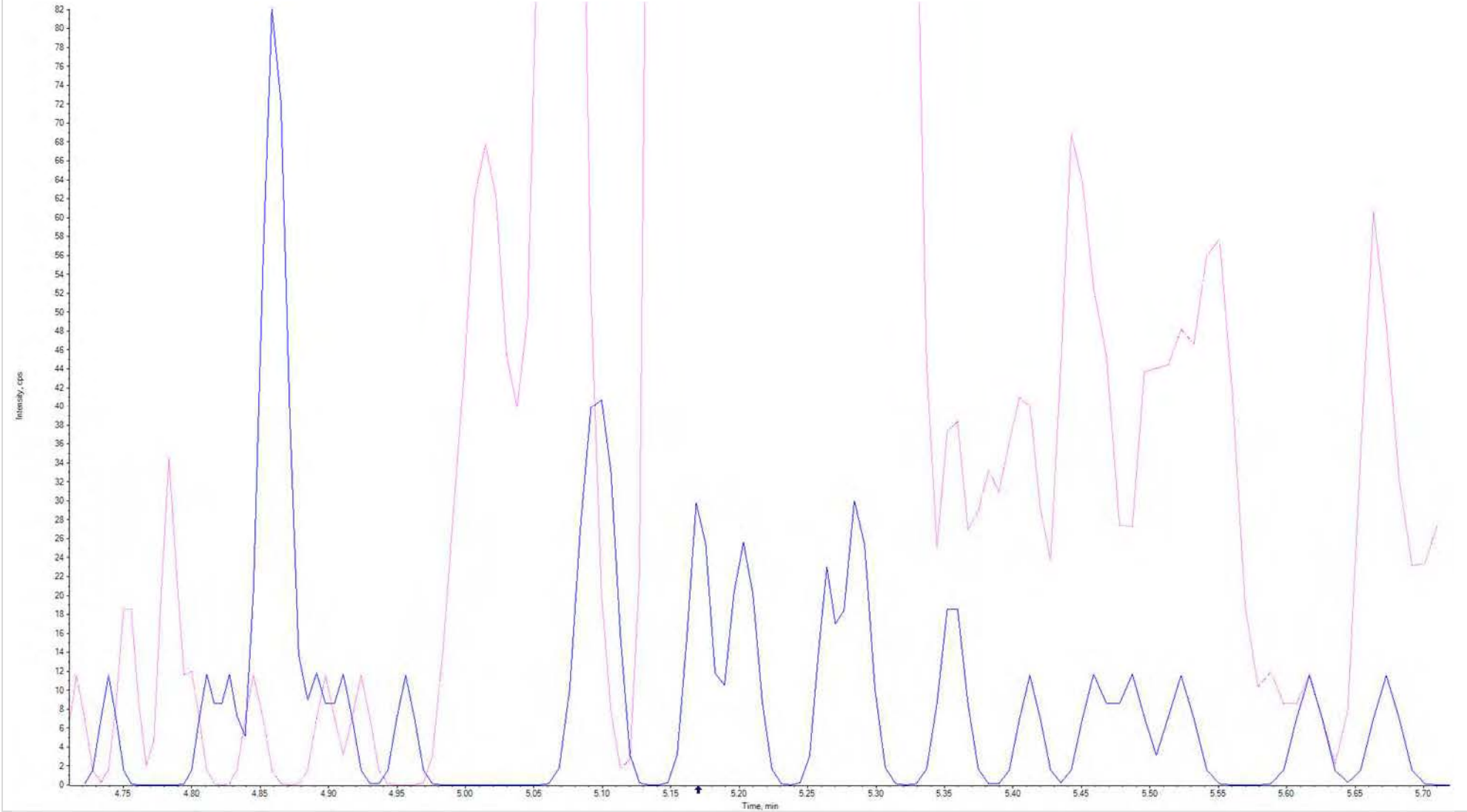
PFOSA_2
Sample: L2467934-10 S/N:N/A Points Across peak:N/A



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Alpha Analytical LLC
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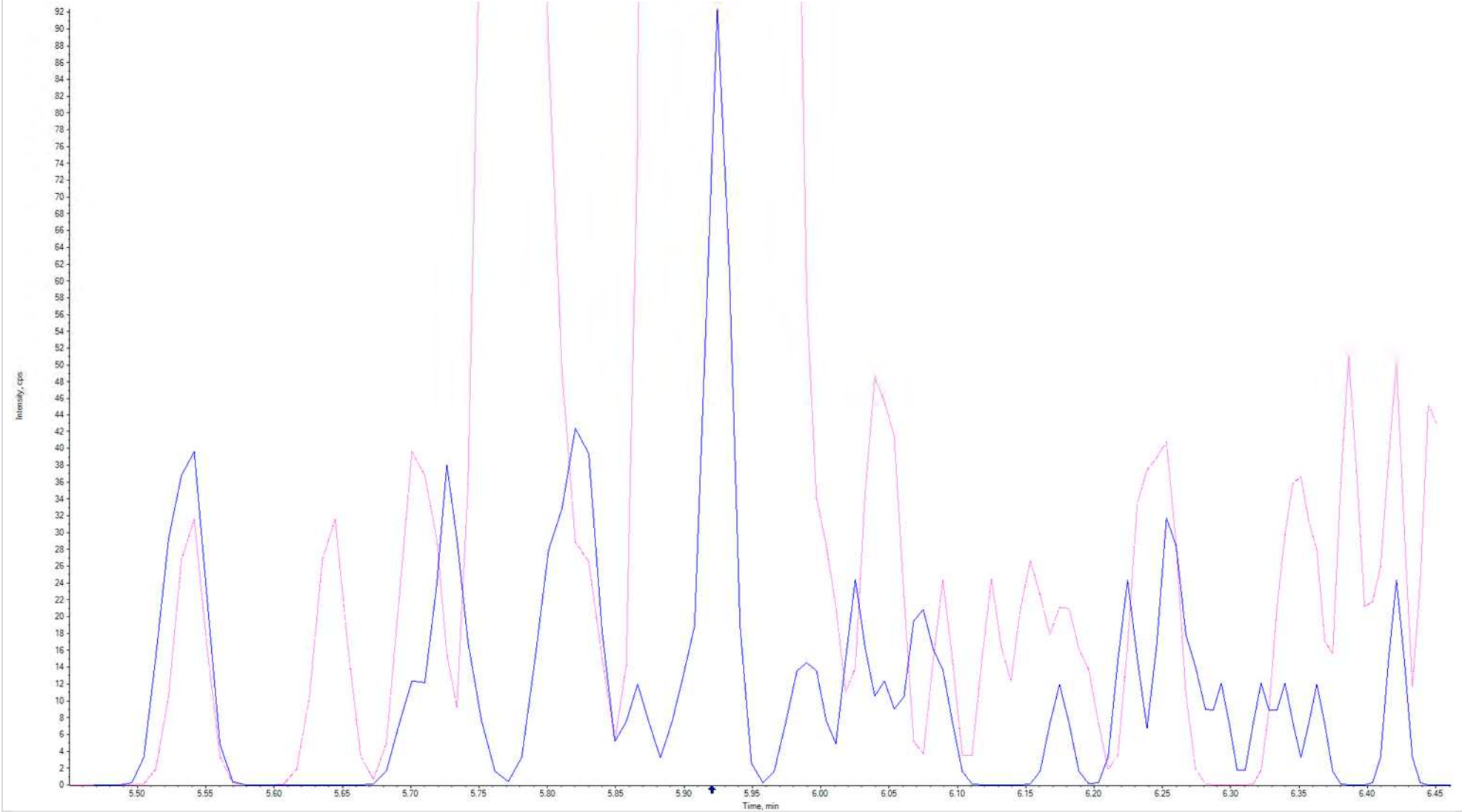
NMeFOSA
Sample: L2467934-10 S/N:N/A Points Across peak:N/A



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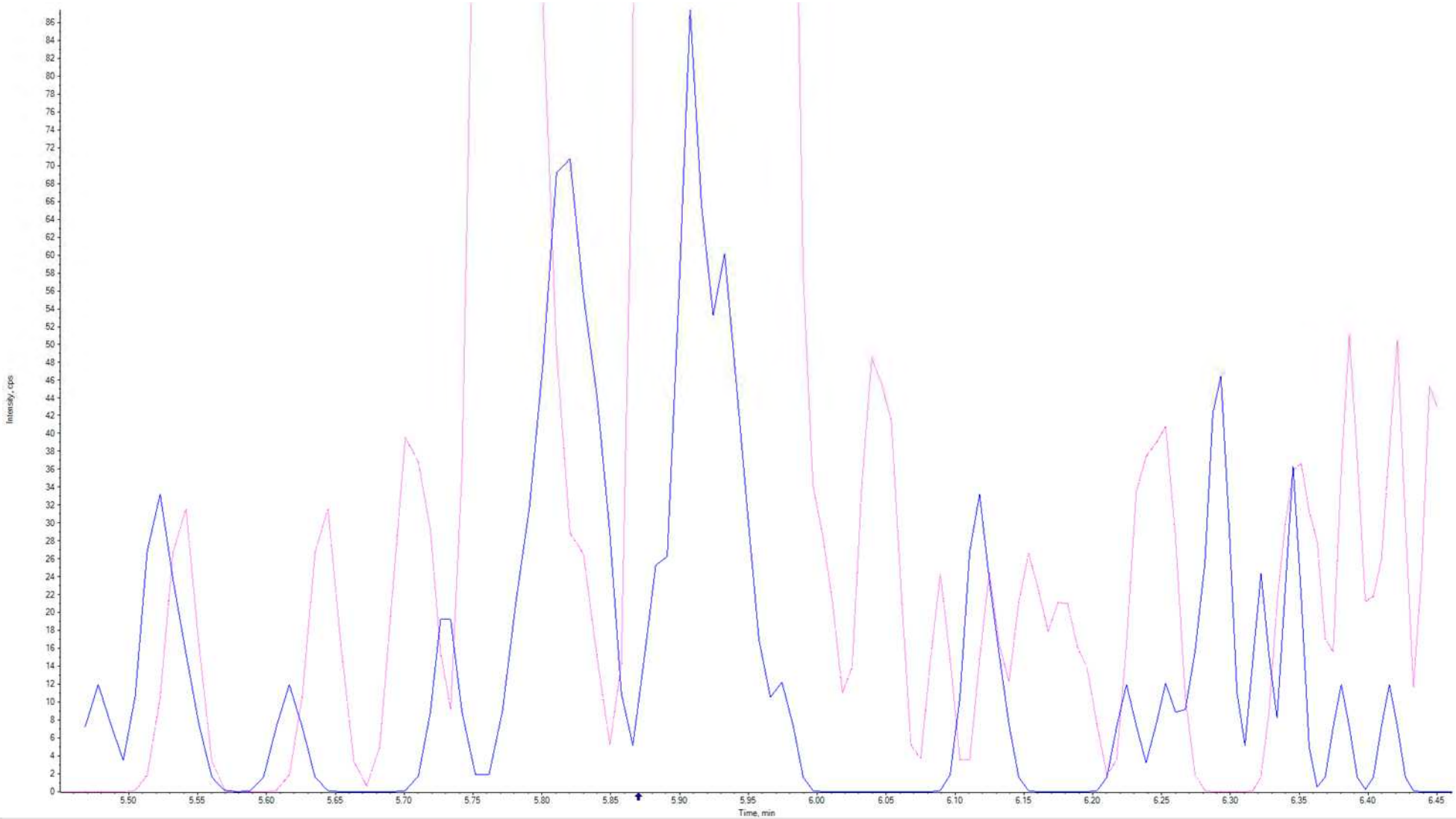
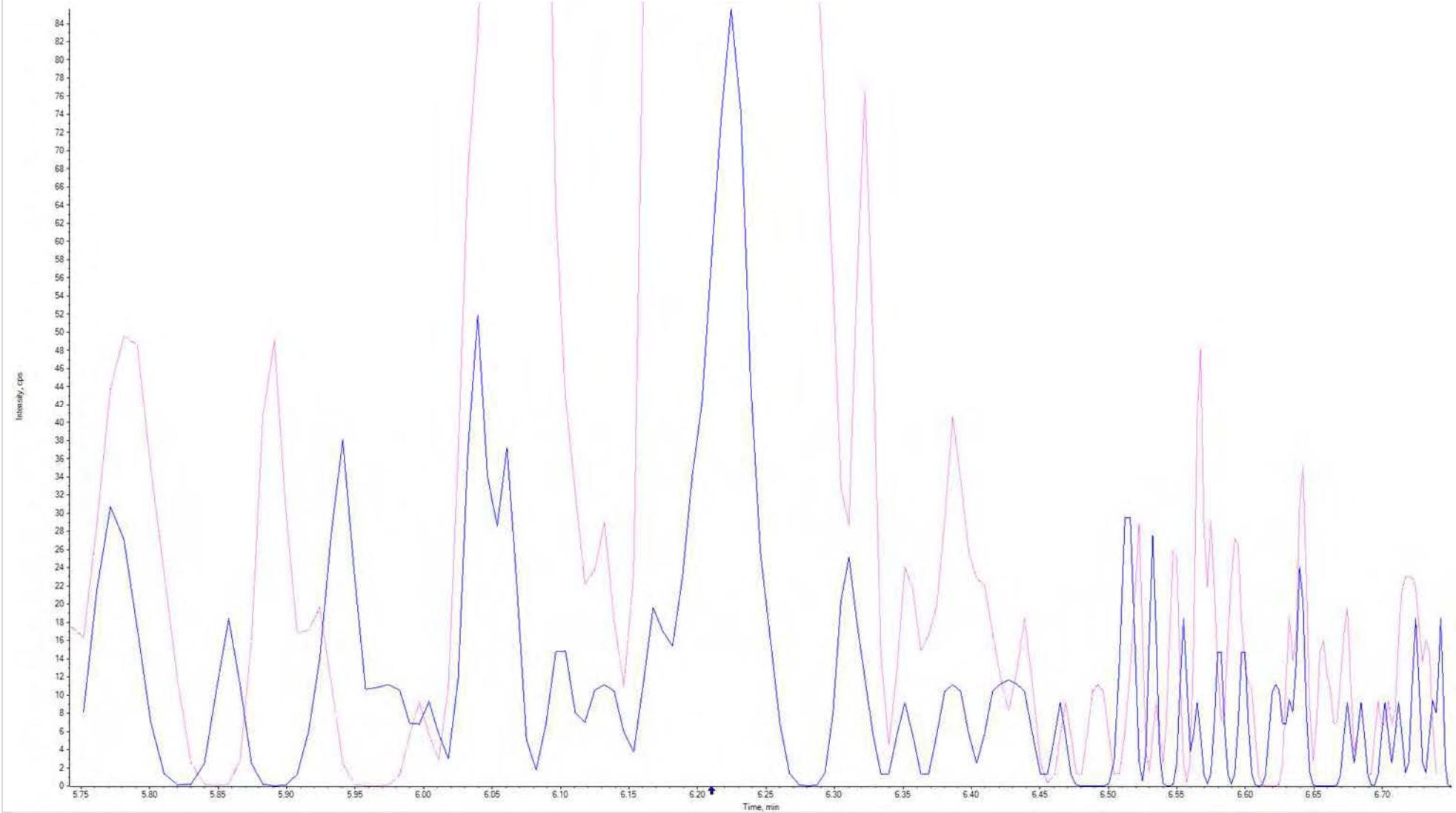
NMeFOSA_2
Sample: L2467934-10 S/N:N/A Points Across peak:N/A



NEtFOSA
Sample: L2467934-10 S/N:N/A Points Across peak:N/A



NEtFOSA_2
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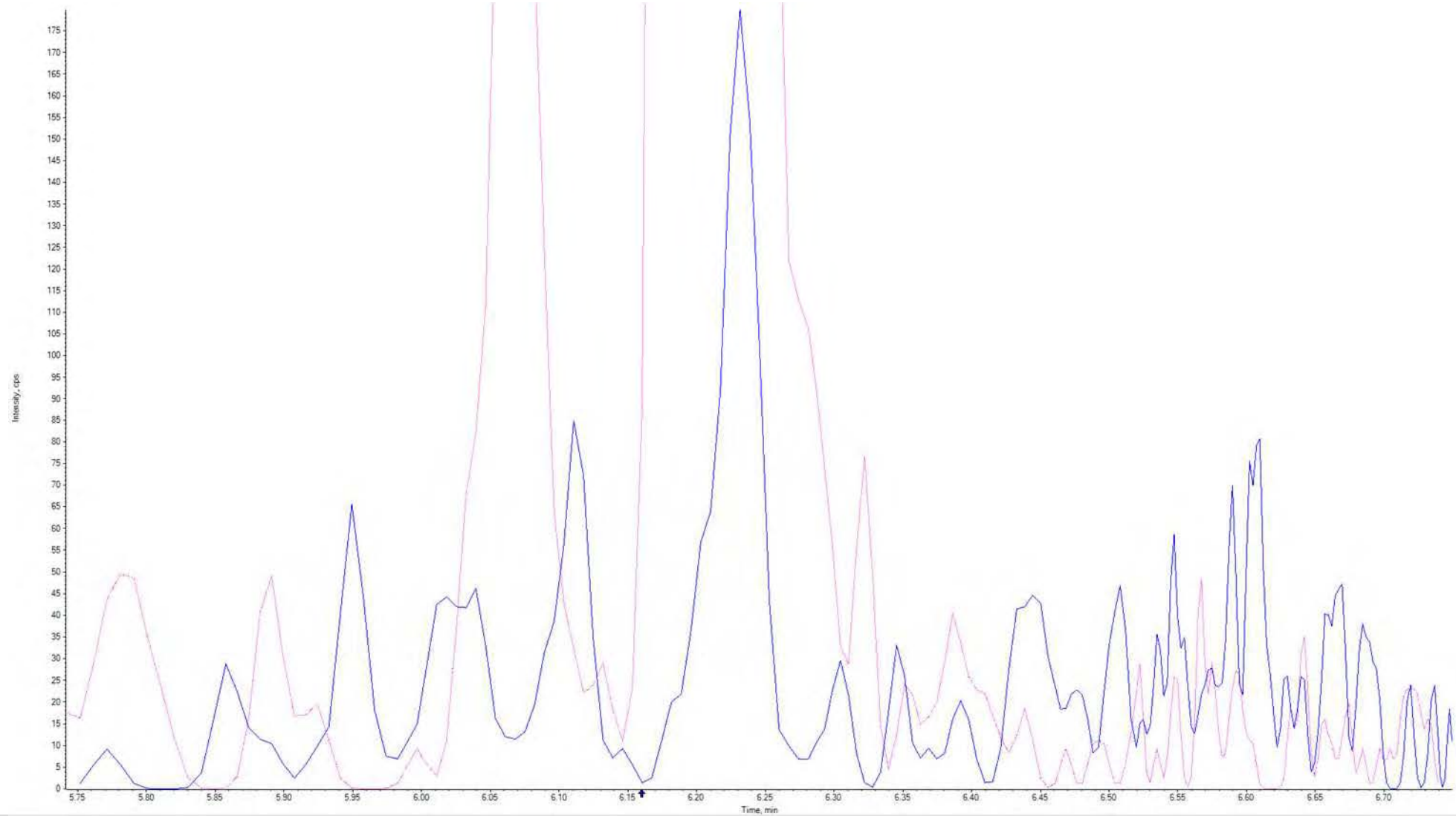
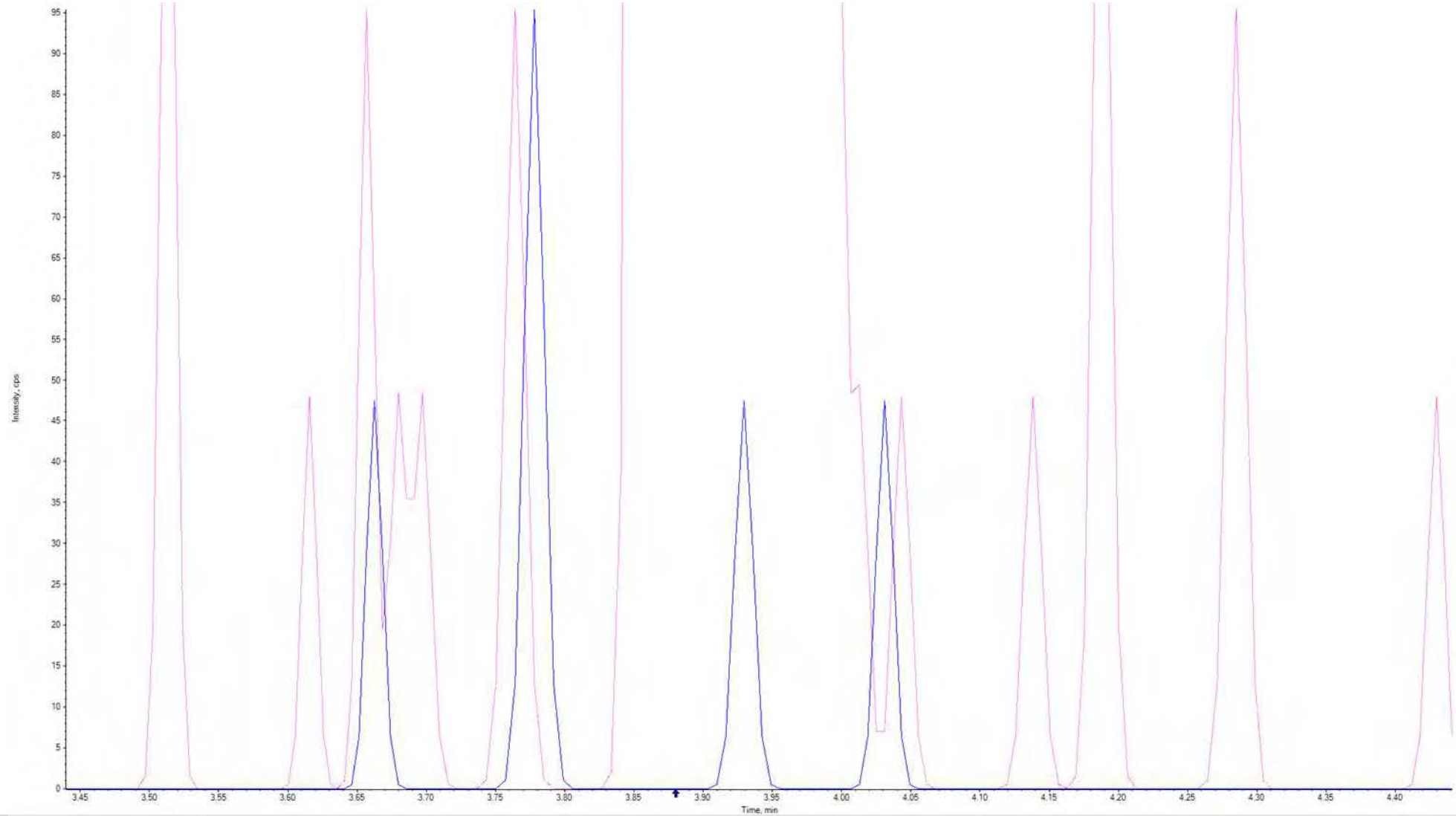


NMeFOSAA
Sample: L2467934-10 S/N:N/A Points Across peak:N/A



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Alpha Analytical LLC
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NMeFOSAA_2
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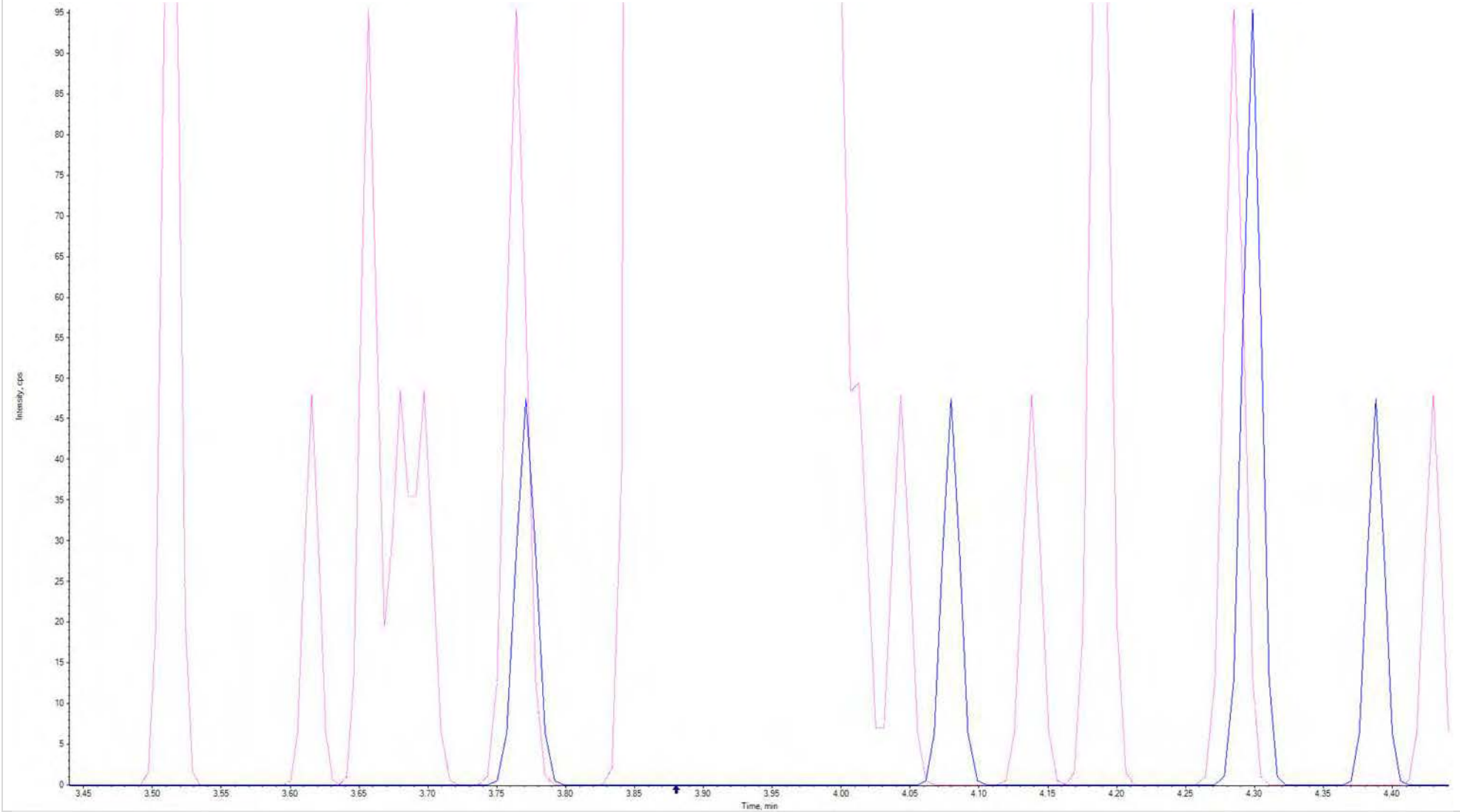

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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NEtFOSAA
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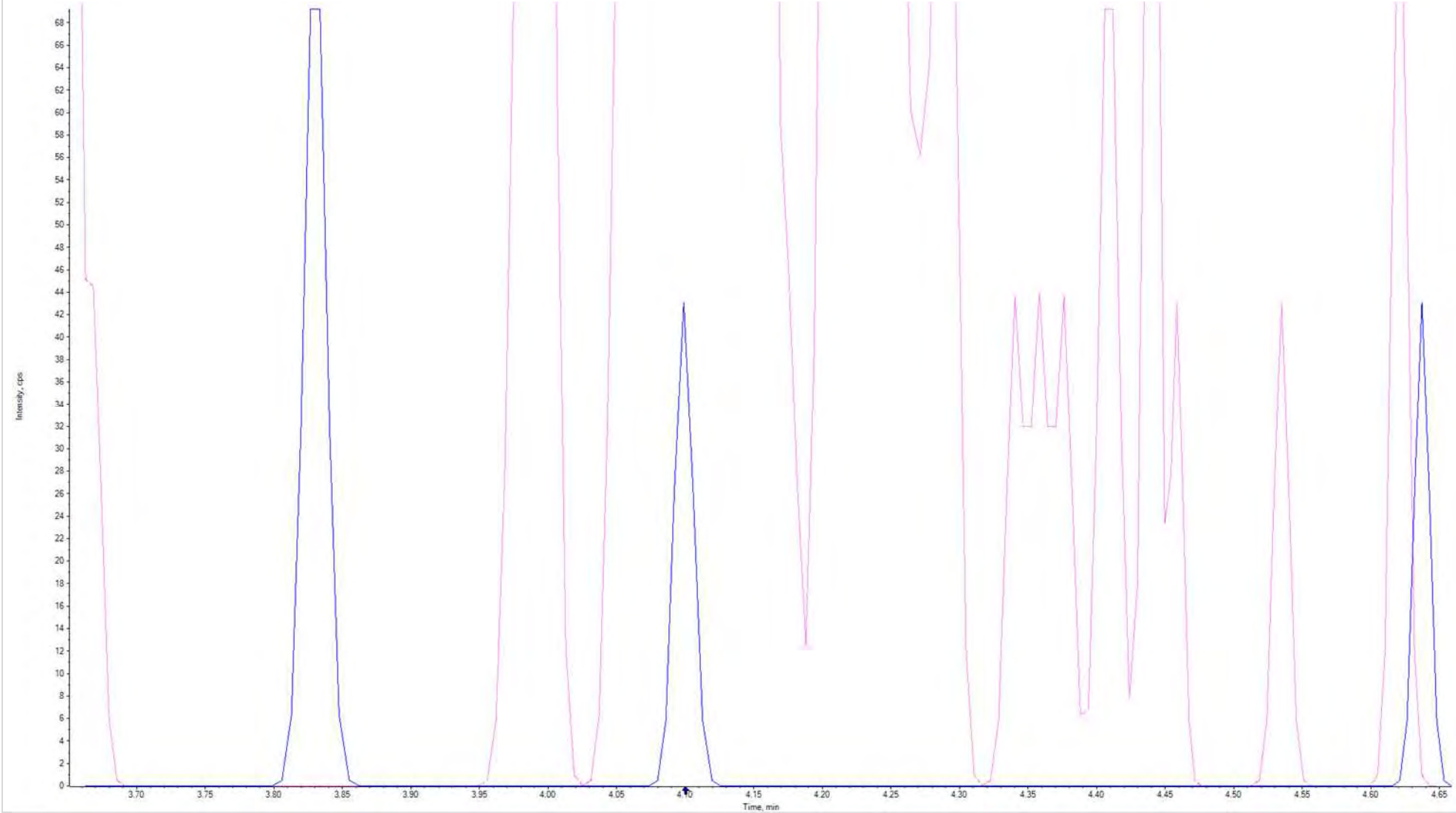
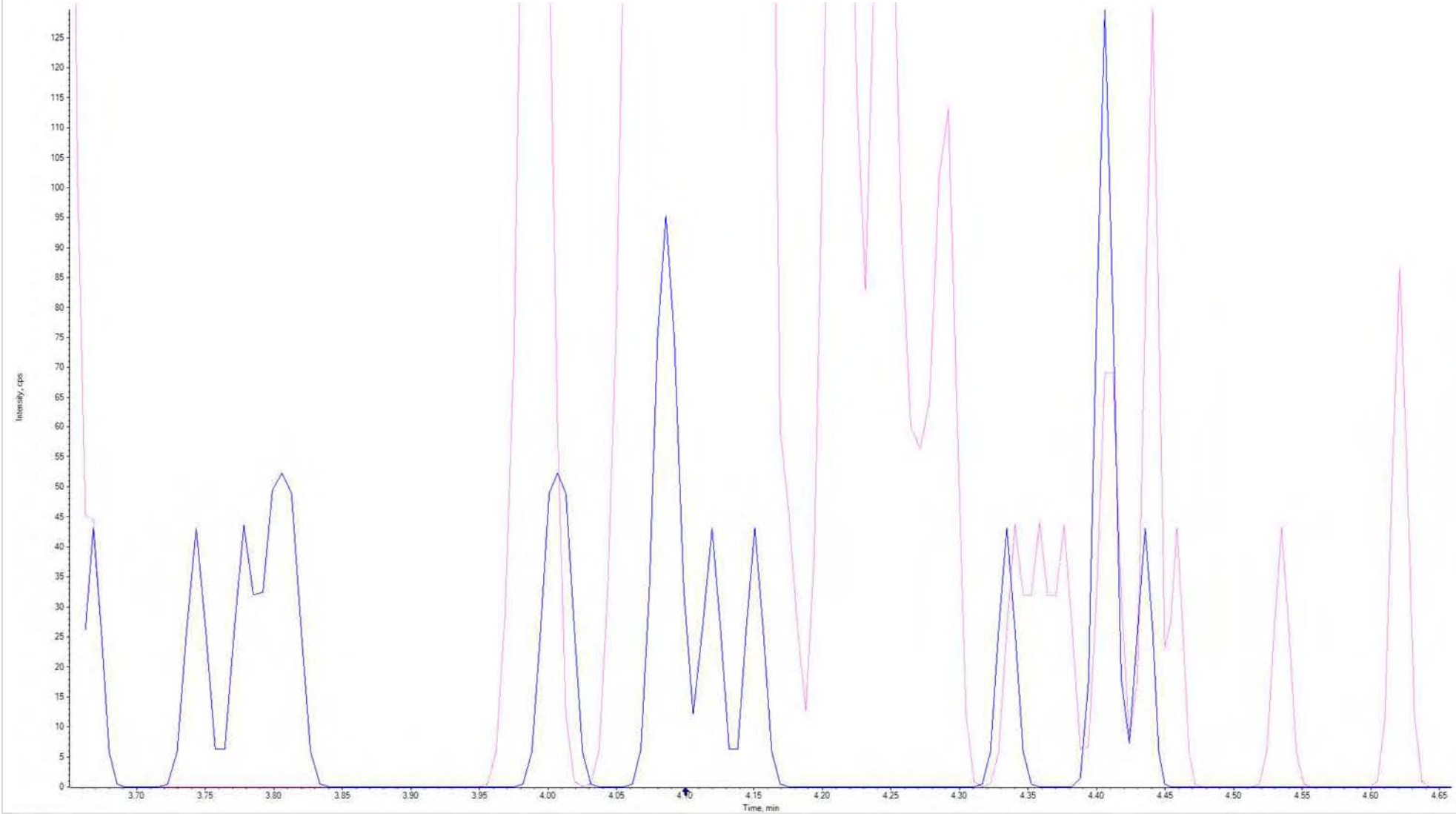


NEtFOSAA_2
Sample: L2467934-10 S/N:N/A Points Across peak:N/A



NMeFOSE
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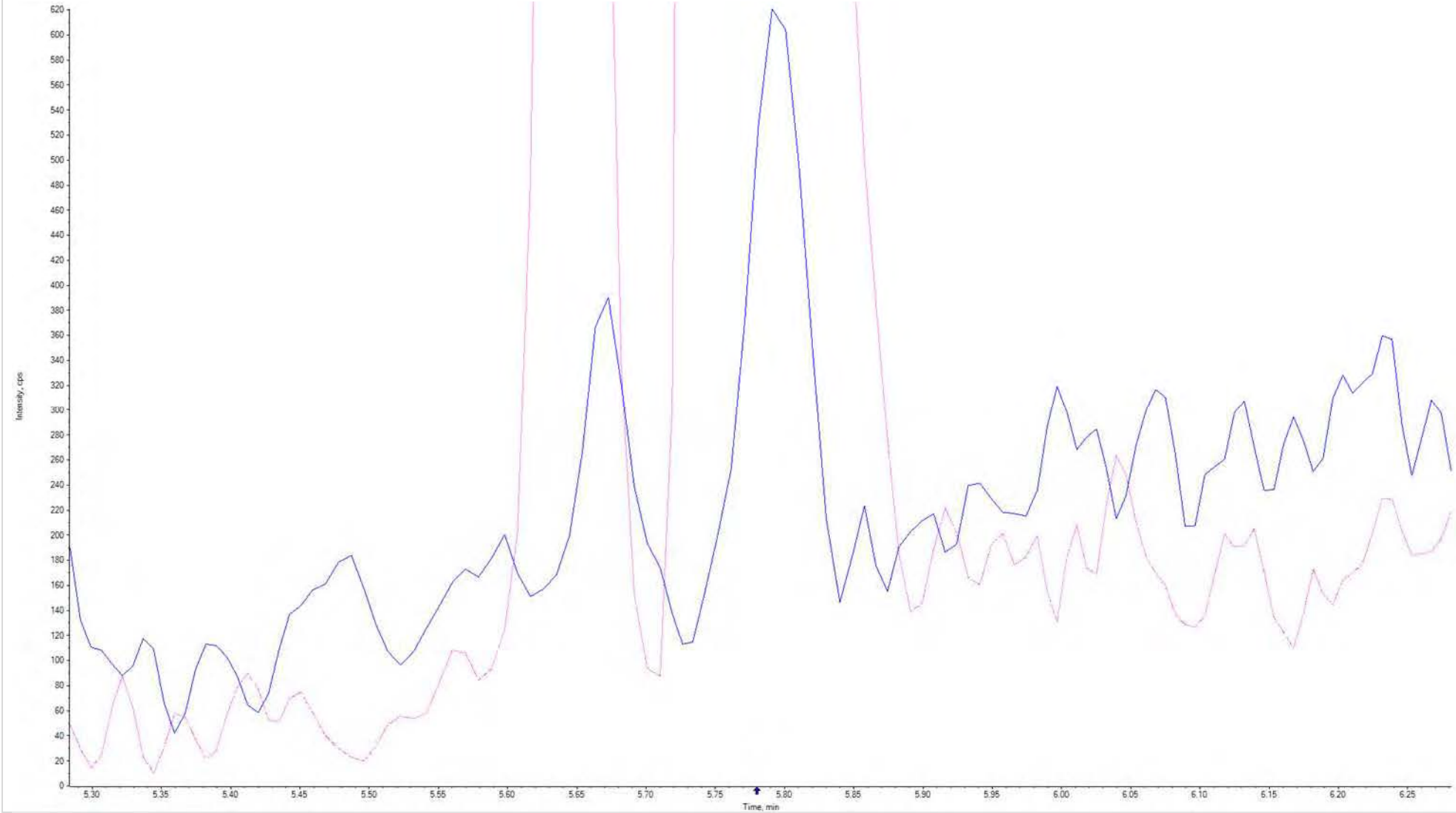

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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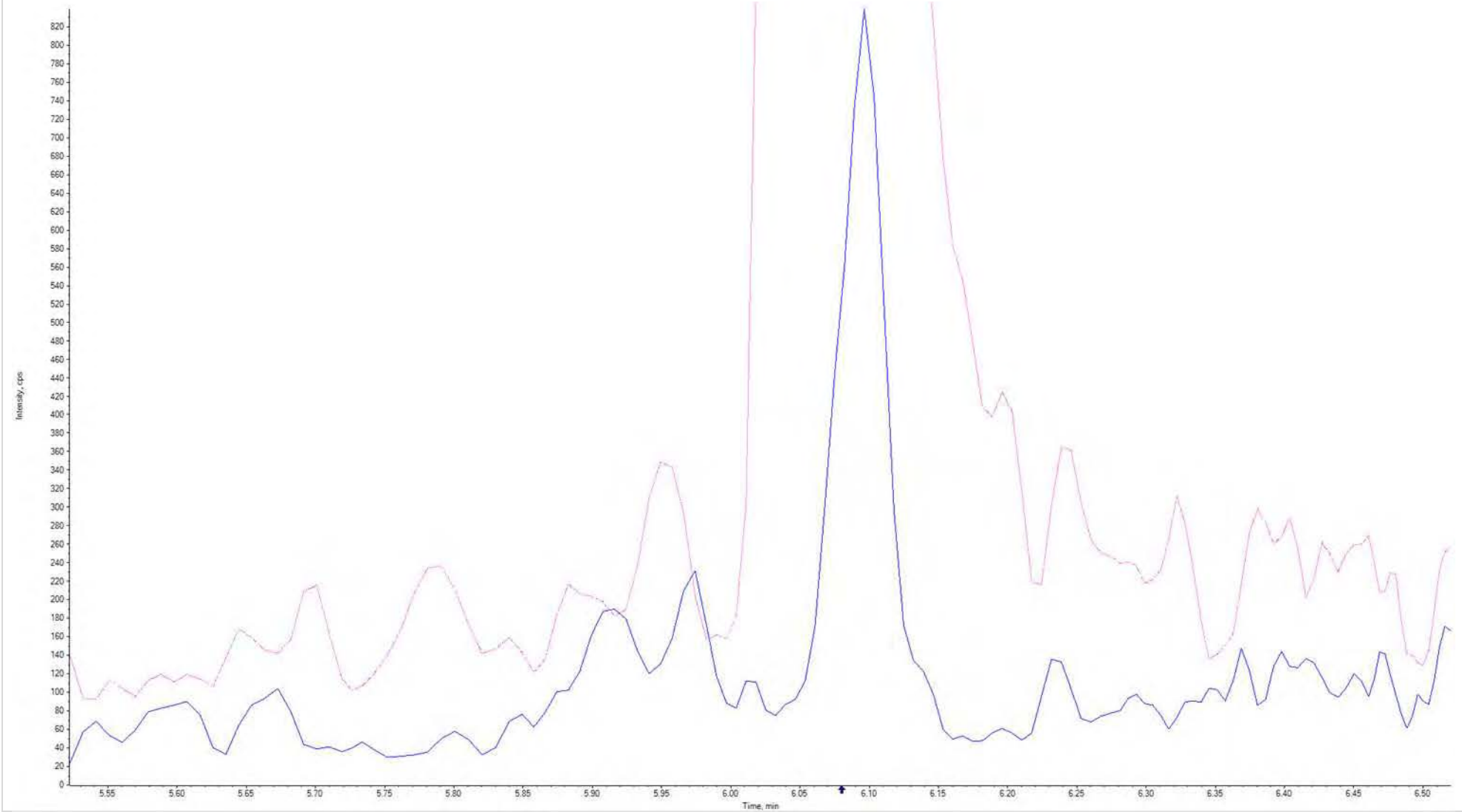
NEtFOSE
Sample: L2467934-10 S/N:N/A Points Across peak:N/A



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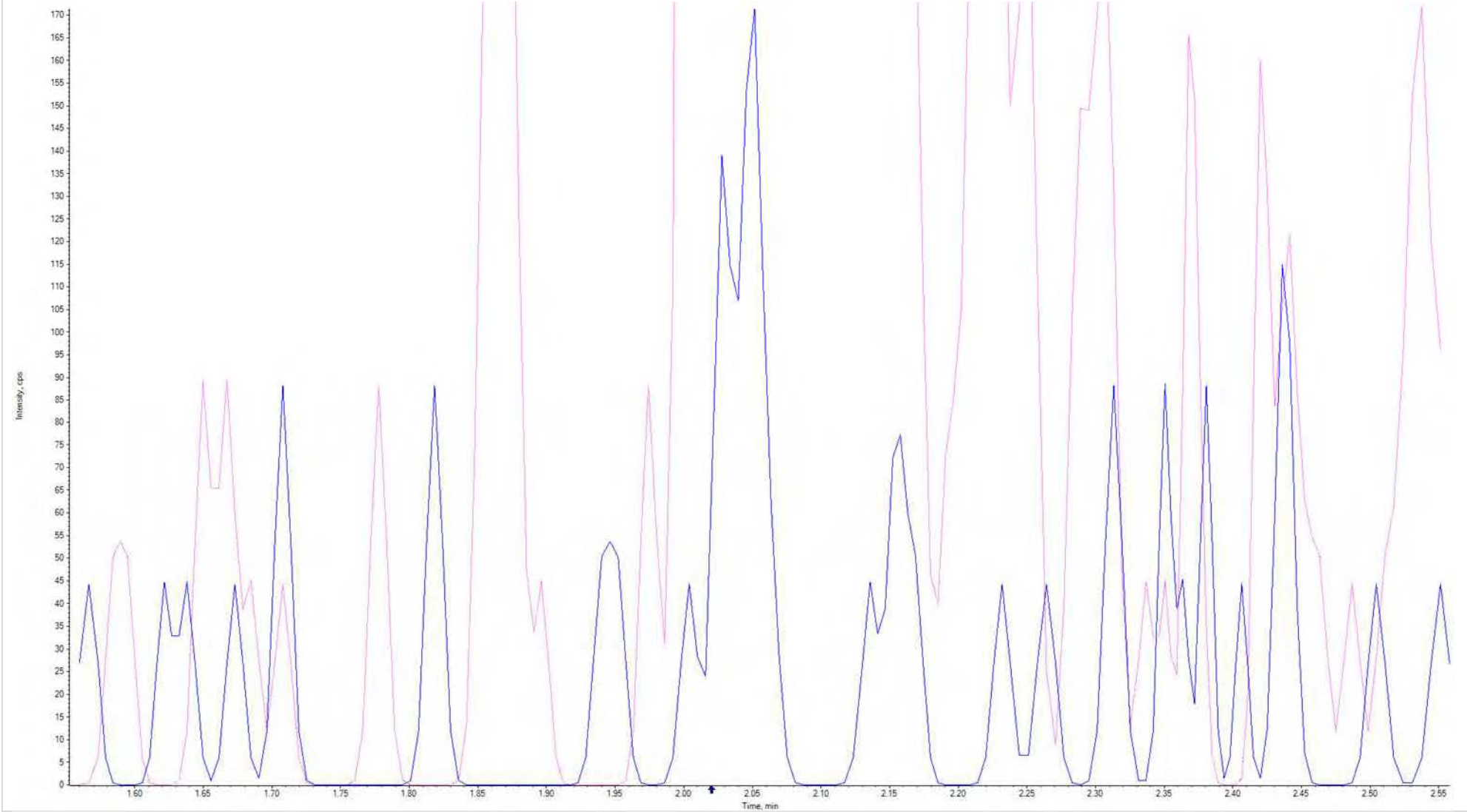
HFPO-DA
Sample: L2467934-10 S/N:N/A Points Across peak:N/A



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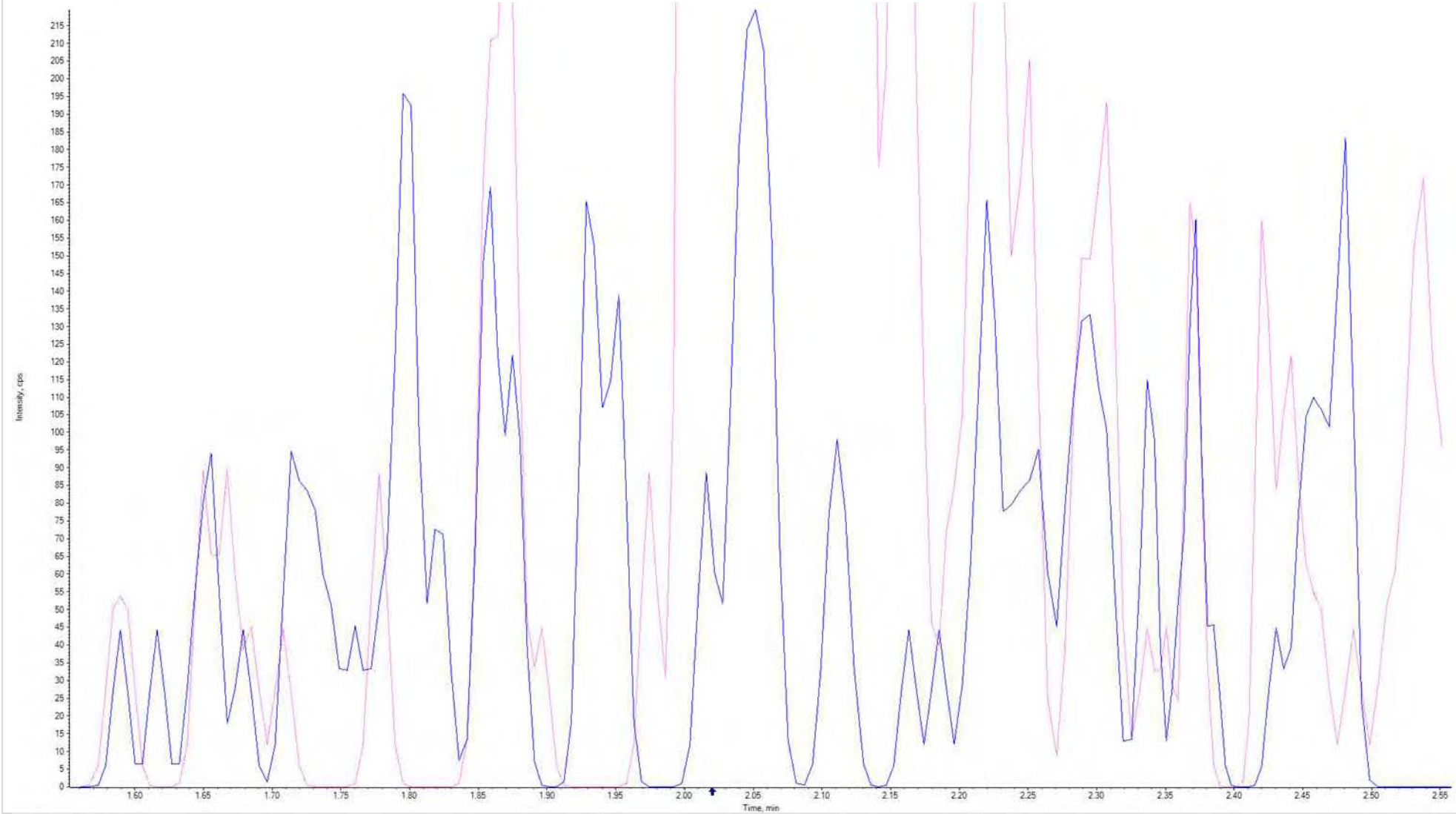
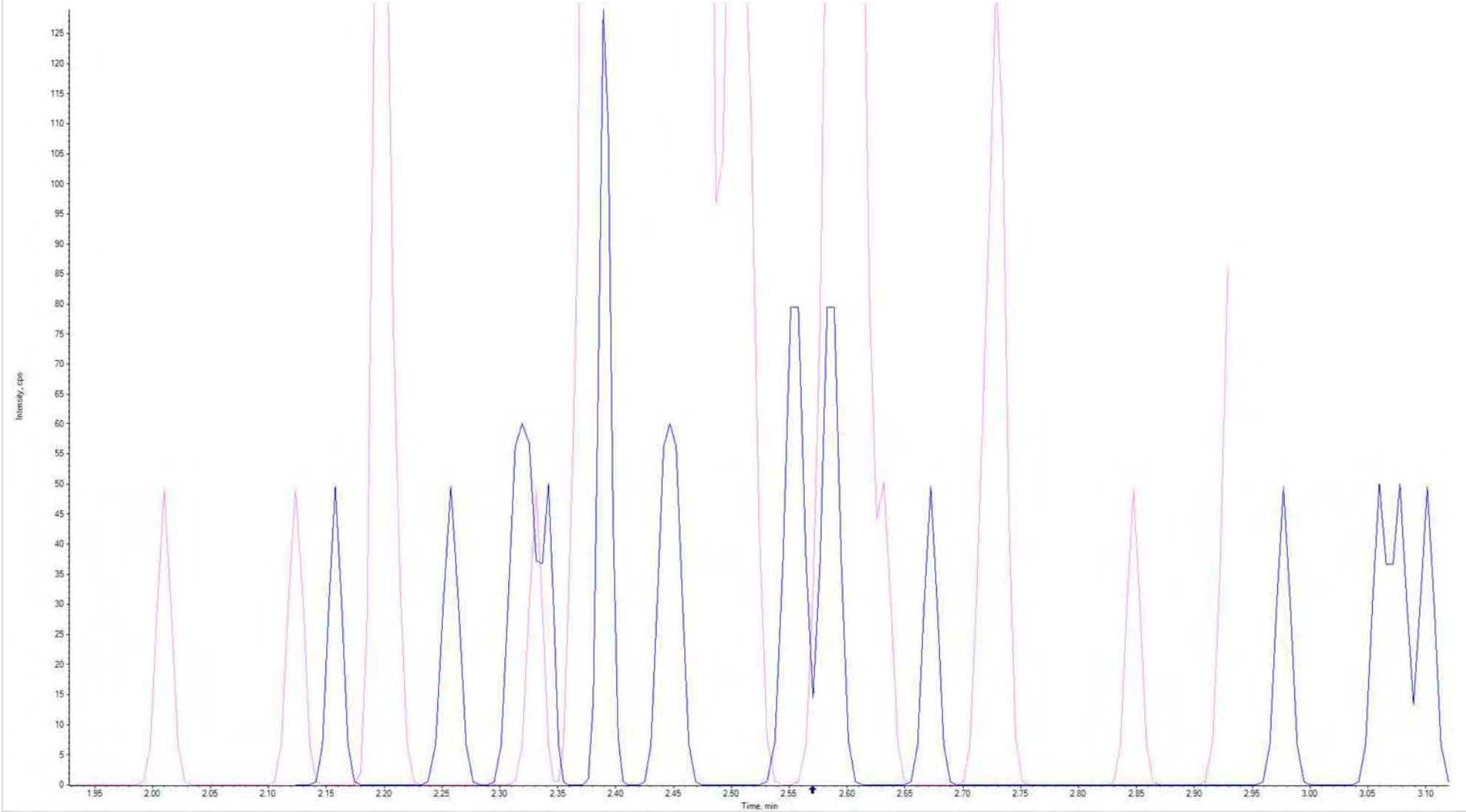
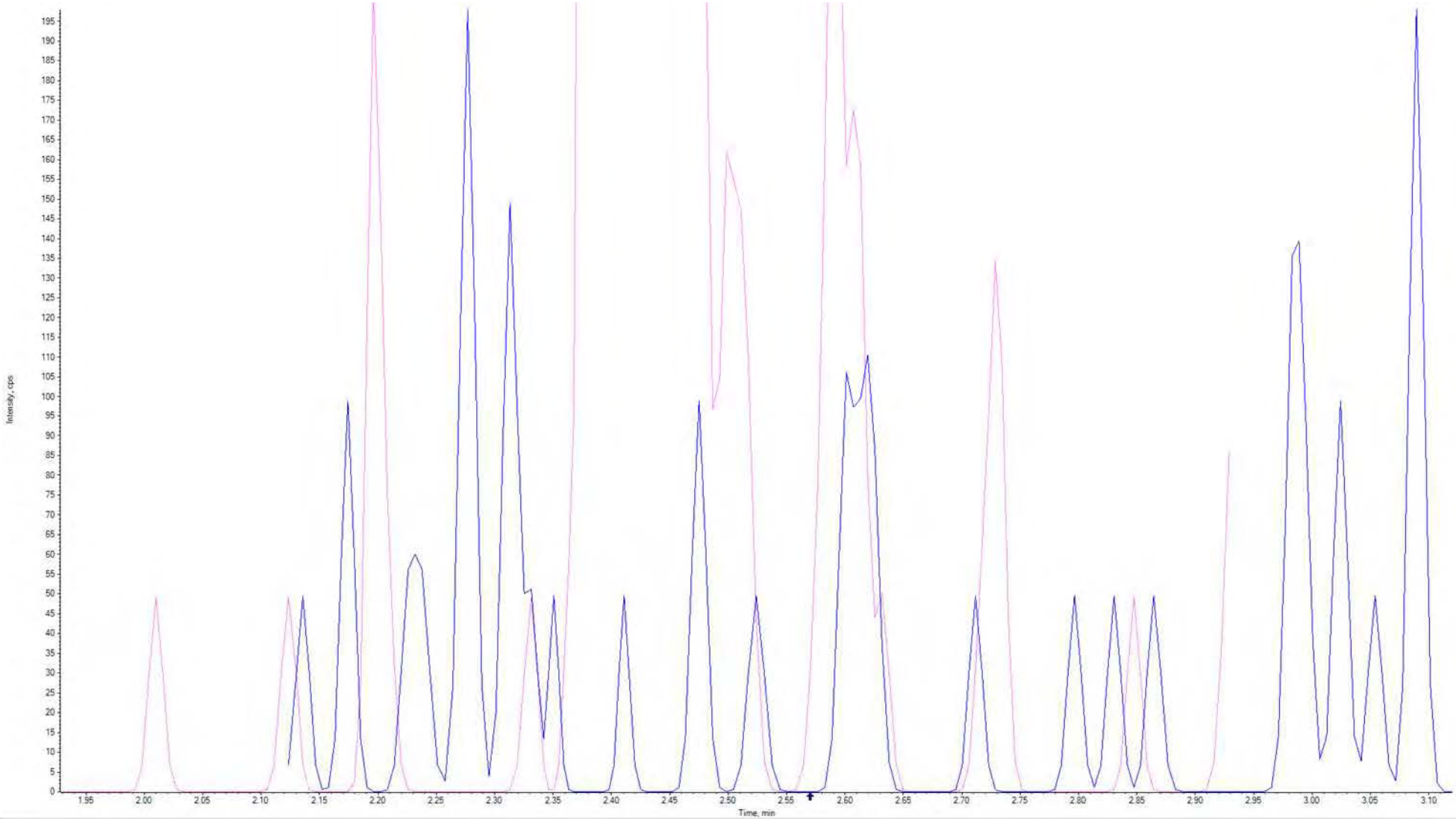
HFPO-DA_2
Sample: L2467934-10 S/N:N/A Points Across peak:N/A



ADONA
Sample: L2467934-10 S/N:N/A Points Across peak:N/A



ADONA_2
Sample: L2467934-10 S/N:N/A Points Across peak:N/A



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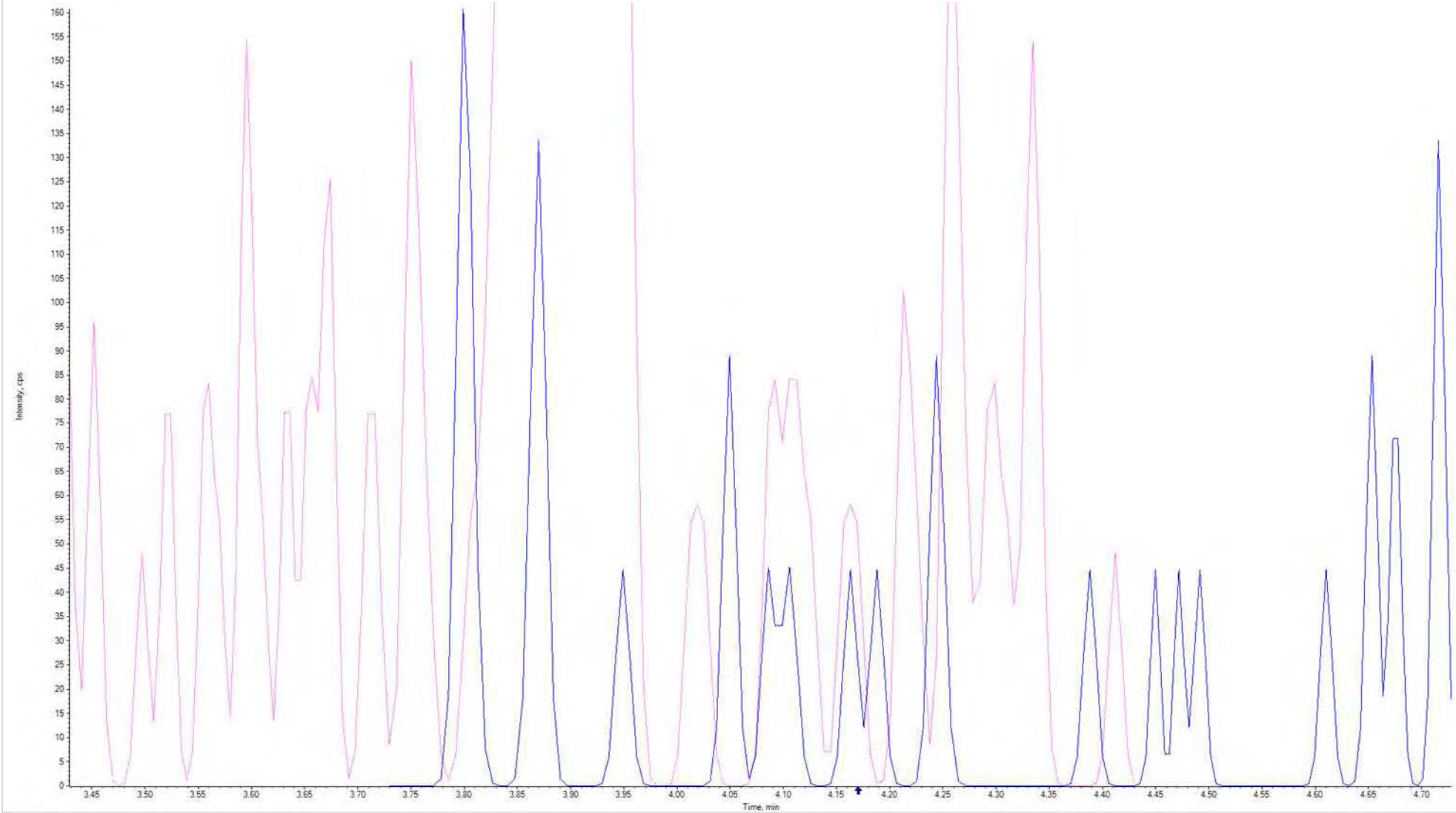
9Cl-PF3ONS
Sample: L2467934-10 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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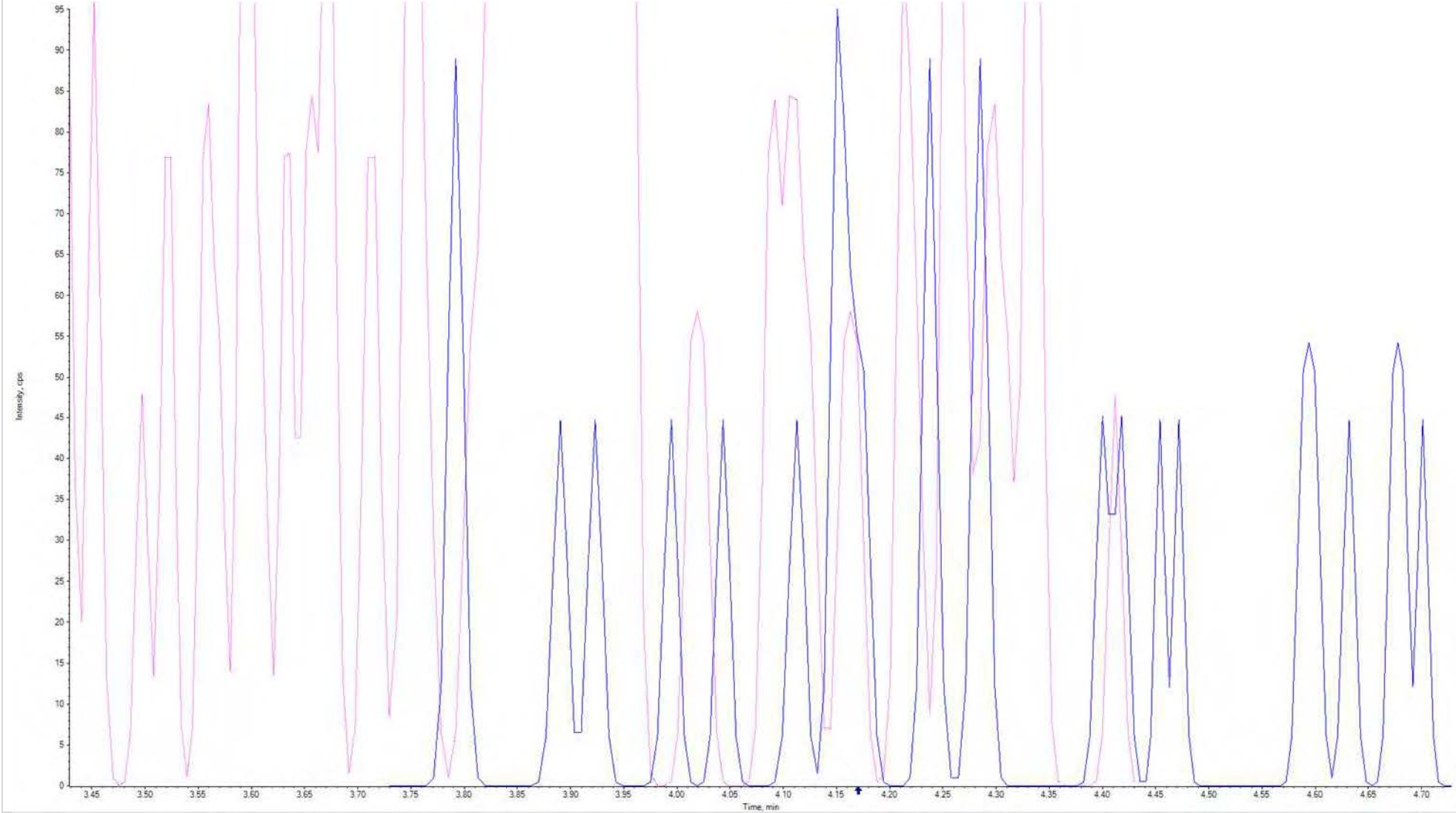
9Cl-PF3ONS_2
Sample: L2467934-10 S/N:N/A Points Across peak:N/A



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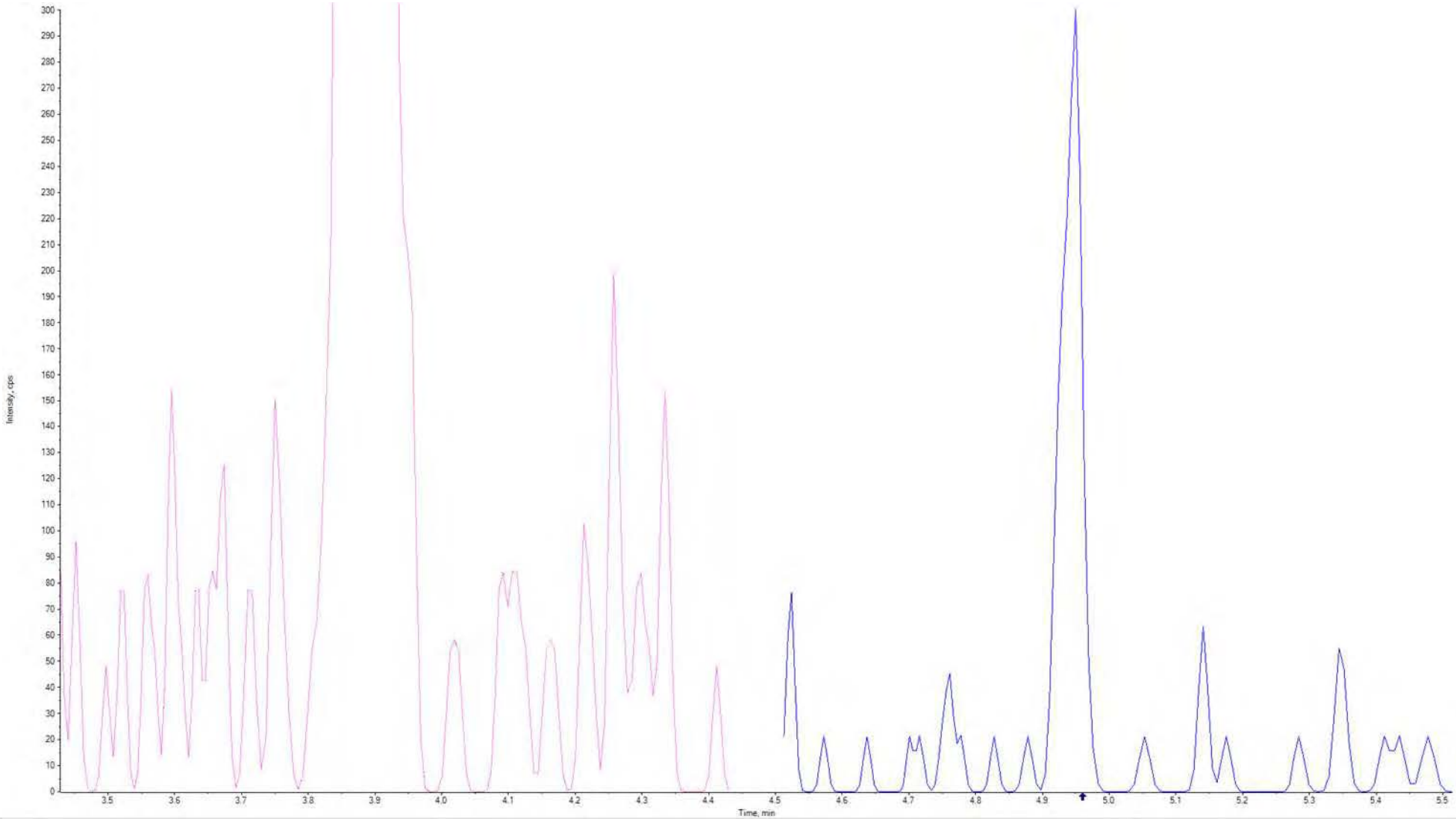
11Cl-PF3OUdS
Sample: L2467934-10 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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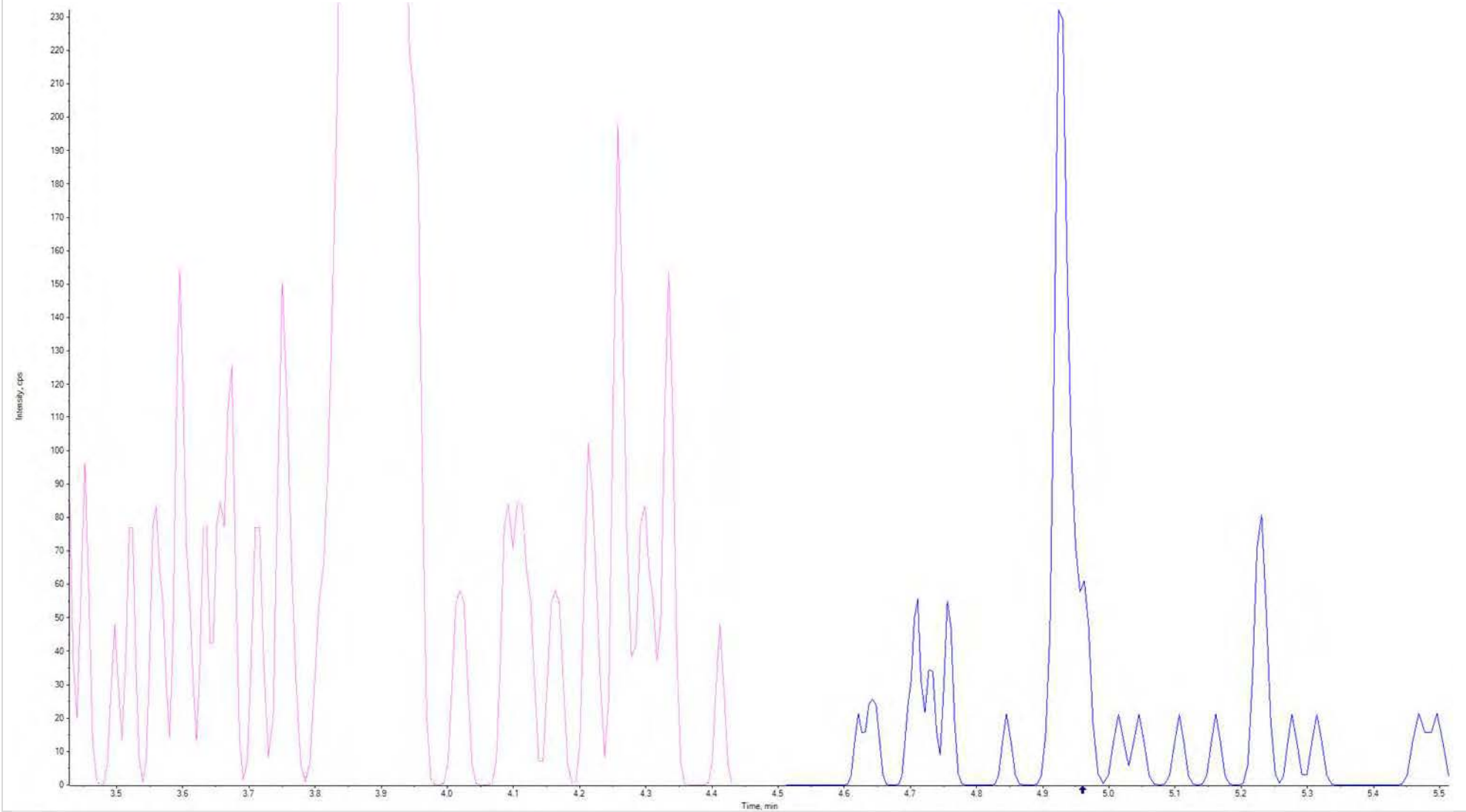
11Cl-PF3OUdS_2
Sample: L2467934-10 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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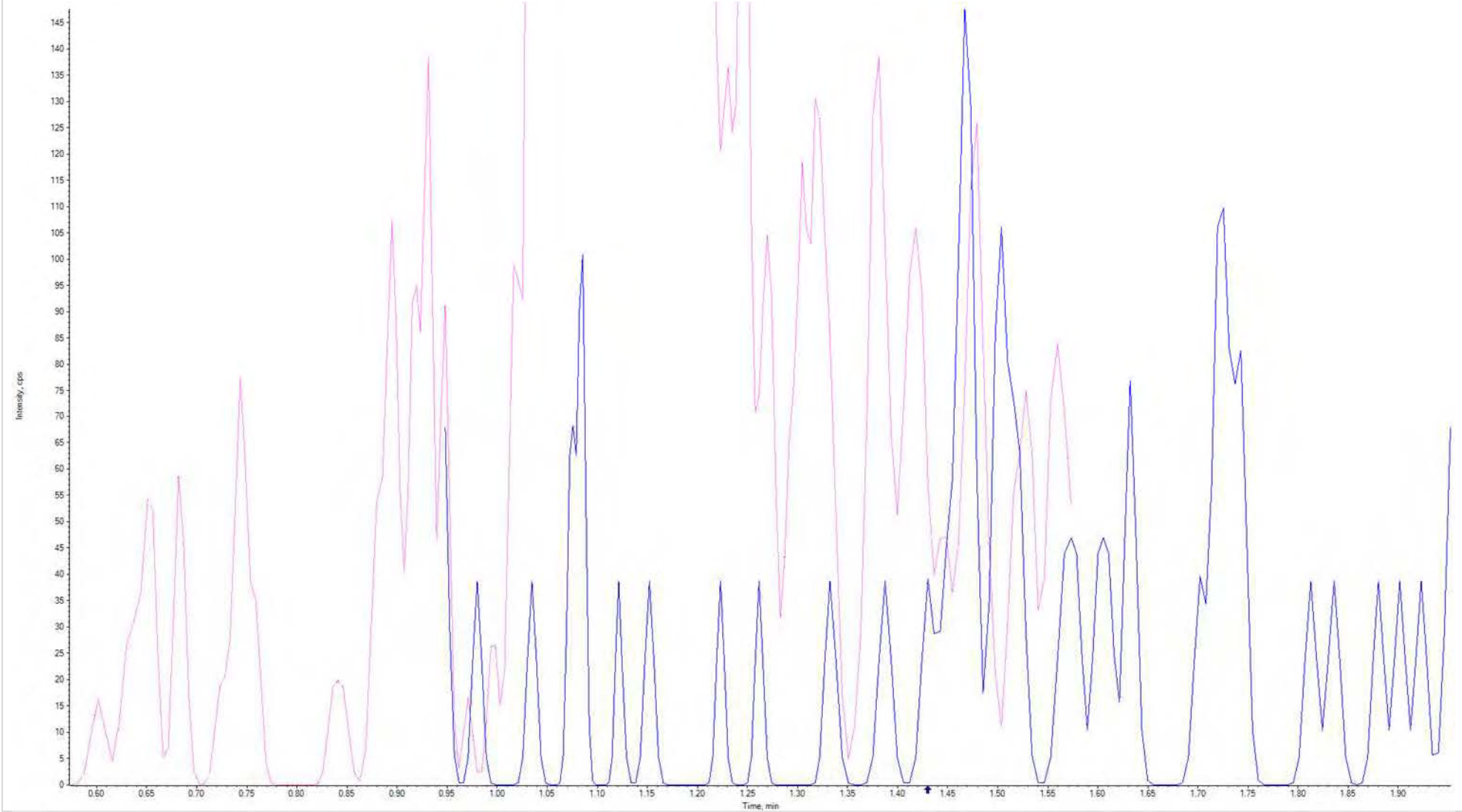
3:3FTCA
Sample: L2467934-10 S/N:N/A Points Across peak:N/A



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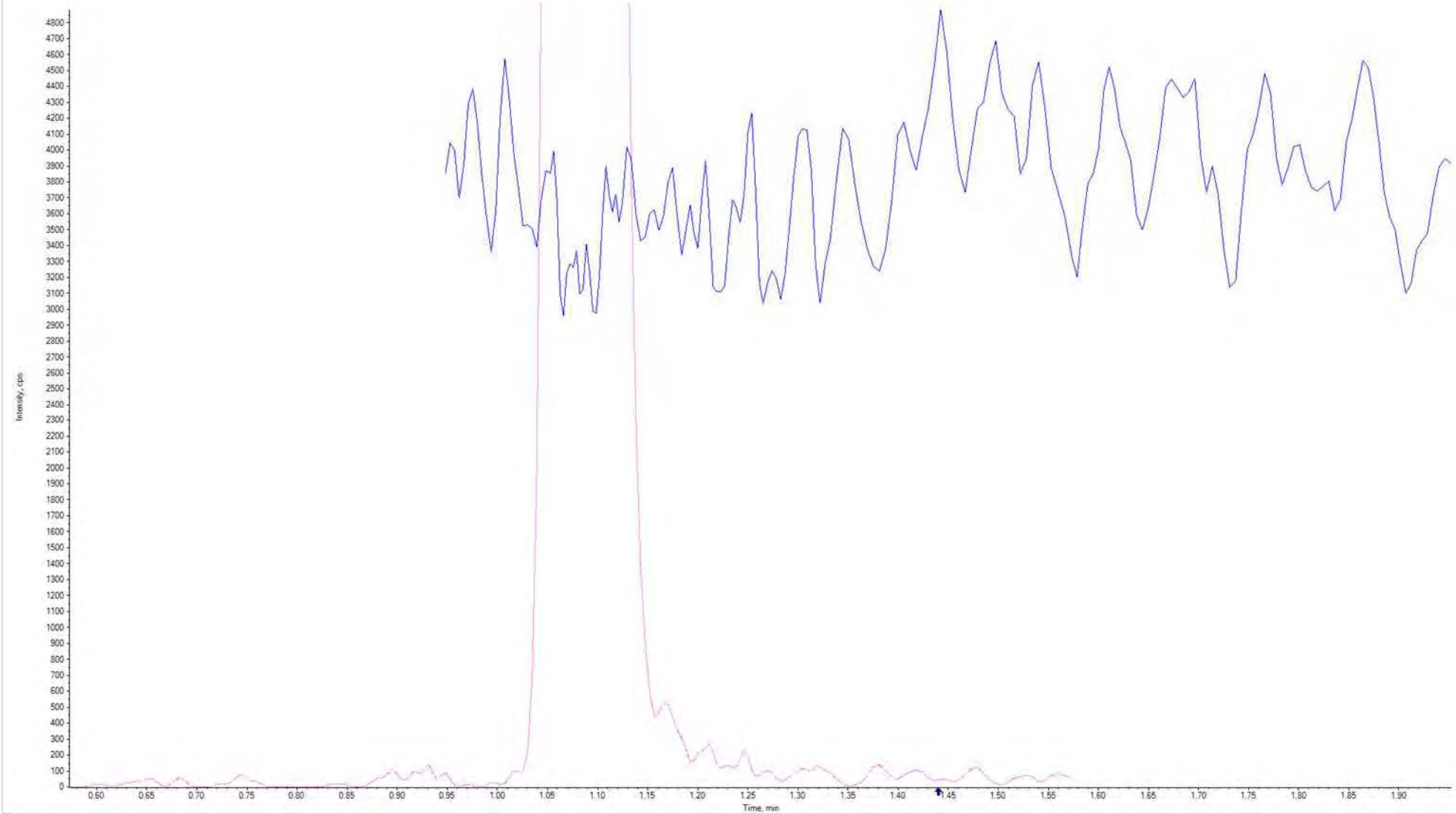
3:3FTCA_2
Sample: L2467934-10 S/N:N/A Points Across peak:N/A



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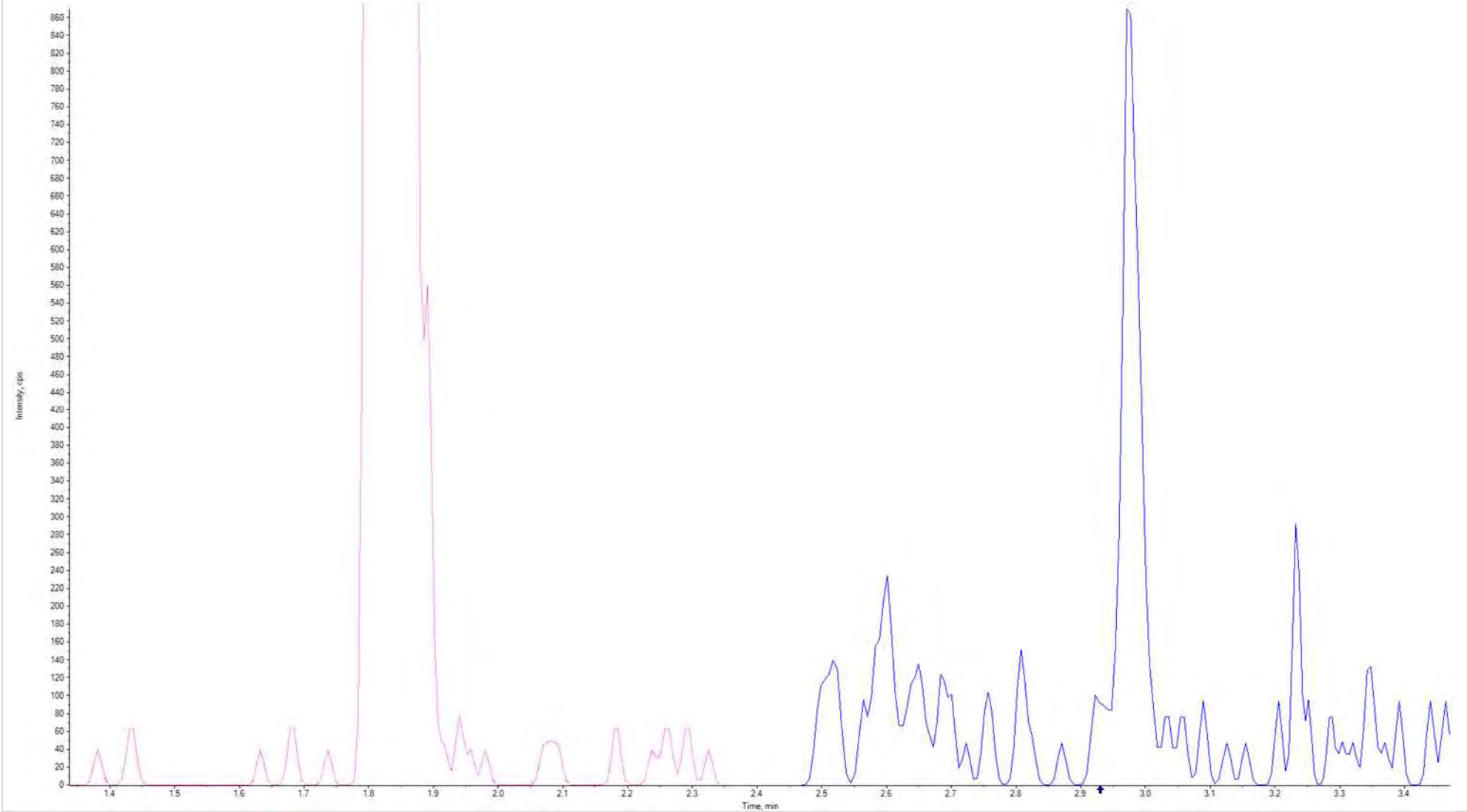
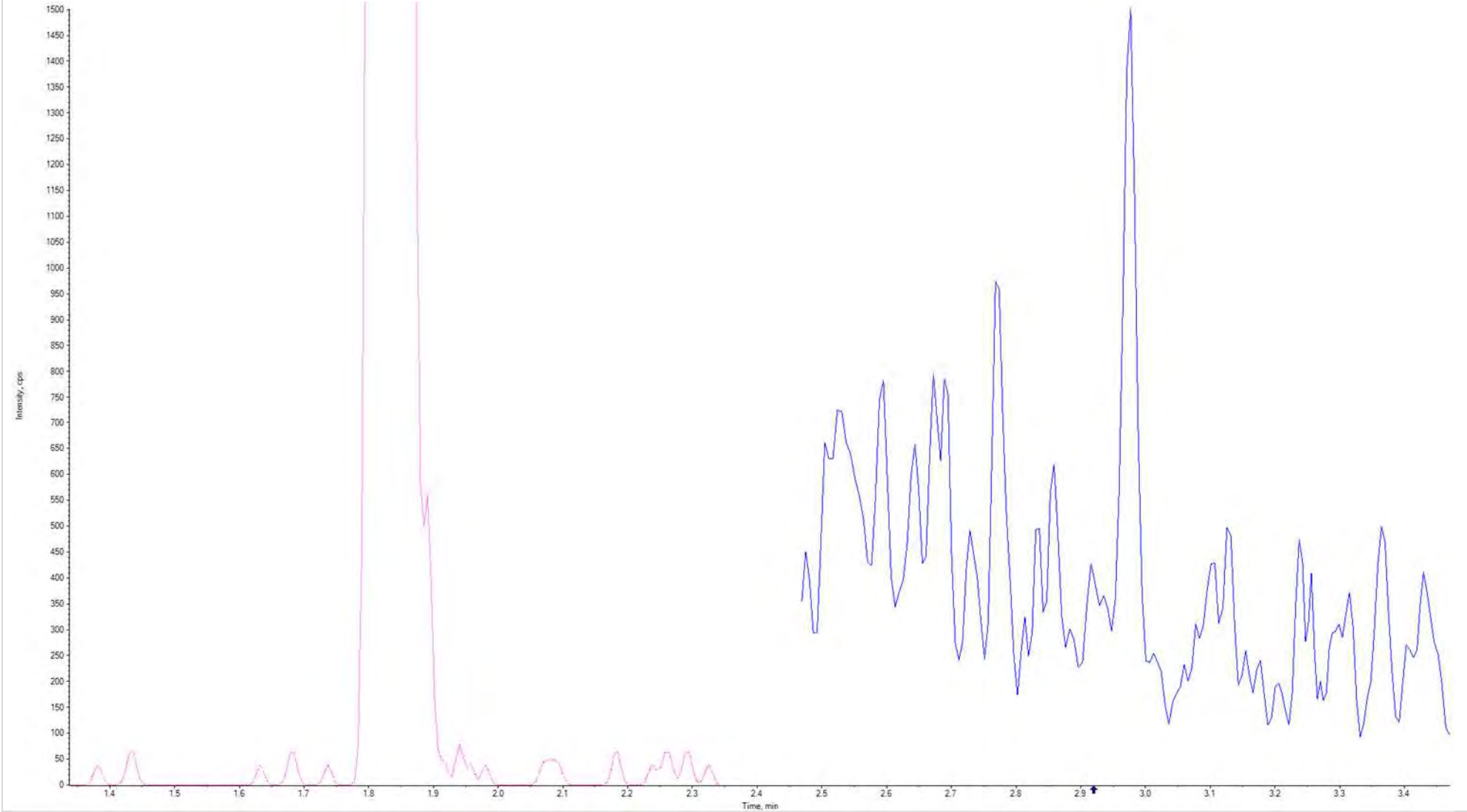
Generated: 12/23/2024 2:36:12 PM

5:3FTCA
Sample: L2467934-10 S/N:N/A Points Across peak:N/A



5:3FTCA_2
Sample: L2467934-10 S/N:N/A Points Across peak:N/A



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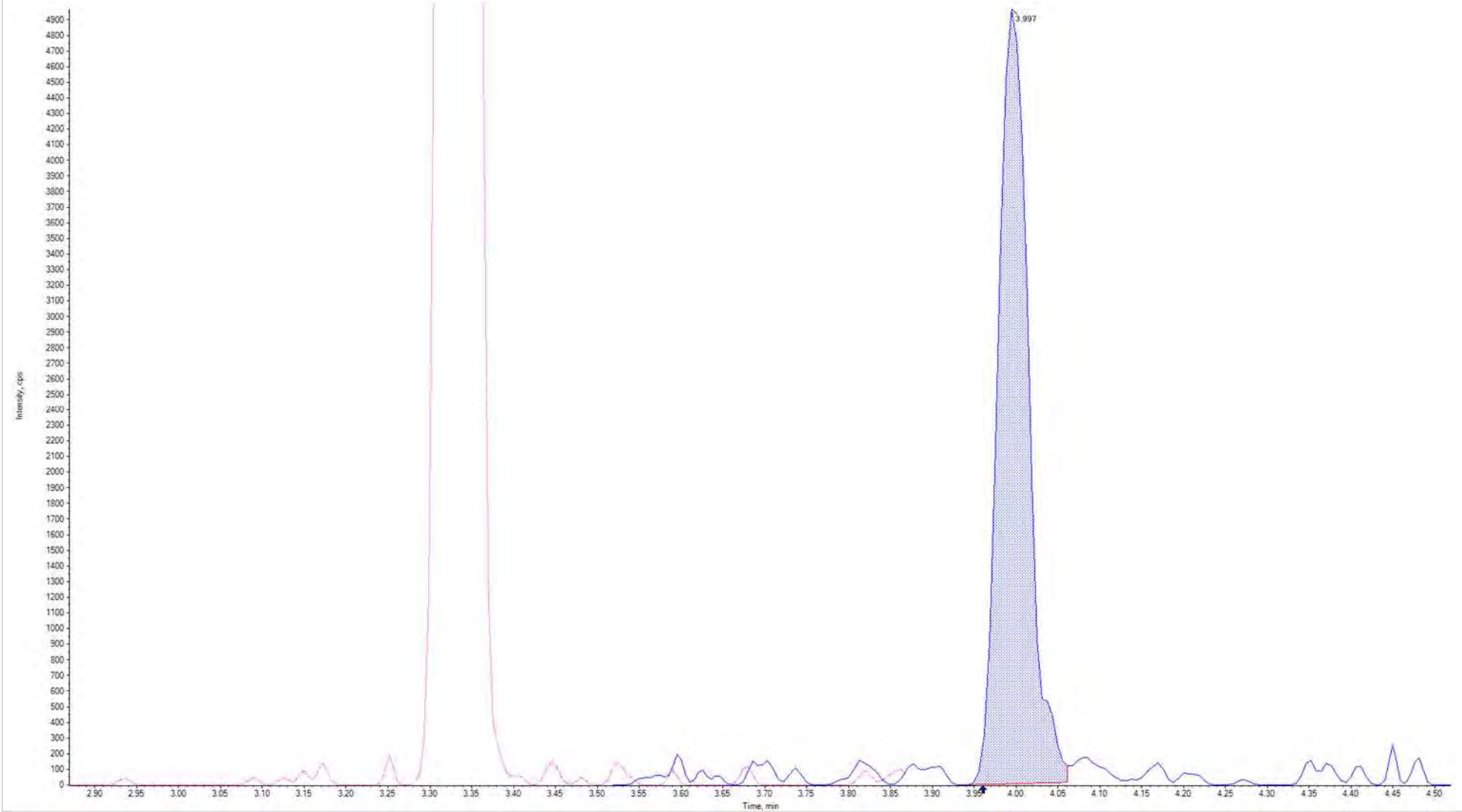
7:3FTCA
Sample: L2467934-10 S/N:136.8 Points Across peak:20



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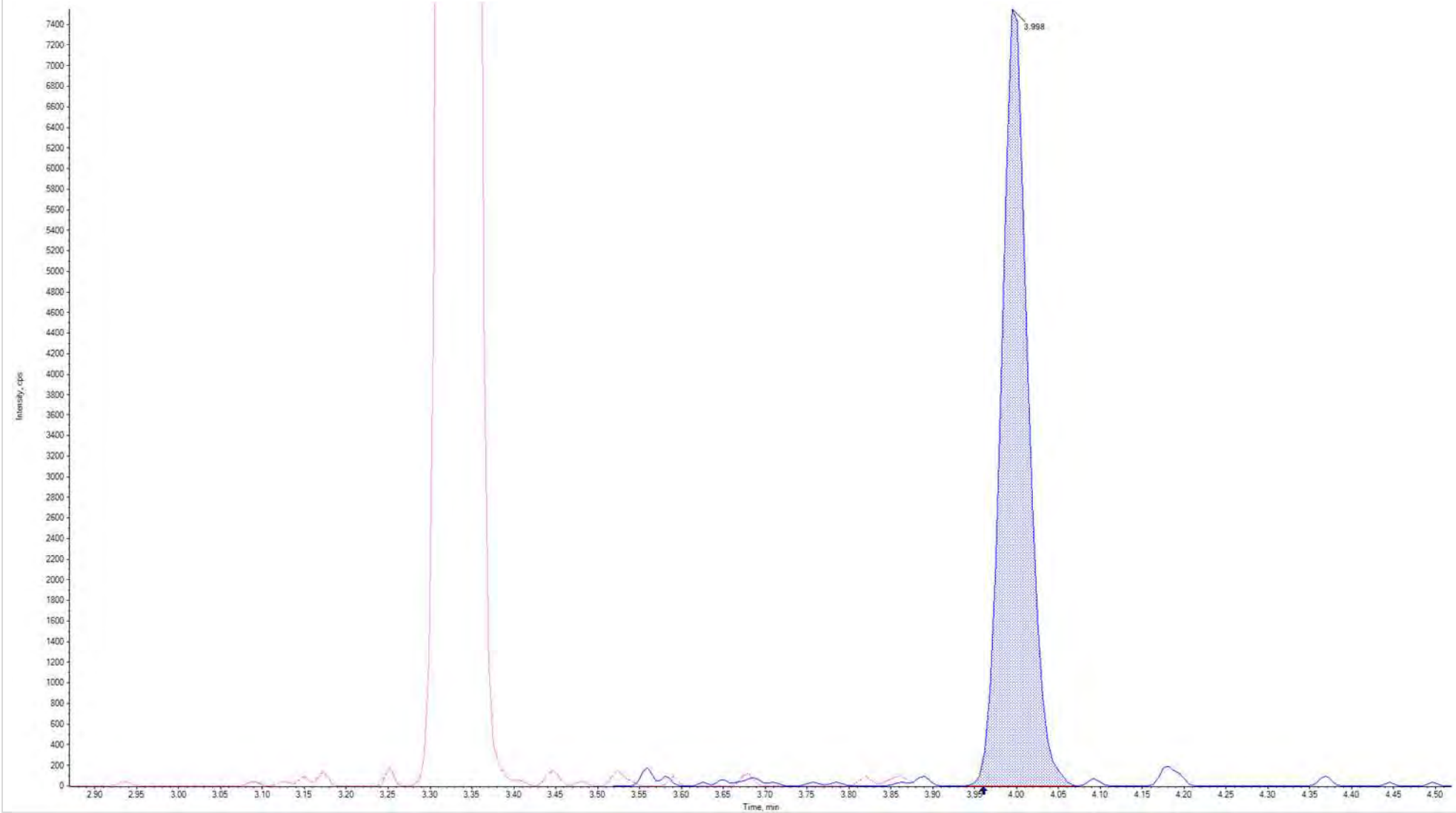
7:3FTCA_2
Sample: L2467934-10 S/N:208.1 Points Across peak:24



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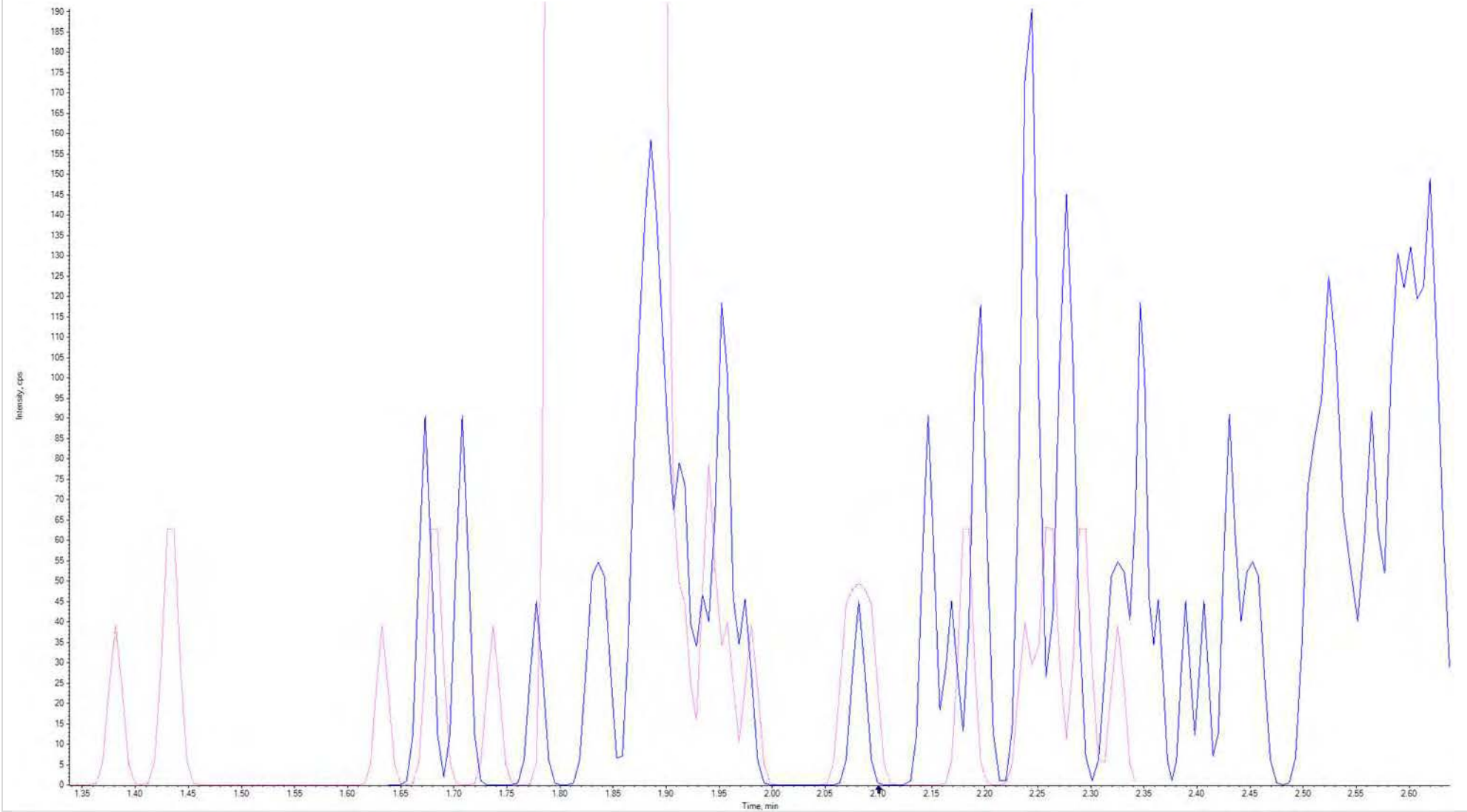
Generated: 12/23/2024 2:36:12 PM

PFEESA
Sample: L2467934-10 S/N:N/A Points Across peak:N/A



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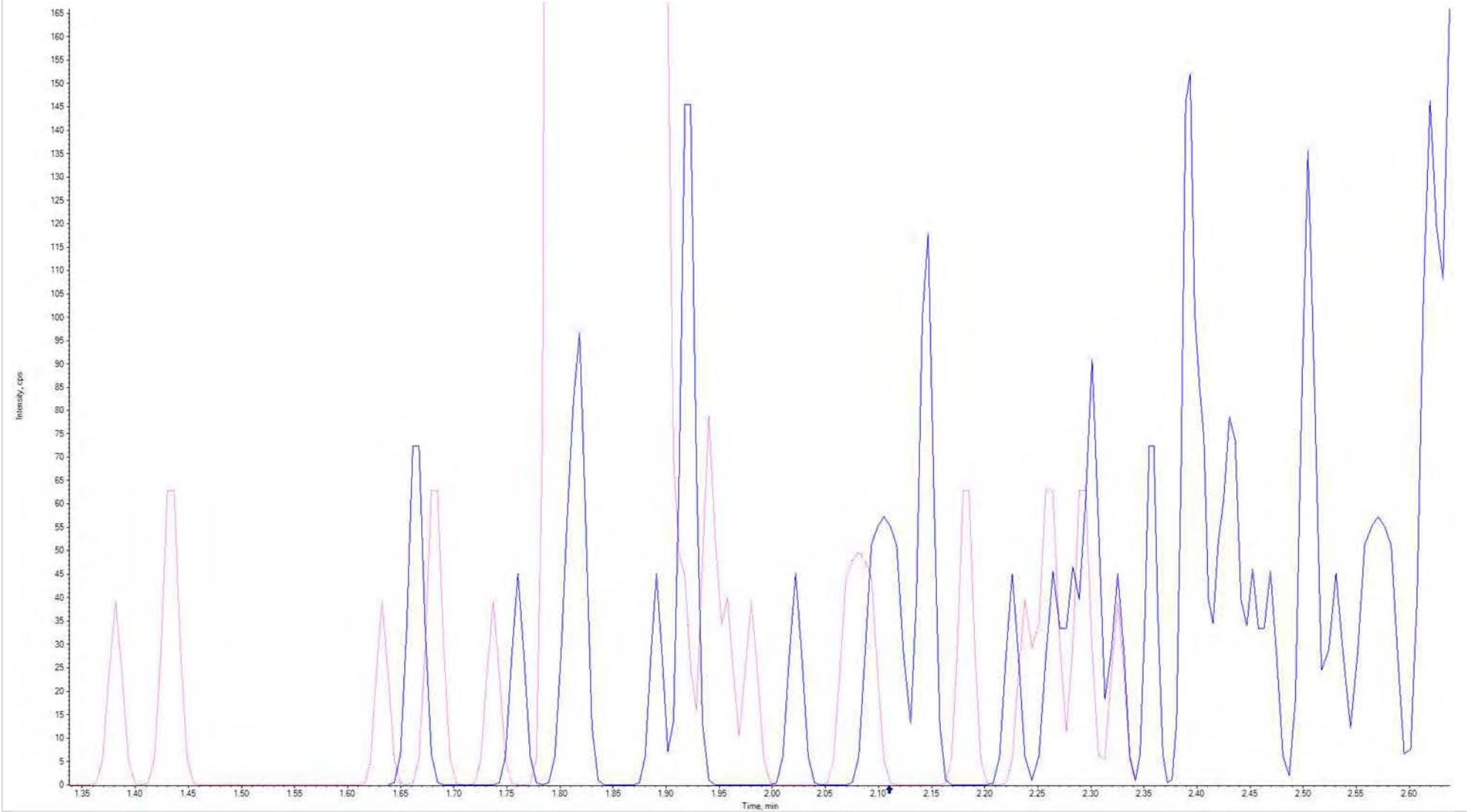
PFEESA_2
Sample: L2467934-10 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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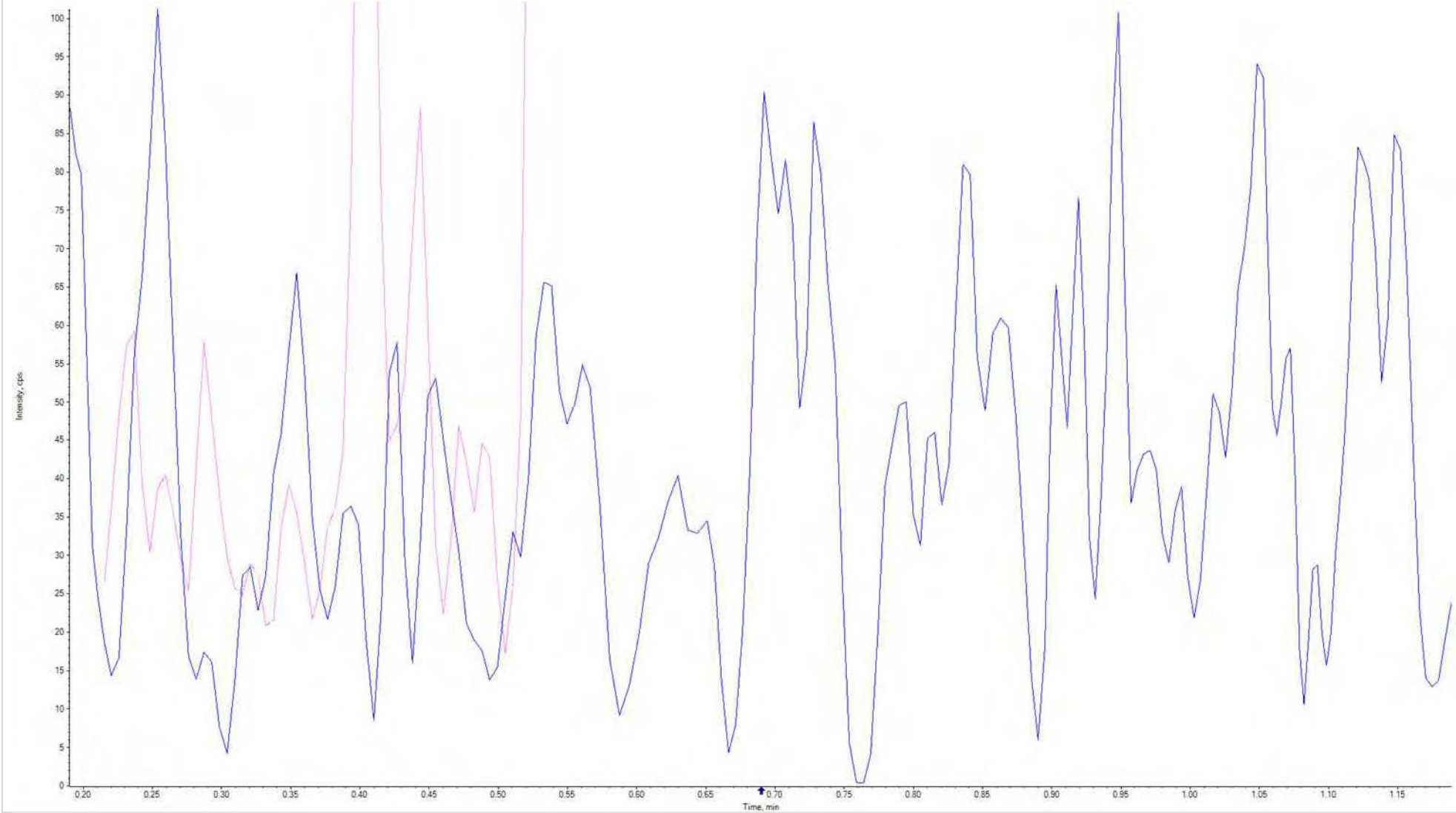
Generated: 12/23/2024 2:36:12 PM

PFMPA
Sample: L2467934-10 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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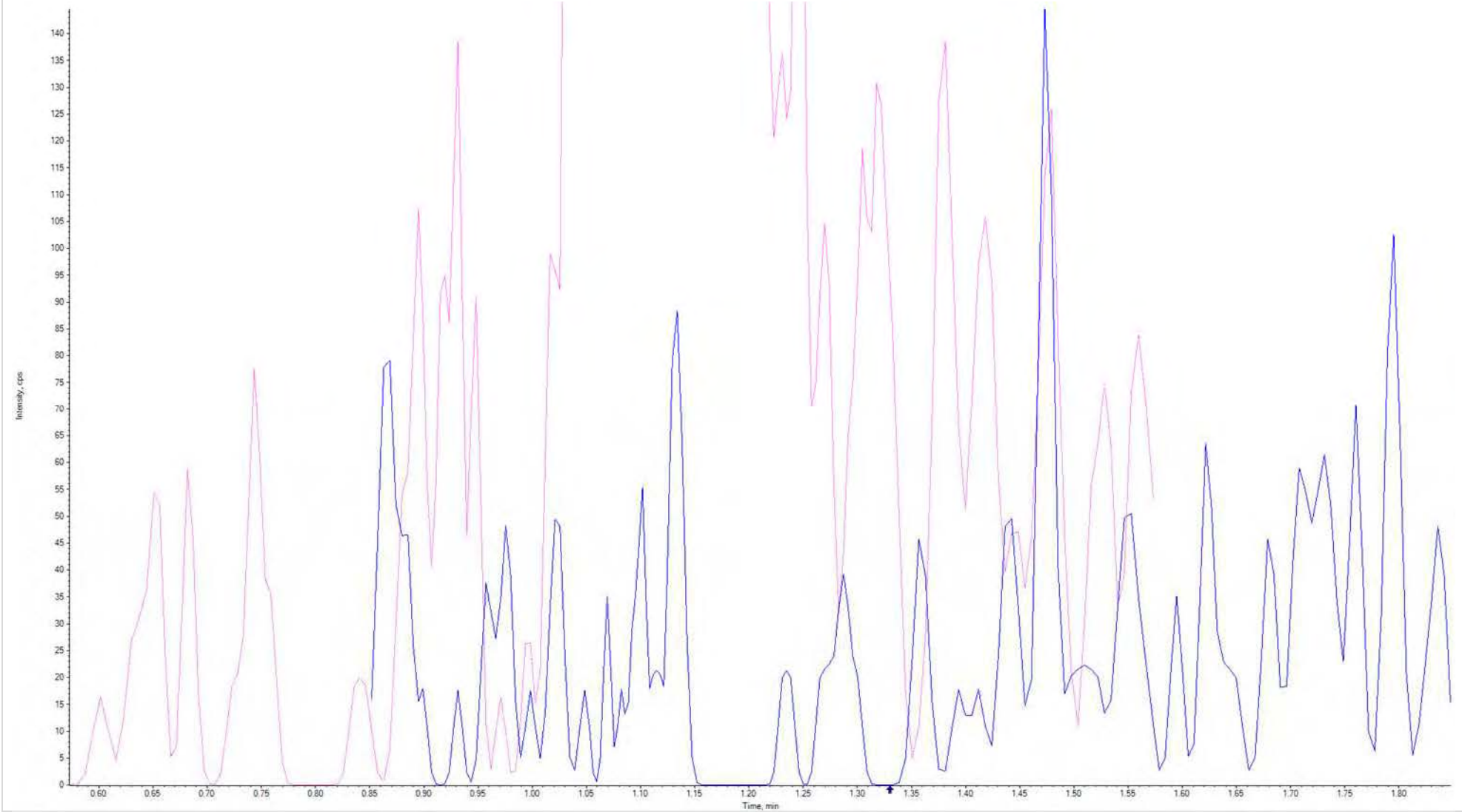
PFMBA
Sample: L2467934-10 S/N:N/A Points Across peak:N/A



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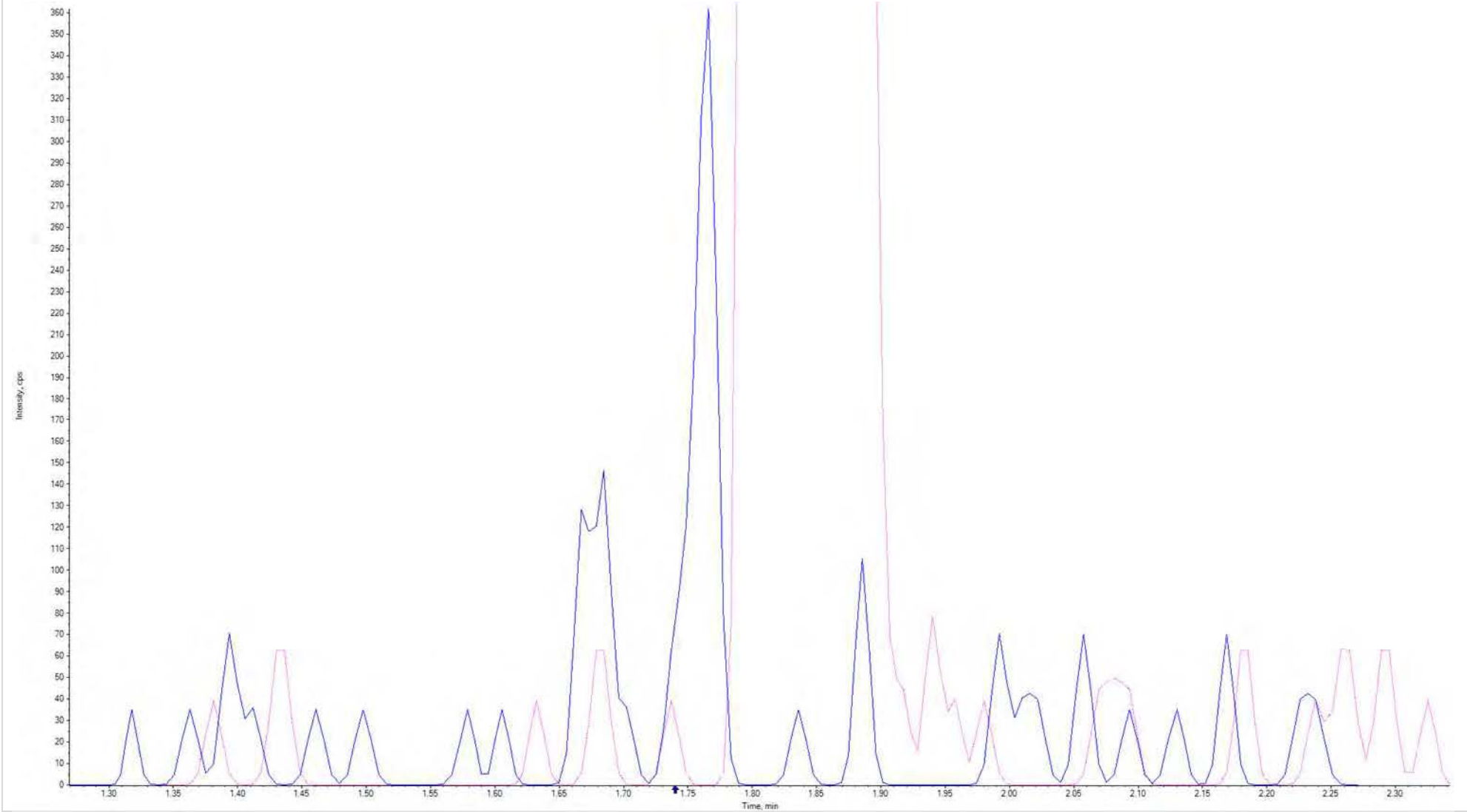
Generated: 12/23/2024 2:36:12 PM

NFDHA
Sample: L2467934-10 S/N:N/A Points Across peak:N/A



NFDHA_2
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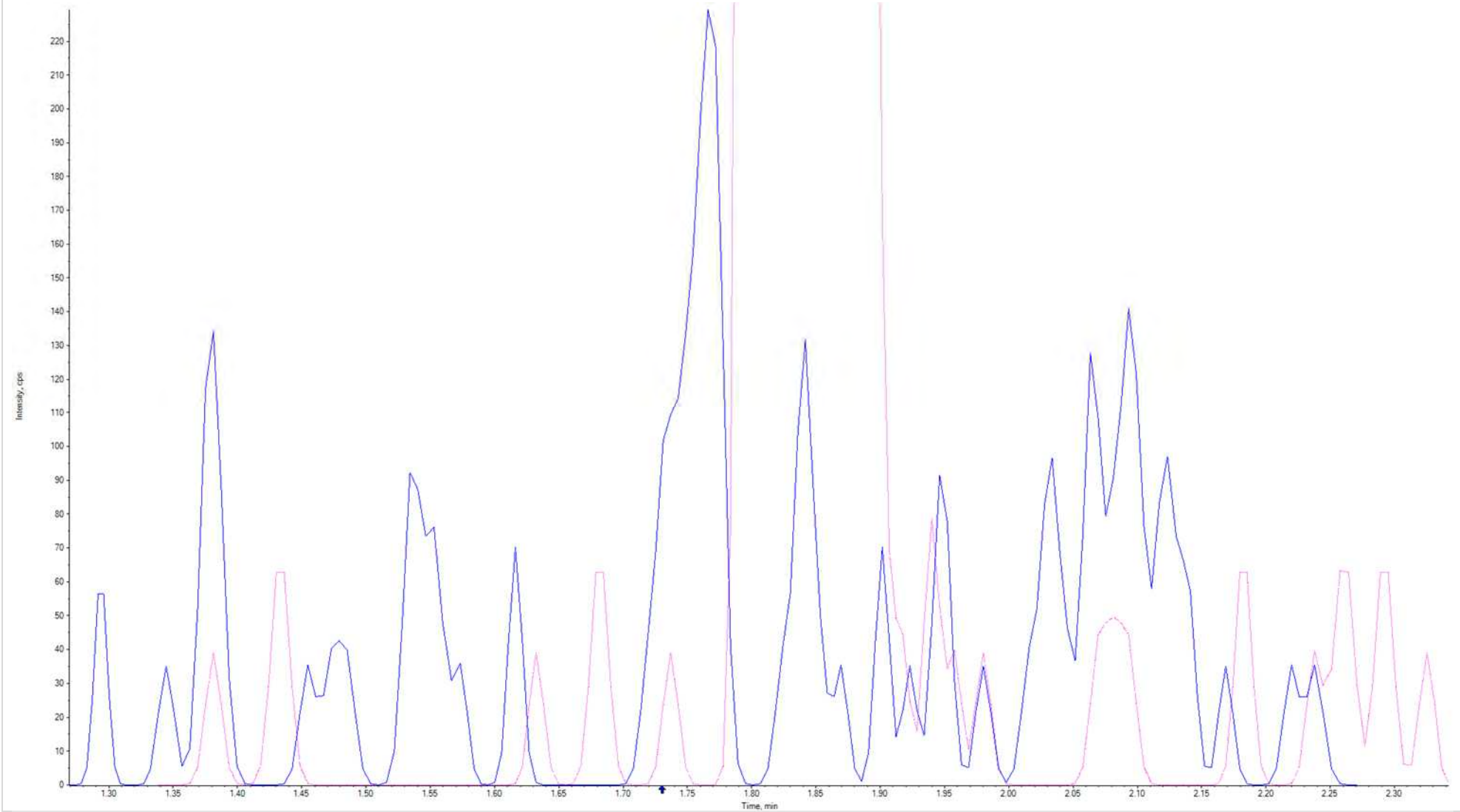
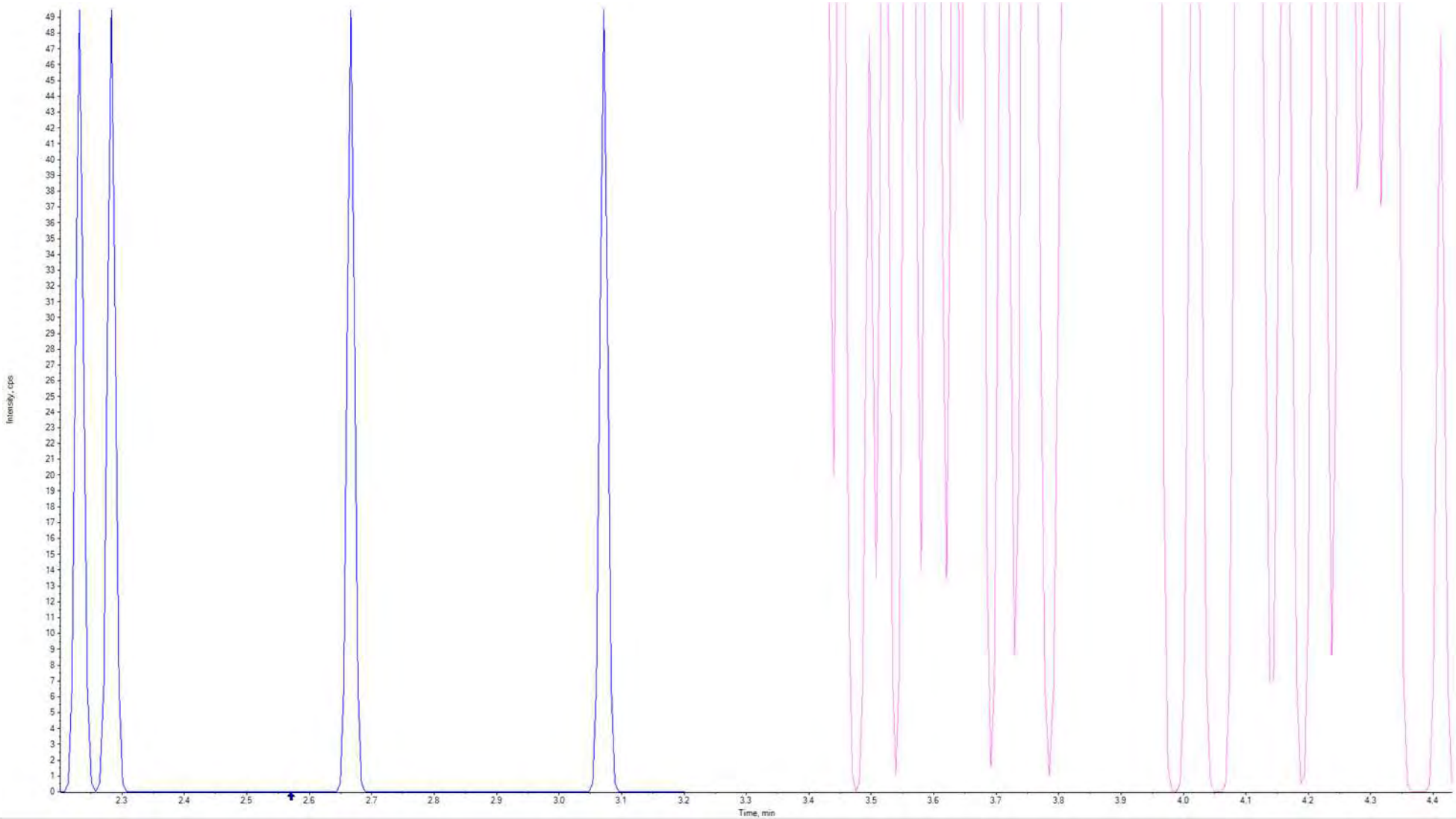
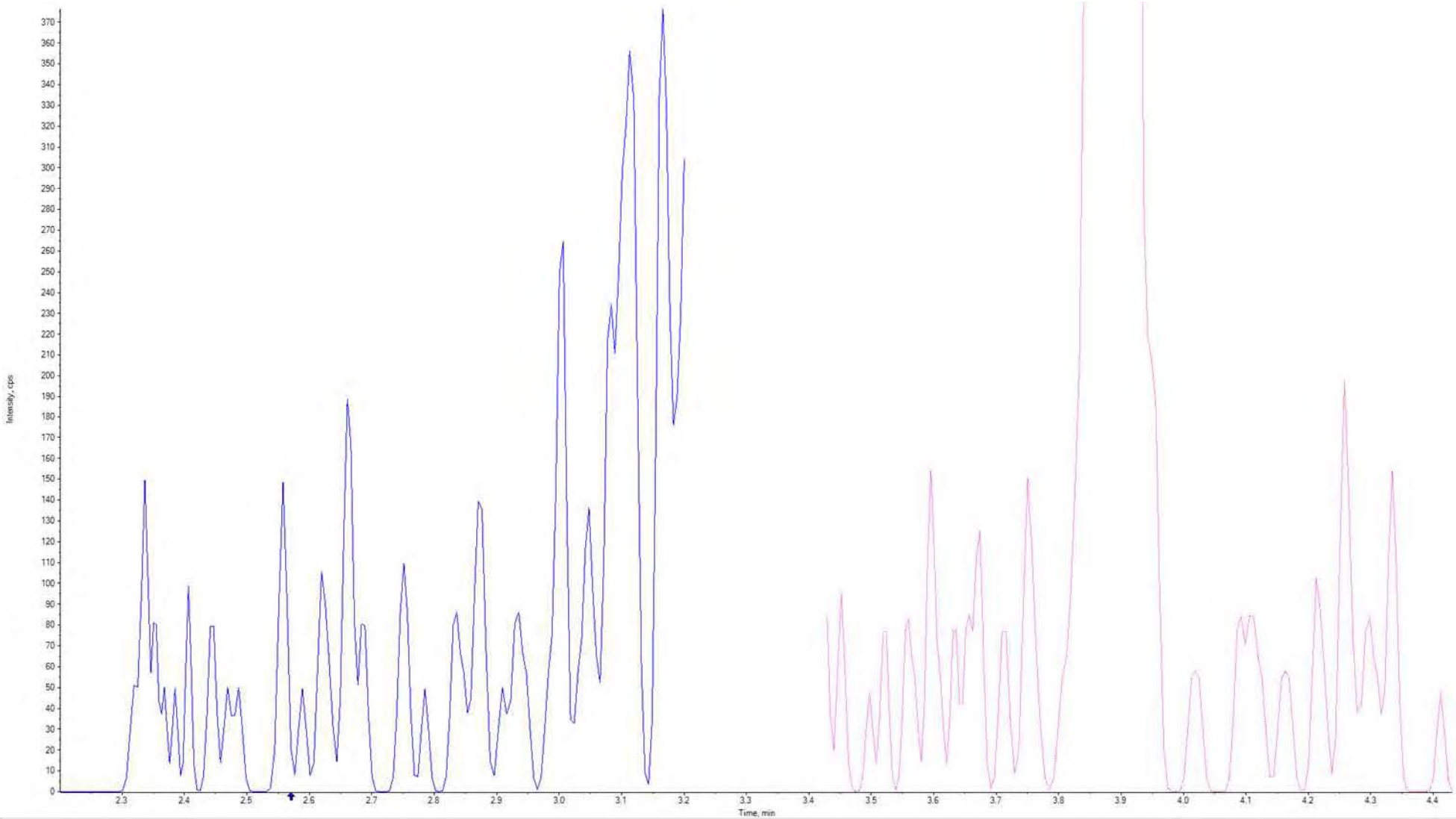


TDCA
Sample: L2467934-10 S/N:N/A Points Across peak:N/A

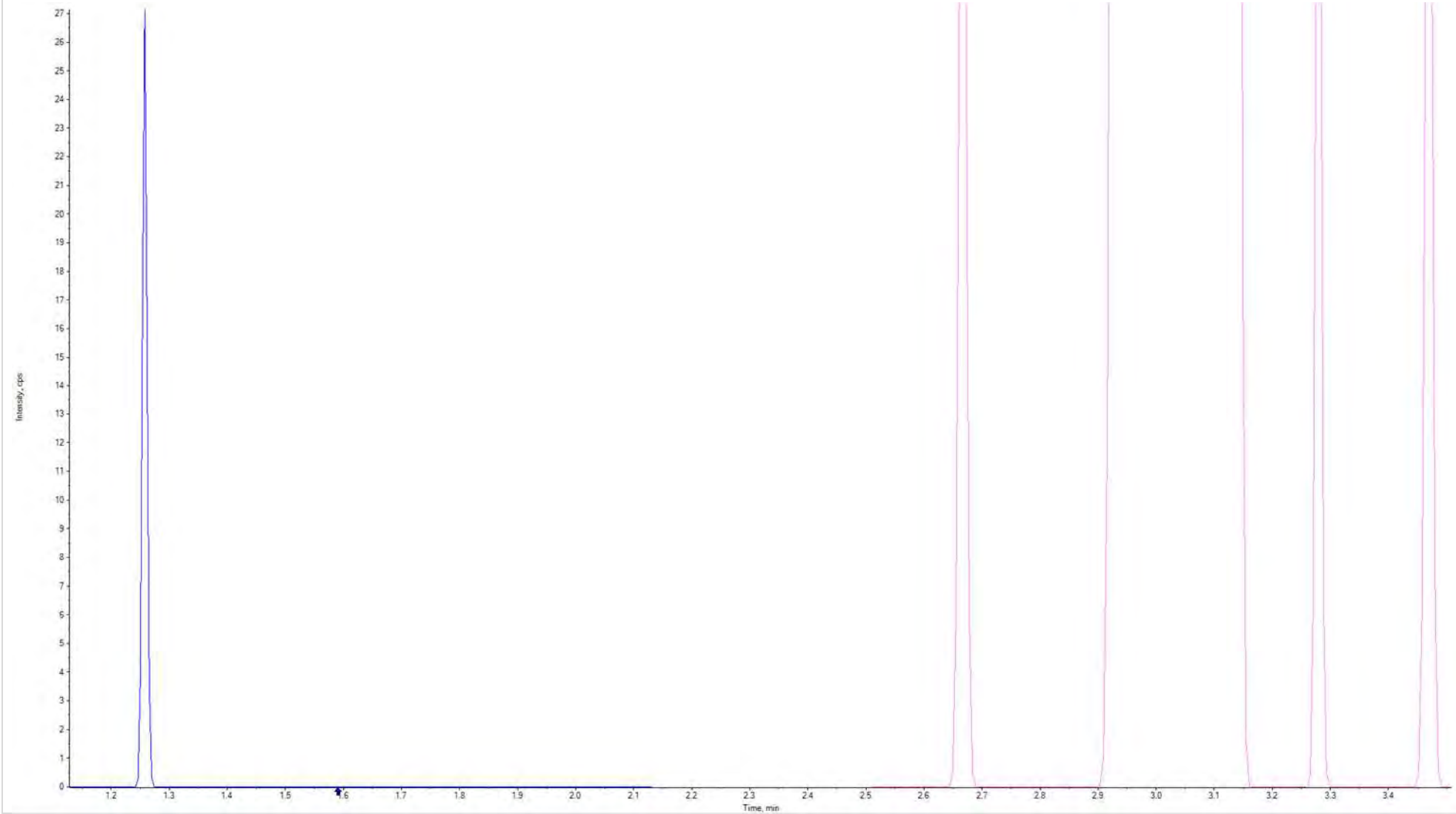


TDCA_2
Sample: L2467934-10 S/N:N/A Points Across peak:N/A



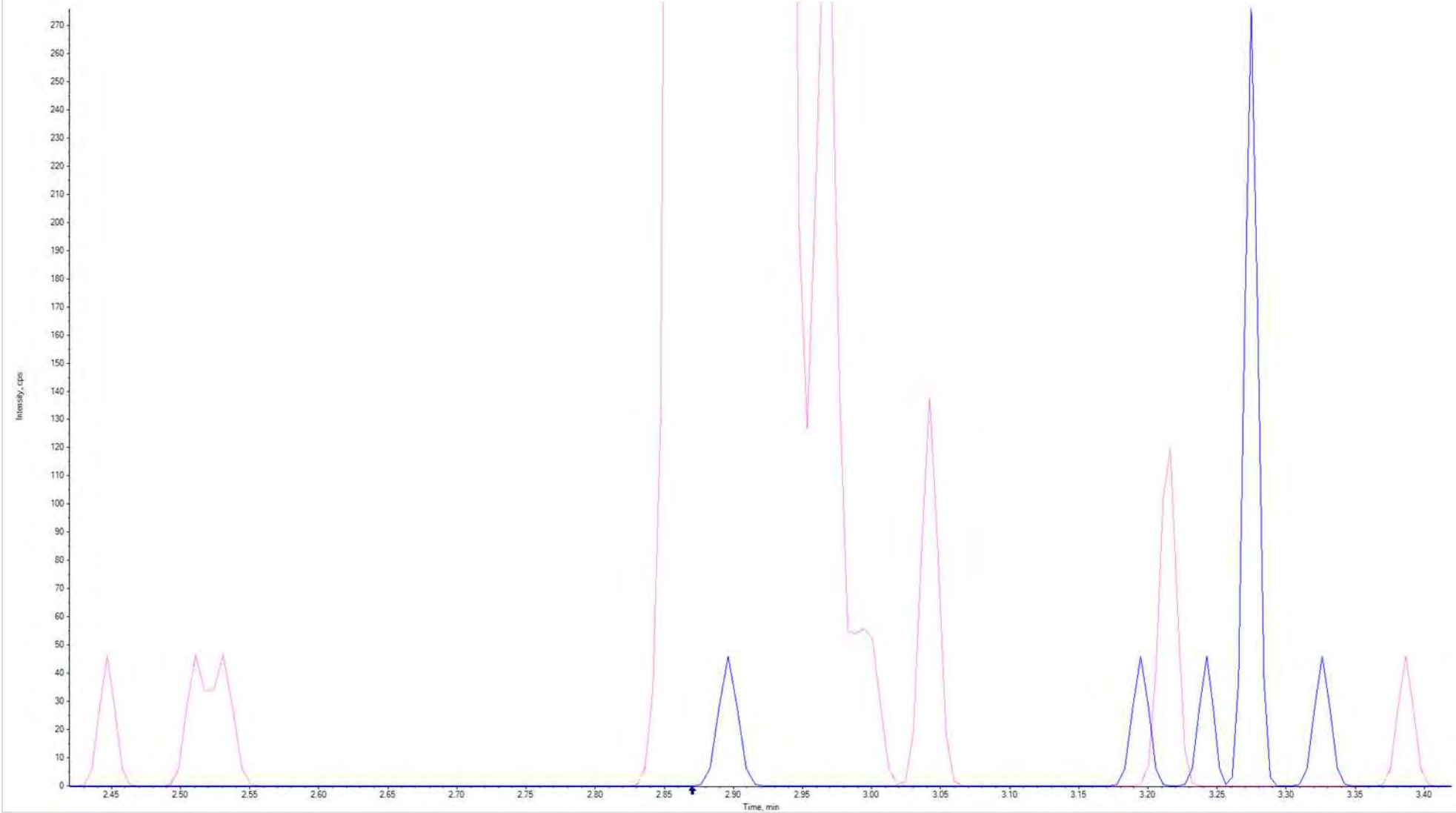
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_29.wiff2_14
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

13C2D4-4:2FTS
Sample: L2467934-10 S/N:N/A Points Across peak:N/A

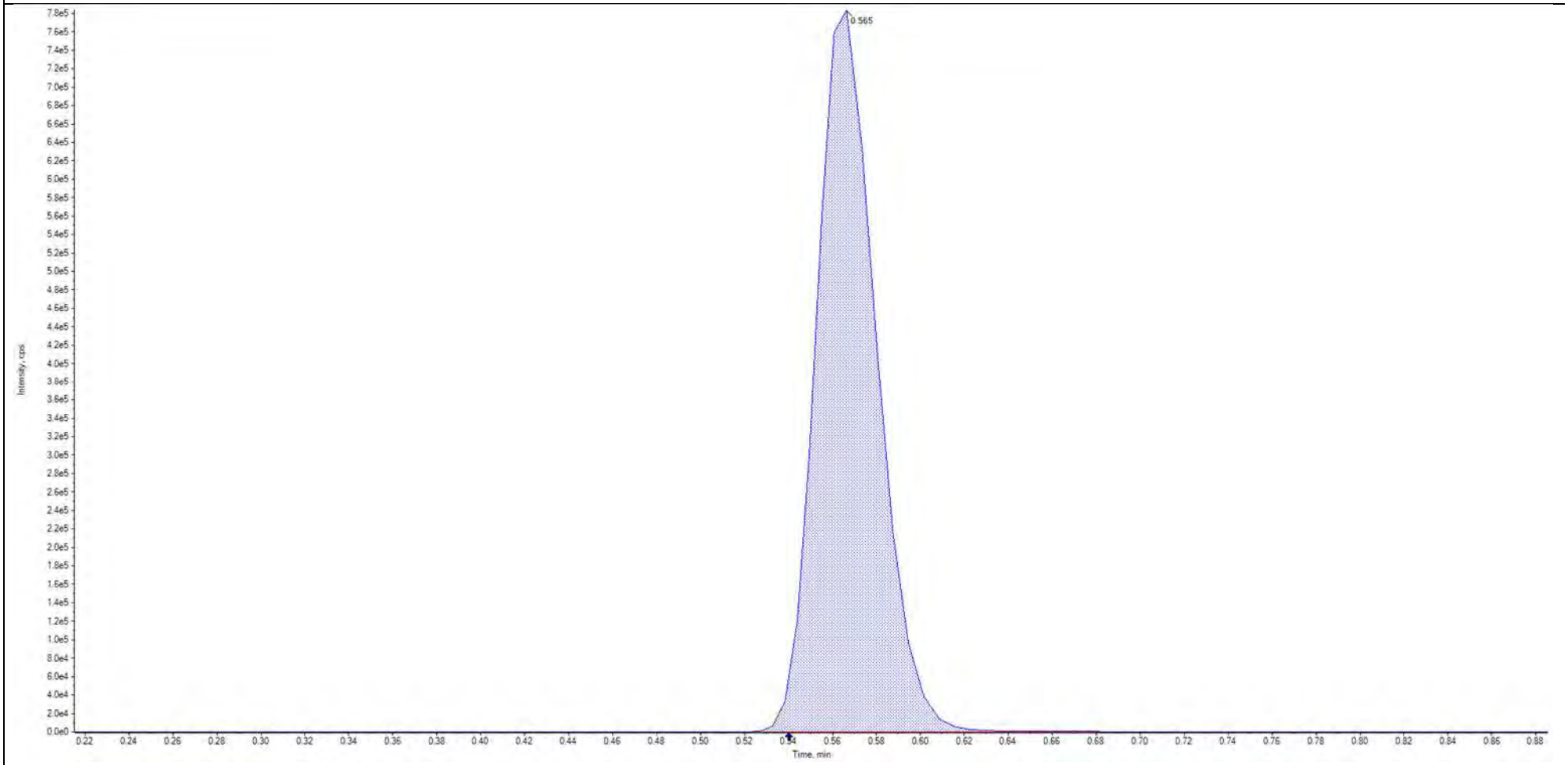


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_29.wiff2_14
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

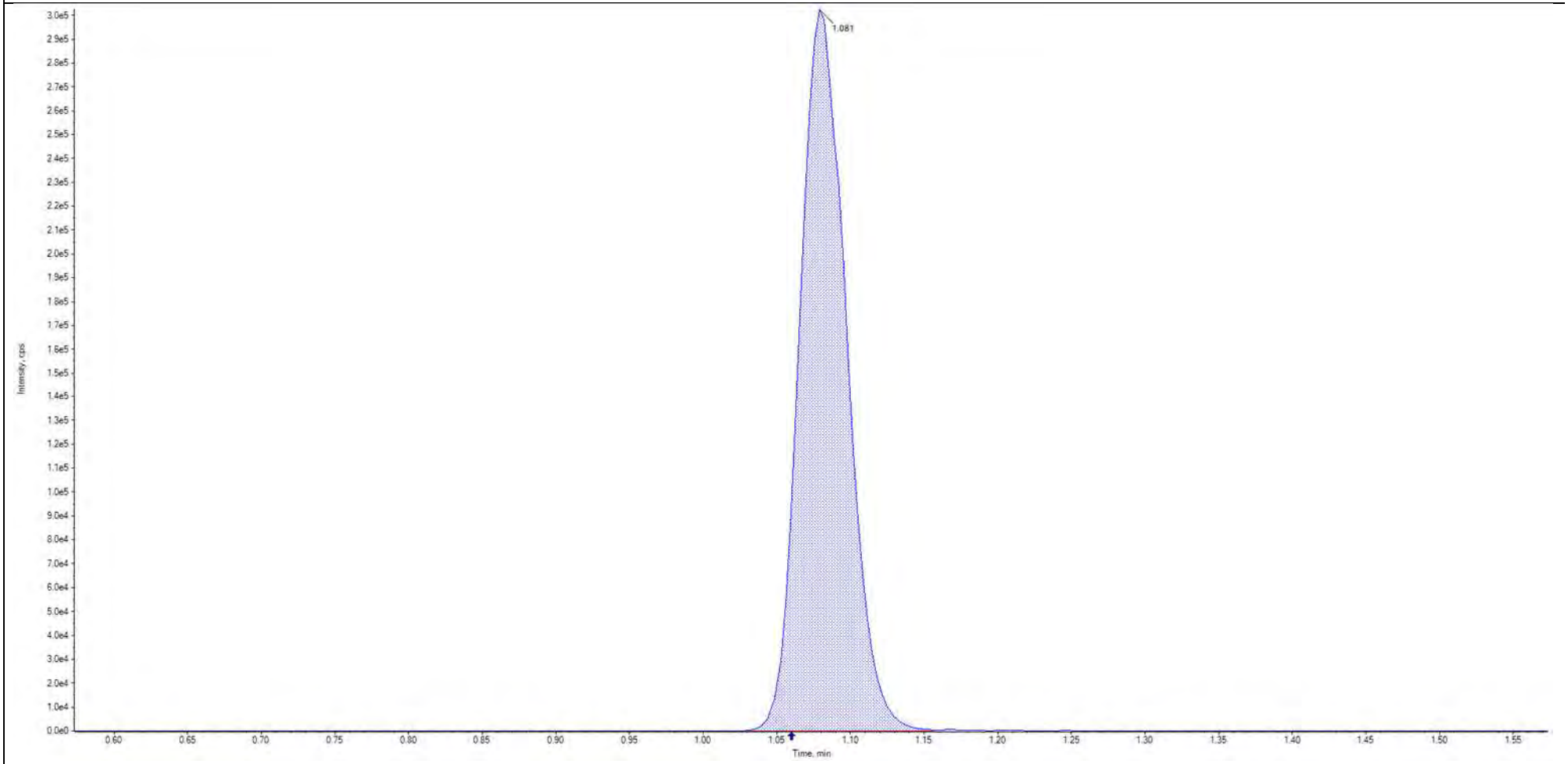
13C2-PFOA
Sample: L2467934-10 S/N:N/A Points Across peak:N/A



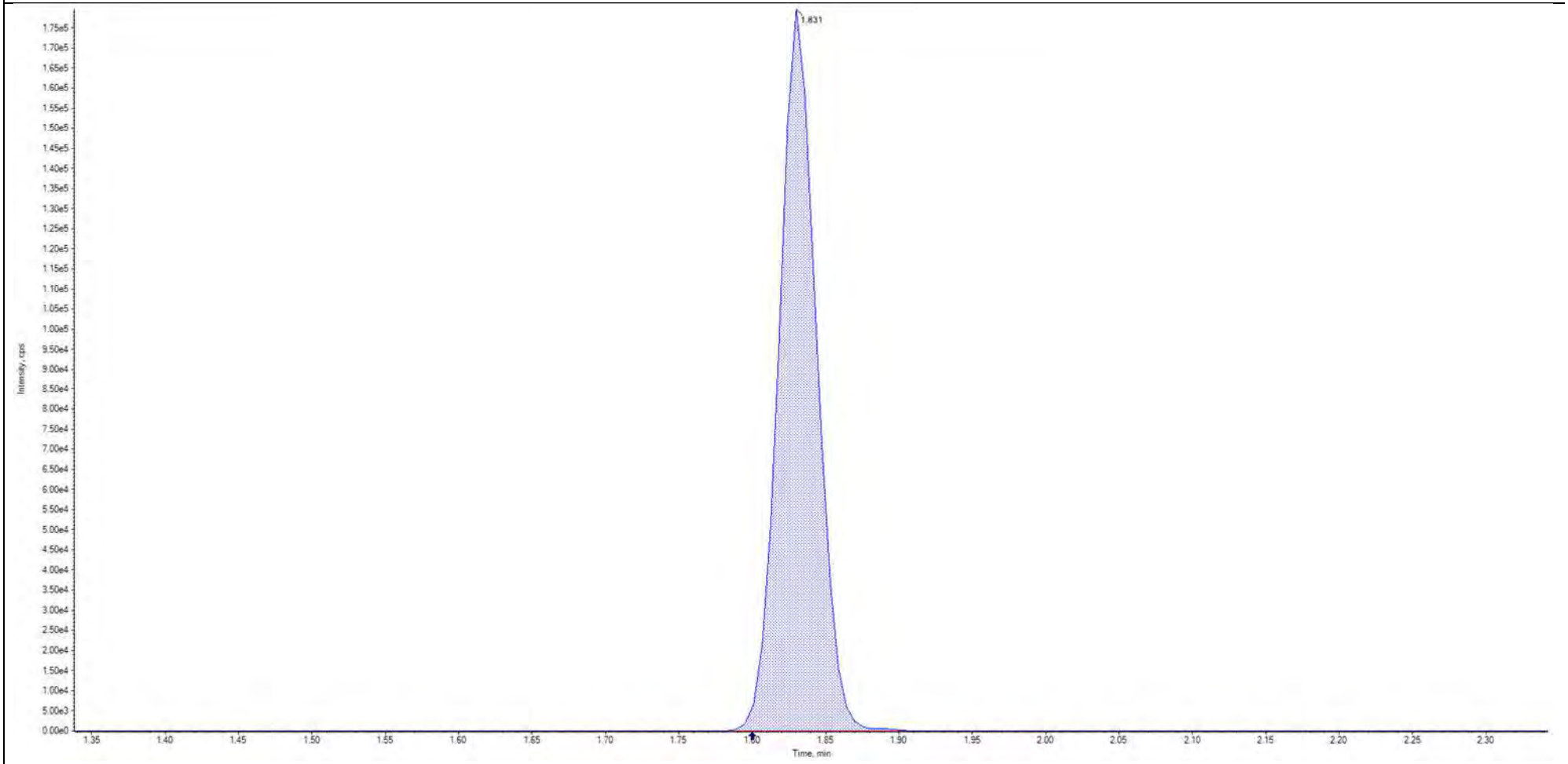
13C4-PFBA
Sample: L2467934-10



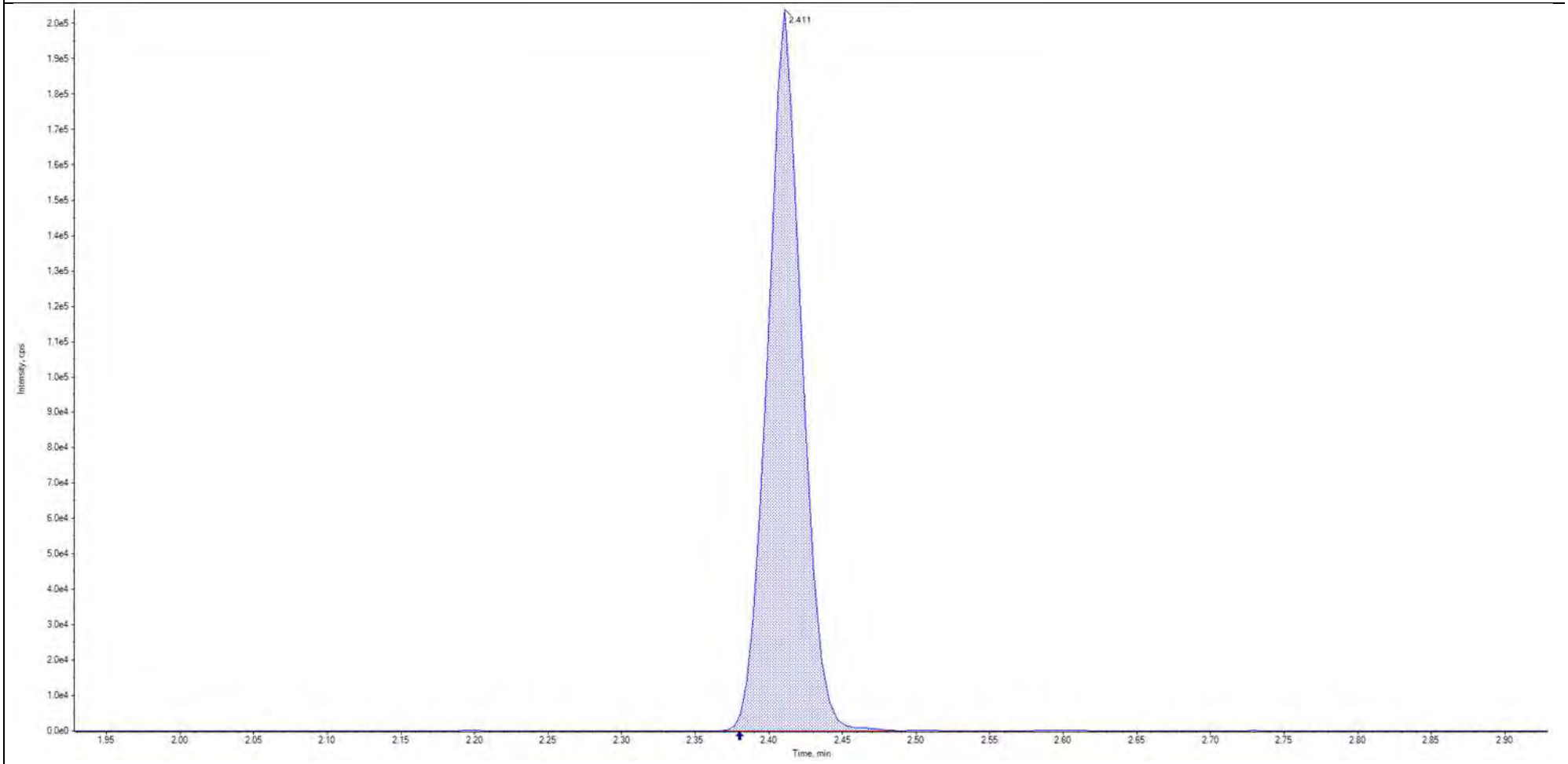
13C5-PFPeA
Sample: L2467934-10



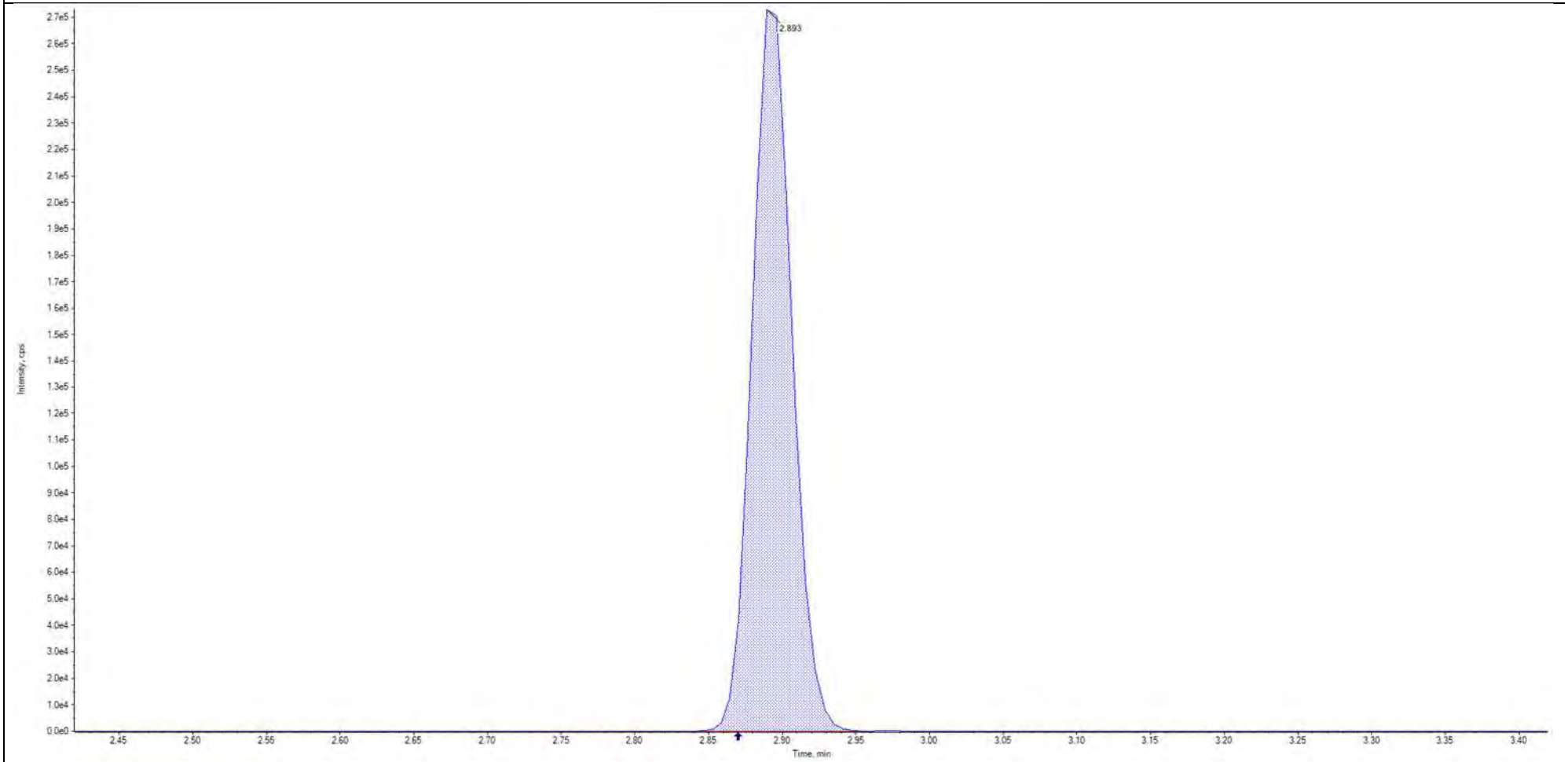
13C5-PFHxA
Sample: L2467934-10



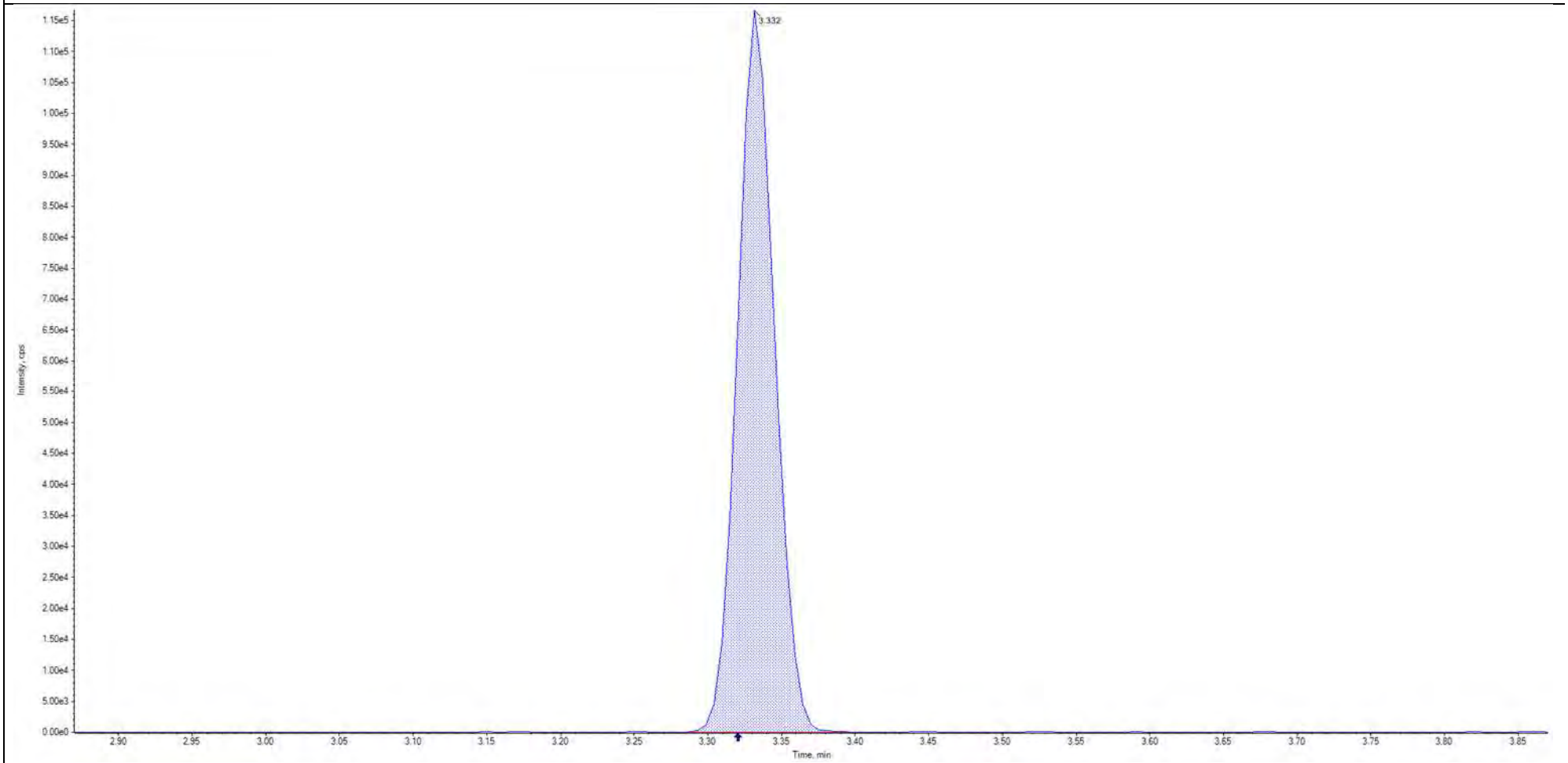
13C4-PFHpA
Sample: L2467934-10



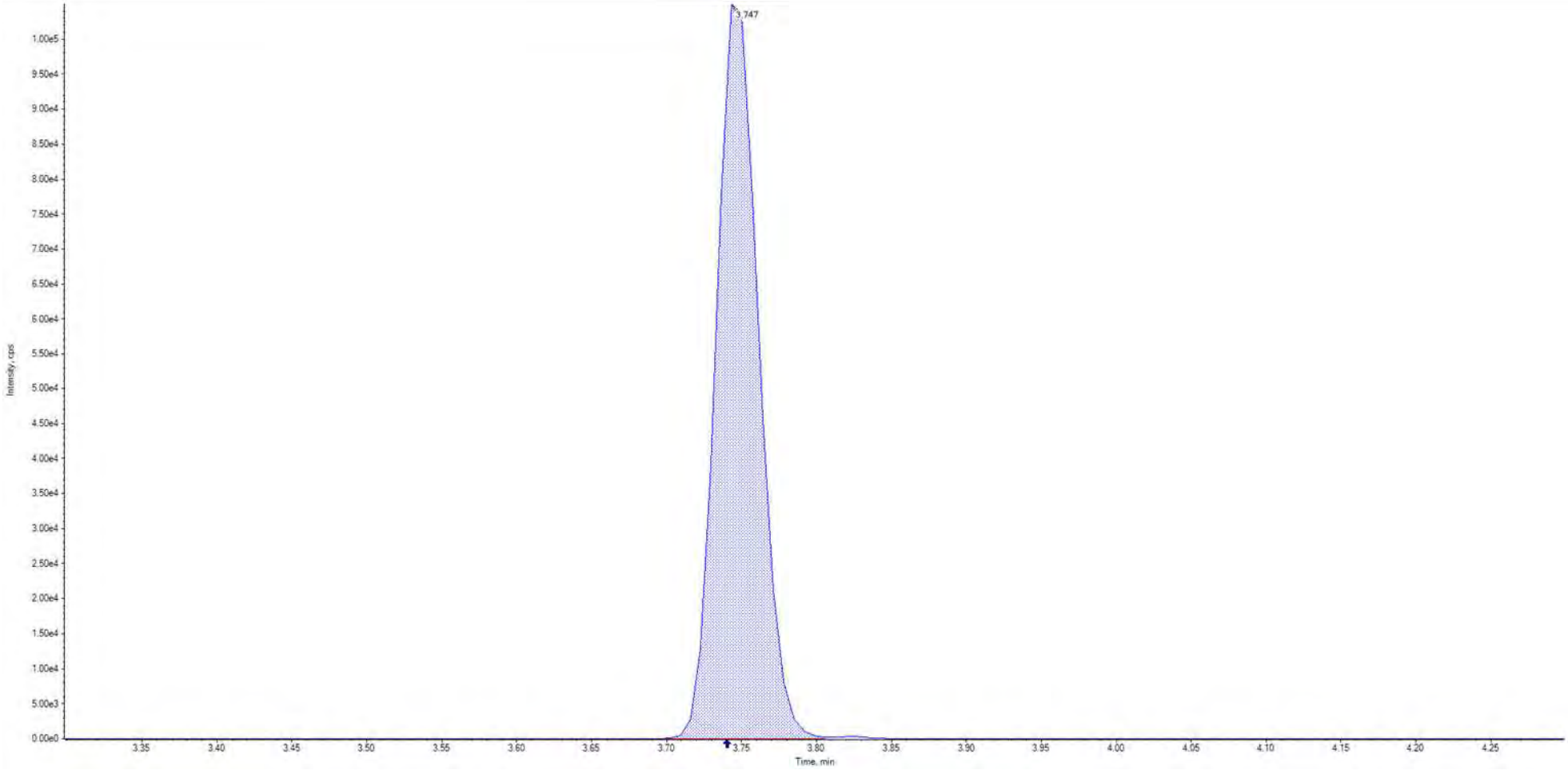
13C8-PFOA
Sample: L2467934-10



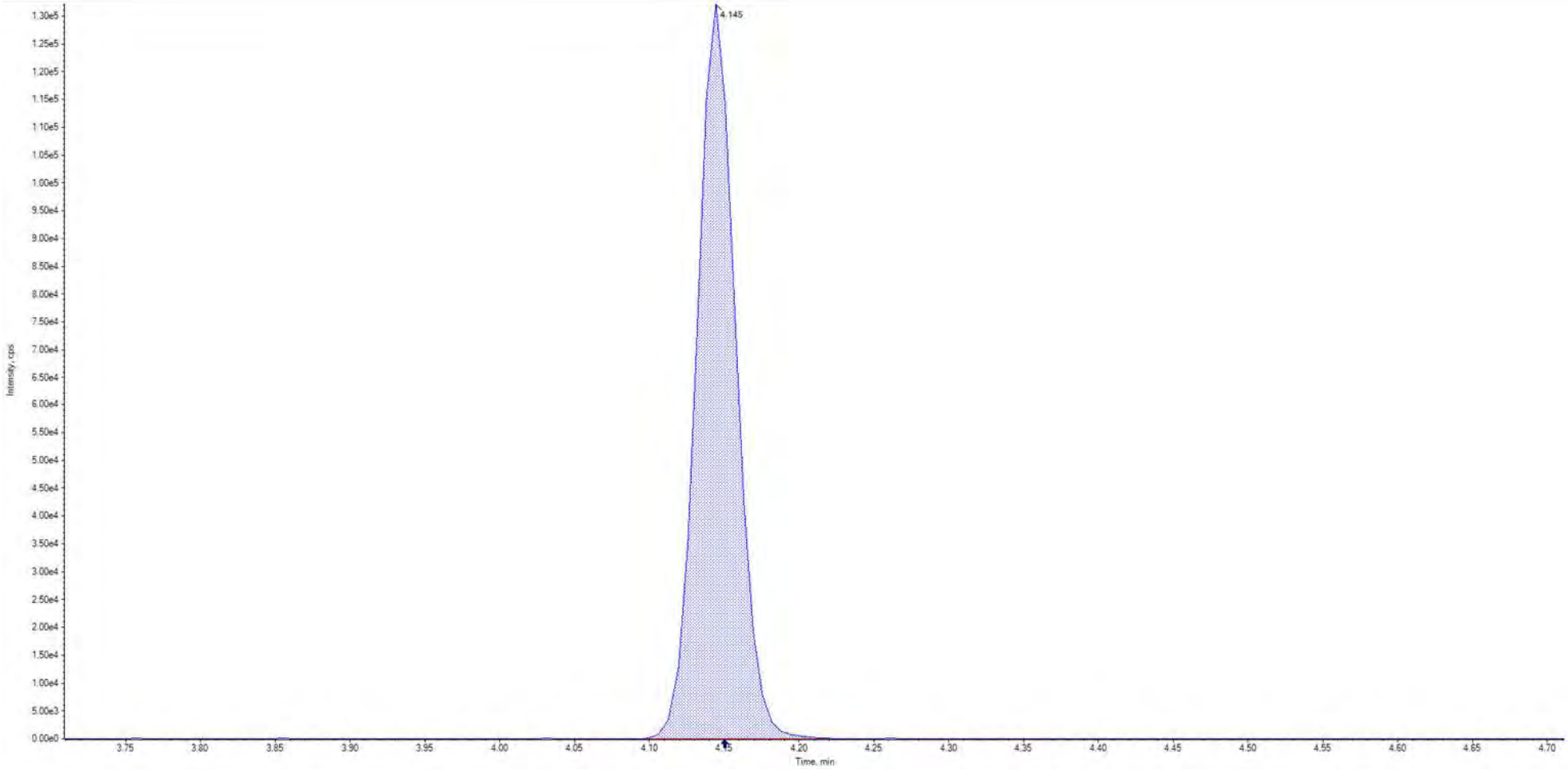
13C9-PFNA
Sample: L2467934-10



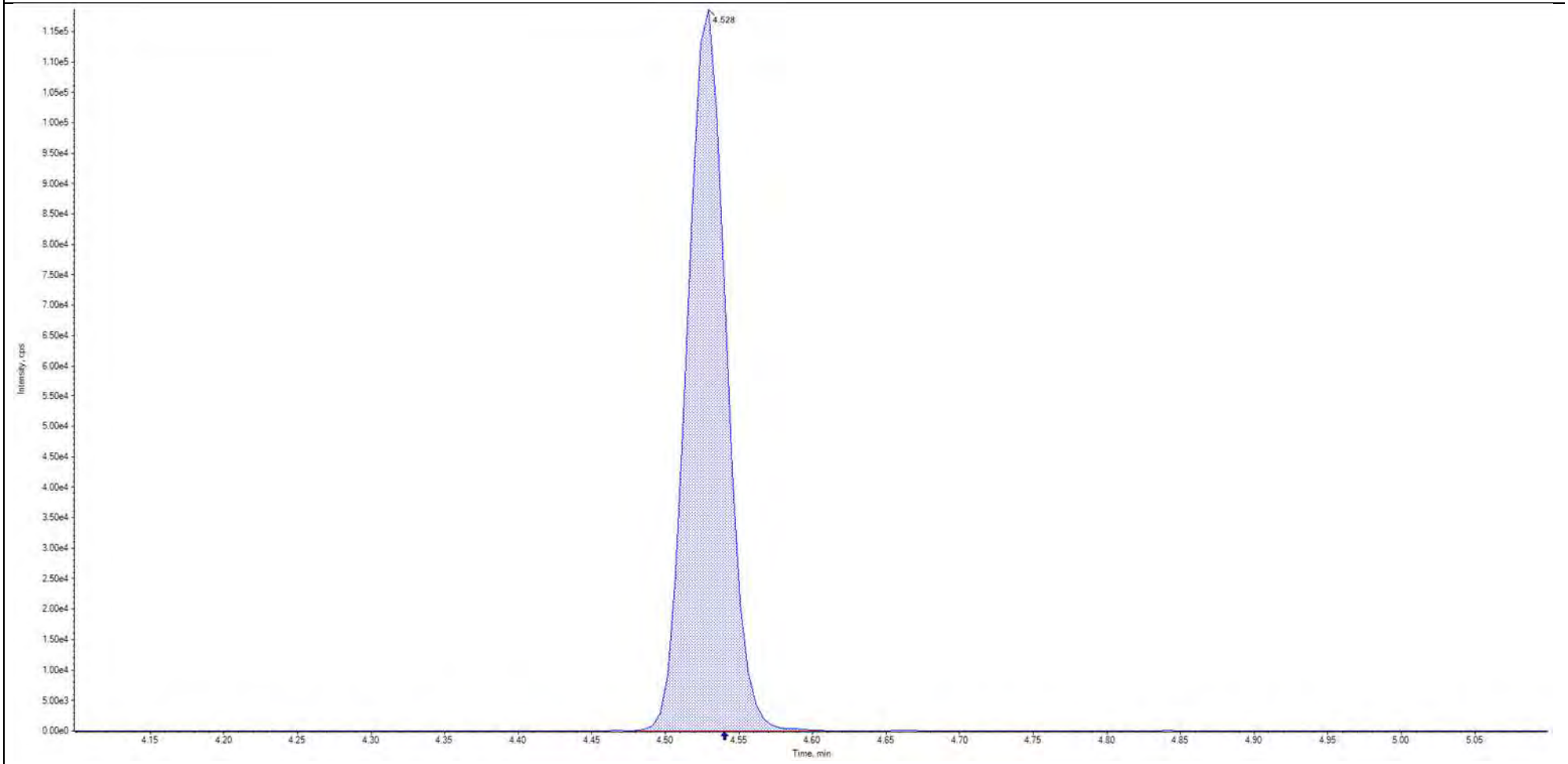
13C6-PFDA
Sample: L2467934-10



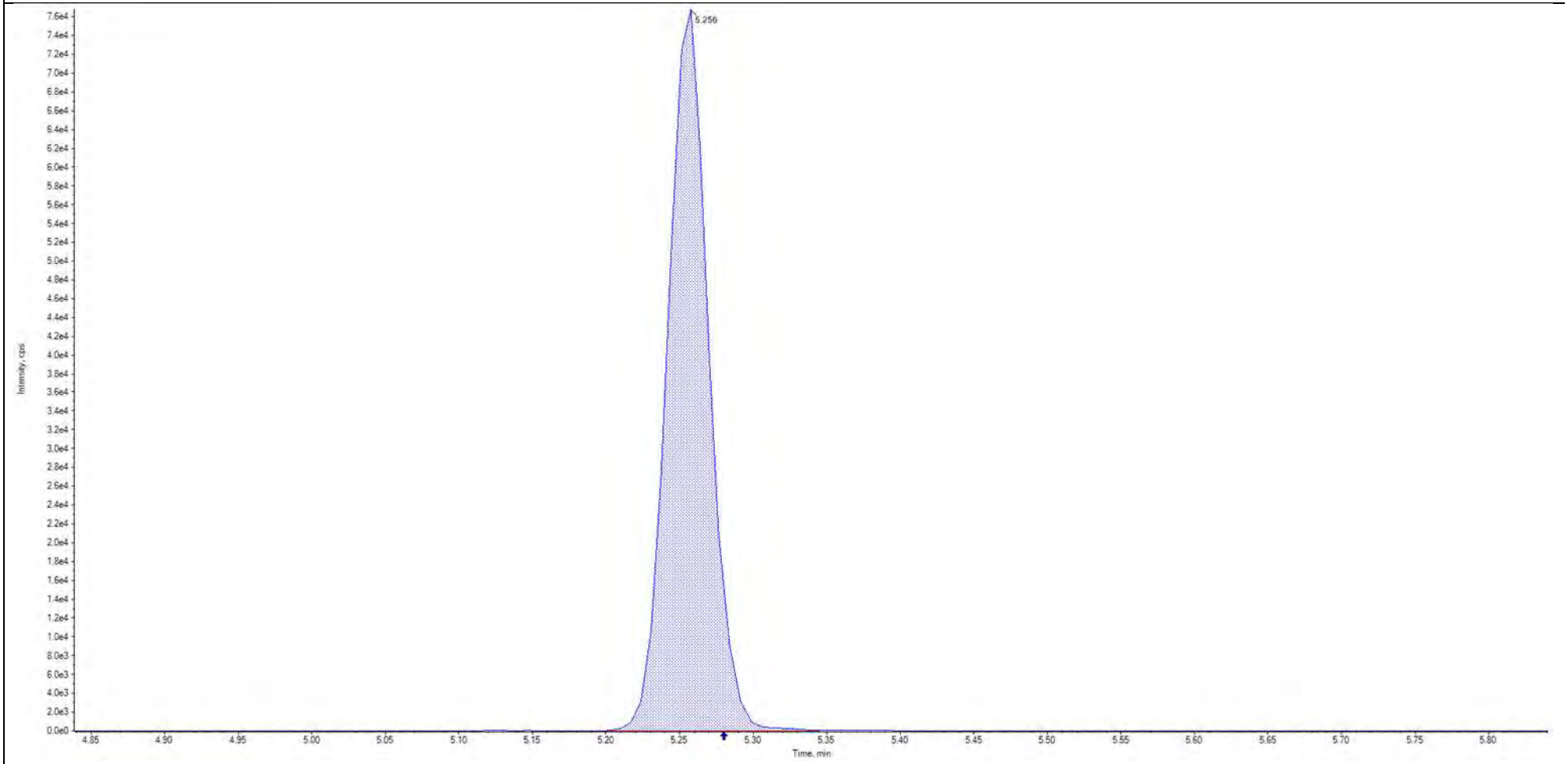
13C7-PFUnA
Sample: L2467934-10



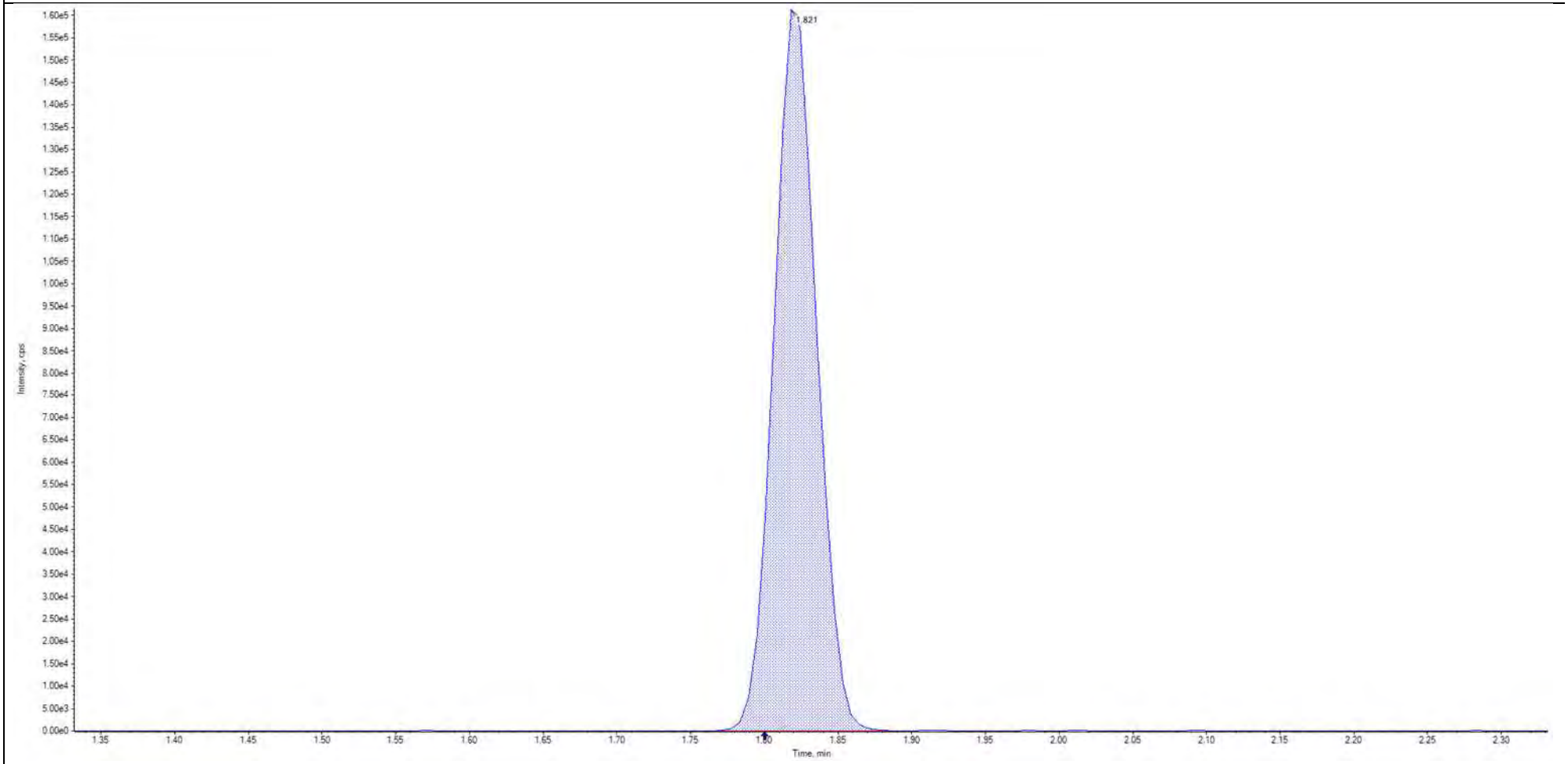
13C2-PFDoA
Sample: L2467934-10



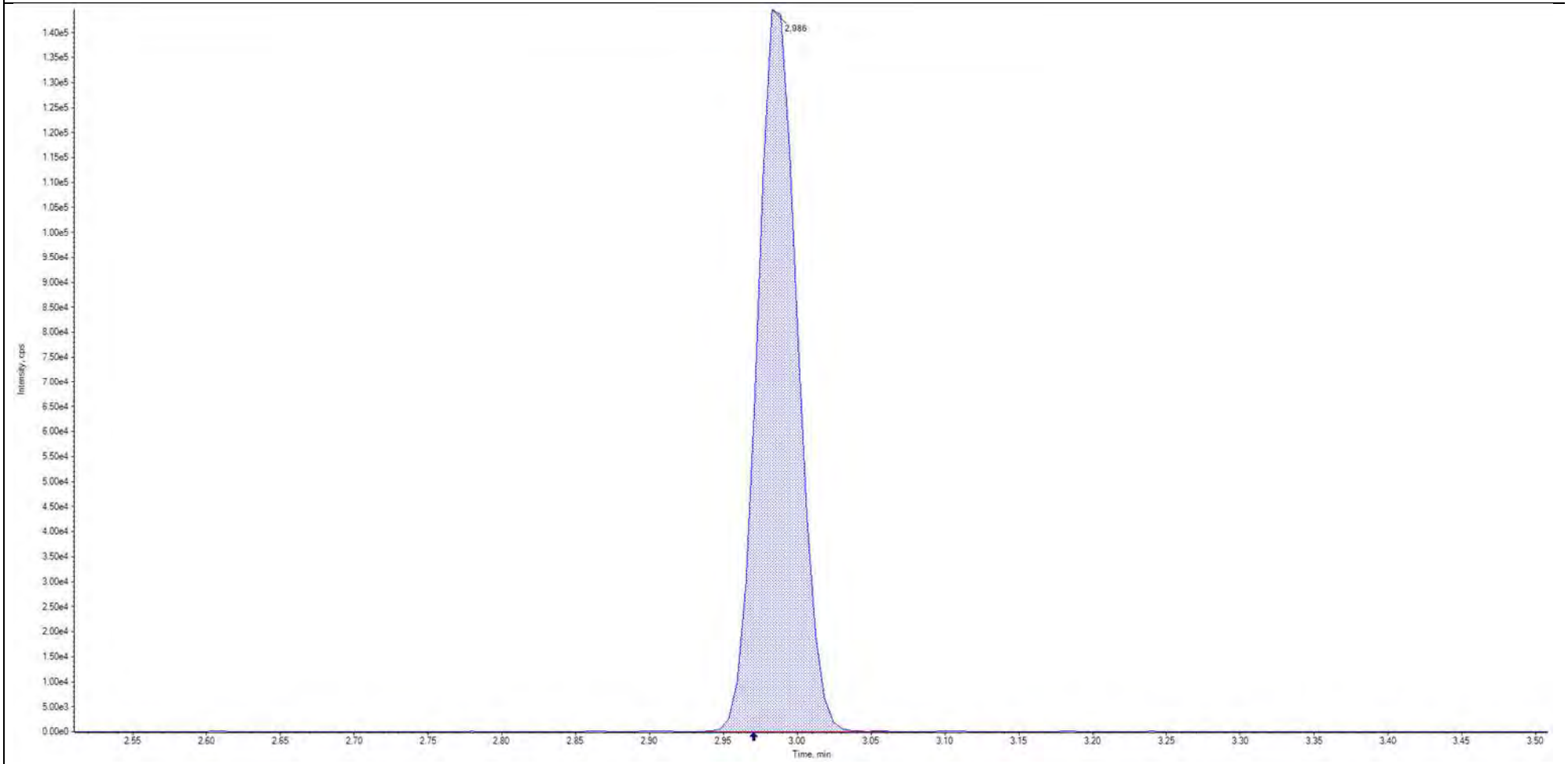
13C2-PFTeDA
Sample: L2467934-10



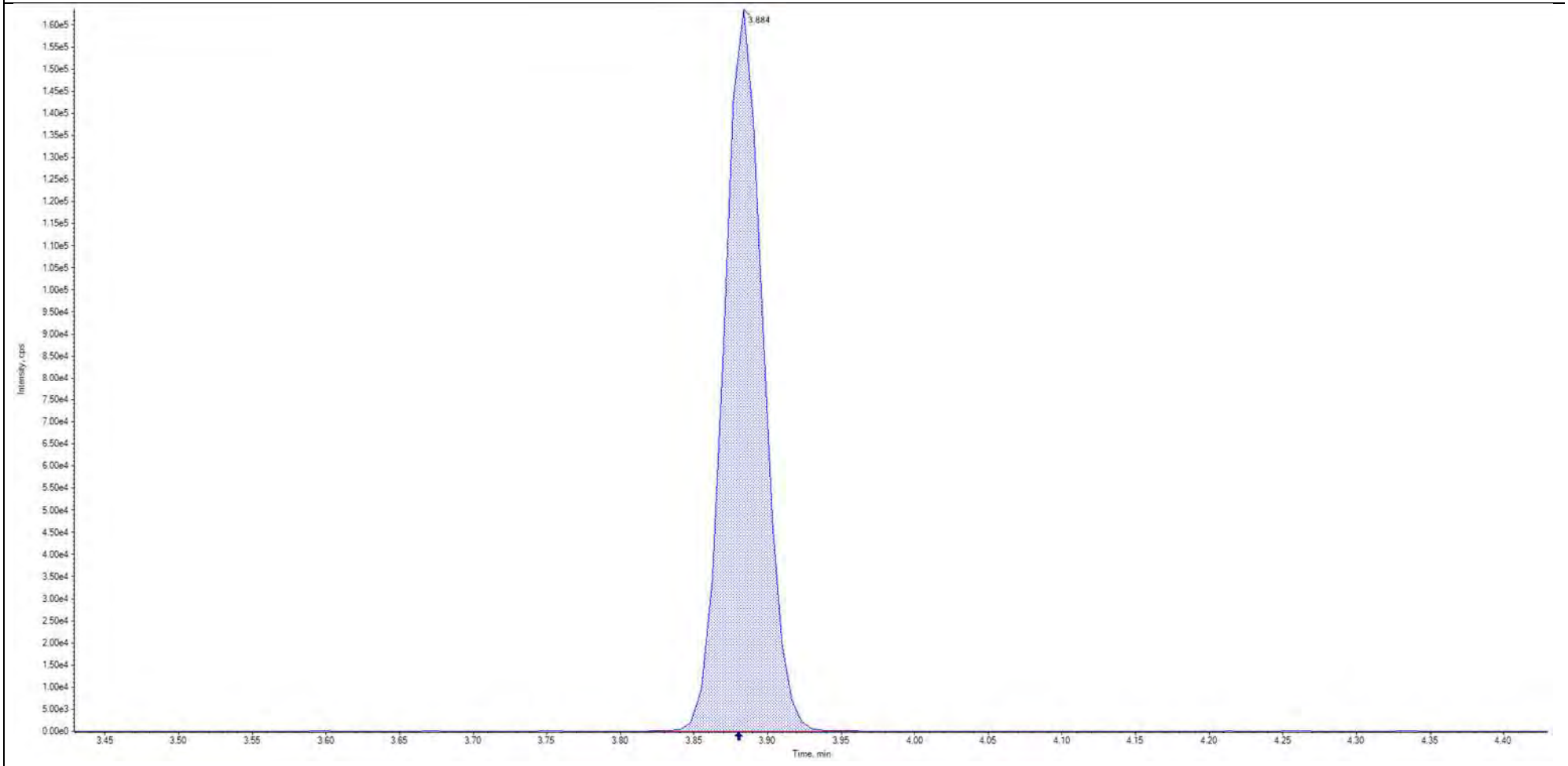
13C3-PFBS
Sample: L2467934-10



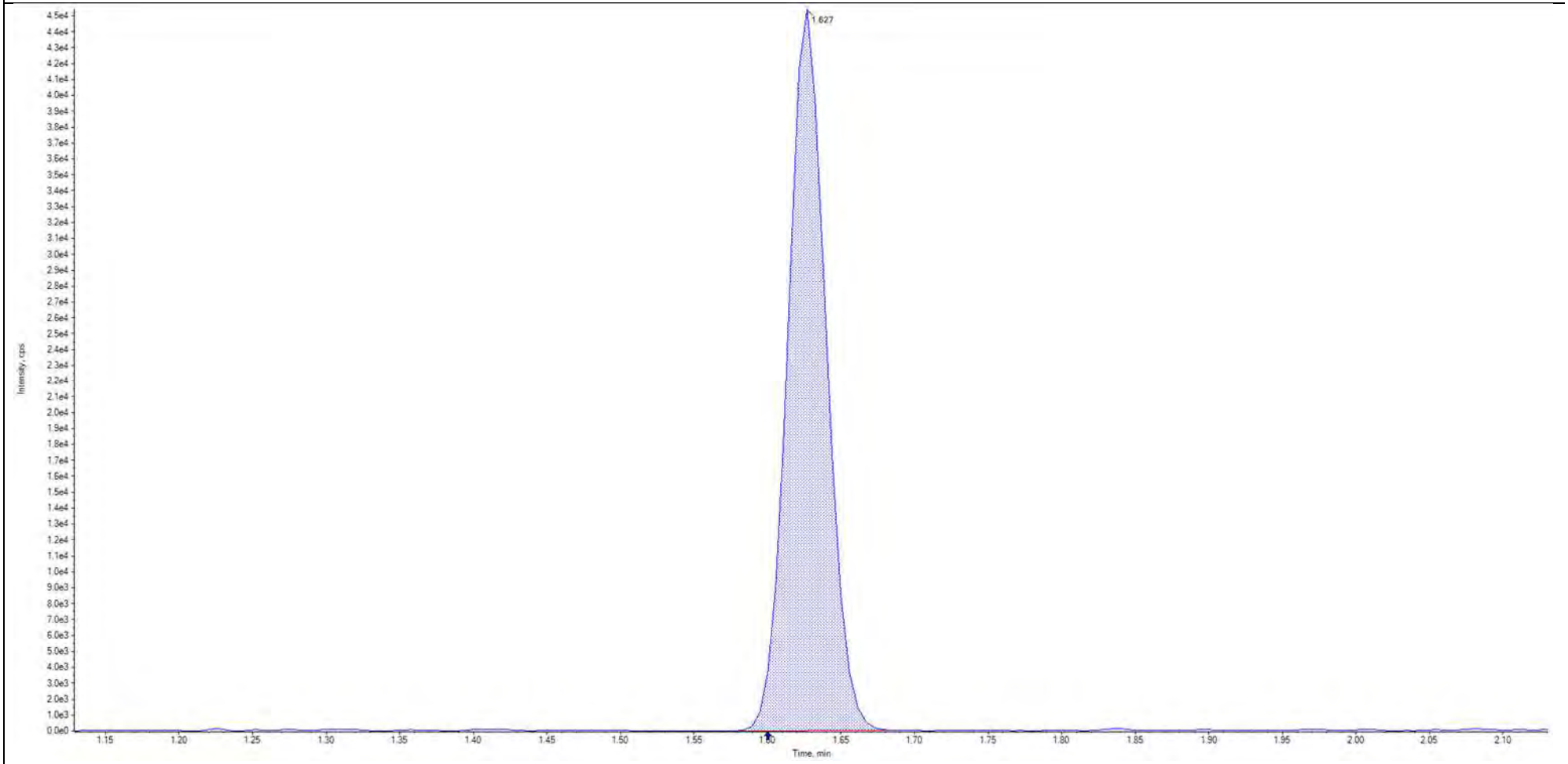
13C3-PFHxS
Sample: L2467934-10



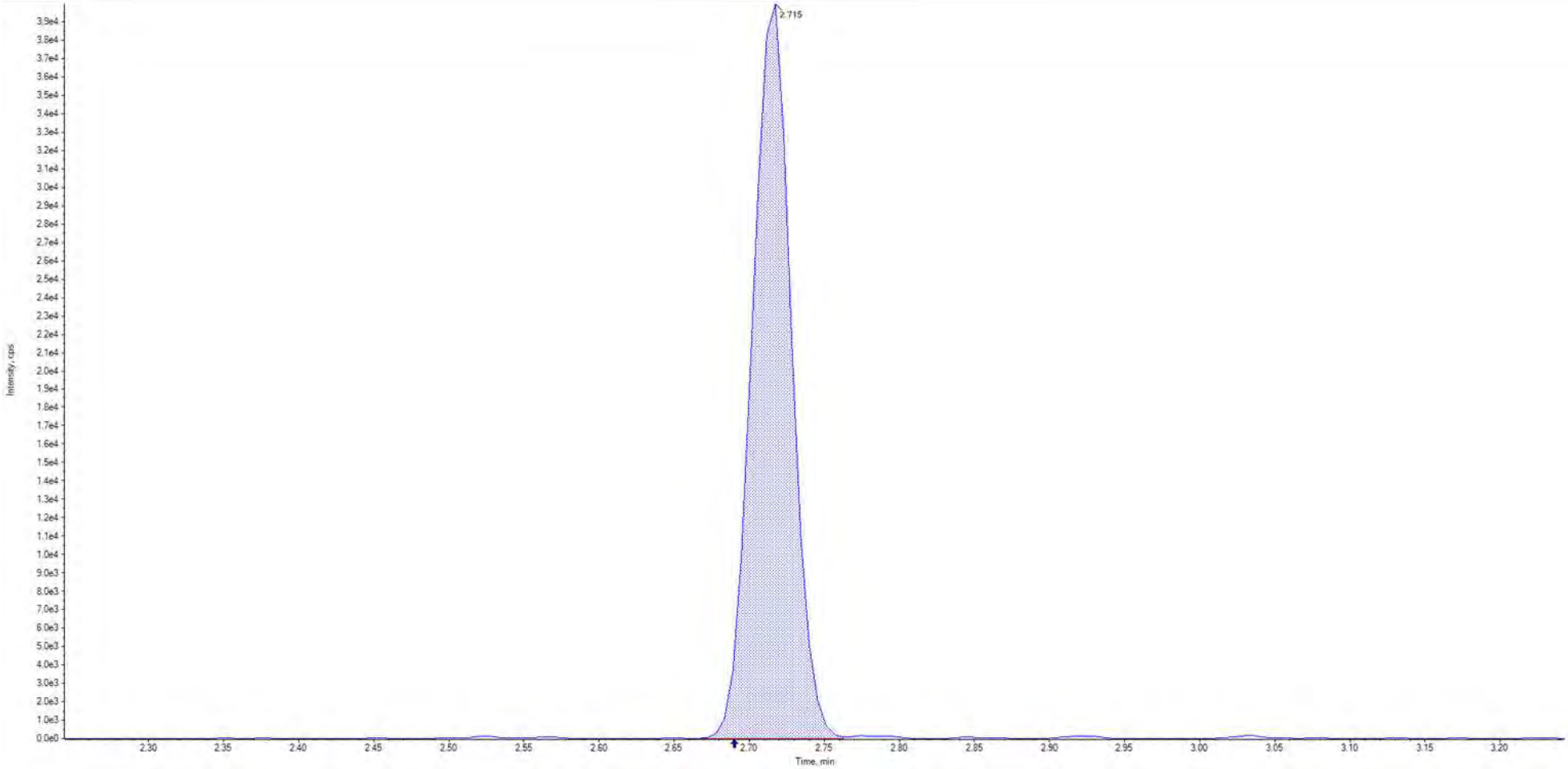
13C8-PFOS
Sample: L2467934-10



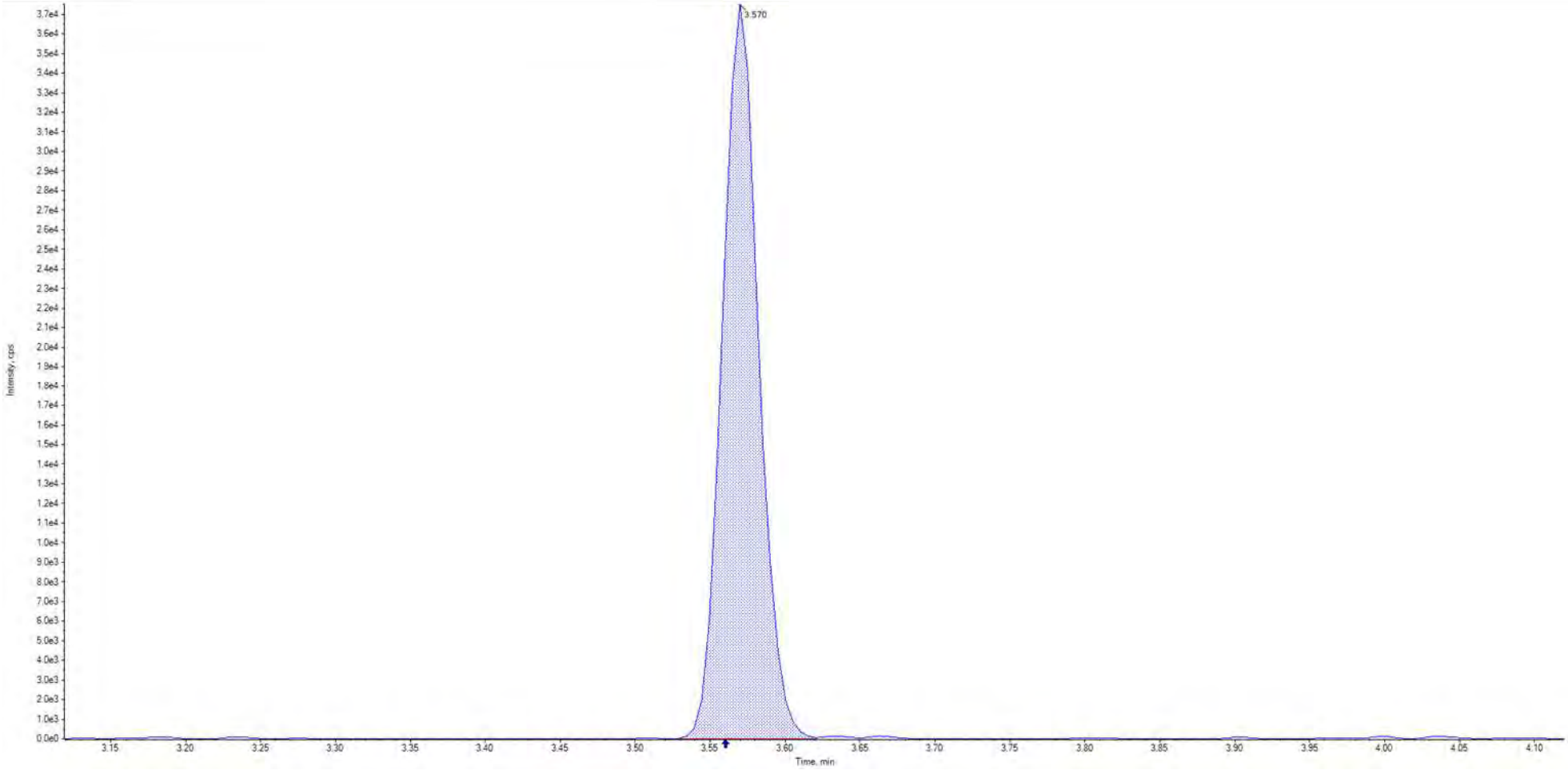
13C2-4:2FTS
Sample: L2467934-10



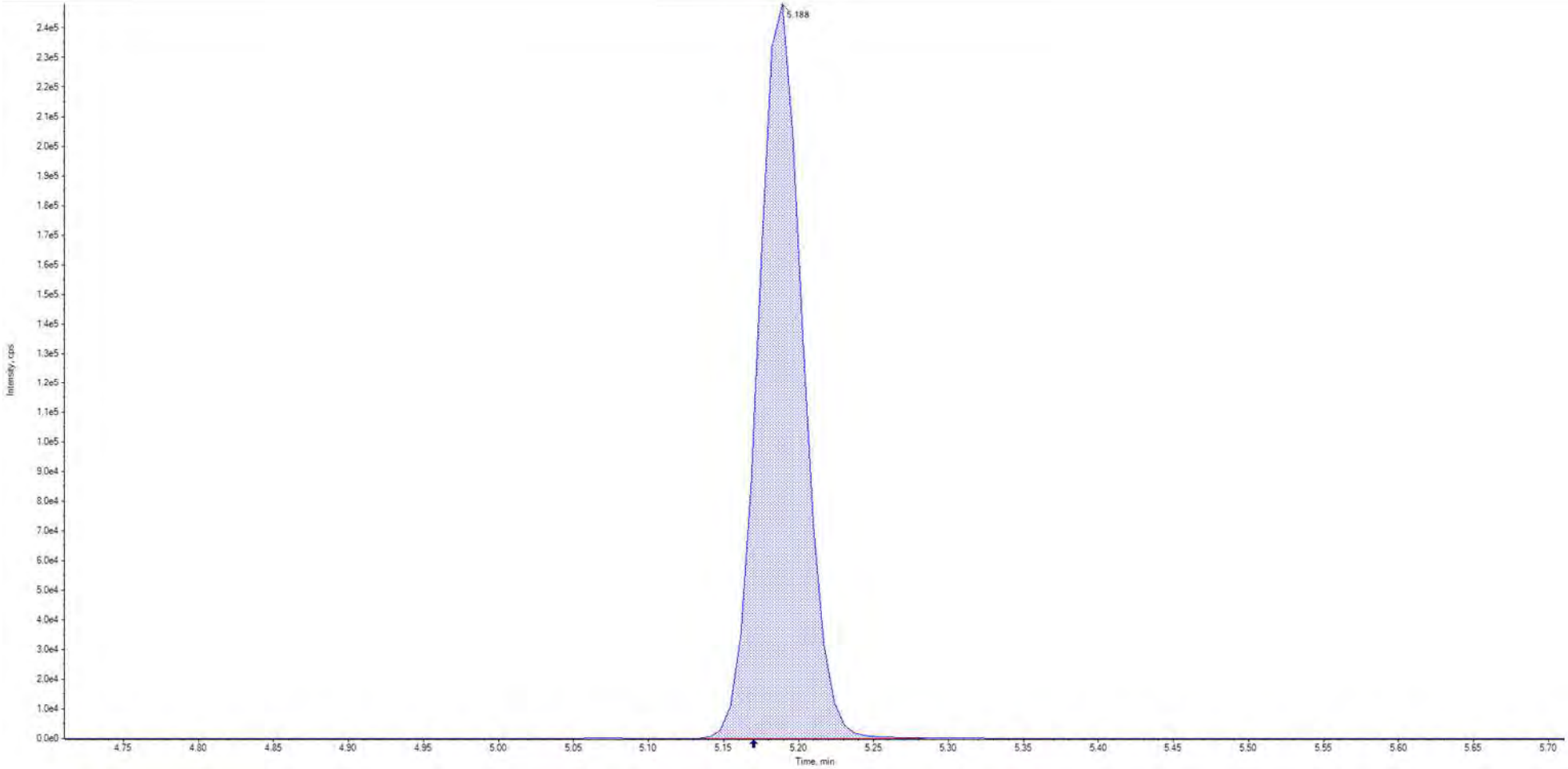
13C2-6:2FTS
Sample: L2467934-10



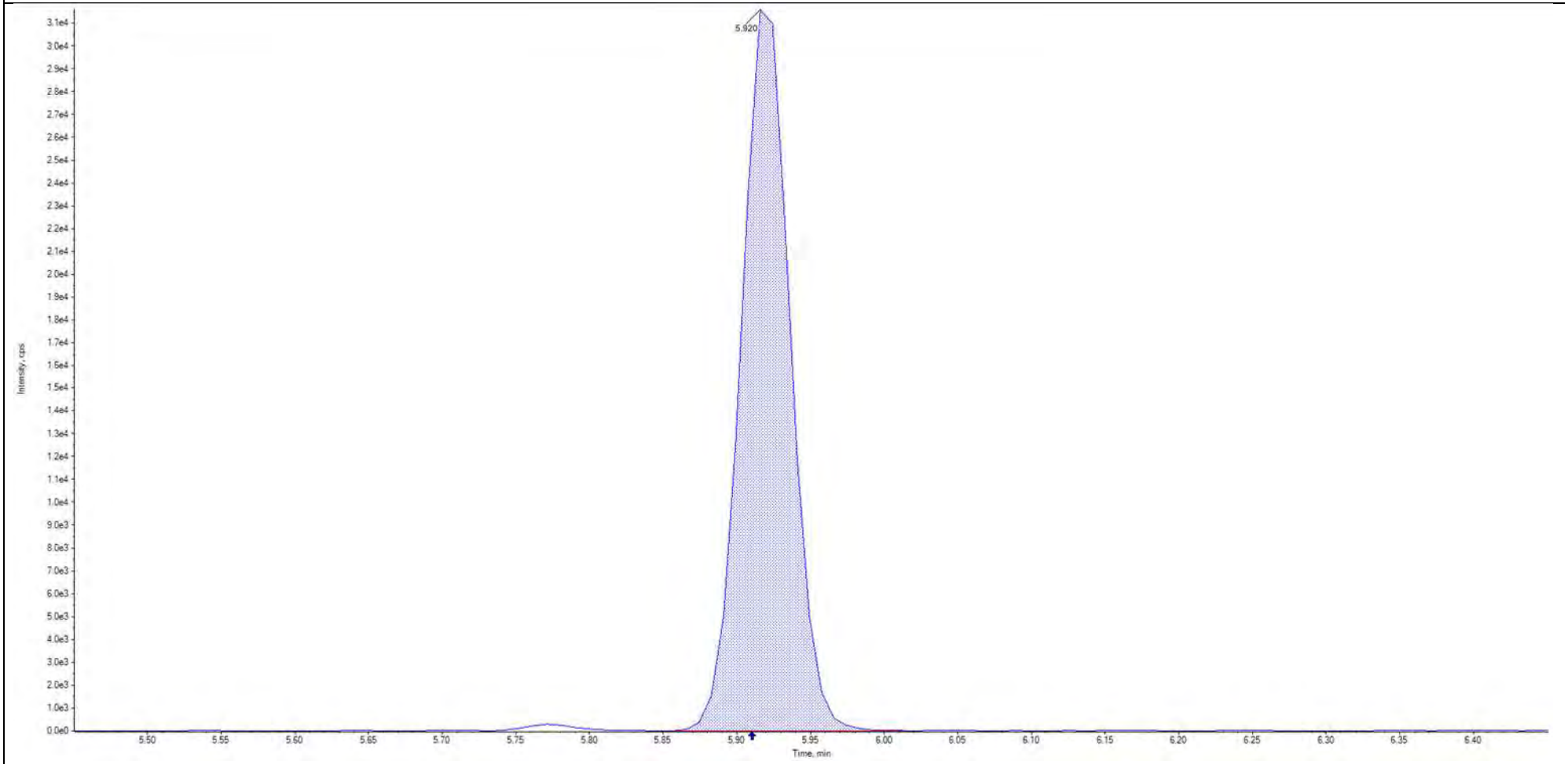
13C2-8:2FTS
Sample: L2467934-10



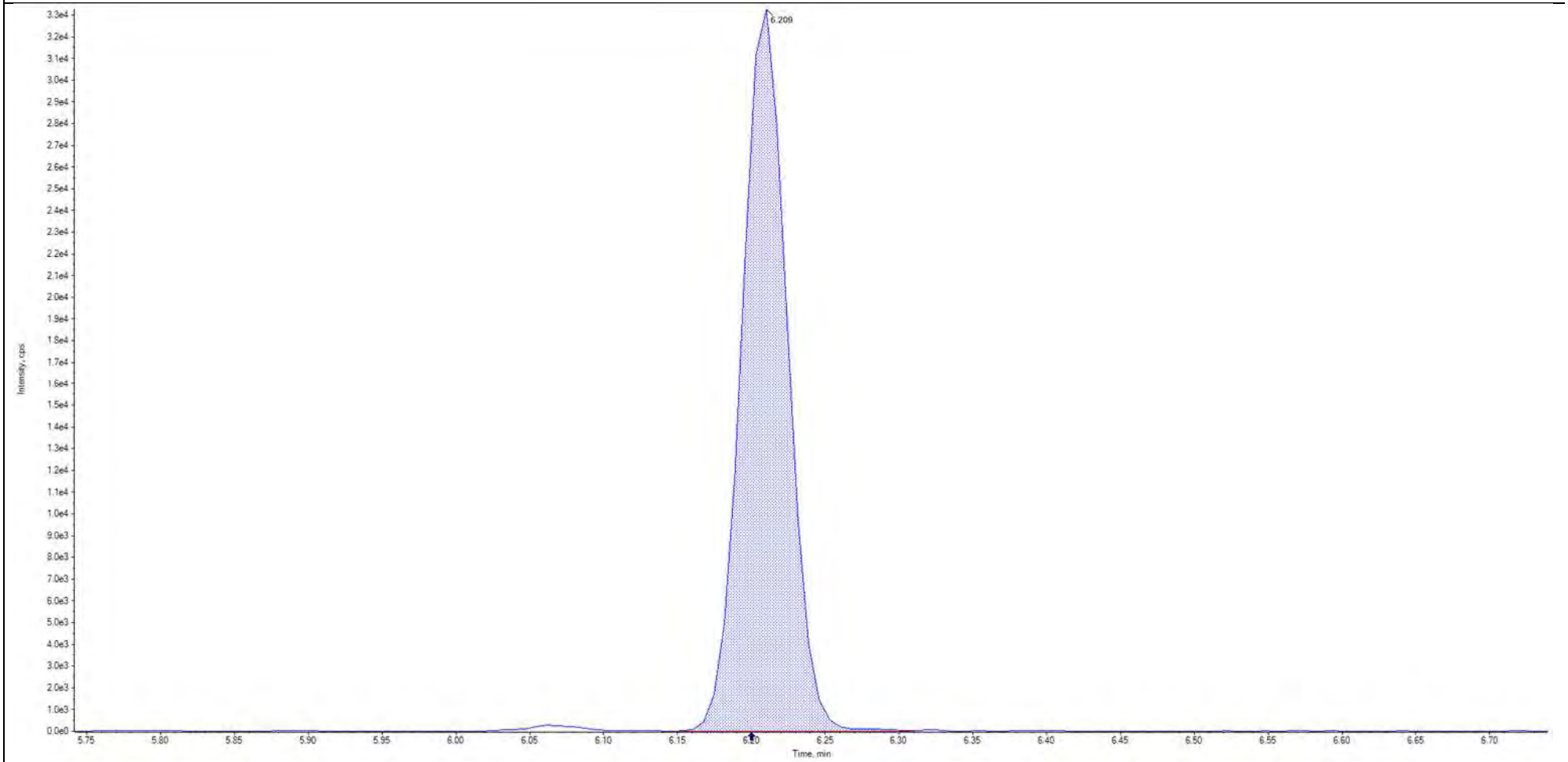
13C8-PFOSA
Sample: L2467934-10



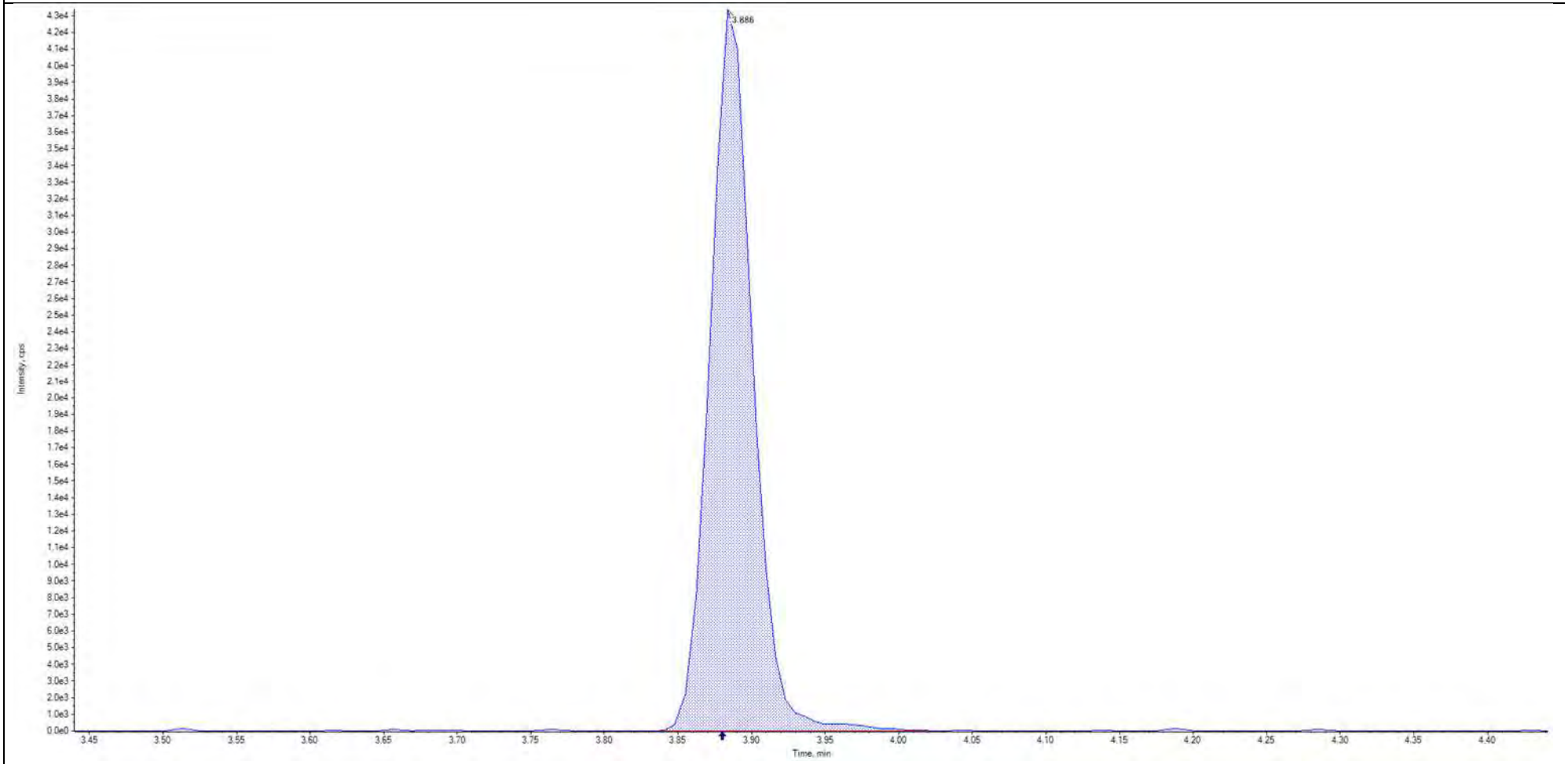
d3-NMeFOSA
Sample: L2467934-10



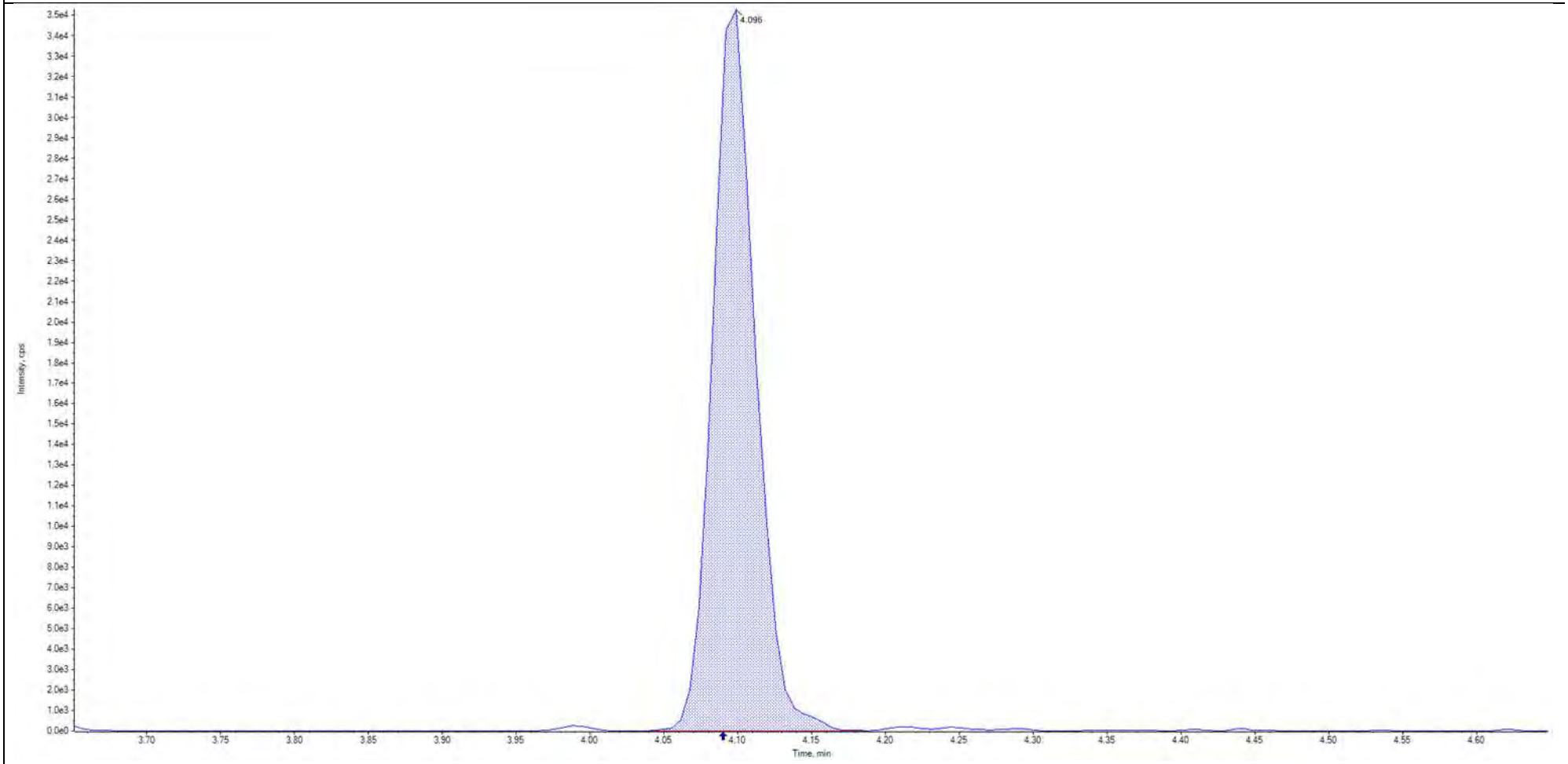
d5-NEtFOSA
Sample: L2467934-10



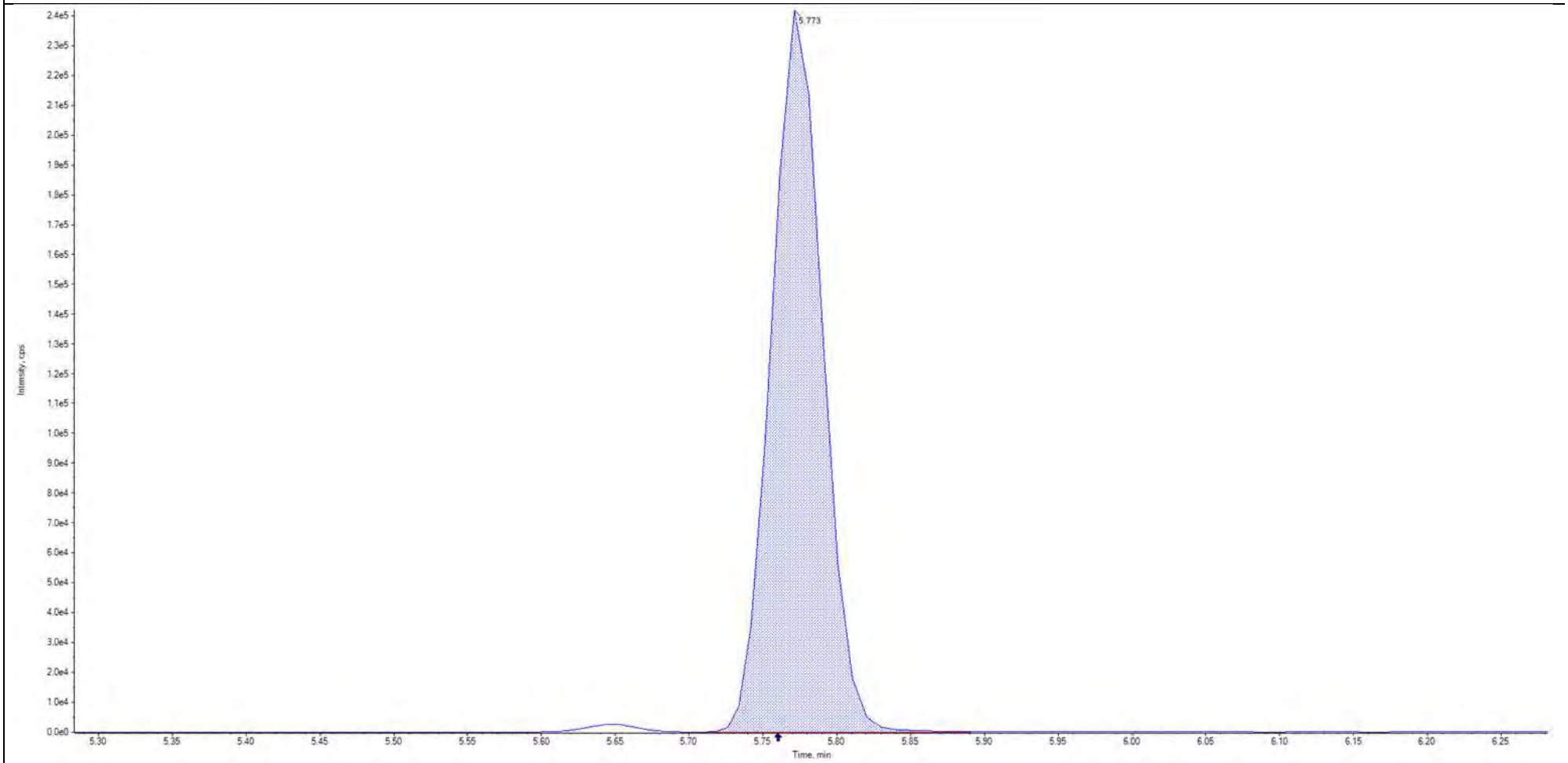
d3-NMeFOSAA
Sample: L2467934-10



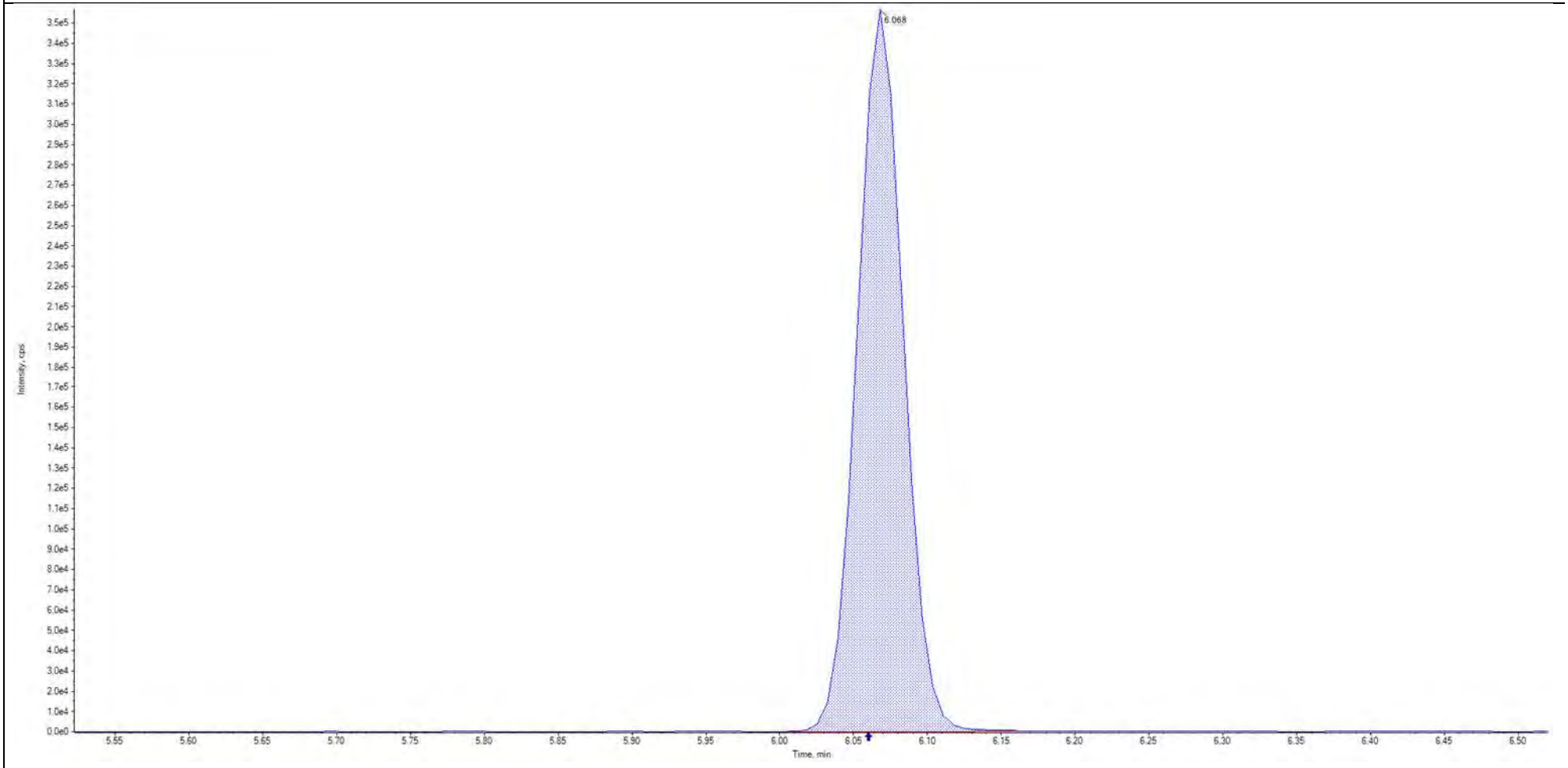
d5-NEtFOSAA
Sample: L2467934-10



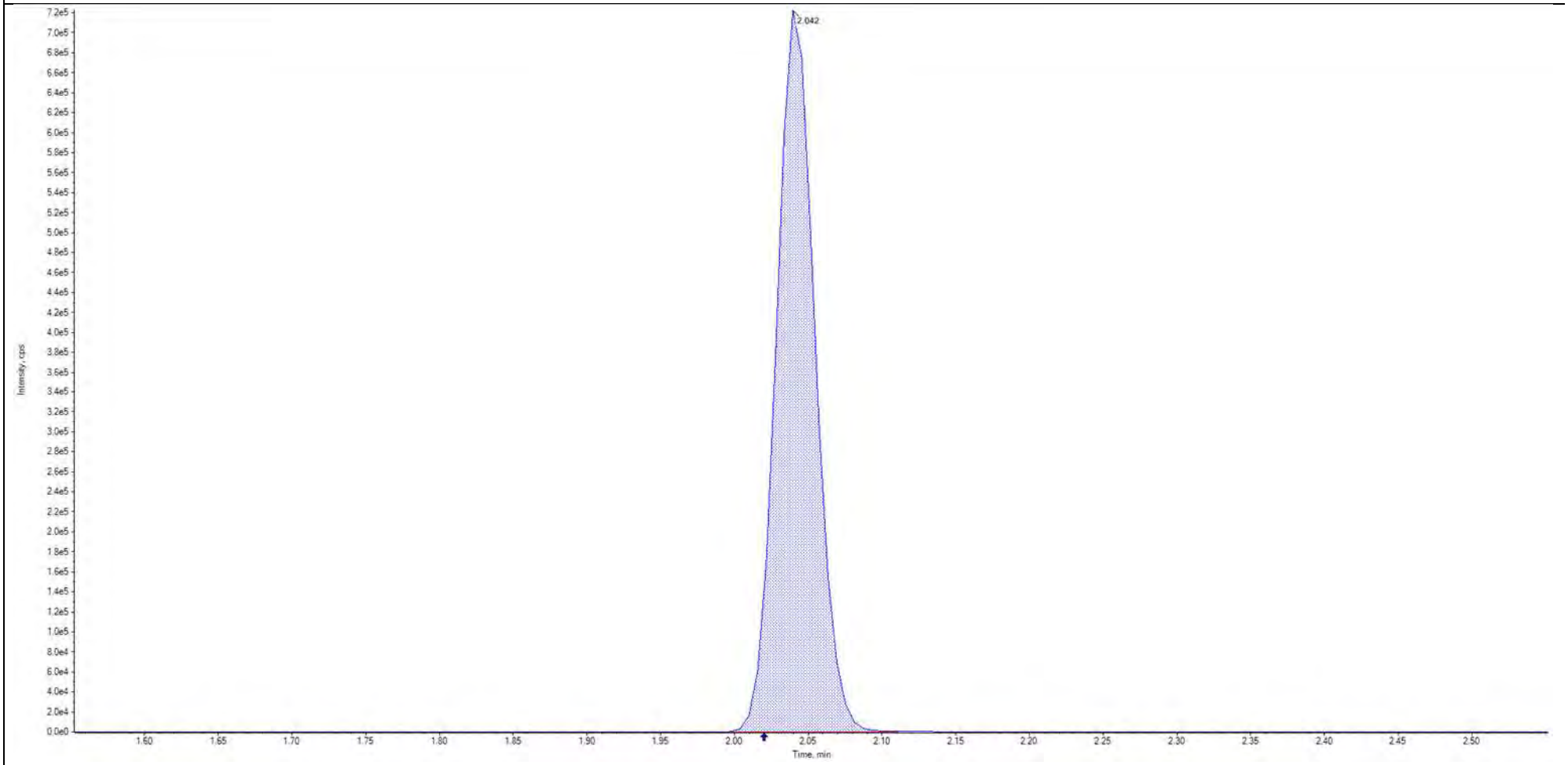
d7-NMeFOSE
Sample: L2467934-10



d9-NEtFOSE
Sample: L2467934-10

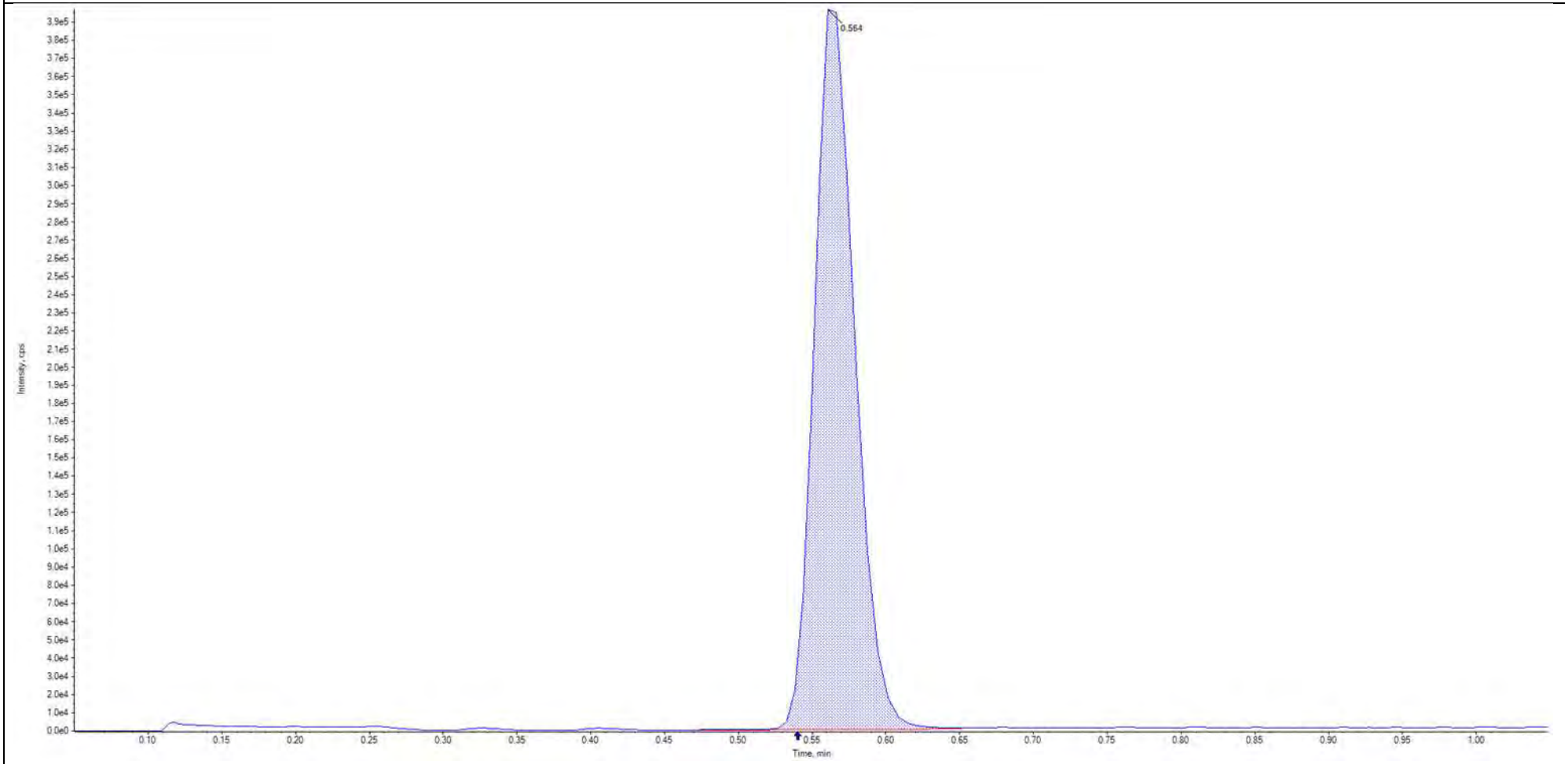


13C3-HFPO-DA
Sample: L2467934-10

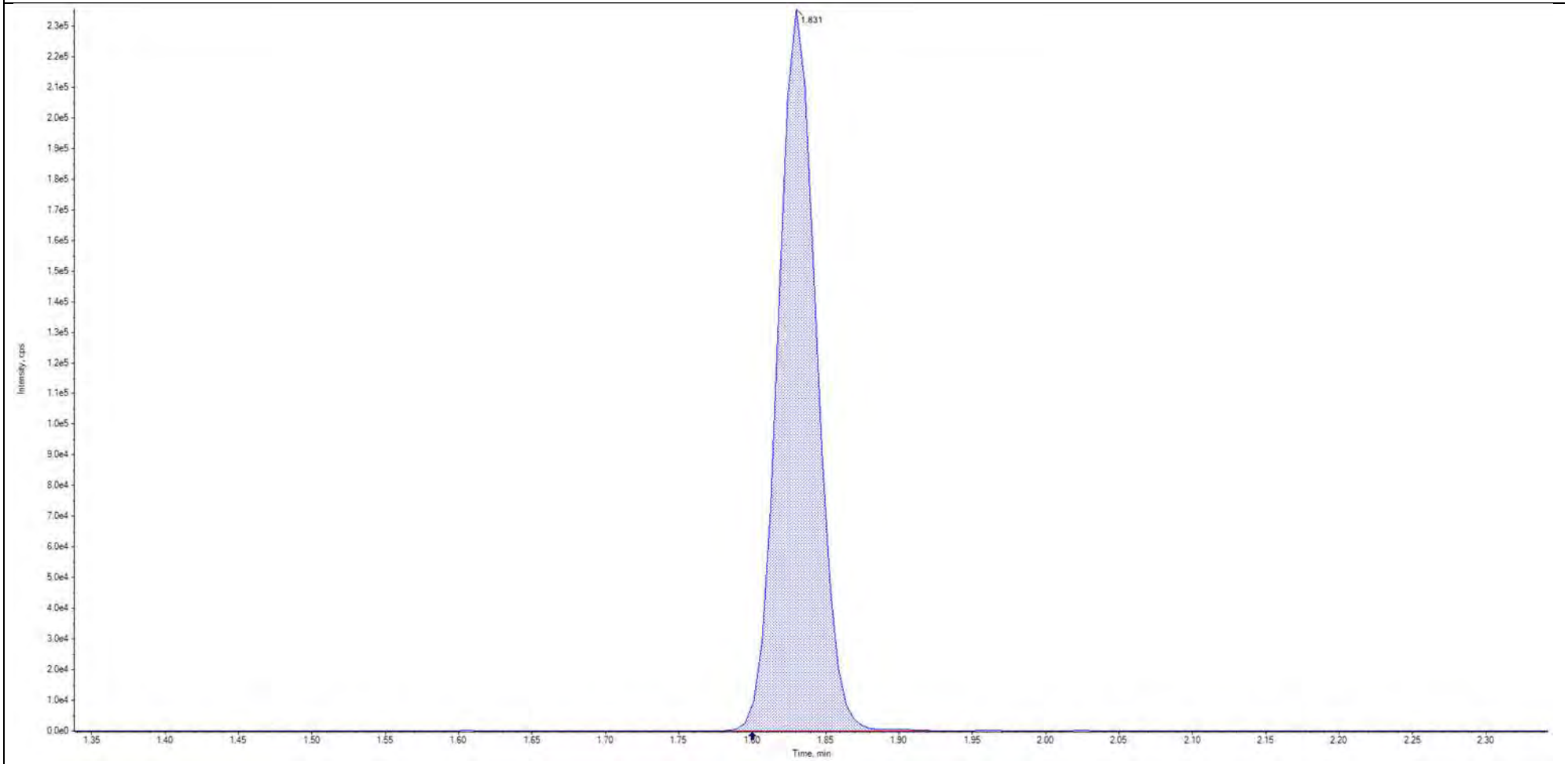


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_29.wiff2_14
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

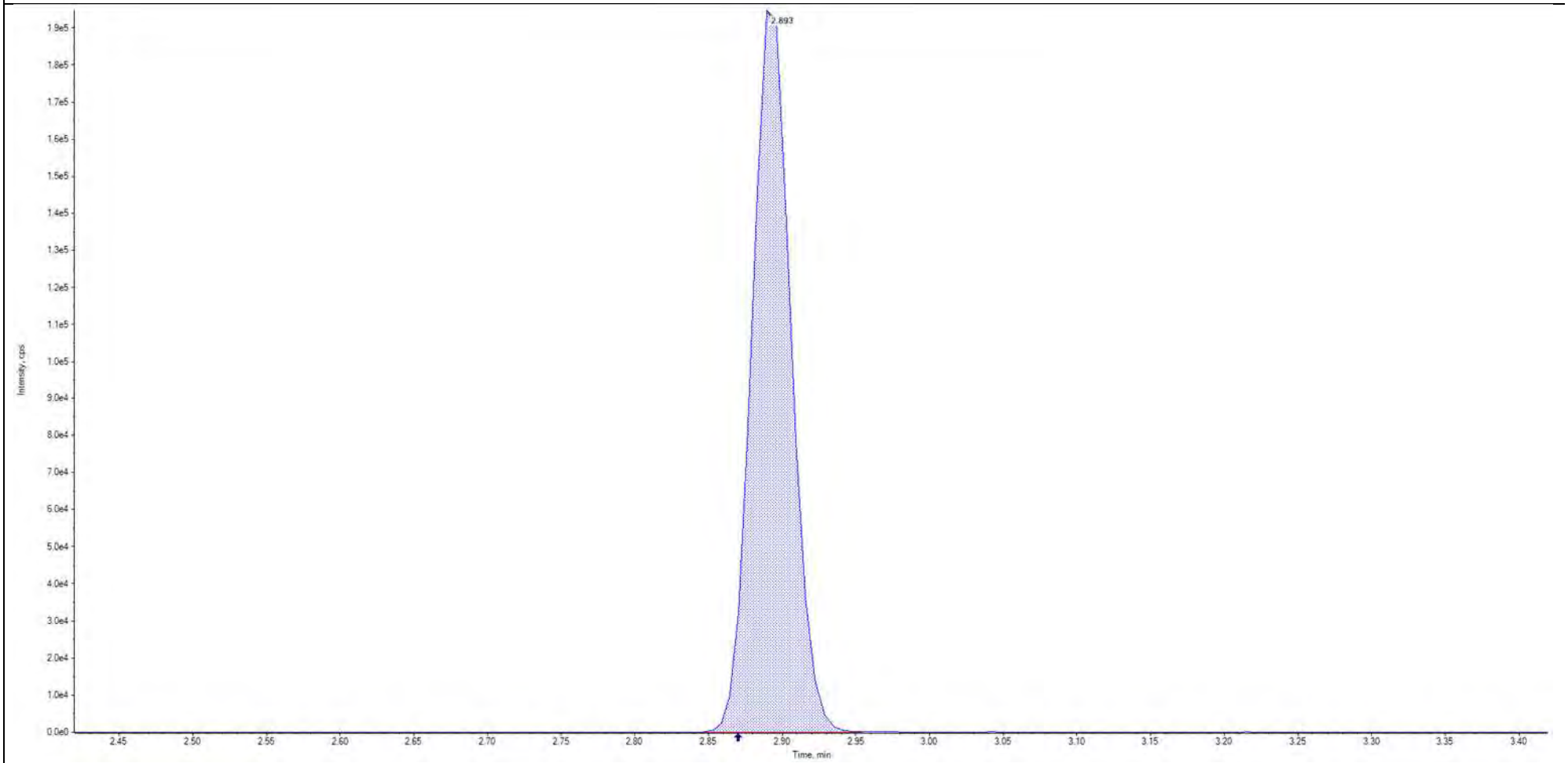
13C3-PFBA
Sample: L2467934-10



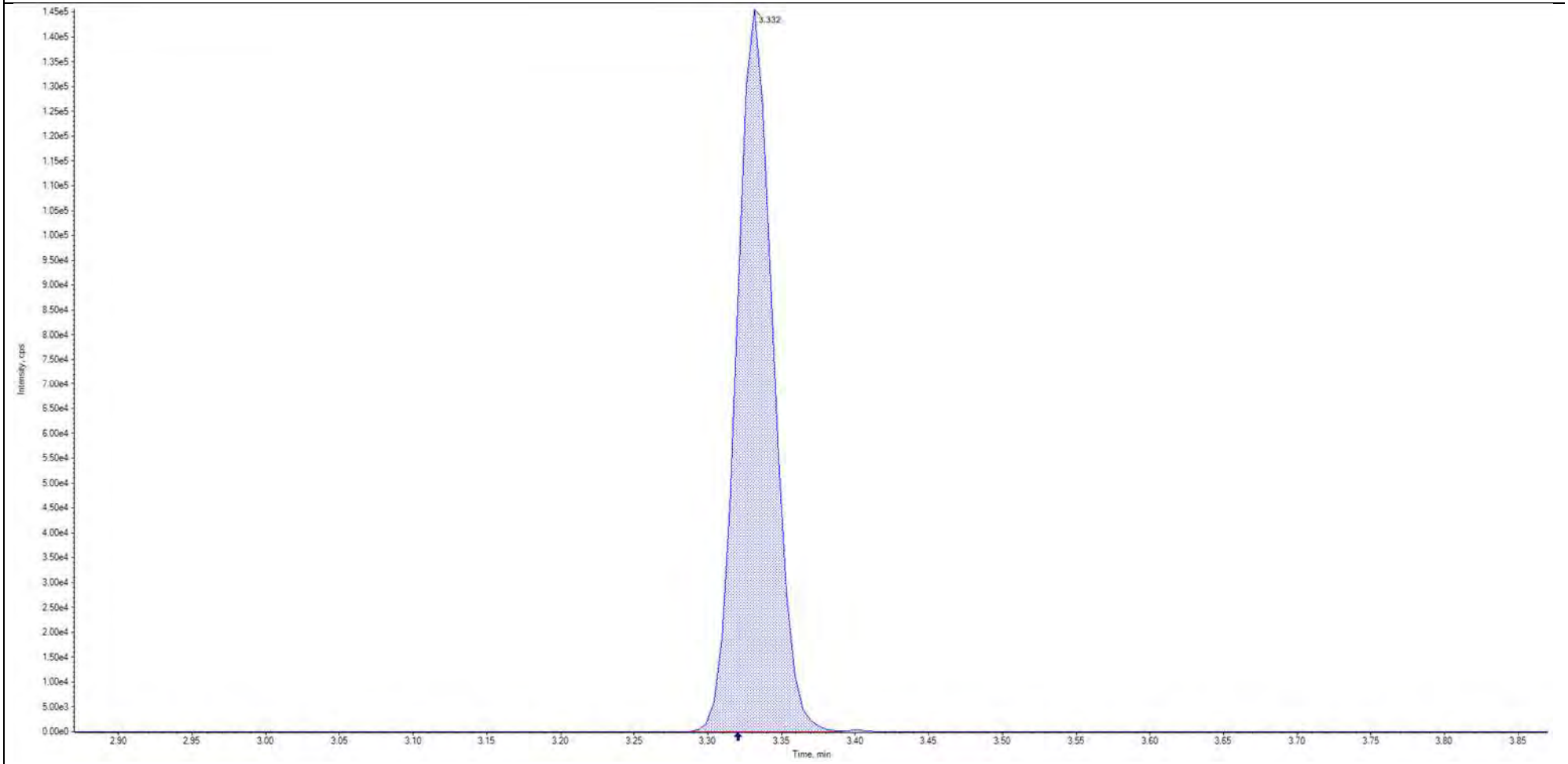
13C2-PFHxA
Sample: L2467934-10



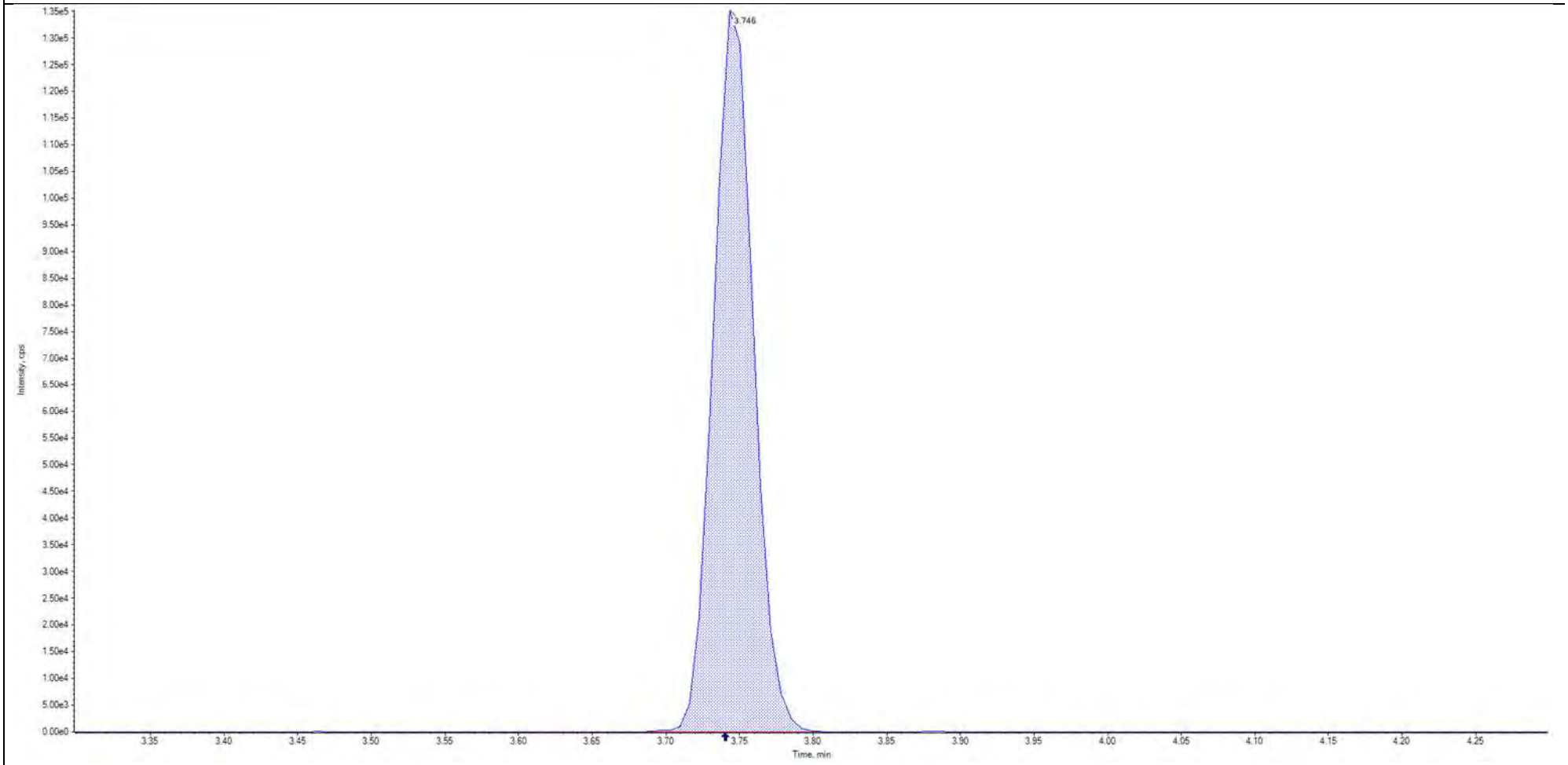
13C4-PFOA
Sample: L2467934-10



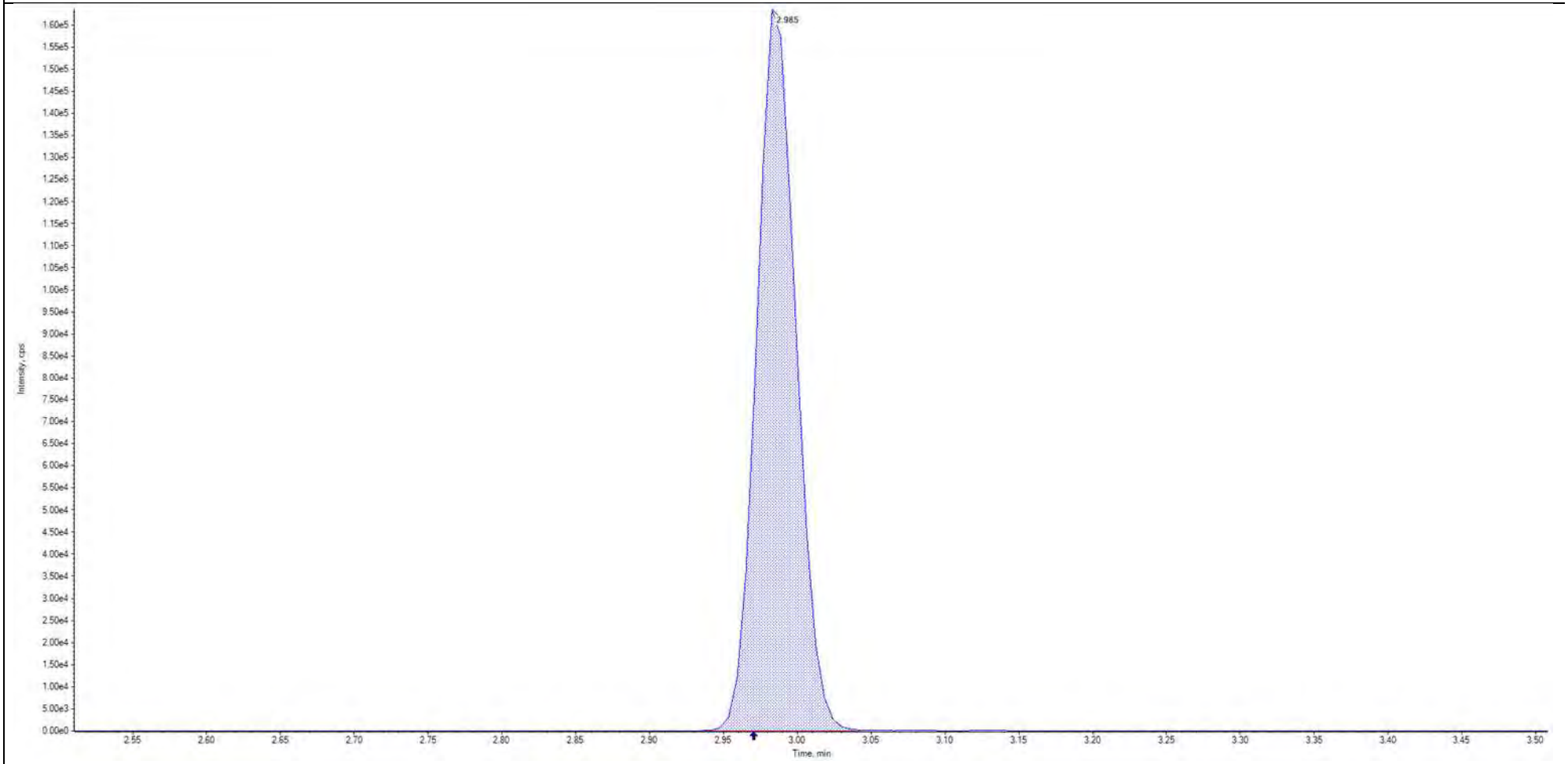
13C5-PFNA
Sample: L2467934-10



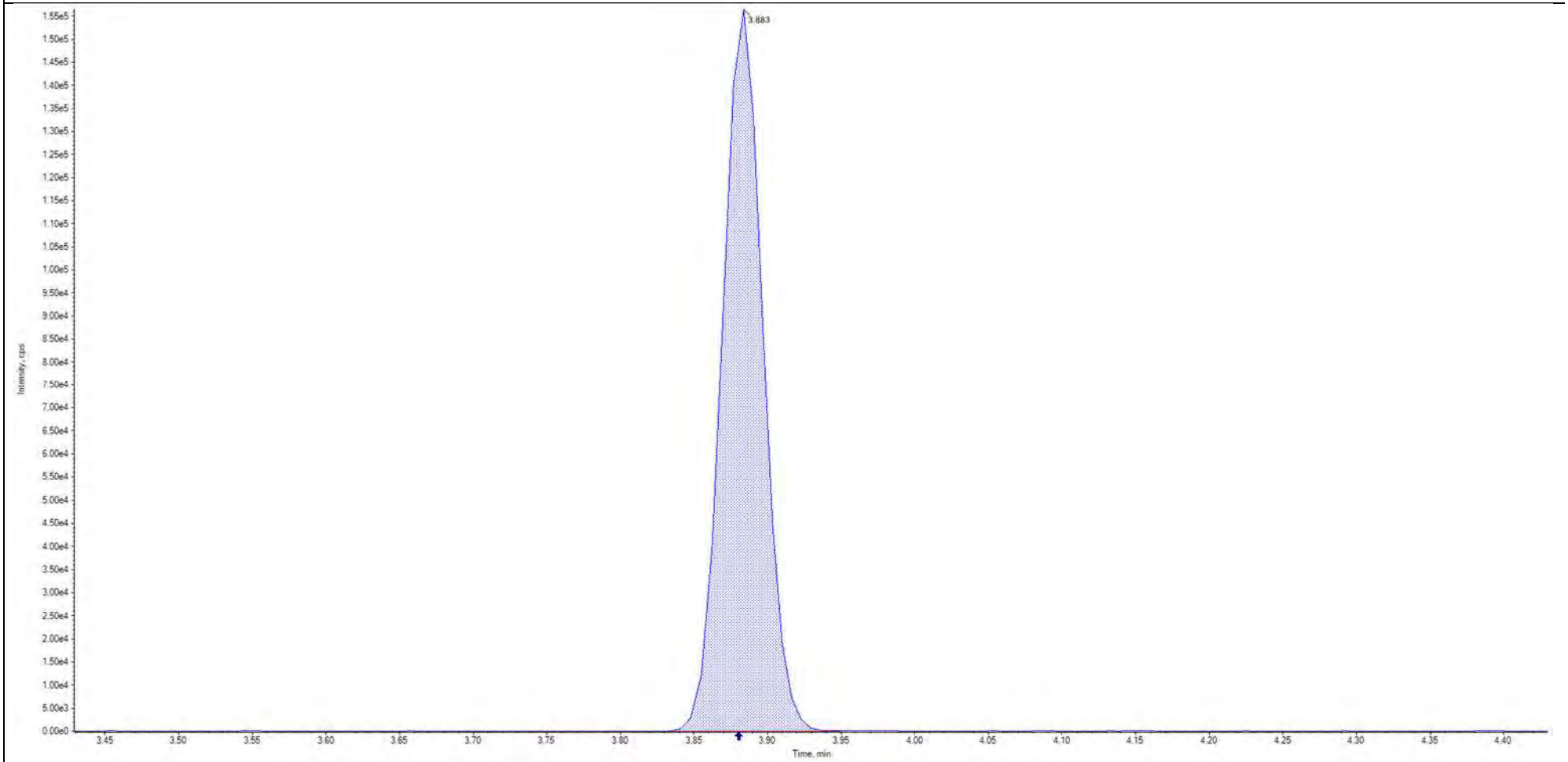
13C2-PFDA
Sample: L2467934-10



18O2-PFHxS
Sample: L2467934-10



13C4-PFOS
Sample: L2467934-10



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_29.wiff2_14
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

Semivolatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Instrument ID	: LCMS09	Ical Ref	: ICAL21696
Calibration dates	: 11/12/24 13:47 11/12/24 14:58		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

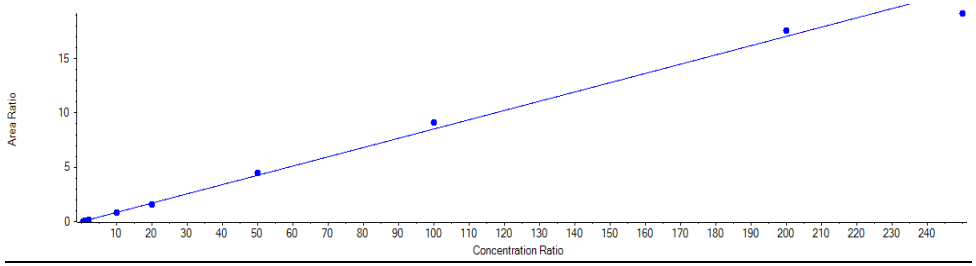
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: PFBA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	0.54	1517000	53618	0.415	103.7	0.884	135	True	1.61
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	0.55	1701000	118095	0.814	101.8	0.868	267	True	1.59
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	0.56	1582000	261217	1.937	96.9	0.826	555	True	1.17
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	0.56	1616000	1378296	10.002	100.0	0.853	1302	True	1.62
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	0.55	1504000	2378762	18.553	92.8	0.791	1506	True	1.53
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	0.55	1449000	6514793	52.724	105.5	0.899	3029	True	1.67
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	0.55	1297000	11790802	106.585	106.6	0.909	4796	True	1.68
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	0.56	1190000	20911351	206.044	103.0	0.878	5384	True	1.67
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	0.55	1240000	23752764	224.707	89.9	0.766	6231	True	1.68

Analyte Name: PFBA
Regression Equation: Y = 0.853 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.005 Avg. RF = 0.853 RSD = 5.738 RSE = 5.738
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Instrument ID	: LCMS09	Ical Ref	: ICAL21696
Calibration dates	: 11/12/24 13:47 11/12/24 14:58		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

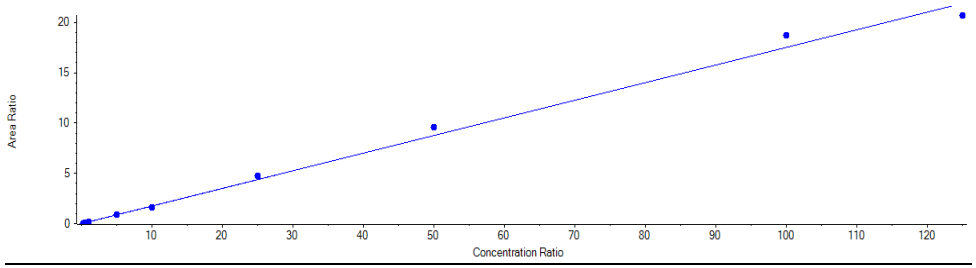
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: PFPeA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	1.07	637800	21381	0.191	95.7	0.838	233	True	1.06
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	1.08	730900	48508	0.379	94.7	0.830	581	True	1.23
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	1.09	670500	114192	0.972	97.2	0.852	1241	True	1.03
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	1.08	683300	599628	5.008	100.2	0.878	3052	True	1.01
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	1.08	637300	1033269	9.252	92.5	0.811	4495	True	1.15
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	1.08	627000	2995329	27.262	109.1	0.955	5975	True	1.57
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	1.07	585700	5618159	54.738	109.5	0.959	8838	True	1.29
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	1.09	562100	10516986	106.772	106.8	0.936	17306	True	1.44
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	1.07	583200	12071322	118.116	94.5	0.828	12498	True	1.27

Analyte Name: PFPeA
Regression Equation: Y = 0.876 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.012 Avg. RF = 0.876 RSD = 6.697 RSE = 6.697
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Instrument ID	: LCMS09	Ical Ref	: ICAL21696
Calibration dates	: 11/12/24 13:47 11/12/24 14:58		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

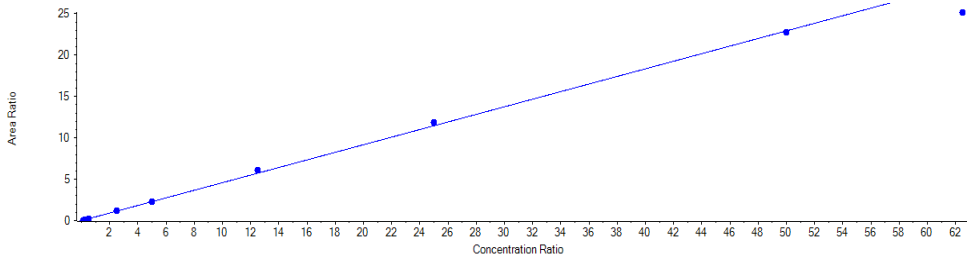
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: PFHxA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	1.81	337300	14817	0.096	95.8	1.098	207	True	0.91
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	1.82	371400	36106	0.212	106.0	1.215	518	True	1.22
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	1.83	363500	80502	0.483	96.6	1.107	1085	True	1.30
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	1.83	352100	429984	2.663	106.5	1.221	5382	True	1.16
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	1.82	319000	722013	4.936	98.7	1.132	3939	True	1.17
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	1.82	324300	1964194	13.205	105.6	1.211	10204	True	1.32
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	1.81	316400	3768217	25.968	103.9	1.191	13139	True	0.96
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	1.83	310000	7047845	49.570	99.1	1.137	11602	True	1.08
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	1.81	320000	8048777	54.852	87.8	1.006	15973	True	0.99

Analyte Name: PFHxA
Regression Equation: Y = 1.146 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.028 Avg. RF = 1.146 RSD = 6.191 RSE = 6.191
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Instrument ID	: LCMS09	Ical Ref	: ICAL21696
Calibration dates	: 11/12/24 13:47 11/12/24 14:58		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

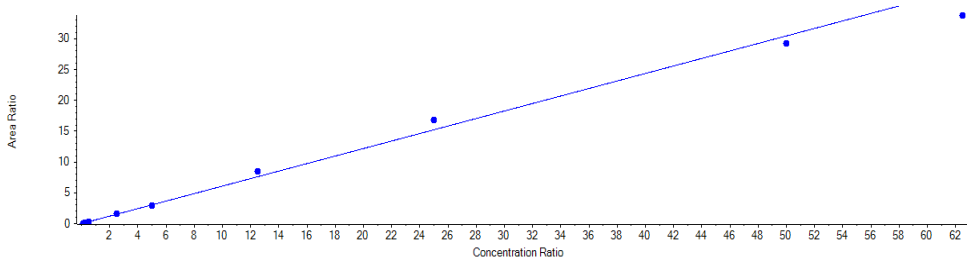
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: PFHpA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	2.39	265300	13787	0.085	85.4	1.299	171	True	1.07
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	2.39	294200	38680	0.216	108.0	1.643	475	True	0.98
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	2.40	286000	89346	0.513	102.6	1.562	1064	True	1.33
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	2.40	307400	473251	2.528	101.1	1.540	4340	True	1.17
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	2.39	267900	791184	4.849	97.0	1.476	7771	True	1.42
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	2.40	280100	2357143	13.818	110.5	1.683	14158	True	1.15
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	2.39	261500	4413152	27.712	110.9	1.687	19200	True	1.09
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	2.41	281000	8200726	47.931	95.9	1.459	25045	True	1.39
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	2.39	268800	9077105	55.448	88.7	1.351	26810	True	1.02

Analyte Name: PFHpA
Regression Equation: Y = 1.522 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.056 Avg. RF = 1.522 RSD = 9.139 RSE = 9.139
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Instrument ID	: LCMS09	Ical Ref	: ICAL21696
Calibration dates	: 11/12/24 13:47 11/12/24 14:58		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

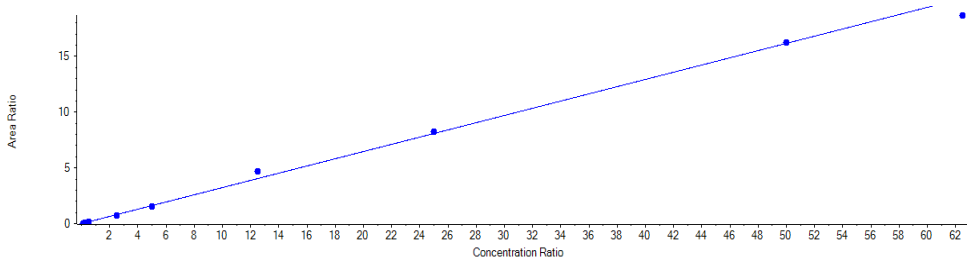
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: PFOA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	2.87	577300	18961	0.102	101.6	0.821	95	True	0.14
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	2.89	597600	41050	0.212	106.2	0.859	157	True	0.15
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	2.89	580900	92553	0.493	98.6	0.797	311	True	0.15
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	2.89	628600	457773	2.253	90.1	0.728	627	True	0.18
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	2.88	562400	843703	4.640	92.8	0.750	724	True	0.17
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	2.89	514000	2410473	14.505	116.0	0.938	818	True	0.17
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	2.88	555000	4563961	25.435	101.7	0.822	1057	True	0.18
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	2.90	532400	8652103	50.271	100.5	0.813	958	True	0.15
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	2.88	525200	9804164	57.742	92.4	0.747	1022	True	0.16

Analyte Name: PFOA
Regression Equation: Y = 0.808 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.026 Avg. RF = 0.808 RSD = 8.000 RSE = 8.000
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Instrument ID	: LCMS09	Ical Ref	: ICAL21696
Calibration dates	: 11/12/24 13:47 11/12/24 14:58		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

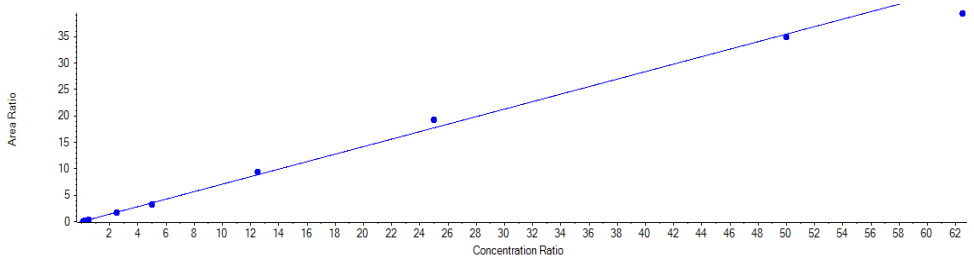
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: PFNA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	3.32	255600	19063	0.105	105.1	0.932	99	True	0.21
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	3.33	282700	40908	0.204	102.0	0.904	221	True	0.22
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	3.33	249700	89768	0.507	101.3	0.899	309	True	0.21
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	3.33	277700	493158	2.503	100.1	0.888	738	True	0.20
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	3.33	268400	854304	4.487	89.7	0.796	792	True	0.19
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	3.33	257900	2421412	13.233	105.9	0.939	1106	True	0.23
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	3.33	234000	4502915	27.129	108.5	0.962	1061	True	0.20
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	3.34	232500	8122745	49.253	98.5	0.874	1054	True	0.23
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	3.32	246400	9704511	55.510	88.8	0.788	1182	True	0.24

Analyte Name: PFNA
Regression Equation: Y = 0.887 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.048 Avg. RF = 0.887 RSD = 6.815 RSE = 6.815
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Instrument ID	: LCMS09	Ical Ref	: ICAL21696
Calibration dates	: 11/12/24 13:47 11/12/24 14:58		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

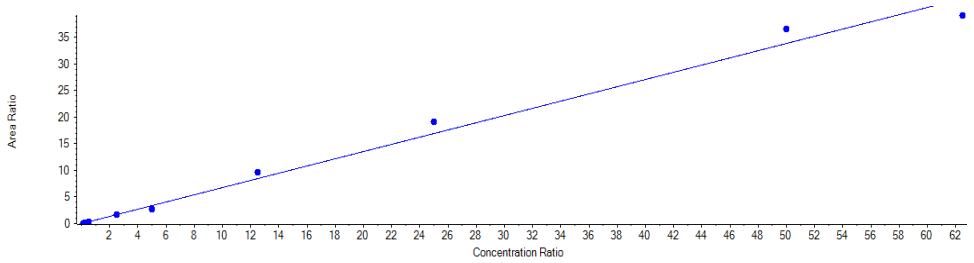
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: PFDA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	3.75	280800	19381	0.102	101.9	0.863	203	True	0.91
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	3.75	309900	40103	0.191	95.5	0.809	420	True	1.10
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	3.76	302700	99688	0.486	97.2	0.823	1025	True	0.94
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	3.76	302600	498205	2.430	97.2	0.823	5044	True	0.86
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	3.75	280300	773161	4.071	81.4	0.690	6936	True	1.21
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	3.75	274500	2642505	14.207	113.7	0.963	12247	True	1.00
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	3.75	253700	4851208	28.219	112.9	0.956	32212	True	1.30
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	3.76	236000	8619712	53.909	107.8	0.913	25821	True	1.15
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	3.75	257200	10067605	57.774	92.4	0.783	21974	True	1.06

Analyte Name: PFDA
Regression Equation: Y = 0.847 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.070 Avg. RF = 0.847 RSD = 10.336 RSE = 10.336
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Instrument ID	: LCMS09	Ical Ref	: ICAL21696
Calibration dates	: 11/12/24 13:47 11/12/24 14:58		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

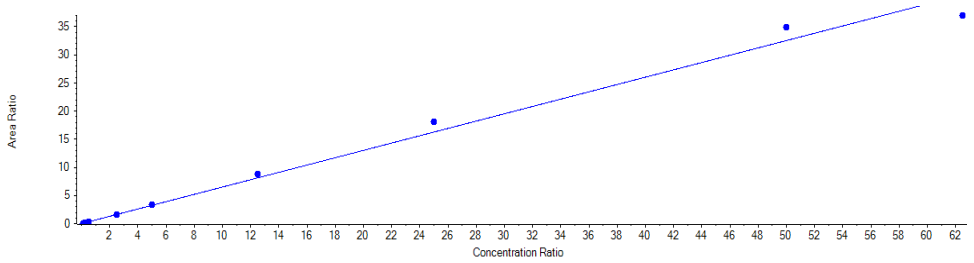
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: PFUnA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	4.15	327700	18116	0.085	85.0	0.691	211	True	1.44
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	4.16	370000	45899	0.191	95.3	0.775	544	True	0.93
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	4.16	347600	110938	0.490	98.1	0.798	1355	True	1.06
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	4.16	341900	571476	2.568	102.7	0.836	6694	True	1.31
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	4.15	302900	997850	5.062	101.2	0.824	8823	True	1.07
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	4.15	304600	2676399	13.499	108.0	0.879	23278	True	1.15
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	4.15	275900	5009931	27.897	111.6	0.908	15909	True	0.91
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	4.16	249300	8692073	53.579	107.2	0.872	38473	True	1.24
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	4.15	258400	9559178	56.850	91.0	0.740	26449	True	1.06

Analyte Name: PFUnA
Regression Equation: Y = 0.814 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.056 Avg. RF = 0.814 RSD = 8.606 RSE = 8.606
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Instrument ID	: LCMS09	Ical Ref	: ICAL21696
Calibration dates	: 11/12/24 13:47 11/12/24 14:58		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

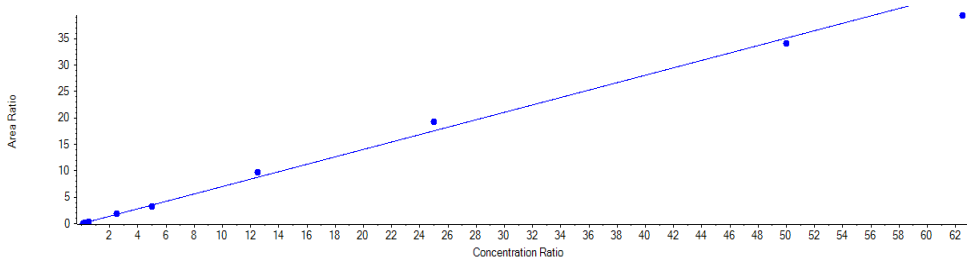
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: PFDoA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	4.55	336500	24061	0.102	101.8	0.894	386	True	1.01
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	4.55	381200	51636	0.193	96.4	0.847	786	True	1.00
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	4.56	350600	117653	0.478	95.5	0.839	1743	True	0.83
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	4.55	341600	638354	2.660	106.4	0.934	6214	True	1.00
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	4.54	328500	1078295	4.673	93.5	0.821	11473	True	1.12
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	4.54	327700	3162839	13.738	109.9	0.965	19389	True	1.04
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	4.54	300900	5794870	27.414	109.7	0.963	18715	True	0.96
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	4.55	294300	10040339	48.559	97.1	0.853	21722	True	1.27
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	4.54	300100	11827952	56.103	89.8	0.788	25796	True	1.00

Analyte Name: PFDoA
Regression Equation: Y = 0.878 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.051 Avg. RF = 0.878 RSD = 7.281 RSE = 7.281
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Instrument ID	: LCMS09	Ical Ref	: ICAL21696
Calibration dates	: 11/12/24 13:47 11/12/24 14:58		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

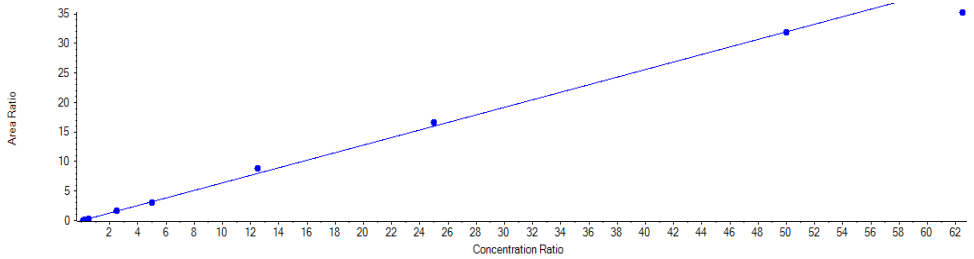
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: PFTrDA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	4.93	336500	20931	0.097	97.3	0.778	426	True	1.01
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	4.93	381200	50459	0.207	103.5	0.827	1003	True	1.03
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	4.94	350600	114629	0.511	102.2	0.817	2353	True	1.24
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	4.93	341600	555304	2.541	101.7	0.813	6281	True	0.86
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	4.92	328500	981099	4.670	93.4	0.747	6316	True	1.11
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	4.92	327700	2889335	13.785	110.3	0.882	19783	True	1.04
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	4.92	300900	4999404	25.978	103.9	0.831	8987	True	0.97
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	4.93	294300	9372832	49.793	99.6	0.796	14159	True	1.09
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	4.91	300100	10580089	55.124	88.2	0.705	14210	True	0.97

Analyte Name: PFTrDA
Regression Equation: Y = 0.799 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.041 Avg. RF = 0.799 RSD = 6.437 RSE = 6.437
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Instrument ID	: LCMS09	Ical Ref	: ICAL21696
Calibration dates	: 11/12/24 13:47 11/12/24 14:58		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

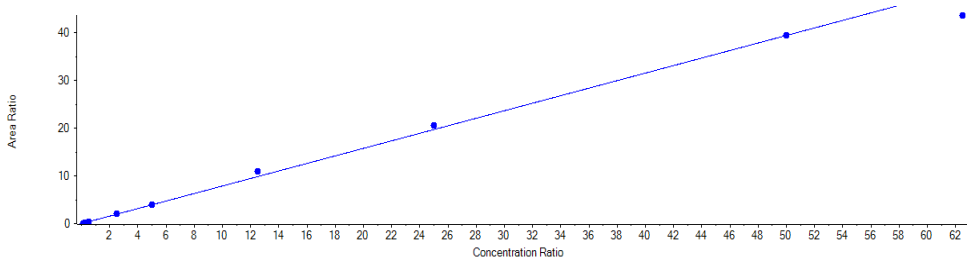
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: PFTeDA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	5.29	244500	18994	0.098	98.4	0.971	604	True	1.26
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	5.29	279500	43540	0.197	98.6	0.973	1043	True	1.28
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	5.30	262400	102060	0.492	98.5	0.972	1451	True	1.44
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	5.29	269600	546758	2.568	102.7	1.014	2752	True	1.14
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	5.28	232100	900369	4.911	98.2	0.970	4669	True	1.34
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	5.28	233900	2559704	13.857	110.9	1.094	7976	True	1.27
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	5.28	228000	4688221	26.033	104.1	1.028	12414	True	1.27
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	5.29	221100	8741427	50.062	100.1	0.988	16570	True	0.91
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	5.28	227600	9942284	55.310	88.5	0.874	13849	True	1.32

Analyte Name: PFTeDA
Regression Equation: Y = 0.987 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.047 Avg. RF = 0.987 RSD = 5.966 RSE = 5.966
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Instrument ID	: LCMS09	Ical Ref	: ICAL21696
Calibration dates	: 11/12/24 13:47 11/12/24 14:58		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

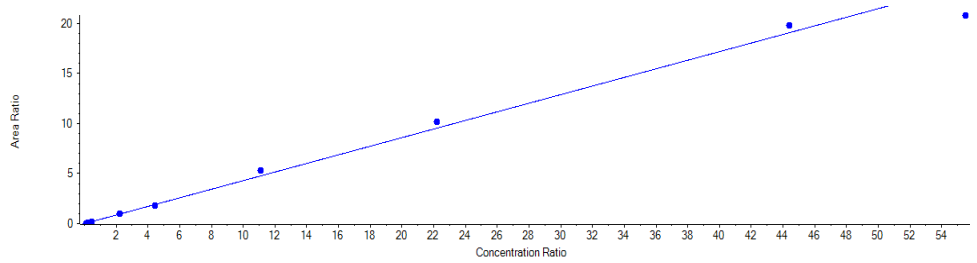
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: PFBS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	1.80	369100	14094	0.089	99.8	1.000	85	True	1.19
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	1.81	423600	31649	0.174	97.7	0.978	142	True	1.20
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	1.82	361300	66798	0.430	96.9	0.970	339	True	0.94
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	1.82	356500	338862	2.212	99.6	0.998	1157	True	1.25
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	1.81	335900	619902	4.294	96.7	0.968	1317	True	1.31
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	1.81	336400	1788641	12.371	111.5	1.116	2476	True	0.99
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	1.80	321000	3264569	23.665	106.6	1.067	3772	True	1.10
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	1.82	305600	6061404	46.159	104.0	1.041	3527	True	1.24
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	1.80	319900	6654256	48.410	87.2	0.873	6066	True	1.13

Analyte Name: PFBS
Regression Equation: Y = 1.001 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.030 Avg. RF = 1.001 RSD = 6.888 RSE = 6.888
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Instrument ID	: LCMS09	Ical Ref	: ICAL21696
Calibration dates	: 11/12/24 13:47 11/12/24 14:58		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

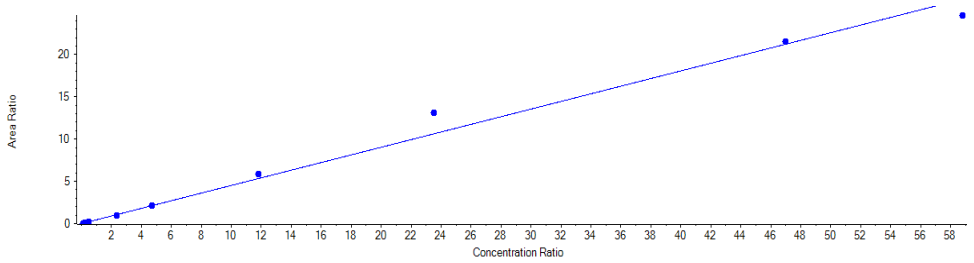
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: PFPeS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	2.44	313300	12490	0.088	93.9	1.005	142	True	0.87
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	2.44	351000	26547	0.167	89.1	0.953	296	True	1.40
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	2.46	324400	65391	0.446	94.9	1.016	743	True	1.01
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	2.45	342900	345119	2.228	94.8	1.015	3846	True	0.98
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	2.45	311600	655699	4.659	99.1	1.061	7494	True	0.94
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	2.45	311700	1839360	13.065	110.7	1.185	20615	True	1.08
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	2.44	273400	3582380	29.008	123.4	1.322	38489	True	1.13
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	2.46	294600	6337879	47.627	101.3	1.085	7096	True	1.03
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	2.44	298400	7348870	54.513	92.7	0.993	30520	True	1.04

Analyte Name: PFPeS
Regression Equation: Y = 1.071 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.049 Avg. RF = 1.071 RSD = 10.781 RSE = 10.781
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Instrument ID	: LCMS09	Ical Ref	: ICAL21696
Calibration dates	: 11/12/24 13:47 11/12/24 14:58		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

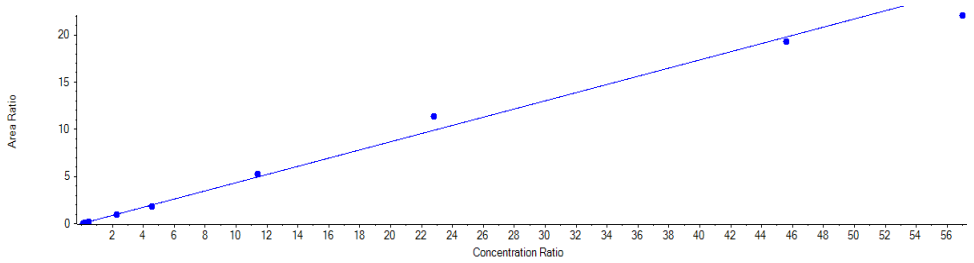
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: PFHxS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	2.97	313300	14601	0.107	118.1	1.214	71	True	0.15
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	2.98	351000	28240	0.185	101.9	1.048	148	True	0.20
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	2.99	324400	57241	0.407	89.2	0.917	252	True	0.22
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	2.98	342900	313557	2.107	92.4	0.950	578	True	0.23
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	2.98	311600	559432	4.138	90.8	0.933	741	True	0.21
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	2.98	311700	1636662	12.104	106.2	1.092	1197	True	0.21
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	2.98	273400	3099575	26.131	114.6	1.179	1134	True	0.22
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	2.99	294600	5694854	44.556	97.7	1.005	1178	True	0.21
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	2.97	298400	6584297	50.852	89.2	0.917	1206	True	0.20

Analyte Name: PFHxS
Regression Equation: Y = 1.028 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.048 Avg. RF = 1.028 RSD = 10.969 RSE = 10.969
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Instrument ID	: LCMS09	Ical Ref	: ICAL21696
Calibration dates	: 11/12/24 13:47 11/12/24 14:58		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

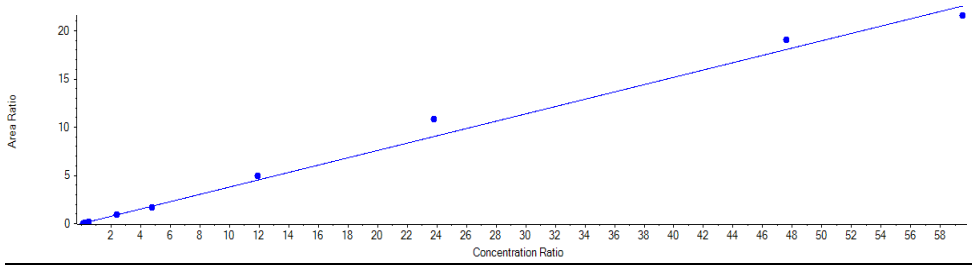
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: PFHpS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	3.45	355800	11214	0.083	87.4	0.796	119	True	1.01
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	3.45	407000	30709	0.199	104.6	0.953	310	True	0.93
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	3.46	383500	60055	0.413	86.7	0.790	684	True	0.82
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	3.46	383900	344376	2.363	99.3	0.905	3837	True	1.16
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	3.45	386500	635275	4.330	91.0	0.829	6922	True	1.06
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	3.45	356300	1770809	13.092	110.0	1.002	10923	True	0.99
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	3.45	322900	3495455	28.515	119.8	1.091	26033	True	1.15
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	3.46	326200	6223934	50.260	105.6	0.962	51117	True	1.34
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	3.45	342100	7388763	56.902	95.6	0.871	76624	True	1.05

Analyte Name: PFHpS
Regression Equation: Y = 0.911 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.042 Avg. RF = 0.911 RSD = 11.085 RSE = 11.085
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Instrument ID	: LCMS09	Ical Ref	: ICAL21696
Calibration dates	: 11/12/24 13:47 11/12/24 14:58		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

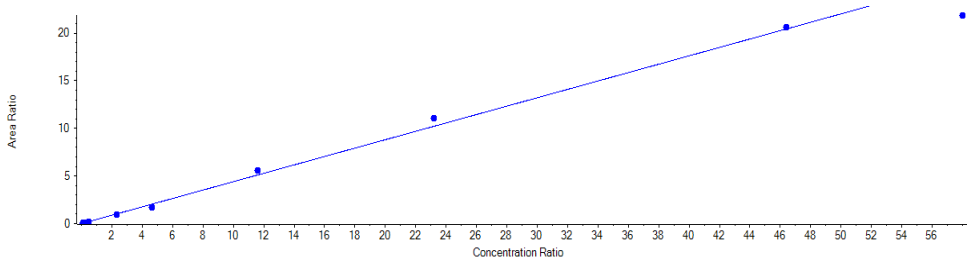
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: PFOS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	3.89	355800	18696	0.119	128.3	1.356	61	True	0.16
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	3.89	407000	33013	0.184	99.0	1.047	104	True	0.18
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	3.89	383500	69507	0.412	88.7	0.937	168	True	0.13
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	3.89	383900	380096	2.249	96.9	1.024	442	True	0.17
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	3.89	386500	659432	3.874	83.5	0.882	405	True	0.16
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	3.89	356300	1975645	12.591	108.5	1.147	601	True	0.13
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	3.89	322900	3576366	25.148	108.4	1.146	568	True	0.16
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	3.90	326200	6737456	46.898	101.1	1.068	537	True	0.15
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	3.88	342100	7473829	49.613	85.5	0.904	513	True	0.14

Analyte Name: PFOS
Regression Equation: Y = 1.057 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.062 Avg. RF = 1.057 RSD = 13.991 RSE = 13.991
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Instrument ID	: LCMS09	Ical Ref	: ICAL21696
Calibration dates	: 11/12/24 13:47 11/12/24 14:58		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

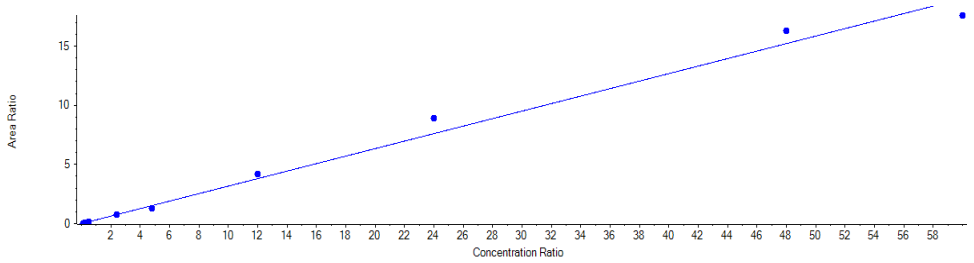
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: PFNS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	4.30	355800	9726	0.086	89.9	0.683	137	True	0.81
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	4.31	407000	24235	0.188	97.9	0.744	328	True	0.86
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	4.31	383500	57392	0.472	98.4	0.748	799	True	1.13
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	4.31	383900	294308	2.419	100.8	0.767	4099	True	0.96
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	4.30	386500	505040	4.123	85.9	0.653	6578	True	1.18
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	4.30	356300	1503450	13.314	111.0	0.844	19003	True	1.22
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	4.30	322900	2868988	28.032	116.8	0.888	38285	True	1.10
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	4.31	326200	5309786	51.357	107.0	0.814	70077	True	0.98
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	4.30	342100	6016389	55.494	92.5	0.703	7634	True	0.85

Analyte Name: PFNS
Regression Equation: Y = 0.761 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.032 Avg. RF = 0.761 RSD = 10.109 RSE = 10.109
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Instrument ID	: LCMS09	Ical Ref	: ICAL21696
Calibration dates	: 11/12/24 13:47 11/12/24 14:58		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

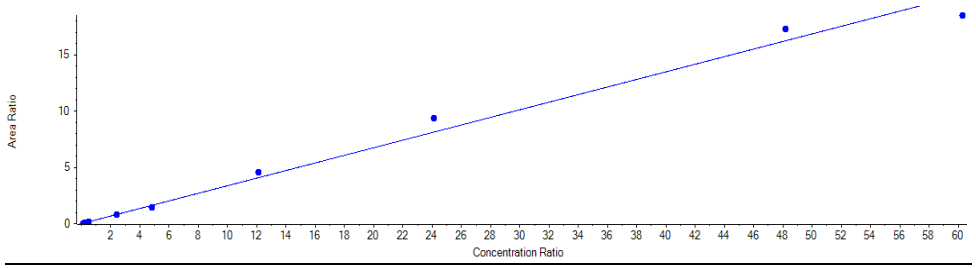
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: PFDS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	4.70	355800	11815	0.099	102.7	0.830	221	True	1.23
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	4.70	407000	24133	0.176	91.2	0.737	456	True	1.09
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	4.71	383500	58087	0.450	93.3	0.754	1109	True	1.06
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	4.70	383900	309310	2.392	99.2	0.802	5904	True	1.28
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	4.69	386500	554867	4.260	88.4	0.715	10094	True	1.25
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	4.69	356300	1631743	13.591	112.3	0.908	28720	True	1.20
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	4.69	322900	3029078	27.838	115.5	0.934	25700	True	1.08
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	4.70	326200	5640768	51.317	106.5	0.861	44767	True	1.08
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	4.69	342100	6322821	54.856	91.0	0.736	27685	True	1.09

Analyte Name: PFDS
Regression Equation: Y = 0.809 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.033 Avg. RF = 0.809 RSD = 9.884 RSE = 9.884
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Instrument ID	: LCMS09	Ical Ref	: ICAL21696
Calibration dates	: 11/12/24 13:47 11/12/24 14:58		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

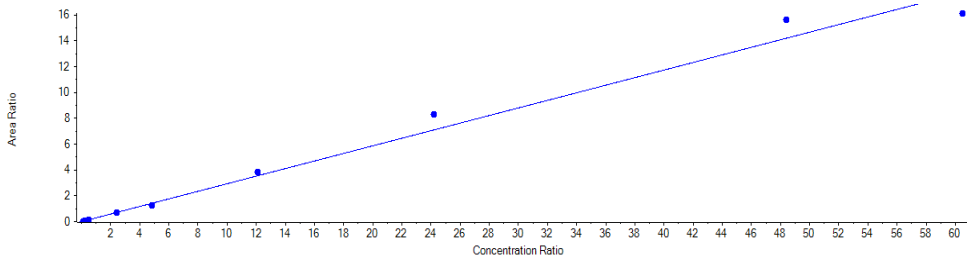
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: PFDoS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	5.43	355800	9317	0.089	92.1	0.648	339	True	1.23
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	5.44	407000	22725	0.190	98.2	0.691	887	True	1.26
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	5.44	383500	53603	0.477	98.5	0.693	1391	True	1.58
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	5.44	383900	264585	2.351	97.1	0.684	5482	True	1.13
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	5.43	386500	483168	4.263	88.1	0.620	5019	True	0.97
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	5.43	356300	1369210	13.105	108.3	0.762	5466	True	0.92
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	5.43	322900	2676910	28.271	116.8	0.822	8800	True	0.96
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	5.44	326200	5099348	53.310	110.1	0.775	11237	True	1.08
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	5.43	342100	5509469	54.928	90.8	0.639	11025	True	1.08

Analyte Name: PFDoS
Regression Equation: Y = 0.704 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.029 Avg. RF = 0.704 RSD = 9.737 RSE = 9.737
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Instrument ID	: LCMS09	Ical Ref	: ICAL21696
Calibration dates	: 11/12/24 13:47 11/12/24 14:58		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

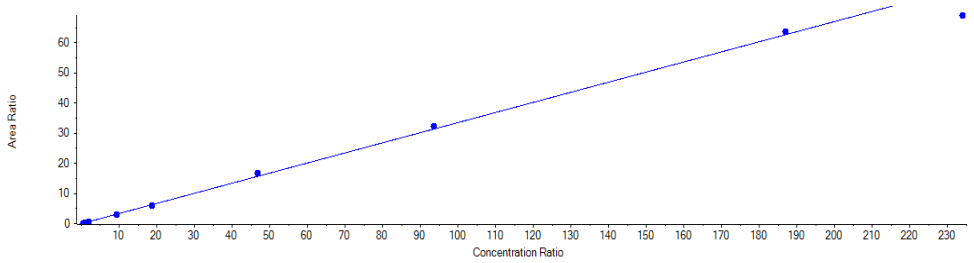
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: 4:2FTS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	1.60	91510	12772	0.416	111.1	1.746	279	True	1.08
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	1.61	108300	28743	0.792	105.6	1.660	605	True	1.38
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	1.63	97850	57923	1.766	94.5	1.485	1170	True	1.25
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	1.62	101700	303991	8.915	95.1	1.495	6149	True	0.99
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	1.62	95370	563434	17.628	94.3	1.482	8159	True	1.00
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	1.62	95430	1601666	50.084	106.8	1.678	10521	True	1.19
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	1.61	93560	3026176	96.519	103.0	1.619	13212	True	0.99
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	1.63	91820	5848933	190.074	101.6	1.598	14697	True	1.03
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	1.61	99800	6889631	206.001	88.0	1.384	16096	True	1.08

Analyte Name: 4:2FTS
Regression Equation: Y = 1.572 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.025 Avg. RF = 1.572 RSD = 7.431 RSE = 7.431
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Instrument ID	: LCMS09	Ical Ref	: ICAL21696
Calibration dates	: 11/12/24 13:47 11/12/24 14:58		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

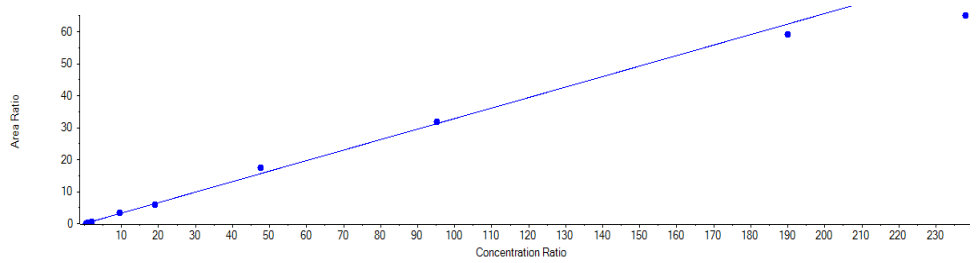
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: 6:2FTS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	2.69	79970	9318	0.355	93.4	1.459	104	True	1.57
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	2.70	92210	25492	0.842	110.6	1.729	311	True	0.99
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	2.71	85590	53281	1.895	99.8	1.560	633	True	1.37
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	2.71	83550	280775	10.231	107.6	1.682	3225	True	0.95
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	2.70	84900	511439	18.339	96.5	1.509	5357	True	1.27
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	2.70	84820	1487213	53.380	112.1	1.753	7091	True	1.23
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	2.70	87130	2780145	97.145	102.2	1.597	8773	True	1.27
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	2.72	90150	5325274	179.850	94.7	1.480	8915	True	1.20
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	2.70	96740	6295423	198.128	83.3	1.302	7273	True	1.02

Analyte Name: 6:2FTS
Regression Equation: Y = 1.563 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.030 Avg. RF = 1.563 RSD = 9.270 RSE = 9.270
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Instrument ID	: LCMS09	Ical Ref	: ICAL21696
Calibration dates	: 11/12/24 13:47 11/12/24 14:58		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

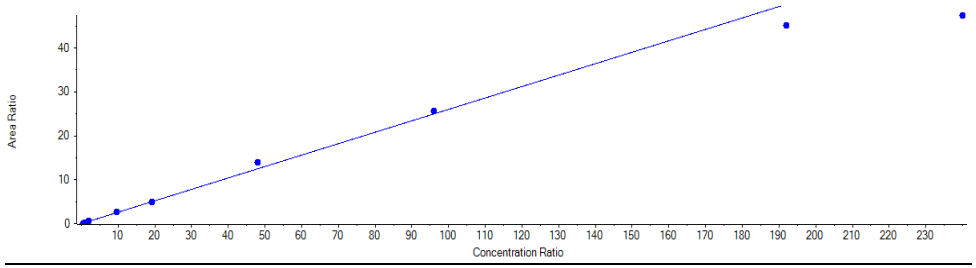
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: 8:2FTS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	3.56	98270	9931	0.388	101.1	1.263	113	True	1.15
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	3.57	107700	22071	0.787	102.5	1.280	253	True	0.97
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	3.57	101900	57007	2.150	112.0	1.399	683	True	1.20
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	3.57	103900	273223	10.105	105.3	1.315	3275	True	1.19
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	3.56	98400	484876	18.937	98.6	1.232	5589	True	0.94
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	3.57	99950	1393143	53.561	111.6	1.394	9592	True	1.47
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	3.57	103700	2658057	98.486	102.6	1.281	11024	True	1.03
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	3.58	108100	4884884	173.583	90.4	1.129	8286	True	1.26
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	3.56	117500	5569172	182.167	75.9	0.948	8138	True	1.28

Analyte Name: 8:2FTS
Regression Equation: Y = 1.249 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.029 Avg. RF = 1.249 RSD = 11.149 RSE = 11.149
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Instrument ID	: LCMS09	Ical Ref	: ICAL21696
Calibration dates	: 11/12/24 13:47 11/12/24 14:58		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

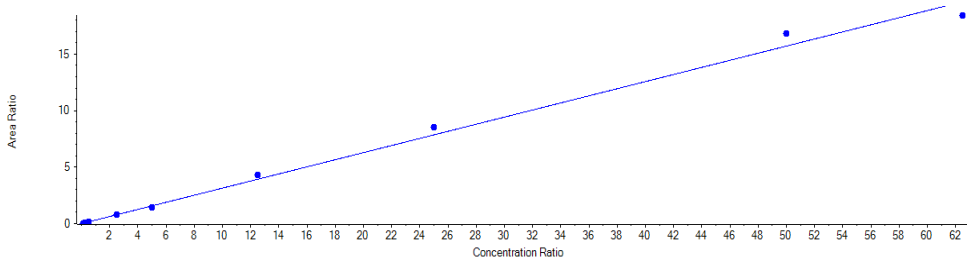
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: PFOSA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	5.17	650100	20091	0.098	98.3	0.773	271	True	0.17
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	5.18	719000	42965	0.190	95.1	0.747	279	True	0.17
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	5.18	663500	100870	0.484	96.7	0.760	358	True	0.15
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	5.18	666500	517556	2.470	98.8	0.777	360	True	0.18
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	5.17	636000	925689	4.630	92.6	0.728	394	True	0.16
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	5.17	626500	2691685	13.668	109.4	0.859	378	True	0.17
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	5.17	606300	5159862	27.073	108.3	0.851	372	True	0.17
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	5.18	584700	9835268	53.516	107.0	0.841	388	True	0.18
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	5.17	623300	11485225	58.623	93.8	0.737	385	True	0.19

Analyte Name: PFOSA
Regression Equation: Y = 0.786 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.020 Avg. RF = 0.786 RSD = 6.501 RSE = 6.501
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Instrument ID	: LCMS09	Ical Ref	: ICAL21696
Calibration dates	: 11/12/24 13:47 11/12/24 14:58		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

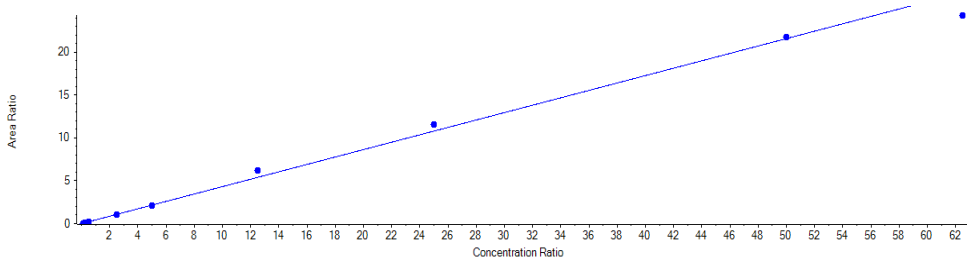
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: NMeFOSA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	5.92	106200	4102	0.090	89.5	0.966	78	True	0.24
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	5.92	116300	9783	0.195	97.5	1.052	176	True	0.20
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	5.93	103000	22369	0.503	100.7	1.086	225	True	0.19
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	5.93	109100	118733	2.522	100.9	1.088	340	True	0.19
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	5.92	98470	207638	4.886	97.7	1.054	347	True	0.17
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	5.92	100500	625203	14.414	115.3	1.244	339	True	0.18
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	5.92	101300	1172991	26.844	107.4	1.158	336	True	0.18
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	5.93	103300	2251333	50.523	101.1	1.090	374	True	0.15
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	5.92	106100	2575445	56.249	90.0	0.971	355	True	0.17

Analyte Name: NMeFOSA
Regression Equation: Y = 1.079 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.035 Avg. RF = 1.079 RSD = 8.006 RSE = 8.006
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Instrument ID	: LCMS09	Ical Ref	: ICAL21696
Calibration dates	: 11/12/24 13:47 11/12/24 14:58		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

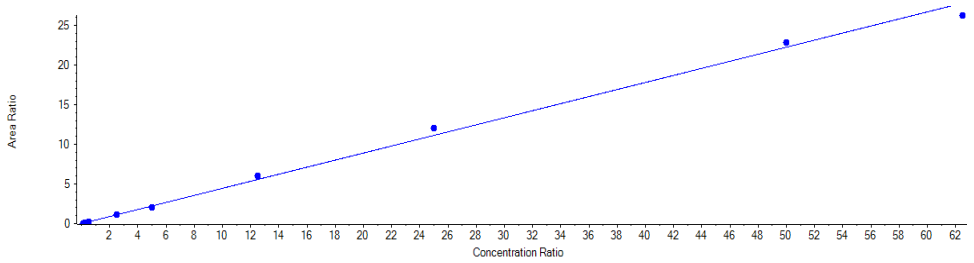
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: NEtFOSA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	6.21	92430	4280	0.104	104.0	1.158	130	True	0.17
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	6.21	103300	8244	0.179	89.7	0.998	199	True	0.15
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	6.22	93960	20910	0.500	100.0	1.113	284	True	0.16
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	6.22	99800	109697	2.469	98.8	1.099	626	True	0.15
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	6.21	92470	193950	4.712	94.2	1.049	746	True	0.17
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	6.21	95540	572751	13.468	107.7	1.199	673	True	0.19
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	6.21	91000	1099805	27.151	108.6	1.209	724	True	0.18
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	6.22	93270	2129088	51.283	102.6	1.141	689	True	0.16
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	6.21	95340	2503142	58.983	94.4	1.050	751	True	0.18

Analyte Name: NEtFOSA
Regression Equation: Y = 1.113 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.029 Avg. RF = 1.113 RSD = 6.418 RSE = 6.418
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Instrument ID	: LCMS09	Ical Ref	: ICAL21696
Calibration dates	: 11/12/24 13:47 11/12/24 14:58		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

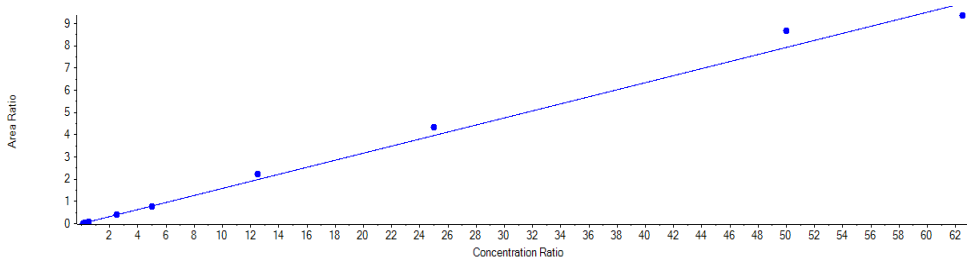
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: NMeFOSAA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	3.88	133400	1754	0.083	82.9	0.657	17	True	1.21
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	3.89	142100	4115	0.183	91.3	0.724	37	True	1.23
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	3.89	134900	10473	0.489	97.8	0.776	74	True	0.31
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	3.89	137700	56172	2.572	102.9	0.816	467	True	0.22
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	3.88	130200	102579	4.968	99.4	0.788	722	True	0.27
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	3.88	127000	283701	14.077	112.6	0.893	728	True	0.25
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	3.88	125500	544909	27.362	109.5	0.868	798	True	0.28
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	3.89	116300	1007846	54.624	109.3	0.867	715	True	0.27
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	3.88	128400	1203037	59.071	94.5	0.750	688	True	0.25

Analyte Name: NMeFOSAA
Regression Equation: Y = 0.793 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.015 Avg. RF = 0.793 RSD = 9.668 RSE = 9.668
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Instrument ID	: LCMS09	Ical Ref	: ICAL21696
Calibration dates	: 11/12/24 13:47 11/12/24 14:58		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

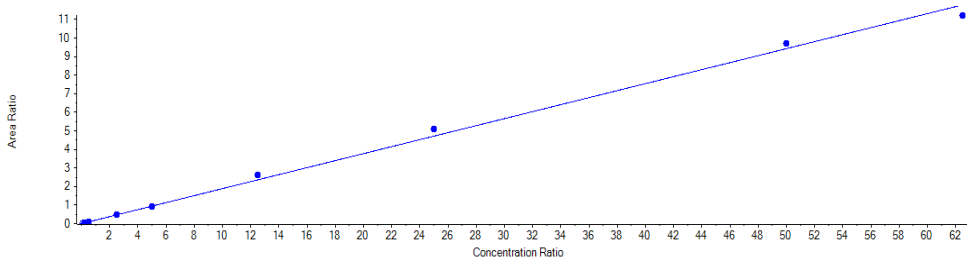
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: NEtFOSAA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	4.10	133000	1410	0.056	56.2	0.530	13	False	0.16
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	4.10	141200	4438	0.167	83.3	0.786	48	True	0.30
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	4.11	131000	12232	0.495	99.0	0.934	110	True	0.27
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	4.11	136600	64995	2.522	100.9	0.951	634	True	0.97
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	4.10	122700	114489	4.948	99.0	0.933	774	True	1.39
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	4.10	127300	334929	13.949	111.6	1.052	796	True	0.97
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	4.10	122100	621379	26.984	107.9	1.018	838	True	1.37
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	4.11	120100	1167719	51.561	103.1	0.972	712	True	1.09
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	4.09	123900	1389480	59.477	95.2	0.897	783	True	1.06

Analyte Name: NEtFOSAA
Regression Equation: Y = 0.943 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.016 Avg. RF = 0.943 RSD = 8.550 RSE = 8.550
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Instrument ID	: LCMS09	Ical Ref	: ICAL21696
Calibration dates	: 11/12/24 13:47 11/12/24 14:58		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

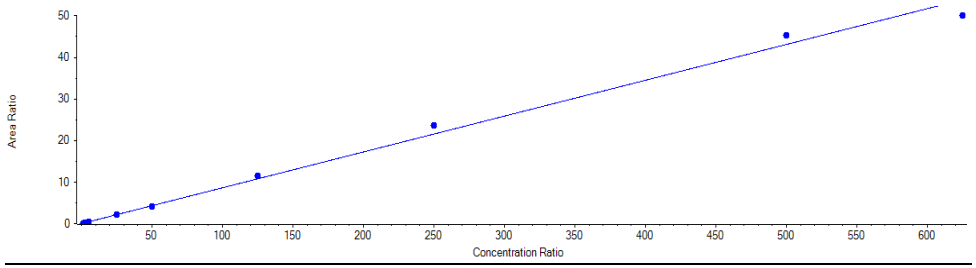
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: NMeFOSE

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	5.78	676600	56274	0.964	96.5	2.079	98	True	0.18
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	5.79	762700	125781	1.913	95.6	2.061	145	True	0.15
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	5.79	722400	301172	4.835	96.7	2.084	194	True	0.18
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	5.79	725000	1592600	25.476	101.9	2.197	238	True	0.18
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	5.78	657000	2668014	47.095	94.2	2.030	245	True	0.18
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	5.78	674800	7816980	134.346	107.5	2.317	249	True	0.19
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	5.78	630500	14889079	273.875	109.6	2.362	254	True	0.18
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	5.79	618800	28059218	525.890	105.2	2.267	236	True	0.19
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	5.78	656600	32888361	580.842	92.9	2.003	215	True	0.18

Analyte Name: NMeFOSE
Regression Equation: Y = 2.156 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.005 Avg. RF = 2.156 RSD = 6.164 RSE = 6.164
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Instrument ID	: LCMS09	Ical Ref	: ICAL21696
Calibration dates	: 11/12/24 13:47 11/12/24 14:58		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

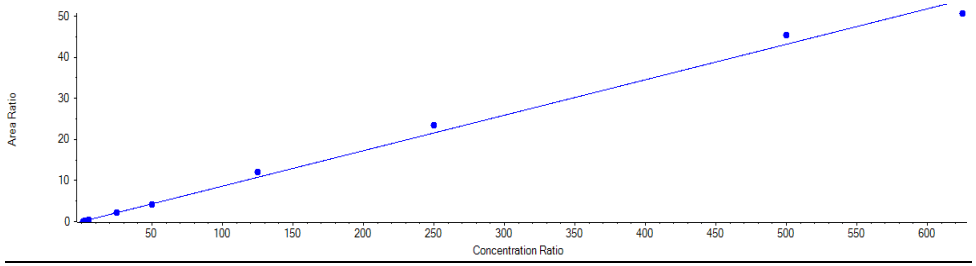
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: NEtFOSE

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	6.08	929700	74167	0.925	92.5	1.994	218	True	0.15
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	6.08	1004000	166415	1.921	96.1	2.072	303	True	0.17
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	6.09	979600	408894	4.838	96.8	2.087	398	True	0.13
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	6.09	993800	2112180	24.633	98.5	2.125	461	True	0.17
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	6.08	885200	3715574	48.653	97.3	2.099	396	True	0.15
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	6.08	895100	10703251	138.601	110.9	2.392	416	True	0.16
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	6.08	863500	20264011	271.994	108.8	2.347	386	True	0.15
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	6.09	825100	37471150	526.389	105.3	2.271	412	True	0.18
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	6.08	872300	44166730	586.881	93.9	2.025	401	True	0.15

Analyte Name: NEtFOSE
Regression Equation: Y = 2.157 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.006 Avg. RF = 2.157 RSD = 6.642 RSE = 6.642
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Instrument ID	: LCMS09	Ical Ref	: ICAL21696
Calibration dates	: 11/12/24 13:47 11/12/24 14:58		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

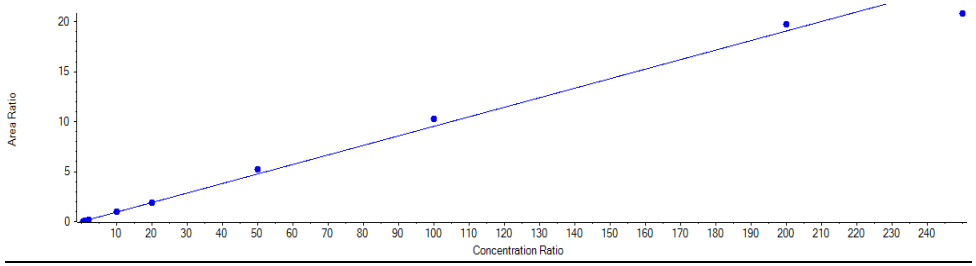
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: HFPO-DA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	2.02	1270000	44460	0.367	91.8	0.875	553	True	0.87
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	2.03	1414000	106038	0.787	98.3	0.938	1250	True	1.30
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	2.04	1319000	242802	1.930	96.5	0.920	3013	True	1.02
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	2.03	1363000	1384972	10.654	106.5	1.016	6756	True	0.99
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	2.03	1340000	2510344	19.651	98.3	0.937	6397	True	1.02
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	2.03	1327000	6943495	54.884	109.8	1.047	6030	True	1.10
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	2.02	1226000	12611640	107.902	107.9	1.029	151270	True	0.96
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	2.04	1186000	23407343	207.014	103.5	0.987	277774	True	0.95
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	2.02	1318000	27447876	218.389	87.4	0.833	321144	True	0.95

Analyte Name: HFPO-DA
Regression Equation: Y = 0.953 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.007 Avg. RF = 0.953 RSD = 7.566 RSE = 7.566
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Instrument ID	: LCMS09	Ical Ref	: ICAL21696
Calibration dates	: 11/12/24 13:47 11/12/24 14:58		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

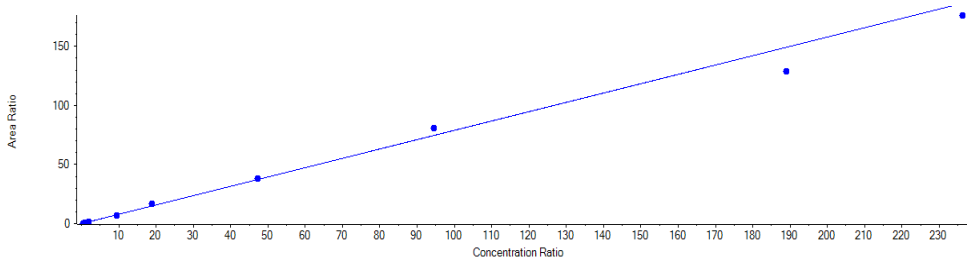
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: ADONA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	2.57	265300	87407	0.417	110.4	2.179	889	True	0.84
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	2.58	294200	178802	0.769	101.8	2.010	1927	True	0.78
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	2.59	286000	389056	1.723	91.1	1.799	4115	True	1.23
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	2.58	307400	2097600	8.640	91.4	1.805	23212	True	1.29
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	2.58	267900	4551354	21.509	113.8	2.247	48236	True	1.22
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	2.58	280100	10654135	48.155	101.9	2.012	114828	True	1.08
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	2.57	261500	21214625	102.711	108.7	2.146	224056	True	1.08
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	2.59	281000	36249877	163.357	86.4	1.707	114523	True	0.92
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	2.57	268800	47370223	223.107	94.4	1.865	366463	True	0.98

Analyte Name: ADONA
Regression Equation: Y = 1.974 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.076 Avg. RF = 1.974 RSD = 9.666 RSE = 9.666
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Instrument ID	: LCMS09	Ical Ref	: ICAL21696
Calibration dates	: 11/12/24 13:47 11/12/24 14:58		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

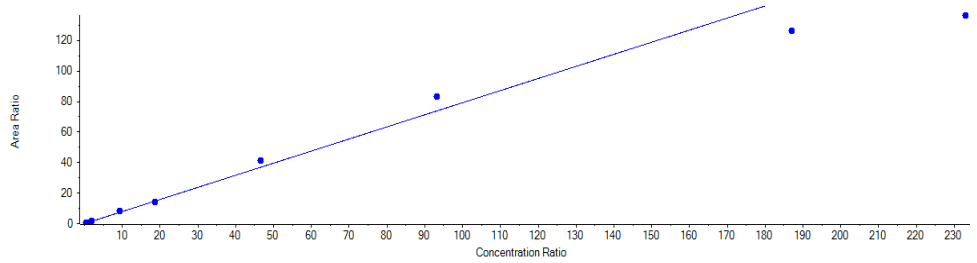
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: 9Cl-PF3ONS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	4.17	355800	111237	0.394	105.7	2.012	1408	True	0.89
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	4.18	407000	248939	0.771	103.4	1.968	2929	True	0.95
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	4.18	383500	581697	1.913	102.3	1.947	7213	True	1.12
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	4.18	383900	3106412	10.206	109.4	2.082	10504	True	0.94
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	4.17	386500	5508783	17.972	96.1	1.829	66018	True	1.22
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	4.17	356300	14697257	52.018	111.4	2.120	8128	True	1.38
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	4.17	322900	26878087	104.963	112.5	2.141	8966	True	1.20
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	4.18	326200	41294401	159.632	85.4	1.625	6012	True	1.04
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	4.17	342100	46680263	172.089	73.9	1.406	8377	True	0.94

Analyte Name: 9Cl-PF3ONS
Regression Equation: Y = 1.903 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.102 Avg. RF = 1.903 RSD = 12.923 RSE = 12.923
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Instrument ID	: LCMS09	Ical Ref	: ICAL21696
Calibration dates	: 11/12/24 13:47 11/12/24 14:58		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

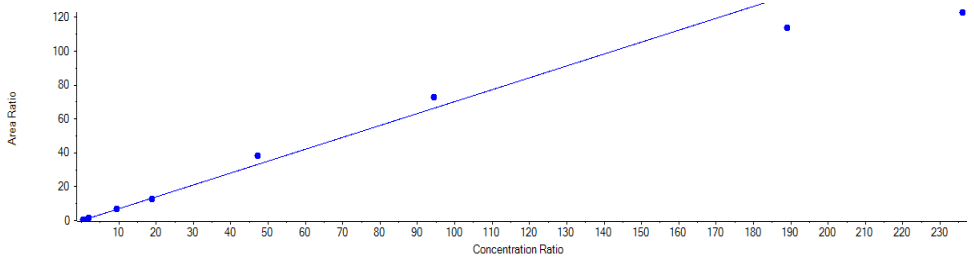
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: 11Cl-PF3OUdS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	4.96	355800	98485	0.394	104.6	1.762	2493	True	1.23
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	4.96	407000	227971	0.797	105.8	1.783	4294	True	1.26
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	4.97	383500	513340	1.906	100.8	1.700	4961	True	1.02
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	4.97	383900	2737469	10.154	107.7	1.815	8034	True	1.19
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	4.96	386500	4949802	18.232	96.5	1.626	11089	True	0.94
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	4.96	356300	13603433	54.359	115.2	1.941	8891	True	0.92
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	4.96	322900	23450162	103.393	109.6	1.848	8646	True	0.92
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	4.97	326200	37149744	162.141	85.8	1.446	7127	True	1.04
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	4.95	342100	42014679	174.875	74.1	1.249	7062	True	1.00

Analyte Name: 11Cl-PF3OUdS
Regression Equation: Y = 1.686 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.090 Avg. RF = 1.686 RSD = 12.854 RSE = 12.854
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Instrument ID	: LCMS09	Ical Ref	: ICAL21696
Calibration dates	: 11/12/24 13:47 11/12/24 14:58		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

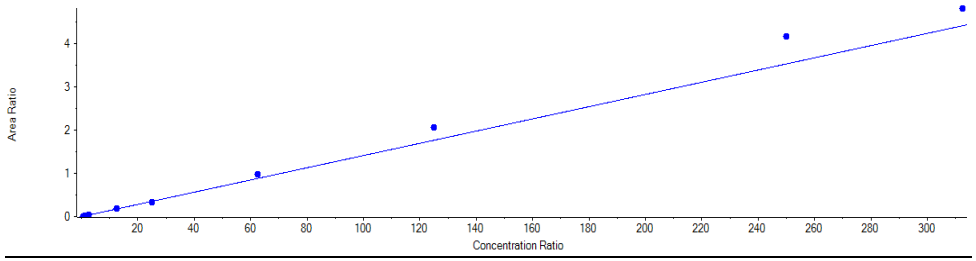
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: 3:3FTCA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	1.43	637800	3761	0.418	83.5	0.059	31	True	0.99
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	1.44	730900	7848	0.760	76.0	0.054	60	True	1.16
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	1.46	670500	21460	2.266	90.7	0.064	132	True	1.58
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	1.45	683300	121431	12.584	100.7	0.071	787	True	1.36
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	1.45	637300	210279	23.365	93.5	0.066	1412	True	1.34
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	1.45	627000	615920	69.561	111.3	0.079	2370	True	1.67
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	1.44	585700	1213842	146.753	117.4	0.083	2462	True	1.26
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	1.46	562100	2340103	294.802	117.9	0.083	2890	True	1.31
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	1.44	583200	2806459	340.754	109.0	0.077	2733	True	1.36

Analyte Name: 3:3FTCA
Regression Equation: Y = 0.071 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.002 Avg. RF = 0.071 RSD = 15.042 RSE = 15.042
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Instrument ID	: LCMS09	Ical Ref	: ICAL21696
Calibration dates	: 11/12/24 13:47 11/12/24 14:58		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

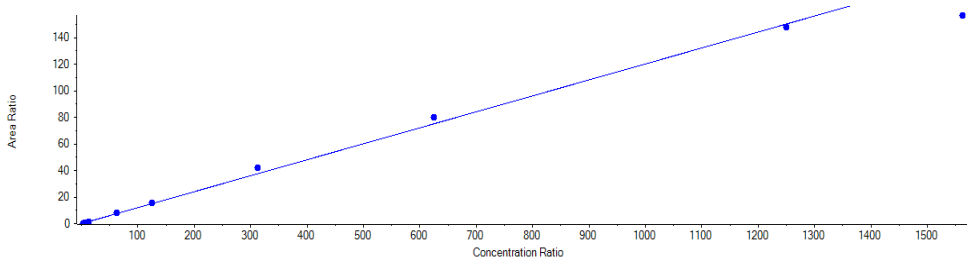
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: 5:3FTCA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	2.93	337300	93923	2.315	92.6	0.278	1025	True	1.39
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	2.94	371400	232264	5.200	104.0	0.313	2473	True	1.42
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	2.94	363500	507498	11.608	92.9	0.279	5664	True	1.04
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	2.94	352100	2856368	67.448	107.9	0.324	32348	True	1.19
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	2.93	319000	4922097	128.308	102.7	0.309	53800	True	1.19
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	2.94	324300	13616312	349.071	111.7	0.336	151138	True	1.01
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	2.93	316400	25317020	665.283	106.5	0.320	232637	True	1.15
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	2.95	310000	45858183	1229.908	98.4	0.296	37712	True	1.45
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	2.93	320000	50160572	1303.508	83.4	0.251	41175	True	1.06

Analyte Name: 5:3FTCA
Regression Equation: Y = 0.301 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.011 Avg. RF = 0.301 RSD = 8.993 RSE = 8.993
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Instrument ID	: LCMS09	Ical Ref	: ICAL21696
Calibration dates	: 11/12/24 13:47 11/12/24 14:58		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

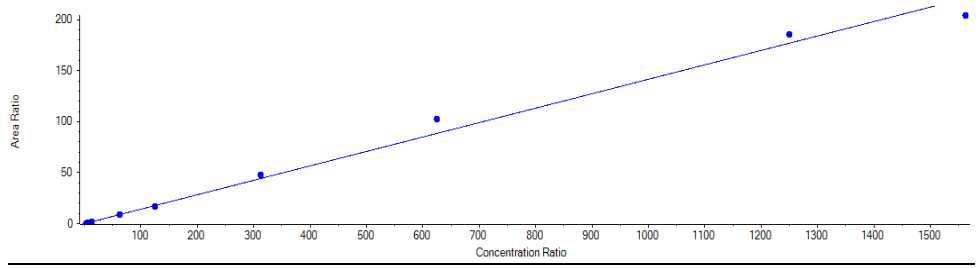
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: 7:3FTCA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	3.96	255600	83972	2.320	92.8	0.164	1083	True	1.32
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	3.97	282700	184161	4.601	92.0	0.163	2341	True	1.43
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	3.97	249700	458510	12.966	103.7	0.184	5734	True	1.03
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	3.97	277700	2360006	60.015	96.0	0.170	3489	True	1.42
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	3.96	268400	4424122	116.413	93.1	0.165	57642	True	1.18
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	3.97	257900	12400335	339.548	108.7	0.192	155988	True	0.99
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	3.97	234000	24088711	727.152	116.3	0.206	56310	True	1.31
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	3.98	232500	43202303	1312.514	105.0	0.186	36609	True	1.21
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	3.96	246400	50318083	1442.094	92.3	0.163	17939	True	1.08

Analyte Name: 7:3FTCA
Regression Equation: Y = 0.177 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.012 Avg. RF = 0.177 RSD = 8.796 RSE = 8.796
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Instrument ID	: LCMS09	Ical Ref	: ICAL21696
Calibration dates	: 11/12/24 13:47 11/12/24 14:58		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

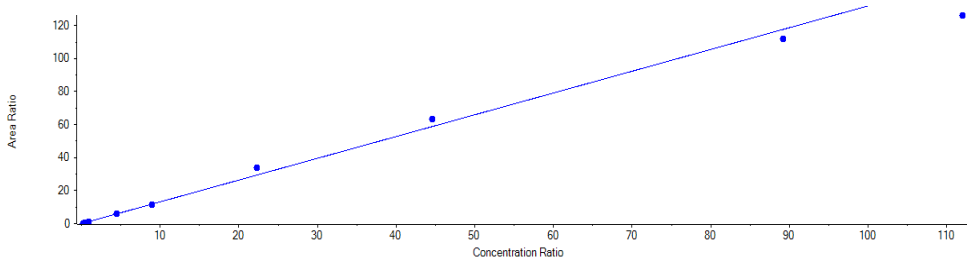
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: PFEESA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	2.10	337300	78446	0.176	99.0	3.266	956	True	0.95
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	2.11	371400	186018	0.380	106.3	3.507	2083	True	0.94
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	2.12	363500	393779	0.821	92.0	3.036	3726	True	0.99
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	2.12	352100	2081356	4.480	100.4	3.313	24749	True	1.06
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	2.11	319000	3729676	8.862	99.4	3.277	44049	True	1.06
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	2.11	324300	10995544	25.693	115.2	3.801	130931	True	1.14
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	2.11	316400	19978530	47.851	107.3	3.539	234772	True	1.07
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	2.13	310000	34661763	84.731	95.0	3.133	279011	True	0.96
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	2.11	320000	40356542	95.588	85.4	2.815	451297	True	1.05

Analyte Name: PFEESA
Regression Equation: Y = 3.299 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.117 Avg. RF = 3.299 RSD = 8.870 RSE = 8.870
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Instrument ID	: LCMS09	Ical Ref	: ICAL21696
Calibration dates	: 11/12/24 13:47 11/12/24 14:58		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

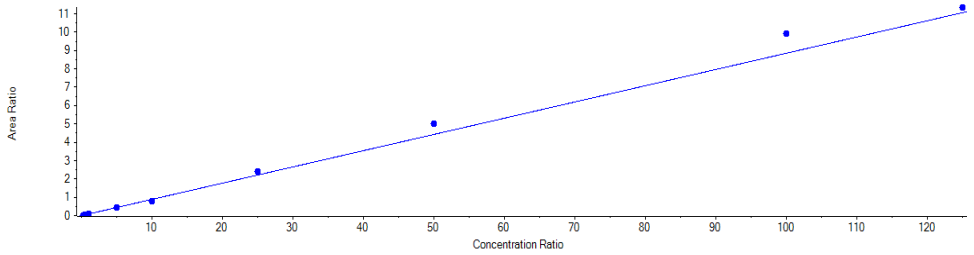
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: PFMPA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	0.69	1517000	24330	0.181	90.6	0.802	834	True	1.06
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	0.70	1701000	55497	0.369	92.2	0.816	1440	True	1.25
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	0.70	1582000	127253	0.909	90.9	0.805	4001	True	1.28
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	0.70	1616000	693087	4.845	96.9	0.858	6404	True	1.14
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	0.69	1504000	1216925	9.144	91.4	0.809	9010	True	1.47
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	0.70	1449000	3520544	27.450	109.8	0.972	14399	True	1.17
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	0.70	1297000	6528040	56.853	113.7	1.006	20184	True	1.12
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	0.71	1190000	11788195	111.904	111.9	0.990	22908	True	1.16
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	0.69	1240000	14063088	128.175	102.5	0.907	22150	True	1.46

Analyte Name: PFMPA
Regression Equation: Y = 0.885 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.009 Avg. RF = 0.885 RSD = 9.661 RSE = 9.661
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Instrument ID	: LCMS09	Ical Ref	: ICAL21696
Calibration dates	: 11/12/24 13:47 11/12/24 14:58		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

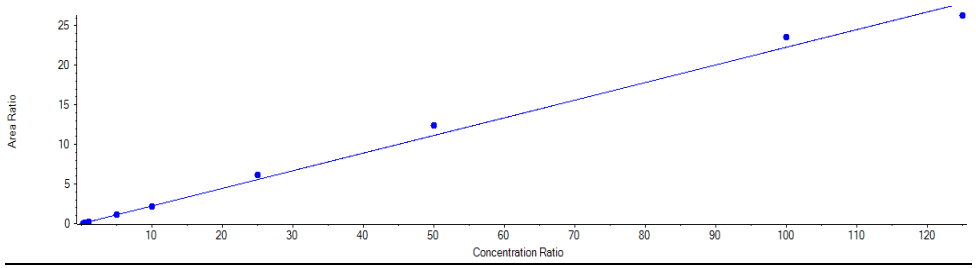
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: PFMBA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	1.33	637800	27180	0.191	95.6	1.065	756	True	1.34
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	1.34	730900	60819	0.373	93.4	1.040	1677	True	1.19
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	1.35	670500	143322	0.959	95.9	1.069	3827	True	1.26
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	1.35	683300	739510	4.857	97.1	1.082	20099	True	1.22
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	1.34	637300	1360392	9.579	95.8	1.067	33309	True	1.26
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	1.35	627000	3850108	27.556	110.2	1.228	100546	True	0.97
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	1.33	585700	7277500	55.759	111.5	1.243	90496	True	1.22
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	1.35	562100	13278446	106.010	106.0	1.181	77478	True	1.06
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	1.33	583200	15338223	118.021	94.4	1.052	50514	True	1.40

Analyte Name: PFMBA
Regression Equation: Y = 1.114 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.016 Avg. RF = 1.114 RSD = 7.161 RSE = 7.161
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Instrument ID	: LCMS09	Ical Ref	: ICAL21696
Calibration dates	: 11/12/24 13:47 11/12/24 14:58		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

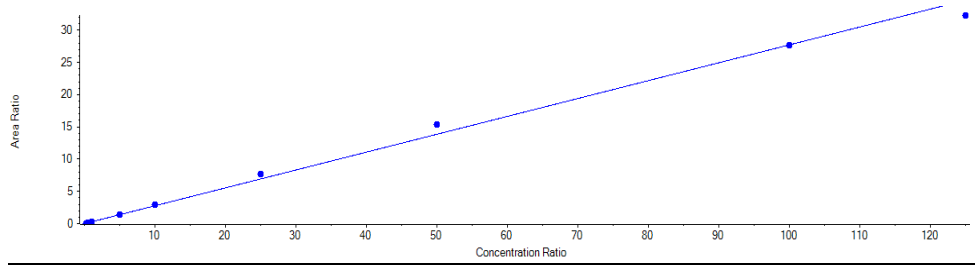
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: NFDHA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	1.74	337300	17724	0.190	94.8	0.657	262	True	0.87
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	1.74	371400	38545	0.374	93.6	0.649	567	True	1.14
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	1.76	363500	93584	0.929	92.9	0.644	1345	True	1.40
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	1.75	352100	483159	4.950	99.0	0.686	4541	True	1.10
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	1.75	319000	934389	10.568	105.7	0.732	7607	True	1.17
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	1.75	324300	2476750	27.548	110.2	0.764	11493	True	1.33
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	1.74	316400	4869449	55.517	111.0	0.769	67986	True	1.42
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	1.76	310000	8568268	99.701	99.7	0.691	8481	True	1.09
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	1.74	320000	10327901	116.443	93.2	0.646	9952	True	1.48

Analyte Name: NFDHA
Regression Equation: Y = 0.693 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.020 Avg. RF = 0.693 RSD = 7.288 RSE = 7.288
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Instrument ID	: LCMS09	Ical Ref	: ICAL21696
Calibration dates	: 11/12/24 13:47 11/12/24 14:58		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

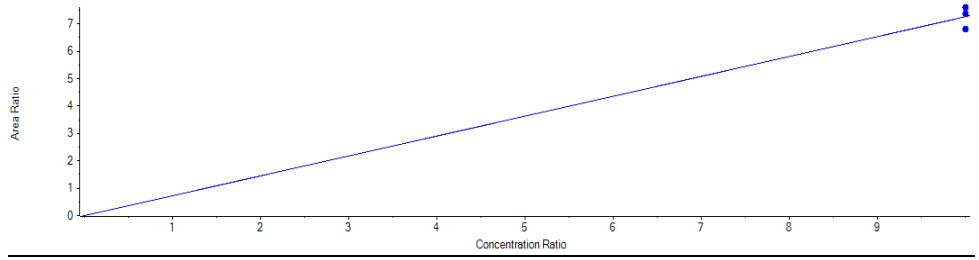
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: TDCA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	2.57	355800	2704290	10.463	104.6	1.824	7909	True	1.31
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	N/A	407000	N/A	N/A	N/A	N/A	N/A	False	N/A
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	N/A	383500	N/A	N/A	N/A	N/A	N/A	False	N/A
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	N/A	383900	N/A	N/A	N/A	N/A	N/A	False	N/A
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	2.57	386500	2633734	9.379	93.8	1.635	9725	True	1.17
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	N/A	356300	N/A	N/A	N/A	N/A	N/A	False	N/A
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	N/A	322900	N/A	N/A	N/A	N/A	N/A	False	N/A
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	N/A	326200	N/A	N/A	N/A	N/A	N/A	False	N/A
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	2.57	342100	2524140	10.157	101.6	1.771	8641	True	1.55

Analyte Name: TDCA
Regression Equation: Y = 1.743 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.041 Avg. RF = 1.743 RSD = 5.589 RSE = 0.000
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Instrument ID	: LCMS09	Ical Ref	: ICAL21696
Calibration dates	: 11/12/24 13:47 11/12/24 14:58		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

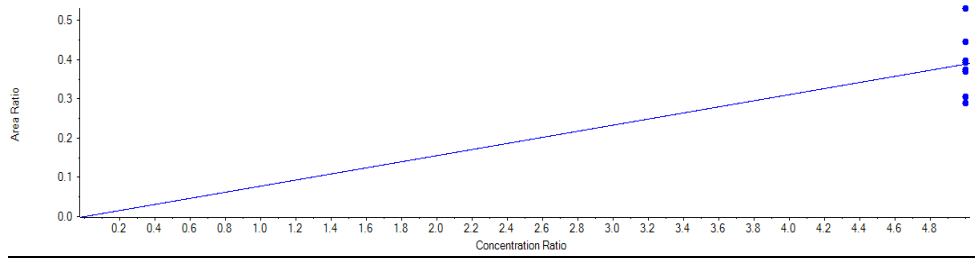
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: 13C2D4-4:2FTS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	1.59	246100	96621	5.049	101.0	0.186	2025	True	1.11
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	1.60	302900	160729	6.826	136.5	0.252	3362	True	1.46
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	1.62	280500	110311	5.058	101.2	0.186	2195	True	0.92
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	1.61	301000	92216	3.940	78.8	0.145	1901	True	1.00
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	1.61	261100	116377	5.732	114.6	0.211	2398	True	1.03
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	1.61	289600	83917	3.727	74.5	0.137	1674	True	1.27
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	1.60	274300	102499	4.807	96.1	0.177	2024	True	1.06
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	1.62	262900	104342	5.104	102.1	0.188	2040	True	1.02
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	1.60	270400	100008	4.757	95.1	0.175	2058	True	1.14

Analyte Name: 13C2D4-4:2FTS
Regression Equation: Y = 0.184 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.014 Avg. RF = 0.184 RSD = 18.339 RSE = 0.000
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Instrument ID	: LCMS09	Ical Ref	: ICAL21696
Calibration dates	: 11/12/24 13:47 11/12/24 14:58		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

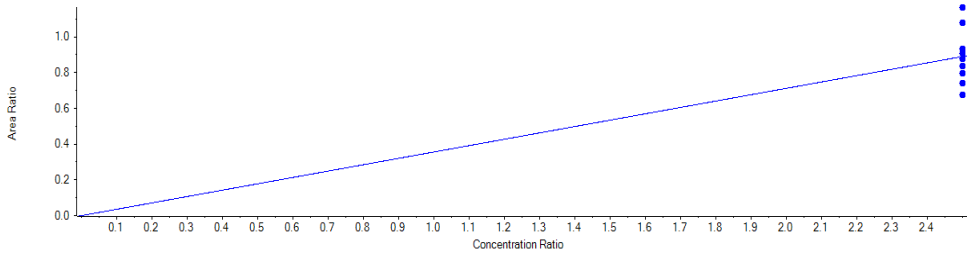
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: 13C2-PFOA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	2.87	336500	267745	2.236	89.4	0.796	3212	True	1.10
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	2.88	403300	469503	3.270	130.8	1.164	5733	True	1.28
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	2.89	352000	319597	2.550	102.0	0.908	3979	True	1.38
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	2.88	371800	275001	2.078	83.1	0.740	3331	True	0.96
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	2.88	332300	357849	3.025	121.0	1.077	4455	True	1.44
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	2.88	364400	246526	1.901	76.0	0.677	3062	True	1.39
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	2.88	354100	330806	2.624	105.0	0.934	4137	True	0.93
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	2.89	364200	304489	2.348	93.9	0.836	3814	True	1.11
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	2.87	364900	320540	2.468	98.7	0.879	3971	True	1.24

Analyte Name: 13C2-PFOA
Regression Equation: Y = 0.890 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.062 Avg. RF = 0.890 RSD = 17.425 RSE = 0.000
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Instrument ID	: LCMS09	Ical Ref	: ICAL21696
Calibration dates	: 11/12/24 13:47 11/12/24 14:58		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Type	Name	IA1633FSTD-.1	IA1633FSTD-.2	IA1633FSTD-.5	IA1633FSTD-2.5	IA1633FSTD-5	IA1633FSTD-12.5	IA1633FSTD-25	IA1633FSTD-50	IA1633FSTD-62.5	AVG RF	RSD
EIS	13C4-PFBA	1.175	1.157	1.163	1.132	1.238	1.114	1.079	1.128	1.137	1.147	3.875
EIS	13C5-PFPeA	0.911	0.91	0.867	0.841	0.908	0.762	0.83	0.84	0.818	0.854	5.892
EIS	13C5-PFHxA	0.964	0.925	0.94	0.867	0.909	0.788	0.897	0.926	0.898	0.901	5.65
EIS	13C4-PFHpA	0.758	0.733	0.74	0.756	0.763	0.681	0.741	0.839	0.754	0.752	5.478
EIS	13C8-PFOA	1.716	1.482	1.65	1.691	1.692	1.411	1.567	1.462	1.439	1.568	7.785
EIS	13C9-PFNA	1.041	0.996	0.957	1.031	1.121	0.966	0.966	0.997	0.964	1.004	5.282
EIS	13C6-PFDA	1.061	1.043	1.09	1.053	1.194	1.047	1.016	0.982	0.994	1.053	5.94
EIS	13C7-PFUnA	1.238	1.245	1.251	1.19	1.29	1.162	1.105	1.037	0.999	1.169	8.716
EIS	13C2-PFDoA	1.271	1.282	1.262	1.189	1.4	1.25	1.205	1.225	1.16	1.249	5.551
EIS	13C2-PFTeDA	0.924	0.94	0.945	0.938	0.989	0.892	0.913	0.92	0.88	0.927	3.451
EIS	13C3-PFBS	1.525	1.423	1.31	1.205	1.309	1.182	1.19	1.182	1.203	1.281	9.605
EIS	13C3-PFHxS	1.273	1.159	1.157	1.139	1.193	1.076	0.997	1.12	1.104	1.135	6.767
EIS	13C8-PFOS	1.161	1.226	1.293	1.2	1.352	1.157	1.09	1.181	1.183	1.205	6.461
EIS	13C2-4:2FTS	0.188	0.181	0.176	0.171	0.185	0.167	0.172	0.176	0.186	0.178	4.17
EIS	13C2-6:2FTS	0.162	0.152	0.152	0.138	0.162	0.146	0.158	0.171	0.178	0.158	7.81
EIS	13C2-8:2FTS	0.197	0.176	0.179	0.17	0.186	0.17	0.187	0.203	0.215	0.187	8.143
EIS	13C8-PFOSA	2.036	2.078	2.147	2	2.136	1.953	1.964	2.032	2.069	2.046	3.356
EIS	d3-NMeFOSA	0.333	0.336	0.333	0.327	0.331	0.313	0.328	0.359	0.352	0.335	4.055
EIS	d5-NEtFOSA	0.29	0.299	0.304	0.3	0.311	0.298	0.295	0.324	0.317	0.304	3.658
EIS	d3-NMeFOSAA	0.209	0.205	0.218	0.207	0.219	0.198	0.203	0.202	0.213	0.208	3.443
EIS	d5-NEtFOSAA	0.208	0.204	0.212	0.205	0.206	0.198	0.198	0.209	0.206	0.205	2.26
EIS	d7-NMeFOSE	0.212	0.22	0.234	0.218	0.221	0.21	0.204	0.215	0.218	0.217	3.81
EIS	d9-NEtFOSE	0.291	0.29	0.317	0.298	0.297	0.279	0.28	0.287	0.29	0.292	3.923
EIS	13C3-HFPO-DA	0.907	0.88	0.853	0.839	0.954	0.806	0.869	0.886	0.924	0.880	5.132
NIS	13C3-PFBA	1.018	1.16	1.073	1.126	0.958	1.026	0.948	0.832	0.86	1.000	11.179
NIS	13C2-PFHxA	0.94	1.078	1.038	1.091	0.943	1.106	0.947	0.899	0.957	1.000	7.809
NIS	13C4-PFOA	0.934	1.119	0.977	1.032	0.922	1.011	0.983	1.011	1.012	1.000	5.798
NIS	13C5-PFNA	0.962	1.112	1.023	1.055	0.938	1.046	0.949	0.913	1.001	1.000	6.471
NIS	13C2-PFDA	1.004	1.128	1.054	1.09	0.89	0.995	0.947	0.912	0.981	1.000	7.926
NIS	18O2-PFHxS	0.89	1.095	1.014	1.088	0.944	1.047	0.992	0.951	0.978	1.000	6.847
NIS	13C4-PFOS	1.018	1.103	0.985	1.062	0.949	1.023	0.984	0.917	0.96	1.000	5.78

Initial Calibration Summary
Form 6
Semivolatiles

Client	:	Alpha Geoscience	Lab Number	:	L2467934
Project Name	:	HUNTINGTON READY MIXED	Project Number	:	20116
Instrument ID	:	LCMS09	Ical Ref	:	ICAL21696
Calibration dates	:	11/12/24 13:47 11/12/24 14:58			

Initial Calibration Report

SCIEX OS Version 3.3.1.43

Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Analyte	Expected Ratio	Lower Limt	Upper Limt	NIS Analyte	AVG. NIS Area
PFBA	N/A	N/A	N/A	13C3-PFBA	634052
PFPeA	N/A	N/A	N/A	13C2-PFHxA	372348
PFHxA	0.089	0.0445	0.1335	13C4-PFOA	360402
PFHpA	0.384	0.192	0.576	13C5-PFNA	255267
PFOA	0.41	0.205	0.615	13C2-PFDA	263623
PFNA	0.341	0.1705	0.5115	18O2-PFHxS	276538
PFDA	0.215	0.1075	0.3225	13C4-PFOS	301198
PFUnA	0.151	0.0755	0.2265	N/A	N/A
PFDoA	0.14	0.07	0.21	N/A	N/A
PFTrDA	0.159	0.0795	0.2385	N/A	N/A
PFTeDA	0.159	0.0795	0.2385	N/A	N/A
PFBS	0.398	0.199	0.597	N/A	N/A
PFPeS	0.285	0.1425	0.4275	N/A	N/A
PFHxS	0.293	0.1465	0.4395	N/A	N/A
PFHpS	0.308	0.154	0.462	N/A	N/A
PFOS	0.241	0.1205	0.3615	N/A	N/A
PFNS	0.299	0.1495	0.4485	N/A	N/A
PFDS	0.274	0.137	0.411	N/A	N/A
PFDoS	0.247	0.1235	0.3705	N/A	N/A
4:2FTS	0.634	0.317	0.951	N/A	N/A
6:2FTS	0.609	0.3045	0.9135	N/A	N/A
8:2FTS	0.681	0.3405	1.0215	N/A	N/A
PFOSA	0.024	0.012	0.036	N/A	N/A
NMeFOSA	1.421	0.7105	2.1315	N/A	N/A
NEtFOSA	1.258	0.629	1.887	N/A	N/A
NMeFOSAA	0.683	0.3415	1.0245	N/A	N/A
NEtFOSAA	0.571	0.2855	0.8565	N/A	N/A
NMeFOSE	N/A	N/A	N/A	N/A	N/A
NEtFOSE	N/A	N/A	N/A	N/A	N/A
HFPO-DA	0.51	0.255	0.765	N/A	N/A
ADONA	0.636	0.318	0.954	N/A	N/A
9Cl-PF3ONS	0.326	0.163	0.489	N/A	N/A
11Cl-PF3OUdS	0.318	0.159	0.477	N/A	N/A
3:3FTCA	1.068	0.534	1.602	N/A	N/A
5:3FTCA	1.045	0.5225	1.5675	N/A	N/A
7:3FTCA	1.285	0.6425	1.9275	N/A	N/A
PFEESA	0.081	0.0405	0.1215	N/A	N/A
PFMPA	N/A	N/A	N/A	N/A	N/A
PFMBA	N/A	N/A	N/A	N/A	N/A
NFDHA	0.681	0.3405	1.0215	N/A	N/A
TDCA	5.357	2.6785	8.0355	N/A	N/A

Initial Calibration Report

SCIEX OS Version 3.3.1.43

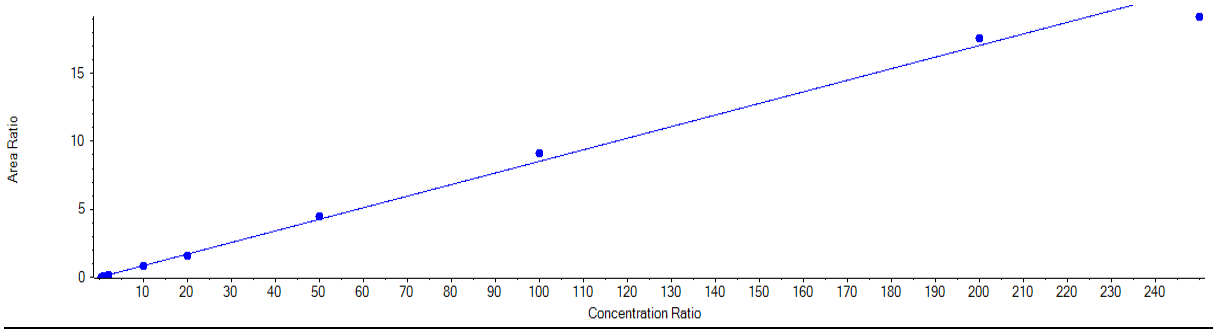
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: PFBA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	0.54	1517000	53618	0.415	103.7	0.884	135	True	1.61
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	0.55	1701000	118095	0.814	101.8	0.868	267	True	1.59
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	0.56	1582000	261217	1.937	96.9	0.826	555	True	1.17
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	0.56	1616000	1378296	10.002	100.0	0.853	1302	True	1.62
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	0.55	1504000	2378762	18.553	92.8	0.791	1506	True	1.53
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	0.55	1449000	6514793	52.724	105.5	0.899	3029	True	1.67
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	0.55	1297000	11790802	106.585	106.6	0.909	4796	True	1.68
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	0.56	1190000	20911351	206.044	103.0	0.878	5384	True	1.67
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	0.55	1240000	23752764	224.707	89.9	0.766	6231	True	1.68

Analyte Name: PFBA
Regression Equation: Y = 0.853 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.005 Avg. RF = 0.853 RSD = 5.738 RSE = 5.738
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

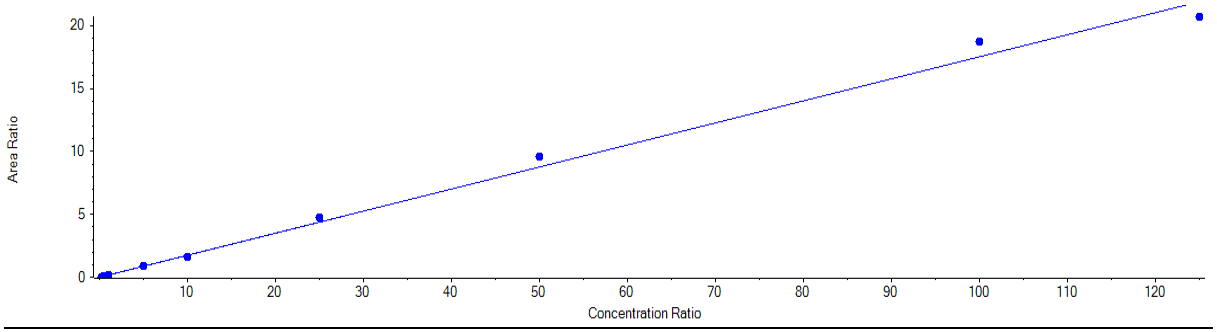
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: PFPeA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	1.07	637800	21381	0.191	95.7	0.838	233	True	1.06
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	1.08	730900	48508	0.379	94.7	0.830	581	True	1.23
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	1.09	670500	114192	0.972	97.2	0.852	1241	True	1.03
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	1.08	683300	599628	5.008	100.2	0.878	3052	True	1.01
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	1.08	637300	1033269	9.252	92.5	0.811	4495	True	1.15
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	1.08	627000	2995329	27.262	109.1	0.955	5975	True	1.57
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	1.07	585700	5618159	54.738	109.5	0.959	8838	True	1.29
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	1.09	562100	10516986	106.772	106.8	0.936	17306	True	1.44
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	1.07	583200	12071322	118.116	94.5	0.828	12498	True	1.27

Analyte Name: PFPeA
Regression Equation: Y = 0.876 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.012 Avg. RF = 0.876 RSD = 6.697 RSE = 6.697
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

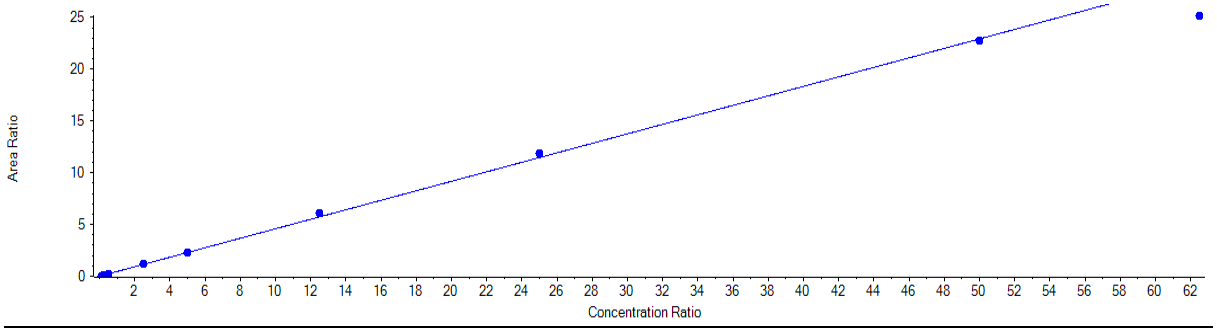
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: PFHxA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	1.81	337300	14817	0.096	95.8	1.098	207	True	0.91
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	1.82	371400	36106	0.212	106.0	1.215	518	True	1.22
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	1.83	363500	80502	0.483	96.6	1.107	1085	True	1.30
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	1.83	352100	429984	2.663	106.5	1.221	5382	True	1.16
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	1.82	319000	722013	4.936	98.7	1.132	3939	True	1.17
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	1.82	324300	1964194	13.205	105.6	1.211	10204	True	1.32
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	1.81	316400	3768217	25.968	103.9	1.191	13139	True	0.96
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	1.83	310000	7047845	49.570	99.1	1.137	11602	True	1.08
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	1.81	320000	8048777	54.852	87.8	1.006	15973	True	0.99

Analyte Name: PFHxA
Regression Equation: Y = 1.146 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.028 Avg. RF = 1.146 RSD = 6.191 RSE = 6.191
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

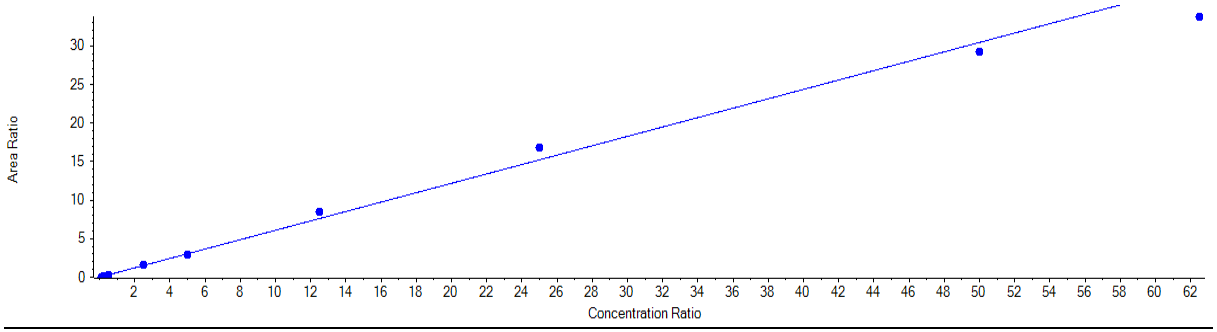
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: PFHpA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	2.39	265300	13787	0.085	85.4	1.299	171	True	1.07
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	2.39	294200	38680	0.216	108.0	1.643	475	True	0.98
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	2.40	286000	89346	0.513	102.6	1.562	1064	True	1.33
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	2.40	307400	473251	2.528	101.1	1.540	4340	True	1.17
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	2.39	267900	791184	4.849	97.0	1.476	7771	True	1.42
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	2.40	280100	2357143	13.818	110.5	1.683	14158	True	1.15
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	2.39	261500	4413152	27.712	110.9	1.687	19200	True	1.09
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	2.41	281000	8200726	47.931	95.9	1.459	25045	True	1.39
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	2.39	268800	9077105	55.448	88.7	1.351	26810	True	1.02

Analyte Name: PFHpA
Regression Equation: Y = 1.522 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.056 Avg. RF = 1.522 RSD = 9.139 RSE = 9.139
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

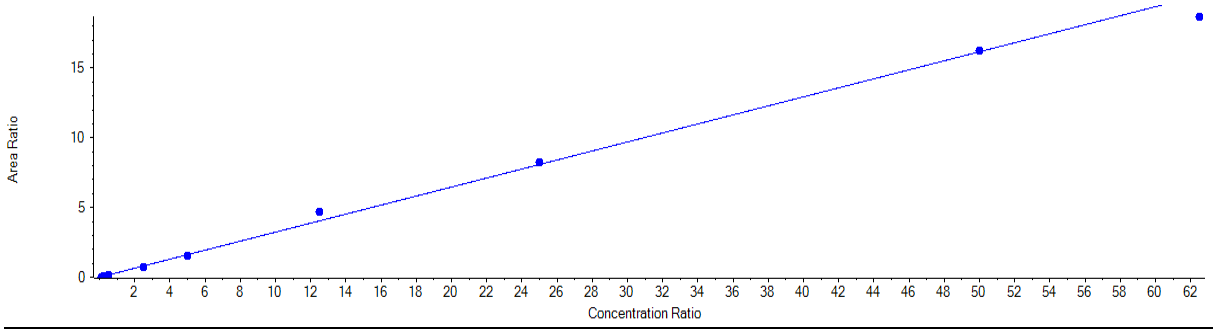
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: PFOA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	2.87	577300	18961	0.102	101.6	0.821	95	True	0.14
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	2.89	597600	41050	0.212	106.2	0.859	157	True	0.15
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	2.89	580900	92553	0.493	98.6	0.797	311	True	0.15
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	2.89	628600	457773	2.253	90.1	0.728	627	True	0.18
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	2.88	562400	843703	4.640	92.8	0.750	724	True	0.17
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	2.89	514000	2410473	14.505	116.0	0.938	818	True	0.17
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	2.88	555000	4563961	25.435	101.7	0.822	1057	True	0.18
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	2.90	532400	8652103	50.271	100.5	0.813	958	True	0.15
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	2.88	525200	9804164	57.742	92.4	0.747	1022	True	0.16

Analyte Name: PFOA
Regression Equation: Y = 0.808 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.026 Avg. RF = 0.808 RSD = 8.000 RSE = 8.000
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

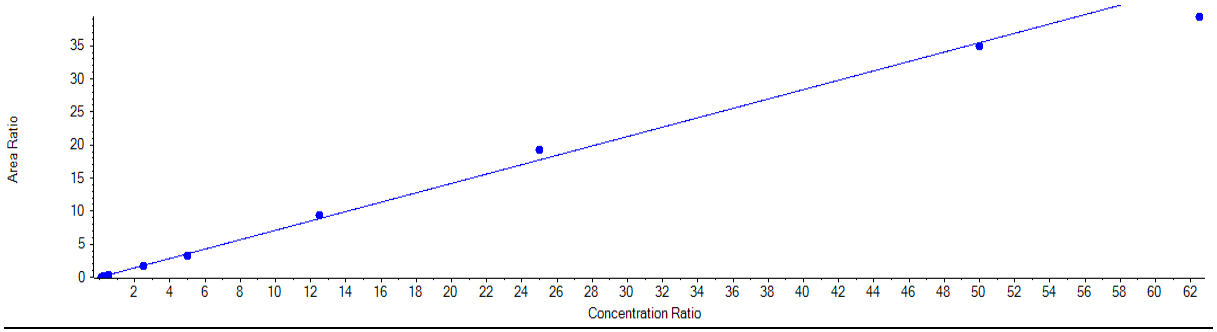
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: PFNA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	3.32	255600	19063	0.105	105.1	0.932	99	True	0.21
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	3.33	282700	40908	0.204	102.0	0.904	221	True	0.22
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	3.33	249700	89768	0.507	101.3	0.899	309	True	0.21
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	3.33	277700	493158	2.503	100.1	0.888	738	True	0.20
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	3.33	268400	854304	4.487	89.7	0.796	792	True	0.19
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	3.33	257900	2421412	13.233	105.9	0.939	1106	True	0.23
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	3.33	234000	4502915	27.129	108.5	0.962	1061	True	0.20
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	3.34	232500	8122745	49.253	98.5	0.874	1054	True	0.23
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	3.32	246400	9704511	55.510	88.8	0.788	1182	True	0.24

Analyte Name: PFNA
Regression Equation: Y = 0.887 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.048 Avg. RF = 0.887 RSD = 6.815 RSE = 6.815
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

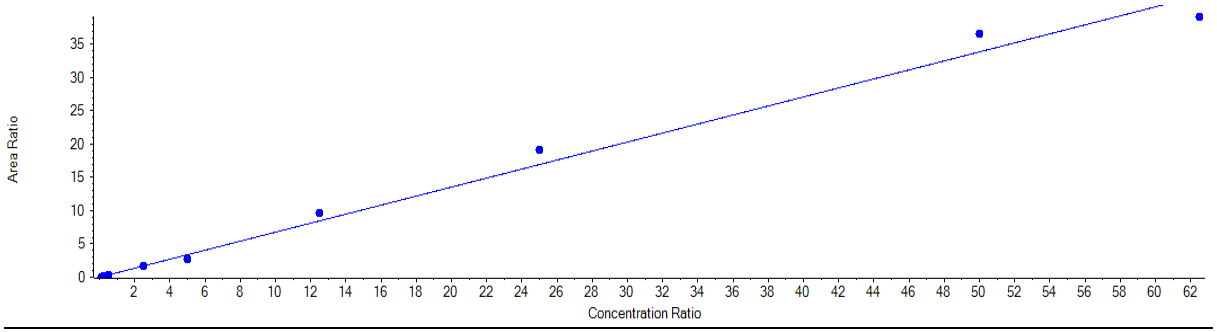
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: PFDA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	3.75	280800	19381	0.102	101.9	0.863	203	True	0.91
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	3.75	309900	40103	0.191	95.5	0.809	420	True	1.10
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	3.76	302700	99688	0.486	97.2	0.823	1025	True	0.94
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	3.76	302600	498205	2.430	97.2	0.823	5044	True	0.86
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	3.75	280300	773161	4.071	81.4	0.690	6936	True	1.21
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	3.75	274500	2642505	14.207	113.7	0.963	12247	True	1.00
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	3.75	253700	4851208	28.219	112.9	0.956	32212	True	1.30
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	3.76	236000	8619712	53.909	107.8	0.913	25821	True	1.15
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	3.75	257200	10067605	57.774	92.4	0.783	21974	True	1.06

Analyte Name: PFDA
Regression Equation: Y = 0.847 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.070 Avg. RF = 0.847 RSD = 10.336 RSE = 10.336
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

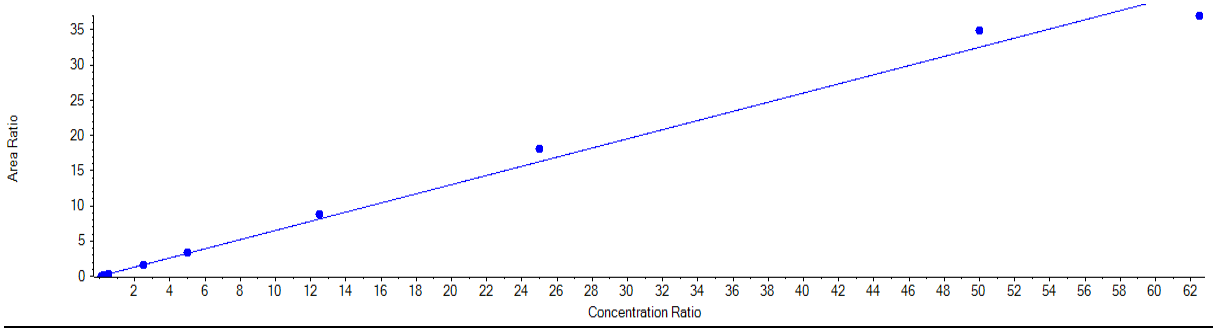
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: PFUnA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	4.15	327700	18116	0.085	85.0	0.691	211	True	1.44
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	4.16	370000	45899	0.191	95.3	0.775	544	True	0.93
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	4.16	347600	110938	0.490	98.1	0.798	1355	True	1.06
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	4.16	341900	571476	2.568	102.7	0.836	6694	True	1.31
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	4.15	302900	997850	5.062	101.2	0.824	8823	True	1.07
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	4.15	304600	2676399	13.499	108.0	0.879	23278	True	1.15
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	4.15	275900	5009931	27.897	111.6	0.908	15909	True	0.91
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	4.16	249300	8692073	53.579	107.2	0.872	38473	True	1.24
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	4.15	258400	9559178	56.850	91.0	0.740	26449	True	1.06

Analyte Name: PFUnA
Regression Equation: Y = 0.814 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.056 Avg. RF = 0.814 RSD = 8.606 RSE = 8.606
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

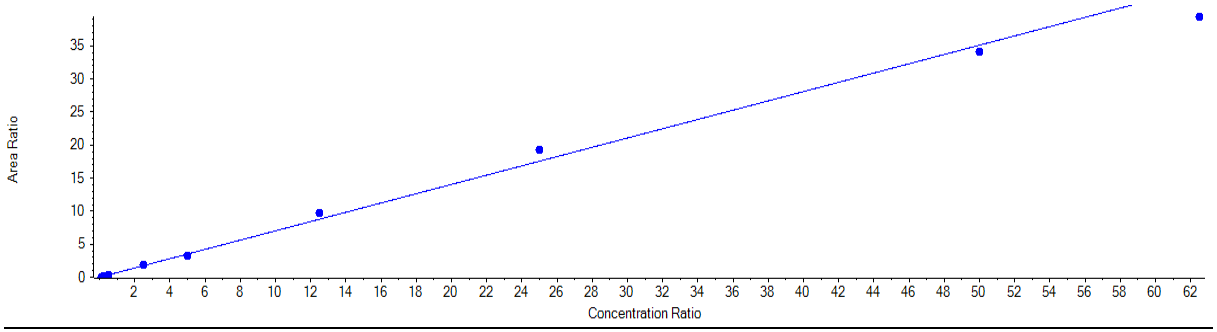
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: PFDoA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	4.55	336500	24061	0.102	101.8	0.894	386	True	1.01
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	4.55	381200	51636	0.193	96.4	0.847	786	True	1.00
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	4.56	350600	117653	0.478	95.5	0.839	1743	True	0.83
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	4.55	341600	638354	2.660	106.4	0.934	6214	True	1.00
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	4.54	328500	1078295	4.673	93.5	0.821	11473	True	1.12
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	4.54	327700	3162839	13.738	109.9	0.965	19389	True	1.04
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	4.54	300900	5794870	27.414	109.7	0.963	18715	True	0.96
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	4.55	294300	10040339	48.559	97.1	0.853	21722	True	1.27
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	4.54	300100	11827952	56.103	89.8	0.788	25796	True	1.00

Analyte Name: PFDoA
Regression Equation: Y = 0.878 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.051 Avg. RF = 0.878 RSD = 7.281 RSE = 7.281
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

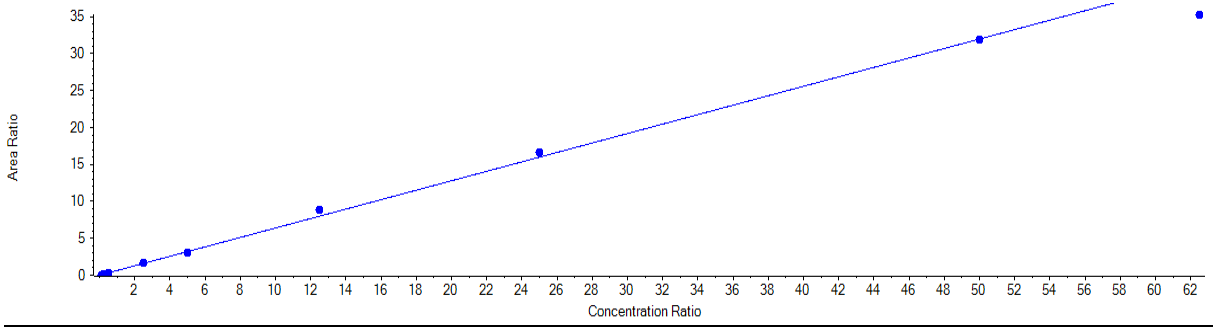
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: PFTrDA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	4.93	336500	20931	0.097	97.3	0.778	426	True	1.01
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	4.93	381200	50459	0.207	103.5	0.827	1003	True	1.03
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	4.94	350600	114629	0.511	102.2	0.817	2353	True	1.24
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	4.93	341600	555304	2.541	101.7	0.813	6281	True	0.86
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	4.92	328500	981099	4.670	93.4	0.747	6316	True	1.11
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	4.92	327700	2889335	13.785	110.3	0.882	19783	True	1.04
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	4.92	300900	4999404	25.978	103.9	0.831	8987	True	0.97
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	4.93	294300	9372832	49.793	99.6	0.796	14159	True	1.09
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	4.91	300100	10580089	55.124	88.2	0.705	14210	True	0.97

Analyte Name: PFTrDA
Regression Equation: Y = 0.799 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.041 Avg. RF = 0.799 RSD = 6.437 RSE = 6.437
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

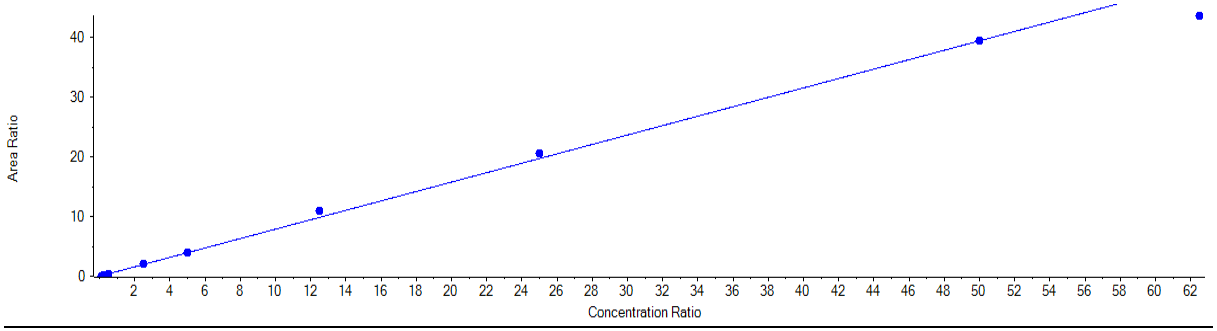
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: PFTeDA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	5.29	244500	18994	0.098	98.4	0.971	604	True	1.26
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	5.29	279500	43540	0.197	98.6	0.973	1043	True	1.28
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	5.30	262400	102060	0.492	98.5	0.972	1451	True	1.44
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	5.29	269600	546758	2.568	102.7	1.014	2752	True	1.14
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	5.28	232100	900369	4.911	98.2	0.970	4669	True	1.34
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	5.28	233900	2559704	13.857	110.9	1.094	7976	True	1.27
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	5.28	228000	4688221	26.033	104.1	1.028	12414	True	1.27
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	5.29	221100	8741427	50.062	100.1	0.988	16570	True	0.91
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	5.28	227600	9942284	55.310	88.5	0.874	13849	True	1.32

Analyte Name: PFTeDA
Regression Equation: Y = 0.987 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.047 Avg. RF = 0.987 RSD = 5.966 RSE = 5.966
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

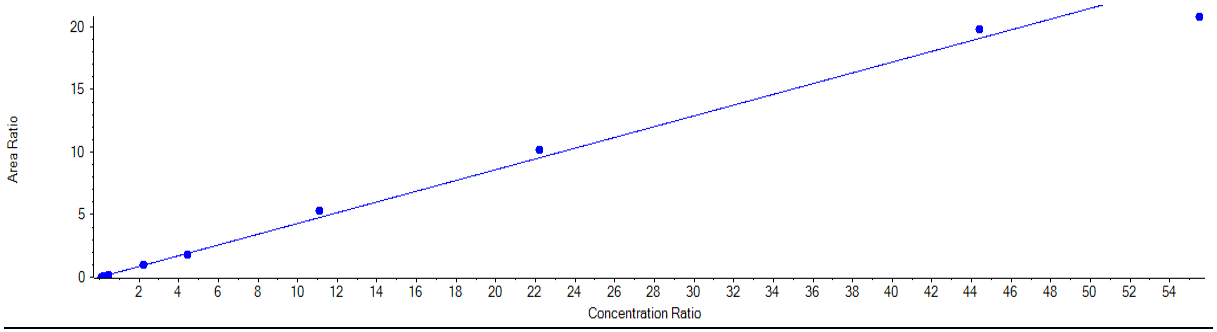
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: PFBS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	1.80	369100	14094	0.089	99.8	1.000	85	True	1.19
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	1.81	423600	31649	0.174	97.7	0.978	142	True	1.20
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	1.82	361300	66798	0.430	96.9	0.970	339	True	0.94
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	1.82	356500	338862	2.212	99.6	0.998	1157	True	1.25
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	1.81	335900	619902	4.294	96.7	0.968	1317	True	1.31
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	1.81	336400	1788641	12.371	111.5	1.116	2476	True	0.99
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	1.80	321000	3264569	23.665	106.6	1.067	3772	True	1.10
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	1.82	305600	6061404	46.159	104.0	1.041	3527	True	1.24
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	1.80	319900	6654256	48.410	87.2	0.873	6066	True	1.13

Analyte Name: PFBS
Regression Equation: Y = 1.001 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.030 Avg. RF = 1.001 RSD = 6.888 RSE = 6.888
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

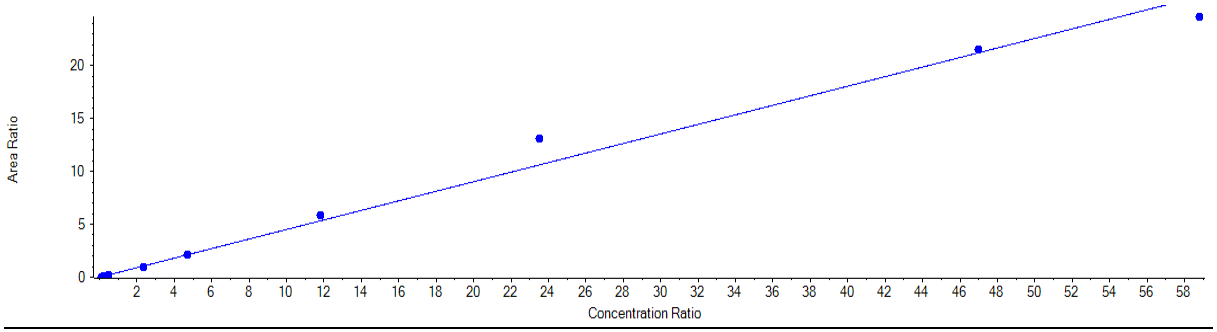
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: PFPeS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	2.44	313300	12490	0.088	93.9	1.005	142	True	0.87
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	2.44	351000	26547	0.167	89.1	0.953	296	True	1.40
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	2.46	324400	65391	0.446	94.9	1.016	743	True	1.01
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	2.45	342900	345119	2.228	94.8	1.015	3846	True	0.98
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	2.45	311600	655699	4.659	99.1	1.061	7494	True	0.94
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	2.45	311700	1839360	13.065	110.7	1.185	20615	True	1.08
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	2.44	273400	3582380	29.008	123.4	1.322	38489	True	1.13
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	2.46	294600	6337879	47.627	101.3	1.085	7096	True	1.03
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	2.44	298400	7348870	54.513	92.7	0.993	30520	True	1.04

Analyte Name: PFPeS
Regression Equation: Y = 1.071 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.049 Avg. RF = 1.071 RSD = 10.781 RSE = 10.781
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

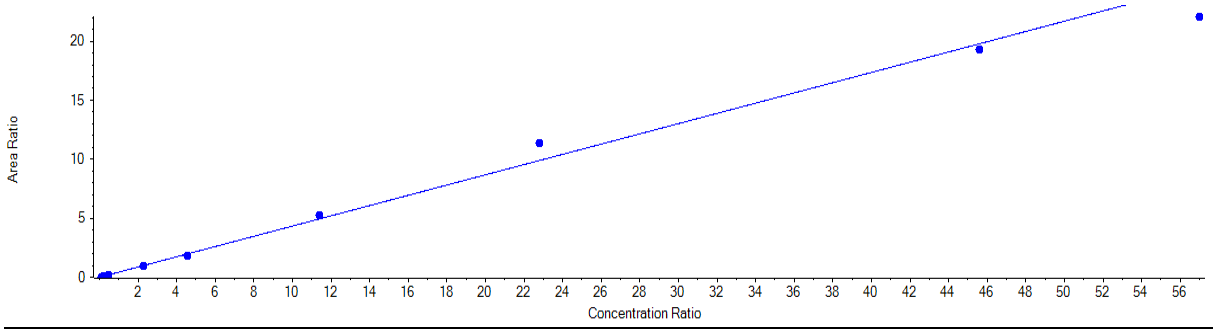
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: PFHxS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	2.97	313300	14601	0.107	118.1	1.214	71	True	0.15
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	2.98	351000	28240	0.185	101.9	1.048	148	True	0.20
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	2.99	324400	57241	0.407	89.2	0.917	252	True	0.22
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	2.98	342900	313557	2.107	92.4	0.950	578	True	0.23
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	2.98	311600	559432	4.138	90.8	0.933	741	True	0.21
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	2.98	311700	1636662	12.104	106.2	1.092	1197	True	0.21
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	2.98	273400	3099575	26.131	114.6	1.179	1134	True	0.22
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	2.99	294600	5694854	44.556	97.7	1.005	1178	True	0.21
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	2.97	298400	6584297	50.852	89.2	0.917	1206	True	0.20

Analyte Name: PFHxS
Regression Equation: Y = 1.028 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.048 Avg. RF = 1.028 RSD = 10.969 RSE = 10.969
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

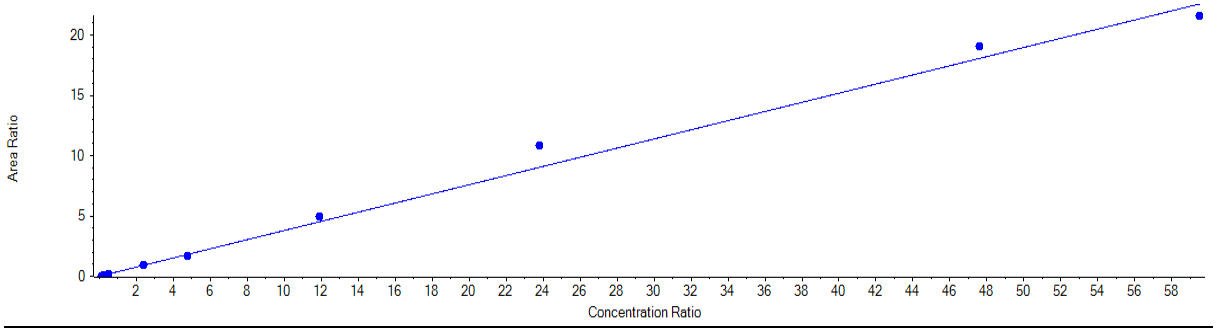
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: PFHpS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	3.45	355800	11214	0.083	87.4	0.796	119	True	1.01
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	3.45	407000	30709	0.199	104.6	0.953	310	True	0.93
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	3.46	383500	60055	0.413	86.7	0.790	684	True	0.82
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	3.46	383900	344376	2.363	99.3	0.905	3837	True	1.16
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	3.45	386500	635275	4.330	91.0	0.829	6922	True	1.06
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	3.45	356300	1770809	13.092	110.0	1.002	10923	True	0.99
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	3.45	322900	3495455	28.515	119.8	1.091	26033	True	1.15
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	3.46	326200	6223934	50.260	105.6	0.962	51117	True	1.34
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	3.45	342100	7388763	56.902	95.6	0.871	76624	True	1.05

Analyte Name: PFHpS
Regression Equation: Y = 0.911 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.042 Avg. RF = 0.911 RSD = 11.085 RSE = 11.085
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

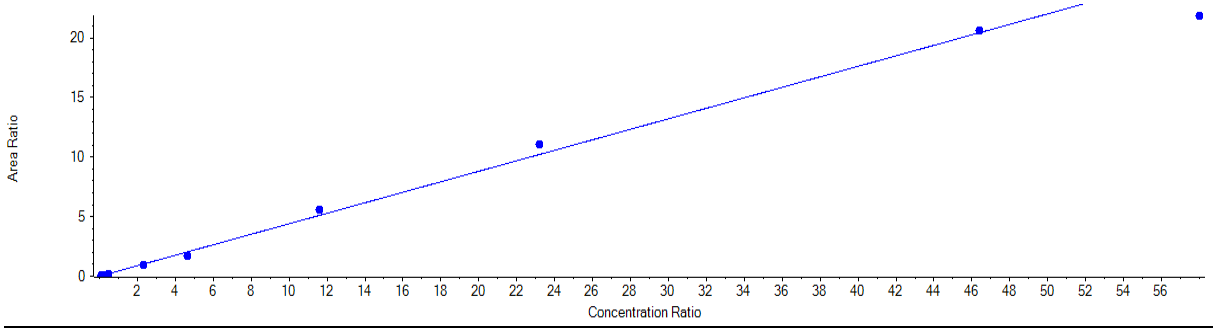
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: PFOS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	3.89	355800	18696	0.119	128.3	1.356	61	True	0.16
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	3.89	407000	33013	0.184	99.0	1.047	104	True	0.18
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	3.89	383500	69507	0.412	88.7	0.937	168	True	0.13
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	3.89	383900	380096	2.249	96.9	1.024	442	True	0.17
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	3.89	386500	659432	3.874	83.5	0.882	405	True	0.16
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	3.89	356300	1975645	12.591	108.5	1.147	601	True	0.13
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	3.89	322900	3576366	25.148	108.4	1.146	568	True	0.16
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	3.90	326200	6737456	46.898	101.1	1.068	537	True	0.15
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	3.88	342100	7473829	49.613	85.5	0.904	513	True	0.14

Analyte Name: PFOS
Regression Equation: Y = 1.057 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.062 Avg. RF = 1.057 RSD = 13.991 RSE = 13.991
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

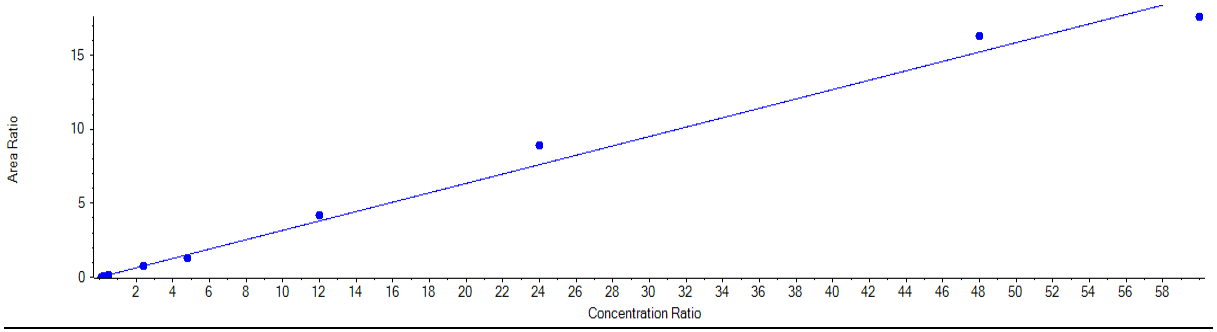
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: PFNS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	4.30	355800	9726	0.086	89.9	0.683	137	True	0.81
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	4.31	407000	24235	0.188	97.9	0.744	328	True	0.86
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	4.31	383500	57392	0.472	98.4	0.748	799	True	1.13
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	4.31	383900	294308	2.419	100.8	0.767	4099	True	0.96
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	4.30	386500	505040	4.123	85.9	0.653	6578	True	1.18
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	4.30	356300	1503450	13.314	111.0	0.844	19003	True	1.22
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	4.30	322900	2868988	28.032	116.8	0.888	38285	True	1.10
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	4.31	326200	5309786	51.357	107.0	0.814	70077	True	0.98
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	4.30	342100	6016389	55.494	92.5	0.703	7634	True	0.85

Analyte Name: PFNS
Regression Equation: Y = 0.761 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.032 Avg. RF = 0.761 RSD = 10.109 RSE = 10.109
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

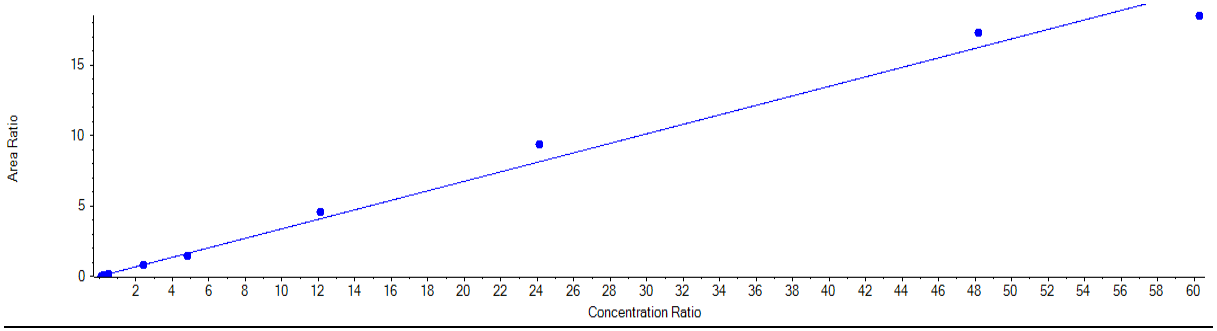
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: PFDS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	4.70	355800	11815	0.099	102.7	0.830	221	True	1.23
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	4.70	407000	24133	0.176	91.2	0.737	456	True	1.09
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	4.71	383500	58087	0.450	93.3	0.754	1109	True	1.06
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	4.70	383900	309310	2.392	99.2	0.802	5904	True	1.28
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	4.69	386500	554867	4.260	88.4	0.715	10094	True	1.25
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	4.69	356300	1631743	13.591	112.3	0.908	28720	True	1.20
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	4.69	322900	3029078	27.838	115.5	0.934	25700	True	1.08
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	4.70	326200	5640768	51.317	106.5	0.861	44767	True	1.08
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	4.69	342100	6322821	54.856	91.0	0.736	27685	True	1.09

Analyte Name: PFDS
Regression Equation: Y = 0.809 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.033 Avg. RF = 0.809 RSD = 9.884 RSE = 9.884
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

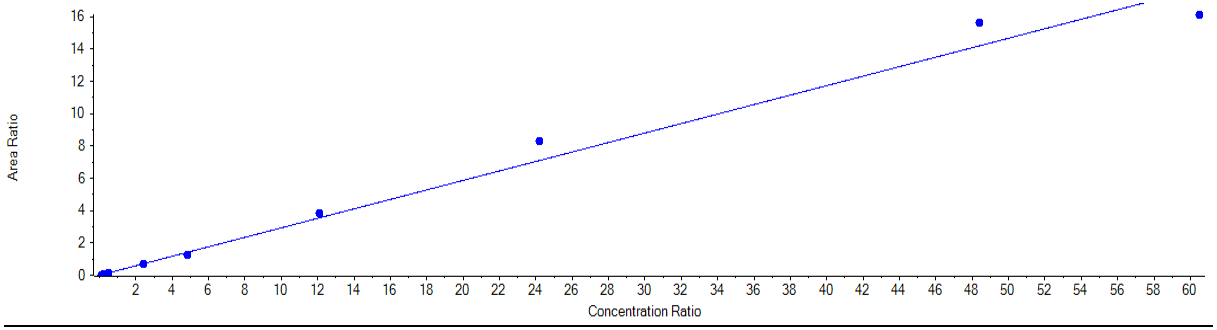
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: PFDoS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	5.43	355800	9317	0.089	92.1	0.648	339	True	1.23
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	5.44	407000	22725	0.190	98.2	0.691	887	True	1.26
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	5.44	383500	53603	0.477	98.5	0.693	1391	True	1.58
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	5.44	383900	264585	2.351	97.1	0.684	5482	True	1.13
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	5.43	386500	483168	4.263	88.1	0.620	5019	True	0.97
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	5.43	356300	1369210	13.105	108.3	0.762	5466	True	0.92
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	5.43	322900	2676910	28.271	116.8	0.822	8800	True	0.96
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	5.44	326200	5099348	53.310	110.1	0.775	11237	True	1.08
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	5.43	342100	5509469	54.928	90.8	0.639	11025	True	1.08

Analyte Name: PFDoS
Regression Equation: Y = 0.704 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.029 Avg. RF = 0.704 RSD = 9.737 RSE = 9.737
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

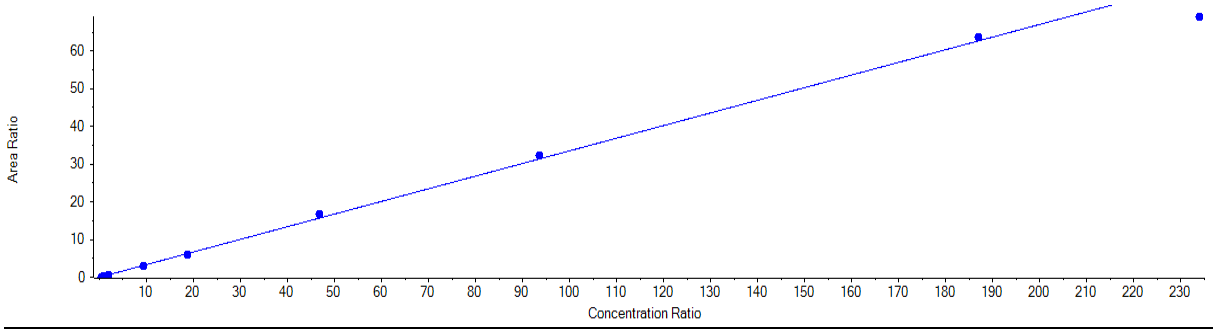
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: 4:2FTS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	1.60	91510	12772	0.416	111.1	1.746	279	True	1.08
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	1.61	108300	28743	0.792	105.6	1.660	605	True	1.38
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	1.63	97850	57923	1.766	94.5	1.485	1170	True	1.25
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	1.62	101700	303991	8.915	95.1	1.495	6149	True	0.99
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	1.62	95370	563434	17.628	94.3	1.482	8159	True	1.00
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	1.62	95430	1601666	50.084	106.8	1.678	10521	True	1.19
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	1.61	93560	3026176	96.519	103.0	1.619	13212	True	0.99
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	1.63	91820	5848933	190.074	101.6	1.598	14697	True	1.03
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	1.61	99800	6889631	206.001	88.0	1.384	16096	True	1.08

Analyte Name: 4:2FTS
Regression Equation: Y = 1.572 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.025 Avg. RF = 1.572 RSD = 7.431 RSE = 7.431
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

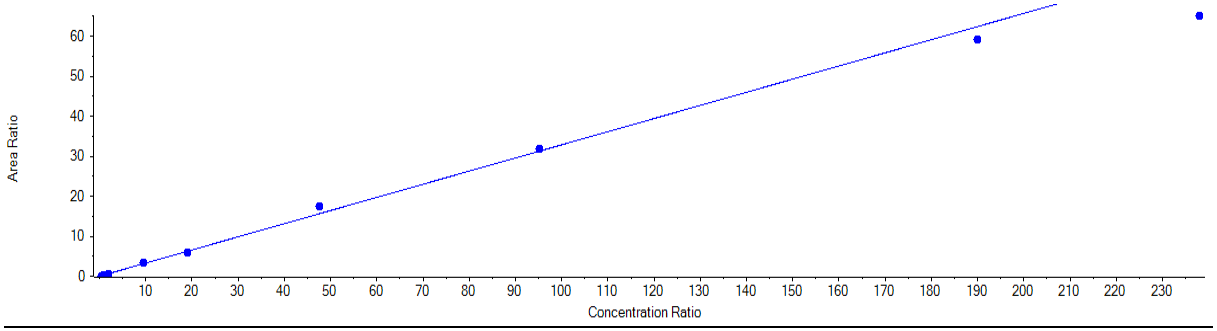
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: 6:2FTS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	2.69	79970	9318	0.355	93.4	1.459	104	True	1.57
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	2.70	92210	25492	0.842	110.6	1.729	311	True	0.99
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	2.71	85590	53281	1.895	99.8	1.560	633	True	1.37
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	2.71	83550	280775	10.231	107.6	1.682	3225	True	0.95
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	2.70	84900	511439	18.339	96.5	1.509	5357	True	1.27
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	2.70	84820	1487213	53.380	112.1	1.753	7091	True	1.23
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	2.70	87130	2780145	97.145	102.2	1.597	8773	True	1.27
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	2.72	90150	5325274	179.850	94.7	1.480	8915	True	1.20
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	2.70	96740	6295423	198.128	83.3	1.302	7273	True	1.02

Analyte Name: 6:2FTS
Regression Equation: Y = 1.563 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.030 Avg. RF = 1.563 RSD = 9.270 RSE = 9.270
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

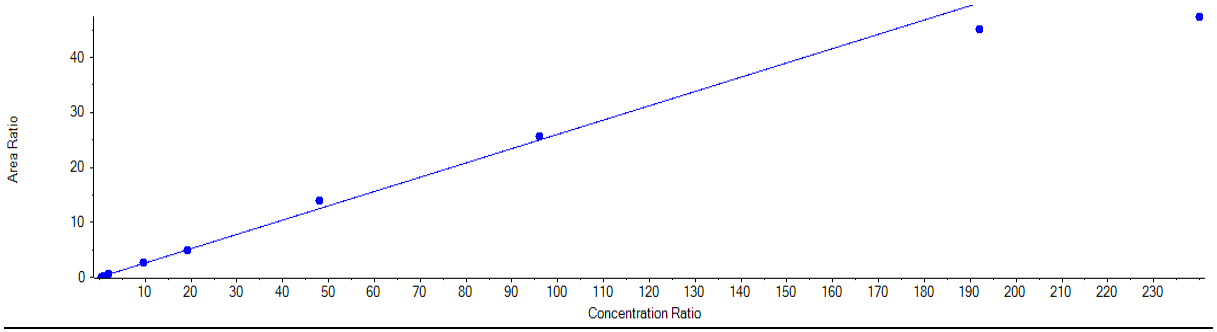
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: 8:2FTS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	3.56	98270	9931	0.388	101.1	1.263	113	True	1.15
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	3.57	107700	22071	0.787	102.5	1.280	253	True	0.97
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	3.57	101900	57007	2.150	112.0	1.399	683	True	1.20
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	3.57	103900	273223	10.105	105.3	1.315	3275	True	1.19
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	3.56	98400	484876	18.937	98.6	1.232	5589	True	0.94
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	3.57	99950	1393143	53.561	111.6	1.394	9592	True	1.47
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	3.57	103700	2658057	98.486	102.6	1.281	11024	True	1.03
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	3.58	108100	4884884	173.583	90.4	1.129	8286	True	1.26
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	3.56	117500	5569172	182.167	75.9	0.948	8138	True	1.28

Analyte Name: 8:2FTS
Regression Equation: Y = 1.249 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.029 Avg. RF = 1.249 RSD = 11.149 RSE = 11.149
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

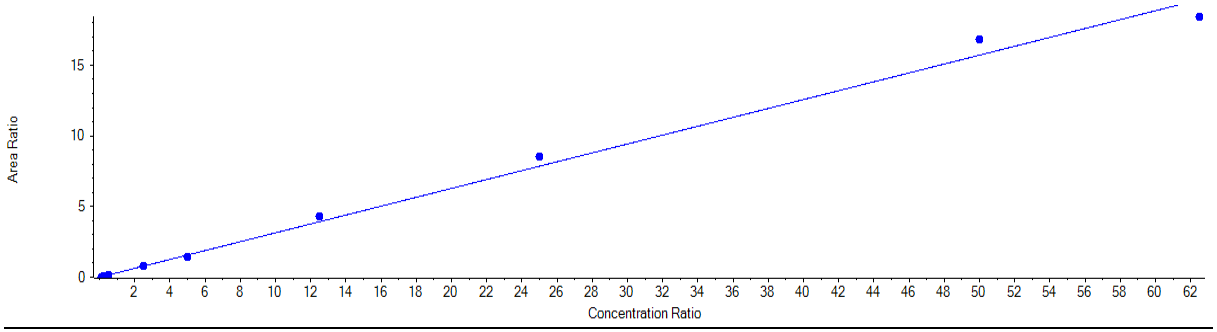
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: PFOSA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	5.17	650100	20091	0.098	98.3	0.773	271	True	0.17
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	5.18	719000	42965	0.190	95.1	0.747	279	True	0.17
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	5.18	663500	100870	0.484	96.7	0.760	358	True	0.15
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	5.18	666500	517556	2.470	98.8	0.777	360	True	0.18
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	5.17	636000	925689	4.630	92.6	0.728	394	True	0.16
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	5.17	626500	2691685	13.668	109.4	0.859	378	True	0.17
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	5.17	606300	5159862	27.073	108.3	0.851	372	True	0.17
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	5.18	584700	9835268	53.516	107.0	0.841	388	True	0.18
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	5.17	623300	11485225	58.623	93.8	0.737	385	True	0.19

Analyte Name: PFOSA
Regression Equation: Y = 0.786 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.020 Avg. RF = 0.786 RSD = 6.501 RSE = 6.501
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

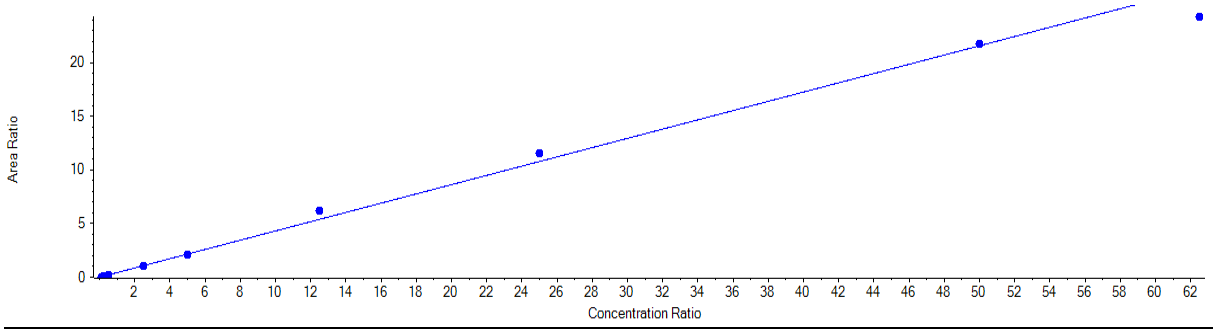
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: NMeFOSA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	5.92	106200	4102	0.090	89.5	0.966	78	True	0.24
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	5.92	116300	9783	0.195	97.5	1.052	176	True	0.20
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	5.93	103000	22369	0.503	100.7	1.086	225	True	0.19
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	5.93	109100	118733	2.522	100.9	1.088	340	True	0.19
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	5.92	98470	207638	4.886	97.7	1.054	347	True	0.17
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	5.92	100500	625203	14.414	115.3	1.244	339	True	0.18
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	5.92	101300	1172991	26.844	107.4	1.158	336	True	0.18
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	5.93	103300	2251333	50.523	101.1	1.090	374	True	0.15
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	5.92	106100	2575445	56.249	90.0	0.971	355	True	0.17

Analyte Name: NMeFOSA
Regression Equation: Y = 1.079 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.035 Avg. RF = 1.079 RSD = 8.006 RSE = 8.006
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

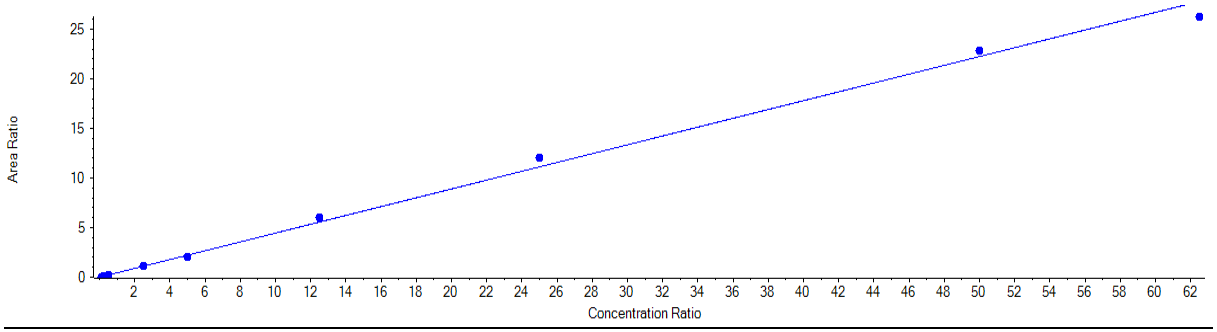
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: NEtFOSA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	6.21	92430	4280	0.104	104.0	1.158	130	True	0.17
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	6.21	103300	8244	0.179	89.7	0.998	199	True	0.15
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	6.22	93960	20910	0.500	100.0	1.113	284	True	0.16
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	6.22	99800	109697	2.469	98.8	1.099	626	True	0.15
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	6.21	92470	193950	4.712	94.2	1.049	746	True	0.17
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	6.21	95540	572751	13.468	107.7	1.199	673	True	0.19
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	6.21	91000	1099805	27.151	108.6	1.209	724	True	0.18
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	6.22	93270	2129088	51.283	102.6	1.141	689	True	0.16
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	6.21	95340	2503142	58.983	94.4	1.050	751	True	0.18

Analyte Name: NEtFOSA
Regression Equation: Y = 1.113 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.029 Avg. RF = 1.113 RSD = 6.418 RSE = 6.418
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

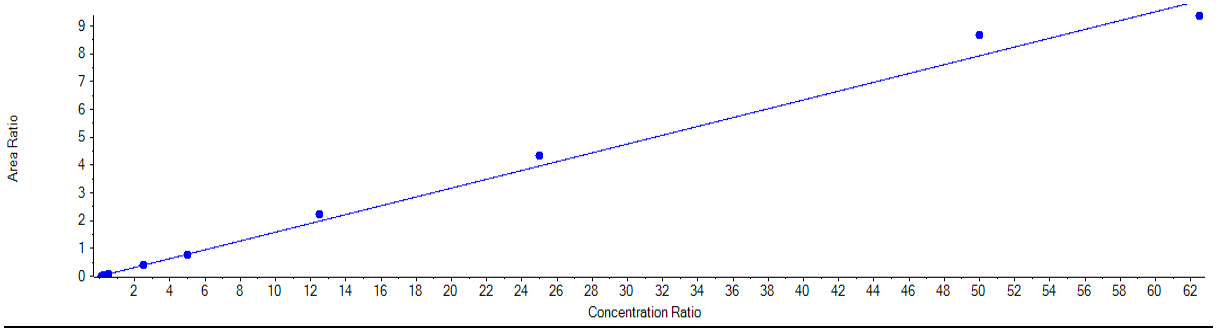
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: NMeFOSAA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	3.88	133400	1754	0.083	82.9	0.657	17	True	1.21
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	3.89	142100	4115	0.183	91.3	0.724	37	True	1.23
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	3.89	134900	10473	0.489	97.8	0.776	74	True	0.31
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	3.89	137700	56172	2.572	102.9	0.816	467	True	0.22
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	3.88	130200	102579	4.968	99.4	0.788	722	True	0.27
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	3.88	127000	283701	14.077	112.6	0.893	728	True	0.25
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	3.88	125500	544909	27.362	109.5	0.868	798	True	0.28
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	3.89	116300	1007846	54.624	109.3	0.867	715	True	0.27
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	3.88	128400	1203037	59.071	94.5	0.750	688	True	0.25

Analyte Name: NMeFOSAA
Regression Equation: Y = 0.793 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.015 Avg. RF = 0.793 RSD = 9.668 RSE = 9.668
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

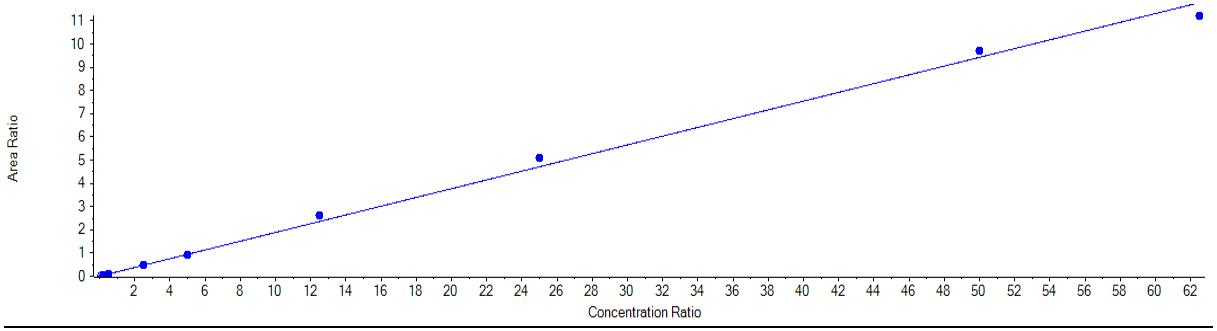
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: NEtFOSAA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	4.10	133000	1410	0.056	56.2	0.530	13	False	0.16
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	4.10	141200	4438	0.167	83.3	0.786	48	True	0.30
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	4.11	131000	12232	0.495	99.0	0.934	110	True	0.27
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	4.11	136600	64995	2.522	100.9	0.951	634	True	0.97
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	4.10	122700	114489	4.948	99.0	0.933	774	True	1.39
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	4.10	127300	334929	13.949	111.6	1.052	796	True	0.97
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	4.10	122100	621379	26.984	107.9	1.018	838	True	1.37
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	4.11	120100	1167719	51.561	103.1	0.972	712	True	1.09
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	4.09	123900	1389480	59.477	95.2	0.897	783	True	1.06

Analyte Name: NEtFOSAA
Regression Equation: Y = 0.943 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.016 Avg. RF = 0.943 RSD = 8.550 RSE = 8.550
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

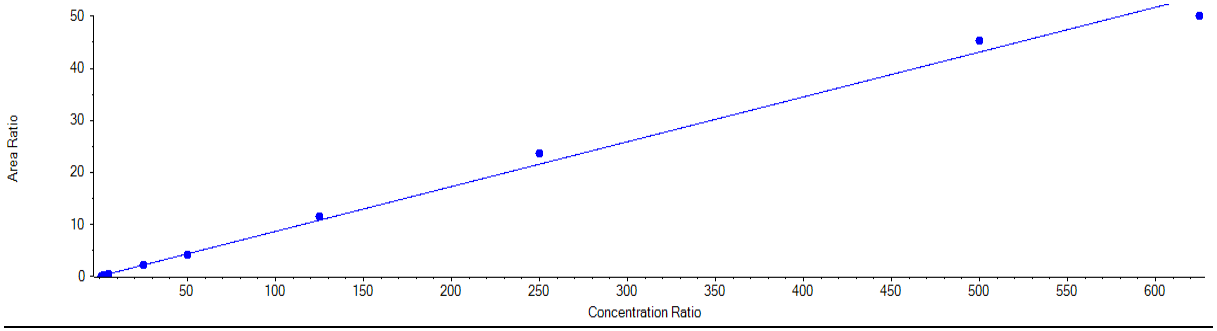
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: NMeFOSE

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	5.78	676600	56274	0.964	96.5	2.079	98	True	0.18
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	5.79	762700	125781	1.913	95.6	2.061	145	True	0.15
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	5.79	722400	301172	4.835	96.7	2.084	194	True	0.18
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	5.79	725000	1592600	25.476	101.9	2.197	238	True	0.18
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	5.78	657000	2668014	47.095	94.2	2.030	245	True	0.18
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	5.78	674800	7816980	134.346	107.5	2.317	249	True	0.19
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	5.78	630500	14889079	273.875	109.6	2.362	254	True	0.18
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	5.79	618800	28059218	525.890	105.2	2.267	236	True	0.19
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	5.78	656600	32888361	580.842	92.9	2.003	215	True	0.18

Analyte Name: NMeFOSE
Regression Equation: Y = 2.156 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.005 Avg. RF = 2.156 RSD = 6.164 RSE = 6.164
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

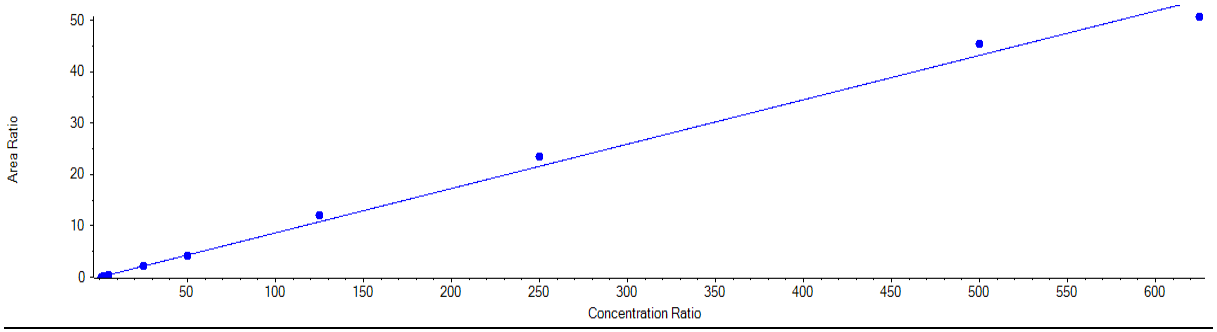
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: NEtFOSE

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	6.08	929700	74167	0.925	92.5	1.994	218	True	0.15
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	6.08	1004000	166415	1.921	96.1	2.072	303	True	0.17
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	6.09	979600	408894	4.838	96.8	2.087	398	True	0.13
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	6.09	993800	2112180	24.633	98.5	2.125	461	True	0.17
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	6.08	885200	3715574	48.653	97.3	2.099	396	True	0.15
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	6.08	895100	10703251	138.601	110.9	2.392	416	True	0.16
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	6.08	863500	20264011	271.994	108.8	2.347	386	True	0.15
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	6.09	825100	37471150	526.389	105.3	2.271	412	True	0.18
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	6.08	872300	44166730	586.881	93.9	2.025	401	True	0.15

Analyte Name: NEtFOSE
Regression Equation: Y = 2.157 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.006 Avg. RF = 2.157 RSD = 6.642 RSE = 6.642
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

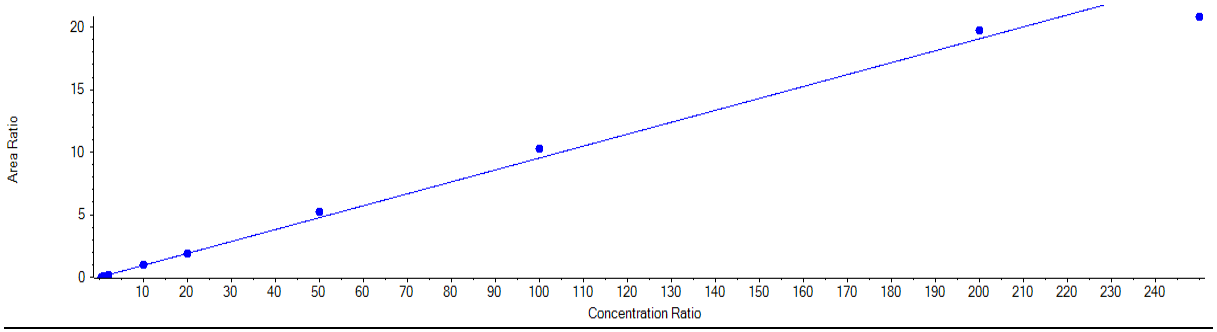
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: HFPO-DA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	2.02	1270000	44460	0.367	91.8	0.875	553	True	0.87
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	2.03	1414000	106038	0.787	98.3	0.938	1250	True	1.30
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	2.04	1319000	242802	1.930	96.5	0.920	3013	True	1.02
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	2.03	1363000	1384972	10.654	106.5	1.016	6756	True	0.99
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	2.03	1340000	2510344	19.651	98.3	0.937	6397	True	1.02
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	2.03	1327000	6943495	54.884	109.8	1.047	6030	True	1.10
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	2.02	1226000	12611640	107.902	107.9	1.029	151270	True	0.96
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	2.04	1186000	23407343	207.014	103.5	0.987	277774	True	0.95
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	2.02	1318000	27447876	218.389	87.4	0.833	321144	True	0.95

Analyte Name: HFPO-DA
Regression Equation: Y = 0.953 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.007 Avg. RF = 0.953 RSD = 7.566 RSE = 7.566
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

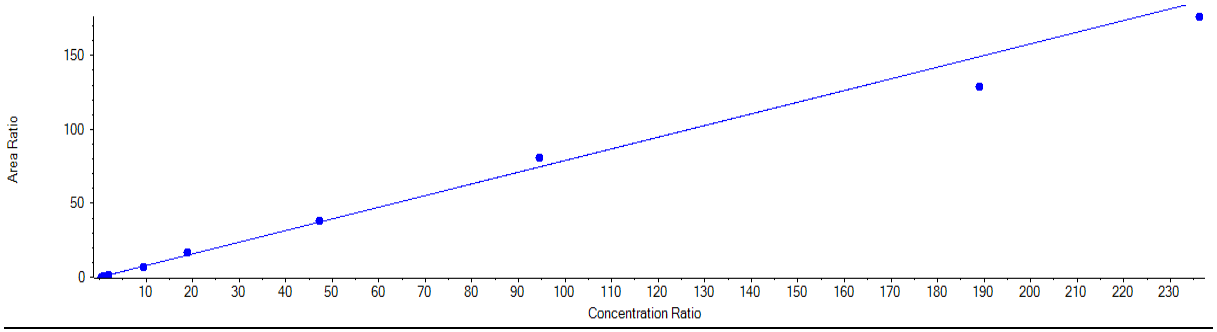
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: ADONA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	2.57	265300	87407	0.417	110.4	2.179	889	True	0.84
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	2.58	294200	178802	0.769	101.8	2.010	1927	True	0.78
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	2.59	286000	389056	1.723	91.1	1.799	4115	True	1.23
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	2.58	307400	2097600	8.640	91.4	1.805	23212	True	1.29
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	2.58	267900	4551354	21.509	113.8	2.247	48236	True	1.22
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	2.58	280100	10654135	48.155	101.9	2.012	114828	True	1.08
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	2.57	261500	21214625	102.711	108.7	2.146	224056	True	1.08
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	2.59	281000	36249877	163.357	86.4	1.707	114523	True	0.92
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	2.57	268800	47370223	223.107	94.4	1.865	366463	True	0.98

Analyte Name: ADONA
Regression Equation: Y = 1.974 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.076 Avg. RF = 1.974 RSD = 9.666 RSE = 9.666
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

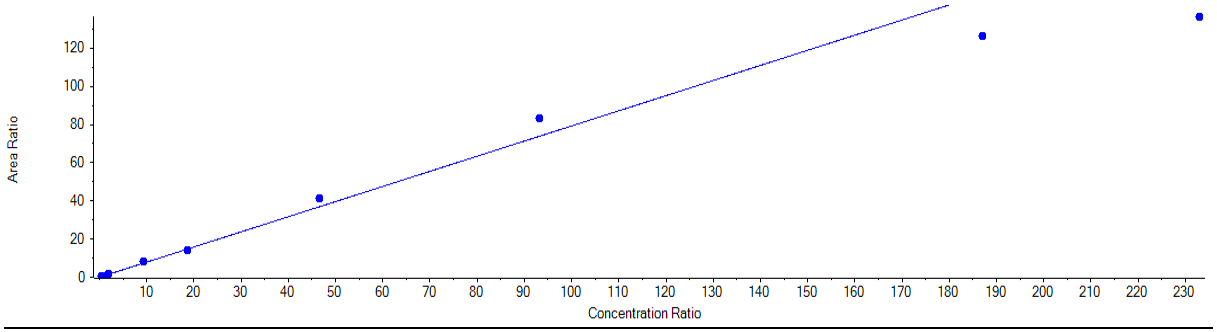
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: 9Cl-PF3ONS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	4.17	355800	111237	0.394	105.7	2.012	1408	True	0.89
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	4.18	407000	248939	0.771	103.4	1.968	2929	True	0.95
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	4.18	383500	581697	1.913	102.3	1.947	7213	True	1.12
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	4.18	383900	3106412	10.206	109.4	2.082	10504	True	0.94
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	4.17	386500	5508783	17.972	96.1	1.829	66018	True	1.22
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	4.17	356300	14697257	52.018	111.4	2.120	8128	True	1.38
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	4.17	322900	26878087	104.963	112.5	2.141	8966	True	1.20
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	4.18	326200	41294401	159.632	85.4	1.625	6012	True	1.04
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	4.17	342100	46680263	172.089	73.9	1.406	8377	True	0.94

Analyte Name: 9Cl-PF3ONS
Regression Equation: Y = 1.903 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.102 Avg. RF = 1.903 RSD = 12.923 RSE = 12.923
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

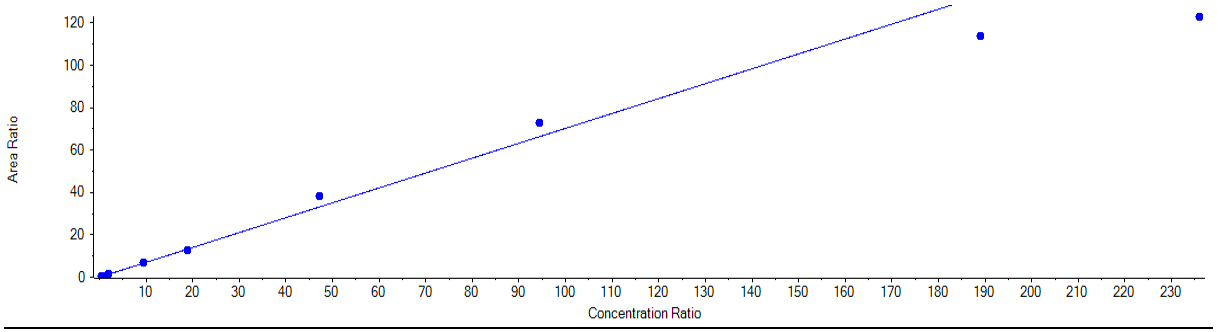
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: 11Cl-PF3OUdS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	4.96	355800	98485	0.394	104.6	1.762	2493	True	1.23
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	4.96	407000	227971	0.797	105.8	1.783	4294	True	1.26
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	4.97	383500	513340	1.906	100.8	1.700	4961	True	1.02
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	4.97	383900	2737469	10.154	107.7	1.815	8034	True	1.19
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	4.96	386500	4949802	18.232	96.5	1.626	11089	True	0.94
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	4.96	356300	13603433	54.359	115.2	1.941	8891	True	0.92
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	4.96	322900	23450162	103.393	109.6	1.848	8646	True	0.92
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	4.97	326200	37149744	162.141	85.8	1.446	7127	True	1.04
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	4.95	342100	42014679	174.875	74.1	1.249	7062	True	1.00

Analyte Name: 11Cl-PF3OUdS
Regression Equation: Y = 1.686 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.090 Avg. RF = 1.686 RSD = 12.854 RSE = 12.854
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

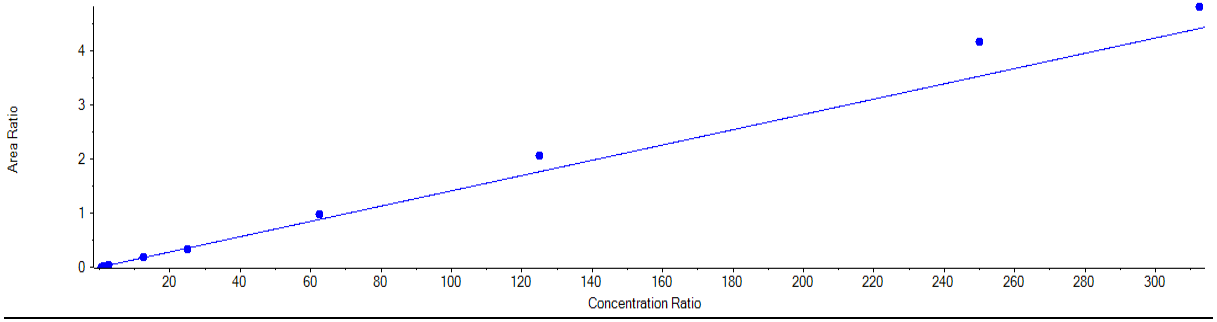
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: 3:3FTCA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	1.43	637800	3761	0.418	83.5	0.059	31	True	0.99
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	1.44	730900	7848	0.760	76.0	0.054	60	True	1.16
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	1.46	670500	21460	2.266	90.7	0.064	132	True	1.58
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	1.45	683300	121431	12.584	100.7	0.071	787	True	1.36
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	1.45	637300	210279	23.365	93.5	0.066	1412	True	1.34
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	1.45	627000	615920	69.561	111.3	0.079	2370	True	1.67
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	1.44	585700	1213842	146.753	117.4	0.083	2462	True	1.26
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	1.46	562100	2340103	294.802	117.9	0.083	2890	True	1.31
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	1.44	583200	2806459	340.754	109.0	0.077	2733	True	1.36

Analyte Name: 3:3FTCA
Regression Equation: Y = 0.071 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.002 Avg. RF = 0.071 RSD = 15.042 RSE = 15.042
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

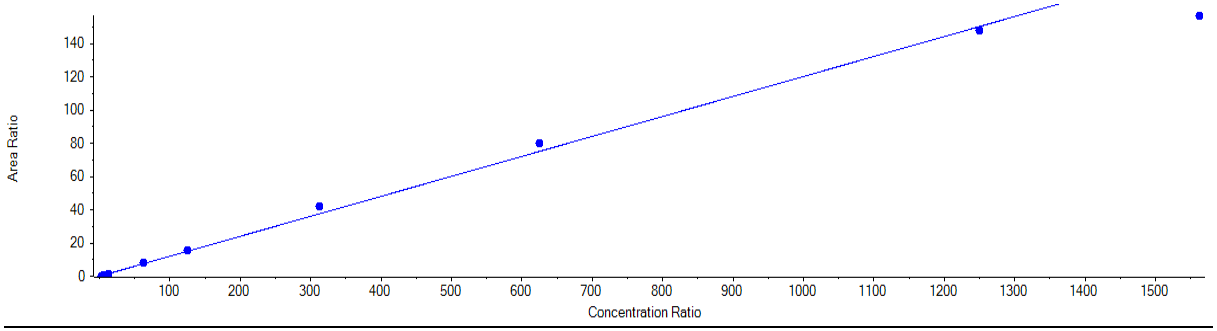
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: 5:3FTCA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	2.93	337300	93923	2.315	92.6	0.278	1025	True	1.39
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	2.94	371400	232264	5.200	104.0	0.313	2473	True	1.42
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	2.94	363500	507498	11.608	92.9	0.279	5664	True	1.04
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	2.94	352100	2856368	67.448	107.9	0.324	32348	True	1.19
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	2.93	319000	4922097	128.308	102.7	0.309	53800	True	1.19
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	2.94	324300	13616312	349.071	111.7	0.336	151138	True	1.01
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	2.93	316400	25317020	665.283	106.5	0.320	232637	True	1.15
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	2.95	310000	45858183	1229.908	98.4	0.296	37712	True	1.45
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	2.93	320000	50160572	1303.508	83.4	0.251	41175	True	1.06

Analyte Name: 5:3FTCA
Regression Equation: Y = 0.301 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.011 Avg. RF = 0.301 RSD = 8.993 RSE = 8.993
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

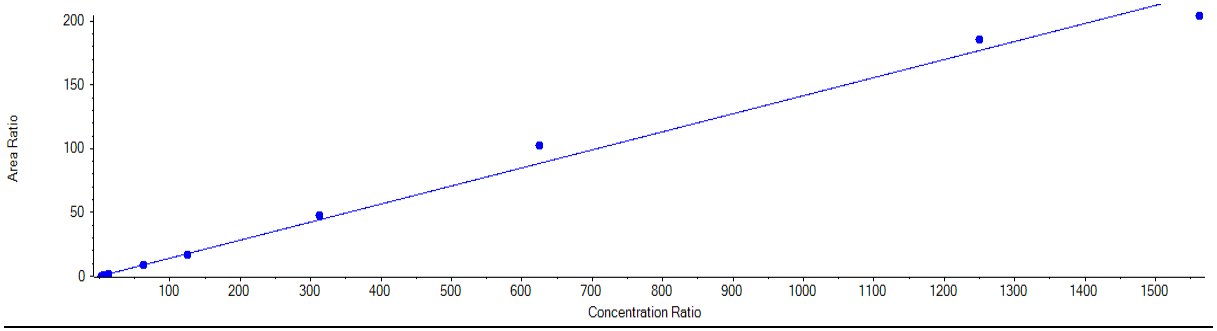
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: 7:3FTCA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	3.96	255600	83972	2.320	92.8	0.164	1083	True	1.32
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	3.97	282700	184161	4.601	92.0	0.163	2341	True	1.43
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	3.97	249700	458510	12.966	103.7	0.184	5734	True	1.03
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	3.97	277700	2360006	60.015	96.0	0.170	3489	True	1.42
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	3.96	268400	4424122	116.413	93.1	0.165	57642	True	1.18
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	3.97	257900	12400335	339.548	108.7	0.192	155988	True	0.99
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	3.97	234000	24088711	727.152	116.3	0.206	56310	True	1.31
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	3.98	232500	43202303	1312.514	105.0	0.186	36609	True	1.21
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	3.96	246400	50318083	1442.094	92.3	0.163	17939	True	1.08

Analyte Name: 7:3FTCA
Regression Equation: Y = 0.177 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.012 Avg. RF = 0.177 RSD = 8.796 RSE = 8.796
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

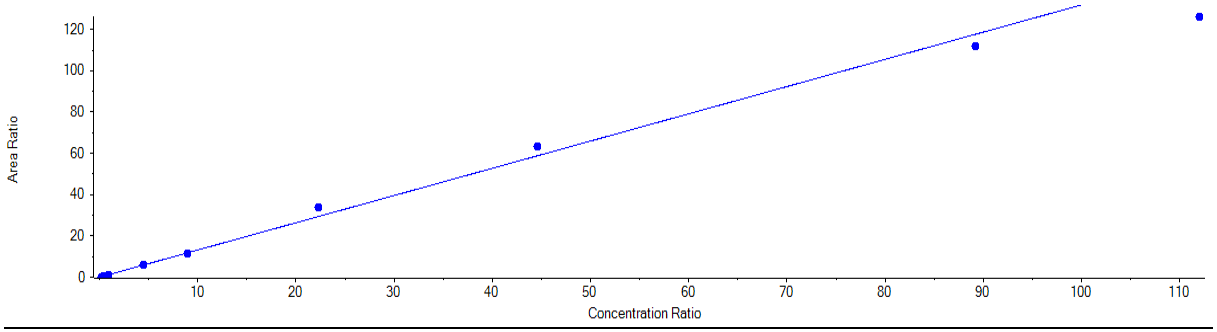
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: PFEESA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	2.10	337300	78446	0.176	99.0	3.266	956	True	0.95
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	2.11	371400	186018	0.380	106.3	3.507	2083	True	0.94
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	2.12	363500	393779	0.821	92.0	3.036	3726	True	0.99
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	2.12	352100	2081356	4.480	100.4	3.313	24749	True	1.06
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	2.11	319000	3729676	8.862	99.4	3.277	44049	True	1.06
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	2.11	324300	10995544	25.693	115.2	3.801	130931	True	1.14
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	2.11	316400	19978530	47.851	107.3	3.539	234772	True	1.07
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	2.13	310000	34661763	84.731	95.0	3.133	279011	True	0.96
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	2.11	320000	40356542	95.588	85.4	2.815	451297	True	1.05

Analyte Name: PFEESA
Regression Equation: Y = 3.299 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.117 Avg. RF = 3.299 RSD = 8.870 RSE = 8.870
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

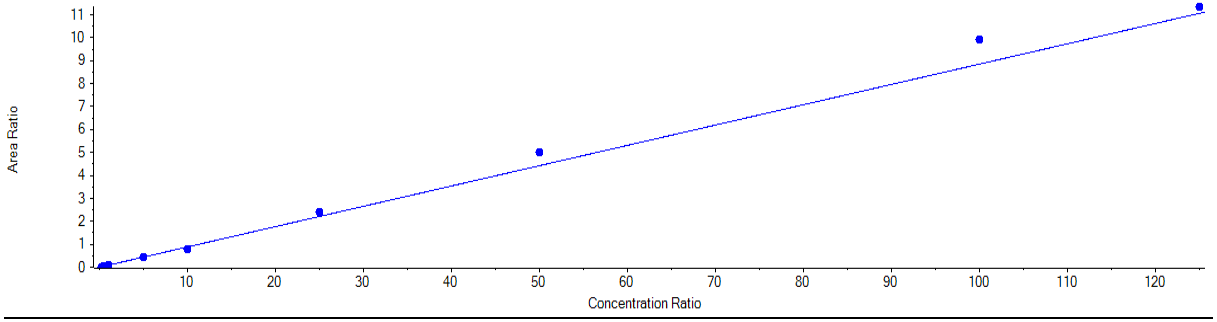
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: PFMPA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	0.69	1517000	24330	0.181	90.6	0.802	834	True	1.06
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	0.70	1701000	55497	0.369	92.2	0.816	1440	True	1.25
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	0.70	1582000	127253	0.909	90.9	0.805	4001	True	1.28
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	0.70	1616000	693087	4.845	96.9	0.858	6404	True	1.14
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	0.69	1504000	1216925	9.144	91.4	0.809	9010	True	1.47
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	0.70	1449000	3520544	27.450	109.8	0.972	14399	True	1.17
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	0.70	1297000	6528040	56.853	113.7	1.006	20184	True	1.12
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	0.71	1190000	11788195	111.904	111.9	0.990	22908	True	1.16
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	0.69	1240000	14063088	128.175	102.5	0.907	22150	True	1.46

Analyte Name: PFMPA
Regression Equation: Y = 0.885 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.009 Avg. RF = 0.885 RSD = 9.661 RSE = 9.661
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

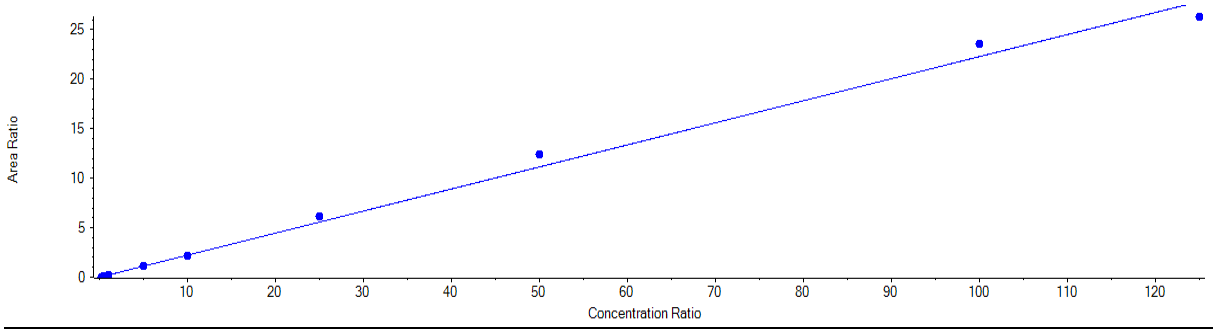
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: PFMBA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	1.33	637800	27180	0.191	95.6	1.065	756	True	1.34
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	1.34	730900	60819	0.373	93.4	1.040	1677	True	1.19
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	1.35	670500	143322	0.959	95.9	1.069	3827	True	1.26
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	1.35	683300	739510	4.857	97.1	1.082	20099	True	1.22
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	1.34	637300	1360392	9.579	95.8	1.067	33309	True	1.26
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	1.35	627000	3850108	27.556	110.2	1.228	100546	True	0.97
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	1.33	585700	7277500	55.759	111.5	1.243	90496	True	1.22
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	1.35	562100	13278446	106.010	106.0	1.181	77478	True	1.06
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	1.33	583200	15338223	118.021	94.4	1.052	50514	True	1.40

Analyte Name: PFMBA
Regression Equation: Y = 1.114 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.016 Avg. RF = 1.114 RSD = 7.161 RSE = 7.161
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

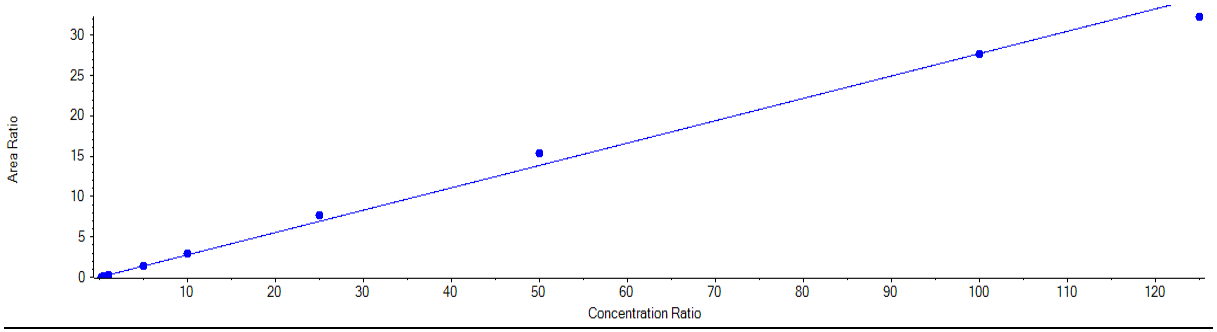
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: NFDHA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	1.74	337300	17724	0.190	94.8	0.657	262	True	0.87
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	1.74	371400	38545	0.374	93.6	0.649	567	True	1.14
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	1.76	363500	93584	0.929	92.9	0.644	1345	True	1.40
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	1.75	352100	483159	4.950	99.0	0.686	4541	True	1.10
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	1.75	319000	934389	10.568	105.7	0.732	7607	True	1.17
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	1.75	324300	2476750	27.548	110.2	0.764	11493	True	1.33
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	1.74	316400	4869449	55.517	111.0	0.769	67986	True	1.42
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	1.76	310000	8568268	99.701	99.7	0.691	8481	True	1.09
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	1.74	320000	10327901	116.443	93.2	0.646	9952	True	1.48

Analyte Name: NFDHA
Regression Equation: Y = 0.693 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.020 Avg. RF = 0.693 RSD = 7.288 RSE = 7.288
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

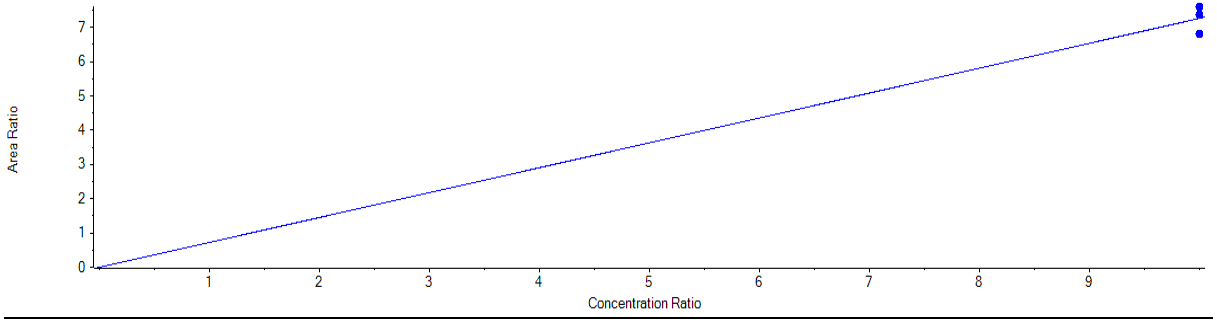
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: TDCA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	2.57	355800	2704290	10.463	104.6	1.824	7909	True	1.31
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	N/A	407000	N/A	N/A	N/A	N/A	N/A	False	N/A
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	N/A	383500	N/A	N/A	N/A	N/A	N/A	False	N/A
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	N/A	383900	N/A	N/A	N/A	N/A	N/A	False	N/A
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	2.57	386500	2633734	9.379	93.8	1.635	9725	True	1.17
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	N/A	356300	N/A	N/A	N/A	N/A	N/A	False	N/A
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	N/A	322900	N/A	N/A	N/A	N/A	N/A	False	N/A
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	N/A	326200	N/A	N/A	N/A	N/A	N/A	False	N/A
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	2.57	342100	2524140	10.157	101.6	1.771	8641	True	1.55

Analyte Name: TDCA
Regression Equation: Y = 1.743 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.041 Avg. RF = 1.743 RSD = 5.589 RSE = 0.000
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

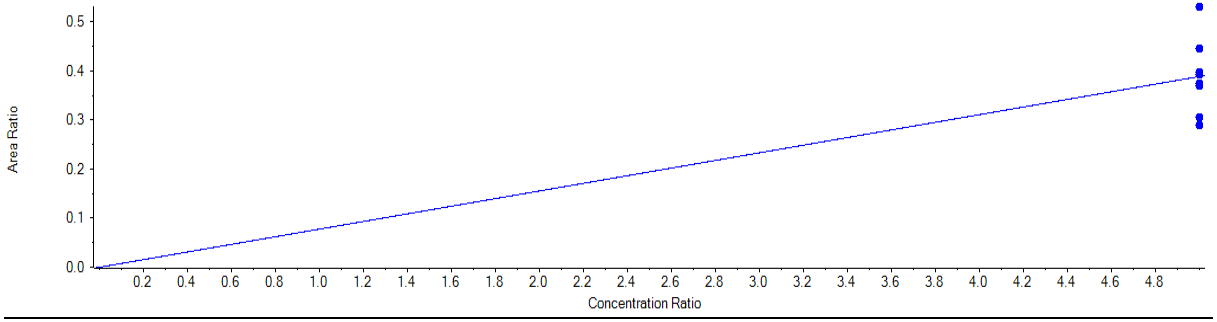
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: 13C2D4-4:2FTS

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	1.59	246100	96621	5.049	101.0	0.186	2025	True	1.11
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	1.60	302900	160729	6.826	136.5	0.252	3362	True	1.46
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	1.62	280500	110311	5.058	101.2	0.186	2195	True	0.92
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	1.61	301000	92216	3.940	78.8	0.145	1901	True	1.00
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	1.61	261100	116377	5.732	114.6	0.211	2398	True	1.03
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	1.61	289600	83917	3.727	74.5	0.137	1674	True	1.27
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	1.60	274300	102499	4.807	96.1	0.177	2024	True	1.06
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	1.62	262900	104342	5.104	102.1	0.188	2040	True	1.02
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	1.60	270400	100008	4.757	95.1	0.175	2058	True	1.14

Analyte Name: 13C2D4-4:2FTS
Regression Equation: Y = 0.184 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.014 Avg. RF = 0.184 RSD = 18.339 RSE = 0.000
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

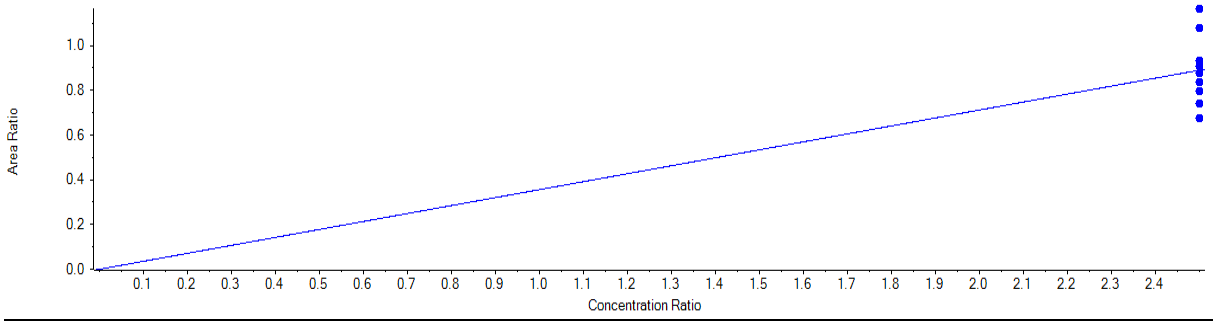
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241112_1633_ICAL

Compound Name: 13C2-PFOA

Sample File	Sample ID	Acquisition Date and Time	RT	IS Peak Area	Peak Area	Calculated Concentration (ng/ml)	Percent Recovery	RRF	Signal to Noise	Used	b/a
SCI09_241112_16.wiff2	IA1633STD-.1	11/12/2024 1:47:27 PM	2.87	336500	267745	2.236	89.4	0.796	3212	True	1.10
SCI09_241112_17.wiff2	IA1633STD-.2	11/12/2024 1:56:23 PM	2.88	403300	469503	3.270	130.8	1.164	5733	True	1.28
SCI09_241112_18.wiff2	IA1633STD-.5	11/12/2024 2:05:17 PM	2.89	352000	319597	2.550	102.0	0.908	3979	True	1.38
SCI09_241112_19.wiff2	IA1633STD-2.5	11/12/2024 2:14:11 PM	2.88	371800	275001	2.078	83.1	0.740	3331	True	0.96
SCI09_241112_20.wiff2	IA1633STD-5	11/12/2024 2:23:07 PM	2.88	332300	357849	3.025	121.0	1.077	4455	True	1.44
SCI09_241112_21.wiff2	IA1633STD-12.5	11/12/2024 2:32:02 PM	2.88	364400	246526	1.901	76.0	0.677	3062	True	1.39
SCI09_241112_22.wiff2	IA1633STD-25	11/12/2024 2:40:57 PM	2.88	354100	330806	2.624	105.0	0.934	4137	True	0.93
SCI09_241112_23.wiff2	IA1633STD-50	11/12/2024 2:49:54 PM	2.89	364200	304489	2.348	93.9	0.836	3814	True	1.11
SCI09_241112_24.wiff2	IA1633STD-62.5	11/12/2024 2:58:48 PM	2.87	364900	320540	2.468	98.7	0.879	3971	True	1.24

Analyte Name: 13C2-PFOA
Regression Equation: Y = 0.890 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.062 Avg. RF = 0.890 RSD = 17.425 RSE = 0.000
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Type	Name	IA1633FSTD-.1	IA1633FSTD-.2	IA1633FSTD-.5	IA1633FSTD-2.5	IA1633FSTD-5	IA1633FSTD-12.5	IA1633FSTD-25	IA1633FSTD-50	IA1633FSTD-62.5	AVG RF	RSD
EIS	13C4-PFBA	1.175	1.157	1.163	1.132	1.238	1.114	1.079	1.128	1.137	1.147	3.875
EIS	13C5-PFPeA	0.911	0.91	0.867	0.841	0.908	0.762	0.83	0.84	0.818	0.854	5.892
EIS	13C5-PFHxA	0.964	0.925	0.94	0.867	0.909	0.788	0.897	0.926	0.898	0.901	5.65
EIS	13C4-PFHpA	0.758	0.733	0.74	0.756	0.763	0.681	0.741	0.839	0.754	0.752	5.478
EIS	13C8-PFOA	1.716	1.482	1.65	1.691	1.692	1.411	1.567	1.462	1.439	1.568	7.785
EIS	13C9-PFNA	1.041	0.996	0.957	1.031	1.121	0.966	0.966	0.997	0.964	1.004	5.282
EIS	13C6-PFDA	1.061	1.043	1.09	1.053	1.194	1.047	1.016	0.982	0.994	1.053	5.94
EIS	13C7-PFUnA	1.238	1.245	1.251	1.19	1.29	1.162	1.105	1.037	0.999	1.169	8.716
EIS	13C2-PFDoA	1.271	1.282	1.262	1.189	1.4	1.25	1.205	1.225	1.16	1.249	5.551
EIS	13C2-PFTeDA	0.924	0.94	0.945	0.938	0.989	0.892	0.913	0.92	0.88	0.927	3.451
EIS	13C3-PFBS	1.525	1.423	1.31	1.205	1.309	1.182	1.19	1.182	1.203	1.281	9.605
EIS	13C3-PFHxS	1.273	1.159	1.157	1.139	1.193	1.076	0.997	1.12	1.104	1.135	6.767
EIS	13C8-PFOS	1.161	1.226	1.293	1.2	1.352	1.157	1.09	1.181	1.183	1.205	6.461
EIS	13C2-4:2FTS	0.188	0.181	0.176	0.171	0.185	0.167	0.172	0.176	0.186	0.178	4.17
EIS	13C2-6:2FTS	0.162	0.152	0.152	0.138	0.162	0.146	0.158	0.171	0.178	0.158	7.81
EIS	13C2-8:2FTS	0.197	0.176	0.179	0.17	0.186	0.17	0.187	0.203	0.215	0.187	8.143
EIS	13C8-PFOSA	2.036	2.078	2.147	2	2.136	1.953	1.964	2.032	2.069	2.046	3.356
EIS	d3-NMeFOSA	0.333	0.336	0.333	0.327	0.331	0.313	0.328	0.359	0.352	0.335	4.055
EIS	d5-NEtFOSA	0.29	0.299	0.304	0.3	0.311	0.298	0.295	0.324	0.317	0.304	3.658
EIS	d3-NMeFOSAA	0.209	0.205	0.218	0.207	0.219	0.198	0.203	0.202	0.213	0.208	3.443
EIS	d5-NEtFOSAA	0.208	0.204	0.212	0.205	0.206	0.198	0.198	0.209	0.206	0.205	2.26
EIS	d7-NMeFOSE	0.212	0.22	0.234	0.218	0.221	0.21	0.204	0.215	0.218	0.217	3.81
EIS	d9-NEtFOSE	0.291	0.29	0.317	0.298	0.297	0.279	0.28	0.287	0.29	0.292	3.923
EIS	13C3-HFPO-DA	0.907	0.88	0.853	0.839	0.954	0.806	0.869	0.886	0.924	0.880	5.132
NIS	13C3-PFBA	1.018	1.16	1.073	1.126	0.958	1.026	0.948	0.832	0.86	1.000	11.179
NIS	13C2-PFHxA	0.94	1.078	1.038	1.091	0.943	1.106	0.947	0.899	0.957	1.000	7.809
NIS	13C4-PFOA	0.934	1.119	0.977	1.032	0.922	1.011	0.983	1.011	1.012	1.000	5.798
NIS	13C5-PFNA	0.962	1.112	1.023	1.055	0.938	1.046	0.949	0.913	1.001	1.000	6.471
NIS	13C2-PFDA	1.004	1.128	1.054	1.09	0.89	0.995	0.947	0.912	0.981	1.000	7.926
NIS	18O2-PFHxS	0.89	1.095	1.014	1.088	0.944	1.047	0.992	0.951	0.978	1.000	6.847
NIS	13C4-PFOS	1.018	1.103	0.985	1.062	0.949	1.023	0.984	0.917	0.96	1.000	5.78

Initial Calibration Report

SCIEX OS Version 3.3.1.43

Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2
Last Altered: 11/12/2024 3:24:58 PM
Generated: 11/12/2024 2:03:37 PM

Analyte	Expected Ratio	Lower Limt	Upper Limt	NIS Analyte	AVG. NIS Area
PFBA	N/A	N/A	N/A	13C3-PFBA	634052
PFPeA	N/A	N/A	N/A	13C2-PFHxA	372348
PFHxA	0.089	0.0445	0.1335	13C4-PFOA	360402
PFHpA	0.384	0.192	0.576	13C5-PFNA	255267
PFOA	0.41	0.205	0.615	13C2-PFDA	263623
PFNA	0.341	0.1705	0.5115	18O2-PFHxS	276538
PFDA	0.215	0.1075	0.3225	13C4-PFOS	301198
PFUnA	0.151	0.0755	0.2265	N/A	N/A
PFDoA	0.14	0.07	0.21	N/A	N/A
PFTrDA	0.159	0.0795	0.2385	N/A	N/A
PFTeDA	0.159	0.0795	0.2385	N/A	N/A
PFBS	0.398	0.199	0.597	N/A	N/A
PFPeS	0.285	0.1425	0.4275	N/A	N/A
PFHxS	0.293	0.1465	0.4395	N/A	N/A
PFHpS	0.308	0.154	0.462	N/A	N/A
PFOS	0.241	0.1205	0.3615	N/A	N/A
PFNS	0.299	0.1495	0.4485	N/A	N/A
PFDS	0.274	0.137	0.411	N/A	N/A
PFDoS	0.247	0.1235	0.3705	N/A	N/A
4:2FTS	0.634	0.317	0.951	N/A	N/A
6:2FTS	0.609	0.3045	0.9135	N/A	N/A
8:2FTS	0.681	0.3405	1.0215	N/A	N/A
PFOSA	0.024	0.012	0.036	N/A	N/A
NMeFOSA	1.421	0.7105	2.1315	N/A	N/A
NEtFOSA	1.258	0.629	1.887	N/A	N/A
NMeFOSAA	0.683	0.3415	1.0245	N/A	N/A
NEtFOSAA	0.571	0.2855	0.8565	N/A	N/A
NMeFOSE	N/A	N/A	N/A	N/A	N/A
NEtFOSE	N/A	N/A	N/A	N/A	N/A
HFPO-DA	0.51	0.255	0.765	N/A	N/A
ADONA	0.636	0.318	0.954	N/A	N/A
9Cl-PF3ONS	0.326	0.163	0.489	N/A	N/A
11Cl-PF3OUdS	0.318	0.159	0.477	N/A	N/A
3:3FTCA	1.068	0.534	1.602	N/A	N/A
5:3FTCA	1.045	0.5225	1.5675	N/A	N/A
7:3FTCA	1.285	0.6425	1.9275	N/A	N/A
PFEESA	0.081	0.0405	0.1215	N/A	N/A
PFMPA	N/A	N/A	N/A	N/A	N/A
PFMBA	N/A	N/A	N/A	N/A	N/A
NFDHA	0.681	0.3405	1.0215	N/A	N/A
TDCA	5.357	2.6785	8.0355	N/A	N/A

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

Method: EPA1633F.qmethod
Calibration: 241112_1633_ICAL

ID: IA1633STD-.1
Name: SCI09_241112_16.wiff2
Date & Time: 2024-11-12T13:47:27
Description: WG1996415
Instrument: SCIEX Triple Quad 5500+
User: LCMS09:PNB

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.54	213.0 / 169.0	53618		0.415	N/A	N/A	N/A	103.7
2	PFPeA	2706-90-3	1.07	263.0 / 219.0	21381		0.191	0.014	N/A	N/A	95.7
3	PFPeA_2	2706-90-3	1.07	263.0 / 68.9	306	M2	0.314	0.014	N/A	N/A	157.2
4	PFHxA	307-24-4	1.81	313.0 / 269.0	14817		0.096	0.122	0.089	Pass	95.8
5	PFHxA_2	307-24-4	1.81	313.0 / 119.0	1804		0.128	0.122	0.089	Pass	128.4
6	PFHpA	375-85-9	2.39	363.1 / 319.0	13787		0.085	0.427	0.384	Pass	85.4
7	PFHpA_2	375-85-9	2.39	363.1 / 169.0	5893		0.094	0.427	0.384	Pass	93.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	2.87	413.1 / 369.1	18961	M5	0.102	0.422	0.410	Pass	101.6
9	PFOA_2	335-67-1	2.88	413.1 / 169.0	7992	M5	0.105	0.422	0.410	Pass	104.7
10	PFNA	375-95-1	3.32	462.8 / 418.9	19063	M5	0.105	0.387	0.341	Pass	105.1
11	PFNA_2	375-95-1	3.31	462.8 / 219.0	7369	M5	0.118	0.387	0.341	Pass	117.9
12	PFDA	335-76-2	3.75	513.1 / 469.1	19381		0.102	0.202	0.215	Pass	101.9
13	PFDA_2	335-76-2	3.75	513.1 / 219.0	3918		0.109	0.202	0.215	Pass	109.4
14	PFUnA	2058-94-8	4.15	563.1 / 519.1	18116		0.085	0.168	0.151	Pass	85.0
15	PFUnA_2	2058-94-8	4.16	563.1 / 269.0	3037		0.096	0.168	0.151	Pass	95.7
16	PFDoA	307-55-1	4.55	613.1 / 569.1	24061		0.102	0.136	0.140	Pass	101.8
17	PFDoA_2	307-55-1	4.55	613.1 / 319.0	3281		0.099	0.136	0.140	Pass	98.8
18	PFTrDA	72629-94-8	4.93	663.1 / 619.1	20931		0.097	0.146	0.159	Pass	97.3
19	PFTrDA_2	72629-94-8	4.92	663.1 / 169.0	3046		0.091	0.146	0.159	Pass	91.5
20	PFTeDA	376-06-7	5.29	713.1 / 669.1	18994		0.098	0.147	0.159	Pass	98.4
21	PFTeDA_2	376-06-7	5.29	713.1 / 169.0	2791		0.090	0.147	0.159	Pass	90.4
22	PFBS	375-73-5	1.80	299.1 / 80.1	14094		0.089	0.303	0.398	Pass	99.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	1.80	299.1 / 99.1	4271		0.077	0.303	0.398	Pass	82.2
24	PFPeS	2706-91-4	2.44	349.1 / 80.1	12490		0.088	0.339	0.285	Pass	93.9
25	PFPeS_2	2706-91-4	2.44	349.1 / 99.1	4235		0.096	0.339	0.285	Pass	101.7
26	PFHxS	355-46-4	2.97	399.1 / 80.1	14601	M5	0.107	0.235	0.293	Pass	118.1
27	PFHxS_2	355-46-4	2.97	399.1 / 99.1	3426	M5	0.088	0.235	0.293	Pass	96.4
28	PFHpS	375-92-8	3.45	449.1 / 80.1	11214		0.083	0.281	0.308	Pass	87.4
29	PFHpS_2	375-92-8	3.44	449.1 / 99.1	3156		0.080	0.281	0.308	Pass	84.3
30	PFOS	1763-23-1	3.89	499.1 / 80.1	18696	M5	0.119	0.199	0.241	Pass	128.3
31	PFOS_2	1763-23-1	3.89	499.1 / 99.1	3718	M5	0.098	0.199	0.241	Pass	105.3
32	PFNS	68259-12-1	4.30	549.1 / 80.1	9726		0.086	0.295	0.299	Pass	89.9
33	PFNS_2	68259-12-1	4.31	549.1 / 99.1	2870		0.087	0.295	0.299	Pass	91.0
34	PFDS	335-77-3	4.70	599.1 / 80.1	11815		0.099	0.274	0.274	Pass	102.7
35	PFDS_2	335-77-3	4.70	599.1 / 99.1	3240		0.095	0.274	0.274	Pass	98.6
36	PFDoS	79780-39-5	5.43	699.2 / 80.1	9317		0.089	0.246	0.247	Pass	92.1
37	PFDoS_2	79780-39-5	5.43	699.2 / 99.1	2296		0.086	0.246	0.247	Pass	88.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	1.60	327.1 / 307.1	12772		0.416	0.634	0.634	Pass	111.1
39	4:2FTS_2	757124-72-4	1.61	327.1 / 81.1	8103		0.418	0.634	0.634	Pass	111.5
40	6:2FTS	27619-97-2	2.69	427.2 / 407.2	9318		0.355	0.726	0.609	Pass	93.4
41	6:2FTS_2	27619-97-2	2.69	427.2 / 81.1	6767		0.415	0.726	0.609	Pass	109.1
42	8:2FTS	39108-34-4	3.56	527.2 / 507.2	9931		0.388	0.504	0.681	Pass	101.1
43	8:2FTS_2	39108-34-4	3.56	527.2 / 81.1	5010		0.302	0.504	0.681	Pass	78.7
44	PFOSA	754-91-6	5.17	498.1 / 78.1	20091	M5	0.098	0.026	0.024	Pass	98.3
45	PFOSA_2	754-91-6	5.17	498.1 / 478.0	517	M5	0.103	0.026	0.024	Pass	102.5
46	NMeFOSA	31506-32-8	5.92	512.2 / 219.0	4102	M5	0.090	1.731	1.421	Pass	89.5
47	NMeFOSA_2	31506-32-8	5.87	512.2 / 169.0	7099	M5	0.108	1.731	1.421	Pass	107.7
48	NEtFOSA	4151-50-2	6.21	526.2 / 219.0	4280	M5	0.104	1.245	1.258	Pass	104.0
49	NEtFOSA_2	4151-50-2	6.16	526.2 / 169.0	5327	M5	0.100	1.245	1.258	Pass	100.2
50	NMeFOSAA	2355-31-9	3.88	570.2 / 419.1	1754	M5	0.083	0.722	0.683	Pass	82.9
51	NMeFOSAA_2	2355-31-9	3.88	570.2 / 483.0	1266	M5	0.085	0.722	0.683	Pass	85.4
52	NEtFOSAA	2991-50-6	4.10	584.2 / 419.1	1410	M5	0.056	0.934	0.571	Fail	56.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.10	584.2 / 526.2	1317	M5	0.090	0.934	0.571	Fail	90.3
54	NMeFOSE	24448-09-7	5.78	616.1 / 58.9	56274	M5	0.964	N/A	N/A	N/A	96.5
55	NEtFOSE	1691-99-2	6.08	630.0 / 58.9	74167	M5	0.925	N/A	N/A	N/A	92.5
56	HFPO-DA	13252-13-6	2.02	285.0 / 169.0	44460		0.367	0.593	0.510	Pass	91.8
57	HFPO-DA_2	13252-13-6	2.02	285.0 / 184.9	26381		0.406	0.593	0.510	Pass	101.6
58	ADONA	919005-14-4	2.57	376.9 / 251.0	87407		0.417	0.627	0.636	Pass	110.4
59	ADONA_2	919005-14-4	2.57	376.9 / 84.8	54826		0.344	0.627	0.636	Pass	91.0
60	9Cl-PF3ONS	756426-58-1	4.17	530.8 / 351.1	111237		0.394	0.328	0.326	Pass	105.7
61	9Cl-PF3ONS_2	756426-58-1	4.17	532.8 / 353.0	36499		0.387	0.328	0.326	Pass	103.8
62	11Cl-PF3OUdS	763051-92-9	4.96	630.9 / 451.0	98485		0.394	0.315	0.318	Pass	104.6
63	11Cl-PF3OUdS_2	763051-92-9	4.96	632.9 / 452.9	30990		0.387	0.315	0.318	Pass	102.7
64	3:3FTCA	356-02-5	1.43	241.1 / 177.1	3761		0.418	1.081	1.068	Pass	83.5
65	3:3FTCA_2	356-02-5	1.43	241.1 / 117.0	4064		0.421	1.081	1.068	Pass	84.2
66	5:3FTCA	914637-49-3	2.93	341.1 / 237.1	93923		2.315	0.993	1.045	Pass	92.6
67	5:3FTCA_2	914637-49-3	2.92	341.1 / 217.0	93233		2.248	0.993	1.045	Pass	89.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	3.96	441.1 / 316.9	83972		2.320	1.410	1.285	Pass	92.8
69	7:3FTCA_2	812-70-4	3.96	441.1 / 337.1	118389		2.522	1.410	1.285	Pass	100.9
70	PFEESA	113507-82-7	2.10	315.1 / 135.0	78446		0.176	0.085	0.081	Pass	99.0
71	PFEESA_2	113507-82-7	2.11	315.1 / 82.9	6657		0.184	0.085	0.081	Pass	103.5
72	PFMPA	377-73-1	0.69	229.0 / 85.0	24330		0.181	N/A	N/A	N/A	90.6
73	PFMBA	863090-89-5	1.33	279.0 / 85.0	27180		0.191	N/A	N/A	N/A	95.6
74	NFDHA	151772-58-6	1.74	295.0 / 201.0	17724		0.190	0.649	0.681	Pass	94.8
75	NFDHA_2	151772-58-6	1.73	295.0 / 84.9	11507		0.171	0.649	0.681	Pass	85.4
76	TDCA	516-50-7	2.57	499.1 / 124.1	2704290		10.463	5.221	5.357	Pass	104.6
77	TDCA_2	516-50-7	2.57	499.1 / 79.9	14117760		10.320	5.221	5.357	Pass	103.2
78	13C2D4-4:2FTS	Surr	1.59	333.2 / 312.1	96621		5.049	N/A	N/A	N/A	101.0
79	13C2-PFOA	Surr	2.87	415.0 / 370.0	267745		2.236	N/A	N/A	N/A	89.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.54	217.0 / 172.0	1516555		10.241	NA	NA	NA	102.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.06	268.0 / 223.0	637751		5.334	NA	NA	NA	106.7
	13C5-PFHxA	EIS	1.80	318.0 / 273.0	337323		2.674	NA	NA	NA	107.0
	13C4-PFHpA	EIS	2.38	367.0 / 322.0	265284		2.520	NA	NA	NA	100.8
	13C8-PFOA	EIS	2.87	420.8 / 376.0	577295		2.736	NA	NA	NA	109.4
	13C9-PFNA	EIS	3.32	472.0 / 427.0	255642		1.296	NA	NA	NA	103.6
	13C6-PFDA	EIS	3.74	519.0 / 474.0	280848		1.259	NA	NA	NA	100.8
	13C7-PFUnA	EIS	4.15	570.0 / 525.0	327683		1.324	NA	NA	NA	105.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.54	615.1 / 570.0	336494		1.272	NA	NA	NA	101.8
	13C2-PFTeDA	EIS	5.28	715.1 / 670.1	244494		1.245	NA	NA	NA	99.6
	13C3-PFBS	EIS	1.80	302.1 / 80.1	369085		2.774	NA	NA	NA	119.1
	13C3-PFHxS	EIS	2.97	402.1 / 80.1	313279		2.658	NA	NA	NA	112.1
	13C8-PFOS	EIS	3.88	507.1 / 80.1	355781		2.312	NA	NA	NA	96.3
	13C2-4:2FTS	EIS	1.60	329.1 / 81.1	91507		4.950	NA	NA	NA	105.6
	13C2-6:2FTS	EIS	2.69	429.2 / 81.1	79972		4.874	NA	NA	NA	102.4
	13C2-8:2FTS	EIS	3.56	529.2 / 81.1	98266		5.060	NA	NA	NA	105.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	5.17	506.1 / 78.1	650144		2.488	NA	NA	NA	99.5
	d3-NMeFOSA	EIS	5.91	515.2 / 219.0	106167		2.482	NA	NA	NA	99.3
	d5-NEtFOSA	EIS	6.20	531.2 / 219.0	92430		2.381	NA	NA	NA	95.2
	d3-NMeFOSAA	EIS	3.88	573.2 / 419.1	133419		5.023	NA	NA	NA	100.5
	d5-NEtFOSAA	EIS	4.09	589.3 / 419.1	133019		5.081	NA	NA	NA	101.6
	d7-NMeFOSE	EIS	5.76	623.2 / 58.9	676633		24.417	NA	NA	NA	97.7
	d9-NEtFOSE	EIS	6.06	639.2 / 58.9	929655		24.930	NA	NA	NA	99.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.02	287.0 / 169.0	1269809		10.306	NA	NA	NA	103.1
	13C3-PFBA	NIS	0.54	216.0 / 172.0	645513		5.090	NA	NA	NA	101.8
	13C2-PFHxA	NIS	1.80	315.0 / 270.0	350019		2.350	NA	NA	NA	94.0
	13C4-PFOA	NIS	2.87	417.0 / 372.0	336457		2.334	NA	NA	NA	93.4
	13C5-PFNA	NIS	3.32	468.0 / 423.0	245678		1.203	NA	NA	NA	96.2
	13C2-PFDA	NIS	3.74	515.1 / 470.1	264702		1.255	NA	NA	NA	100.4
	18O2-PFHxS	NIS	2.97	403.1 / 84.1	246122		2.109	NA	NA	NA	89.0
	13C4-PFOS	NIS	3.88	503.1 / 80.1	306493		2.442	NA	NA	NA	101.8

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	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec

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PFBA
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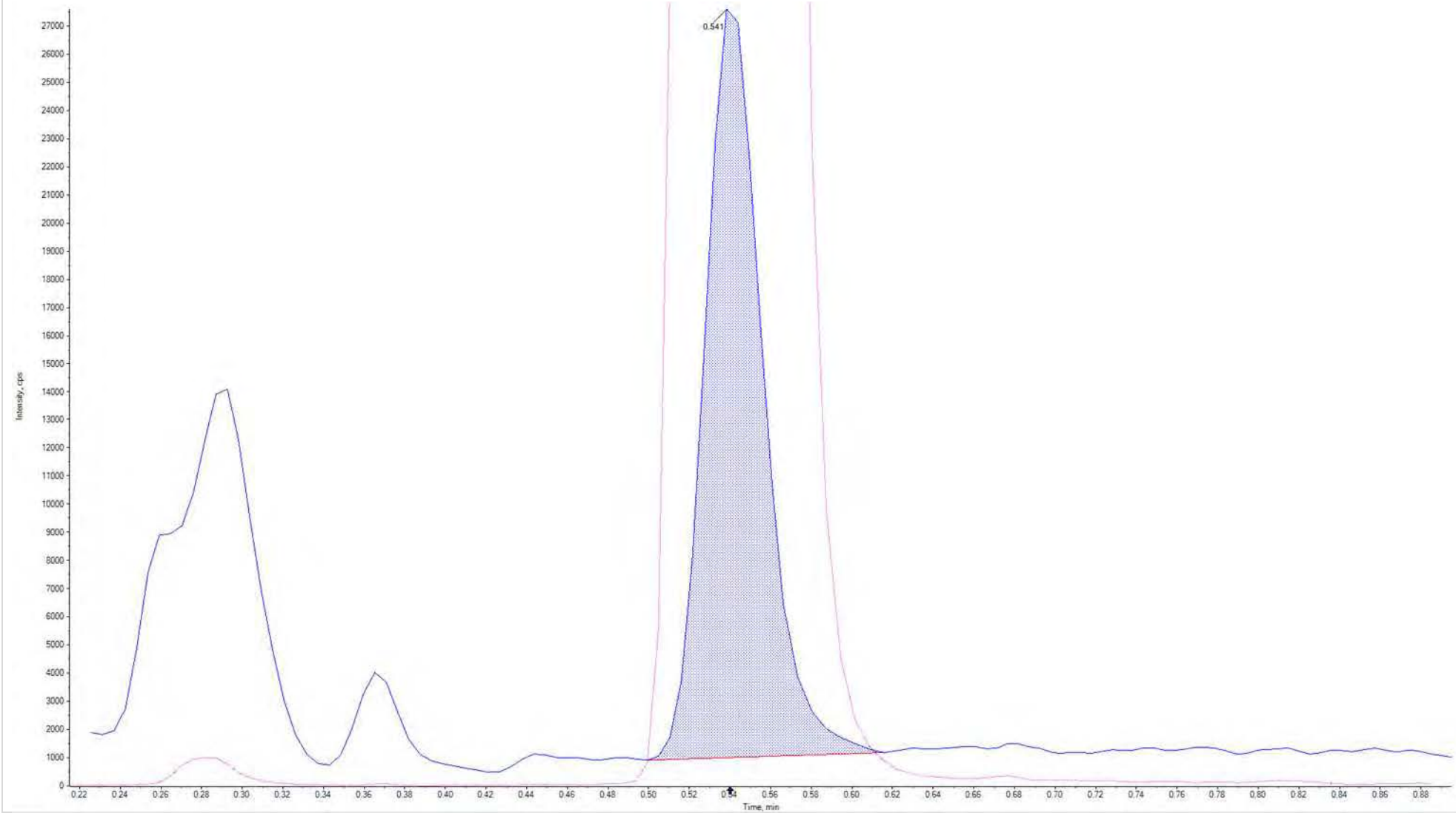

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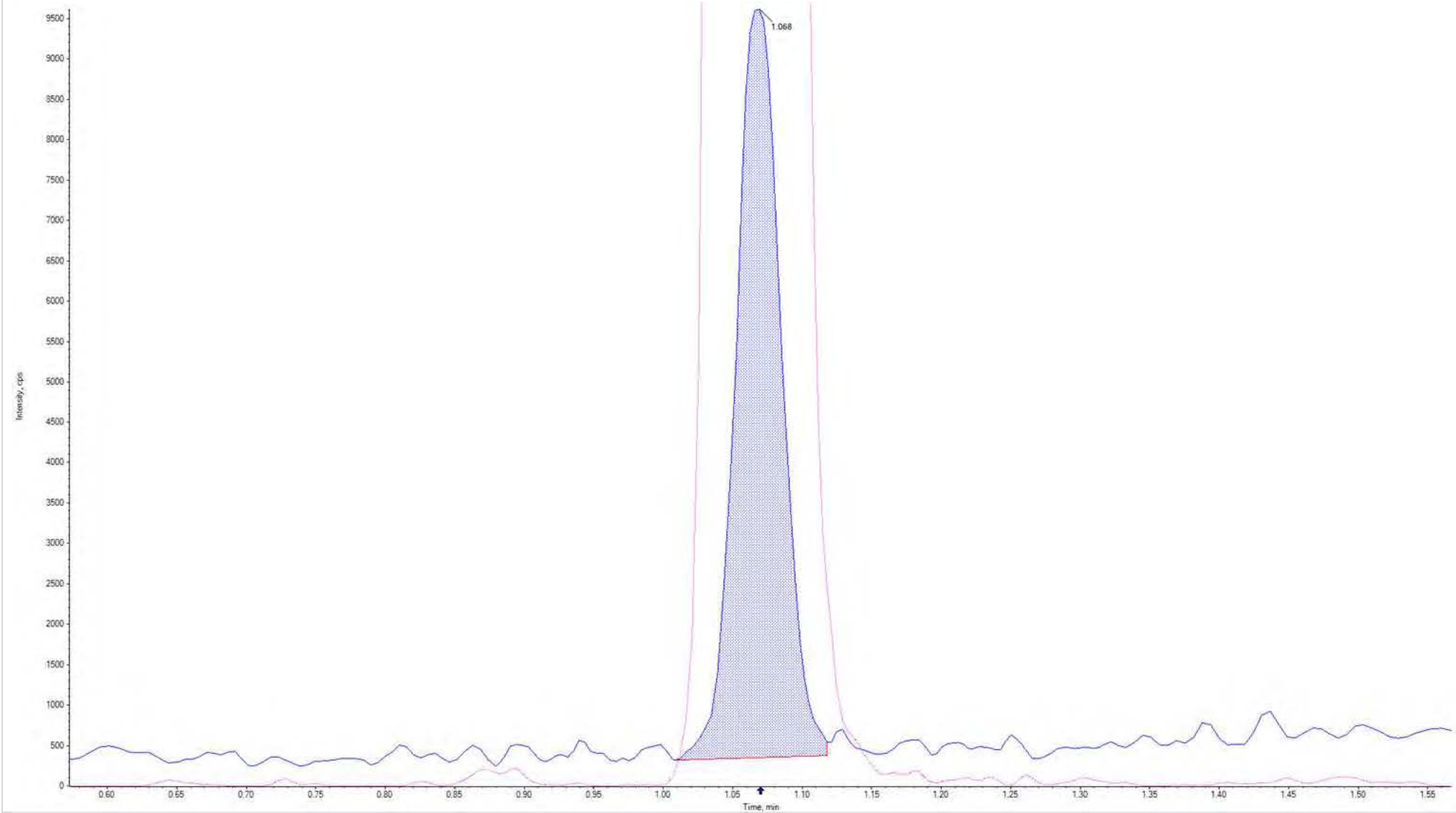
PFPeA
Sample: IA1633STD-.1 S/N:232.6 Points Across peak:31



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PFPeA_2
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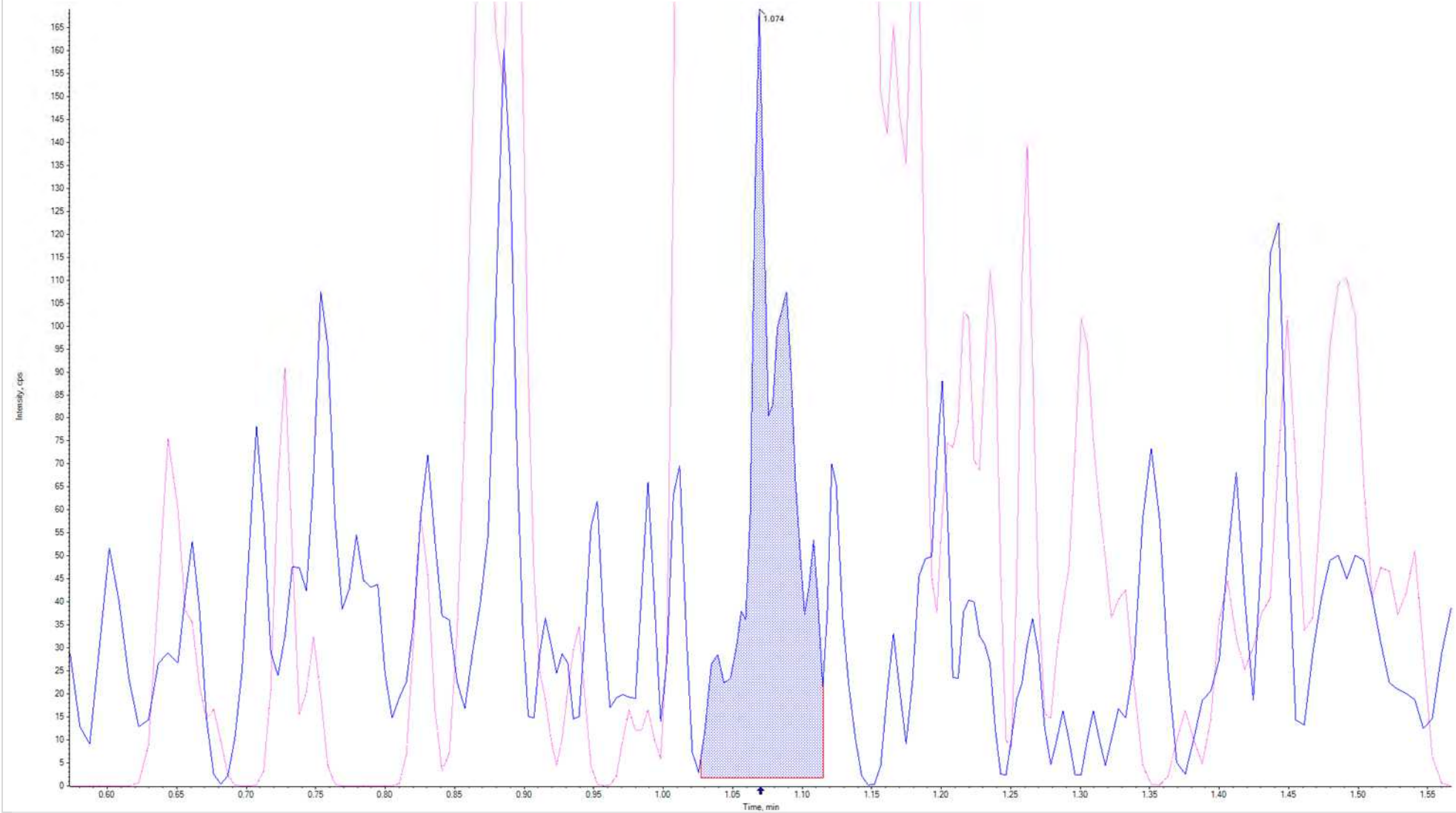

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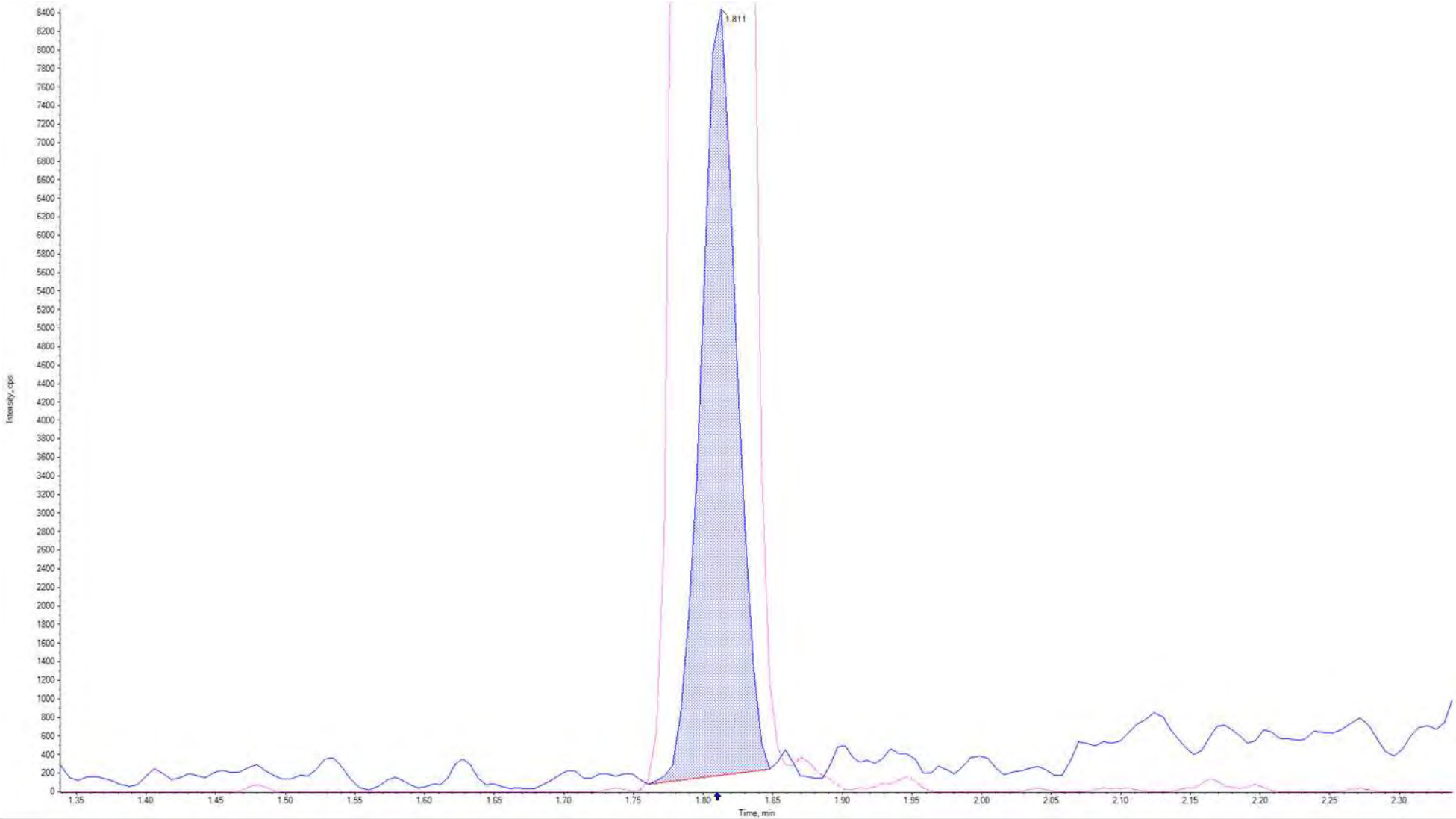
PFHxA
Sample: IA1633STD-.1 S/N:207.1 Points Across peak:16



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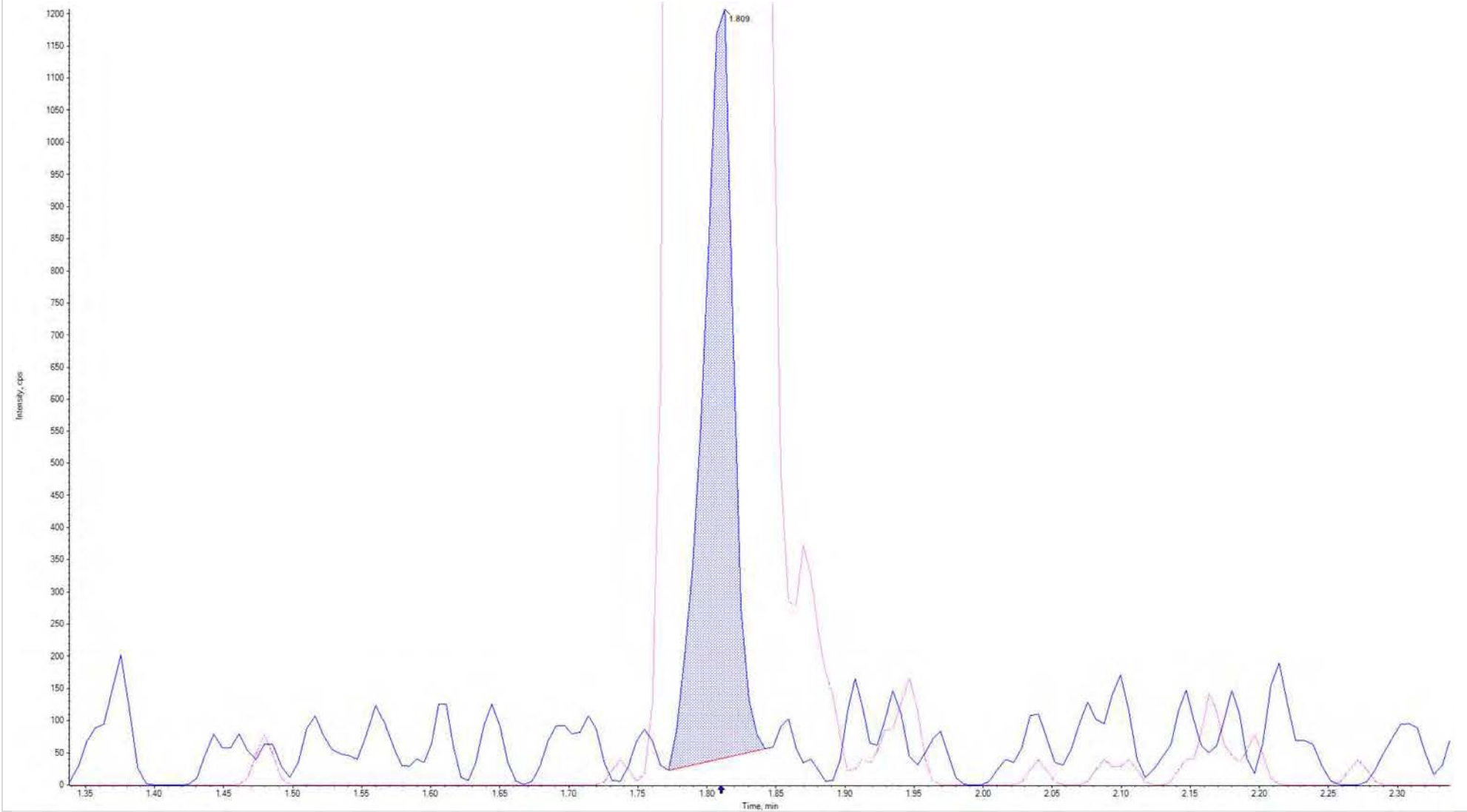
PFHxA_2
Sample: IA1633STD-.1 S/N:29.2 Points Across peak:13



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PFHpA
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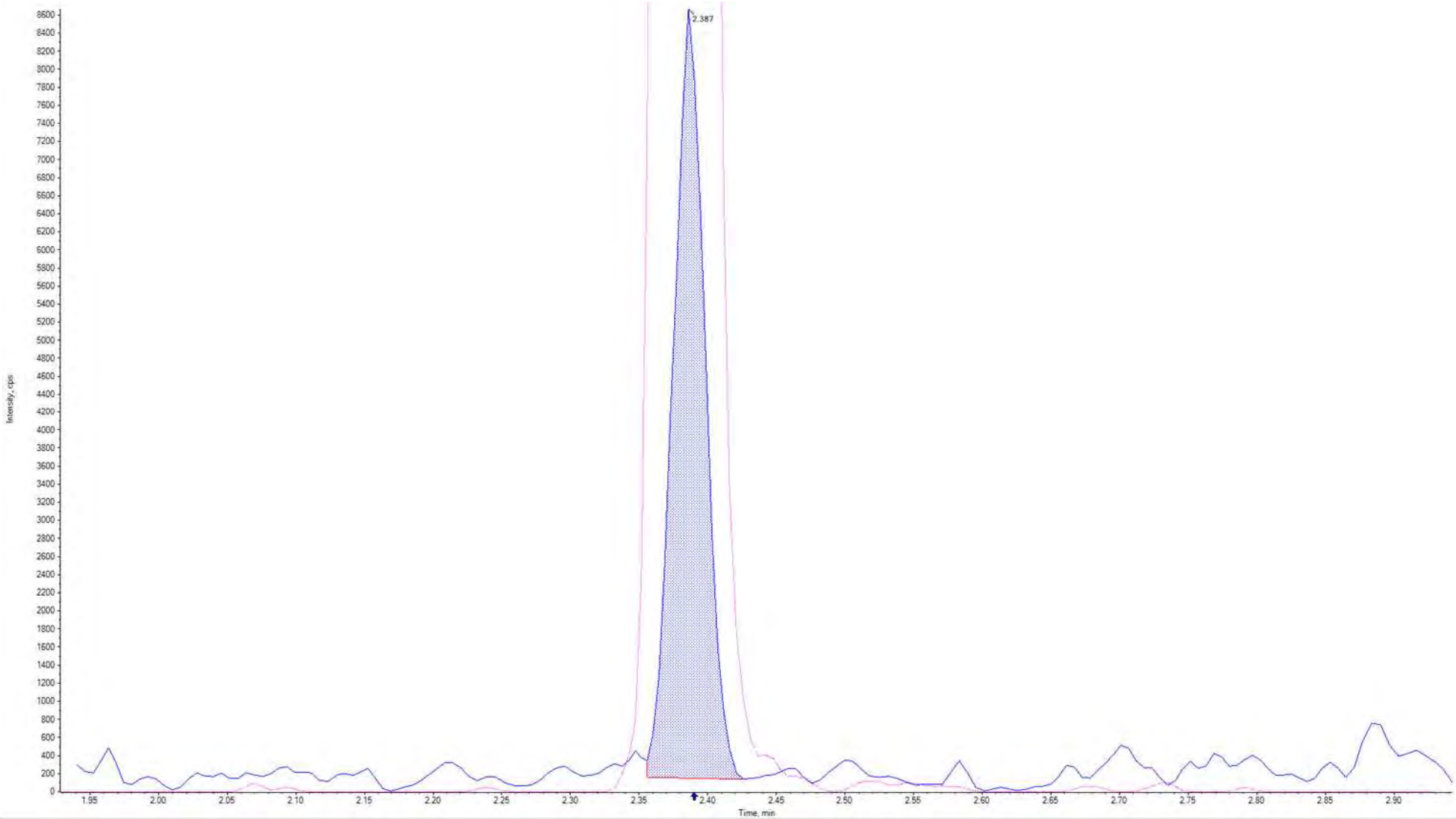

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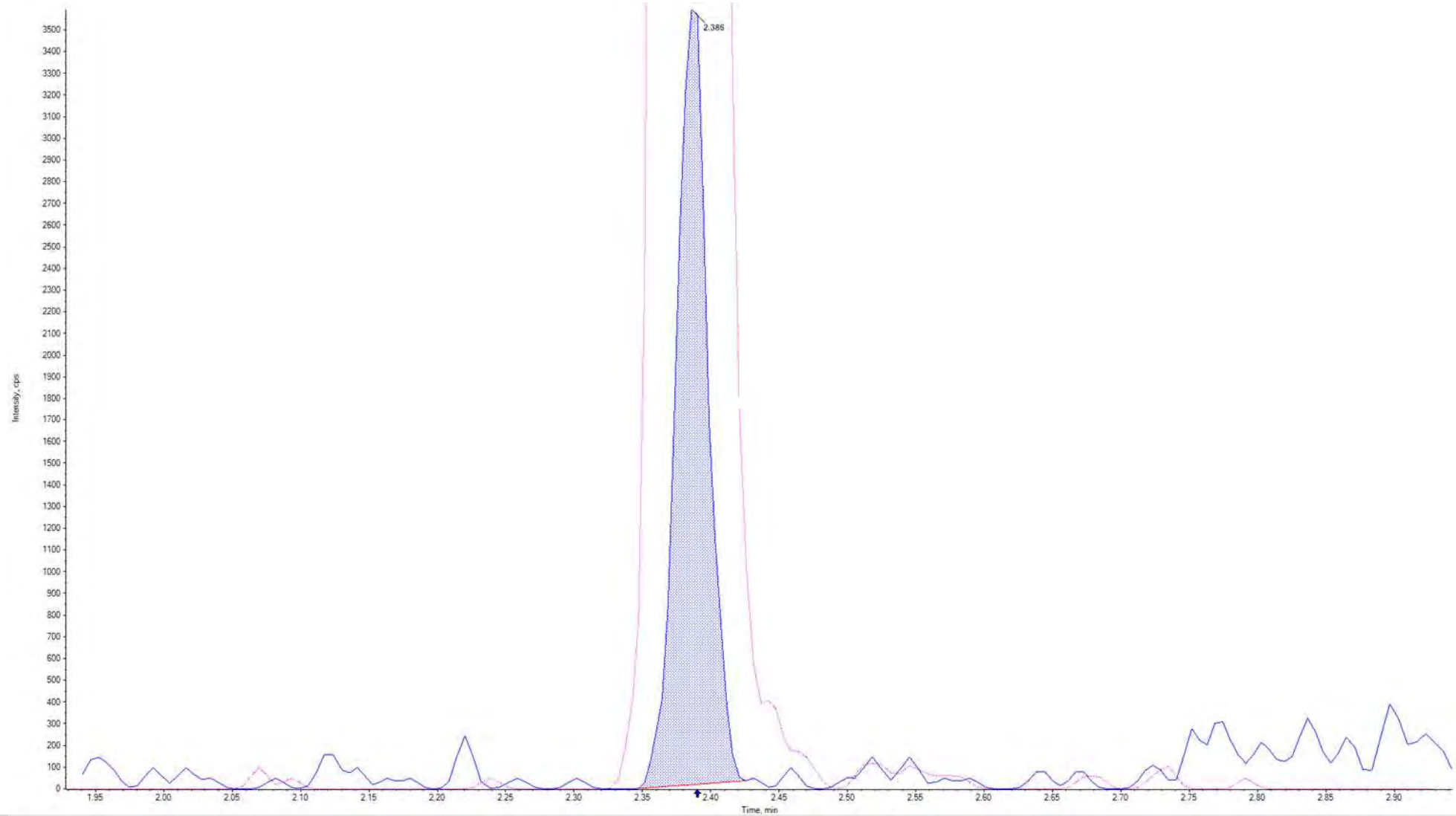
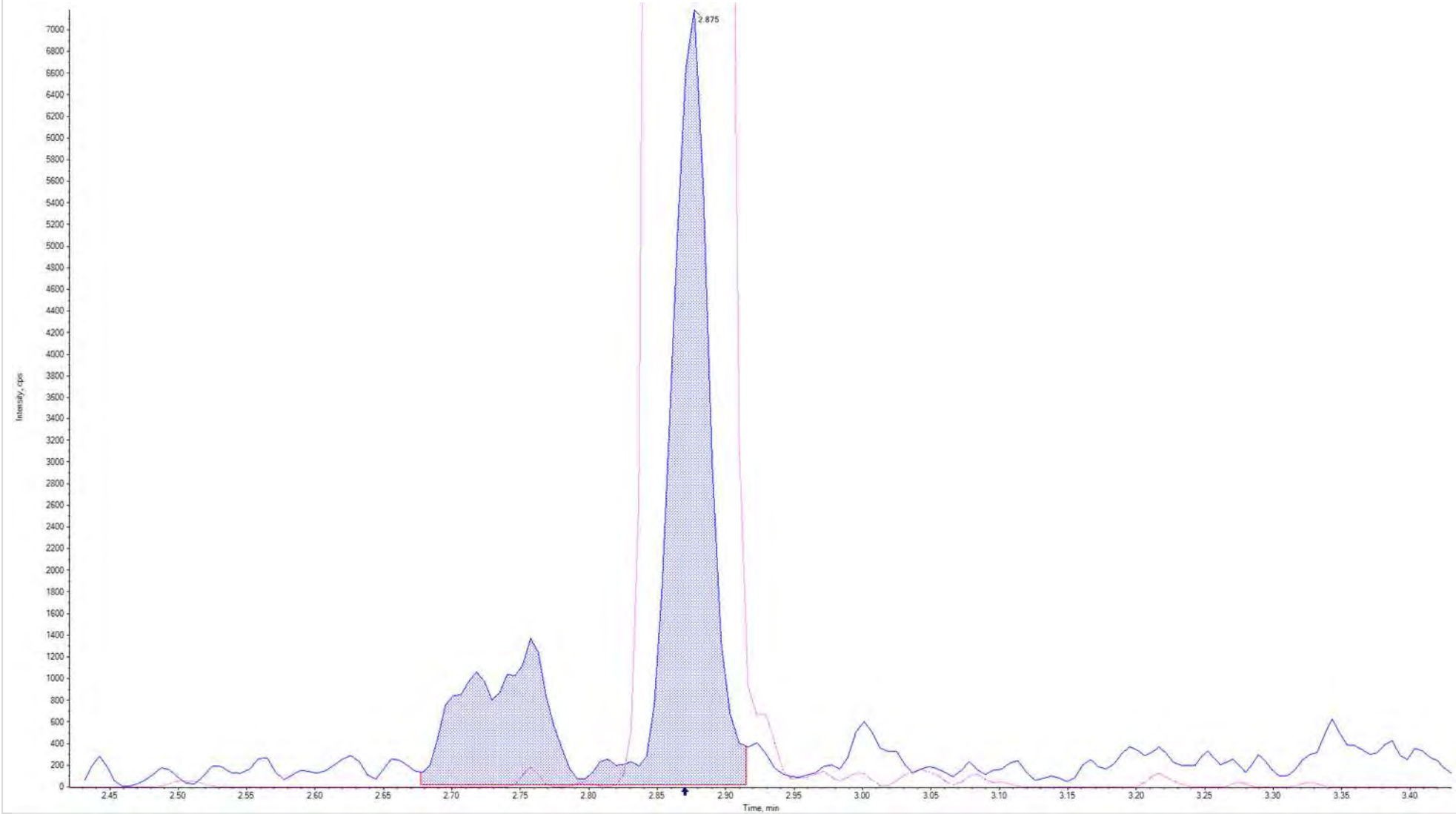
PFHpA_2
Sample: IA1633STD-.1 S/N:71.6 Points Across peak:20



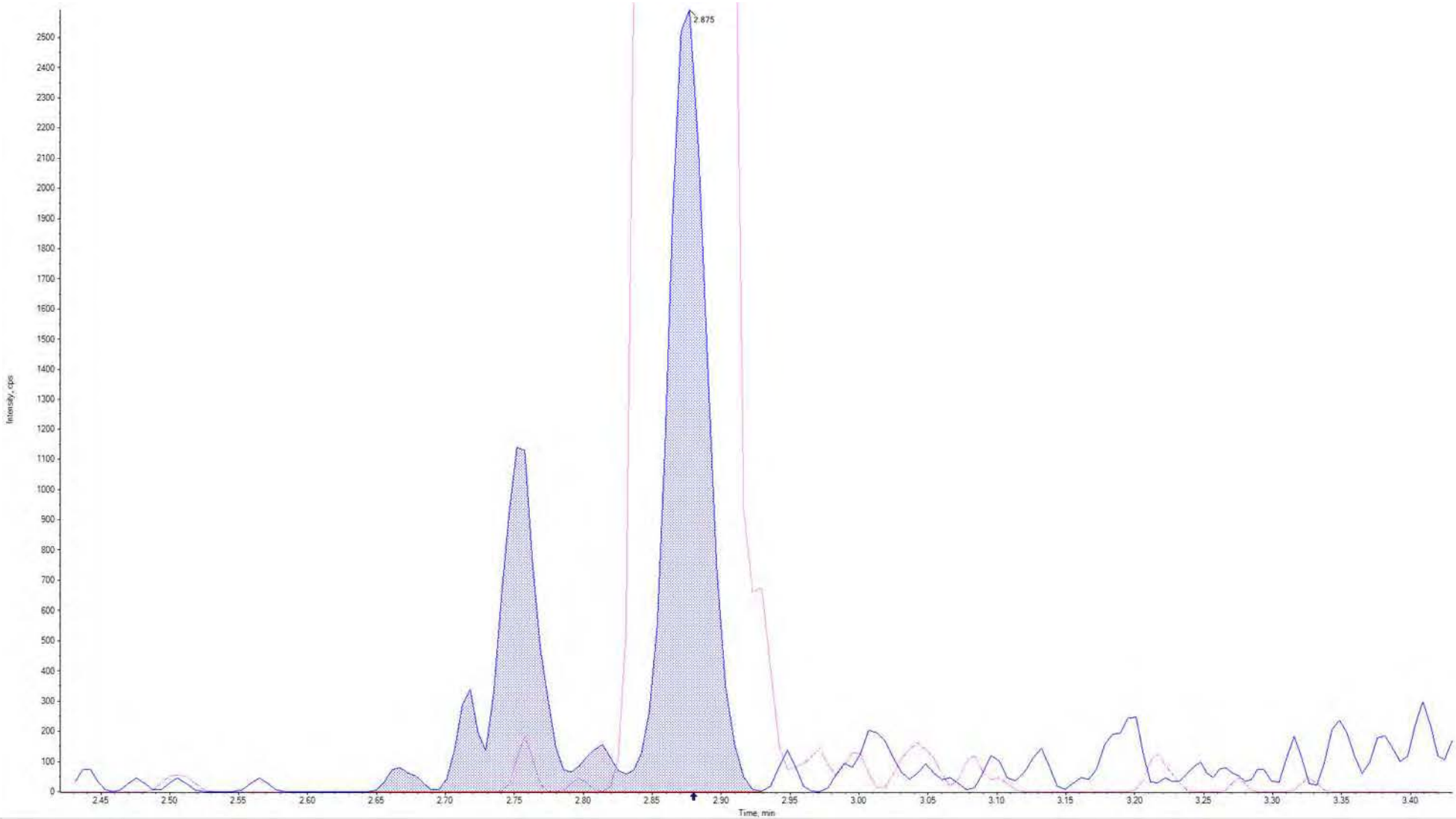
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2_1
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFOA
Sample: IA1633STD-.1 S/N:94.9 Points Across peak:43



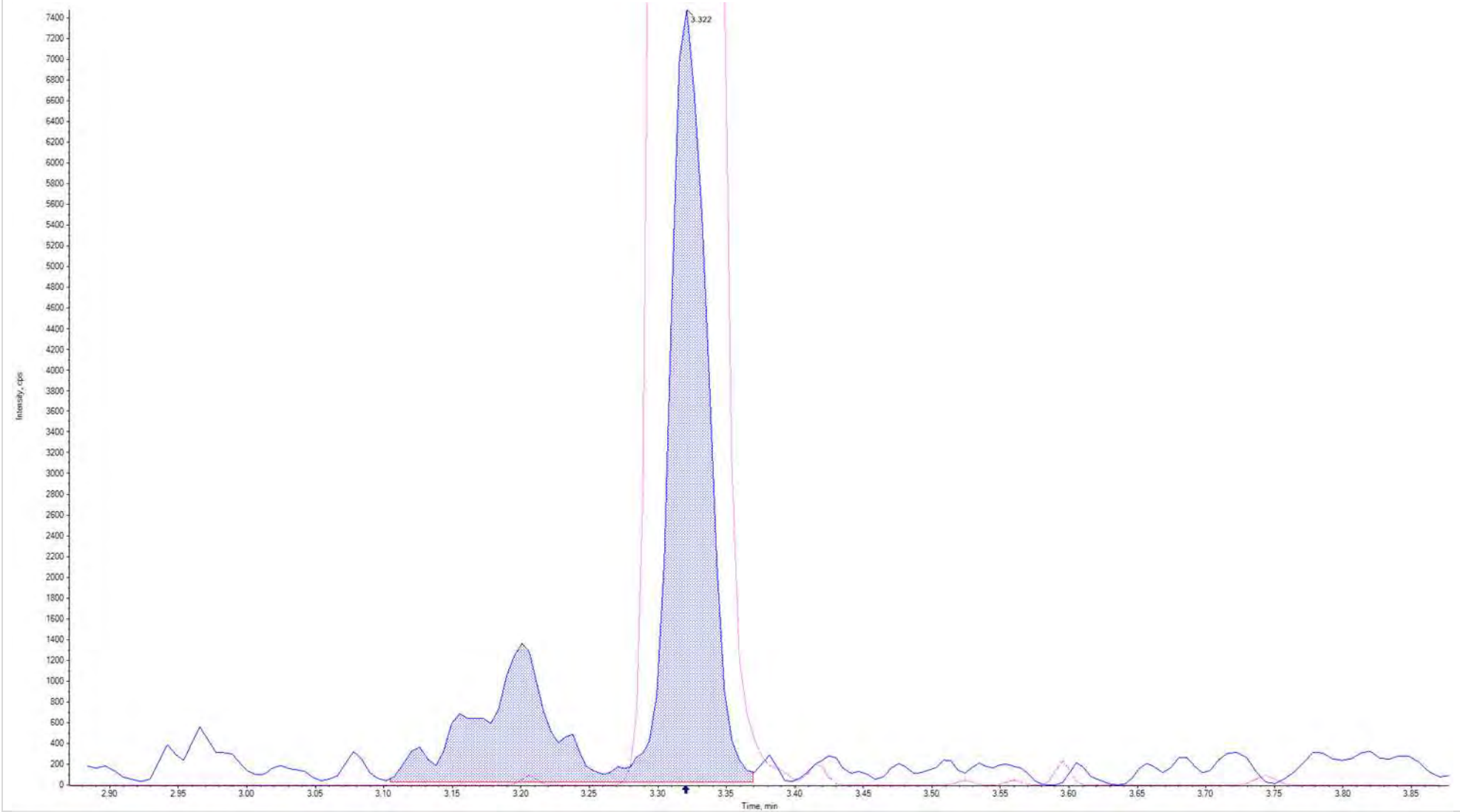
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2_1
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFOA_2
Sample: IA1633STD-.1 S/N:58.5 Points Across peak:52



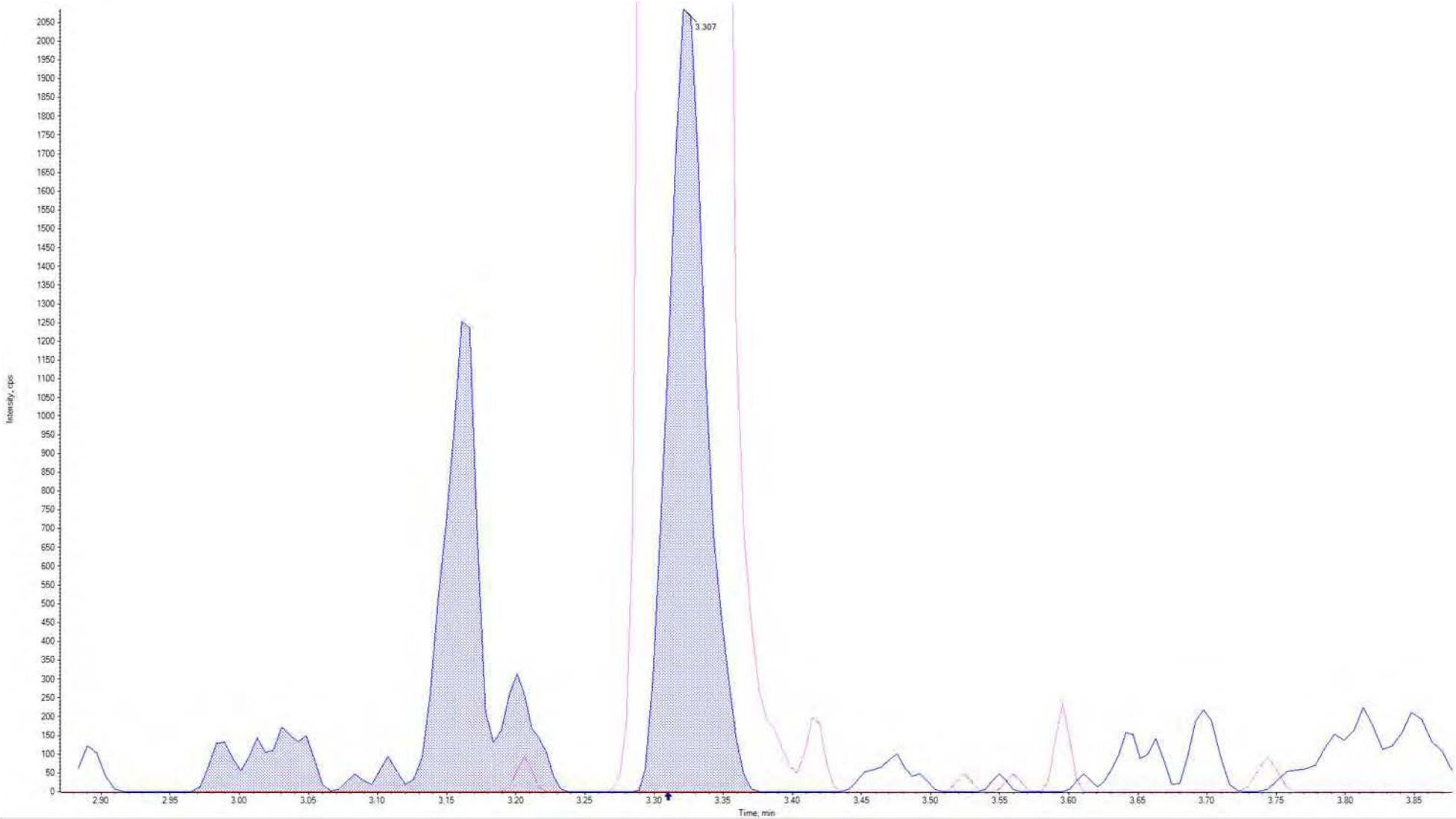
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2_1
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFNA
Sample: IA1633STD-.1 S/N:98.9 Points Across peak:51



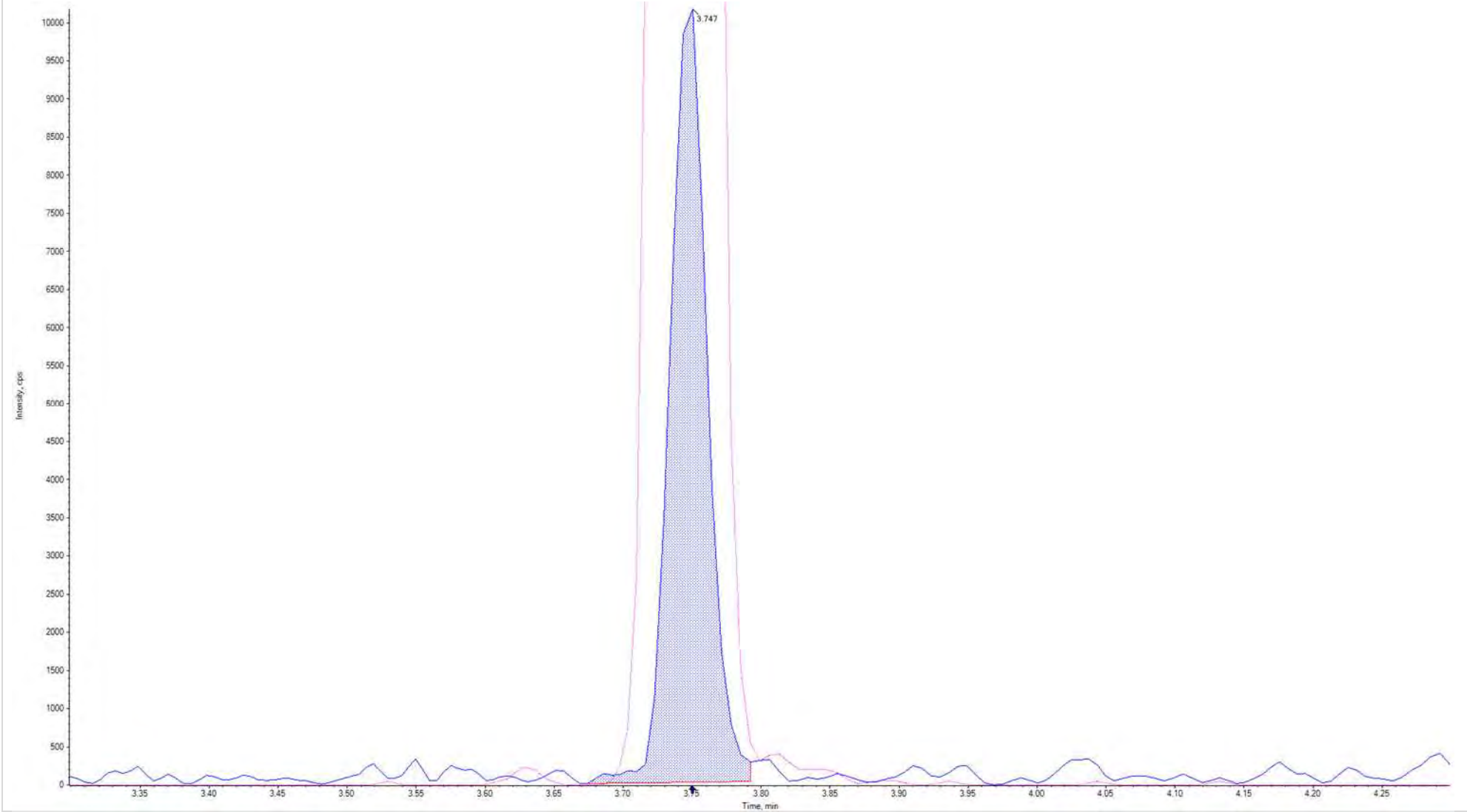
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2_1
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFNA_2
Sample: IA1633STD-.1 S/N:47.0 Points Across peak:78



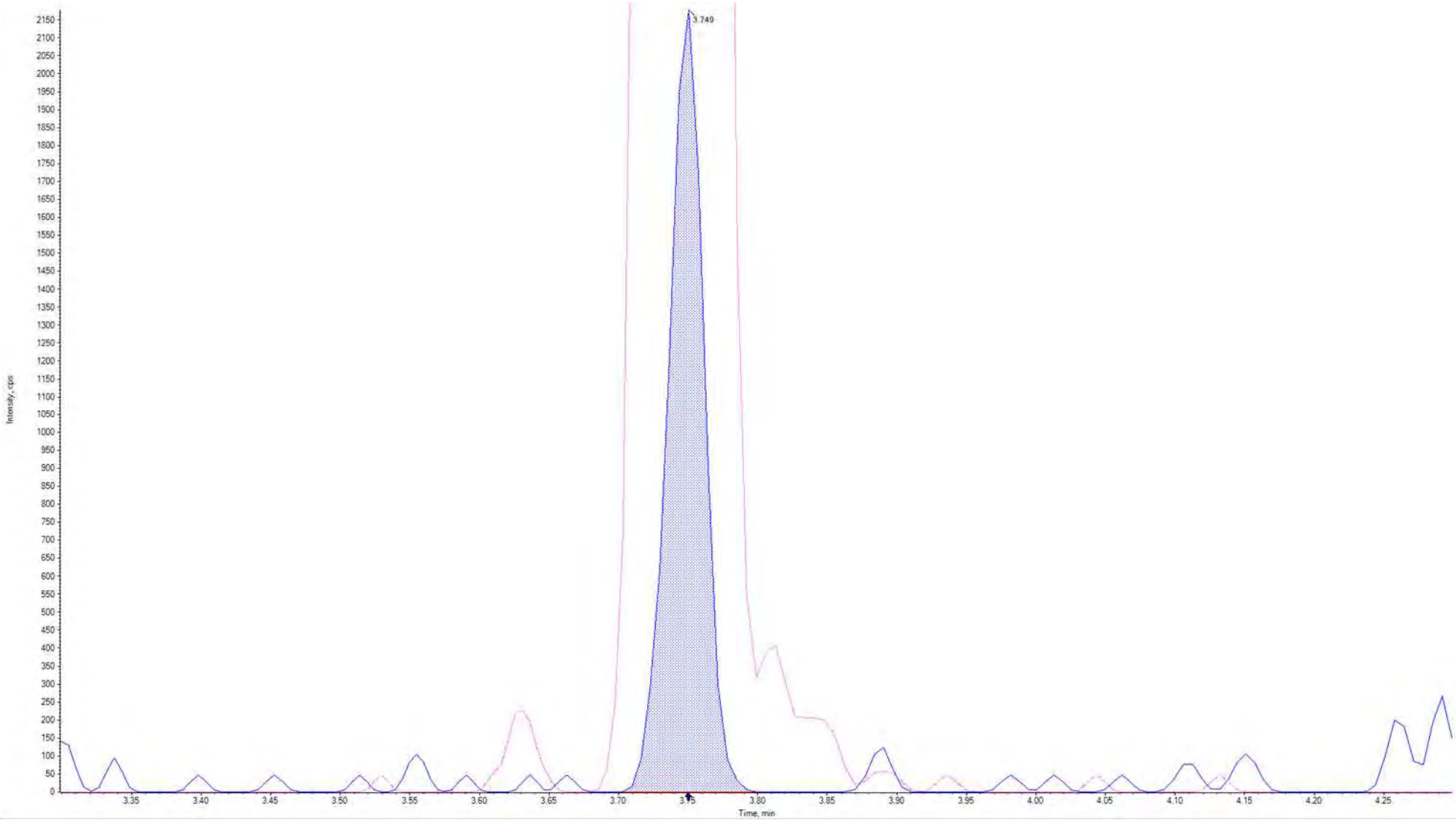
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2_1
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFDA
Sample: IA1633STD-.1 S/N:203.4 Points Across peak:19



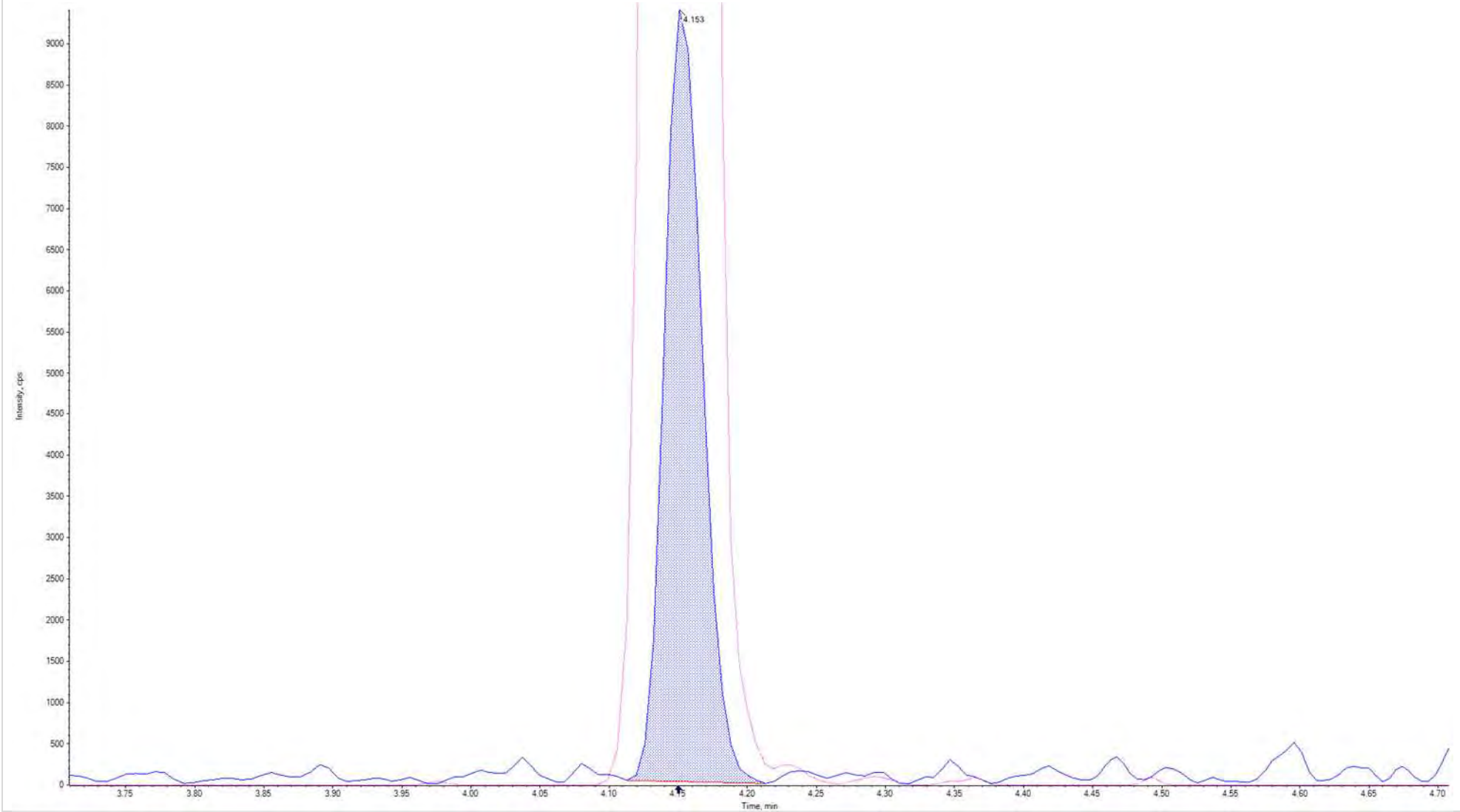
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2_1
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFDA_2
Sample: IA1633STD-.1 S/N:43.7 Points Across peak:20



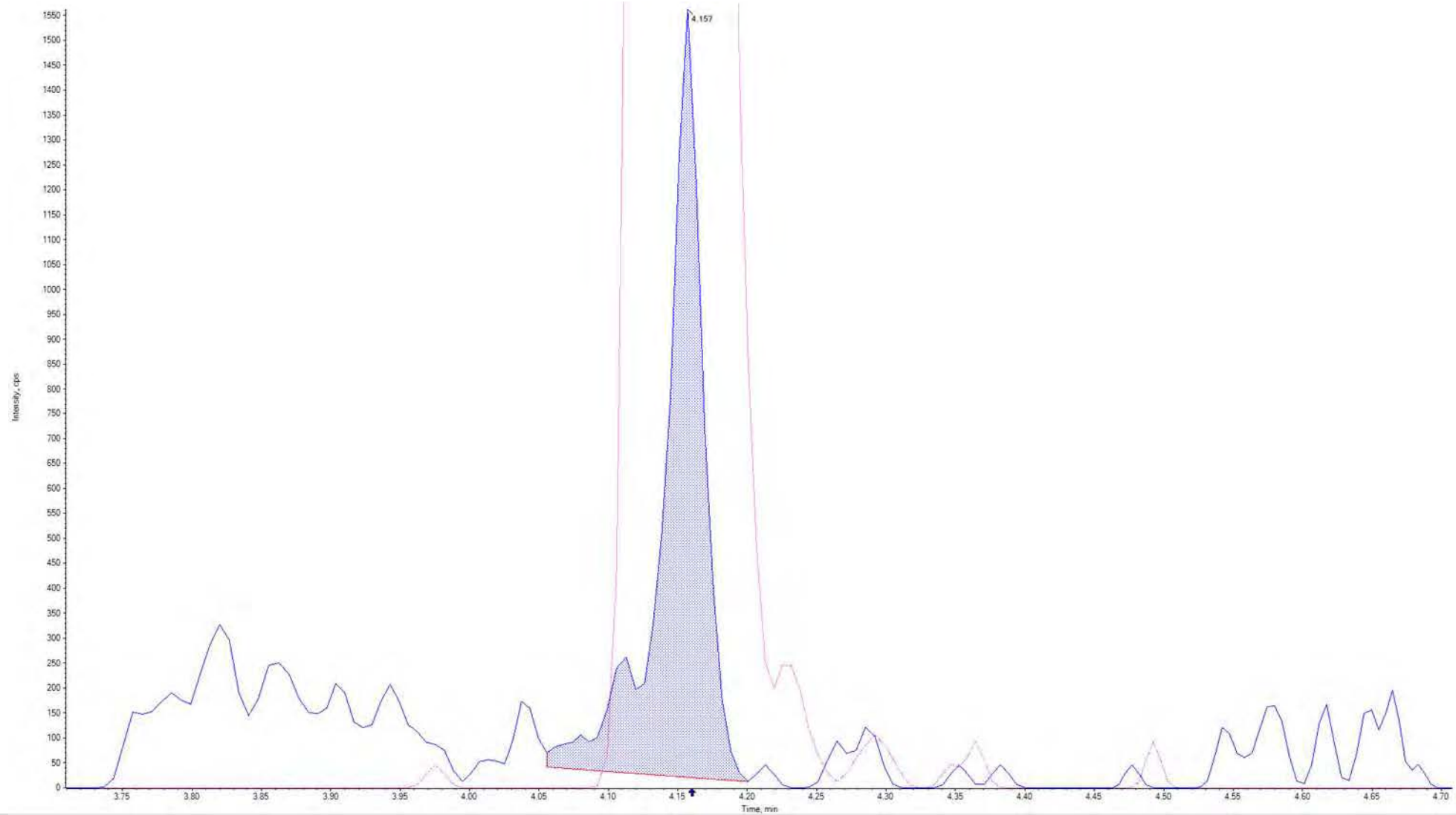
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2_1
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFUnA
Sample: IA1633STD-.1 S/N:211.4 Points Across peak:17



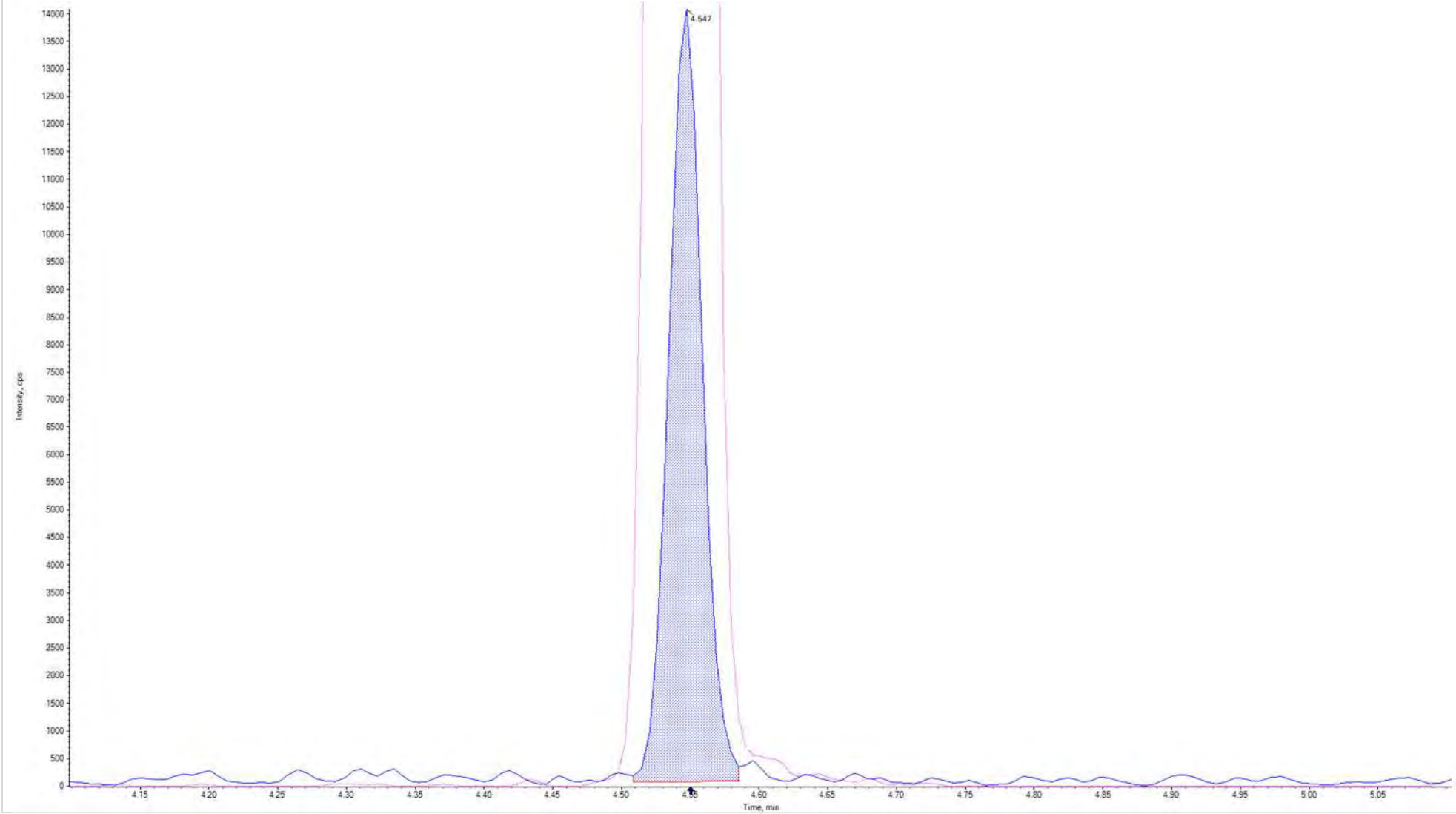
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2_1
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFUnA_2
Sample: IA1633STD-.1 S/N:34.8 Points Across peak:24



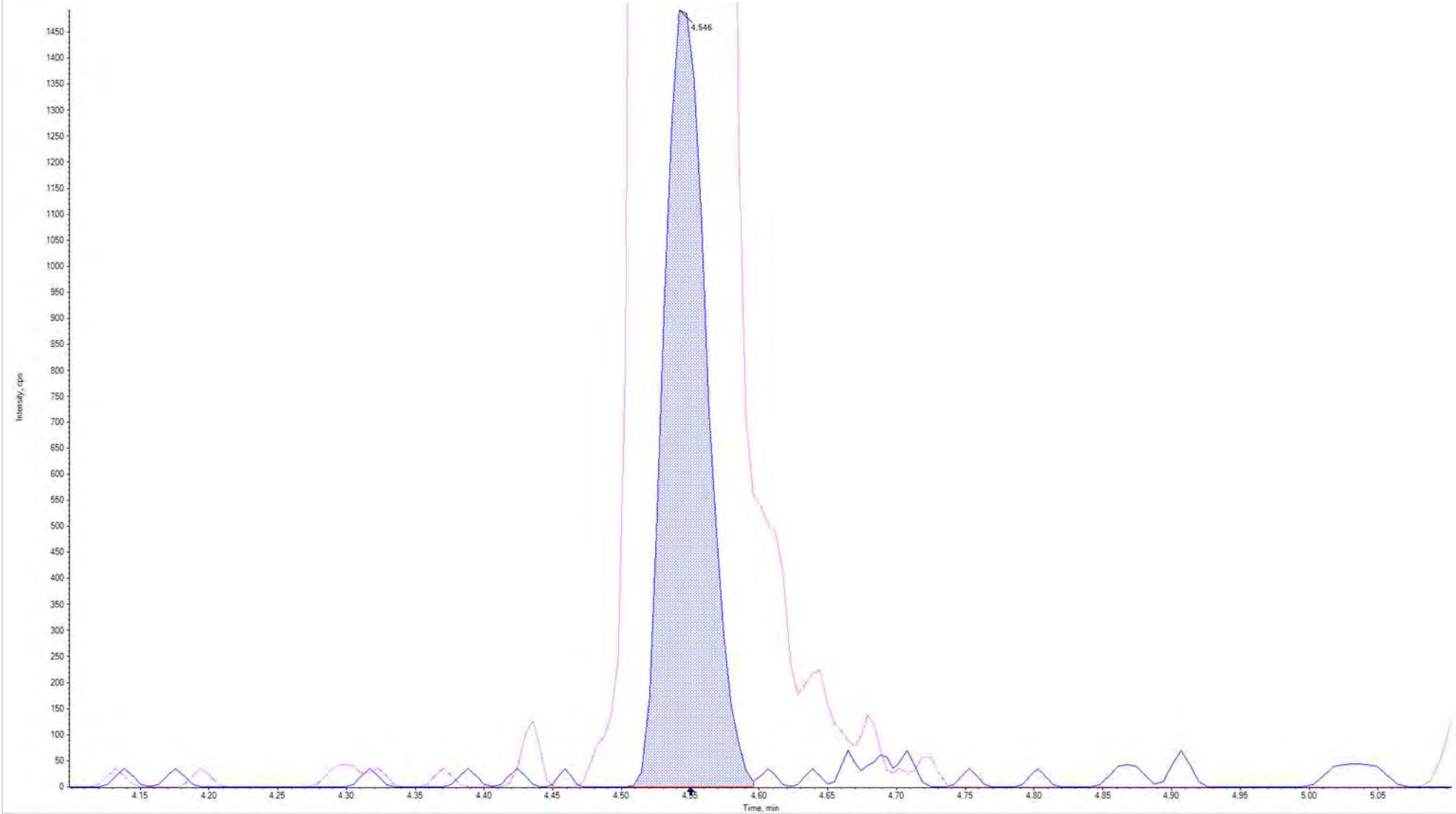
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2_1
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFDoA
Sample: IA1633STD-.1 S/N:385.9 Points Across peak:15



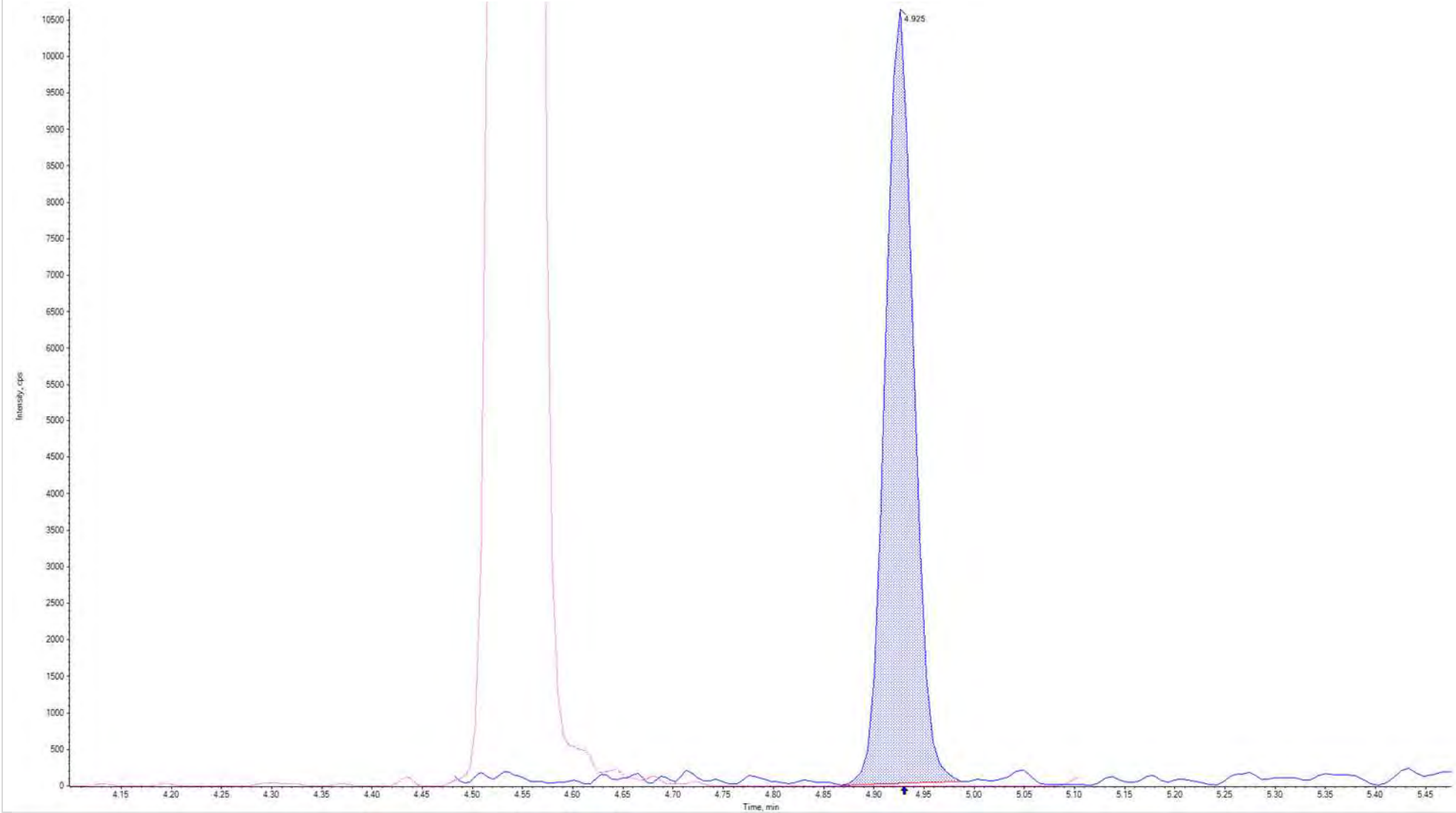
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2_1
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFDoA_2
Sample: IA1633STD-.1 S/N:41.1 Points Across peak:19



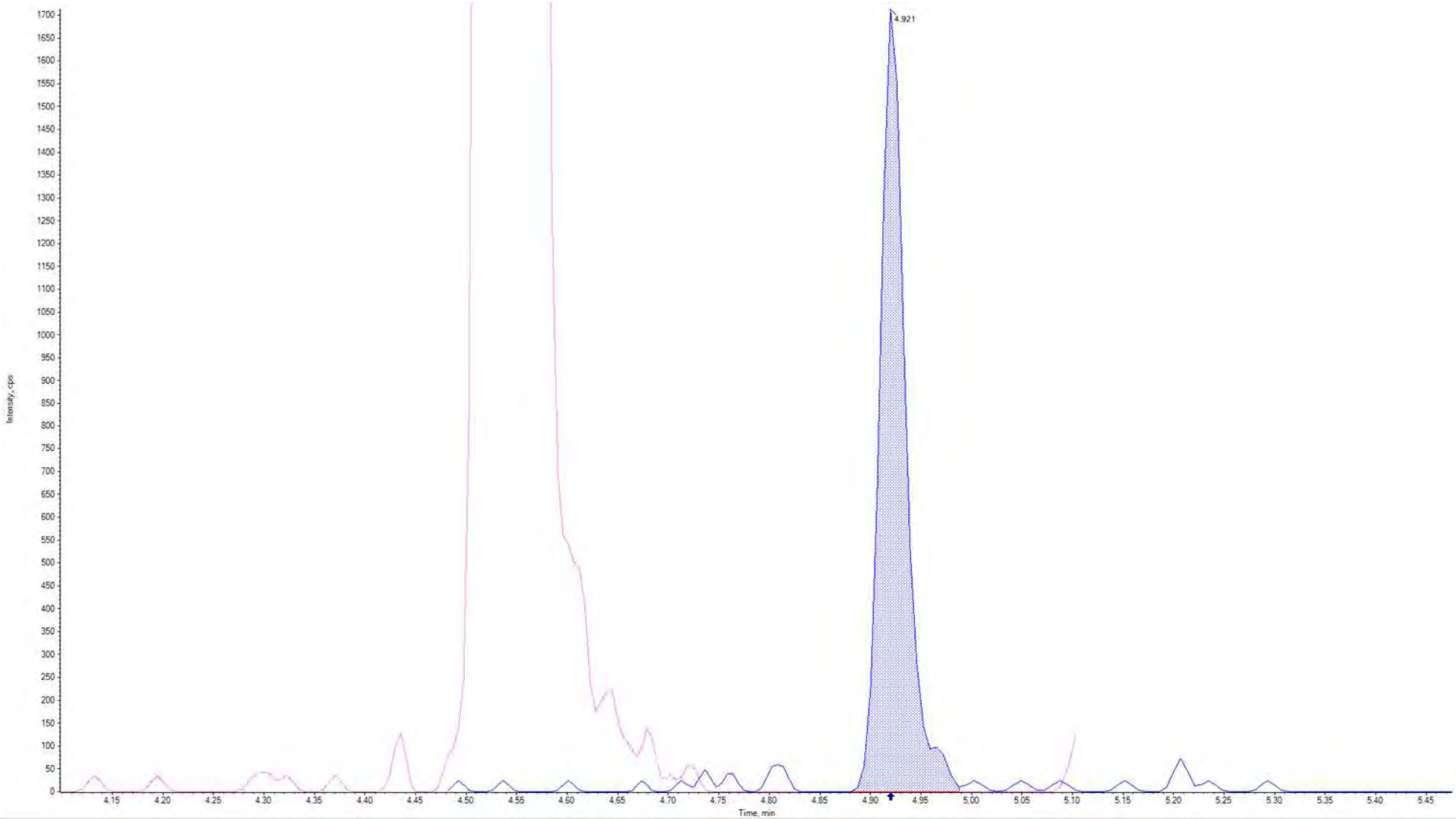
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2_1
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFTrDA
Sample: IA1633STD-.1 S/N:425.6 Points Across peak:19



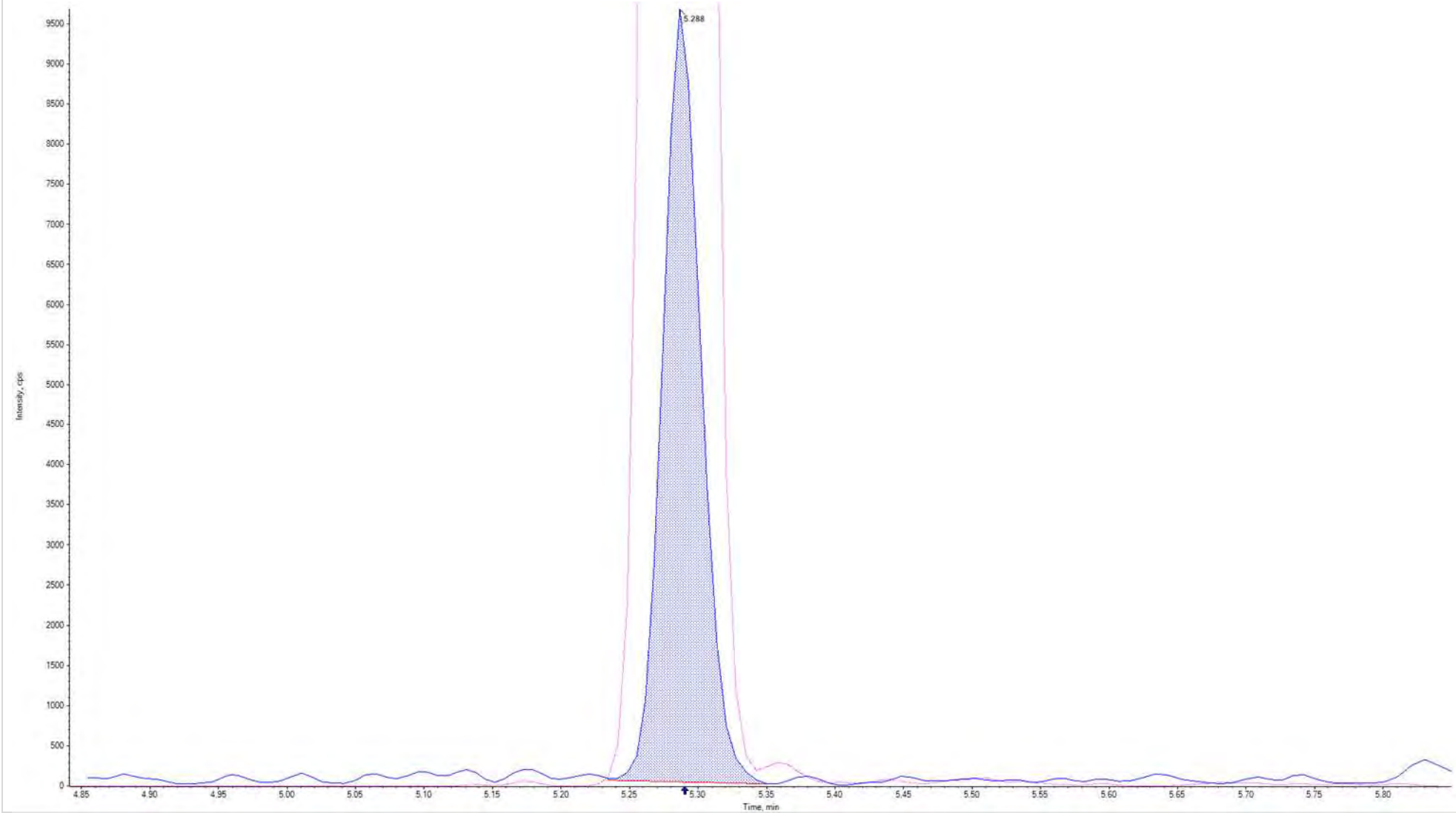
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2_1
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFTrDA_2
Sample: IA1633STD-.1 S/N:68.7 Points Across peak:18



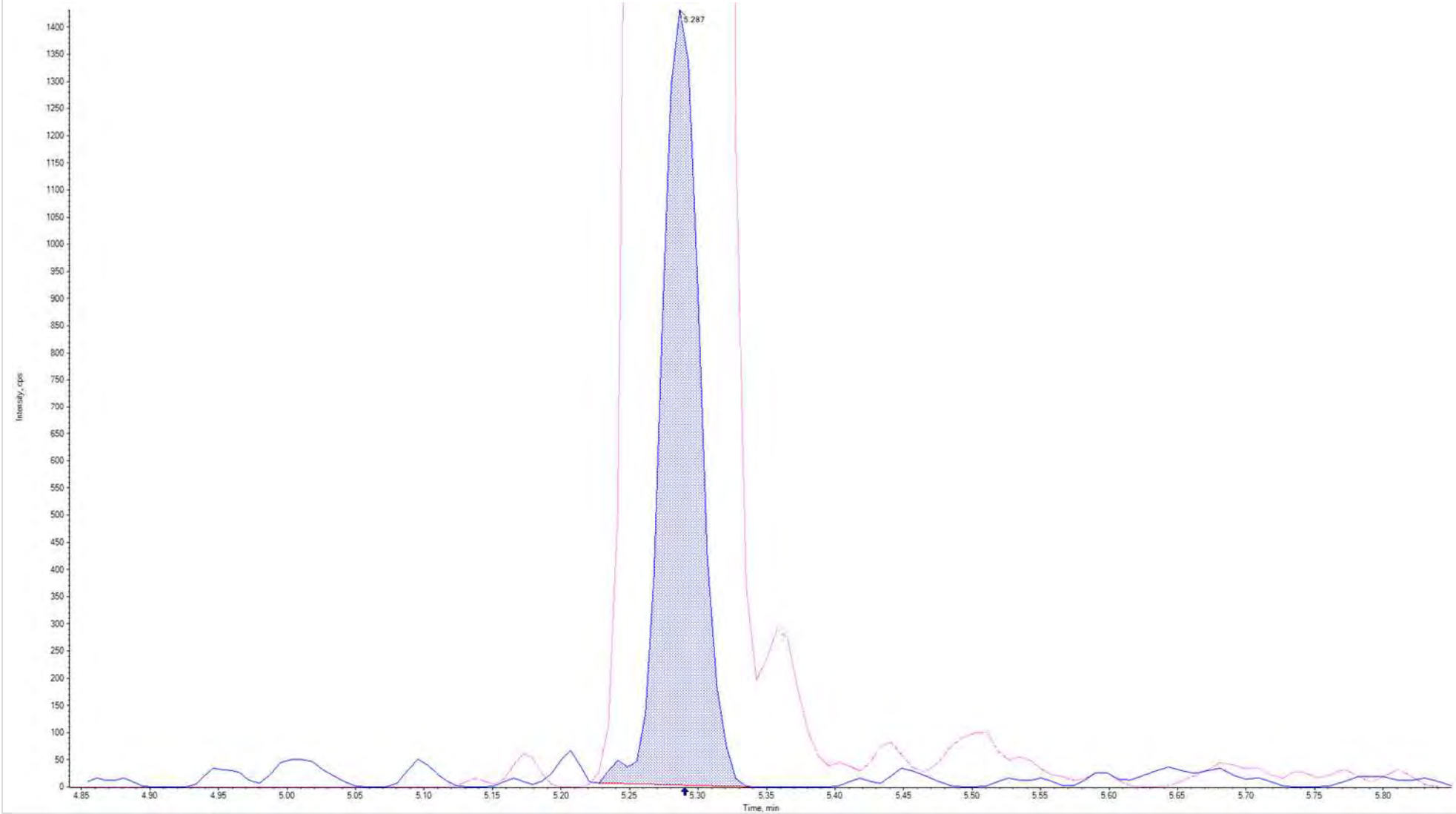
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2_1
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFTeDA
Sample: IA1633STD-.1 S/N:603.5 Points Across peak:19



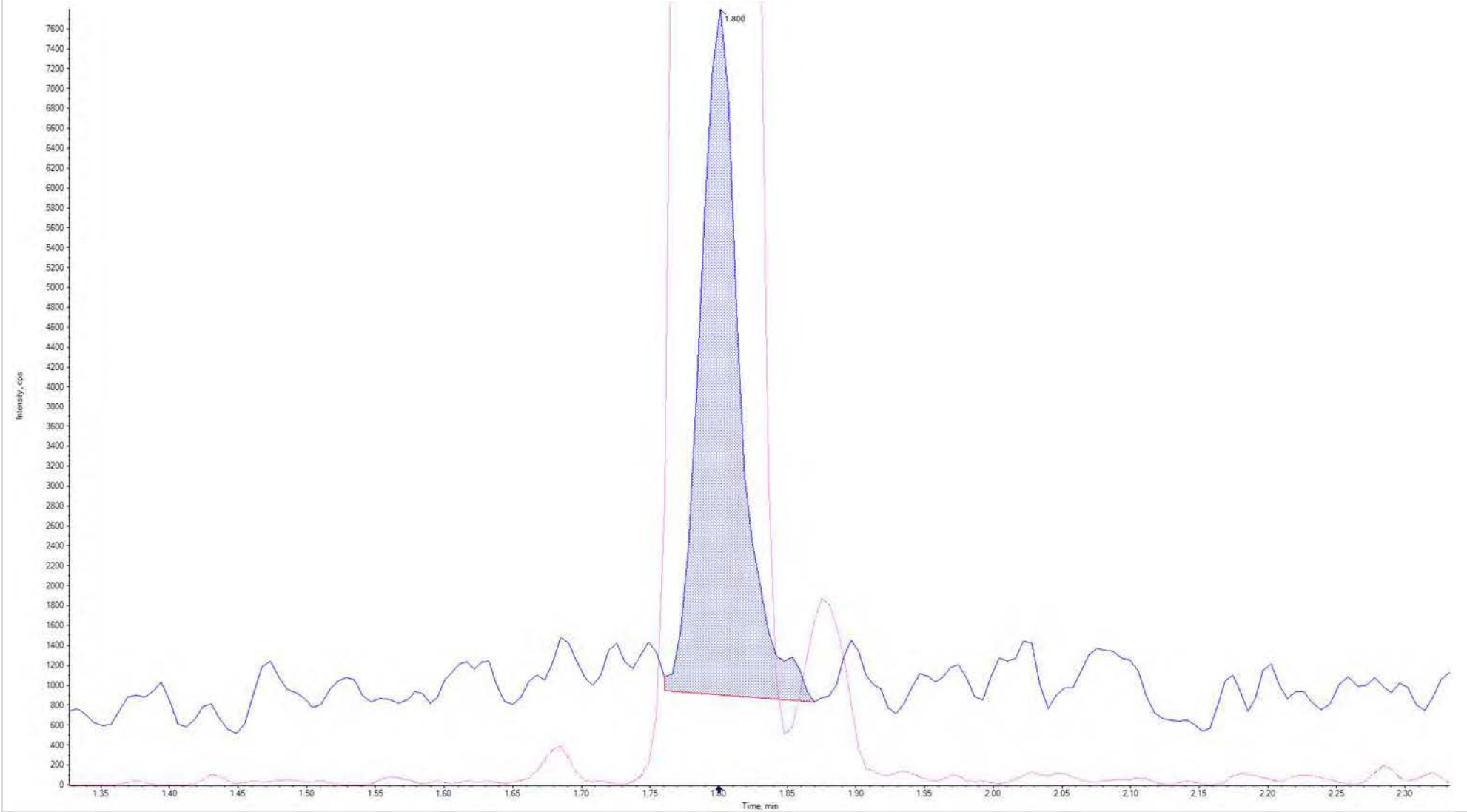
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2_1
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFTeDA_2
Sample: IA1633STD-.1 S/N:89.5 Points Across peak:18



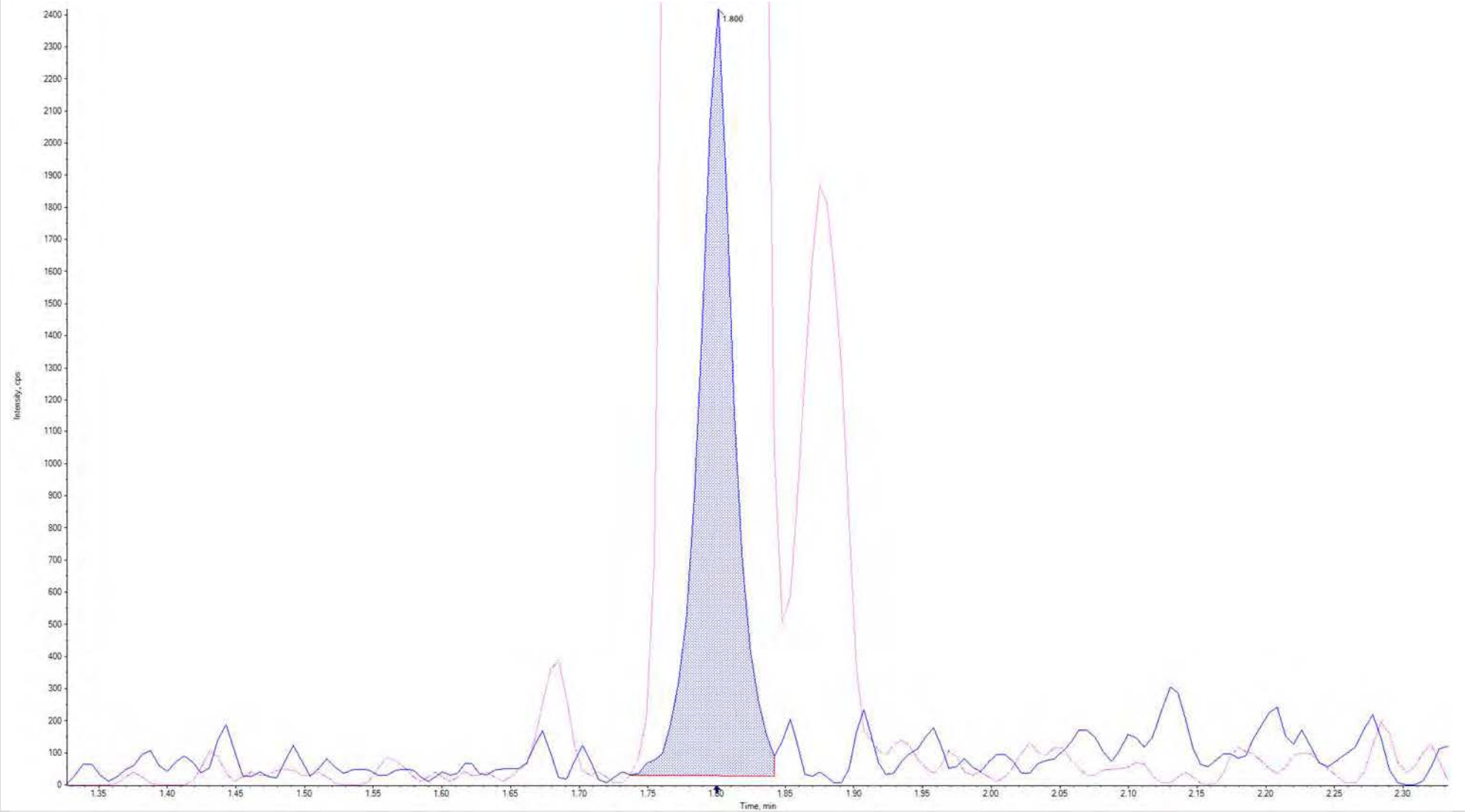
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2_1
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFBS
Sample: IA1633STD-.1 S/N:84.7 Points Across peak:20



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2_1
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFBS_2
Sample: IA1633STD-.1 S/N:59.9 Points Across peak:19



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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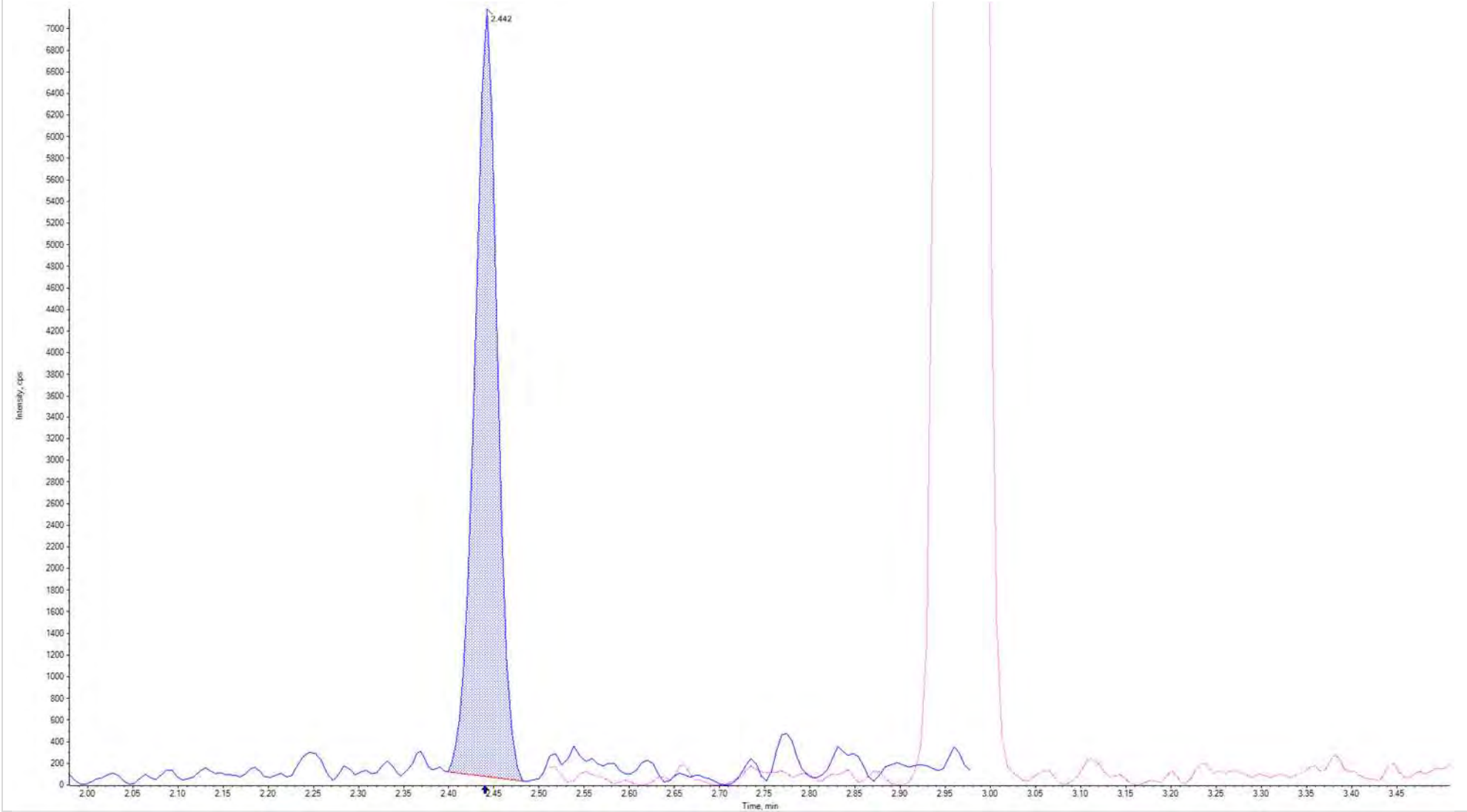
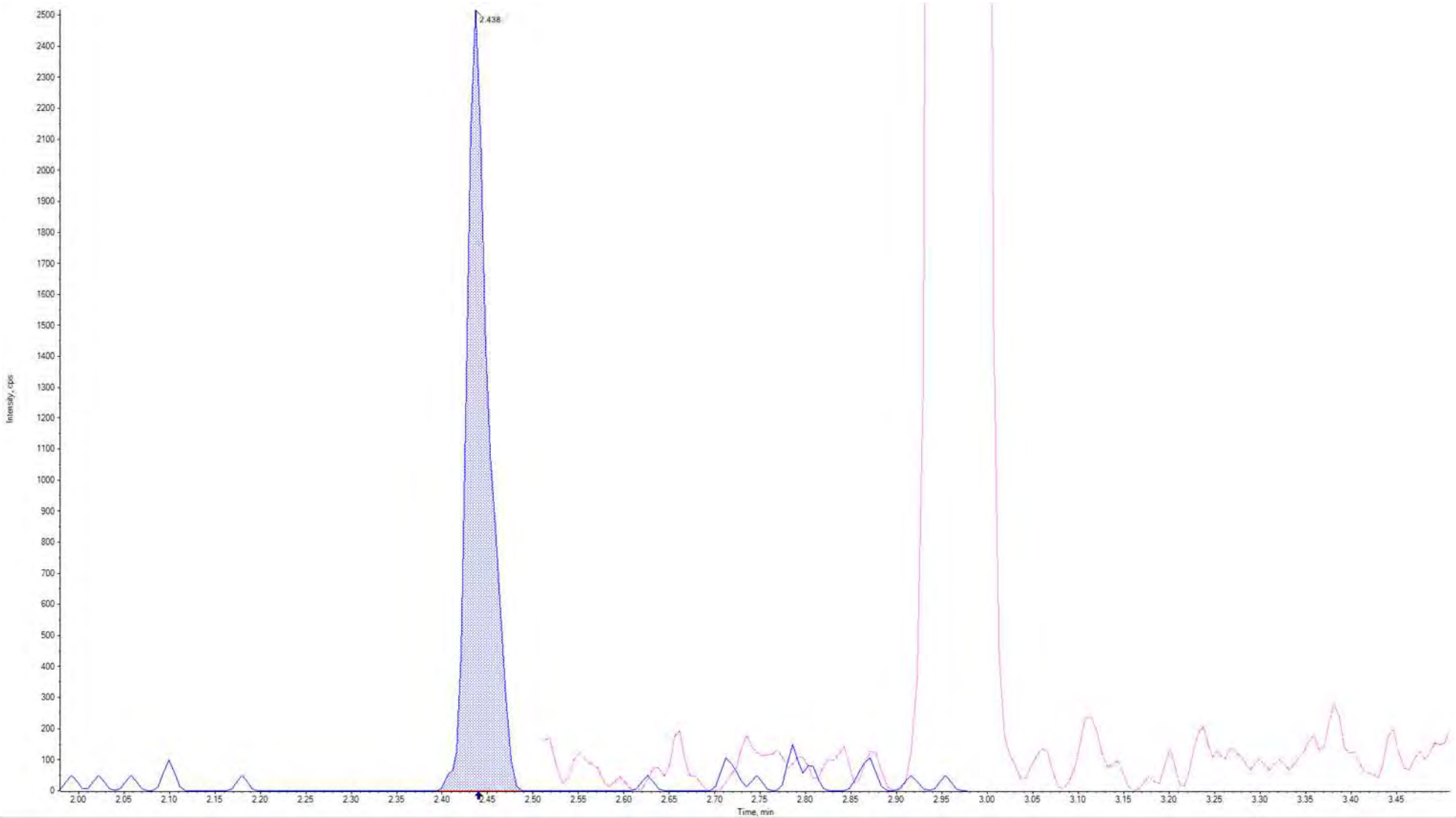
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFPeS
Sample: IA1633STD-.1 S/N:142.4 Points Across peak:17



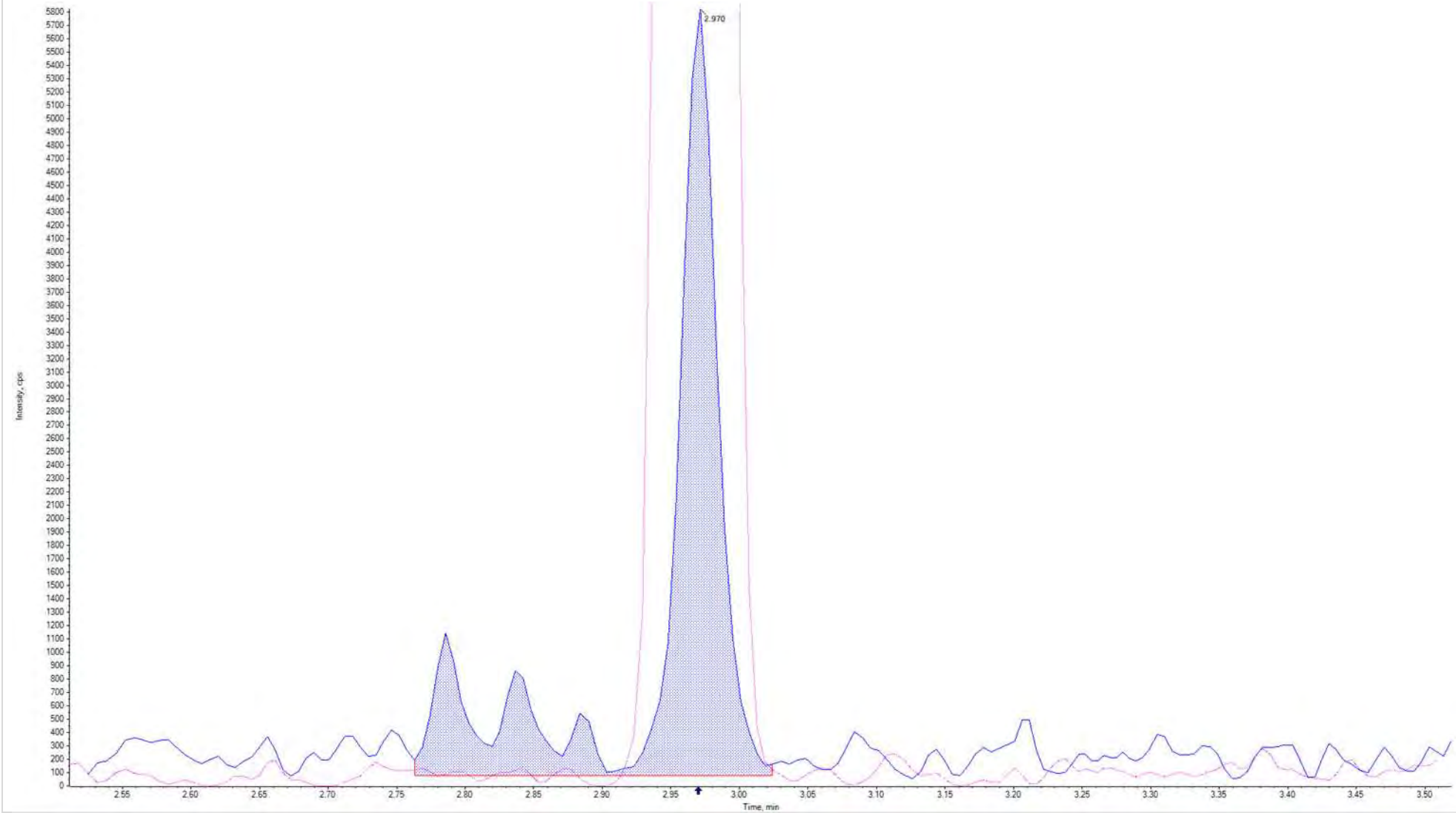
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2_1
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFPeS_2
Sample: IA1633STD-.1 S/N:50.5 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2_1
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFHxS
Sample: IA1633STD-.1 S/N:71.3 Points Across peak:45



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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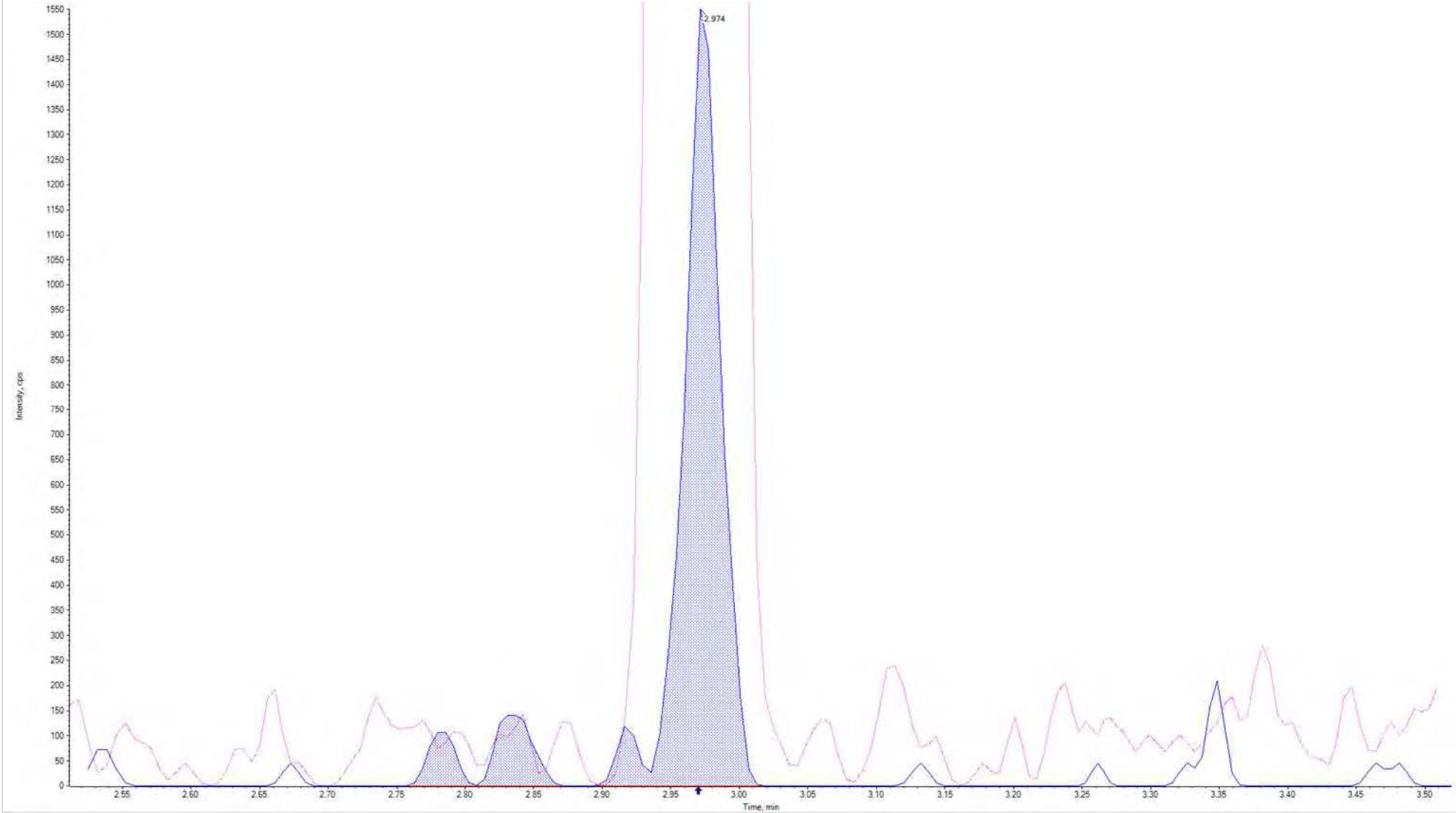
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFHxS_2
Sample: IA1633STD-.1 S/N:35.0 Points Across peak:49



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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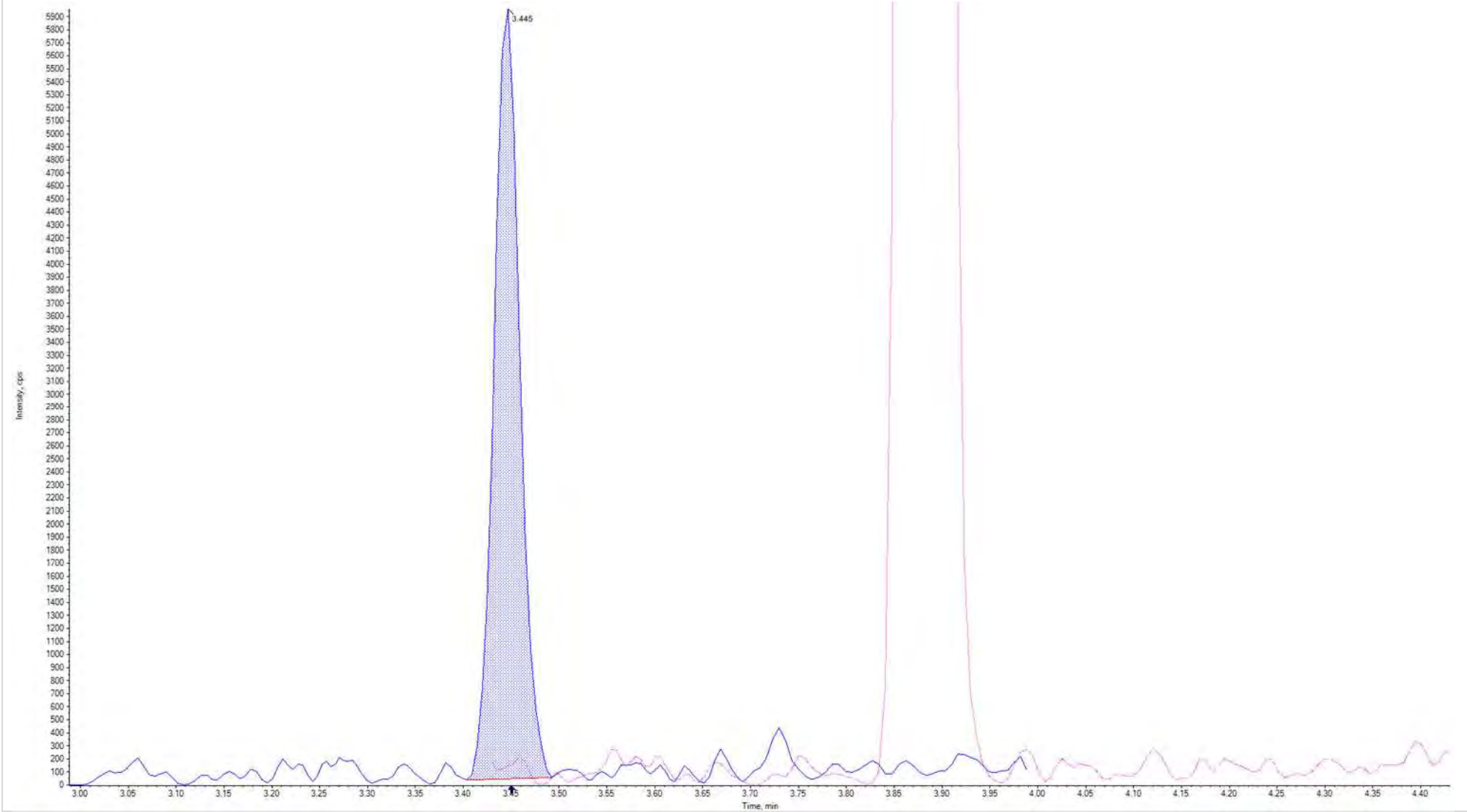
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFHpS
Sample: IA1633STD-.1 S/N:118.5 Points Across peak:17



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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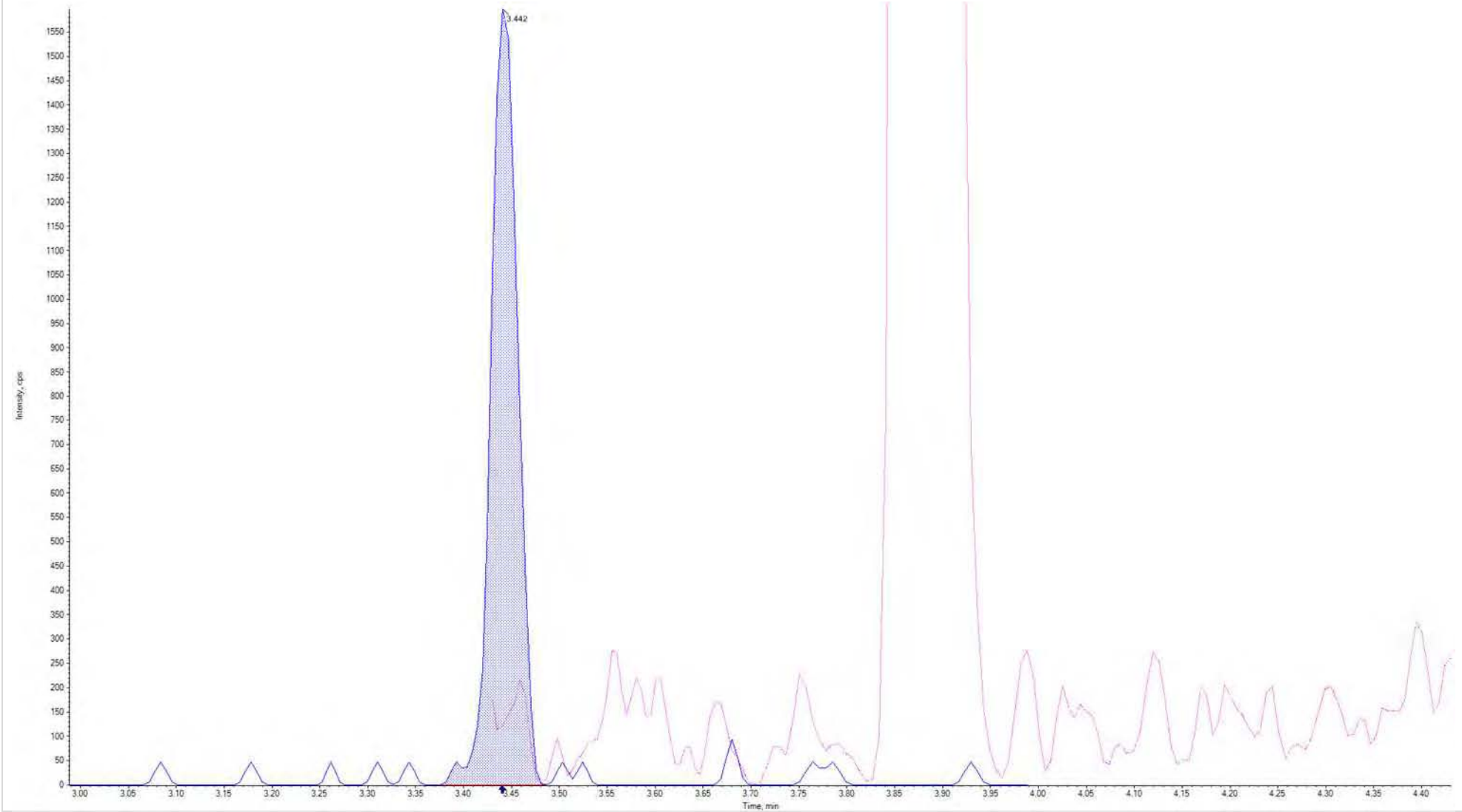
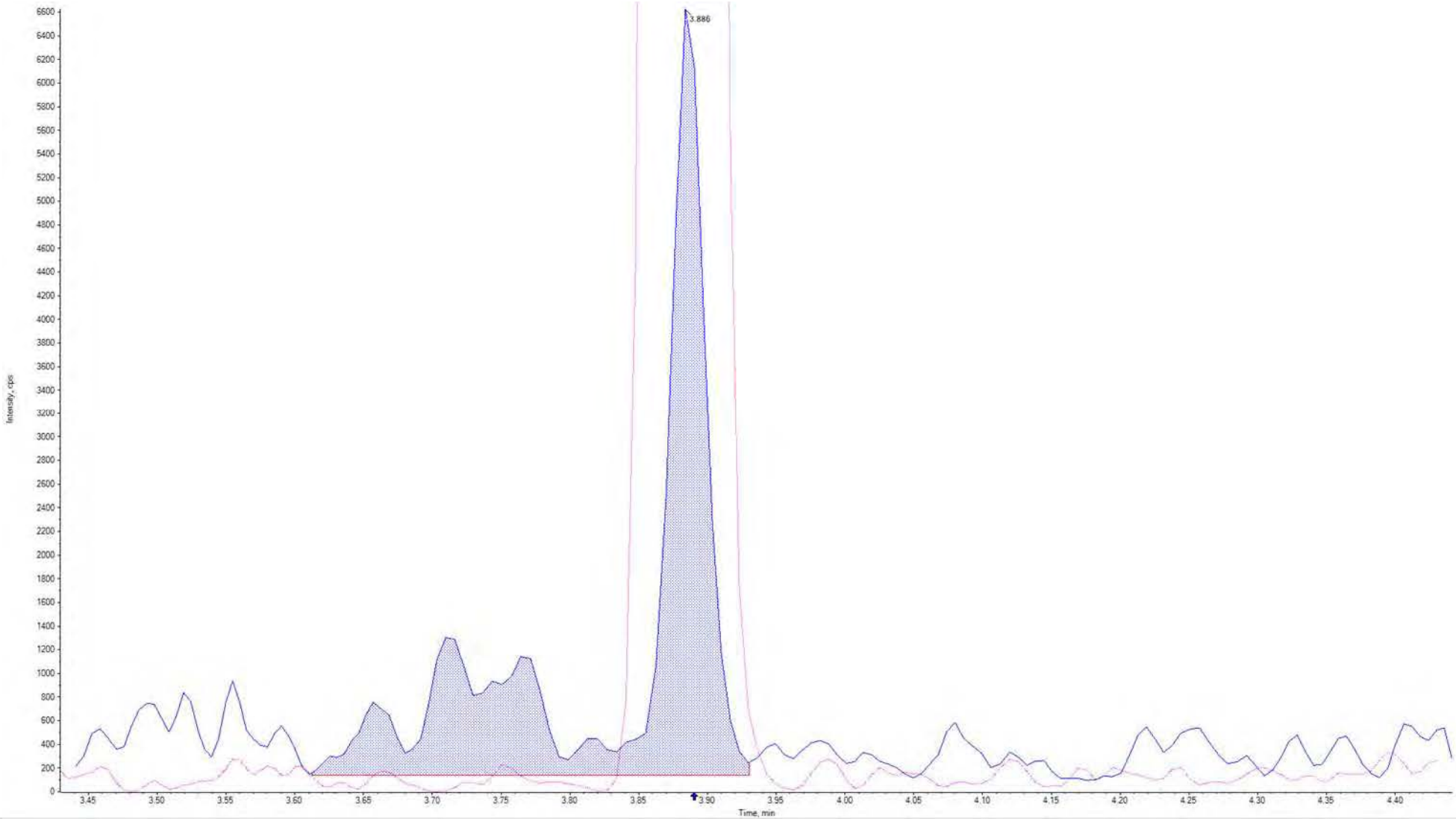
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFHpS_2
Sample: IA1633STD-.1 S/N:32.0 Points Across peak:23



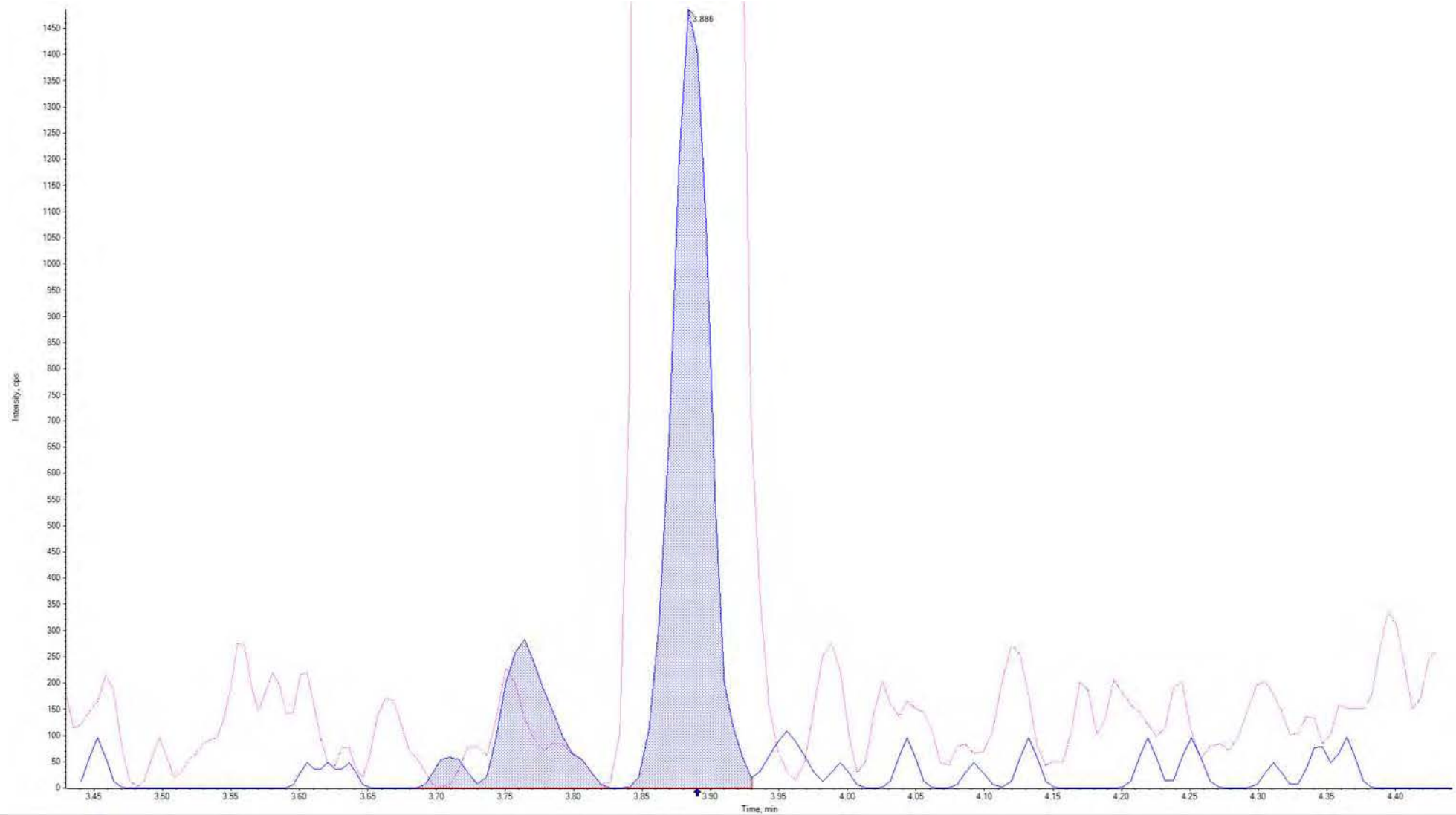
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2_1
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFOS
Sample: IA1633STD-.1 S/N:60.9 Points Across peak:52



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2_1
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFOS_2
Sample: IA1633STD-.1 S/N:29.8 Points Across peak:41



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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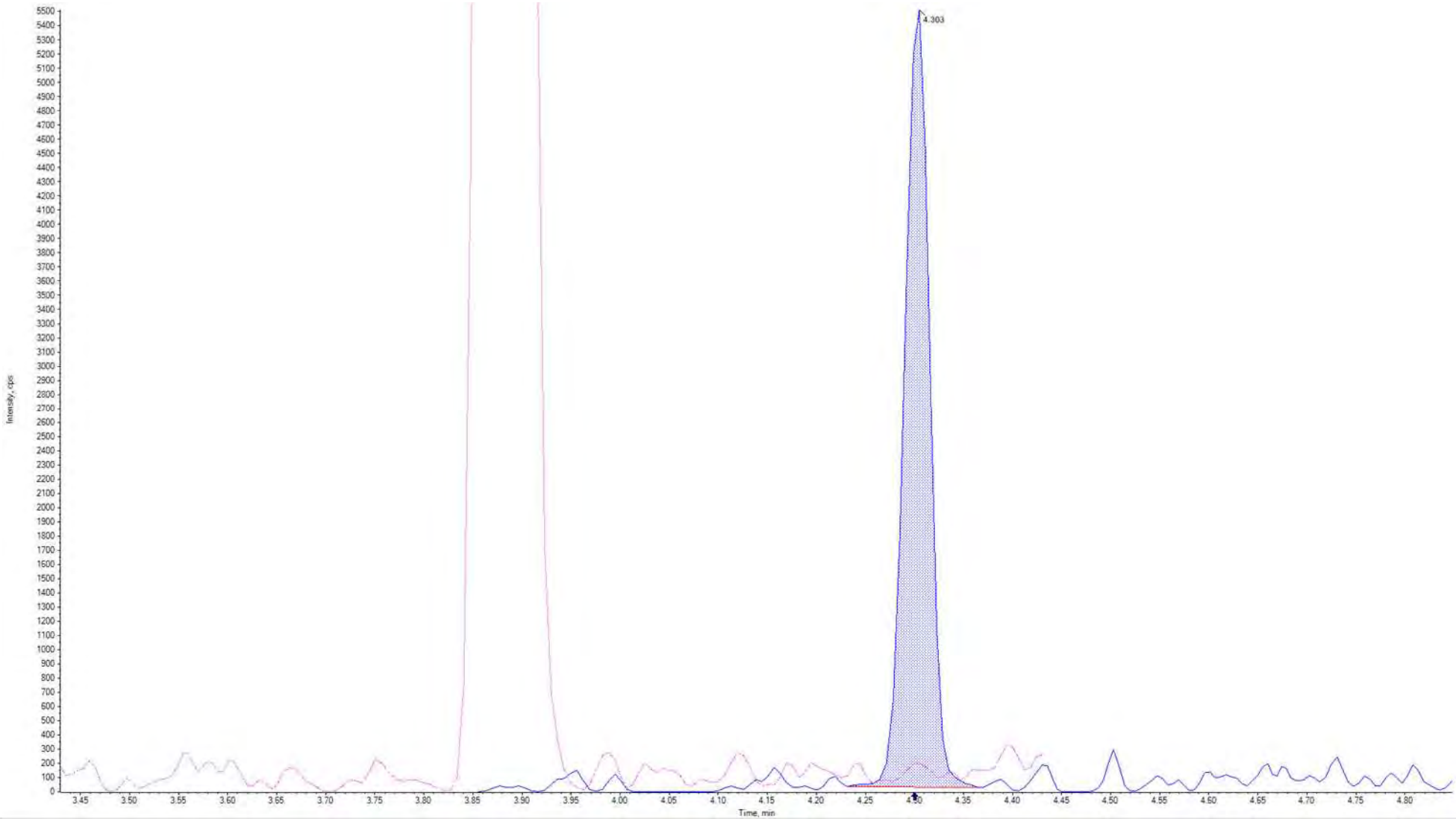
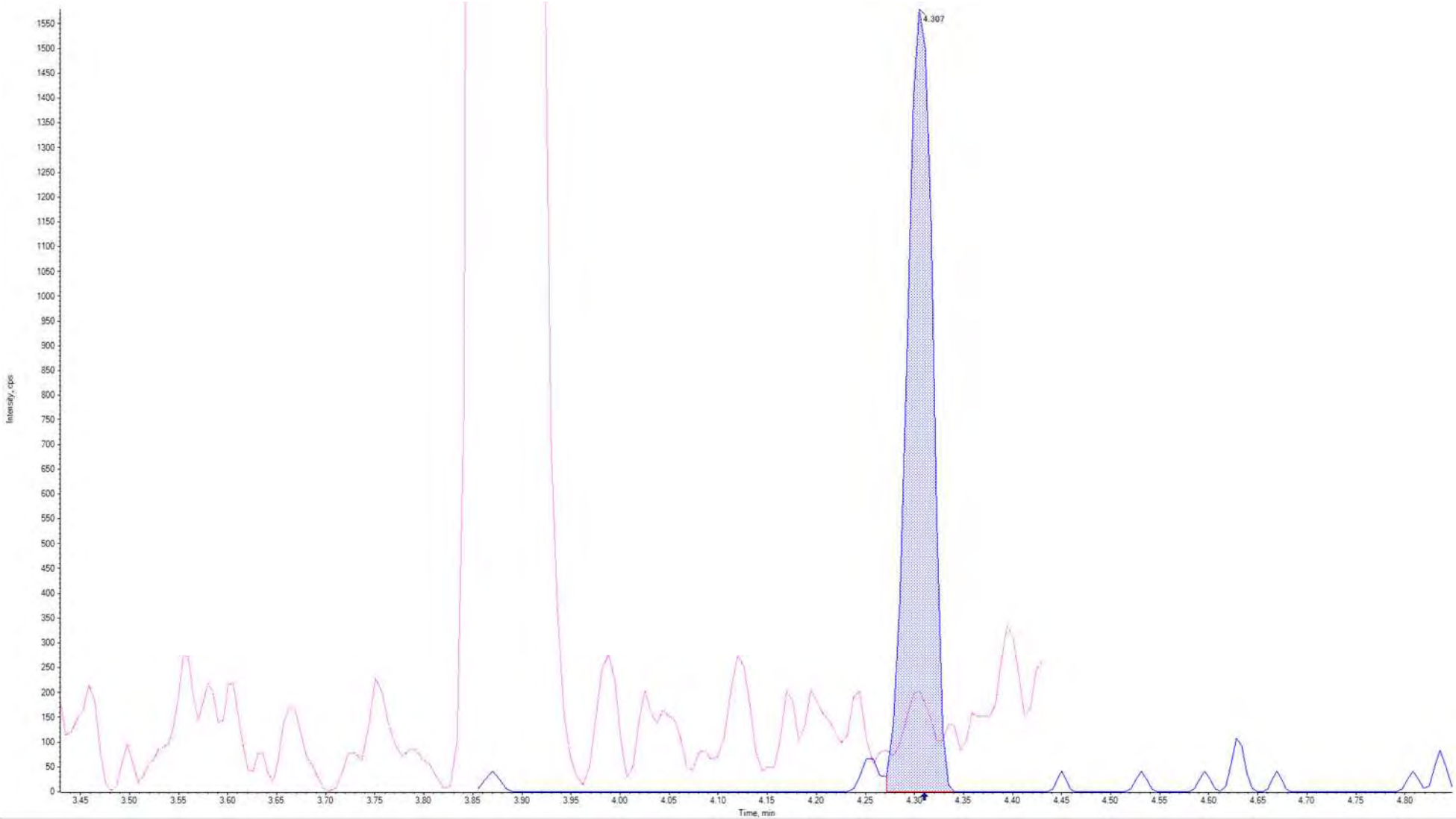
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFNS
Sample: IA1633STD-.1 S/N:137.3 Points Across peak:22



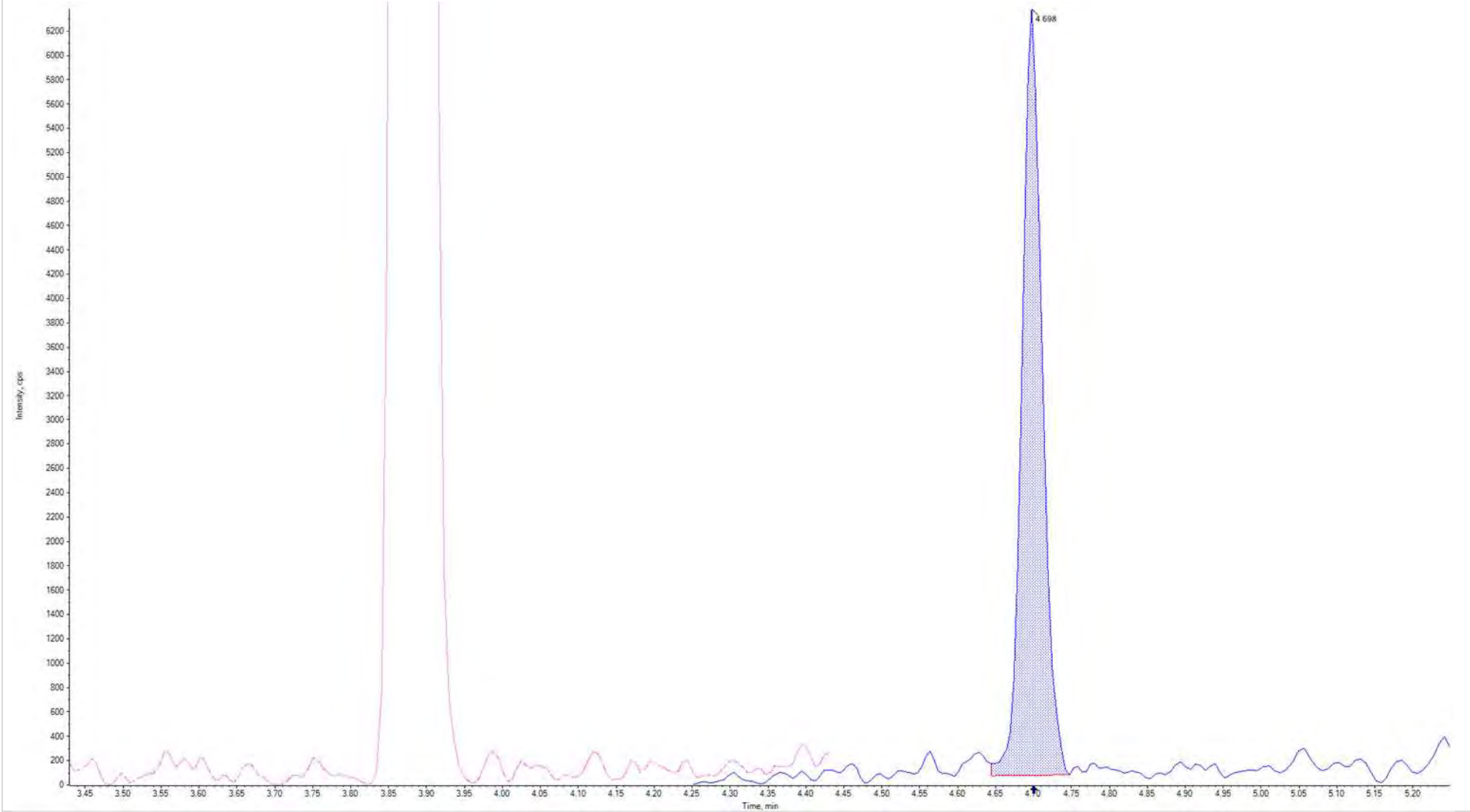
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2_1
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFNS_2
Sample: IA1633STD-.1 S/N:39.6 Points Across peak:17



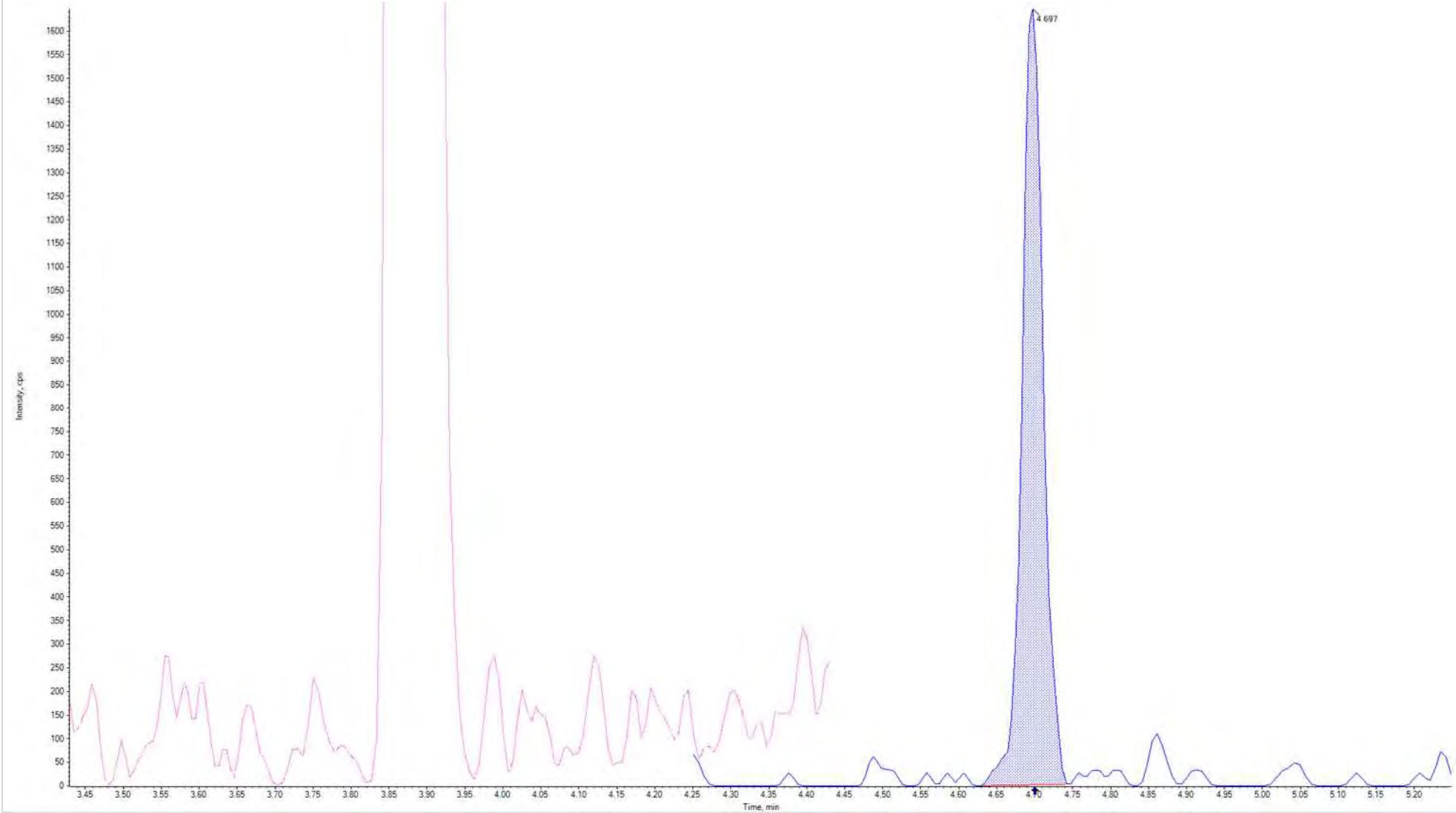
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2_1
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFDS
Sample: IA1633STD-.1 S/N:221.1 Points Across peak:21



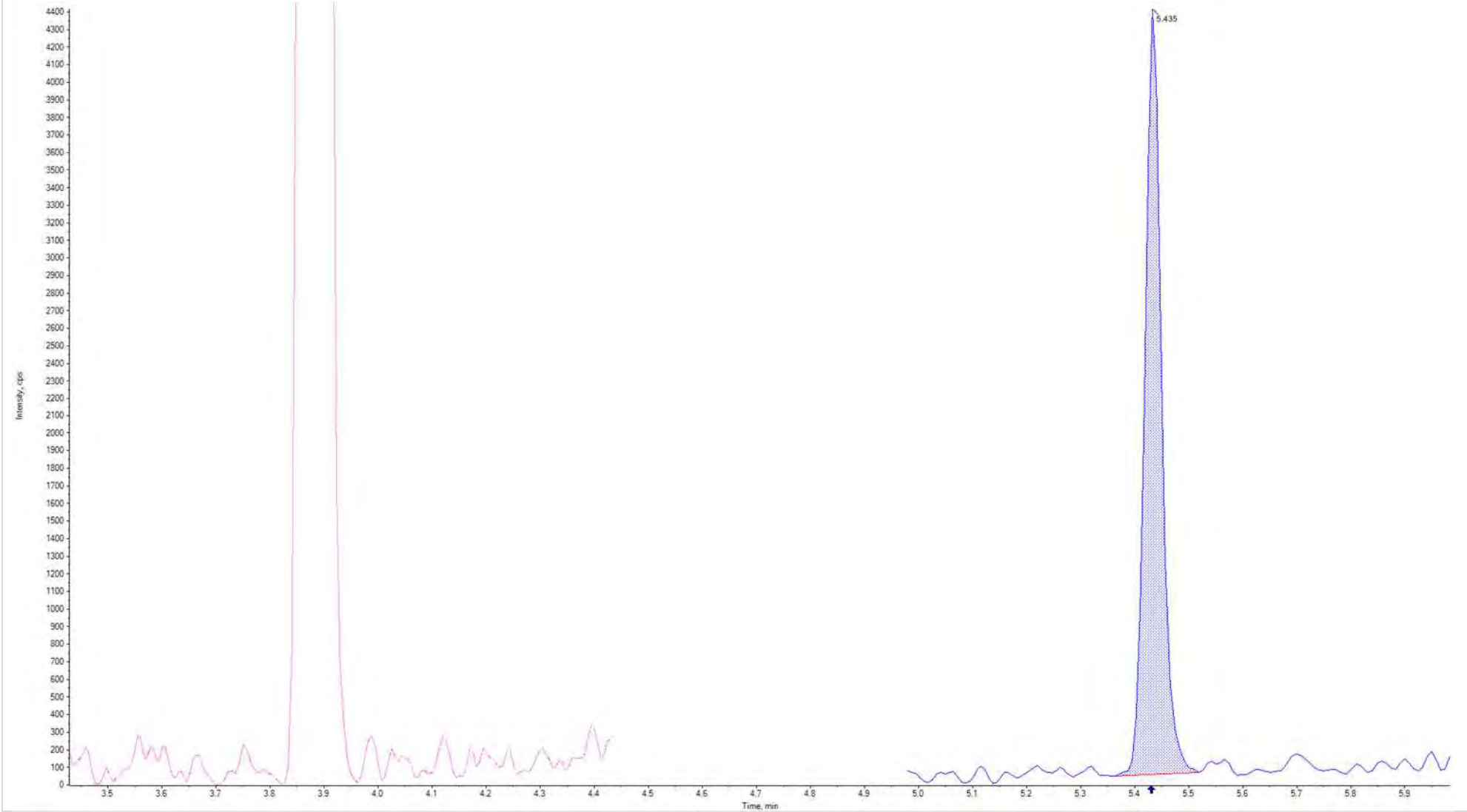
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2_1
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFDS_2
Sample: IA1633STD-.1 S/N:57.7 Points Across peak:24



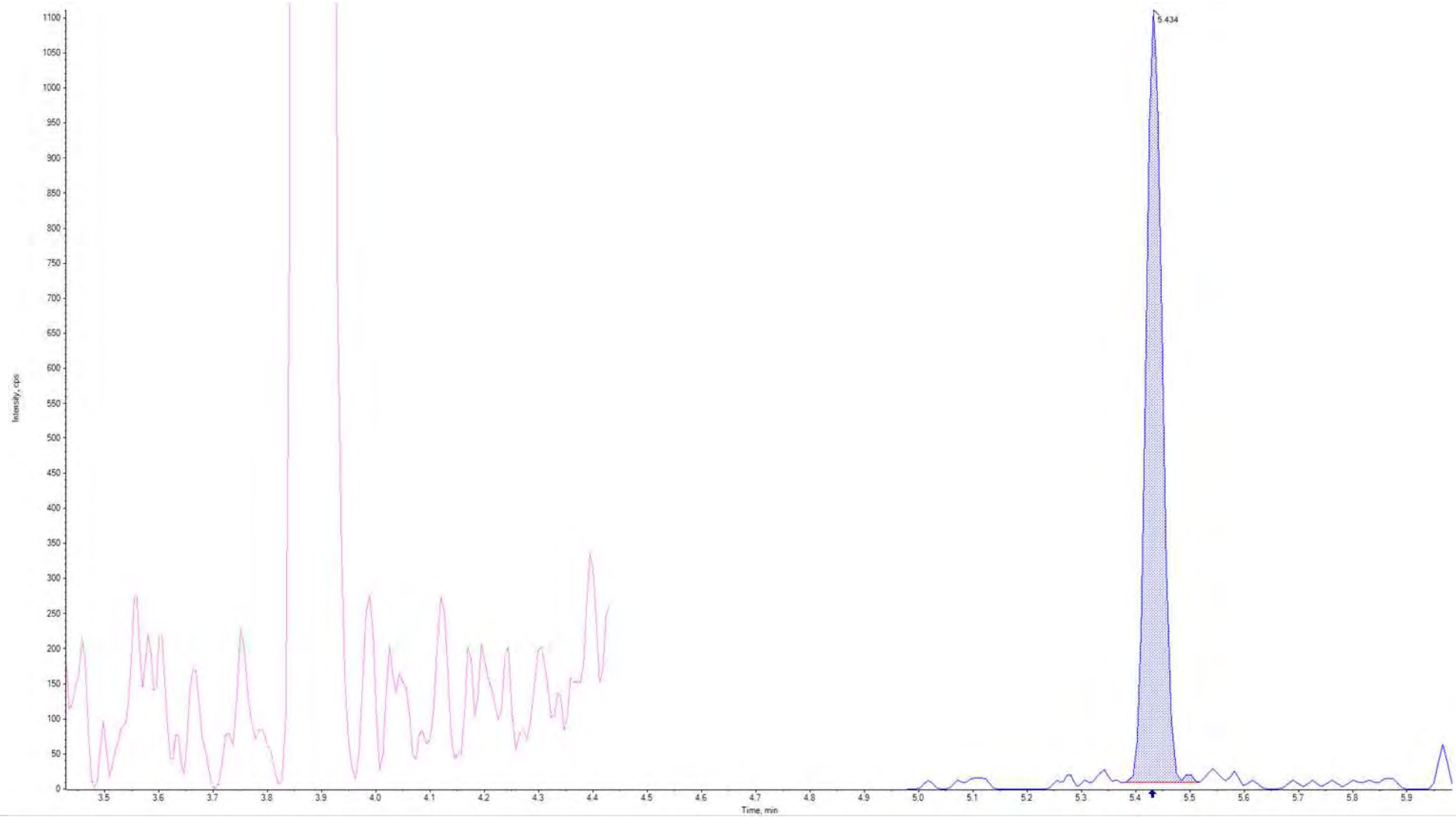
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2_1
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFDoS
Sample: IA1633STD-.1 S/N:338.5 Points Across peak:21



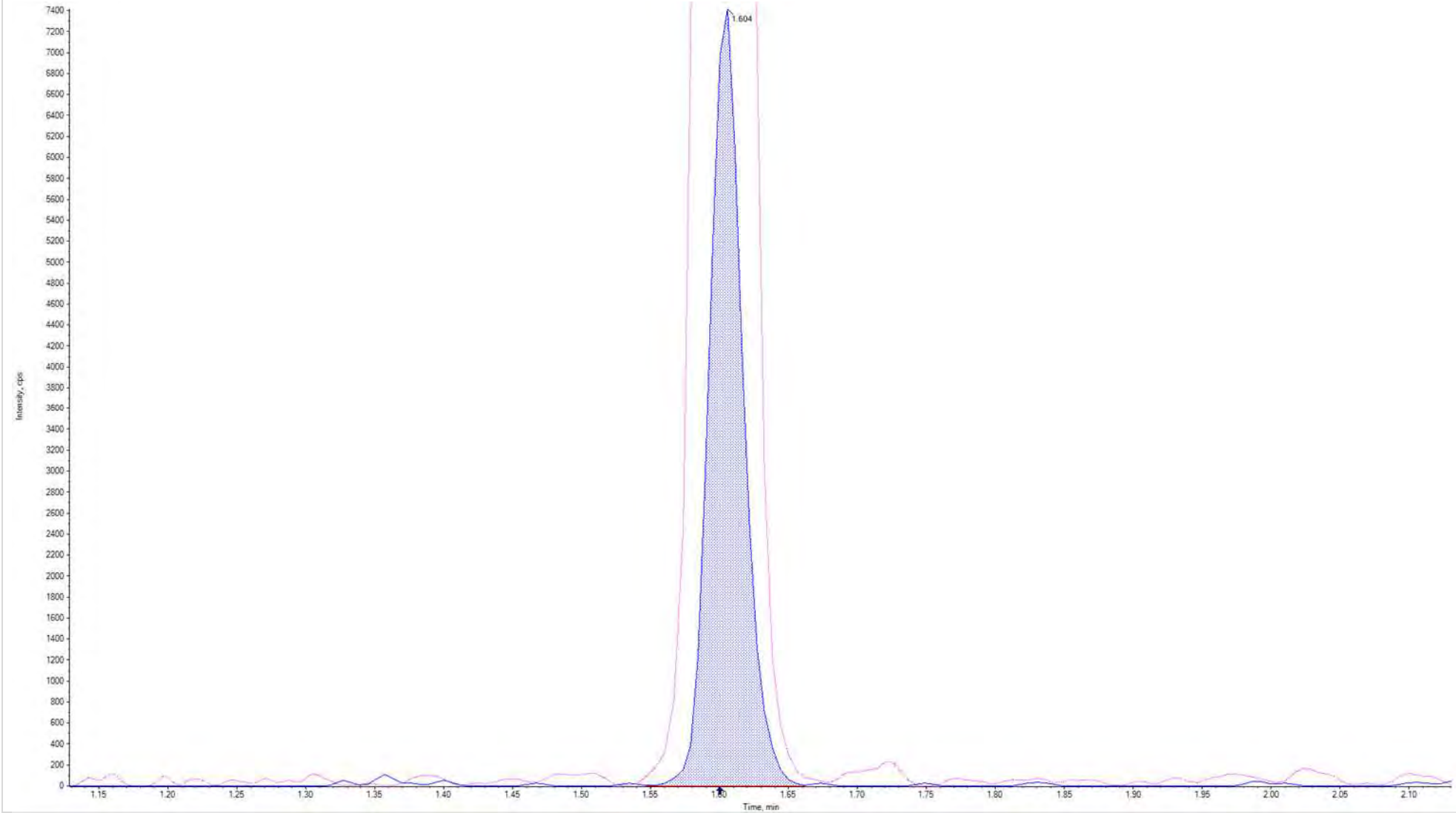
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2_1
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFDoS_2
Sample: IA1633STD-.1 S/N:85.6 Points Across peak:18



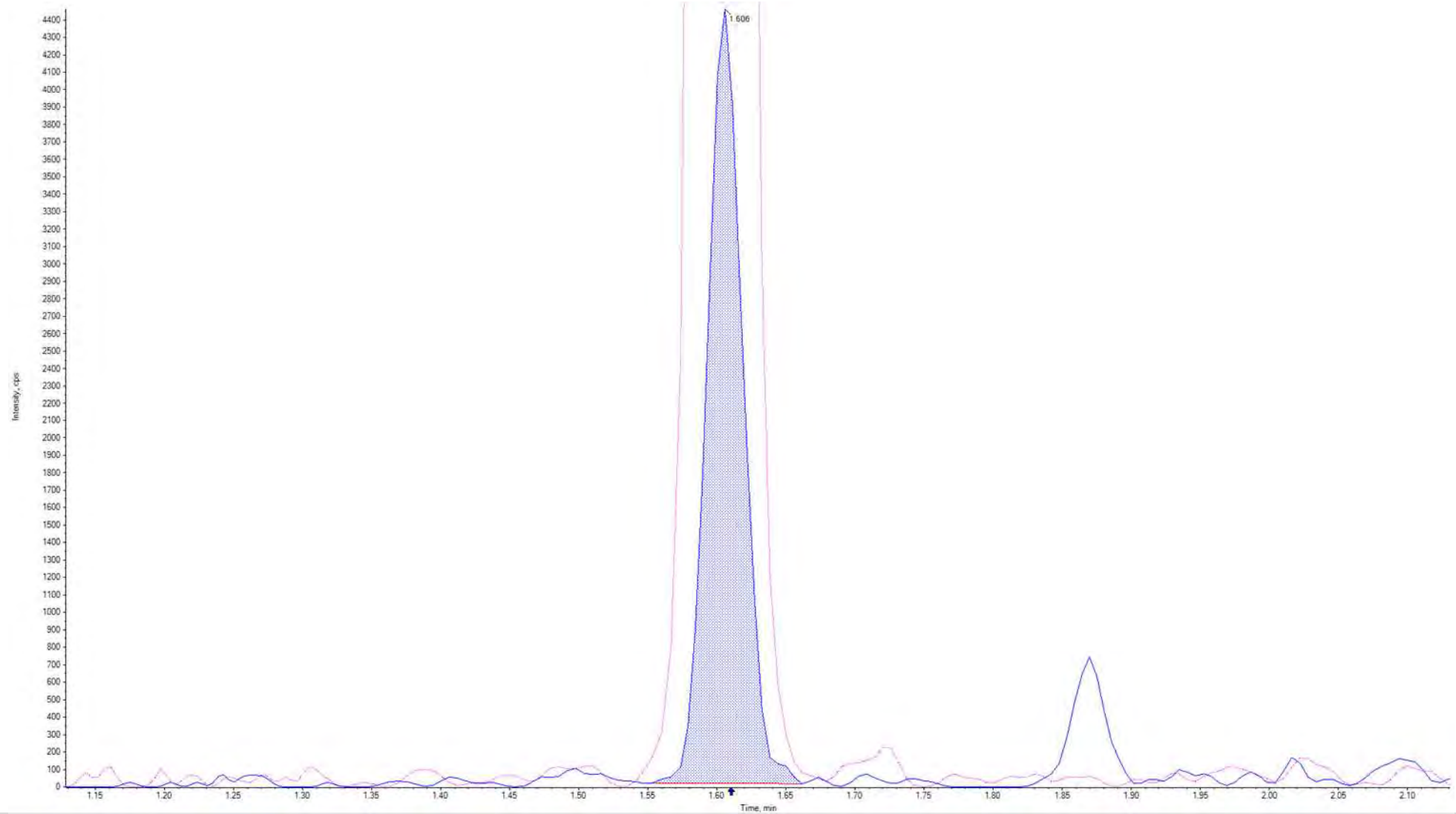
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2_1
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

4:2FTS
Sample: IA1633STD-.1 S/N:278.8 Points Across peak:21



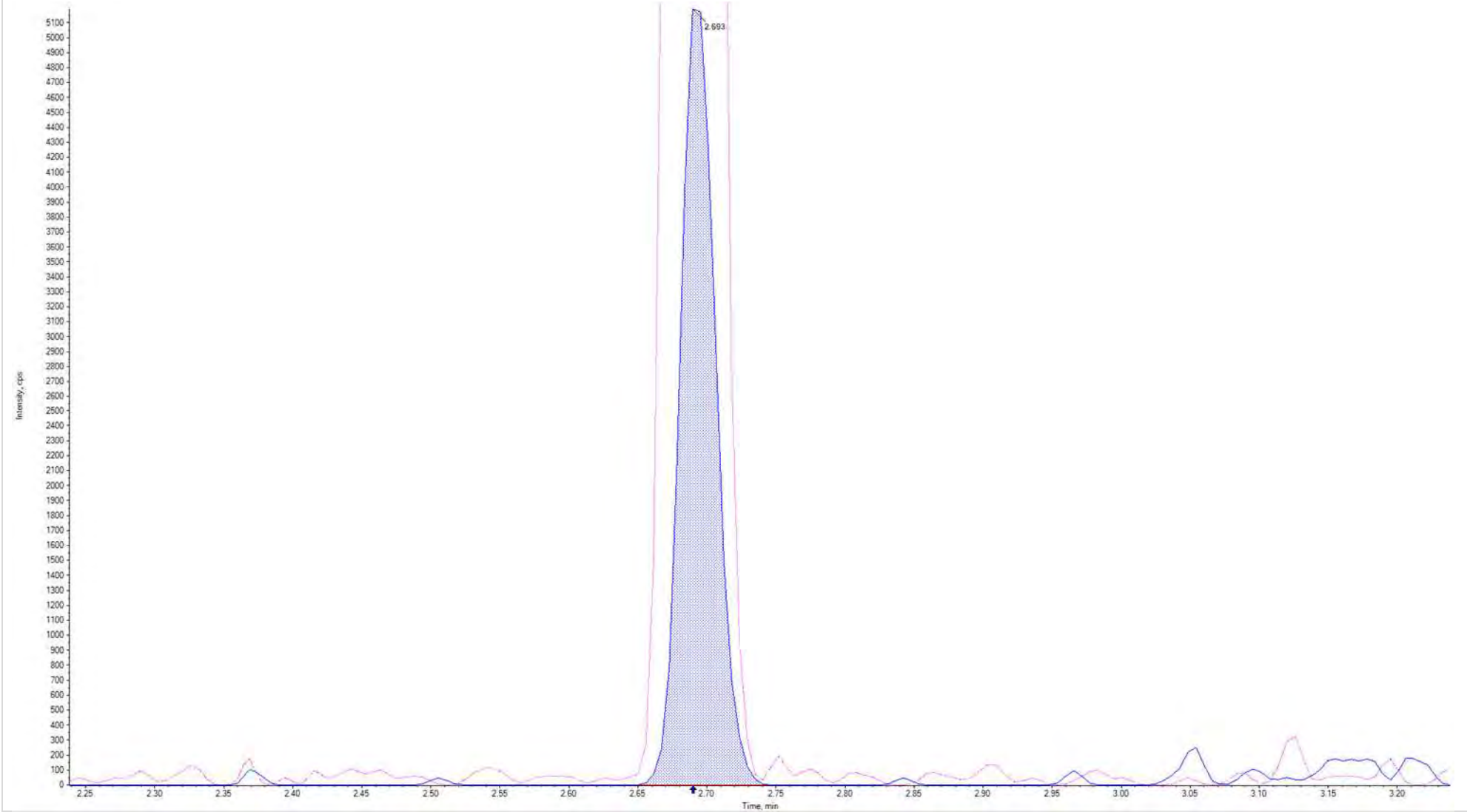
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2_1
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

4:2FTS_2
Sample: IA1633STD-.1 S/N:167.0 Points Across peak:21



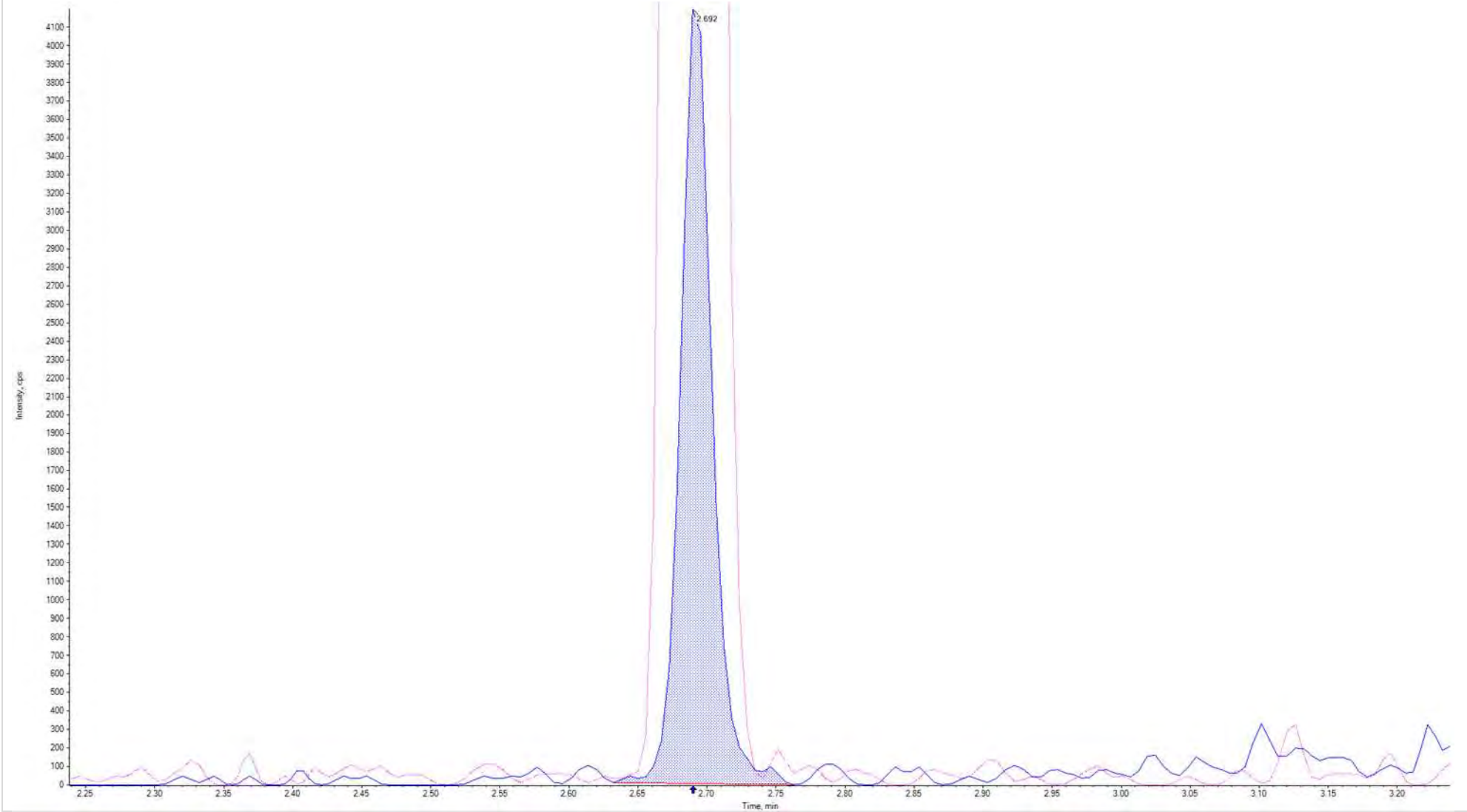
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2_1
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

6:2FTS
Sample: IA1633STD-.1 S/N:104.1 Points Across peak:28



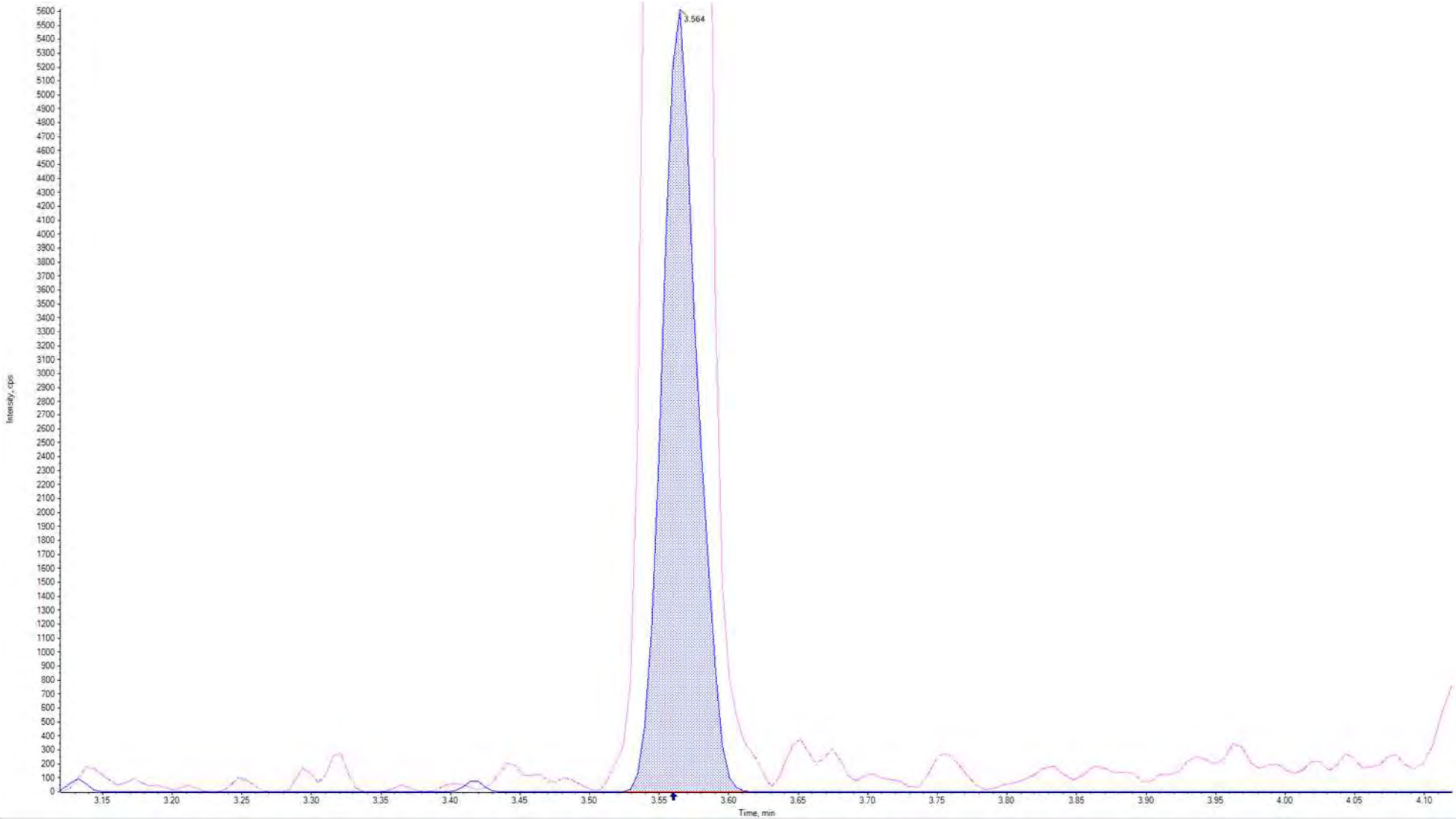
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2_1
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

6:2FTS_2
Sample: IA1633STD-.1 S/N:84.0 Points Across peak:24



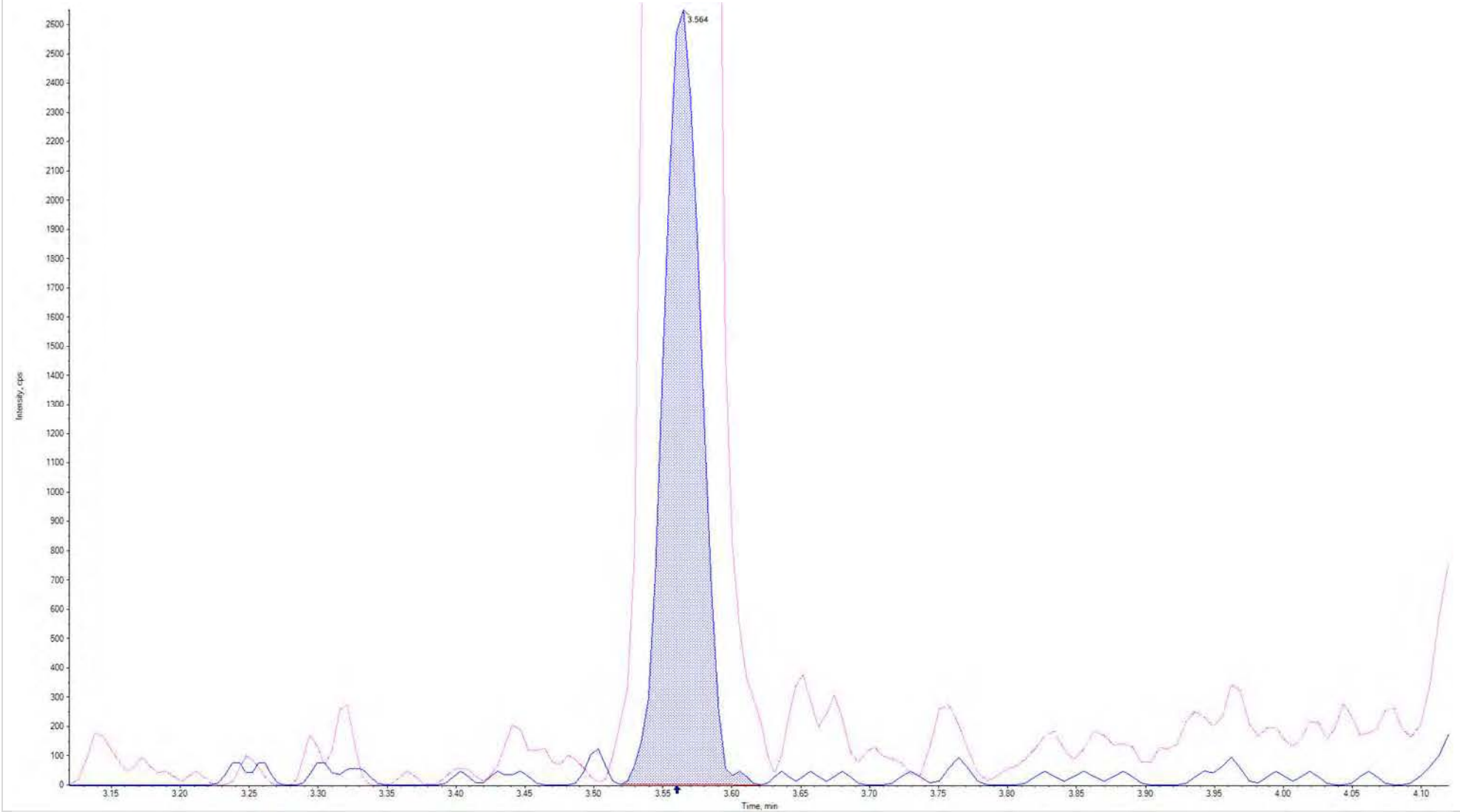
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2_1
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

8:2FTS
Sample: IA1633STD-.1 S/N:112.6 Points Across peak:29



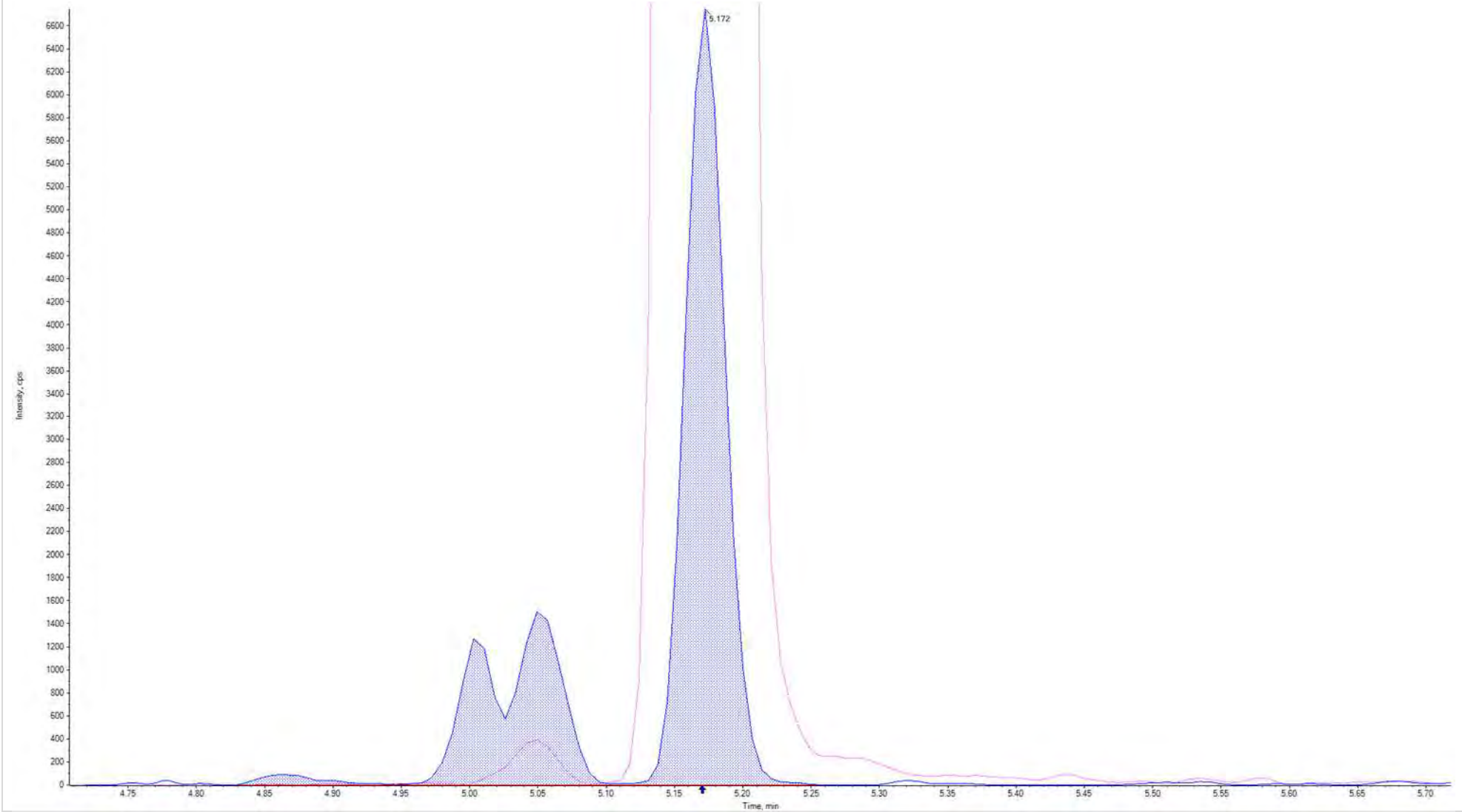
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2_1
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

8:2FTS_2
Sample: IA1633STD-.1 S/N:53.1 Points Across peak:21



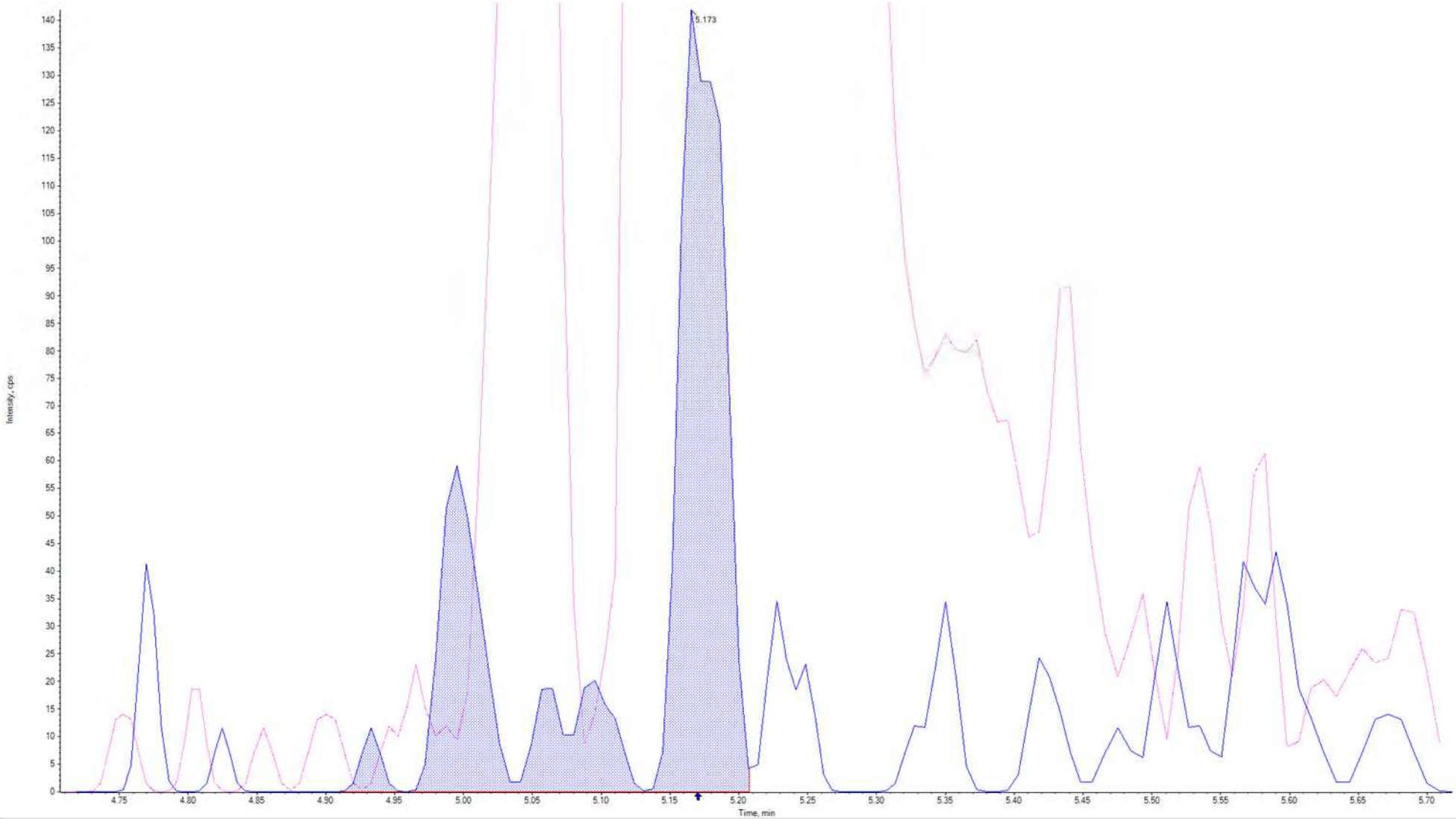
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2_1
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFOSA
Sample: IA1633STD-.1 S/N:270.5 Points Across peak:66



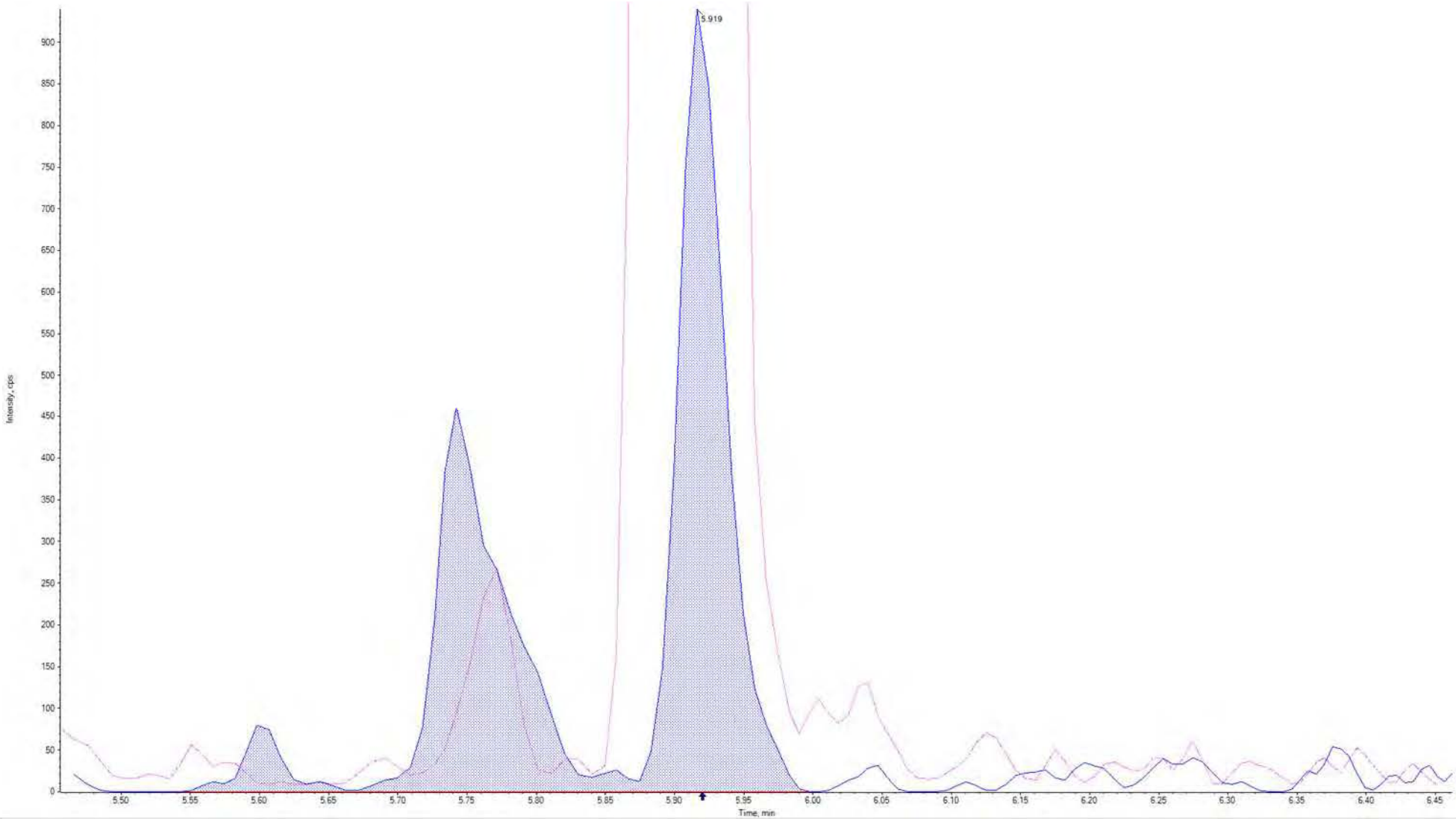
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2_1
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFOSA_2
Sample: IA1633STD-.1 S/N:12.5 Points Across peak:44



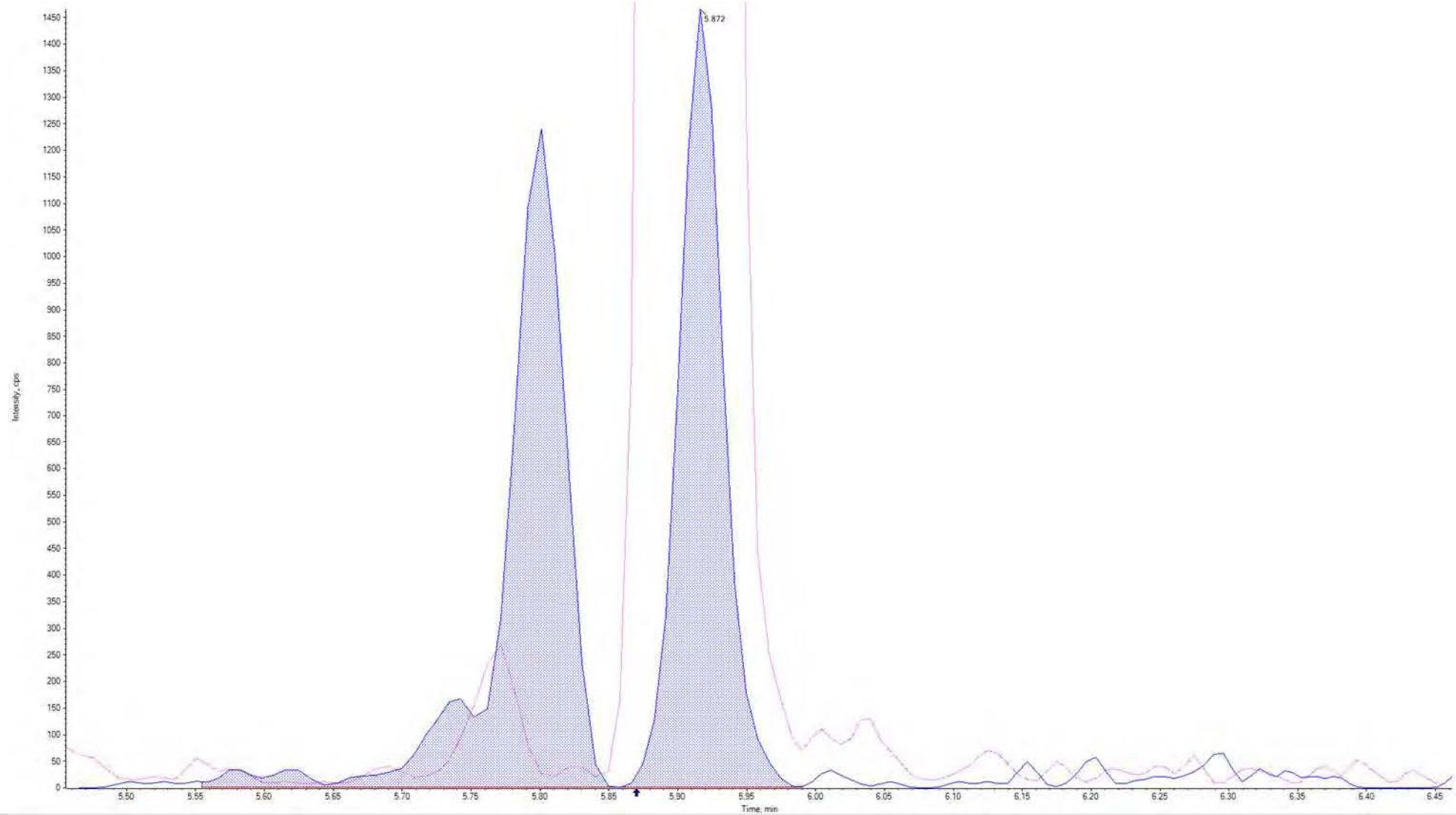
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2_1
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NMeFOSA
Sample: IA1633STD-.1 S/N:77.7 Points Across peak:55



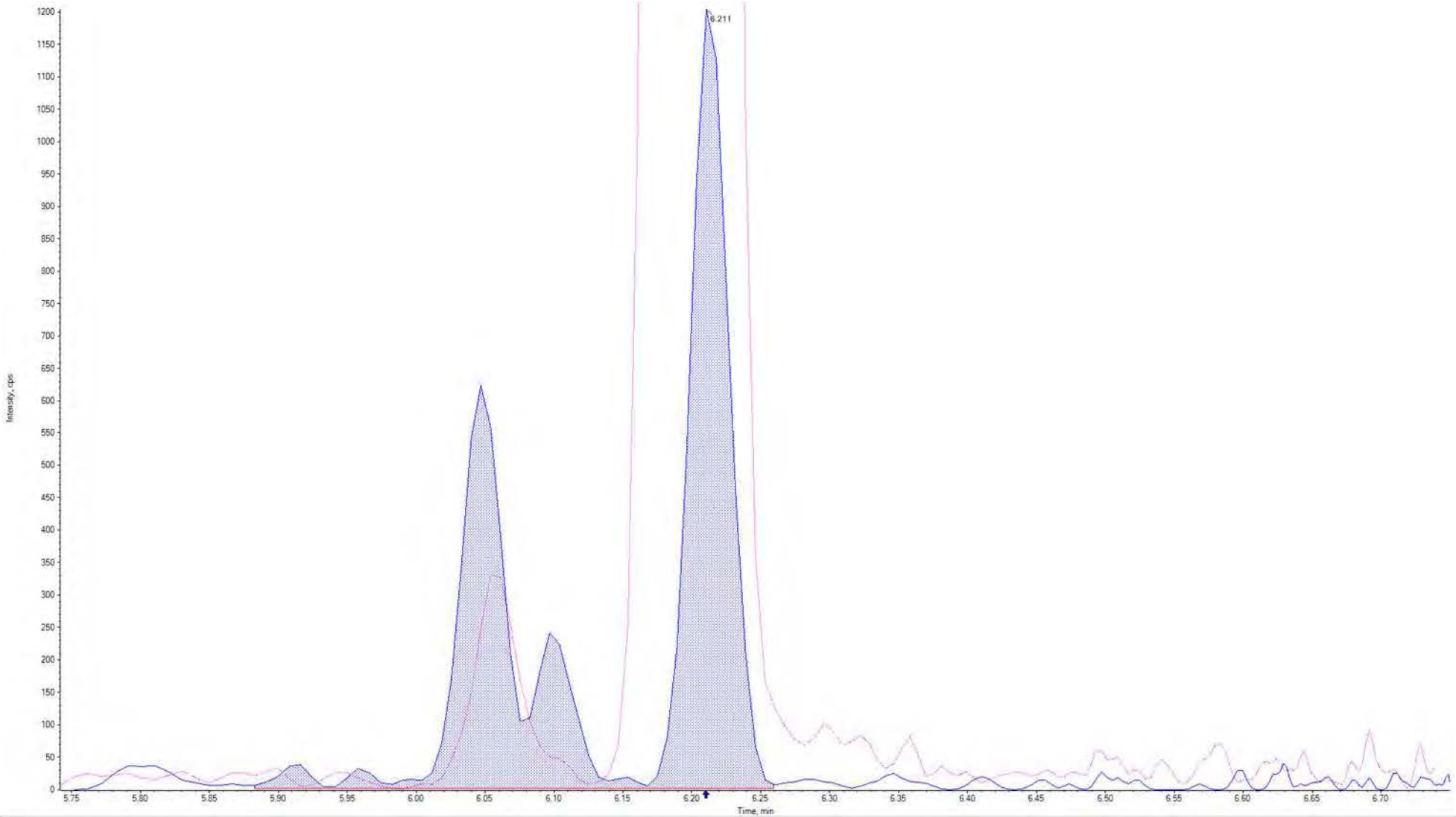
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2_1
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NMeFOSA_2
Sample: IA1633STD-.1 S/N:92.8 Points Across peak:51



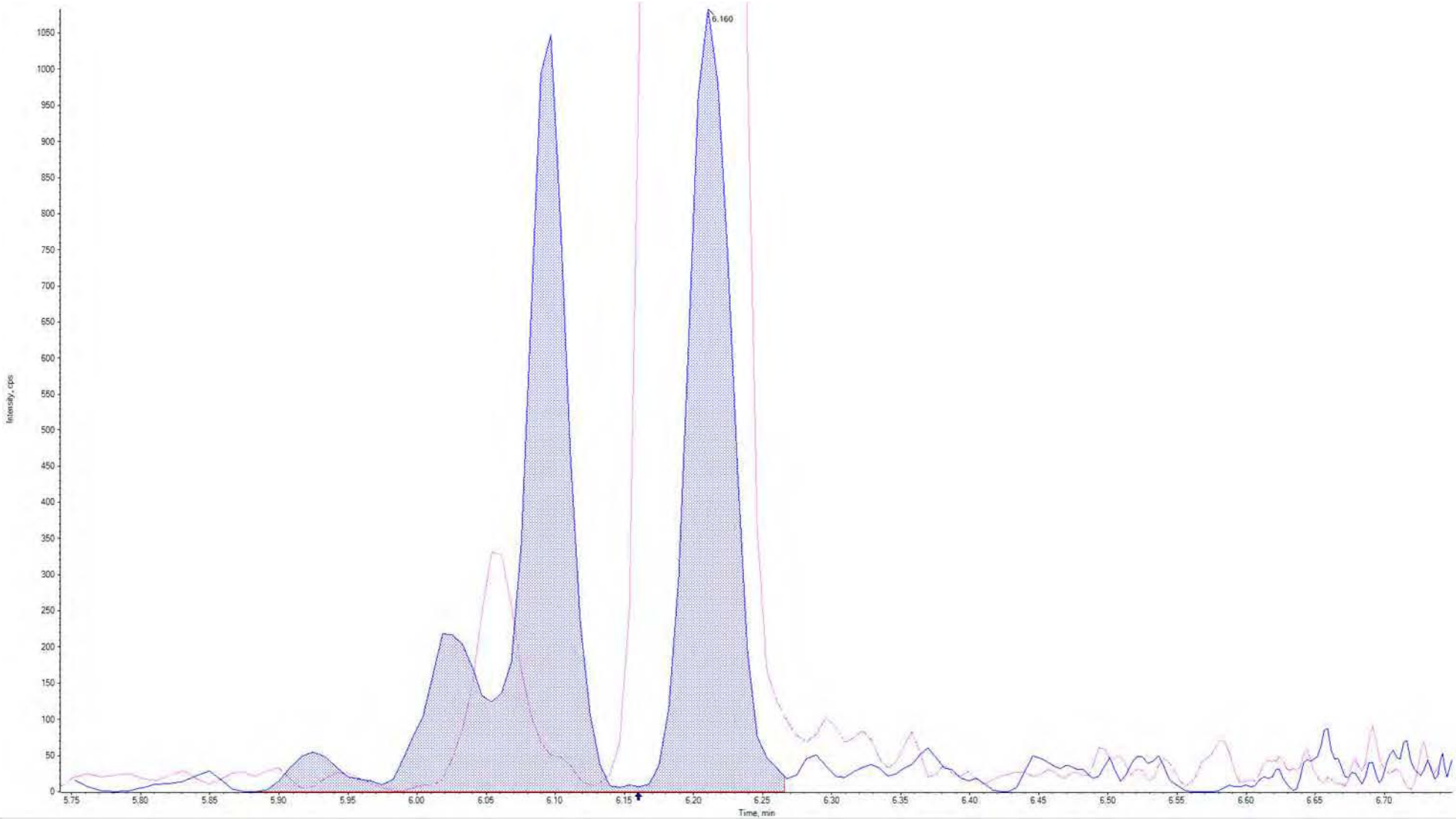
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2_1
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NEtFOSA
Sample: IA1633STD-.1 S/N:129.5 Points Across peak:53



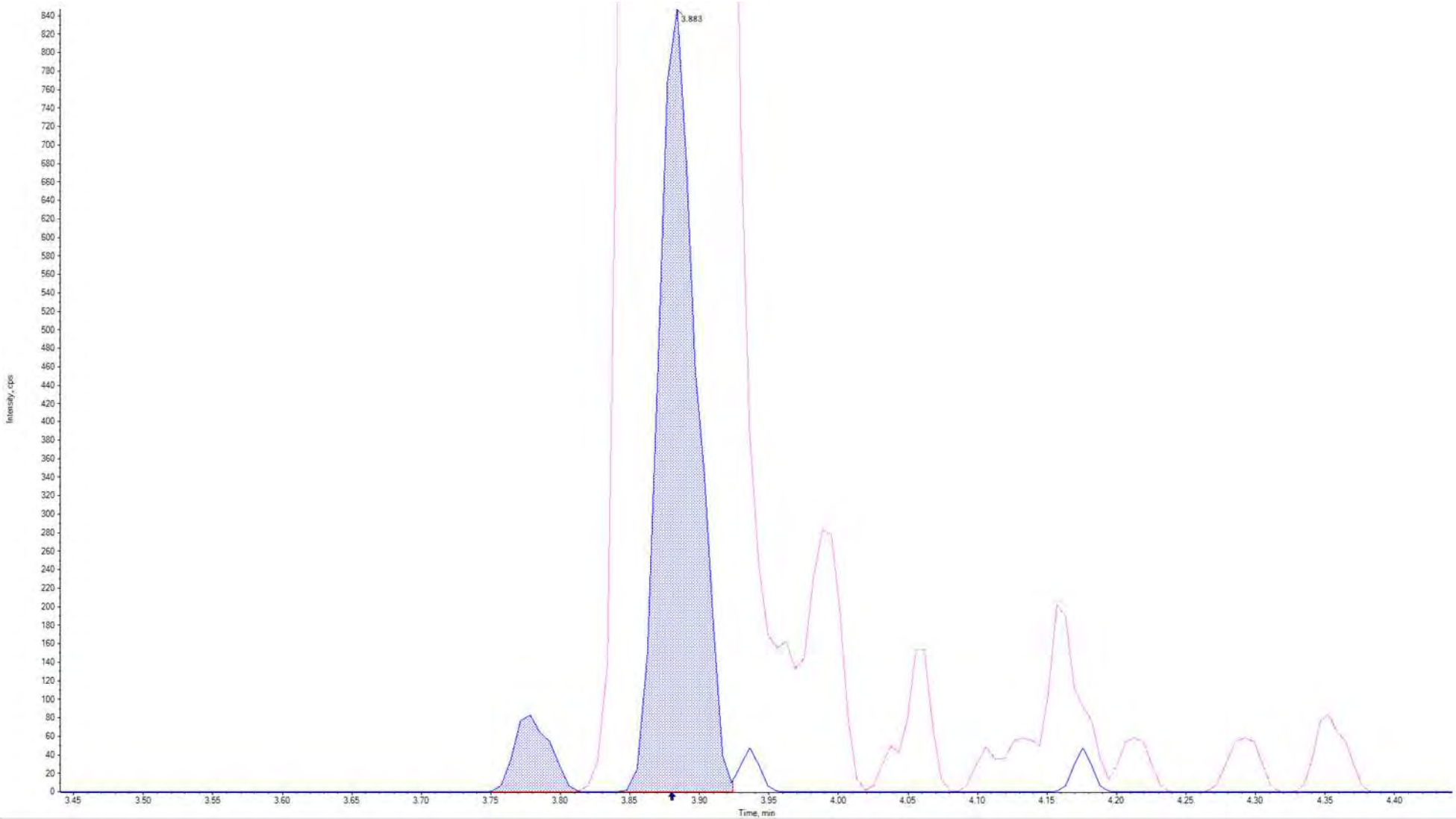
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2_1
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NEtFOSA_2
Sample: IA1633STD-.1 S/N:79.8 Points Across peak:54



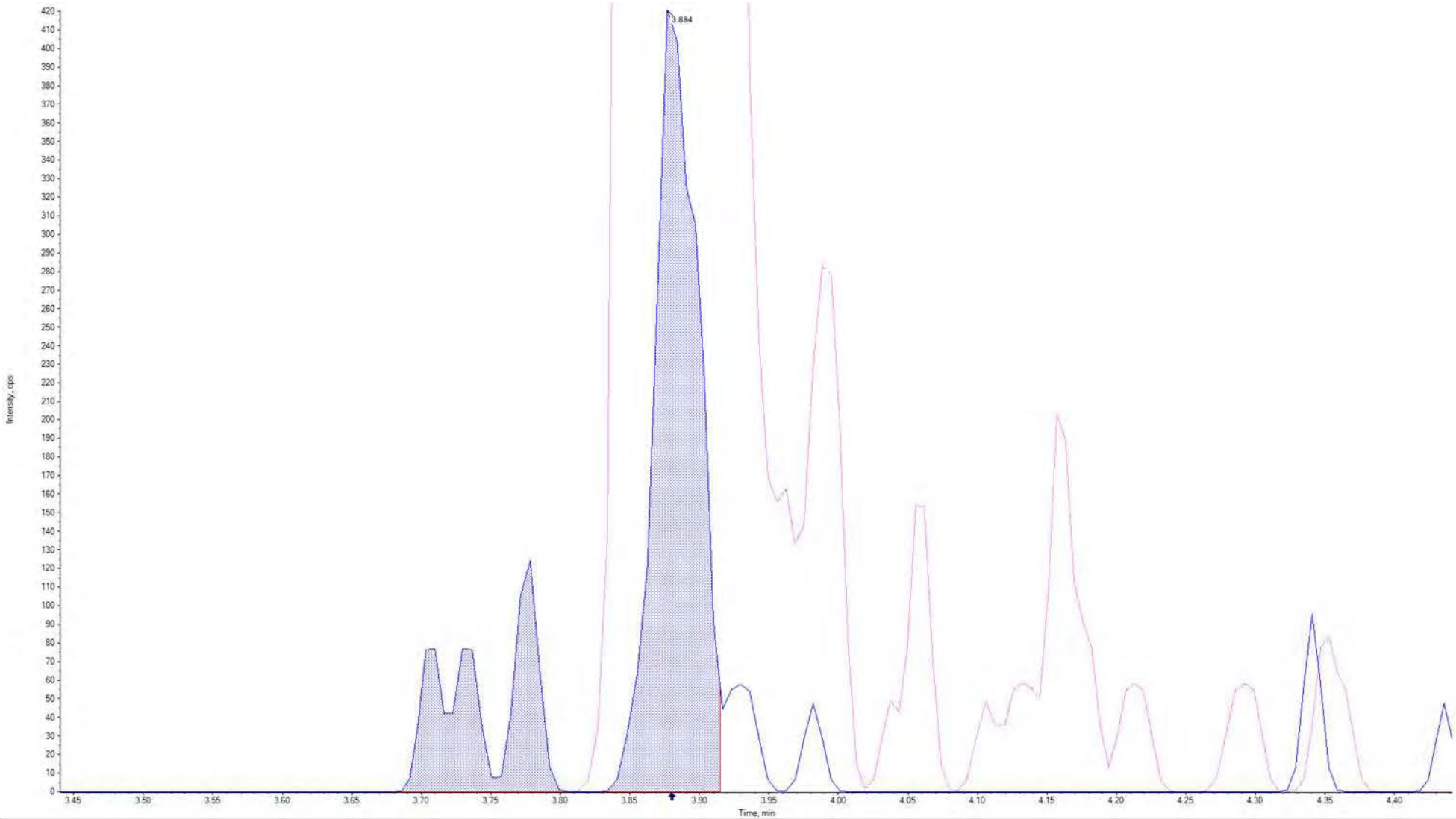
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2_1
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NMeFOSAA
Sample: IA1633STD-.1 S/N:17.0 Points Across peak:29

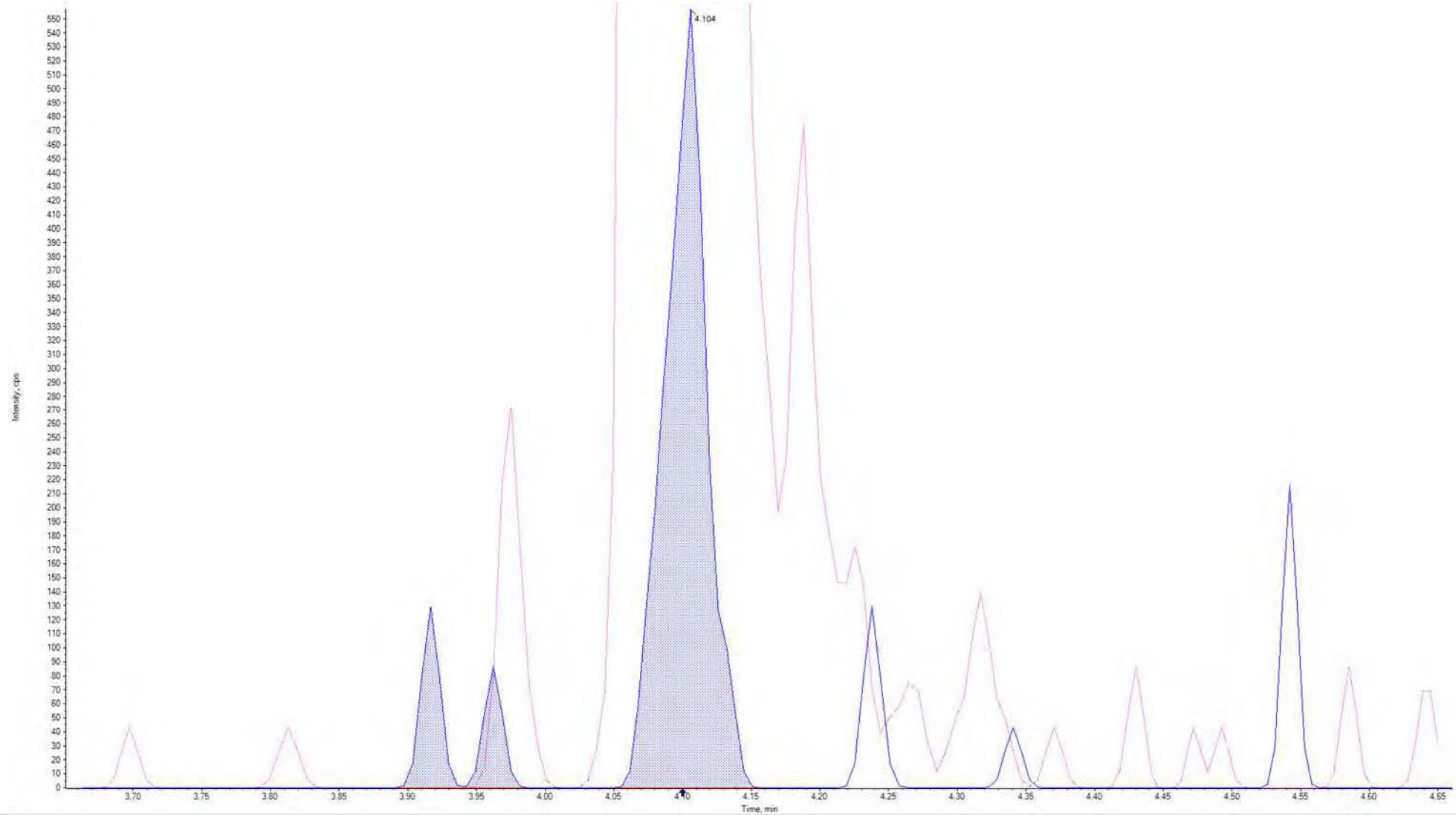


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2_1
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NMeFOSAA_2
Sample: IA1633STD-.1 S/N:8.4 Points Across peak:37



NEtFOSAA
Sample: IA1633STD-.1 S/N:12.6 Points Across peak:45



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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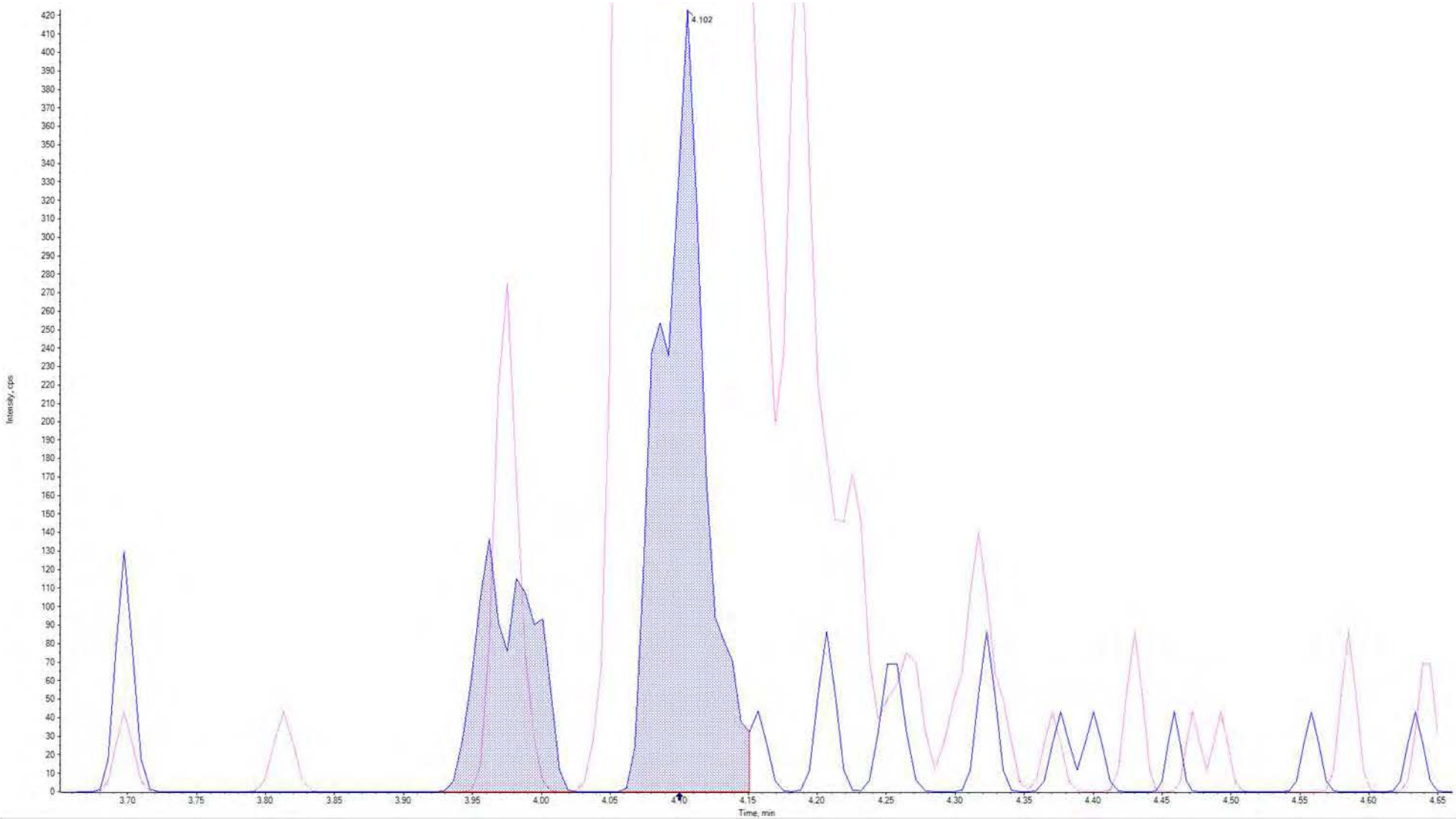
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NEtFOSAA_2
Sample: IA1633STD-.1 S/N:9.5 Points Across peak:38



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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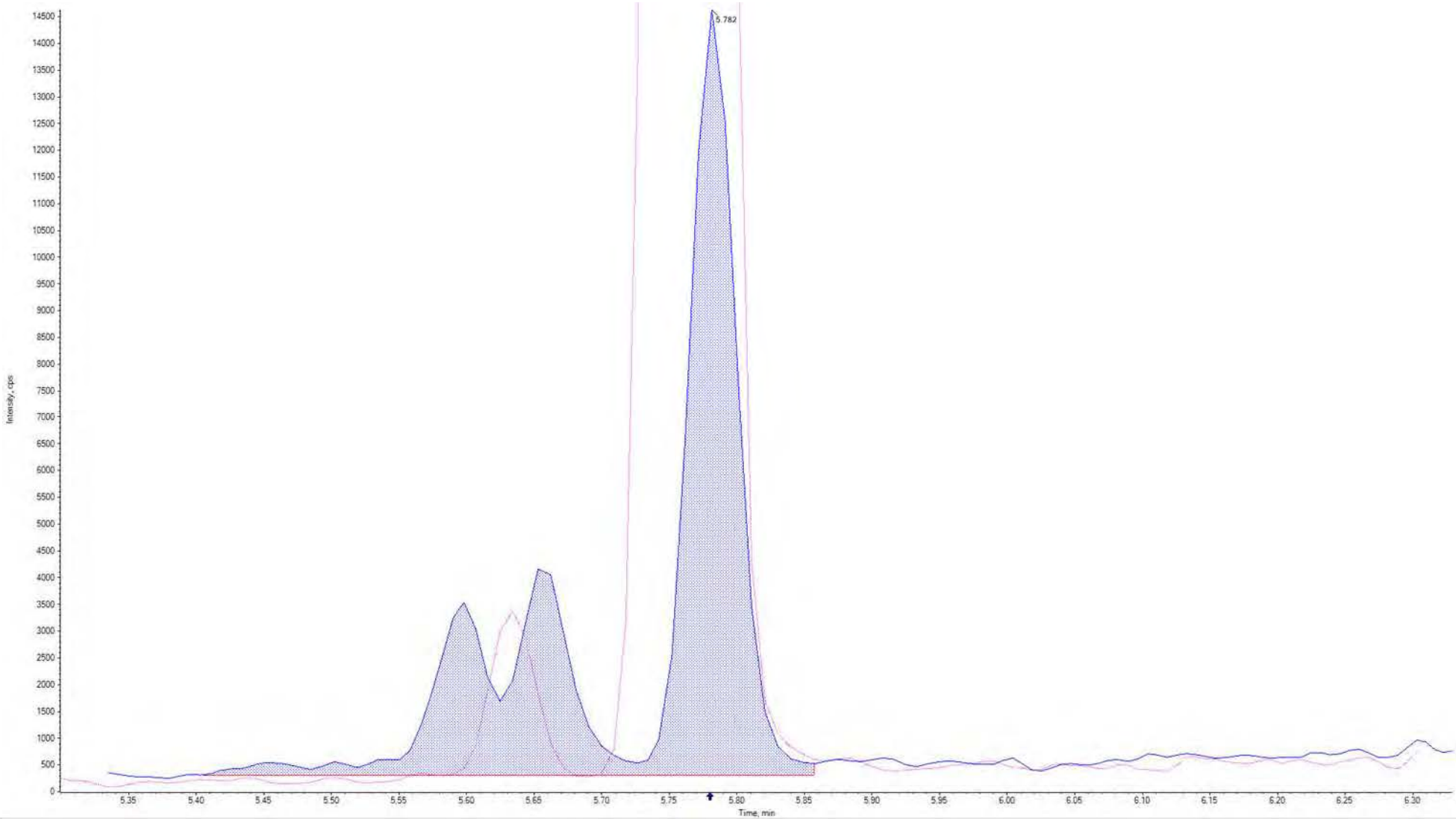
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NMeFOSE
Sample: IA1633STD-.1 S/N:98.0 Points Across peak:53



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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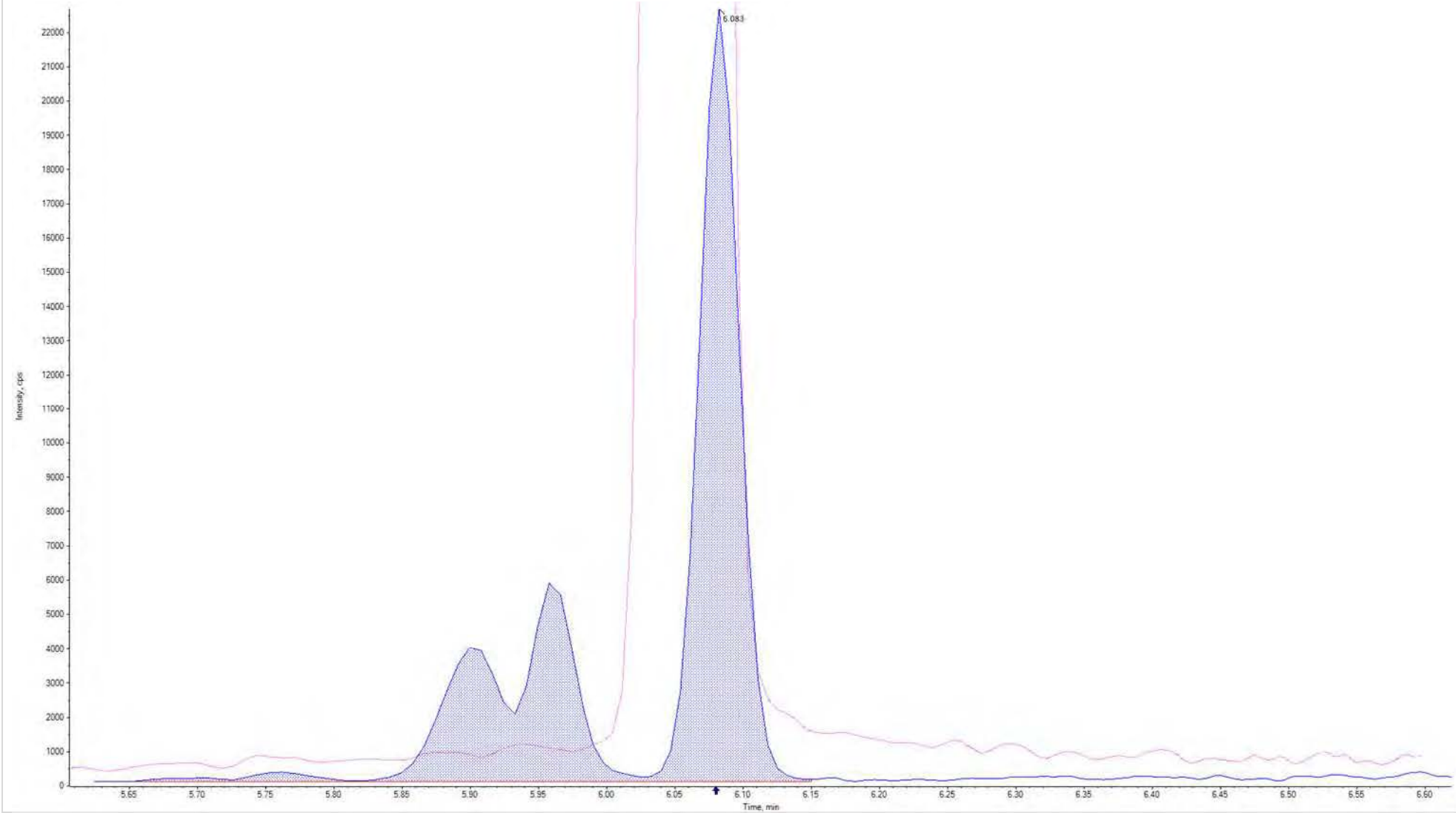
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NEtFOSE
Sample: IA1633STD-.1 S/N:217.7 Points Across peak:63



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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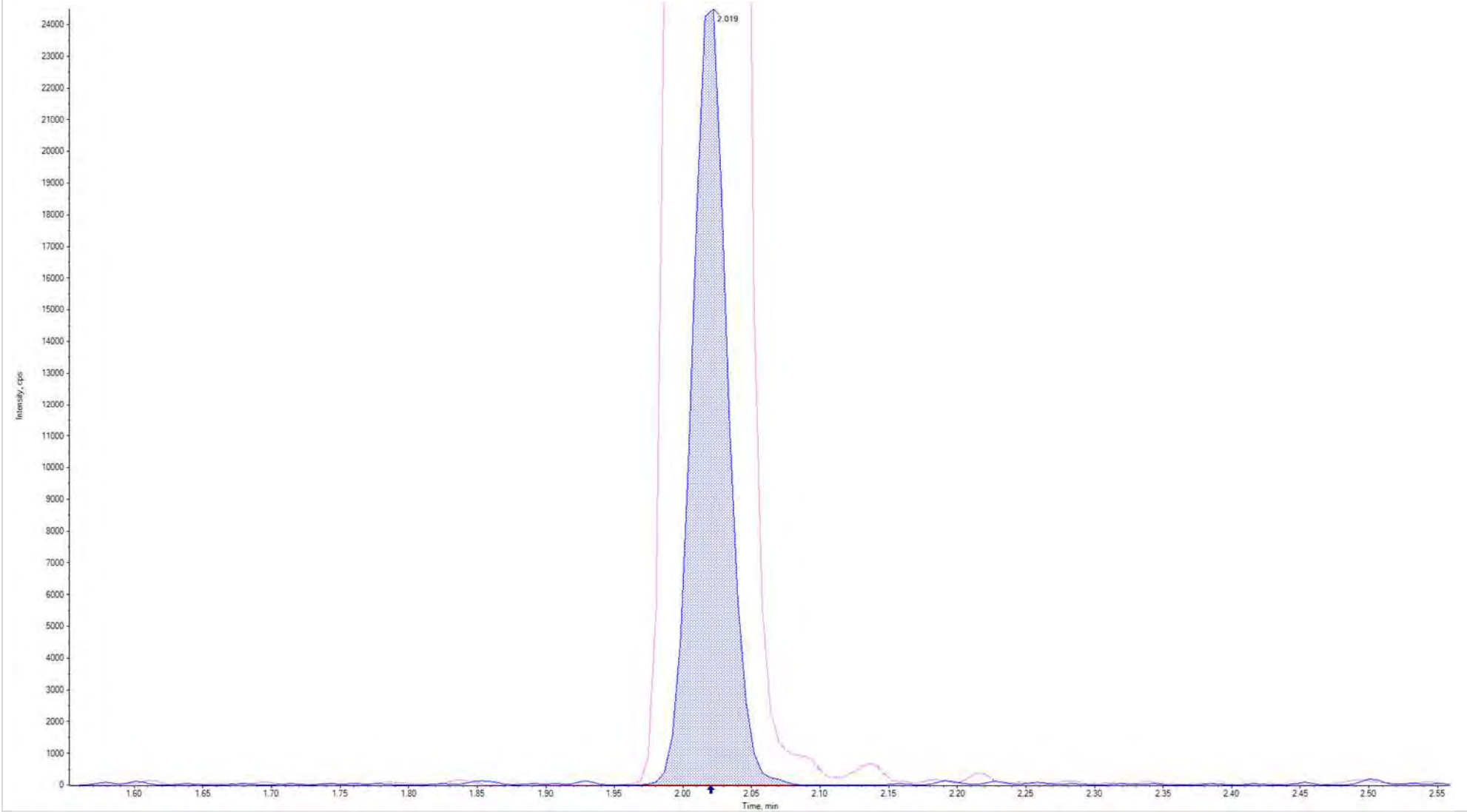
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

HFPO-DA
Sample: IA1633STD-.1 S/N:552.5 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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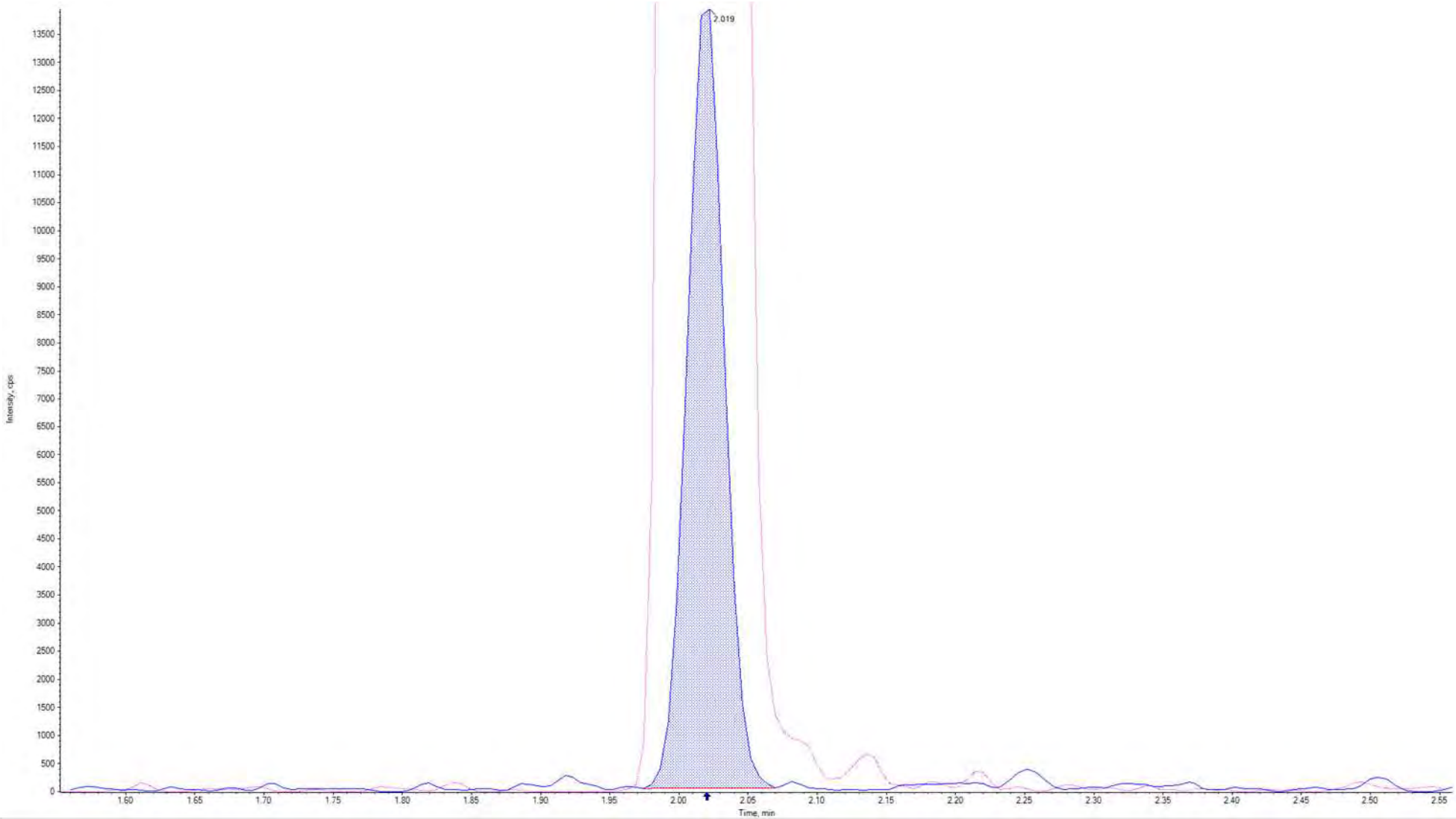
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

HFPO-DA_2
Sample: IA1633STD-.1 S/N:313.2 Points Across peak:17



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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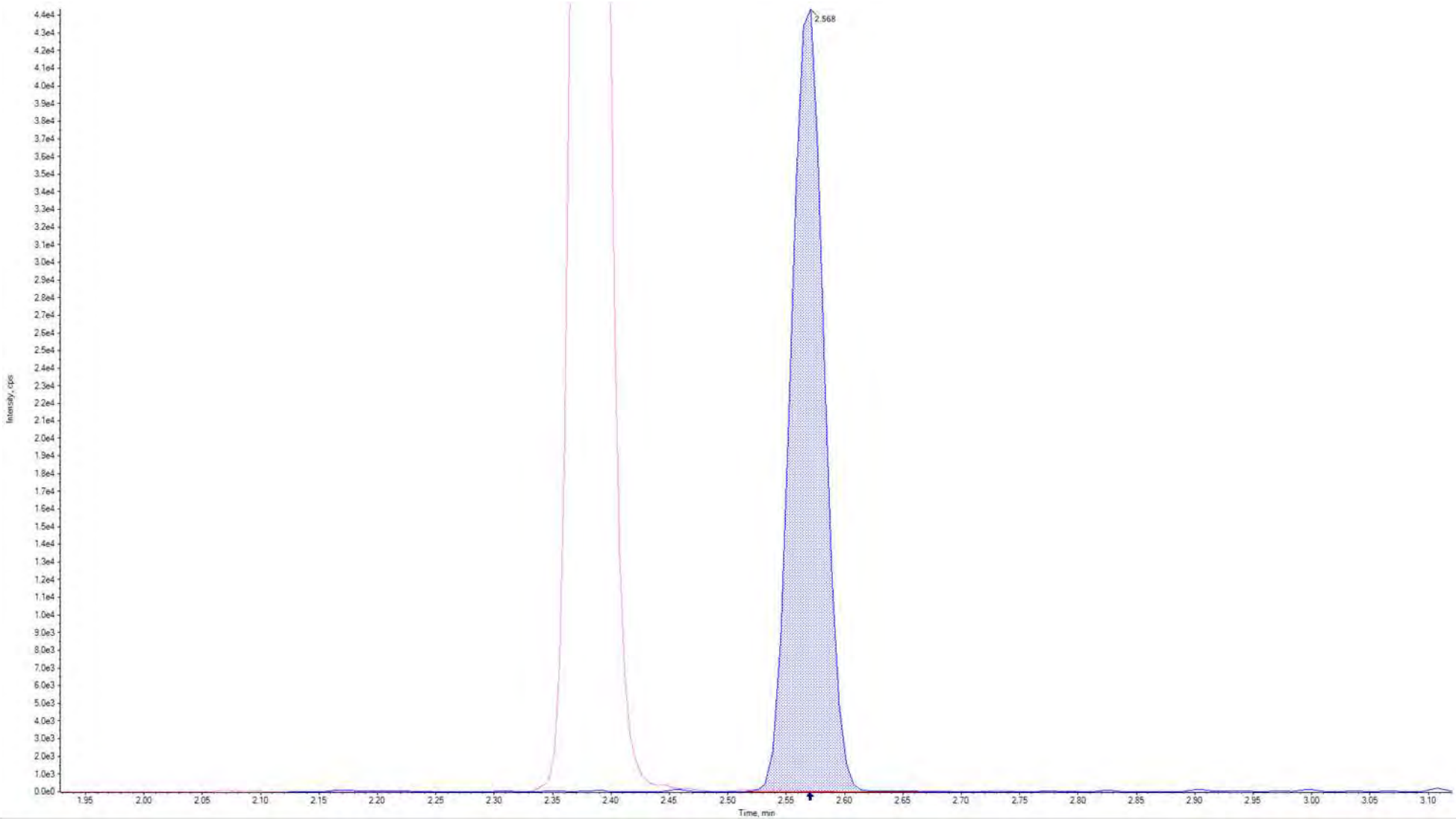
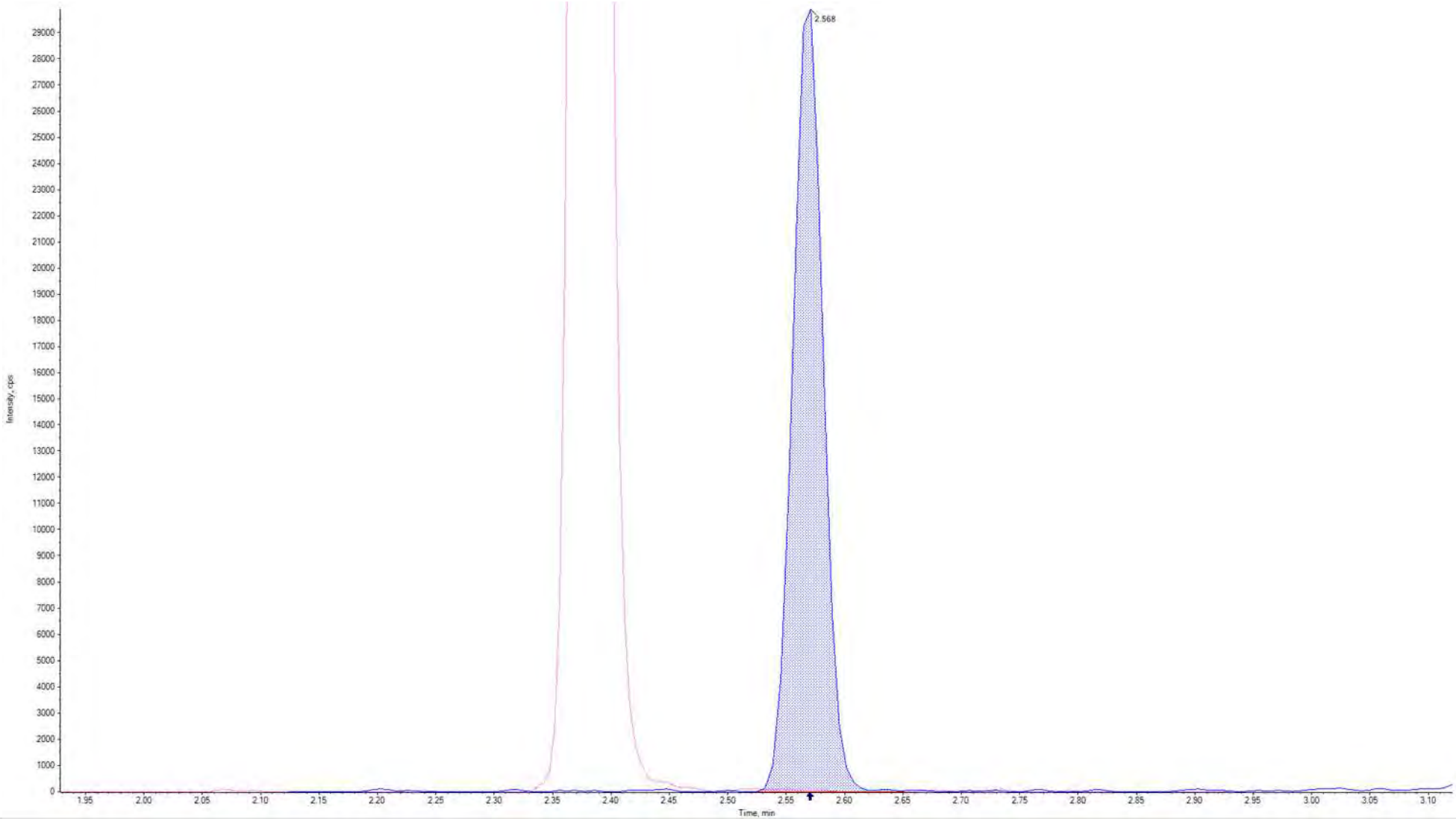
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

ADONA
Sample: IA1633STD-.1 S/N:889.2 Points Across peak:33



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2_1
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

ADONA_2
Sample: IA1633STD-.1 S/N:599.5 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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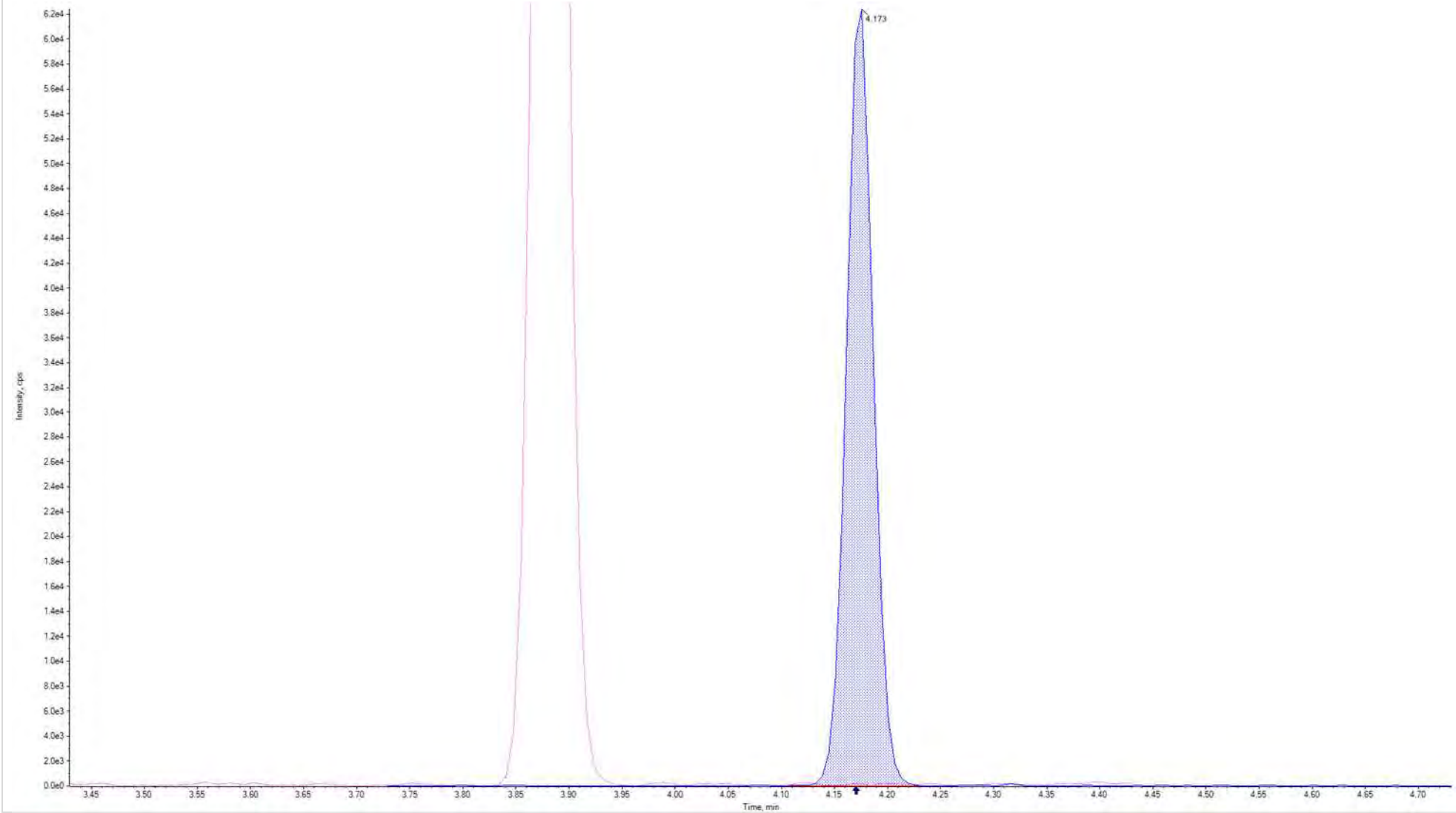
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

9Cl-PF3ONS
Sample: IA1633STD-.1 S/N:1408.0 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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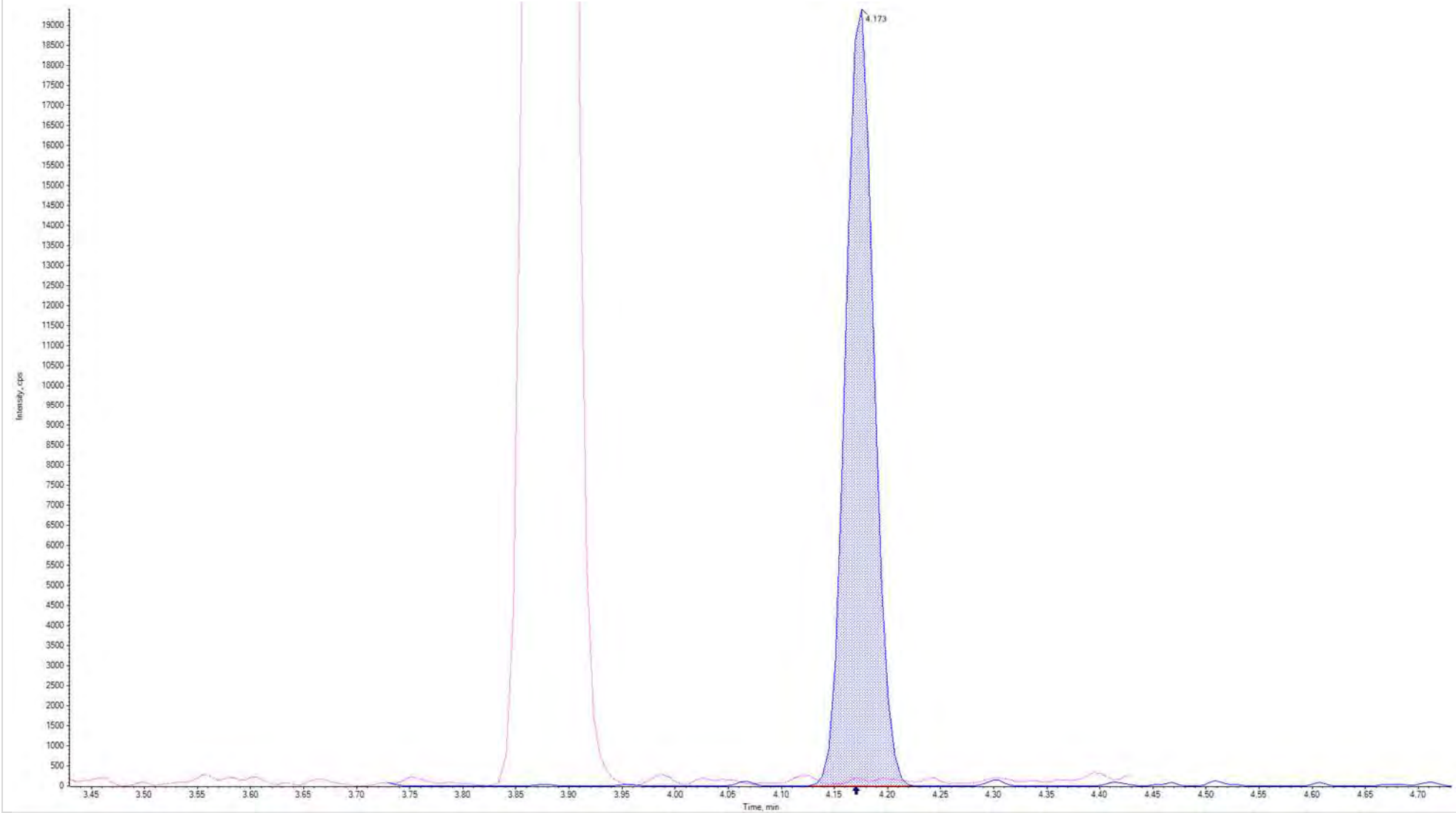
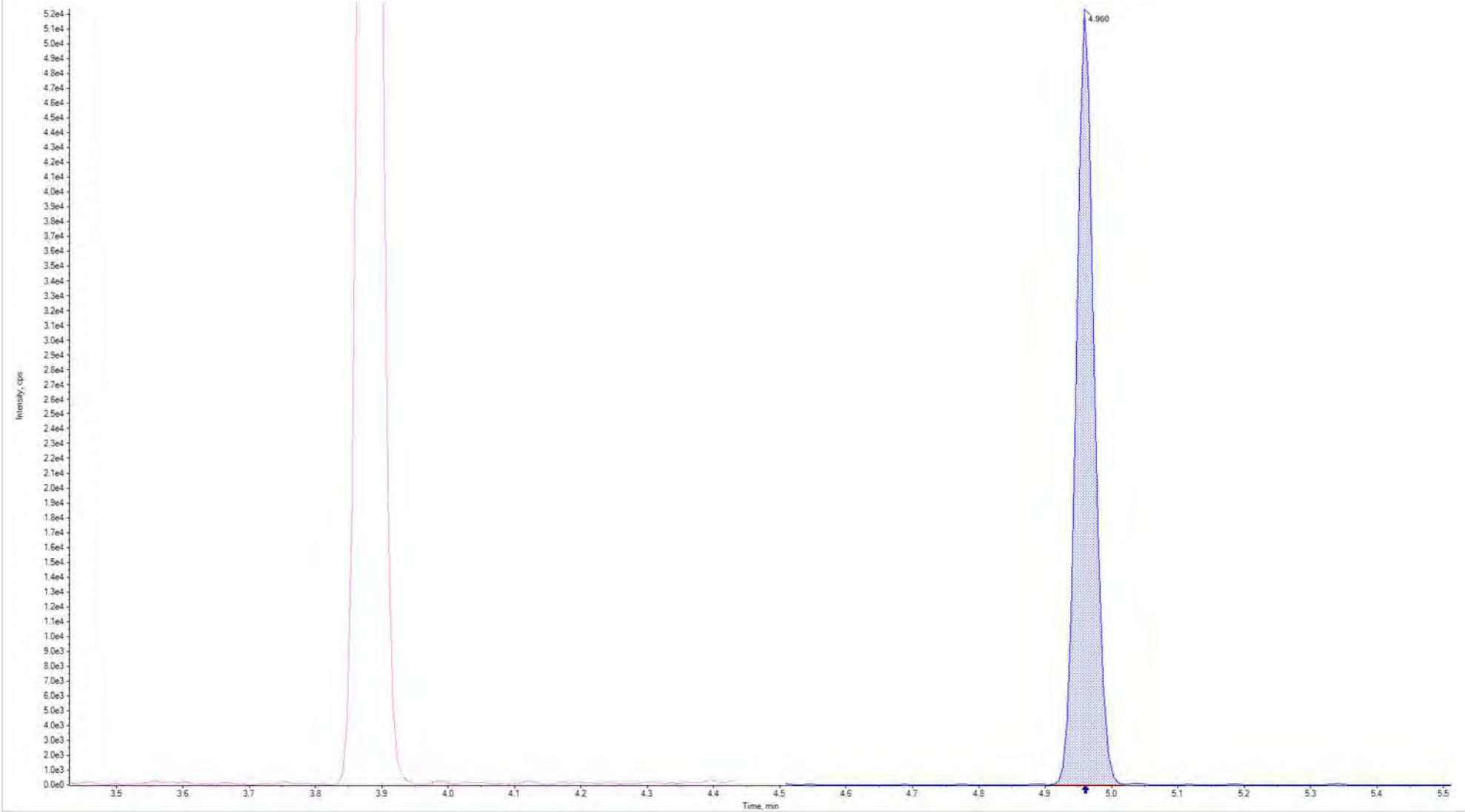
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

9Cl-PF3ONS_2
Sample: IA1633STD-.1 S/N:437.7 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2_1
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

11Cl-PF3OUdS
Sample: IA1633STD-.1 S/N:2492.7 Points Across peak:17



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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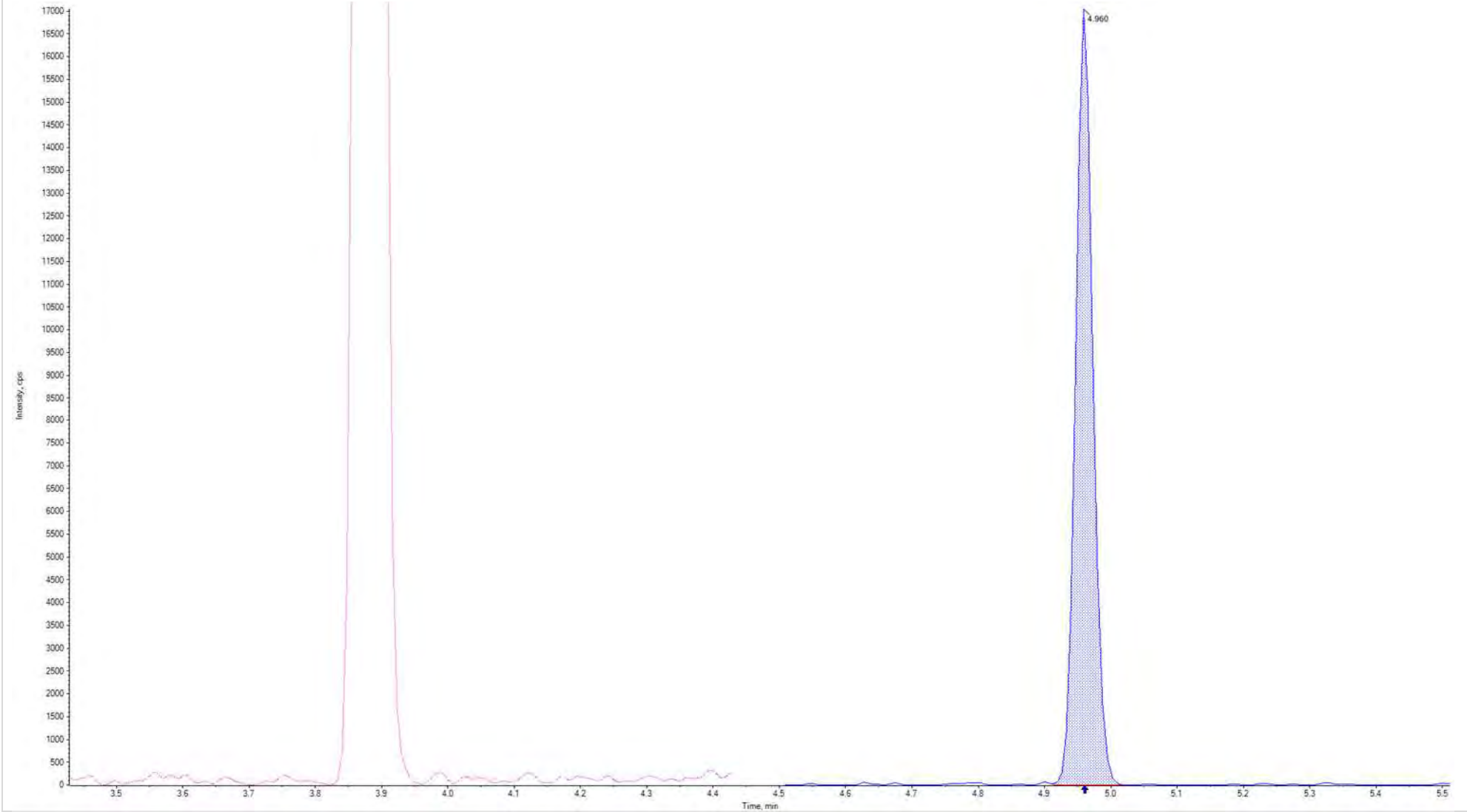
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

11Cl-PF3OUdS_2
Sample: IA1633STD-.1 S/N:811.7 Points Across peak:18



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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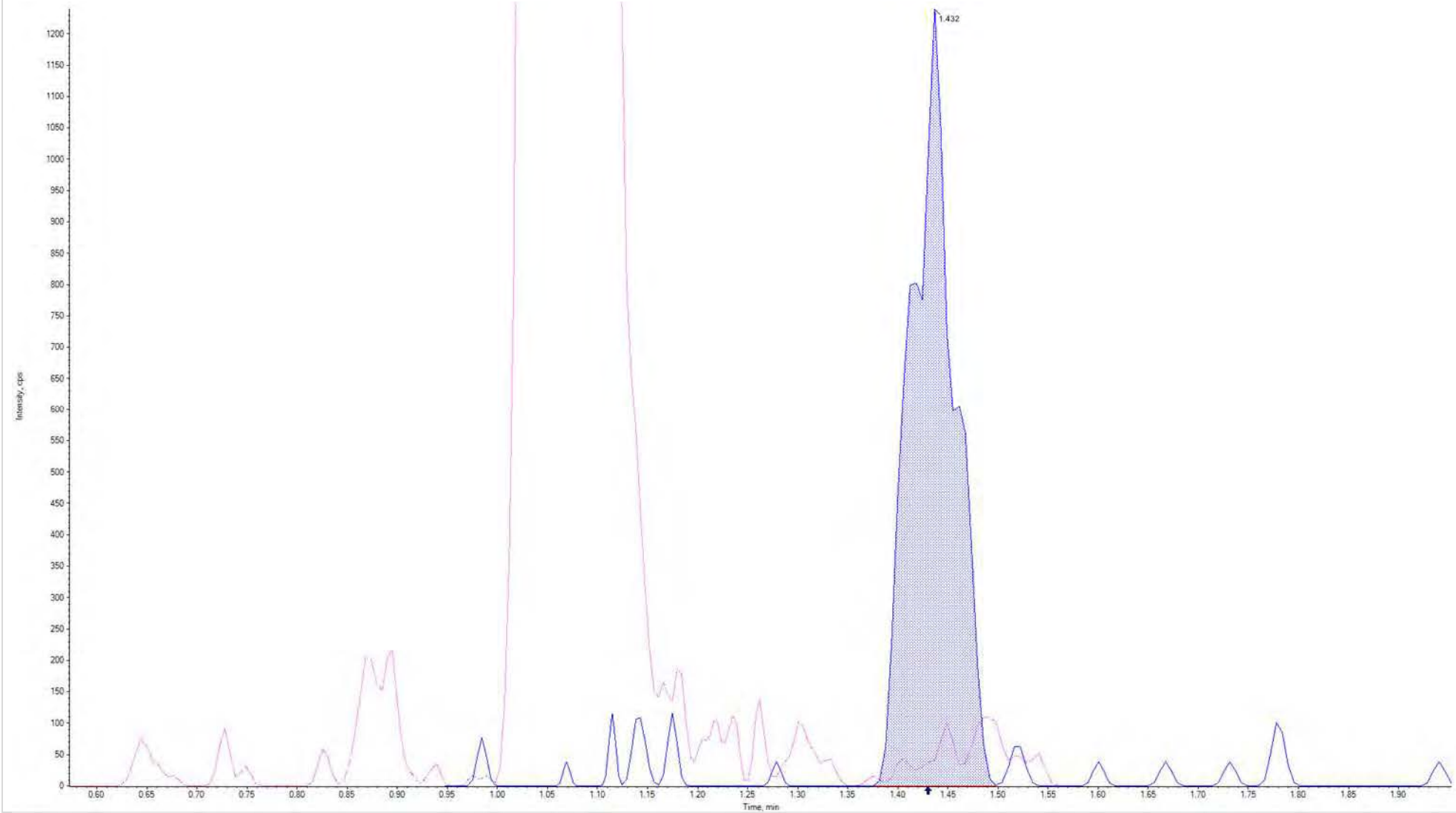
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

3:3FTCA
Sample: IA1633STD-.1 S/N:31.1 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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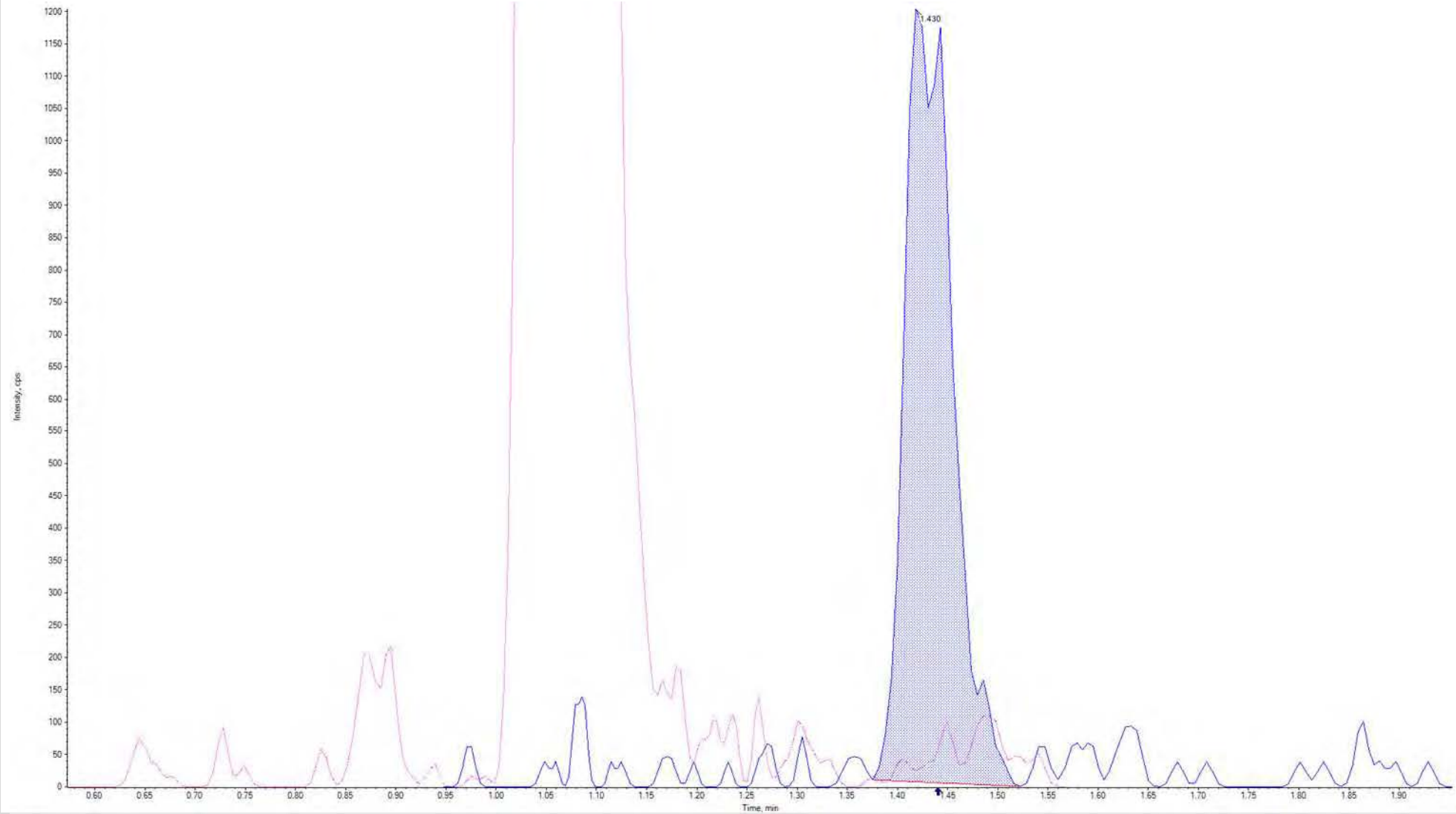
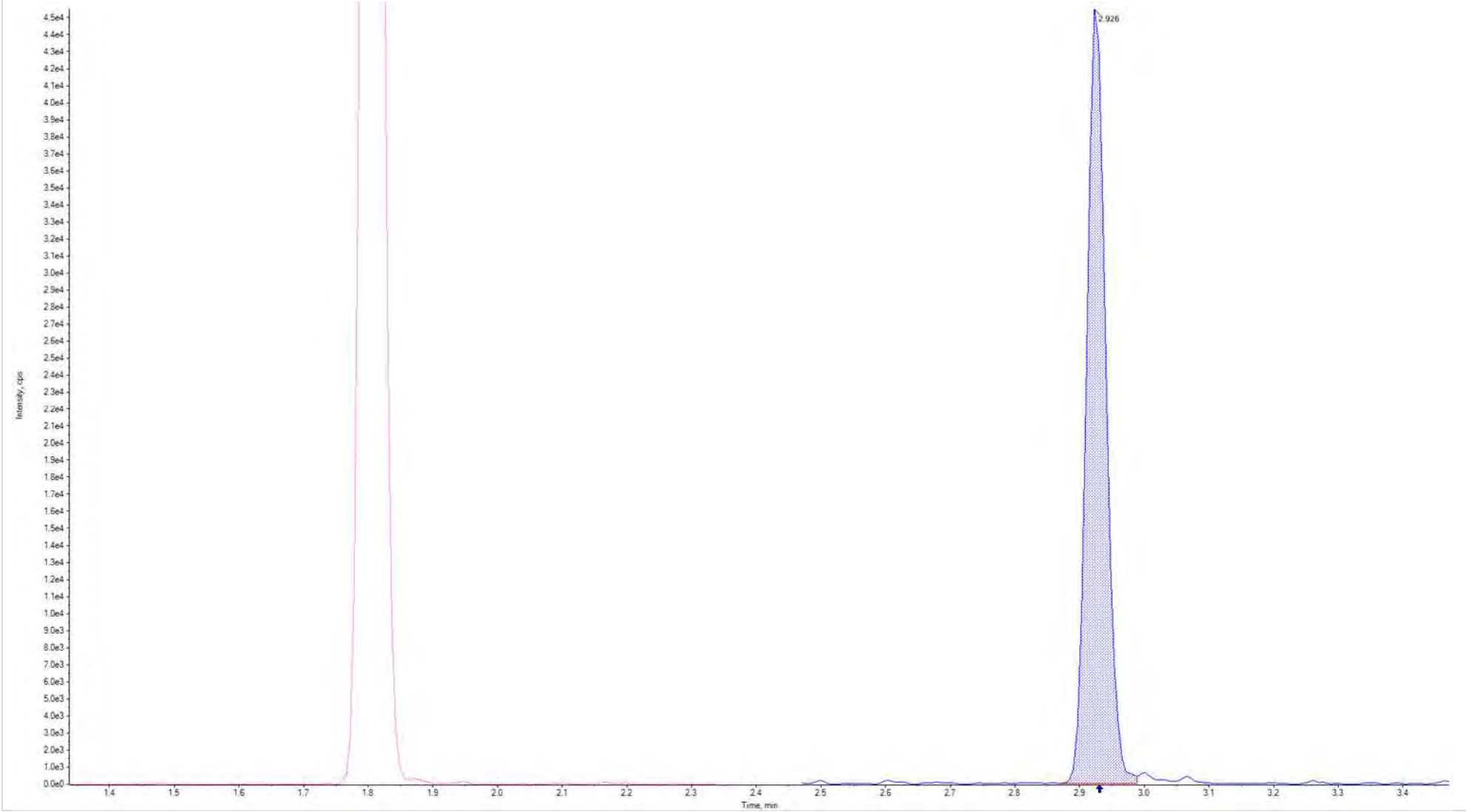
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

3:3FTCA_2
Sample: IA1633STD-.1 S/N:30.0 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2_1
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

5:3FTCA
Sample: IA1633STD-.1 S/N:1025.1 Points Across peak:20



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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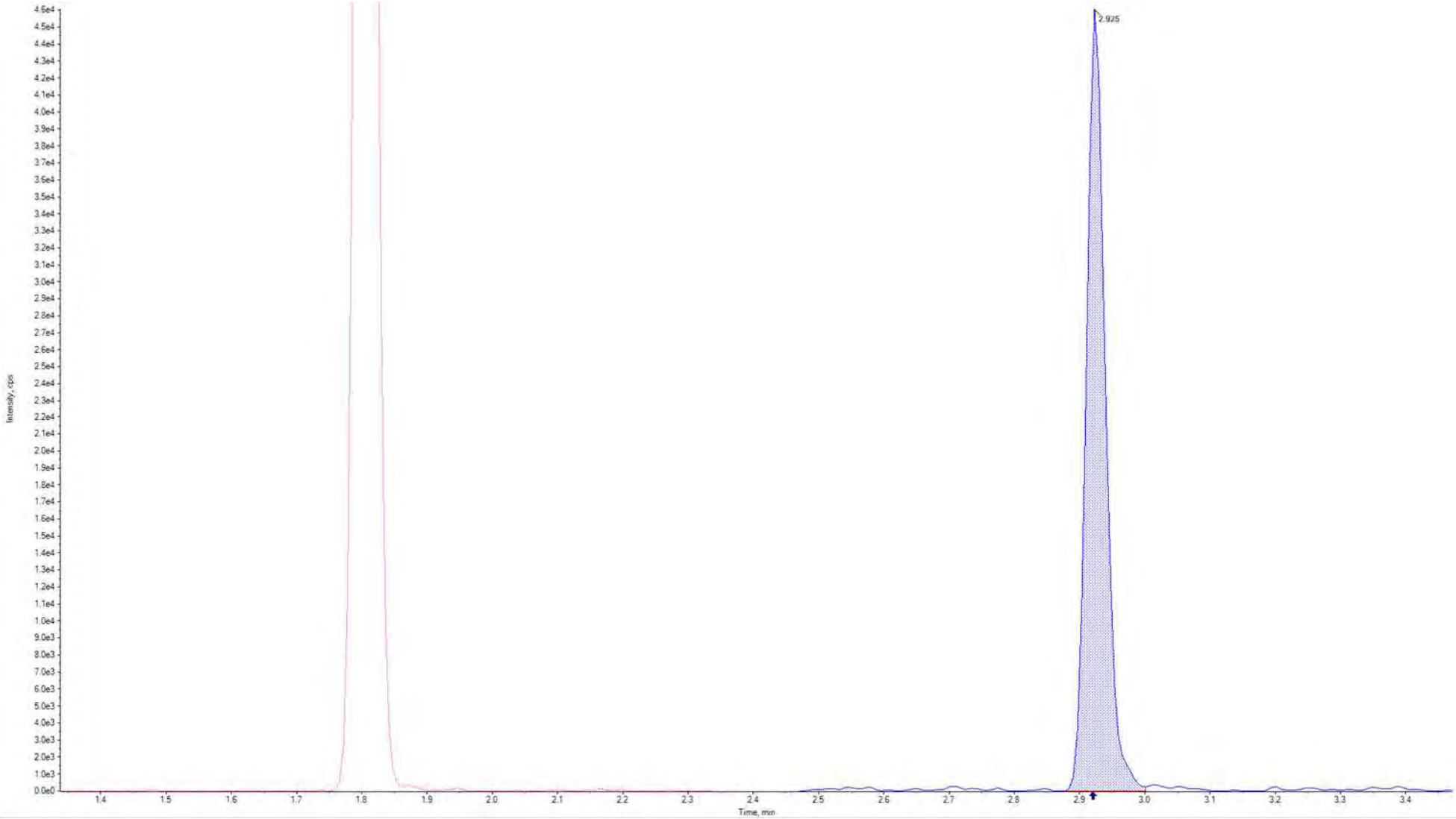
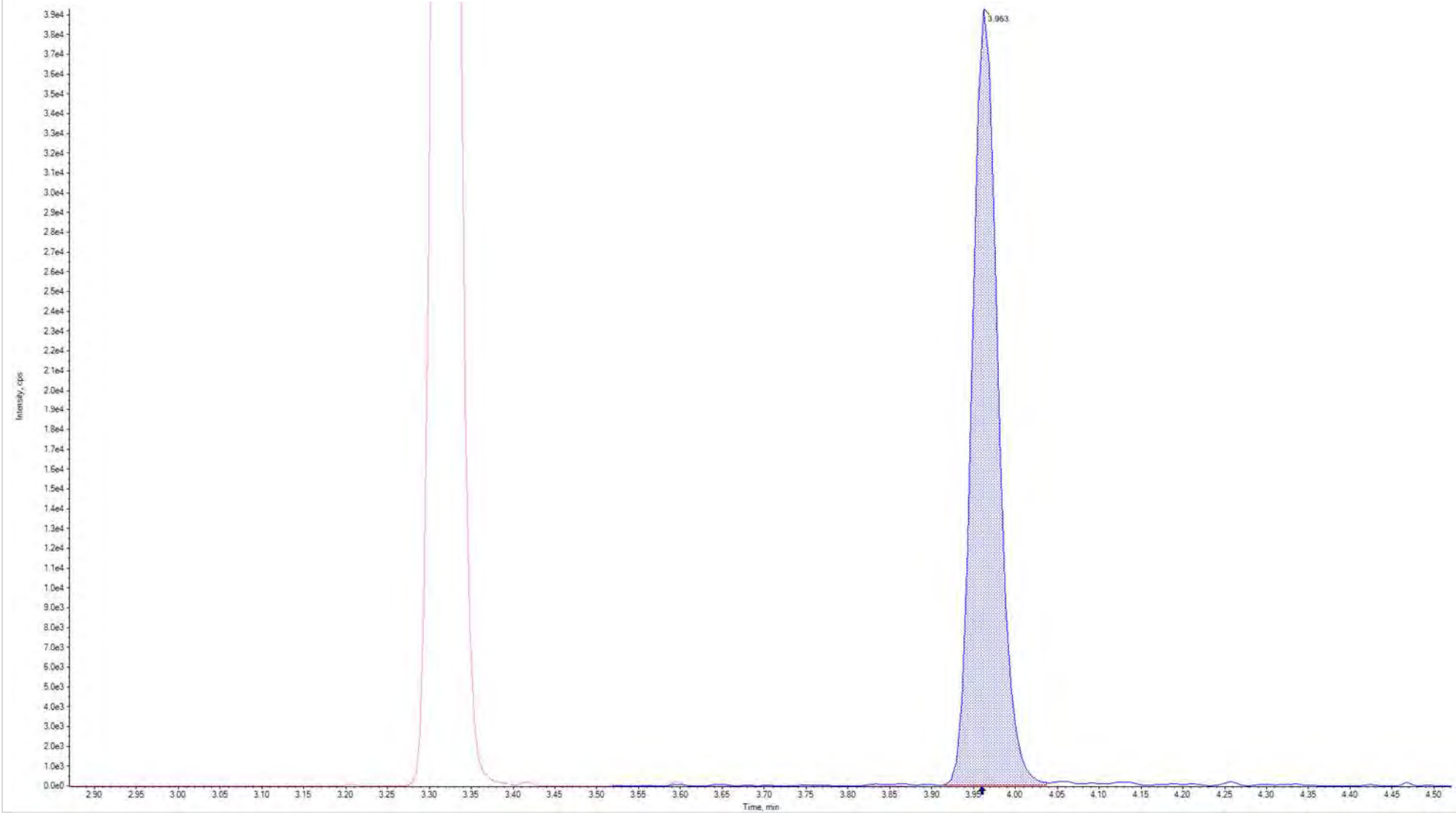
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

5:3FTCA_2
Sample: IA1633STD-.1 S/N:1038.9 Points Across peak:22



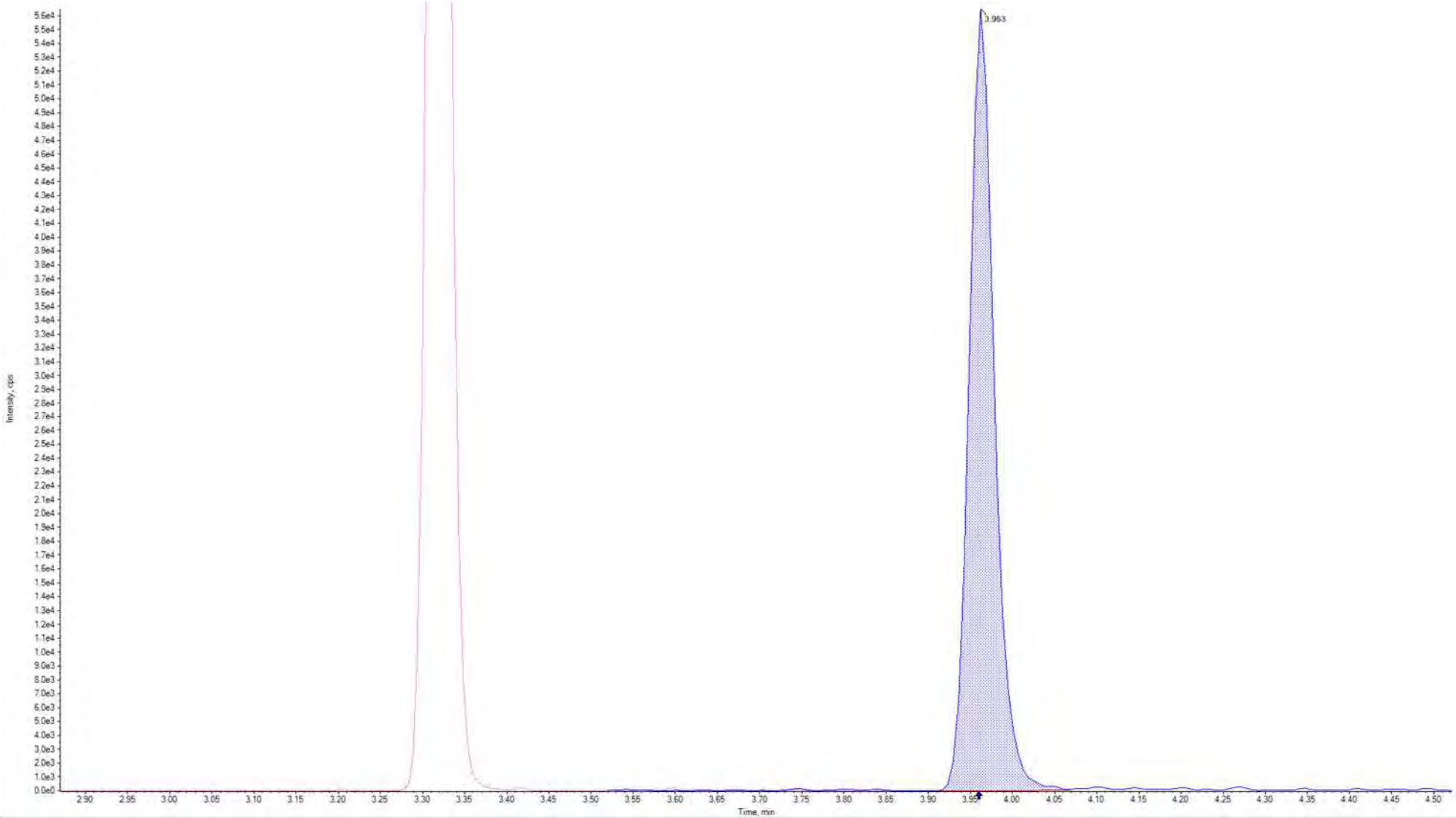
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2_1
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

7:3FTCA
Sample: IA1633STD-.1 S/N:1082.7 Points Across peak:21



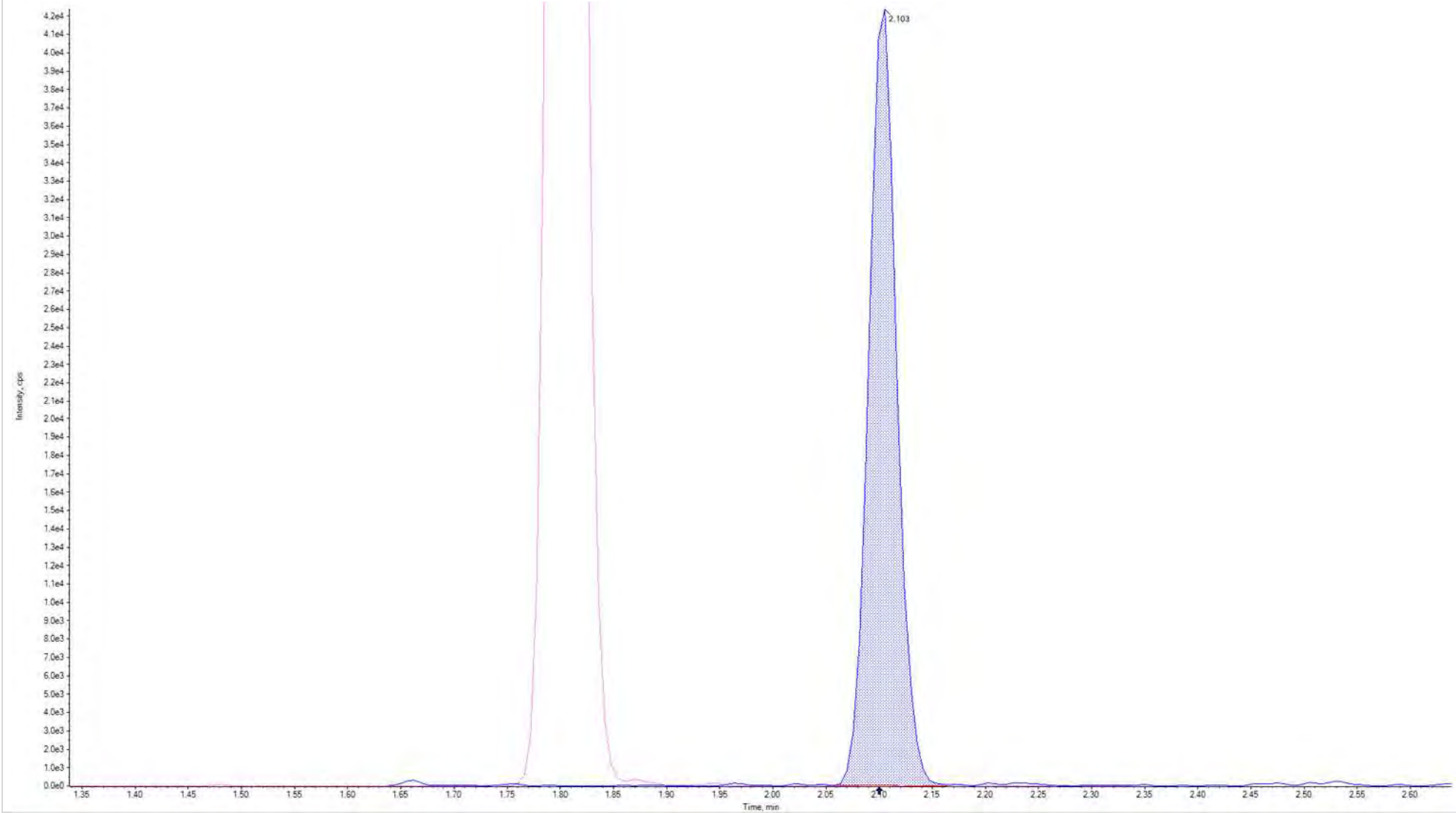
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2_1
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

7:3FTCA_2
Sample: IA1633STD-.1 S/N:1556.6 Points Across peak:27



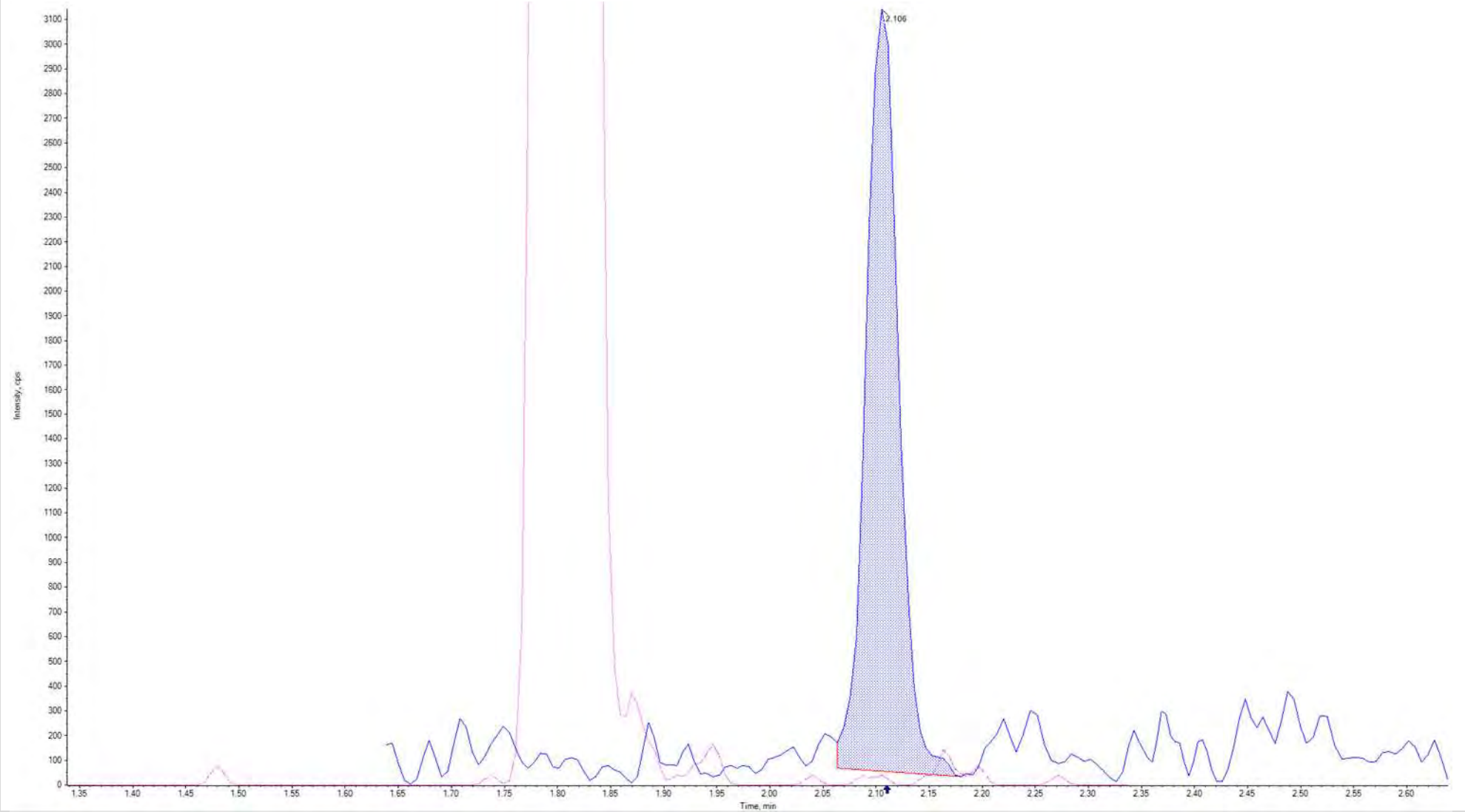
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2_1
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFEESA
Sample: IA1633STD-.1 S/N:955.6 Points Across peak:19



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2_1
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFEESA_2
Sample: IA1633STD-.1 S/N:69.6 Points Across peak:21



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2_1
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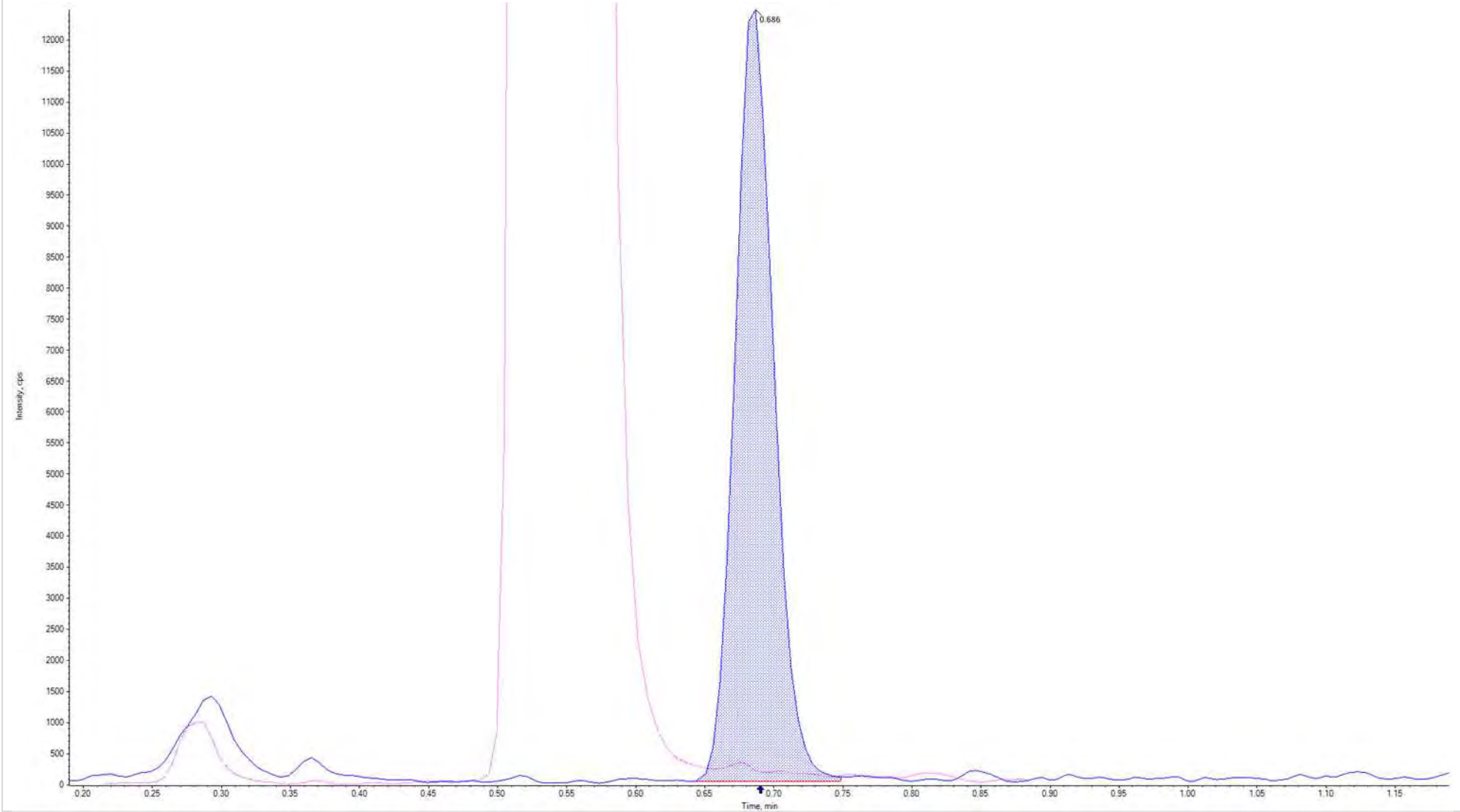
Generated: 11/12/2024 2:03:37 PM

PFMPA
Sample: IA1633STD-.1 S/N:833.8 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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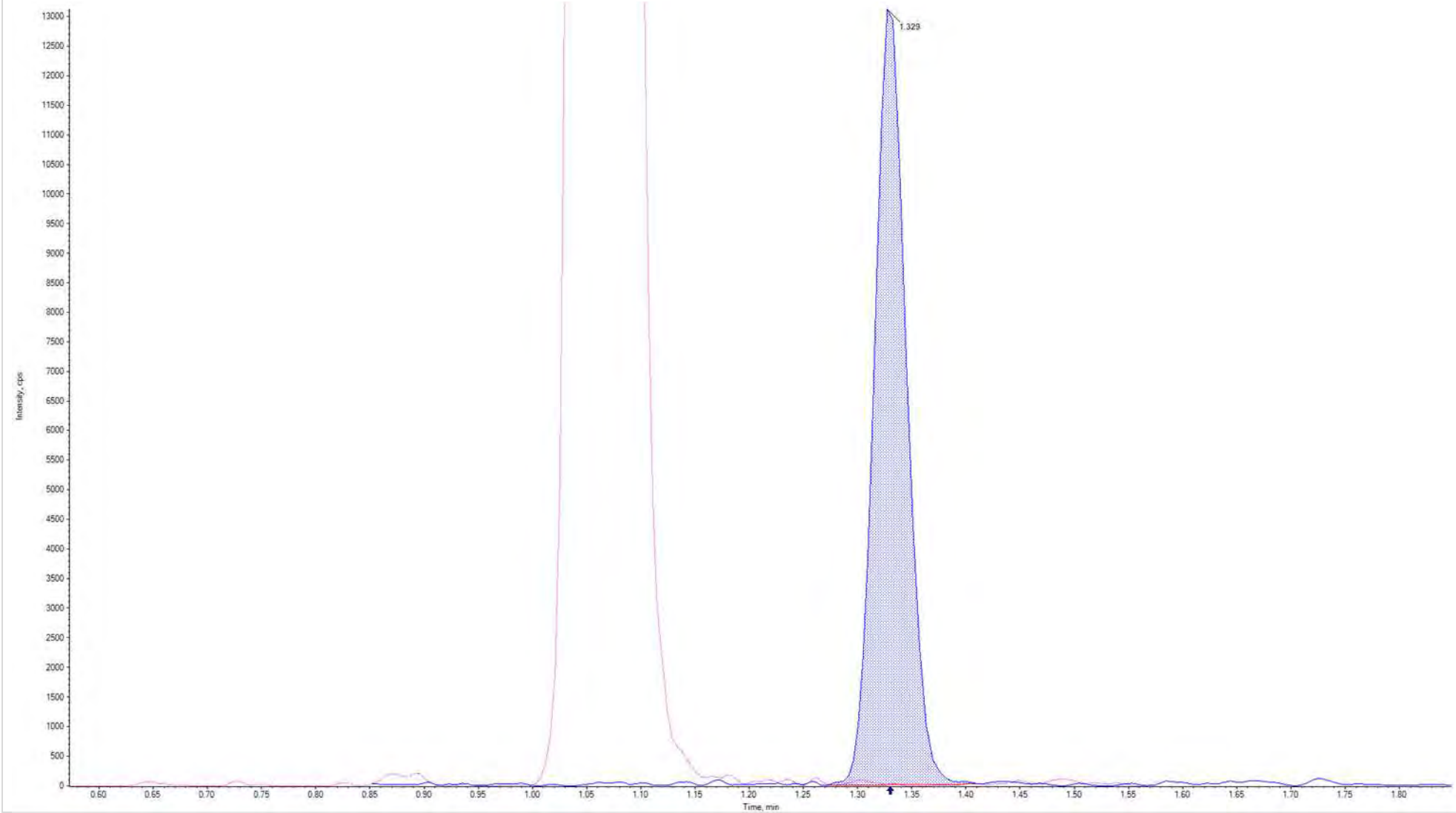
PFMBA
Sample: IA1633STD-.1 S/N:755.6 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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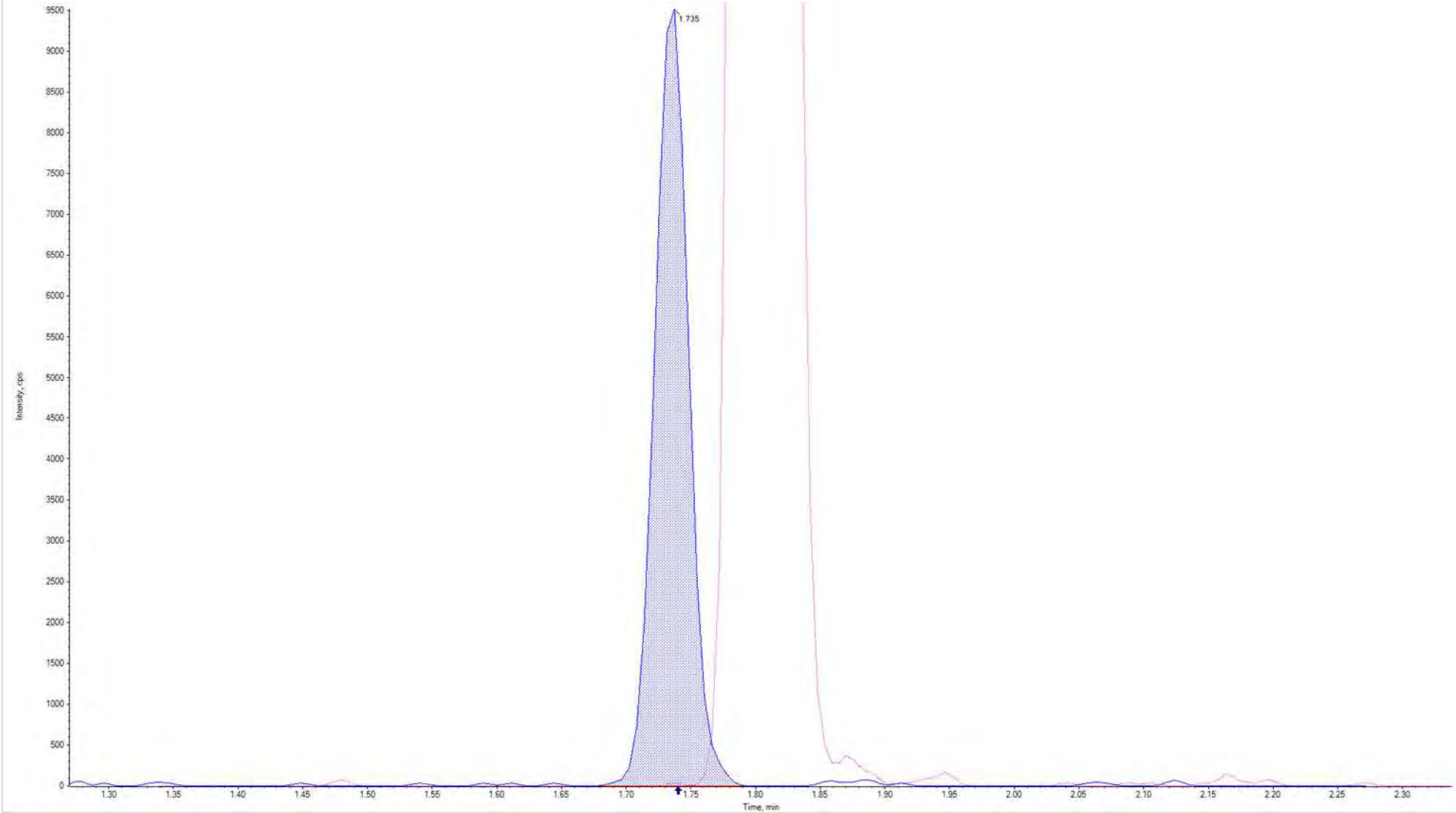
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NFDHA
Sample: IA1633STD-.1 S/N:262.4 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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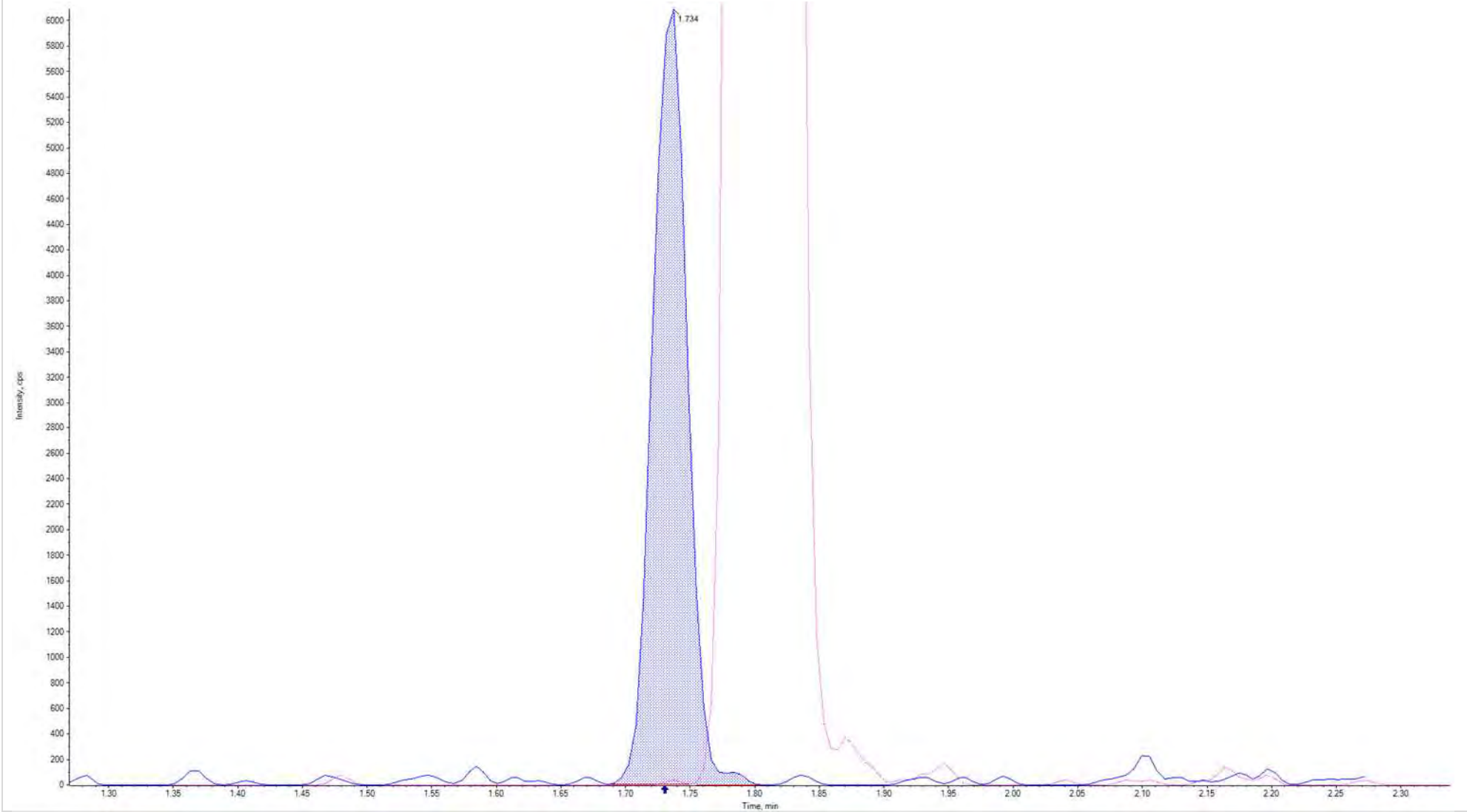
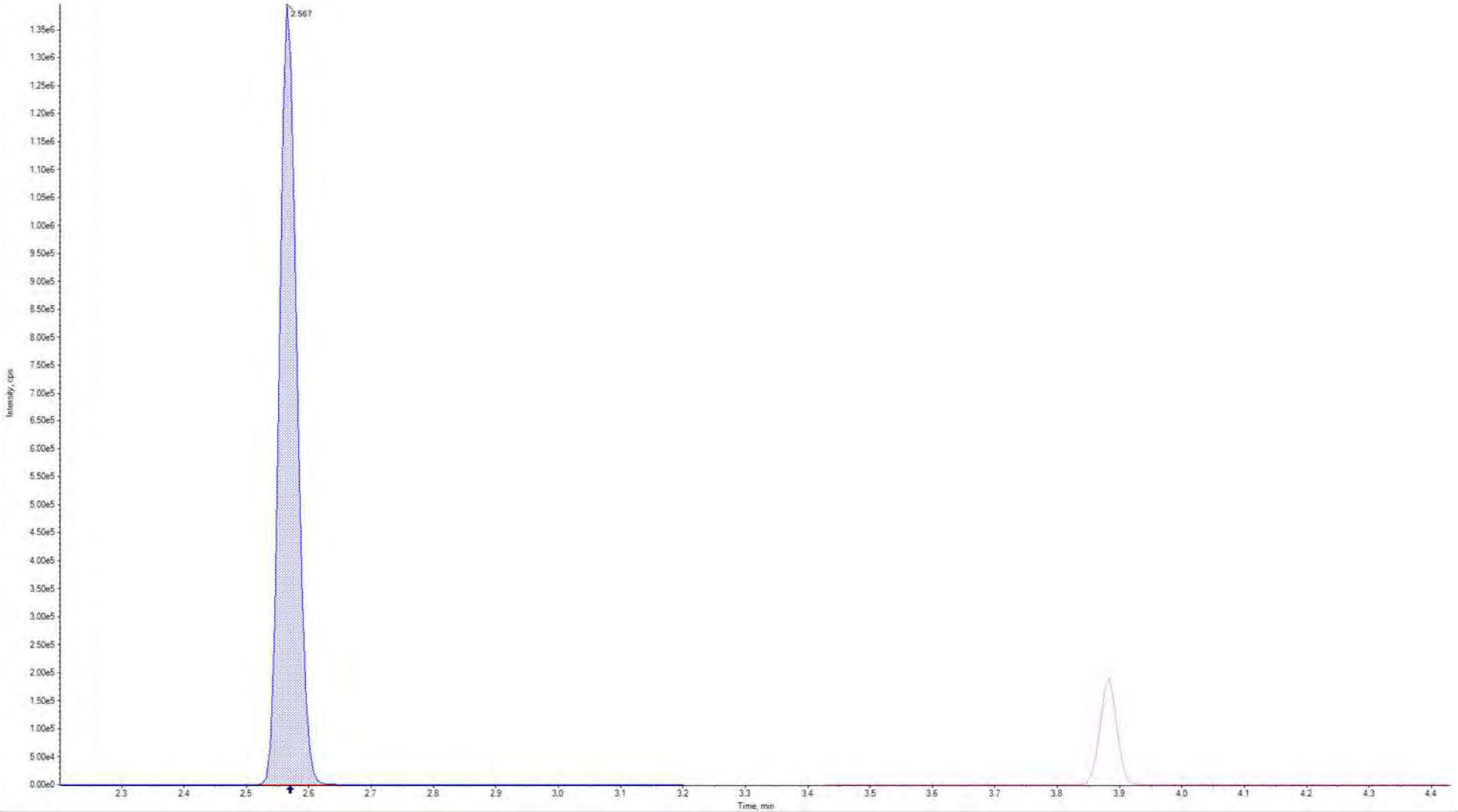
Generated: 11/12/2024 2:03:37 PM

NFDHA_2
Sample: IA1633STD-.1 S/N:167.8 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2_1
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

TDCA
Sample: IA1633STD-.1 S/N:7909.0 Points Across peak:33

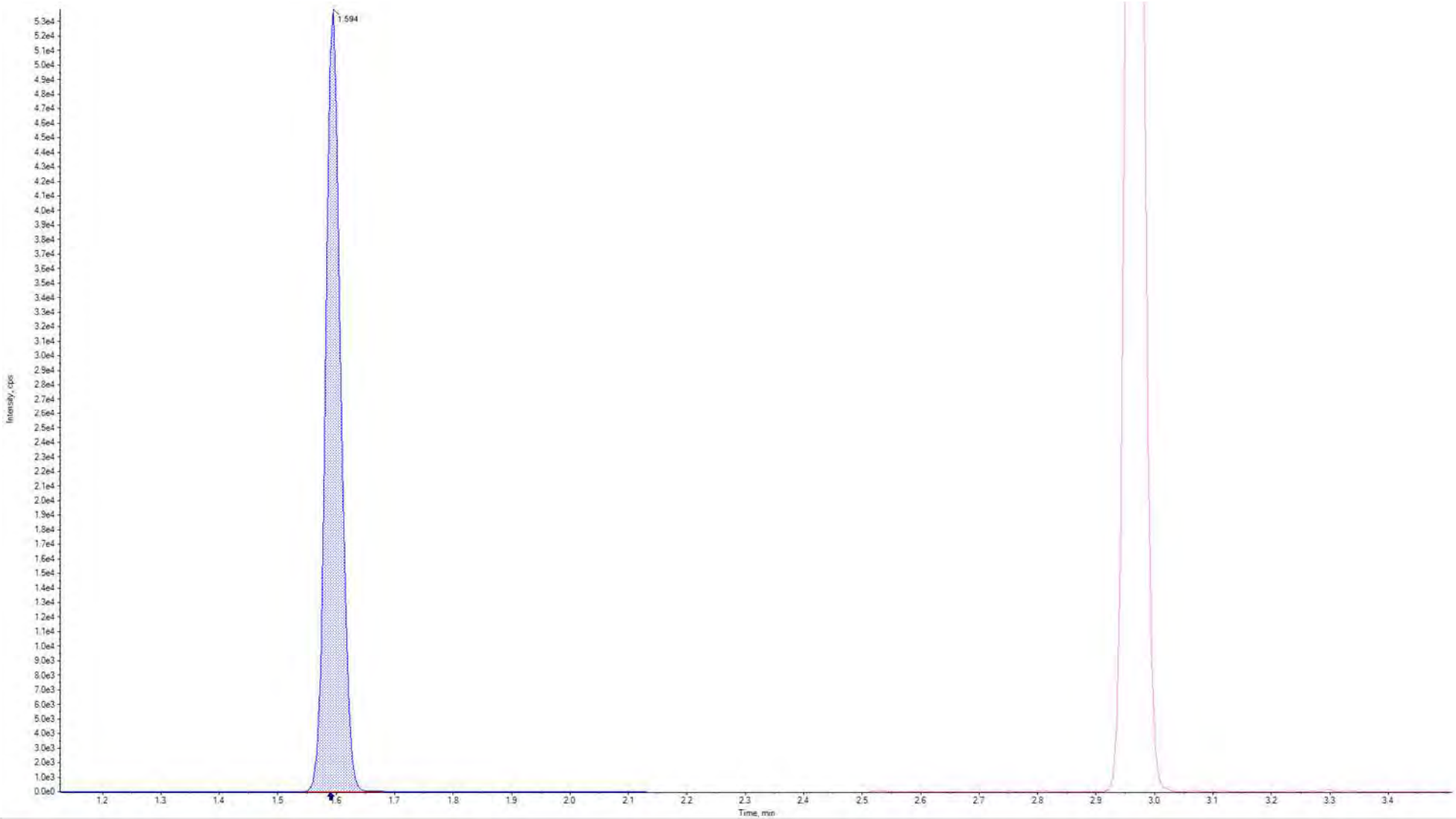


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2_1
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

TDCA_2
Sample: IA1633STD-.1 S/N:78244.8 Points Across peak:28

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2_1
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

13C2D4-4:2FTS
Sample: IA1633STD-.1 S/N:2024.5 Points Across peak:34



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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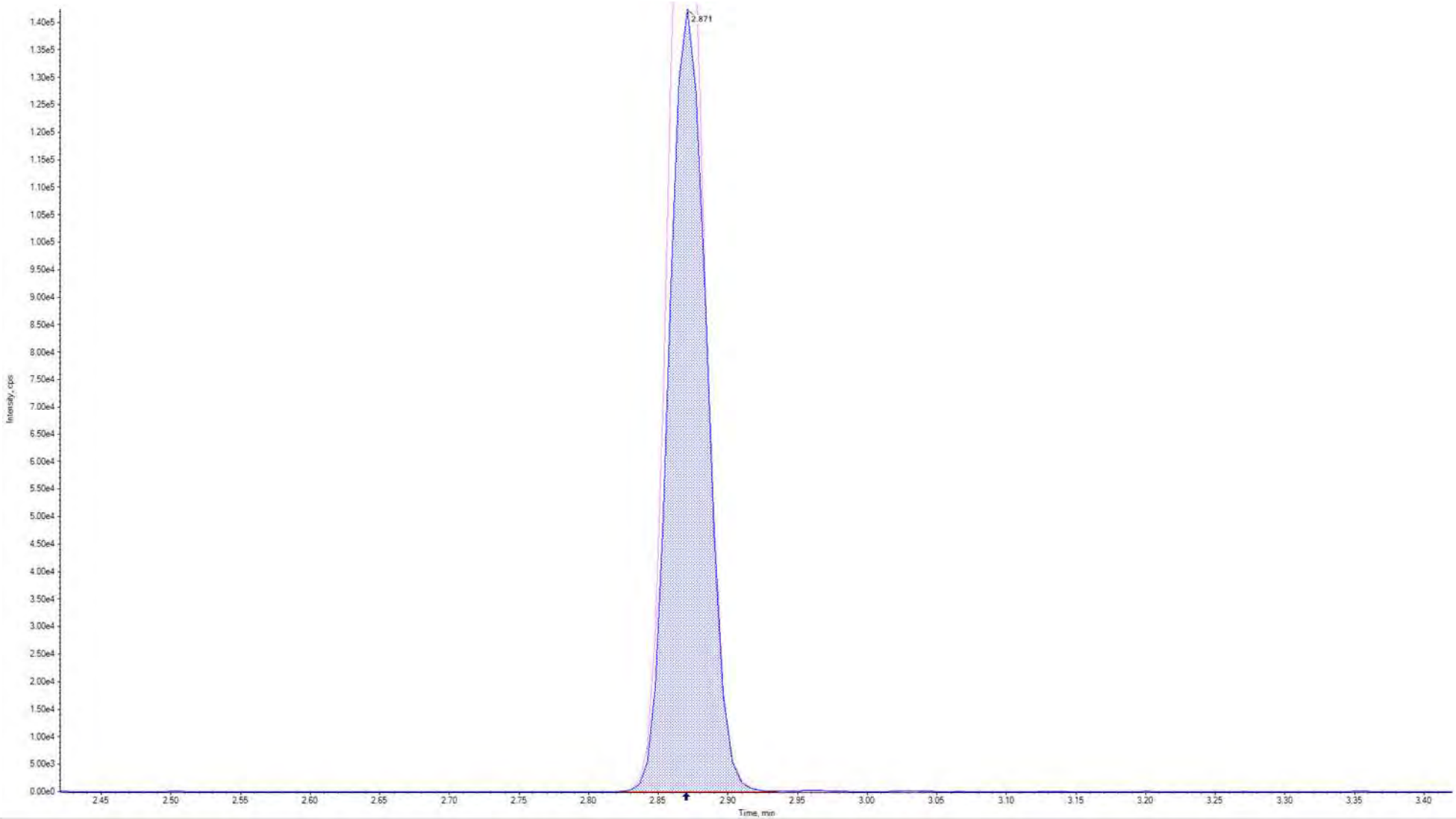
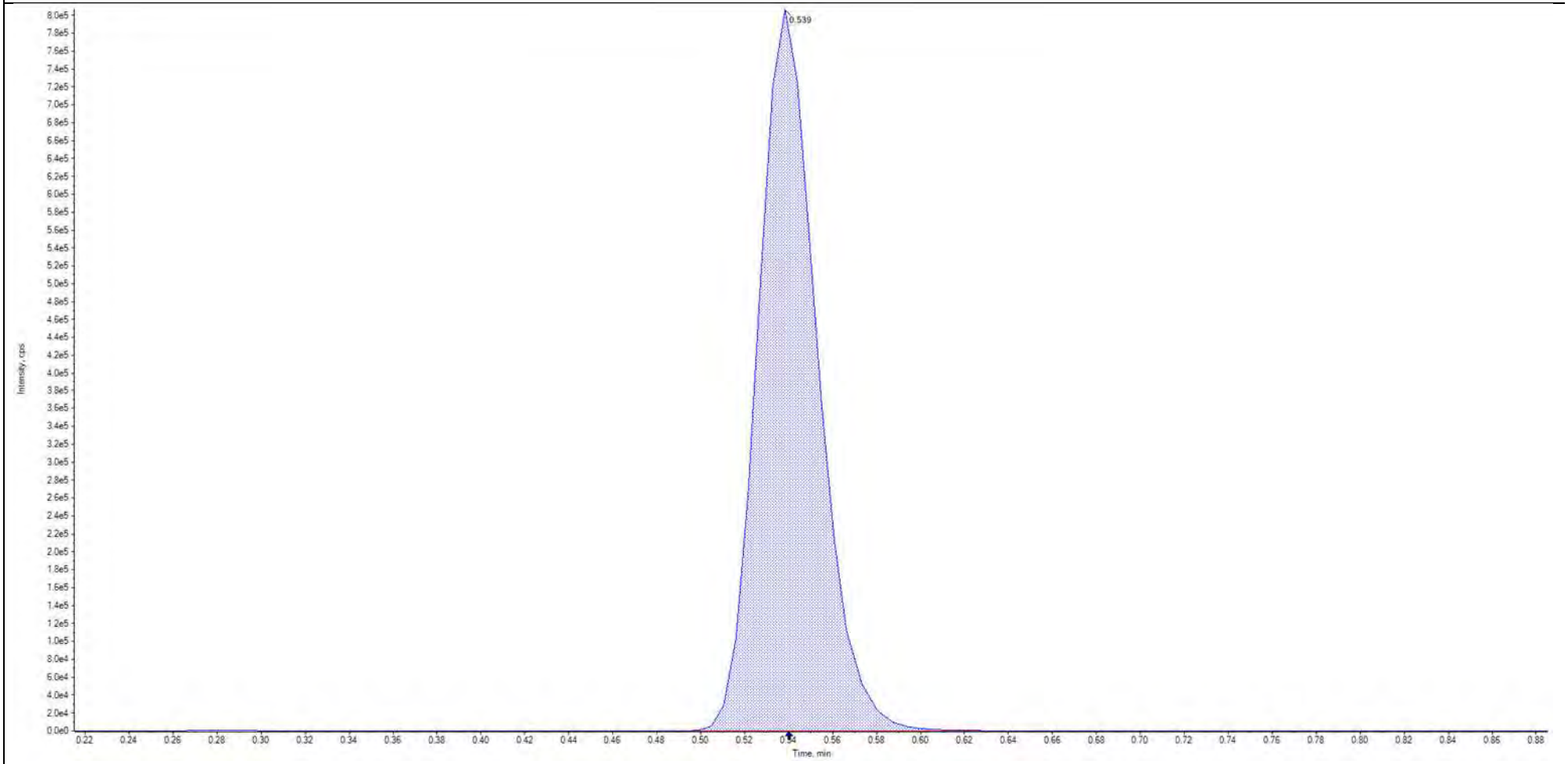
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

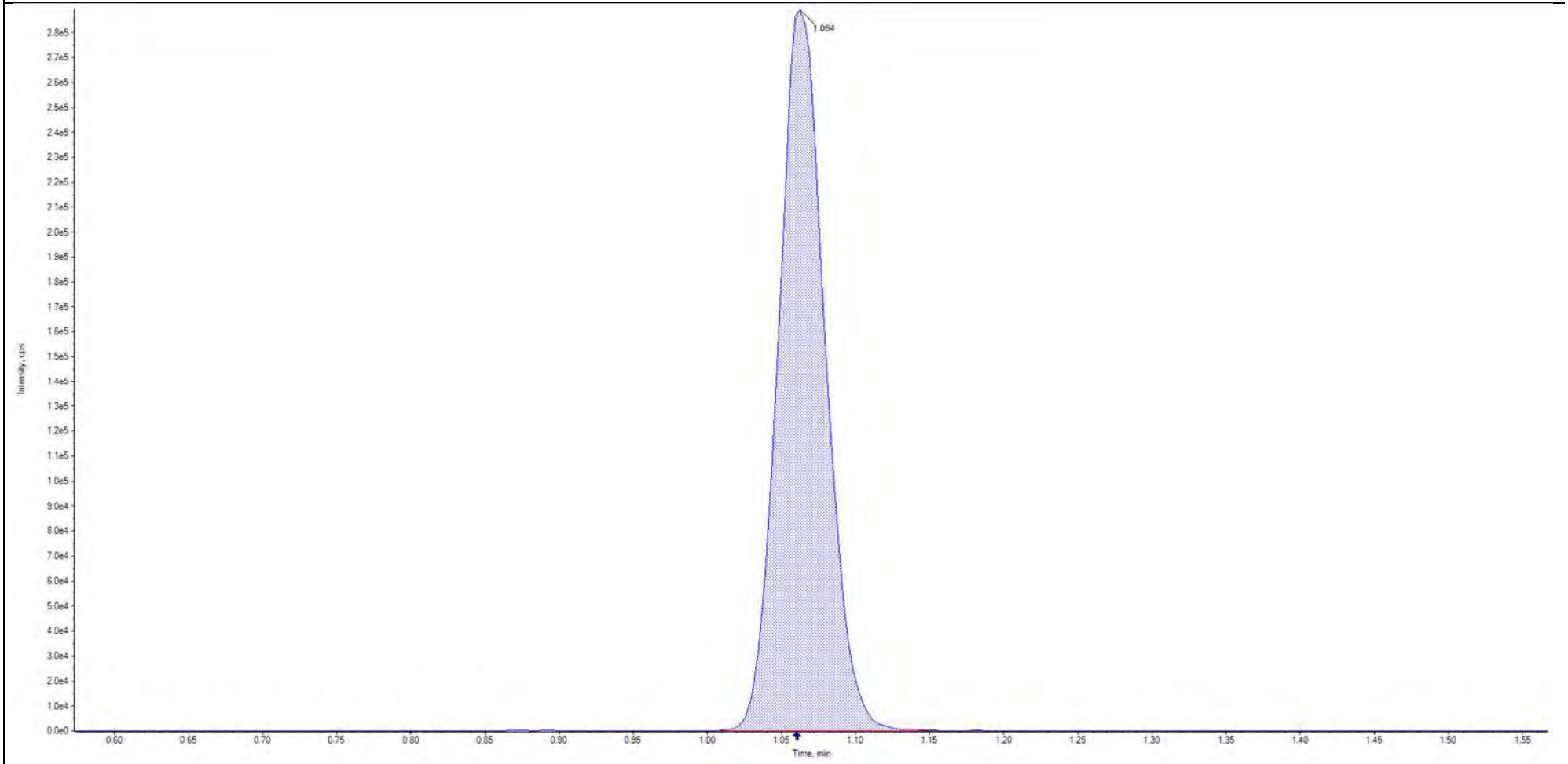
13C2-PFOA
Sample: IA1633STD-.1 S/N:3212.3 Points Across peak:23



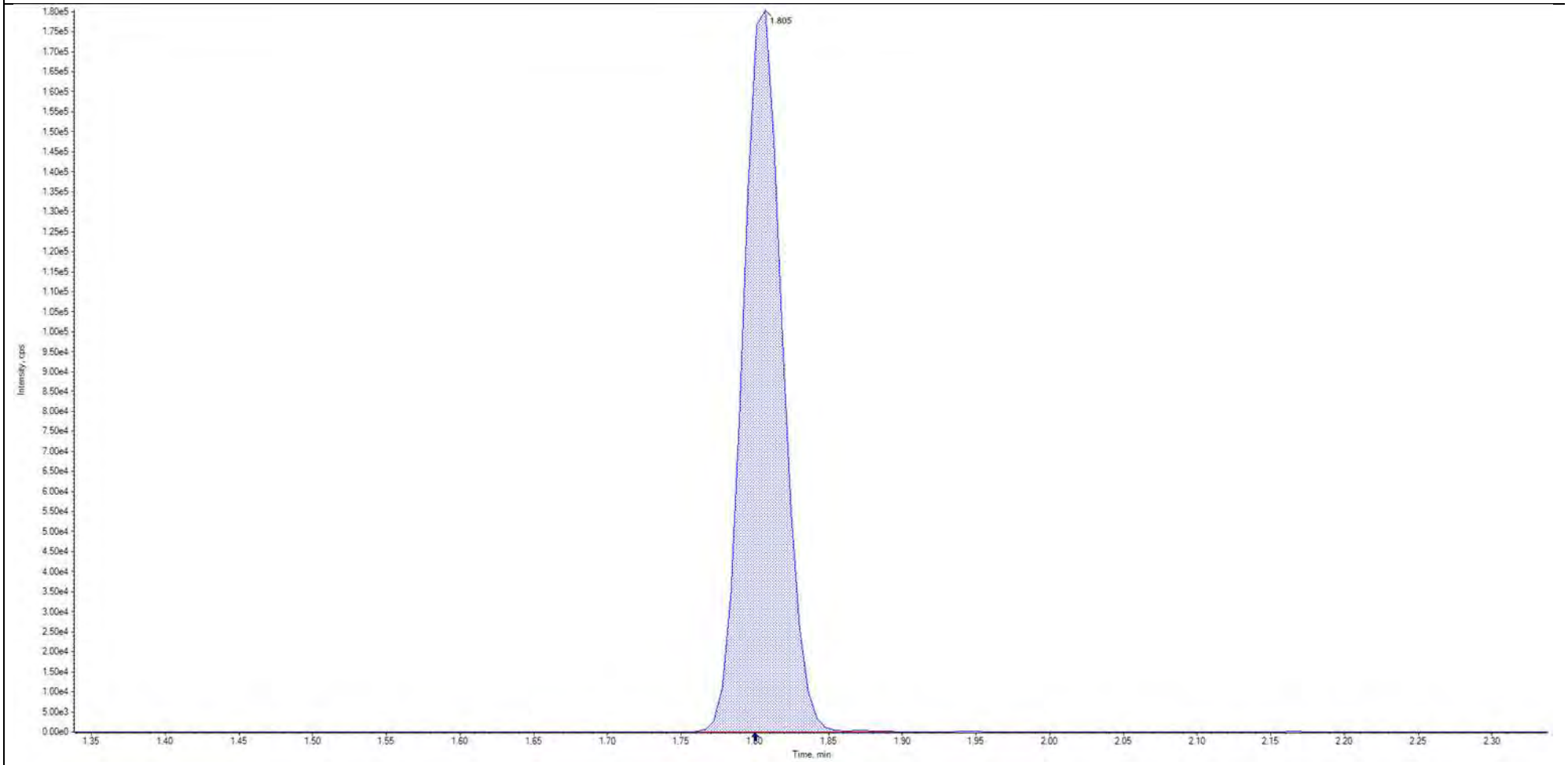
13C4-PFBA
Sample: IA1633STD-.1



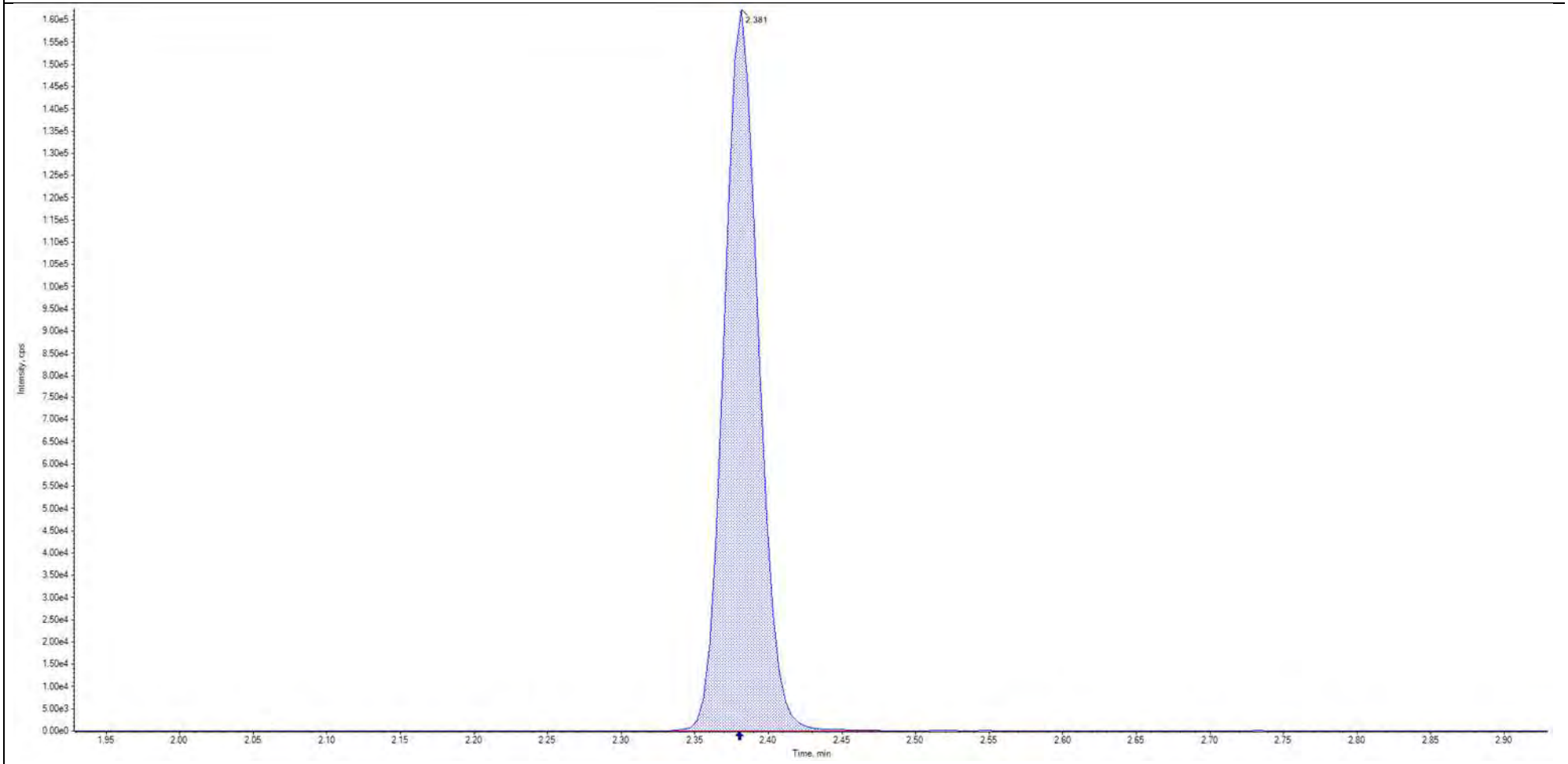
13C5-PFPeA
Sample: IA1633STD-.1



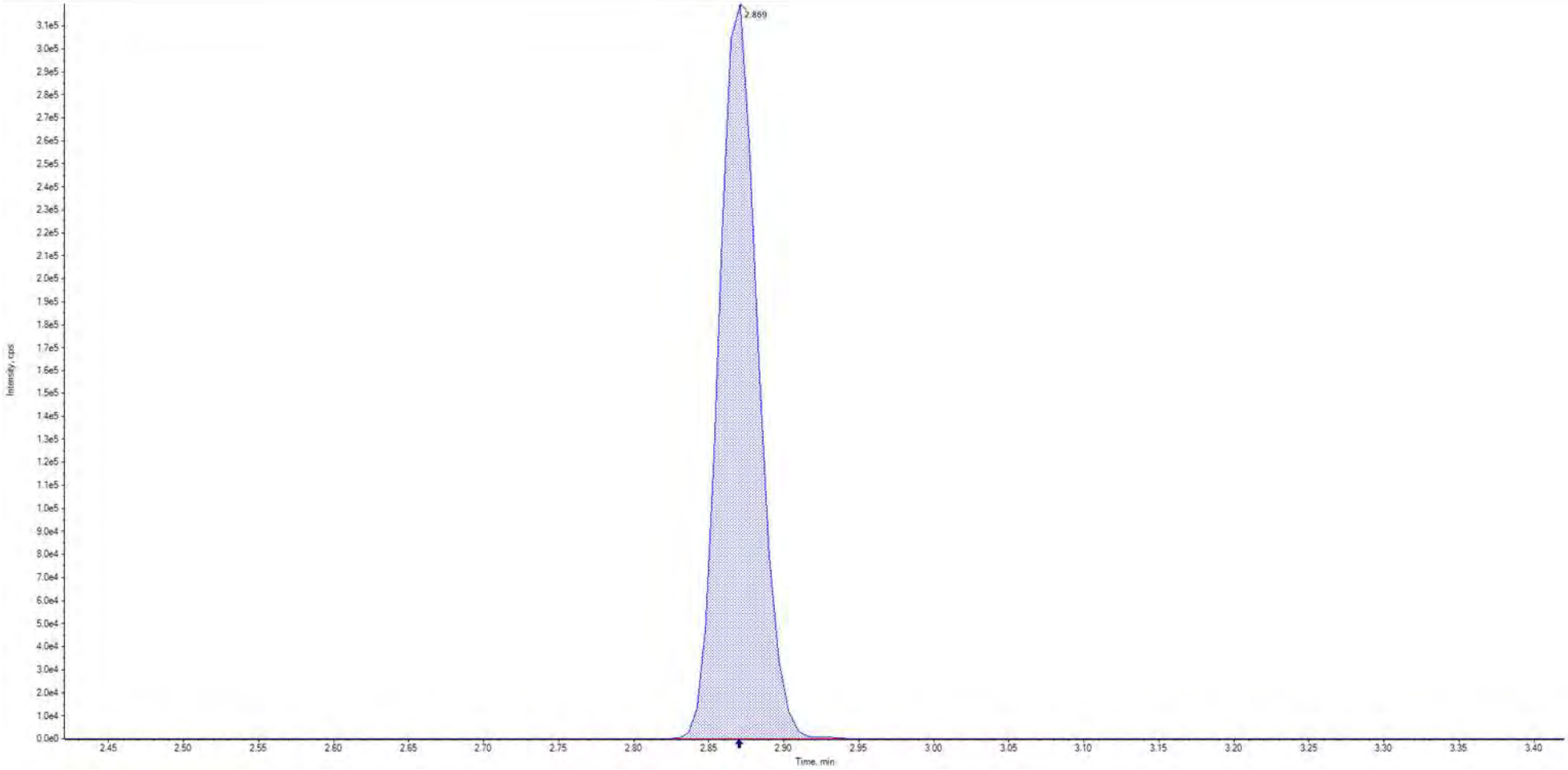
13C5-PFHxA
Sample: IA1633STD-.1



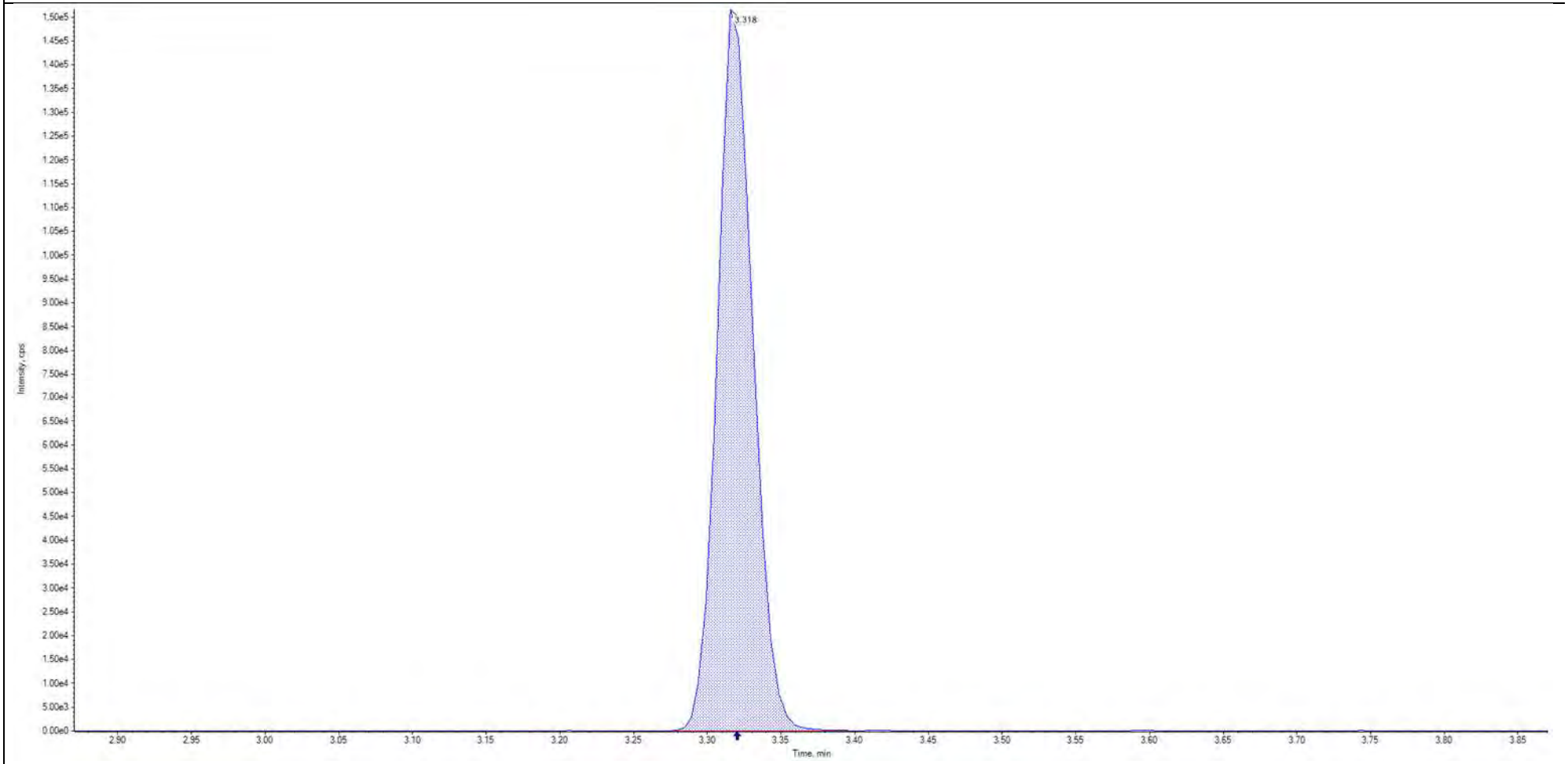
13C4-PFHpA
Sample: IA1633STD-.1



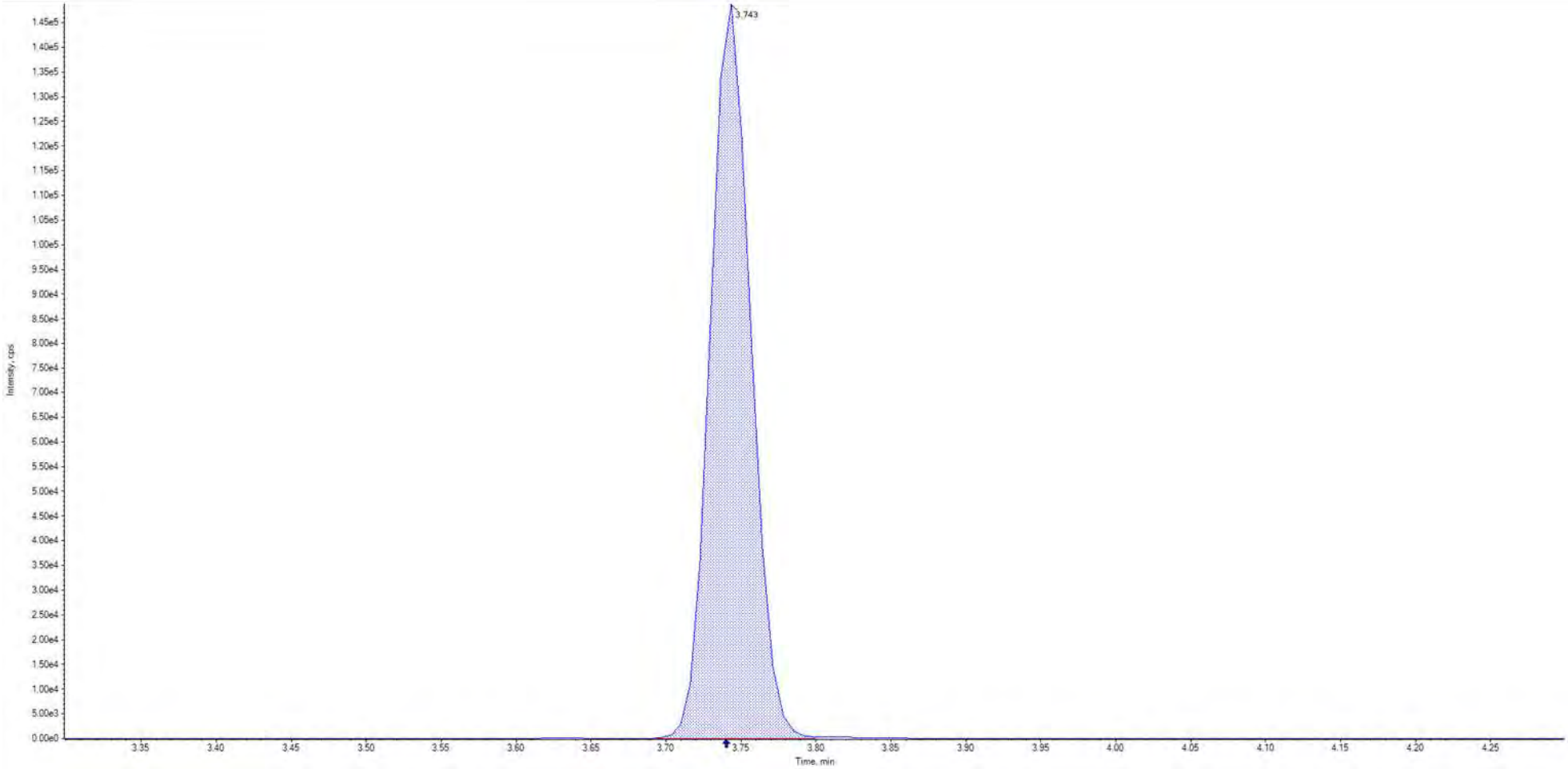
13C8-PFOA
Sample: IA1633STD-.1



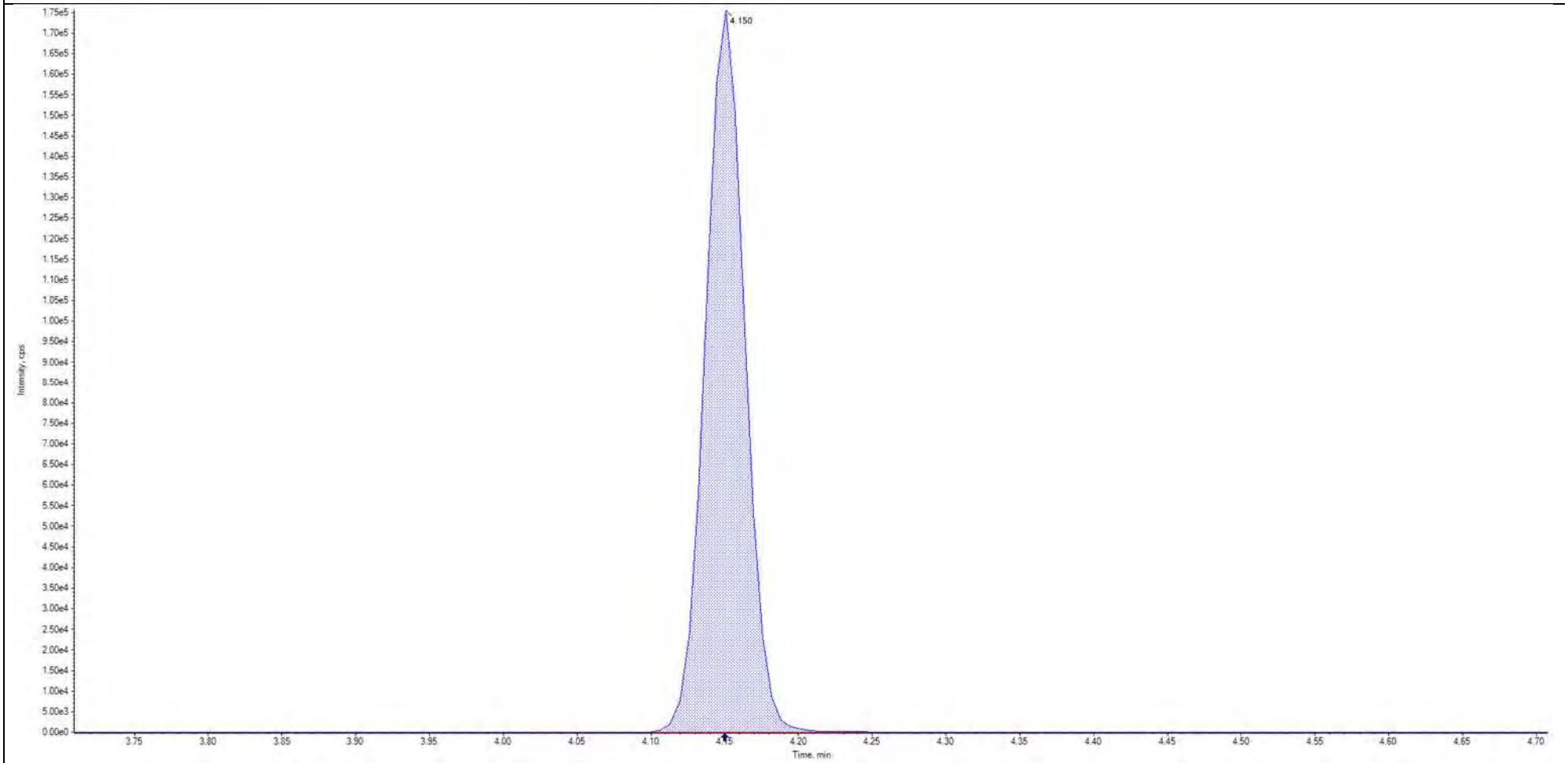
13C9-PFNA
Sample: IA1633STD-.1



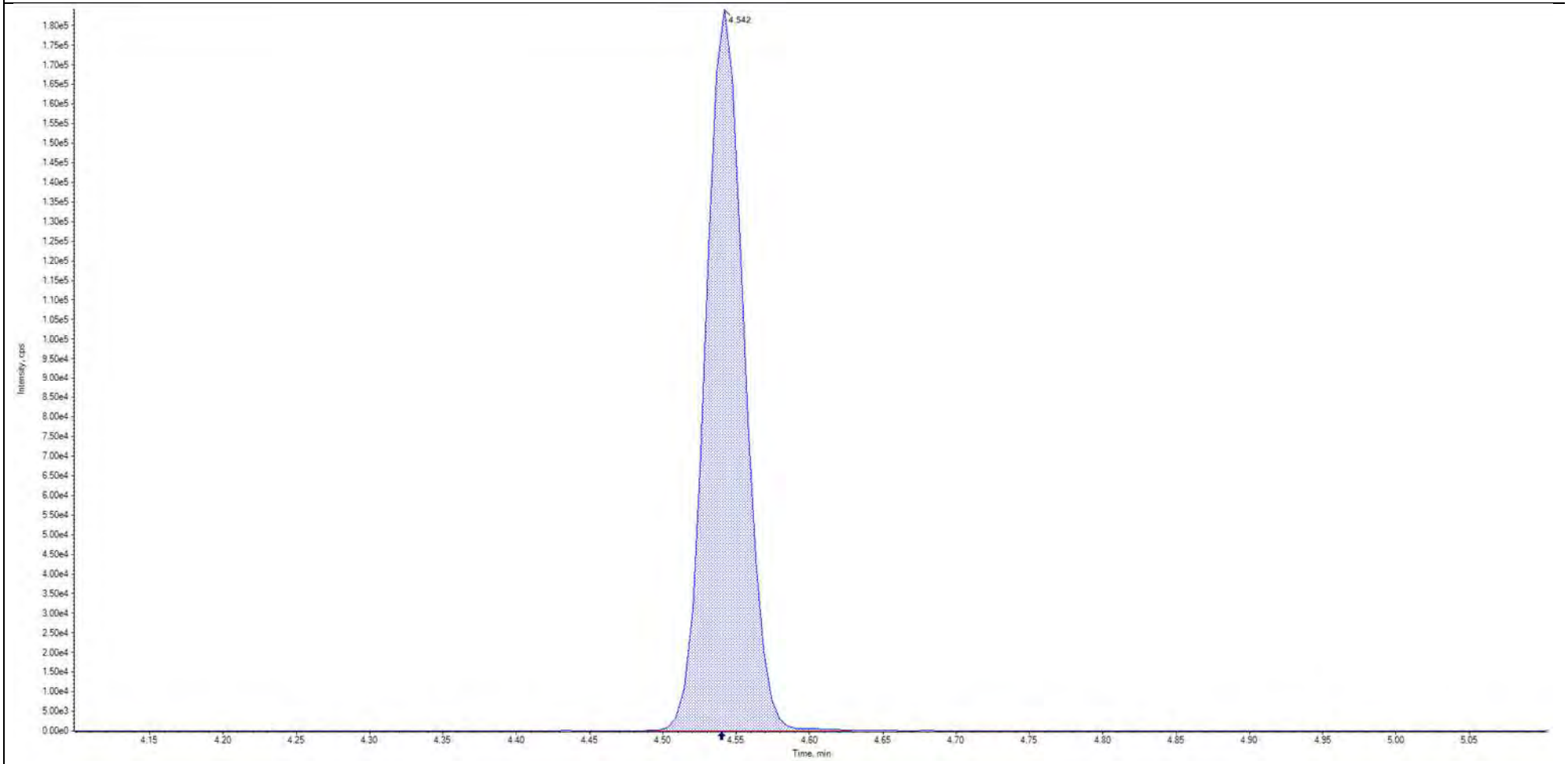
13C6-PFDA
Sample: IA1633STD-.1



13C7-PFUnA
Sample: IA1633STD-.1



13C2-PFDoA
Sample: IA1633STD-.1



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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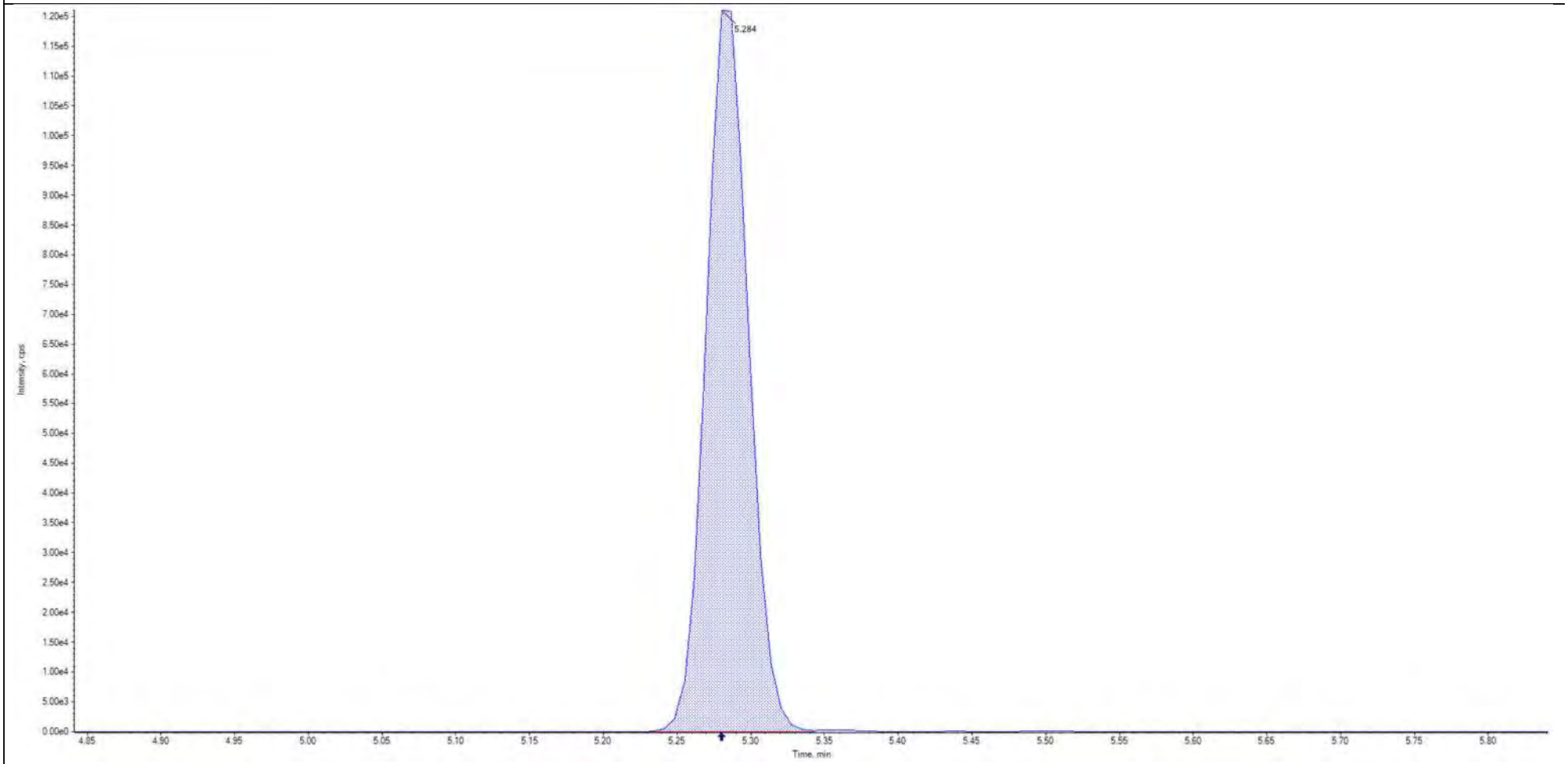
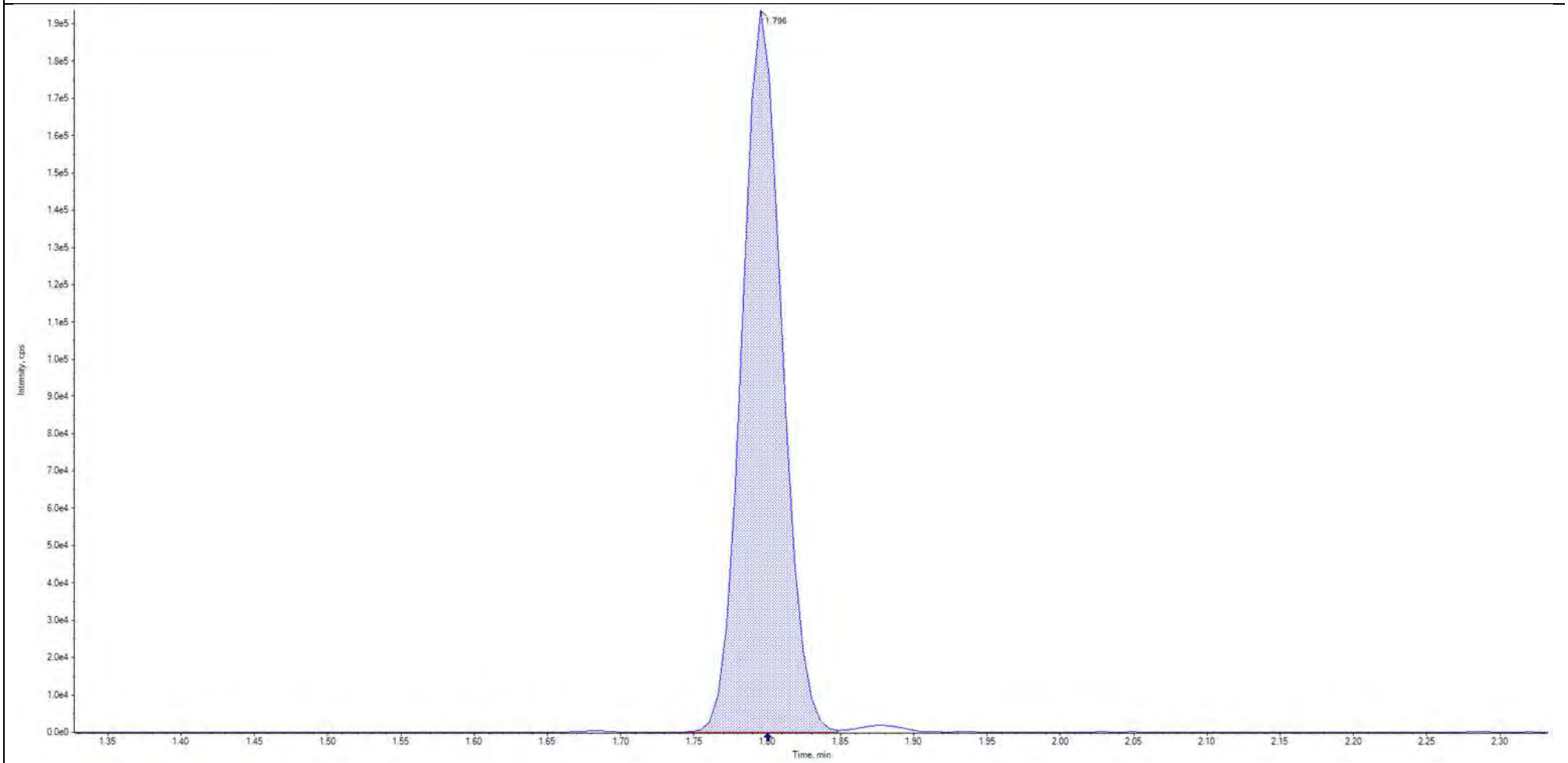
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2_1
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

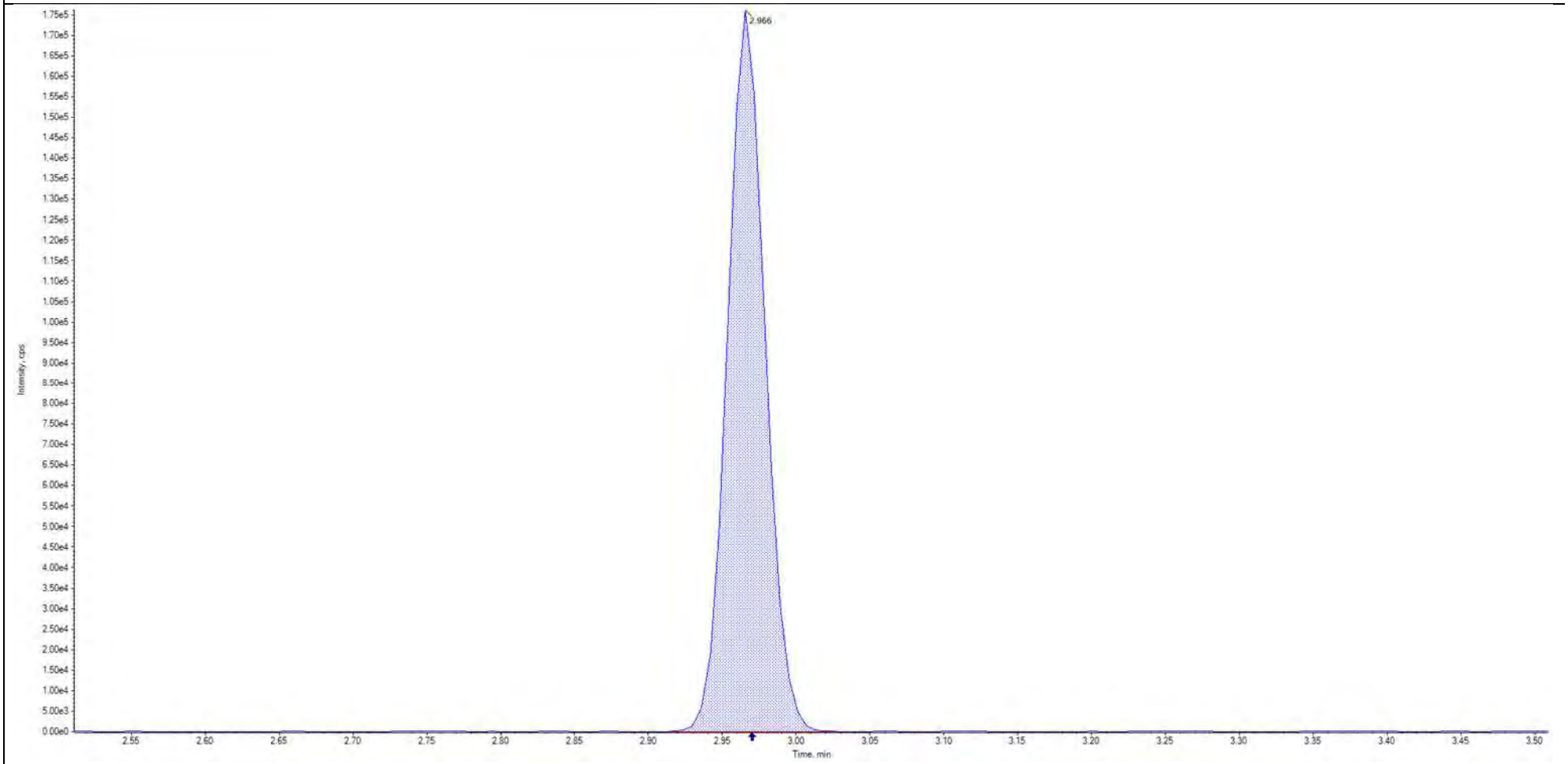
13C2-PFTeDA
Sample: IA1633STD-.1



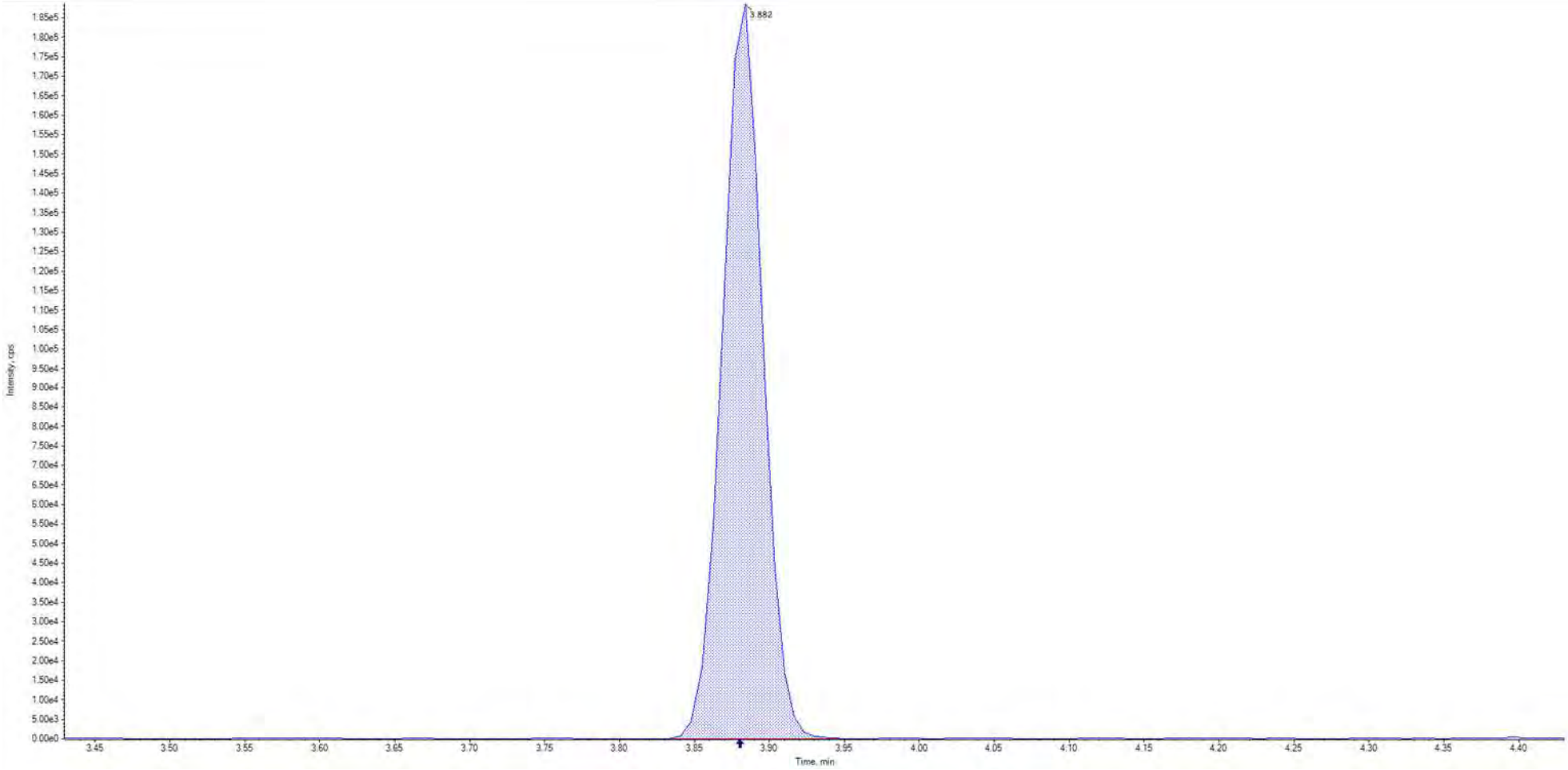
13C3-PFBS
Sample: IA1633STD-.1



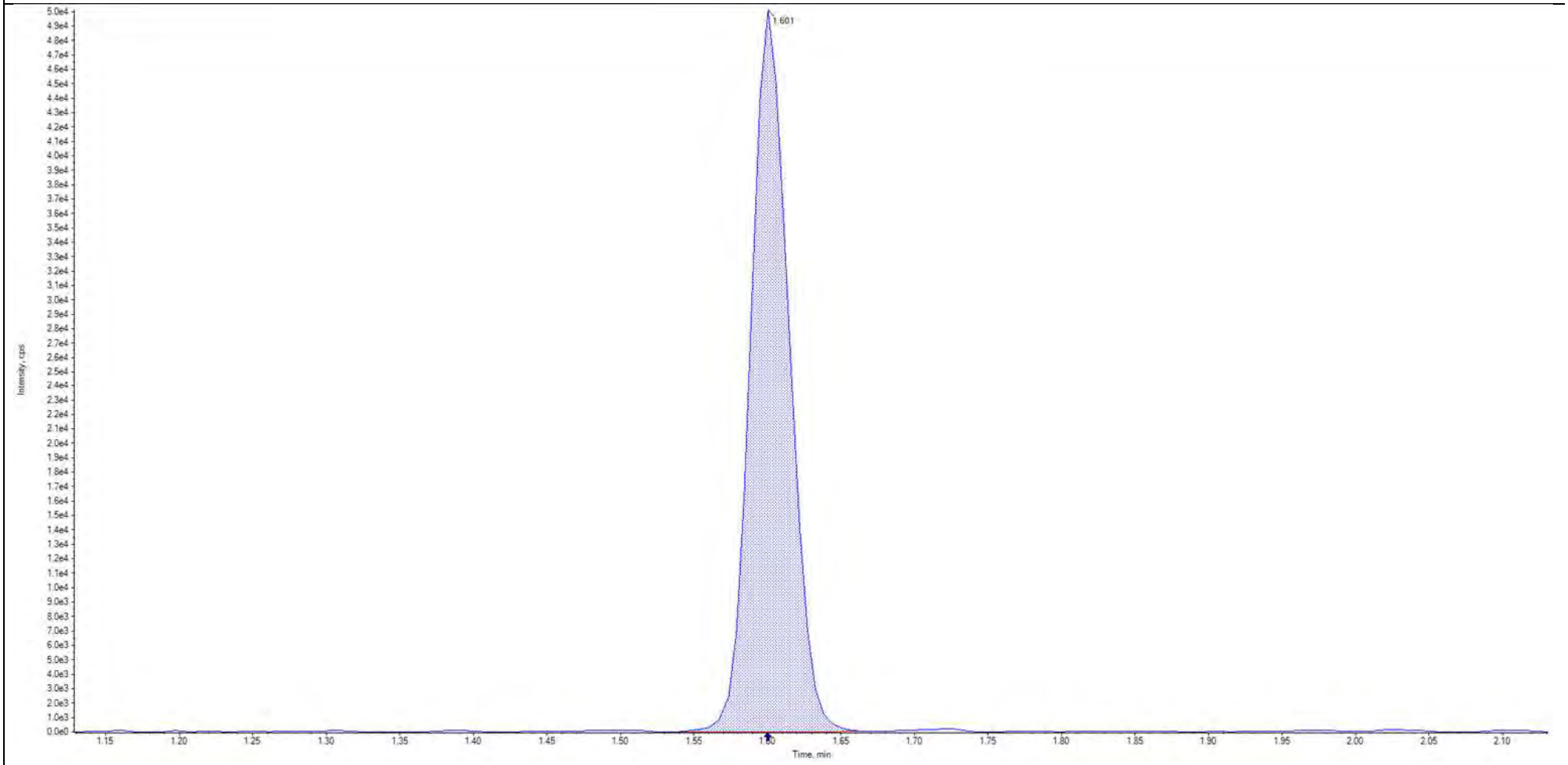
13C3-PFHxS
Sample: IA1633STD-.1



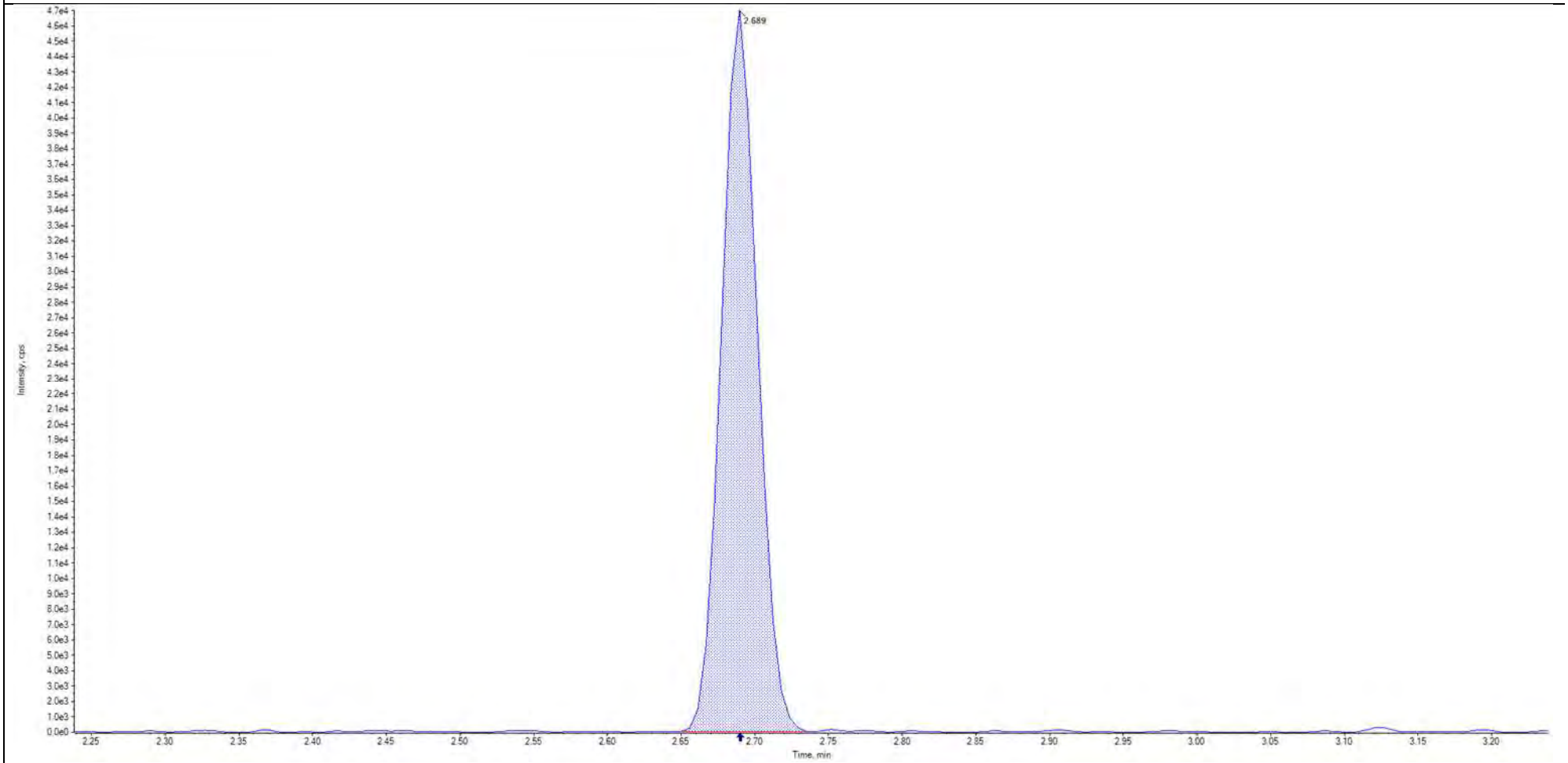
13C8-PFOS
Sample: IA1633STD-.1



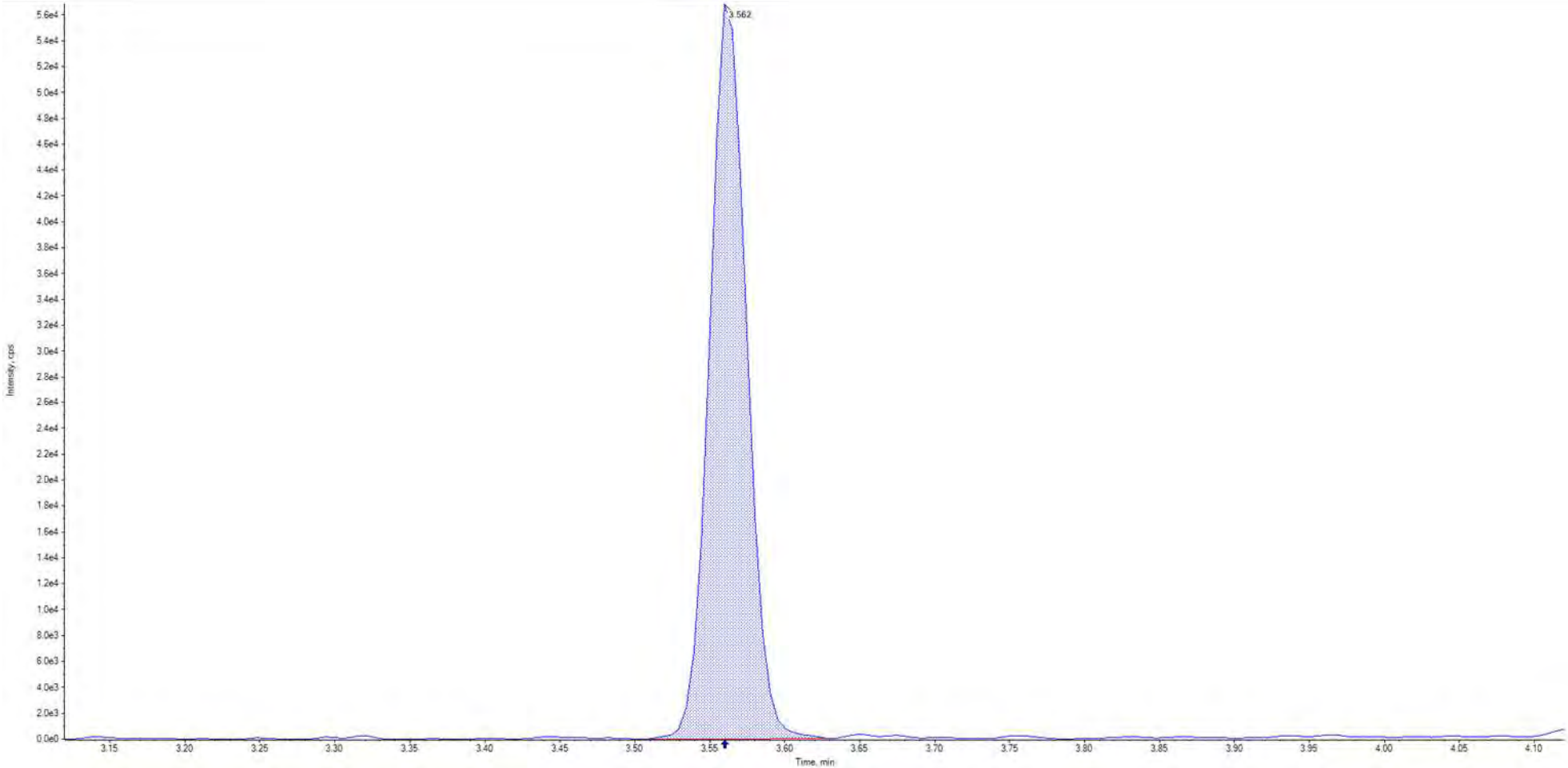
13C2-4:2FTS
Sample: IA1633STD-.1



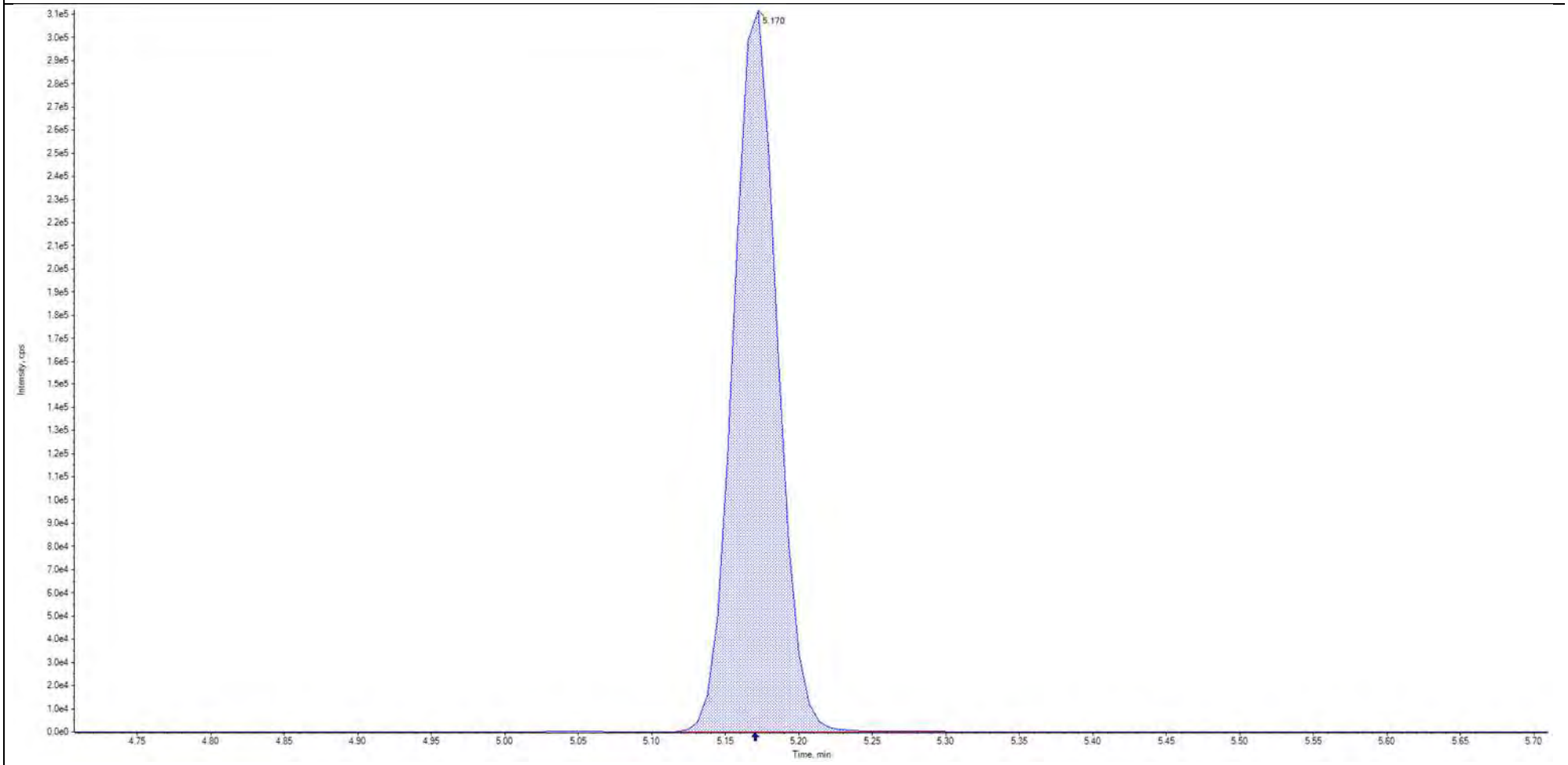
13C2-6:2FTS
Sample: IA1633STD-.1



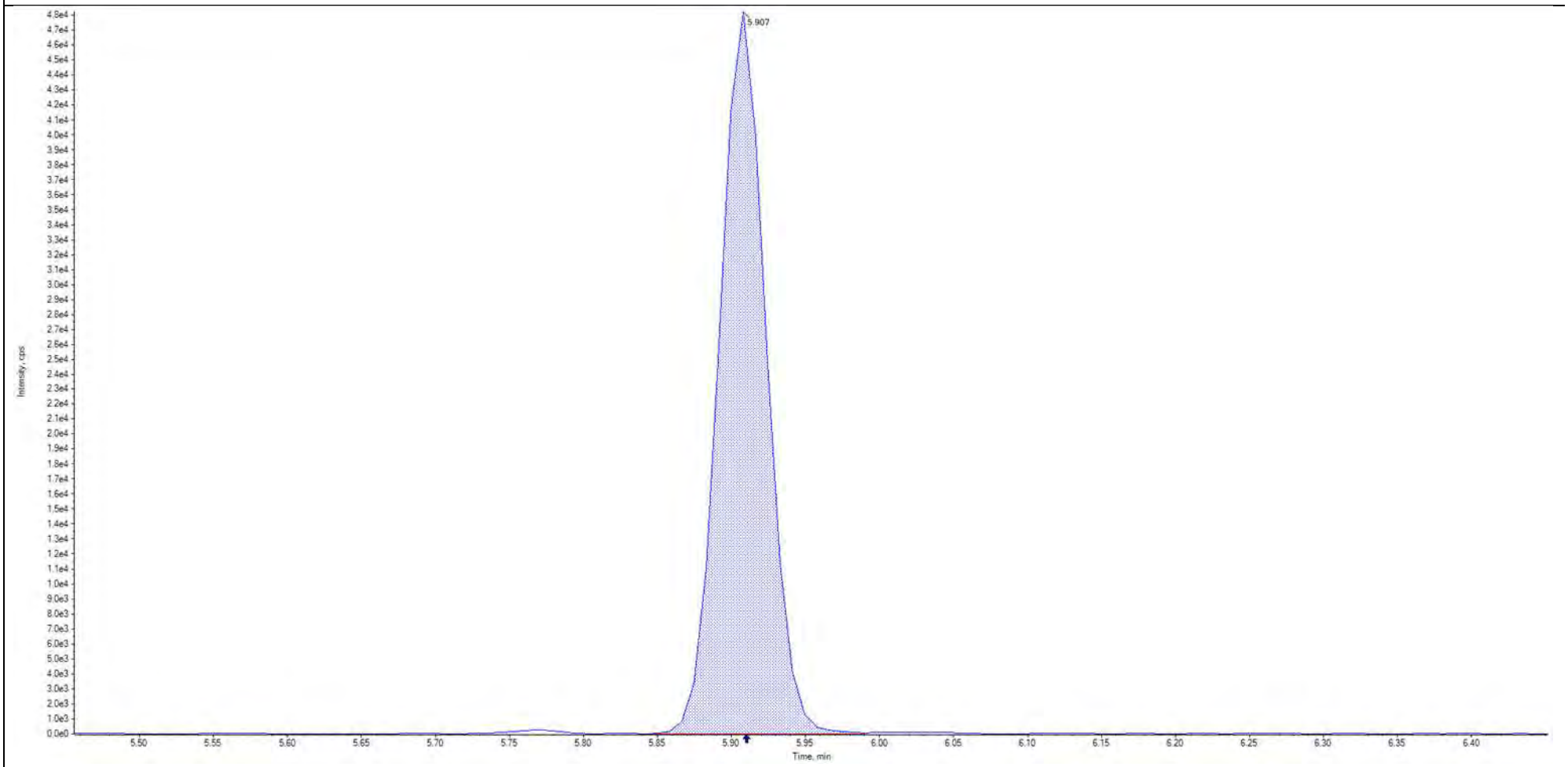
13C2-8:2FTS
Sample: IA1633STD-.1



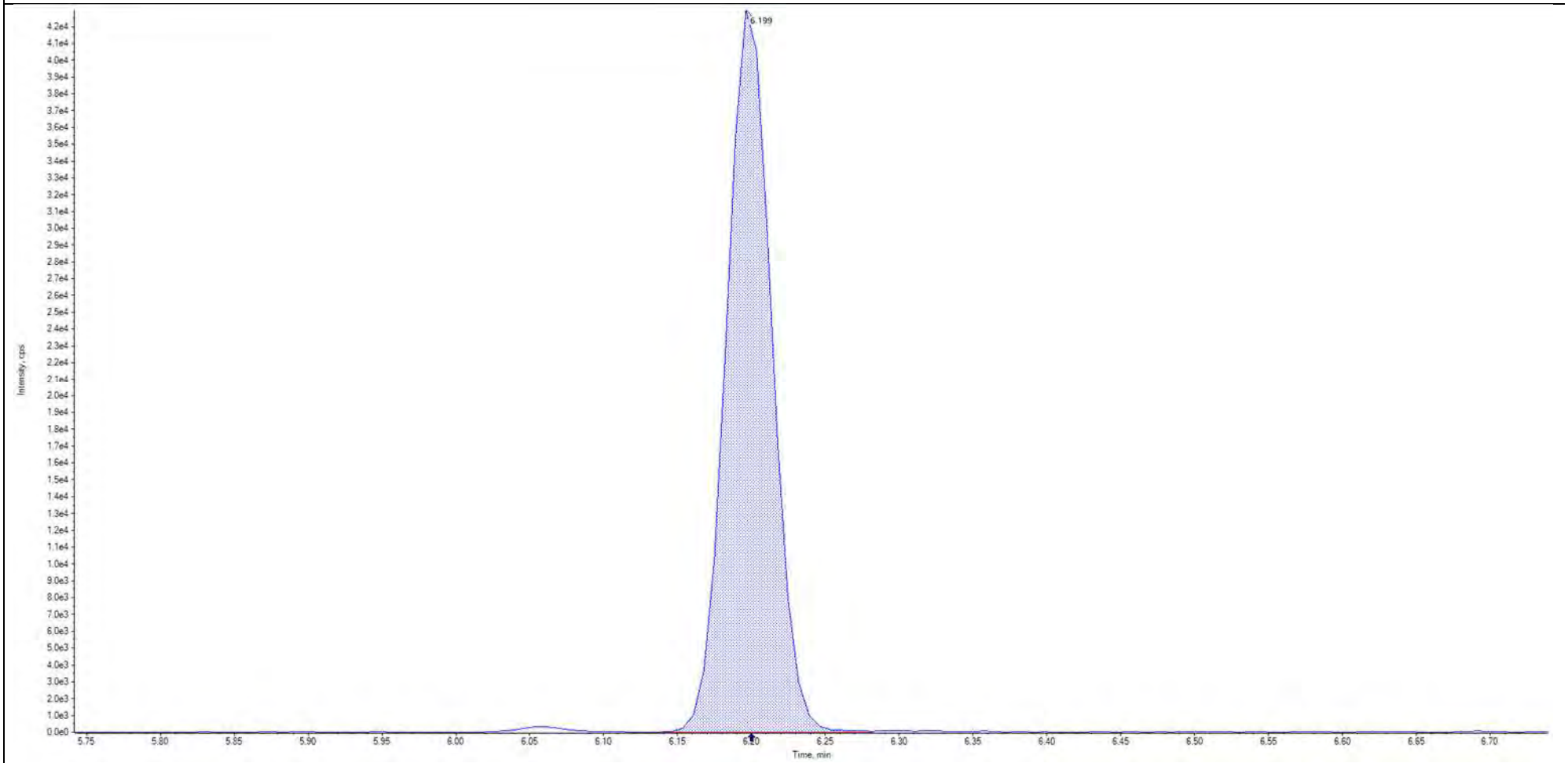
13C8-PFOSA
Sample: IA1633STD-.1



d3-NMeFOSA
Sample: IA1633STD-.1



d5-NEtFOSA
Sample: IA1633STD-.1



d3-NMeFOSAA
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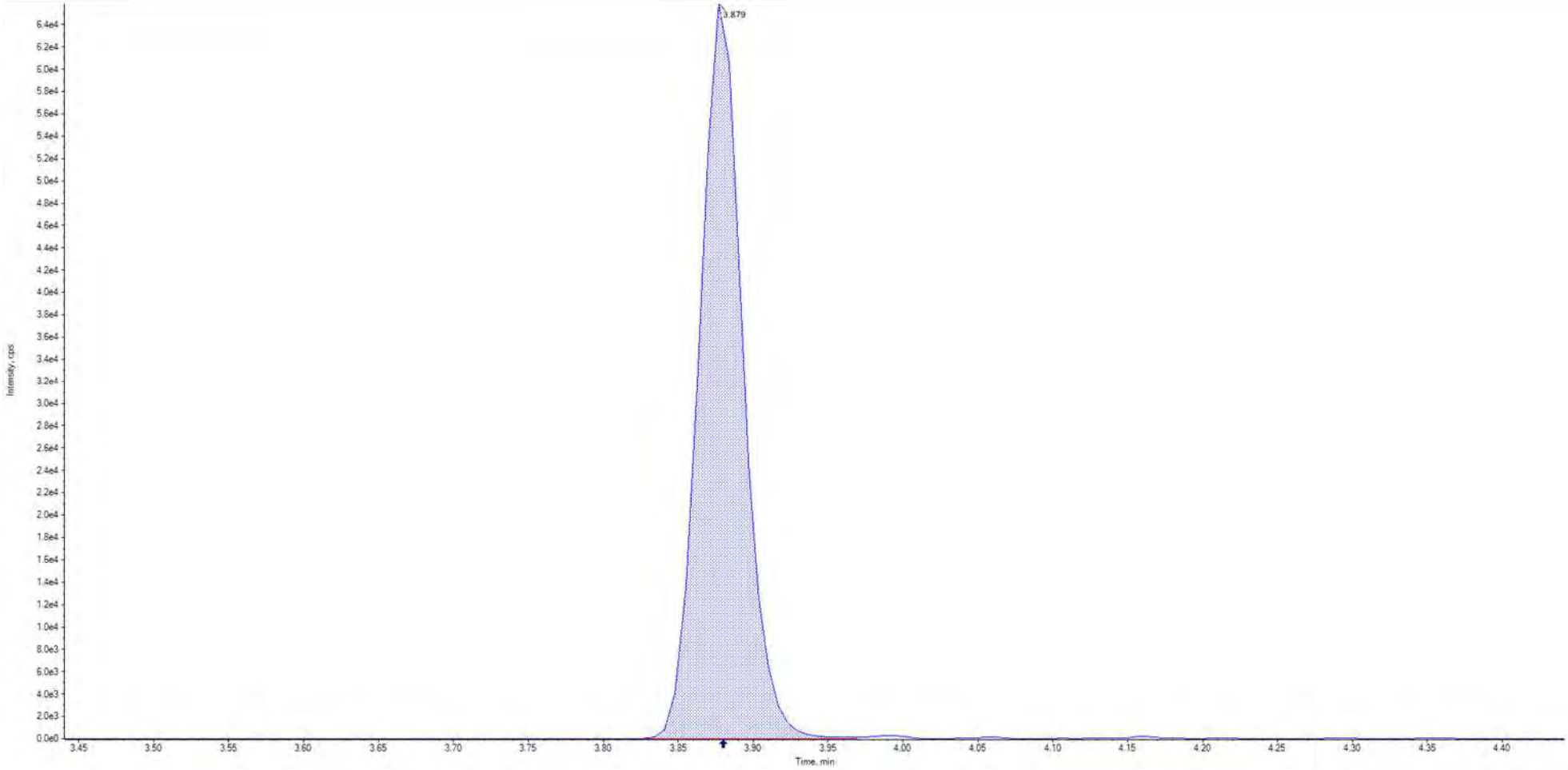
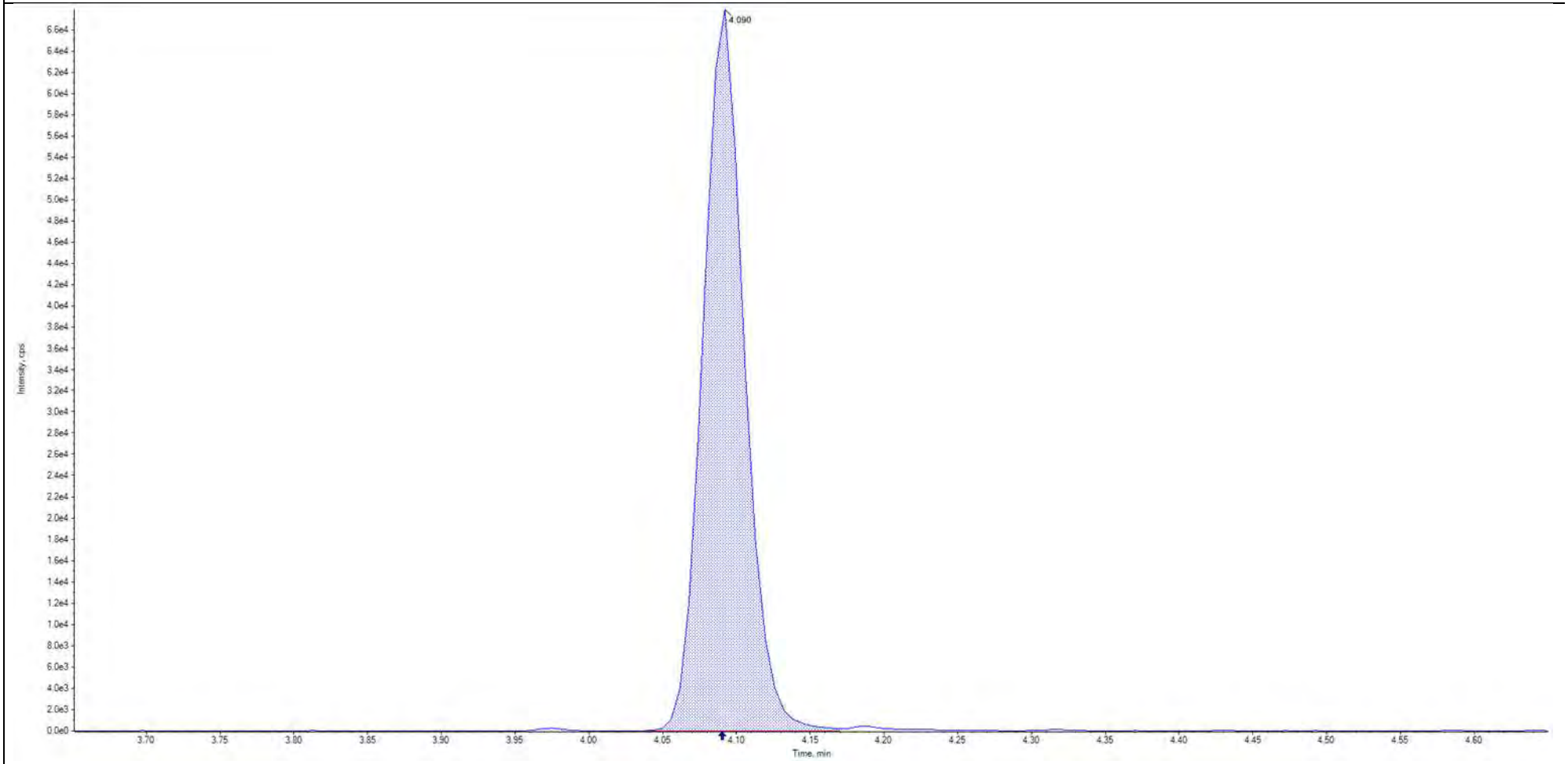
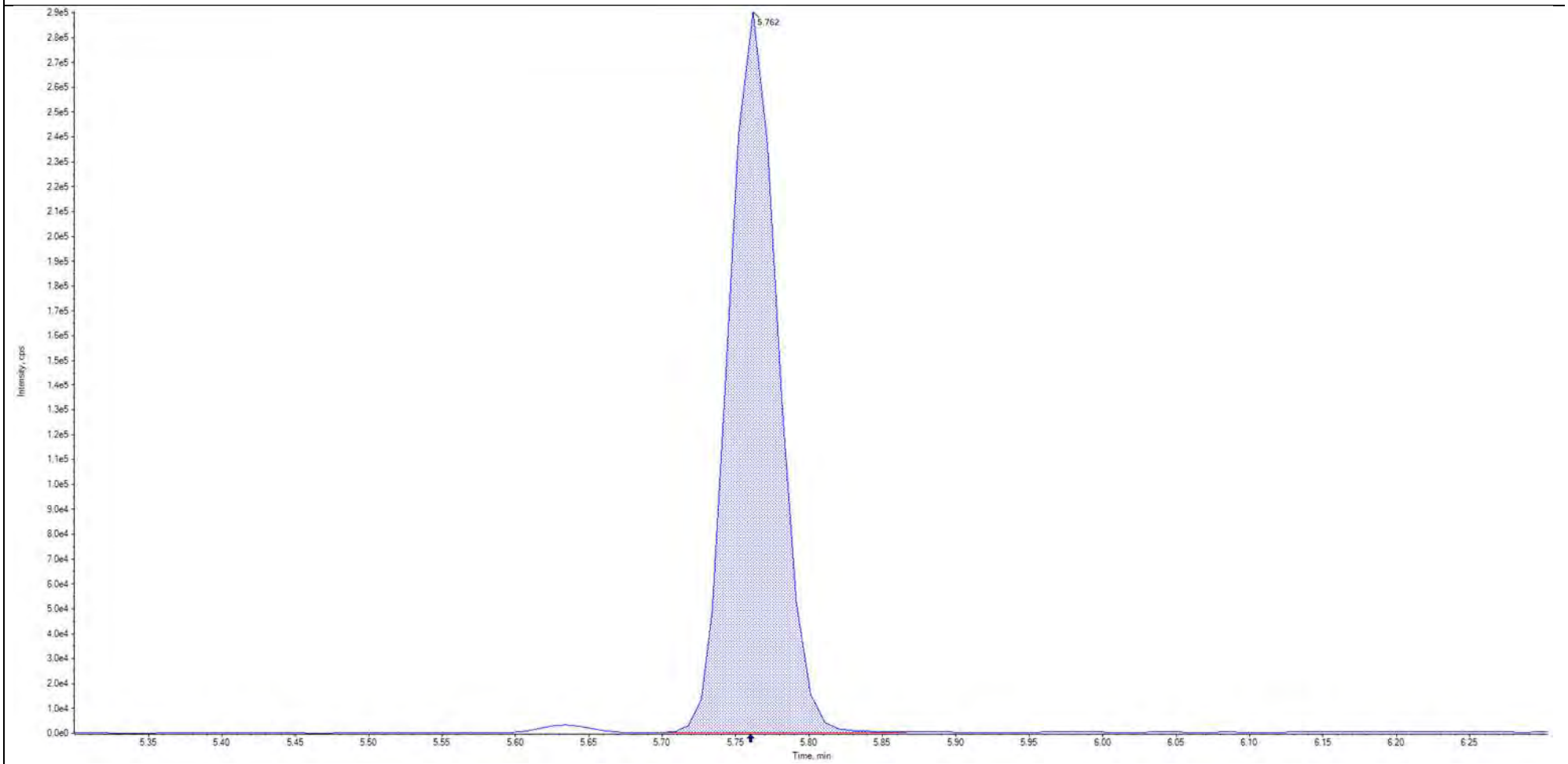


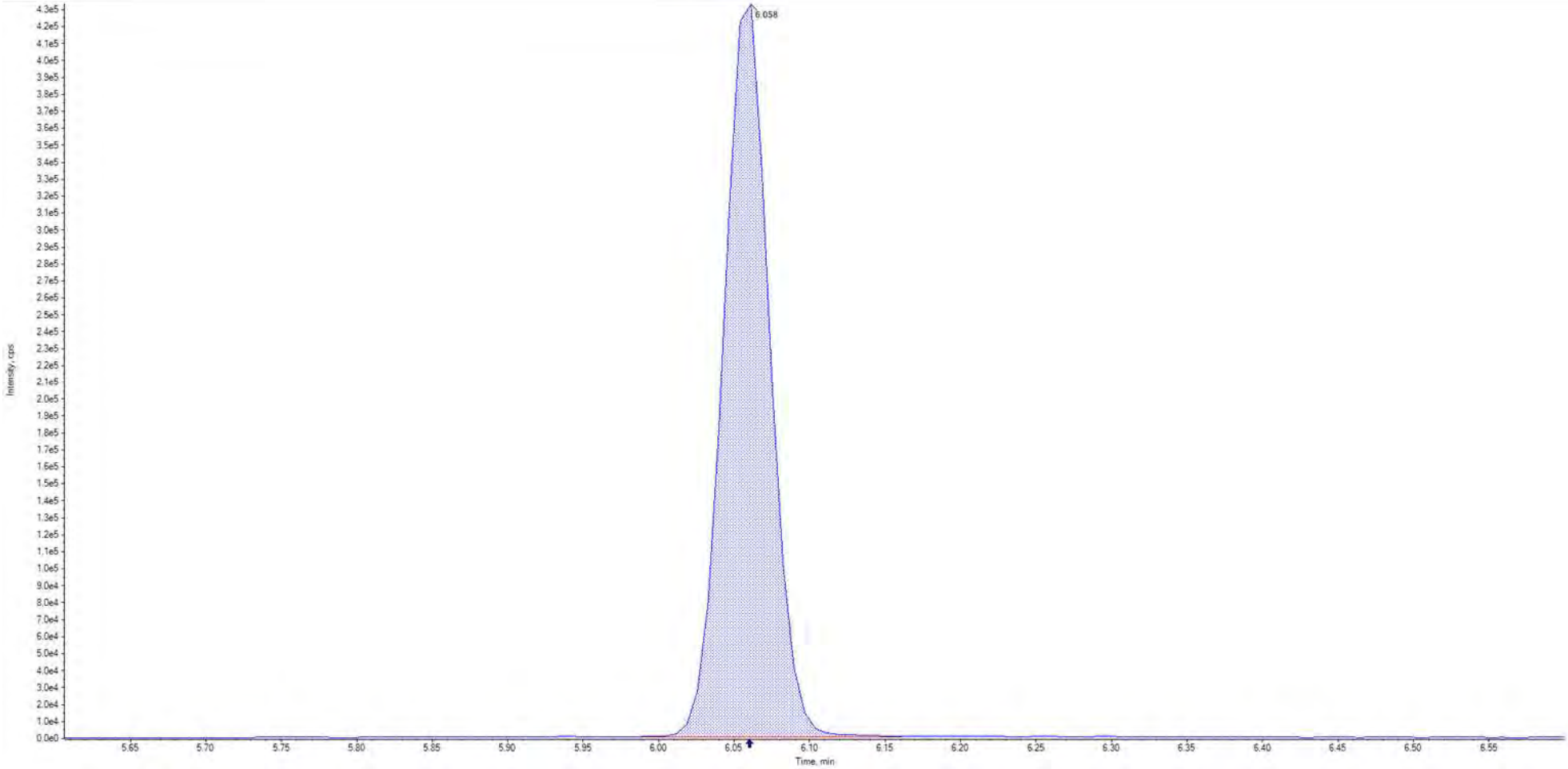
d5-NEtFOSAA
Sample: IA1633STD-.1



d7-NMeFOSE
Sample: IA1633STD-.1



d9-NEtFOSE
Sample: IA1633STD-.1



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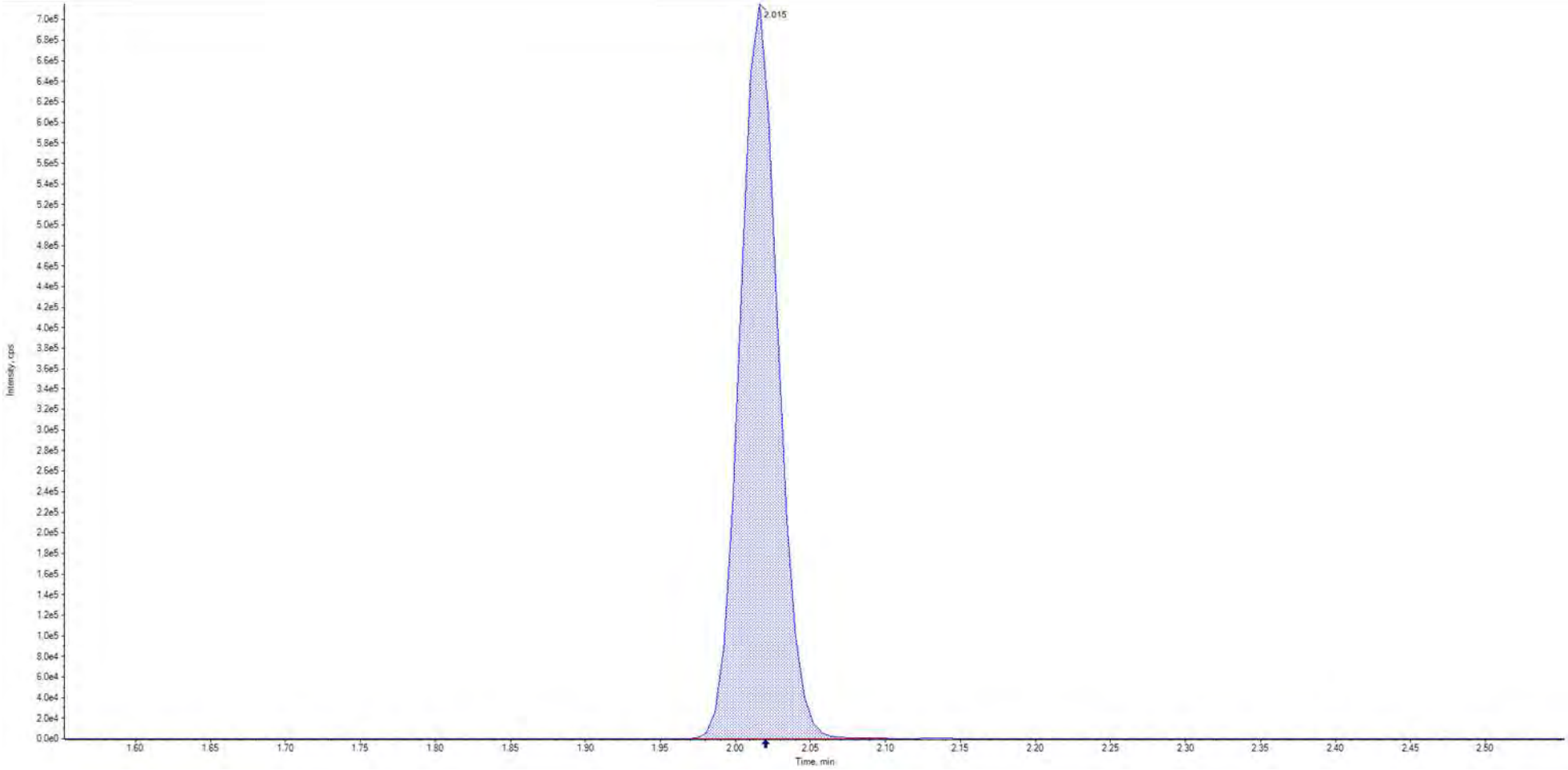
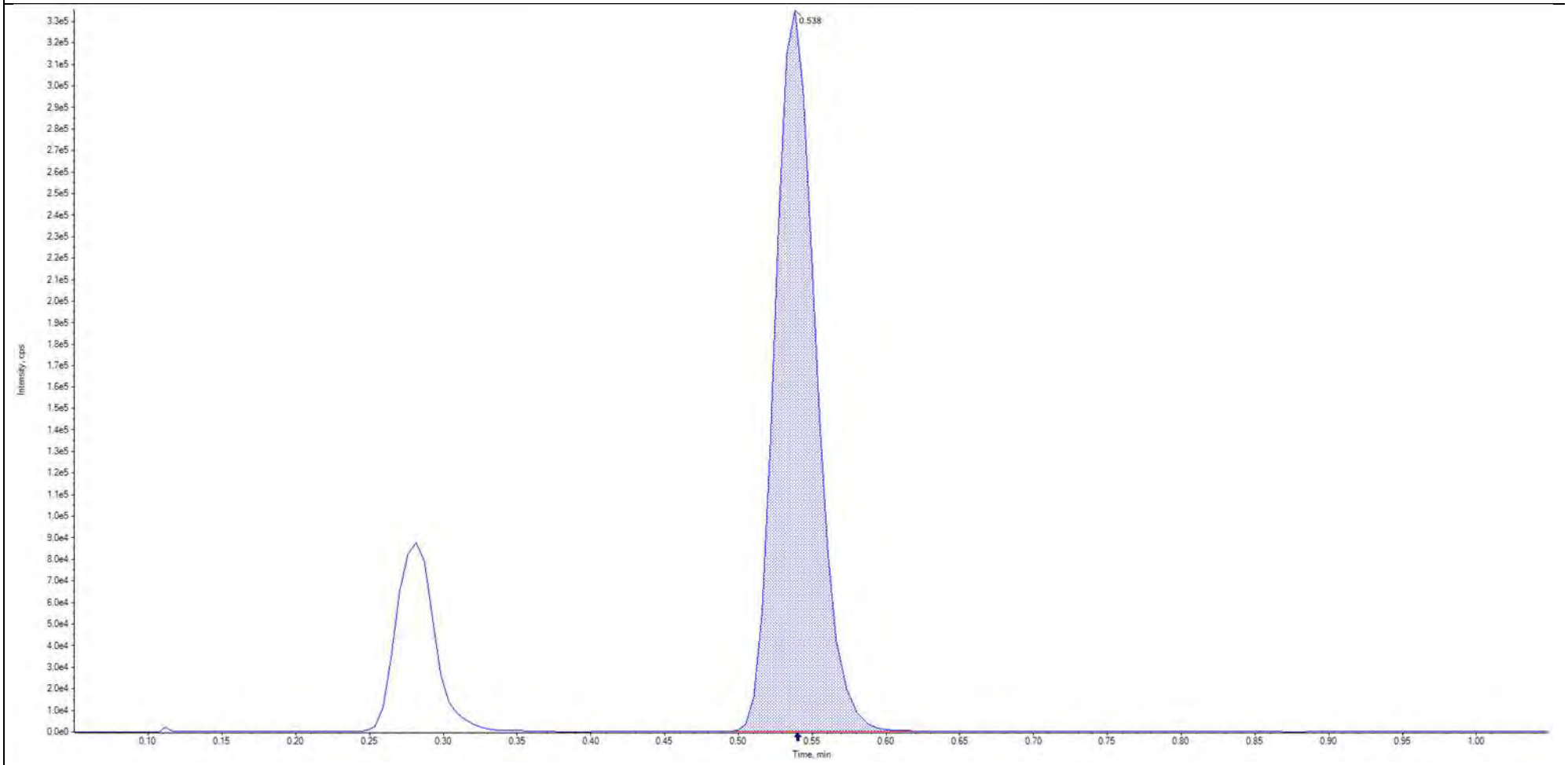
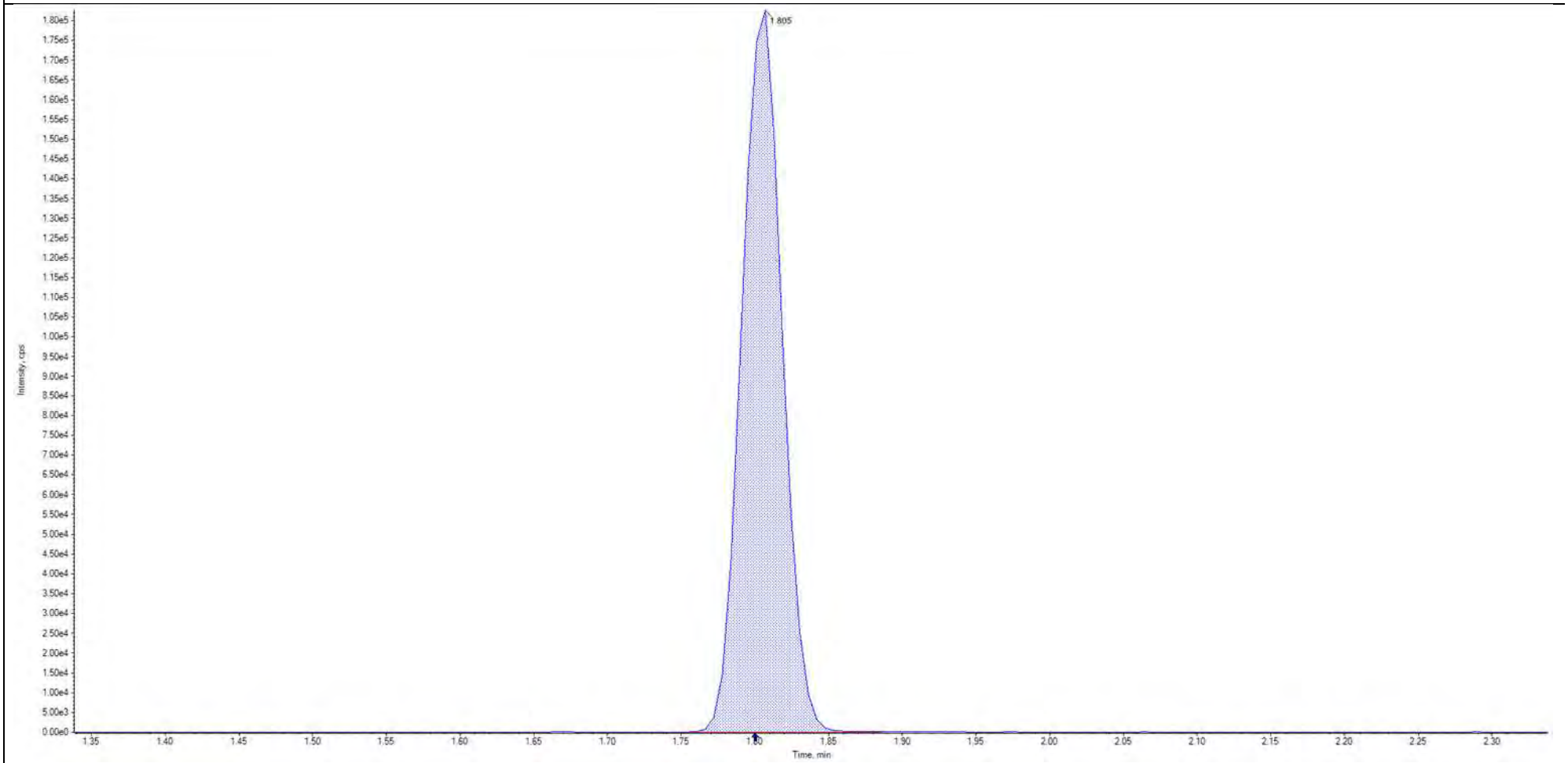
13C3-HFPO-DA
Sample: IA1633STD-.1



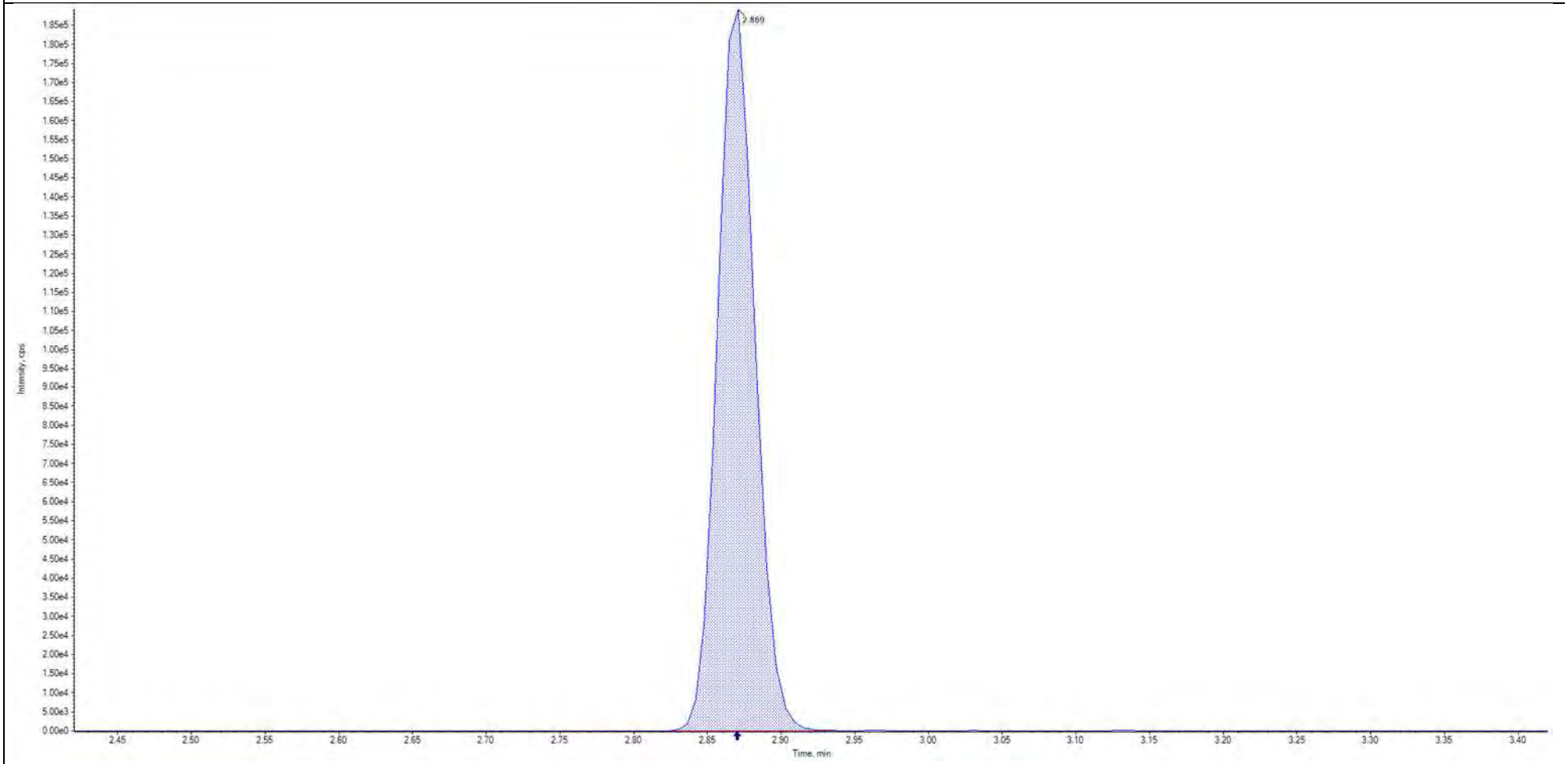
13C3-PFBA
Sample: IA1633STD-.1



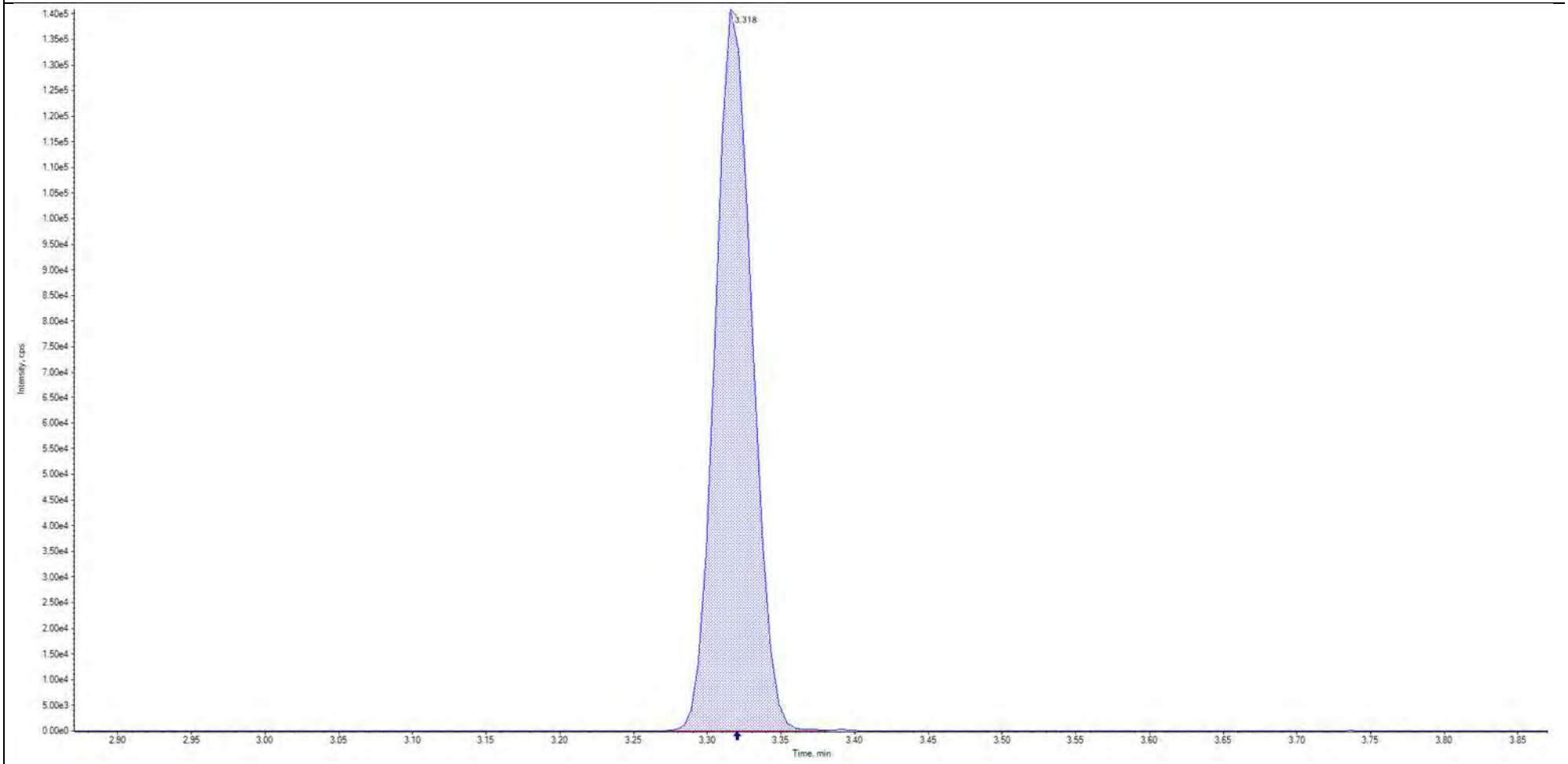
13C2-PFHxA
Sample: IA1633STD-.1



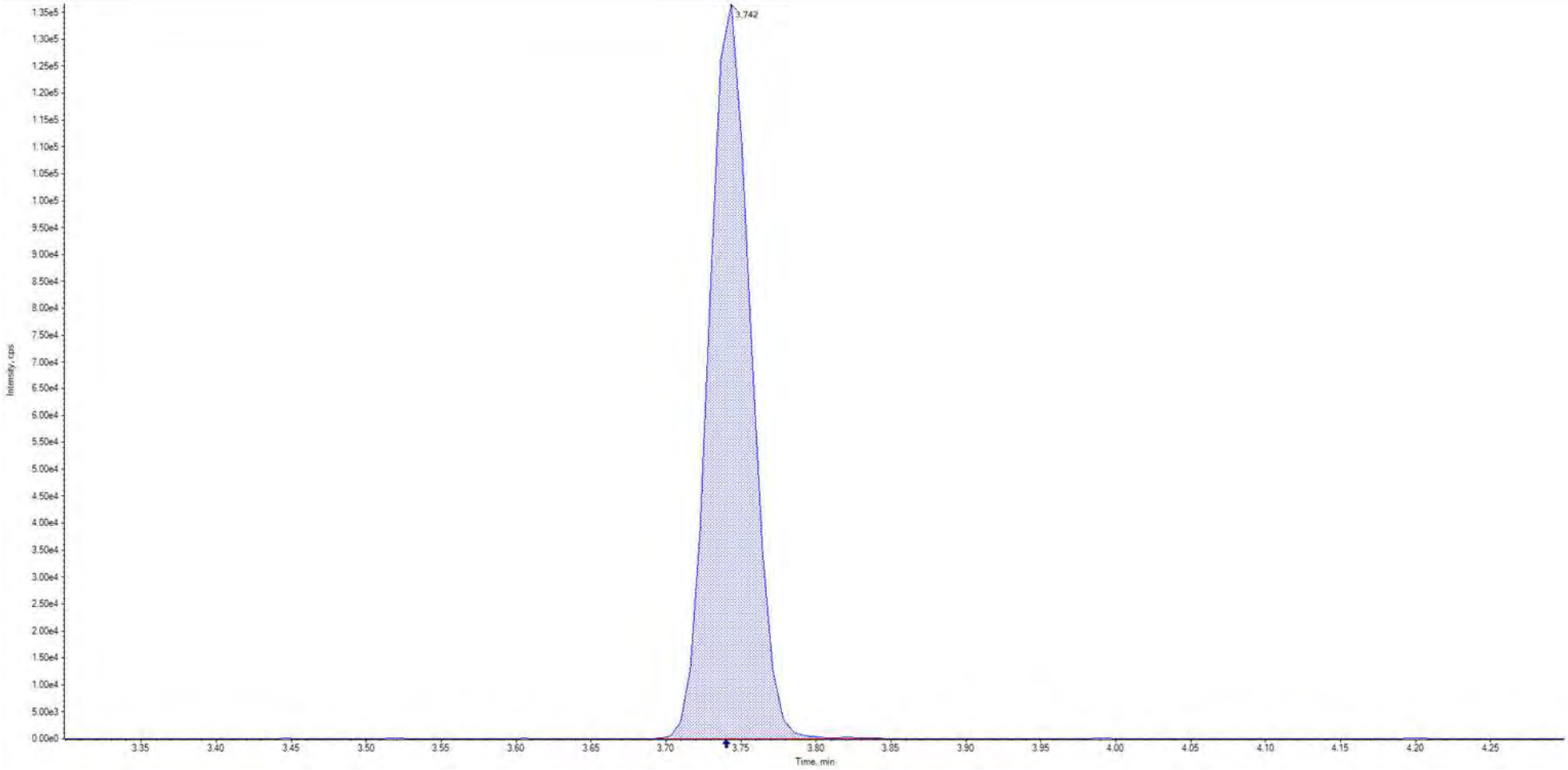
13C4-PFOA
Sample: IA1633STD-.1



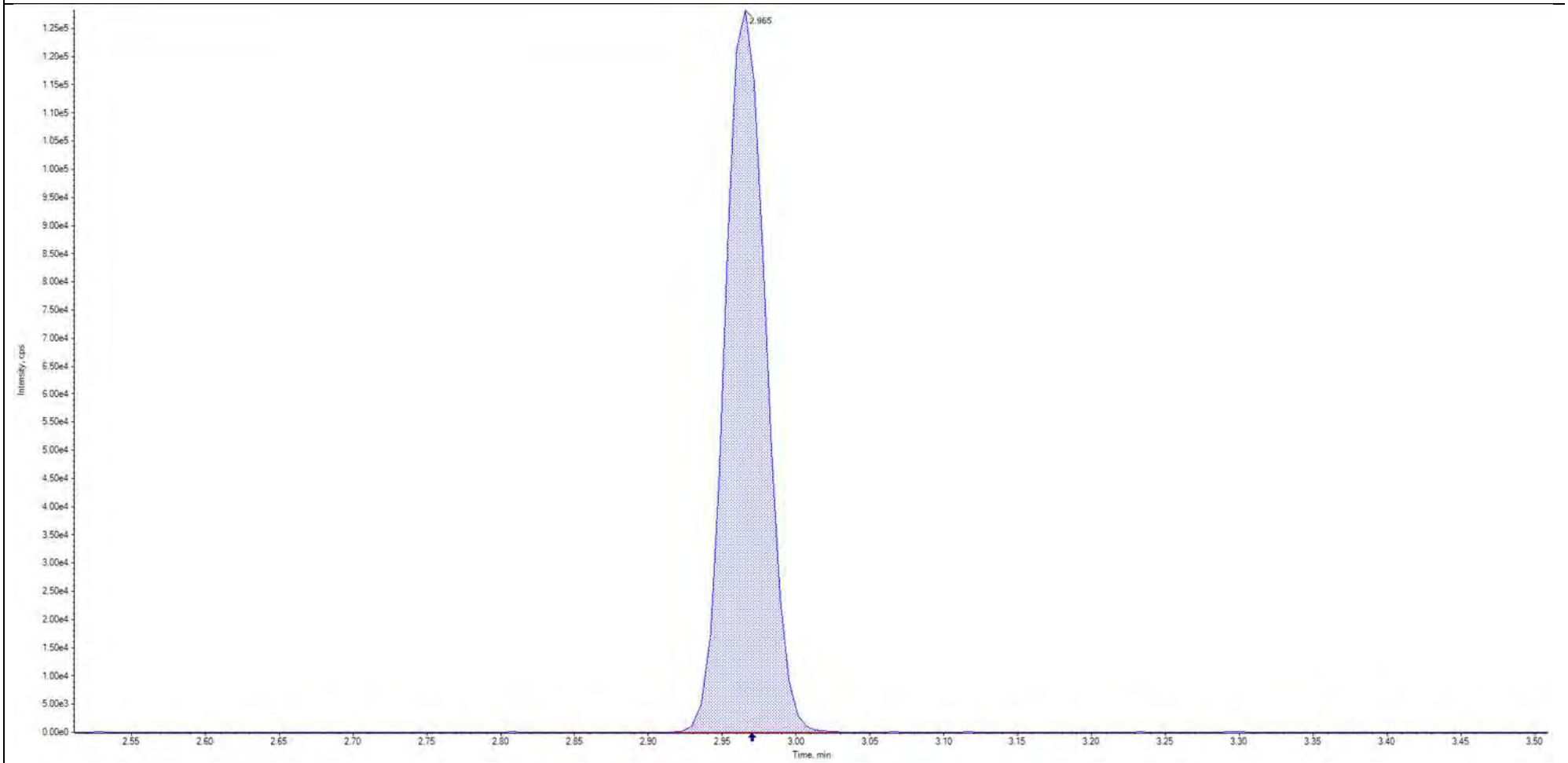
13C5-PFNA
Sample: IA1633STD-.1



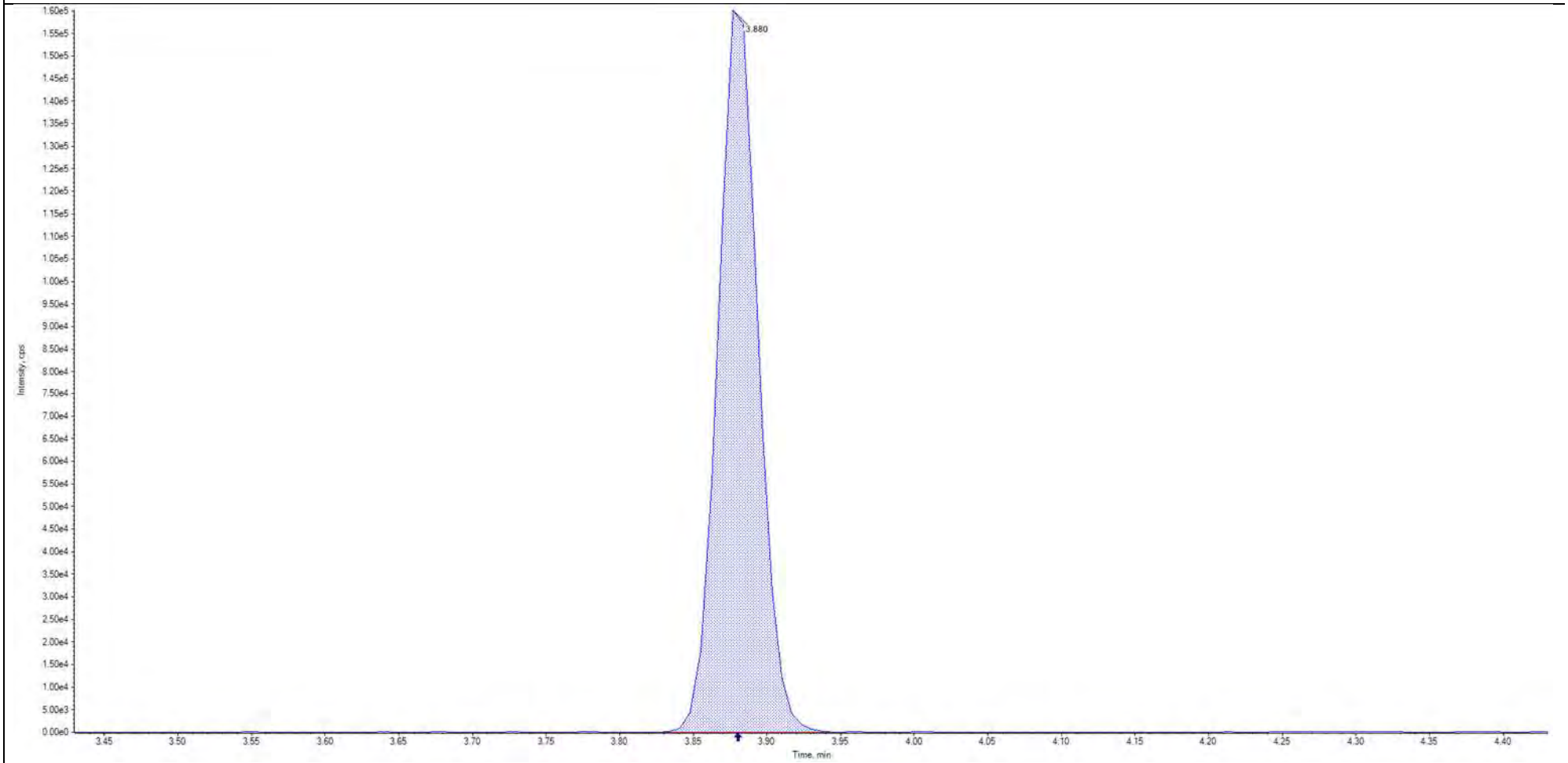
13C2-PFDA
Sample: IA1633STD-.1



18O2-PFHxS
Sample: IA1633STD-.1



13C4-PFOS
Sample: IA1633STD-.1



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_16.wiff2_1
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_17.wiff2_2
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

Method: EPA1633F.qmethod
Calibration: 241112_1633_ICAL

ID: IA1633STD-.2
Name: SCI09_241112_17.wiff2
Date & Time: 2024-11-12T13:56:23
Description: WG1996415
Instrument: SCIEX Triple Quad 5500+
User: LCMS09:PNB

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.55	213.0 / 169.0	118095		0.814	N/A	N/A	N/A	101.8
2	PFPeA	2706-90-3	1.08	263.0 / 219.0	48508		0.379	0.011	N/A	N/A	94.7
3	PFPeA_2	2706-90-3	1.07	263.0 / 68.9	531	M2	0.475	0.011	N/A	N/A	118.8
4	PFHxA	307-24-4	1.82	313.0 / 269.0	36106		0.212	0.077	0.089	Pass	106.0
5	PFHxA_2	307-24-4	1.82	313.0 / 119.0	2786		0.180	0.077	0.089	Pass	90.0
6	PFHpA	375-85-9	2.39	363.1 / 319.0	38680		0.216	0.384	0.384	Pass	108.0
7	PFHpA_2	375-85-9	2.39	363.1 / 169.0	14845		0.213	0.384	0.384	Pass	106.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	2.89	413.1 / 369.1	41050	M5	0.212	0.401	0.410	Pass	106.2
9	PFOA_2	335-67-1	2.88	413.1 / 169.0	16469	M5	0.208	0.401	0.410	Pass	104.2
10	PFNA	375-95-1	3.33	462.8 / 418.9	40908	M5	0.204	0.313	0.341	Pass	102.0
11	PFNA_2	375-95-1	3.33	462.8 / 219.0	12788	M5	0.185	0.313	0.341	Pass	92.5
12	PFDA	335-76-2	3.75	513.1 / 469.1	40103		0.191	0.186	0.215	Pass	95.5
13	PFDA_2	335-76-2	3.75	513.1 / 219.0	7441		0.188	0.186	0.215	Pass	94.2
14	PFUnA	2058-94-8	4.16	563.1 / 519.1	45899		0.191	0.134	0.151	Pass	95.3
15	PFUnA_2	2058-94-8	4.16	563.1 / 269.0	6145		0.171	0.134	0.151	Pass	85.7
16	PFDoA	307-55-1	4.55	613.1 / 569.1	51636		0.193	0.137	0.140	Pass	96.4
17	PFDoA_2	307-55-1	4.55	613.1 / 319.0	7097		0.189	0.137	0.140	Pass	94.3
18	PFTrDA	72629-94-8	4.93	663.1 / 619.1	50459		0.207	0.132	0.159	Pass	103.5
19	PFTrDA_2	72629-94-8	4.92	663.1 / 169.0	6684		0.177	0.132	0.159	Pass	88.6
20	PFTeDA	376-06-7	5.29	713.1 / 669.1	43540		0.197	0.159	0.159	Pass	98.6
21	PFTeDA_2	376-06-7	5.29	713.1 / 169.0	6909		0.196	0.159	0.159	Pass	97.9
22	PFBS	375-73-5	1.81	299.1 / 80.1	31649		0.174	0.373	0.398	Pass	97.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	1.81	299.1 / 99.1	11795		0.186	0.373	0.398	Pass	98.9
24	PFPeS	2706-91-4	2.44	349.1 / 80.1	26547		0.167	0.317	0.285	Pass	89.1
25	PFPeS_2	2706-91-4	2.45	349.1 / 99.1	8406		0.169	0.317	0.285	Pass	90.1
26	PFHxS	355-46-4	2.98	399.1 / 80.1	28240	M5	0.185	0.259	0.293	Pass	101.9
27	PFHxS_2	355-46-4	2.98	399.1 / 99.1	7302	M5	0.167	0.259	0.293	Pass	91.7
28	PFHpS	375-92-8	3.45	449.1 / 80.1	30709		0.199	0.253	0.308	Pass	104.6
29	PFHpS_2	375-92-8	3.45	449.1 / 99.1	7766		0.172	0.253	0.308	Pass	90.6
30	PFOS	1763-23-1	3.89	499.1 / 80.1	33013	M5	0.184	0.242	0.241	Pass	99.0
31	PFOS_2	1763-23-1	3.89	499.1 / 99.1	7988	M5	0.184	0.242	0.241	Pass	98.9
32	PFNS	68259-12-1	4.31	549.1 / 80.1	24235		0.188	0.260	0.299	Pass	97.9
33	PFNS_2	68259-12-1	4.31	549.1 / 99.1	6289		0.167	0.260	0.299	Pass	87.1
34	PFDS	335-77-3	4.70	599.1 / 80.1	24133		0.176	0.320	0.274	Pass	91.2
35	PFDS_2	335-77-3	4.70	599.1 / 99.1	7729		0.197	0.320	0.274	Pass	102.2
36	PFDoS	79780-39-5	5.44	699.2 / 80.1	22725		0.190	0.288	0.247	Pass	98.2
37	PFDoS_2	79780-39-5	5.43	699.2 / 99.1	6550		0.214	0.288	0.247	Pass	110.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	1.61	327.1 / 307.1	28743		0.792	0.589	0.634	Pass	105.6
39	4:2FTS_2	757124-72-4	1.61	327.1 / 81.1	16940		0.738	0.589	0.634	Pass	98.5
40	6:2FTS	27619-97-2	2.70	427.2 / 407.2	25492		0.842	0.591	0.609	Pass	110.6
41	6:2FTS_2	27619-97-2	2.70	427.2 / 81.1	15058		0.800	0.591	0.609	Pass	105.2
42	8:2FTS	39108-34-4	3.57	527.2 / 507.2	22071		0.787	0.661	0.681	Pass	102.5
43	8:2FTS_2	39108-34-4	3.57	527.2 / 81.1	14587		0.803	0.661	0.681	Pass	104.5
44	PFOSA	754-91-6	5.18	498.1 / 78.1	42965	M5	0.190	0.026	0.024	Pass	95.1
45	PFOSA_2	754-91-6	5.18	498.1 / 478.0	1098	M5	0.197	0.026	0.024	Pass	98.4
46	NMeFOSA	31506-32-8	5.92	512.2 / 219.0	9783	M5	0.195	1.445	1.421	Pass	97.5
47	NMeFOSA_2	31506-32-8	5.88	512.2 / 169.0	14140	M5	0.196	1.445	1.421	Pass	97.9
48	NEtFOSA	4151-50-2	6.21	526.2 / 219.0	8244	M5	0.179	1.467	1.258	Pass	89.7
49	NEtFOSA_2	4151-50-2	6.17	526.2 / 169.0	12094	M5	0.204	1.467	1.258	Pass	101.8
50	NMeFOSAA	2355-31-9	3.89	570.2 / 419.1	4115	M5	0.183	0.779	0.683	Pass	91.3
51	NMeFOSAA_2	2355-31-9	3.88	570.2 / 483.0	3207	M5	0.203	0.779	0.683	Pass	101.6
52	NEtFOSAA	2991-50-6	4.10	584.2 / 419.1	4438	M5	0.167	0.805	0.571	Pass	83.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.10	584.2 / 526.2	3571	M5	0.231	0.805	0.571	Pass	115.4
54	NMeFOSE	24448-09-7	5.79	616.1 / 58.9	125781	M5	1.913	N/A	N/A	N/A	95.6
55	NEtFOSE	1691-99-2	6.08	630.0 / 58.9	166415	M5	1.921	N/A	N/A	N/A	96.1
56	HFPO-DA	13252-13-6	2.03	285.0 / 169.0	106038		0.787	0.557	0.510	Pass	98.3
57	HFPO-DA_2	13252-13-6	2.03	285.0 / 184.9	59107		0.818	0.557	0.510	Pass	102.2
58	ADONA	919005-14-4	2.58	376.9 / 251.0	178802		0.769	0.841	0.636	Pass	101.8
59	ADONA_2	919005-14-4	2.58	376.9 / 84.8	150438		0.851	0.841	0.636	Pass	112.6
60	9Cl-PF3ONS	756426-58-1	4.18	530.8 / 351.1	248939		0.771	0.351	0.326	Pass	103.4
61	9Cl-PF3ONS_2	756426-58-1	4.18	532.8 / 353.0	87253		0.809	0.351	0.326	Pass	108.4
62	11Cl-PF3OUdS	763051-92-9	4.96	630.9 / 451.0	227971		0.797	0.320	0.318	Pass	105.8
63	11Cl-PF3OUdS_2	763051-92-9	4.96	632.9 / 452.9	72947		0.797	0.320	0.318	Pass	105.7
64	3:3FTCA	356-02-5	1.44	241.1 / 177.1	7848		0.760	1.375	1.068	Pass	76.0
65	3:3FTCA_2	356-02-5	1.44	241.1 / 117.0	10792		0.976	1.375	1.068	Pass	97.6
66	5:3FTCA	914637-49-3	2.94	341.1 / 237.1	232264		5.200	0.967	1.045	Pass	104.0
67	5:3FTCA_2	914637-49-3	2.94	341.1 / 217.0	224597		4.918	0.967	1.045	Pass	98.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	3.97	441.1 / 316.9	184161		4.601	1.389	1.285	Pass	92.0
69	7:3FTCA_2	812-70-4	3.97	441.1 / 337.1	255826		4.928	1.389	1.285	Pass	98.6
70	PFEESA	113507-82-7	2.11	315.1 / 135.0	186018		0.380	0.089	0.081	Pass	106.3
71	PFEESA_2	113507-82-7	2.11	315.1 / 82.9	16561		0.416	0.089	0.081	Pass	116.6
72	PFMPA	377-73-1	0.70	229.0 / 85.0	55497		0.369	N/A	N/A	N/A	92.2
73	PFMBA	863090-89-5	1.34	279.0 / 85.0	60819		0.373	N/A	N/A	N/A	93.4
74	NFDHA	151772-58-6	1.74	295.0 / 201.0	38545		0.374	0.761	0.681	Pass	93.6
75	NFDHA_2	151772-58-6	1.74	295.0 / 84.9	29325		0.395	0.761	0.681	Pass	98.9
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	5.357	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	5.357	N/A	N/A
78	13C2D4-4:2FTS	Surr	1.60	333.2 / 312.1	160729		6.826	N/A	N/A	N/A	136.5
79	13C2-PFOA	Surr	2.88	415.0 / 370.0	469503		3.270	N/A	N/A	N/A	130.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.55	217.0 / 172.0	1701279		10.083	NA	NA	NA	100.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.08	268.0 / 223.0	730892		5.329	NA	NA	NA	106.6
	13C5-PFHxA	EIS	1.81	318.0 / 273.0	371408		2.567	NA	NA	NA	102.7
	13C4-PFHpA	EIS	2.39	367.0 / 322.0	294229		2.436	NA	NA	NA	97.4
	13C8-PFOA	EIS	2.88	420.8 / 376.0	597554		2.362	NA	NA	NA	94.5
	13C9-PFNA	EIS	3.33	472.0 / 427.0	282689		1.240	NA	NA	NA	99.2
	13C6-PFDA	EIS	3.75	519.0 / 474.0	309888		1.238	NA	NA	NA	99.0
	13C7-PFUnA	EIS	4.15	570.0 / 525.0	369993		1.331	NA	NA	NA	106.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.54	615.1 / 570.0	381194		1.283	NA	NA	NA	102.7
	13C2-PFTeDA	EIS	5.28	715.1 / 670.1	279539		1.268	NA	NA	NA	101.5
	13C3-PFBS	EIS	1.80	302.1 / 80.1	423624		2.588	NA	NA	NA	111.1
	13C3-PFHxS	EIS	2.98	402.1 / 80.1	351023		2.420	NA	NA	NA	102.1
	13C8-PFOS	EIS	3.89	507.1 / 80.1	407032		2.441	NA	NA	NA	101.7
	13C2-4:2FTS	EIS	1.61	329.1 / 81.1	108300		4.761	NA	NA	NA	101.5
	13C2-6:2FTS	EIS	2.70	429.2 / 81.1	92215		4.567	NA	NA	NA	95.9
	13C2-8:2FTS	EIS	3.57	529.2 / 81.1	107748		4.509	NA	NA	NA	93.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	5.17	506.1 / 78.1	718964		2.540	NA	NA	NA	101.6
	d3-NMeFOSA	EIS	5.91	515.2 / 219.0	116296		2.509	NA	NA	NA	100.4
	d5-NEtFOSA	EIS	6.20	531.2 / 219.0	103262		2.455	NA	NA	NA	98.2
	d3-NMeFOSAA	EIS	3.88	573.2 / 419.1	142098		4.937	NA	NA	NA	98.7
	d5-NEtFOSAA	EIS	4.09	589.3 / 419.1	141215		4.978	NA	NA	NA	99.6
	d7-NMeFOSE	EIS	5.76	623.2 / 58.9	762703		25.402	NA	NA	NA	101.6
	d9-NEtFOSE	EIS	6.06	639.2 / 58.9	1003905		24.847	NA	NA	NA	99.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.02	287.0 / 169.0	1413549		10.002	NA	NA	NA	100.0
	13C3-PFBA	NIS	0.55	216.0 / 172.0	735484		5.800	NA	NA	NA	116.0
	13C2-PFHxA	NIS	1.81	315.0 / 270.0	401505		2.696	NA	NA	NA	107.8
	13C4-PFOA	NIS	2.88	417.0 / 372.0	403327		2.798	NA	NA	NA	111.9
	13C5-PFNA	NIS	3.33	468.0 / 423.0	283836		1.390	NA	NA	NA	111.2
	13C2-PFDA	NIS	3.75	515.1 / 470.1	297240		1.409	NA	NA	NA	112.8
	18O2-PFHxS	NIS	2.98	403.1 / 84.1	302866		2.596	NA	NA	NA	109.5
	13C4-PFOS	NIS	3.89	503.1 / 80.1	332083		2.646	NA	NA	NA	110.3

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Alpha Analytical LLC
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	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec

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PFBA
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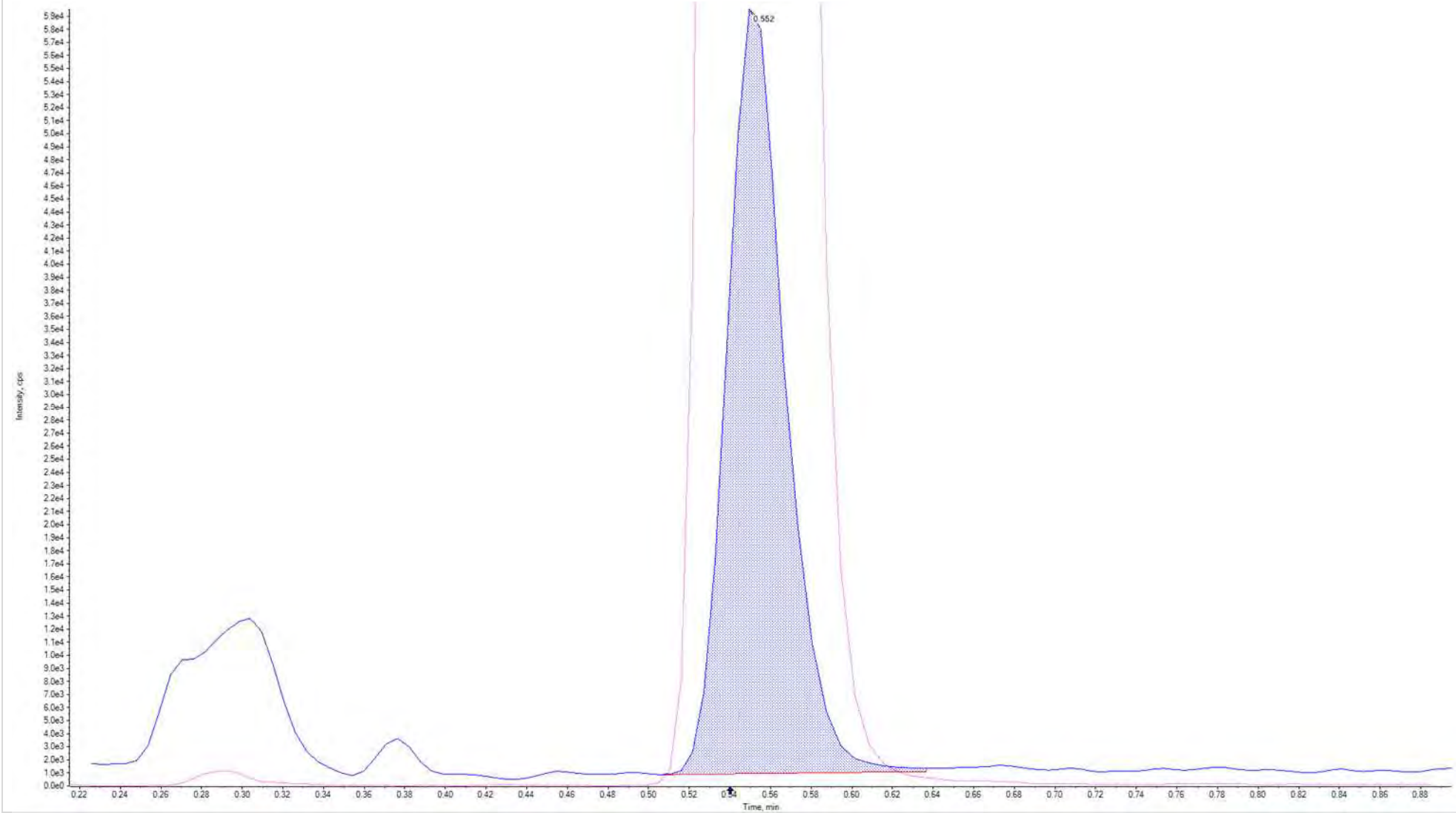

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PFPeA
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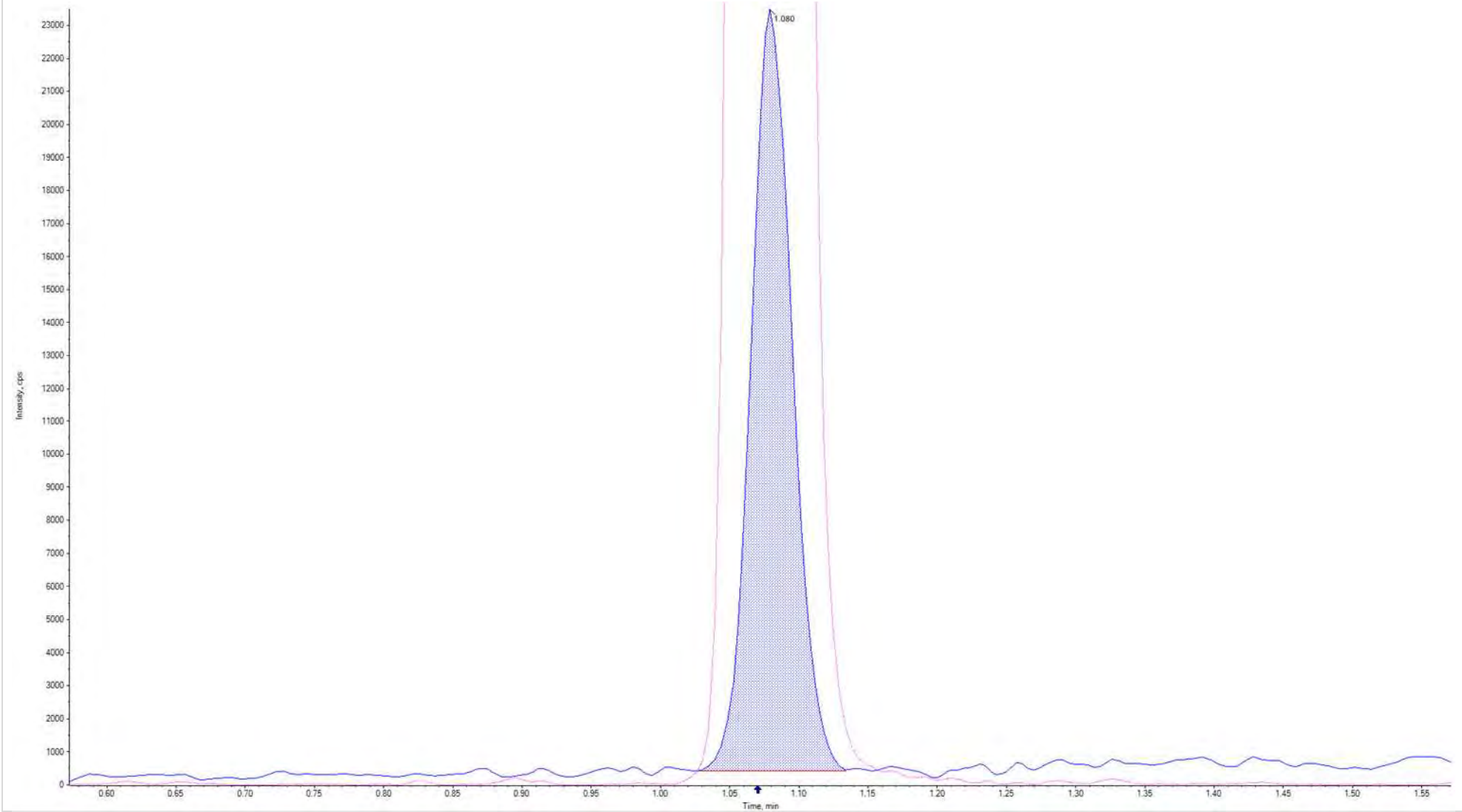

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PFPeA_2
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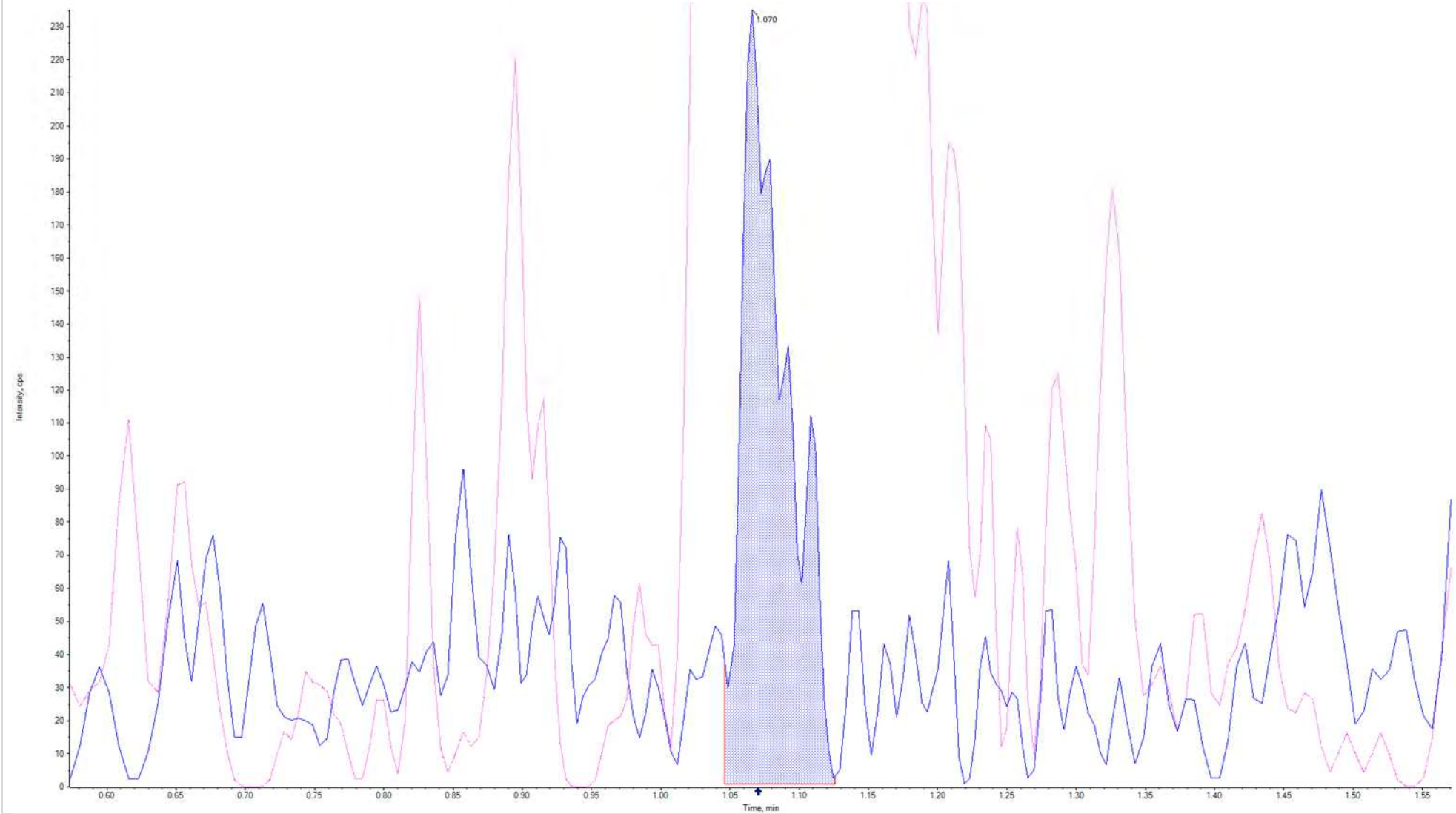

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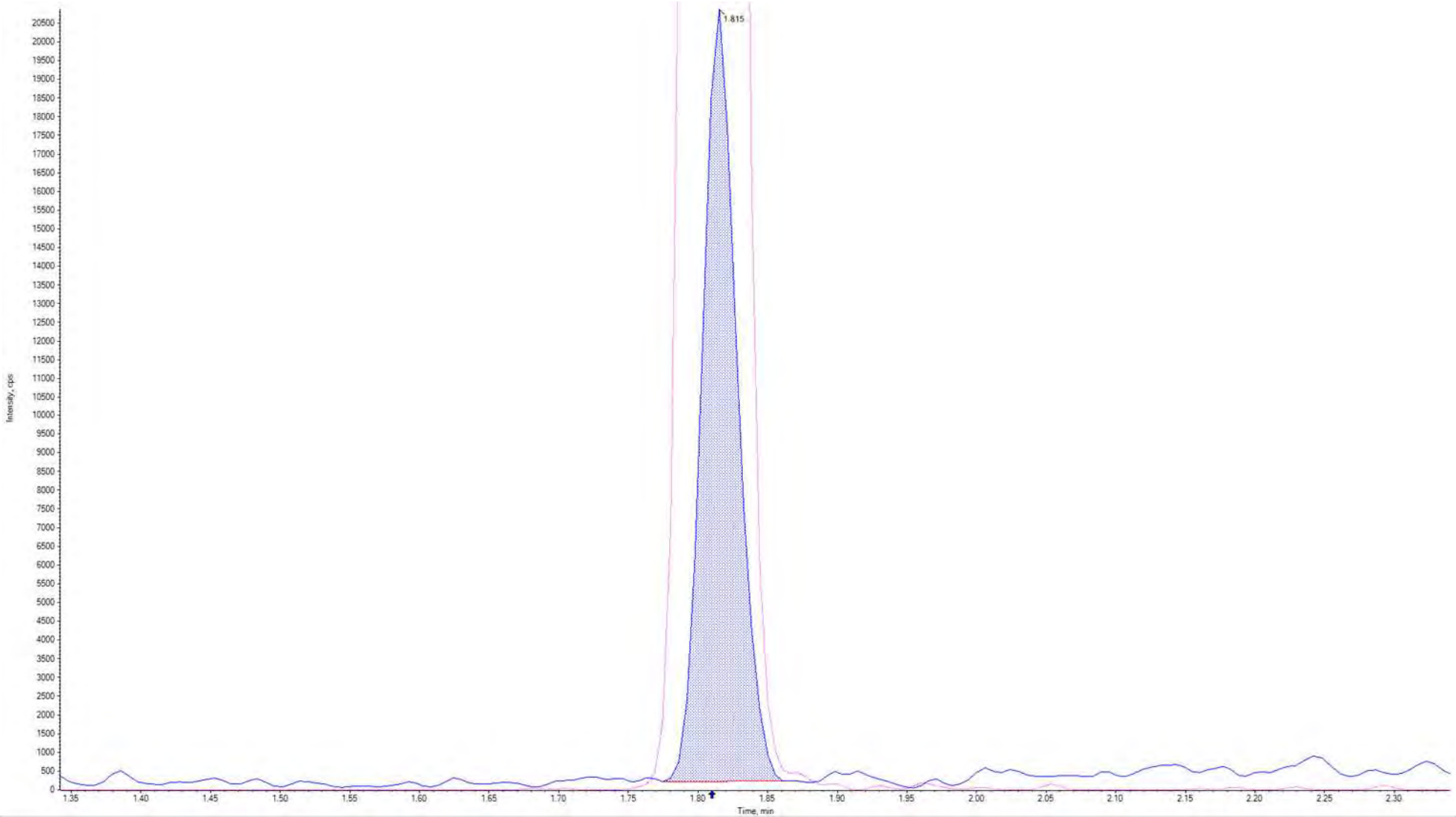
PFHxA
Sample: IA1633STD-.2 S/N:517.5 Points Across peak:16



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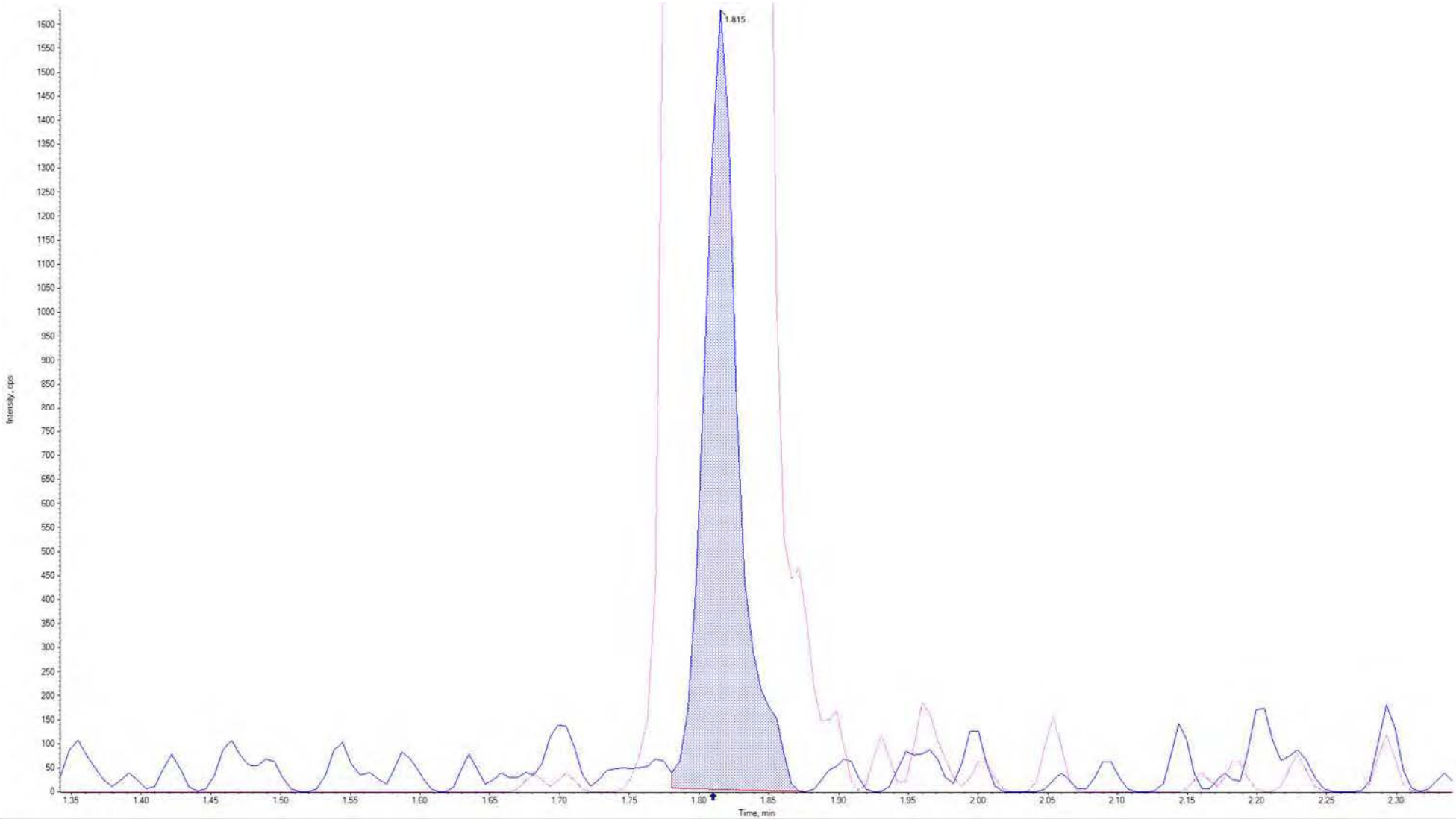
PFHxA_2
Sample: IA1633STD-.2 S/N:40.7 Points Across peak:18



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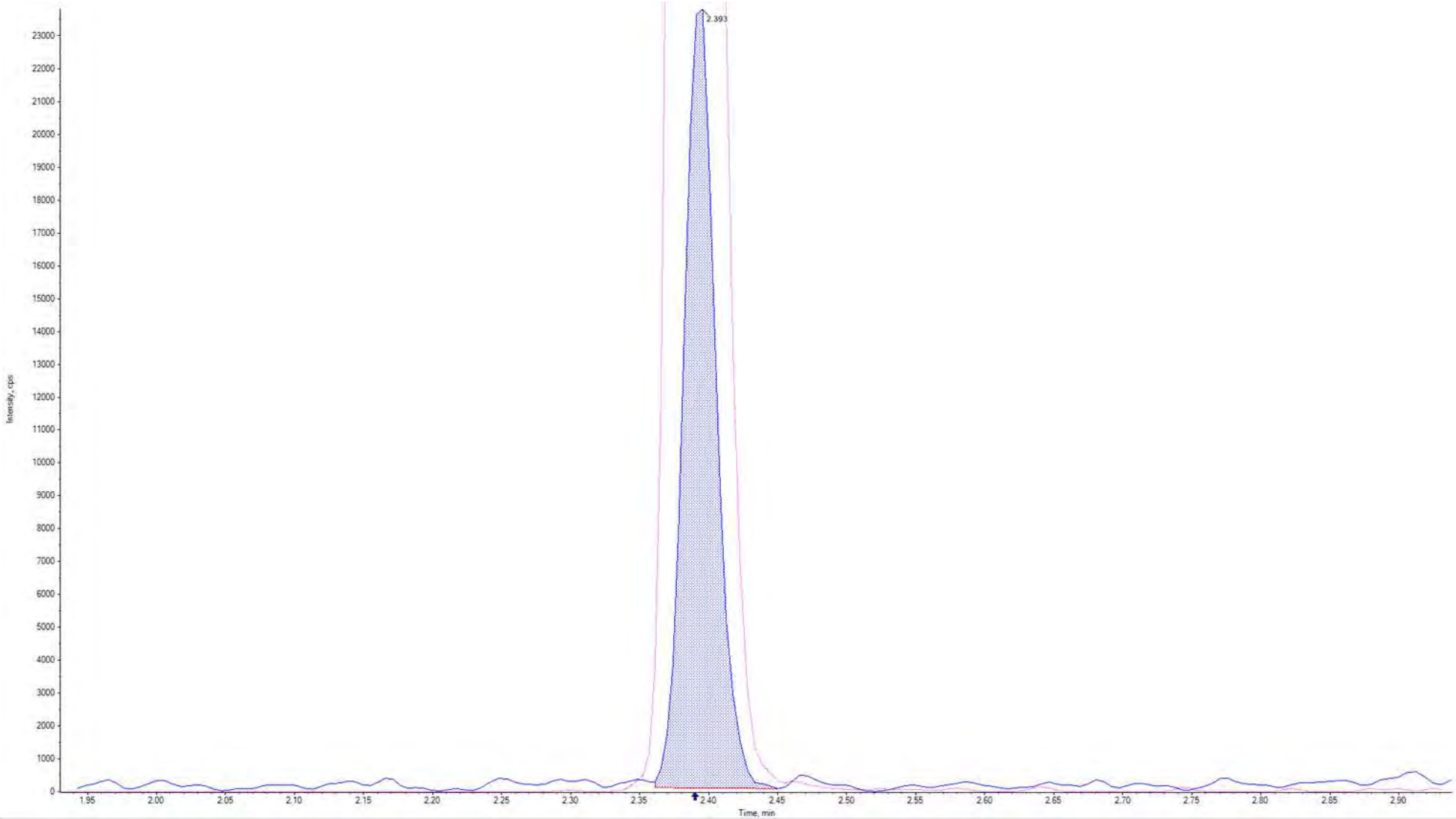
PFHpA
Sample: IA1633STD-.2 S/N:475.0 Points Across peak:20



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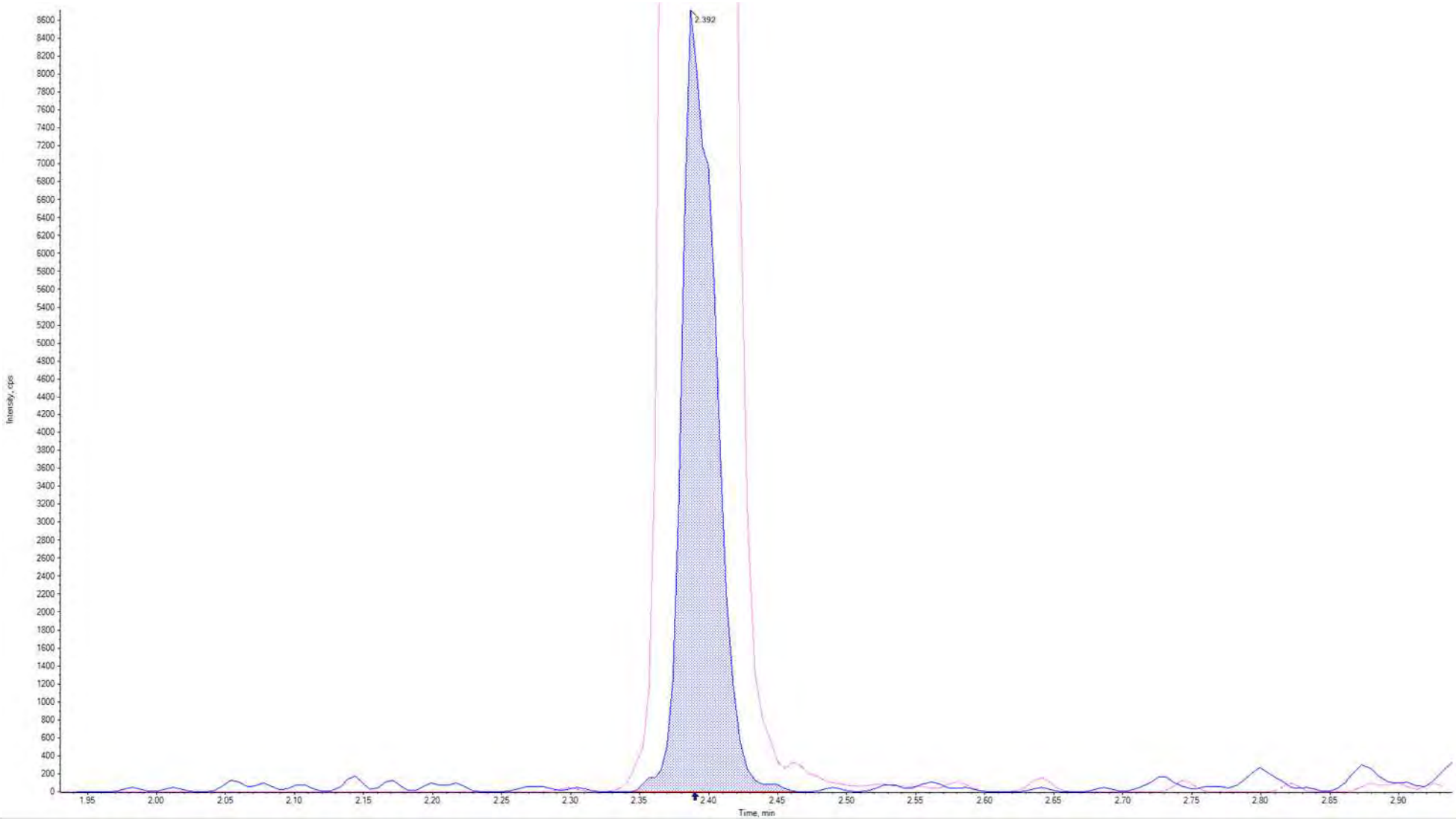
PFHpA_2
Sample: IA1633STD-.2 S/N:174.7 Points Across peak:30



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PFOA
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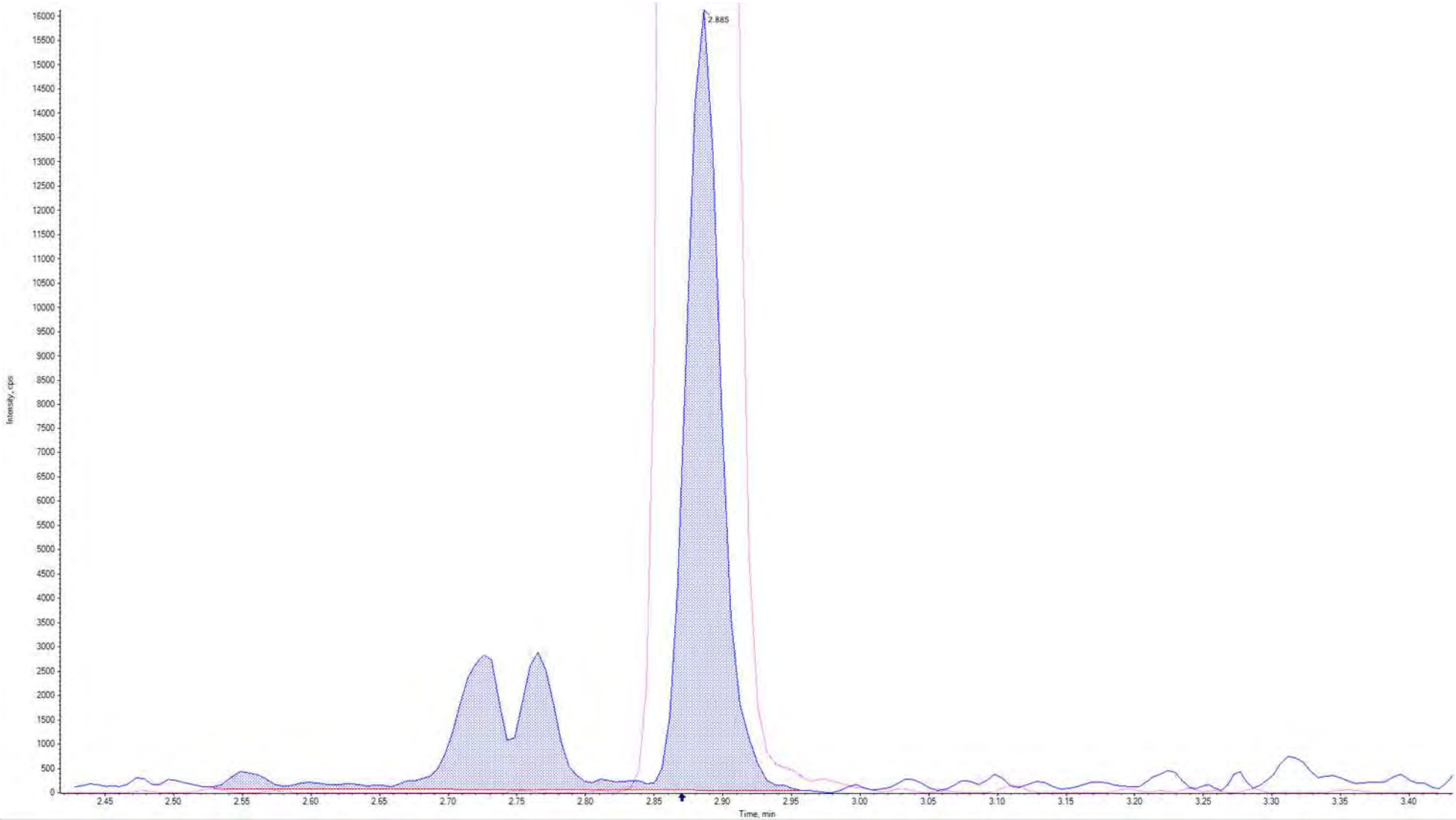

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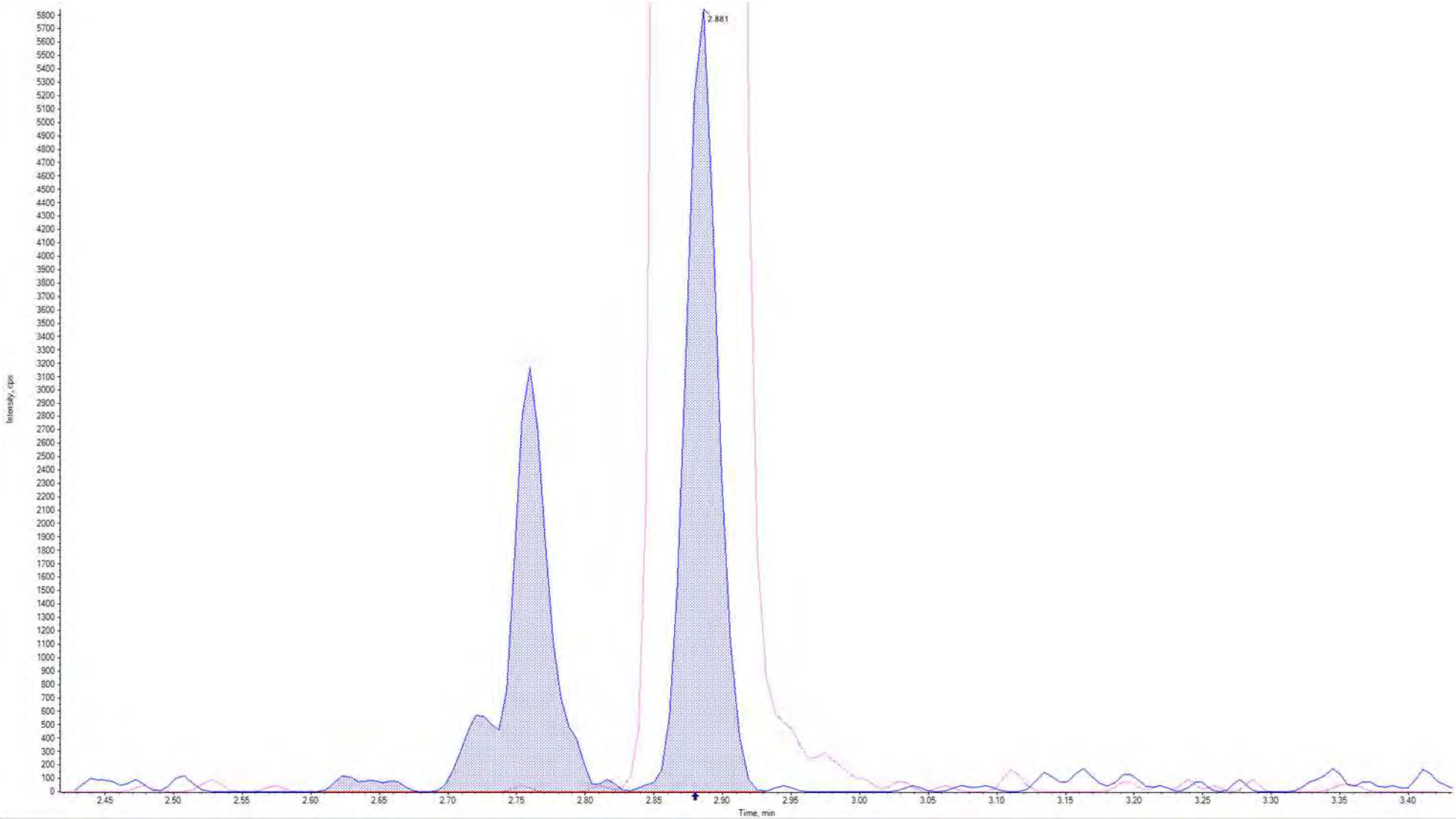
PFOA_2
Sample: IA1633STD-.2 S/N:131.9 Points Across peak:58



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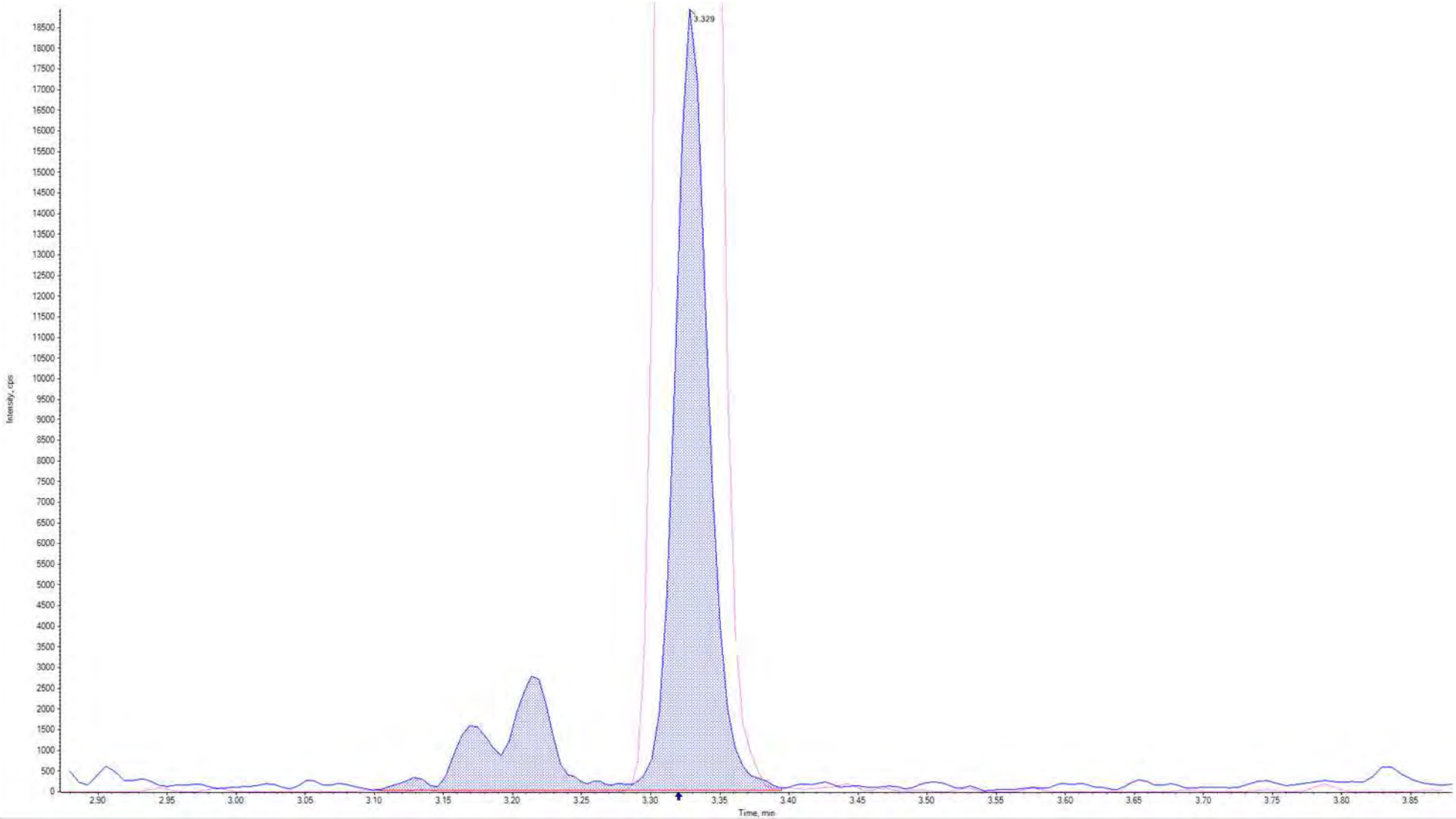
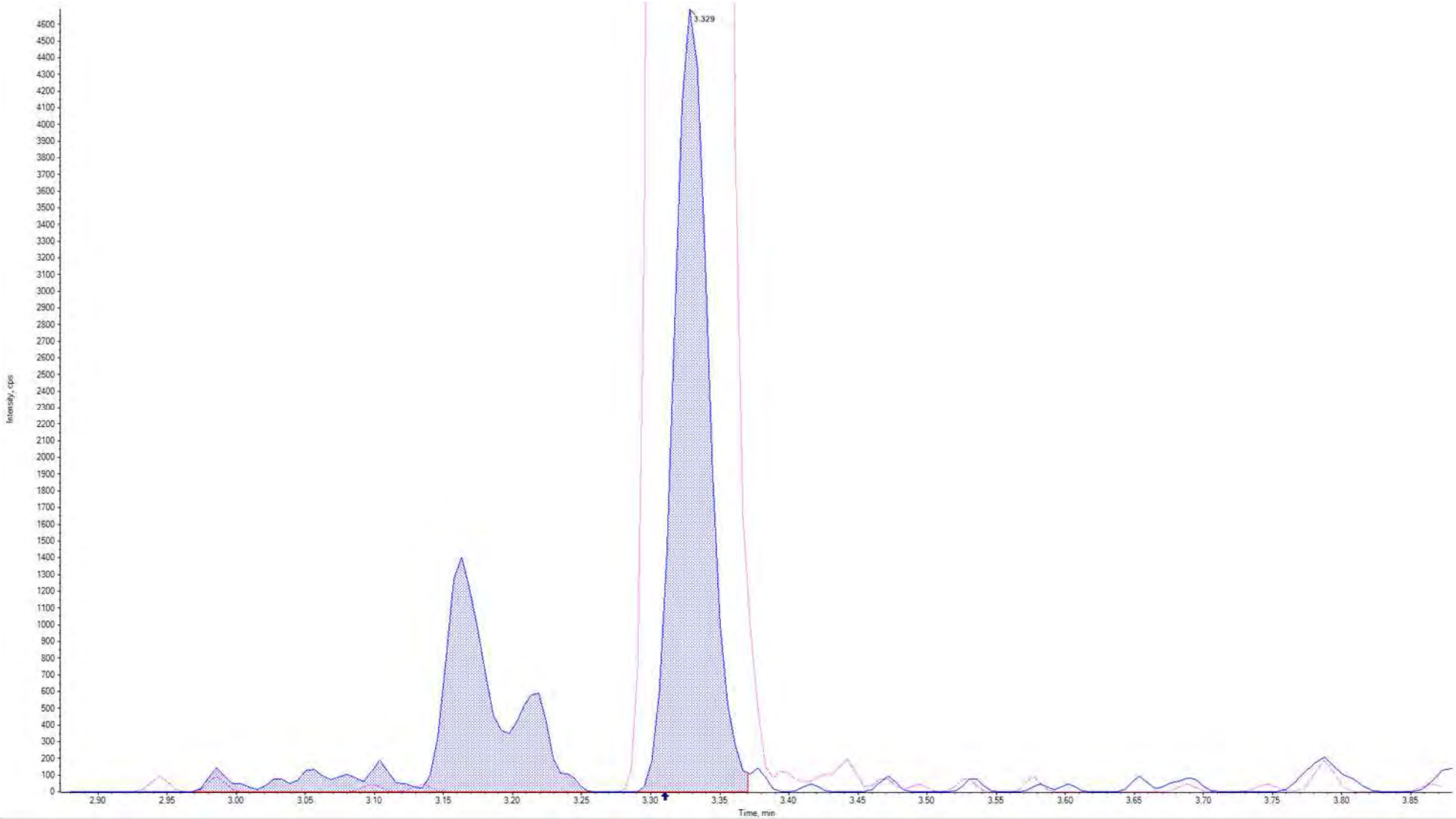
PFNA
Sample: IA1633STD-.2 S/N:221.2 Points Across peak:57



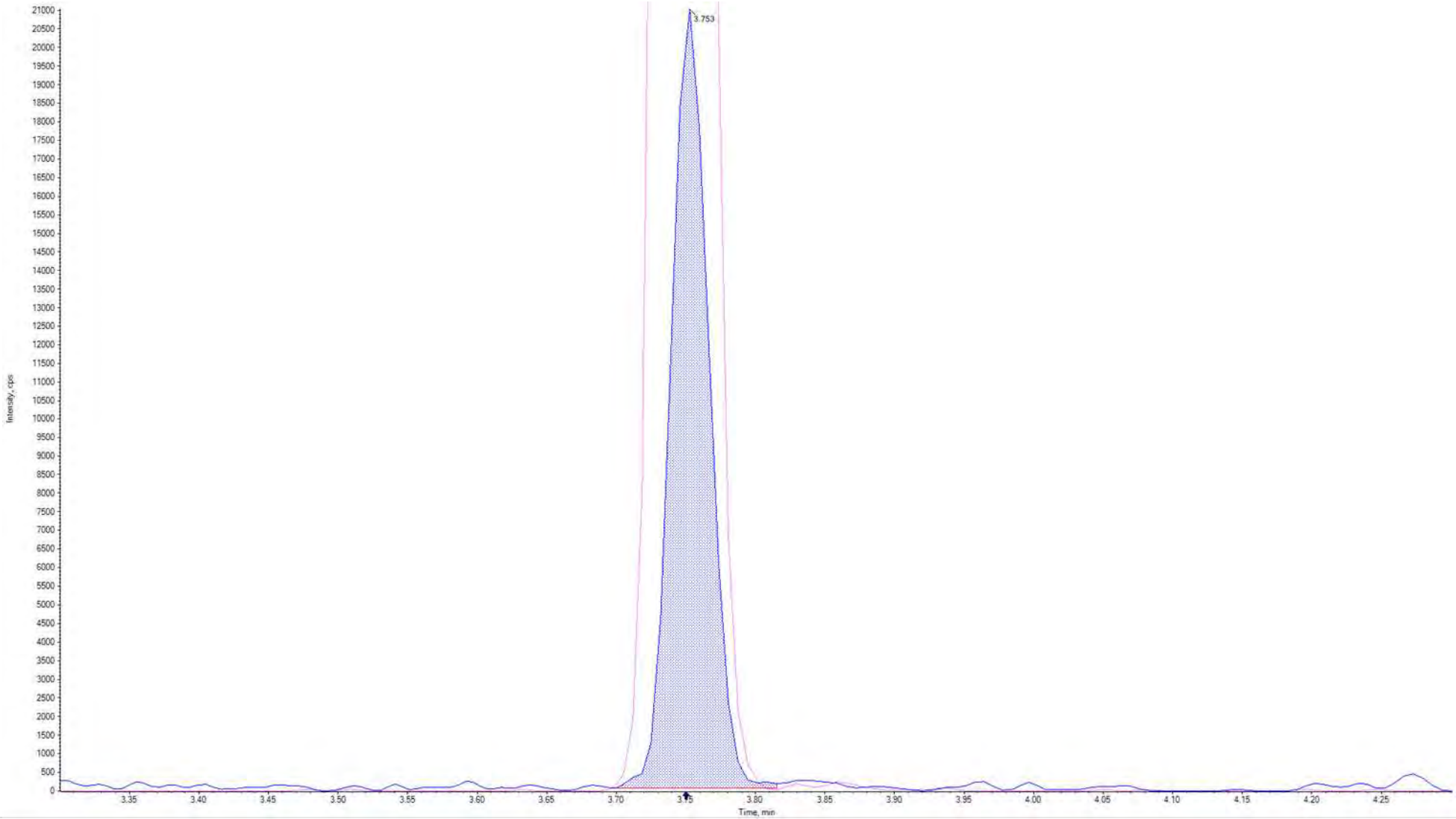
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_17.wiff2_2
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFNA_2
Sample: IA1633STD-.2 S/N:105.8 Points Across peak:74



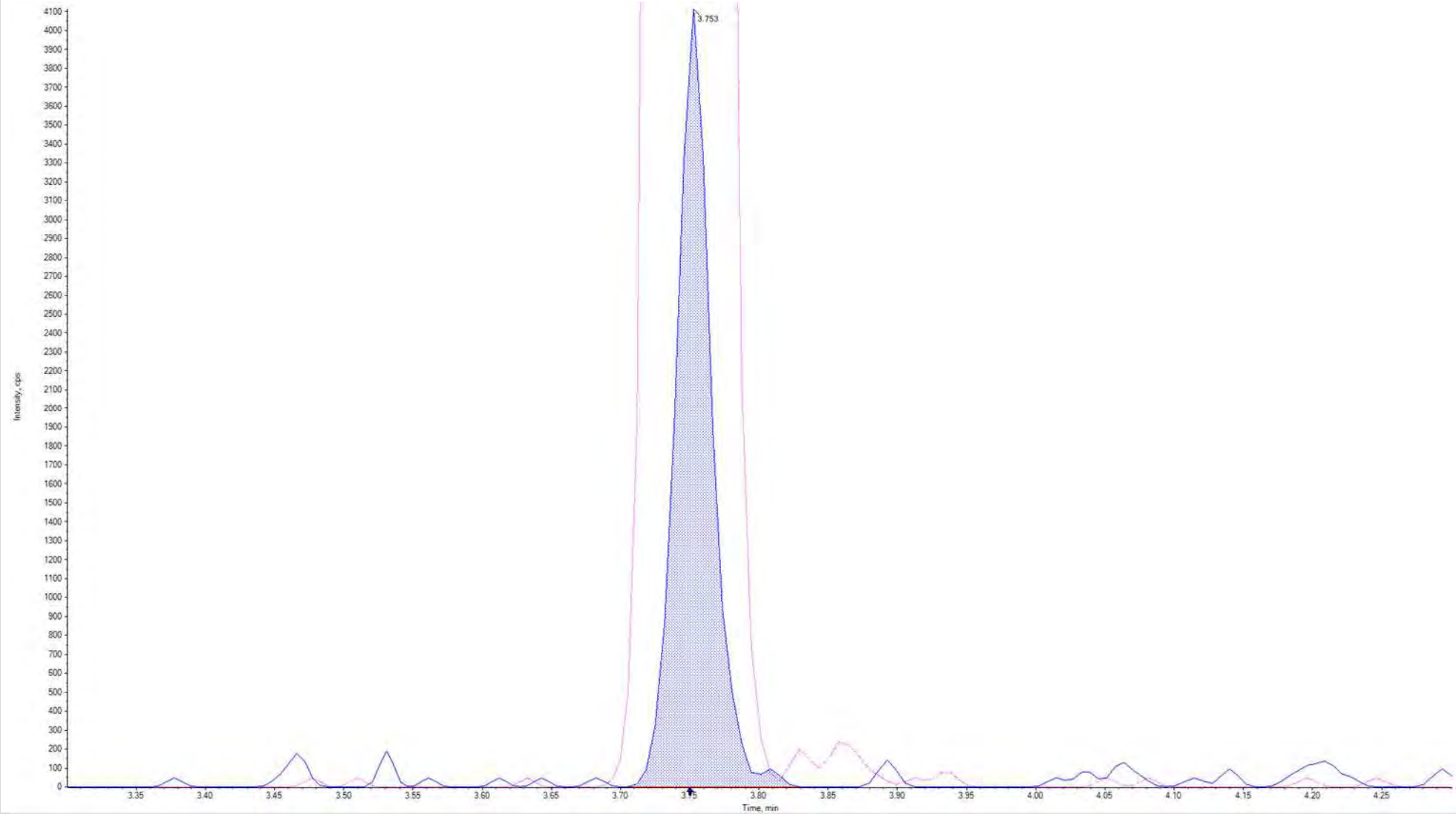
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_17.wiff2_2
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFDA
Sample: IA1633STD-.2 S/N:420.2 Points Across peak:18



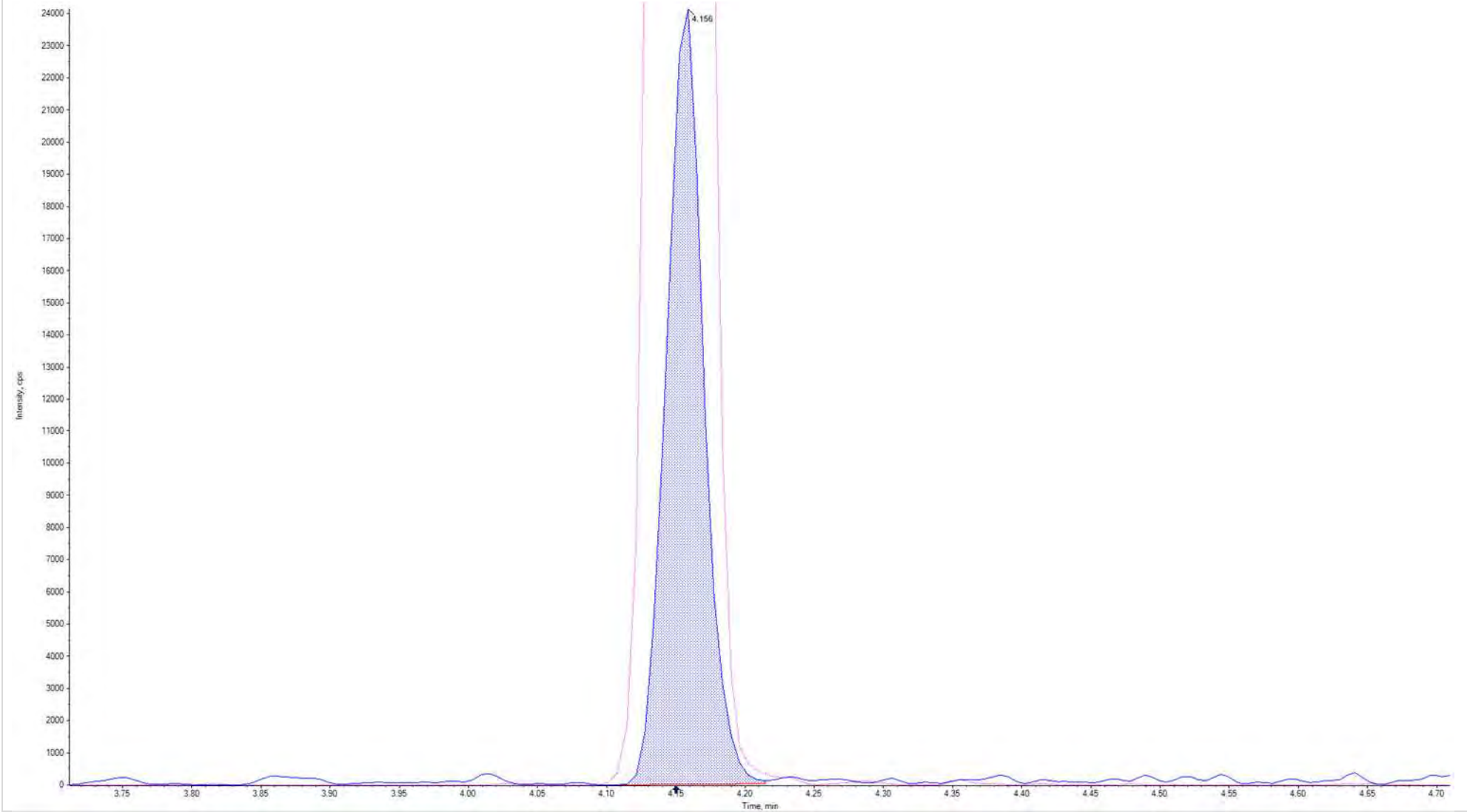
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_17.wiff2_2
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFDA_2
Sample: IA1633STD-.2 S/N:82.5 Points Across peak:22



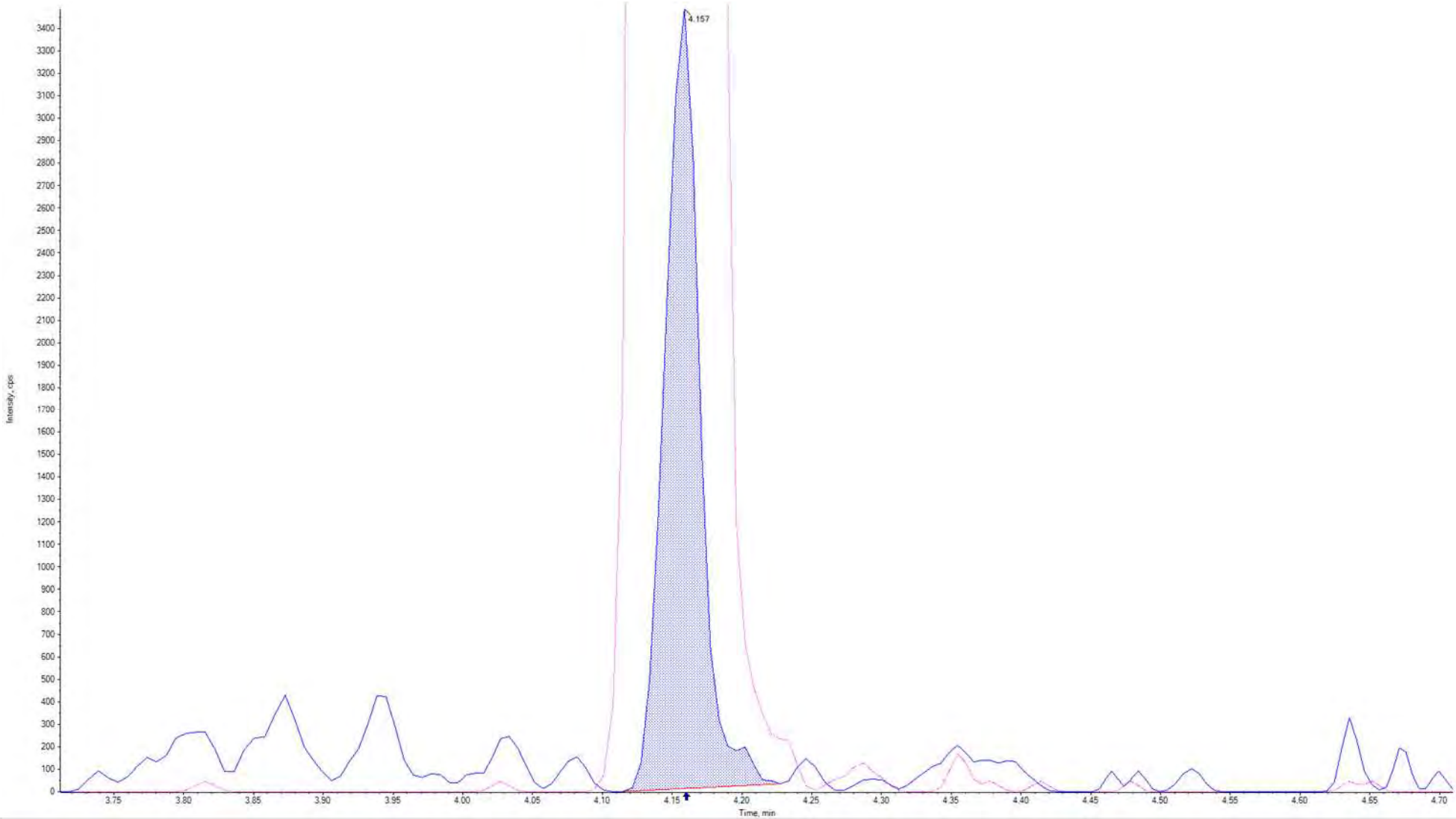
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_17.wiff2_2
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFUnA
Sample: IA1633STD-.2 S/N:544.1 Points Across peak:18



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_17.wiff2_2
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFUnA_2
Sample: IA1633STD-.2 S/N:78.3 Points Across peak:19



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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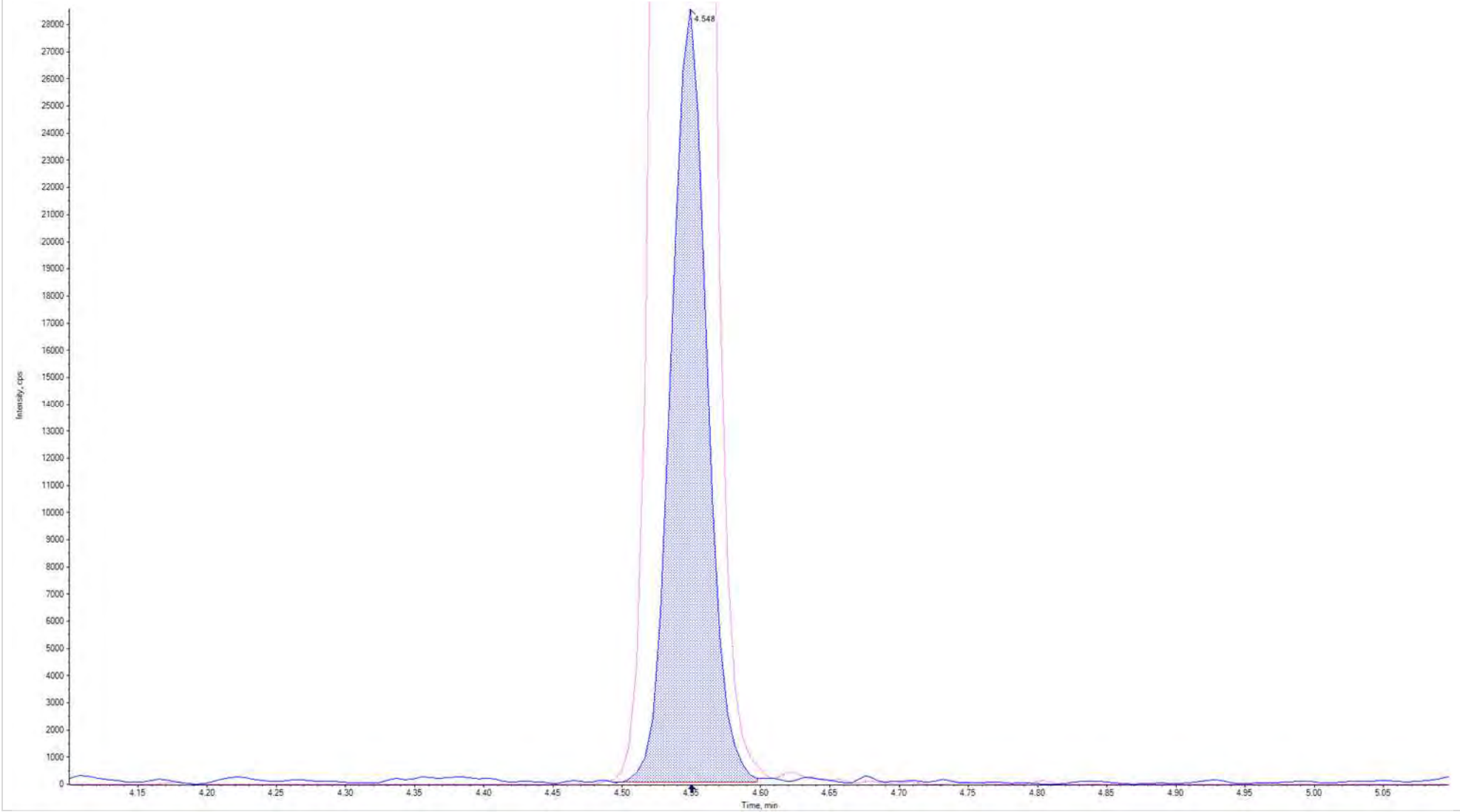
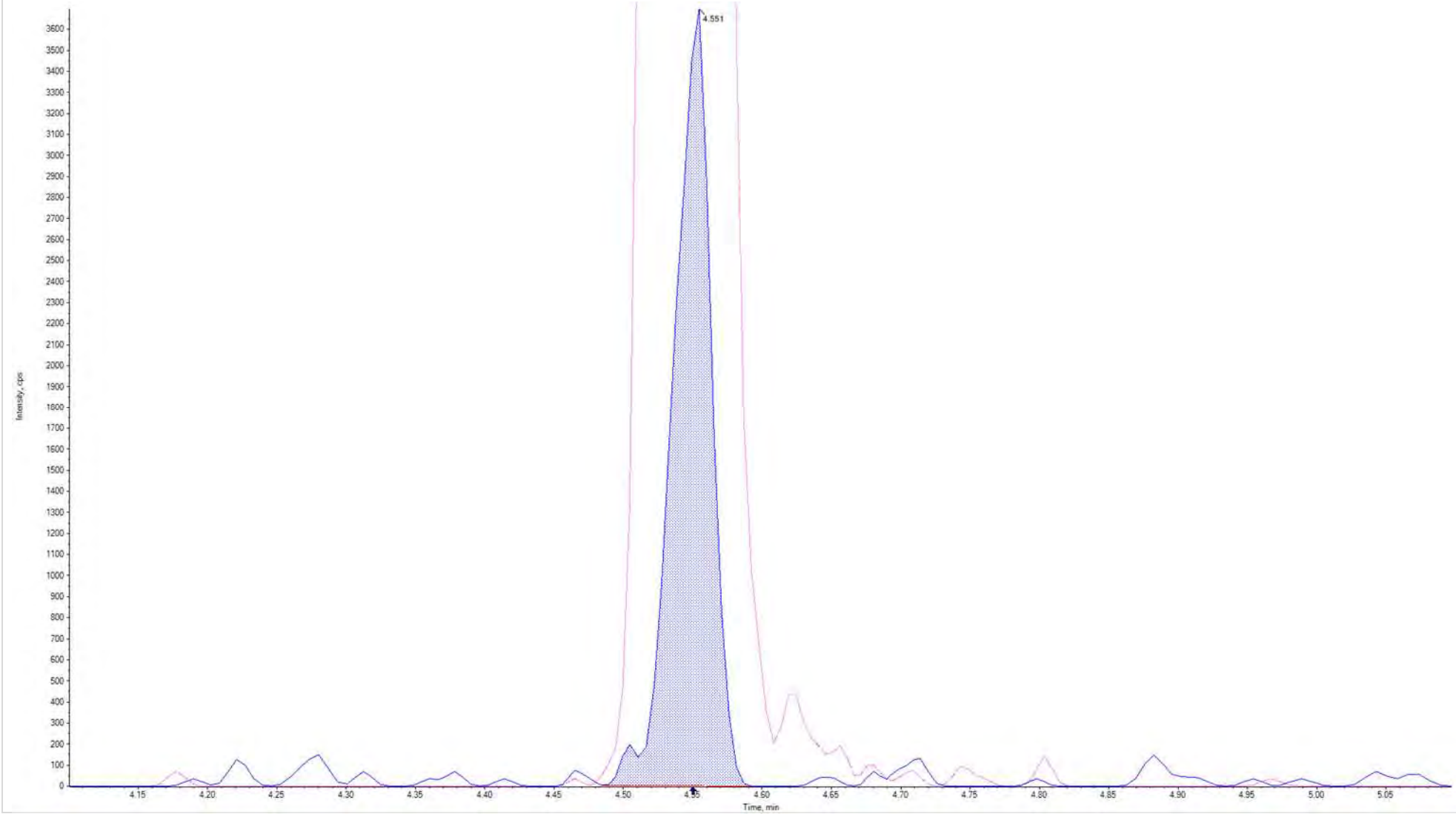
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFDoA
Sample: IA1633STD-.2 S/N:785.7 Points Across peak:20



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_17.wiff2_2
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFDoA_2
Sample: IA1633STD-.2 S/N:101.9 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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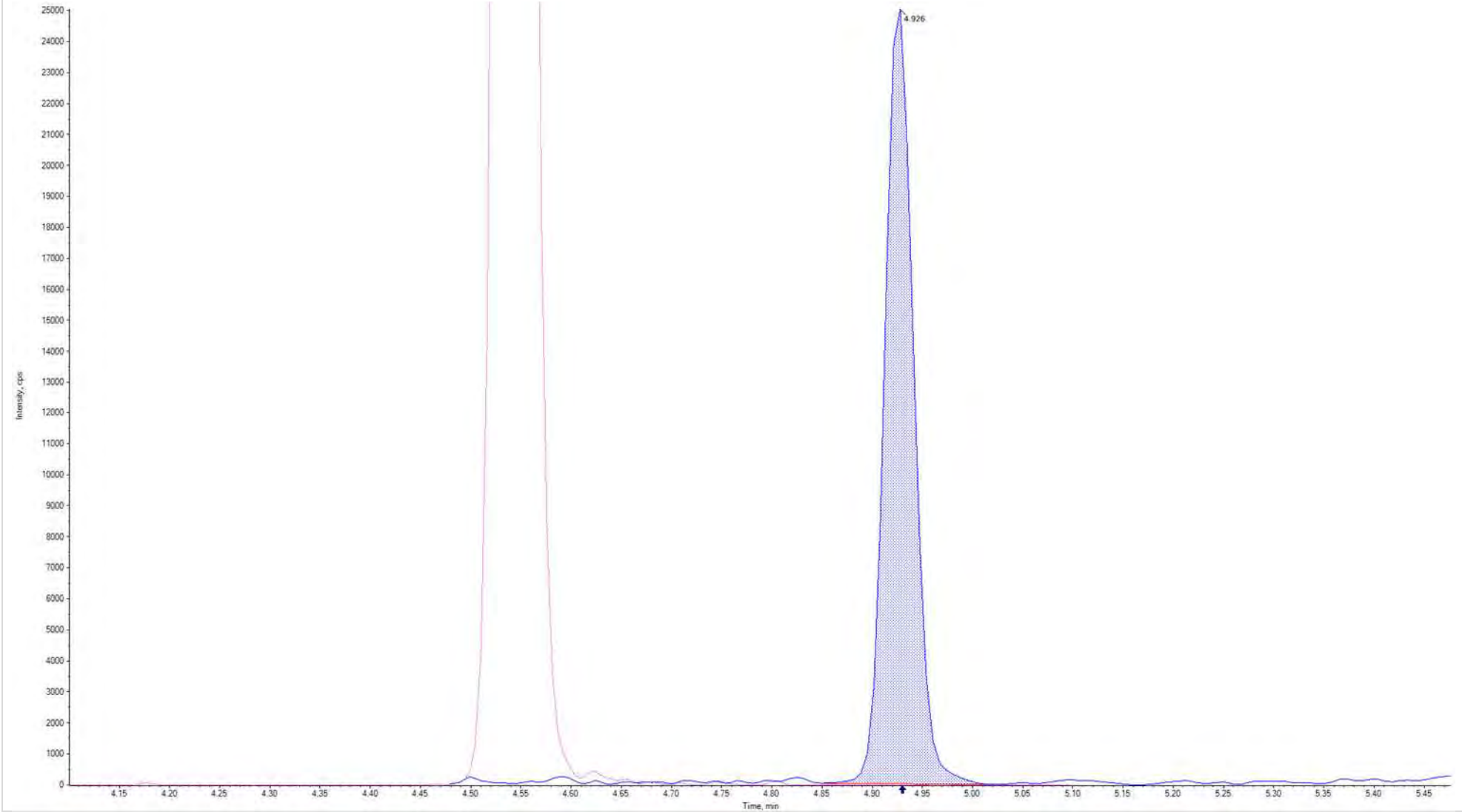
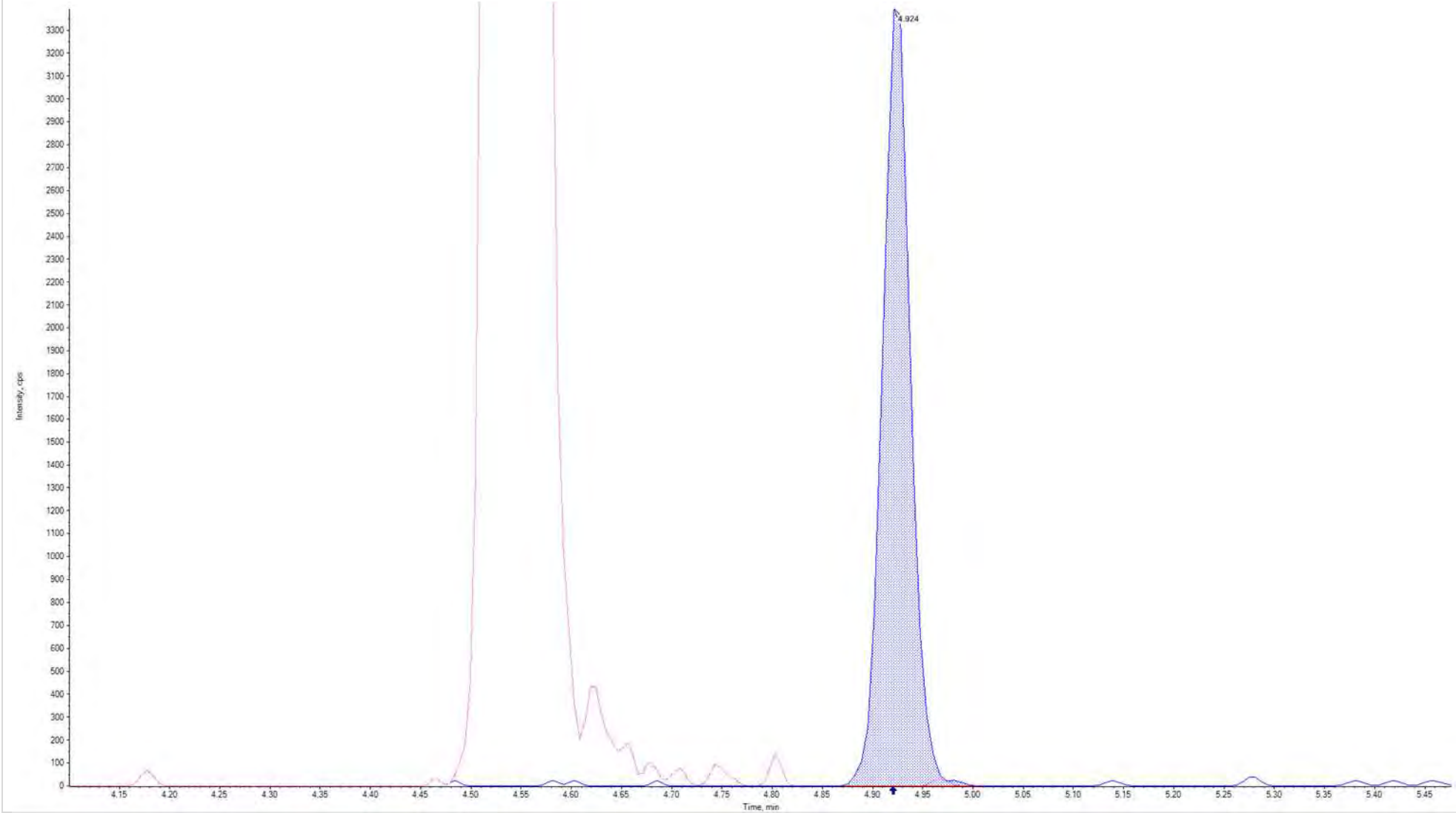
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFTrDA
Sample: IA1633STD-.2 S/N:1003.1 Points Across peak:26



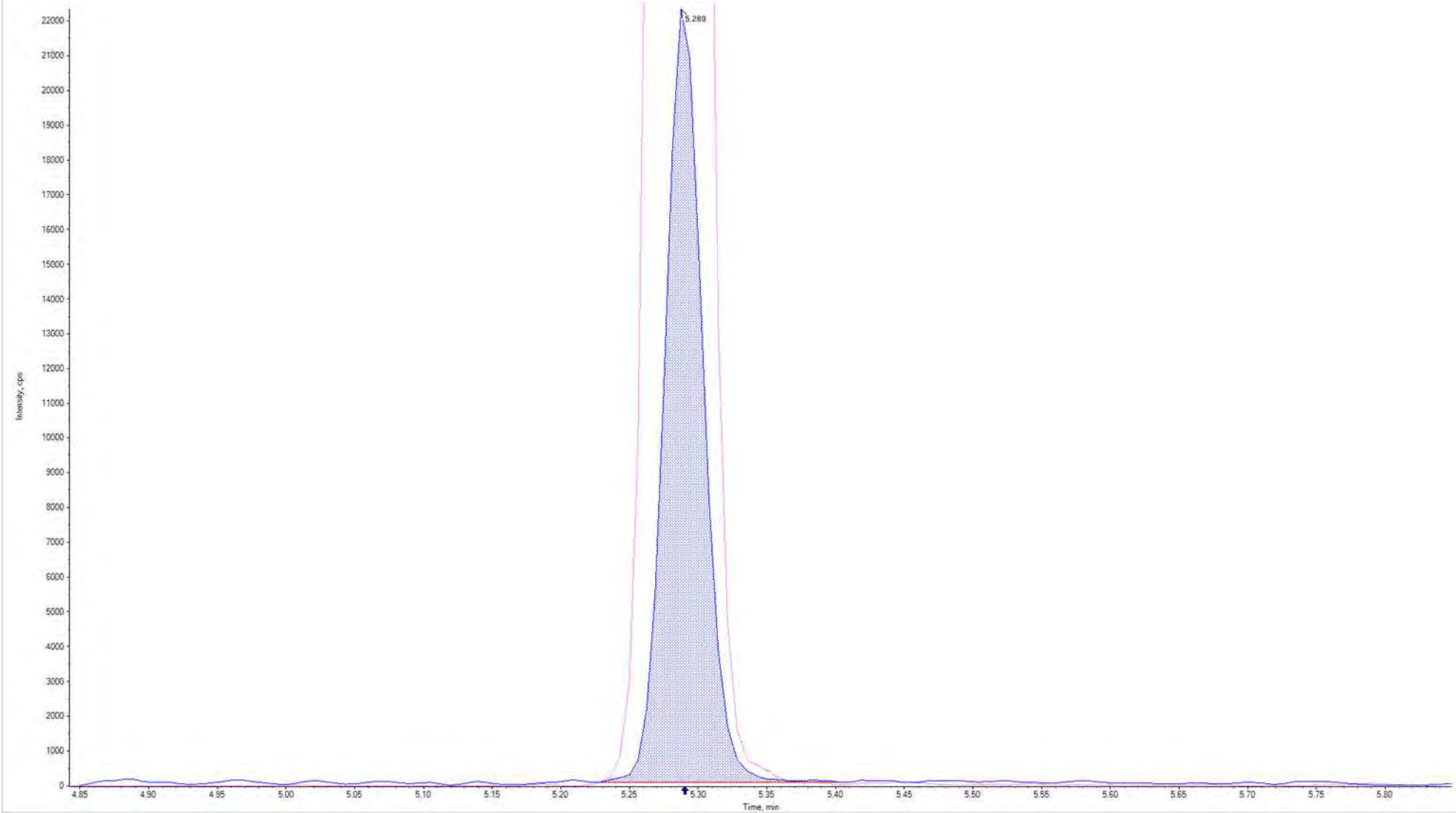
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_17.wiff2_2
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFTrDA_2
Sample: IA1633STD-.2 S/N:136.1 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_17.wiff2_2
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFTeDA
Sample: IA1633STD-.2 S/N:1043.0 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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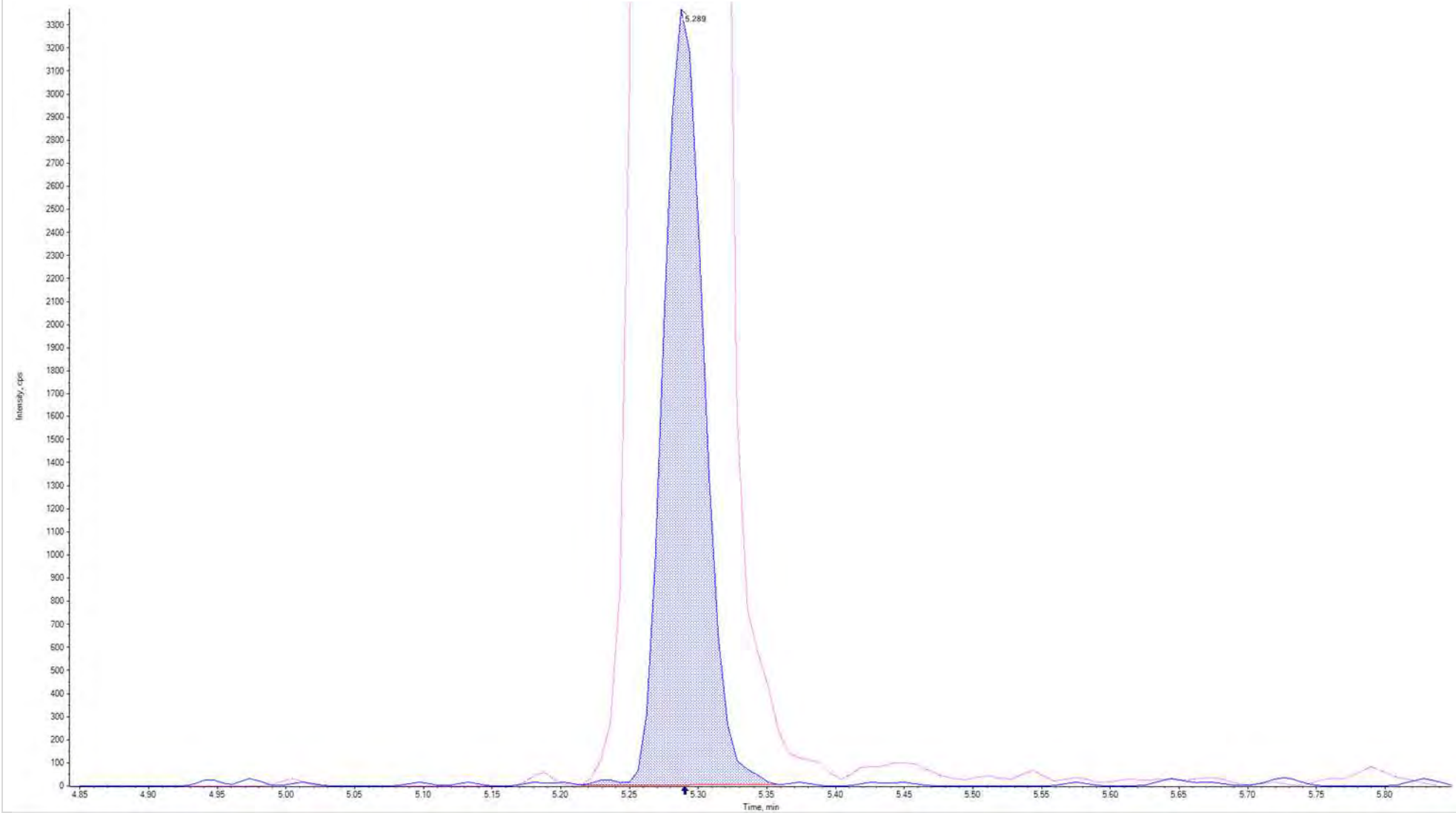
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFTeDA_2
Sample: IA1633STD-.2 S/N:210.8 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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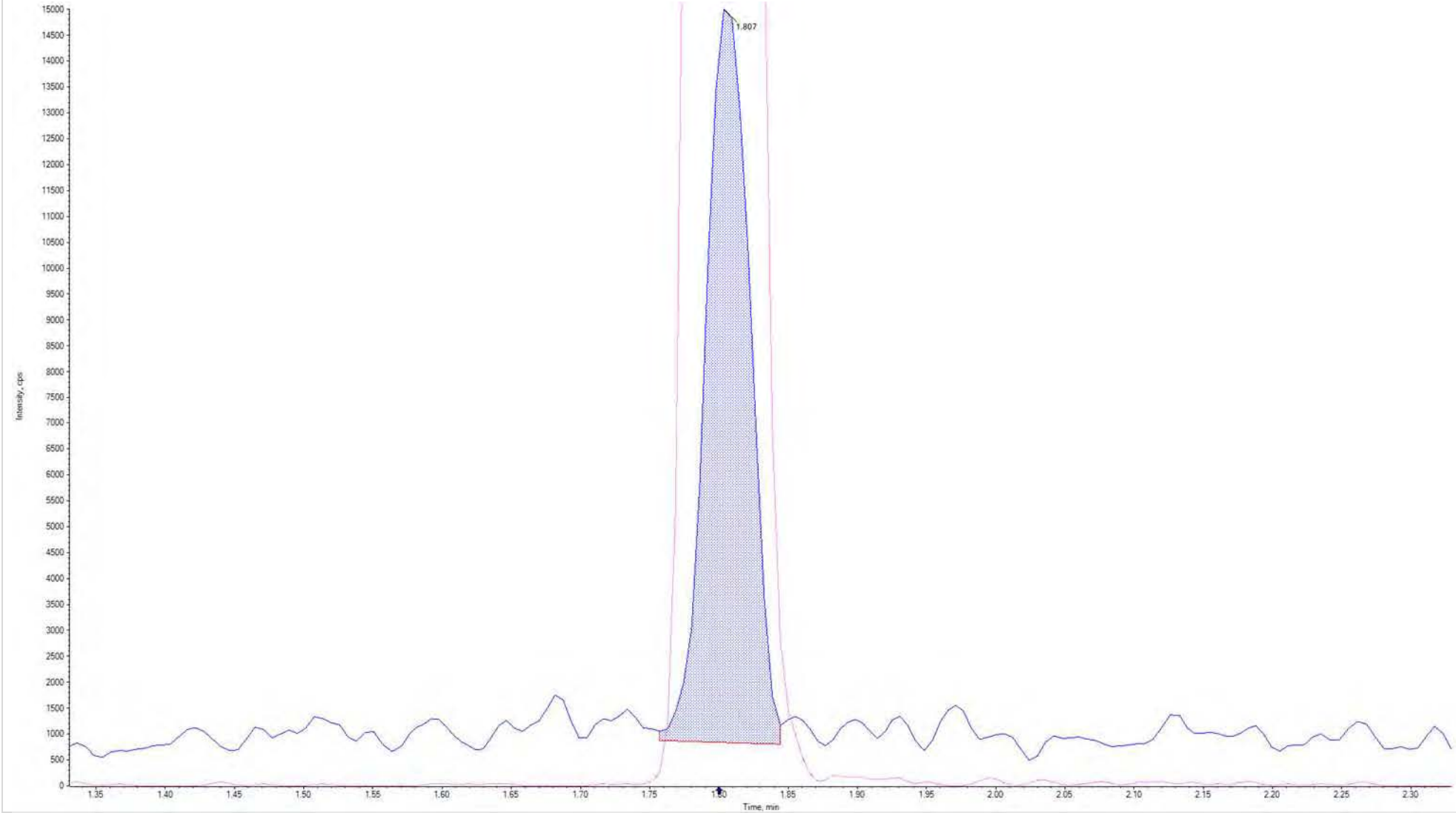
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFBS
Sample: IA1633STD-.2 S/N:142.1 Points Across peak:16



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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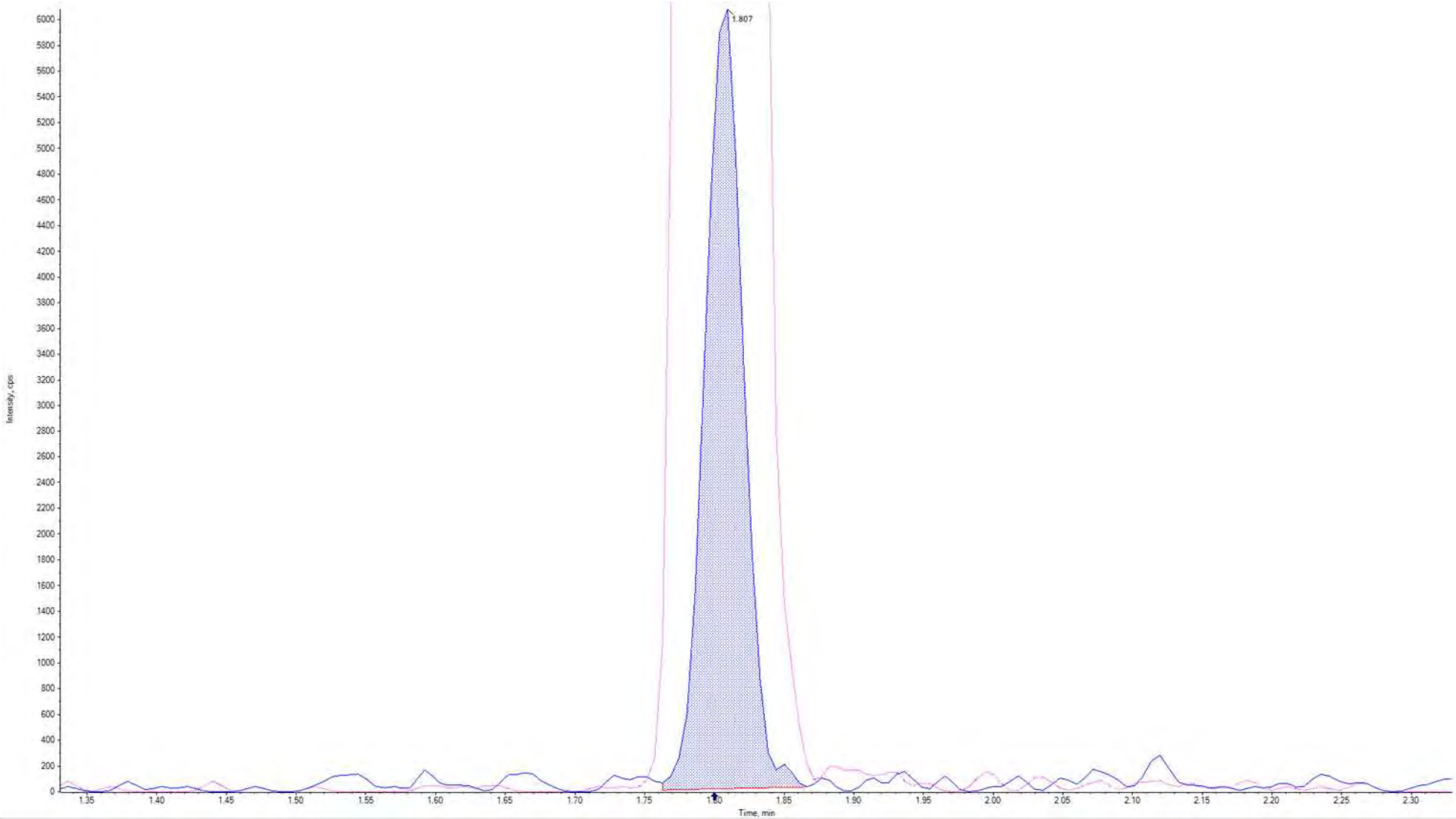
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFBS_2
Sample: IA1633STD-.2 S/N:151.8 Points Across peak:19



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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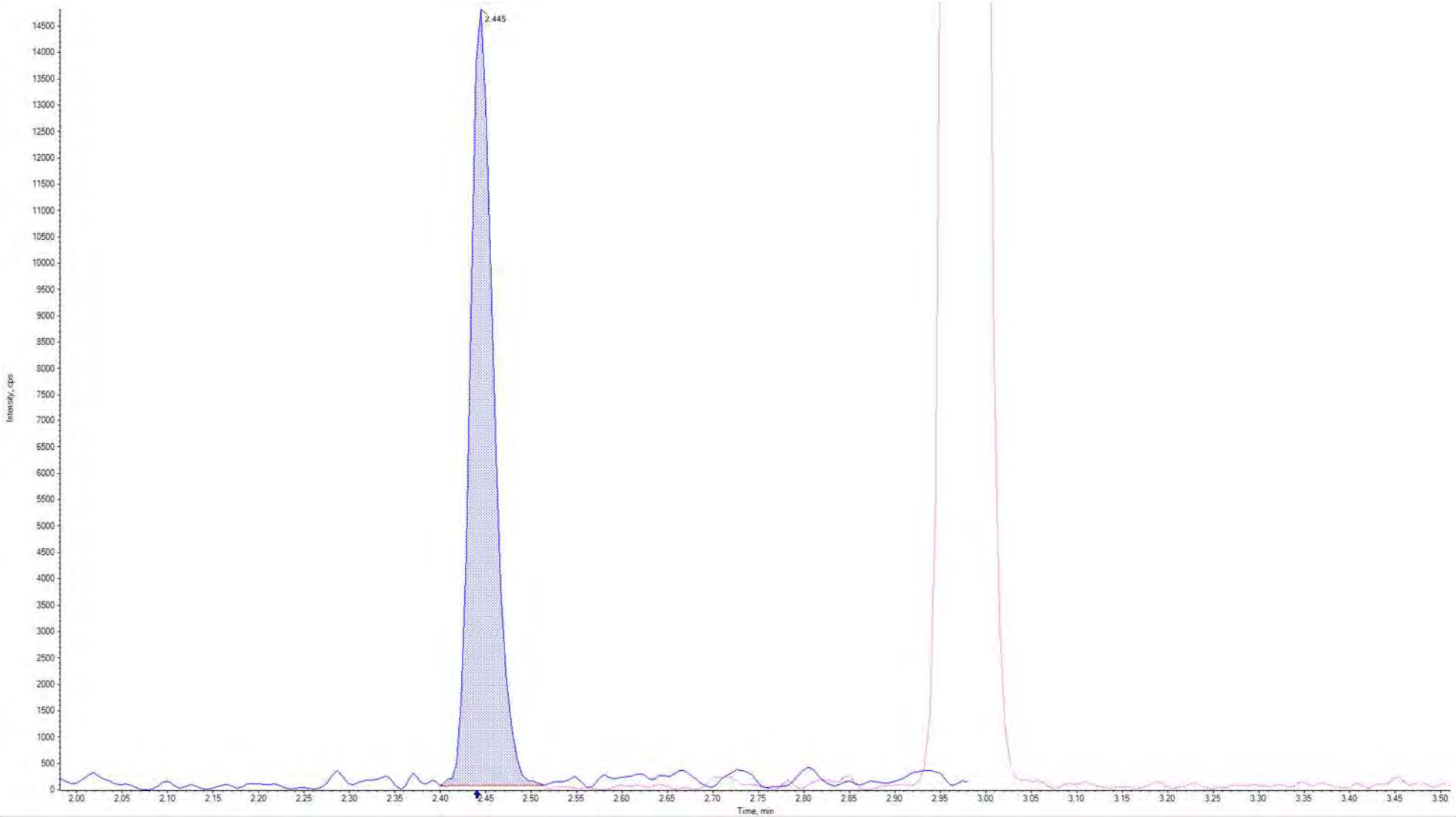
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFPeS
Sample: IA1633STD-.2 S/N:295.6 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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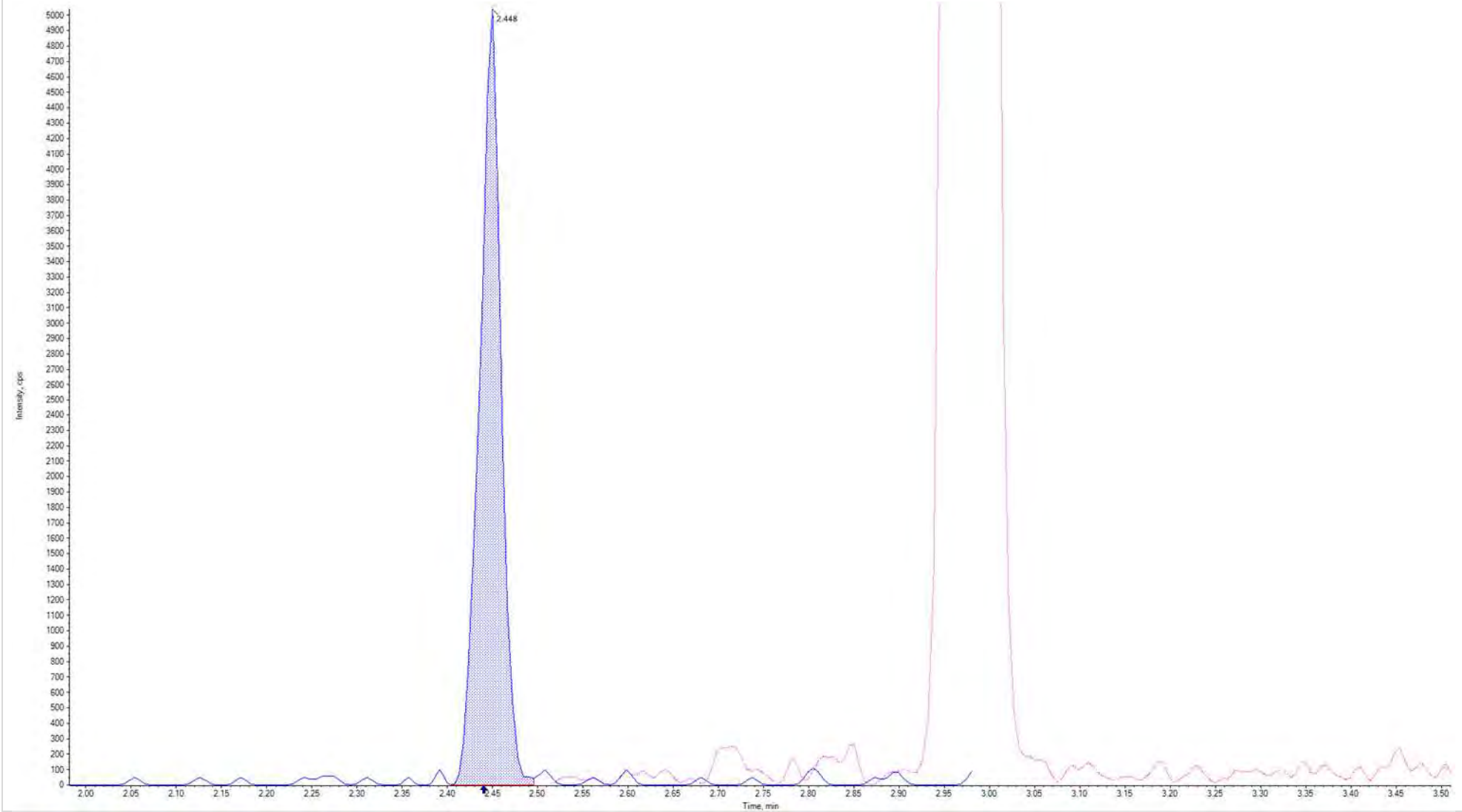
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFPeS_2
Sample: IA1633STD-.2 S/N:101.0 Points Across peak:18



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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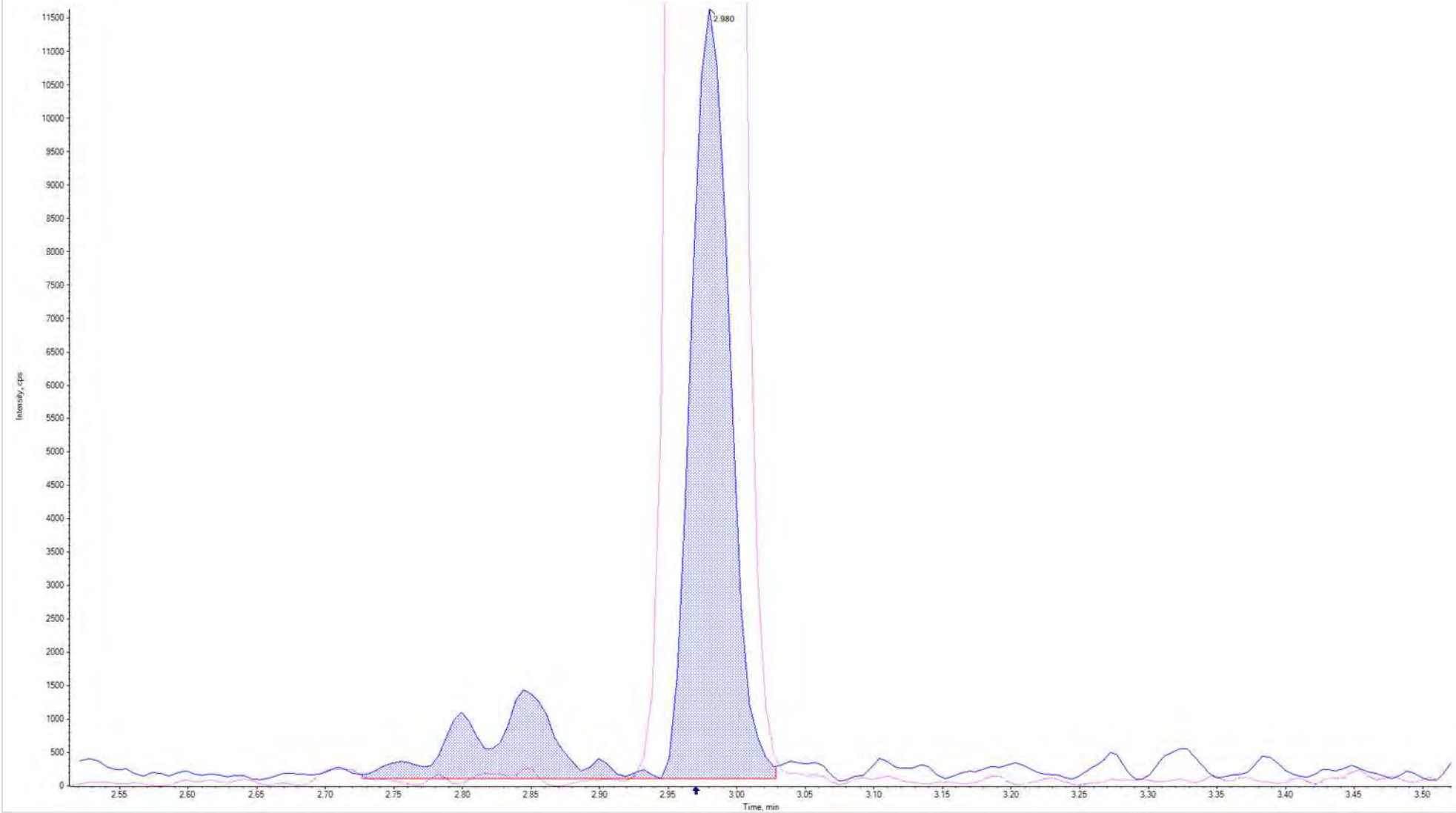
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFHxS
Sample: IA1633STD-.2 S/N:148.3 Points Across peak:53



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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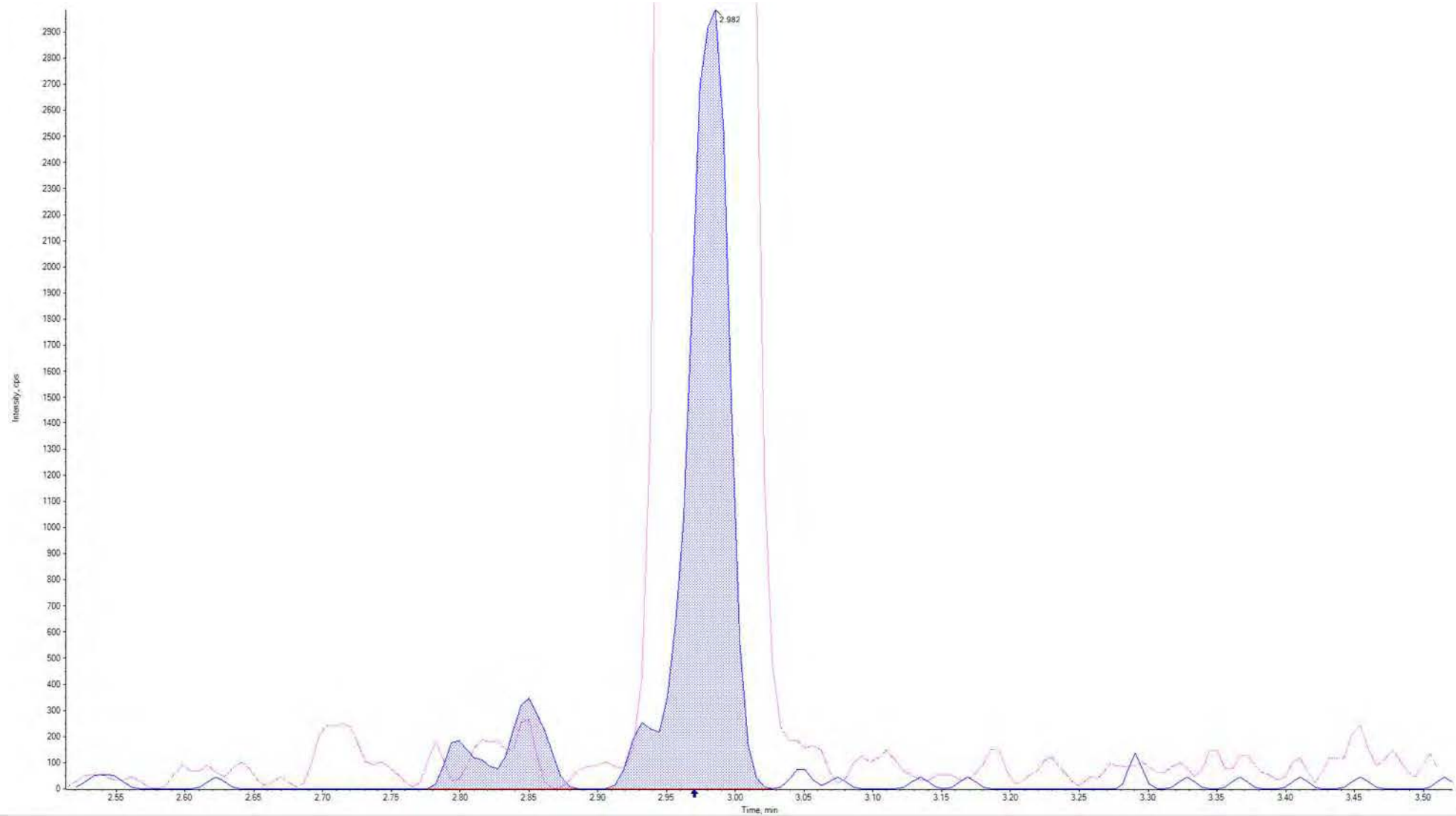
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFHxS_2
Sample: IA1633STD-.2 S/N:67.3 Points Across peak:44



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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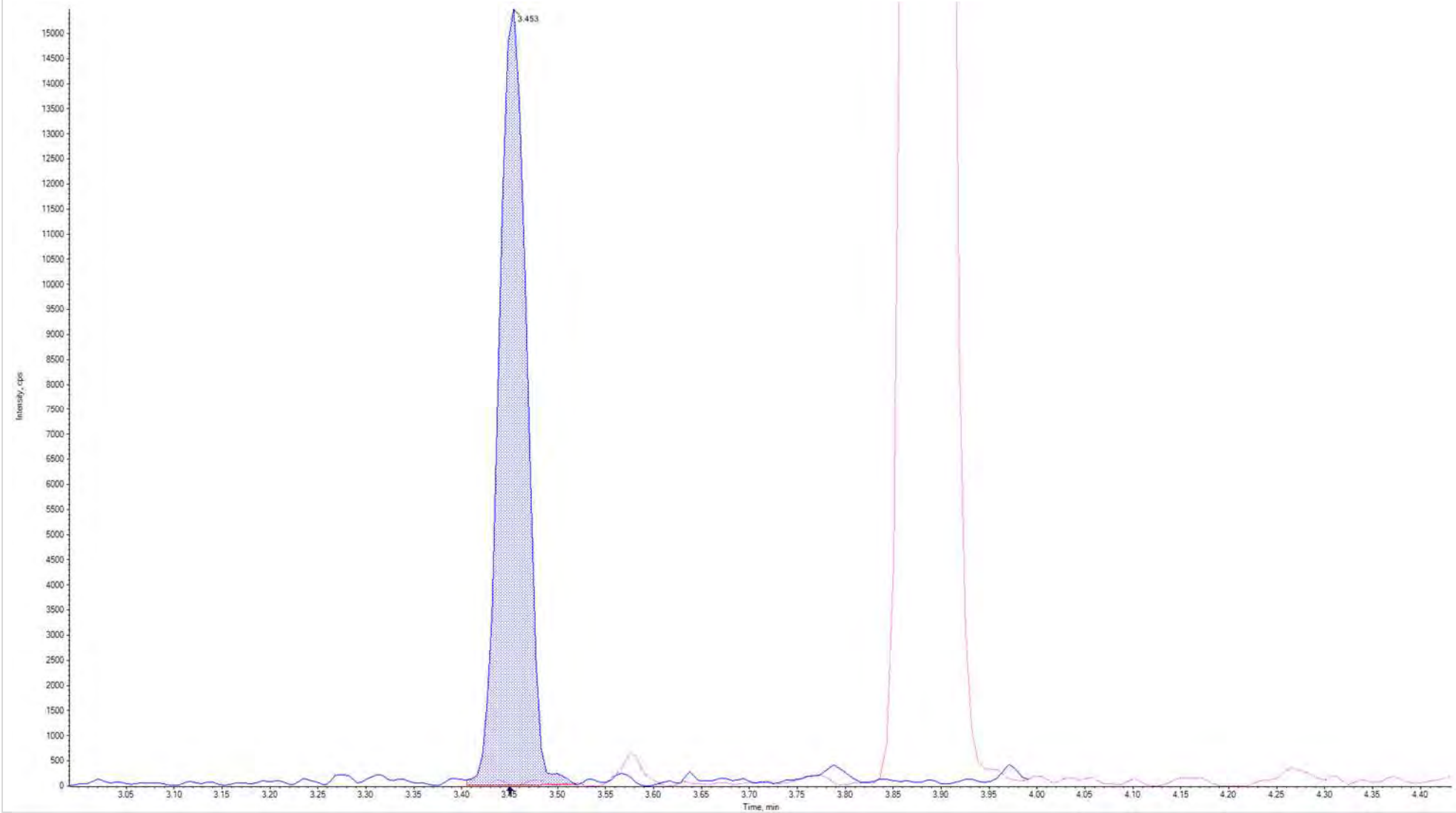
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFHpS
Sample: IA1633STD-.2 S/N:310.2 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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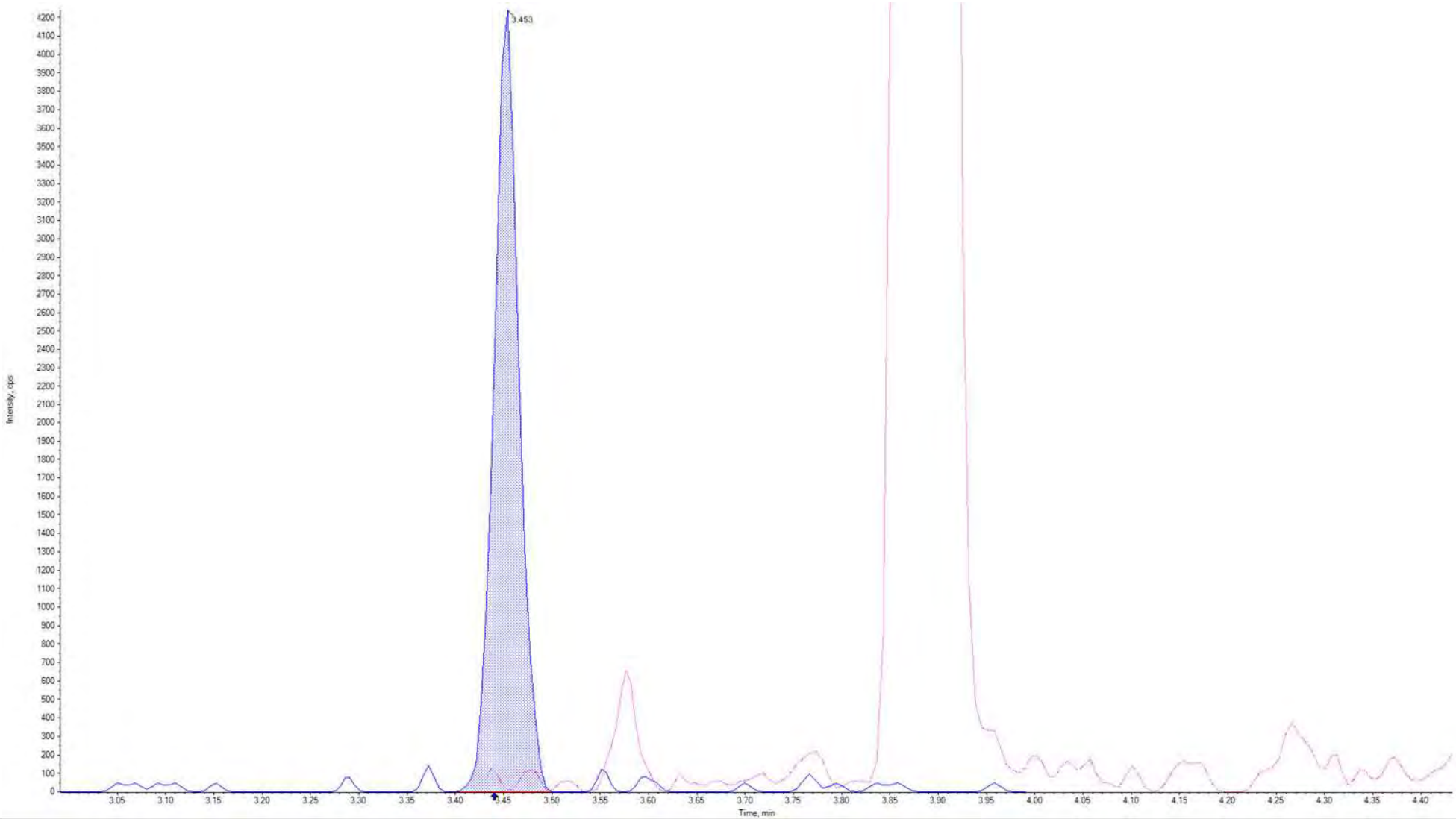
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFHpS_2
Sample: IA1633STD-.2 S/N:85.1 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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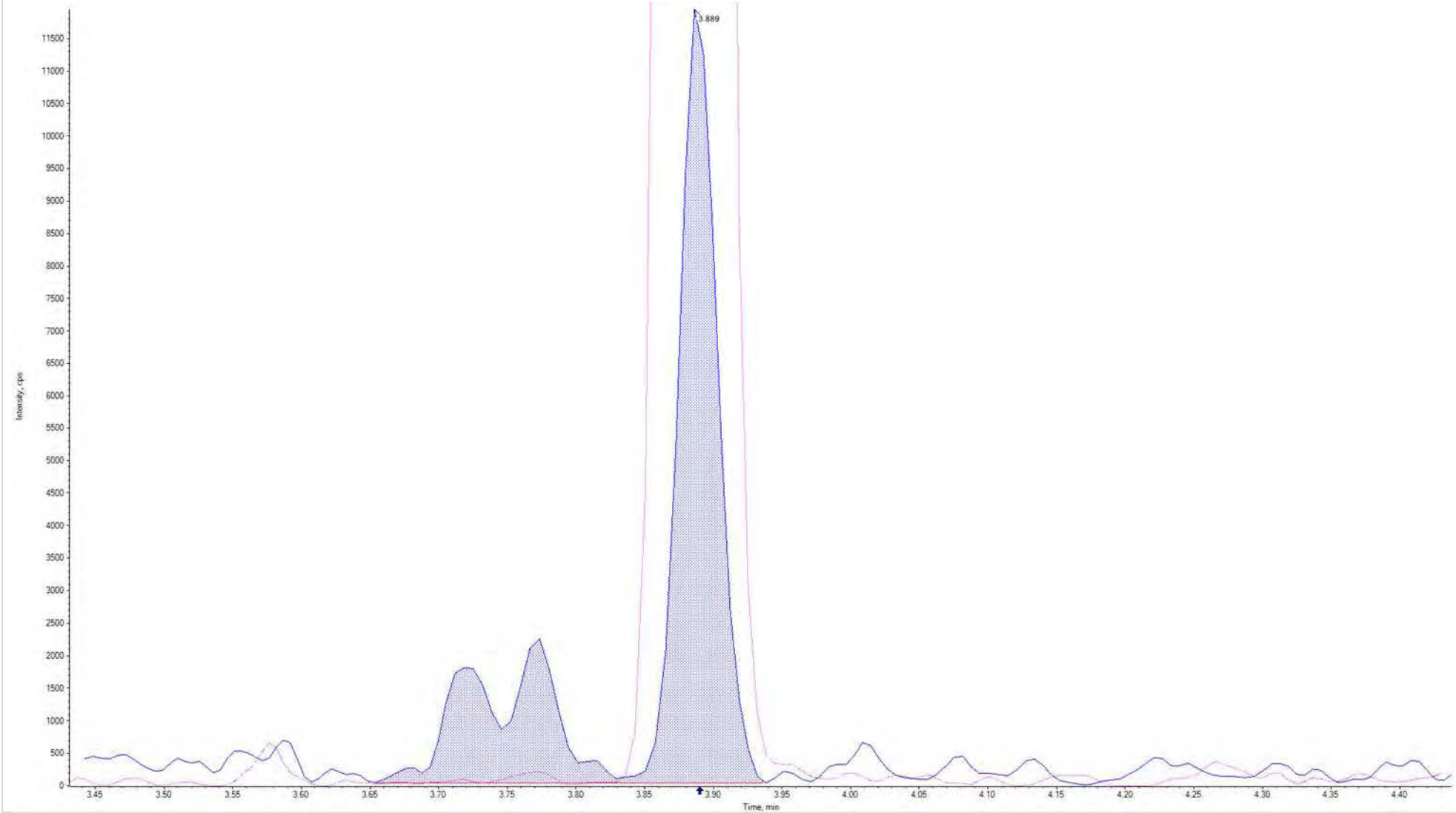
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFOS
Sample: IA1633STD-.2 S/N:103.9 Points Across peak:44



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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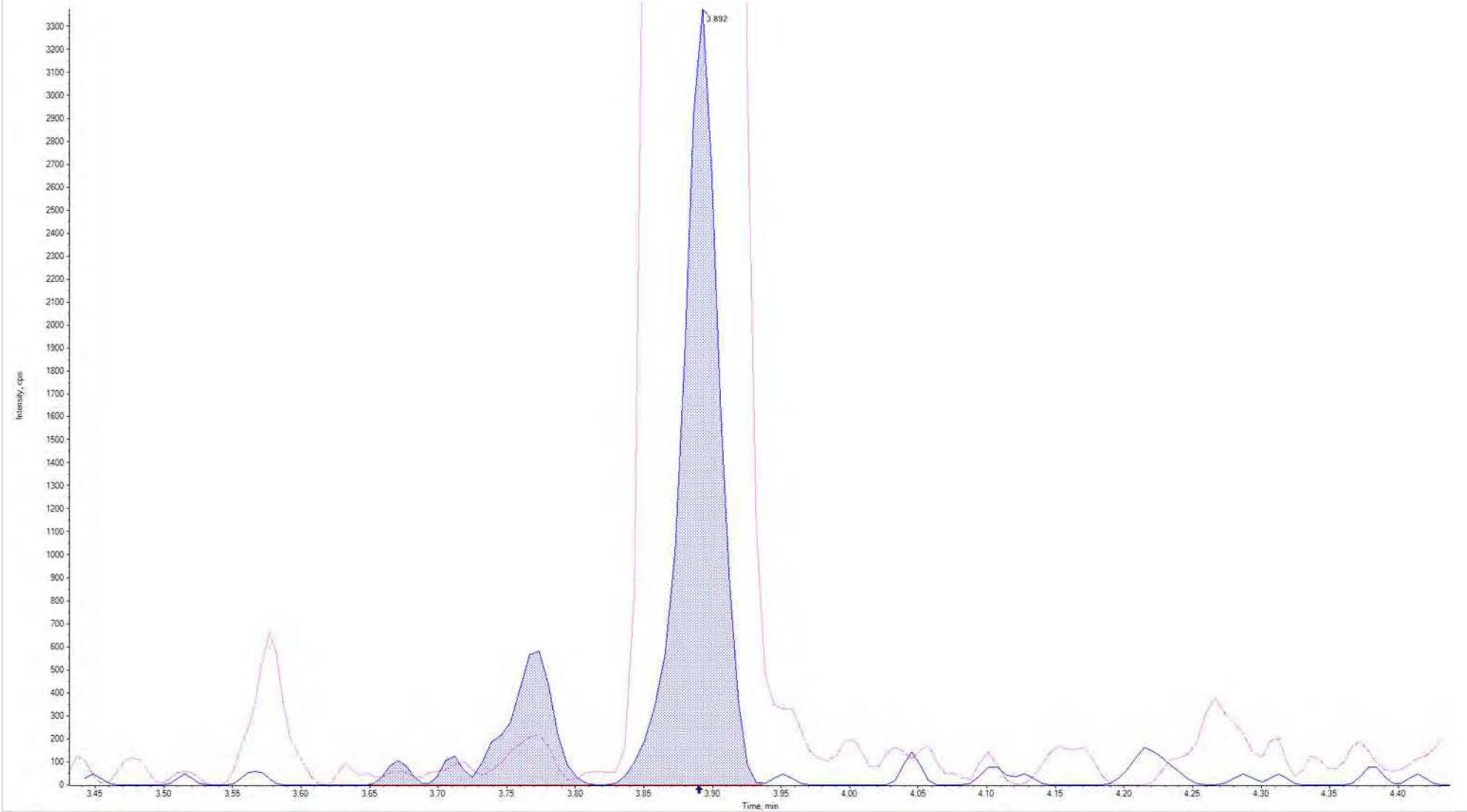
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFOS_2
Sample: IA1633STD-.2 S/N:67.7 Points Across peak:46



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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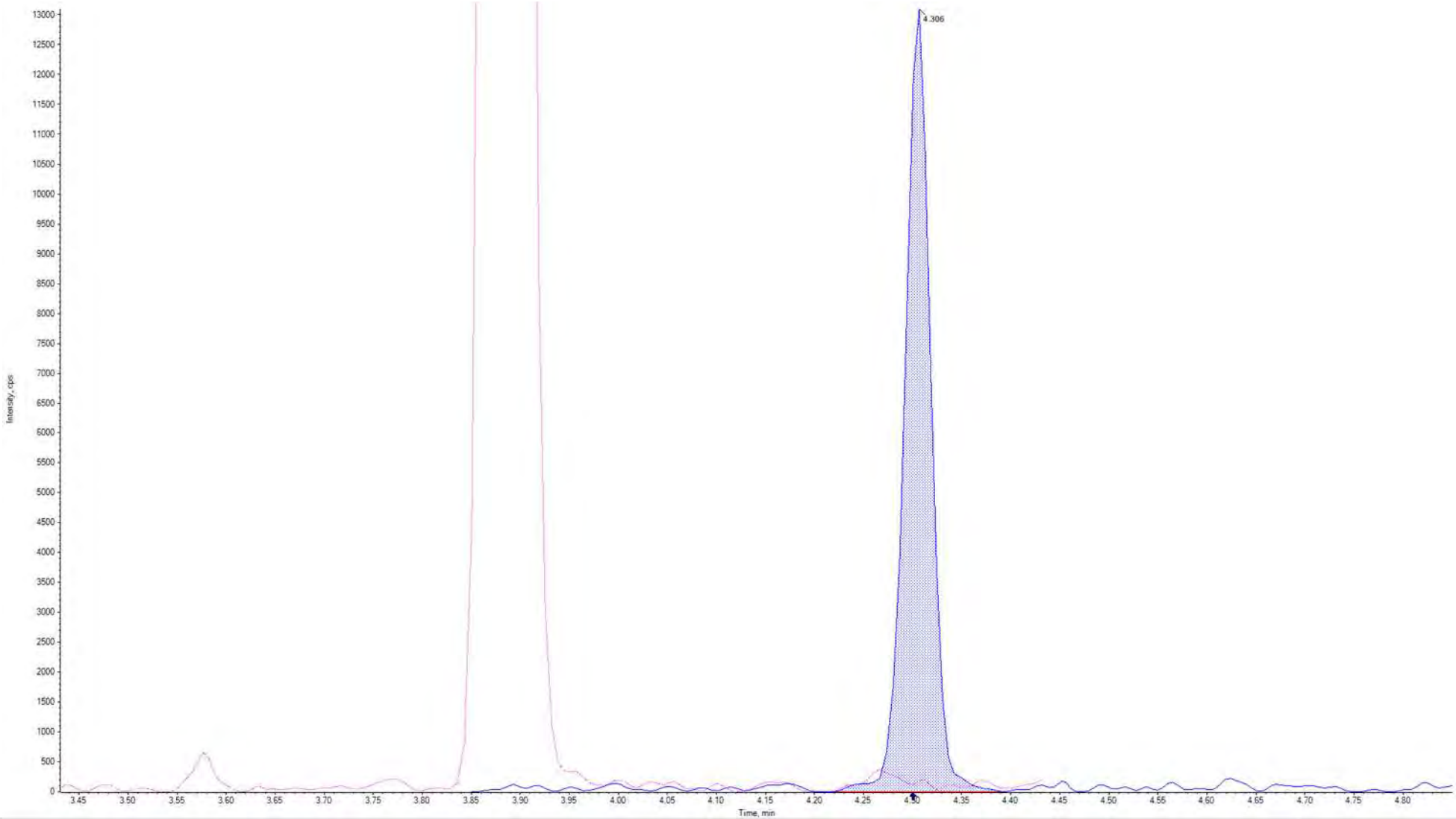
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFNS
Sample: IA1633STD-.2 S/N:328.1 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/12/2024 3:16:42 PM
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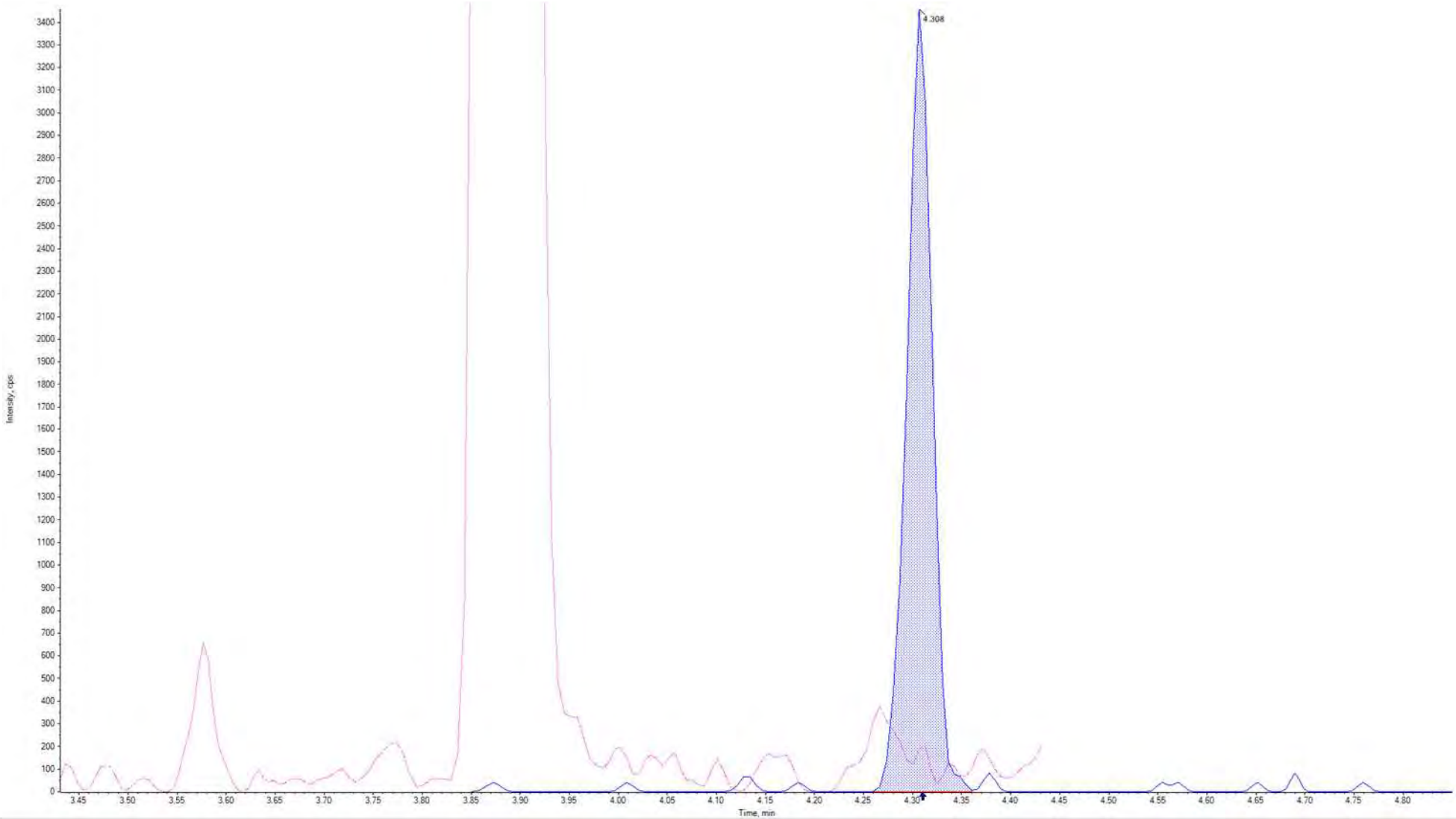
PFNS_2
Sample: IA1633STD-.2 S/N:86.7 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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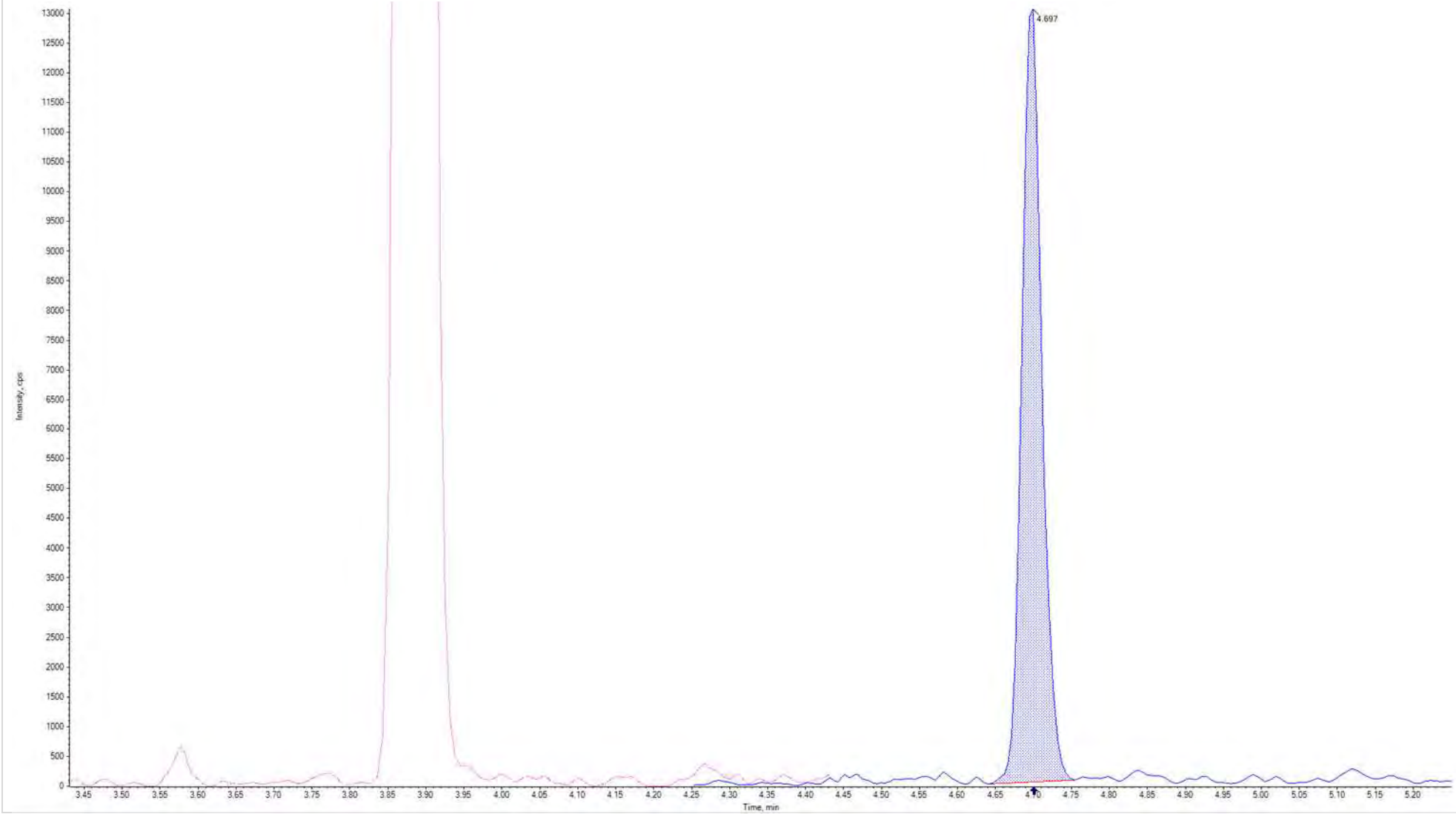
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFDS
Sample: IA1633STD-.2 S/N:456.1 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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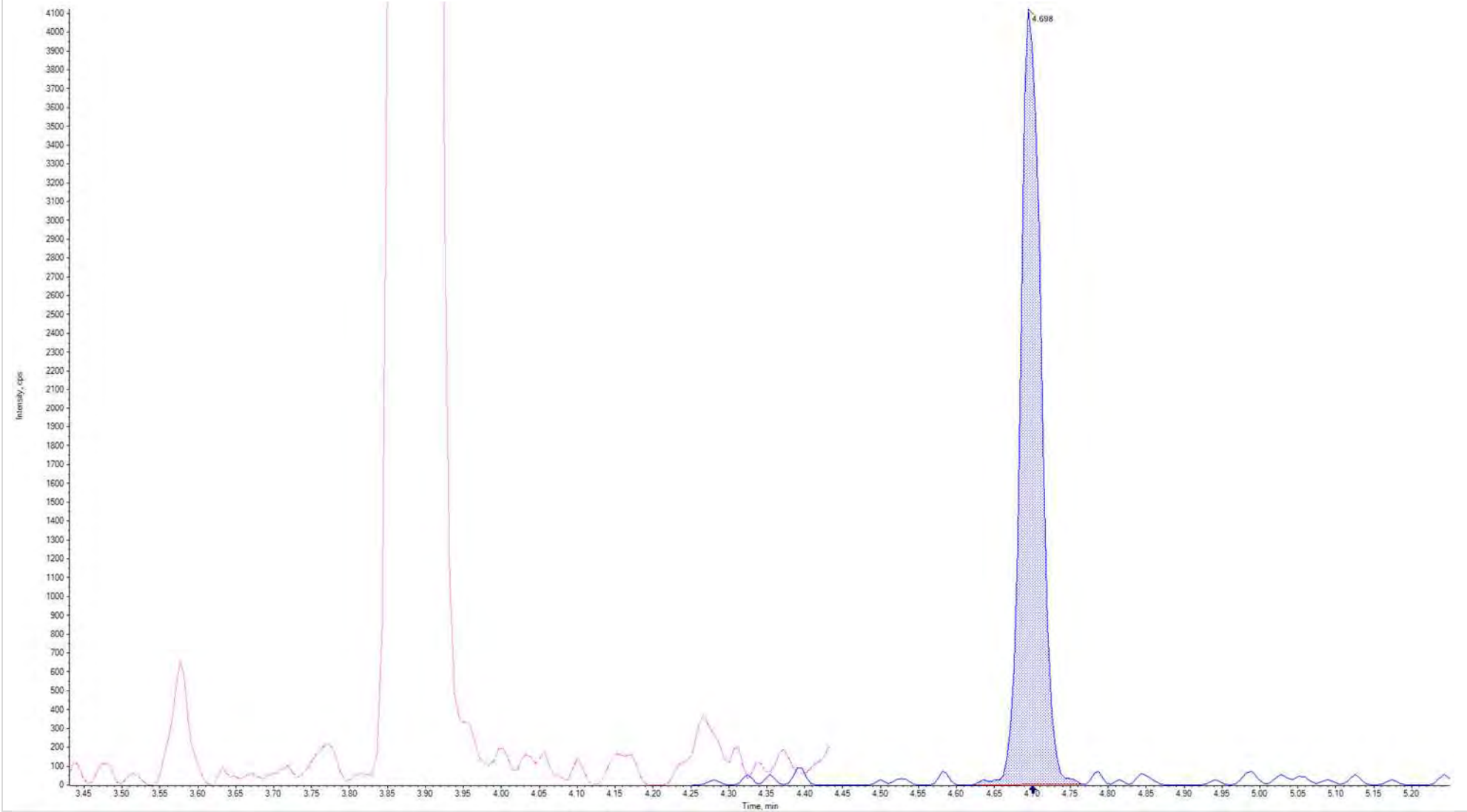
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFDS_2
Sample: IA1633STD-.2 S/N:144.6 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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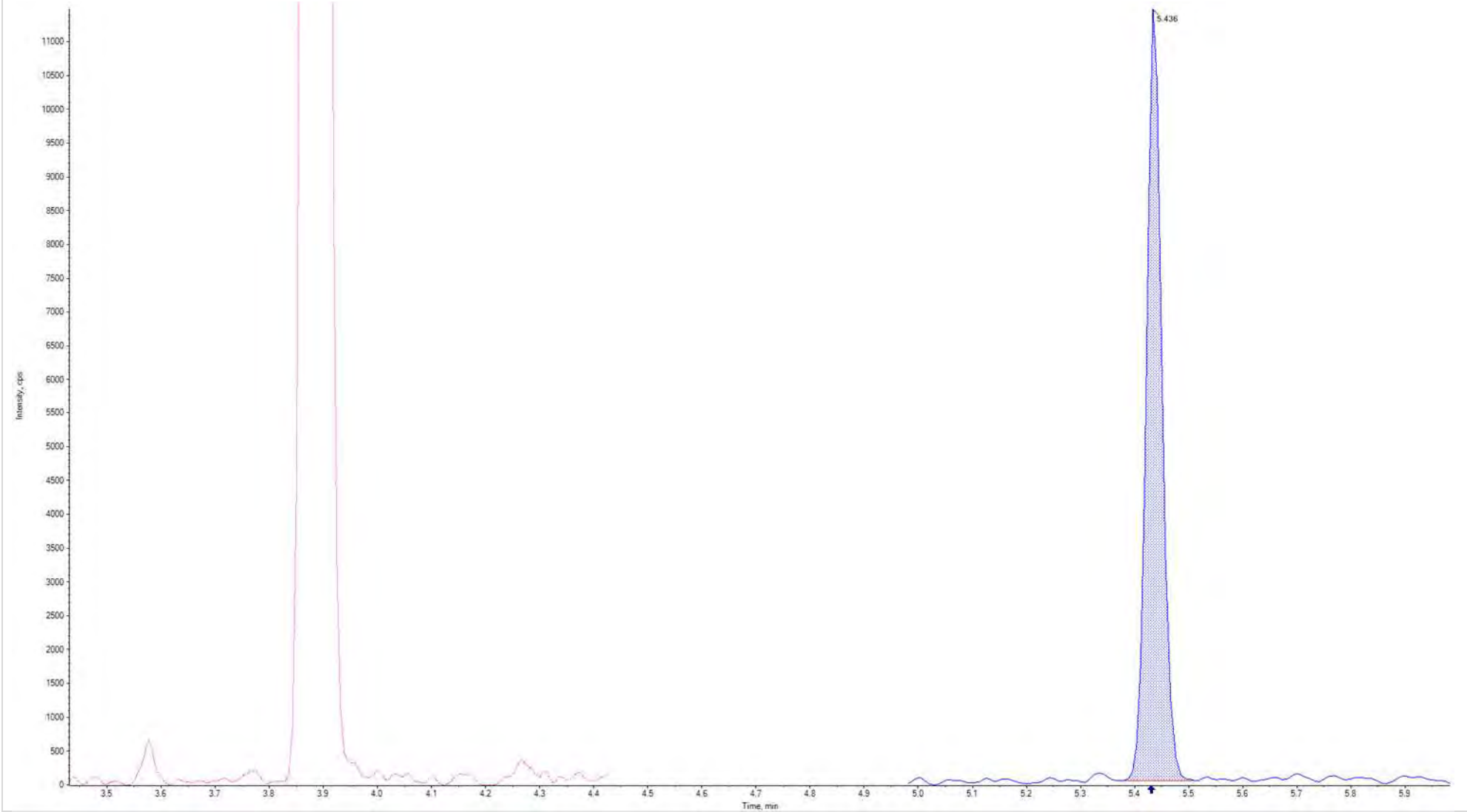
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFDoS
Sample: IA1633STD-.2 S/N:887.3 Points Across peak:18



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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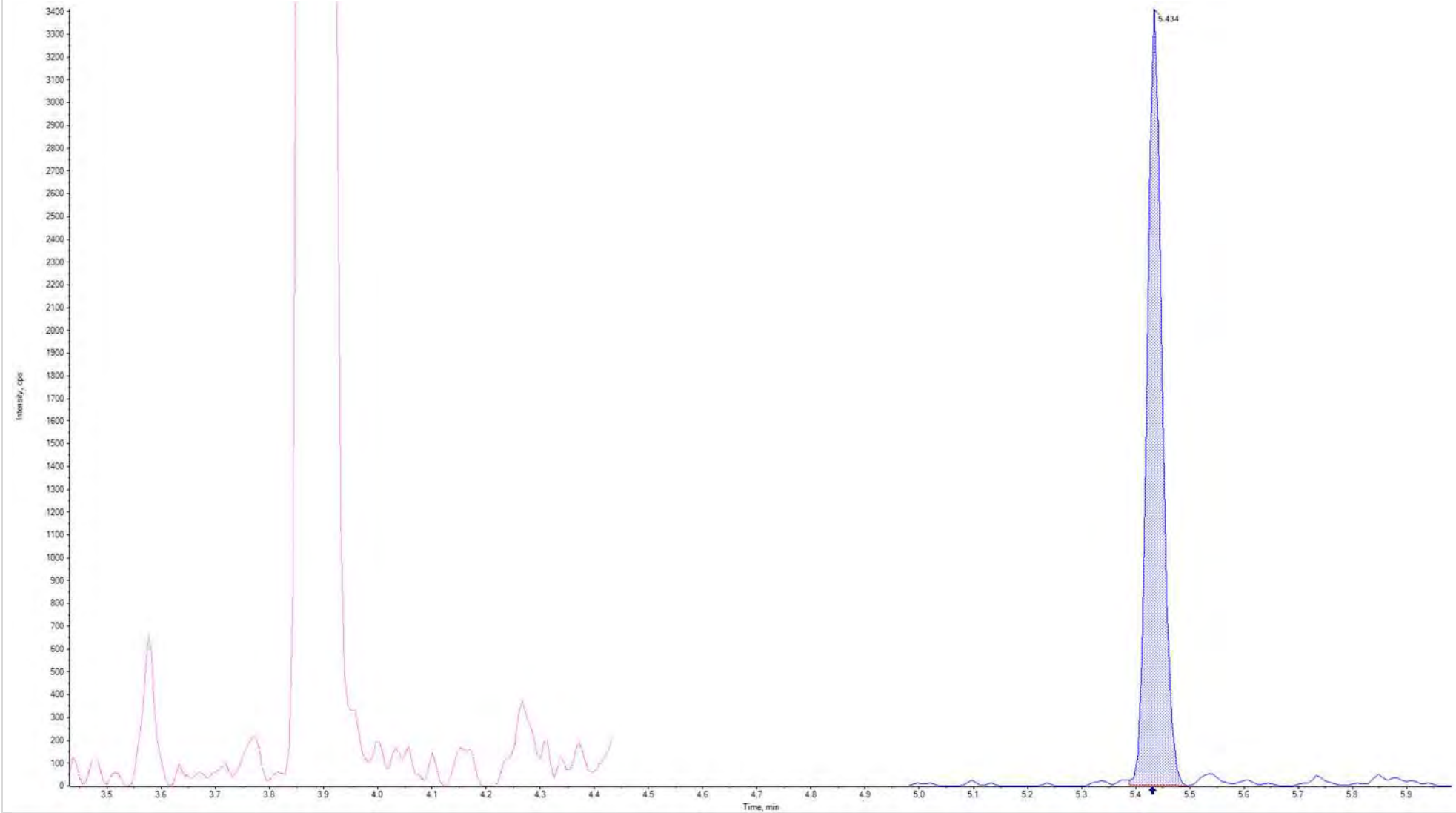
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFDoS_2
Sample: IA1633STD-.2 S/N:264.8 Points Across peak:14



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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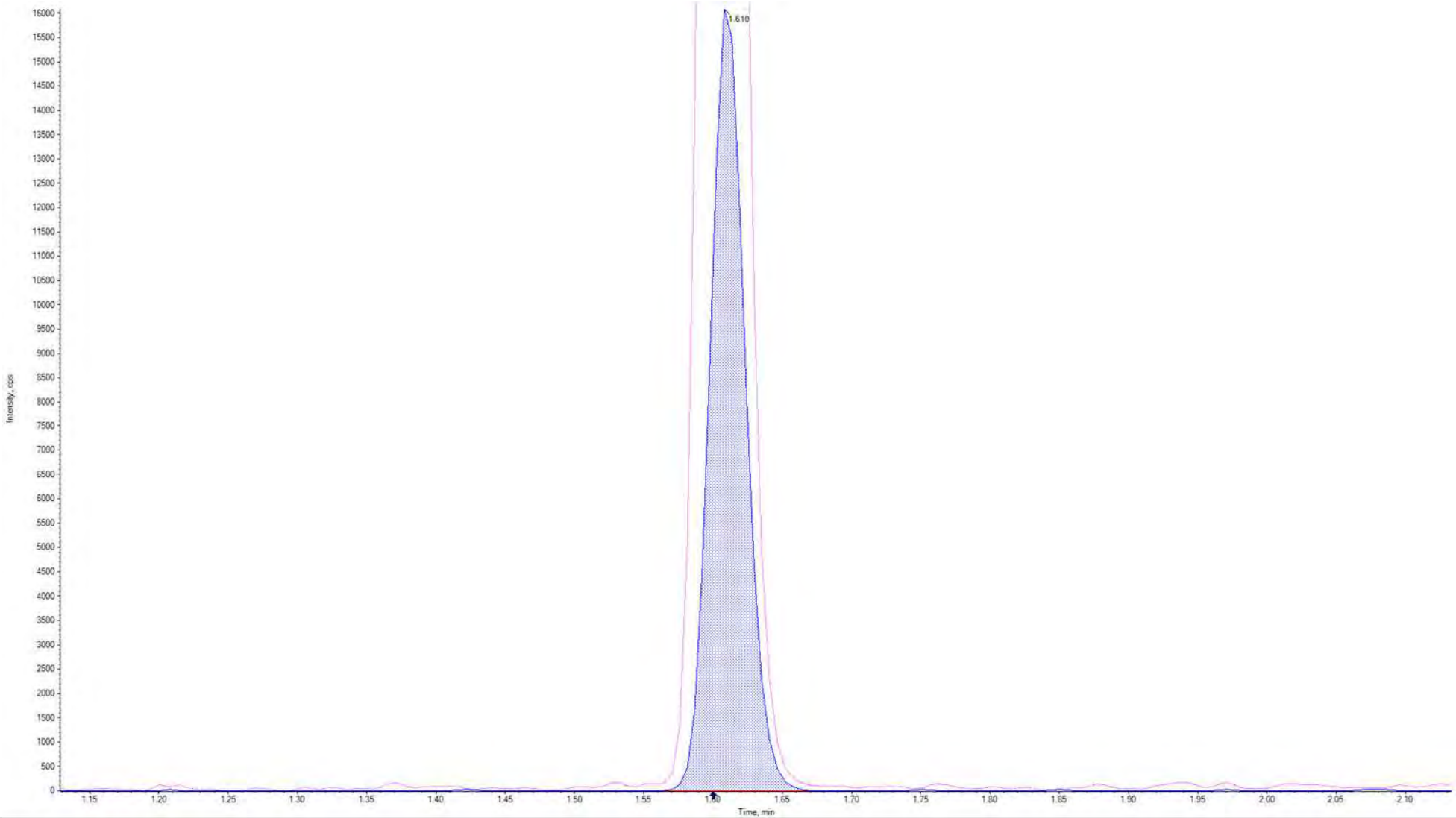
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

4:2FTS
Sample: IA1633STD-.2 S/N:604.7 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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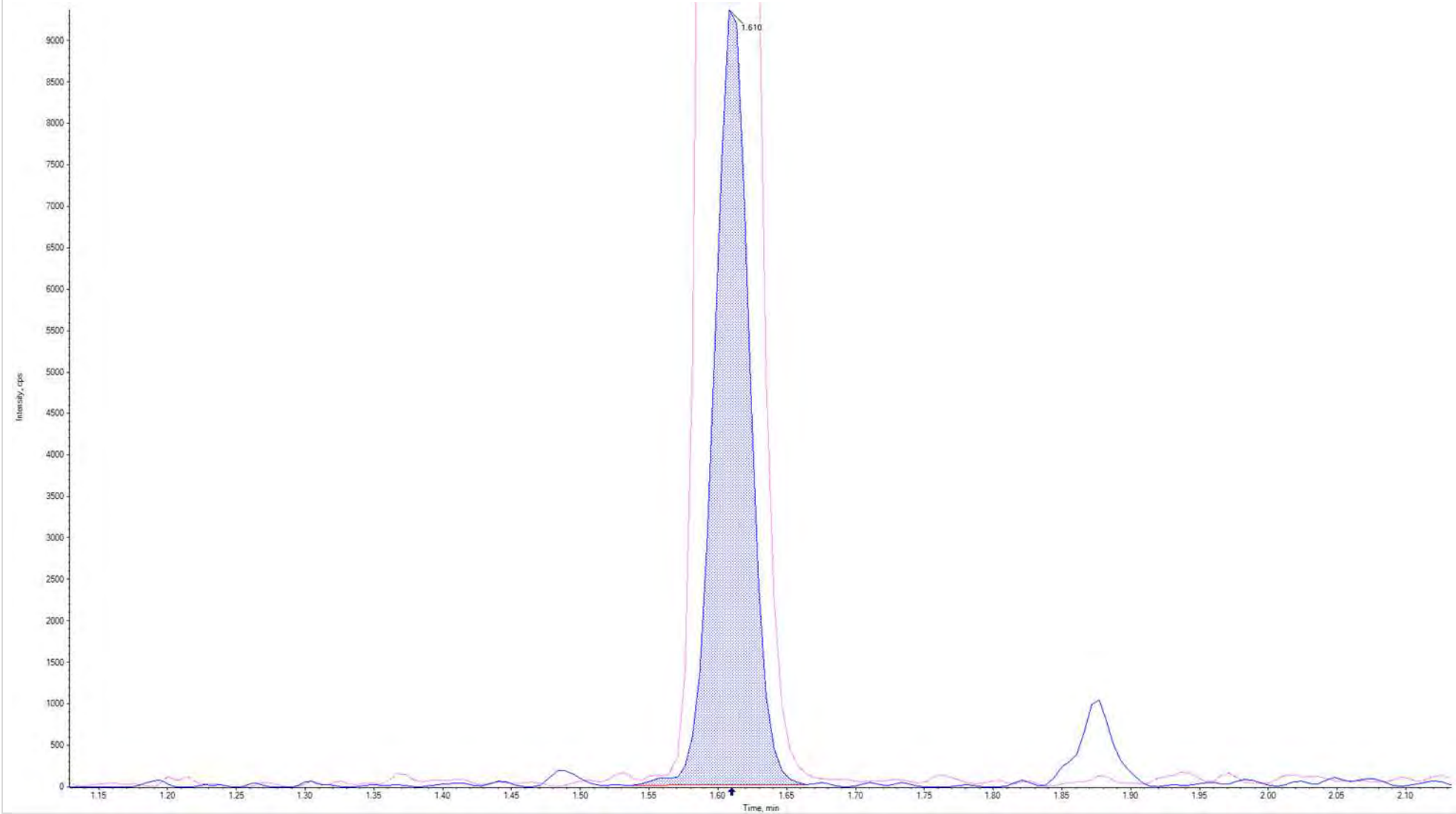
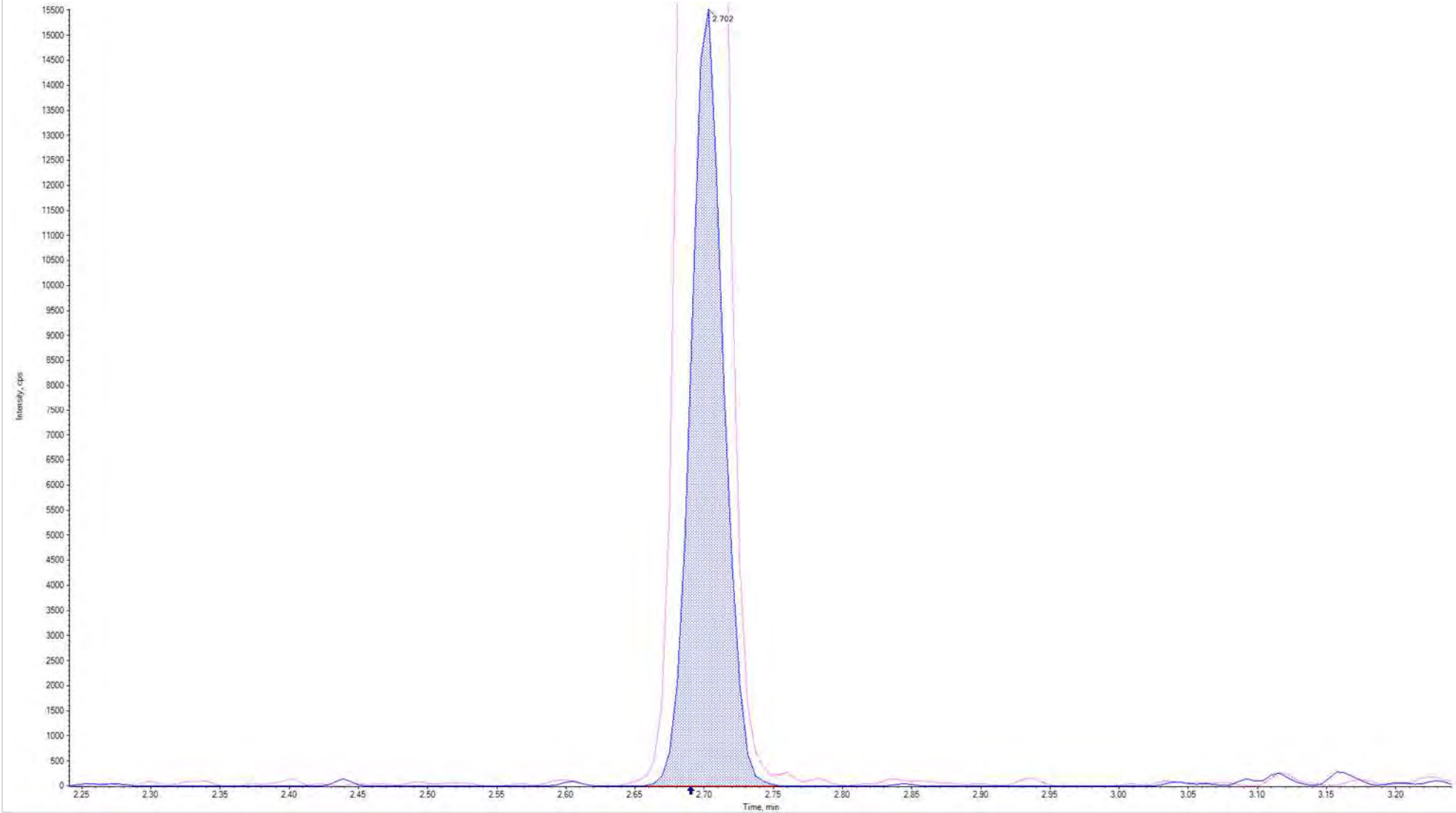
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

4:2FTS_2
Sample: IA1633STD-.2 S/N:351.4 Points Across peak:24



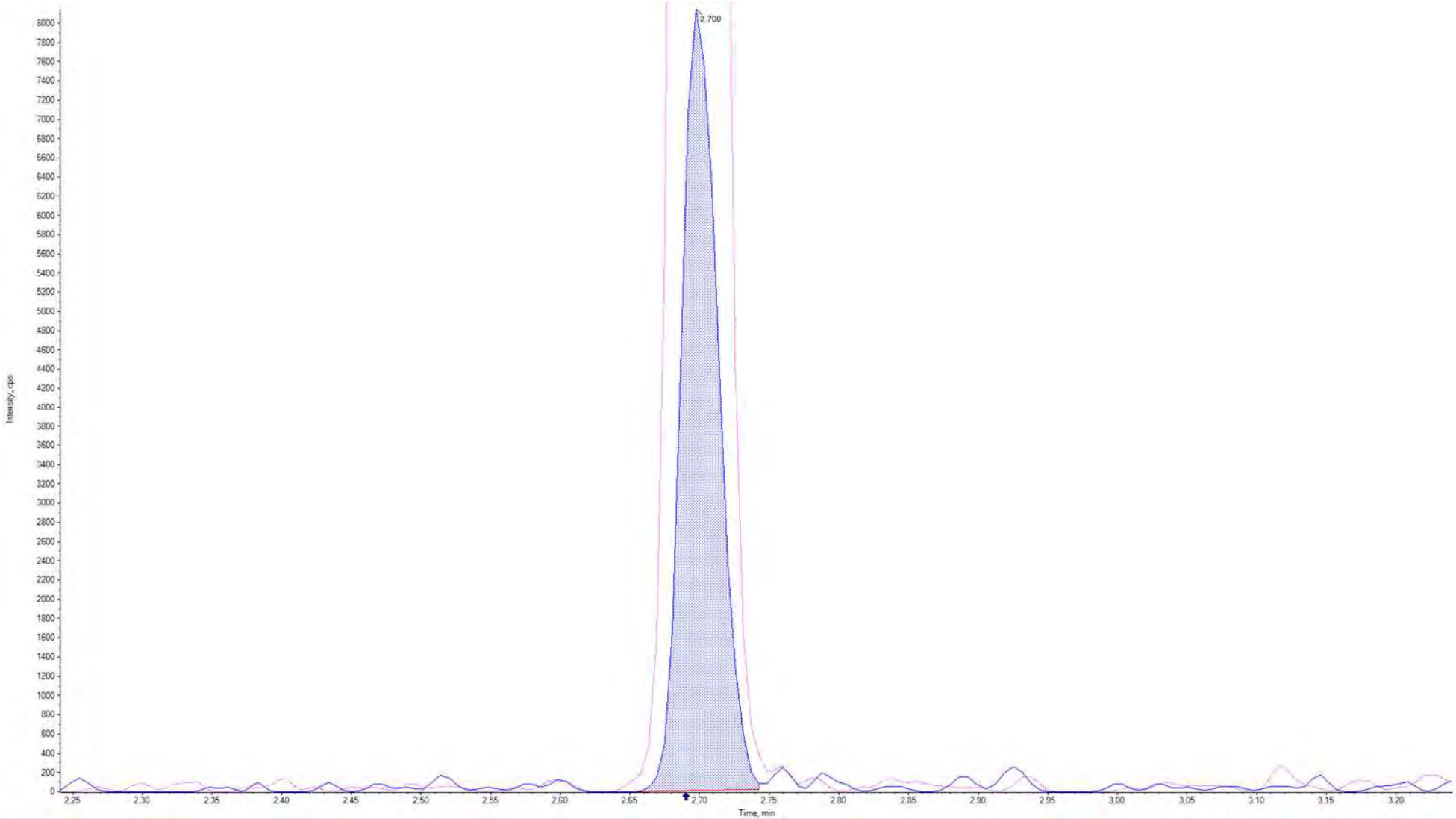
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_17.wiff2_2
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

6:2FTS
Sample: IA1633STD-.2 S/N:311.3 Points Across peak:25



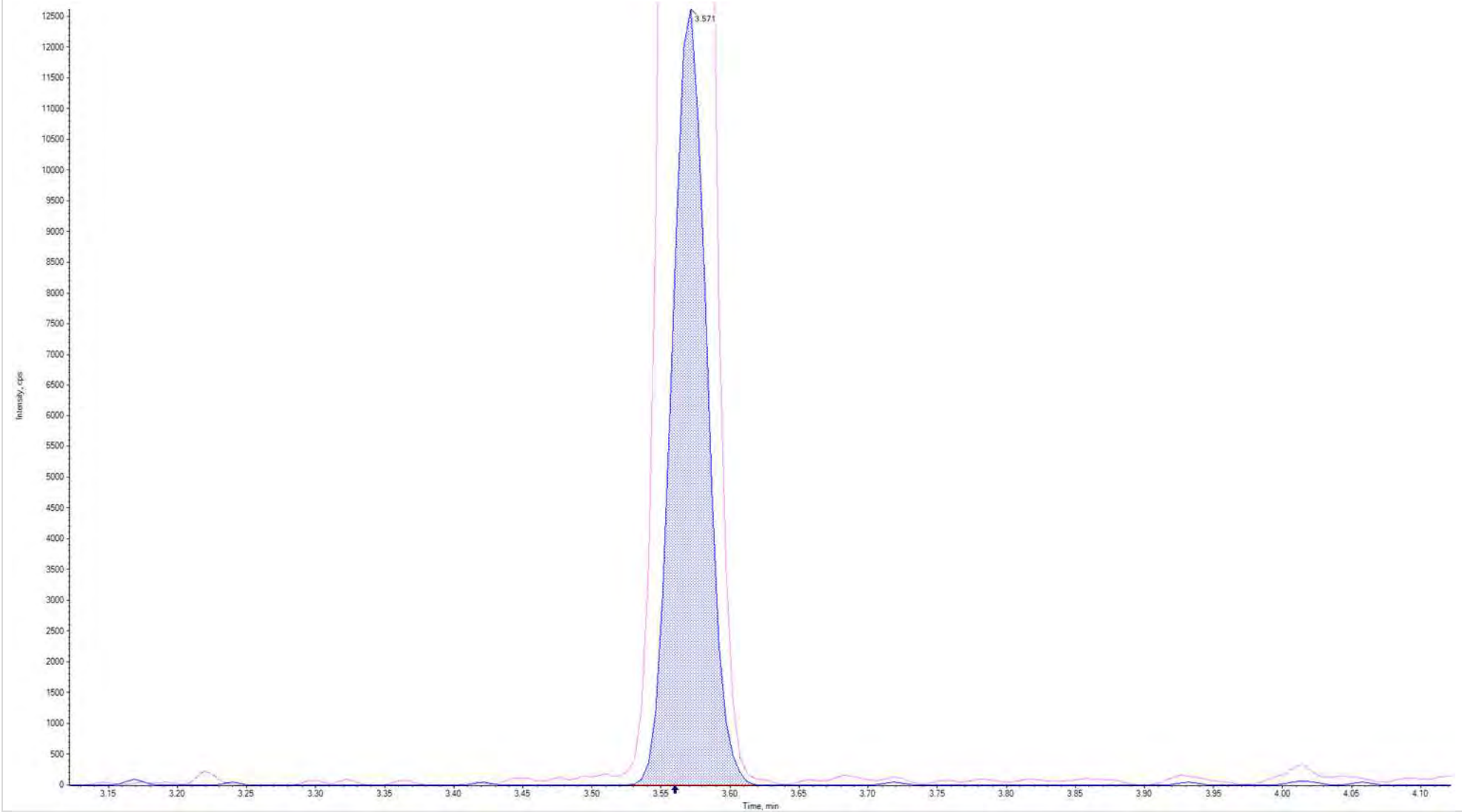
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_17.wiff2_2
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

6:2FTS_2
Sample: IA1633STD-.2 S/N:163.1 Points Across peak:17



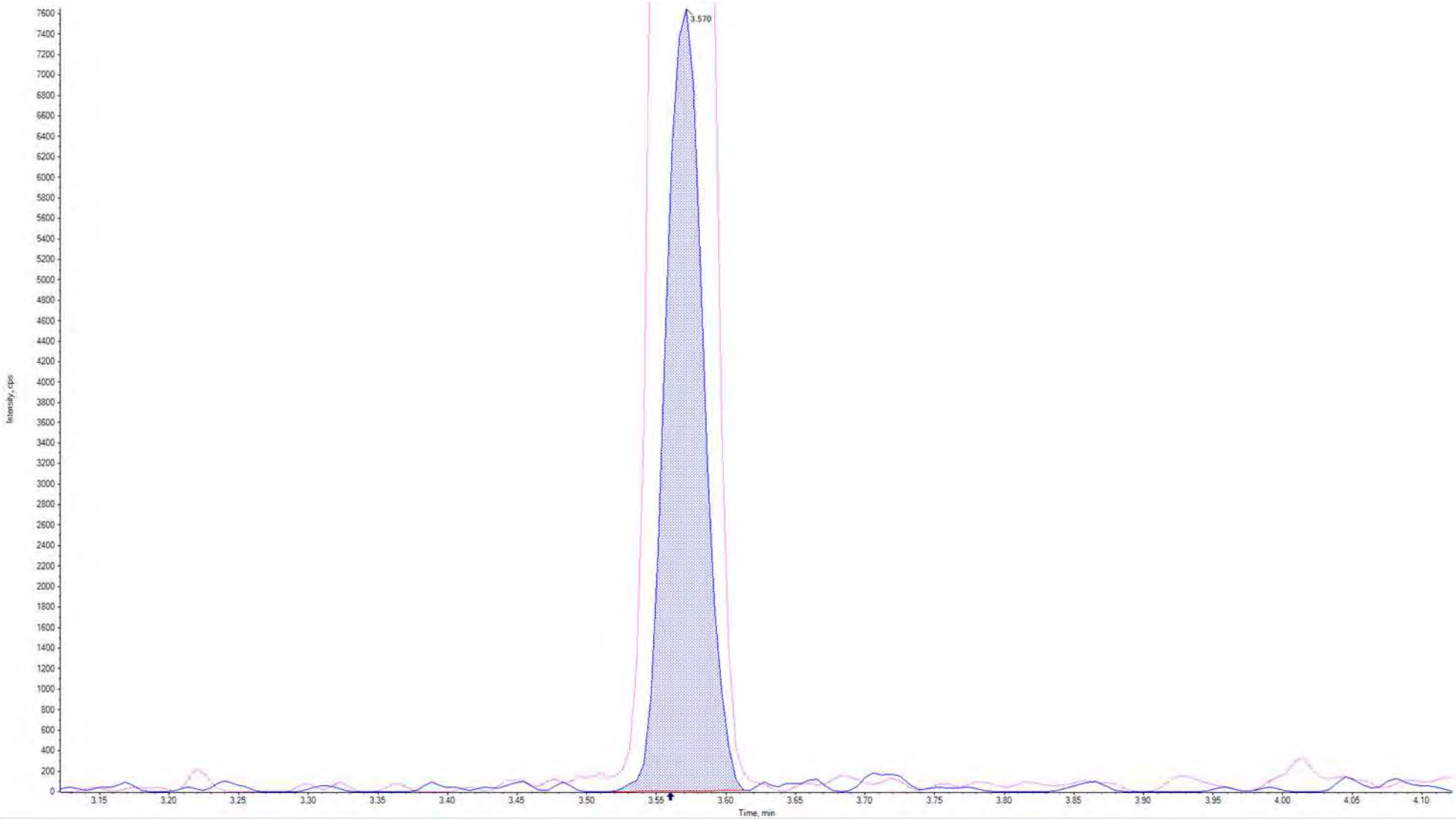
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_17.wiff2_2
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

8:2FTS
Sample: IA1633STD-.2 S/N:253.0 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_17.wiff2_2
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

8:2FTS_2
Sample: IA1633STD-.2 S/N:153.1 Points Across peak:21



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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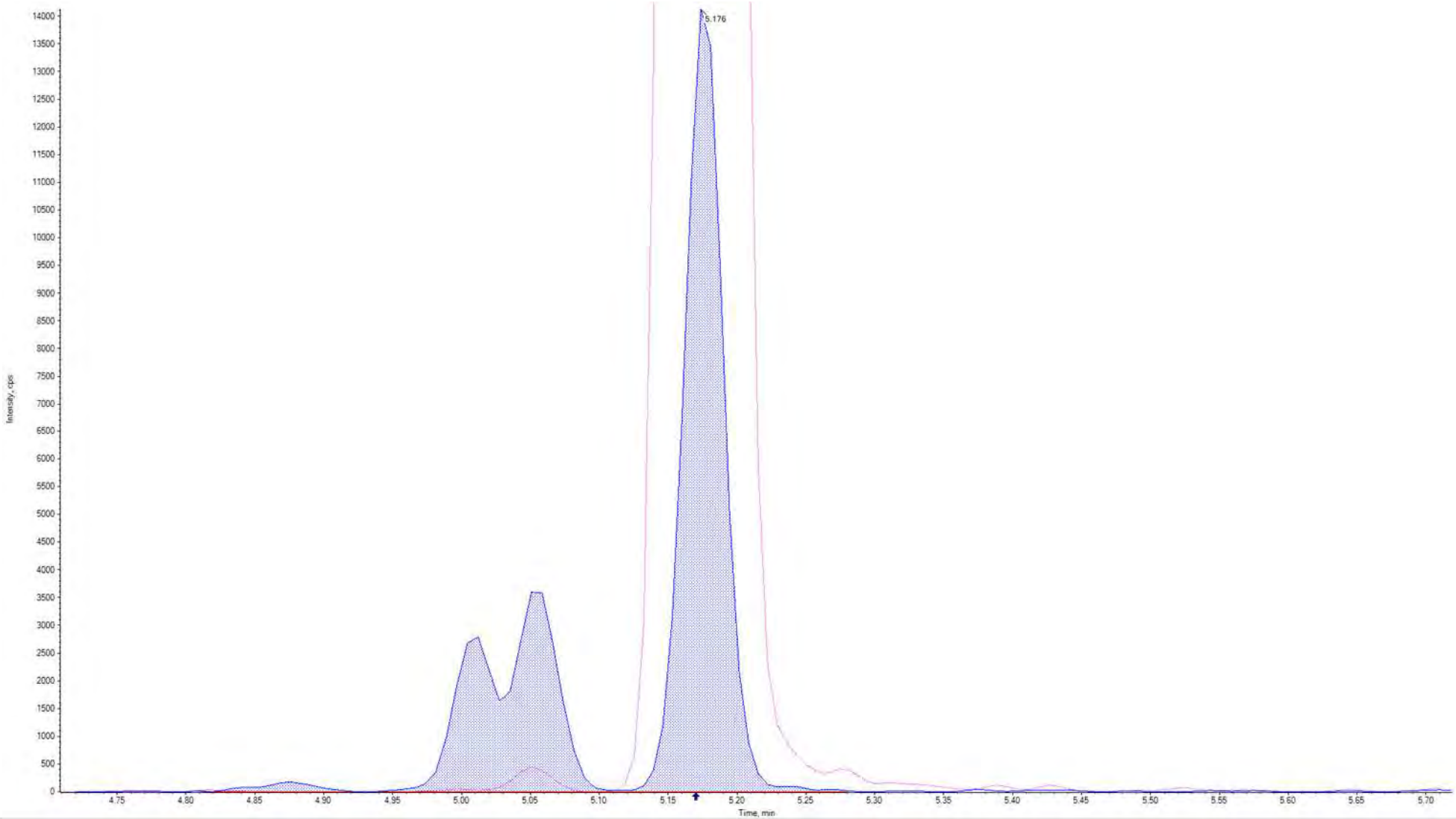
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFOSA
Sample: IA1633STD-.2 S/N:278.5 Points Across peak:70



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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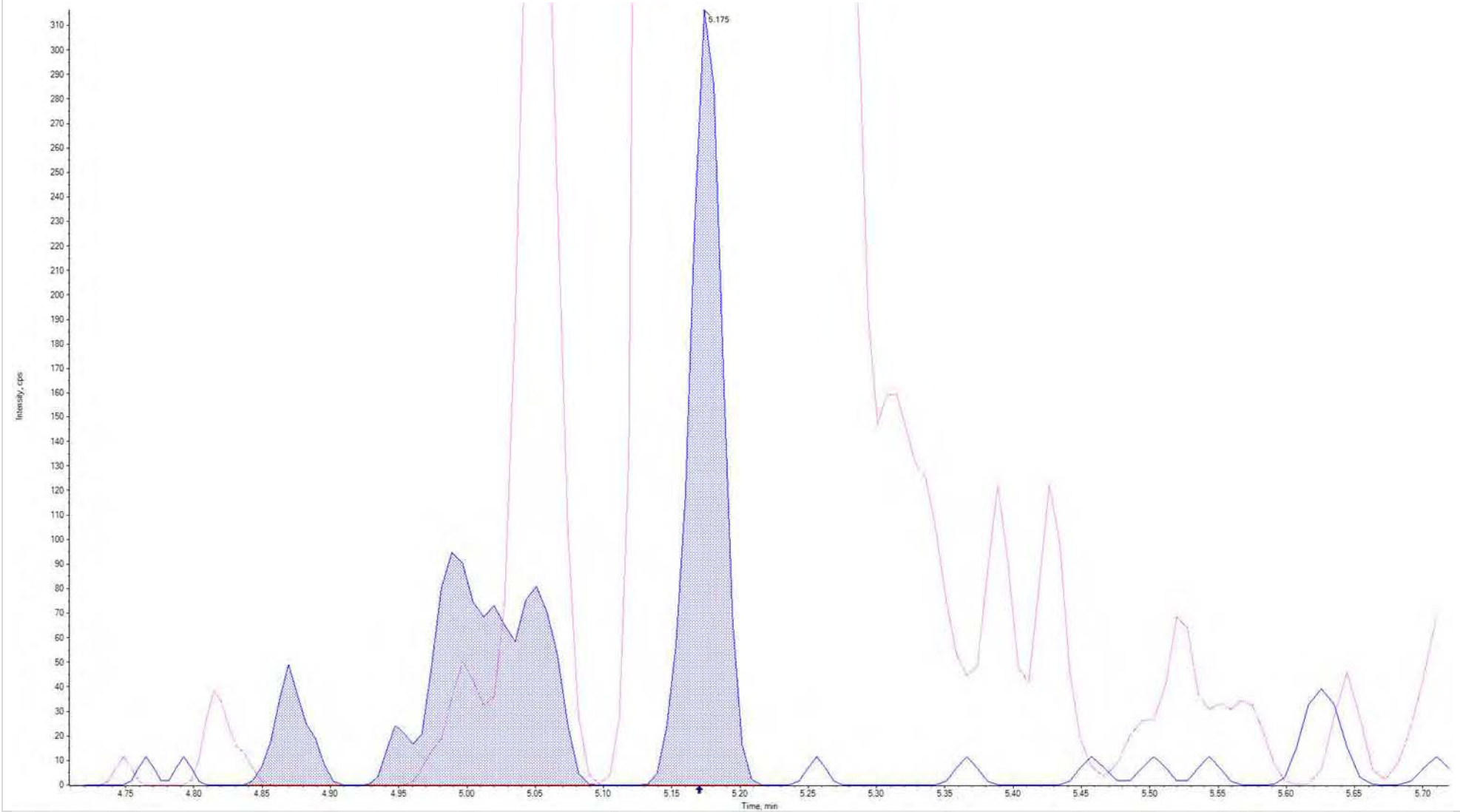
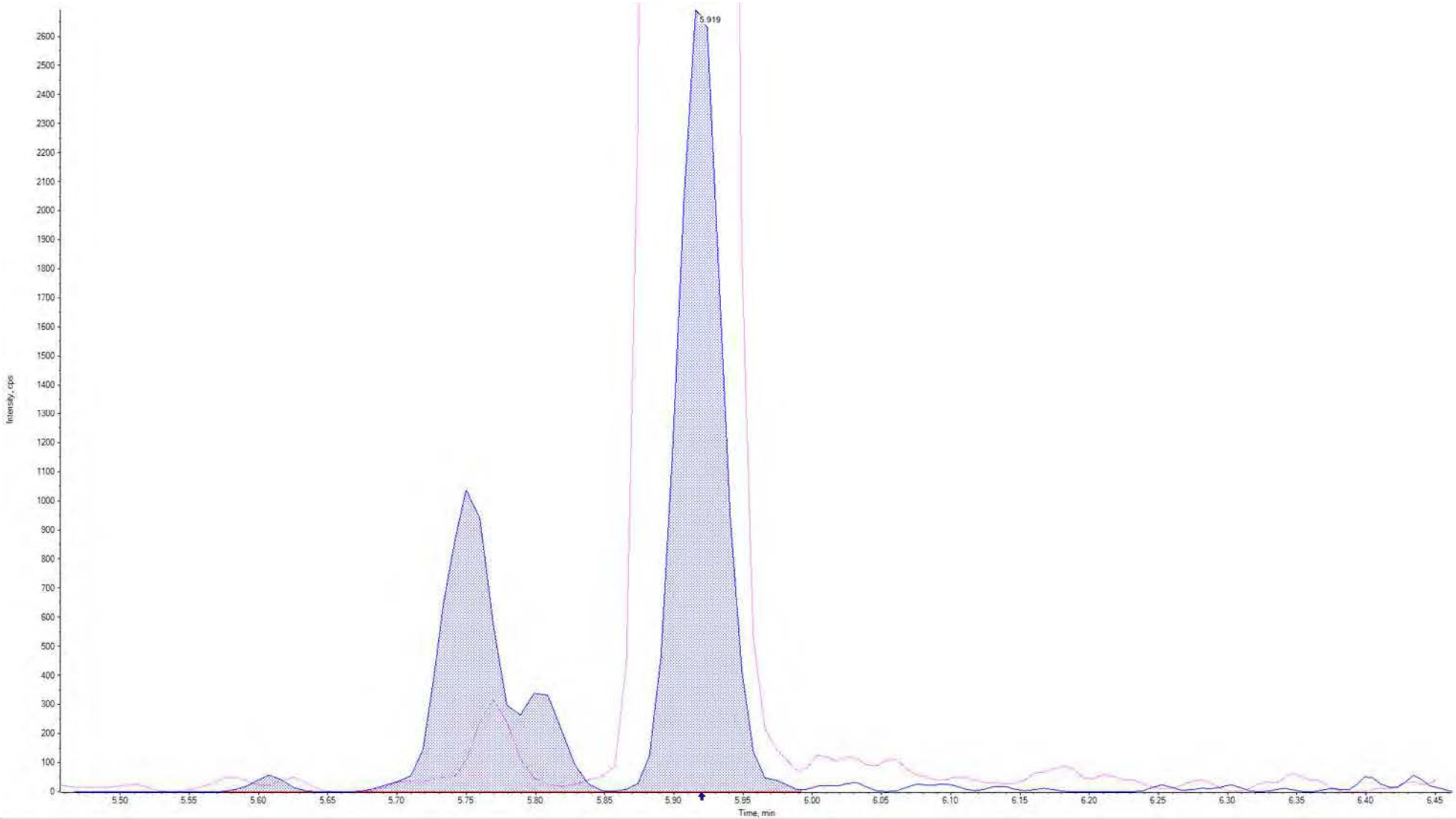
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFOSA_2
Sample: IA1633STD-.2 S/N:27.8 Points Across peak:58



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_17.wiff2_2
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NMeFOSA
Sample: IA1633STD-.2 S/N:176.0 Points Across peak:50



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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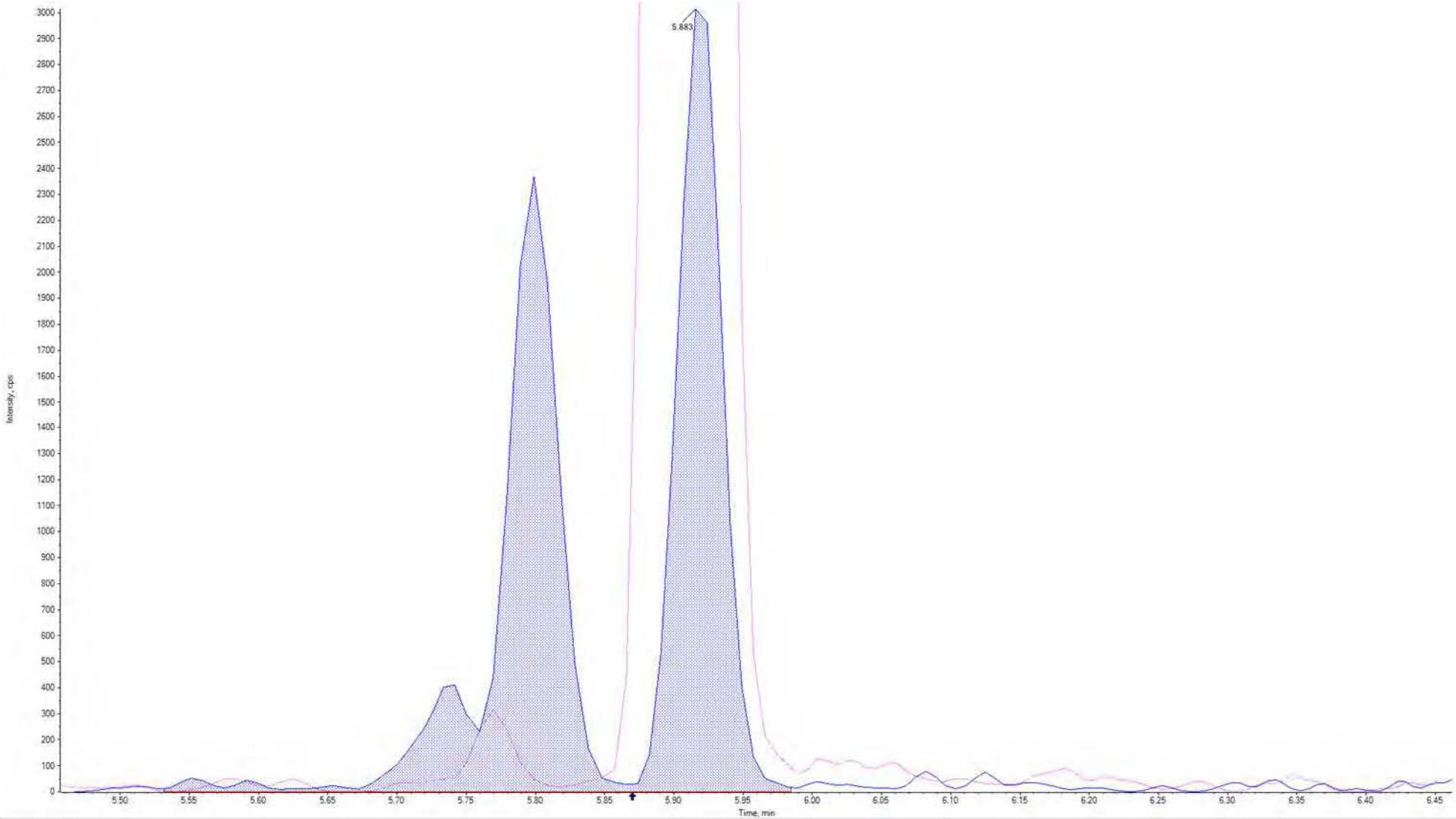
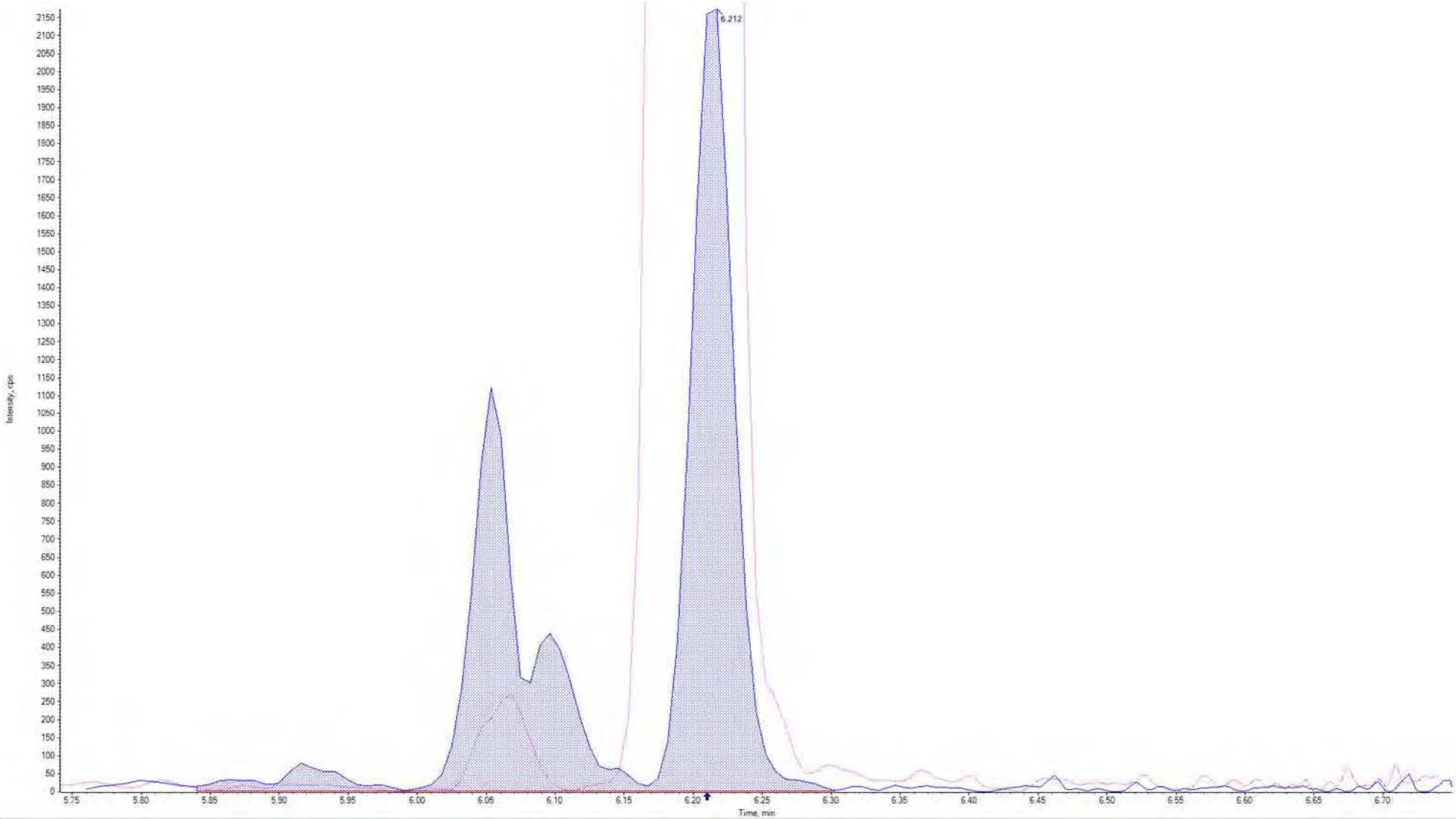
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NMeFOSA_2
Sample: IA1633STD-.2 S/N:131.6 Points Across peak:54



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_17.wiff2_2
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NEtFOSA
Sample: IA1633STD-.2 S/N:199.2 Points Across peak:63



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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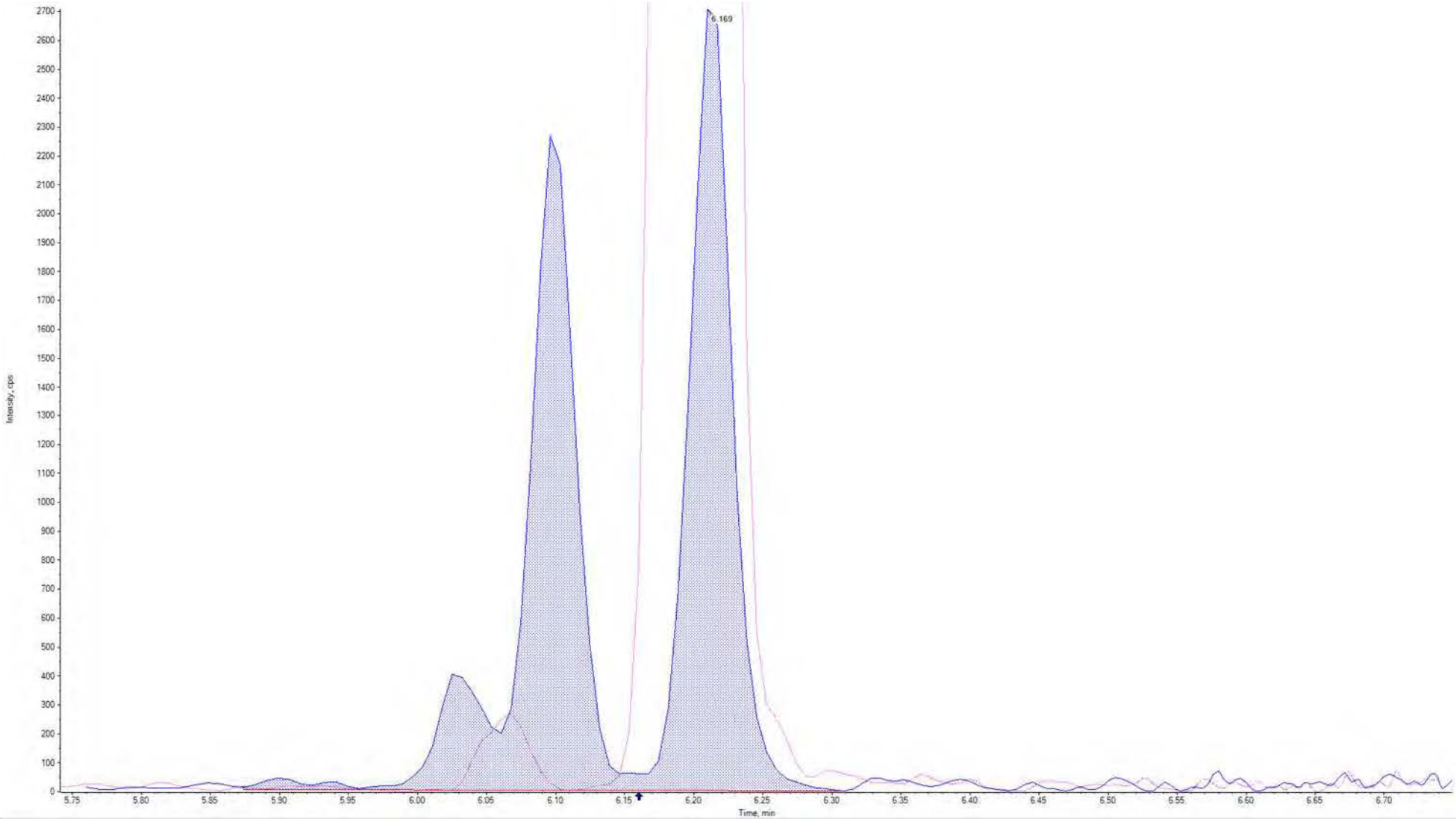
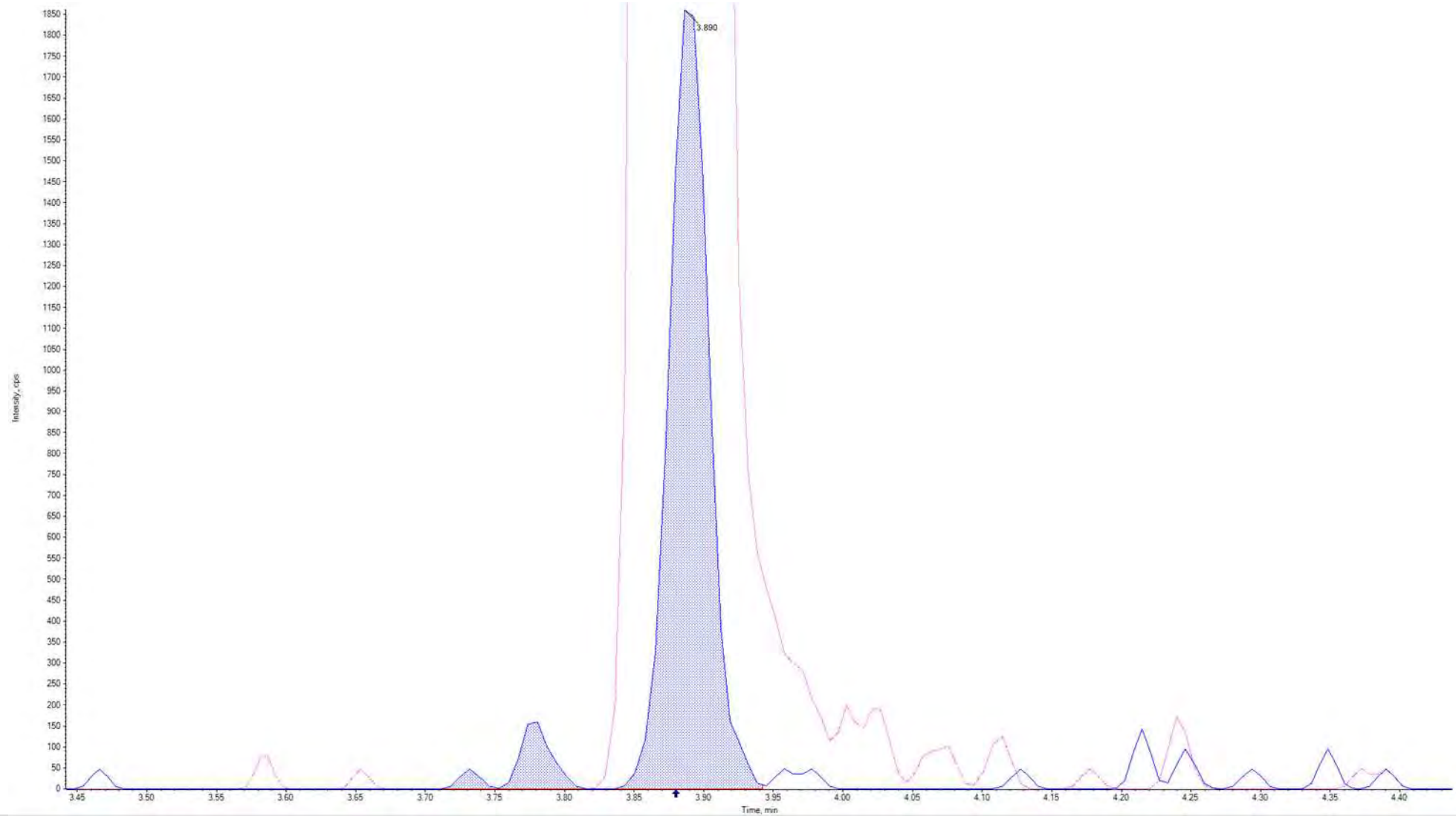
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NEtFOSA_2
Sample: IA1633STD-.2 S/N:164.5 Points Across peak:60



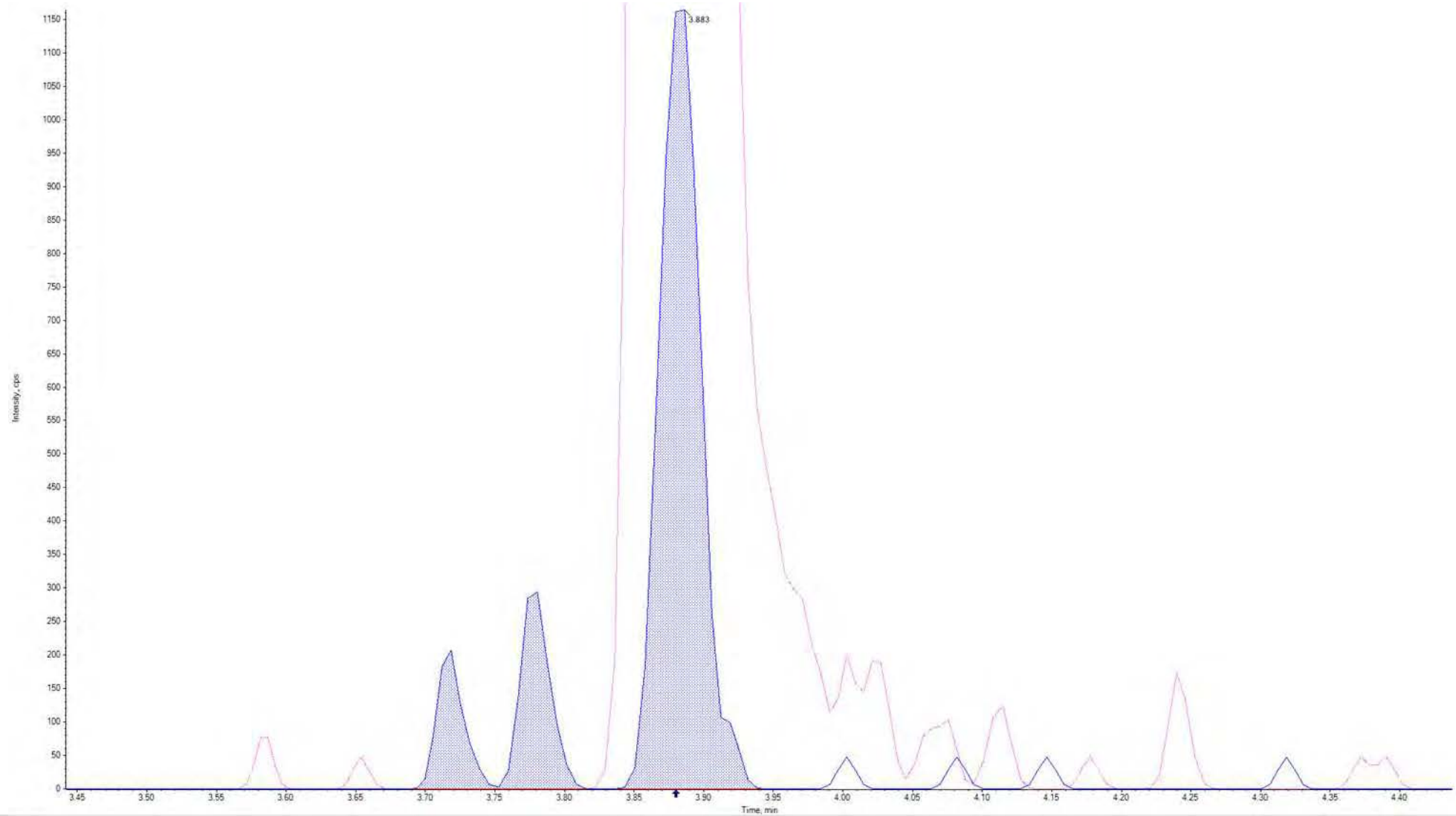
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_17.wiff2_2
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NMeFOSAA
Sample: IA1633STD-.2 S/N:37.3 Points Across peak:36



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_17.wiff2_2
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NMeFOSAA_2
Sample: IA1633STD-.2 S/N:23.3 Points Across peak:41



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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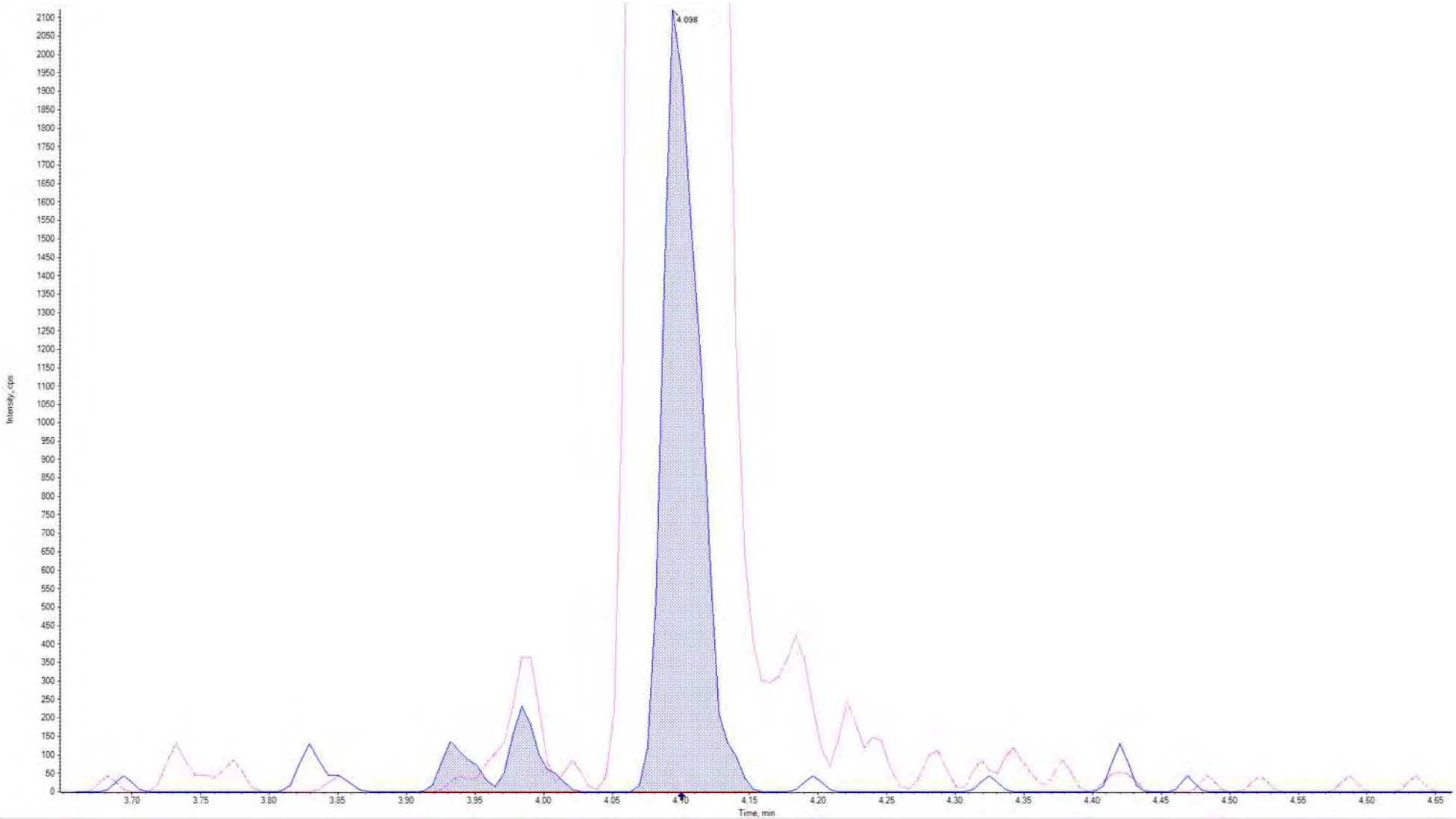
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NEtFOSAA
Sample: IA1633STD-.2 S/N:47.8 Points Across peak:43



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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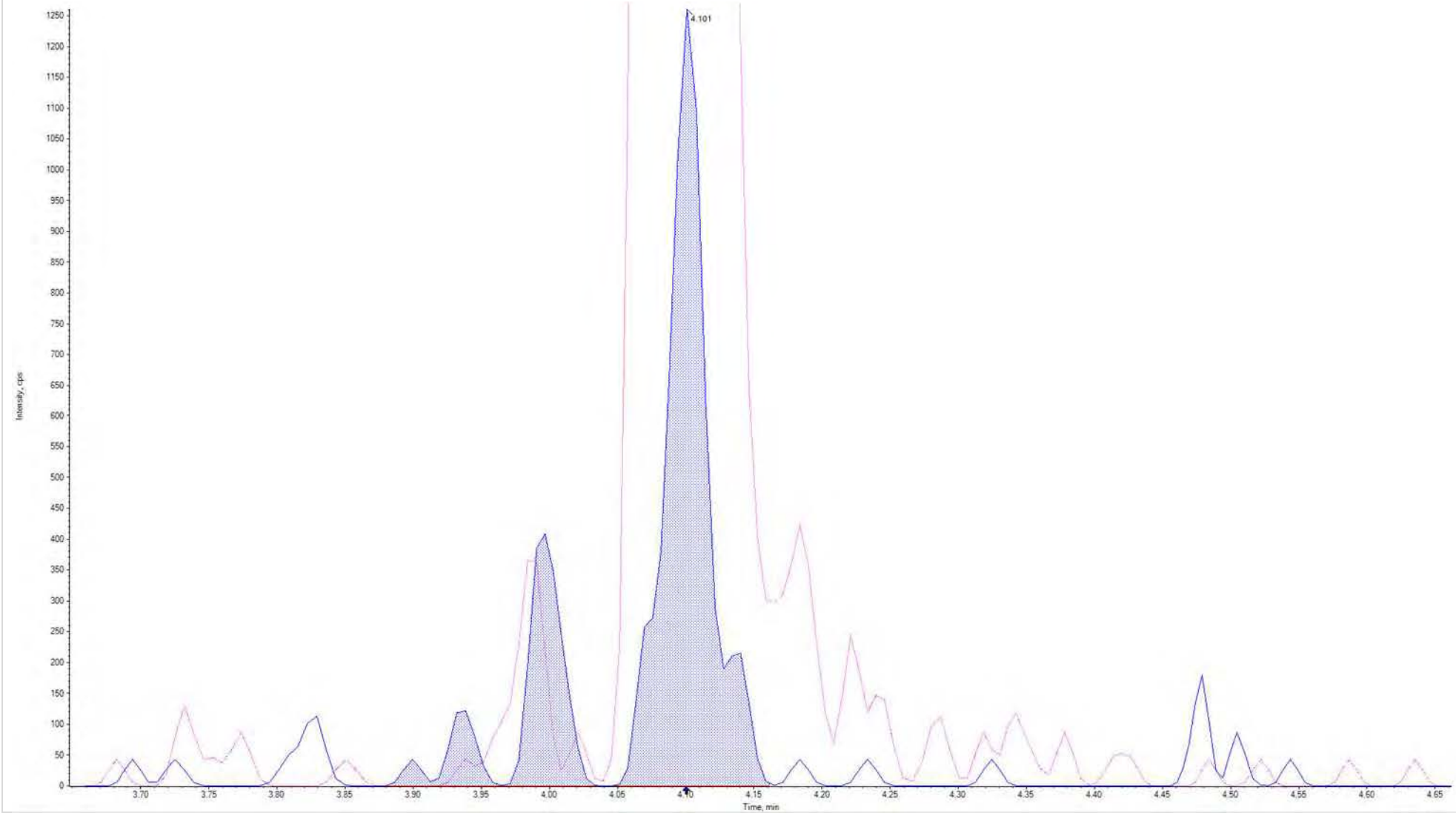
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NEtFOSAA_2
Sample: IA1633STD-.2 S/N:28.4 Points Across peak:47



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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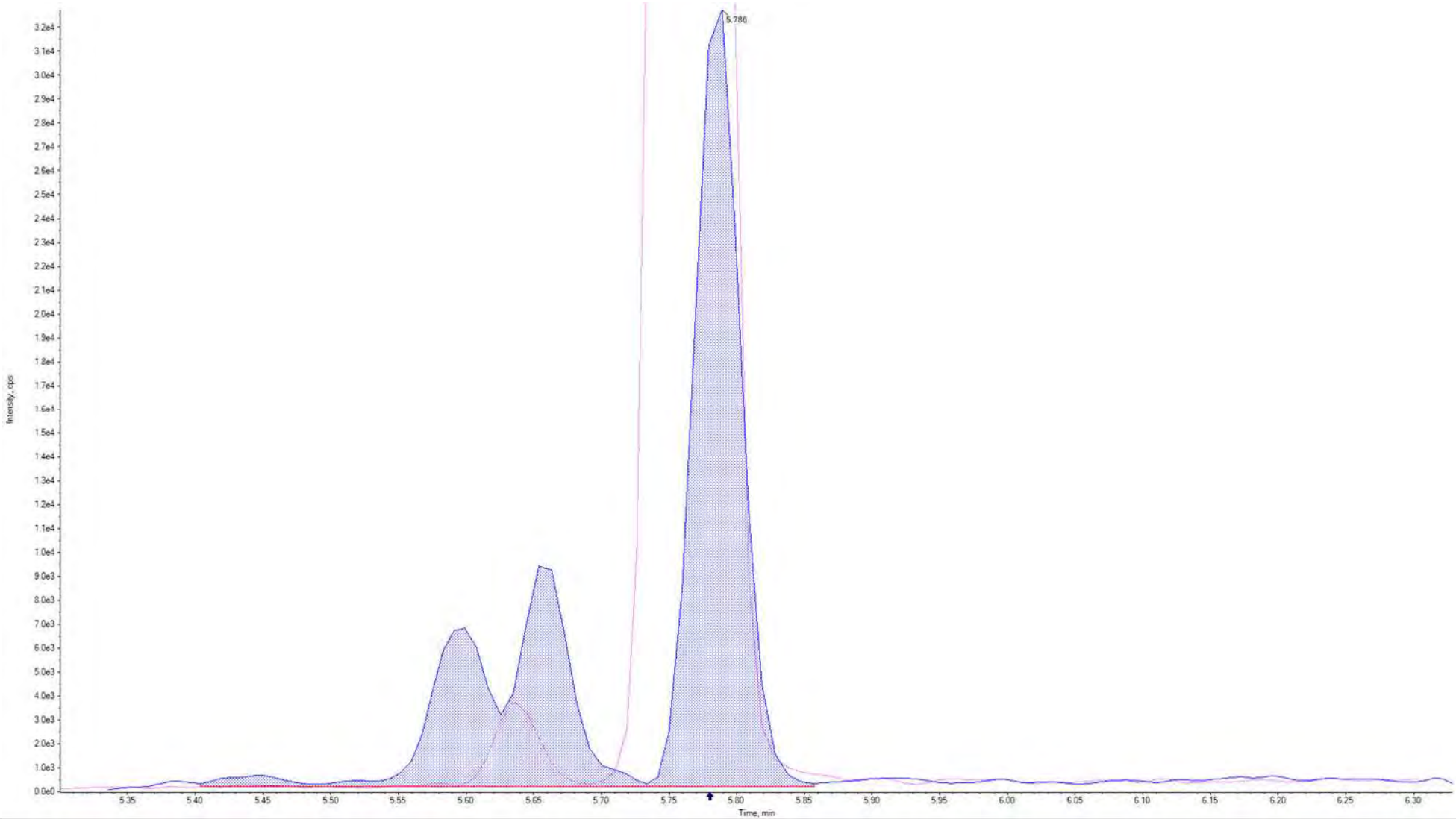
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NMeFOSE
Sample: IA1633STD-.2 S/N:144.5 Points Across peak:53



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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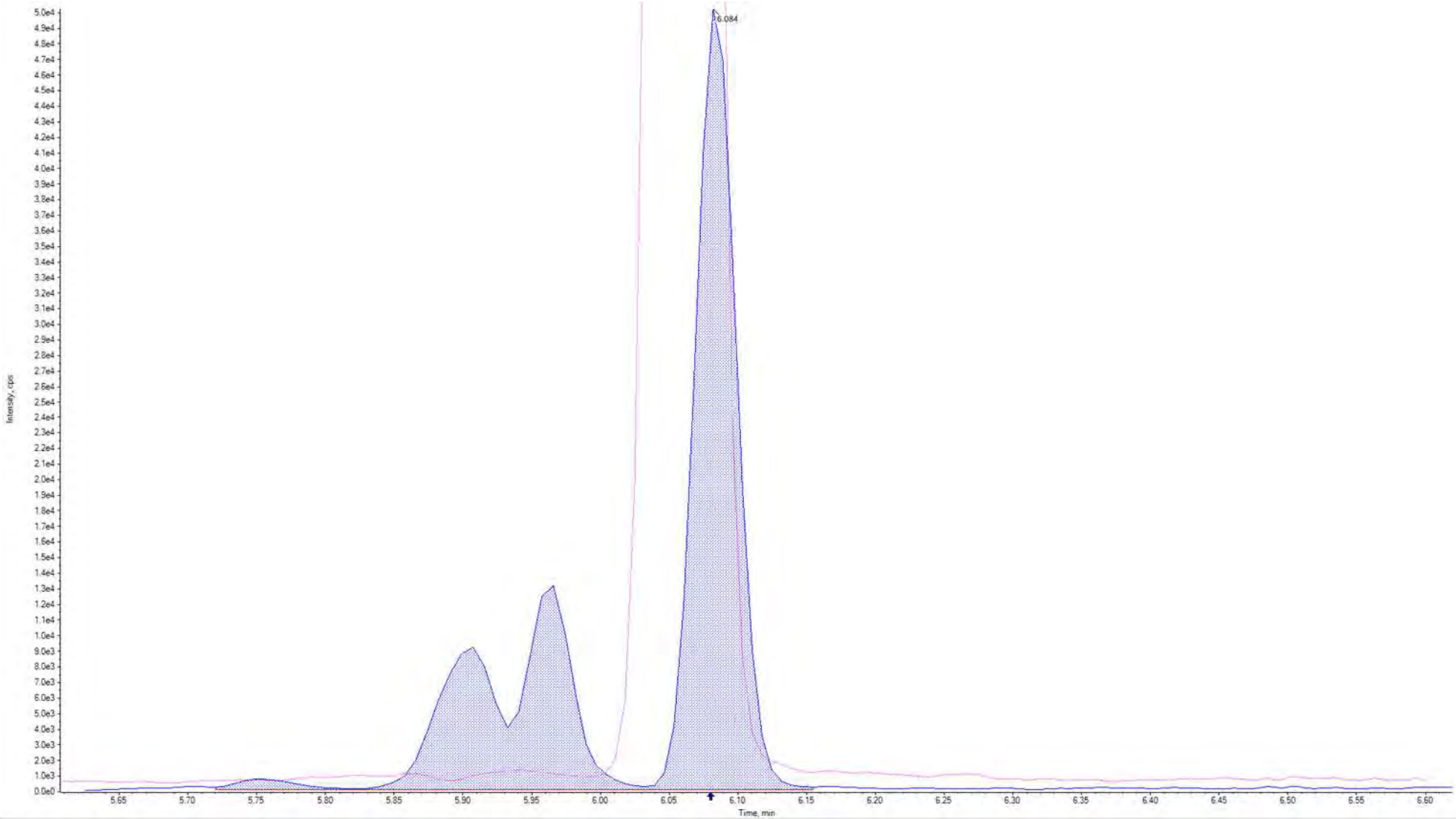
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NEtFOSE
Sample: IA1633STD-.2 S/N:303.4 Points Across peak:56



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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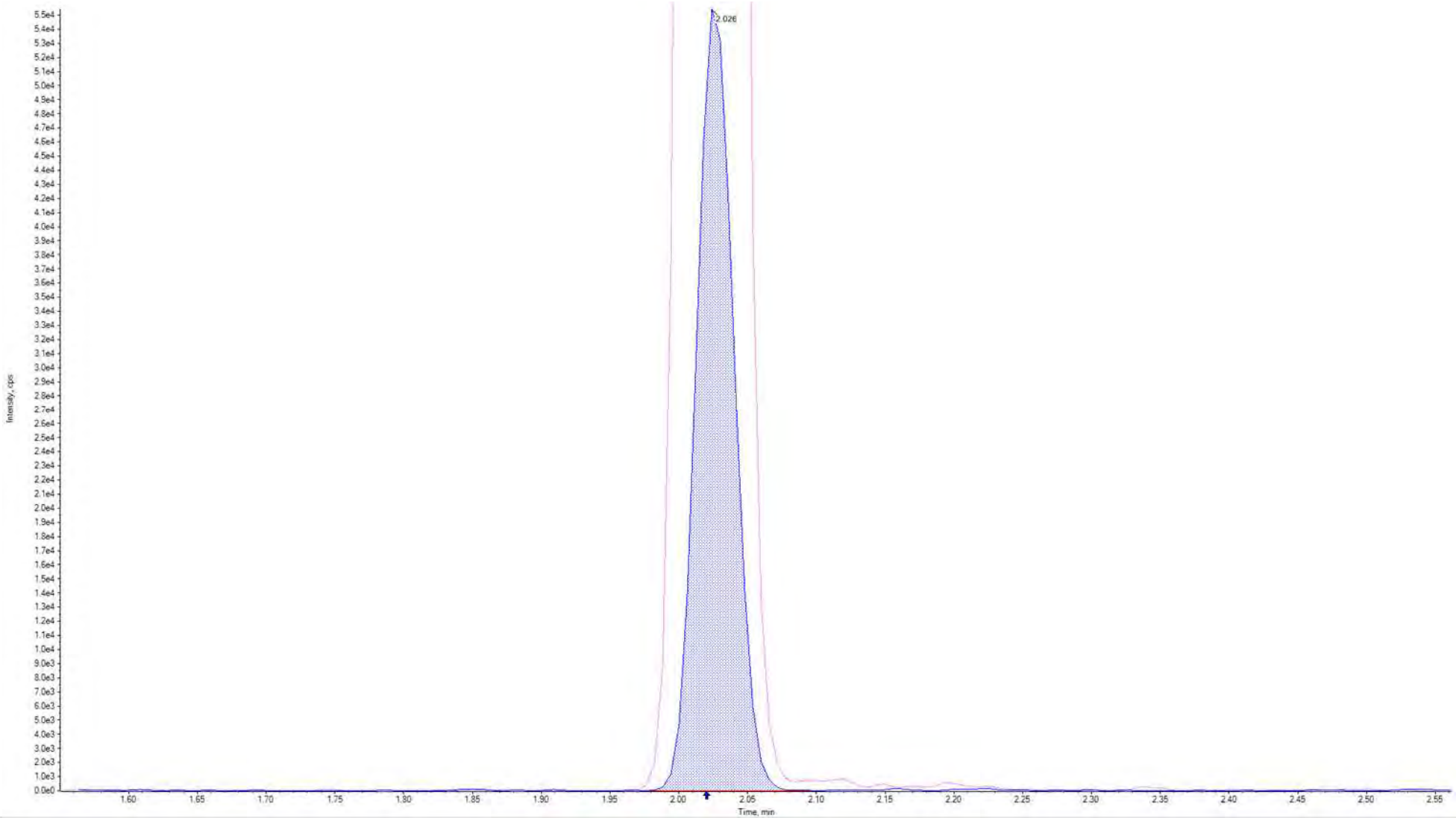
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

HFPO-DA
Sample: IA1633STD-.2 S/N:1249.9 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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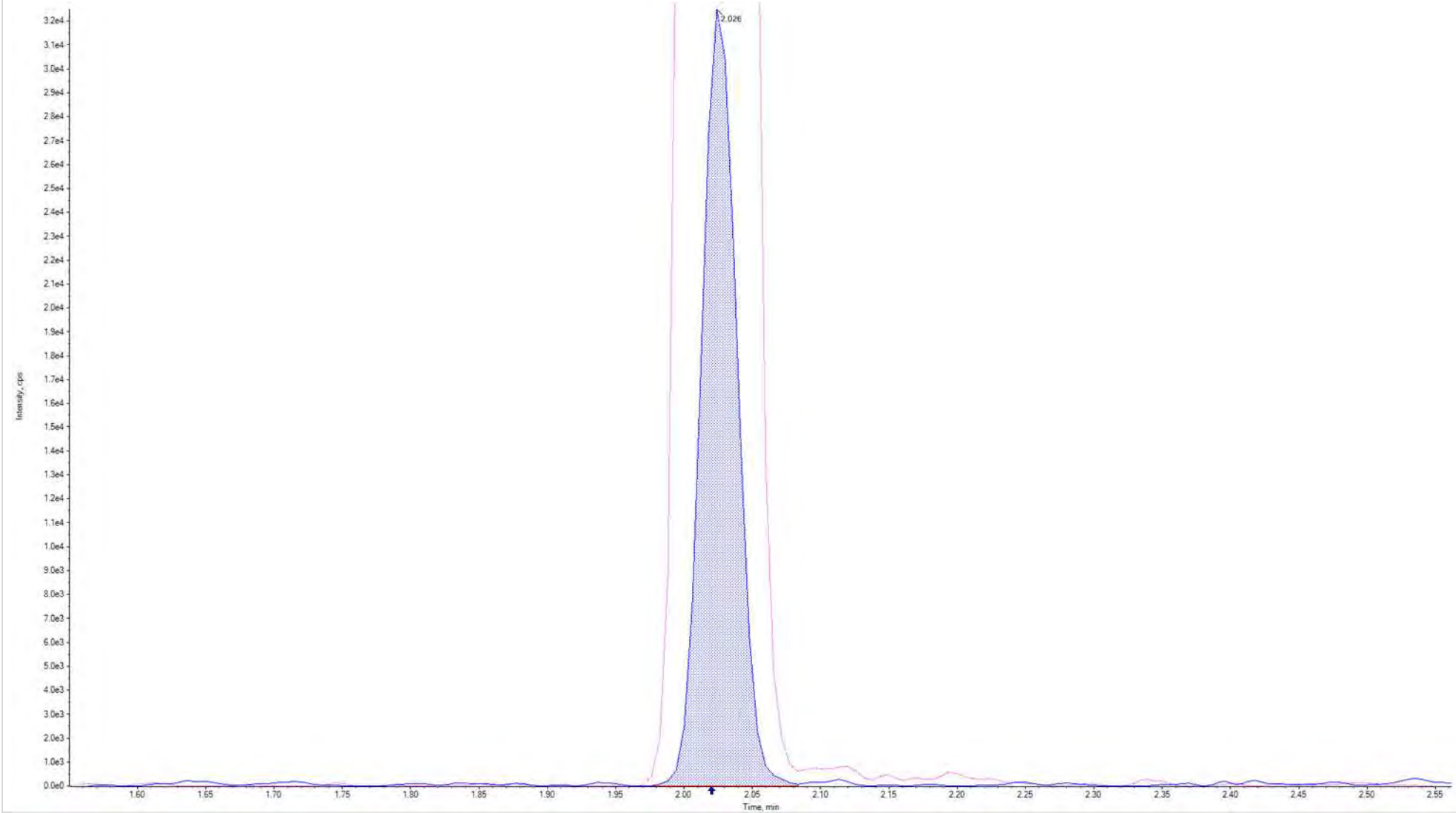
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

HFPO-DA_2
Sample: IA1633STD-.2 S/N:733.1 Points Across peak:20



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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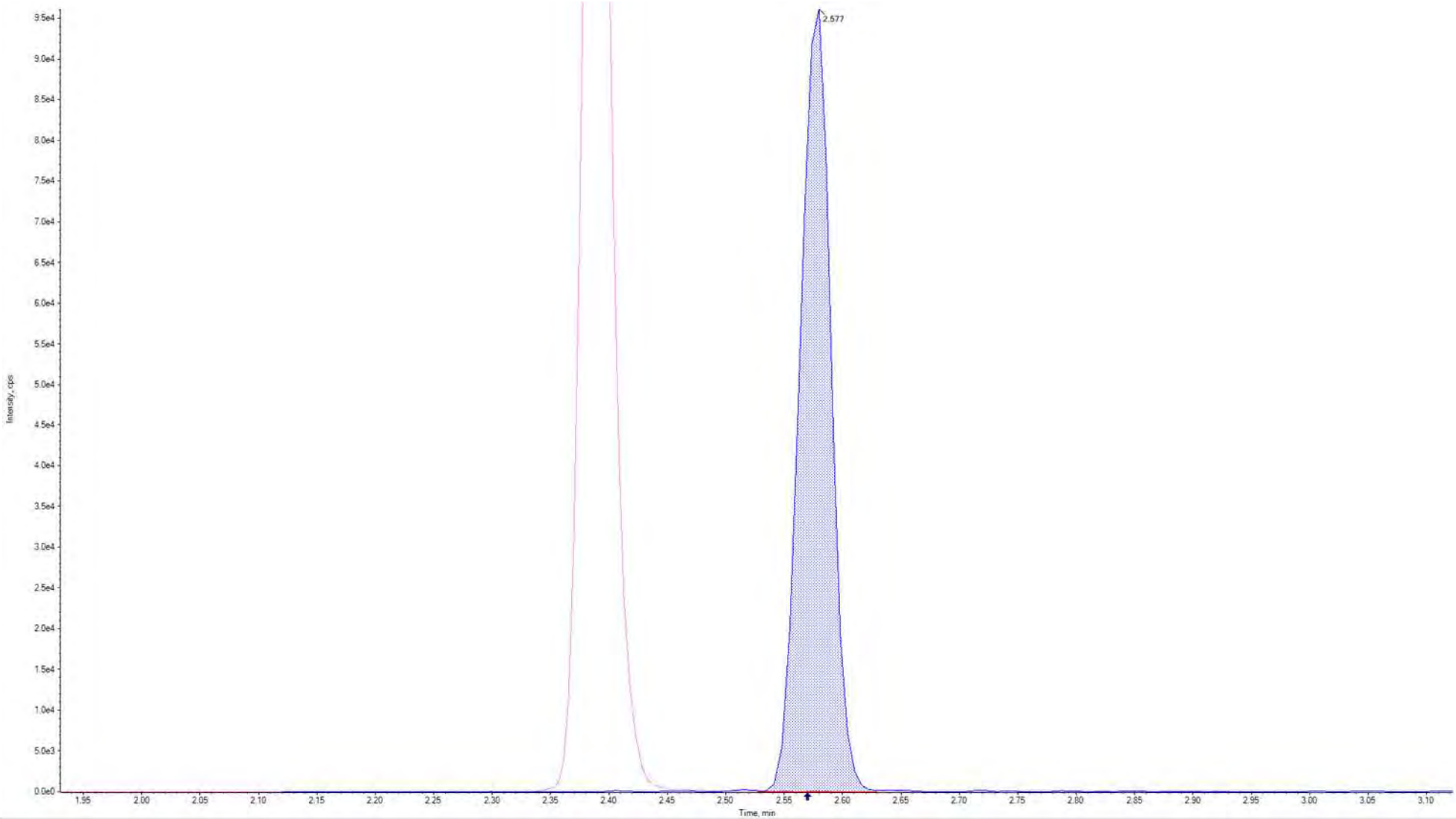
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

ADONA
Sample: IA1633STD-.2 S/N:1927.3 Points Across peak:17



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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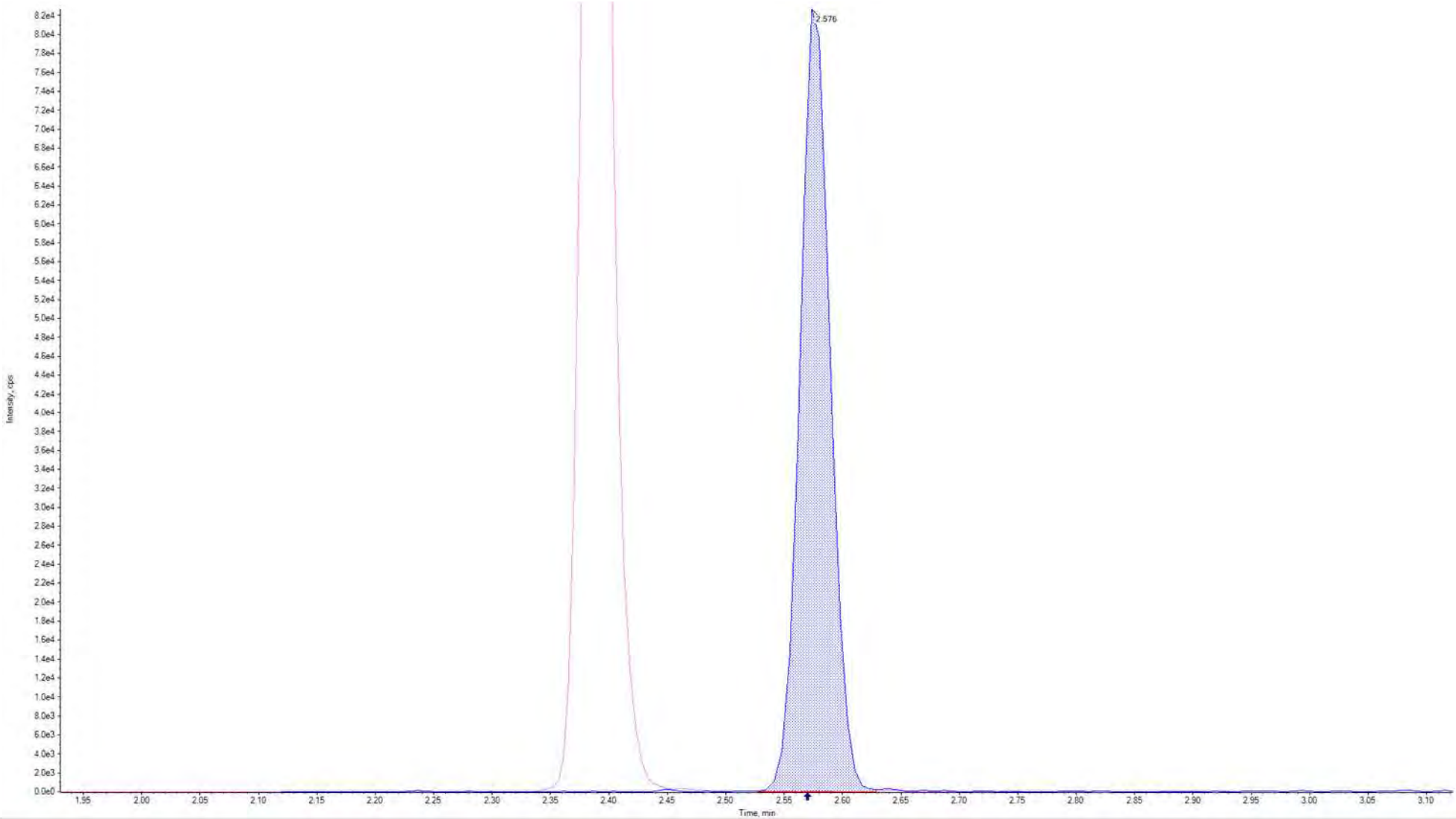
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

ADONA_2
Sample: IA1633STD-.2 S/N:1657.5 Points Across peak:17



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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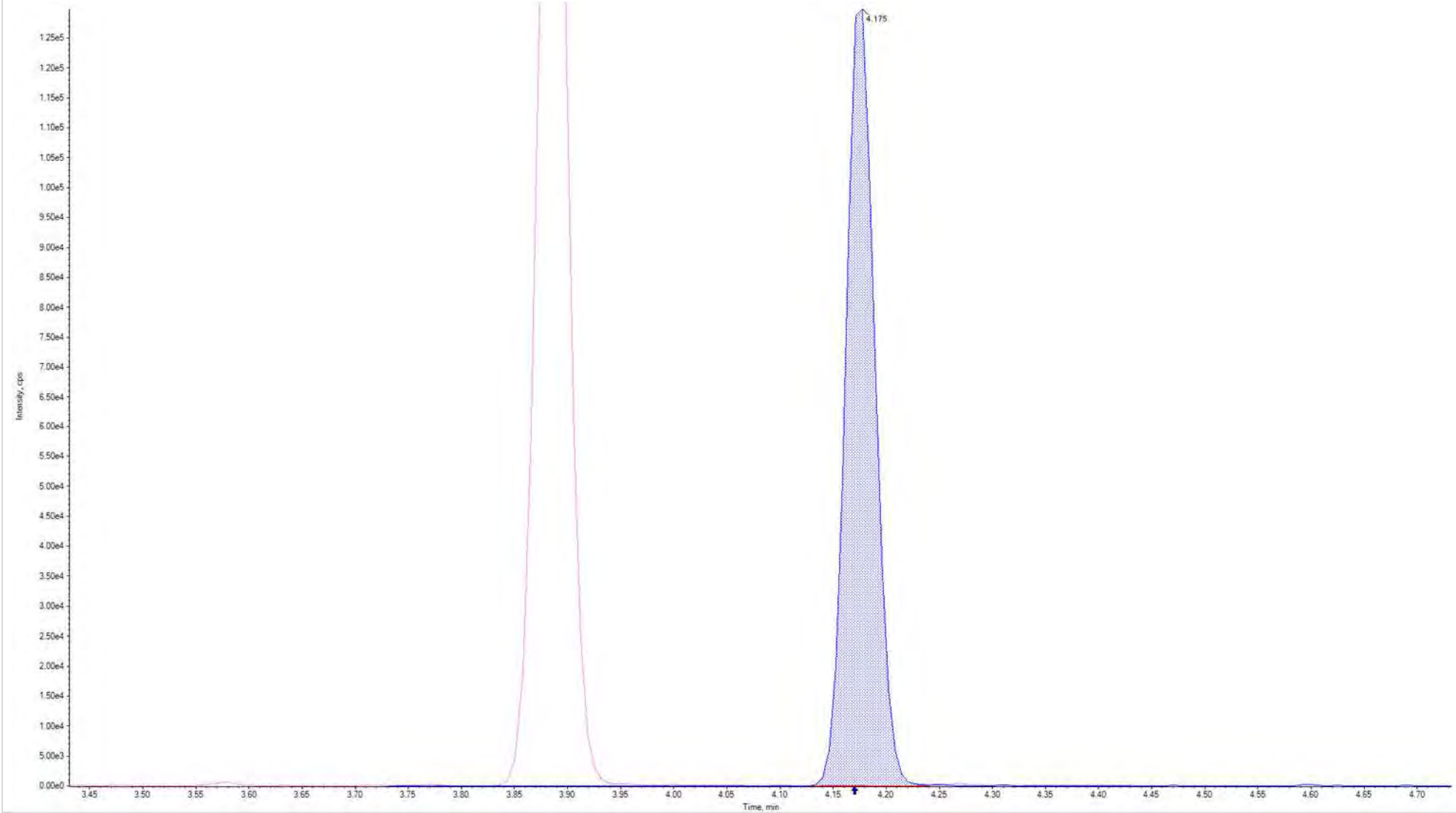
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

9Cl-PF3ONS
Sample: IA1633STD-.2 S/N:2929.1 Points Across peak:20



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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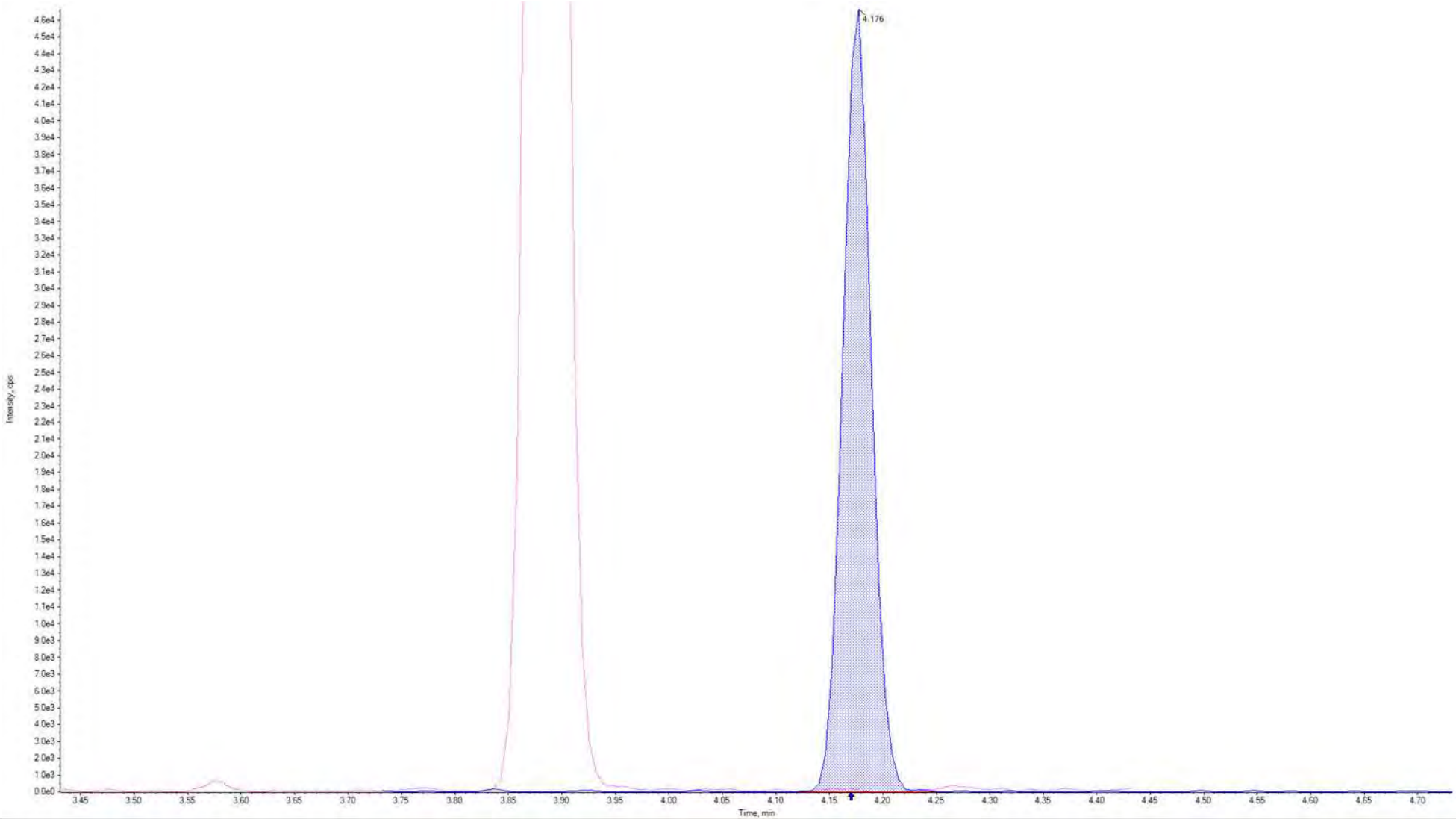
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

9Cl-PF3ONS_2
Sample: IA1633STD-.2 S/N:1052.5 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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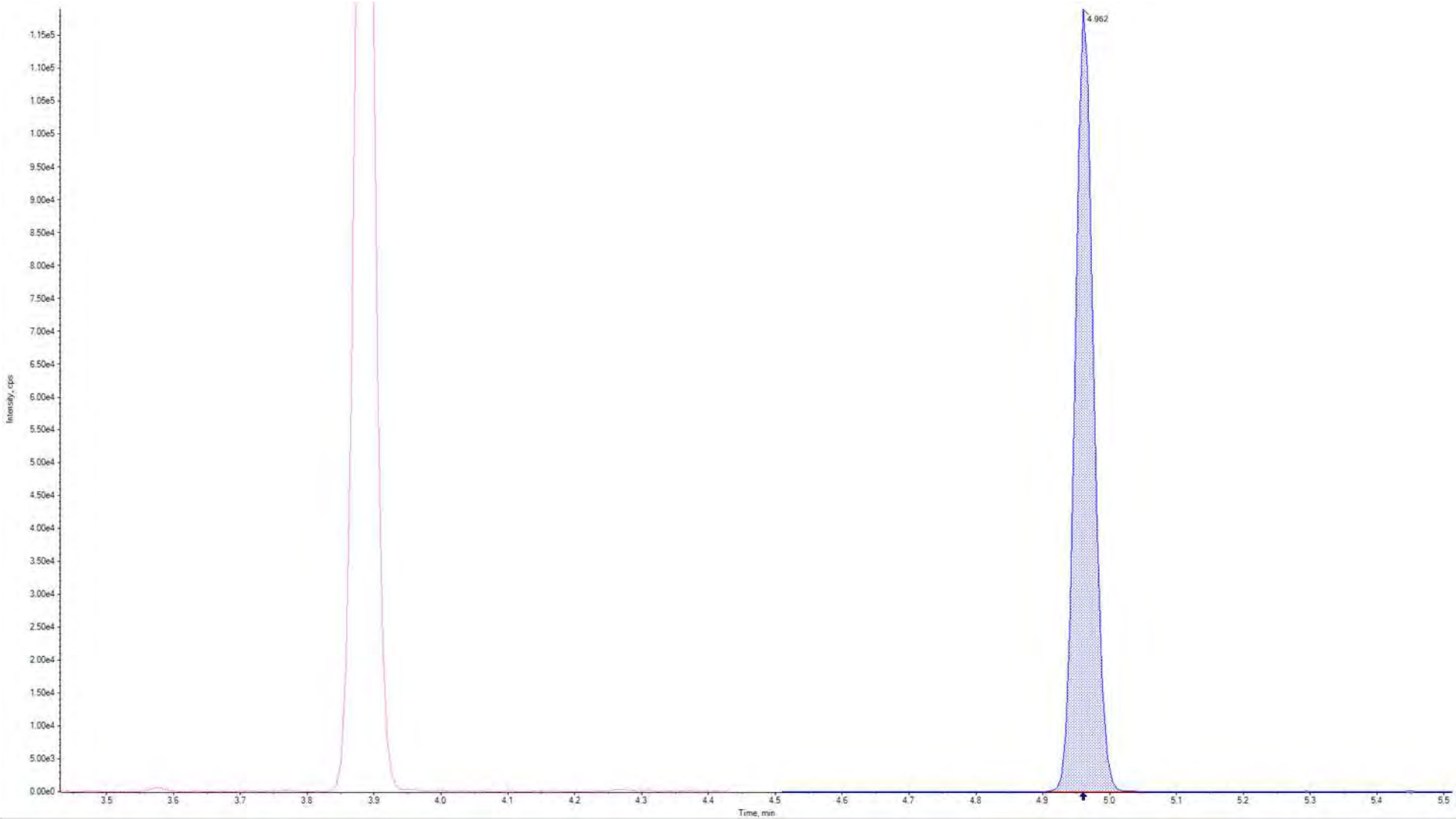
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

11Cl-PF3OUdS
Sample: IA1633STD-.2 S/N:4294.0 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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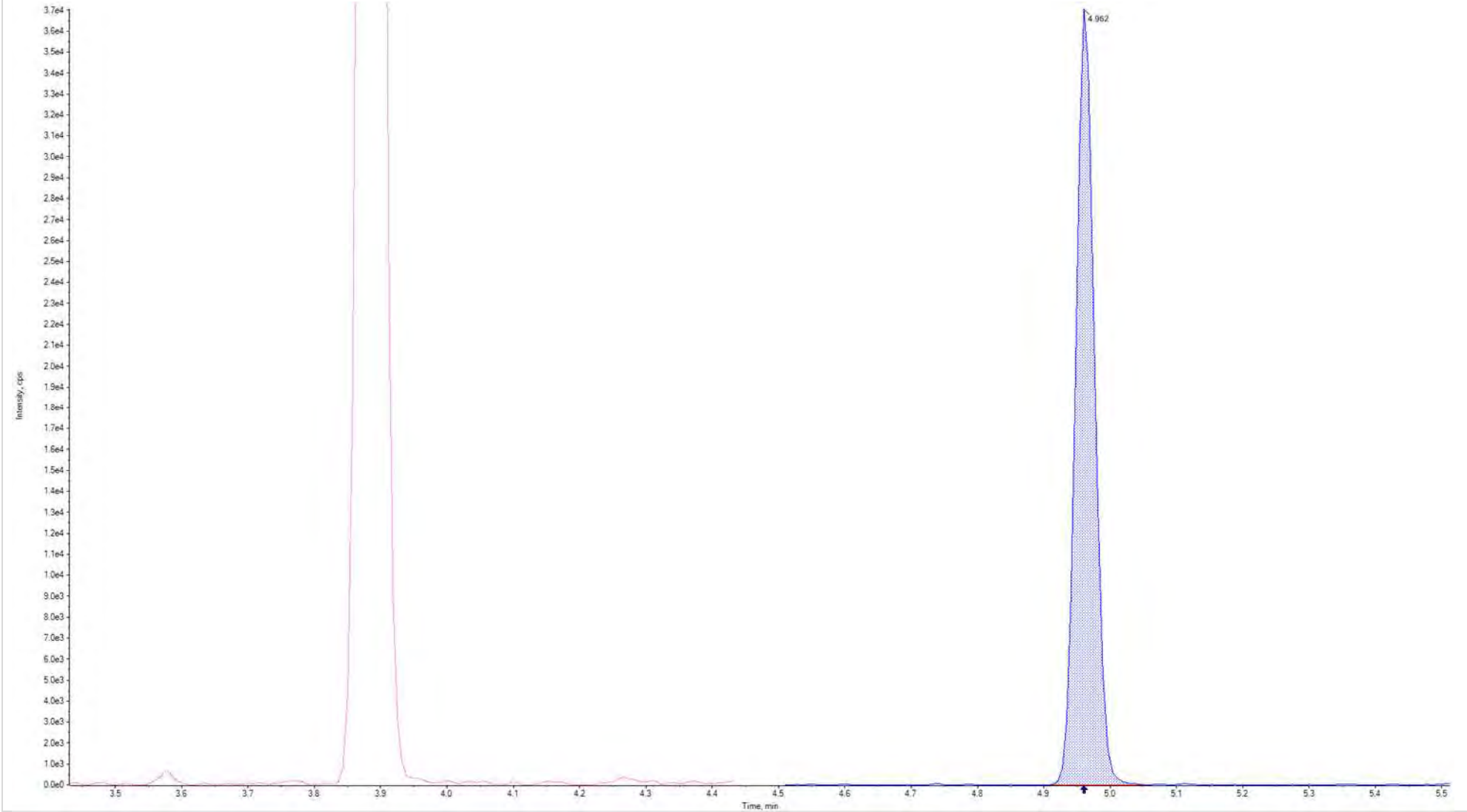
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

11Cl-PF3OUdS_2
Sample: IA1633STD-.2 S/N:1764.5 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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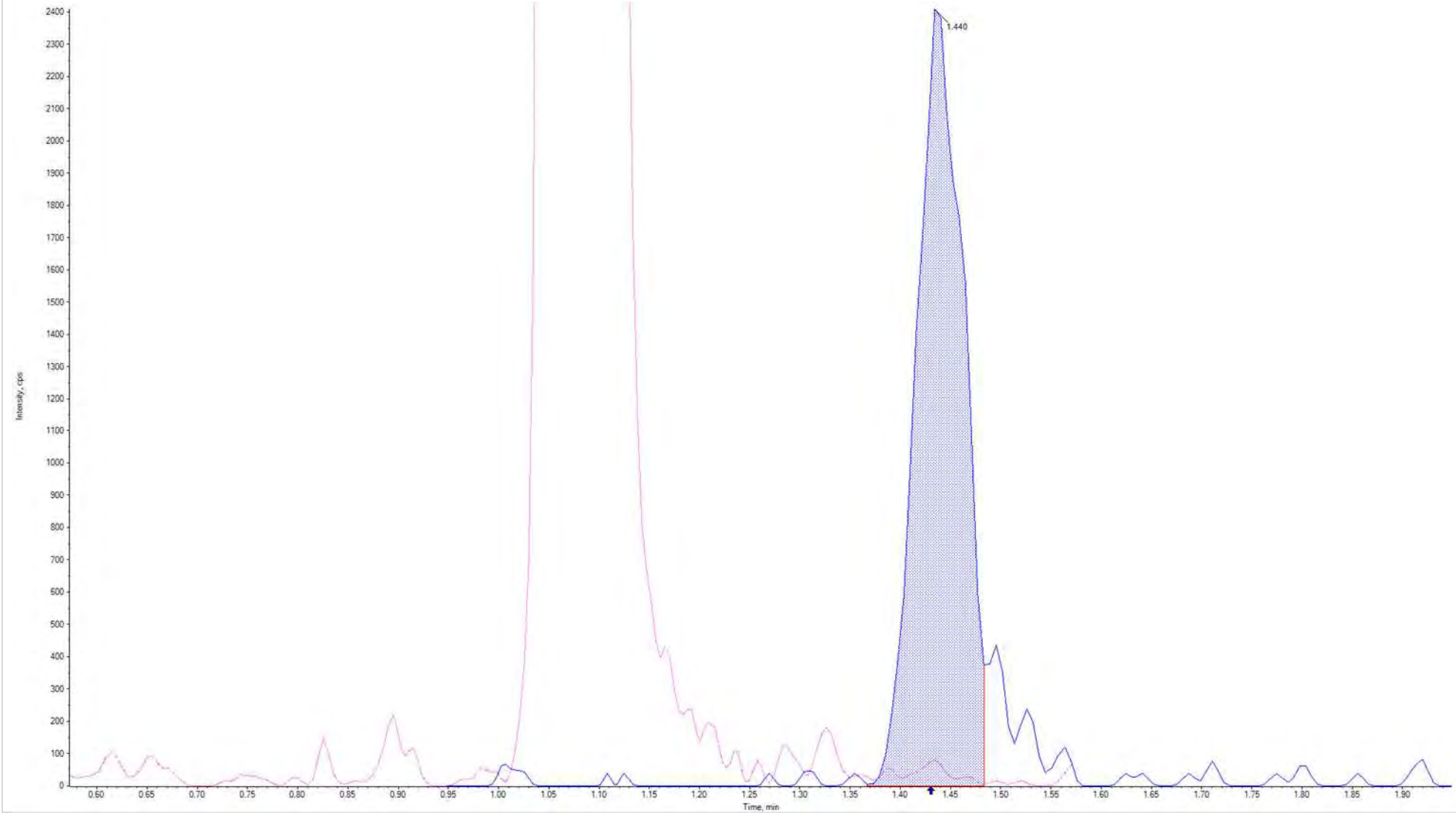
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

3:3FTCA
Sample: IA1633STD-.2 S/N:60.4 Points Across peak:20



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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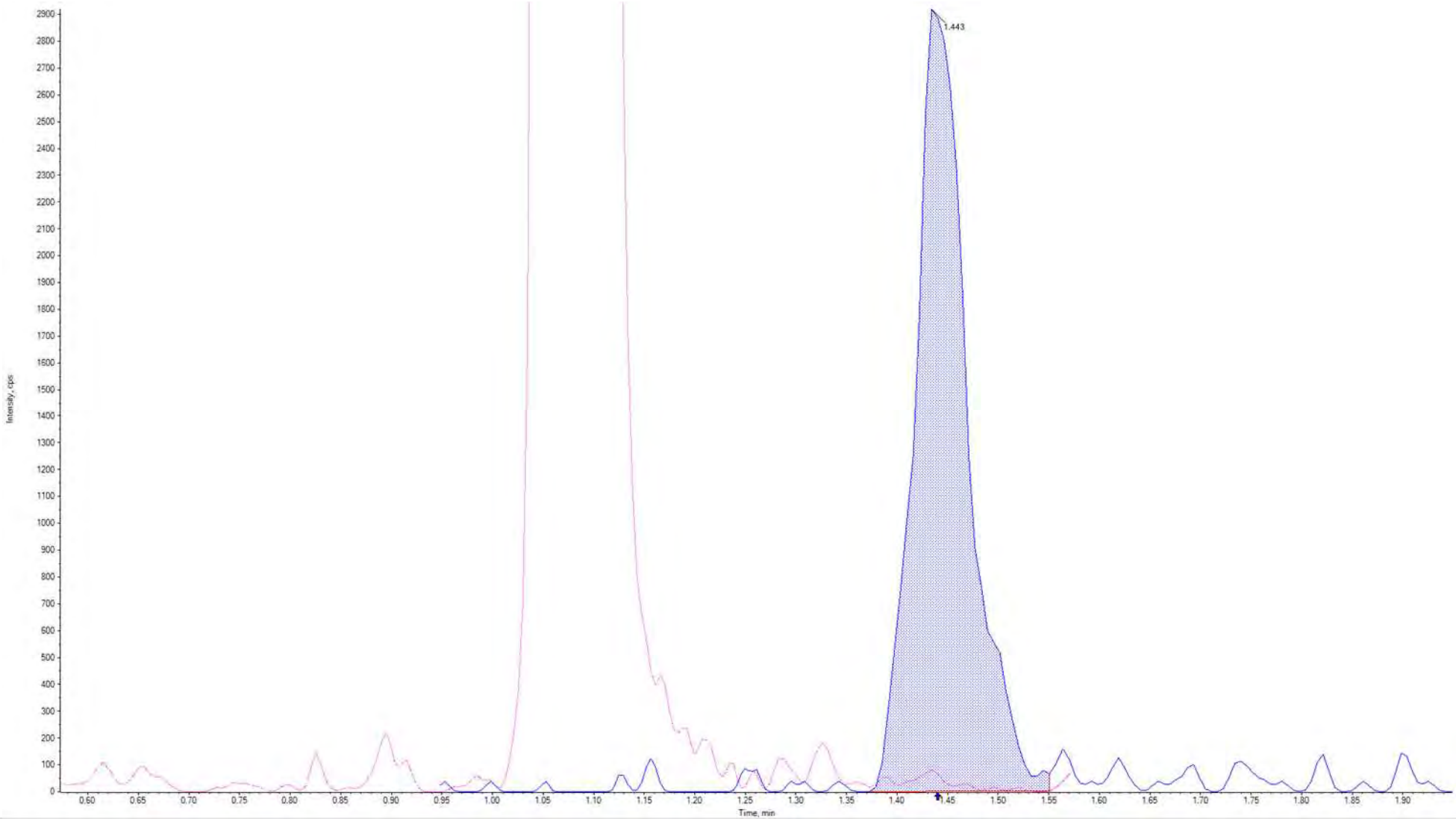
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

3:3FTCA_2
Sample: IA1633STD-.2 S/N:73.2 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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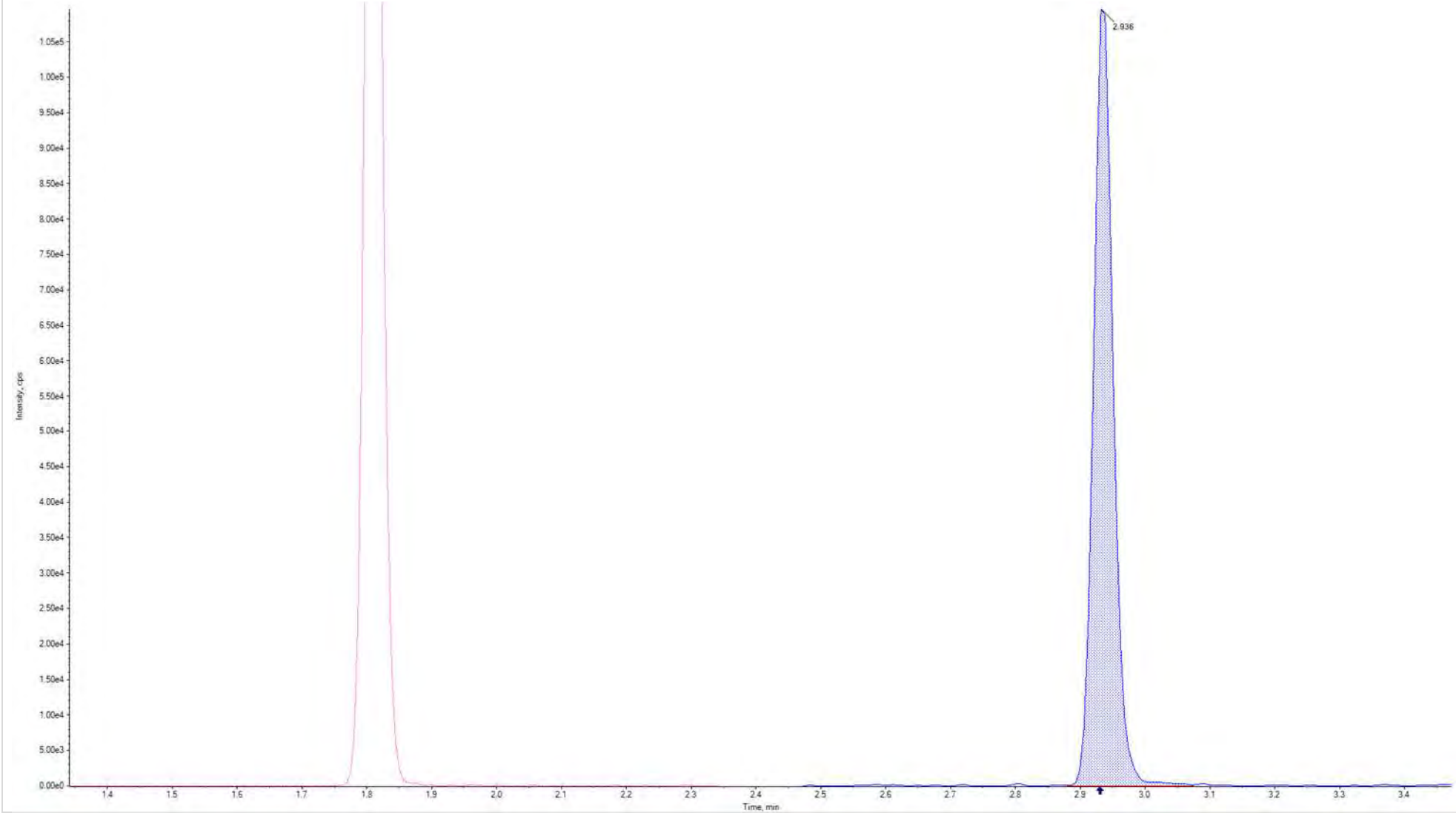
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

5:3FTCA
Sample: IA1633STD-.2 S/N:2472.8 Points Across peak:33



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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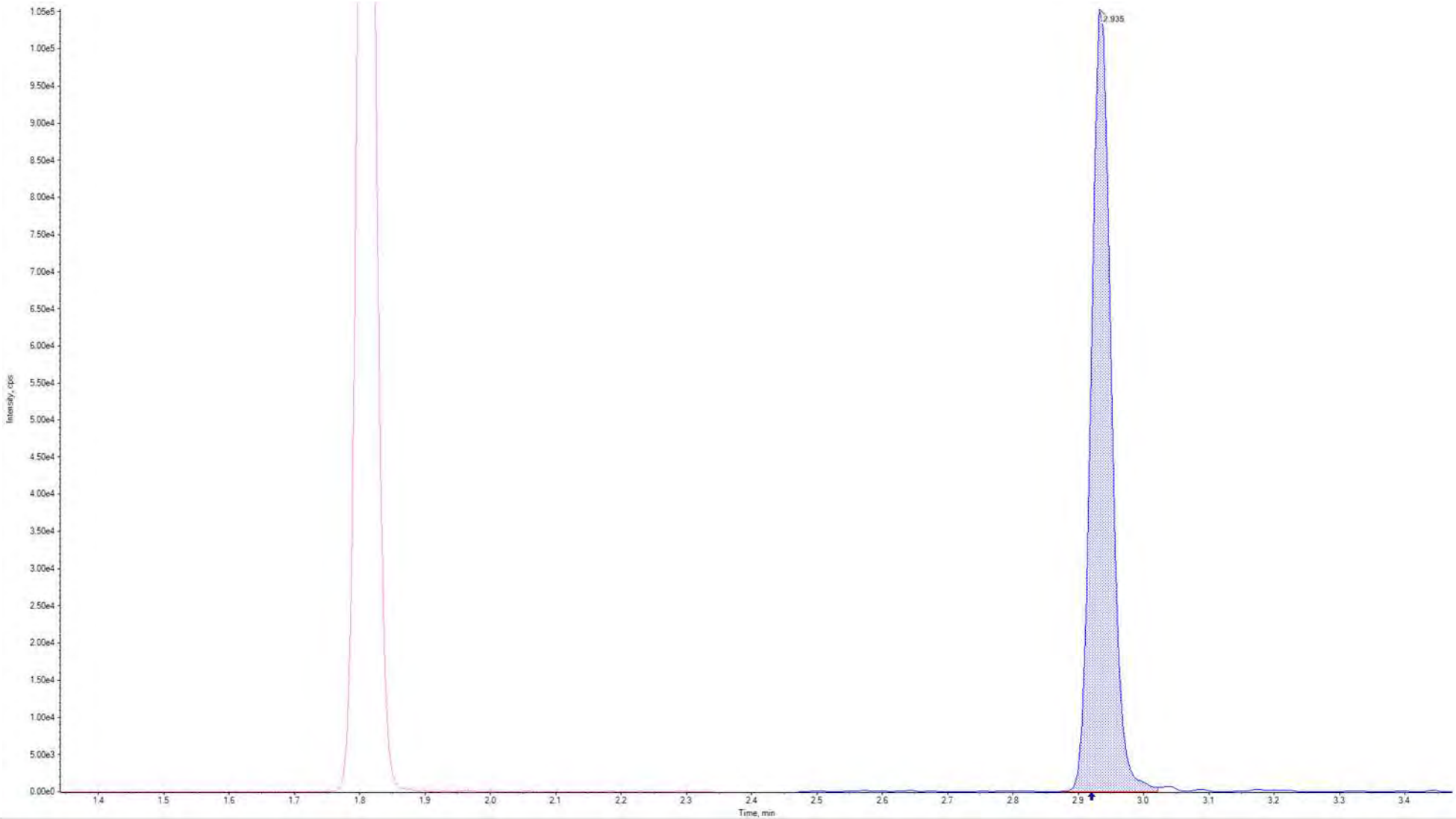
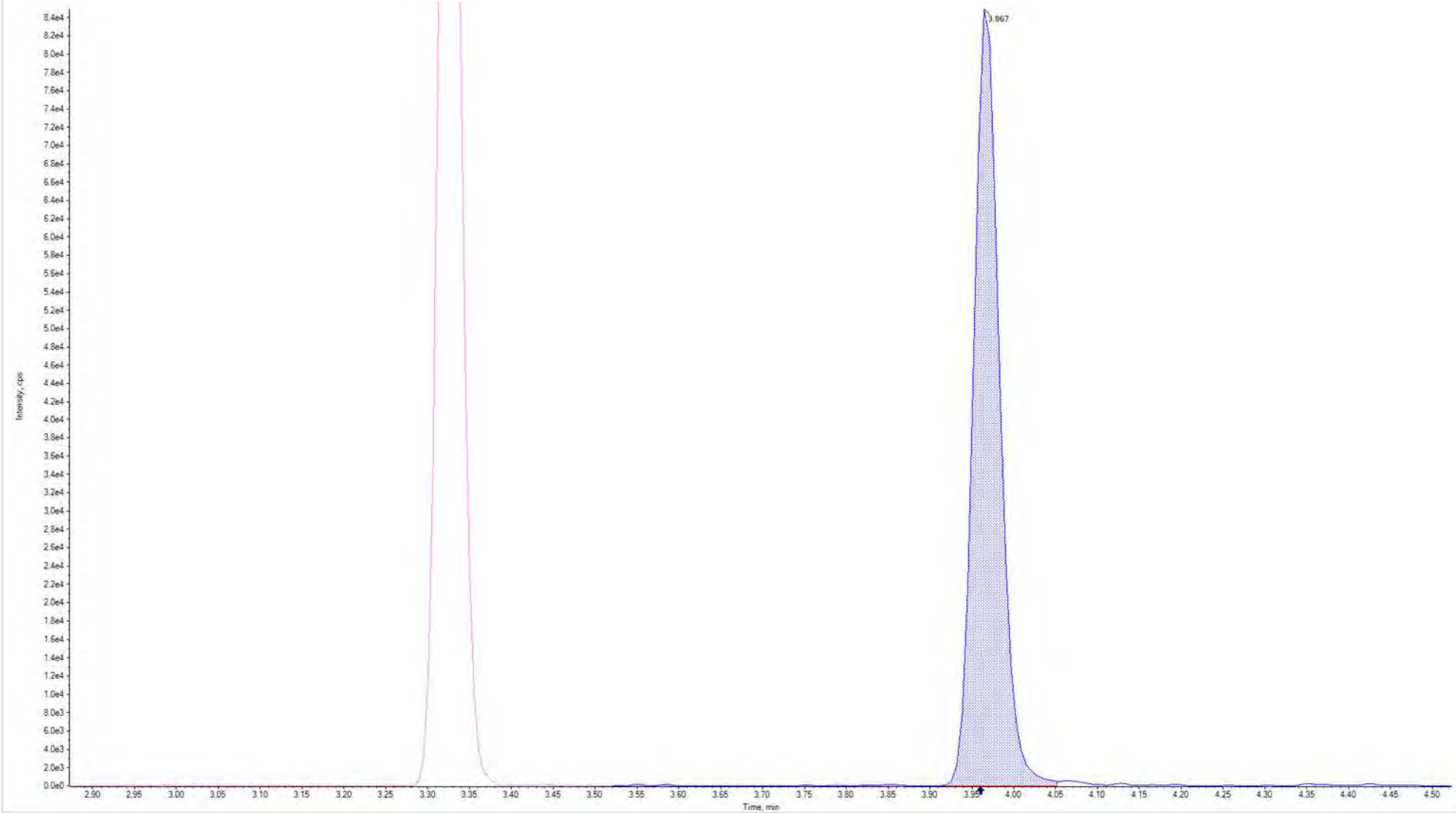
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

5:3FTCA_2
Sample: IA1633STD-.2 S/N:2038.0 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_17.wiff2_2
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

7:3FTCA
Sample: IA1633STD-.2 S/N:2341.1 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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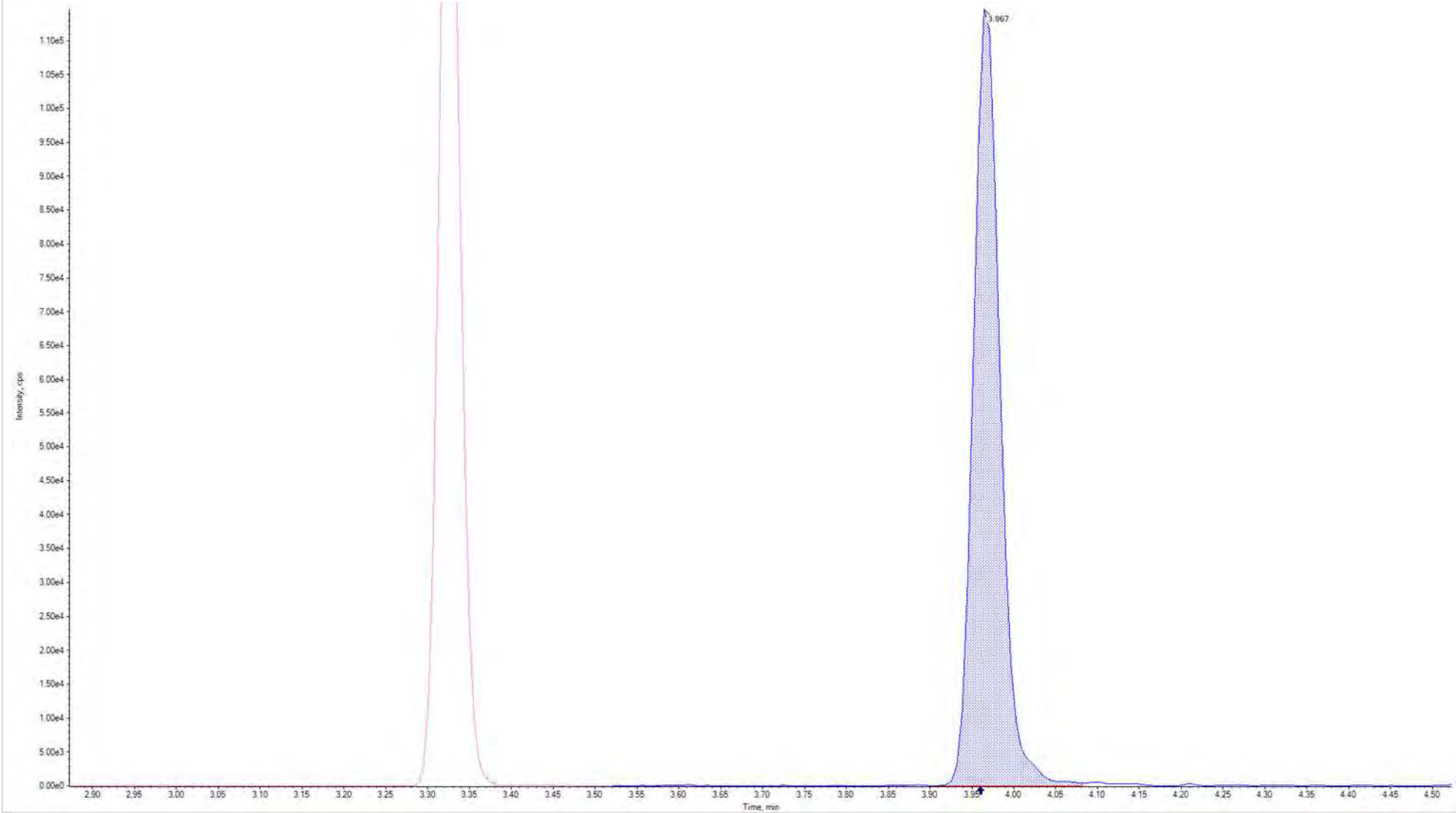
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

7:3FTCA_2
Sample: IA1633STD-.2 S/N:3161.4 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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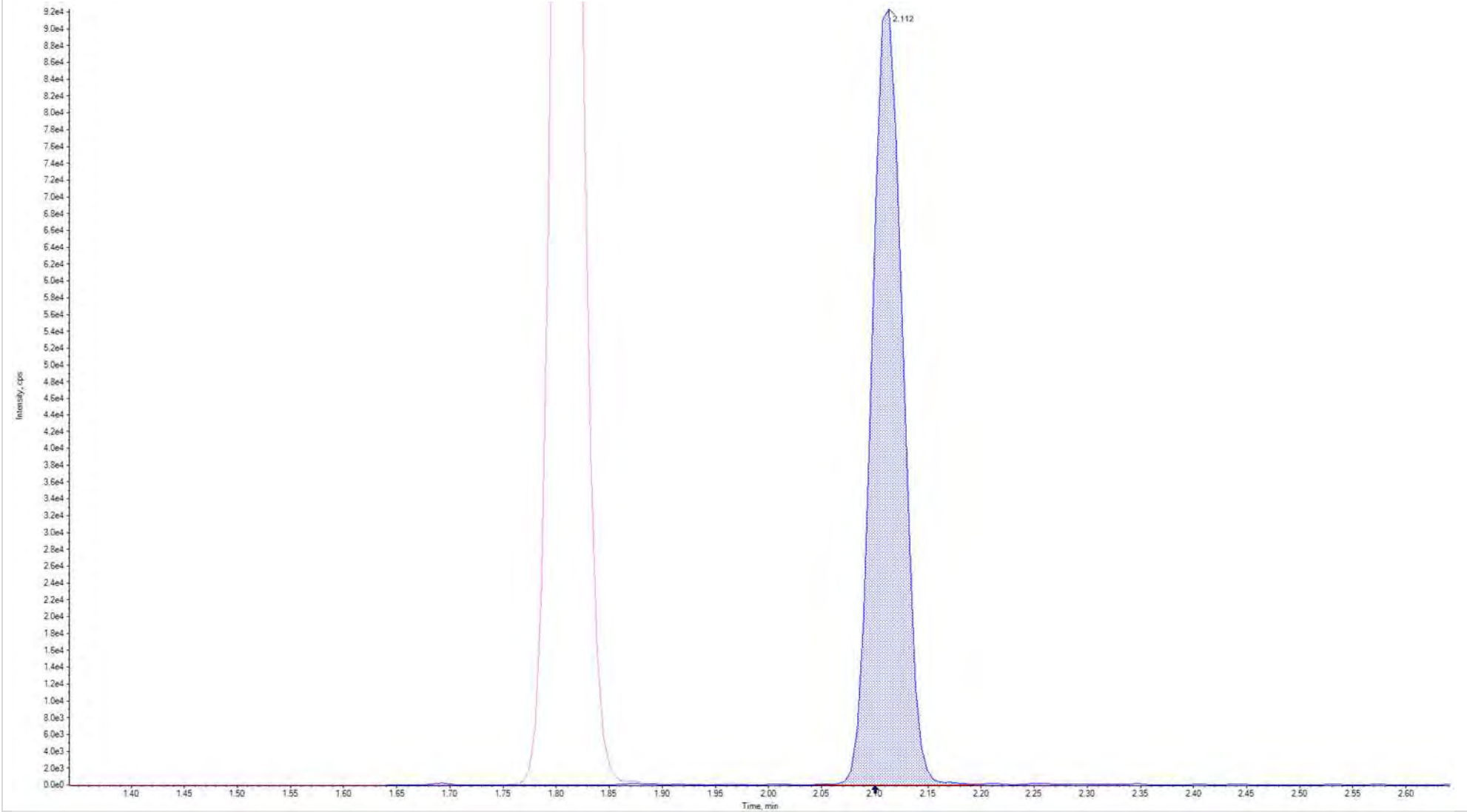
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFEESA
Sample: IA1633STD-.2 S/N:2083.2 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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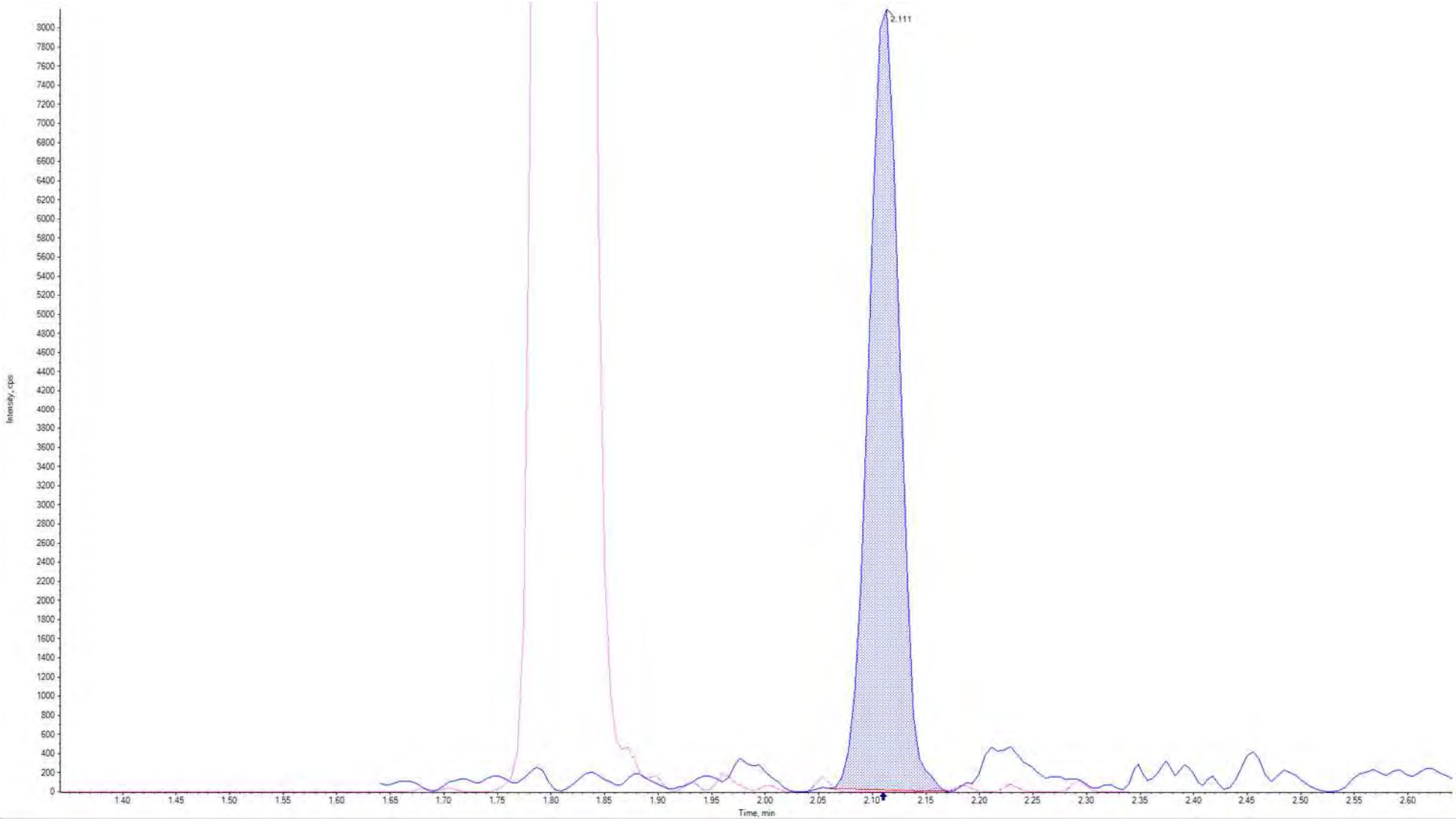
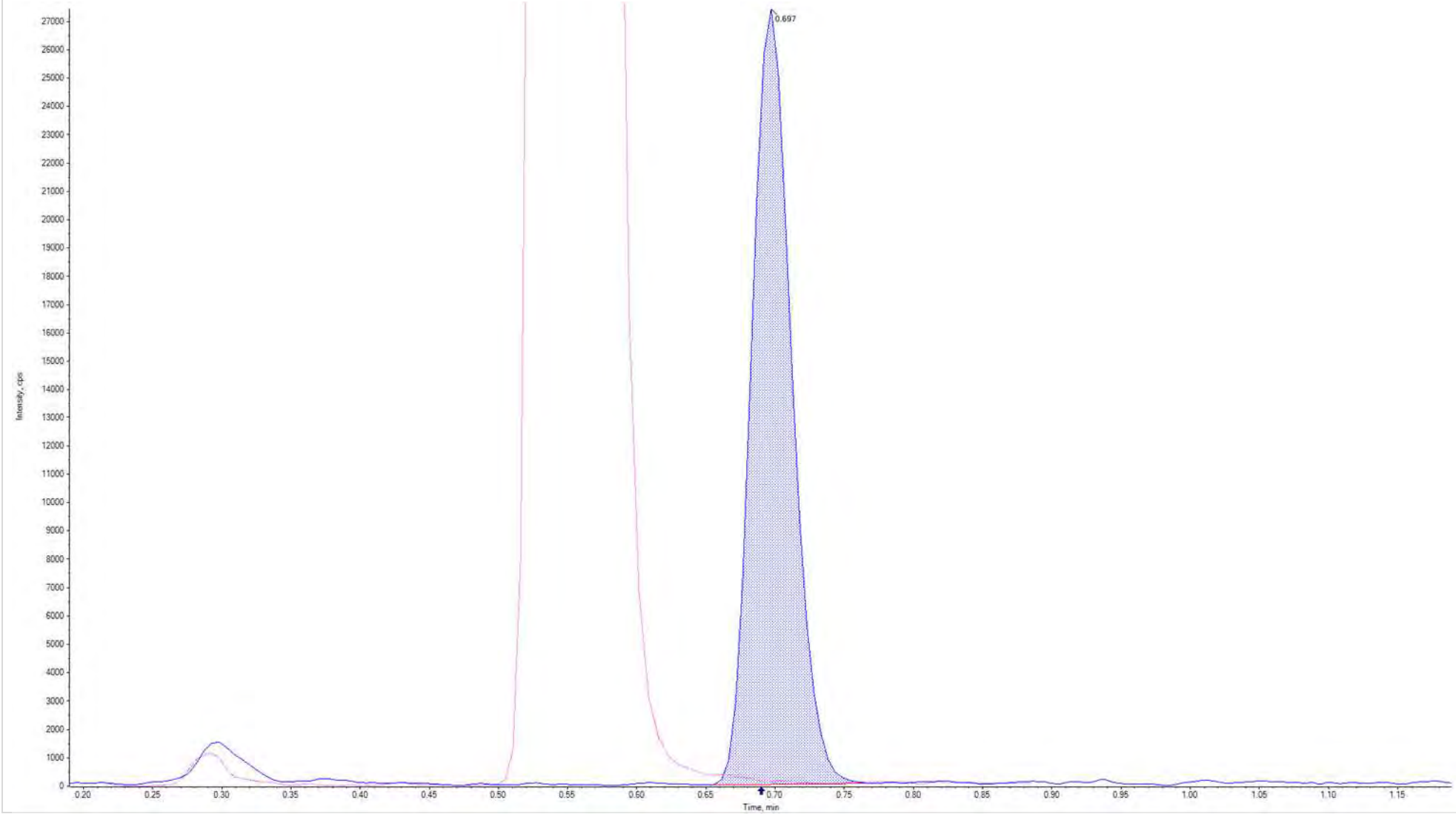
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFEESA_2
Sample: IA1633STD-.2 S/N:184.5 Points Across peak:20



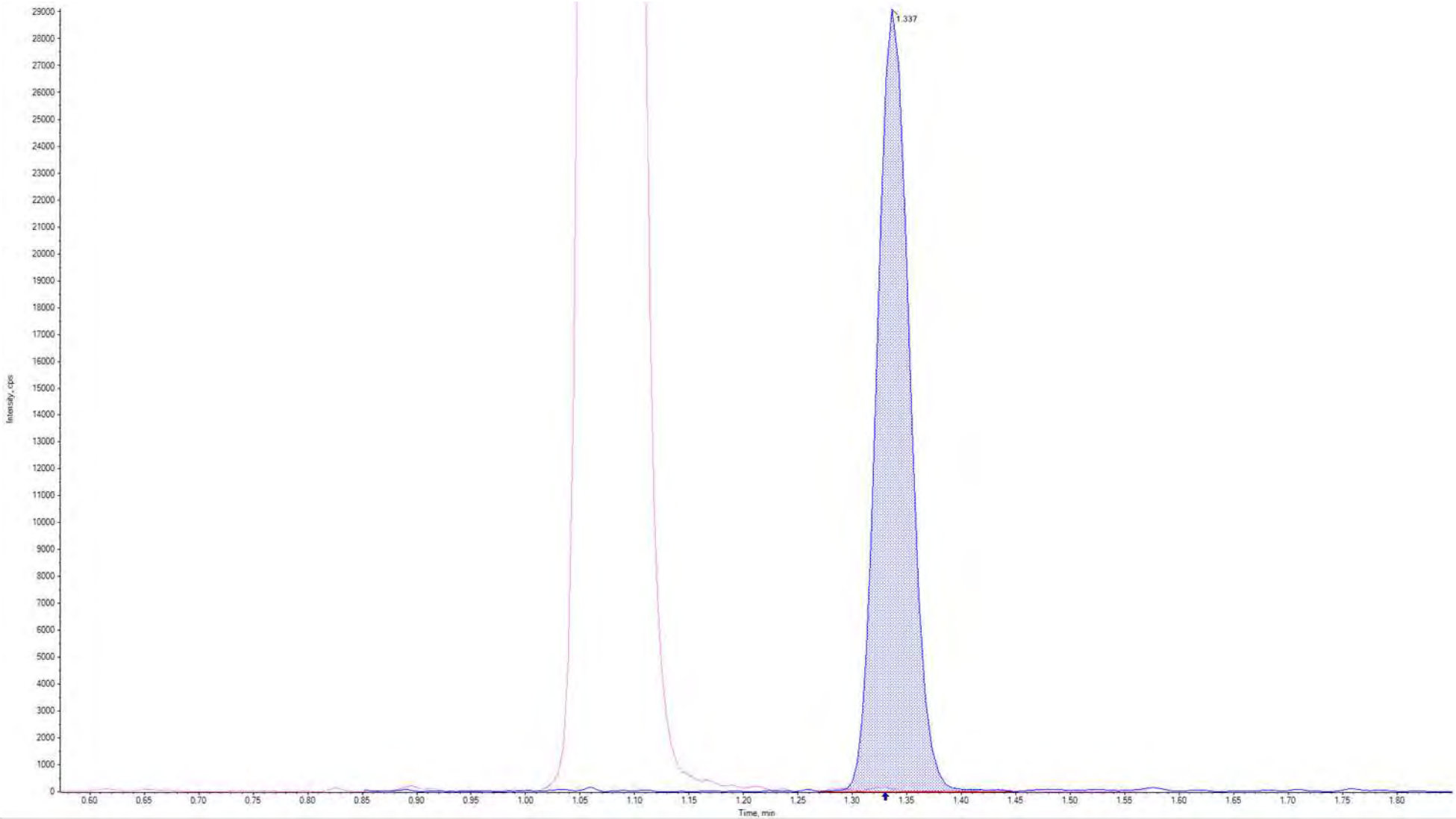
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_17.wiff2_2
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFMPA
Sample: IA1633STD-.2 S/N:1440.1 Points Across peak:24



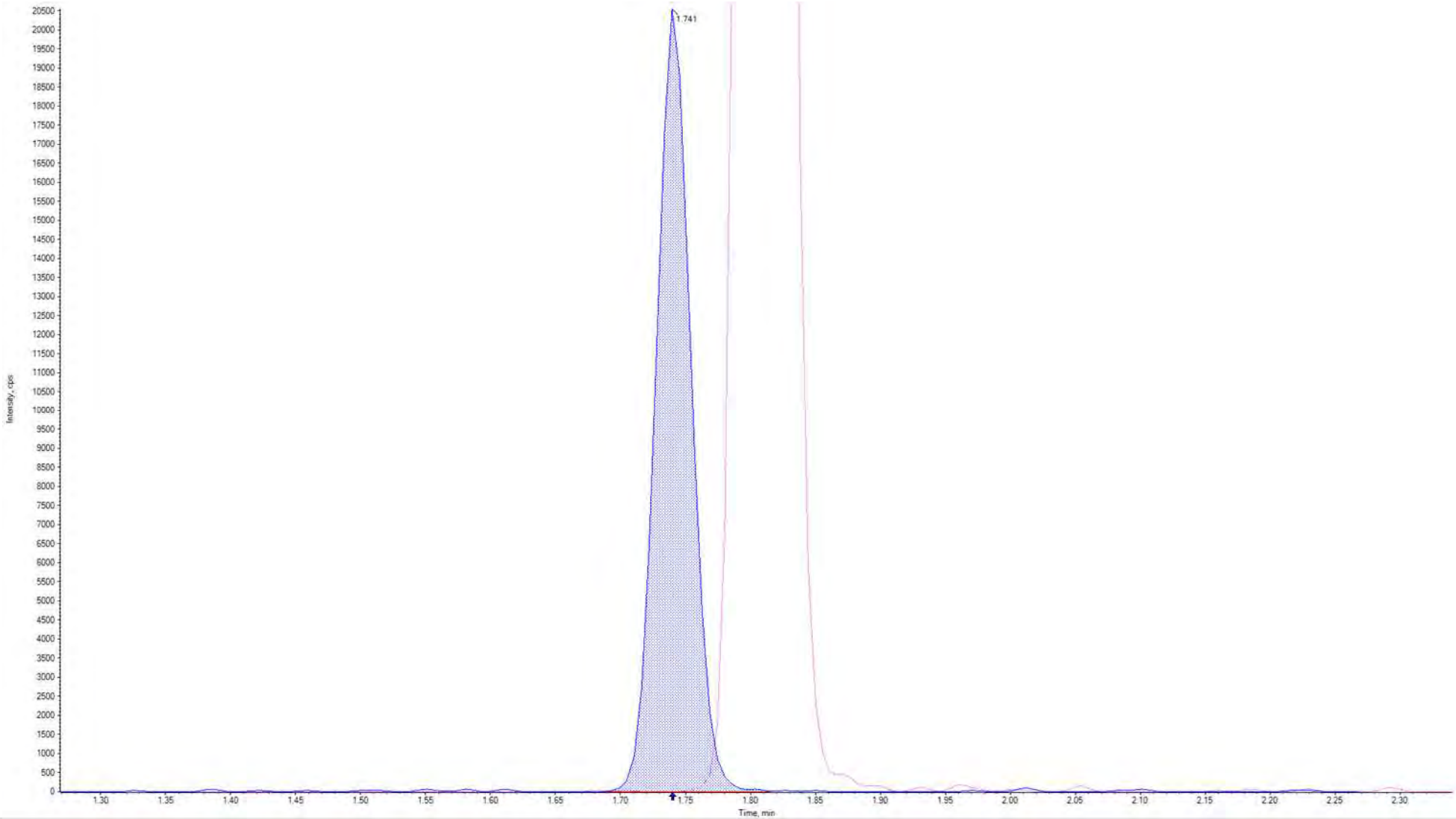
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_17.wiff2_2
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFMBA
Sample: IA1633STD-.2 S/N:1676.7 Points Across peak:34



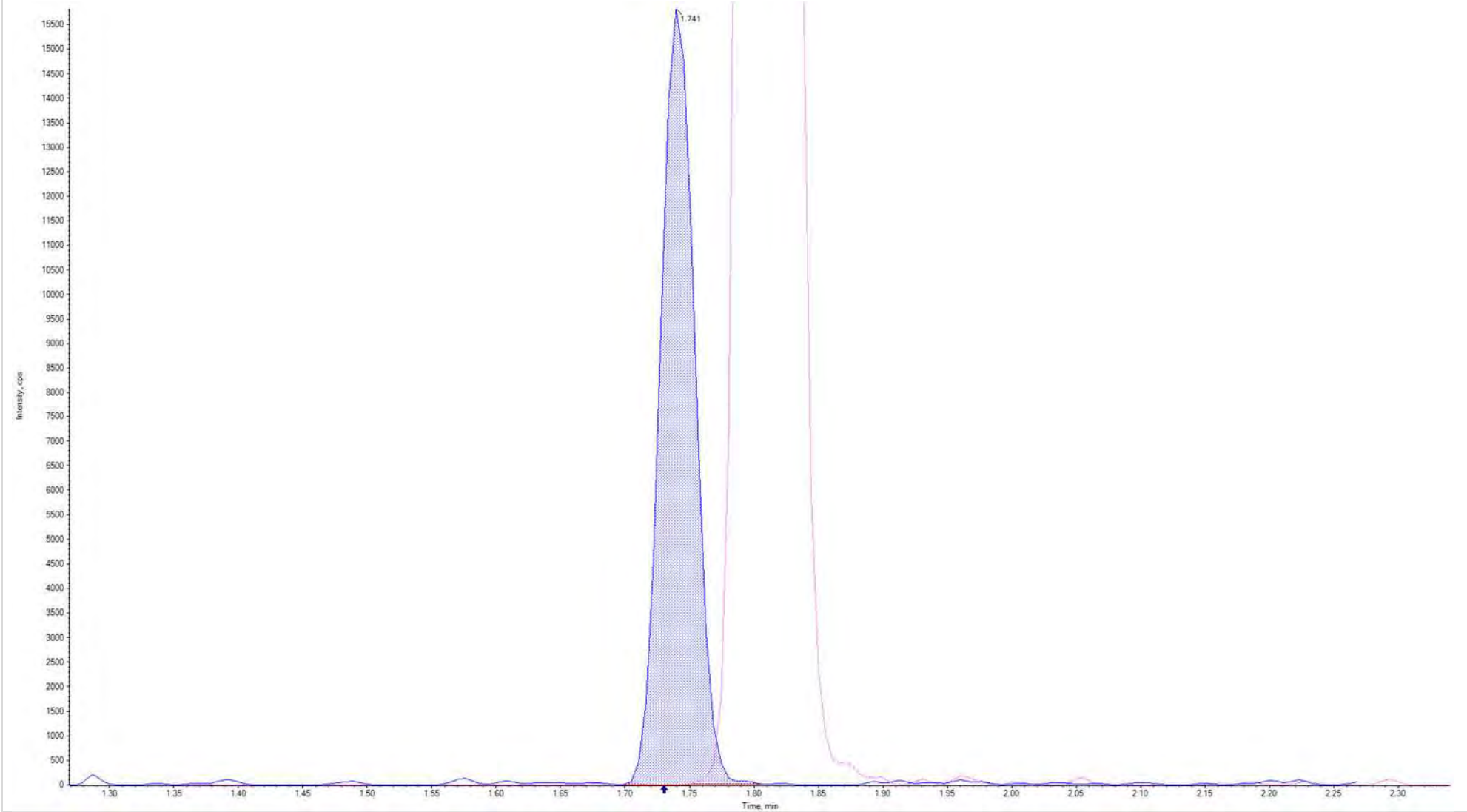
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_17.wiff2_2
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NFDHA
Sample: IA1633STD-.2 S/N:566.5 Points Across peak:28



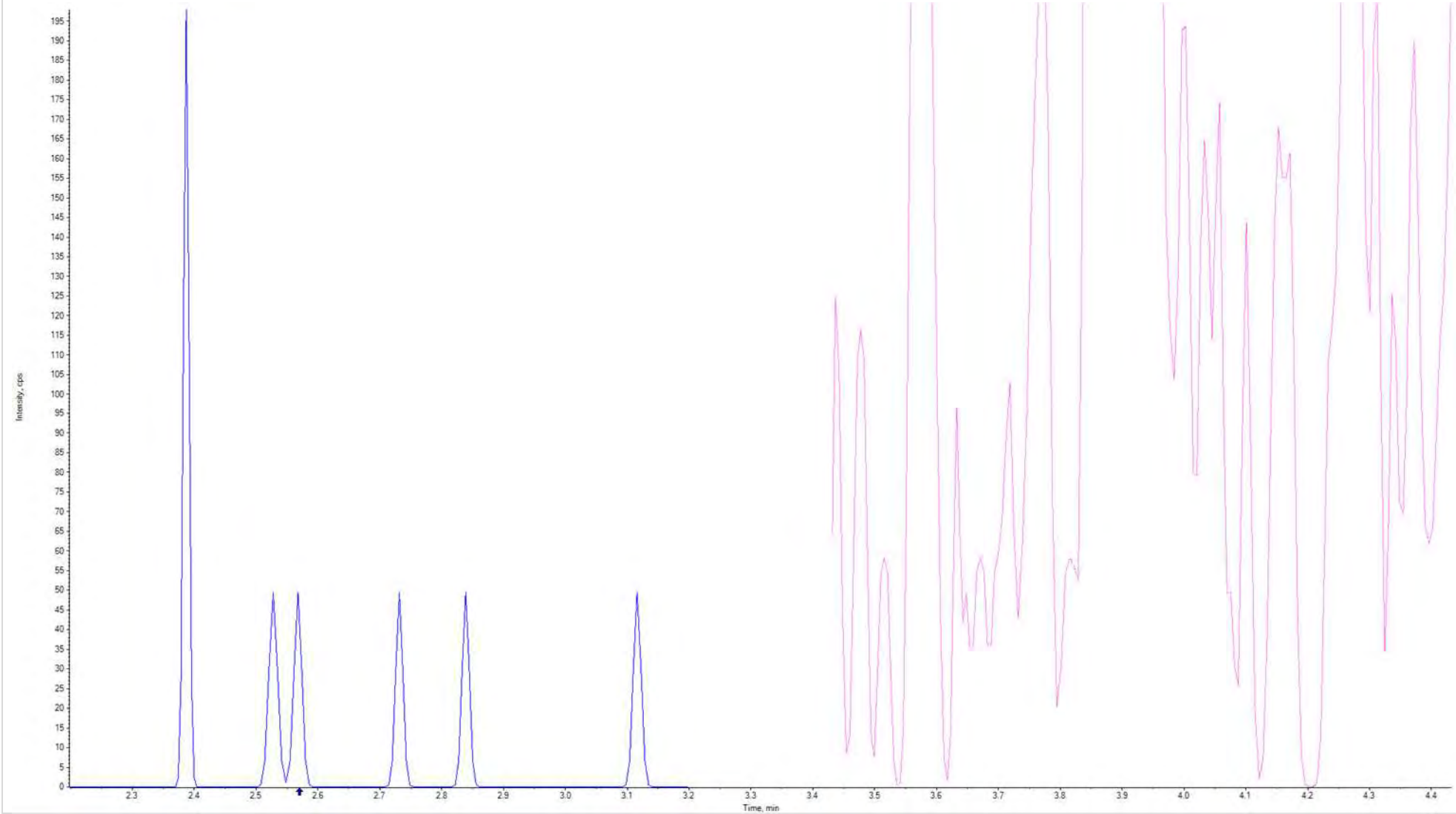
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_17.wiff2_2
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NFDHA_2
Sample: IA1633STD-.2 S/N:436.0 Points Across peak:21



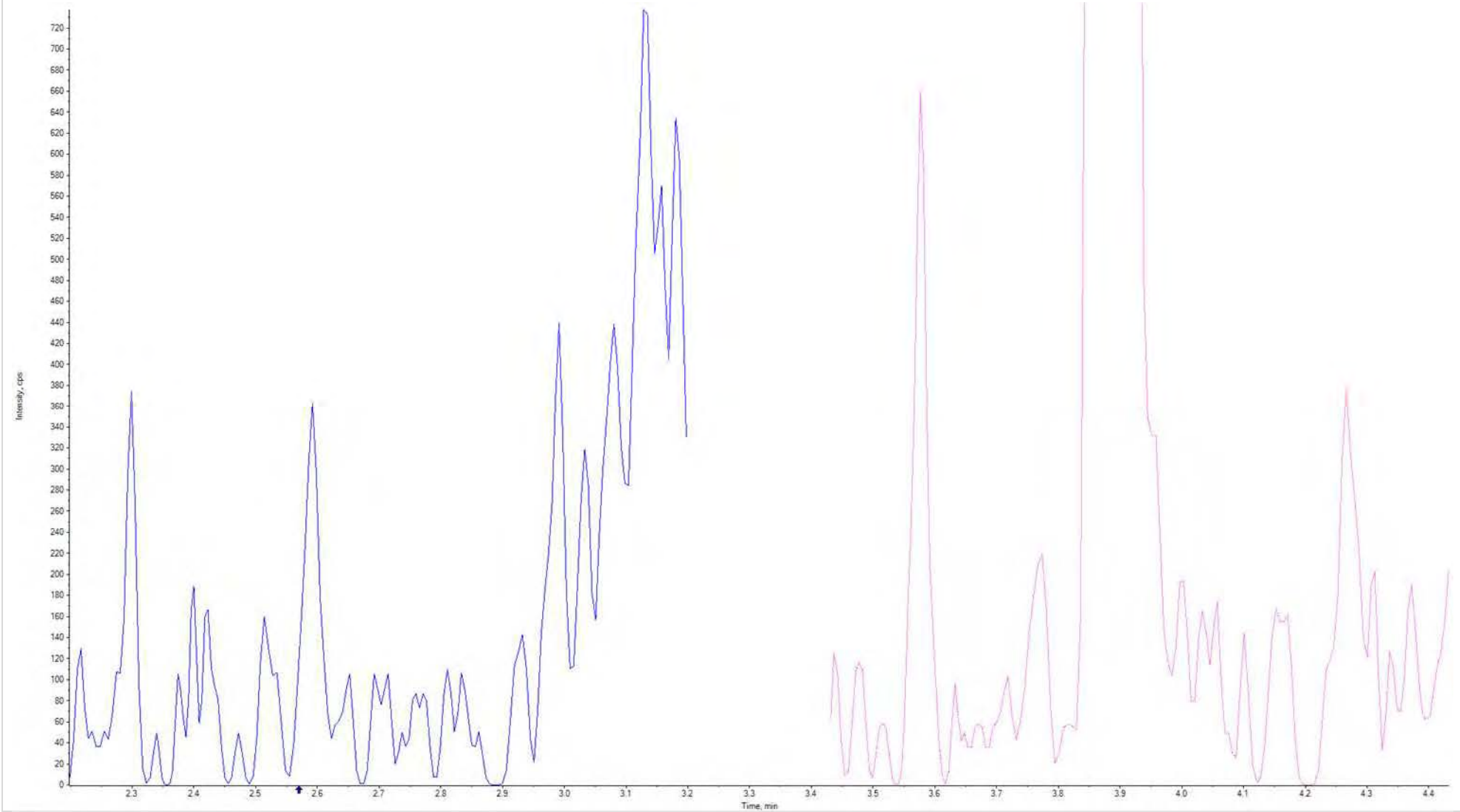
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_17.wiff2_2
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

TDCA
Sample: IA1633STD-.2 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_17.wiff2_2
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

TDCA_2
Sample: IA1633STD-.2 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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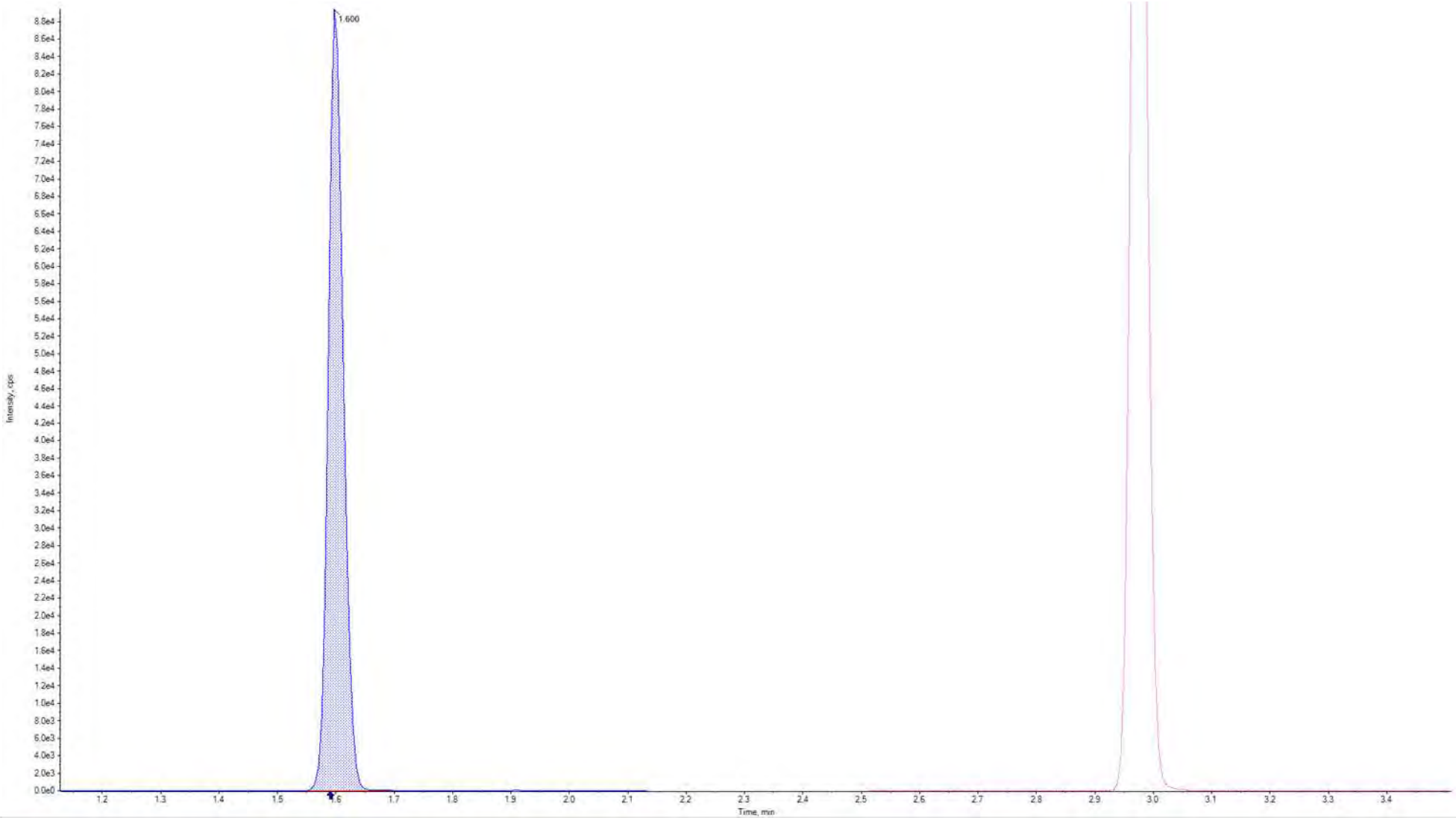
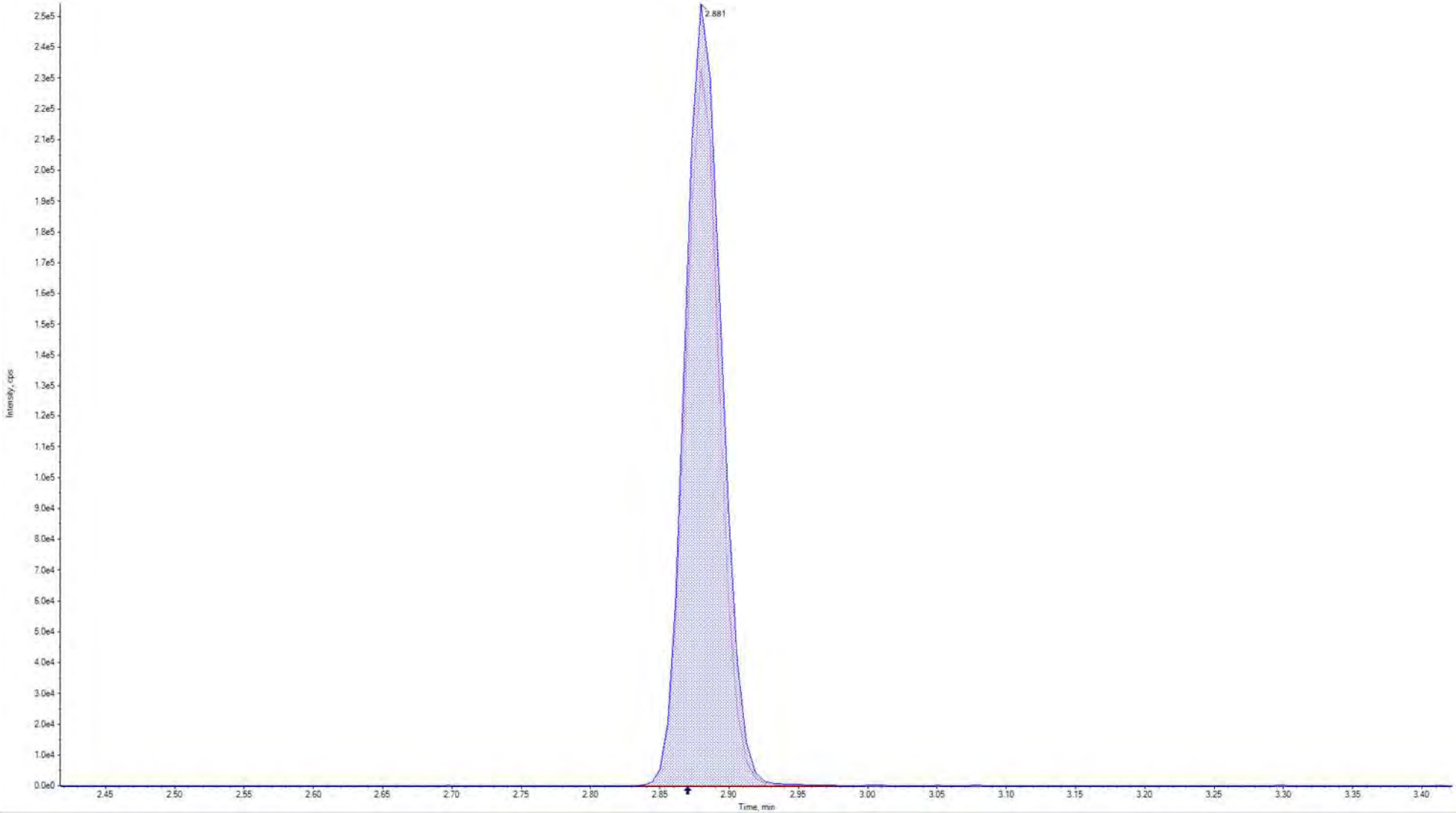
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

13C2D4-4:2FTS
Sample: IA1633STD-.2 S/N:3361.8 Points Across peak:37

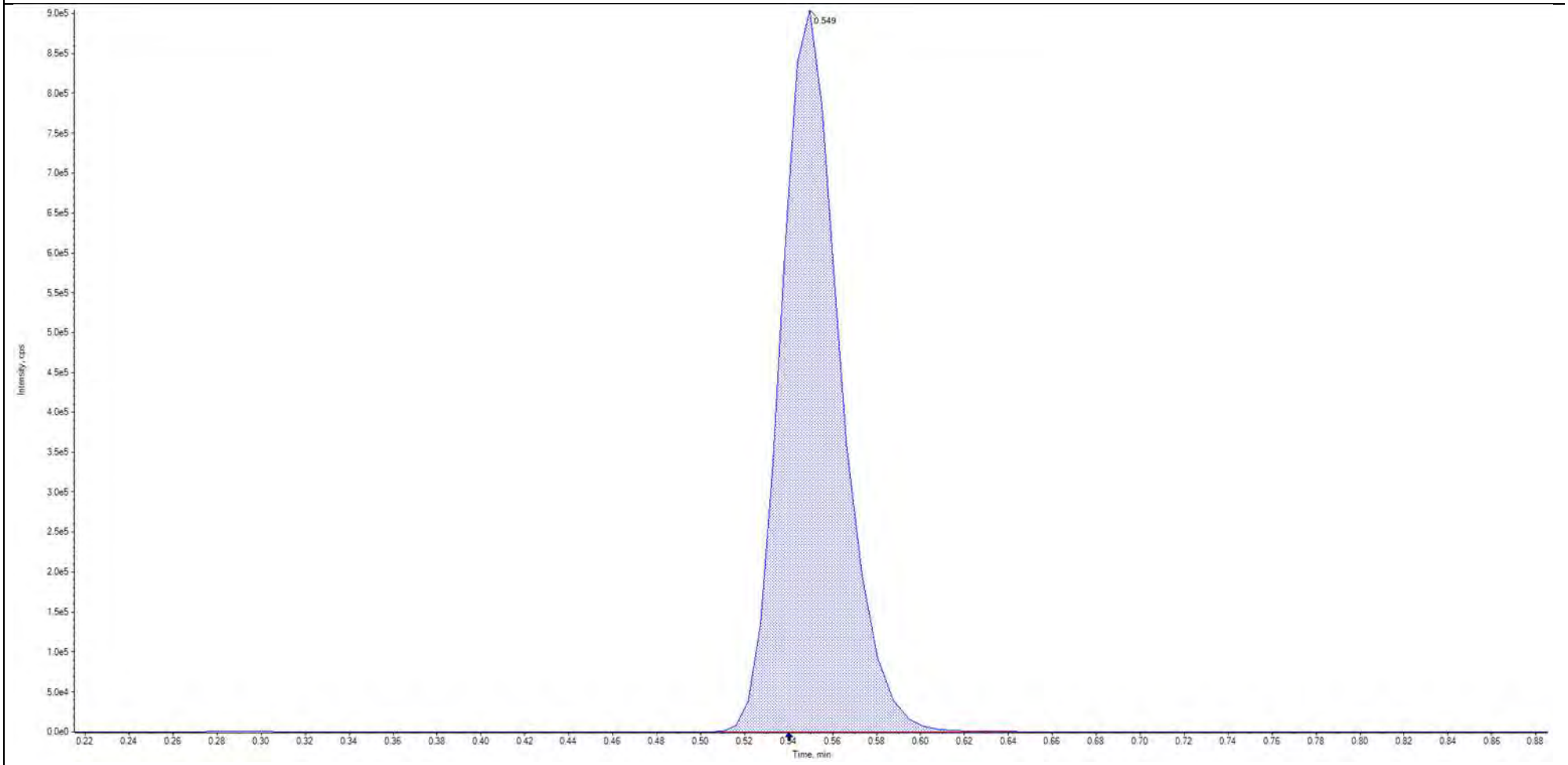


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_17.wiff2_2
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

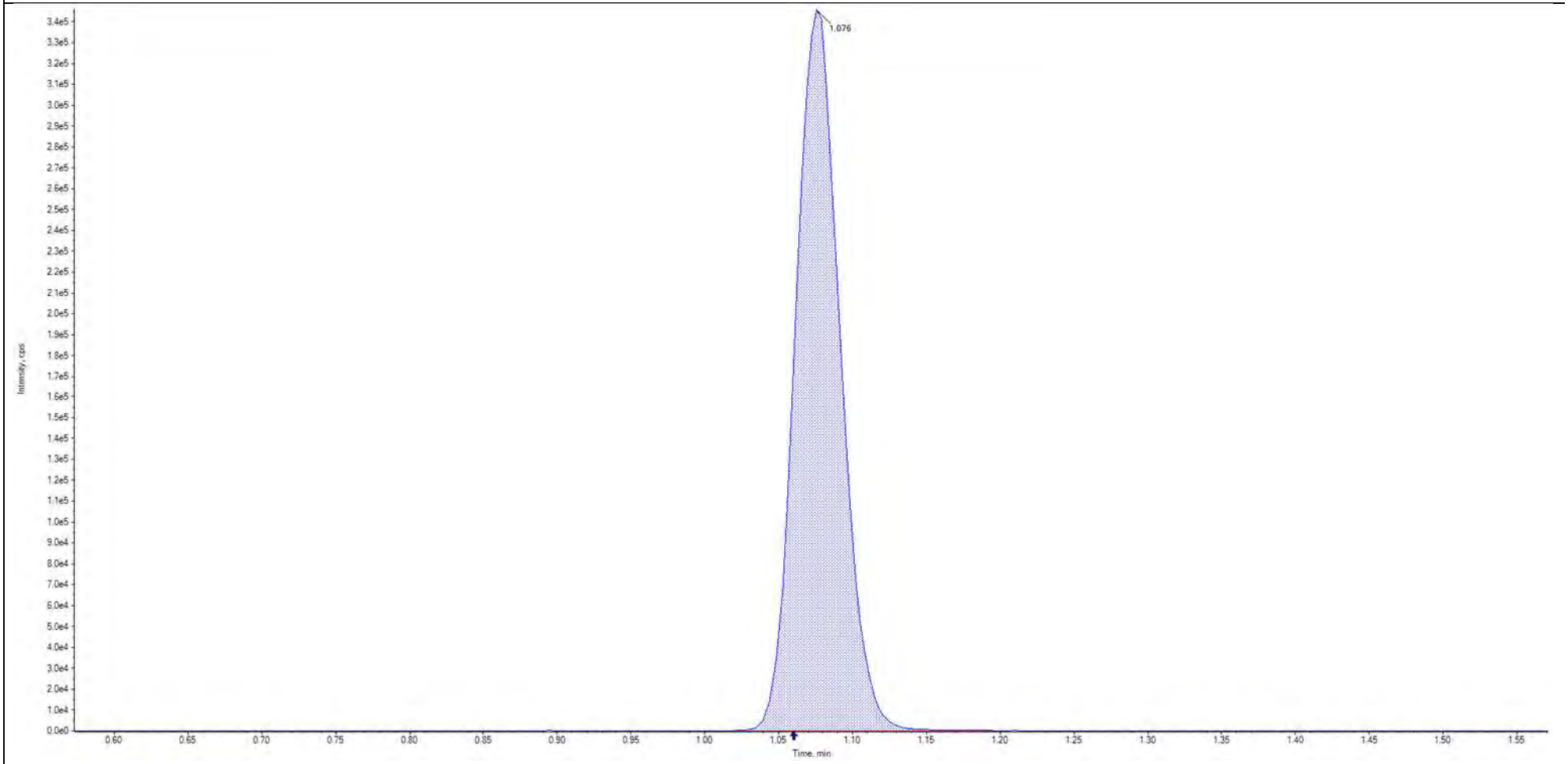
13C2-PFOA
Sample: IA1633STD-.2 S/N:5732.7 Points Across peak:29



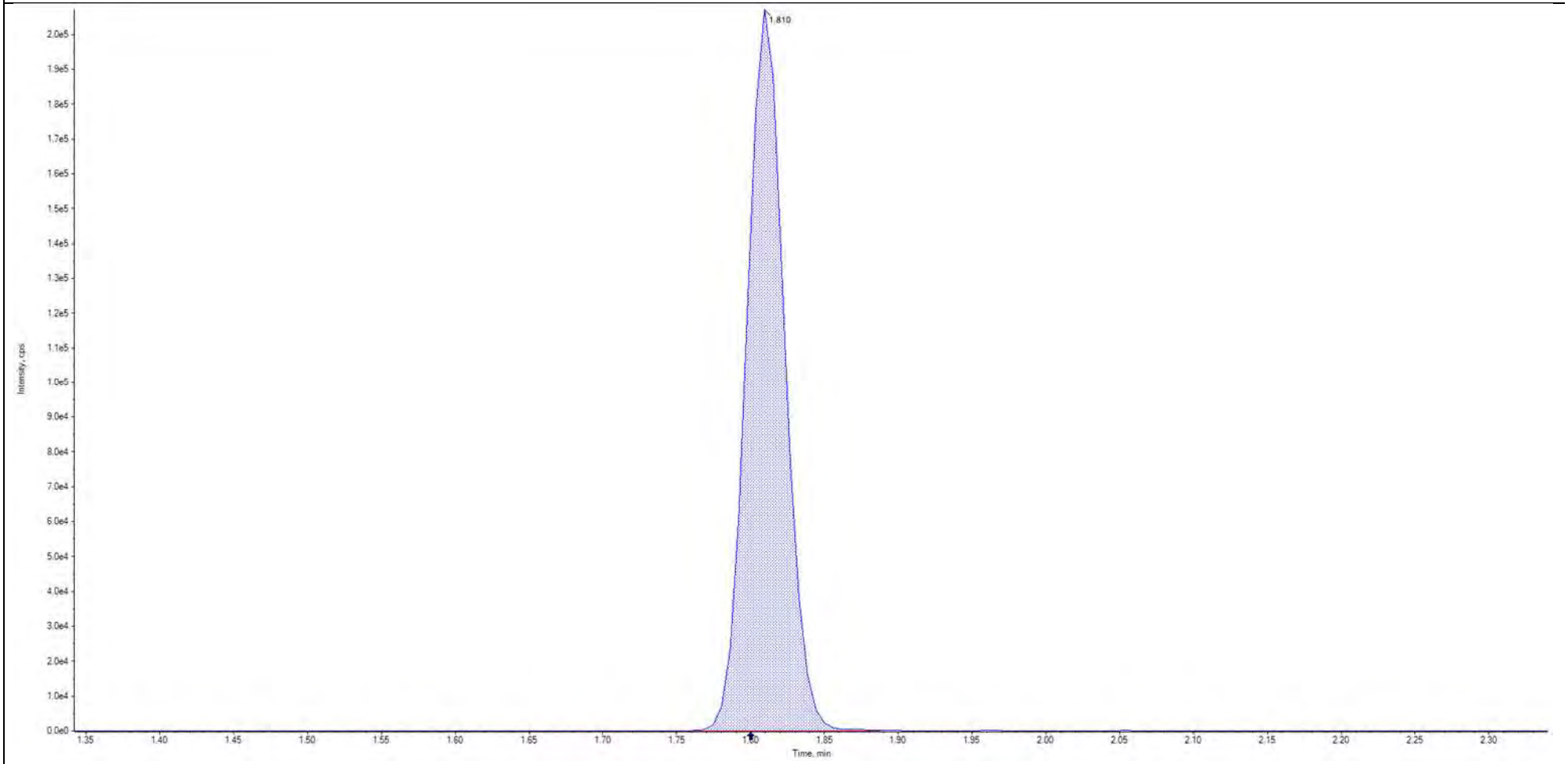
13C4-PFBA
Sample: IA1633STD-.2



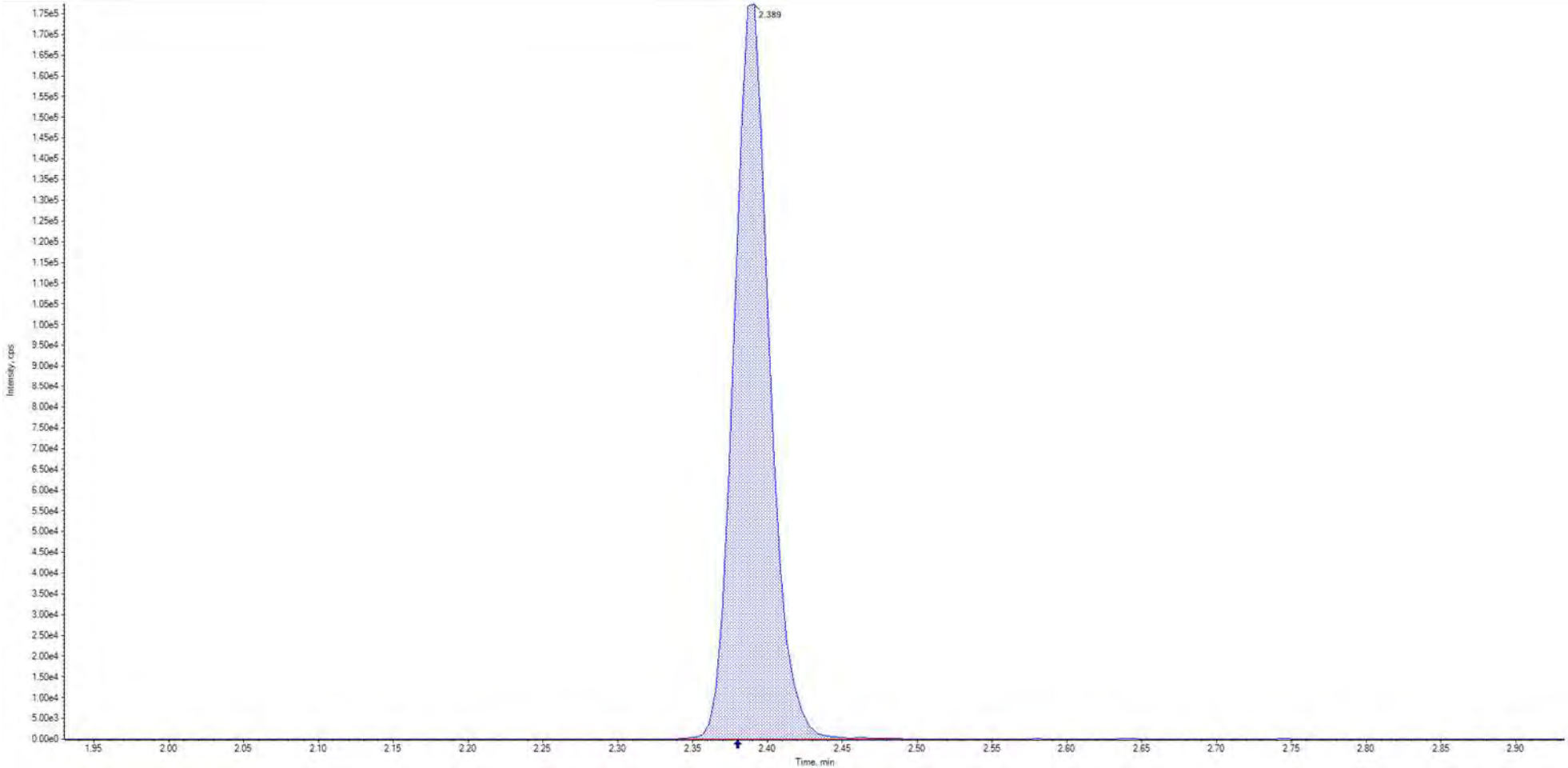
13C5-PFPeA
Sample: IA1633STD-.2



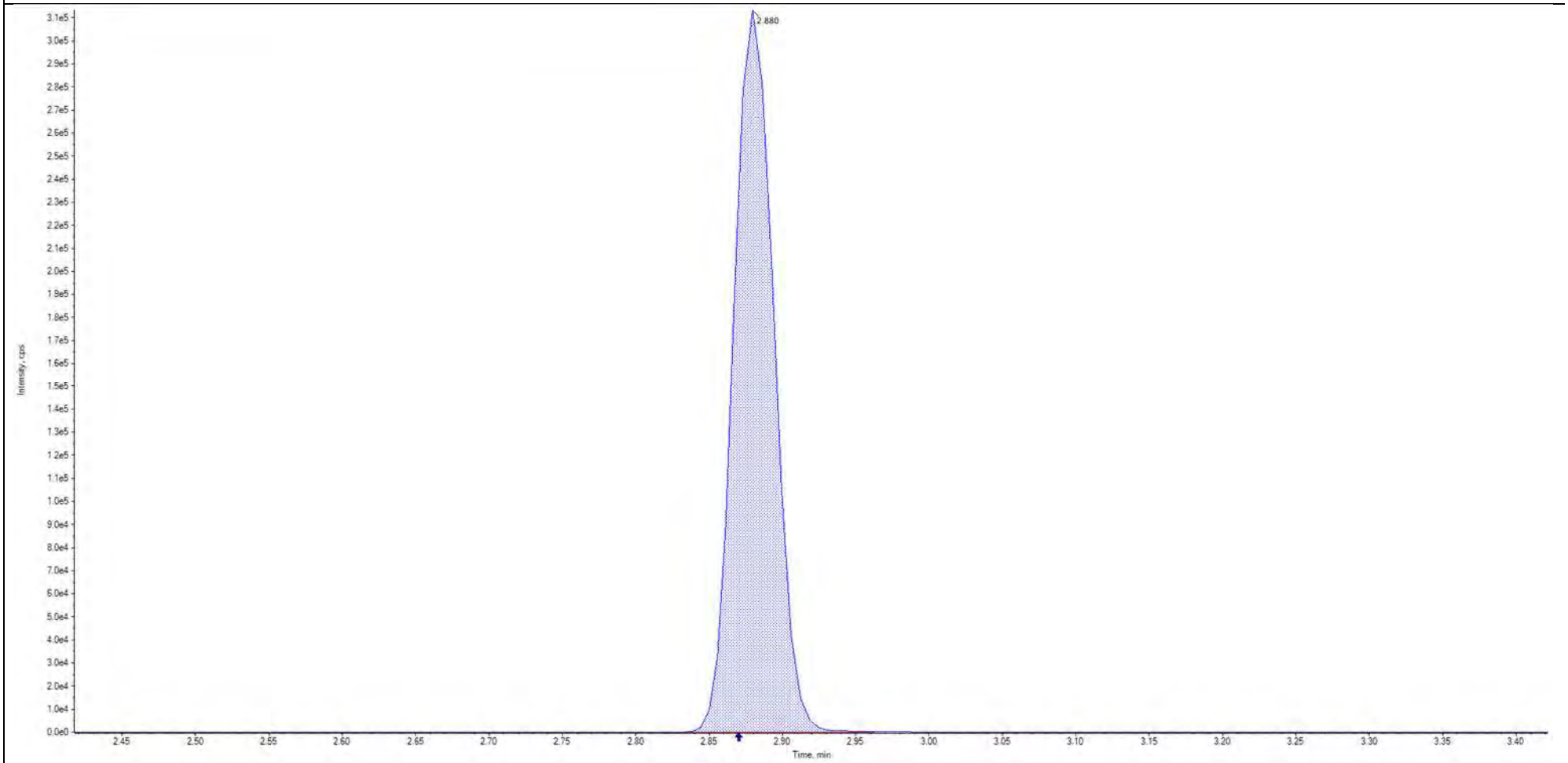
13C5-PFHxA
Sample: IA1633STD-.2



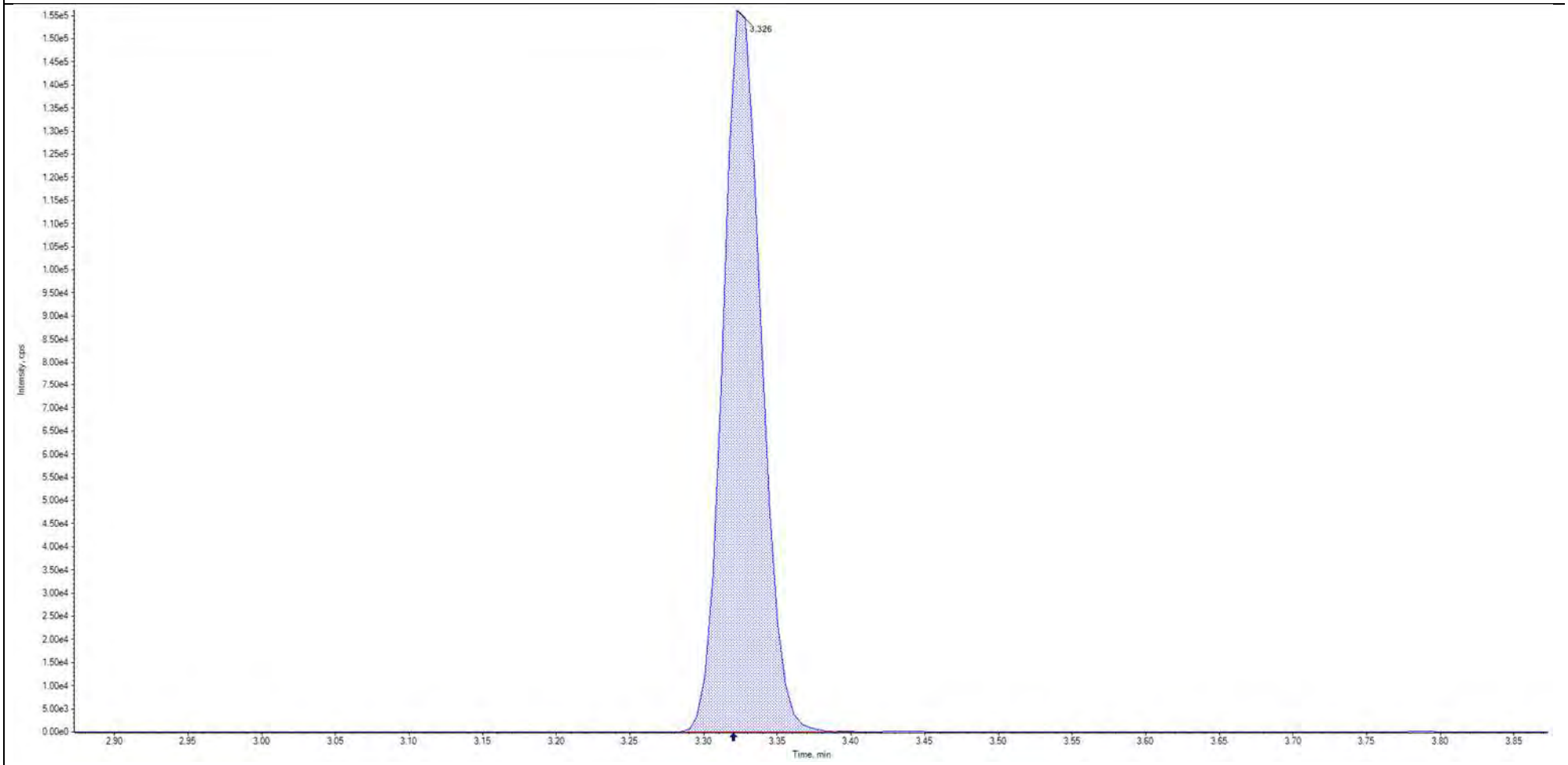
13C4-PFHpA
Sample: IA1633STD-.2



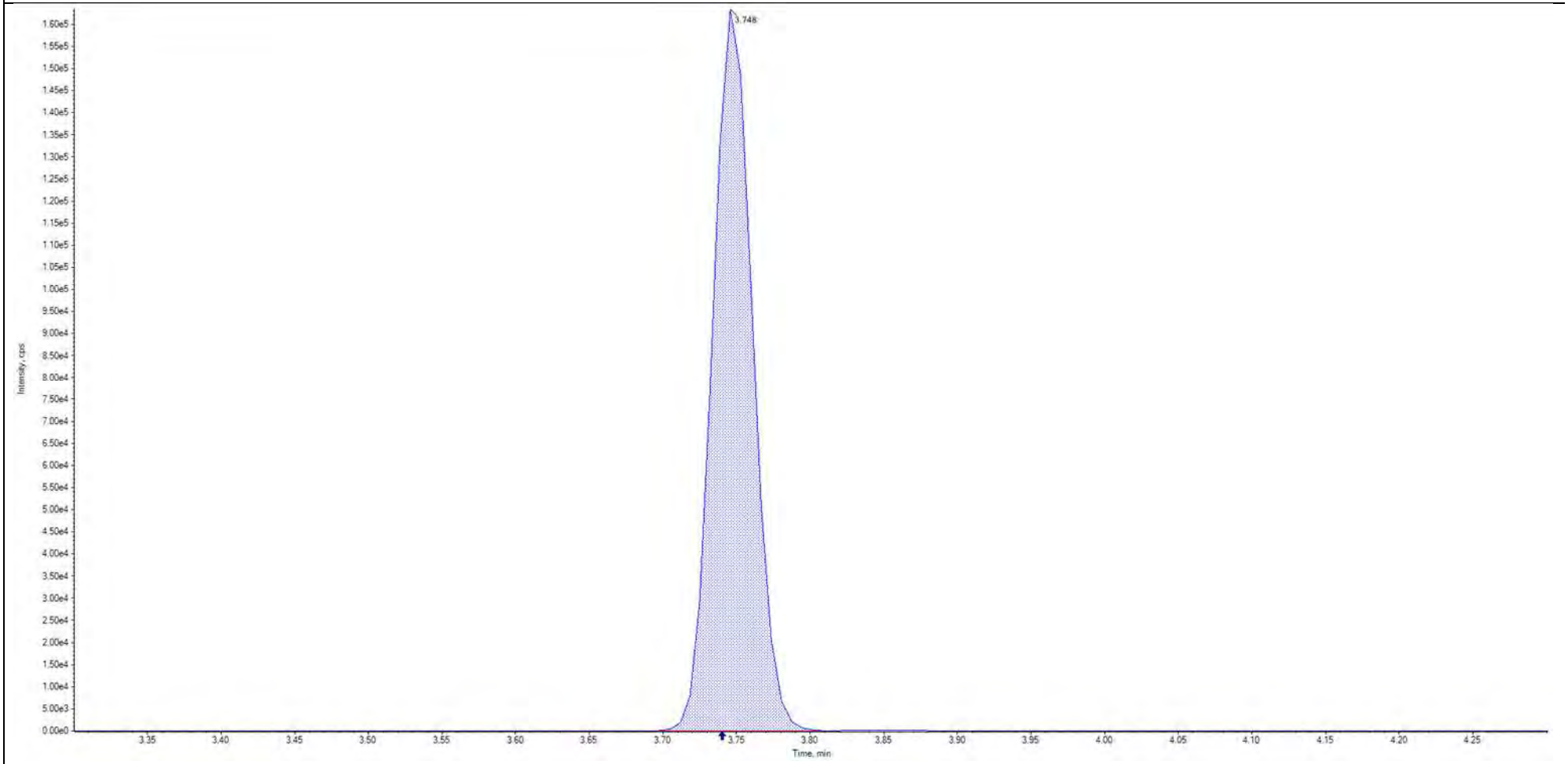
13C8-PFOA
Sample: IA1633STD-.2



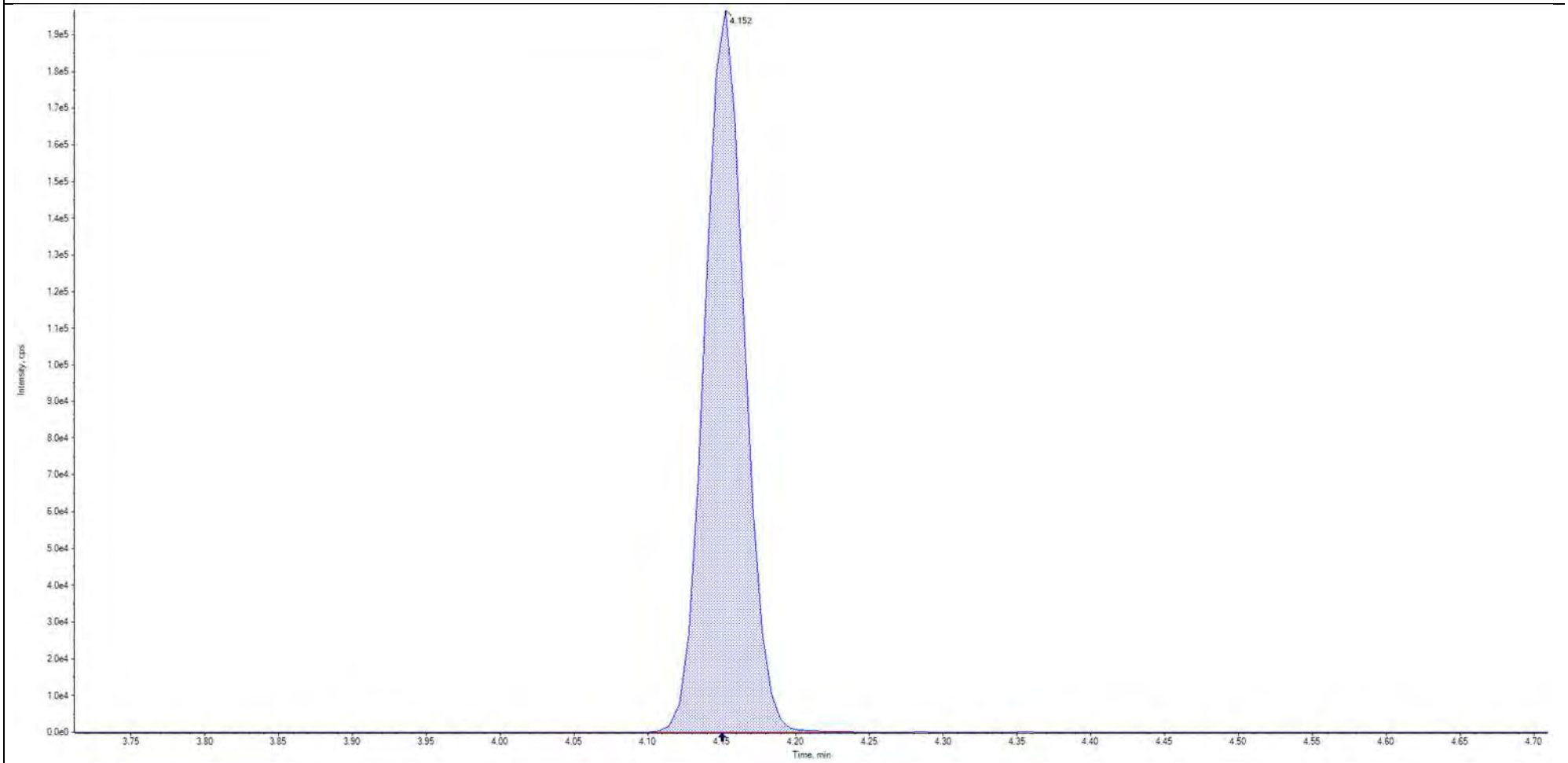
13C9-PFNA
Sample: IA1633STD-.2



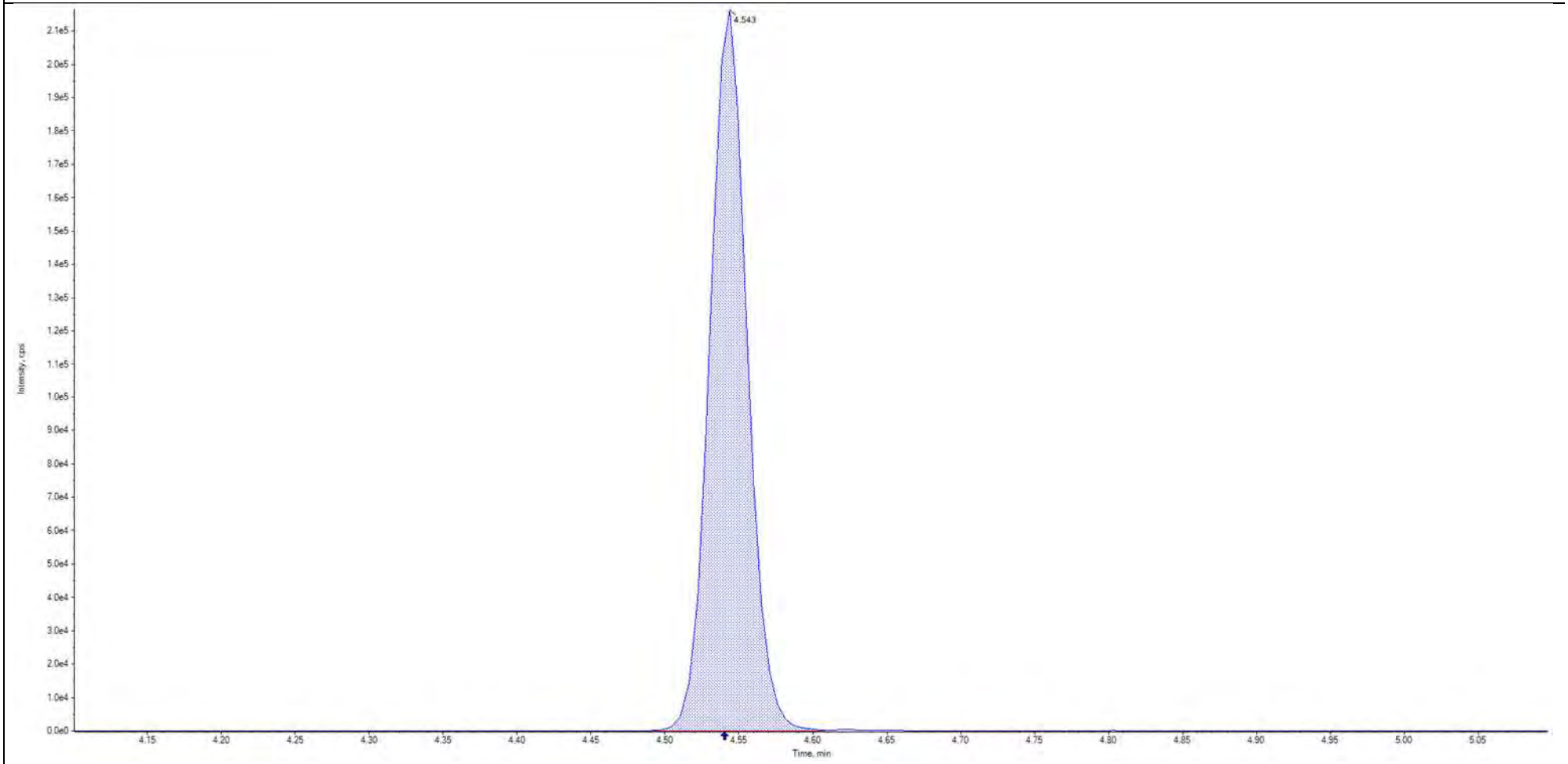
13C6-PFDA
Sample: IA1633STD-.2



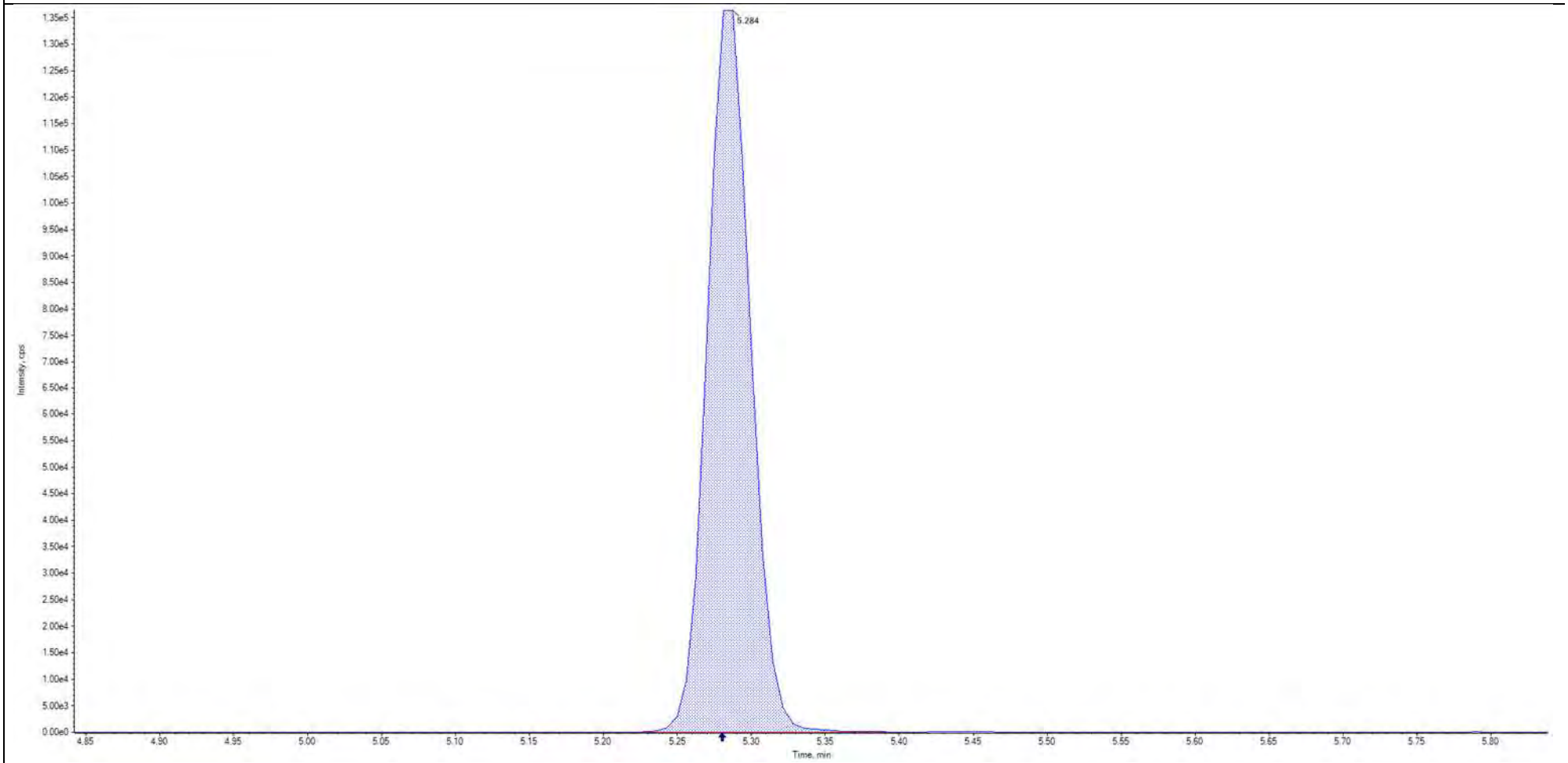
13C7-PFUnA
Sample: IA1633STD-.2



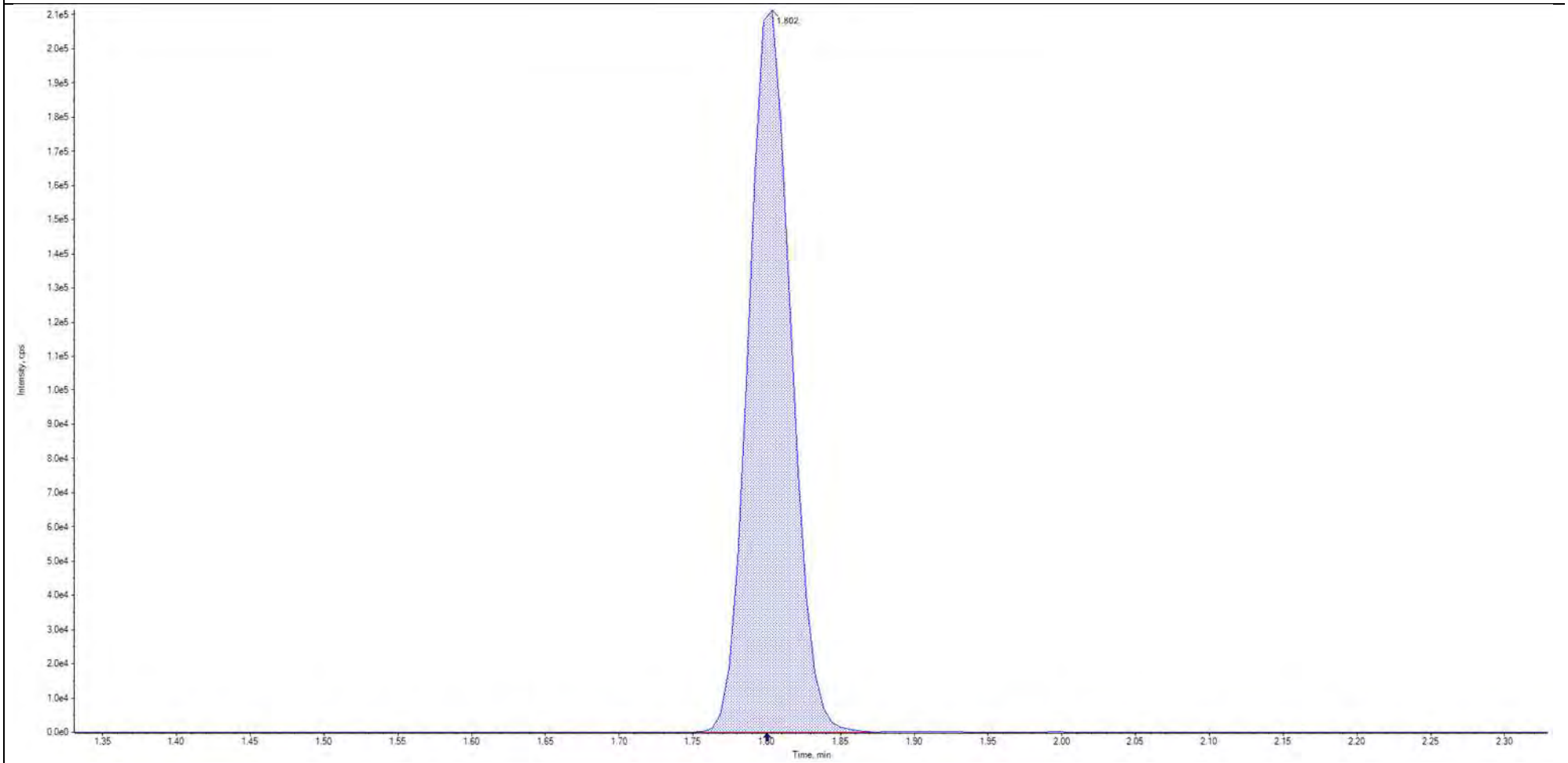
13C2-PFDoA
Sample: IA1633STD-.2



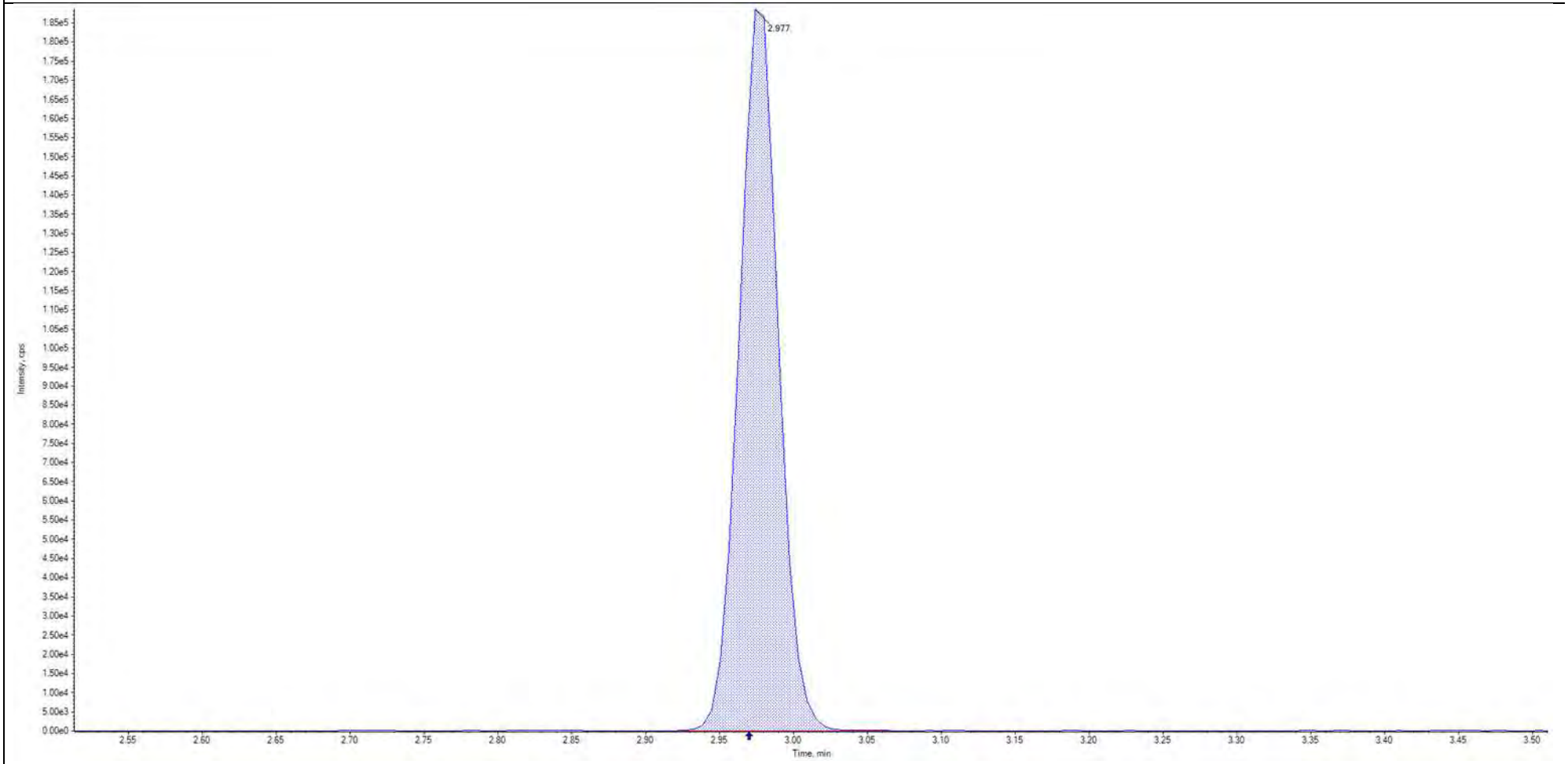
13C2-PFTeDA
Sample: IA1633STD-.2



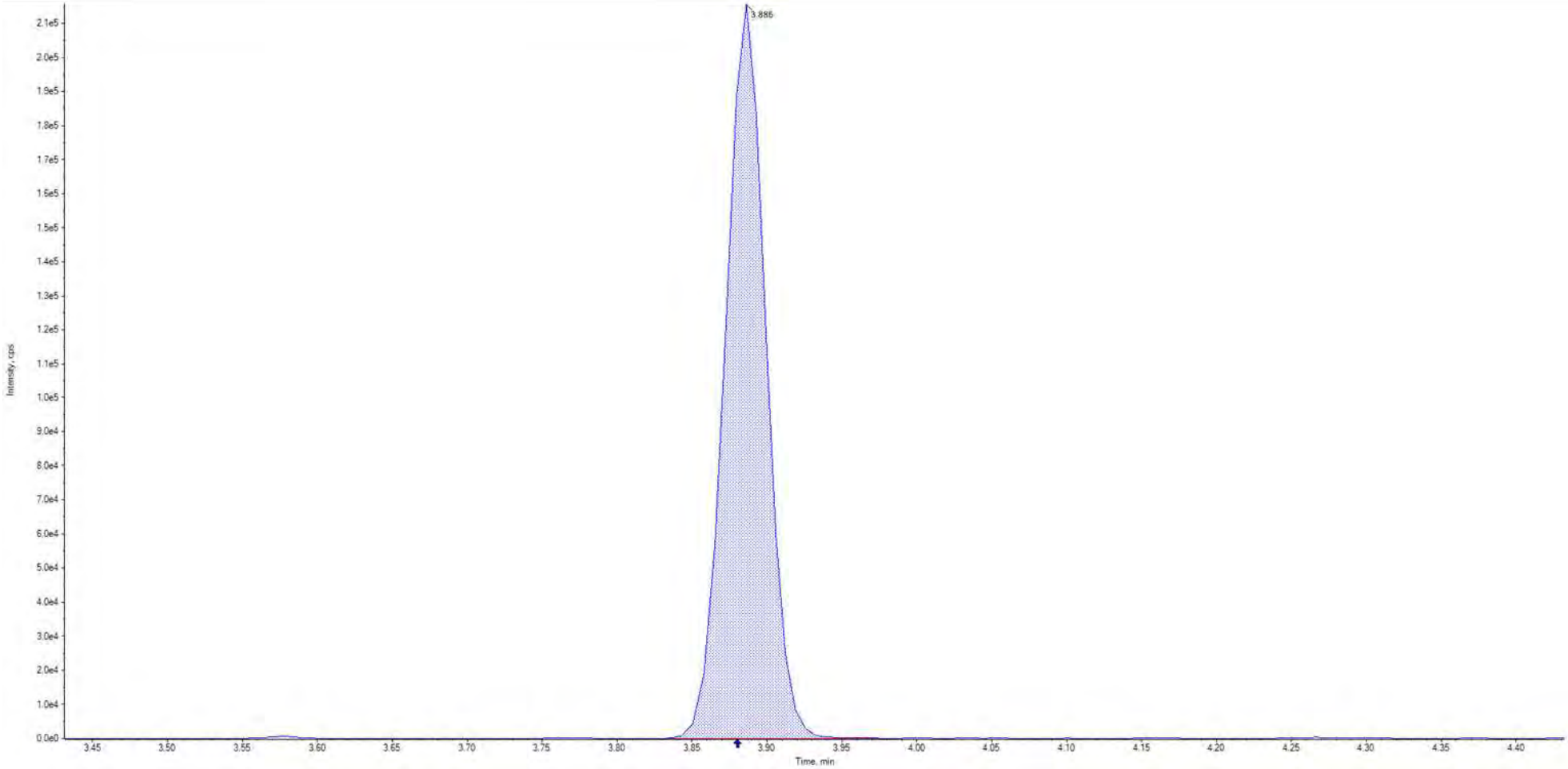
13C3-PFBS
Sample: IA1633STD-.2



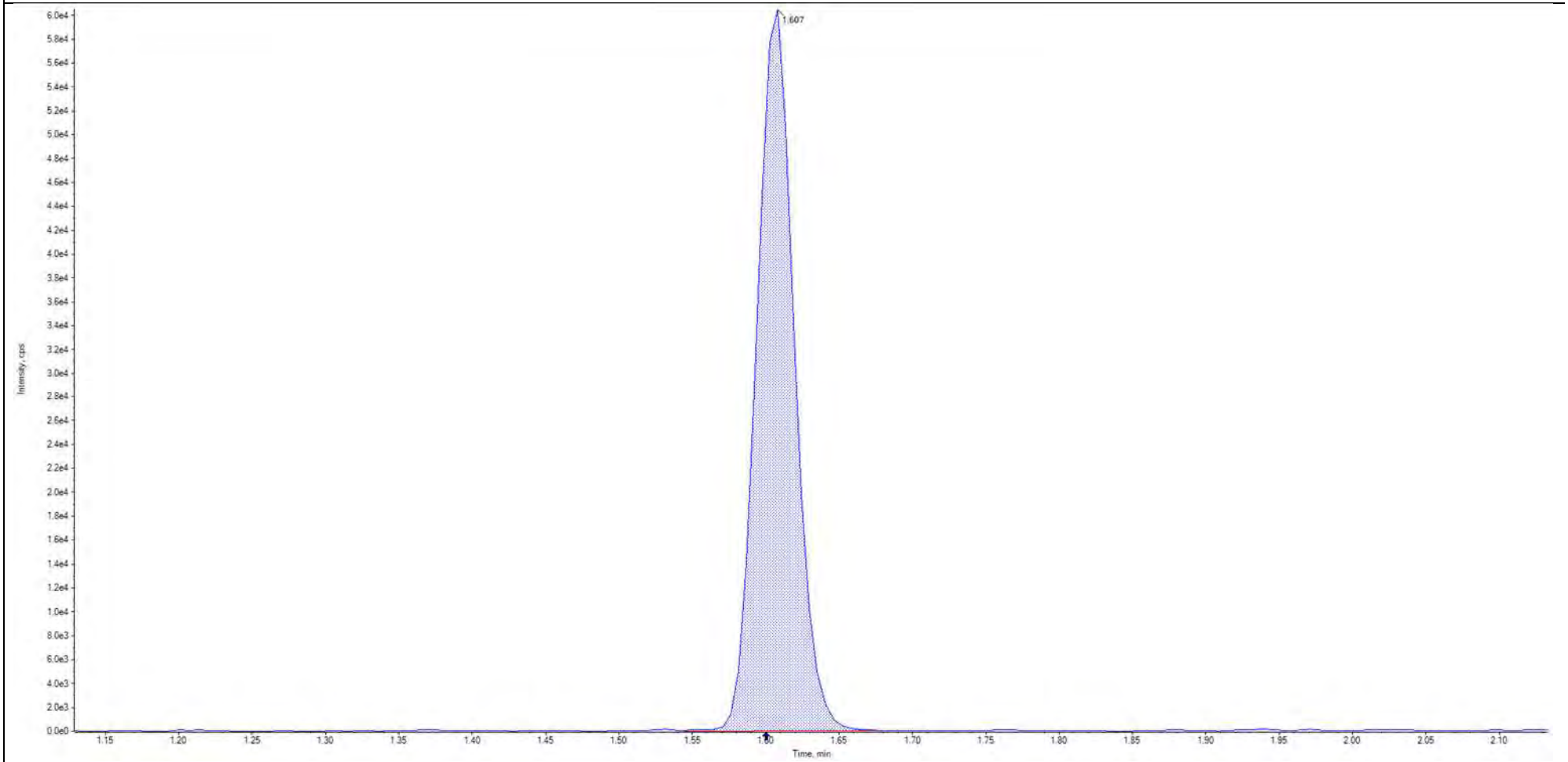
13C3-PFHxS
Sample: IA1633STD-.2



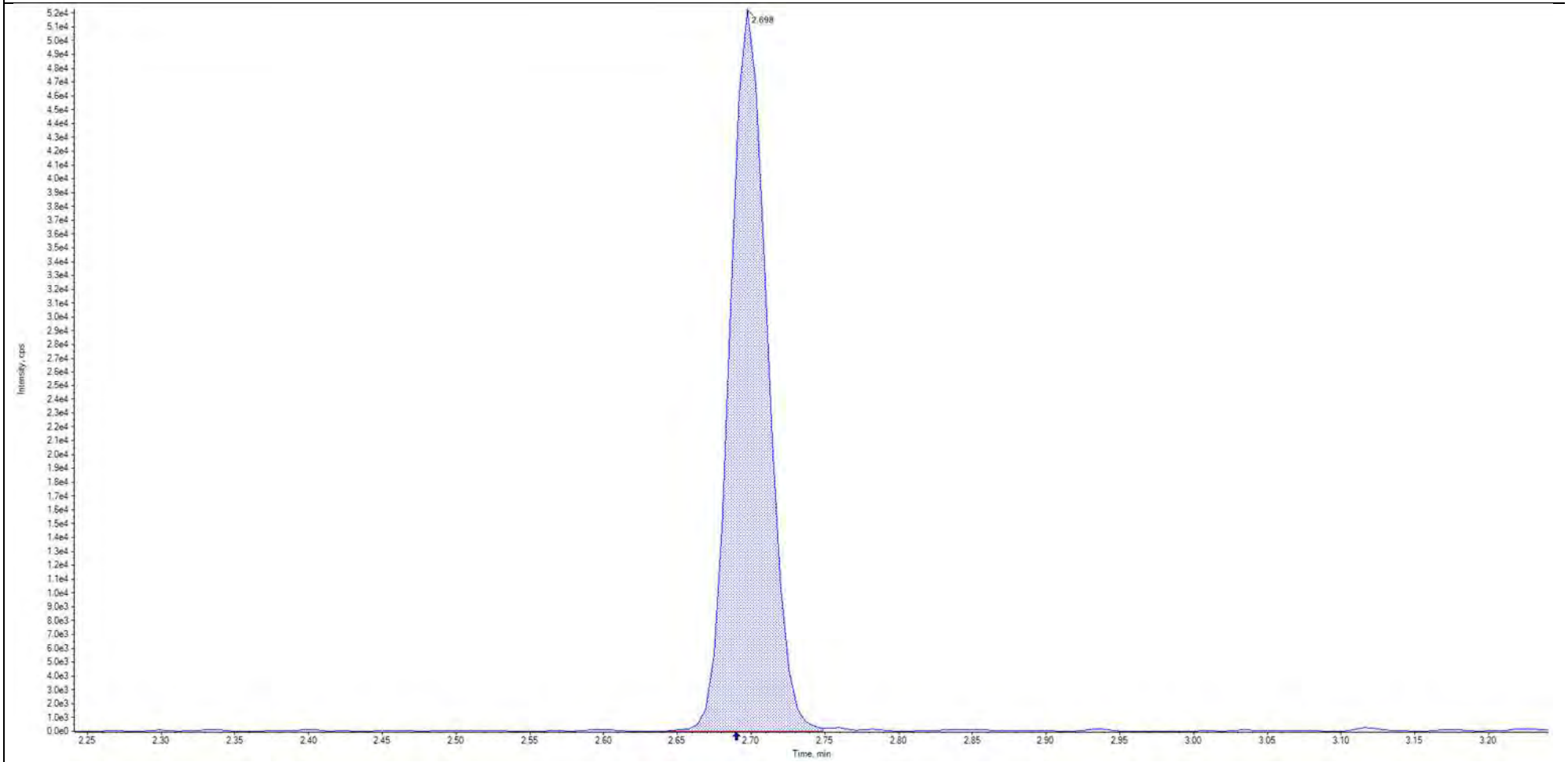
13C8-PFOS
Sample: IA1633STD-.2



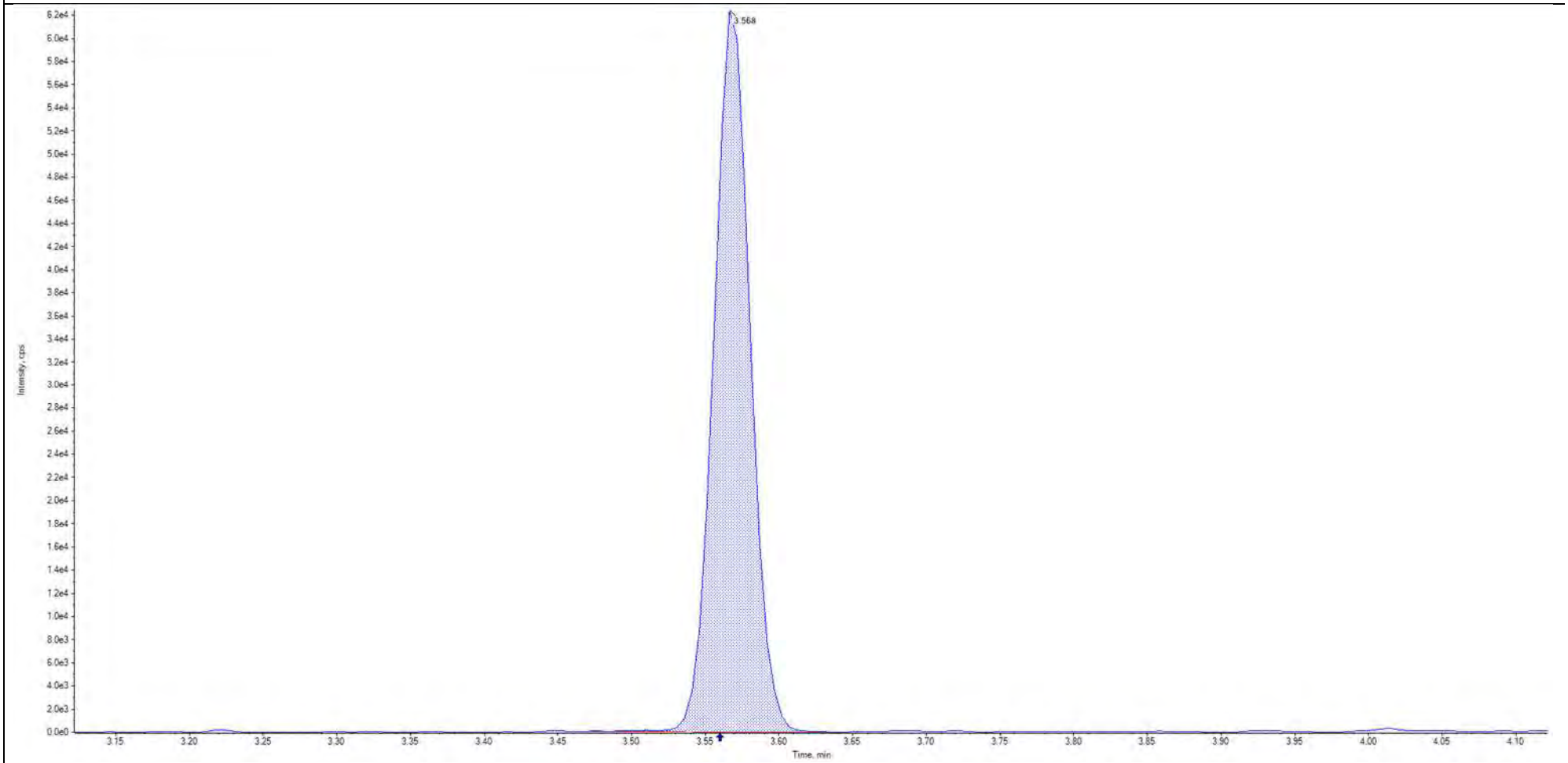
13C2-4:2FTS
Sample: IA1633STD-.2



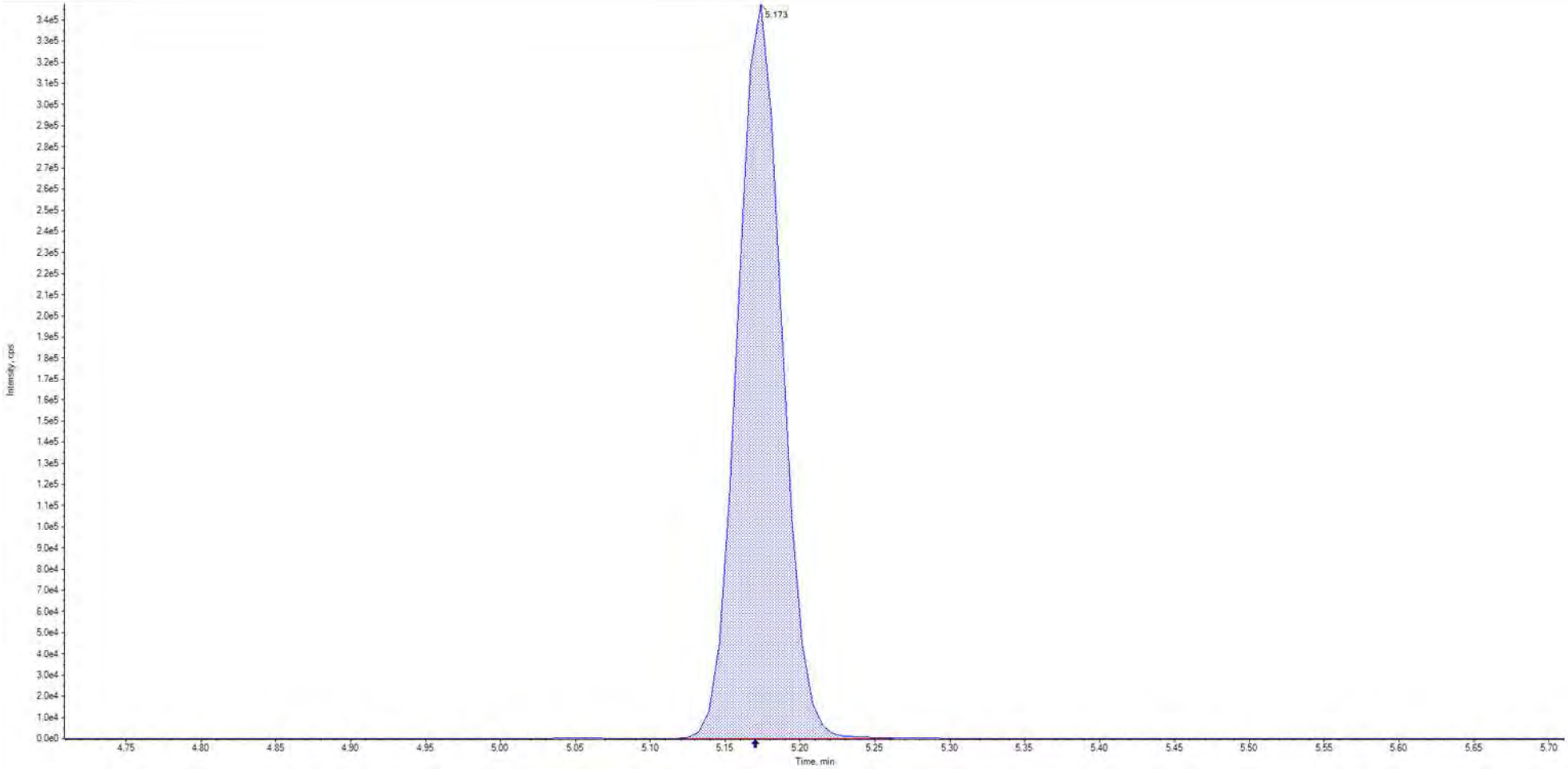
13C2-6:2FTS
Sample: IA1633STD-.2



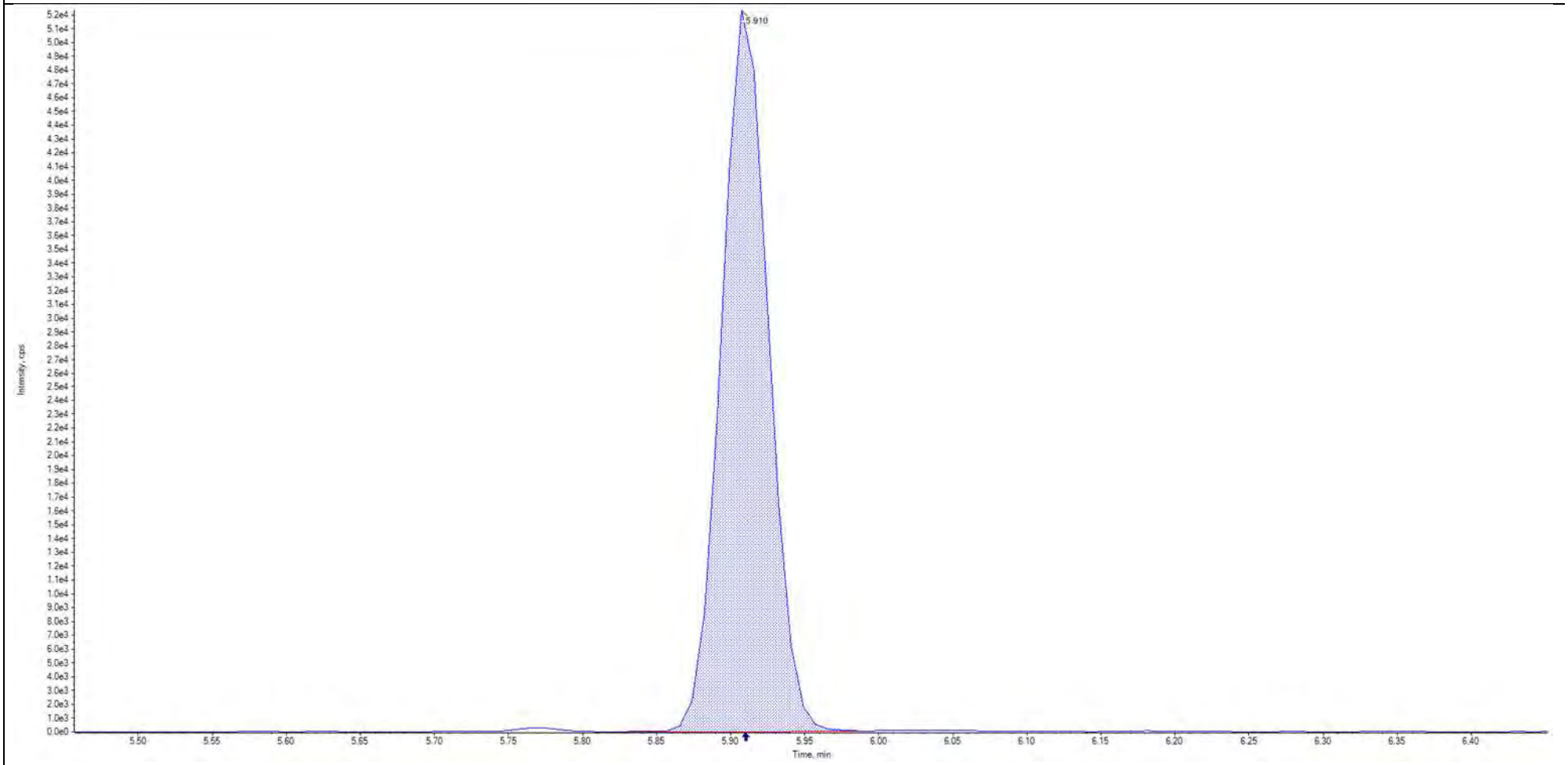
13C2-8:2FTS
Sample: IA1633STD-.2



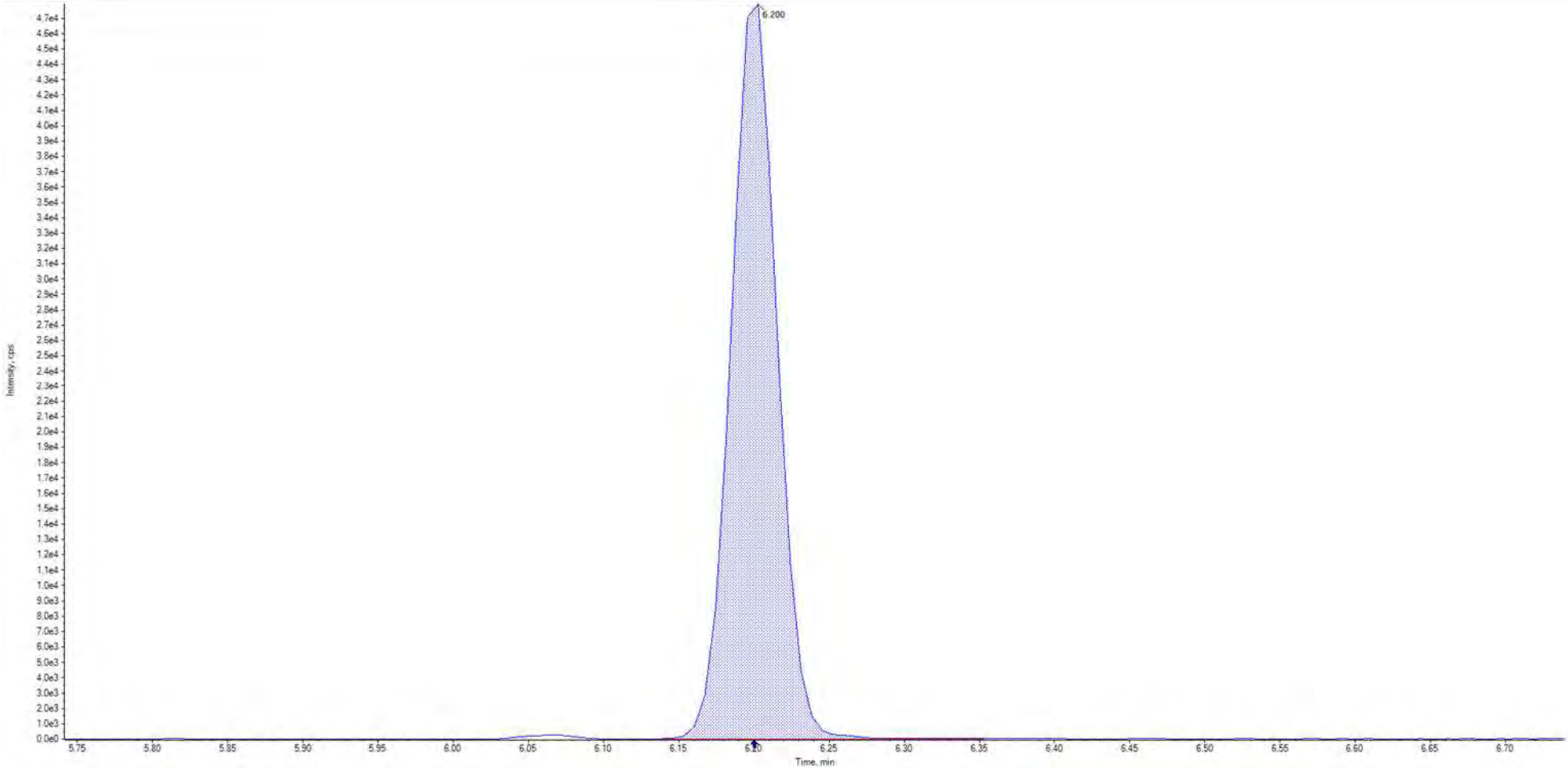
13C8-PFOSA
Sample: IA1633STD-.2



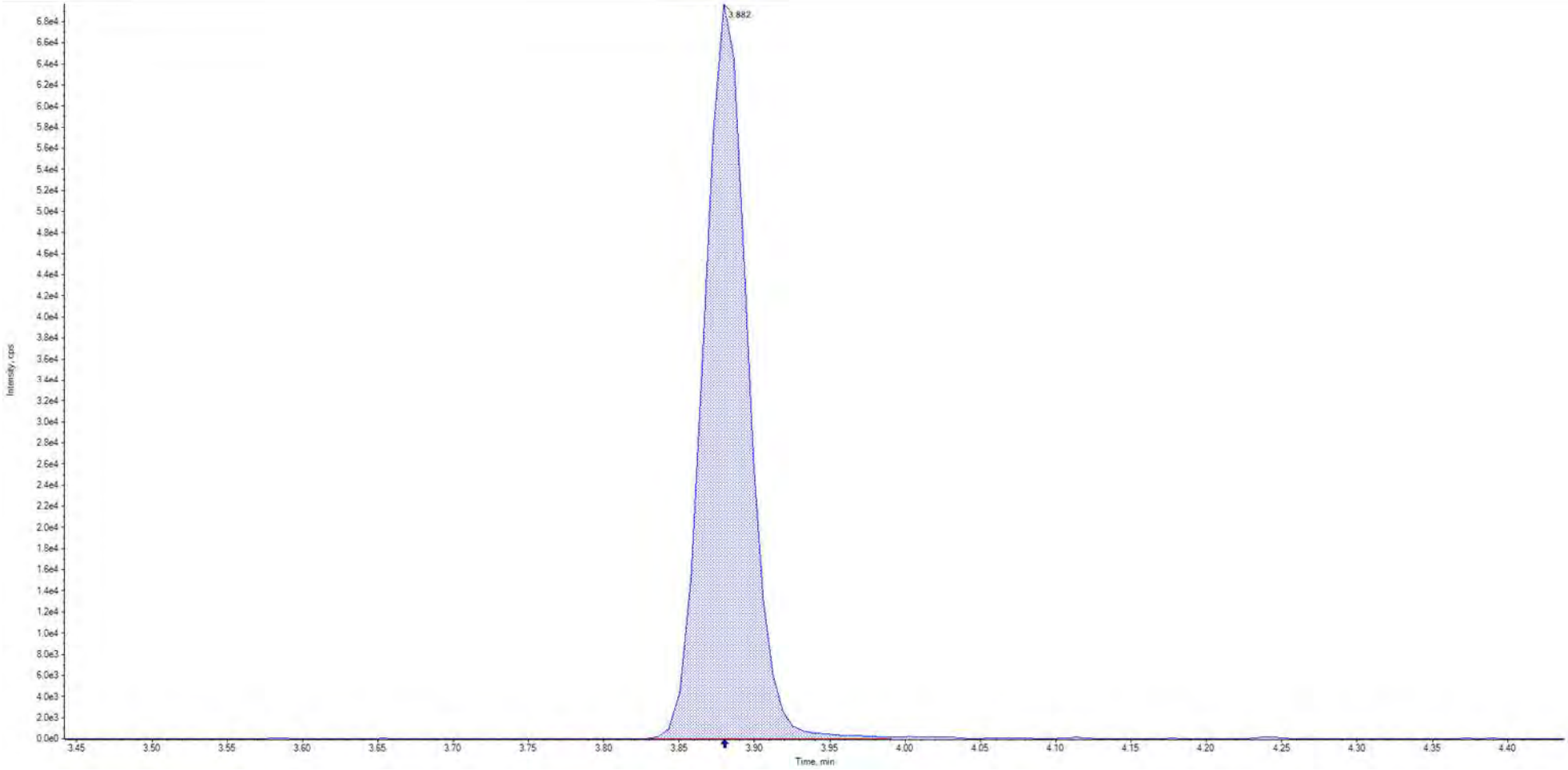
d3-NMeFOSA
Sample: IA1633STD-.2



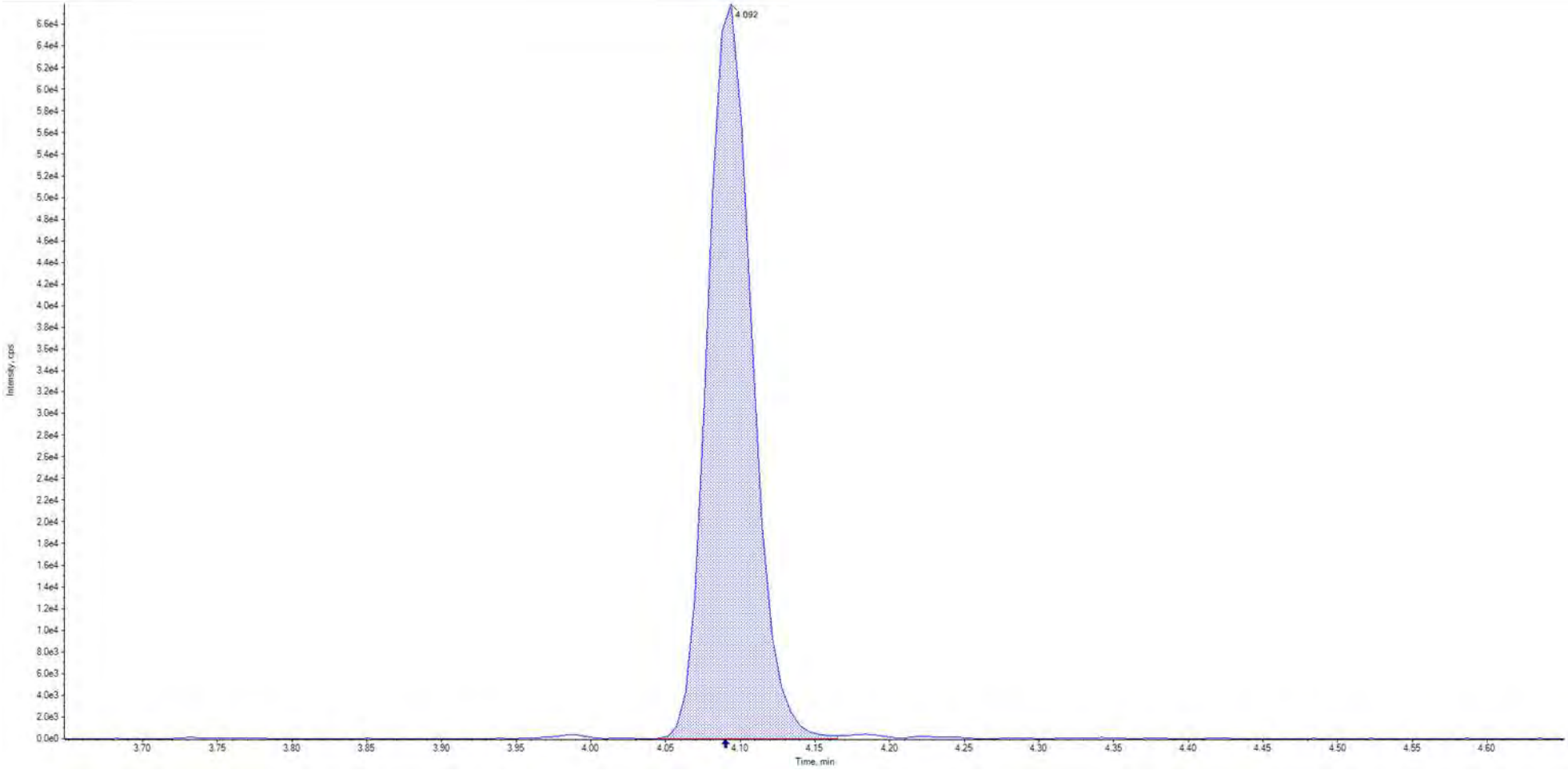
d5-NEtFOSA
Sample: IA1633STD-.2



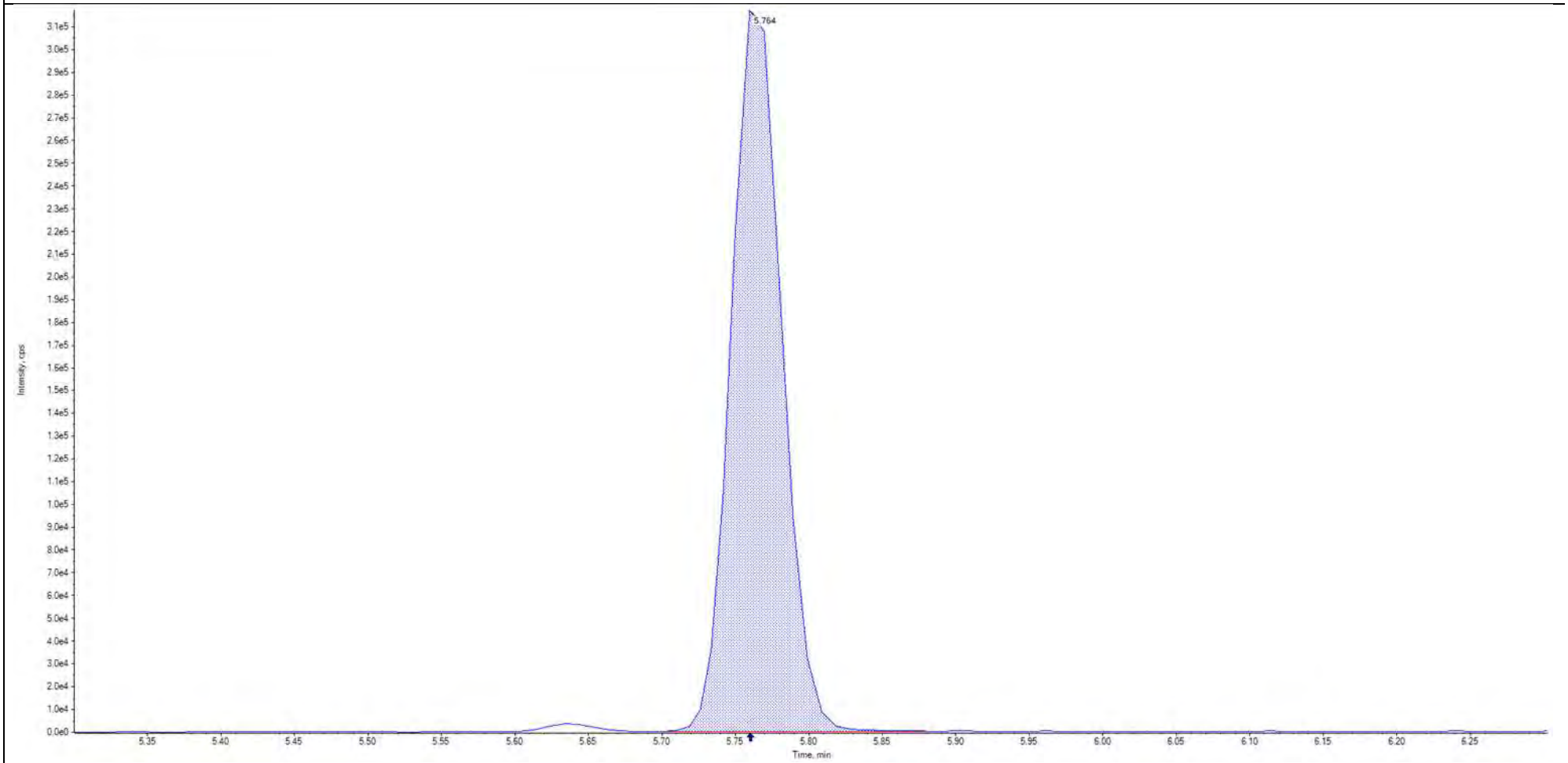
d3-NMeFOSAA
Sample: IA1633STD-.2



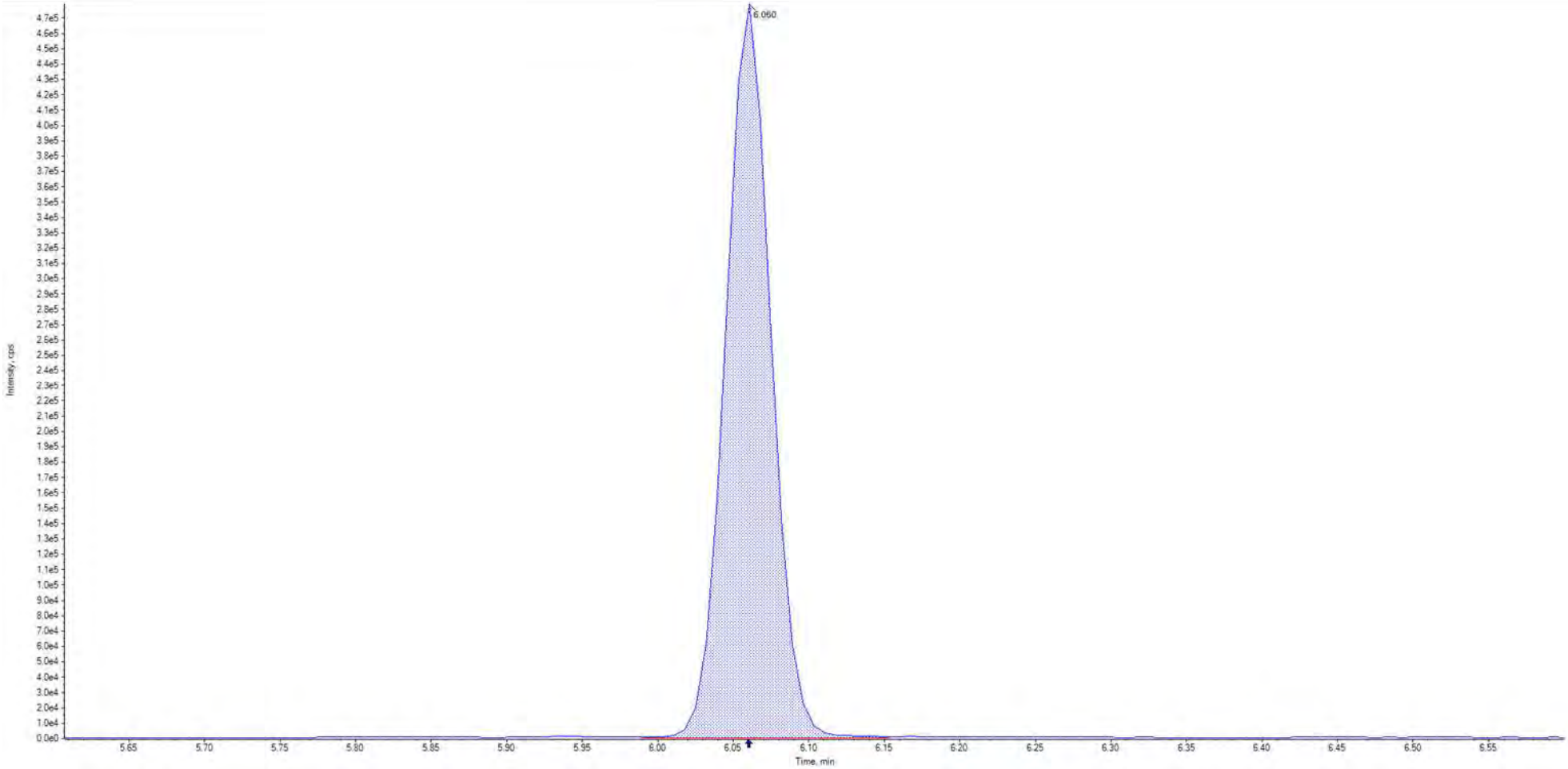
d5-NEtFOSAA
Sample: IA1633STD-.2



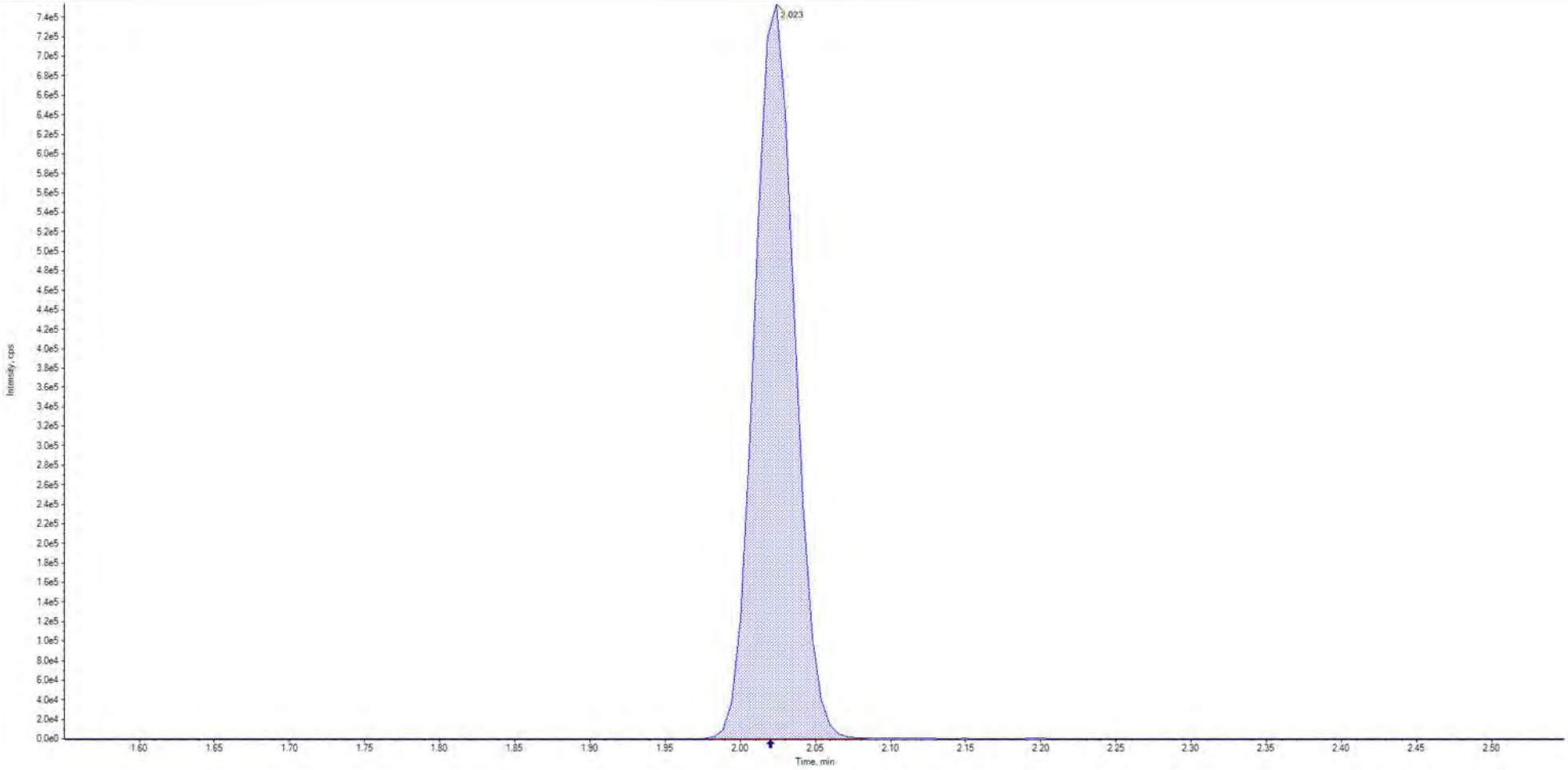
d7-NMeFOSE
Sample: IA1633STD-.2



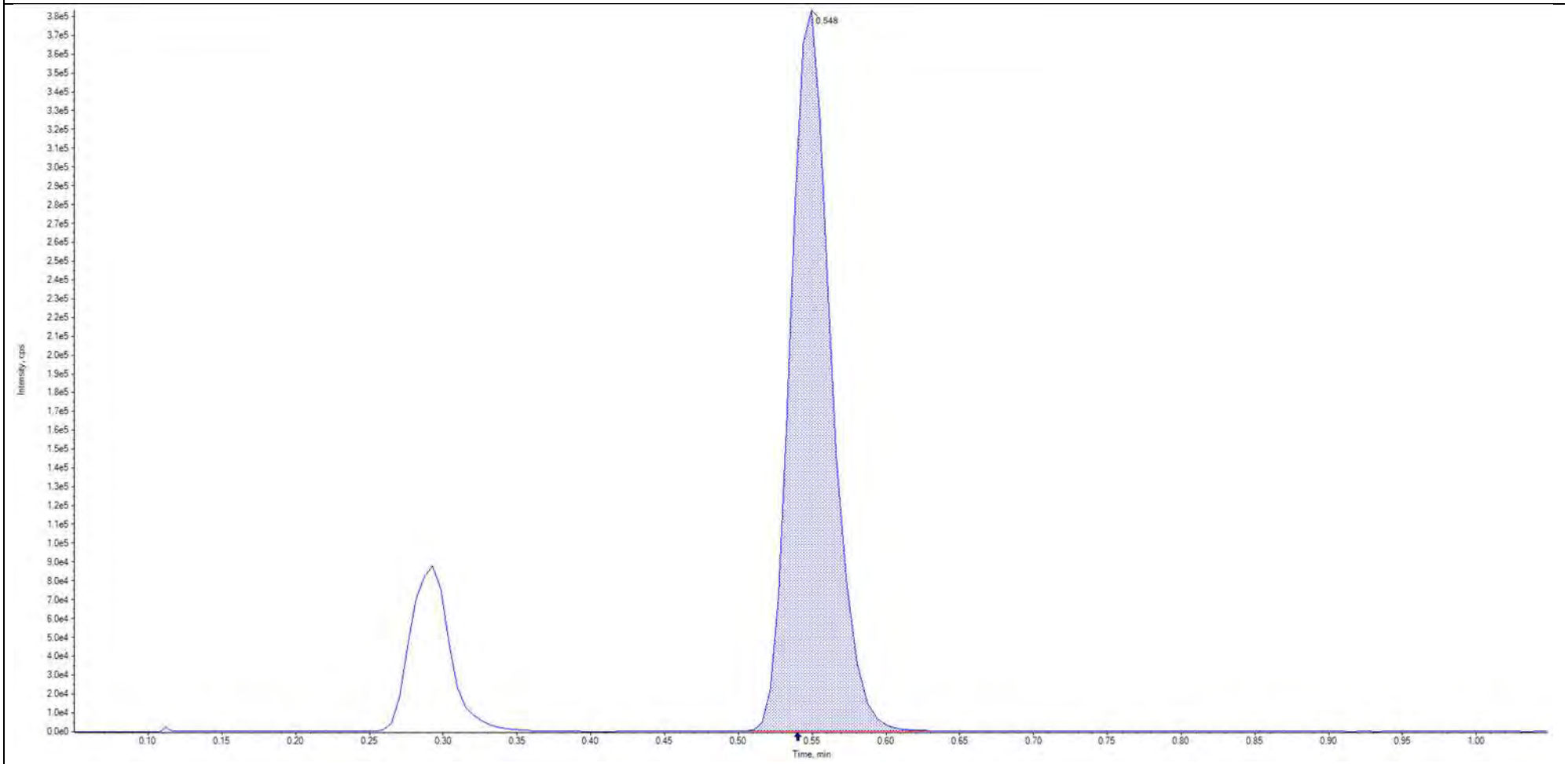
d9-NEtFOSE
Sample: IA1633STD-.2



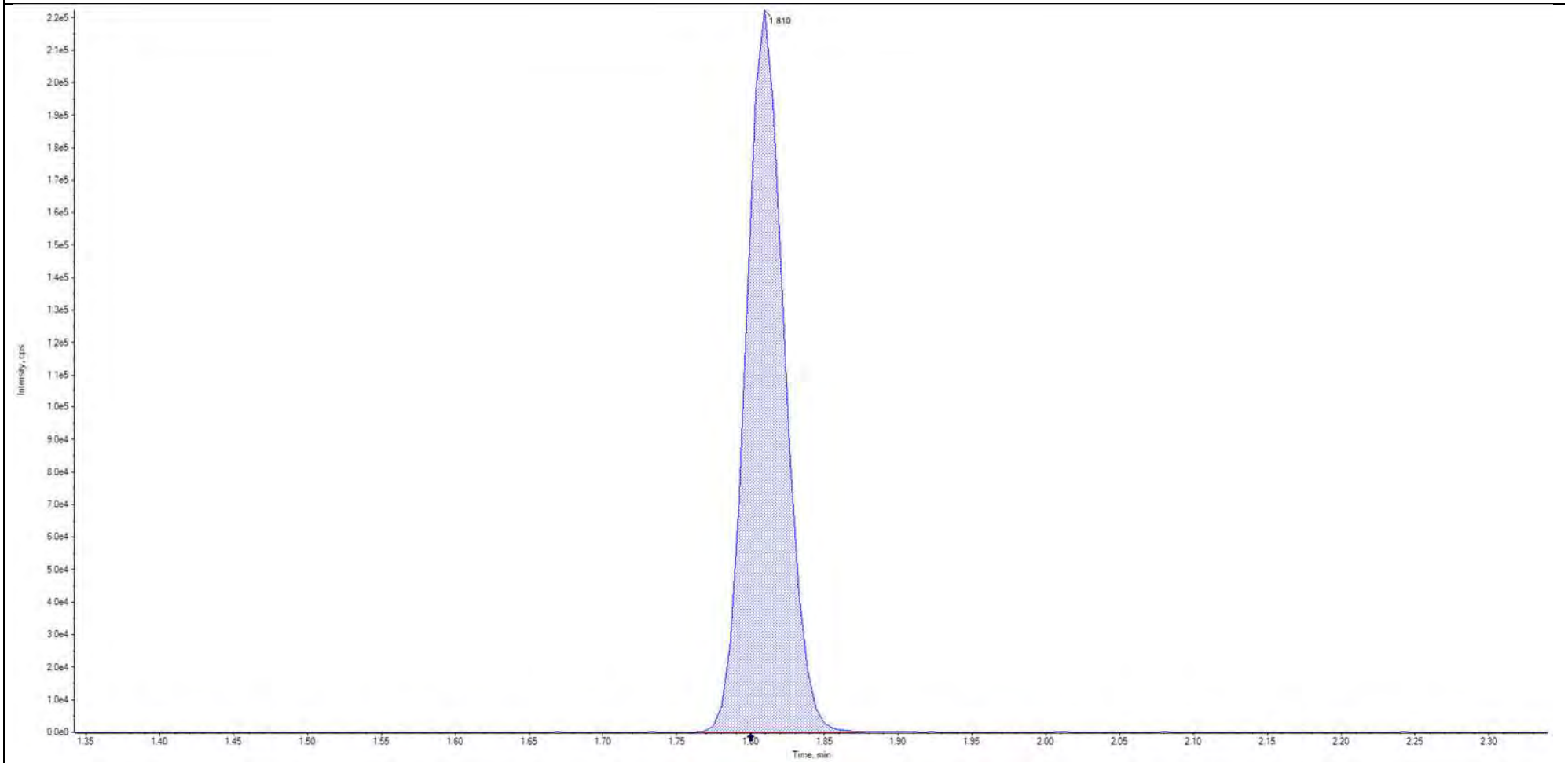
13C3-HFPO-DA
Sample: IA1633STD-.2



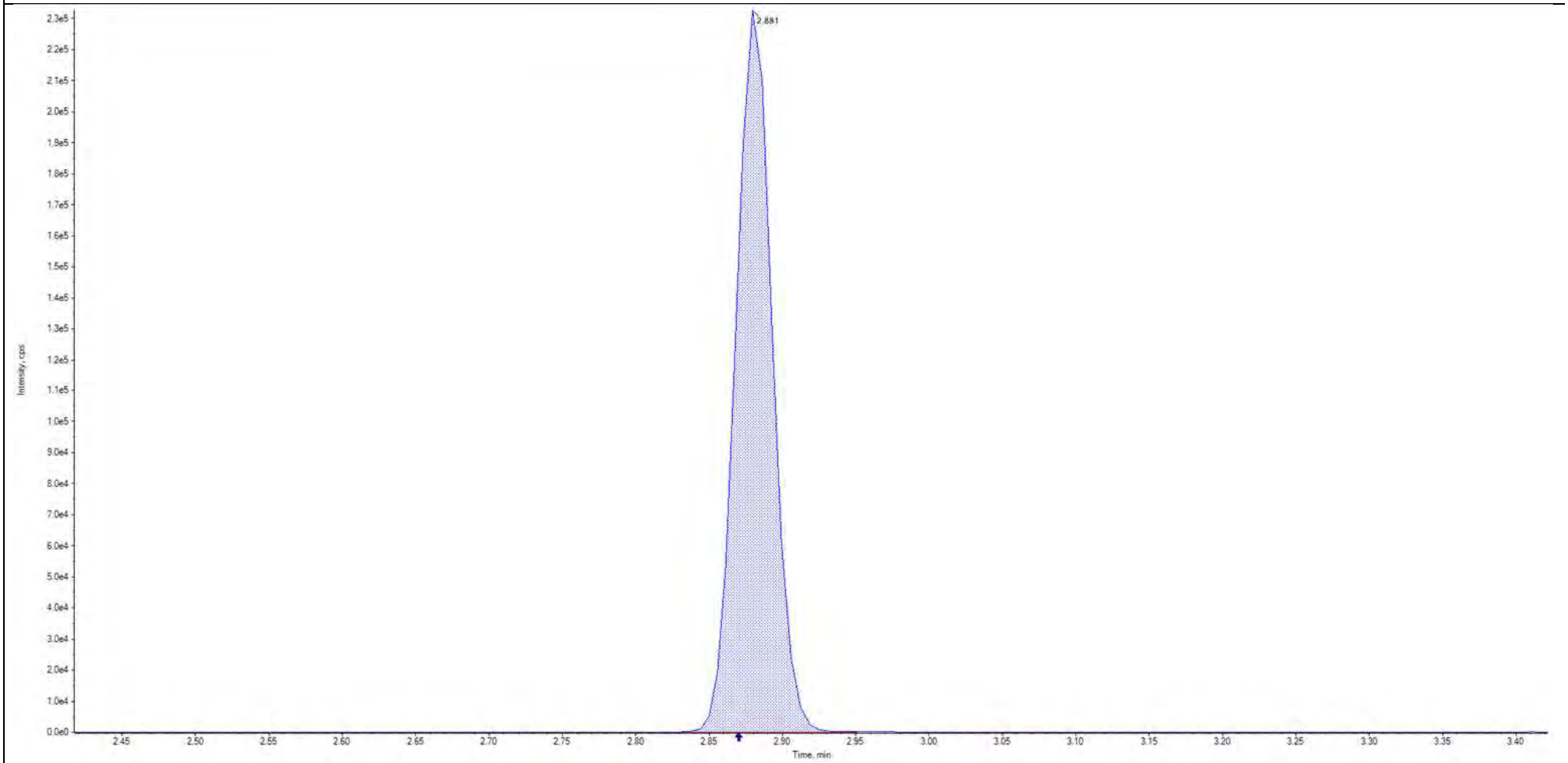
13C3-PFBA
Sample: IA1633STD-.2



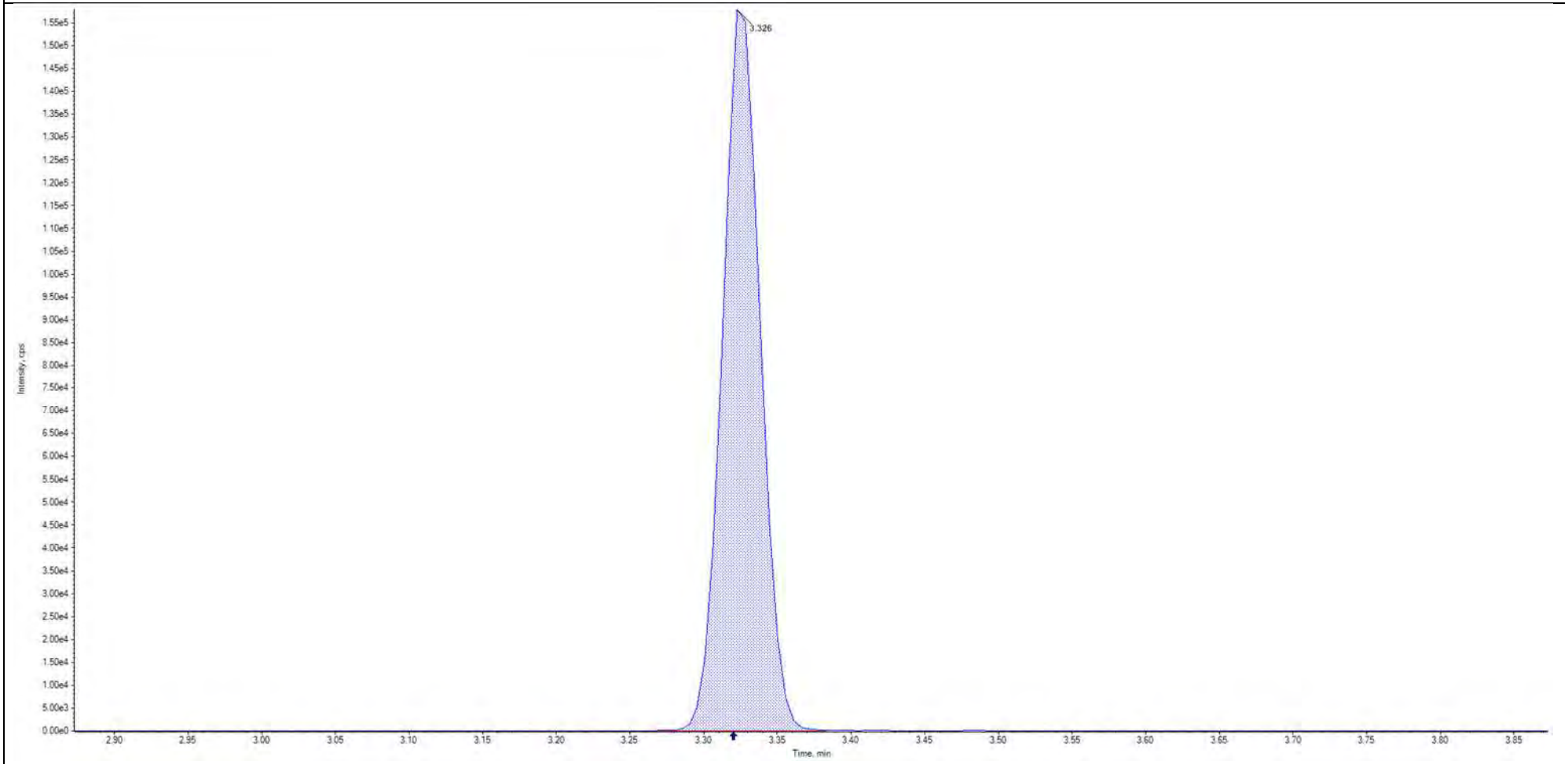
13C2-PFHxA
Sample: IA1633STD-.2



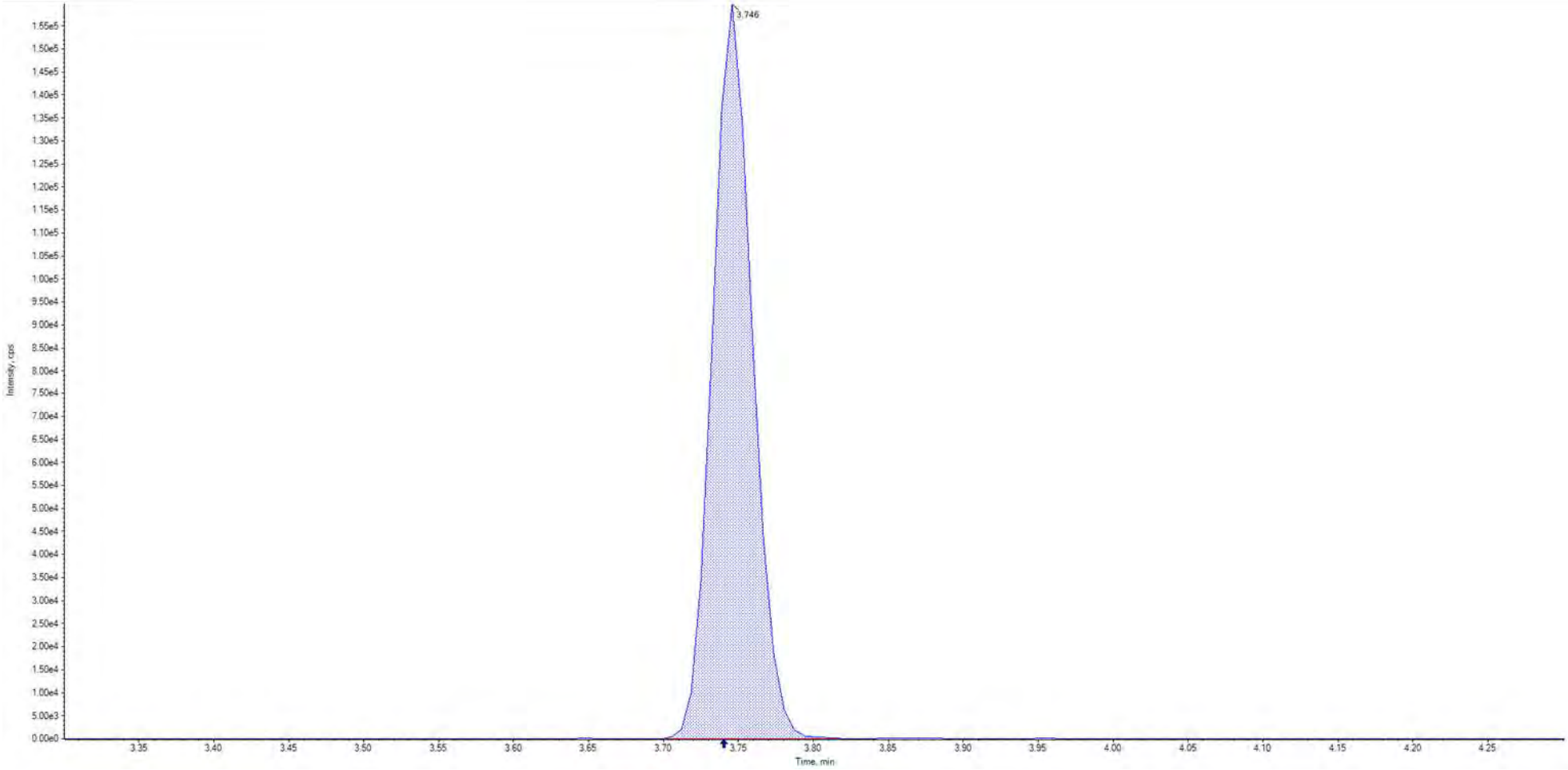
13C4-PFOA
Sample: IA1633STD-.2



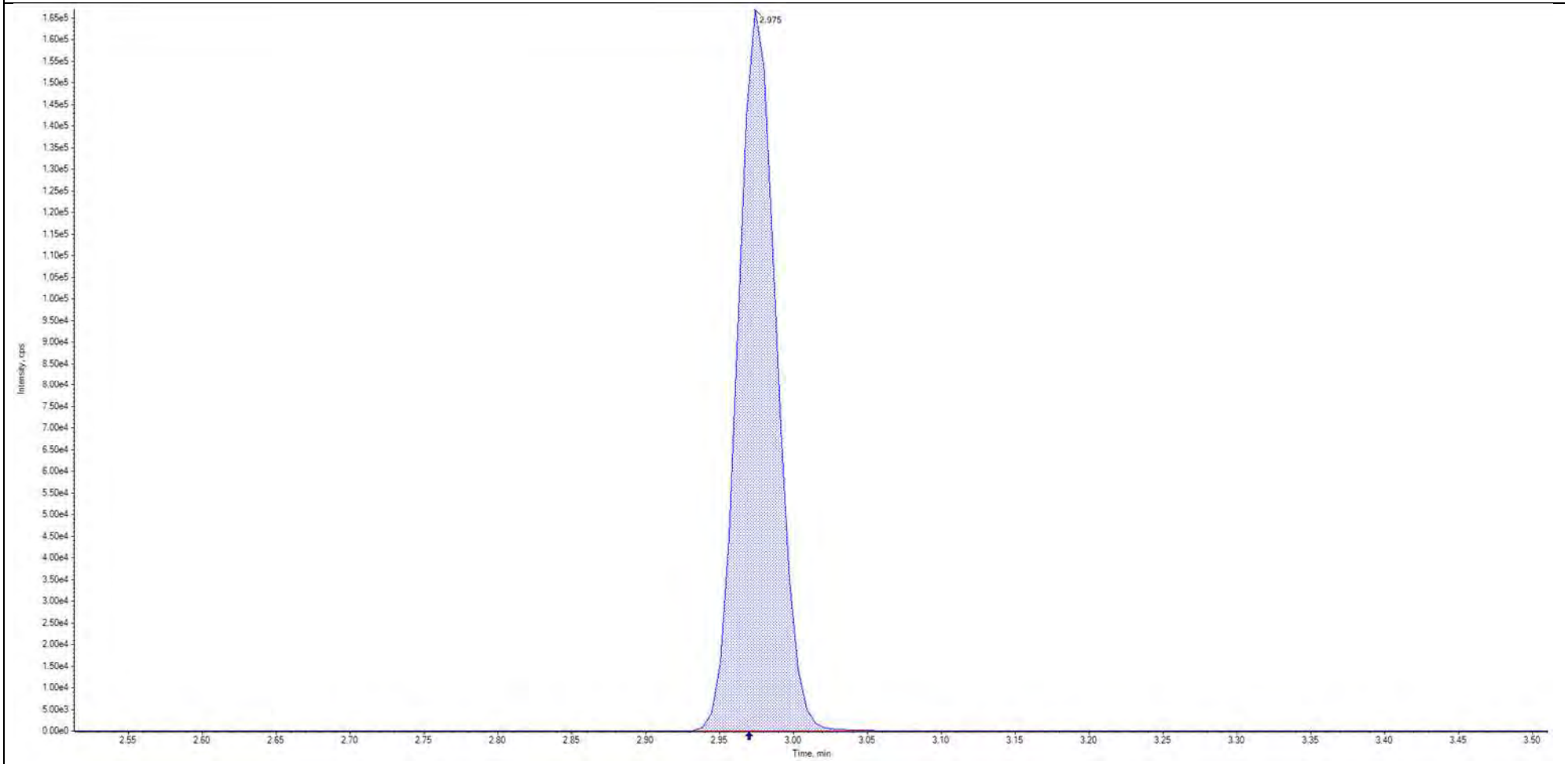
13C5-PFNA
Sample: IA1633STD-.2



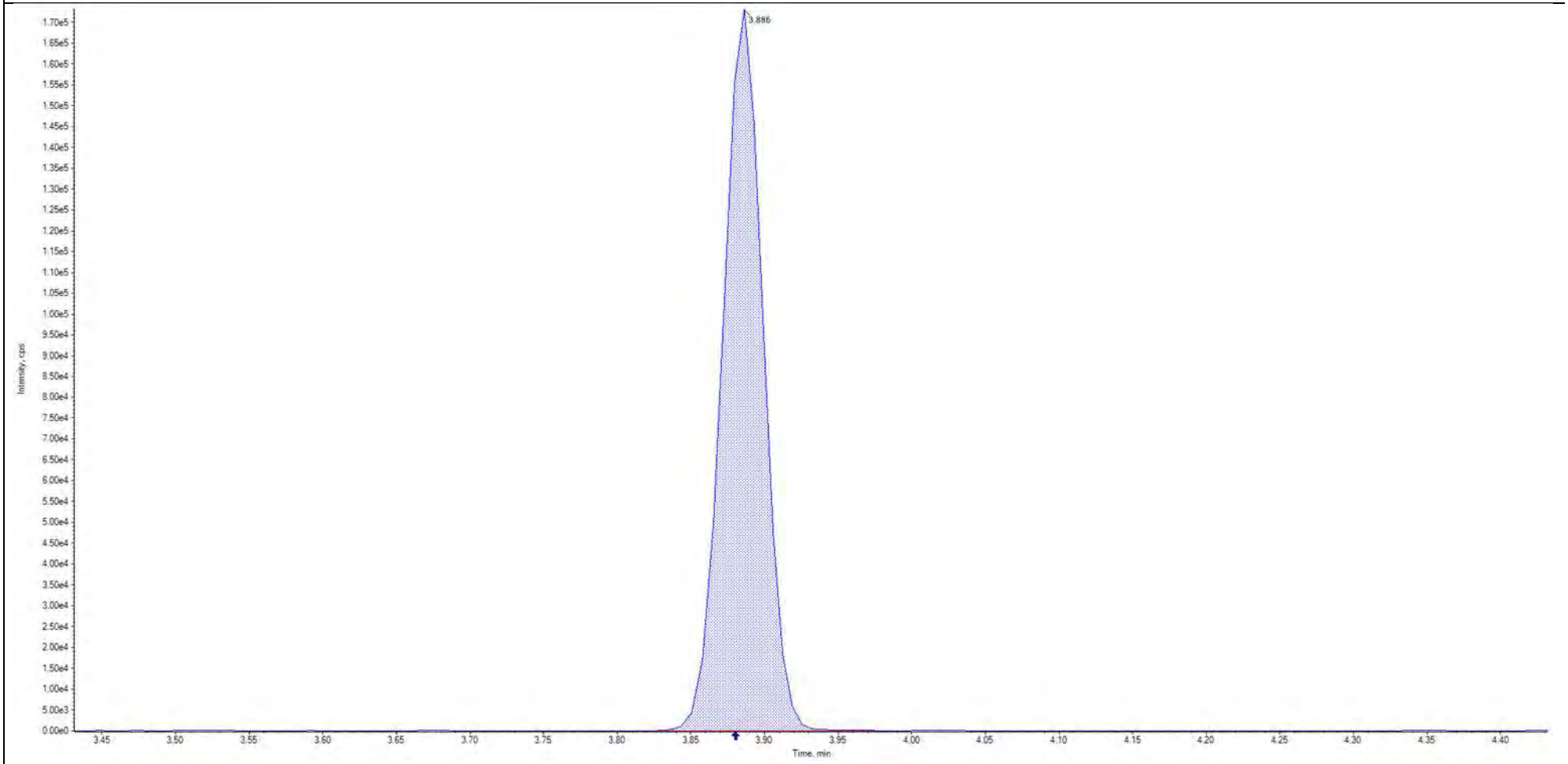
13C2-PFDA
Sample: IA1633STD-.2



18O2-PFHxS
Sample: IA1633STD-.2



13C4-PFOS
Sample: IA1633STD-.2



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_17.wiff2_2
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_18.wiff2_3
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

Method: EPA1633F.qmethod
Calibration: 241112_1633_ICAL

ID: IA1633STD-.5
Name: SCI09_241112_18.wiff2
Date & Time: 2024-11-12T14:05:17
Description: WG1996415
Instrument: SCIEX Triple Quad 5500+
User: LCMS09:PNB

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.56	213.0 / 169.0	261217		1.937	N/A	N/A	N/A	96.9
2	PFPeA	2706-90-3	1.09	263.0 / 219.0	114192		0.972	0.008	N/A	N/A	97.2
3	PFPeA_2	2706-90-3	1.09	263.0 / 68.9	967	M2	0.944	0.008	N/A	N/A	94.4
4	PFHxA	307-24-4	1.83	313.0 / 269.0	80502		0.483	0.082	0.089	Pass	96.6
5	PFHxA_2	307-24-4	1.83	313.0 / 119.0	6572		0.434	0.082	0.089	Pass	86.8
6	PFHpA	375-85-9	2.40	363.1 / 319.0	89346		0.513	0.380	0.384	Pass	102.6
7	PFHpA_2	375-85-9	2.40	363.1 / 169.0	33958		0.501	0.380	0.384	Pass	100.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	2.89	413.1 / 369.1	92553	M5	0.493	0.376	0.410	Pass	98.6
9	PFOA_2	335-67-1	2.89	413.1 / 169.0	34817	M5	0.453	0.376	0.410	Pass	90.6
10	PFNA	375-95-1	3.33	462.8 / 418.9	89768	M5	0.507	0.337	0.341	Pass	101.3
11	PFNA_2	375-95-1	3.33	462.8 / 219.0	30227	M5	0.495	0.337	0.341	Pass	99.0
12	PFDA	335-76-2	3.76	513.1 / 469.1	99688		0.486	0.177	0.215	Pass	97.2
13	PFDA_2	335-76-2	3.76	513.1 / 219.0	17598		0.456	0.177	0.215	Pass	91.2
14	PFUnA	2058-94-8	4.16	563.1 / 519.1	110938		0.490	0.148	0.151	Pass	98.1
15	PFUnA_2	2058-94-8	4.16	563.1 / 269.0	16382		0.487	0.148	0.151	Pass	97.3
16	PFDoA	307-55-1	4.56	613.1 / 569.1	117653		0.478	0.130	0.140	Pass	95.5
17	PFDoA_2	307-55-1	4.56	613.1 / 319.0	15247		0.441	0.130	0.140	Pass	88.1
18	PFTrDA	72629-94-8	4.94	663.1 / 619.1	114629		0.511	0.164	0.159	Pass	102.2
19	PFTrDA_2	72629-94-8	4.93	663.1 / 169.0	18778		0.541	0.164	0.159	Pass	108.2
20	PFTeDA	376-06-7	5.30	713.1 / 669.1	102060		0.492	0.163	0.159	Pass	98.5
21	PFTeDA_2	376-06-7	5.30	713.1 / 169.0	16593		0.501	0.163	0.159	Pass	100.2
22	PFBS	375-73-5	1.82	299.1 / 80.1	66798		0.430	0.370	0.398	Pass	96.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	1.82	299.1 / 99.1	24686		0.456	0.370	0.398	Pass	97.1
24	PFPeS	2706-91-4	2.46	349.1 / 80.1	65391		0.446	0.312	0.285	Pass	94.9
25	PFPeS_2	2706-91-4	2.46	349.1 / 99.1	20423		0.445	0.312	0.285	Pass	94.7
26	PFHxS	355-46-4	2.99	399.1 / 80.1	57241	M5	0.407	0.302	0.293	Pass	89.2
27	PFHxS_2	355-46-4	2.99	399.1 / 99.1	17296	M5	0.427	0.302	0.293	Pass	93.7
28	PFHpS	375-92-8	3.46	449.1 / 80.1	60055		0.413	0.293	0.308	Pass	86.7
29	PFHpS_2	375-92-8	3.46	449.1 / 99.1	17609		0.414	0.293	0.308	Pass	87.0
30	PFOS	1763-23-1	3.89	499.1 / 80.1	69507	M5	0.412	0.285	0.241	Pass	88.7
31	PFOS_2	1763-23-1	3.89	499.1 / 99.1	19842	M5	0.485	0.285	0.241	Pass	104.5
32	PFNS	68259-12-1	4.31	549.1 / 80.1	57392		0.472	0.281	0.299	Pass	98.4
33	PFNS_2	68259-12-1	4.31	549.1 / 99.1	16107		0.455	0.281	0.299	Pass	94.7
34	PFDS	335-77-3	4.71	599.1 / 80.1	58087		0.450	0.284	0.274	Pass	93.3
35	PFDS_2	335-77-3	4.70	599.1 / 99.1	16469		0.446	0.284	0.274	Pass	92.6
36	PFDoS	79780-39-5	5.44	699.2 / 80.1	53603		0.477	0.249	0.247	Pass	98.5
37	PFDoS_2	79780-39-5	5.44	699.2 / 99.1	13326		0.462	0.249	0.247	Pass	95.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	1.63	327.1 / 307.1	57923		1.766	0.676	0.634	Pass	94.5
39	4:2FTS_2	757124-72-4	1.63	327.1 / 81.1	39164		1.890	0.676	0.634	Pass	101.1
40	6:2FTS	27619-97-2	2.71	427.2 / 407.2	53281		1.895	0.604	0.609	Pass	99.8
41	6:2FTS_2	27619-97-2	2.71	427.2 / 81.1	32164		1.842	0.604	0.609	Pass	96.9
42	8:2FTS	39108-34-4	3.57	527.2 / 507.2	57007		2.150	0.625	0.681	Pass	112.0
43	8:2FTS_2	39108-34-4	3.57	527.2 / 81.1	35633		2.074	0.625	0.681	Pass	108.0
44	PFOSA	754-91-6	5.18	498.1 / 78.1	100870	M5	0.484	0.022	0.024	Pass	96.7
45	PFOSA_2	754-91-6	5.18	498.1 / 478.0	2216	M5	0.431	0.022	0.024	Pass	86.1
46	NMeFOSA	31506-32-8	5.93	512.2 / 219.0	22369	M5	0.503	1.379	1.421	Pass	100.7
47	NMeFOSA_2	31506-32-8	5.89	512.2 / 169.0	30852	M5	0.483	1.379	1.421	Pass	96.5
48	NEtFOSA	4151-50-2	6.22	526.2 / 219.0	20910	M5	0.500	1.312	1.258	Pass	100.0
49	NEtFOSA_2	4151-50-2	6.18	526.2 / 169.0	27442	M5	0.508	1.312	1.258	Pass	101.5
50	NMeFOSAA	2355-31-9	3.89	570.2 / 419.1	10473	M5	0.489	0.692	0.683	Pass	97.8
51	NMeFOSAA_2	2355-31-9	3.89	570.2 / 483.0	7245	M5	0.483	0.692	0.683	Pass	96.6
52	NEtFOSAA	2991-50-6	4.11	584.2 / 419.1	12232	M5	0.495	0.478	0.571	Pass	99.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.10	584.2 / 526.2	5843	M5	0.407	0.478	0.571	Pass	81.4
54	NMeFOSE	24448-09-7	5.79	616.1 / 58.9	301172	M5	4.835	N/A	N/A	N/A	96.7
55	NEtFOSE	1691-99-2	6.09	630.0 / 58.9	408894	M5	4.838	N/A	N/A	N/A	96.8
56	HFPO-DA	13252-13-6	2.04	285.0 / 169.0	242802		1.930	0.571	0.510	Pass	96.5
57	HFPO-DA_2	13252-13-6	2.04	285.0 / 184.9	138523		2.054	0.571	0.510	Pass	102.7
58	ADONA	919005-14-4	2.59	376.9 / 251.0	389056		1.723	0.903	0.636	Pass	91.1
59	ADONA_2	919005-14-4	2.59	376.9 / 84.8	351410		2.046	0.903	0.636	Pass	108.3
60	9Cl-PF3ONS	756426-58-1	4.18	530.8 / 351.1	581697		1.913	0.333	0.326	Pass	102.3
61	9Cl-PF3ONS_2	756426-58-1	4.18	532.8 / 353.0	193882		1.907	0.333	0.326	Pass	102.0
62	11Cl-PF3OUdS	763051-92-9	4.97	630.9 / 451.0	513340		1.906	0.315	0.318	Pass	100.8
63	11Cl-PF3OUdS_2	763051-92-9	4.97	632.9 / 452.9	161749		1.875	0.315	0.318	Pass	99.2
64	3:3FTCA	356-02-5	1.46	241.1 / 177.1	21460		2.266	1.021	1.068	Pass	90.7
65	3:3FTCA_2	356-02-5	1.46	241.1 / 117.0	21921		2.160	1.021	1.068	Pass	86.4
66	5:3FTCA	914637-49-3	2.94	341.1 / 237.1	507498		11.608	1.074	1.045	Pass	92.9
67	5:3FTCA_2	914637-49-3	2.94	341.1 / 217.0	544966		12.192	1.074	1.045	Pass	97.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	3.97	441.1 / 316.9	458510		12.966	1.390	1.285	Pass	103.7
69	7:3FTCA_2	812-70-4	3.97	441.1 / 337.1	637244		13.895	1.390	1.285	Pass	111.2
70	PFEESA	113507-82-7	2.12	315.1 / 135.0	393779		0.821	0.077	0.081	Pass	92.0
71	PFEESA_2	113507-82-7	2.12	315.1 / 82.9	30218		0.776	0.077	0.081	Pass	87.0
72	PFMPA	377-73-1	0.70	229.0 / 85.0	127253		0.909	N/A	N/A	N/A	90.9
73	PFMBA	863090-89-5	1.35	279.0 / 85.0	143322		0.959	N/A	N/A	N/A	95.9
74	NFDHA	151772-58-6	1.76	295.0 / 201.0	93584		0.929	0.733	0.681	Pass	92.9
75	NFDHA_2	151772-58-6	1.76	295.0 / 84.9	68613		0.945	0.733	0.681	Pass	94.5
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	5.357	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	5.357	N/A	N/A
78	13C2D4-4:2FTS	Surr	1.62	333.2 / 312.1	110311		5.058	N/A	N/A	N/A	101.2
79	13C2-PFOA	Surr	2.89	415.0 / 370.0	319597		2.550	N/A	N/A	N/A	102.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.56	217.0 / 172.0	1581743		10.137	NA	NA	NA	101.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.08	268.0 / 223.0	670455		5.076	NA	NA	NA	101.5
	13C5-PFHxA	EIS	1.83	318.0 / 273.0	363514		2.609	NA	NA	NA	104.4
	13C4-PFHpA	EIS	2.40	367.0 / 322.0	285991		2.459	NA	NA	NA	98.4
	13C8-PFOA	EIS	2.89	420.8 / 376.0	580942		2.631	NA	NA	NA	105.2
	13C9-PFNA	EIS	3.33	472.0 / 427.0	249747		1.191	NA	NA	NA	95.3
	13C6-PFDA	EIS	3.75	519.0 / 474.0	302661		1.293	NA	NA	NA	103.5
	13C7-PFUnA	EIS	4.16	570.0 / 525.0	347574		1.338	NA	NA	NA	107.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.55	615.1 / 570.0	350622		1.263	NA	NA	NA	101.1
	13C2-PFTeDA	EIS	5.29	715.1 / 670.1	262395		1.274	NA	NA	NA	101.9
	13C3-PFBS	EIS	1.82	302.1 / 80.1	361272		2.383	NA	NA	NA	102.3
	13C3-PFHxS	EIS	2.98	402.1 / 80.1	324429		2.415	NA	NA	NA	101.9
	13C8-PFOS	EIS	3.89	507.1 / 80.1	383488		2.575	NA	NA	NA	107.3
	13C2-4:2FTS	EIS	1.63	329.1 / 81.1	97850		4.645	NA	NA	NA	99.0
	13C2-6:2FTS	EIS	2.71	429.2 / 81.1	85587		4.577	NA	NA	NA	96.2
	13C2-8:2FTS	EIS	3.57	529.2 / 81.1	101884		4.603	NA	NA	NA	95.9

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C8-PFOSA	EIS	5.18	506.1 / 78.1	663477		2.624	NA	NA	NA	104.9
d3-NMeFOSA	EIS	5.92	515.2 / 219.0	102952		2.486	NA	NA	NA	99.5
d5-NEtFOSA	EIS	6.21	531.2 / 219.0	93961		2.501	NA	NA	NA	100.0
d3-NMeFOSAA	EIS	3.88	573.2 / 419.1	134948		5.249	NA	NA	NA	105.0
d5-NEtFOSAA	EIS	4.10	589.3 / 419.1	131019		5.171	NA	NA	NA	103.4
d7-NMeFOSE	EIS	5.77	623.2 / 58.9	722440		26.935	NA	NA	NA	107.7
d9-NEtFOSE	EIS	6.07	639.2 / 58.9	979553		27.141	NA	NA	NA	108.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.04	287.0 / 169.0	1319062		9.692	NA	NA	NA	96.9
	13C3-PFBA	NIS	0.55	216.0 / 172.0	680218		5.364	NA	NA	NA	107.3
	13C2-PFHxA	NIS	1.83	315.0 / 270.0	386625		2.596	NA	NA	NA	103.8
	13C4-PFOA	NIS	2.88	417.0 / 372.0	352037		2.442	NA	NA	NA	97.7
	13C5-PFNA	NIS	3.33	468.0 / 423.0	261103		1.279	NA	NA	NA	102.3
	13C2-PFDA	NIS	3.75	515.1 / 470.1	277764		1.317	NA	NA	NA	105.4
	18O2-PFHxS	NIS	2.98	403.1 / 84.1	280501		2.404	NA	NA	NA	101.4
	13C4-PFOS	NIS	3.89	503.1 / 80.1	296645		2.364	NA	NA	NA	98.5

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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PFBA
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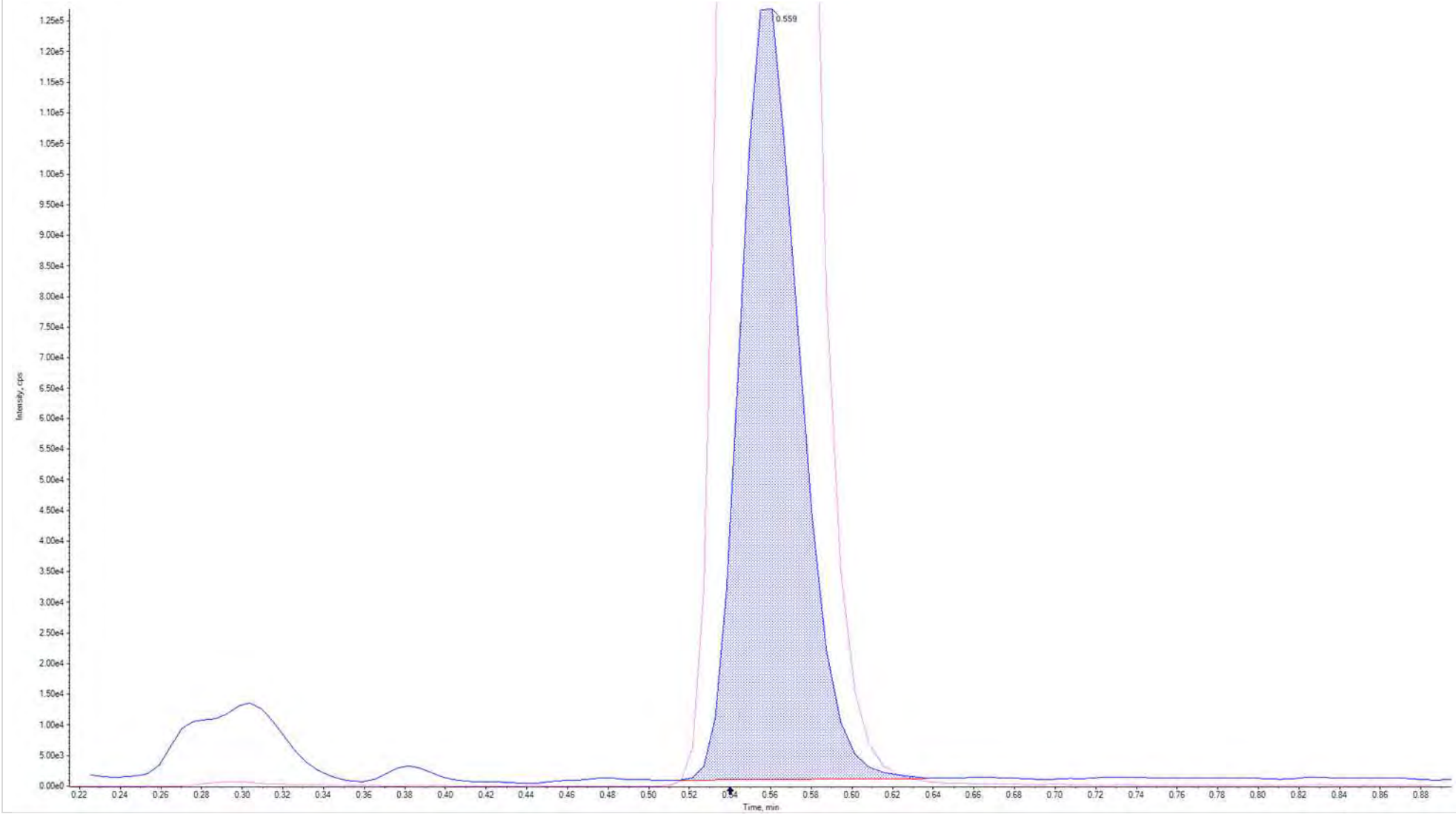

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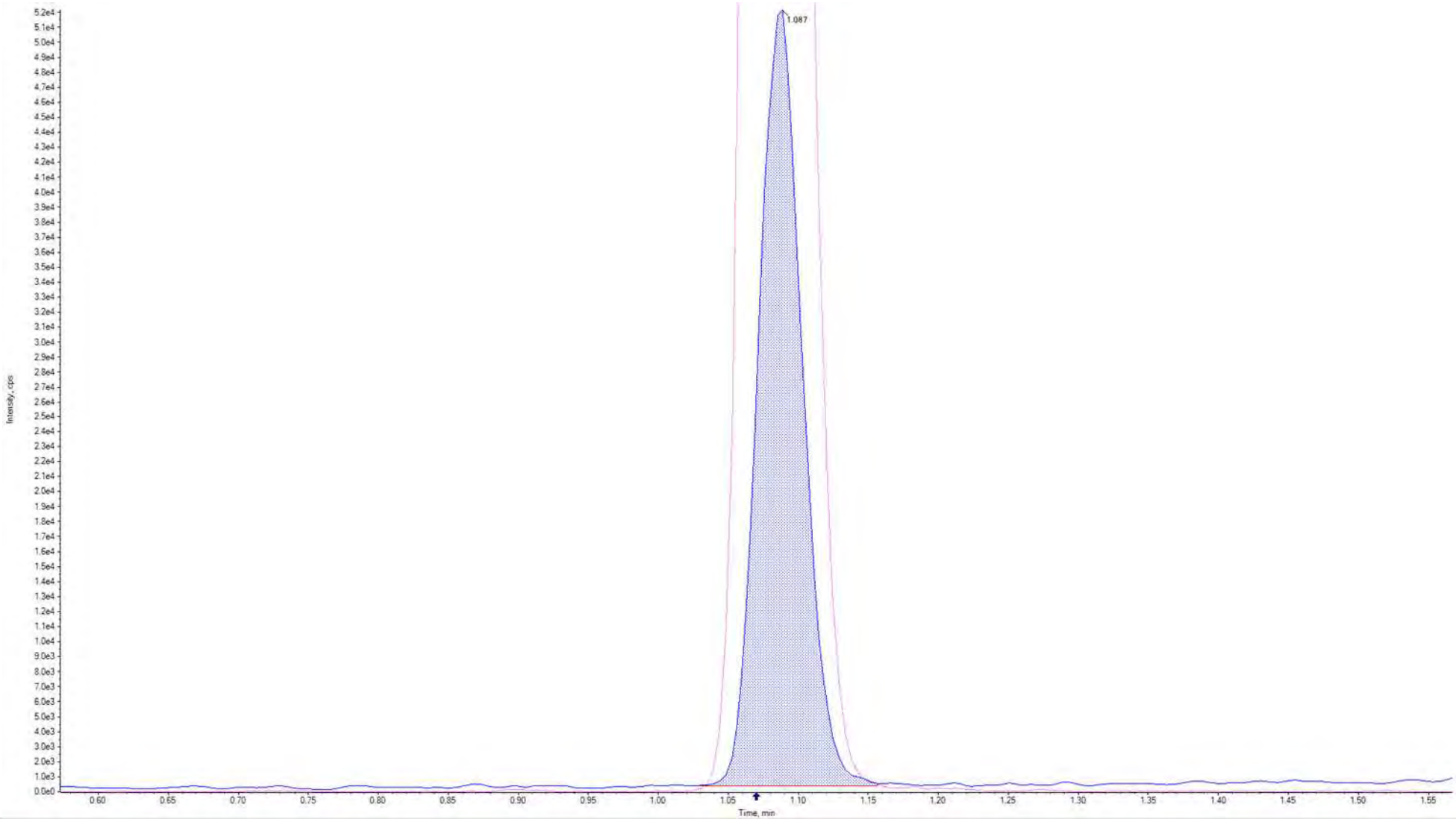
PFPeA
Sample: IA1633STD-.5 S/N:1241.2 Points Across peak:36



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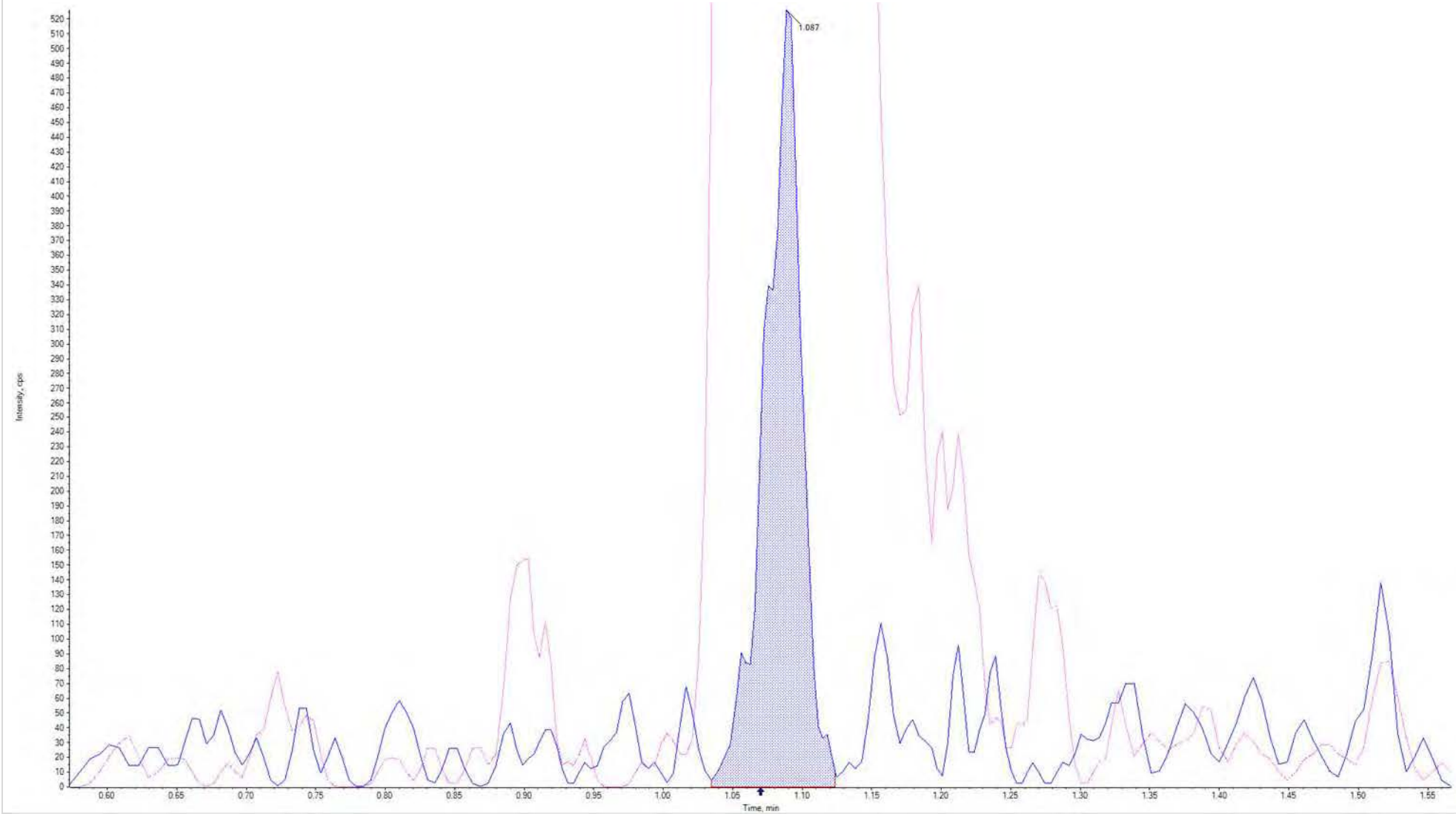
PFPeA_2
Sample: IA1633STD-.5 S/N:31.7 Points Across peak:27



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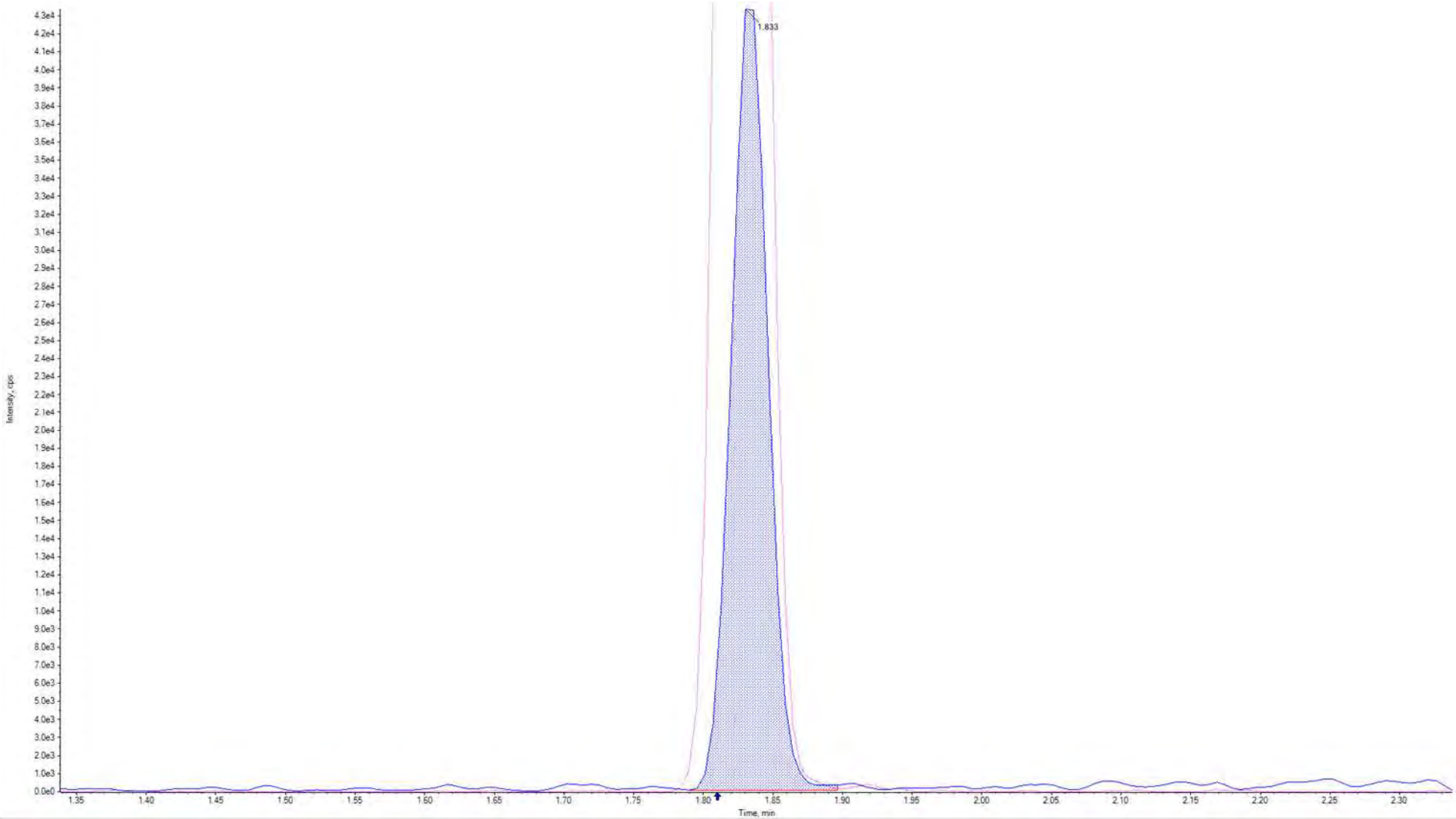
PFHxA
Sample: IA1633STD-.5 S/N:1084.5 Points Across peak:20



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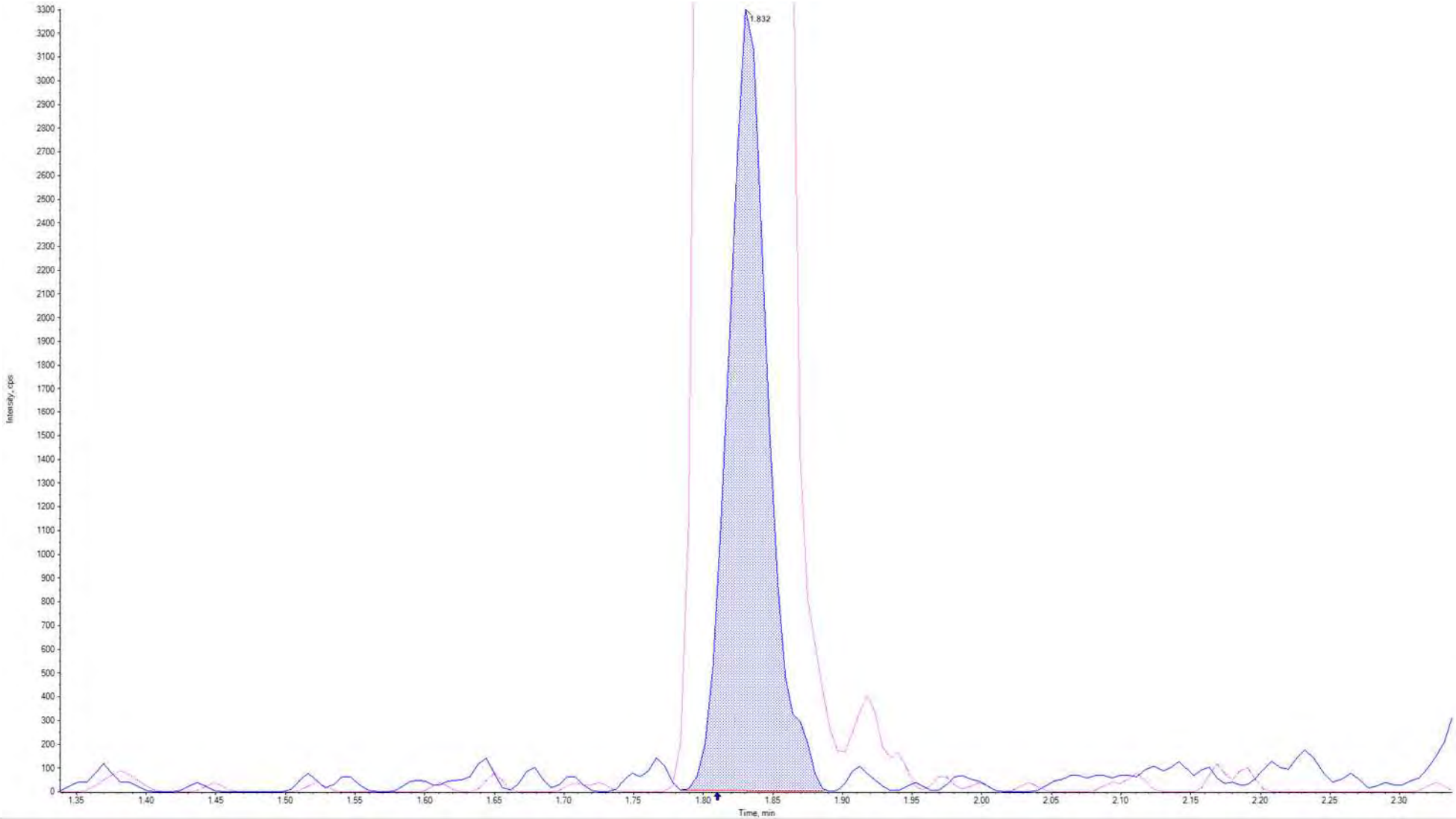
PFHxA_2
Sample: IA1633STD-.5 S/N:82.6 Points Across peak:20



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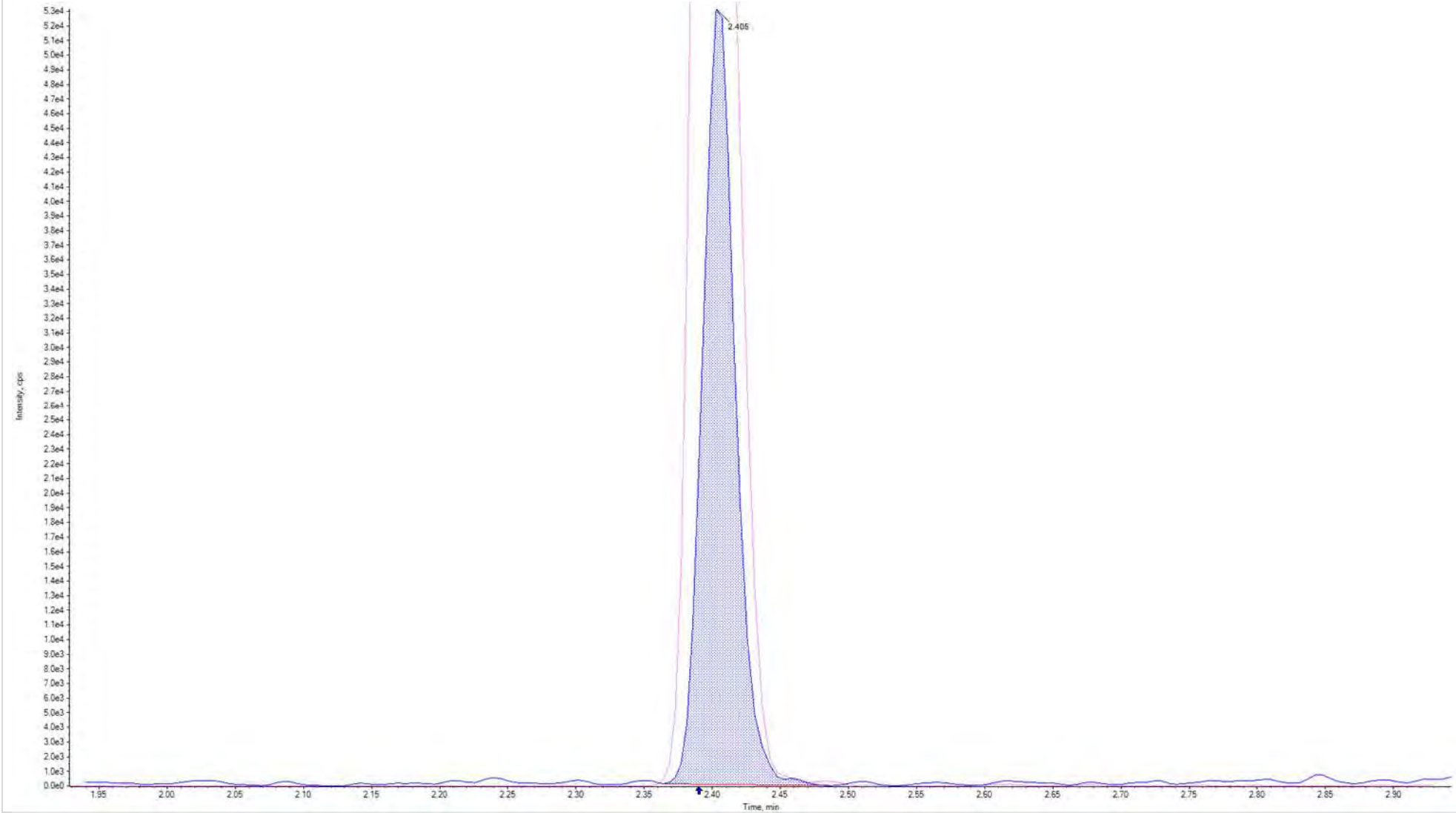
PFHpA
Sample: IA1633STD-.5 S/N:1063.7 Points Across peak:26



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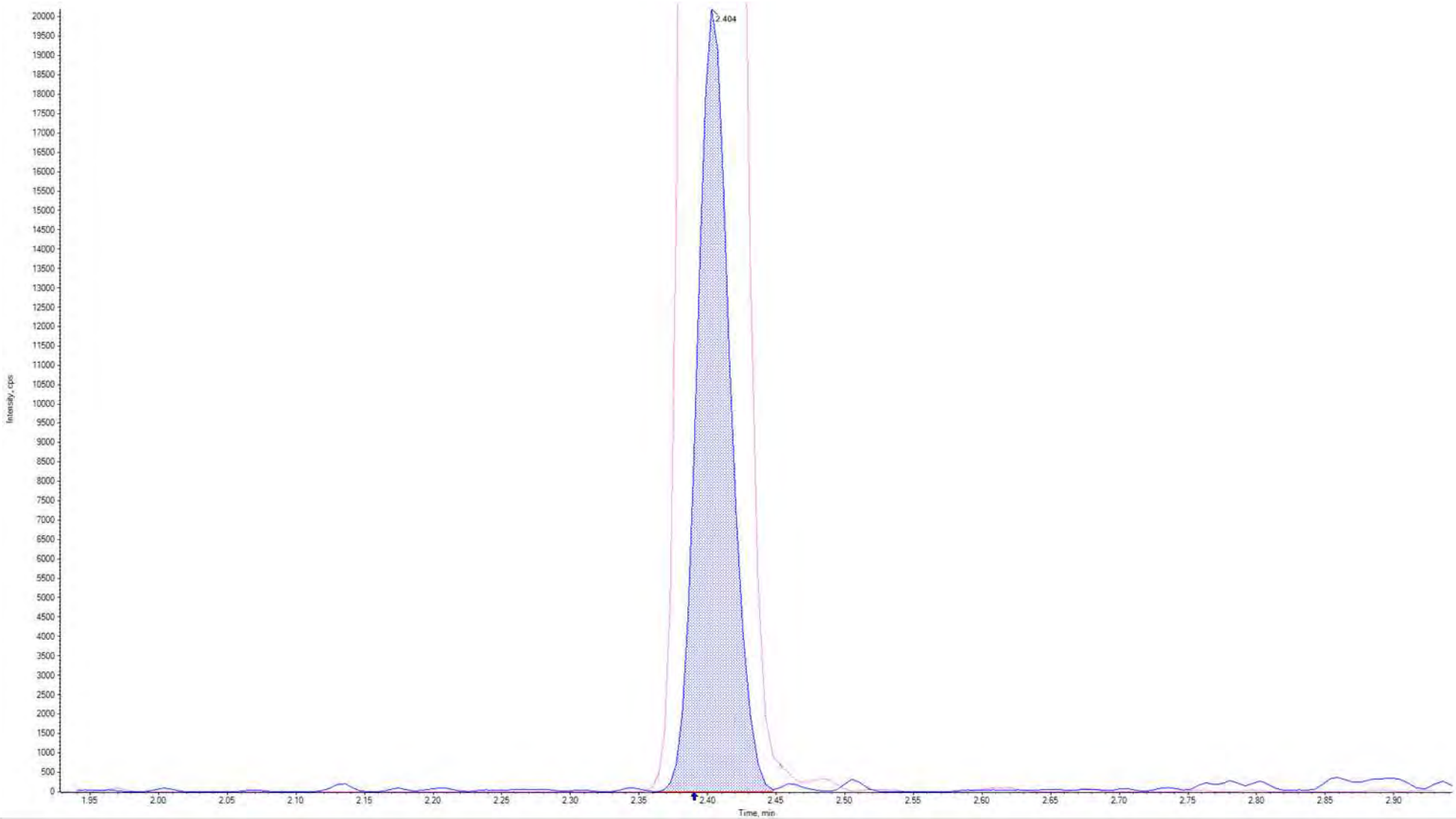
PFHpA_2
Sample: IA1633STD-.5 S/N:404.8 Points Across peak:20



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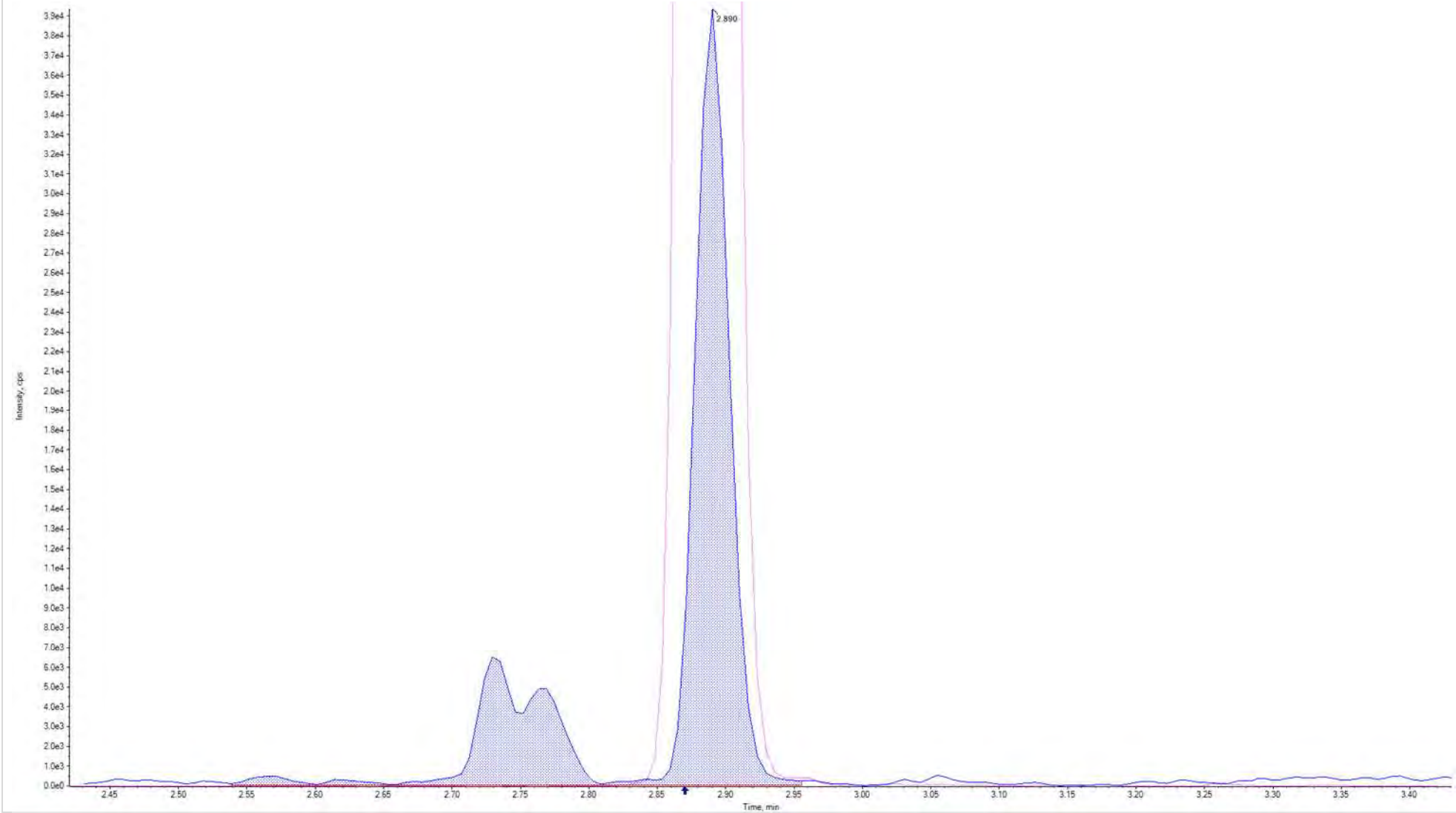
PFOA
Sample: IA1633STD-.5 S/N:310.9 Points Across peak:72



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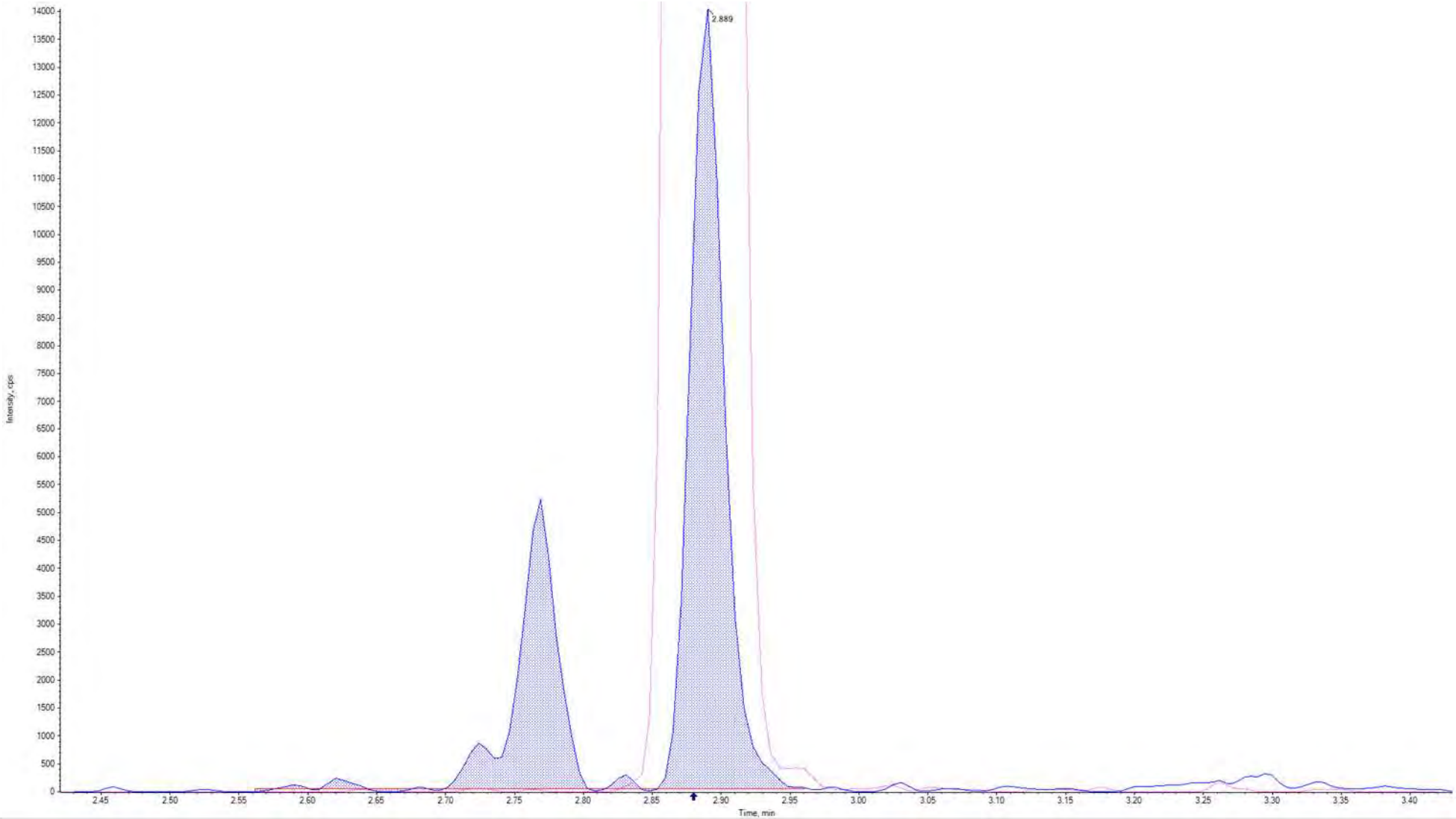
PFOA_2
Sample: IA1633STD-.5 S/N:215.2 Points Across peak:70



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PFNA
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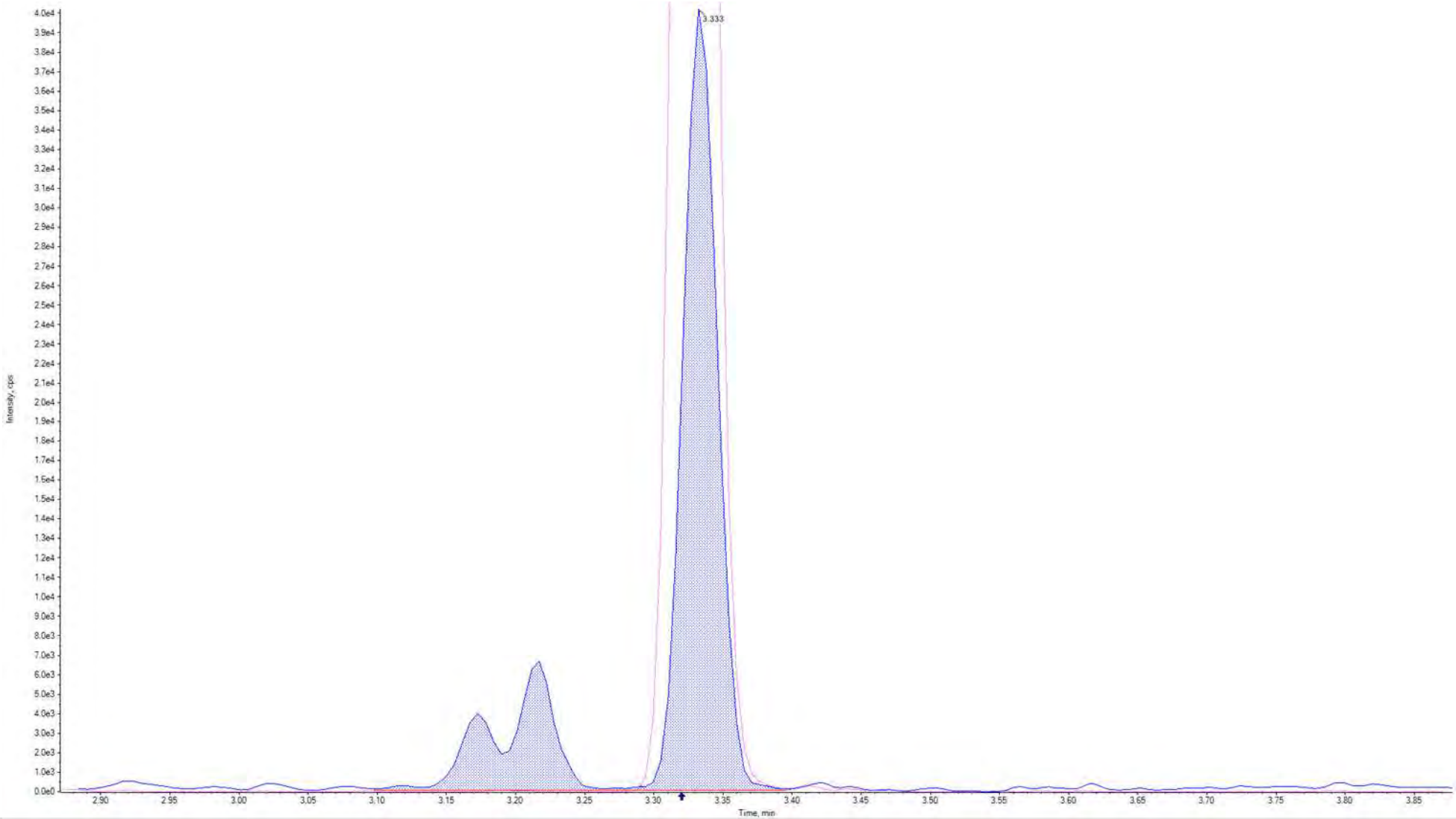

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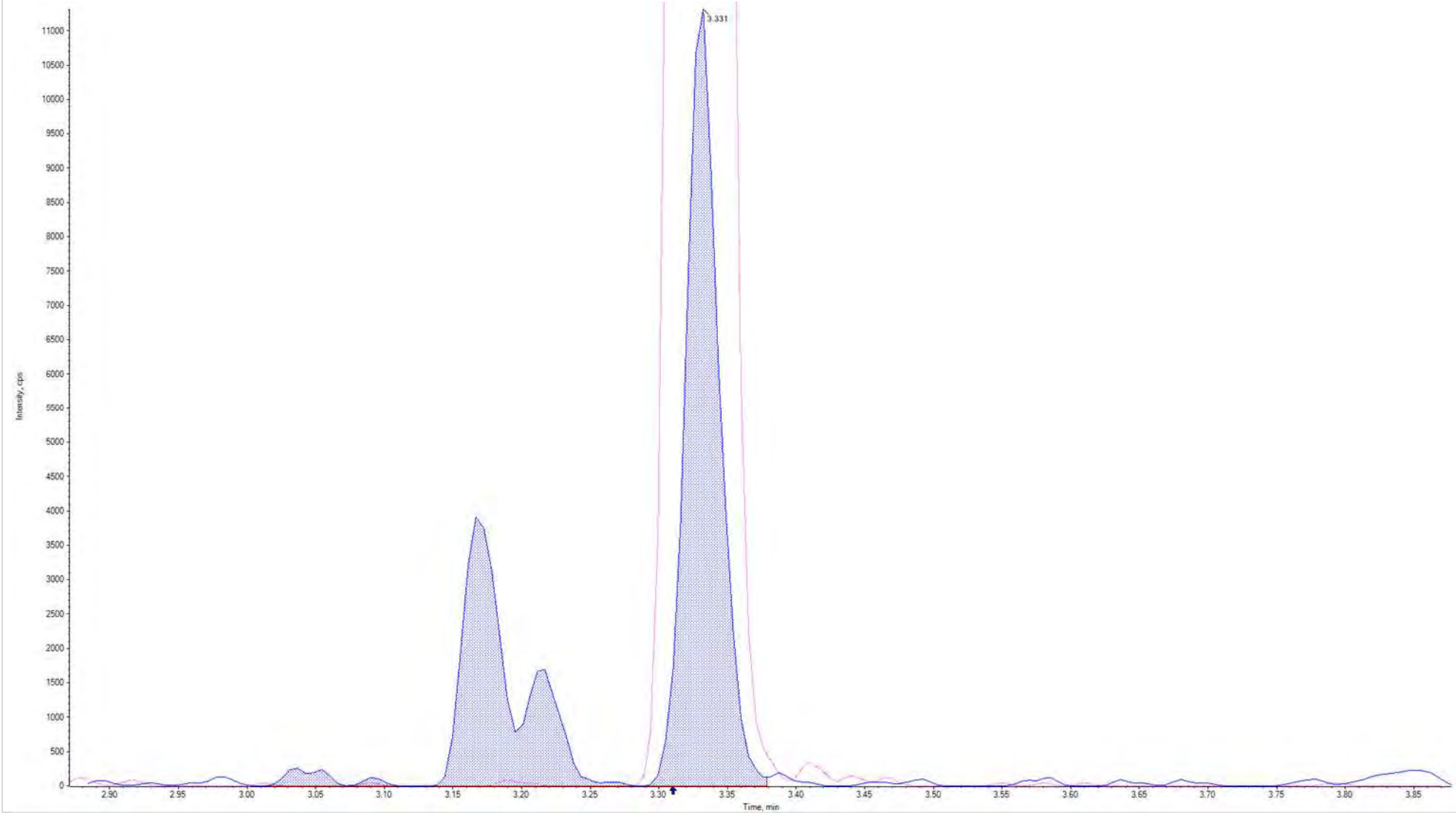
PFNA_2
Sample: IA1633STD-.5 S/N:194.5 Points Across peak:68



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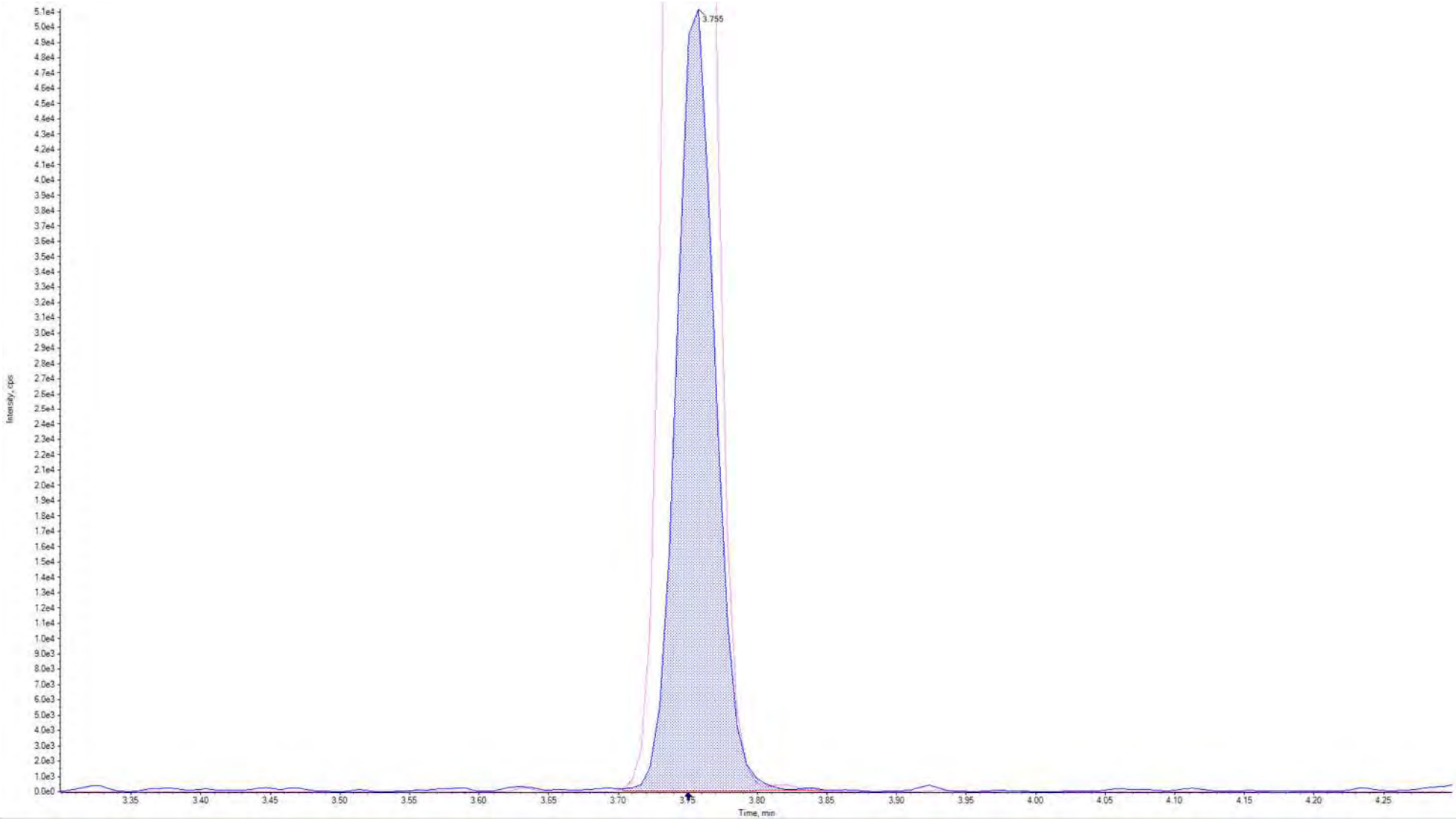
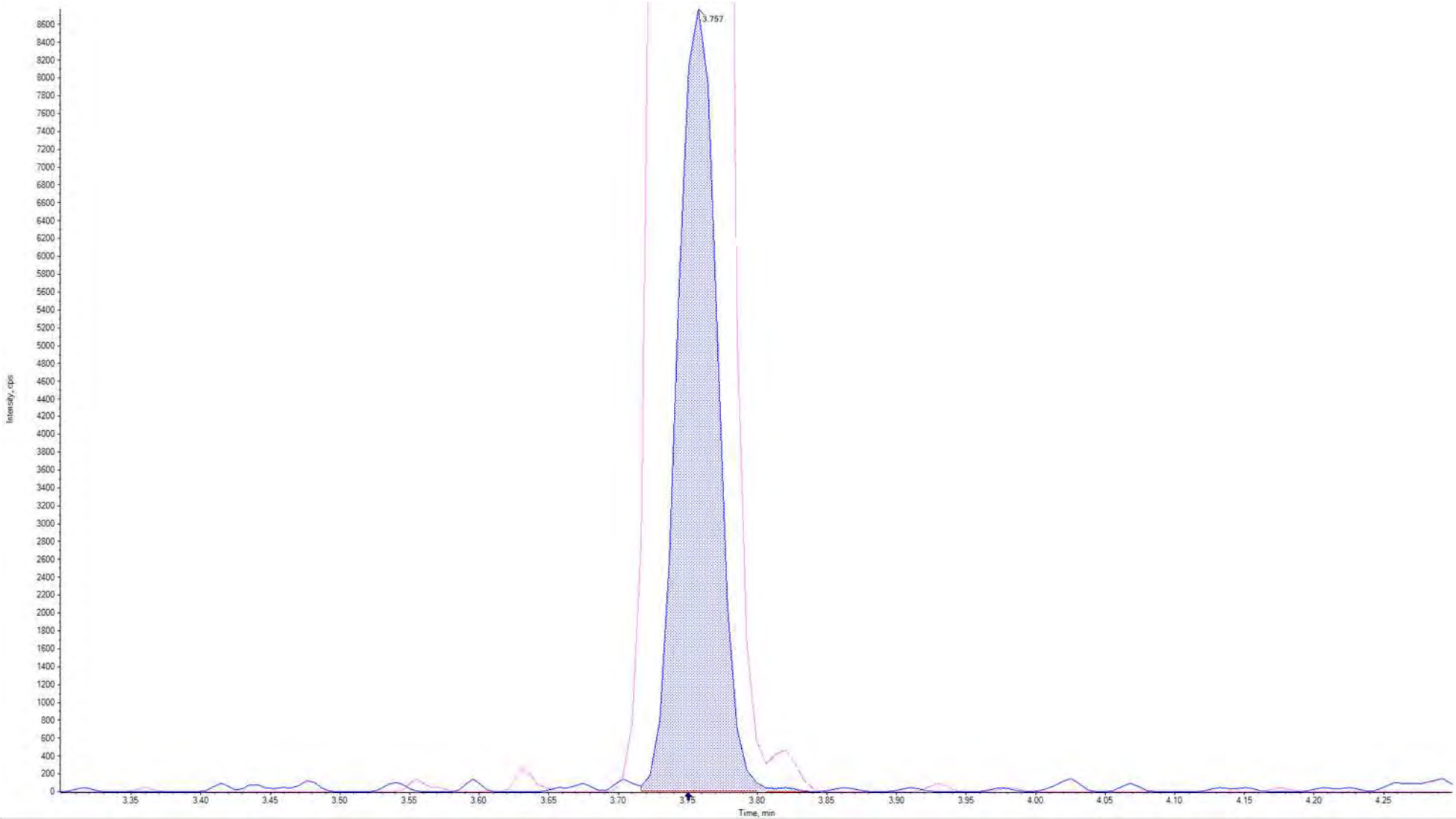
PFDA
Sample: IA1633STD-.5 S/N:1024.9 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_18.wiff2_3
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFDA_2
Sample: IA1633STD-.5 S/N:175.7 Points Across peak:19



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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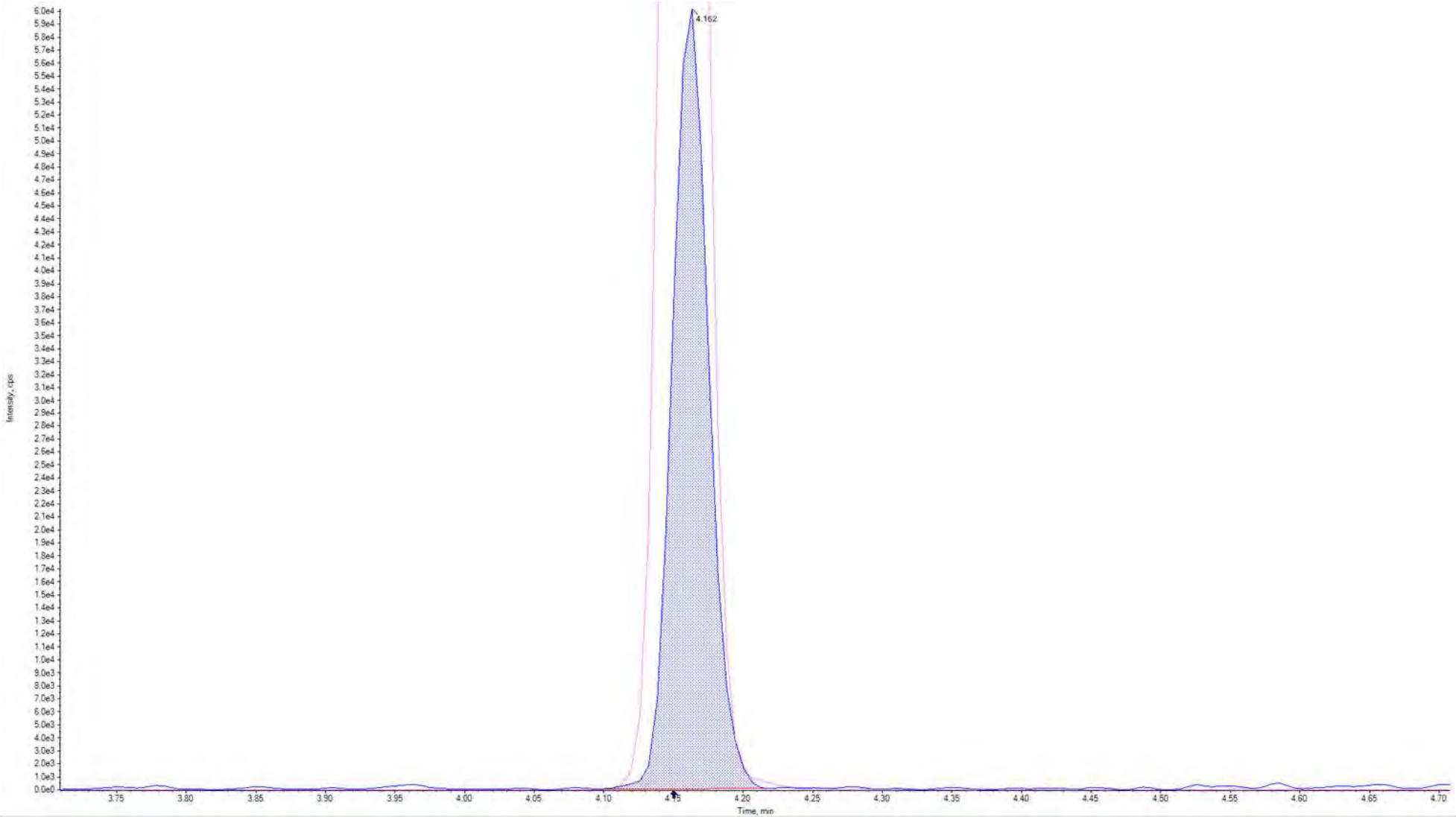
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFUnA
Sample: IA1633STD-.5 S/N:1355.2 Points Across peak:20



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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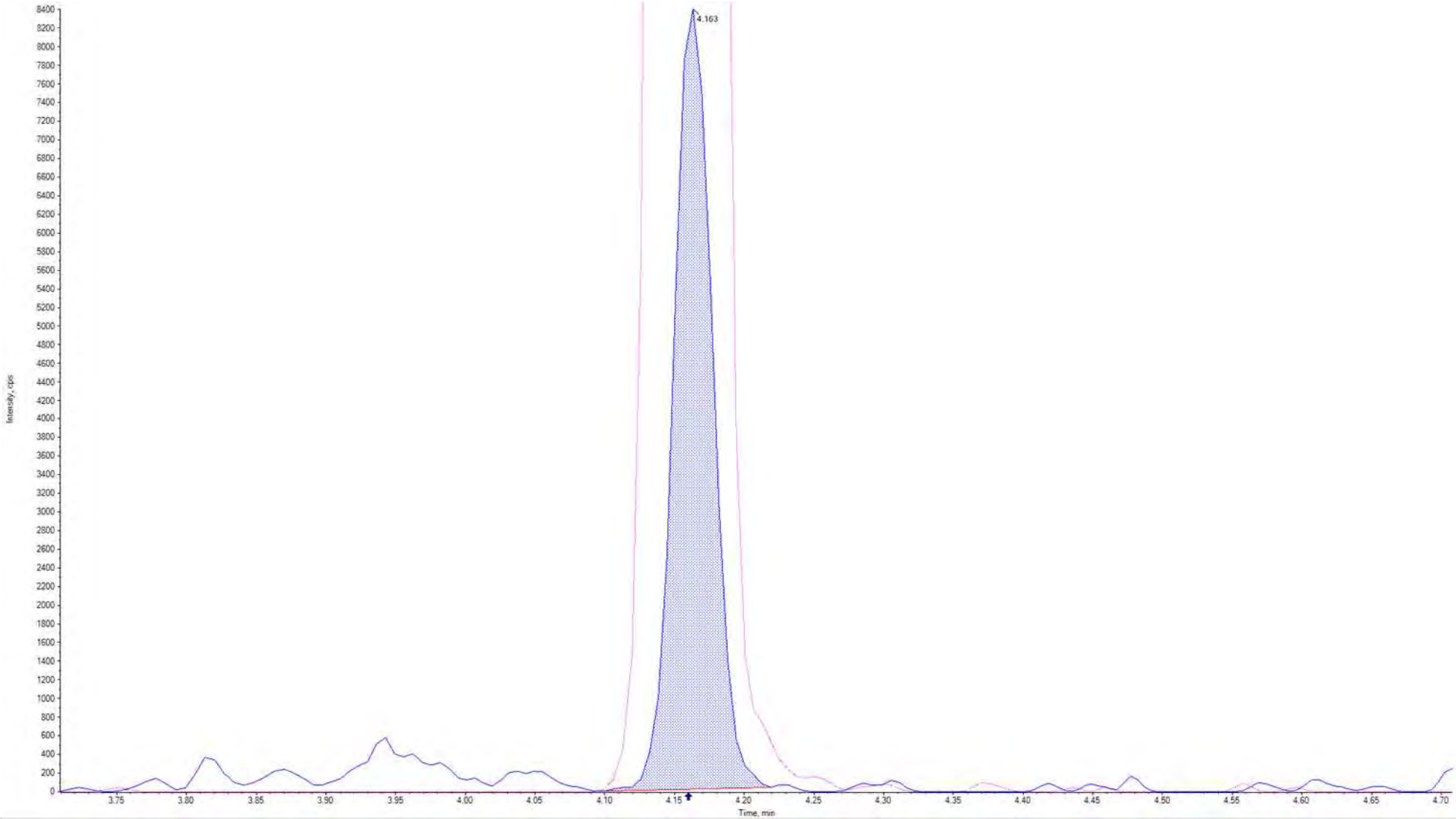
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFUnA_2
Sample: IA1633STD-.5 S/N:188.9 Points Across peak:20



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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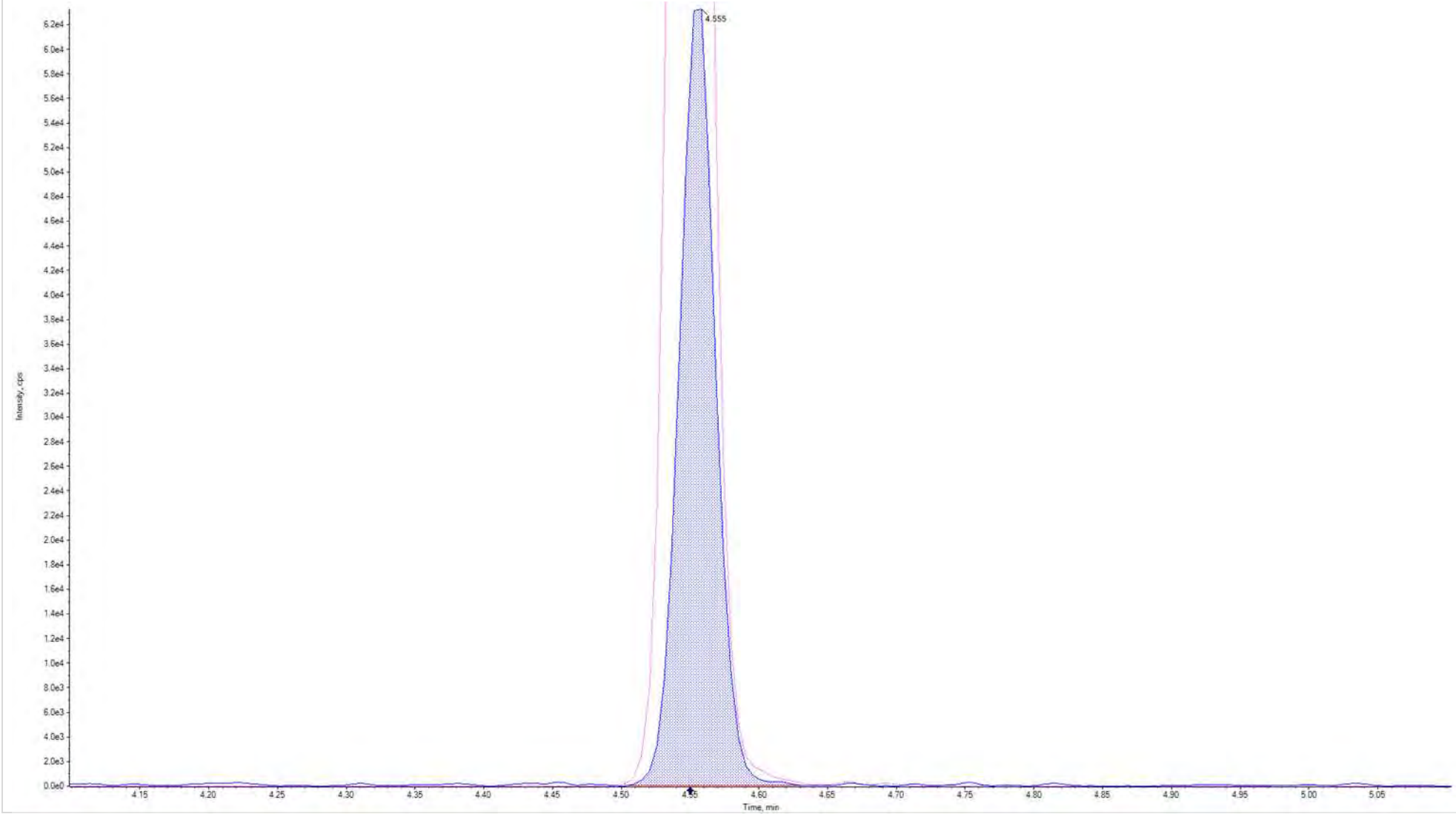
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFDoA
Sample: IA1633STD-.5 S/N:1743.4 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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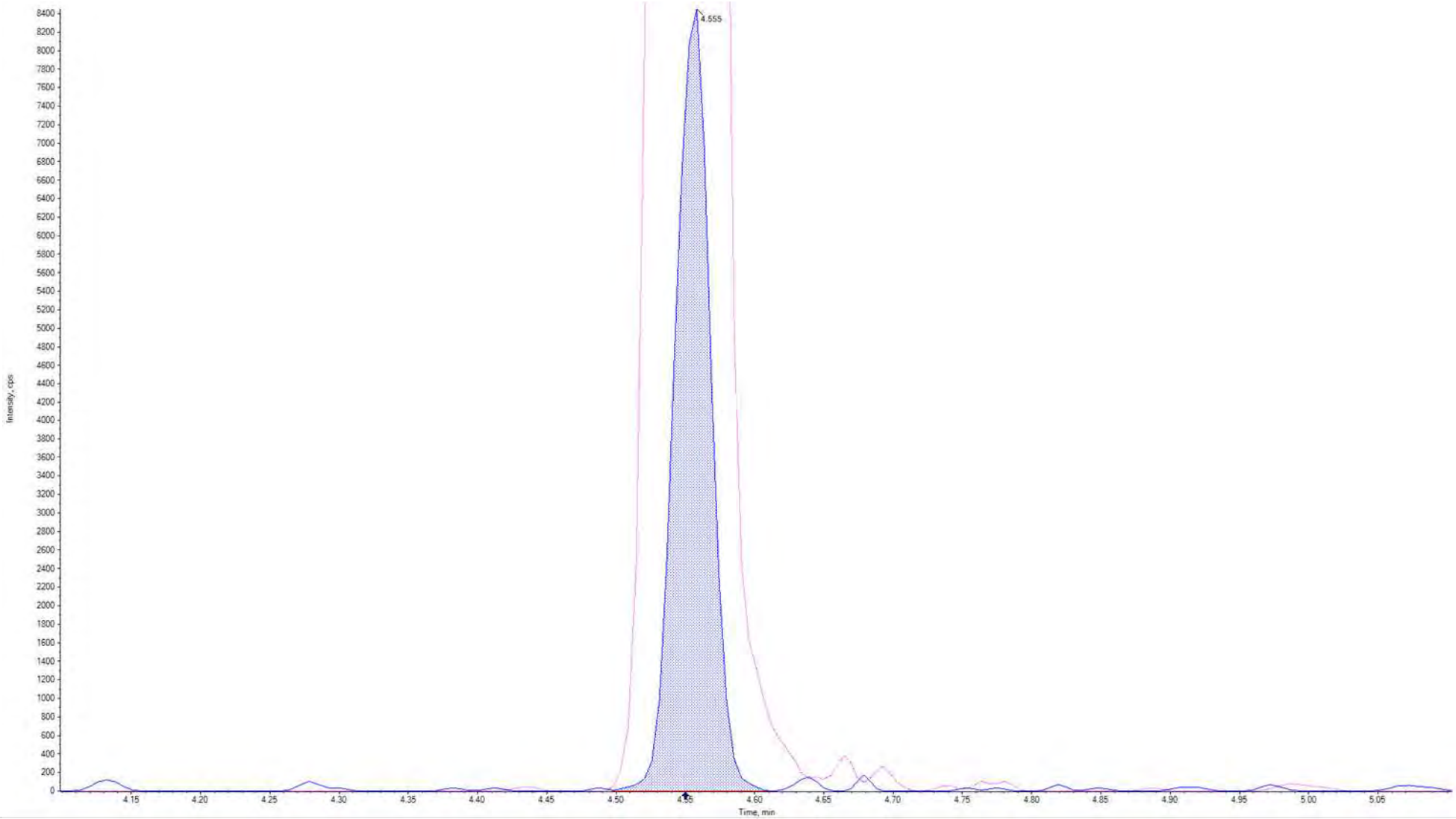
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFDoA_2
Sample: IA1633STD-.5 S/N:232.9 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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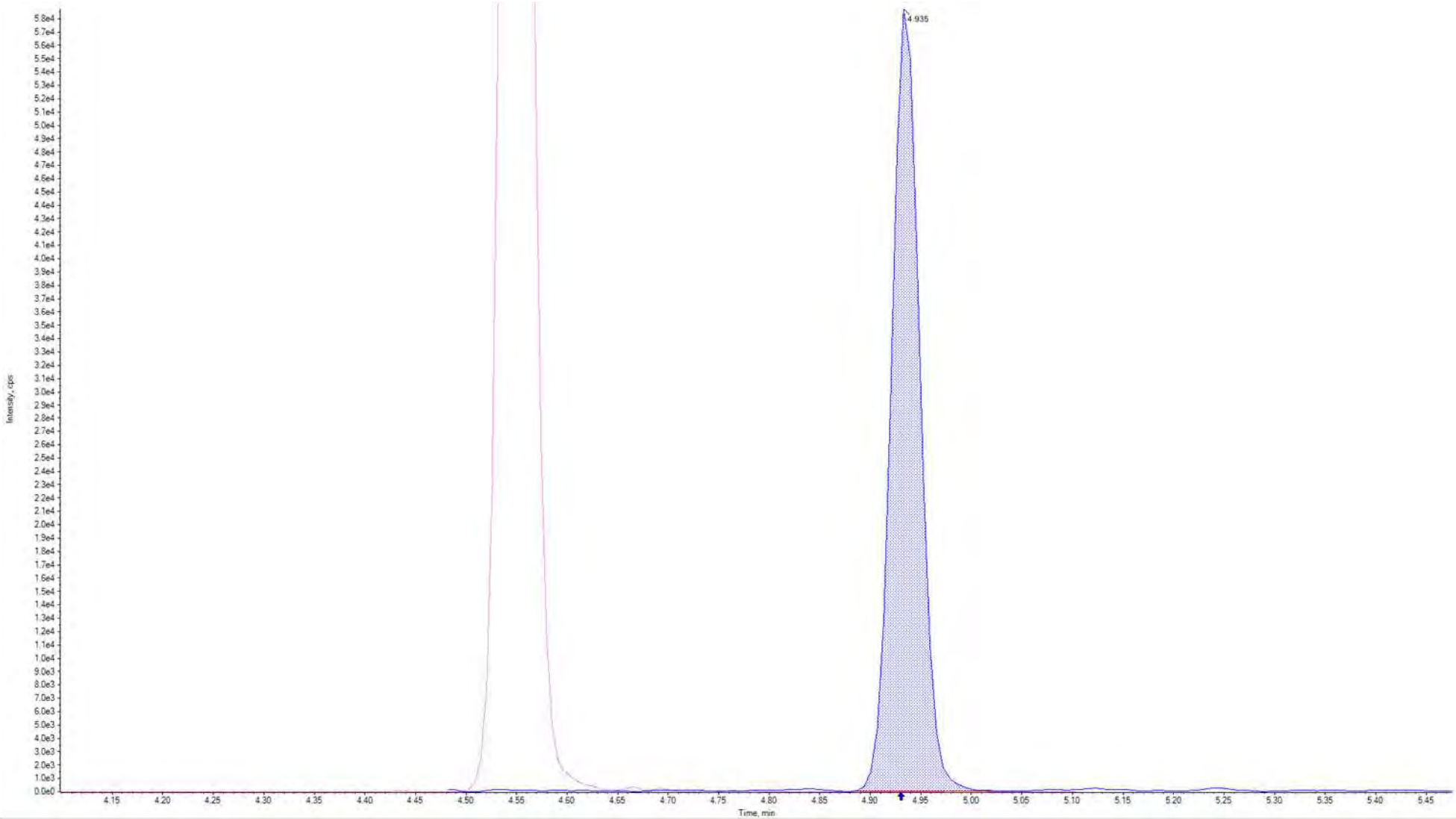
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFTrDA
Sample: IA1633STD-.5 S/N:2353.0 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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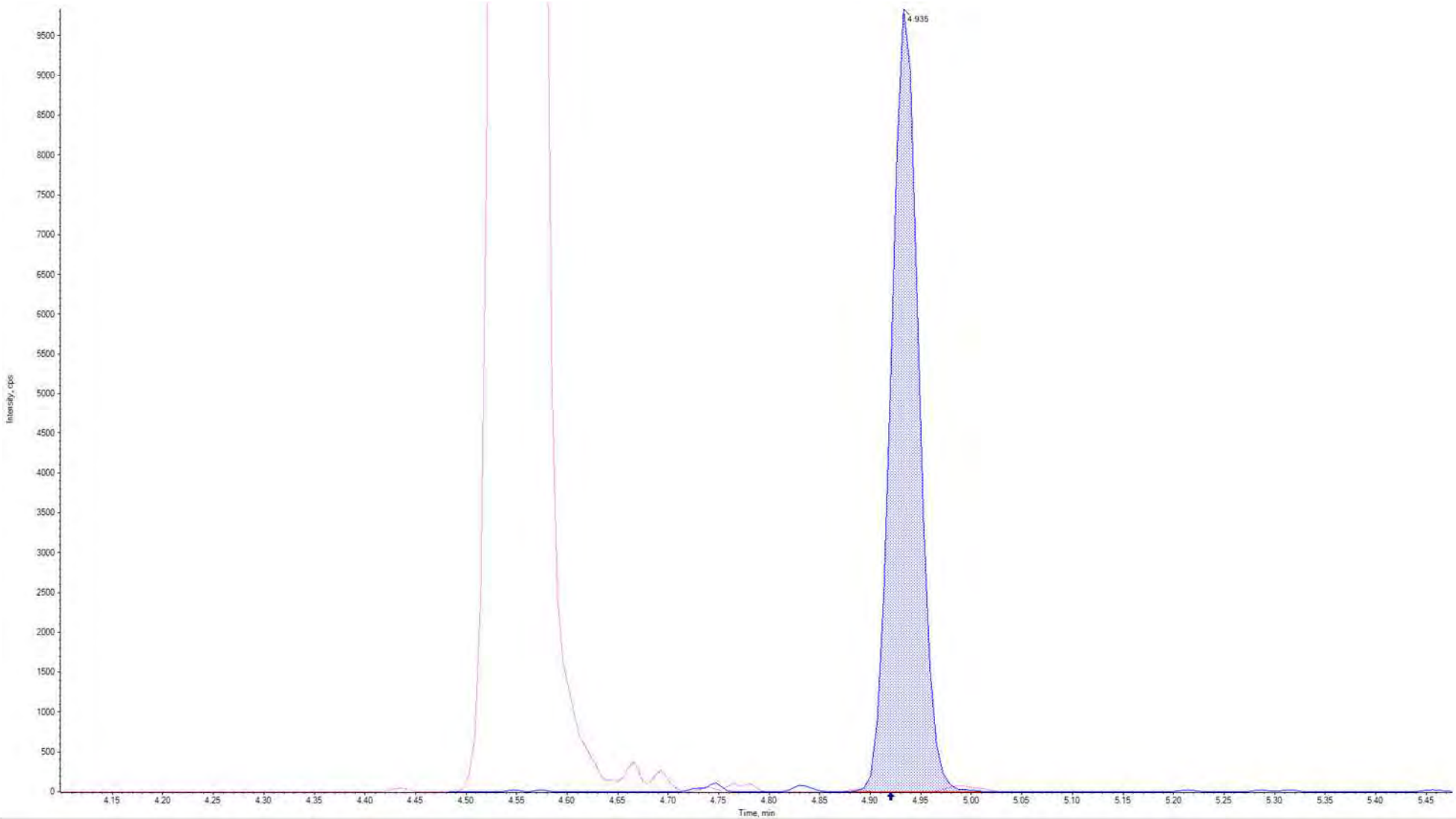
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFTrDA_2
Sample: IA1633STD-.5 S/N:394.3 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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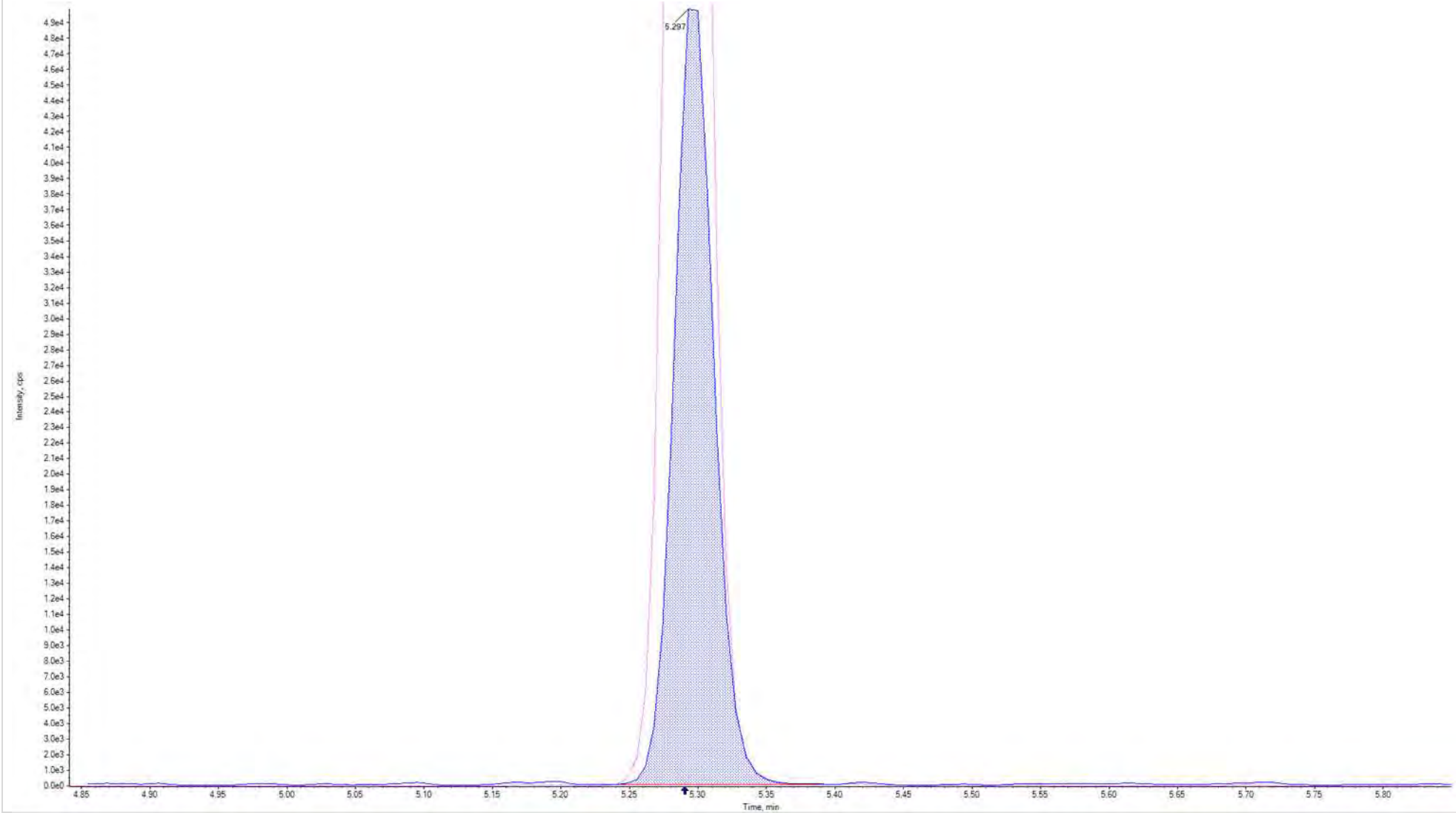
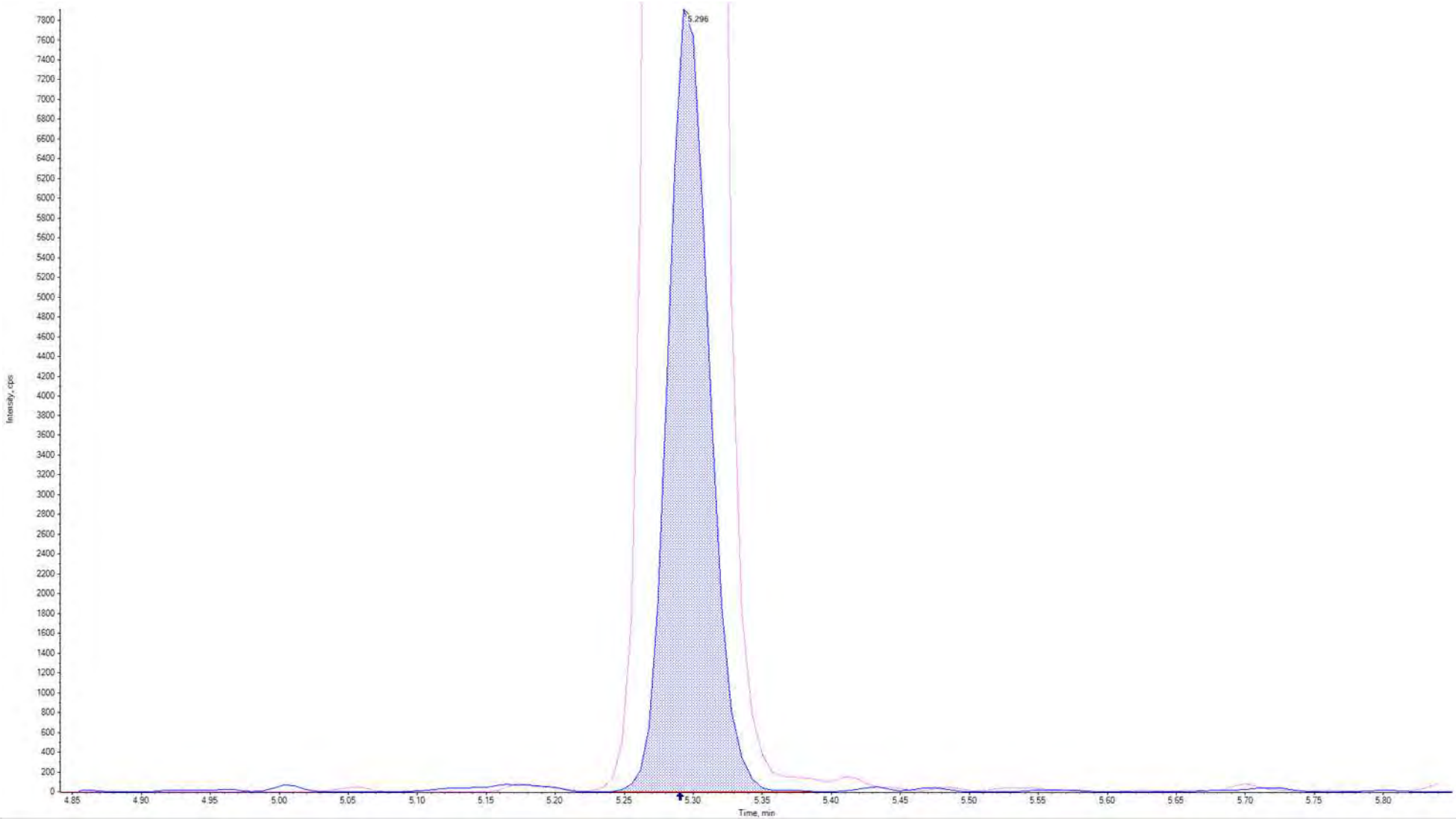
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFTeDA
Sample: IA1633STD-.5 S/N:1451.0 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_18.wiff2_3
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFTeDA_2
Sample: IA1633STD-.5 S/N:495.7 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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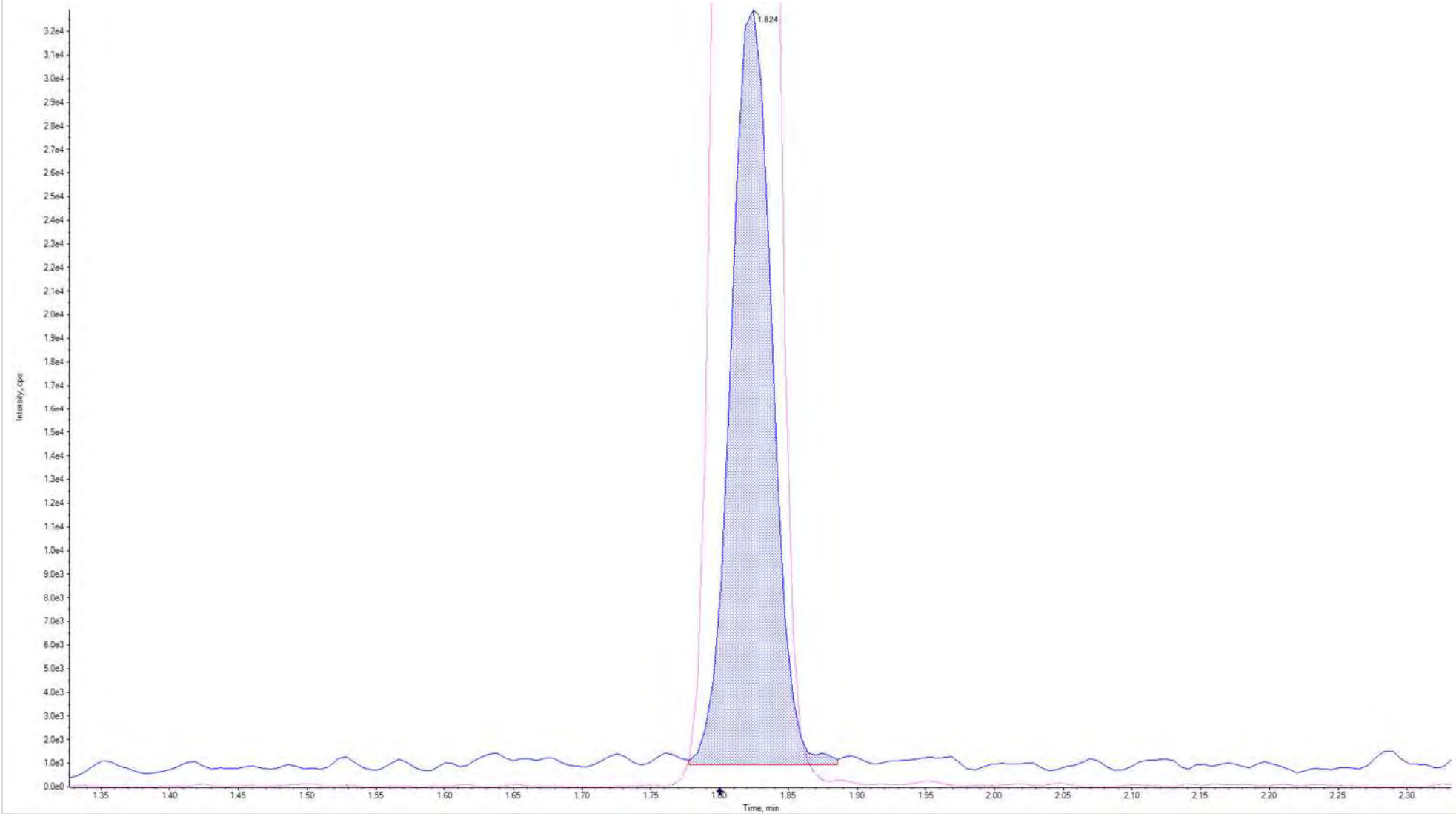
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFBS
Sample: IA1633STD-.5 S/N:339.1 Points Across peak:20



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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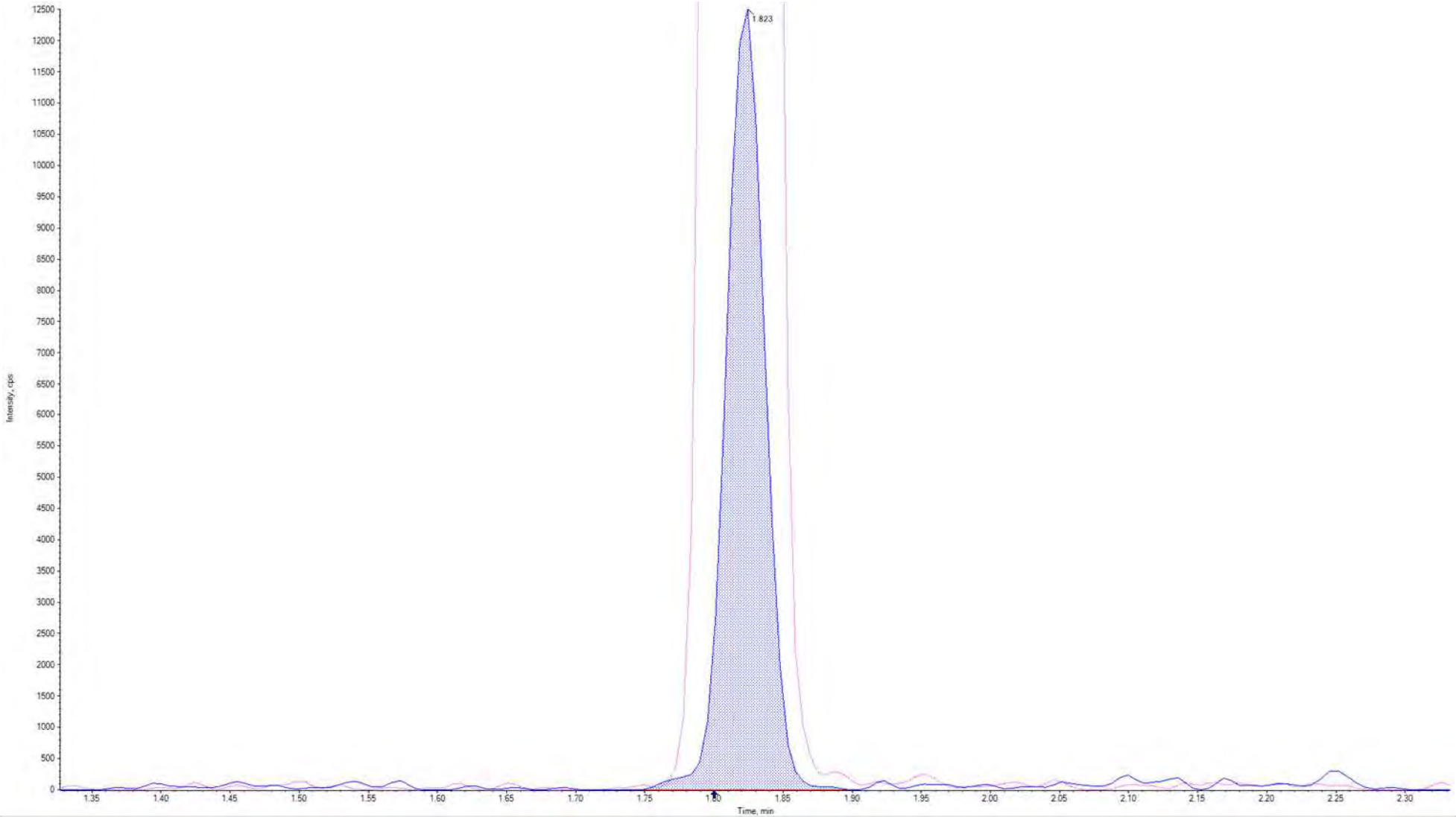
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFBS_2
Sample: IA1633STD-.5 S/N:313.4 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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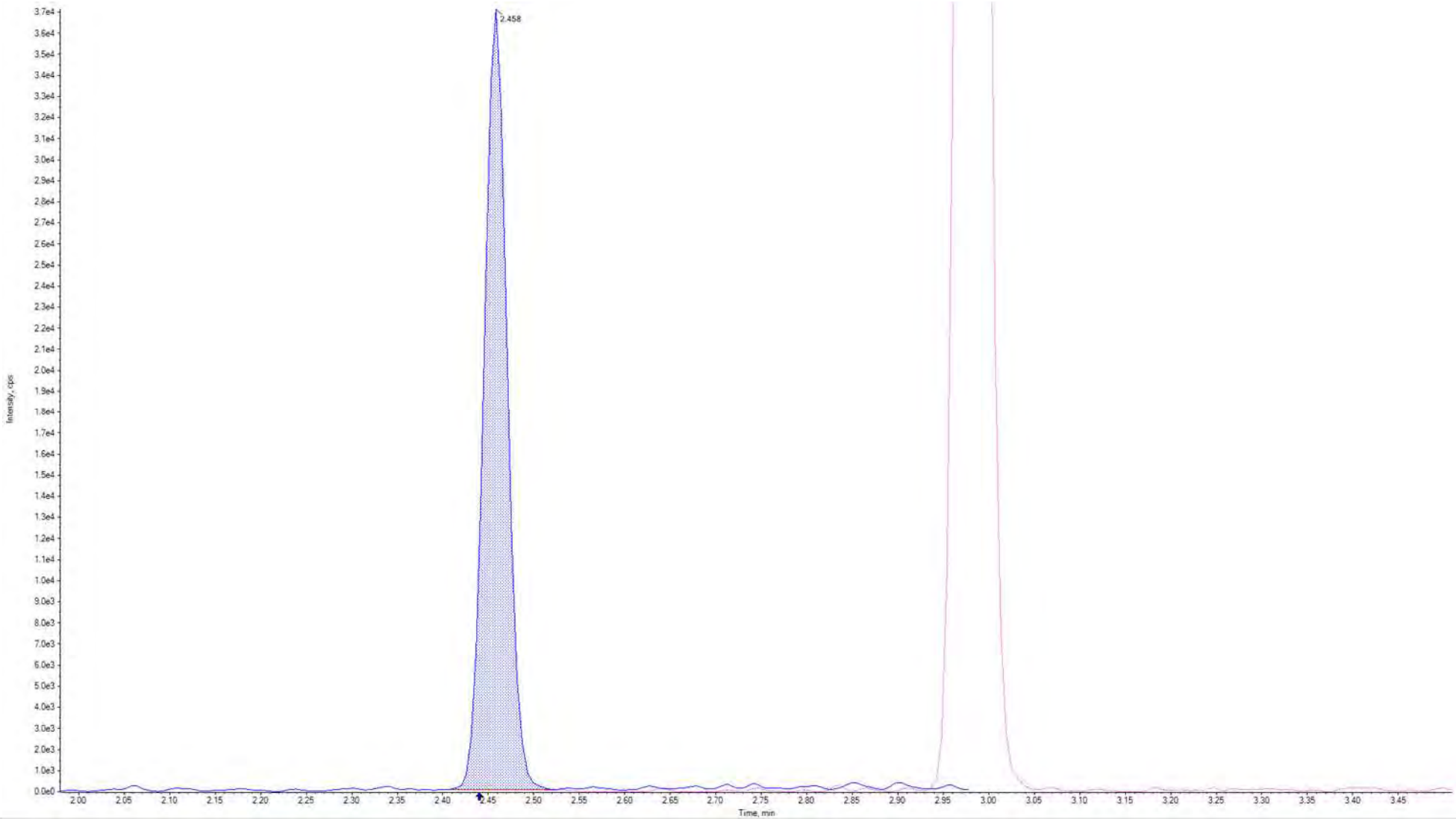
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFPeS
Sample: IA1633STD-.5 S/N:742.7 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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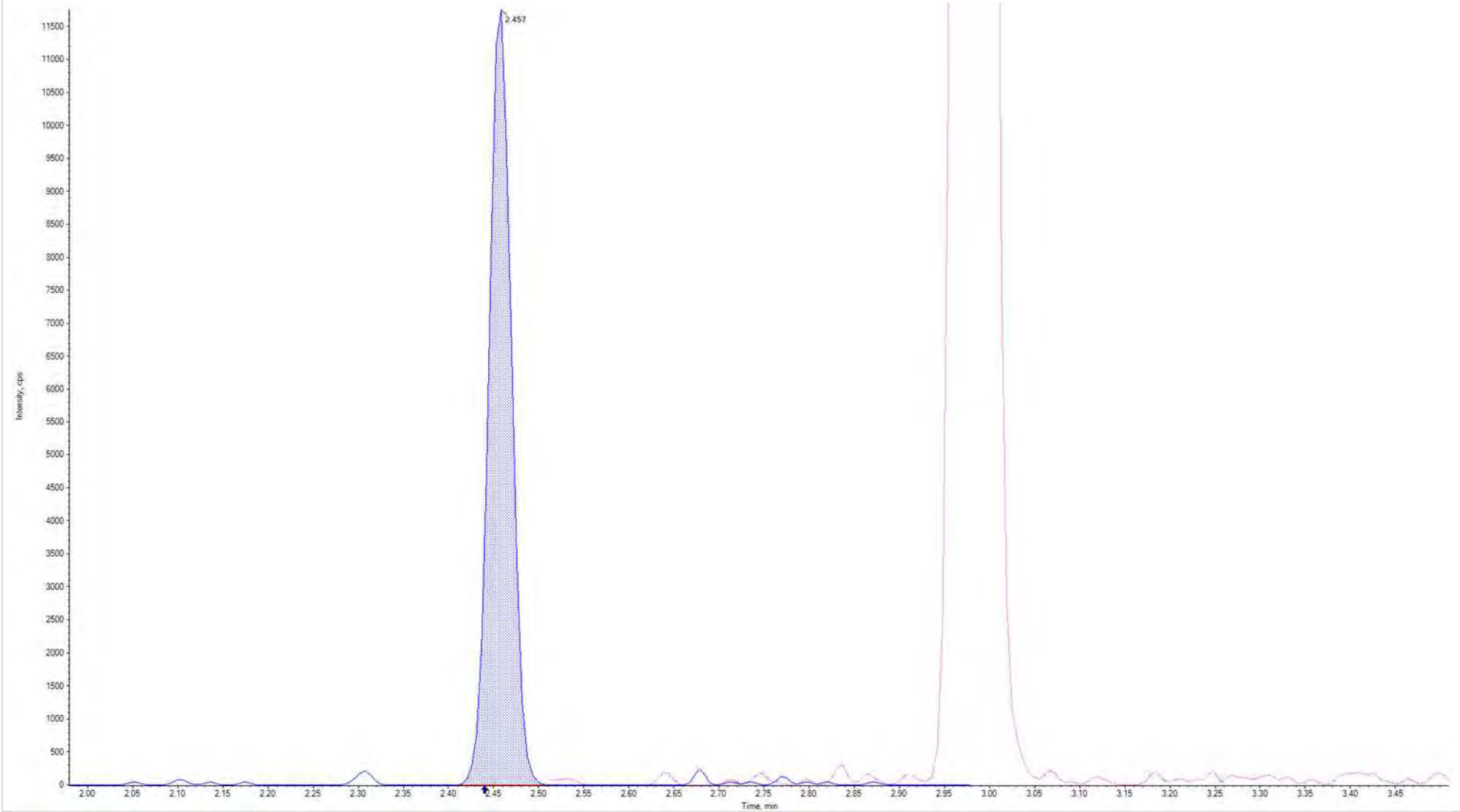
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFPeS_2
Sample: IA1633STD-.5 S/N:235.7 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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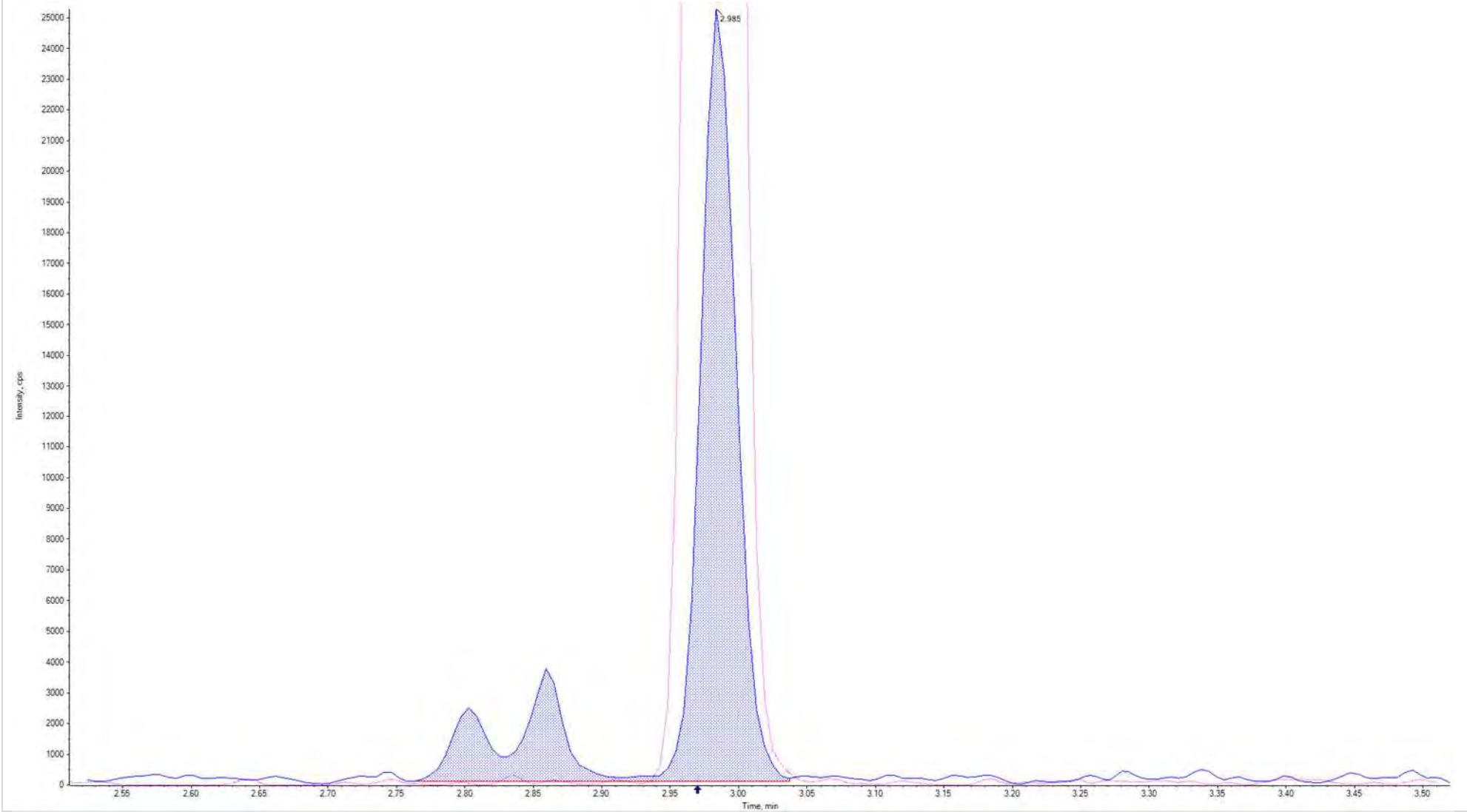
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFHxS
Sample: IA1633STD-.5 S/N:252.3 Points Across peak:49



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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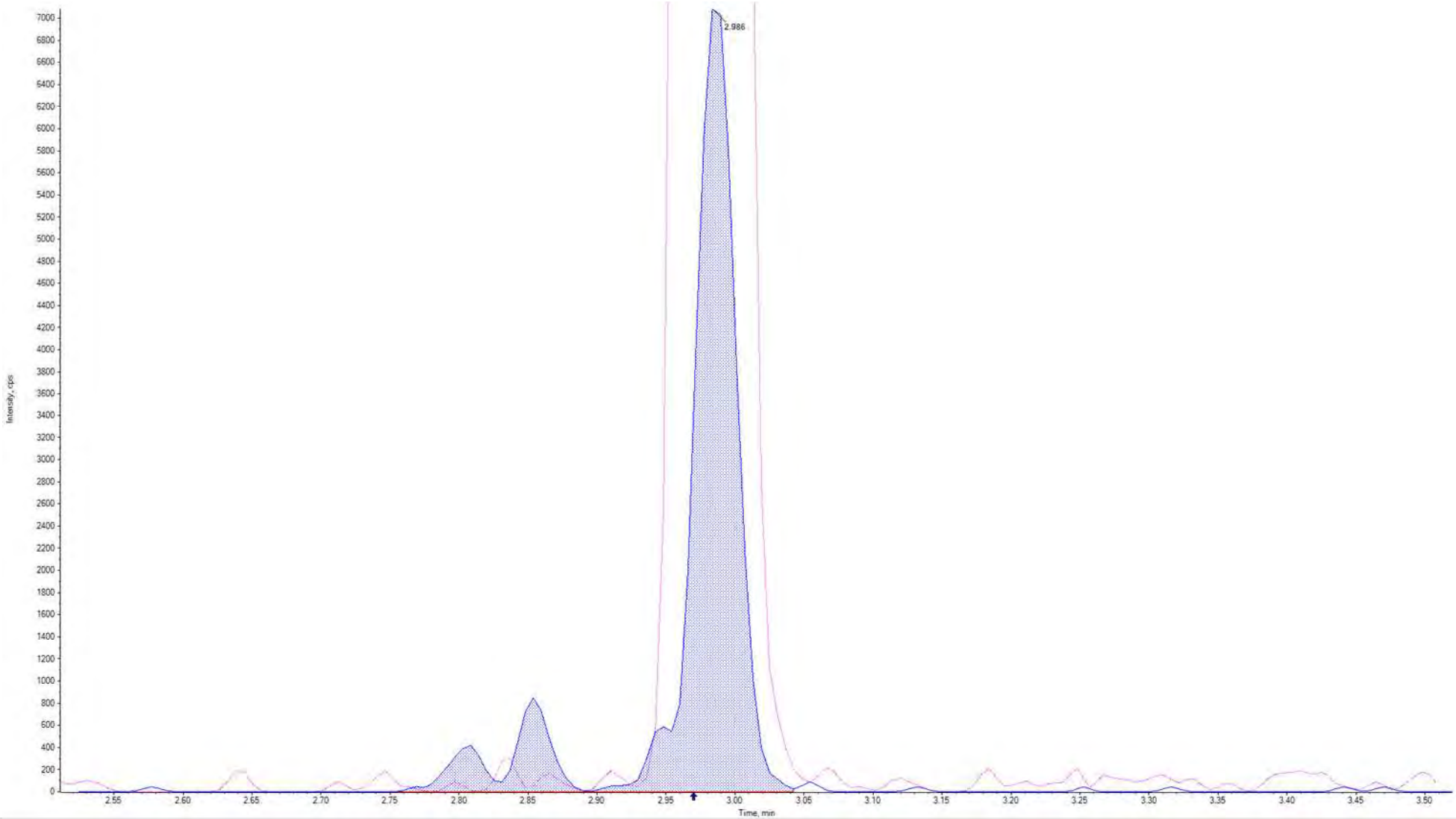
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFHxS_2
Sample: IA1633STD-.5 S/N:159.7 Points Across peak:51



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/12/2024 3:16:42 PM
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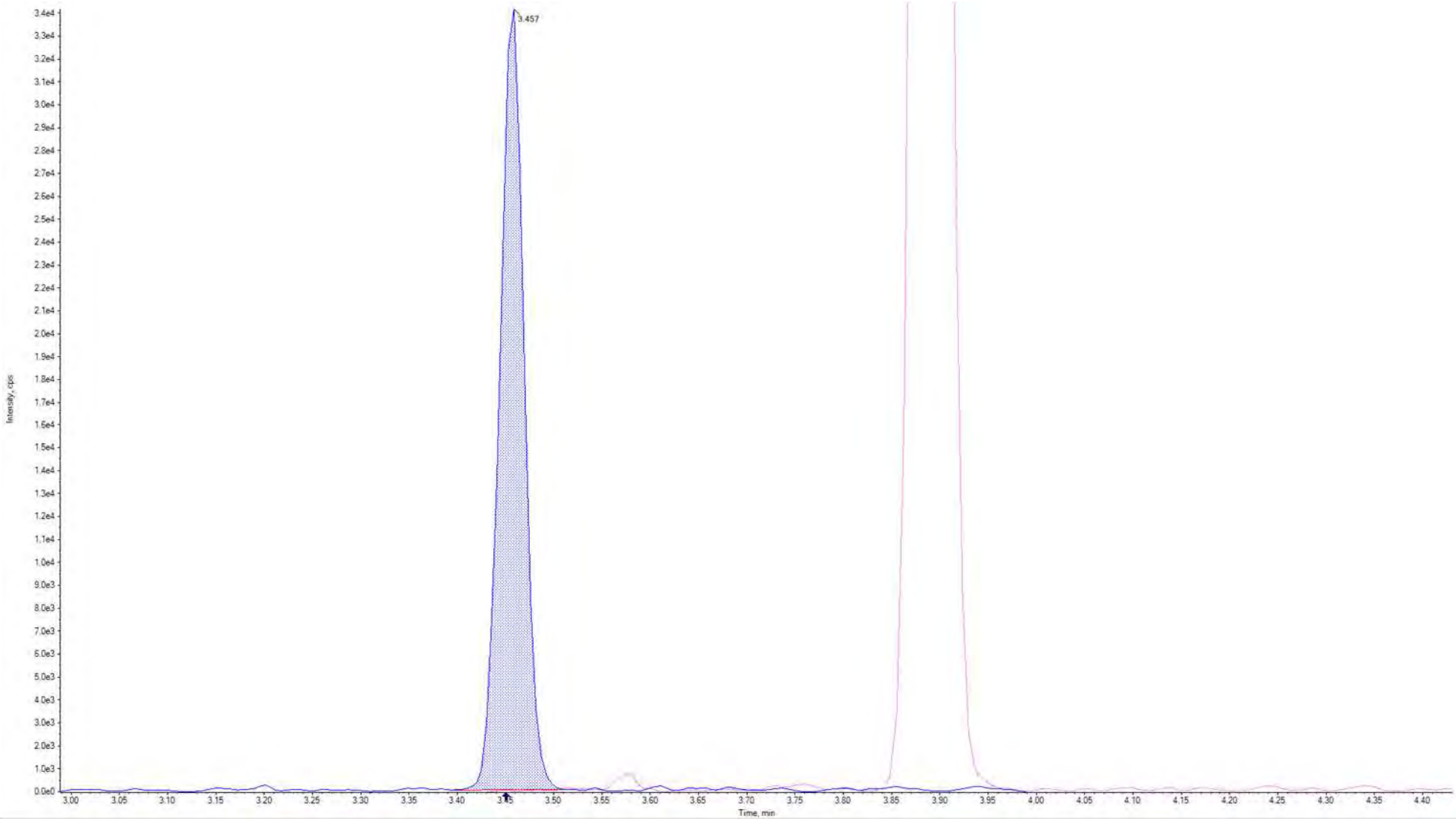
PFHpS
Sample: IA1633STD-.5 S/N:683.6 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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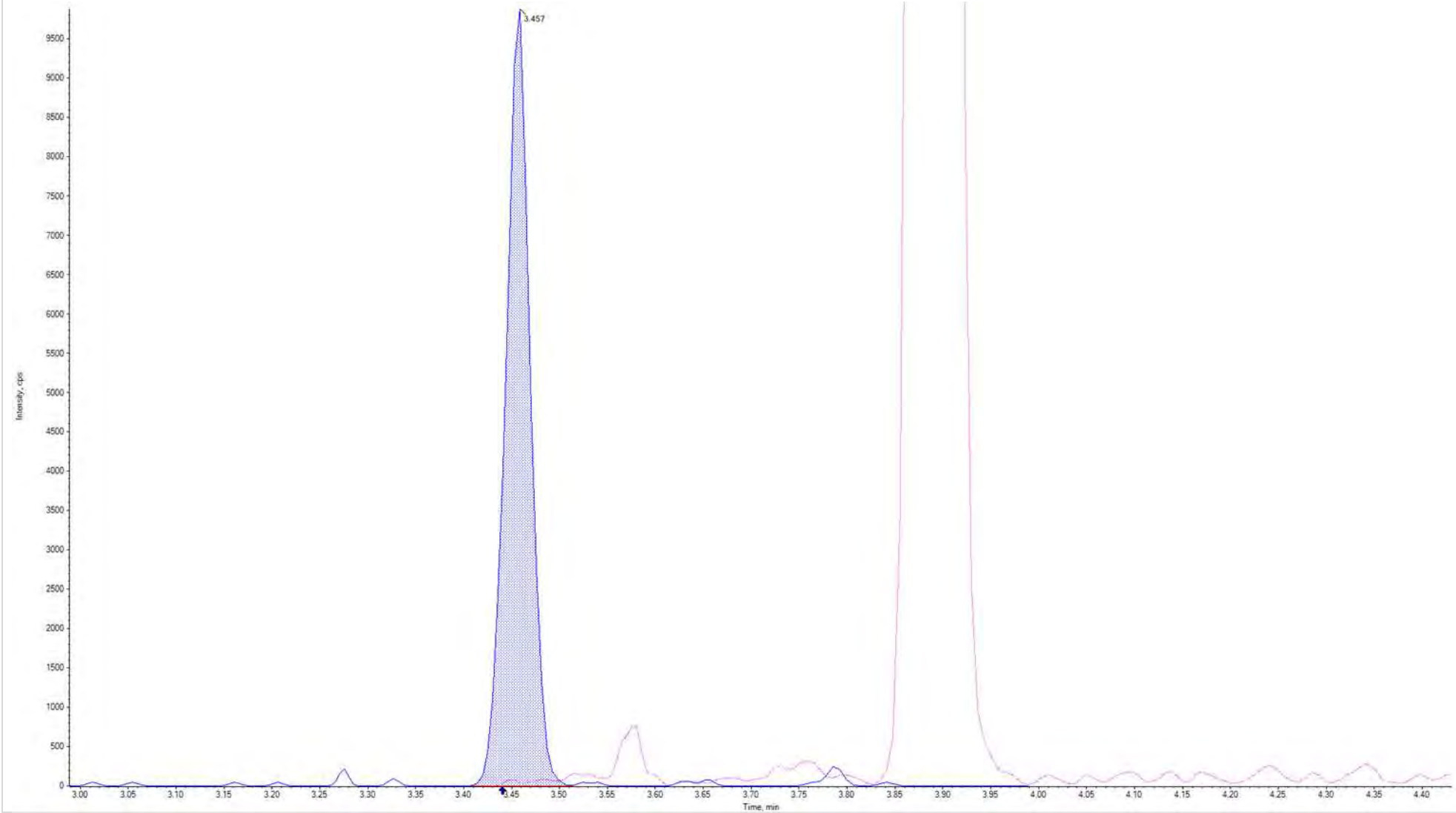
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFHpS_2
Sample: IA1633STD-.5 S/N:198.1 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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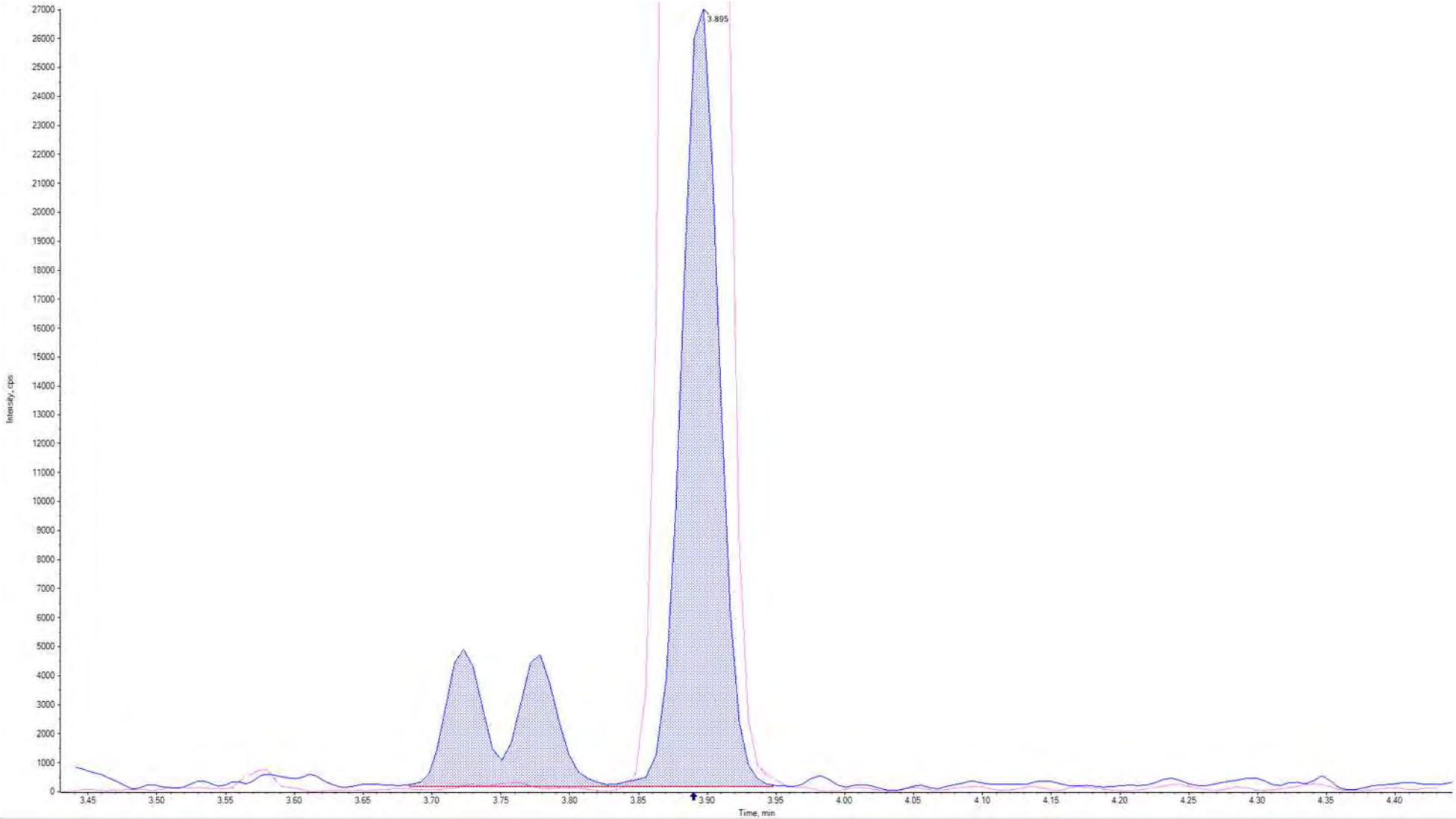
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFOS
Sample: IA1633STD-.5 S/N:167.7 Points Across peak:41



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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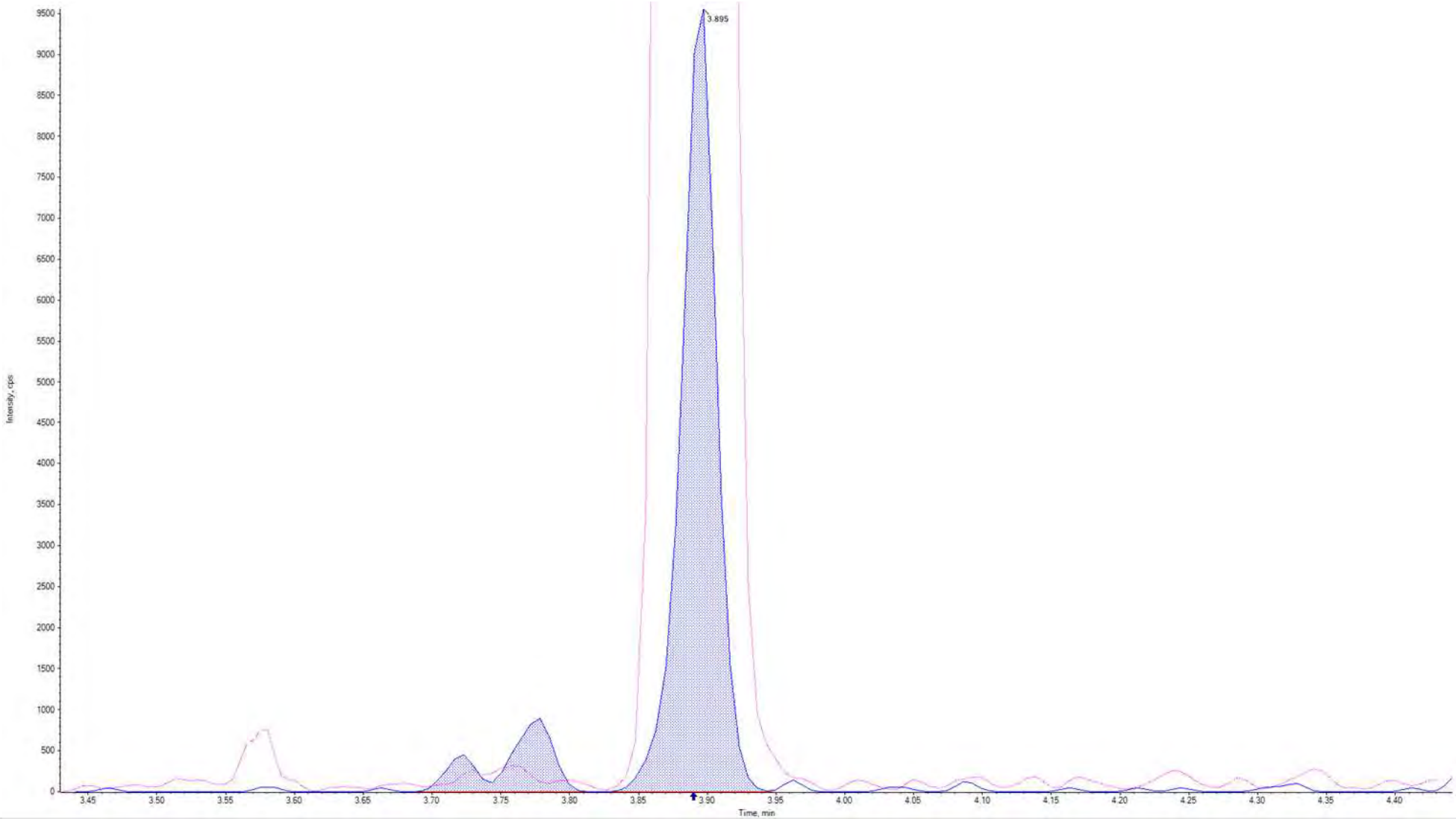
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFOS_2
Sample: IA1633STD-.5 S/N:191.5 Points Across peak:40



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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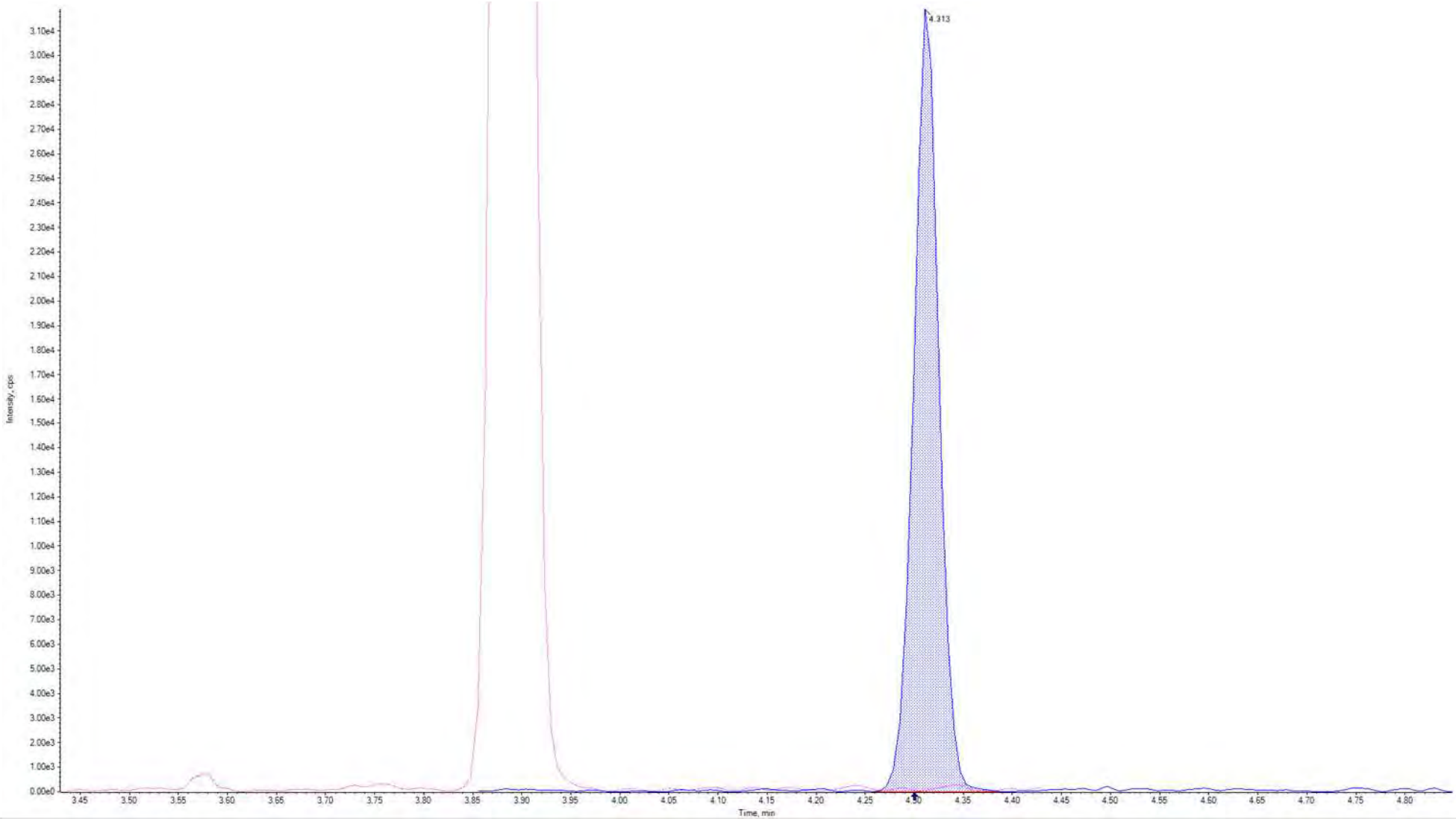
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFNS
Sample: IA1633STD-.5 S/N:799.3 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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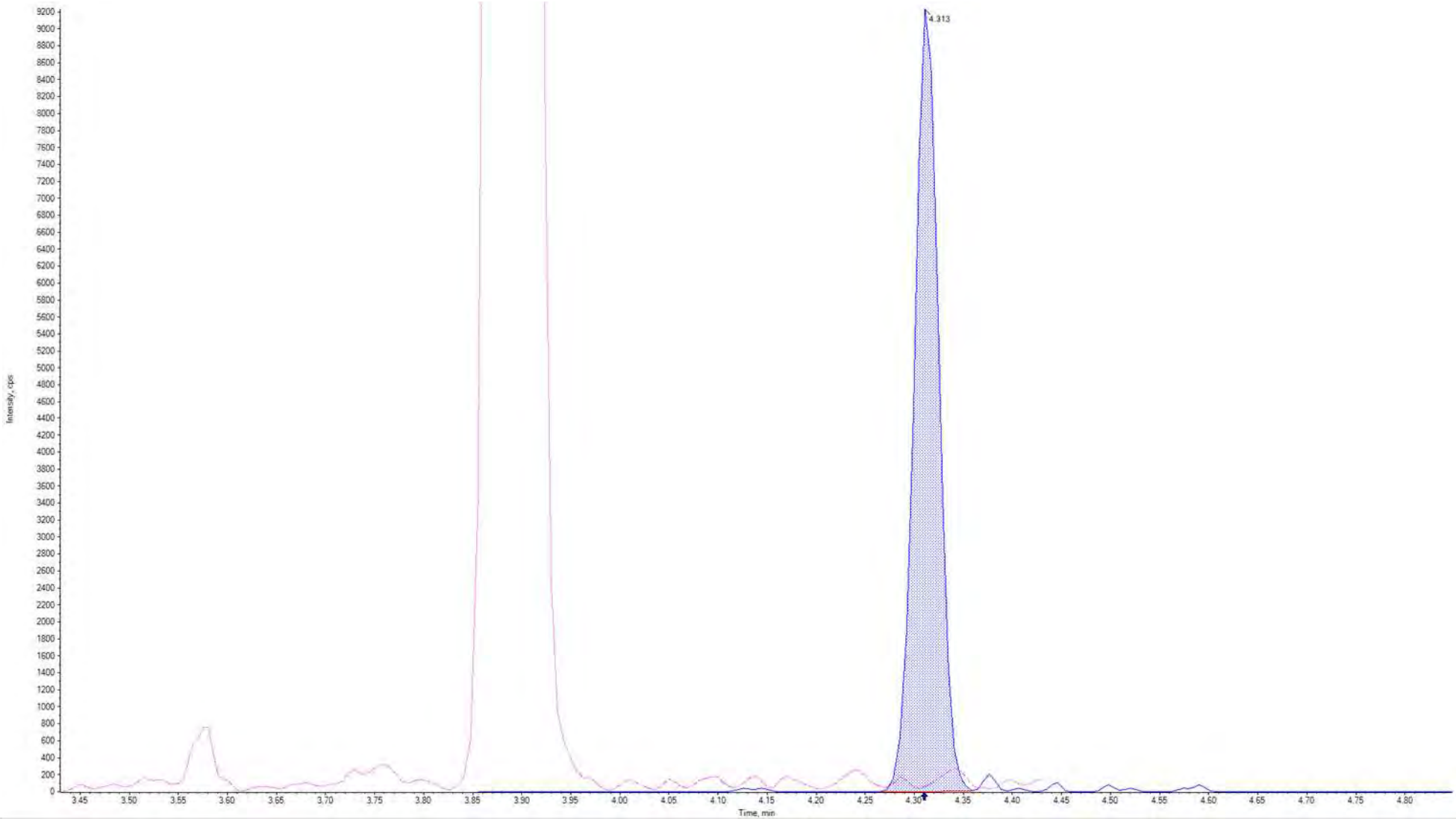
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFNS_2
Sample: IA1633STD-.5 S/N:231.3 Points Across peak:17



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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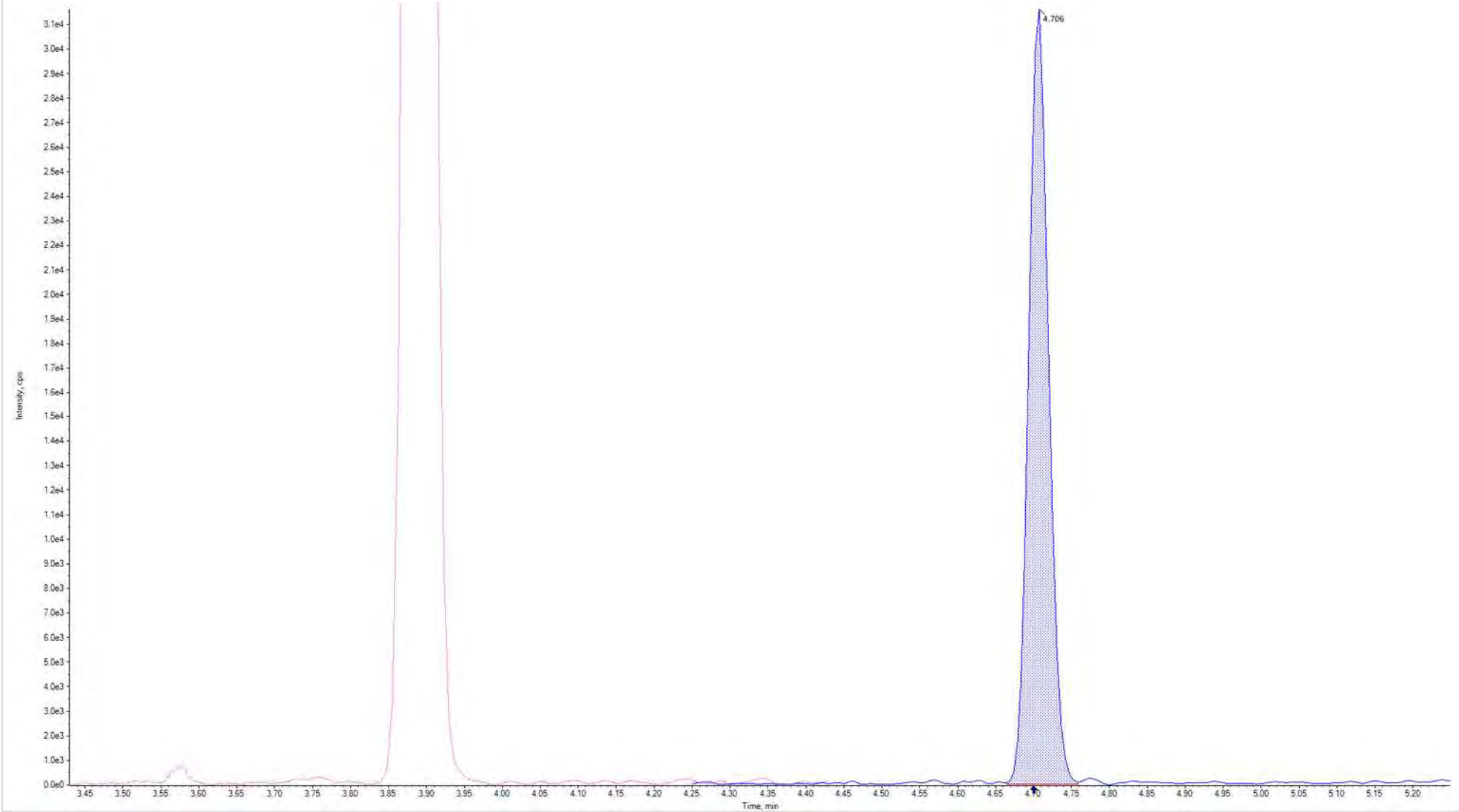
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFDS
Sample: IA1633STD-.5 S/N:1109.0 Points Across peak:19



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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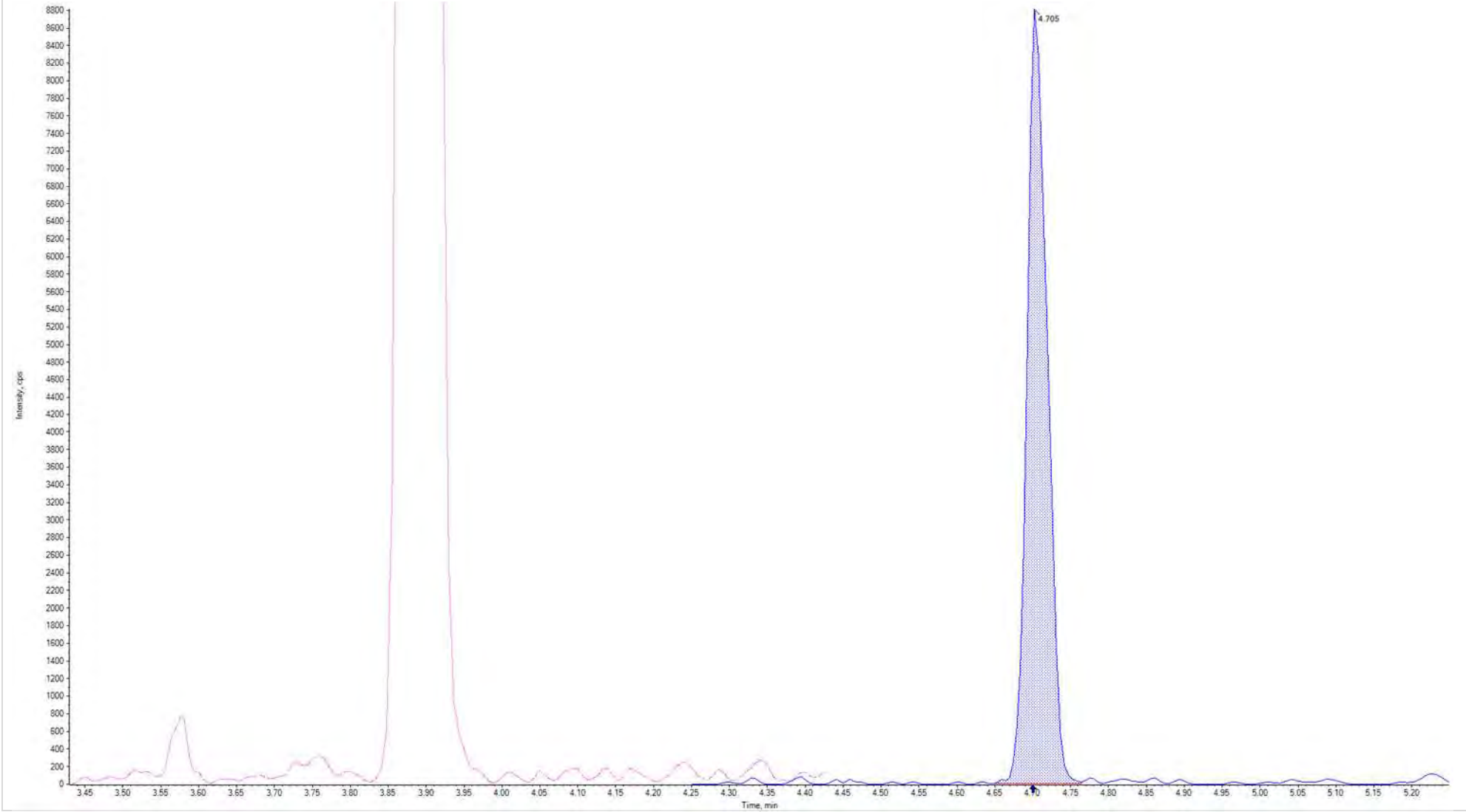
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFDS_2
Sample: IA1633STD-.5 S/N:309.1 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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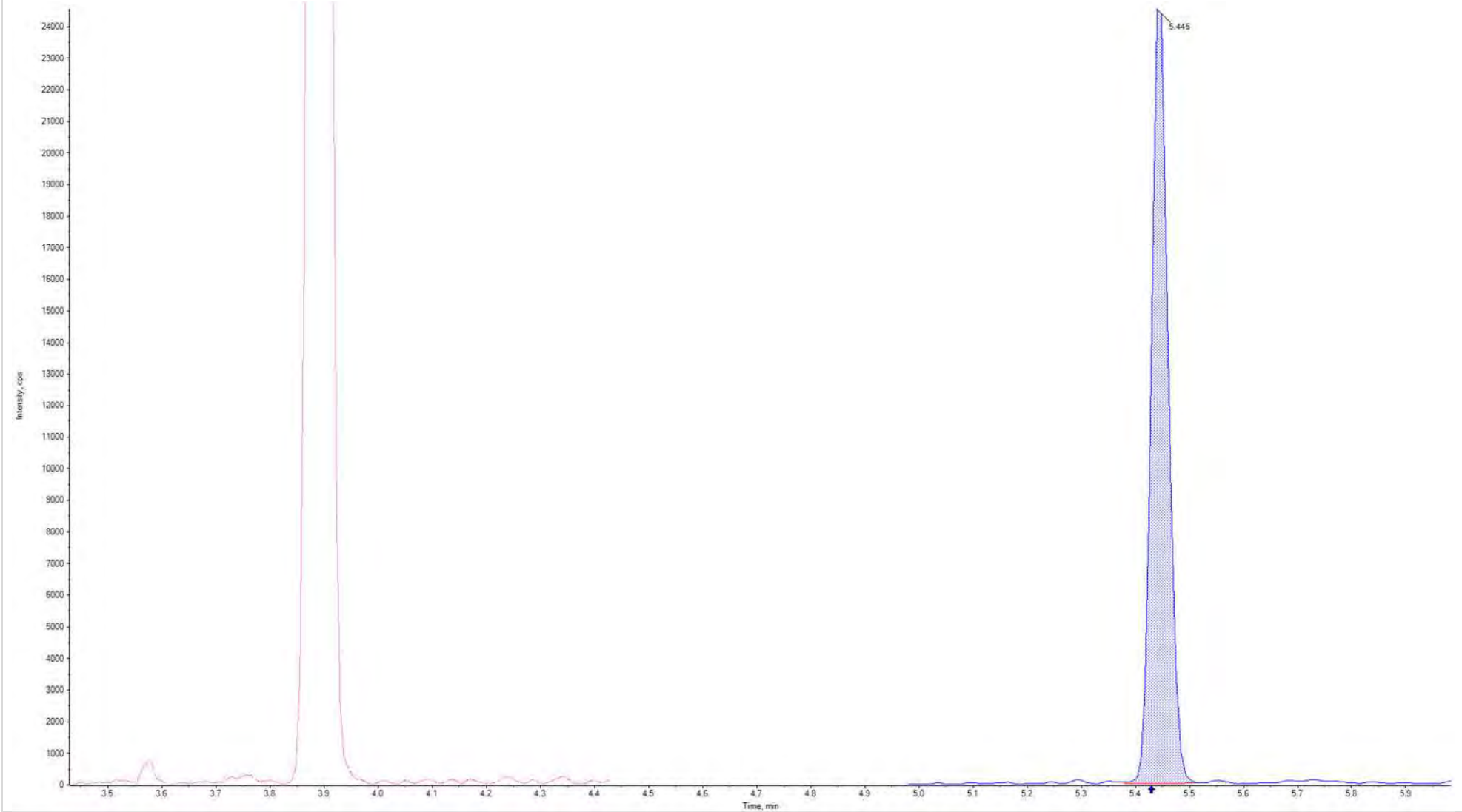
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFDoS
Sample: IA1633STD-.5 S/N:1391.0 Points Across peak:18



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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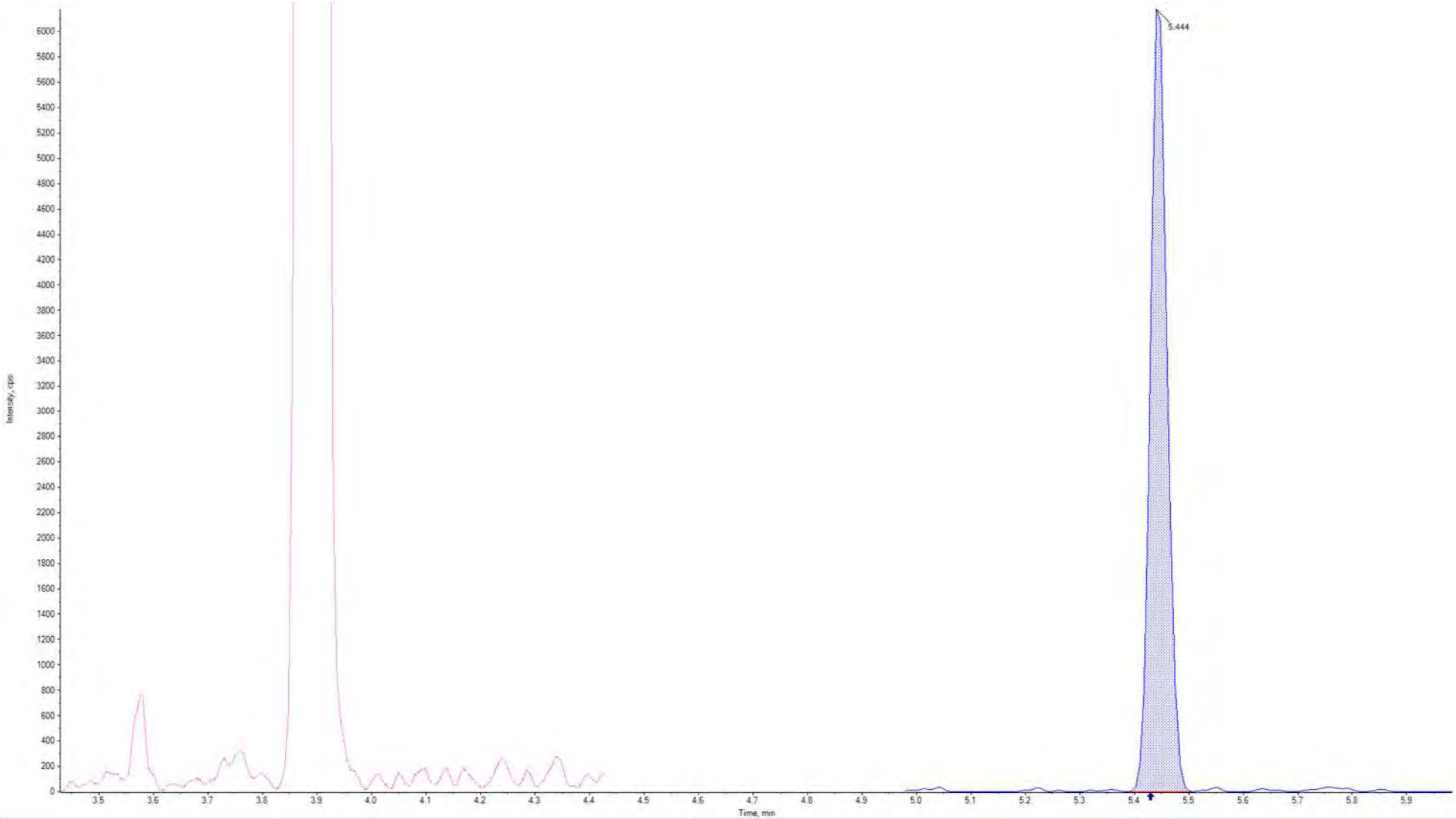
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFDoS_2
Sample: IA1633STD-.5 S/N:479.9 Points Across peak:16



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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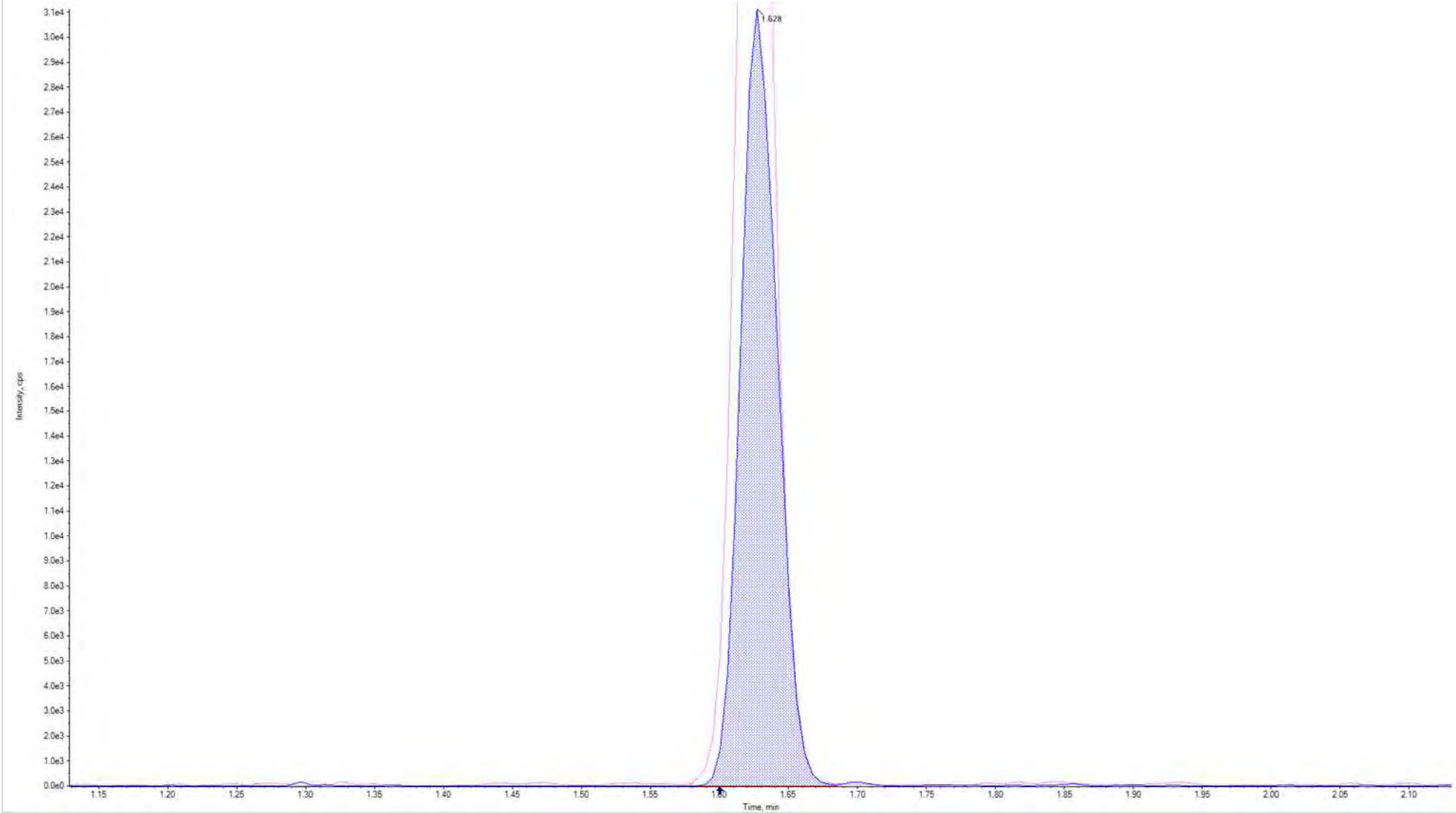
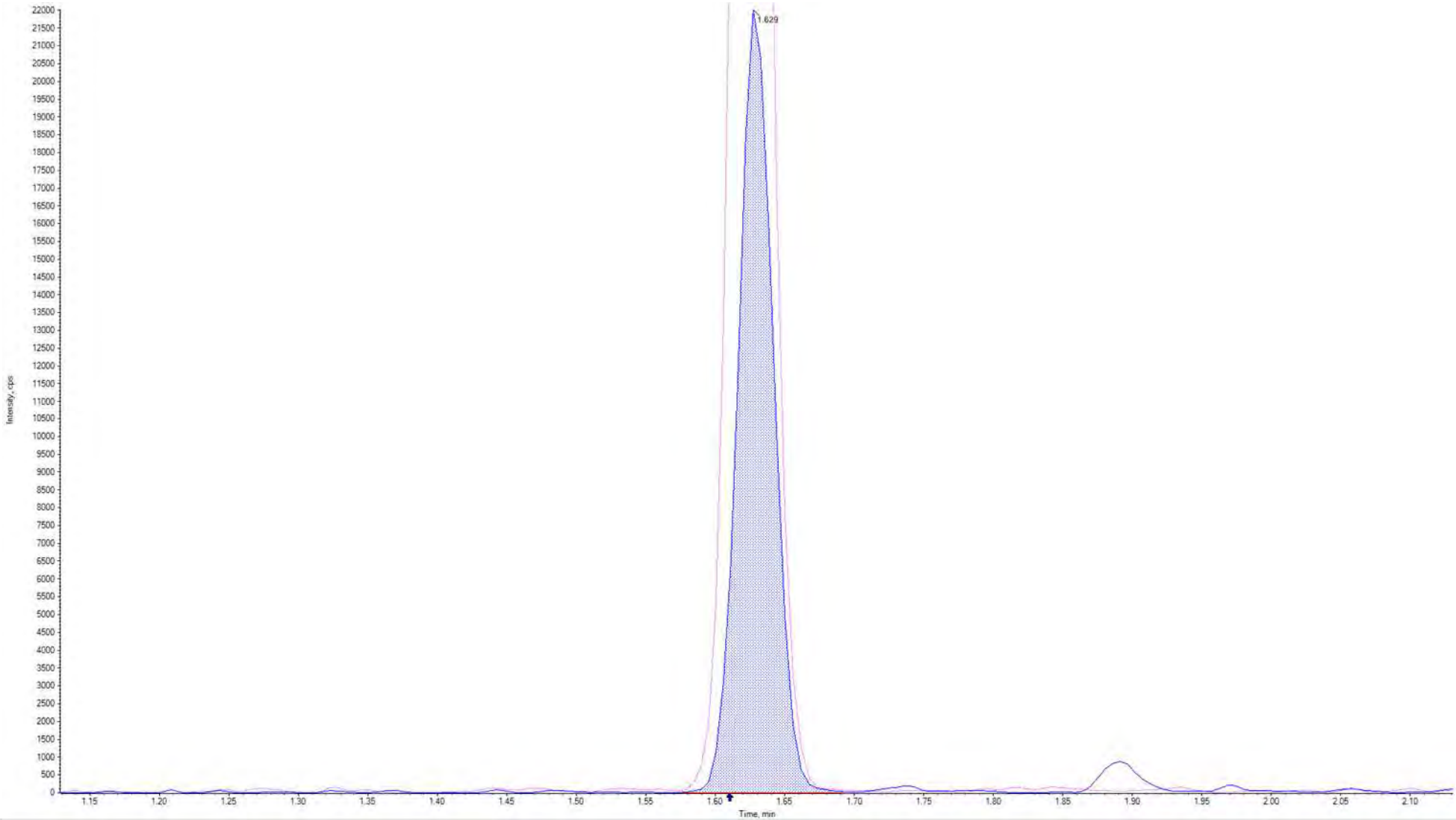
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

4:2FTS
Sample: IA1633STD-.5 S/N:1170.3 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_18.wiff2_3
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

4:2FTS_2
Sample: IA1633STD-.5 S/N:827.4 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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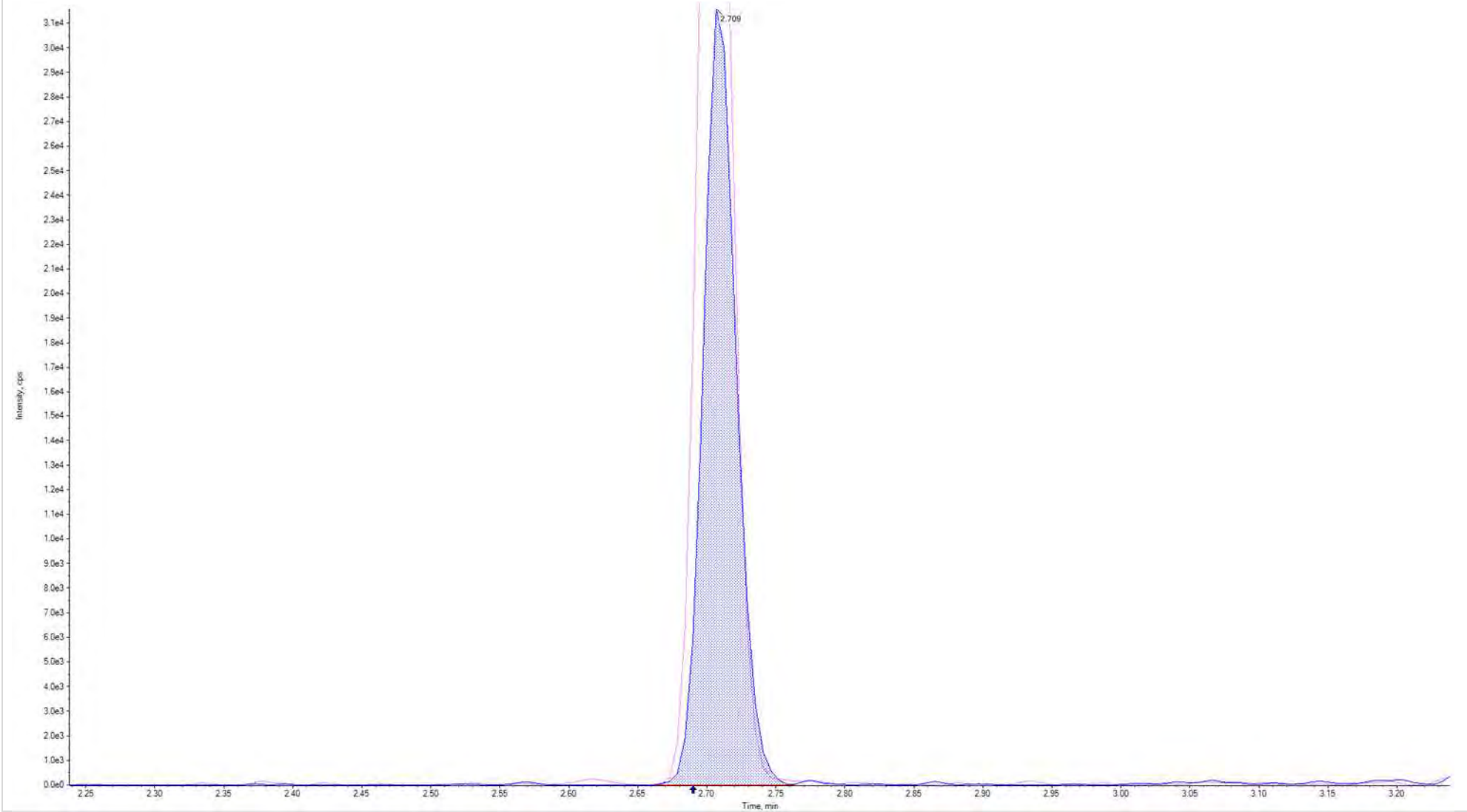
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

6:2FTS
Sample: IA1633STD-.5 S/N:633.1 Points Across peak:21



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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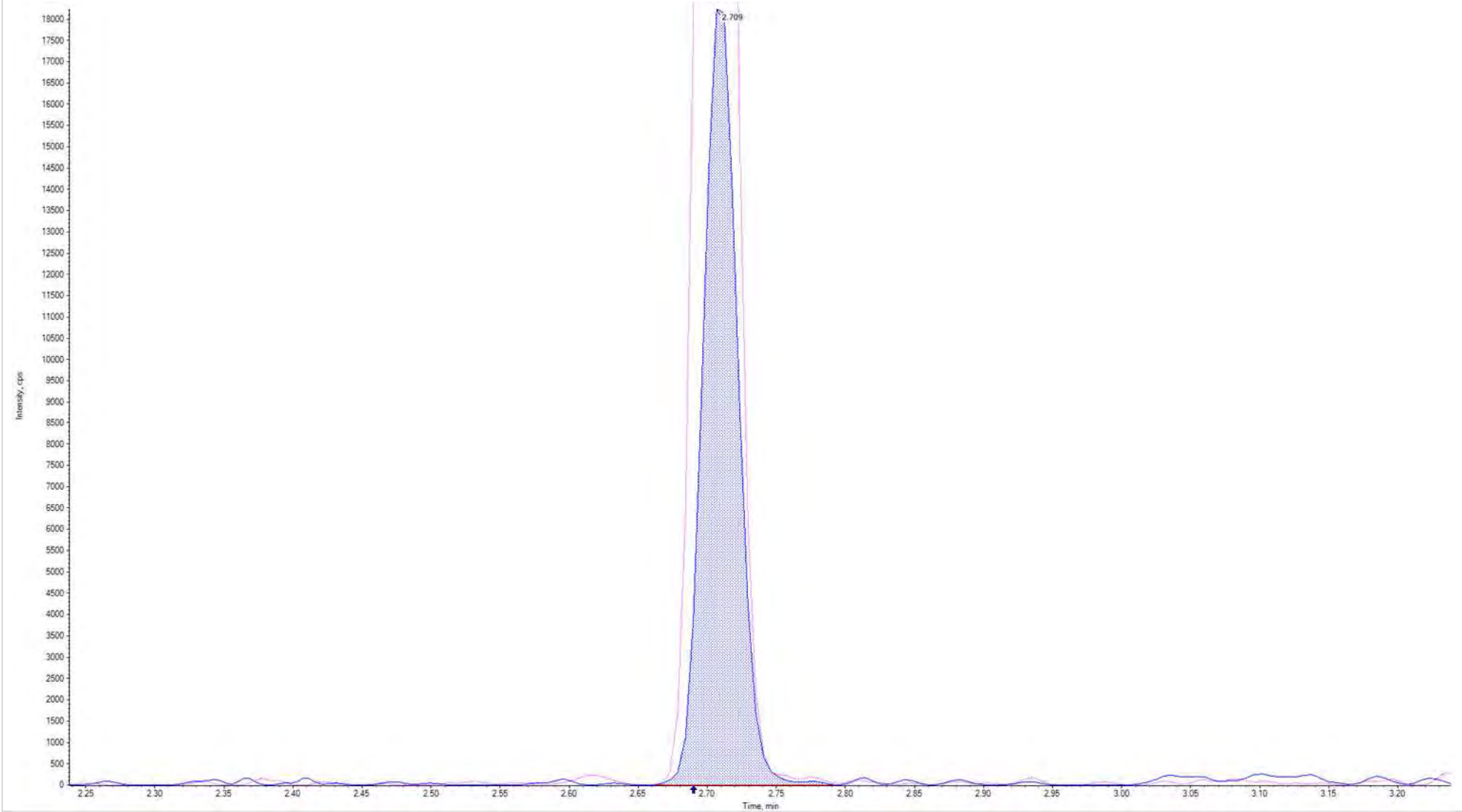
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

6:2FTS_2
Sample: IA1633STD-.5 S/N:365.6 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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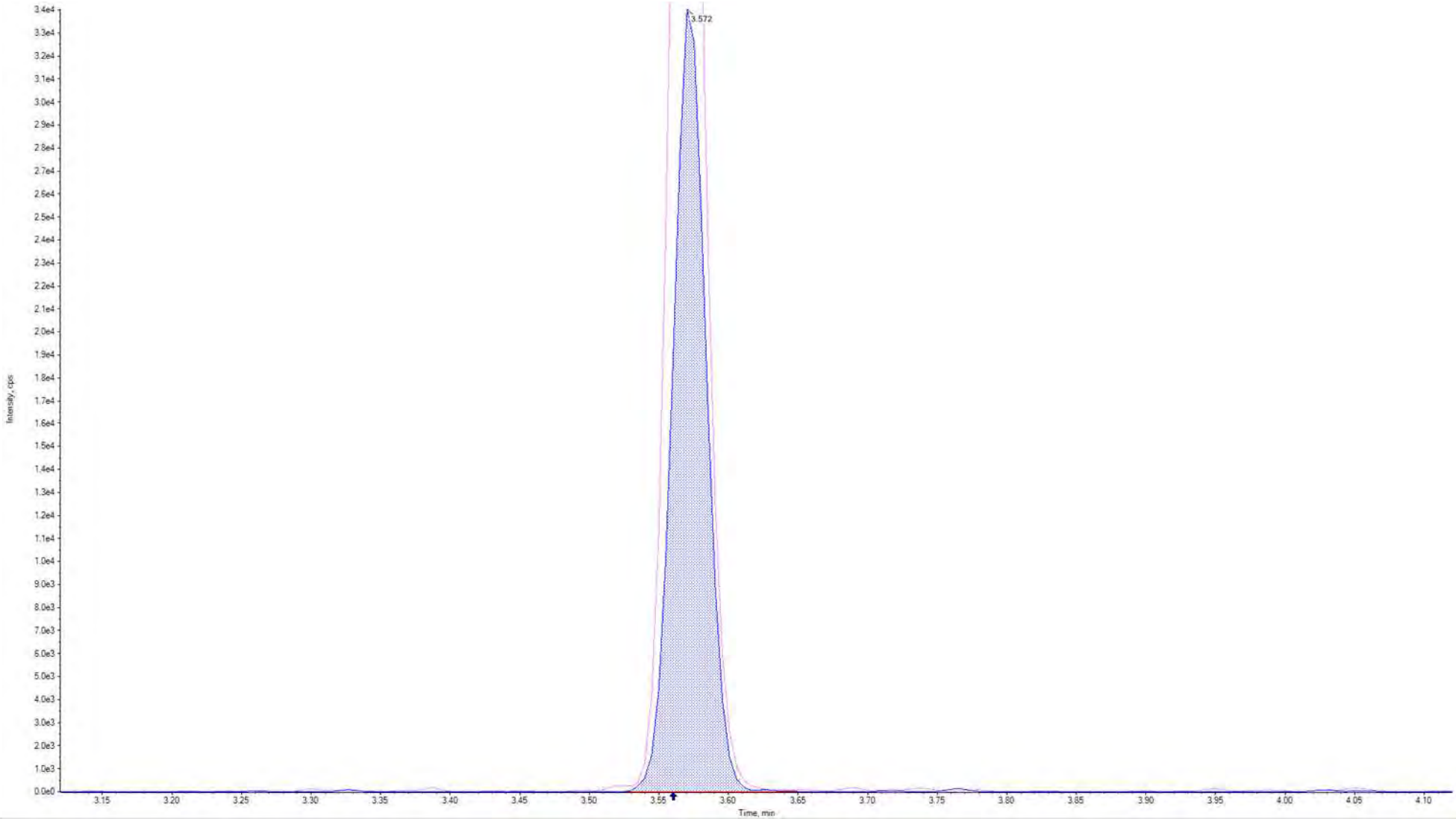
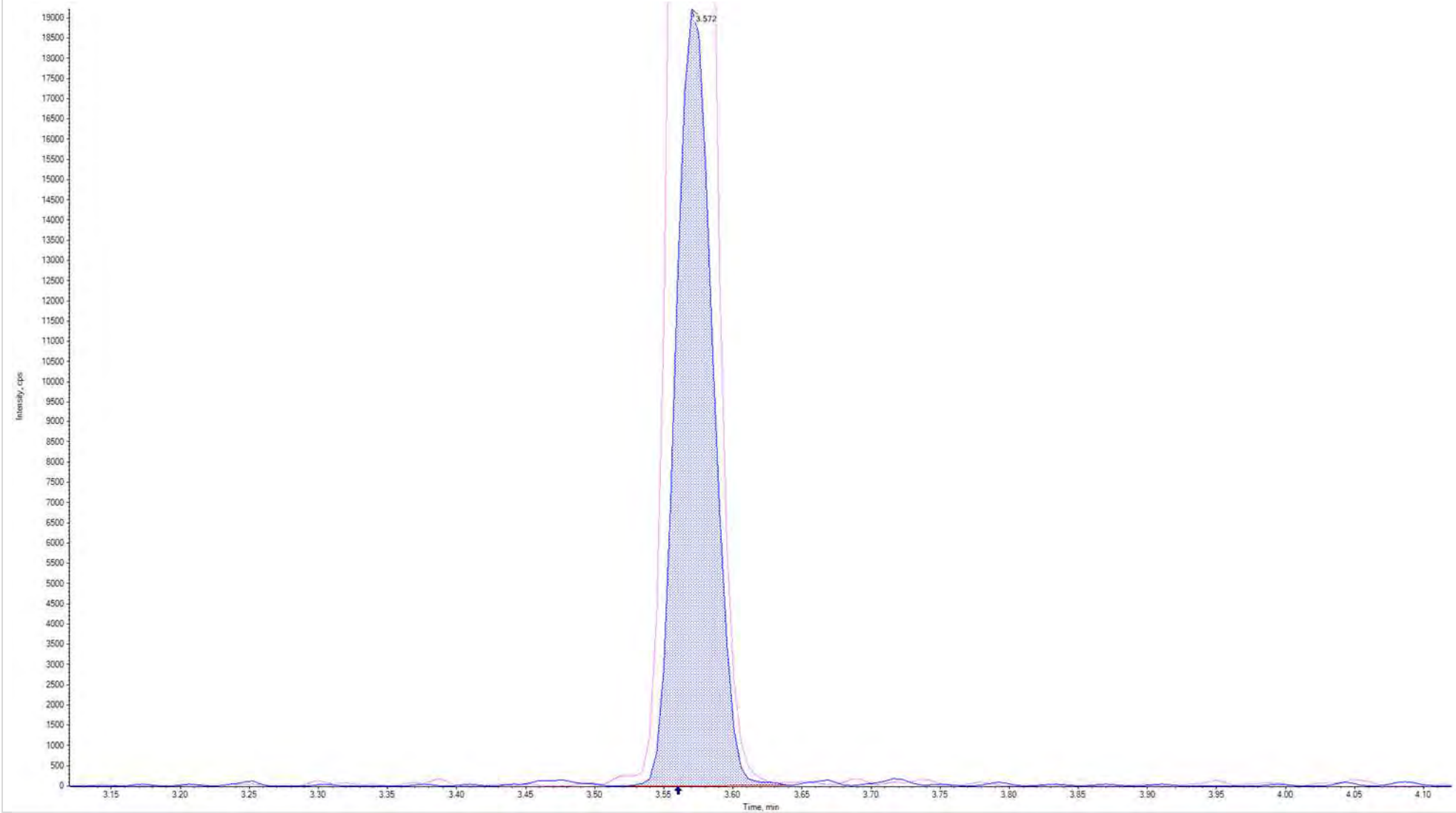
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

8:2FTS
Sample: IA1633STD-.5 S/N:682.5 Points Across peak:35



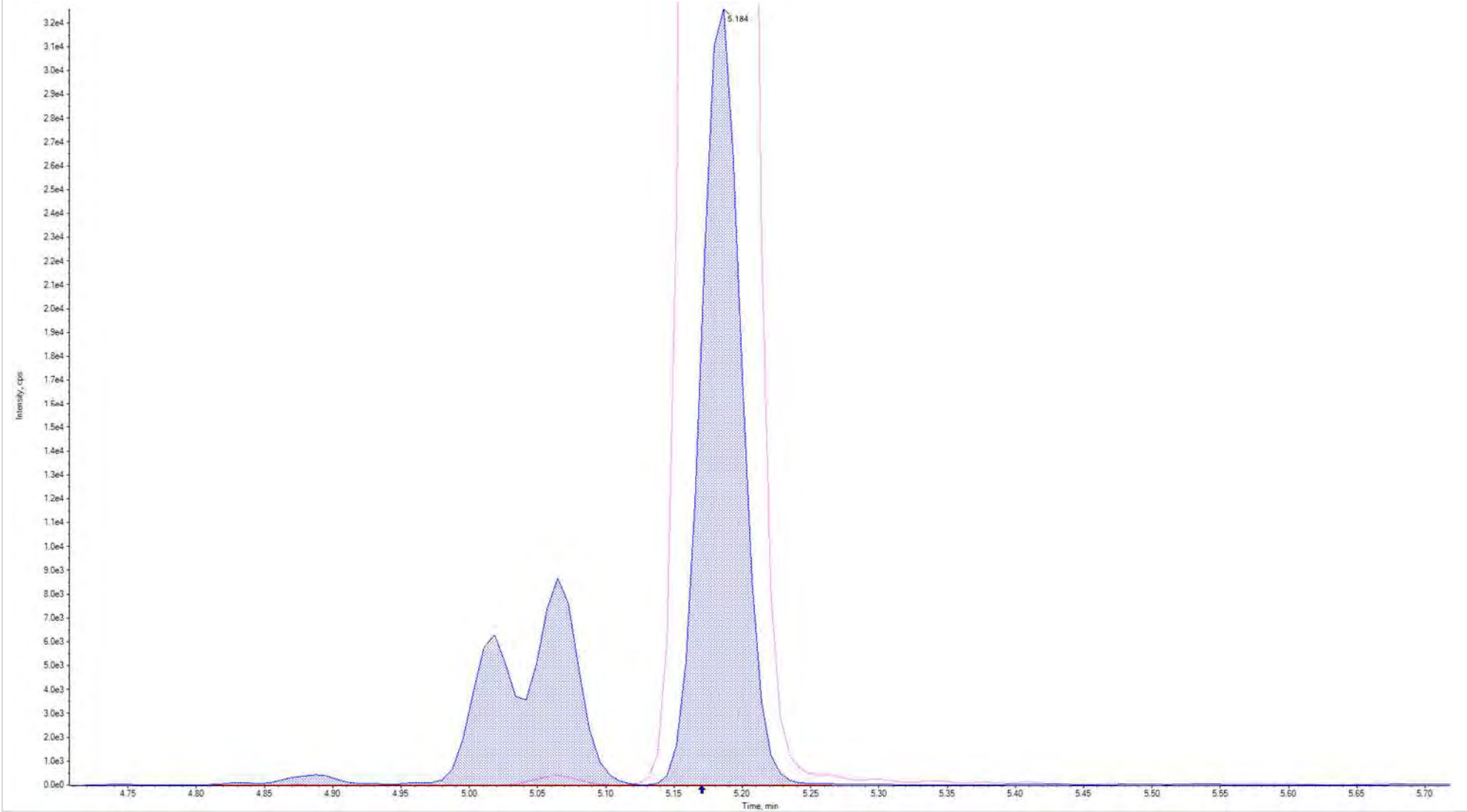
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_18.wiff2_3
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

8:2FTS_2
Sample: IA1633STD-.5 S/N:385.2 Points Across peak:25



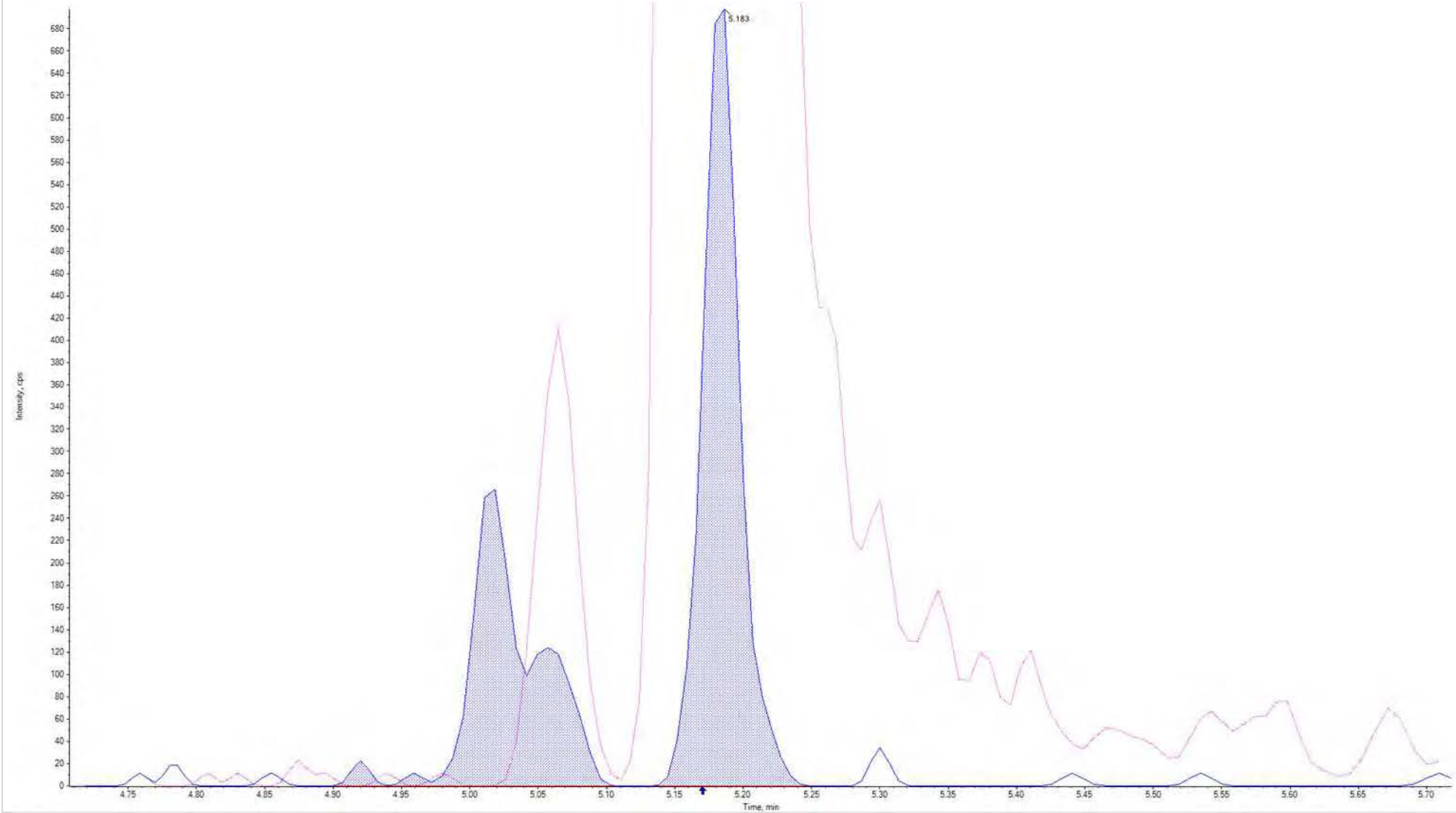
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_18.wiff2_3
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFOSA
Sample: IA1633STD-.5 S/N:357.7 Points Across peak:68



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_18.wiff2_3
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFOSA_2
Sample: IA1633STD-.5 S/N:61.2 Points Across peak:53



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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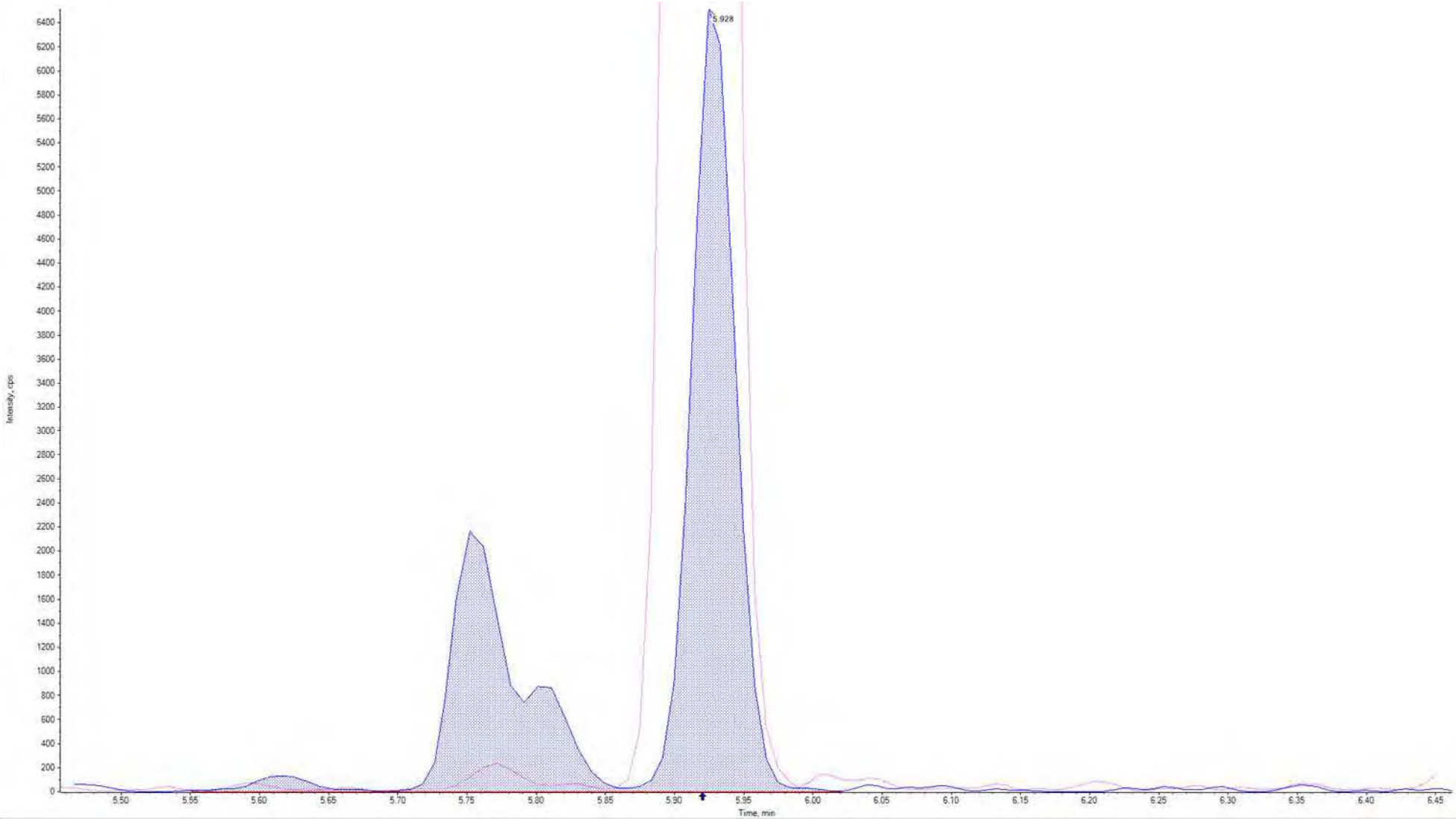
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NMeFOSA
Sample: IA1633STD-.5 S/N:224.7 Points Across peak:56



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/12/2024 3:16:42 PM
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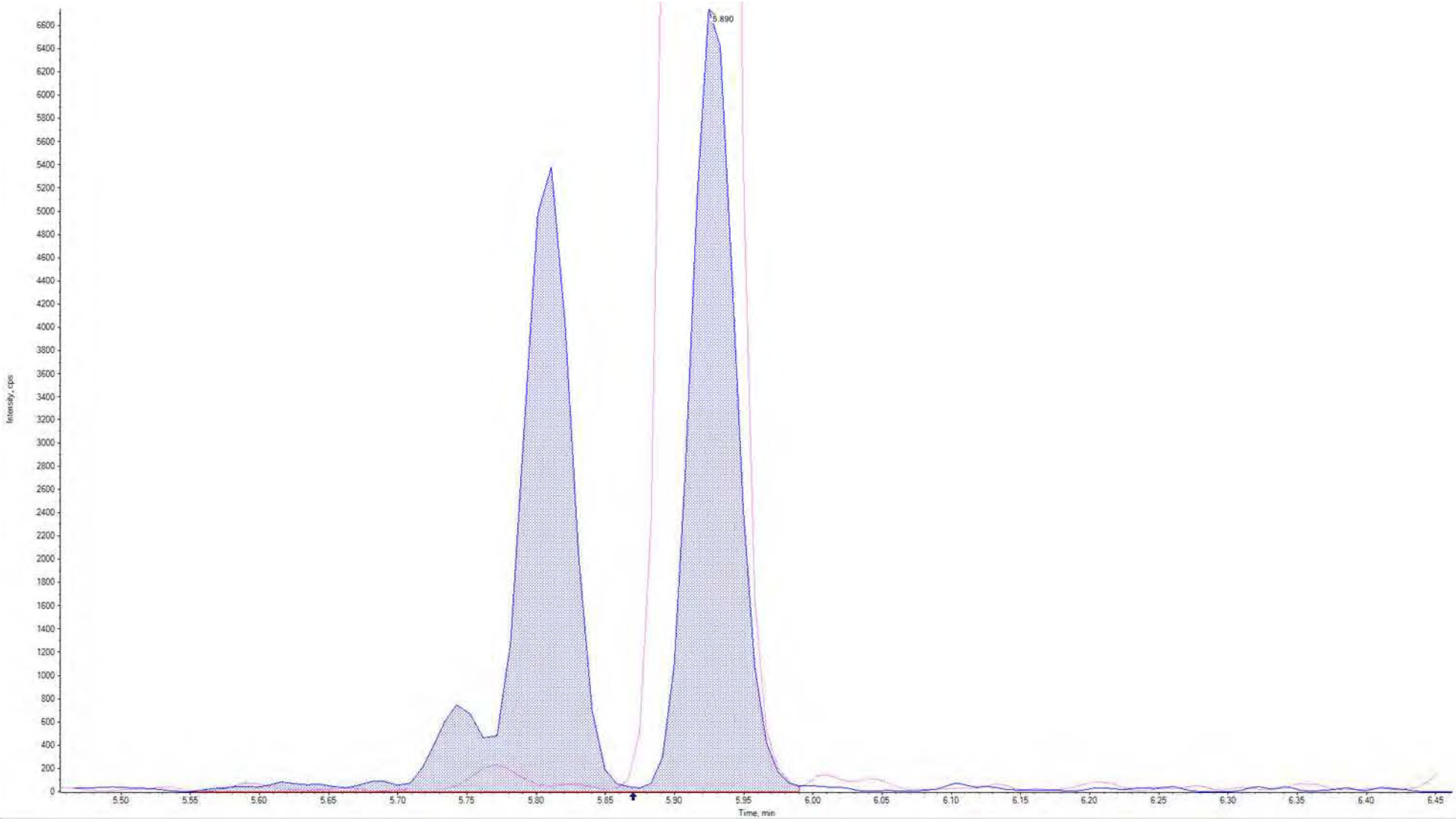
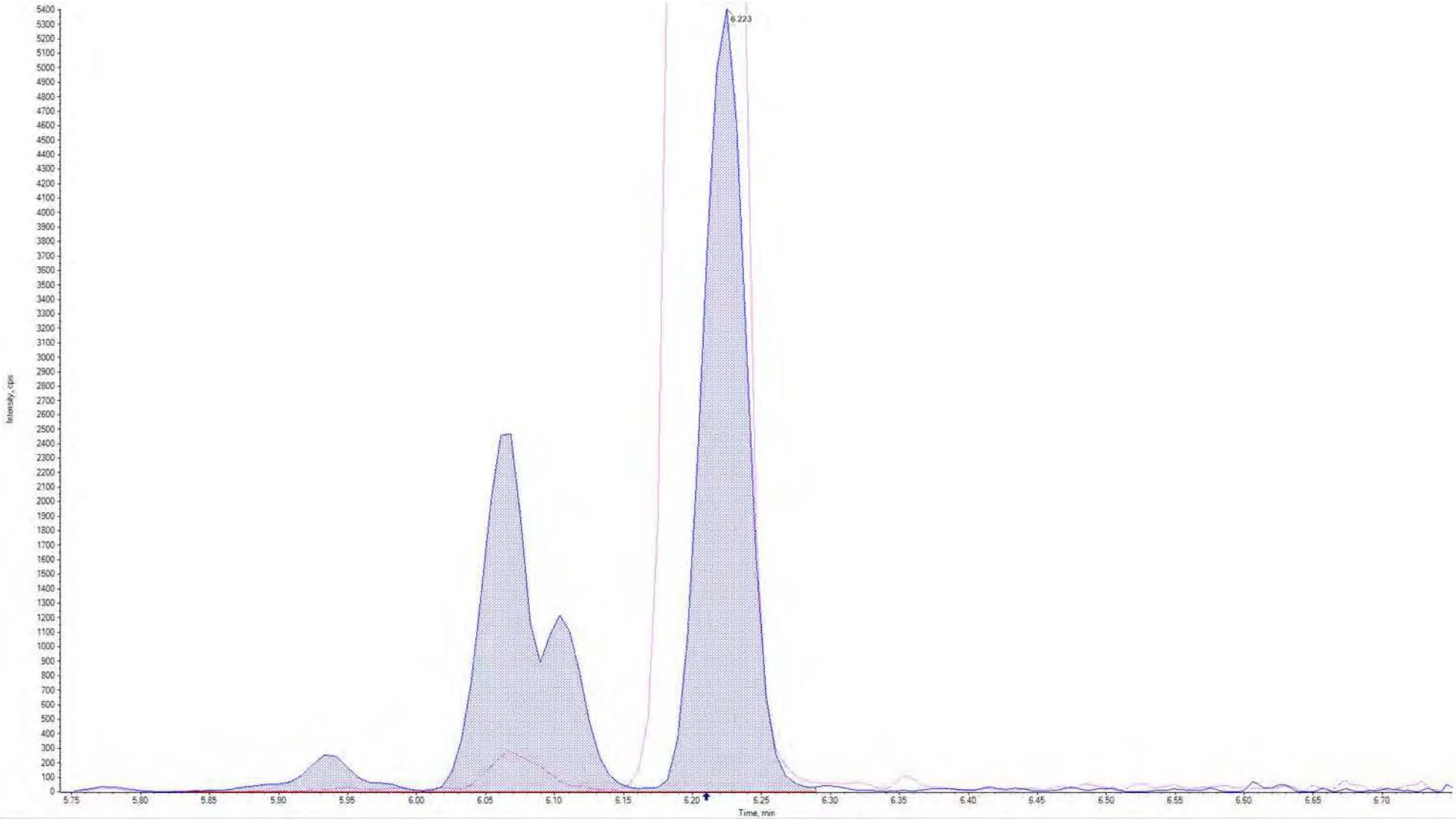
NMeFOSA_2
Sample: IA1633STD-.5 S/N:182.2 Points Across peak:52

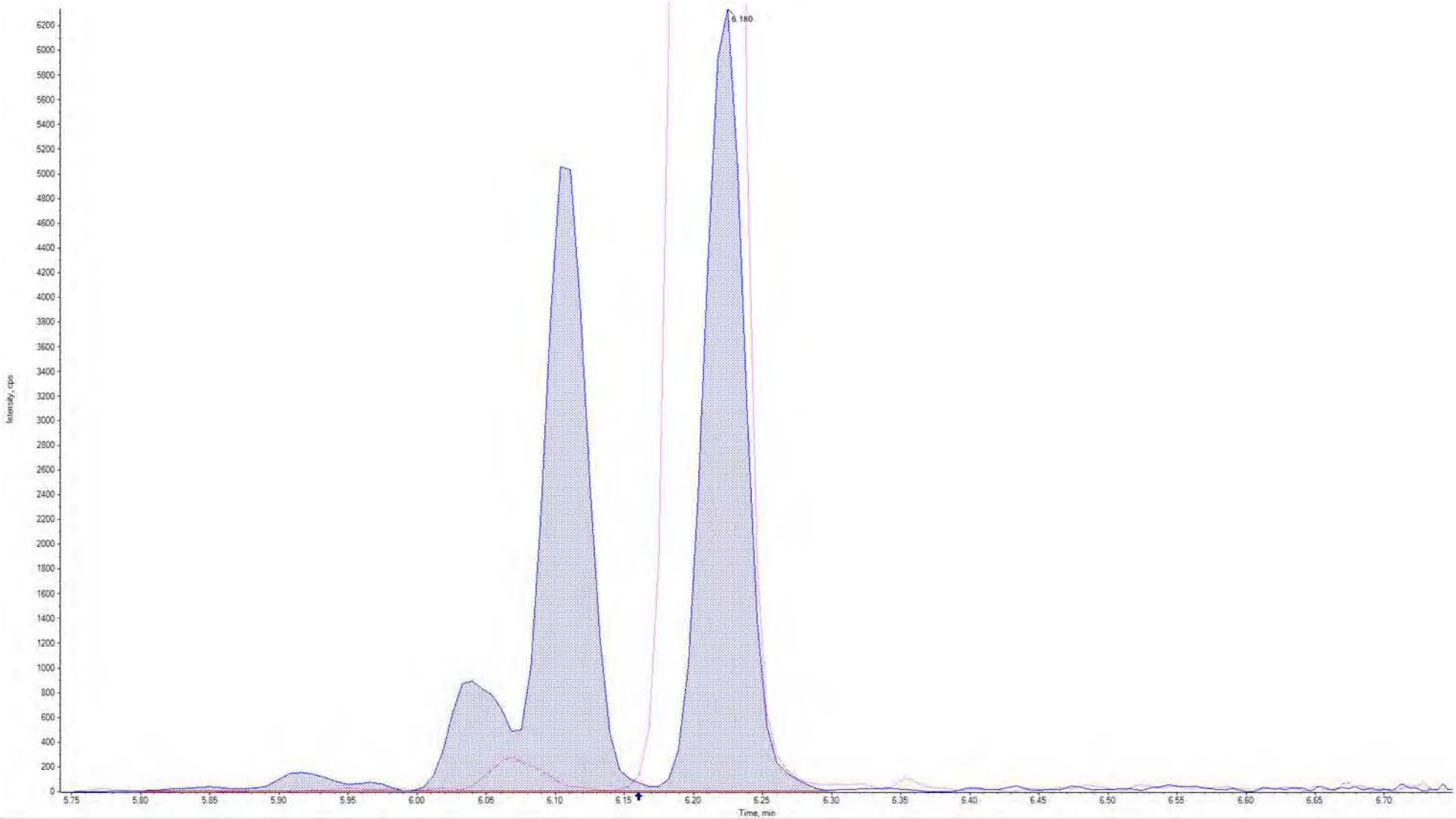


NEtFOSA
Sample: IA1633STD-.5 S/N:284.4 Points Across peak:64

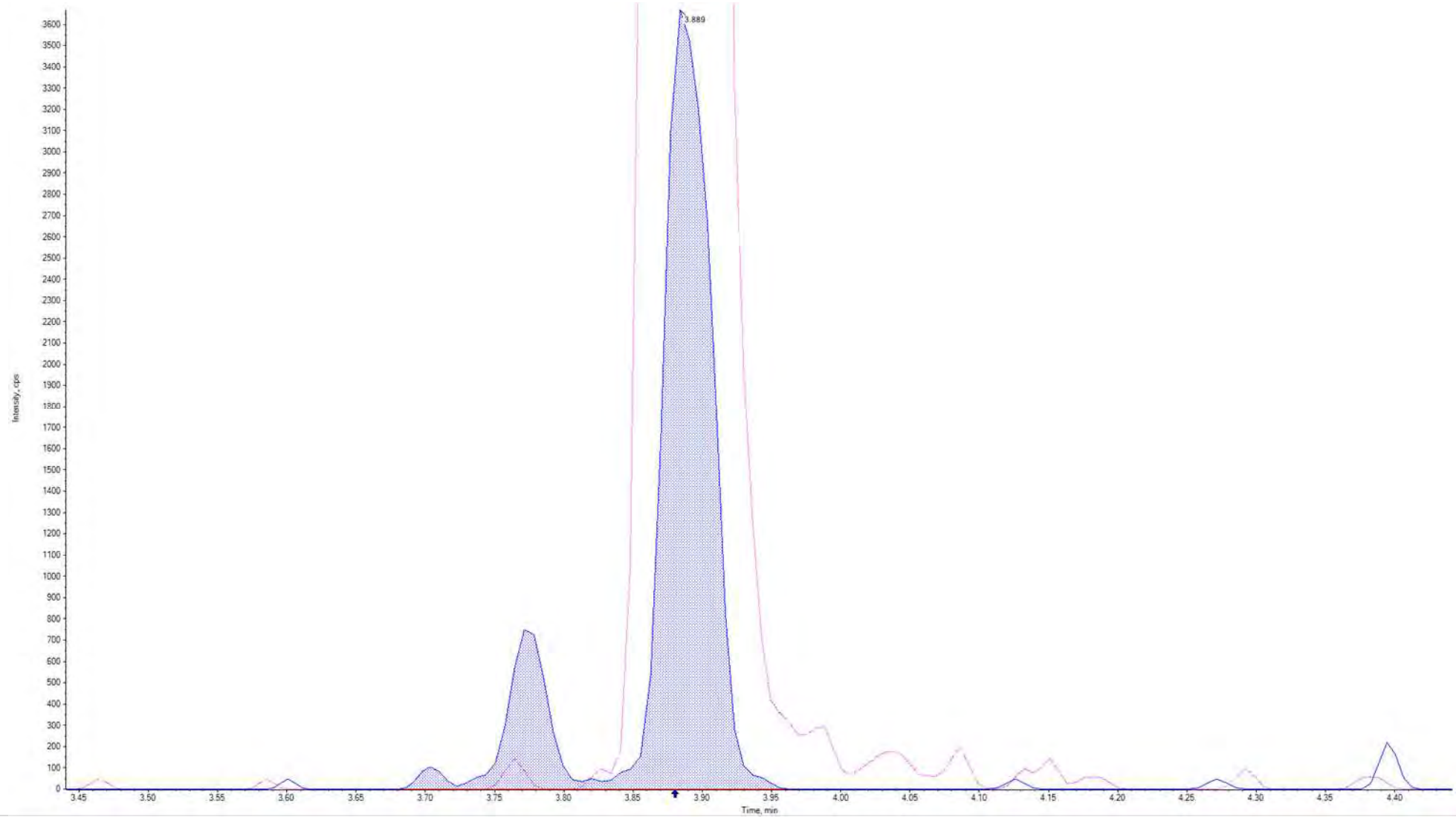


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_18.wiff2_3
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NEtFOSA_2
Sample: IA1633STD-.5 S/N:262.4 Points Across peak:67

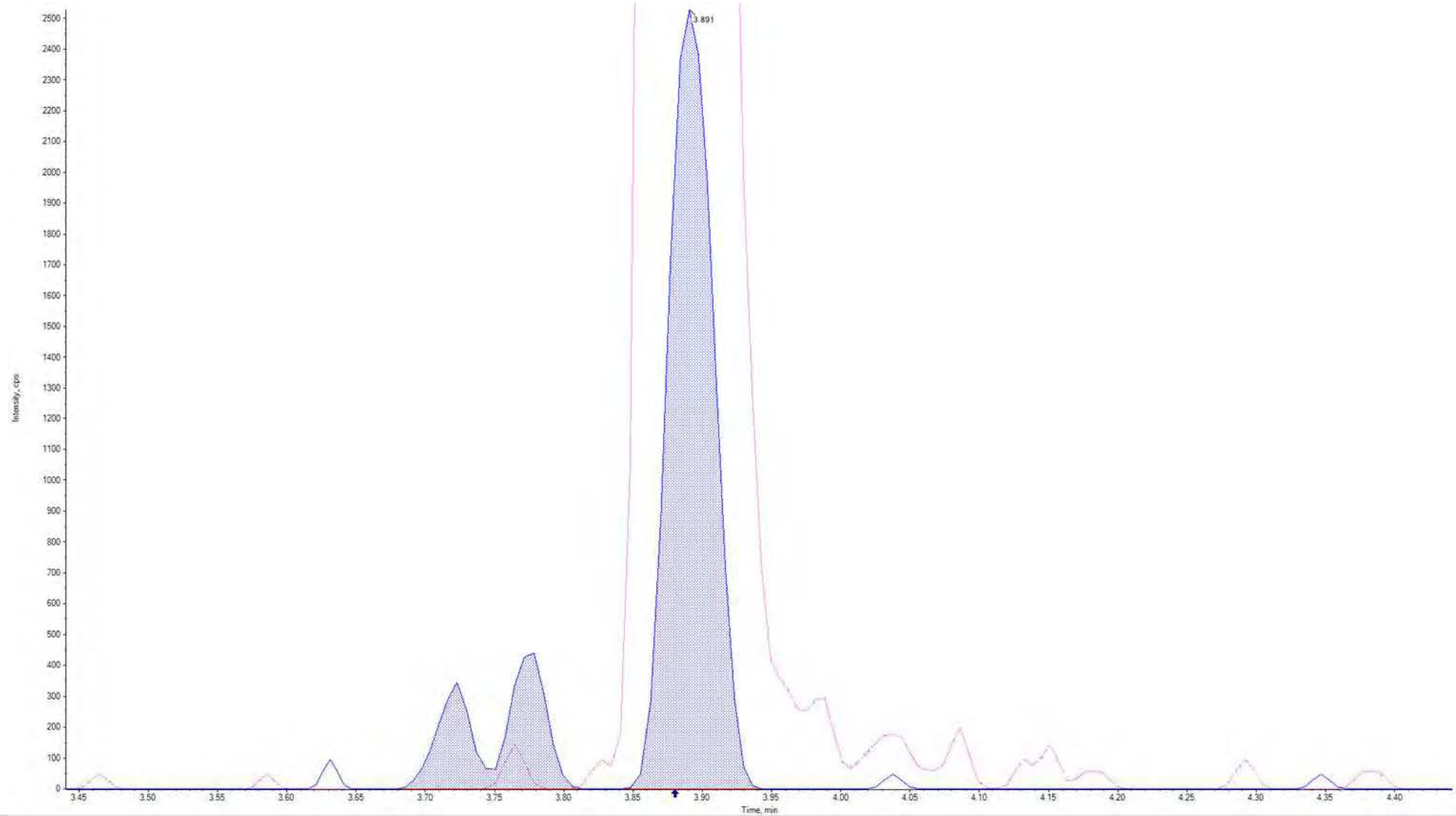


NMeFOSAA
Sample: IA1633STD-.5 S/N:73.6 Points Across peak:45



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_18.wiff2_3
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NMeFOSAA_2
Sample: IA1633STD-.5 S/N:50.7 Points Across peak:43



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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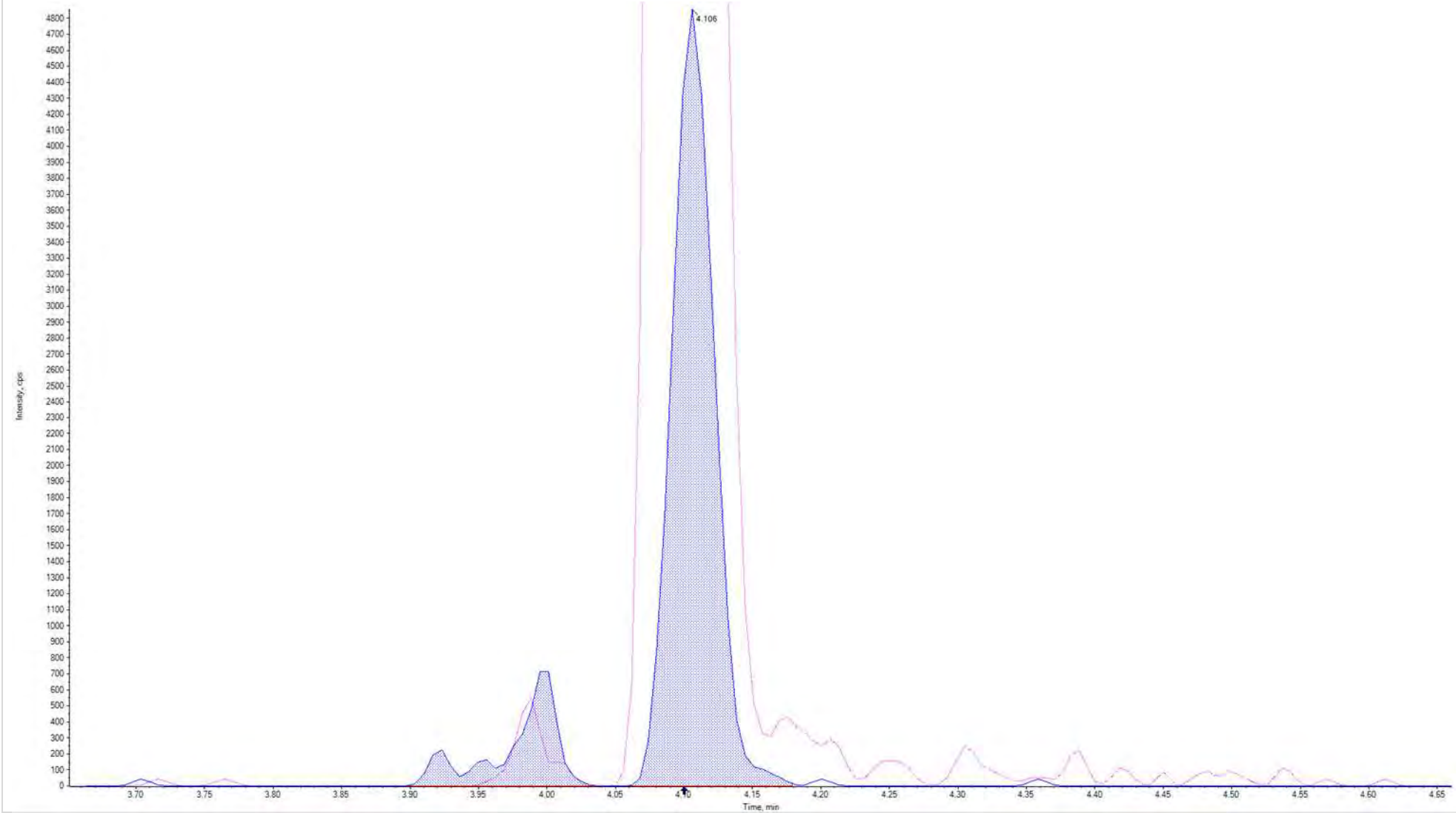
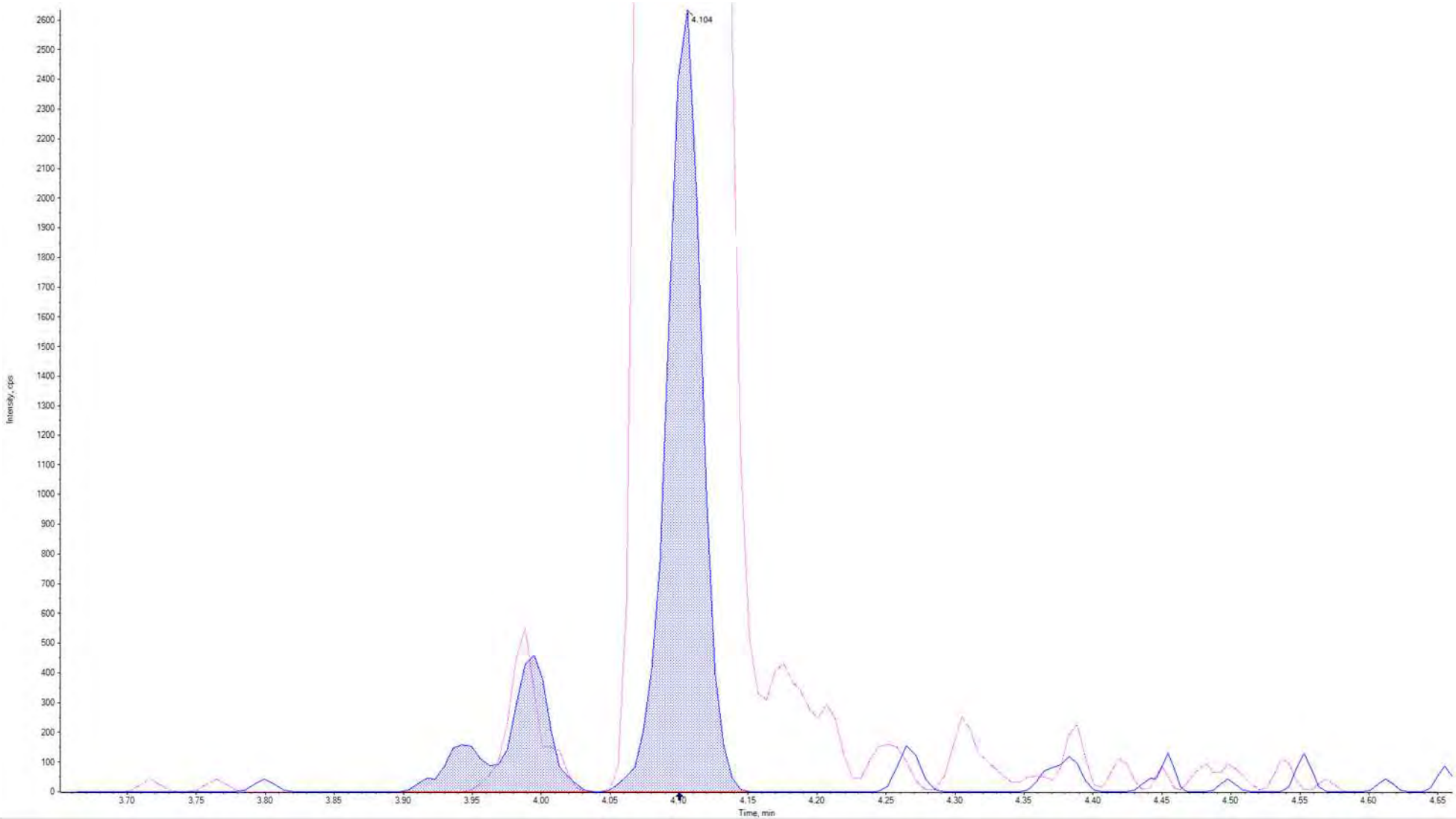
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NEtFOSAA
Sample: IA1633STD-.5 S/N:109.6 Points Across peak:47



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_18.wiff2_3
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NEtFOSAA_2
Sample: IA1633STD-.5 S/N:59.4 Points Across peak:46



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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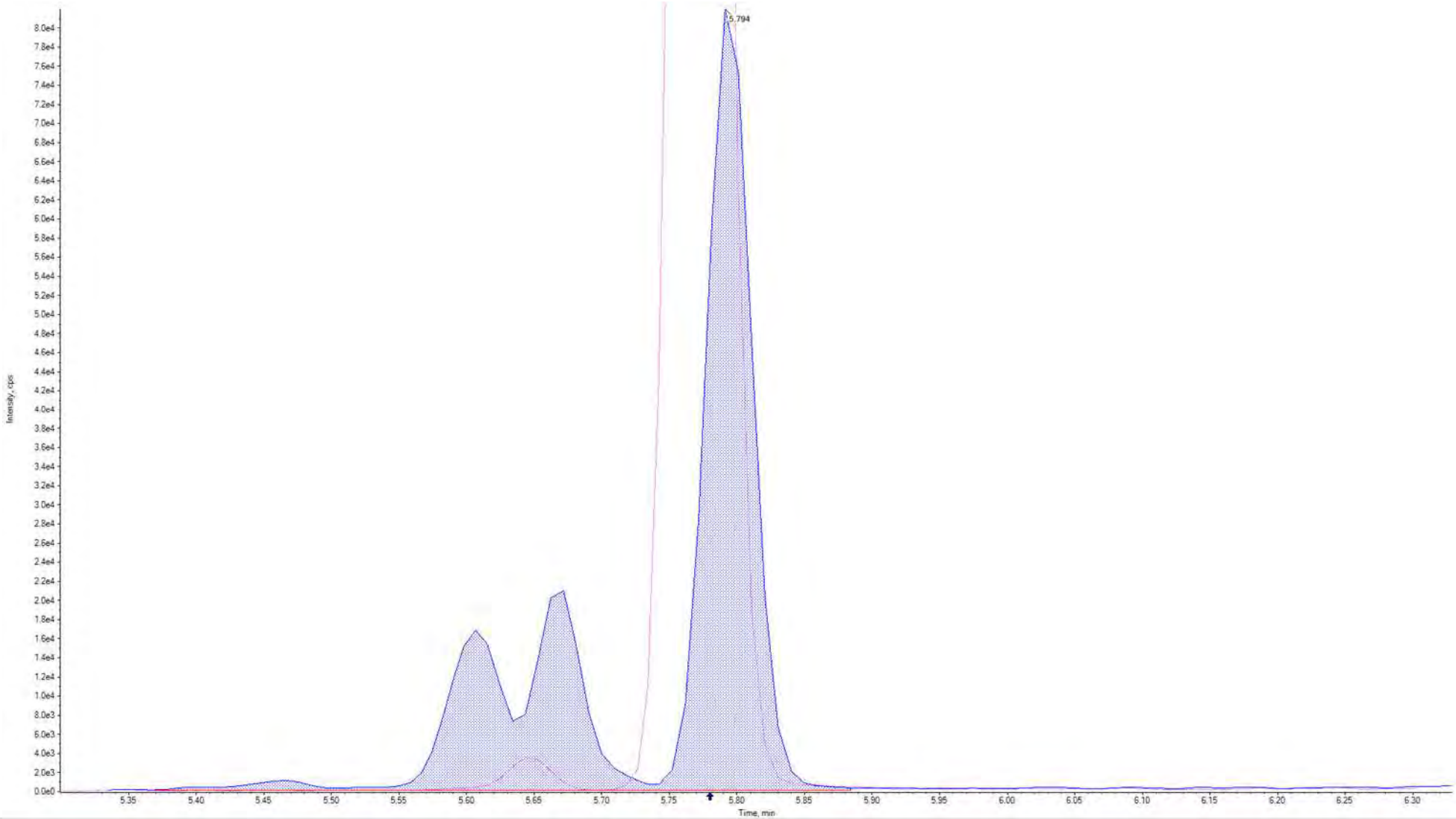
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NMeFOSE
Sample: IA1633STD-.5 S/N:193.7 Points Across peak:62



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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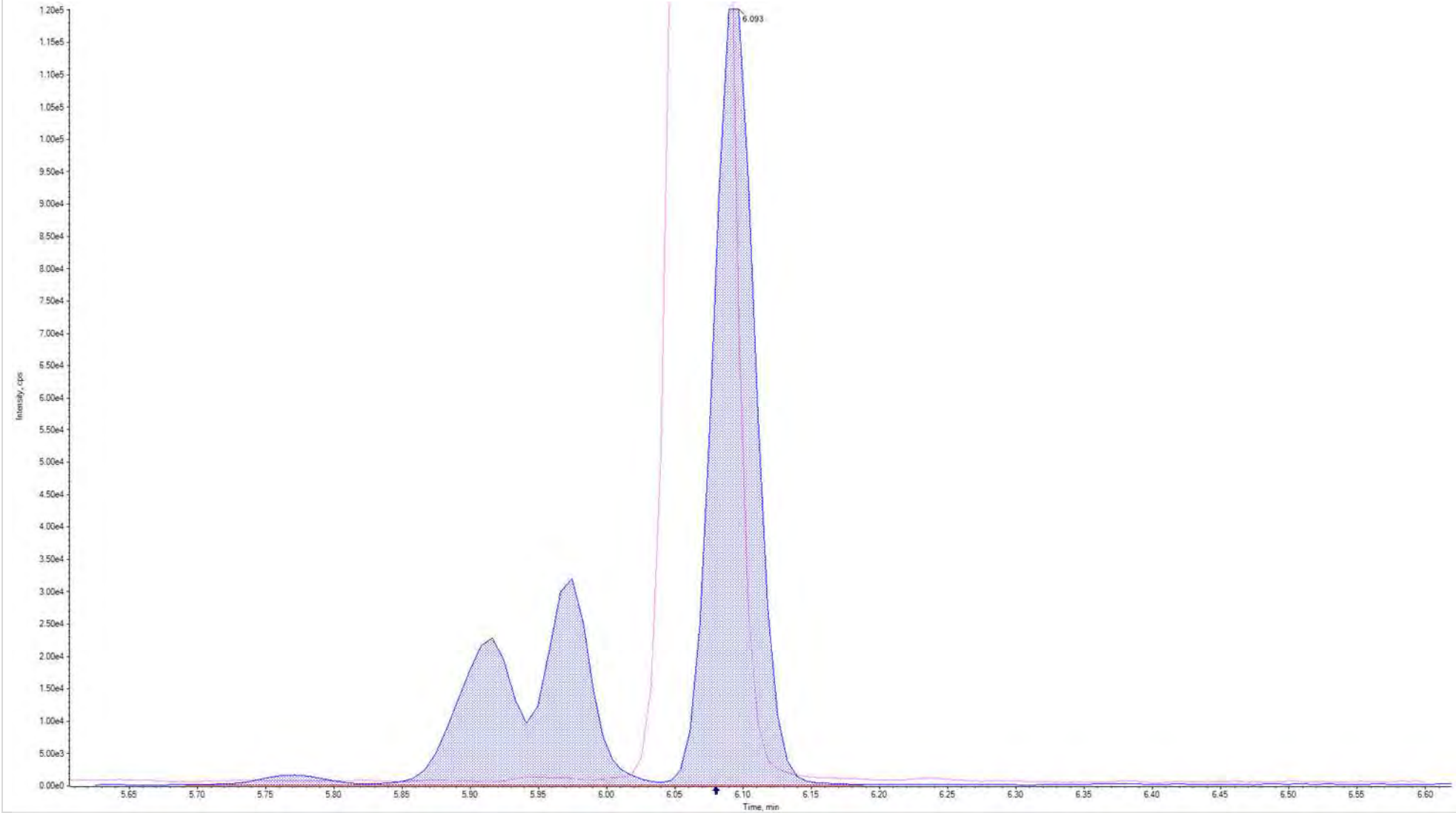
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NEtFOSE
Sample: IA1633STD-.5 S/N:398.0 Points Across peak:63



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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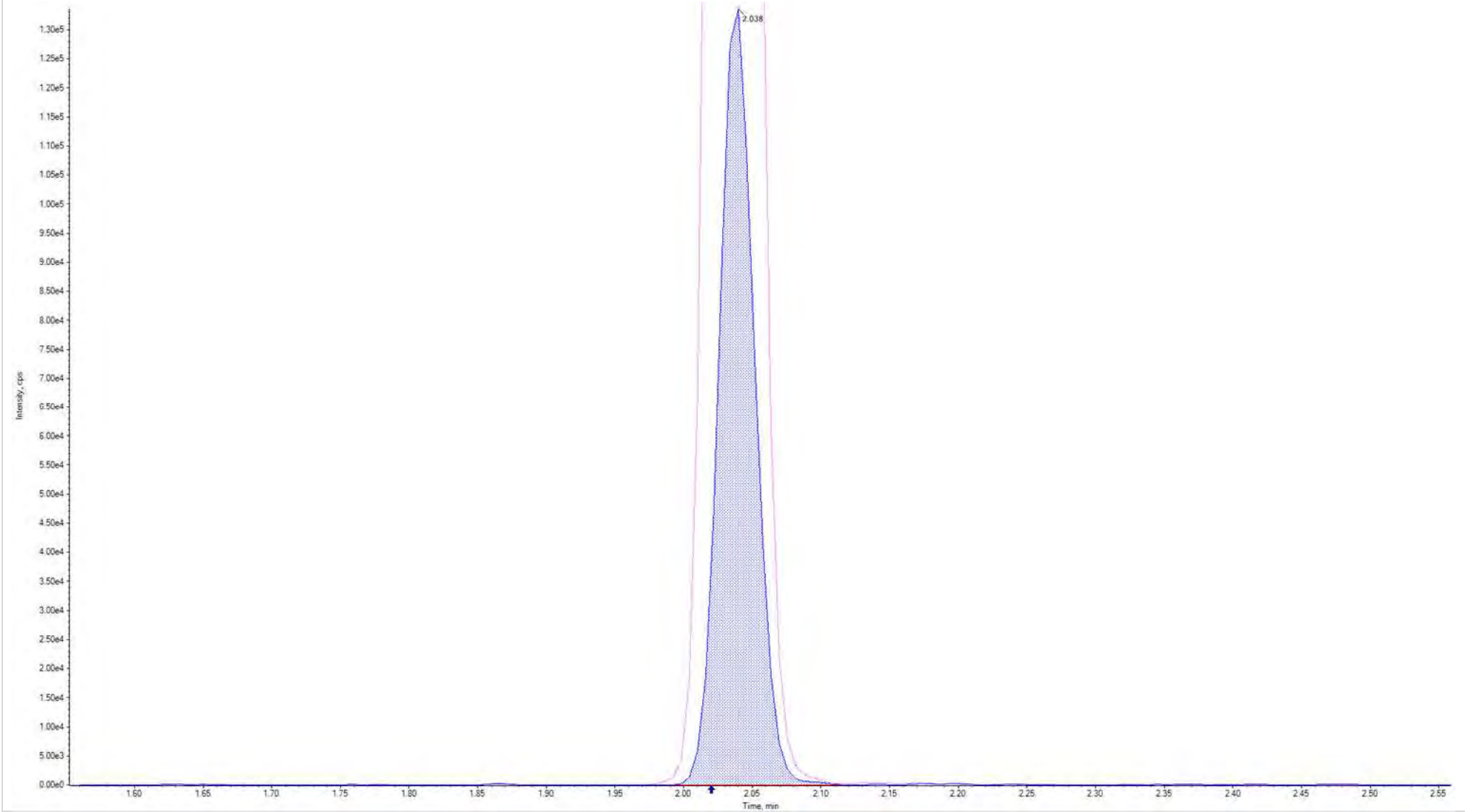
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

HFPO-DA
Sample: IA1633STD-.5 S/N:3012.8 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/12/2024 3:16:42 PM
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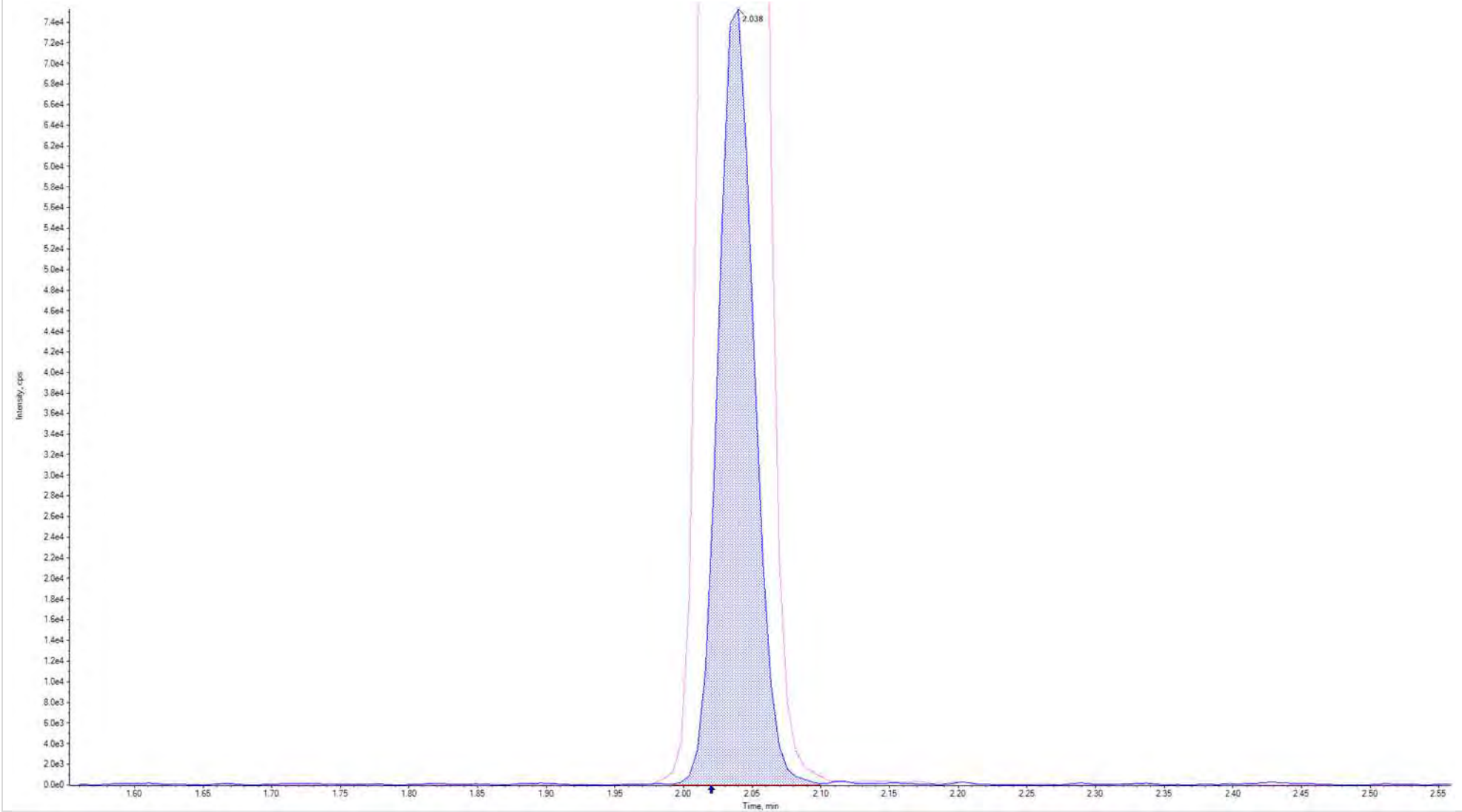
HFPO-DA_2
Sample: IA1633STD-.5 S/N:1697.5 Points Across peak:19



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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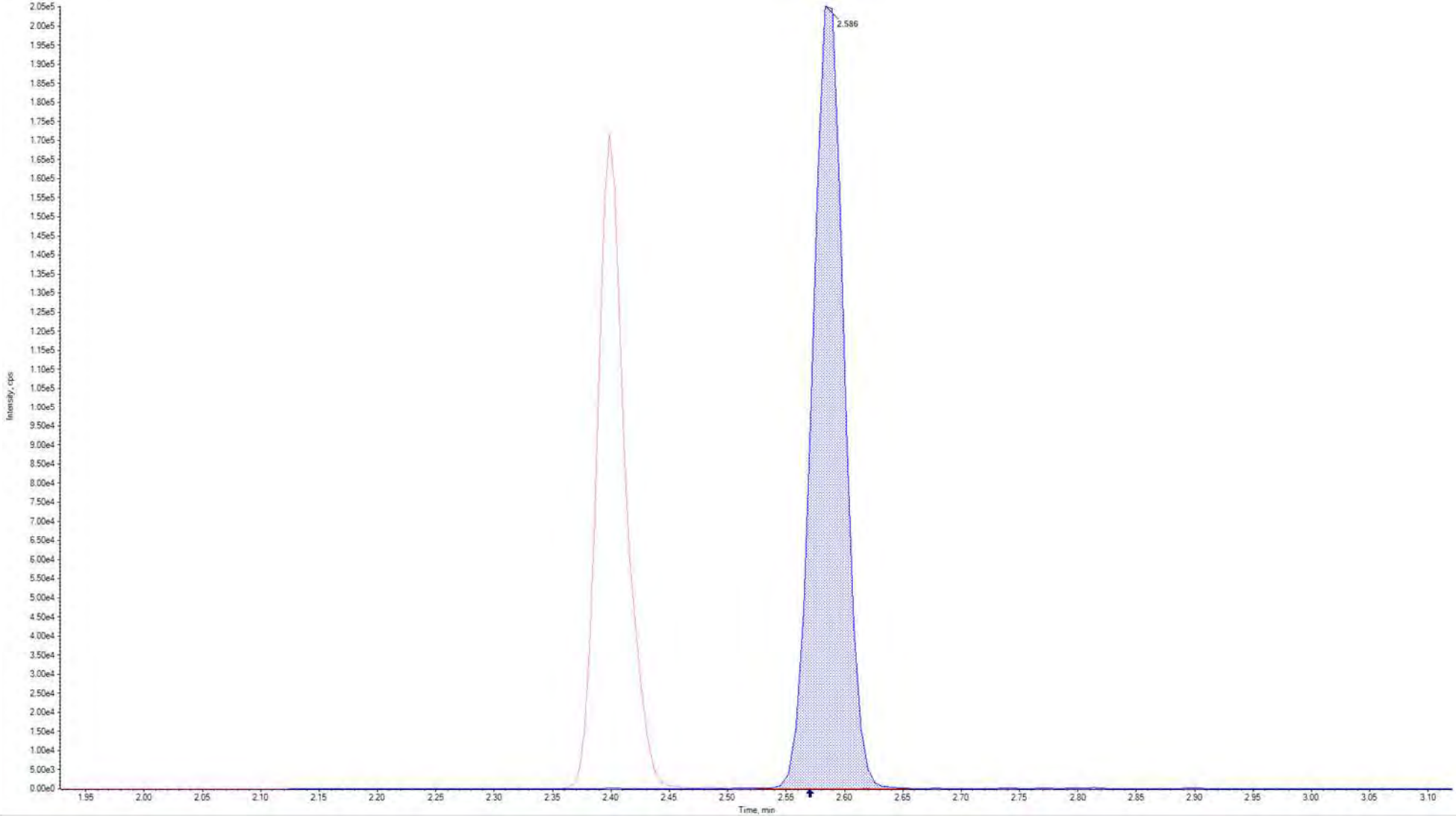
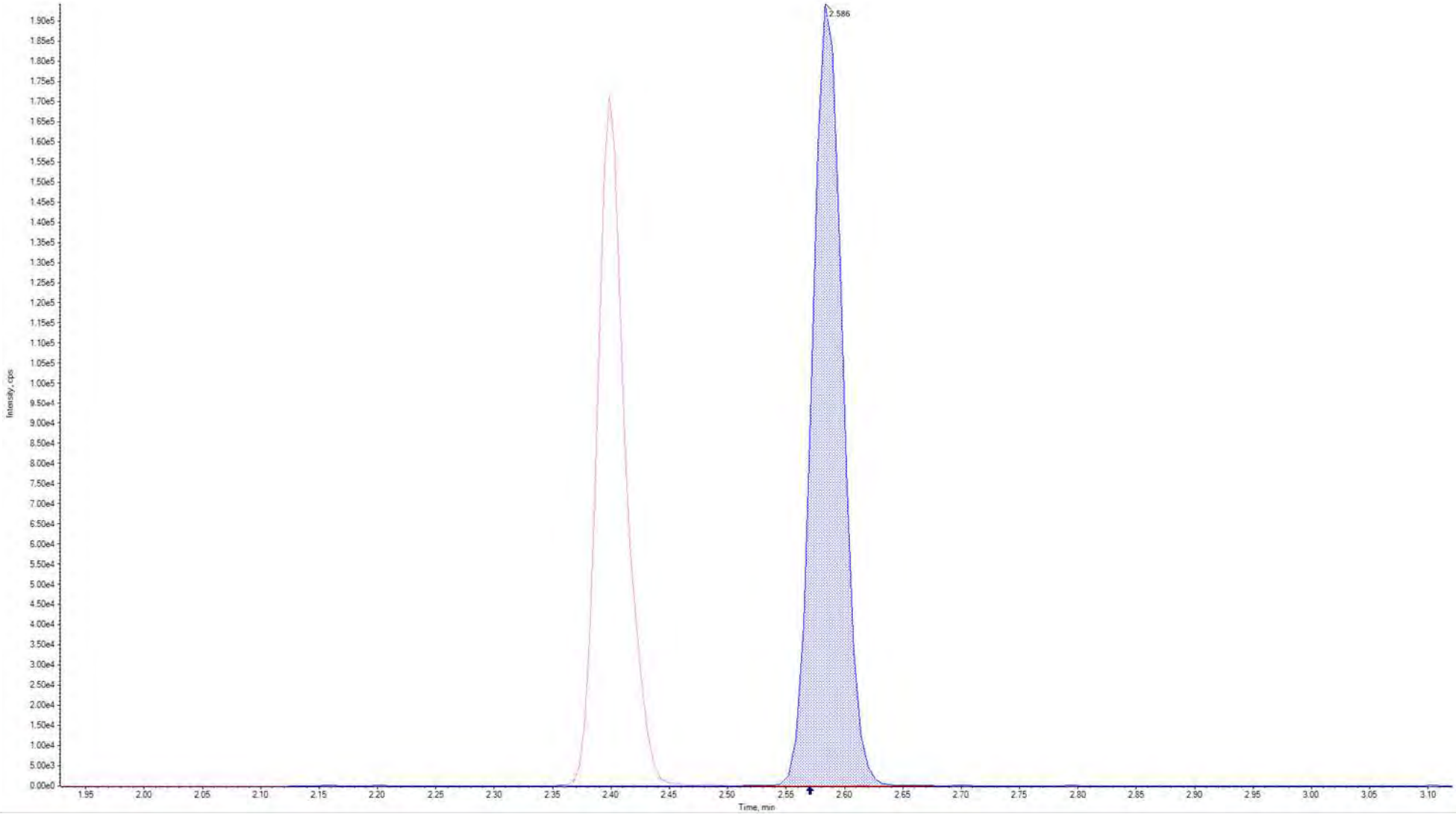
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

ADONA
Sample: IA1633STD-.5 S/N:4115.4 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_18.wiff2_3
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

ADONA_2
Sample: IA1633STD-.5 S/N:3857.1 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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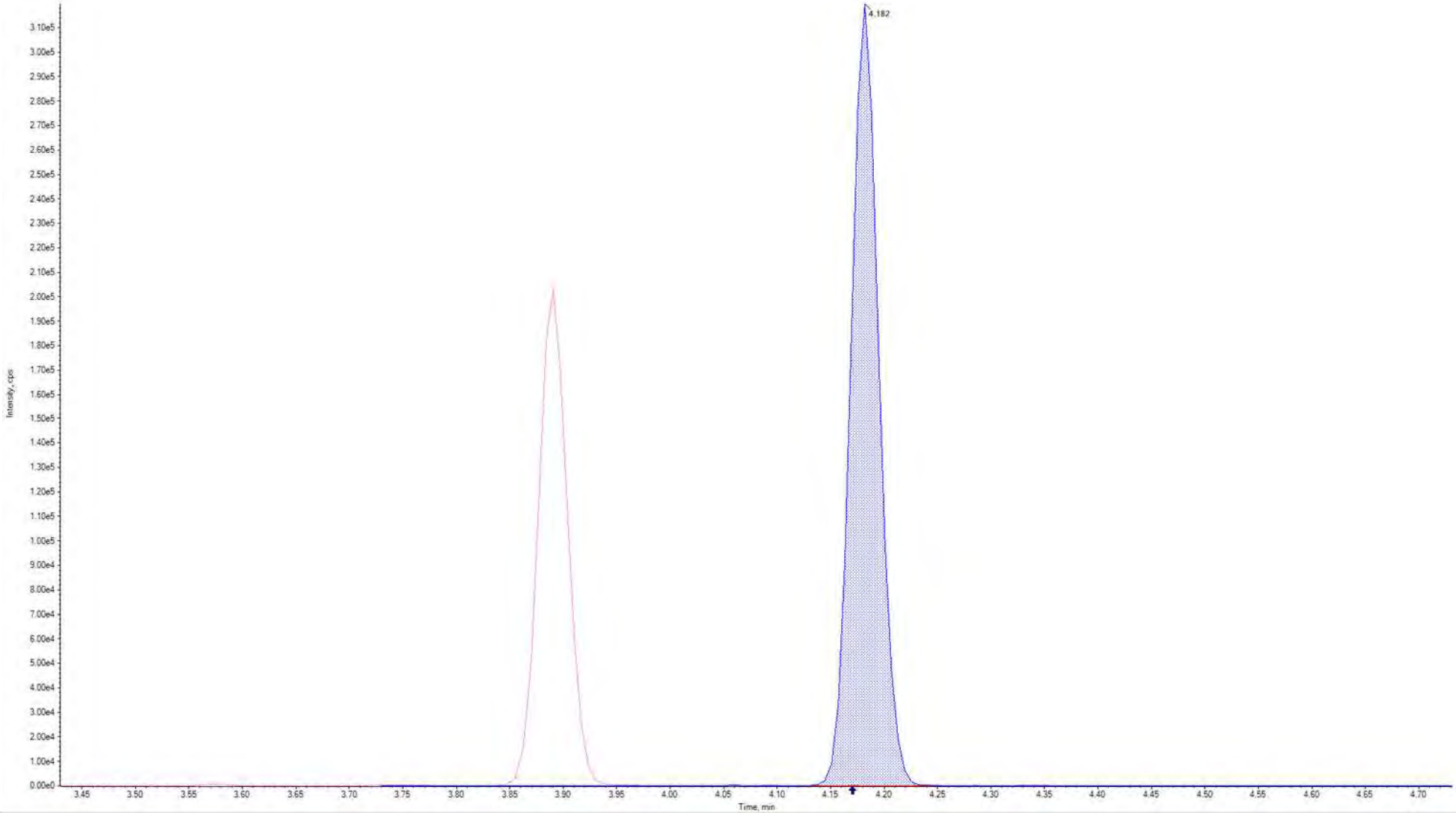
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

9Cl-PF3ONS
Sample: IA1633STD-.5 S/N:7213.1 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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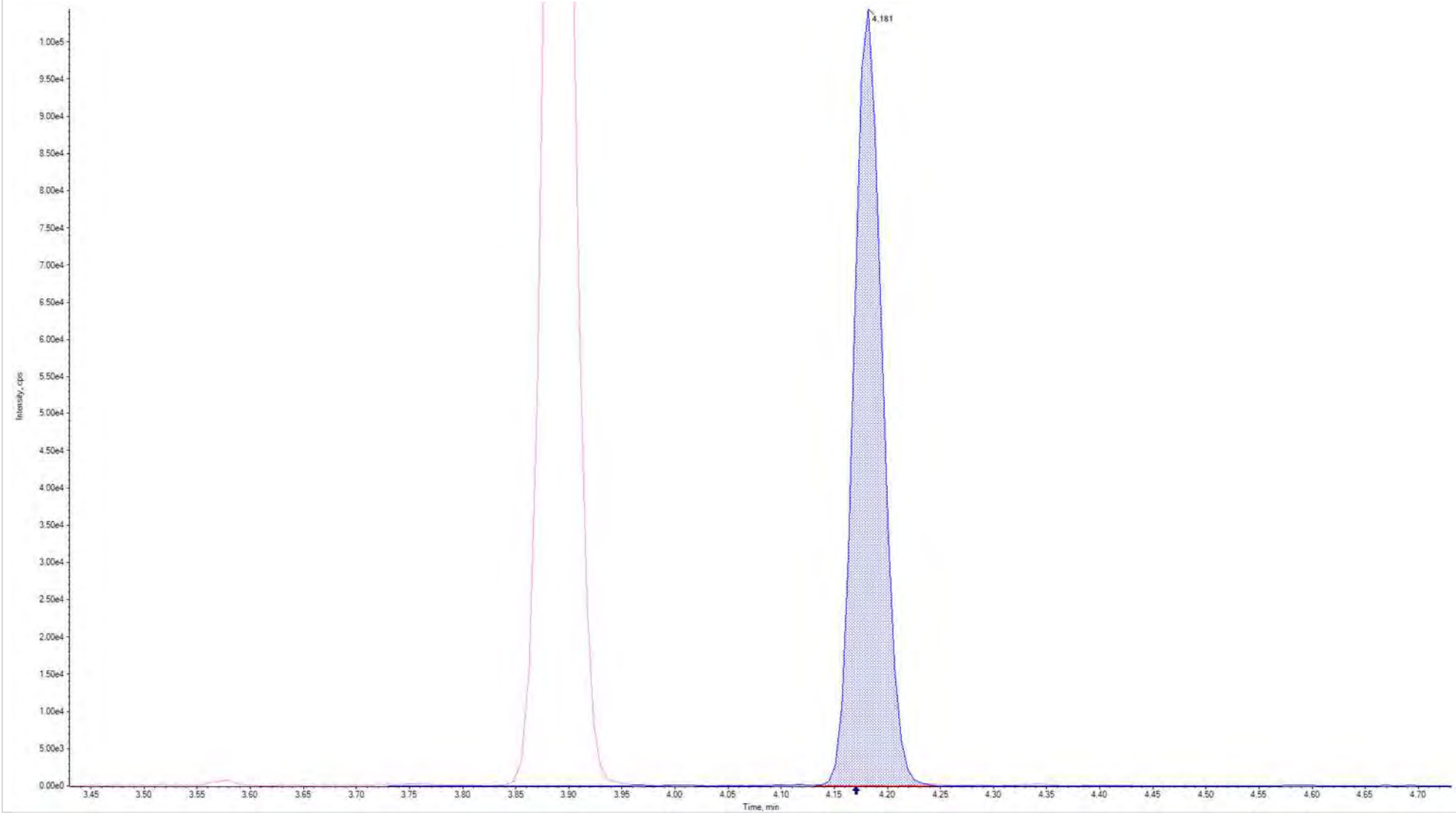
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

9Cl-PF3ONS_2
Sample: IA1633STD-.5 S/N:2355.5 Points Across peak:20



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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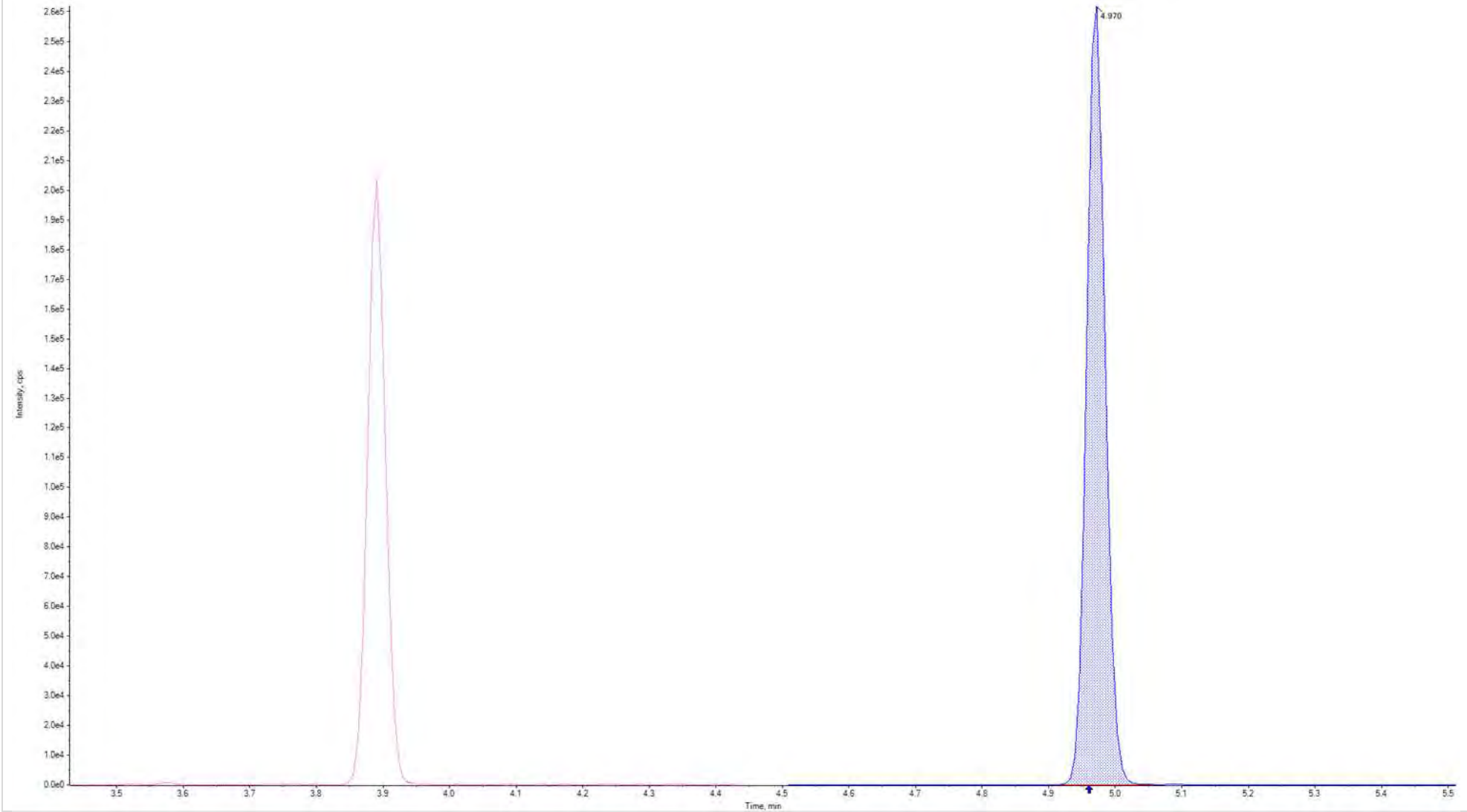
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

11Cl-PF3OUdS
Sample: IA1633STD-.5 S/N:4960.6 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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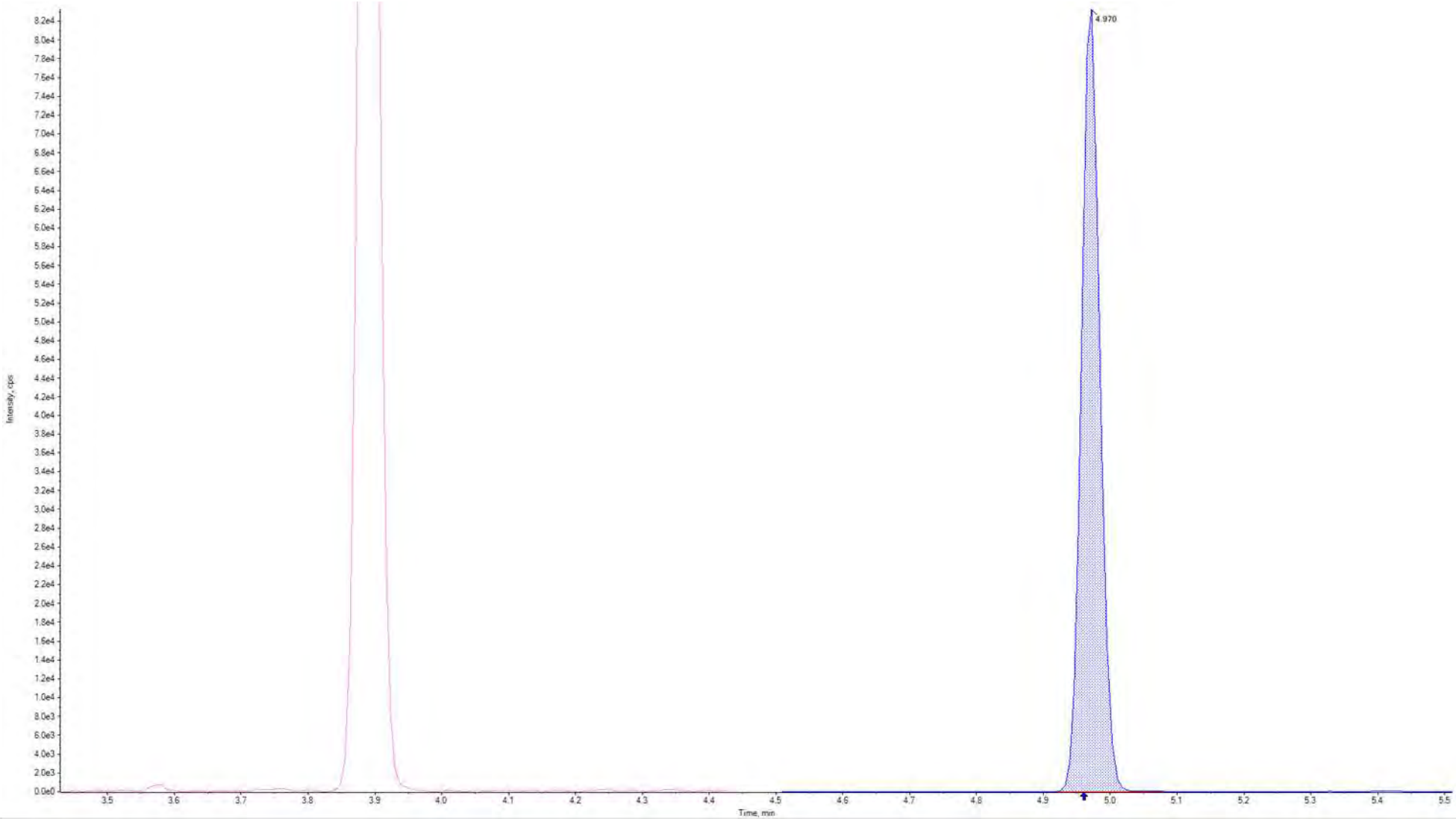
Generated: 11/12/2024 2:03:37 PM

11Cl-PF3OUdS_2
Sample: IA1633STD-.5 S/N:3966.4 Points Across peak:36



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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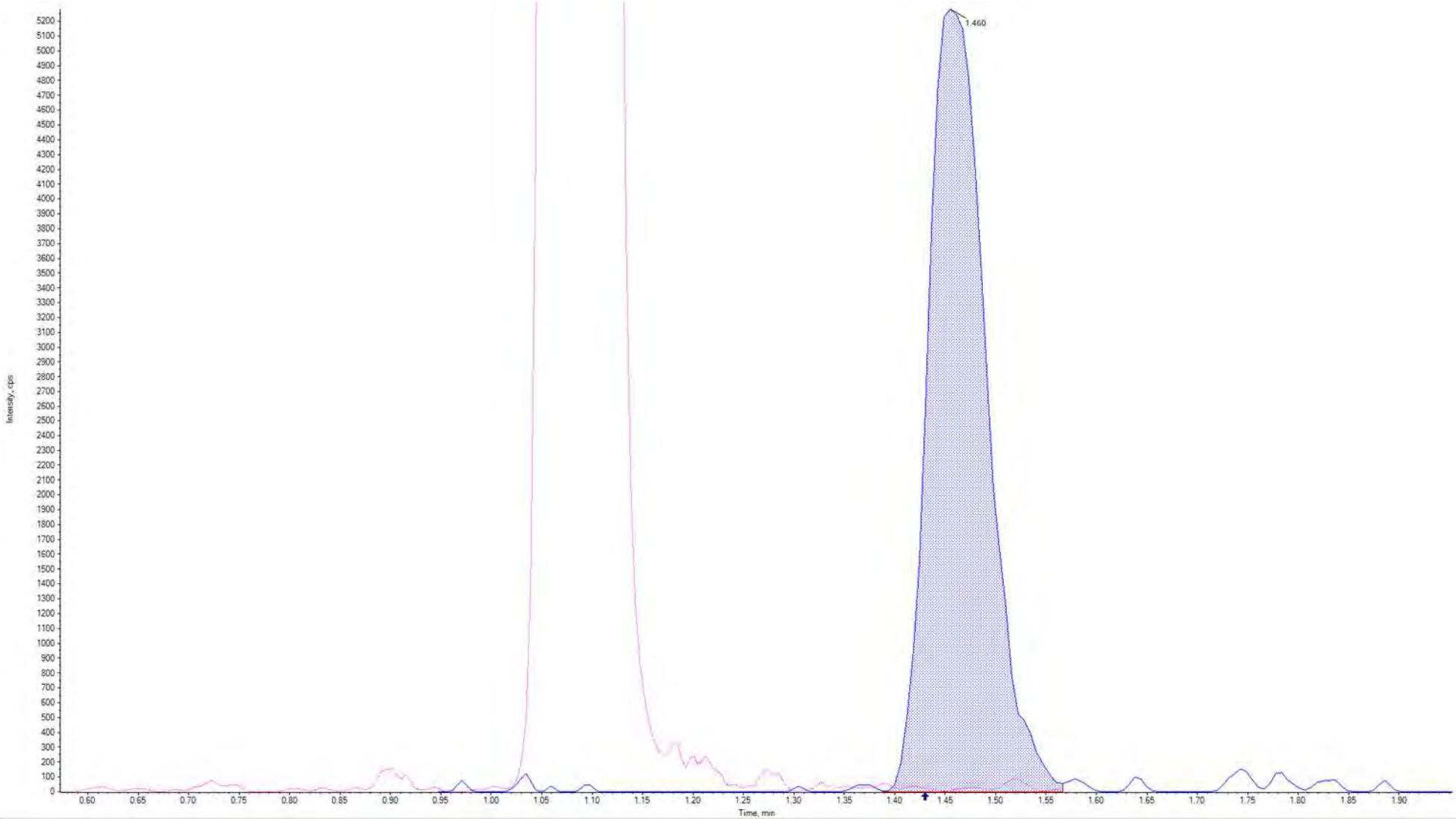
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

3:3FTCA
Sample: IA1633STD-.5 S/N:132.4 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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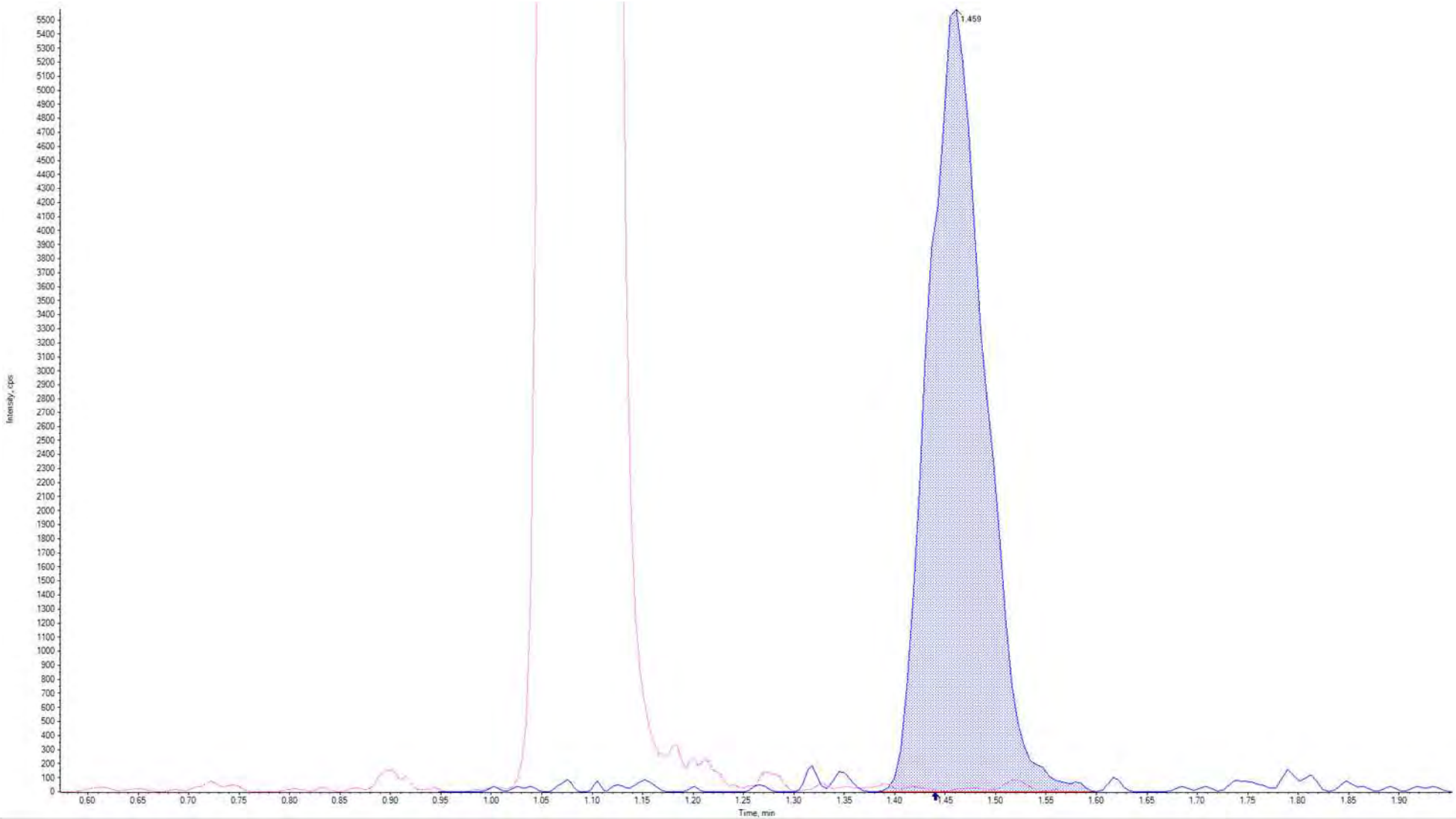
Generated: 11/12/2024 2:03:37 PM

3:3FTCA_2
Sample: IA1633STD-.5 S/N:139.8 Points Across peak:37



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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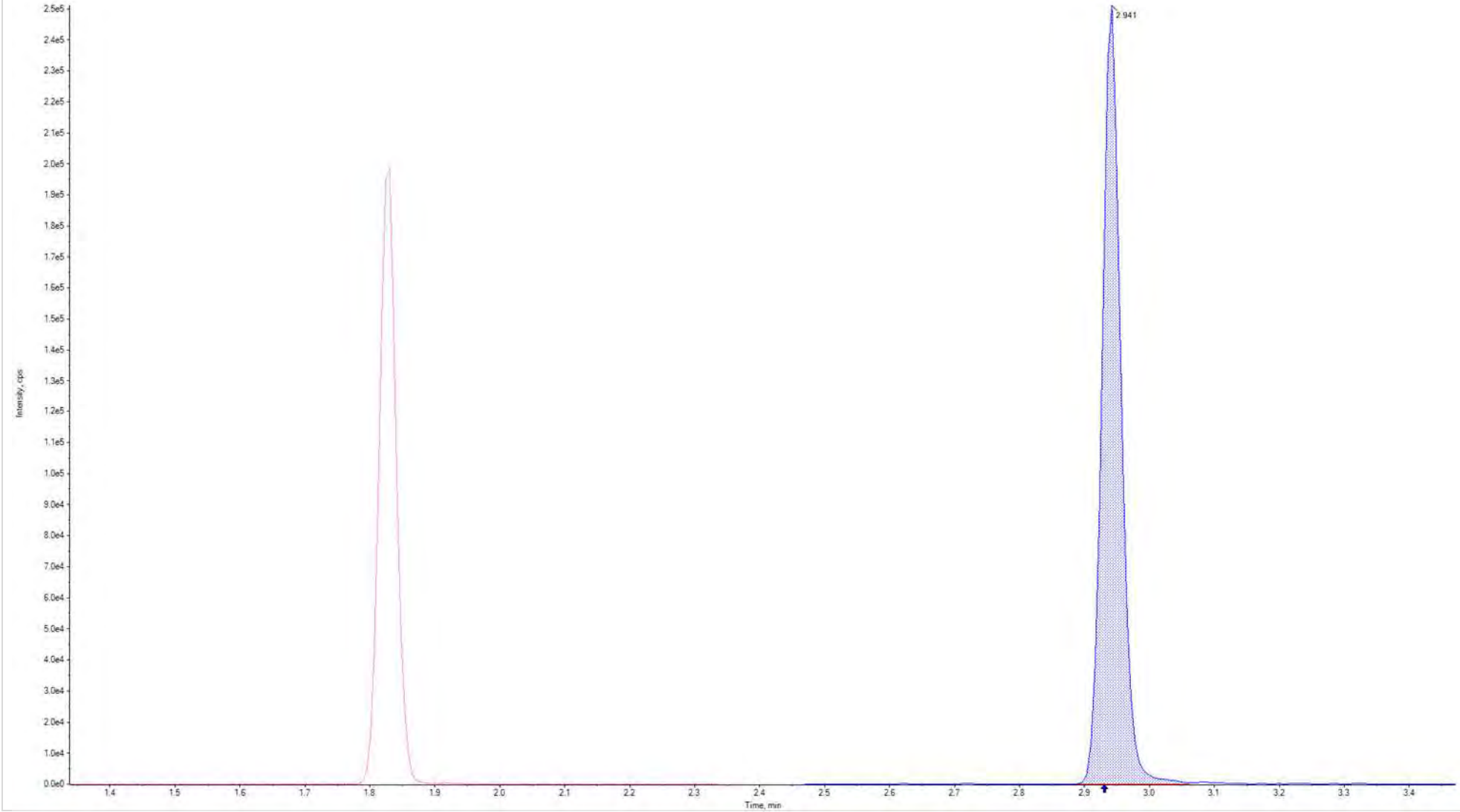
5:3FTCA
Sample: IA1633STD-.5 S/N:5664.2 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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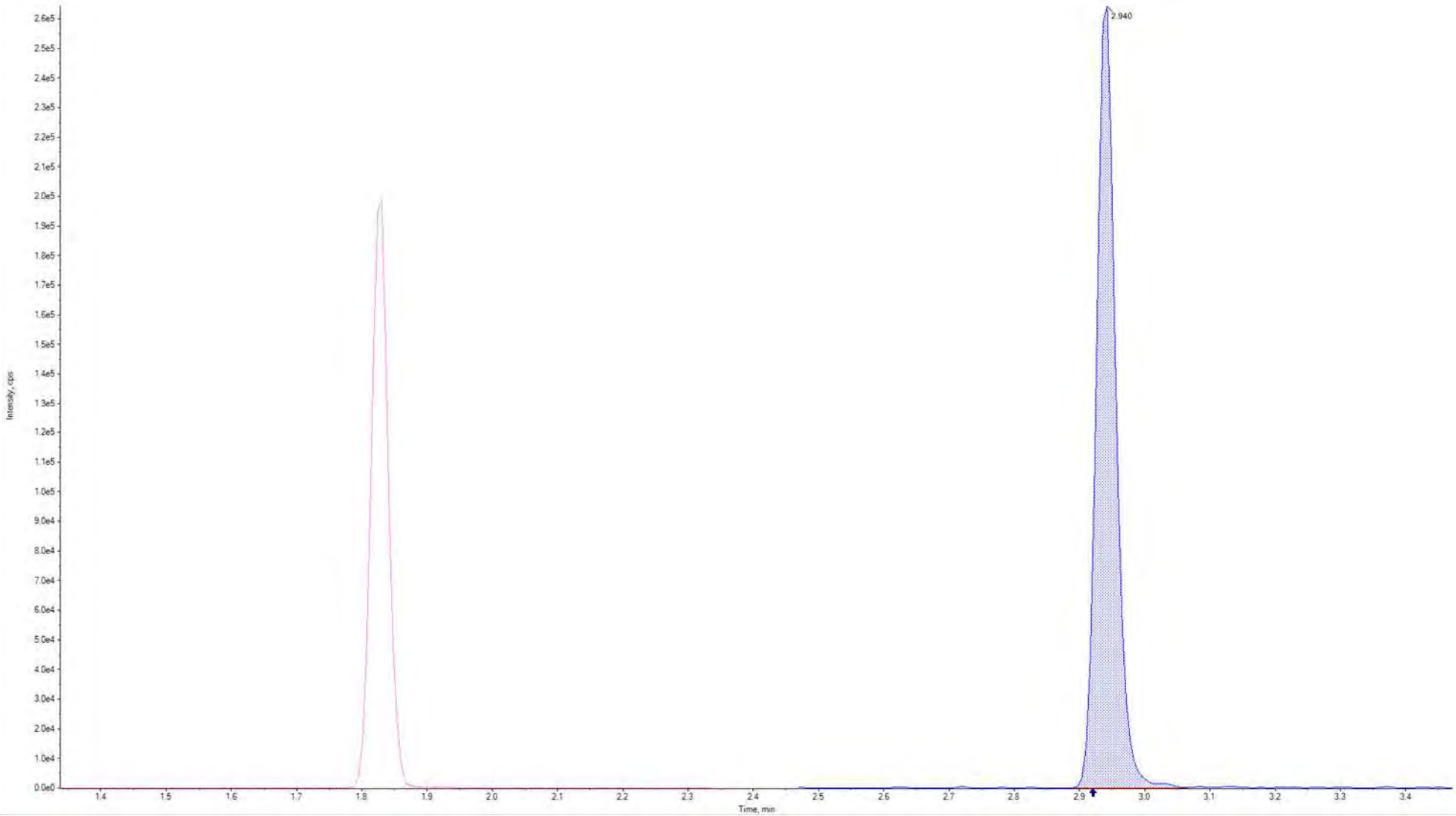
Generated: 11/12/2024 2:03:37 PM

5:3FTCA_2
Sample: IA1633STD-.5 S/N:5961.3 Points Across peak:36



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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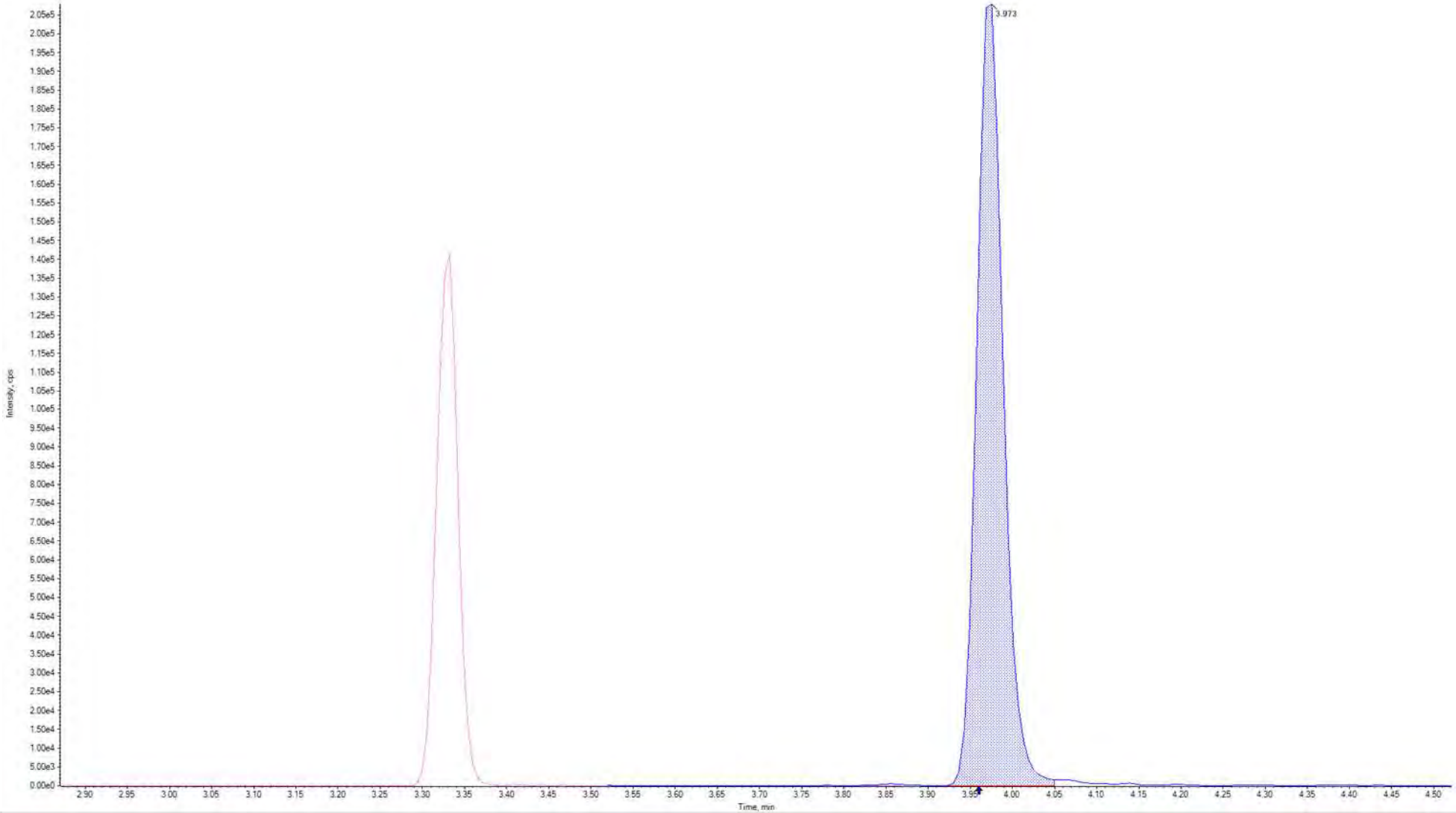
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

7:3FTCA
Sample: IA1633STD-.5 S/N:5733.6 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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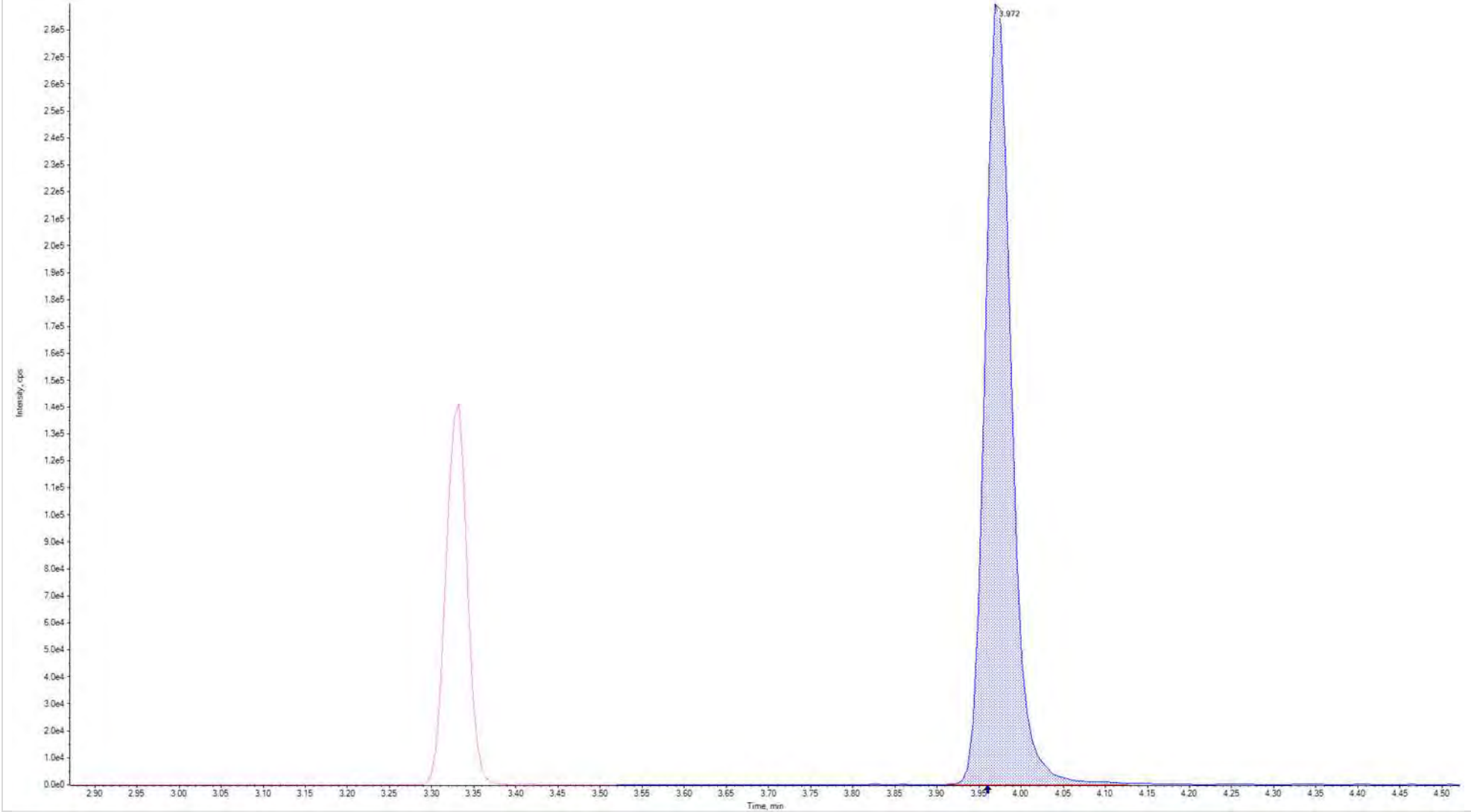
Generated: 11/12/2024 2:03:37 PM

7:3FTCA_2
Sample: IA1633STD-.5 S/N:7987.4 Points Across peak:37



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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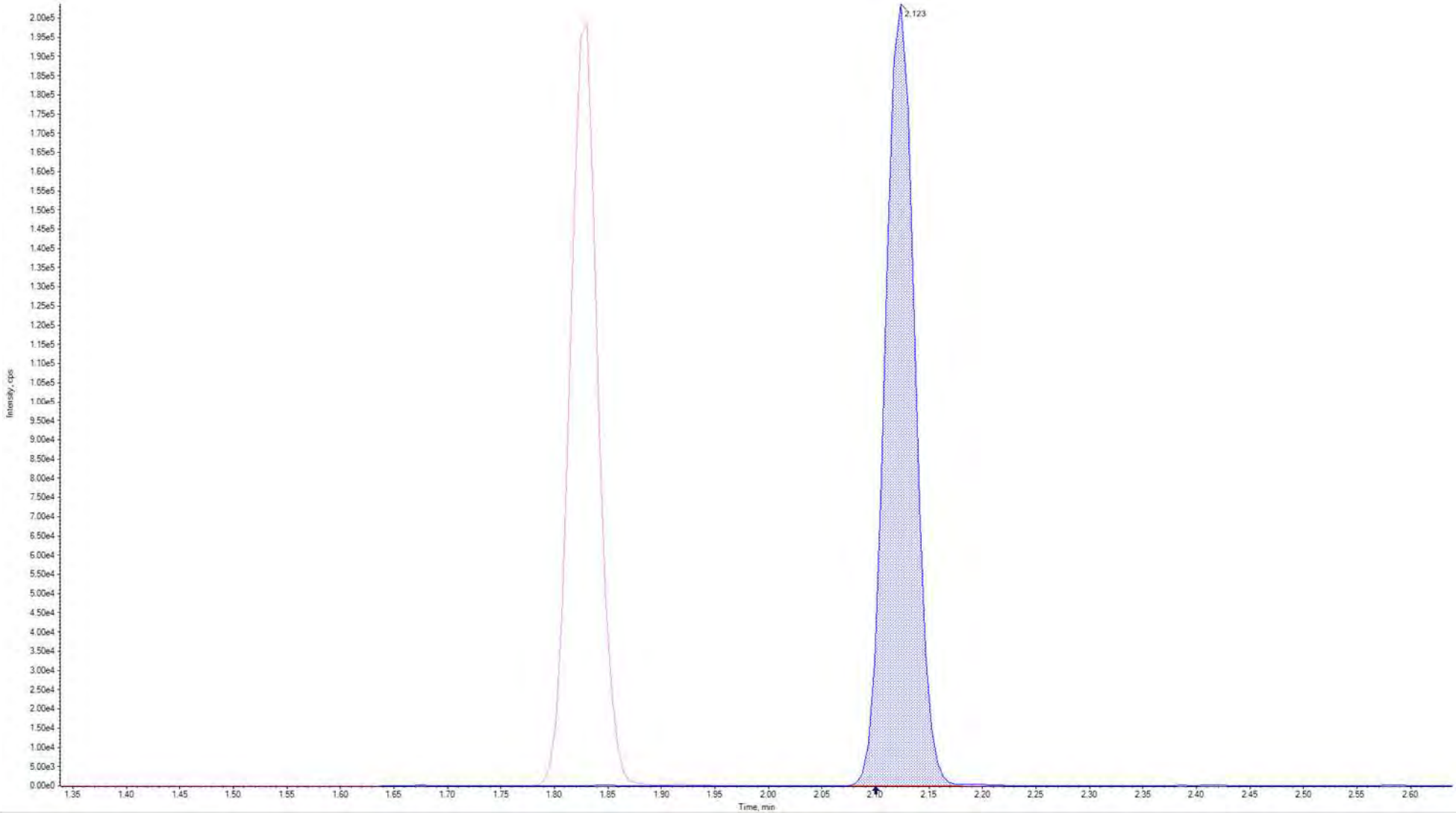
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFEESA
Sample: IA1633STD-.5 S/N:3725.8 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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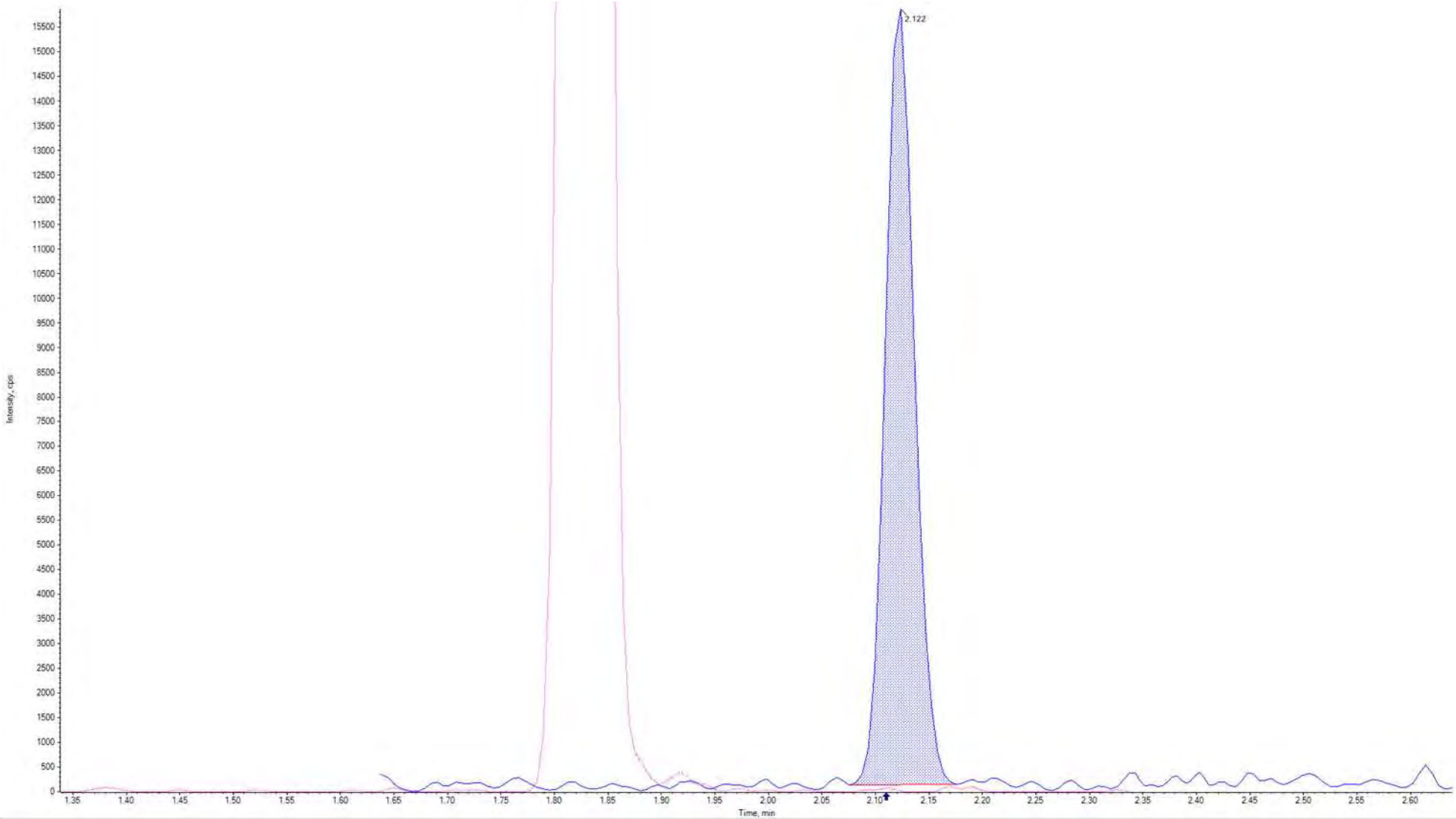
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFEESA_2
Sample: IA1633STD-.5 S/N:354.7 Points Across peak:18



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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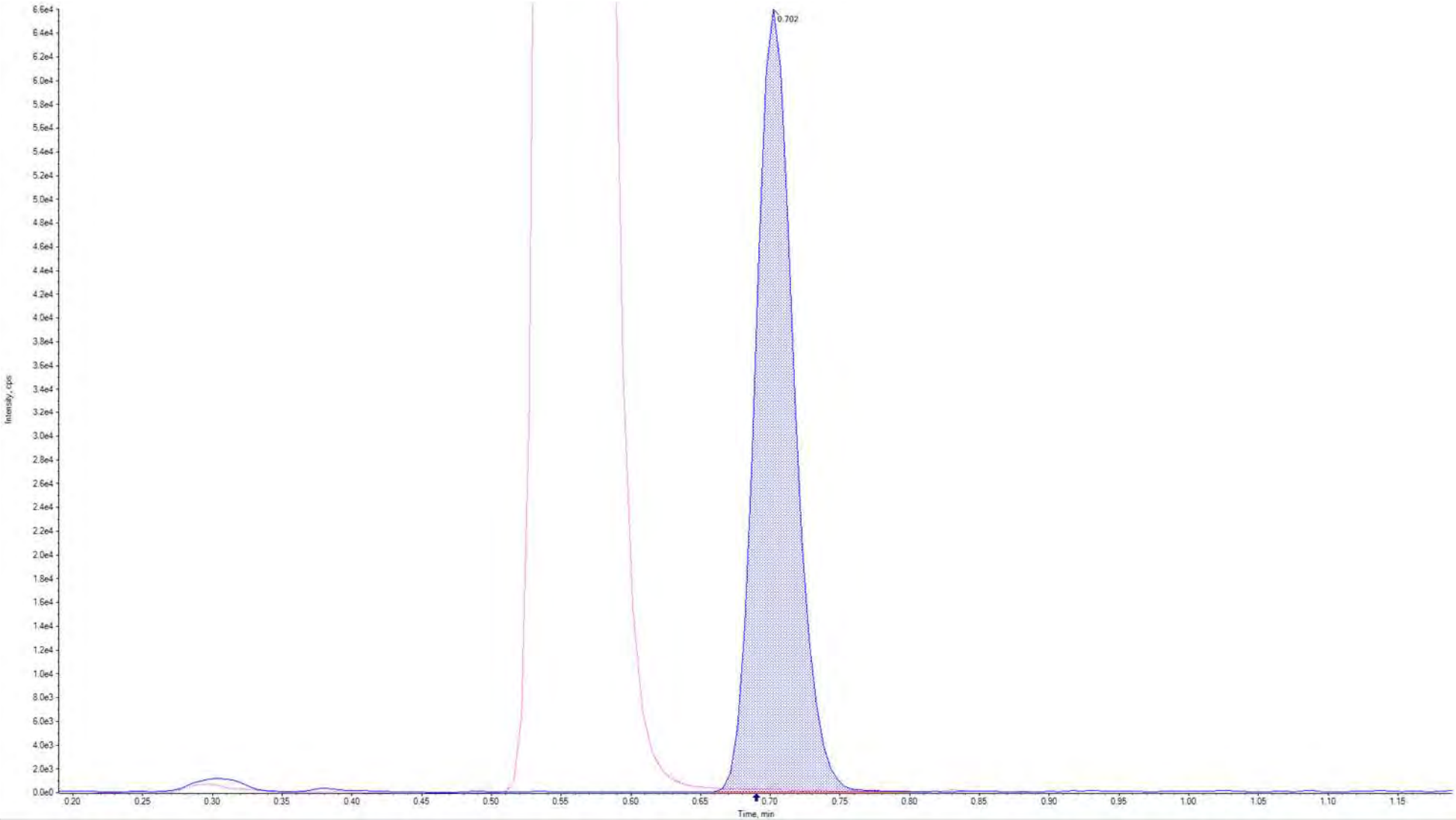
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFMPA
Sample: IA1633STD-.5 S/N:4001.3 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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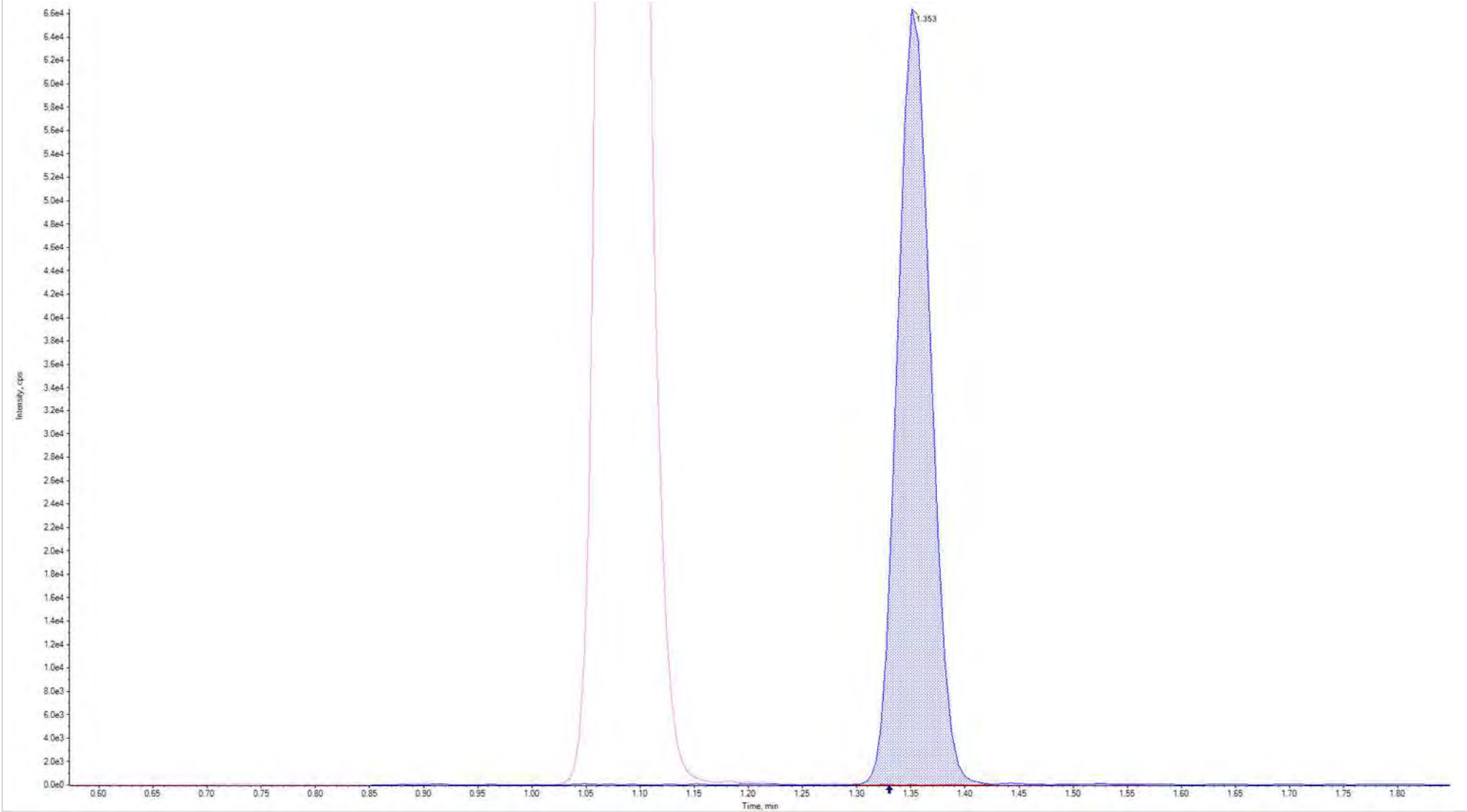
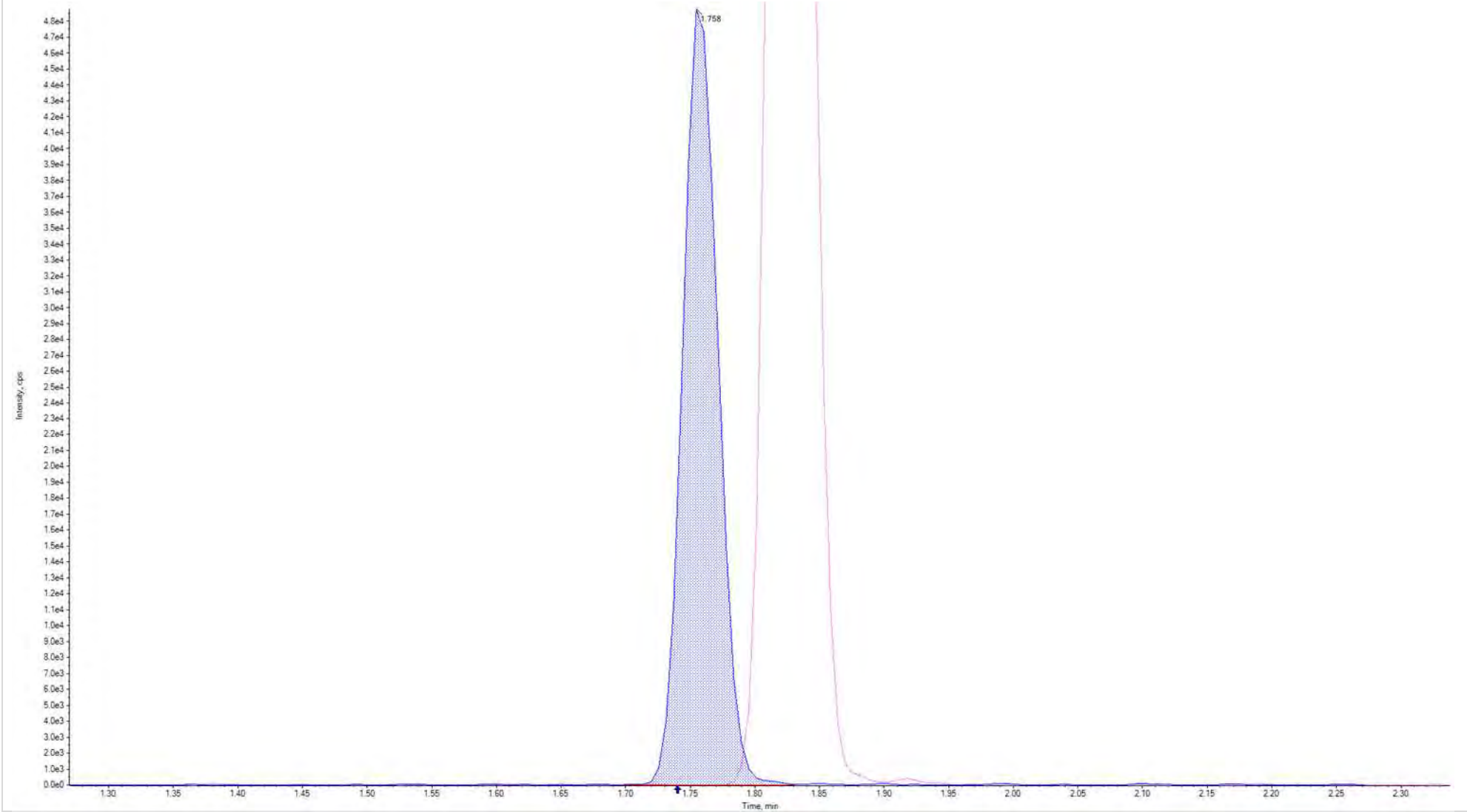
Generated: 11/12/2024 2:03:37 PM

PFMBA
Sample: IA1633STD-.5 S/N:3826.5 Points Across peak:28



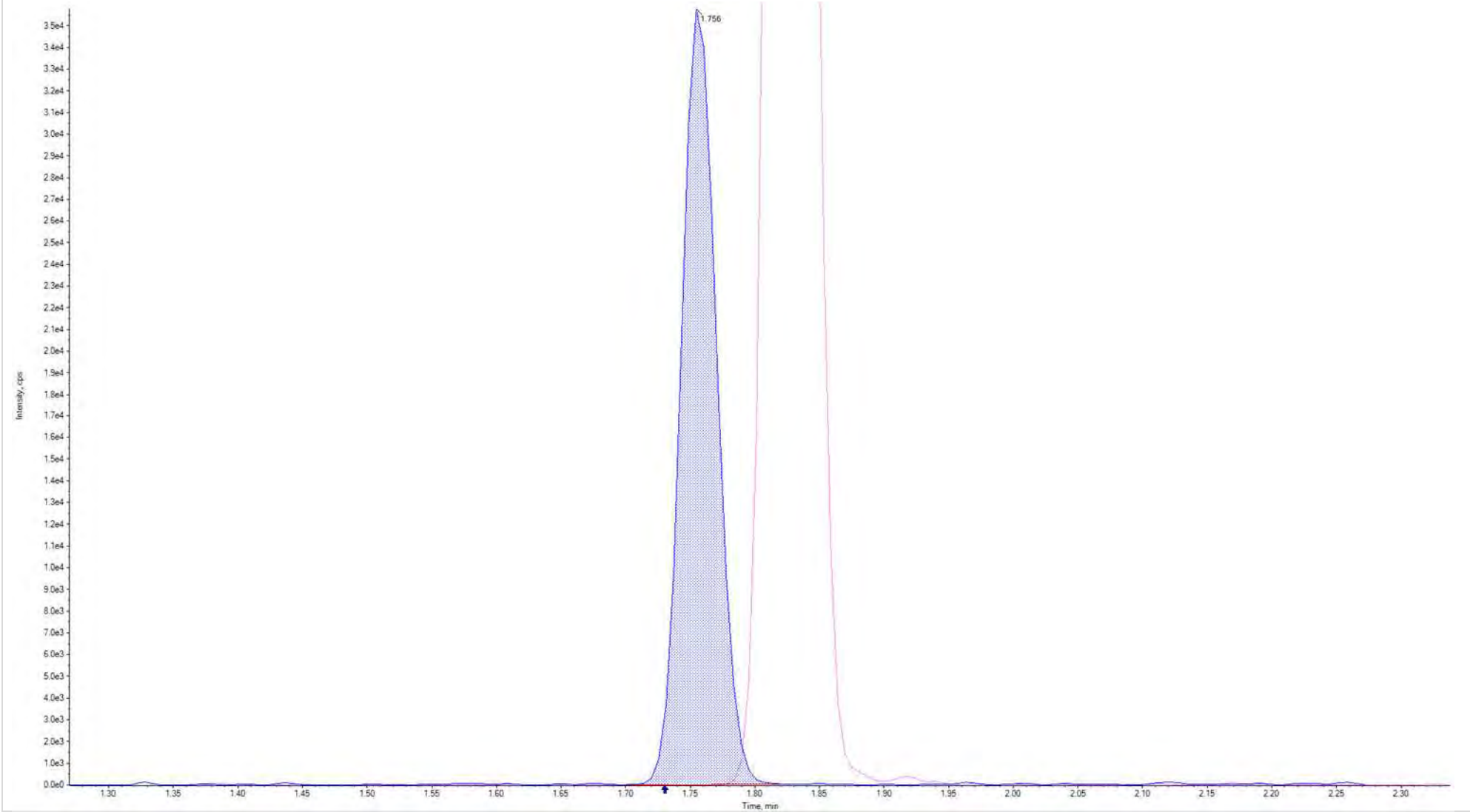
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_18.wiff2_3
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NFDHA
Sample: IA1633STD-.5 S/N:1344.5 Points Across peak:25

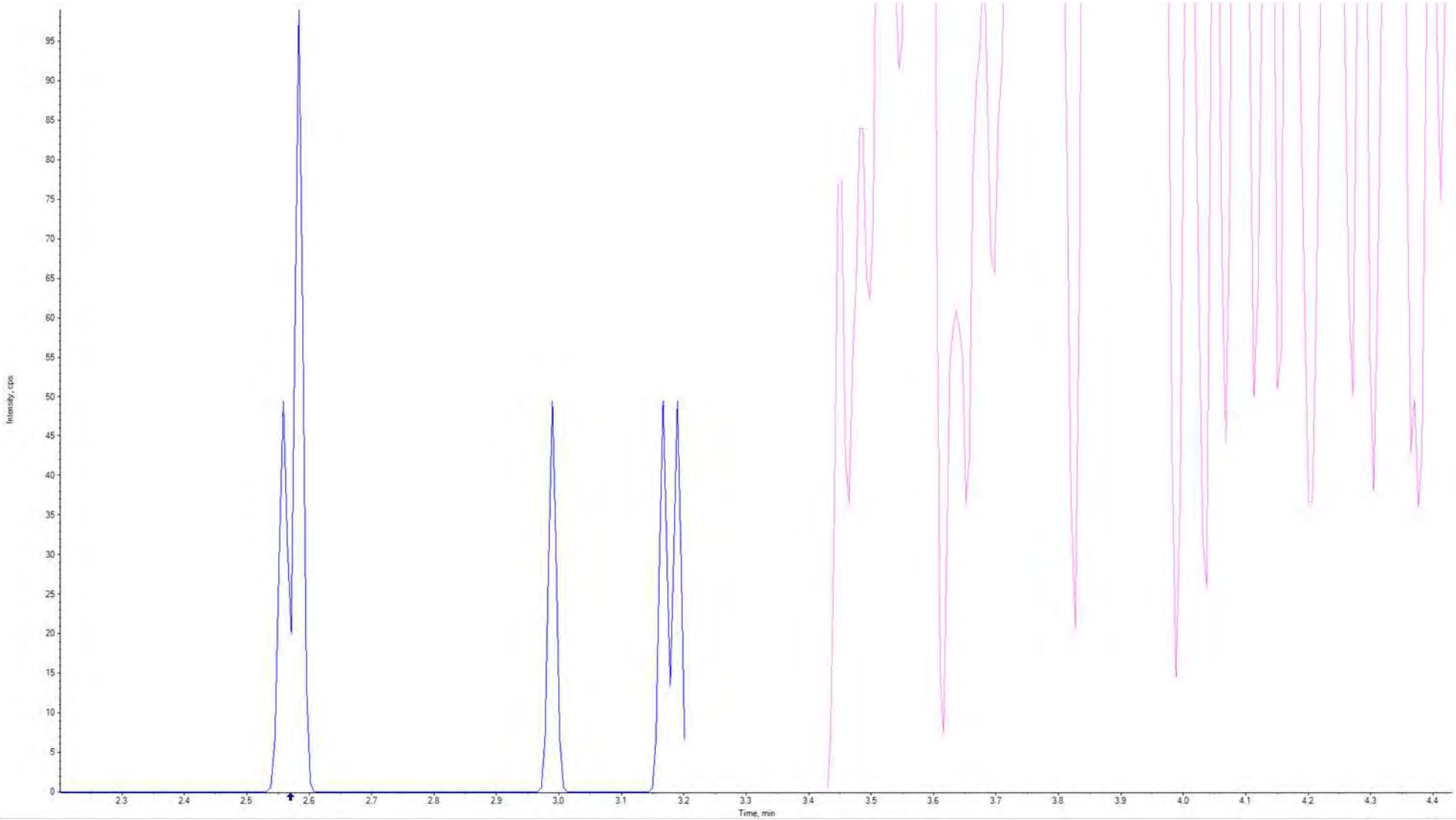


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_18.wiff2_3
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

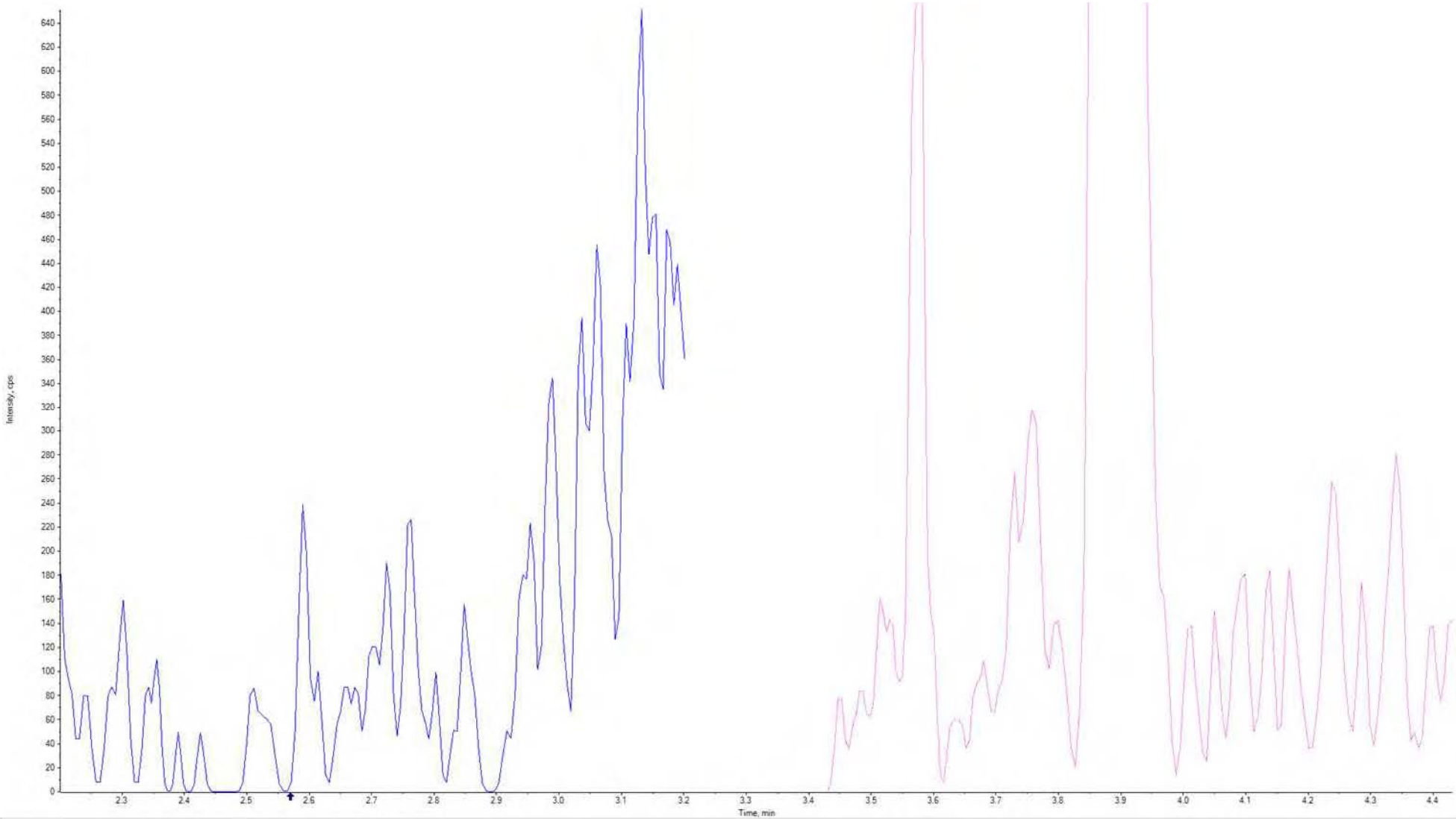
NFDHA_2
Sample: IA1633STD-.5 S/N:985.7 Points Across peak:24



TDCA
Sample: IA1633STD-.5 S/N:N/A Points Across peak:N/A



TDCA_2
Sample: IA1633STD-.5 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/12/2024 3:16:42 PM
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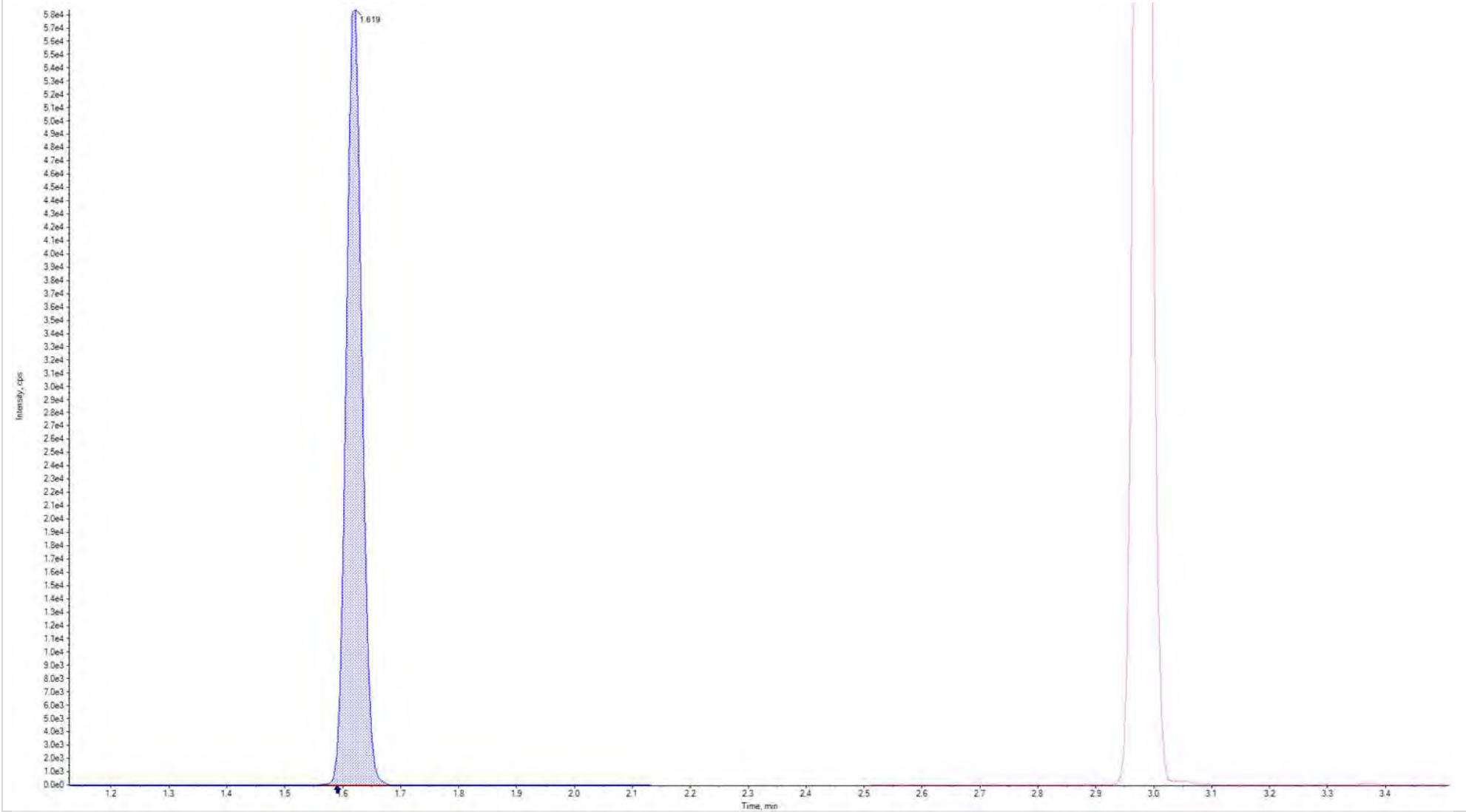
13C2D4-4:2FTS
Sample: IA1633STD-.5 S/N:2194.5 Points Across peak:38



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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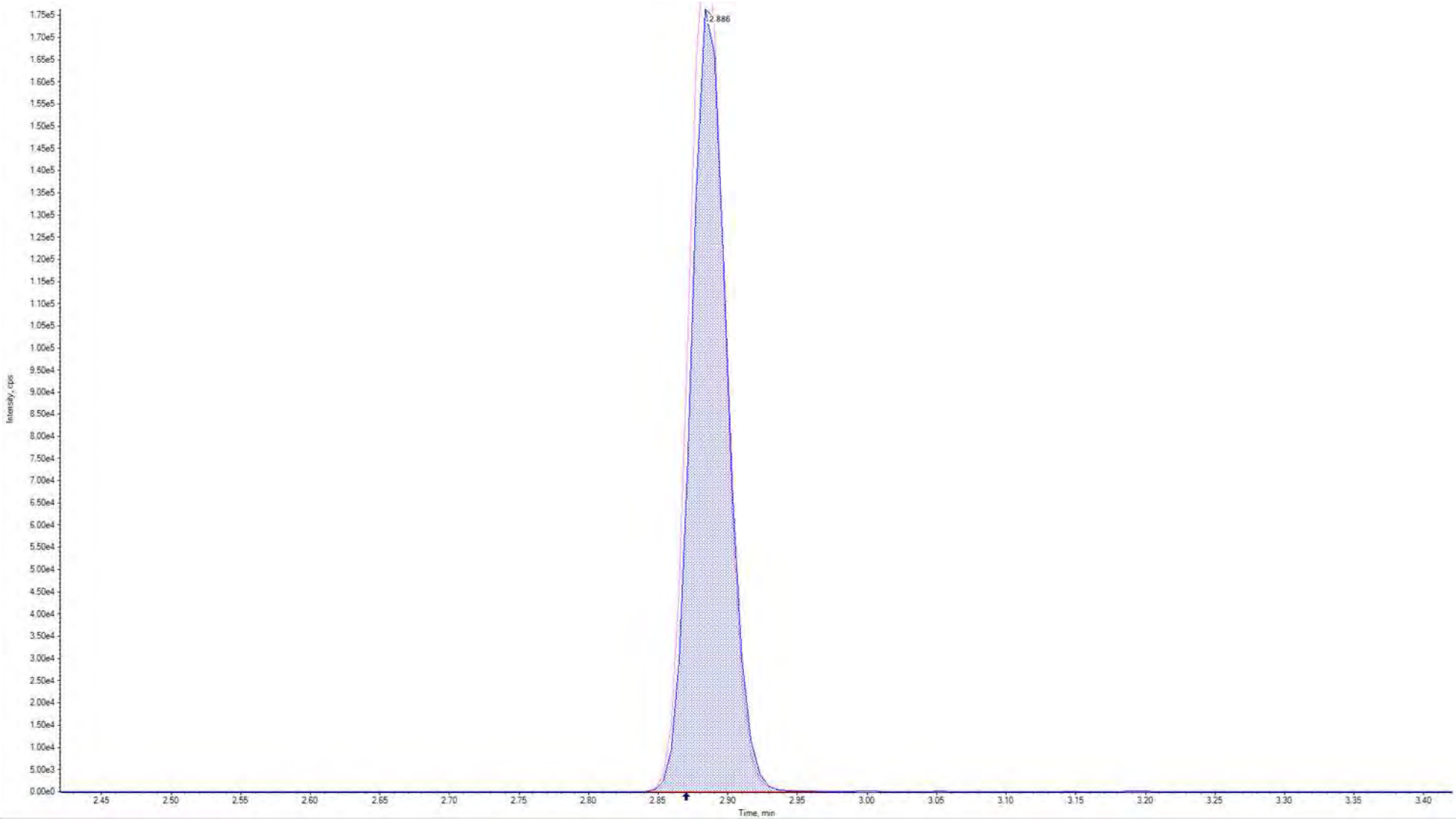
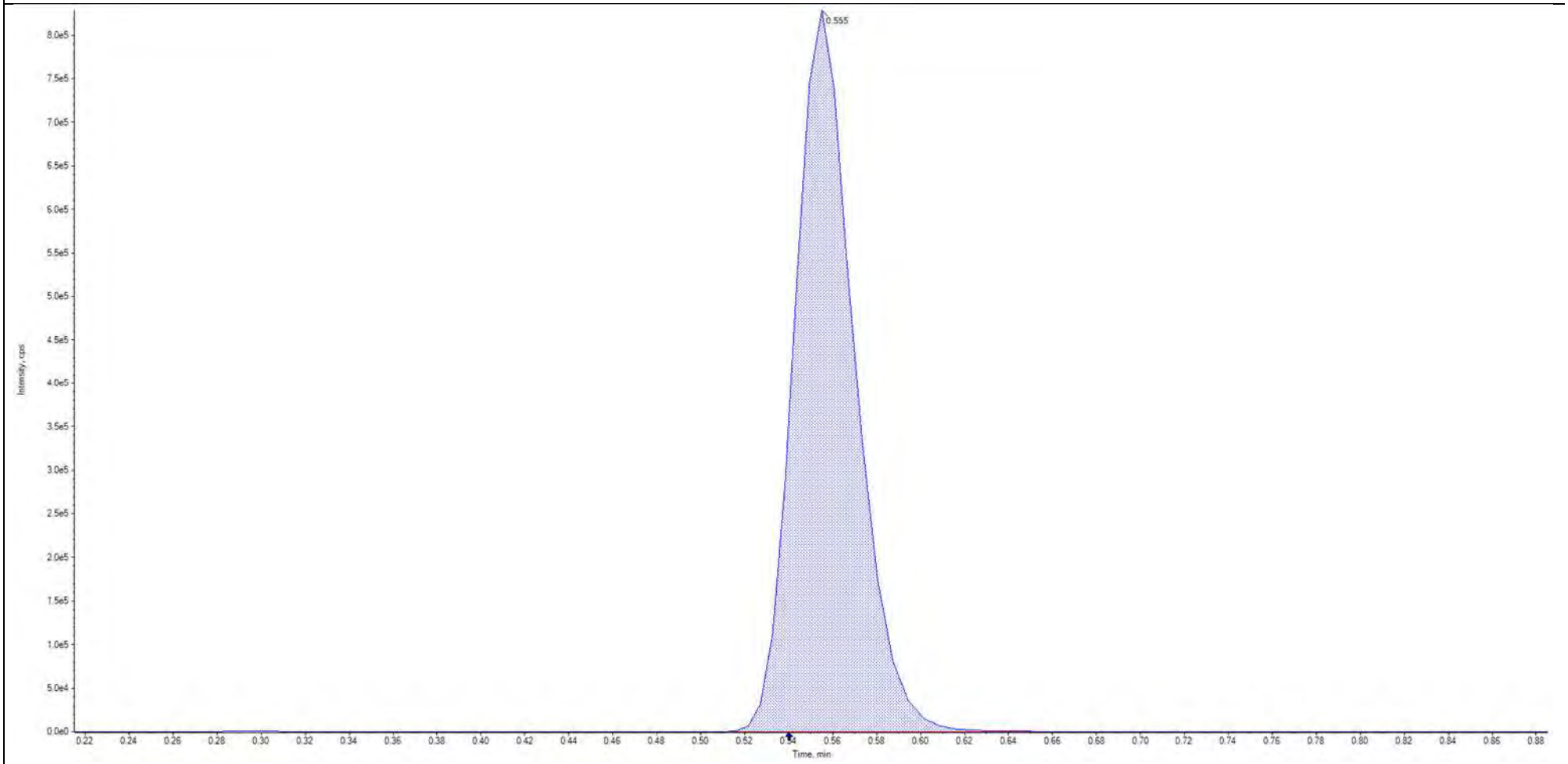
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

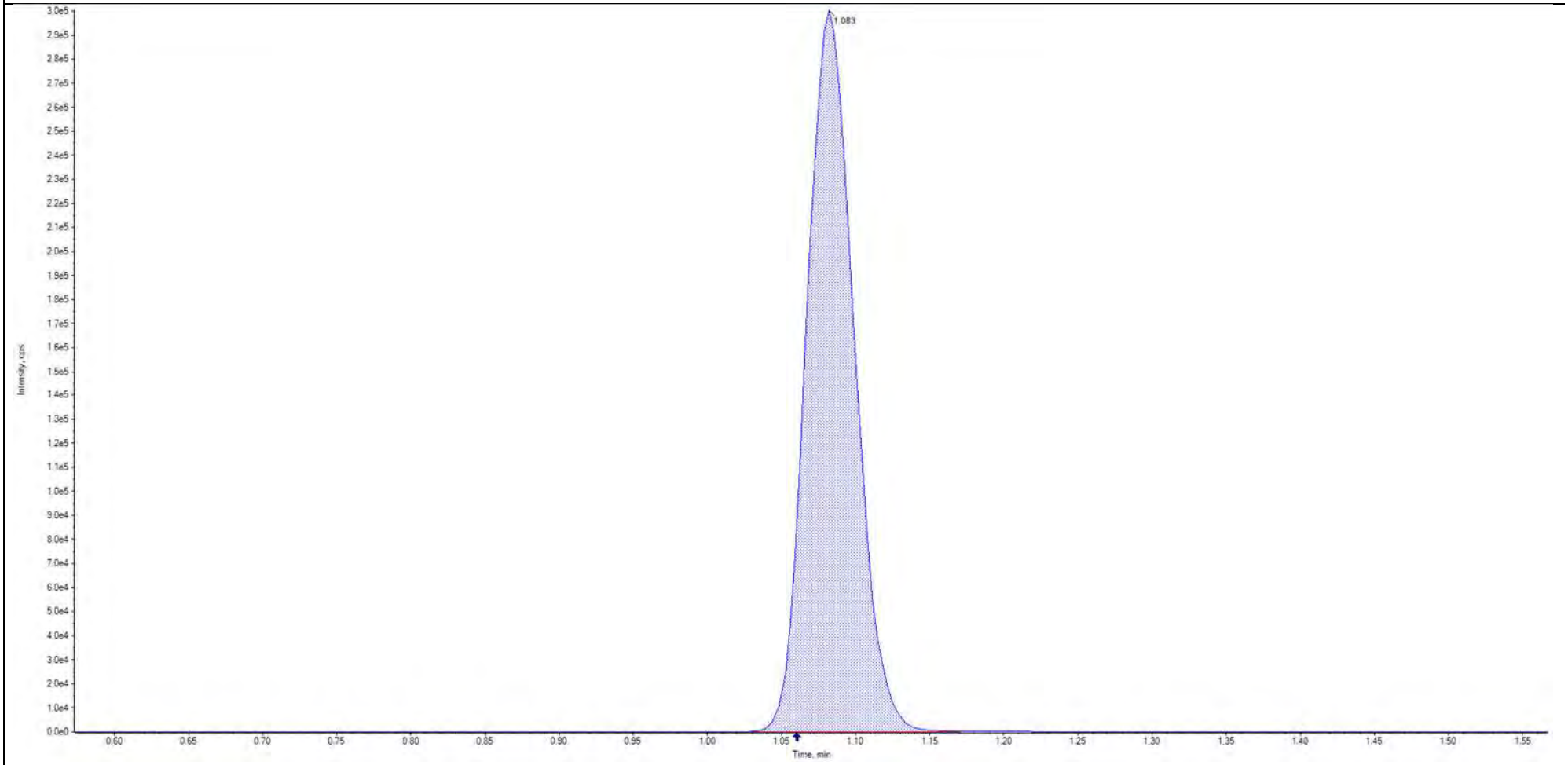
13C2-PFOA
Sample: IA1633STD-.5 S/N:3978.7 Points Across peak:27



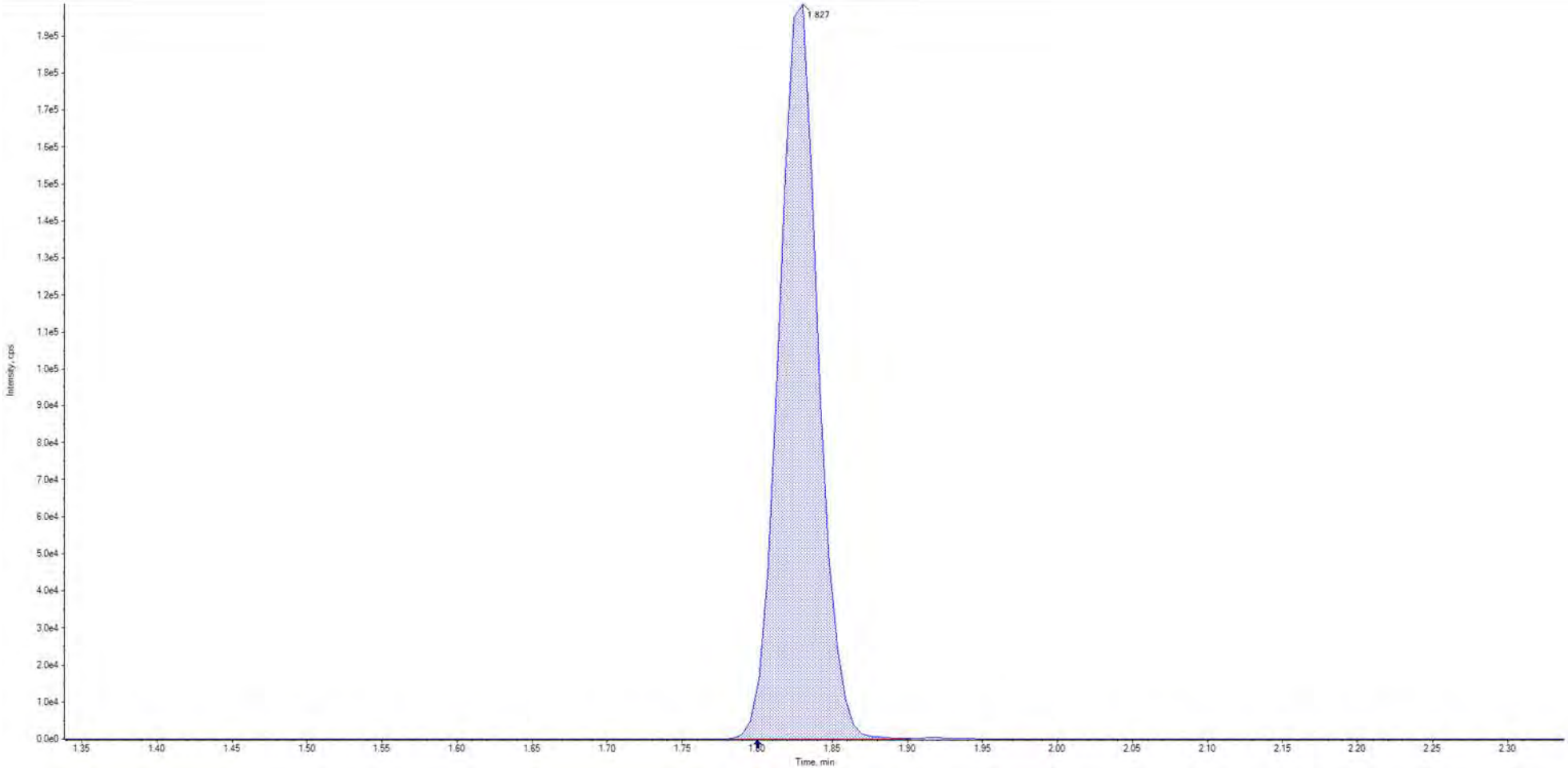
13C4-PFBA
Sample: IA1633STD-.5



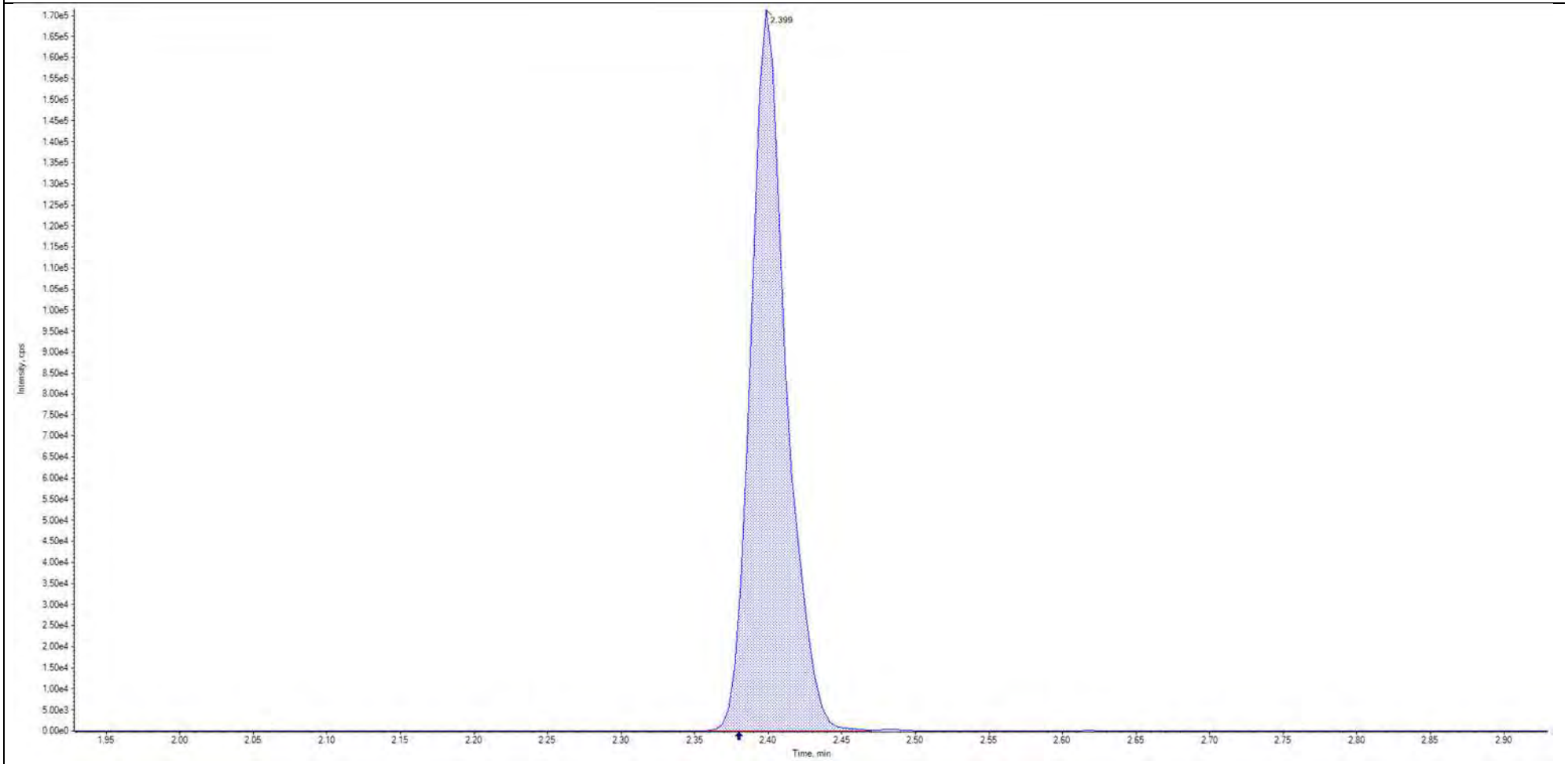
13C5-PFPeA
Sample: IA1633STD-.5



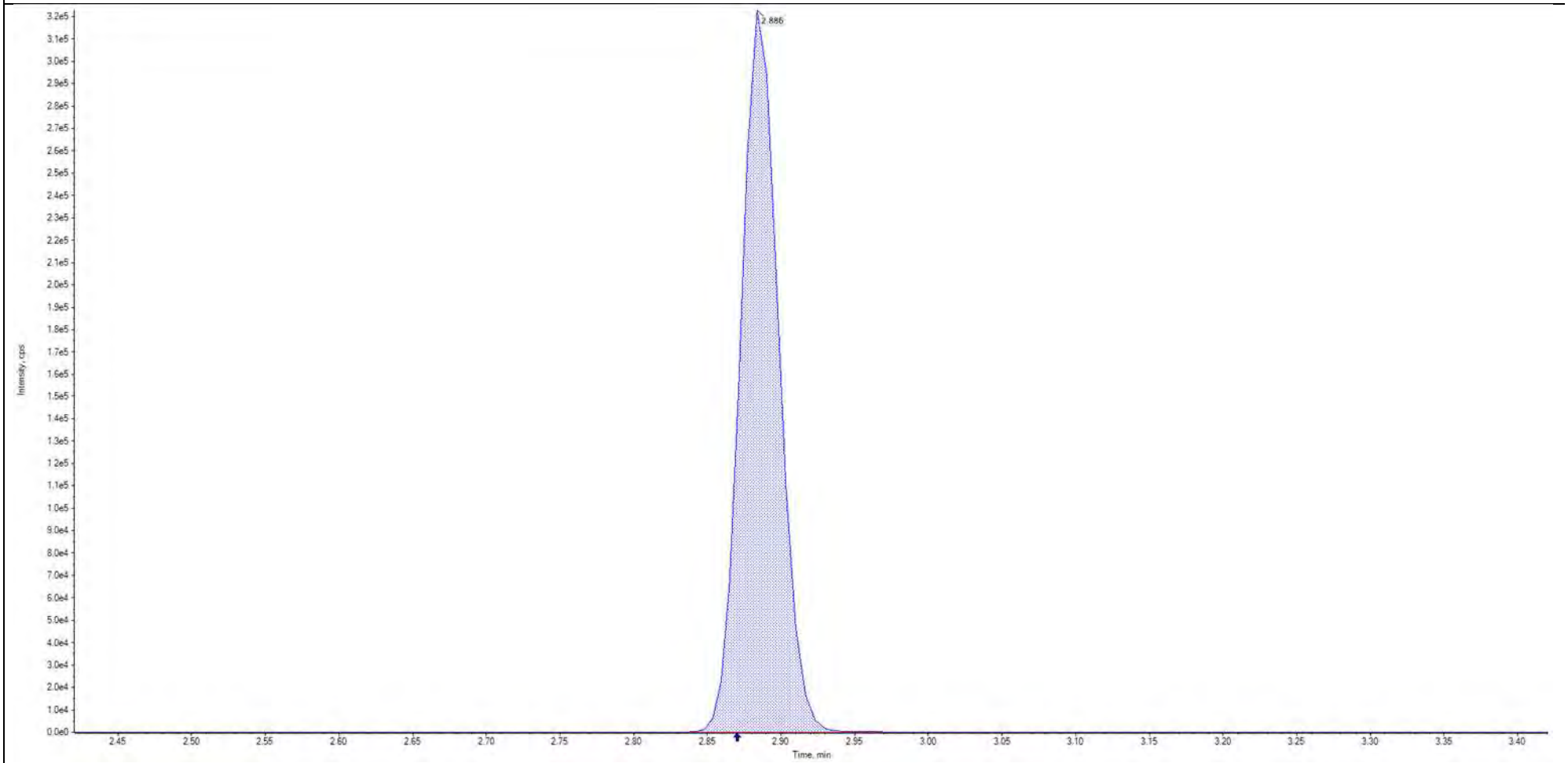
13C5-PFHxA
Sample: IA1633STD-.5



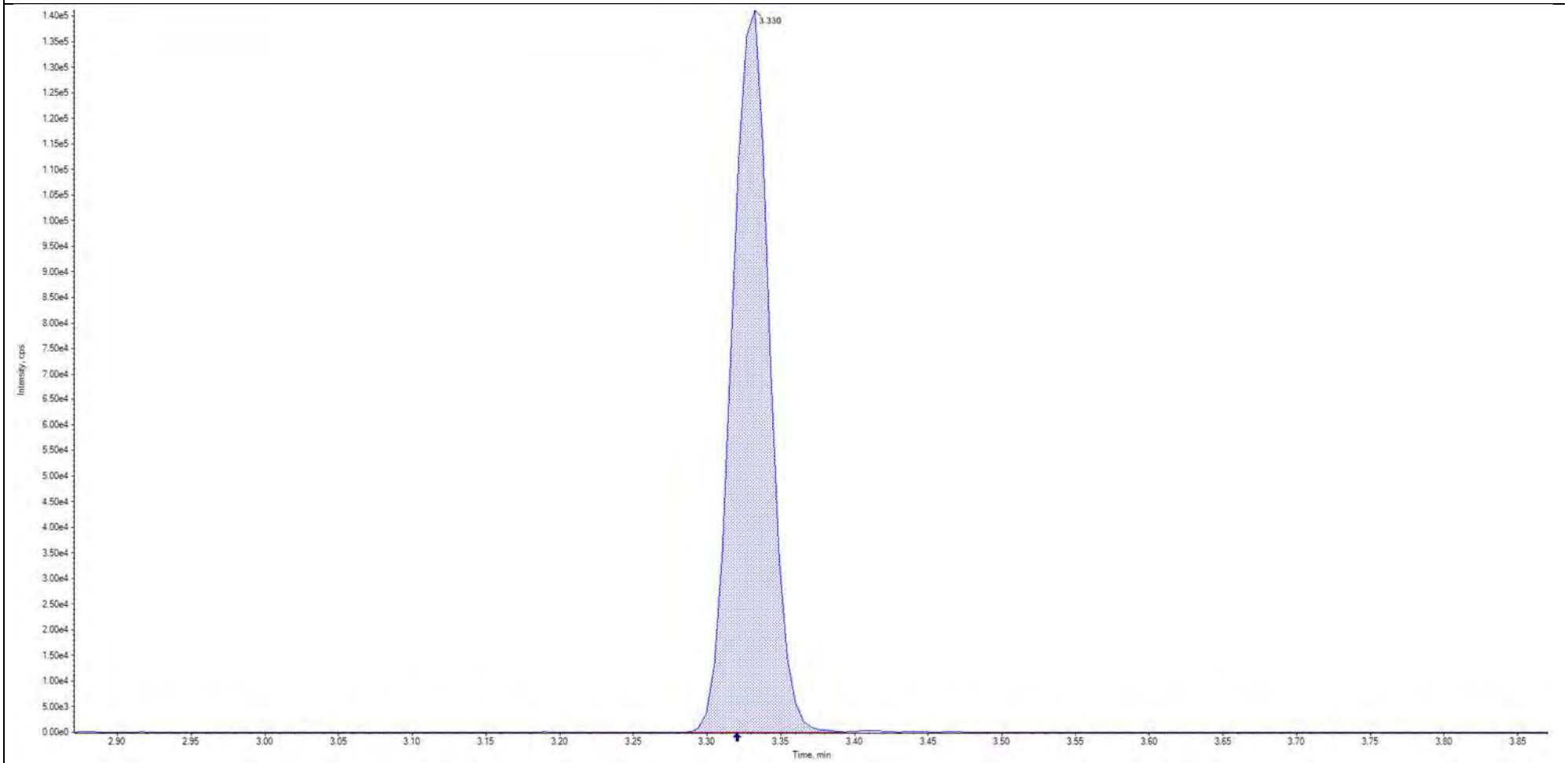
13C4-PFHpA
Sample: IA1633STD-.5



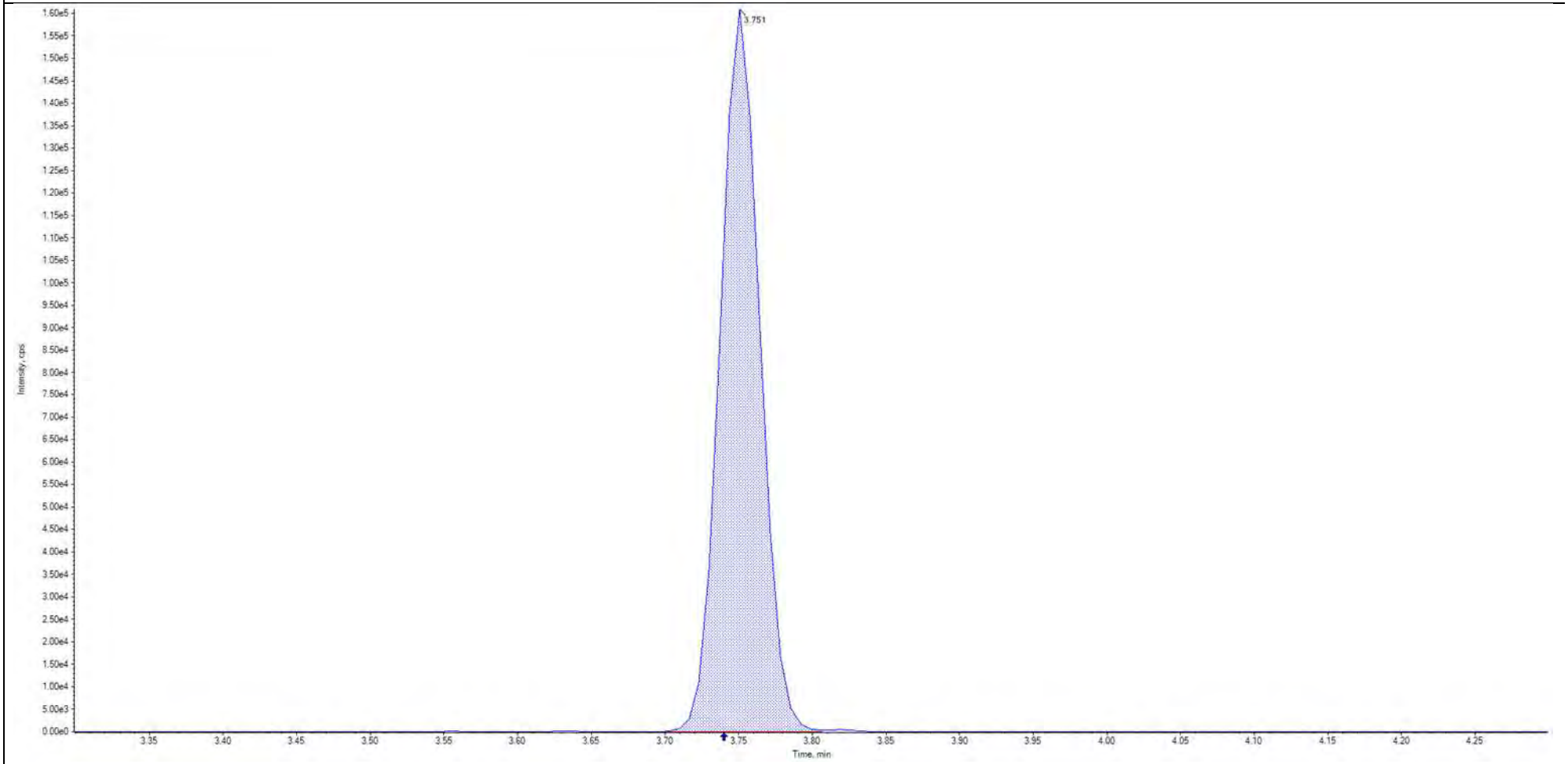
13C8-PFOA
Sample: IA1633STD-.5



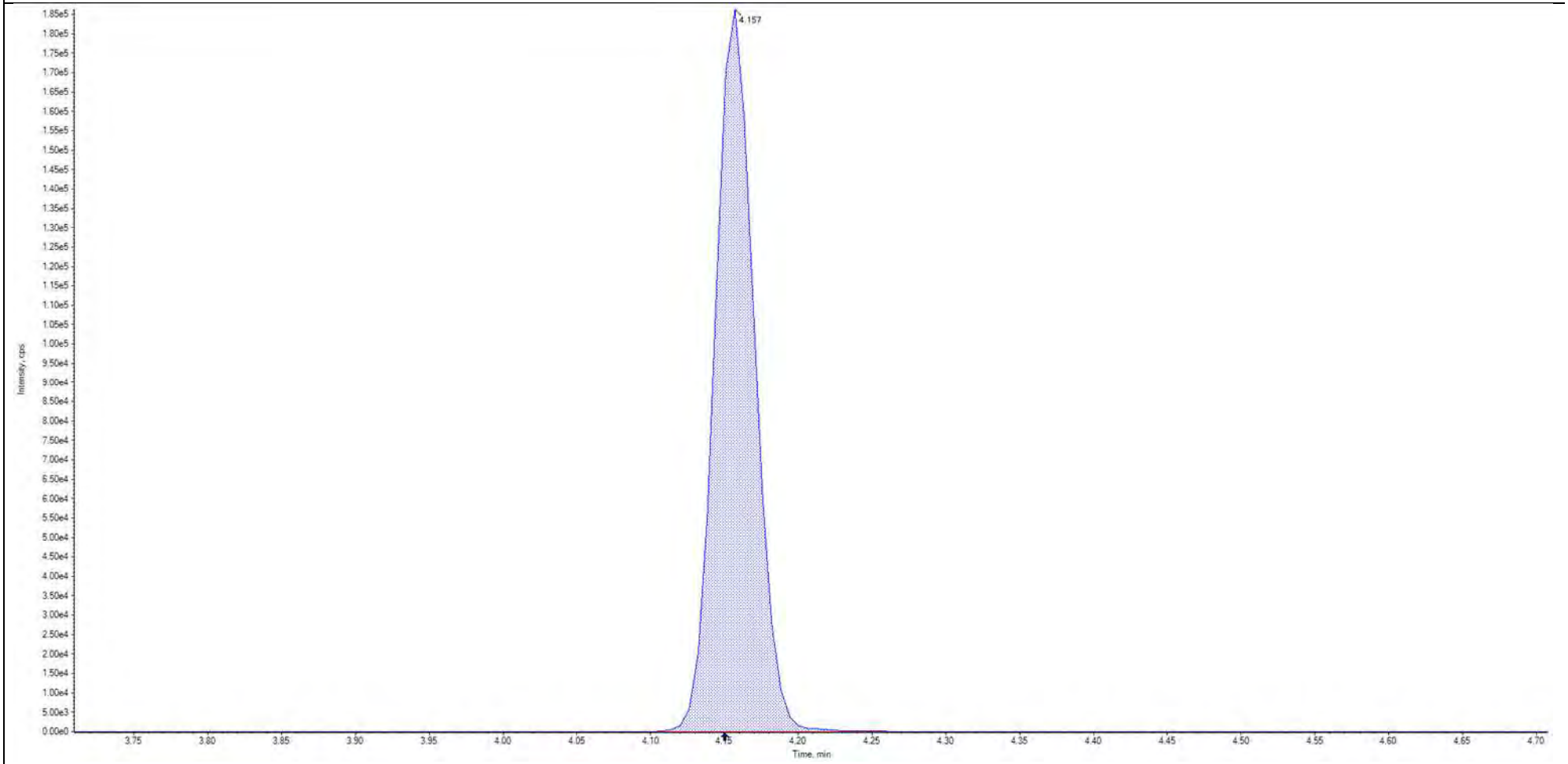
13C9-PFNA
Sample: IA1633STD-.5



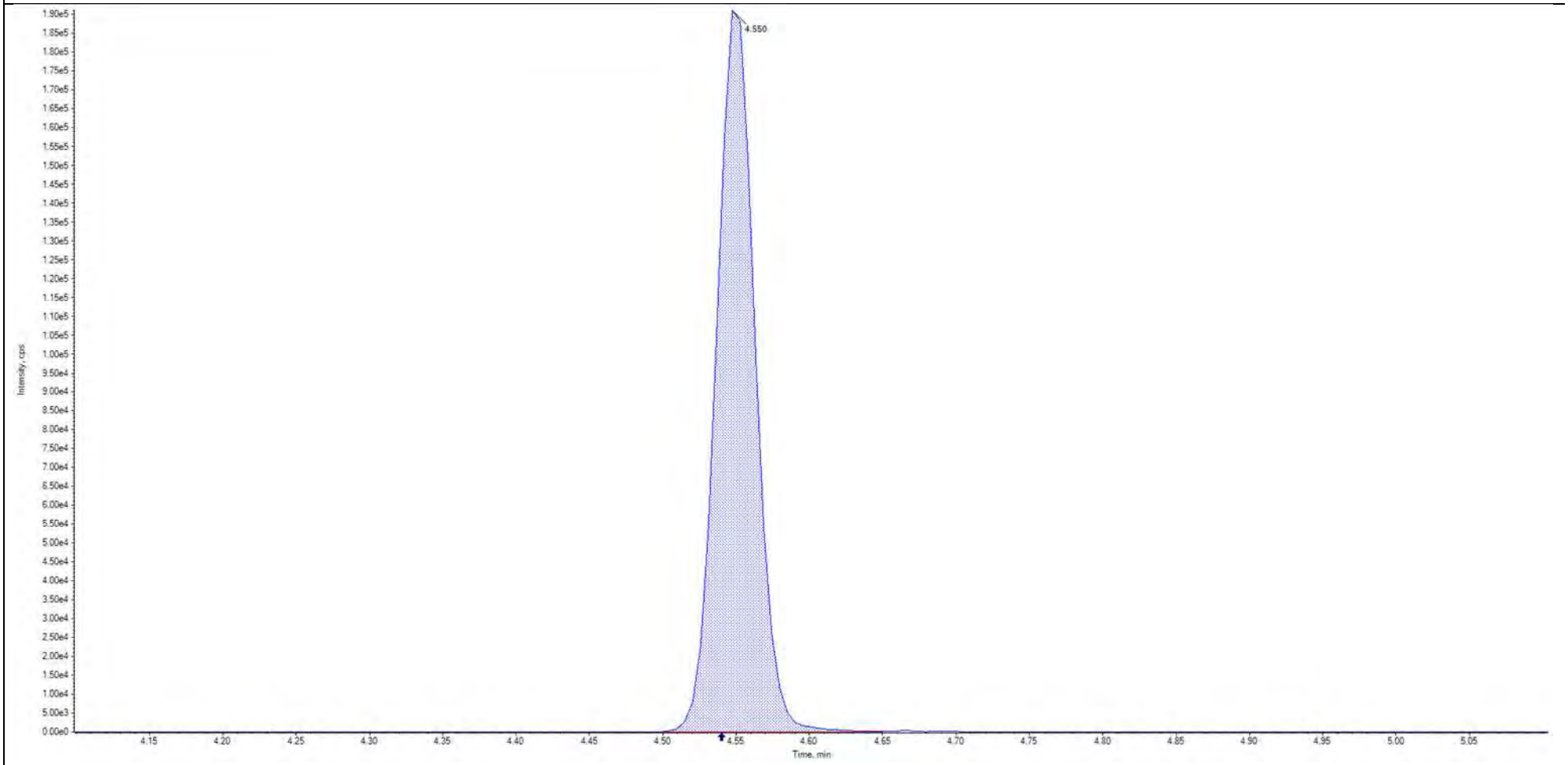
13C6-PFDA
Sample: IA1633STD-.5



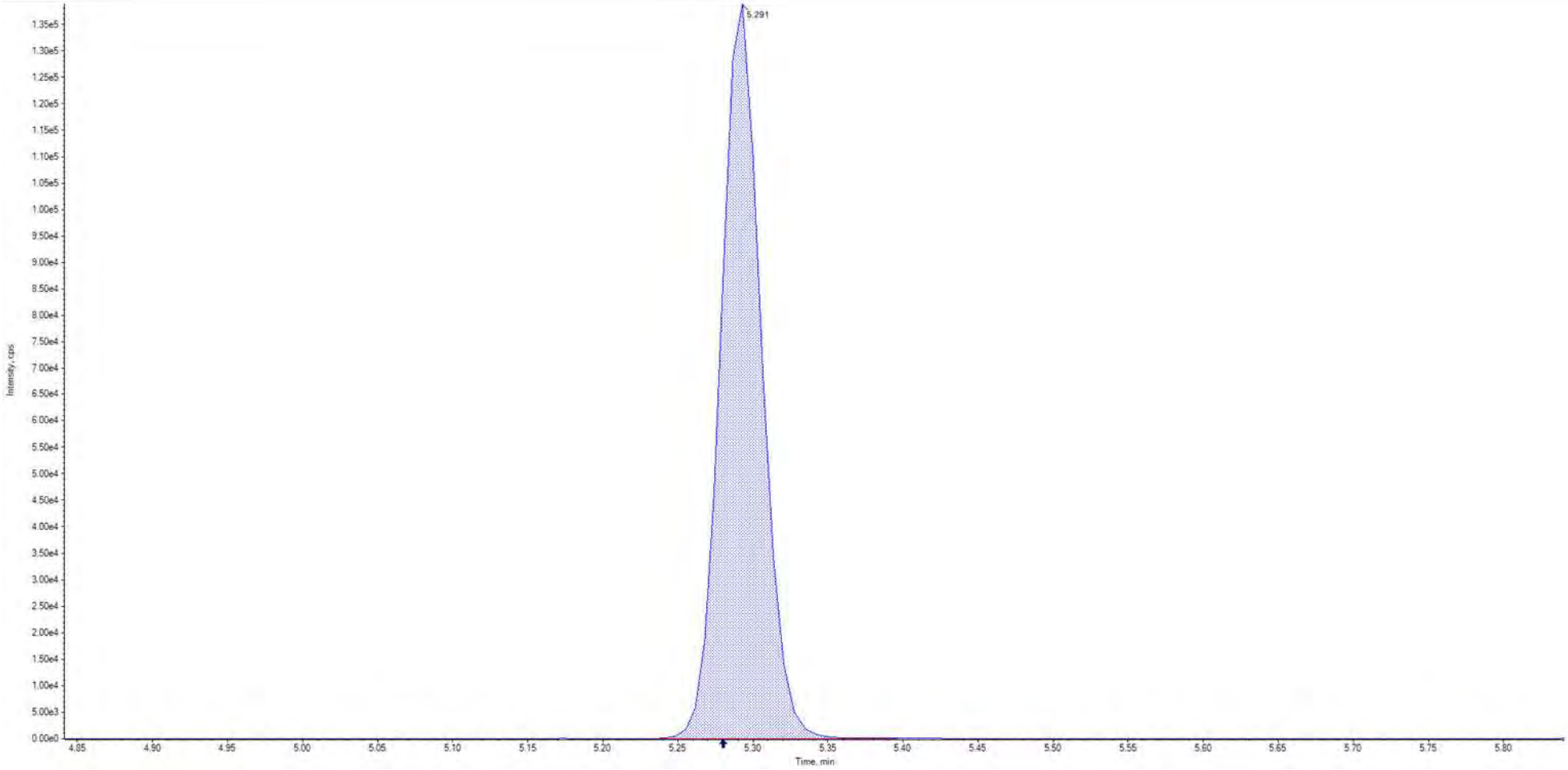
13C7-PFUnA
Sample: IA1633STD-.5



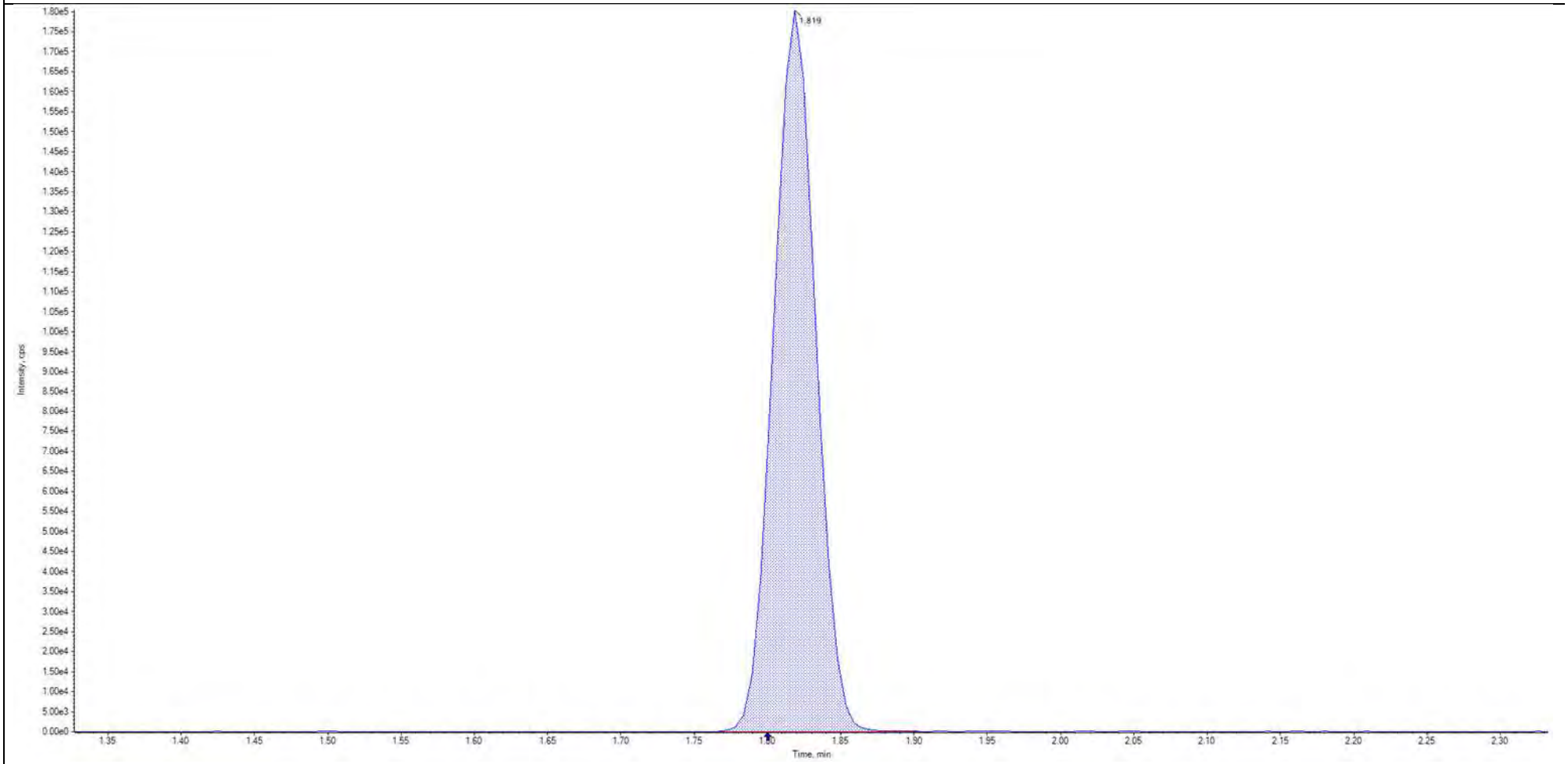
13C2-PFDoA
Sample: IA1633STD-.5



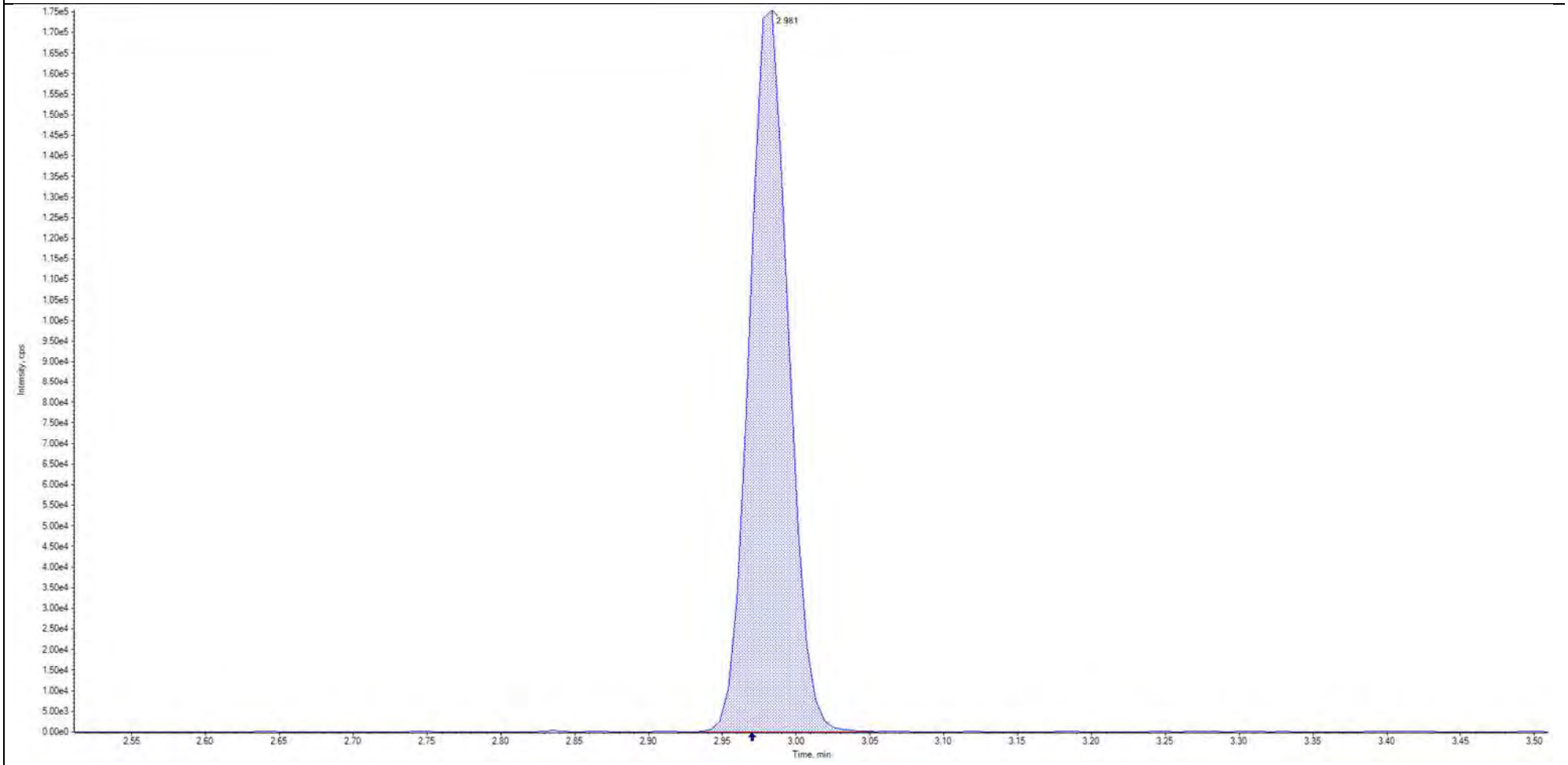
13C2-PFTeDA
Sample: IA1633STD-.5



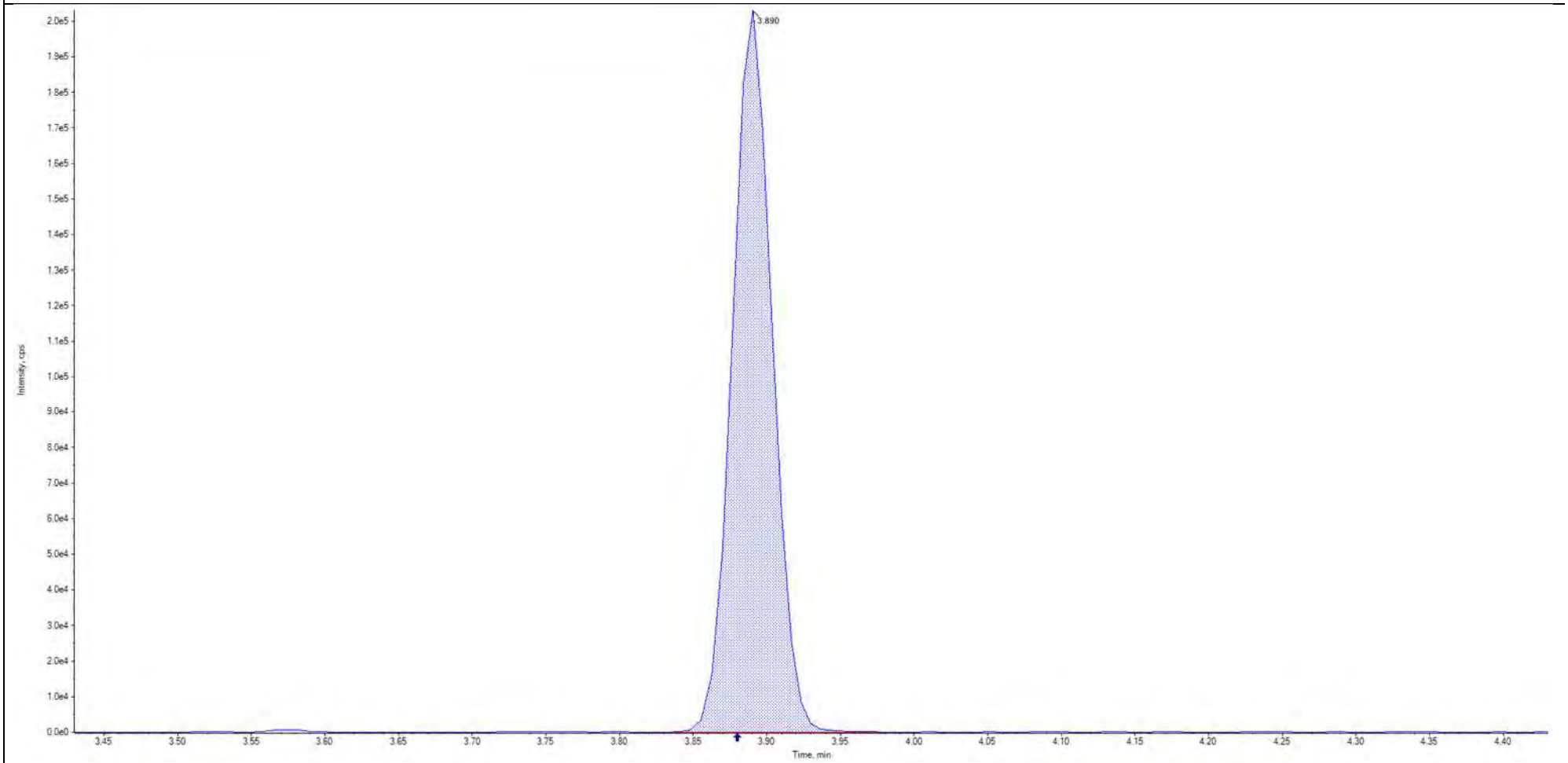
13C3-PFBS
Sample: IA1633STD-.5



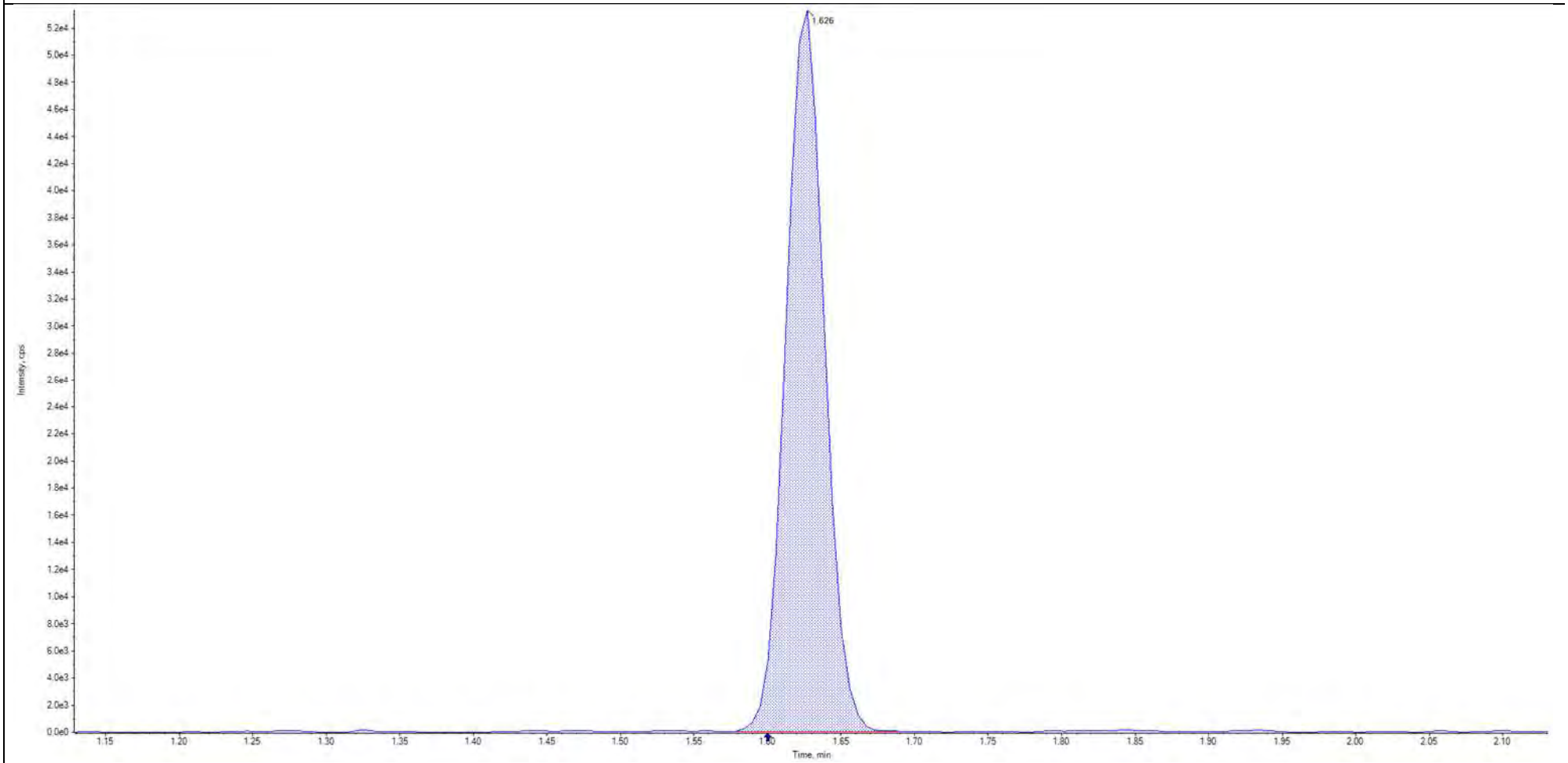
13C3-PFHxS
Sample: IA1633STD-.5



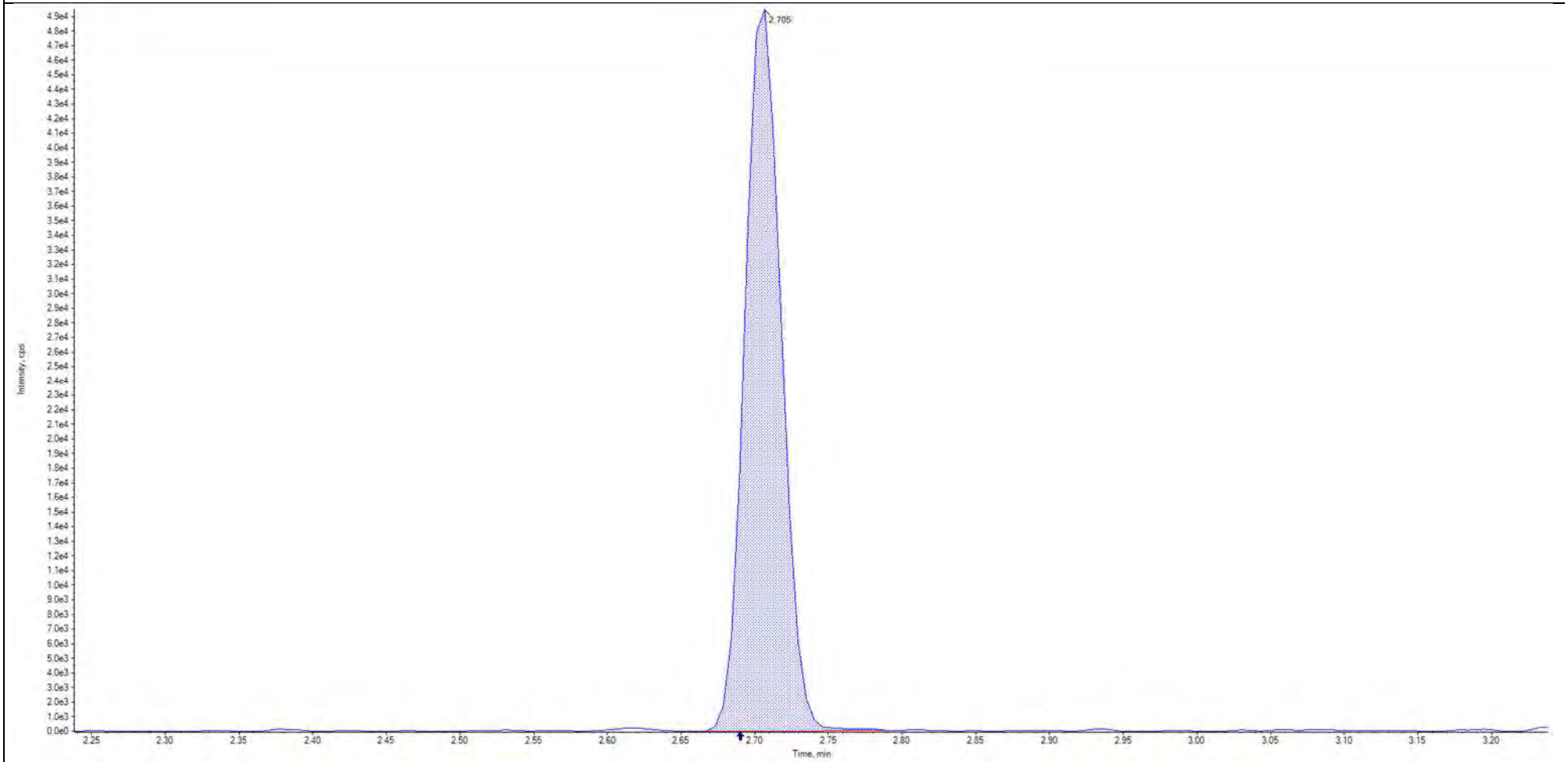
13C8-PFOS
Sample: IA1633STD-.5



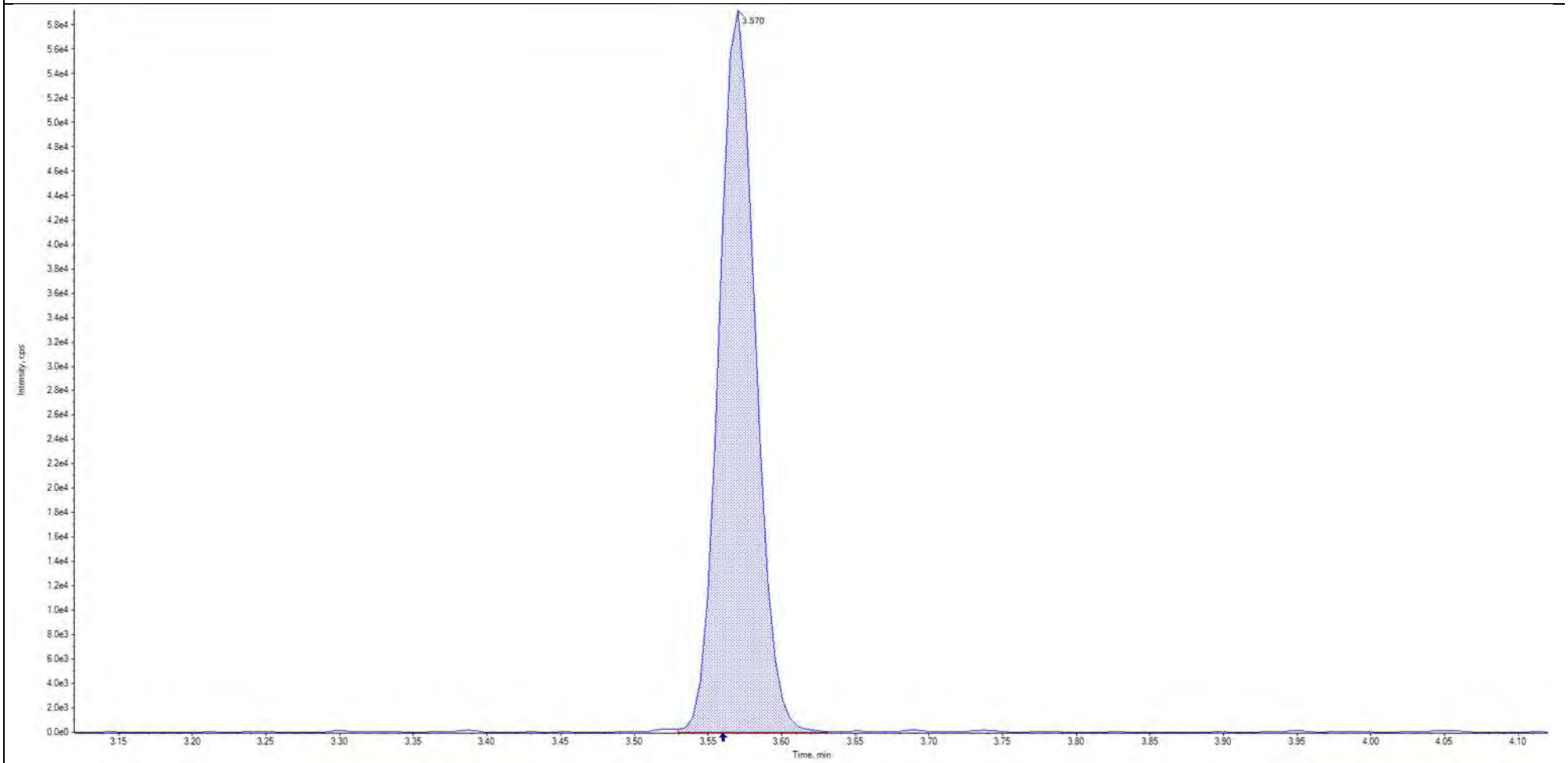
13C2-4:2FTS
Sample: IA1633STD-.5



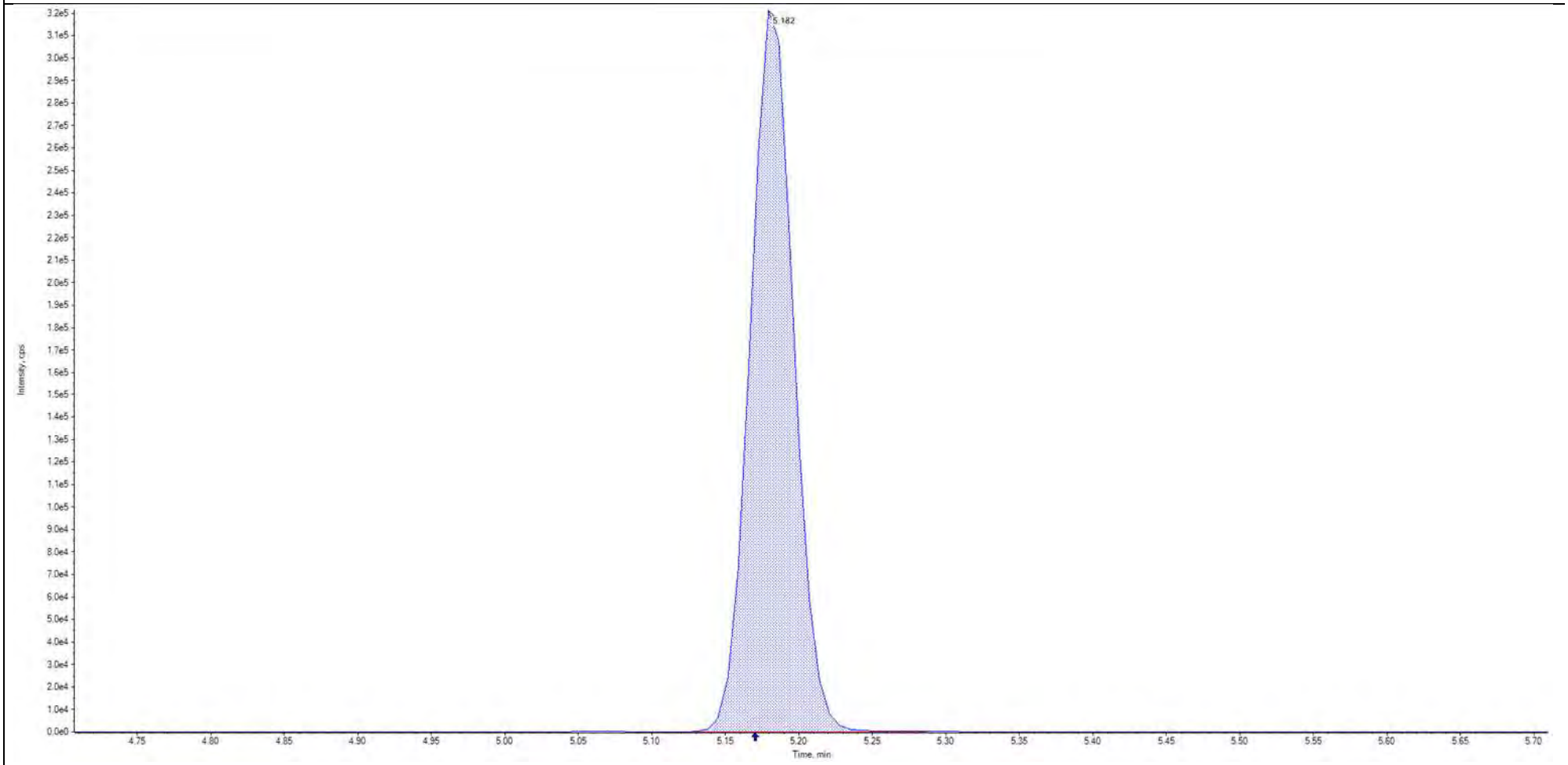
13C2-6:2FTS
Sample: IA1633STD-.5



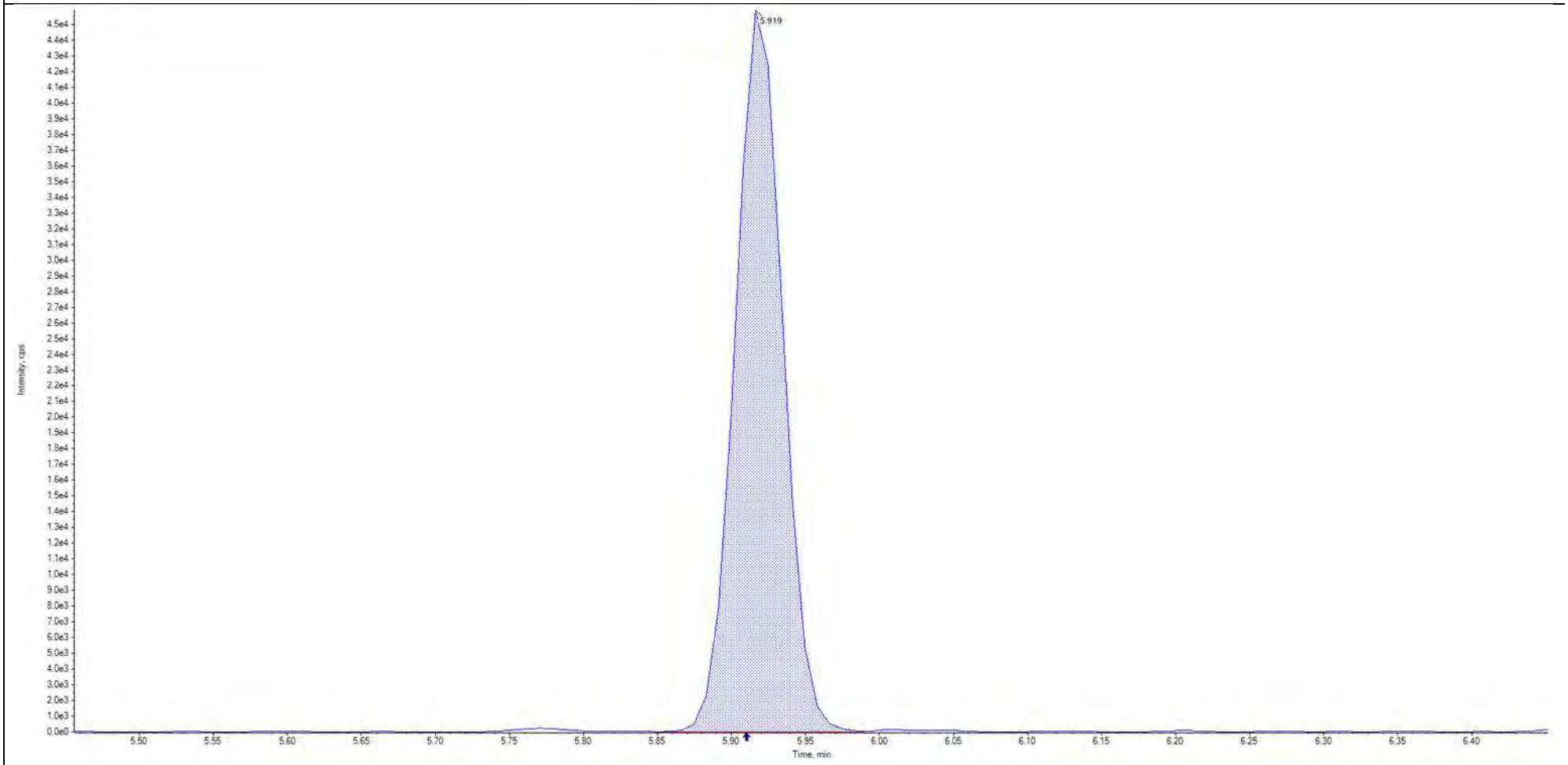
13C2-8:2FTS
Sample: IA1633STD-.5



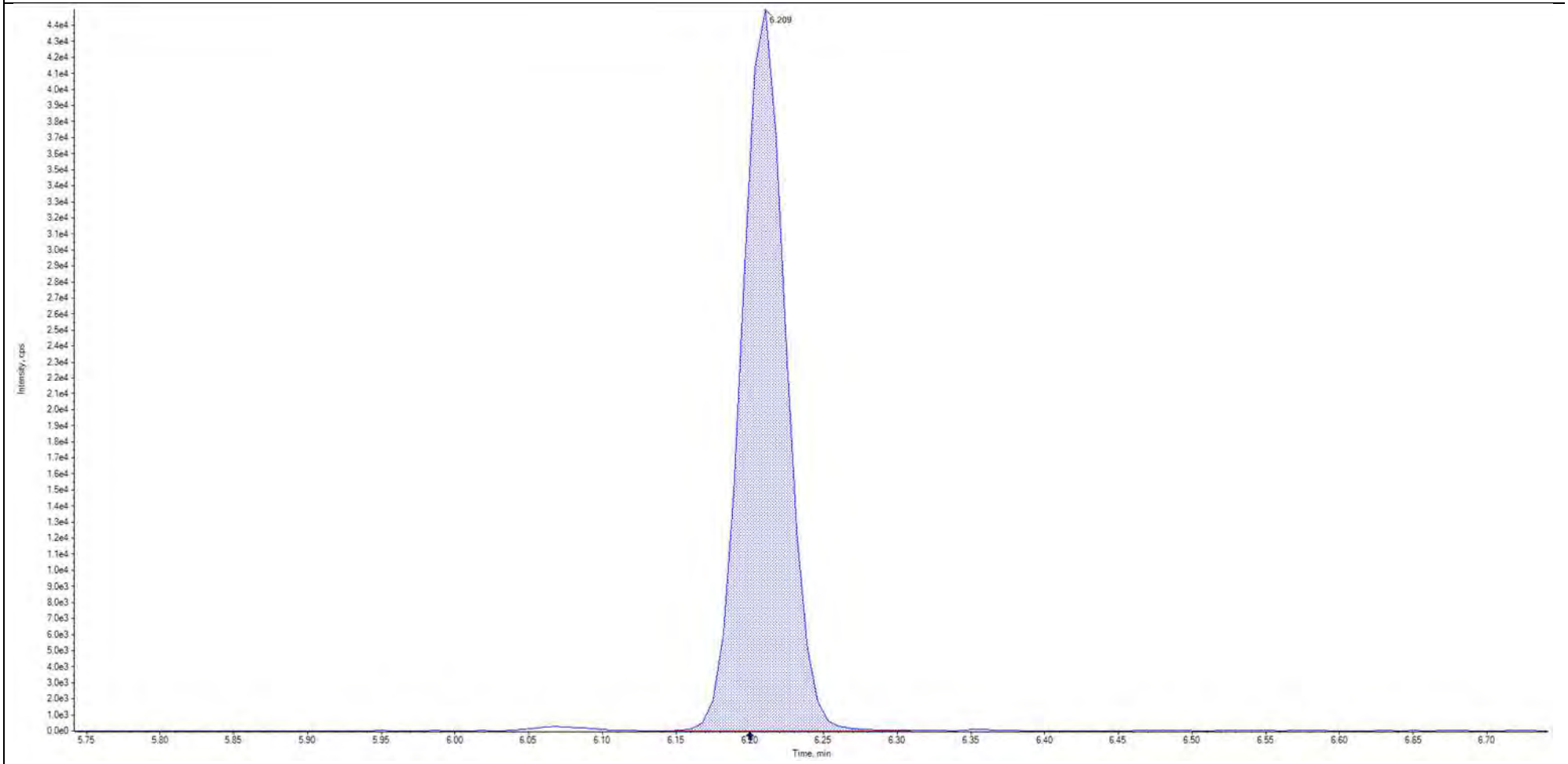
13C8-PFOSA
Sample: IA1633STD-.5



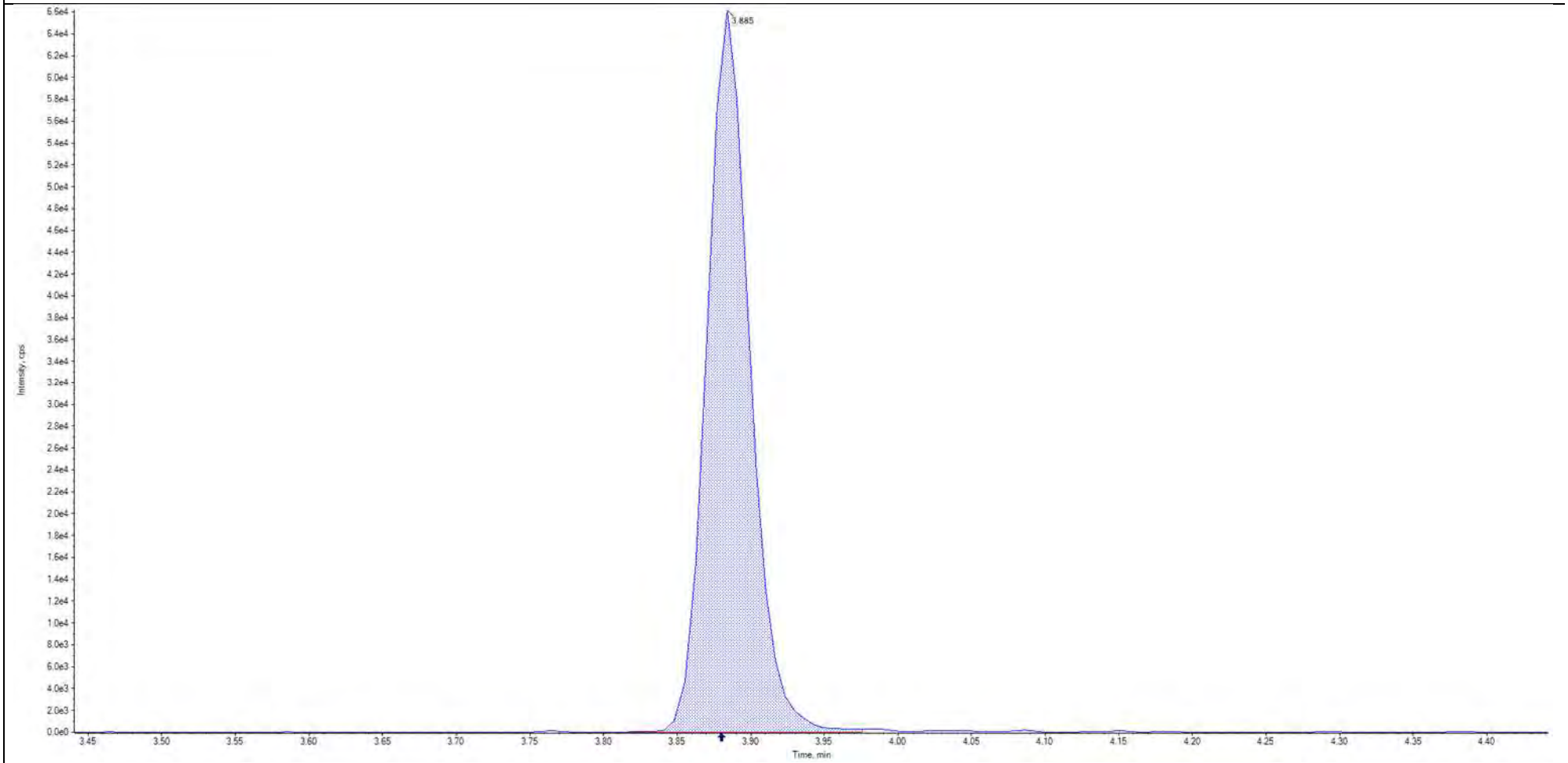
d3-NMeFOSA
Sample: IA1633STD-.5



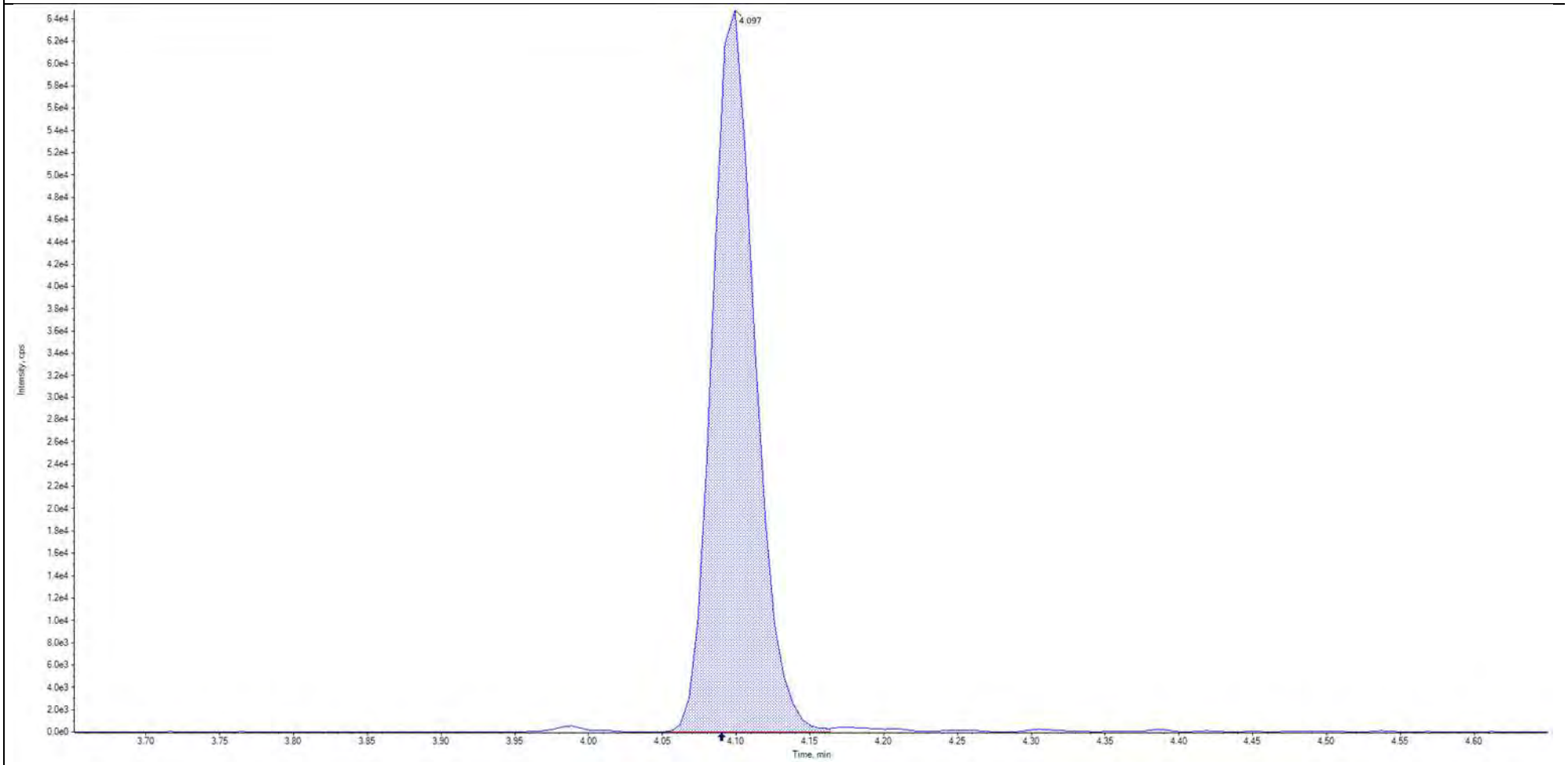
d5-NEtFOSA
Sample: IA1633STD-.5



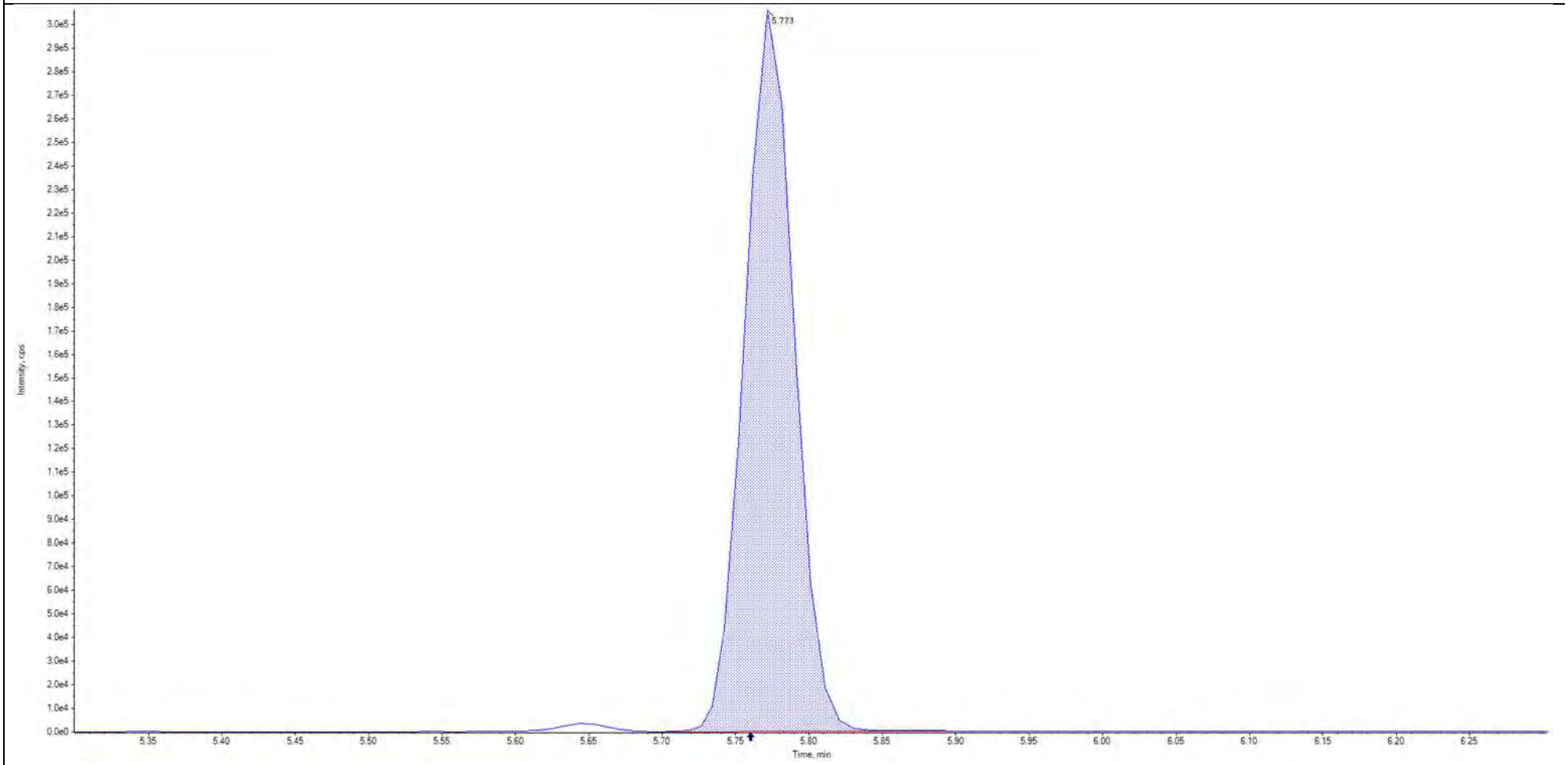
d3-NMeFOSAA
Sample: IA1633STD-.5



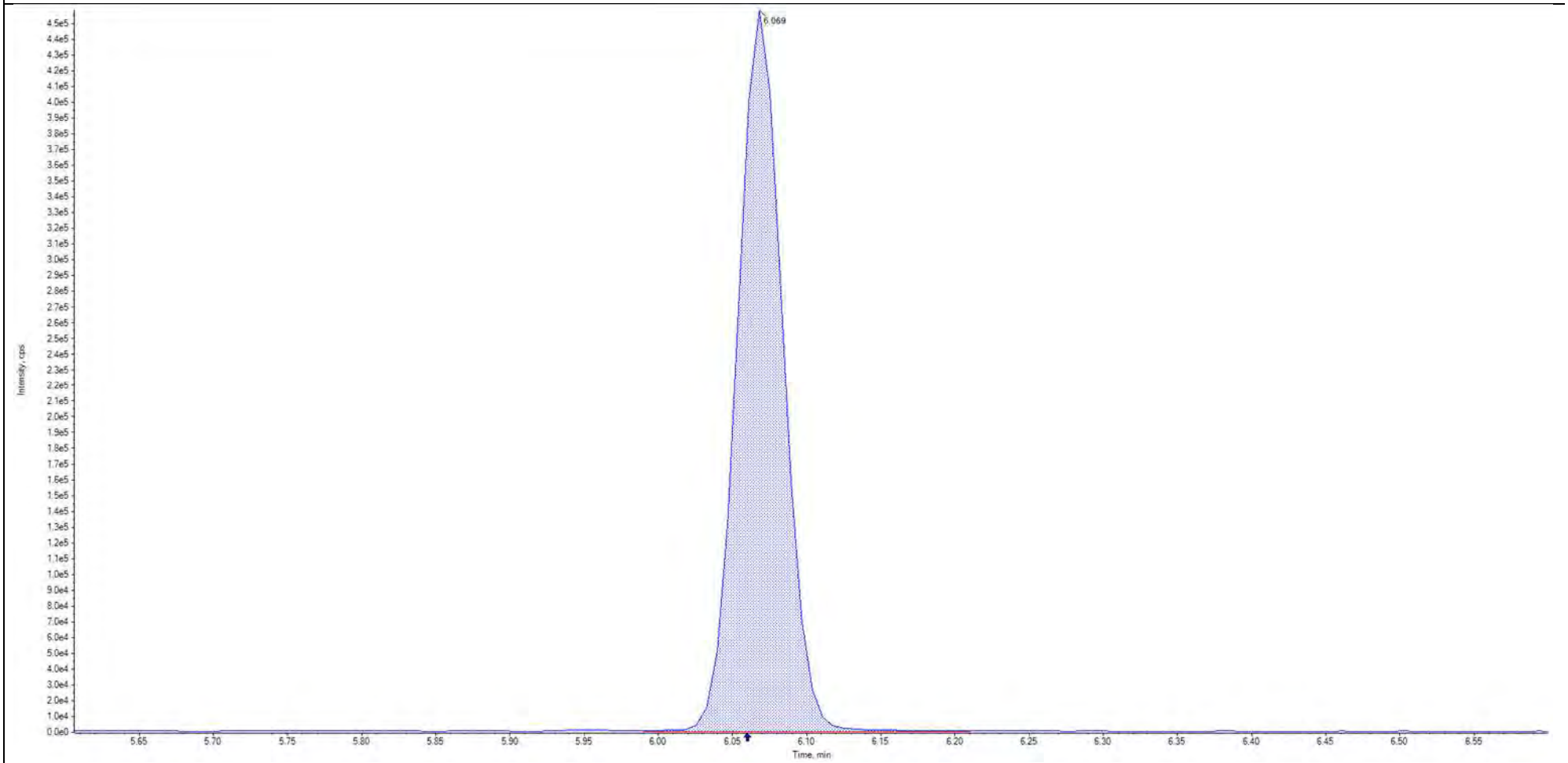
d5-NEtFOSAA
Sample: IA1633STD-.5



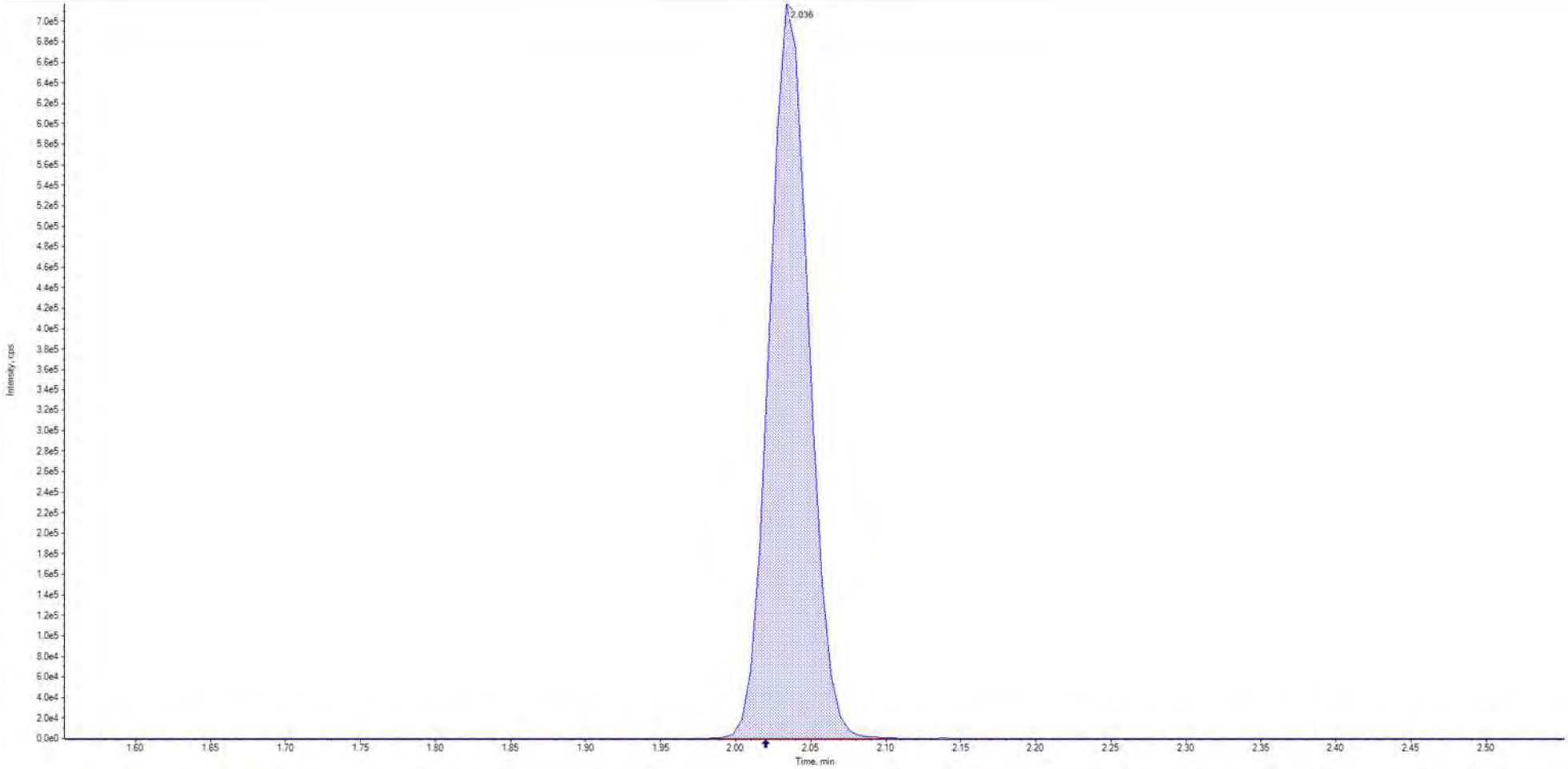
d7-NMeFOSE
Sample: IA1633STD-.5



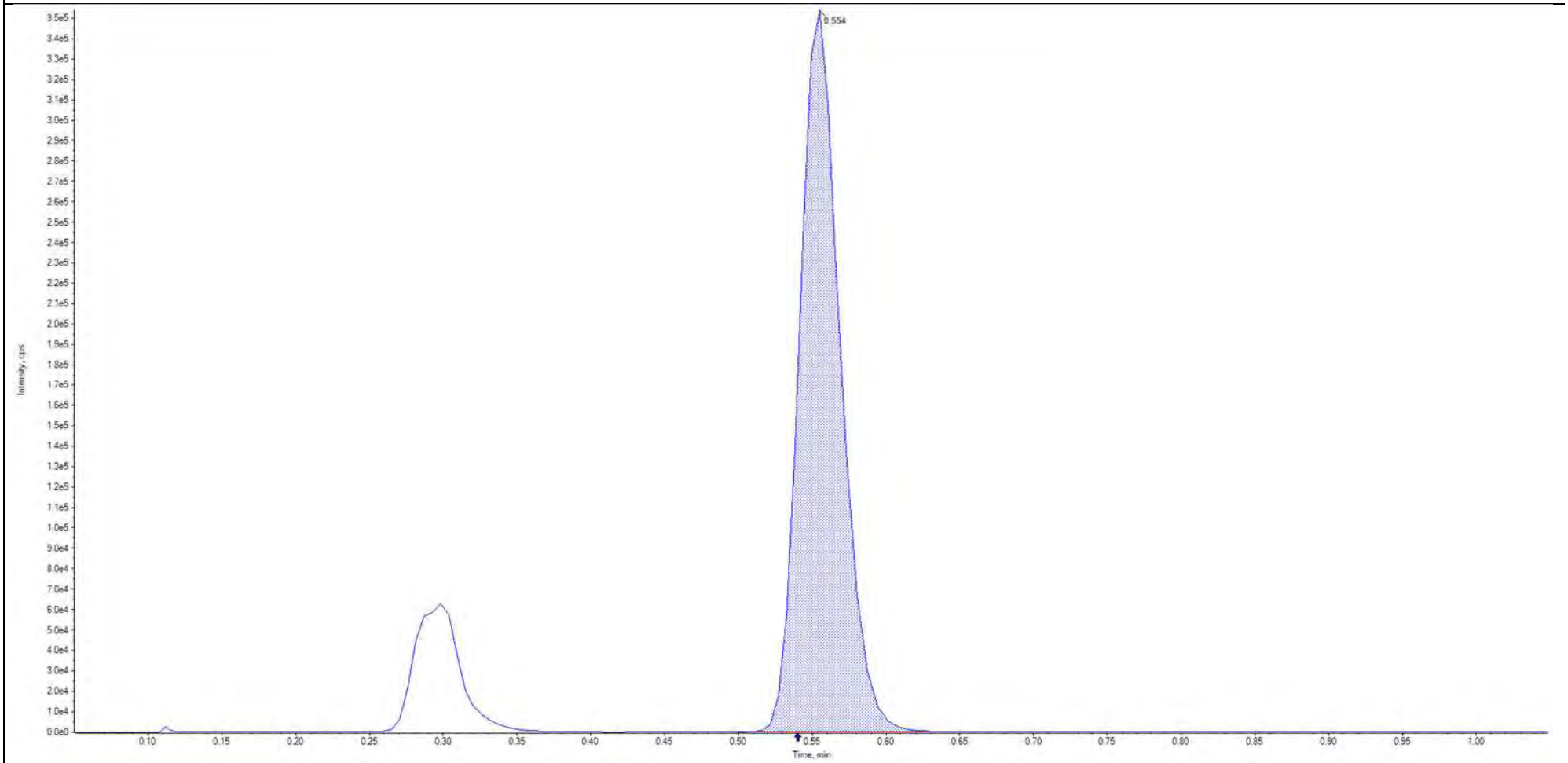
d9-NEtFOSE
Sample: IA1633STD-.5



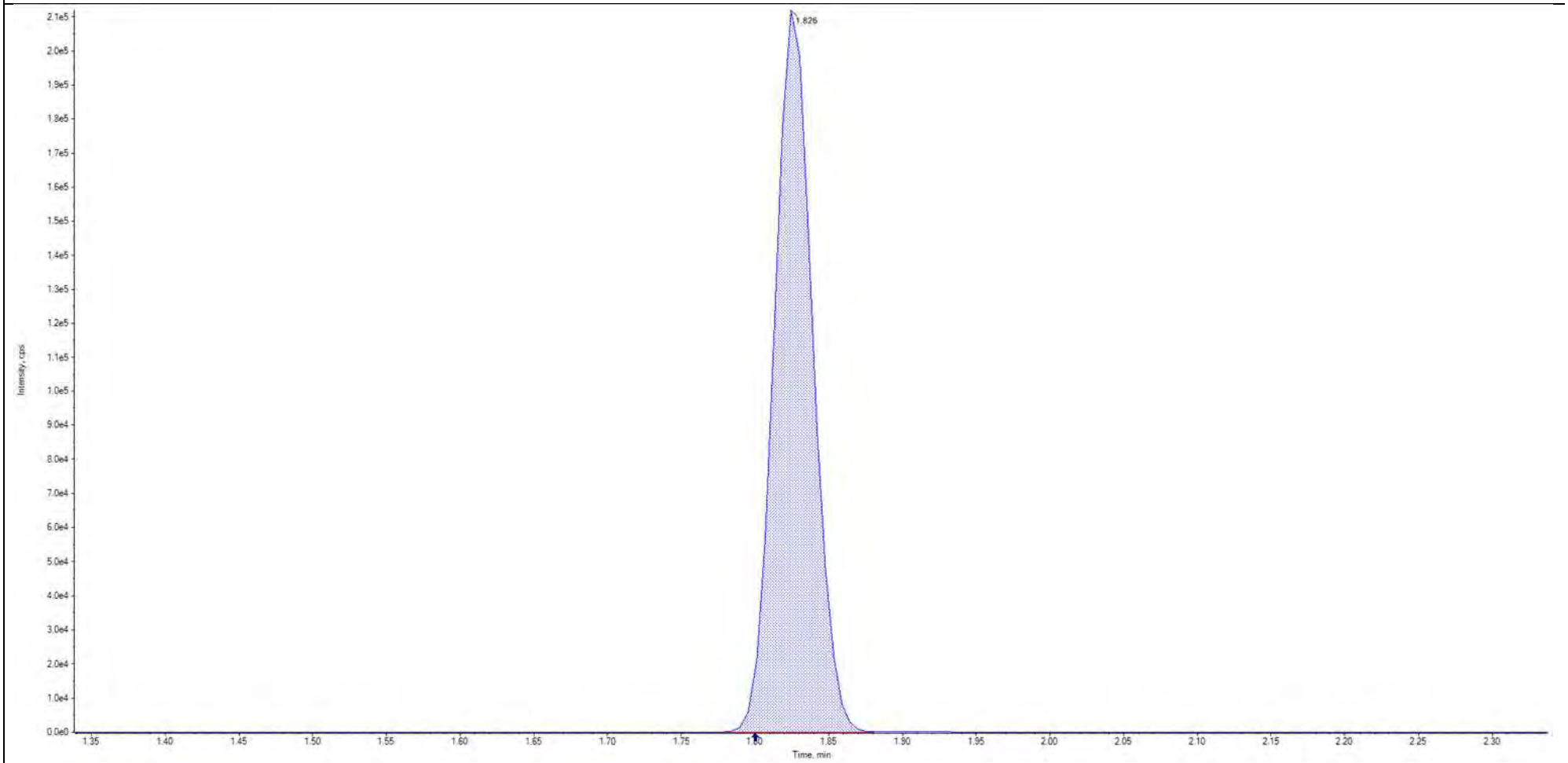
13C3-HFPO-DA
Sample: IA1633STD-.5



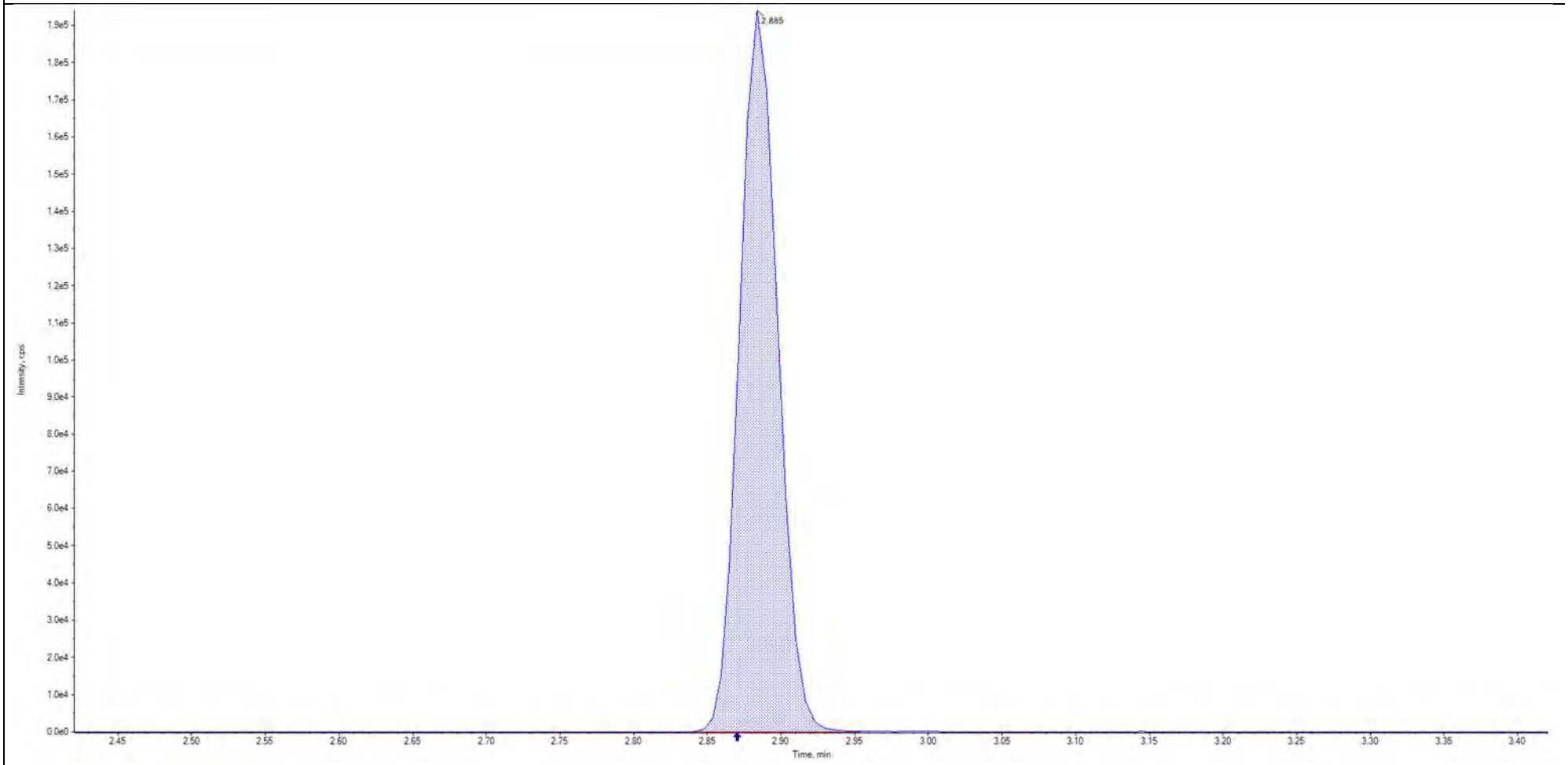
13C3-PFBA
Sample: IA1633STD-.5



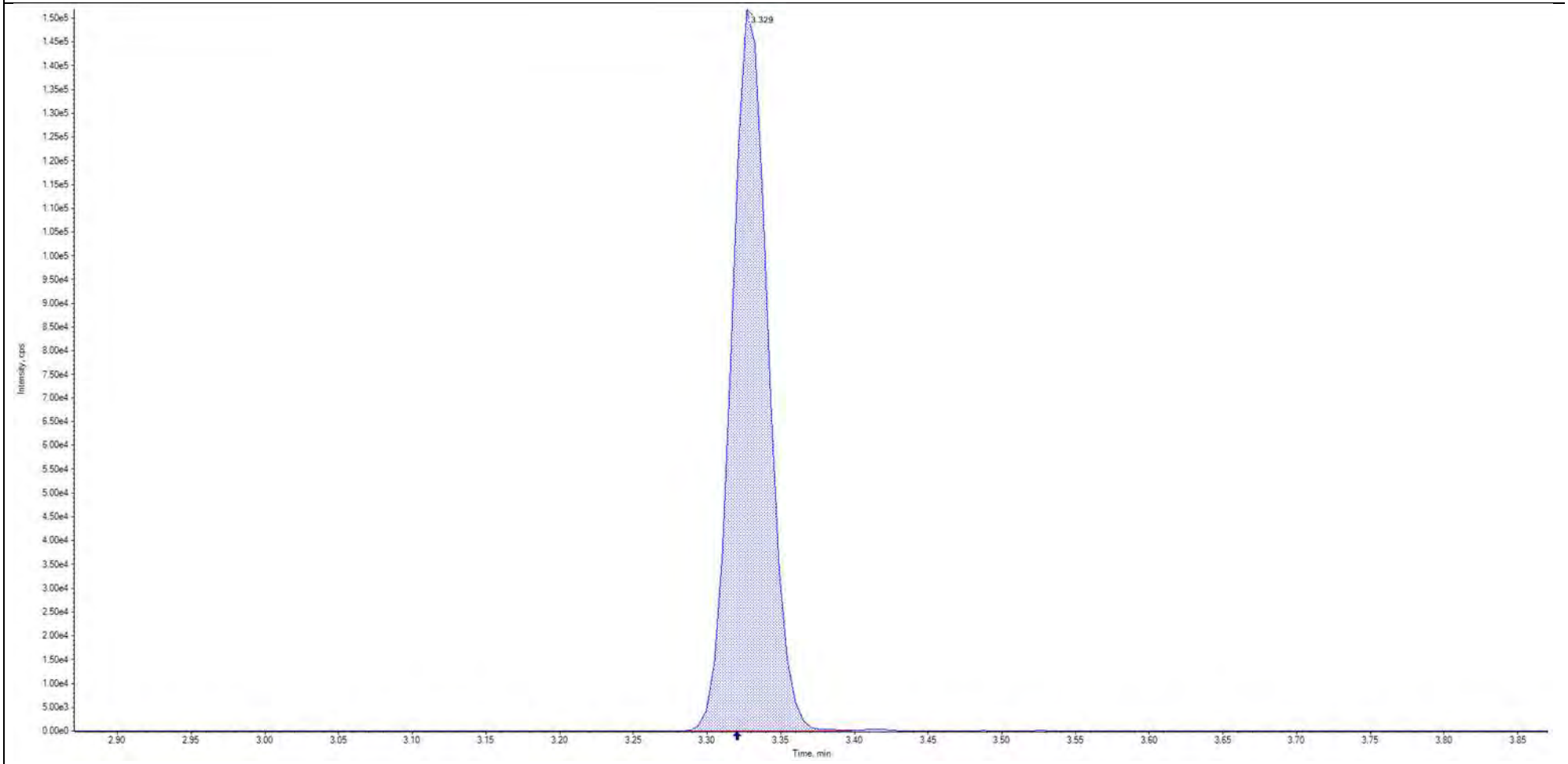
13C2-PFHxA
Sample: IA1633STD-.5



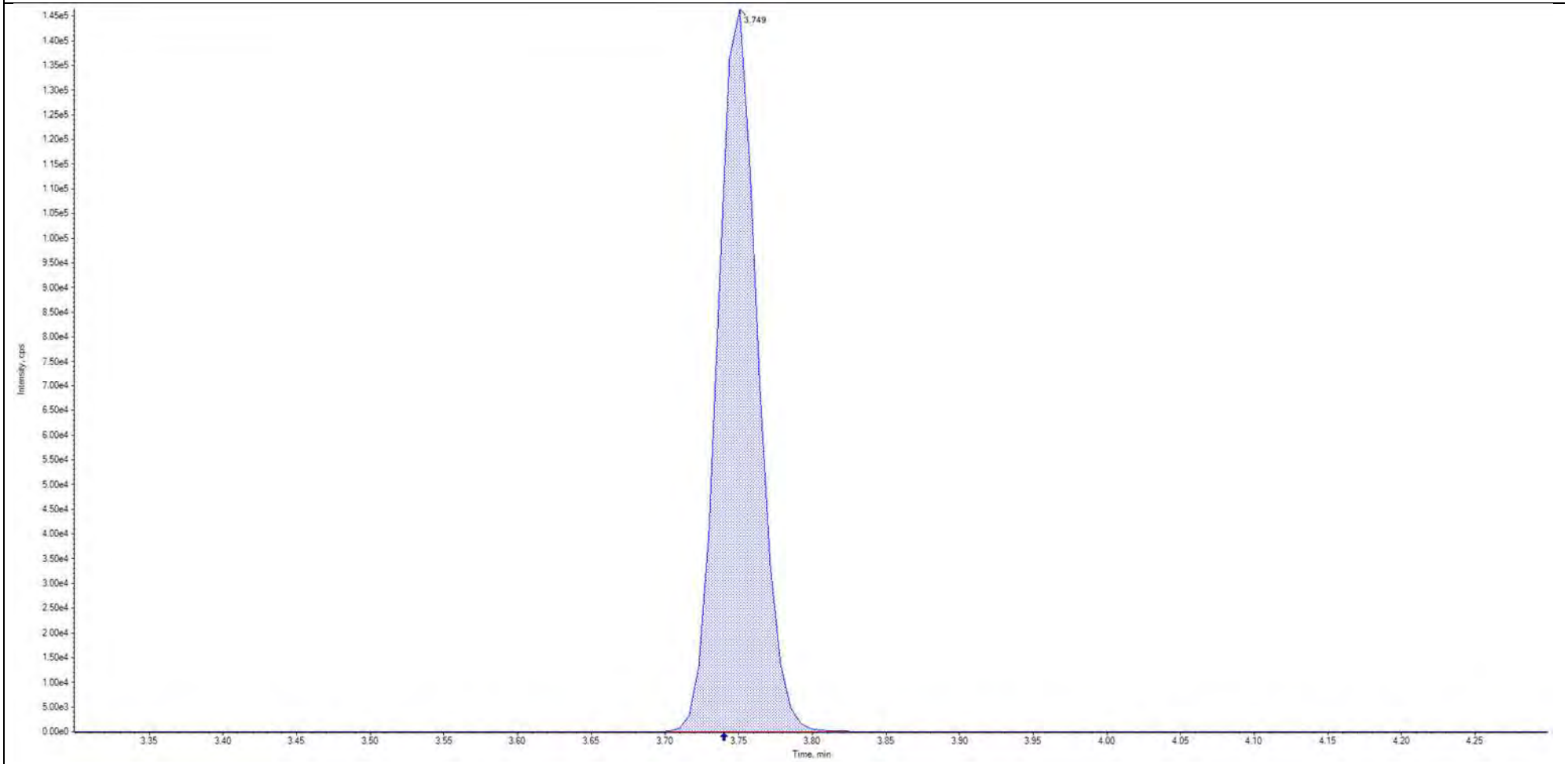
13C4-PFOA
Sample: IA1633STD-.5



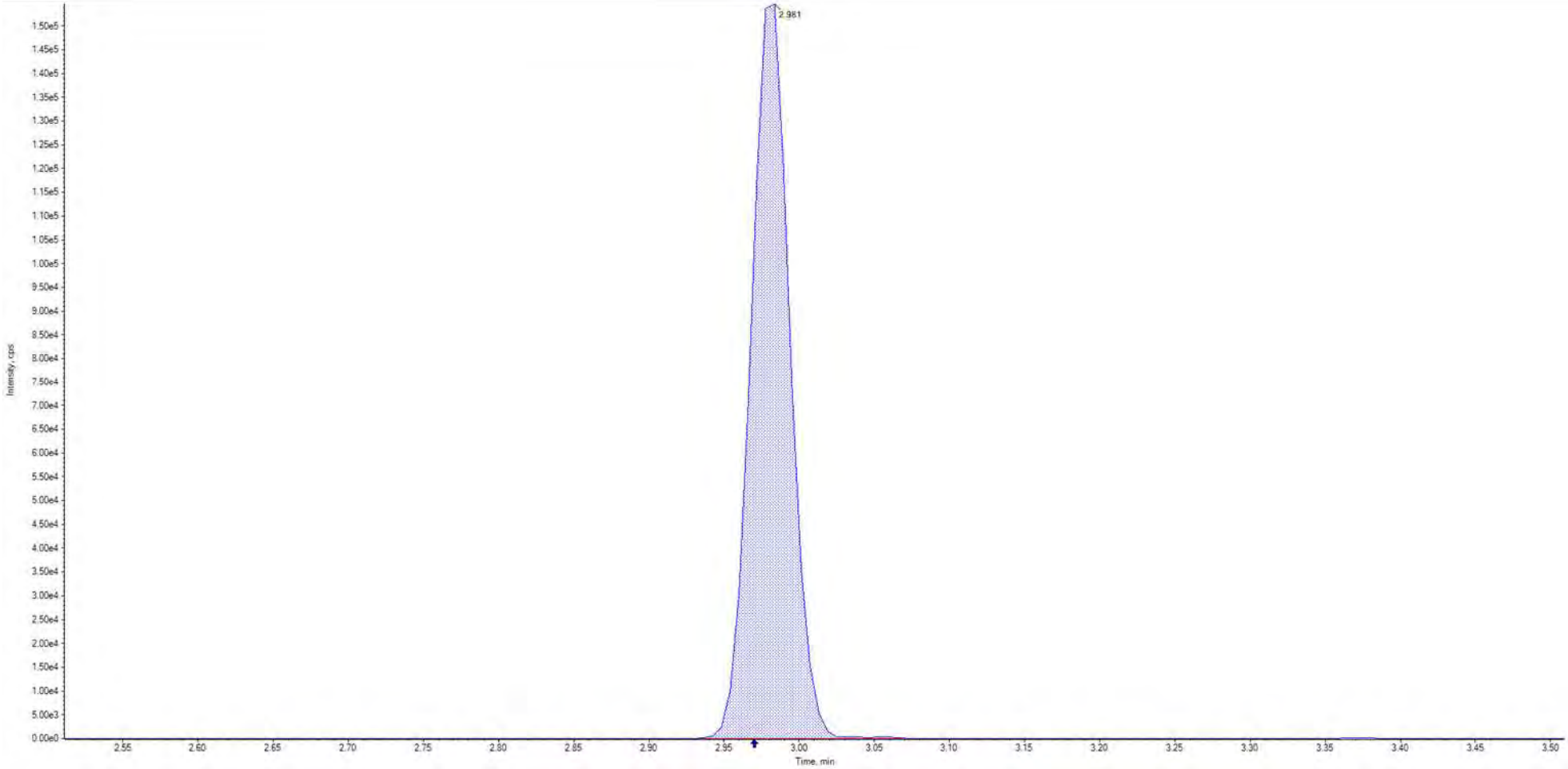
13C5-PFNA
Sample: IA1633STD-.5



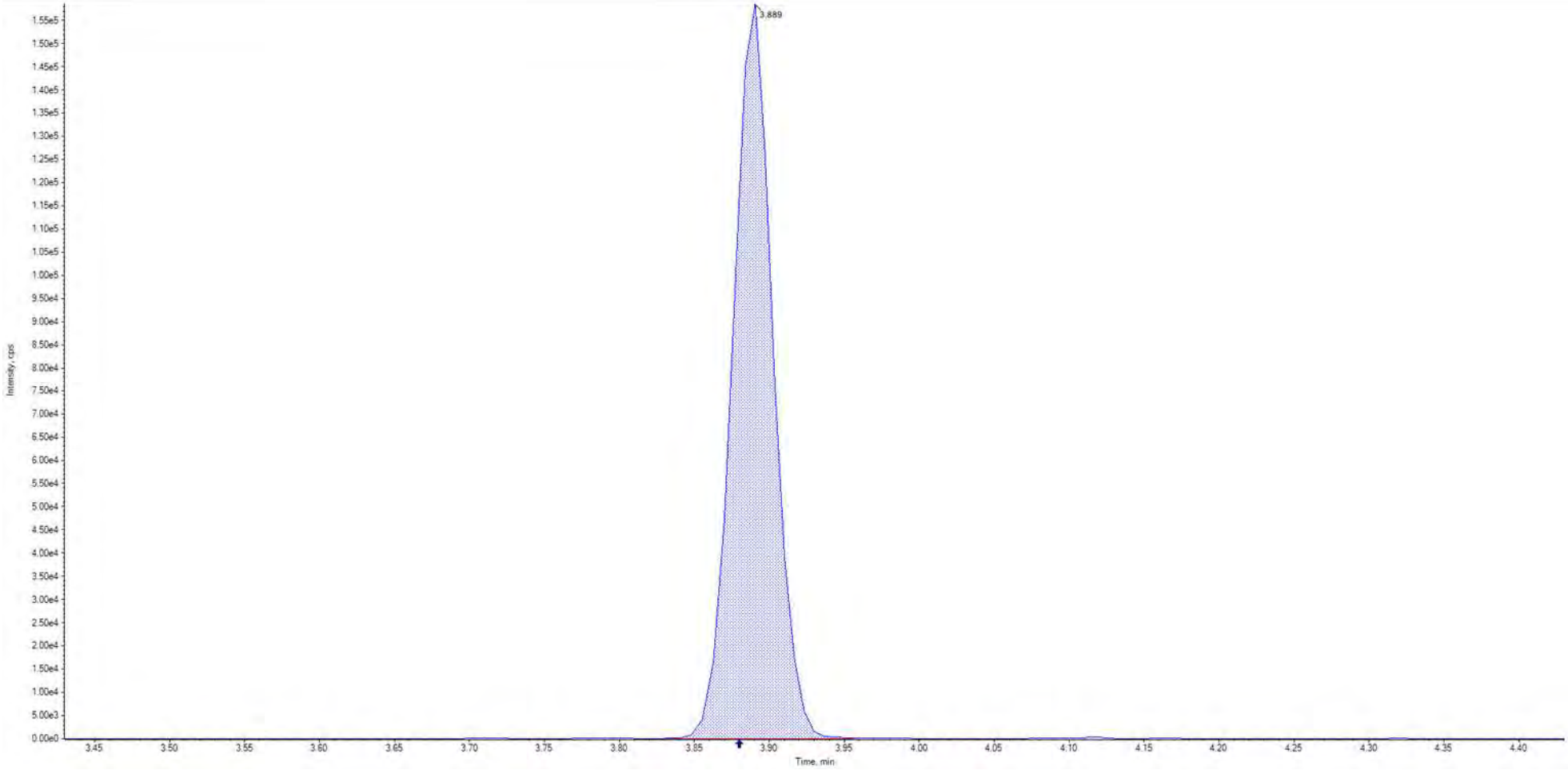
13C2-PFDA
Sample: IA1633STD-.5



18O2-PFHxS
Sample: IA1633STD-.5



13C4-PFOS
Sample: IA1633STD-.5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

Method: EPA1633F.qmethod
Calibration: 241112_1633_ICAL

ID: IA1633STD-2.5
Name: SCI09_241112_19.wiff2
Date & Time: 2024-11-12T14:14:11
Description: WG1996415
Instrument: SCIEX Triple Quad 5500+
User: LCMS09:PNB

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.56	213.0 / 169.0	1378296		10.002	N/A	N/A	N/A	100.0
2	PFPeA	2706-90-3	1.08	263.0 / 219.0	599628		5.008	0.008	N/A	N/A	100.2
3	PFPeA_2	2706-90-3	1.08	263.0 / 68.9	4675		4.479	0.008	N/A	N/A	89.6
4	PFHxA	307-24-4	1.83	313.0 / 269.0	429984		2.663	0.084	0.089	Pass	106.5
5	PFHxA_2	307-24-4	1.83	313.0 / 119.0	36193		2.468	0.084	0.089	Pass	98.7
6	PFHpA	375-85-9	2.40	363.1 / 319.0	473251		2.528	0.376	0.384	Pass	101.1
7	PFHpA_2	375-85-9	2.40	363.1 / 169.0	177726		2.441	0.376	0.384	Pass	97.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	2.89	413.1 / 369.1	457773	M5	2.253	0.427	0.410	Pass	90.1
9	PFOA_2	335-67-1	2.89	413.1 / 169.0	195488	M5	2.351	0.427	0.410	Pass	94.1
10	PFNA	375-95-1	3.33	462.8 / 418.9	493158	M5	2.503	0.336	0.341	Pass	100.1
11	PFNA_2	375-95-1	3.33	462.8 / 219.0	165770	M5	2.440	0.336	0.341	Pass	97.6
12	PFDA	335-76-2	3.76	513.1 / 469.1	498205		2.430	0.187	0.215	Pass	97.2
13	PFDA_2	335-76-2	3.76	513.1 / 219.0	92933		2.408	0.187	0.215	Pass	96.3
14	PFUnA	2058-94-8	4.16	563.1 / 519.1	571476		2.568	0.159	0.151	Pass	102.7
15	PFUnA_2	2058-94-8	4.16	563.1 / 269.0	90823		2.742	0.159	0.151	Pass	109.7
16	PFDoA	307-55-1	4.55	613.1 / 569.1	638354		2.660	0.142	0.140	Pass	106.4
17	PFDoA_2	307-55-1	4.55	613.1 / 319.0	90679		2.689	0.142	0.140	Pass	107.6
18	PFTrDA	72629-94-8	4.93	663.1 / 619.1	555304		2.541	0.154	0.159	Pass	101.7
19	PFTrDA_2	72629-94-8	4.93	663.1 / 169.0	85350		2.524	0.154	0.159	Pass	101.0
20	PFTeDA	376-06-7	5.29	713.1 / 669.1	546758		2.568	0.161	0.159	Pass	102.7
21	PFTeDA_2	376-06-7	5.29	713.1 / 169.0	88015		2.586	0.161	0.159	Pass	103.5
22	PFBS	375-73-5	1.82	299.1 / 80.1	338862		2.212	0.375	0.398	Pass	99.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	1.82	299.1 / 99.1	126932		2.378	0.375	0.398	Pass	101.2
24	PFPeS	2706-91-4	2.45	349.1 / 80.1	345119		2.228	0.318	0.285	Pass	94.8
25	PFPeS_2	2706-91-4	2.45	349.1 / 99.1	109696		2.262	0.318	0.285	Pass	96.3
26	PFHxS	355-46-4	2.98	399.1 / 80.1	313557	M5	2.107	0.307	0.293	Pass	92.4
27	PFHxS_2	355-46-4	2.98	399.1 / 99.1	96172		2.248	0.307	0.293	Pass	98.6
28	PFHpS	375-92-8	3.46	449.1 / 80.1	344376		2.363	0.303	0.308	Pass	99.3
29	PFHpS_2	375-92-8	3.46	449.1 / 99.1	104447		2.455	0.303	0.308	Pass	103.1
30	PFOS	1763-23-1	3.89	499.1 / 80.1	380096	M5	2.249	0.241	0.241	Pass	96.9
31	PFOS_2	1763-23-1	3.89	499.1 / 99.1	91613	M5	2.237	0.241	0.241	Pass	96.4
32	PFNS	68259-12-1	4.31	549.1 / 80.1	294308		2.419	0.299	0.299	Pass	100.8
33	PFNS_2	68259-12-1	4.31	549.1 / 99.1	88062		2.484	0.299	0.299	Pass	103.5
34	PFDS	335-77-3	4.70	599.1 / 80.1	309310		2.392	0.298	0.274	Pass	99.2
35	PFDS_2	335-77-3	4.70	599.1 / 99.1	92290		2.498	0.298	0.274	Pass	103.6
36	PFDoS	79780-39-5	5.44	699.2 / 80.1	264585		2.351	0.261	0.247	Pass	97.1
37	PFDoS_2	79780-39-5	5.44	699.2 / 99.1	68957		2.389	0.261	0.247	Pass	98.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	1.62	327.1 / 307.1	303991		8.915	0.634	0.634	Pass	95.1
39	4:2FTS_2	757124-72-4	1.62	327.1 / 81.1	192675		8.940	0.634	0.634	Pass	95.4
40	6:2FTS	27619-97-2	2.71	427.2 / 407.2	280775		10.231	0.632	0.609	Pass	107.6
41	6:2FTS_2	27619-97-2	2.71	427.2 / 81.1	177497		10.411	0.632	0.609	Pass	109.5
42	8:2FTS	39108-34-4	3.57	527.2 / 507.2	273223		10.105	0.706	0.681	Pass	105.3
43	8:2FTS_2	39108-34-4	3.57	527.2 / 81.1	192806		11.004	0.706	0.681	Pass	114.6
44	PFOSA	754-91-6	5.18	498.1 / 78.1	517556	M5	2.470	0.027	0.024	Pass	98.8
45	PFOSA_2	754-91-6	5.18	498.1 / 478.0	13876	M5	2.684	0.027	0.024	Pass	107.3
46	NMeFOSA	31506-32-8	5.93	512.2 / 219.0	118733	M5	2.522	1.375	1.421	Pass	100.9
47	NMeFOSA_2	31506-32-8	5.88	512.2 / 169.0	163298	M5	2.411	1.375	1.421	Pass	96.4
48	NEtFOSA	4151-50-2	6.22	526.2 / 219.0	109697		2.469	1.282	1.258	Pass	98.8
49	NEtFOSA_2	4151-50-2	6.18	526.2 / 169.0	140649		2.450	1.282	1.258	Pass	98.0
50	NMeFOSAA	2355-31-9	3.89	570.2 / 419.1	56172	M5	2.572	0.638	0.683	Pass	102.9
51	NMeFOSAA_2	2355-31-9	3.89	570.2 / 483.0	35857	M5	2.344	0.638	0.683	Pass	93.8
52	NEtFOSAA	2991-50-6	4.11	584.2 / 419.1	64995	M5	2.522	0.597	0.571	Pass	100.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.10	584.2 / 526.2	38802	M5	2.592	0.597	0.571	Pass	103.7
54	NMeFOSE	24448-09-7	5.79	616.1 / 58.9	1592600	M5	25.476	N/A	N/A	N/A	101.9
55	NEtFOSE	1691-99-2	6.09	630.0 / 58.9	2112180	M5	24.633	N/A	N/A	N/A	98.5
56	HFPO-DA	13252-13-6	2.03	285.0 / 169.0	1384972		10.654	0.531	0.510	Pass	106.5
57	HFPO-DA_2	13252-13-6	2.03	285.0 / 184.9	735833		10.555	0.531	0.510	Pass	105.6
58	ADONA	919005-14-4	2.58	376.9 / 251.0	2097600		8.640	0.838	0.636	Pass	91.4
59	ADONA_2	919005-14-4	2.58	376.9 / 84.8	1756767		9.516	0.838	0.636	Pass	100.7
60	9Cl-PF3ONS	756426-58-1	4.18	530.8 / 351.1	3106412		10.206	0.320	0.326	Pass	109.4
61	9Cl-PF3ONS_2	756426-58-1	4.18	532.8 / 353.0	993718		9.766	0.320	0.326	Pass	104.7
62	11Cl-PF3OUdS	763051-92-9	4.97	630.9 / 451.0	2737469		10.154	0.314	0.318	Pass	107.7
63	11Cl-PF3OUdS_2	763051-92-9	4.97	632.9 / 452.9	859107		9.951	0.314	0.318	Pass	105.5
64	3:3FTCA	356-02-5	1.45	241.1 / 177.1	121431		12.584	1.024	1.068	Pass	100.7
65	3:3FTCA_2	356-02-5	1.45	241.1 / 117.0	124360		12.024	1.024	1.068	Pass	96.2
66	5:3FTCA	914637-49-3	2.94	341.1 / 237.1	2856368		67.448	1.014	1.045	Pass	107.9
67	5:3FTCA_2	914637-49-3	2.94	341.1 / 217.0	2895786		66.875	1.014	1.045	Pass	107.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	3.97	441.1 / 316.9	2360006		60.015	1.407	1.285	Pass	96.0
69	7:3FTCA_2	812-70-4	3.97	441.1 / 337.1	3319624		65.088	1.407	1.285	Pass	104.1
70	PFEESA	113507-82-7	2.12	315.1 / 135.0	2081356		4.480	0.079	0.081	Pass	100.4
71	PFEESA_2	113507-82-7	2.12	315.1 / 82.9	164954		4.374	0.079	0.081	Pass	98.1
72	PFMPA	377-73-1	0.70	229.0 / 85.0	693087		4.845	N/A	N/A	N/A	96.9
73	PFMBA	863090-89-5	1.35	279.0 / 85.0	739510		4.857	N/A	N/A	N/A	97.1
74	NFDHA	151772-58-6	1.75	295.0 / 201.0	483159		4.950	0.756	0.681	Pass	99.0
75	NFDHA_2	151772-58-6	1.75	295.0 / 84.9	365171		5.194	0.756	0.681	Pass	103.9
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	5.357	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	5.357	N/A	N/A
78	13C2D4-4:2FTS	Surr	1.61	333.2 / 312.1	92216		3.940	N/A	N/A	N/A	78.8
79	13C2-PFOA	Surr	2.88	415.0 / 370.0	275001		2.078	N/A	N/A	N/A	83.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.55	217.0 / 172.0	1616311		9.871	NA	NA	NA	98.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.08	268.0 / 223.0	683279		4.922	NA	NA	NA	98.4
	13C5-PFHxA	EIS	1.82	318.0 / 273.0	352135		2.404	NA	NA	NA	96.2
	13C4-PFHpA	EIS	2.39	367.0 / 322.0	307396		2.515	NA	NA	NA	100.6
	13C8-PFOA	EIS	2.88	420.8 / 376.0	628614		2.695	NA	NA	NA	107.8
	13C9-PFNA	EIS	3.33	472.0 / 427.0	277734		1.284	NA	NA	NA	102.7
	13C6-PFDA	EIS	3.75	519.0 / 474.0	302644		1.250	NA	NA	NA	100.0
	13C7-PFUnA	EIS	4.16	570.0 / 525.0	341891		1.272	NA	NA	NA	101.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.55	615.1 / 570.0	341642		1.190	NA	NA	NA	95.2
	13C2-PFTeDA	EIS	5.29	715.1 / 670.1	269607		1.265	NA	NA	NA	101.2
	13C3-PFBS	EIS	1.81	302.1 / 80.1	356510		2.191	NA	NA	NA	94.0
	13C3-PFHxS	EIS	2.98	402.1 / 80.1	342949		2.379	NA	NA	NA	100.4
	13C8-PFOS	EIS	3.89	507.1 / 80.1	383859		2.390	NA	NA	NA	99.6
	13C2-4:2FTS	EIS	1.62	329.1 / 81.1	101748		4.501	NA	NA	NA	96.0
	13C2-6:2FTS	EIS	2.70	429.2 / 81.1	83552		4.164	NA	NA	NA	87.5
	13C2-8:2FTS	EIS	3.57	529.2 / 81.1	103904		4.375	NA	NA	NA	91.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	5.18	506.1 / 78.1	666506		2.444	NA	NA	NA	97.8
	d3-NMeFOSA	EIS	5.92	515.2 / 219.0	109091		2.443	NA	NA	NA	97.7
	d5-NEtFOSA	EIS	6.21	531.2 / 219.0	99804		2.463	NA	NA	NA	98.5
	d3-NMeFOSAA	EIS	3.89	573.2 / 419.1	137674		4.966	NA	NA	NA	99.3
	d5-NEtFOSAA	EIS	4.10	589.3 / 419.1	136617		5.000	NA	NA	NA	100.0
	d7-NMeFOSE	EIS	5.77	623.2 / 58.9	724966		25.065	NA	NA	NA	100.3
	d9-NEtFOSE	EIS	6.07	639.2 / 58.9	993833		25.536	NA	NA	NA	102.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.03	287.0 / 169.0	1363321		9.531	NA	NA	NA	95.3
	13C3-PFBA	NIS	0.55	216.0 / 172.0	713759		5.629	NA	NA	NA	112.6
	13C2-PFHxA	NIS	1.82	315.0 / 270.0	406380		2.728	NA	NA	NA	109.1
	13C4-PFOA	NIS	2.88	417.0 / 372.0	371828		2.579	NA	NA	NA	103.2
	13C5-PFNA	NIS	3.33	468.0 / 423.0	269288		1.319	NA	NA	NA	105.5
	13C2-PFDA	NIS	3.75	515.1 / 470.1	287304		1.362	NA	NA	NA	109.0
	18O2-PFHxS	NIS	2.98	403.1 / 84.1	301000		2.580	NA	NA	NA	108.8
	13C4-PFOS	NIS	3.89	503.1 / 80.1	319887		2.549	NA	NA	NA	106.2

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec

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PFBA
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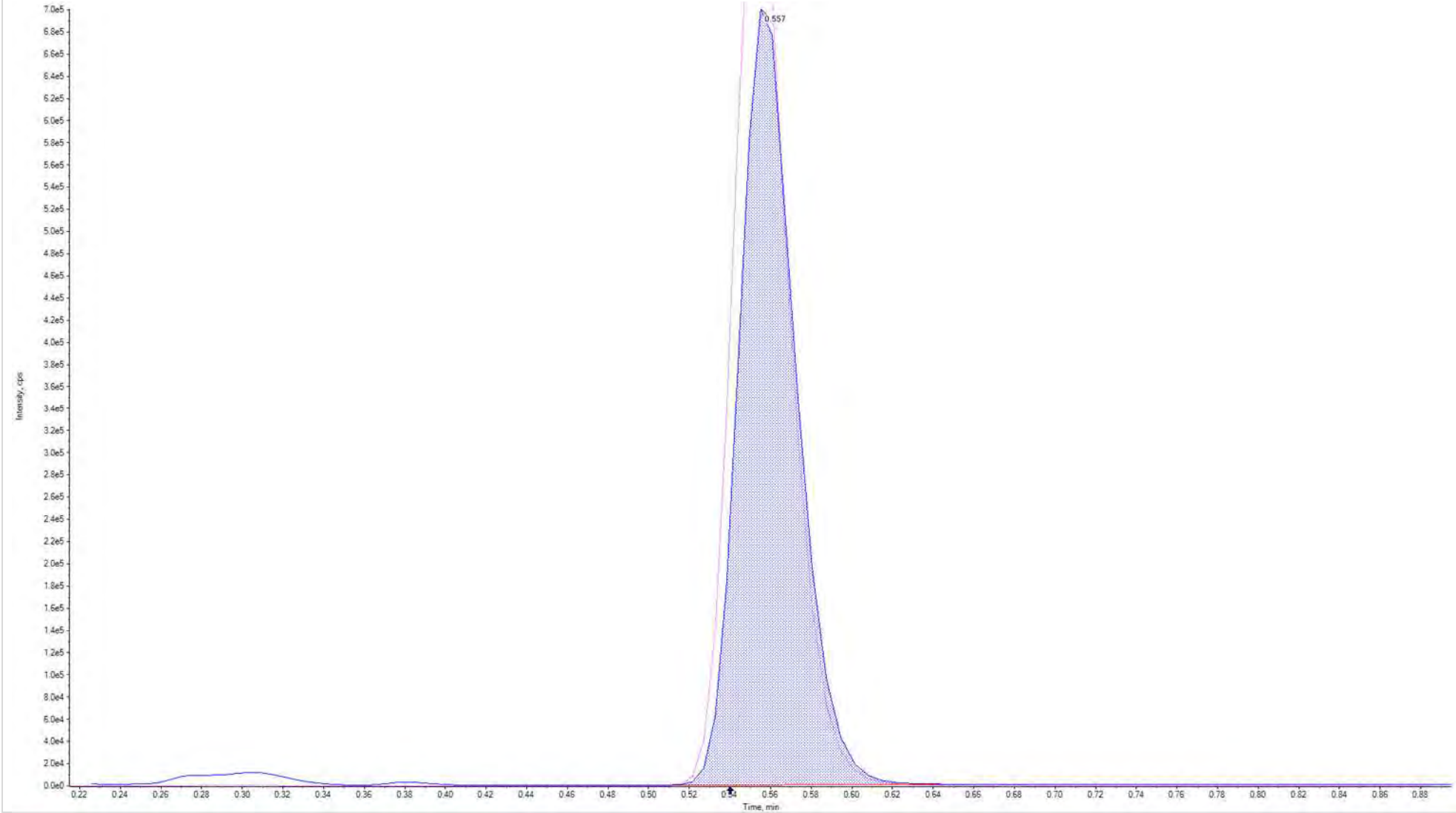

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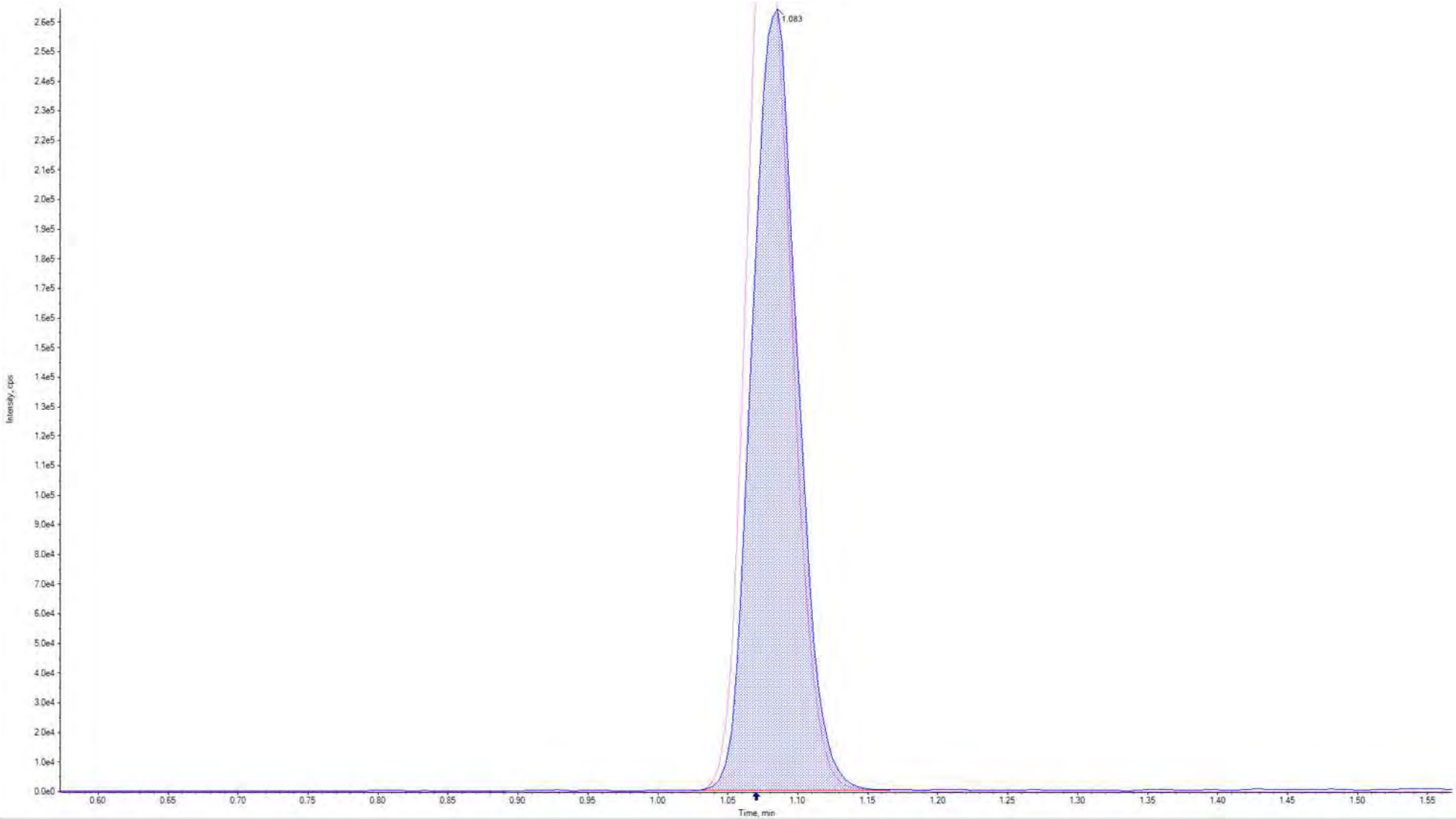
PFPeA
Sample: IA1633STD-2.5 S/N:3051.6 Points Across peak:38



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PFPeA_2
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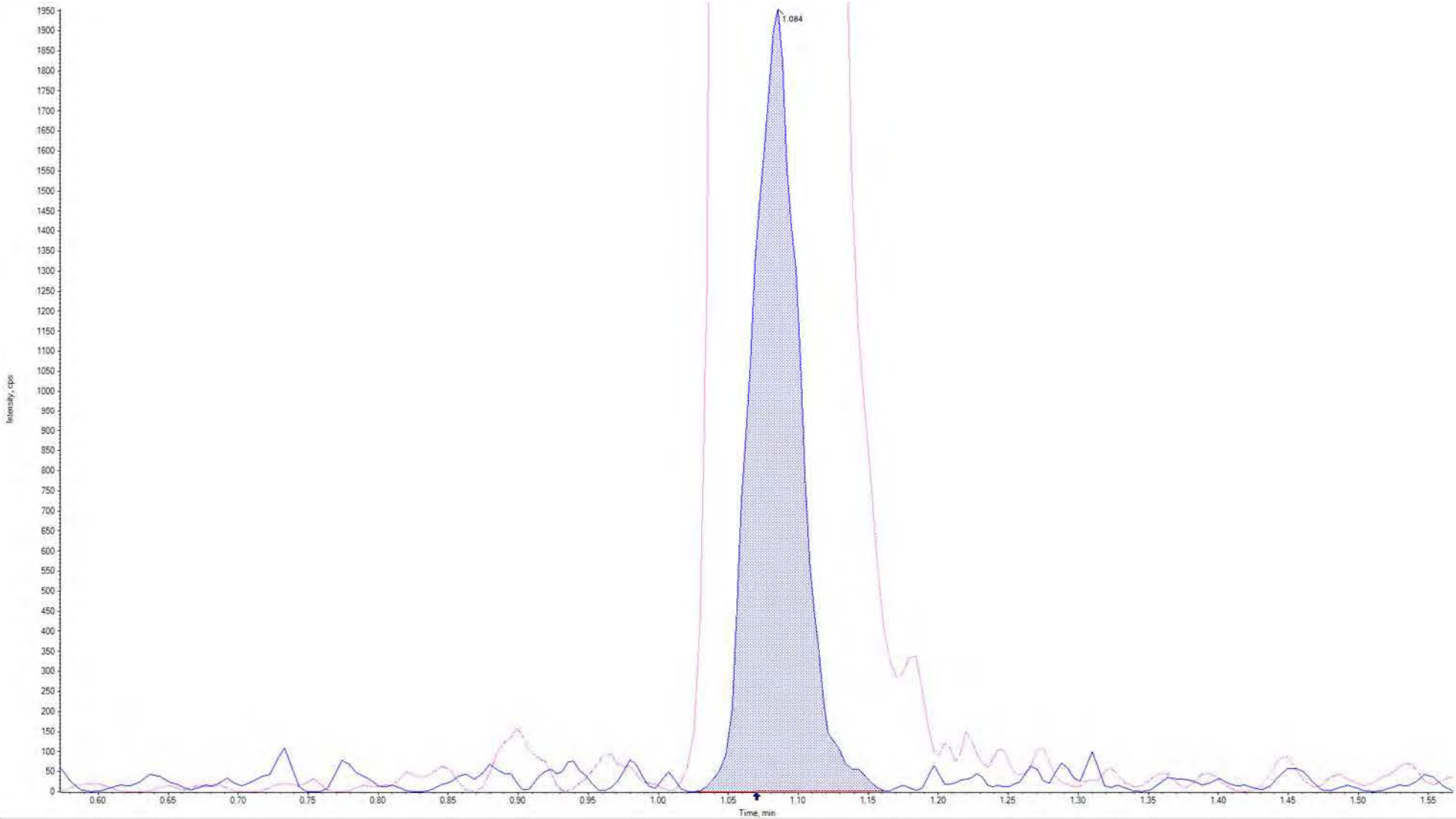

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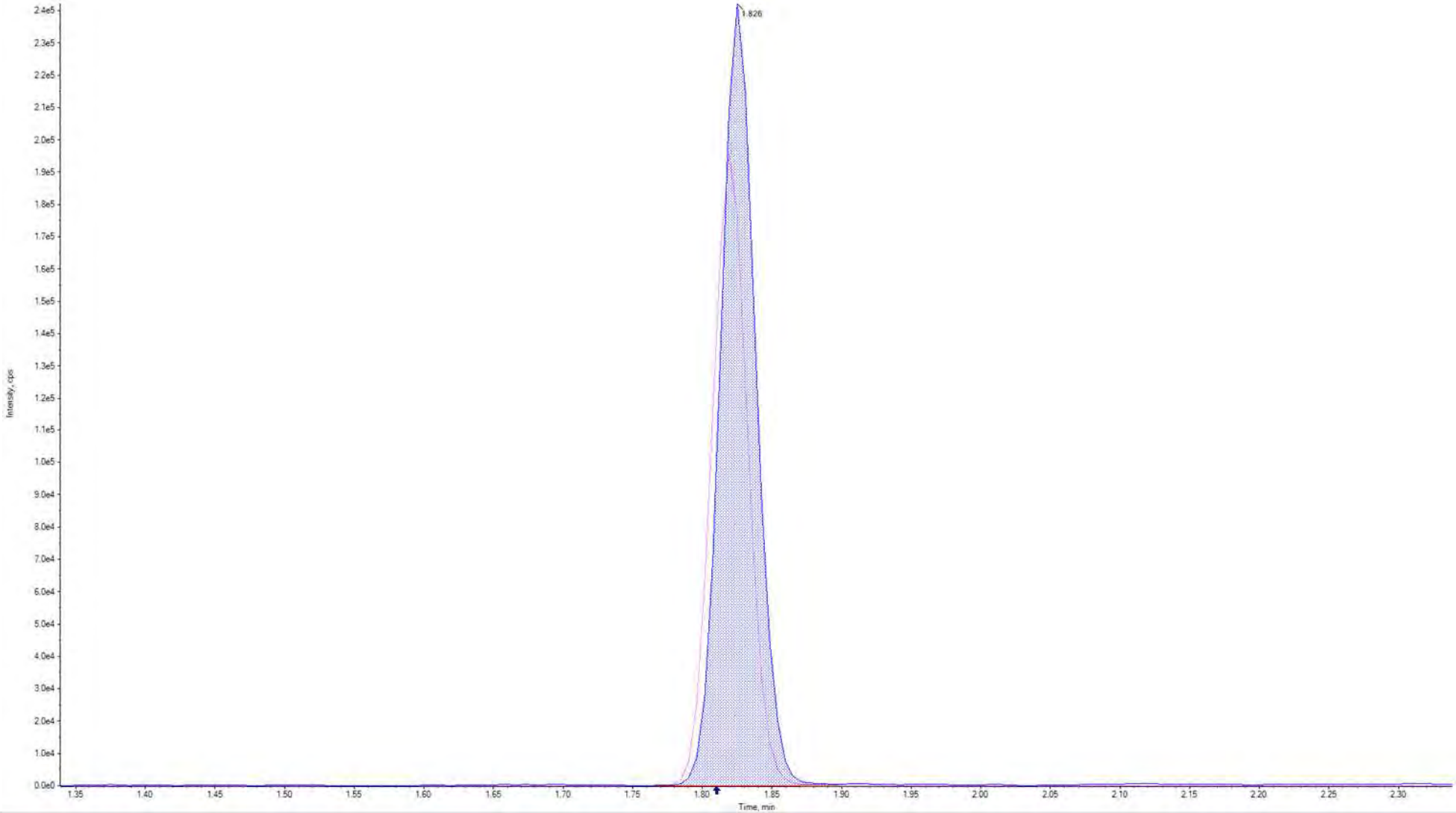
PFHxA
Sample: IA1633STD-2.5 S/N:5381.6 Points Across peak:26



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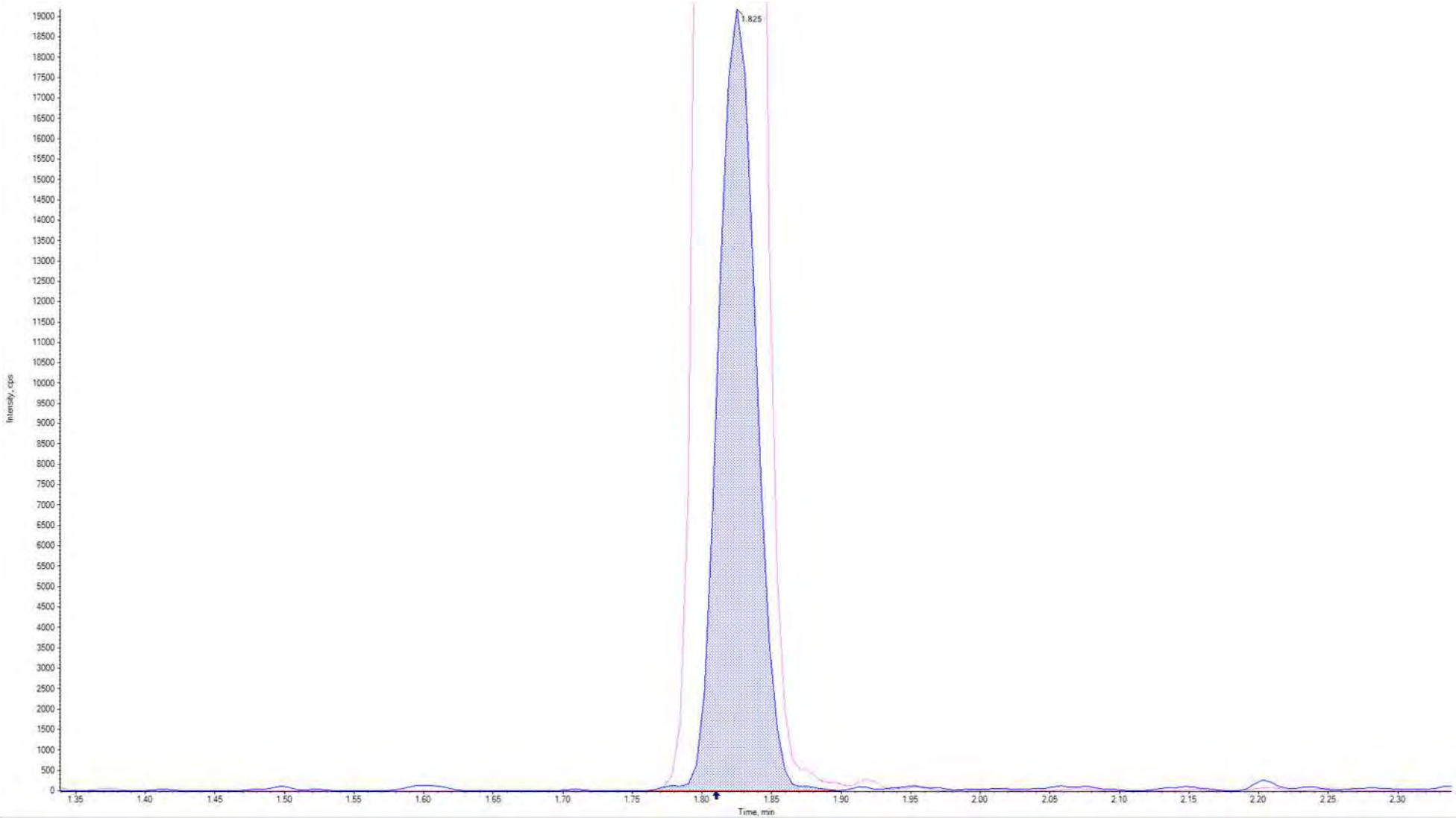
PFHxA_2
Sample: IA1633STD-2.5 S/N:480.6 Points Across peak:27



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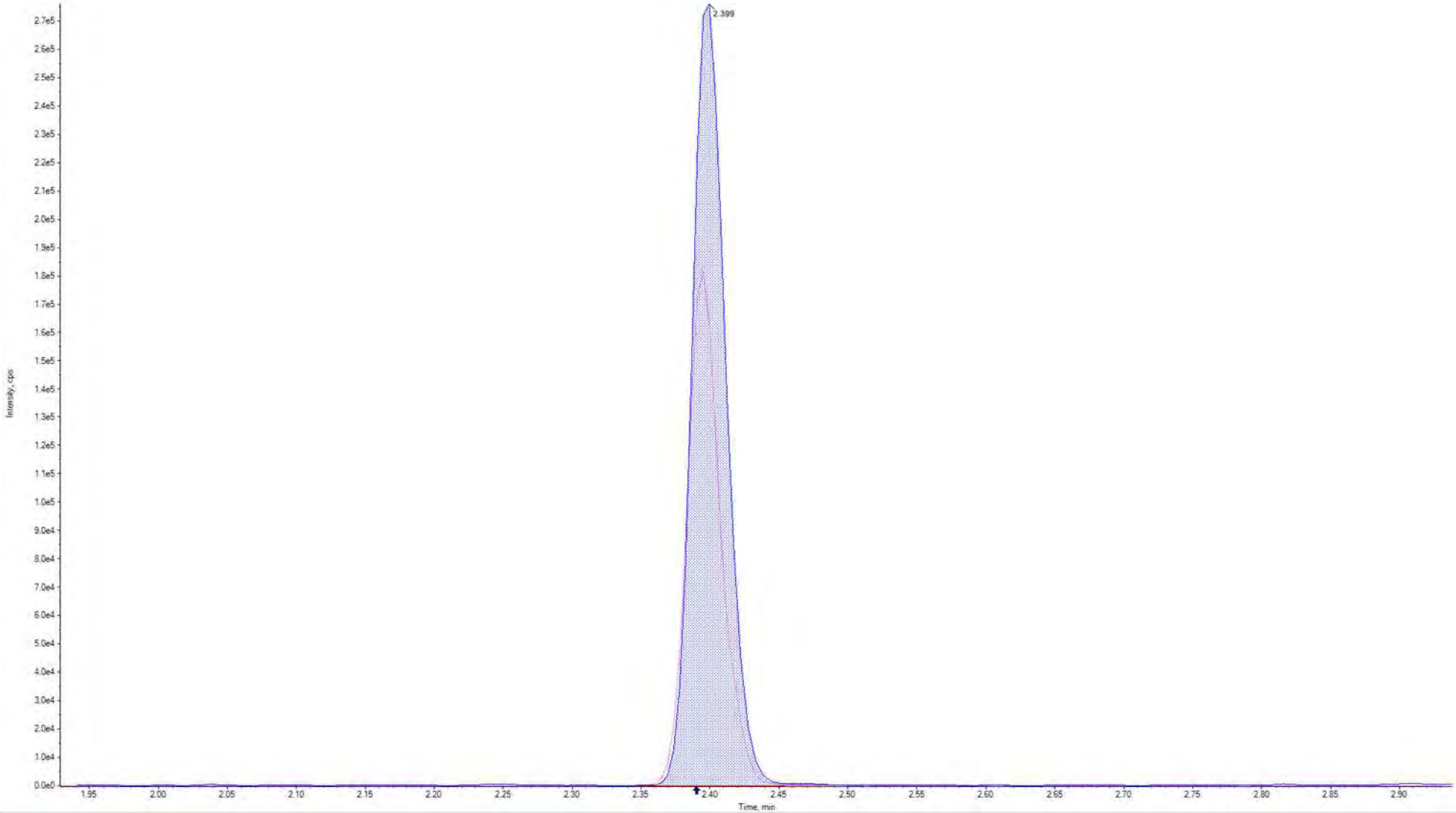
PFHpA
Sample: IA1633STD-2.5 S/N:4340.0 Points Across peak:32



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PFHpA_2
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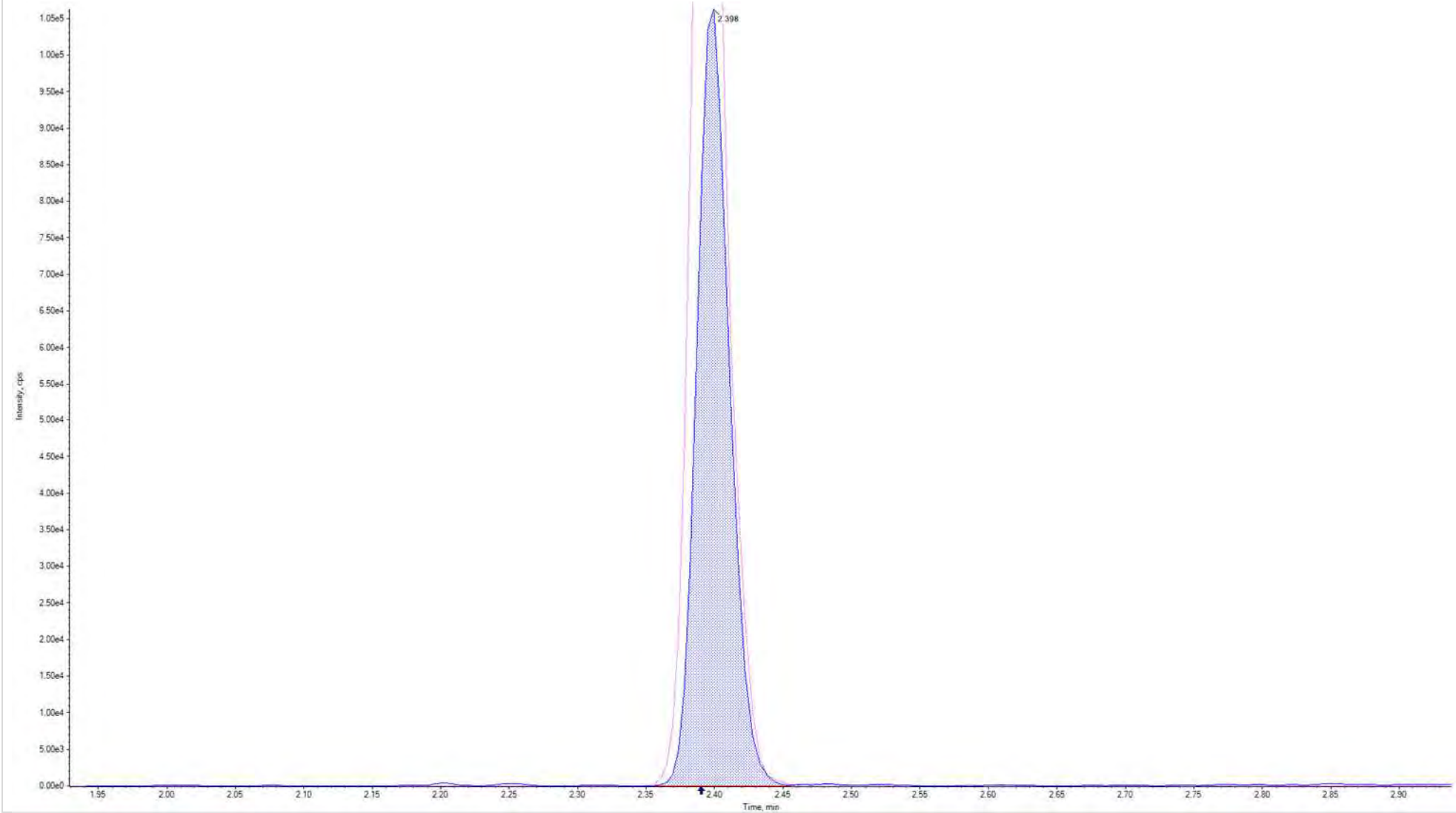

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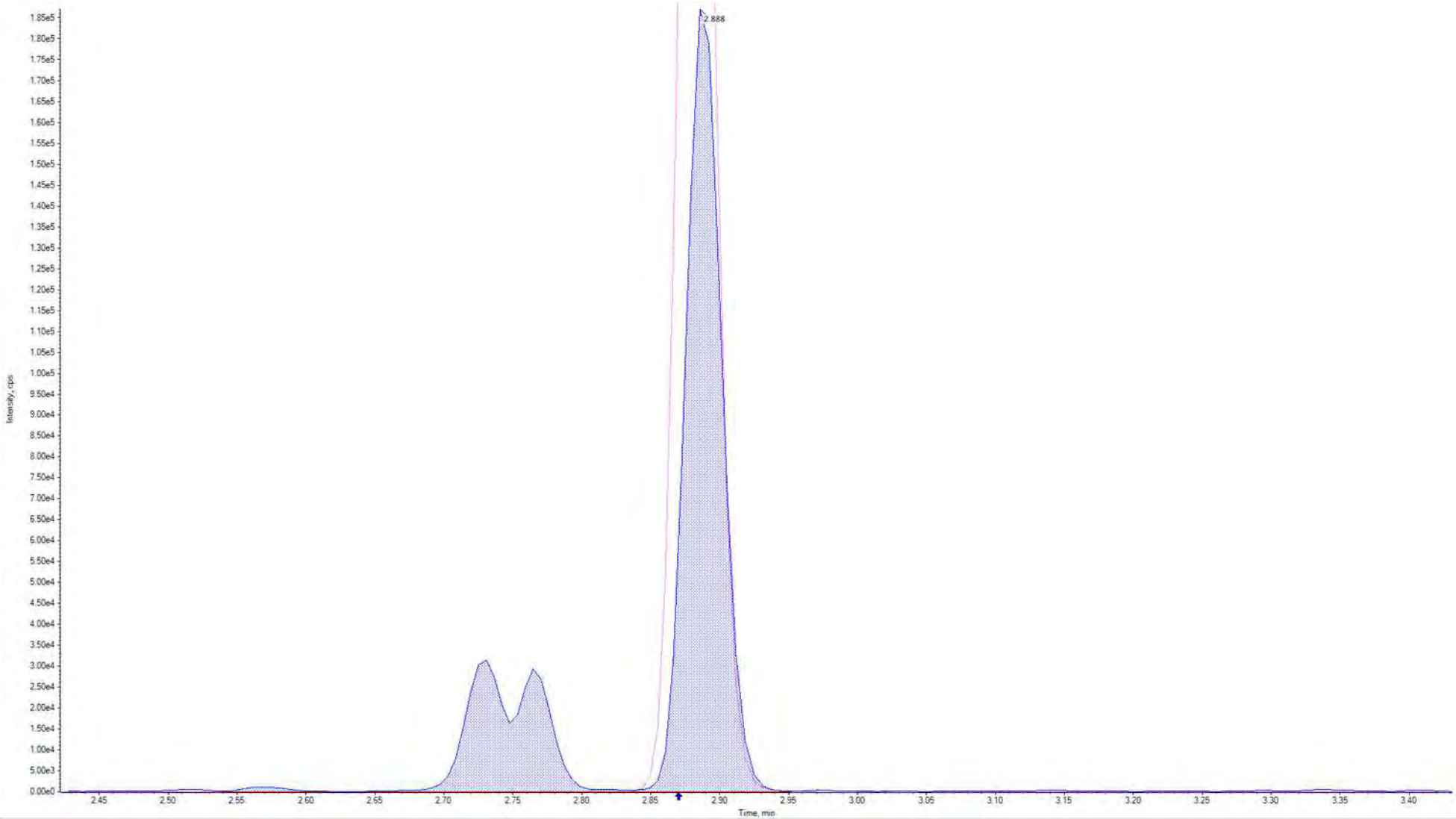
PFOA
Sample: IA1633STD-2.5 S/N:627.3 Points Across peak:72



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PFOA_2
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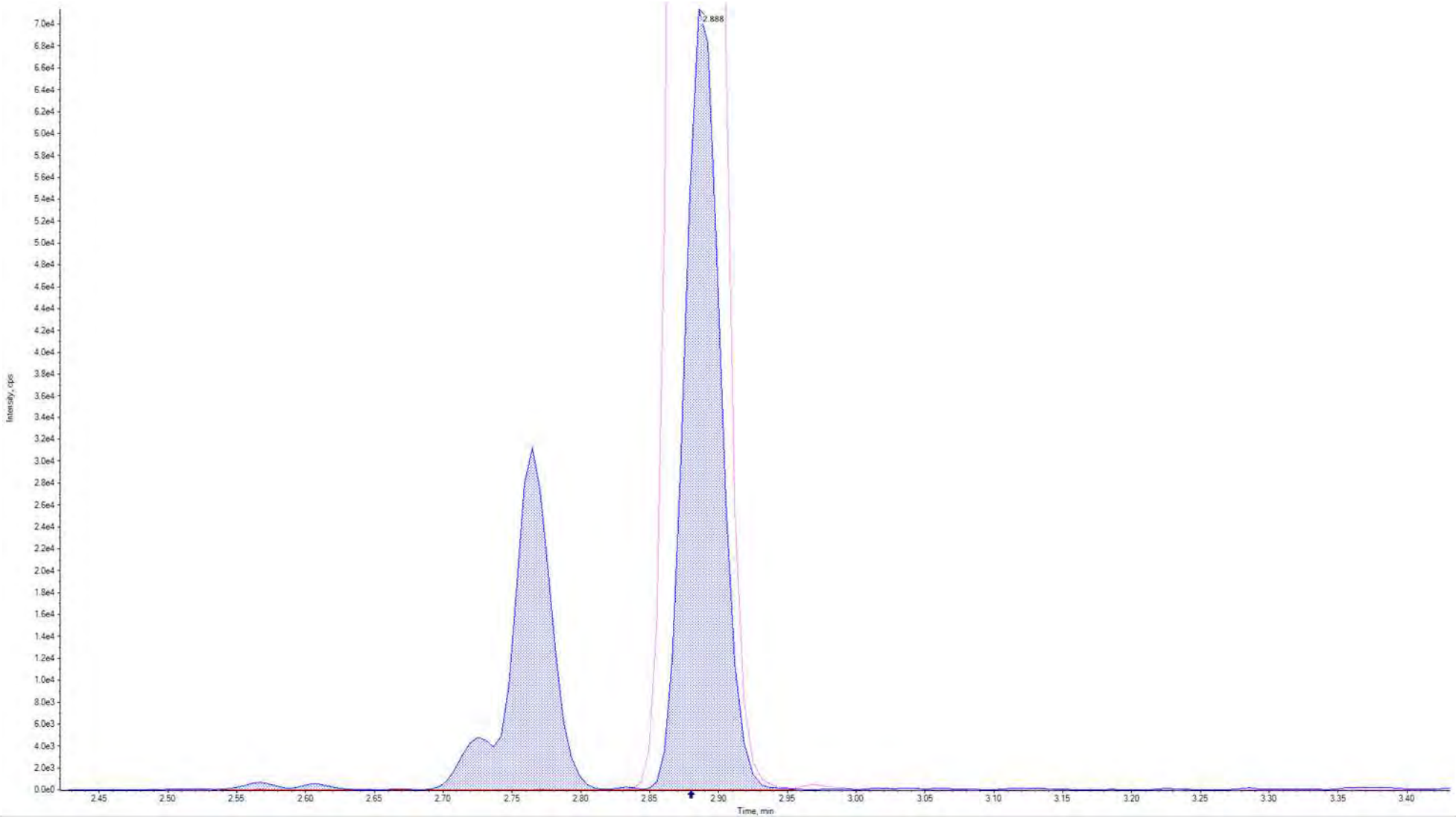

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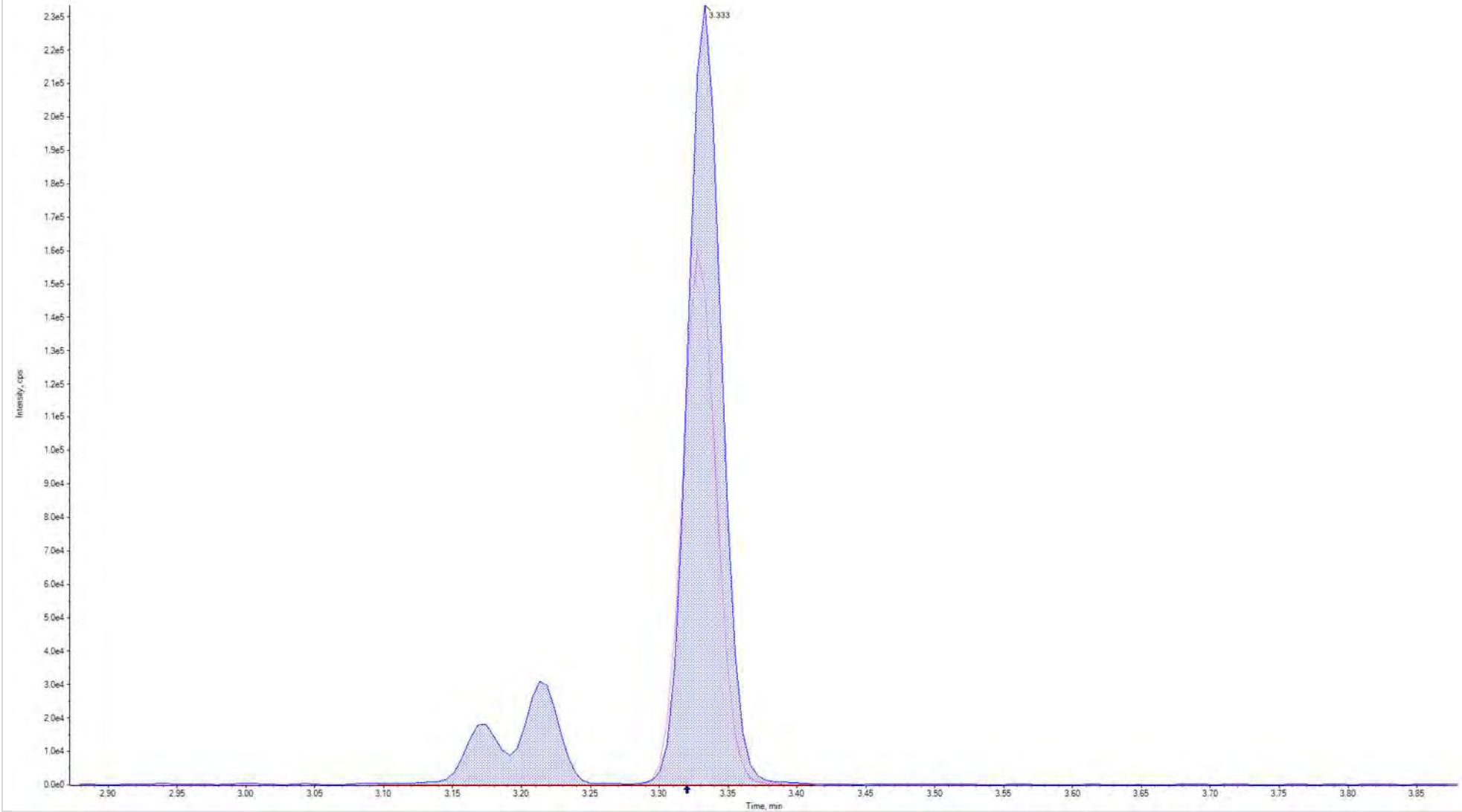
PFNA
Sample: IA1633STD-2.5 S/N:737.7 Points Across peak:61



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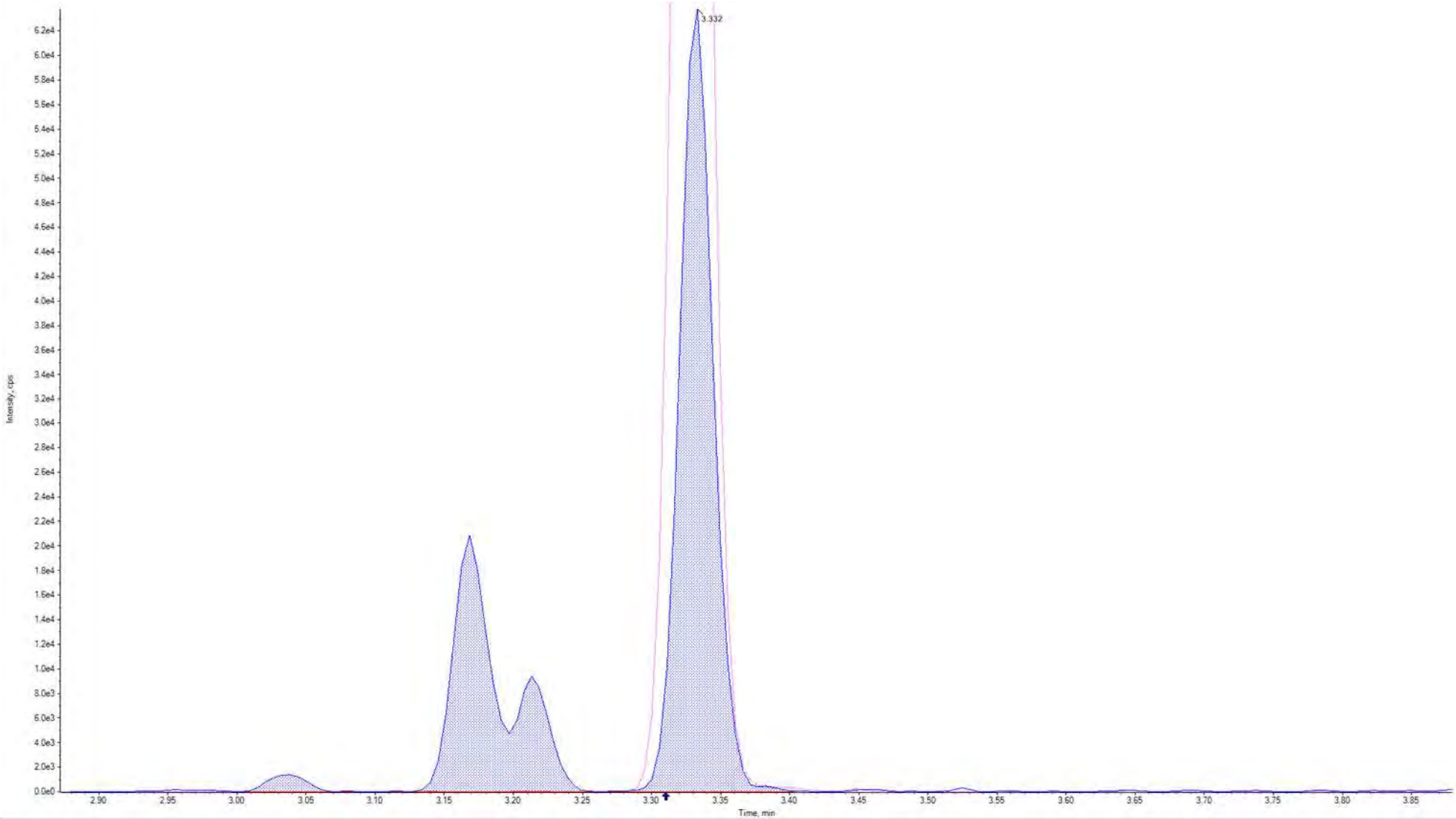
PFNA_2
Sample: IA1633STD-2.5 S/N:457.1 Points Across peak:75



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PFDA
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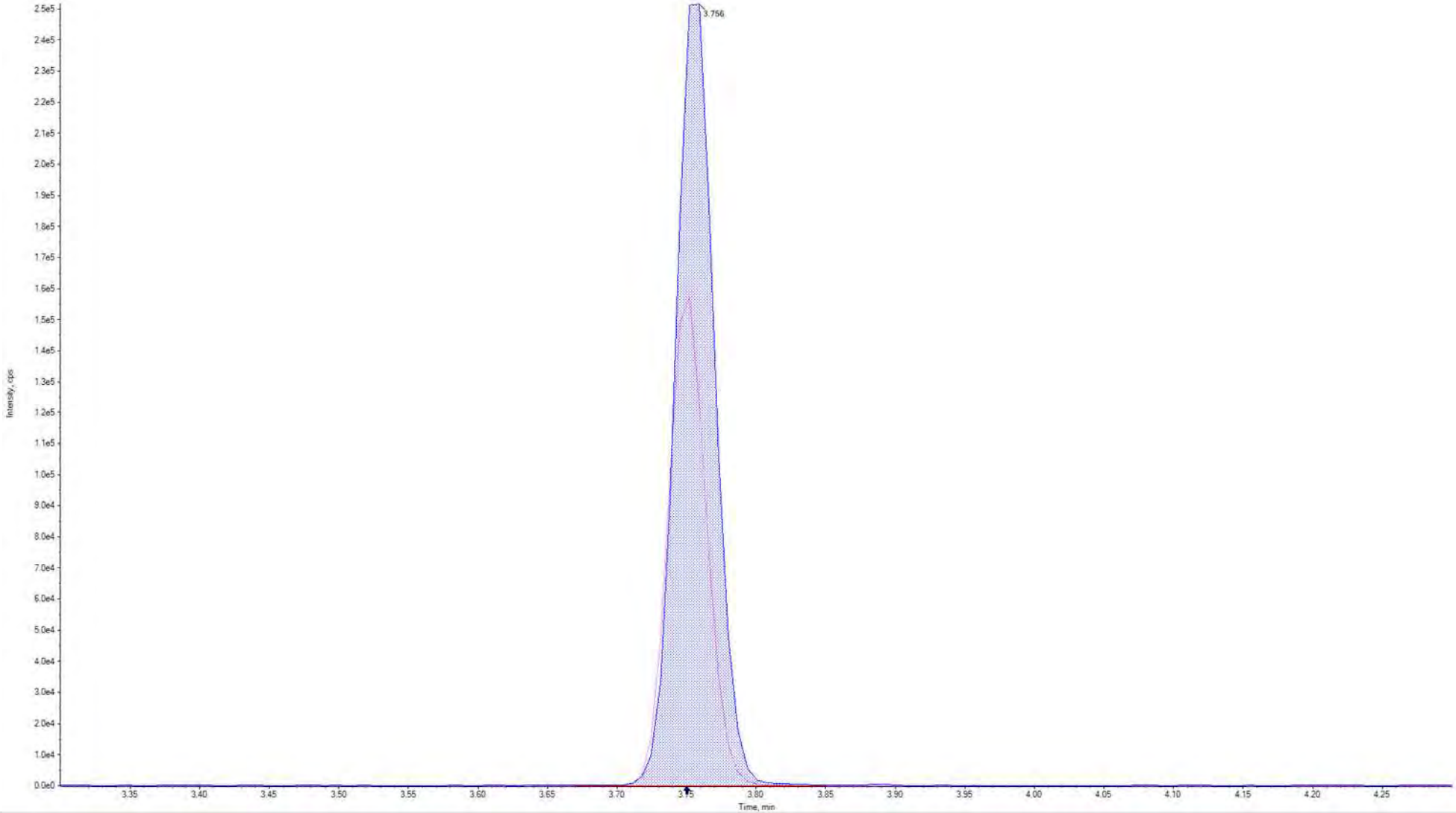

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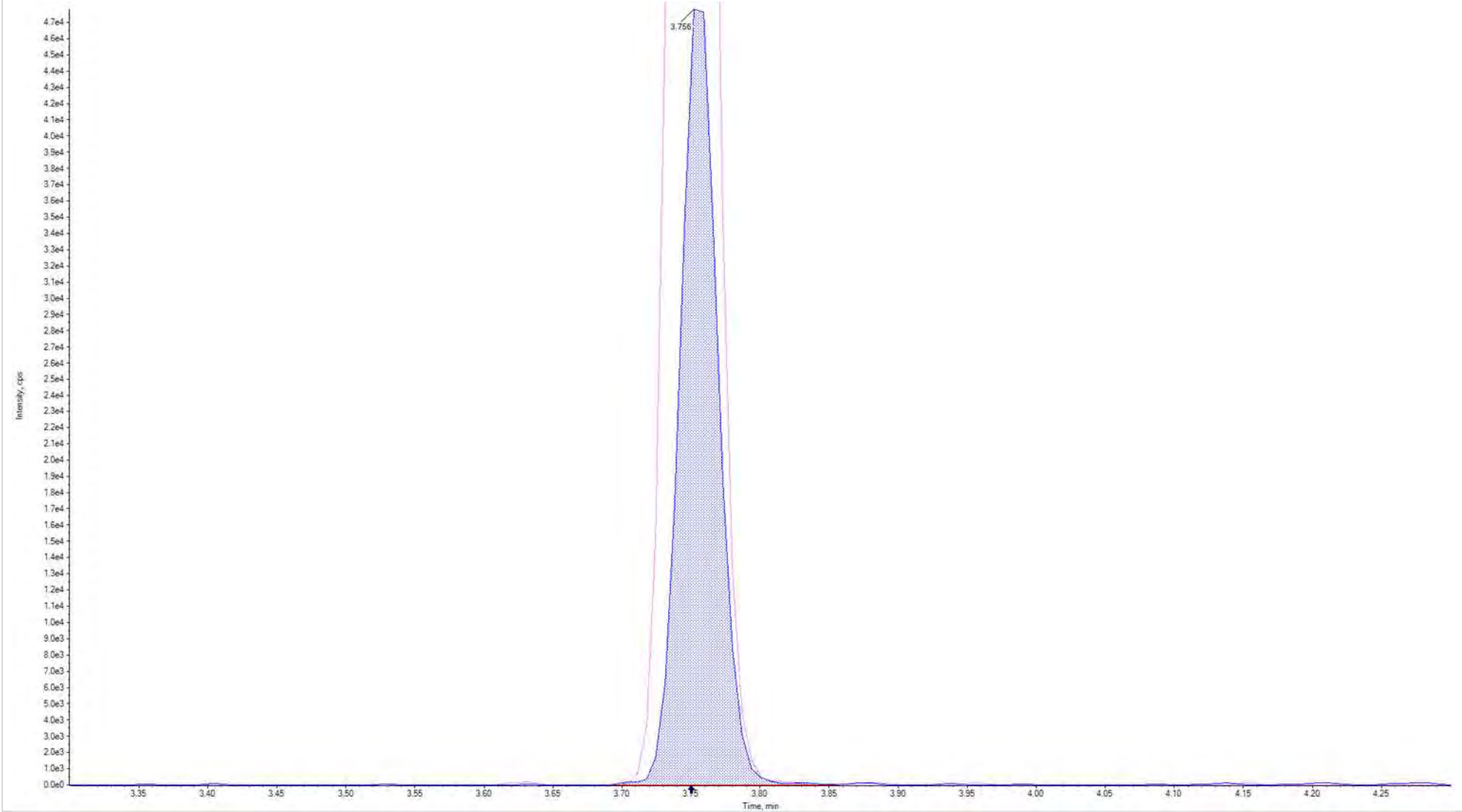
PFDA_2
Sample: IA1633STD-2.5 S/N:959.0 Points Across peak:28



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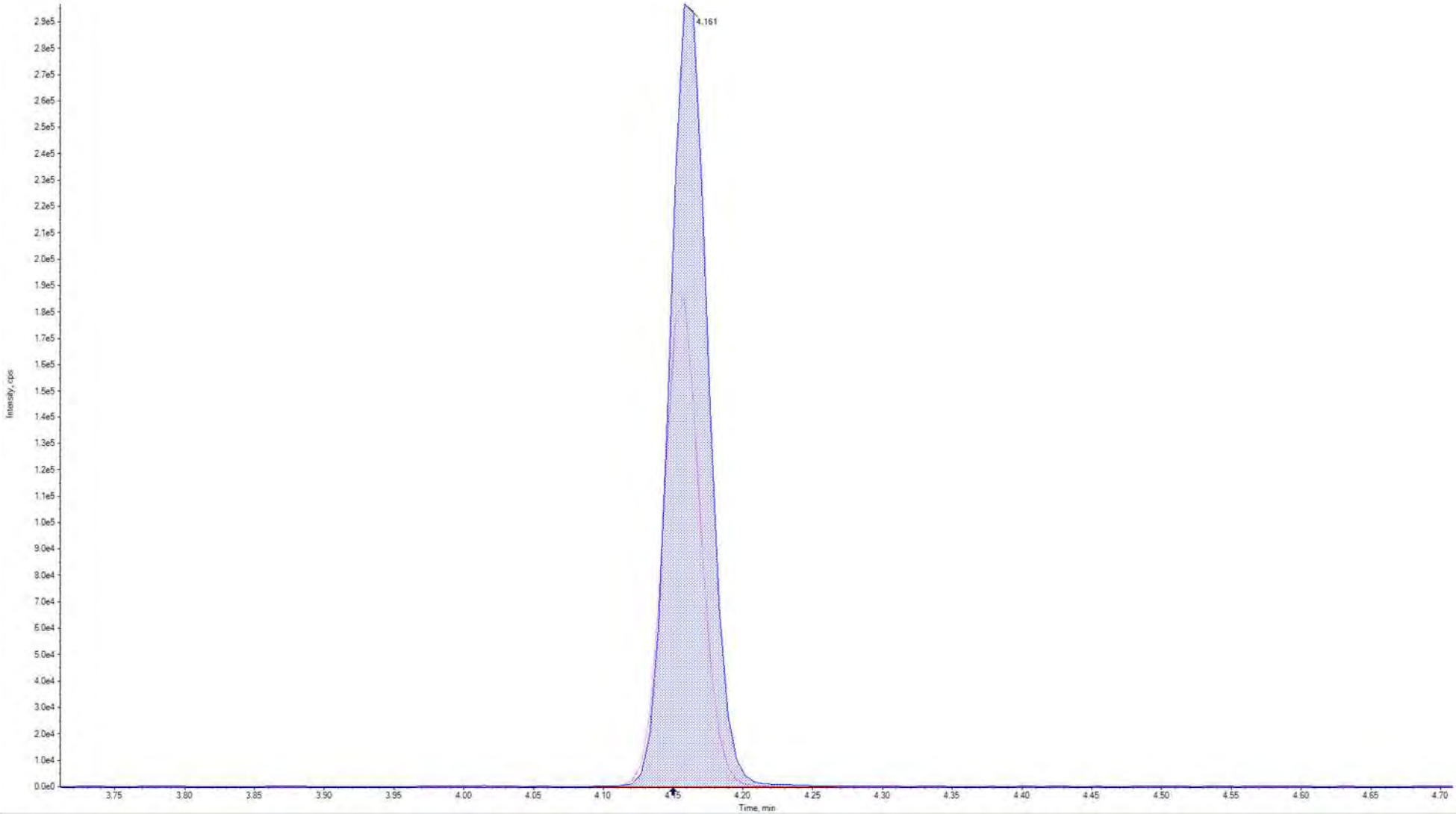
PFUnA
Sample: IA1633STD-2.5 S/N:6693.6 Points Across peak:30



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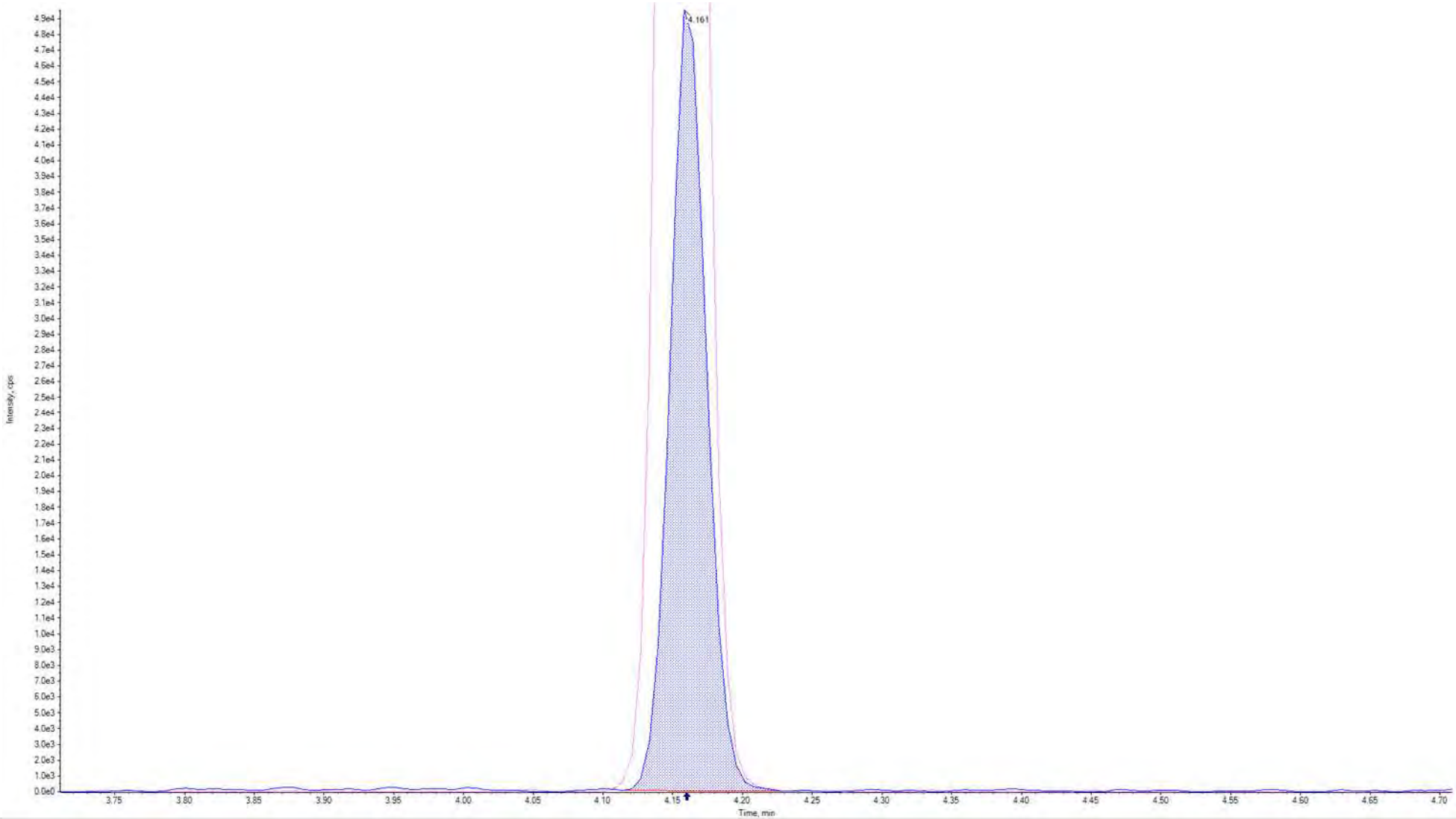
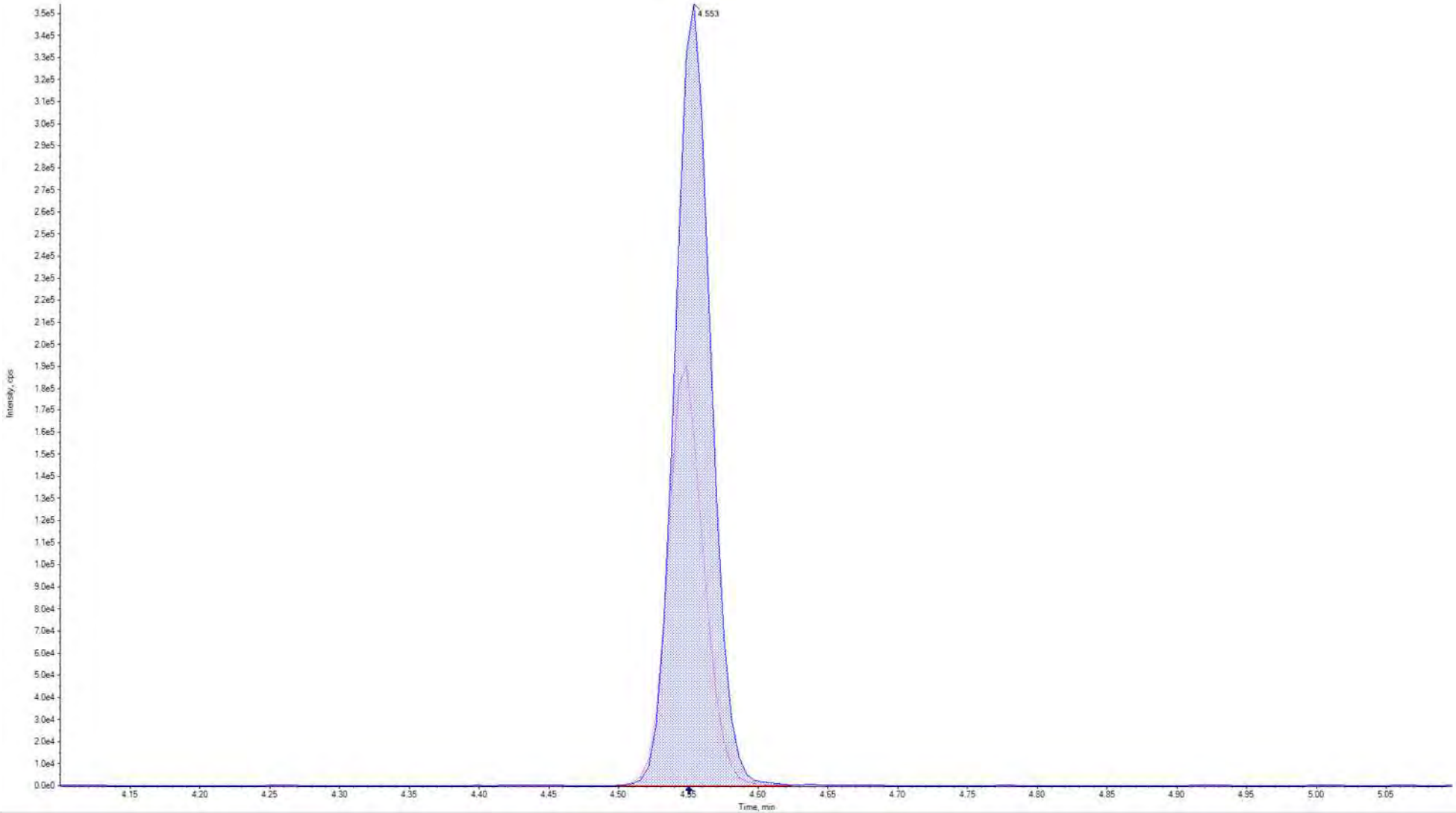
Generated: 11/12/2024 2:03:37 PM

PFUnA_2
Sample: IA1633STD-2.5 S/N:1116.4 Points Across peak:20



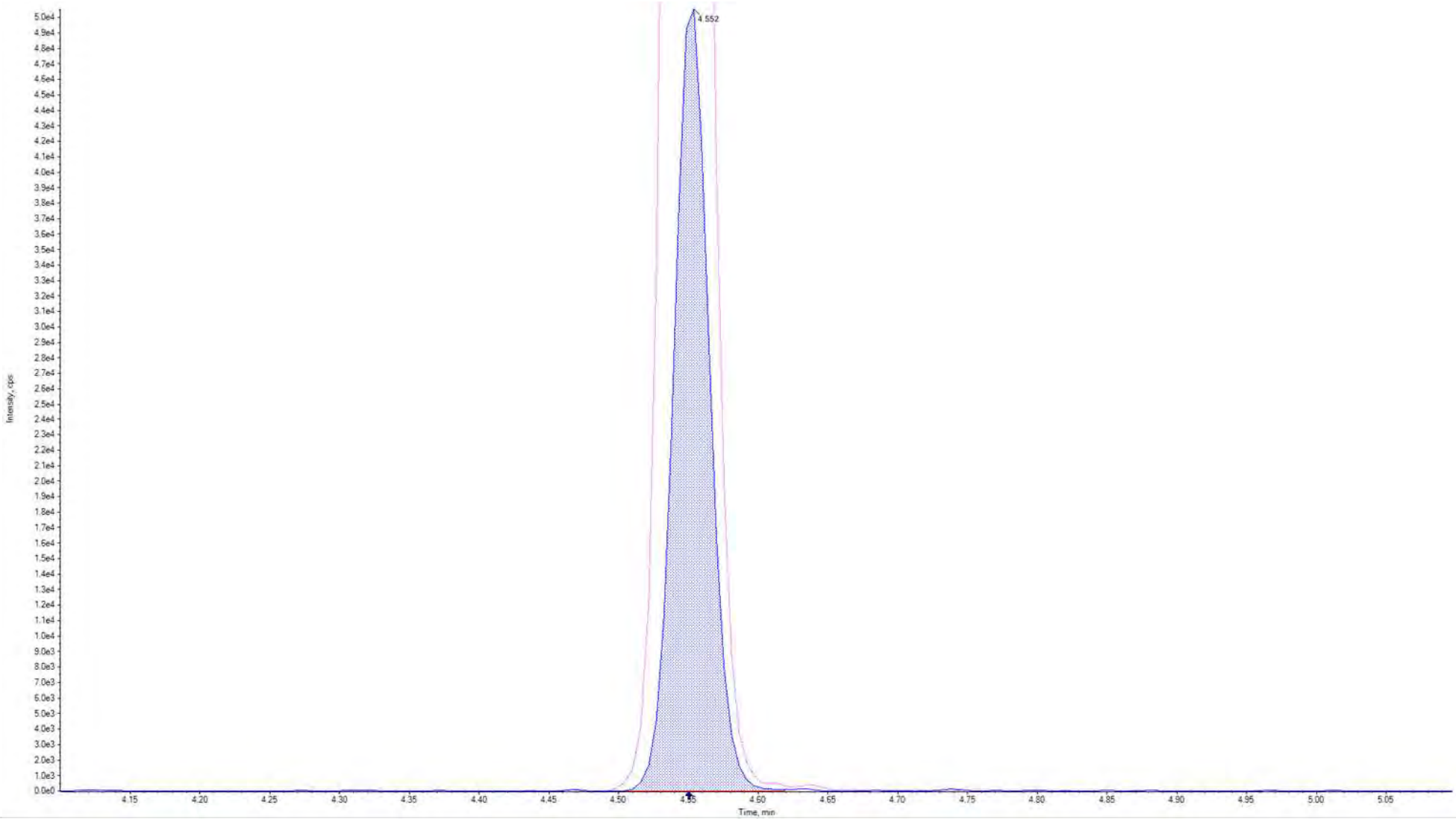
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFDoA
Sample: IA1633STD-2.5 S/N:6213.8 Points Across peak:26



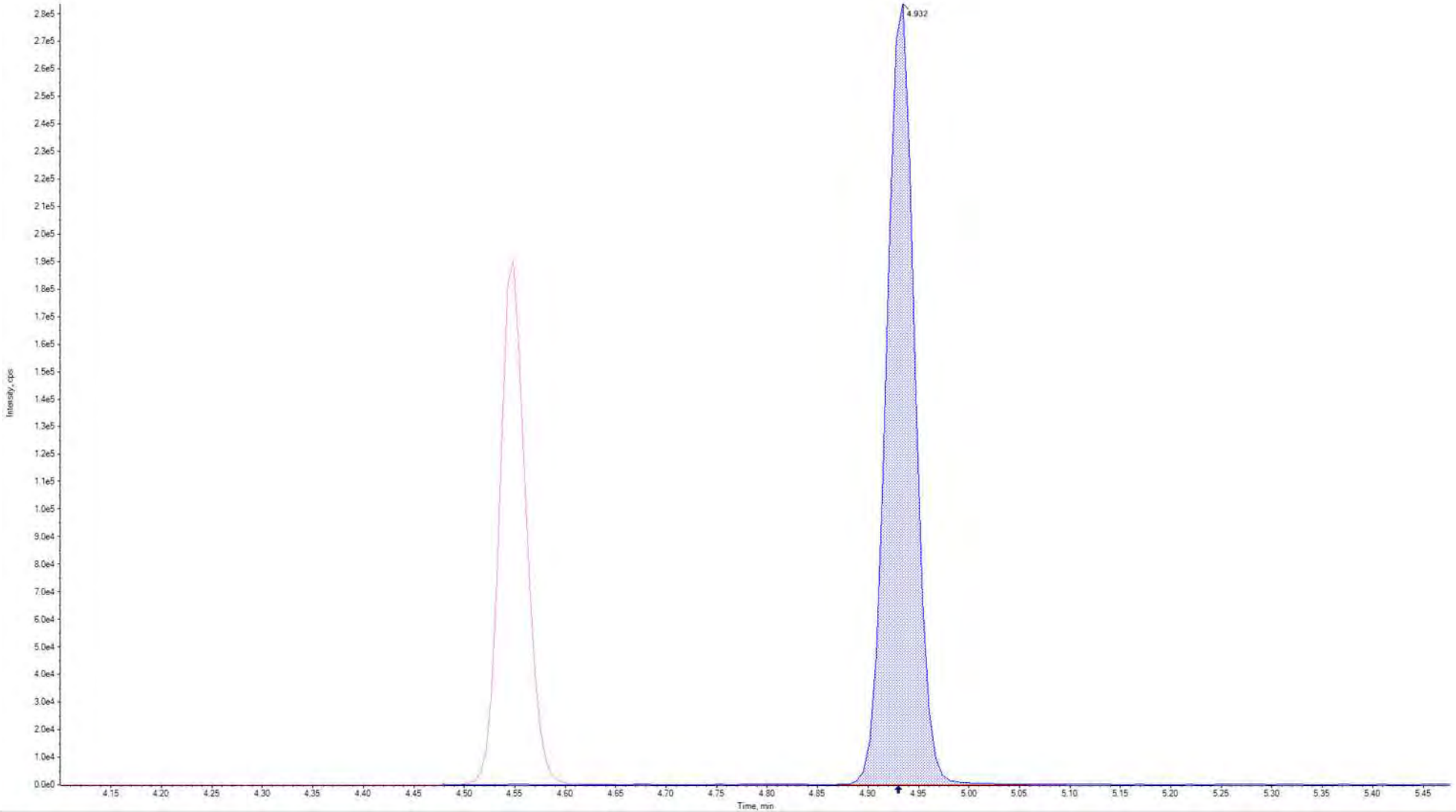
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFDoA_2
Sample: IA1633STD-2.5 S/N:1393.5 Points Across peak:24



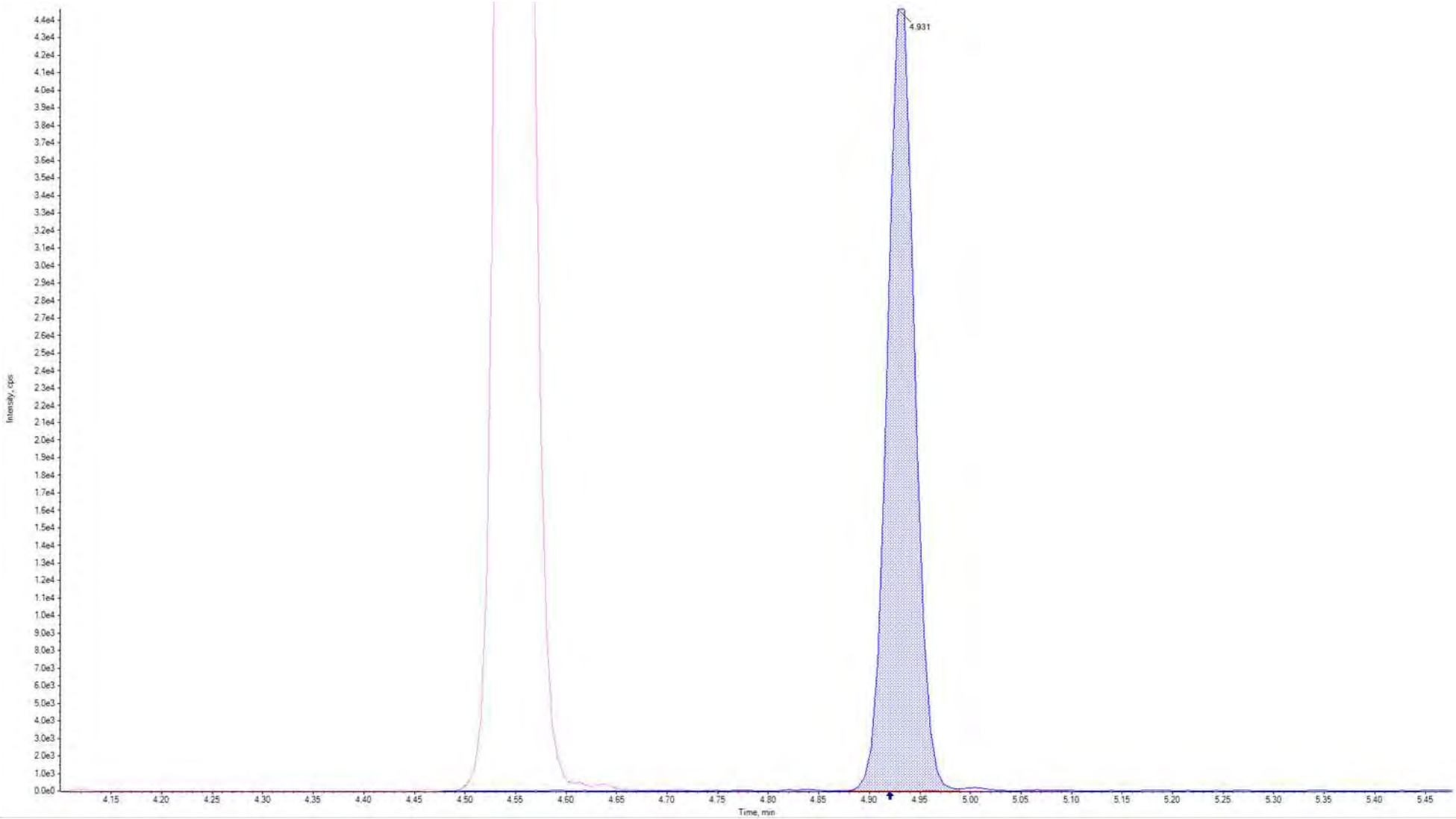
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFTrDA
Sample: IA1633STD-2.5 S/N:6281.1 Points Across peak:31



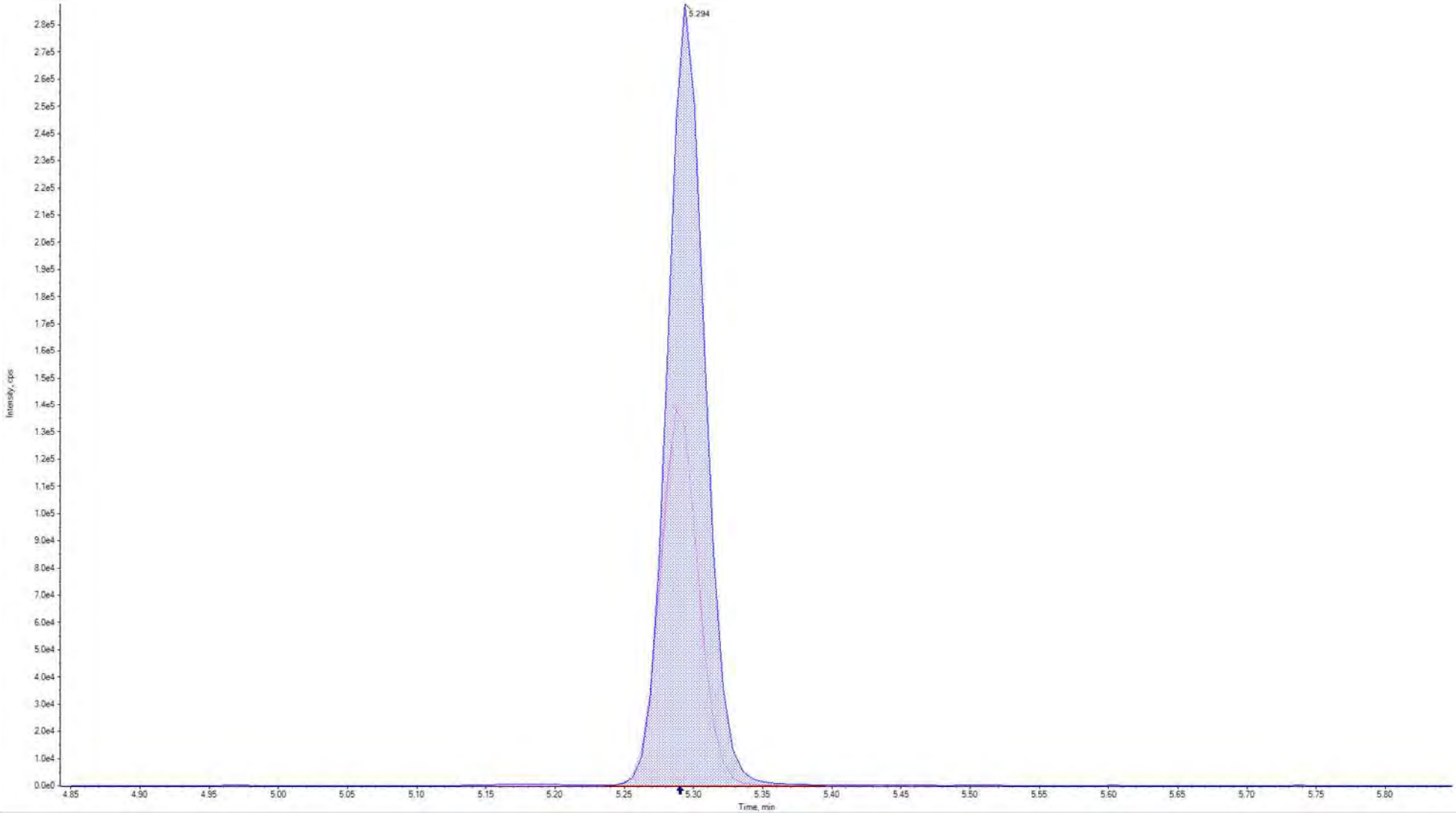
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFTrDA_2
Sample: IA1633STD-2.5 S/N:1789.6 Points Across peak:19



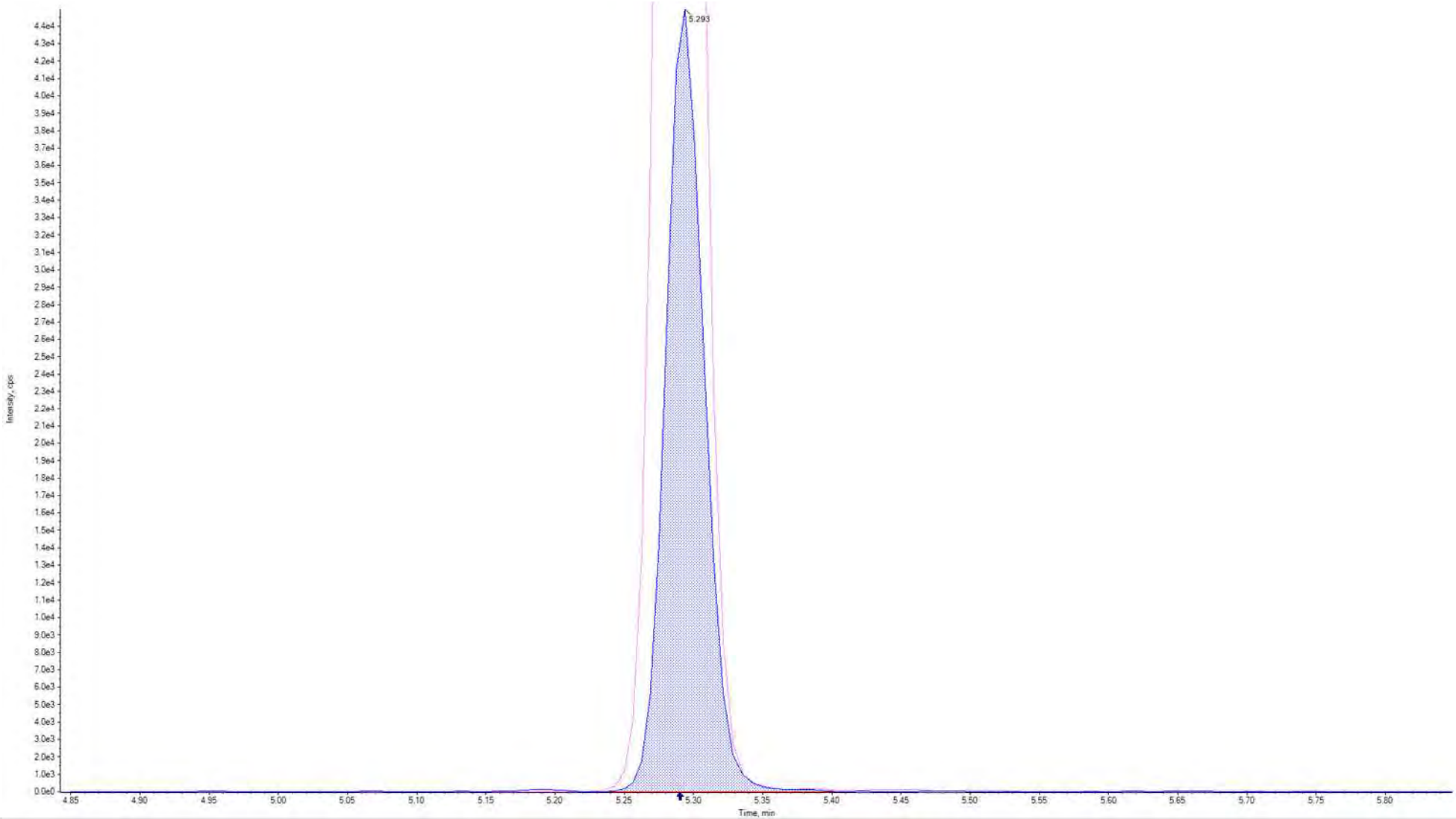
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFTeDA
Sample: IA1633STD-2.5 S/N:2751.7 Points Across peak:24



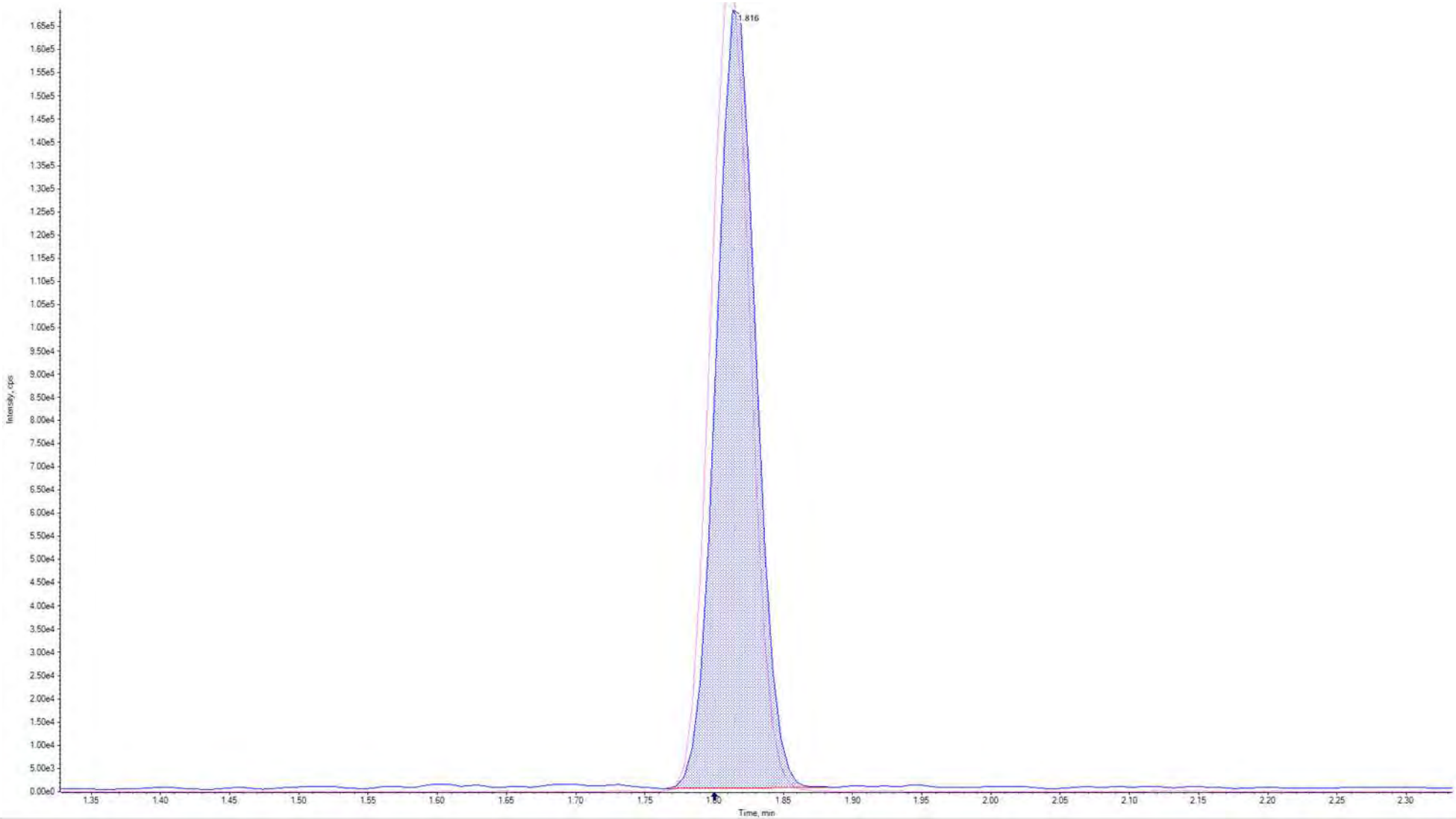
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFTeDA_2
Sample: IA1633STD-2.5 S/N:1860.9 Points Across peak:26



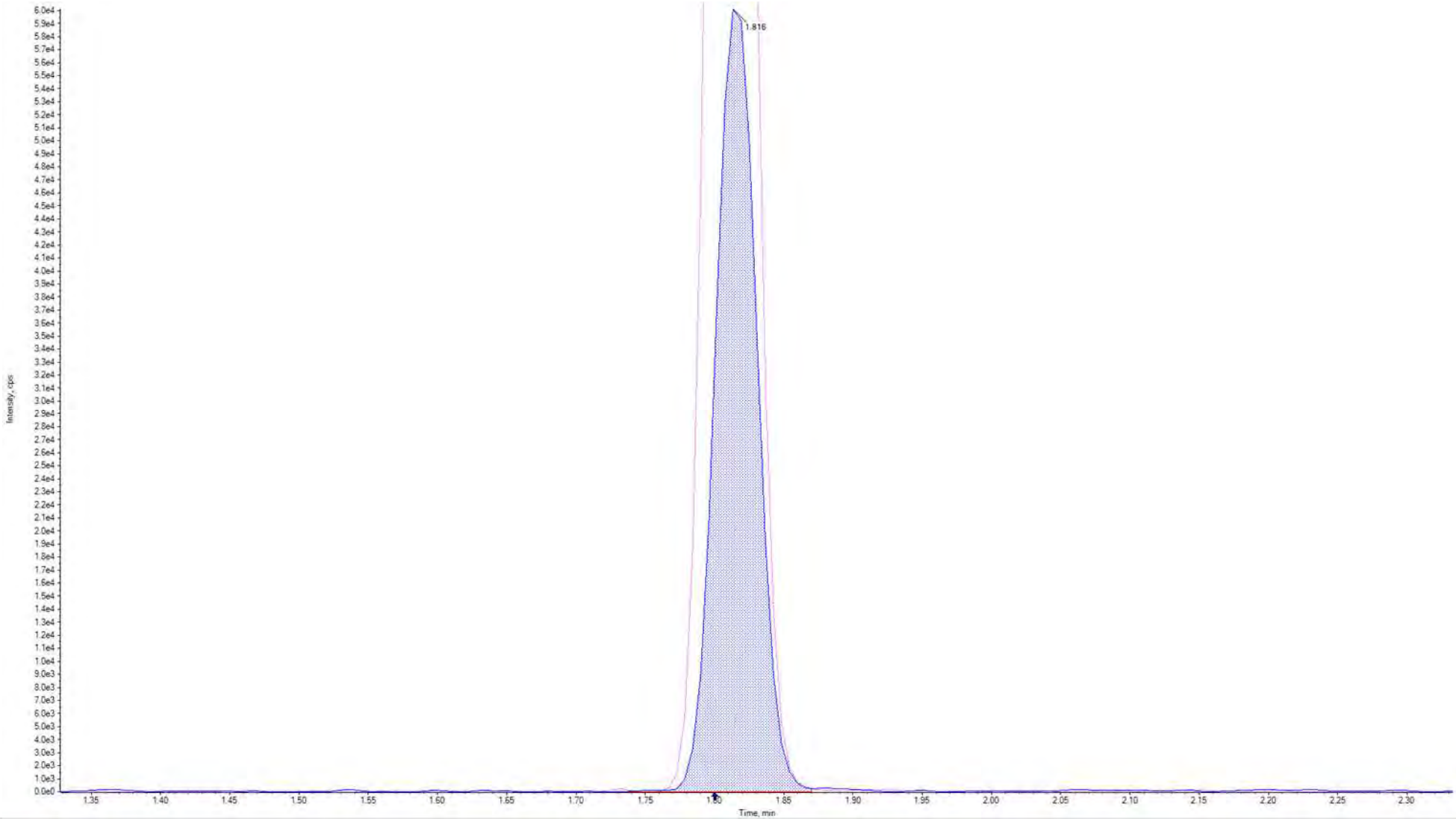
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFBS
Sample: IA1633STD-2.5 S/N:1156.9 Points Across peak:23



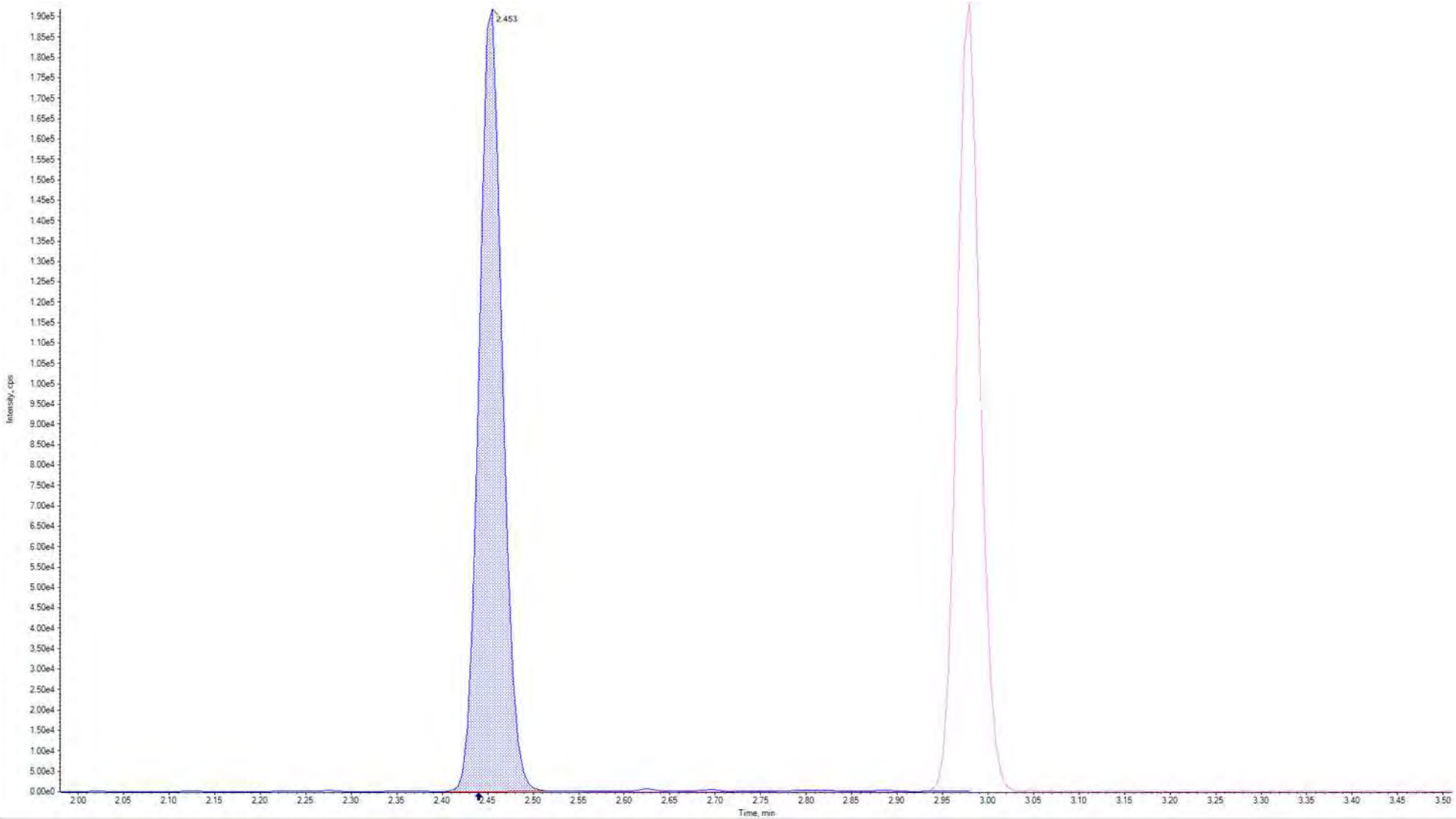
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFBS_2
Sample: IA1633STD-2.5 S/N:1506.5 Points Across peak:26



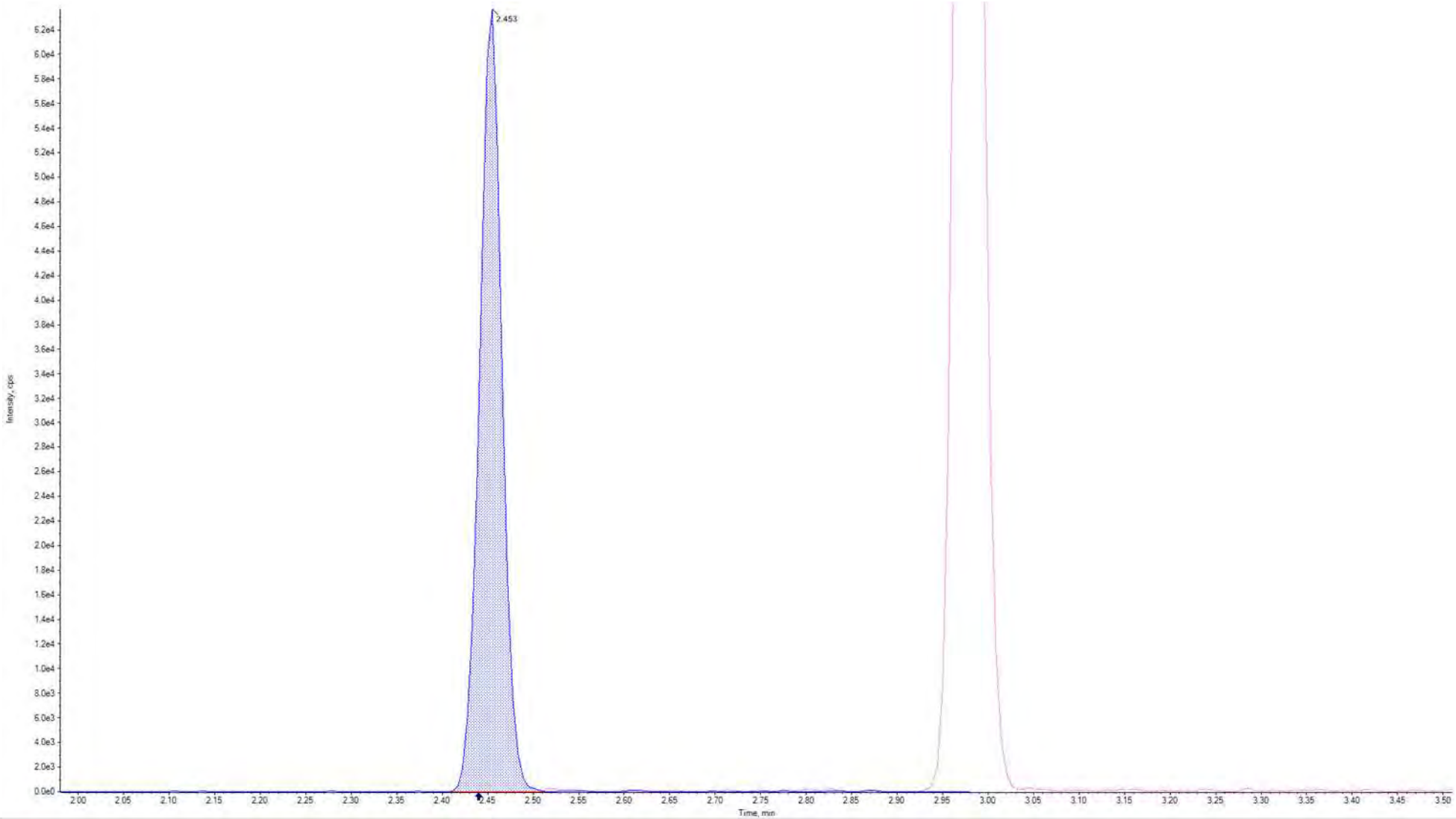
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFPeS
Sample: IA1633STD-2.5 S/N:3845.5 Points Across peak:24



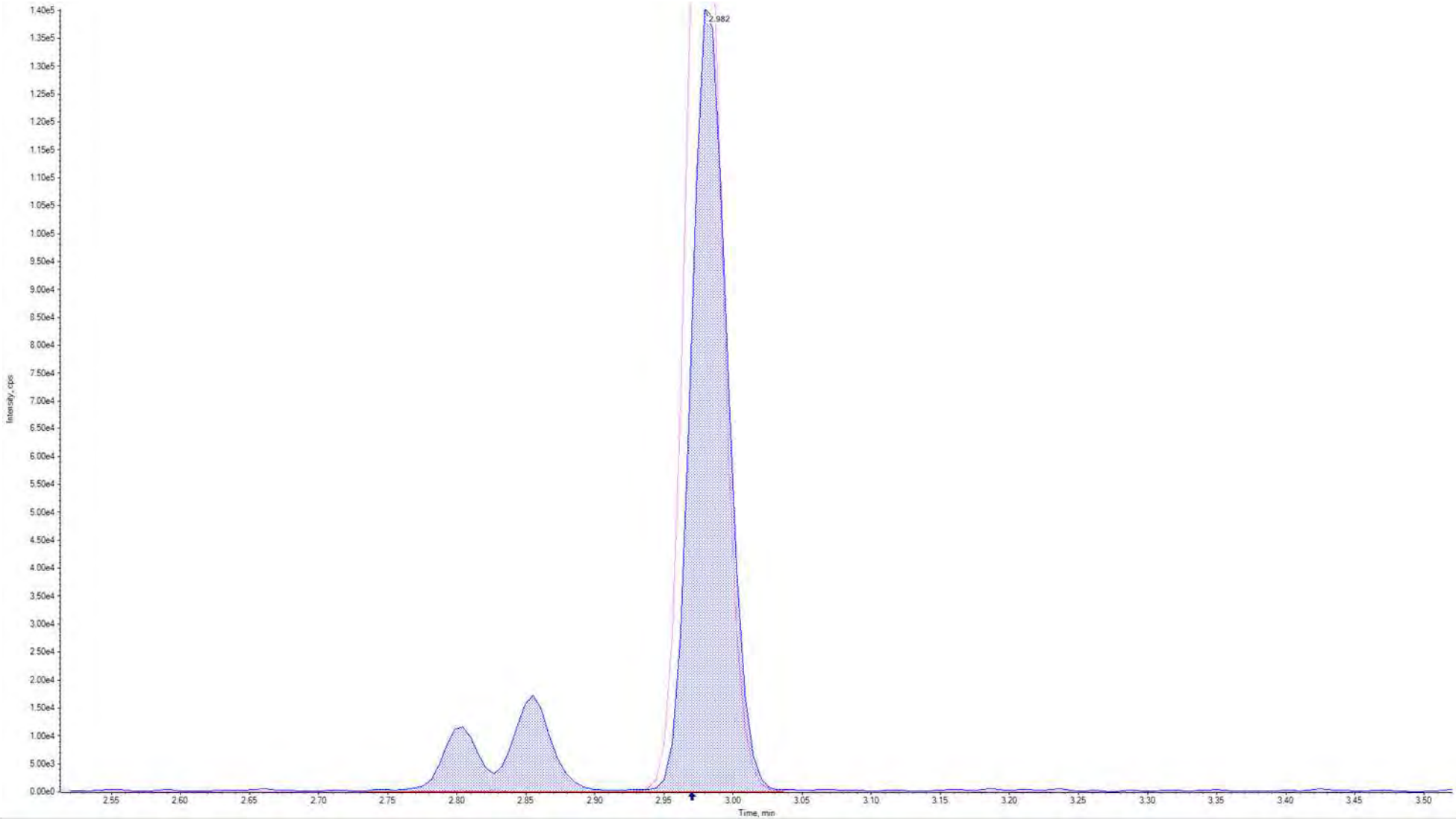
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFPeS_2
Sample: IA1633STD-2.5 S/N:1276.9 Points Across peak:24



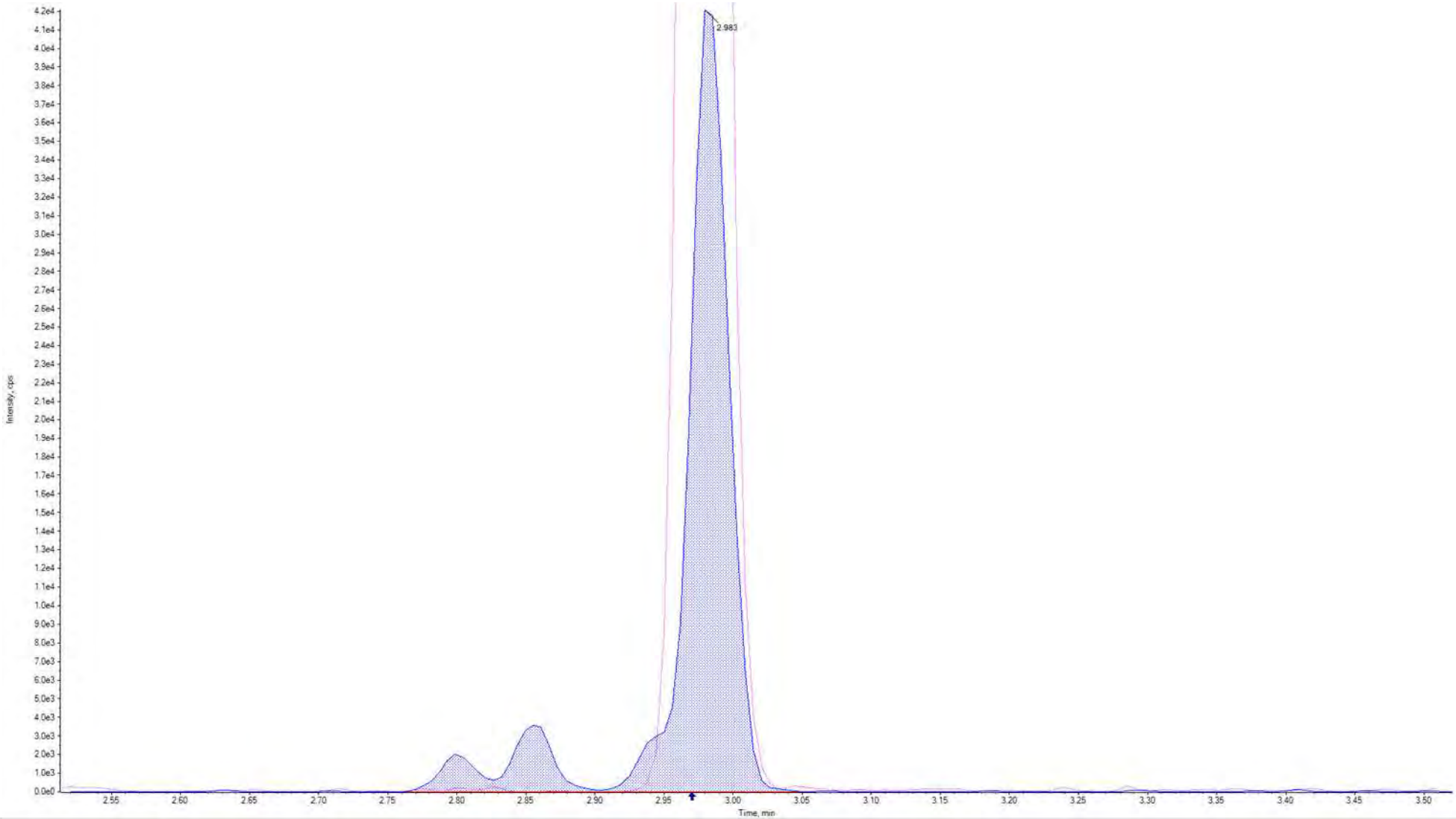
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFHxS
Sample: IA1633STD-2.5 S/N:577.5 Points Across peak:53



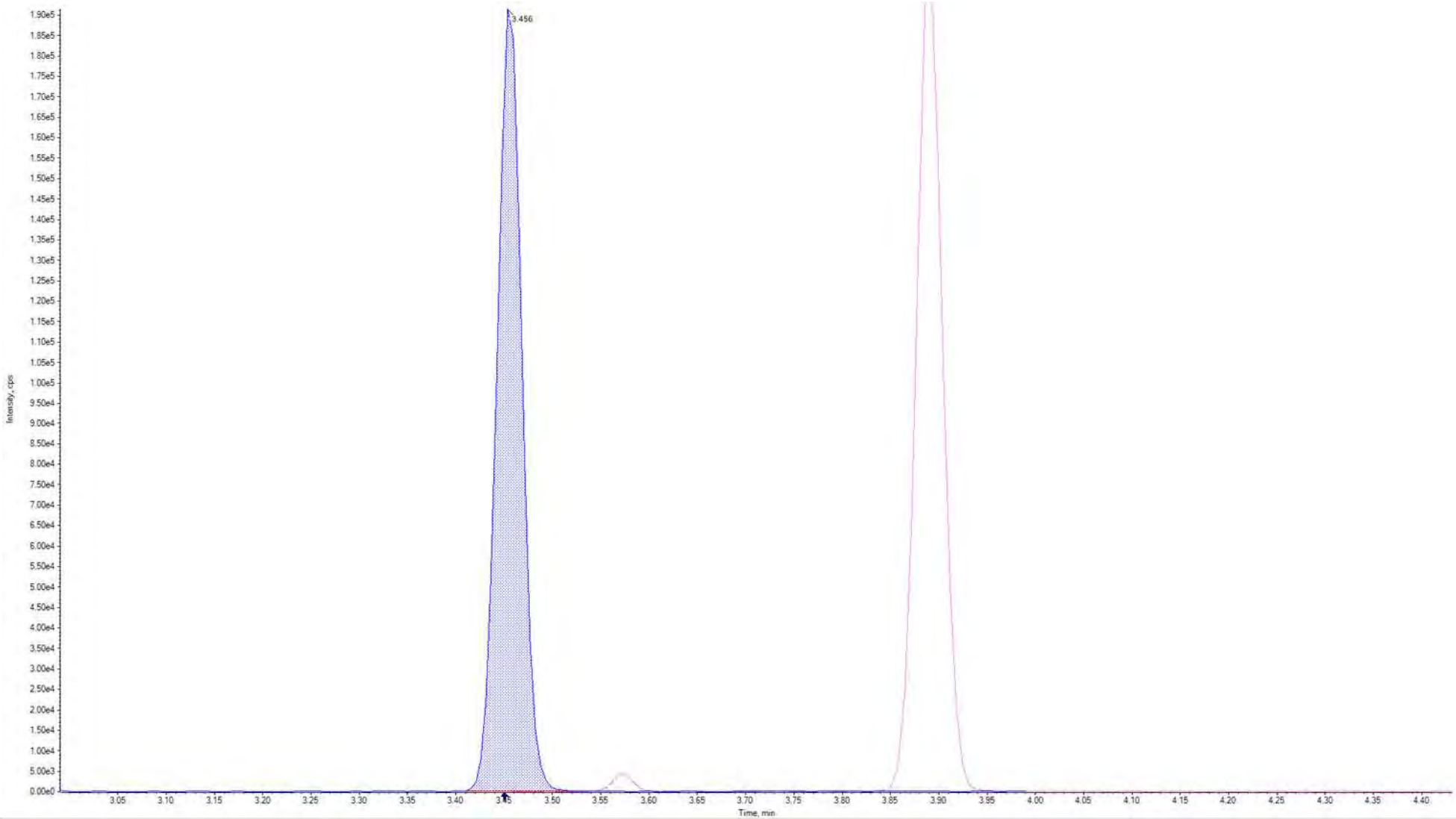
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFHxS_2
Sample: IA1633STD-2.5 S/N:912.2 Points Across peak:52



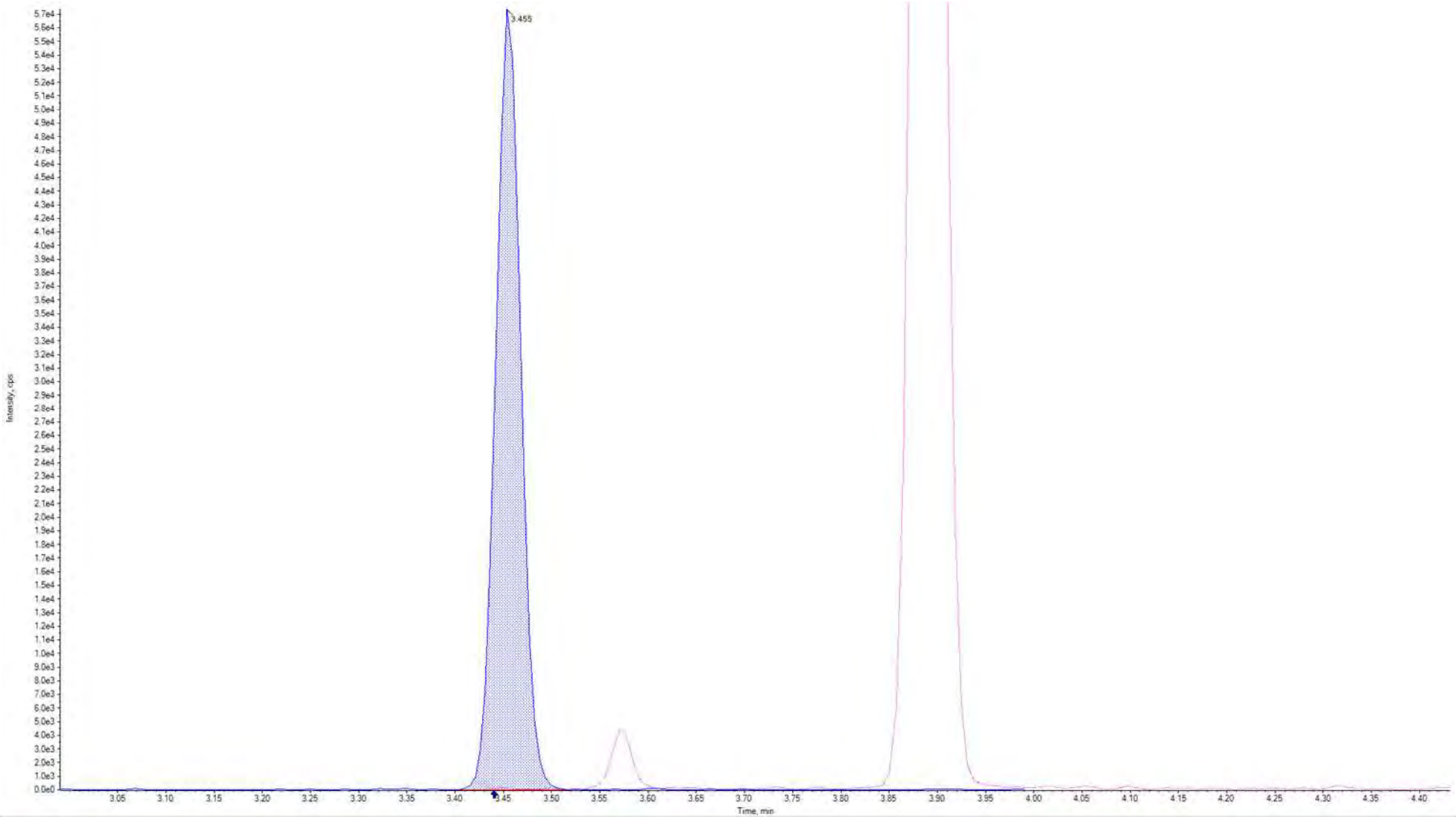
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFHpS
Sample: IA1633STD-2.5 S/N:3836.8 Points Across peak:29



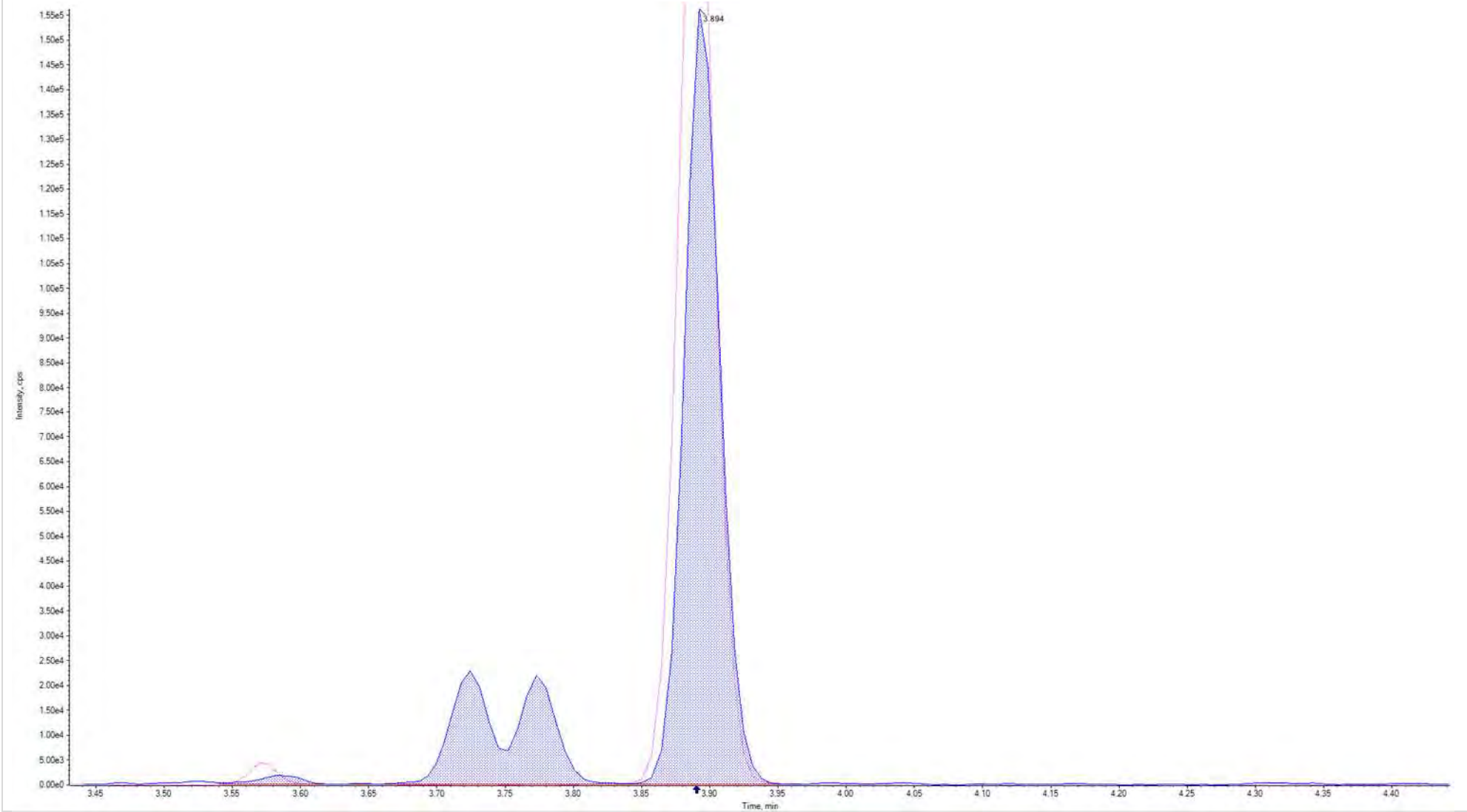
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFHpS_2
Sample: IA1633STD-2.5 S/N:1150.6 Points Across peak:23



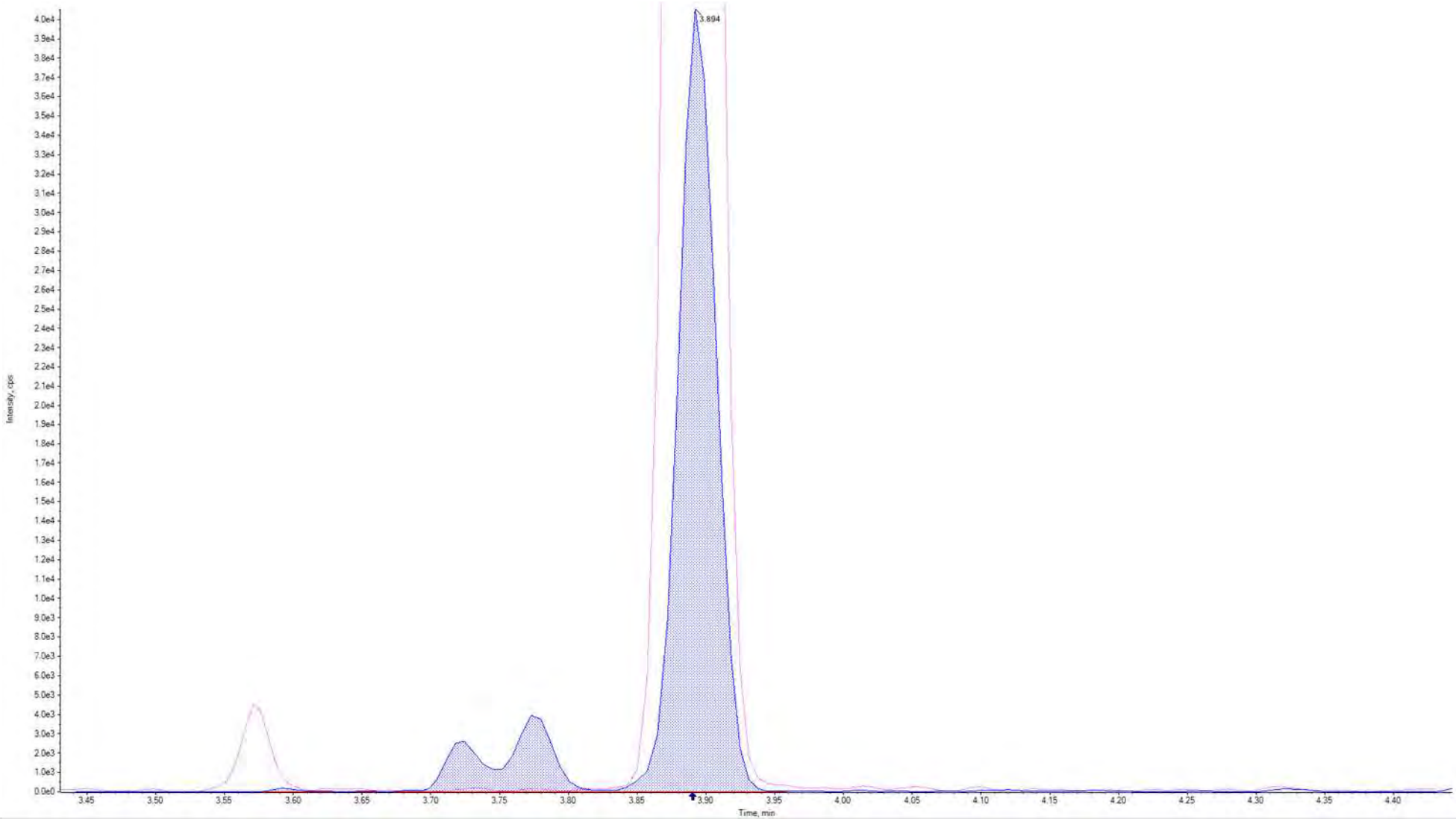
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFOS
Sample: IA1633STD-2.5 S/N:441.7 Points Across peak:70



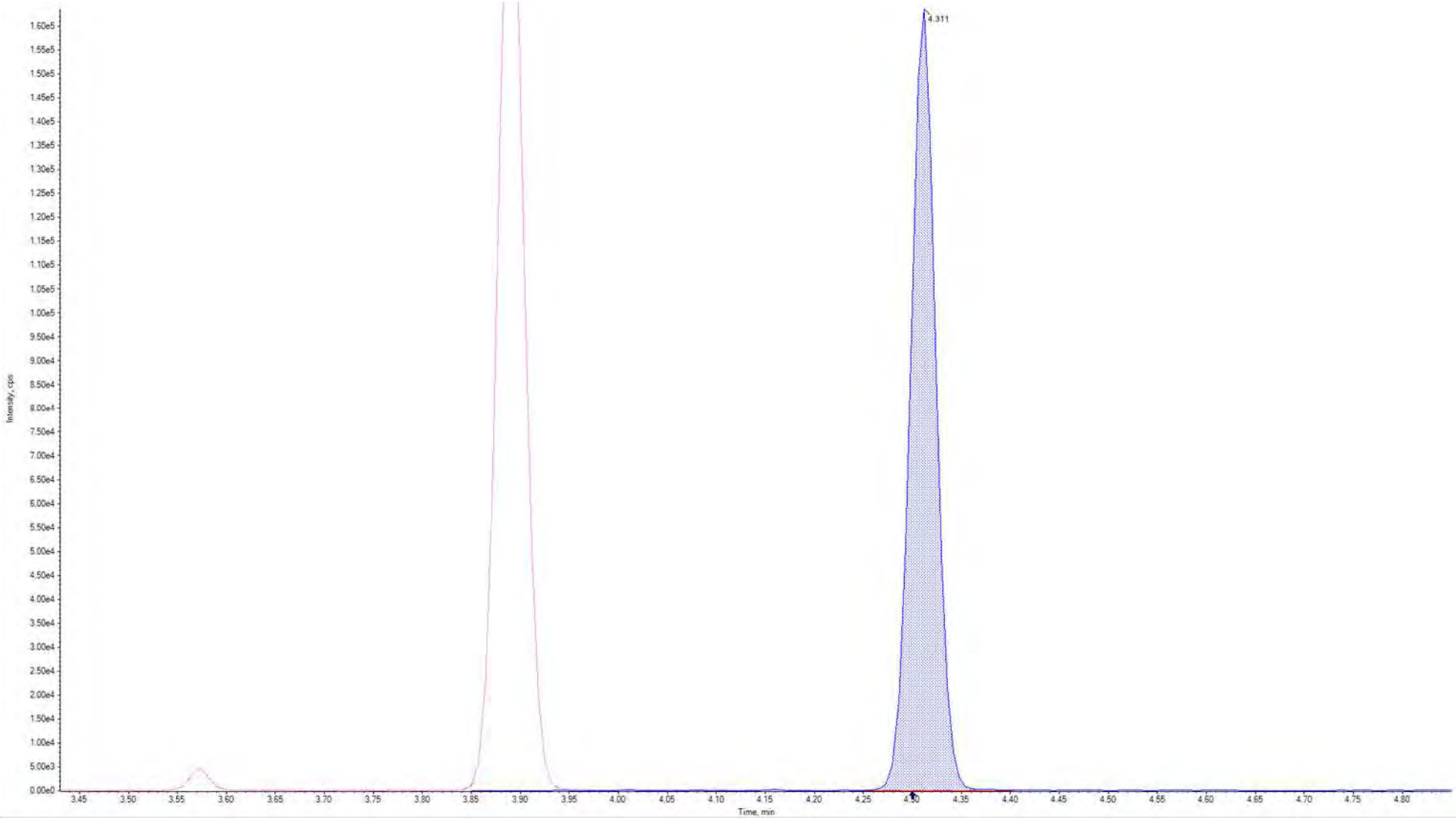
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFOS_2
Sample: IA1633STD-2.5 S/N:648.7 Points Across peak:63



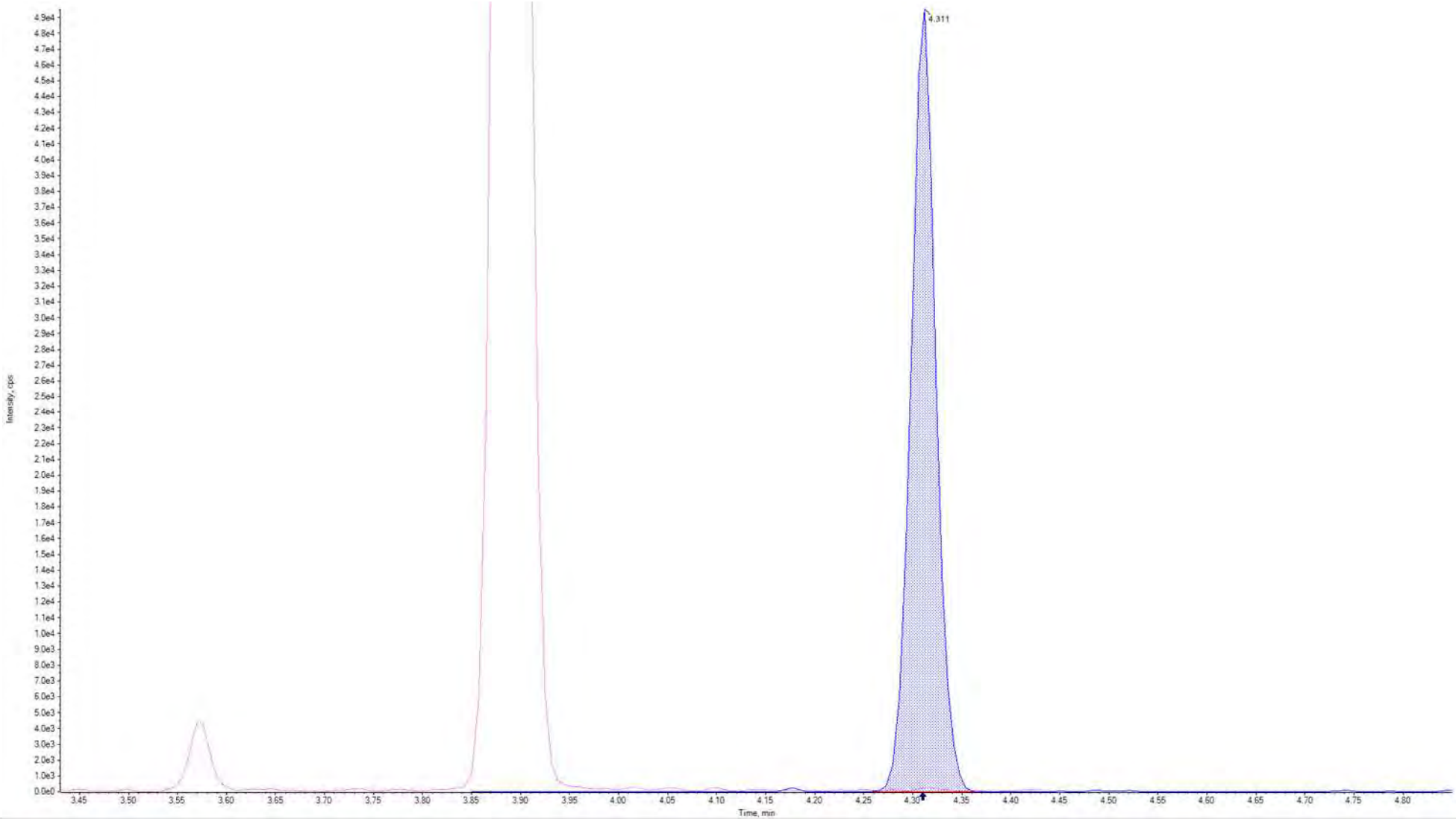
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFNS
Sample: IA1633STD-2.5 S/N:4098.8 Points Across peak:26



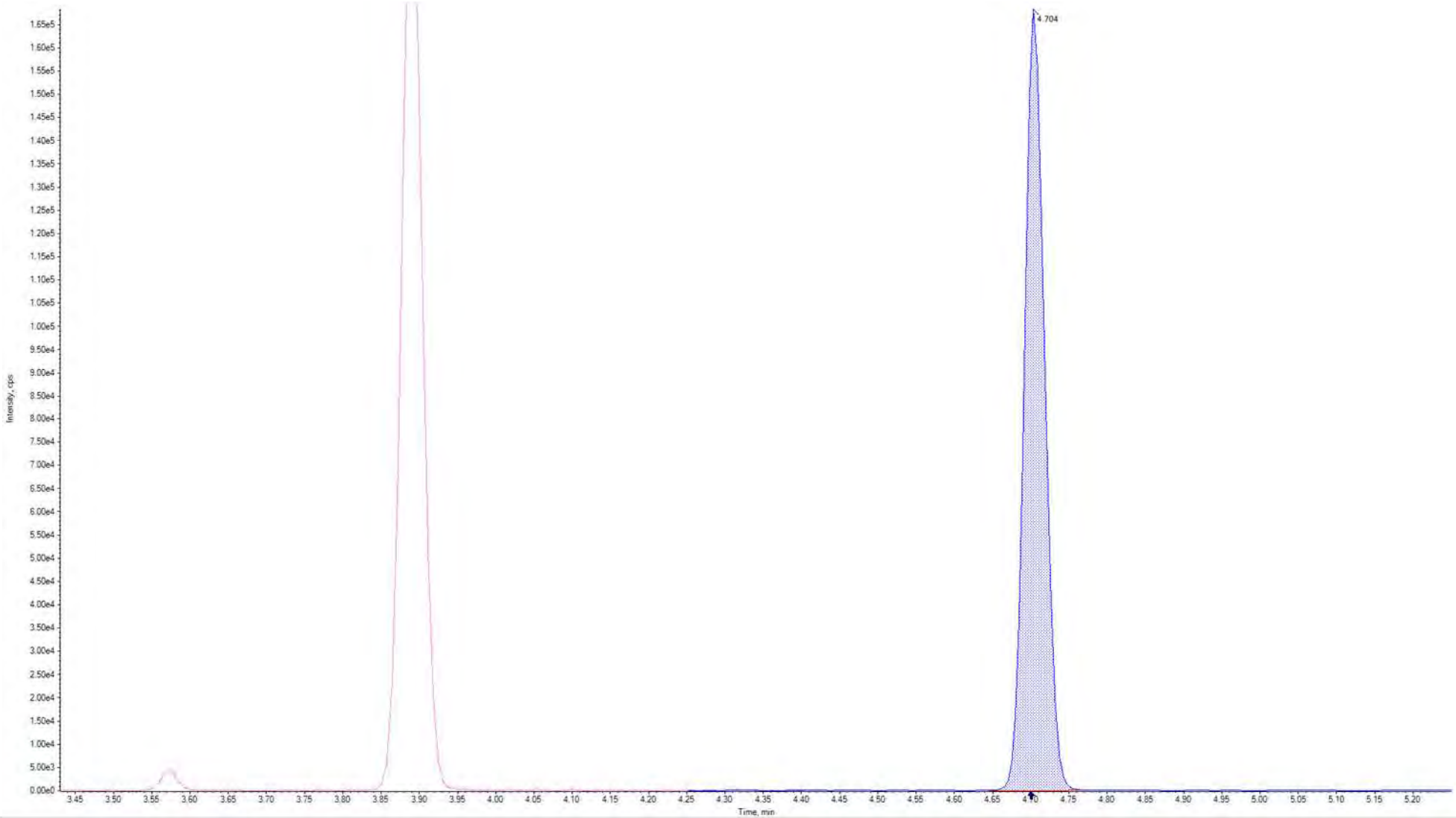
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFNS_2
Sample: IA1633STD-2.5 S/N:1241.5 Points Across peak:29



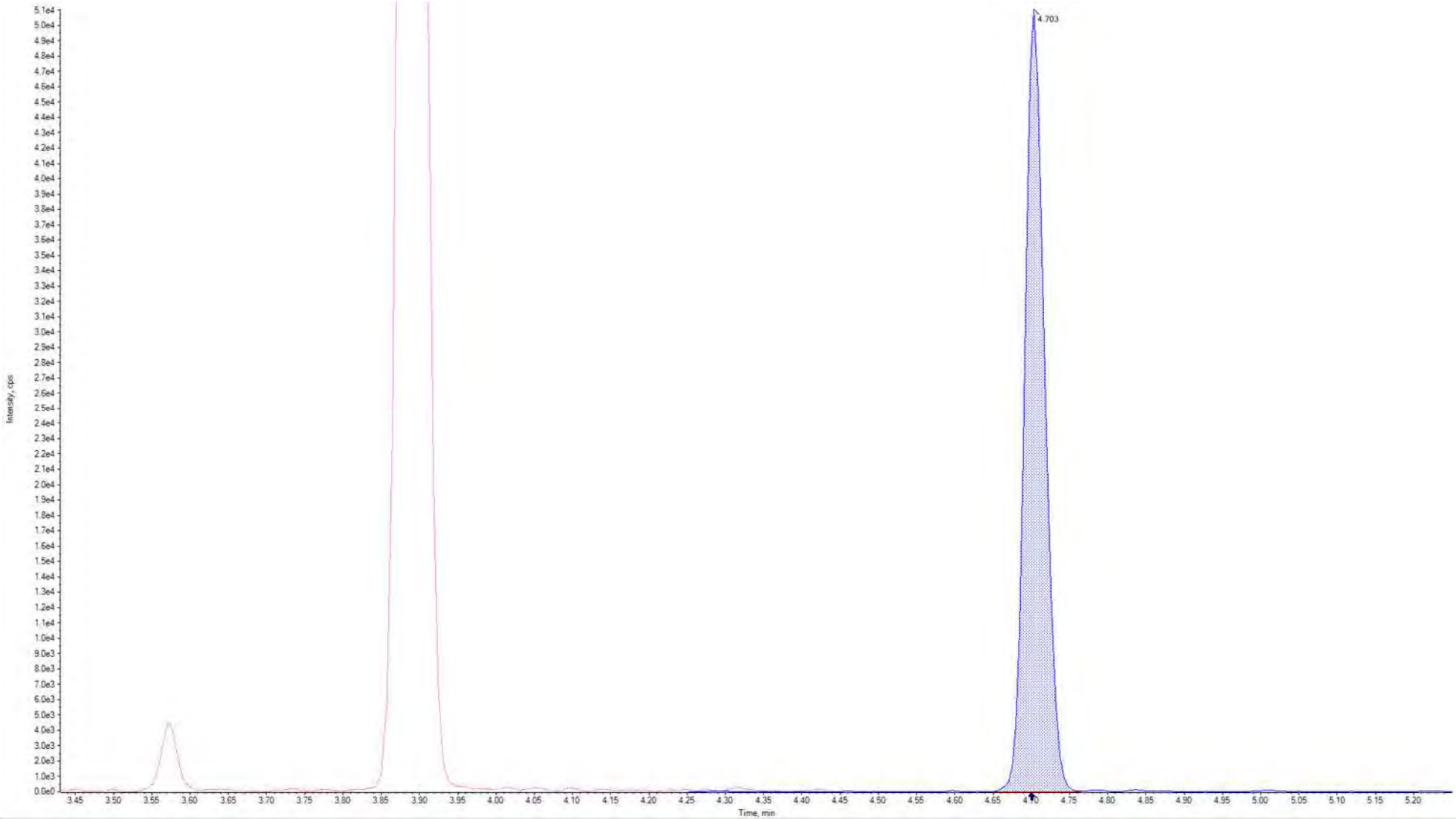
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFDS
Sample: IA1633STD-2.5 S/N:5904.2 Points Across peak:31



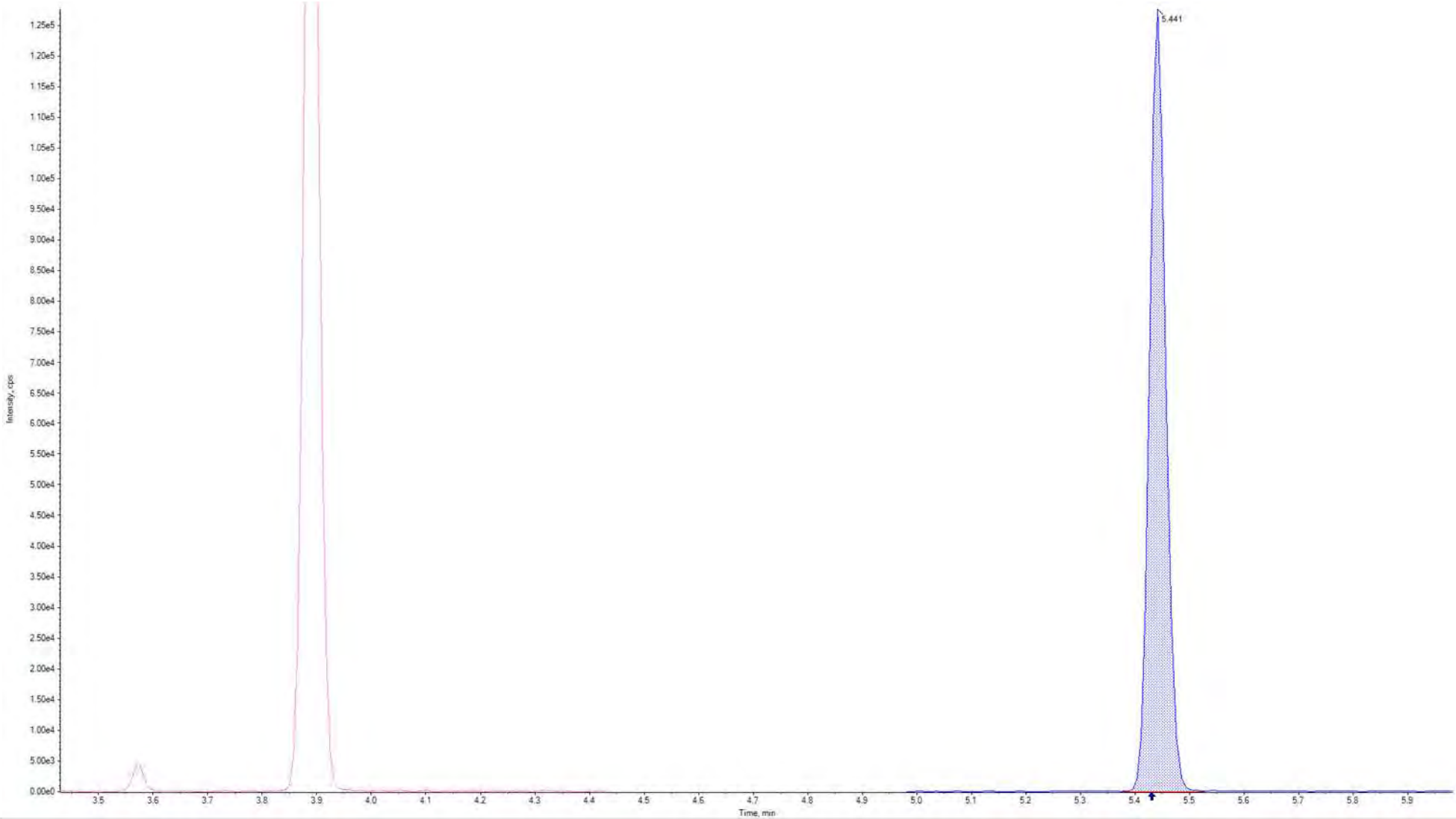
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFDS_2
Sample: IA1633STD-2.5 S/N:1791.8 Points Across peak:24



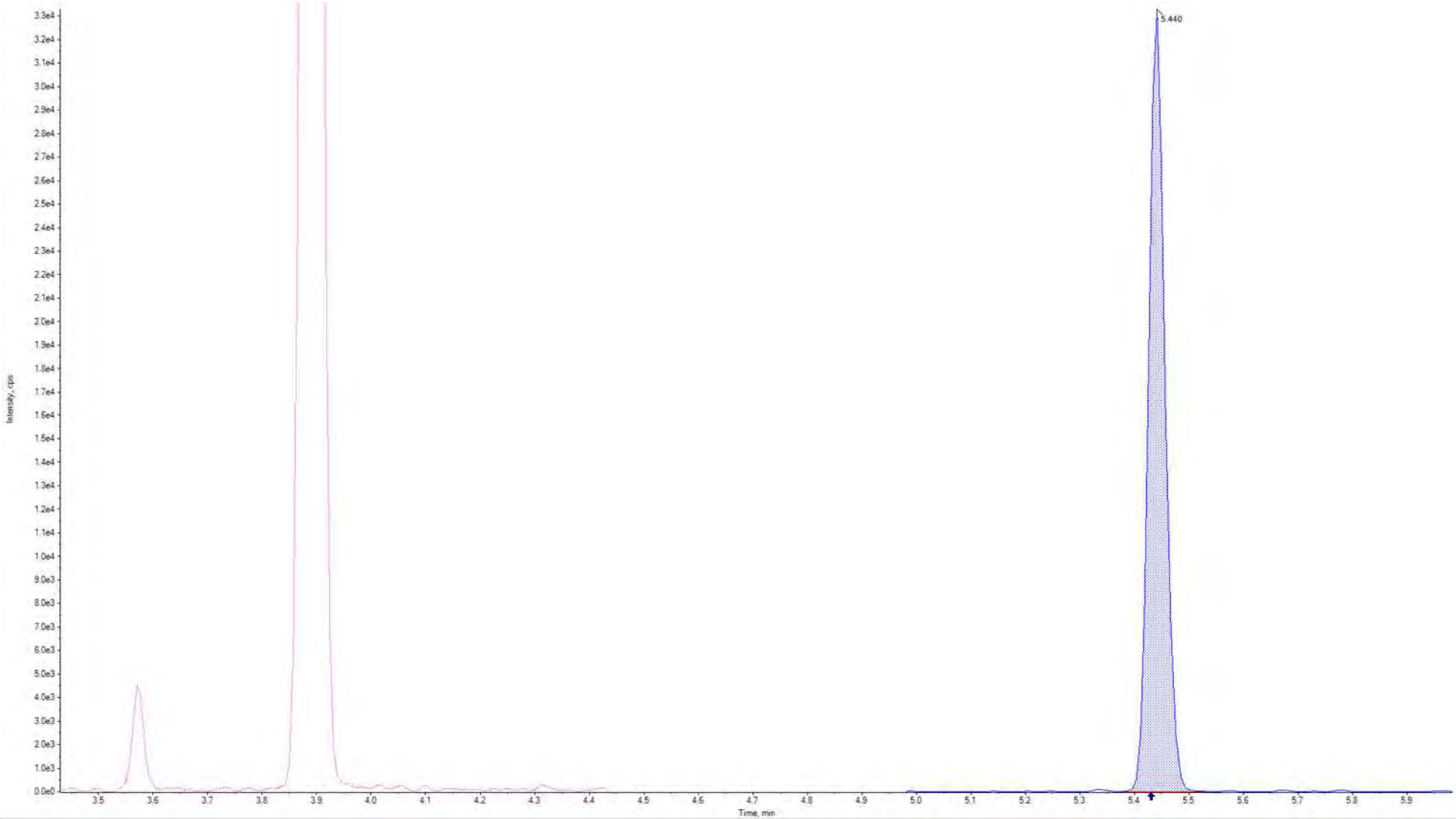
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFDoS
Sample: IA1633STD-2.5 S/N:5481.7 Points Across peak:20



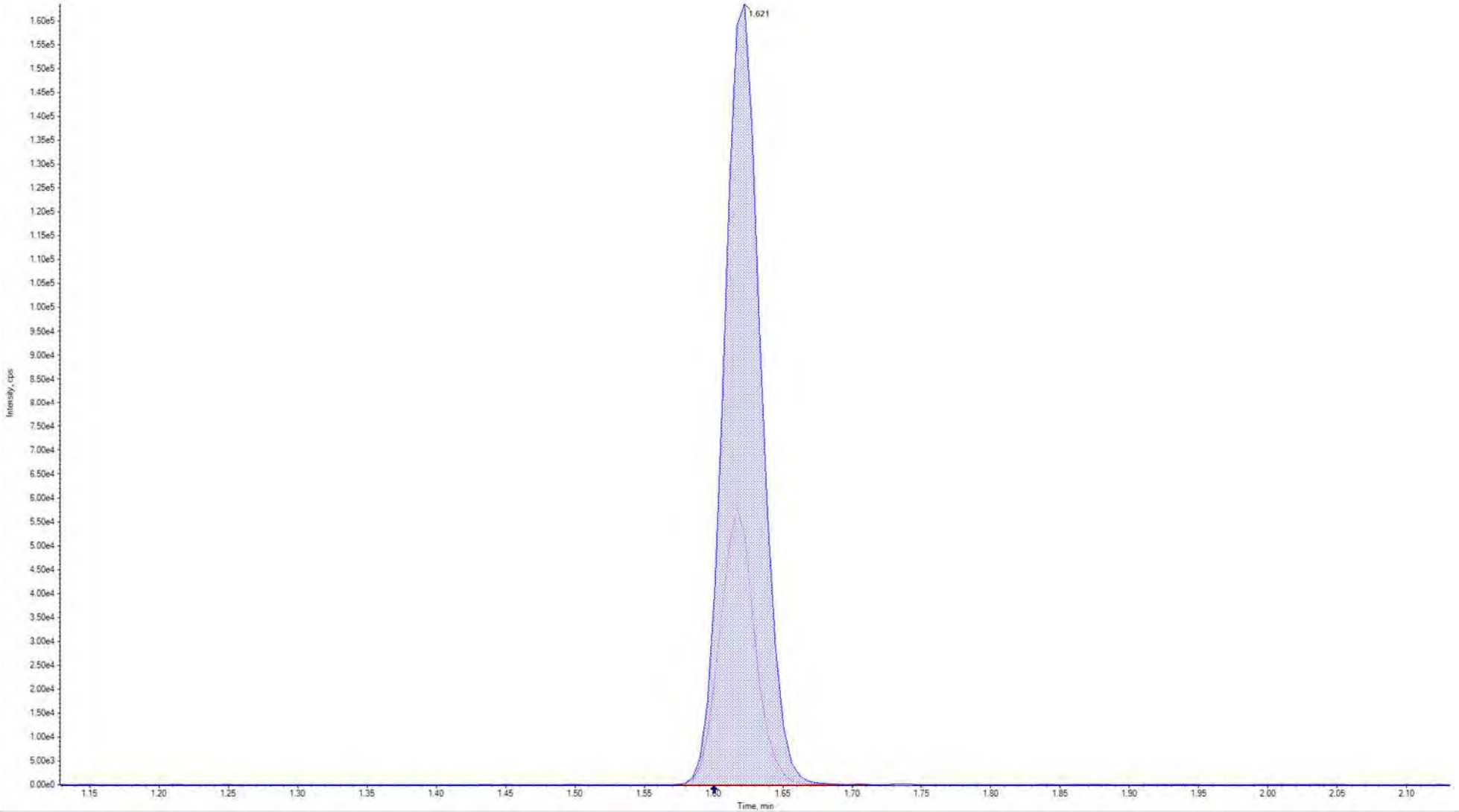
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFDoS_2
Sample: IA1633STD-2.5 S/N:2345.8 Points Across peak:21



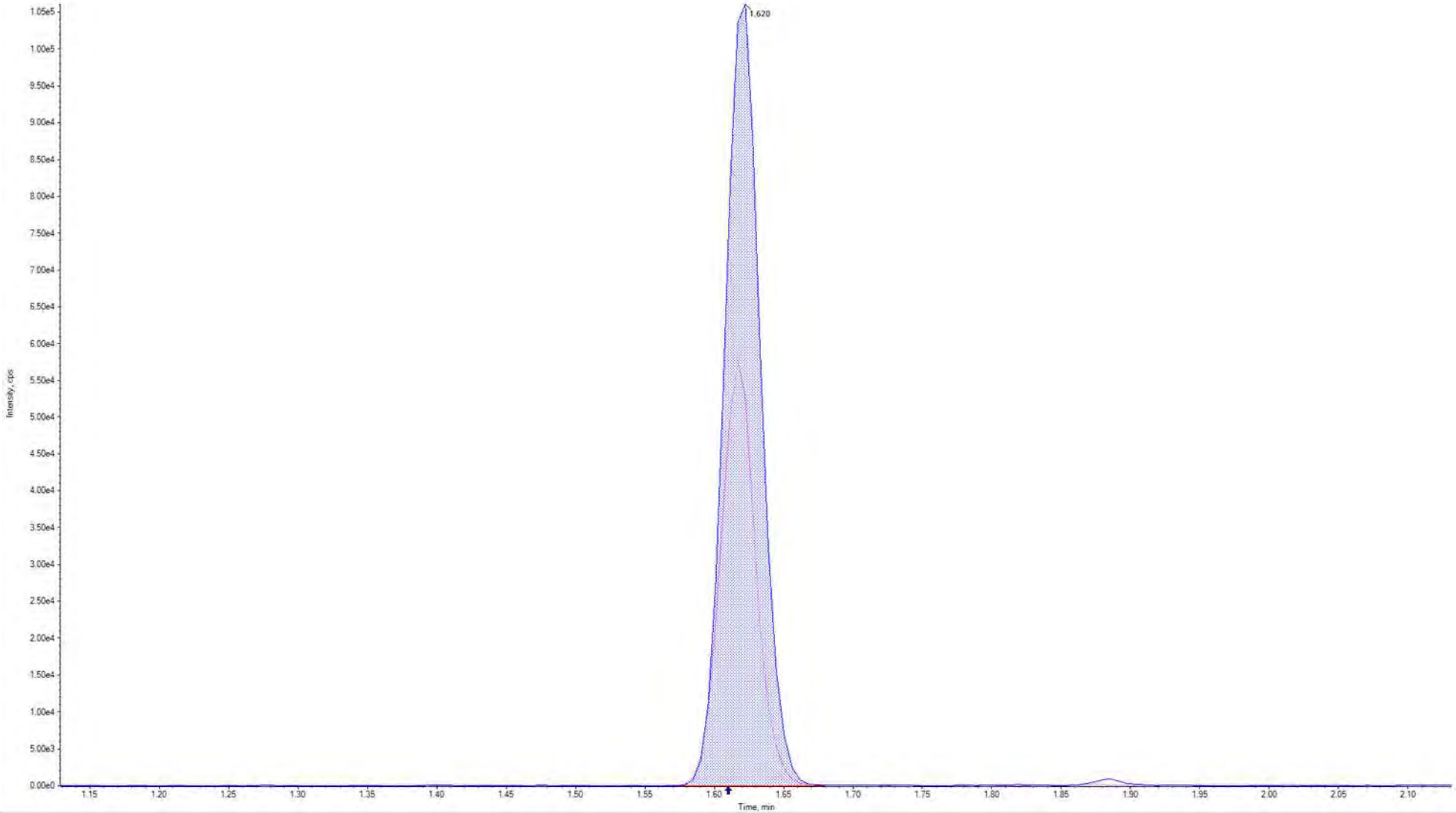
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

4:2FTS
Sample: IA1633STD-2.5 S/N:6149.1 Points Across peak:31



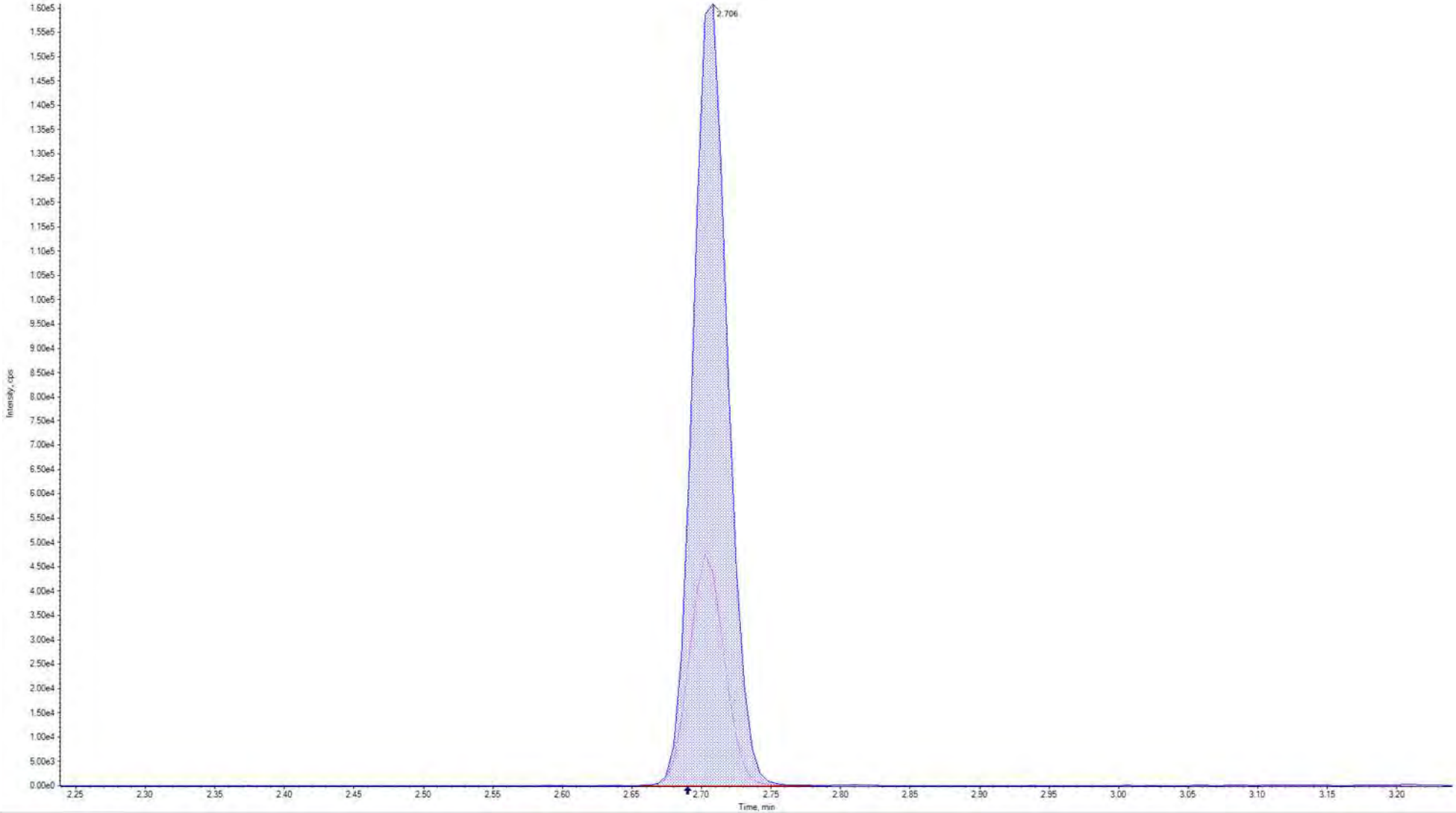
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

4:2FTS_2
Sample: IA1633STD-2.5 S/N:3159.6 Points Across peak:22



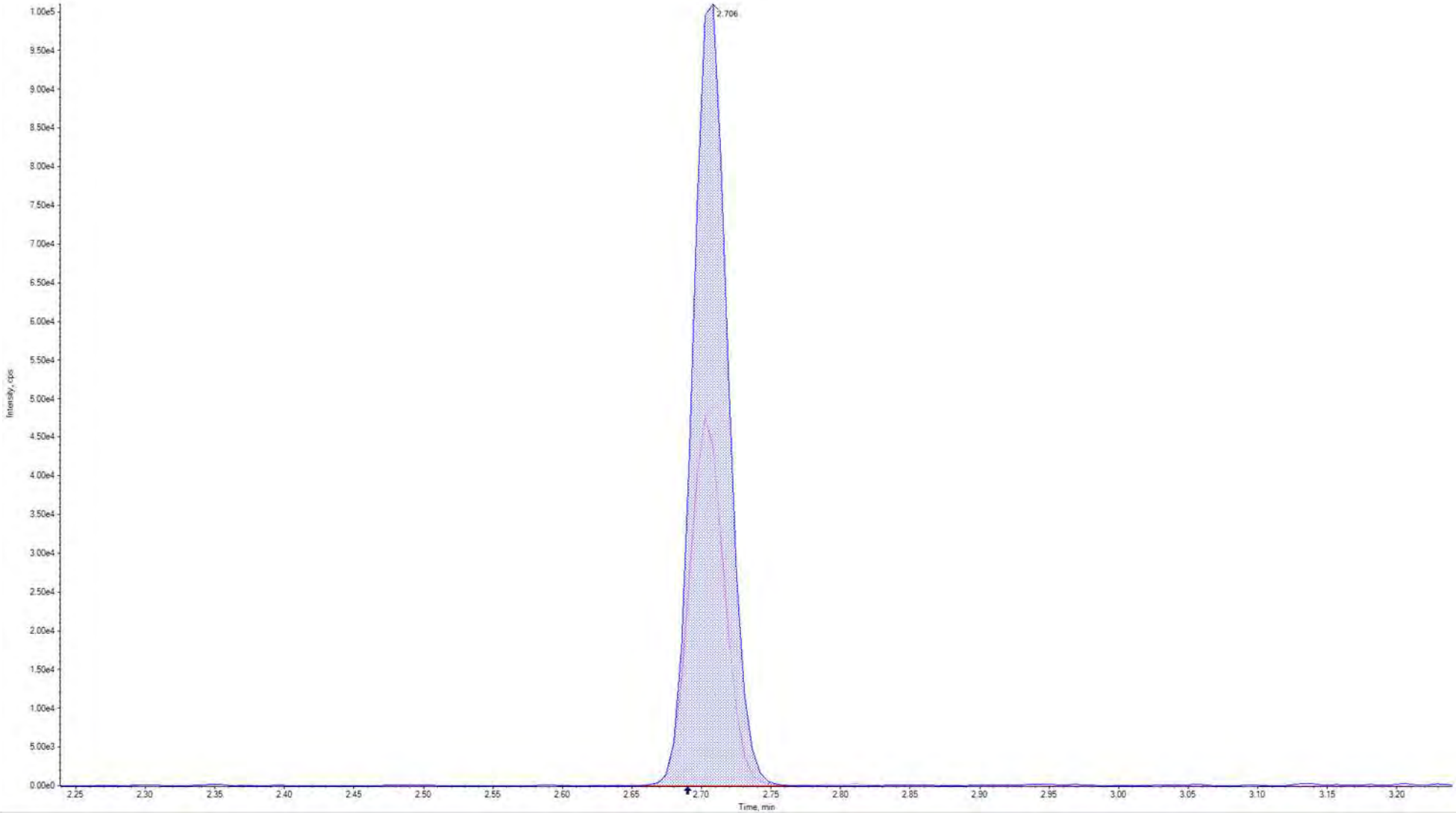
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

6:2FTS
Sample: IA1633STD-2.5 S/N:3225.3 Points Across peak:26



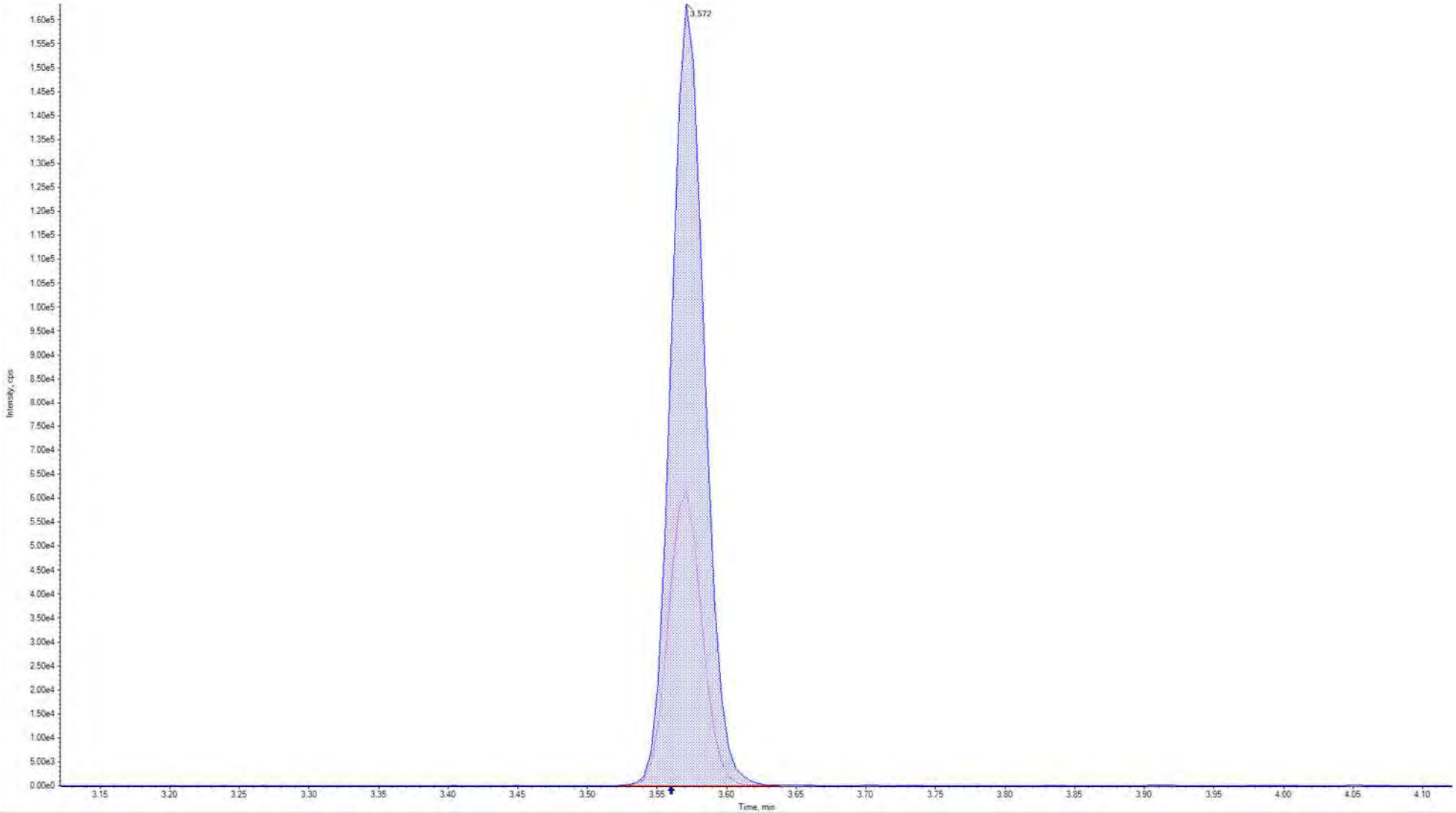
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

6:2FTS_2
Sample: IA1633STD-2.5 S/N:2025.6 Points Across peak:24



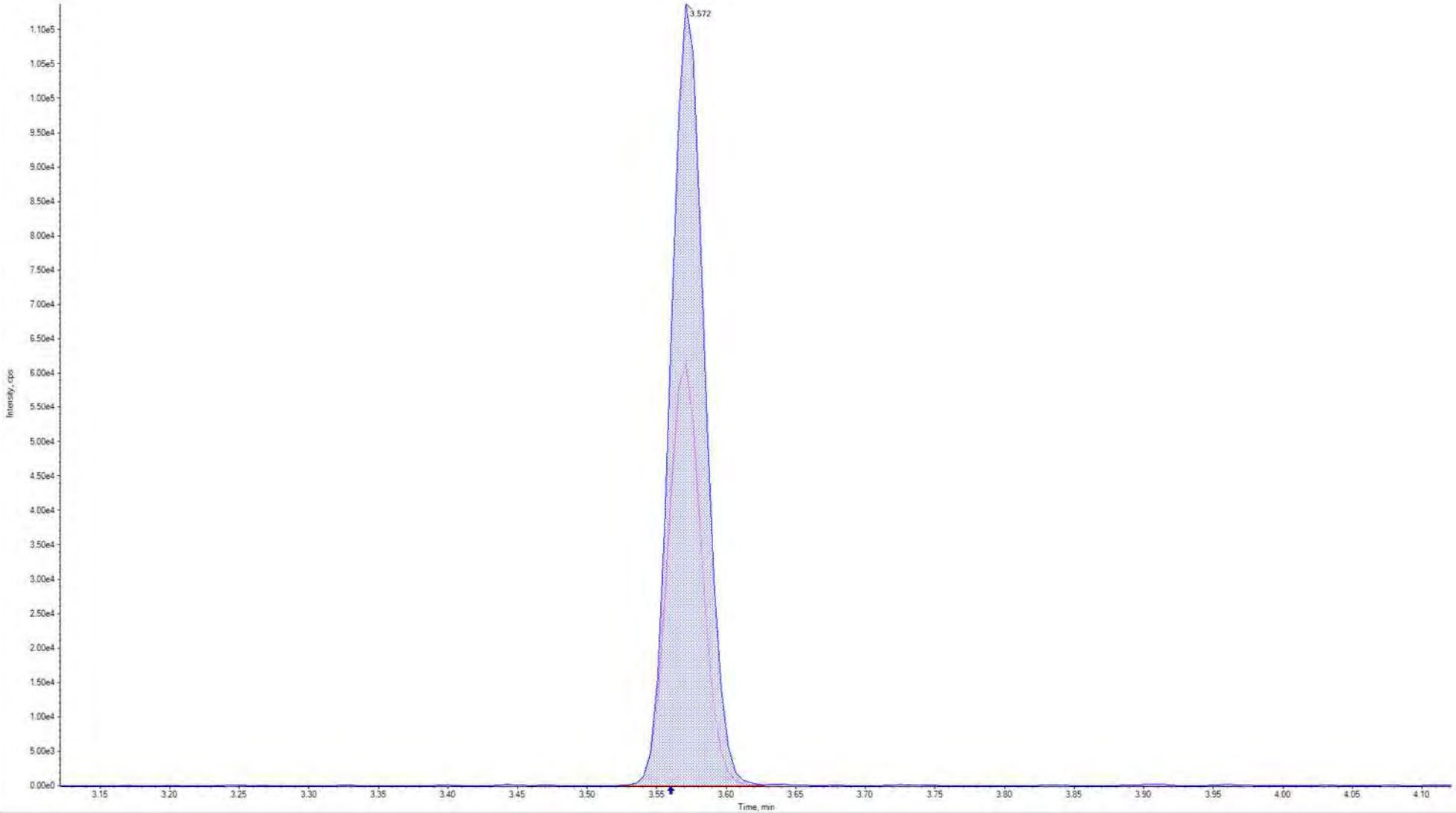
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

8:2FTS
Sample: IA1633STD-2.5 S/N:3275.3 Points Across peak:33



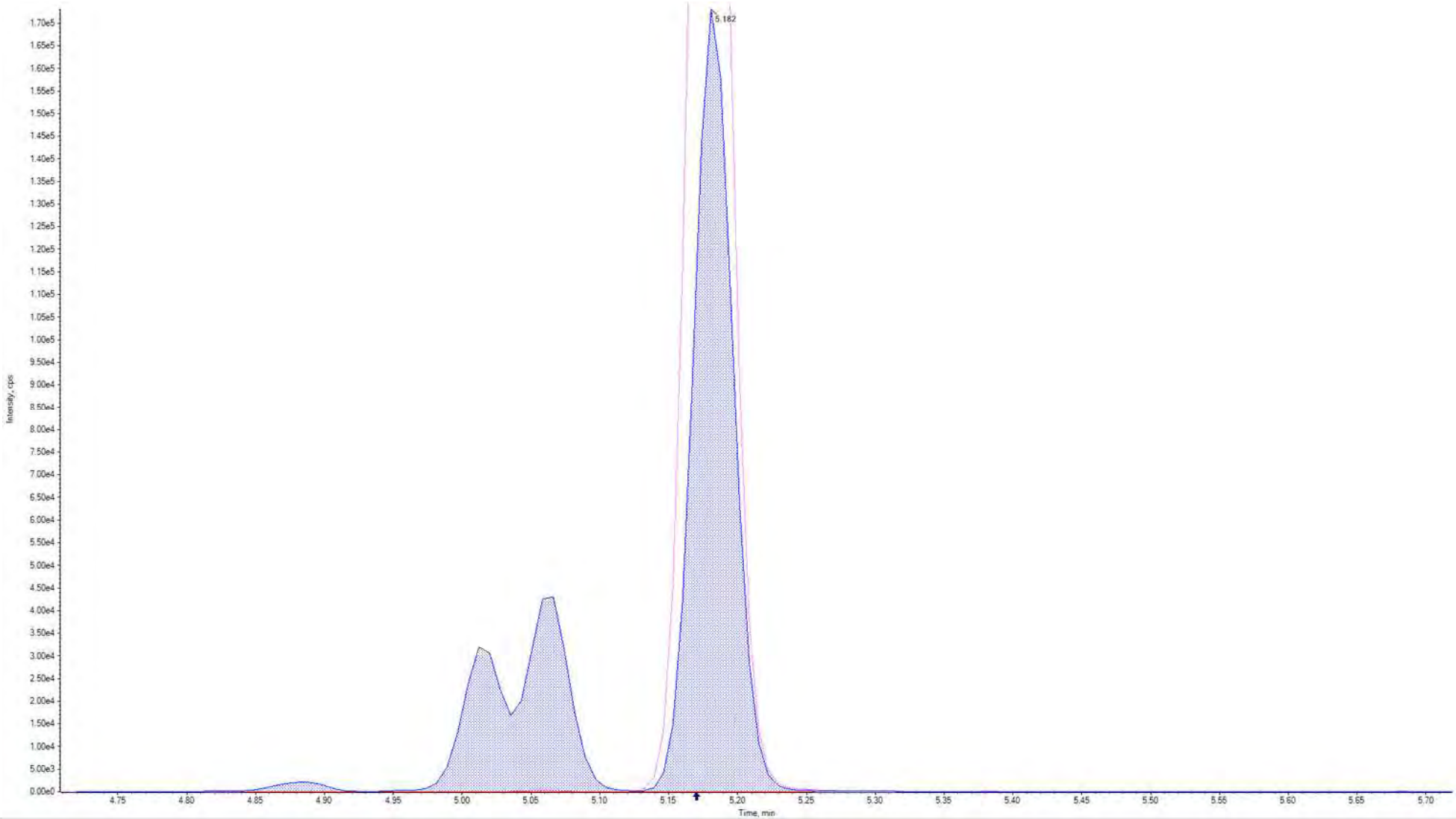
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

8:2FTS_2
Sample: IA1633STD-2.5 S/N:2280.4 Points Across peak:24



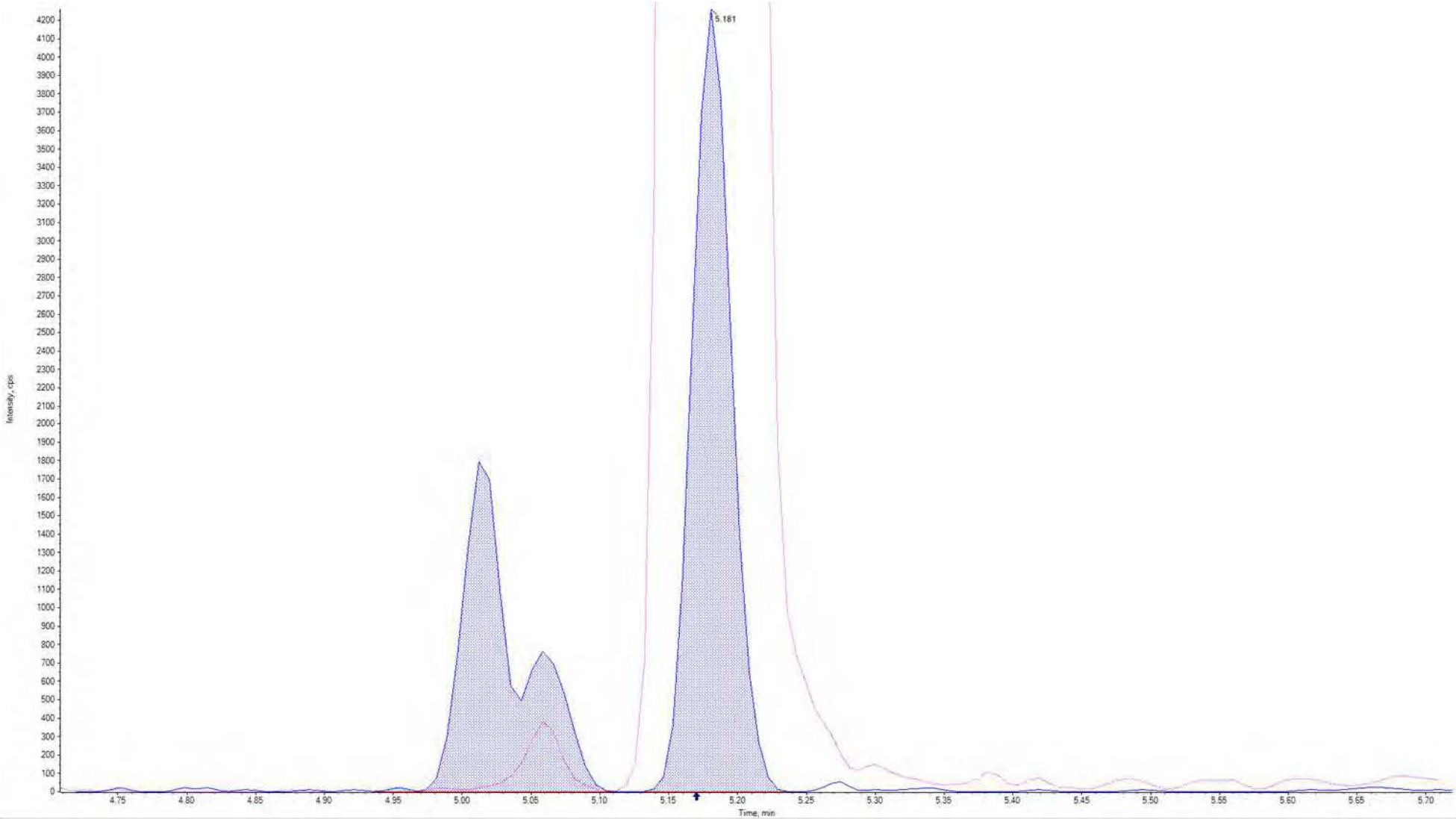
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFOSA
Sample: IA1633STD-2.5 S/N:359.6 Points Across peak:61



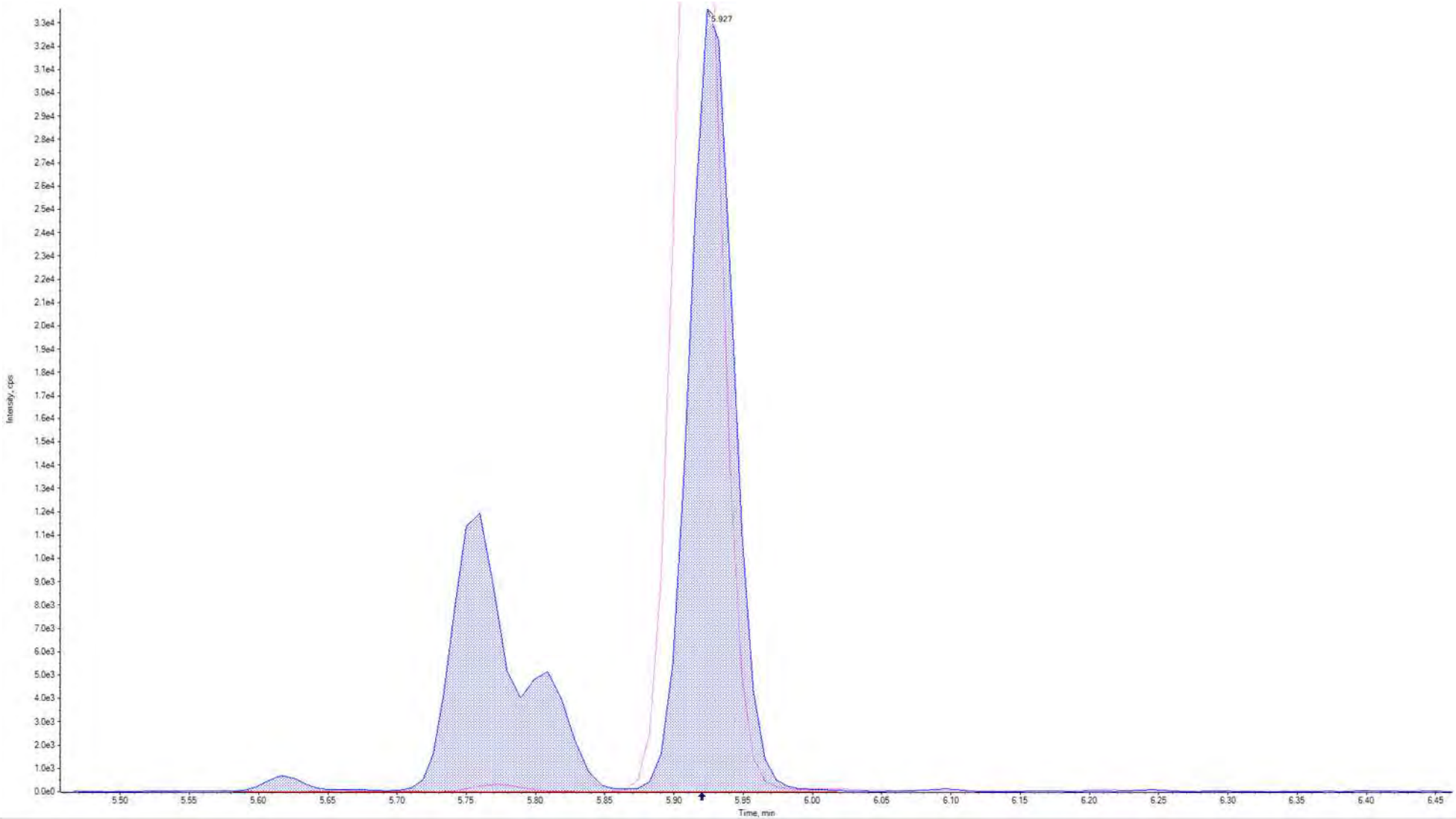
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFOSA_2
Sample: IA1633STD-2.5 S/N:278.1 Points Across peak:45



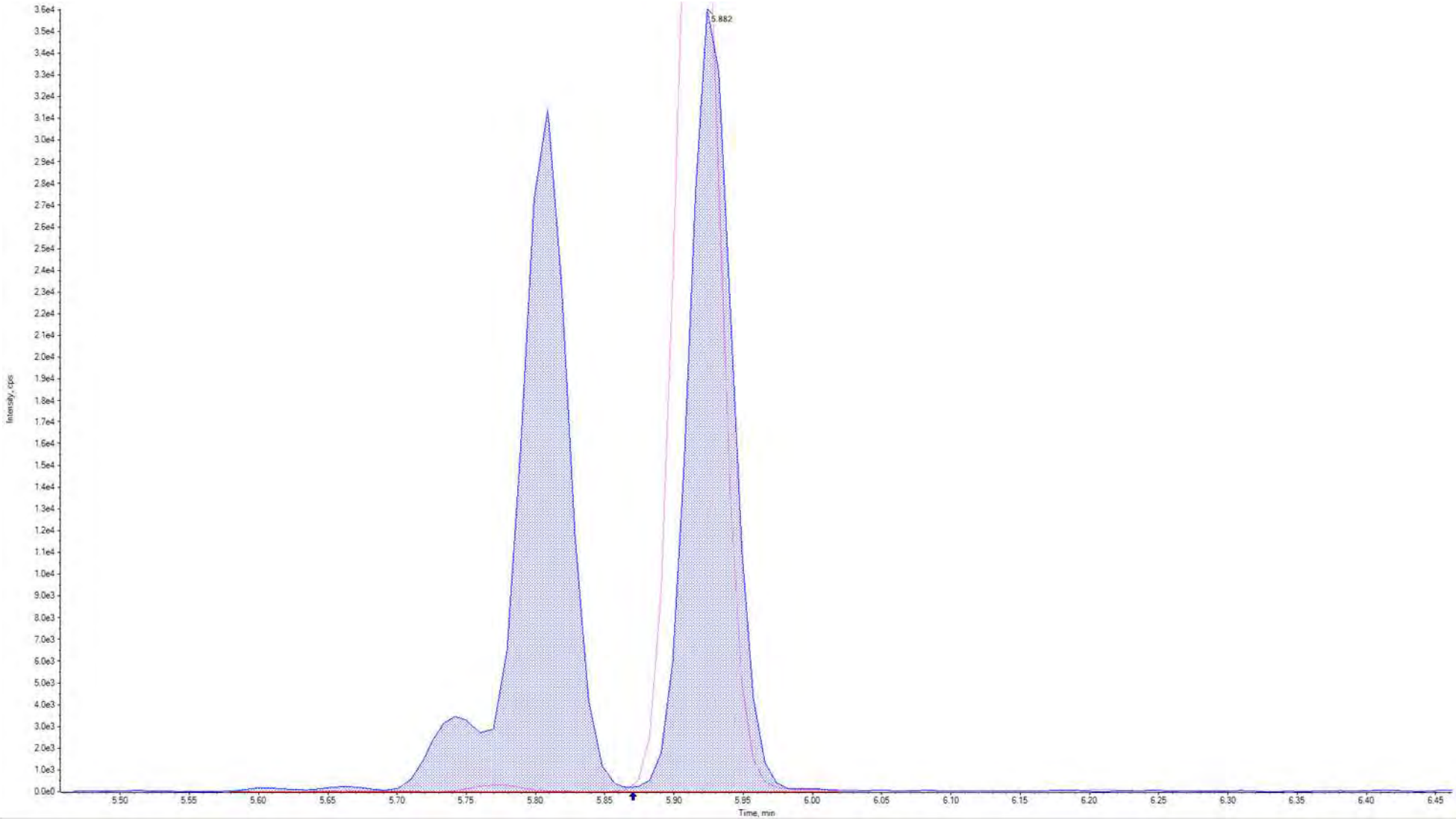
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NMeFOSA
Sample: IA1633STD-2.5 S/N:340.1 Points Across peak:52



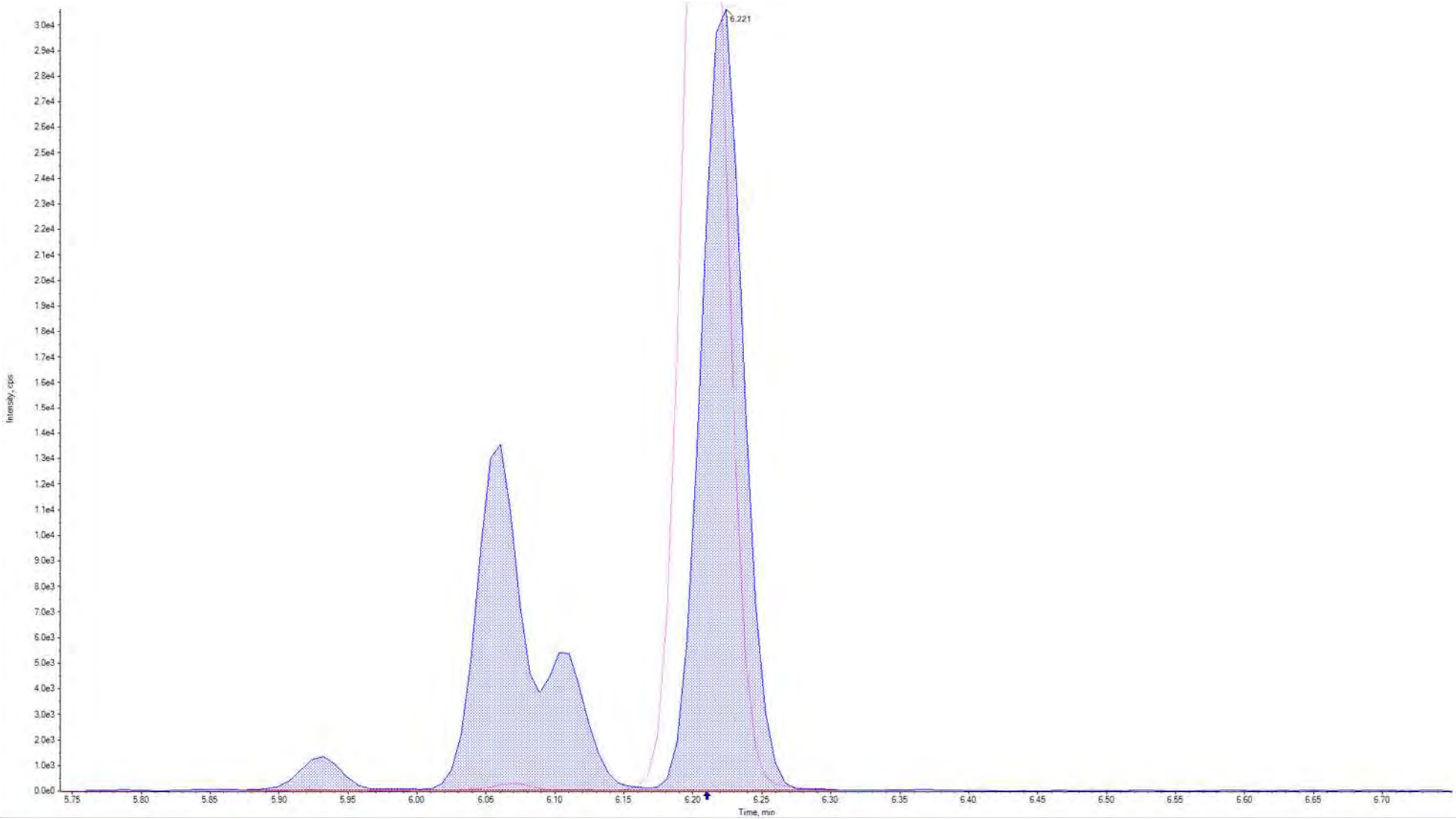
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NMeFOSA_2
Sample: IA1633STD-2.5 S/N:288.8 Points Across peak:52



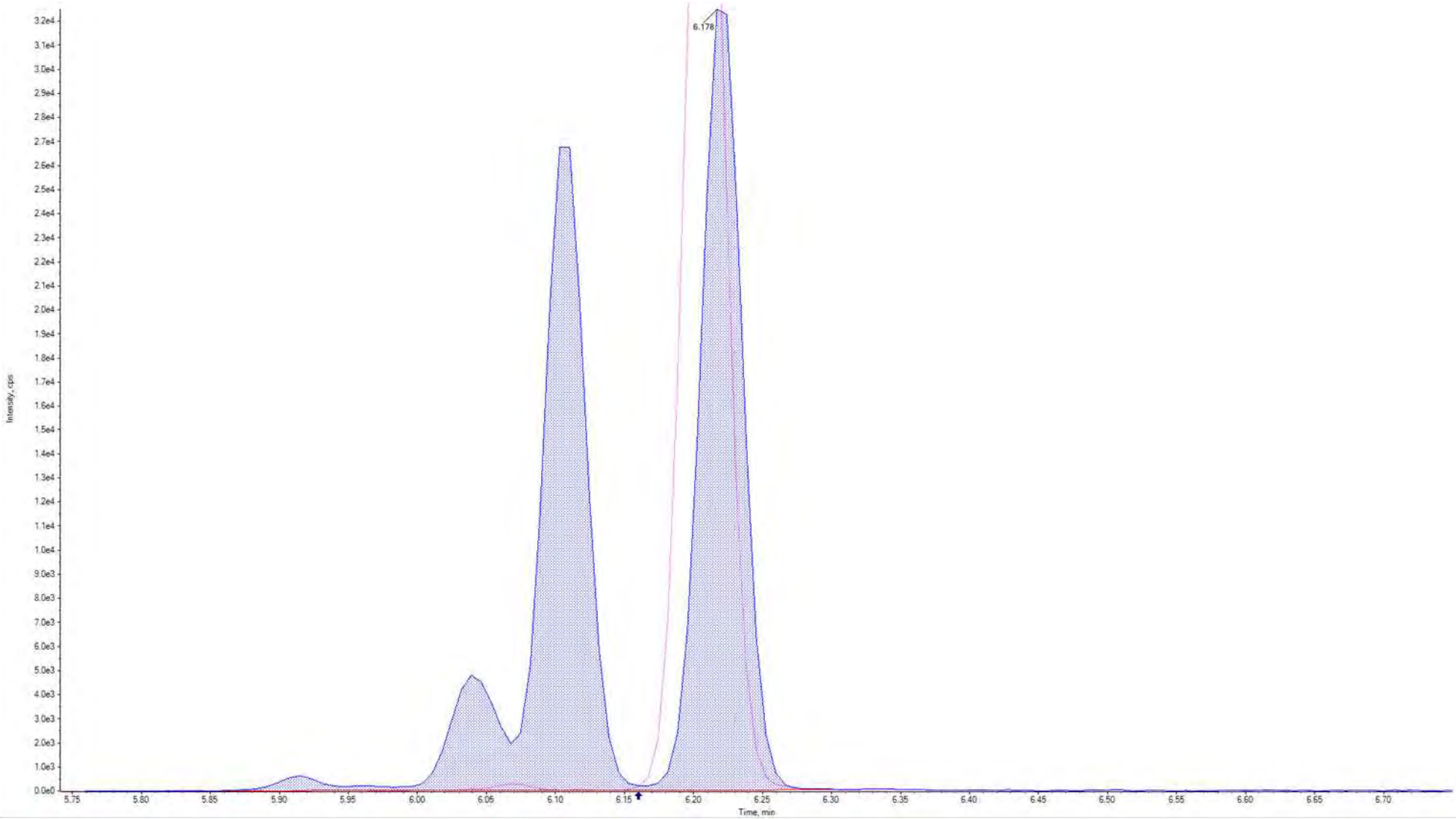
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NEtFOSA
Sample: IA1633STD-2.5 S/N:626.3 Points Across peak:60



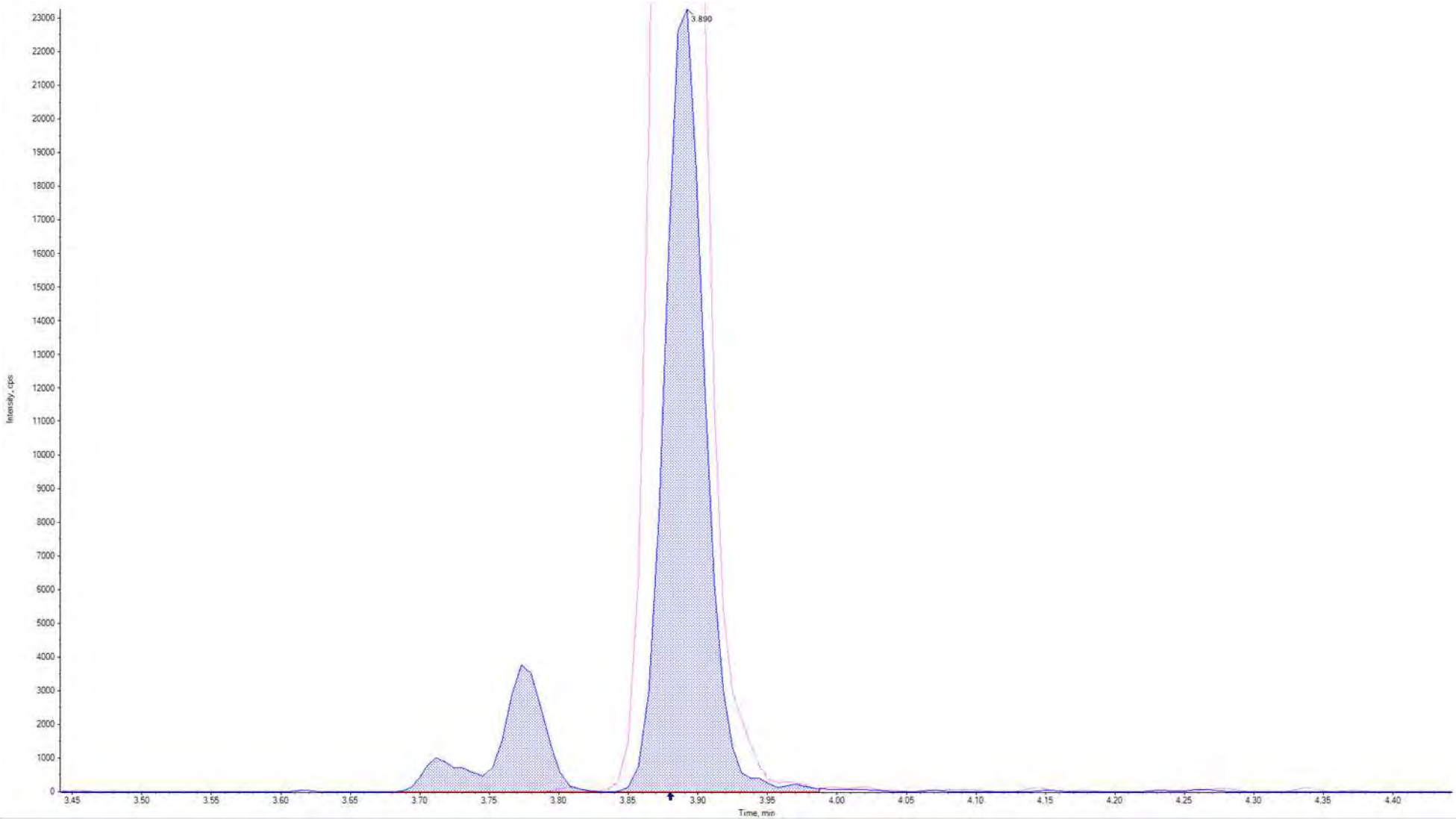
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NEtFOSA_2
Sample: IA1633STD-2.5 S/N:501.3 Points Across peak:64



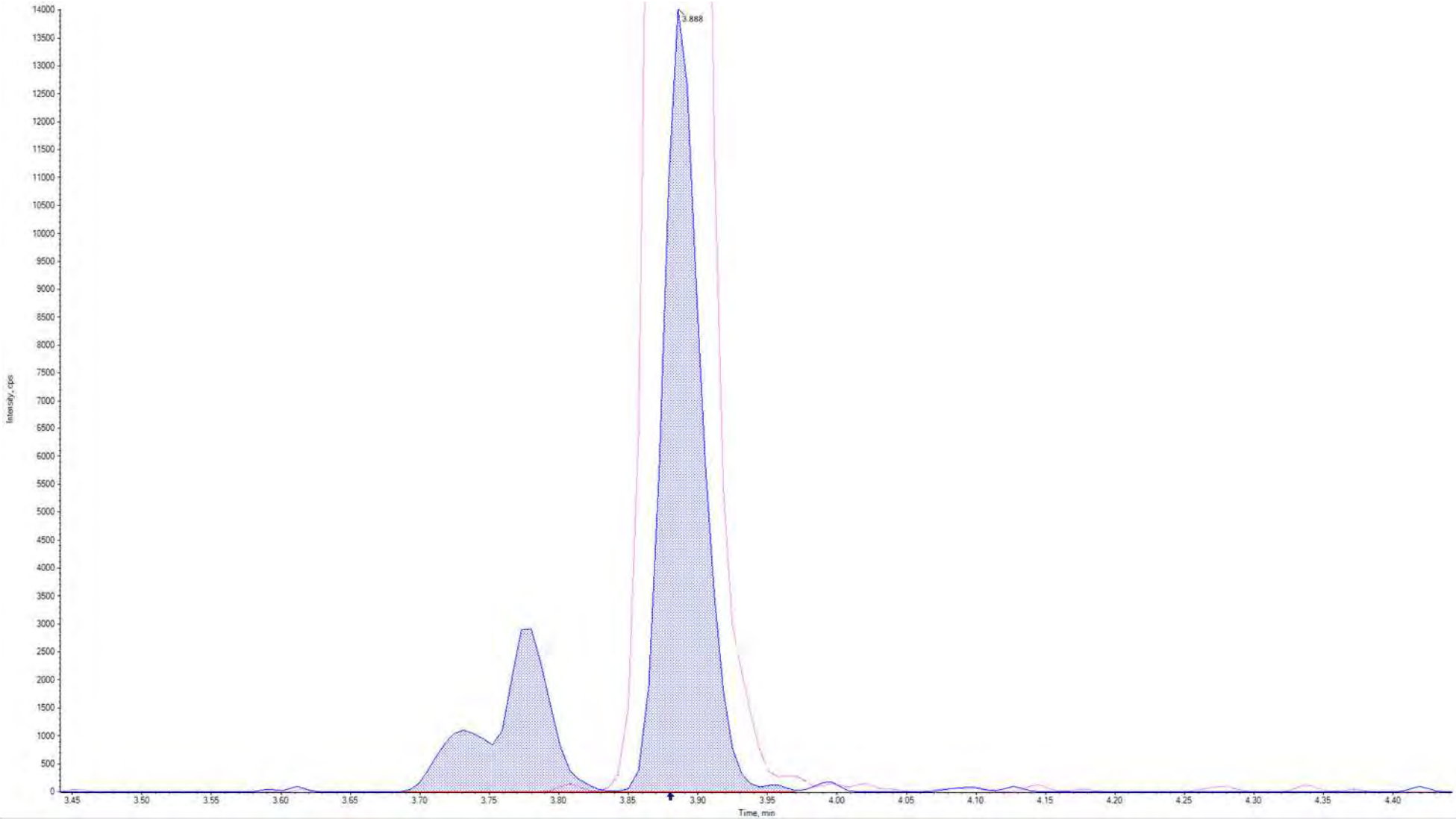
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NMeFOSAA
Sample: IA1633STD-2.5 S/N:466.5 Points Across peak:47



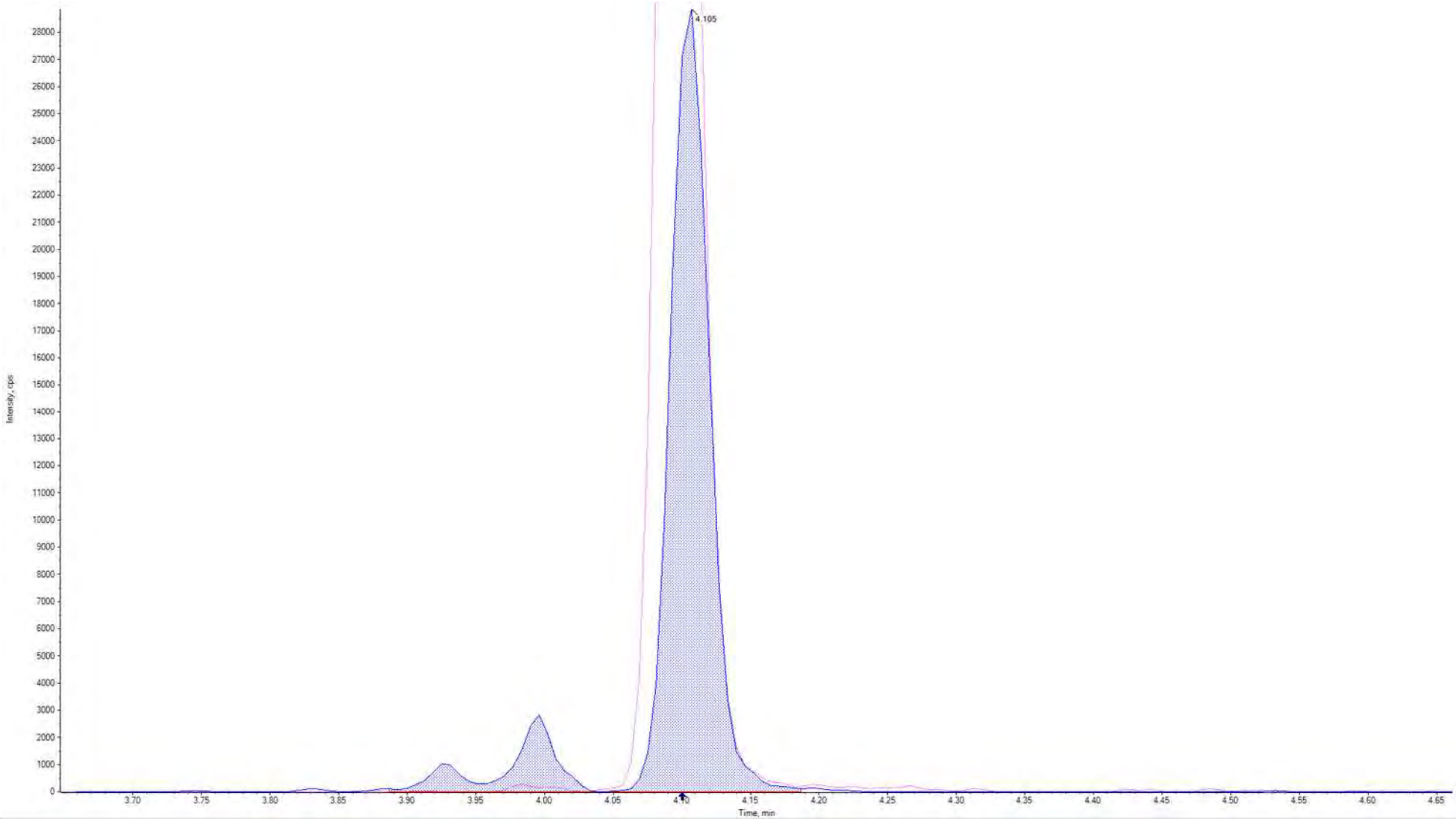
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NMeFOSAA_2
Sample: IA1633STD-2.5 S/N:281.1 Points Across peak:45



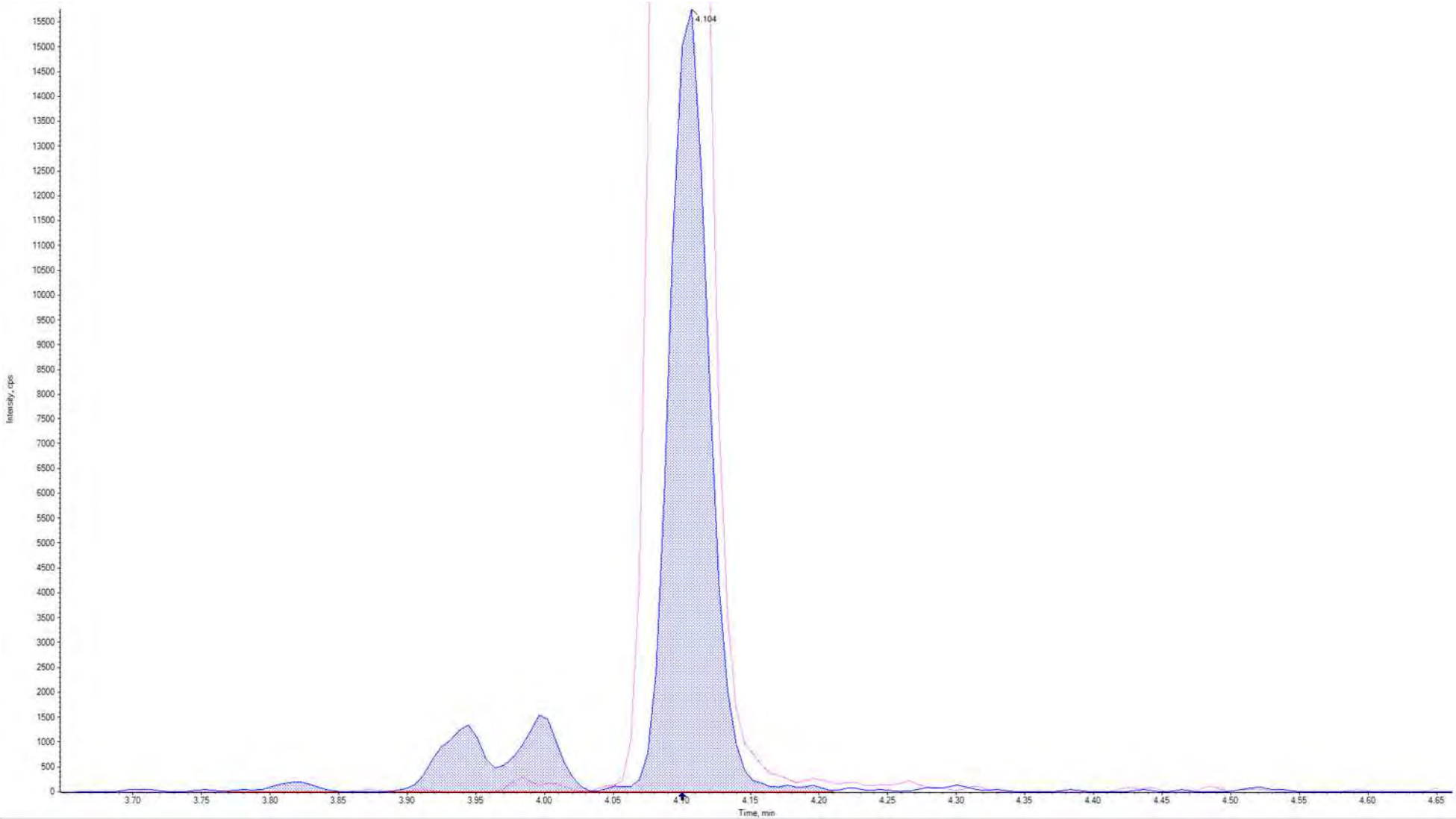
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NEtFOSAA
Sample: IA1633STD-2.5 S/N:634.3 Points Across peak:49



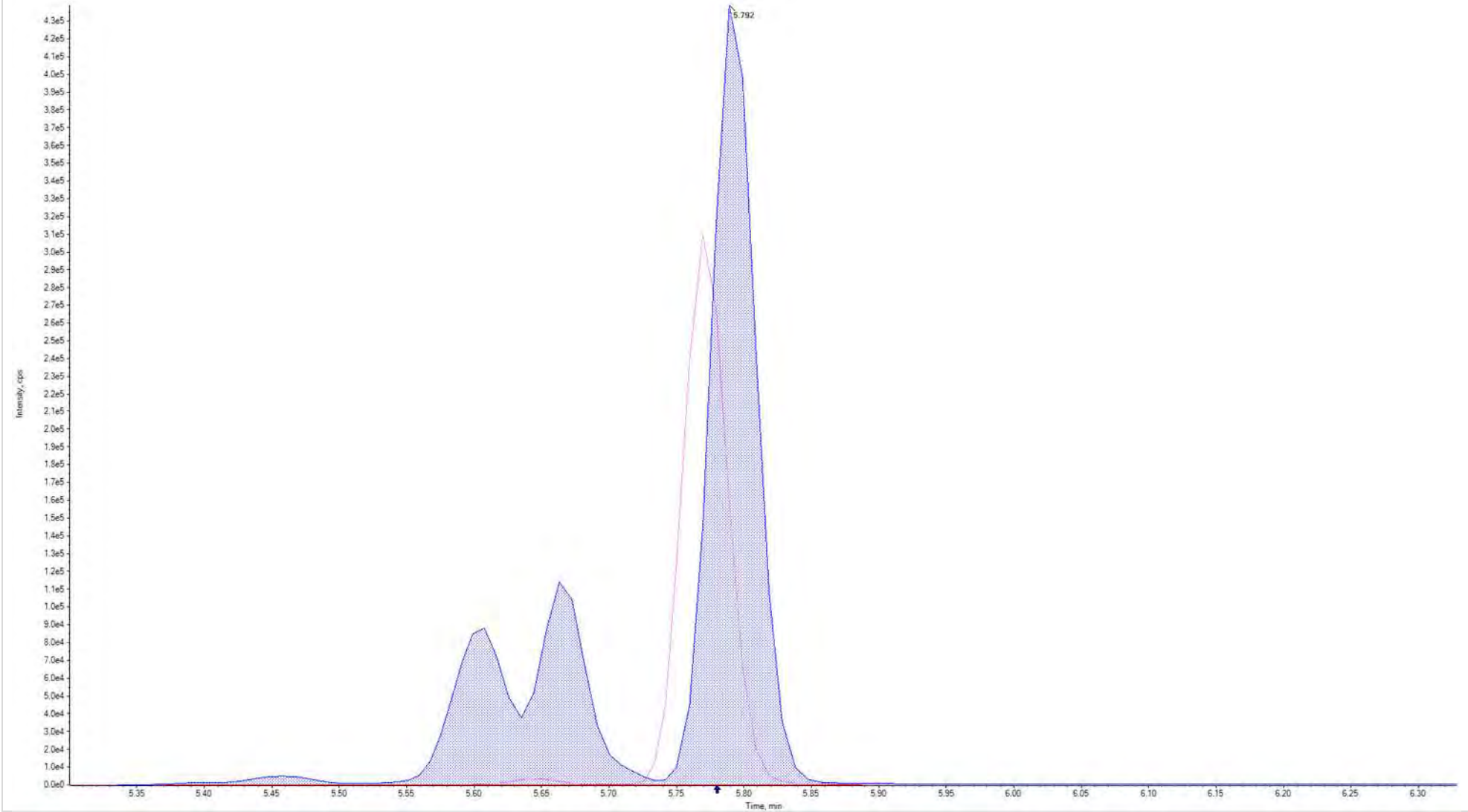
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NEtFOSAA_2
Sample: IA1633STD-2.5 S/N:355.5 Points Across peak:70



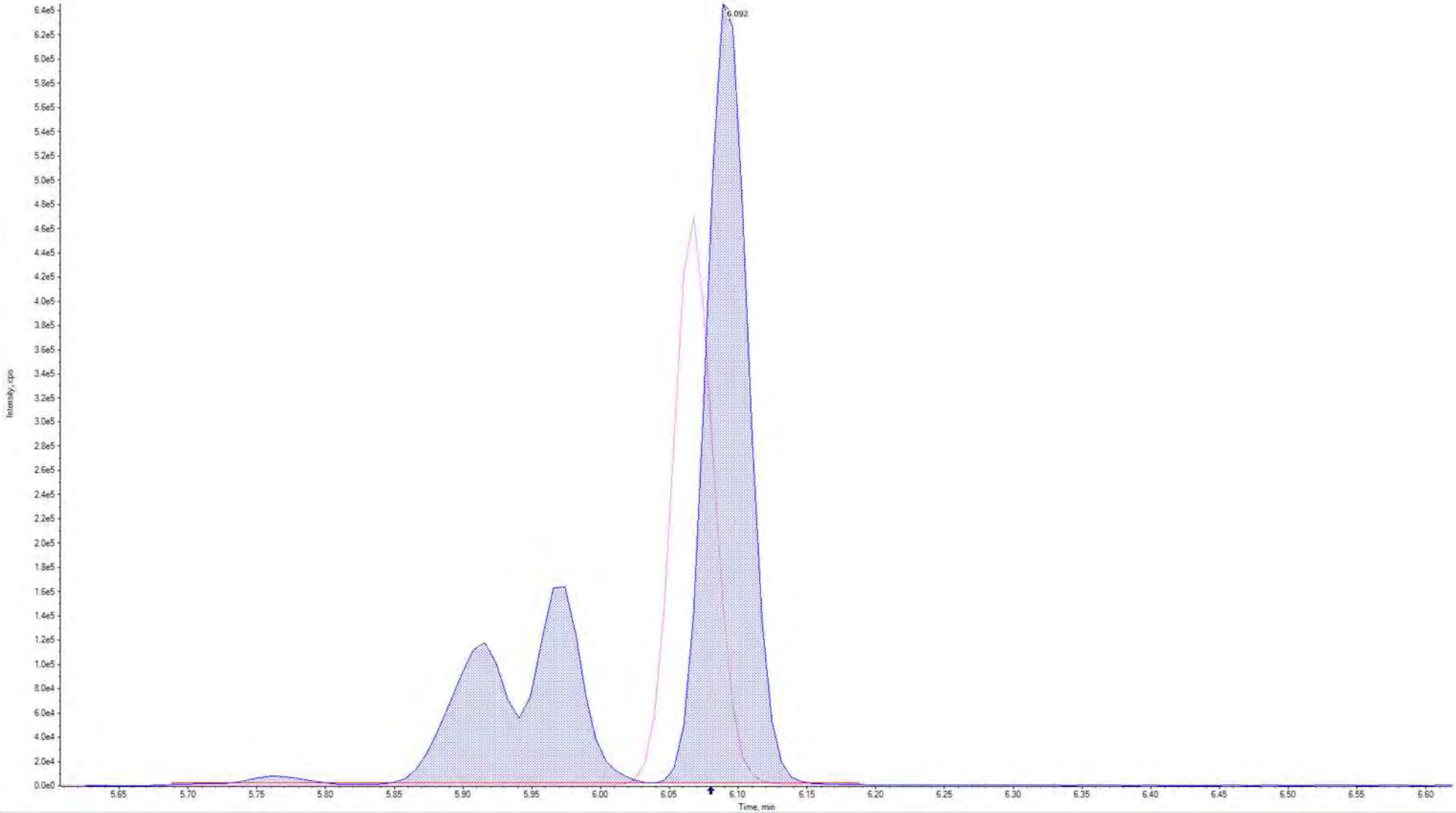
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NMeFOSE
Sample: IA1633STD-2.5 S/N:238.1 Points Across peak:62



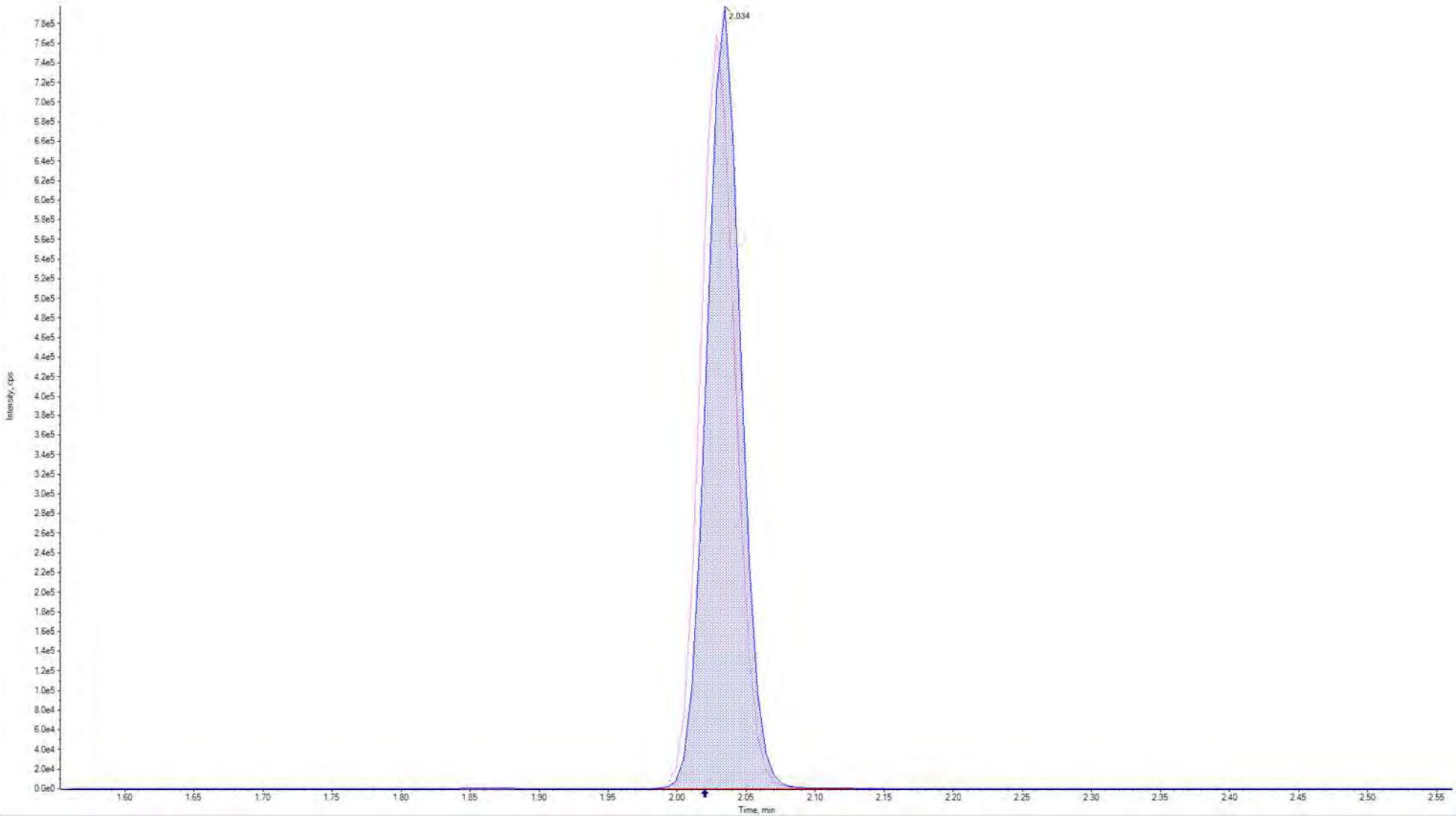
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NEtFOSE
Sample: IA1633STD-2.5 S/N:460.9 Points Across peak:64



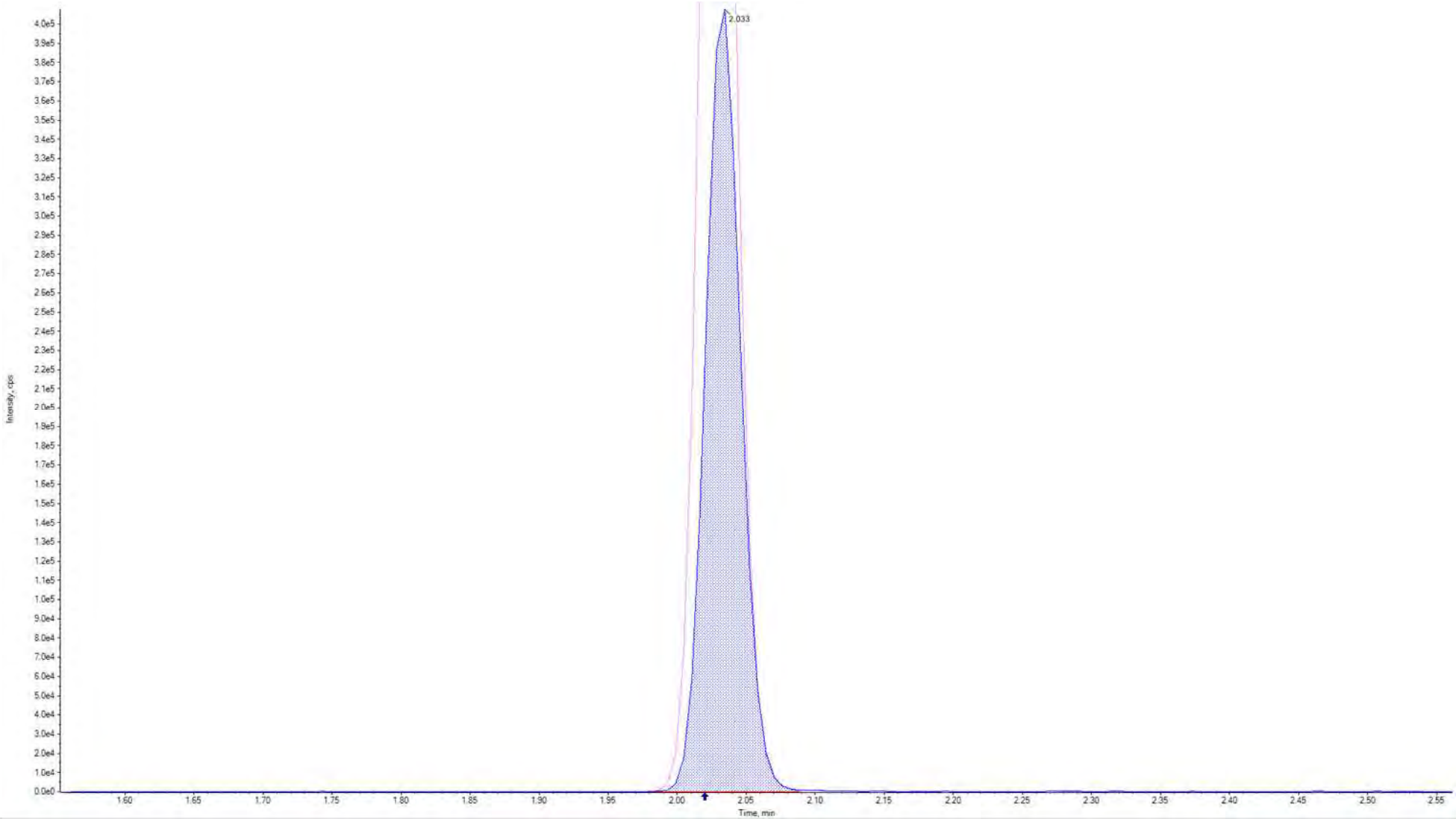
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

HFPO-DA
Sample: IA1633STD-2.5 S/N:6755.8 Points Across peak:36



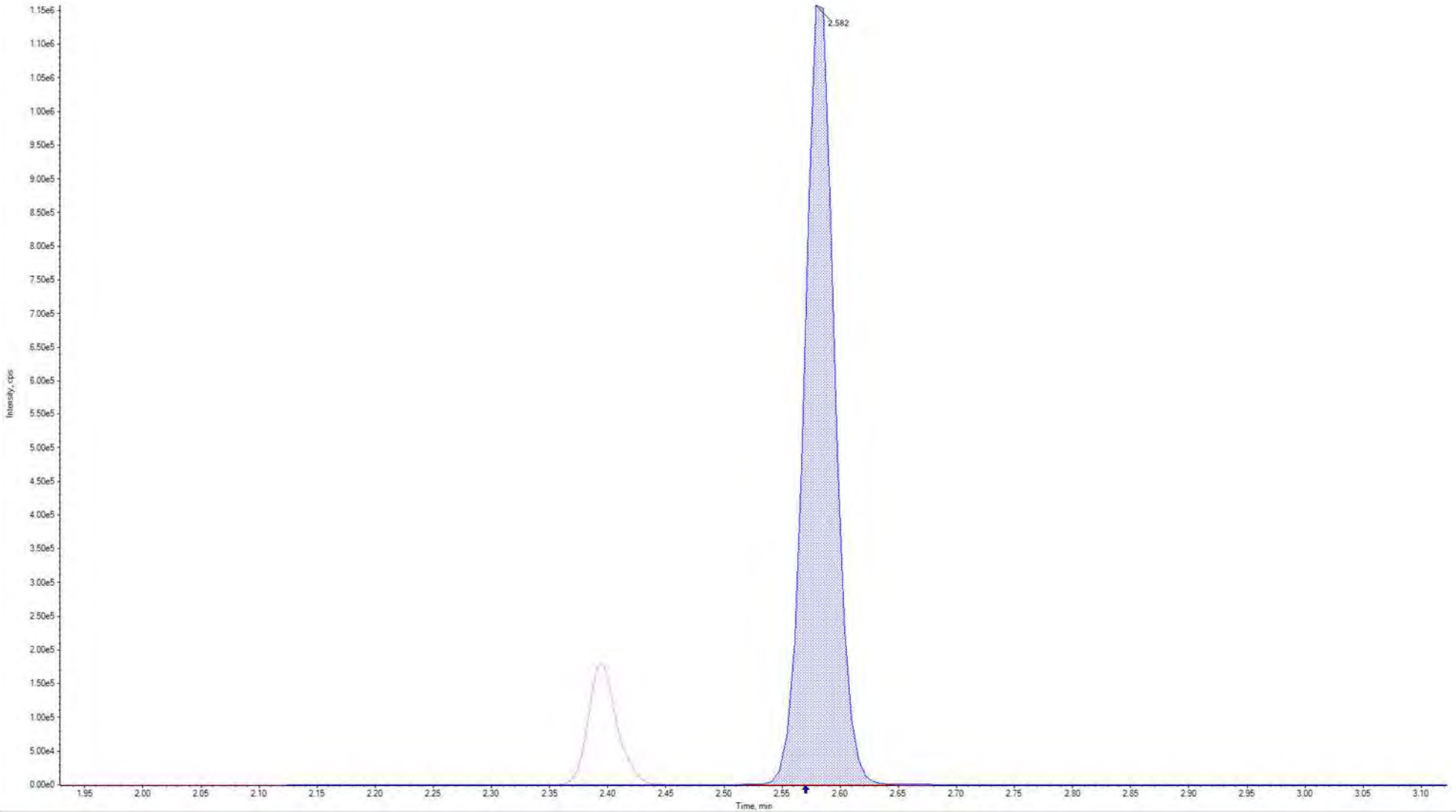
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

HFPO-DA_2
Sample: IA1633STD-2.5 S/N:9198.8 Points Across peak:22



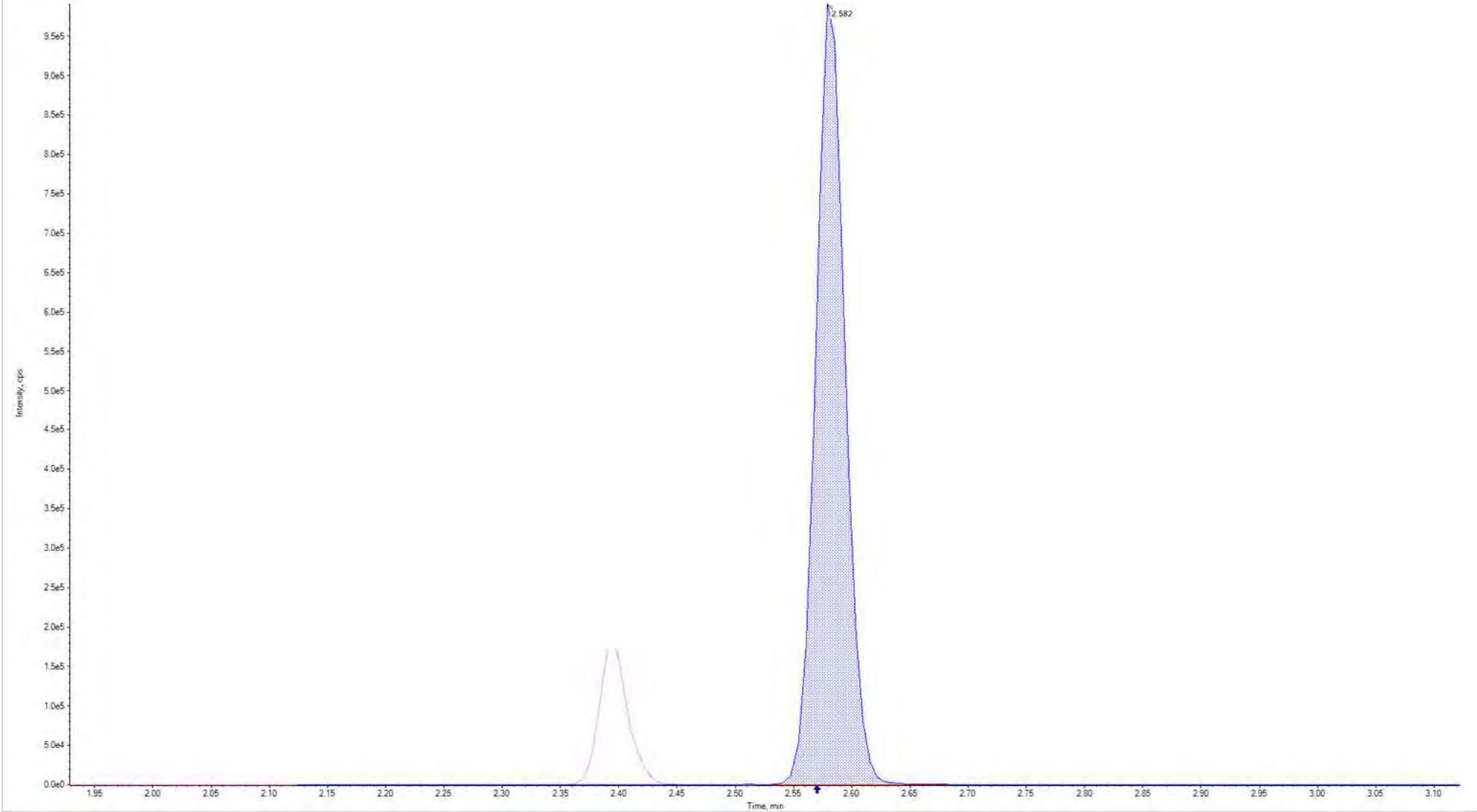
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

ADONA
Sample: IA1633STD-2.5 S/N:23212.1 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

ADONA_2
Sample: IA1633STD-2.5 S/N:6192.6 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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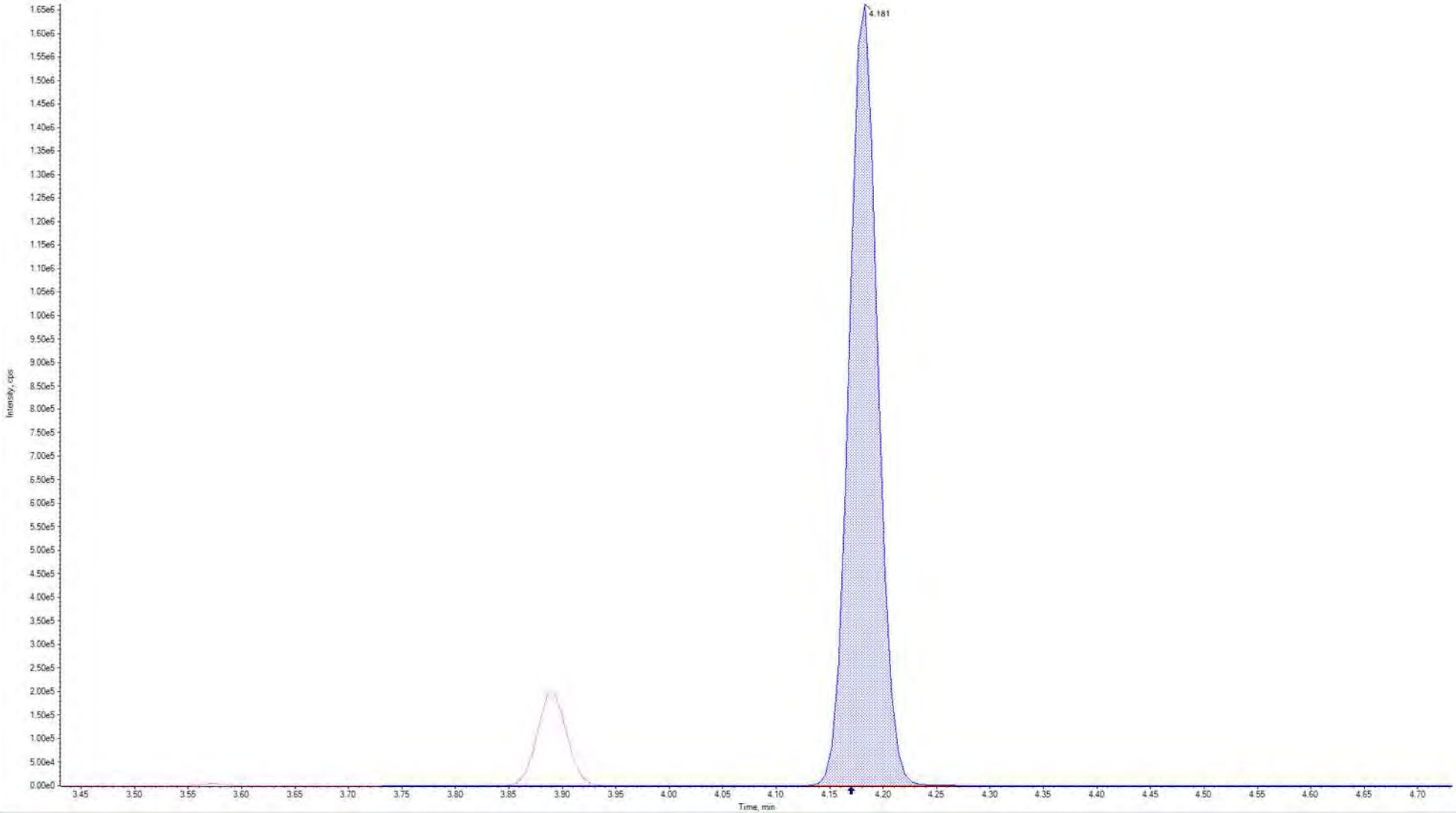
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

9Cl-PF3ONS
Sample: IA1633STD-2.5 S/N:10503.5 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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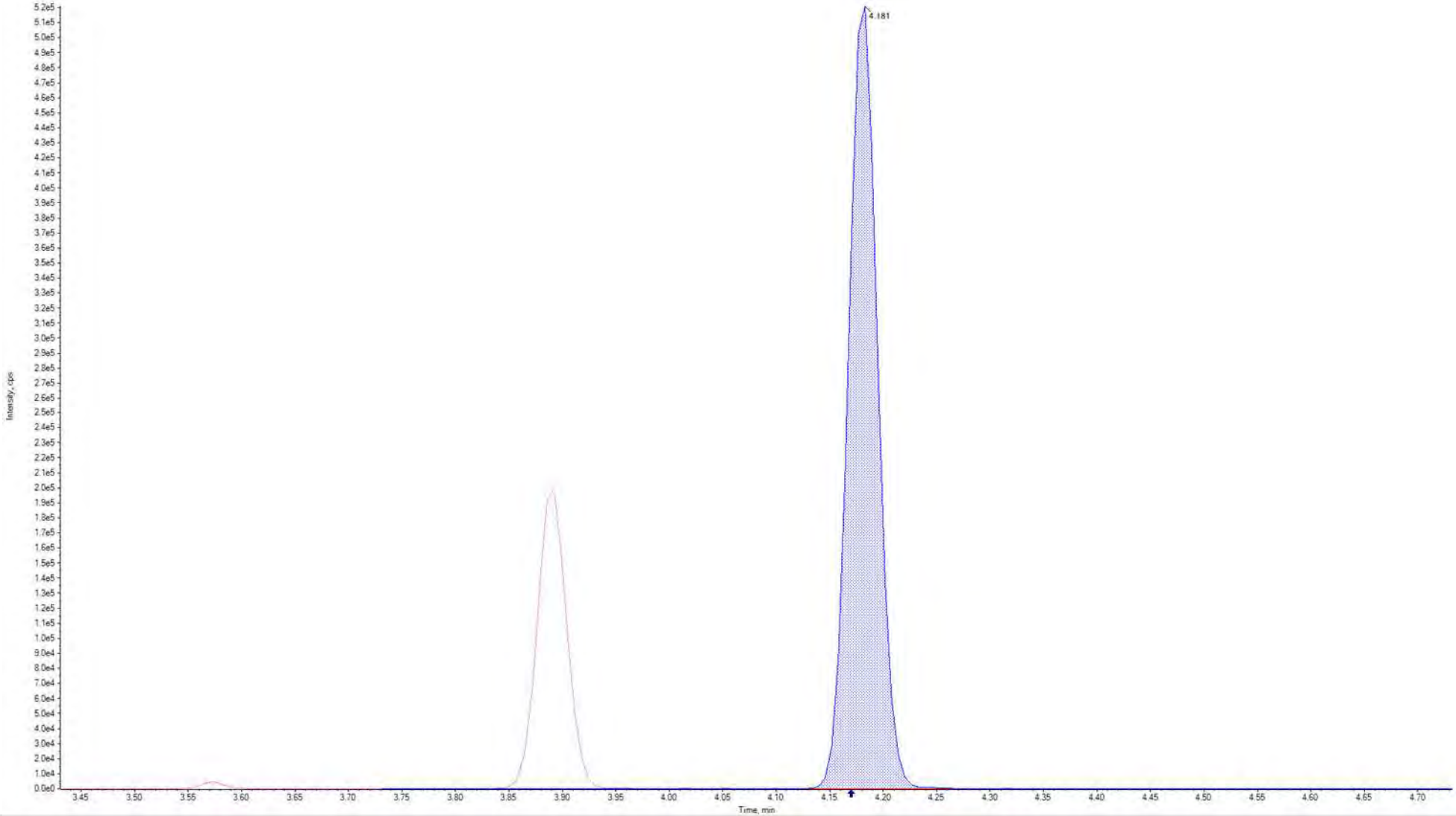
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

9Cl-PF3ONS_2
Sample: IA1633STD-2.5 S/N:6854.5 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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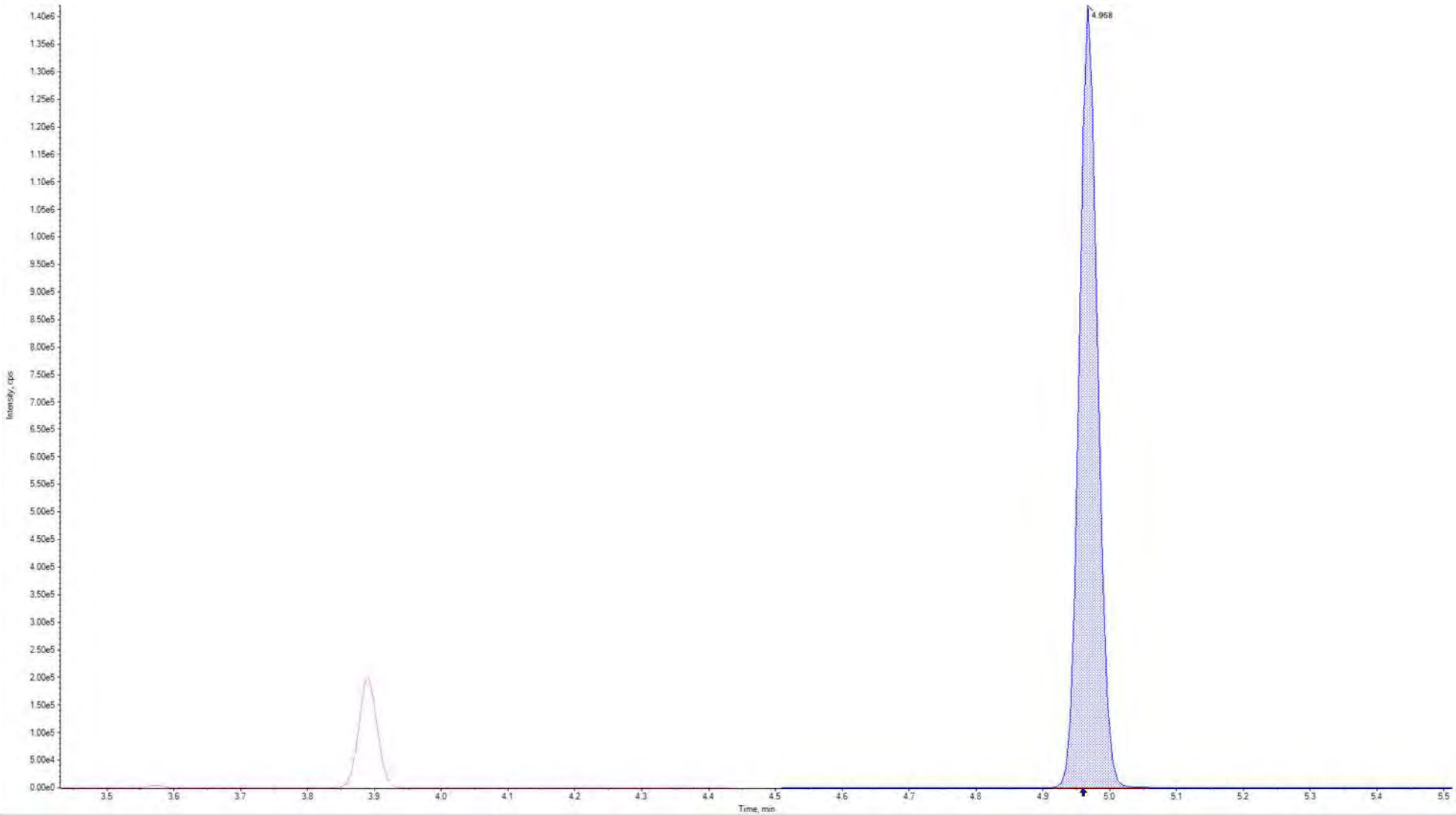
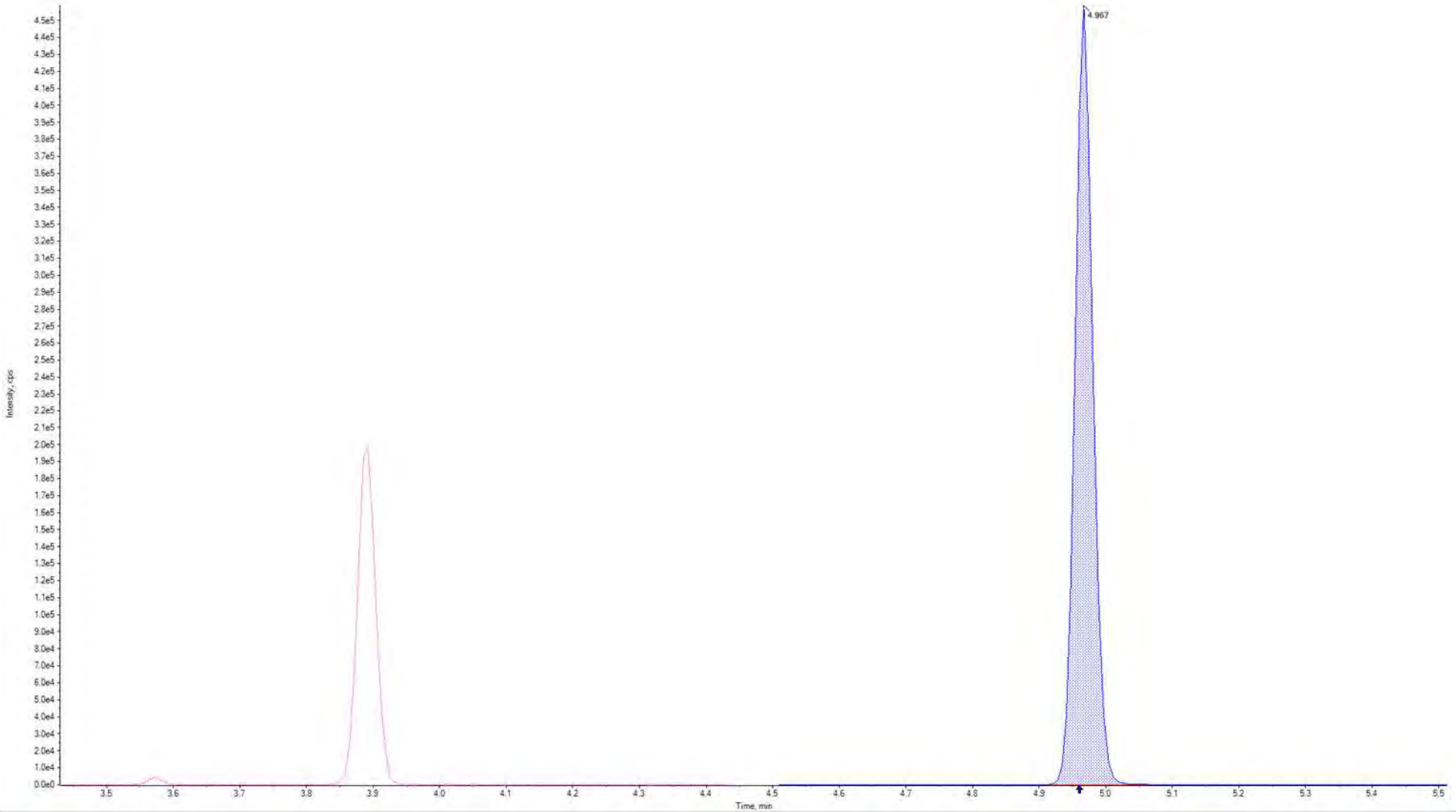
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

11Cl-PF3OUdS
Sample: IA1633STD-2.5 S/N:8033.5 Points Across peak:28



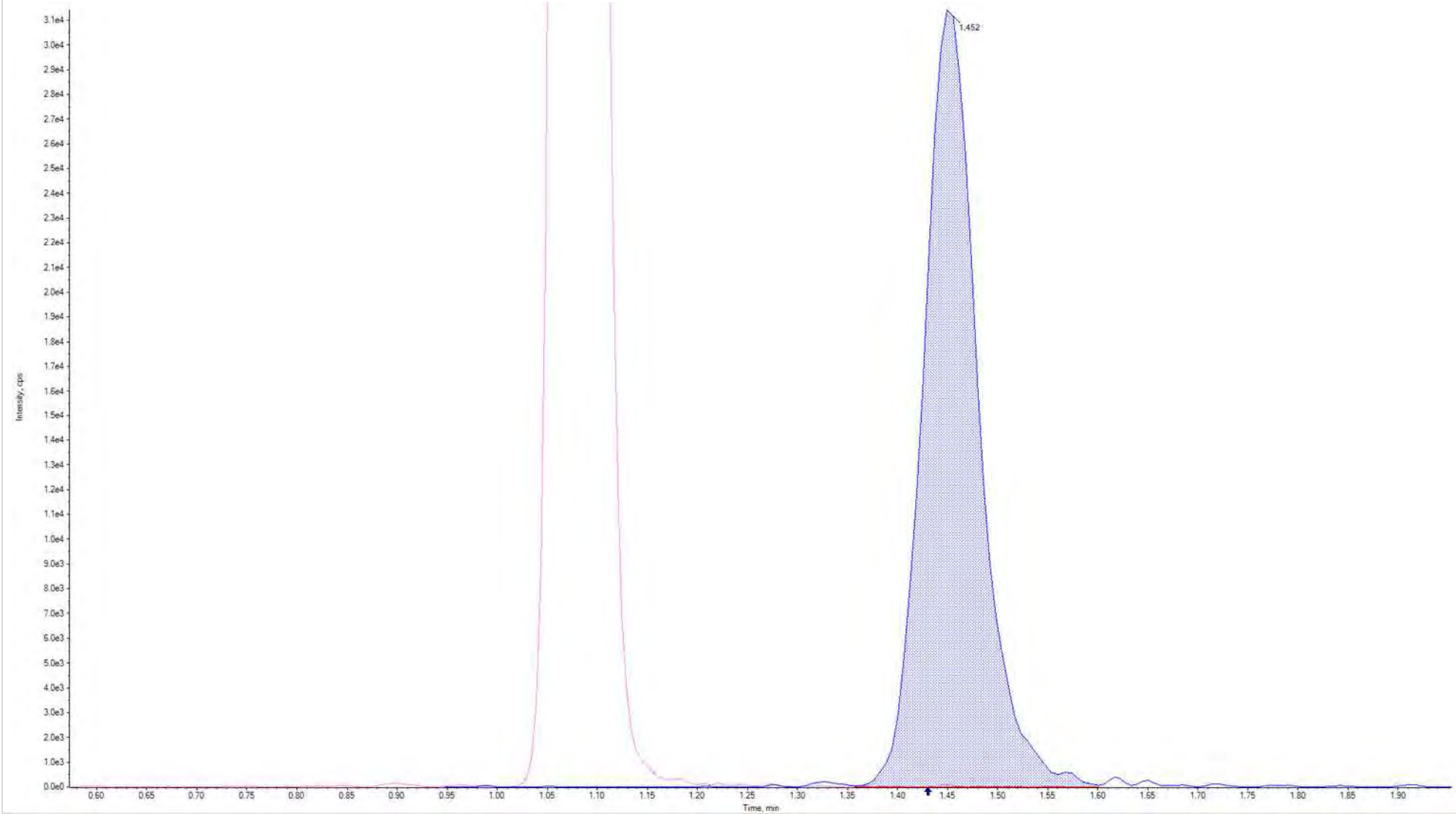
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

11Cl-PF3OUdS_2
Sample: IA1633STD-2.5 S/N:6311.4 Points Across peak:31



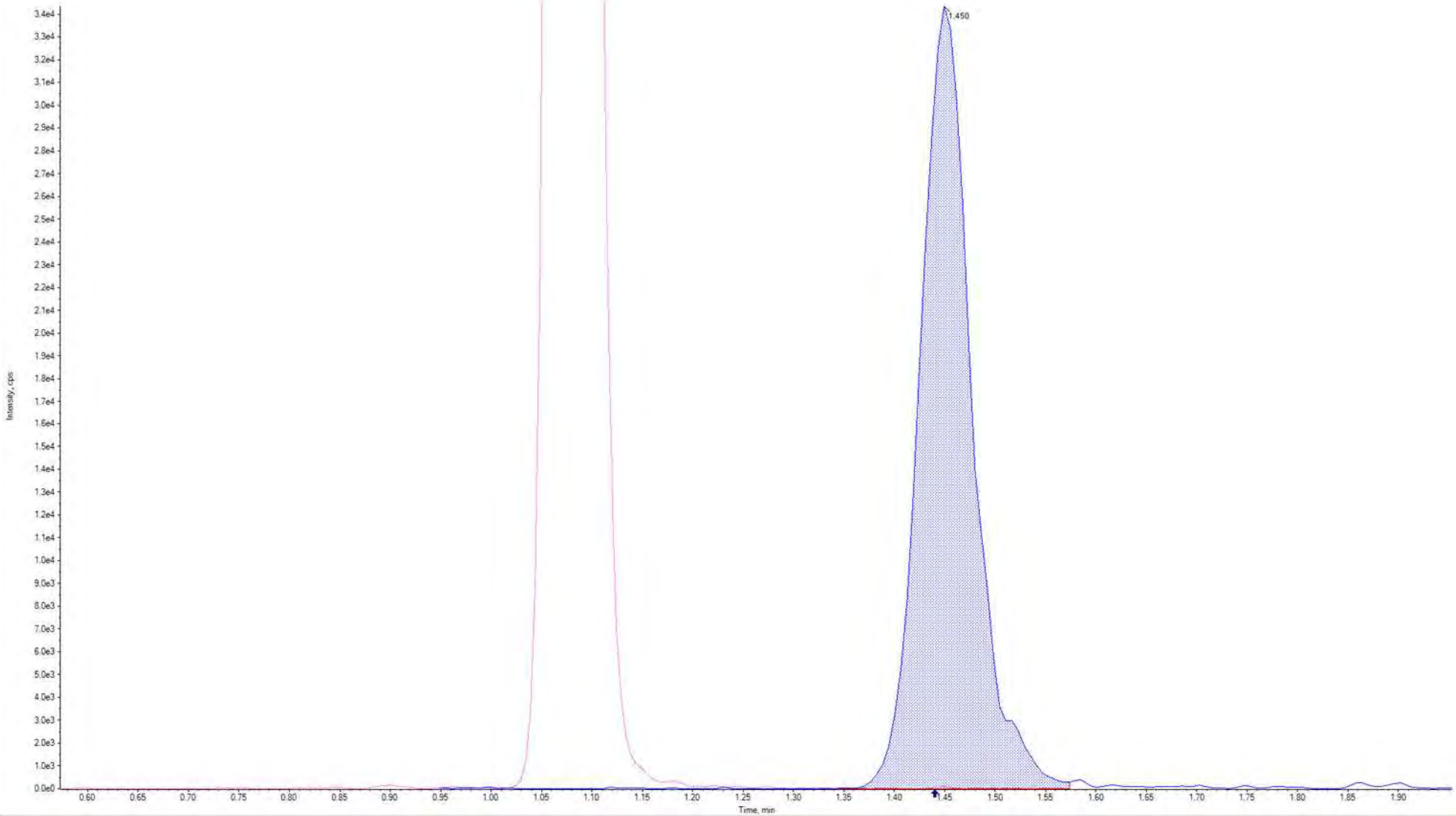
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

3:3FTCA
Sample: IA1633STD-2.5 S/N:787.4 Points Across peak:41



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

3:3FTCA_2
Sample: IA1633STD-2.5 S/N:860.9 Points Across peak:41



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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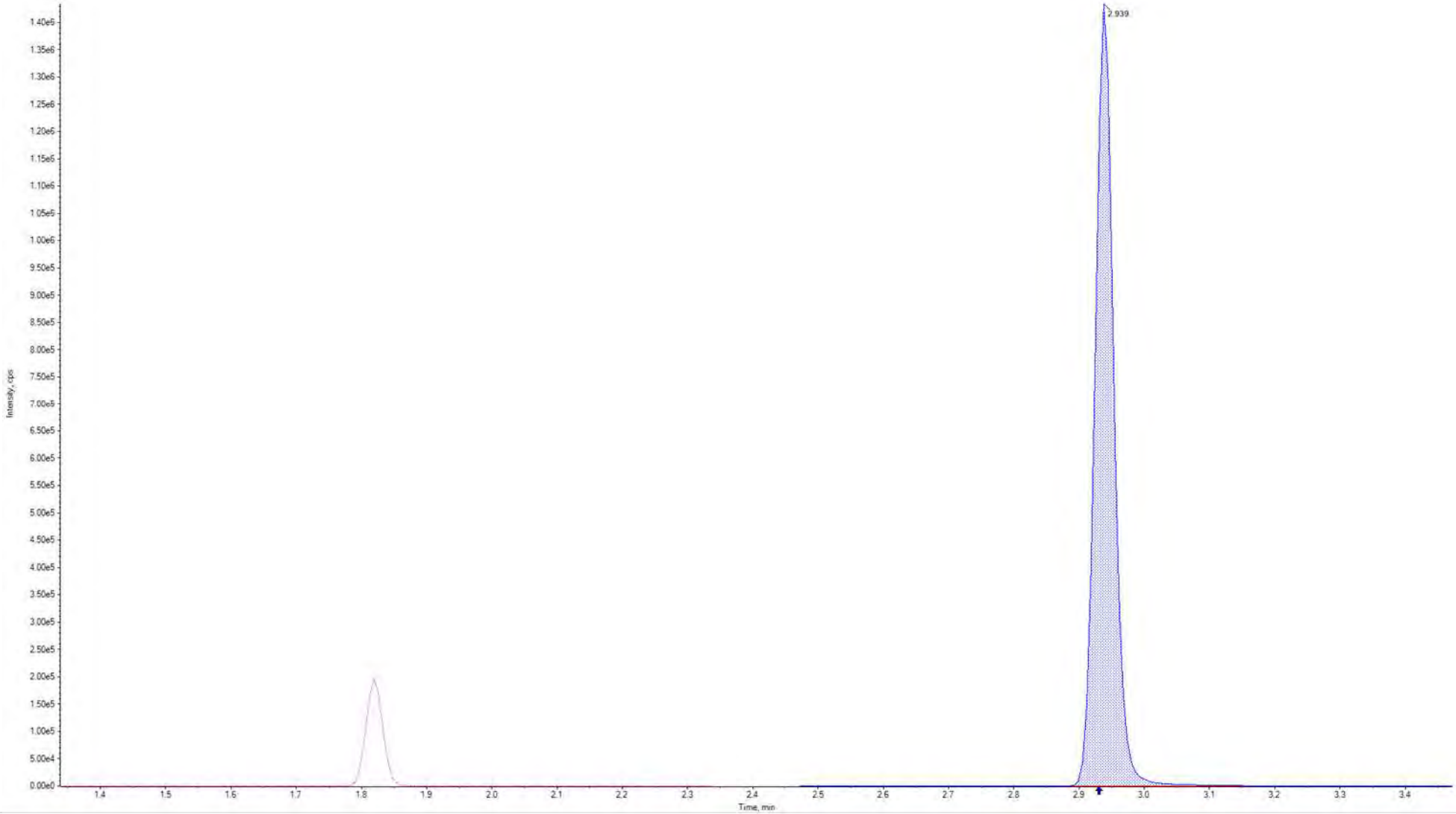
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

5:3FTCA
Sample: IA1633STD-2.5 S/N:32347.7 Points Across peak:53



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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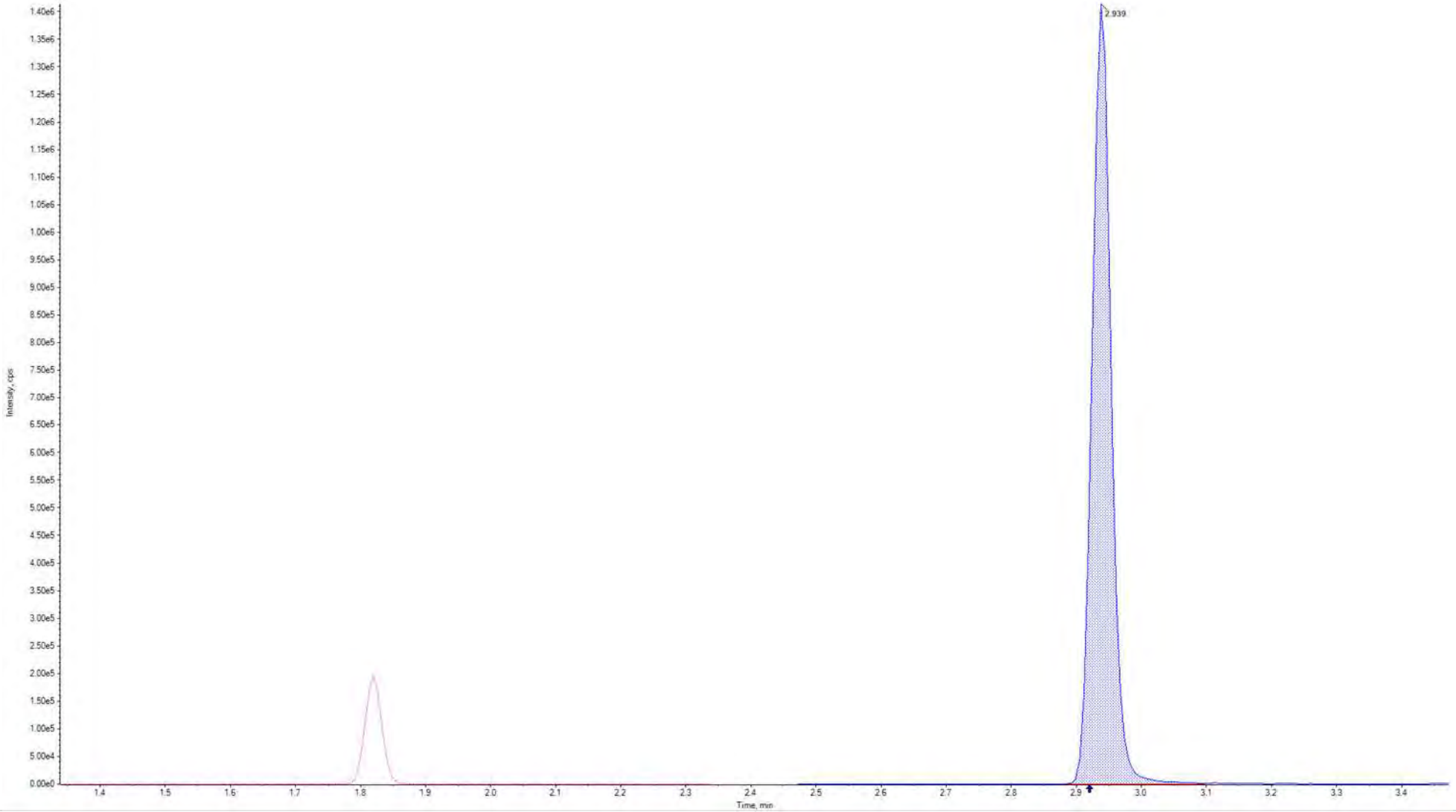
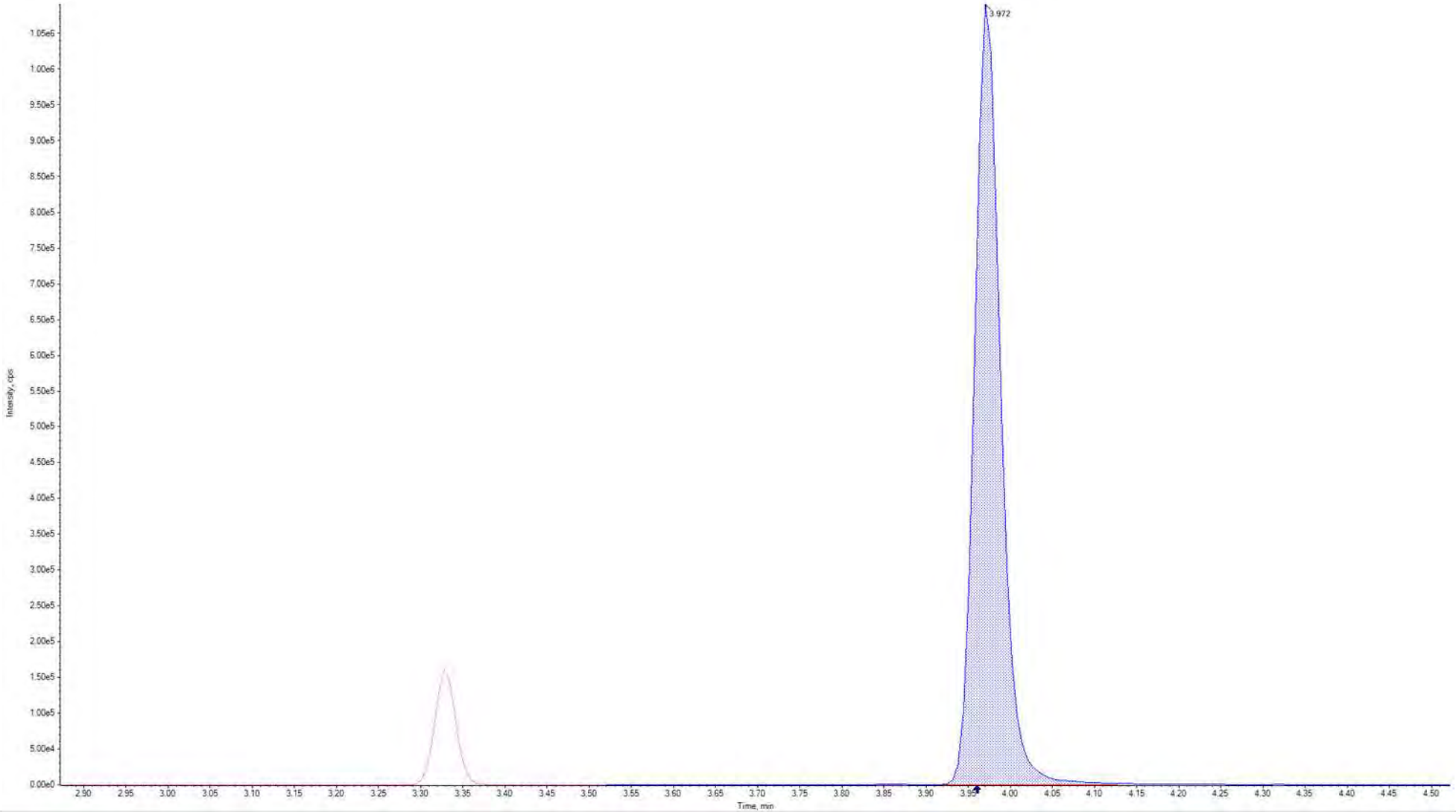
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

5:3FTCA_2
Sample: IA1633STD-2.5 S/N:23000.1 Points Across peak:38



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

7:3FTCA
Sample: IA1633STD-2.5 S/N:3489.1 Points Across peak:36



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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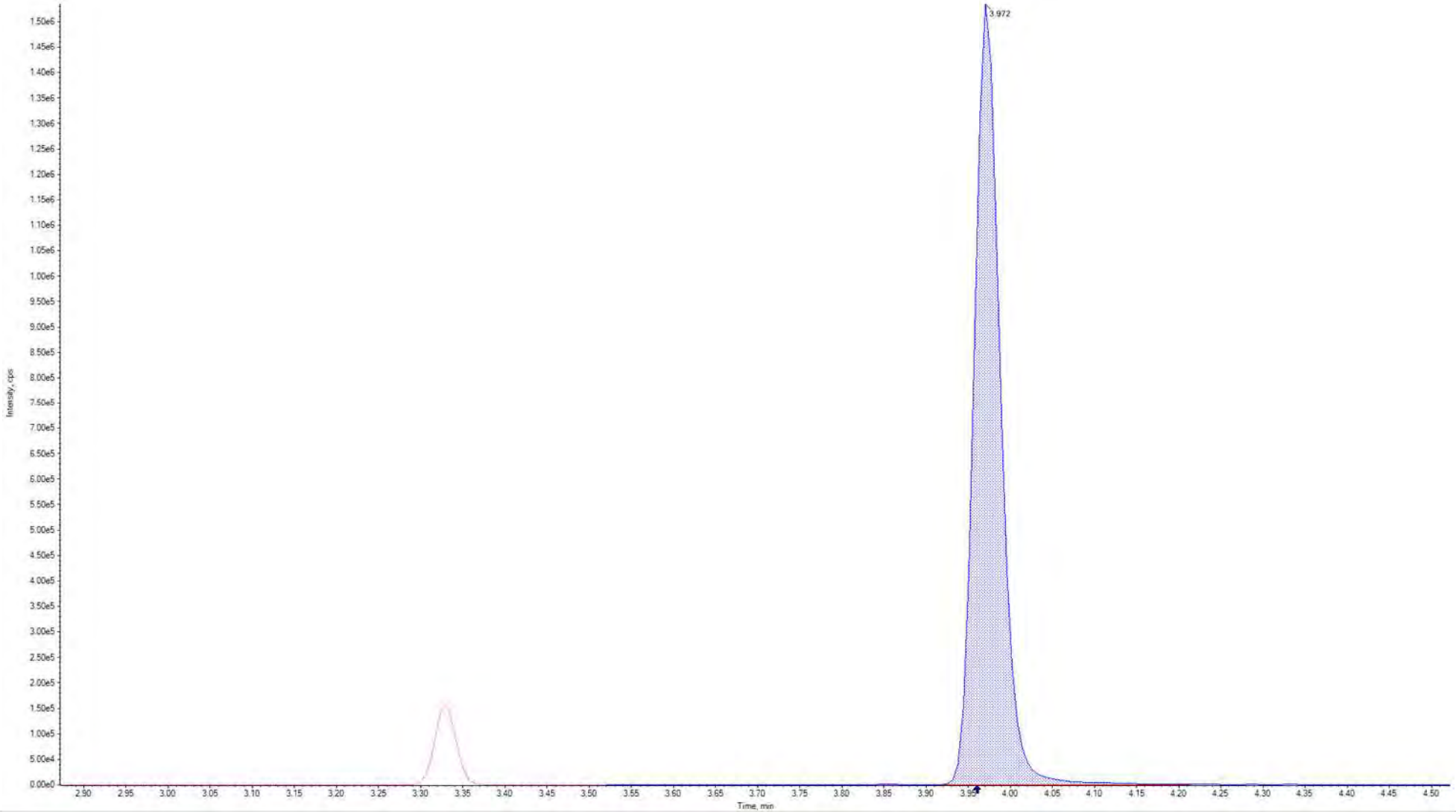
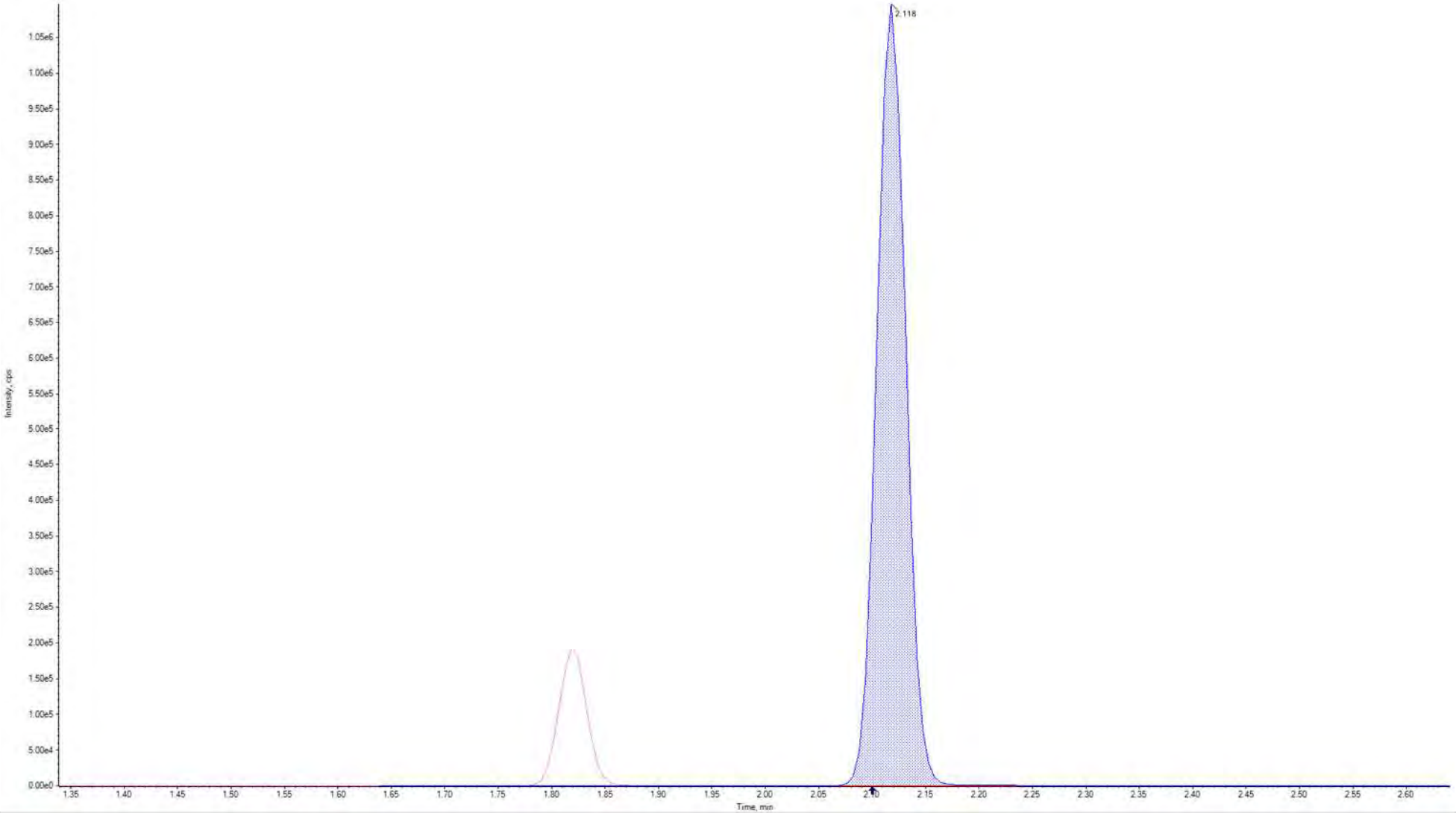
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

7:3FTCA_2
Sample: IA1633STD-2.5 S/N:42318.9 Points Across peak:51



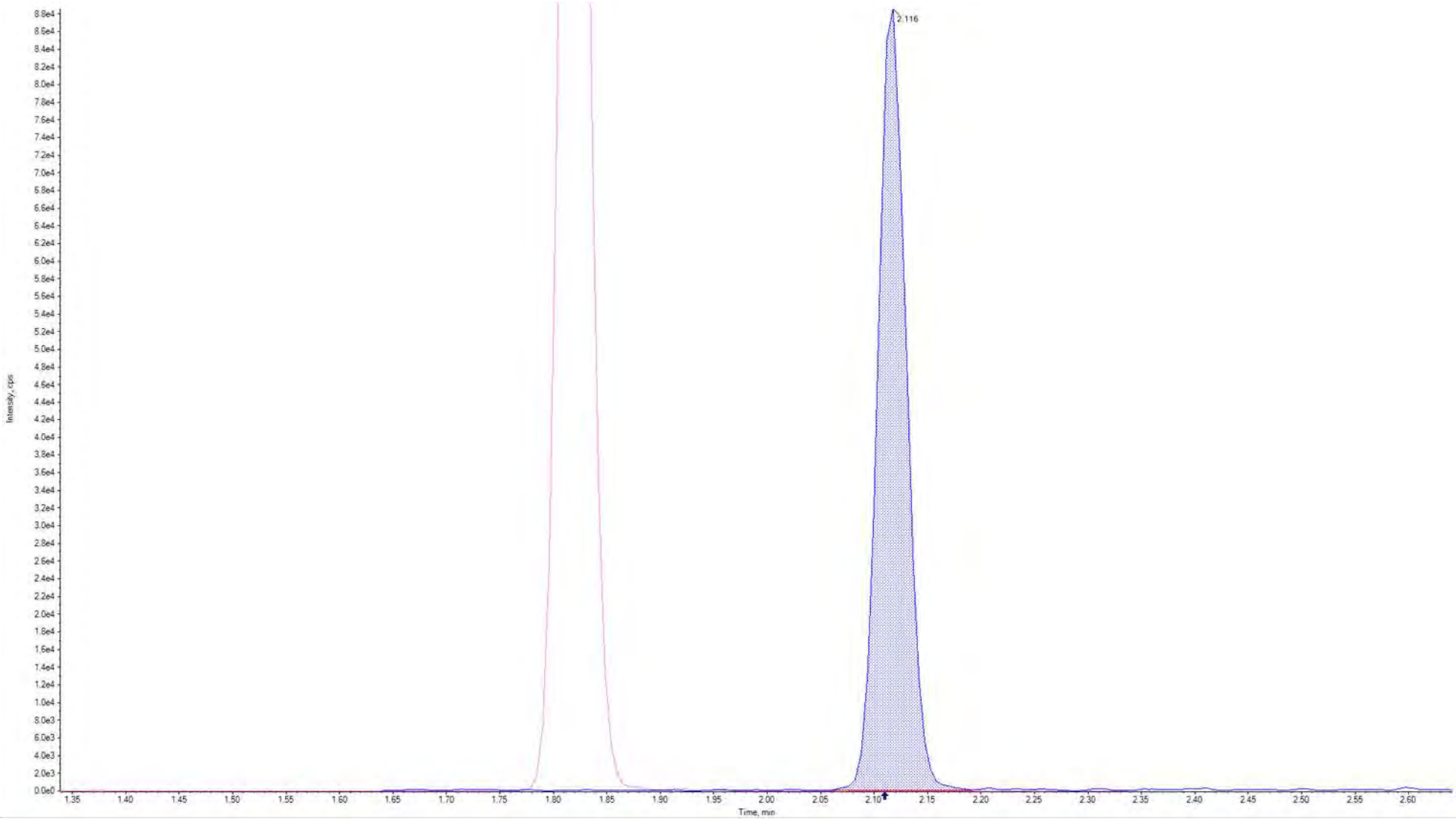
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFEESA
Sample: IA1633STD-2.5 S/N:24749.0 Points Across peak:34



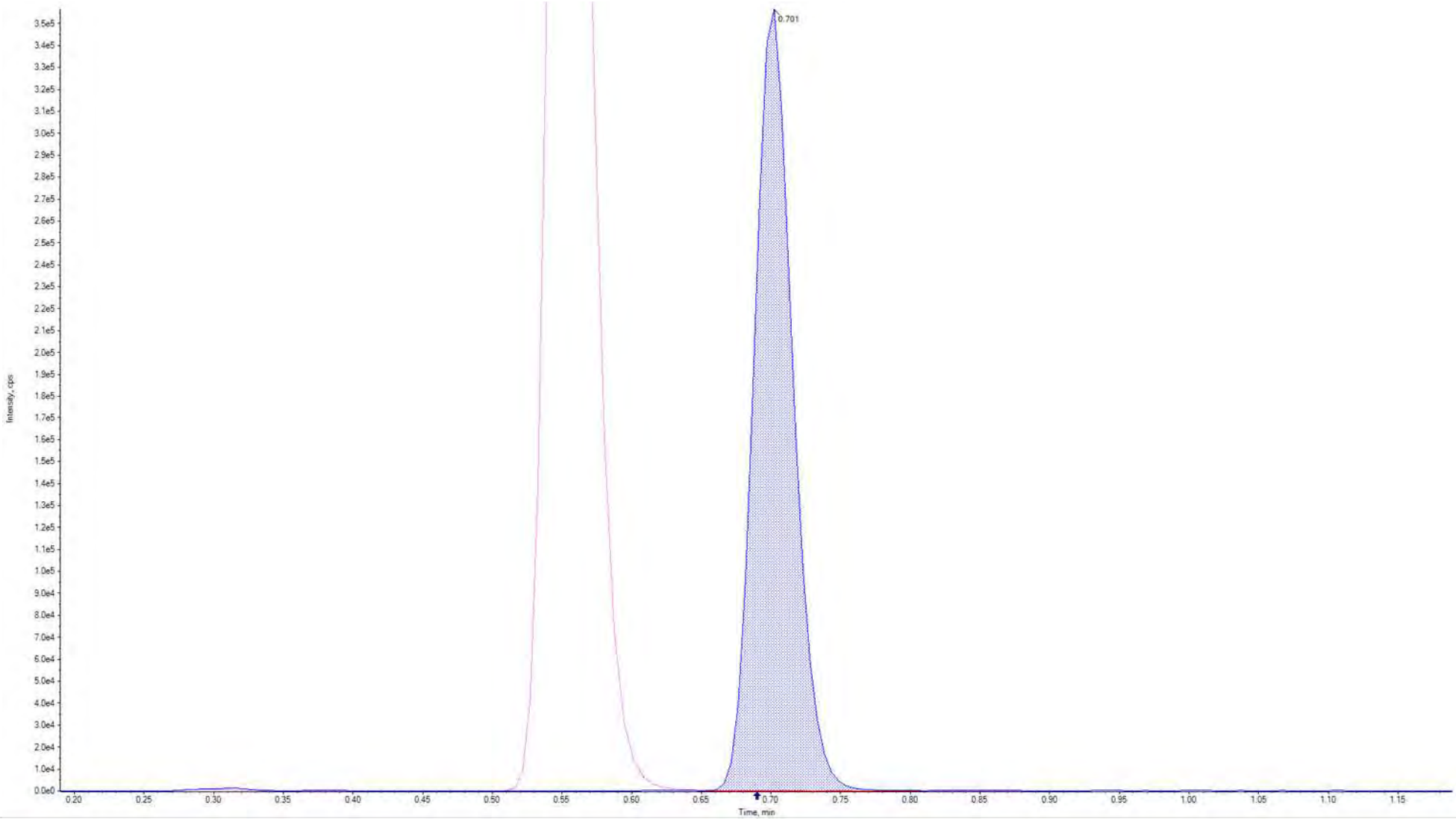
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFEESA_2
Sample: IA1633STD-2.5 S/N:1995.5 Points Across peak:25



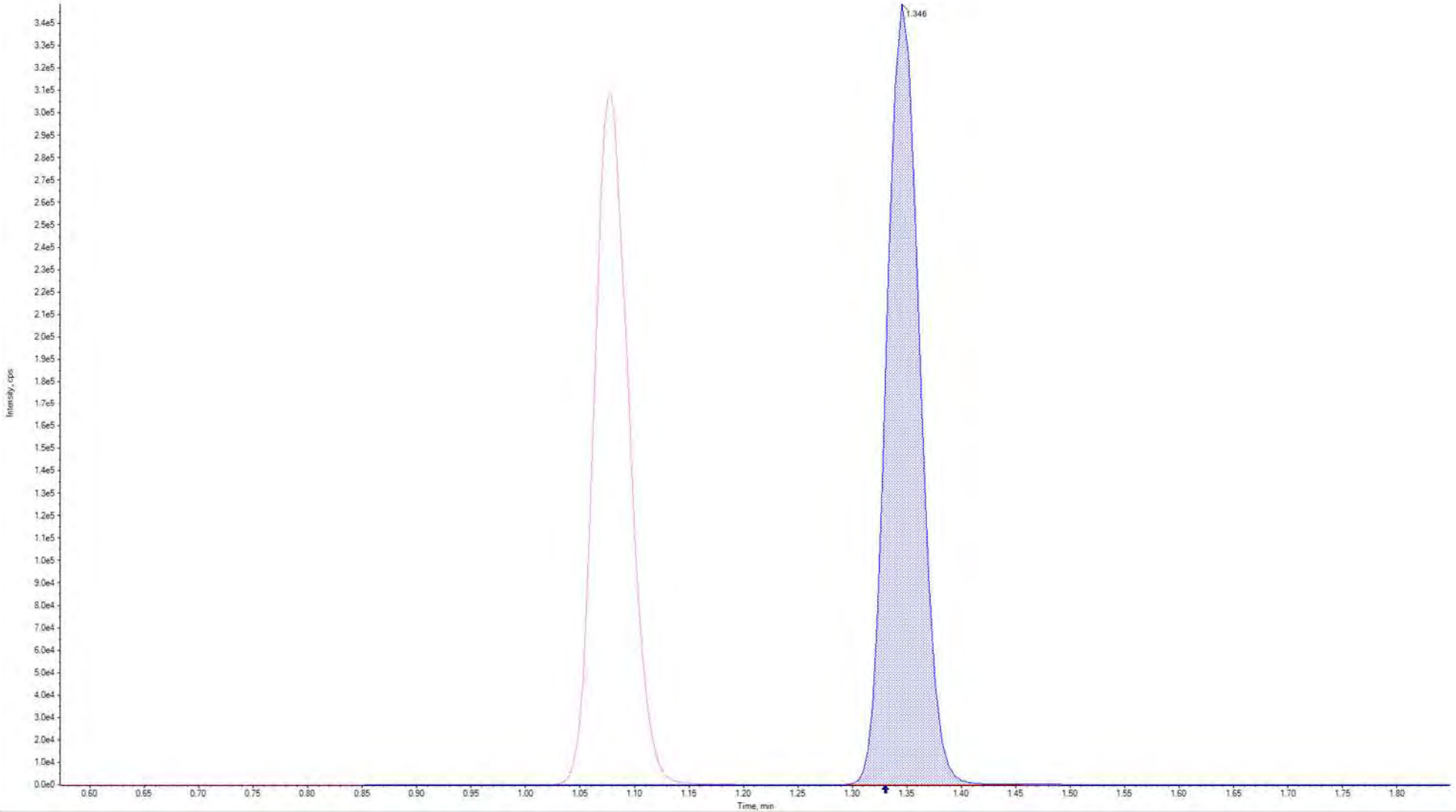
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFMPA
Sample: IA1633STD-2.5 S/N:6403.6 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFMBA
Sample: IA1633STD-2.5 S/N:20098.5 Points Across peak:33



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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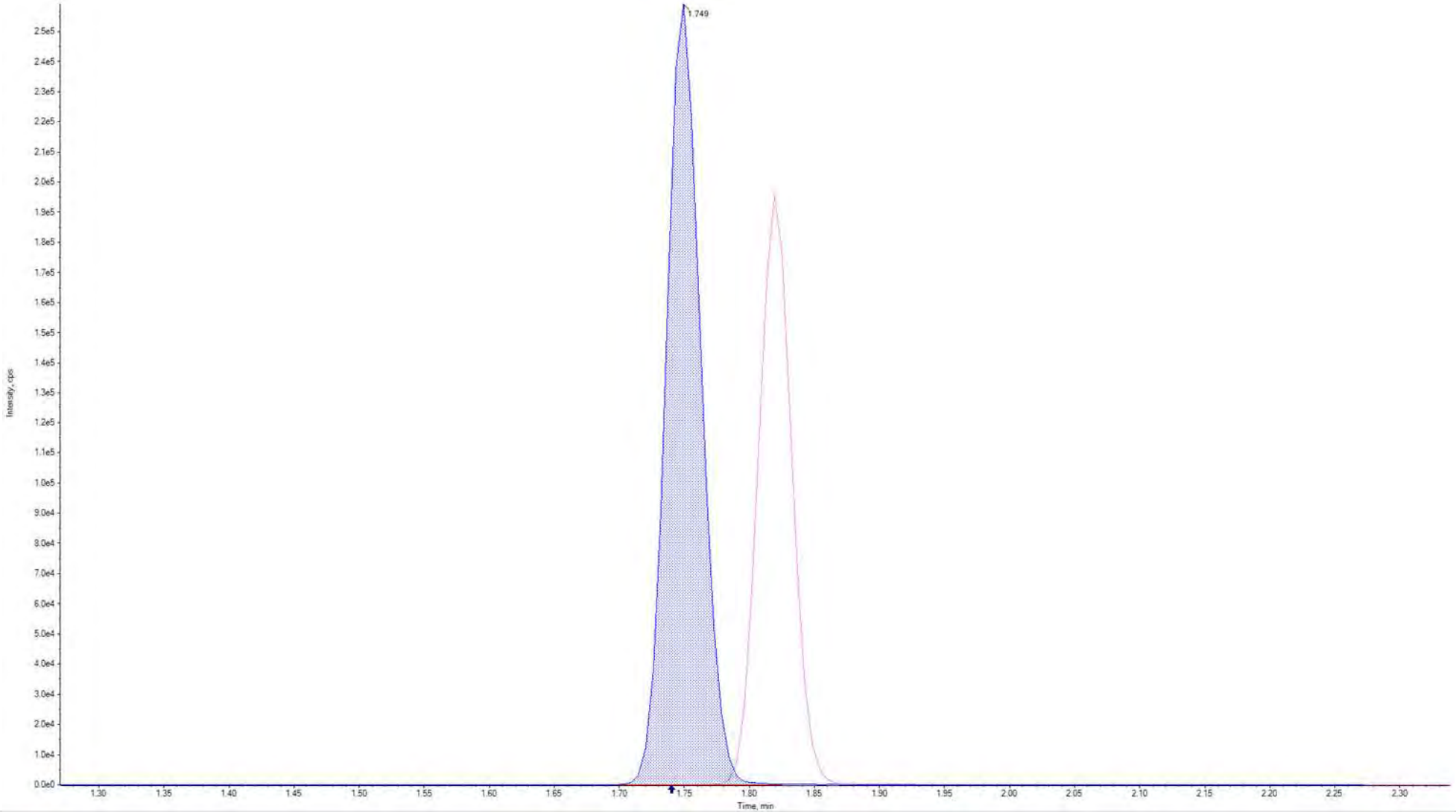
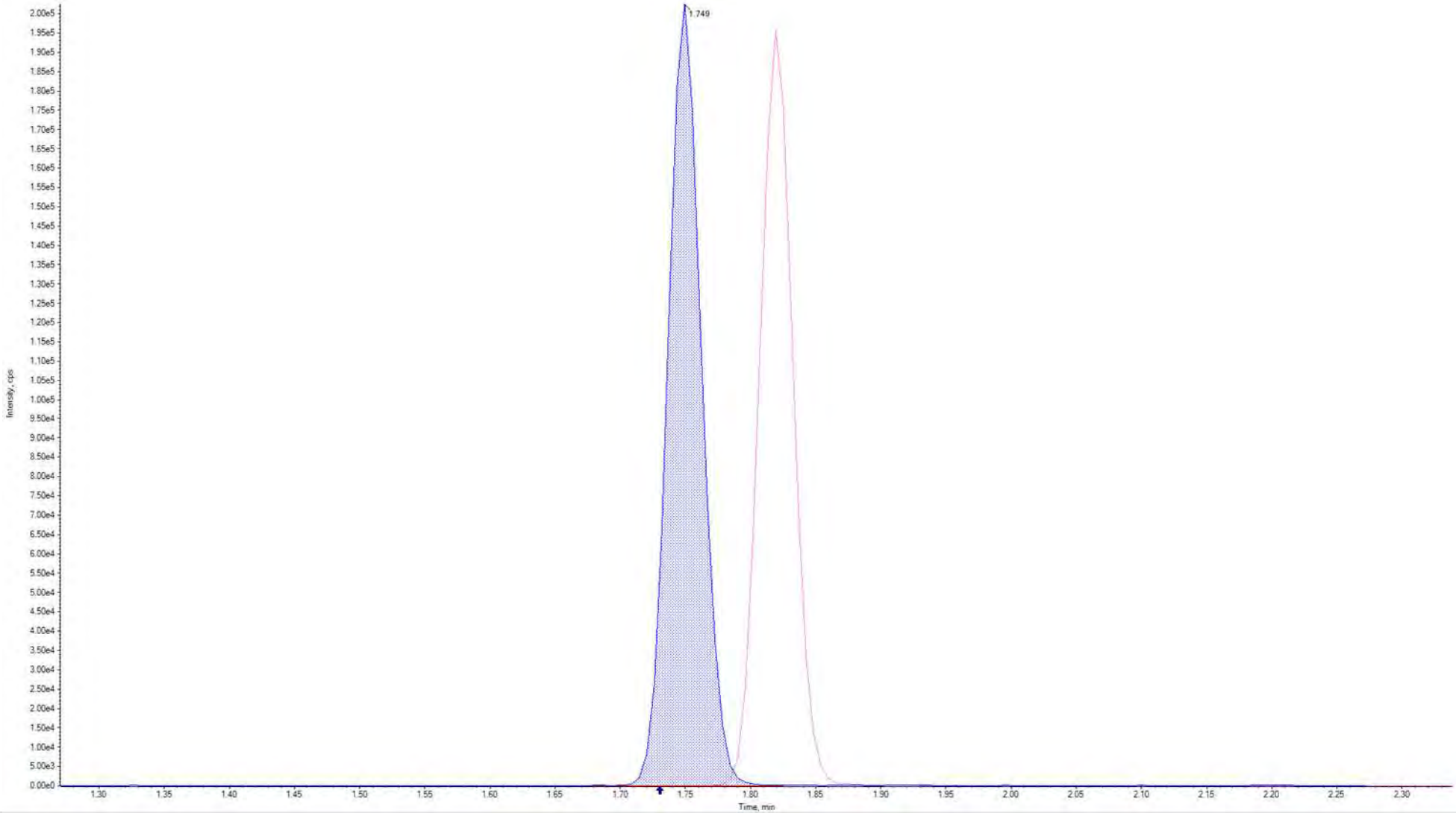
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NFDHA
Sample: IA1633STD-2.5 S/N:4541.2 Points Across peak:26



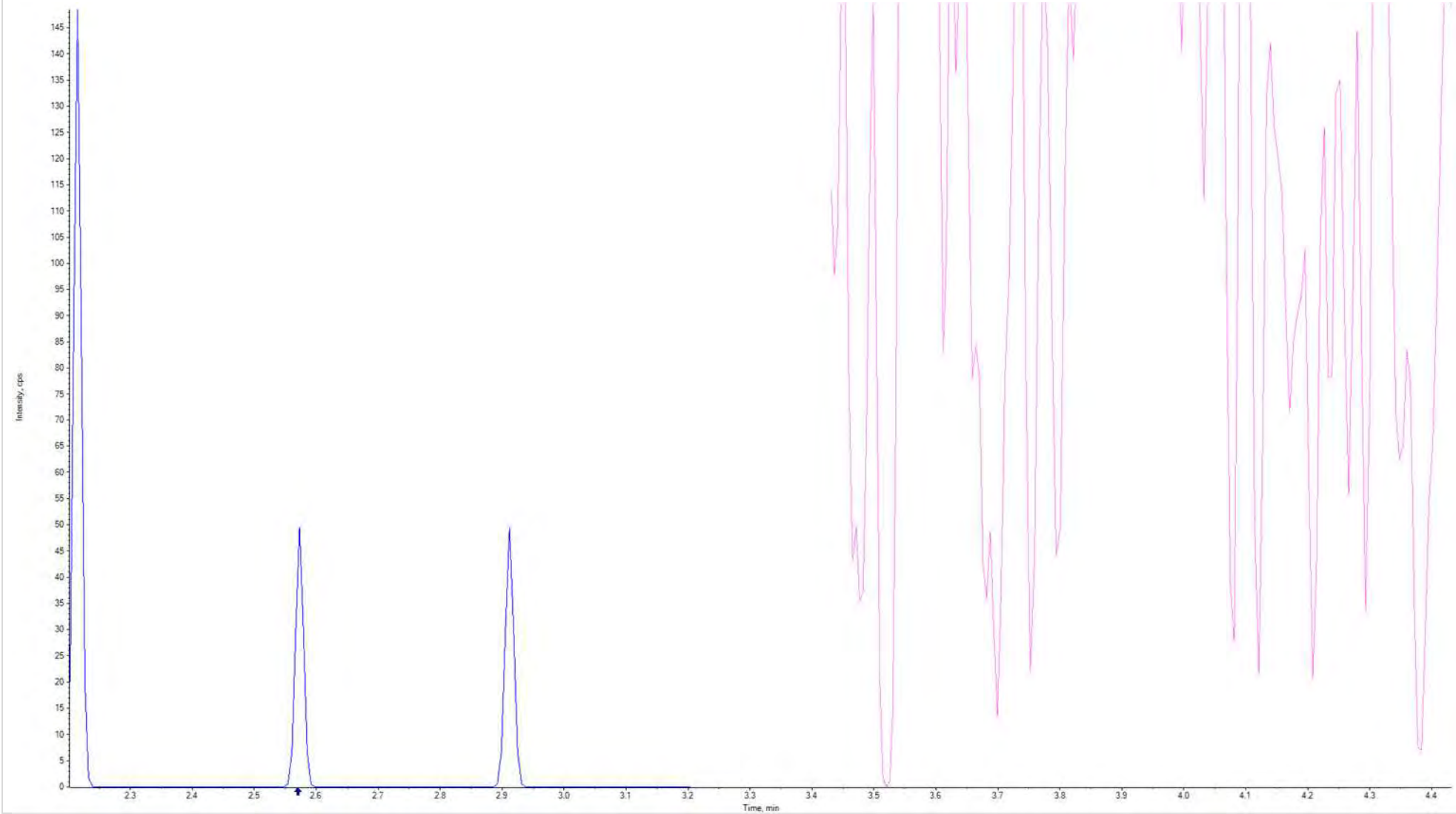
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NFDHA_2
Sample: IA1633STD-2.5 S/N:2888.9 Points Across peak:28

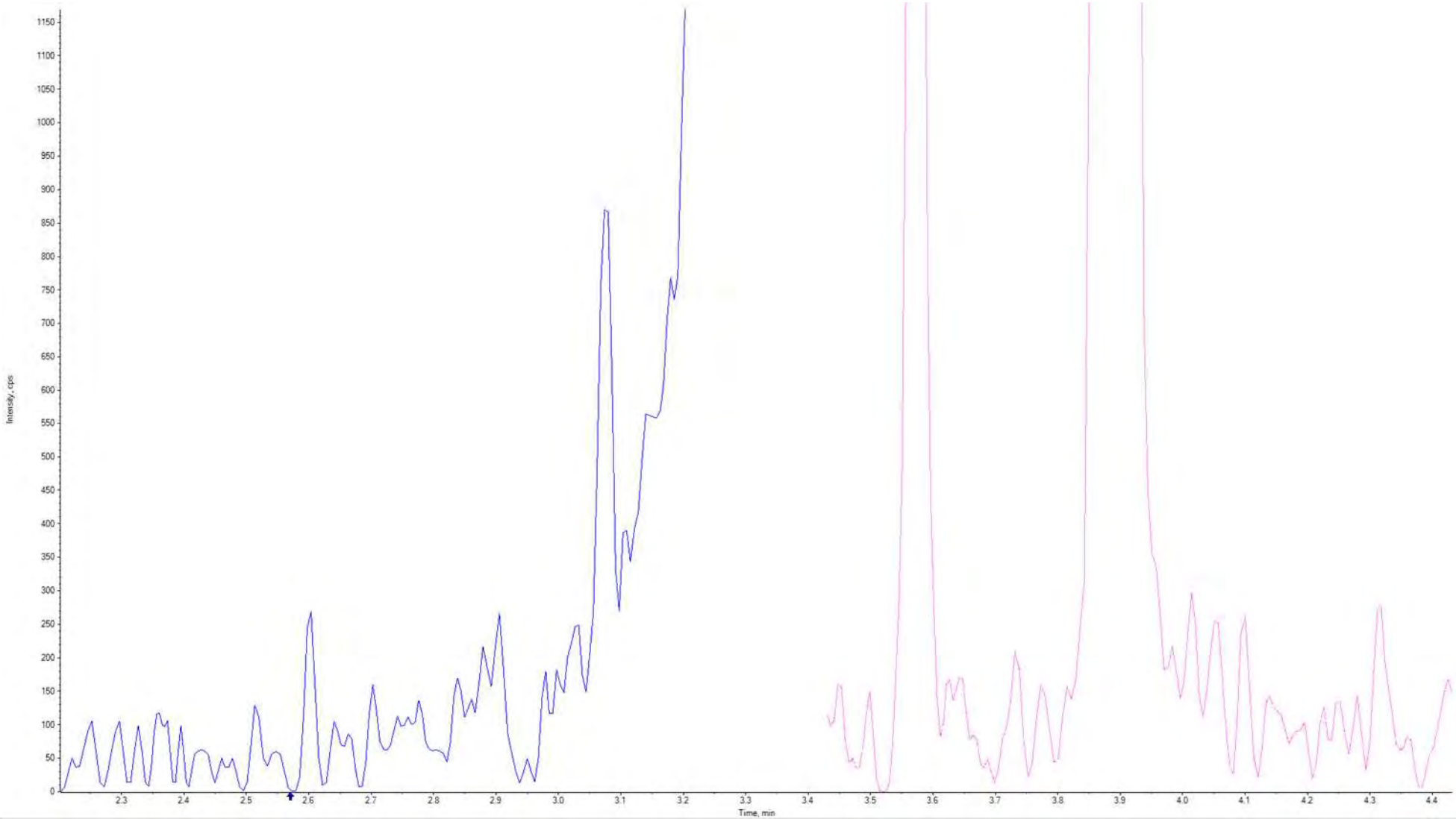


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

TDCA
Sample: IA1633STD-2.5 S/N:N/A Points Across peak:N/A

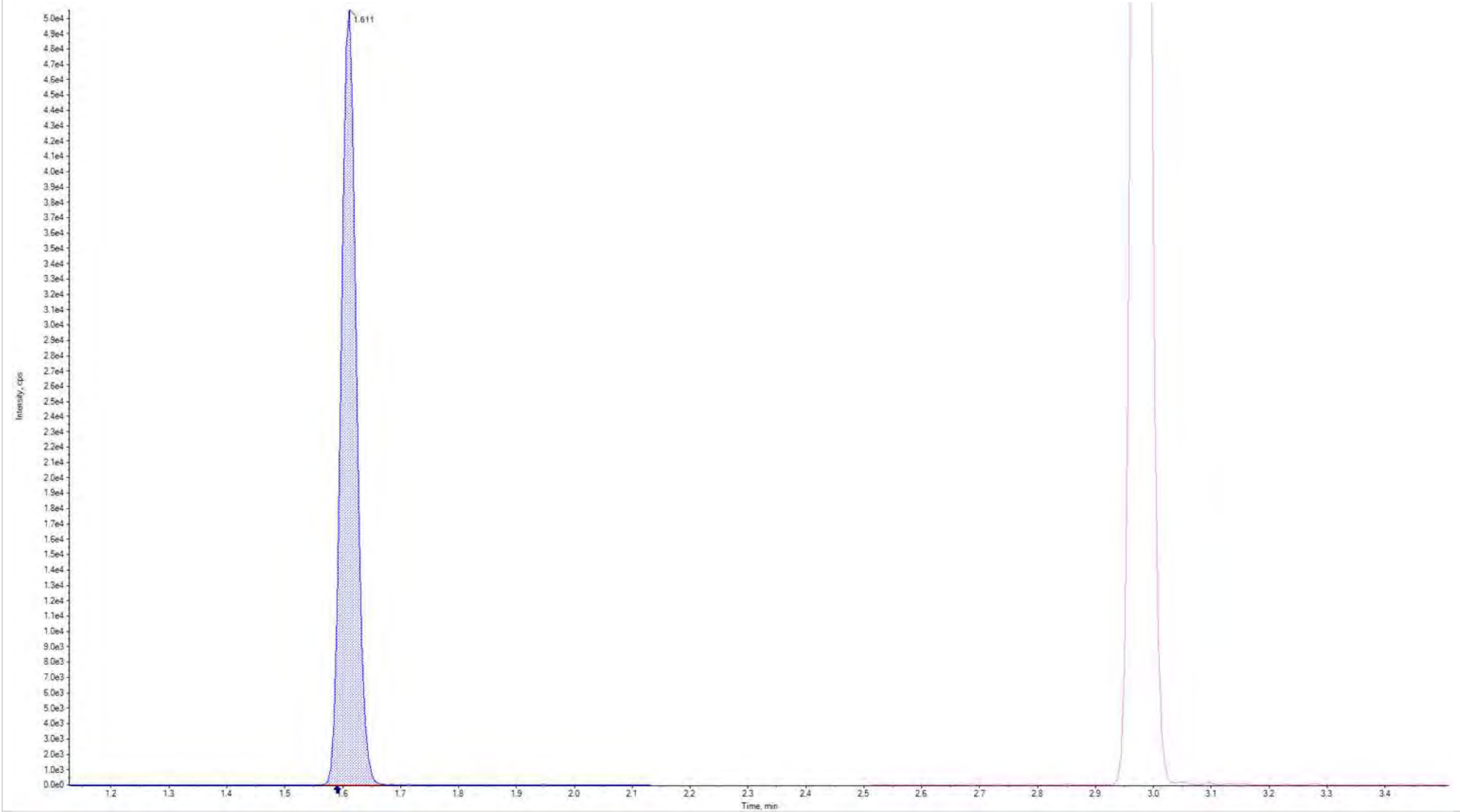


TDCA_2
Sample: IA1633STD-2.5 S/N:N/A Points Across peak:N/A



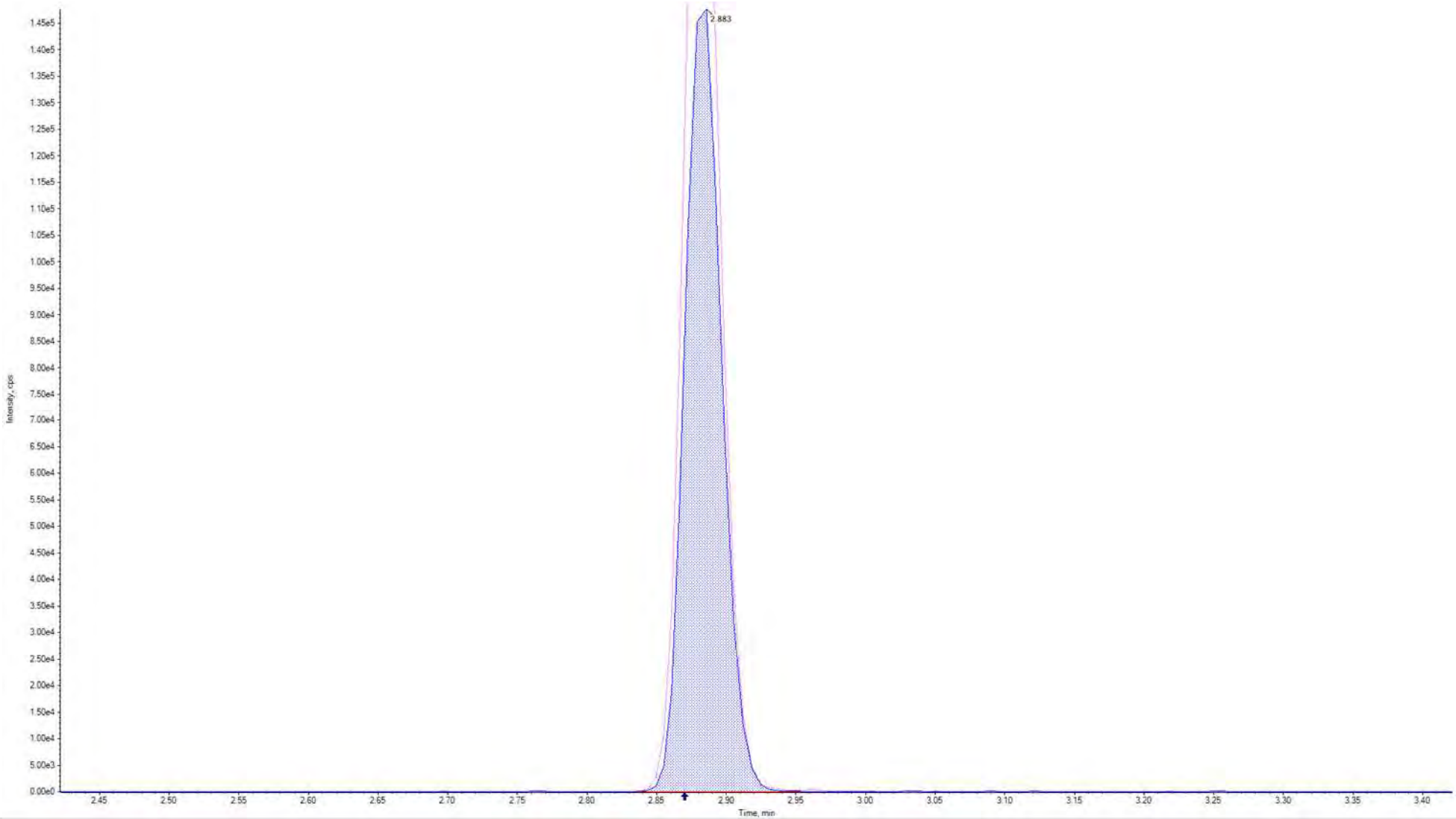
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

13C2D4-4:2FTS
Sample: IA1633STD-2.5 S/N:1900.9 Points Across peak:31

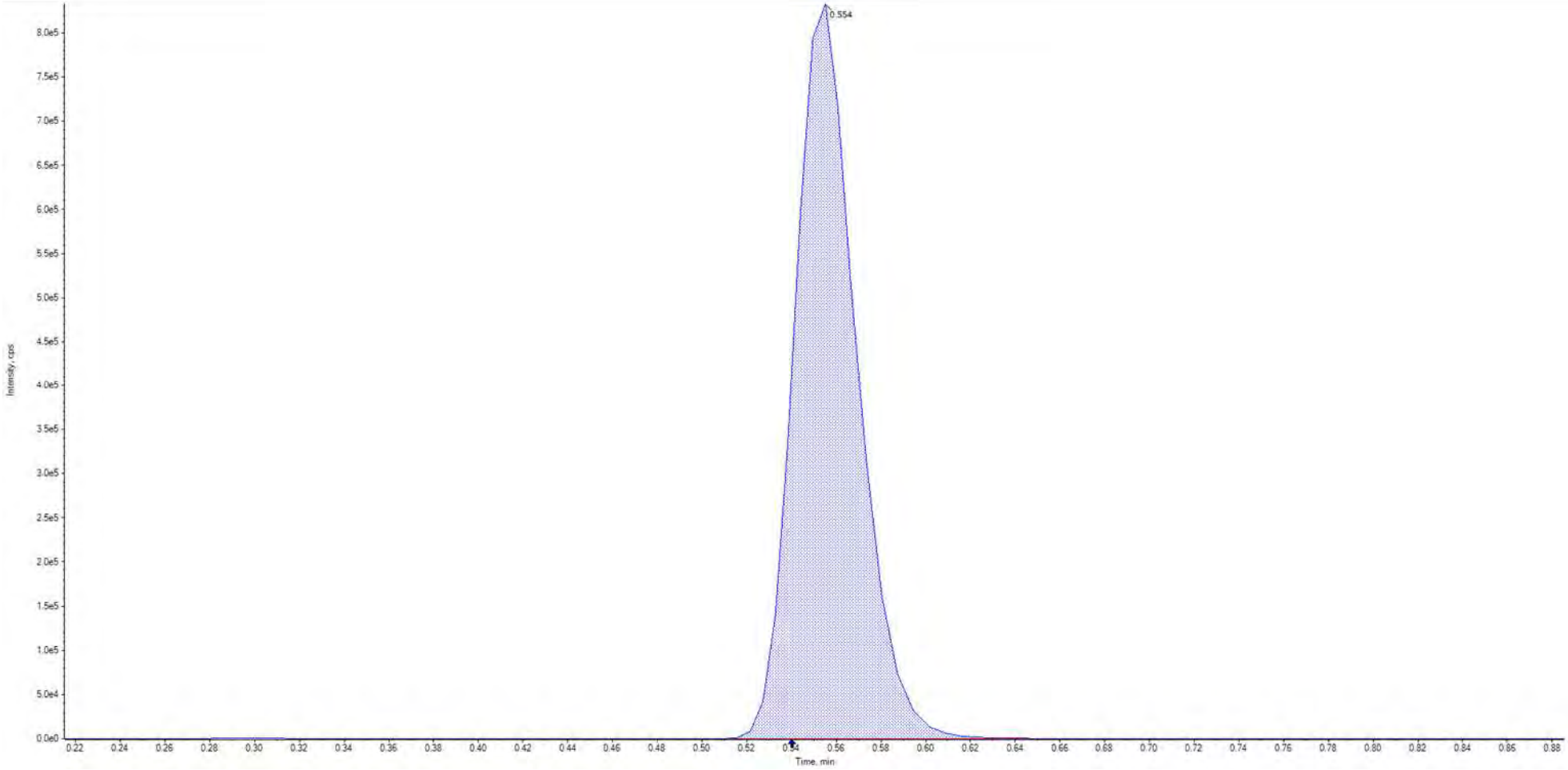


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

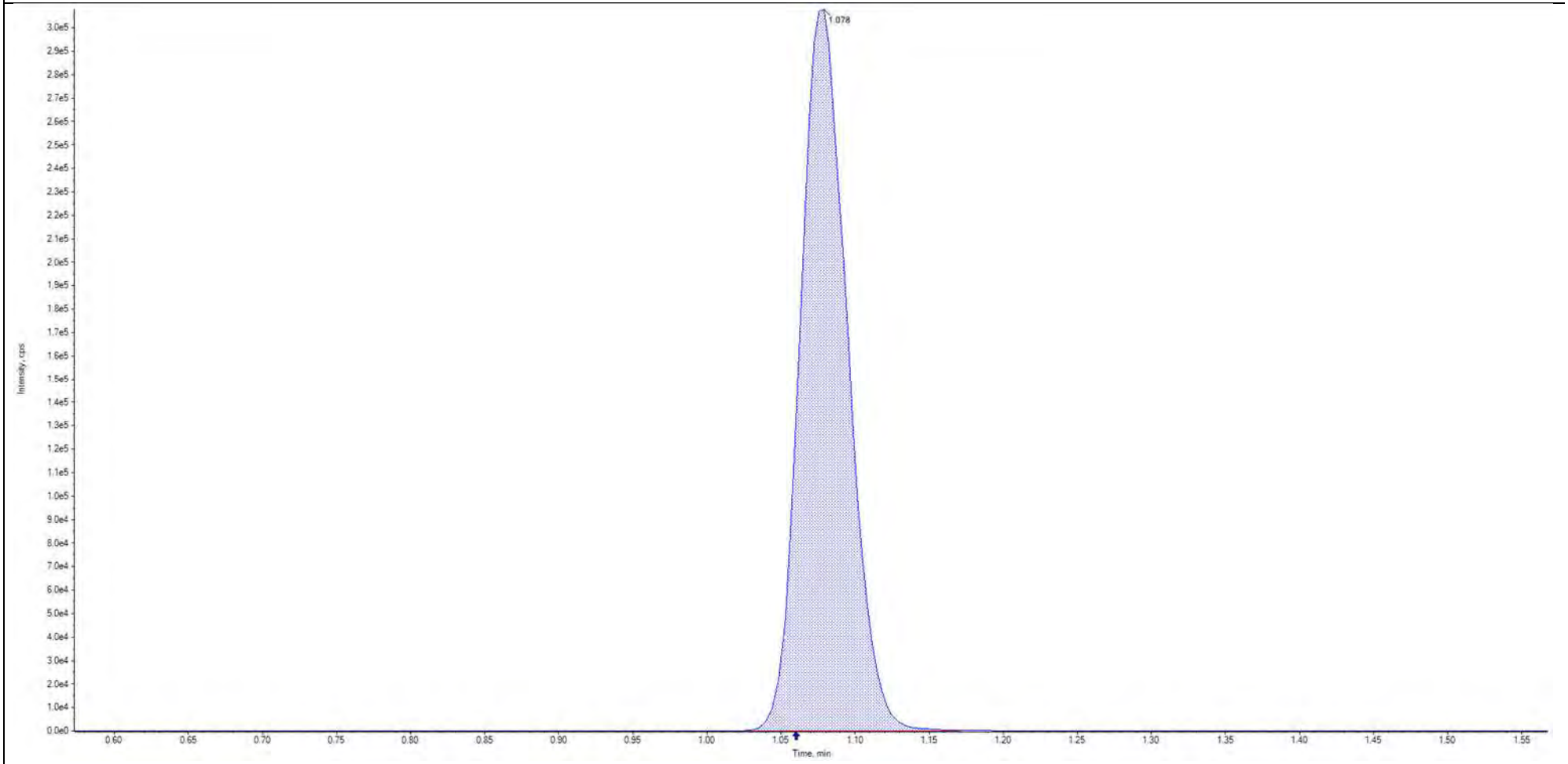
13C2-PFOA
Sample: IA1633STD-2.5 S/N:3331.3 Points Across peak:32



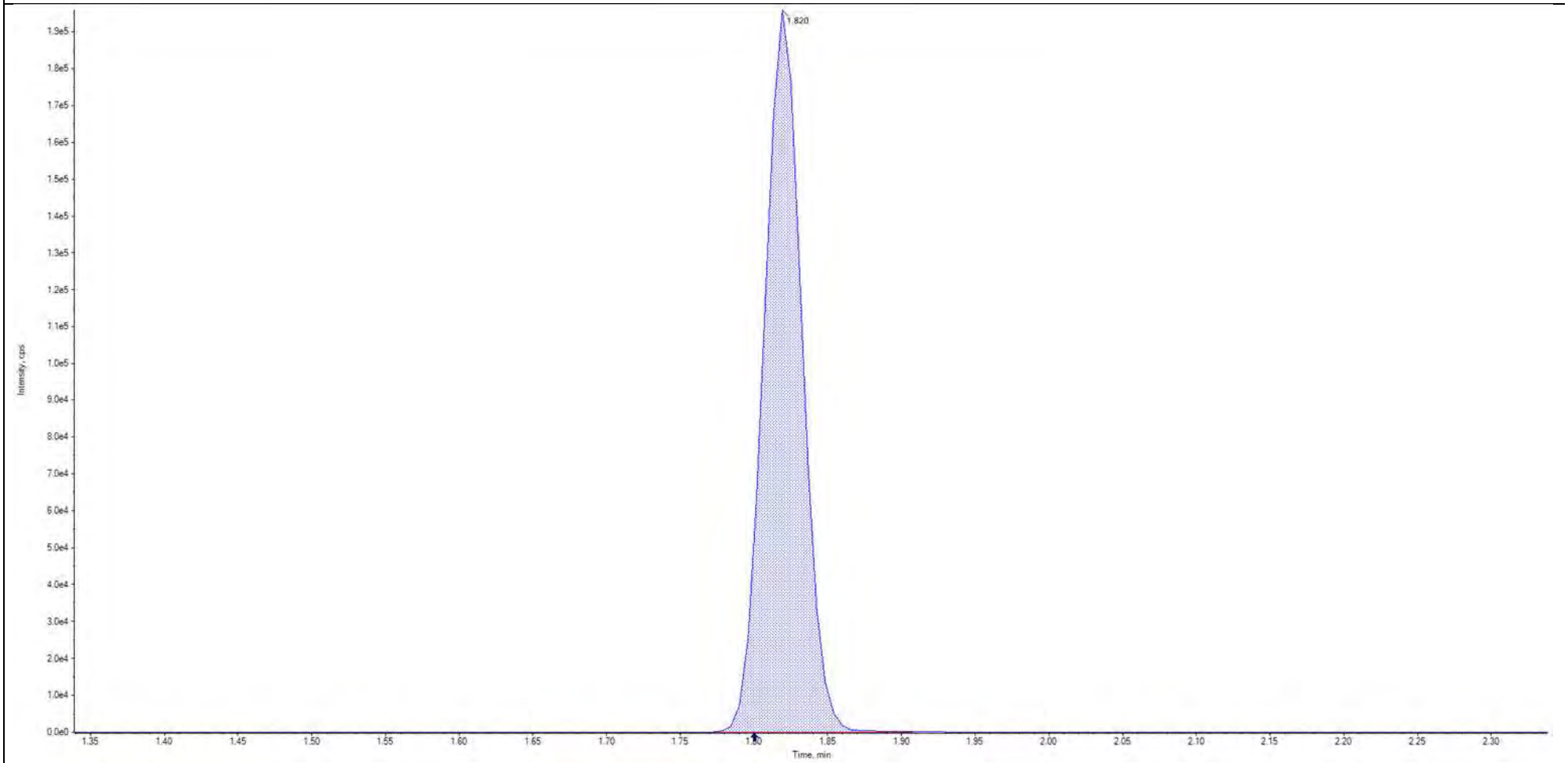
13C4-PFBA
Sample: IA1633STD-2.5



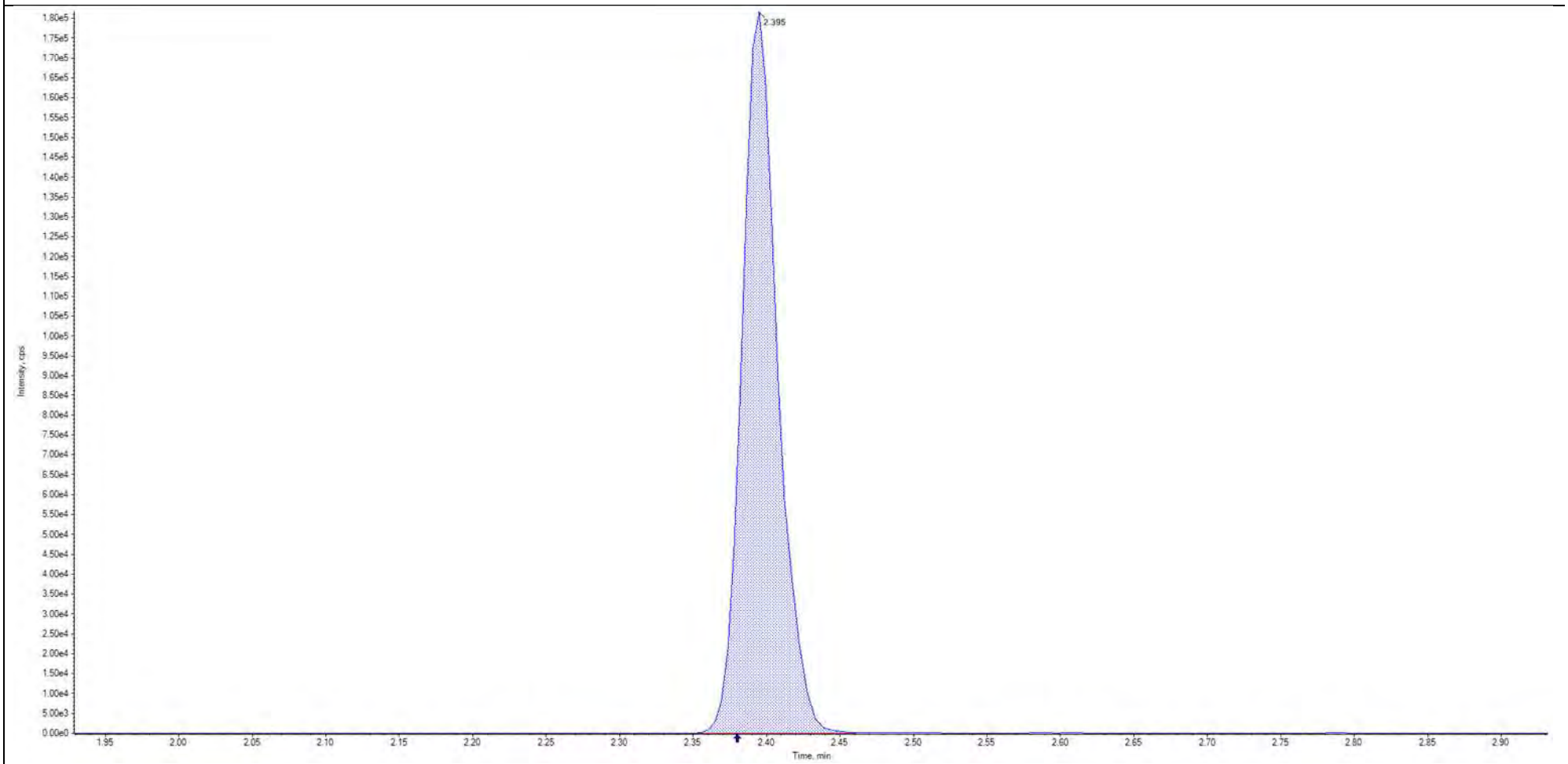
13C5-PFPeA
Sample: IA1633STD-2.5



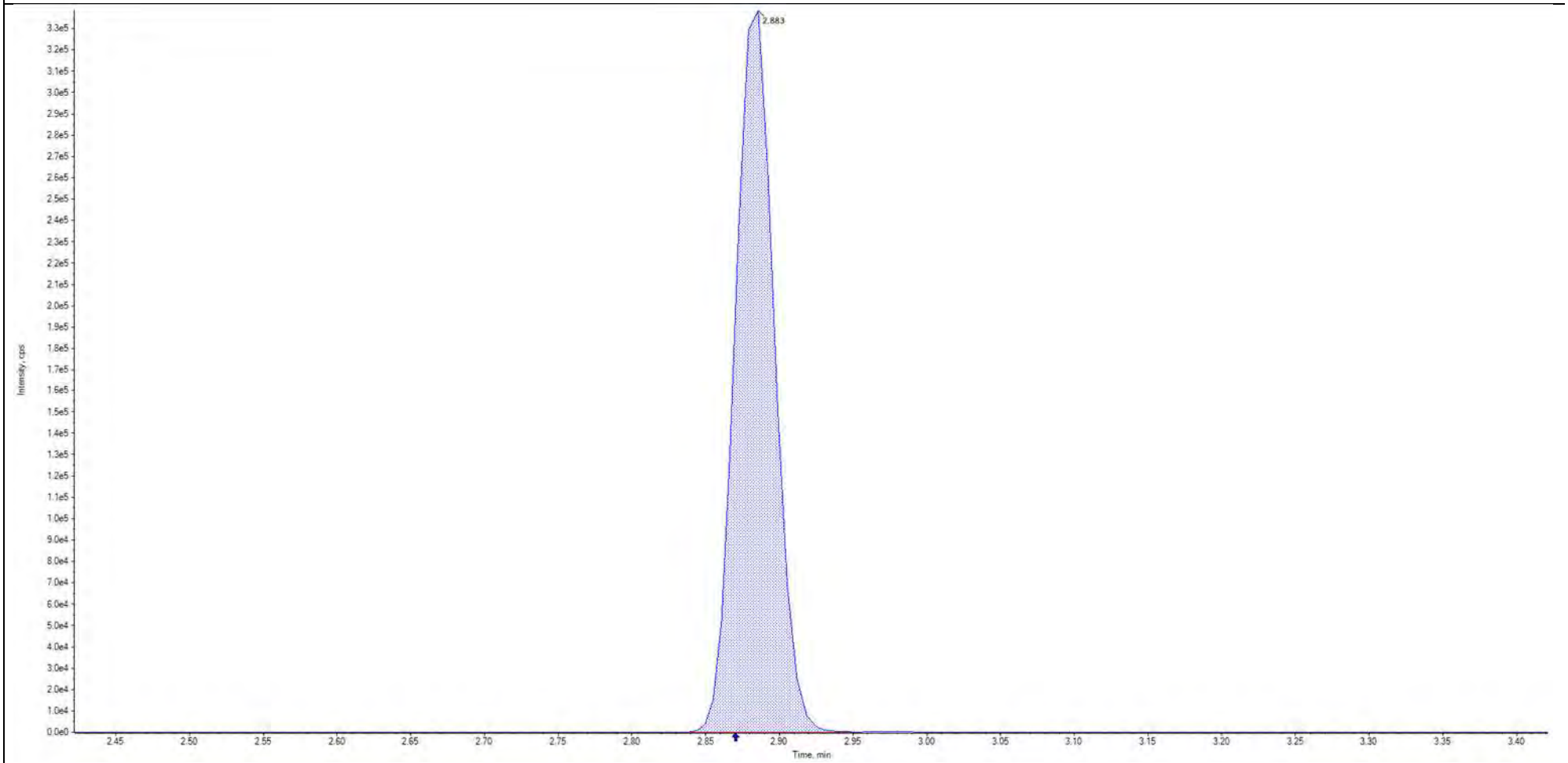
13C5-PFHxA
Sample: IA1633STD-2.5



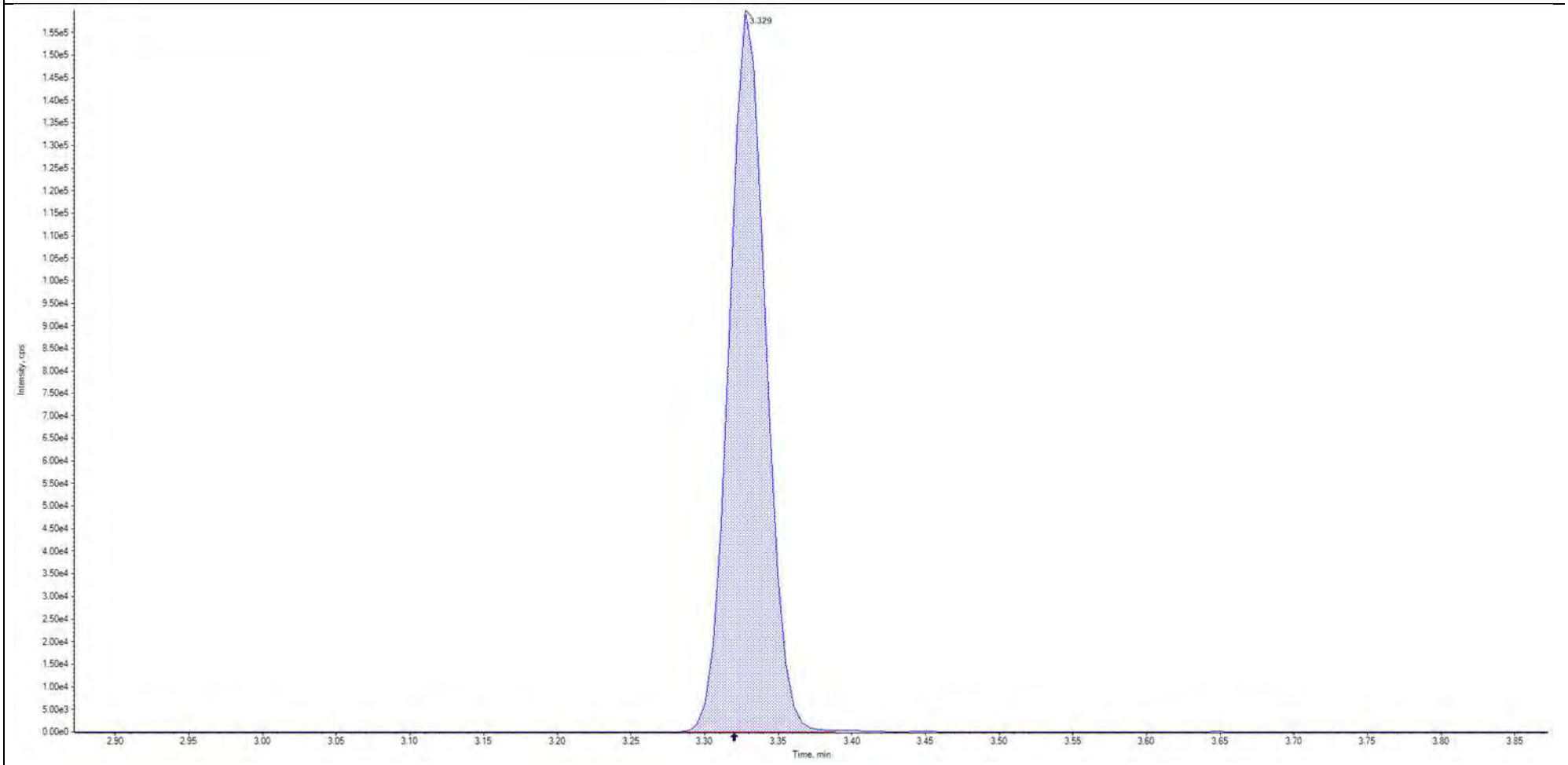
13C4-PFHpA
Sample: IA1633STD-2.5



13C8-PFOA
Sample: IA1633STD-2.5



13C9-PFNA
Sample: IA1633STD-2.5



13C6-PFDA
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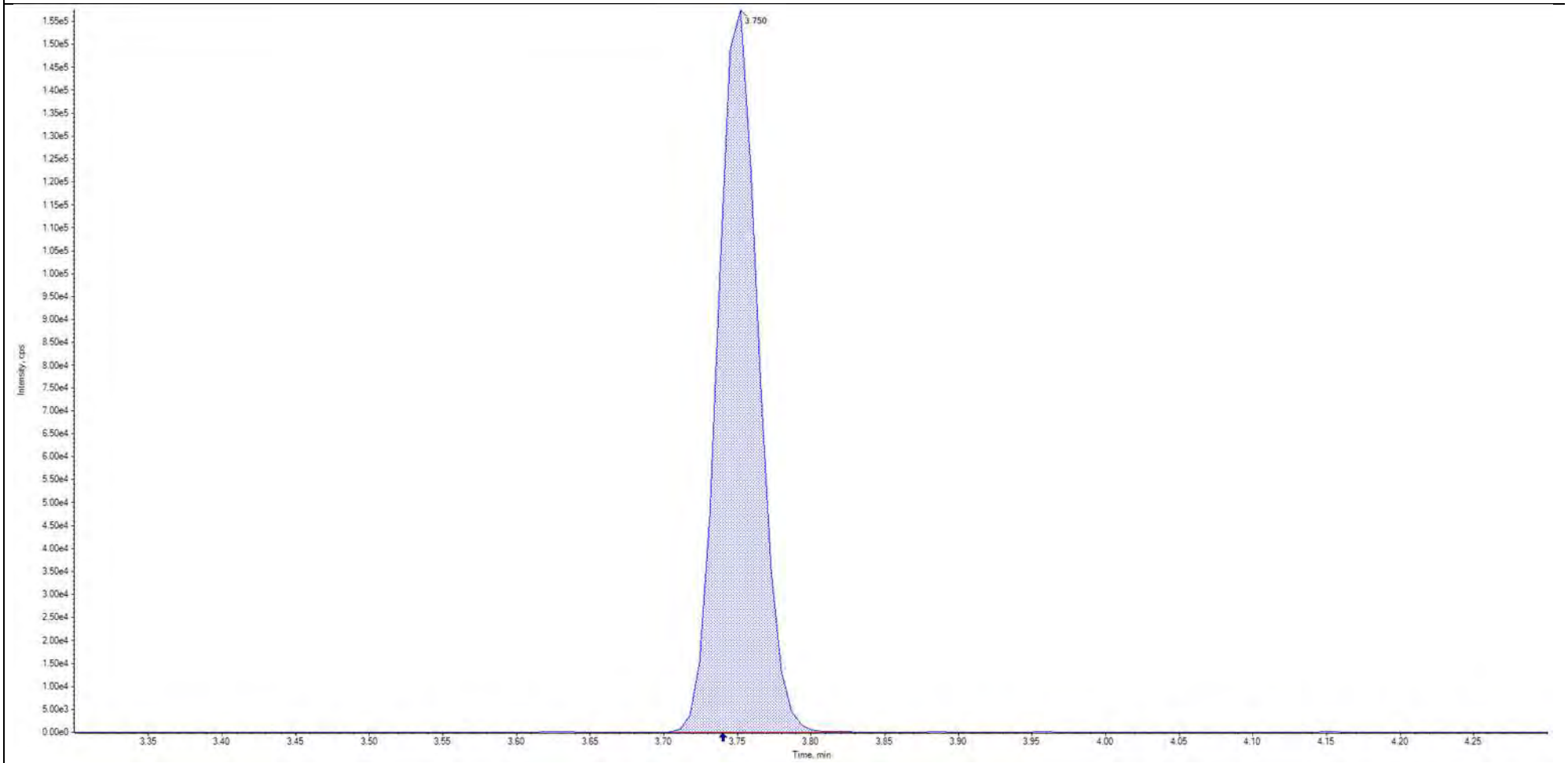

13C7-PFUnA
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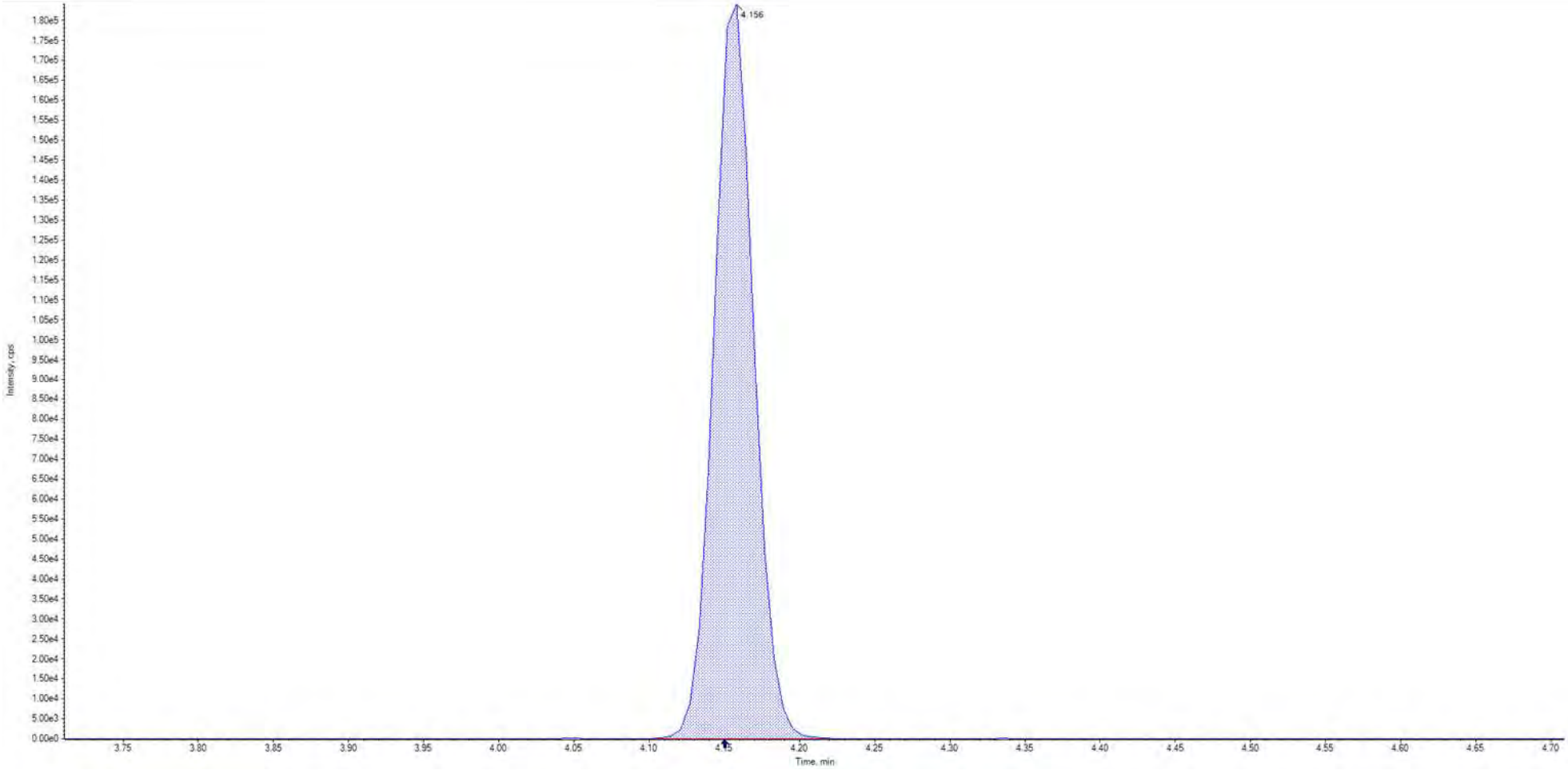
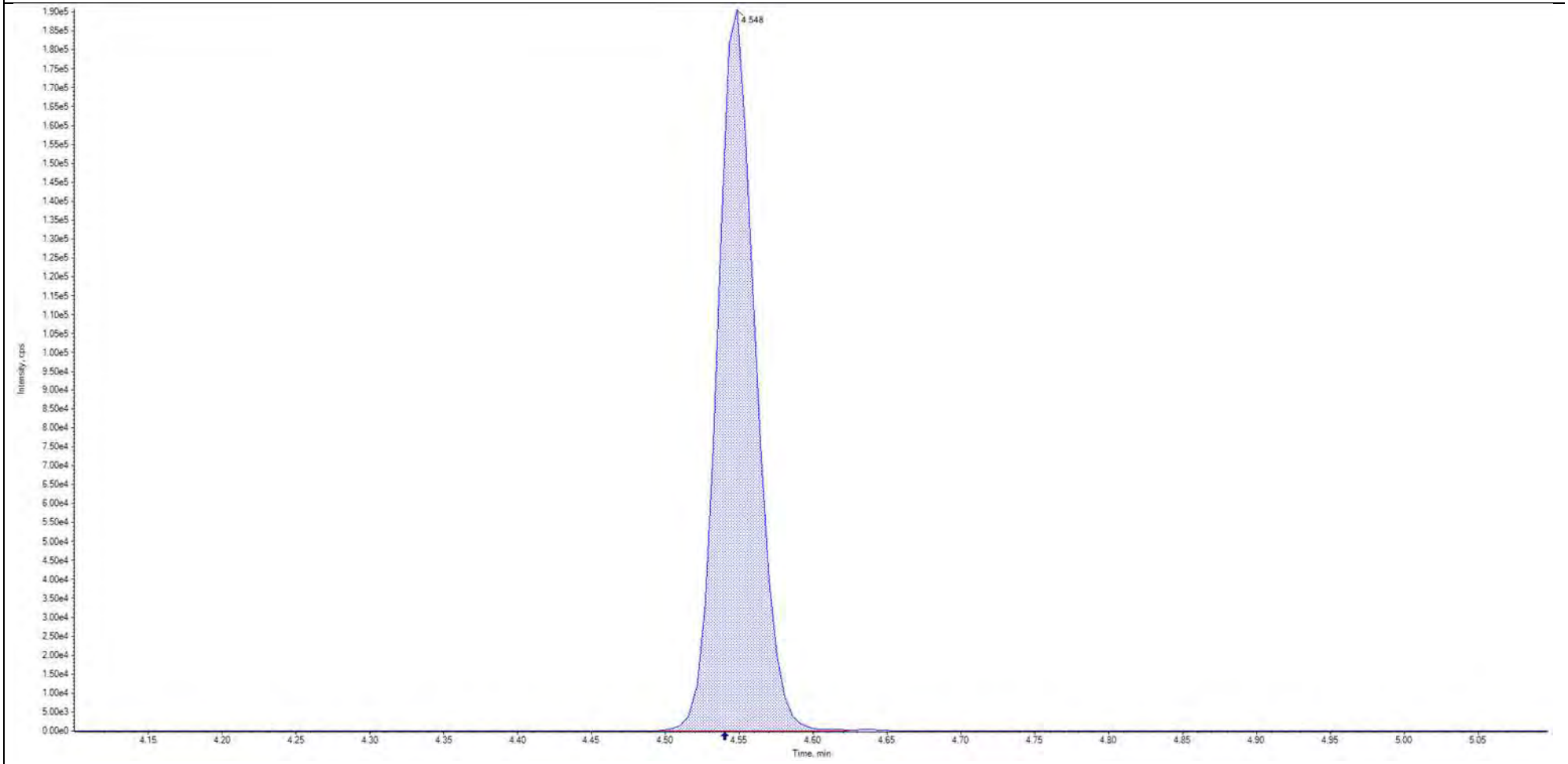
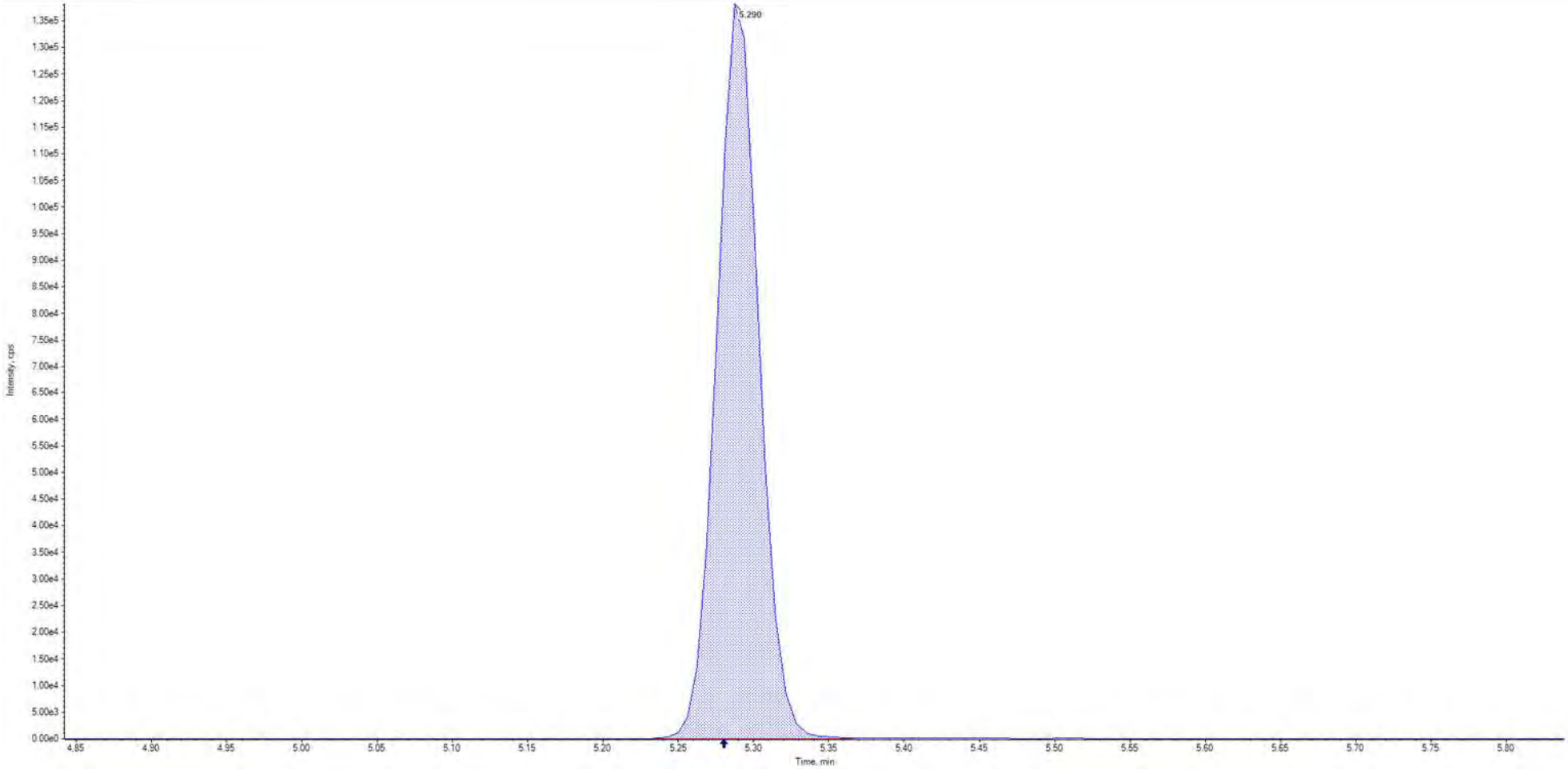


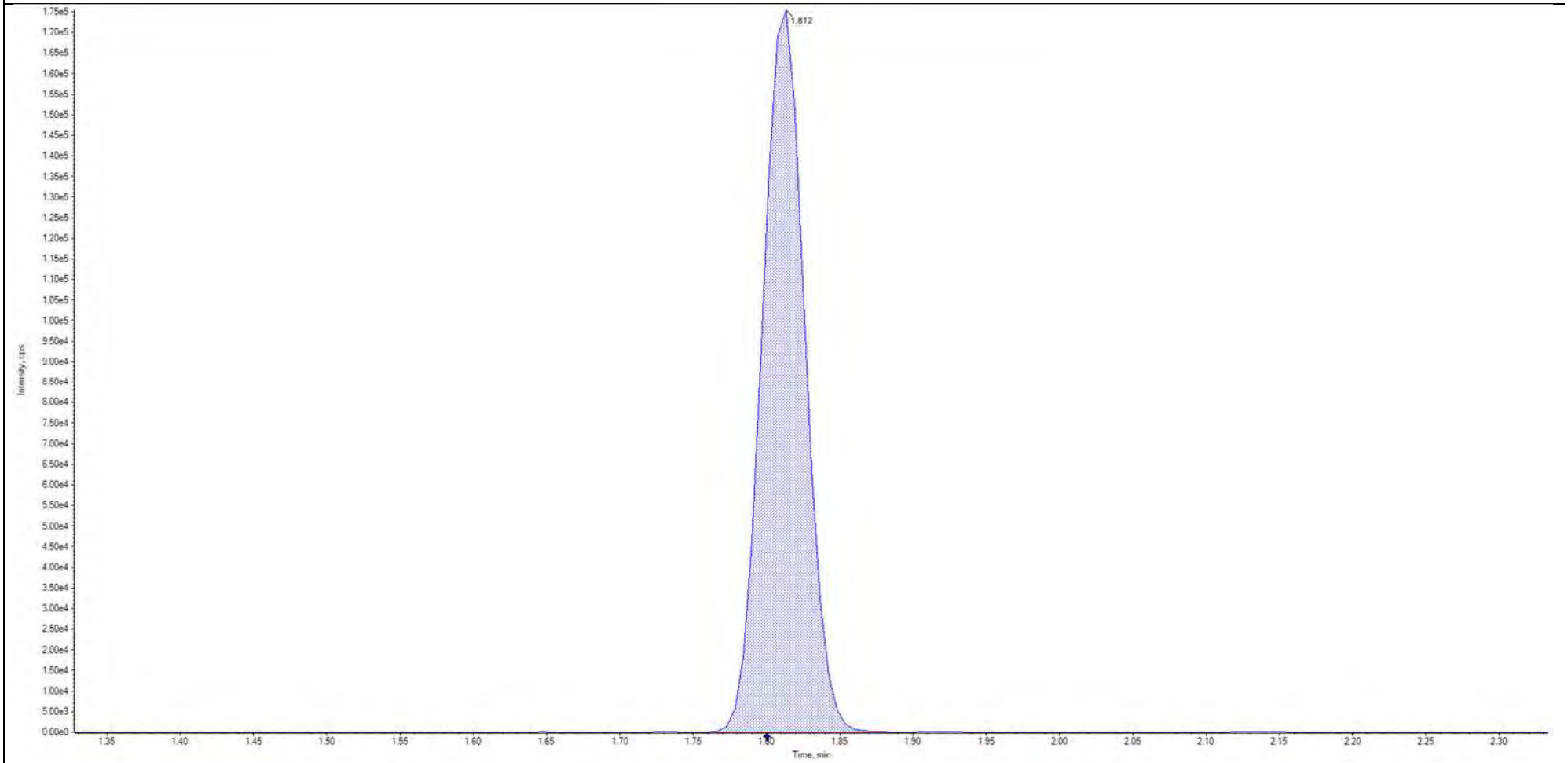
13C2-PFDoA
Sample: IA1633STD-2.5



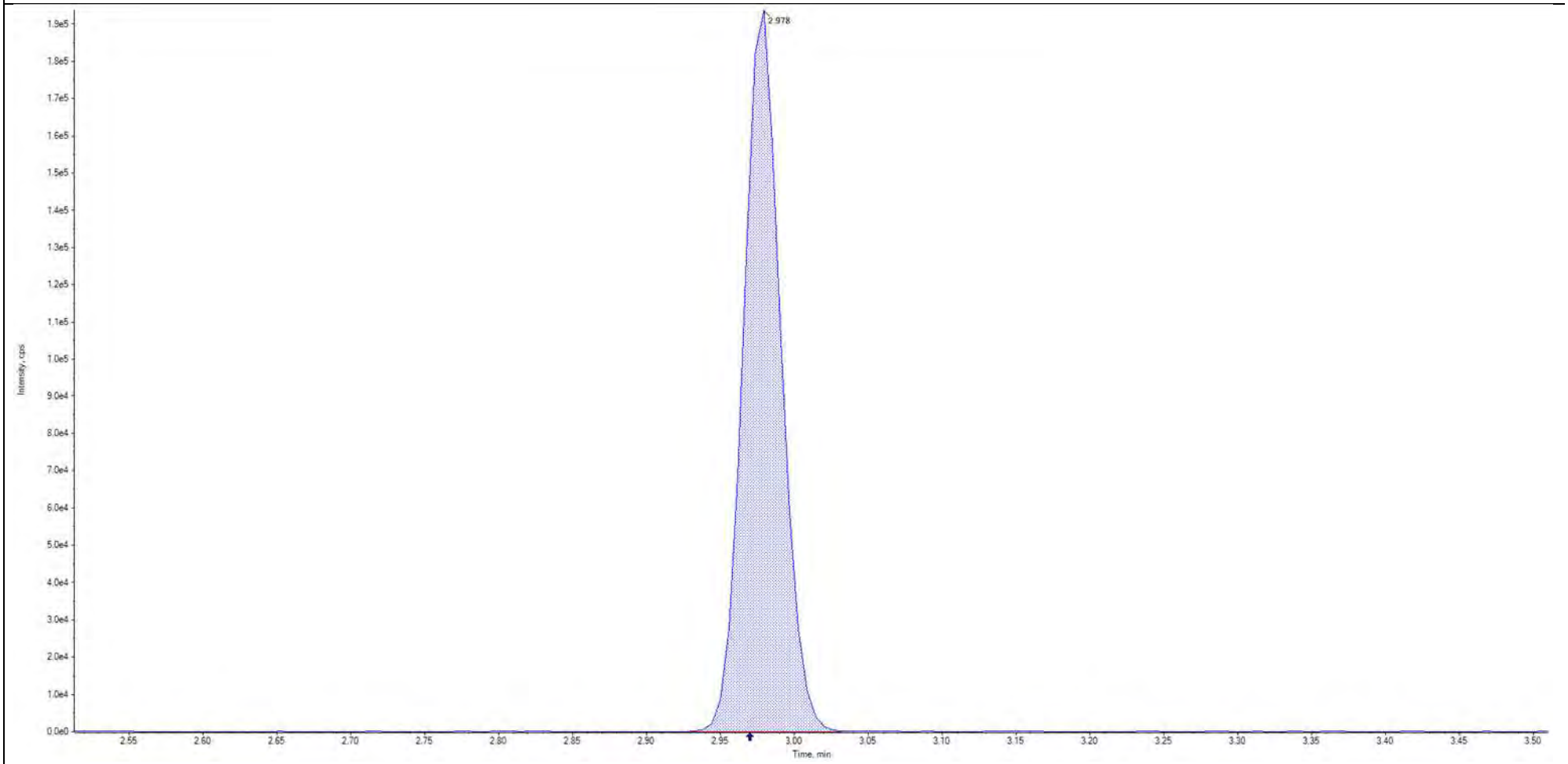
13C2-PFTeDA
Sample: IA1633STD-2.5



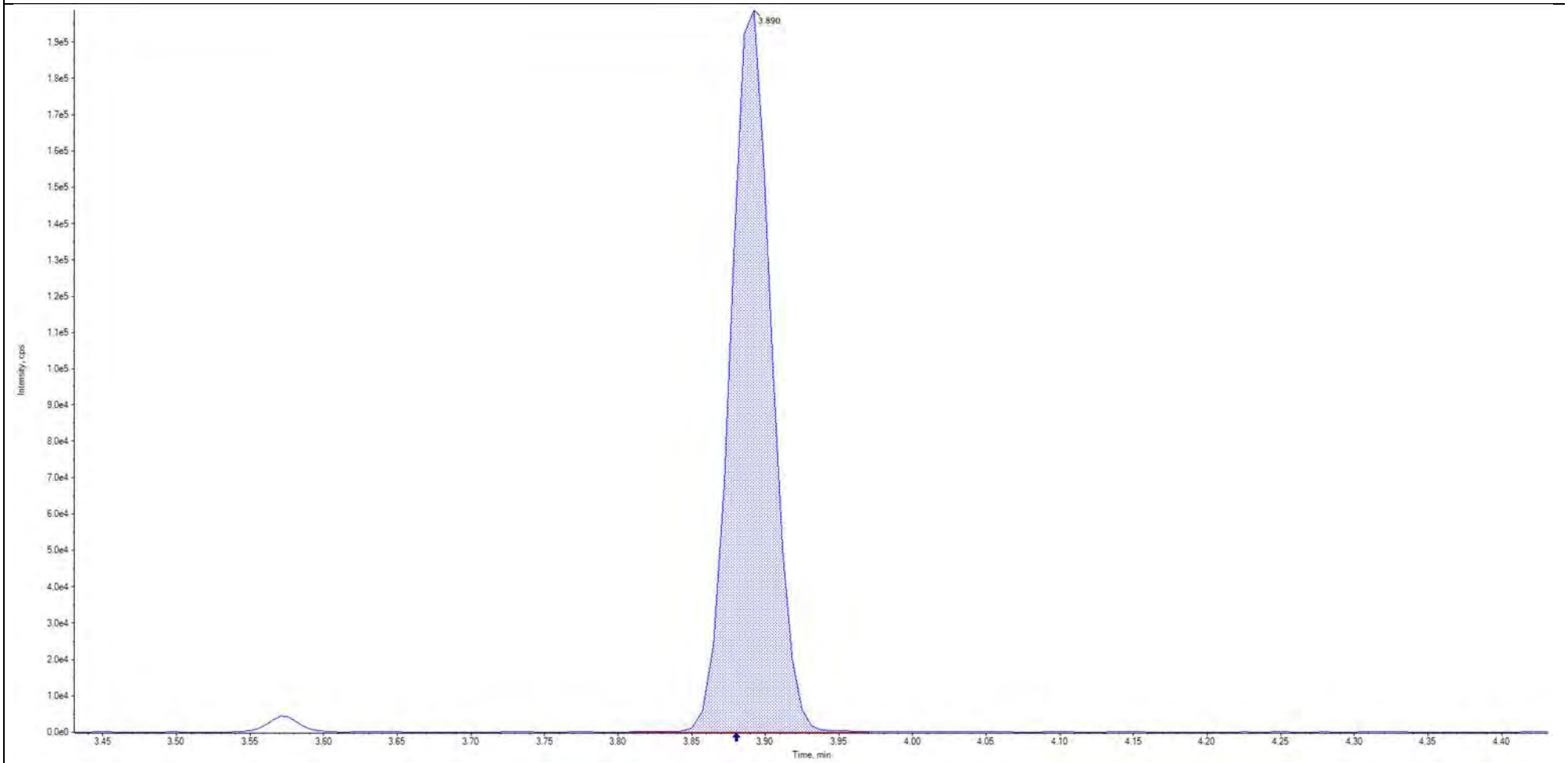
13C3-PFBS
Sample: IA1633STD-2.5



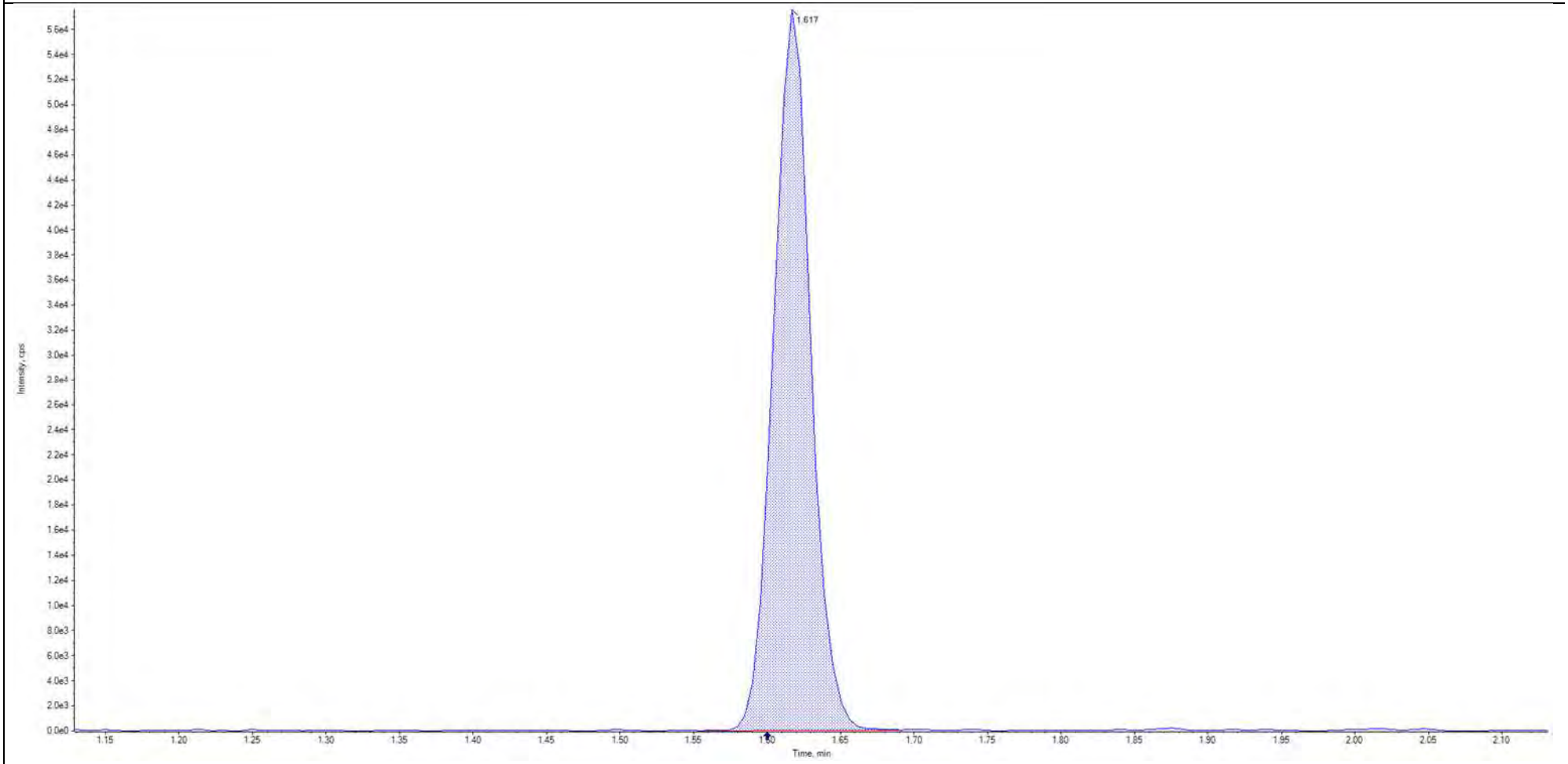
13C3-PFHxS
Sample: IA1633STD-2.5



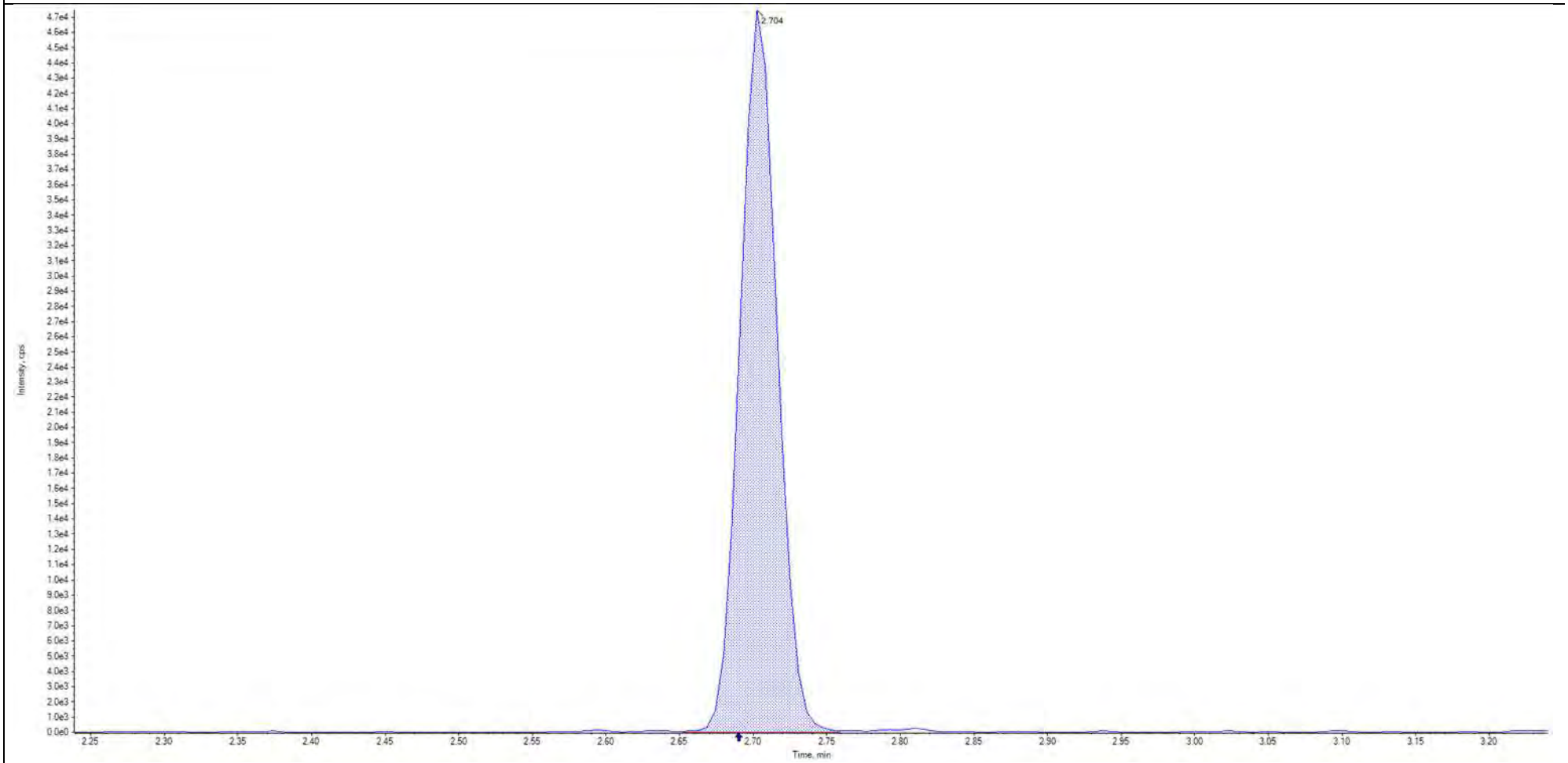
13C8-PFOS
Sample: IA1633STD-2.5



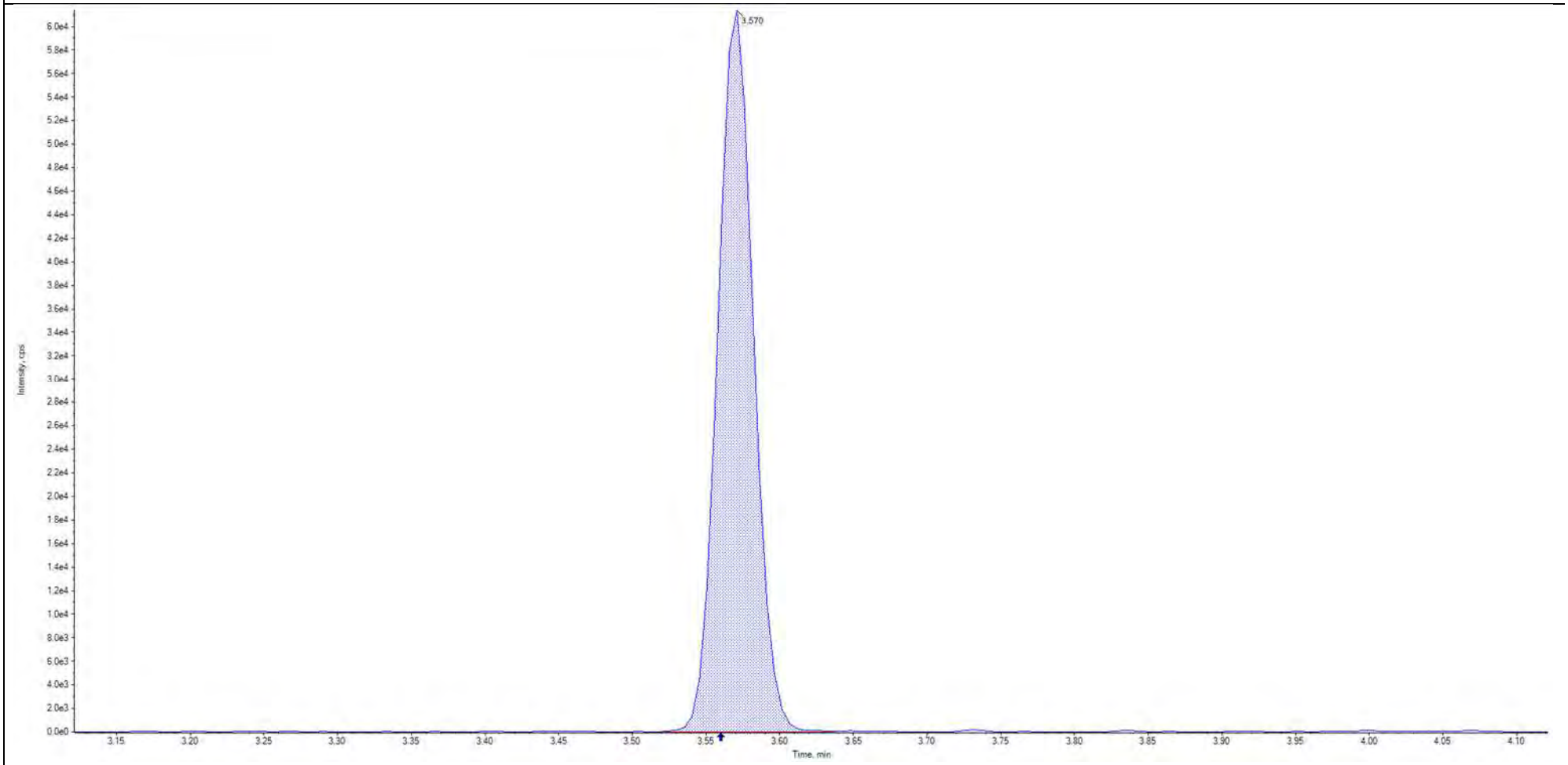
13C2-4:2FTS
Sample: IA1633STD-2.5



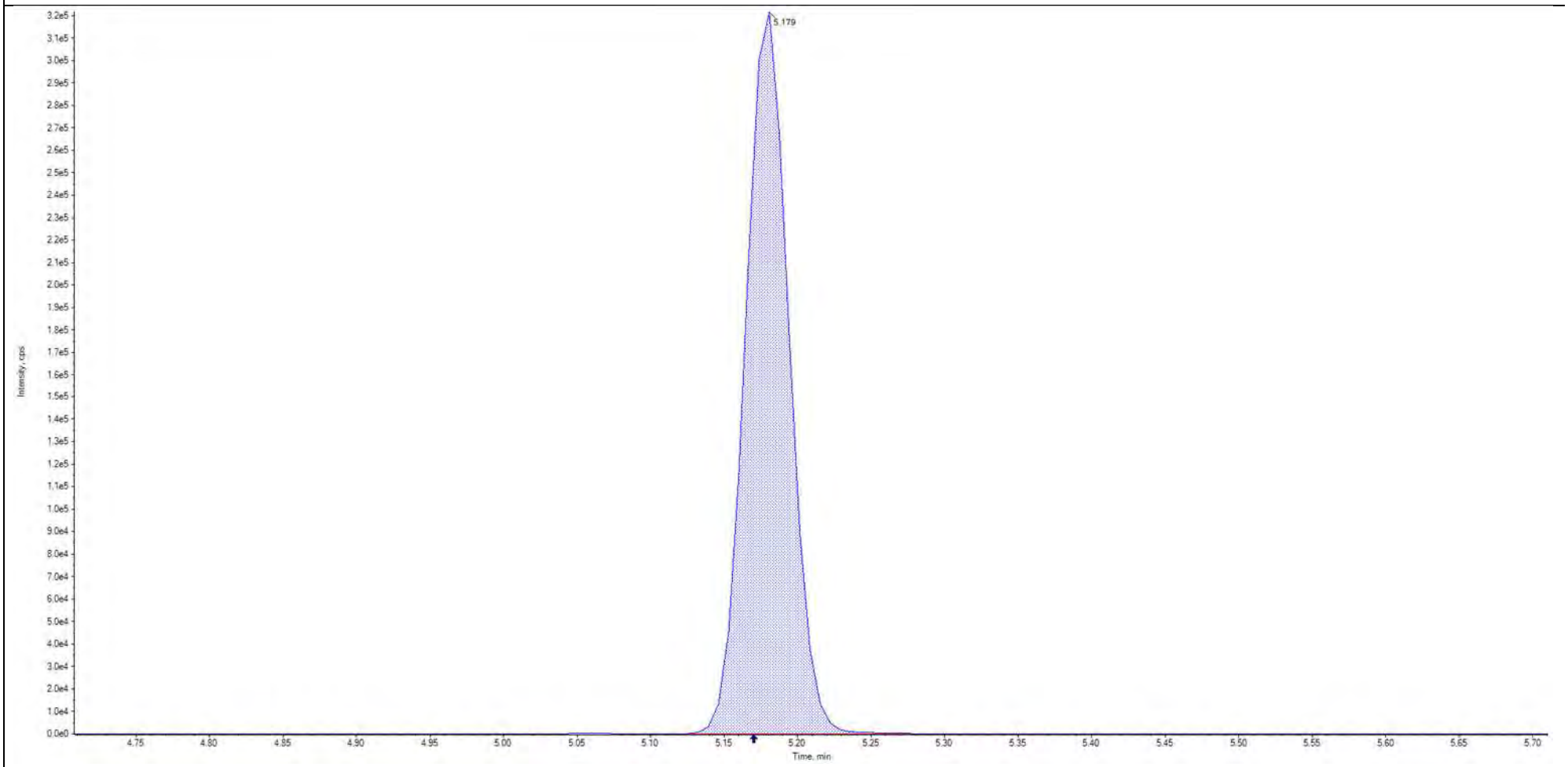
13C2-6:2FTS
Sample: IA1633STD-2.5



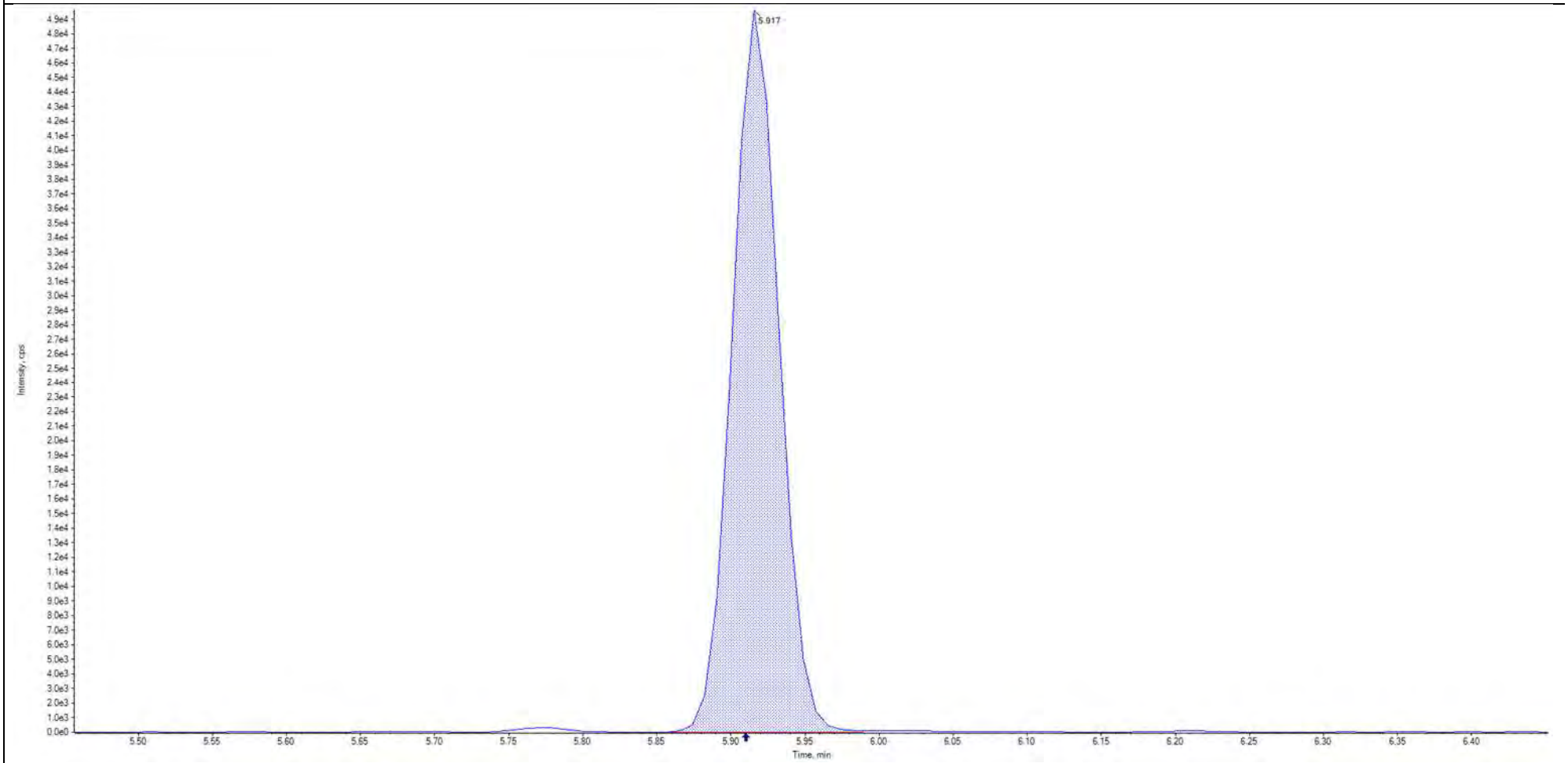
13C2-8:2FTS
Sample: IA1633STD-2.5



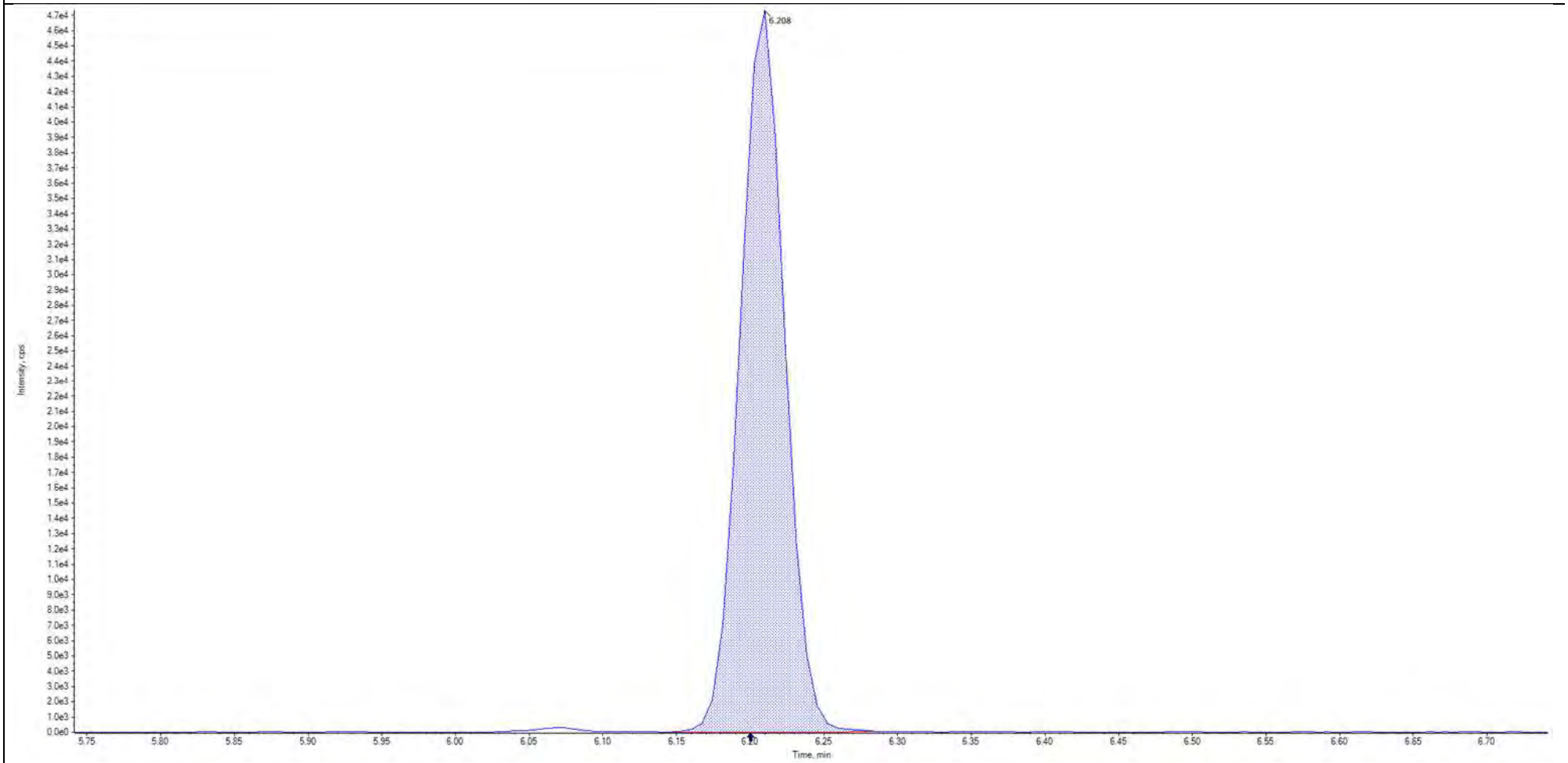
13C8-PFOSA
Sample: IA1633STD-2.5



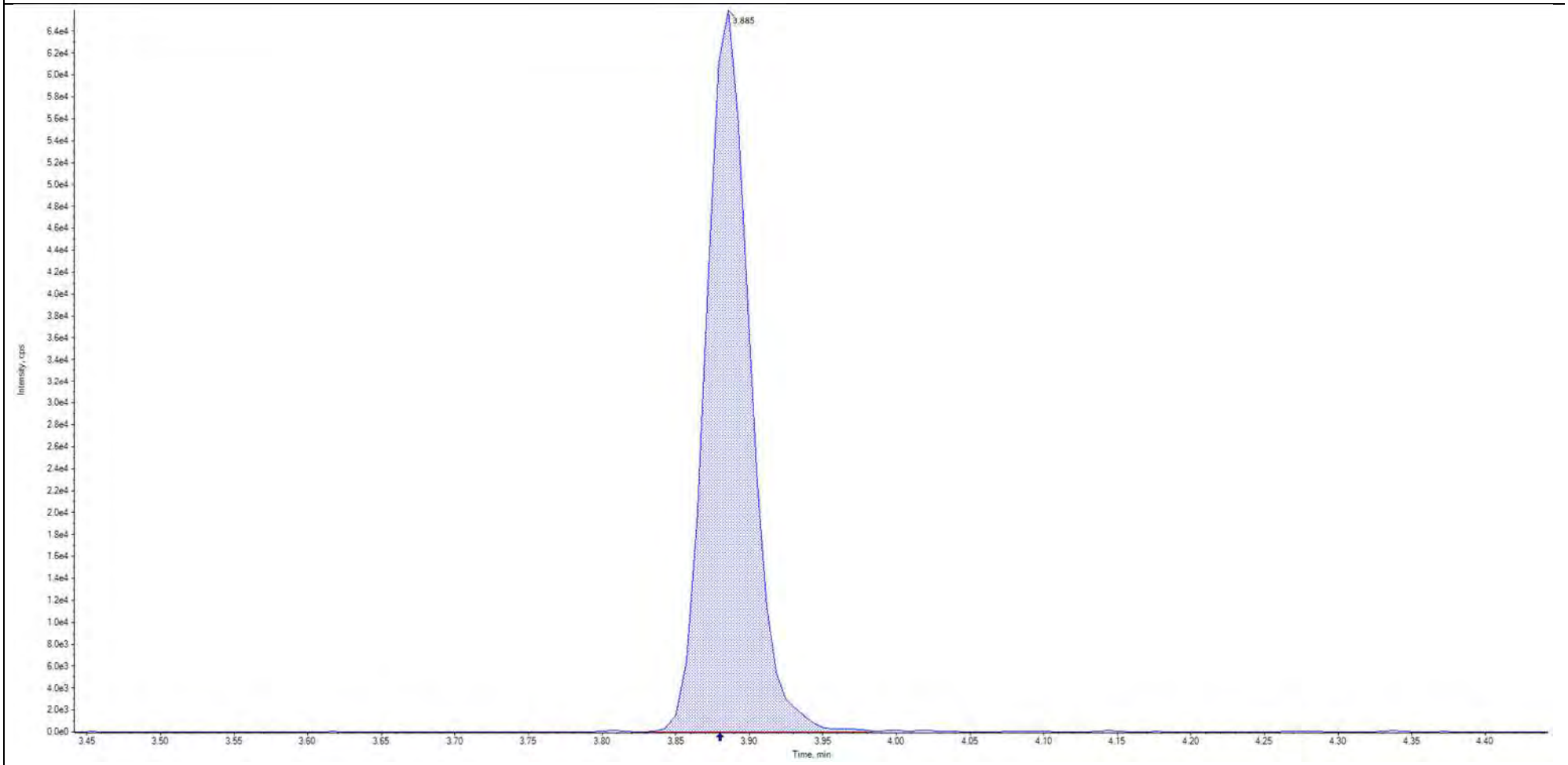
d3-NMeFOSA
Sample: IA1633STD-2.5



d5-NEtFOSA
Sample: IA1633STD-2.5



d3-NMeFOSAA
Sample: IA1633STD-2.5



d5-NEtFOSAA
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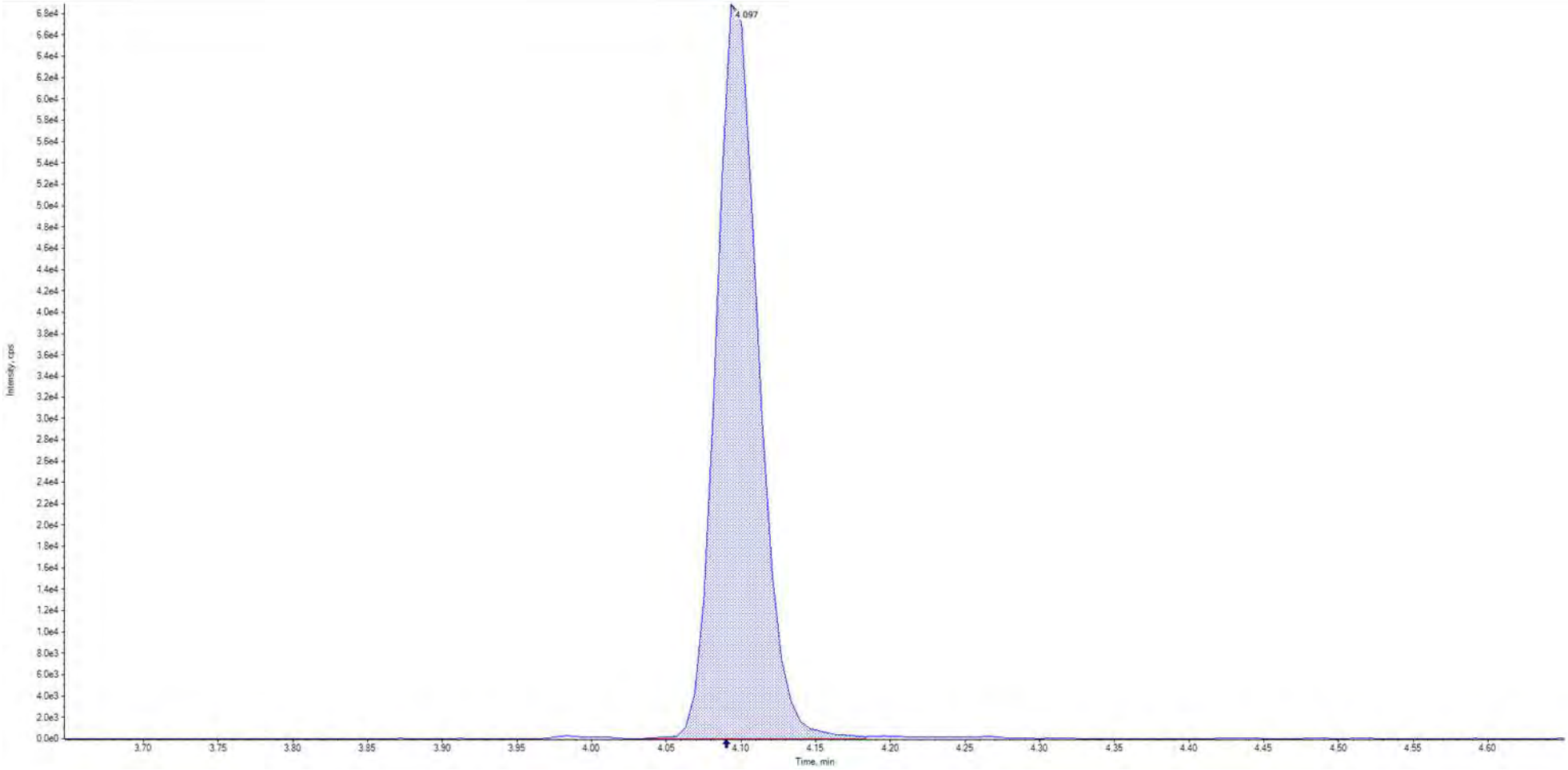

d7-NMeFOSE
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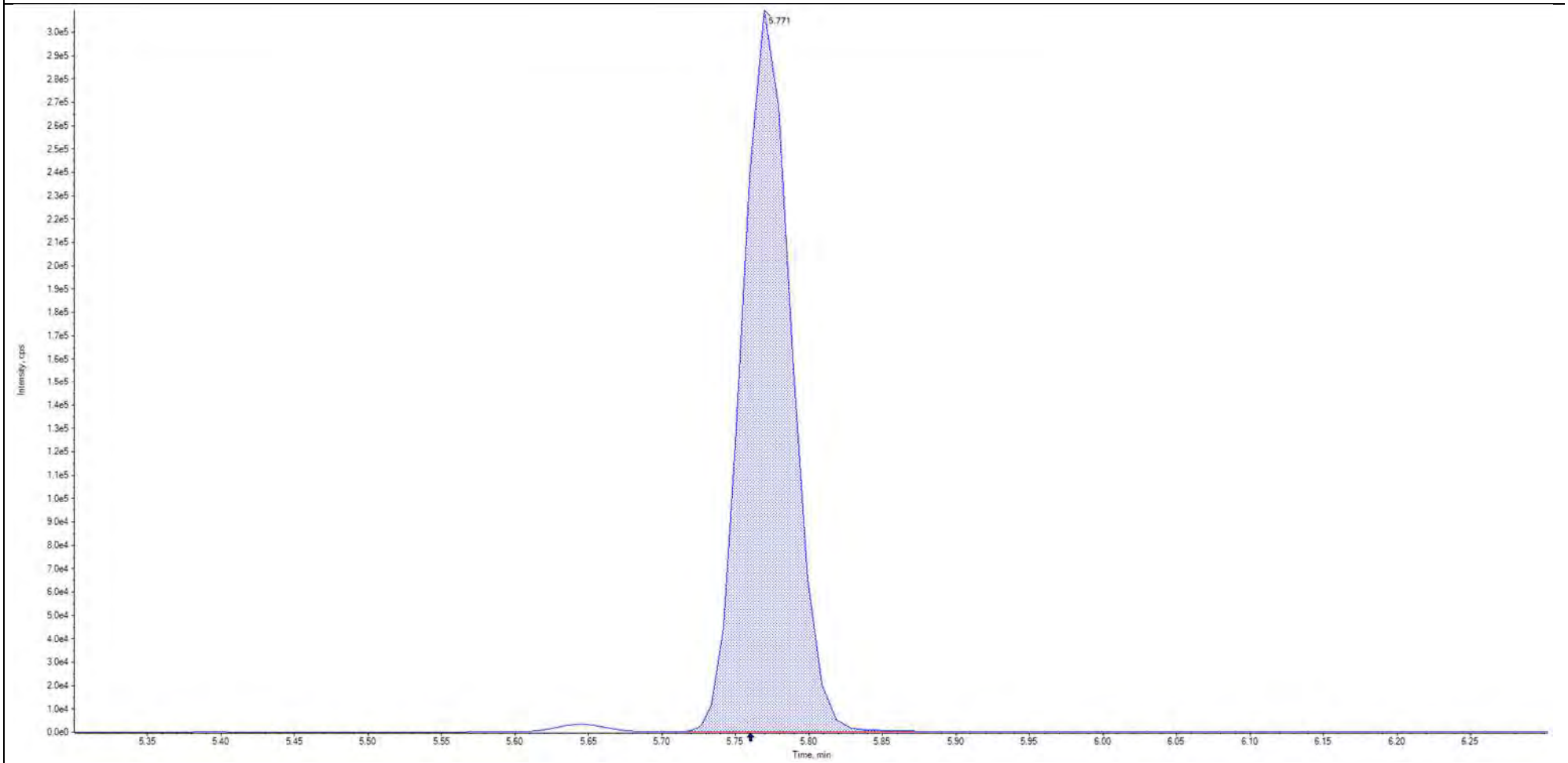

d9-NEtFOSE
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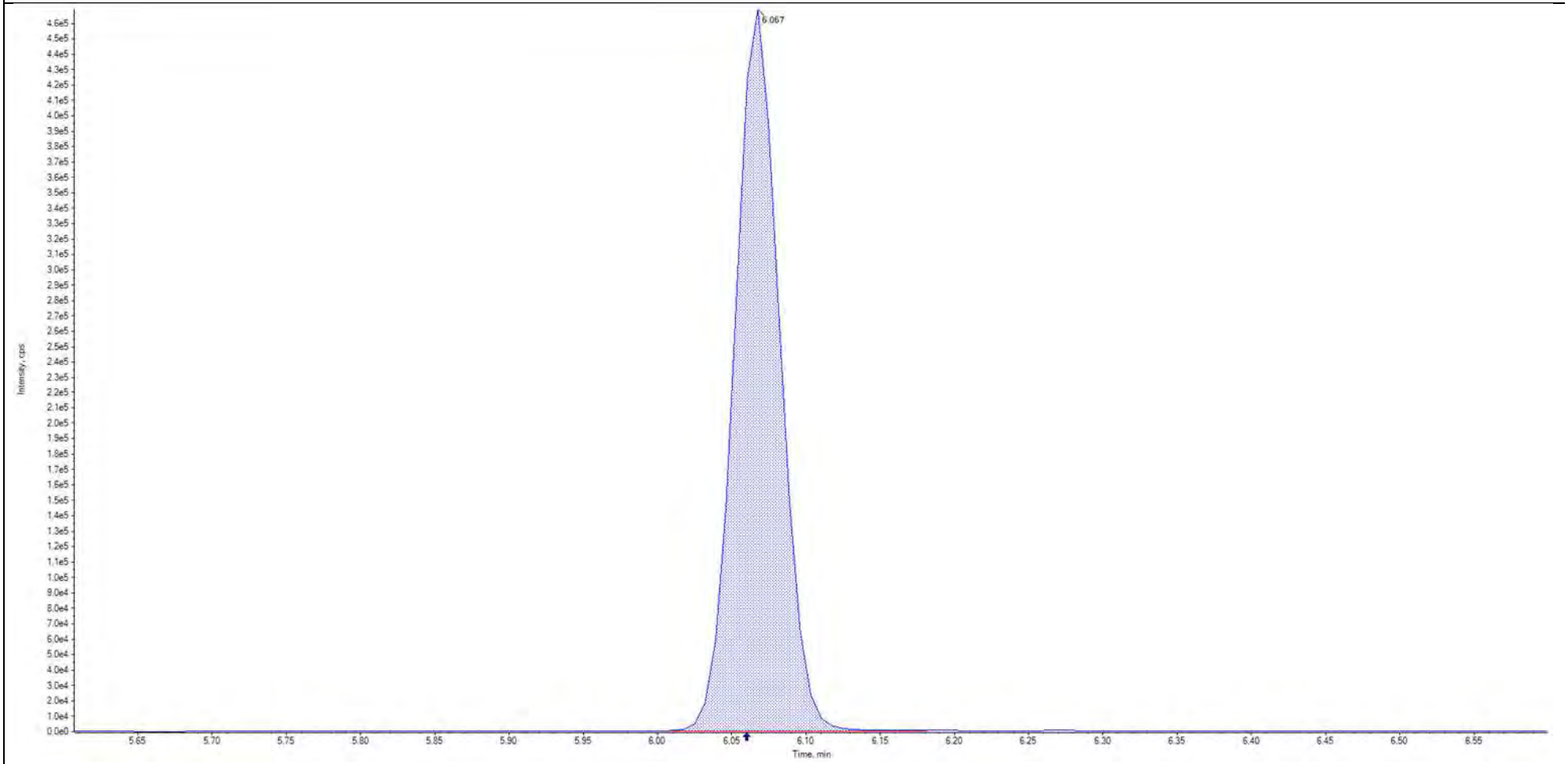

13C3-HFPO-DA
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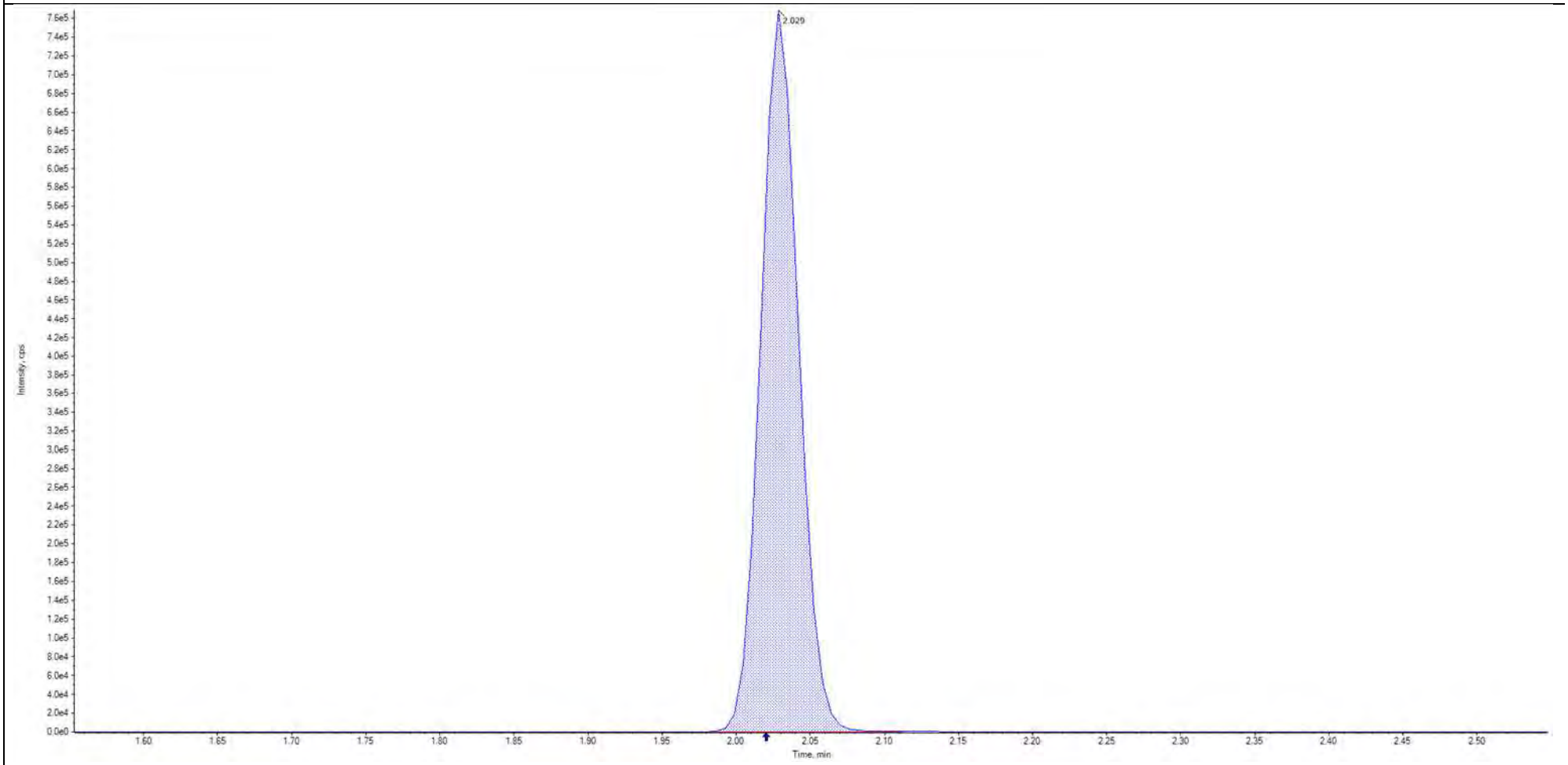
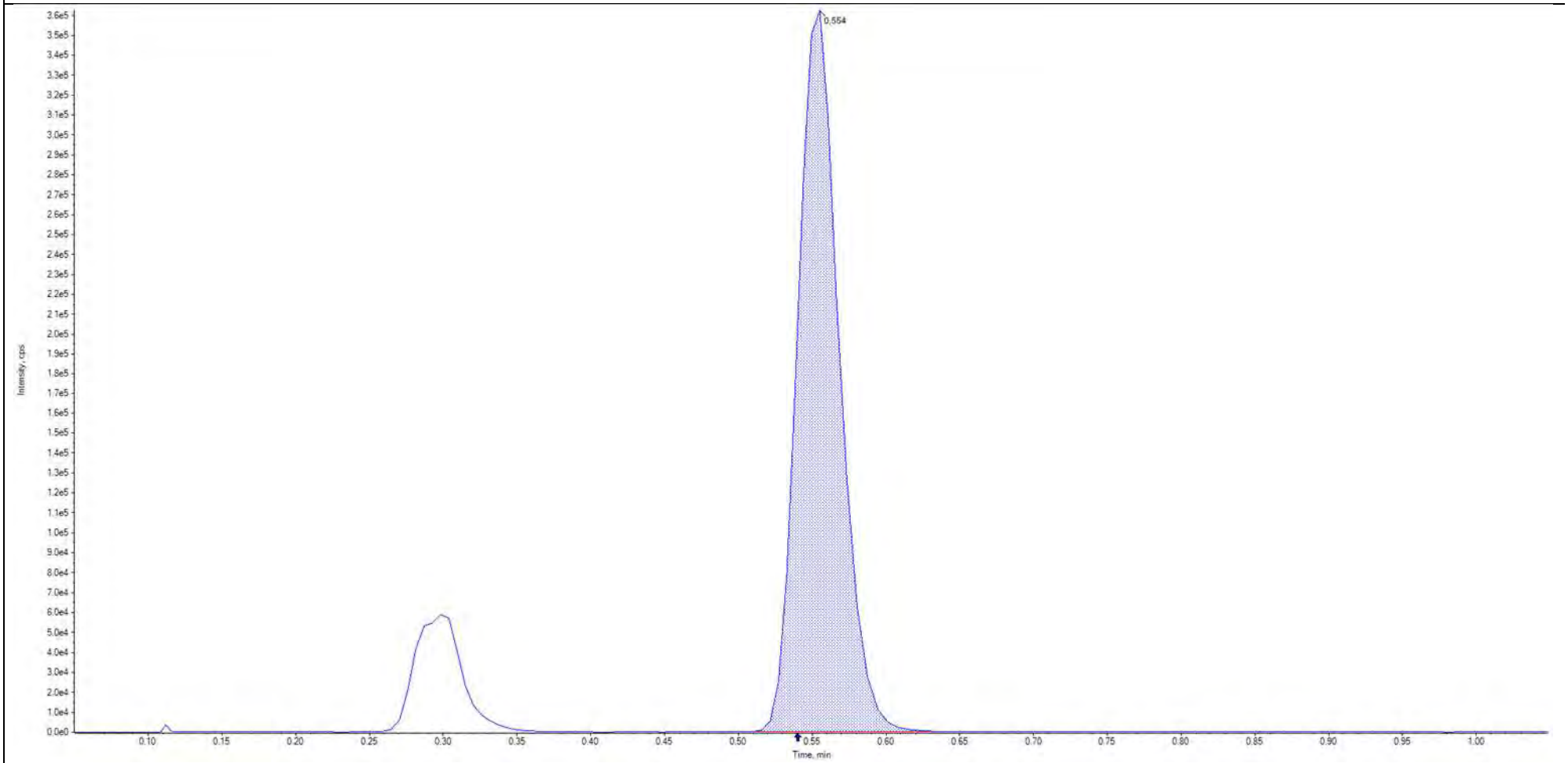


13C3-PFBA
Sample: IA1633STD-2.5



13C2-PFHxA
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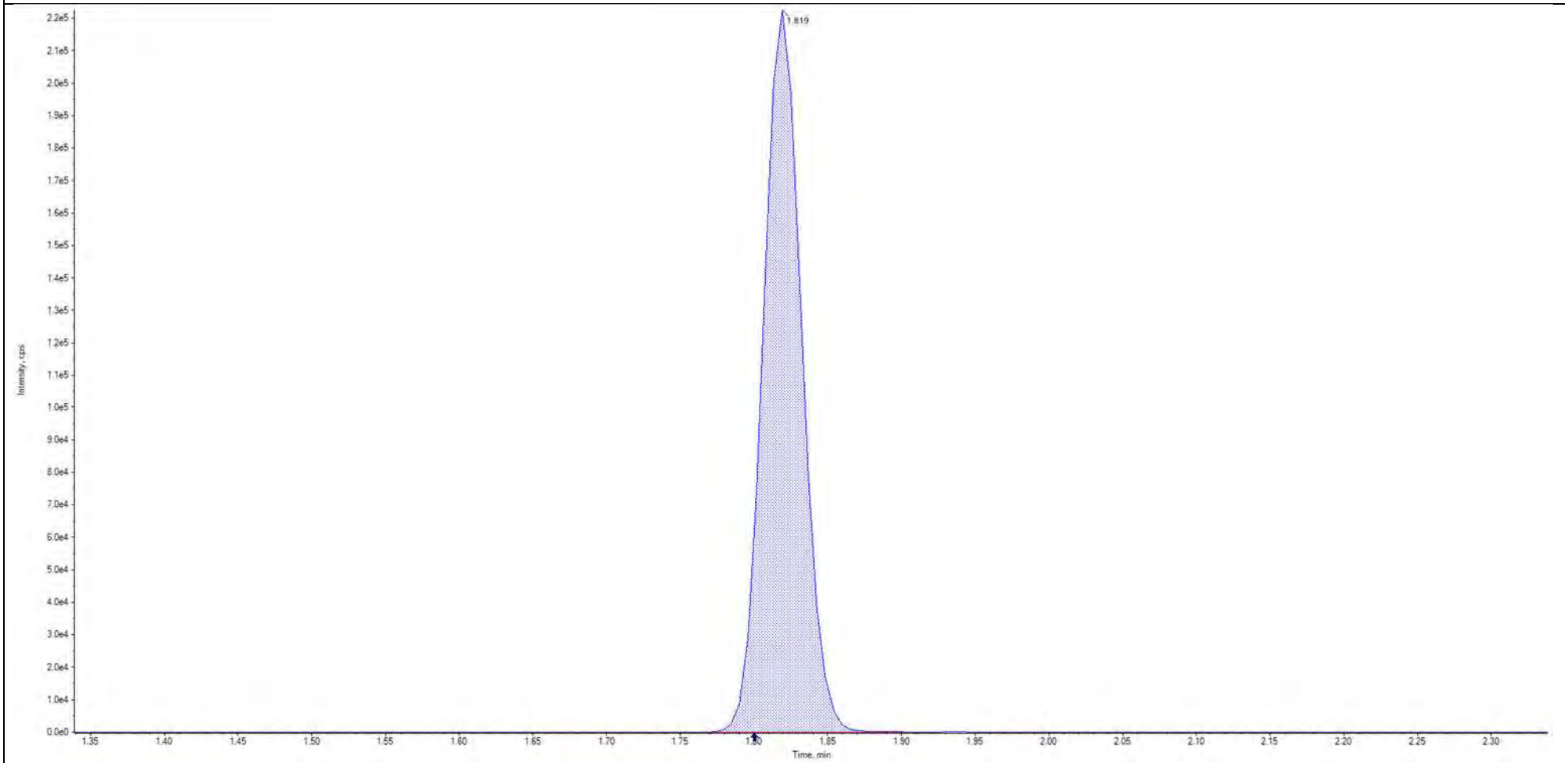

13C4-PFOA
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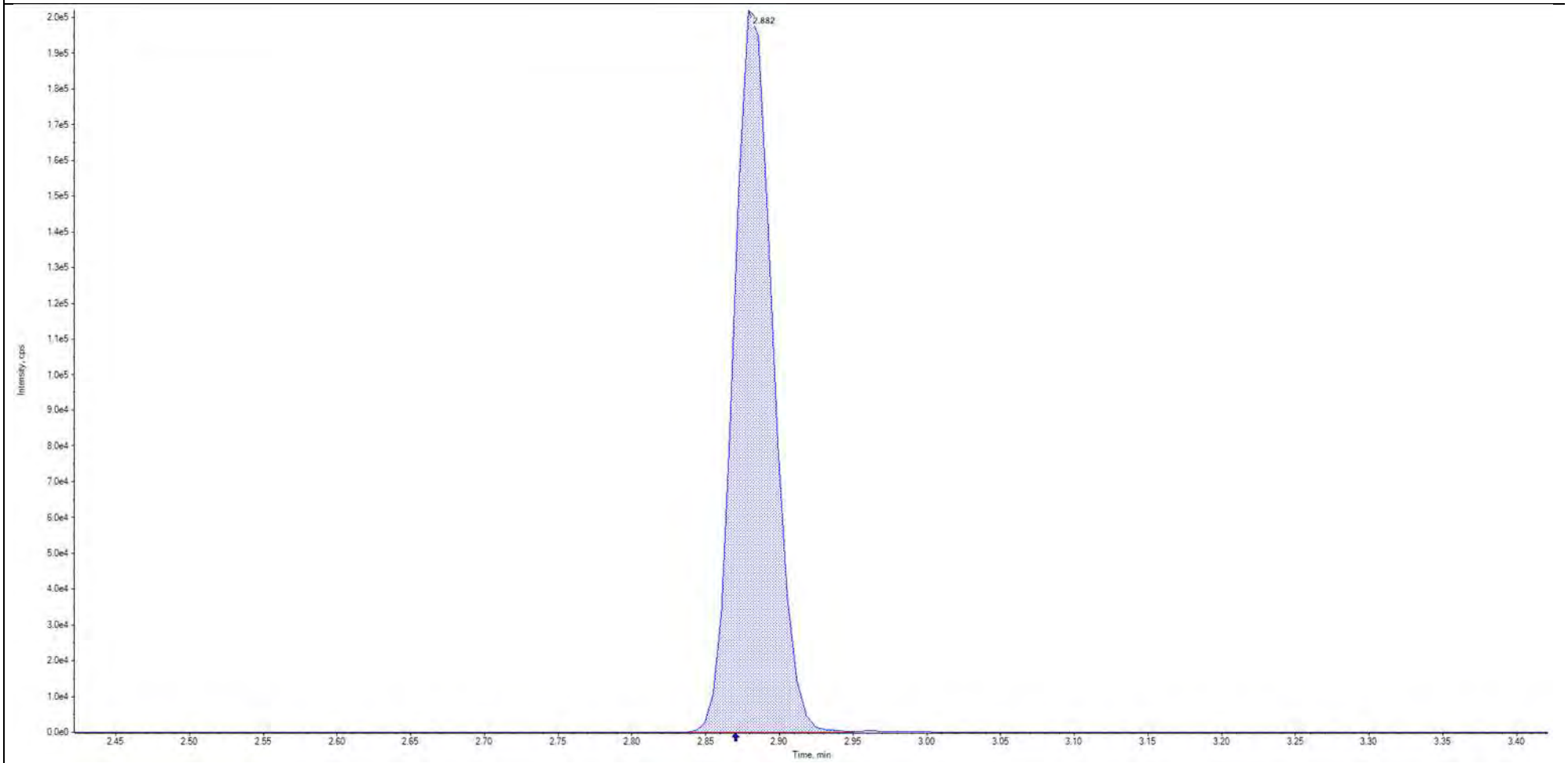

13C5-PFNA
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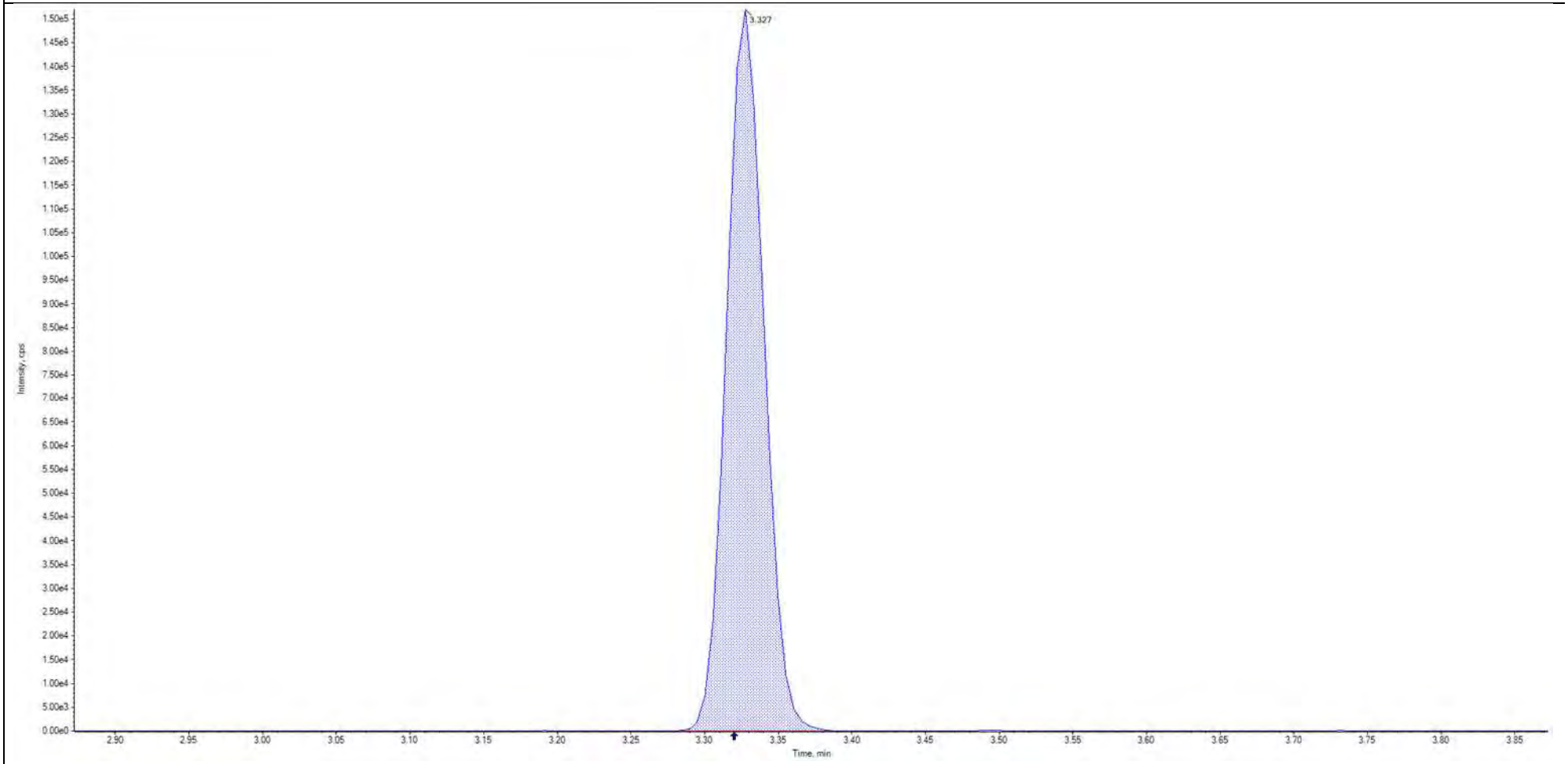
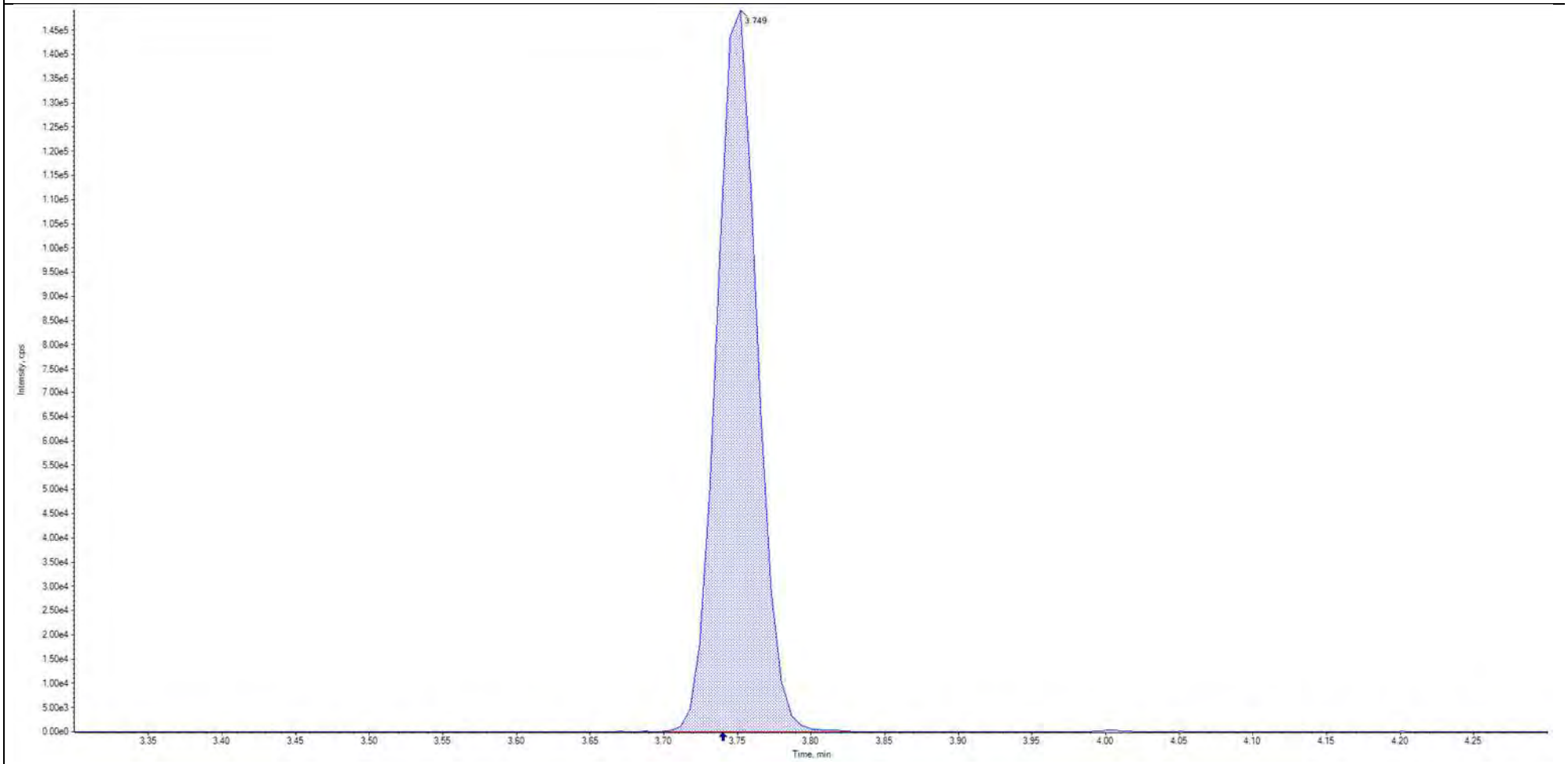
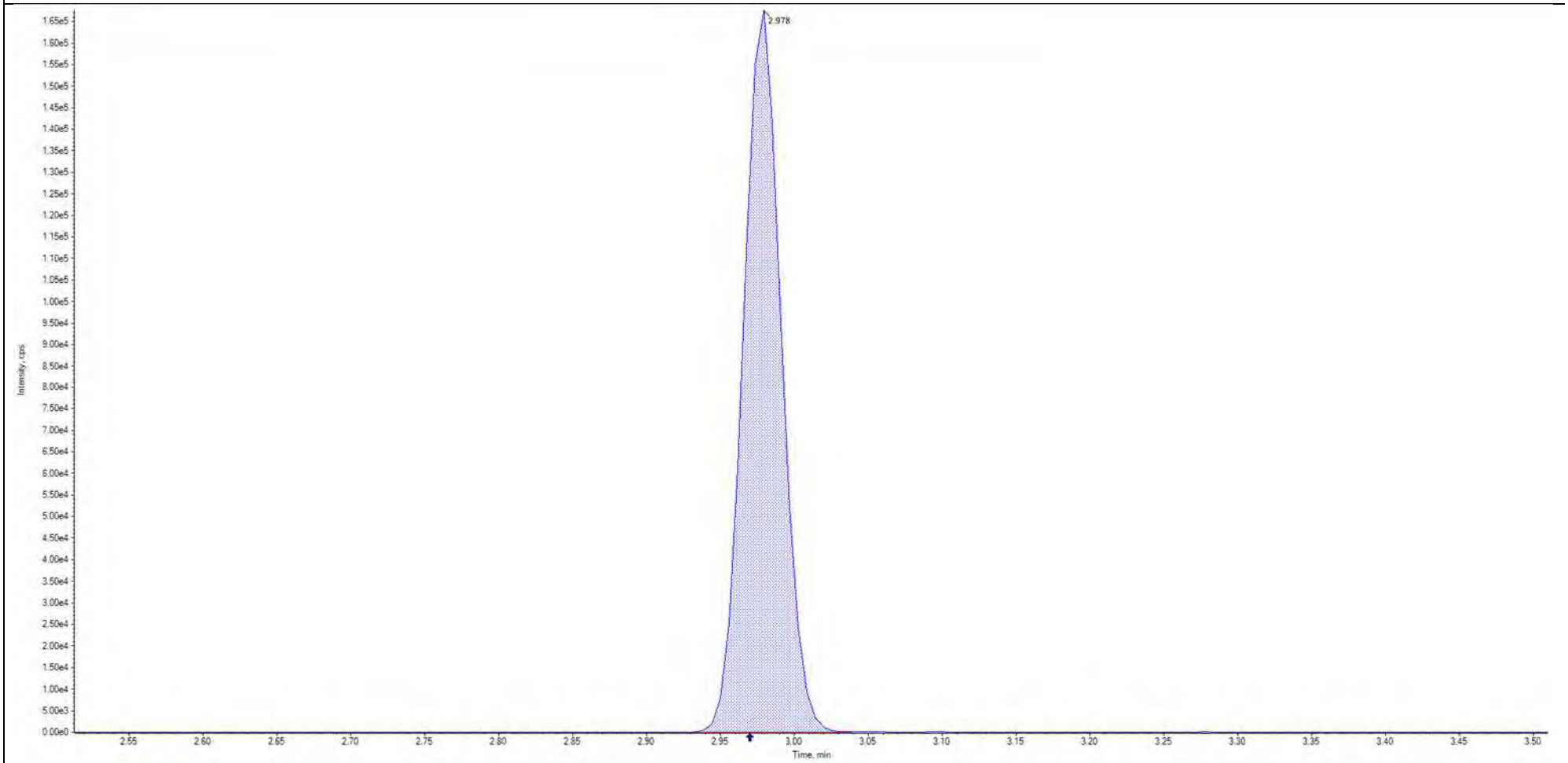


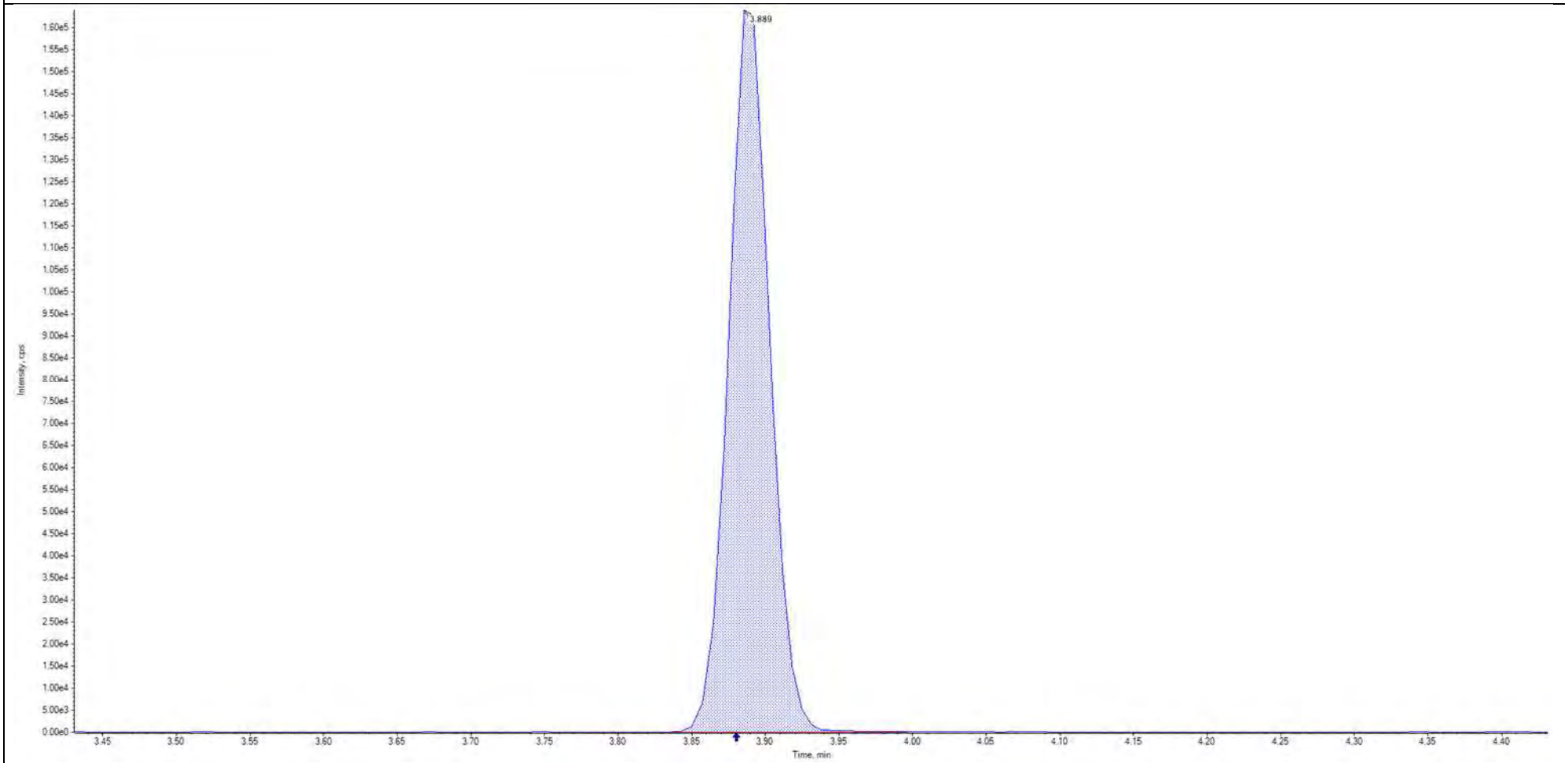
13C2-PFDA
Sample: IA1633STD-2.5



18O2-PFHxS
Sample: IA1633STD-2.5



13C4-PFOS
Sample: IA1633STD-2.5



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Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_19.wiff2_4
Last Altered: 11/12/2024 3:16:42 PM
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Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_20.wiff2_5
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

Method: EPA1633F.qmethod
Calibration: 241112_1633_ICAL

ID: IA1633STD-5
Name: SCI09_241112_20.wiff2
Date & Time: 2024-11-12T14:23:07
Description: WG1996415
Instrument: SCIEX Triple Quad 5500+
User: LCMS09:PNB

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.55	213.0 / 169.0	2378762		18.553	N/A	N/A	N/A	92.8
2	PFPeA	2706-90-3	1.08	263.0 / 219.0	1033269		9.252	0.008	N/A	N/A	92.5
3	PFPeA_2	2706-90-3	1.08	263.0 / 68.9	8076		8.297	0.008	N/A	N/A	83.0
4	PFHxA	307-24-4	1.82	313.0 / 269.0	722013		4.936	0.089	0.089	Pass	98.7
5	PFHxA_2	307-24-4	1.82	313.0 / 119.0	64353		4.843	0.089	0.089	Pass	96.9
6	PFHpA	375-85-9	2.39	363.1 / 319.0	791184		4.849	0.384	0.384	Pass	97.0
7	PFHpA_2	375-85-9	2.39	363.1 / 169.0	303510		4.782	0.384	0.384	Pass	95.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	2.88	413.1 / 369.1	843703	M5	4.640	0.410	0.410	Pass	92.8
9	PFOA_2	335-67-1	2.88	413.1 / 169.0	345588	M5	4.646	0.410	0.410	Pass	92.9
10	PFNA	375-95-1	3.33	462.8 / 418.9	854304	M5	4.487	0.341	0.341	Pass	89.7
11	PFNA_2	375-95-1	3.32	462.8 / 219.0	291444	M5	4.439	0.341	0.341	Pass	88.8
12	PFDA	335-76-2	3.75	513.1 / 469.1	773161		4.071	0.215	0.215	Pass	81.4
13	PFDA_2	335-76-2	3.75	513.1 / 219.0	166014		4.644	0.215	0.215	Pass	92.9
14	PFUnA	2058-94-8	4.15	563.1 / 519.1	997850		5.062	0.151	0.151	Pass	101.2
15	PFUnA_2	2058-94-8	4.15	563.1 / 269.0	150551		5.131	0.151	0.151	Pass	102.6
16	PFDoA	307-55-1	4.54	613.1 / 569.1	1078295		4.673	0.140	0.140	Pass	93.5
17	PFDoA_2	307-55-1	4.54	613.1 / 319.0	151487		4.672	0.140	0.140	Pass	93.4
18	PFTrDA	72629-94-8	4.92	663.1 / 619.1	981099		4.670	0.159	0.159	Pass	93.4
19	PFTrDA_2	72629-94-8	4.92	663.1 / 169.0	155789		4.792	0.159	0.159	Pass	95.8
20	PFTeDA	376-06-7	5.28	713.1 / 669.1	900369		4.911	0.159	0.159	Pass	98.2
21	PFTeDA_2	376-06-7	5.28	713.1 / 169.0	143289		4.890	0.159	0.159	Pass	97.8
22	PFBS	375-73-5	1.81	299.1 / 80.1	619902		4.294	0.398	0.398	Pass	96.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	1.81	299.1 / 99.1	246461		4.900	0.398	0.398	Pass	104.3
24	PFPeS	2706-91-4	2.45	349.1 / 80.1	655699		4.659	0.285	0.285	Pass	99.1
25	PFPeS_2	2706-91-4	2.45	349.1 / 99.1	186825		4.240	0.285	0.285	Pass	90.2
26	PFHxS	355-46-4	2.98	399.1 / 80.1	559432	M5	4.138	0.293	0.293	Pass	90.8
27	PFHxS_2	355-46-4	2.98	399.1 / 99.1	164058	M5	4.222	0.293	0.293	Pass	92.6
28	PFHpS	375-92-8	3.45	449.1 / 80.1	635275		4.330	0.308	0.308	Pass	91.0
29	PFHpS_2	375-92-8	3.45	449.1 / 99.1	195509		4.563	0.308	0.308	Pass	95.9
30	PFOS	1763-23-1	3.89	499.1 / 80.1	659432	M5	3.874	0.241	0.241	Pass	83.5
31	PFOS_2	1763-23-1	3.89	499.1 / 99.1	159112	M5	3.858	0.241	0.241	Pass	83.1
32	PFNS	68259-12-1	4.30	549.1 / 80.1	505040		4.123	0.299	0.299	Pass	85.9
33	PFNS_2	68259-12-1	4.30	549.1 / 99.1	150853		4.225	0.299	0.299	Pass	88.0
34	PFDS	335-77-3	4.69	599.1 / 80.1	554867		4.260	0.274	0.274	Pass	88.4
35	PFDS_2	335-77-3	4.69	599.1 / 99.1	151963		4.084	0.274	0.274	Pass	84.7
36	PFDoS	79780-39-5	5.43	699.2 / 80.1	483168		4.263	0.247	0.247	Pass	88.1
37	PFDoS_2	79780-39-5	5.43	699.2 / 99.1	119565		4.114	0.247	0.247	Pass	85.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	1.62	327.1 / 307.1	563434		17.628	0.634	0.634	Pass	94.3
39	4:2FTS_2	757124-72-4	1.62	327.1 / 81.1	357016		17.673	0.634	0.634	Pass	94.5
40	6:2FTS	27619-97-2	2.70	427.2 / 407.2	511439		18.339	0.609	0.609	Pass	96.5
41	6:2FTS_2	27619-97-2	2.70	427.2 / 81.1	311297		17.969	0.609	0.609	Pass	94.6
42	8:2FTS	39108-34-4	3.56	527.2 / 507.2	484876		18.937	0.681	0.681	Pass	98.6
43	8:2FTS_2	39108-34-4	3.56	527.2 / 81.1	330150		19.897	0.681	0.681	Pass	103.6
44	PFOSA	754-91-6	5.17	498.1 / 78.1	925689	M5	4.630	0.024	0.024	Pass	92.6
45	PFOSA_2	754-91-6	5.17	498.1 / 478.0	22101	M5	4.479	0.024	0.024	Pass	89.6
46	NMeFOSA	31506-32-8	5.92	512.2 / 219.0	207638	M5	4.886	1.421	1.421	Pass	97.7
47	NMeFOSA_2	31506-32-8	5.87	512.2 / 169.0	295144	M5	4.827	1.421	1.421	Pass	96.5
48	NEtFOSA	4151-50-2	6.21	526.2 / 219.0	193950		4.712	1.258	1.258	Pass	94.2
49	NEtFOSA_2	4151-50-2	6.17	526.2 / 169.0	243965		4.586	1.258	1.258	Pass	91.7
50	NMeFOSAA	2355-31-9	3.88	570.2 / 419.1	102579		4.968	0.683	0.683	Pass	99.4
51	NMeFOSAA_2	2355-31-9	3.88	570.2 / 483.0	70107		4.848	0.683	0.683	Pass	97.0
52	NEtFOSAA	2991-50-6	4.10	584.2 / 419.1	114489	M5	4.948	0.571	0.571	Pass	99.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.10	584.2 / 526.2	65330	M5	4.860	0.571	0.571	Pass	97.2
54	NMeFOSE	24448-09-7	5.78	616.1 / 58.9	2668014	M5	47.095	N/A	N/A	N/A	94.2
55	NEtFOSE	1691-99-2	6.08	630.0 / 58.9	3715574	M5	48.653	N/A	N/A	N/A	97.3
56	HFPO-DA	13252-13-6	2.03	285.0 / 169.0	2510344		19.651	0.510	0.510	Pass	98.3
57	HFPO-DA_2	13252-13-6	2.03	285.0 / 184.9	1279906		18.682	0.510	0.510	Pass	93.4
58	ADONA	919005-14-4	2.58	376.9 / 251.0	4551354		21.509	0.636	0.636	Pass	113.8
59	ADONA_2	919005-14-4	2.58	376.9 / 84.8	2892449		17.976	0.636	0.636	Pass	95.1
60	9Cl-PF3ONS	756426-58-1	4.17	530.8 / 351.1	5508783		17.972	0.326	0.326	Pass	96.1
61	9Cl-PF3ONS_2	756426-58-1	4.17	532.8 / 353.0	1795612		17.525	0.326	0.326	Pass	93.7
62	11Cl-PF3OUdS	763051-92-9	4.96	630.9 / 451.0	4949802		18.232	0.318	0.318	Pass	96.5
63	11Cl-PF3OUdS_2	763051-92-9	4.96	632.9 / 452.9	1573888		18.103	0.318	0.318	Pass	95.8
64	3:3FTCA	356-02-5	1.45	241.1 / 177.1	210279		23.365	1.068	1.068	Pass	93.5
65	3:3FTCA_2	356-02-5	1.45	241.1 / 117.0	224515		23.275	1.068	1.068	Pass	93.1
66	5:3FTCA	914637-49-3	2.93	341.1 / 237.1	4922097		128.308	1.045	1.045	Pass	102.7
67	5:3FTCA_2	914637-49-3	2.93	341.1 / 217.0	5142604		131.110	1.045	1.045	Pass	104.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	3.96	441.1 / 316.9	4424122		116.413	1.285	1.285	Pass	93.1
69	7:3FTCA_2	812-70-4	3.96	441.1 / 337.1	5686778		115.373	1.285	1.285	Pass	92.3
70	PFEESA	113507-82-7	2.11	315.1 / 135.0	3729676		8.862	0.081	0.081	Pass	99.4
71	PFEESA_2	113507-82-7	2.11	315.1 / 82.9	301483		8.826	0.081	0.081	Pass	99.0
72	PFMPA	377-73-1	0.69	229.0 / 85.0	1216925		9.144	N/A	N/A	N/A	91.4
73	PFMBA	863090-89-5	1.34	279.0 / 85.0	1360392		9.579	N/A	N/A	N/A	95.8
74	NFDHA	151772-58-6	1.75	295.0 / 201.0	934389		10.568	0.681	0.681	Pass	105.7
75	NFDHA_2	151772-58-6	1.75	295.0 / 84.9	636726		9.999	0.681	0.681	Pass	100.0
76	TDCA	516-50-7	2.57	499.1 / 124.1	2633734		9.379	5.357	5.357	Pass	93.8
77	TDCA_2	516-50-7	2.57	499.1 / 79.9	14108175		9.492	5.357	5.357	Pass	94.9
78	13C2D4-4:2FTS	Surr	1.61	333.2 / 312.1	116377		5.732	N/A	N/A	N/A	114.6
79	13C2-PFOA	Surr	2.88	415.0 / 370.0	357849		3.025	N/A	N/A	N/A	121.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.55	217.0 / 172.0	1503823		10.797	NA	NA	NA	108.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.08	268.0 / 223.0	637287		5.315	NA	NA	NA	106.3
	13C5-PFHxA	EIS	1.82	318.0 / 273.0	318975		2.521	NA	NA	NA	100.9
	13C4-PFHpA	EIS	2.39	367.0 / 322.0	267932		2.537	NA	NA	NA	101.5
	13C8-PFOA	EIS	2.88	420.8 / 376.0	562426		2.698	NA	NA	NA	107.9
	13C9-PFNA	EIS	3.32	472.0 / 427.0	268411		1.395	NA	NA	NA	111.6
	13C6-PFDA	EIS	3.74	519.0 / 474.0	280287		1.418	NA	NA	NA	113.4
	13C7-PFUnA	EIS	4.15	570.0 / 525.0	302893		1.380	NA	NA	NA	110.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.54	615.1 / 570.0	328494		1.401	NA	NA	NA	112.1
	13C2-PFTeDA	EIS	5.28	715.1 / 670.1	232148		1.334	NA	NA	NA	106.7
	13C3-PFBS	EIS	1.81	302.1 / 80.1	335916		2.380	NA	NA	NA	102.1
	13C3-PFHxS	EIS	2.97	402.1 / 80.1	311579		2.492	NA	NA	NA	105.1
	13C8-PFOS	EIS	3.88	507.1 / 80.1	386549		2.693	NA	NA	NA	112.2
	13C2-4:2FTS	EIS	1.61	329.1 / 81.1	95372		4.863	NA	NA	NA	103.7
	13C2-6:2FTS	EIS	2.70	429.2 / 81.1	84902		4.877	NA	NA	NA	102.5
	13C2-8:2FTS	EIS	3.56	529.2 / 81.1	98396		4.776	NA	NA	NA	99.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	5.17	506.1 / 78.1	636042		2.610	NA	NA	NA	104.4
	d3-NMeFOSA	EIS	5.91	515.2 / 219.0	98466		2.468	NA	NA	NA	98.7
	d5-NEtFOSA	EIS	6.20	531.2 / 219.0	92468		2.554	NA	NA	NA	102.1
	d3-NMeFOSAA	EIS	3.88	573.2 / 419.1	130161		5.254	NA	NA	NA	105.1
	d5-NEtFOSAA	EIS	4.09	589.3 / 419.1	122670		5.024	NA	NA	NA	100.5
	d7-NMeFOSE	EIS	5.76	623.2 / 58.9	656994		25.419	NA	NA	NA	101.7
	d9-NEtFOSE	EIS	6.06	639.2 / 58.9	885163		25.450	NA	NA	NA	101.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.02	287.0 / 169.0	1339763		10.843	NA	NA	NA	108.4
	13C3-PFBA	NIS	0.55	216.0 / 172.0	607159		4.788	NA	NA	NA	95.8
	13C2-PFHxA	NIS	1.82	315.0 / 270.0	351038		2.357	NA	NA	NA	94.3
	13C4-PFOA	NIS	2.87	417.0 / 372.0	332338		2.305	NA	NA	NA	92.2
	13C5-PFNA	NIS	3.32	468.0 / 423.0	239536		1.173	NA	NA	NA	93.8
	13C2-PFDA	NIS	3.74	515.1 / 470.1	234713		1.113	NA	NA	NA	89.0
	18O2-PFHxS	NIS	2.97	403.1 / 84.1	261125		2.238	NA	NA	NA	94.4
	13C4-PFOS	NIS	3.88	503.1 / 80.1	285862		2.278	NA	NA	NA	94.9

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec

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PFBA
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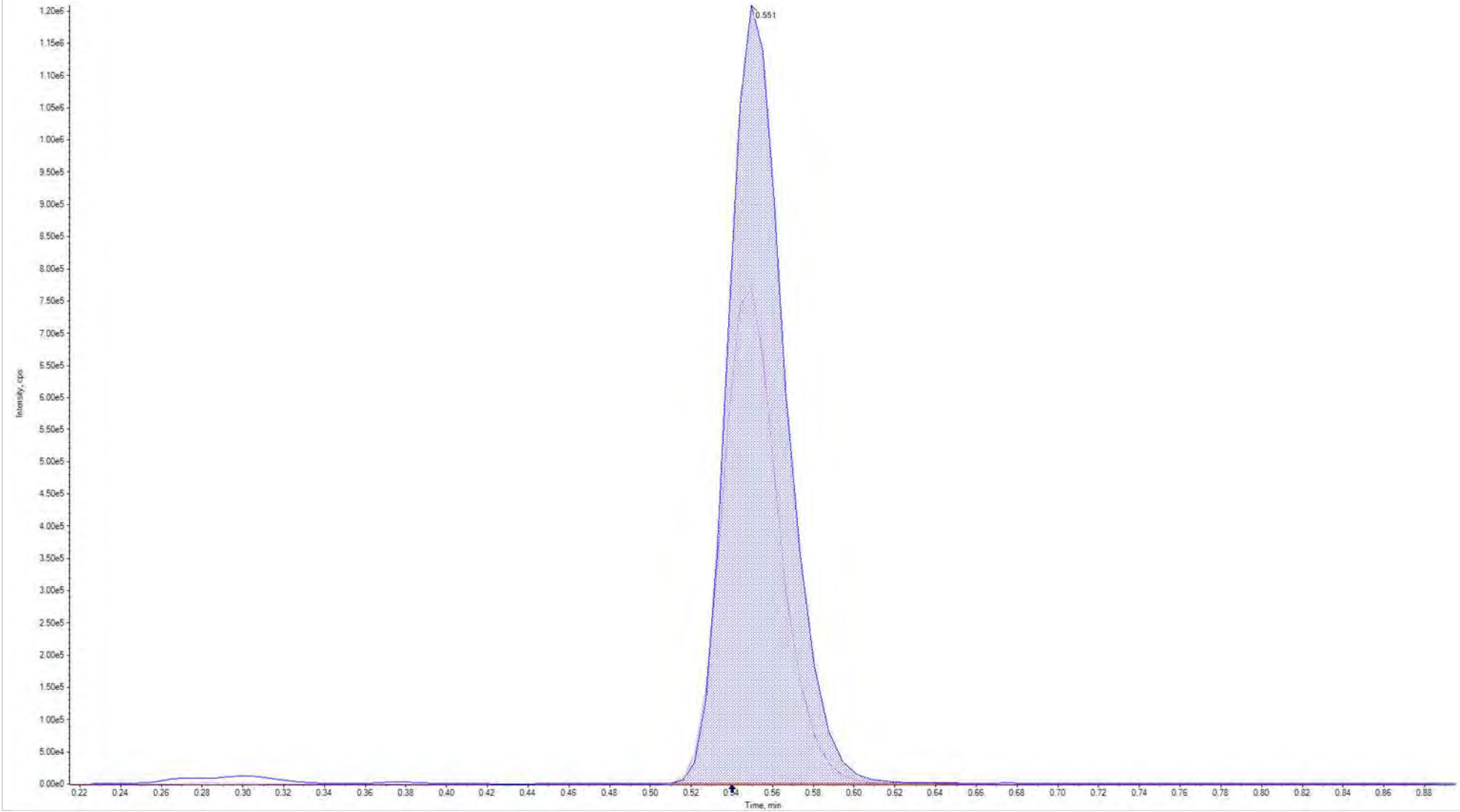

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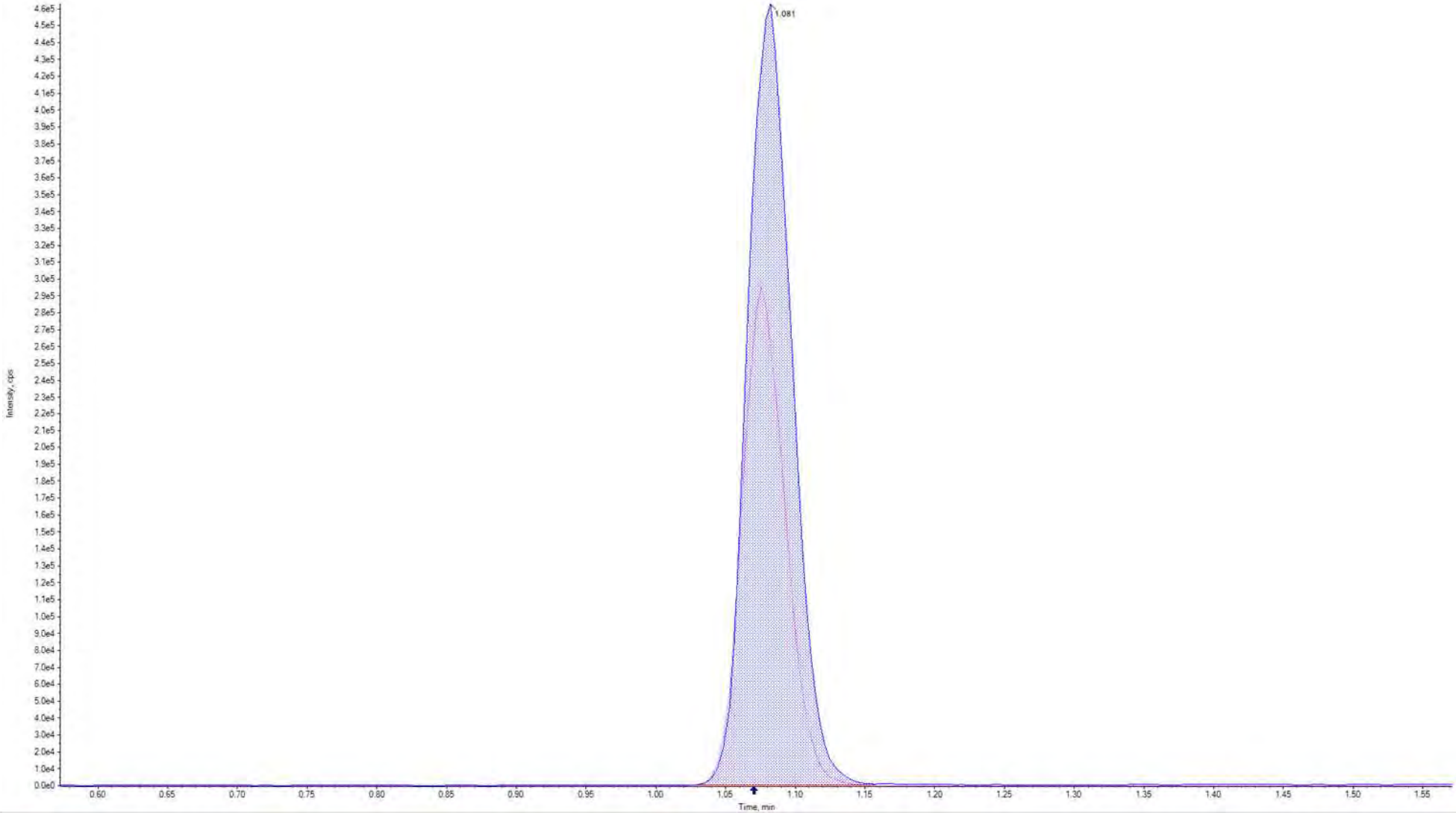
PFPeA
Sample: IA1633STD-5 S/N:4494.7 Points Across peak:38



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PFPeA_2
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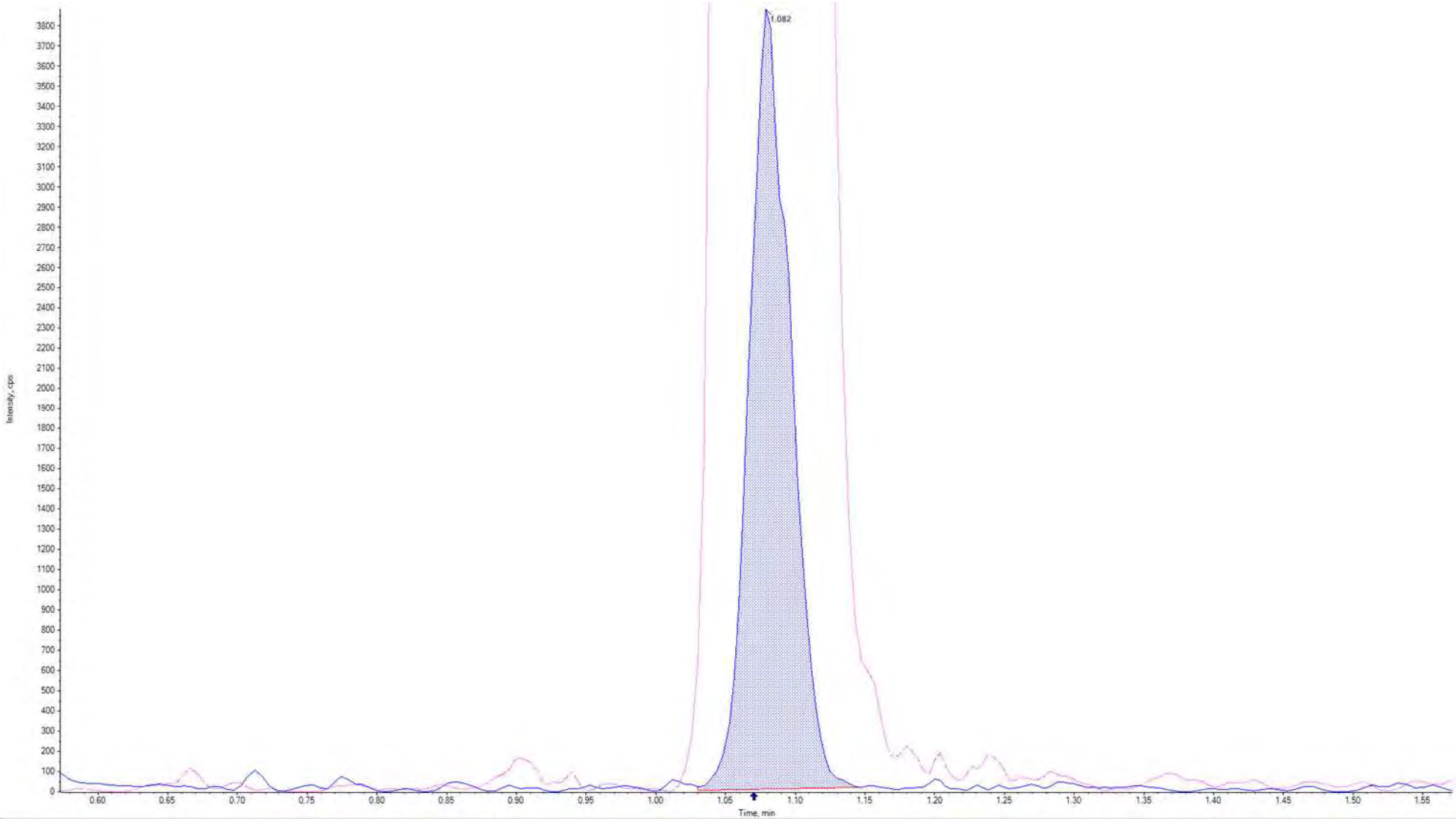

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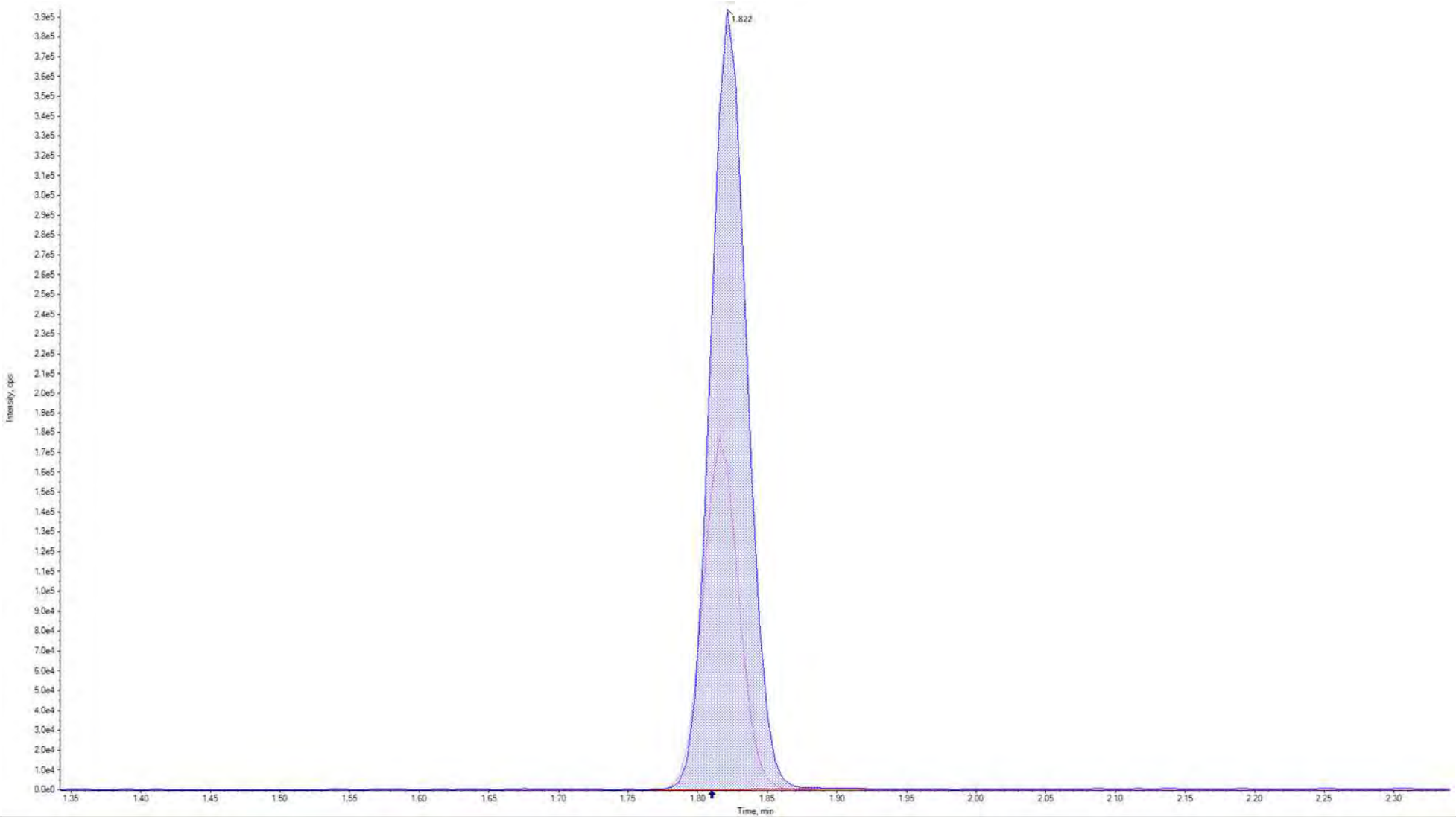
PFHxA
Sample: IA1633STD-5 S/N:3938.6 Points Across peak:32



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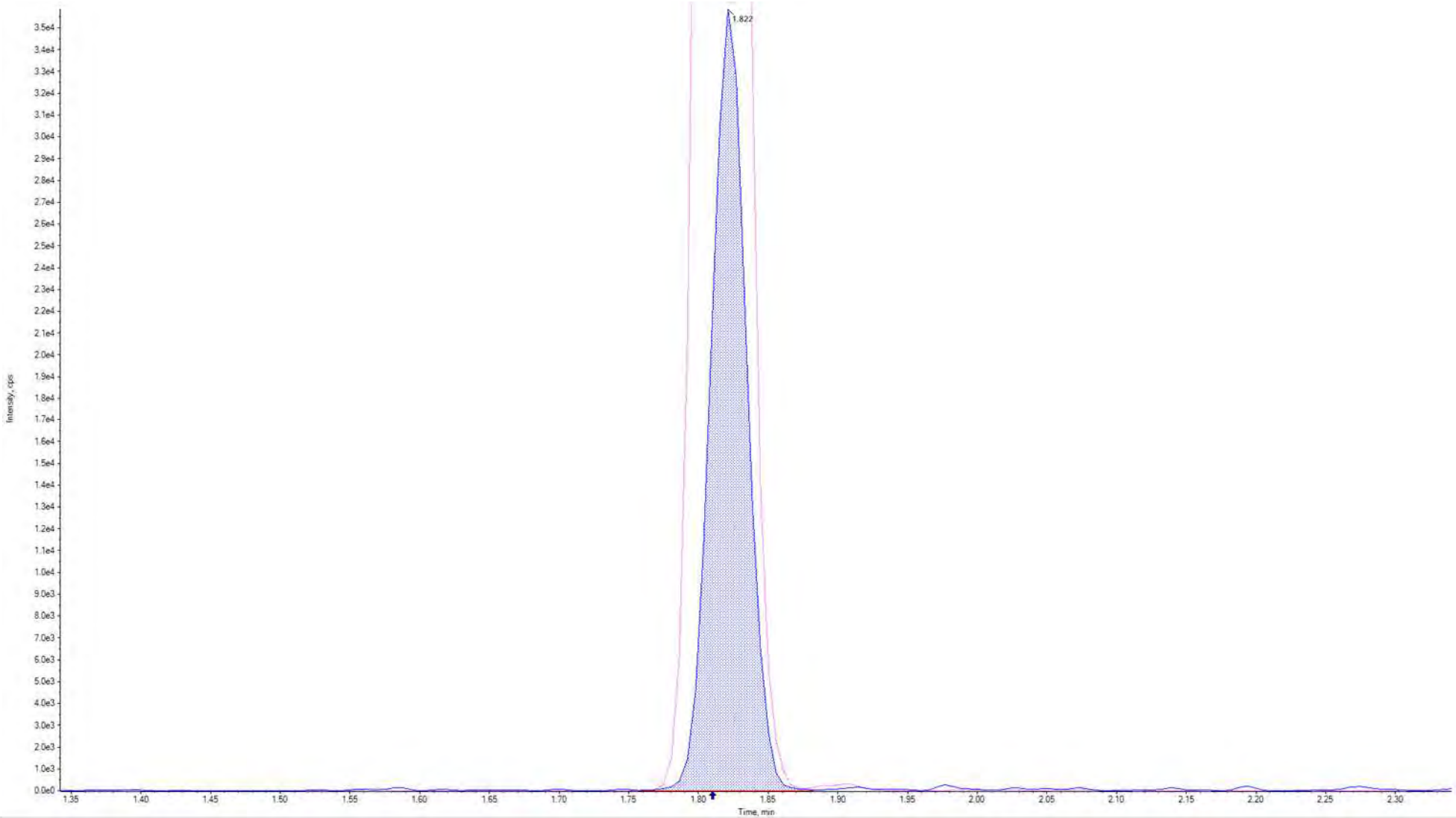
PFHxA_2
Sample: IA1633STD-5 S/N:898.4 Points Across peak:23



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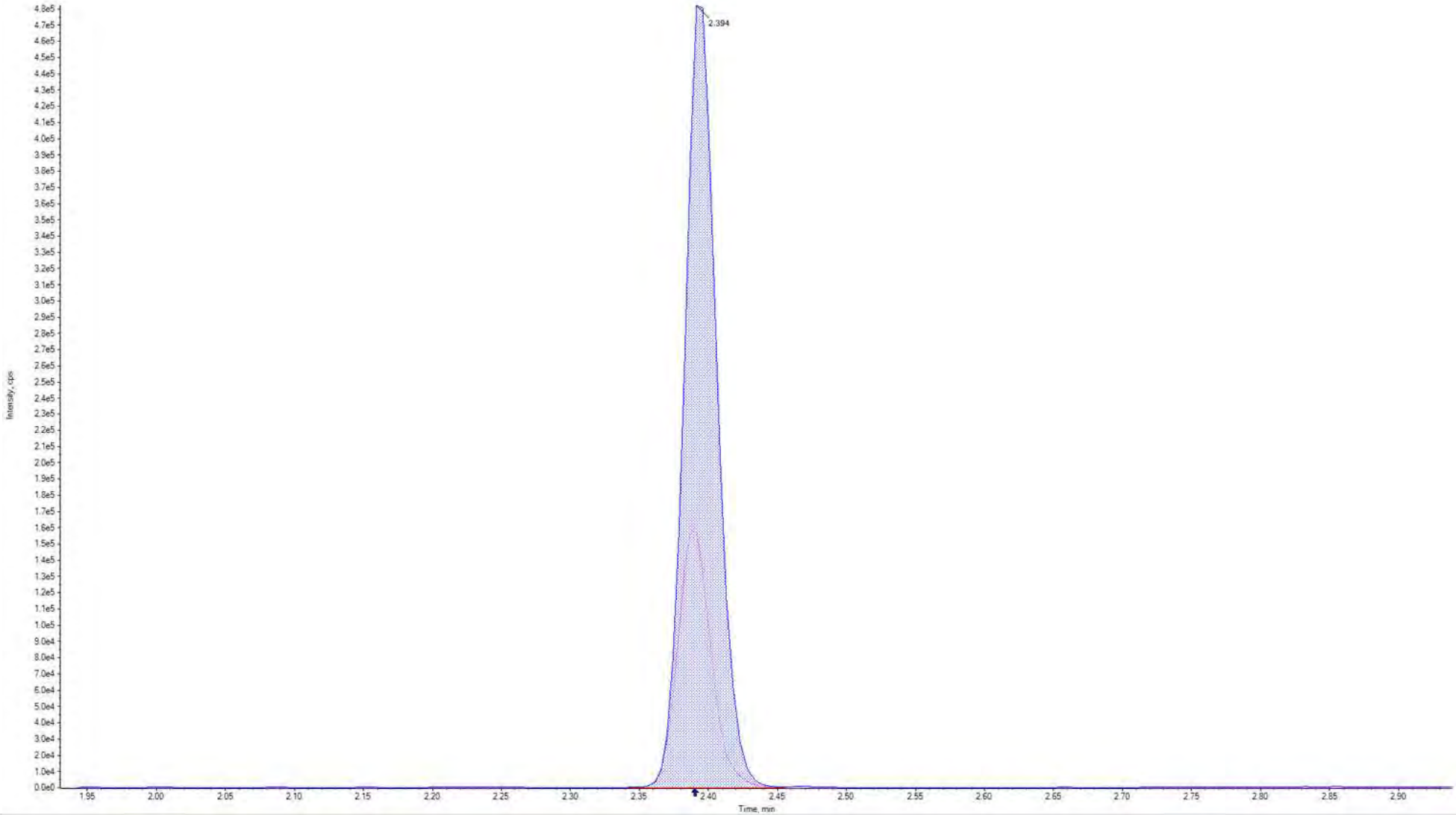
PFHpA
Sample: IA1633STD-5 S/N:7771.4 Points Across peak:29



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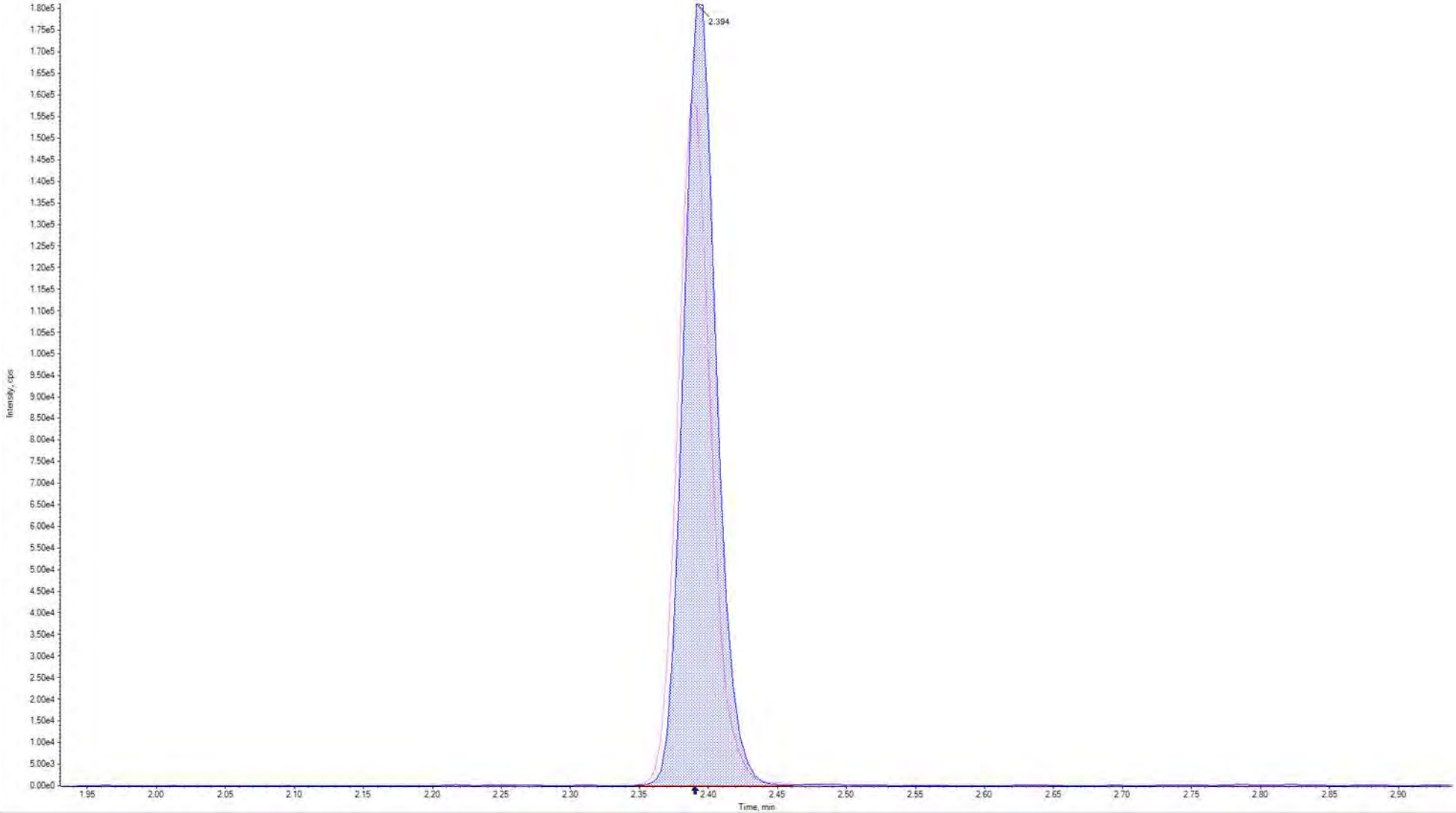
PFHpA_2
Sample: IA1633STD-5 S/N:3630.8 Points Across peak:28



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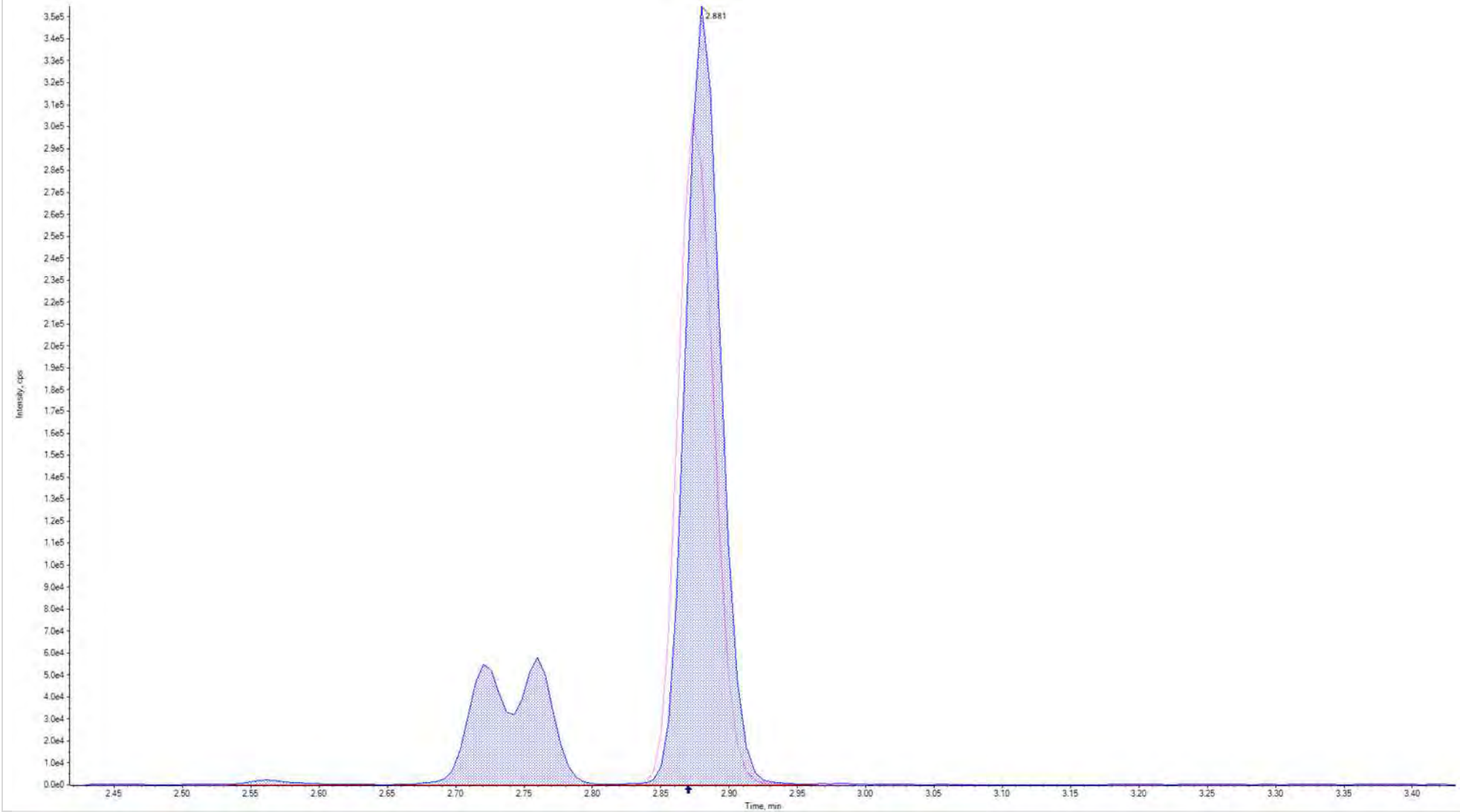
PFOA
Sample: IA1633STD-5 S/N:723.8 Points Across peak:74



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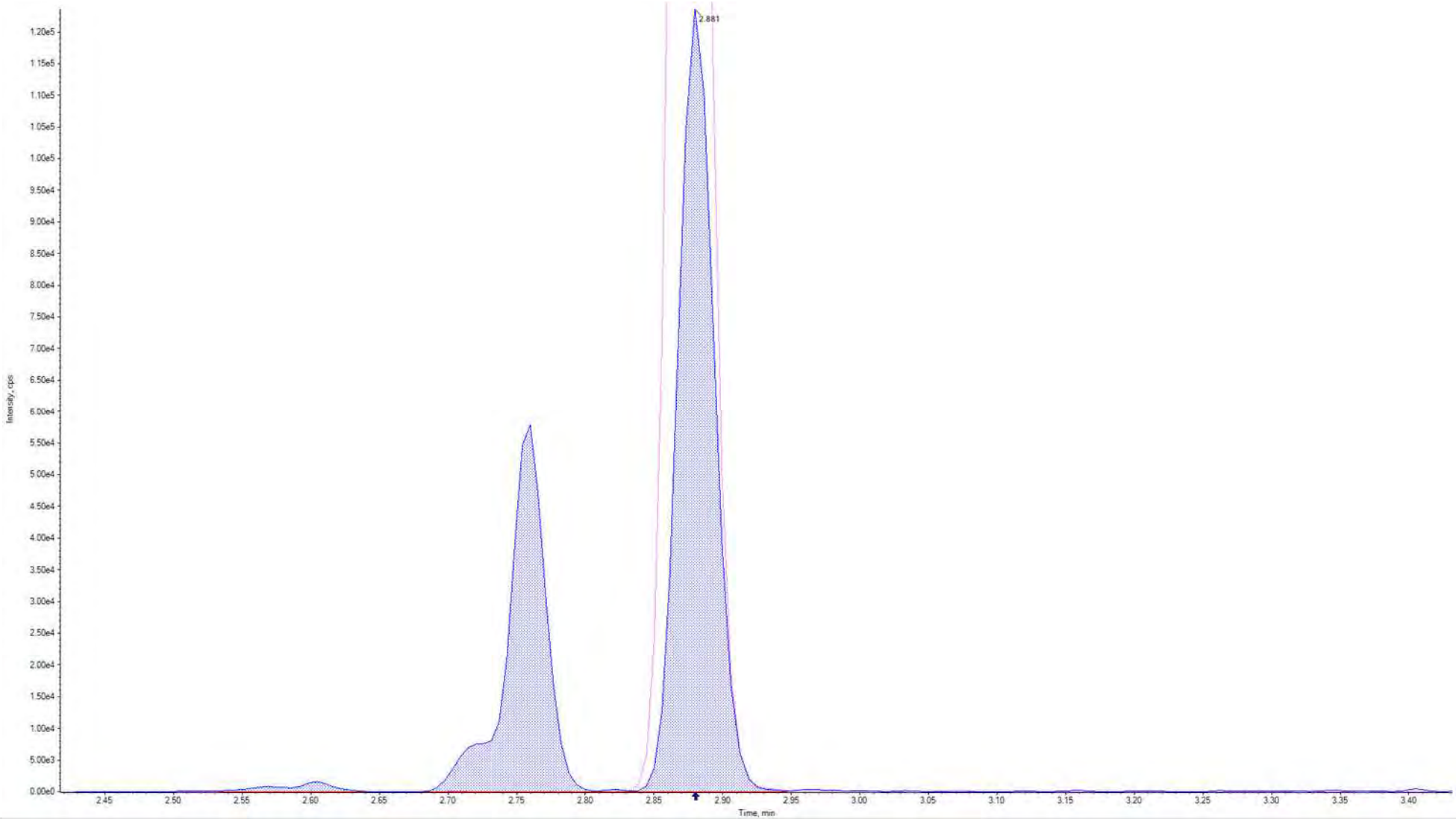
PFOA_2
Sample: IA1633STD-5 S/N:456.7 Points Across peak:72



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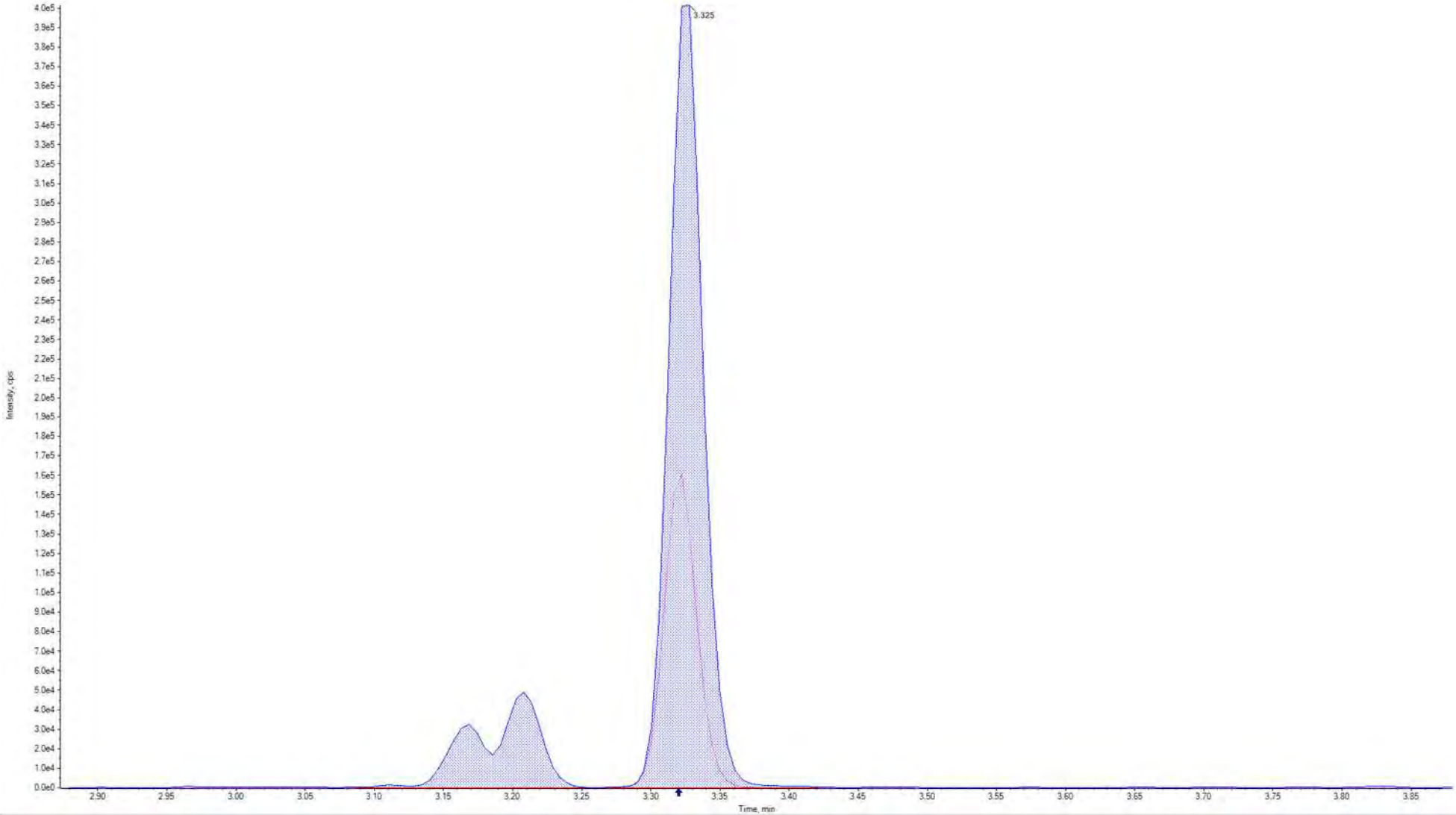
PFNA
Sample: IA1633STD-5 S/N:792.2 Points Across peak:63



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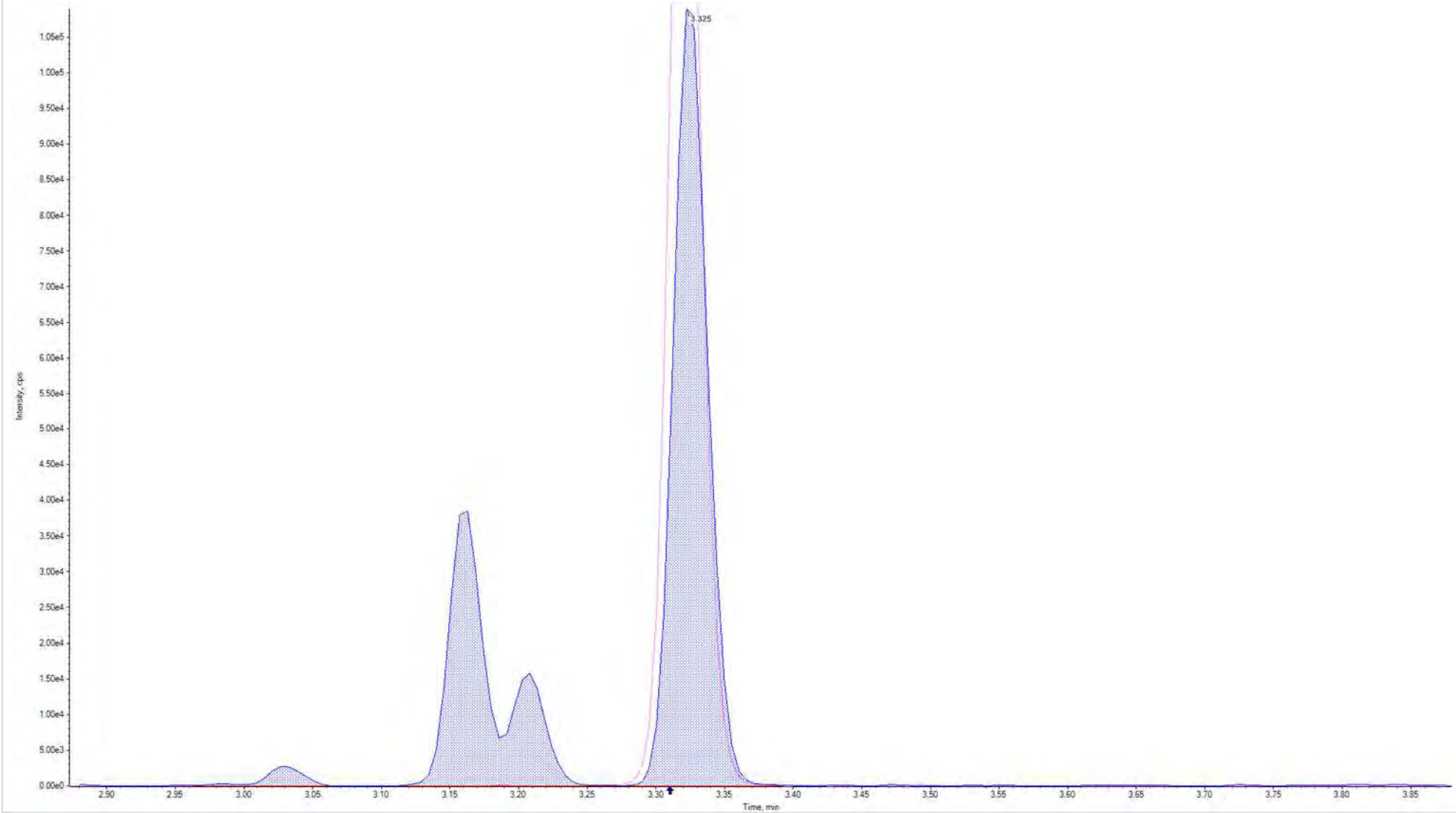
PFNA_2
Sample: IA1633STD-5 S/N:572.9 Points Across peak:79



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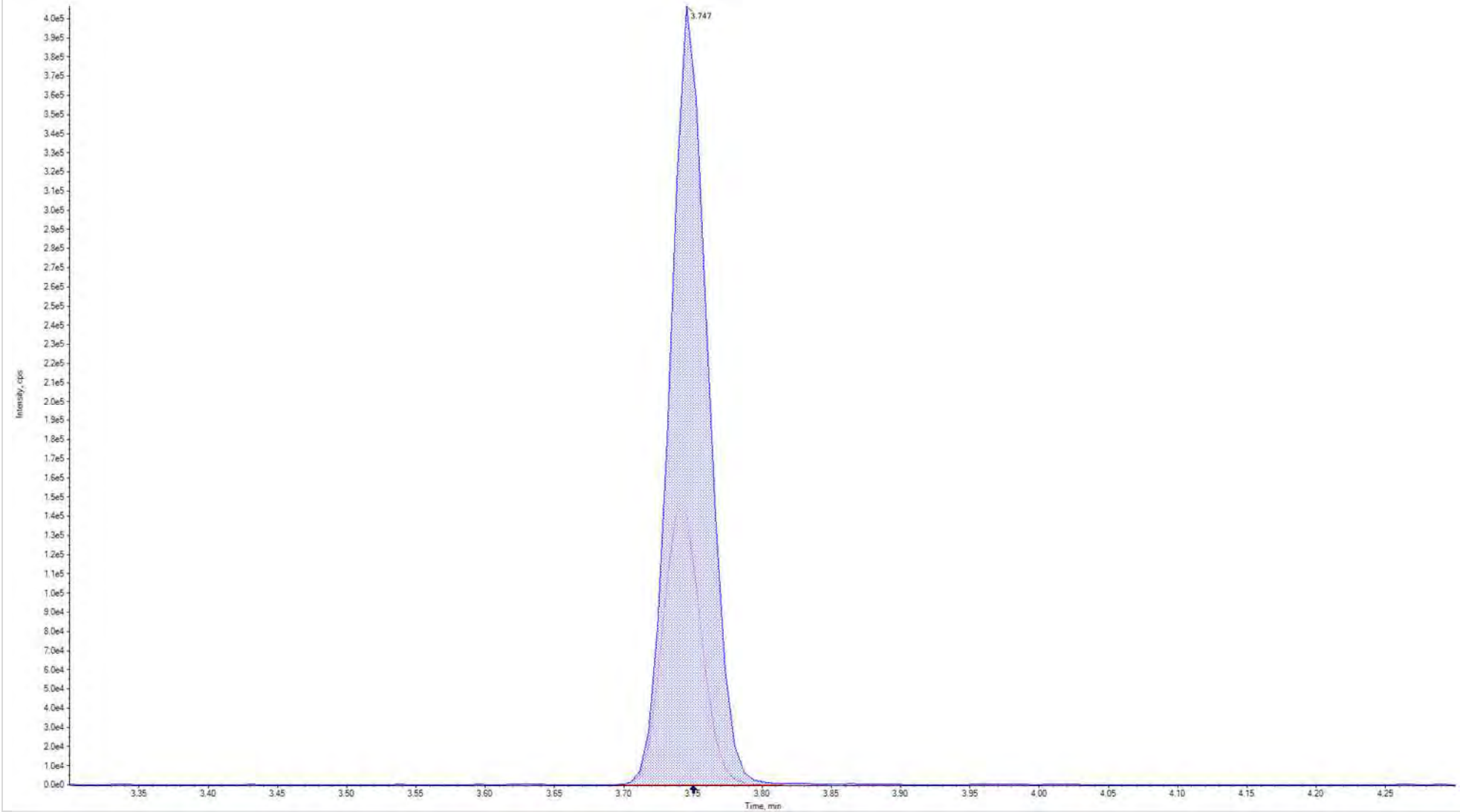
PFDA
Sample: IA1633STD-5 S/N:6936.1 Points Across peak:22



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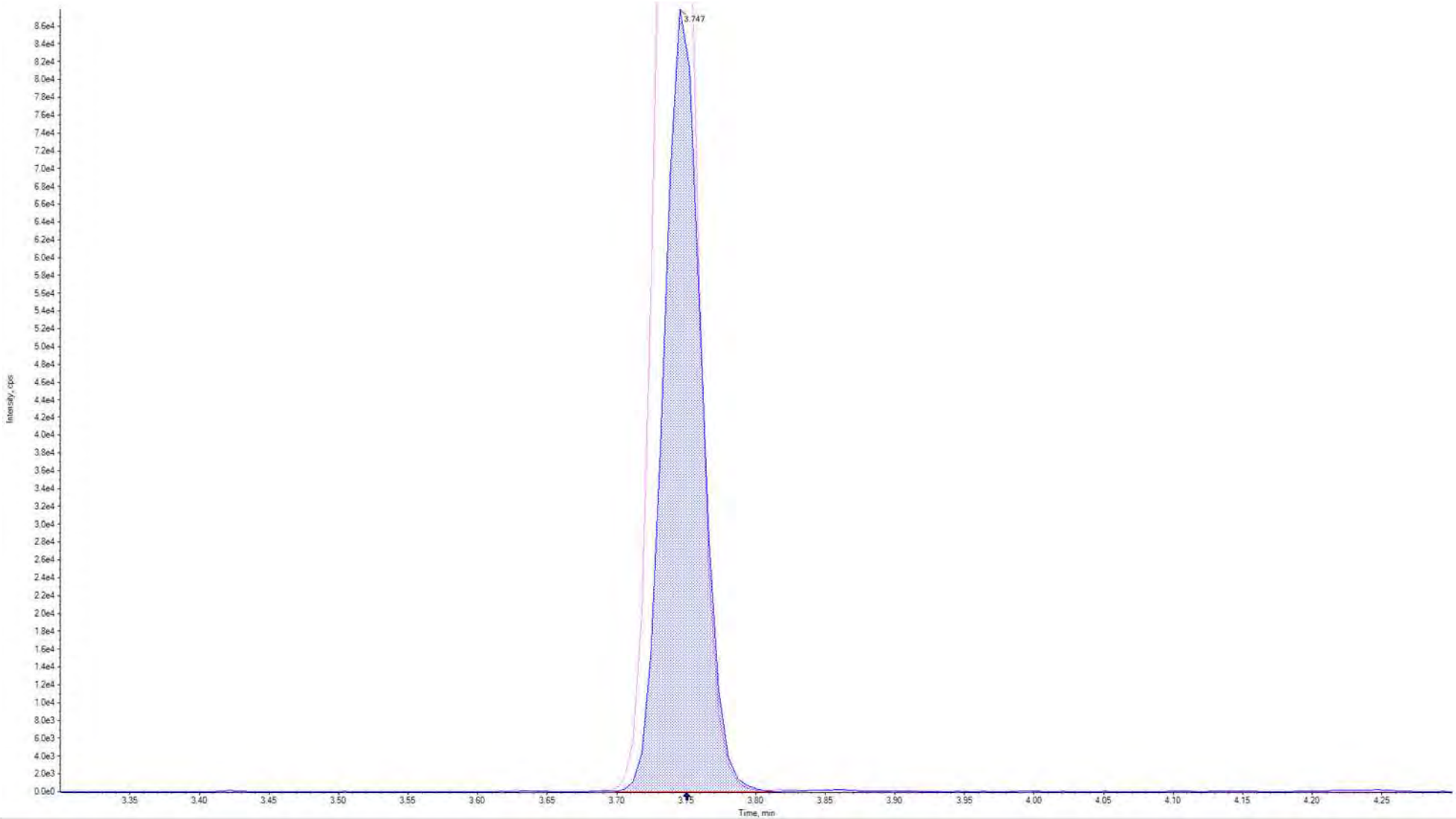
PFDA_2
Sample: IA1633STD-5 S/N:1762.3 Points Across peak:18



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PFUnA
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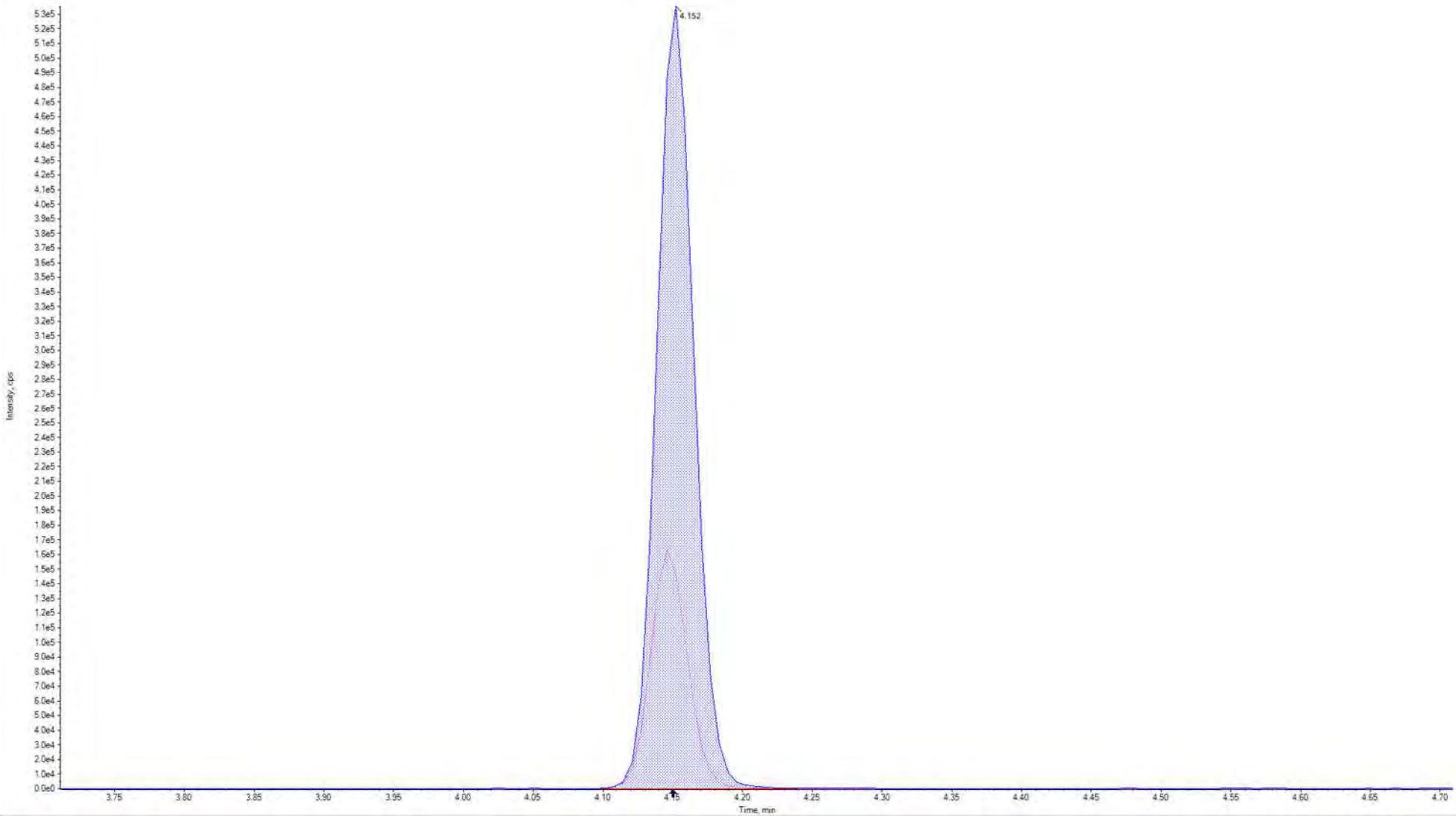

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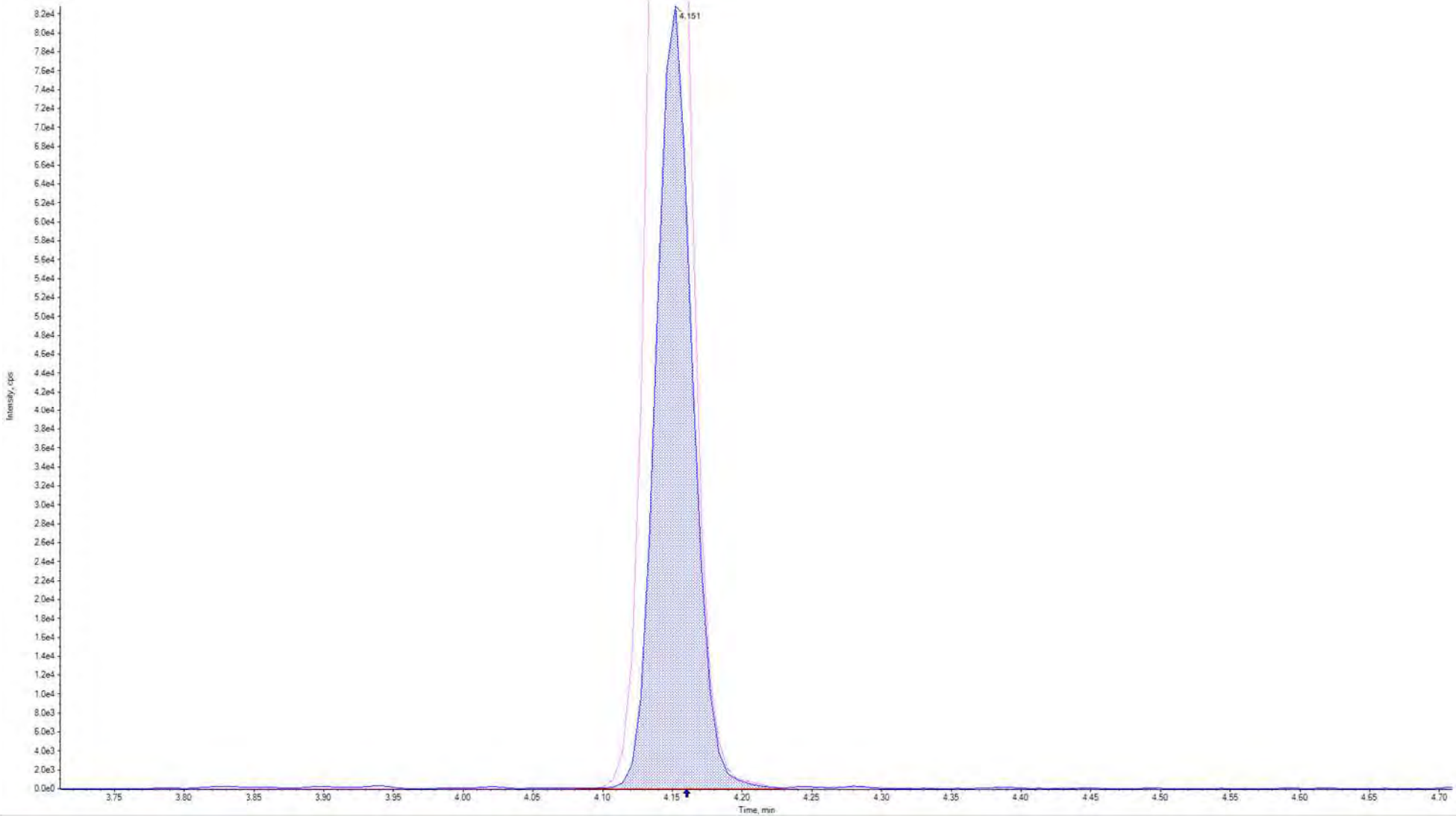
PFUnA_2
Sample: IA1633STD-5 S/N:1600.6 Points Across peak:24



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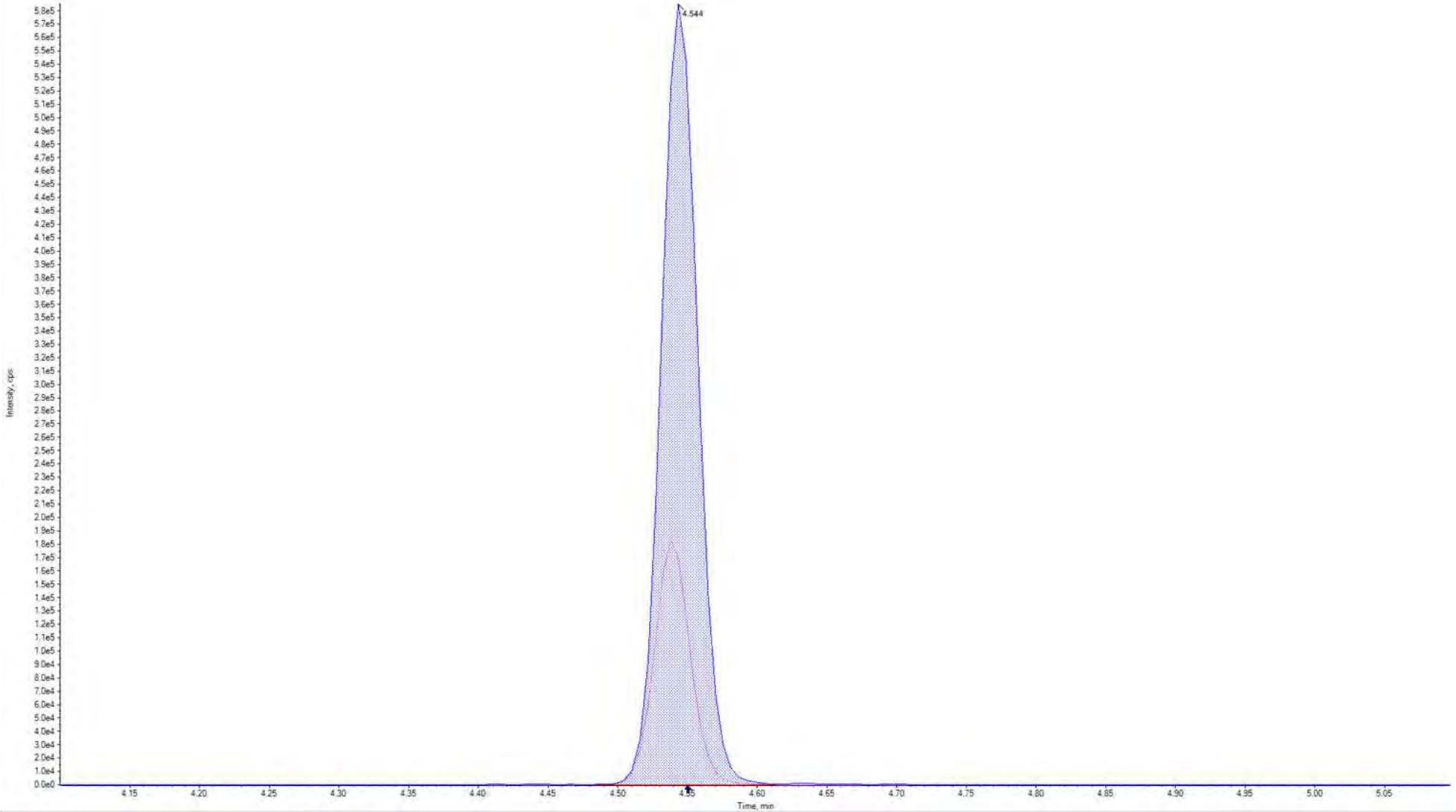
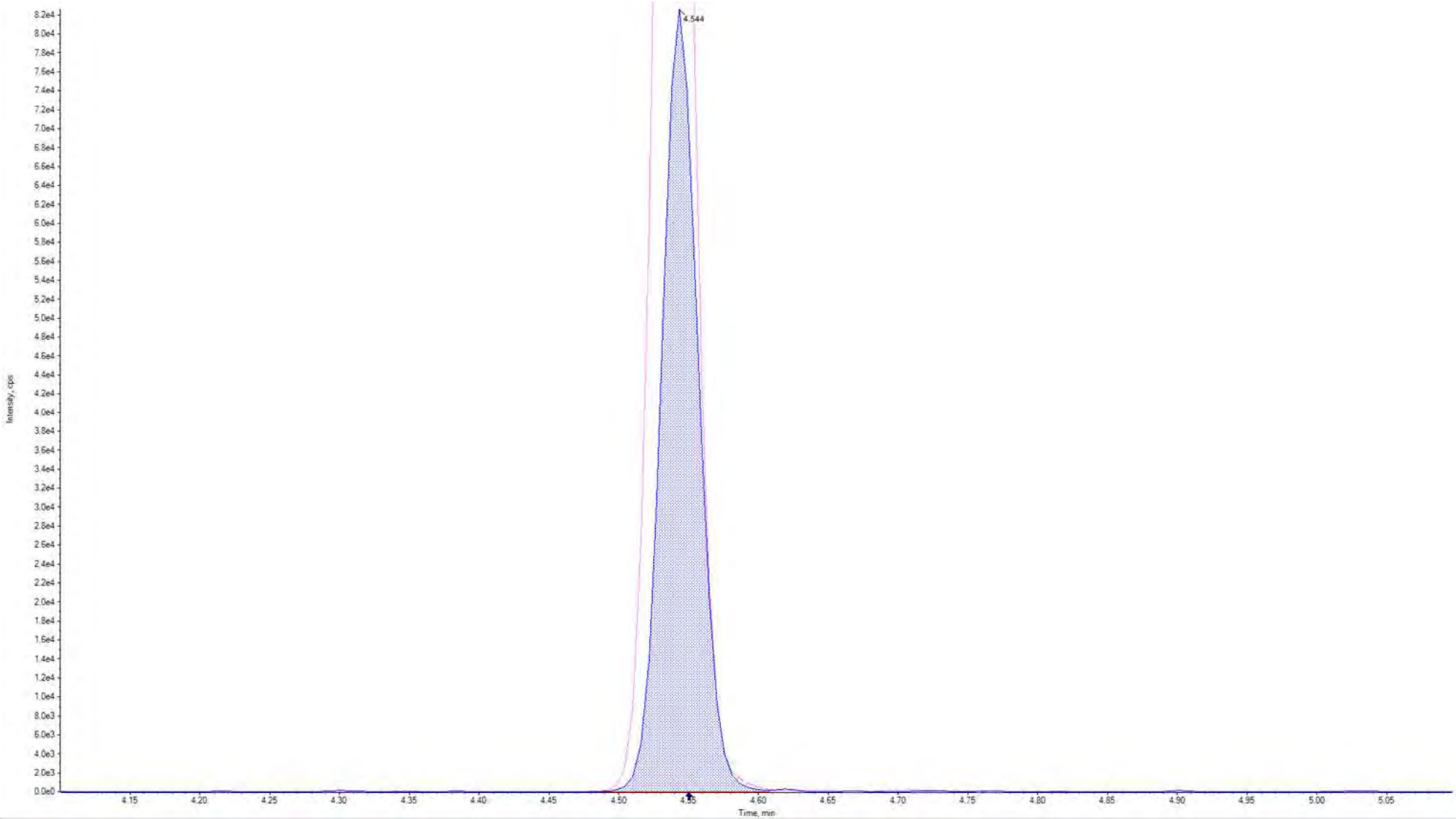
PFDoA
Sample: IA1633STD-5 S/N:11473.3 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_20.wiff2_5
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFDoA_2
Sample: IA1633STD-5 S/N:2277.7 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/12/2024 3:16:42 PM
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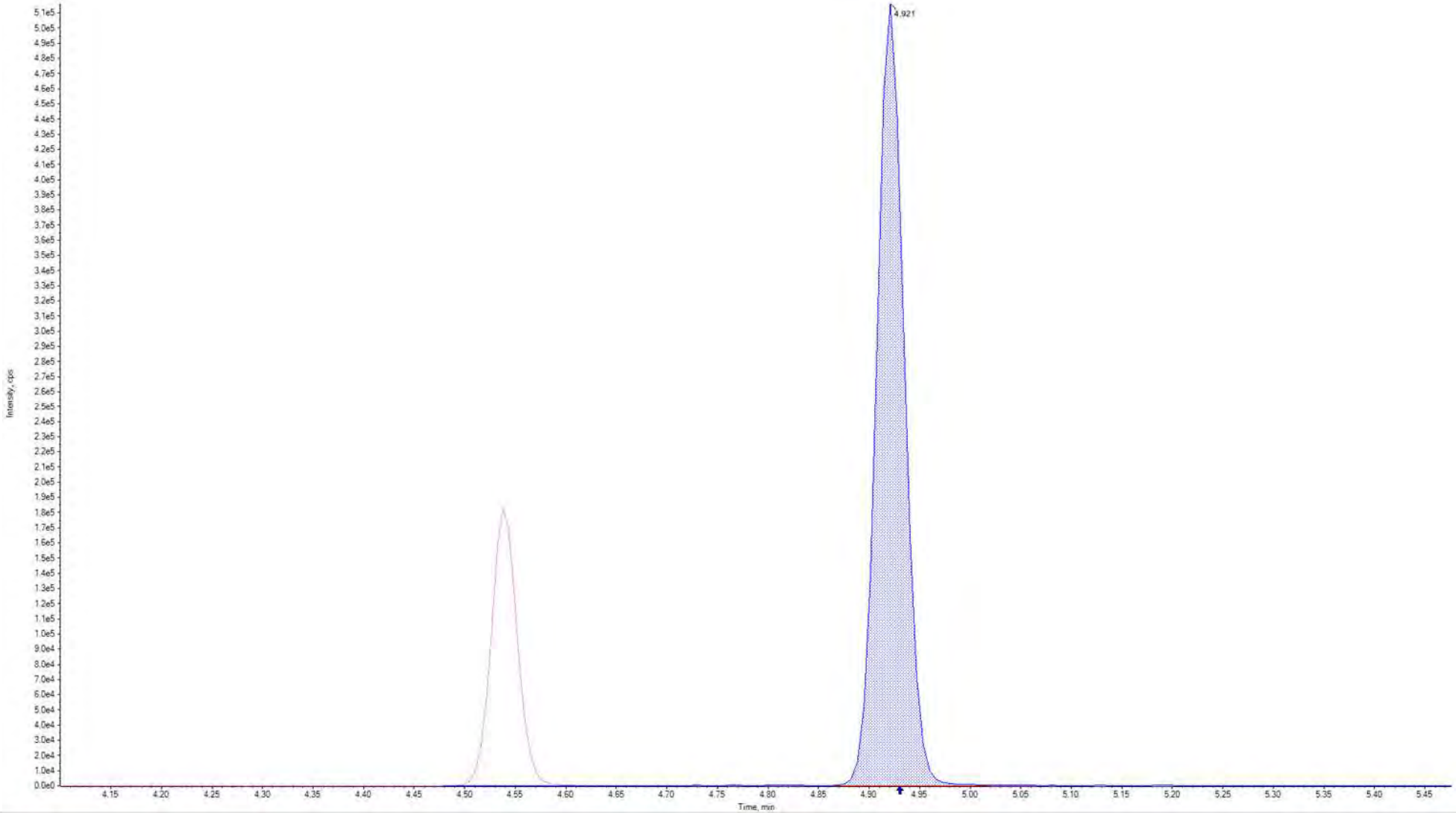
PFTrDA
Sample: IA1633STD-5 S/N:6316.3 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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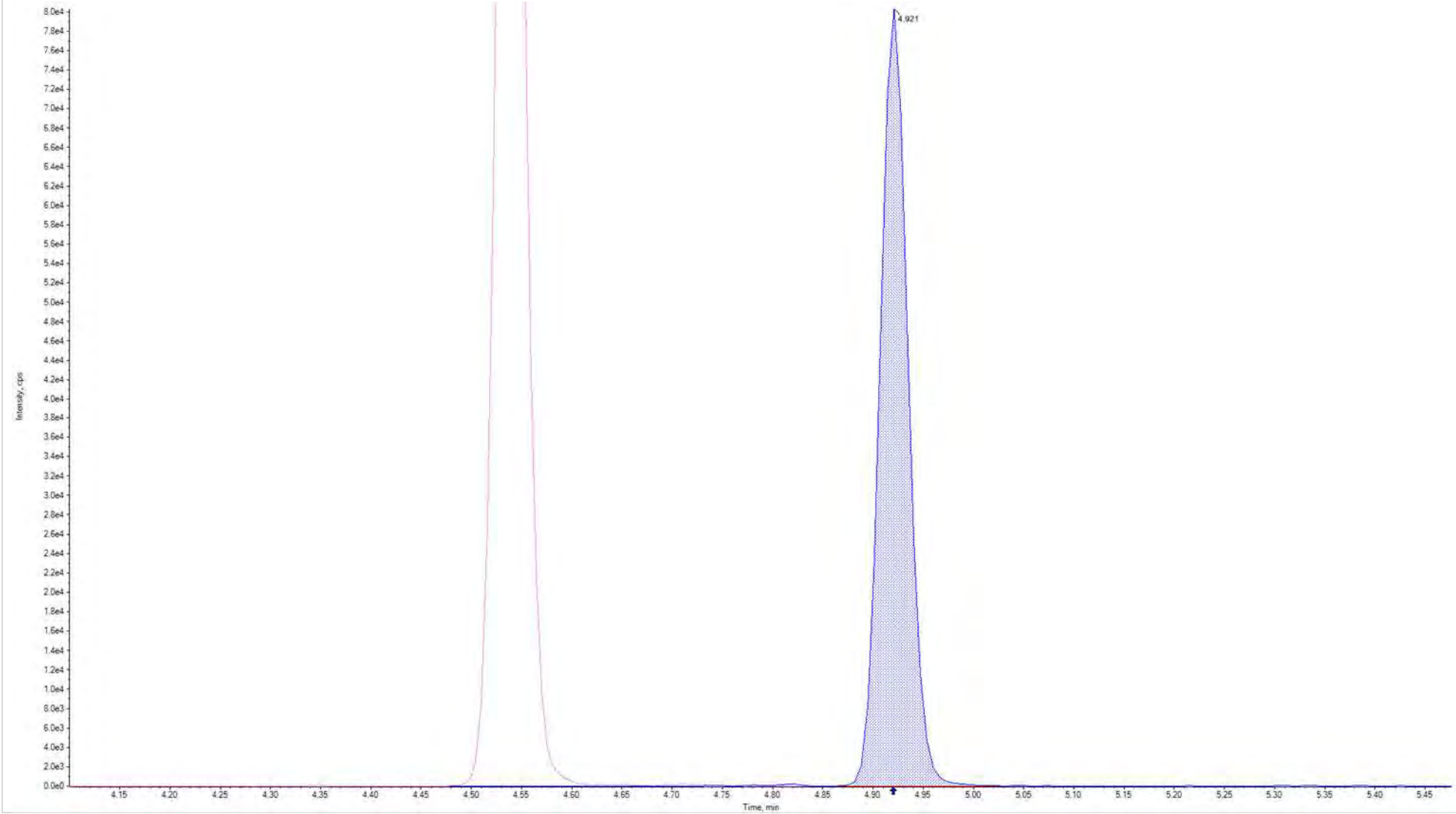
PFTrDA_2
Sample: IA1633STD-5 S/N:3067.3 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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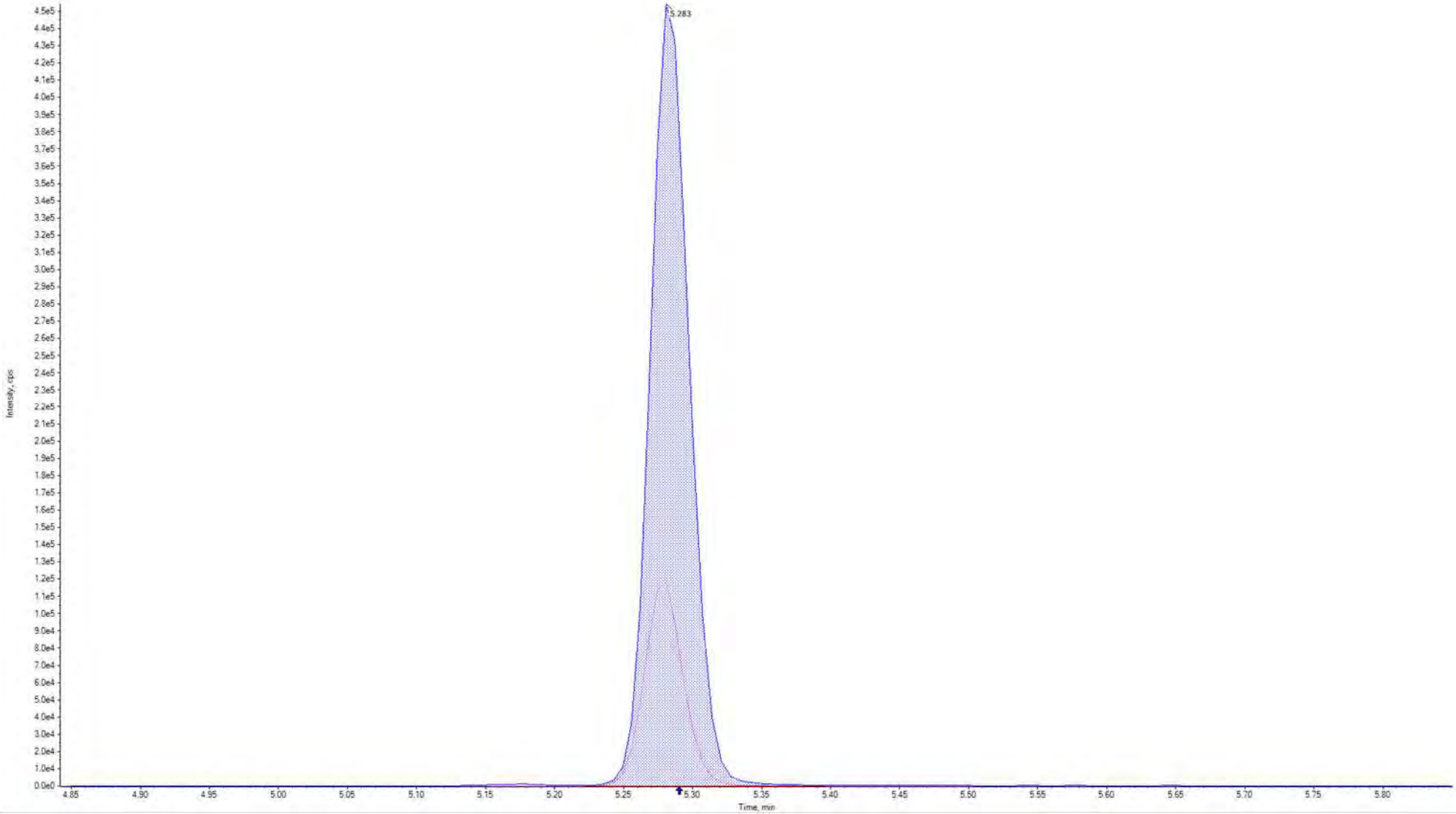
PFTeDA
Sample: IA1633STD-5 S/N:4668.8 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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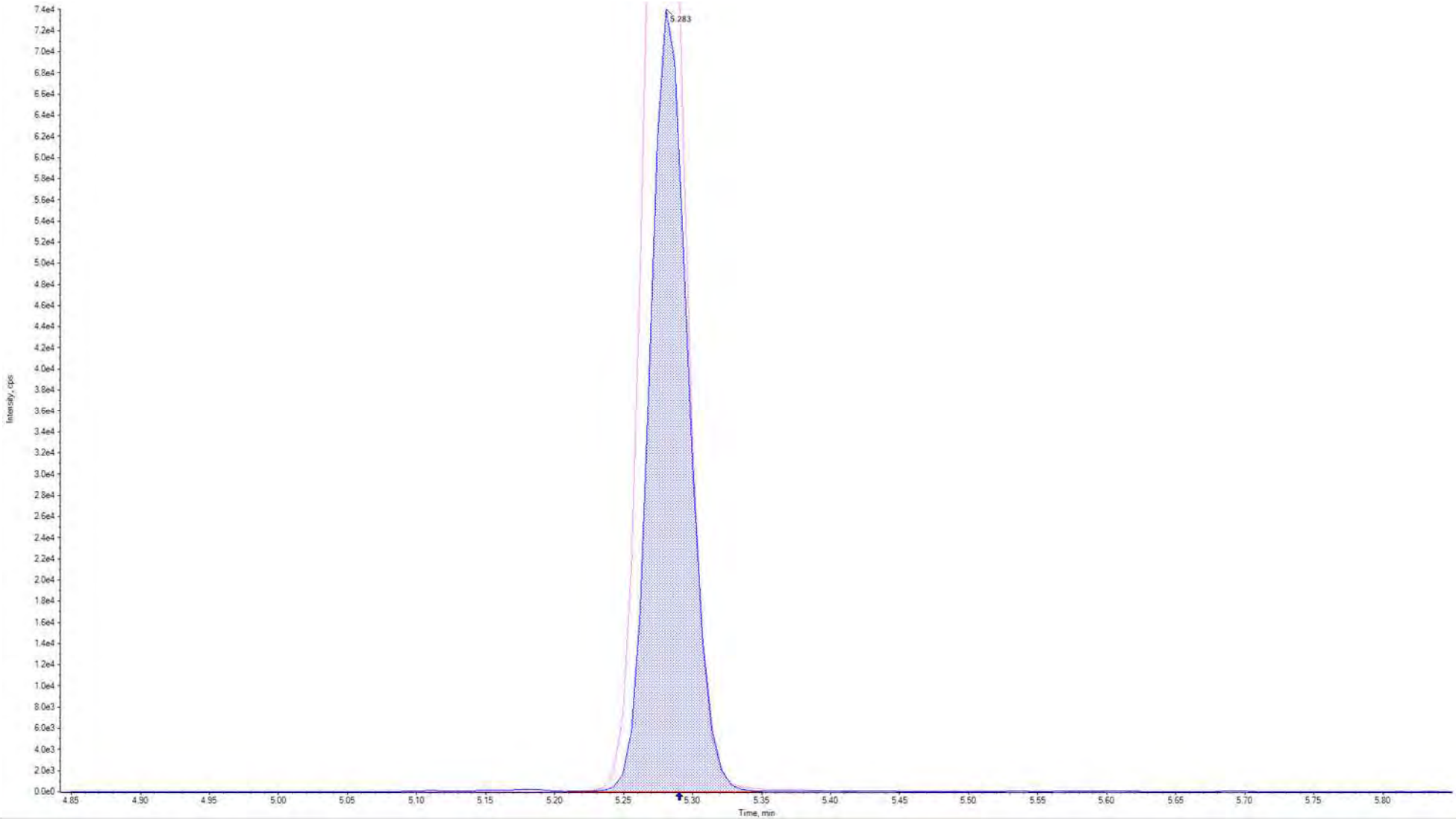
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFTeDA_2
Sample: IA1633STD-5 S/N:1800.6 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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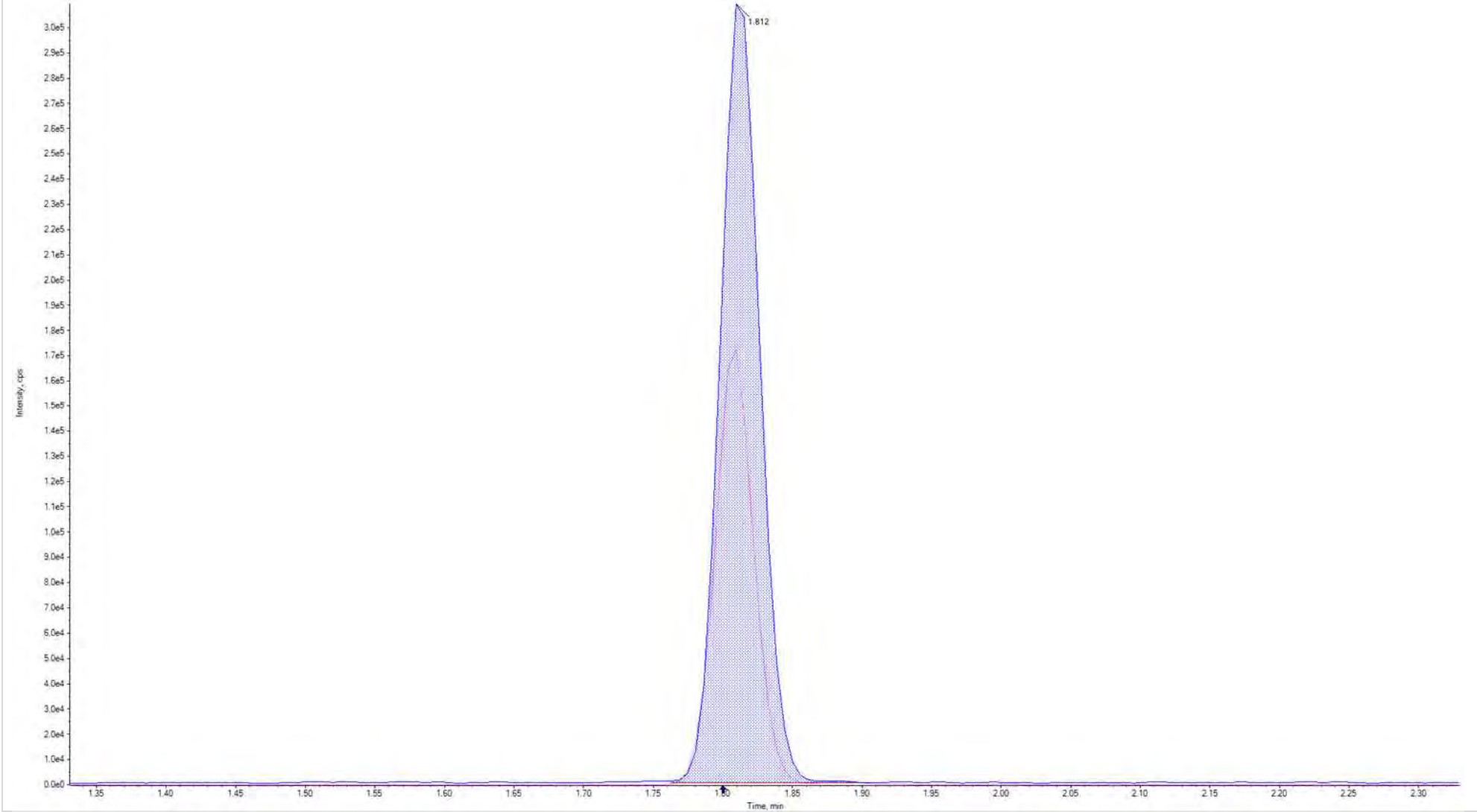
PFBS
Sample: IA1633STD-5 S/N:1316.7 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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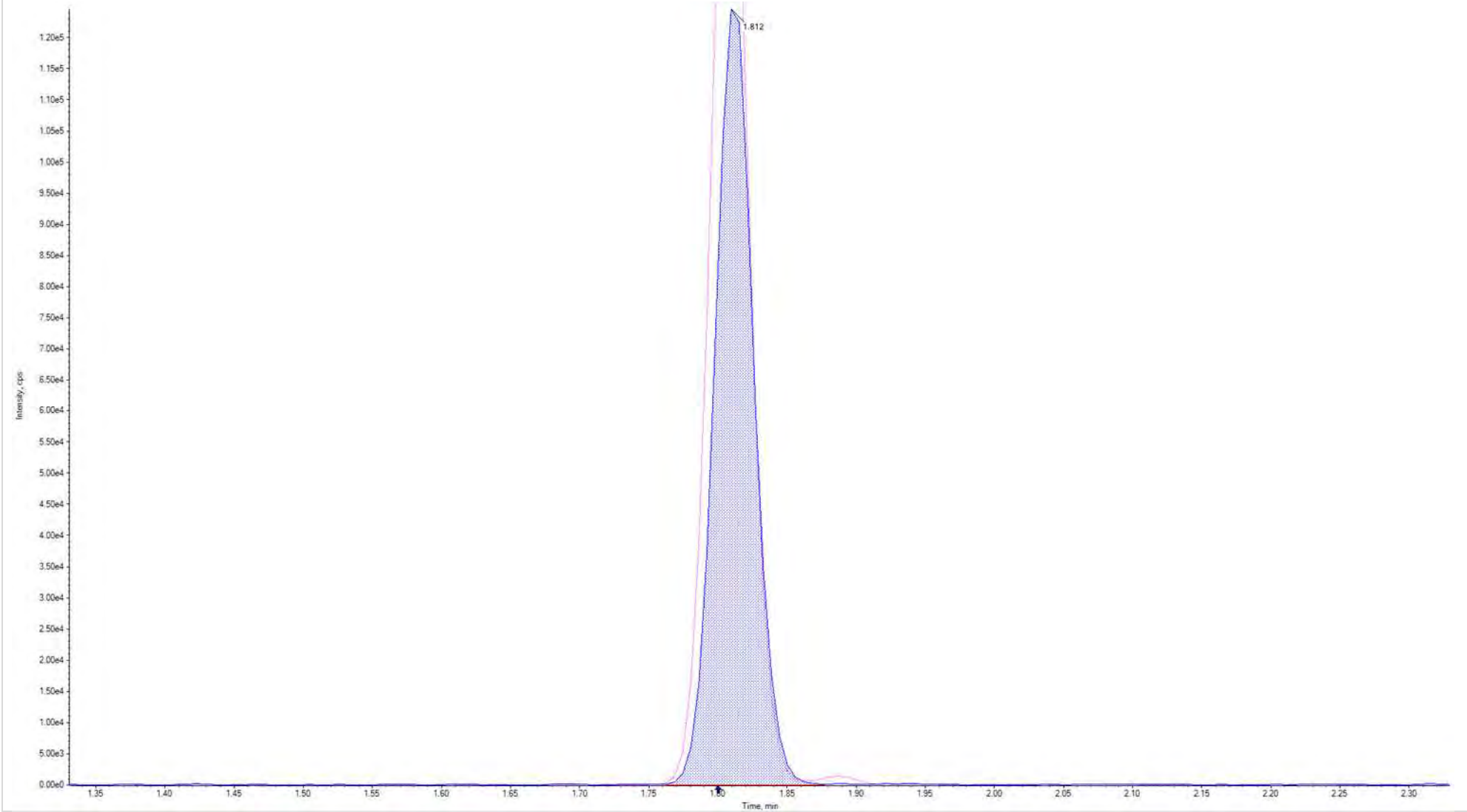
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFBS_2
Sample: IA1633STD-5 S/N:3121.0 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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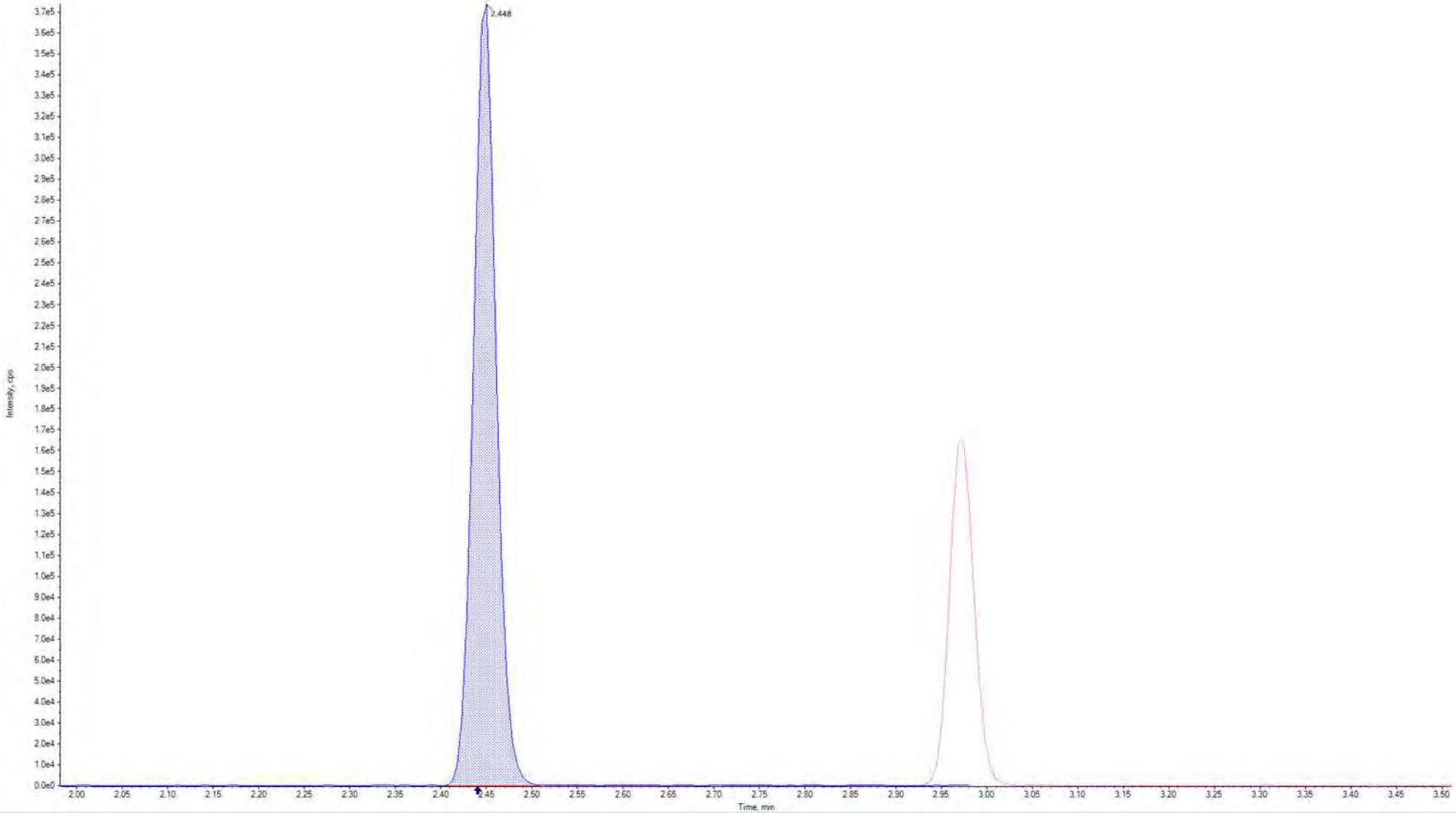
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFPeS
Sample: IA1633STD-5 S/N:7493.8 Points Across peak:21



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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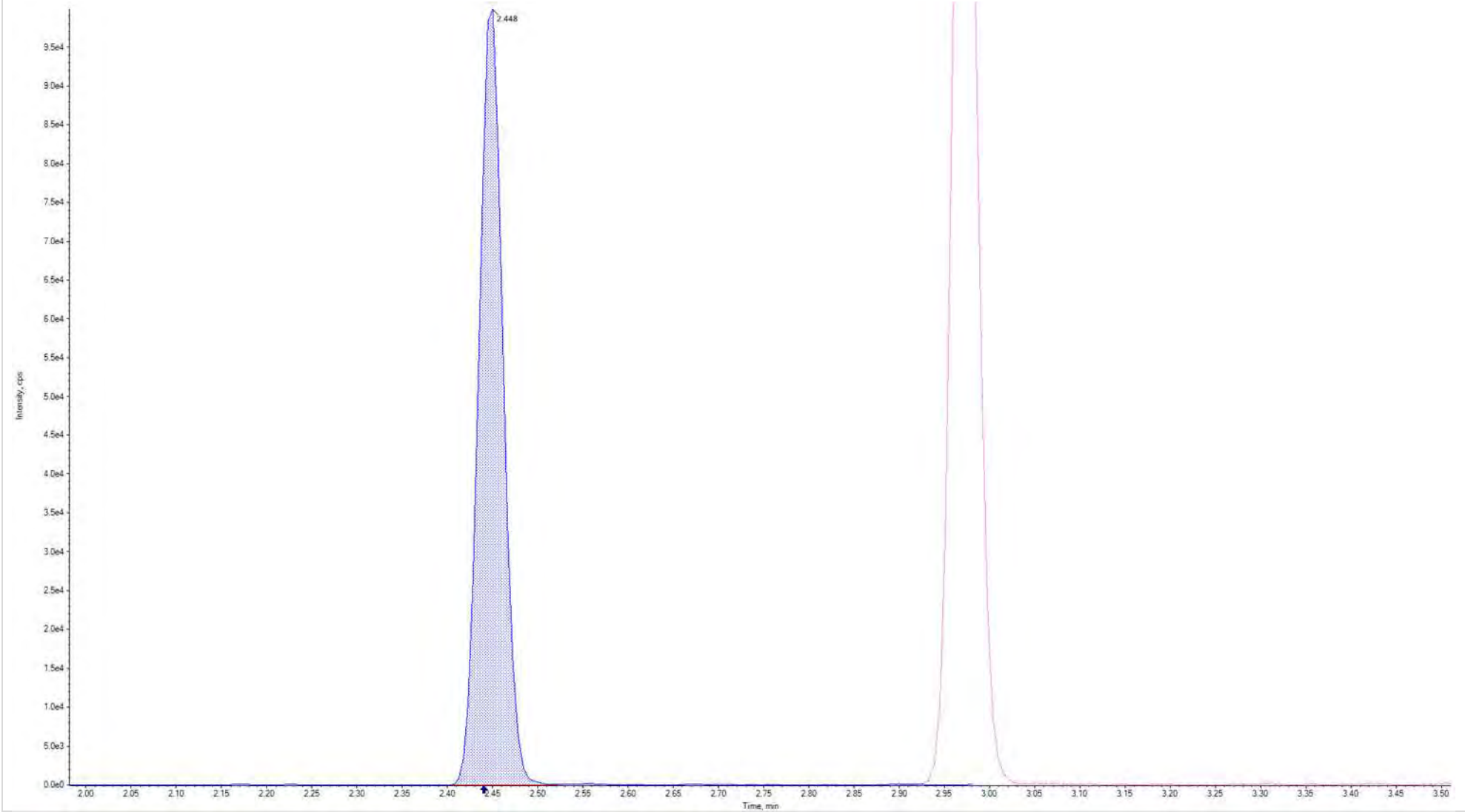
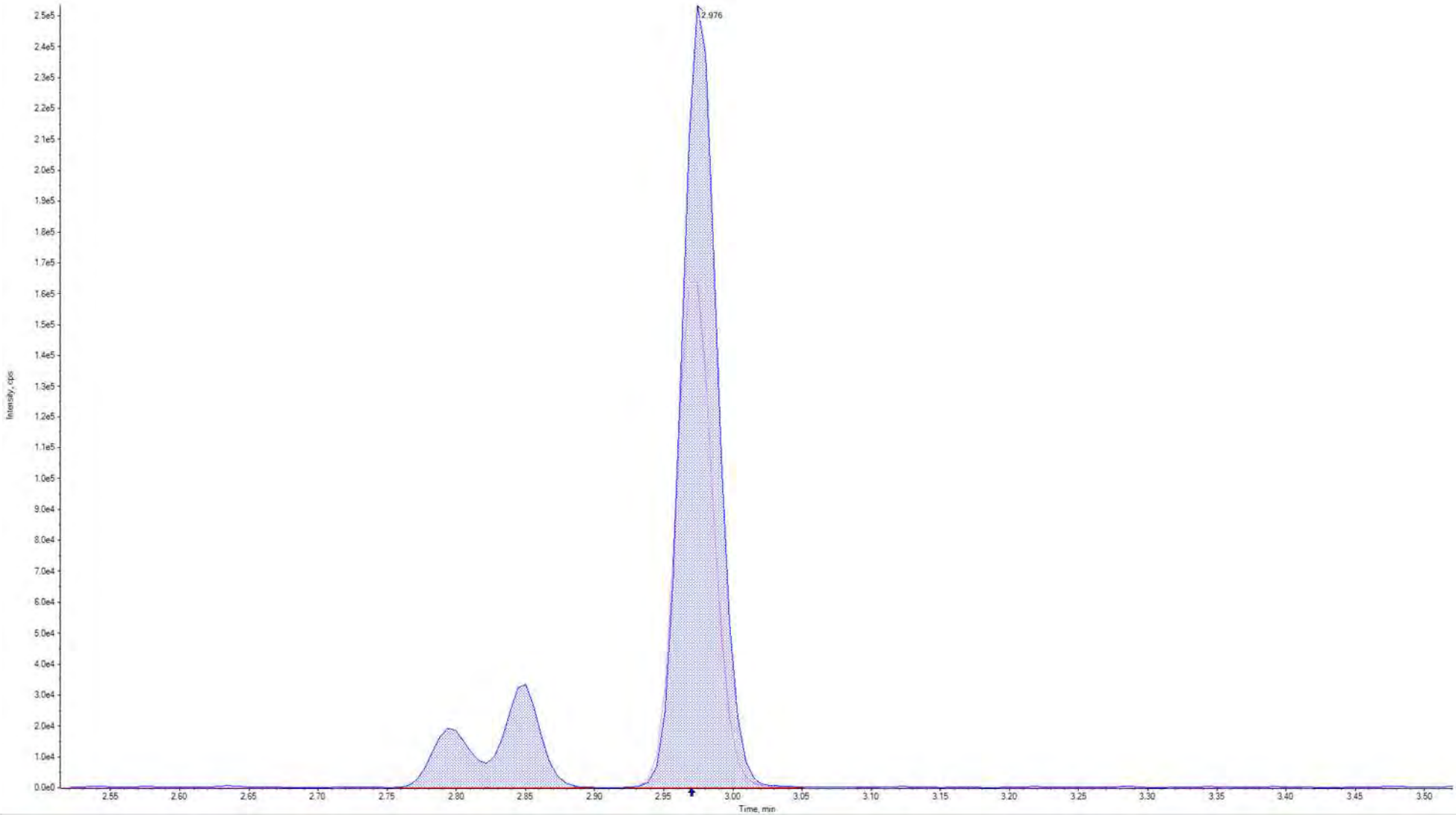
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFPeS_2
Sample: IA1633STD-5 S/N:2003.0 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_20.wiff2_5
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFHxS
Sample: IA1633STD-5 S/N:740.6 Points Across peak:52



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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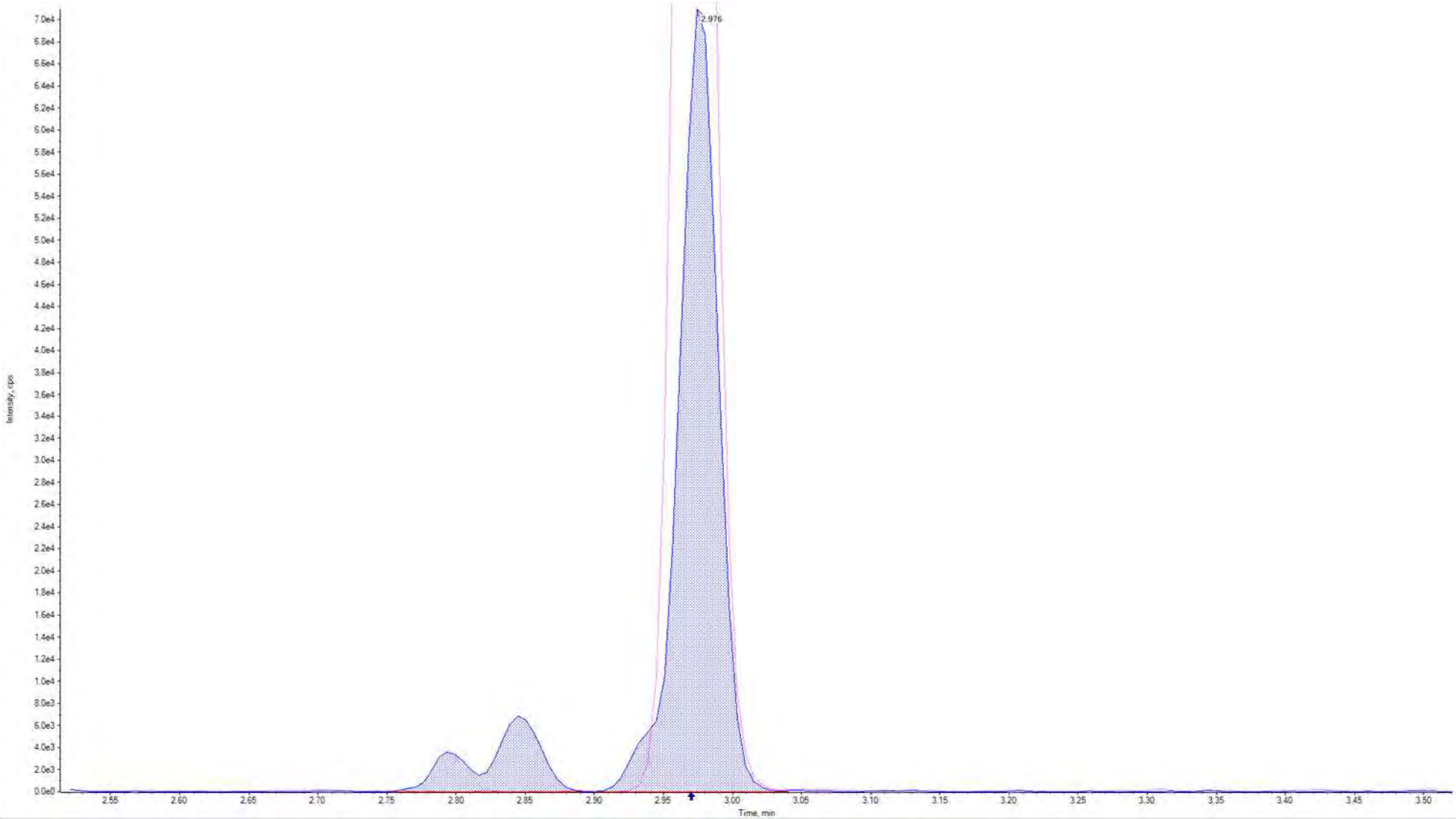
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFHxS_2
Sample: IA1633STD-5 S/N:907.3 Points Across peak:51



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/12/2024 3:16:42 PM
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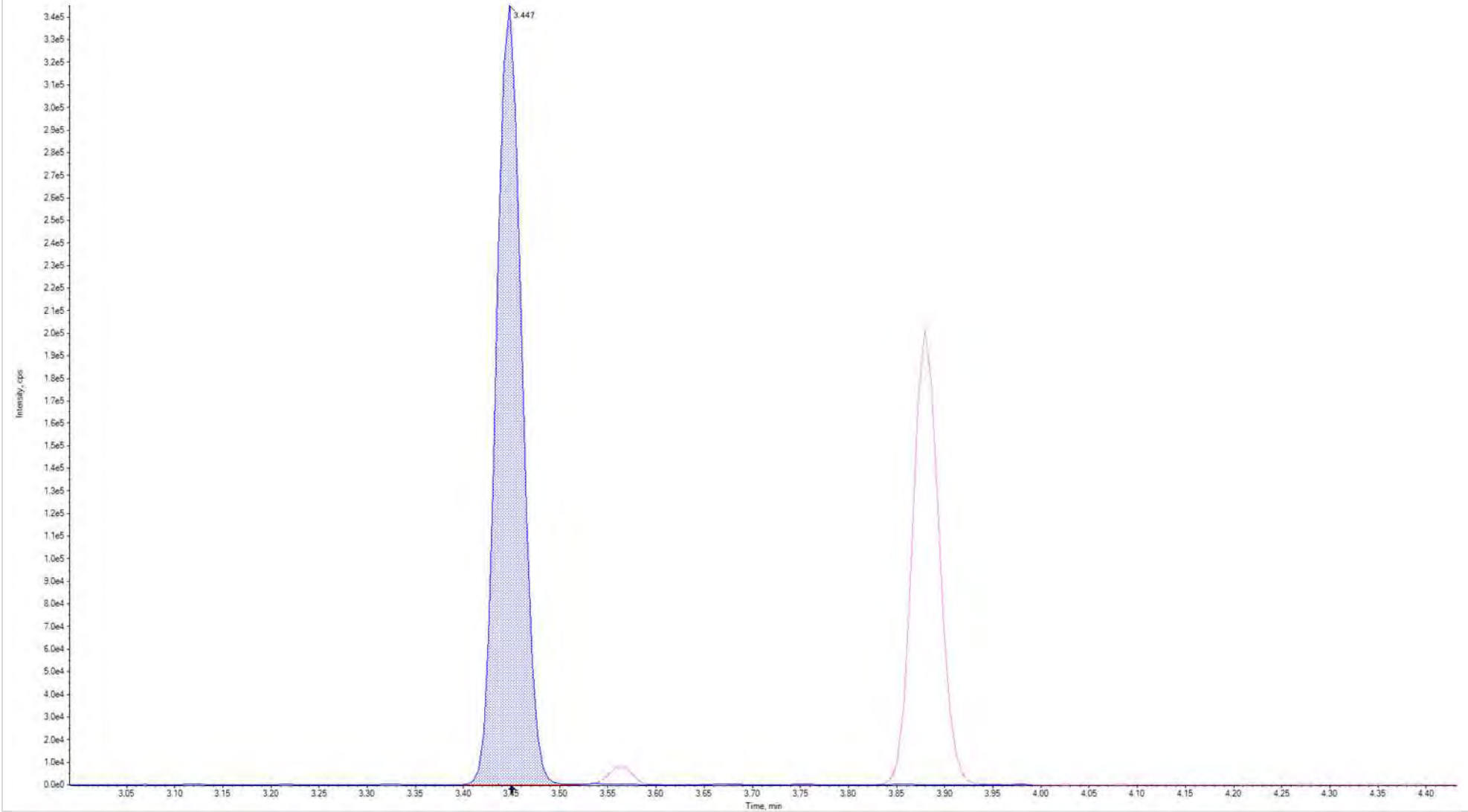
PFHpS
Sample: IA1633STD-5 S/N:6922.1 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/12/2024 3:16:42 PM
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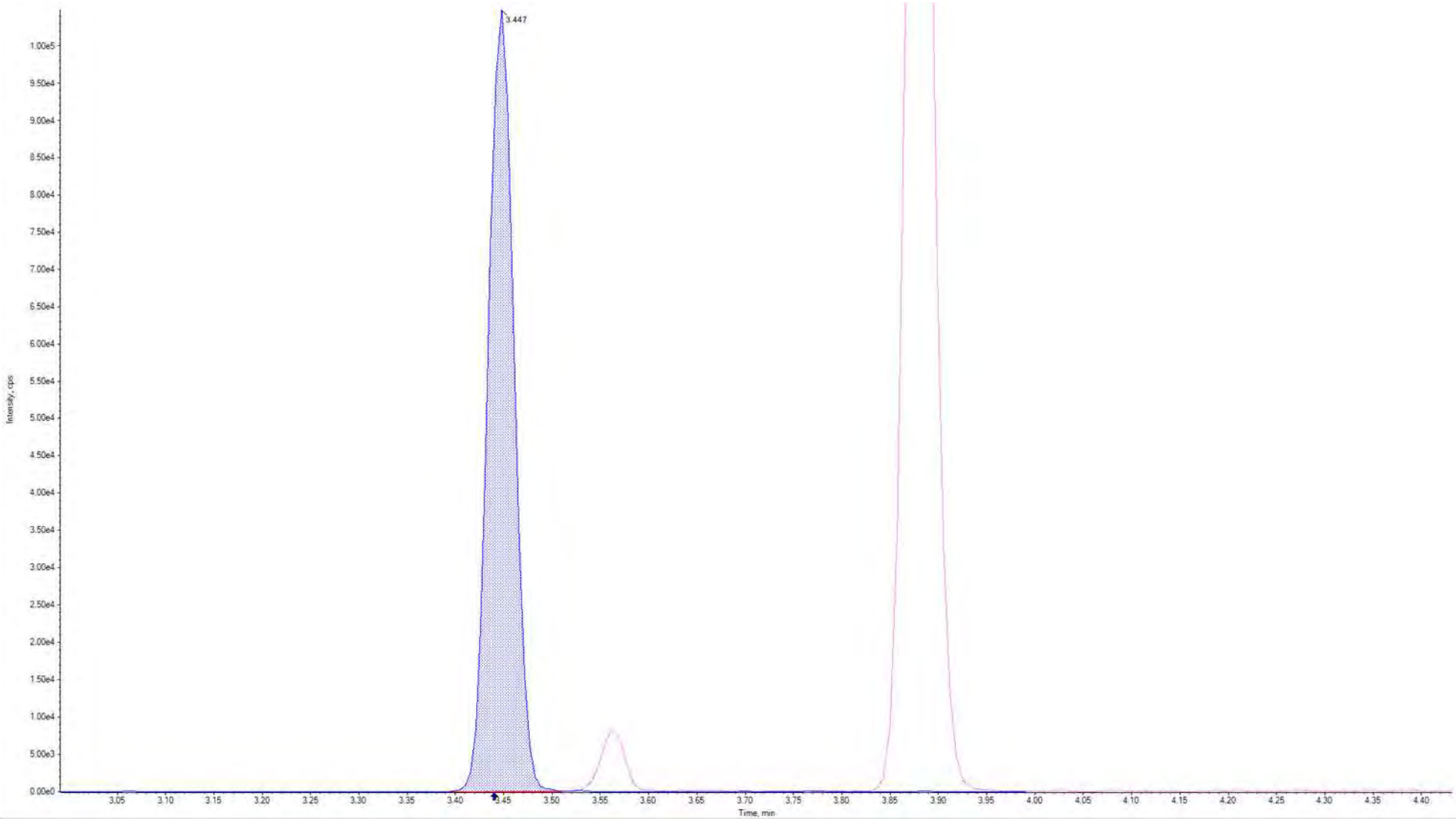
PFHpS_2
Sample: IA1633STD-5 S/N:2102.0 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/12/2024 3:16:42 PM
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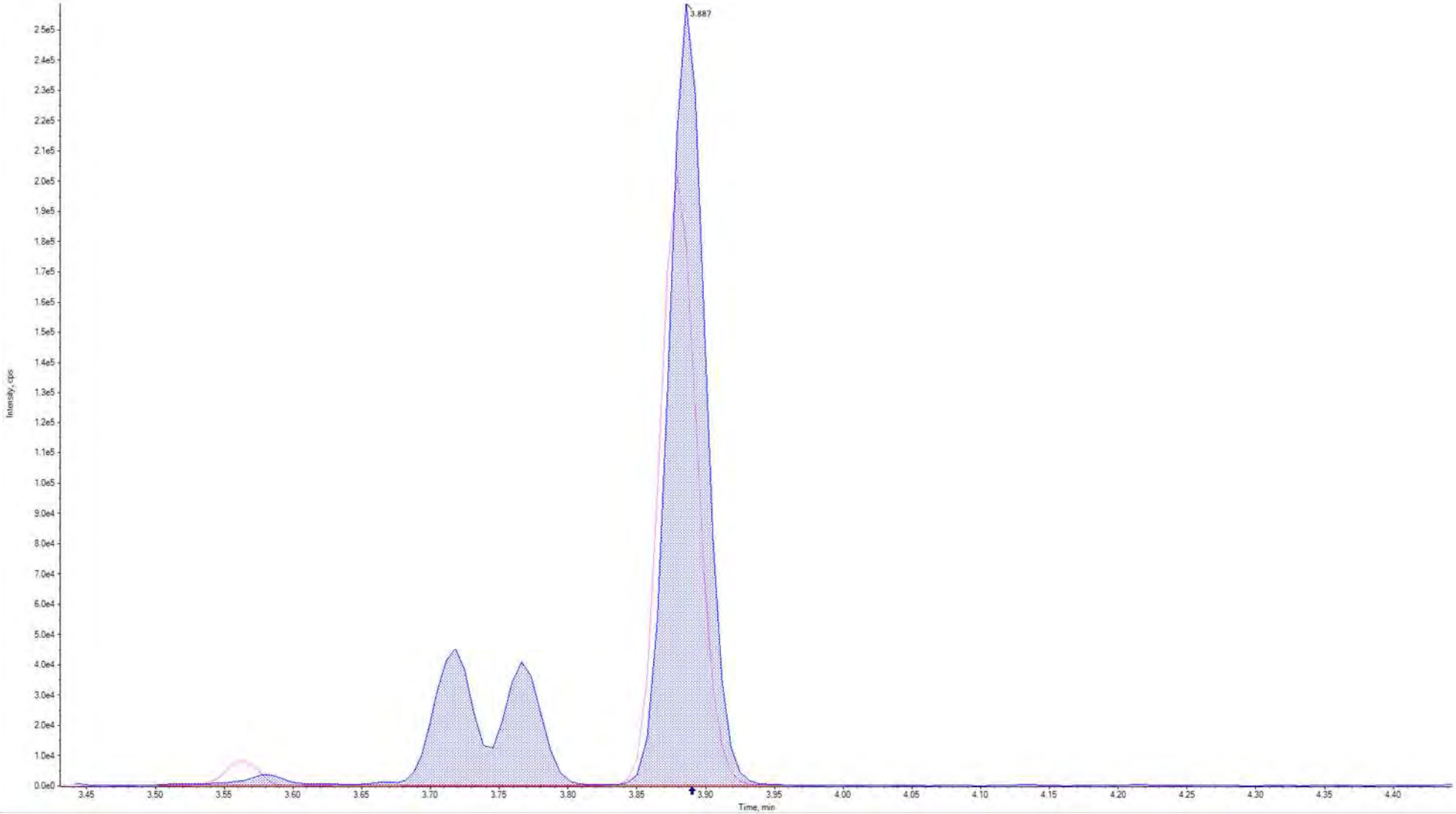
PFOS
Sample: IA1633STD-5 S/N:405.1 Points Across peak:81



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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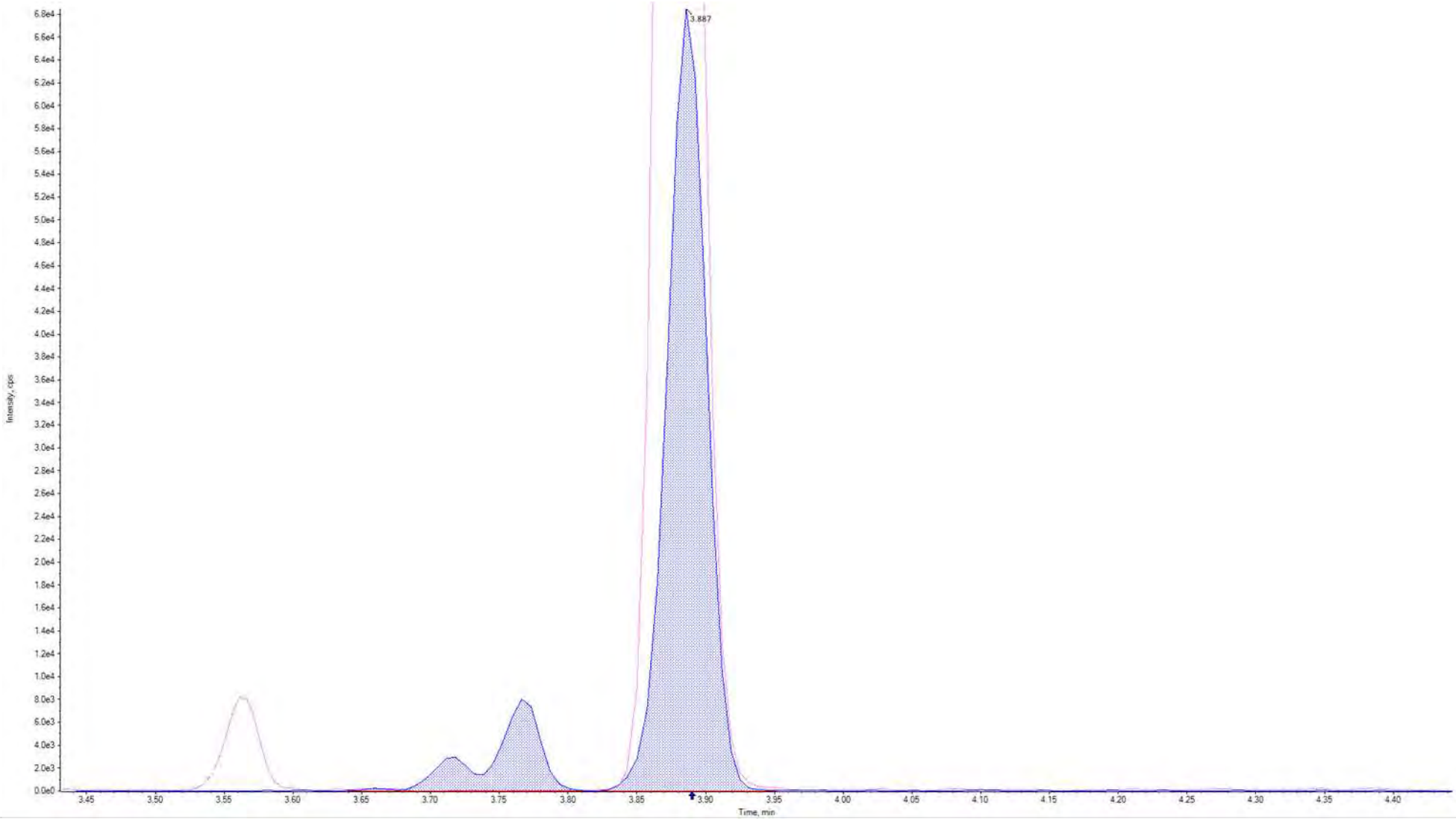
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFOS_2
Sample: IA1633STD-5 S/N:944.3 Points Across peak:50



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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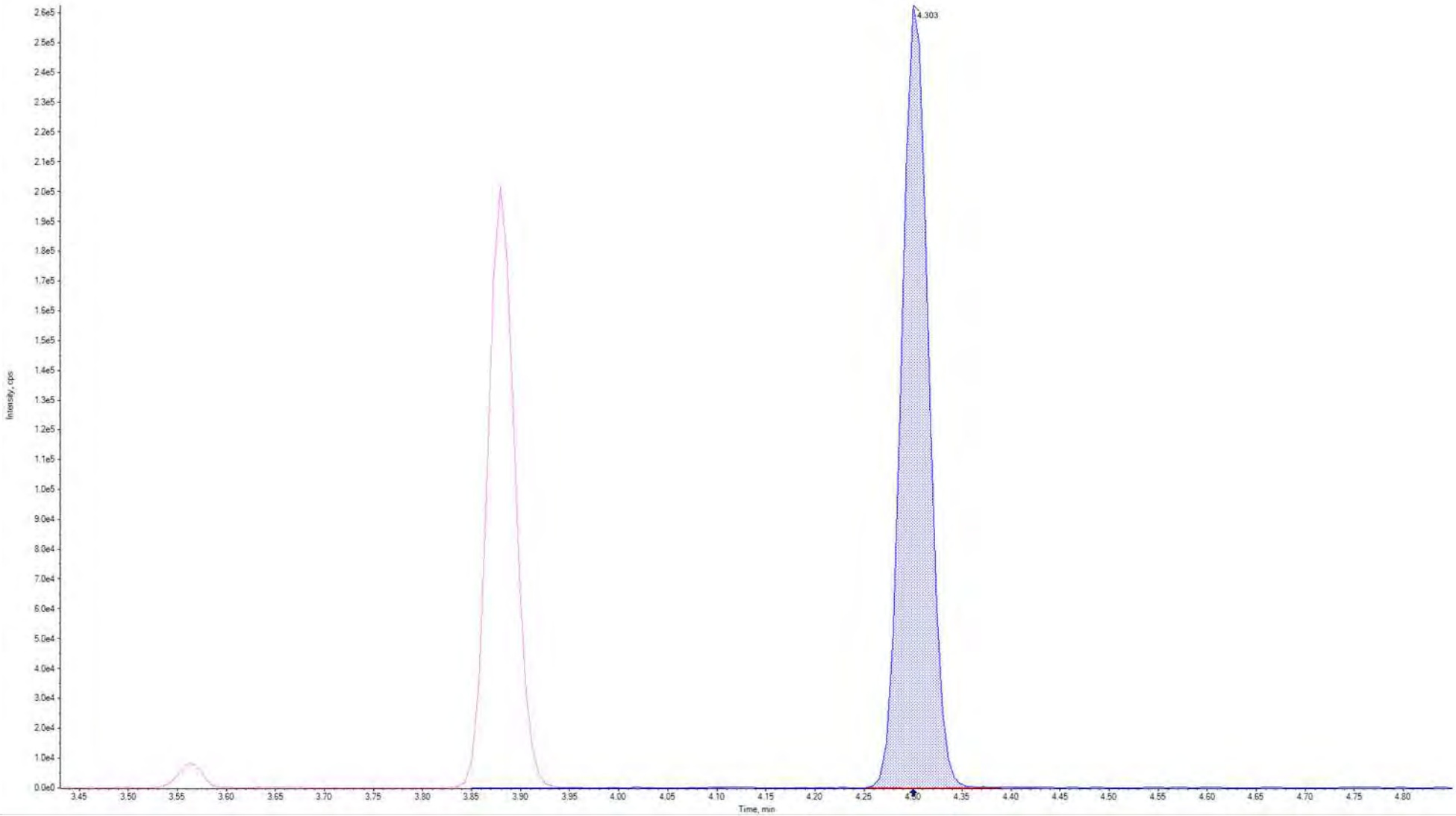
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFNS
Sample: IA1633STD-5 S/N:6577.5 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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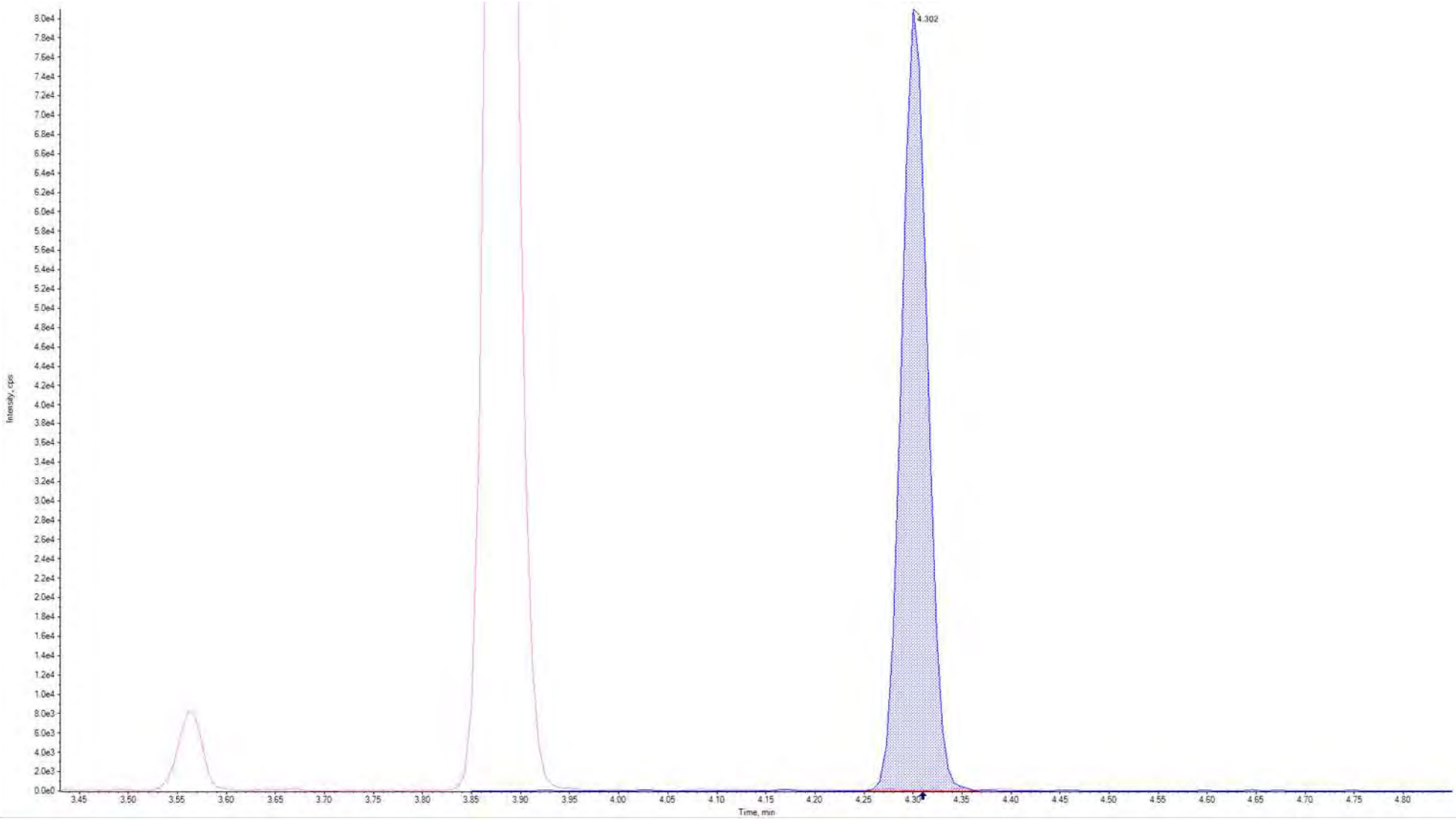
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFNS_2
Sample: IA1633STD-5 S/N:2029.6 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/12/2024 3:16:42 PM
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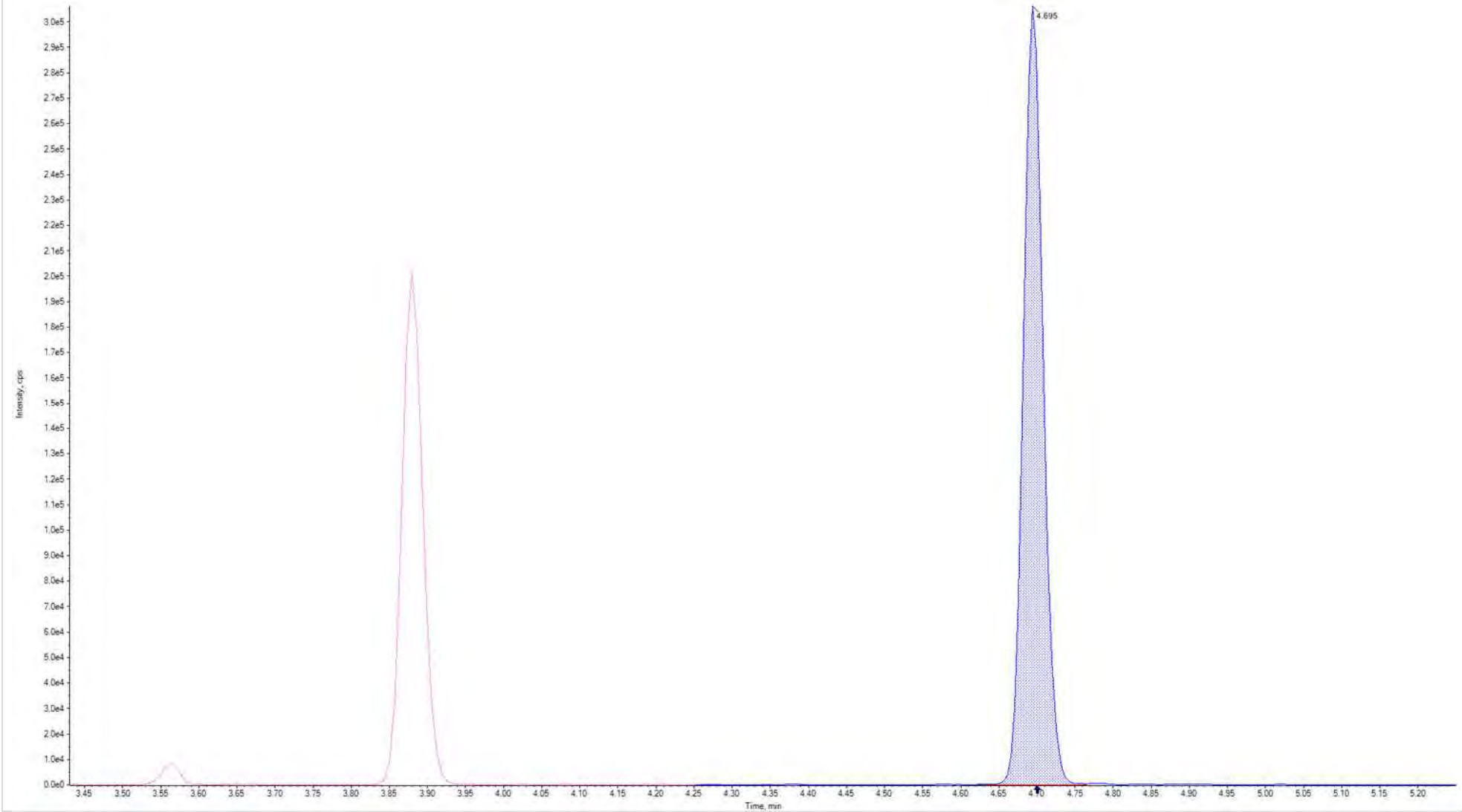
PFDS
Sample: IA1633STD-5 S/N:10094.0 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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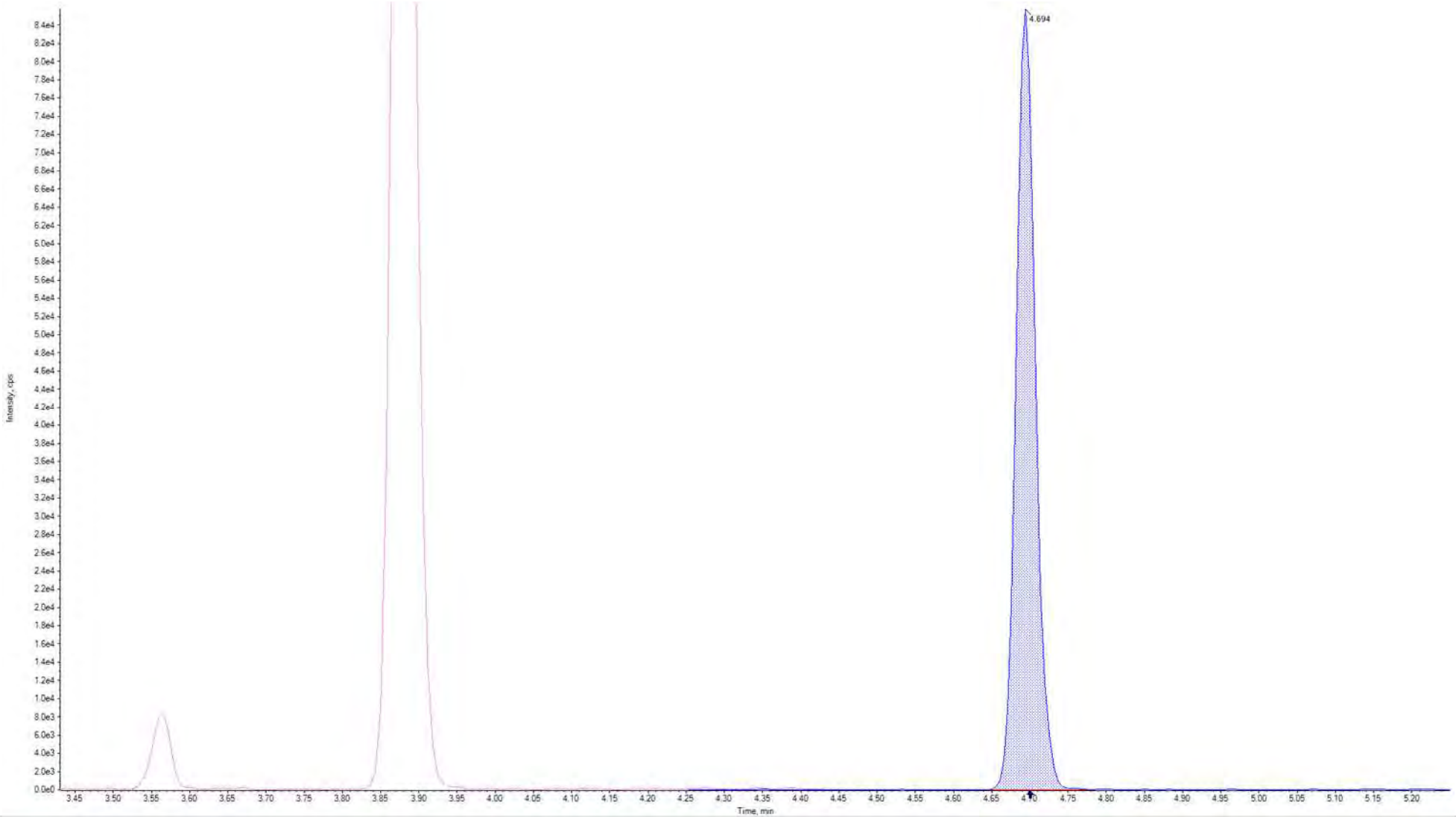
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFDS_2
Sample: IA1633STD-5 S/N:3009.2 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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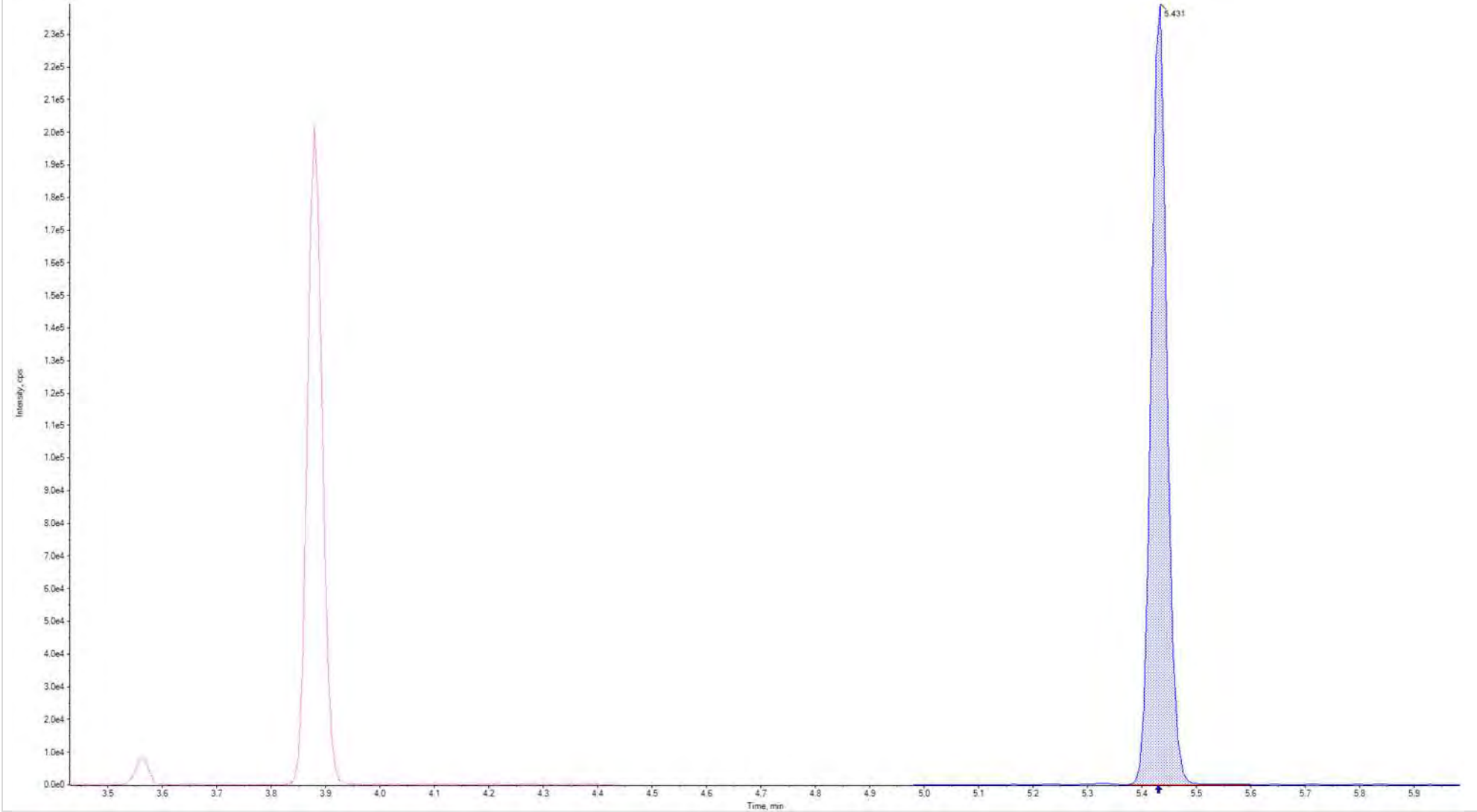
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFDoS
Sample: IA1633STD-5 S/N:5019.1 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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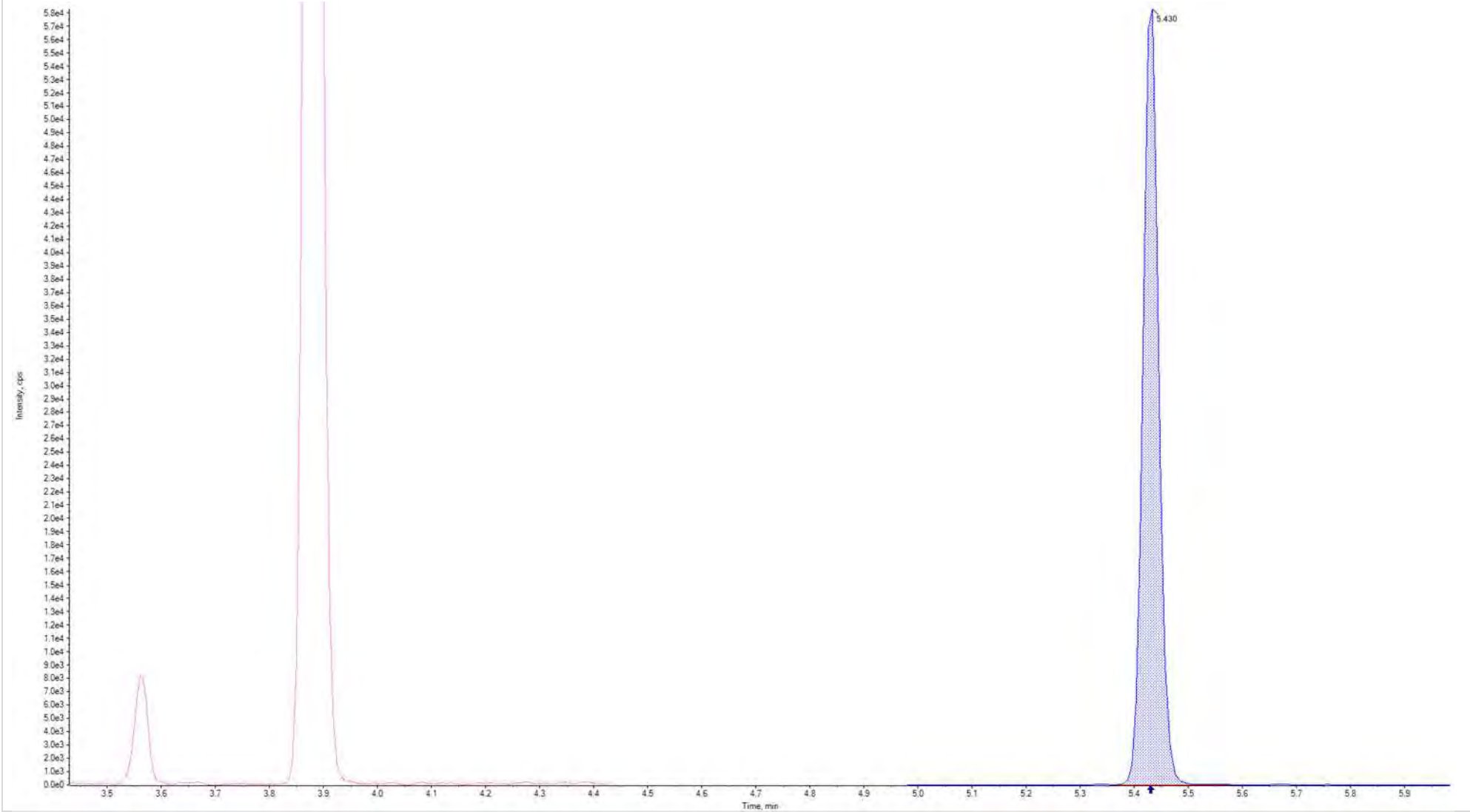
Generated: 11/12/2024 2:03:37 PM

PFDoS_2
Sample: IA1633STD-5 S/N:2005.1 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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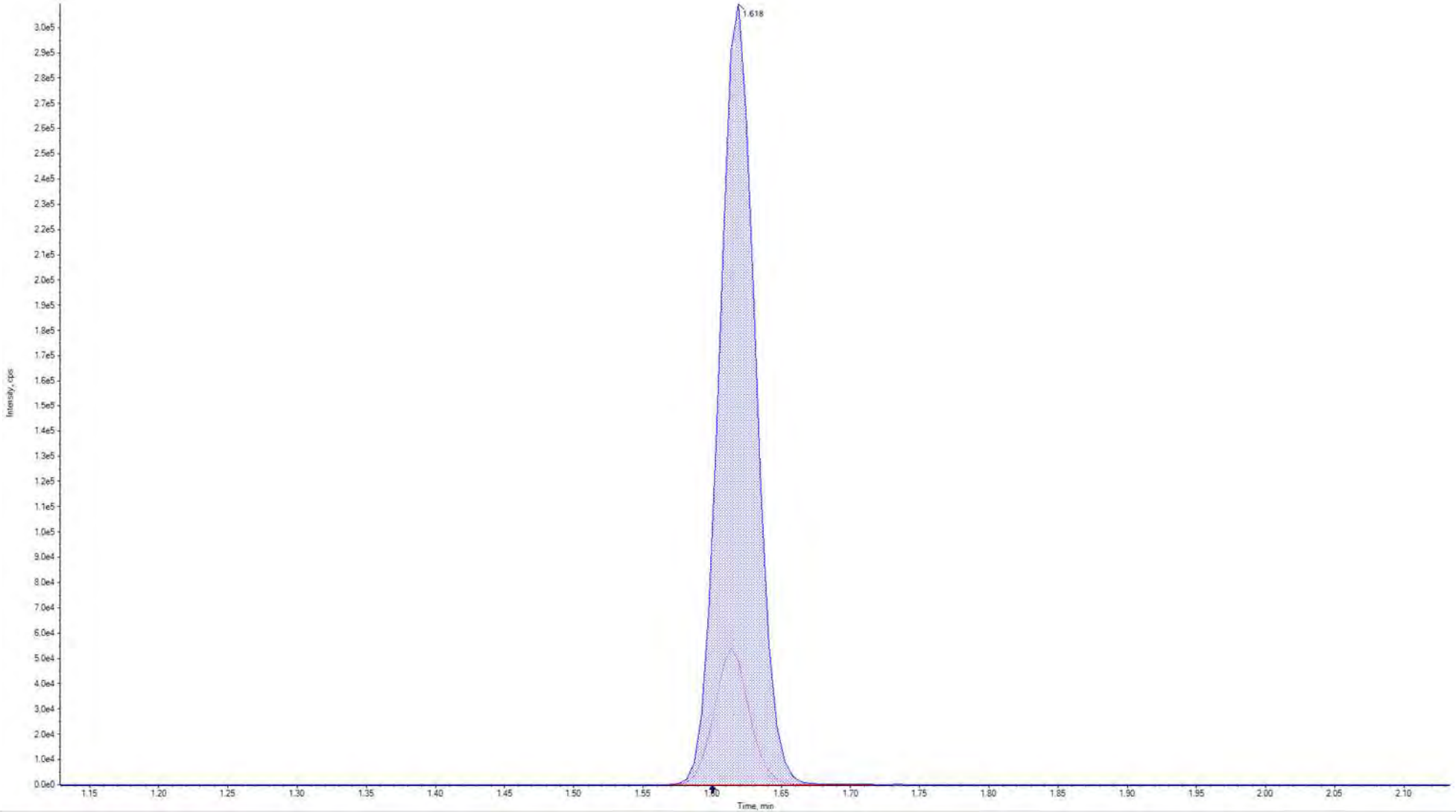
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

4:2FTS
Sample: IA1633STD-5 S/N:8159.2 Points Across peak:34



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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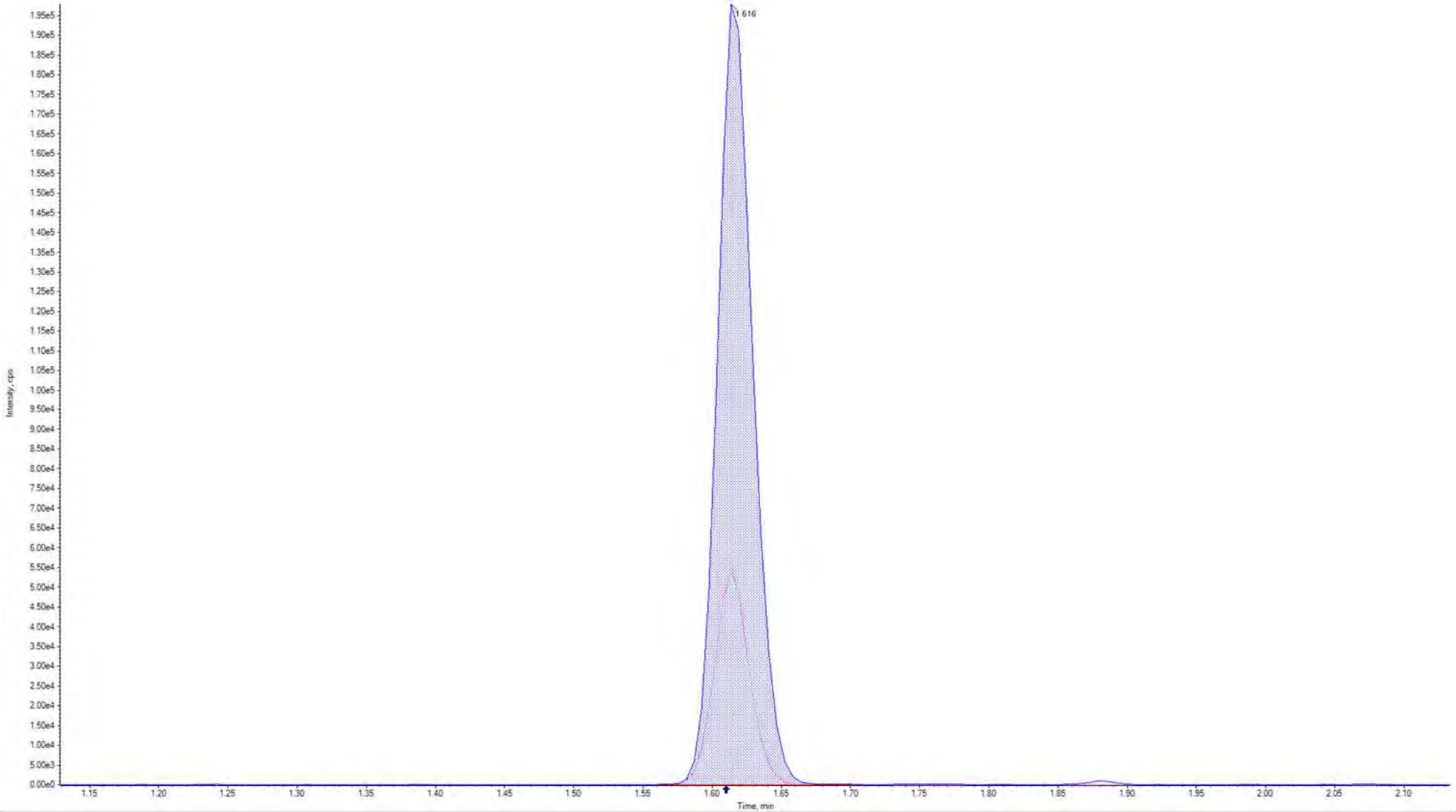
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

4:2FTS_2
Sample: IA1633STD-5 S/N:3829.3 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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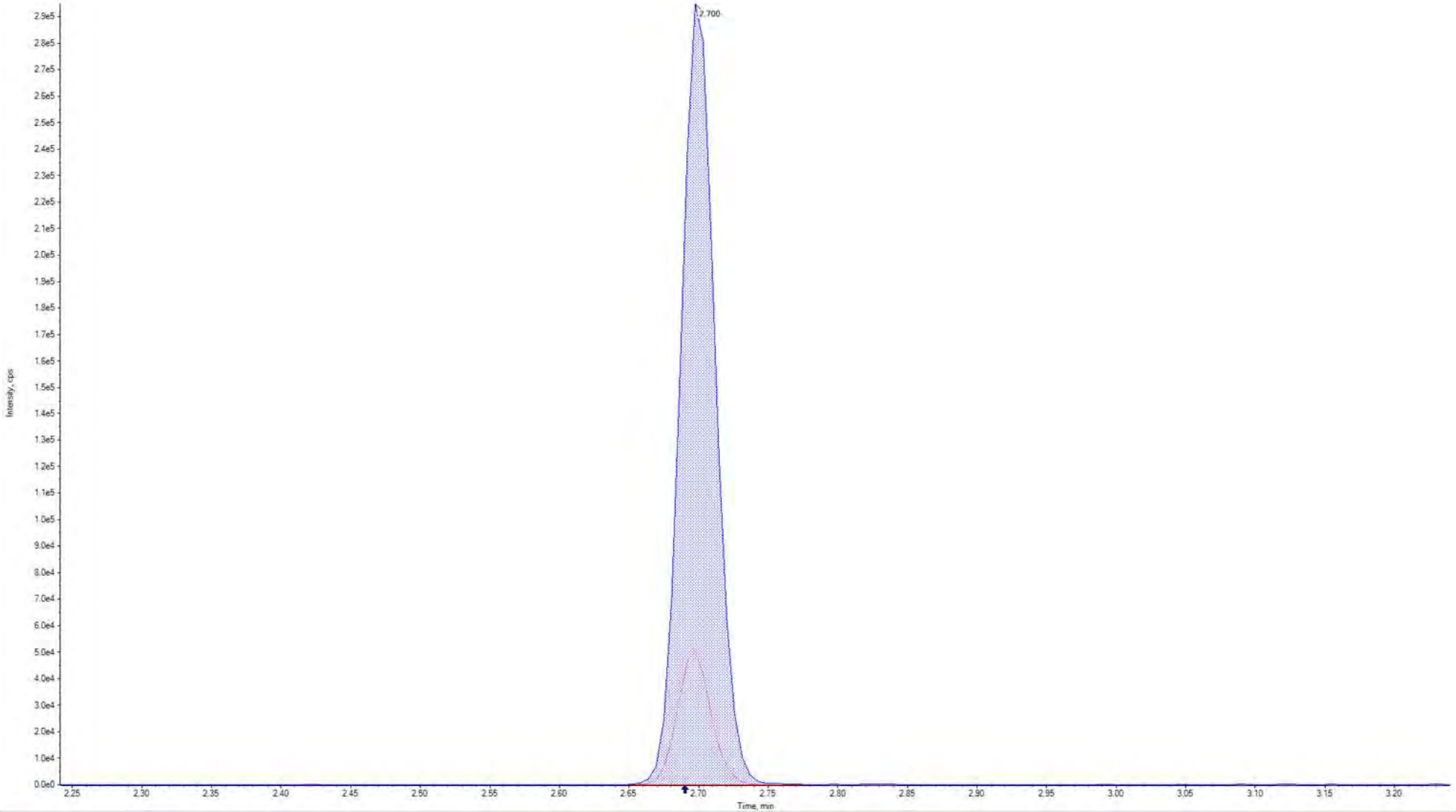
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

6:2FTS
Sample: IA1633STD-5 S/N:5357.0 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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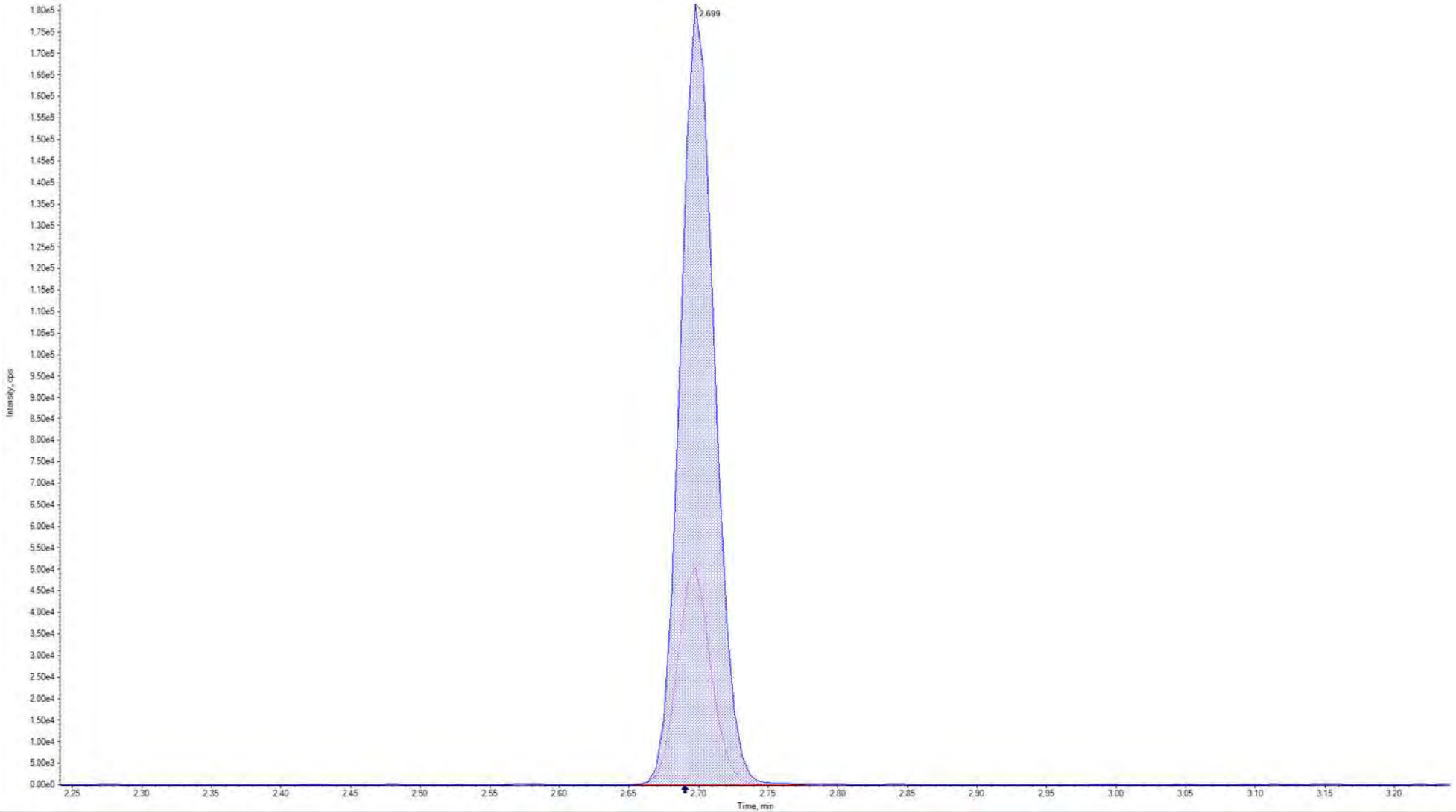
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

6:2FTS_2
Sample: IA1633STD-5 S/N:3173.2 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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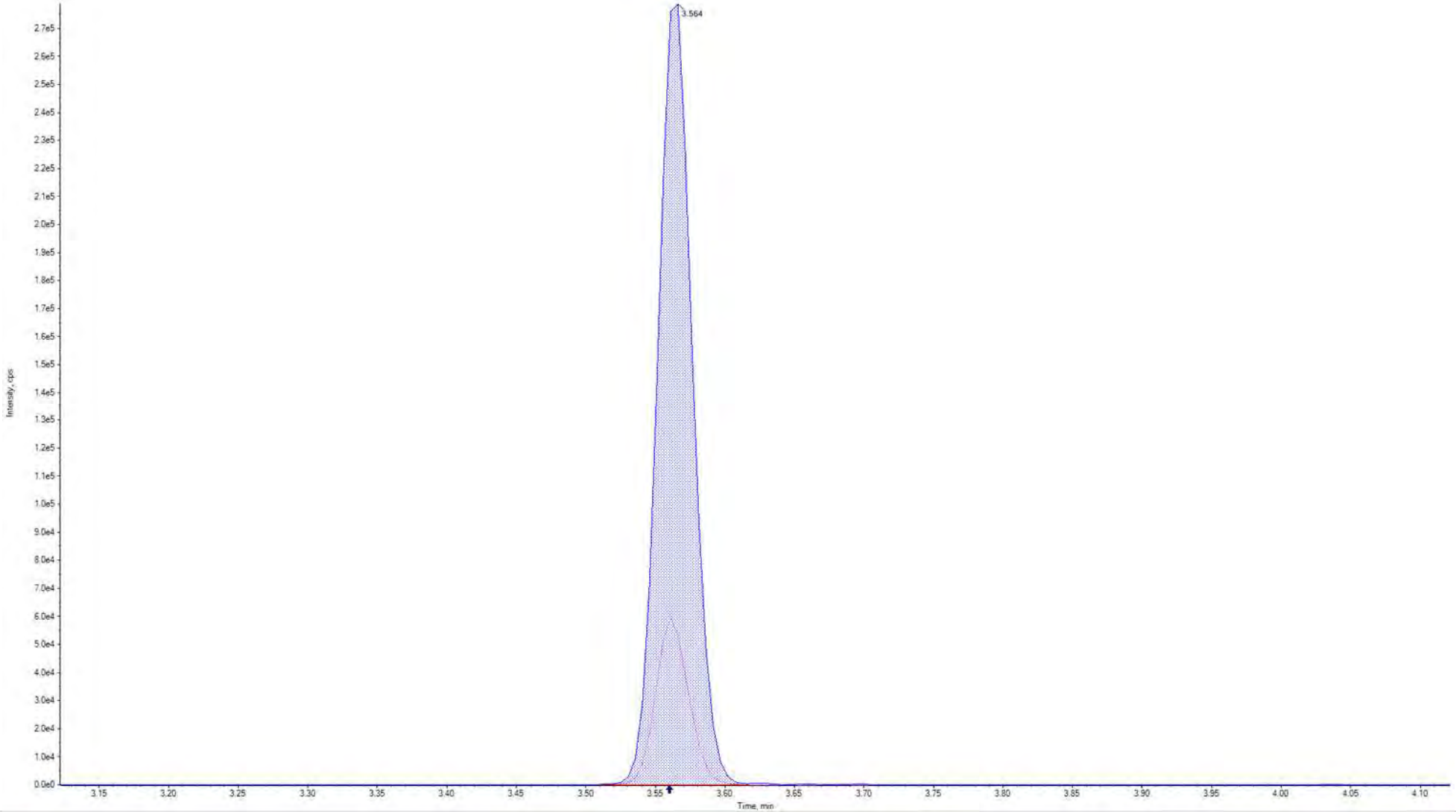
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

8:2FTS
Sample: IA1633STD-5 S/N:5588.8 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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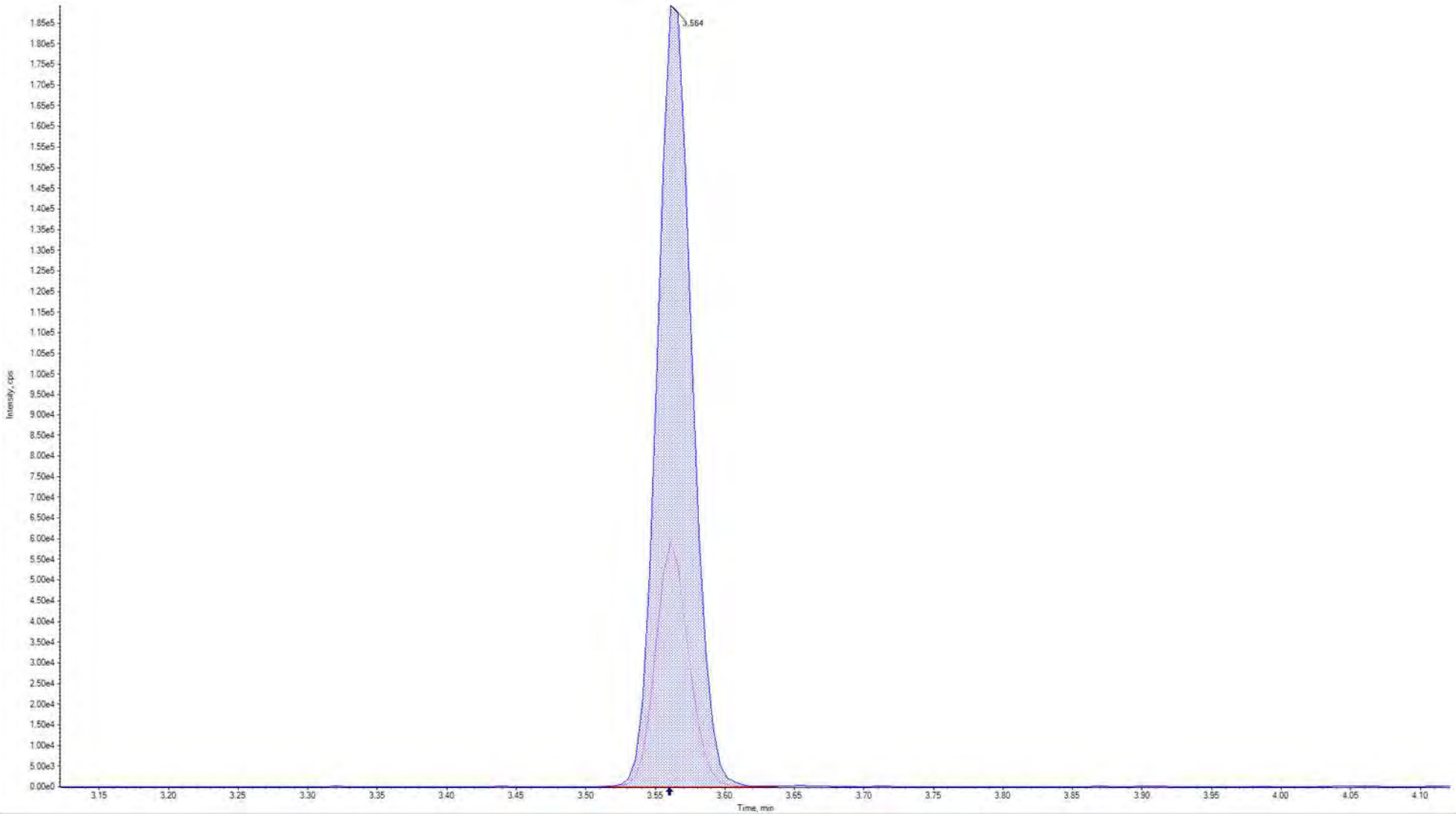
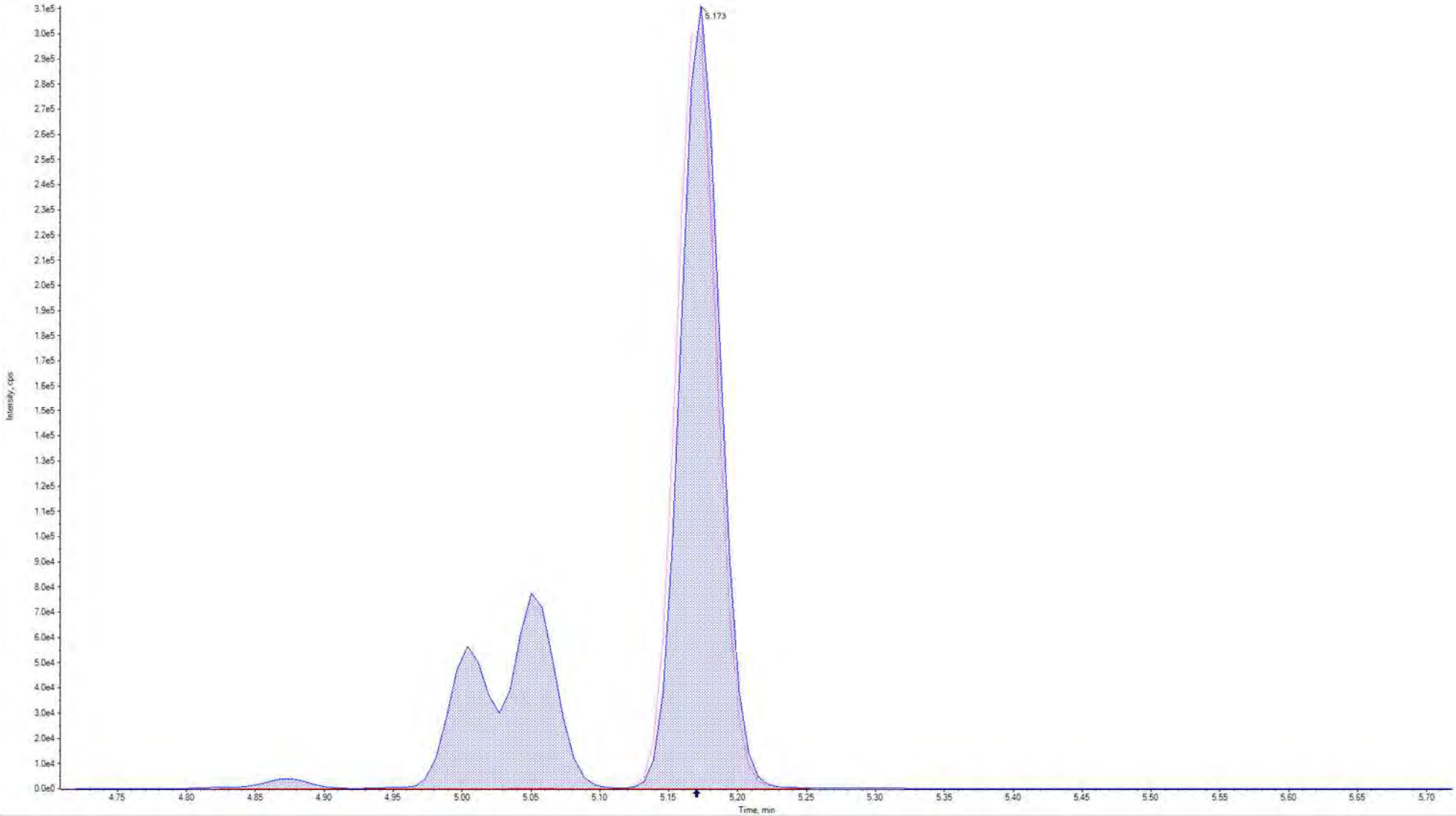
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

8:2FTS_2
Sample: IA1633STD-5 S/N:3795.9 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_20.wiff2_5
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFOSA
Sample: IA1633STD-5 S/N:394.4 Points Across peak:64



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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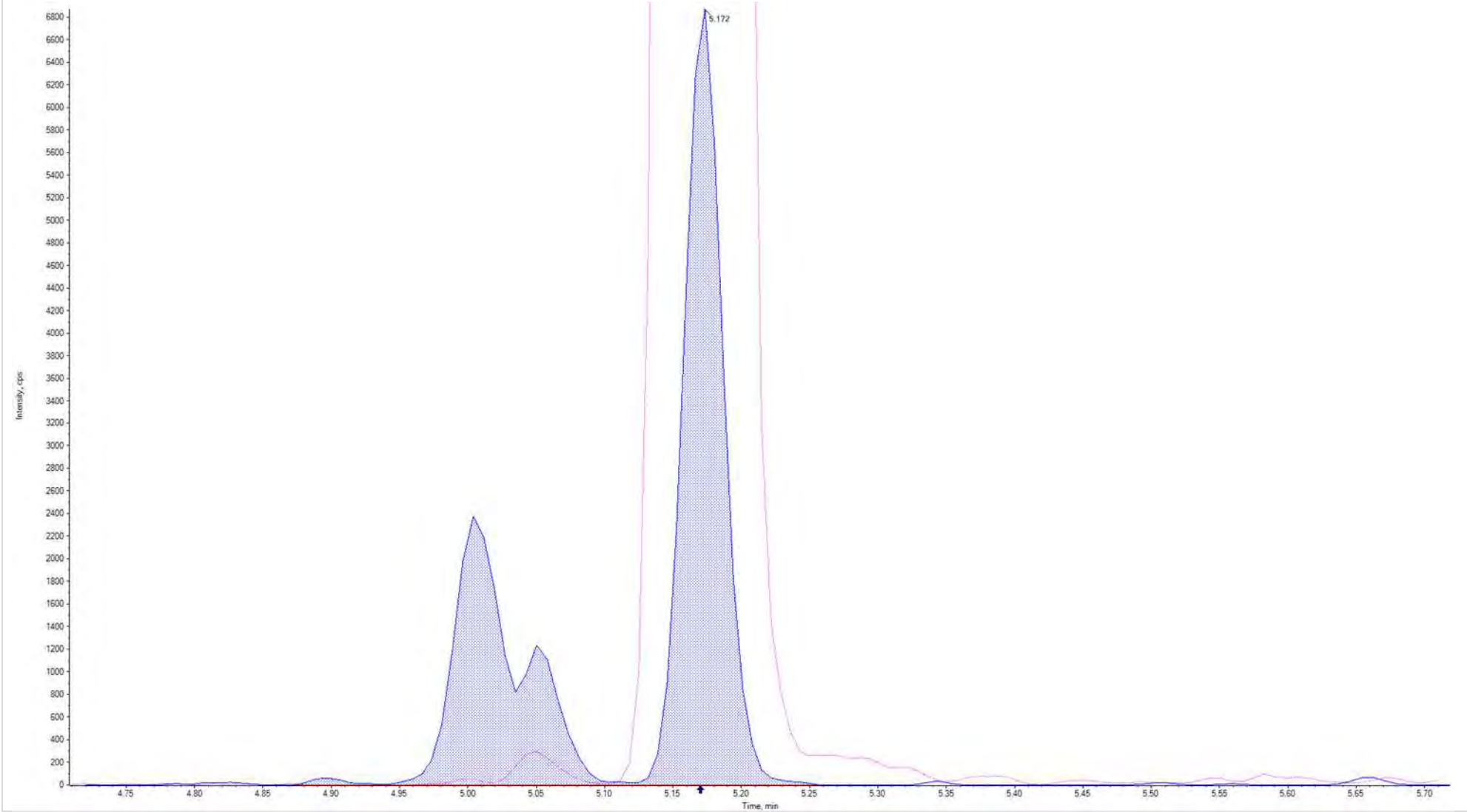
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFOSA_2
Sample: IA1633STD-5 S/N:278.3 Points Across peak:58



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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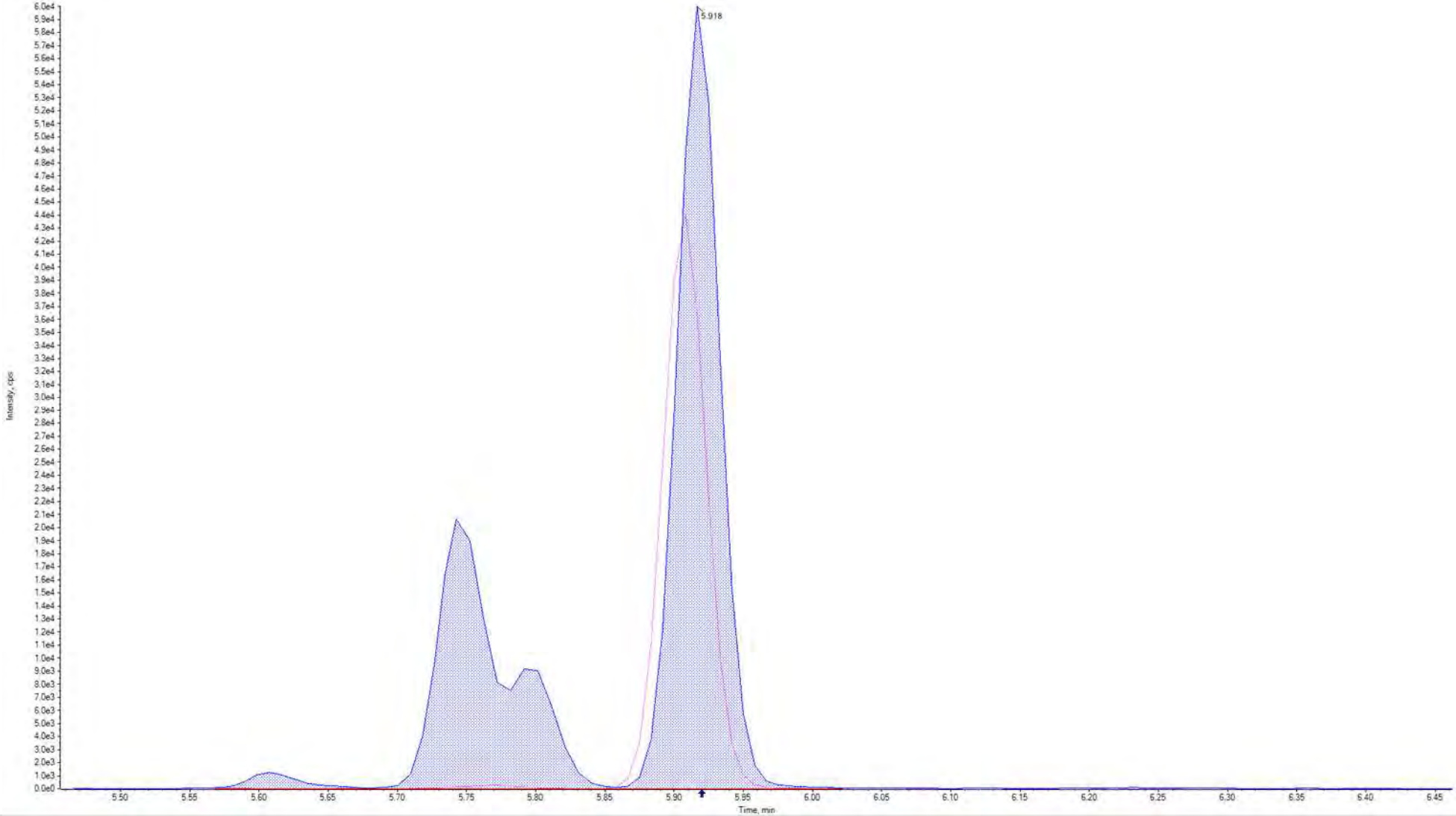
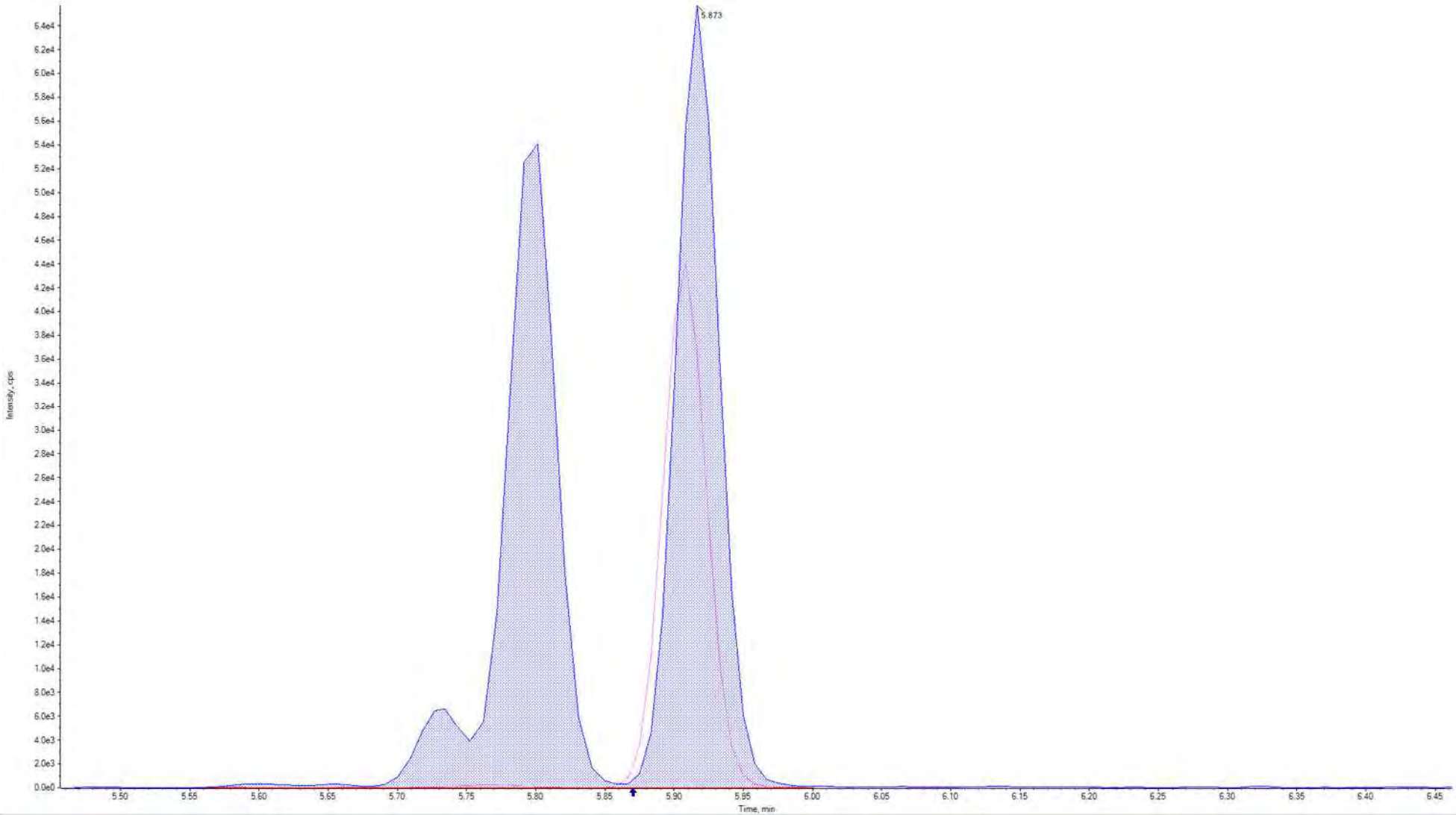
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NMeFOSA
Sample: IA1633STD-5 S/N:347.1 Points Across peak:54



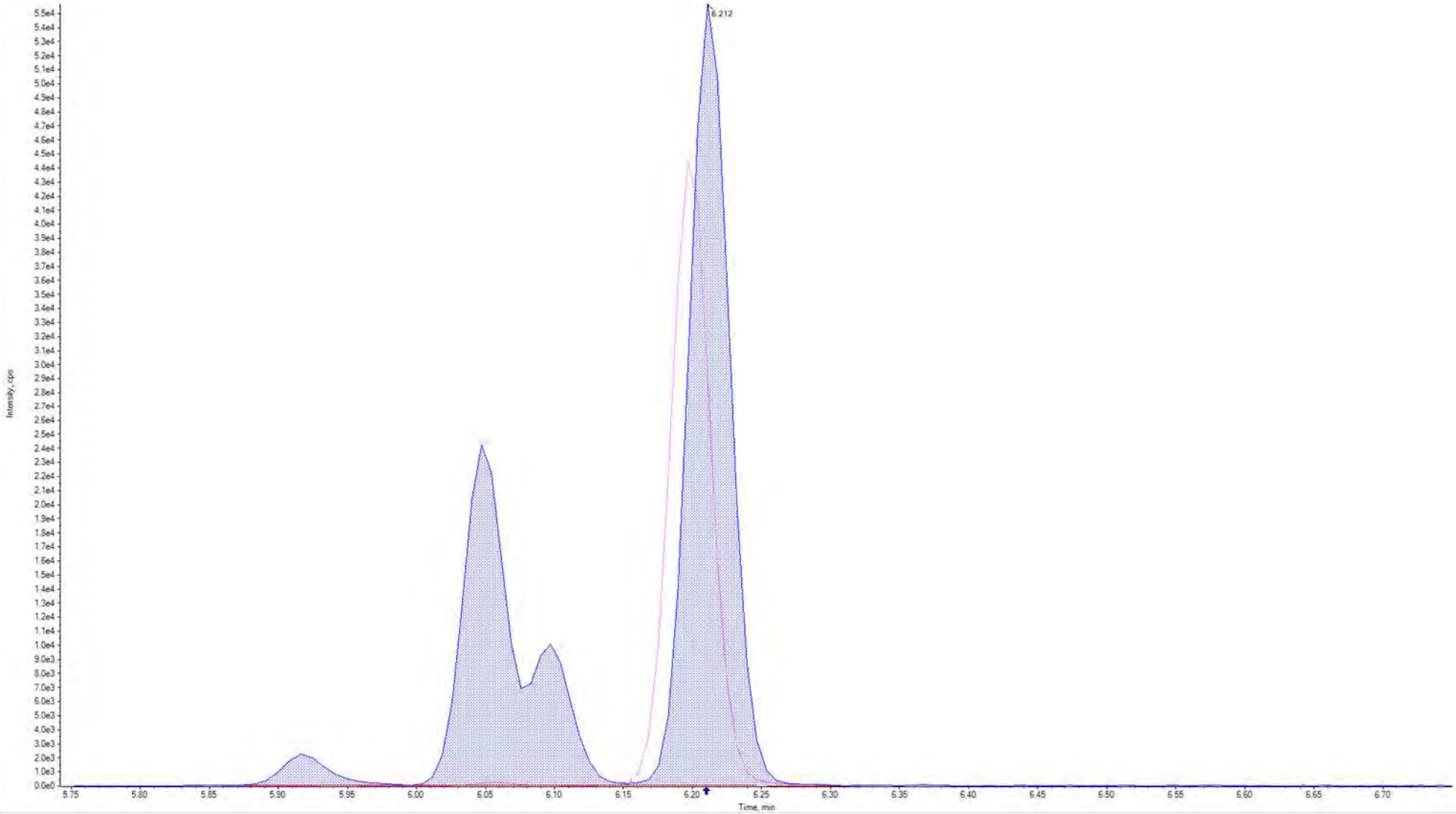
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_20.wiff2_5
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NMeFOSA_2
Sample: IA1633STD-5 S/N:265.8 Points Across peak:52



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_20.wiff2_5
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NEtFOSA
Sample: IA1633STD-5 S/N:746.4 Points Across peak:61



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/12/2024 3:16:42 PM
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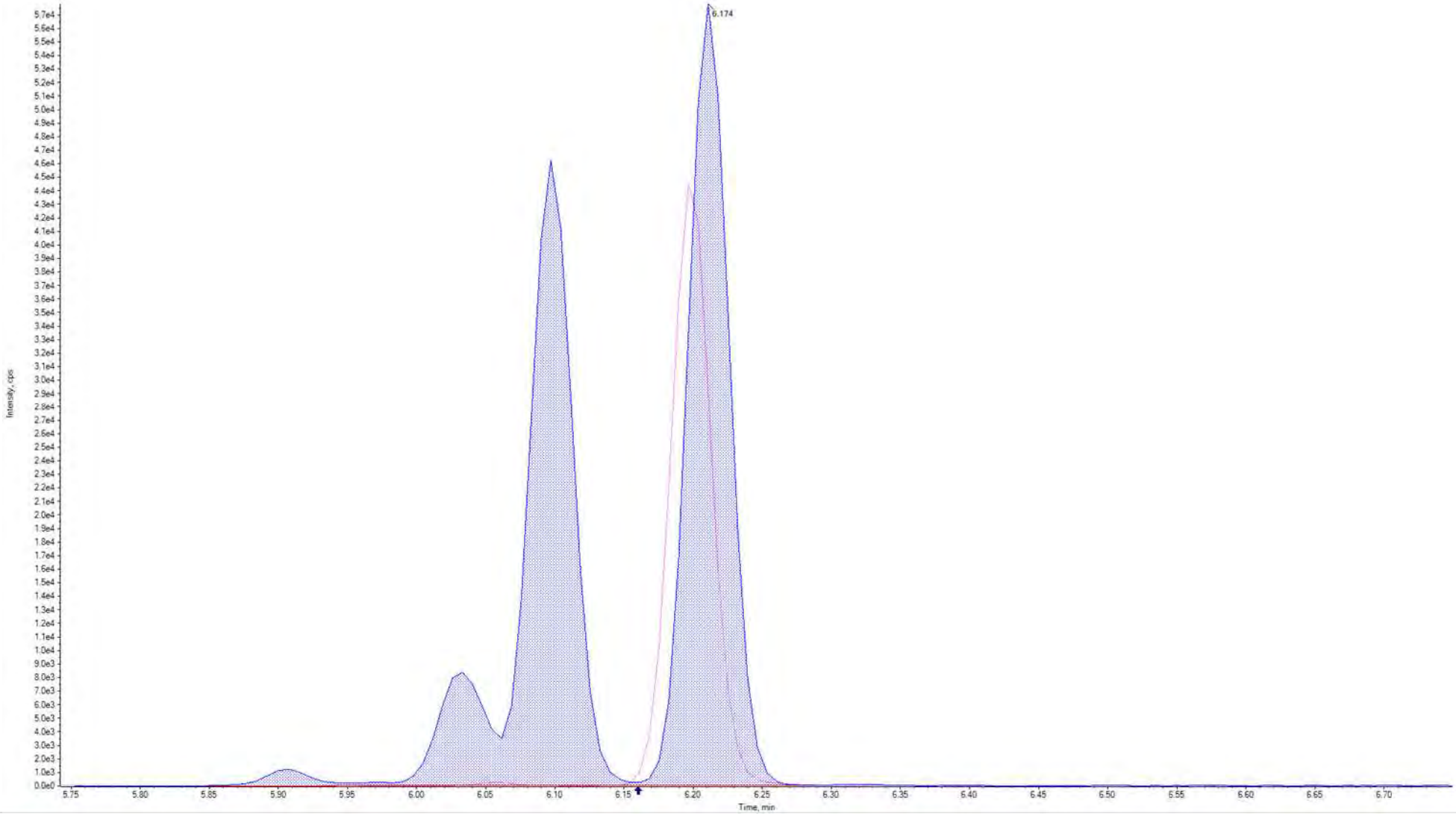
NEtFOSA_2
Sample: IA1633STD-5 S/N:624.0 Points Across peak:63



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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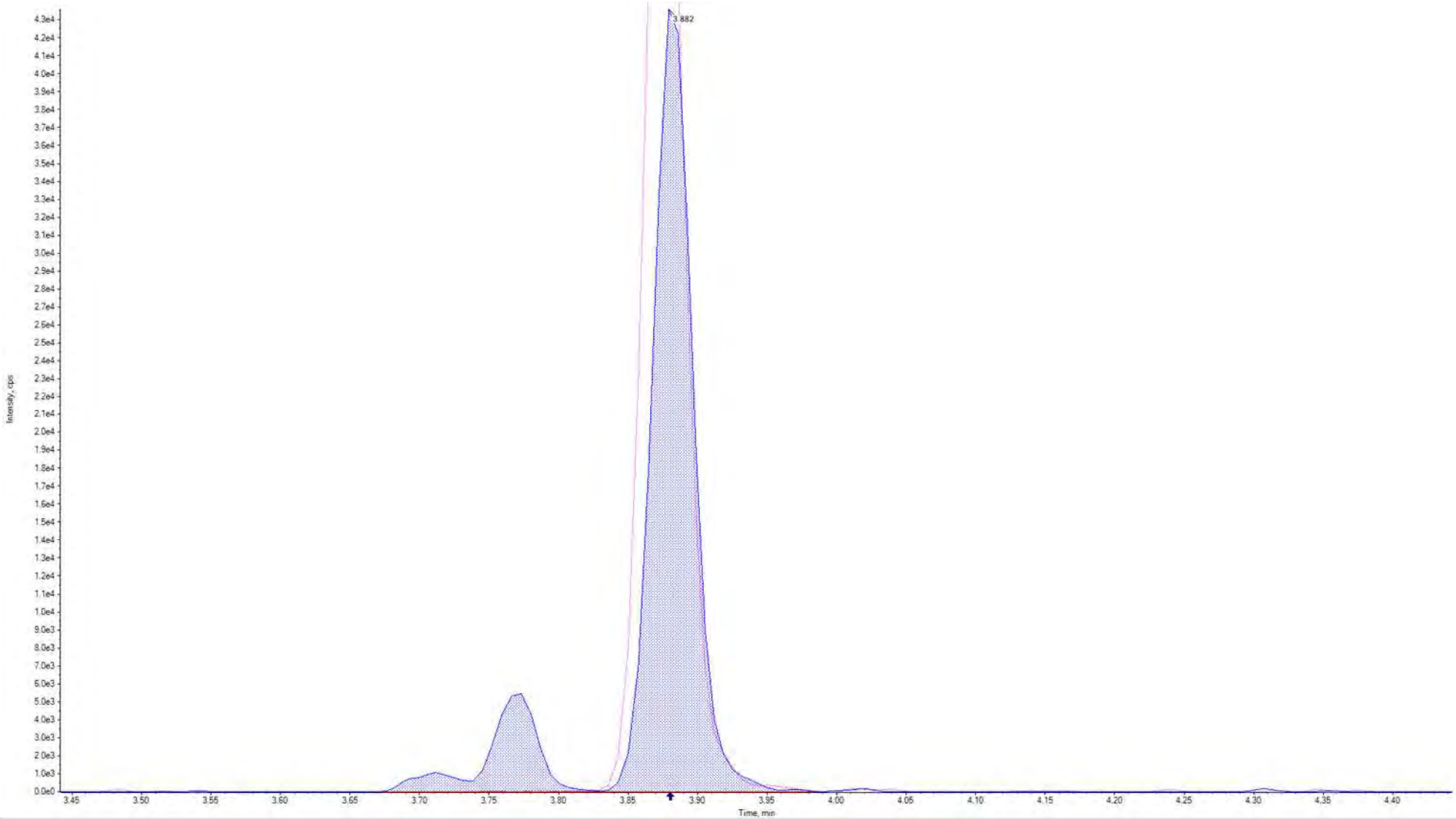
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NMeFOSAA
Sample: IA1633STD-5 S/N:722.1 Points Across peak:50



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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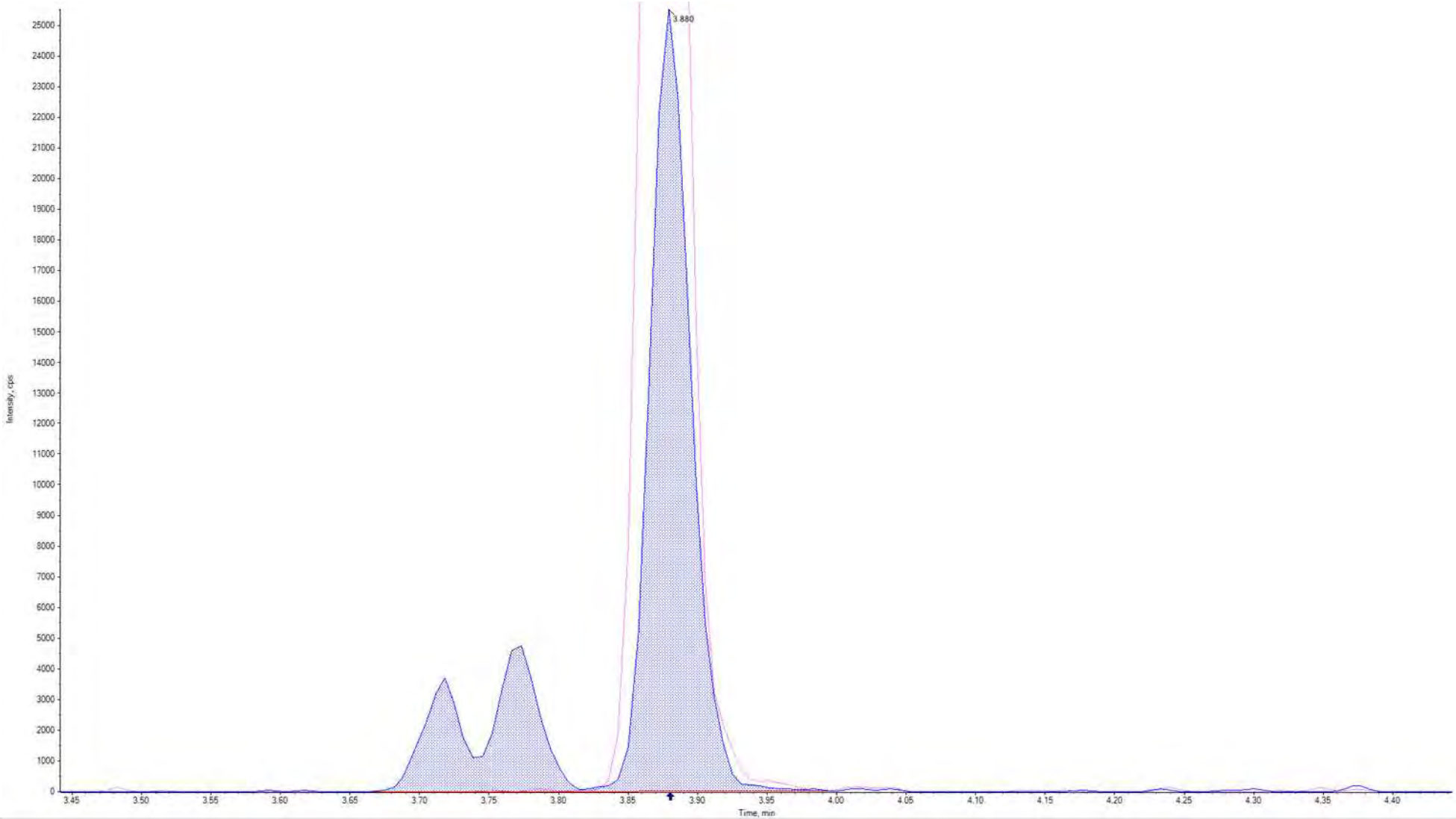
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NMeFOSAA_2
Sample: IA1633STD-5 S/N:373.9 Points Across peak:53



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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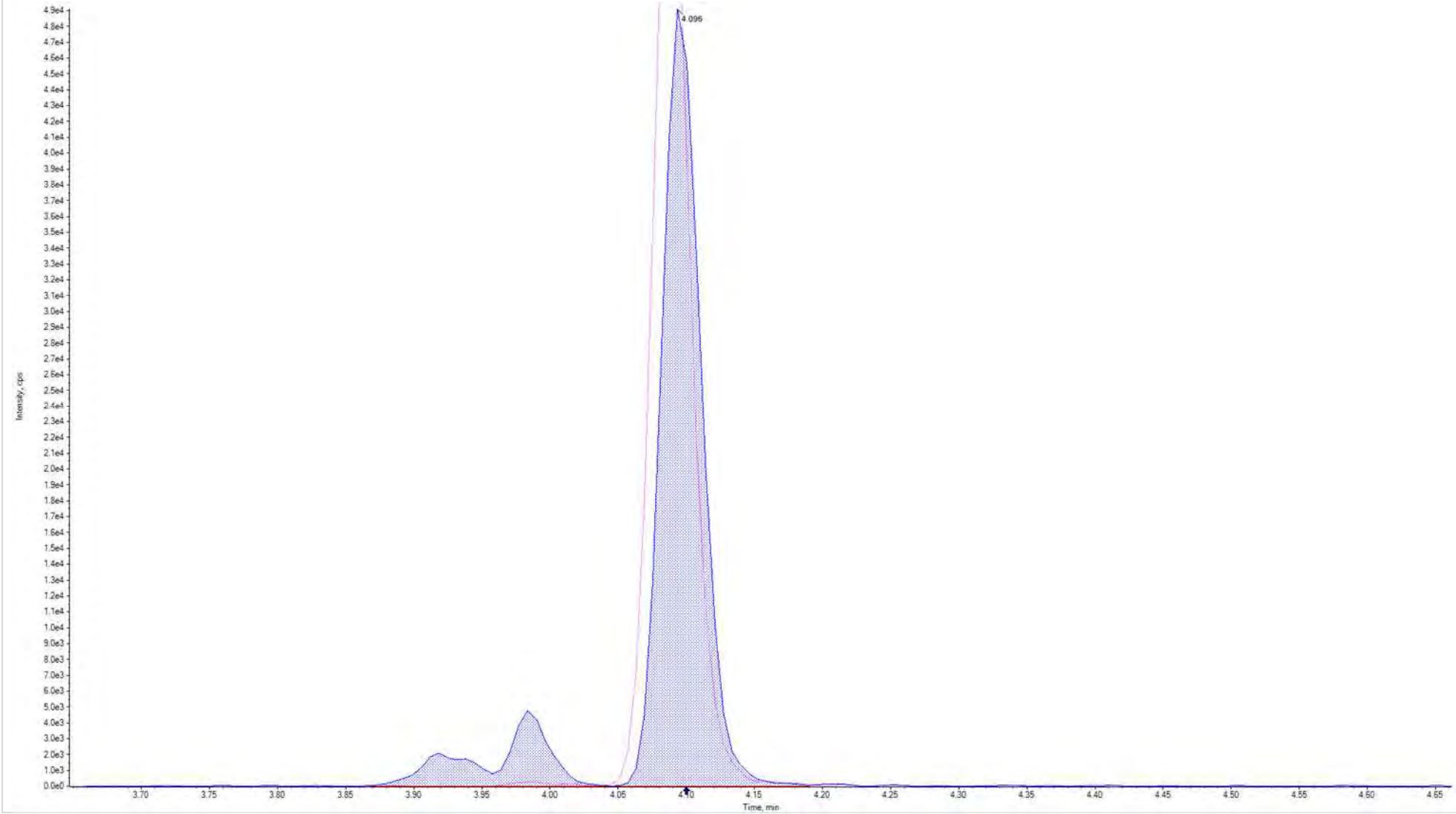
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NEtFOSAA
Sample: IA1633STD-5 S/N:774.1 Points Across peak:53



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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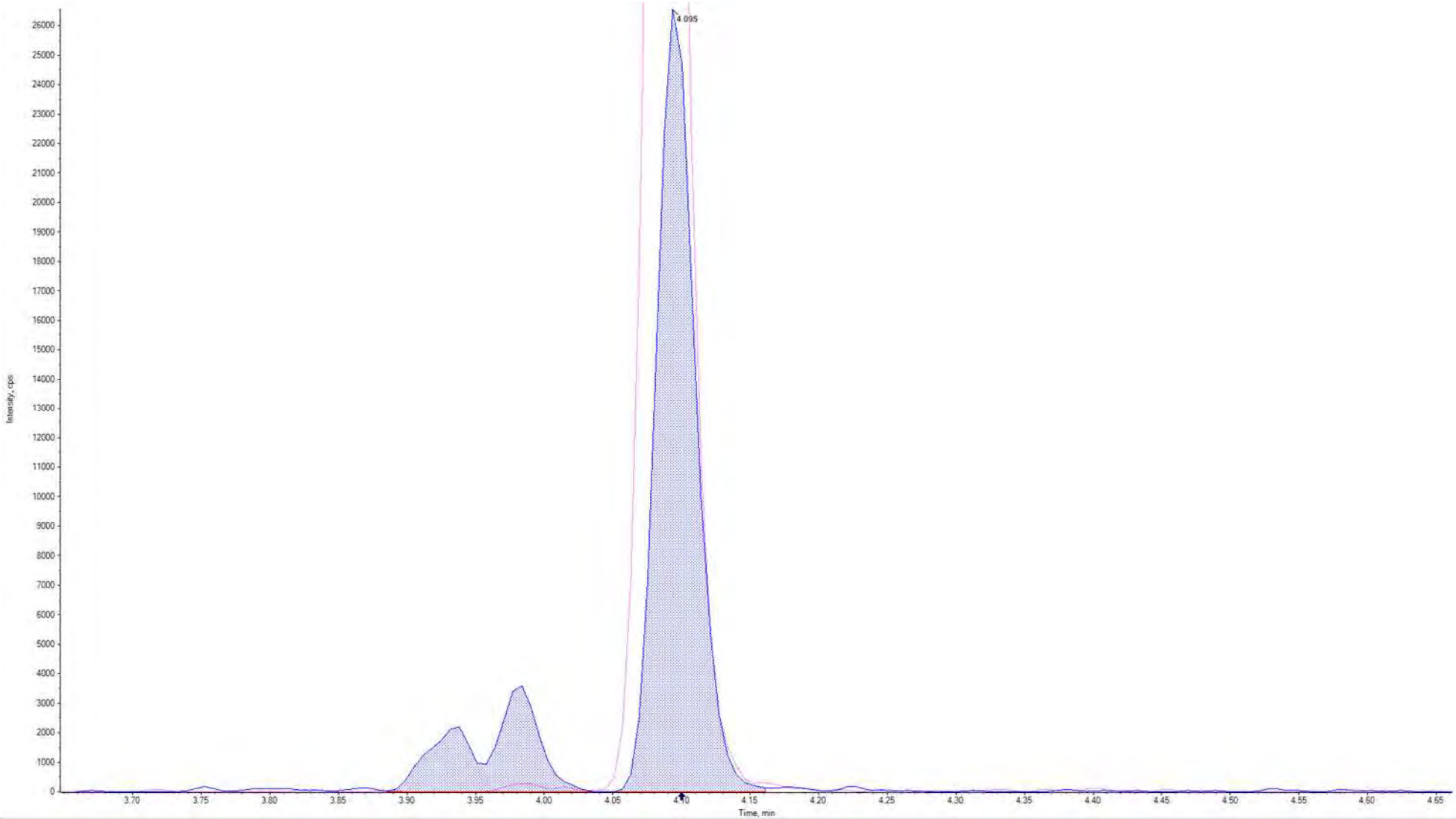
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NEtFOSAA_2
Sample: IA1633STD-5 S/N:404.7 Points Across peak:46



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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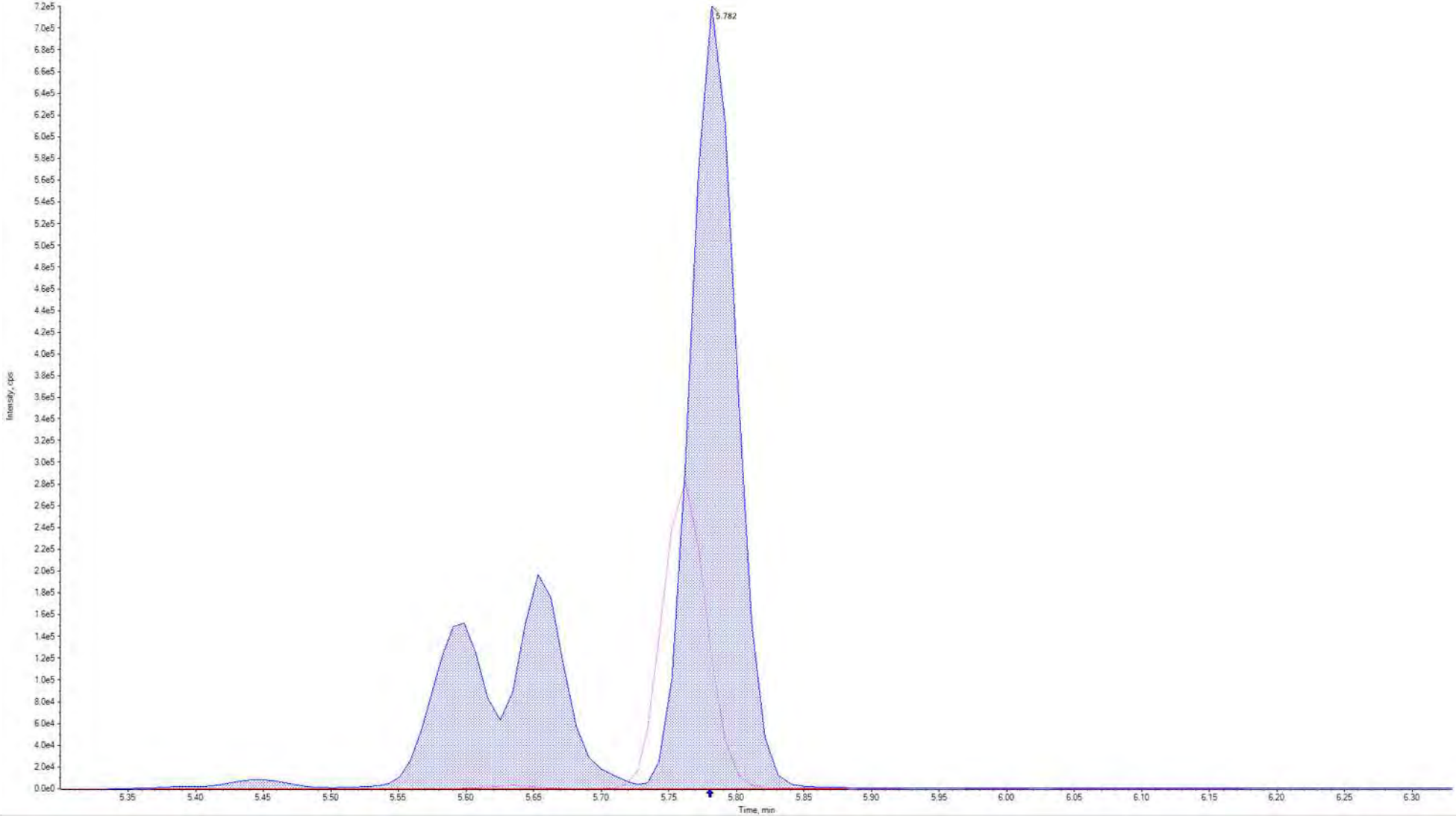
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NMeFOSE
Sample: IA1633STD-5 S/N:245.0 Points Across peak:61



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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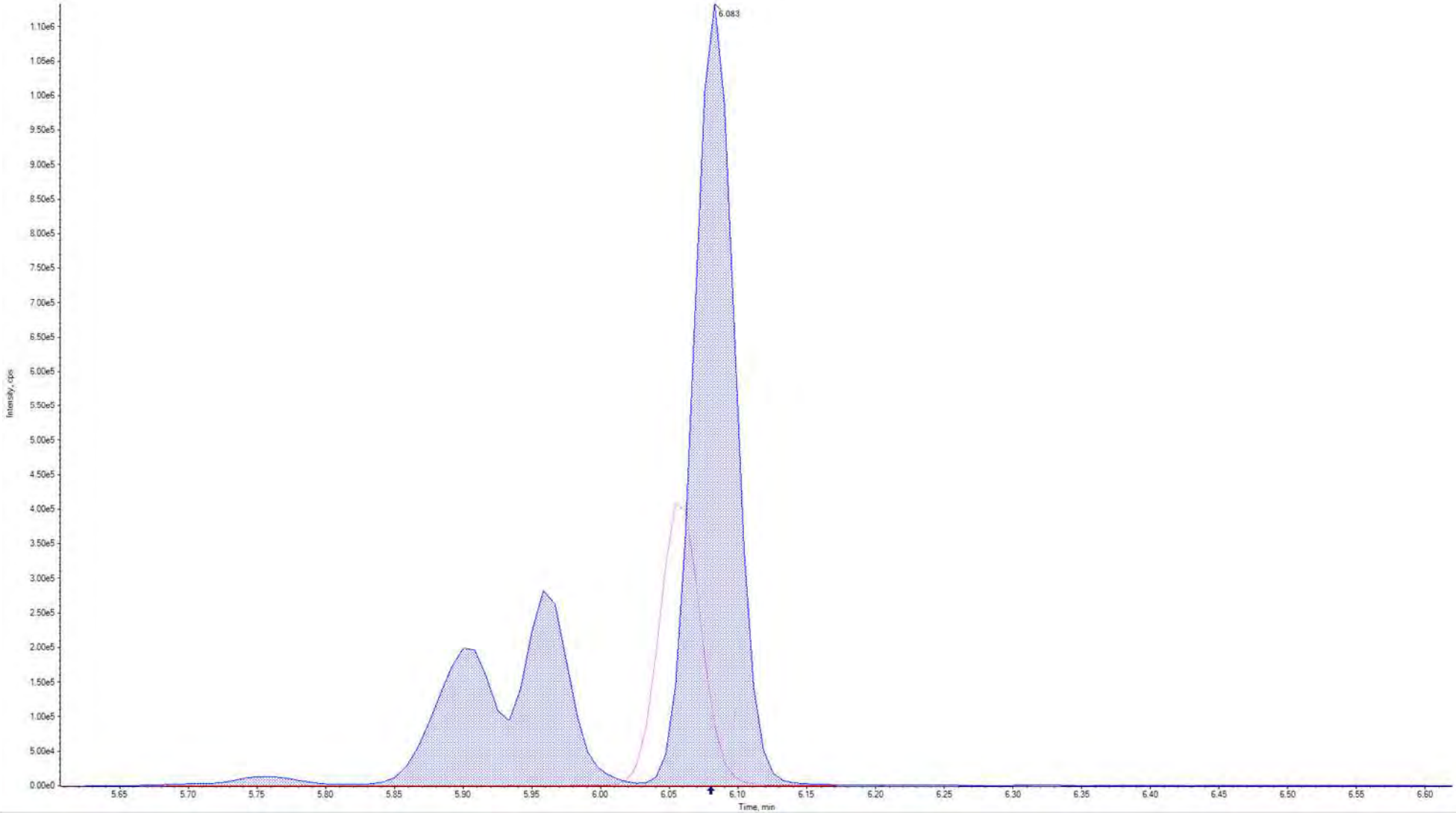
Generated: 11/12/2024 2:03:37 PM

NEtFOSE
Sample: IA1633STD-5 S/N:396.3 Points Across peak:62



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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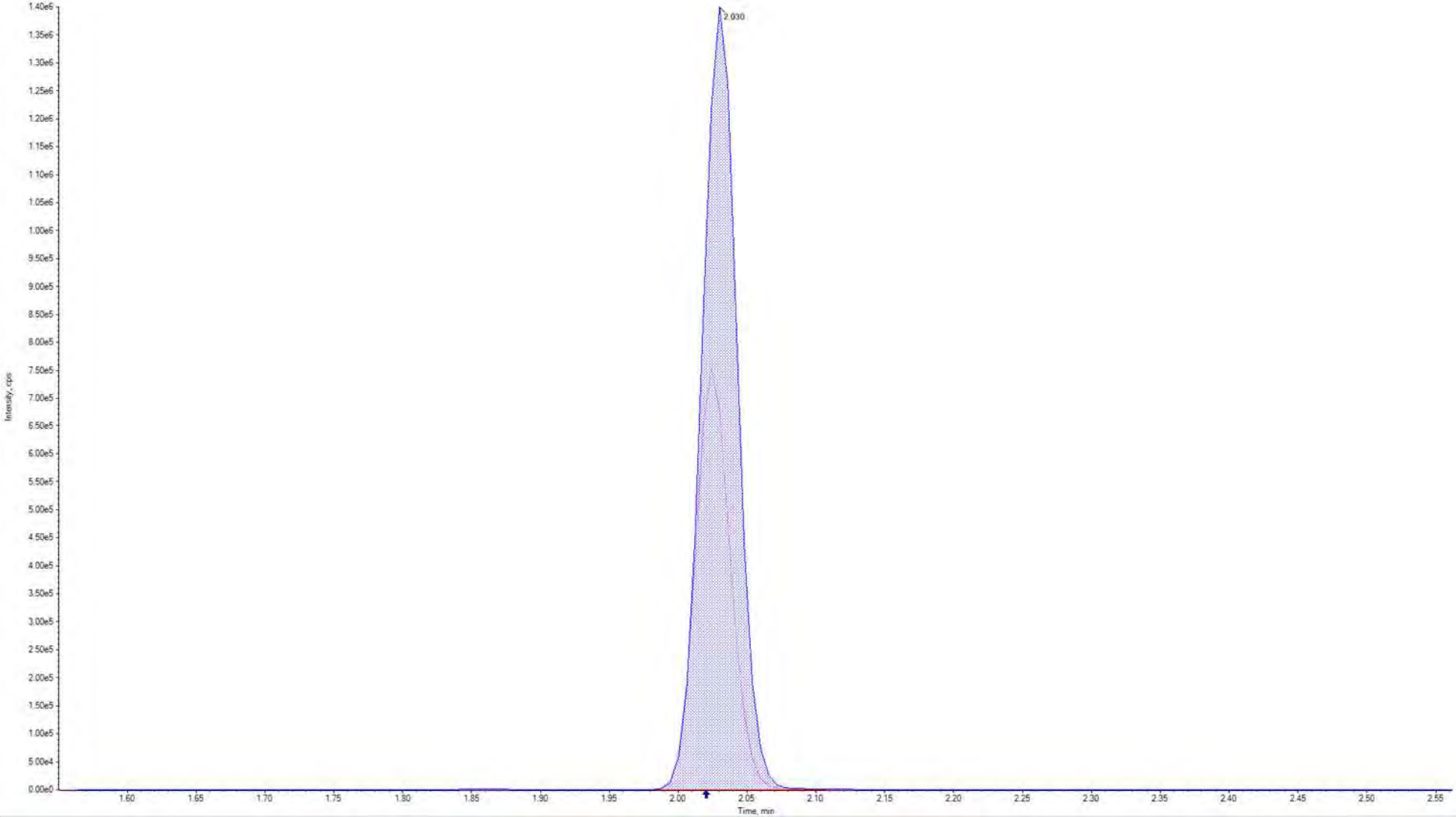
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

HFPO-DA
Sample: IA1633STD-5 S/N:6397.4 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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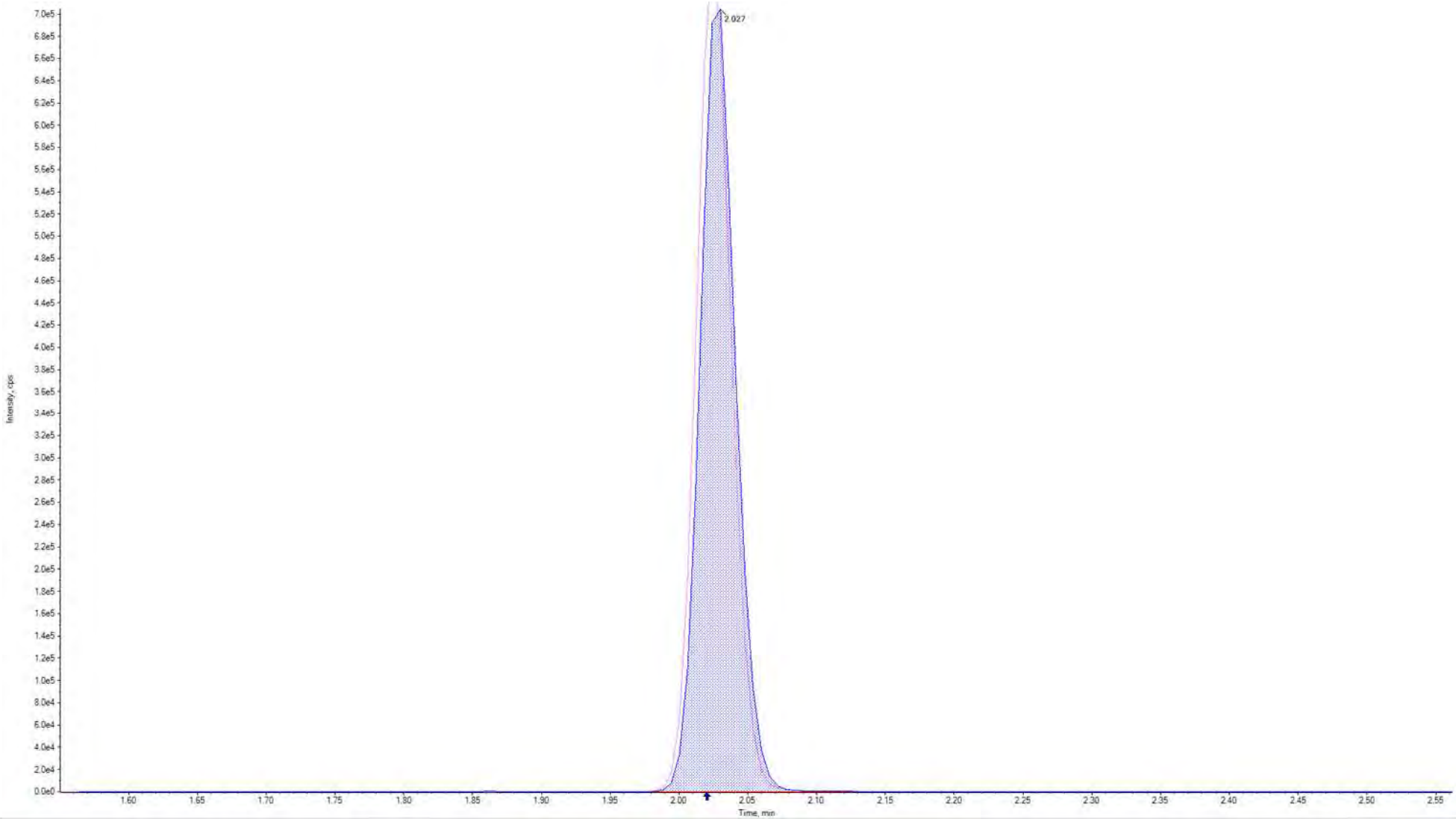
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

HFPO-DA_2
Sample: IA1633STD-5 S/N:15890.8 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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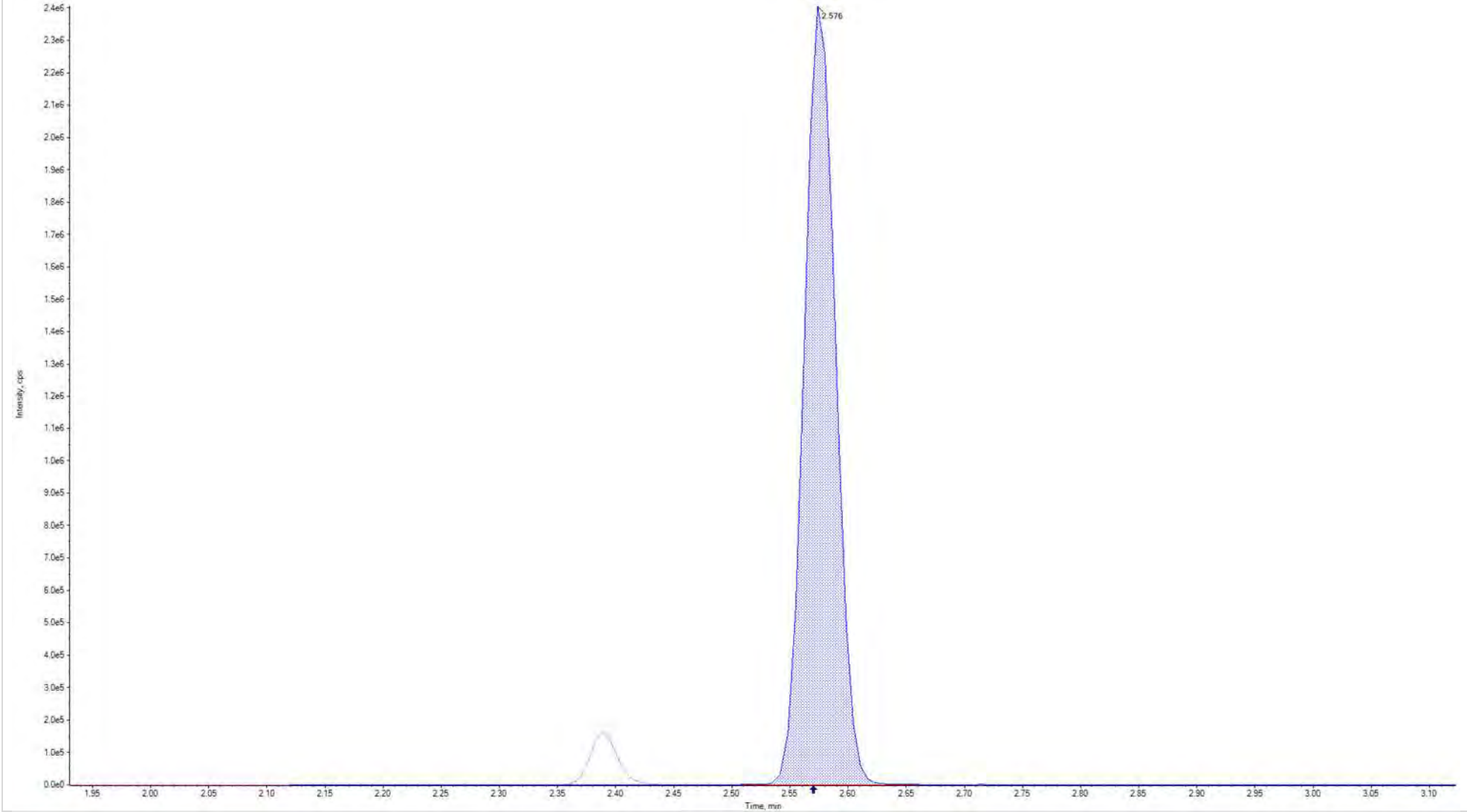
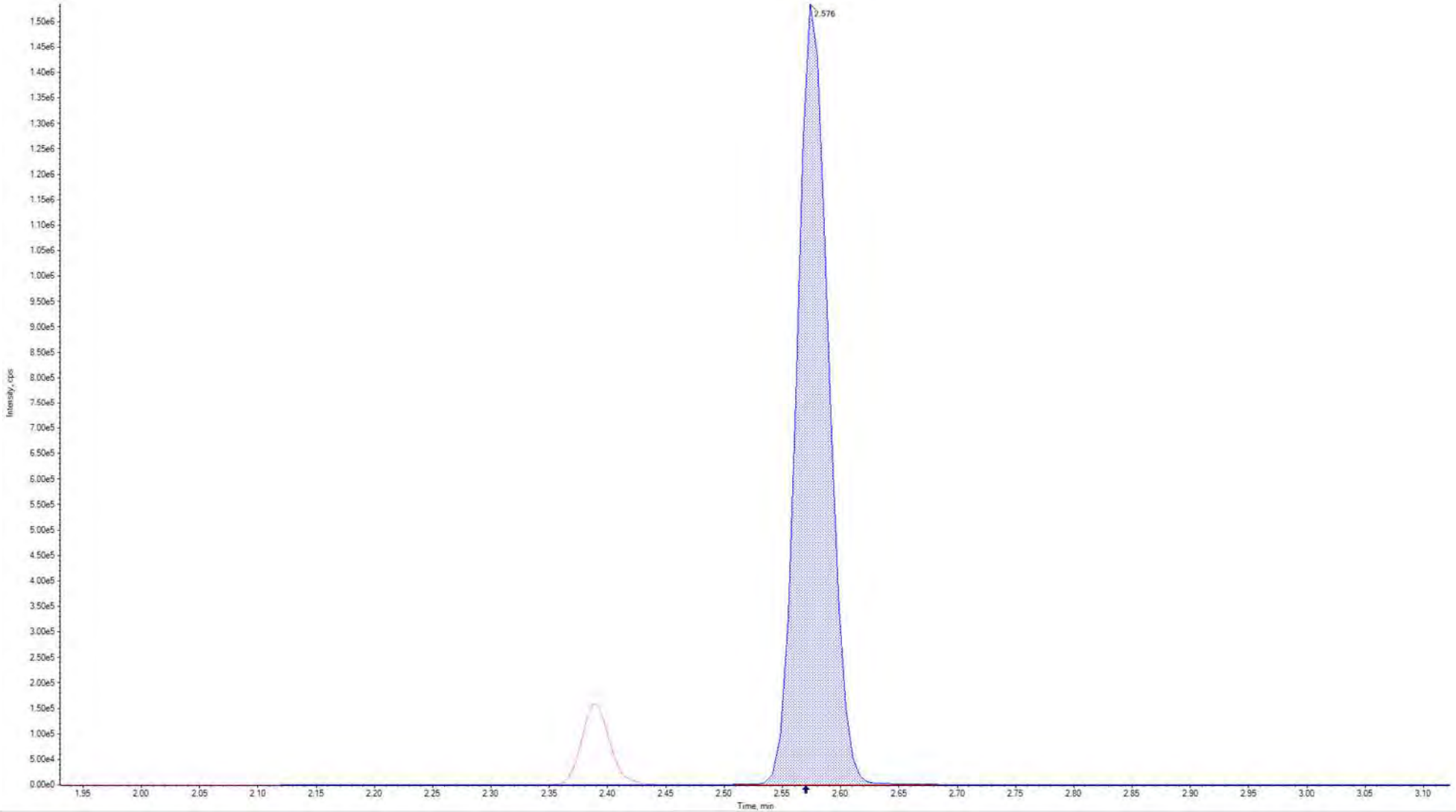
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

ADONA
Sample: IA1633STD-5 S/N:48235.5 Points Across peak:34



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_20.wiff2_5
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

ADONA_2
Sample: IA1633STD-5 S/N:5393.9 Points Across peak:36



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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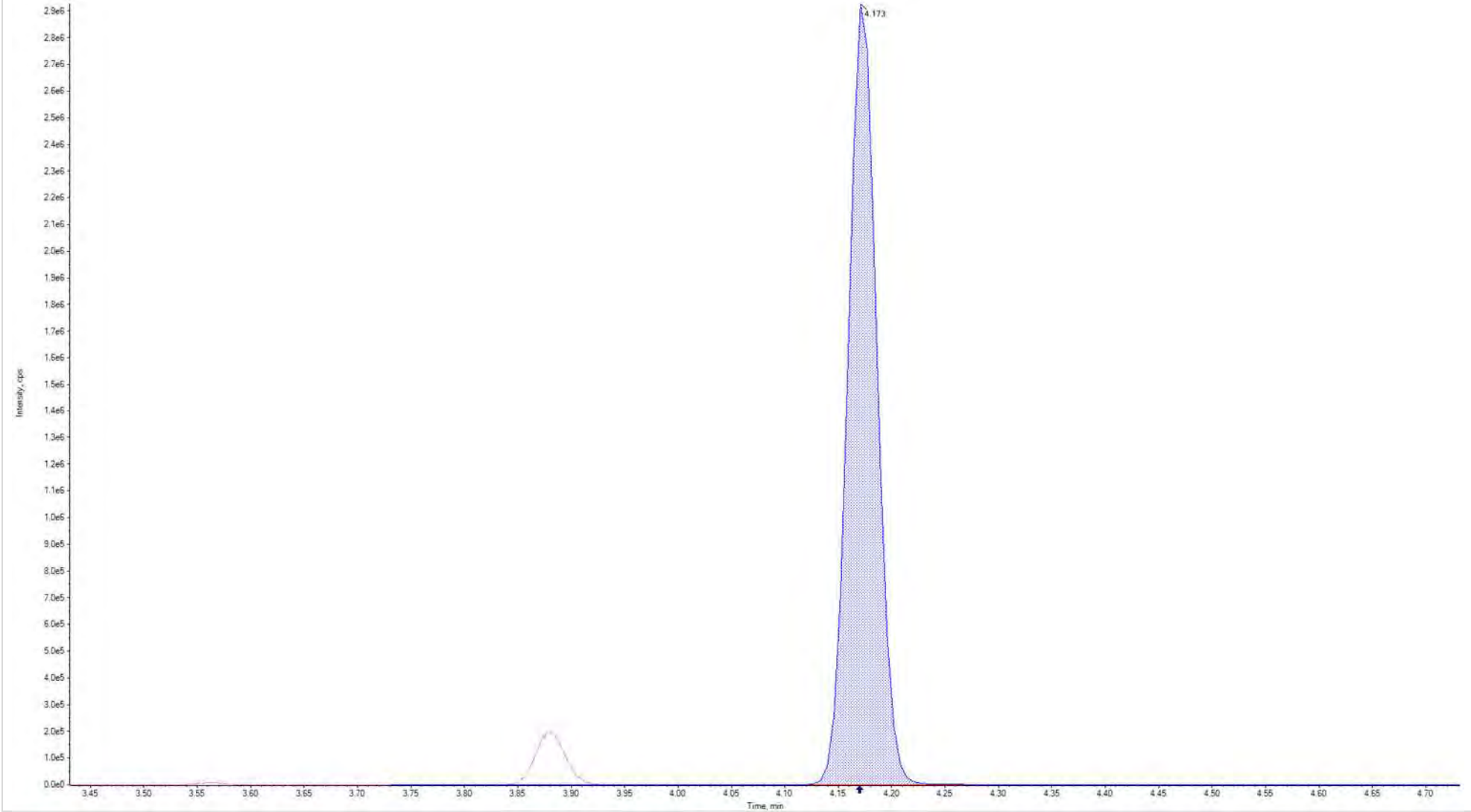
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

9Cl-PF3ONS
Sample: IA1633STD-5 S/N:66018.3 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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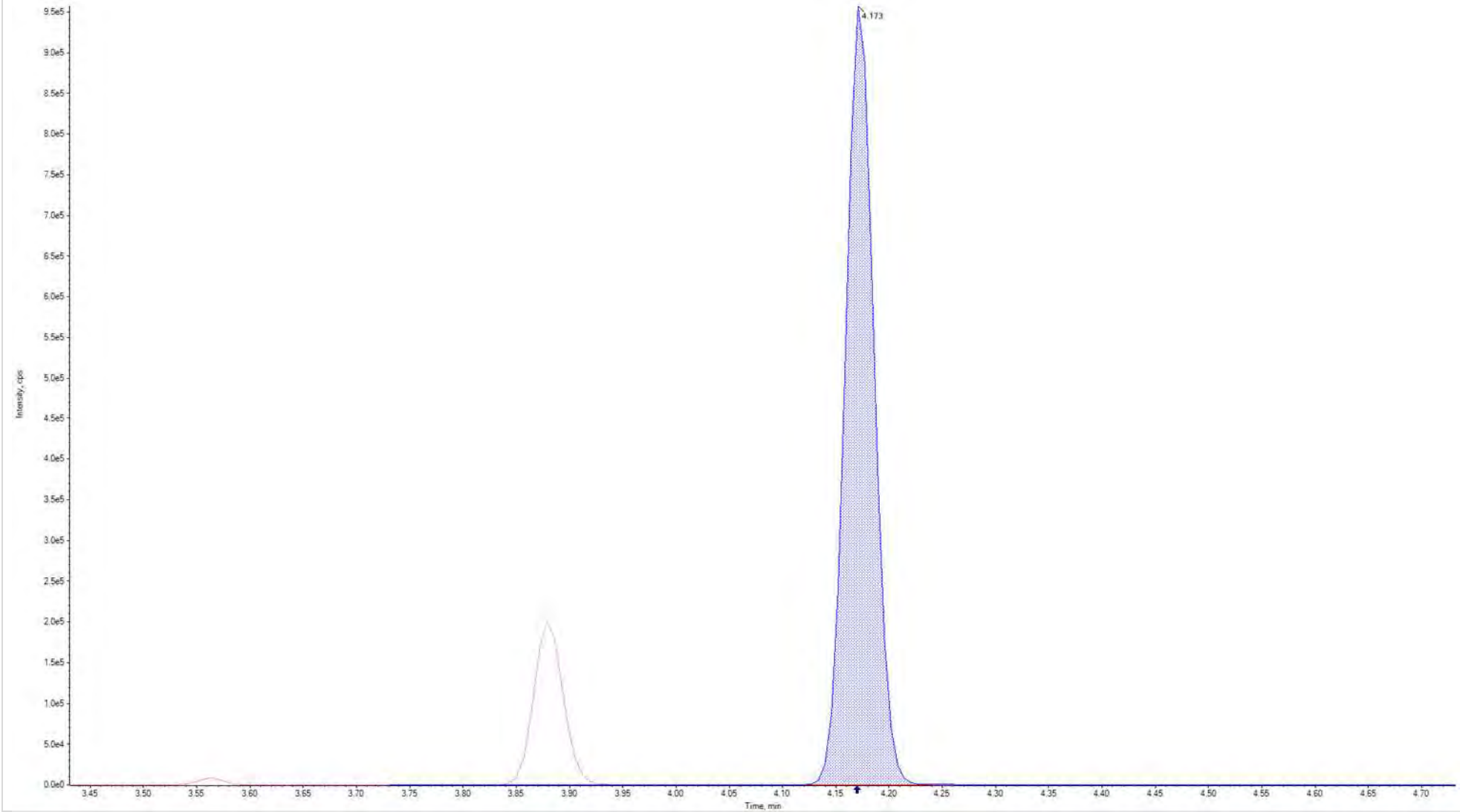
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

9Cl-PF3ONS_2
Sample: IA1633STD-5 S/N:7140.8 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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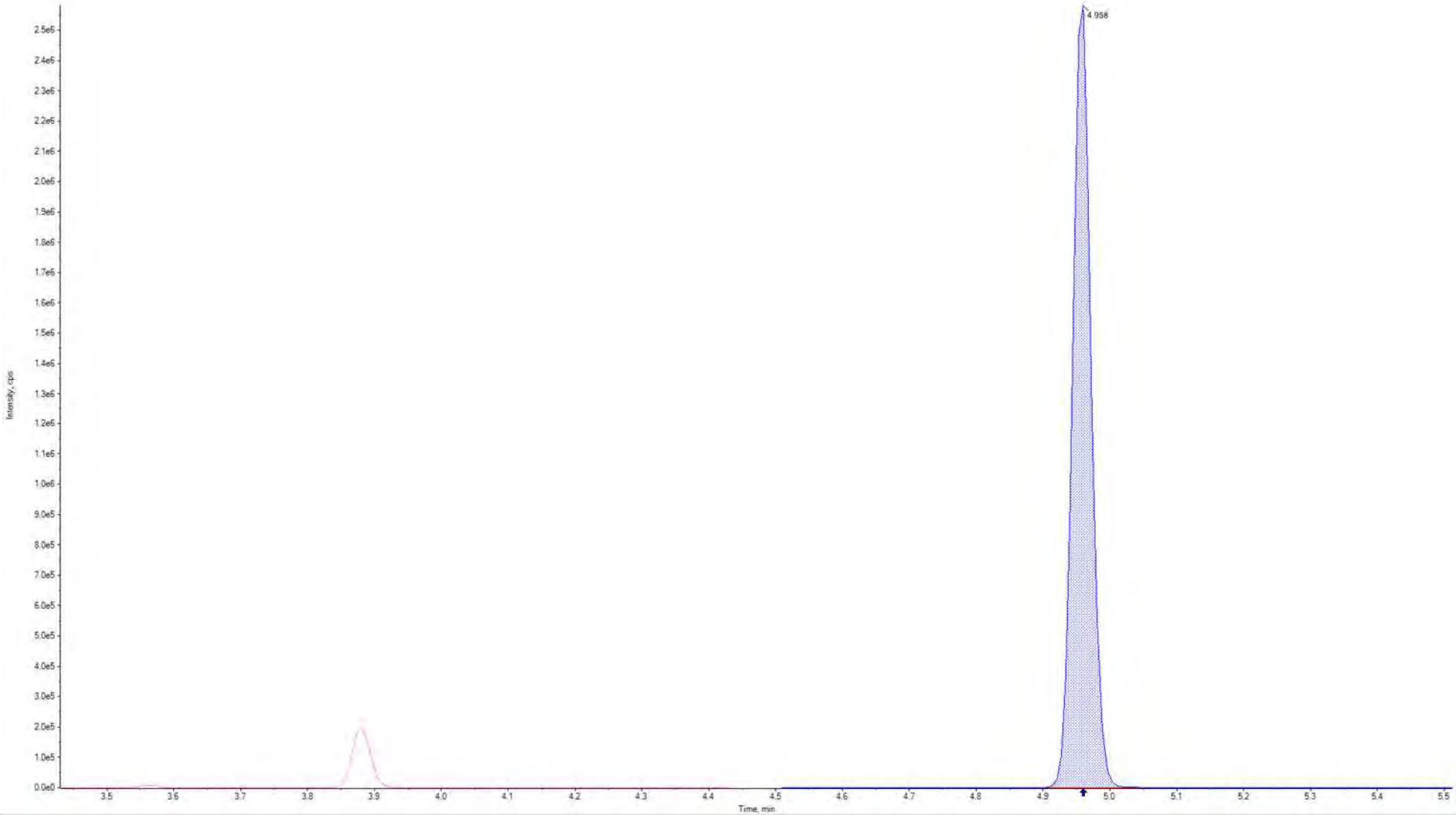
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

11Cl-PF3OUdS
Sample: IA1633STD-5 S/N:11088.7 Points Across peak:43



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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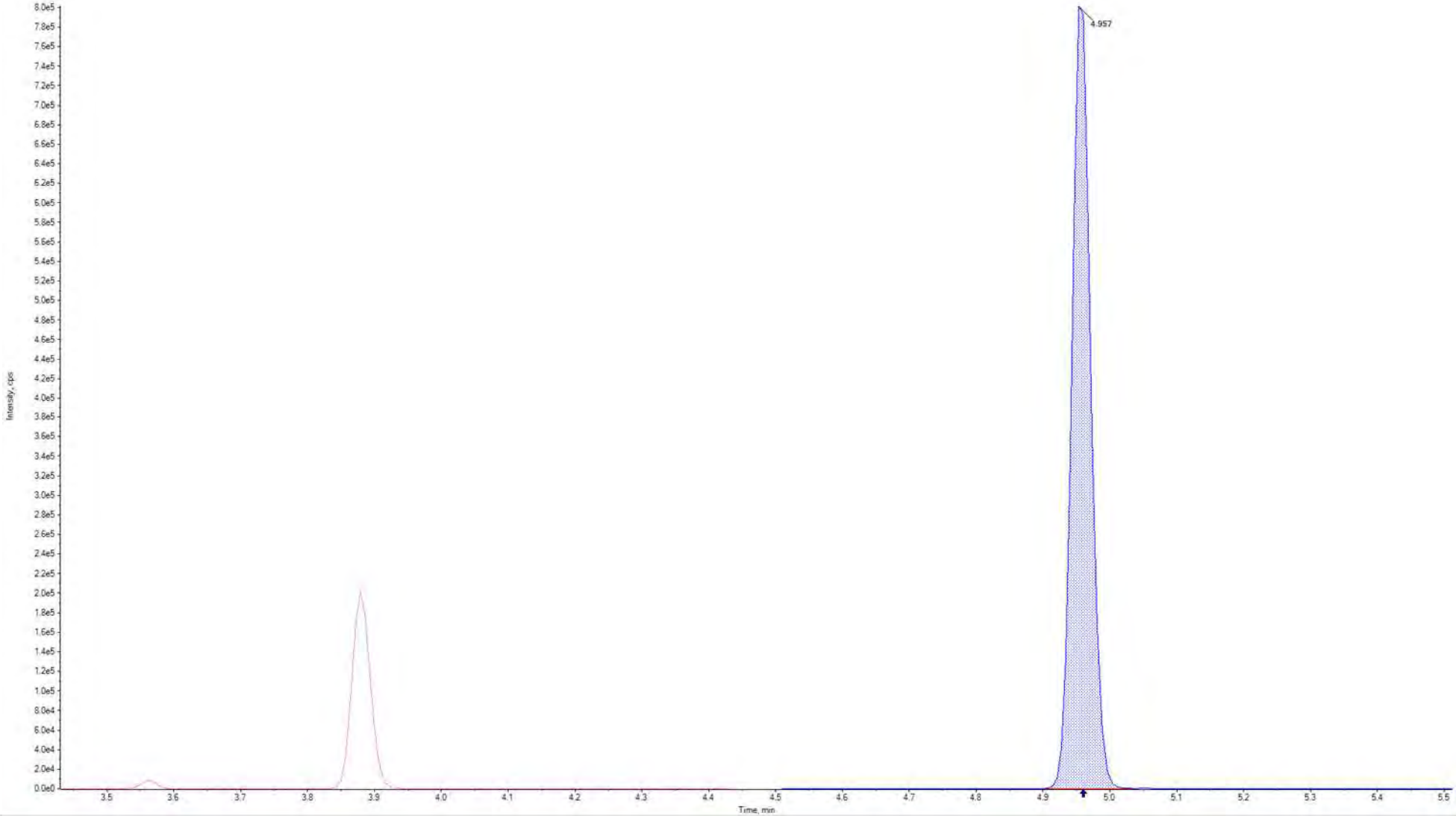
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

11Cl-PF3OUdS_2
Sample: IA1633STD-5 S/N:10295.3 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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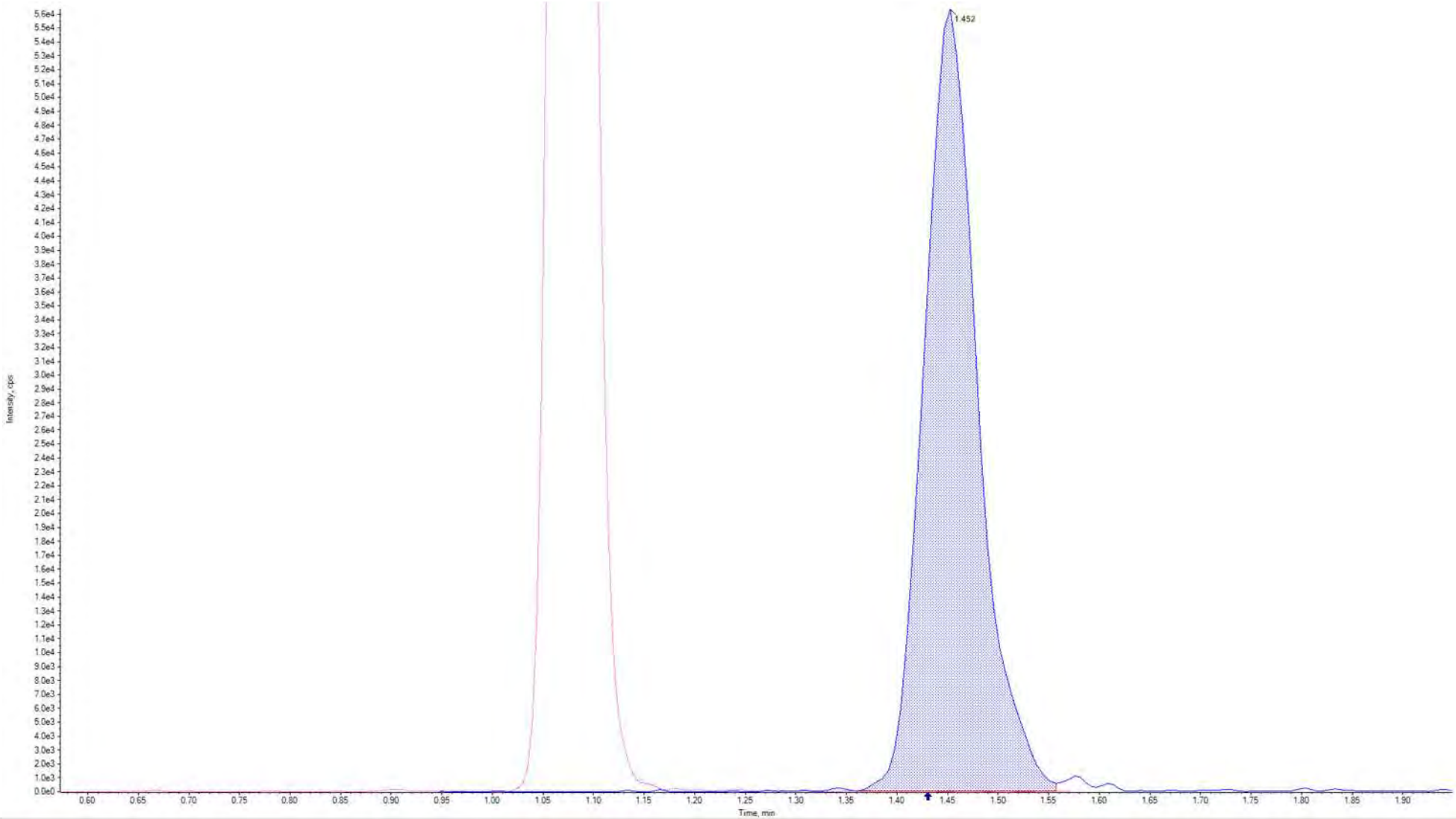
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

3:3FTCA
Sample: IA1633STD-5 S/N:1411.6 Points Across peak:33



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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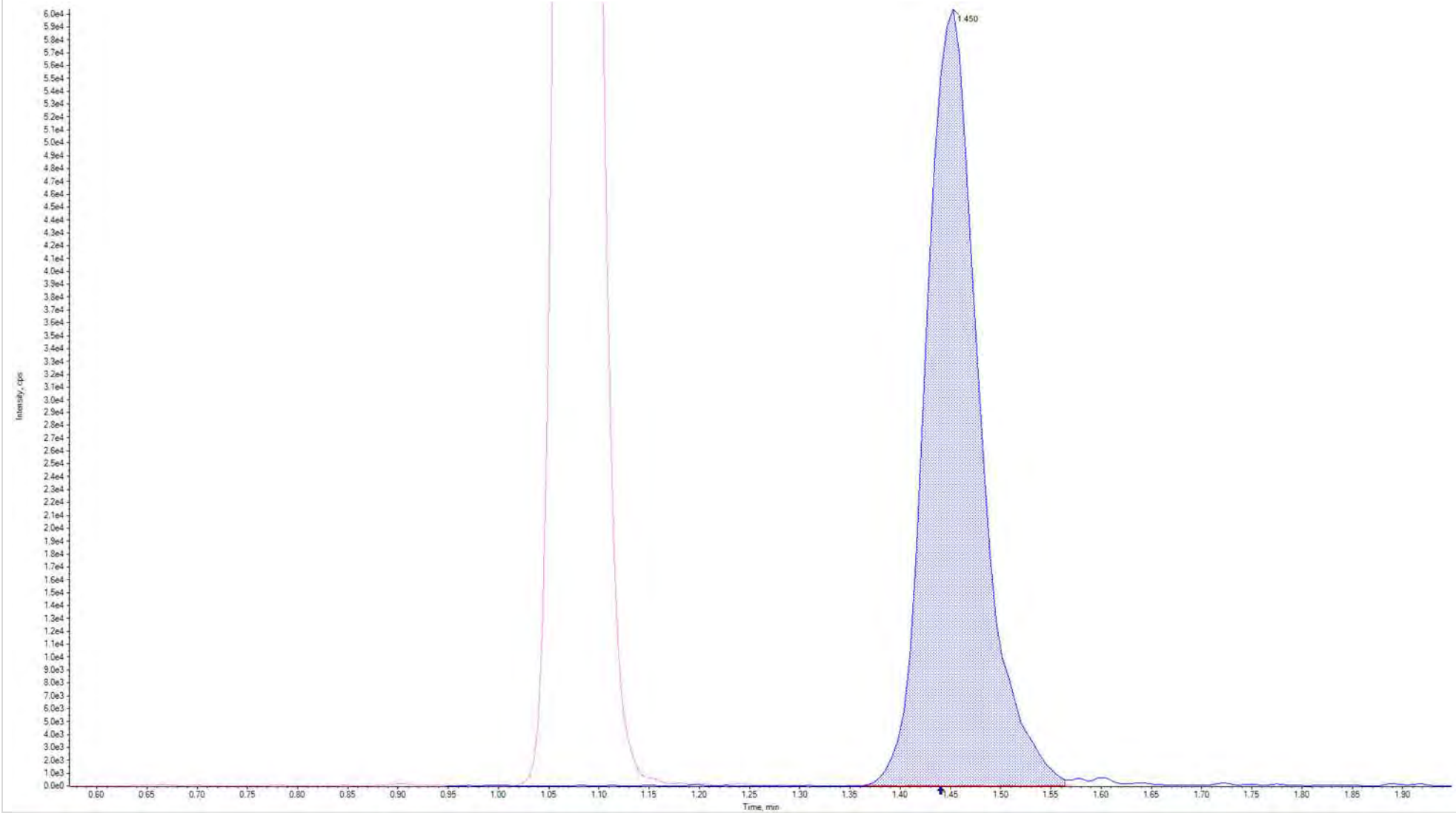
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

3:3FTCA_2
Sample: IA1633STD-5 S/N:1513.3 Points Across peak:35



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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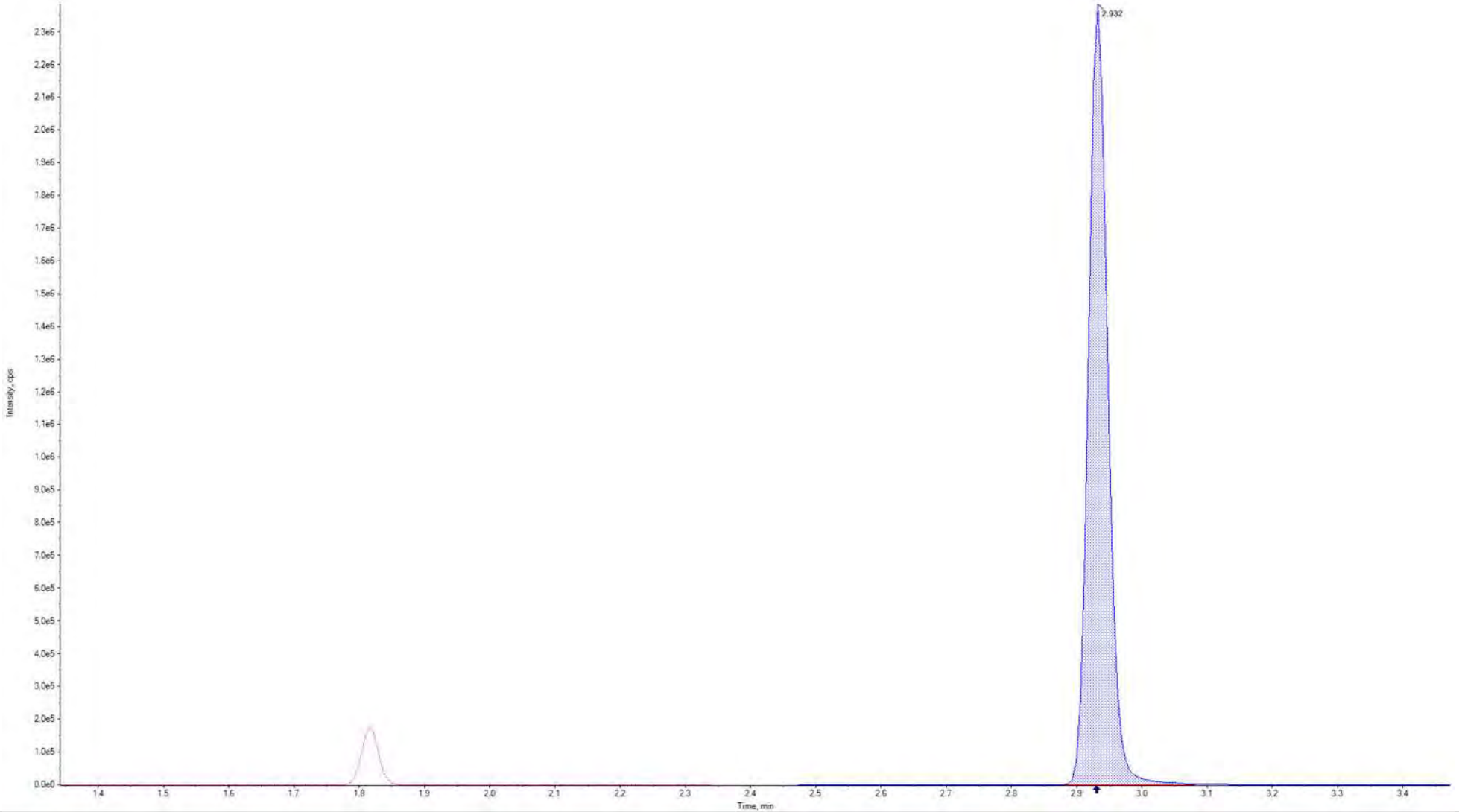
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

5:3FTCA
Sample: IA1633STD-5 S/N:53799.9 Points Across peak:36



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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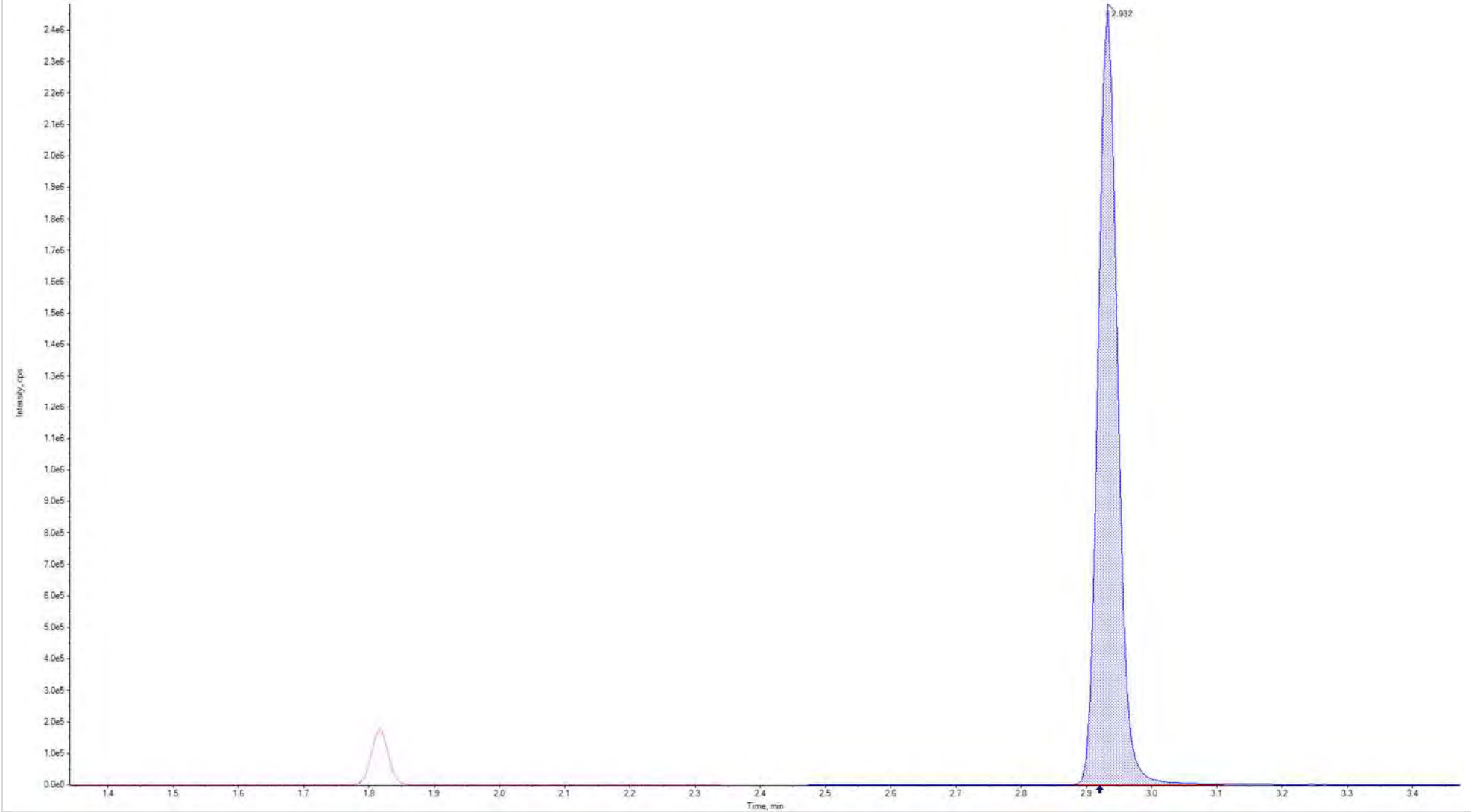
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

5:3FTCA_2
Sample: IA1633STD-5 S/N:56011.3 Points Across peak:41



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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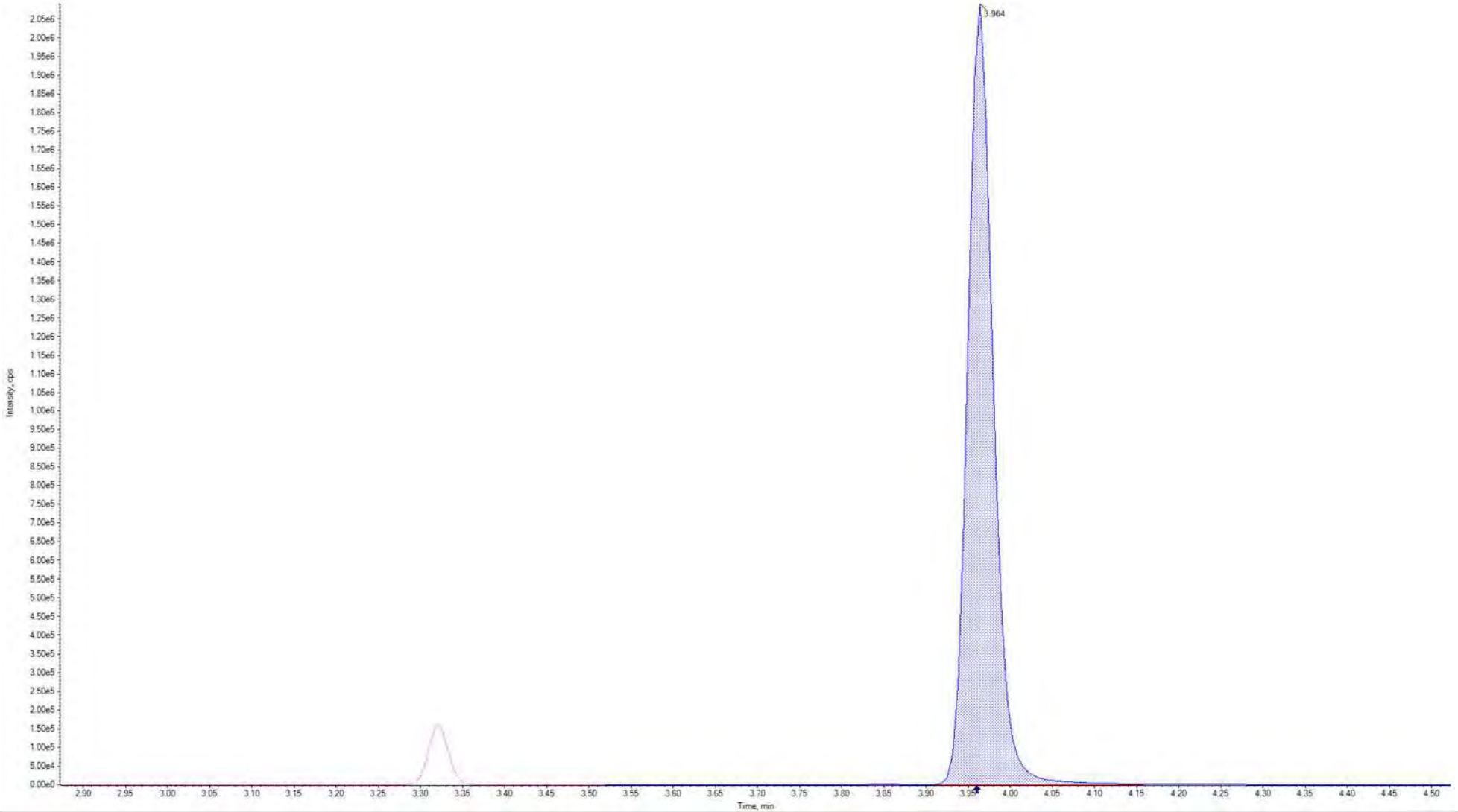
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

7:3FTCA
Sample: IA1633STD-5 S/N:57641.9 Points Across peak:43



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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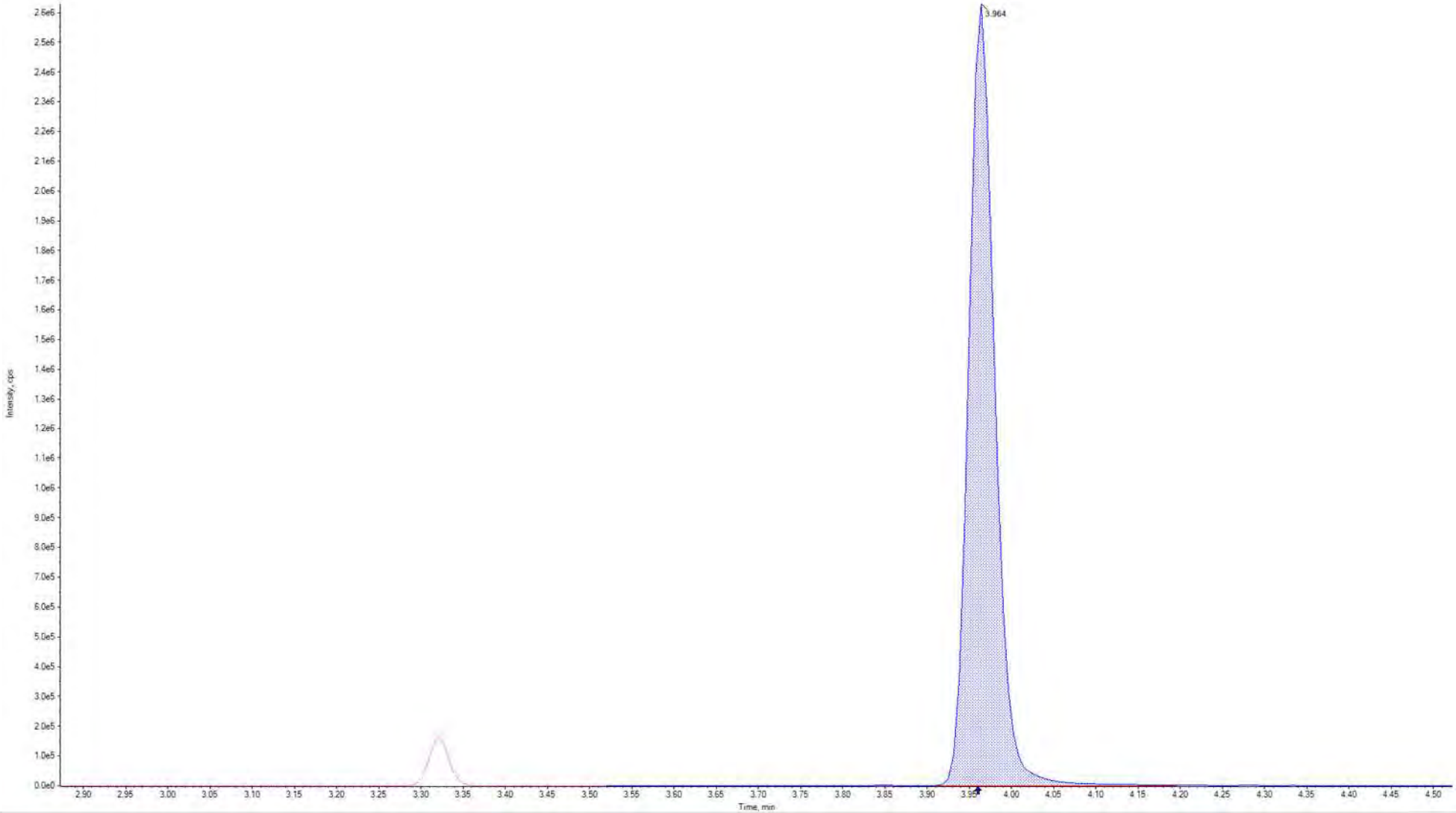
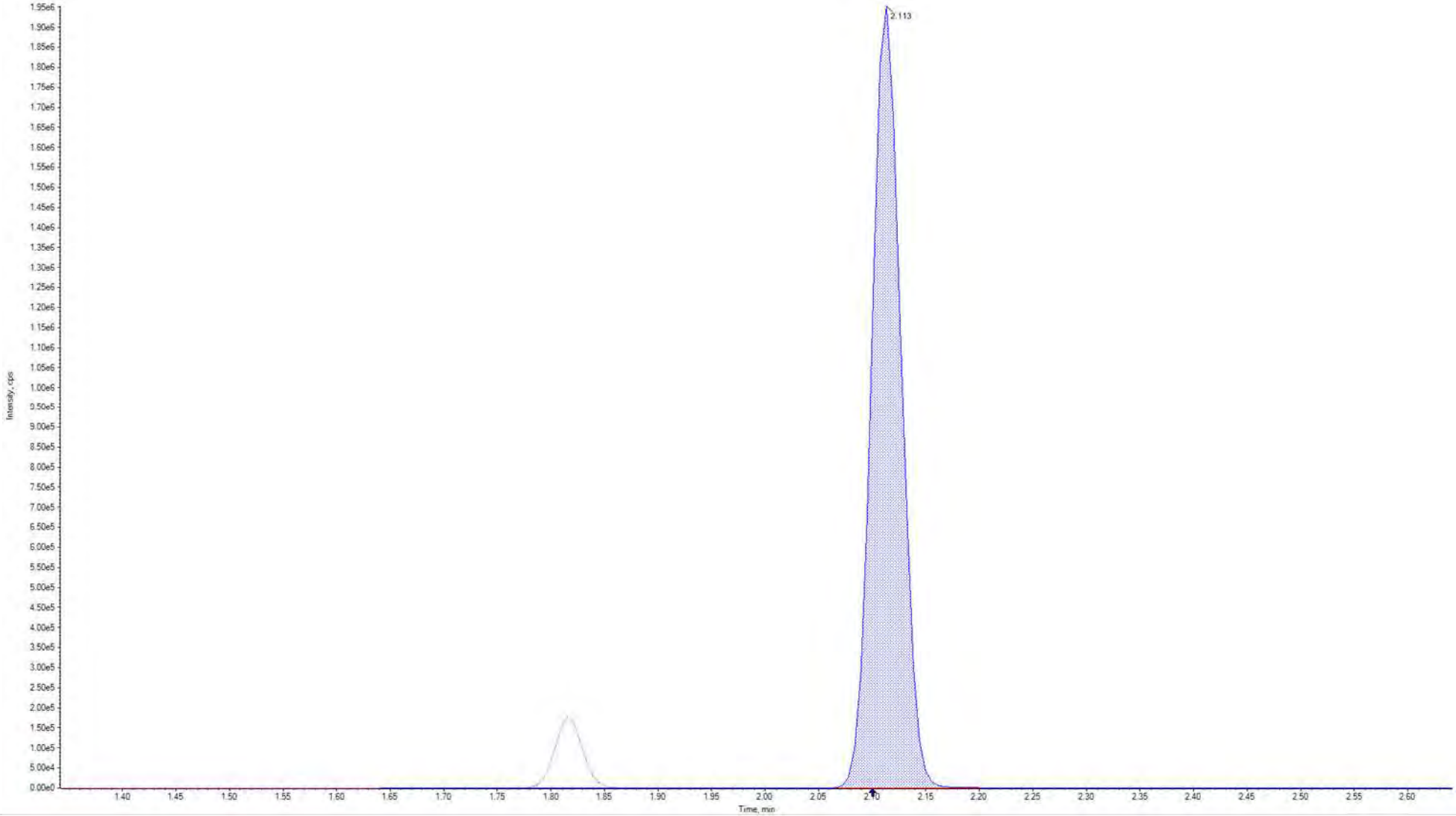
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

7:3FTCA_2
Sample: IA1633STD-5 S/N:72482.0 Points Across peak:49



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_20.wiff2_5
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFEESA
Sample: IA1633STD-5 S/N:44049.3 Points Across peak:35



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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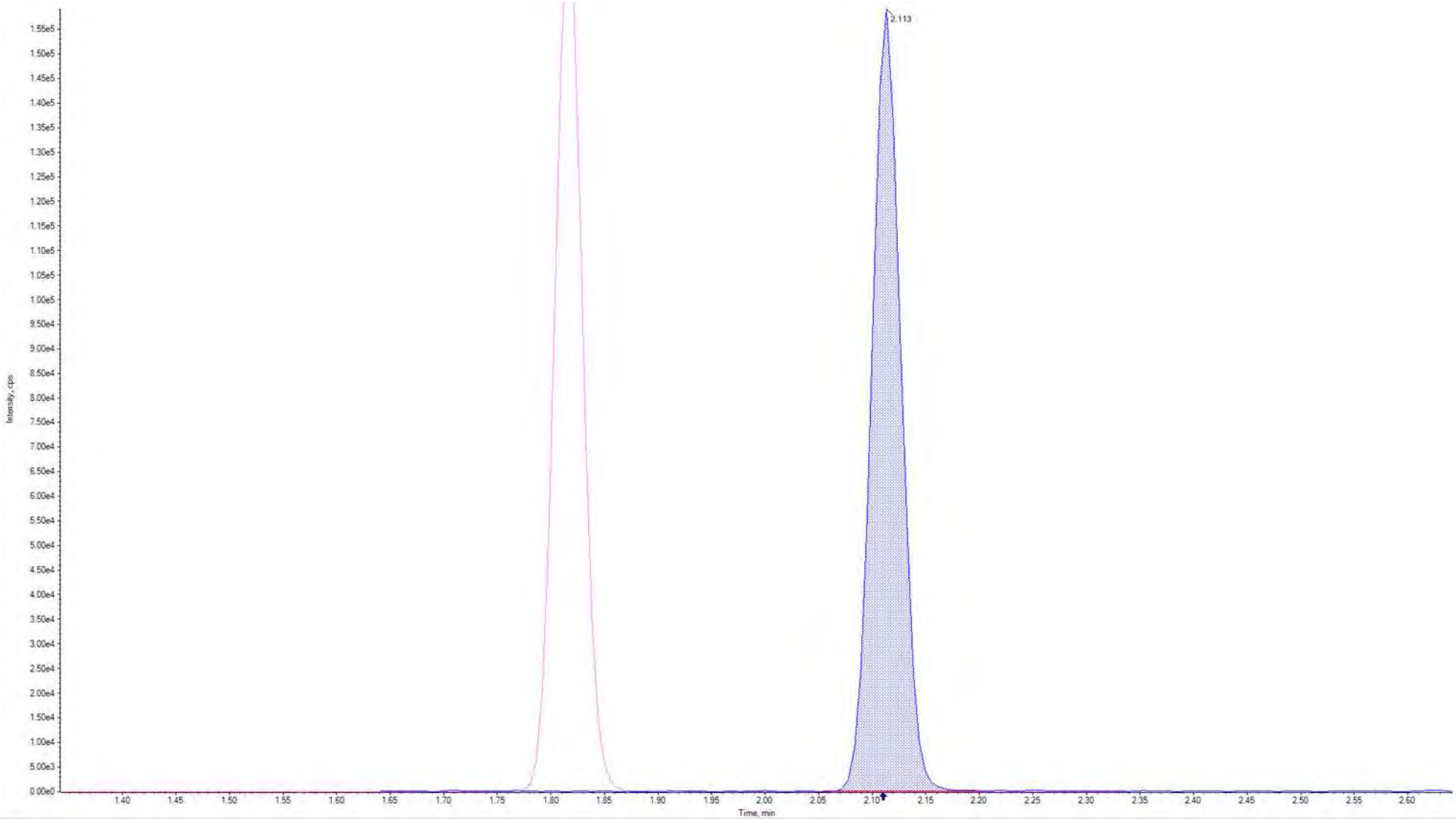
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFEESA_2
Sample: IA1633STD-5 S/N:3586.9 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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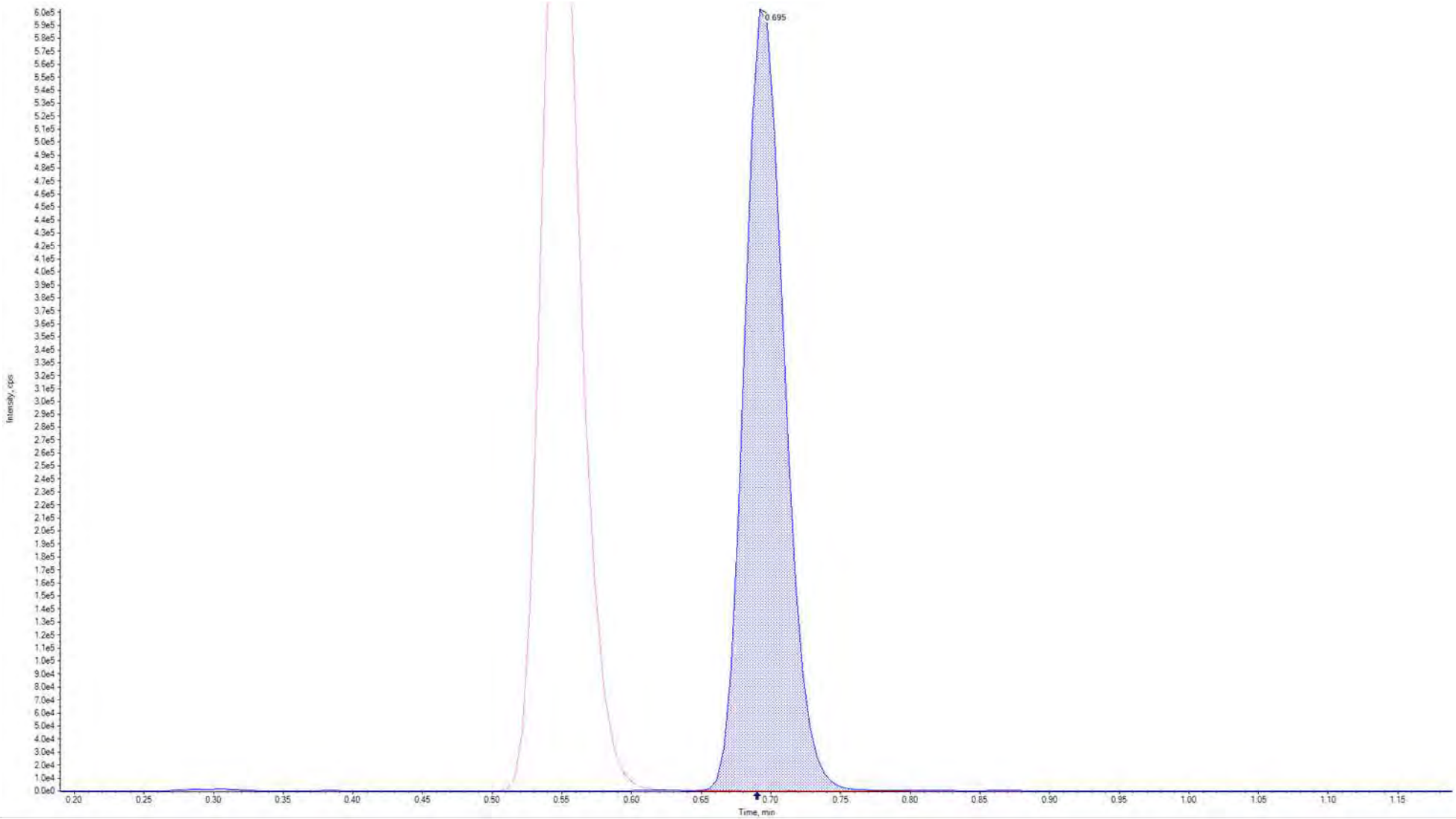
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFMPA
Sample: IA1633STD-5 S/N:9009.6 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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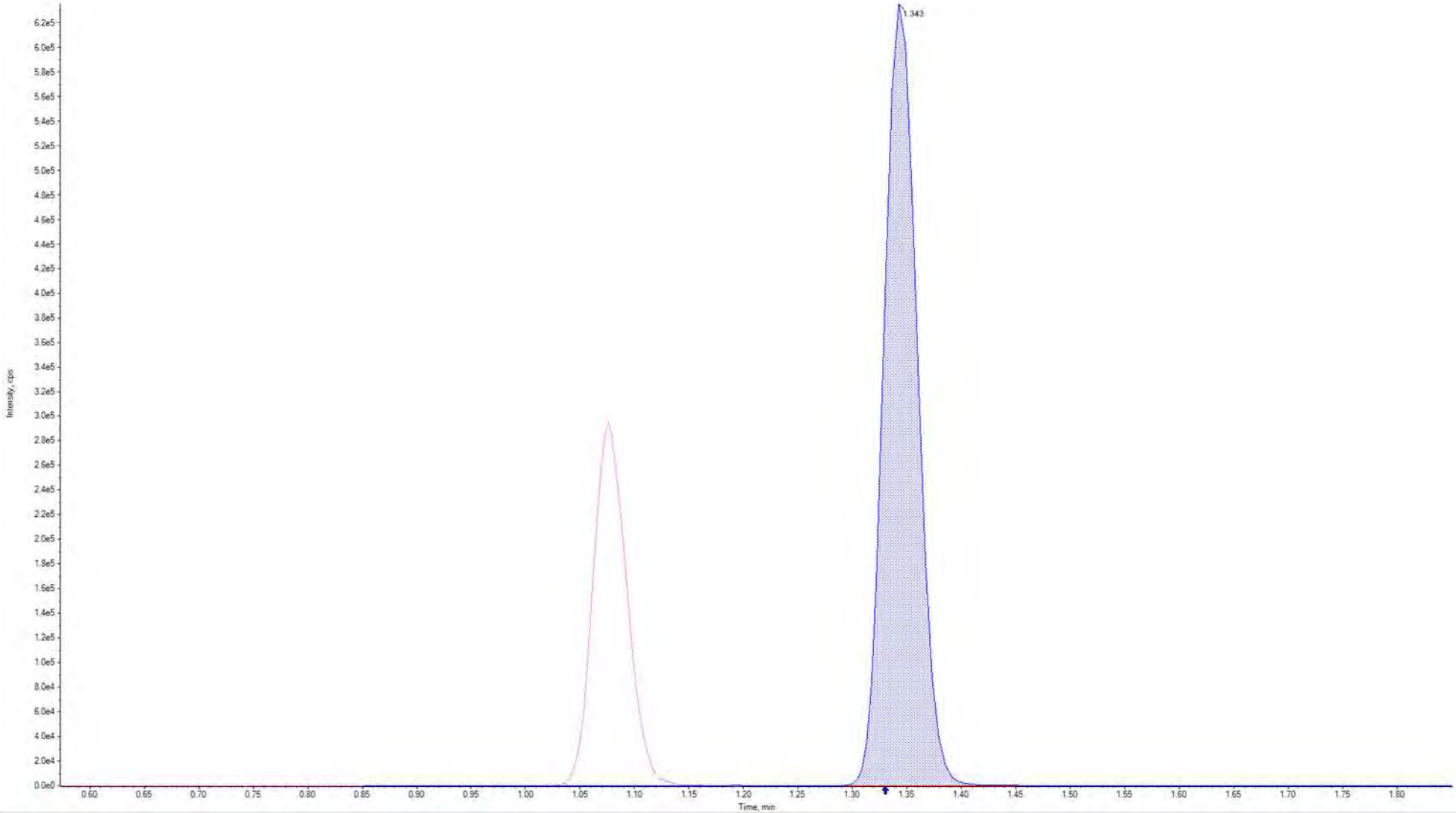
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFMBA
Sample: IA1633STD-5 S/N:33308.6 Points Across peak:44



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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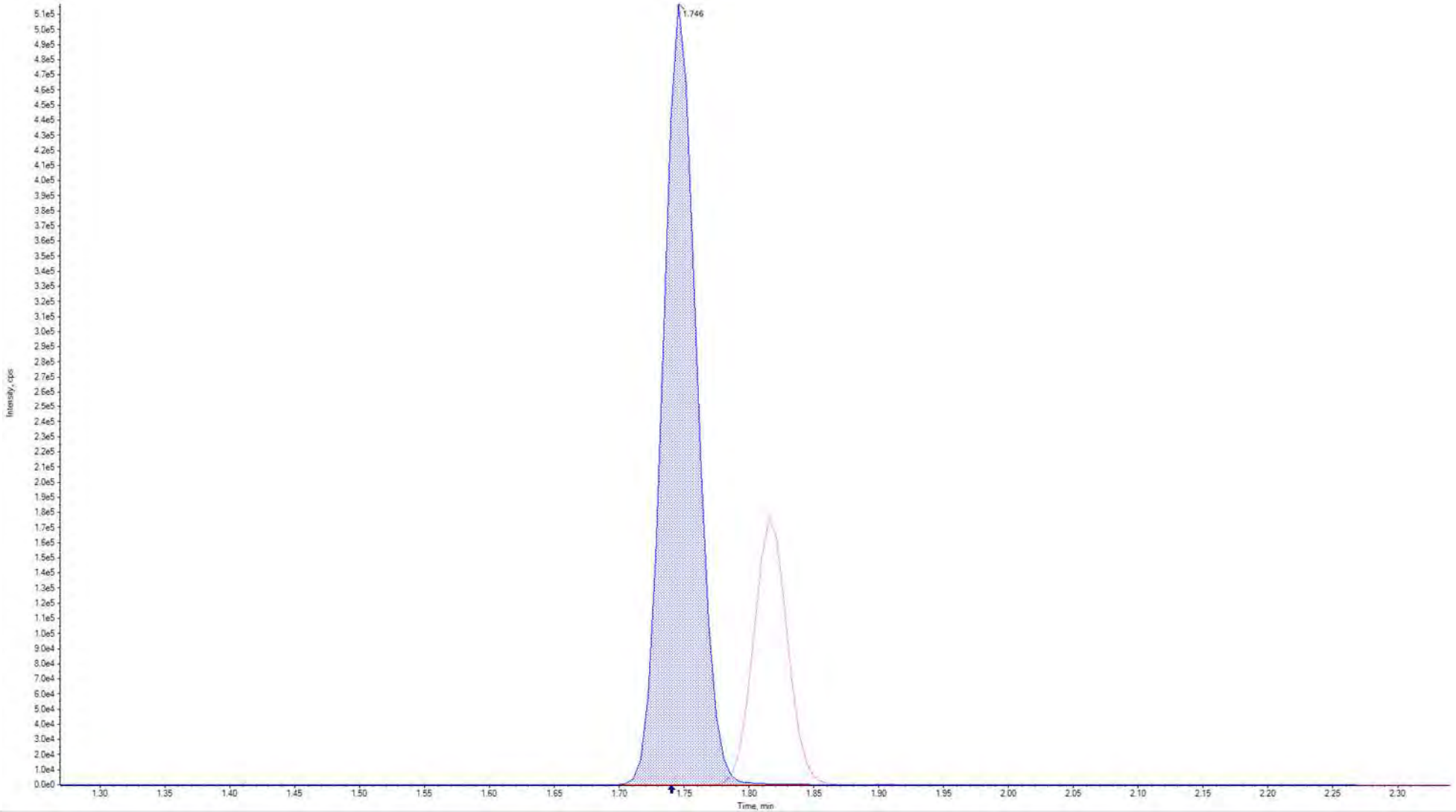
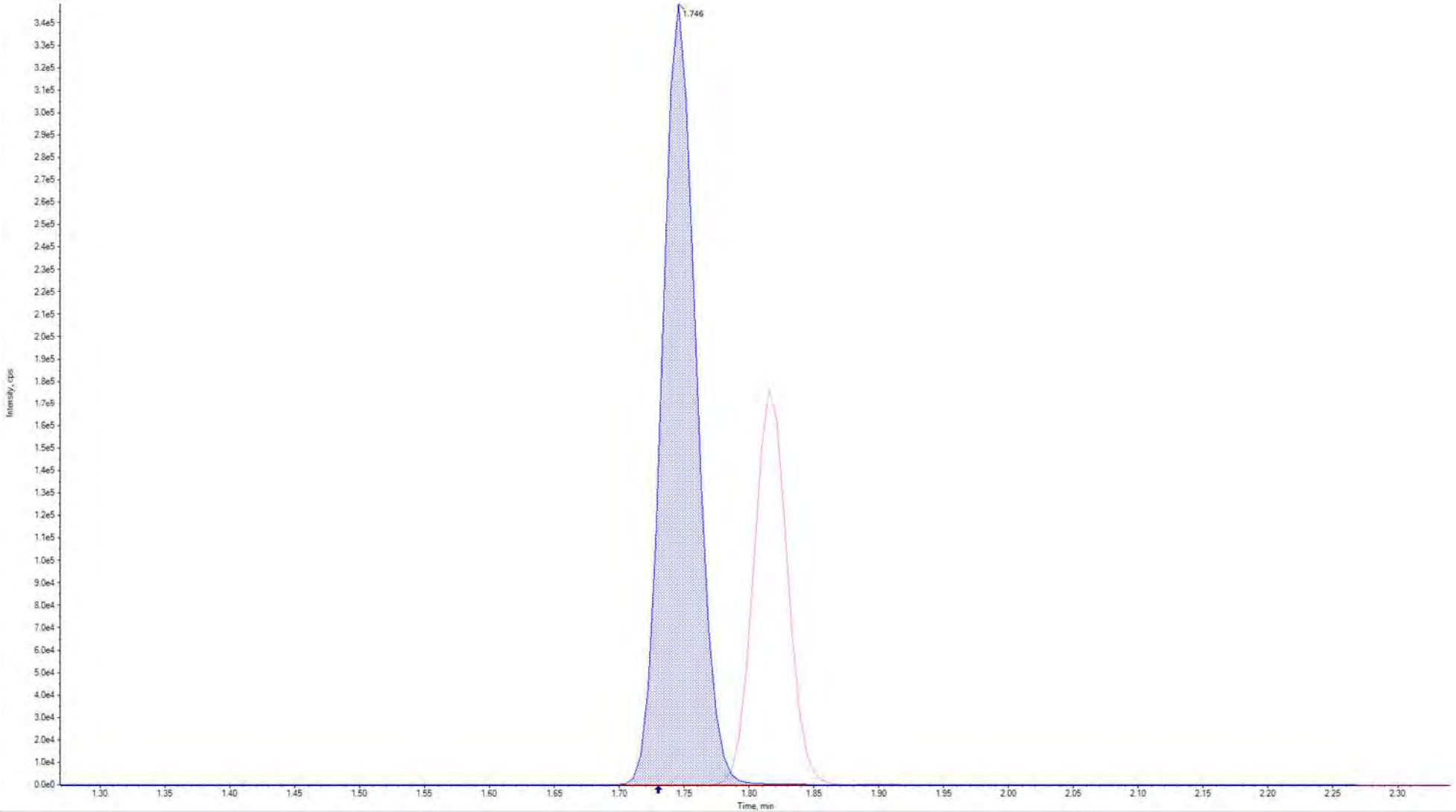
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NFDHA
Sample: IA1633STD-5 S/N:7606.8 Points Across peak:32



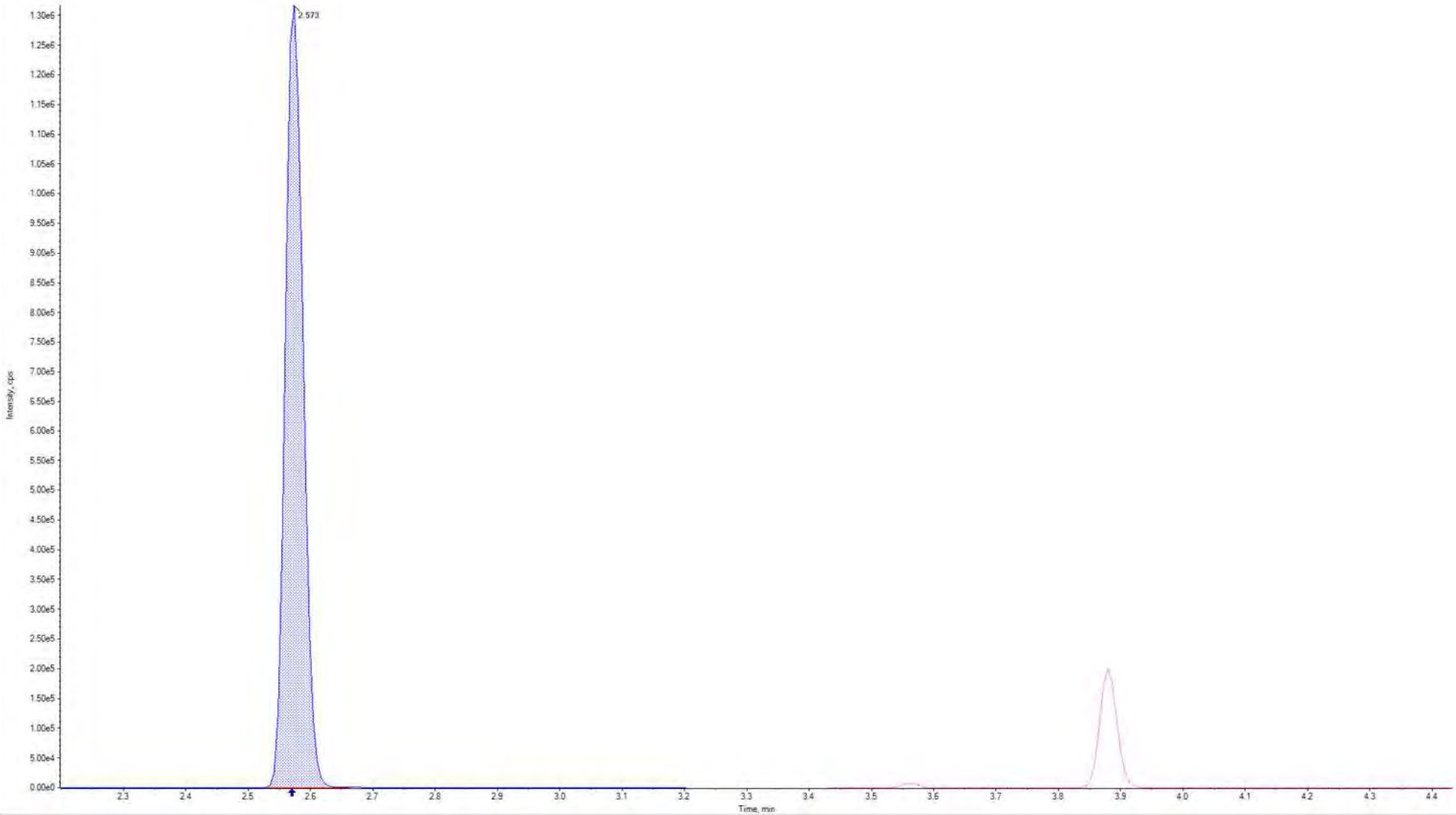
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_20.wiff2_5
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NFDHA_2
Sample: IA1633STD-5 S/N:4031.1 Points Across peak:30



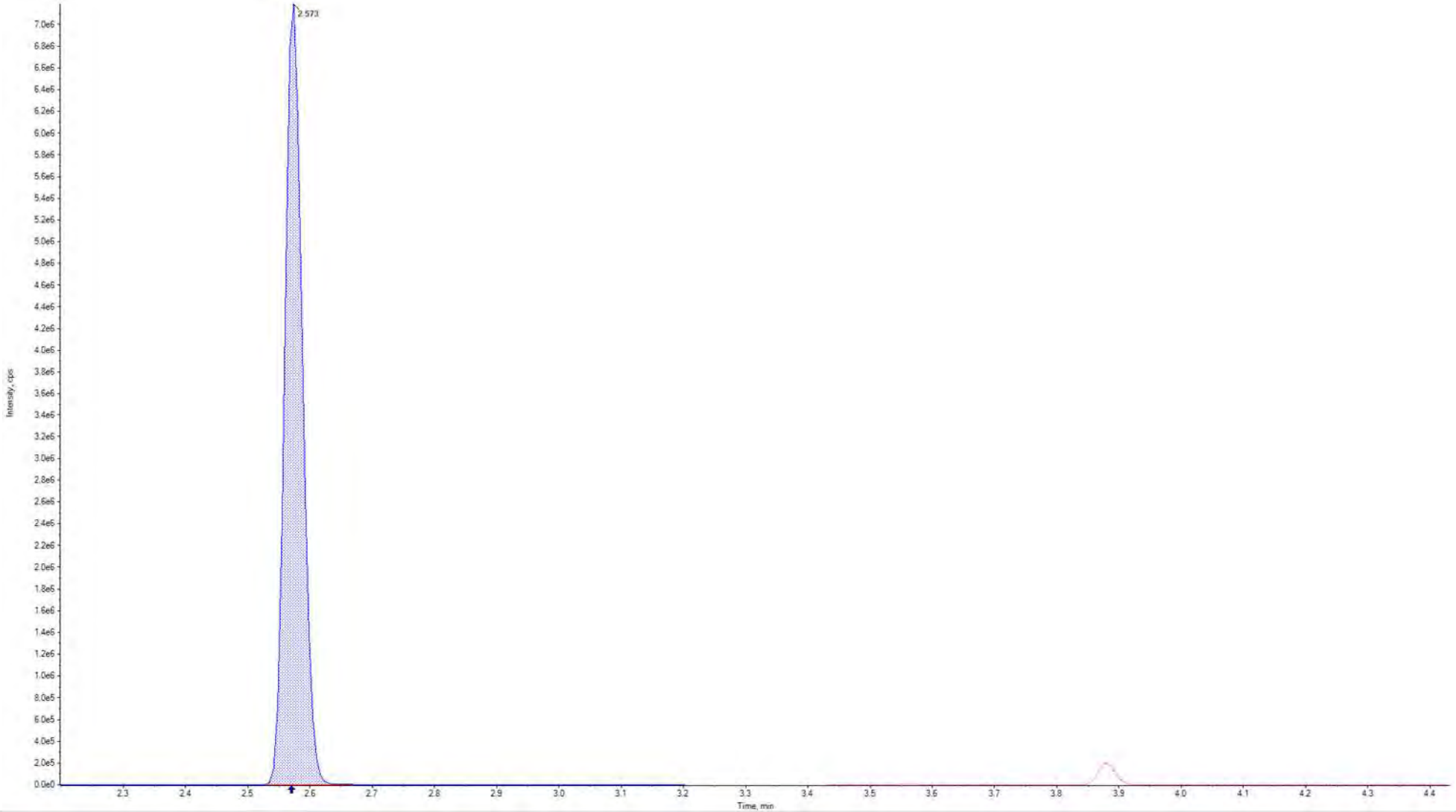
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_20.wiff2_5
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

TDCA
Sample: IA1633STD-5 S/N:9725.1 Points Across peak:25



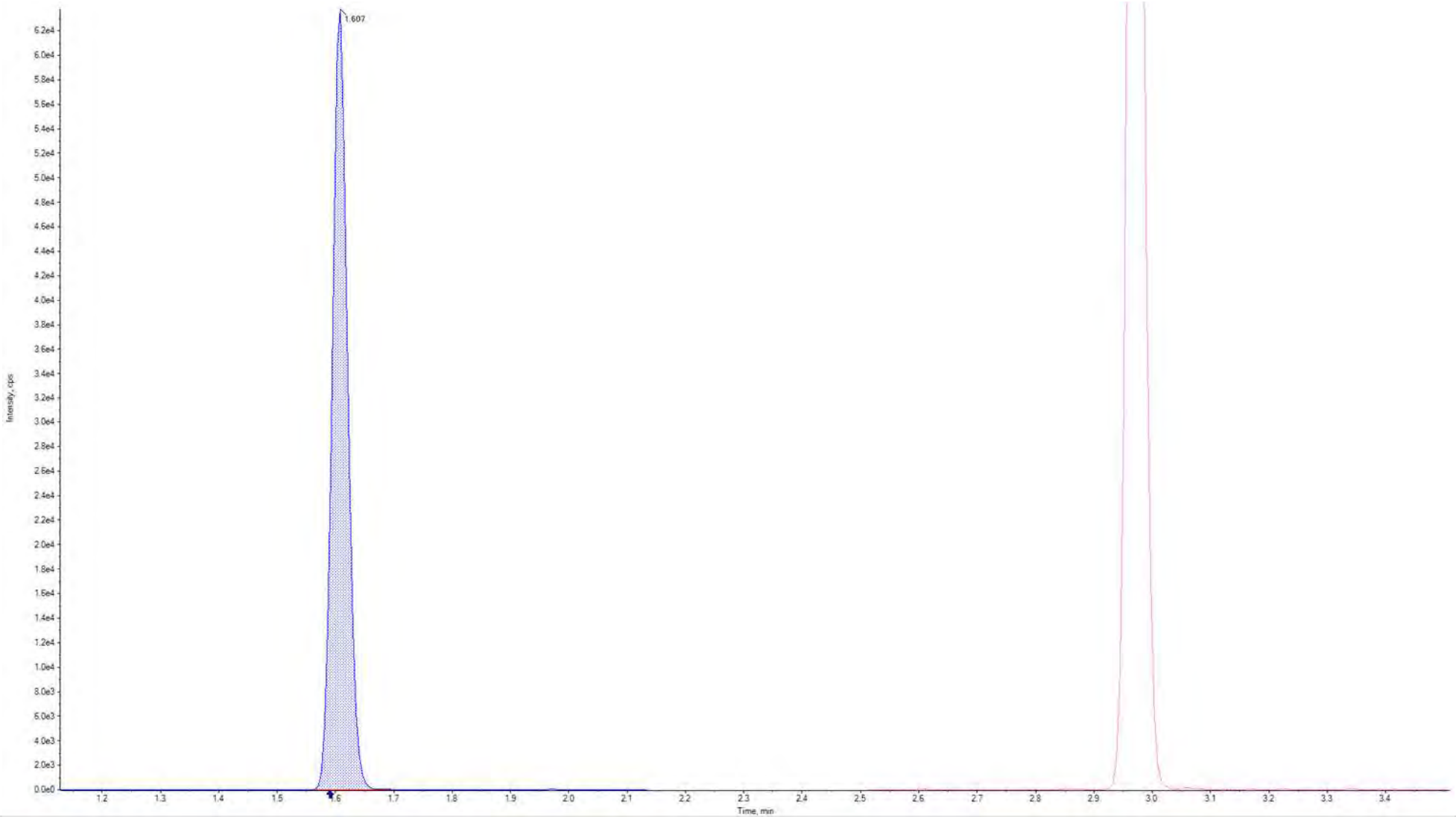
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_20.wiff2_5
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

TDCA_2
Sample: IA1633STD-5 S/N:144138.6 Points Across peak:32



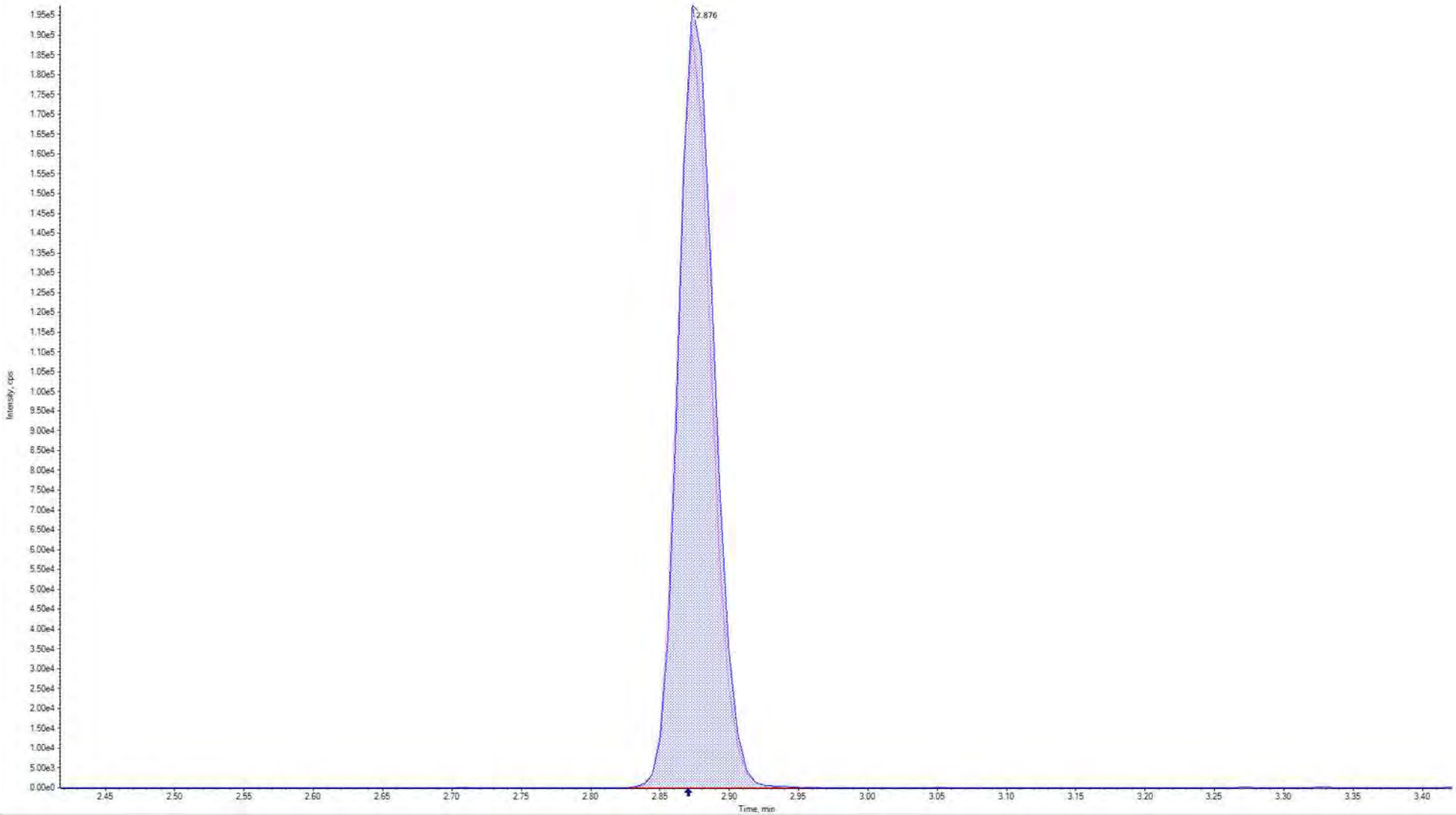
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_20.wiff2_5
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

13C2D4-4:2FTS
Sample: IA1633STD-5 S/N:2397.9 Points Across peak:32

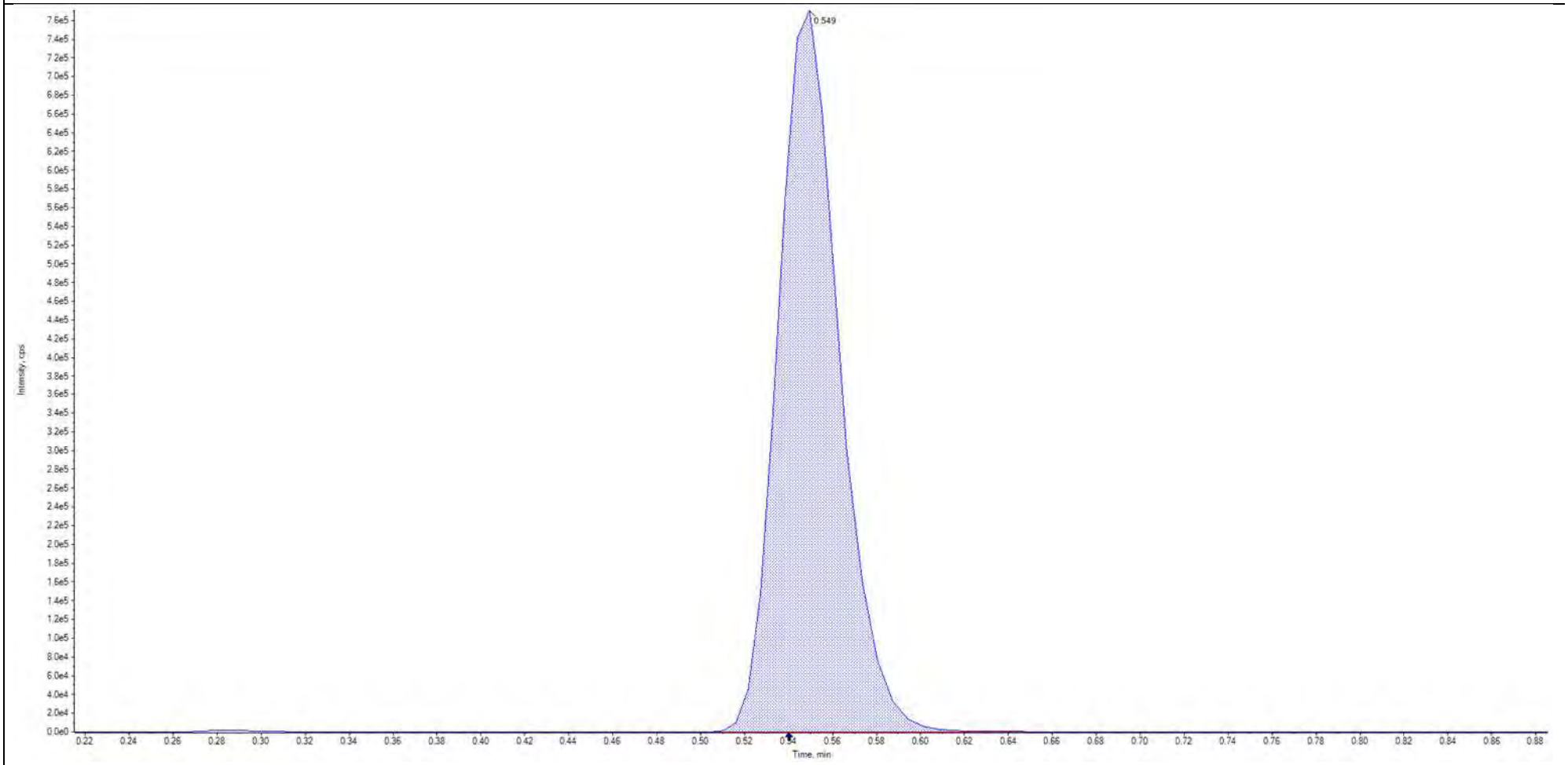


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_20.wiff2_5
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

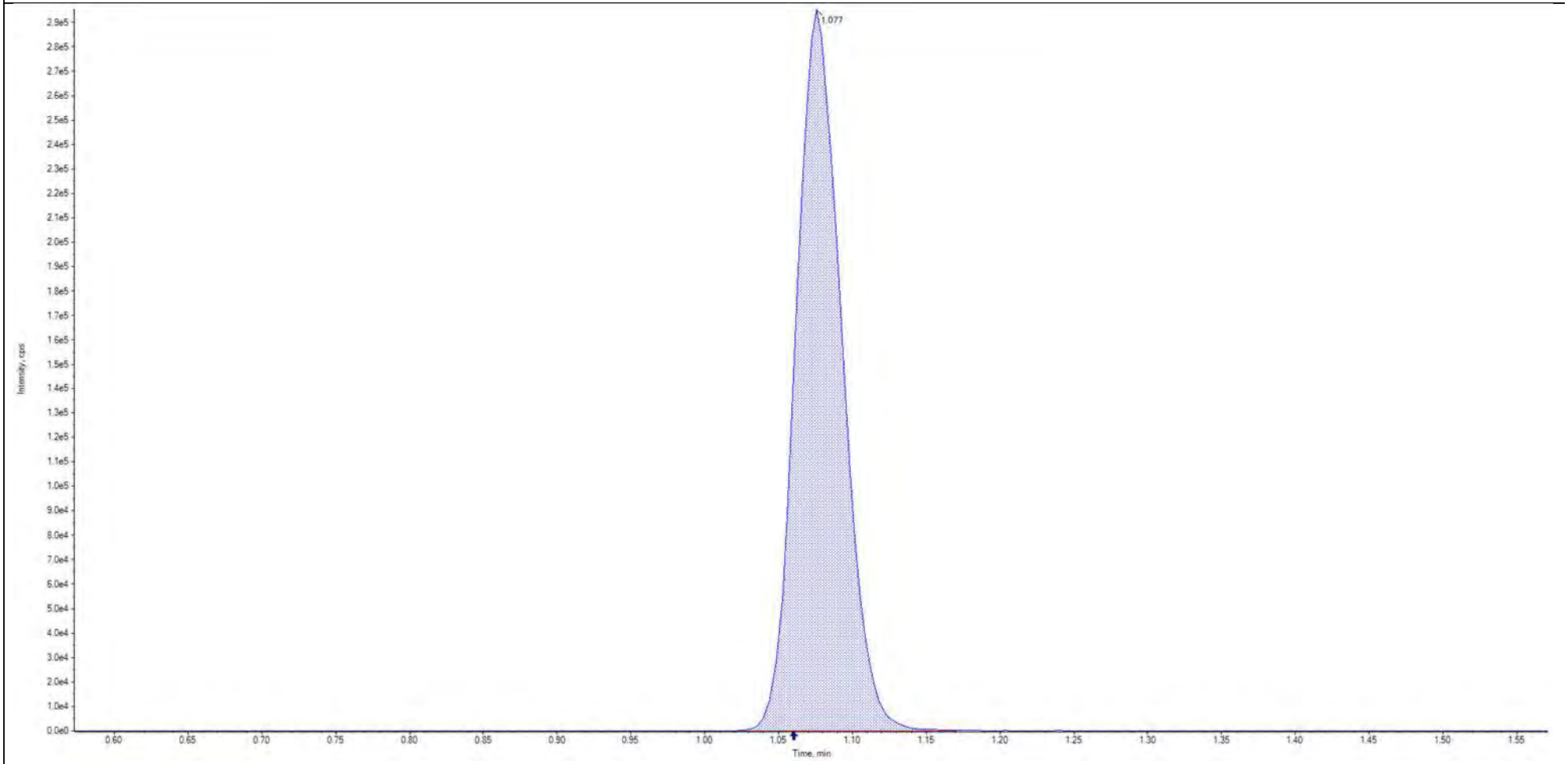
13C2-PFOA
Sample: IA1633STD-5 S/N:4455.1 Points Across peak:33



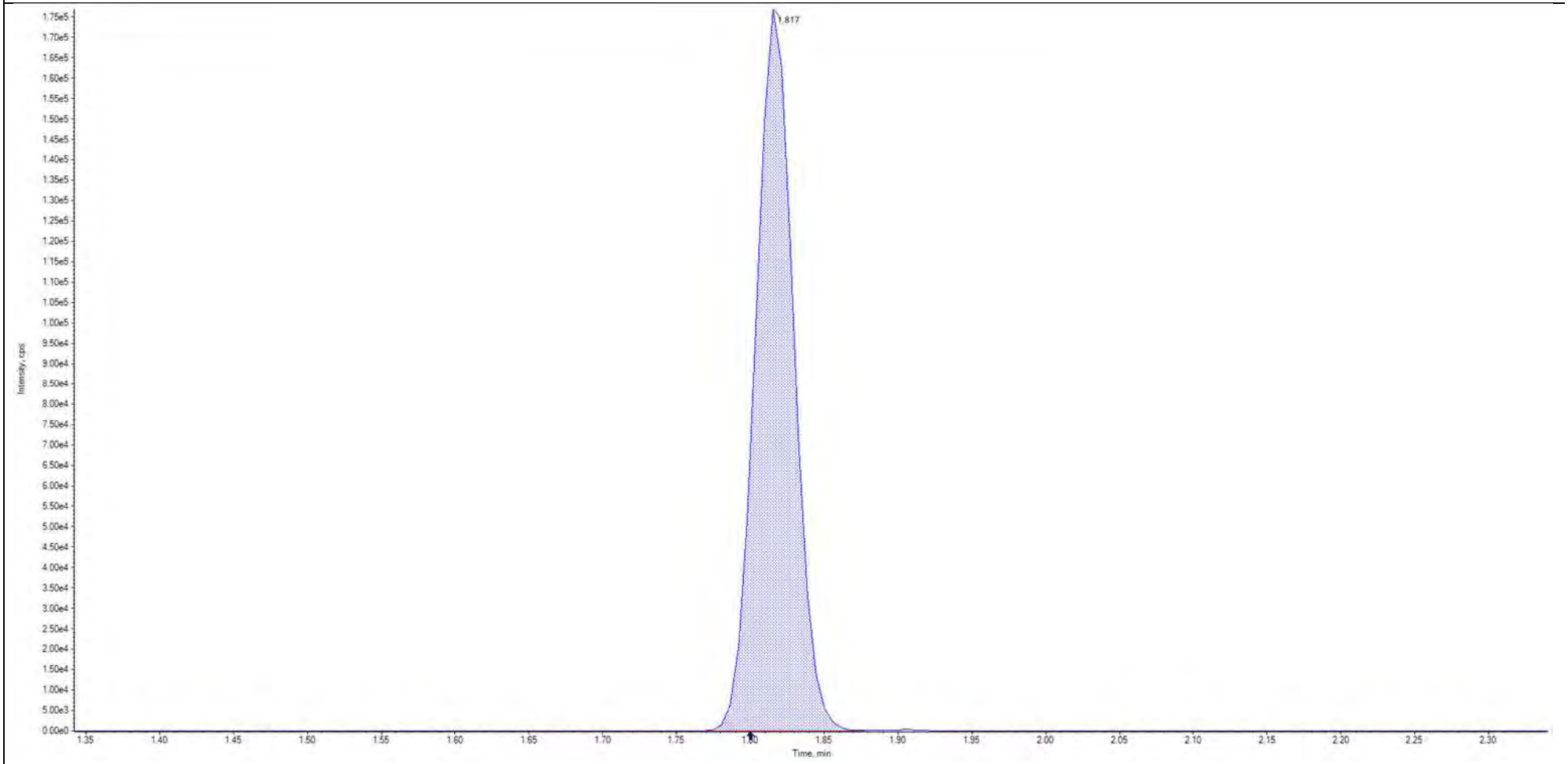
13C4-PFBA
Sample: IA1633STD-5



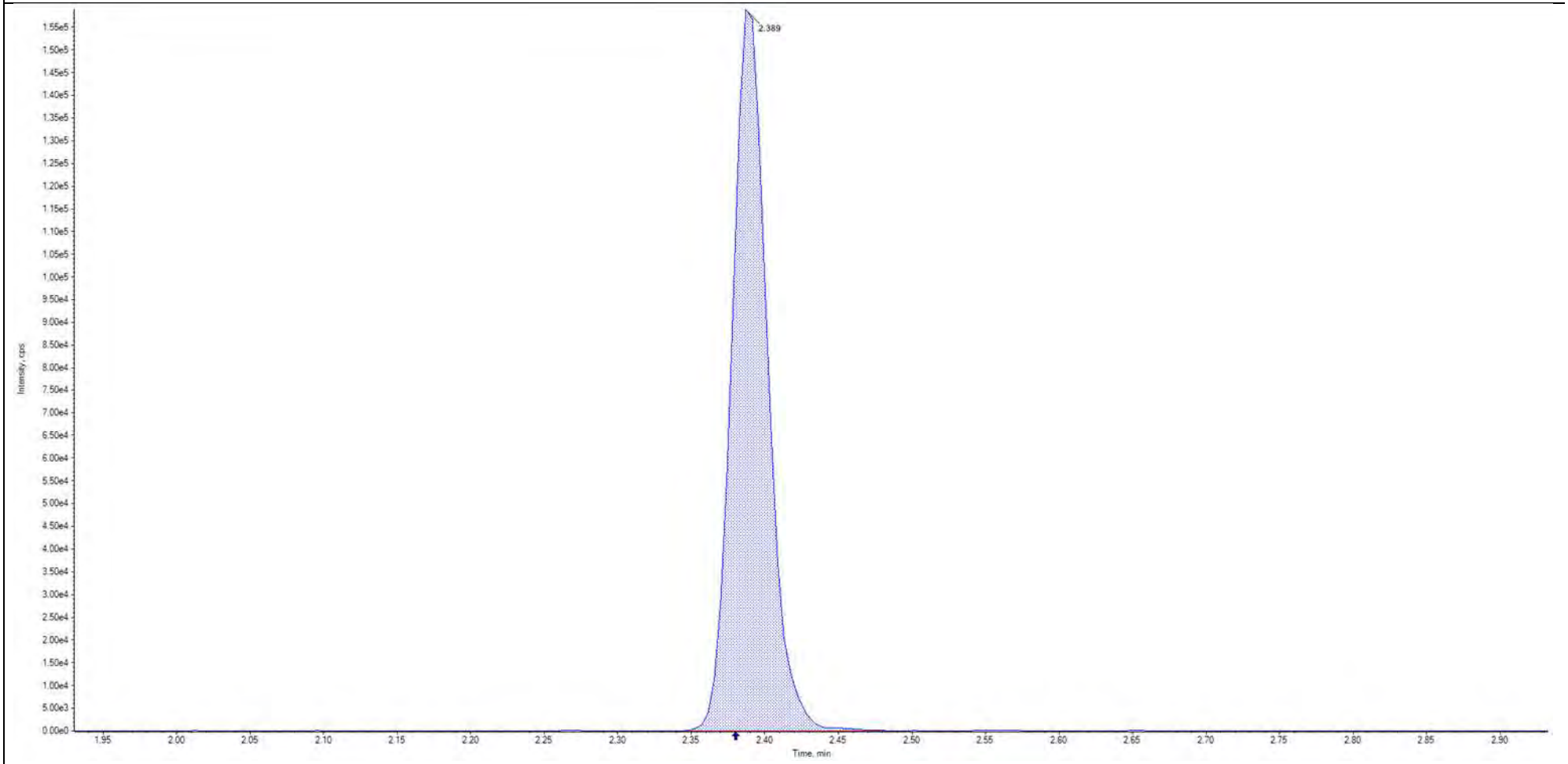
13C5-PFPeA
Sample: IA1633STD-5



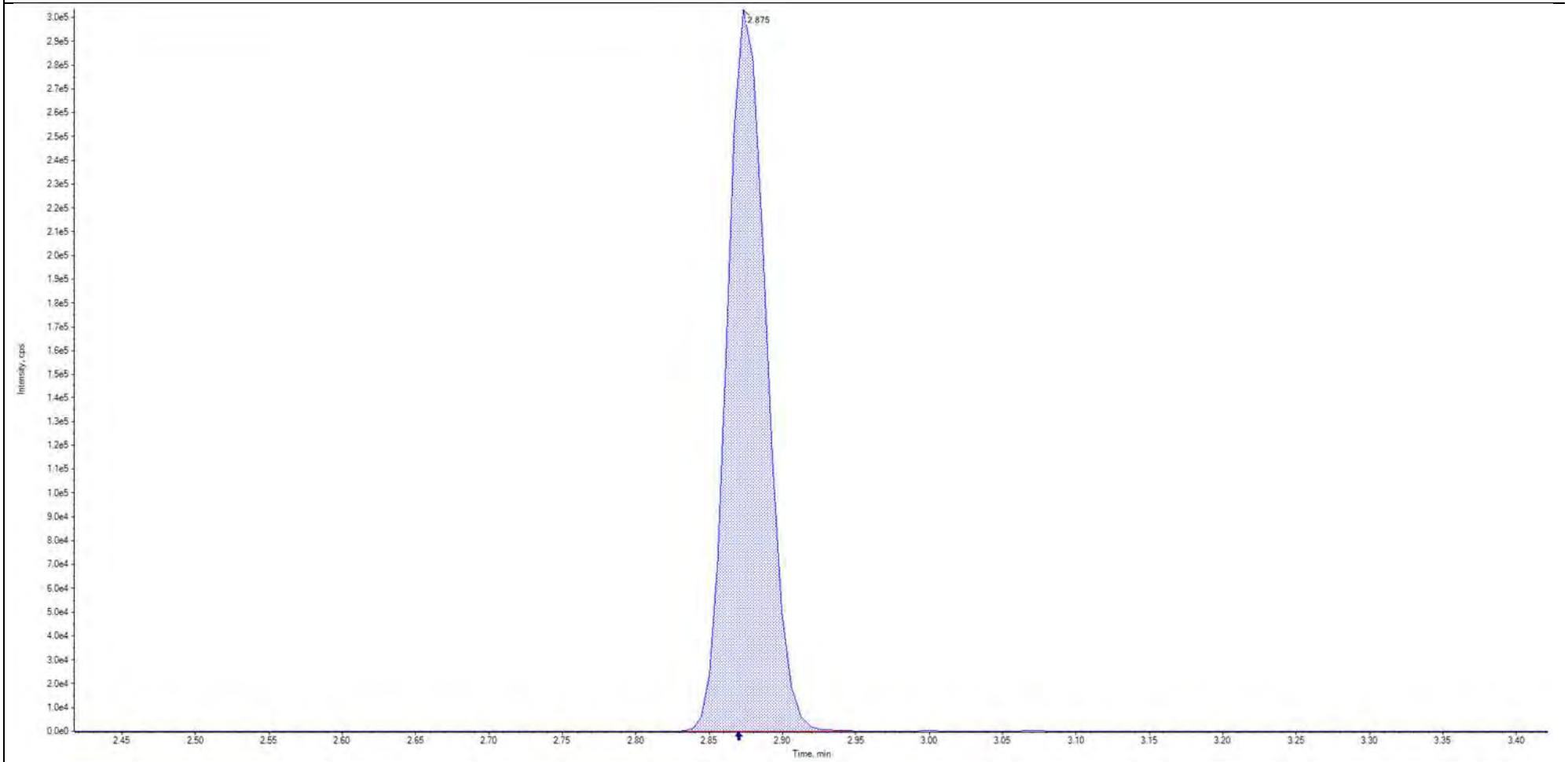
13C5-PFHxA
Sample: IA1633STD-5



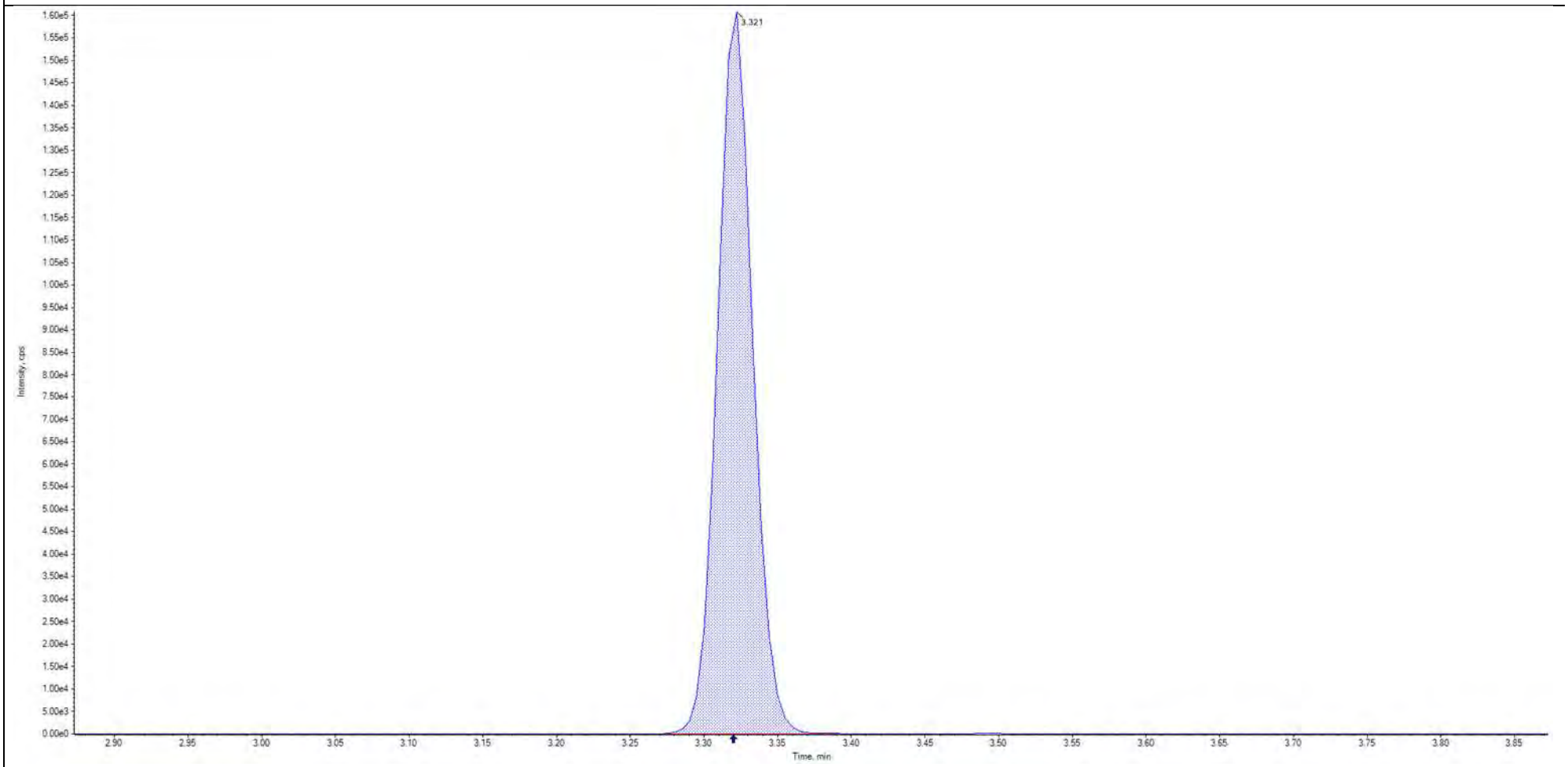
13C4-PFHpA
Sample: IA1633STD-5



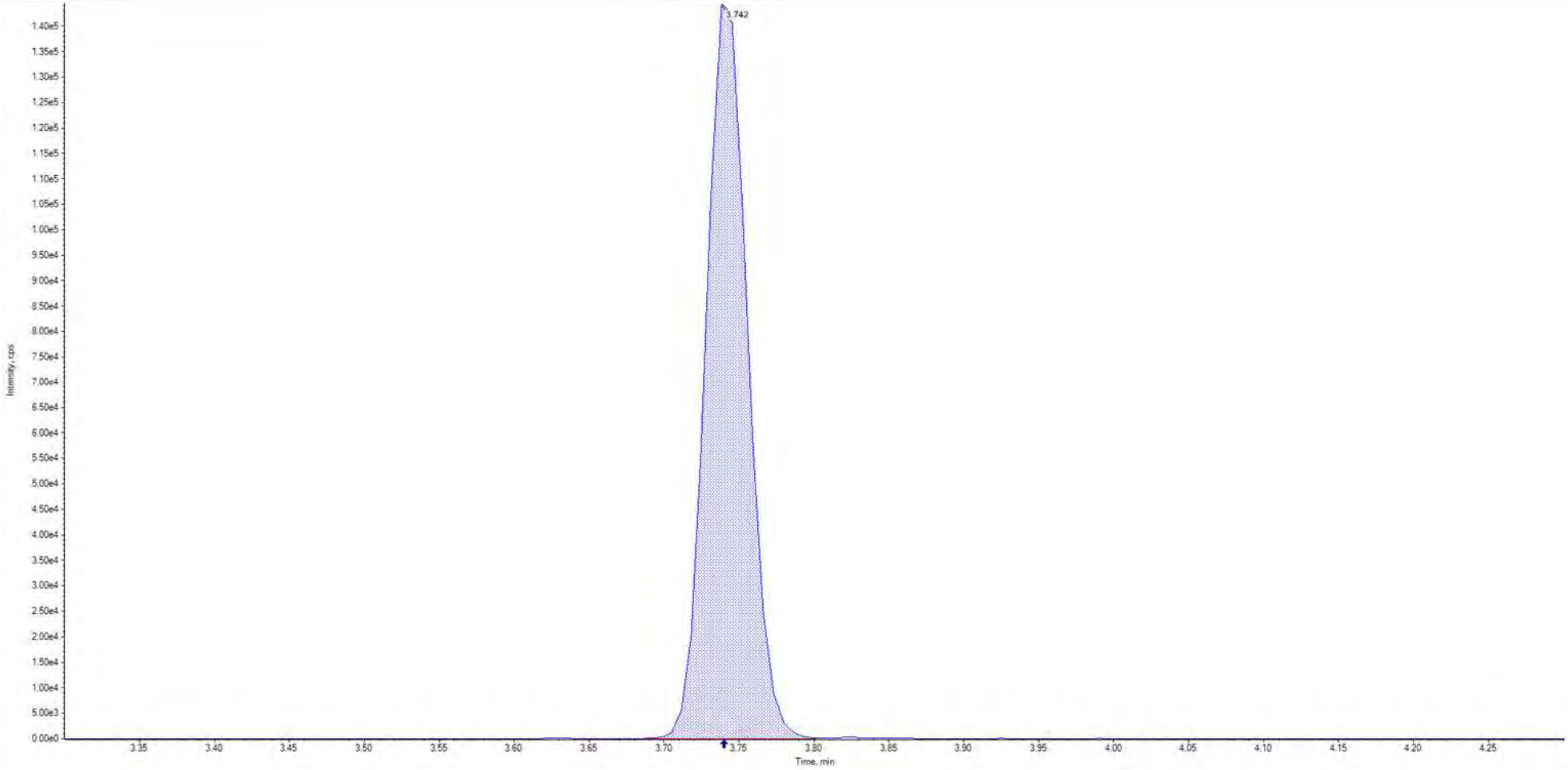
13C8-PFOA
Sample: IA1633STD-5



13C9-PFNA
Sample: IA1633STD-5

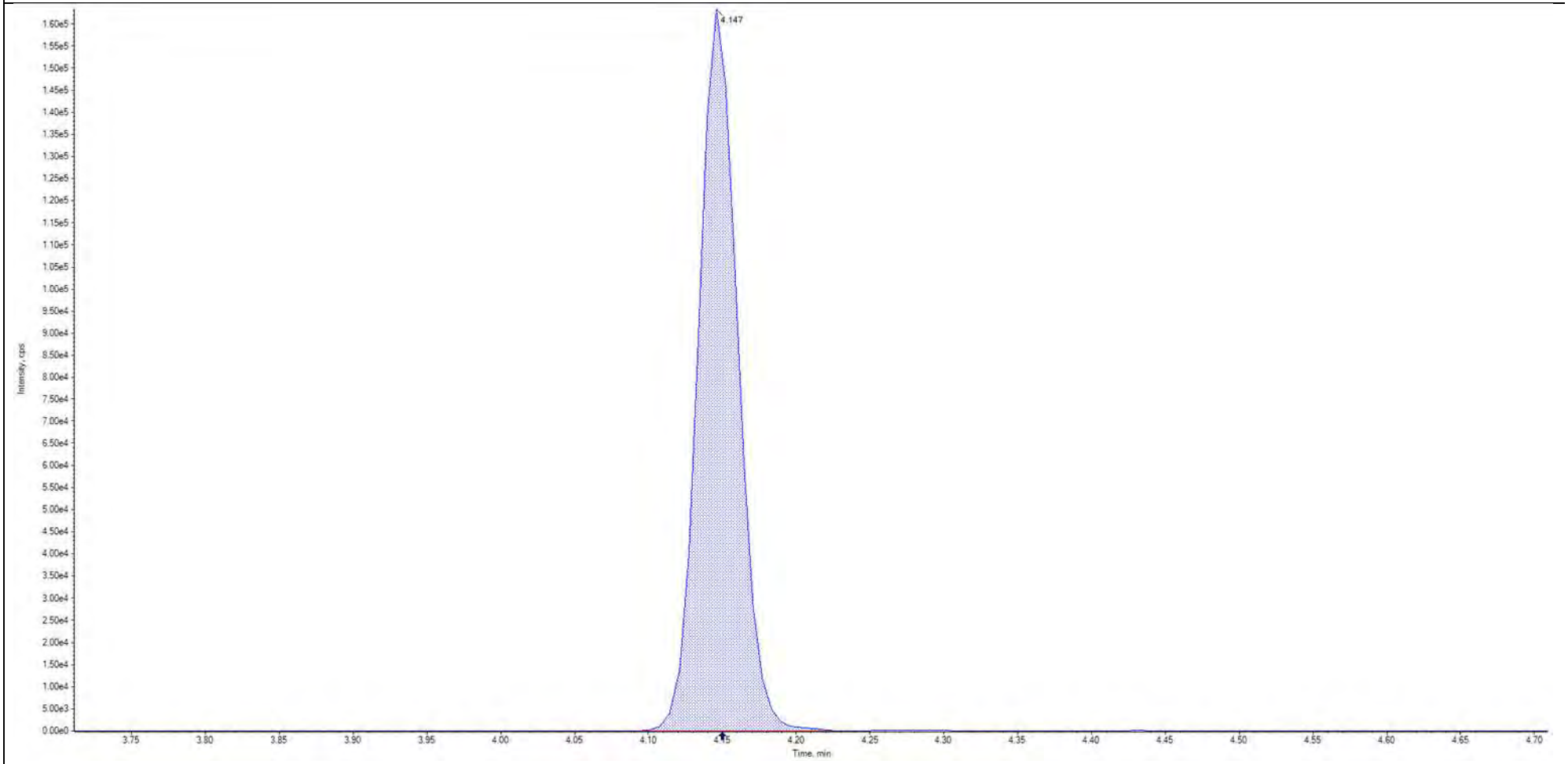


13C6-PFDA
Sample: IA1633STD-5

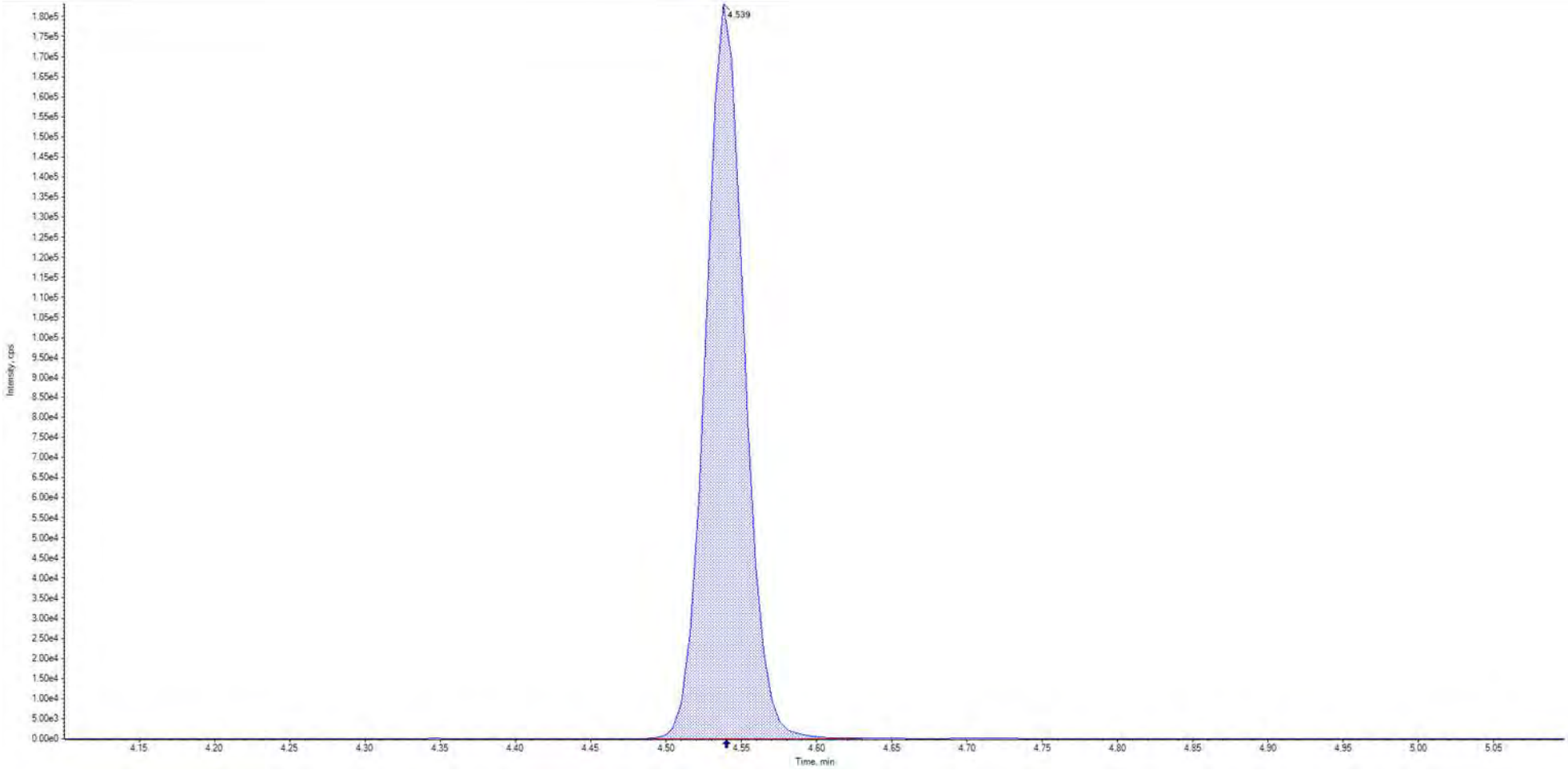


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_20.wiff2_5
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

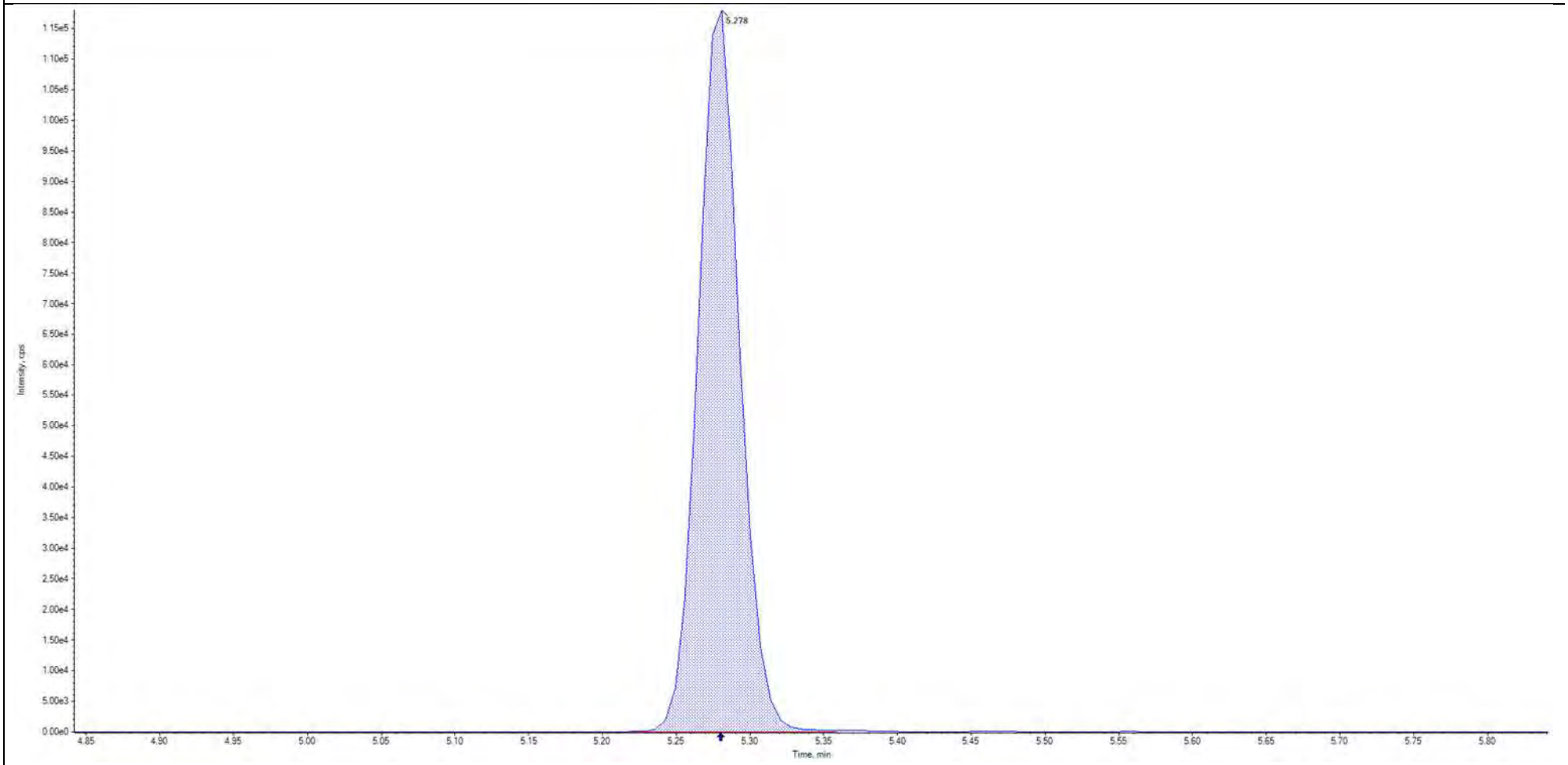
13C7-PFUnA
Sample: IA1633STD-5



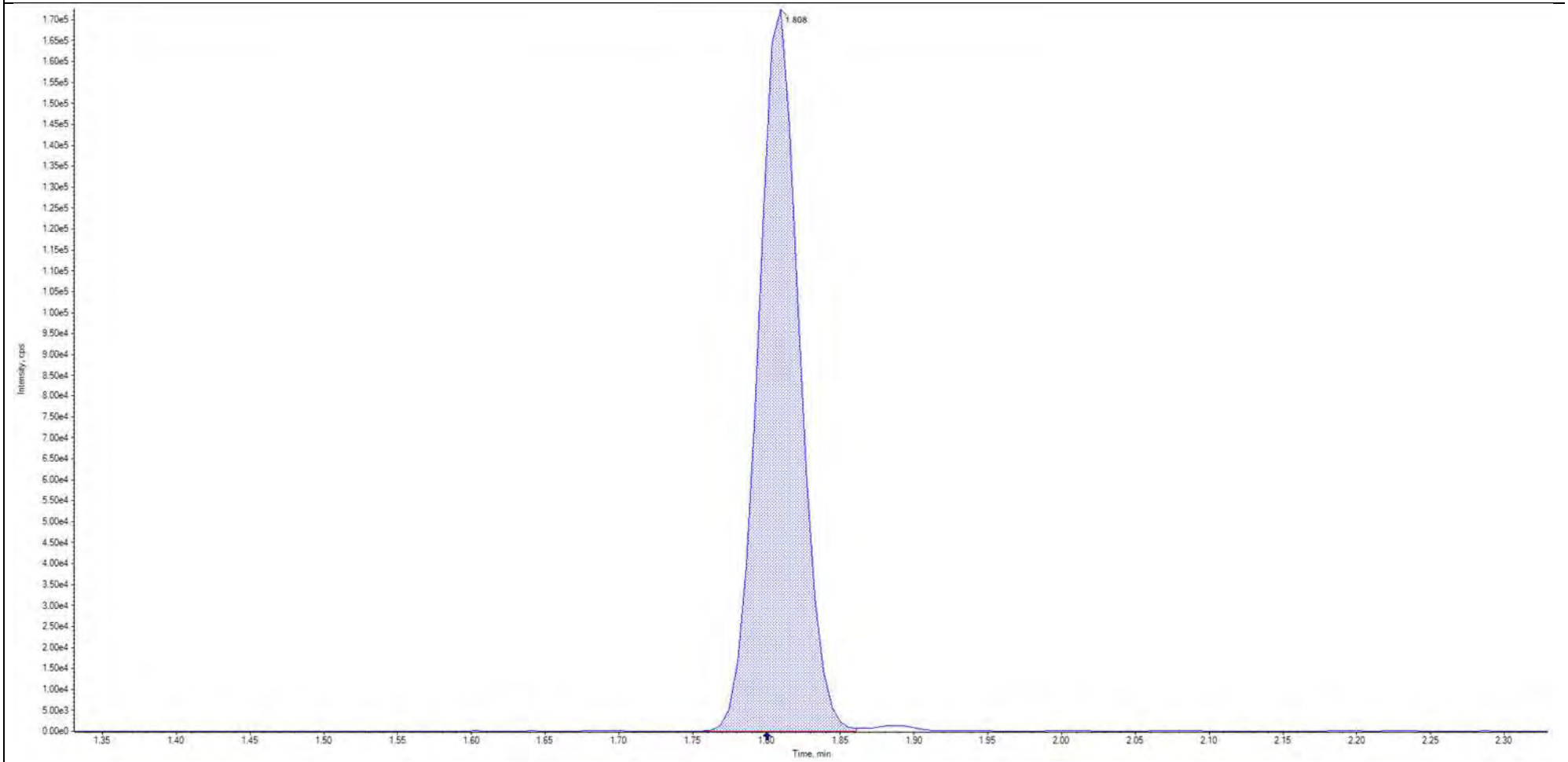
13C2-PFDoA
Sample: IA1633STD-5



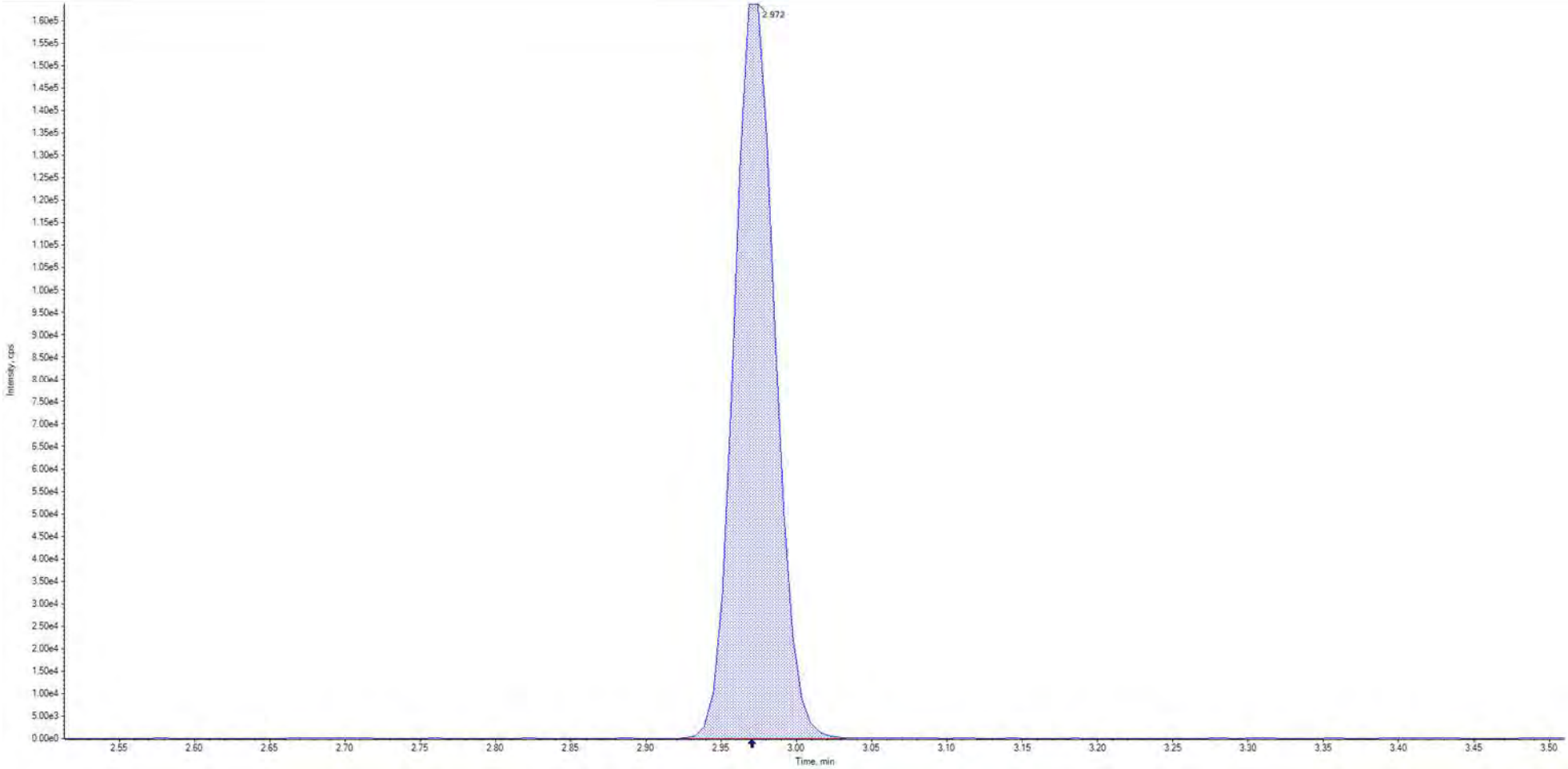
13C2-PFTeDA
Sample: IA1633STD-5



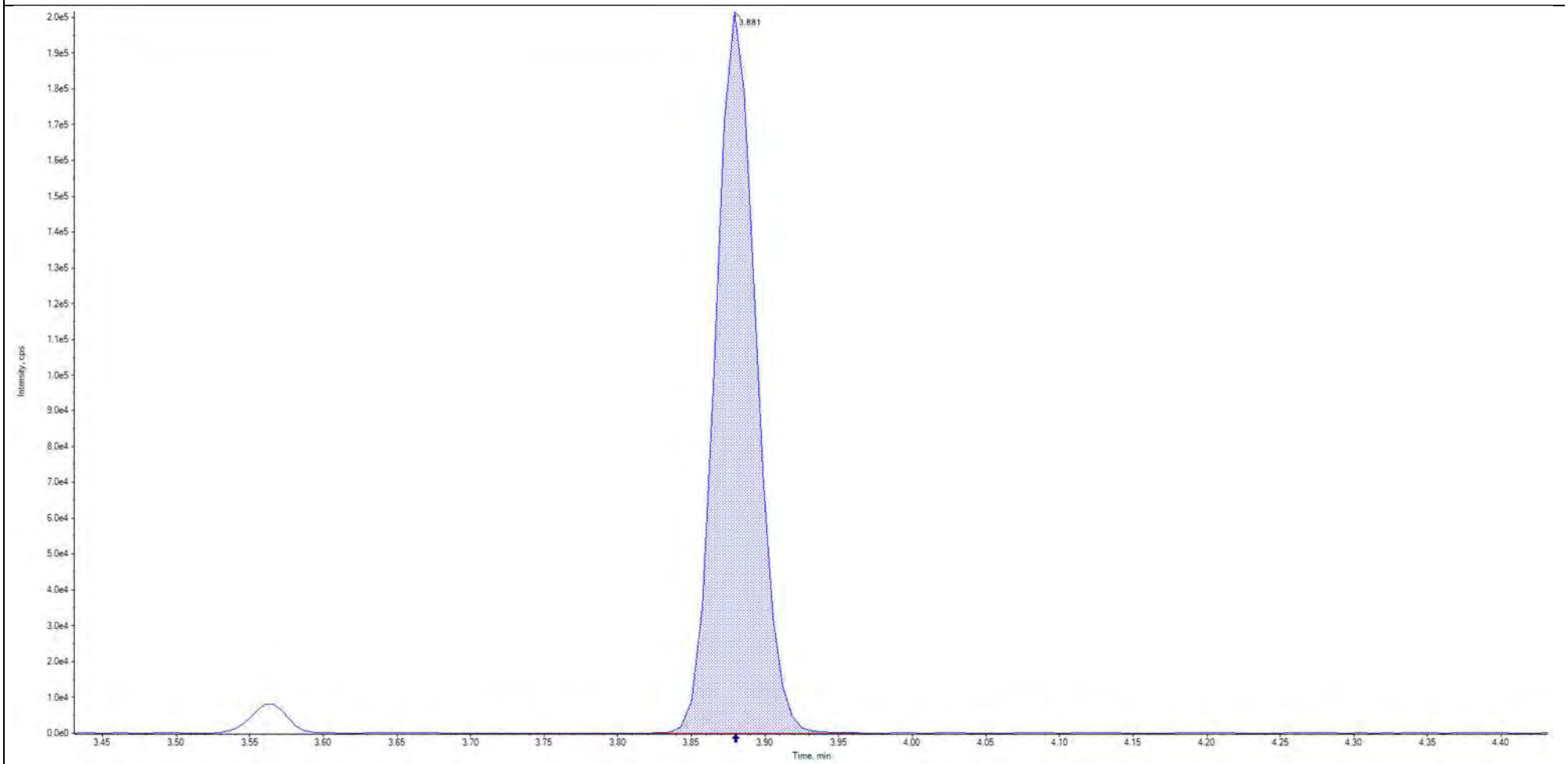
13C3-PFBS
Sample: IA1633STD-5



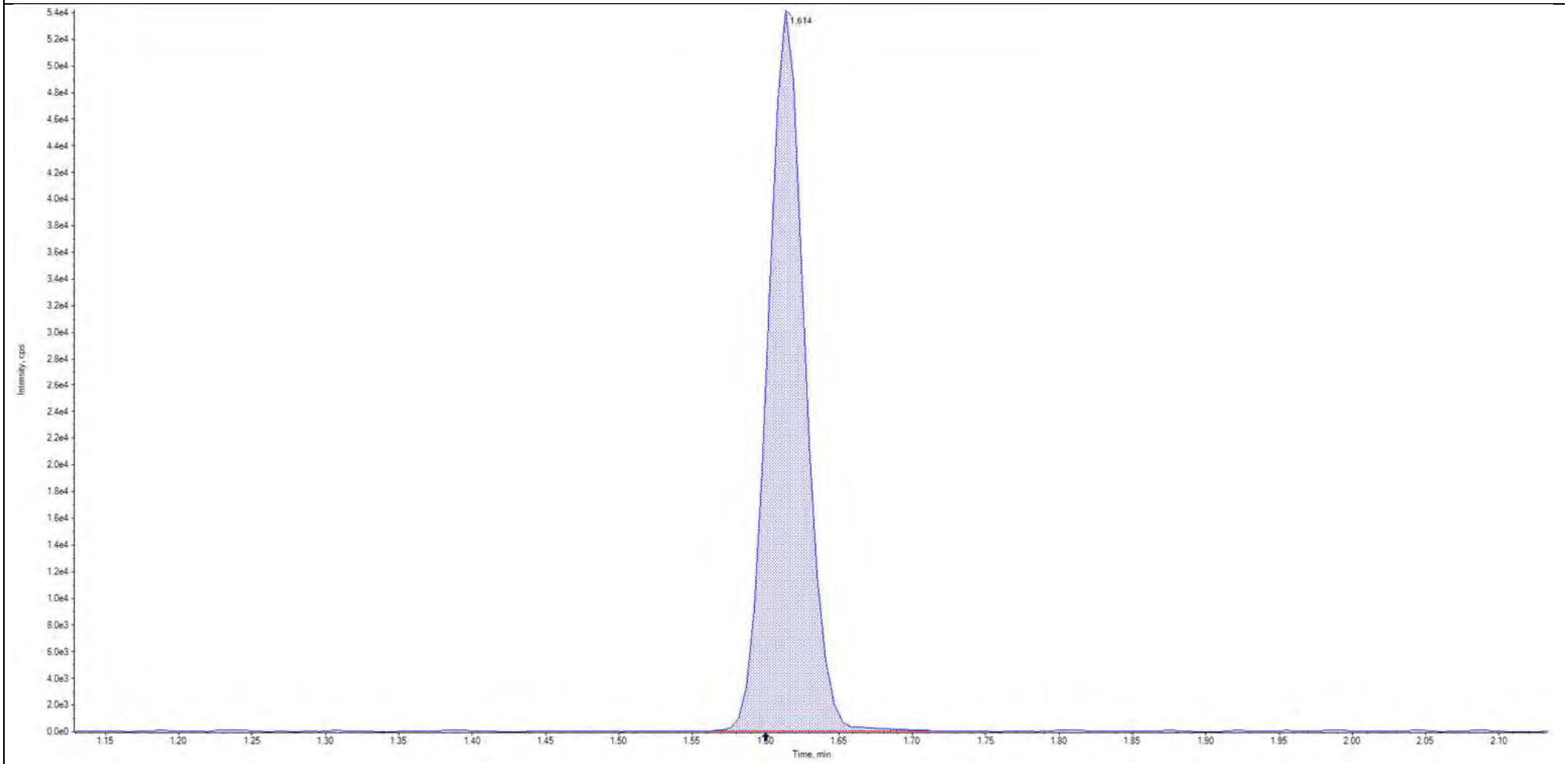
13C3-PFHxS
Sample: IA1633STD-5



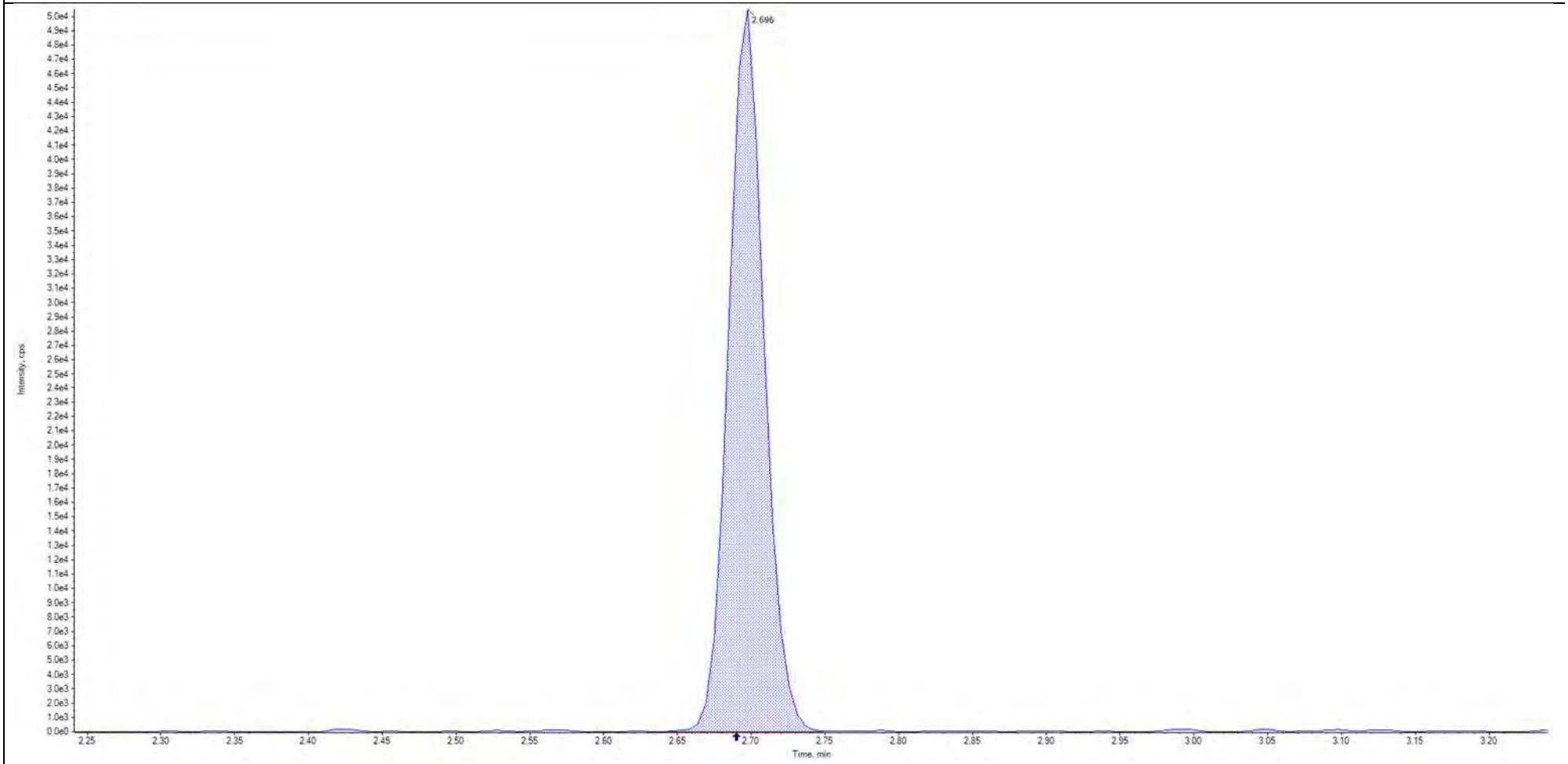
13C8-PFOS
Sample: IA1633STD-5



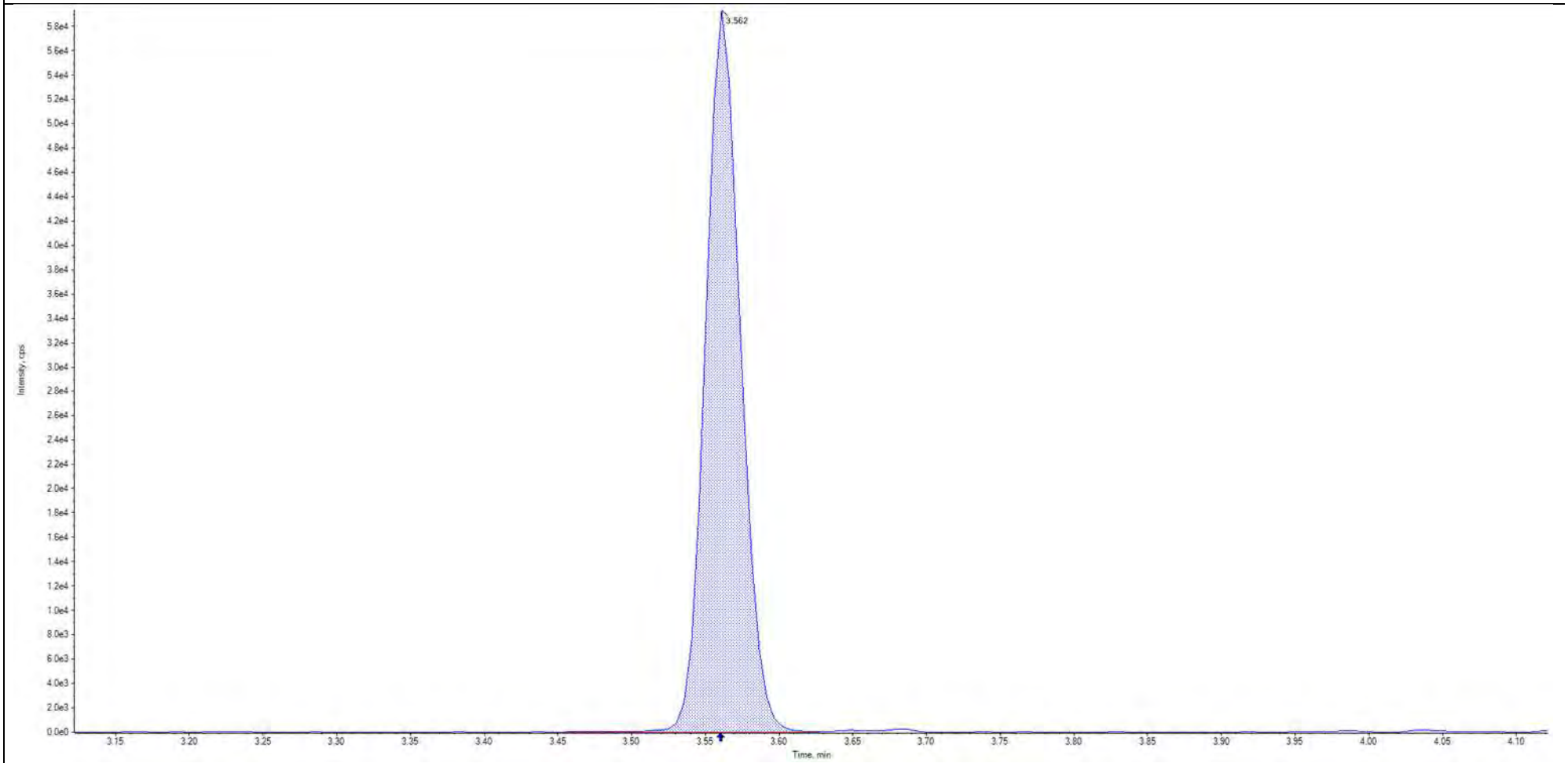
13C2-4:2FTS
Sample: IA1633STD-5



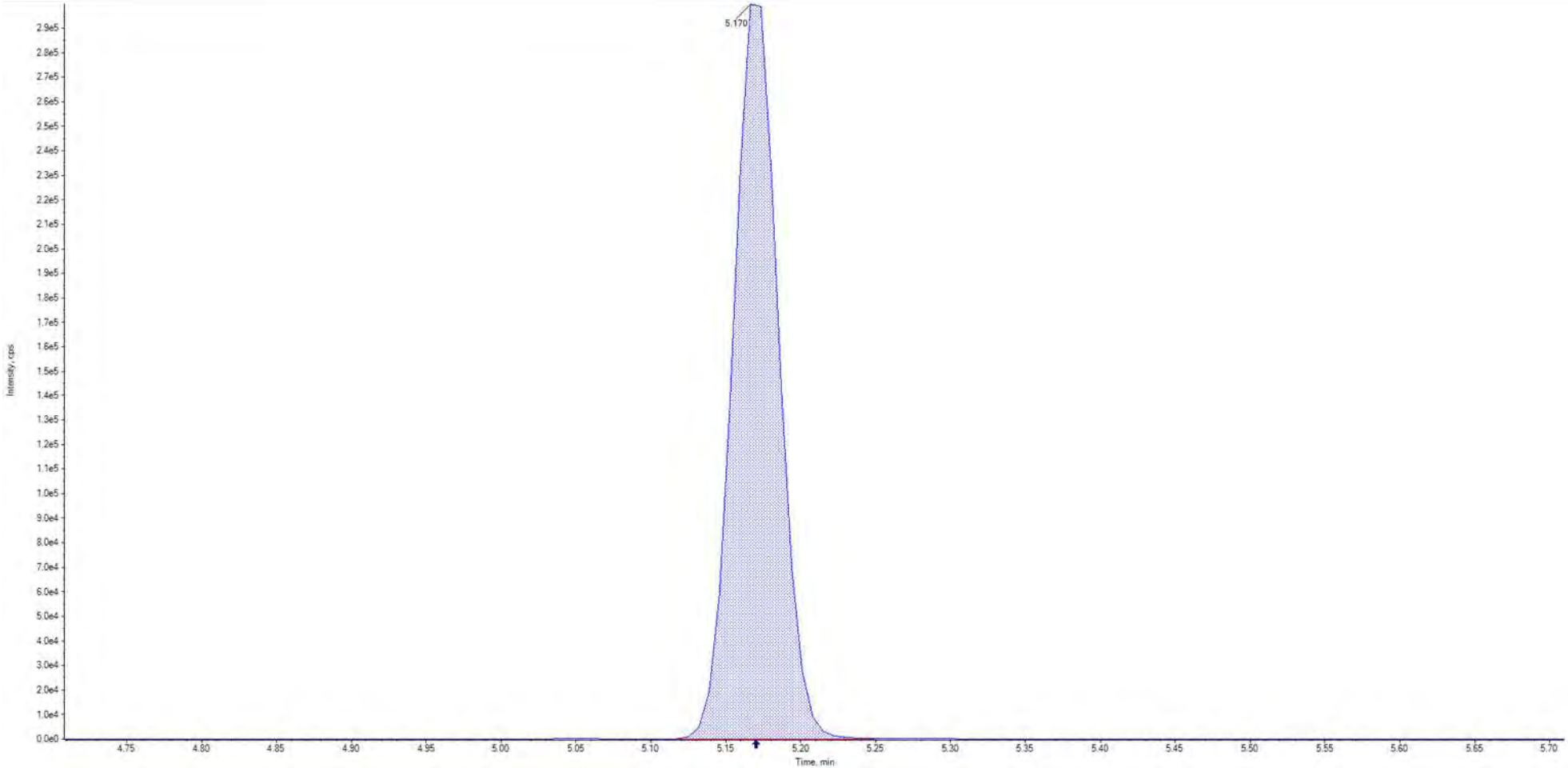
13C2-6:2FTS
Sample: IA1633STD-5



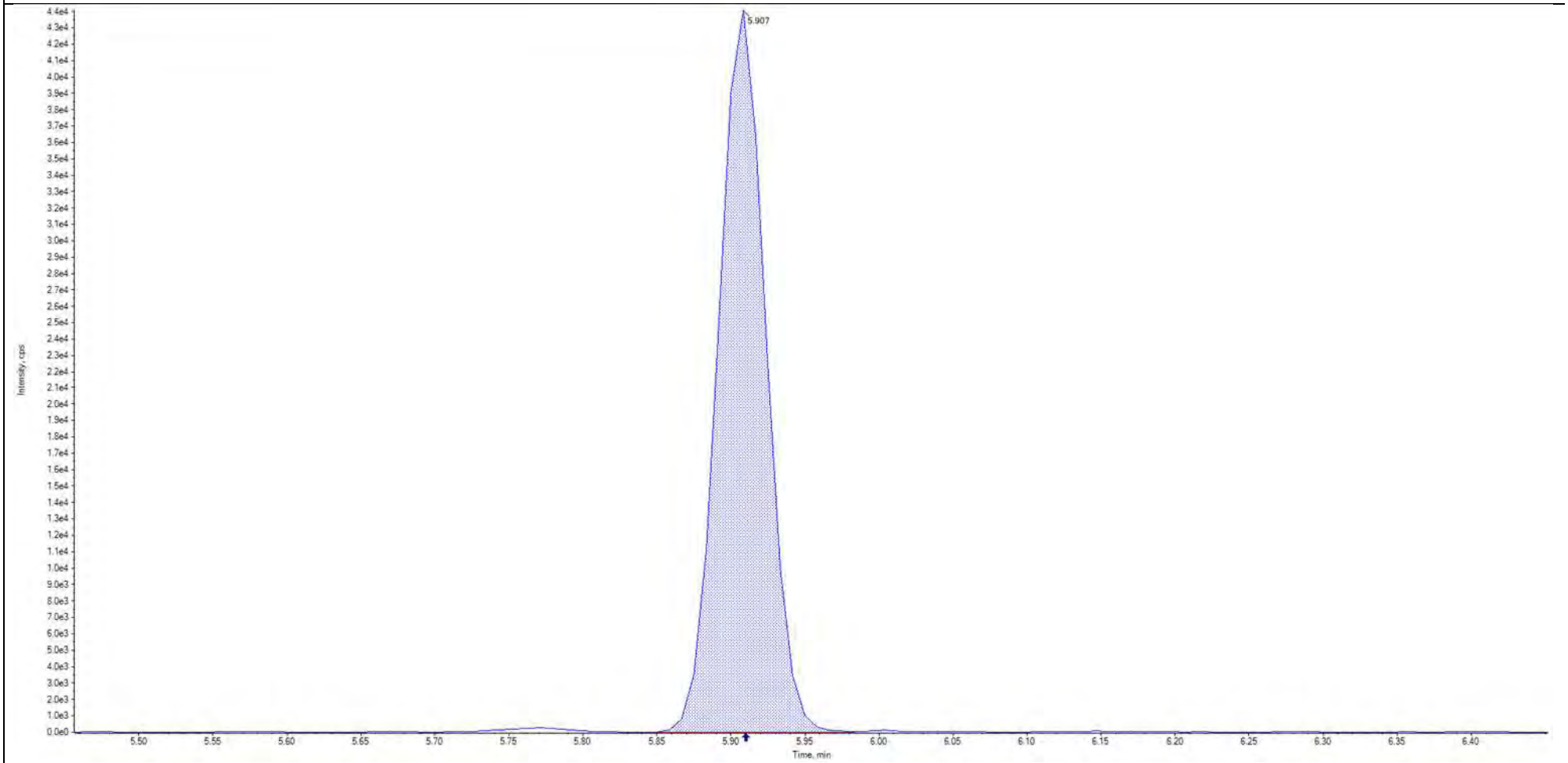
13C2-8:2FTS
Sample: IA1633STD-5



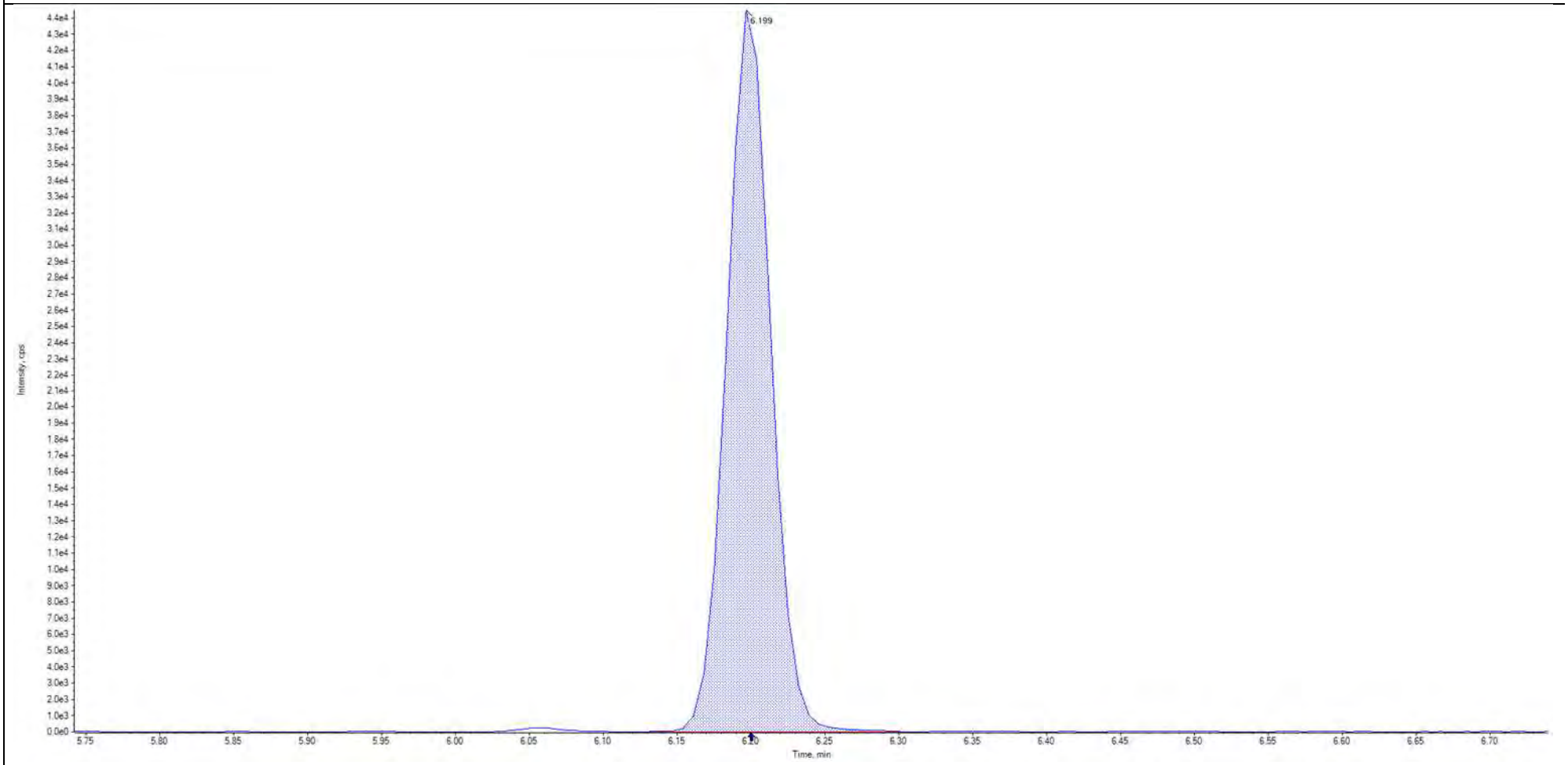
13C8-PFOSA
Sample: IA1633STD-5



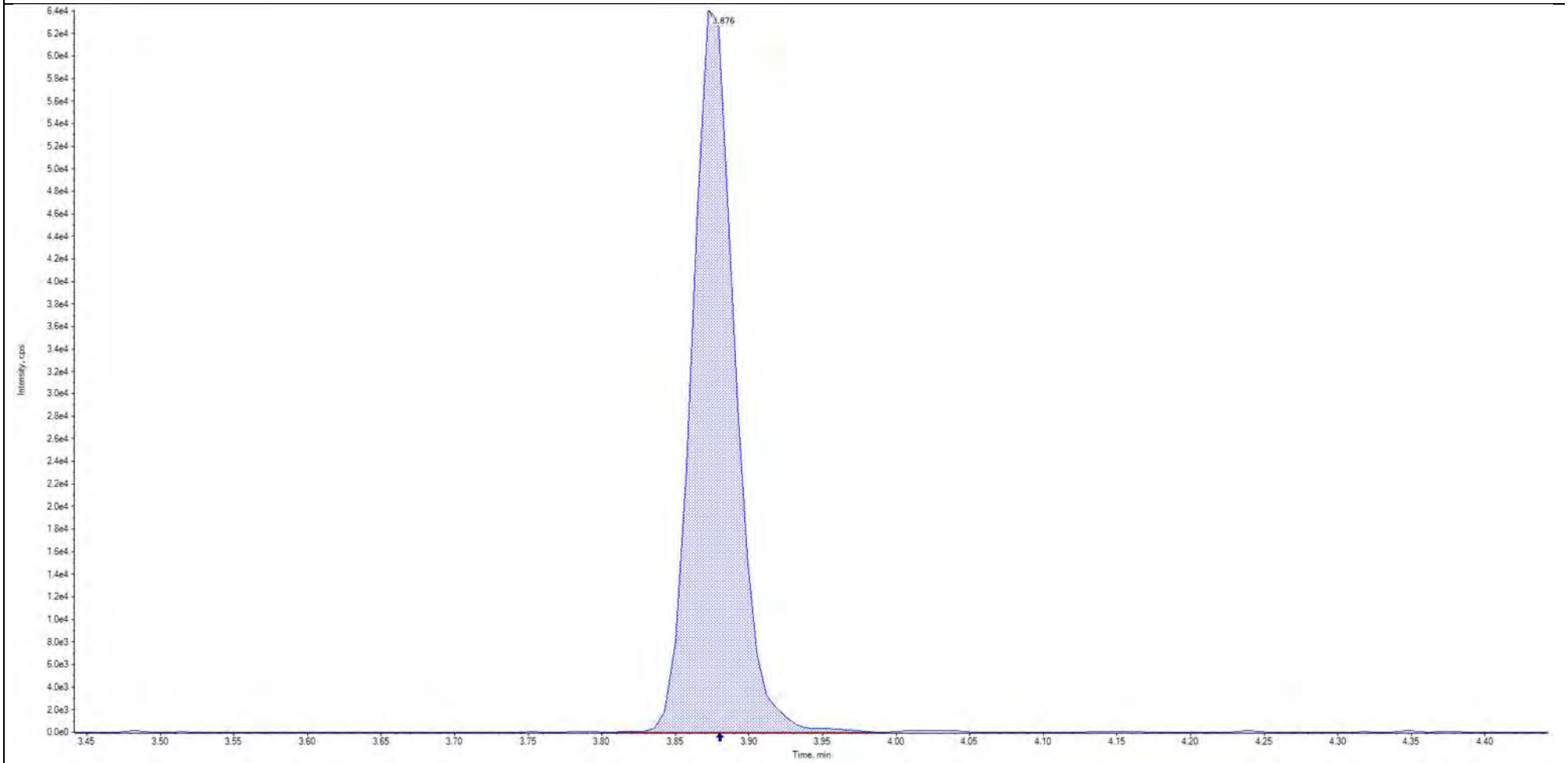
d3-NMeFOSA
Sample: IA1633STD-5



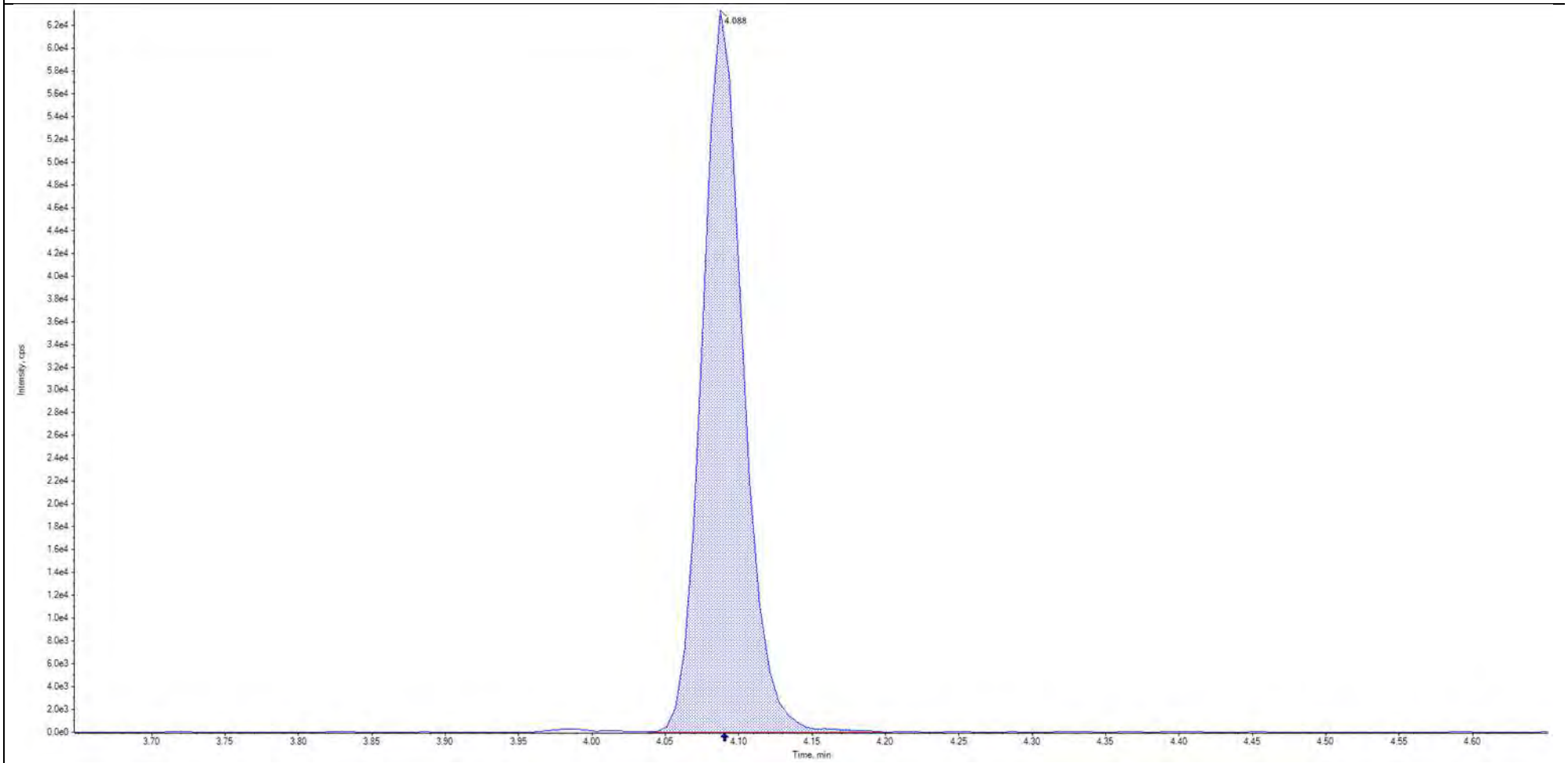
d5-NEtFOSA
Sample: IA1633STD-5



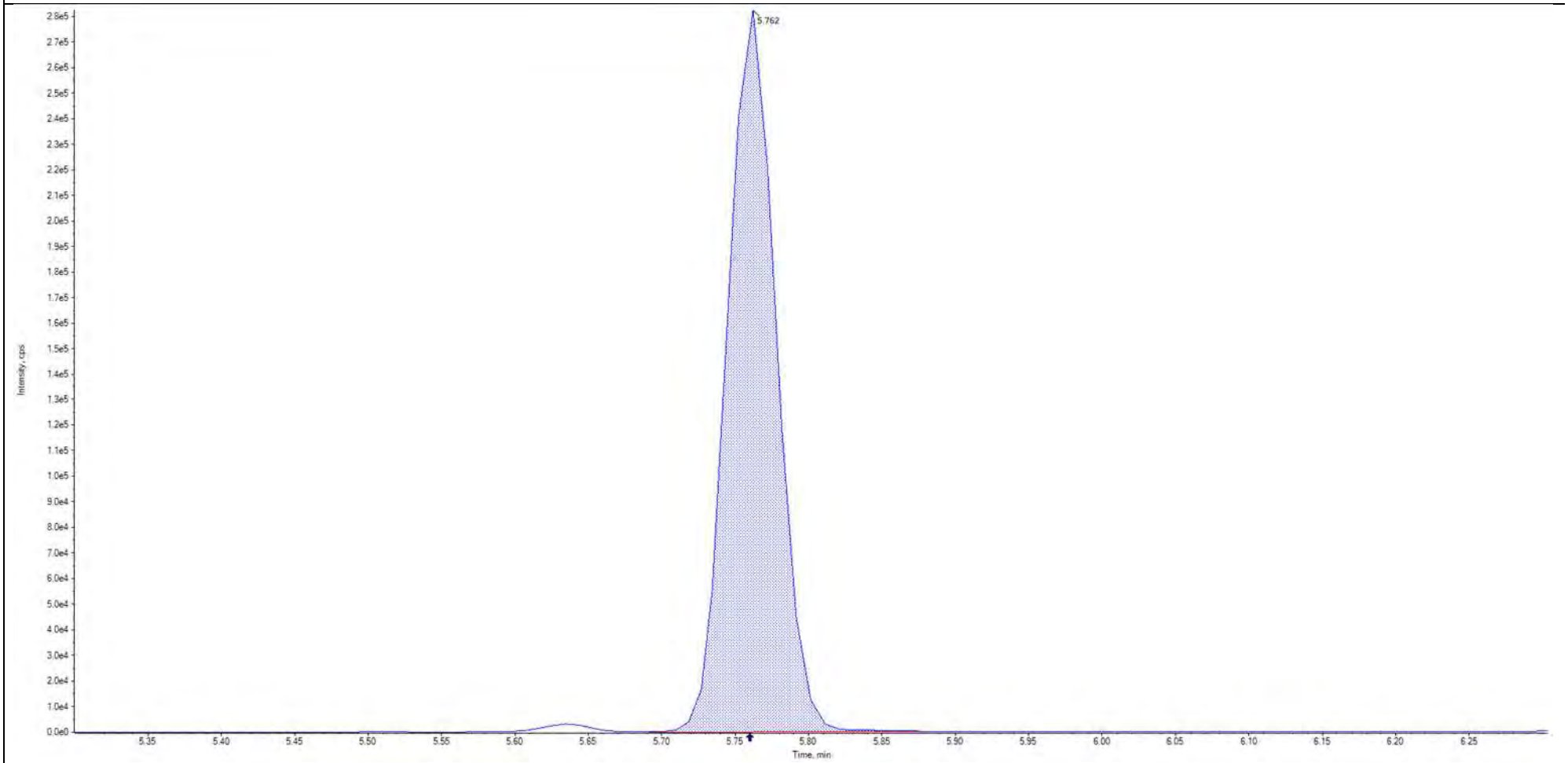
d3-NMeFOSAA
Sample: IA1633STD-5



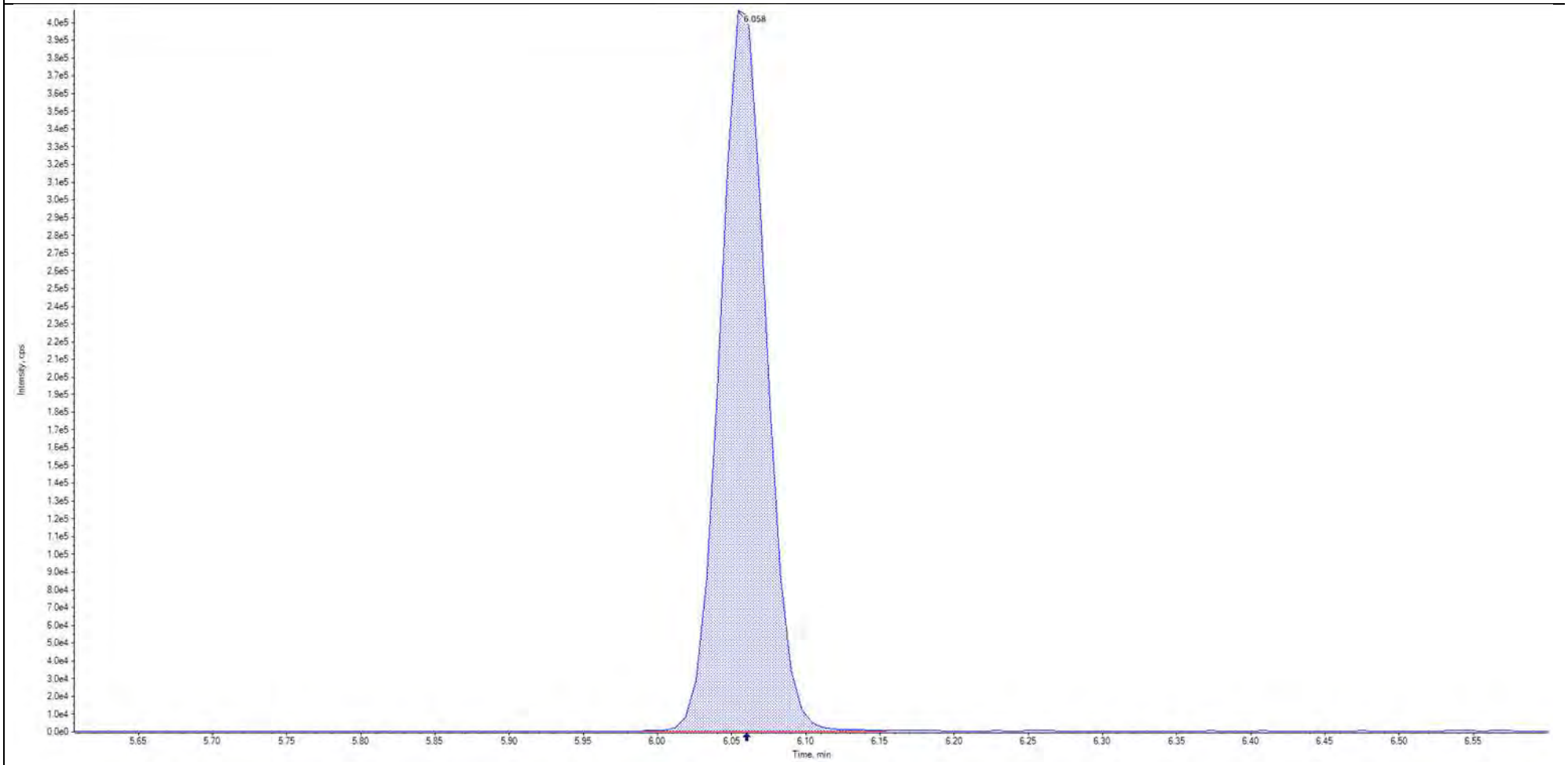
d5-NEtFOSAA
Sample: IA1633STD-5



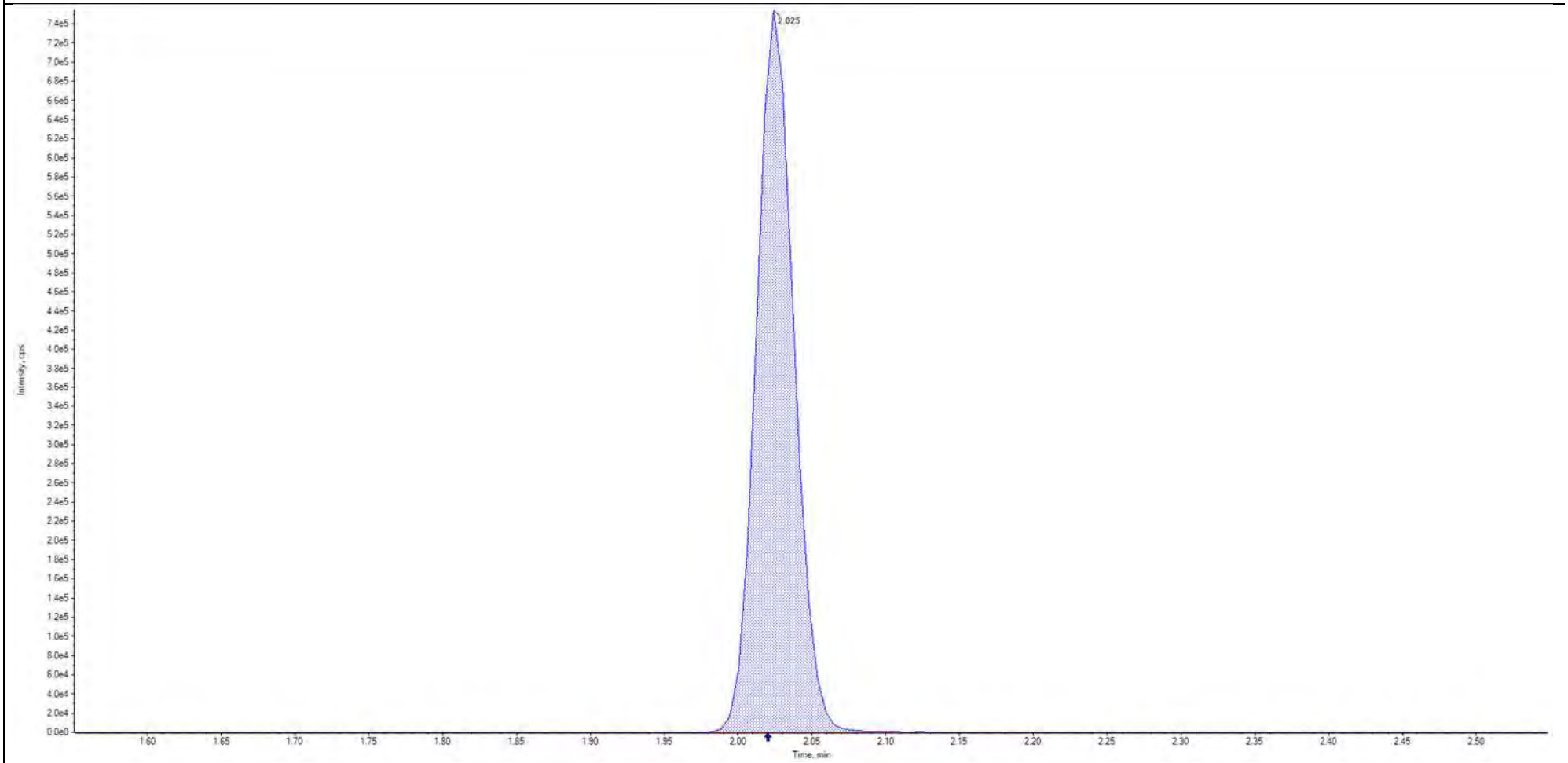
d7-NMeFOSE
Sample: IA1633STD-5



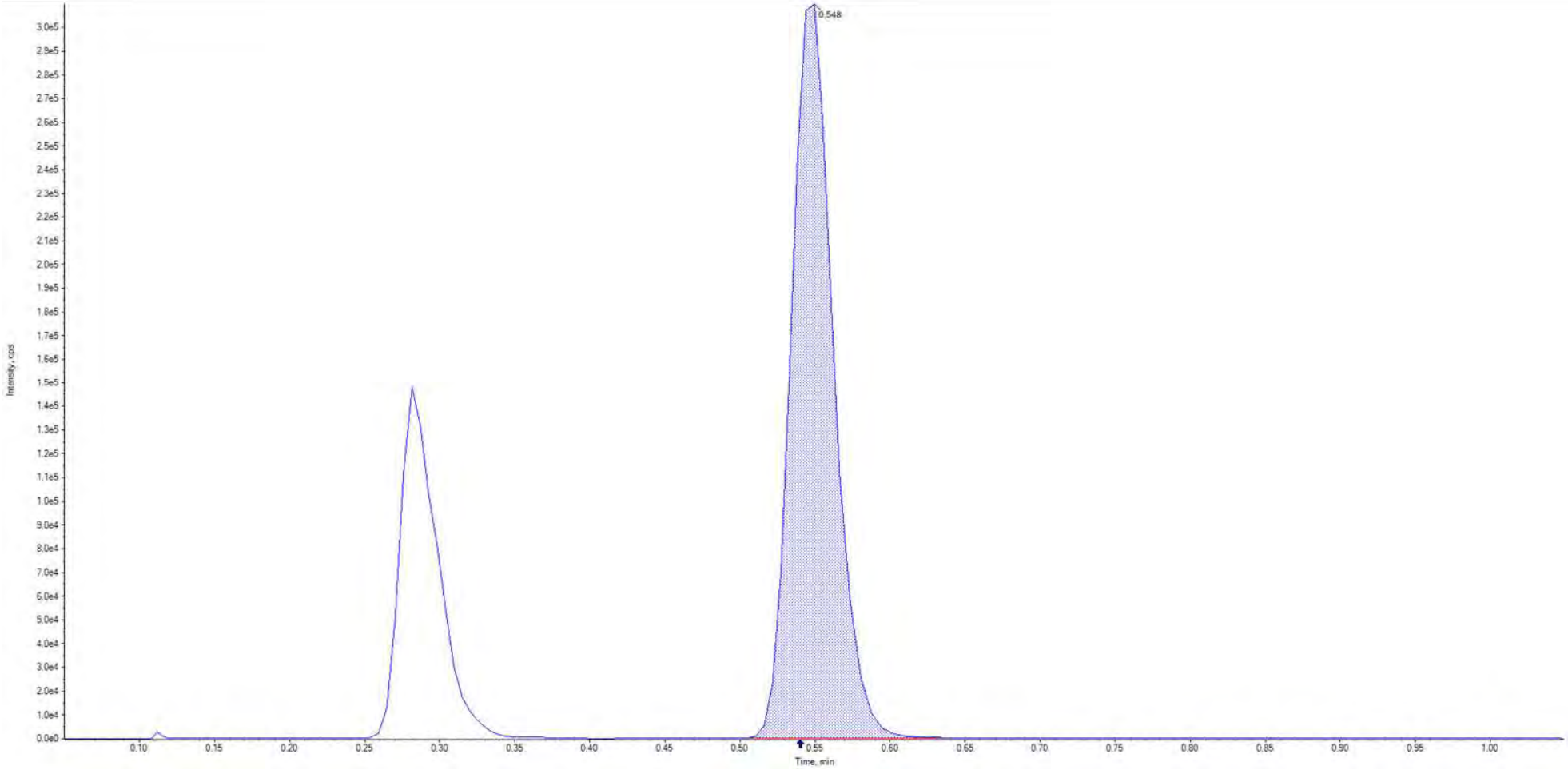
d9-NEtFOSE
Sample: IA1633STD-5



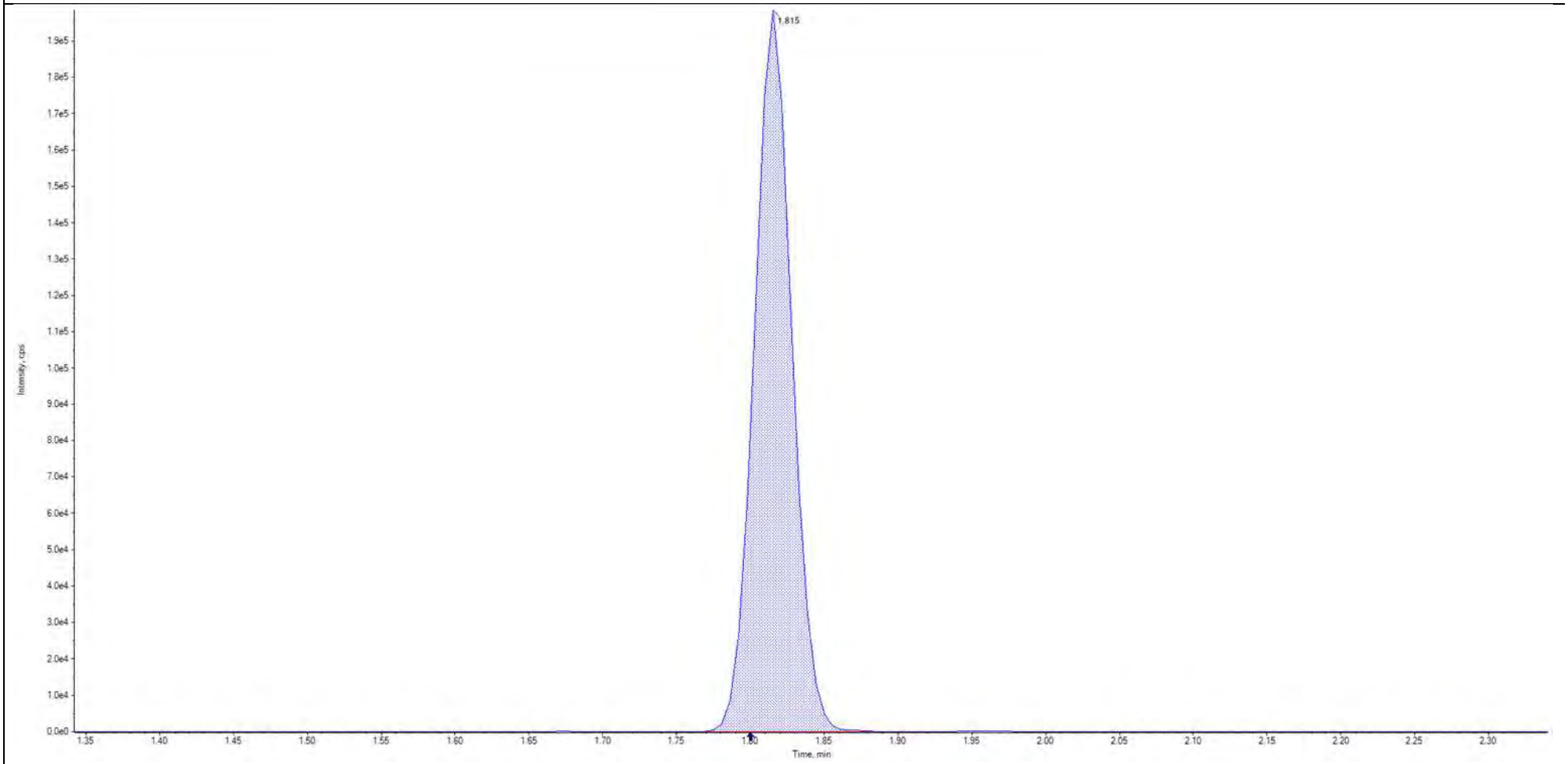
13C3-HFPO-DA
Sample: IA1633STD-5



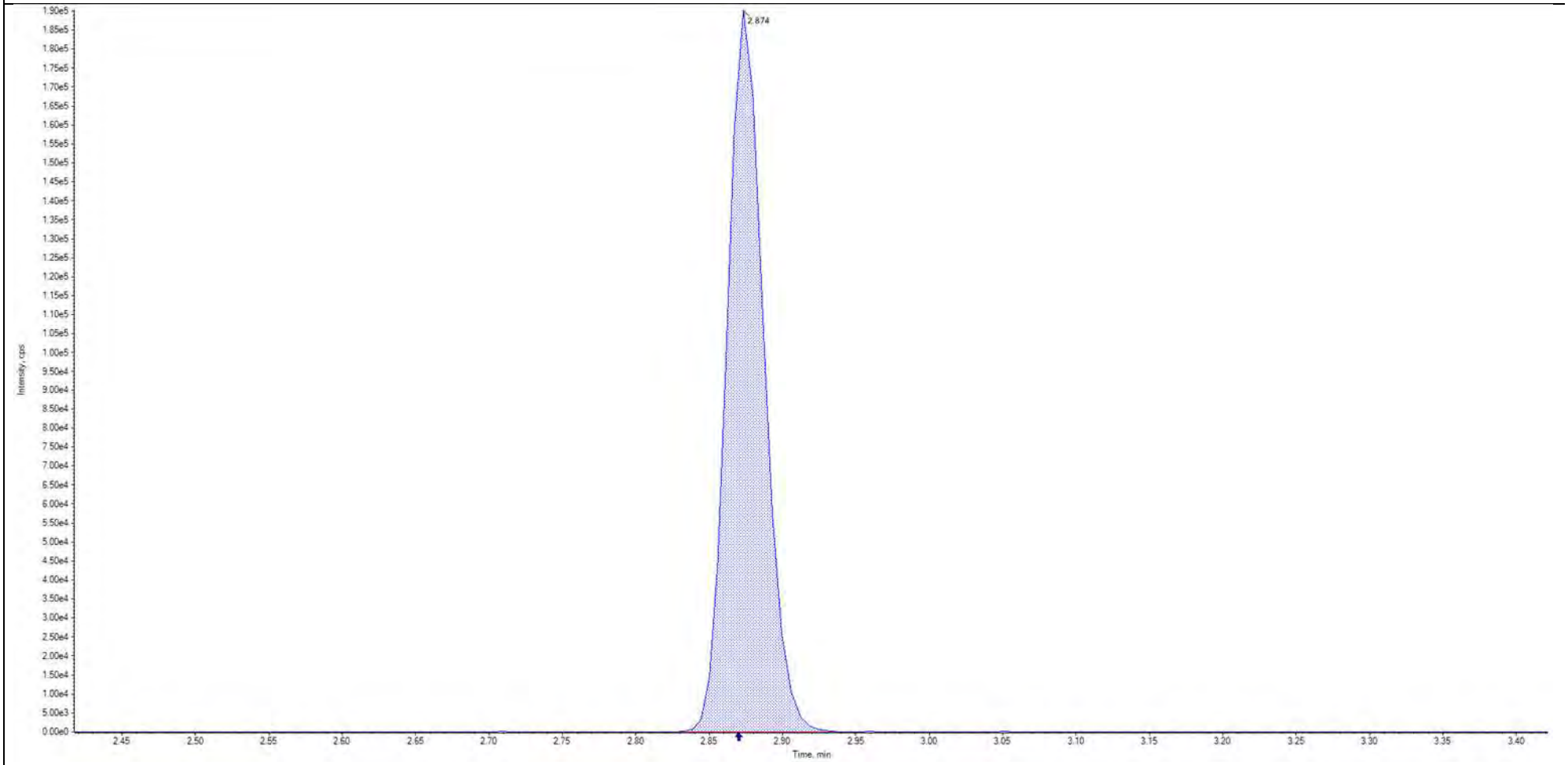
13C3-PFBA
Sample: IA1633STD-5



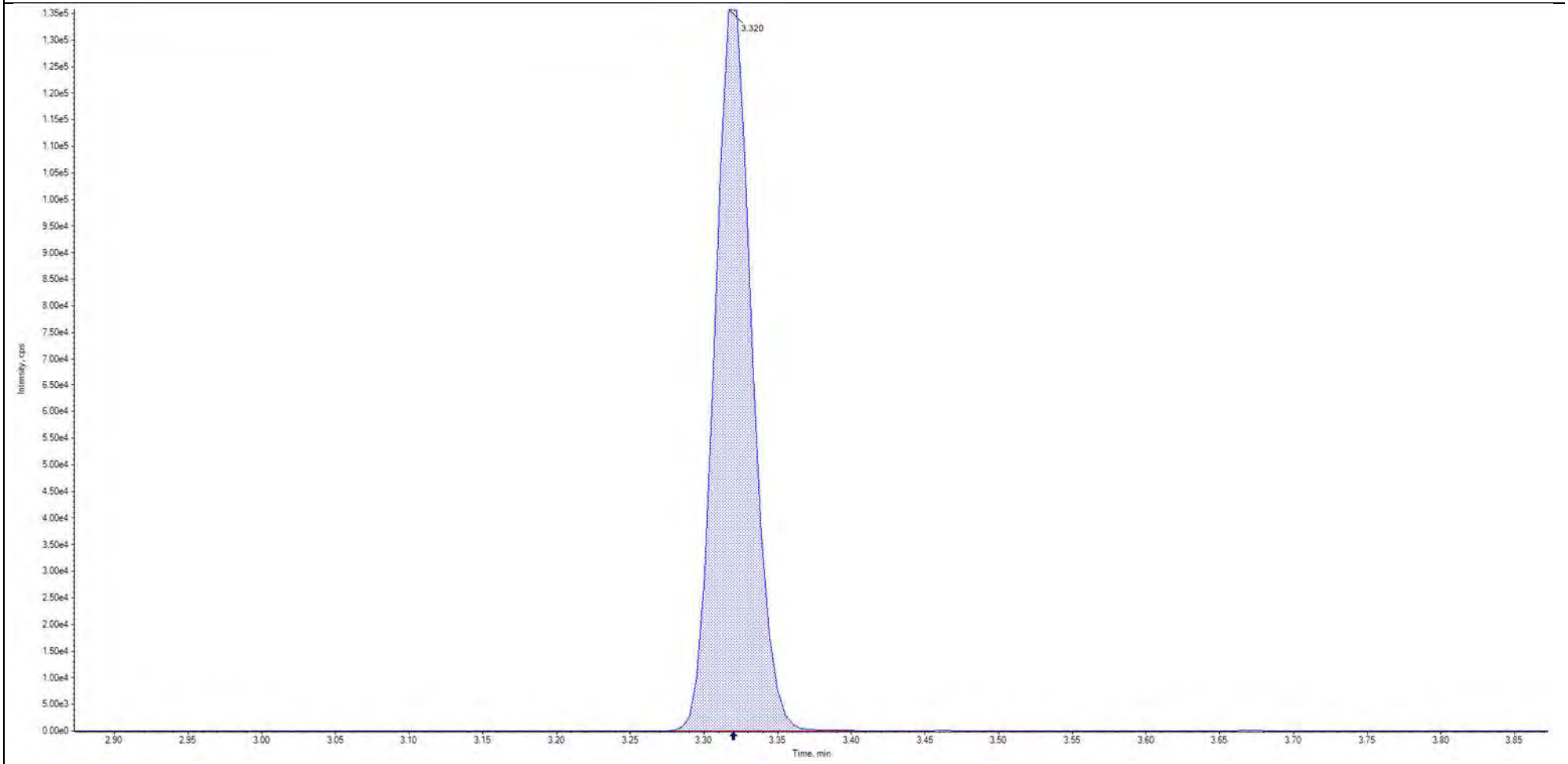
13C2-PFHxA
Sample: IA1633STD-5



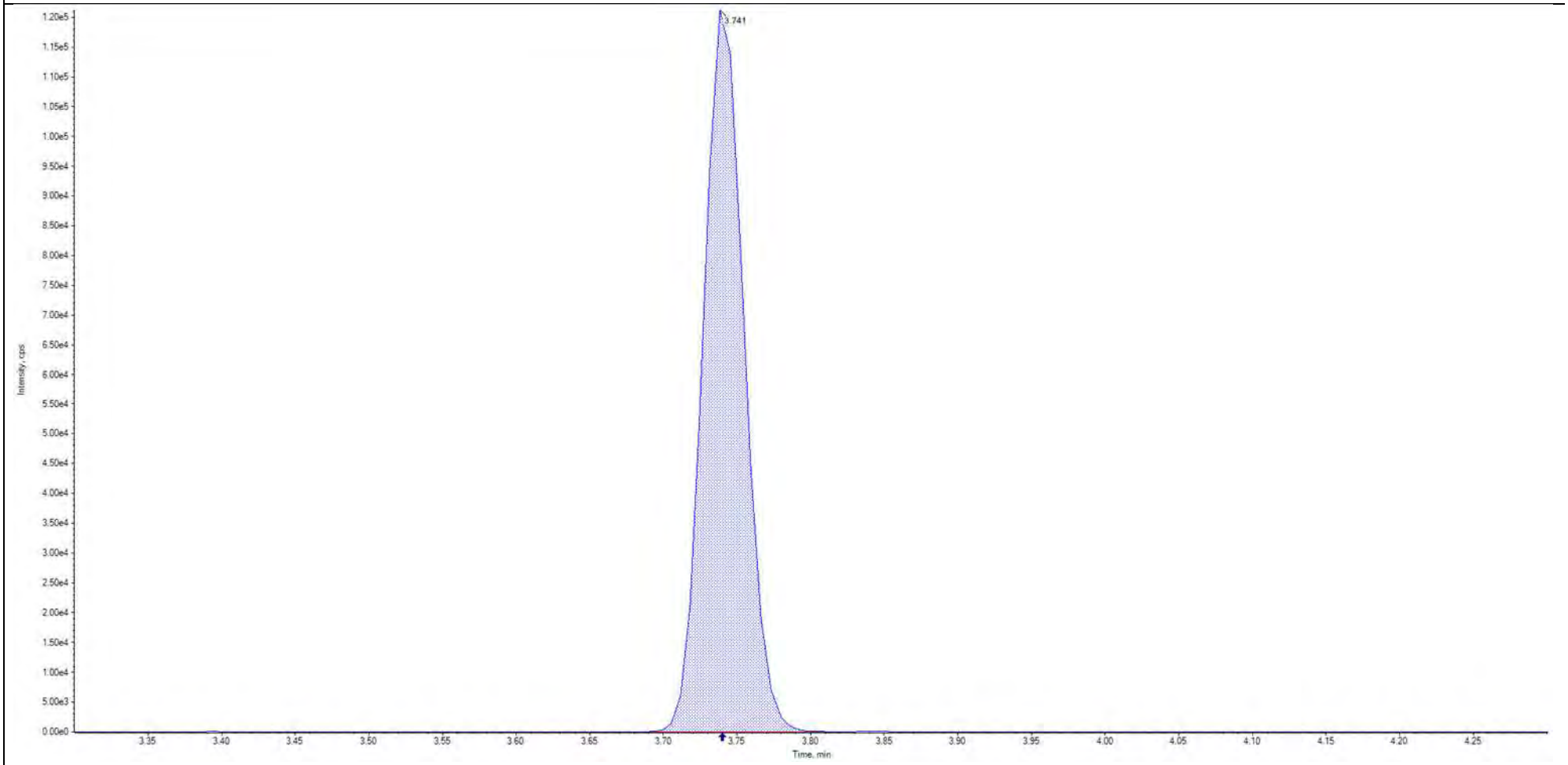
13C4-PFOA
Sample: IA1633STD-5



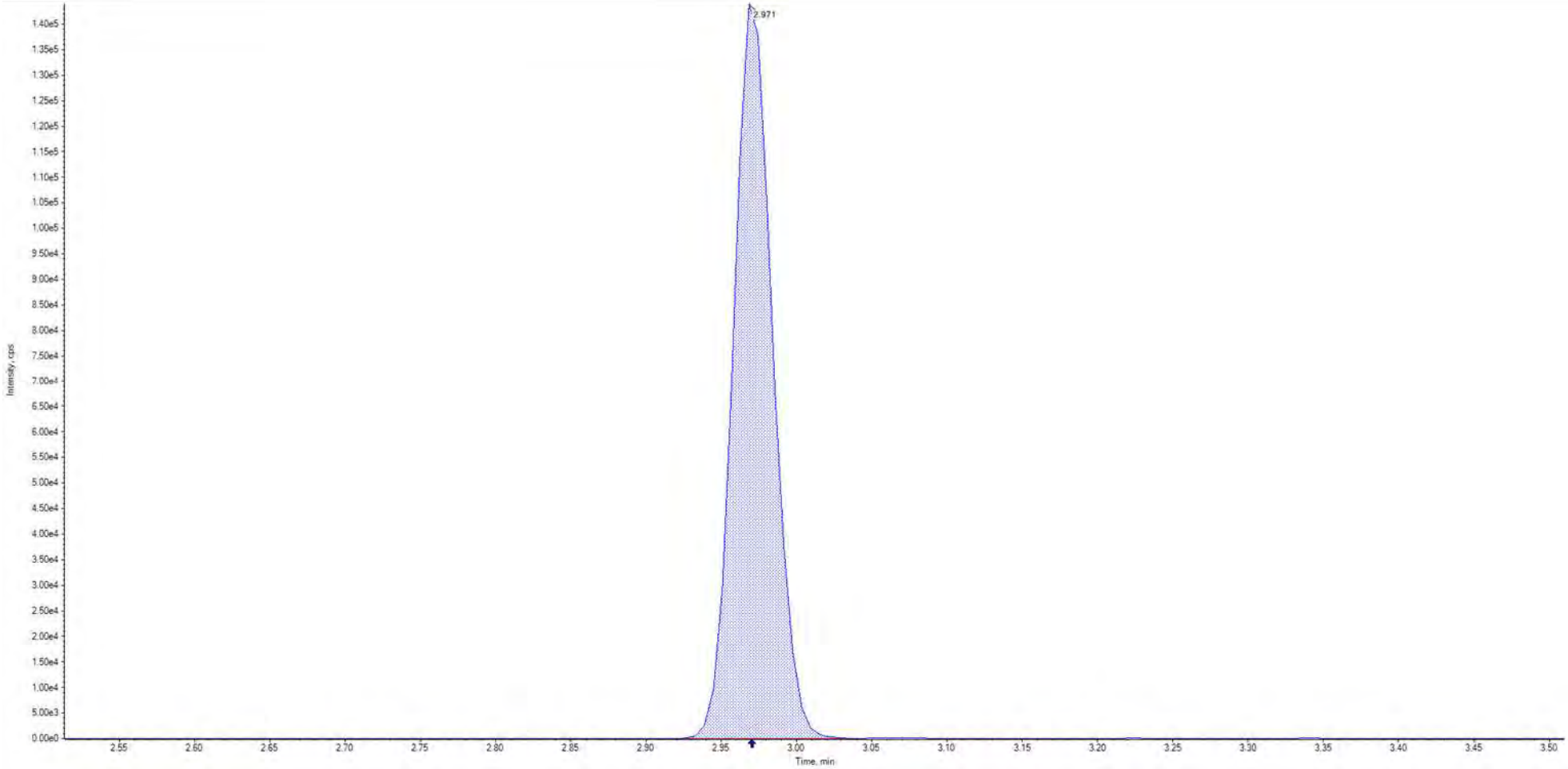
13C5-PFNA
Sample: IA1633STD-5



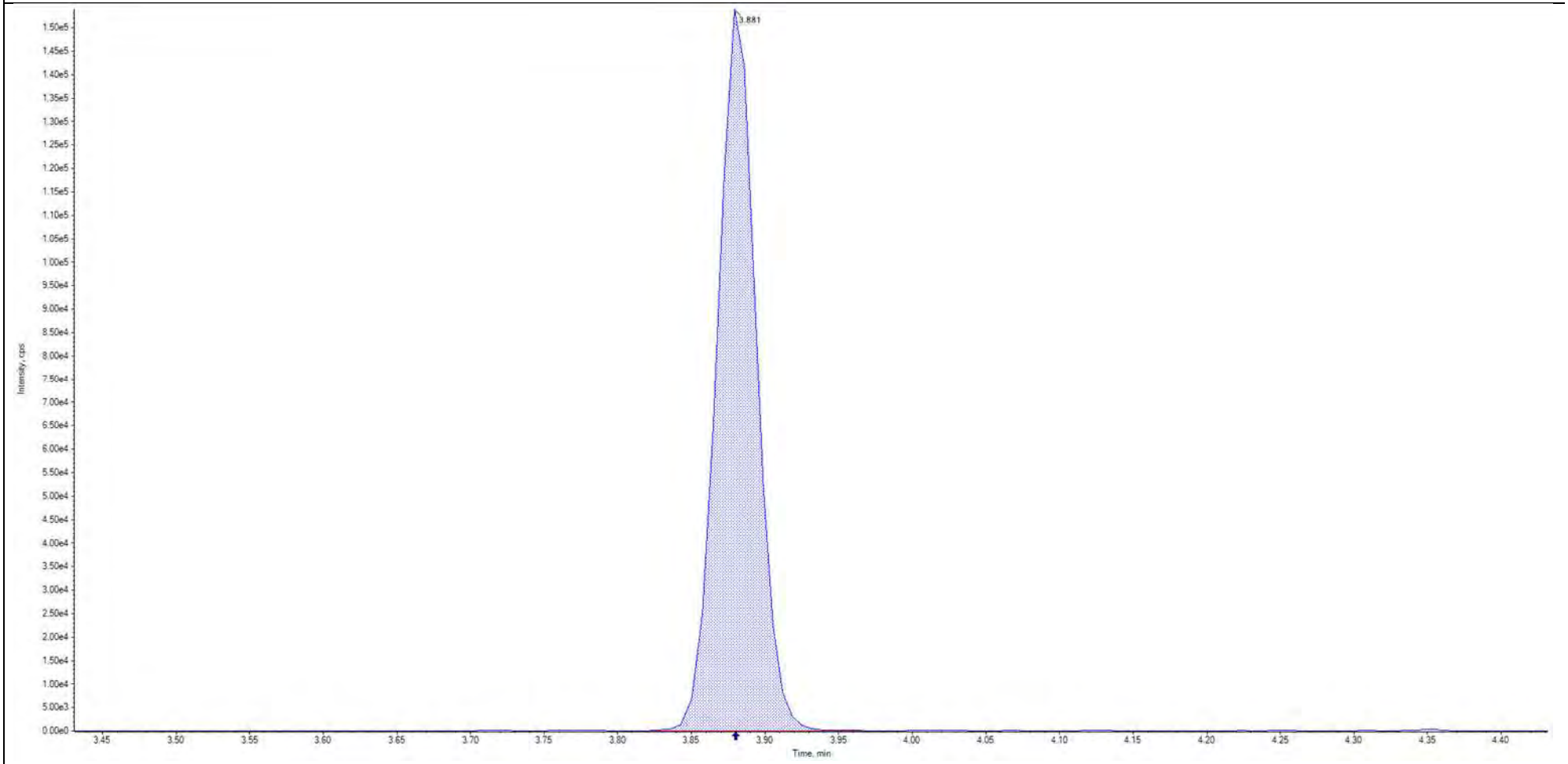
13C2-PFDA
Sample: IA1633STD-5



18O2-PFHxS
Sample: IA1633STD-5



13C4-PFOS
Sample: IA1633STD-5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_20.wiff2_5
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_21.wiff2_6
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

Method: EPA1633F.qmethod
Calibration: 241112_1633_ICAL

ID: IA1633STD-12.5
Name: SCI09_241112_21.wiff2
Date & Time: 2024-11-12T14:32:02
Description: WG1996415
Instrument: SCIEX Triple Quad 5500+
User: LCMS09:PNB

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.55	213.0 / 169.0	6514793		52.724	N/A	N/A	N/A	105.5
2	PFPeA	2706-90-3	1.08	263.0 / 219.0	2995329		27.262	0.008	N/A	N/A	109.1
3	PFPeA_2	2706-90-3	1.08	263.0 / 68.9	22907		23.921	0.008	N/A	N/A	95.7
4	PFHxA	307-24-4	1.82	313.0 / 269.0	1964194		13.205	0.091	0.089	Pass	105.6
5	PFHxA_2	307-24-4	1.82	313.0 / 119.0	178856		13.239	0.091	0.089	Pass	105.9
6	PFHpA	375-85-9	2.40	363.1 / 319.0	2357143		13.818	0.385	0.384	Pass	110.5
7	PFHpA_2	375-85-9	2.40	363.1 / 169.0	906398		13.659	0.385	0.384	Pass	109.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	2.89	413.1 / 369.1	2410473	M5	14.505	0.404	0.410	Pass	116.0
9	PFOA_2	335-67-1	2.89	413.1 / 169.0	973428	M5	14.318	0.404	0.410	Pass	114.6
10	PFNA	375-95-1	3.33	462.8 / 418.9	2421412	M5	13.233	0.332	0.341	Pass	105.9
11	PFNA_2	375-95-1	3.33	462.8 / 219.0	804147	M5	12.746	0.332	0.341	Pass	102.0
12	PFDA	335-76-2	3.75	513.1 / 469.1	2642505		14.207	0.191	0.215	Pass	113.7
13	PFDA_2	335-76-2	3.75	513.1 / 219.0	505006		14.424	0.191	0.215	Pass	115.4
14	PFUnA	2058-94-8	4.15	563.1 / 519.1	2676399		13.499	0.159	0.151	Pass	108.0
15	PFUnA_2	2058-94-8	4.15	563.1 / 269.0	424904		14.398	0.159	0.151	Pass	115.2
16	PFDoA	307-55-1	4.54	613.1 / 569.1	3162839		13.738	0.142	0.140	Pass	109.9
17	PFDoA_2	307-55-1	4.54	613.1 / 319.0	449383		13.892	0.142	0.140	Pass	111.1
18	PFTrDA	72629-94-8	4.92	663.1 / 619.1	2889335		13.785	0.155	0.159	Pass	110.3
19	PFTrDA_2	72629-94-8	4.92	663.1 / 169.0	447286		13.791	0.155	0.159	Pass	110.3
20	PFTeDA	376-06-7	5.28	713.1 / 669.1	2559704		13.857	0.165	0.159	Pass	110.9
21	PFTeDA_2	376-06-7	5.28	713.1 / 169.0	423520		14.345	0.165	0.159	Pass	114.8
22	PFBS	375-73-5	1.81	299.1 / 80.1	1788641		12.371	0.372	0.398	Pass	111.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	1.81	299.1 / 99.1	665932		13.219	0.372	0.398	Pass	112.0
24	PFPeS	2706-91-4	2.45	349.1 / 80.1	1839360		13.065	0.308	0.285	Pass	110.7
25	PFPeS_2	2706-91-4	2.45	349.1 / 99.1	567334		12.873	0.308	0.285	Pass	109.1
26	PFHxS	355-46-4	2.98	399.1 / 80.1	1636662	M5	12.104	0.295	0.293	Pass	106.2
27	PFHxS_2	355-46-4	2.98	399.1 / 99.1	483468		12.438	0.295	0.293	Pass	109.1
28	PFHpS	375-92-8	3.45	449.1 / 80.1	1770809		13.092	0.306	0.308	Pass	110.0
29	PFHpS_2	375-92-8	3.45	449.1 / 99.1	542124		13.725	0.306	0.308	Pass	115.3
30	PFOS	1763-23-1	3.89	499.1 / 80.1	1975645	M5	12.591	0.233	0.241	Pass	108.5
31	PFOS_2	1763-23-1	3.89	499.1 / 99.1	460156	M5	12.103	0.233	0.241	Pass	104.3
32	PFNS	68259-12-1	4.30	549.1 / 80.1	1503450		13.314	0.304	0.299	Pass	111.0
33	PFNS_2	68259-12-1	4.30	549.1 / 99.1	456453		13.868	0.304	0.299	Pass	115.6
34	PFDS	335-77-3	4.69	599.1 / 80.1	1631743		13.591	0.279	0.274	Pass	112.3
35	PFDS_2	335-77-3	4.69	599.1 / 99.1	455050		13.267	0.279	0.274	Pass	109.7
36	PFDoS	79780-39-5	5.43	699.2 / 80.1	1369210		13.105	0.254	0.247	Pass	108.3
37	PFDoS_2	79780-39-5	5.43	699.2 / 99.1	347341		12.964	0.254	0.247	Pass	107.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	1.62	327.1 / 307.1	1601666		50.084	0.616	0.634	Pass	106.8
39	4:2FTS_2	757124-72-4	1.62	327.1 / 81.1	986838		48.823	0.616	0.634	Pass	104.1
40	6:2FTS	27619-97-2	2.70	427.2 / 407.2	1487213		53.380	0.597	0.609	Pass	112.1
41	6:2FTS_2	27619-97-2	2.70	427.2 / 81.1	887366		51.270	0.597	0.609	Pass	107.7
42	8:2FTS	39108-34-4	3.57	527.2 / 507.2	1393143		53.561	0.658	0.681	Pass	111.6
43	8:2FTS_2	39108-34-4	3.57	527.2 / 81.1	917078		54.407	0.658	0.681	Pass	113.4
44	PFOSA	754-91-6	5.17	498.1 / 78.1	2691685	M5	13.668	0.024	0.024	Pass	109.4
45	PFOSA_2	754-91-6	5.17	498.1 / 478.0	64280	M5	13.225	0.024	0.024	Pass	105.8
46	NMeFOSA	31506-32-8	5.92	512.2 / 219.0	625203	M5	14.414	1.394	1.421	Pass	115.3
47	NMeFOSA_2	31506-32-8	5.87	512.2 / 169.0	871831	M5	13.969	1.394	1.421	Pass	111.8
48	NEtFOSA	4151-50-2	6.21	526.2 / 219.0	572751		13.468	1.282	1.258	Pass	107.7
49	NEtFOSA_2	4151-50-2	6.17	526.2 / 169.0	734096		13.356	1.282	1.258	Pass	106.9
50	NMeFOSAA	2355-31-9	3.88	570.2 / 419.1	283701		14.077	0.704	0.683	Pass	112.6
51	NMeFOSAA_2	2355-31-9	3.88	570.2 / 483.0	199604	M5	14.141	0.704	0.683	Pass	113.1
52	NEtFOSAA	2991-50-6	4.10	584.2 / 419.1	334929	M5	13.949	0.532	0.571	Pass	111.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.10	584.2 / 526.2	178210	M5	12.775	0.532	0.571	Pass	102.2
54	NMeFOSE	24448-09-7	5.78	616.1 / 58.9	7816980	M5	134.346	N/A	N/A	N/A	107.5
55	NEtFOSE	1691-99-2	6.08	630.0 / 58.9	10703251	M5	138.601	N/A	N/A	N/A	110.9
56	HFPO-DA	13252-13-6	2.03	285.0 / 169.0	6943495		54.884	0.541	0.510	Pass	109.8
57	HFPO-DA_2	13252-13-6	2.03	285.0 / 184.9	3758126		55.390	0.541	0.510	Pass	110.8
58	ADONA	919005-14-4	2.58	376.9 / 251.0	10654135		48.155	0.821	0.636	Pass	101.9
59	ADONA_2	919005-14-4	2.58	376.9 / 84.8	8744689		51.977	0.821	0.636	Pass	110.0
60	9Cl-PF3ONS	756426-58-1	4.17	530.8 / 351.1	14697257		52.018	0.338	0.326	Pass	111.4
61	9Cl-PF3ONS_2	756426-58-1	4.17	532.8 / 353.0	4973826		52.661	0.338	0.326	Pass	112.8
62	11Cl-PF3OUdS	763051-92-9	4.96	630.9 / 451.0	13603433		54.359	0.318	0.318	Pass	115.2
63	11Cl-PF3OUdS_2	763051-92-9	4.96	632.9 / 452.9	4320980		53.917	0.318	0.318	Pass	114.2
64	3:3FTCA	356-02-5	1.45	241.1 / 177.1	615920		69.561	1.060	1.068	Pass	111.3
65	3:3FTCA_2	356-02-5	1.45	241.1 / 117.0	653096		68.816	1.060	1.068	Pass	110.1
66	5:3FTCA	914637-49-3	2.94	341.1 / 237.1	13616312		349.071	1.061	1.045	Pass	111.7
67	5:3FTCA_2	914637-49-3	2.94	341.1 / 217.0	14449238		362.283	1.061	1.045	Pass	115.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	3.97	441.1 / 316.9	12400335		339.548	1.287	1.285	Pass	108.7
69	7:3FTCA_2	812-70-4	3.97	441.1 / 337.1	15962774		337.008	1.287	1.285	Pass	107.8
70	PFEESA	113507-82-7	2.11	315.1 / 135.0	10995544		25.693	0.076	0.081	Pass	115.2
71	PFEESA_2	113507-82-7	2.11	315.1 / 82.9	840996		24.213	0.076	0.081	Pass	108.6
72	PFMPA	377-73-1	0.70	229.0 / 85.0	3520544		27.450	N/A	N/A	N/A	109.8
73	PFMBA	863090-89-5	1.35	279.0 / 85.0	3850108		27.556	N/A	N/A	N/A	110.2
74	NFDHA	151772-58-6	1.75	295.0 / 201.0	2476750		27.548	0.740	0.681	Pass	110.2
75	NFDHA_2	151772-58-6	1.75	295.0 / 84.9	1833042		28.309	0.740	0.681	Pass	113.2
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	5.357	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	5.357	N/A	N/A
78	13C2D4-4:2FTS	Surr	1.61	333.2 / 312.1	83917		3.727	N/A	N/A	N/A	74.5
79	13C2-PFOA	Surr	2.88	415.0 / 370.0	246526		1.901	N/A	N/A	N/A	76.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.55	217.0 / 172.0	1449234		9.713	NA	NA	NA	97.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.08	268.0 / 223.0	626987		4.459	NA	NA	NA	89.2
	13C5-PFHxA	EIS	1.82	318.0 / 273.0	324344		2.186	NA	NA	NA	87.4
	13C4-PFHpA	EIS	2.39	367.0 / 322.0	280147		2.262	NA	NA	NA	90.5
	13C8-PFOA	EIS	2.88	420.8 / 376.0	514030		2.249	NA	NA	NA	90.0
	13C9-PFNA	EIS	3.33	472.0 / 427.0	257933		1.203	NA	NA	NA	96.2
	13C6-PFDA	EIS	3.75	519.0 / 474.0	274536		1.243	NA	NA	NA	99.4
	13C7-PFUnA	EIS	4.15	570.0 / 525.0	304637		1.242	NA	NA	NA	99.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.54	615.1 / 570.0	327722		1.251	NA	NA	NA	100.1
	13C2-PFTeDA	EIS	5.28	715.1 / 670.1	233885		1.203	NA	NA	NA	96.2
	13C3-PFBS	EIS	1.81	302.1 / 80.1	336437		2.149	NA	NA	NA	92.2
	13C3-PFHxS	EIS	2.98	402.1 / 80.1	311653		2.247	NA	NA	NA	94.8
	13C8-PFOS	EIS	3.89	507.1 / 80.1	356321		2.304	NA	NA	NA	96.0
	13C2-4:2FTS	EIS	1.62	329.1 / 81.1	95426		4.387	NA	NA	NA	93.5
	13C2-6:2FTS	EIS	2.70	429.2 / 81.1	84821		4.393	NA	NA	NA	92.3
	13C2-8:2FTS	EIS	3.57	529.2 / 81.1	99954		4.374	NA	NA	NA	91.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	5.17	506.1 / 78.1	626511		2.386	NA	NA	NA	95.4
	d3-NMeFOSA	EIS	5.91	515.2 / 219.0	100502		2.337	NA	NA	NA	93.5
	d5-NEtFOSA	EIS	6.20	531.2 / 219.0	95545		2.449	NA	NA	NA	98.0
	d3-NMeFOSAA	EIS	3.88	573.2 / 419.1	127039		4.759	NA	NA	NA	95.2
	d5-NEtFOSAA	EIS	4.09	589.3 / 419.1	127304		4.838	NA	NA	NA	96.8
	d7-NMeFOSE	EIS	5.76	623.2 / 58.9	674775		24.228	NA	NA	NA	96.9
	d9-NEtFOSE	EIS	6.06	639.2 / 58.9	895072		23.883	NA	NA	NA	95.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.03	287.0 / 169.0	1326828		9.156	NA	NA	NA	91.6
	13C3-PFBA	NIS	0.55	216.0 / 172.0	650427		5.129	NA	NA	NA	102.6
	13C2-PFHxA	NIS	1.82	315.0 / 270.0	411665		2.764	NA	NA	NA	110.6
	13C4-PFOA	NIS	2.88	417.0 / 372.0	364393		2.528	NA	NA	NA	101.1
	13C5-PFNA	NIS	3.33	468.0 / 423.0	266990		1.307	NA	NA	NA	104.6
	13C2-PFDA	NIS	3.74	515.1 / 470.1	262195		1.243	NA	NA	NA	99.5
	18O2-PFHxS	NIS	2.98	403.1 / 84.1	289611		2.482	NA	NA	NA	104.7
	13C4-PFOS	NIS	3.88	503.1 / 80.1	308031		2.454	NA	NA	NA	102.3

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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PFBA
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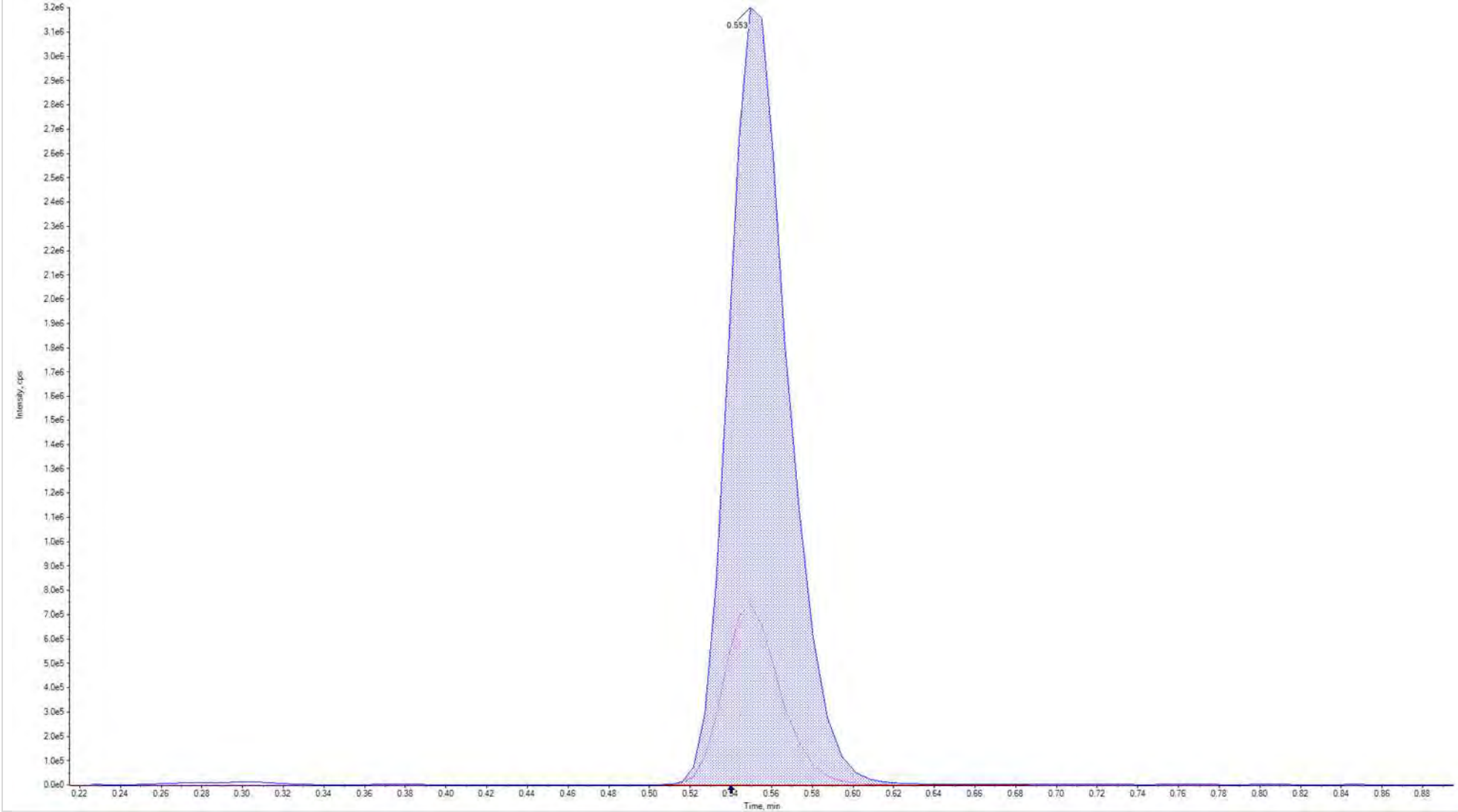

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PFPeA
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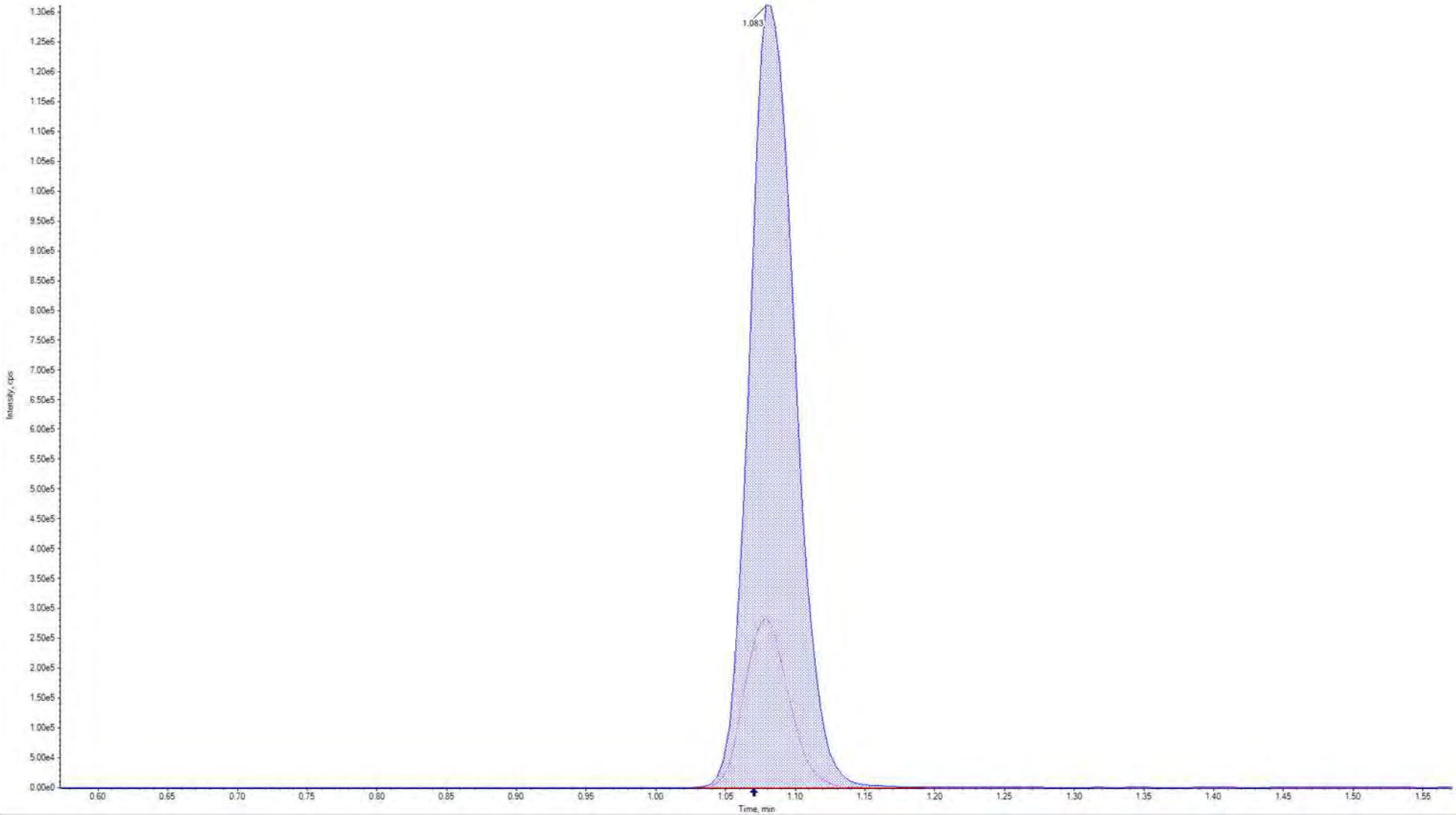

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PFPeA_2
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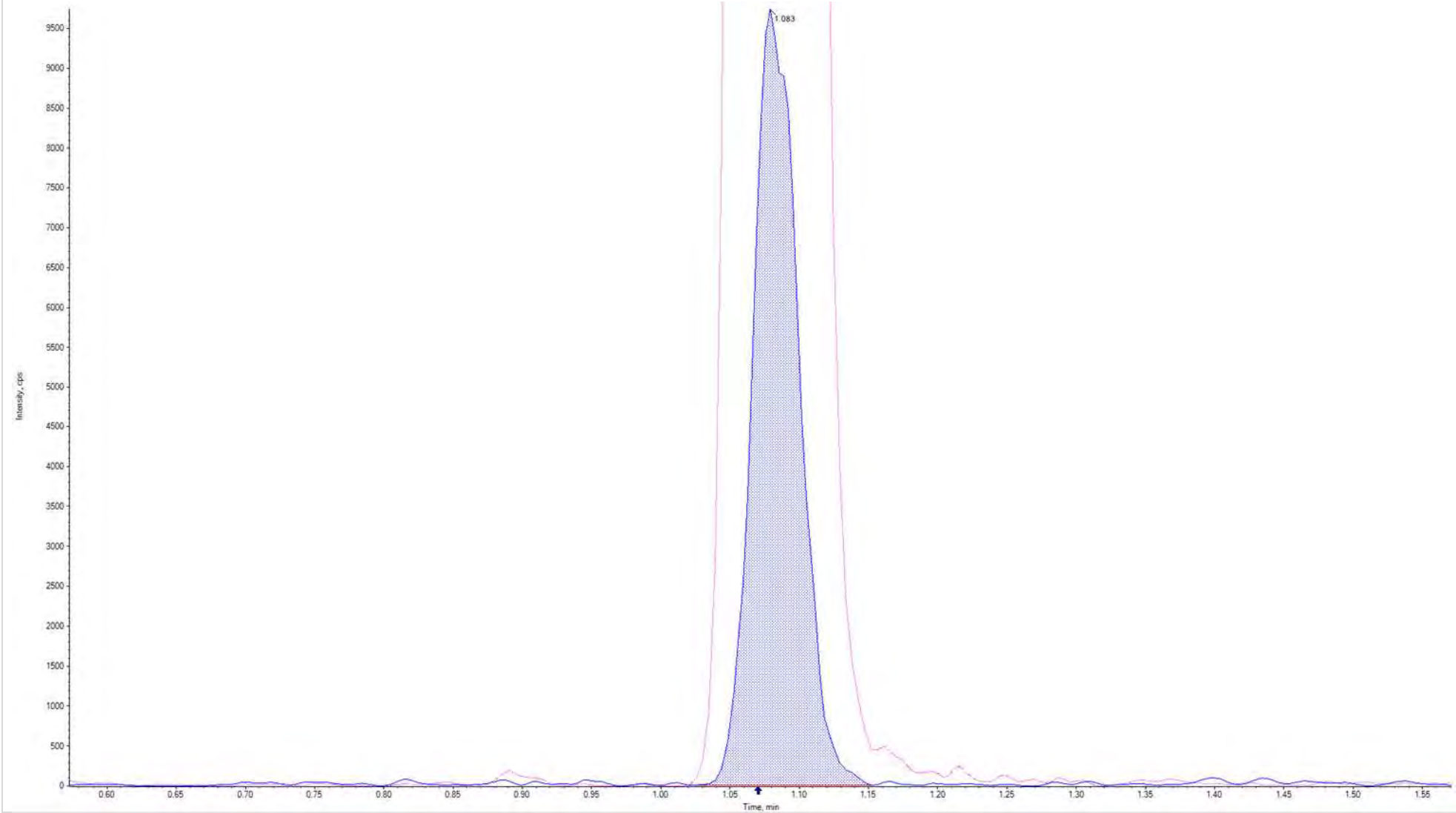

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PFHxA
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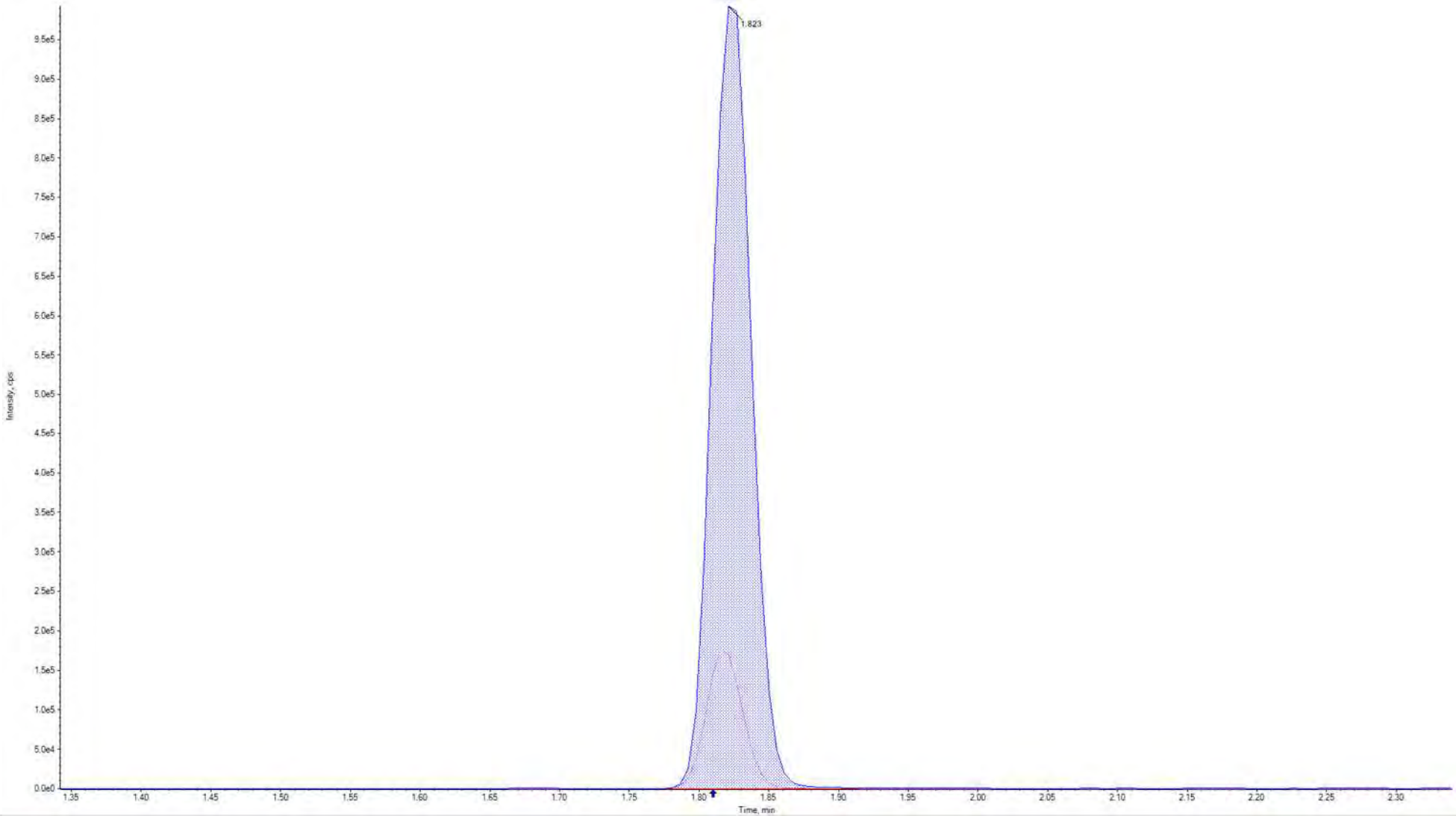

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PFHxA_2
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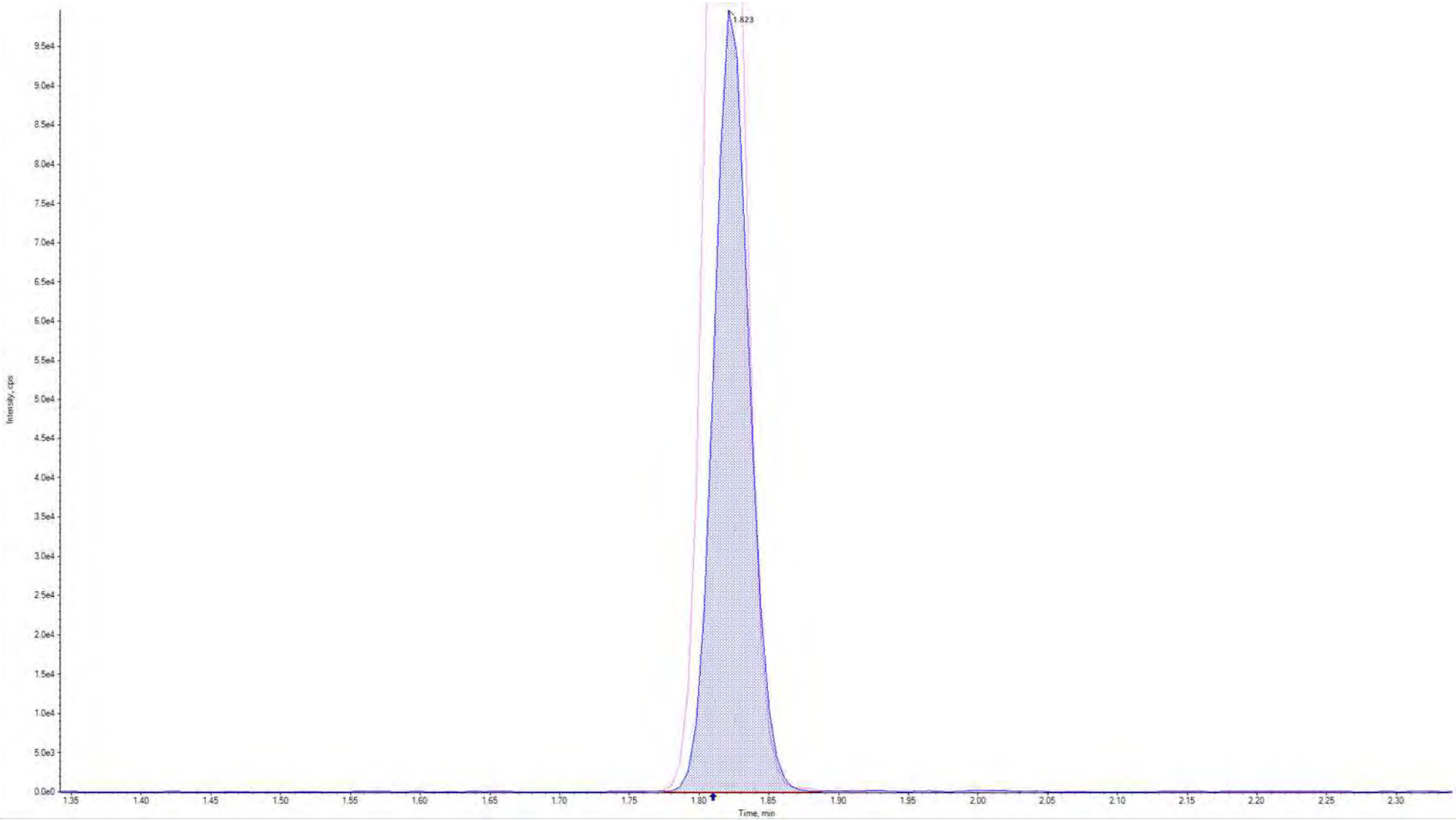

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PFHpA
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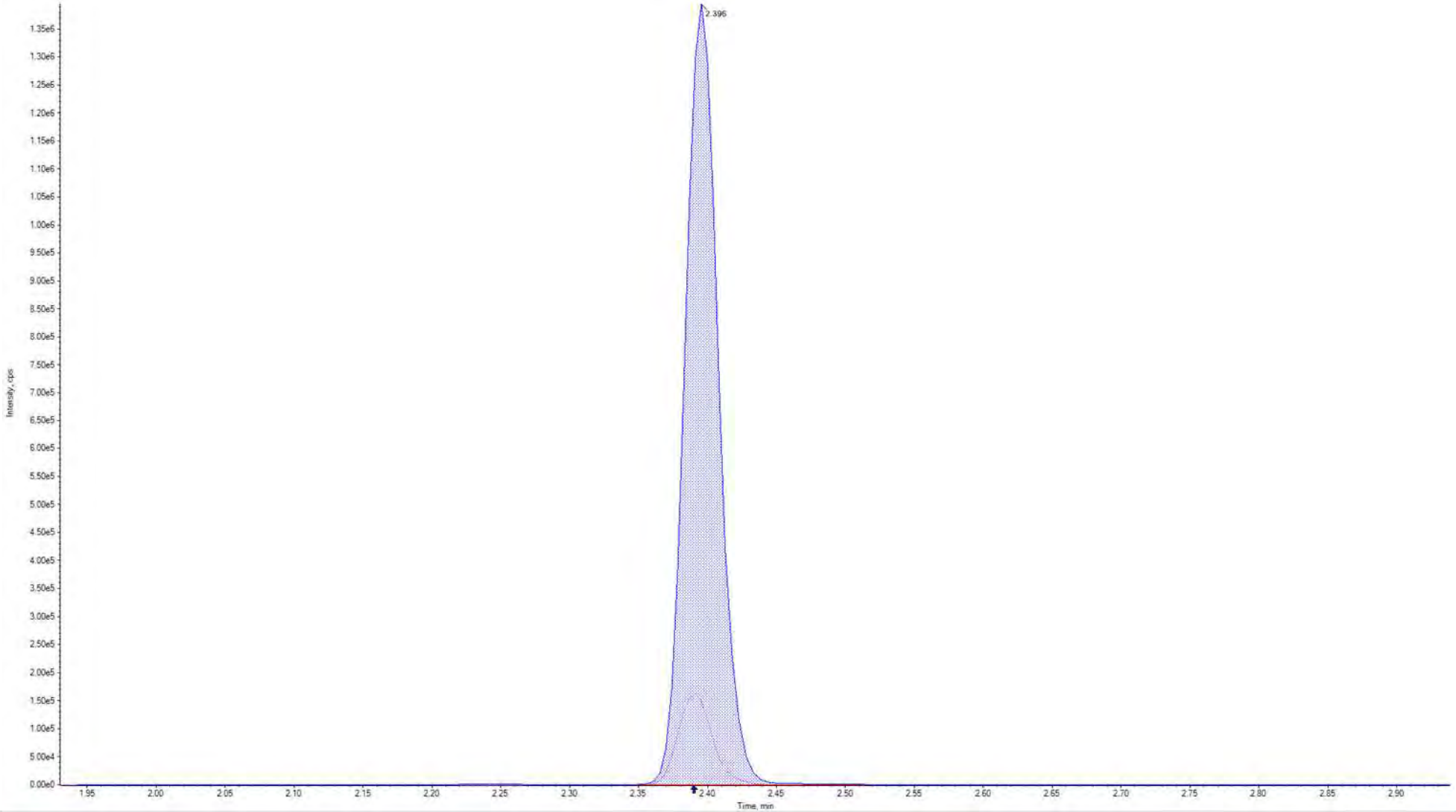

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PFHpA_2
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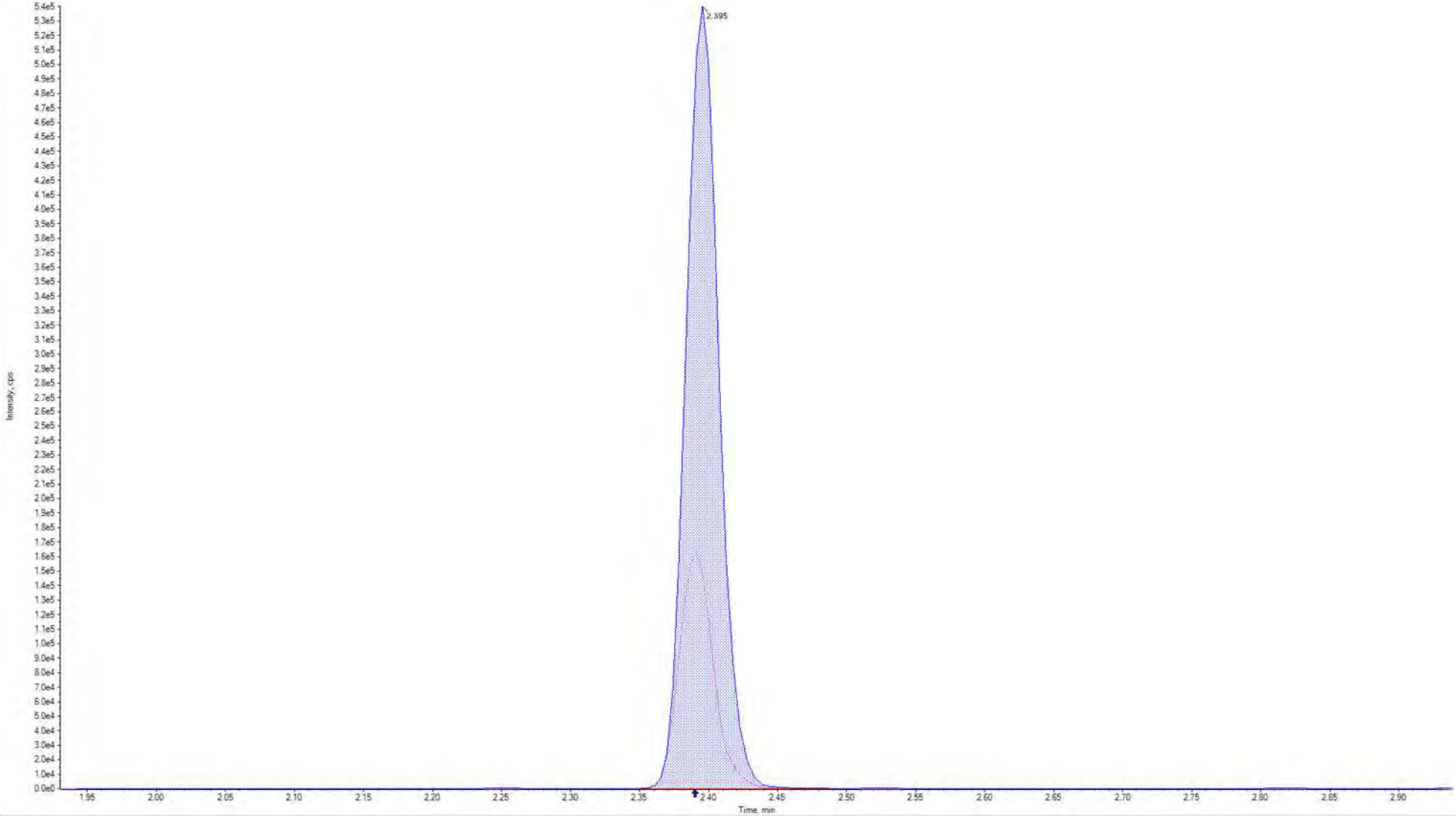

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PFOA
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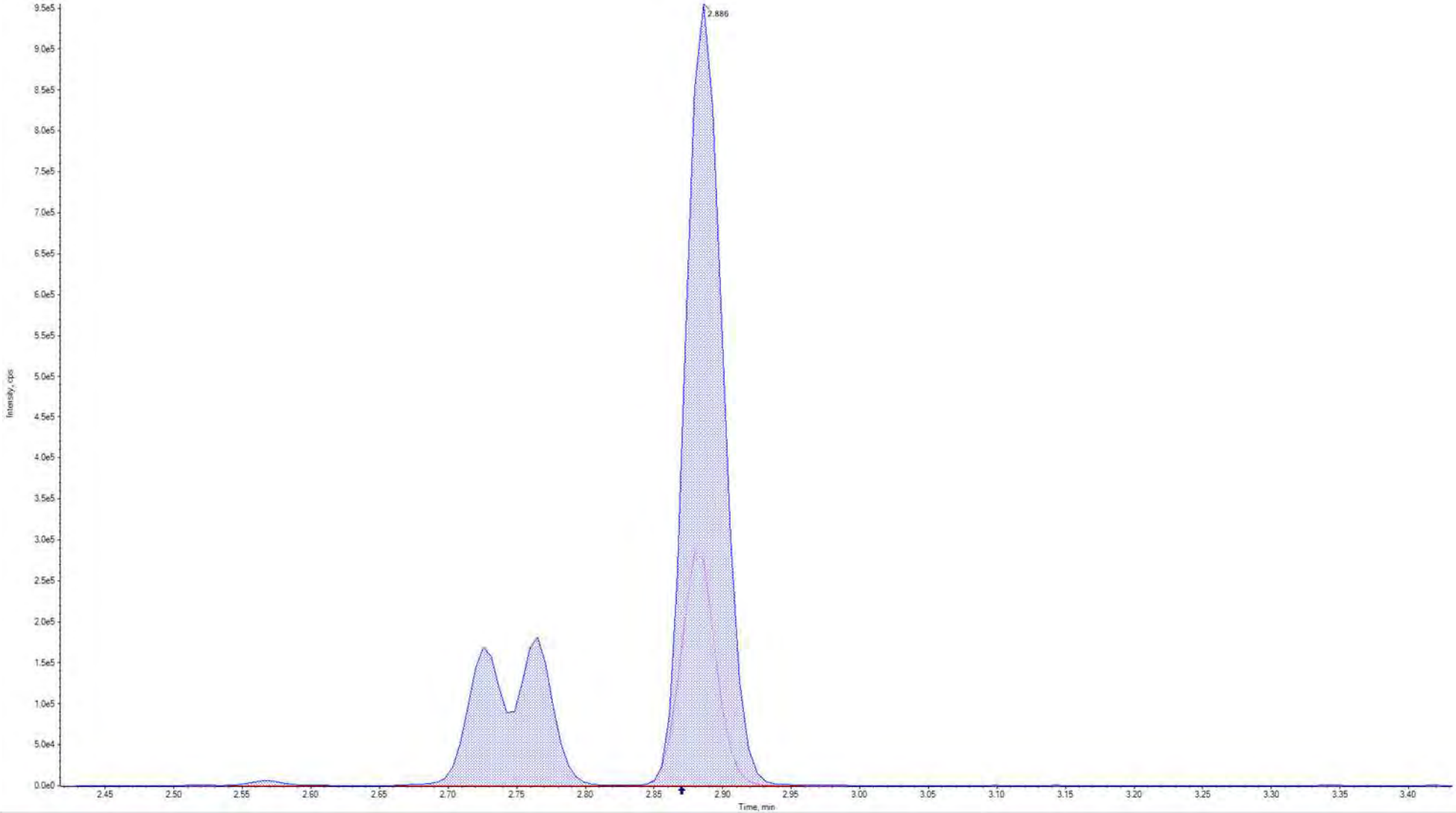

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PFOA_2
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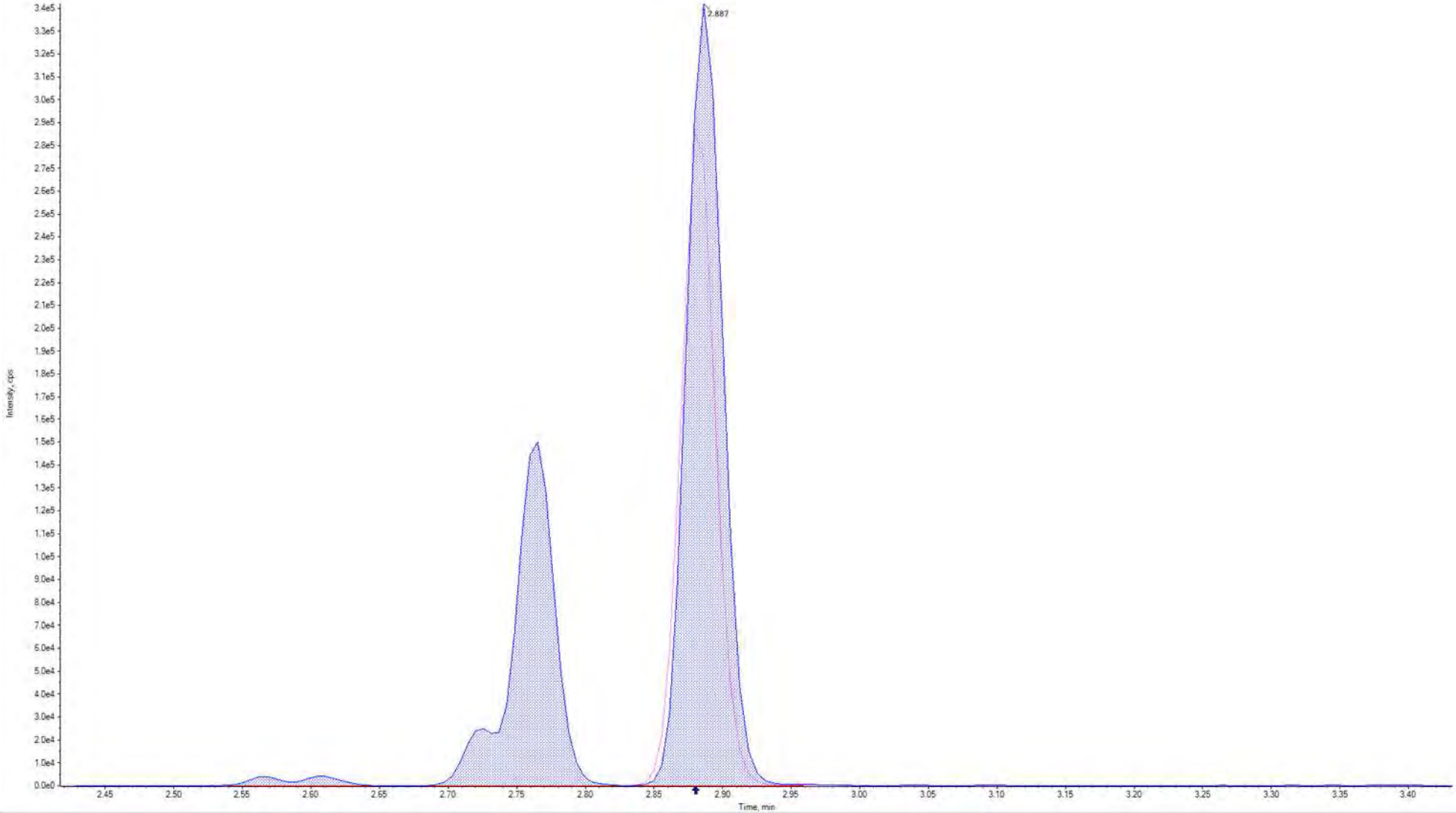

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PFNA
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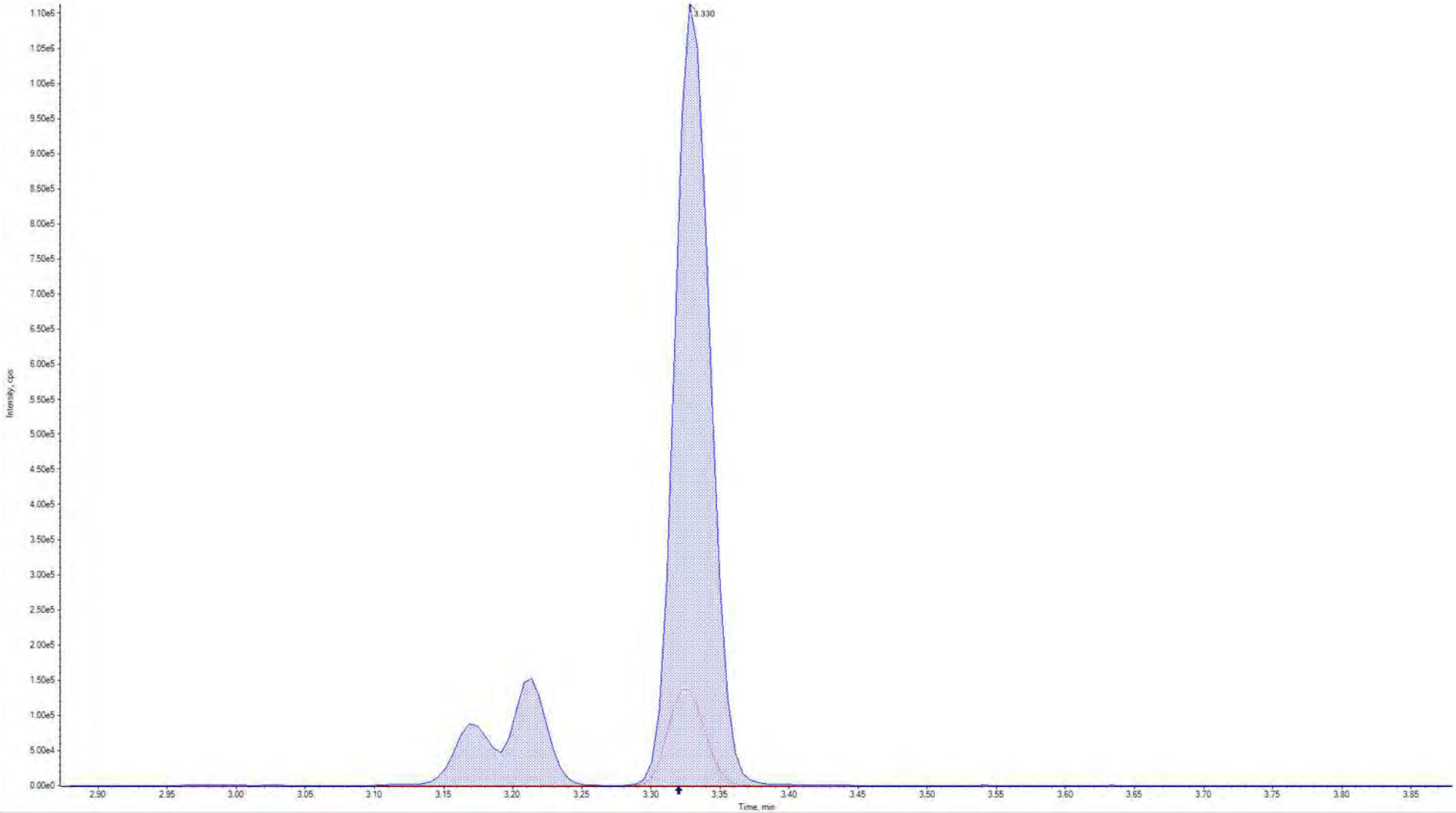

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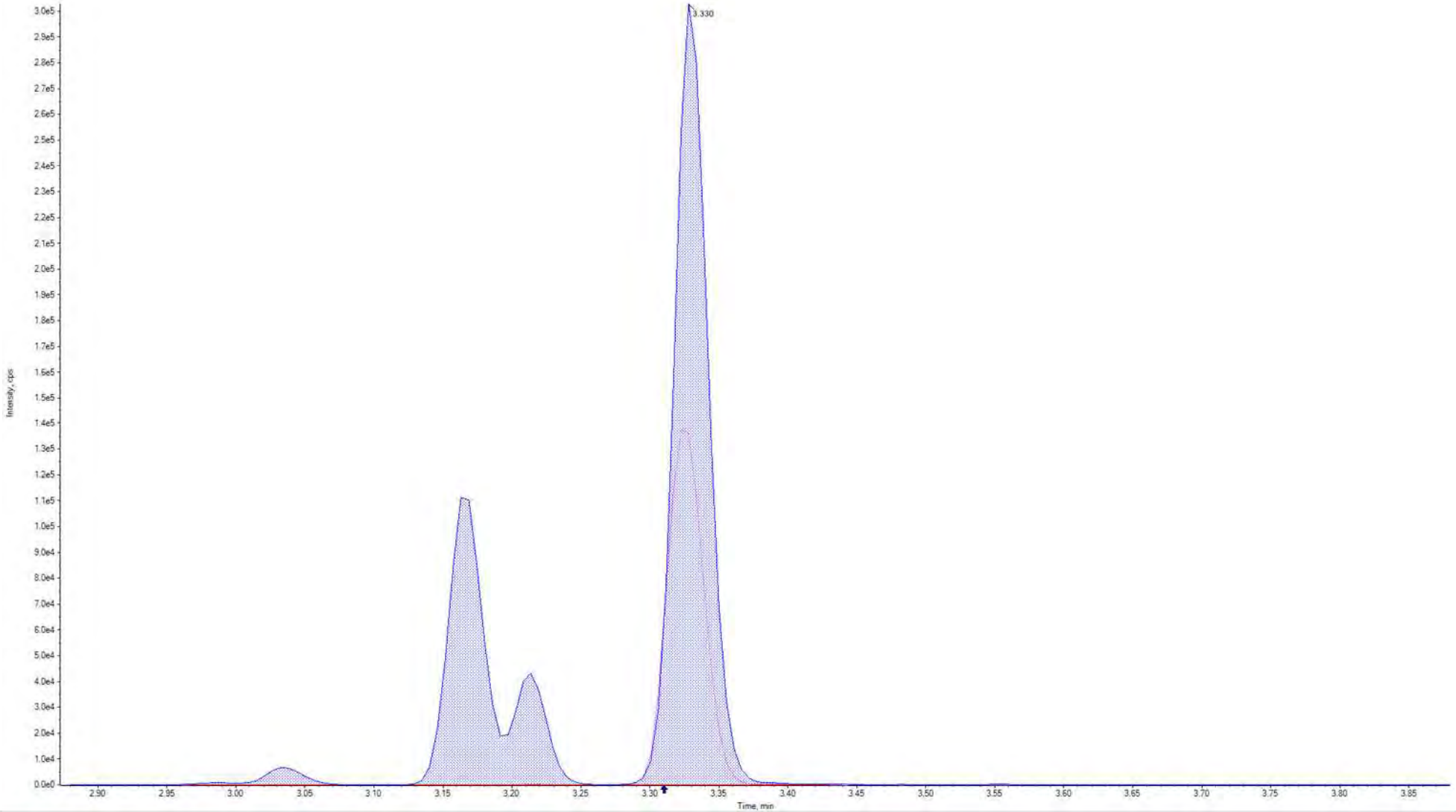
PFNA_2
Sample: IA1633STD-12.5 S/N:519.1 Points Across peak:86



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PFDA
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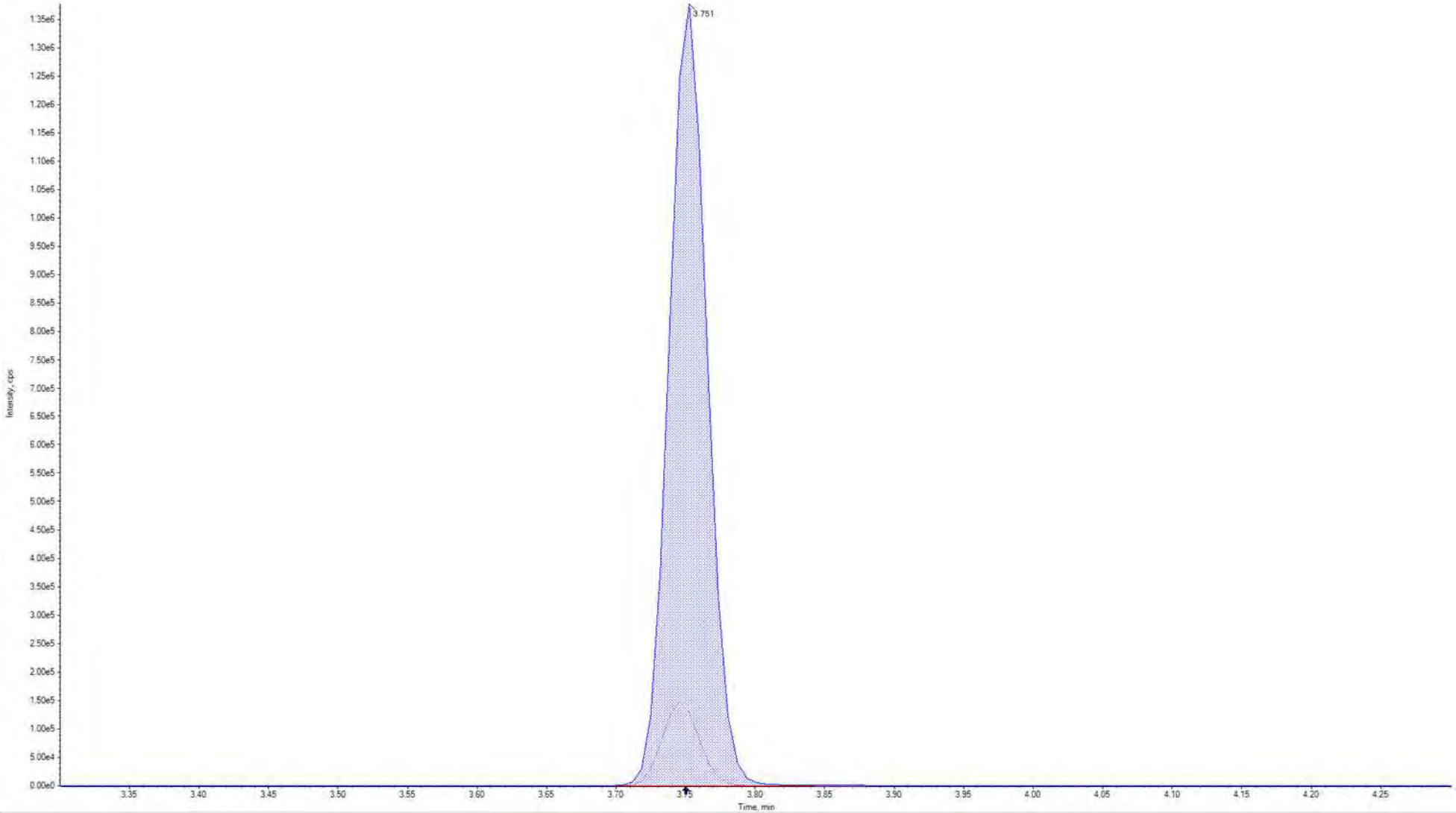

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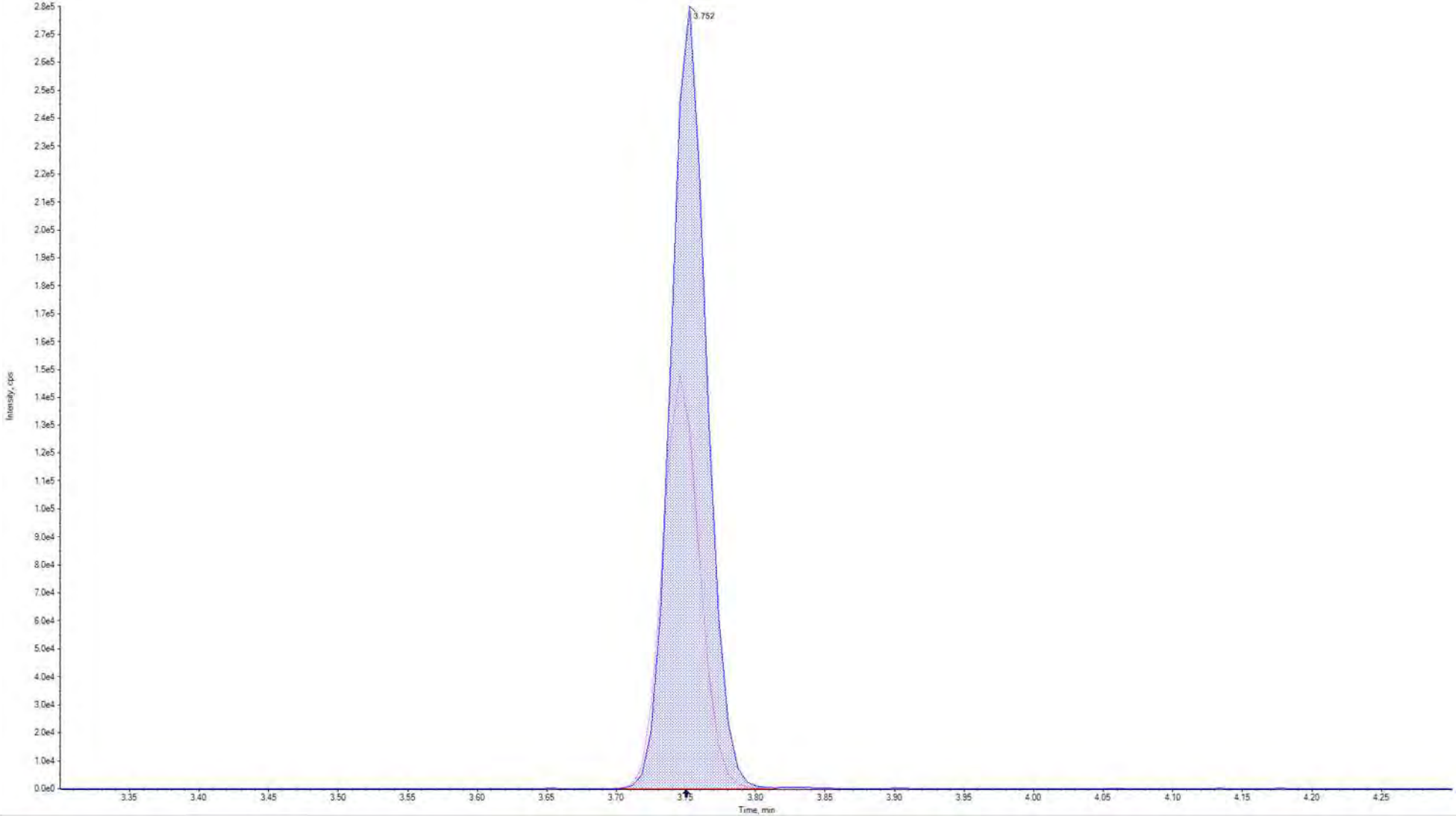
PFDA_2
Sample: IA1633STD-12.5 S/N:4806.7 Points Across peak:20



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PFUnA
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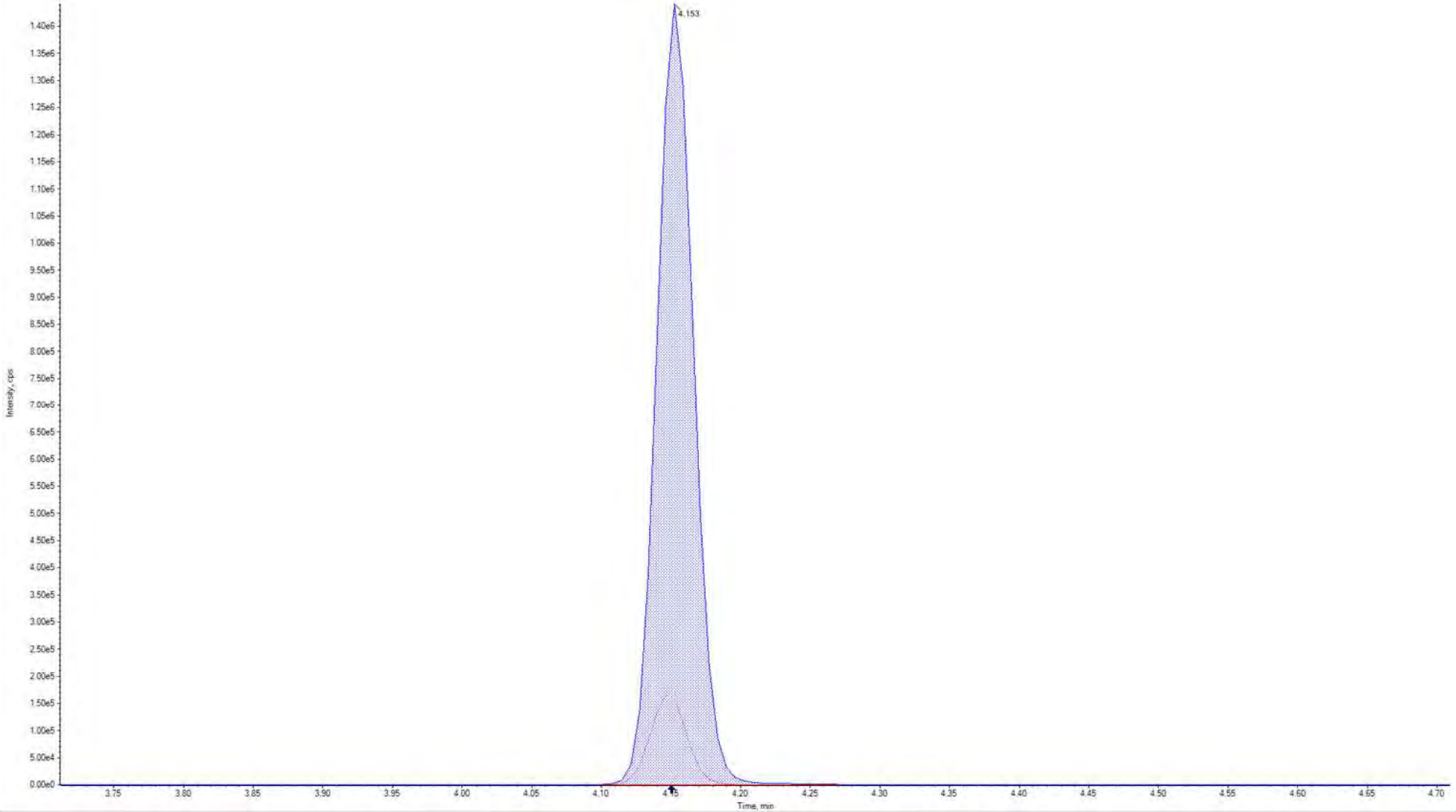

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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PFUnA_2
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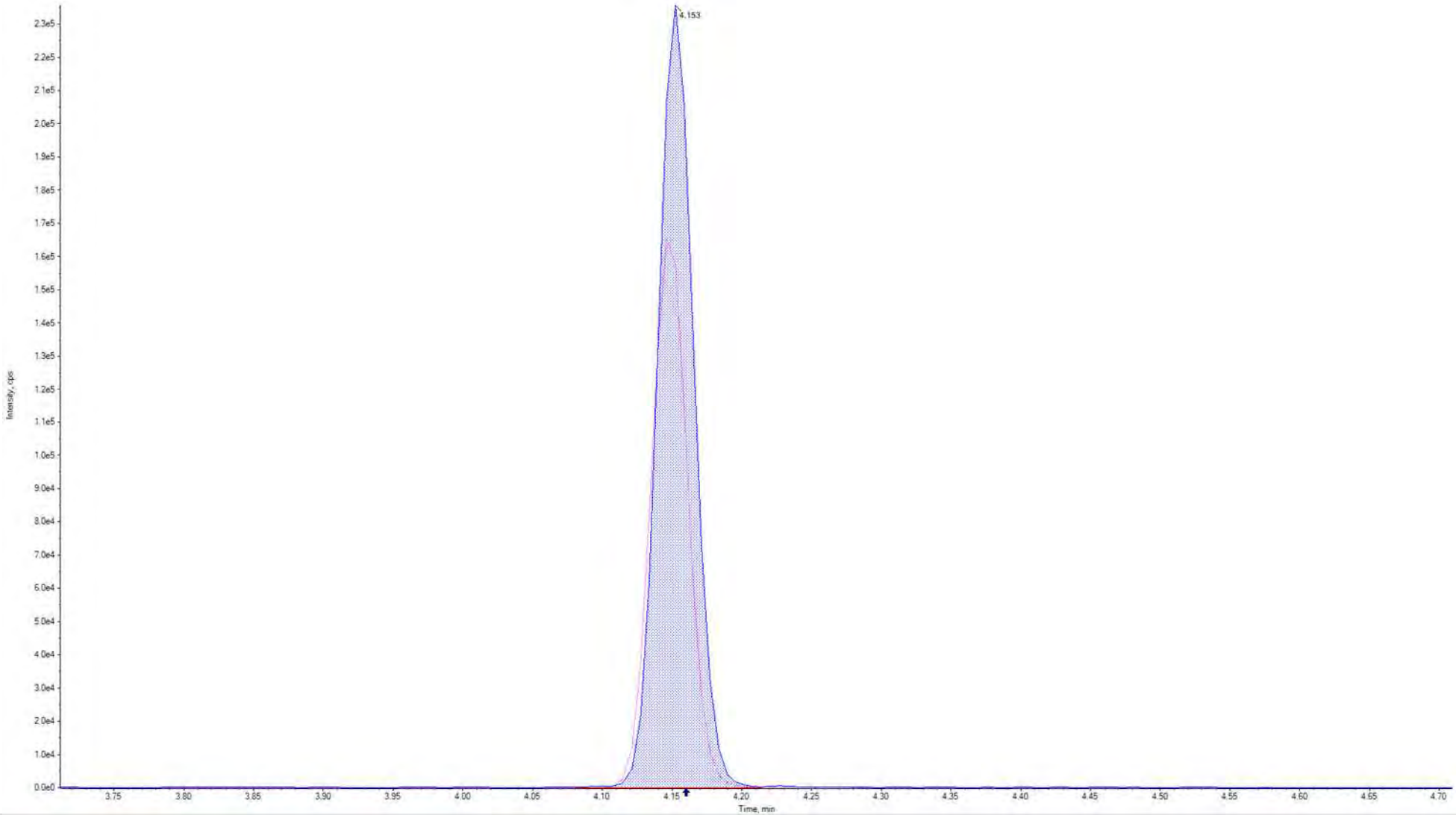

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PFDoA
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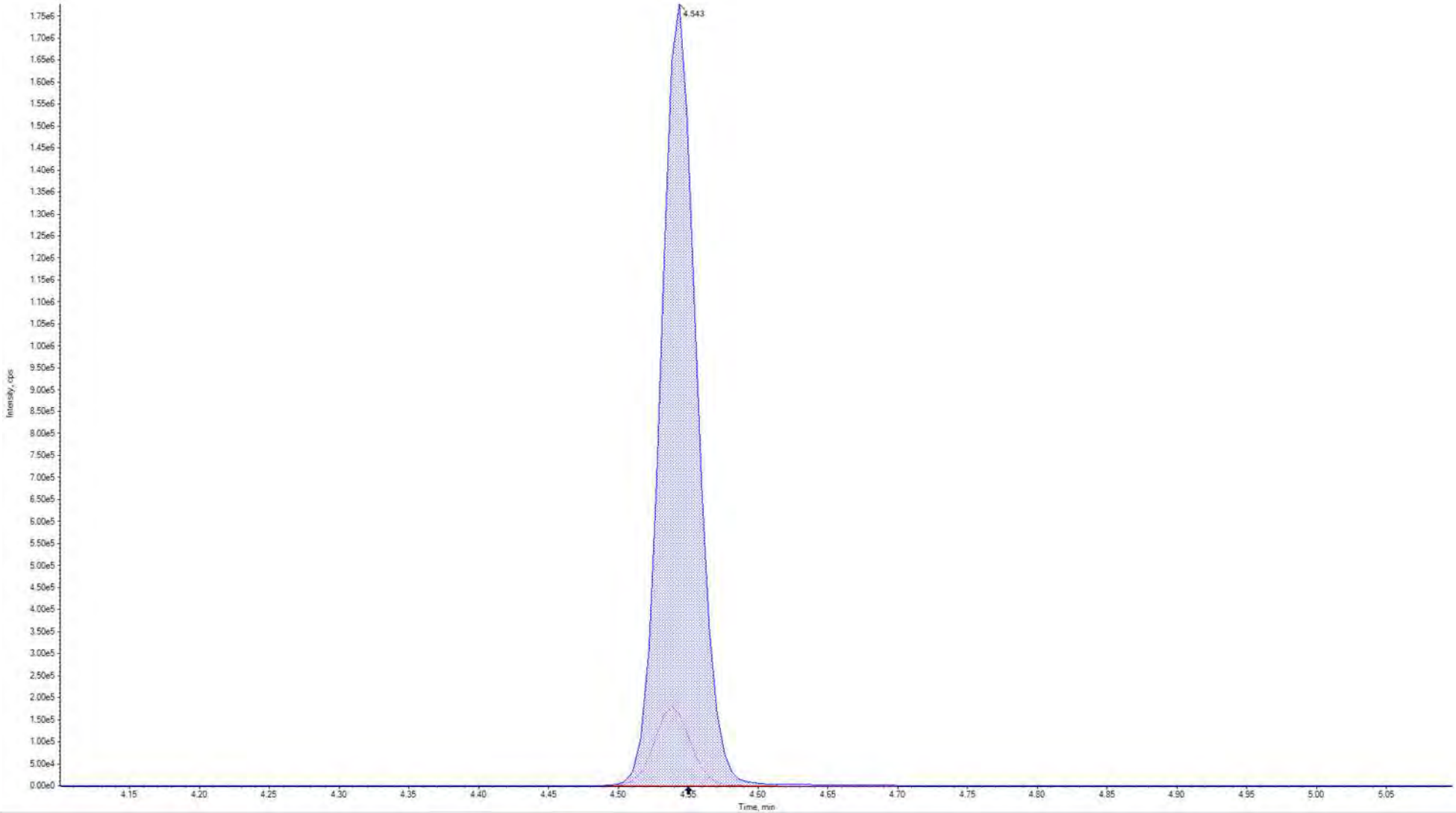

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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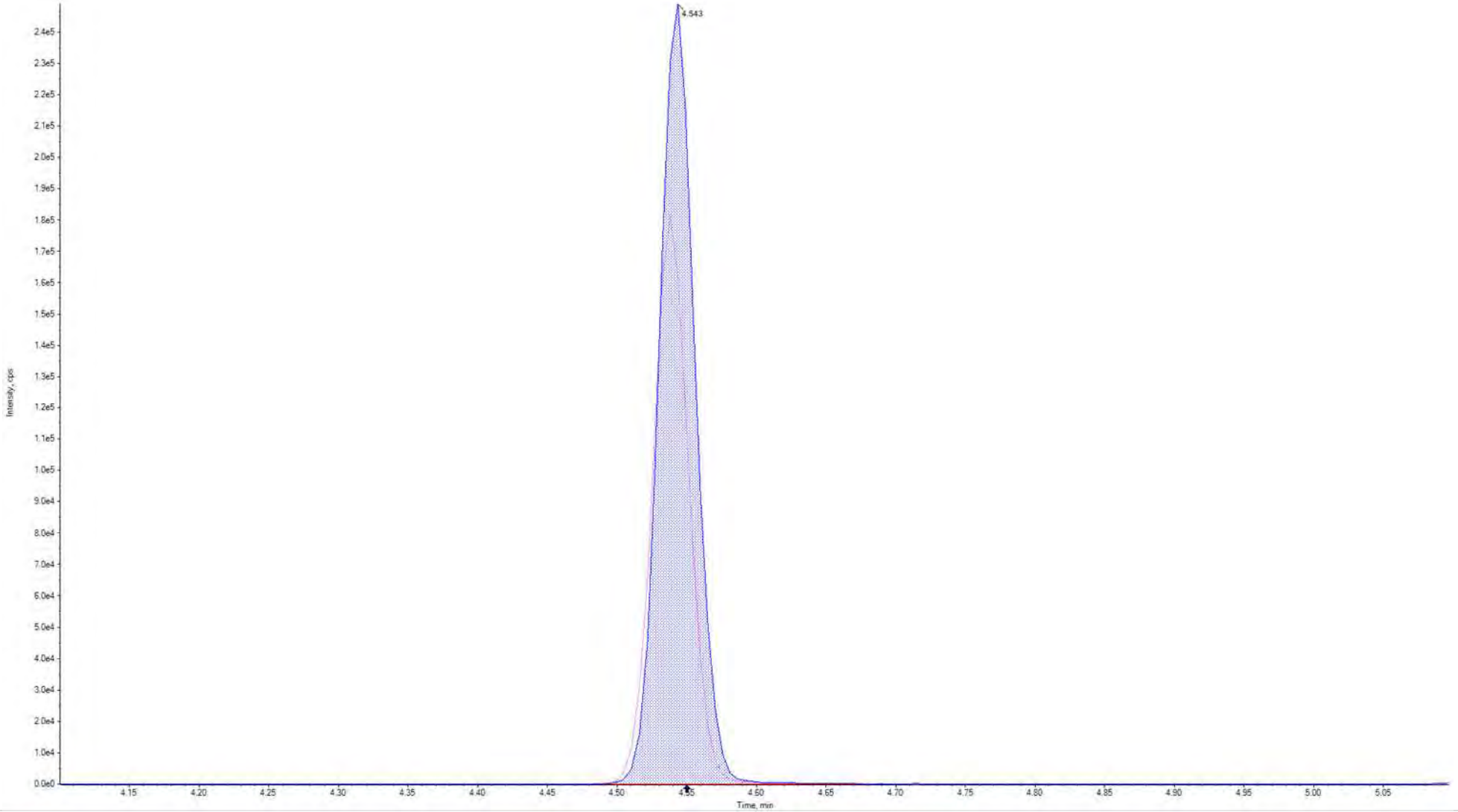
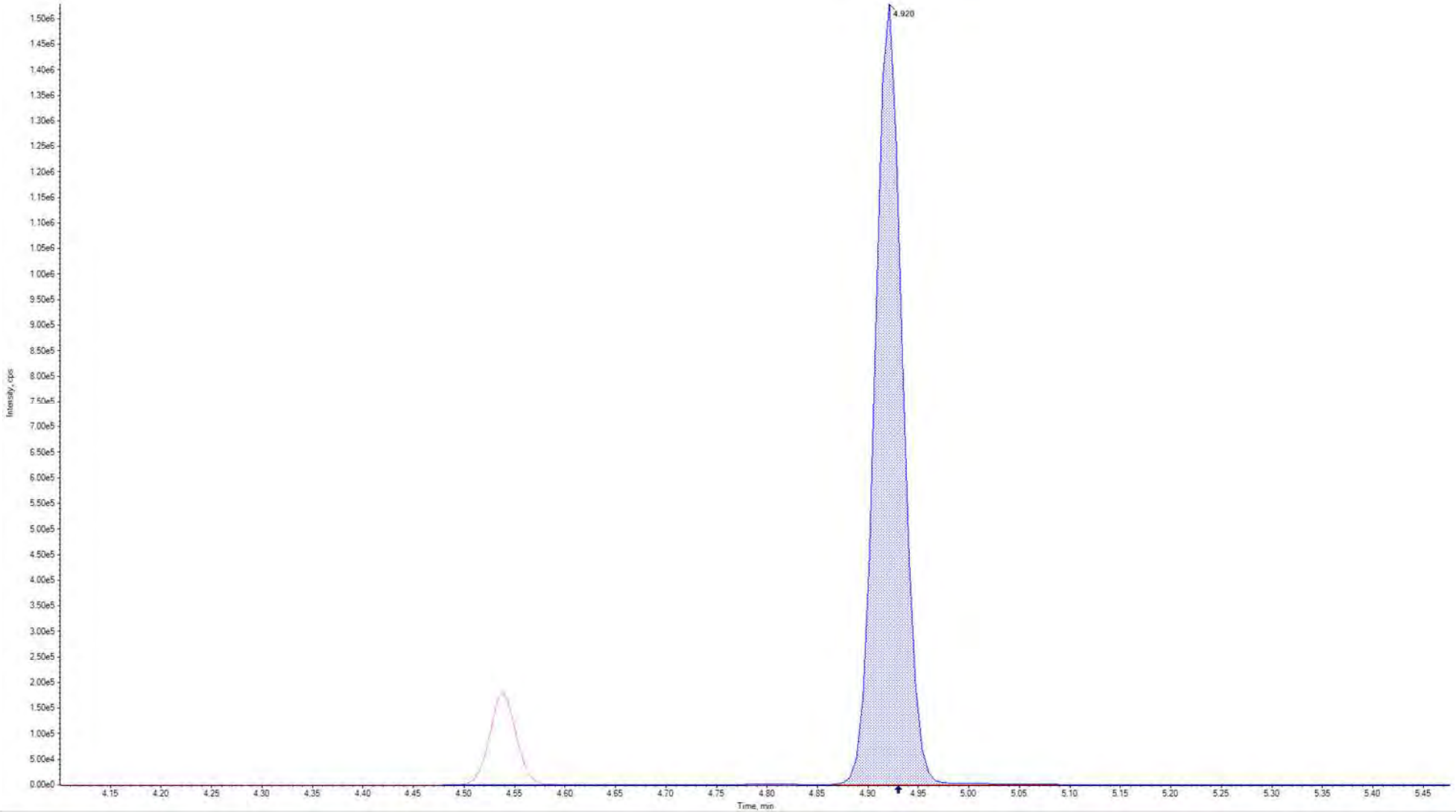
PFDoA_2
Sample: IA1633STD-12.5 S/N:4284.5 Points Across peak:40



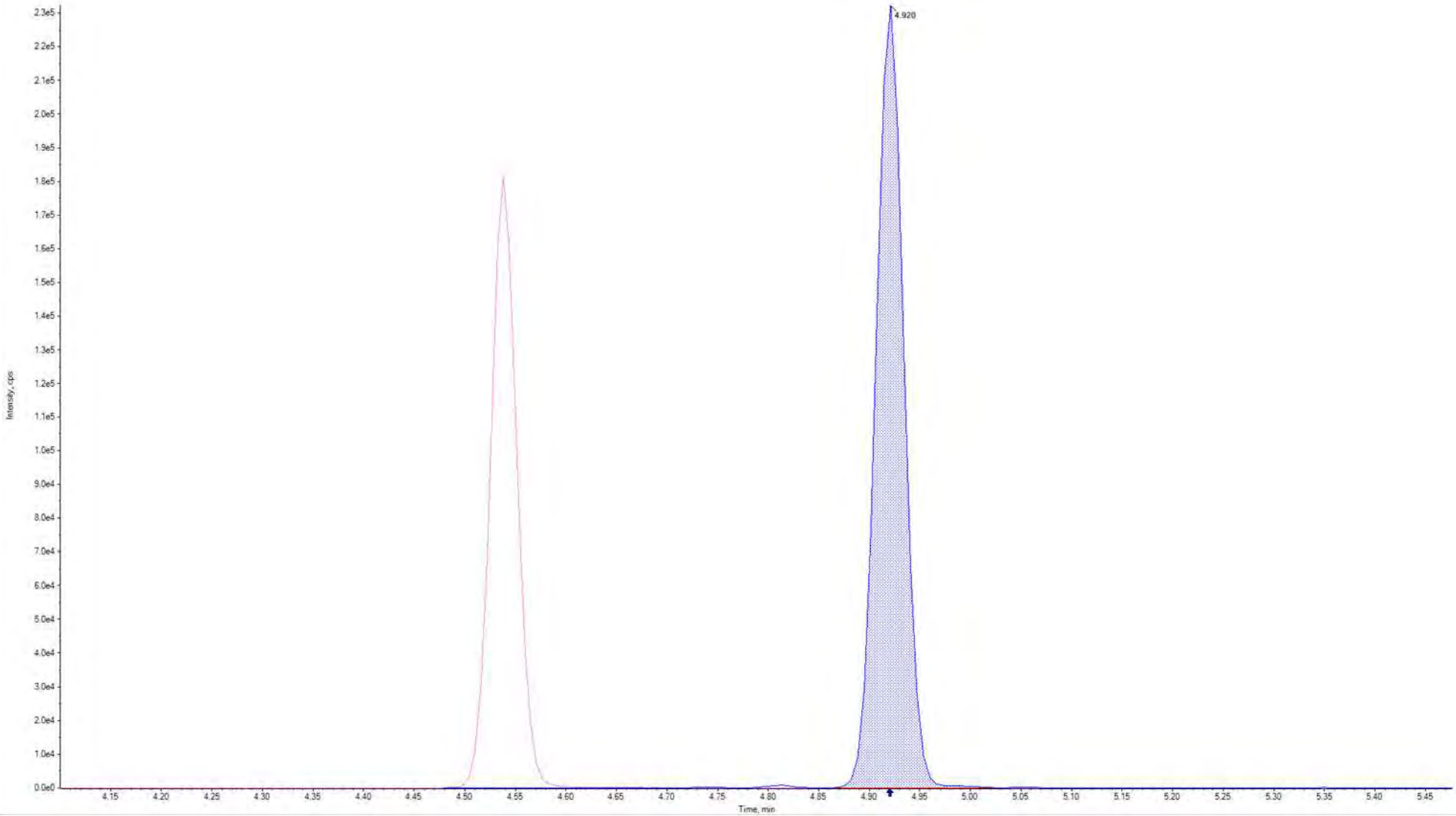
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_21.wiff2_6
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFTrDA
Sample: IA1633STD-12.5 S/N:19783.1 Points Across peak:40



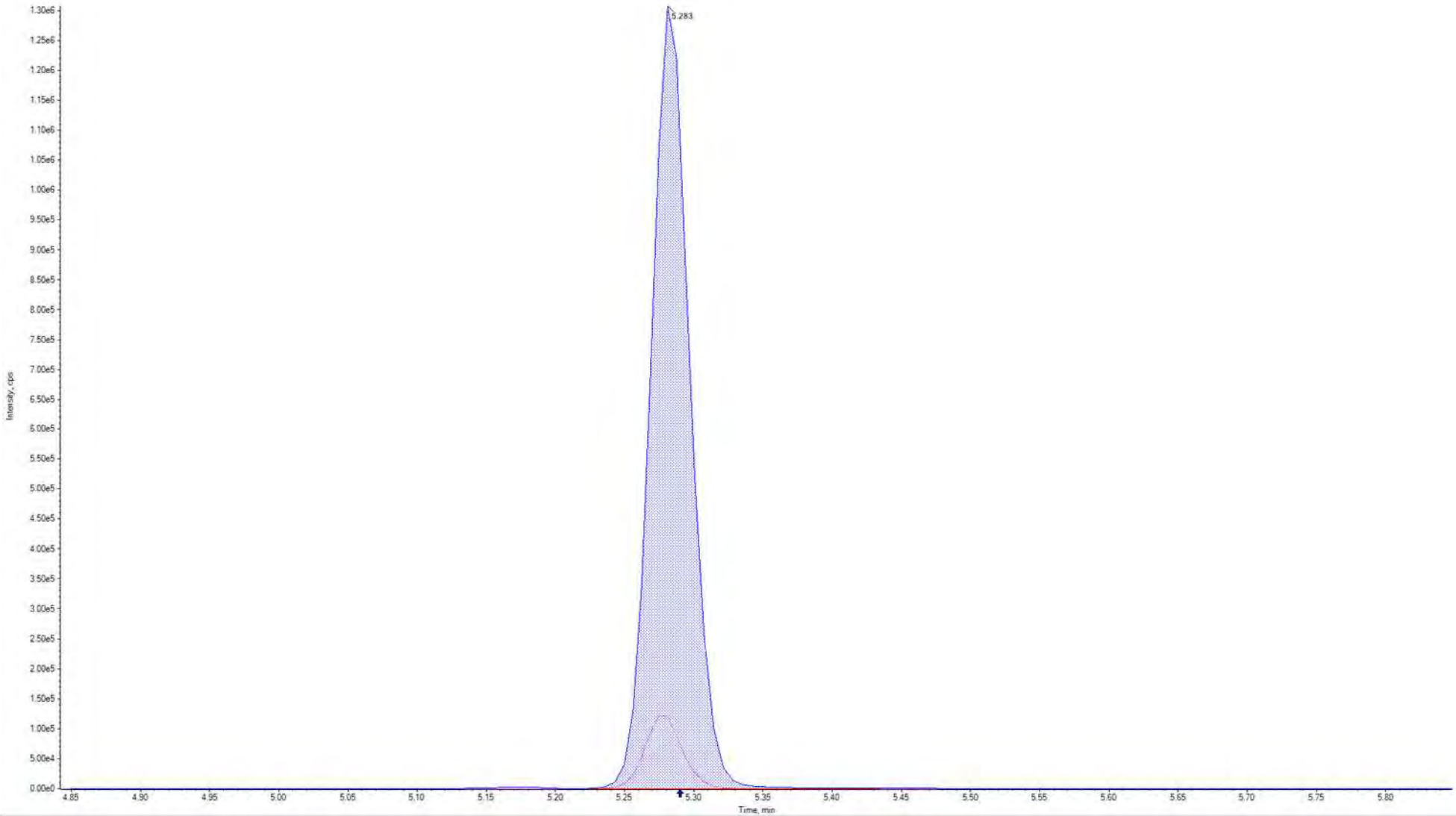
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_21.wiff2_6
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFTrDA_2
Sample: IA1633STD-12.5 S/N:9313.2 Points Across peak:26



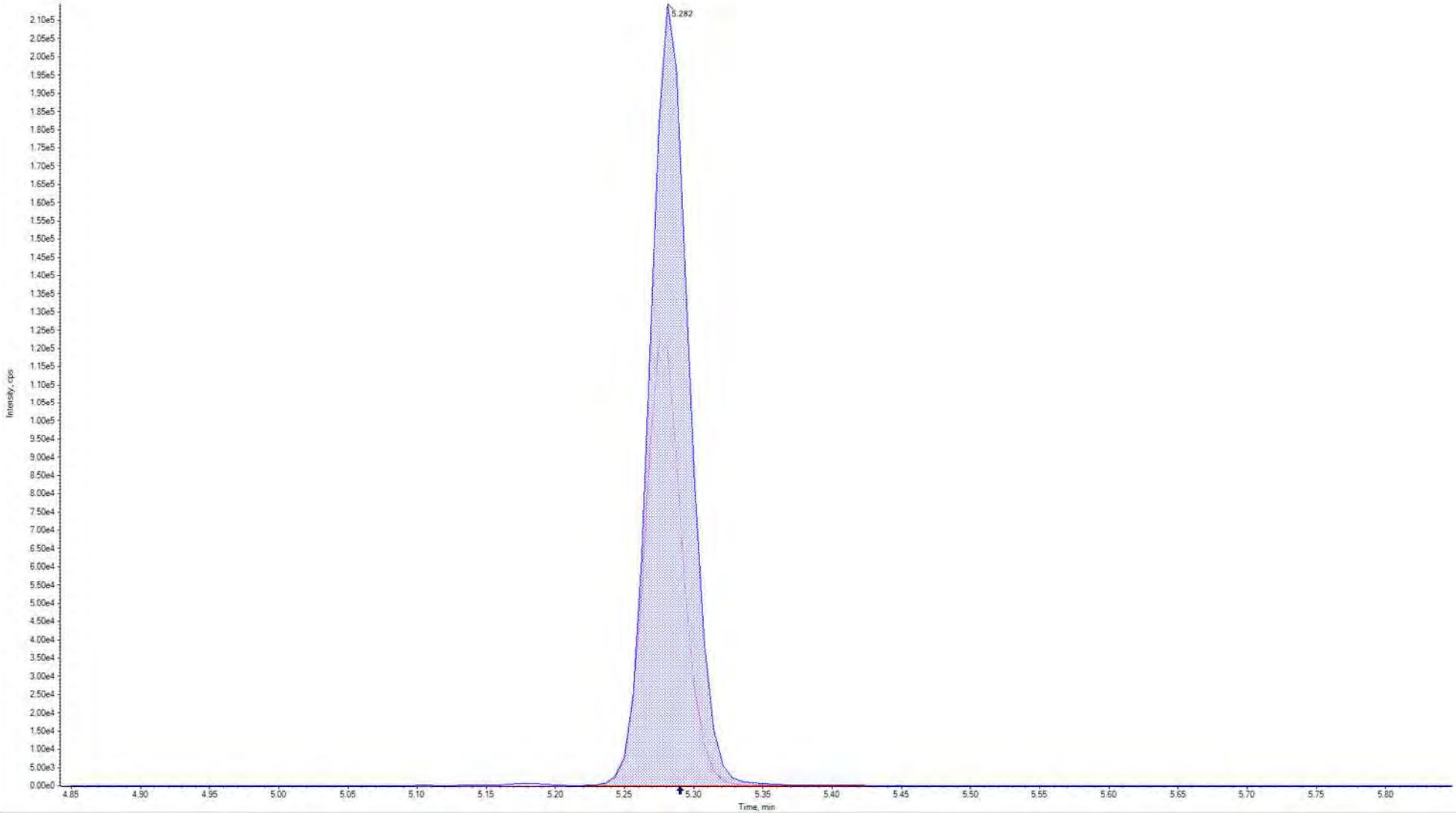
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_21.wiff2_6
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFTeDA
Sample: IA1633STD-12.5 S/N:7976.0 Points Across peak:32



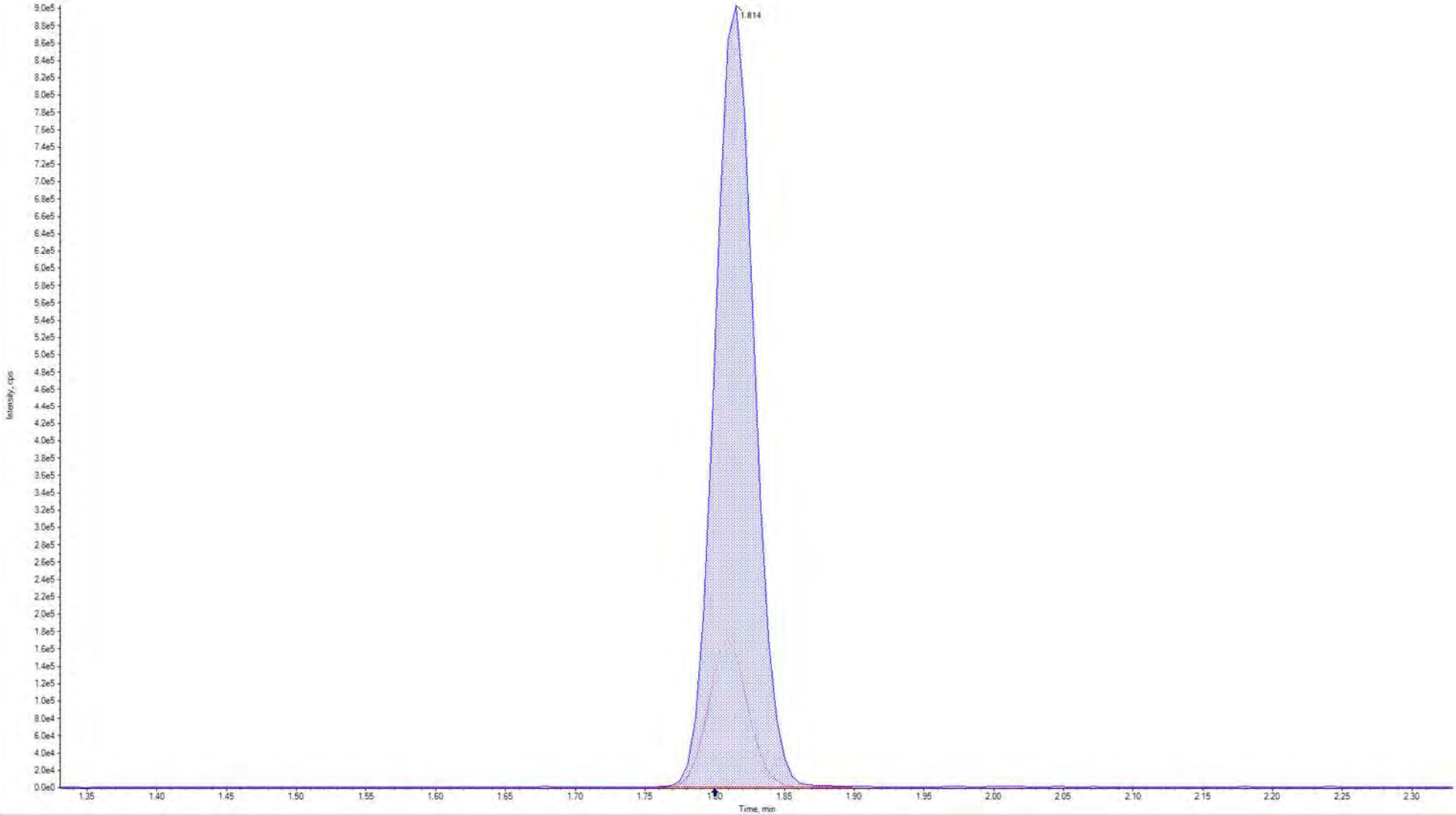
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_21.wiff2_6
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFTeDA_2
Sample: IA1633STD-12.5 S/N:2100.7 Points Across peak:35



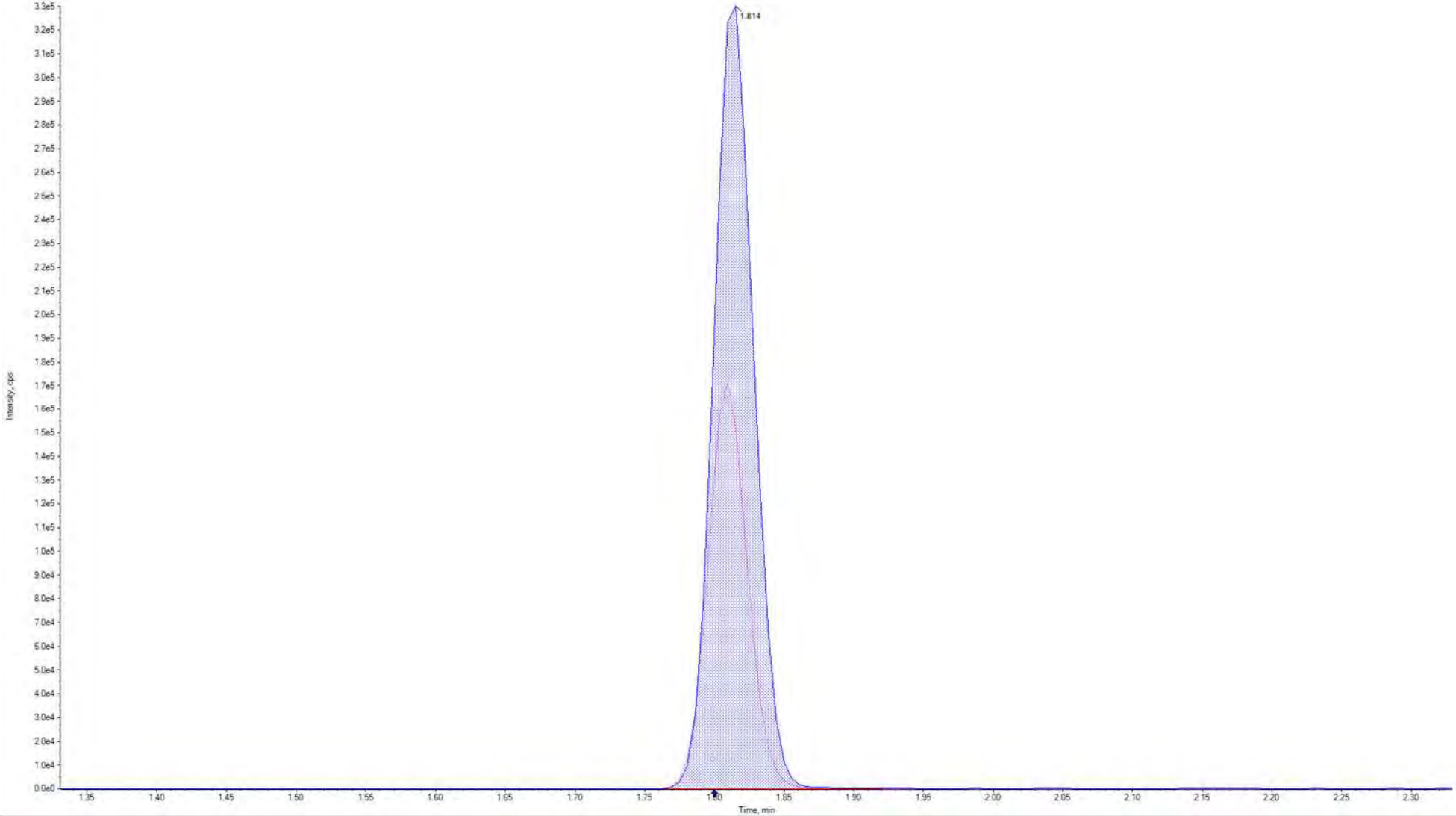
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_21.wiff2_6
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFBS
Sample: IA1633STD-12.5 S/N:2476.4 Points Across peak:29



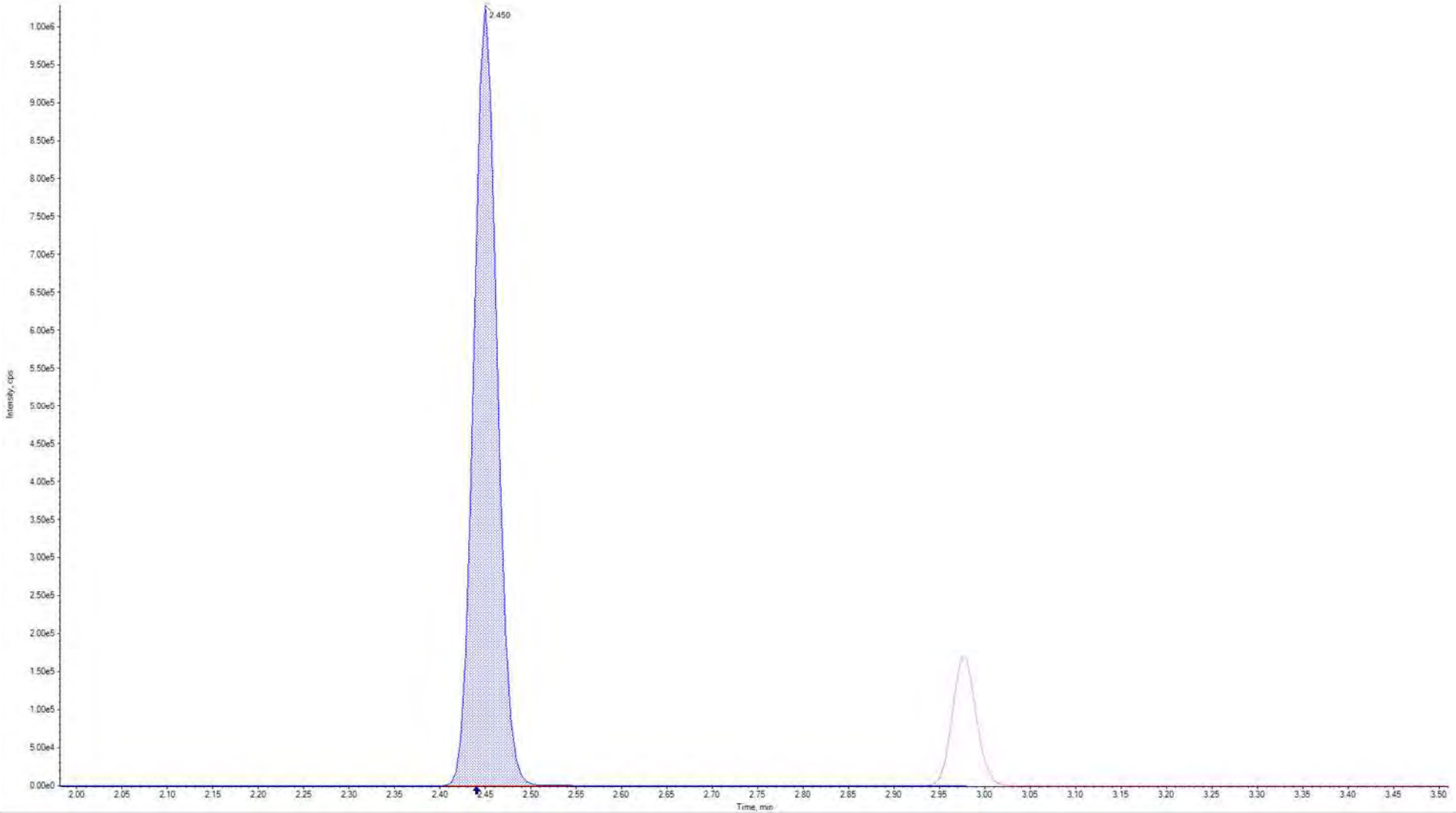
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_21.wiff2_6
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFBS_2
Sample: IA1633STD-12.5 S/N:3603.9 Points Across peak:31



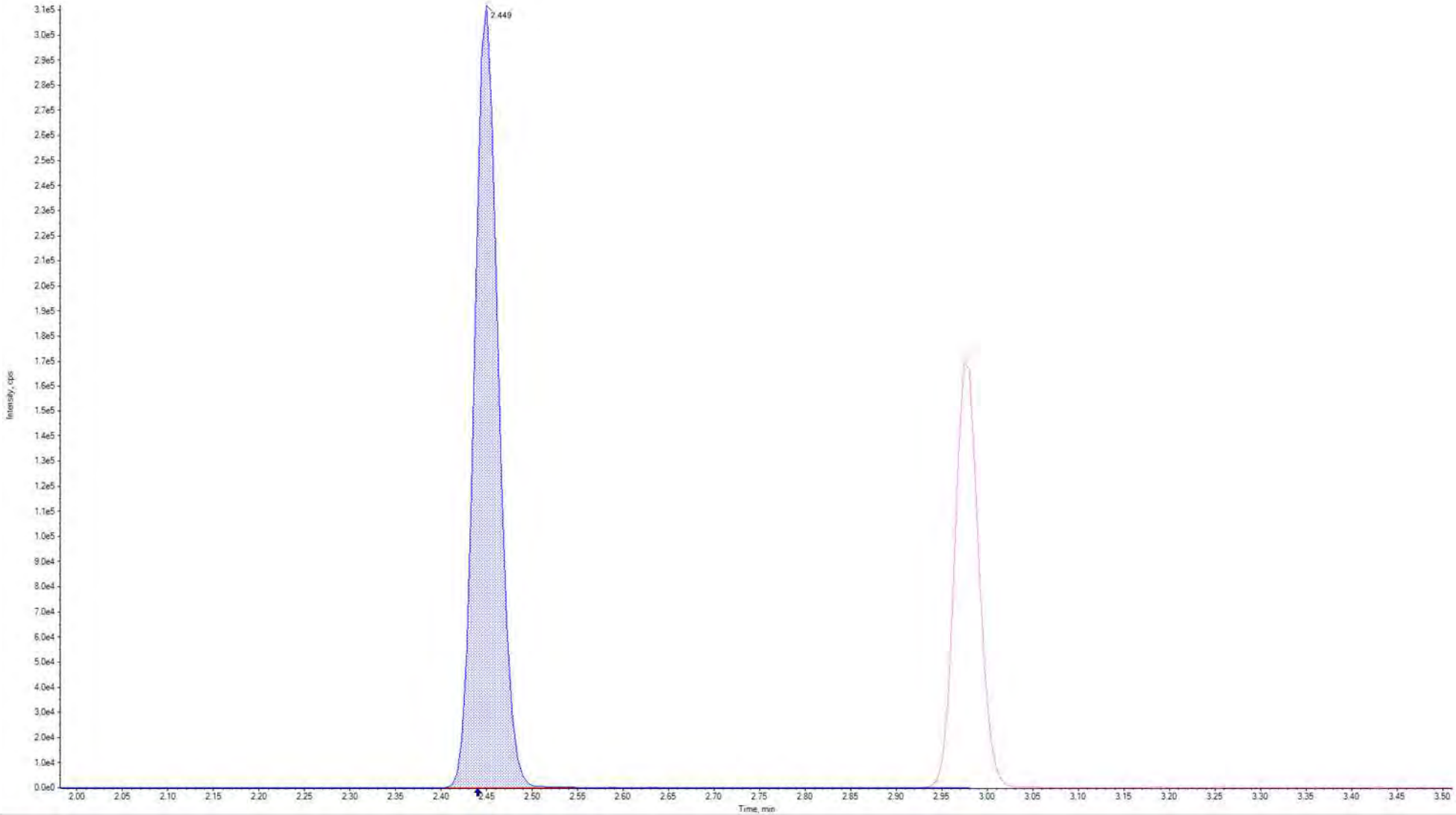
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_21.wiff2_6
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFPeS
Sample: IA1633STD-12.5 S/N:20615.1 Points Across peak:31



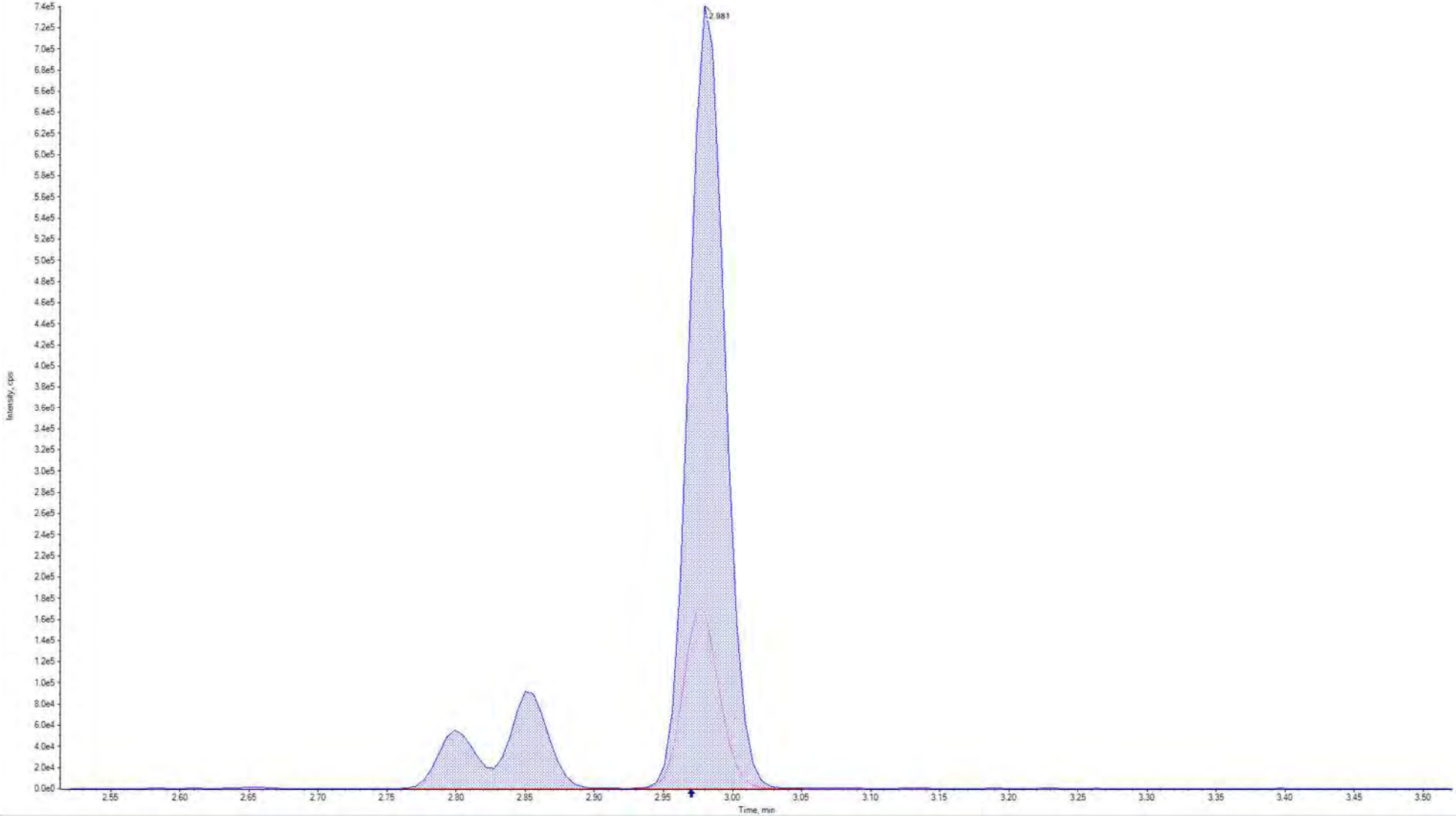
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_21.wiff2_6
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFPeS_2
Sample: IA1633STD-12.5 S/N:4988.2 Points Across peak:37



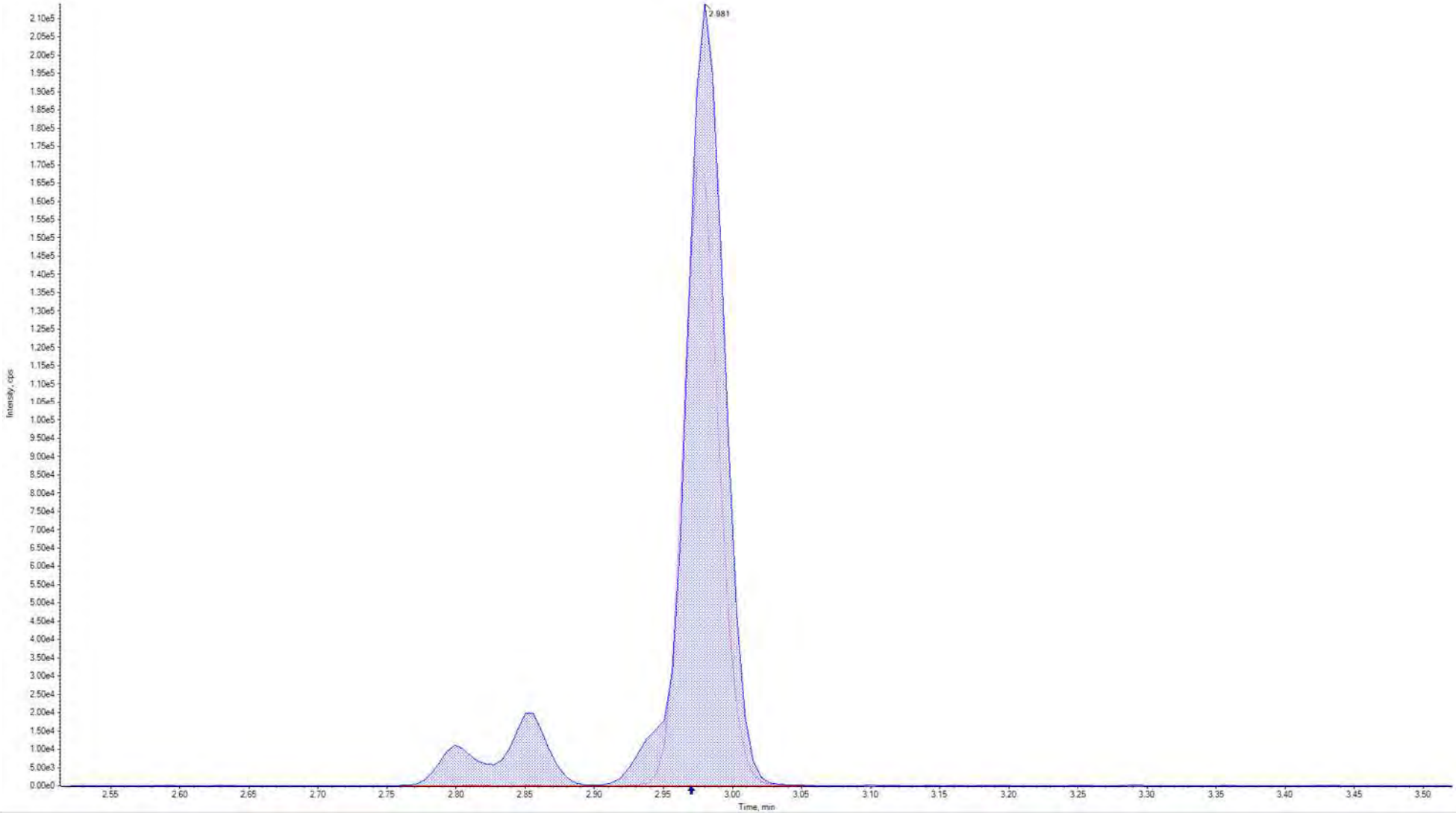
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_21.wiff2_6
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFHxS
Sample: IA1633STD-12.5 S/N:1197.4 Points Across peak:51



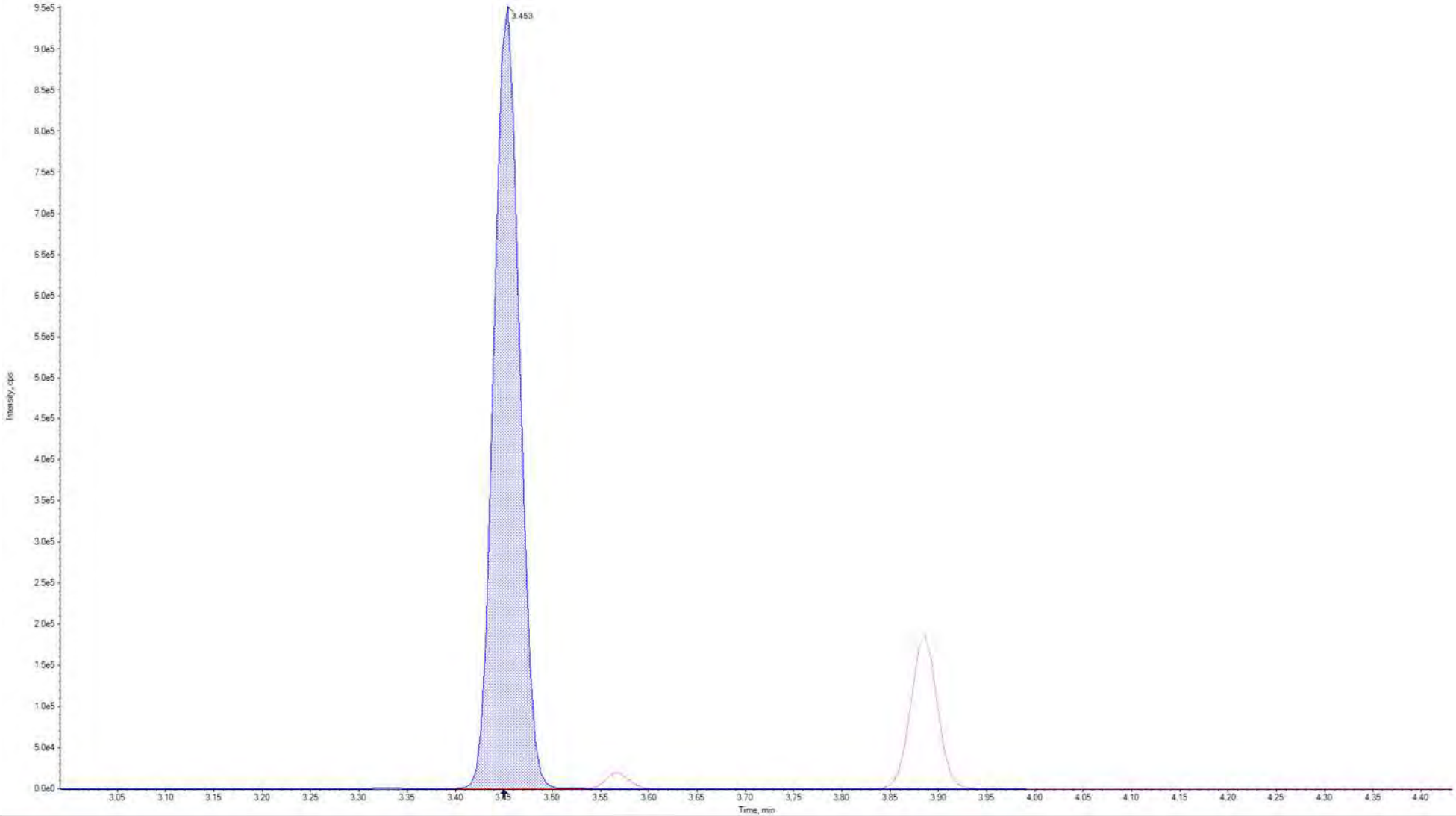
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_21.wiff2_6
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFHxS_2
Sample: IA1633STD-12.5 S/N:1469.2 Points Across peak:57



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_21.wiff2_6
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFHpS
Sample: IA1633STD-12.5 S/N:10923.0 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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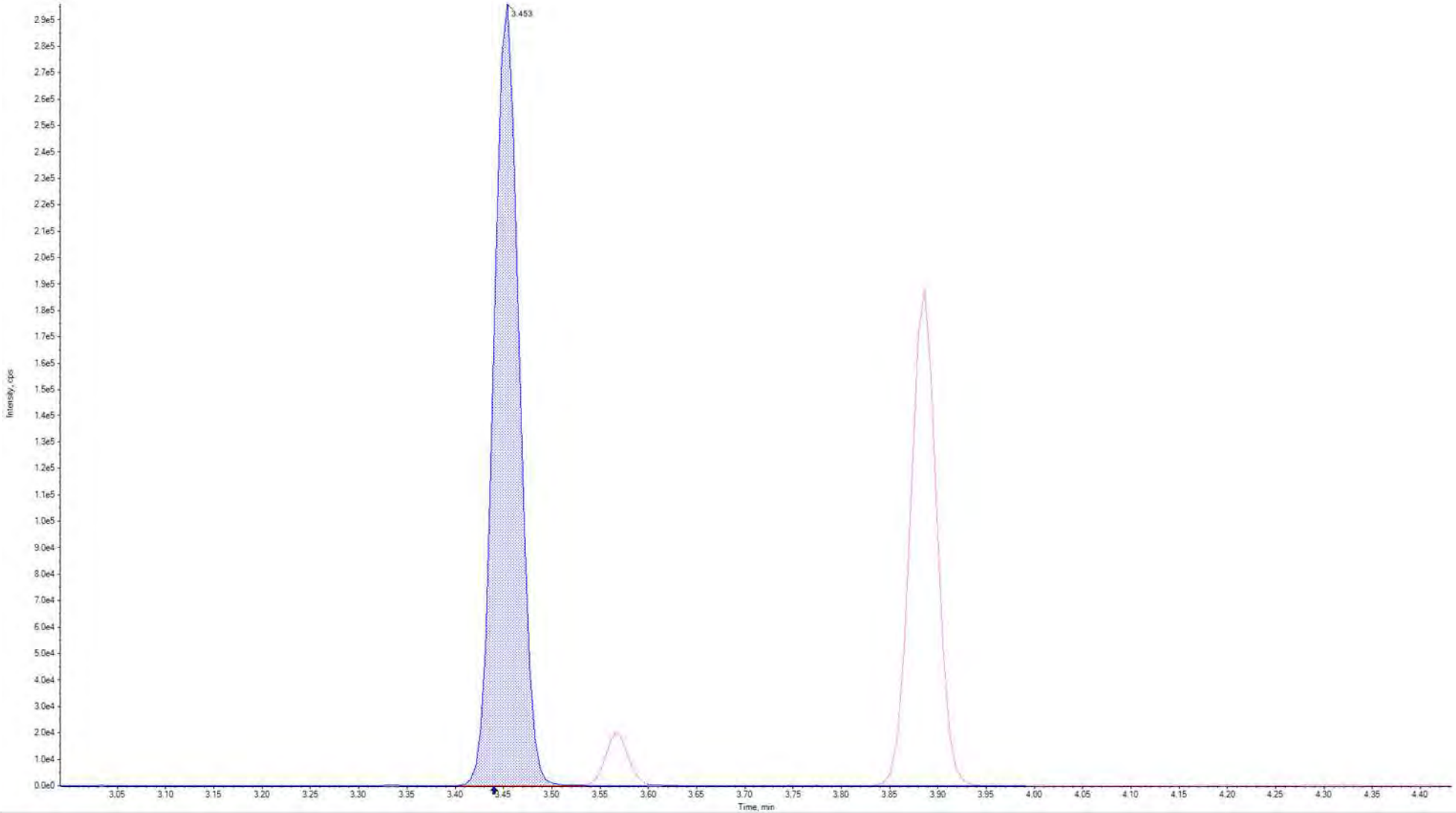
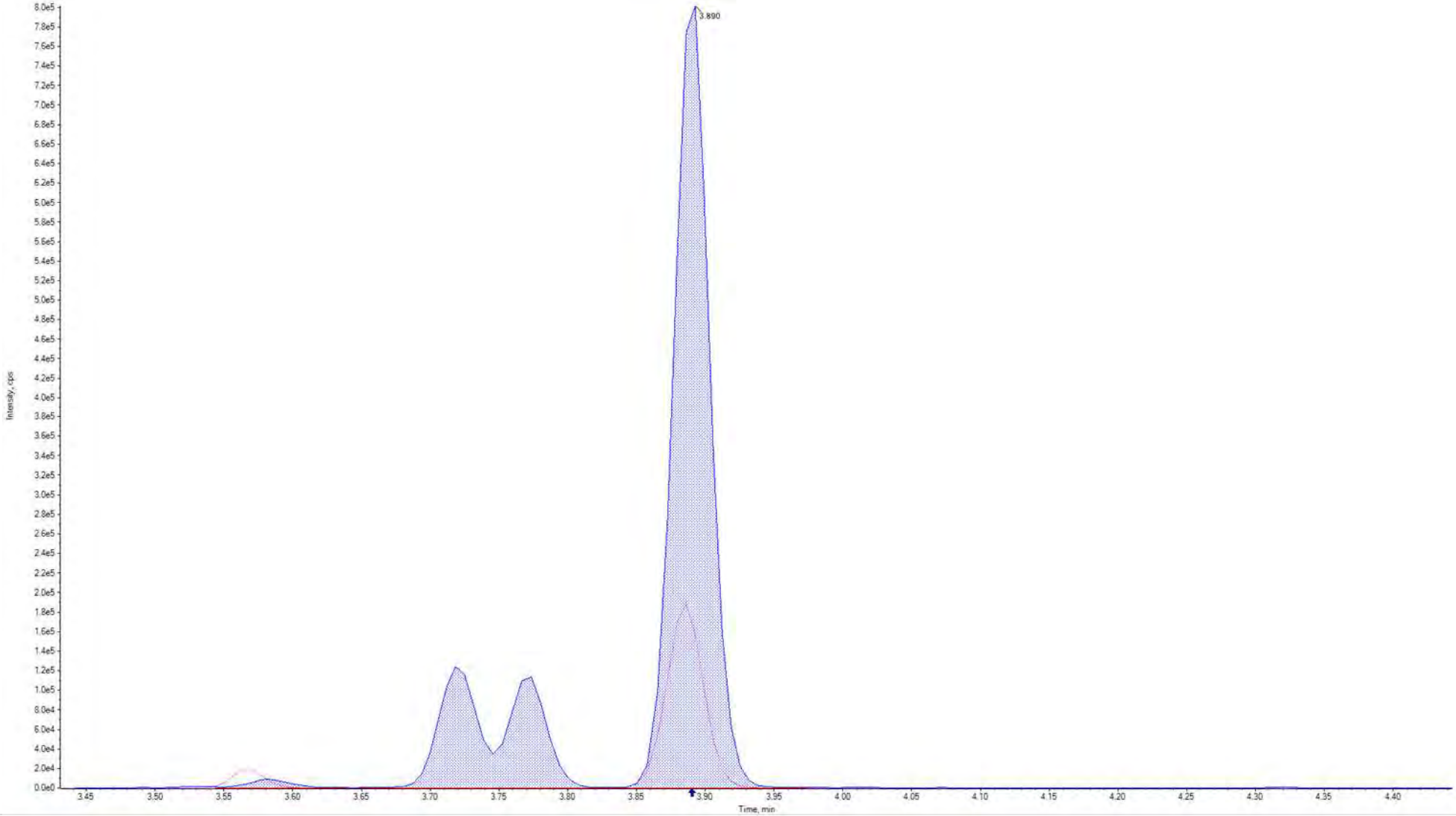
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFHpS_2
Sample: IA1633STD-12.5 S/N:5936.4 Points Across peak:33



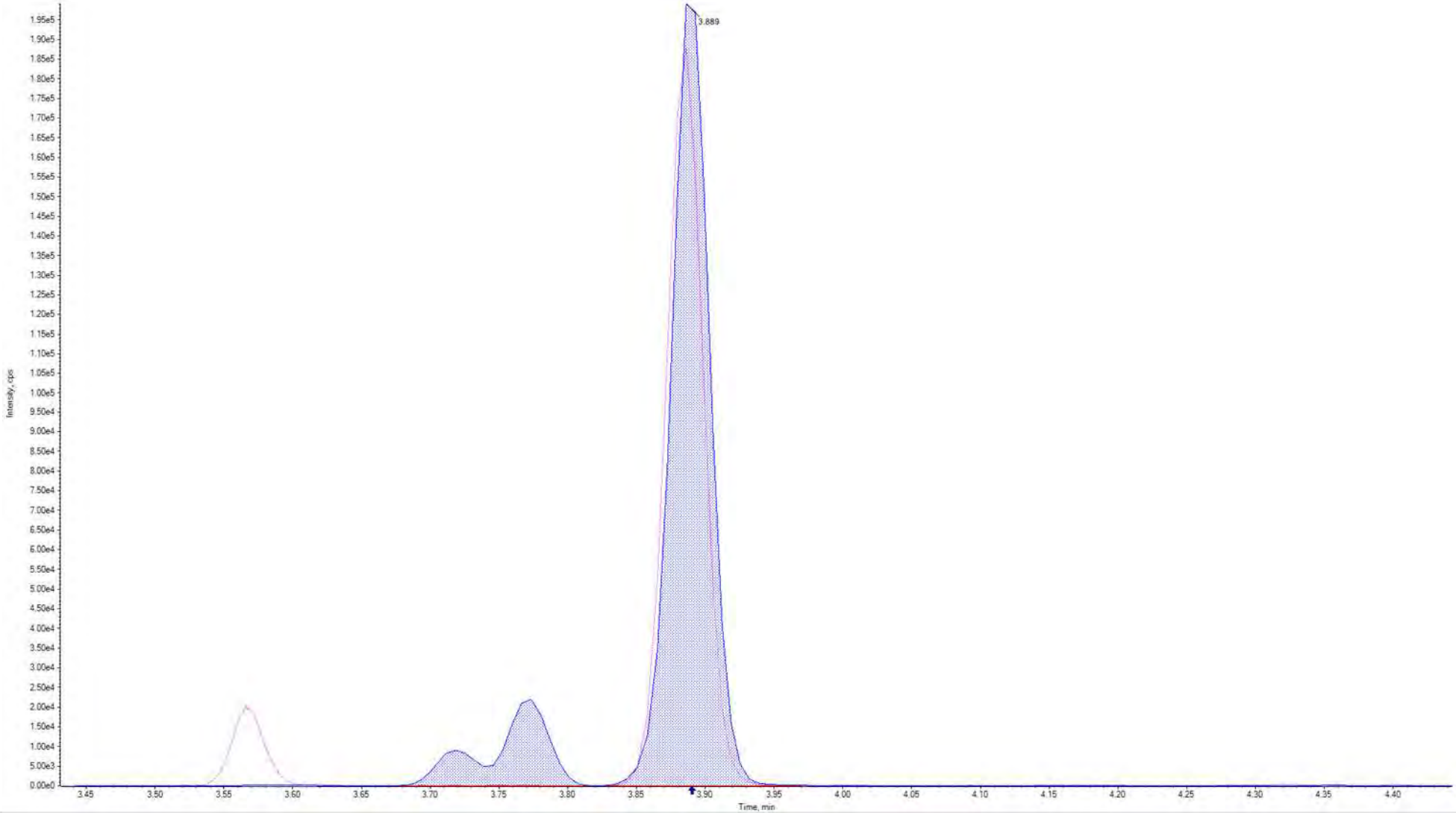
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_21.wiff2_6
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFOS
Sample: IA1633STD-12.5 S/N:600.9 Points Across peak:72



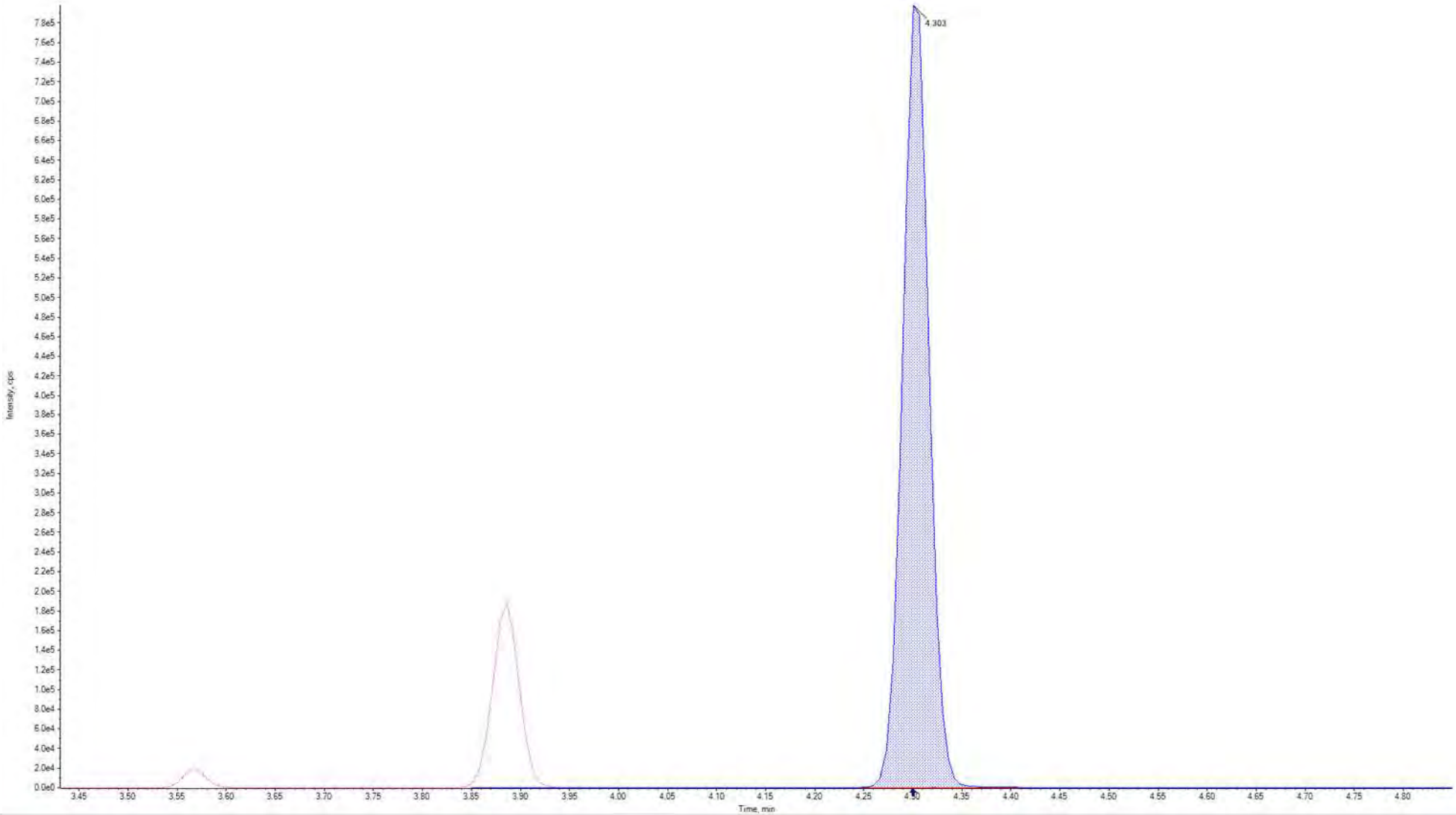
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_21.wiff2_6
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFOS_2
Sample: IA1633STD-12.5 S/N:1120.3 Points Across peak:45



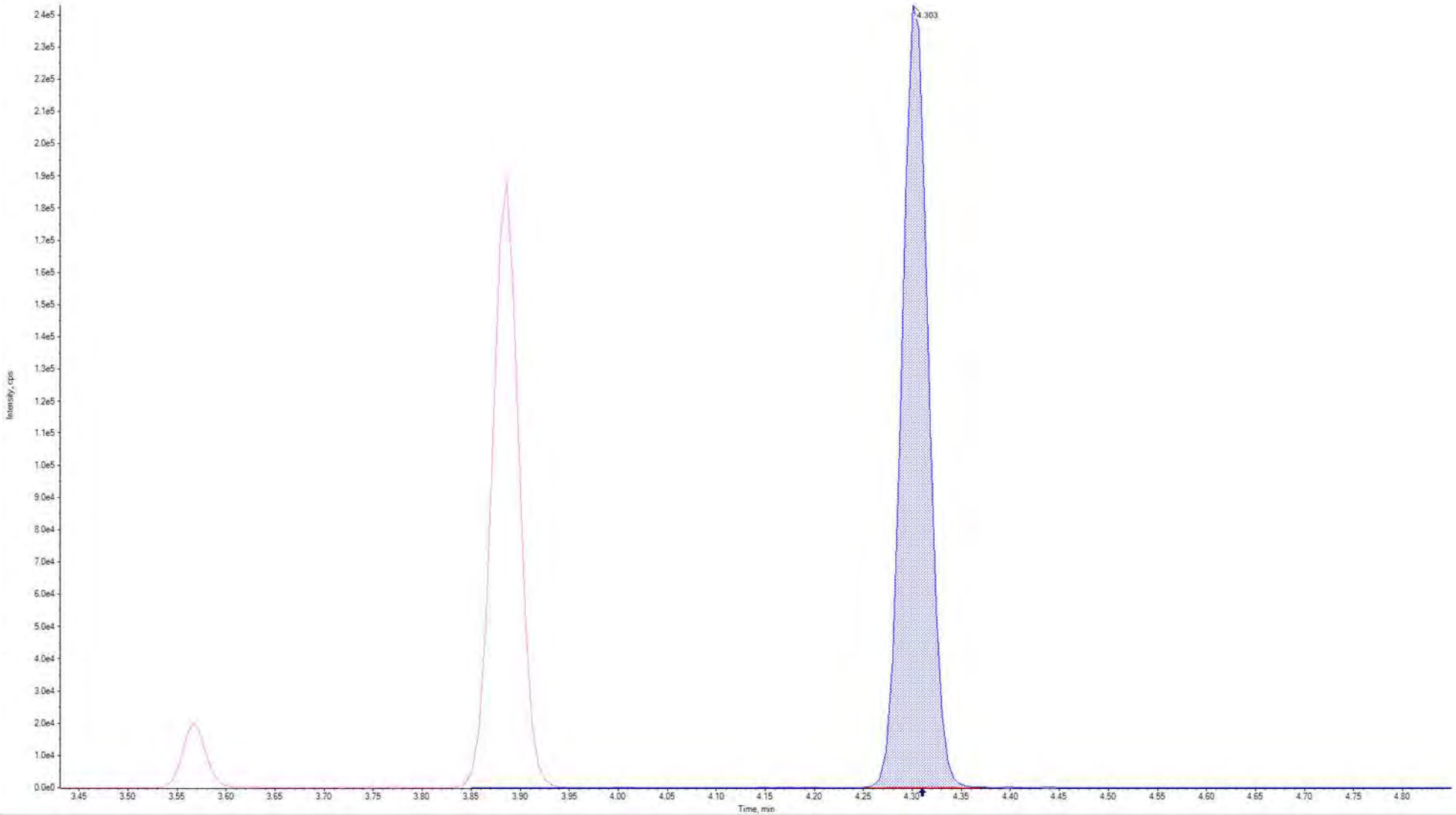
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_21.wiff2_6
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFNS
Sample: IA1633STD-12.5 S/N:19002.9 Points Across peak:37



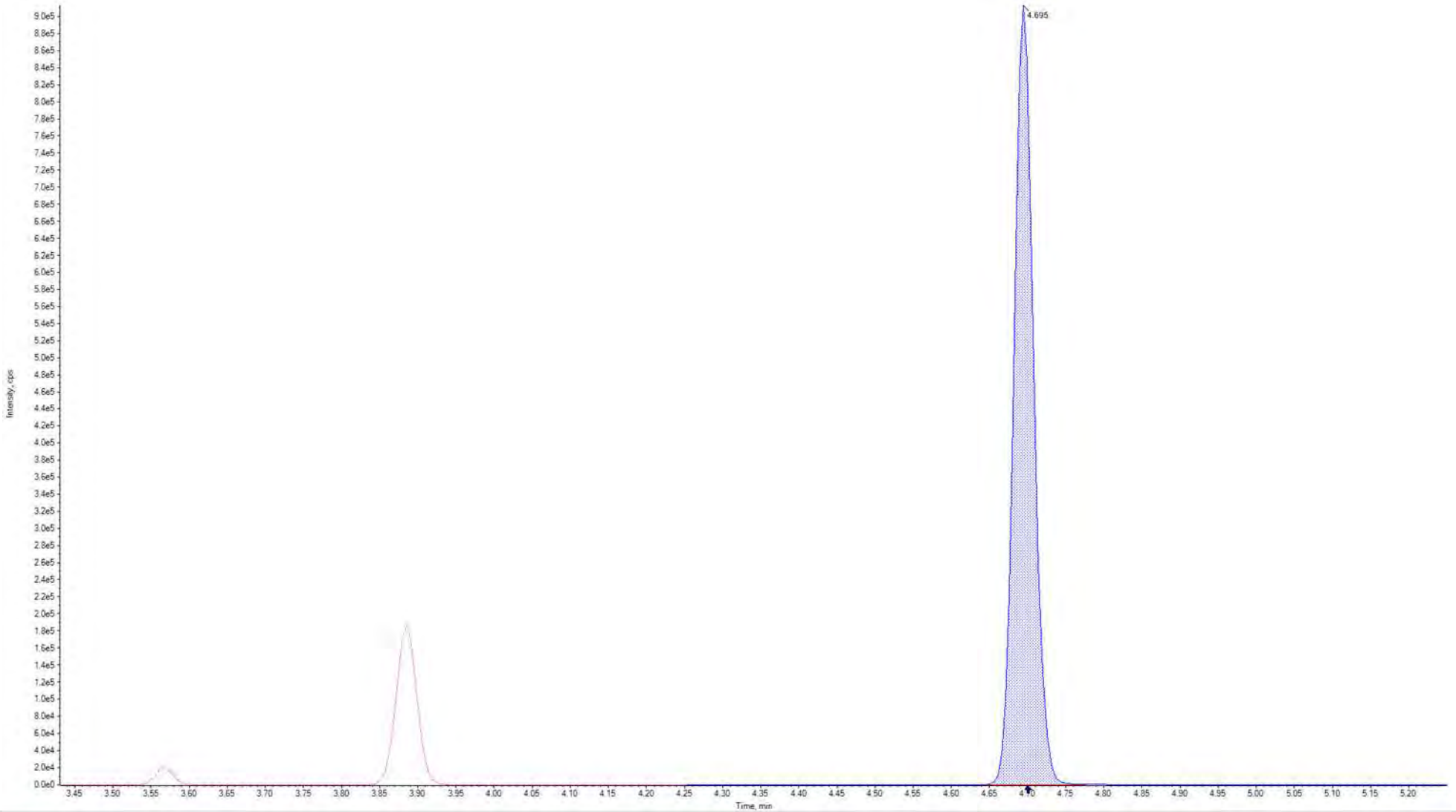
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_21.wiff2_6
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFNS_2
Sample: IA1633STD-12.5 S/N:6089.4 Points Across peak:24



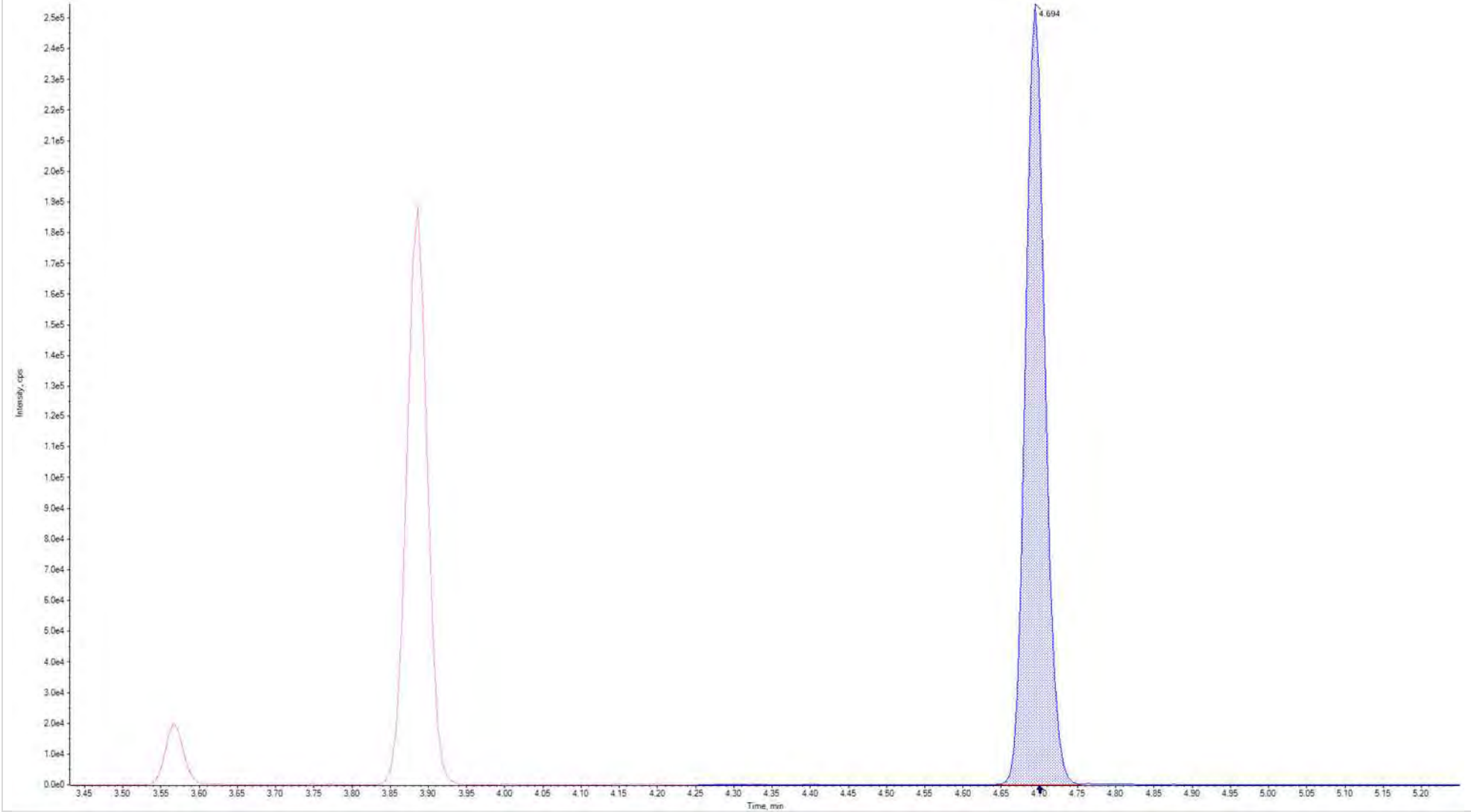
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_21.wiff2_6
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFDS
Sample: IA1633STD-12.5 S/N:28720.3 Points Across peak:29



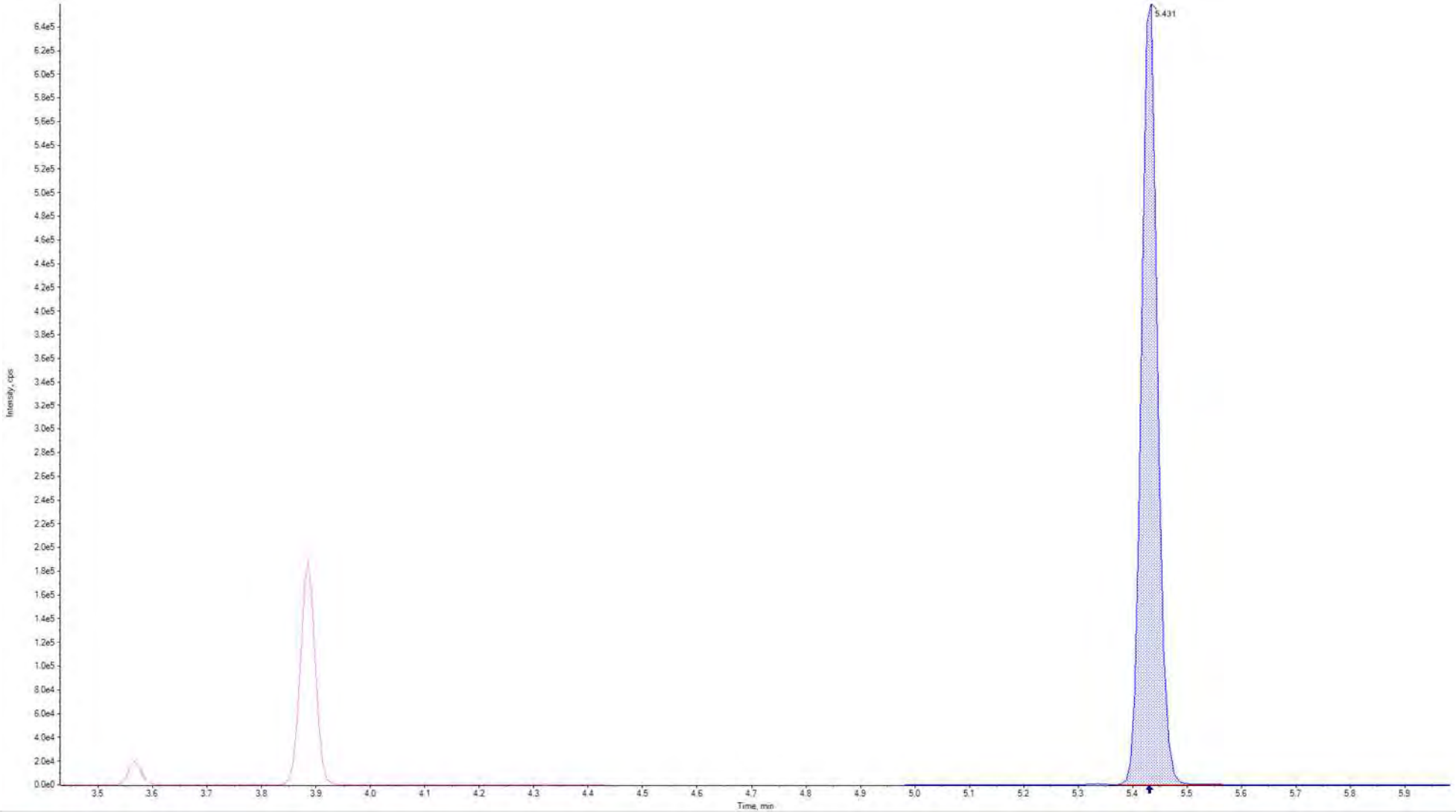
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_21.wiff2_6
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFDS_2
Sample: IA1633STD-12.5 S/N:8934.1 Points Across peak:27



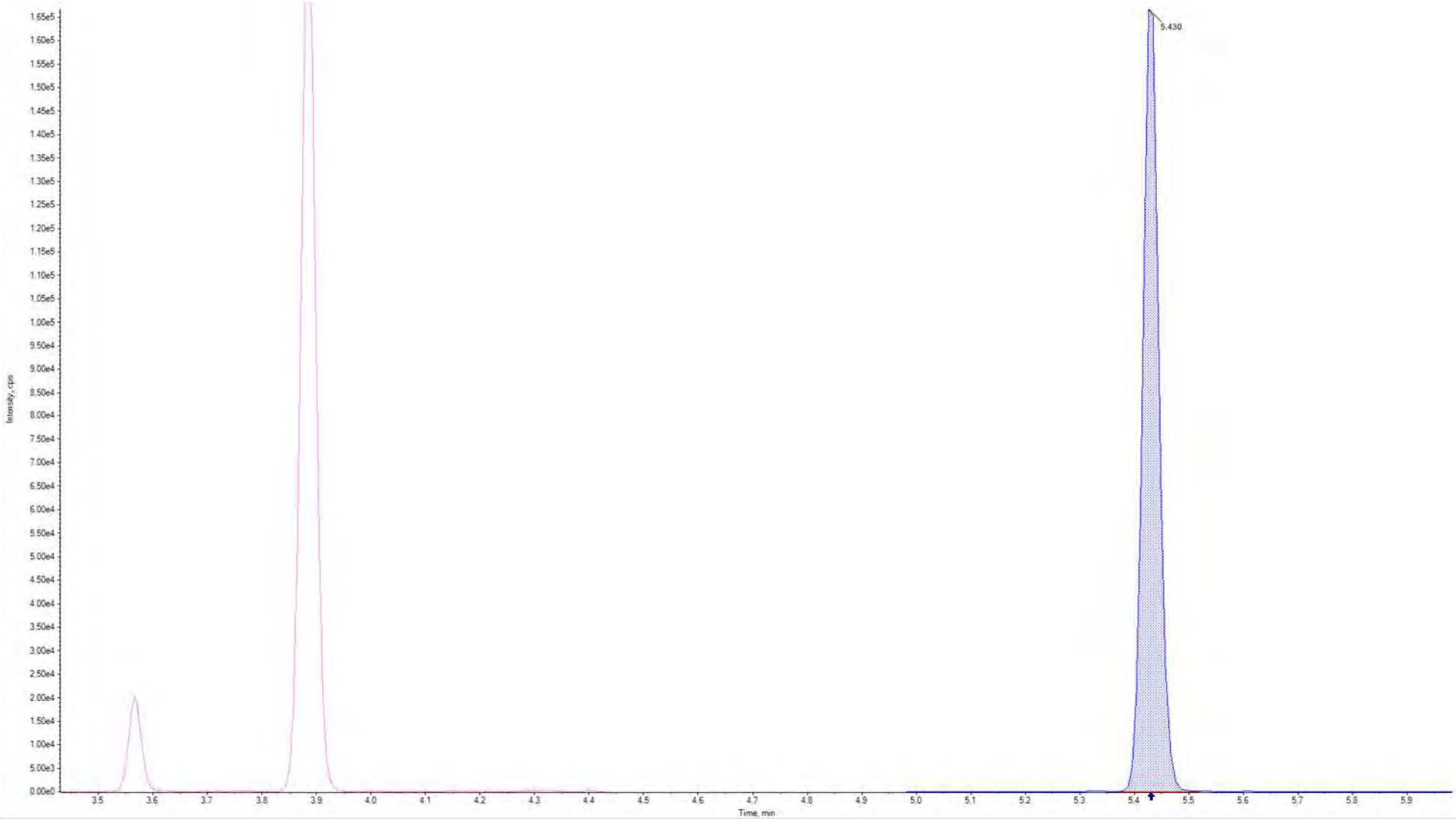
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_21.wiff2_6
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFDoS
Sample: IA1633STD-12.5 S/N:5465.8 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_21.wiff2_6
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFDoS_2
Sample: IA1633STD-12.5 S/N:2936.4 Points Across peak:21



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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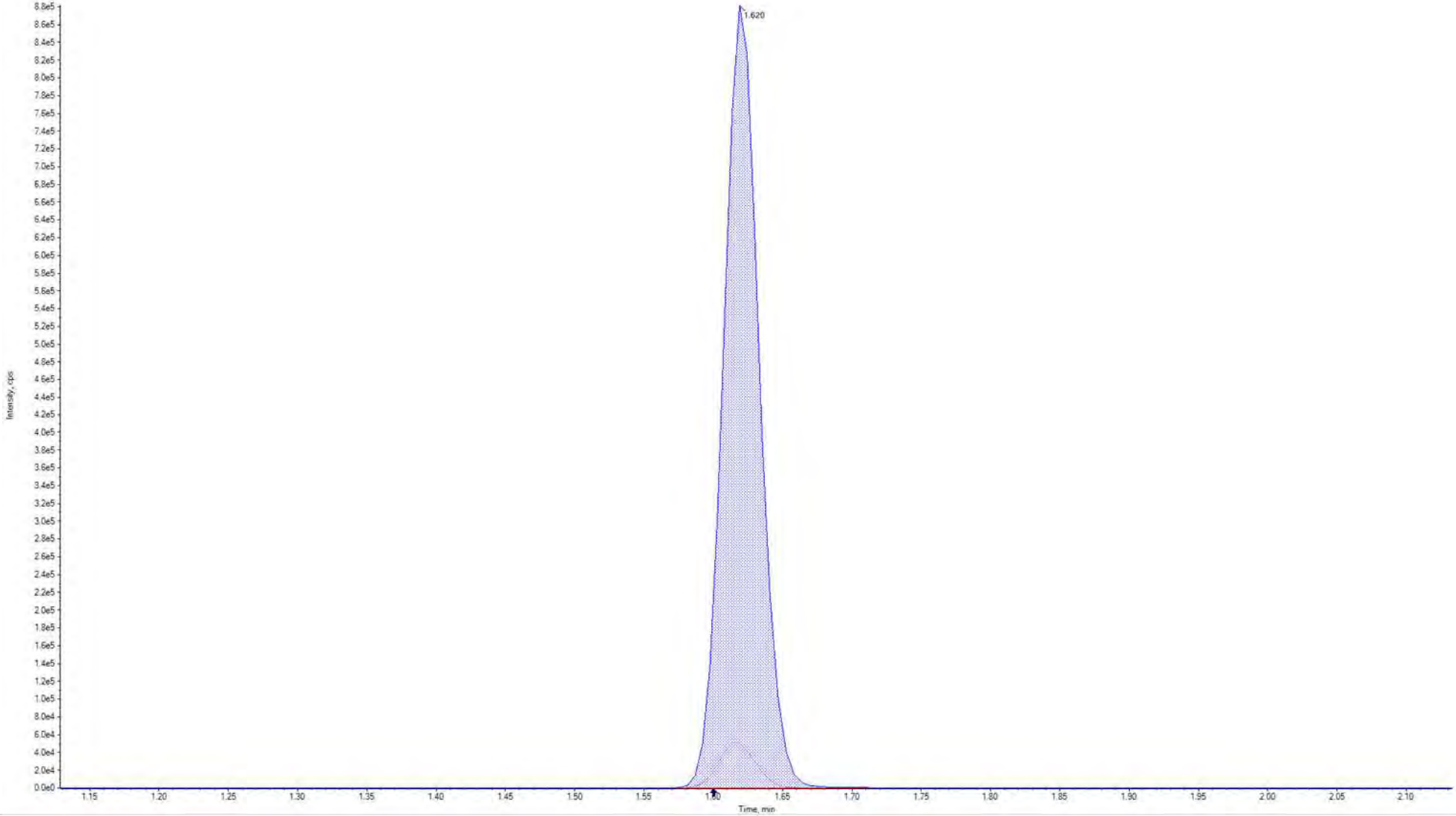
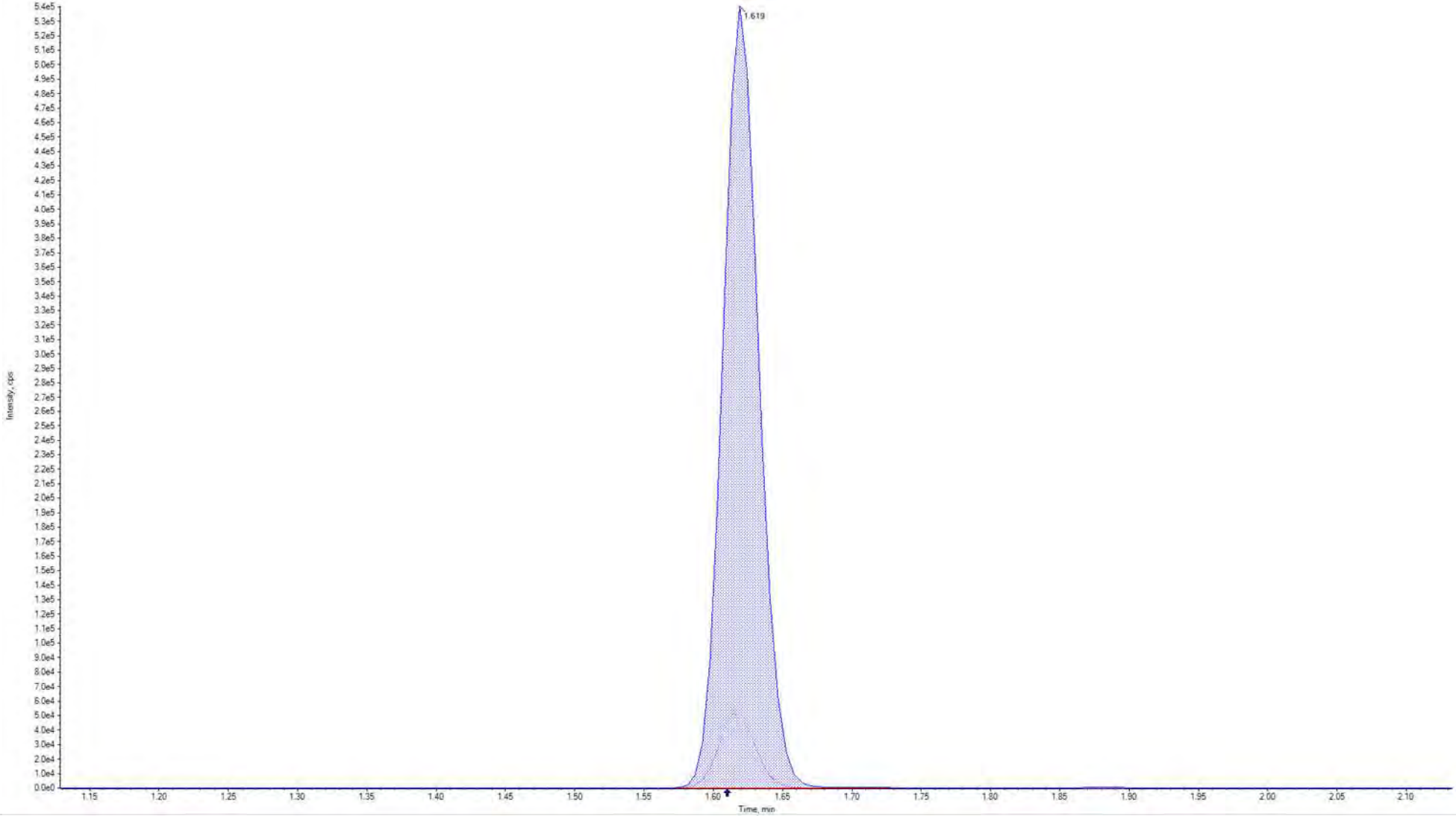
Generated: 11/12/2024 2:03:37 PM

4:2FTS
Sample: IA1633STD-12.5 S/N:10521.1 Points Across peak:31

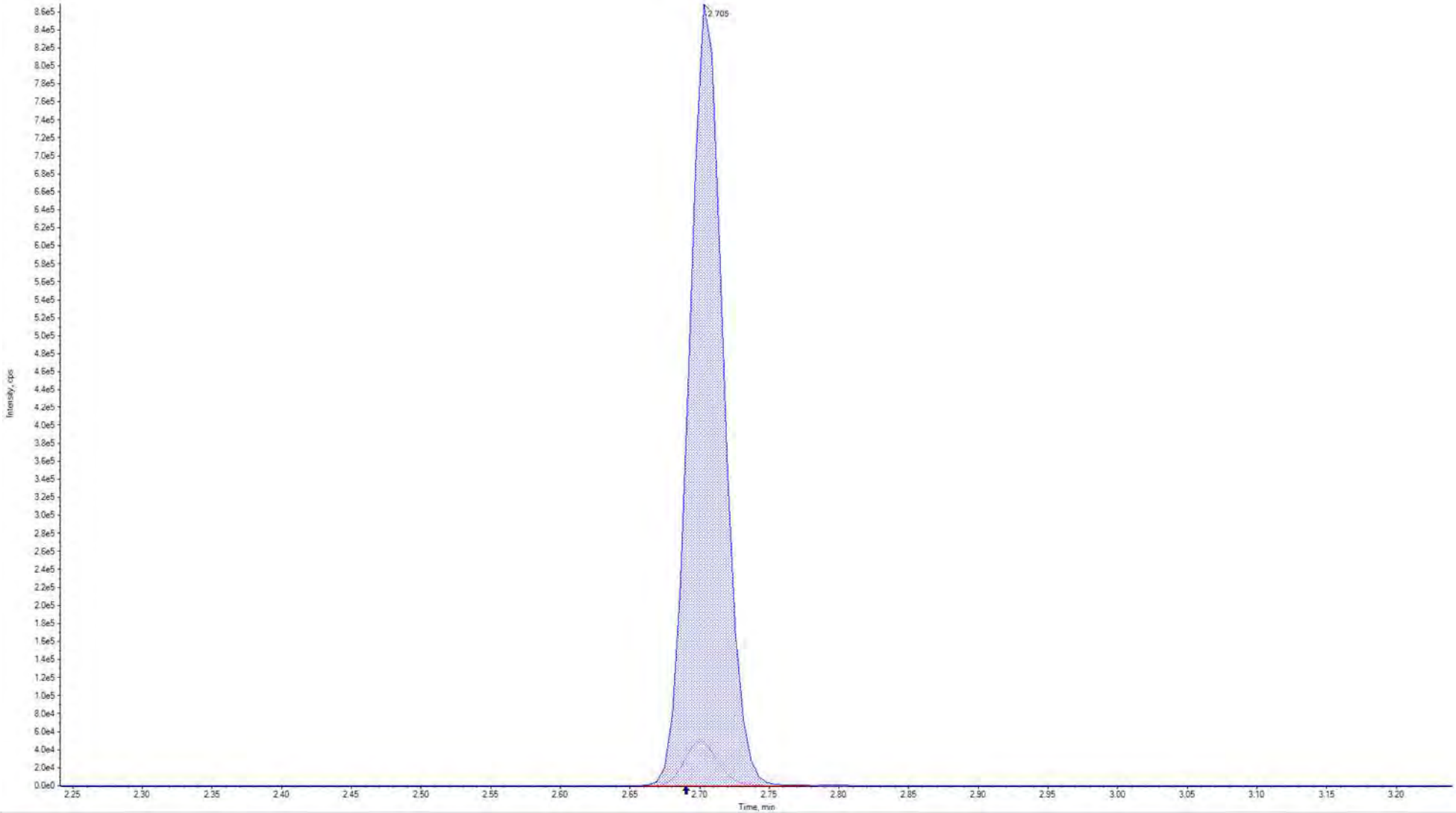


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_21.wiff2_6
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

4:2FTS_2
Sample: IA1633STD-12.5 S/N:20320.2 Points Across peak:35

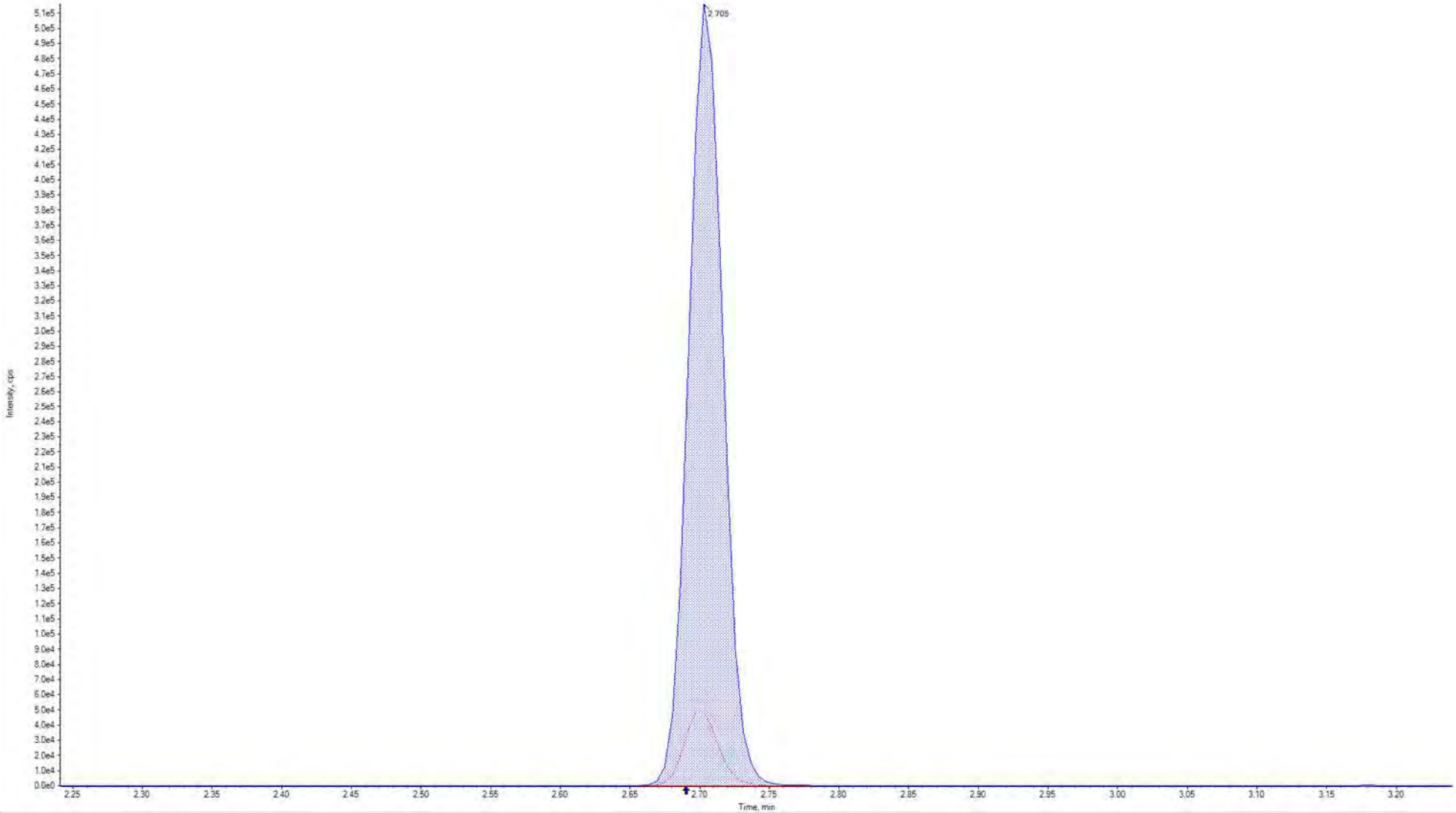


6:2FTS
Sample: IA1633STD-12.5 S/N:7091.0 Points Across peak:30

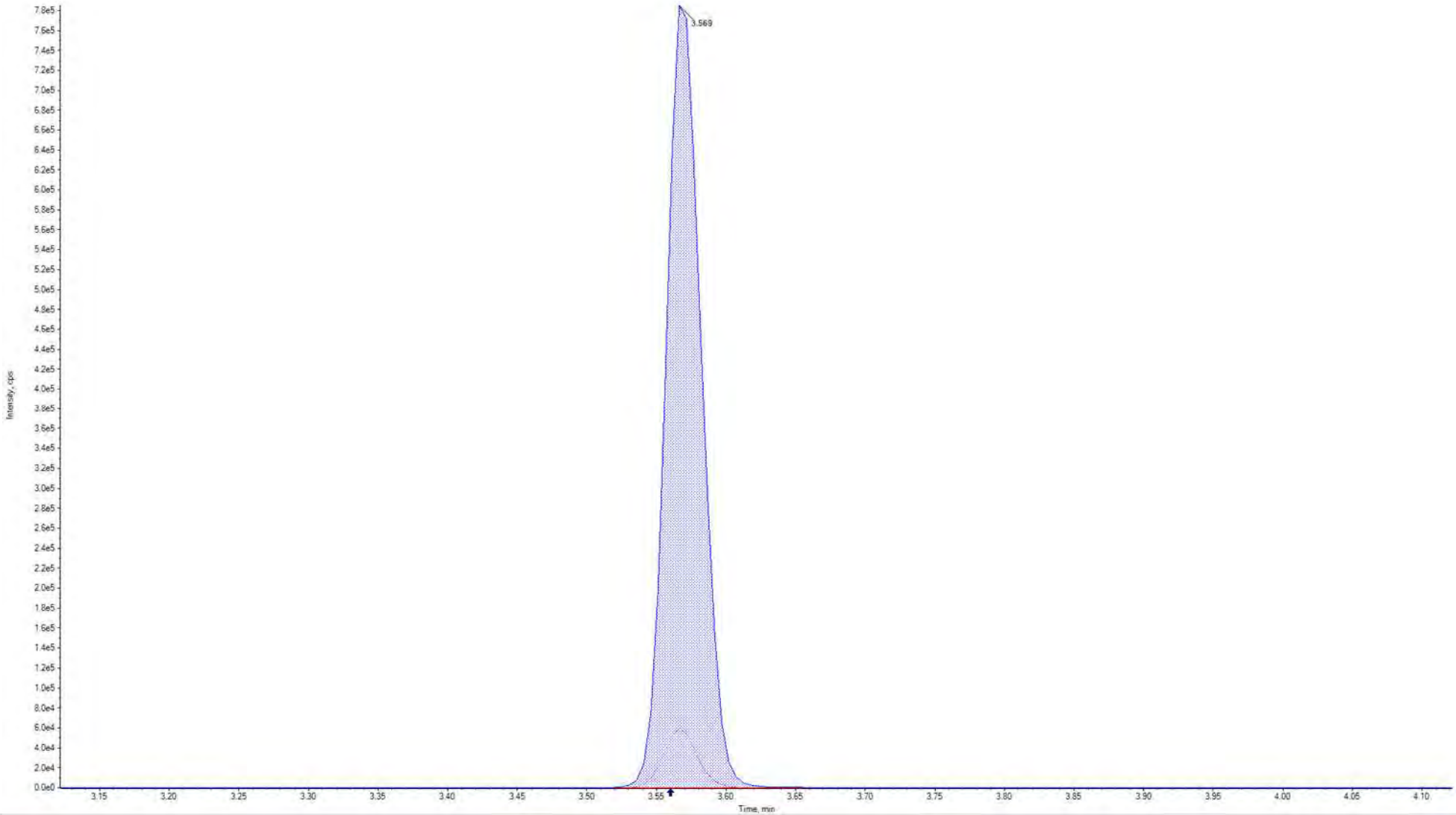


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_21.wiff2_6
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

6:2FTS_2
Sample: IA1633STD-12.5 S/N:10348.8 Points Across peak:34



8:2FTS
Sample: IA1633STD-12.5 S/N:9591.9 Points Across peak:33



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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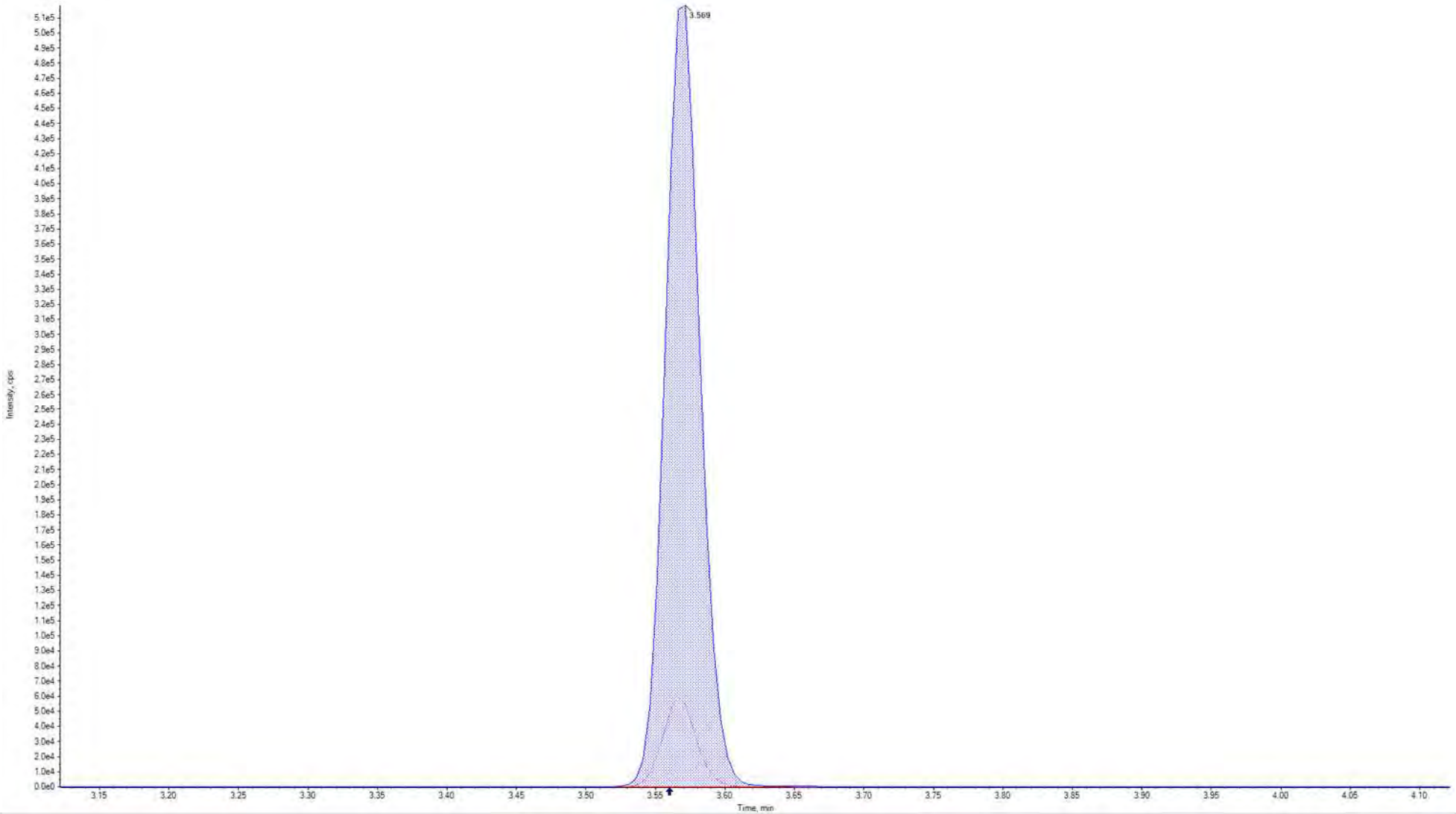
8:2FTS_2
Sample: IA1633STD-12.5 S/N:5473.8 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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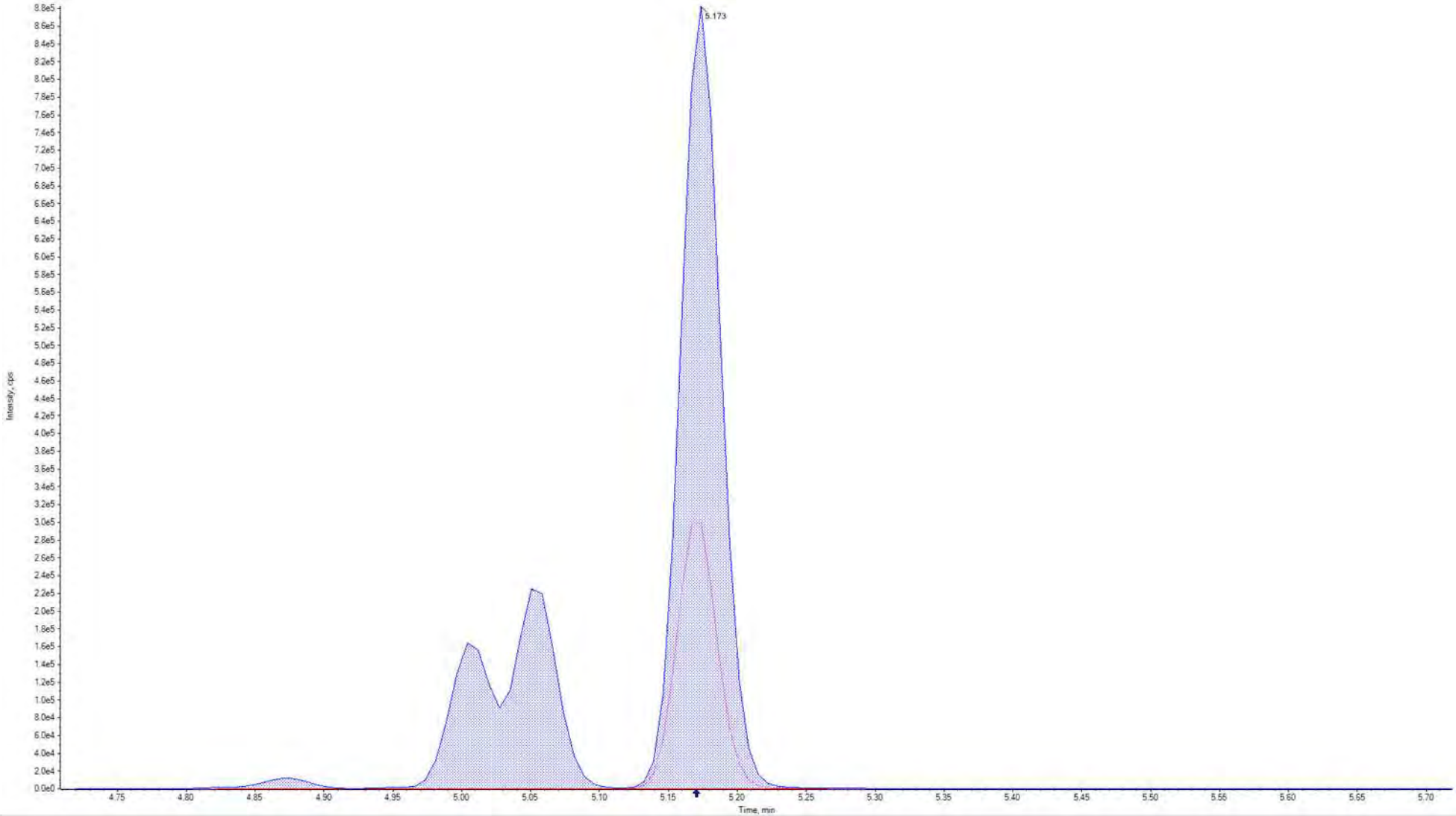
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFOSA
Sample: IA1633STD-12.5 S/N:378.2 Points Across peak:66



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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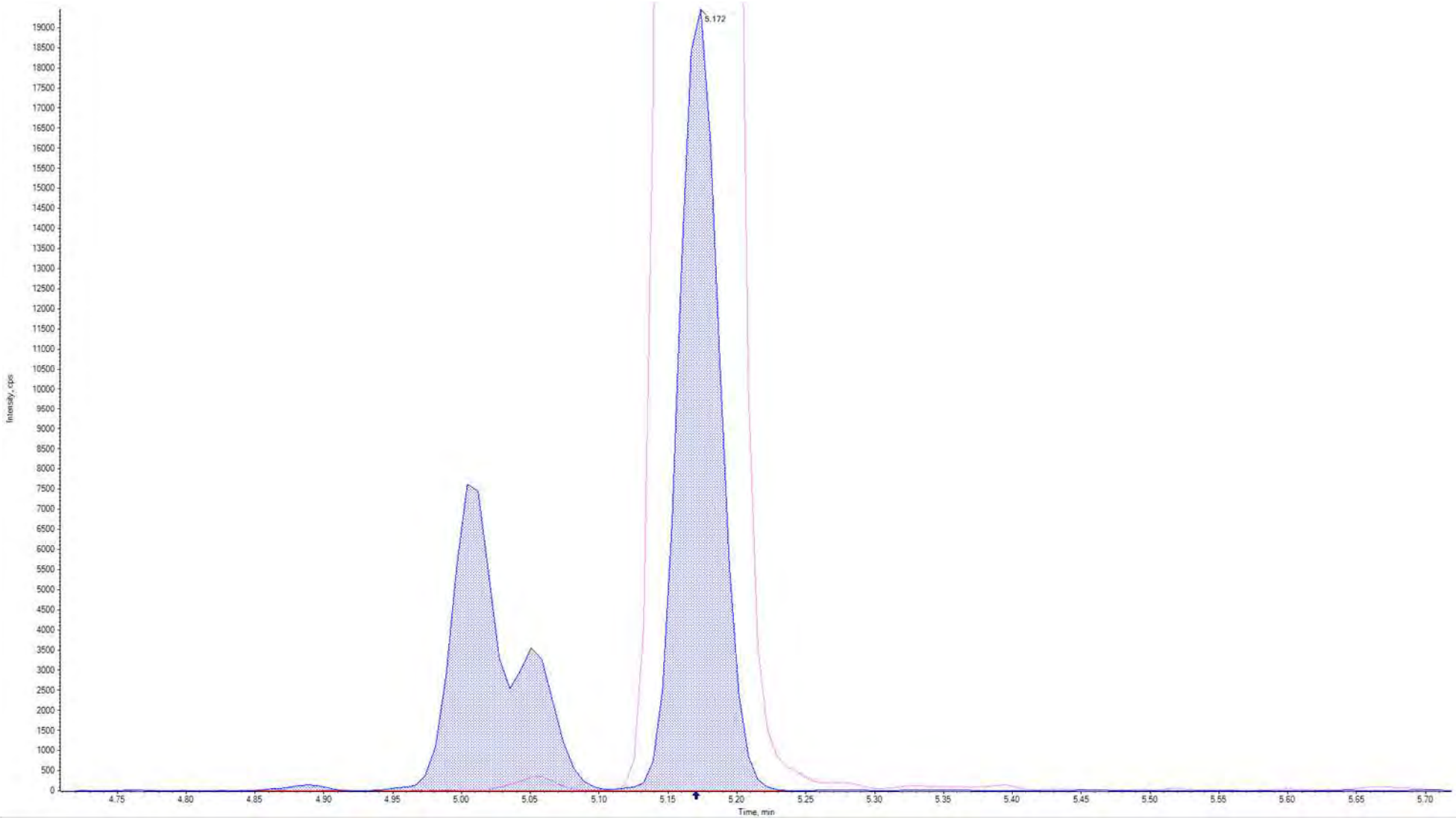
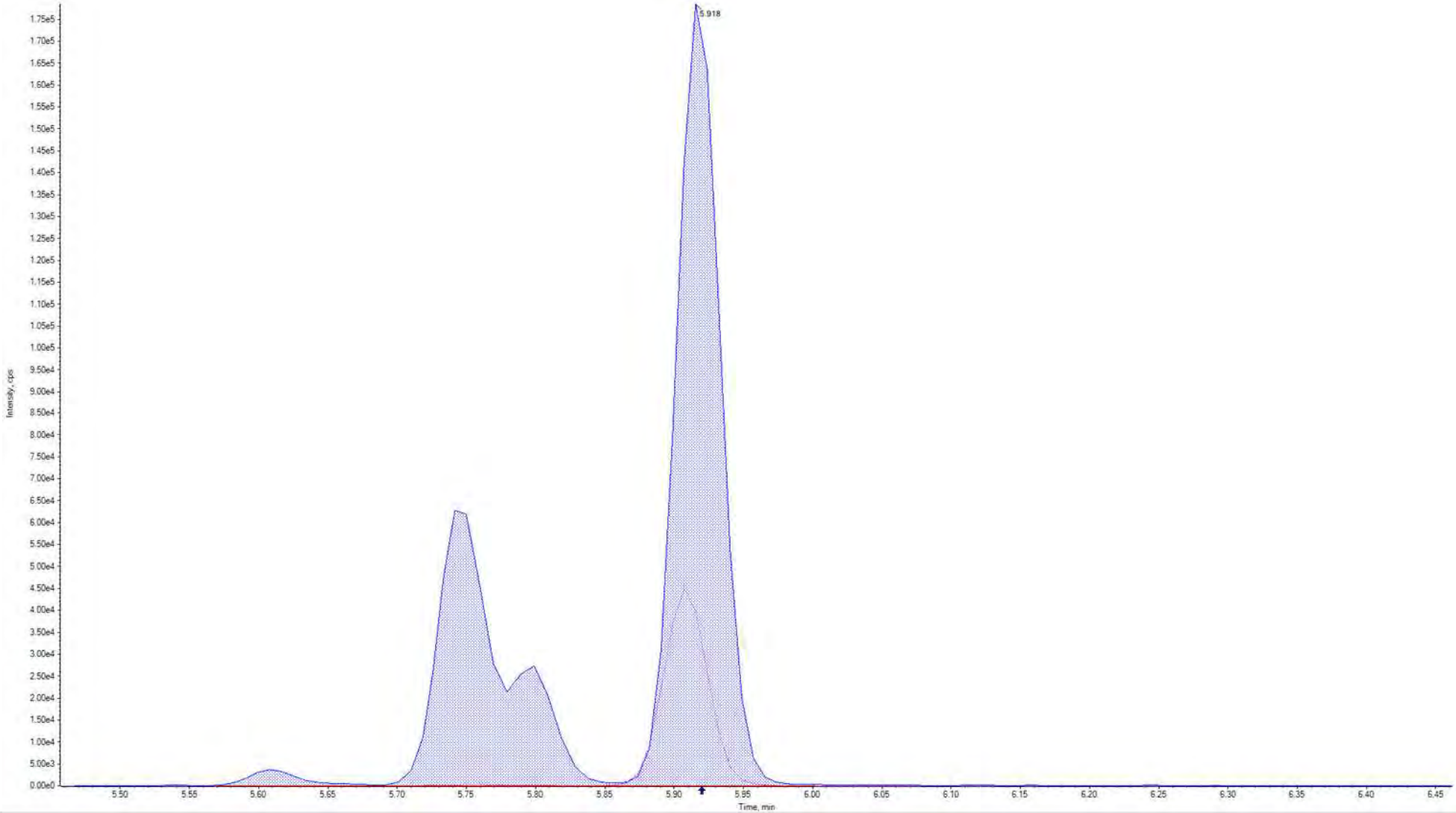
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFOSA_2
Sample: IA1633STD-12.5 S/N:350.5 Points Across peak:60



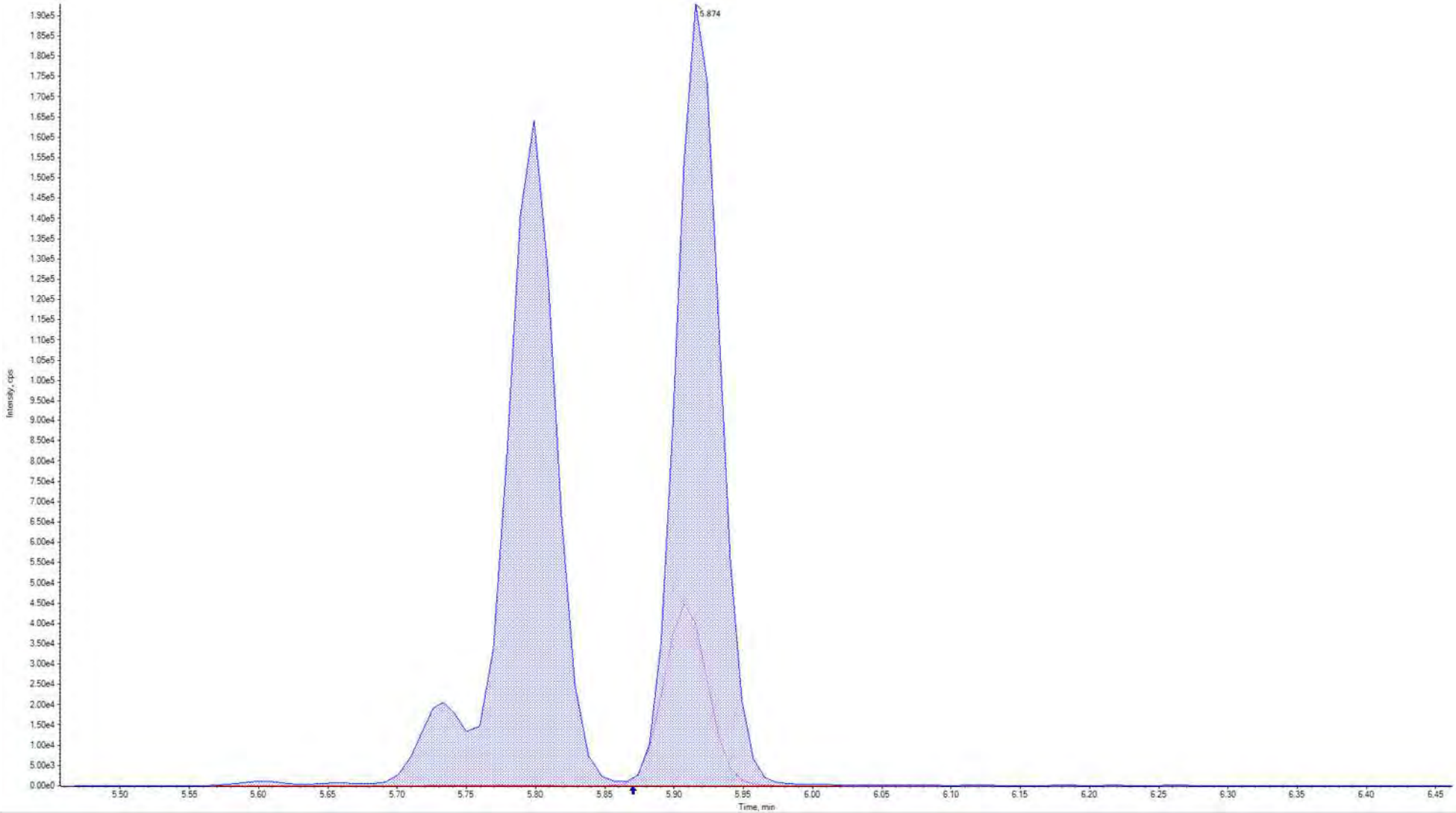
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_21.wiff2_6
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NMeFOSA
Sample: IA1633STD-12.5 S/N:339.1 Points Across peak:51



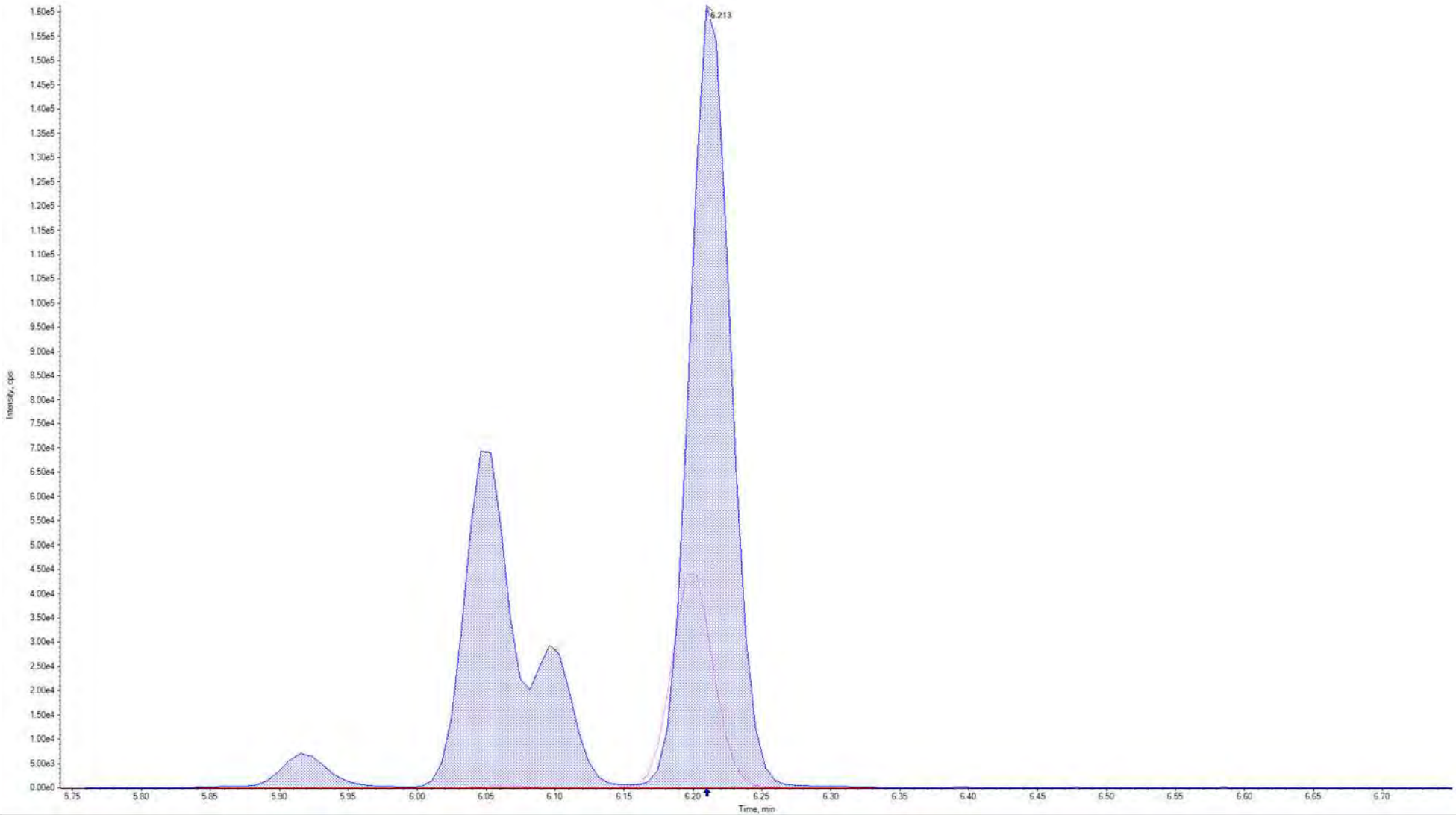
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_21.wiff2_6
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NMeFOSA_2
Sample: IA1633STD-12.5 S/N:312.5 Points Across peak:54



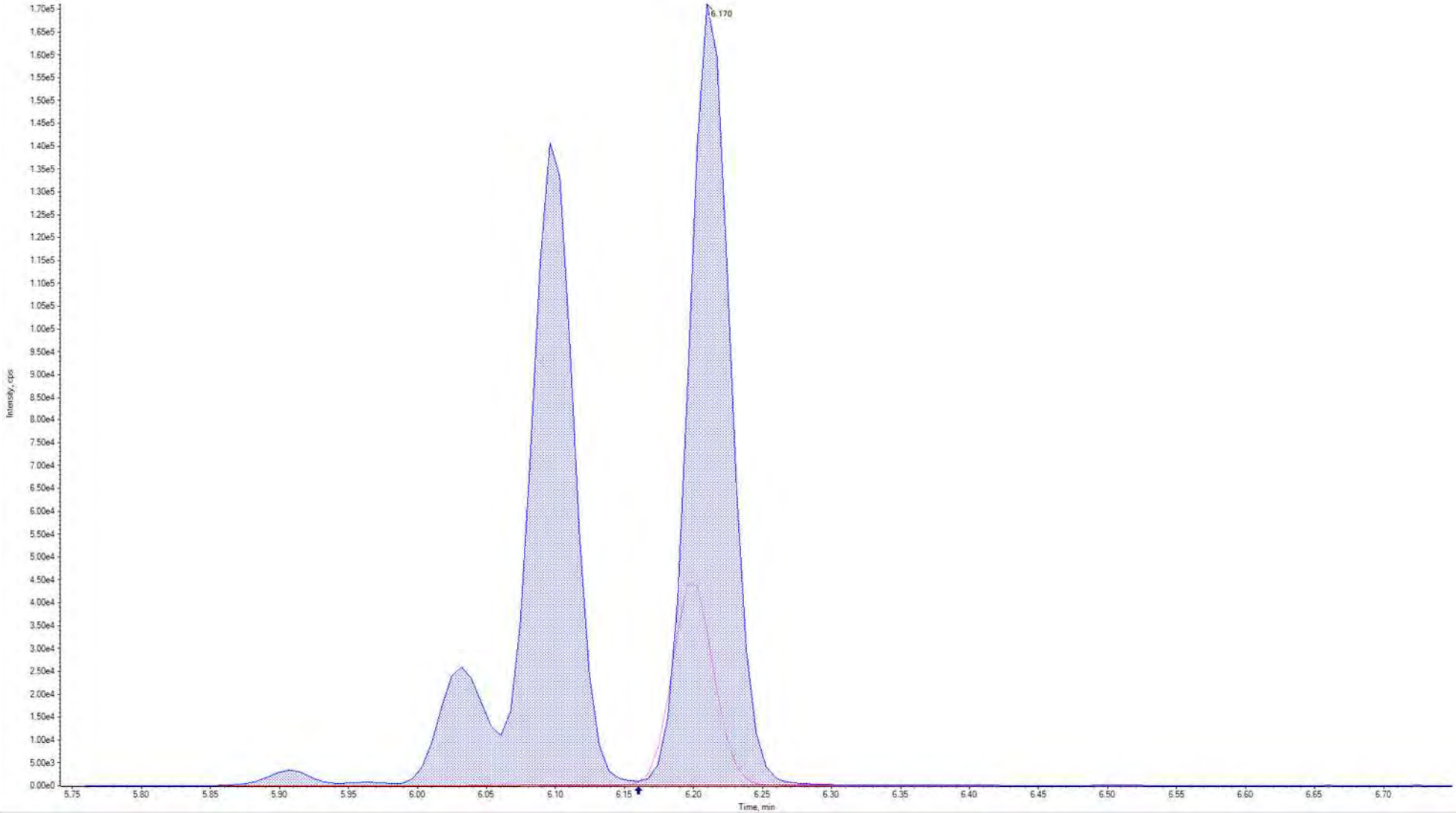
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_21.wiff2_6
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NEtFOSA
Sample: IA1633STD-12.5 S/N:673.4 Points Across peak:72



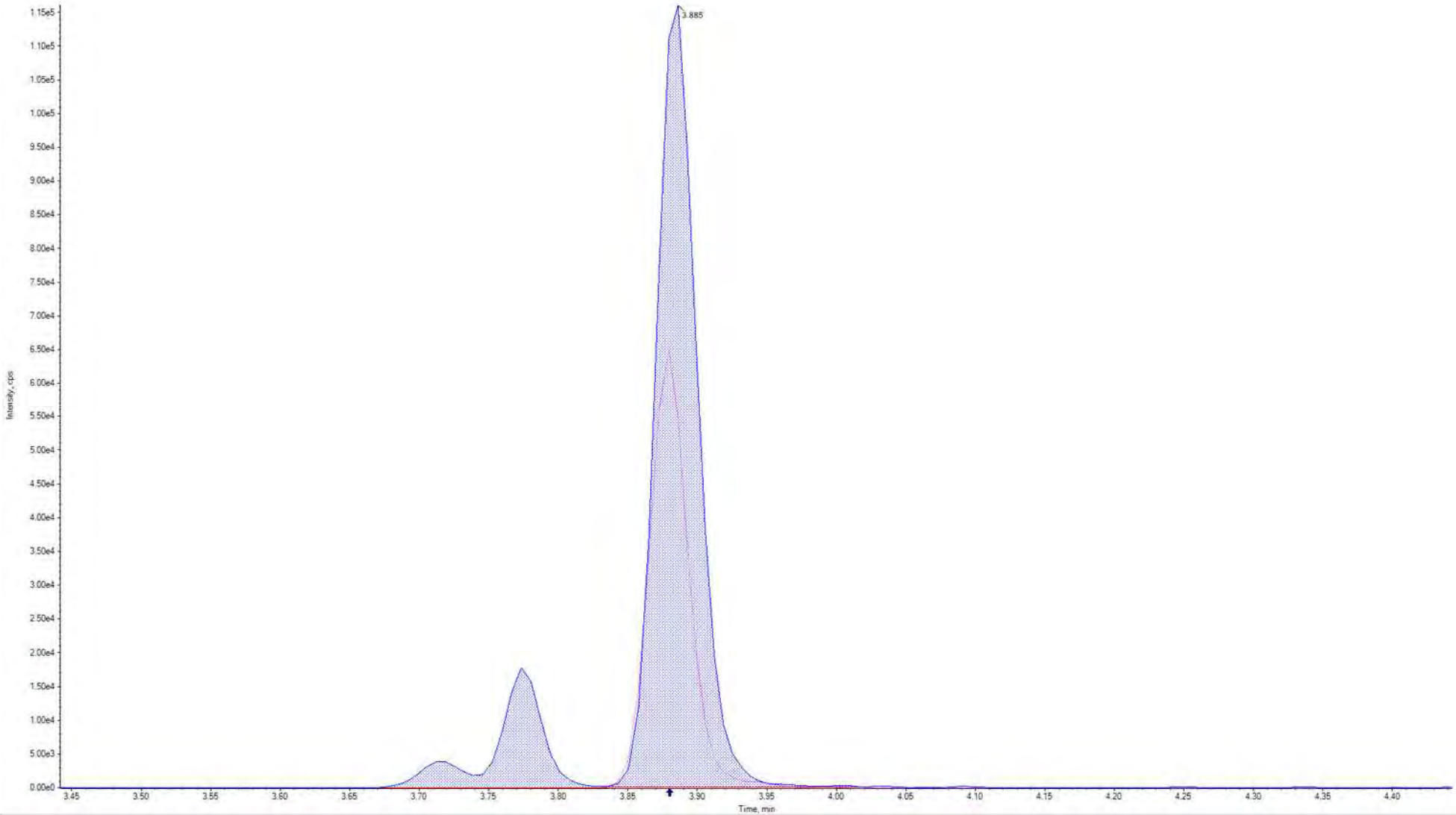
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_21.wiff2_6
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NEtFOSA_2
Sample: IA1633STD-12.5 S/N:628.3 Points Across peak:71



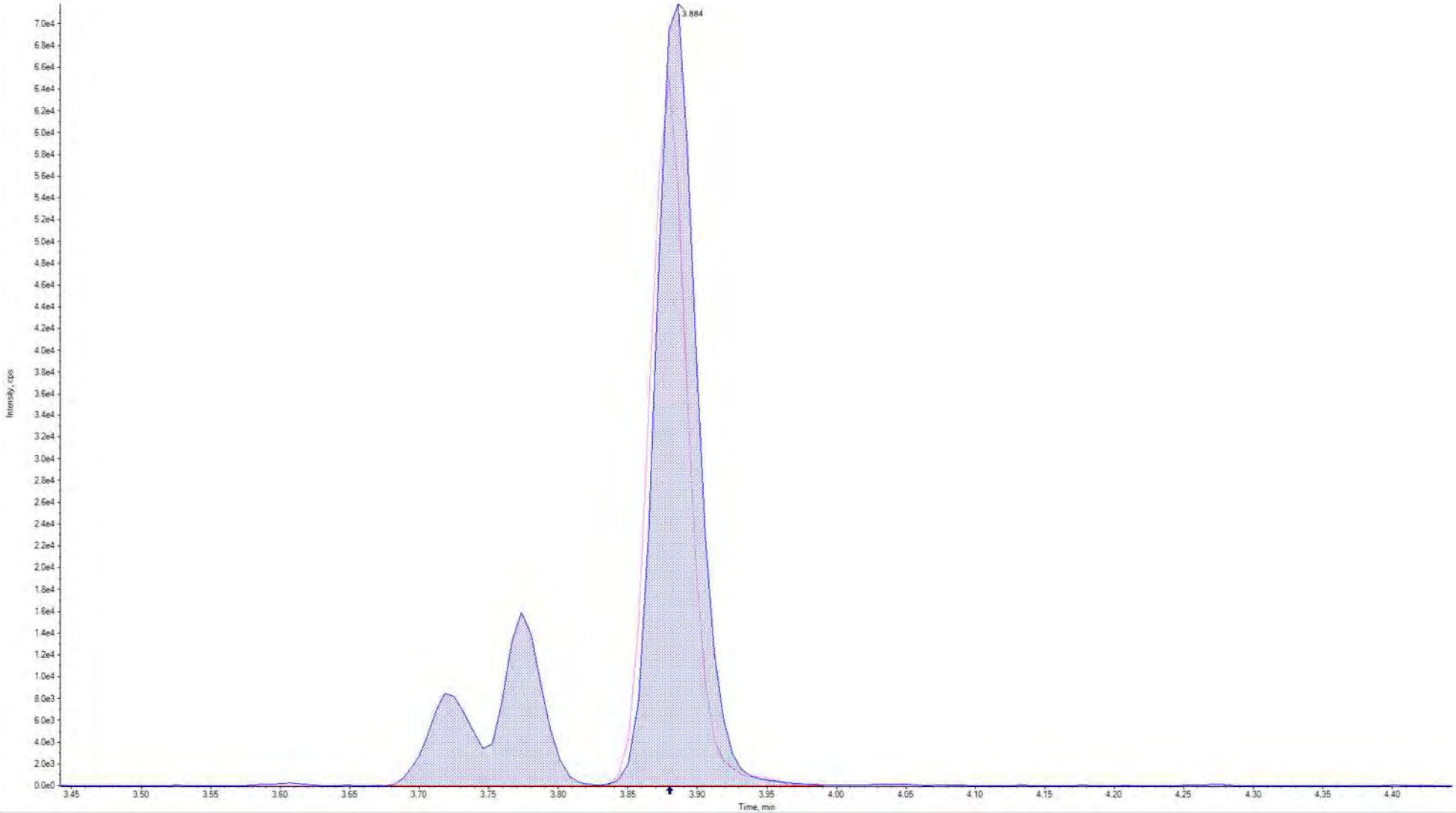
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_21.wiff2_6
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NMeFOSAA
Sample: IA1633STD-12.5 S/N:727.5 Points Across peak:56



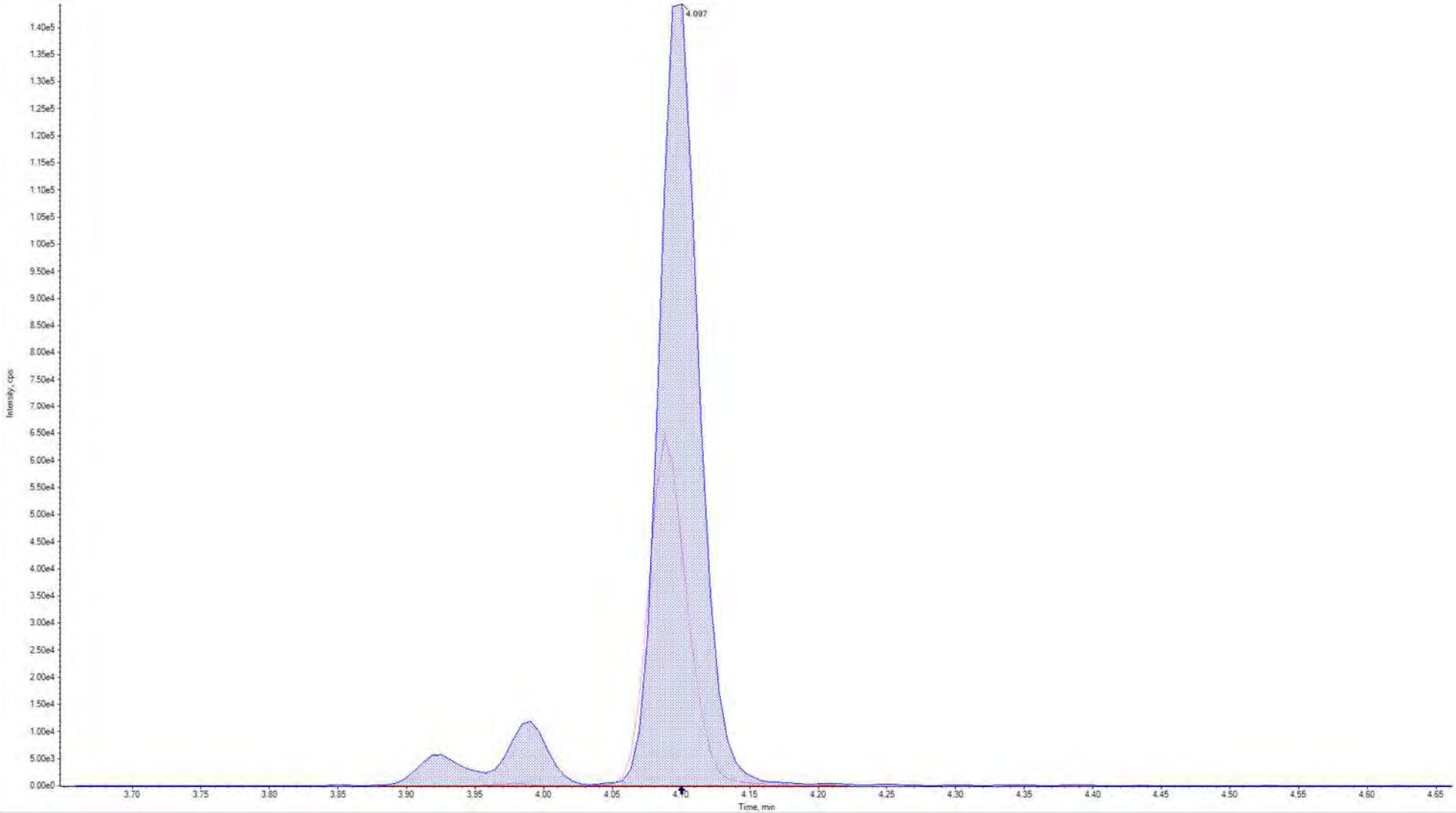
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_21.wiff2_6
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NMeFOSAA_2
Sample: IA1633STD-12.5 S/N:544.1 Points Across peak:50



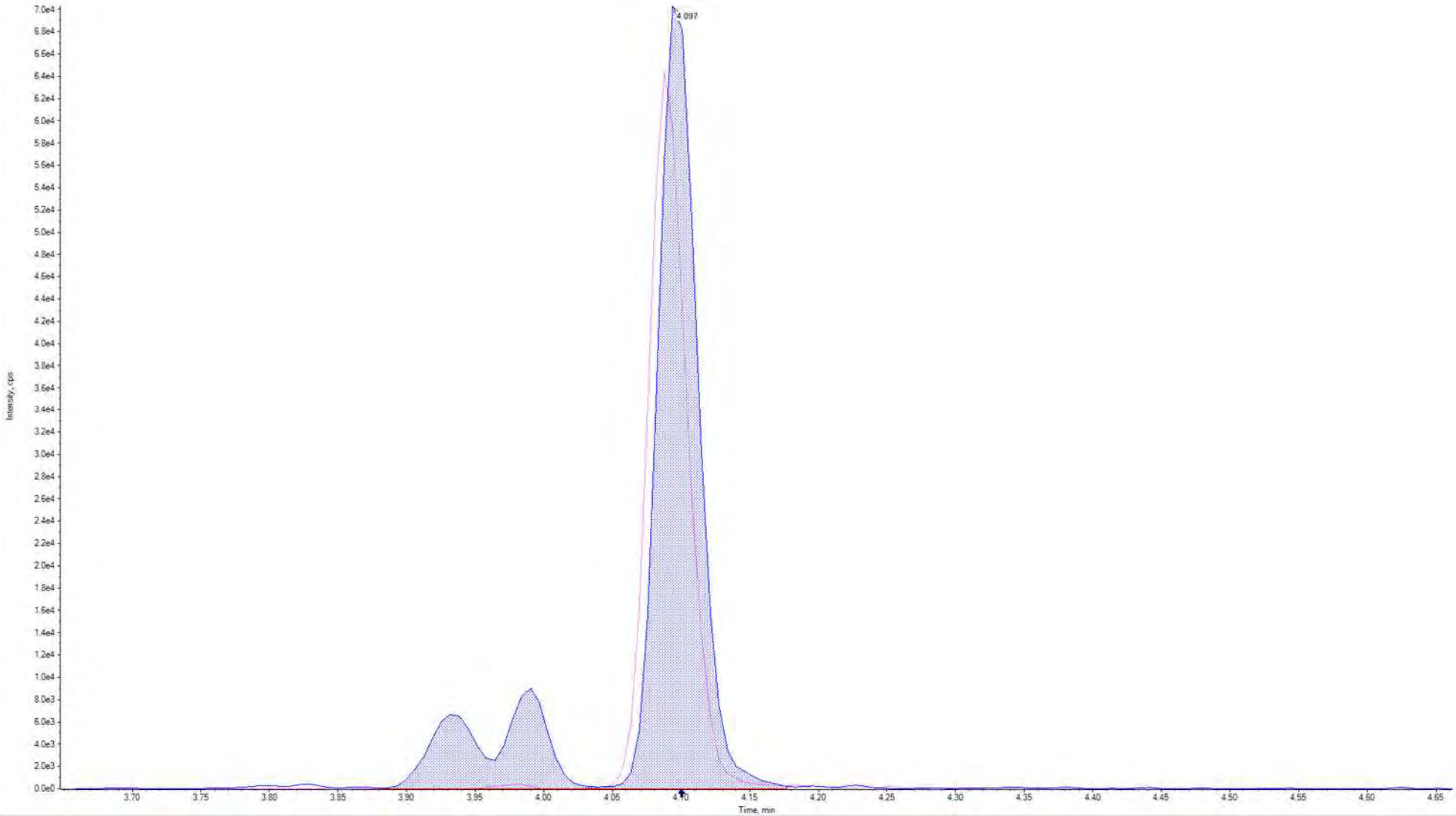
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_21.wiff2_6
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NEtFOSAA
Sample: IA1633STD-12.5 S/N:796.2 Points Across peak:56



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_21.wiff2_6
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NEtFOSAA_2
Sample: IA1633STD-12.5 S/N:536.8 Points Across peak:48



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_21.wiff2_6
Last Altered: 11/12/2024 3:16:42 PM
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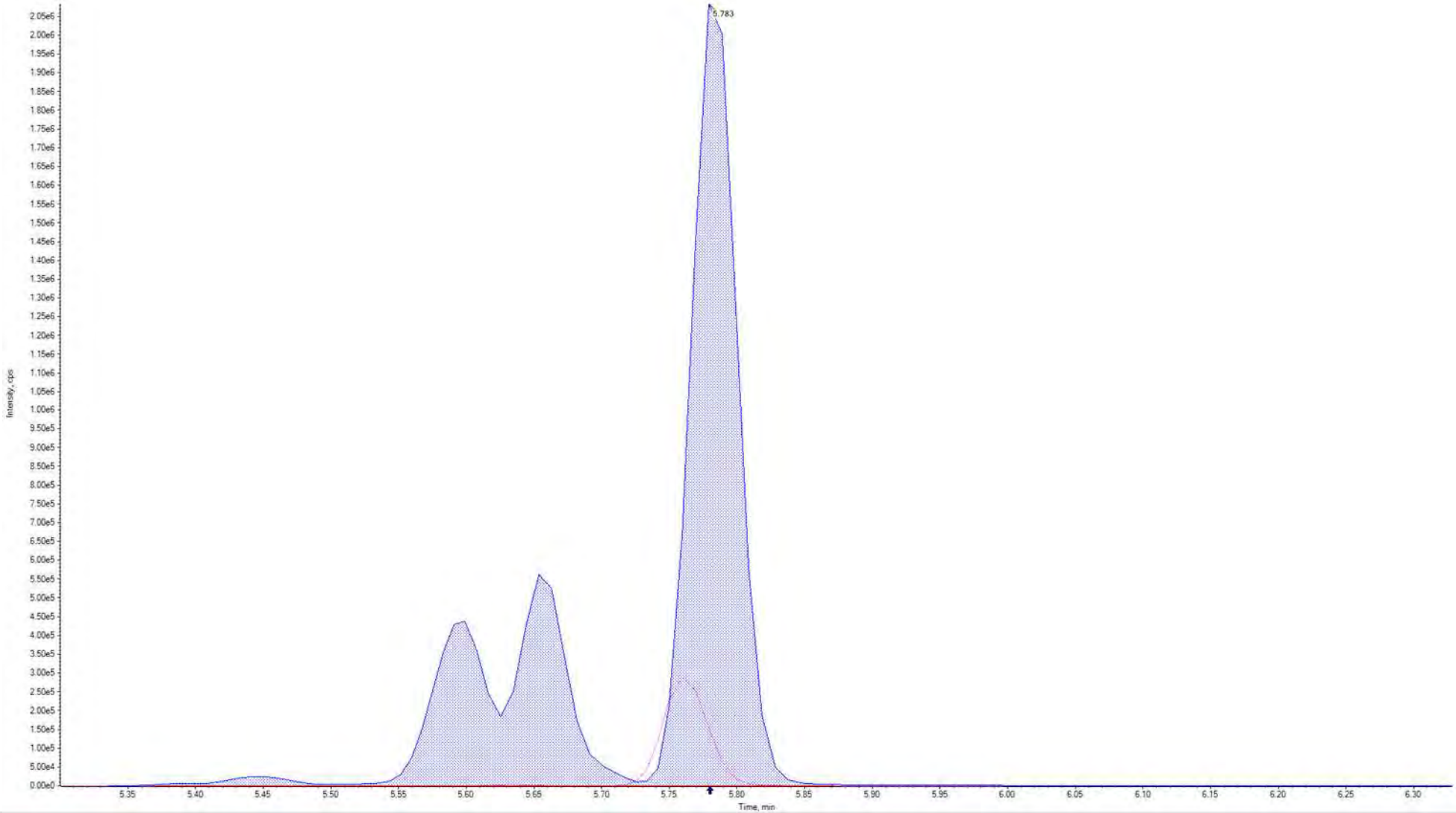
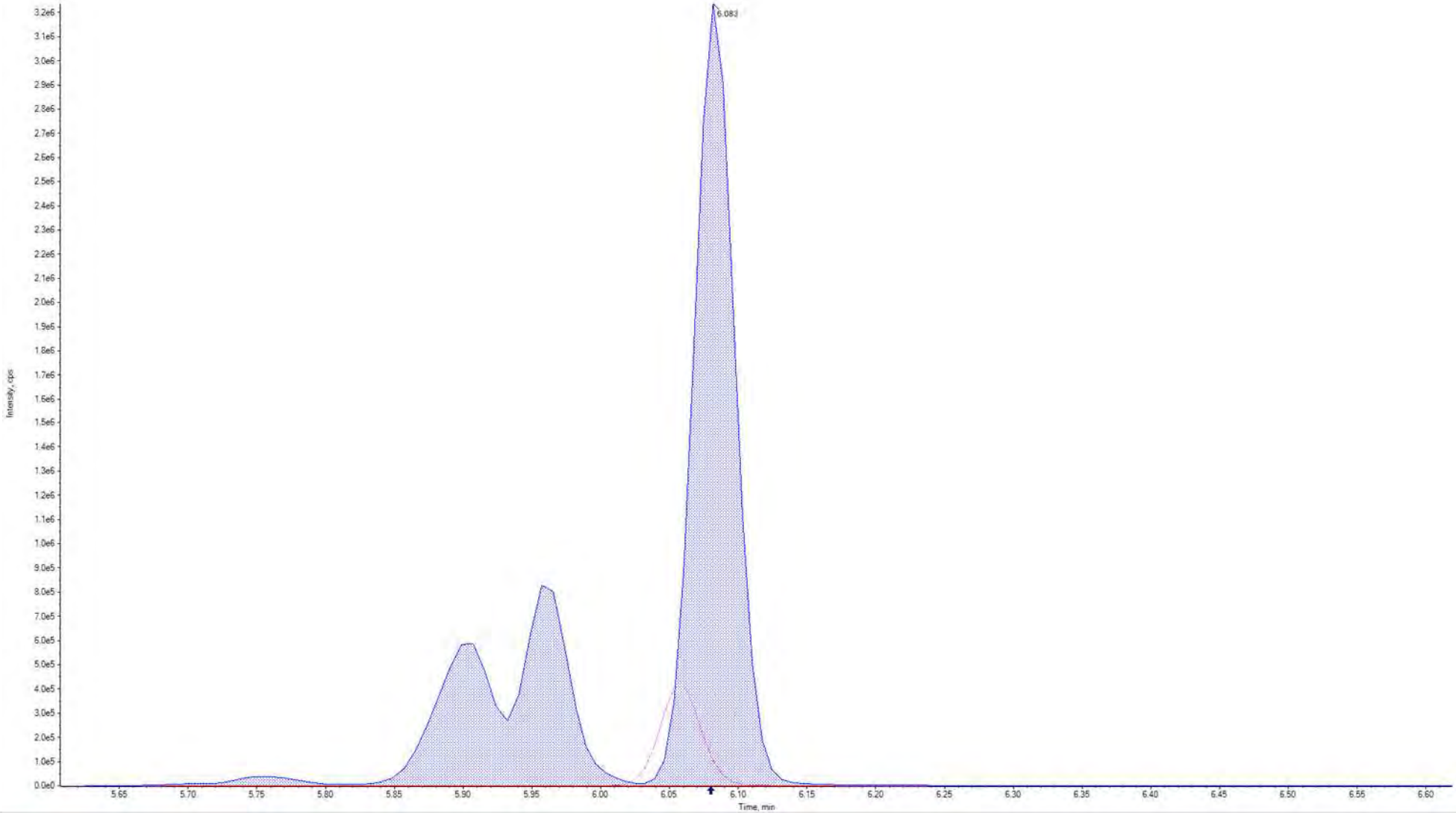
NMeFOSE
Sample: IA1633STD-12.5 S/N:249.0 Points Across peak:60



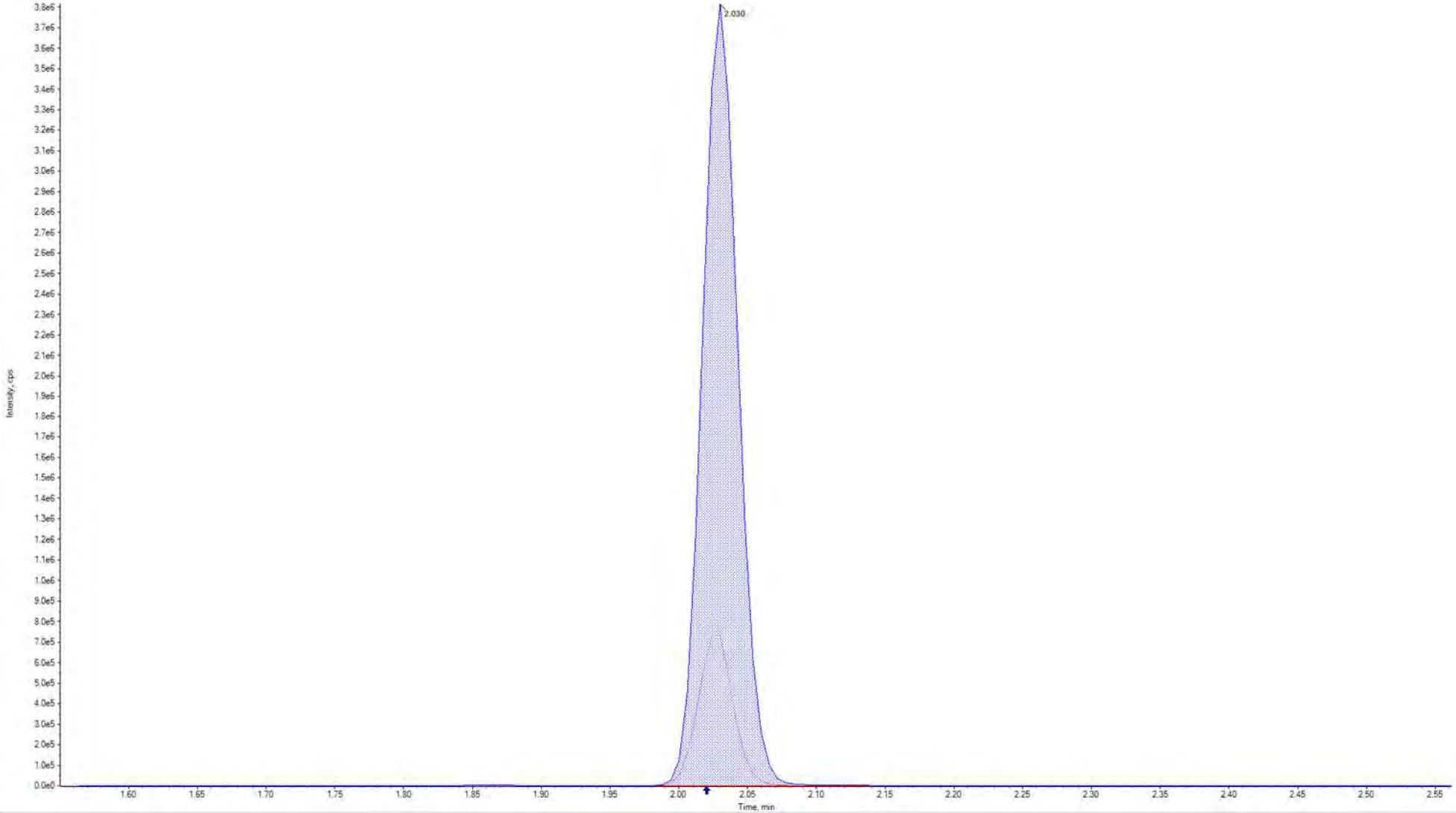
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_21.wiff2_6
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NEtFOSE
Sample: IA1633STD-12.5 S/N:416.2 Points Across peak:62



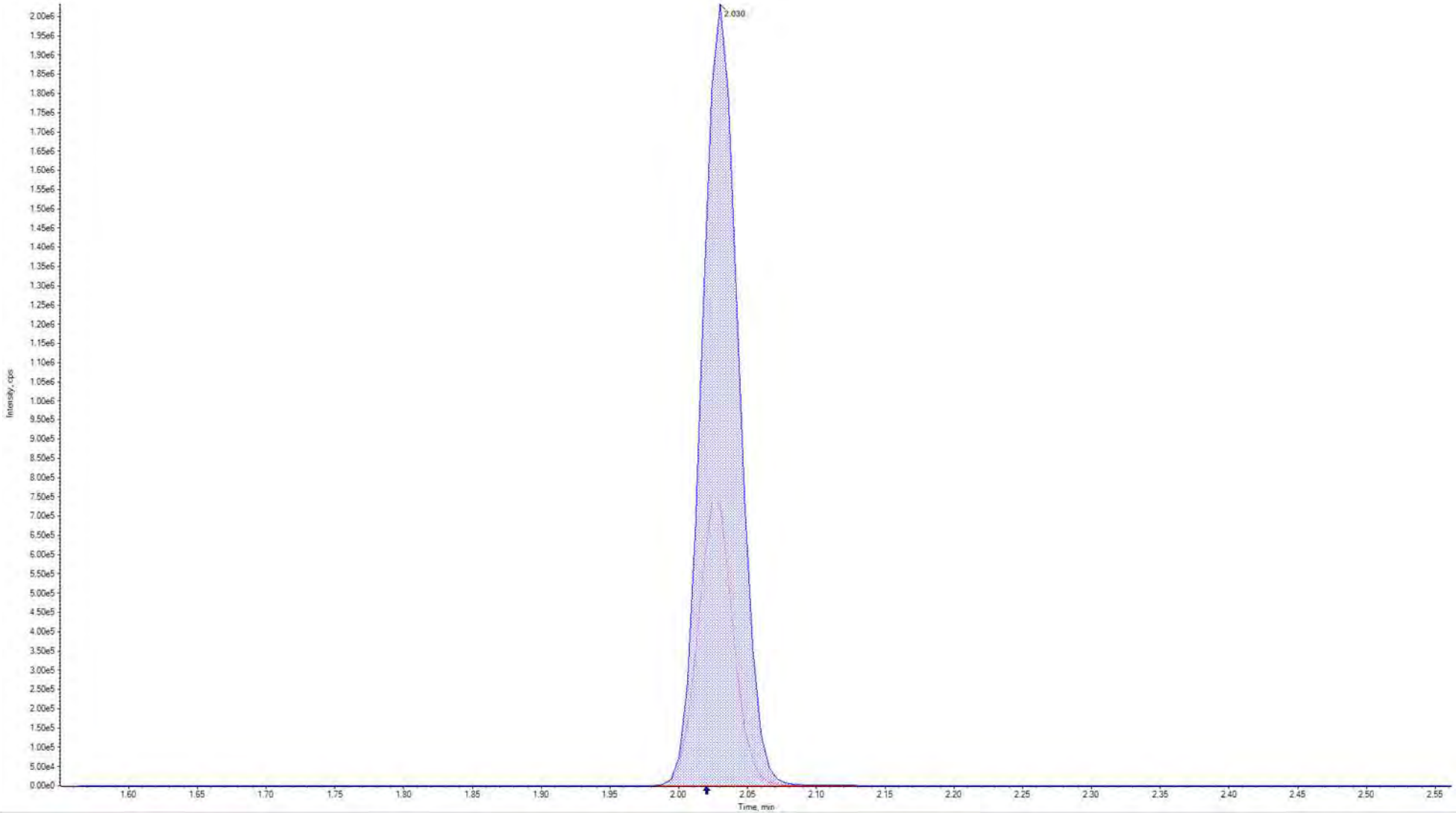
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_21.wiff2_6
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

HFPO-DA
Sample: IA1633STD-12.5 S/N:6030.0 Points Across peak:34



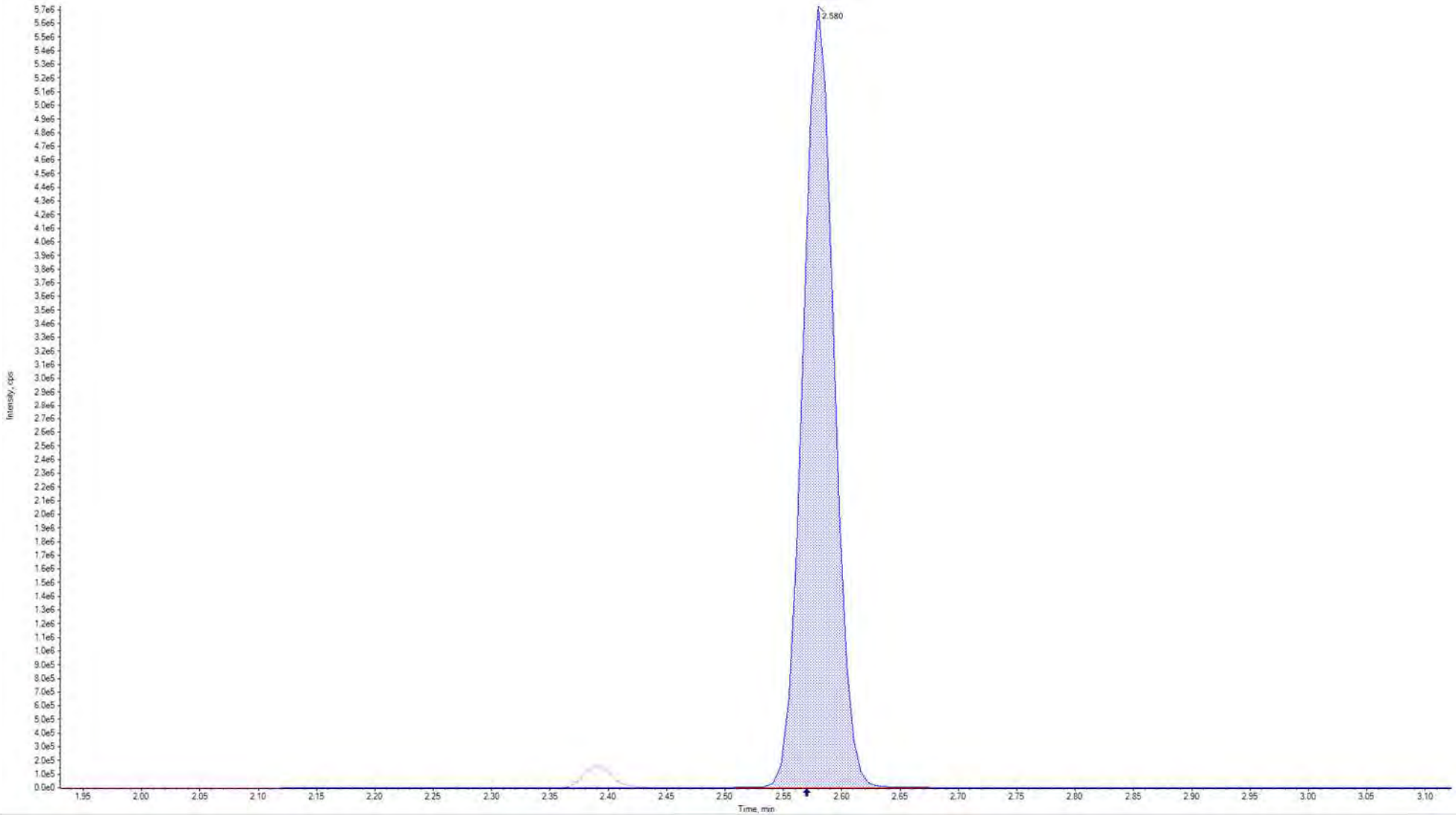
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_21.wiff2_6
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

HFPO-DA_2
Sample: IA1633STD-12.5 S/N:14812.3 Points Across peak:34



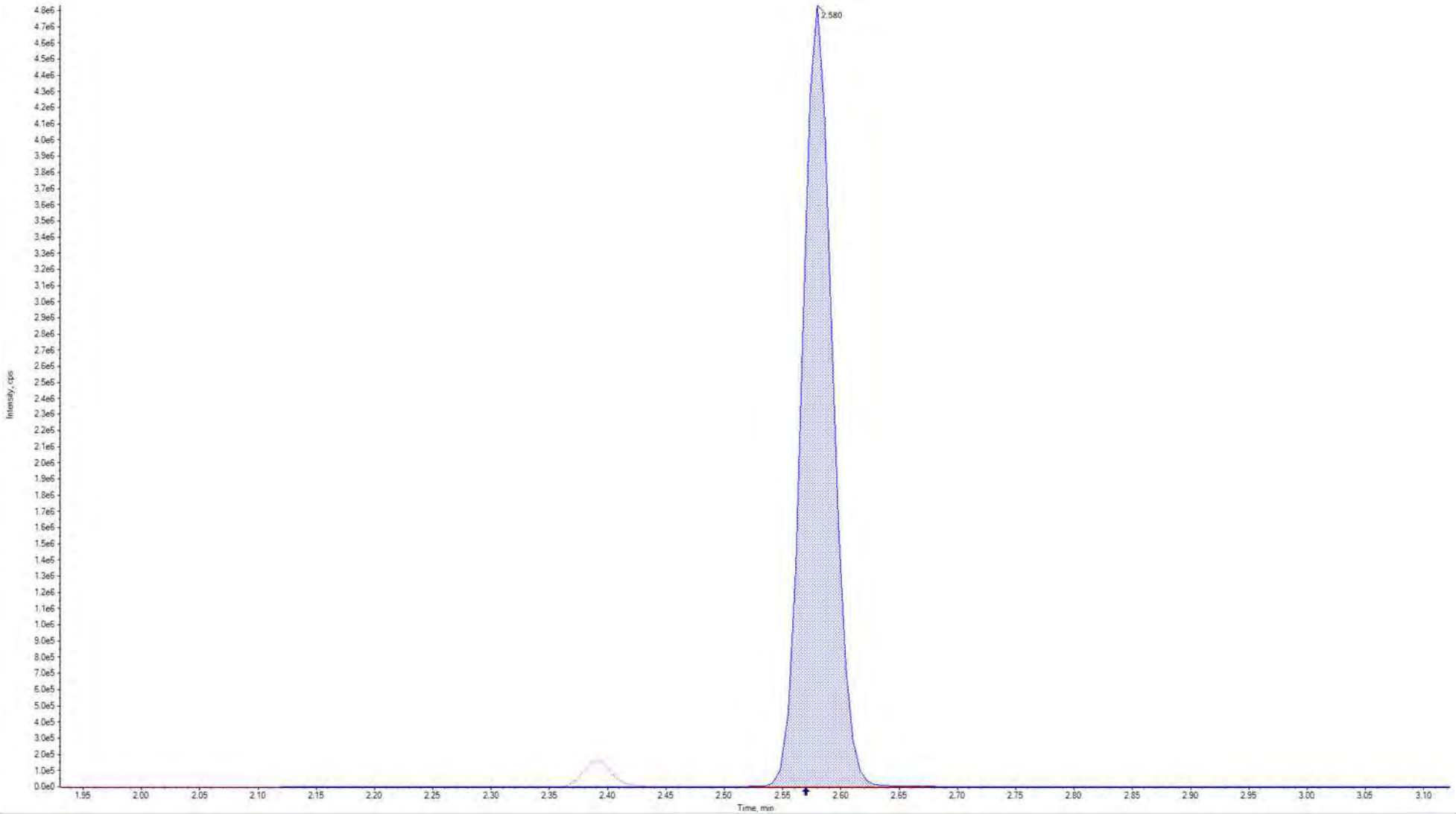
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_21.wiff2_6
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

ADONA
Sample: IA1633STD-12.5 S/N:114828.0 Points Across peak:42



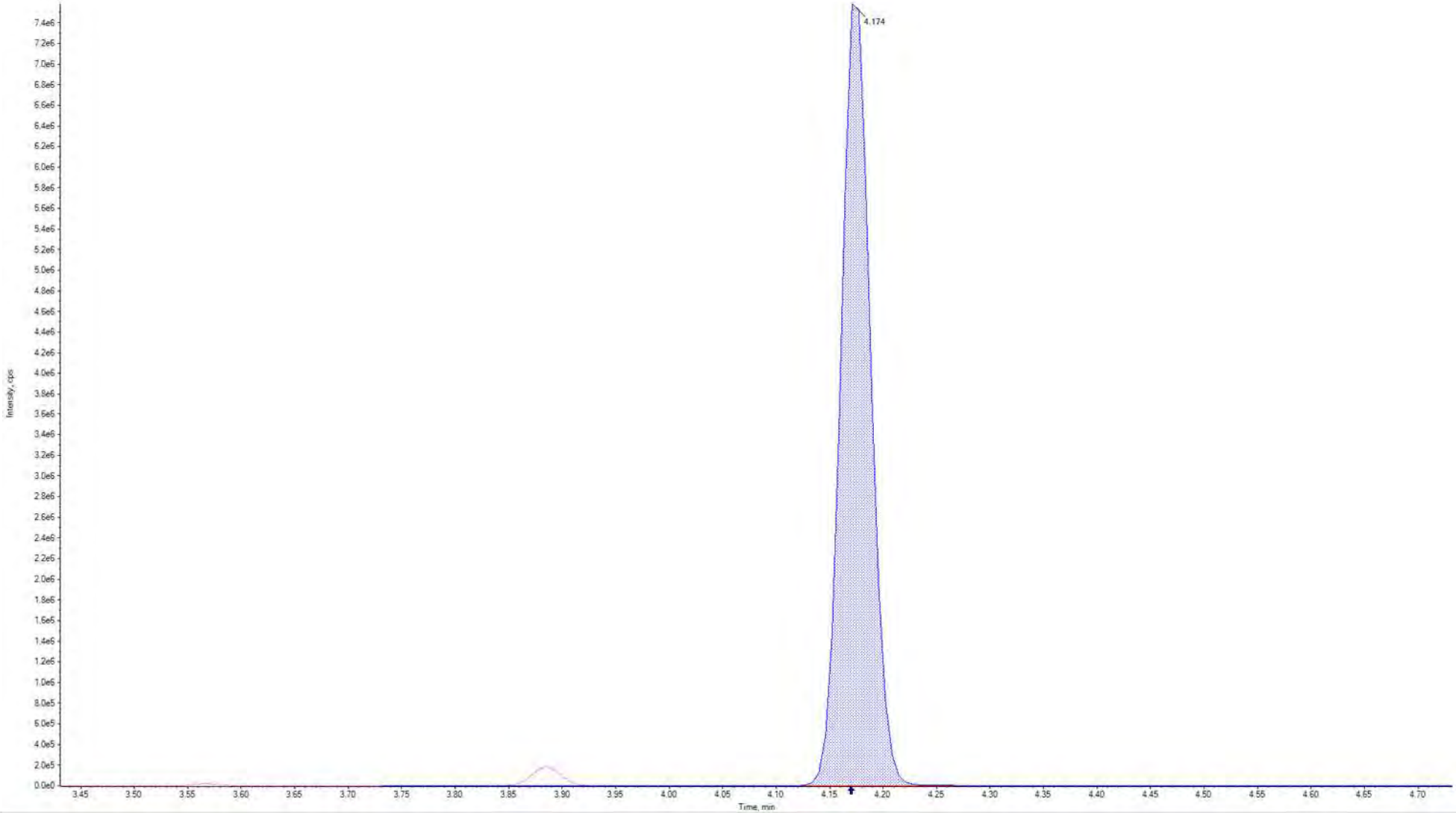
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_21.wiff2_6
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

ADONA_2
Sample: IA1633STD-12.5 S/N:7395.3 Points Across peak:44



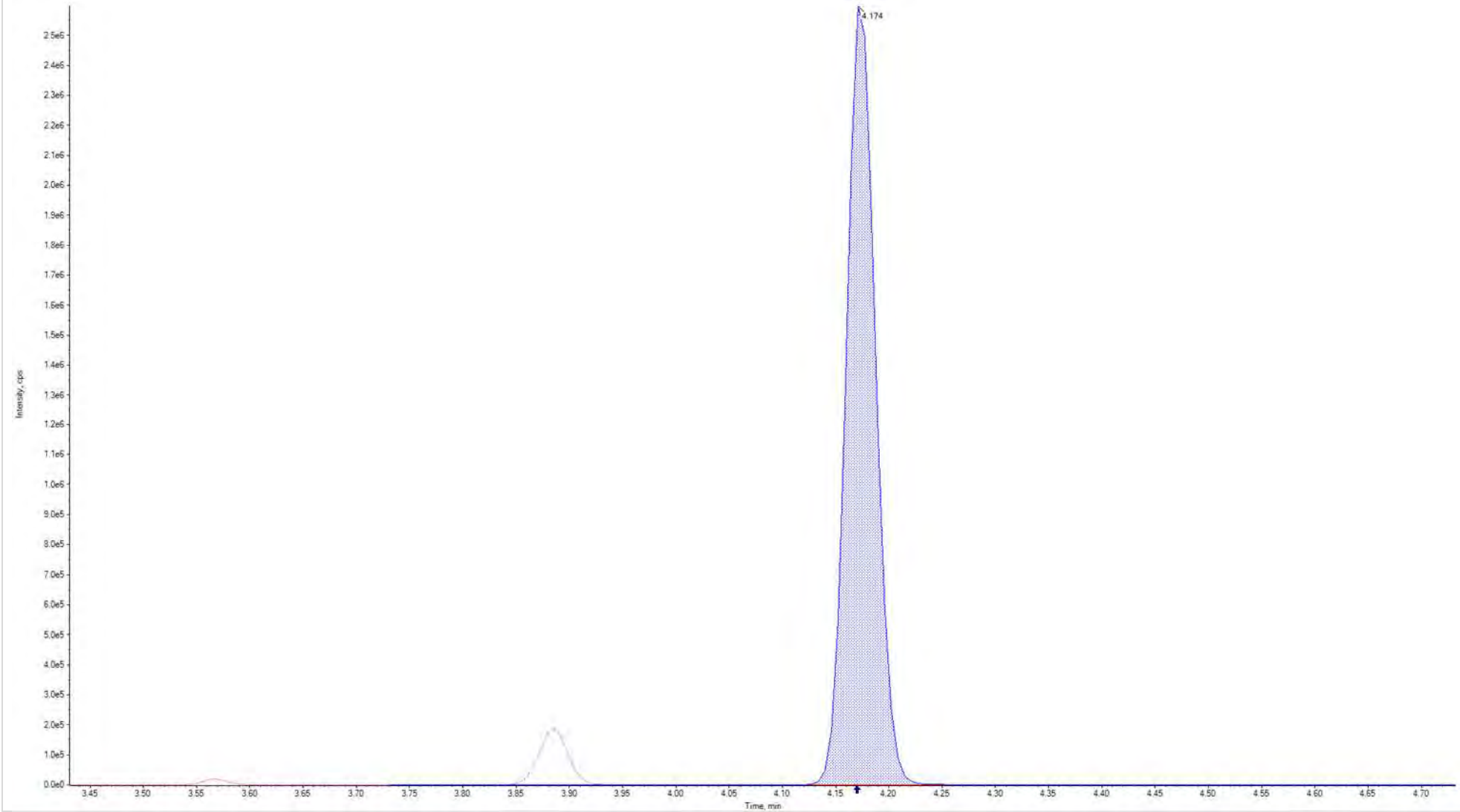
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_21.wiff2_6
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

9Cl-PF3ONS
Sample: IA1633STD-12.5 S/N:8128.1 Points Across peak:36



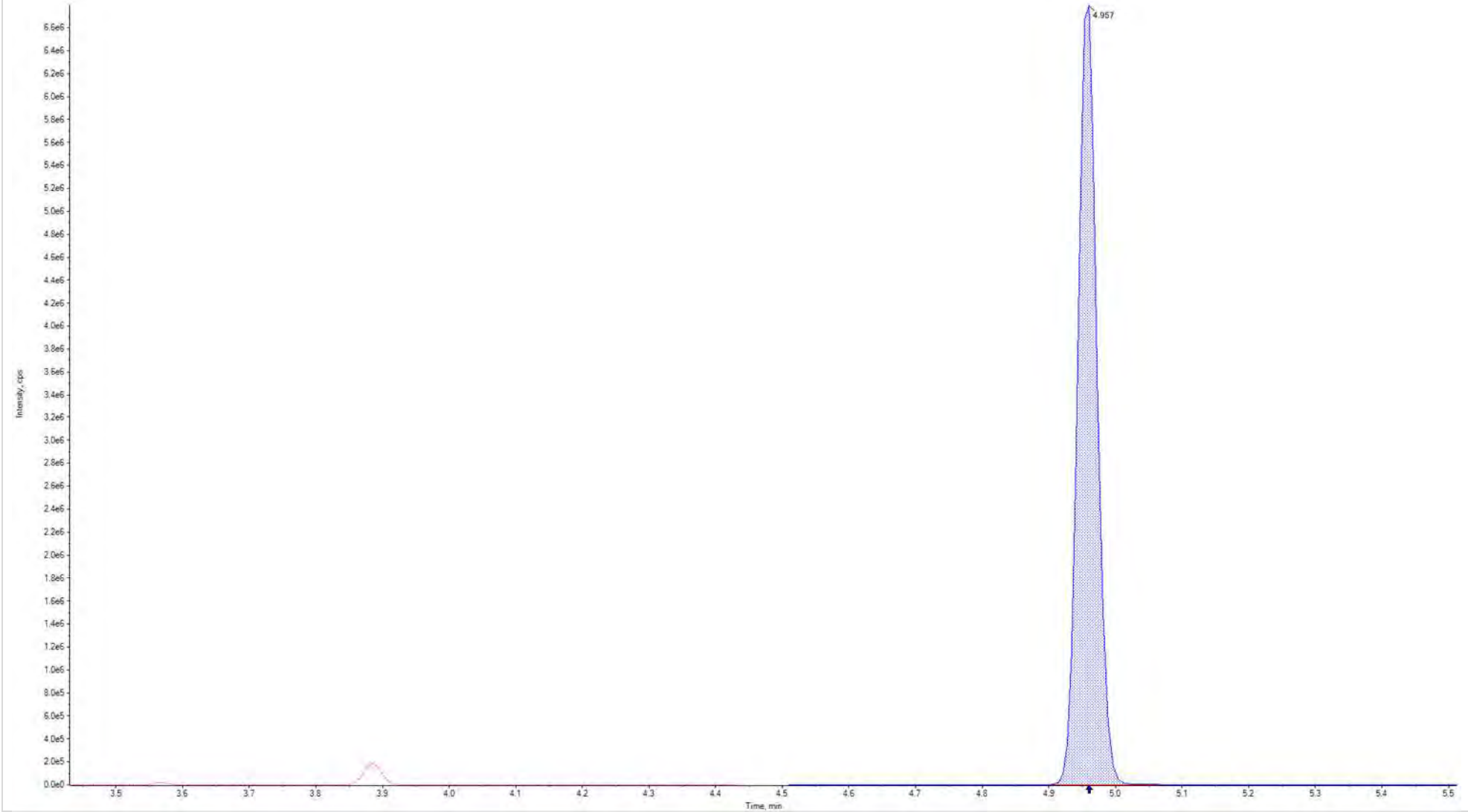
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_21.wiff2_6
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

9Cl-PF3ONS_2
Sample: IA1633STD-12.5 S/N:9534.1 Points Across peak:41



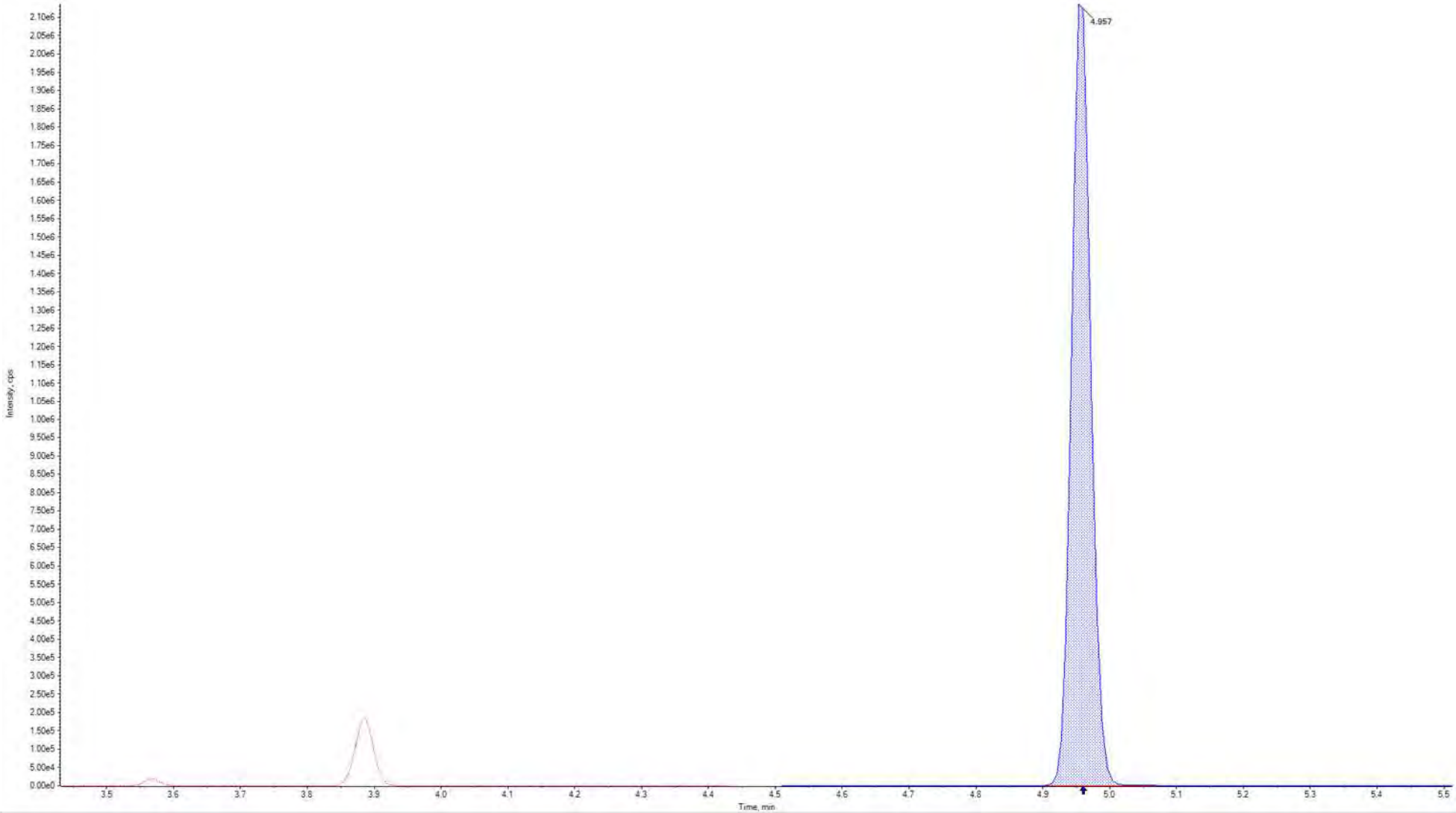
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_21.wiff2_6
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

11Cl-PF3OUdS
Sample: IA1633STD-12.5 S/N:8890.7 Points Across peak:37



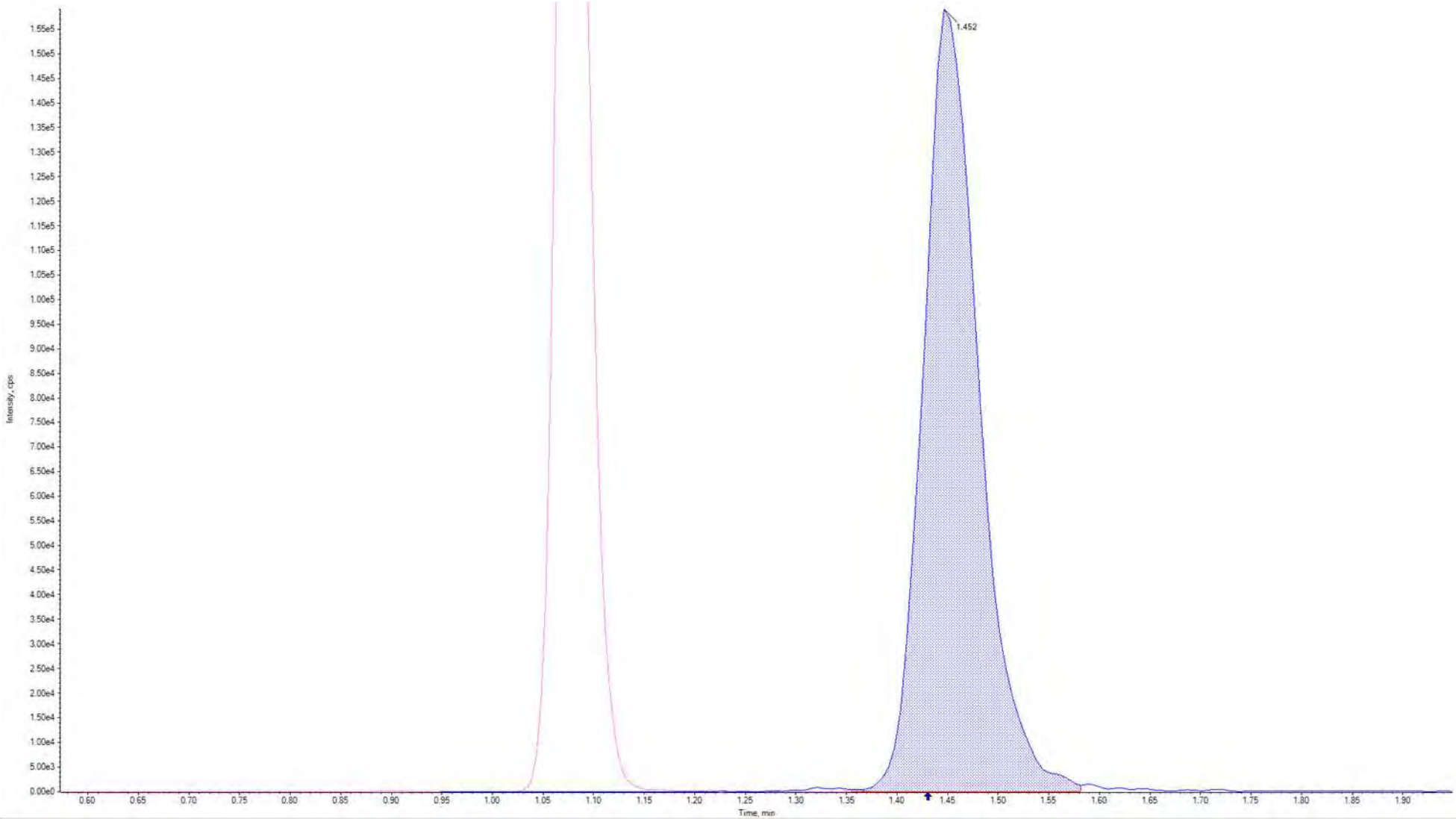
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_21.wiff2_6
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

11Cl-PF3OUdS_2
Sample: IA1633STD-12.5 S/N:11641.7 Points Across peak:38



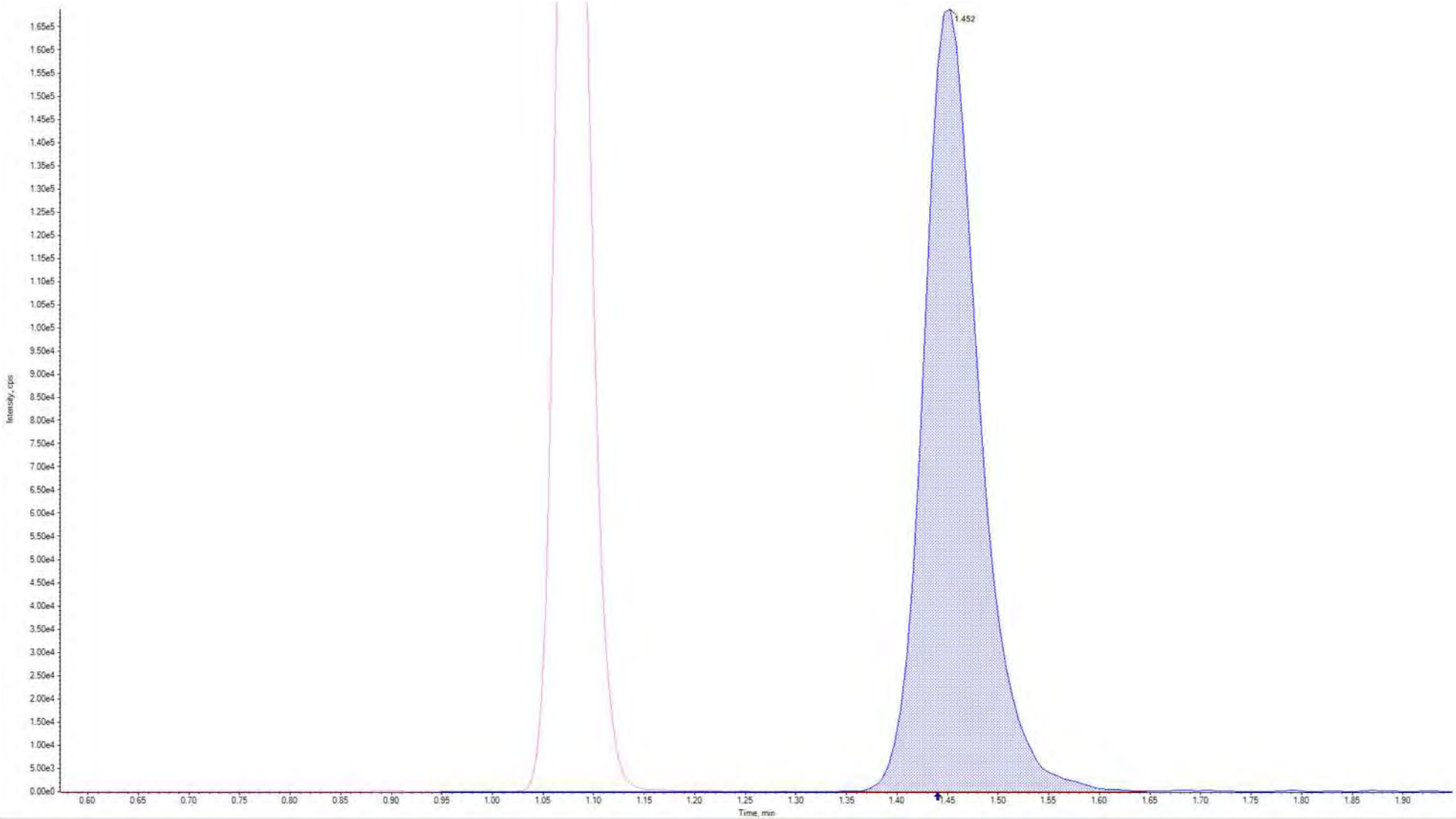
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_21.wiff2_6
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

3:3FTCA
Sample: IA1633STD-12.5 S/N:2369.7 Points Across peak:38



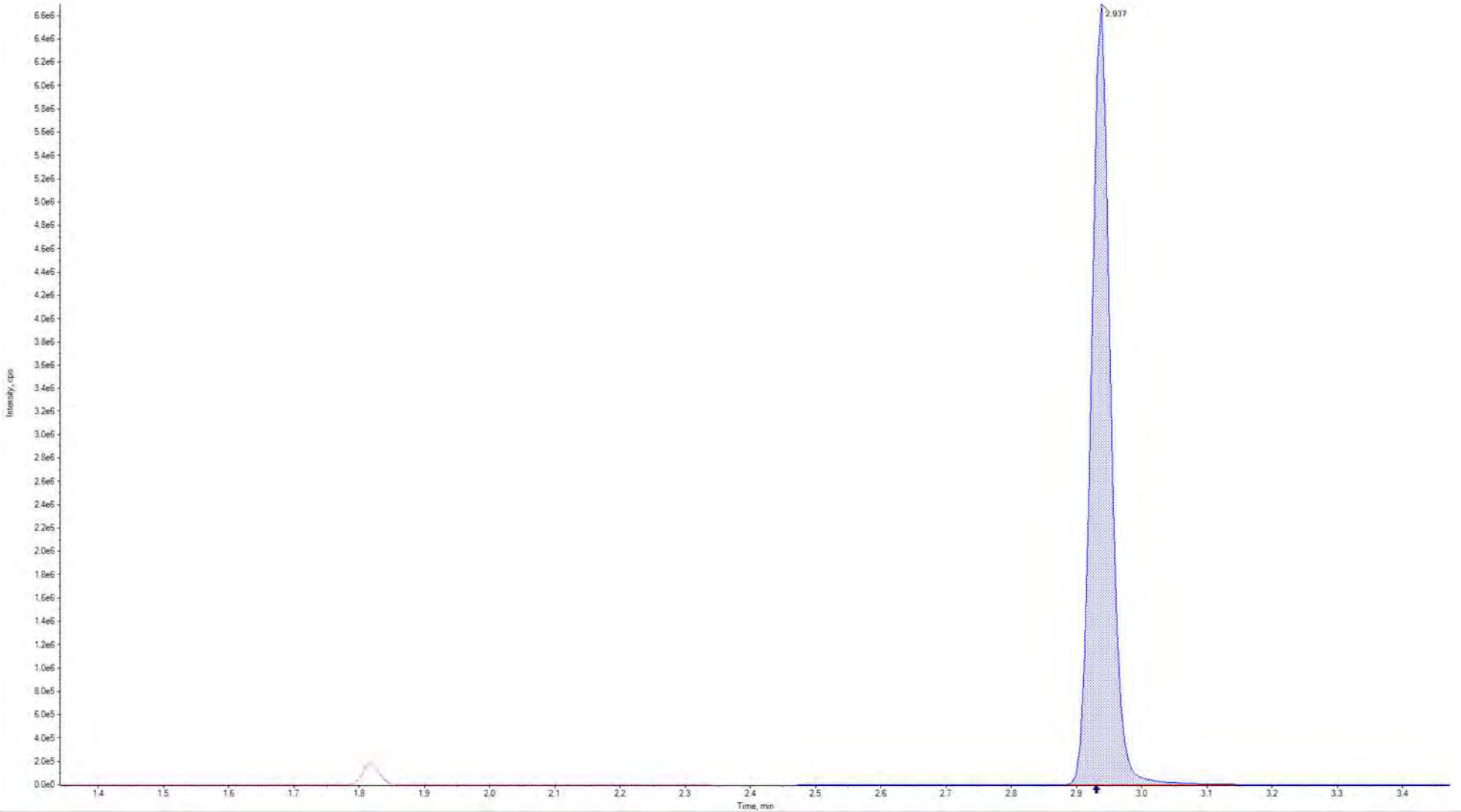
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_21.wiff2_6
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

3:3FTCA_2
Sample: IA1633STD-12.5 S/N:4229.8 Points Across peak:53



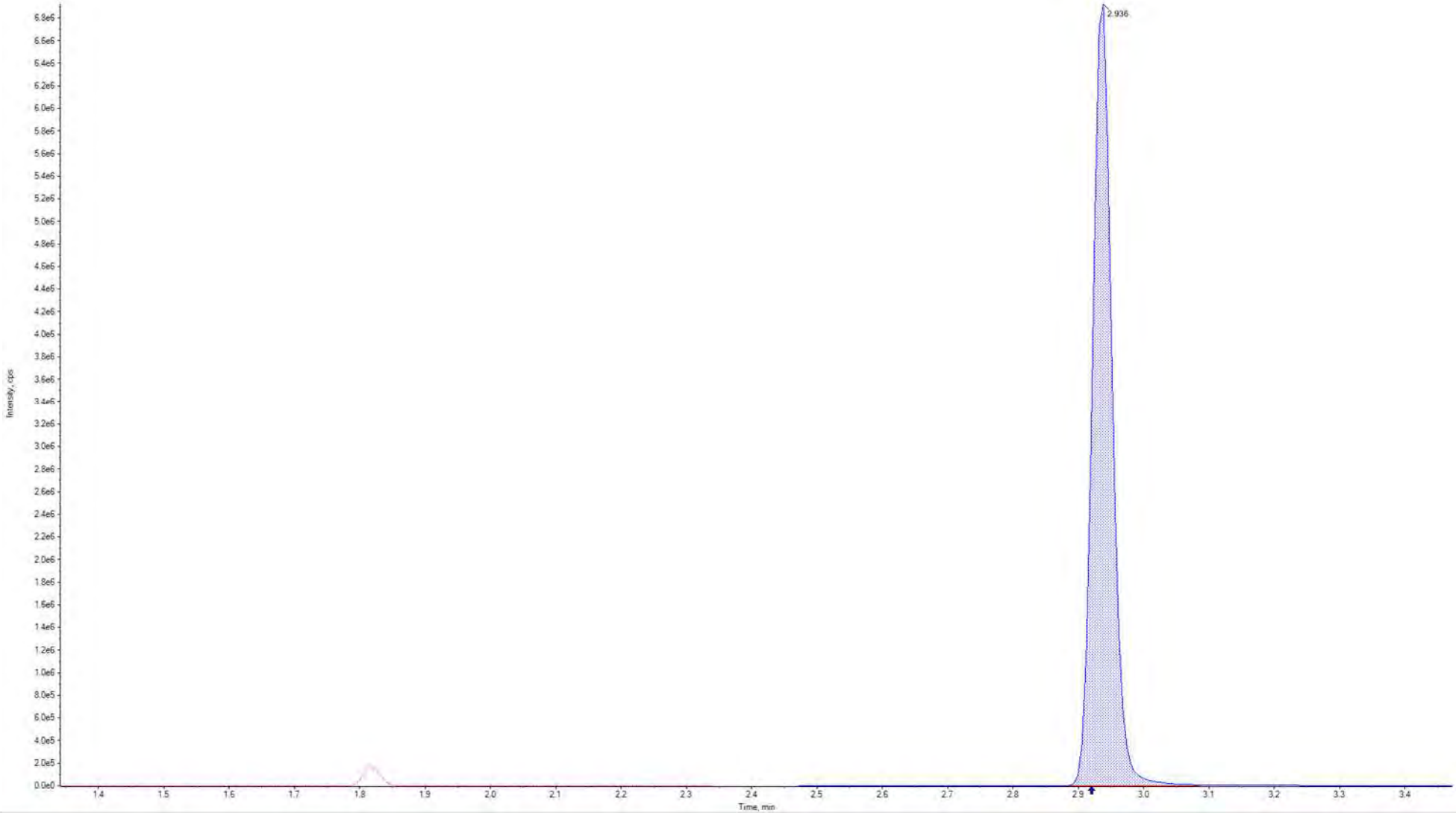
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_21.wiff2_6
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

5:3FTCA
Sample: IA1633STD-12.5 S/N:151138.3 Points Across peak:51



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_21.wiff2_6
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

5:3FTCA_2
Sample: IA1633STD-12.5 S/N:51629.3 Points Across peak:39



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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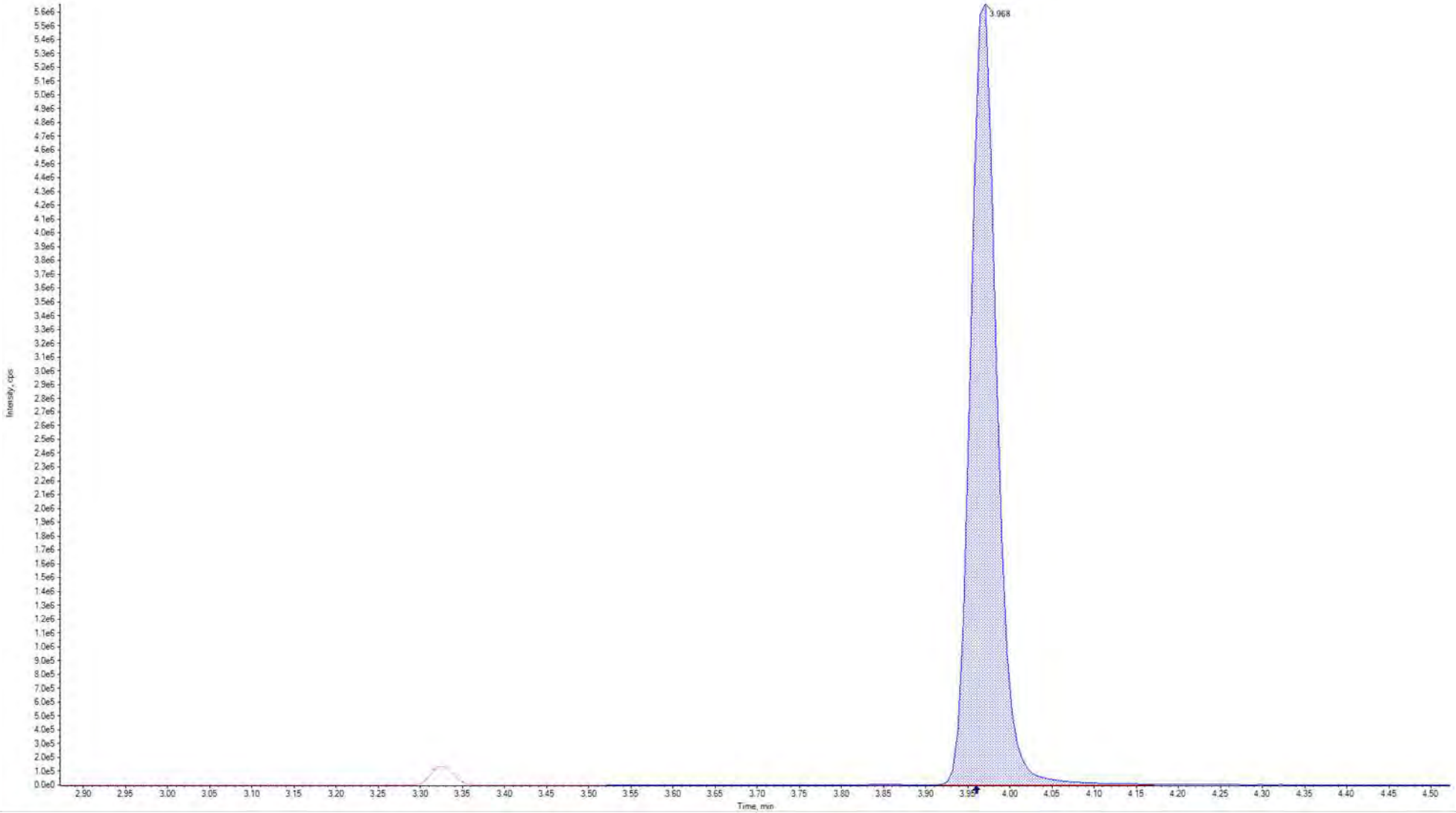
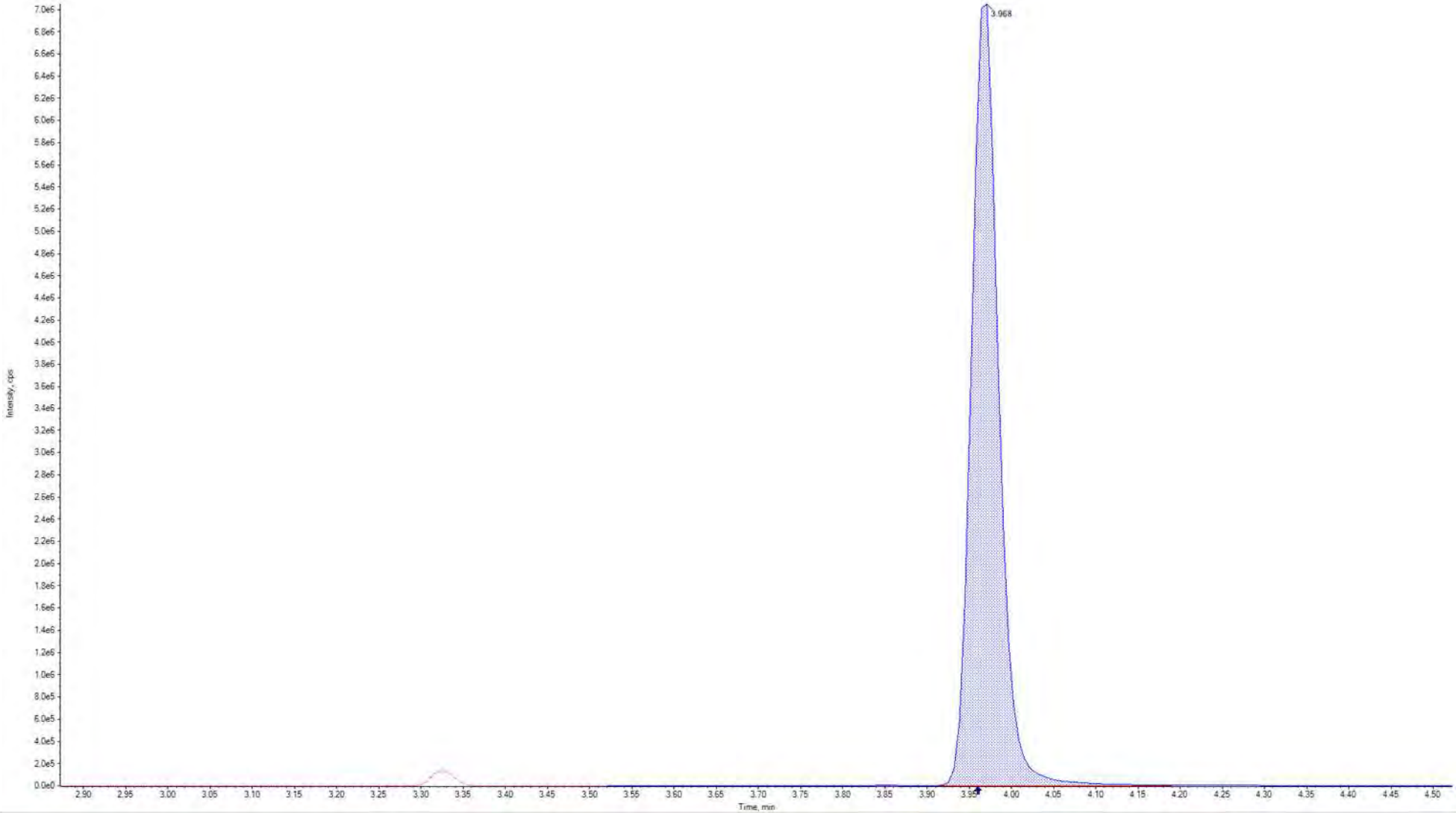
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

7:3FTCA
Sample: IA1633STD-12.5 S/N:155988.0 Points Across peak:45



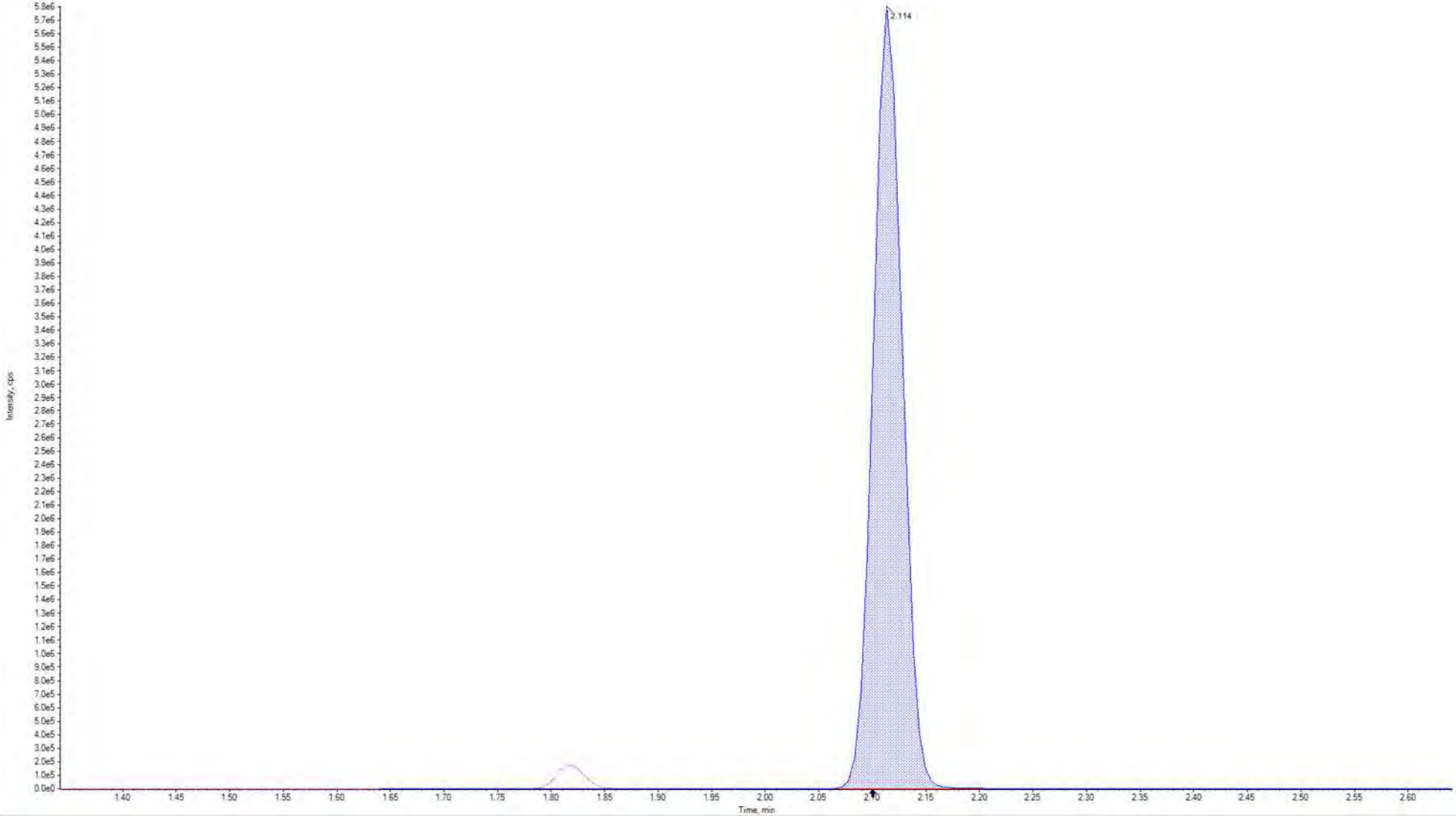
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_21.wiff2_6
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

7:3FTCA_2
Sample: IA1633STD-12.5 S/N:134647.3 Points Across peak:47



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_21.wiff2_6
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFEESA
Sample: IA1633STD-12.5 S/N:130931.0 Points Across peak:37



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_21.wiff2_6
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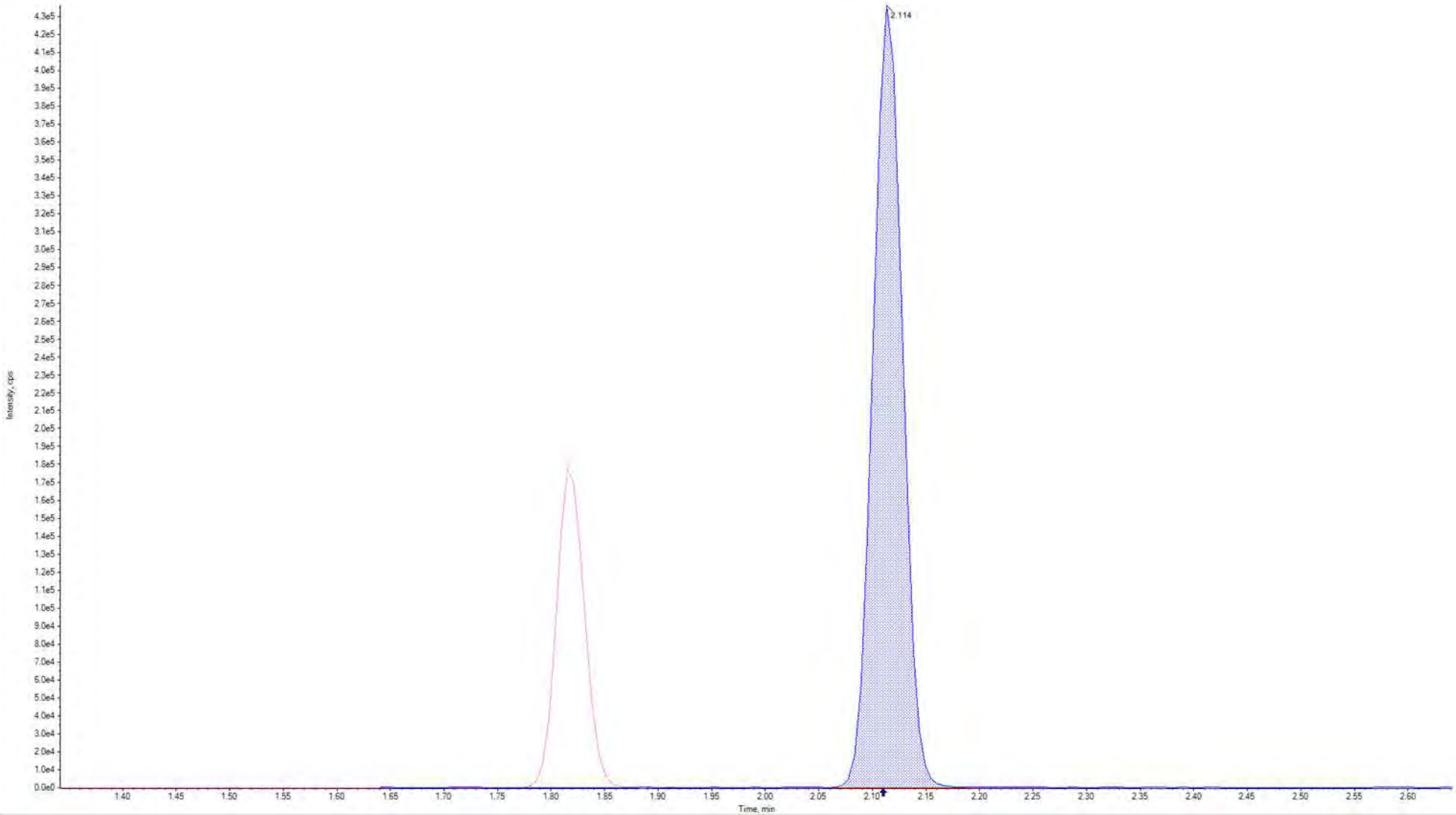
Generated: 11/12/2024 2:03:37 PM

PFEESA_2
Sample: IA1633STD-12.5 S/N:9836.1 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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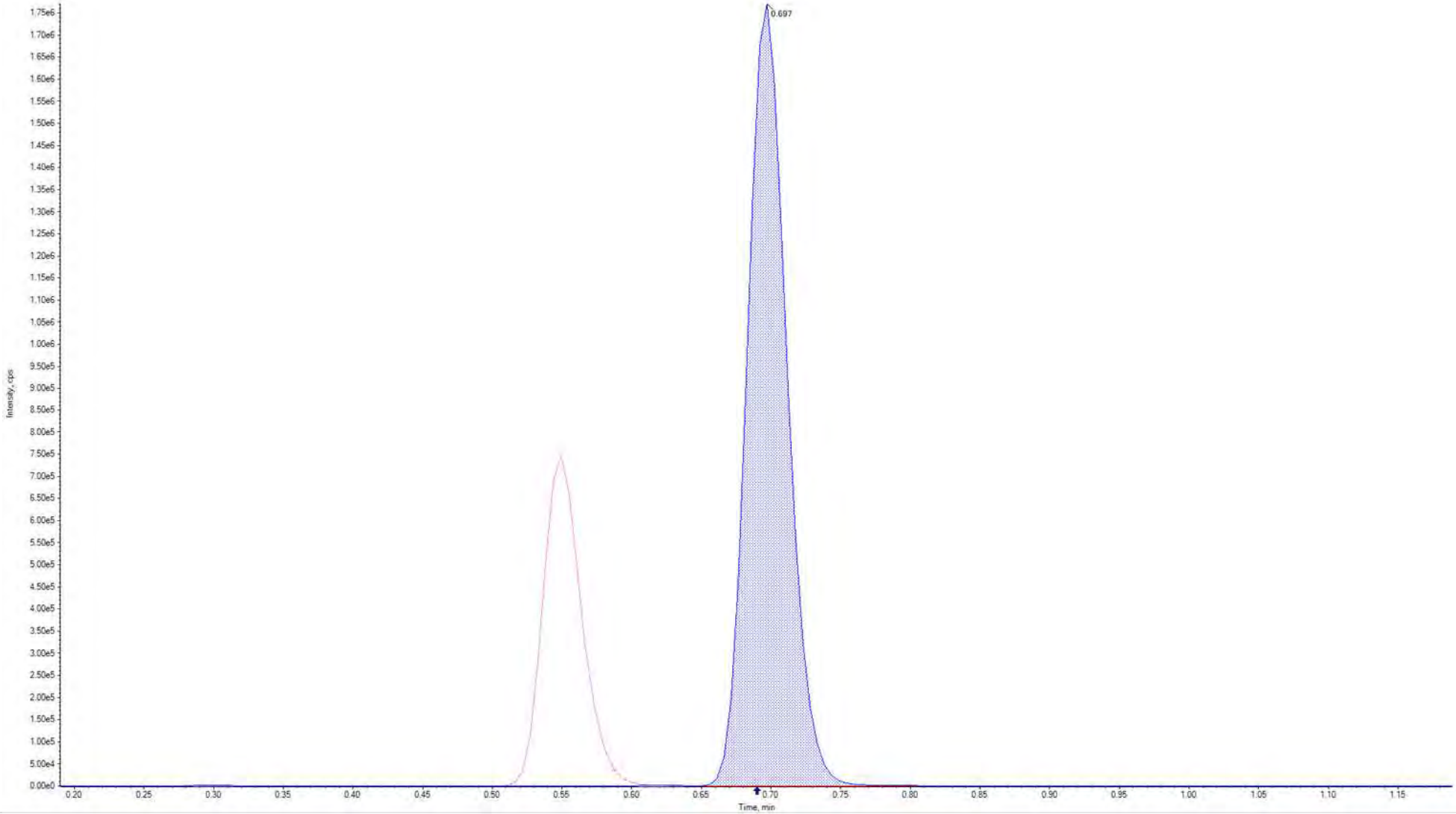
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFMPA
Sample: IA1633STD-12.5 S/N:14398.8 Points Across peak:35



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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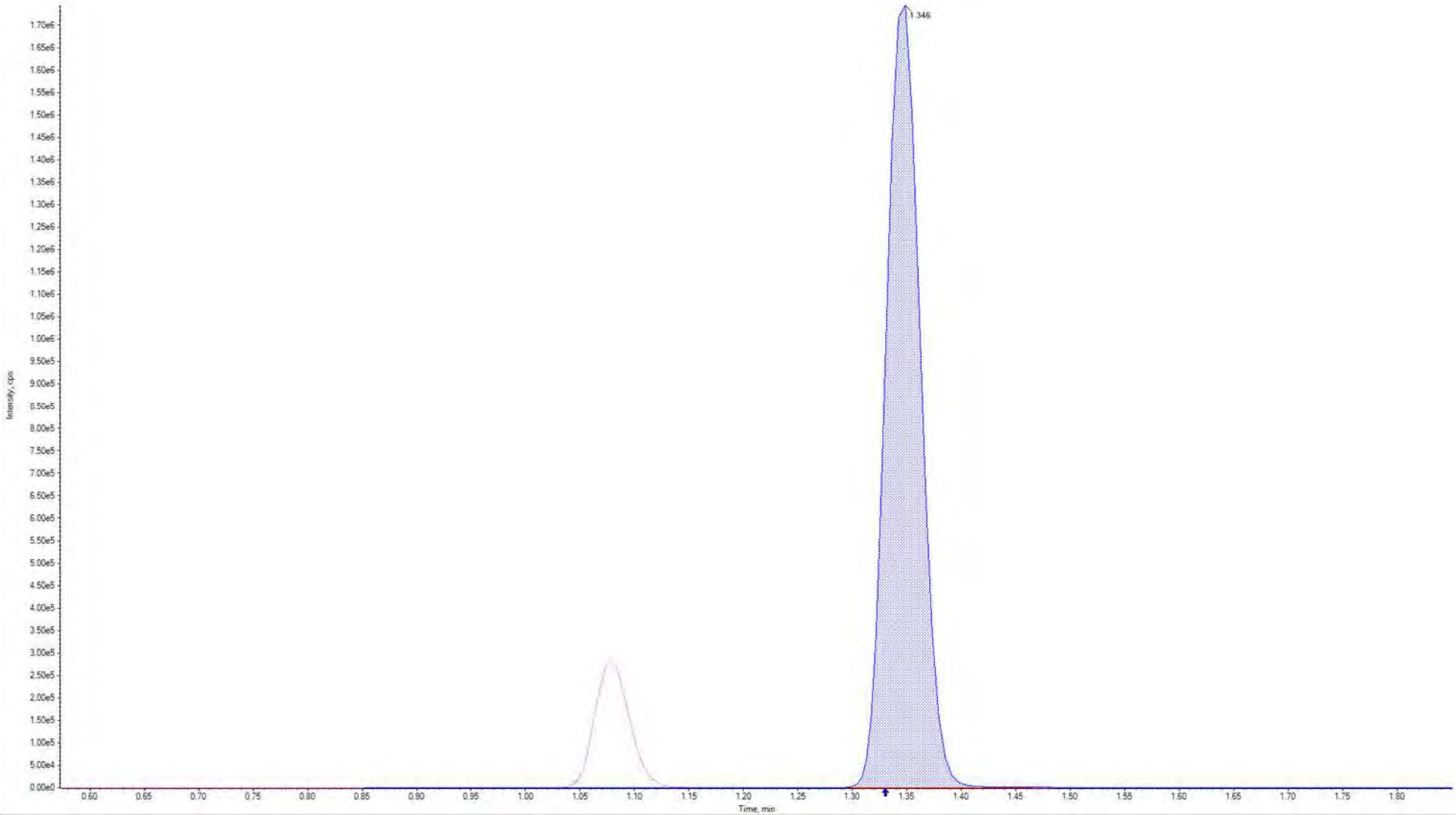
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFMBA
Sample: IA1633STD-12.5 S/N:100545.8 Points Across peak:37



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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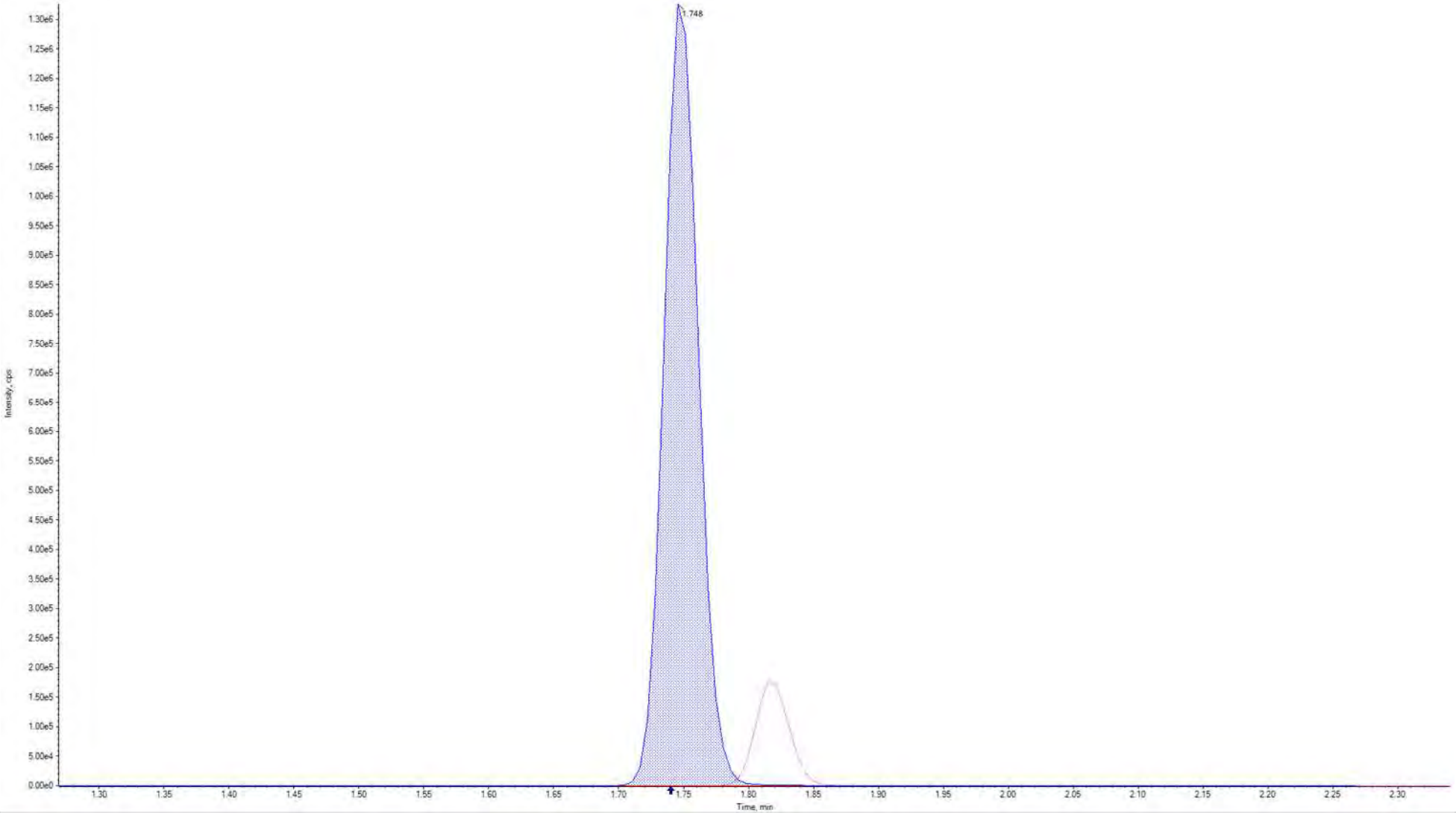
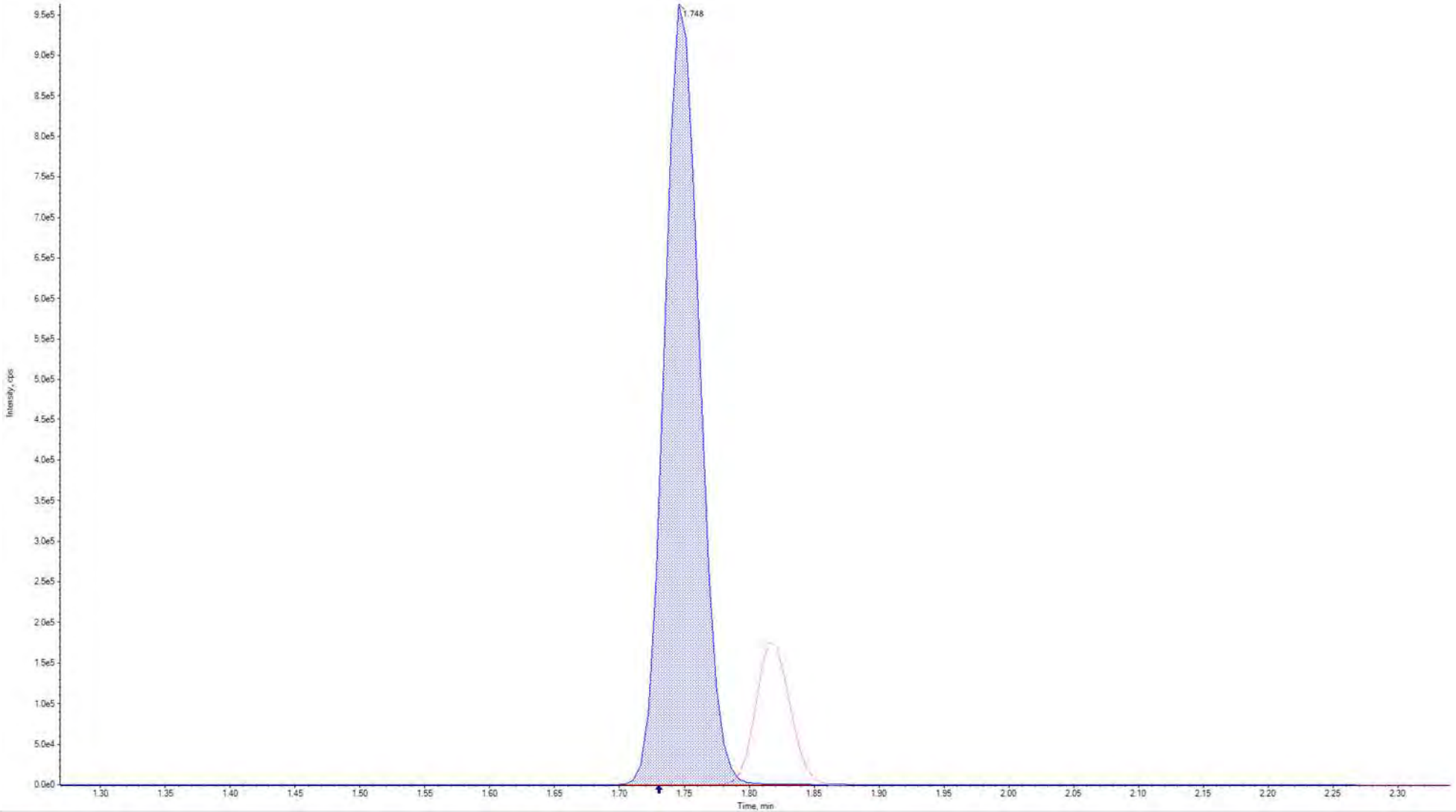
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NFDHA
Sample: IA1633STD-12.5 S/N:11493.2 Points Across peak:34



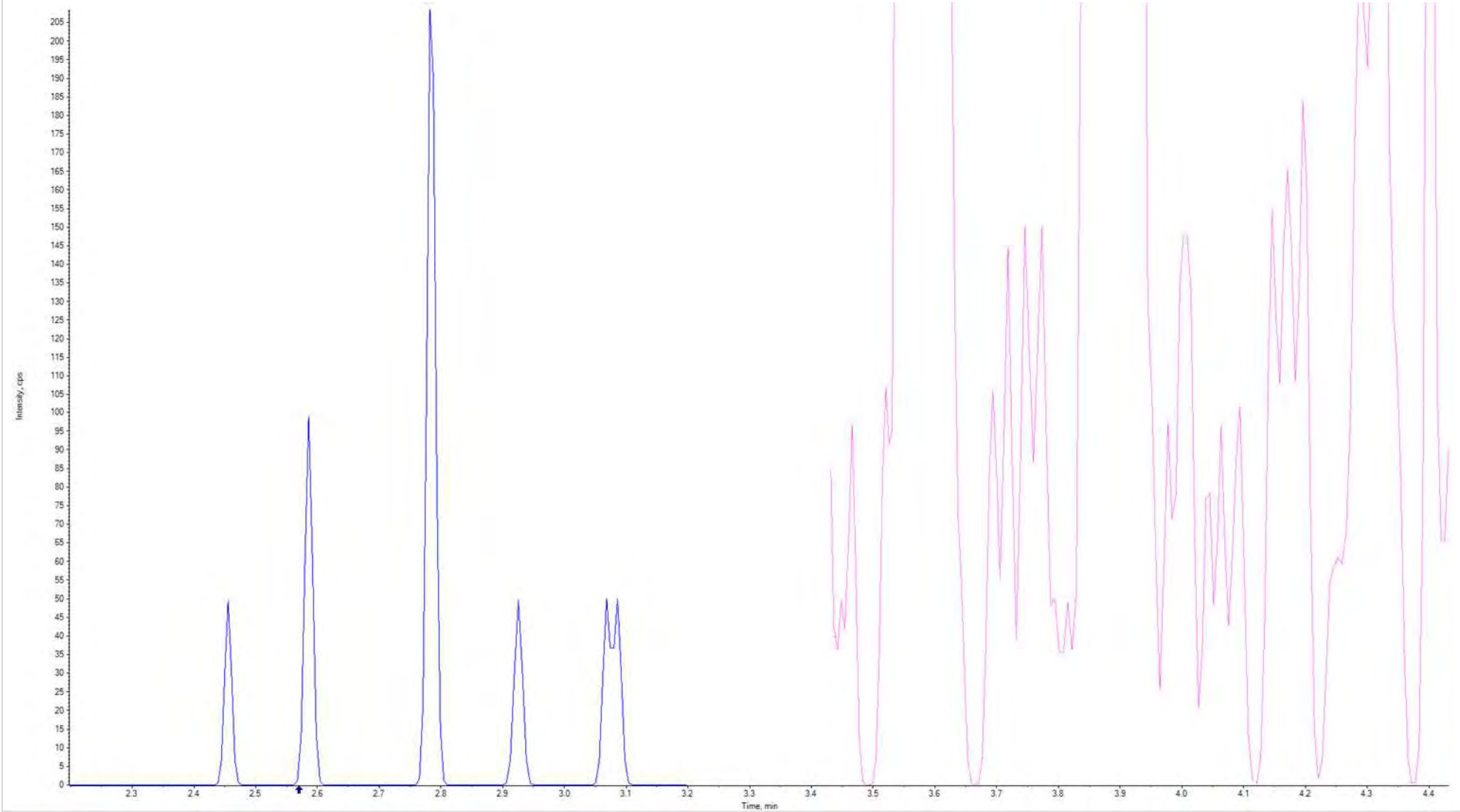
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_21.wiff2_6
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NFDHA_2
Sample: IA1633STD-12.5 S/N:26563.9 Points Across peak:30



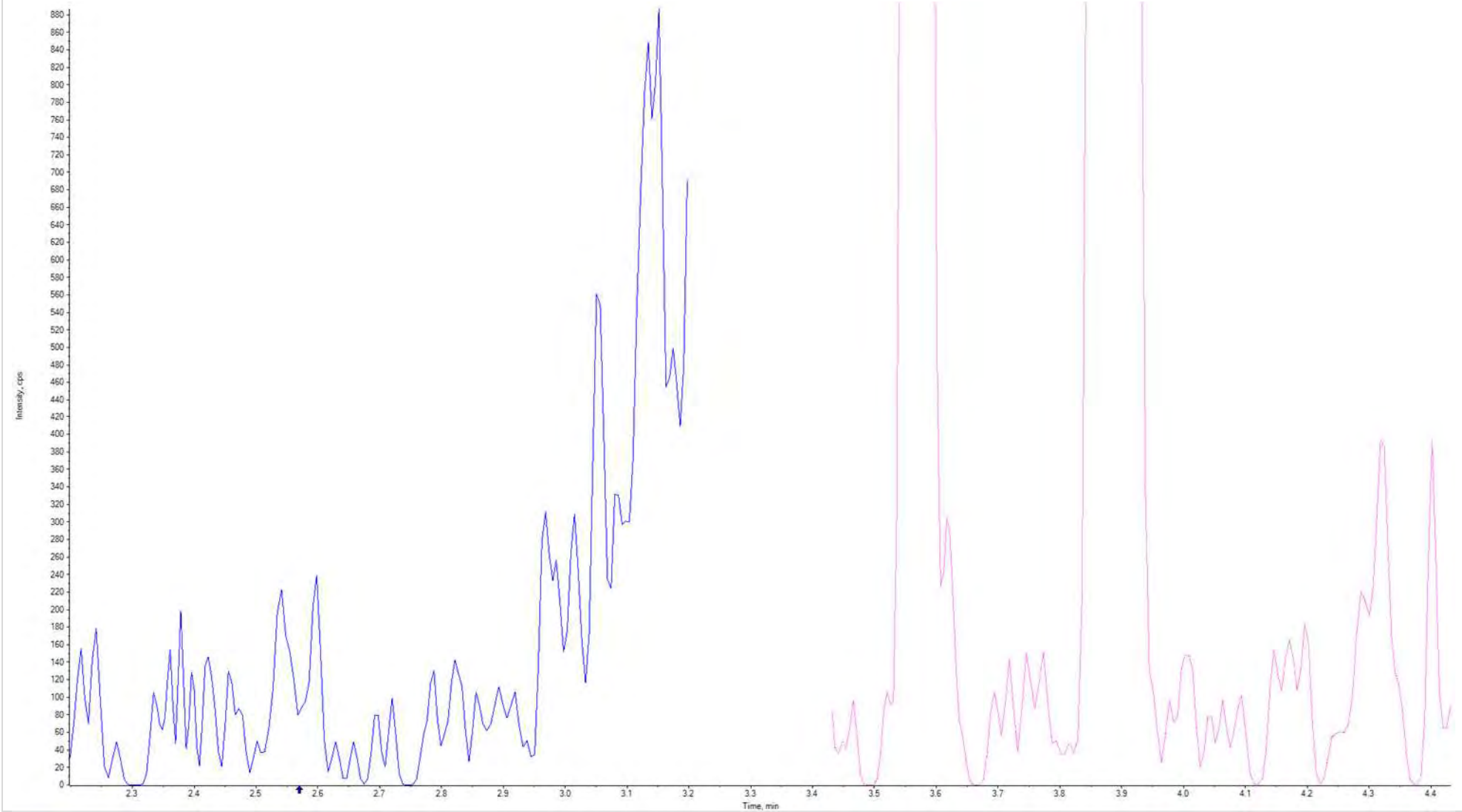
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_21.wiff2_6
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

TDCA
Sample: IA1633STD-12.5 S/N:N/A Points Across peak:N/A



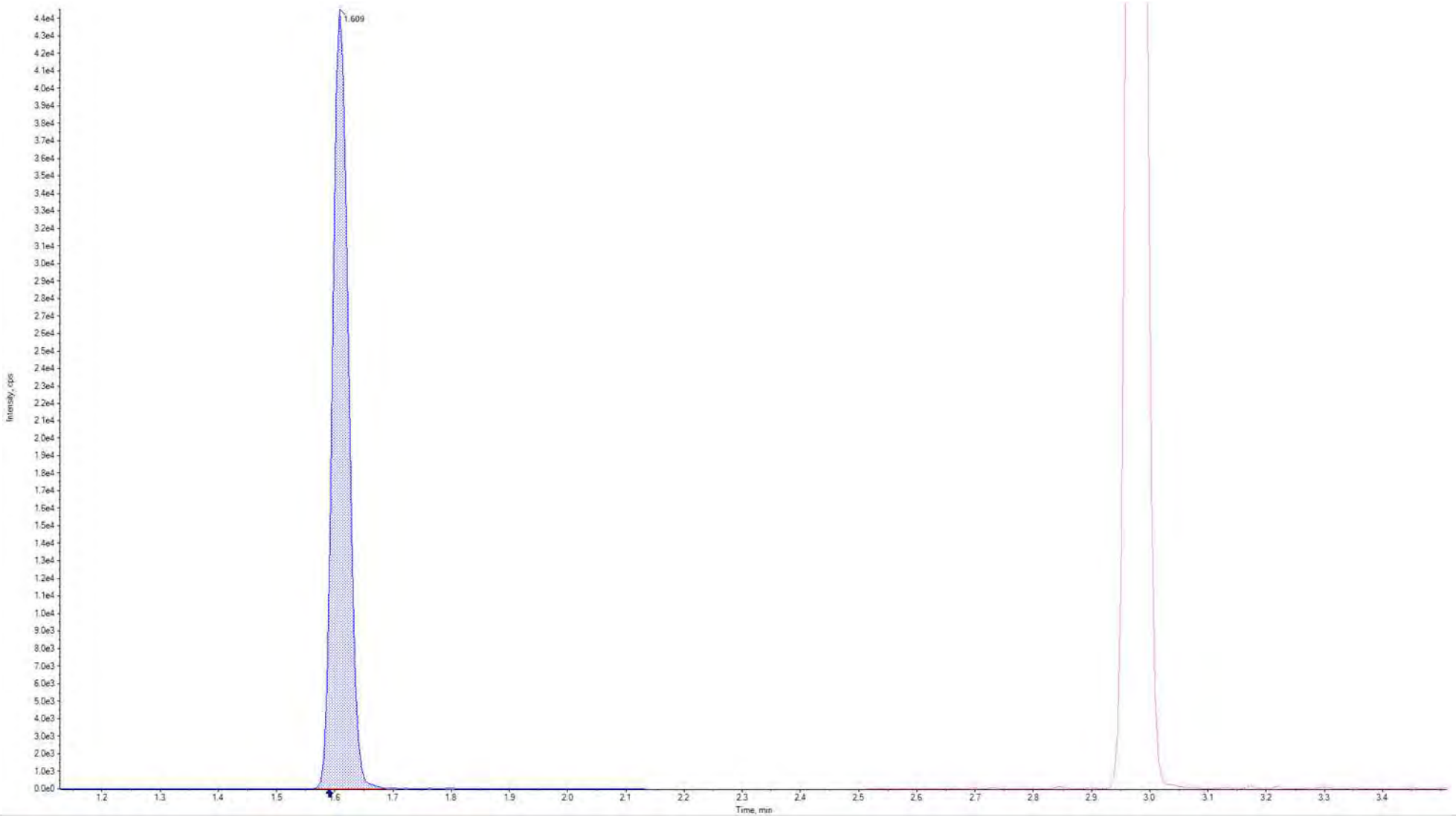
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_21.wiff2_6
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

TDCA_2
Sample: IA1633STD-12.5 S/N:N/A Points Across peak:N/A



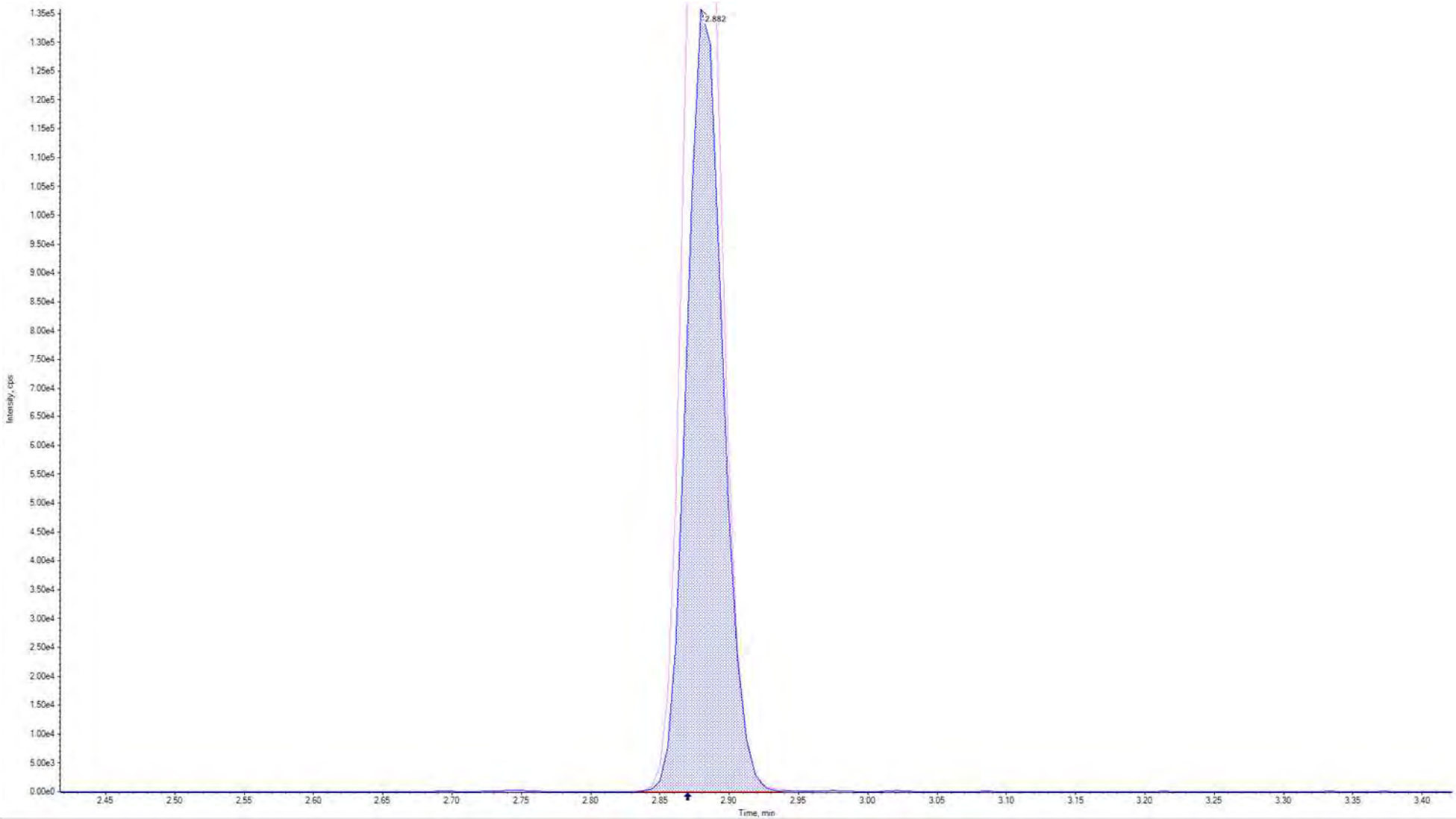
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_21.wiff2_6
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

13C2D4-4:2FTS
Sample: IA1633STD-12.5 S/N:1674.0 Points Across peak:30

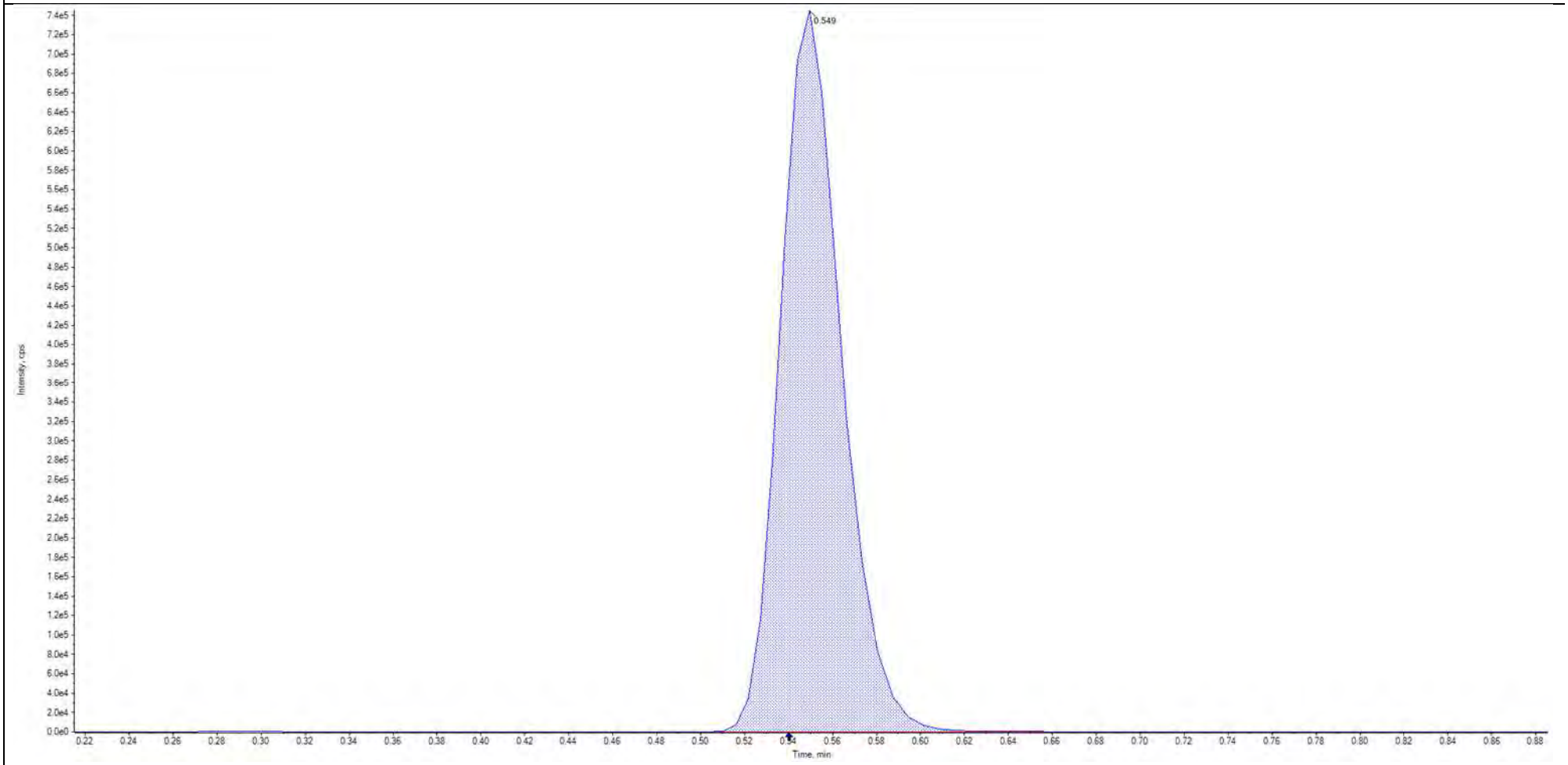


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_21.wiff2_6
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

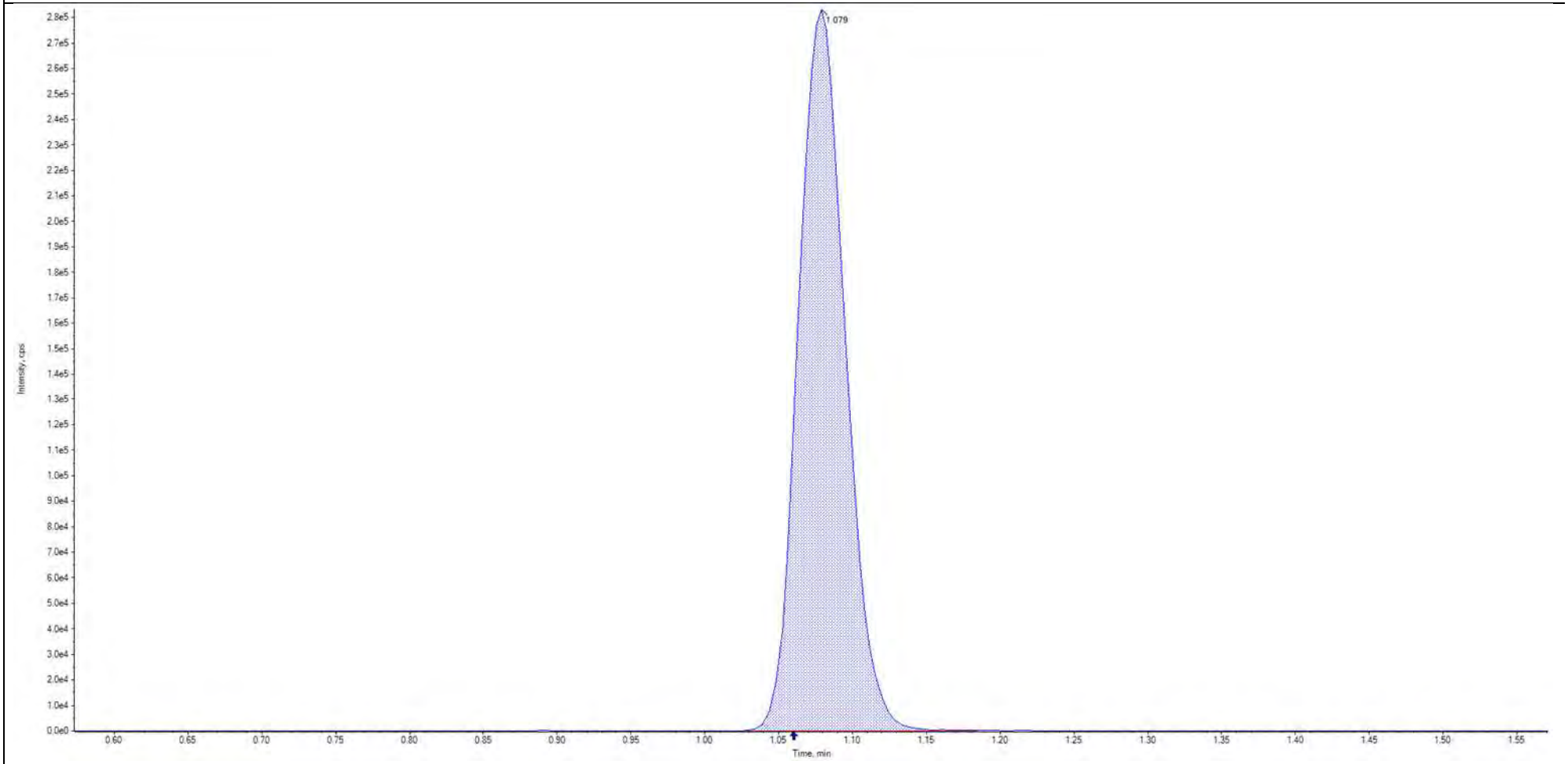
13C2-PFOA
Sample: IA1633STD-12.5 S/N:3062.1 Points Across peak:19



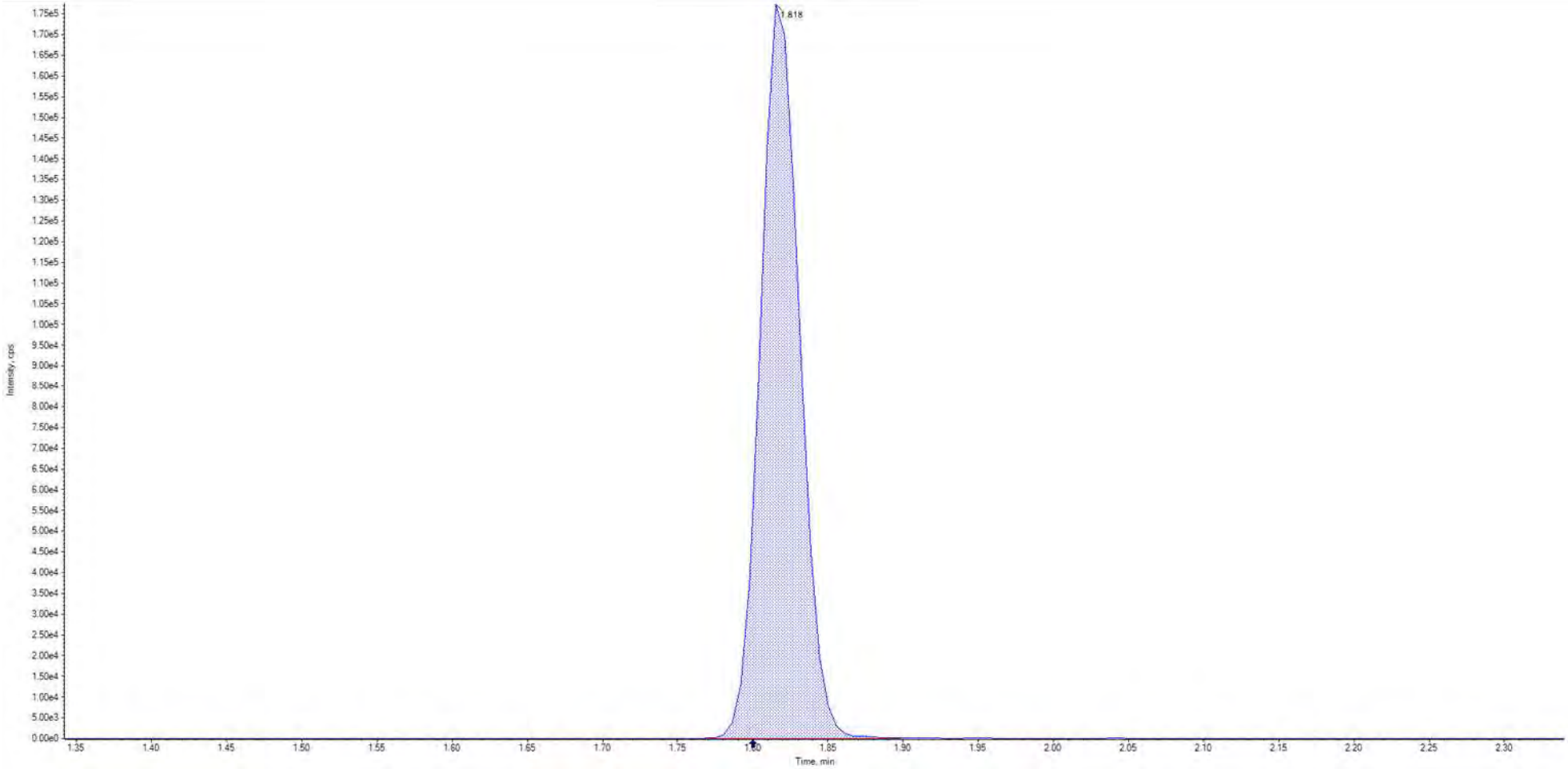
13C4-PFBA
Sample: IA1633STD-12.5



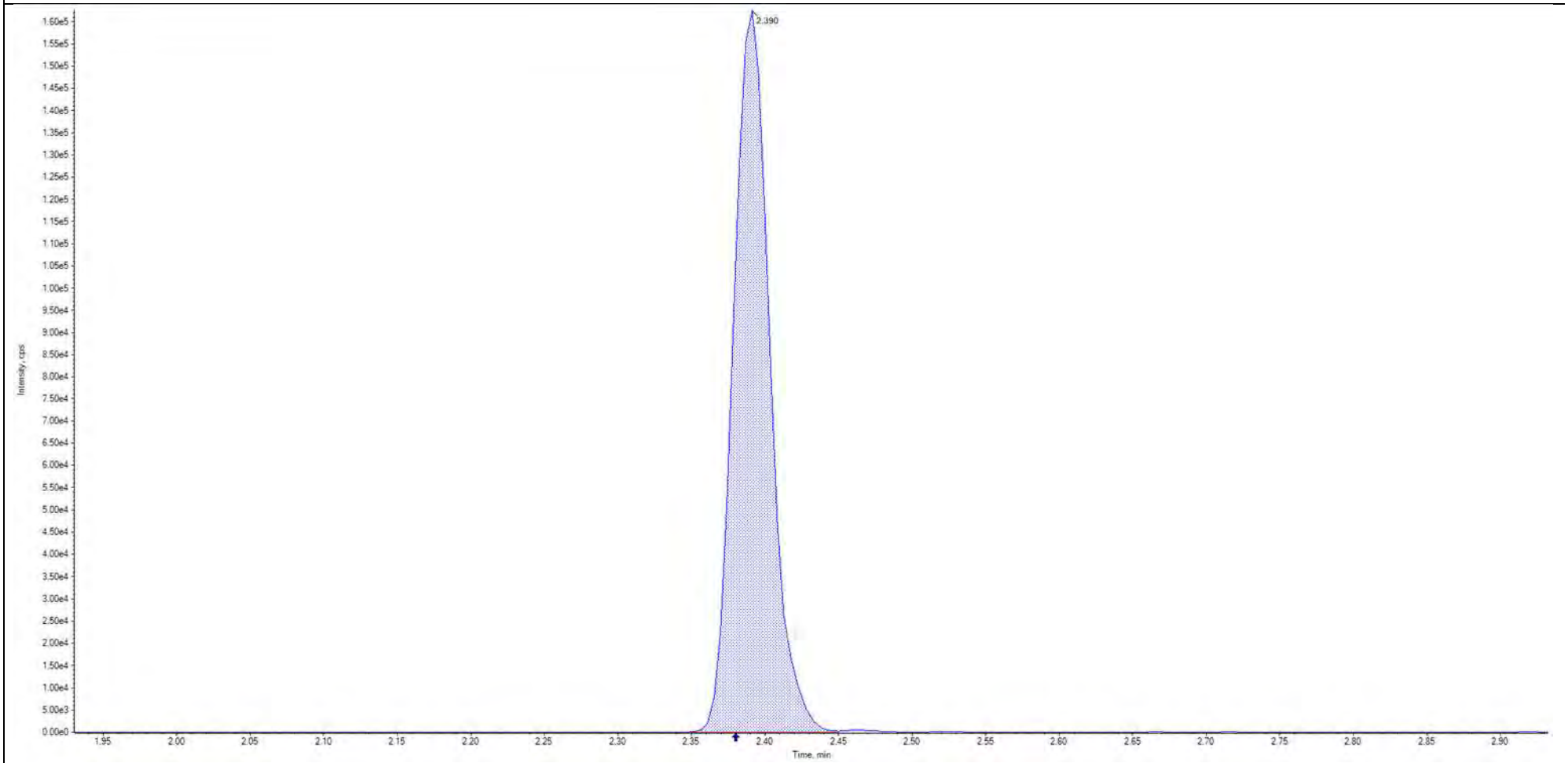
13C5-PFPeA
Sample: IA1633STD-12.5



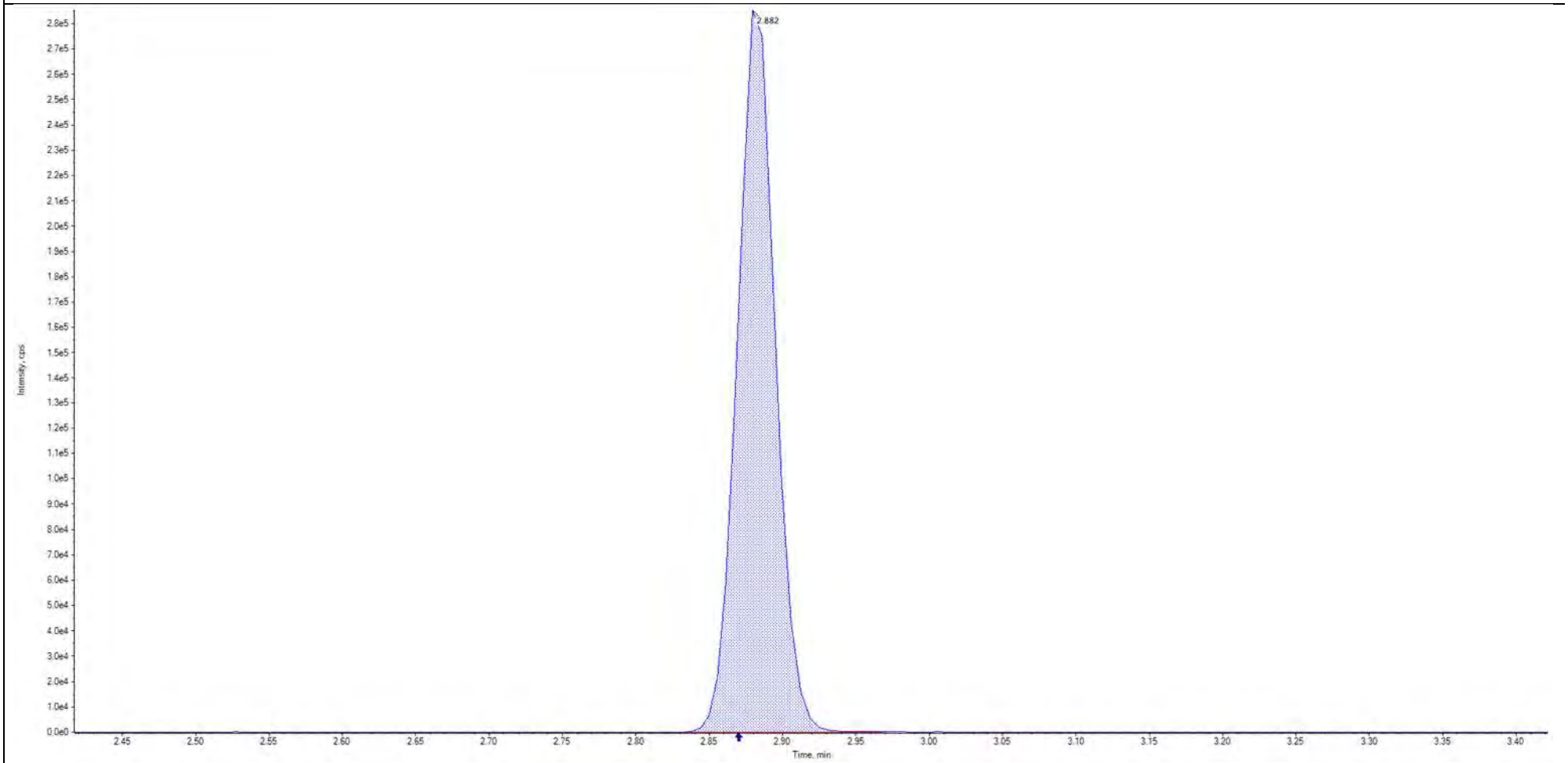
13C5-PFHxA
Sample: IA1633STD-12.5



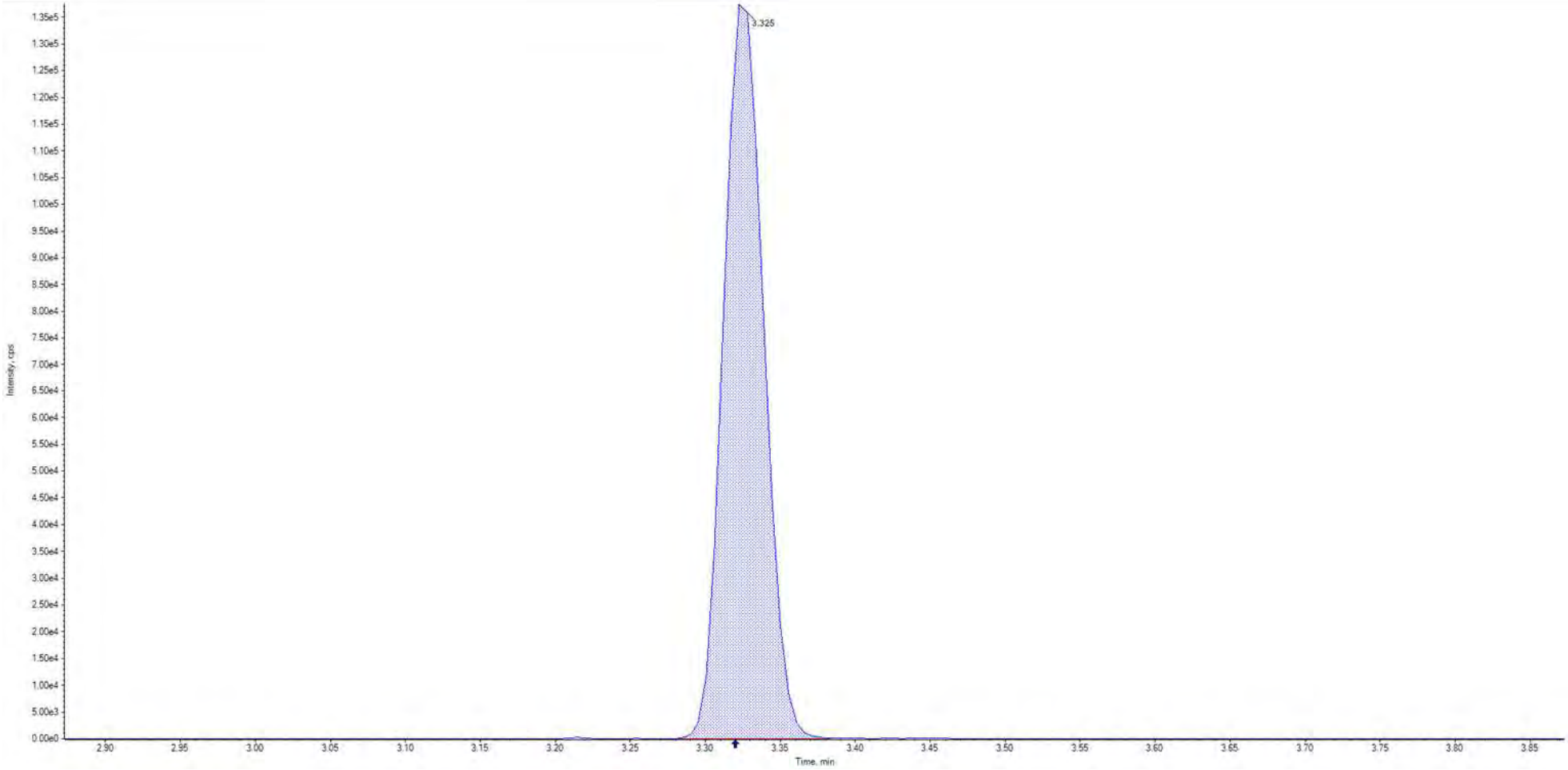
13C4-PFHpA
Sample: IA1633STD-12.5



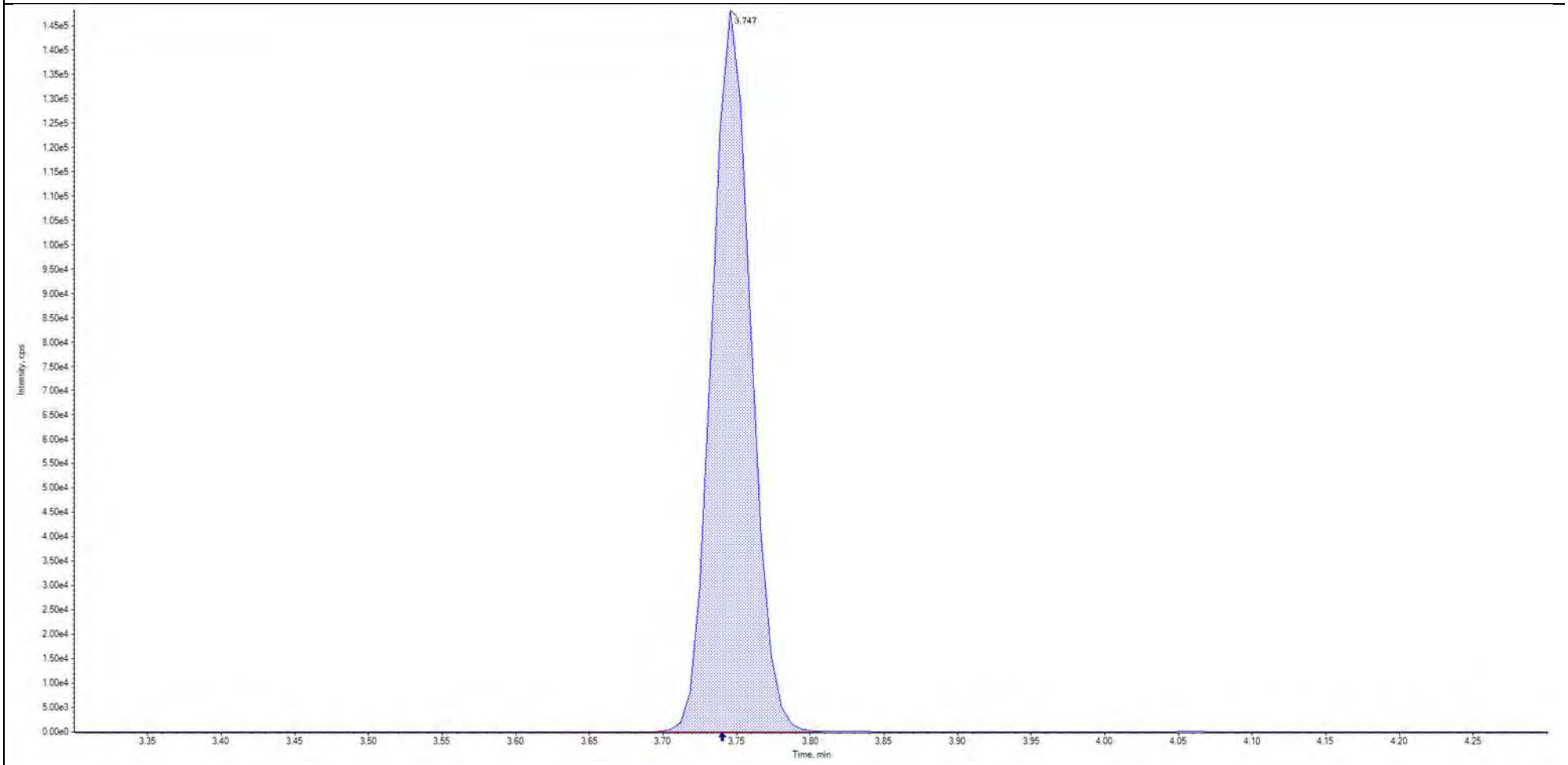
13C8-PFOA
Sample: IA1633STD-12.5



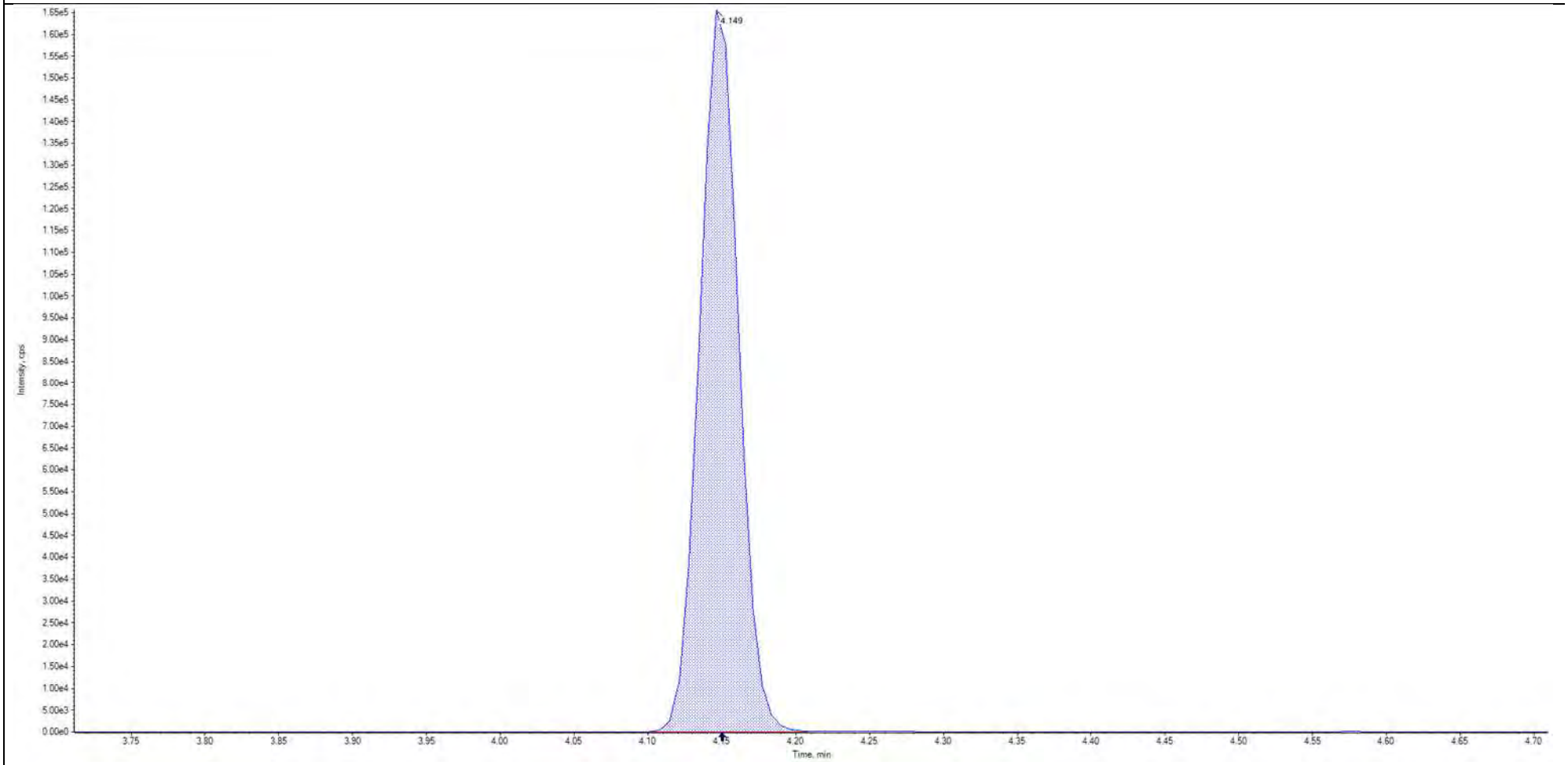
13C9-PFNA
Sample: IA1633STD-12.5



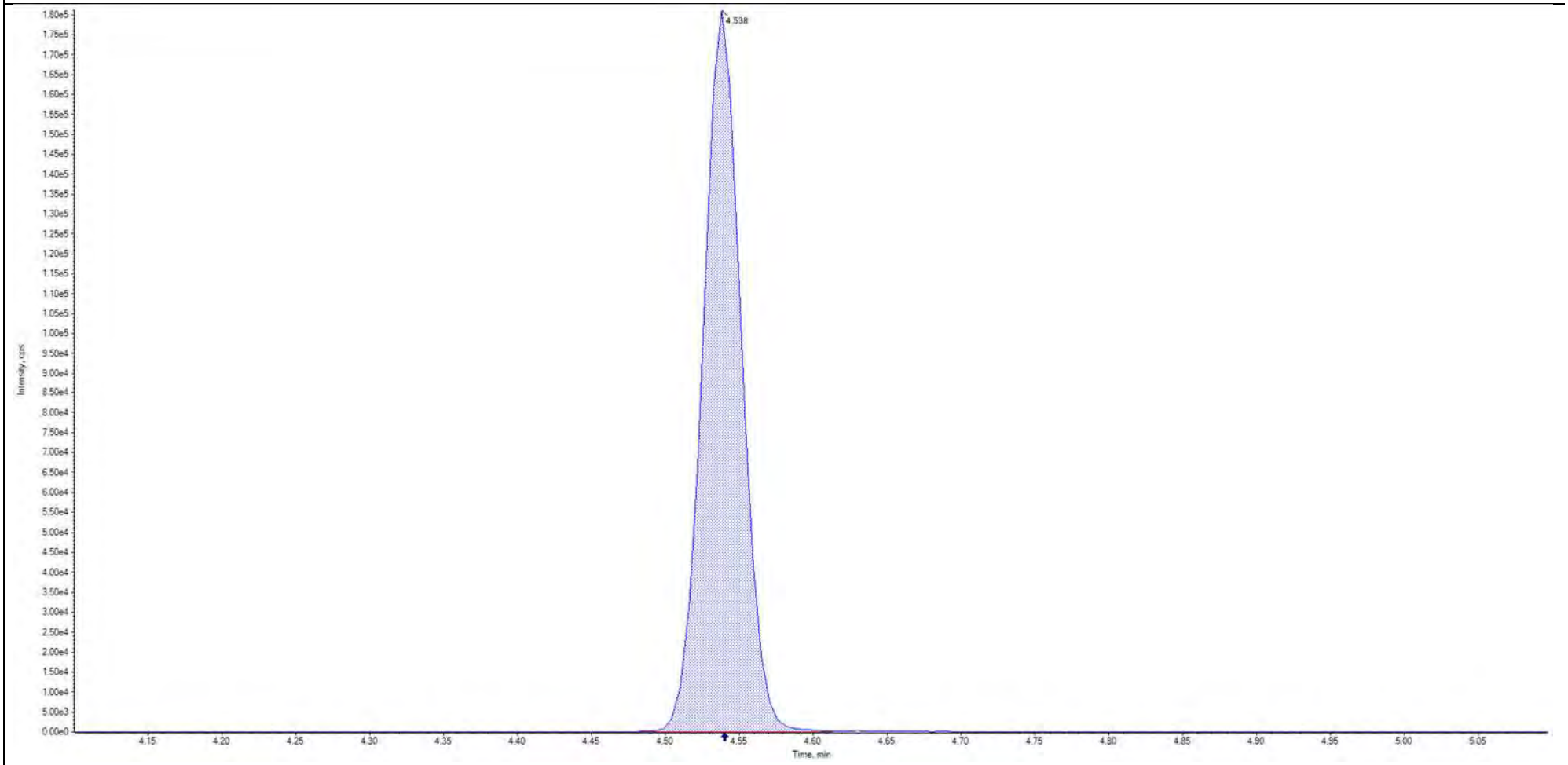
13C6-PFDA
Sample: IA1633STD-12.5



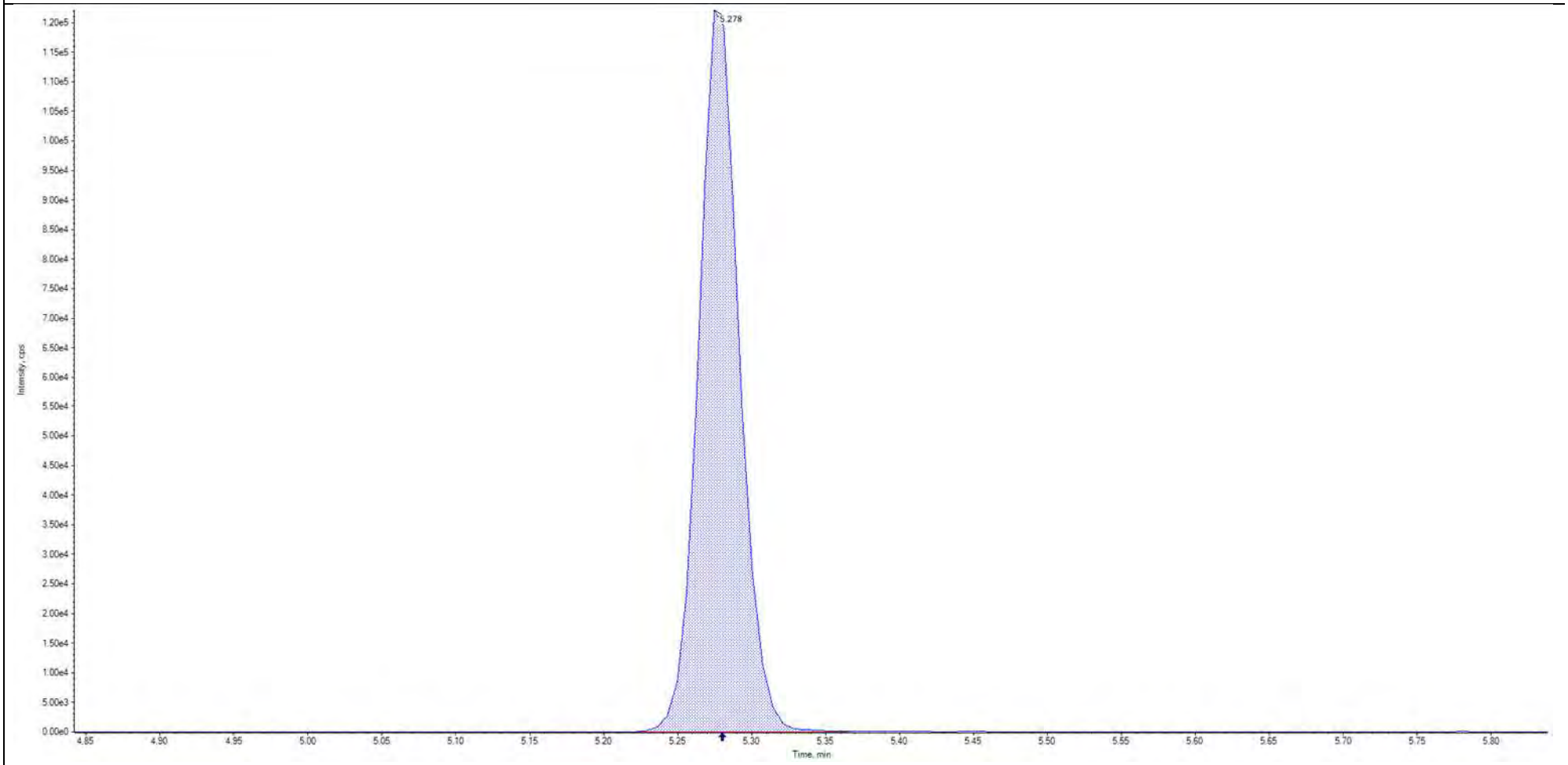
13C7-PFUnA
Sample: IA1633STD-12.5



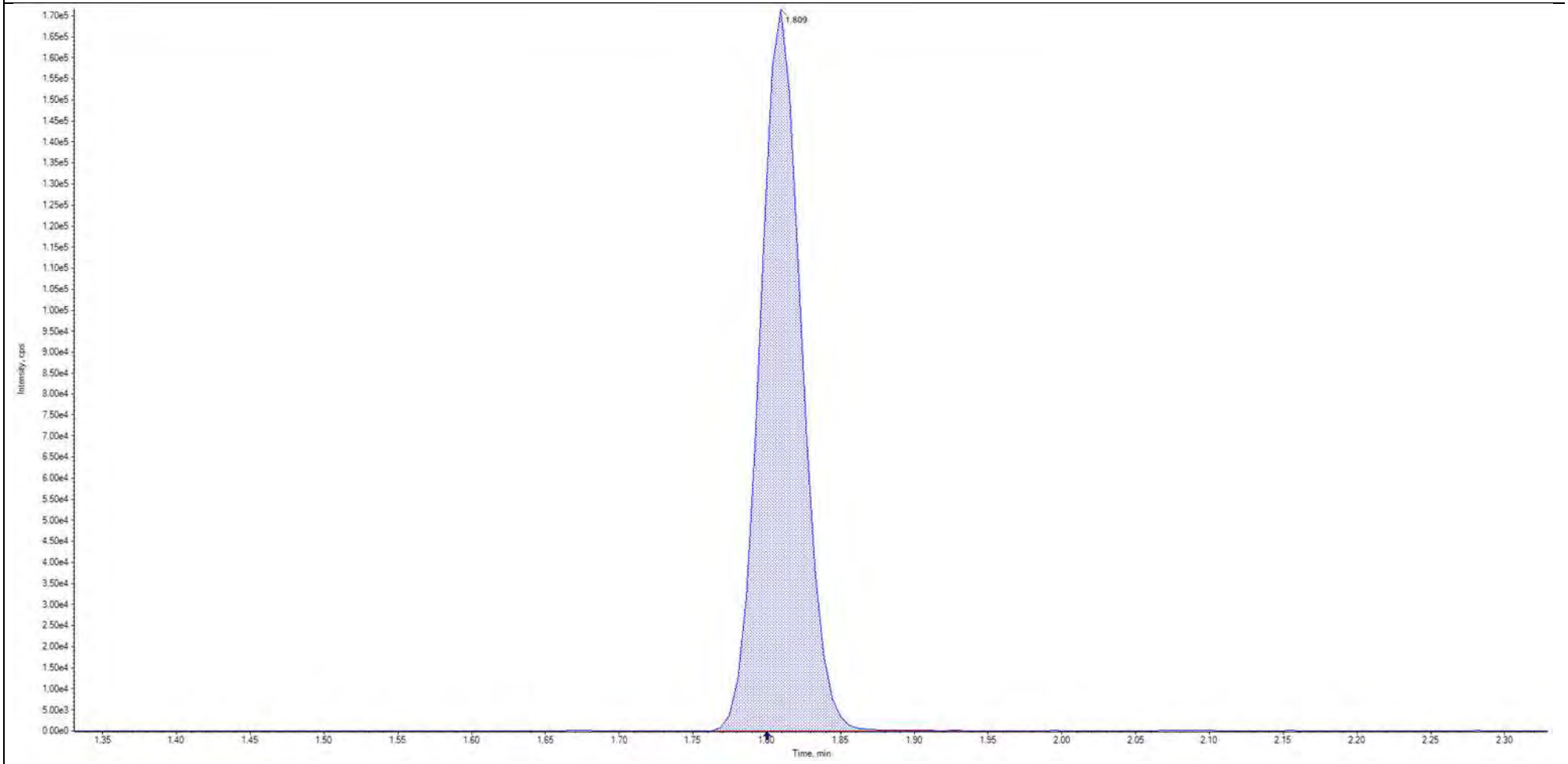
13C2-PFDoA
Sample: IA1633STD-12.5



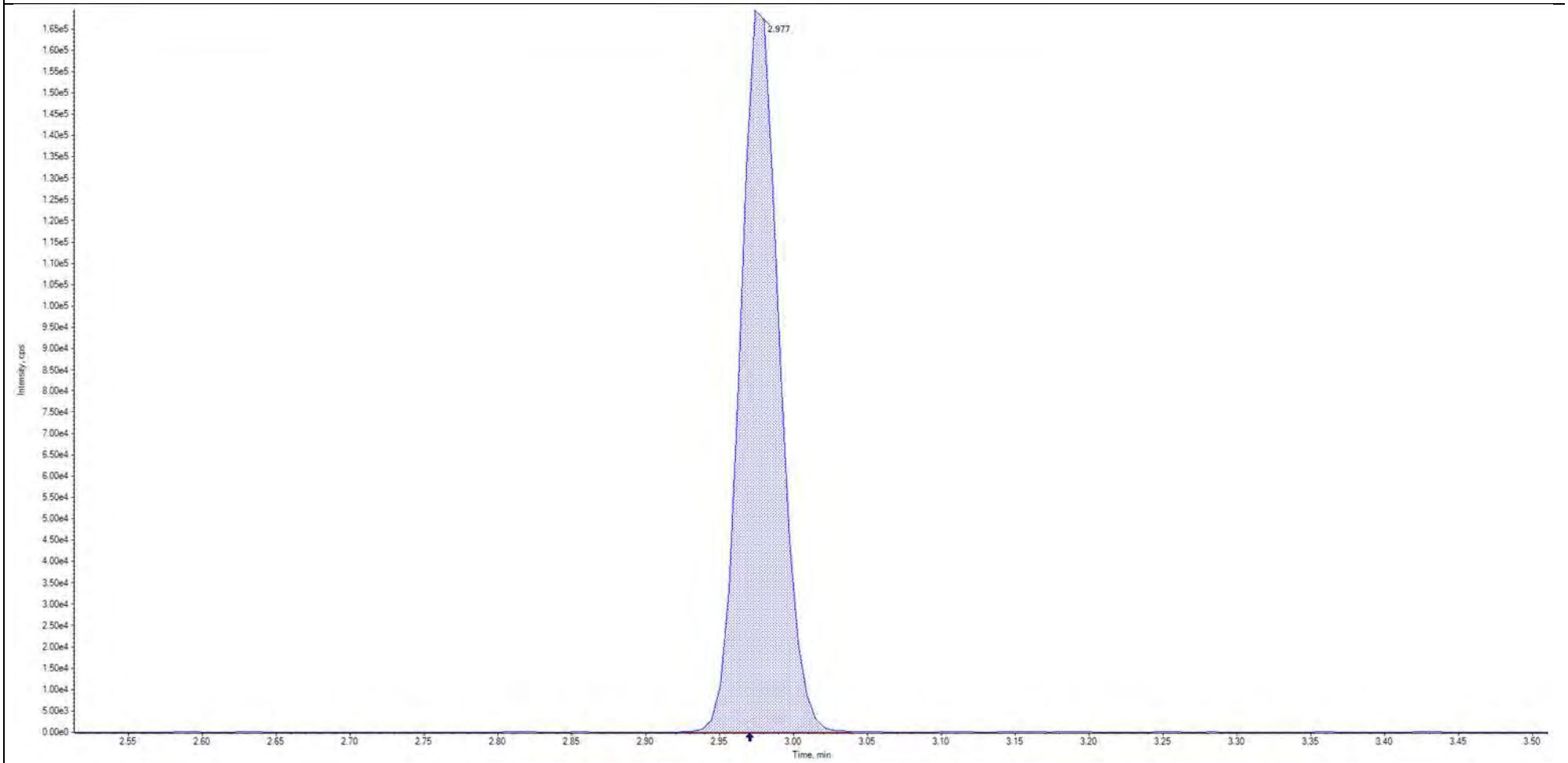
13C2-PFTeDA
Sample: IA1633STD-12.5



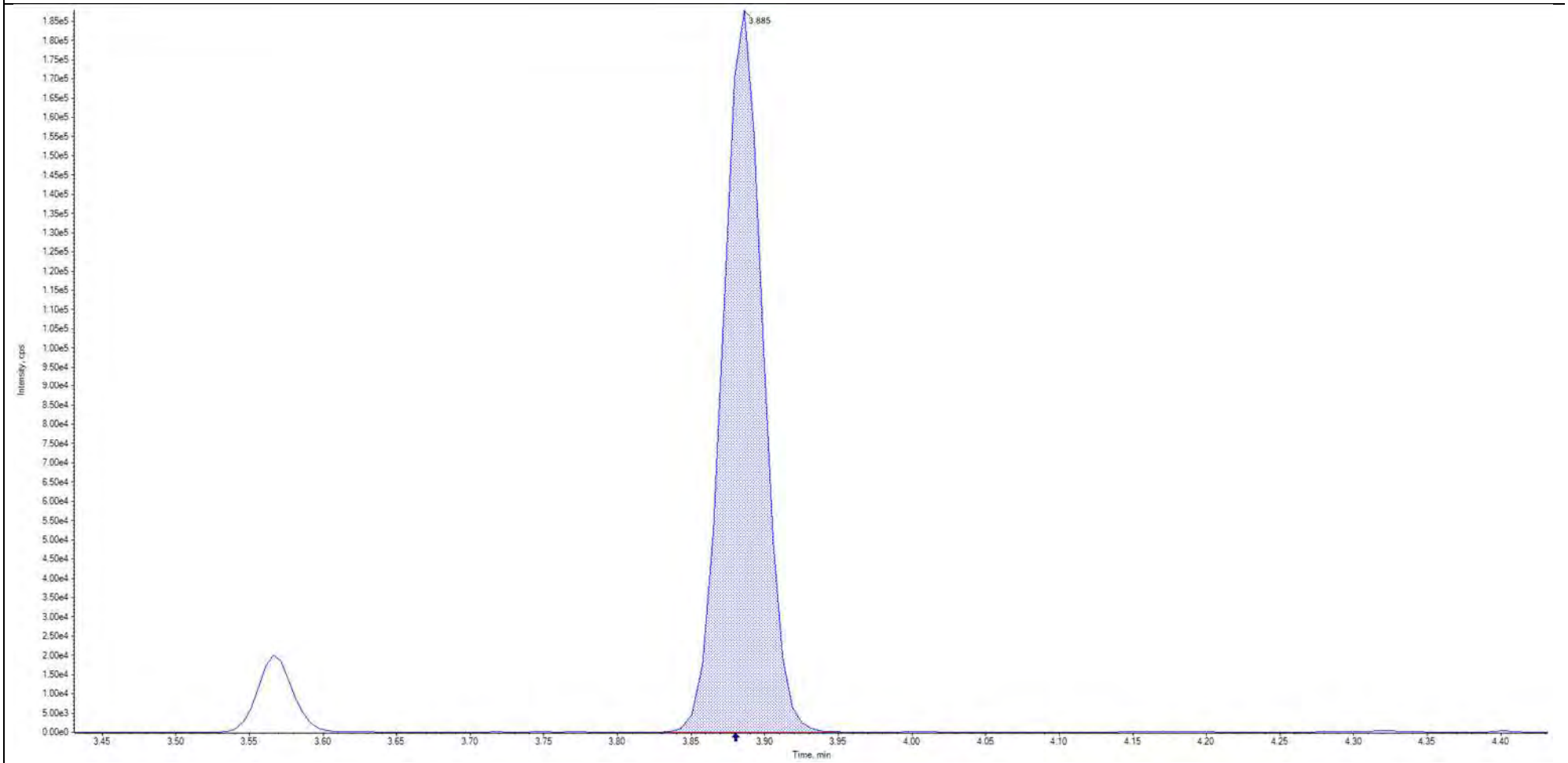
13C3-PFBS
Sample: IA1633STD-12.5



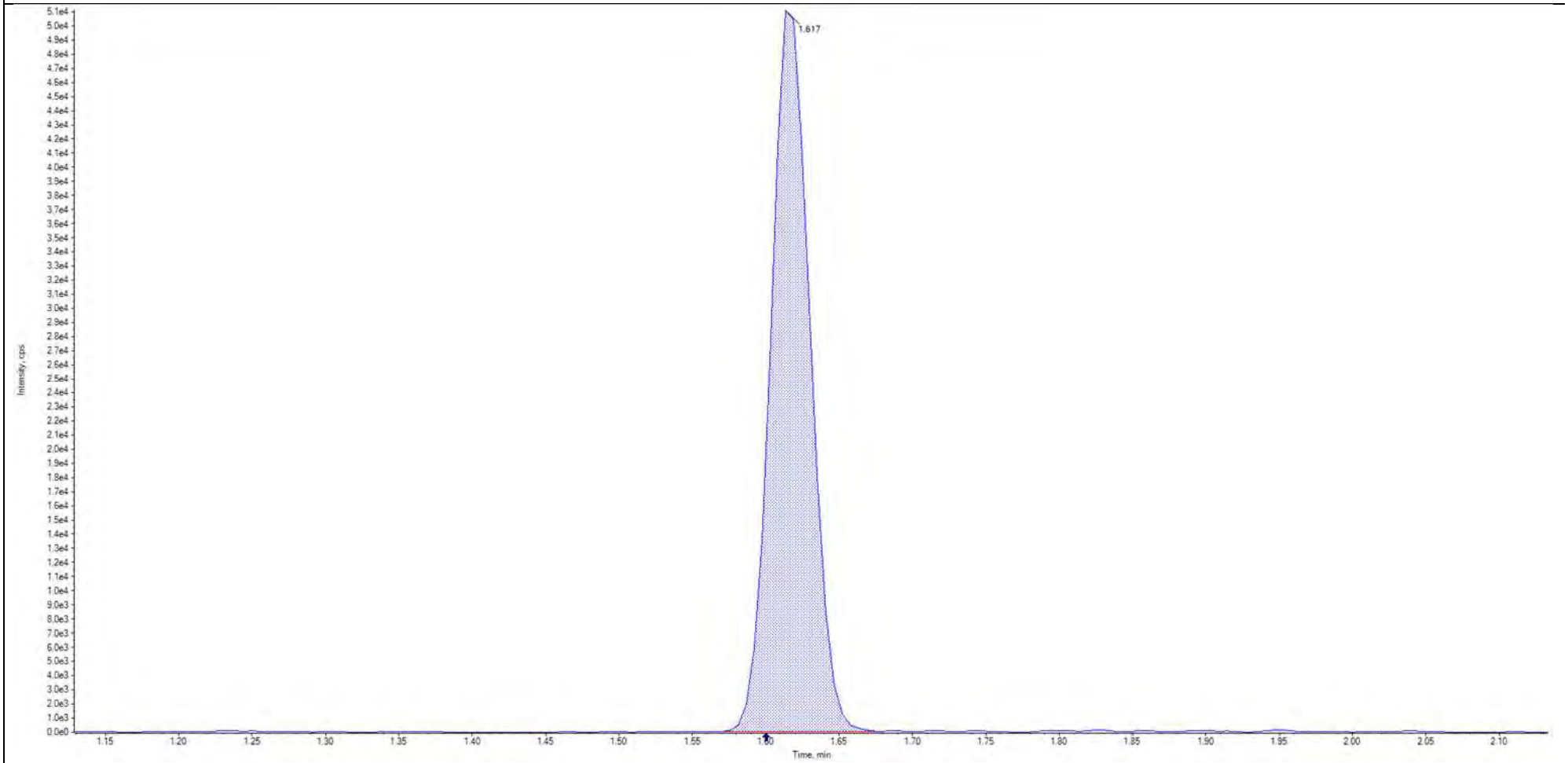
13C3-PFHxS
Sample: IA1633STD-12.5



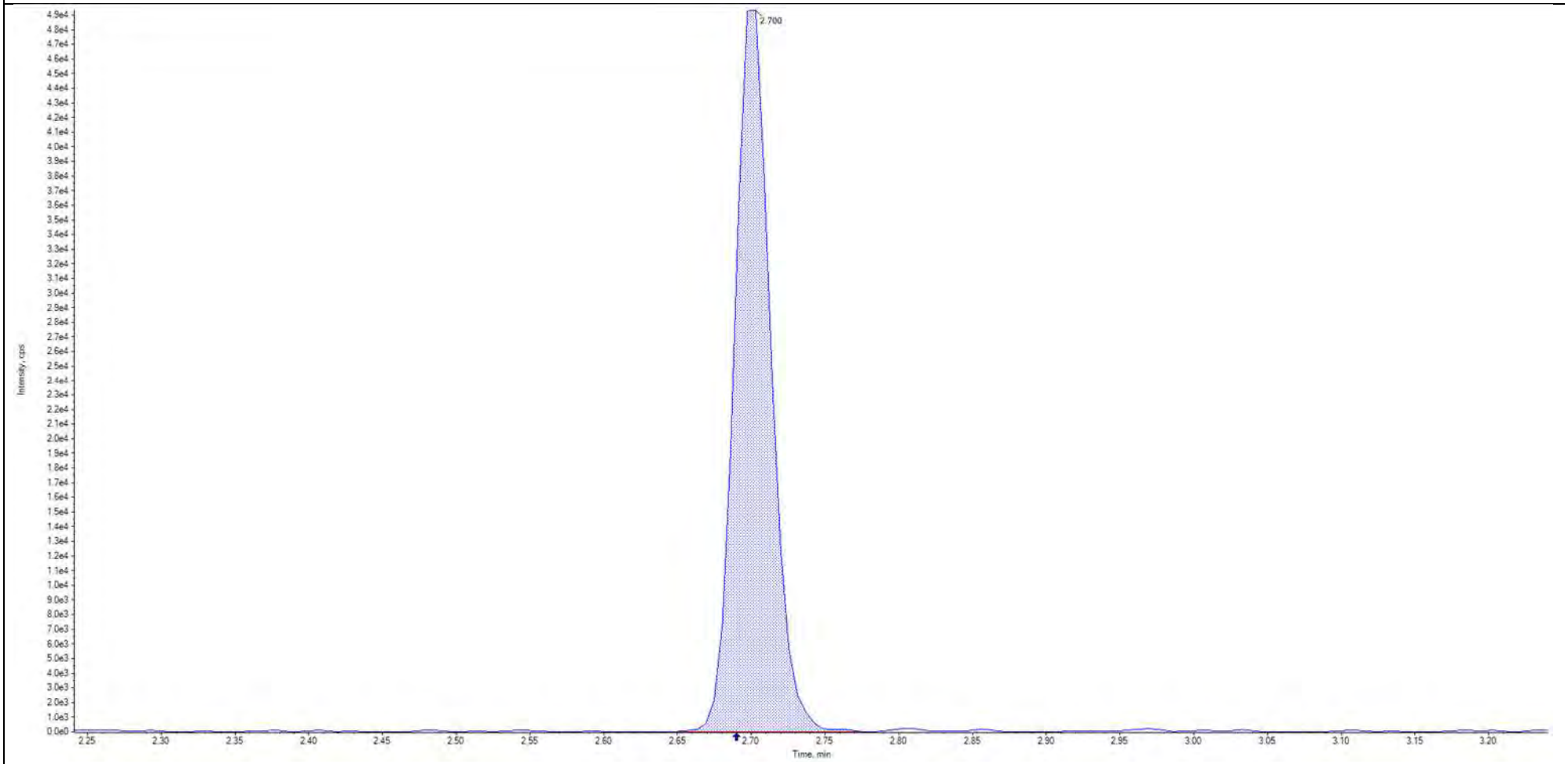
13C8-PFOS
Sample: IA1633STD-12.5



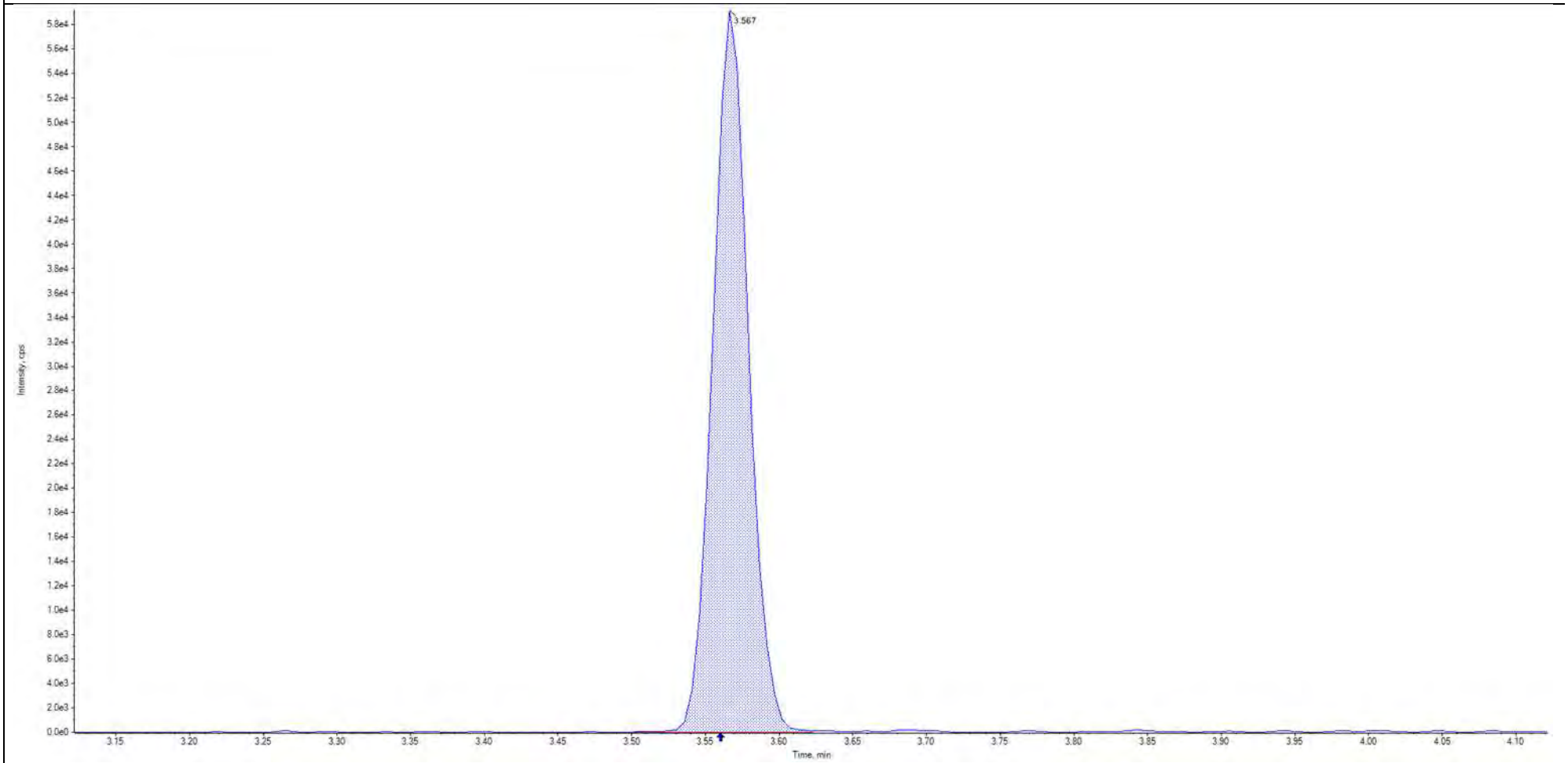
13C2-4:2FTS
Sample: IA1633STD-12.5



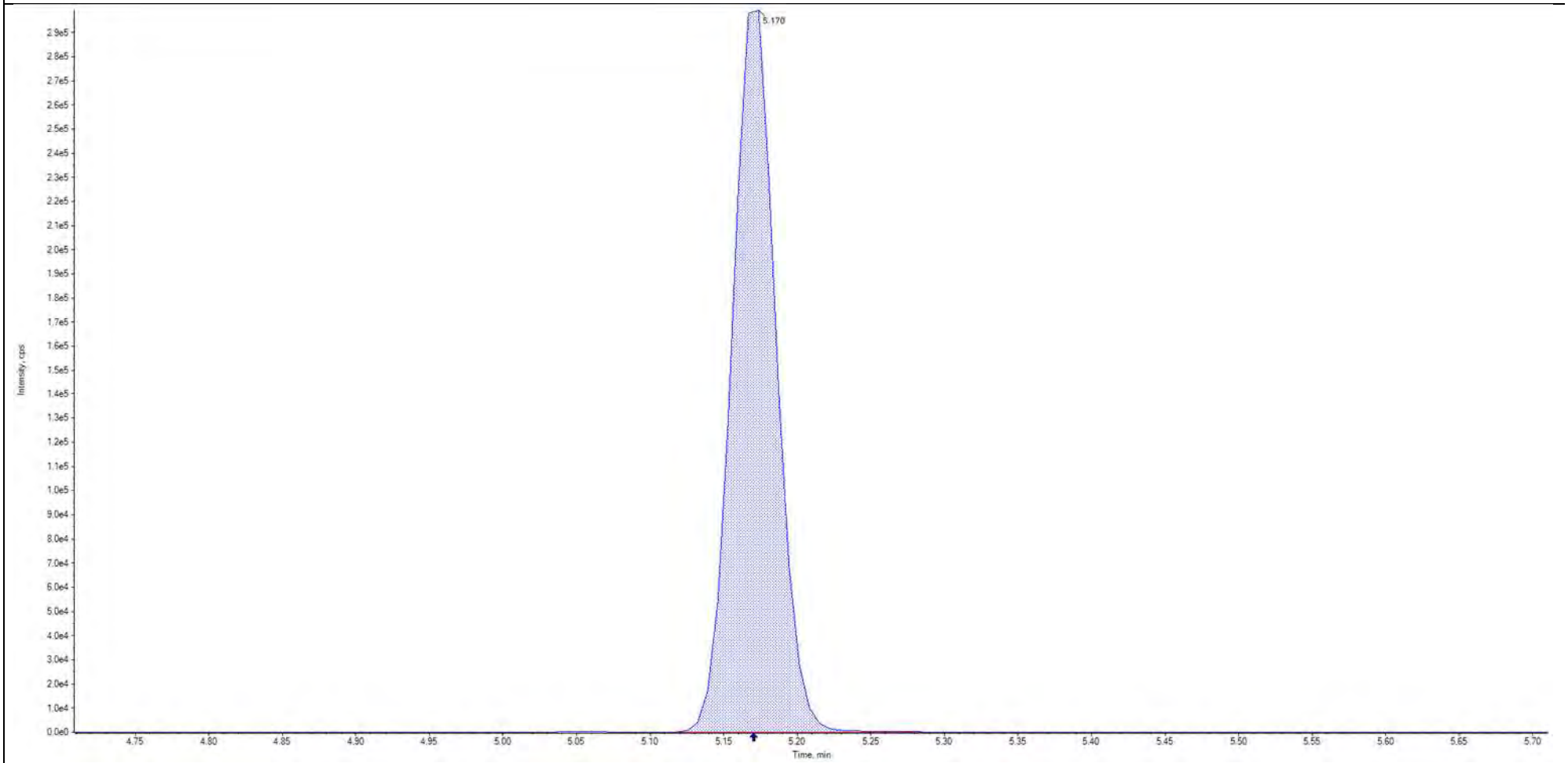
13C2-6:2FTS
Sample: IA1633STD-12.5



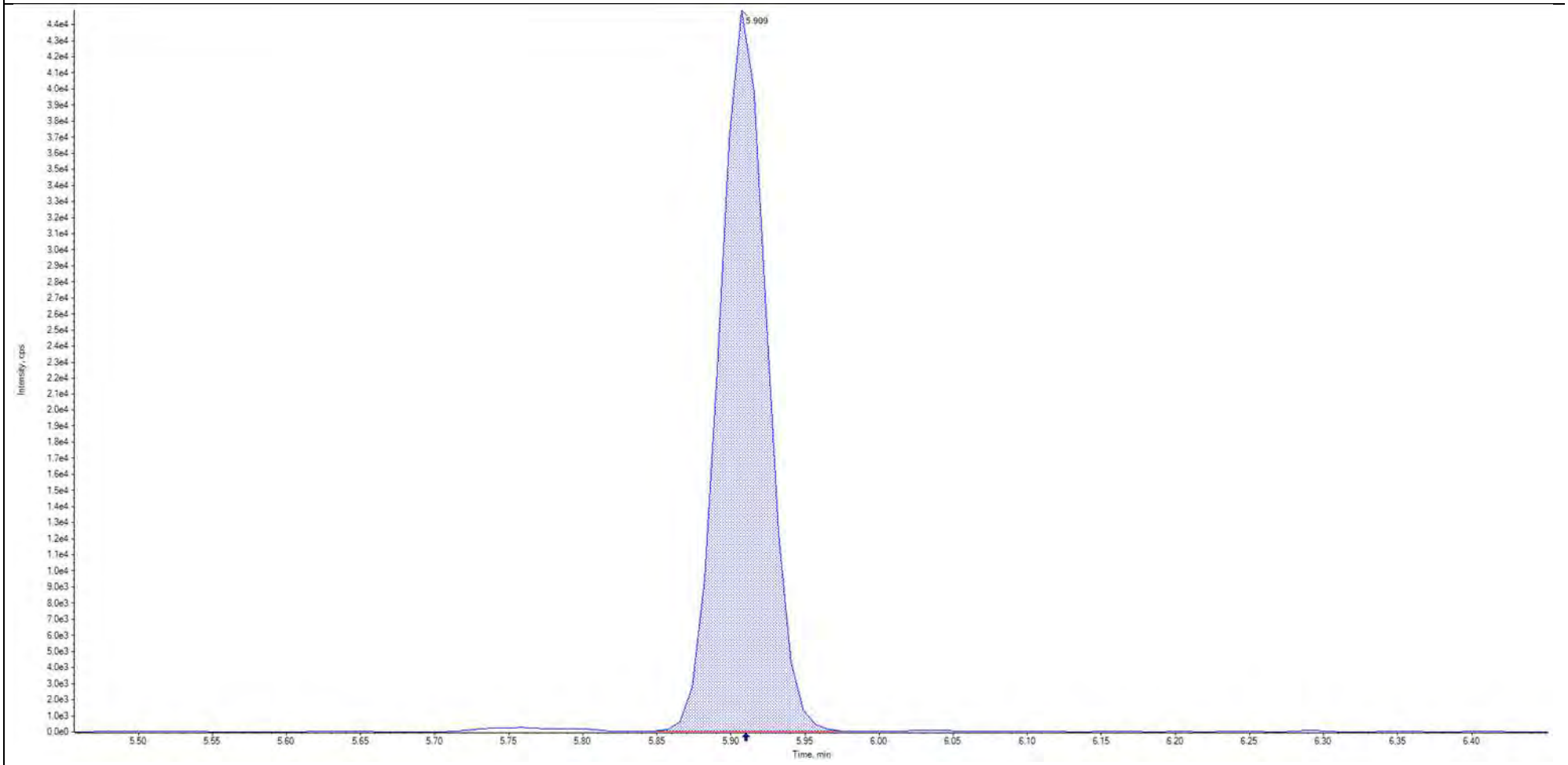
13C2-8:2FTS
Sample: IA1633STD-12.5



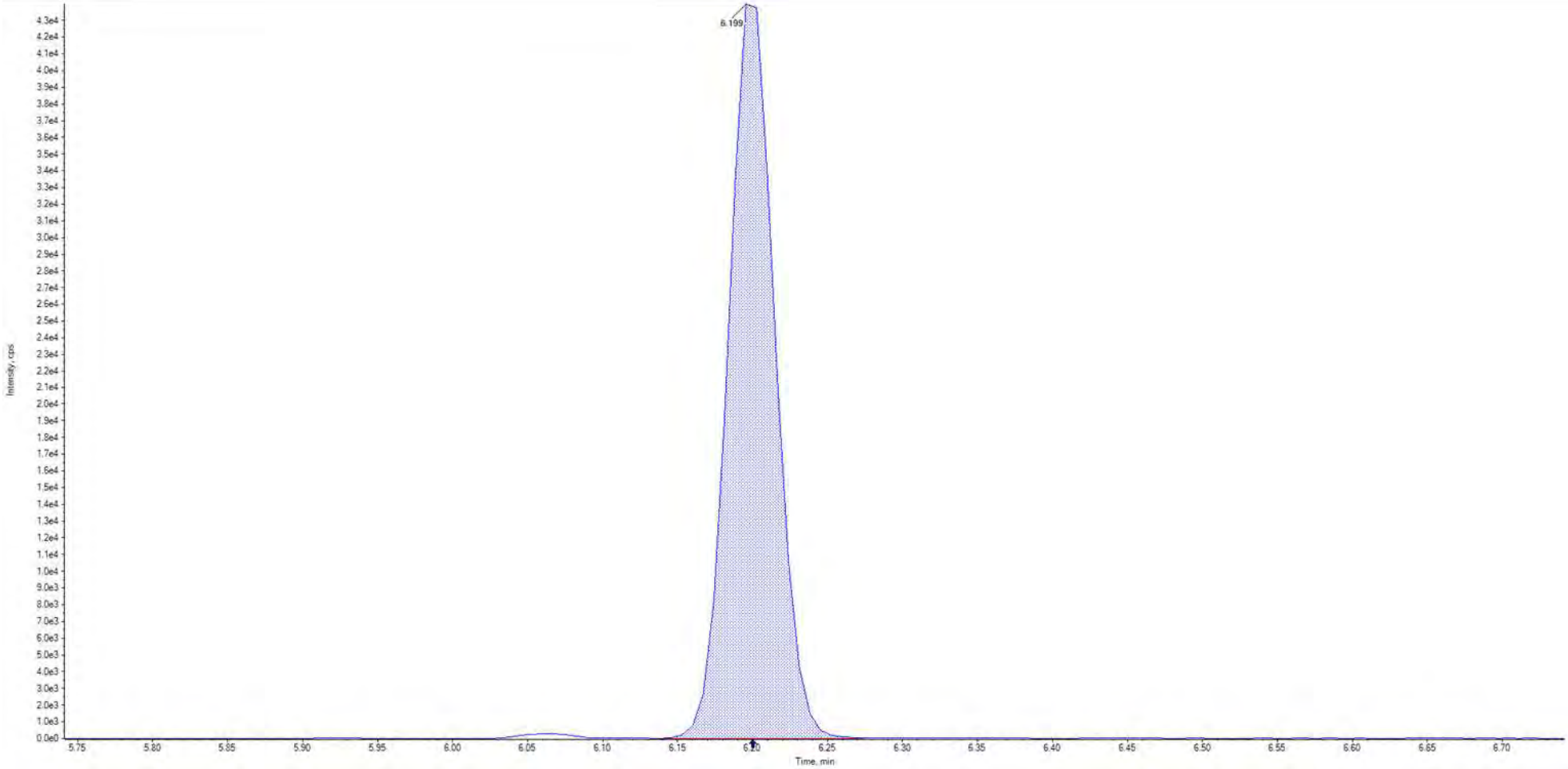
13C8-PFOSA
Sample: IA1633STD-12.5



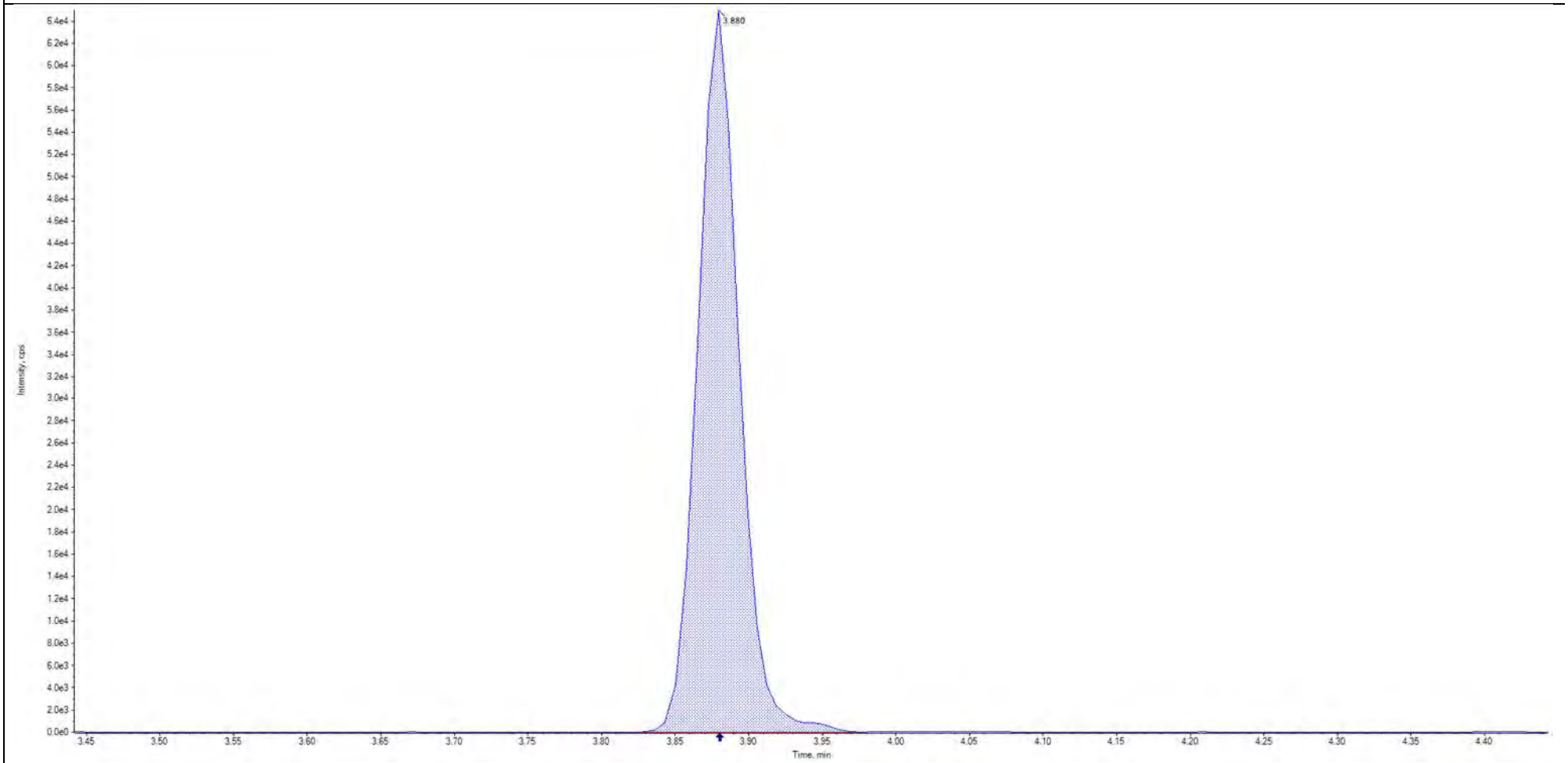
d3-NMeFOSA
Sample: IA1633STD-12.5



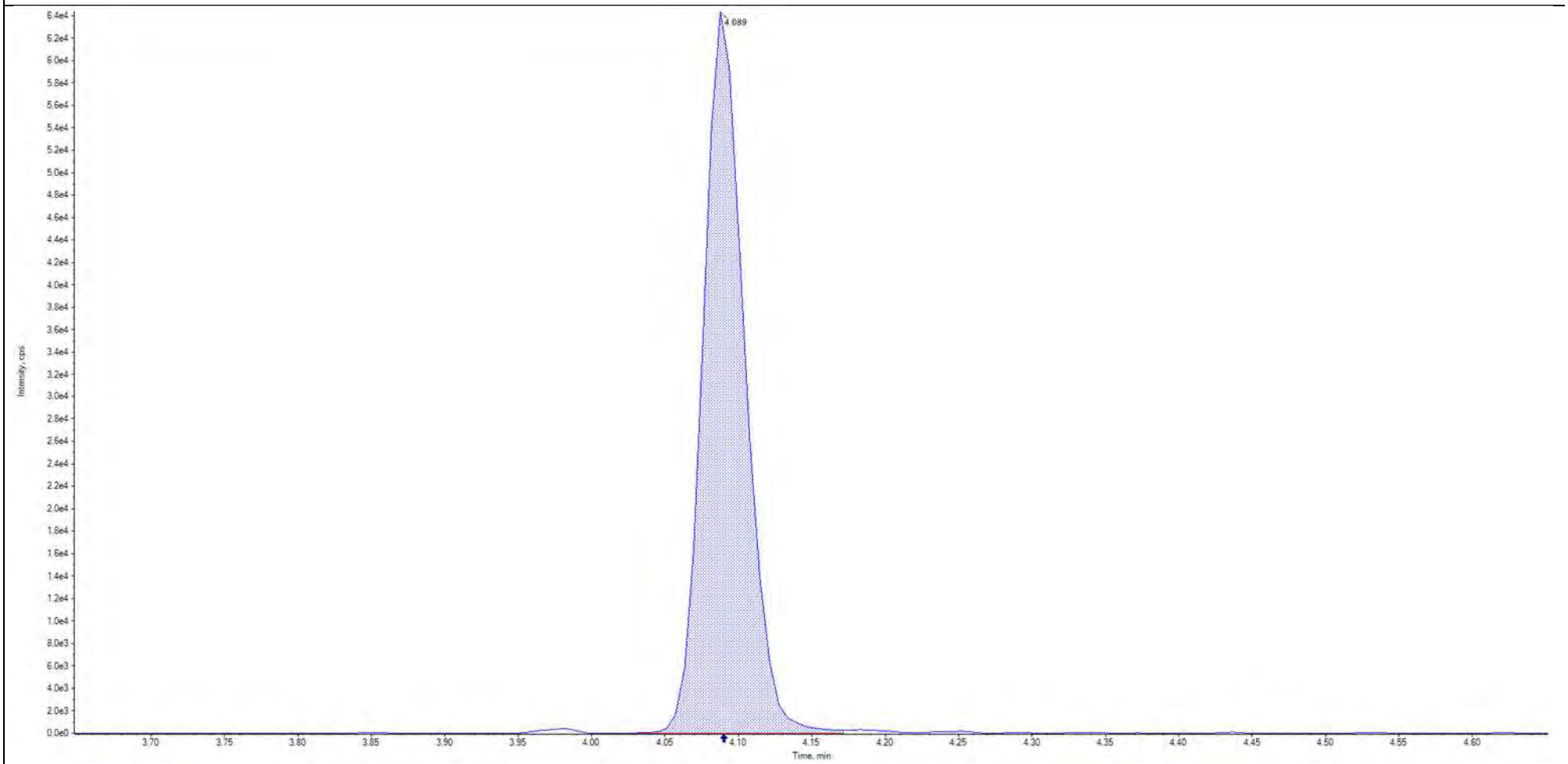
d5-NEtFOSA
Sample: IA1633STD-12.5



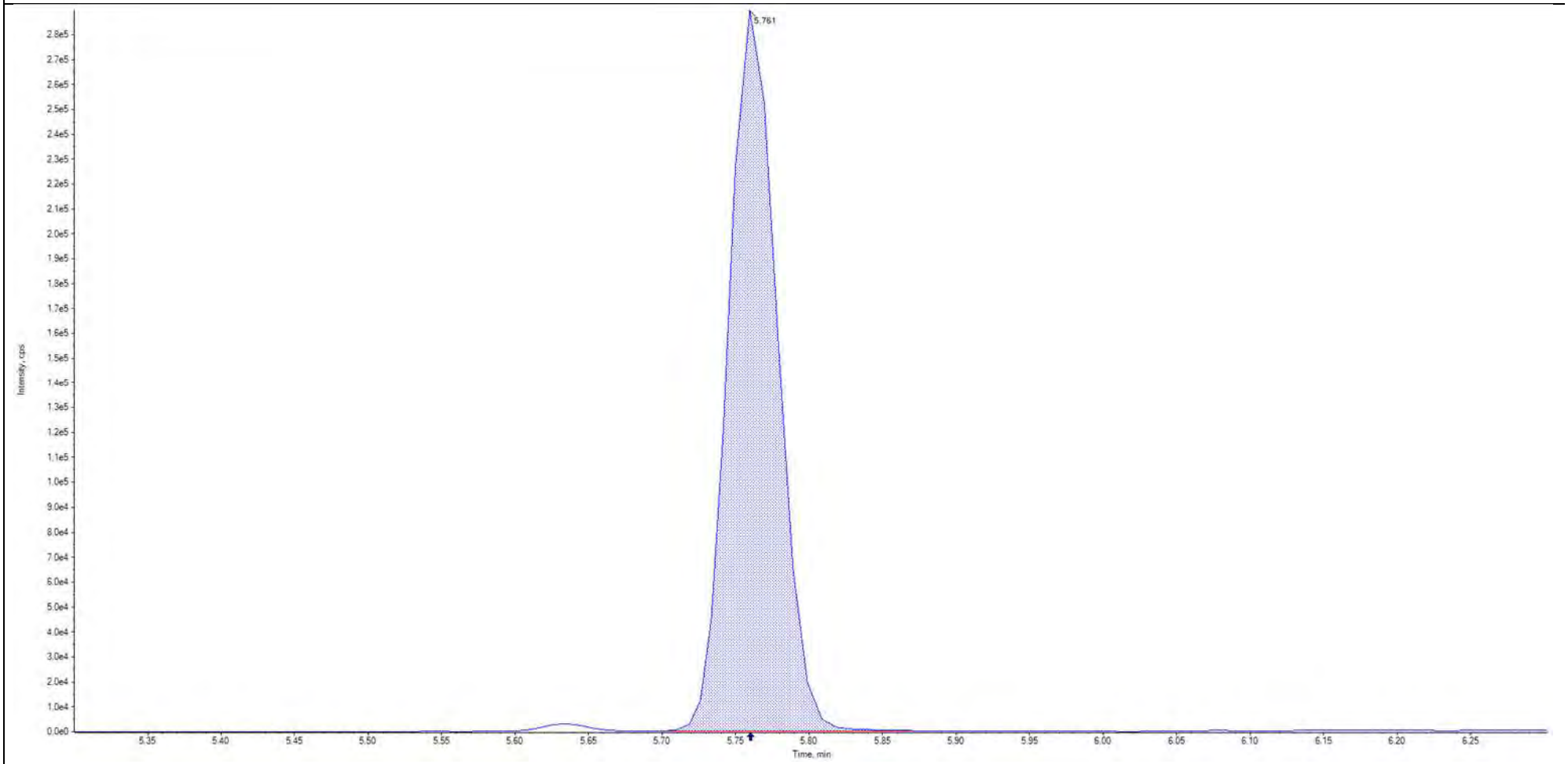
d3-NMeFOSAA
Sample: IA1633STD-12.5



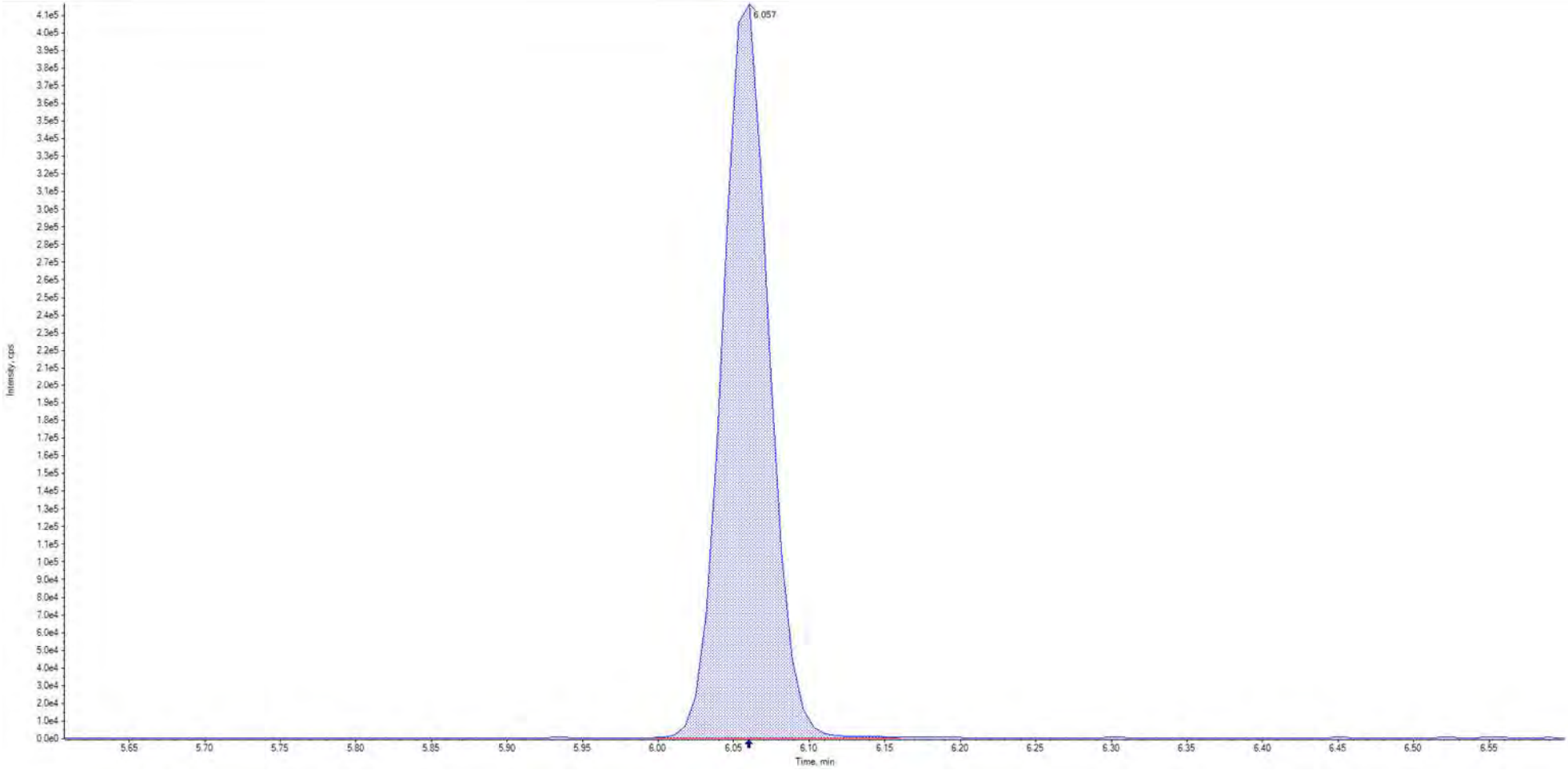
d5-NEtFOSAA
Sample: IA1633STD-12.5



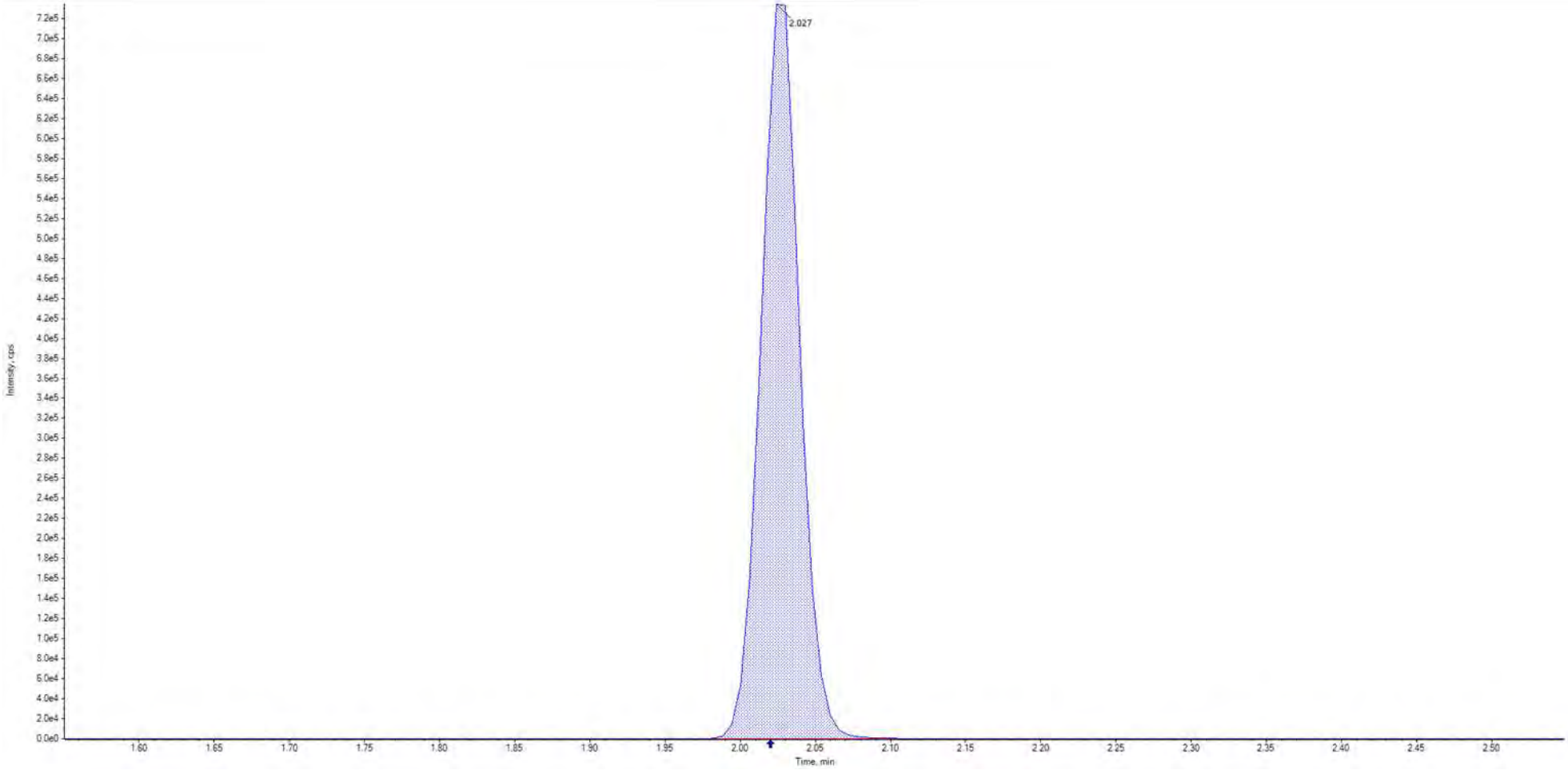
d7-NMeFOSE
Sample: IA1633STD-12.5



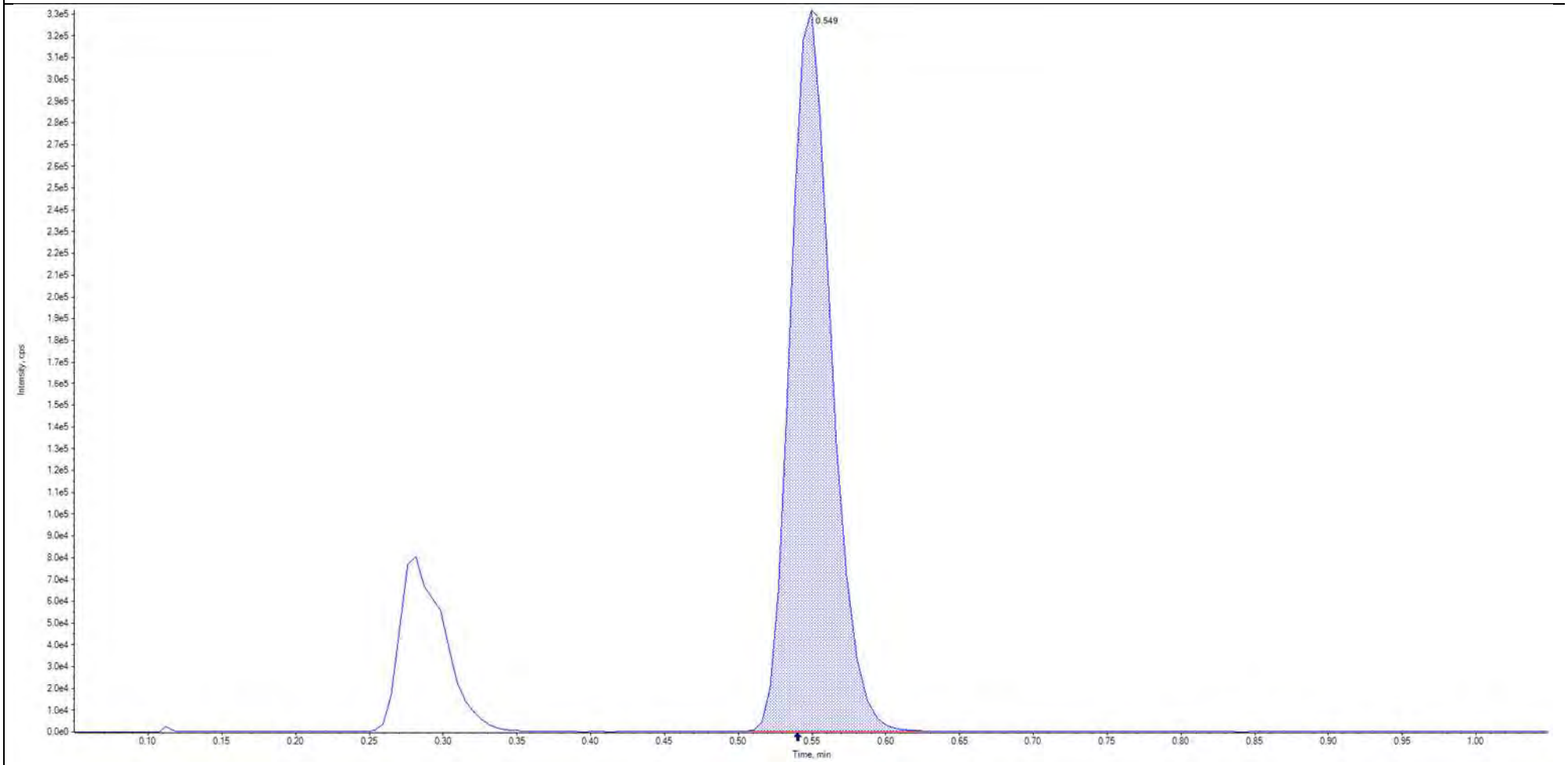
d9-NEtFOSE
Sample: IA1633STD-12.5



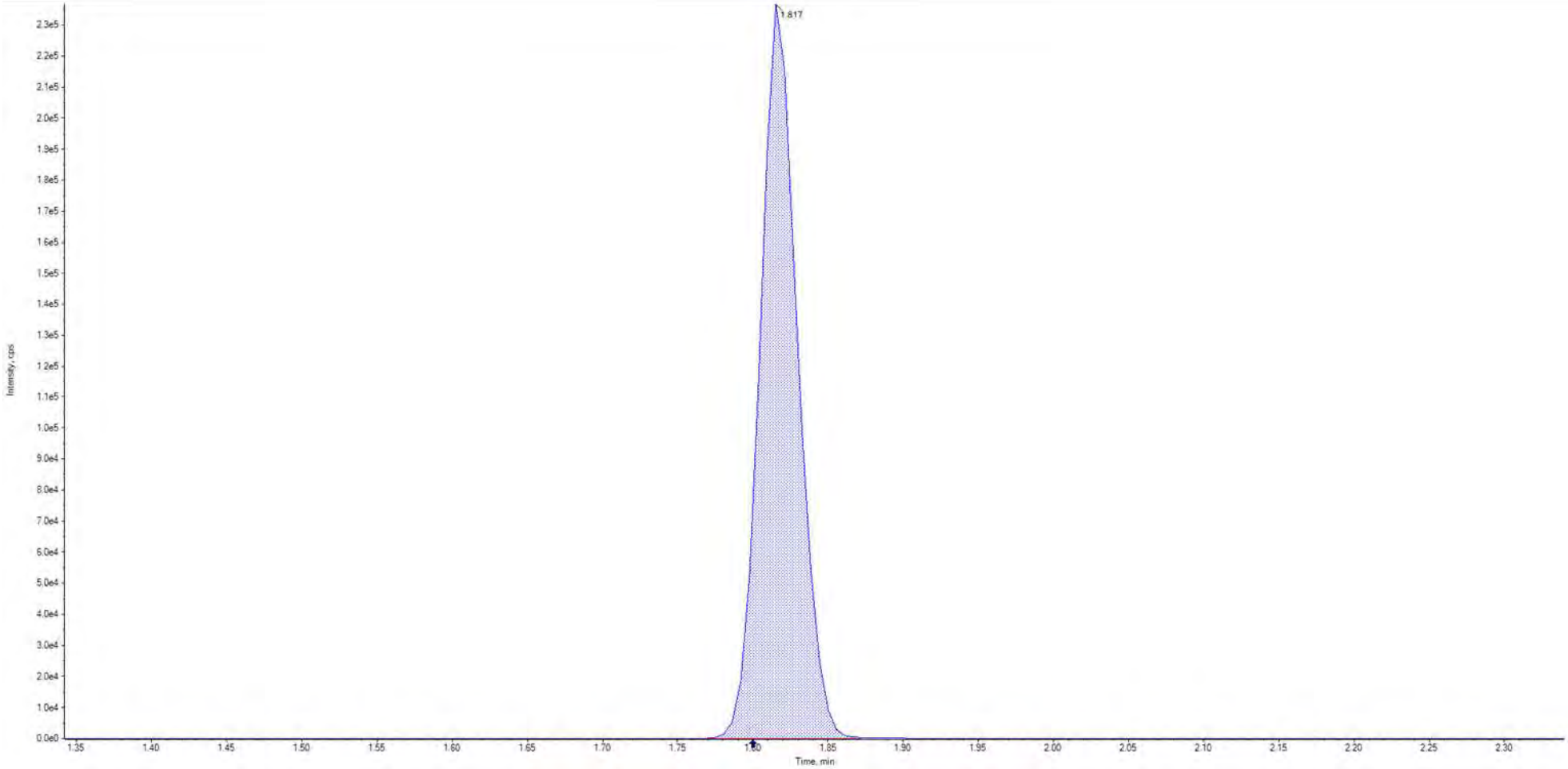
13C3-HFPO-DA
Sample: IA1633STD-12.5



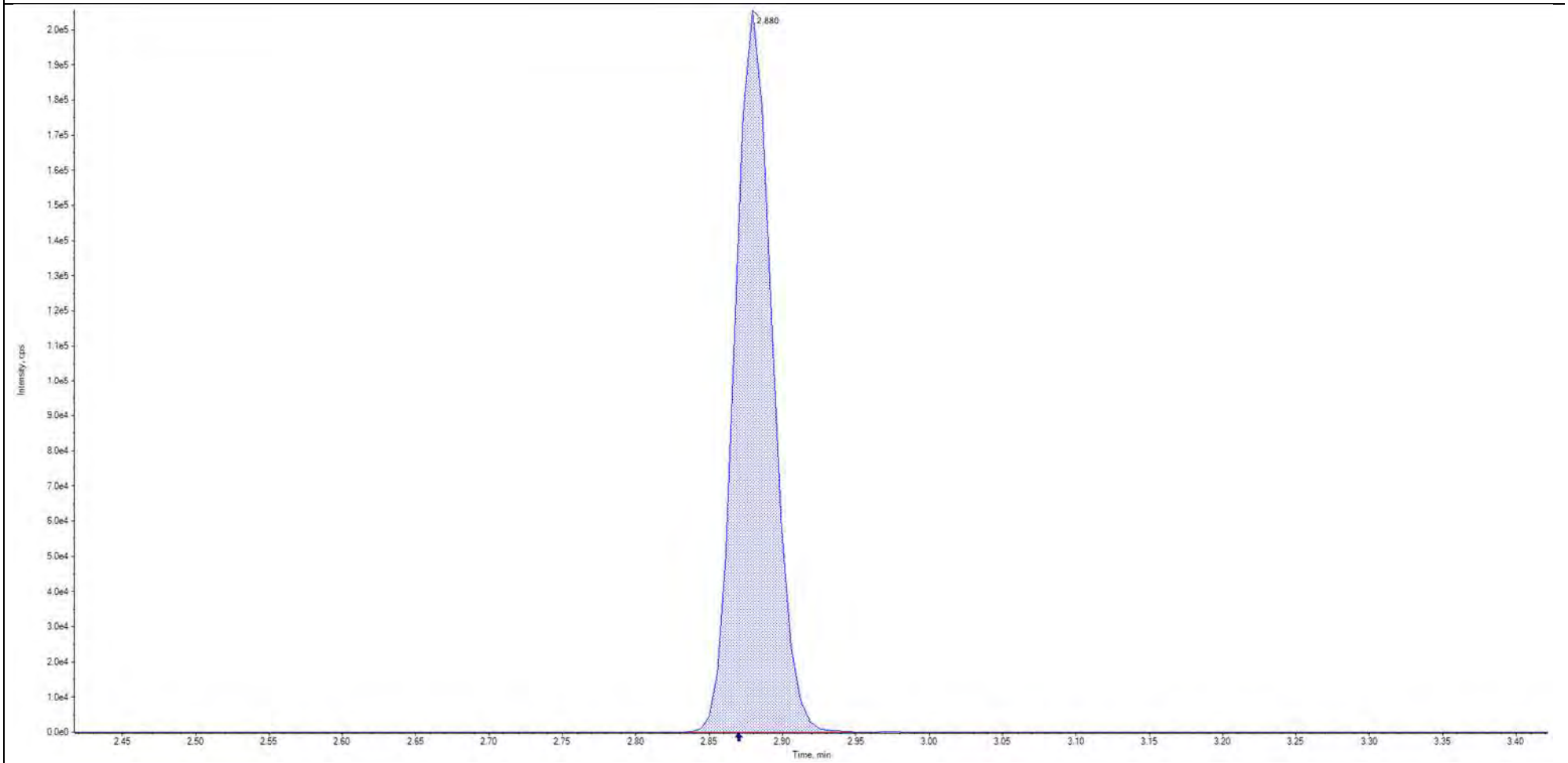
13C3-PFBA
Sample: IA1633STD-12.5



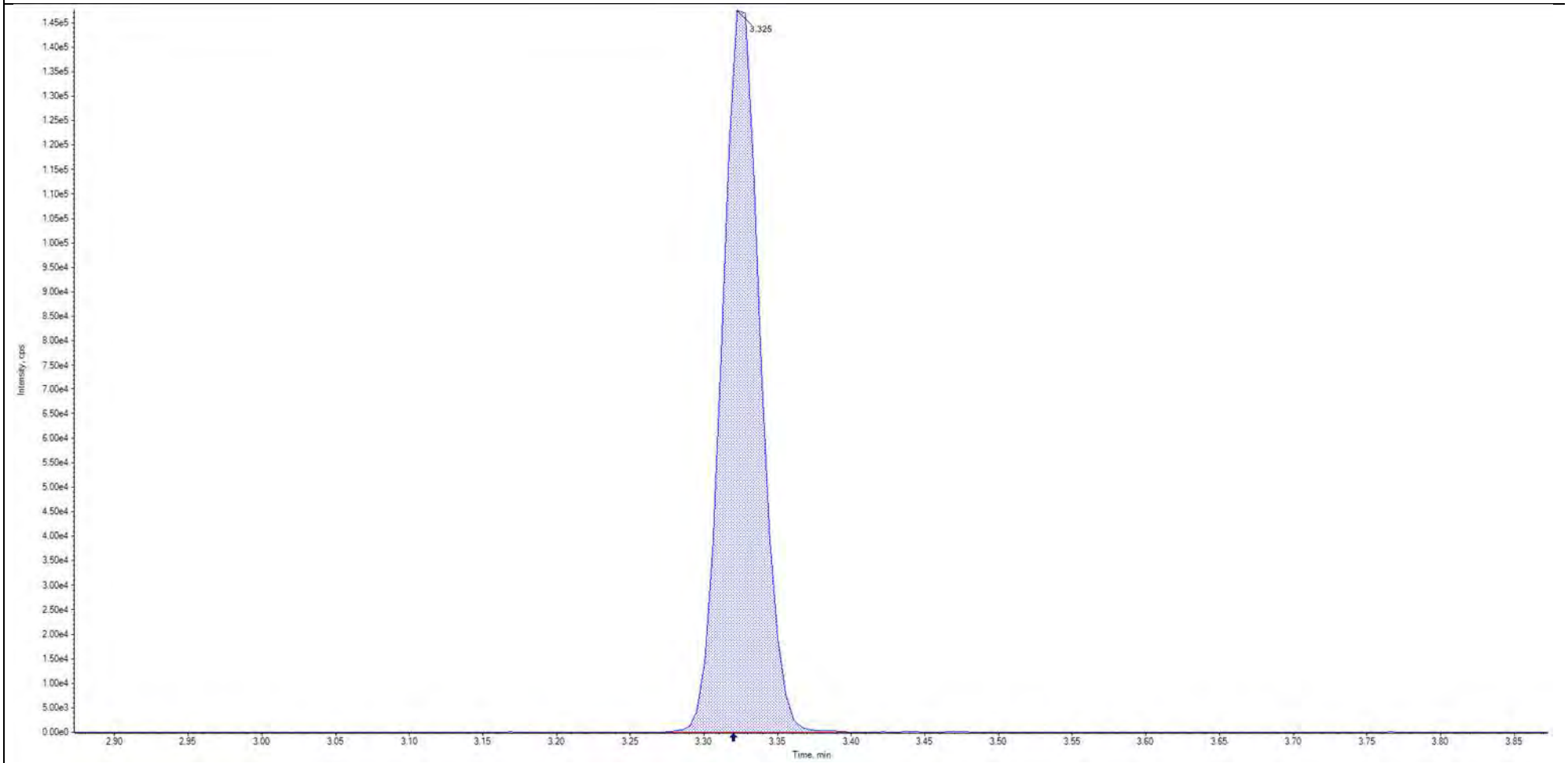
13C2-PFHxA
Sample: IA1633STD-12.5



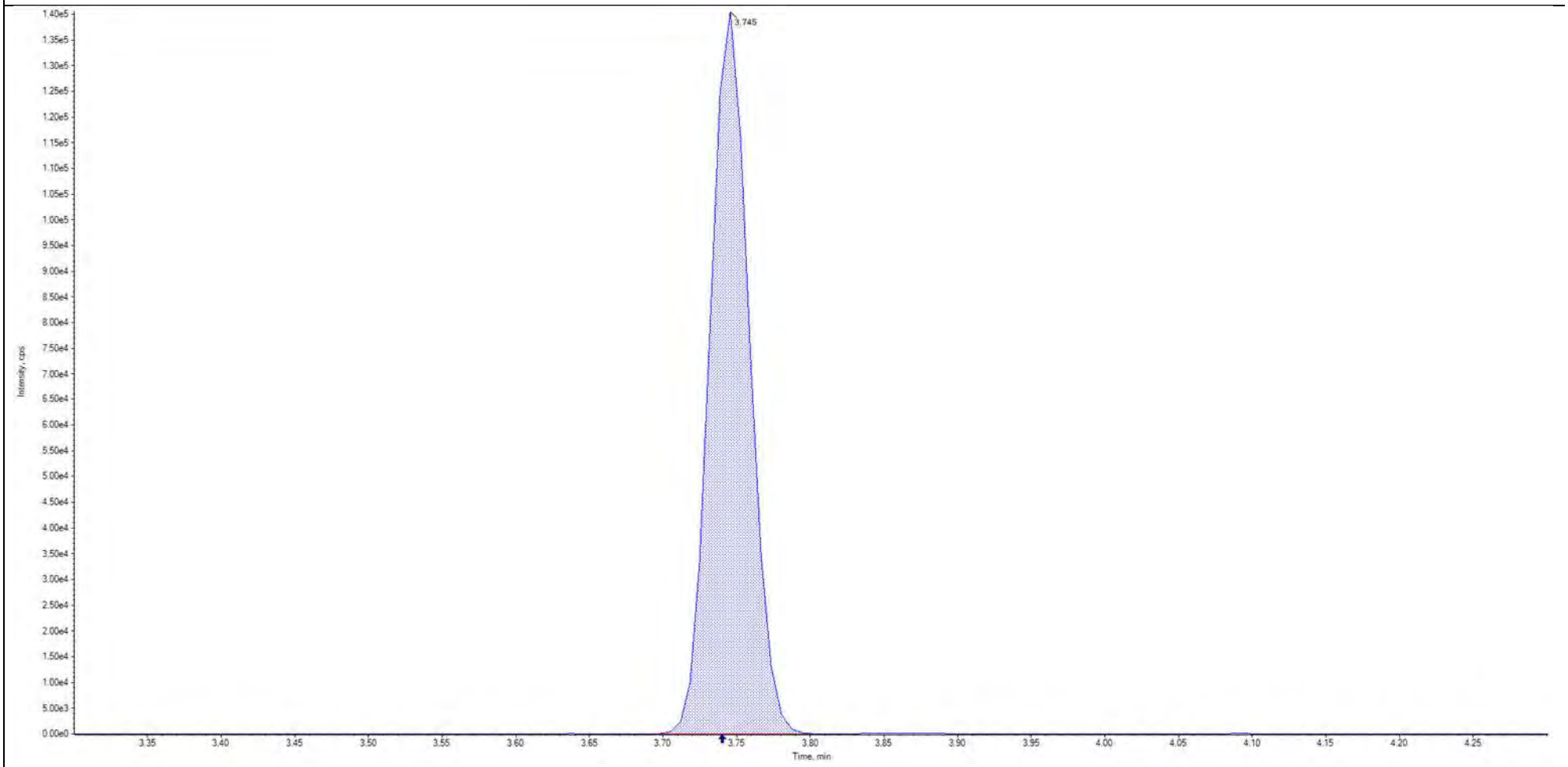
13C4-PFOA
Sample: IA1633STD-12.5



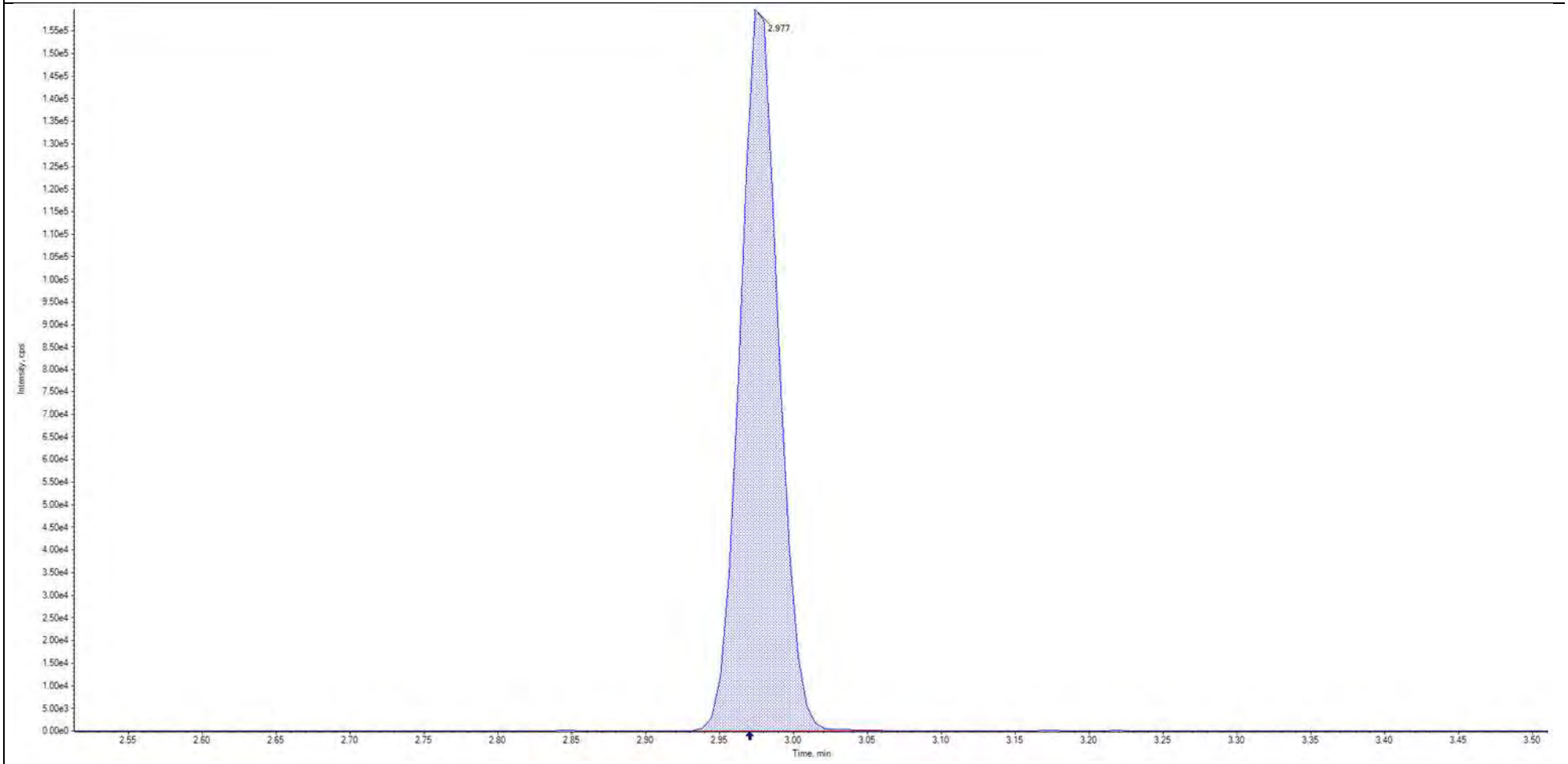
13C5-PFNA
Sample: IA1633STD-12.5



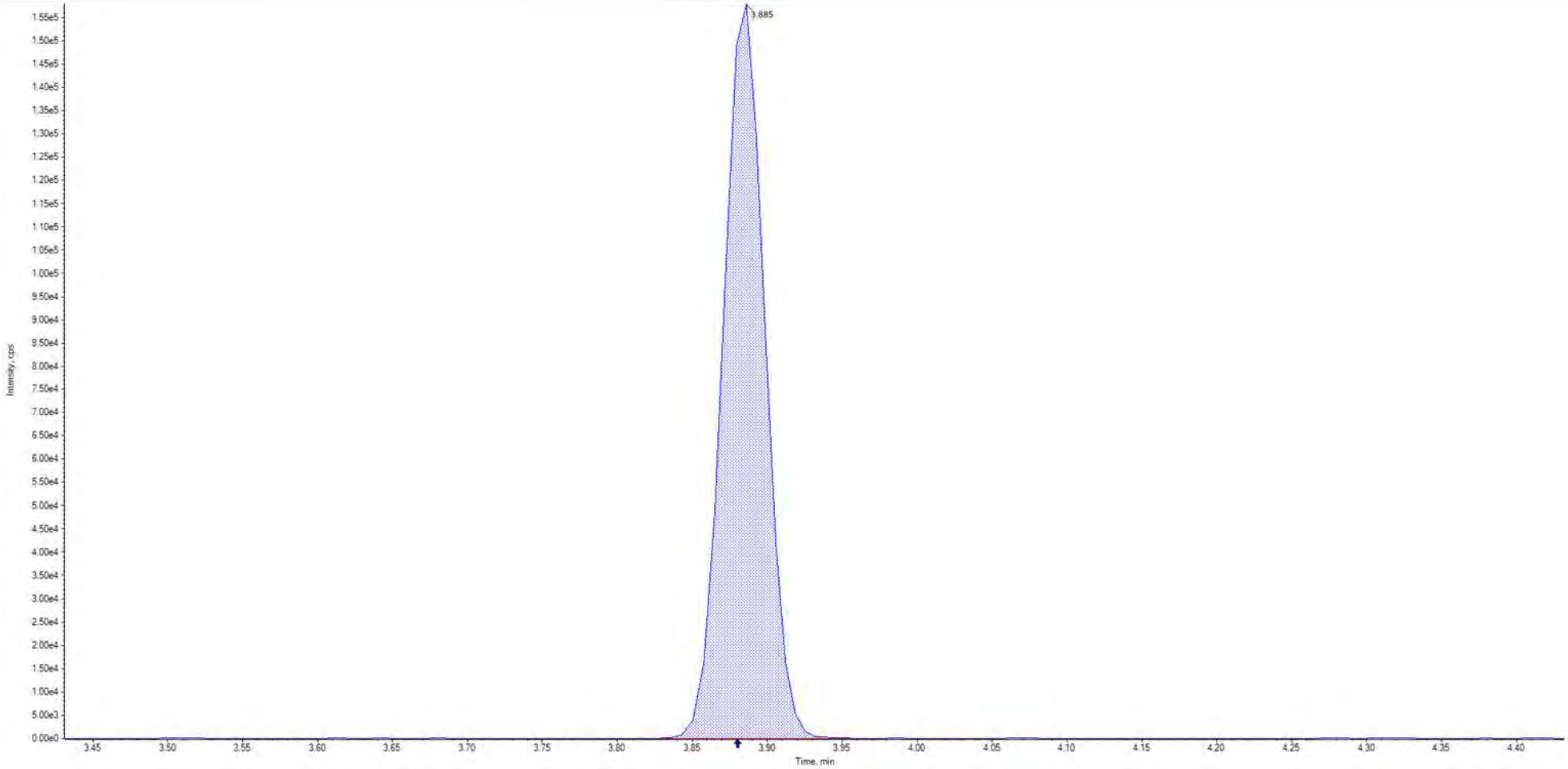
13C2-PFDA
Sample: IA1633STD-12.5



18O2-PFHxS
Sample: IA1633STD-12.5



13C4-PFOS
Sample: IA1633STD-12.5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_21.wiff2_6
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

Method: EPA1633F.qmethod
Calibration: 241112_1633_ICAL

ID: IA1633STD-25
Name: SCI09_241112_22.wiff2
Date & Time: 2024-11-12T14:40:57
Description: WG1996415
Instrument: SCIEX Triple Quad 5500+
User: LCMS09:PNB

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.55	213.0 / 169.0	11790802		106.585	N/A	N/A	N/A	106.6
2	PFPeA	2706-90-3	1.07	263.0 / 219.0	5618159		54.738	0.007	N/A	N/A	109.5
3	PFPeA_2	2706-90-3	1.07	263.0 / 68.9	40967		45.797	0.007	N/A	N/A	91.6
4	PFHxA	307-24-4	1.81	313.0 / 269.0	3768217		25.968	0.094	0.089	Pass	103.9
5	PFHxA_2	307-24-4	1.81	313.0 / 119.0	355702		26.988	0.094	0.089	Pass	108.0
6	PFHpA	375-85-9	2.39	363.1 / 319.0	4413152		27.712	0.381	0.384	Pass	110.9
7	PFHpA_2	375-85-9	2.39	363.1 / 169.0	1683092		27.169	0.381	0.384	Pass	108.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	2.88	413.1 / 369.1	4563961	M5	25.435	0.415	0.410	Pass	101.7
9	PFOA_2	335-67-1	2.88	413.1 / 169.0	1892325	M5	25.779	0.415	0.410	Pass	103.1
10	PFNA	375-95-1	3.33	462.8 / 418.9	4502915	M5	27.129	0.350	0.341	Pass	108.5
11	PFNA_2	375-95-1	3.33	462.8 / 219.0	1575158	M5	27.524	0.350	0.341	Pass	110.1
12	PFDA	335-76-2	3.75	513.1 / 469.1	4851208		28.219	0.179	0.215	Pass	112.9
13	PFDA_2	335-76-2	3.75	513.1 / 219.0	870068		26.887	0.179	0.215	Pass	107.6
14	PFUnA	2058-94-8	4.15	563.1 / 519.1	5009931		27.897	0.138	0.151	Pass	111.6
15	PFUnA_2	2058-94-8	4.15	563.1 / 269.0	693410		25.942	0.138	0.151	Pass	103.8
16	PFDoA	307-55-1	4.54	613.1 / 569.1	5794870		27.414	0.142	0.140	Pass	109.7
17	PFDoA_2	307-55-1	4.54	613.1 / 319.0	822845		27.704	0.142	0.140	Pass	110.8
18	PFTrDA	72629-94-8	4.92	663.1 / 619.1	4999404		25.978	0.166	0.159	Pass	103.9
19	PFTrDA_2	72629-94-8	4.92	663.1 / 169.0	830689		27.895	0.166	0.159	Pass	111.6
20	PFTeDA	376-06-7	5.28	713.1 / 669.1	4688221		26.033	0.163	0.159	Pass	104.1
21	PFTeDA_2	376-06-7	5.28	713.1 / 169.0	765322		26.589	0.163	0.159	Pass	106.4
22	PFBS	375-73-5	1.80	299.1 / 80.1	3264569		23.665	0.395	0.398	Pass	106.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	1.80	299.1 / 99.1	1289785		26.834	0.395	0.398	Pass	114.2
24	PFPeS	2706-91-4	2.44	349.1 / 80.1	3582380		29.008	0.311	0.285	Pass	123.4
25	PFPeS_2	2706-91-4	2.44	349.1 / 99.1	1113733		28.807	0.311	0.285	Pass	122.6
26	PFHxS	355-46-4	2.98	399.1 / 80.1	3099575	M5	26.131	0.303	0.293	Pass	114.6
27	PFHxS_2	355-46-4	2.98	399.1 / 99.1	938178		27.515	0.303	0.293	Pass	120.7
28	PFHpS	375-92-8	3.45	449.1 / 80.1	3495455		28.515	0.300	0.308	Pass	119.8
29	PFHpS_2	375-92-8	3.45	449.1 / 99.1	1047082		29.250	0.300	0.308	Pass	122.9
30	PFOS	1763-23-1	3.89	499.1 / 80.1	3576366	M5	25.148	0.252	0.241	Pass	108.4
31	PFOS_2	1763-23-1	3.89	499.1 / 99.1	903005		26.207	0.252	0.241	Pass	113.0
32	PFNS	68259-12-1	4.30	549.1 / 80.1	2868988		28.032	0.301	0.299	Pass	116.8
33	PFNS_2	68259-12-1	4.30	549.1 / 99.1	862856		28.926	0.301	0.299	Pass	120.5
34	PFDS	335-77-3	4.69	599.1 / 80.1	3029078		27.838	0.278	0.274	Pass	115.5
35	PFDS_2	335-77-3	4.69	599.1 / 99.1	842340		27.098	0.278	0.274	Pass	112.4
36	PFDoS	79780-39-5	5.43	699.2 / 80.1	2676910		28.271	0.255	0.247	Pass	116.8
37	PFDoS_2	79780-39-5	5.43	699.2 / 99.1	682323		28.100	0.255	0.247	Pass	116.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	1.61	327.1 / 307.1	3026176		96.519	0.657	0.634	Pass	103.0
39	4:2FTS_2	757124-72-4	1.61	327.1 / 81.1	1988721		100.356	0.657	0.634	Pass	107.1
40	6:2FTS	27619-97-2	2.70	427.2 / 407.2	2780145		97.145	0.620	0.609	Pass	102.2
41	6:2FTS_2	27619-97-2	2.70	427.2 / 81.1	1722560		96.890	0.620	0.609	Pass	101.9
42	8:2FTS	39108-34-4	3.57	527.2 / 507.2	2658057		98.486	0.658	0.681	Pass	102.6
43	8:2FTS_2	39108-34-4	3.57	527.2 / 81.1	1750295		100.072	0.658	0.681	Pass	104.2
44	PFOSA	754-91-6	5.17	498.1 / 78.1	5159862	M5	27.073	0.025	0.024	Pass	108.3
45	PFOSA_2	754-91-6	5.17	498.1 / 478.0	130203	M5	27.679	0.025	0.024	Pass	110.7
46	NMeFOSA	31506-32-8	5.92	512.2 / 219.0	1172991	M5	26.844	1.412	1.421	Pass	107.4
47	NMeFOSA_2	31506-32-8	5.87	512.2 / 169.0	1656689	M5	26.349	1.412	1.421	Pass	105.4
48	NEtFOSA	4151-50-2	6.21	526.2 / 219.0	1099805		27.151	1.280	1.258	Pass	108.6
49	NEtFOSA_2	4151-50-2	6.18	526.2 / 169.0	1408051		26.896	1.280	1.258	Pass	107.6
50	NMeFOSAA	2355-31-9	3.88	570.2 / 419.1	544909		27.362	0.707	0.683	Pass	109.5
51	NMeFOSAA_2	2355-31-9	3.88	570.2 / 483.0	385371	M5	27.629	0.707	0.683	Pass	110.5
52	NEtFOSAA	2991-50-6	4.10	584.2 / 419.1	621379	M5	26.984	0.570	0.571	Pass	107.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.09	584.2 / 526.2	354132	M5	26.470	0.570	0.571	Pass	105.9
54	NMeFOSE	24448-09-7	5.78	616.1 / 58.9	14889079	M5	273.875	N/A	N/A	N/A	109.6
55	NEtFOSE	1691-99-2	6.08	630.0 / 58.9	20264011	M5	271.994	N/A	N/A	N/A	108.8
56	HFPO-DA	13252-13-6	2.02	285.0 / 169.0	12611640		107.902	0.518	0.510	Pass	107.9
57	HFPO-DA_2	13252-13-6	2.02	285.0 / 184.9	6535188		104.258	0.518	0.510	Pass	104.3
58	ADONA	919005-14-4	2.57	376.9 / 251.0	21214625		102.711	0.761	0.636	Pass	108.7
59	ADONA_2	919005-14-4	2.57	376.9 / 84.8	16148743		102.818	0.761	0.636	Pass	108.8
60	9Cl-PF3ONS	756426-58-1	4.17	530.8 / 351.1	26878087		104.963	0.326	0.326	Pass	112.5
61	9Cl-PF3ONS_2	756426-58-1	4.17	532.8 / 353.0	8763326		102.374	0.326	0.326	Pass	109.7
62	11Cl-PF3OUdS	763051-92-9	4.96	630.9 / 451.0	23450162		103.393	0.321	0.318	Pass	109.6
63	11Cl-PF3OUdS_2	763051-92-9	4.96	632.9 / 452.9	7533841		103.724	0.321	0.318	Pass	110.0
64	3:3FTCA	356-02-5	1.44	241.1 / 177.1	1213842		146.753	1.032	1.068	Pass	117.4
65	3:3FTCA_2	356-02-5	1.44	241.1 / 117.0	1252614		141.292	1.032	1.068	Pass	113.0
66	5:3FTCA	914637-49-3	2.93	341.1 / 237.1	25317020		665.283	1.053	1.045	Pass	106.5
67	5:3FTCA_2	914637-49-3	2.93	341.1 / 217.0	26661402		685.213	1.053	1.045	Pass	109.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	3.97	441.1 / 316.9	24088711		727.152	1.229	1.285	Pass	116.3
69	7:3FTCA_2	812-70-4	3.96	441.1 / 337.1	29596291		688.831	1.229	1.285	Pass	110.2
70	PFEESA	113507-82-7	2.11	315.1 / 135.0	19978530		47.851	0.080	0.081	Pass	107.3
71	PFEESA_2	113507-82-7	2.11	315.1 / 82.9	1594514		47.056	0.080	0.081	Pass	105.5
72	PFMPA	377-73-1	0.70	229.0 / 85.0	6528040		56.853	N/A	N/A	N/A	113.7
73	PFMBA	863090-89-5	1.33	279.0 / 85.0	7277500		55.759	N/A	N/A	N/A	111.5
74	NFDHA	151772-58-6	1.74	295.0 / 201.0	4869449		55.517	0.705	0.681	Pass	111.0
75	NFDHA_2	151772-58-6	1.74	295.0 / 84.9	3433414		54.352	0.705	0.681	Pass	108.7
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	5.357	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	5.357	N/A	N/A
78	13C2D4-4:2FTS	Surr	1.60	333.2 / 312.1	102499		4.807	N/A	N/A	N/A	96.1
79	13C2-PFOA	Surr	2.88	415.0 / 370.0	330806		2.624	N/A	N/A	N/A	105.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.55	217.0 / 172.0	1297472		9.411	NA	NA	NA	94.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.07	268.0 / 223.0	585696		4.861	NA	NA	NA	97.2
	13C5-PFHxA	EIS	1.81	318.0 / 273.0	316422		2.489	NA	NA	NA	99.6
	13C4-PFHpA	EIS	2.39	367.0 / 322.0	261530		2.465	NA	NA	NA	98.6
	13C8-PFOA	EIS	2.88	420.8 / 376.0	555027		2.499	NA	NA	NA	100.0
	13C9-PFNA	EIS	3.32	472.0 / 427.0	233971		1.202	NA	NA	NA	96.2
	13C6-PFDA	EIS	3.74	519.0 / 474.0	253746		1.207	NA	NA	NA	96.5
	13C7-PFUnA	EIS	4.15	570.0 / 525.0	275929		1.182	NA	NA	NA	94.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.54	615.1 / 570.0	300898		1.206	NA	NA	NA	96.5
	13C2-PFTeDA	EIS	5.28	715.1 / 670.1	228022		1.232	NA	NA	NA	98.5
	13C3-PFBS	EIS	1.80	302.1 / 80.1	321003		2.165	NA	NA	NA	92.9
	13C3-PFHxS	EIS	2.97	402.1 / 80.1	273390		2.081	NA	NA	NA	87.8
	13C8-PFOS	EIS	3.88	507.1 / 80.1	322937		2.170	NA	NA	NA	90.4
	13C2-4:2FTS	EIS	1.60	329.1 / 81.1	93556		4.542	NA	NA	NA	96.8
	13C2-6:2FTS	EIS	2.69	429.2 / 81.1	87128		4.765	NA	NA	NA	100.1
	13C2-8:2FTS	EIS	3.56	529.2 / 81.1	103716		4.793	NA	NA	NA	99.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	5.17	506.1 / 78.1	606348		2.400	NA	NA	NA	96.0
	d3-NMeFOSA	EIS	5.91	515.2 / 219.0	101251		2.448	NA	NA	NA	97.9
	d5-NEtFOSA	EIS	6.20	531.2 / 219.0	91004		2.424	NA	NA	NA	97.0
	d3-NMeFOSAA	EIS	3.88	573.2 / 419.1	125532		4.887	NA	NA	NA	97.7
	d5-NEtFOSAA	EIS	4.09	589.3 / 419.1	122090		4.823	NA	NA	NA	96.5
	d7-NMeFOSE	EIS	5.76	623.2 / 58.9	630465		23.528	NA	NA	NA	94.1
	d9-NEtFOSE	EIS	6.06	639.2 / 58.9	863522		23.949	NA	NA	NA	95.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.02	287.0 / 169.0	1225814		9.873	NA	NA	NA	98.7
	13C3-PFBA	NIS	0.55	216.0 / 172.0	601022		4.740	NA	NA	NA	94.8
	13C2-PFHxA	NIS	1.81	315.0 / 270.0	352712		2.368	NA	NA	NA	94.7
	13C4-PFOA	NIS	2.88	417.0 / 372.0	354150		2.457	NA	NA	NA	98.3
	13C5-PFNA	NIS	3.32	468.0 / 423.0	242259		1.186	NA	NA	NA	94.9
	13C2-PFDA	NIS	3.74	515.1 / 470.1	249633		1.184	NA	NA	NA	94.7
	18O2-PFHxS	NIS	2.97	403.1 / 84.1	274267		2.351	NA	NA	NA	99.2
	13C4-PFOS	NIS	3.88	503.1 / 80.1	296362		2.361	NA	NA	NA	98.4

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec

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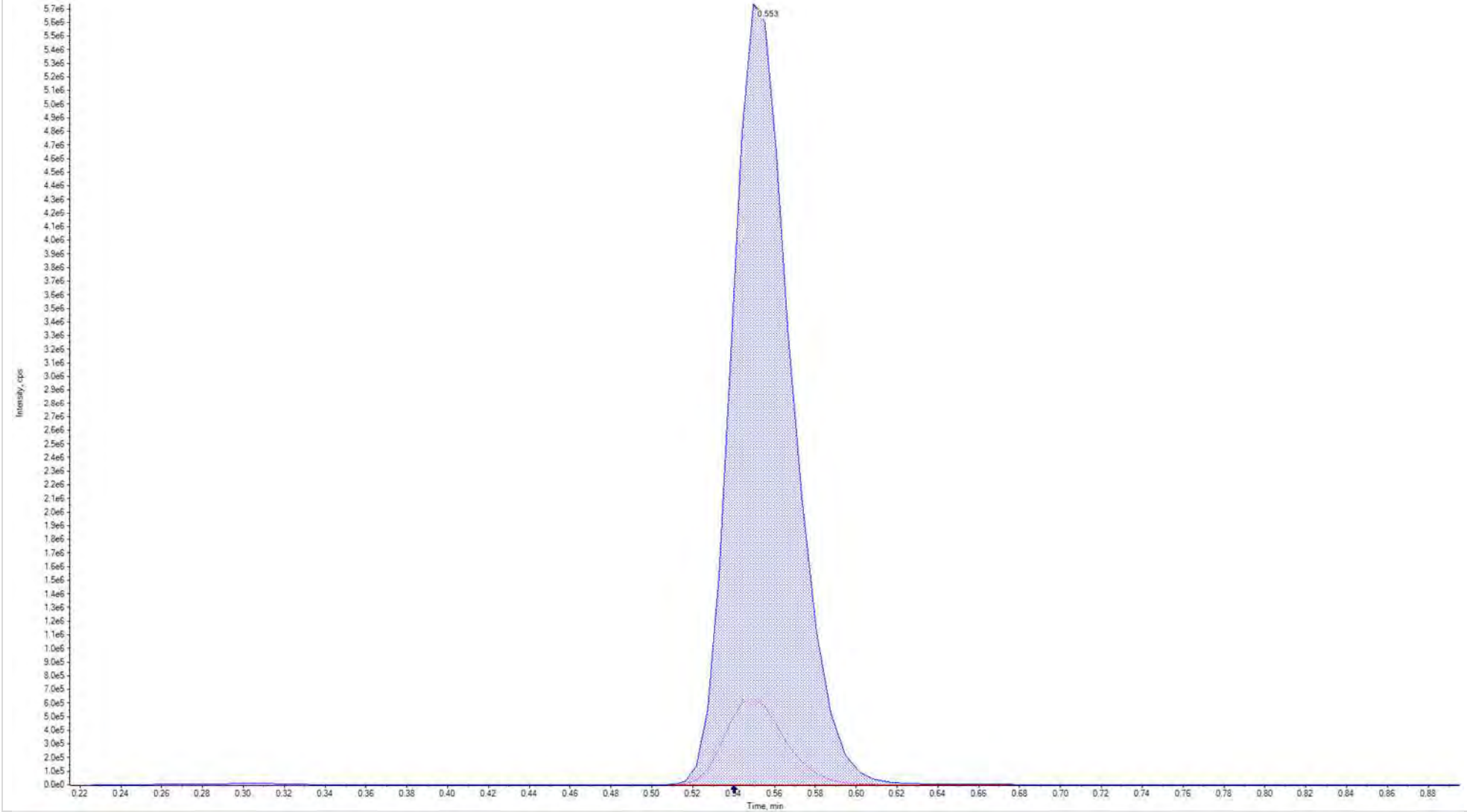
PFBA
Sample: IA1633STD-25 S/N:4796.4 Points Across peak:33



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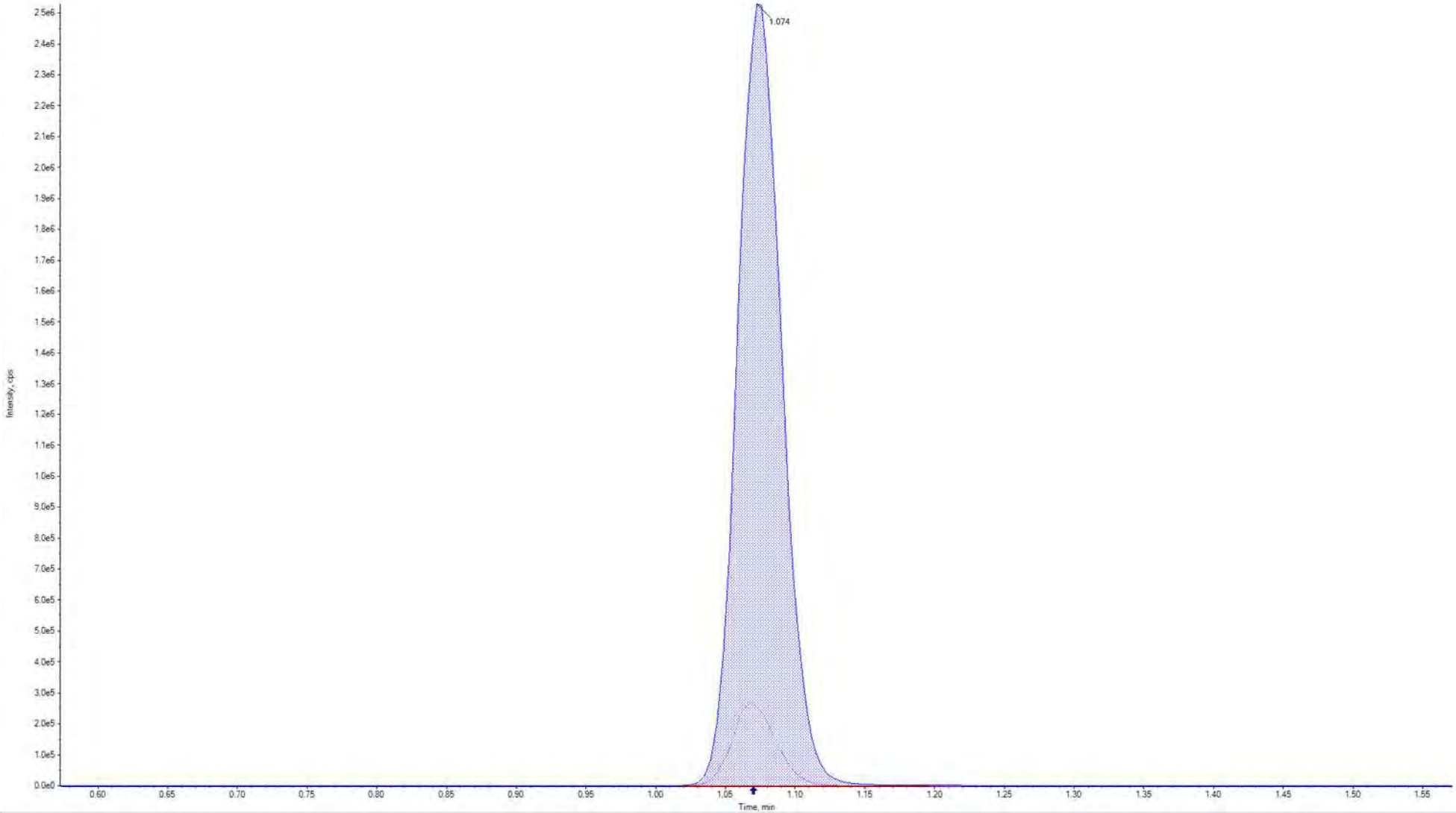
PFPeA
Sample: IA1633STD-25 S/N:8837.6 Points Across peak:52



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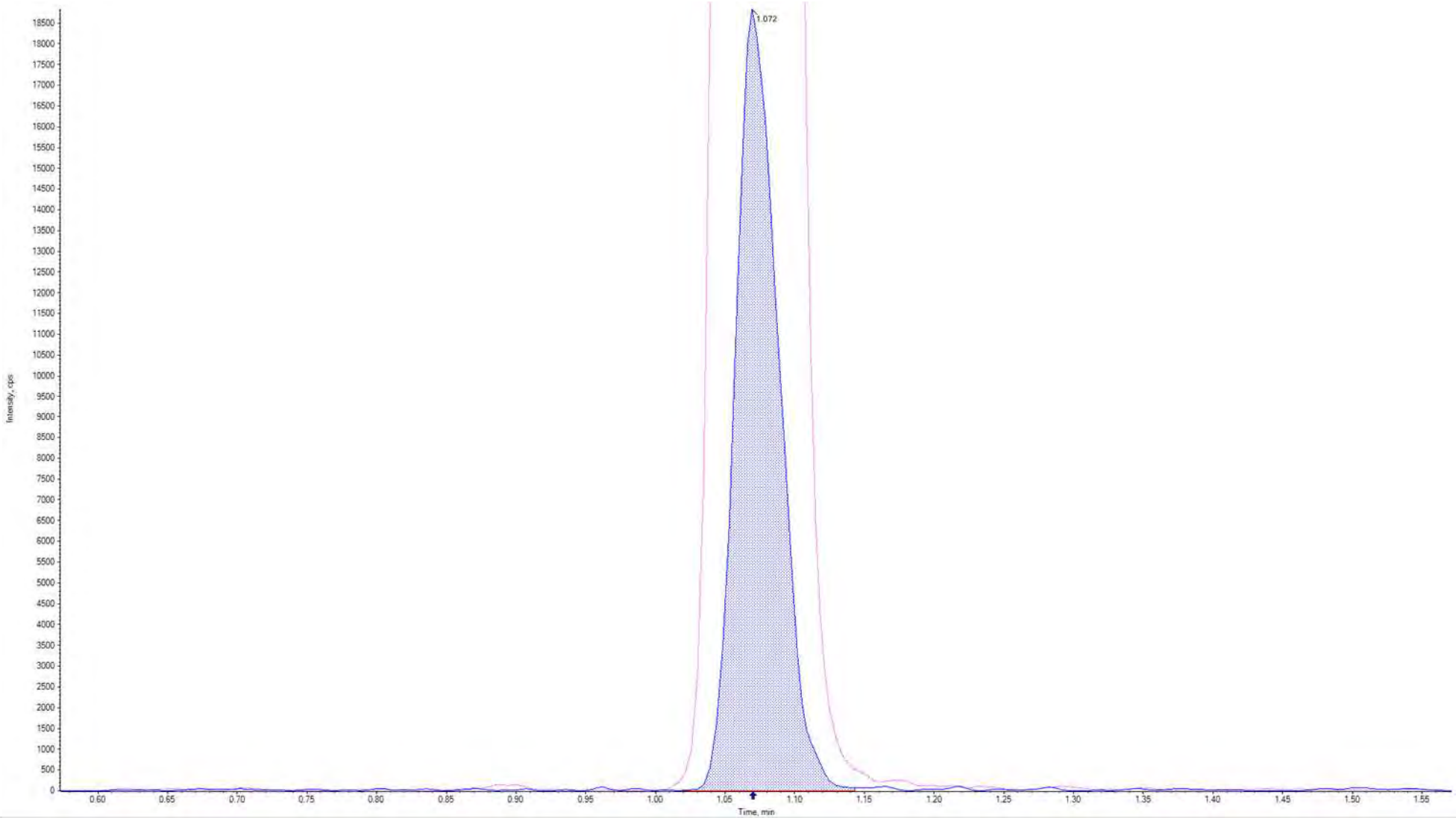
PFPeA_2
Sample: IA1633STD-25 S/N:1132.8 Points Across peak:35



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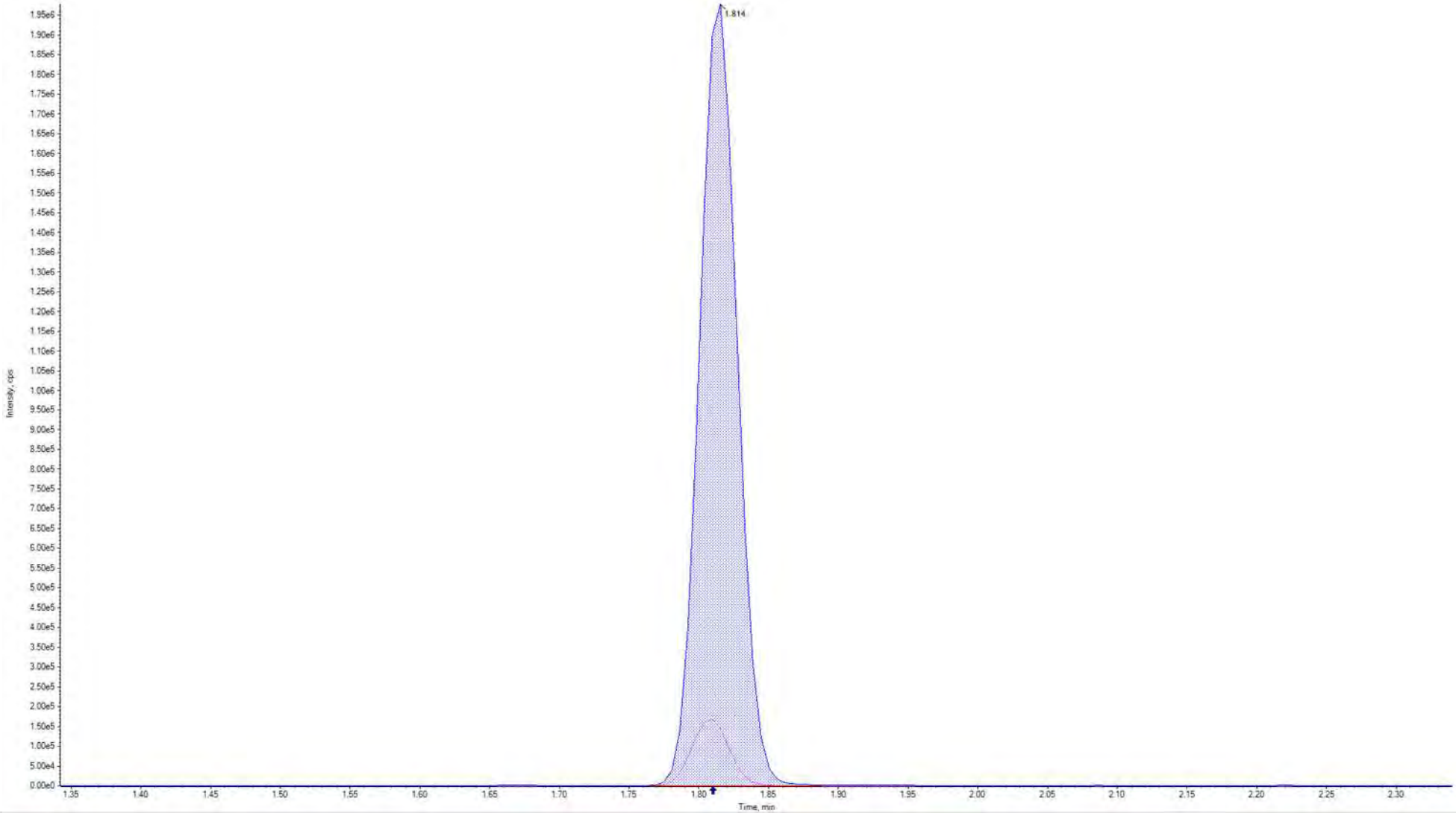
PFHxA
Sample: IA1633STD-25 S/N:13139.1 Points Across peak:29



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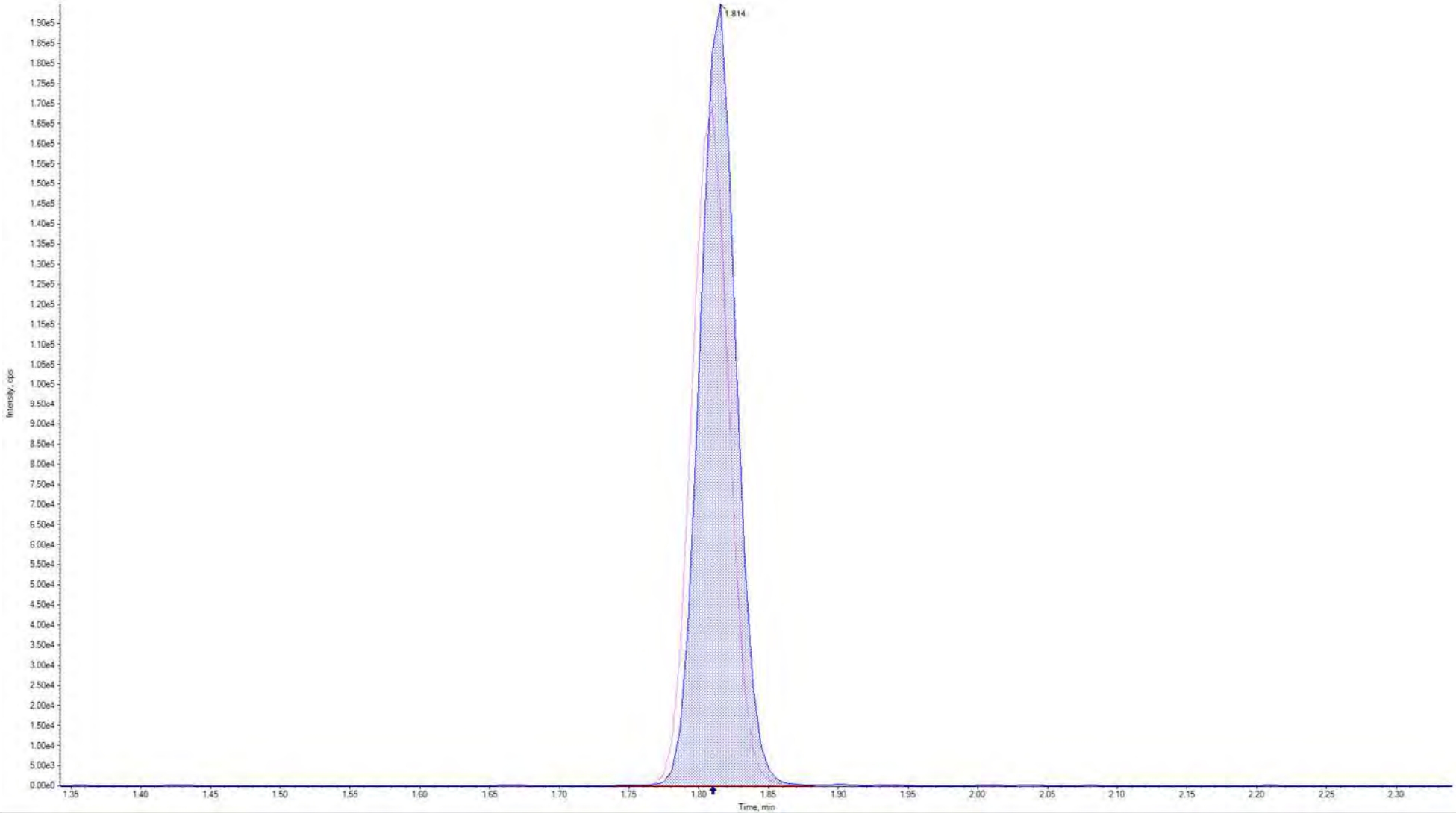
PFHxA_2
Sample: IA1633STD-25 S/N:4883.6 Points Across peak:31



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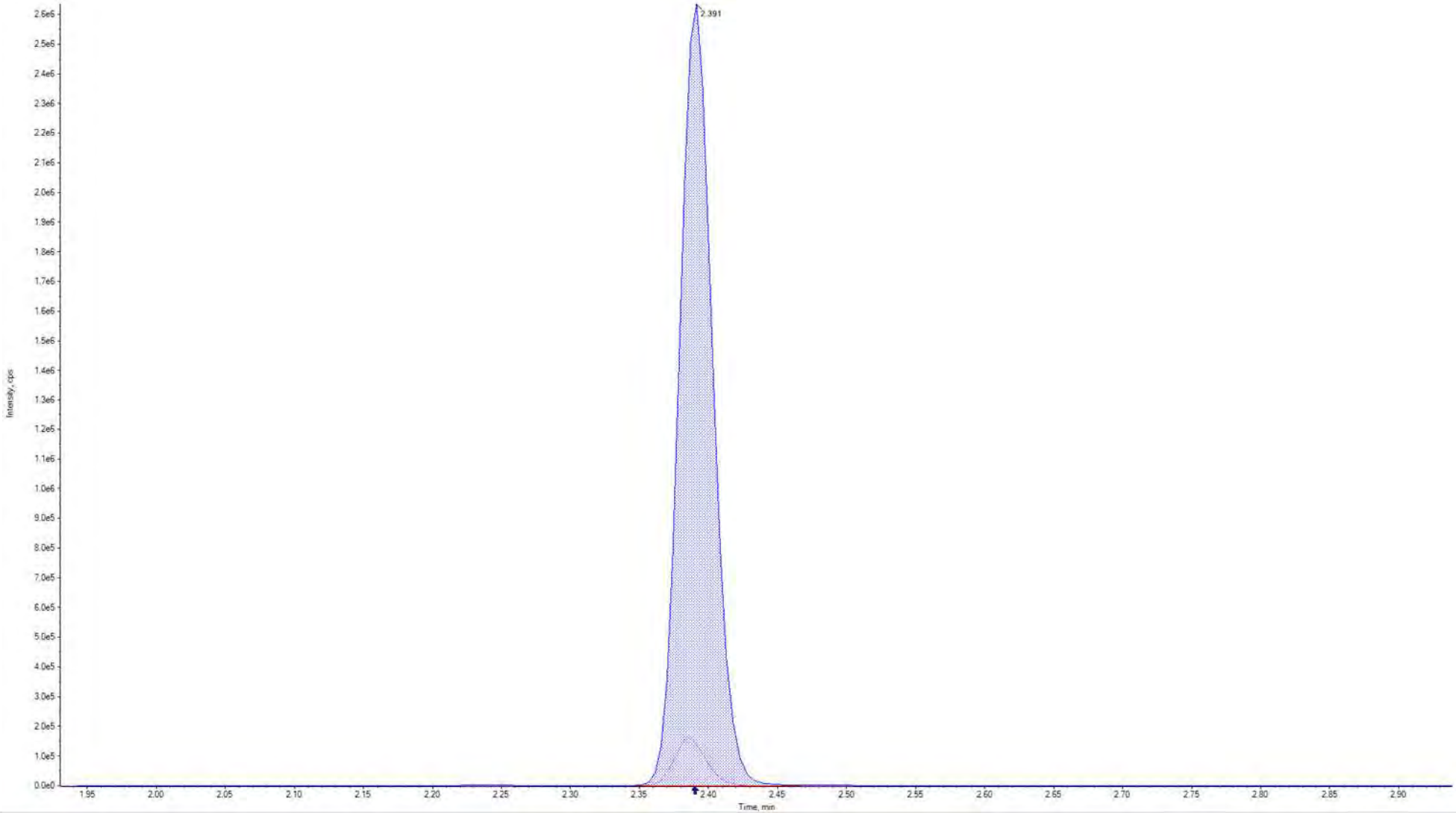
PFHpA
Sample: IA1633STD-25 S/N:19199.9 Points Across peak:35



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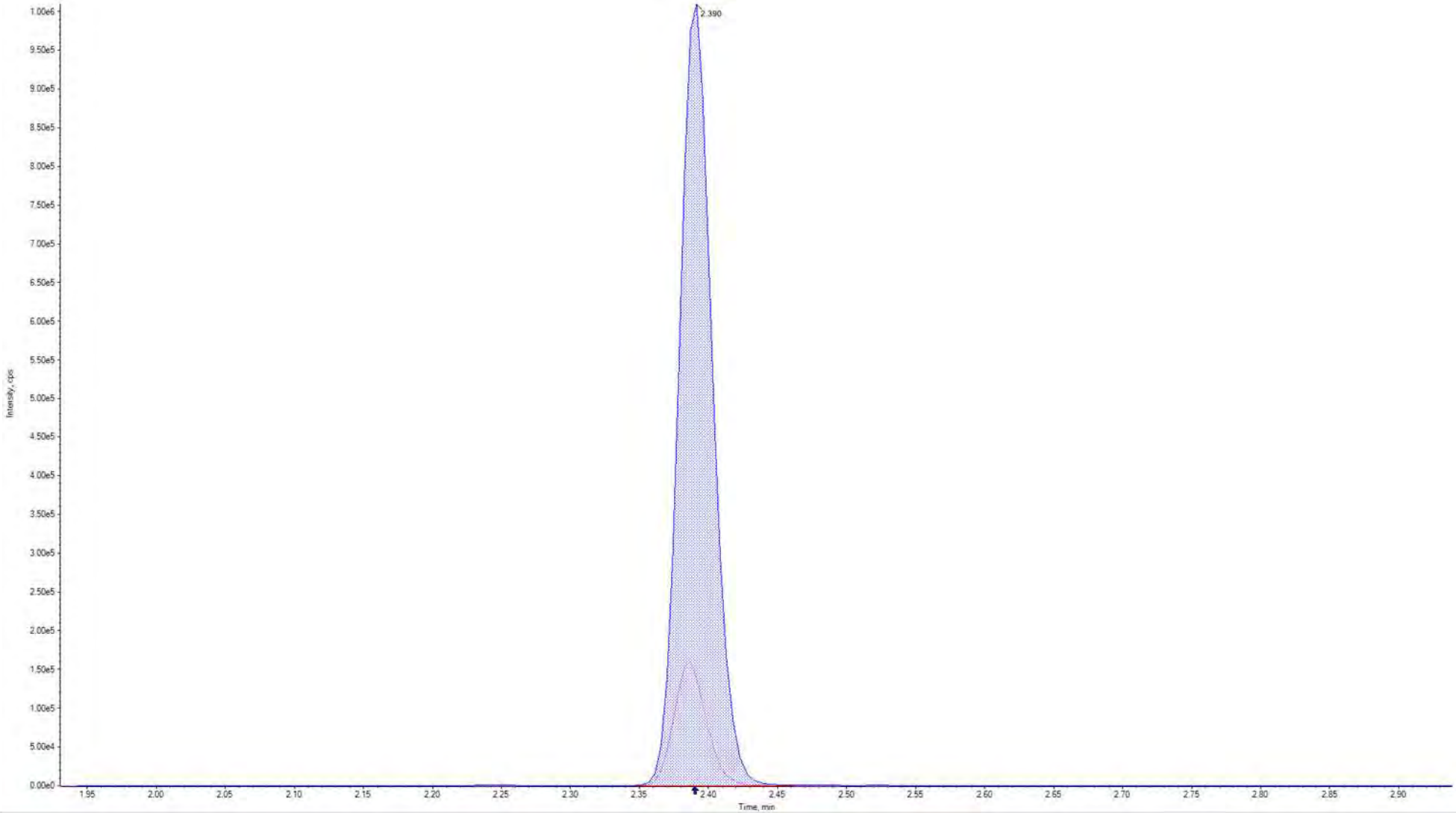
PFHpA_2
Sample: IA1633STD-25 S/N:20248.2 Points Across peak:27



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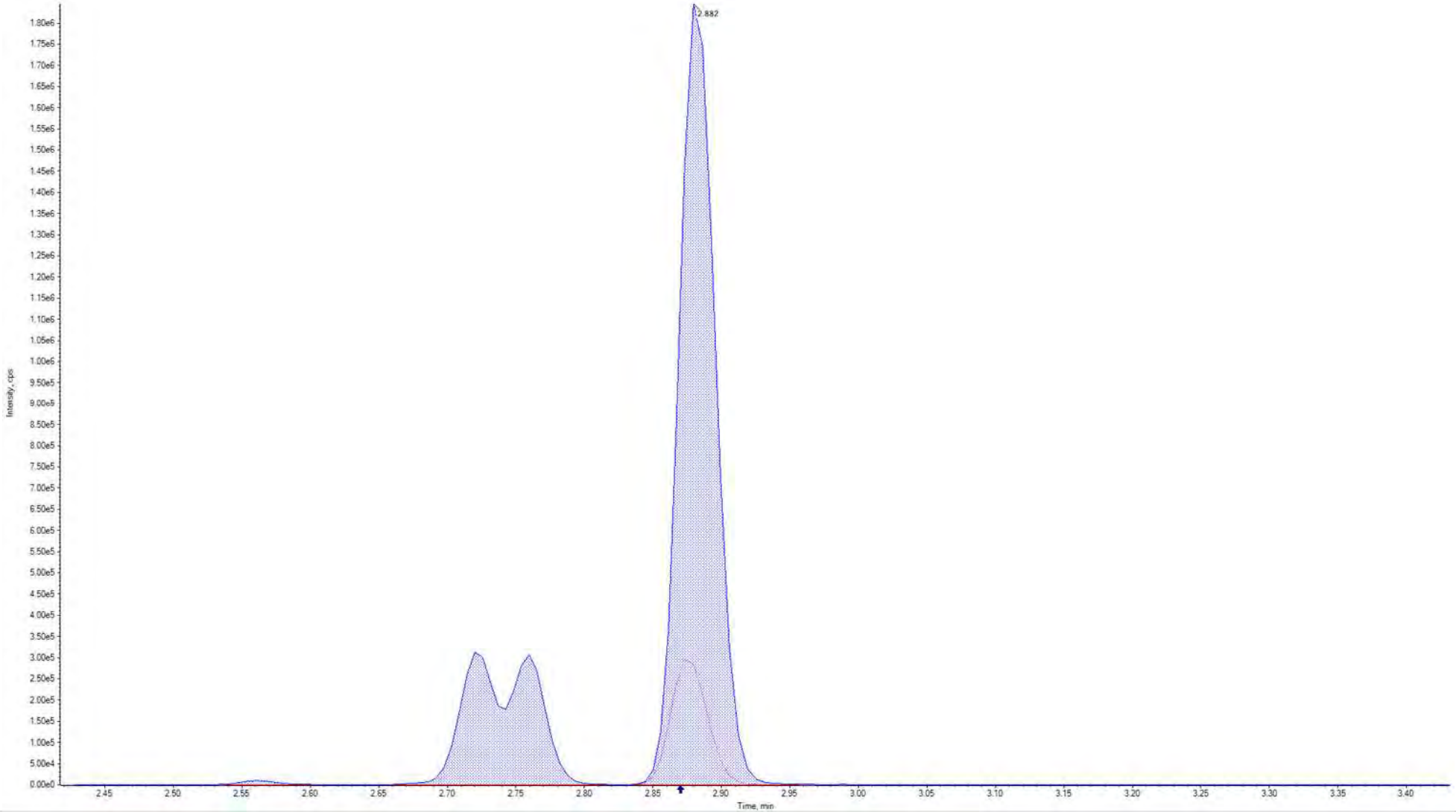
PFOA
Sample: IA1633STD-25 S/N:1056.6 Points Across peak:73



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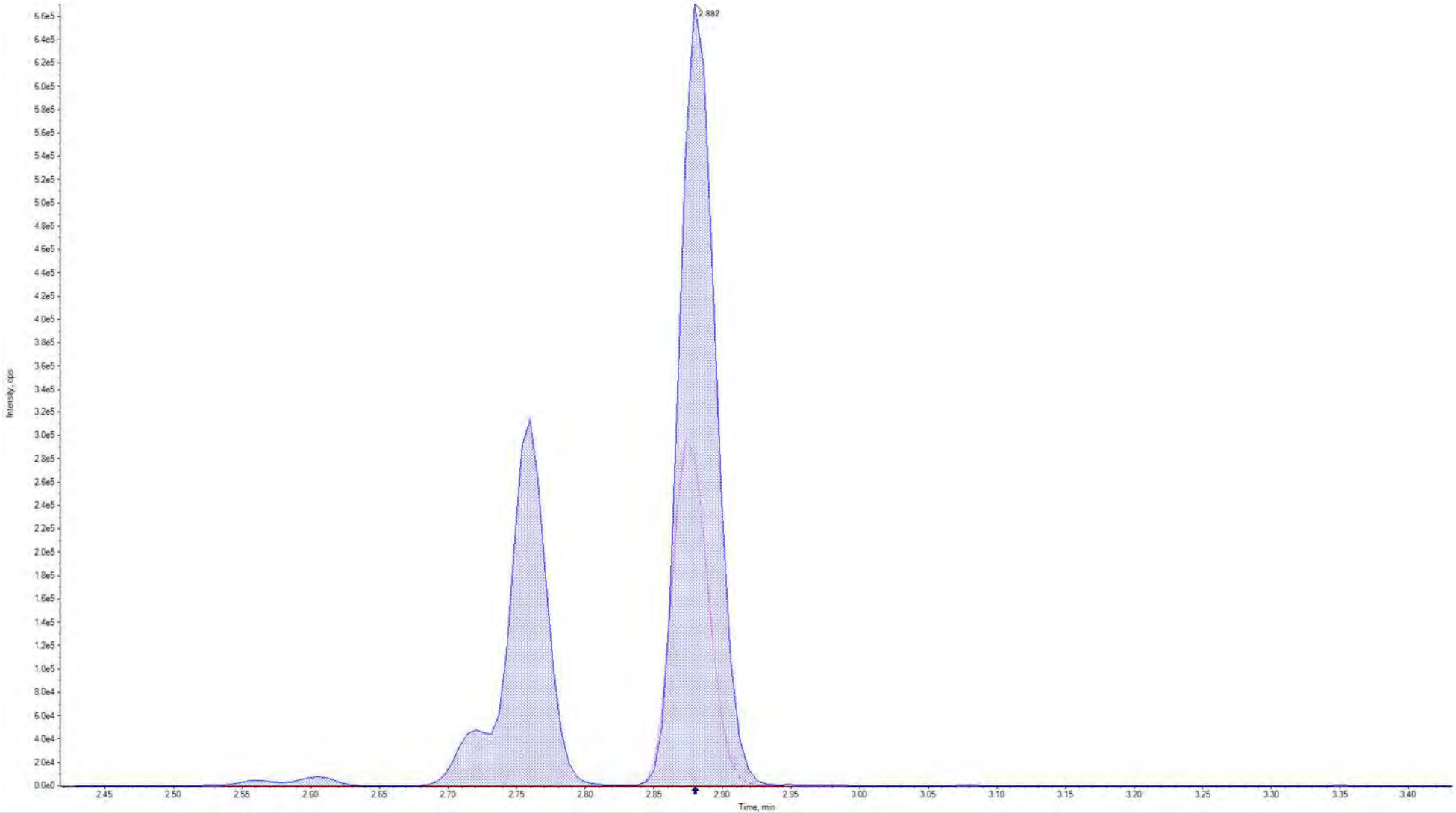
PFOA_2
Sample: IA1633STD-25 S/N:685.4 Points Across peak:71



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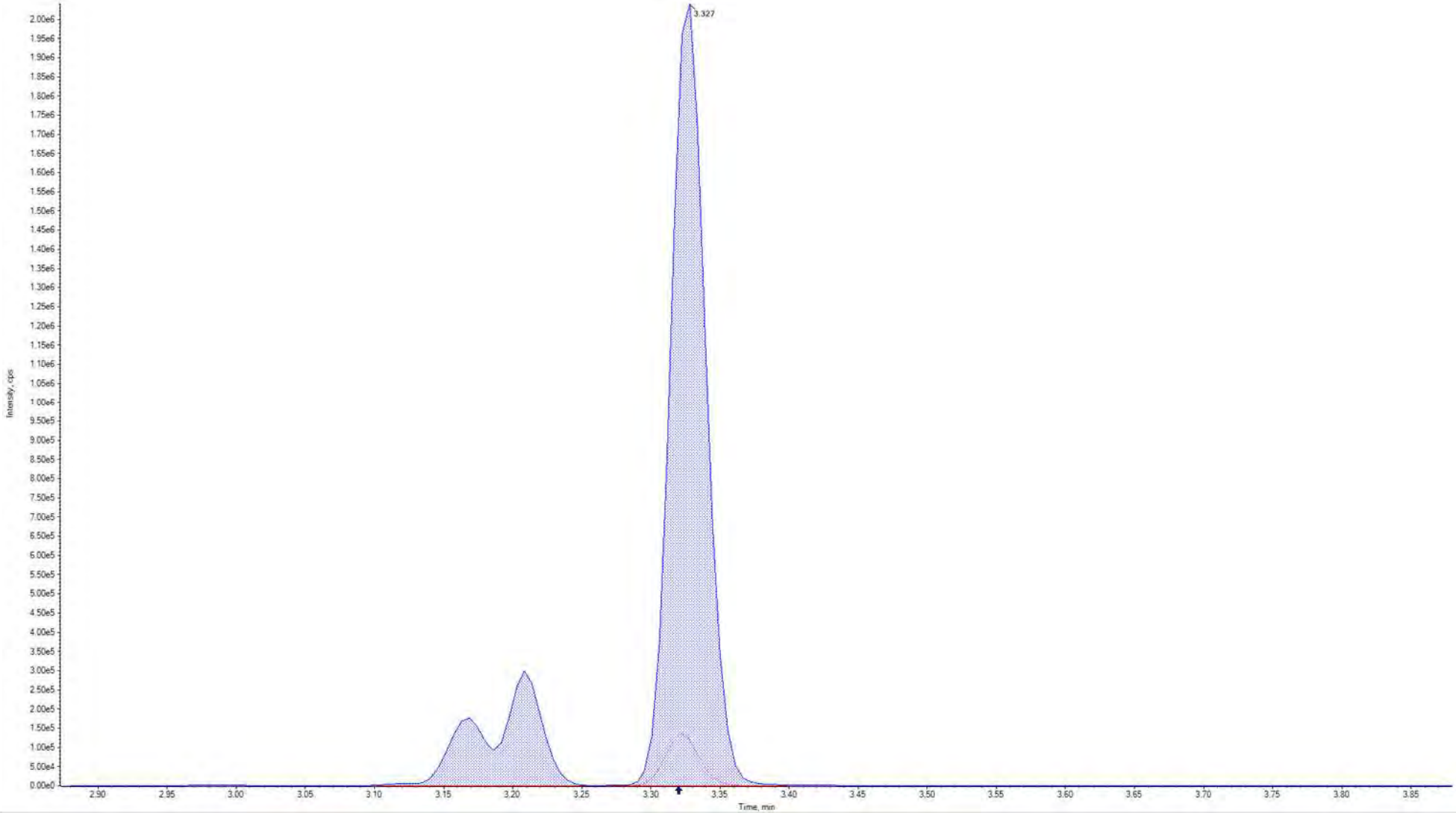
PFNA
Sample: IA1633STD-25 S/N:1060.9 Points Across peak:57



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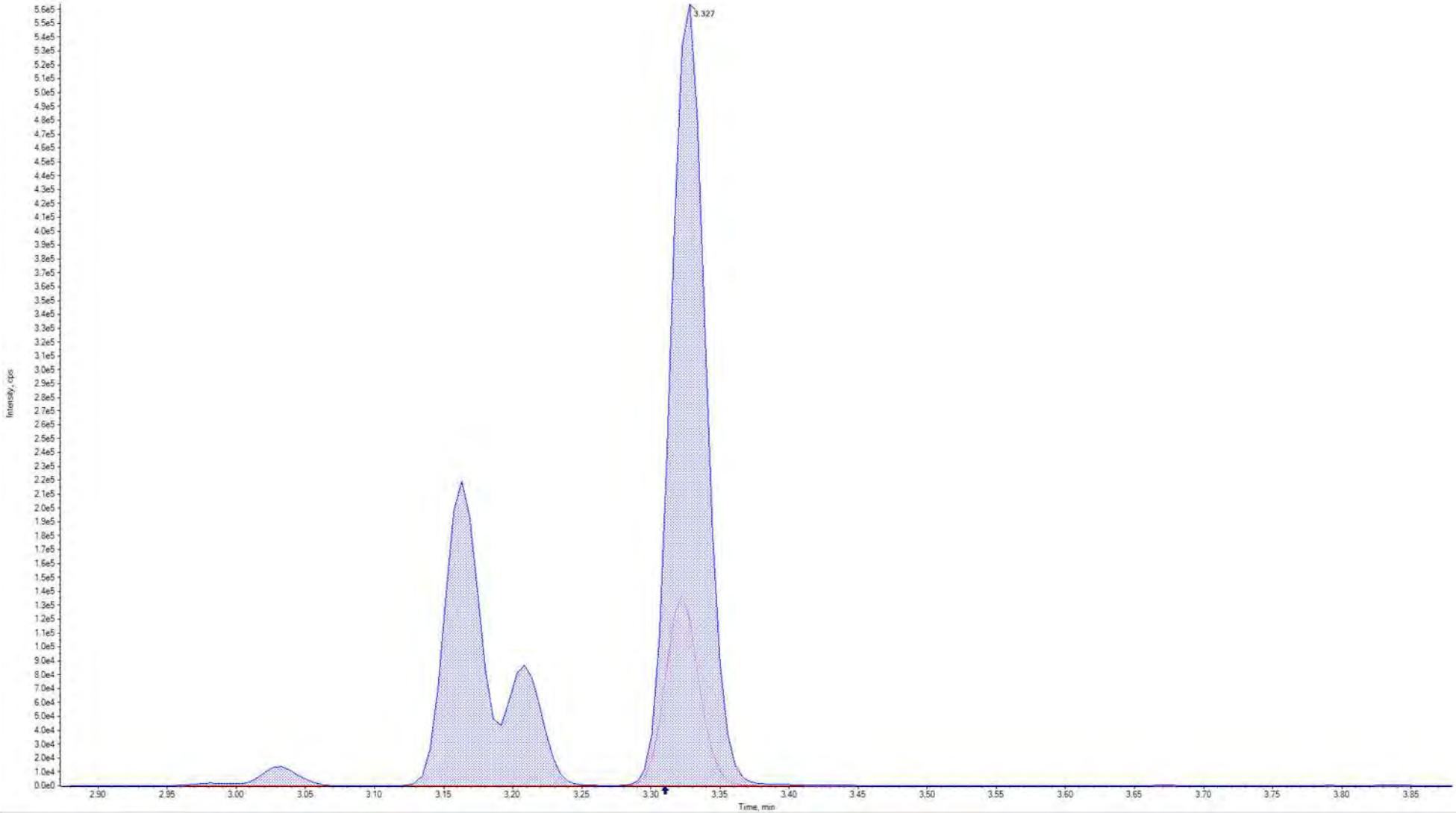
PFNA_2
Sample: IA1633STD-25 S/N:533.5 Points Across peak:82



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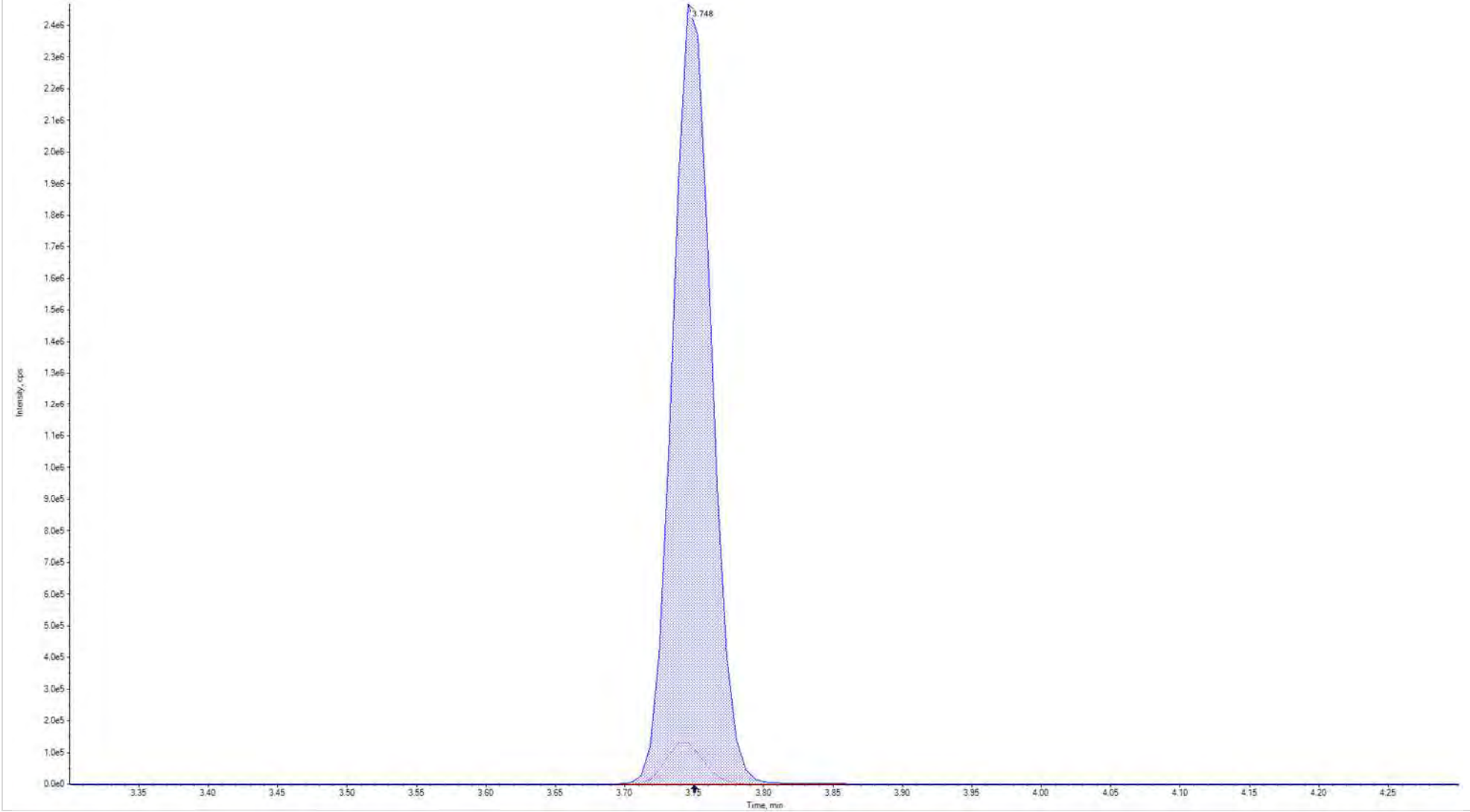
PFDA
Sample: IA1633STD-25 S/N:32211.6 Points Across peak:39



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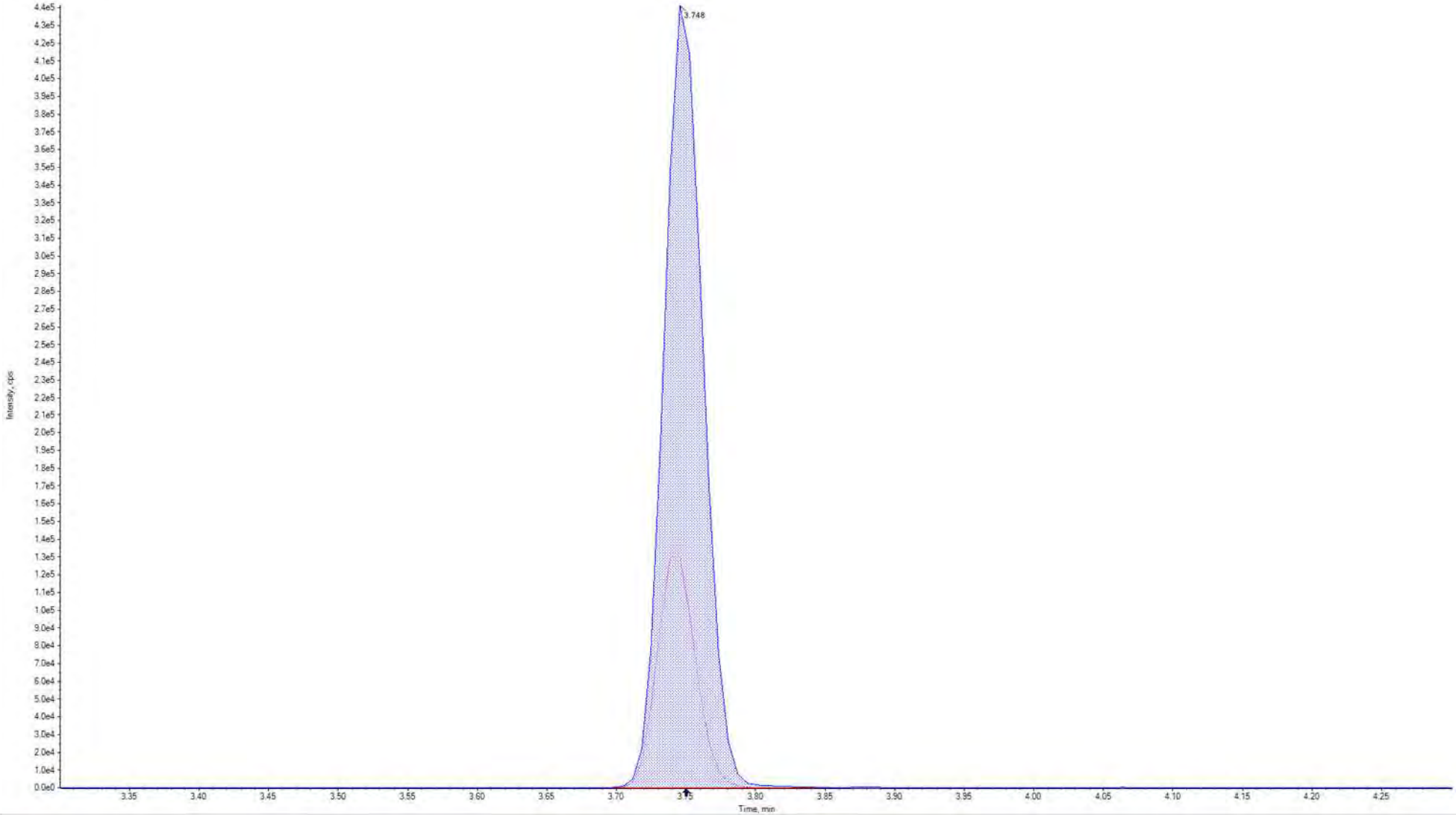
PFDA_2
Sample: IA1633STD-25 S/N:4617.0 Points Across peak:27



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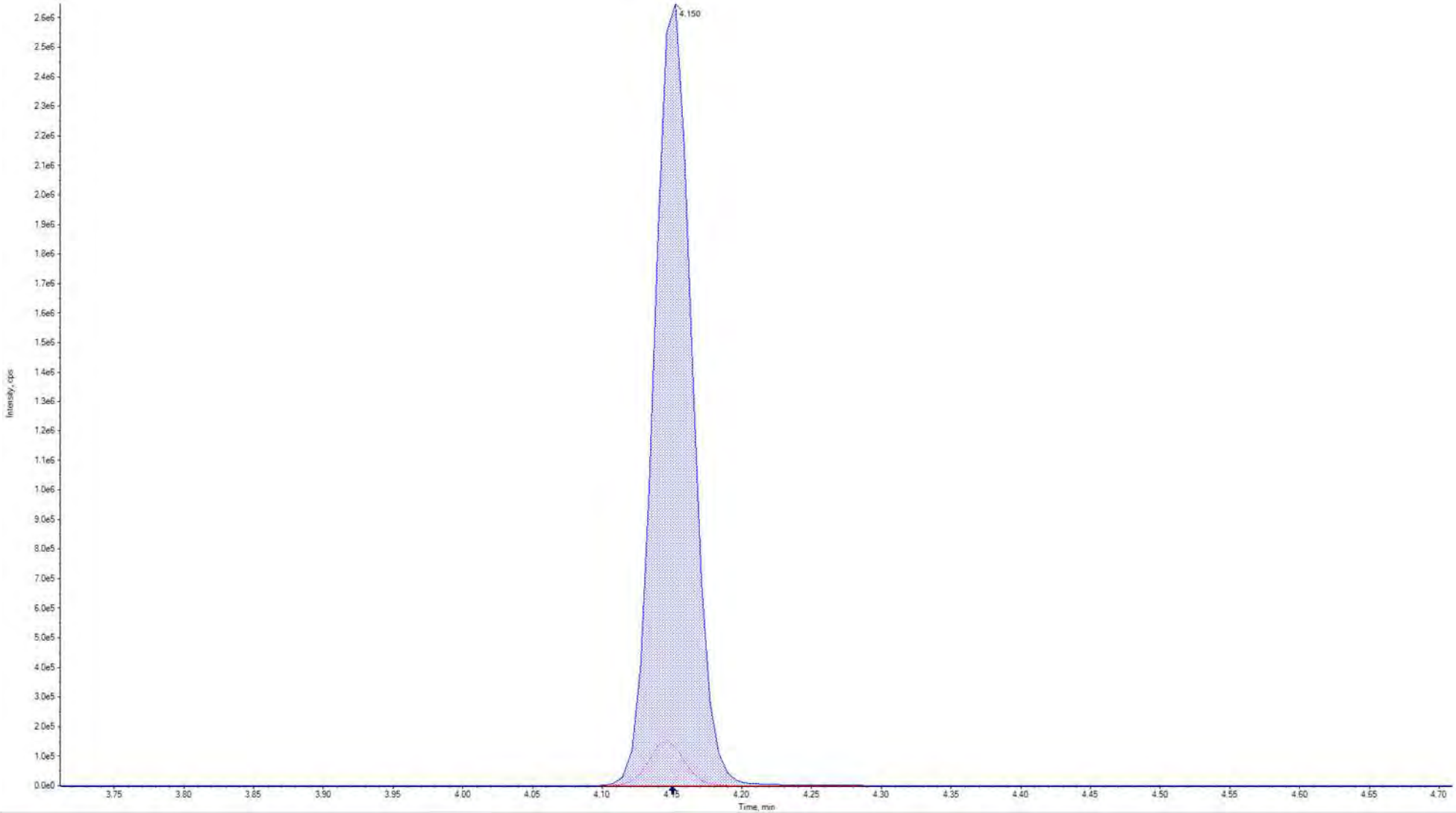
PFUnA
Sample: IA1633STD-25 S/N:15908.5 Points Across peak:36



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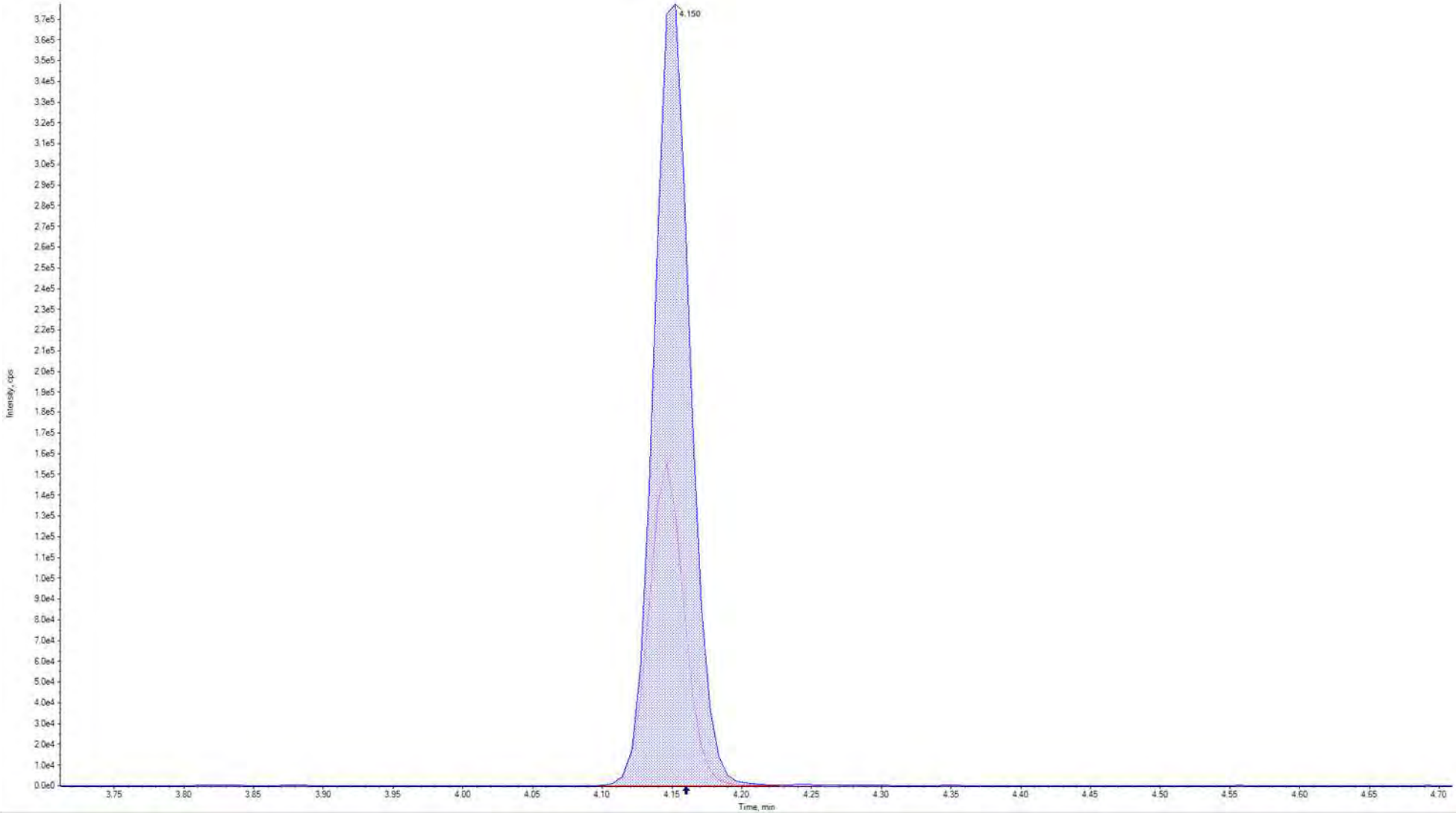
PFUnA_2
Sample: IA1633STD-25 S/N:3256.6 Points Across peak:23



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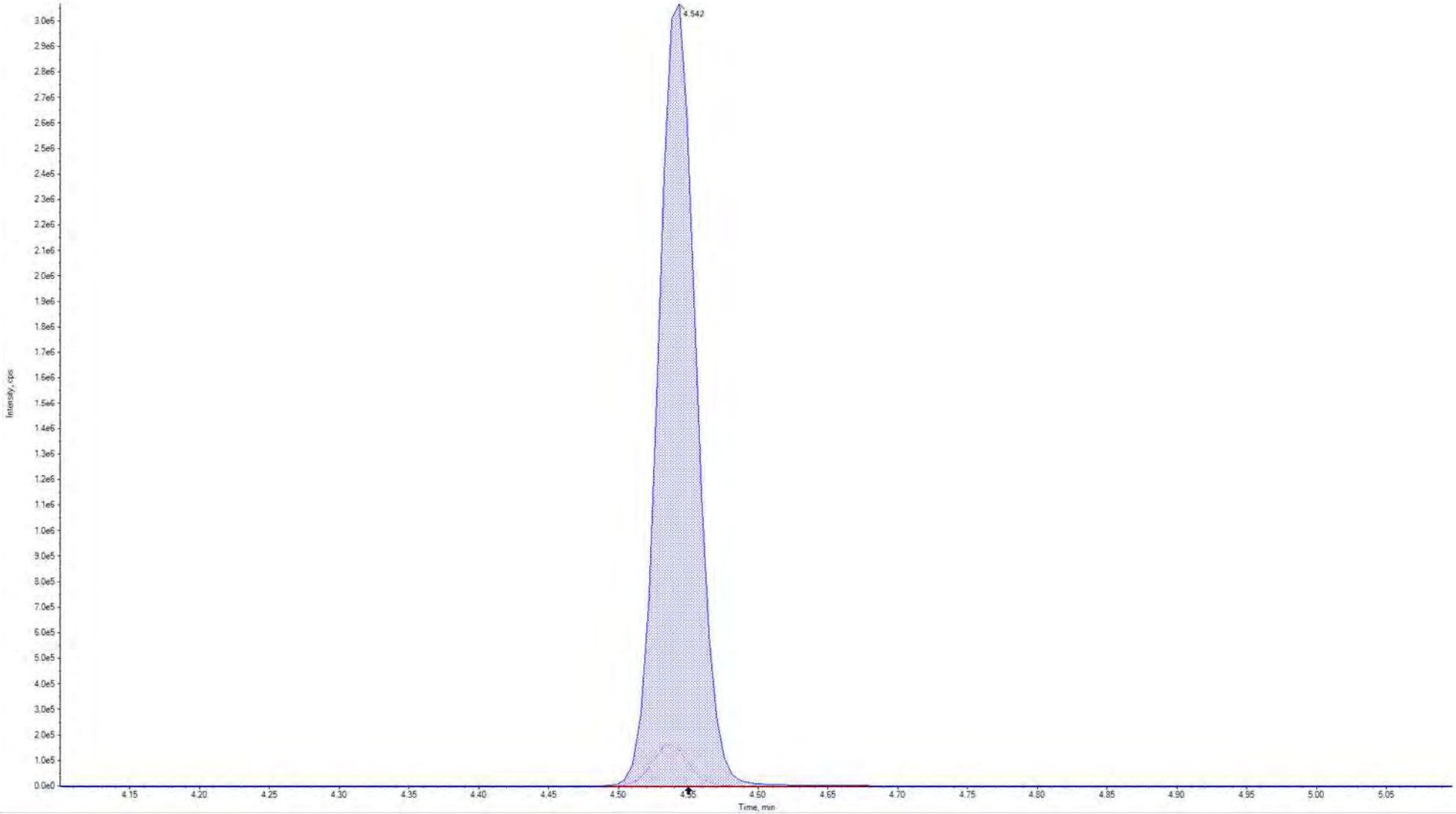
PFDoA
Sample: IA1633STD-25 S/N:18715.4 Points Across peak:44



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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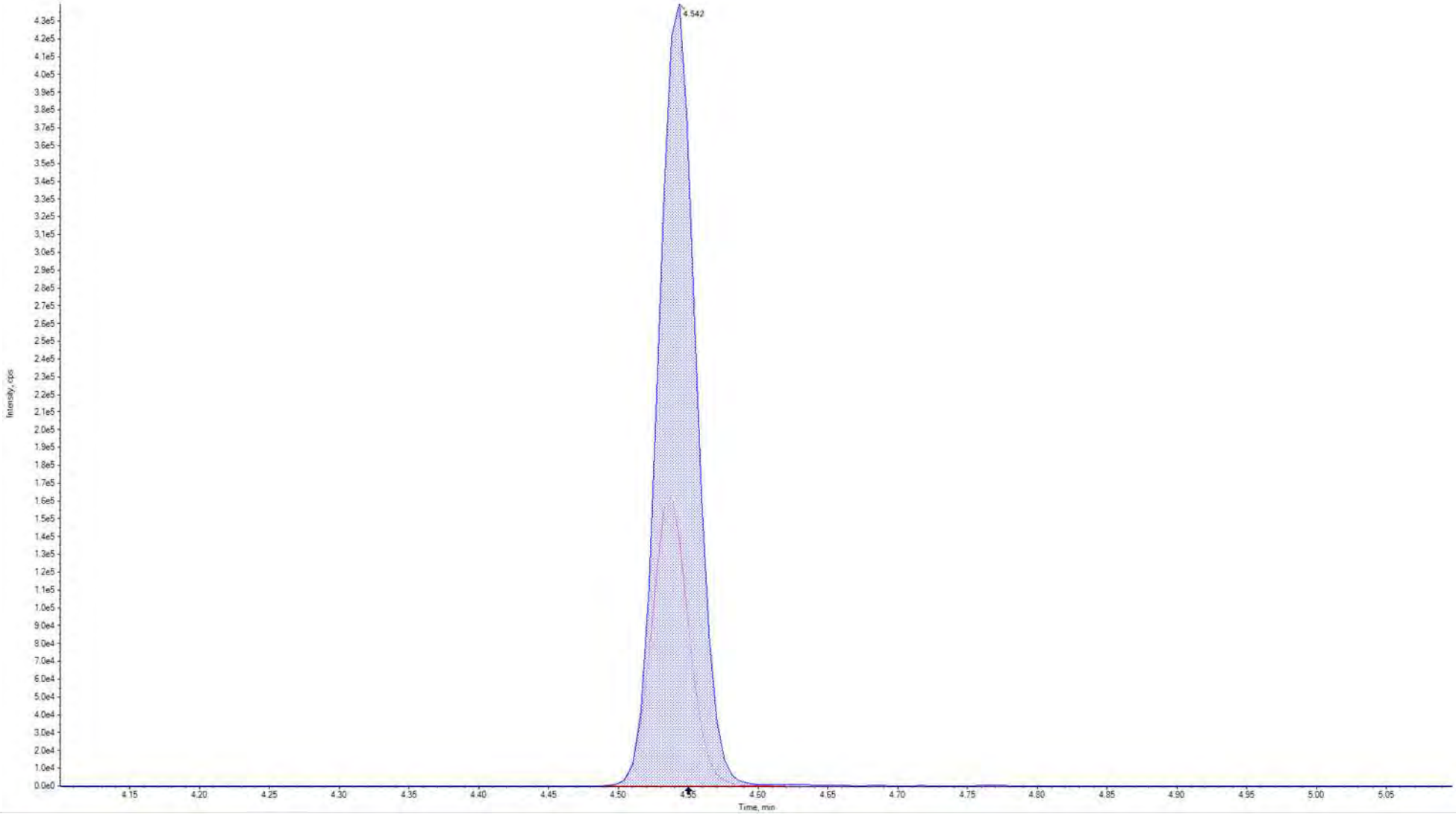
PFDoA_2
Sample: IA1633STD-25 S/N:4815.7 Points Across peak:28



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Alpha Analytical LLC
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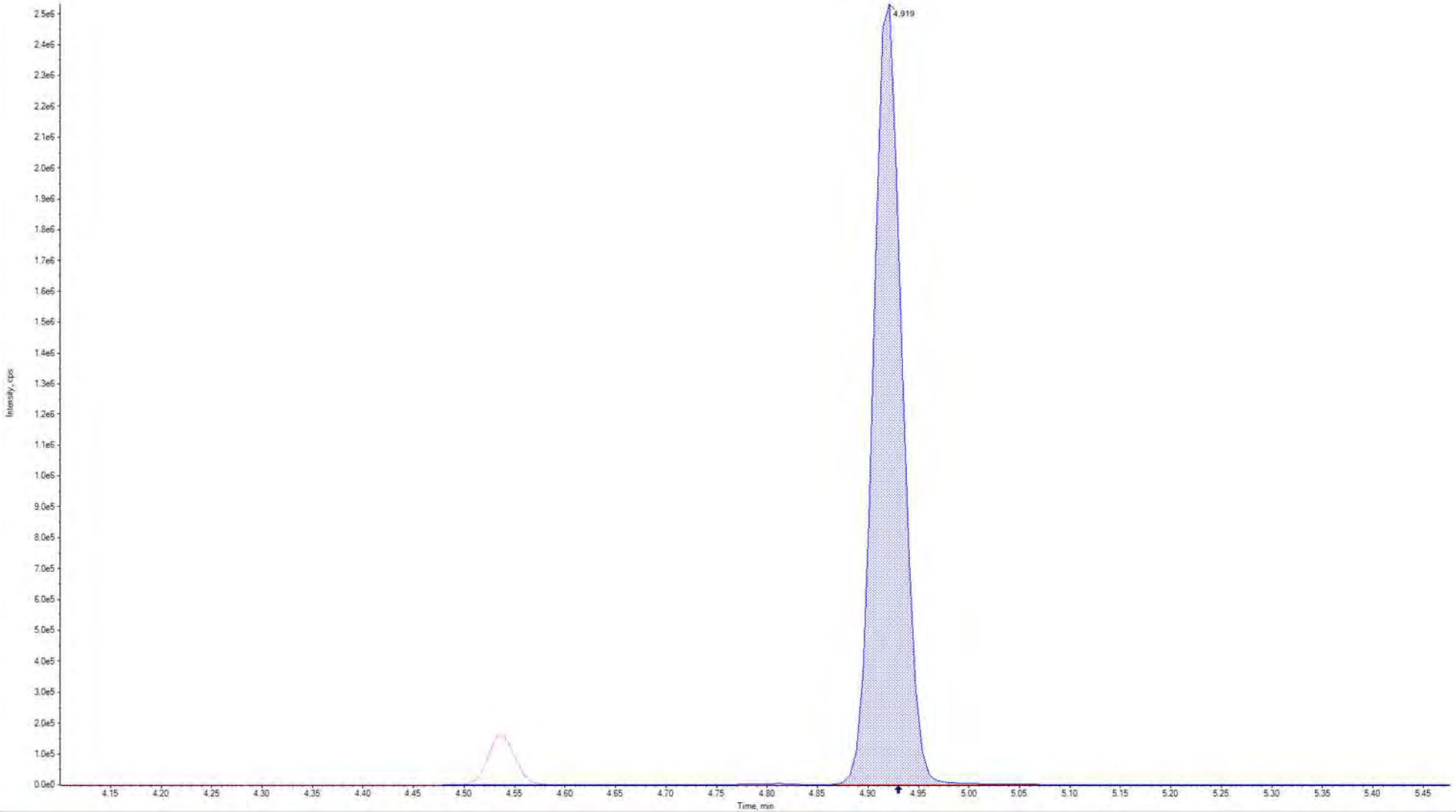
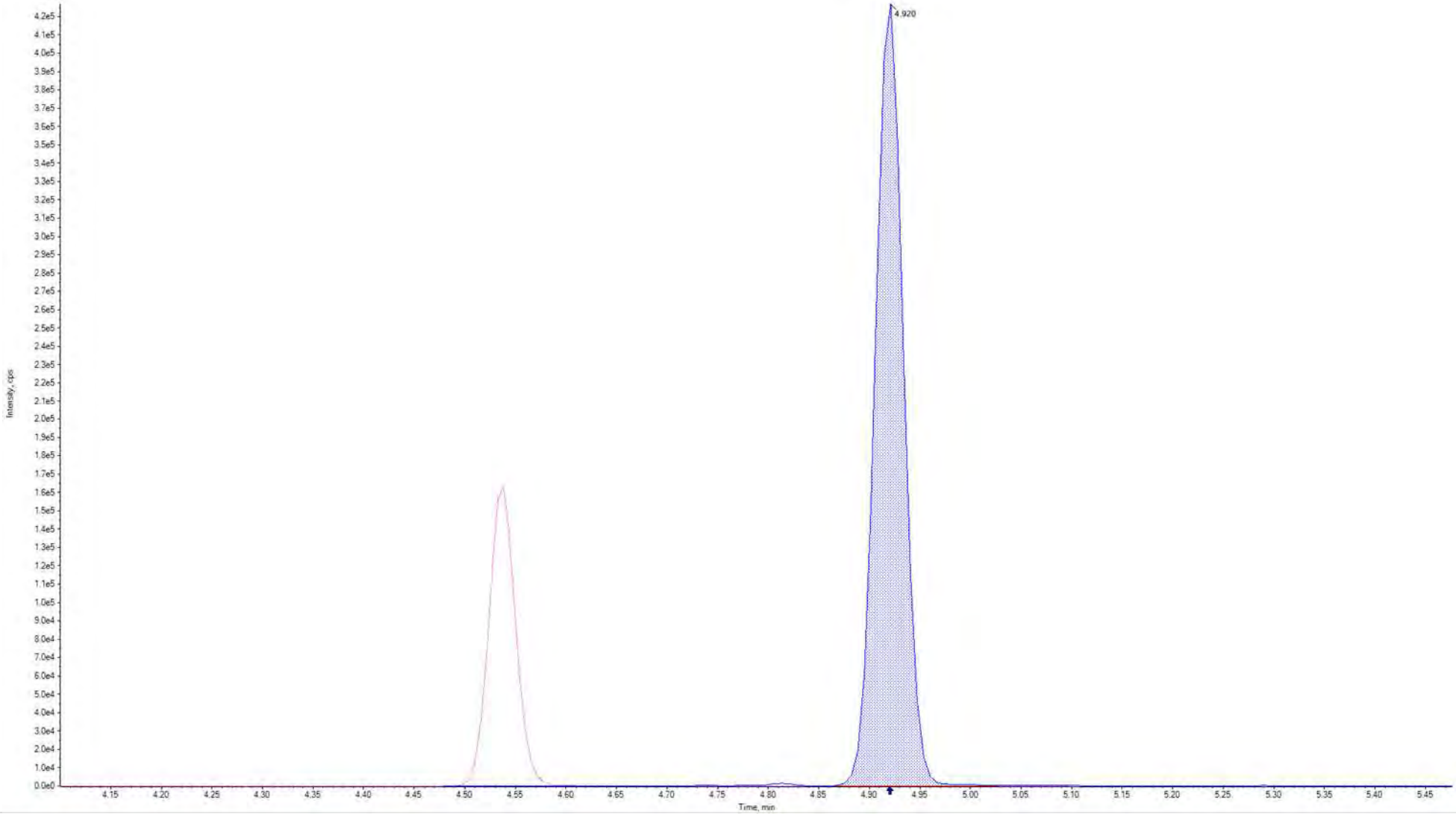
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFTrDA
Sample: IA1633STD-25 S/N:8986.8 Points Across peak:34



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_22.wiff2_7
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFTrDA_2
Sample: IA1633STD-25 S/N:17120.1 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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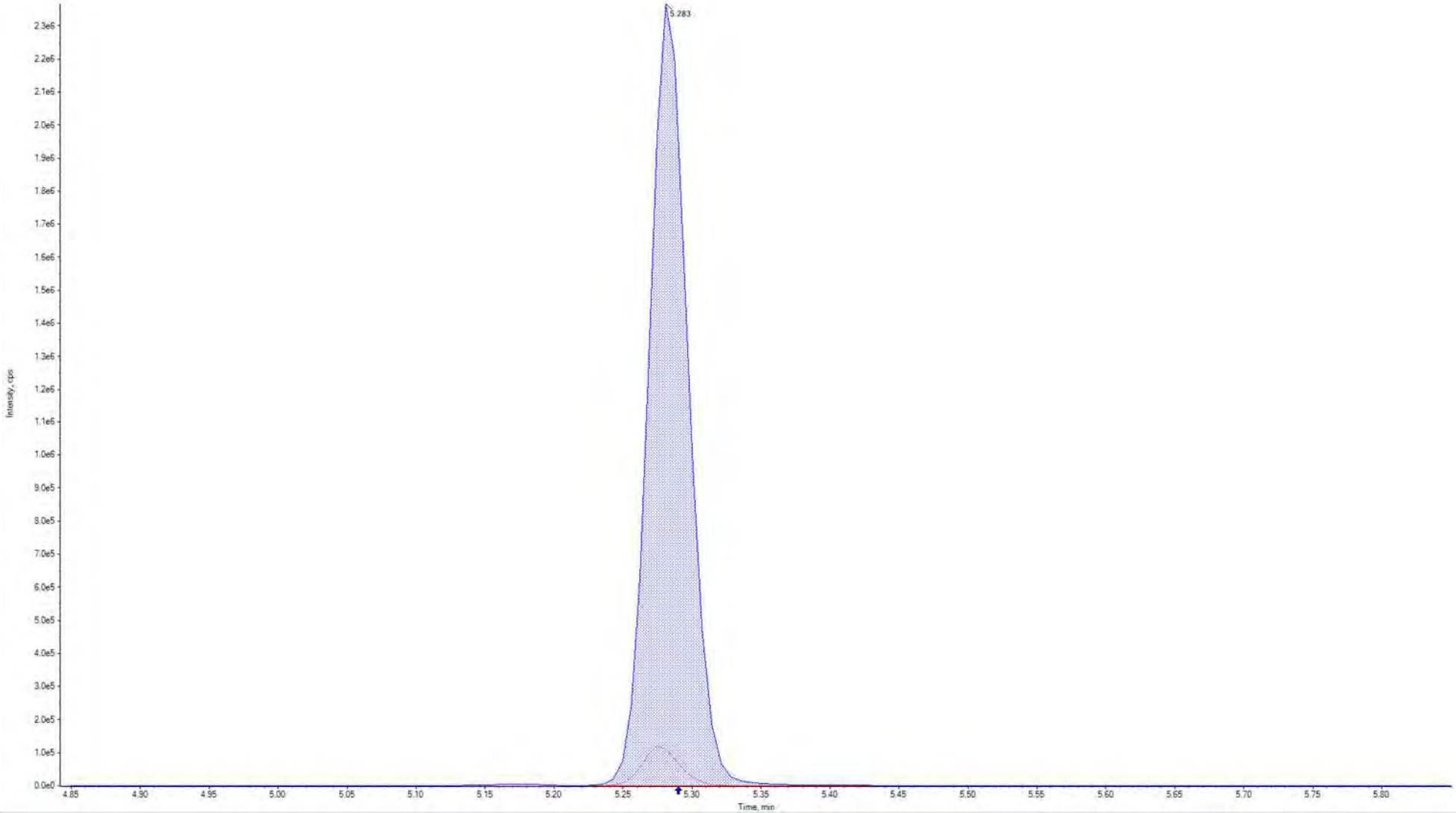
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFTeDA
Sample: IA1633STD-25 S/N:12414.2 Points Across peak:42



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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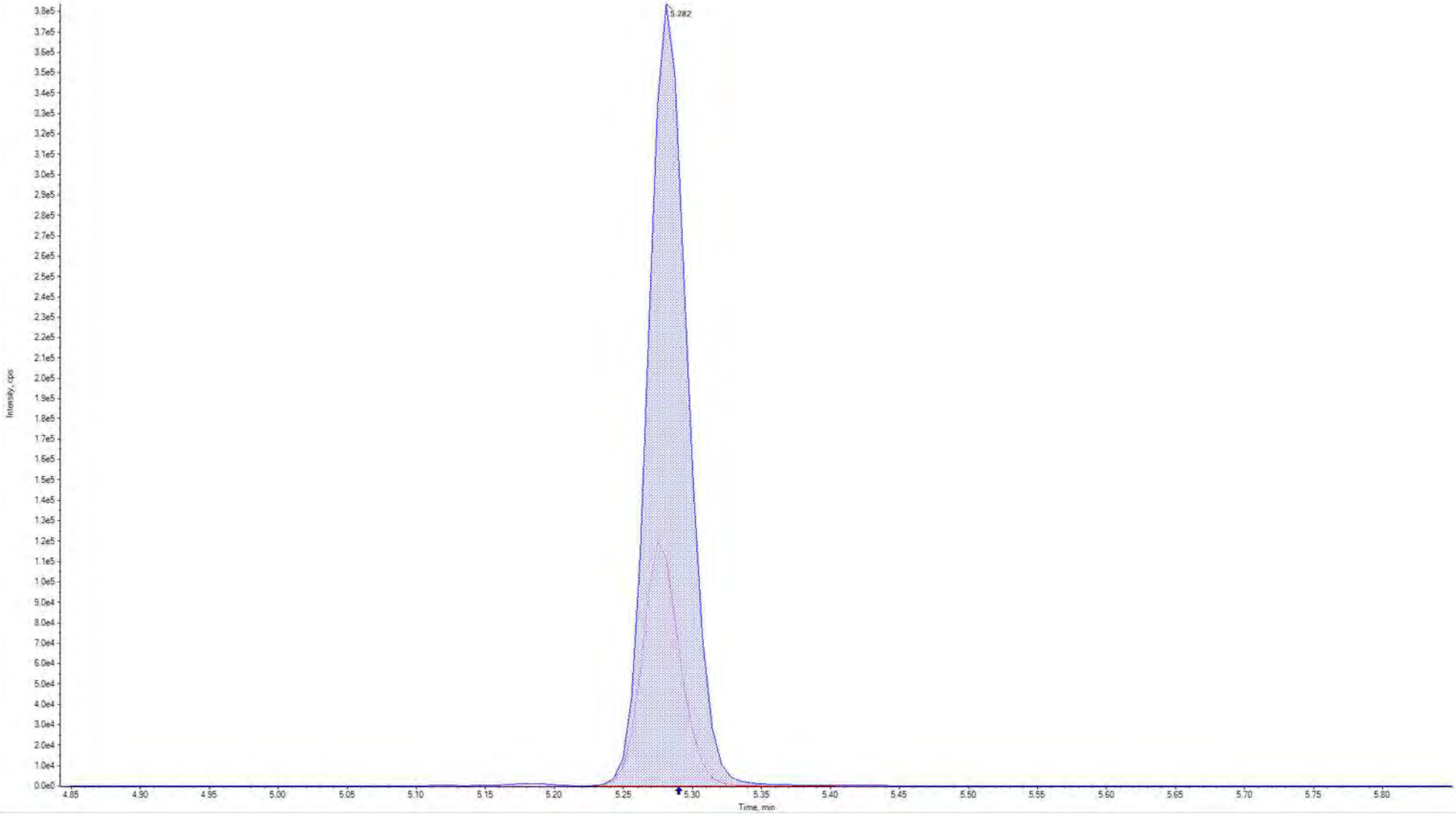
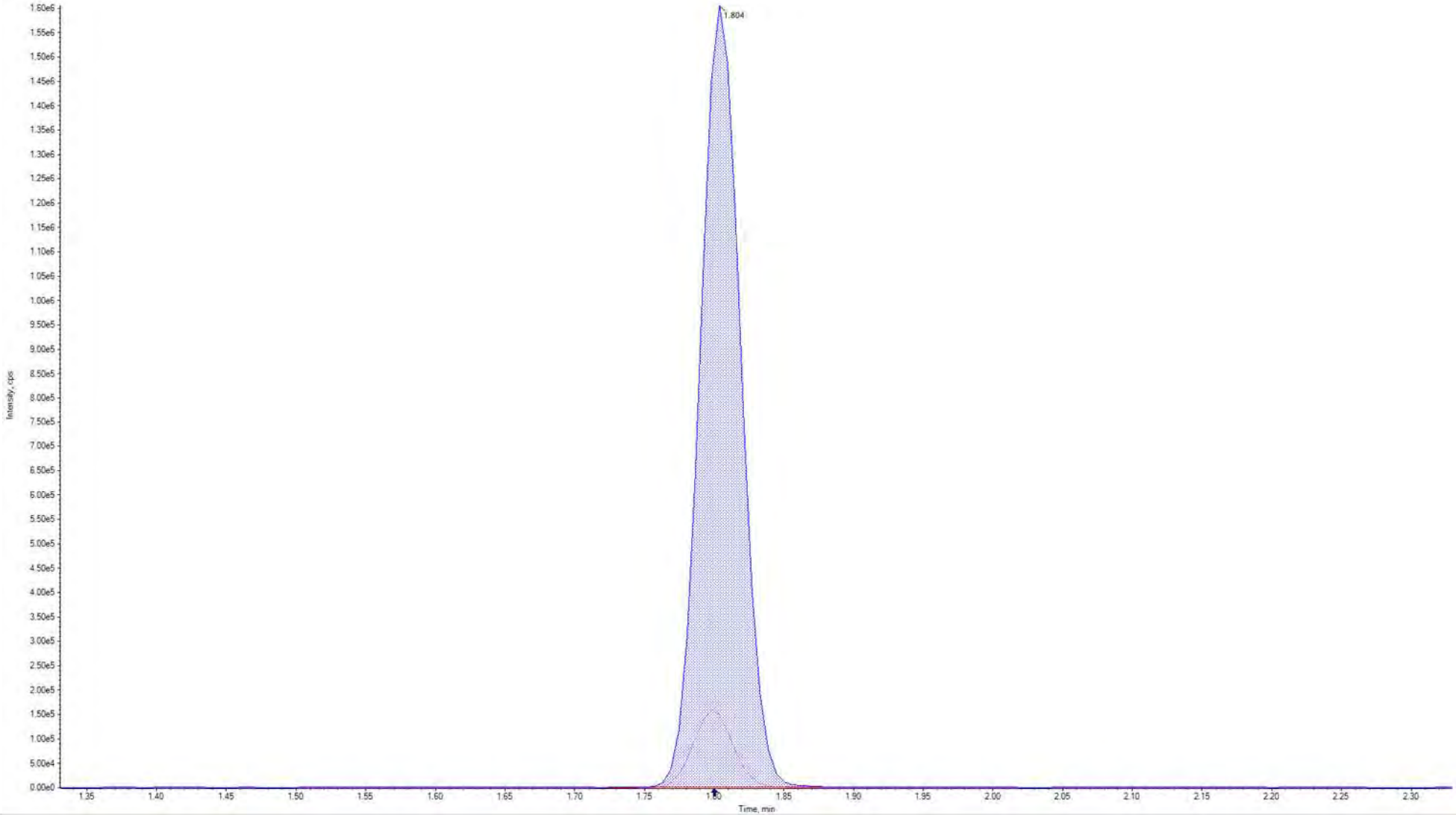
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFTeDA_2
Sample: IA1633STD-25 S/N:2242.8 Points Across peak:27



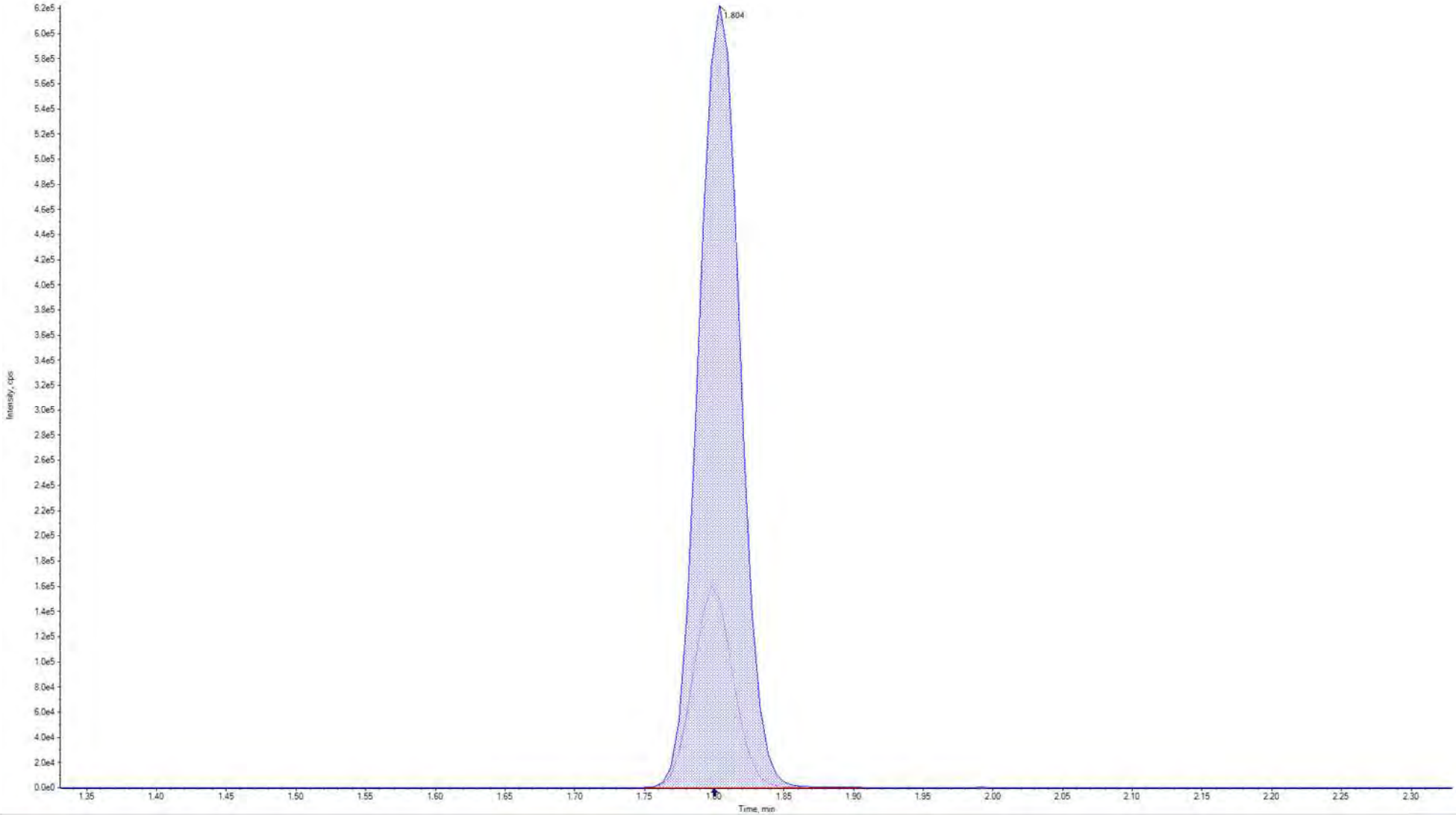
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_22.wiff2_7
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFBS
Sample: IA1633STD-25 S/N:3771.9 Points Across peak:39



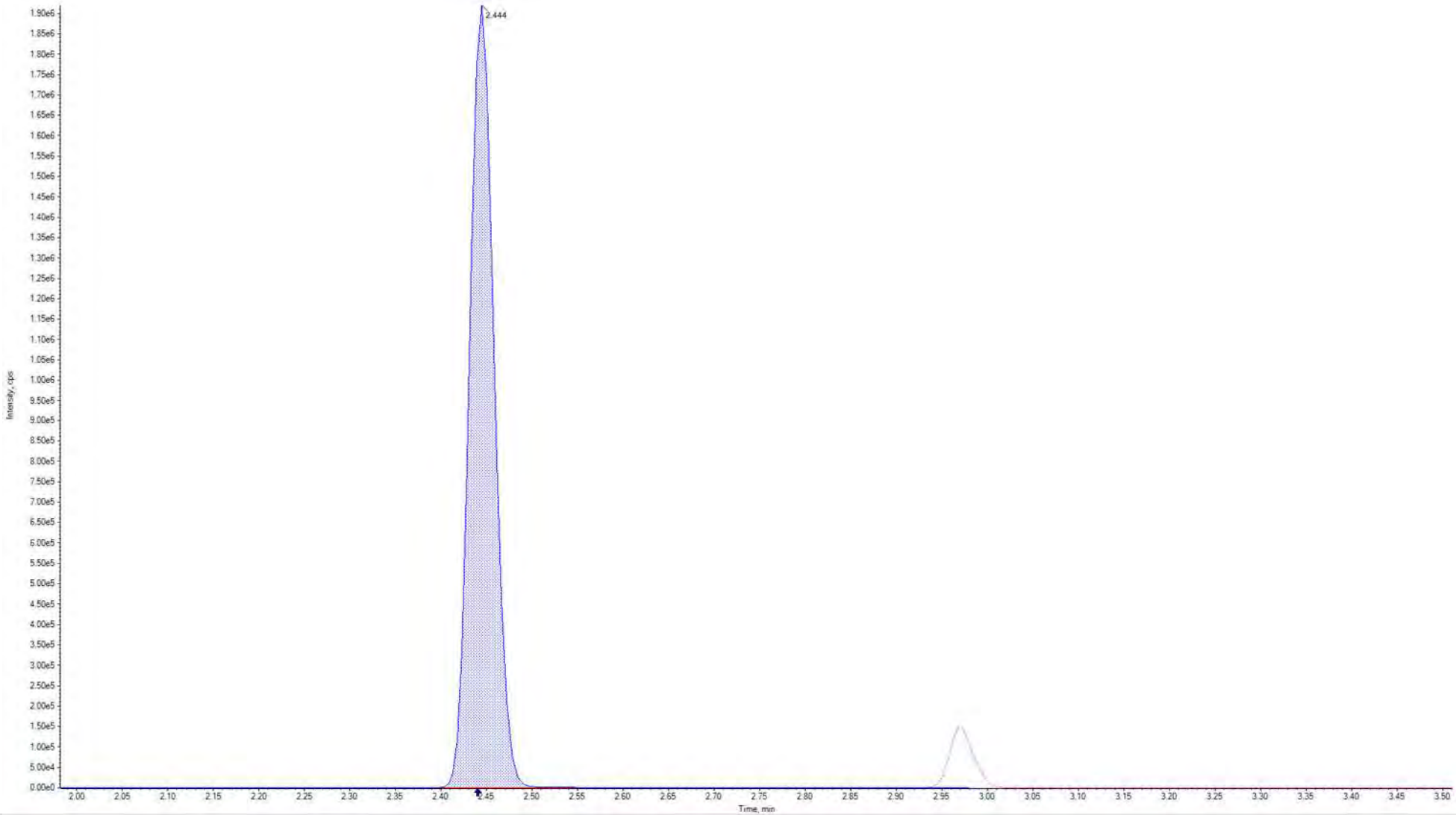
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_22.wiff2_7
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFBS_2
Sample: IA1633STD-25 S/N:15597.7 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_22.wiff2_7
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFPeS
Sample: IA1633STD-25 S/N:38489.2 Points Across peak:35



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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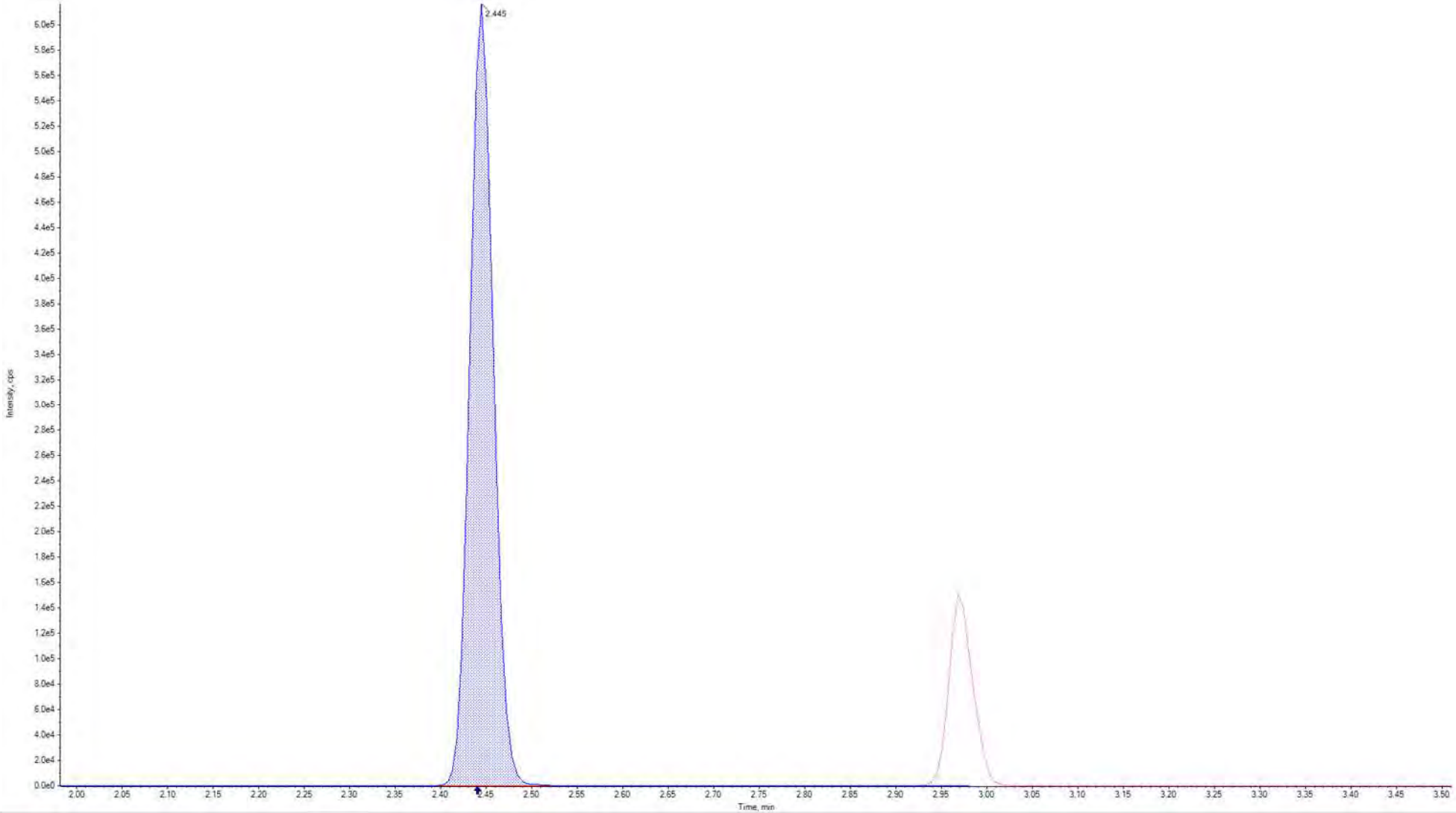
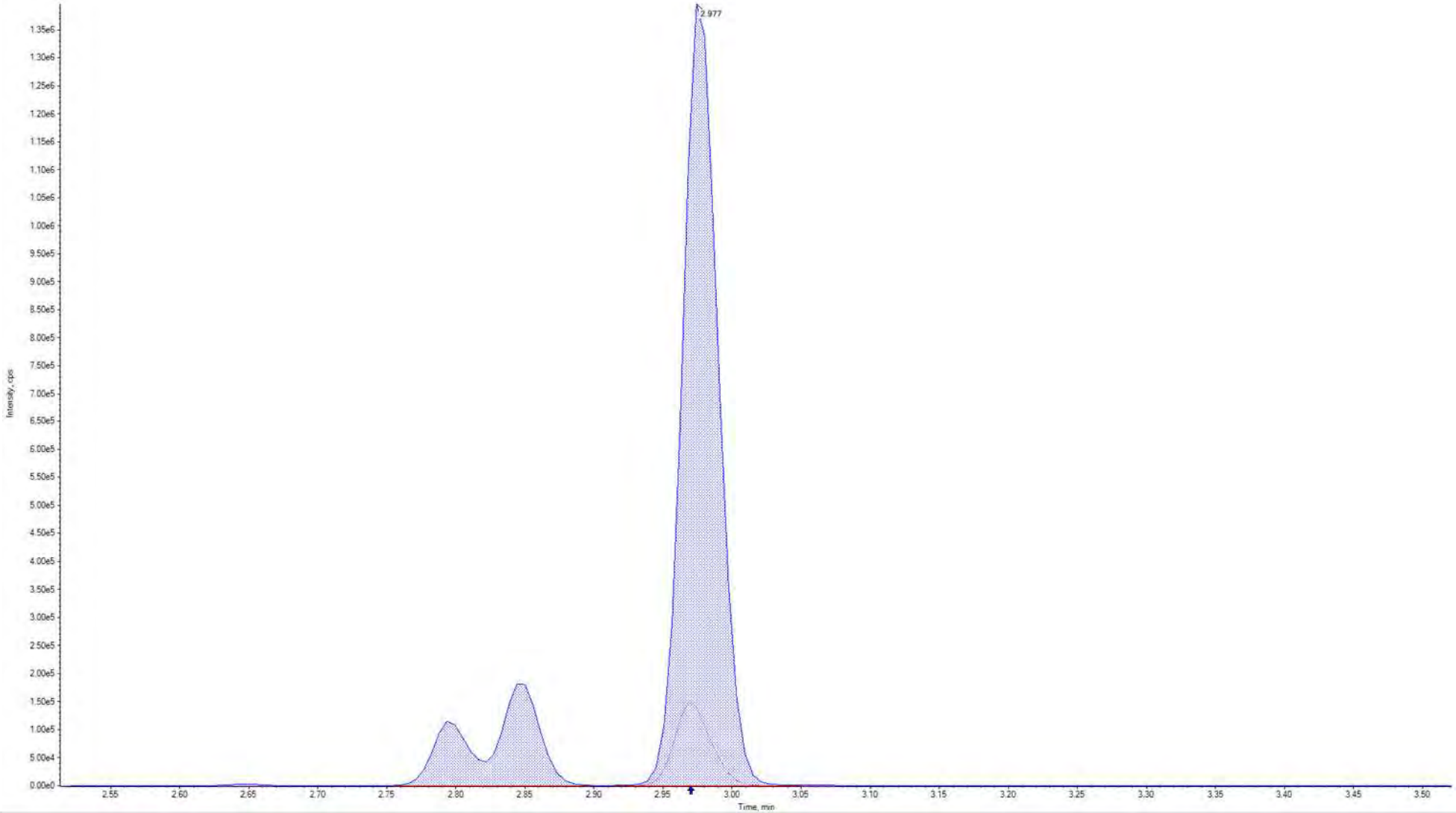
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFPeS_2
Sample: IA1633STD-25 S/N:6606.5 Points Across peak:34



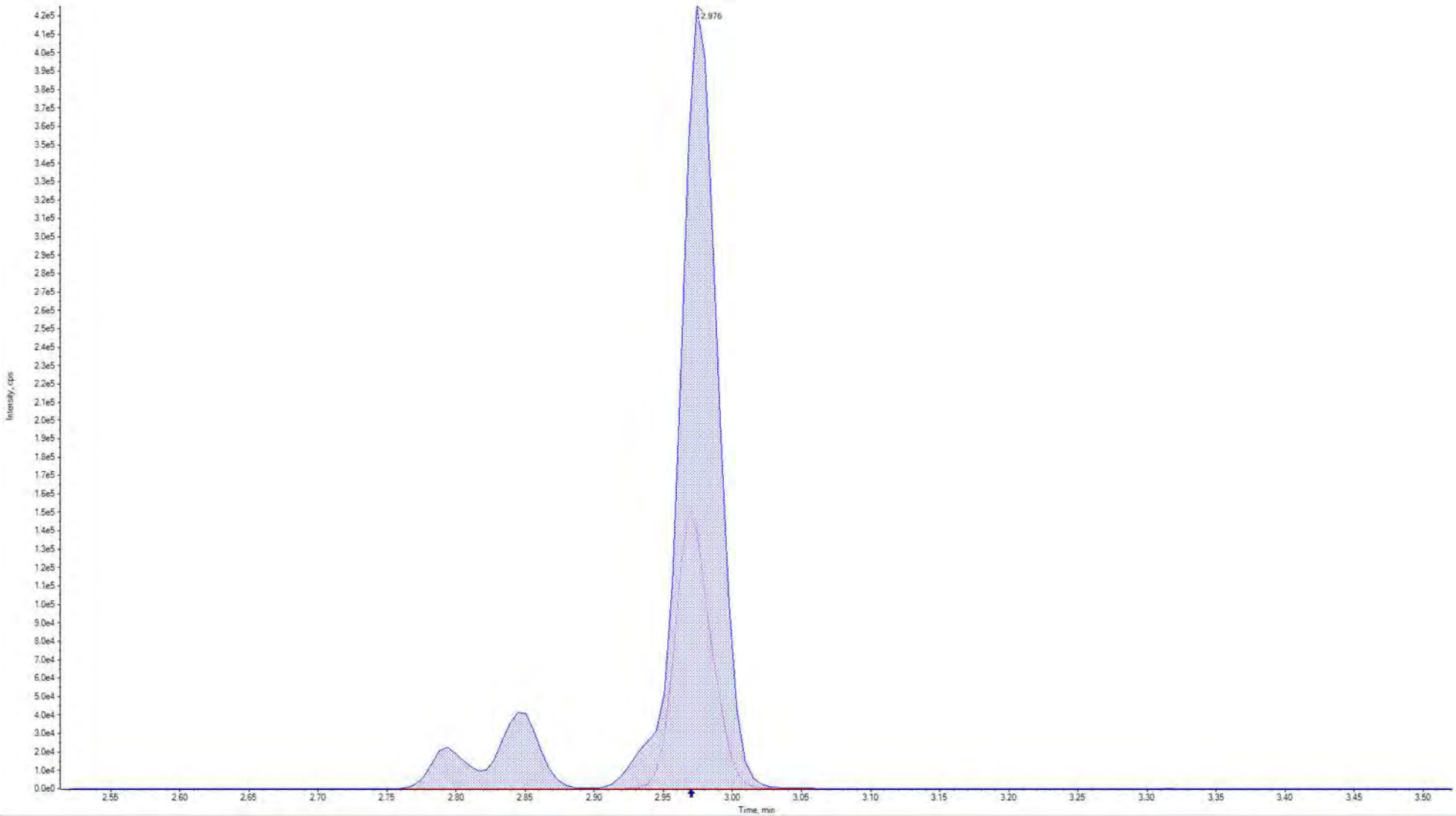
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_22.wiff2_7
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFHxS
Sample: IA1633STD-25 S/N:1134.2 Points Across peak:51



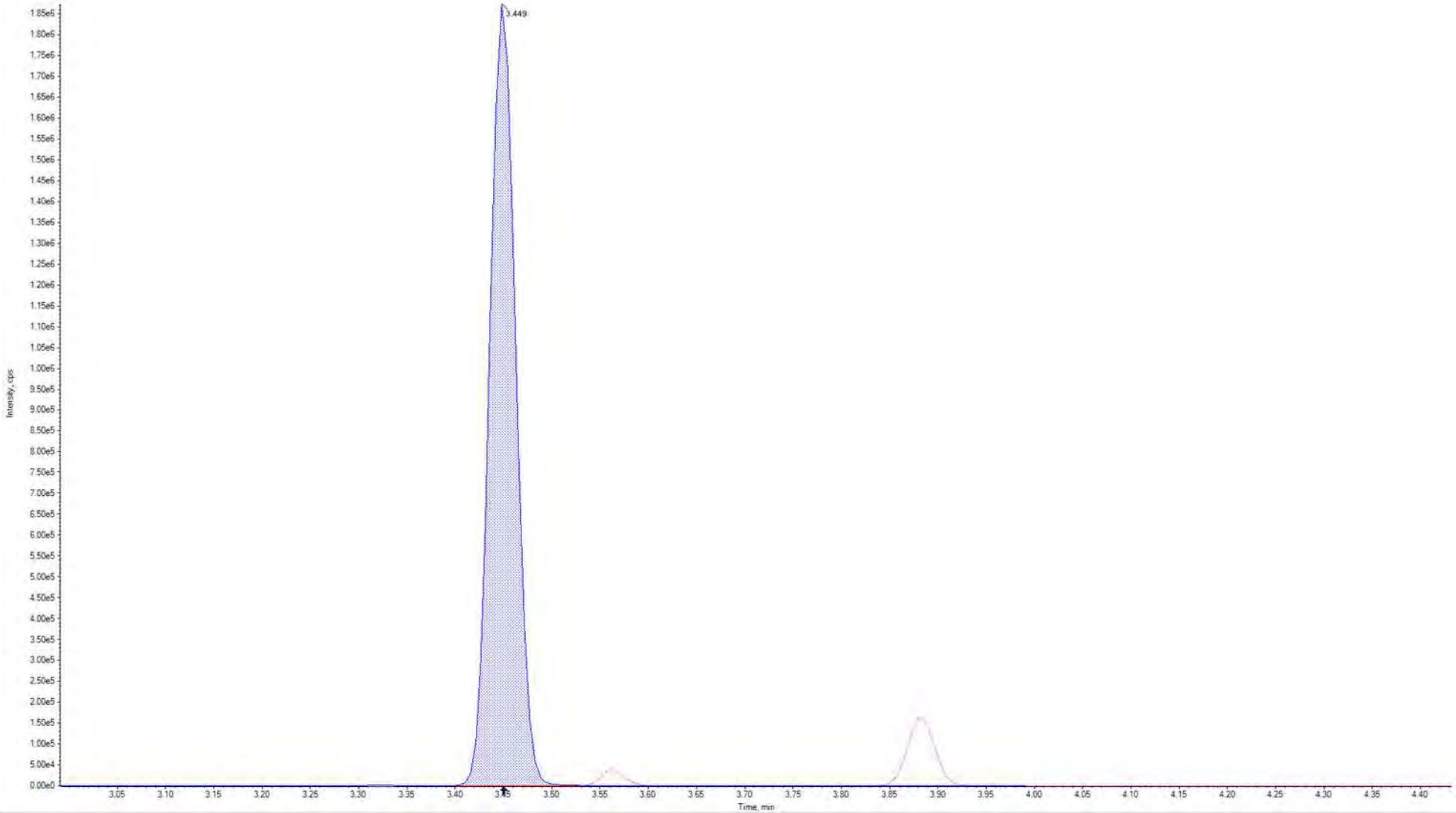
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_22.wiff2_7
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFHxS_2
Sample: IA1633STD-25 S/N:1683.8 Points Across peak:57



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_22.wiff2_7
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFHpS
Sample: IA1633STD-25 S/N:26033.3 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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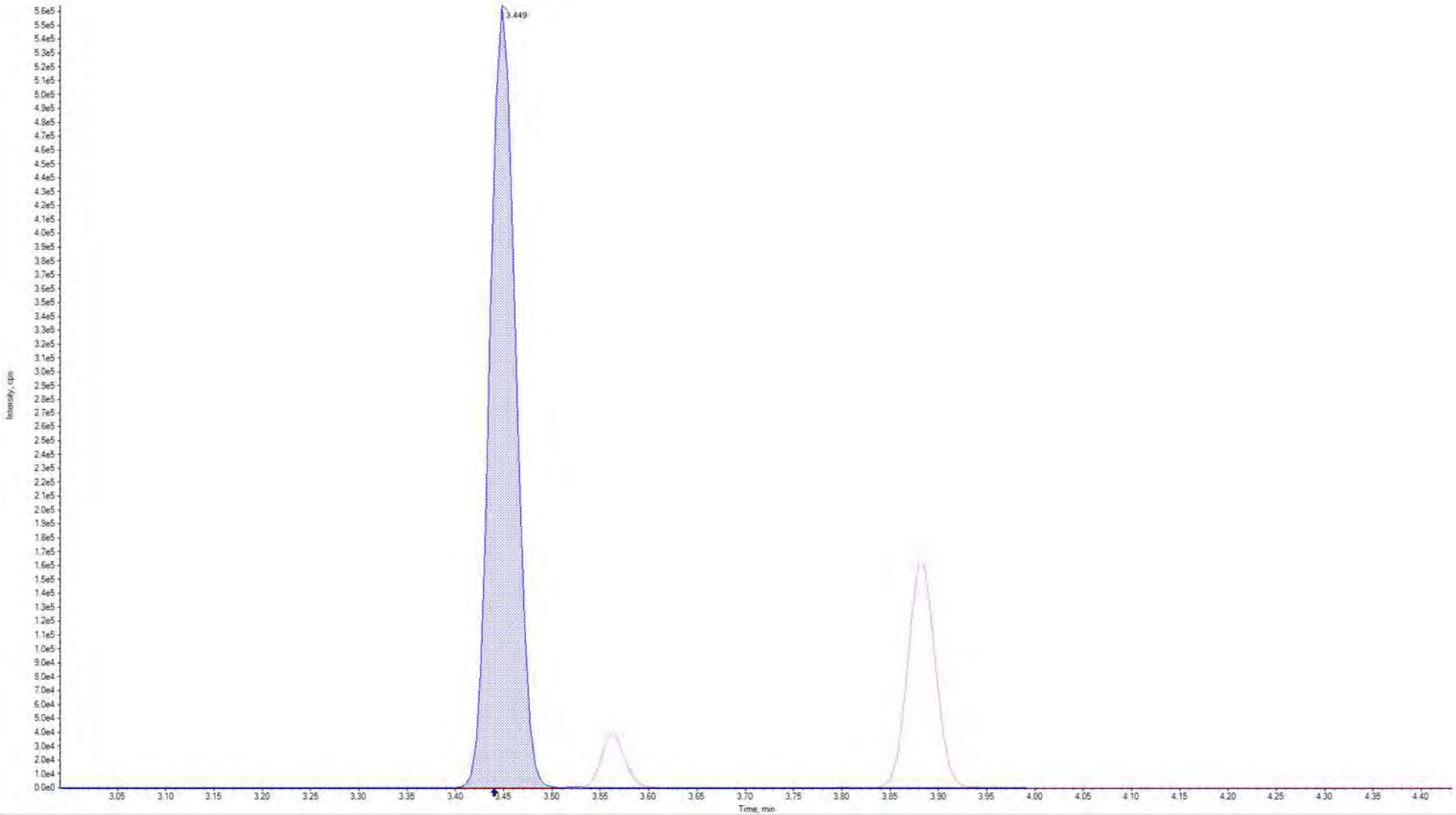
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFHpS_2
Sample: IA1633STD-25 S/N:6383.3 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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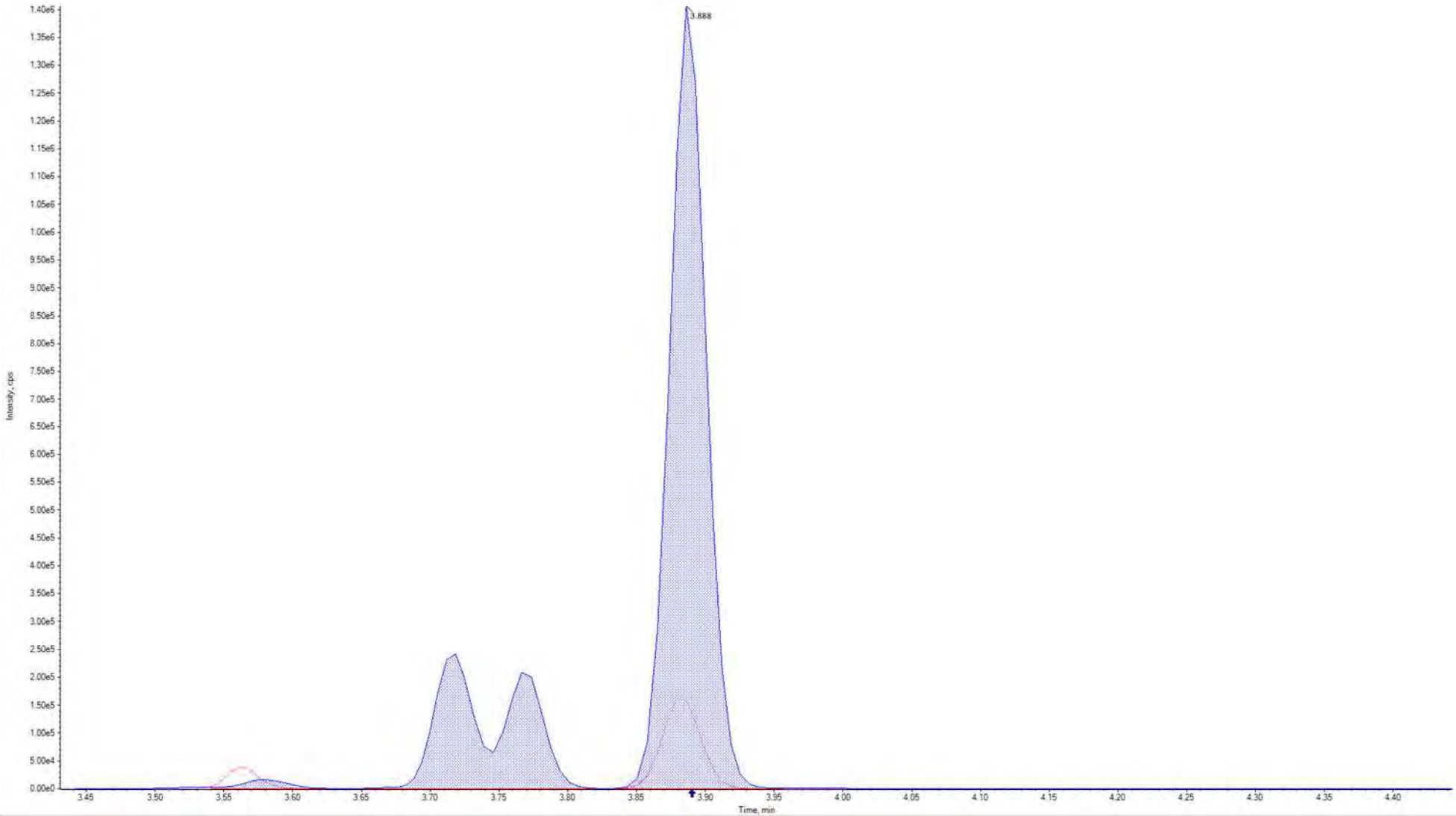
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFOS
Sample: IA1633STD-25 S/N:567.9 Points Across peak:69



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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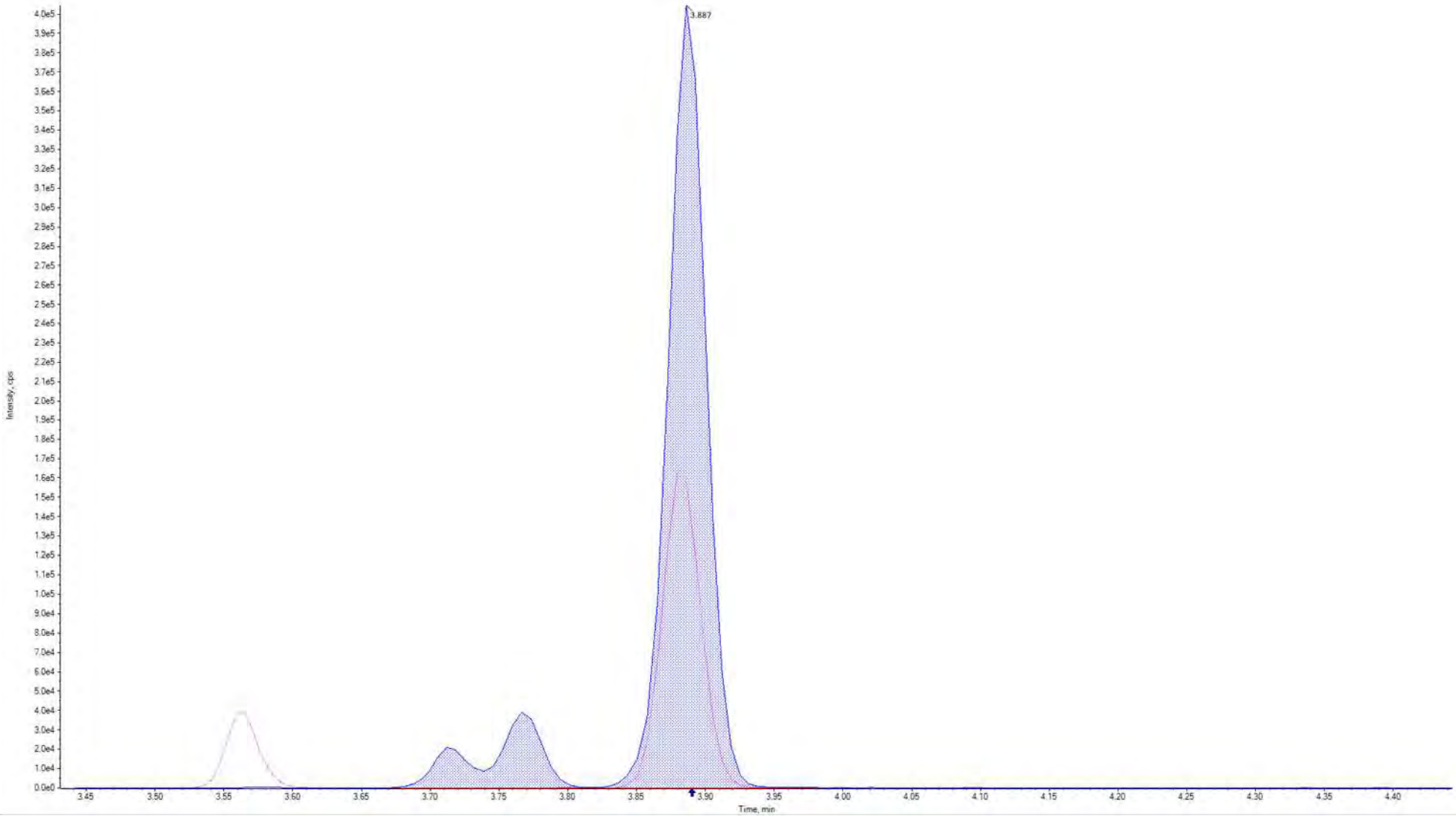
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFOS_2
Sample: IA1633STD-25 S/N:1205.7 Points Across peak:51



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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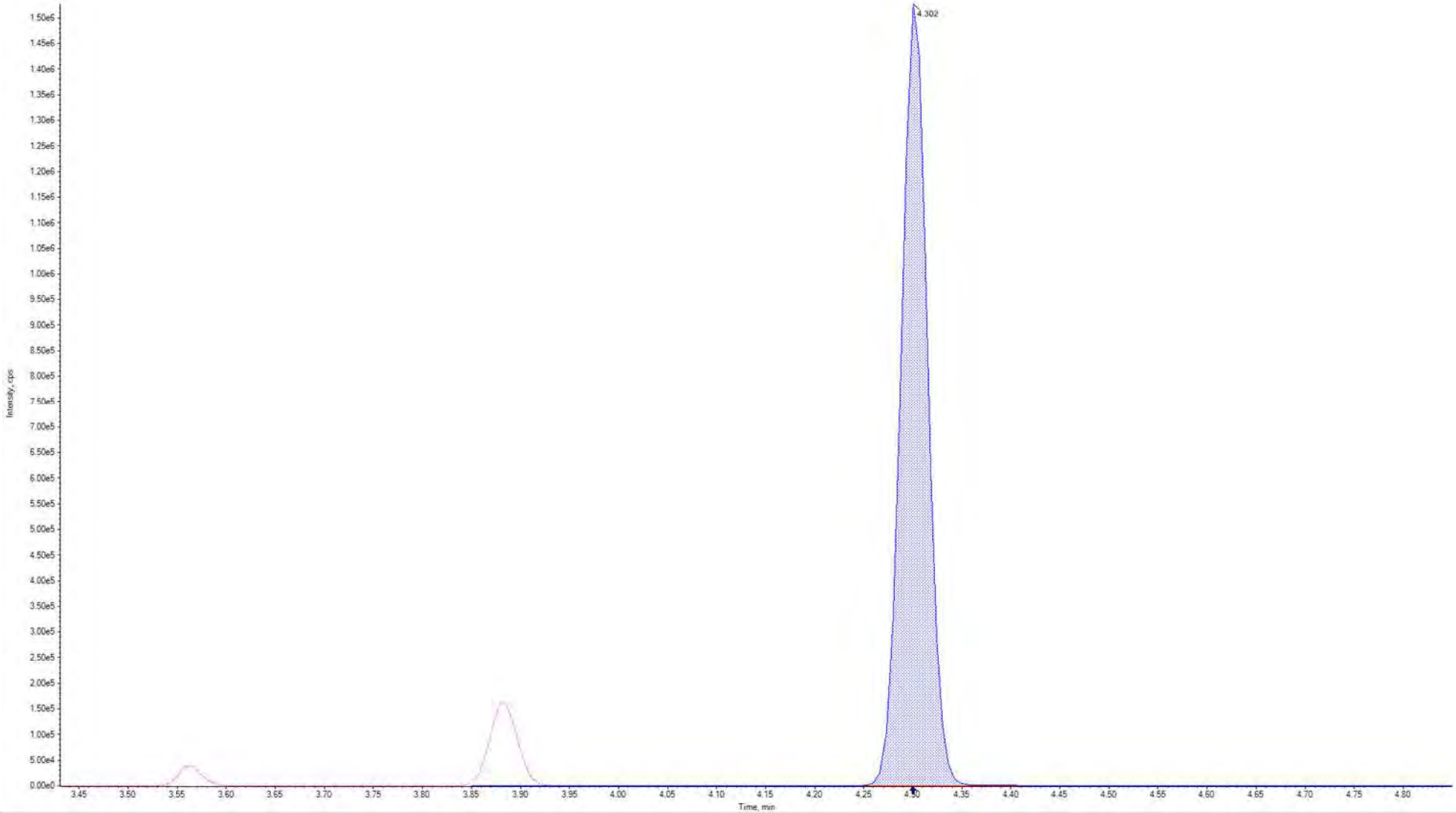
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFNS
Sample: IA1633STD-25 S/N:38284.9 Points Across peak:44



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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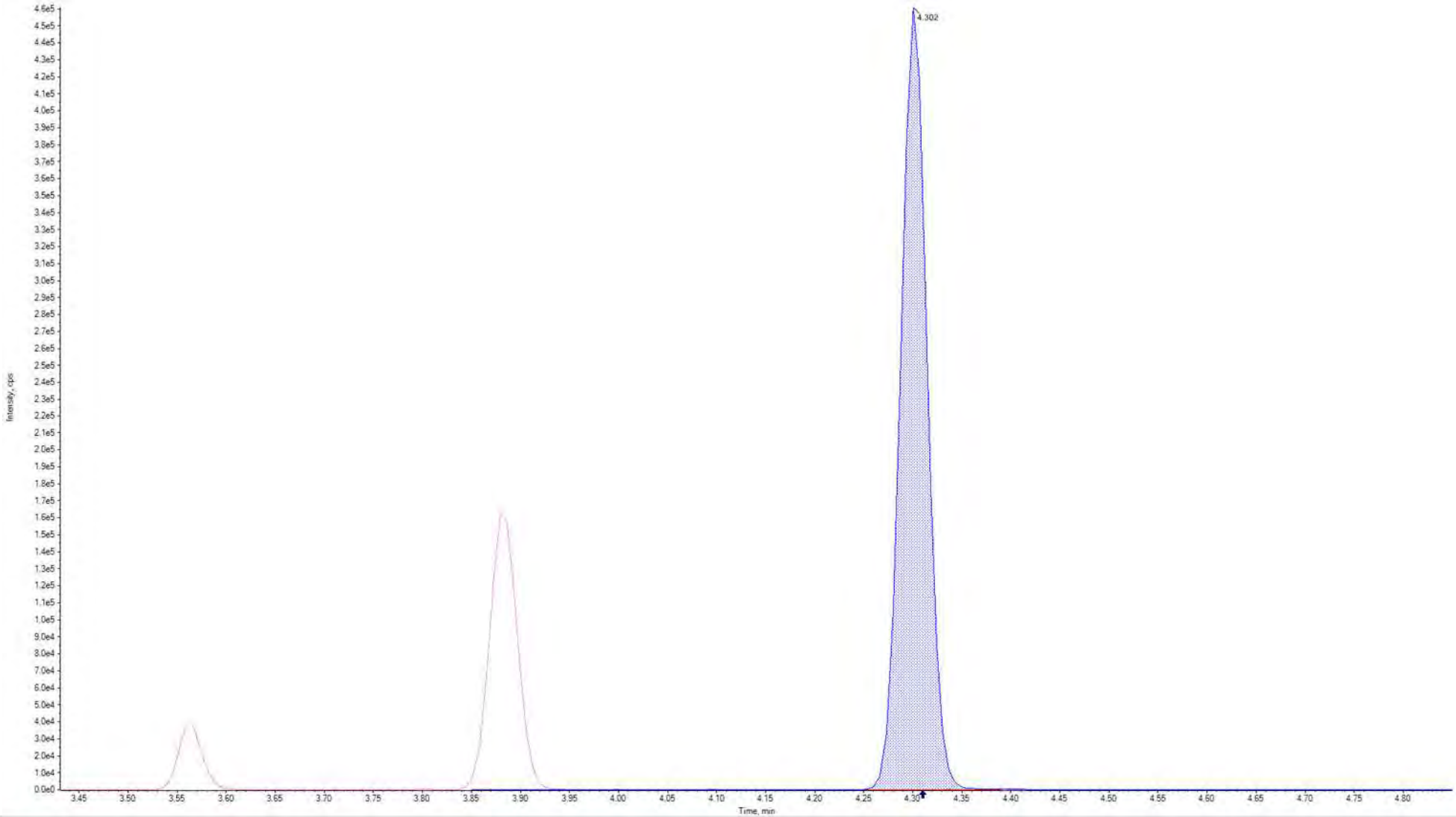
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFNS_2
Sample: IA1633STD-25 S/N:9784.2 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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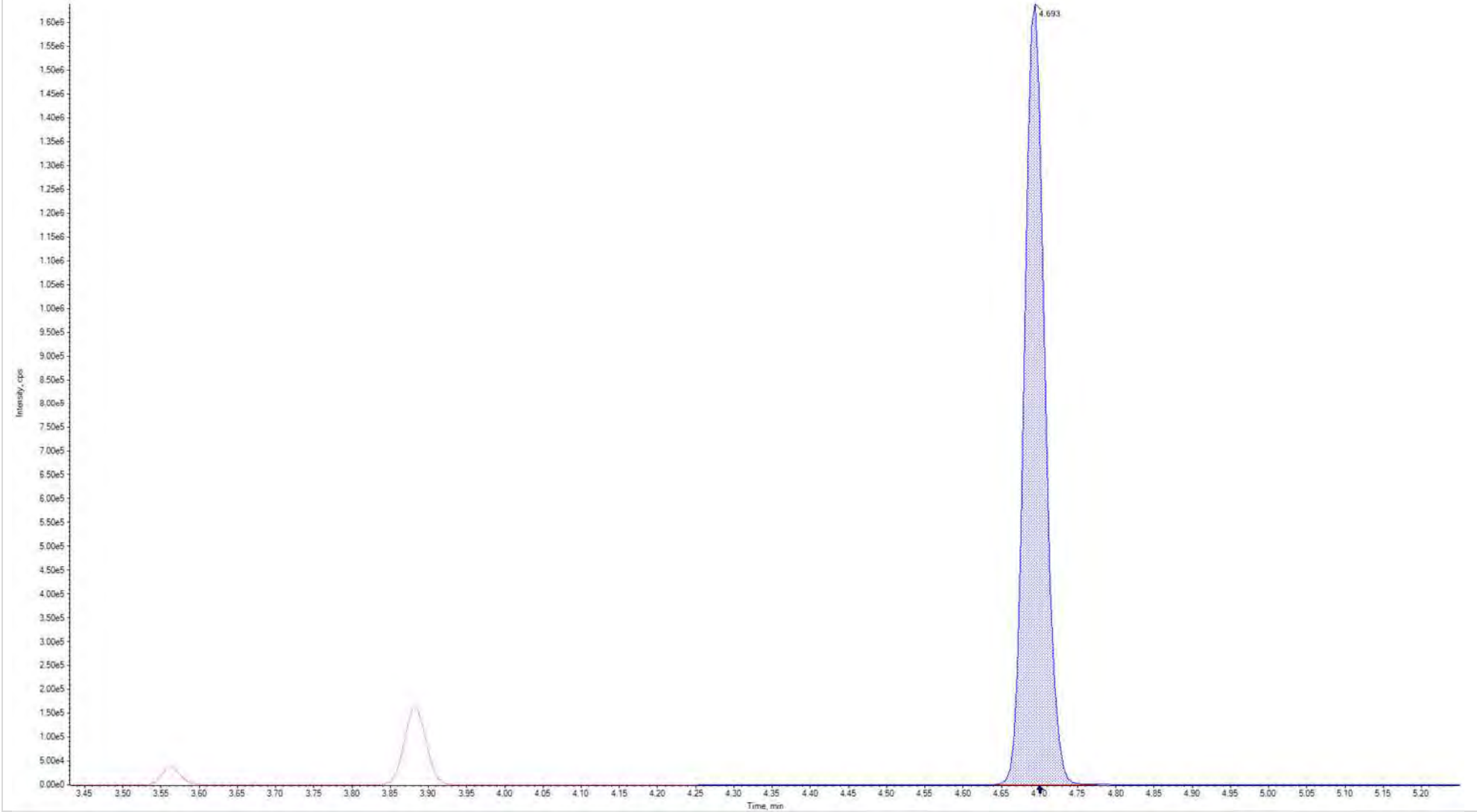
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFDS
Sample: IA1633STD-25 S/N:25699.5 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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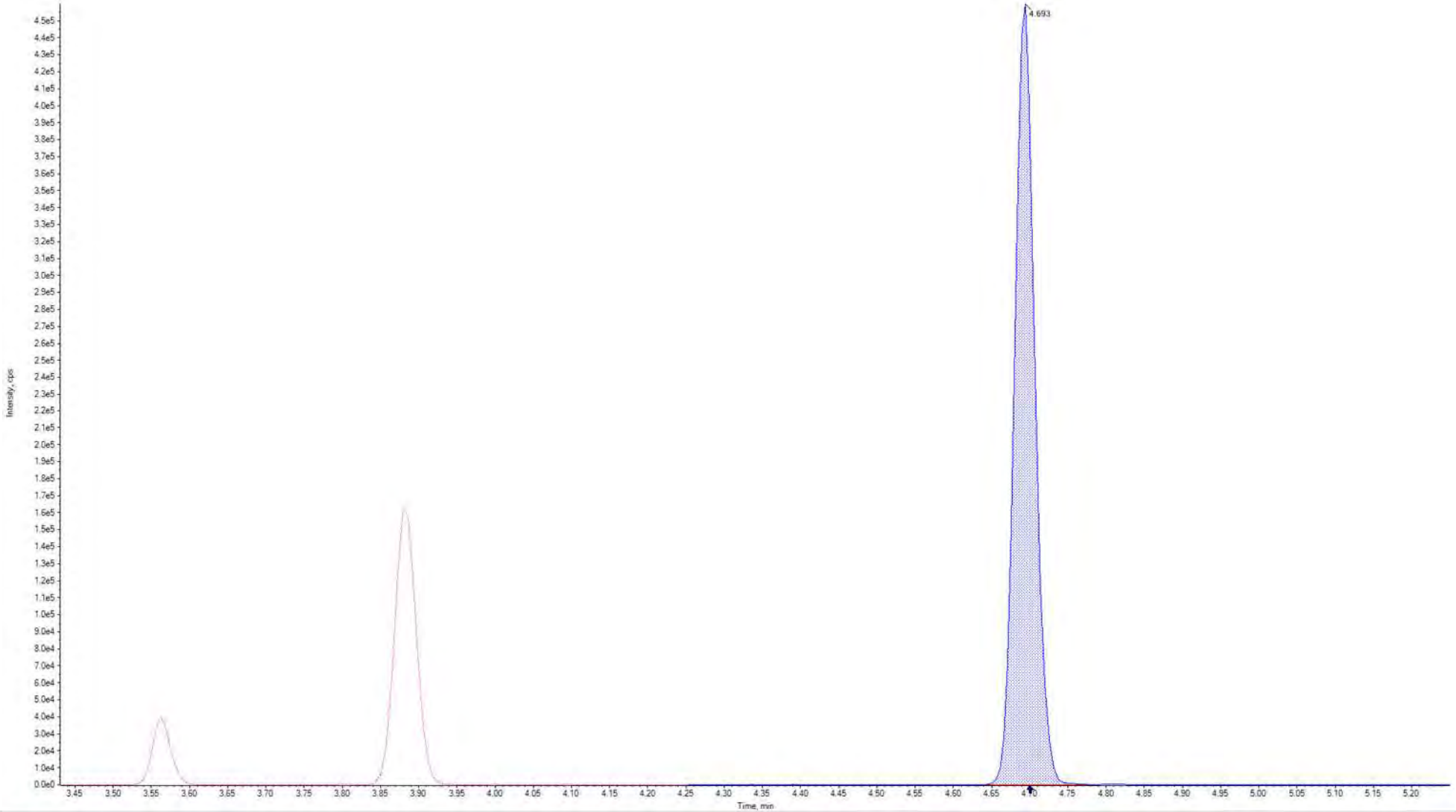
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFDS_2
Sample: IA1633STD-25 S/N:16139.3 Points Across peak:35



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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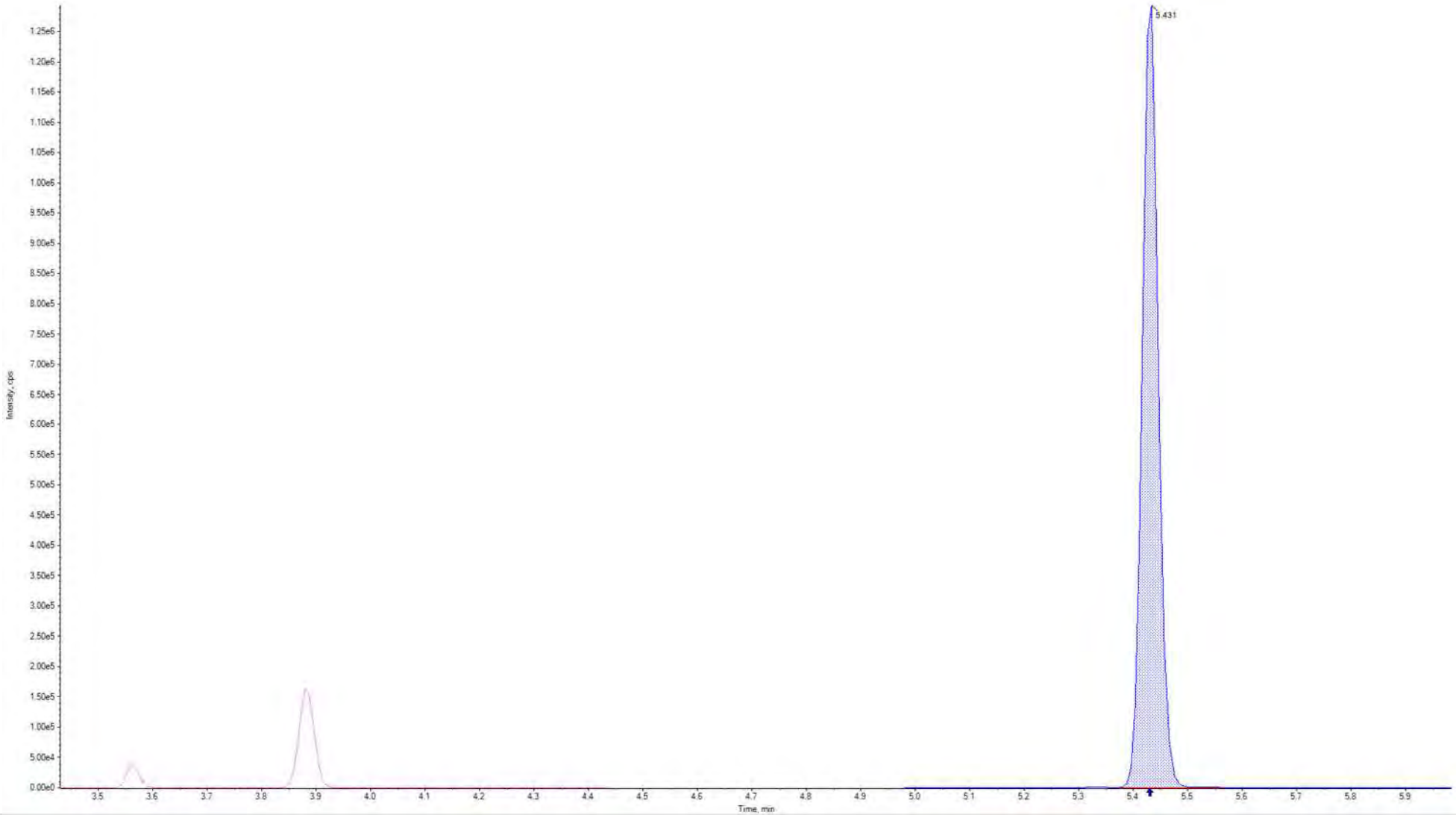
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFDoS
Sample: IA1633STD-25 S/N:8799.8 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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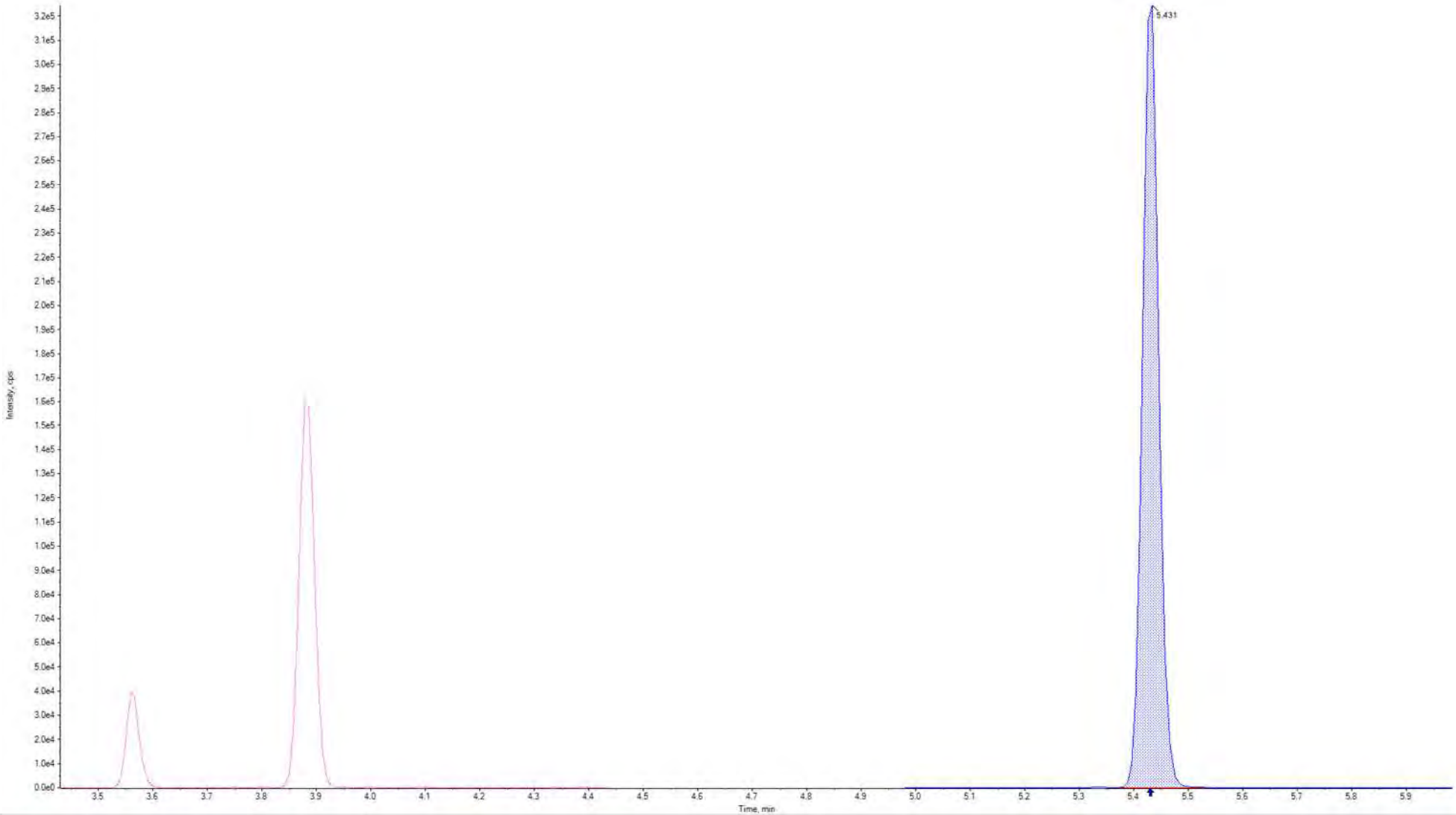
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFDoS_2
Sample: IA1633STD-25 S/N:25209.7 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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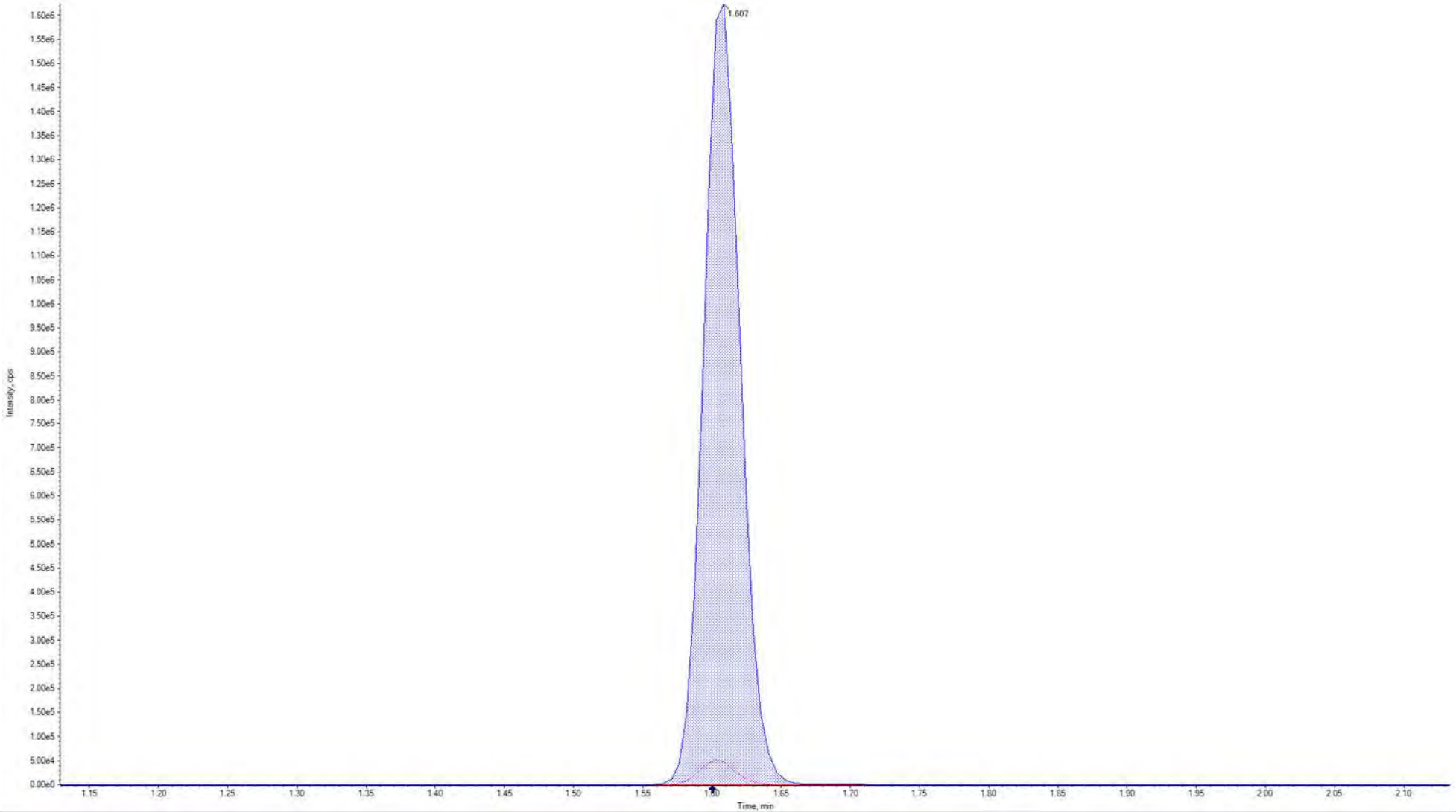
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

4:2FTS
Sample: IA1633STD-25 S/N:13212.0 Points Across peak:38



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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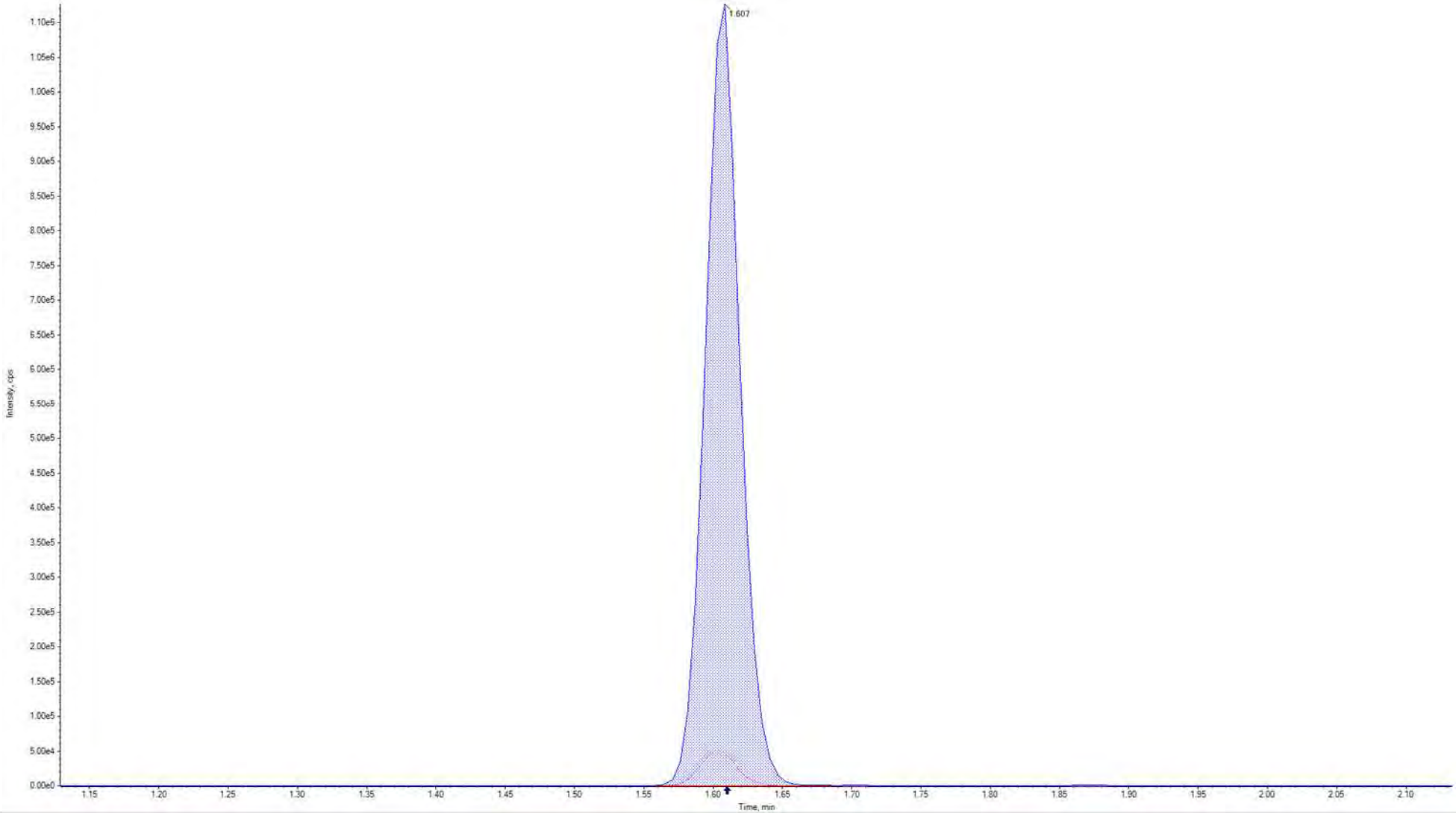
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

4:2FTS_2
Sample: IA1633STD-25 S/N:7968.9 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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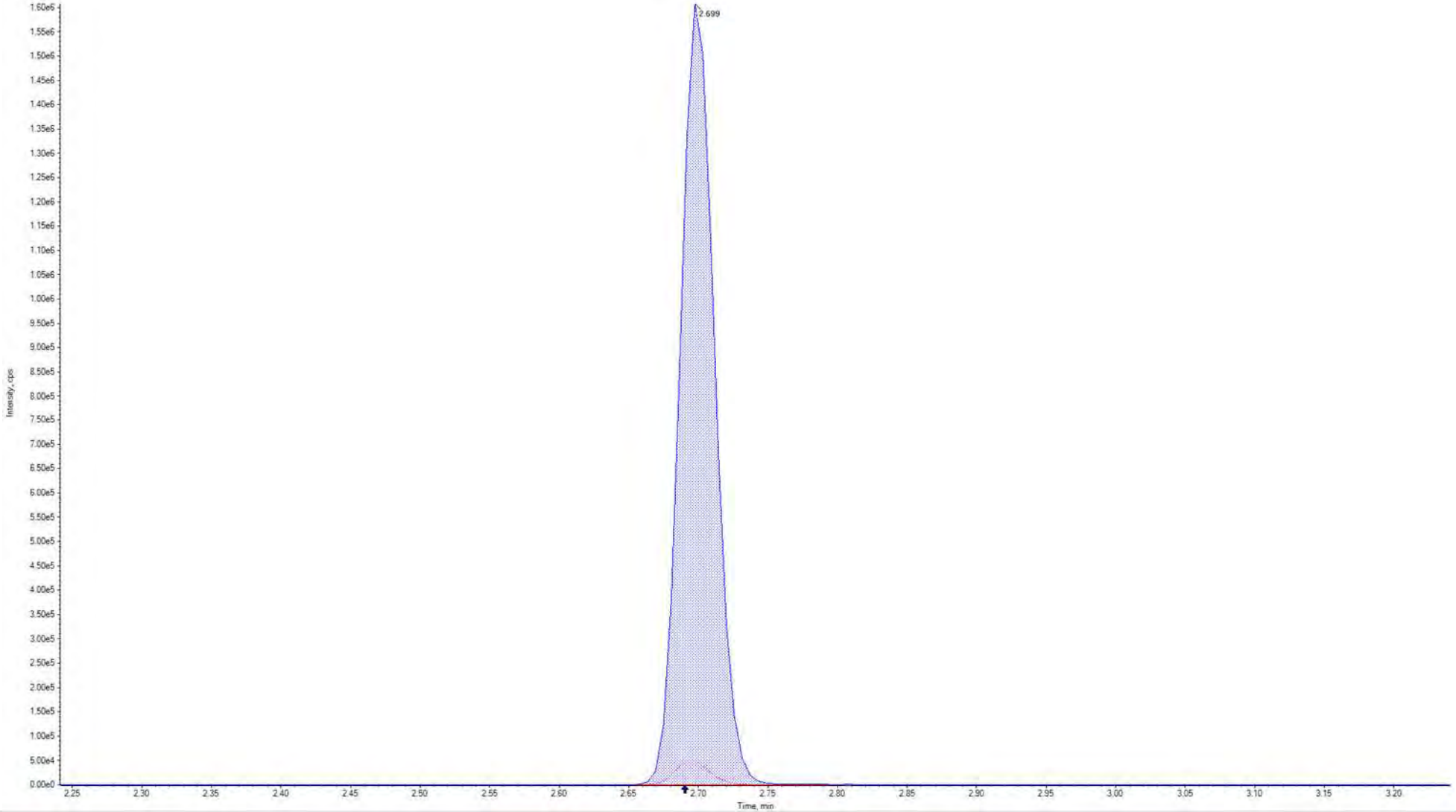
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

6:2FTS
Sample: IA1633STD-25 S/N:8773.2 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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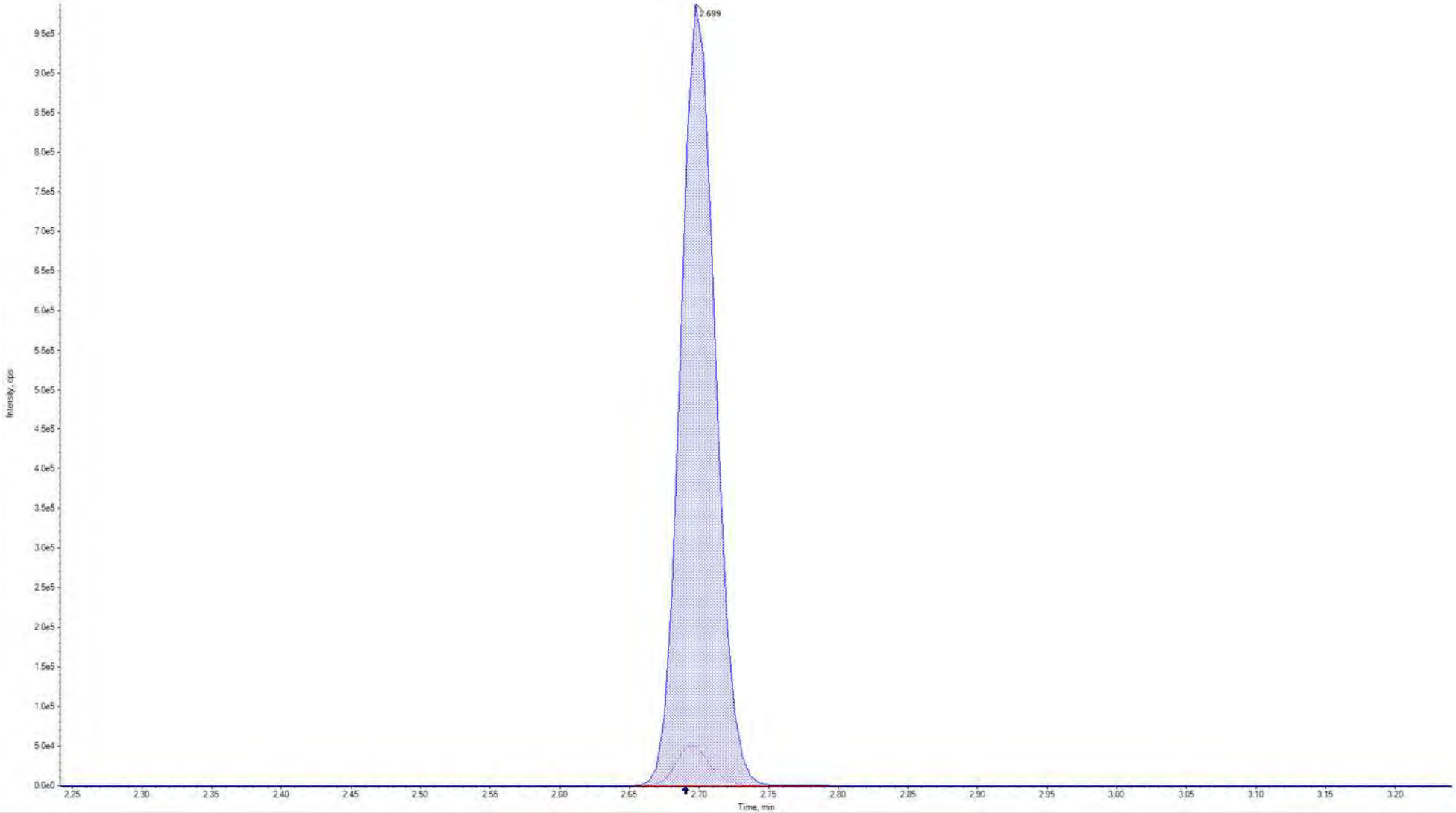
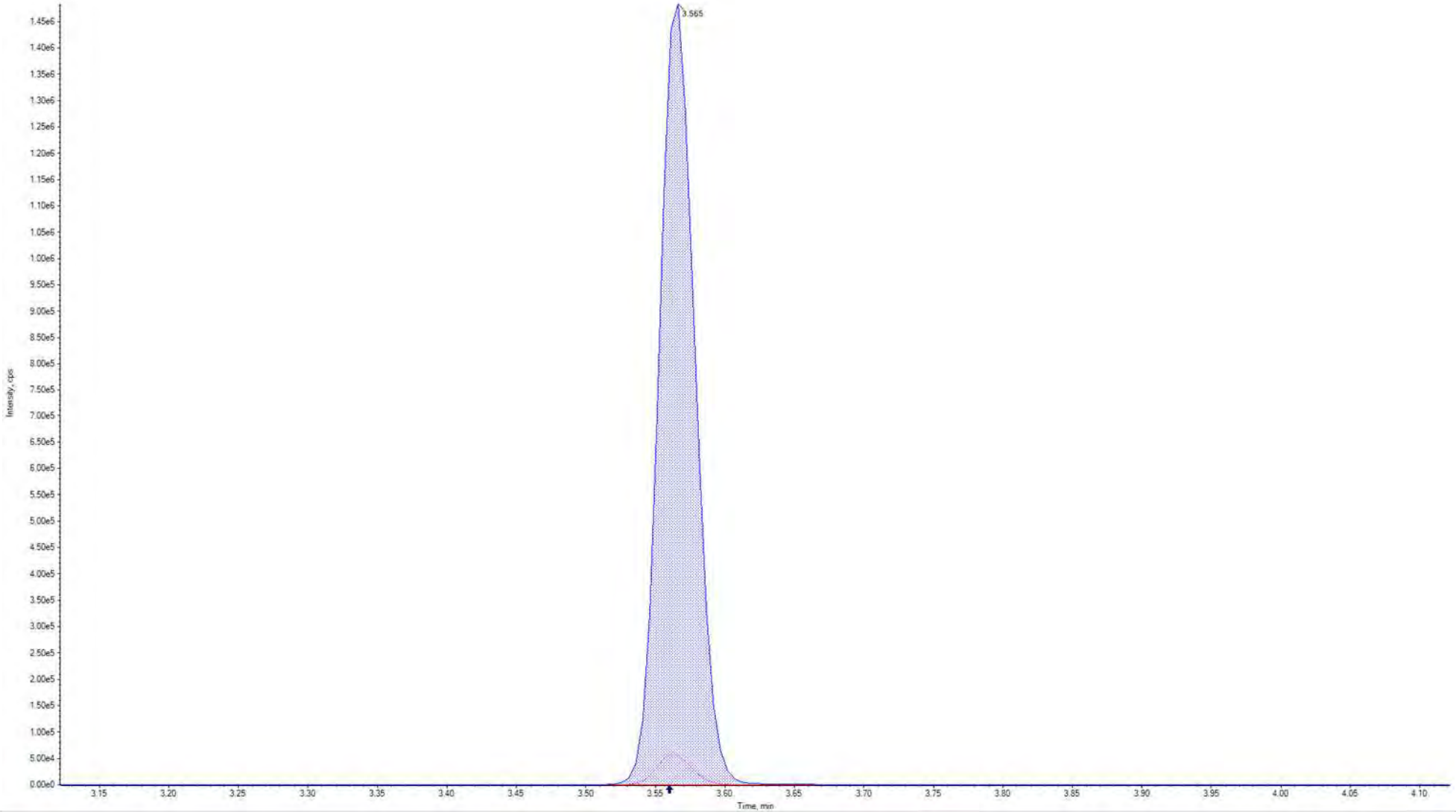
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

6:2FTS_2
Sample: IA1633STD-25 S/N:19800.4 Points Across peak:35



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_22.wiff2_7
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

8:2FTS
Sample: IA1633STD-25 S/N:11024.2 Points Across peak:42



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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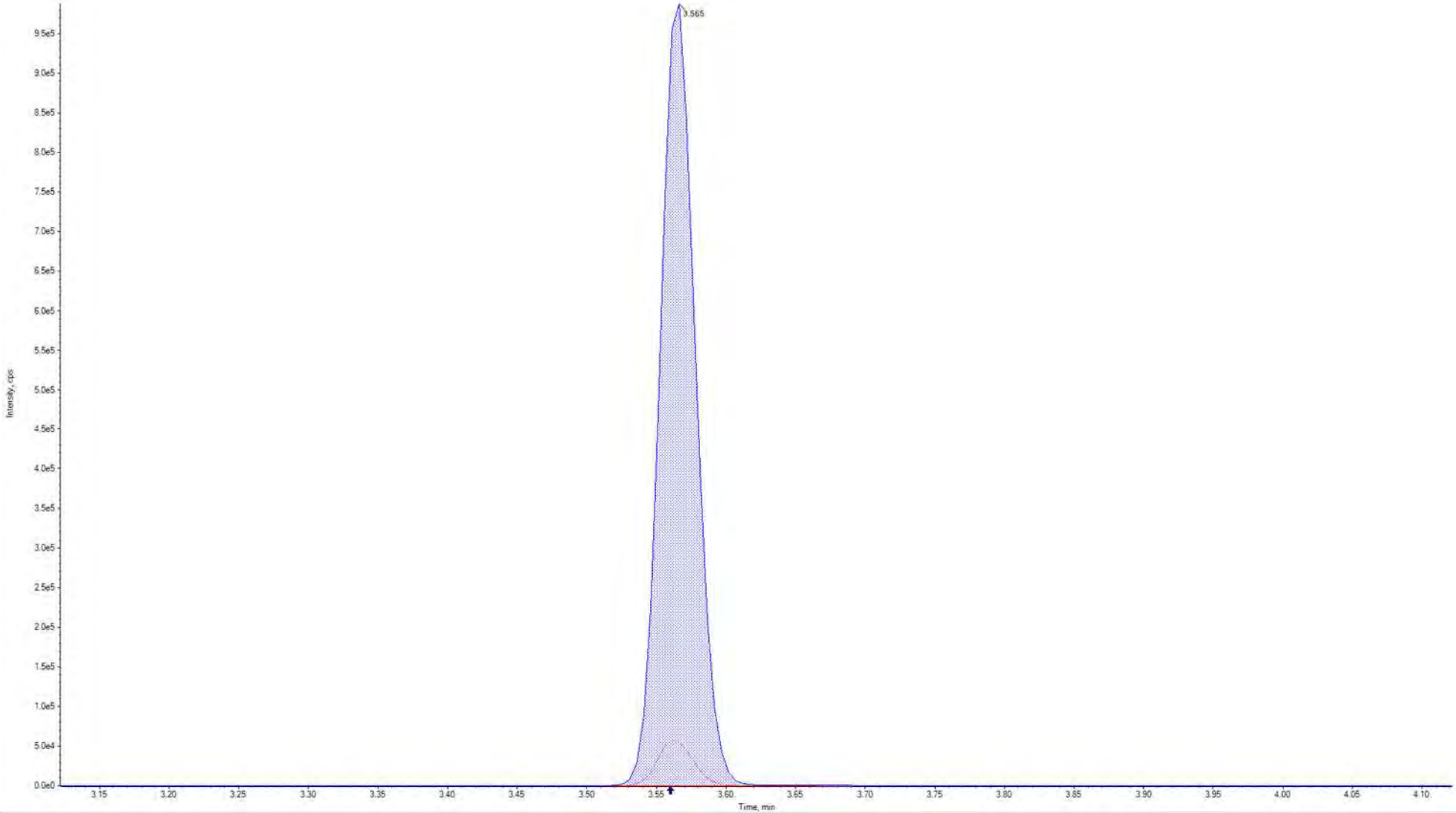
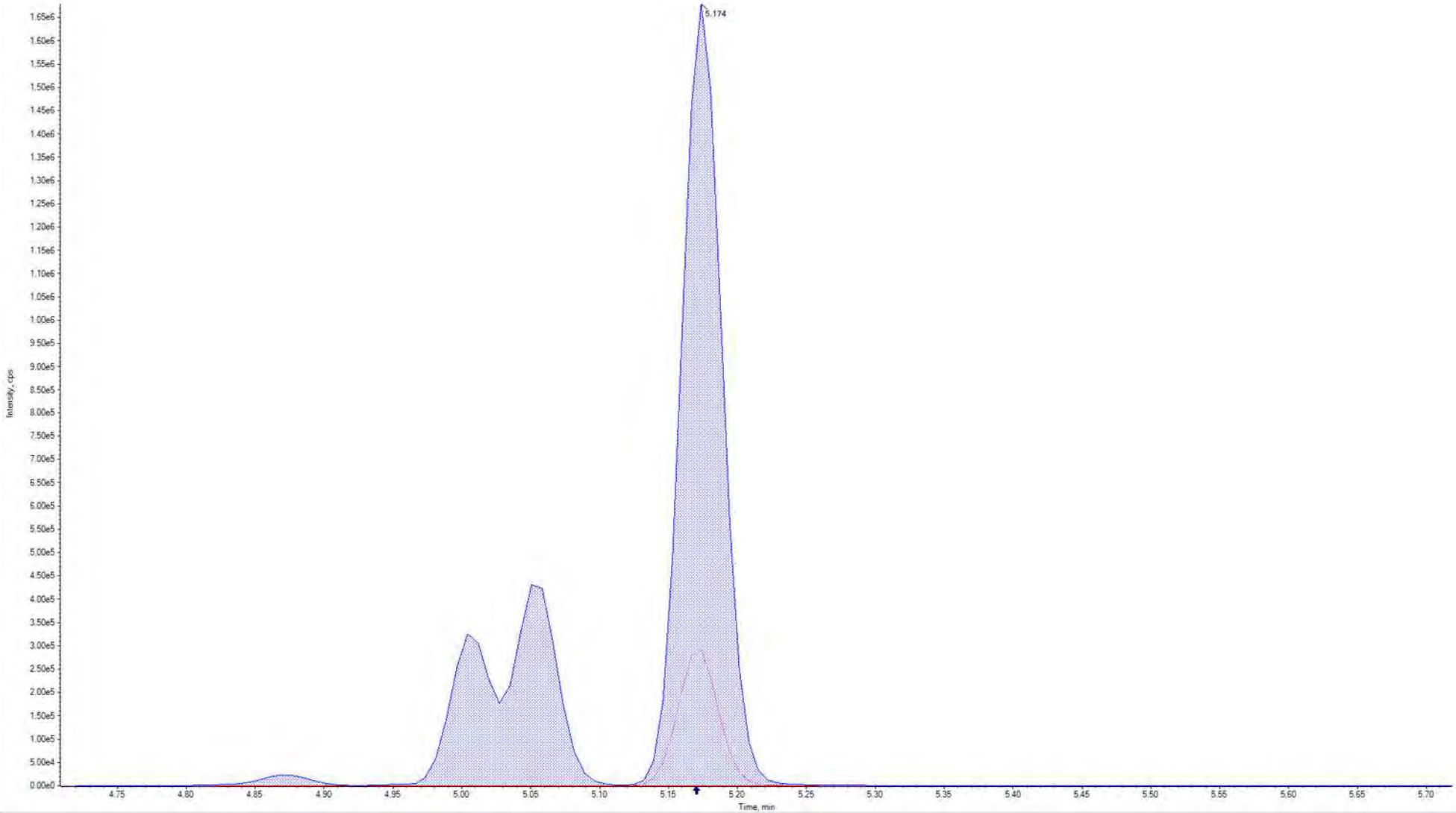
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

8:2FTS_2
Sample: IA1633STD-25 S/N:19801.8 Points Across peak:33



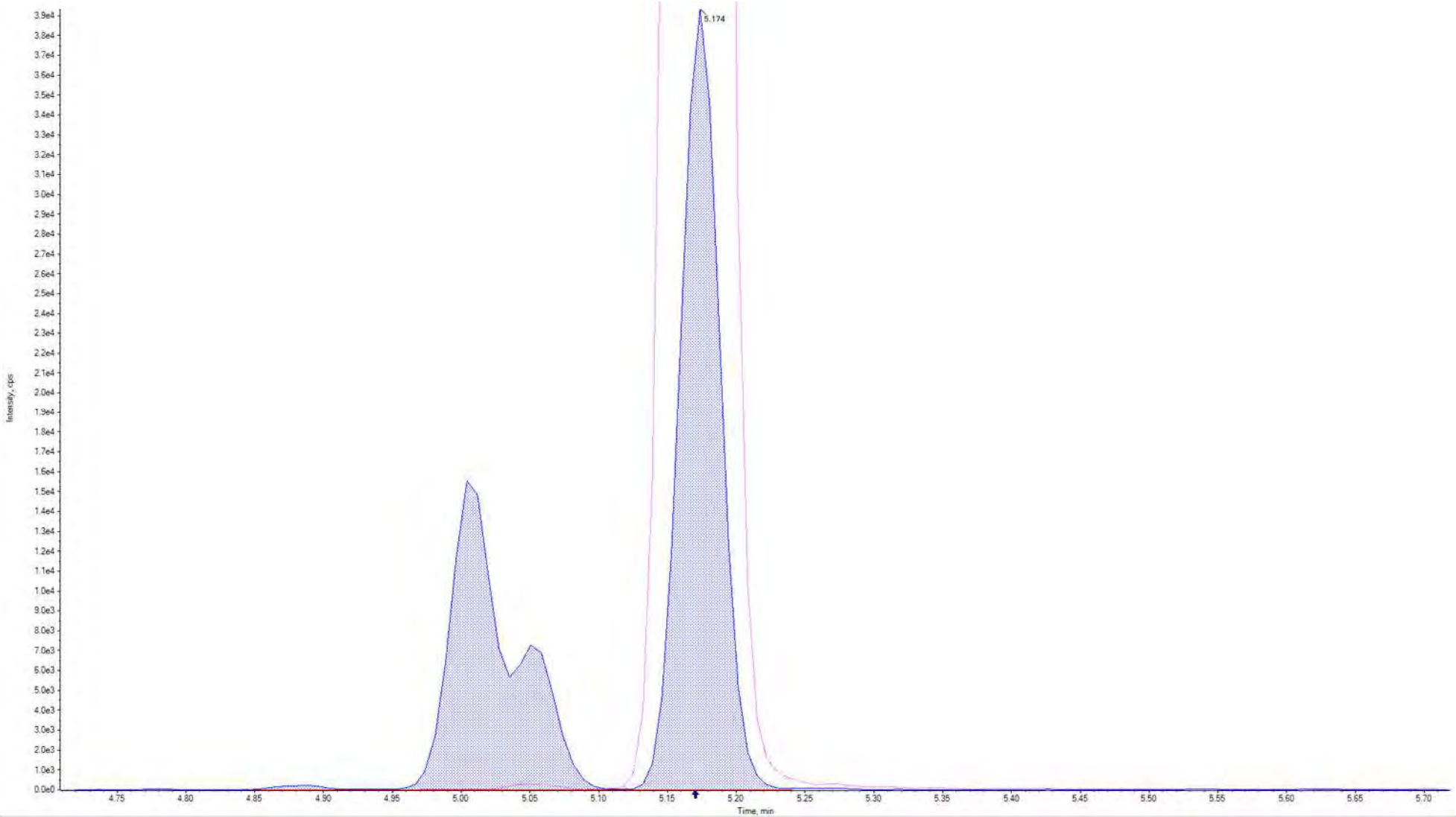
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_22.wiff2_7
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFOSA
Sample: IA1633STD-25 S/N:371.6 Points Across peak:65



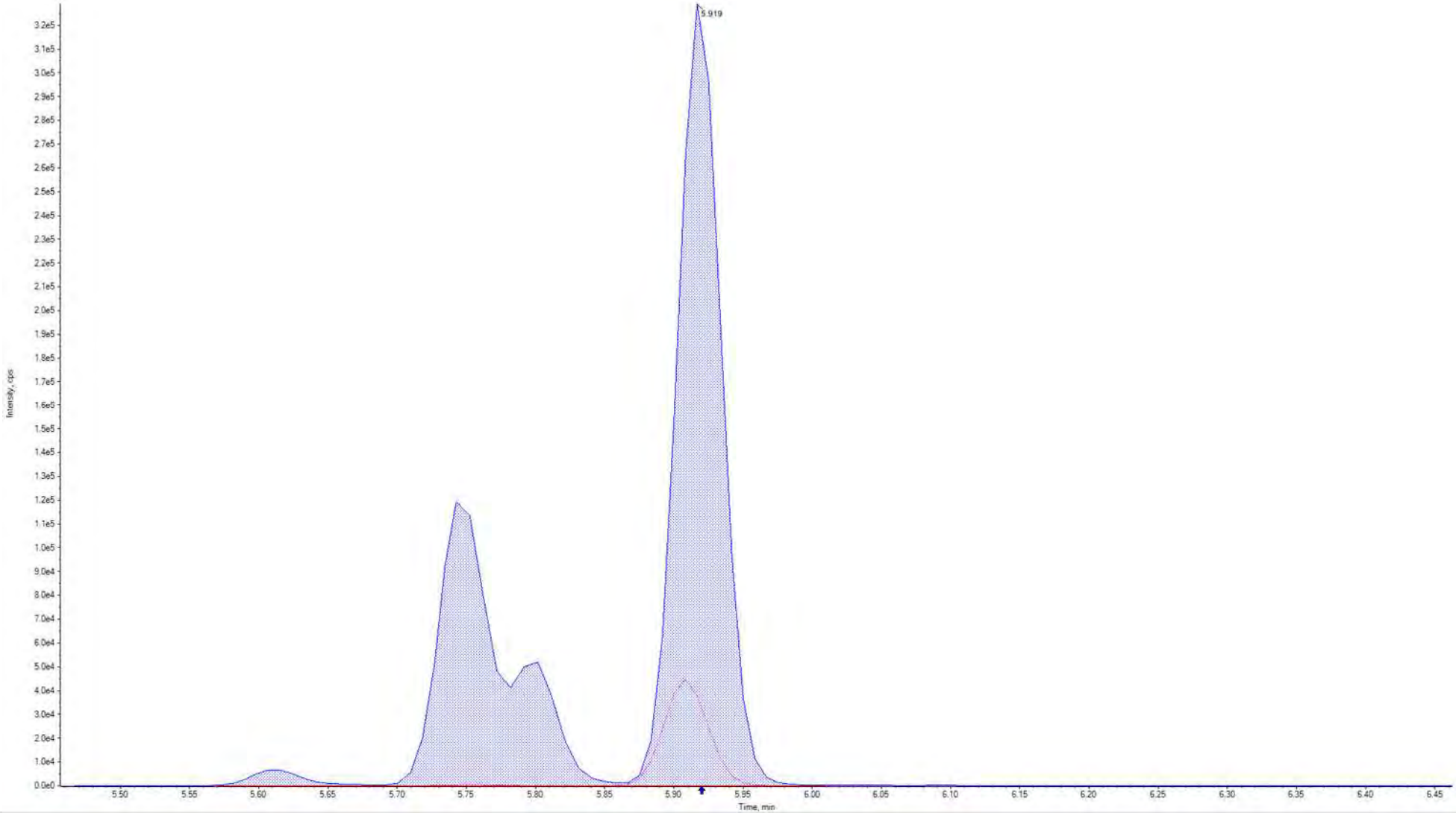
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_22.wiff2_7
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFOSA_2
Sample: IA1633STD-25 S/N:470.7 Points Across peak:58



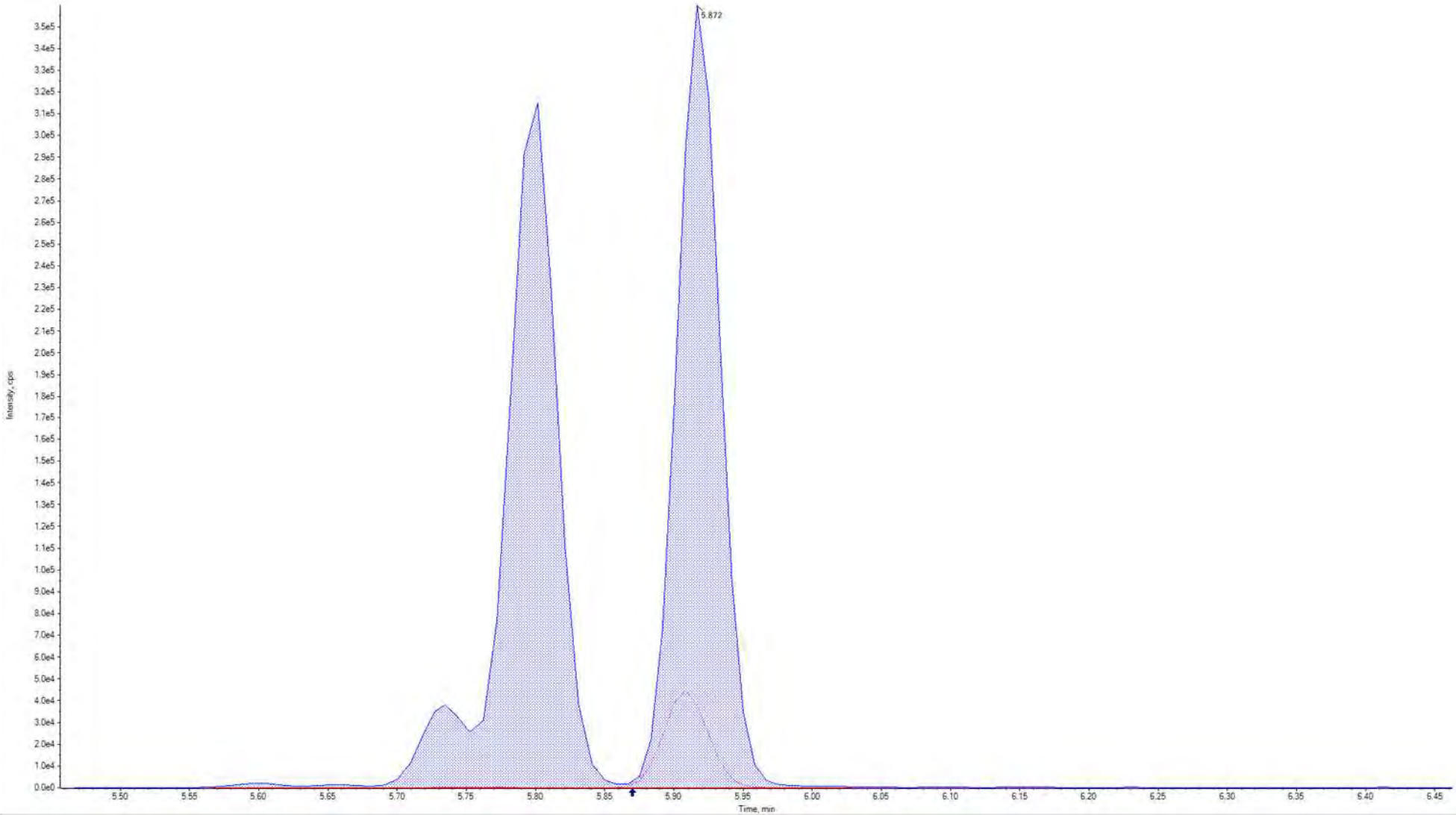
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_22.wiff2_7
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NMeFOSA
Sample: IA1633STD-25 S/N:335.6 Points Across peak:52



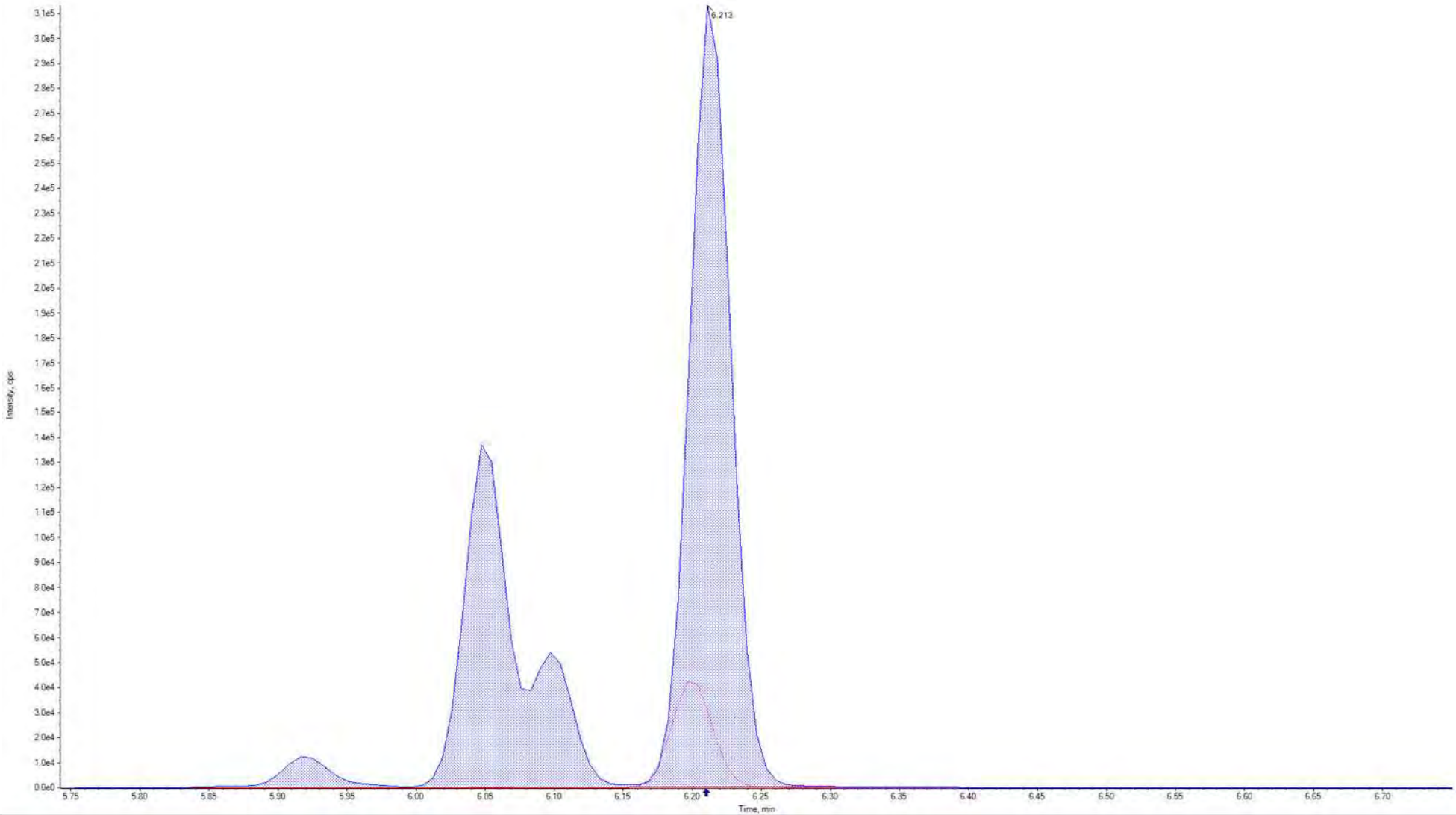
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_22.wiff2_7
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NMeFOSA_2
Sample: IA1633STD-25 S/N:272.0 Points Across peak:56



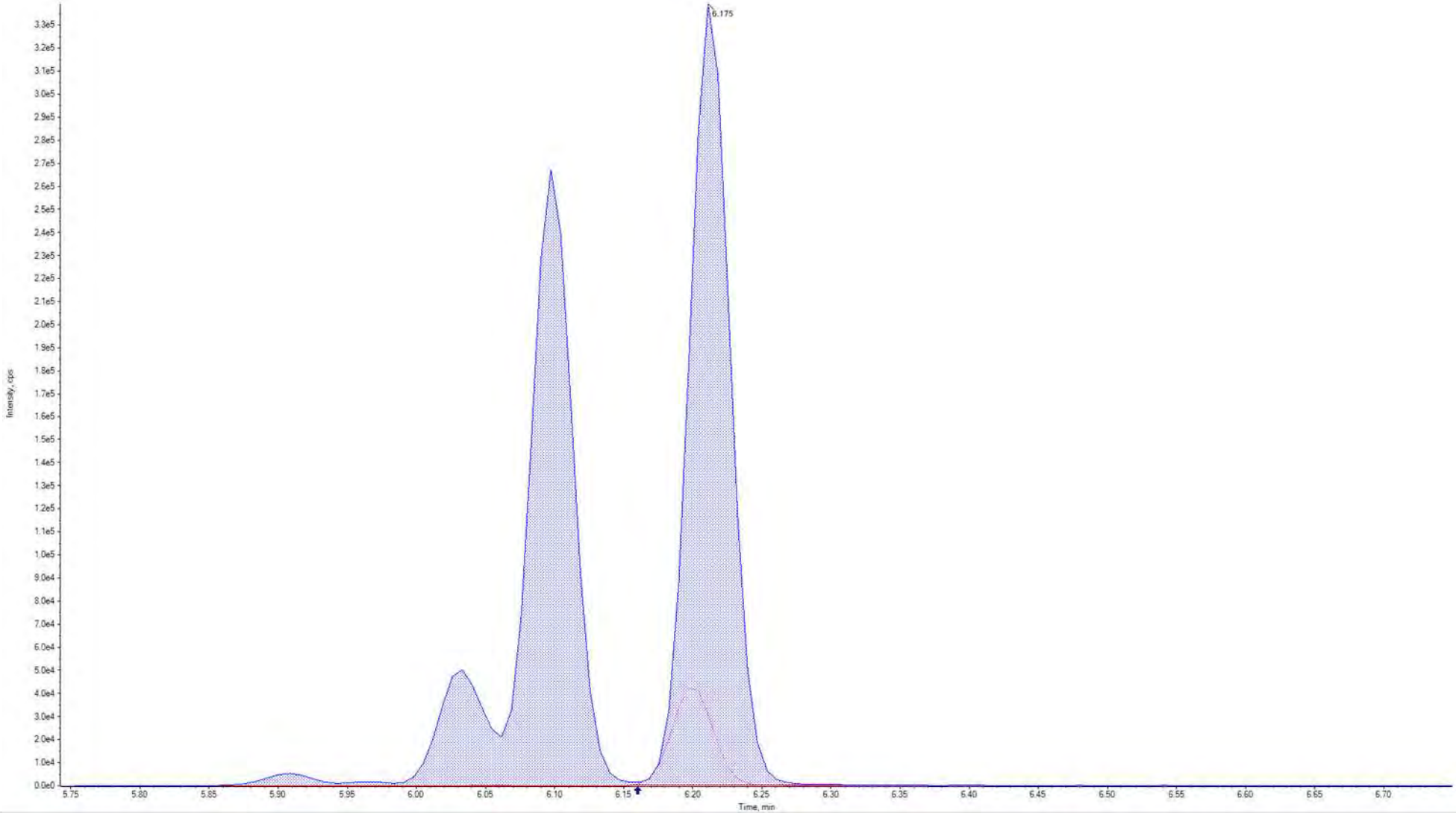
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_22.wiff2_7
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NEtFOSA
Sample: IA1633STD-25 S/N:724.0 Points Across peak:77



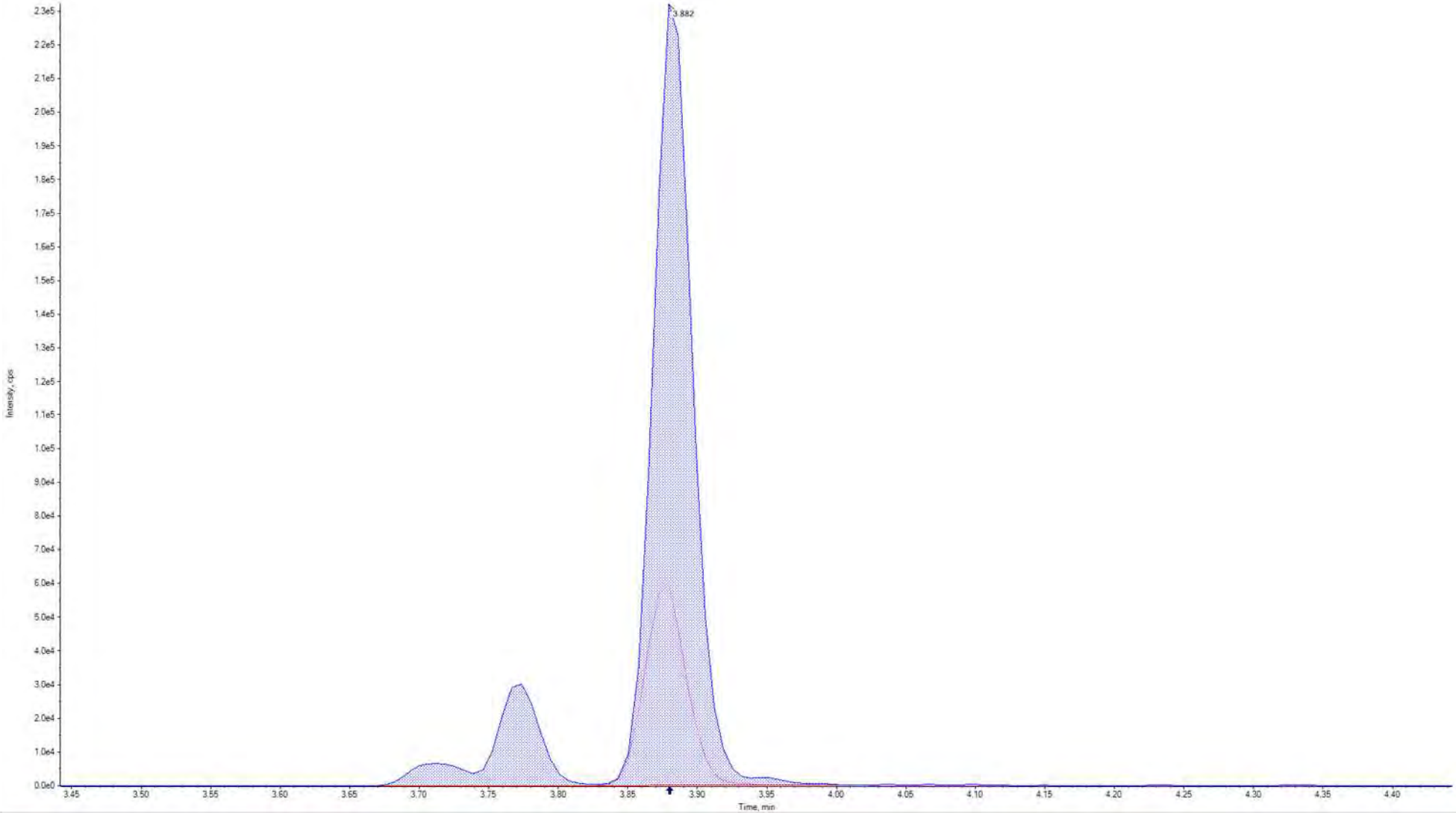
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_22.wiff2_7
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NEtFOSA_2
Sample: IA1633STD-25 S/N:613.2 Points Across peak:70



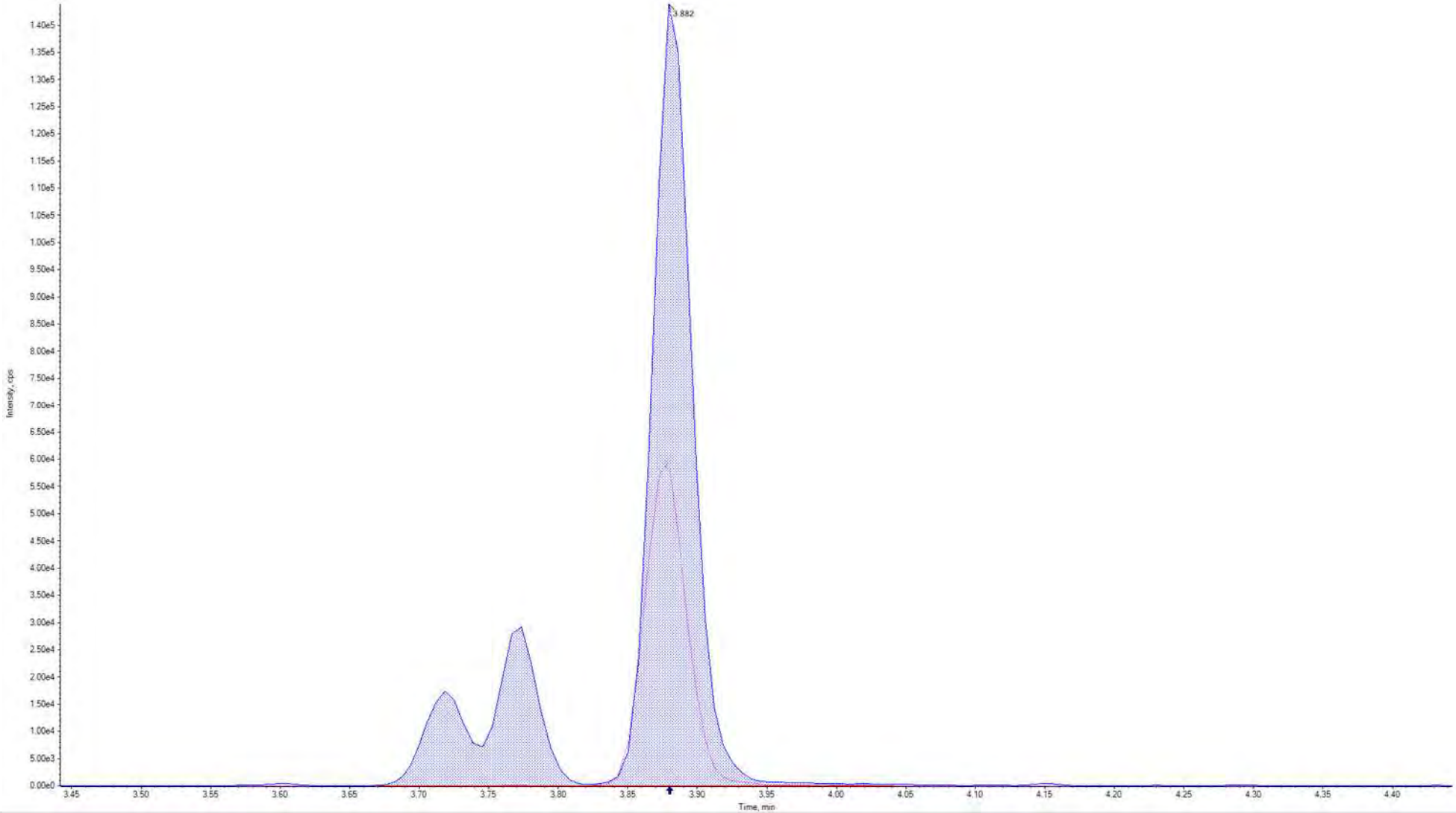
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_22.wiff2_7
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NMeFOSAA
Sample: IA1633STD-25 S/N:798.0 Points Across peak:54



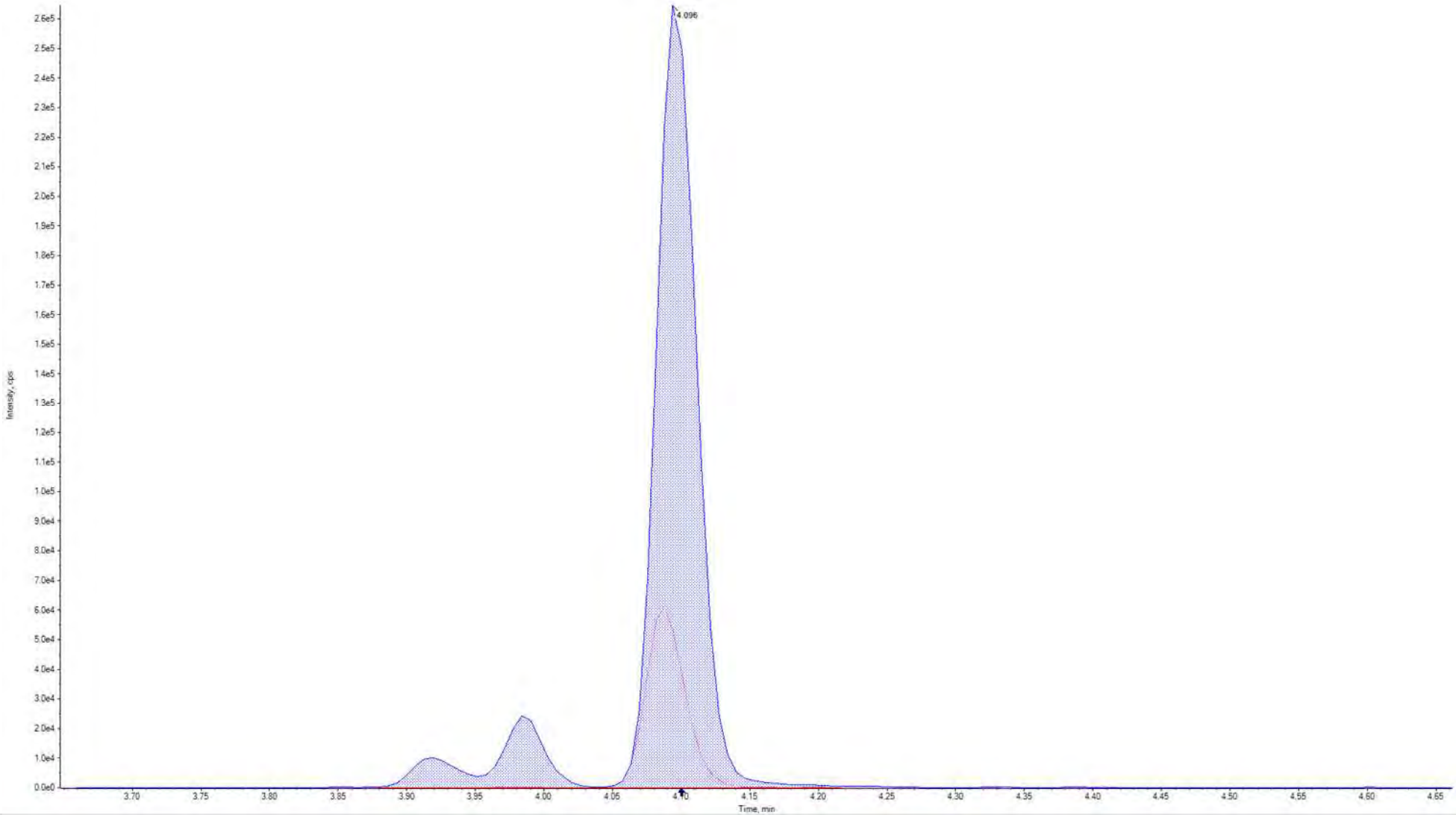
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_22.wiff2_7
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NMeFOSAA_2
Sample: IA1633STD-25 S/N:538.5 Points Across peak:59



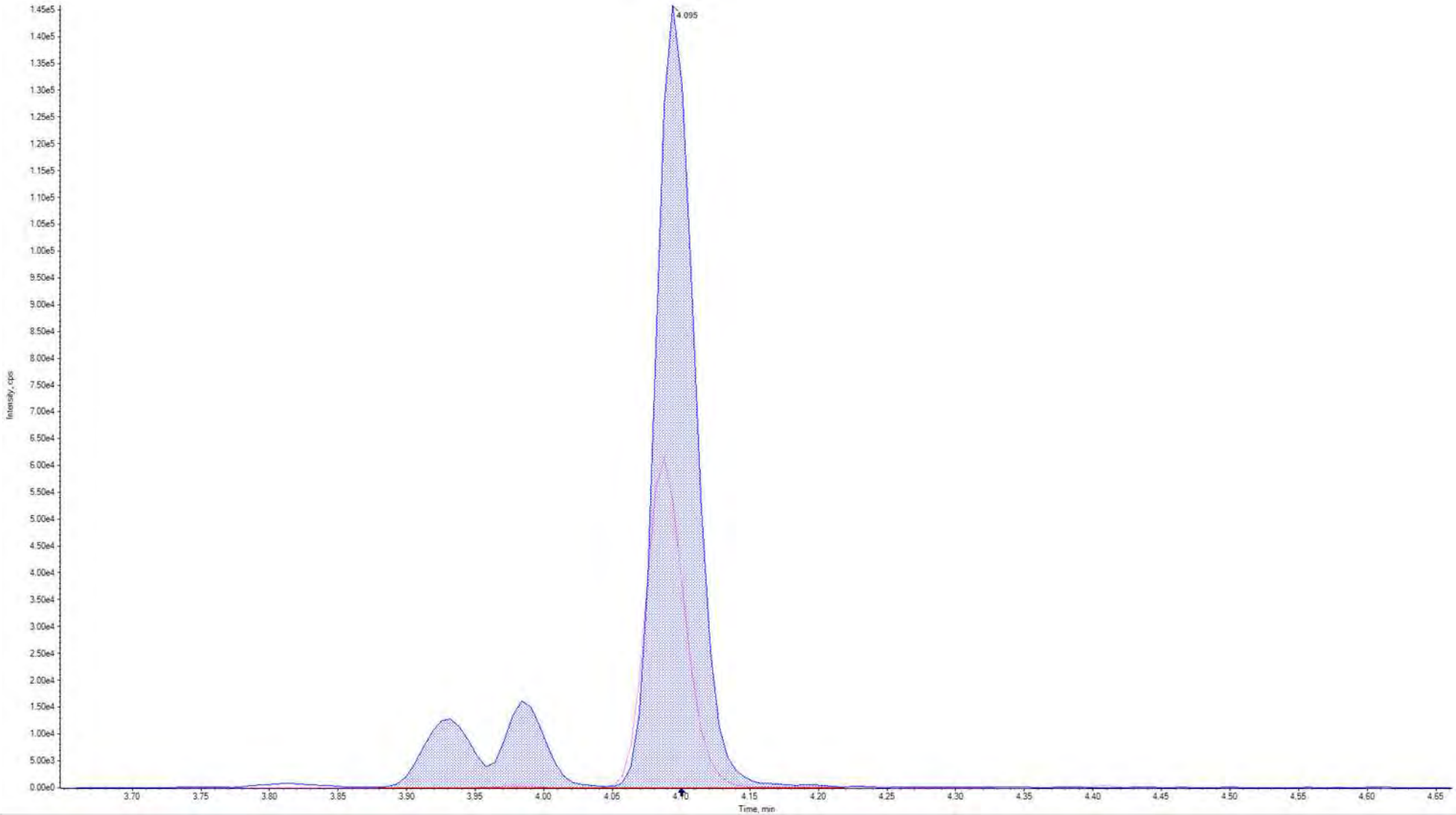
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_22.wiff2_7
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NEtFOSAA
Sample: IA1633STD-25 S/N:837.9 Points Across peak:56



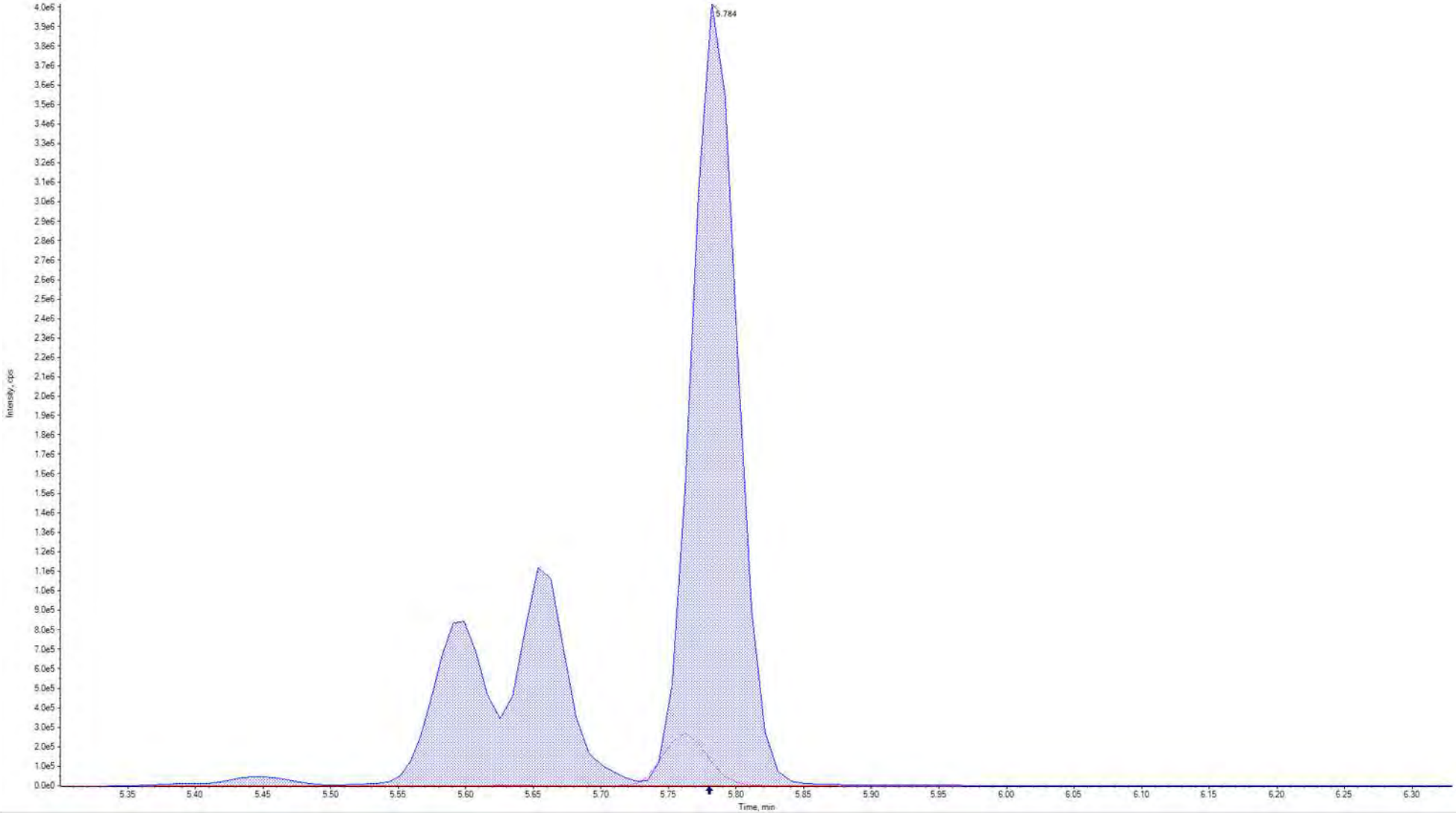
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_22.wiff2_7
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NEtFOSAA_2
Sample: IA1633STD-25 S/N:479.7 Points Across peak:56



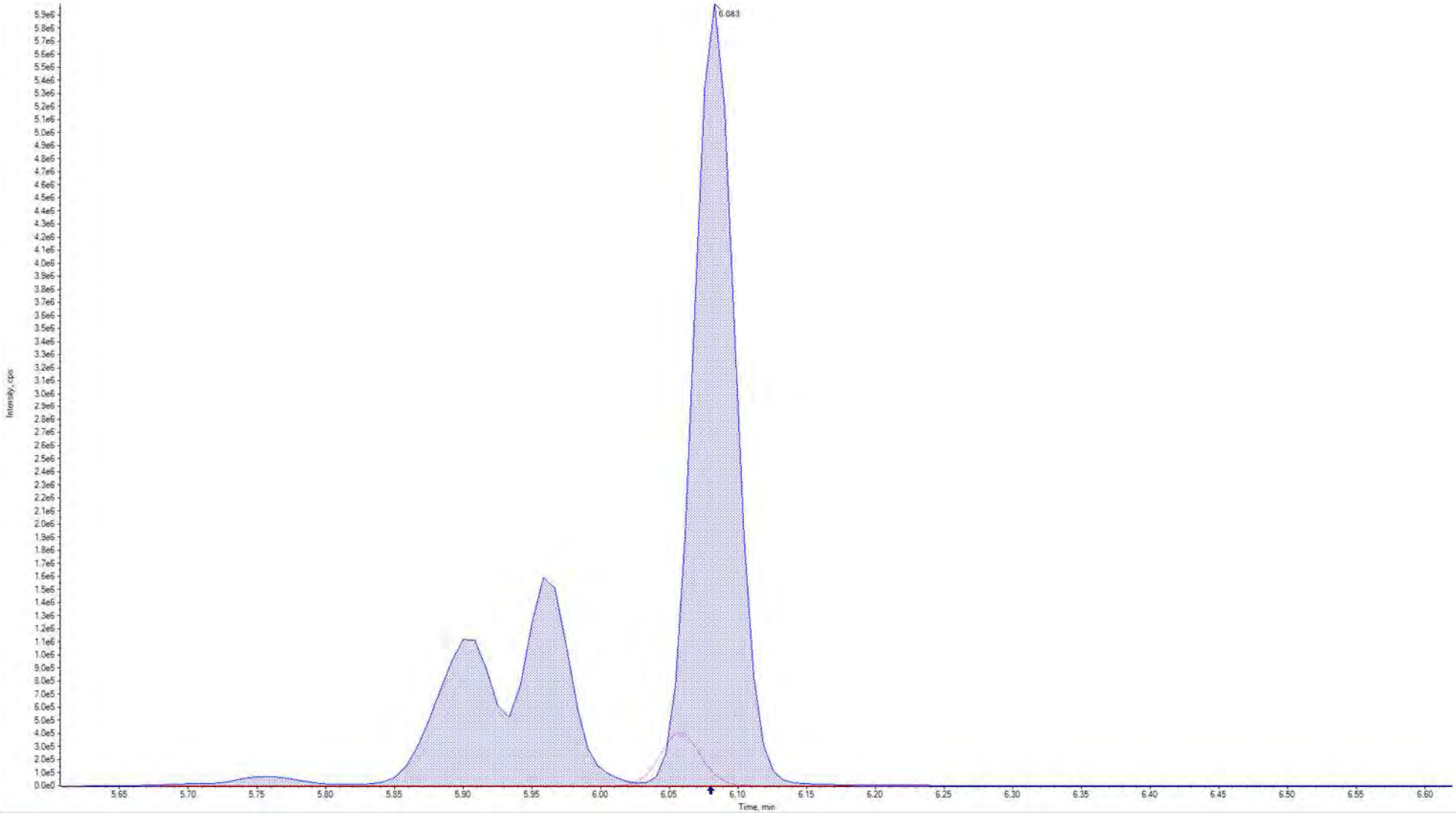
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_22.wiff2_7
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NMeFOSE
Sample: IA1633STD-25 S/N:253.9 Points Across peak:61



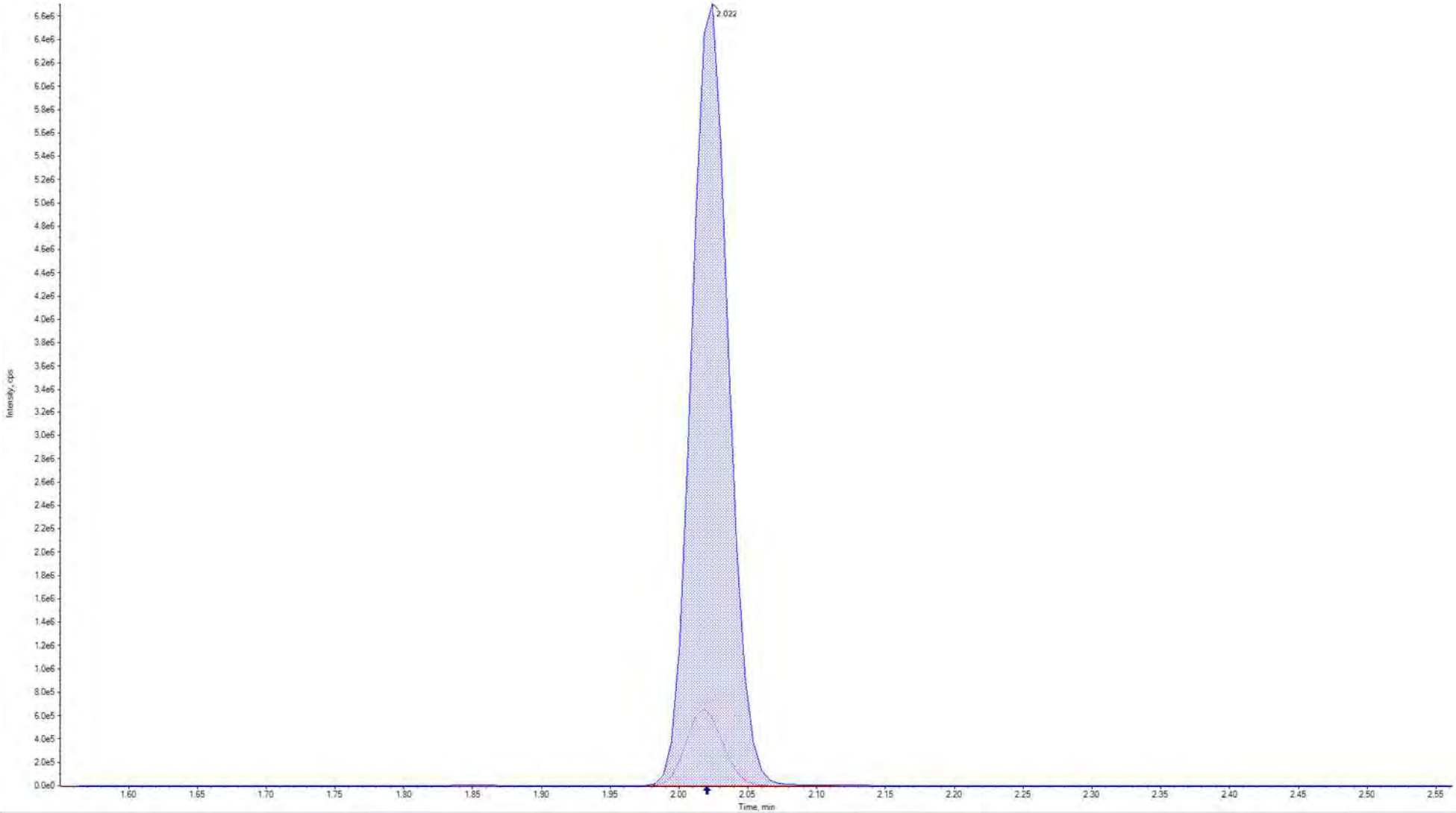
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_22.wiff2_7
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NEtFOSE
Sample: IA1633STD-25 S/N:386.3 Points Across peak:64



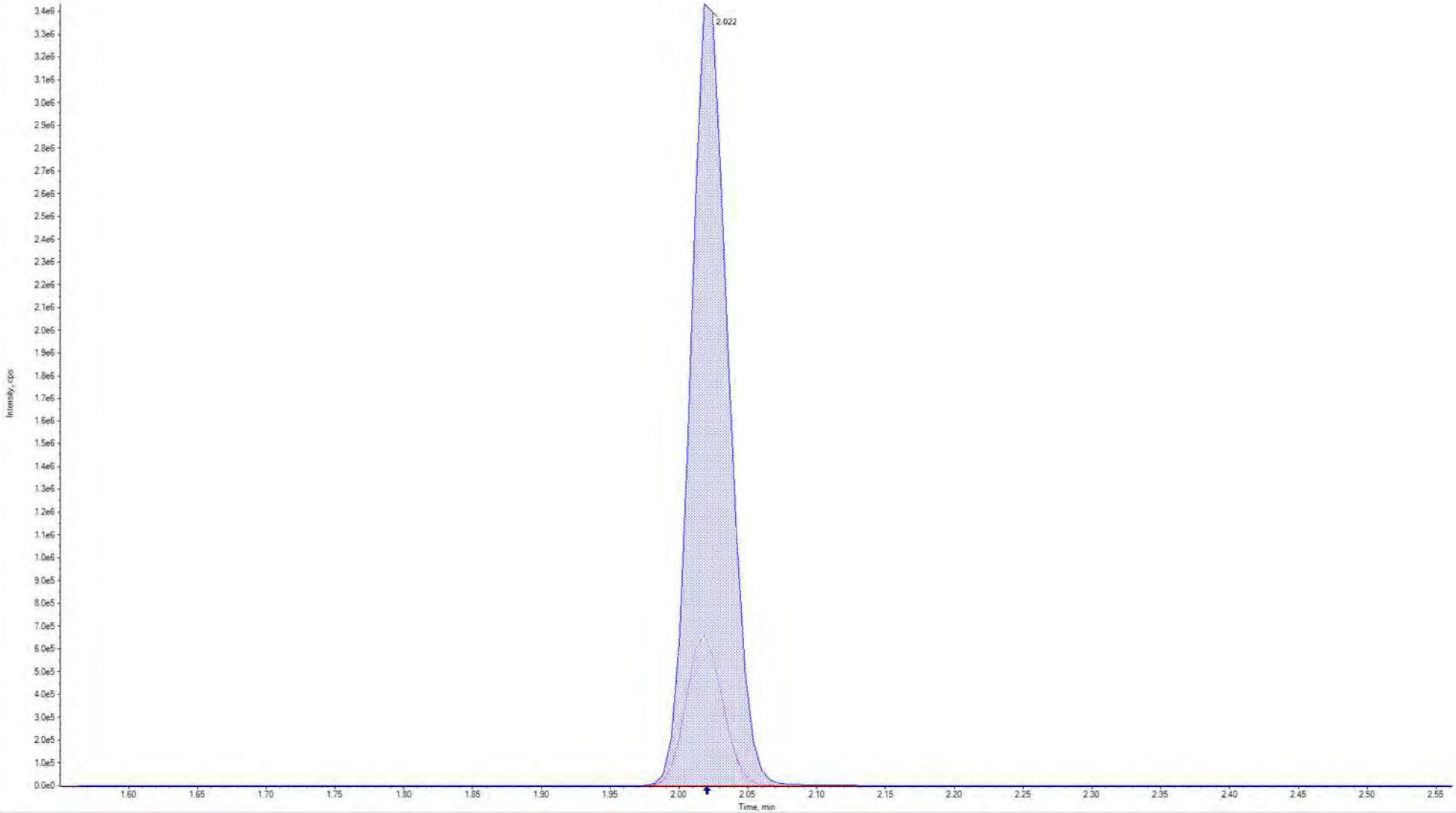
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_22.wiff2_7
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

HFPO-DA
Sample: IA1633STD-25 S/N:151270.2 Points Across peak:27



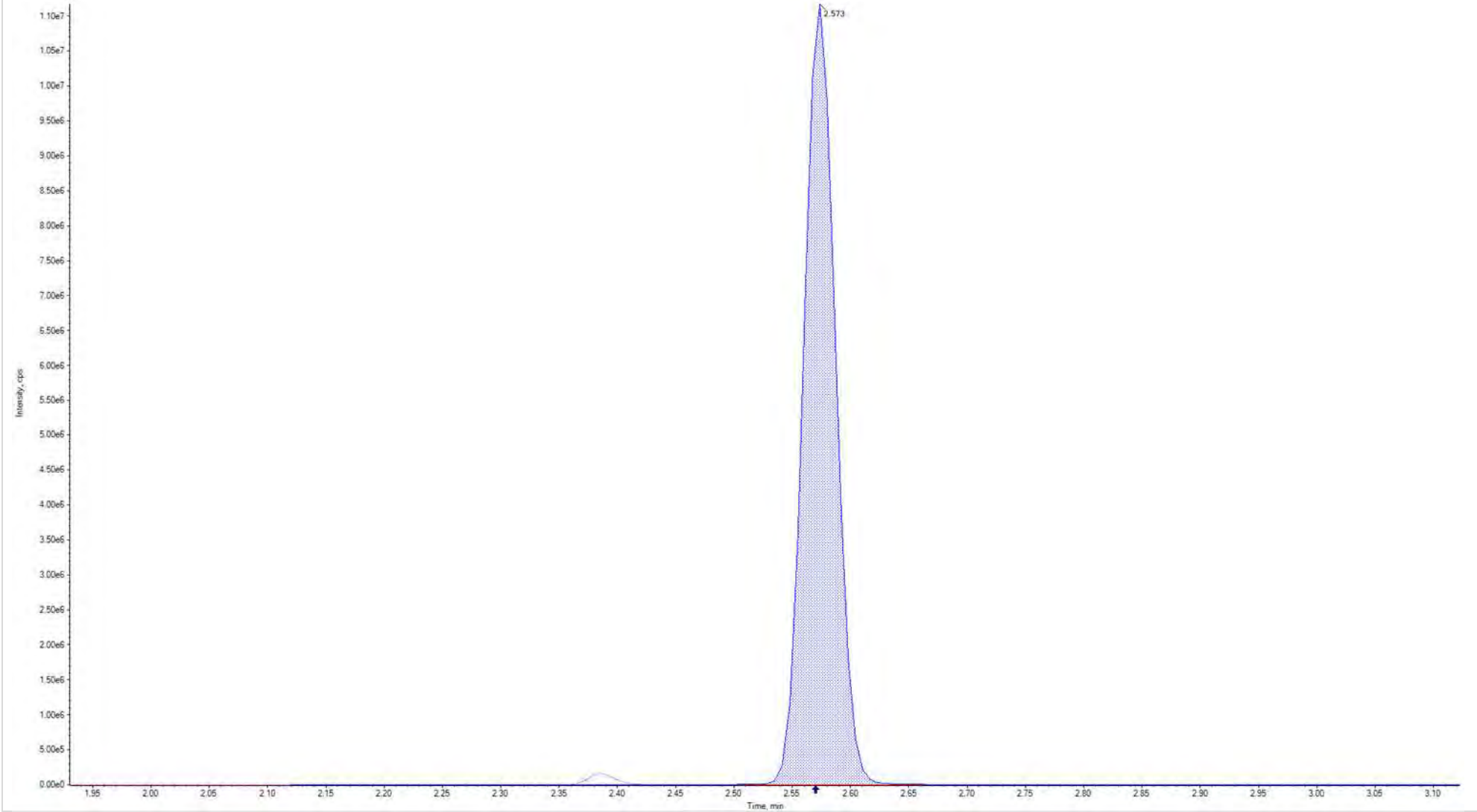
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_22.wiff2_7
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

HFPO-DA_2
Sample: IA1633STD-25 S/N:77446.8 Points Across peak:33



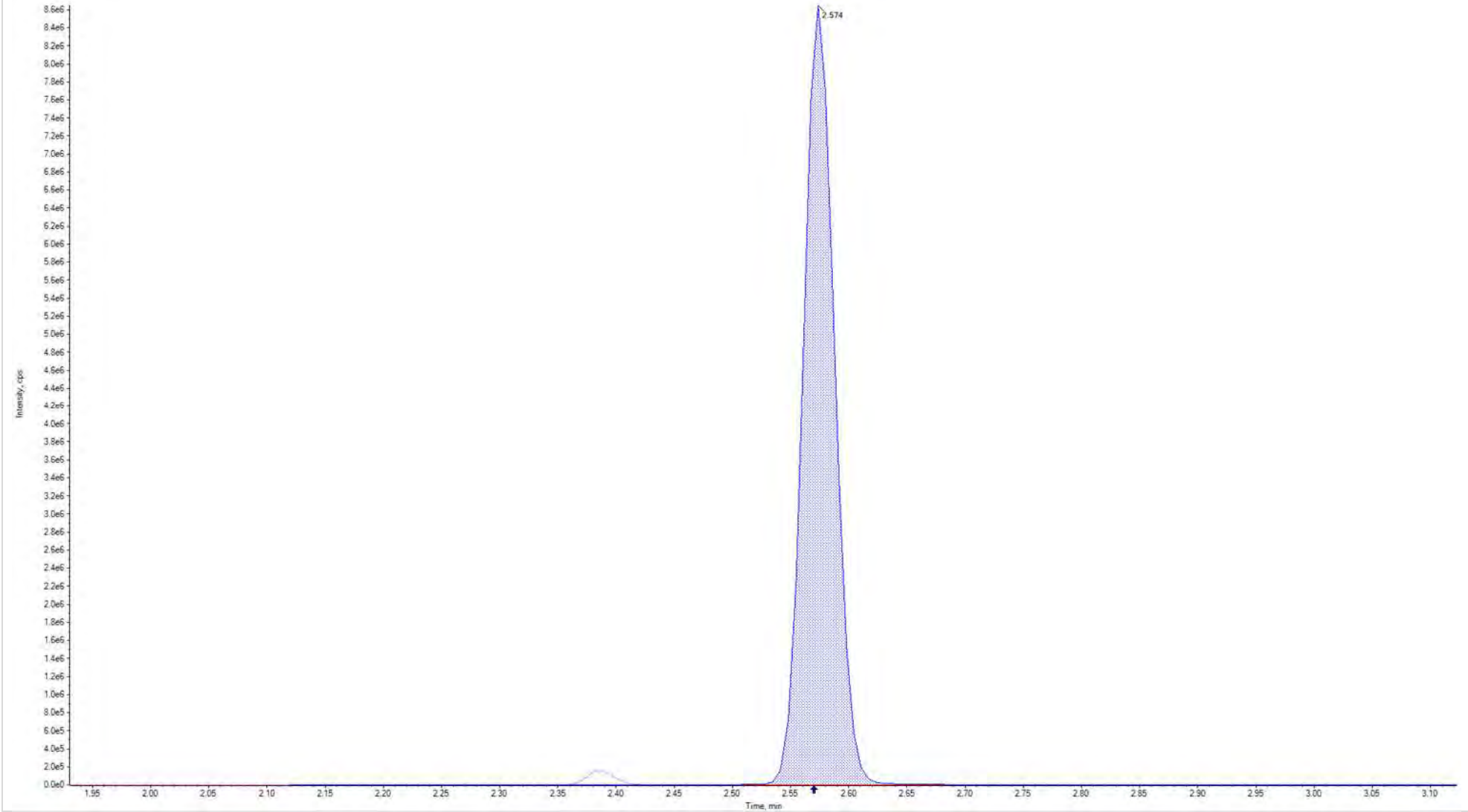
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_22.wiff2_7
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

ADONA
Sample: IA1633STD-25 S/N:224056.2 Points Across peak:52



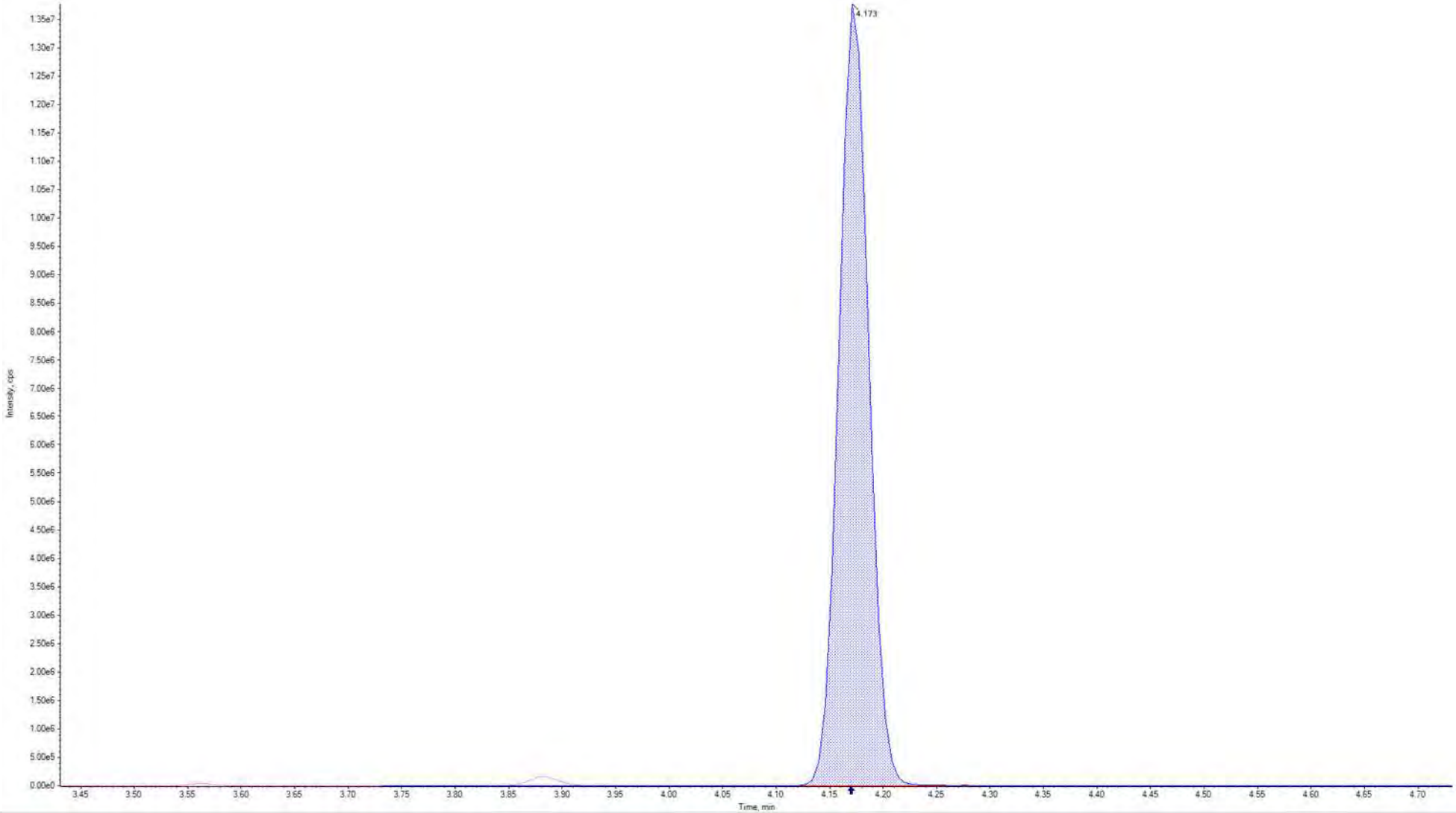
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_22.wiff2_7
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

ADONA_2
Sample: IA1633STD-25 S/N:173413.4 Points Across peak:41



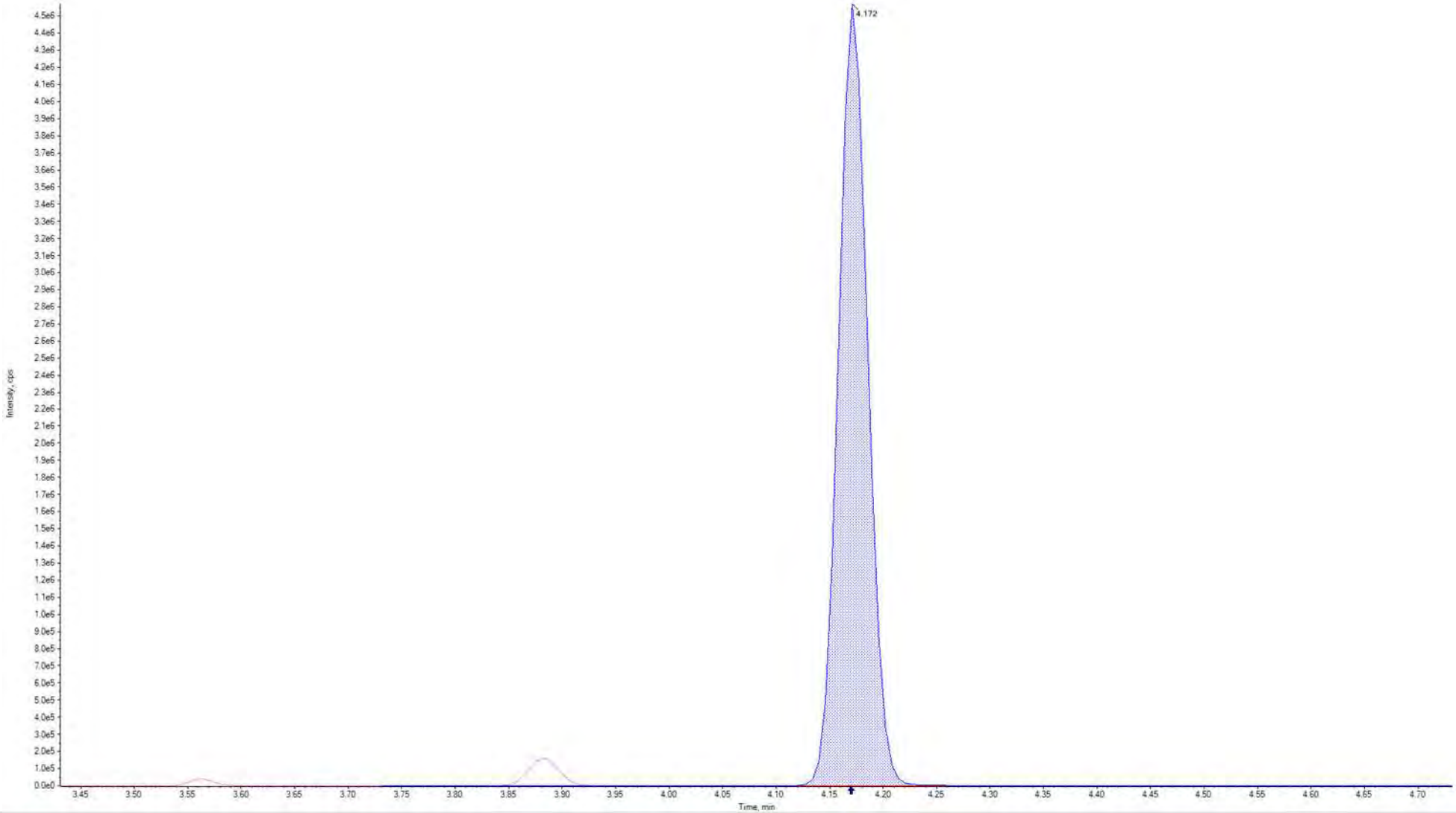
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_22.wiff2_7
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

9Cl-PF3ONS
Sample: IA1633STD-25 S/N:8966.1 Points Across peak:52



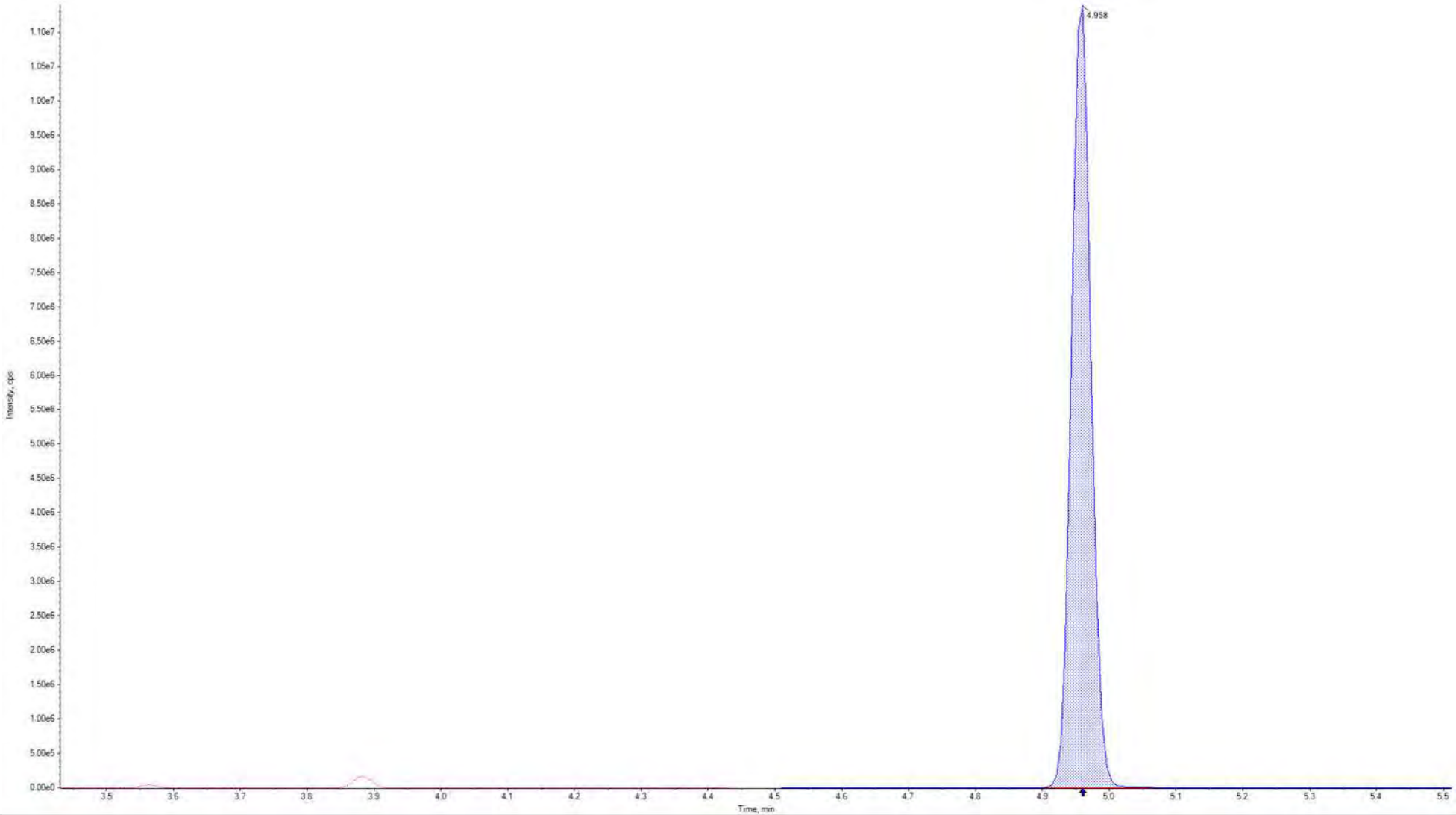
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_22.wiff2_7
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

9Cl-PF3ONS_2
Sample: IA1633STD-25 S/N:7545.6 Points Across peak:33



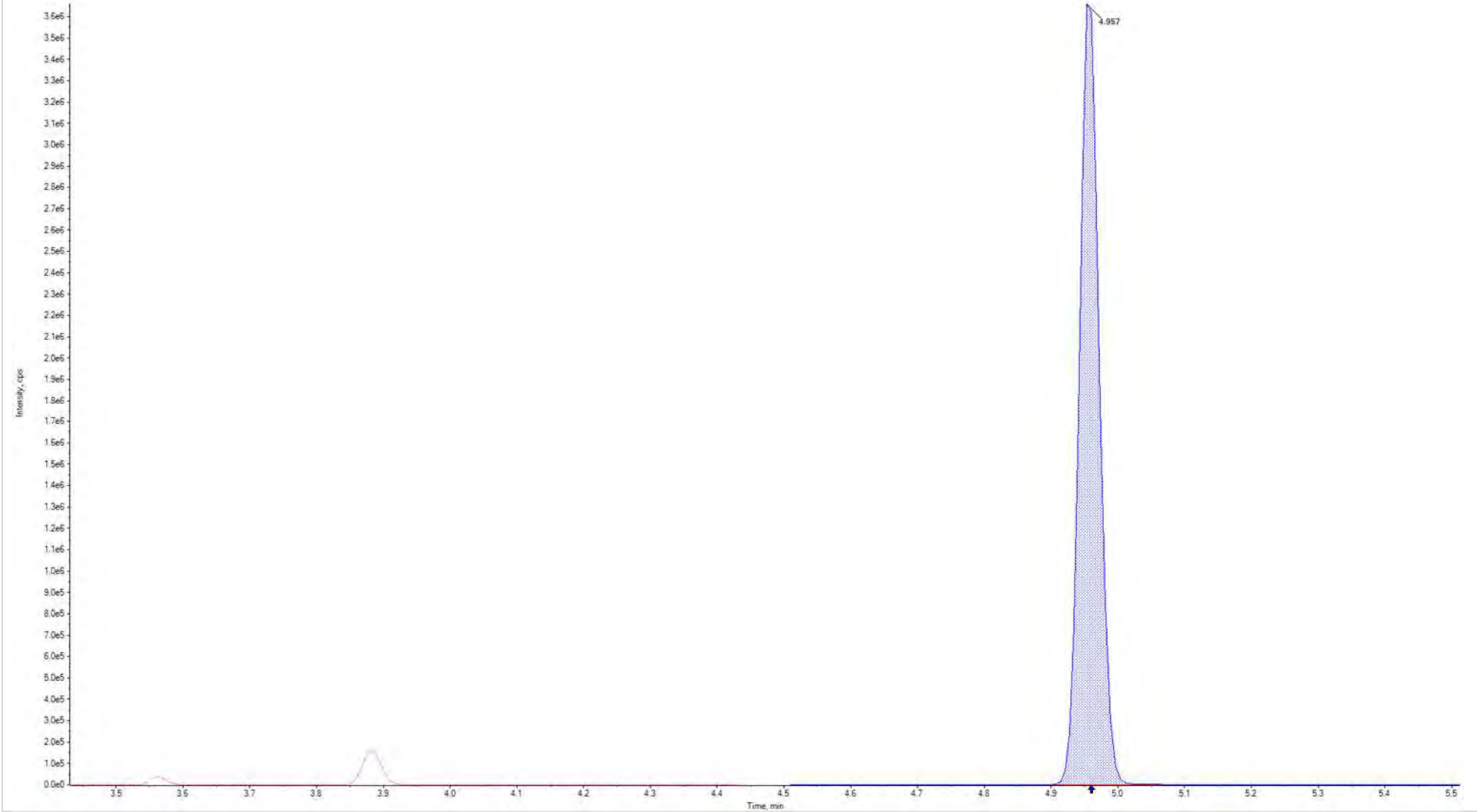
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_22.wiff2_7
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

11Cl-PF3OUdS
Sample: IA1633STD-25 S/N:8646.4 Points Across peak:42



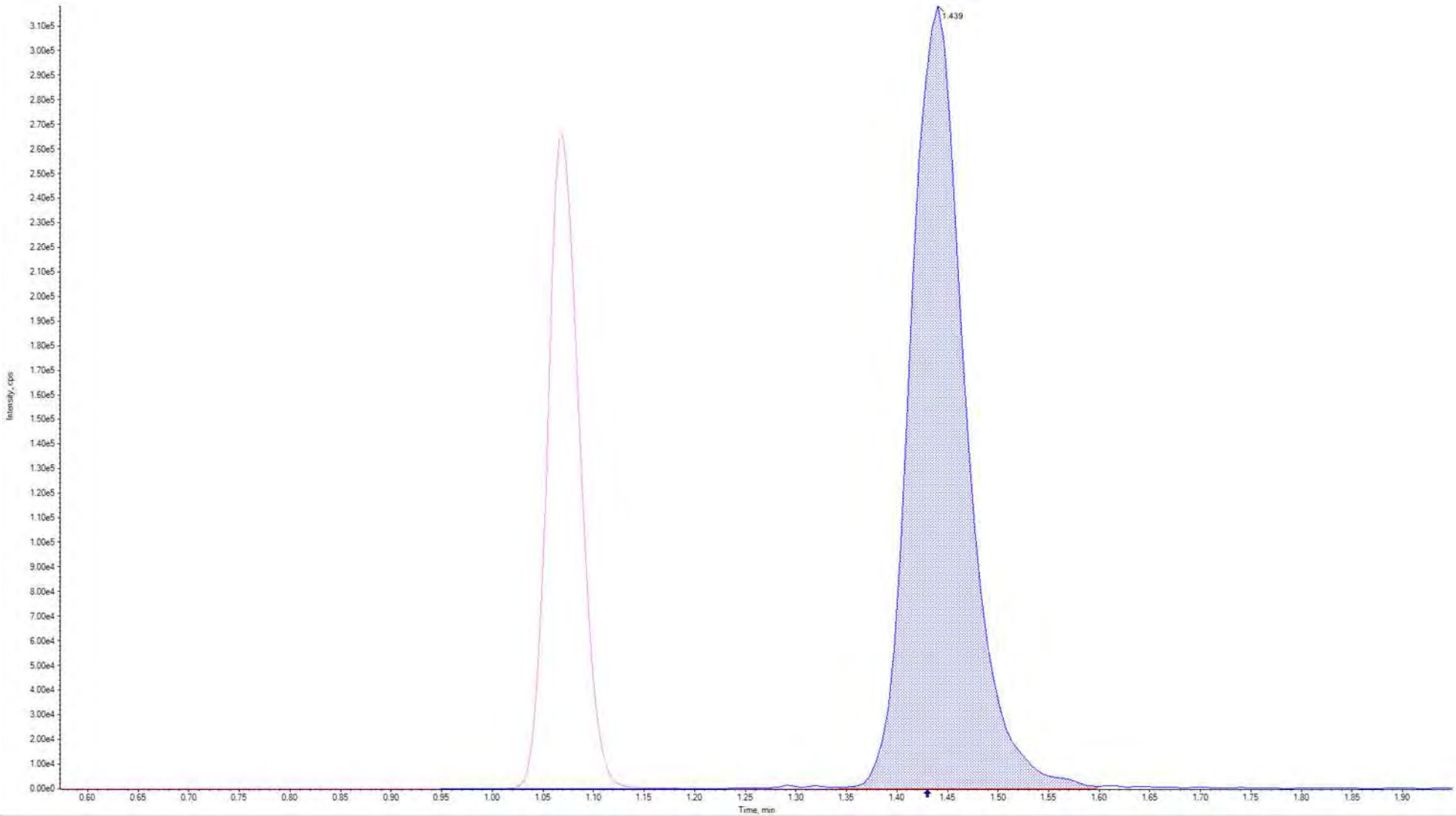
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_22.wiff2_7
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

11Cl-PF3OUdS_2
Sample: IA1633STD-25 S/N:8470.6 Points Across peak:36



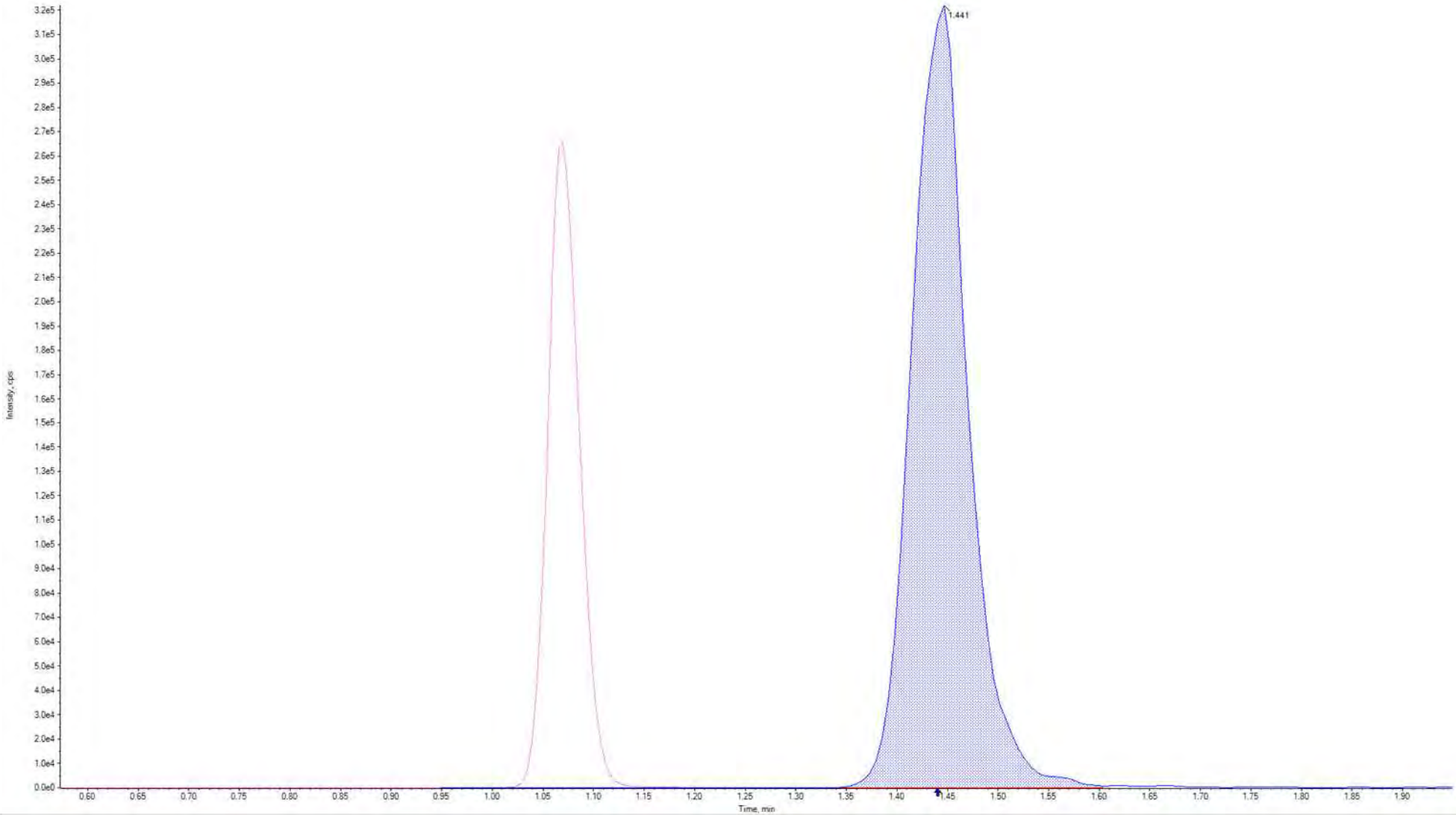
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_22.wiff2_7
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

3:3FTCA
Sample: IA1633STD-25 S/N:2461.9 Points Across peak:43



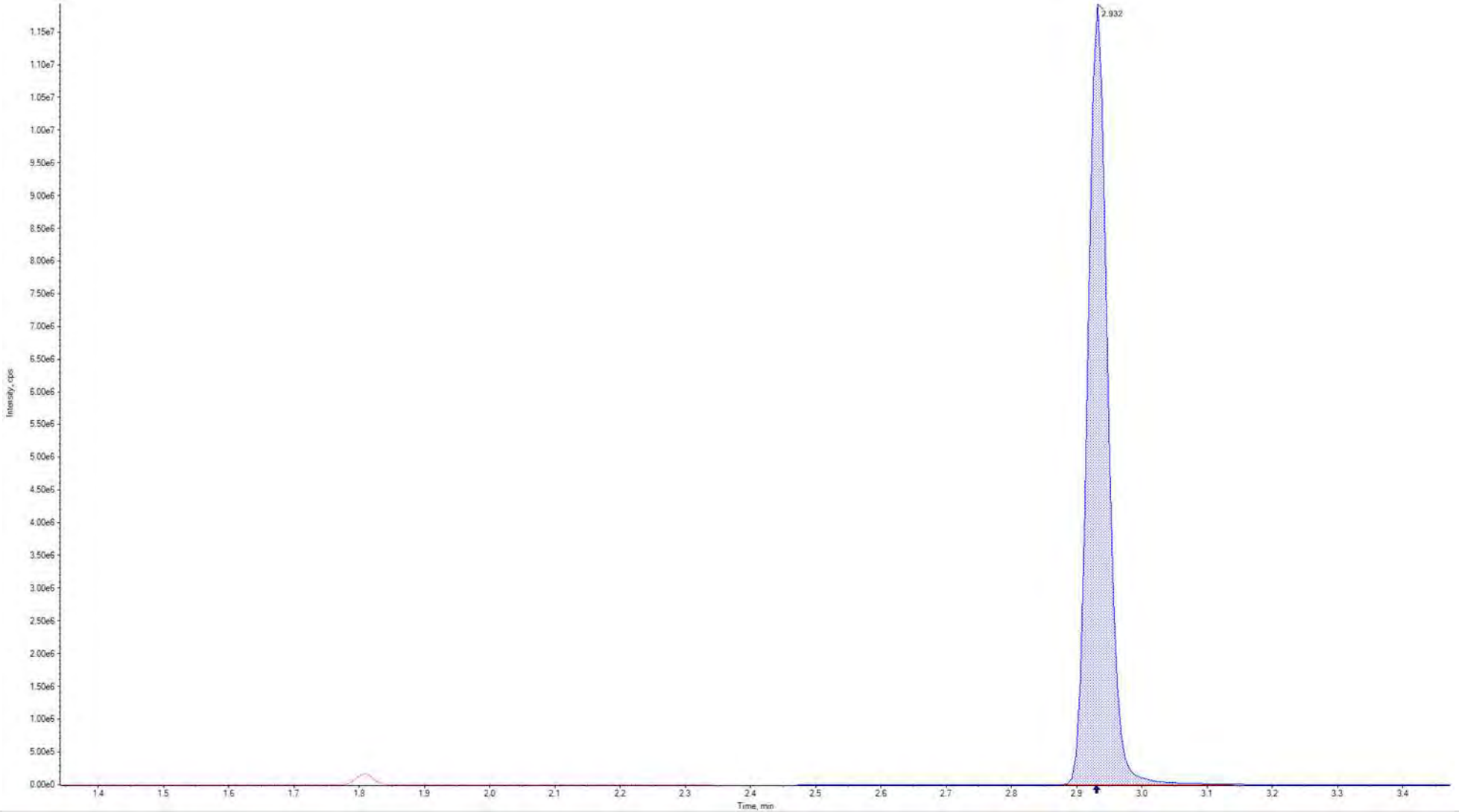
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_22.wiff2_7
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

3:3FTCA_2
Sample: IA1633STD-25 S/N:4252.8 Points Across peak:45



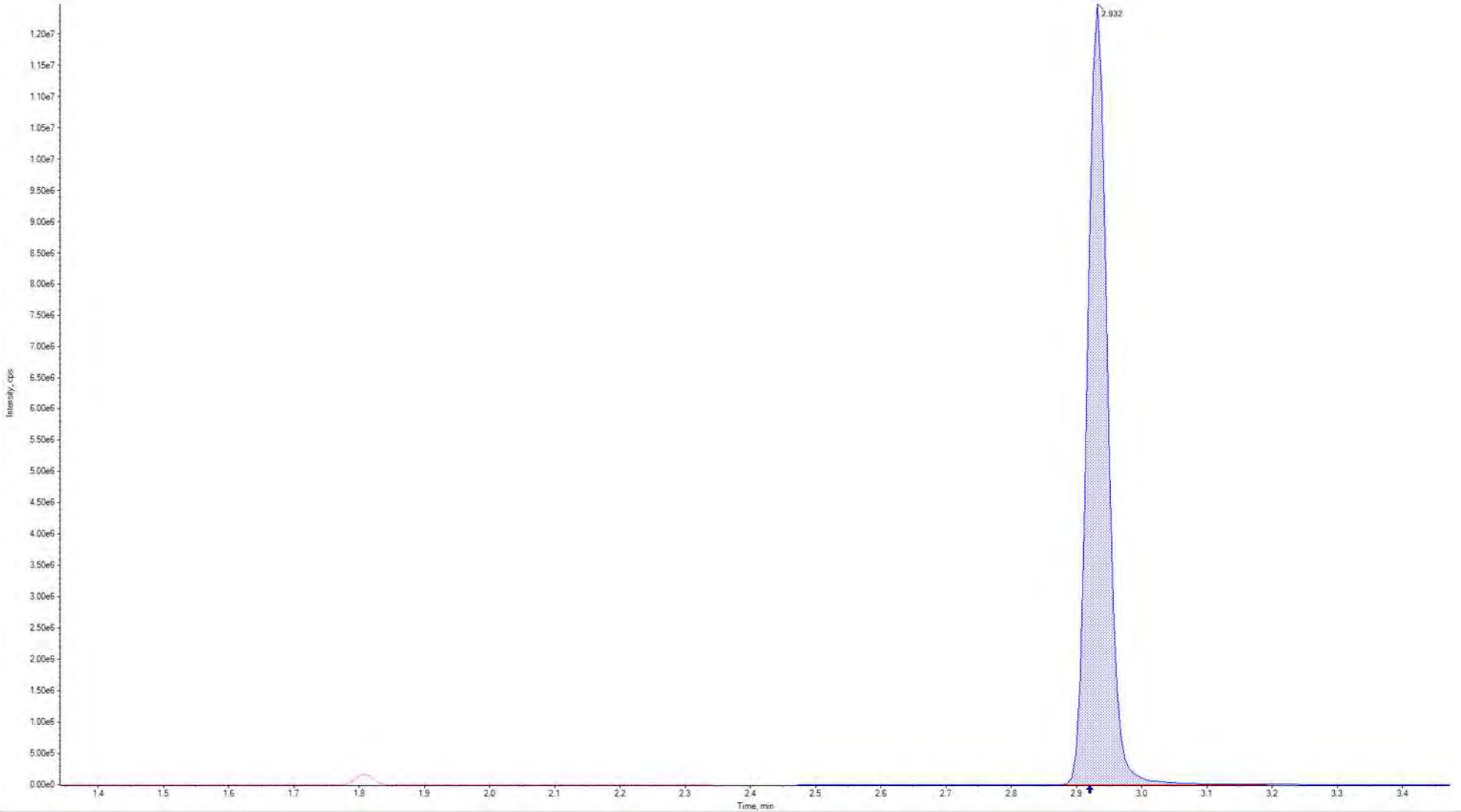
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_22.wiff2_7
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

5:3FTCA
Sample: IA1633STD-25 S/N:232637.0 Points Across peak:47



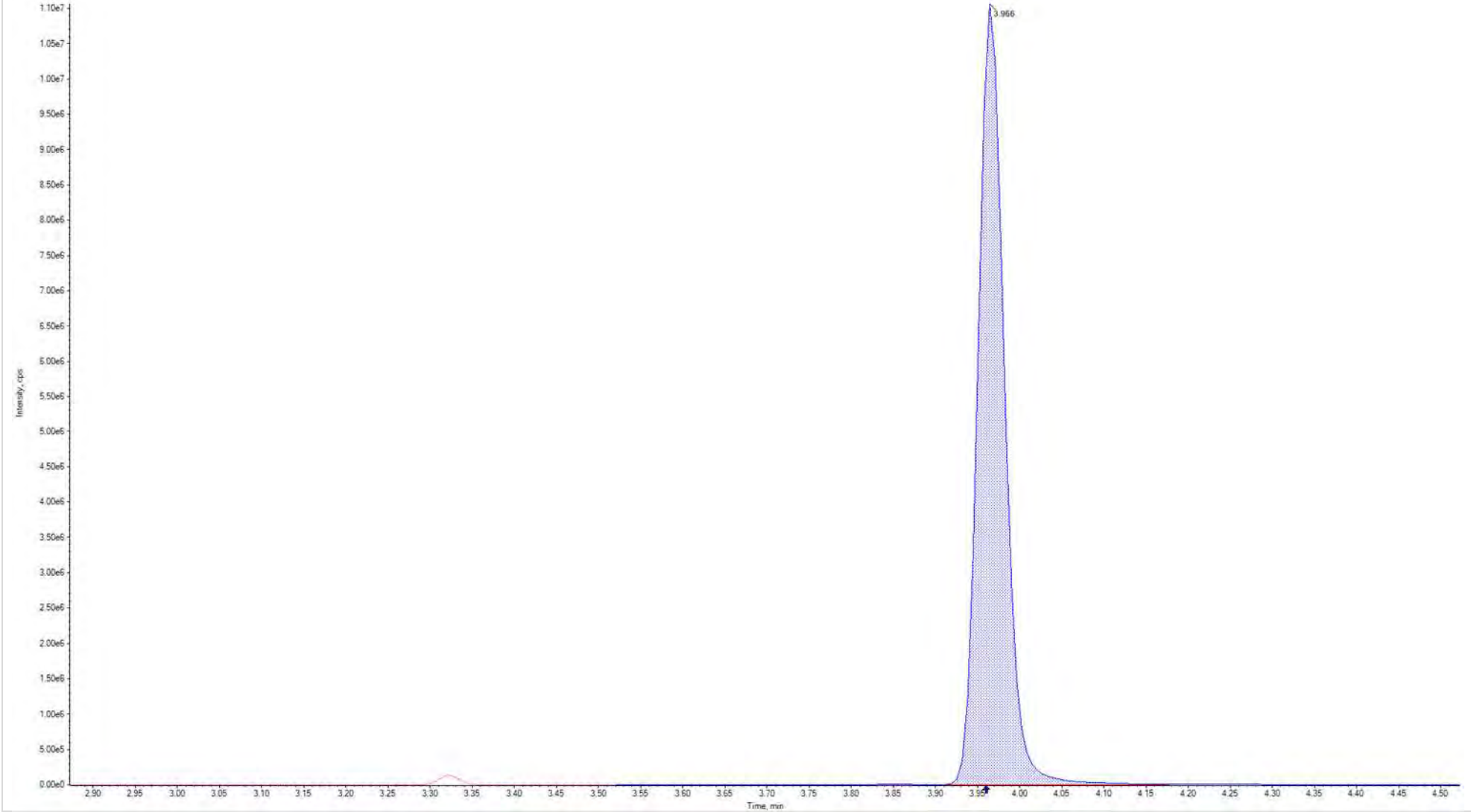
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_22.wiff2_7
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

5:3FTCA_2
Sample: IA1633STD-25 S/N:68724.6 Points Across peak:56



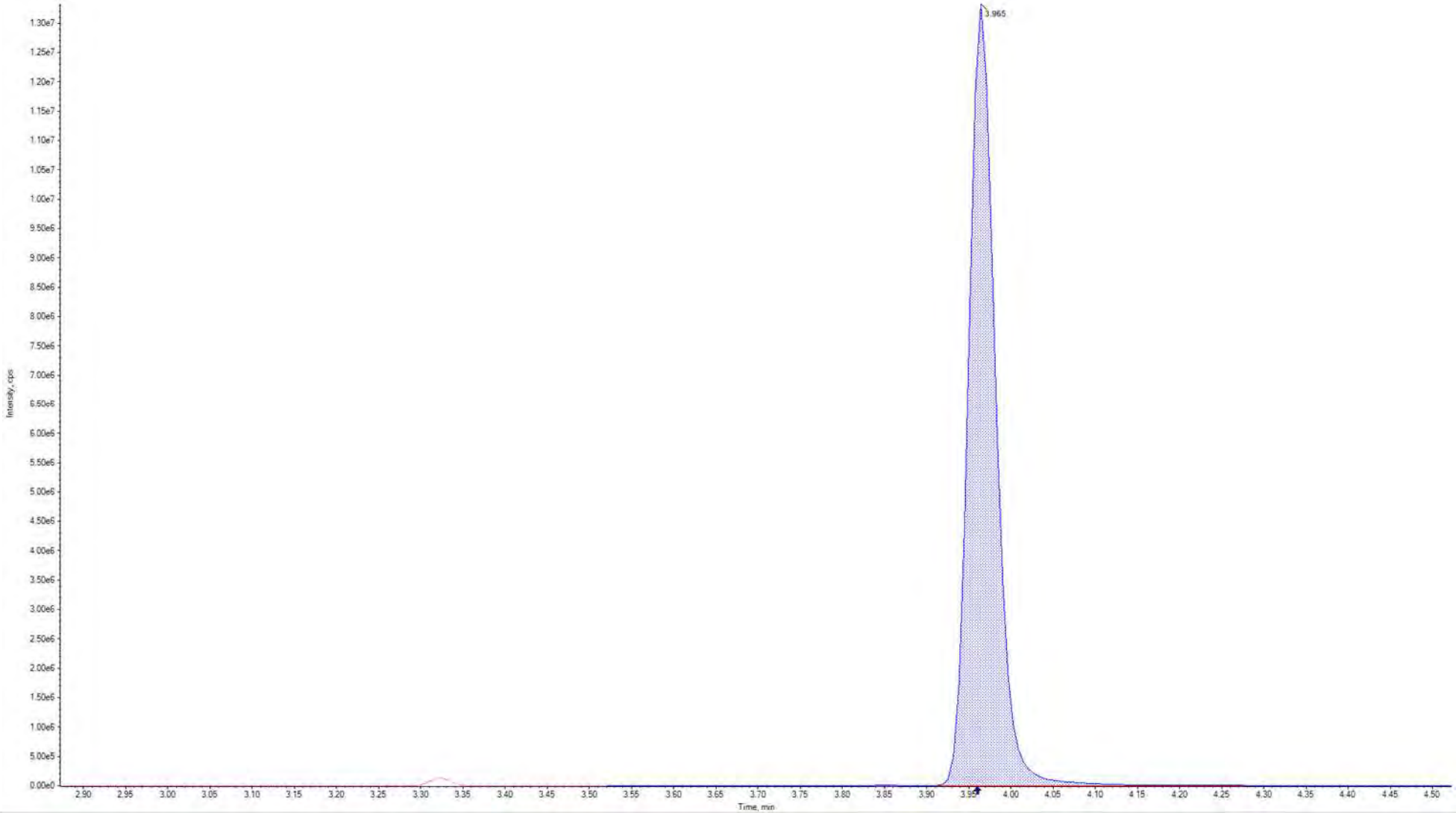
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_22.wiff2_7
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

7:3FTCA
Sample: IA1633STD-25 S/N:56310.1 Points Across peak:45



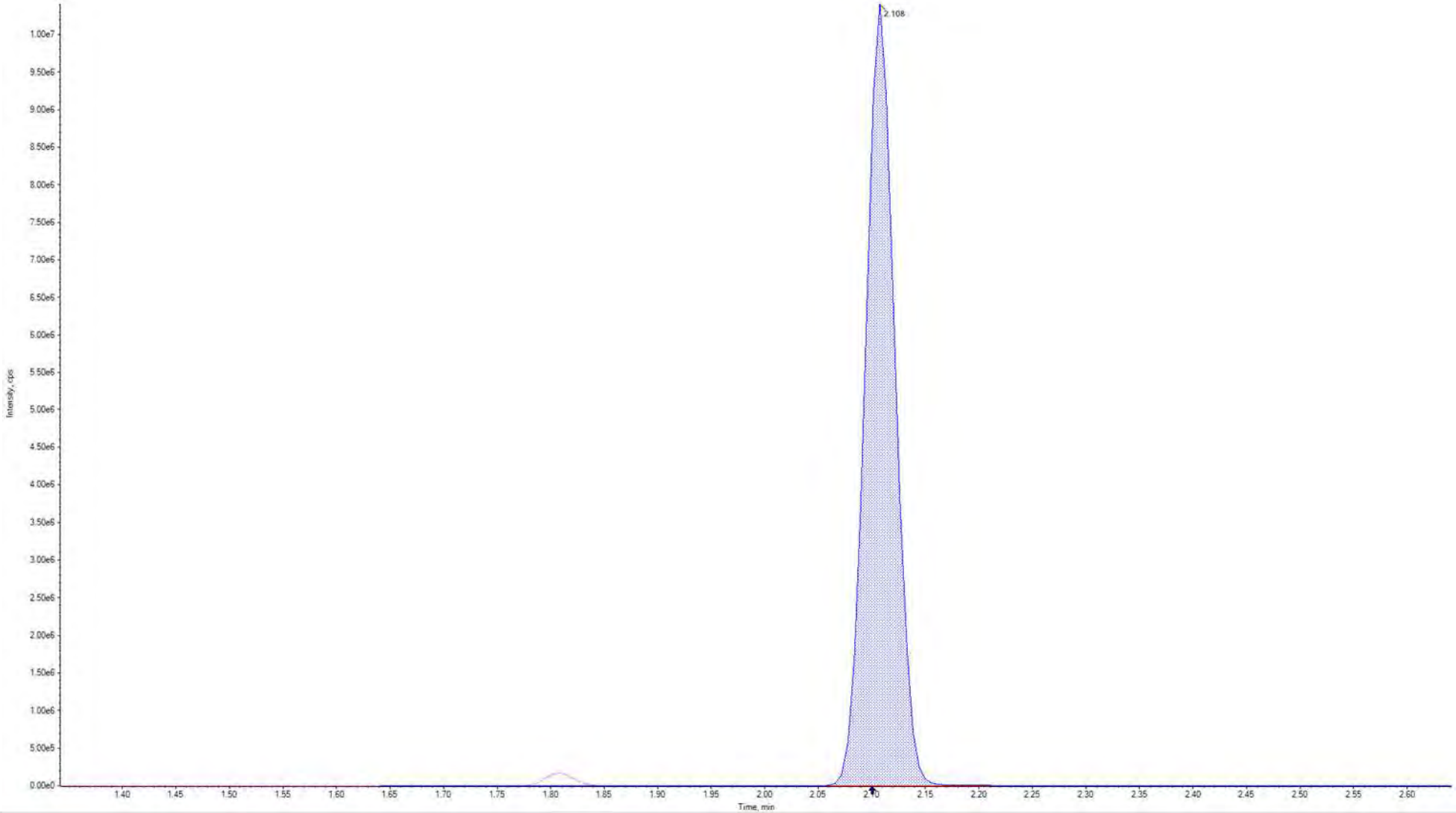
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_22.wiff2_7
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

7:3FTCA_2
Sample: IA1633STD-25 S/N:34550.0 Points Across peak:66



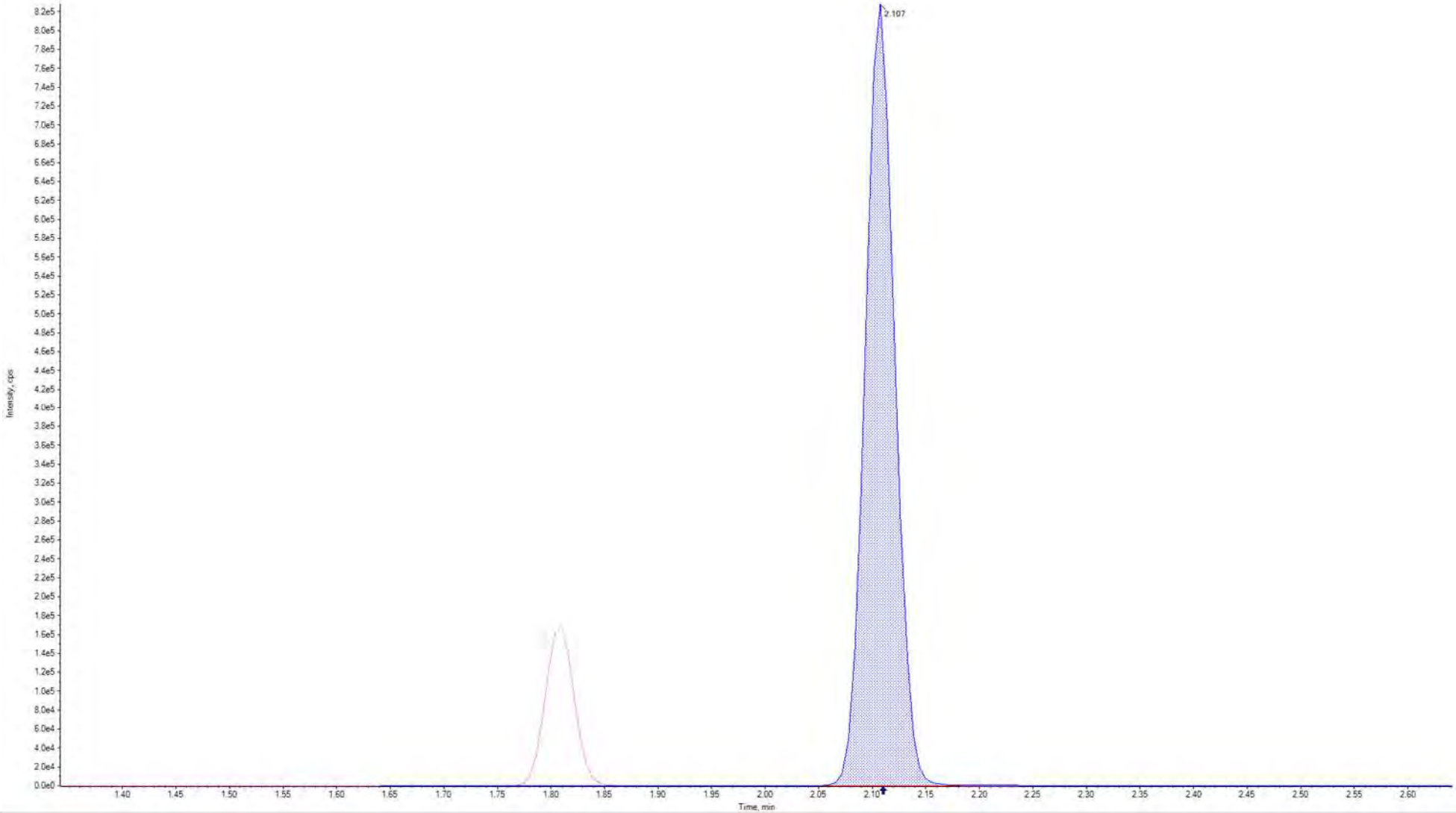
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_22.wiff2_7
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFEESA
Sample: IA1633STD-25 S/N:234772.2 Points Across peak:48



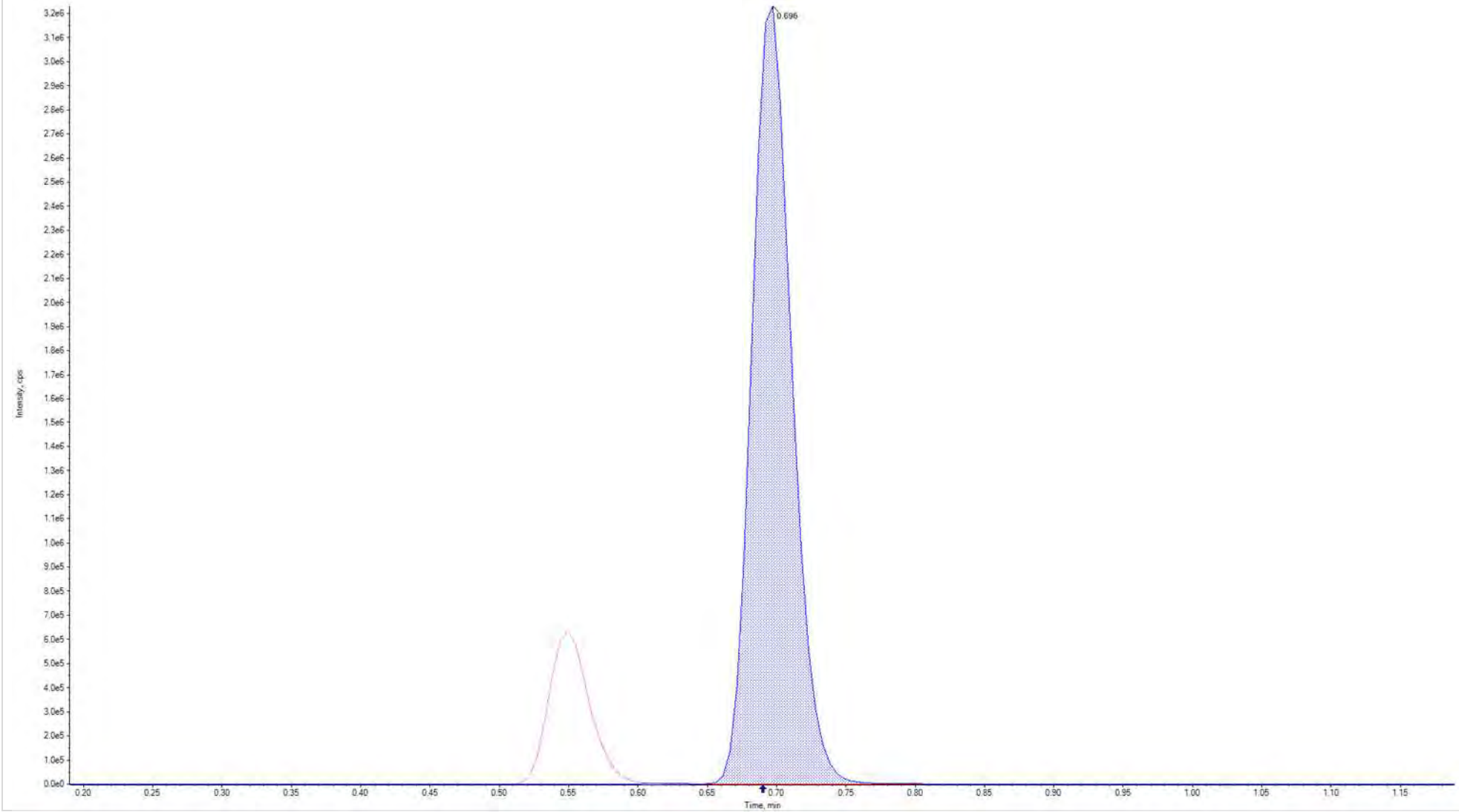
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_22.wiff2_7
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFEESA_2
Sample: IA1633STD-25 S/N:11881.4 Points Across peak:25



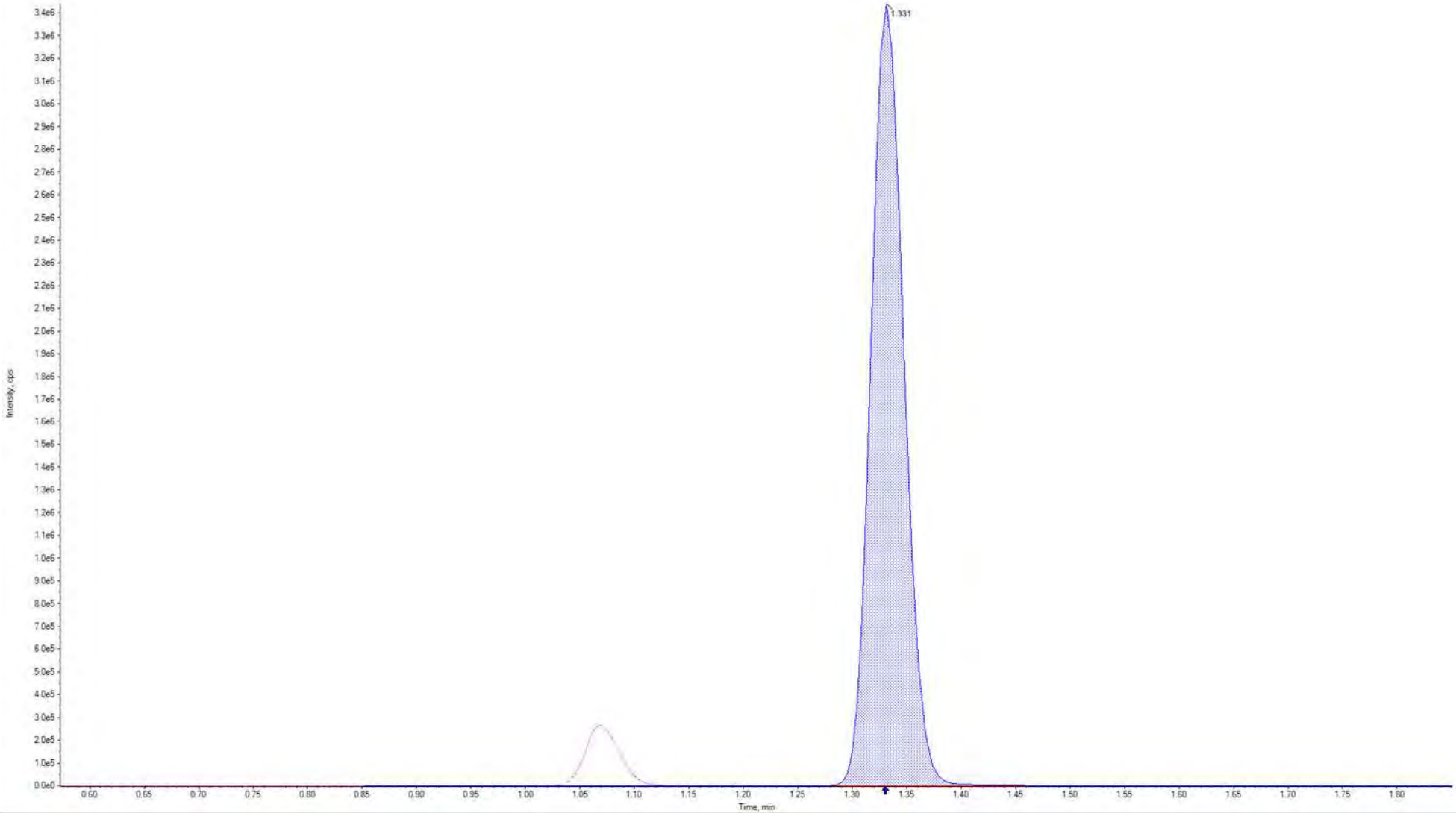
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_22.wiff2_7
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFMPA
Sample: IA1633STD-25 S/N:20183.7 Points Across peak:38



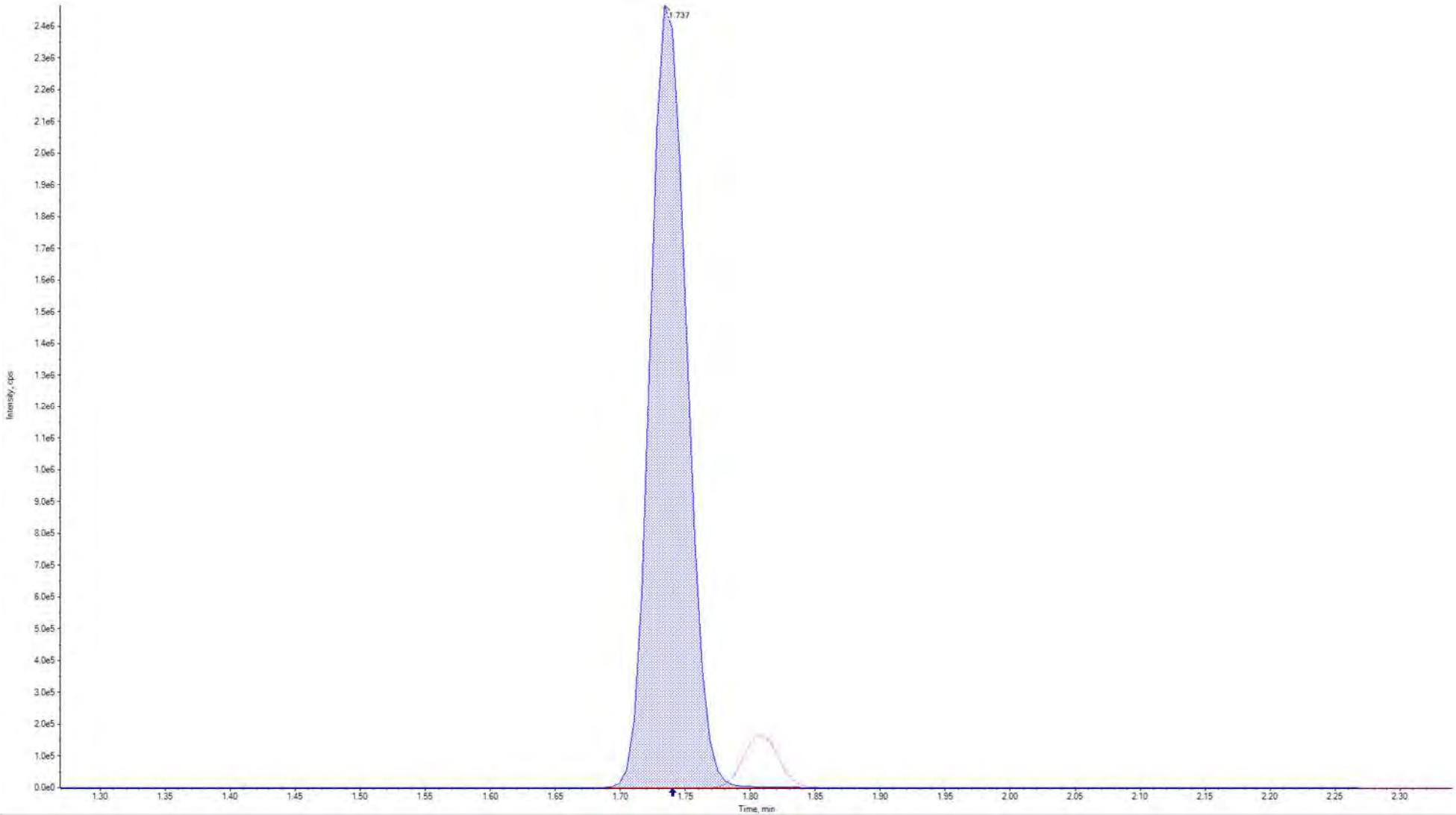
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_22.wiff2_7
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFMBA
Sample: IA1633STD-25 S/N:90496.1 Points Across peak:51



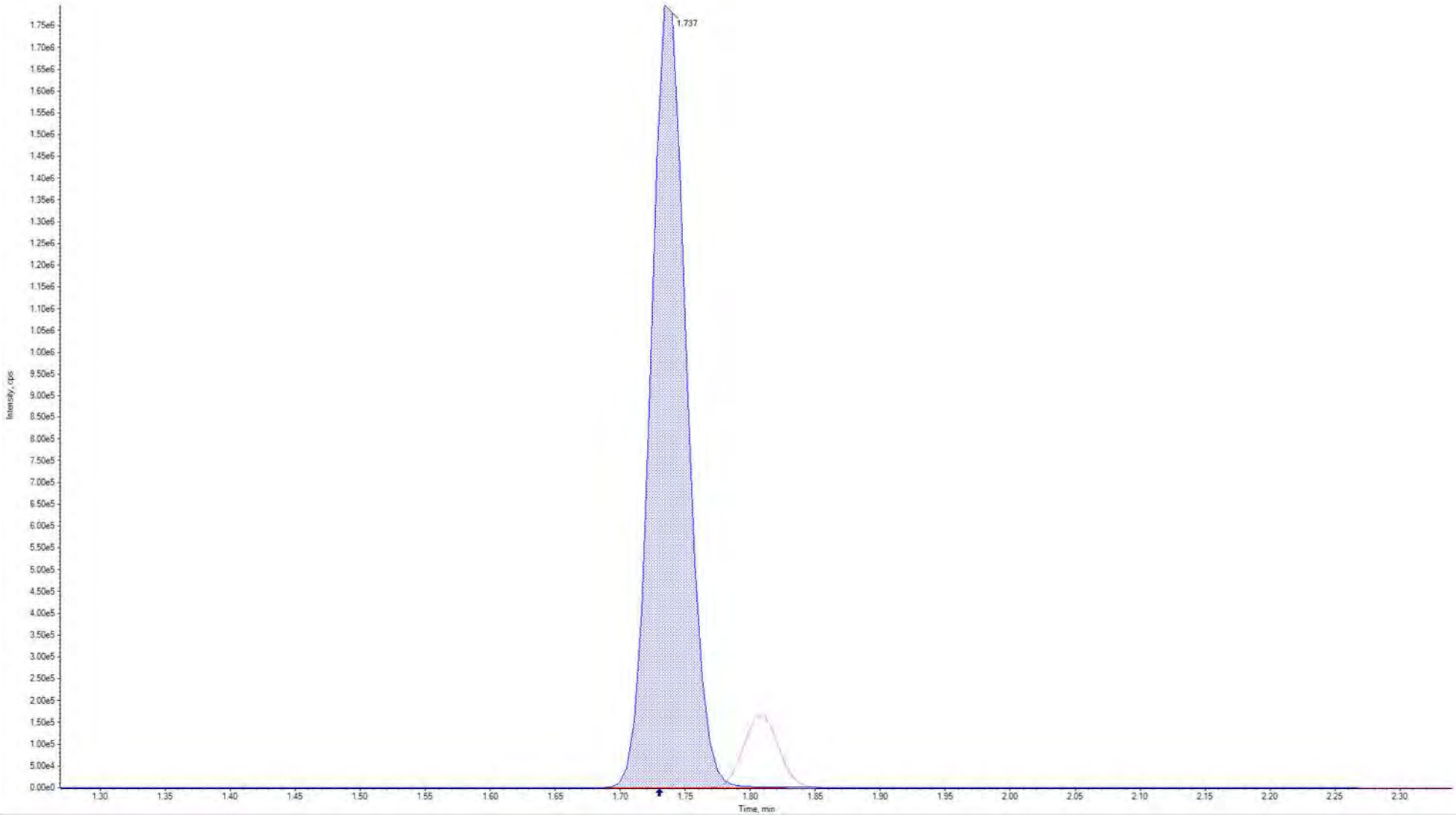
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_22.wiff2_7
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NFDHA
Sample: IA1633STD-25 S/N:67985.5 Points Across peak:43

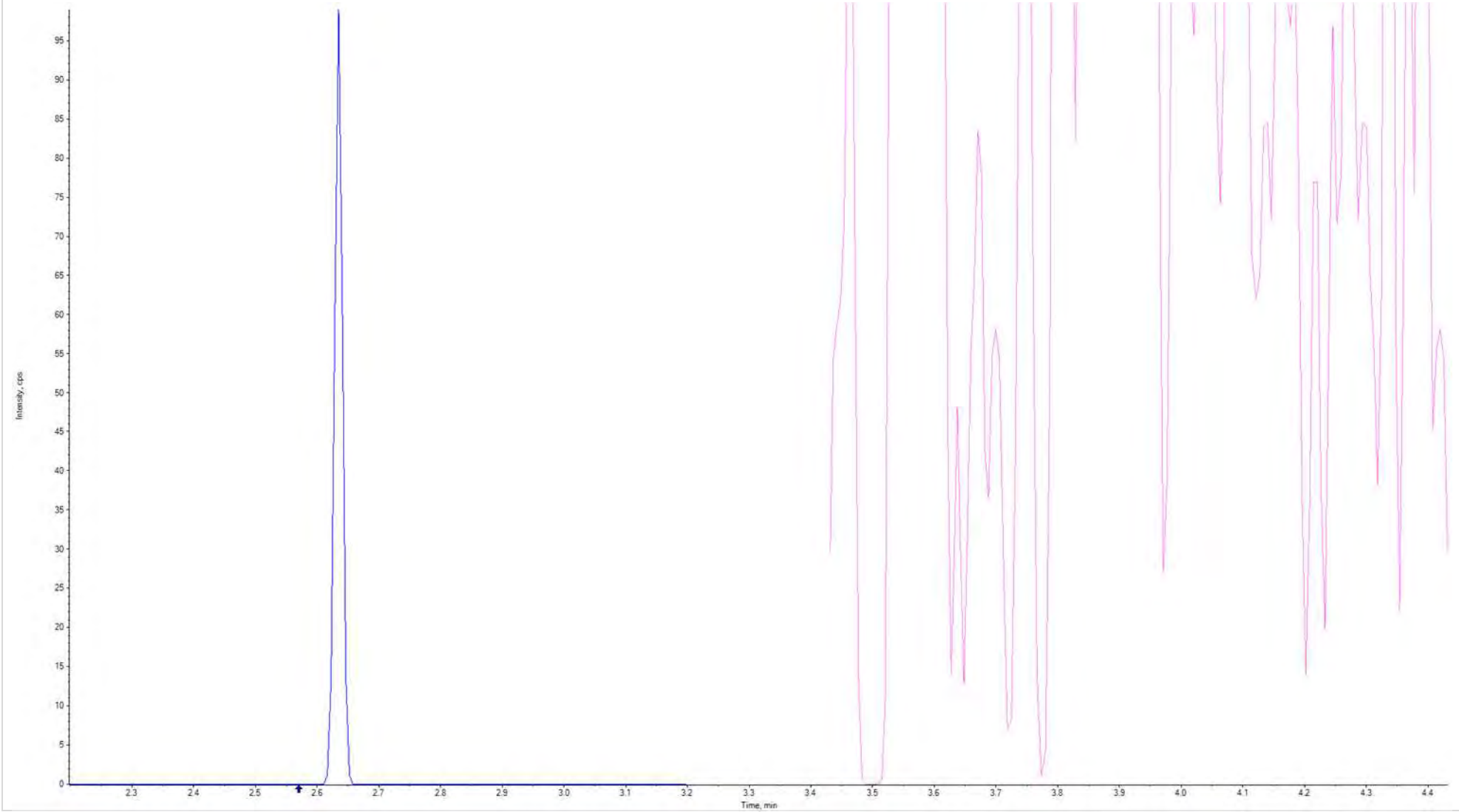


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_22.wiff2_7
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

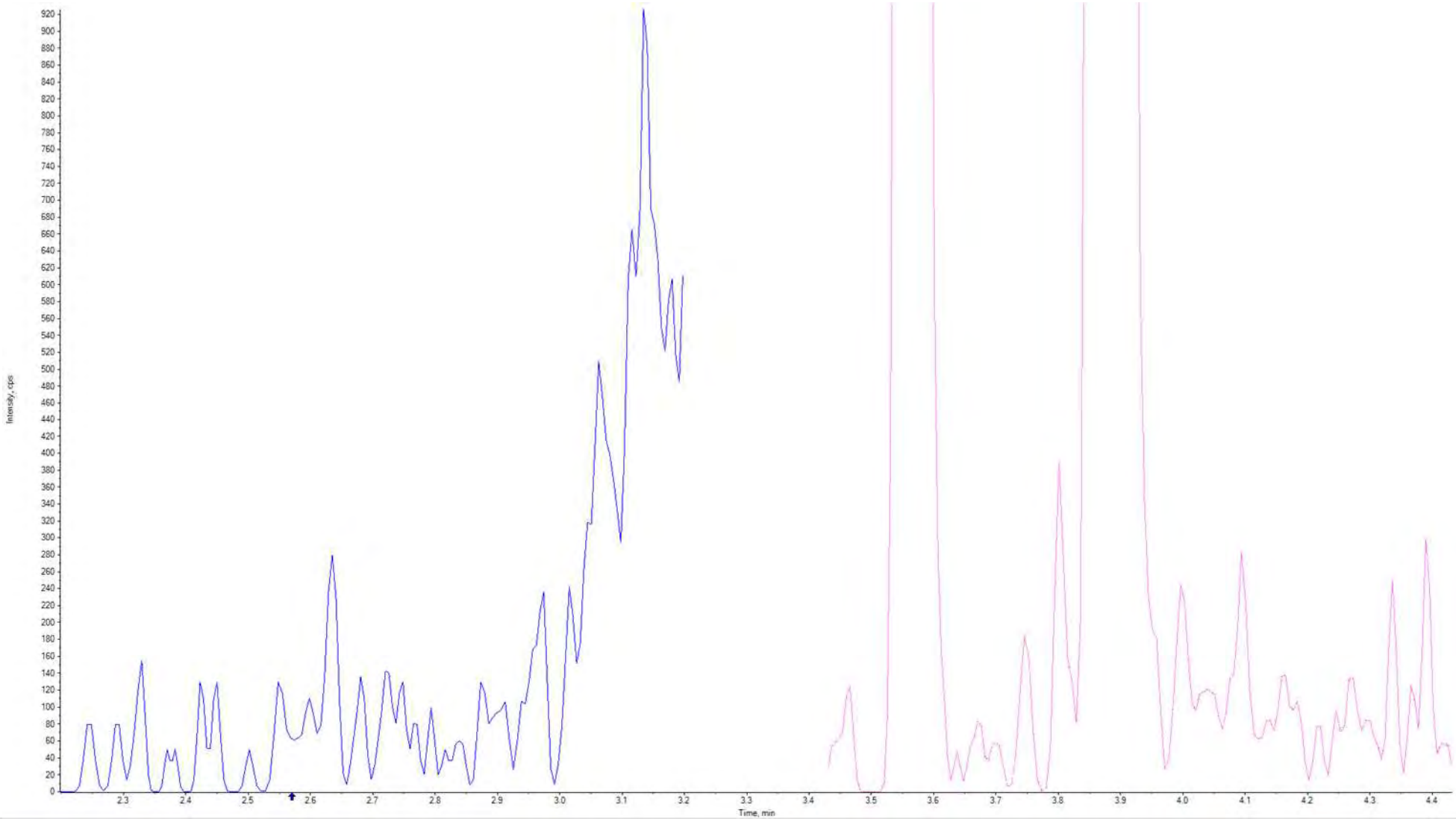
NFDHA_2
Sample: IA1633STD-25 S/N:49535.8 Points Across peak:28



TDCA
Sample: IA1633STD-25 S/N:N/A Points Across peak:N/A

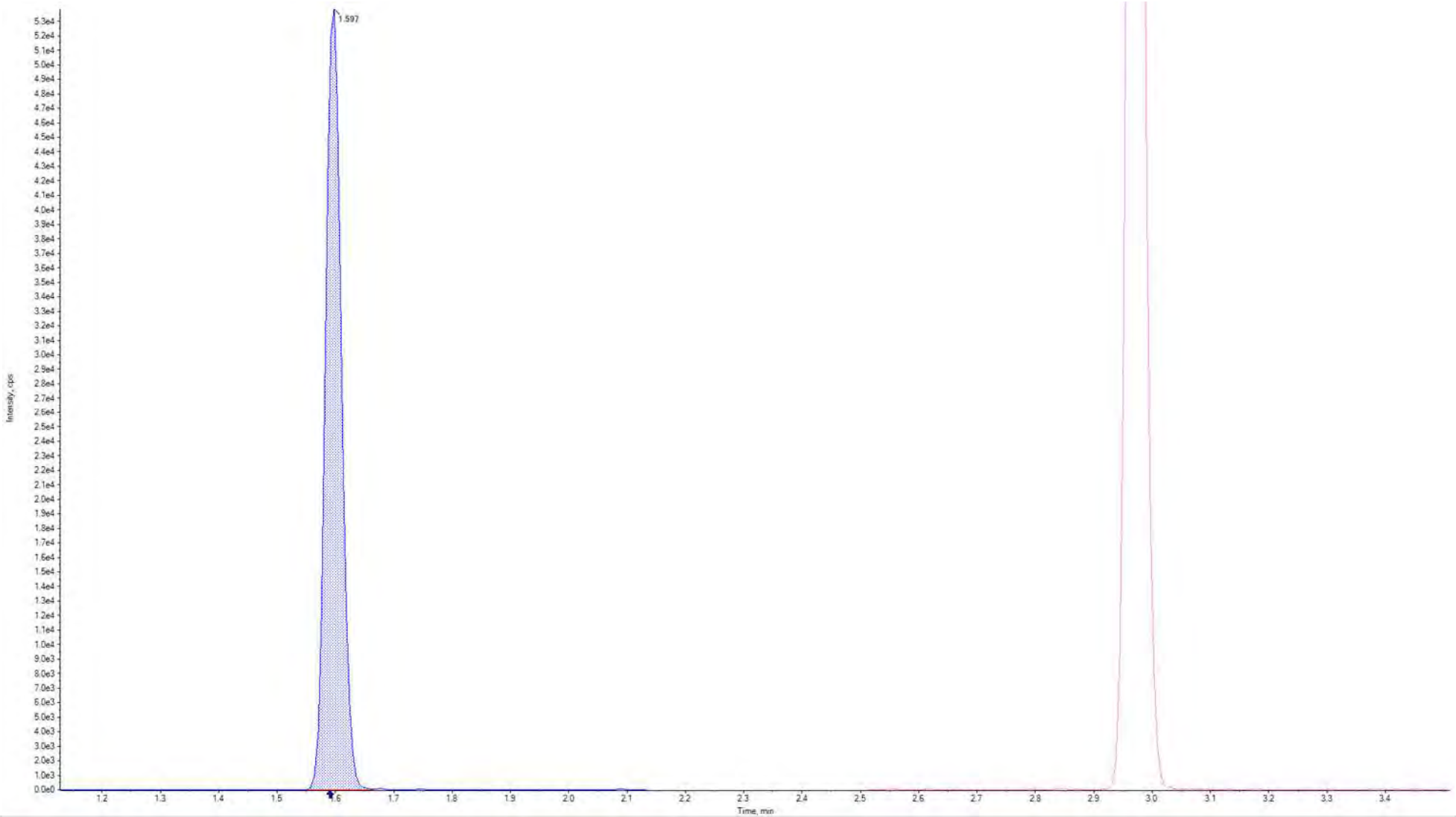


TDCA_2
Sample: IA1633STD-25 S/N:N/A Points Across peak:N/A



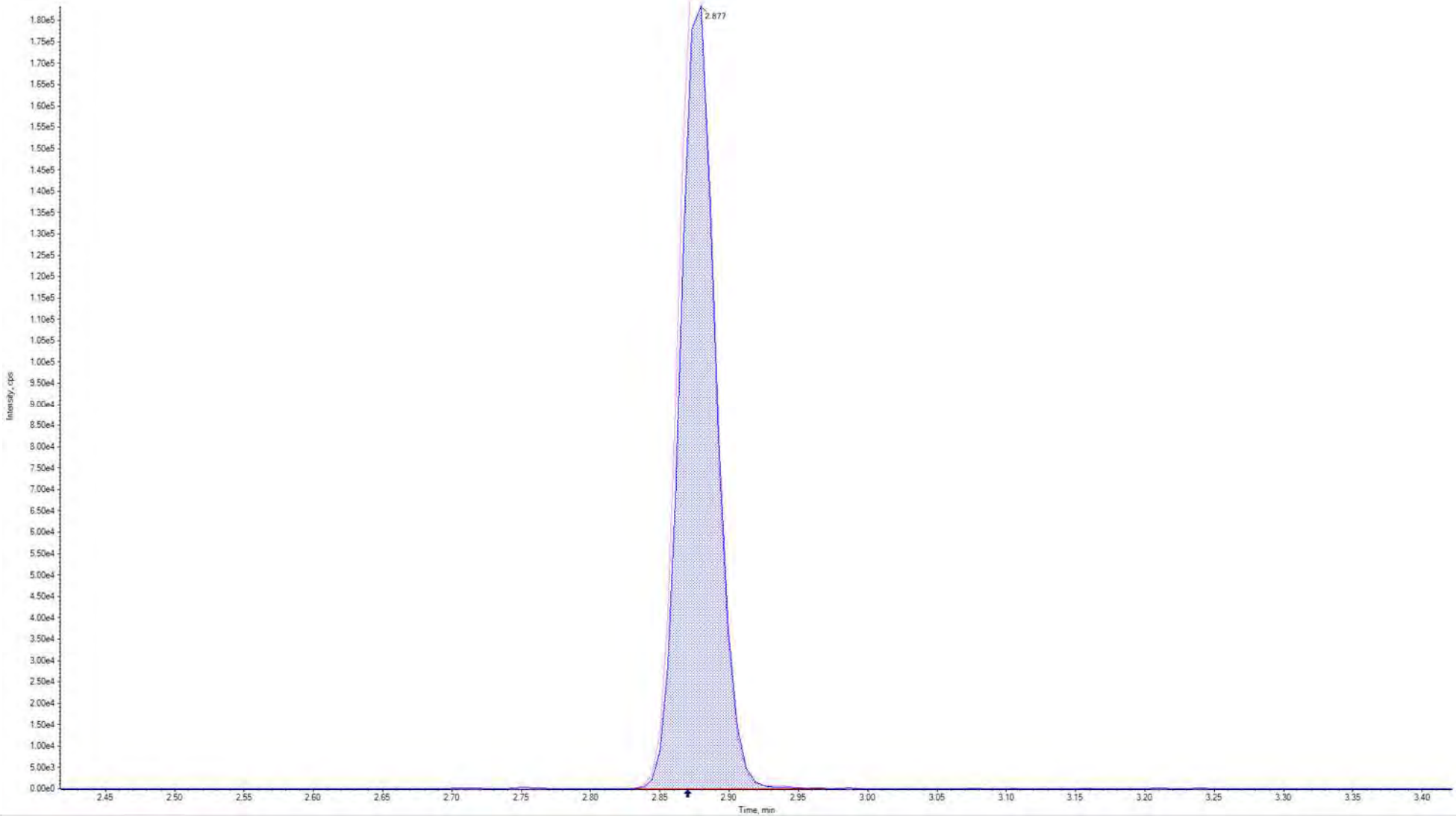
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_22.wiff2_7
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

13C2D4-4:2FTS
Sample: IA1633STD-25 S/N:2024.2 Points Across peak:25

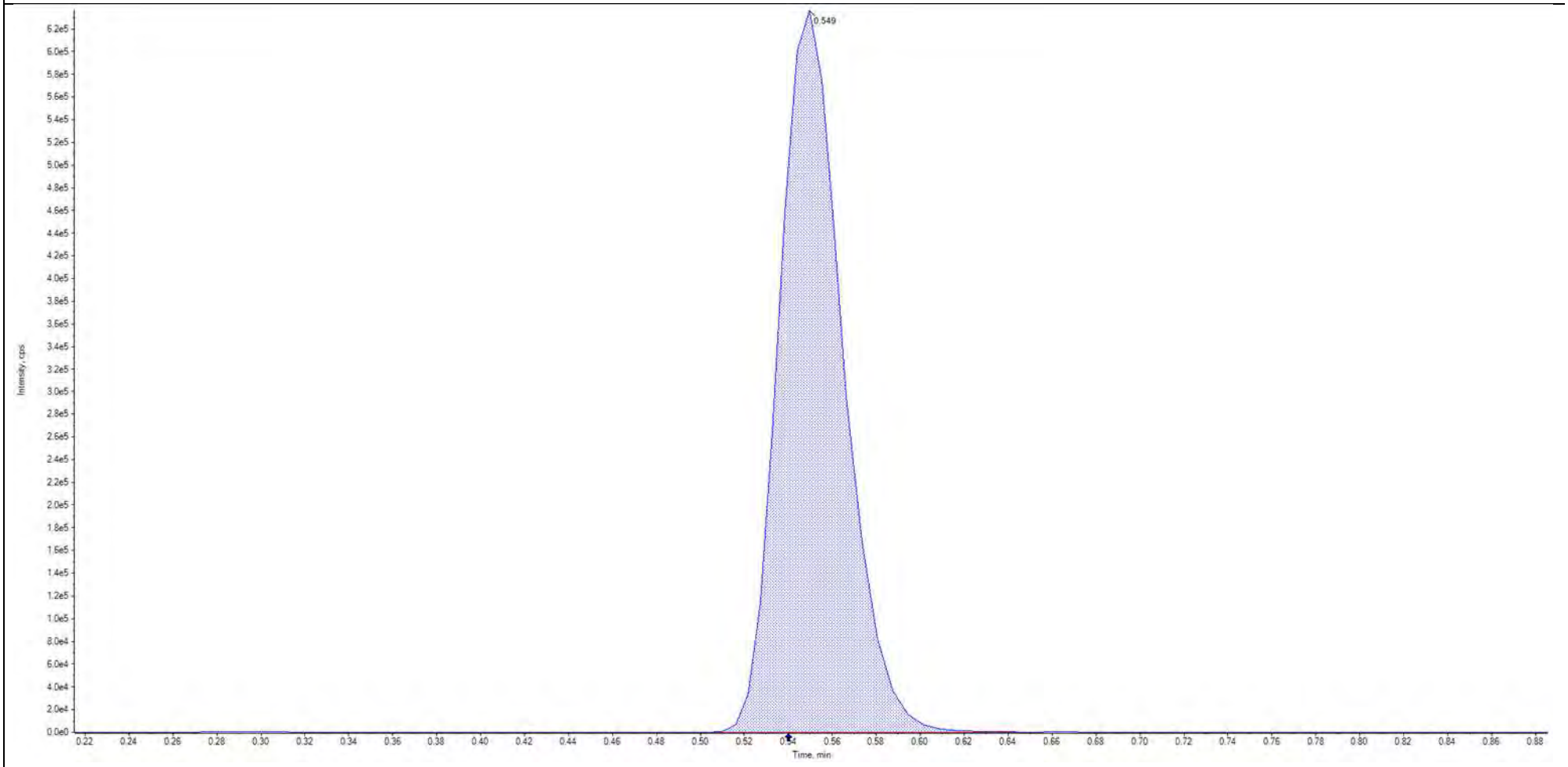


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_22.wiff2_7
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

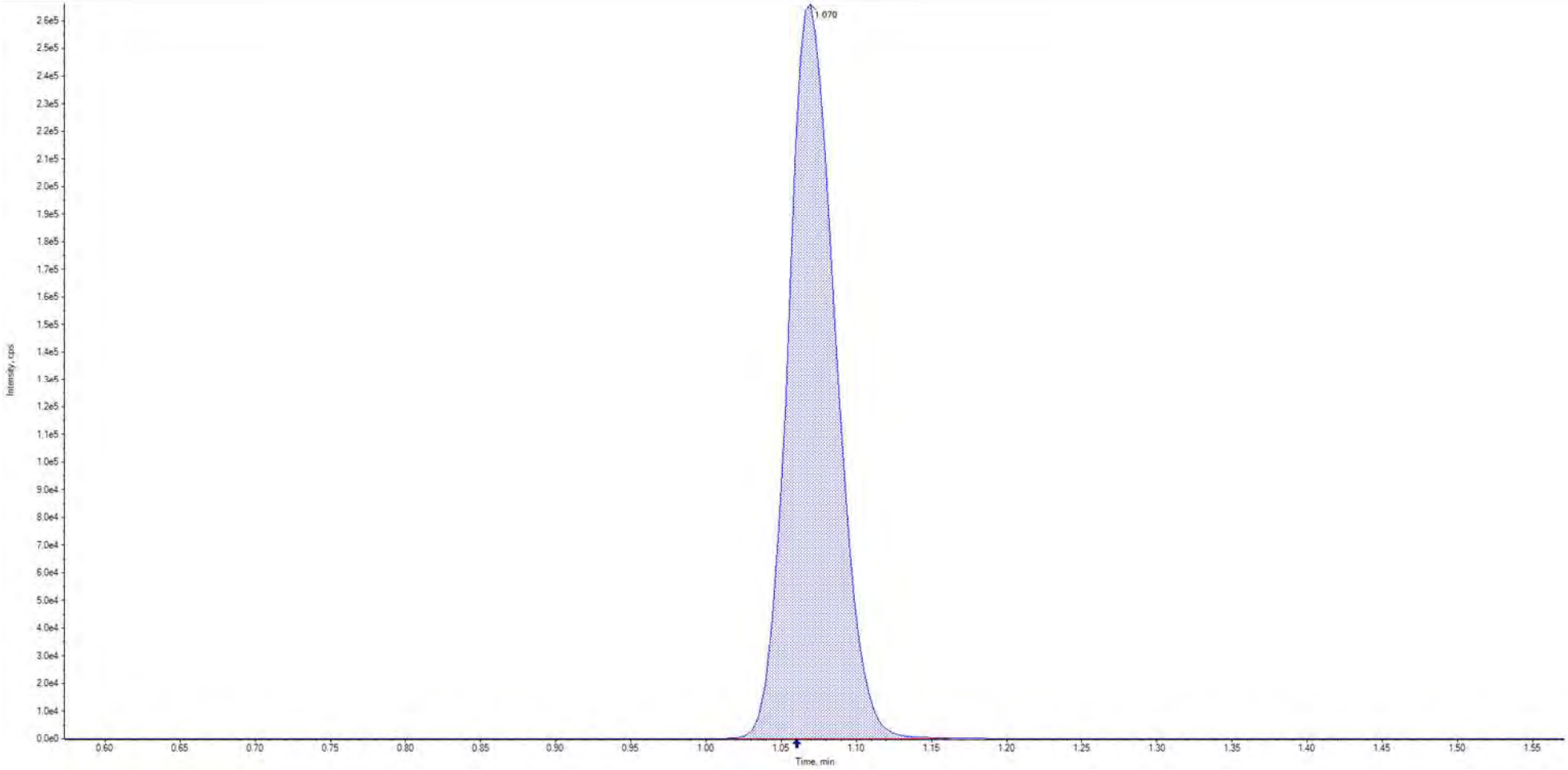
13C2-PFOA
Sample: IA1633STD-25 S/N:4136.5 Points Across peak:29



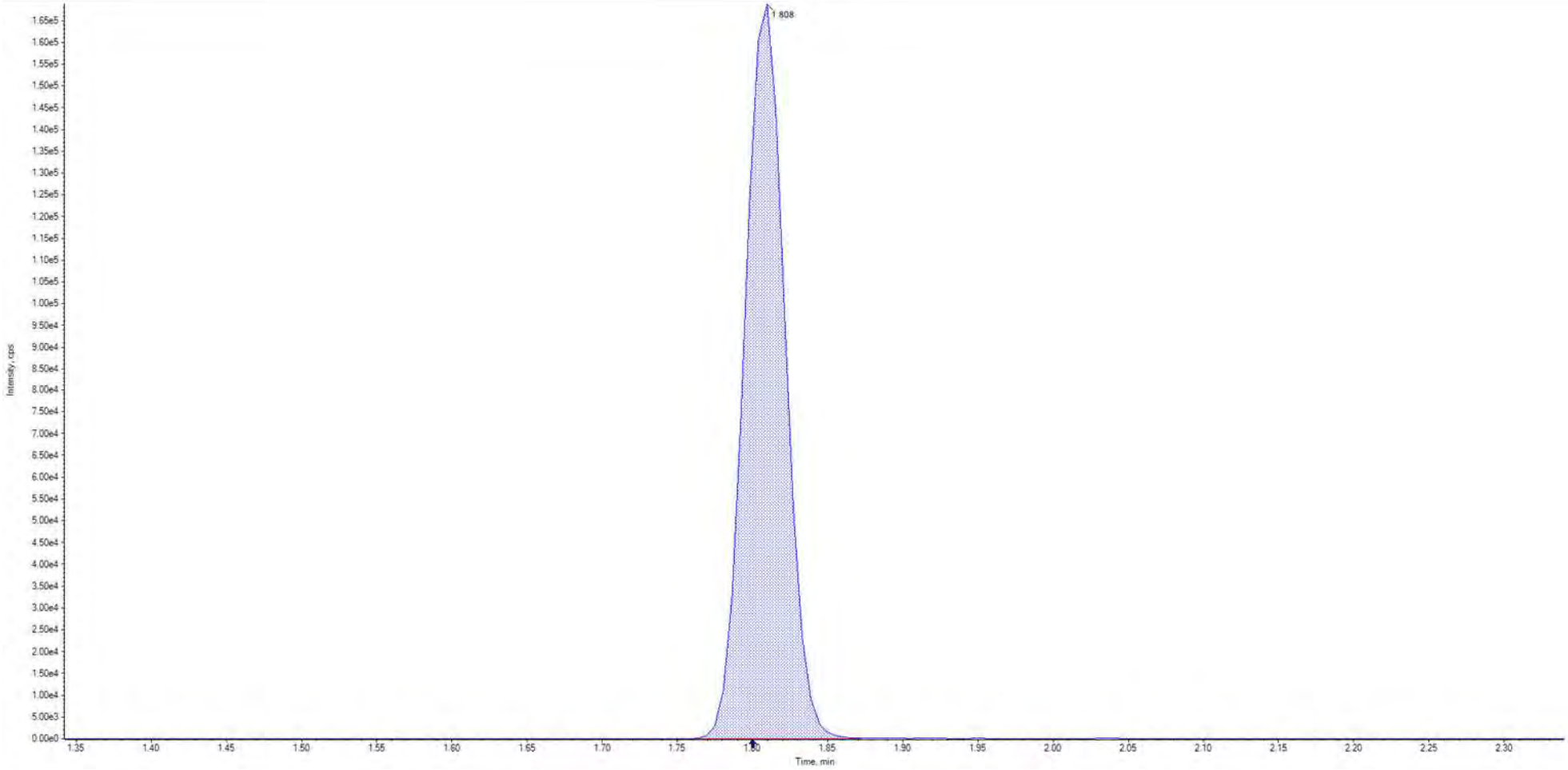
13C4-PFBA
Sample: IA1633STD-25



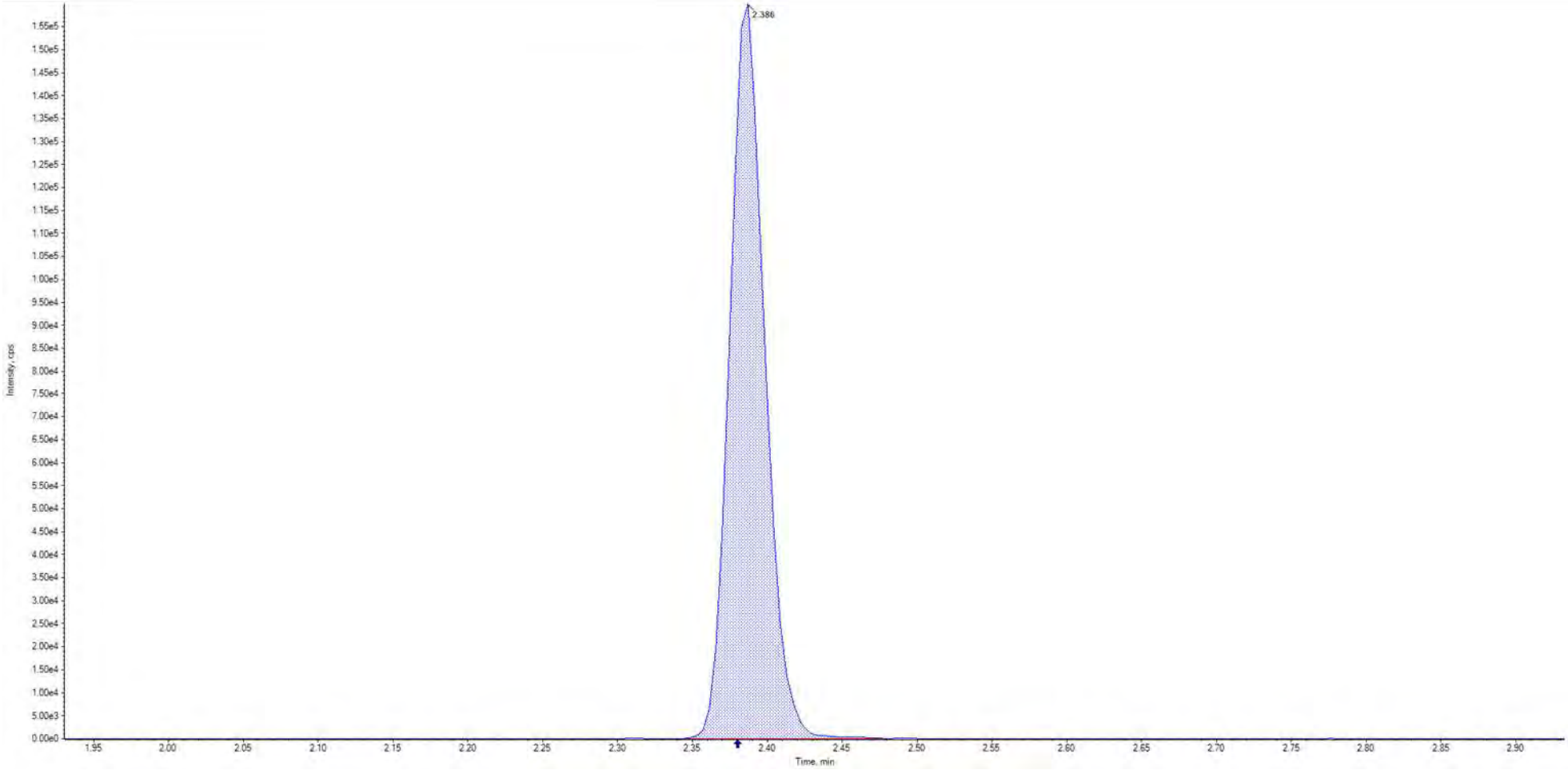
13C5-PFPeA
Sample: IA1633STD-25



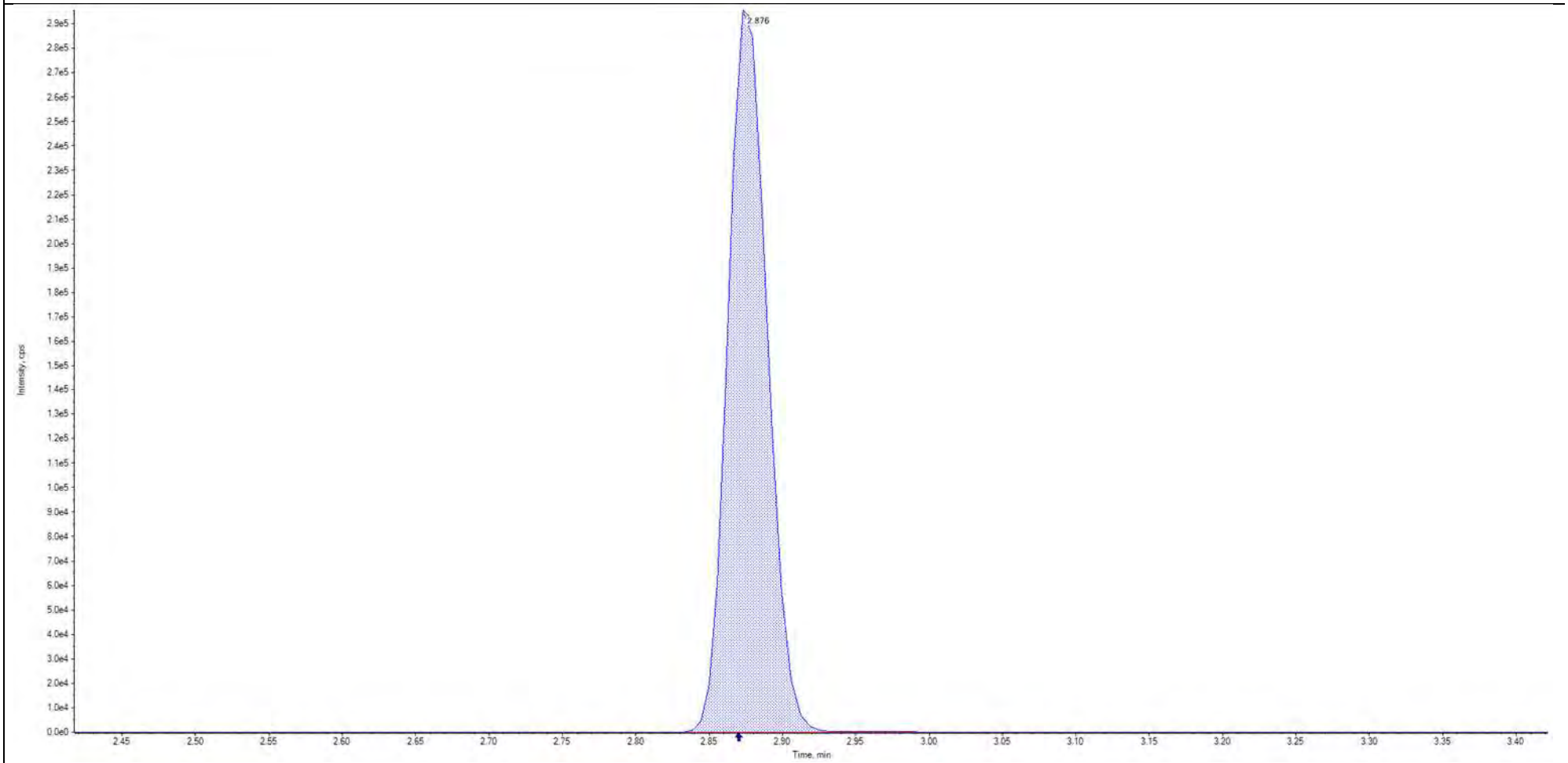
13C5-PFHxA
Sample: IA1633STD-25



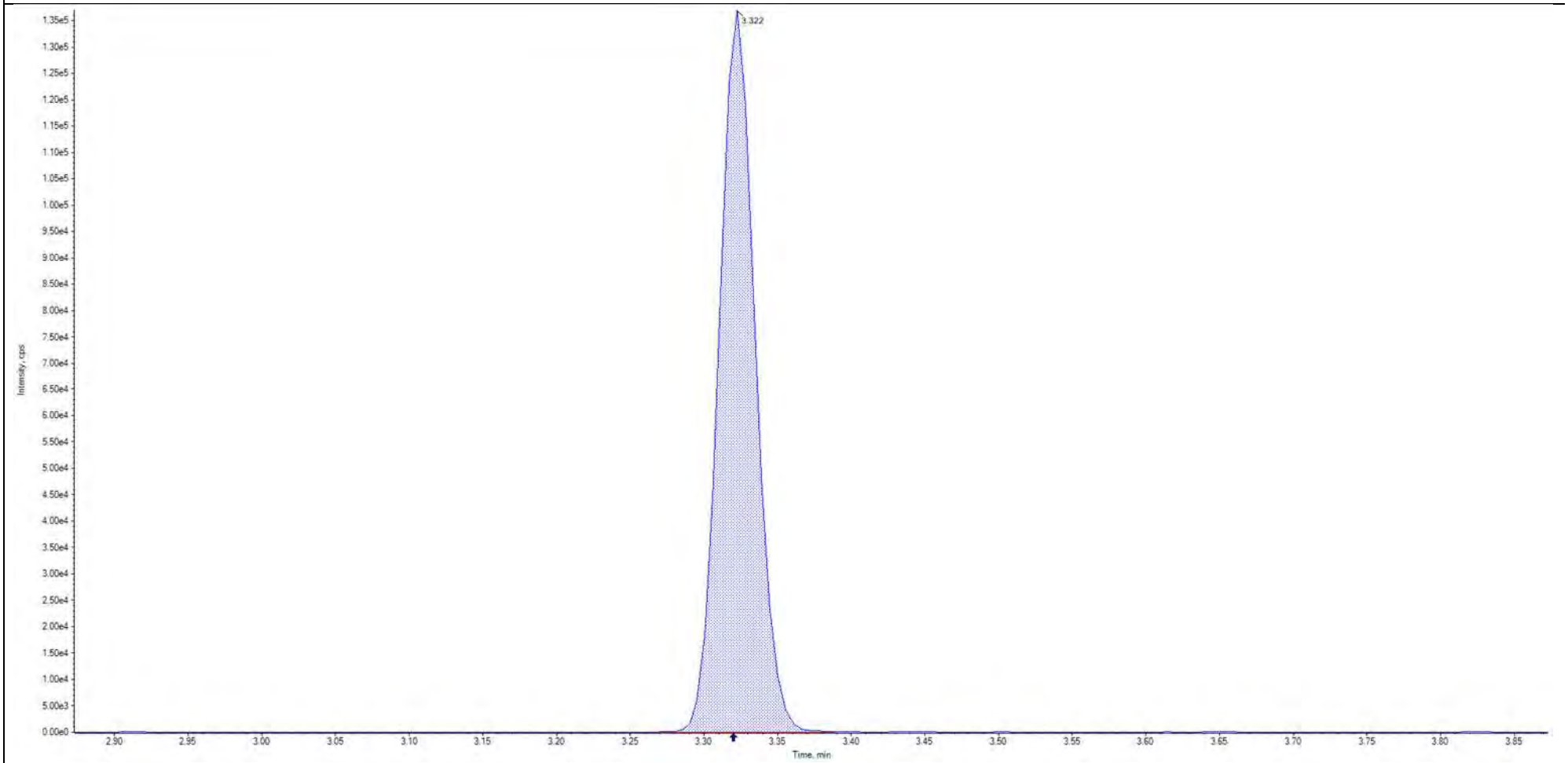
13C4-PFHpA
Sample: IA1633STD-25



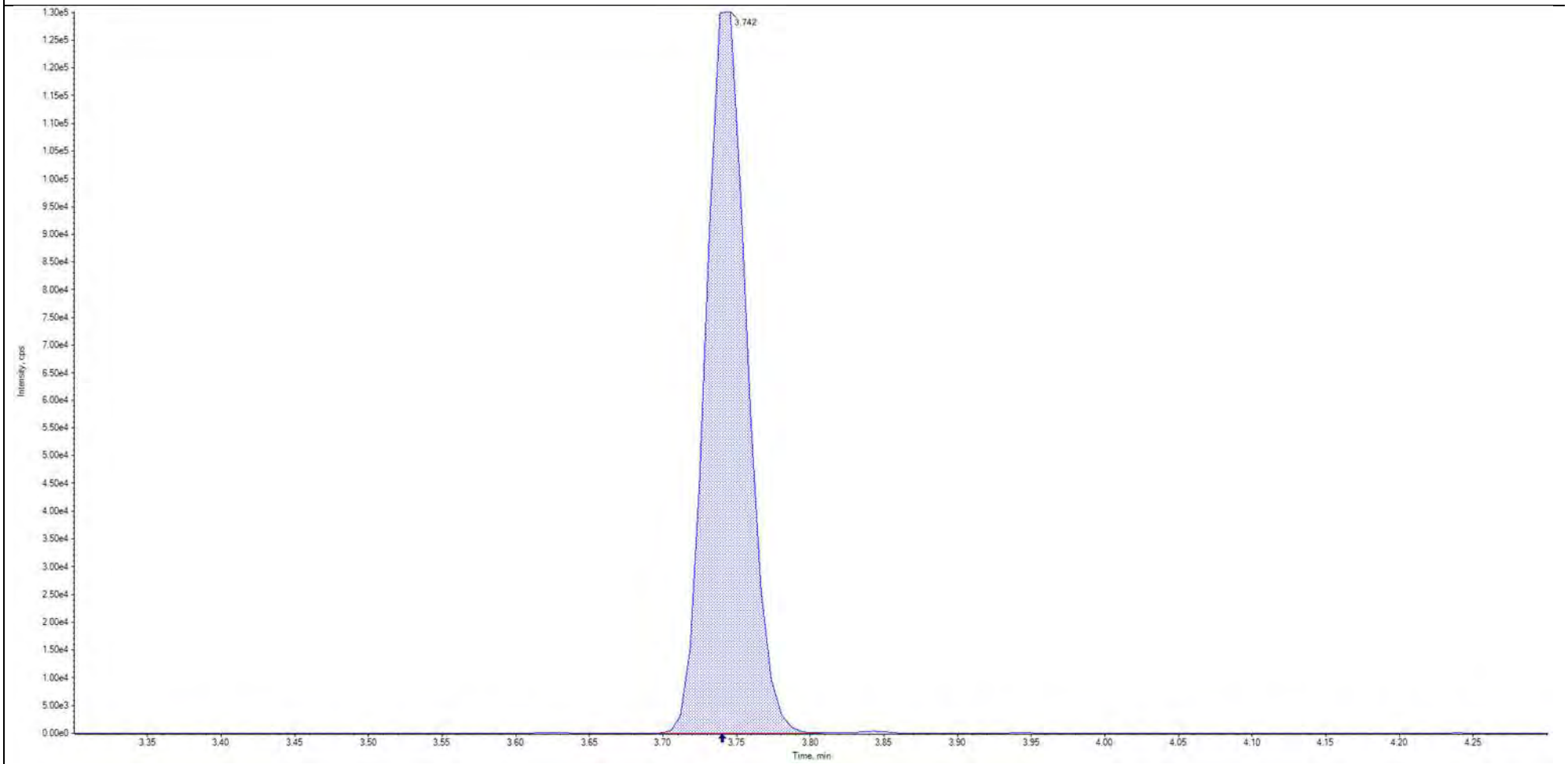
13C8-PFOA
Sample: IA1633STD-25



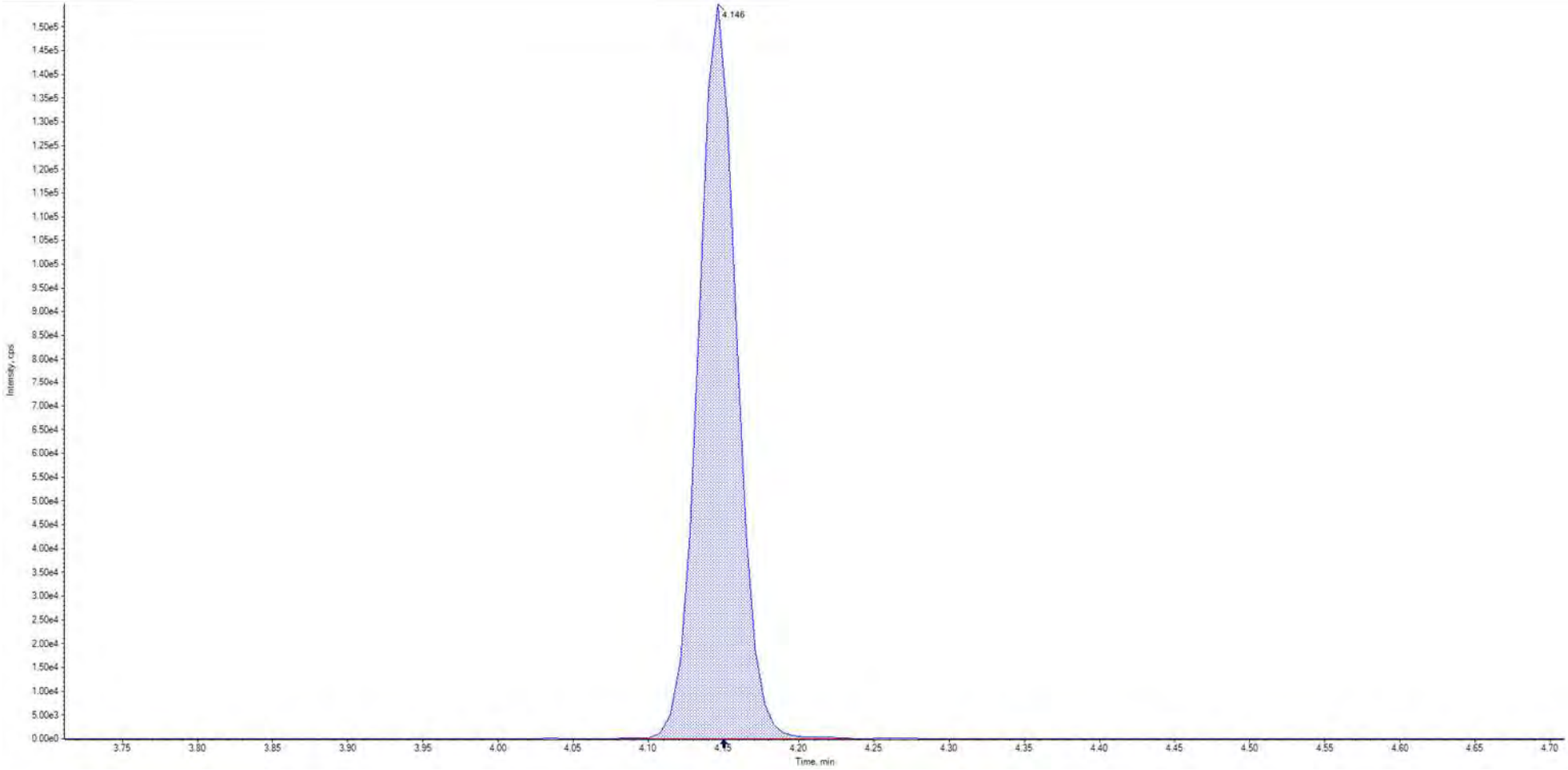
13C9-PFNA
Sample: IA1633STD-25



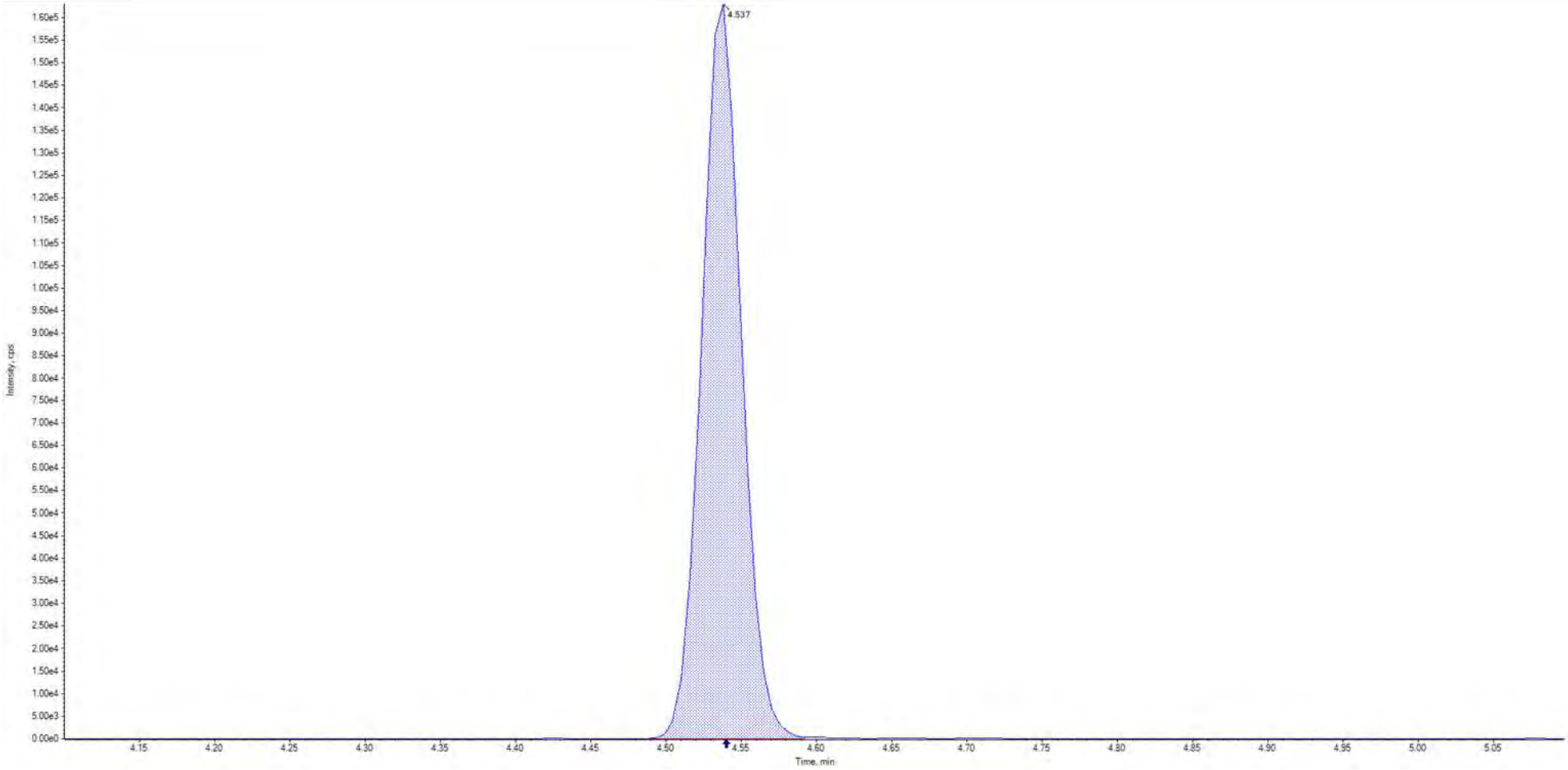
13C6-PFDA
Sample: IA1633STD-25



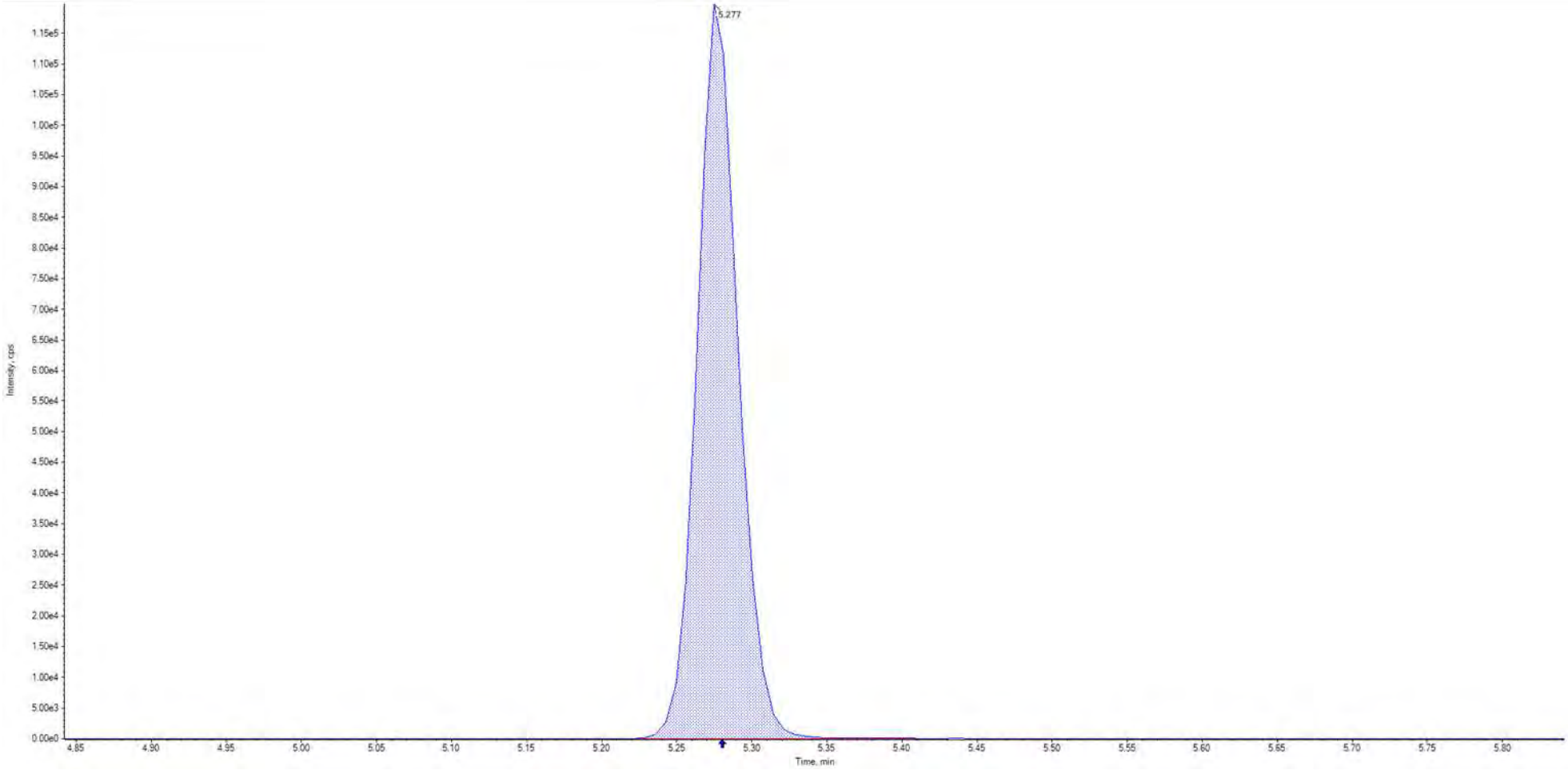
13C7-PFUnA
Sample: IA1633STD-25



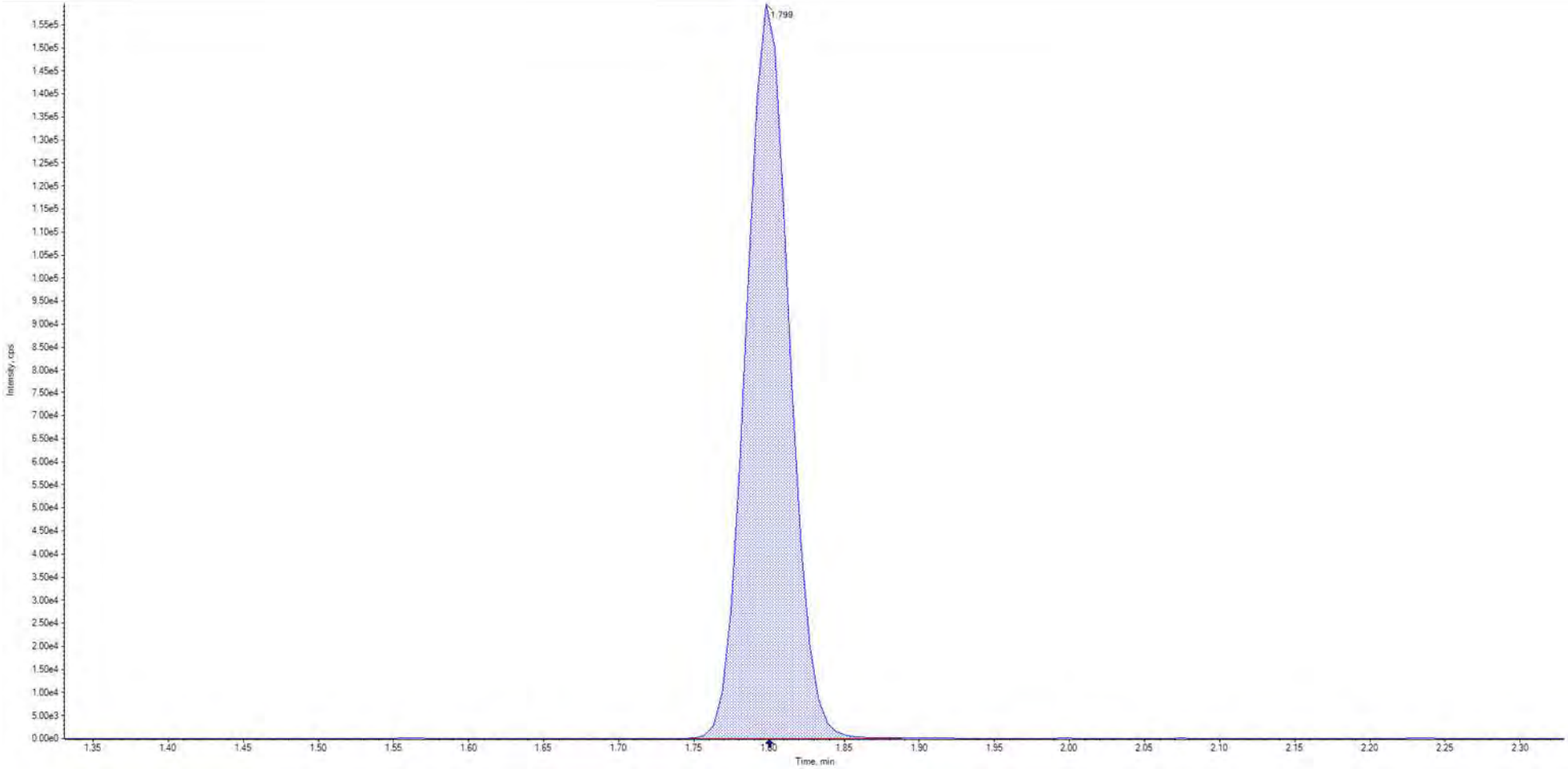
13C2-PFDoA
Sample: IA1633STD-25



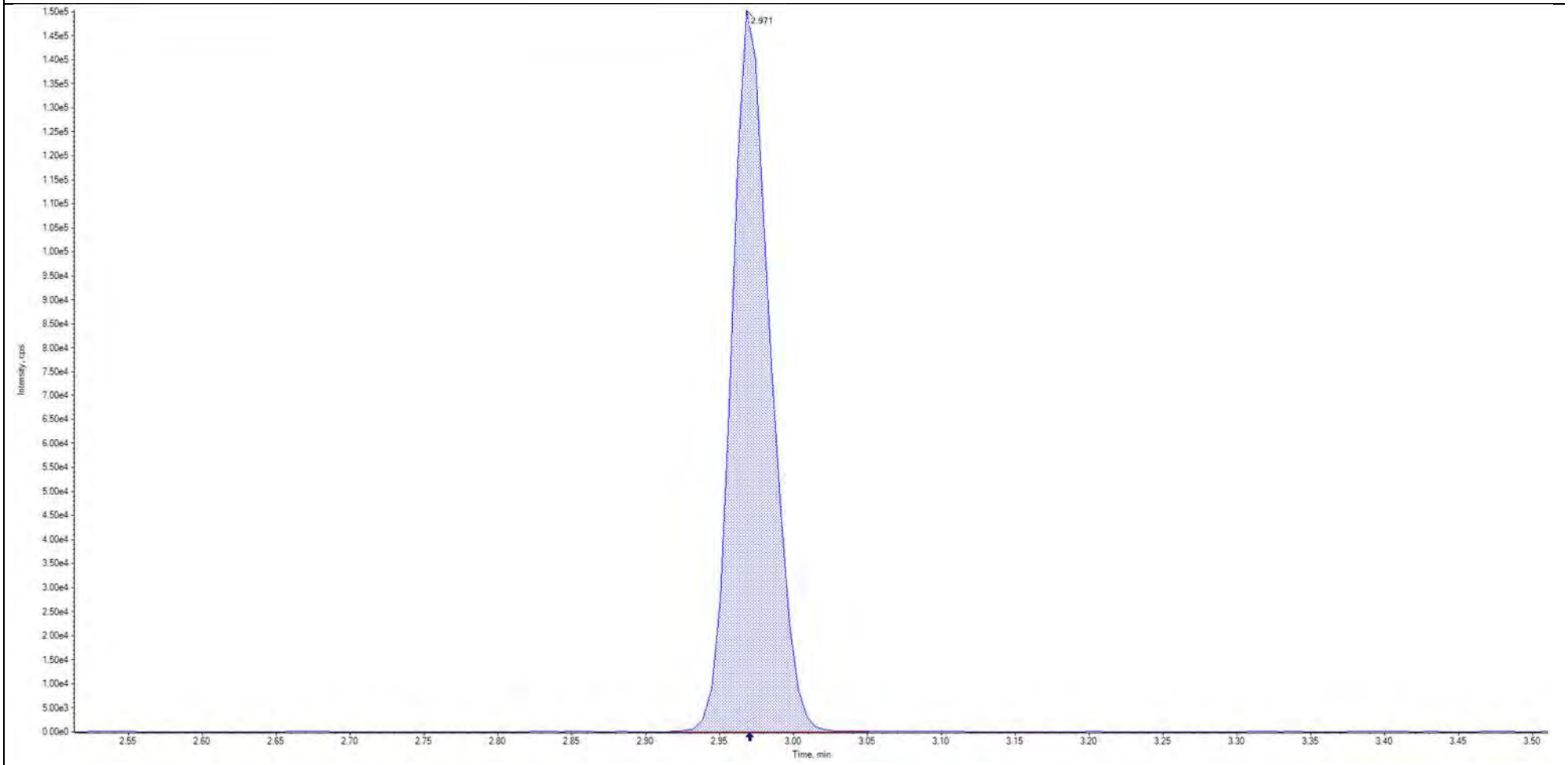
13C2-PFTeDA
Sample: IA1633STD-25



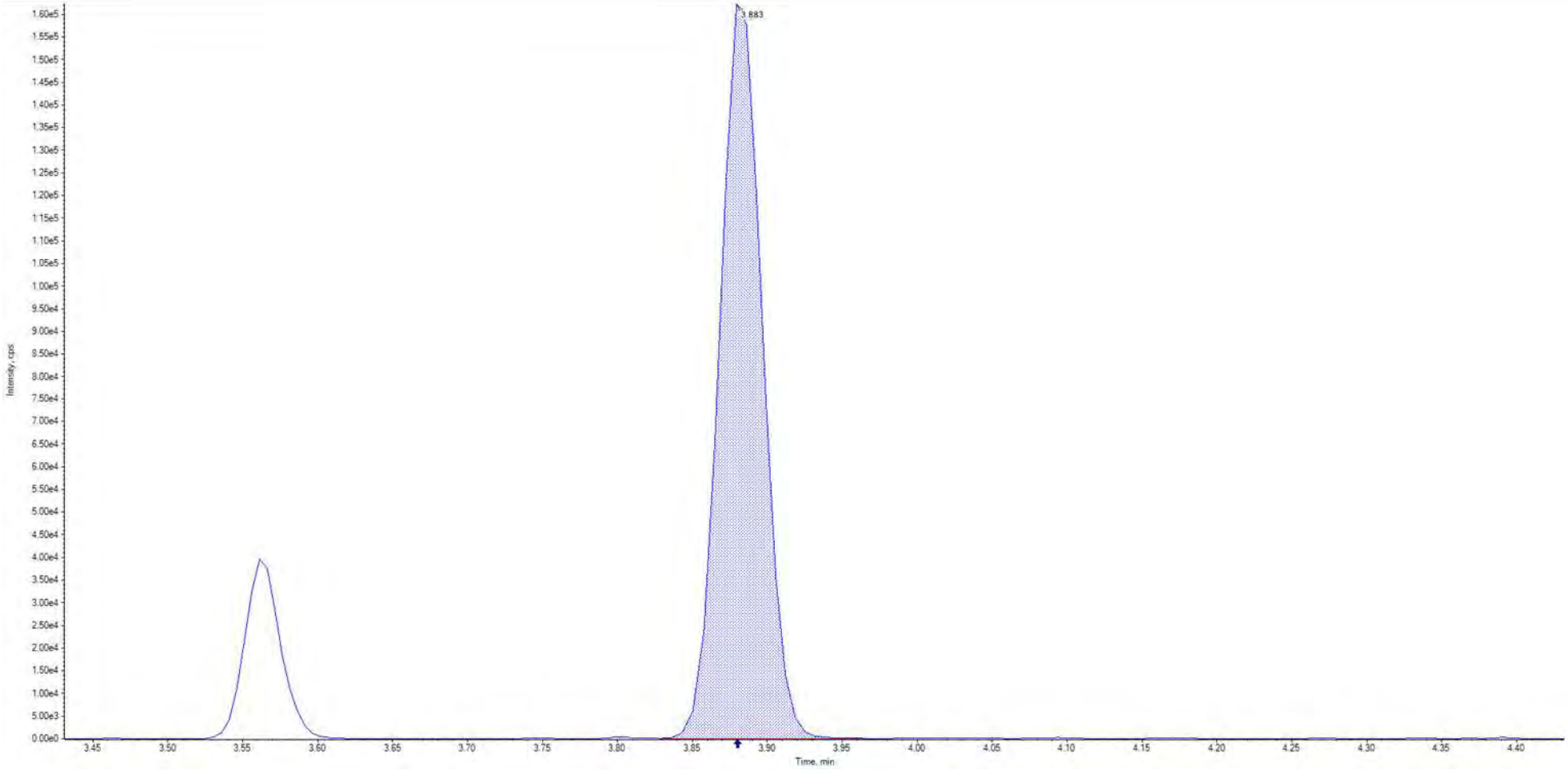
13C3-PFBS
Sample: IA1633STD-25



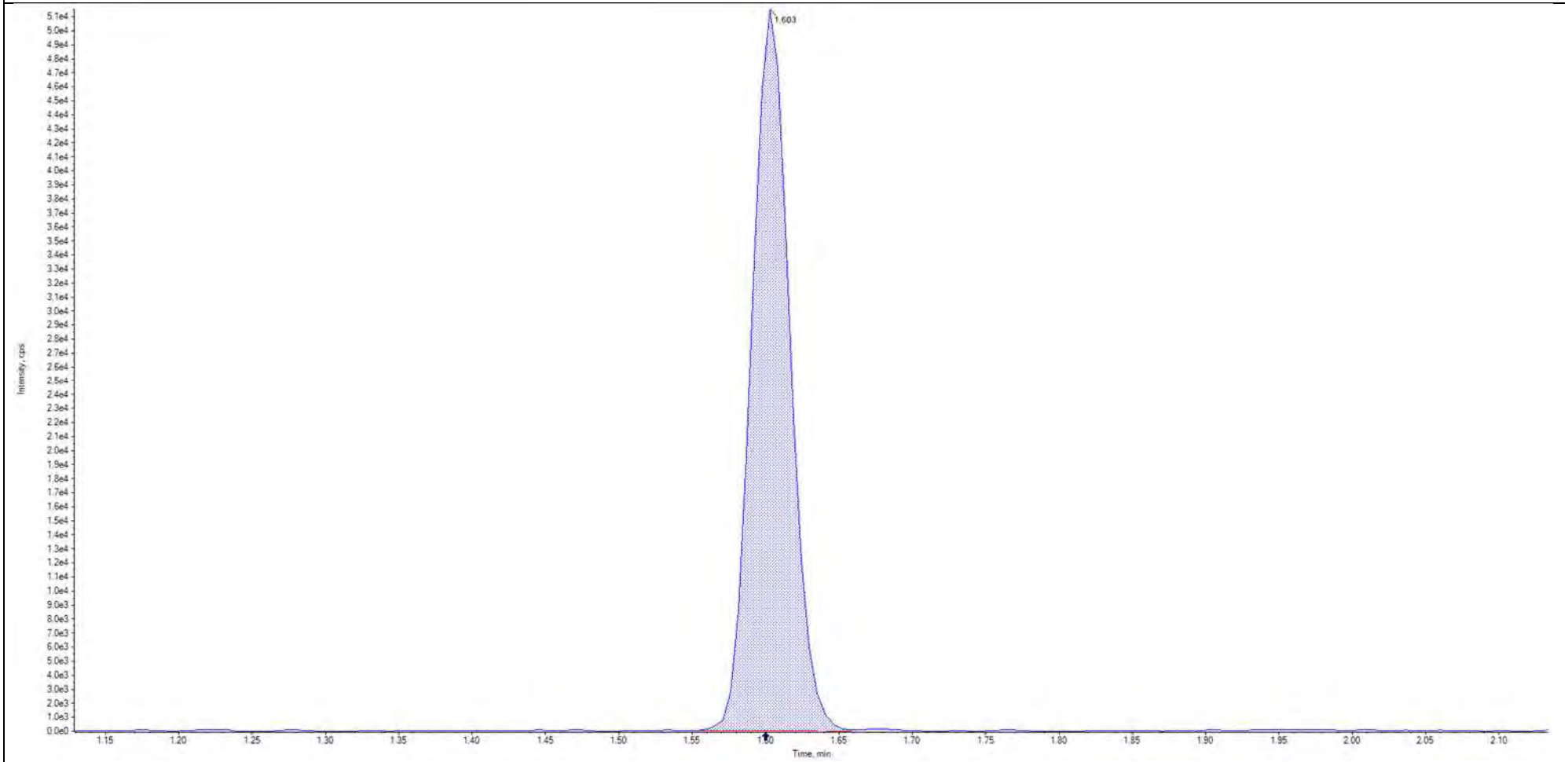
13C3-PFHxS
Sample: IA1633STD-25



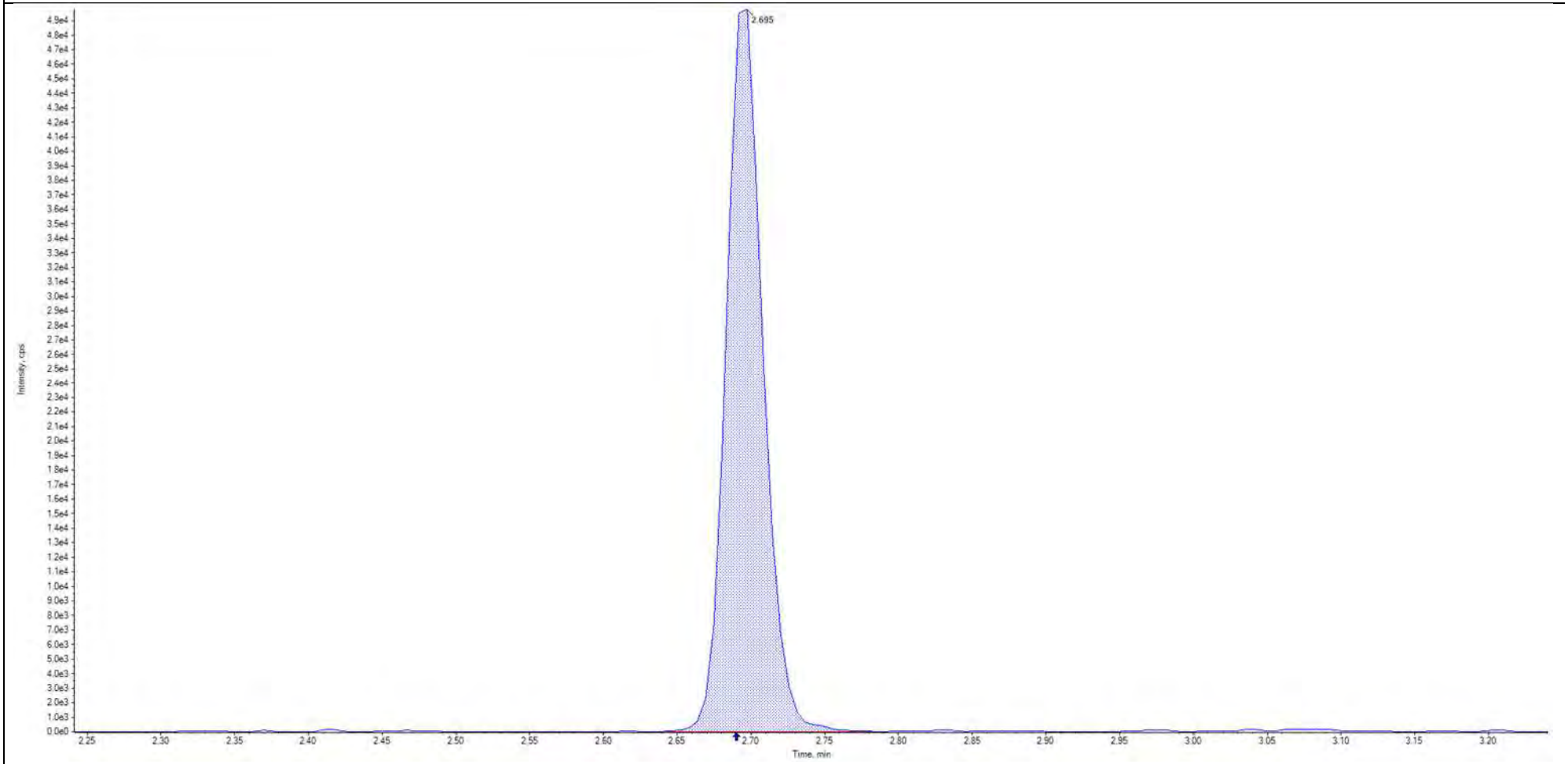
13C8-PFOS
Sample: IA1633STD-25



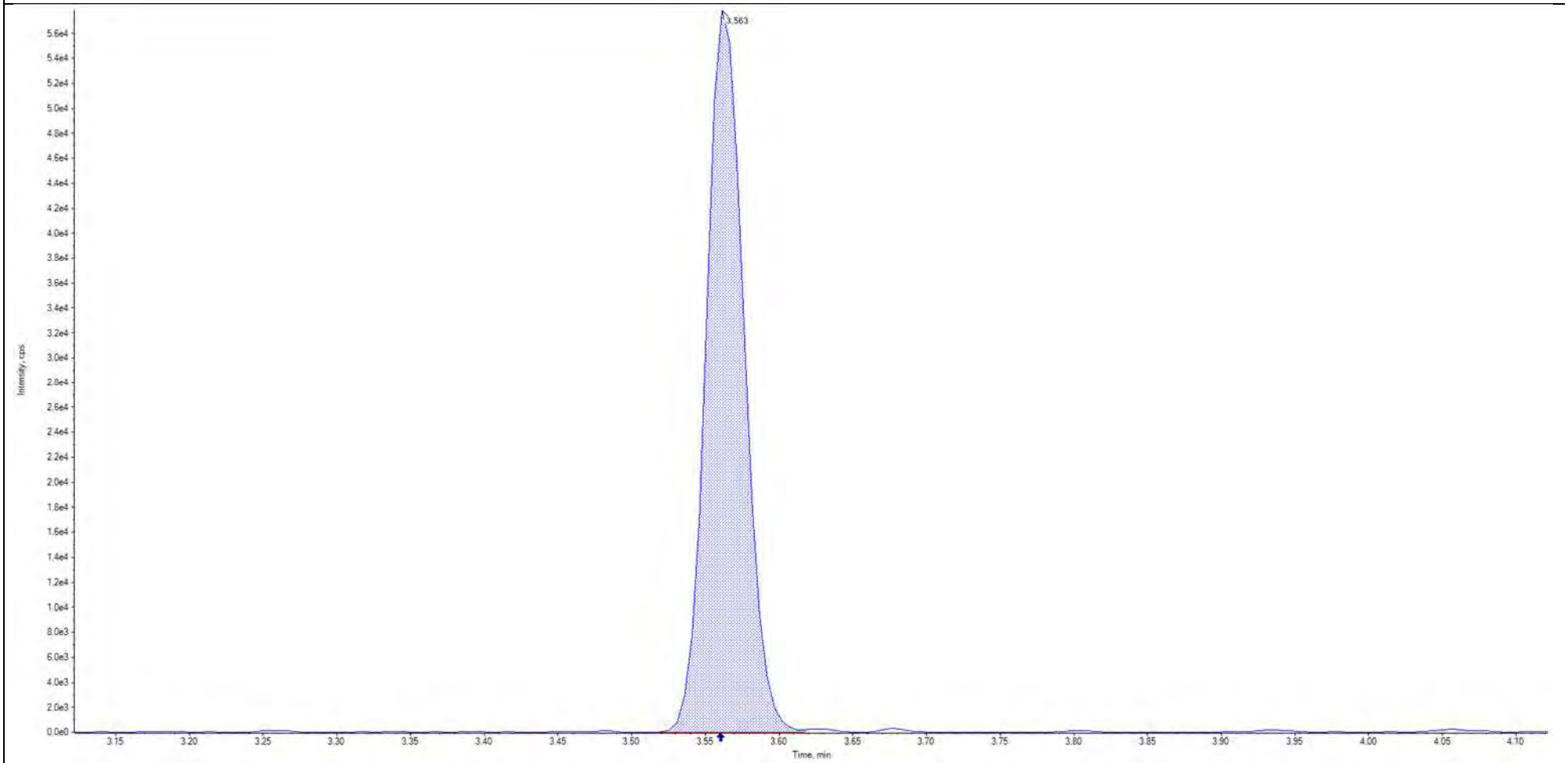
13C2-4:2FTS
Sample: IA1633STD-25



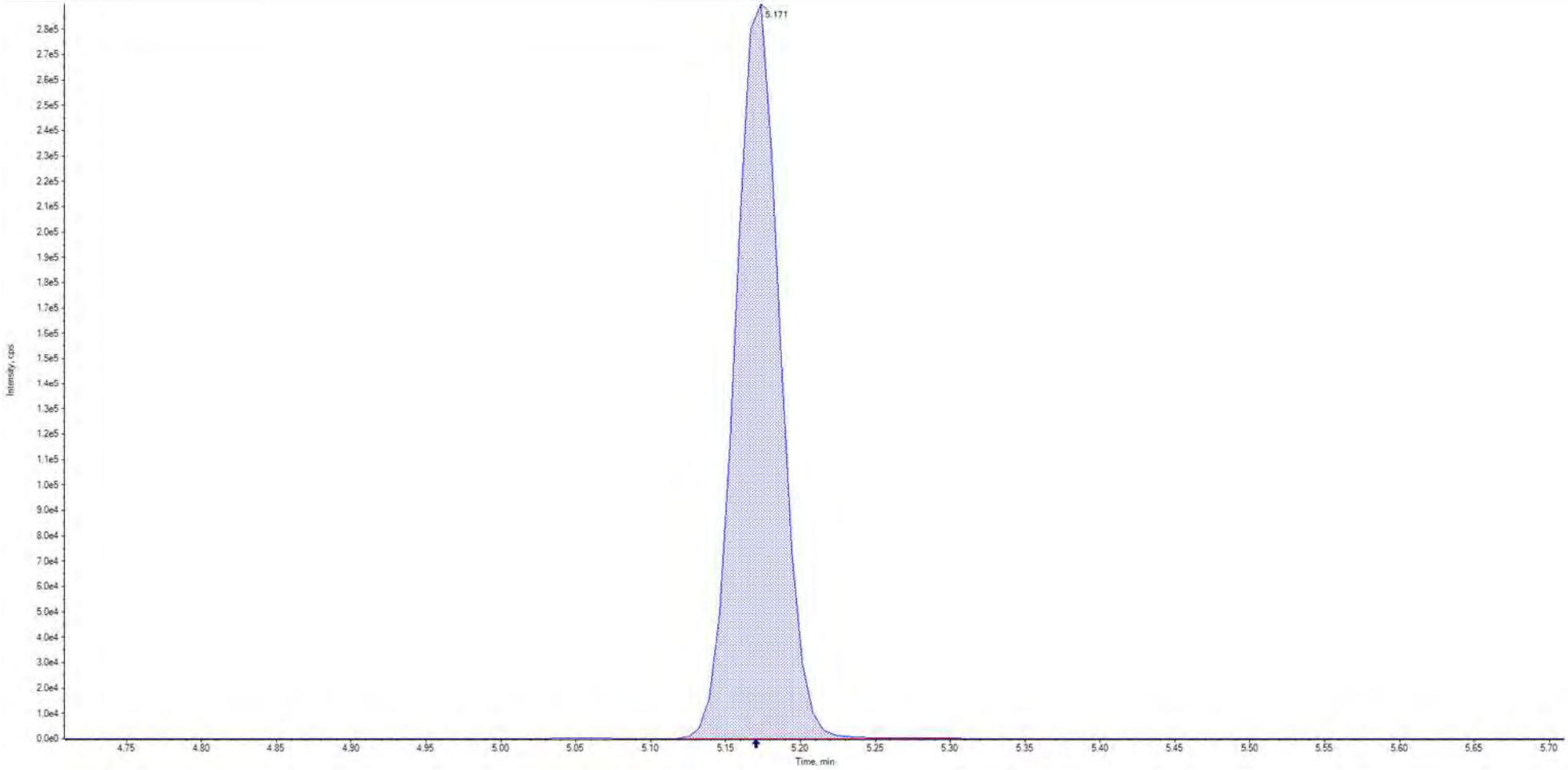
13C2-6:2FTS
Sample: IA1633STD-25



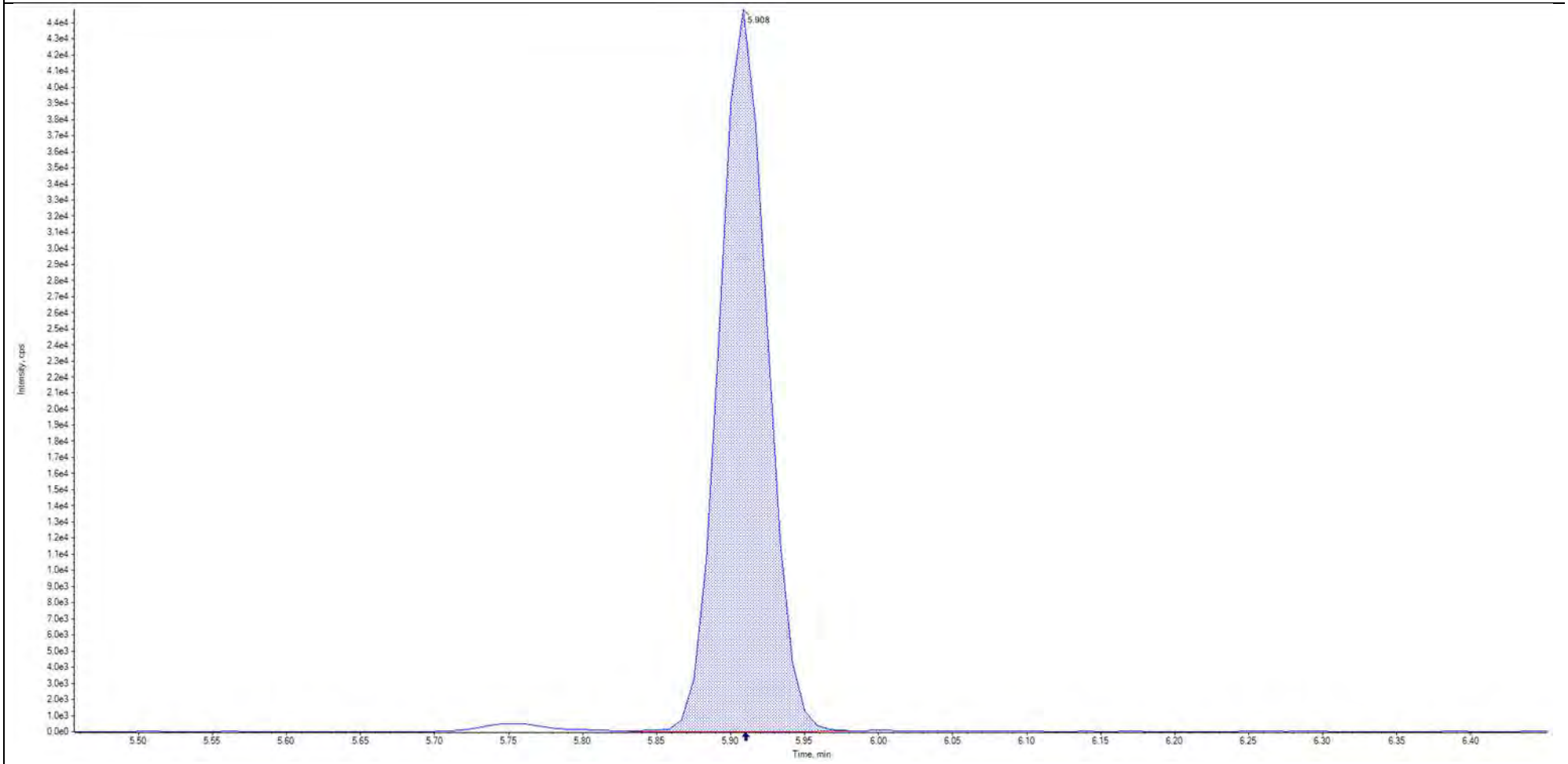
13C2-8:2FTS
Sample: IA1633STD-25



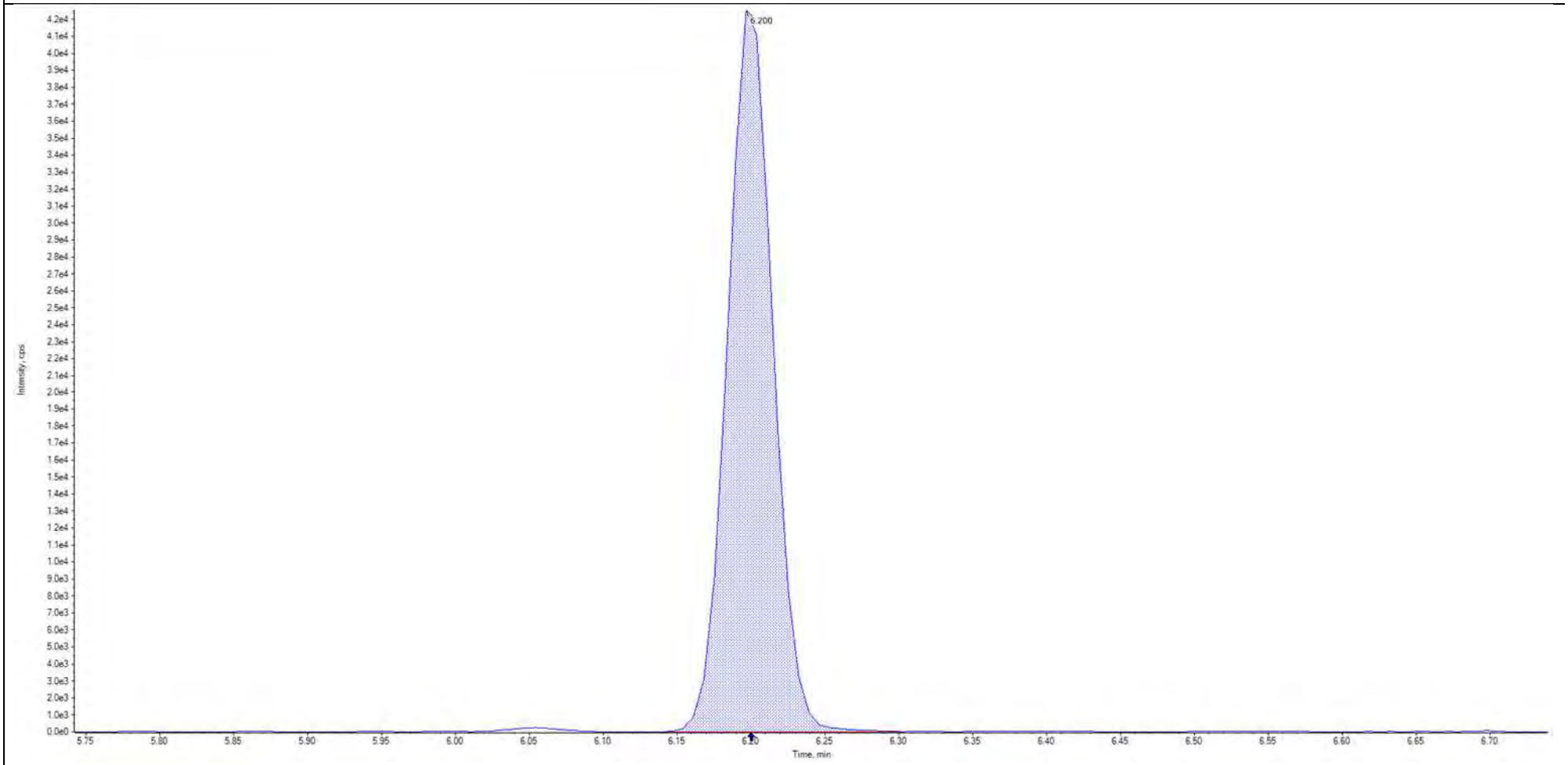
13C8-PFOSA
Sample: IA1633STD-25



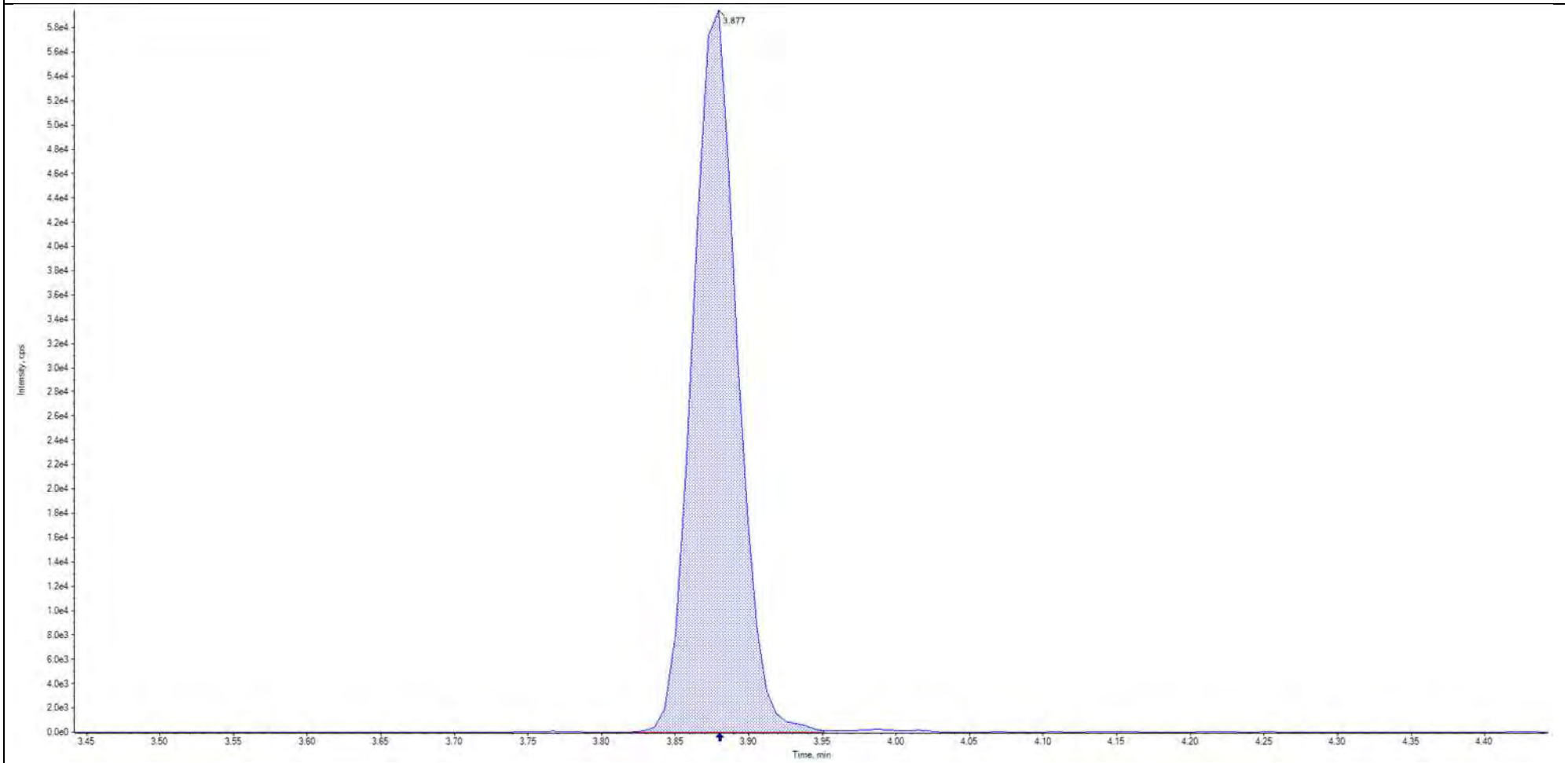
d3-NMeFOSA
Sample: IA1633STD-25



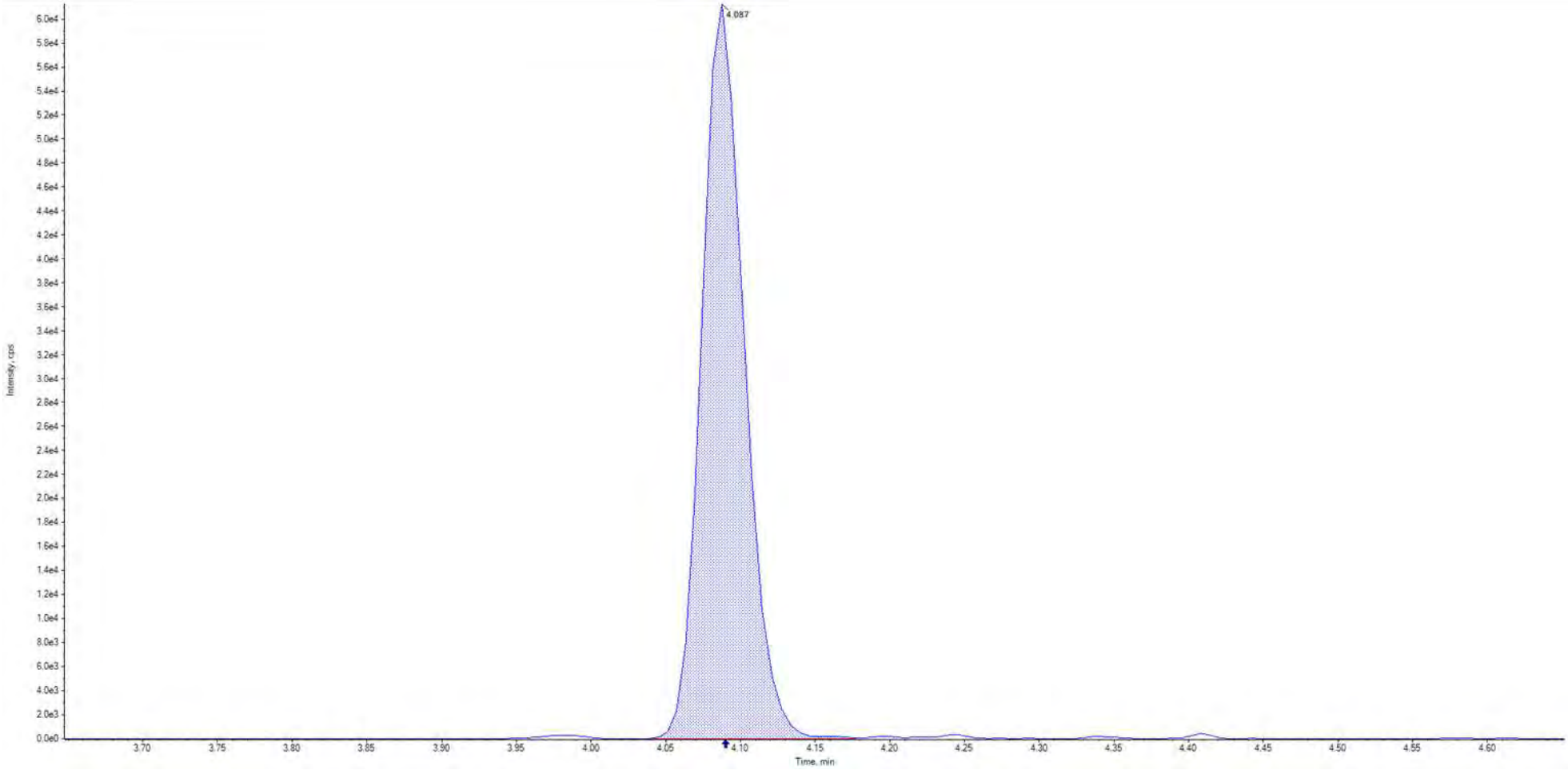
d5-NEtFOSA
Sample: IA1633STD-25



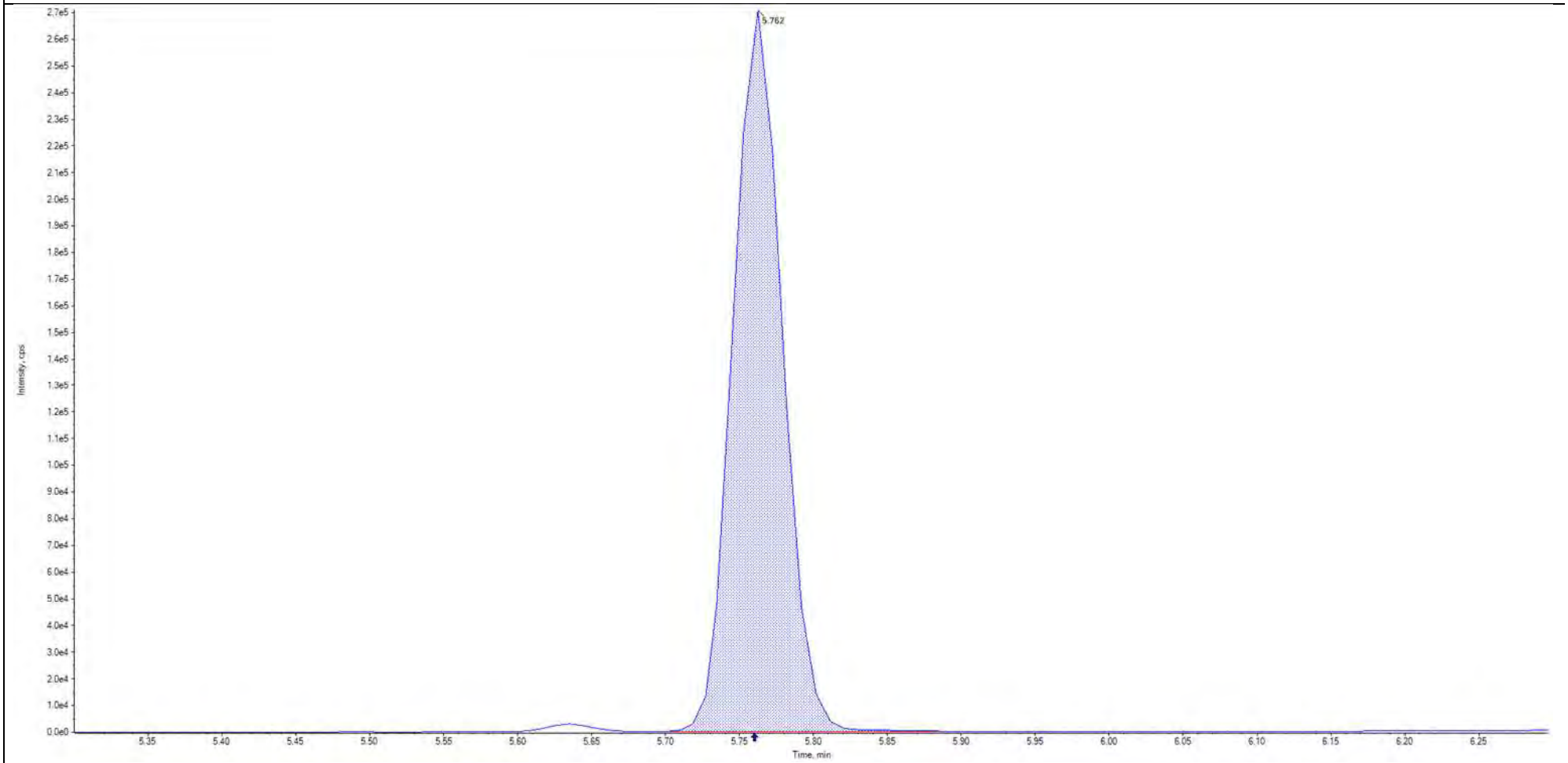
d3-NMeFOSAA
Sample: IA1633STD-25



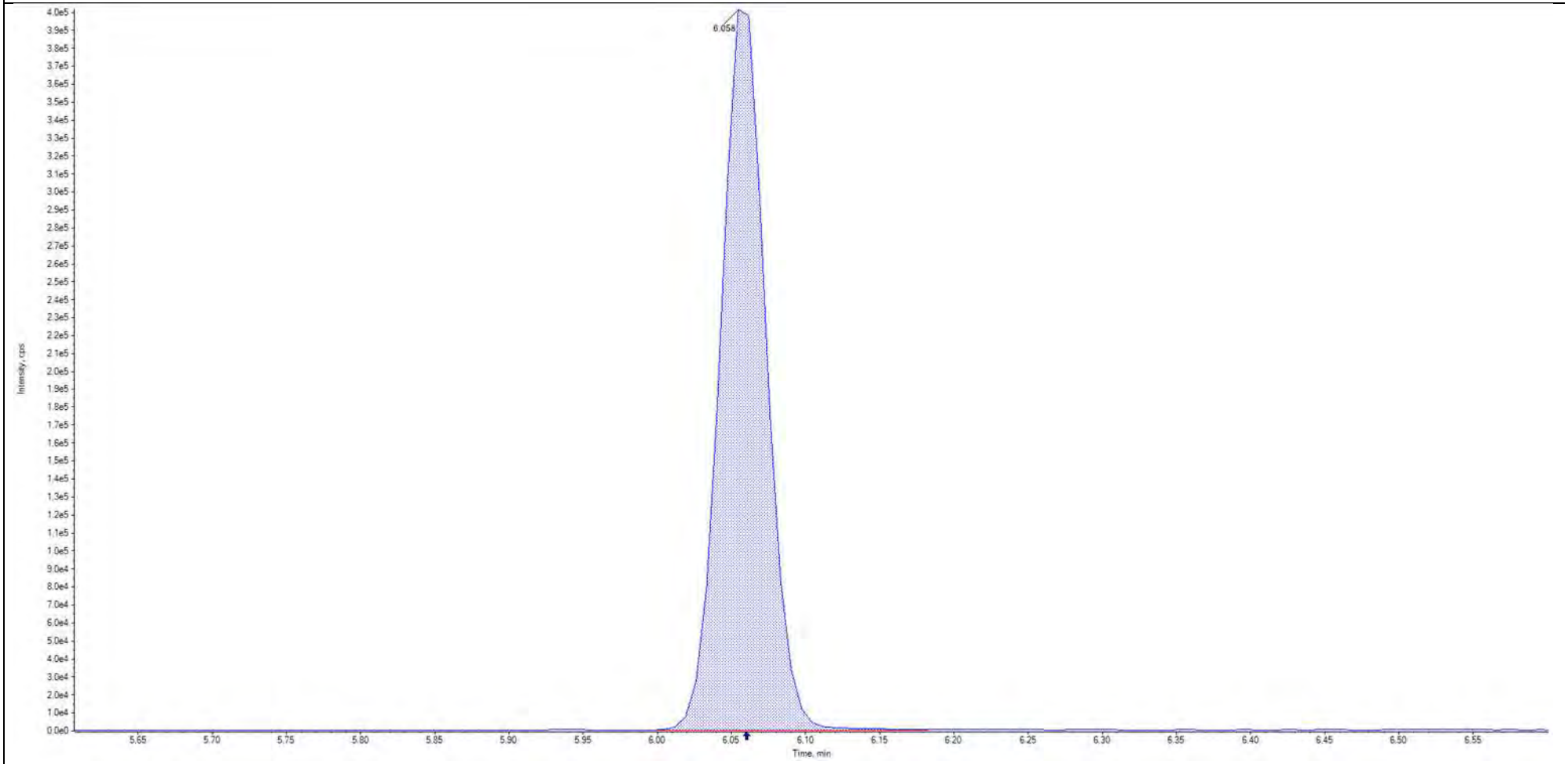
d5-NEtFOSAA
Sample: IA1633STD-25



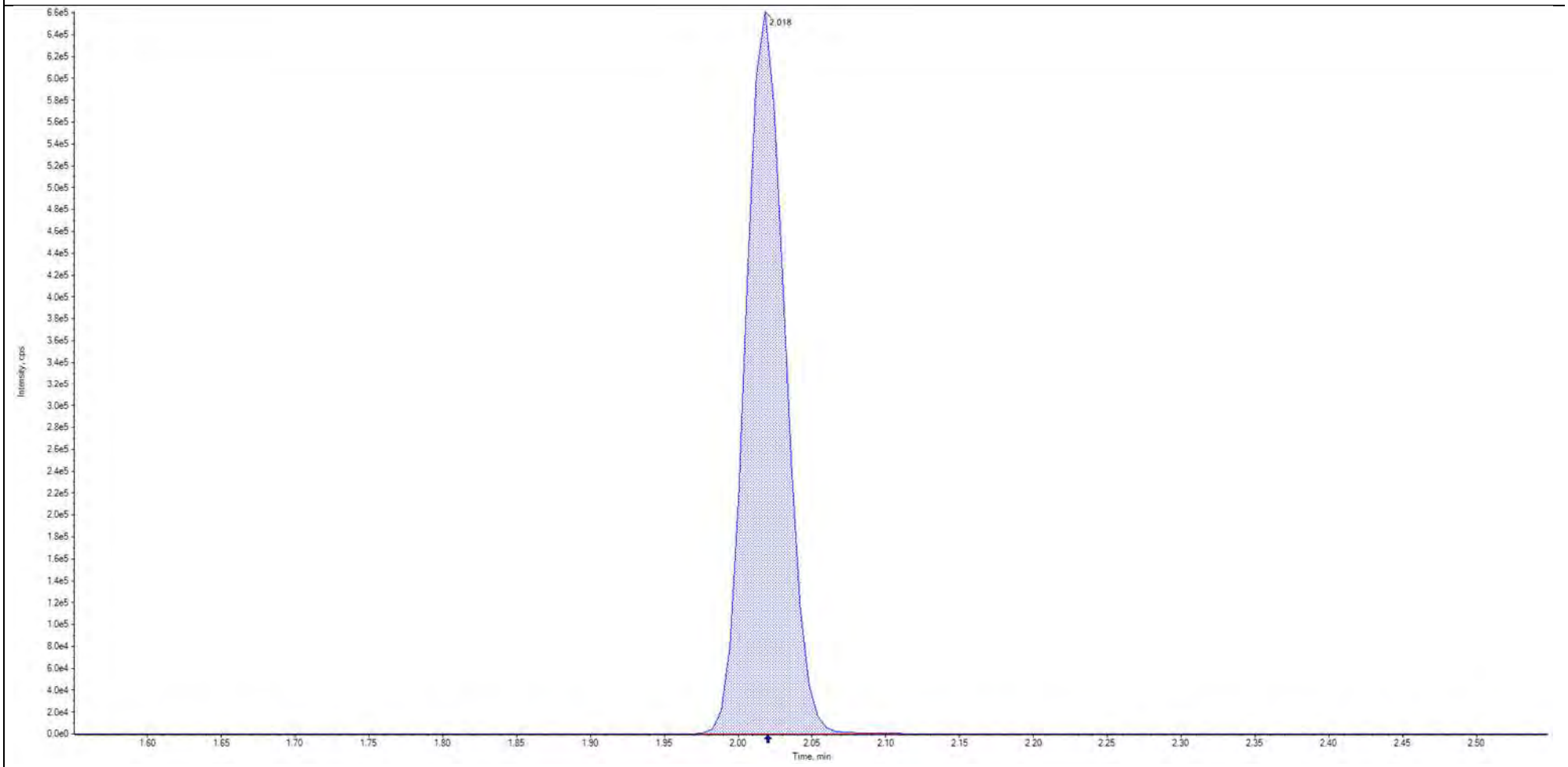
d7-NMeFOSE
Sample: IA1633STD-25



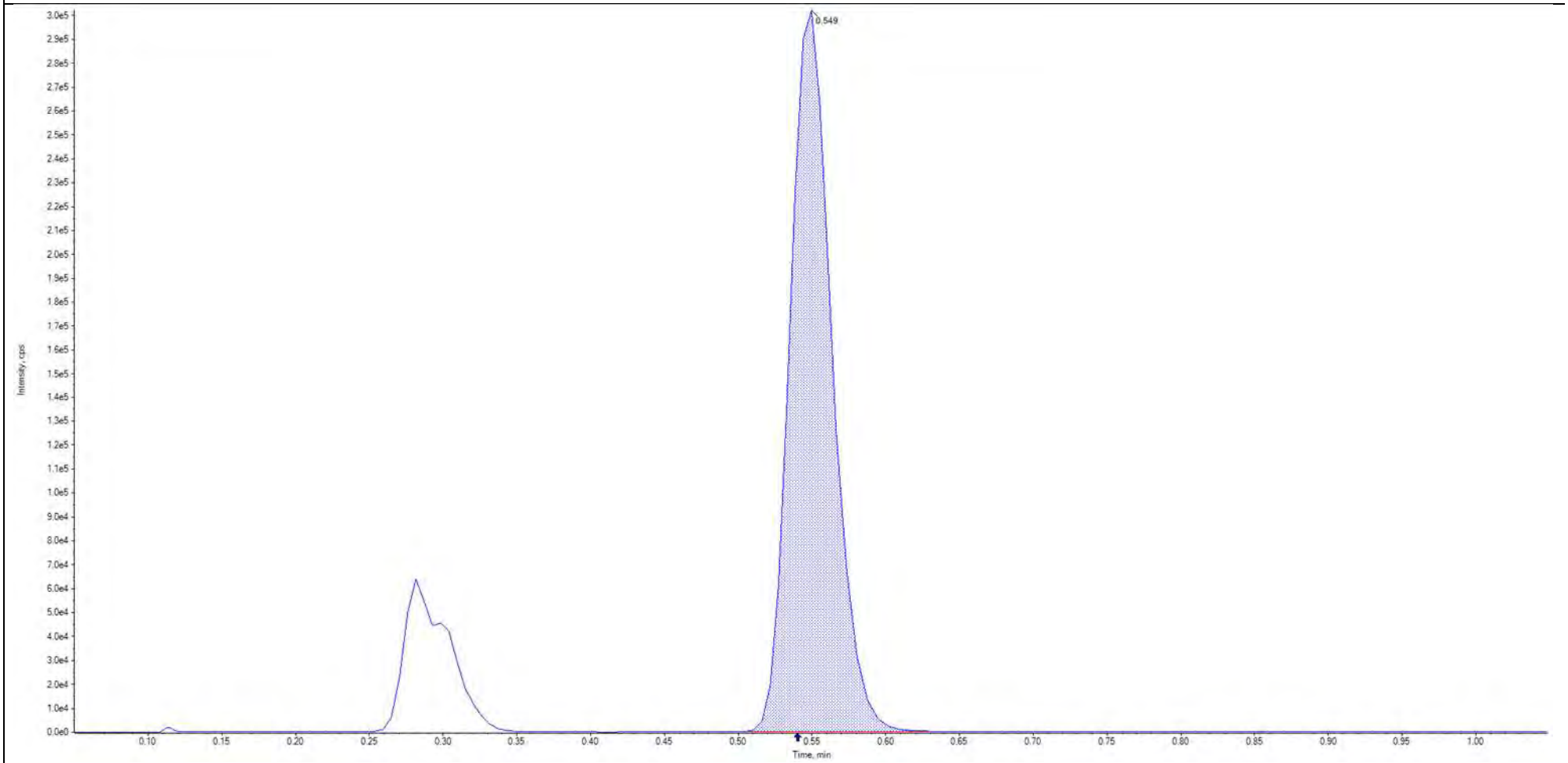
d9-NEtFOSE
Sample: IA1633STD-25



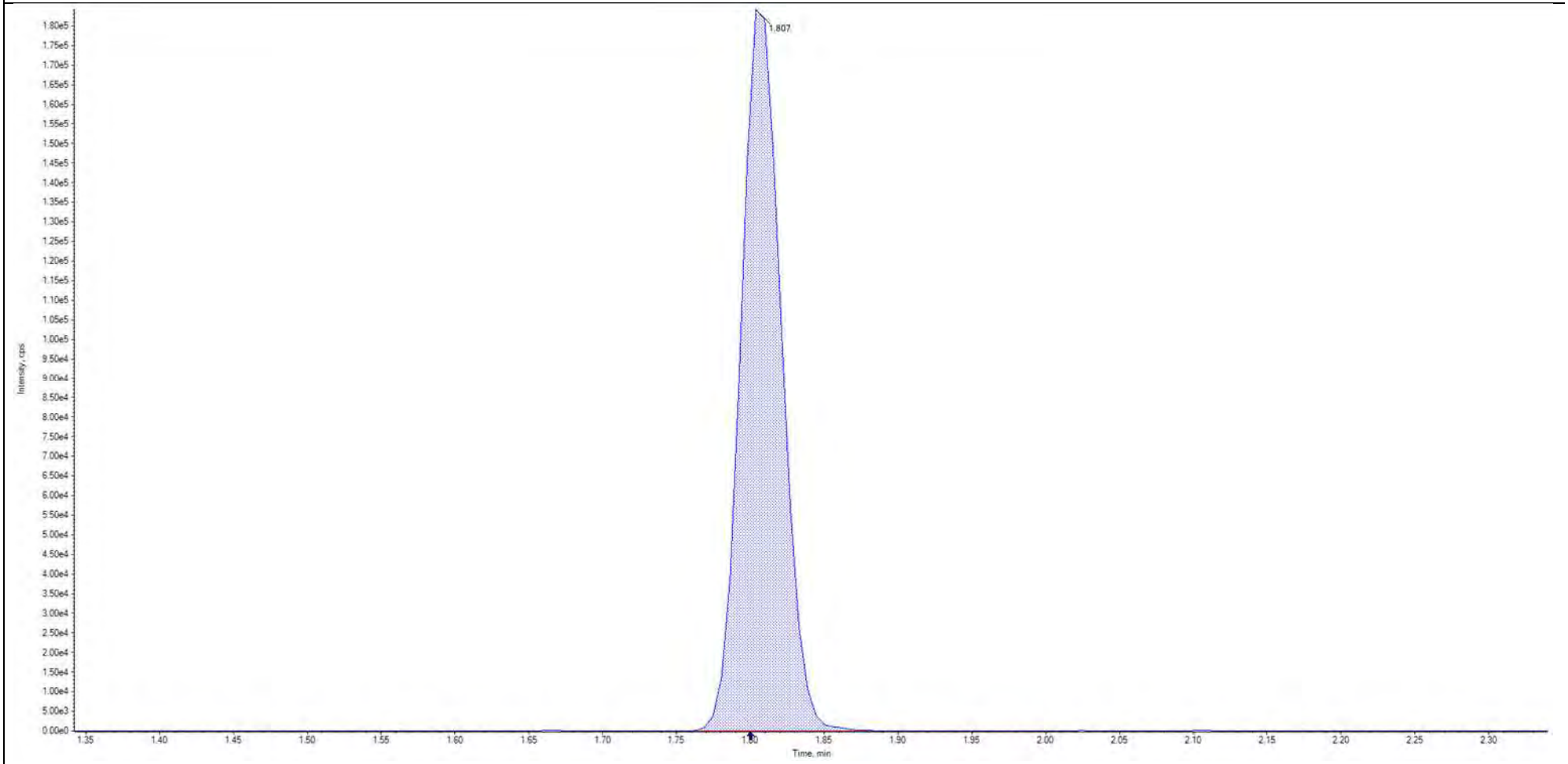
13C3-HFPO-DA
Sample: IA1633STD-25



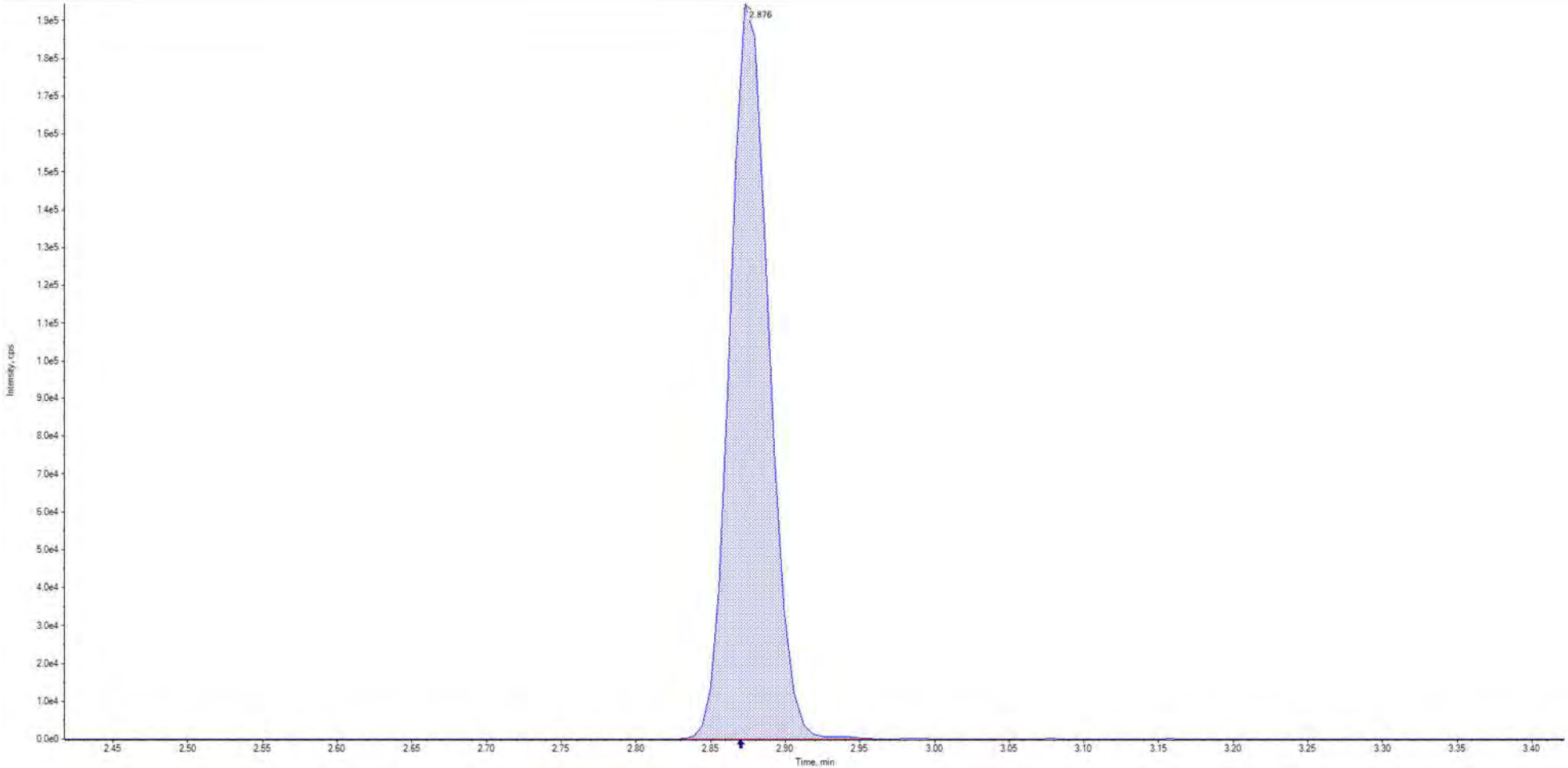
13C3-PFBA
Sample: IA1633STD-25



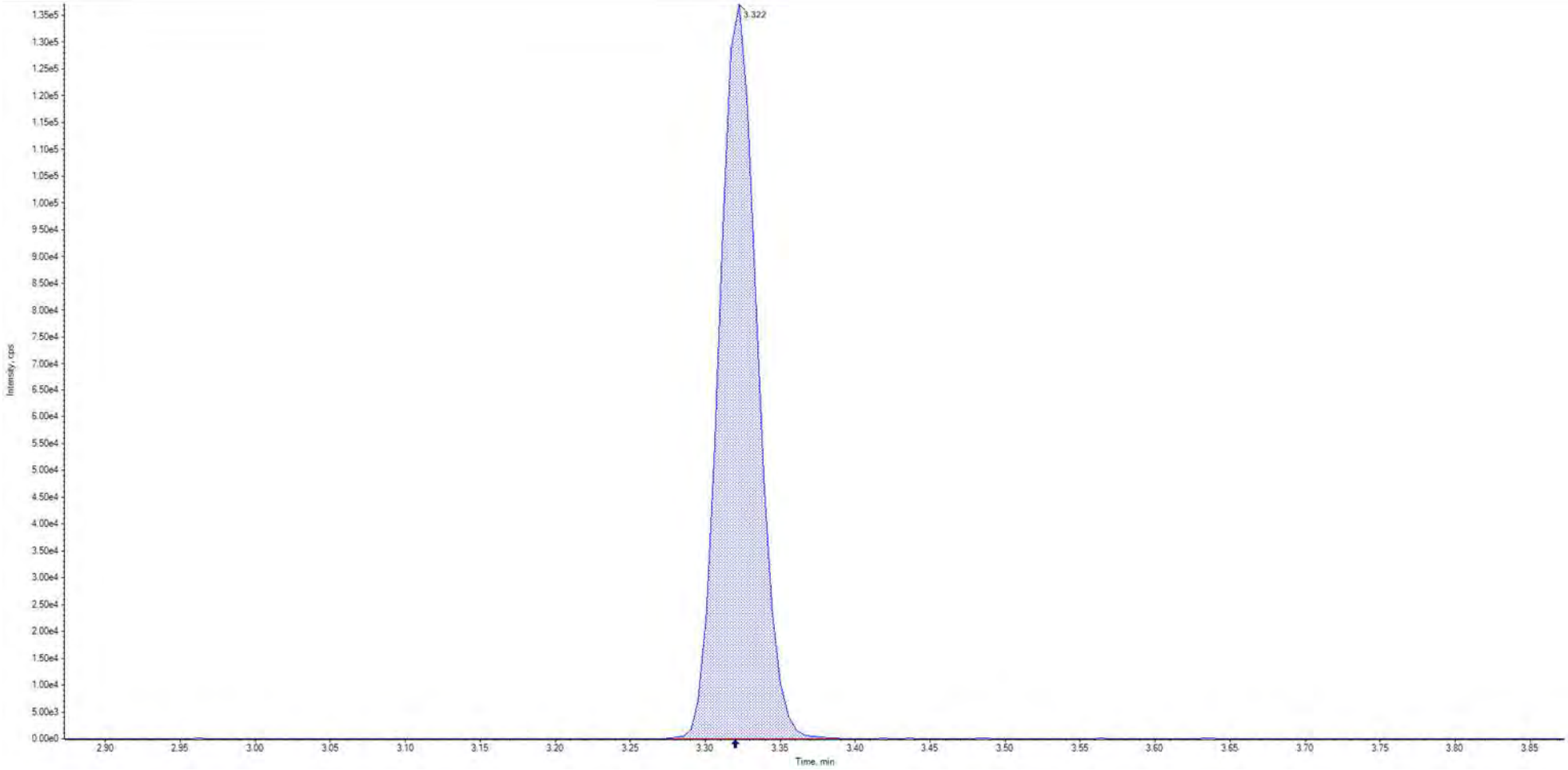
13C2-PFHxA
Sample: IA1633STD-25



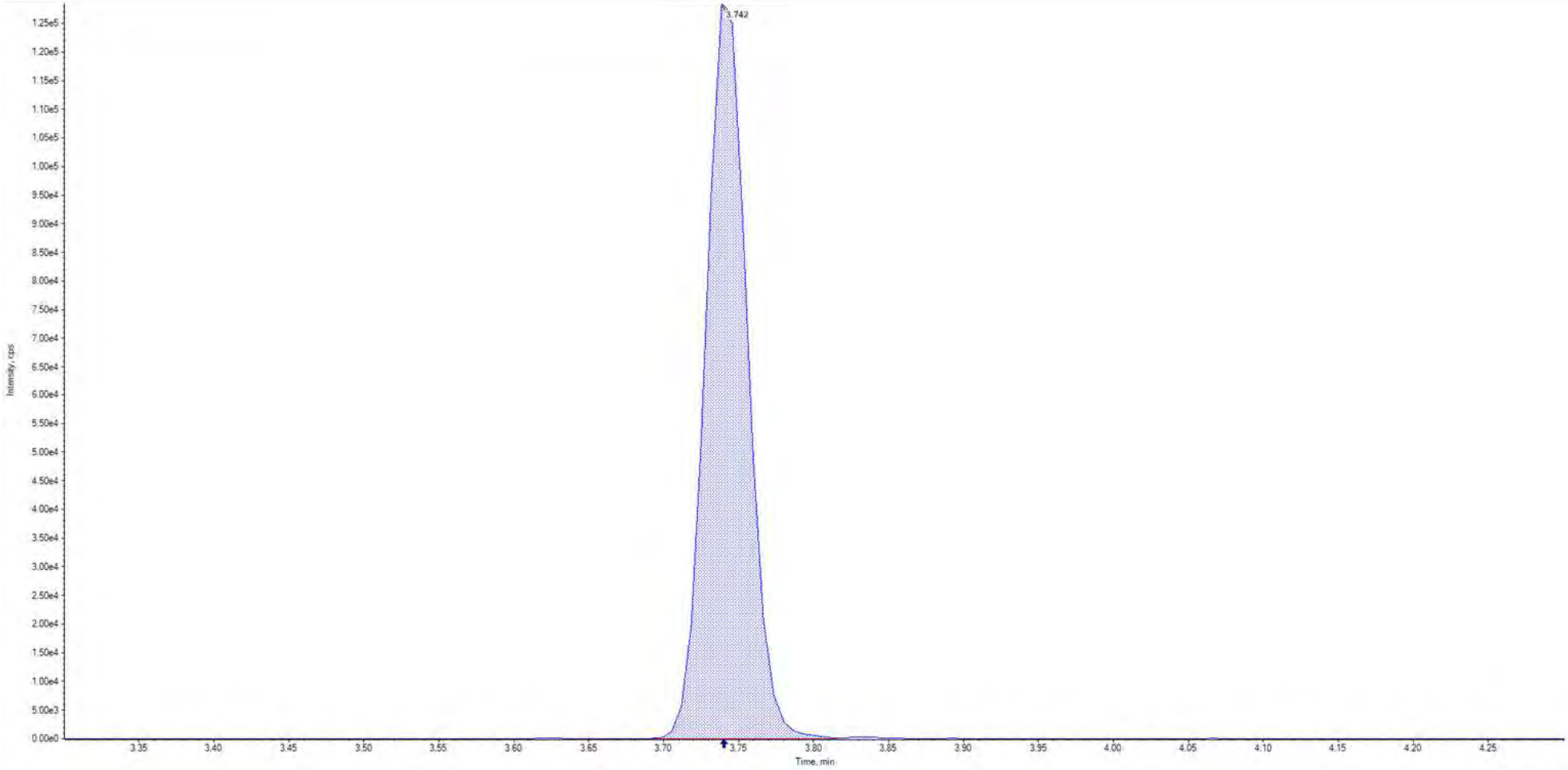
13C4-PFOA
Sample: IA1633STD-25



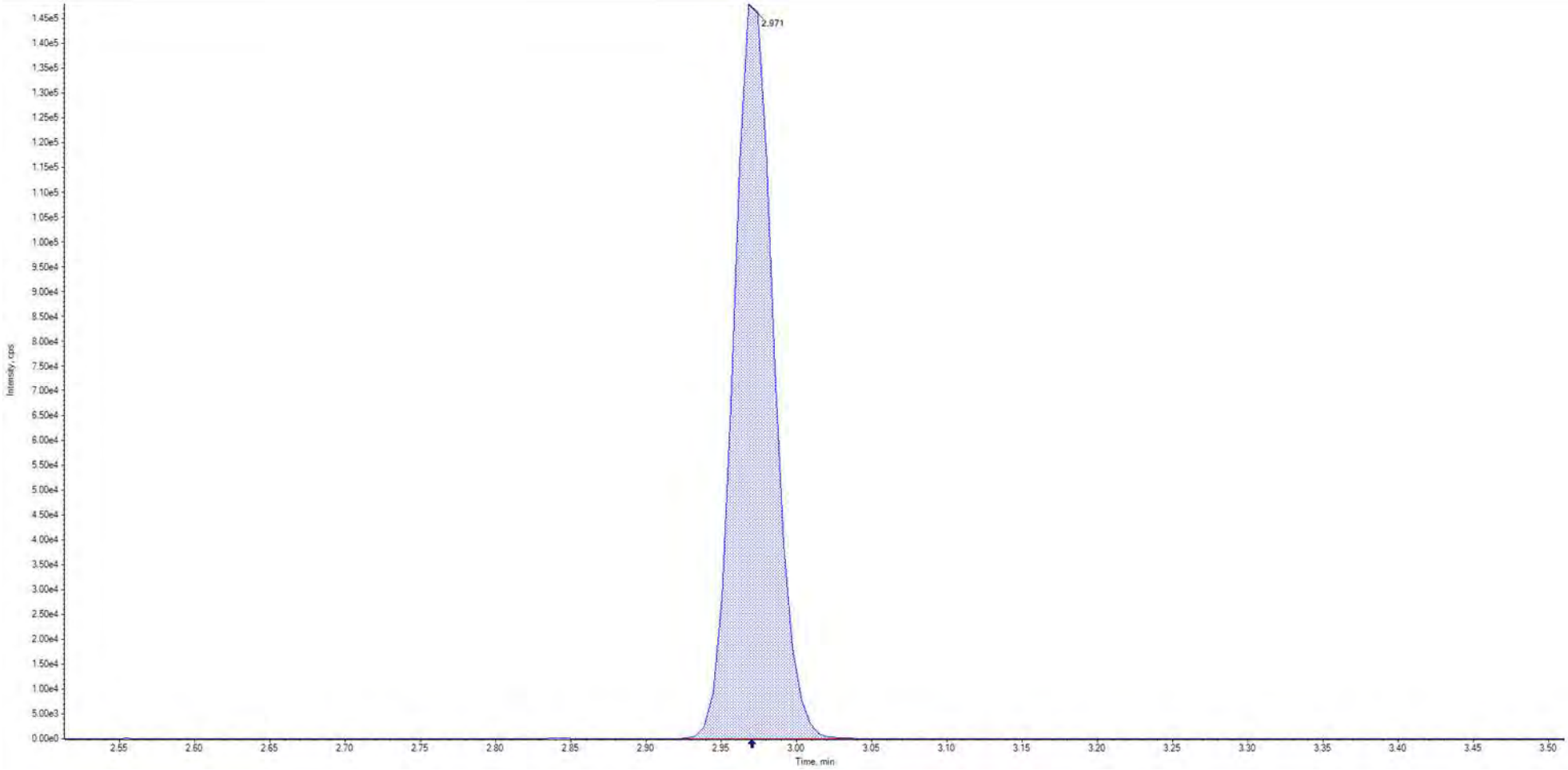
13C5-PFNA
Sample: IA1633STD-25



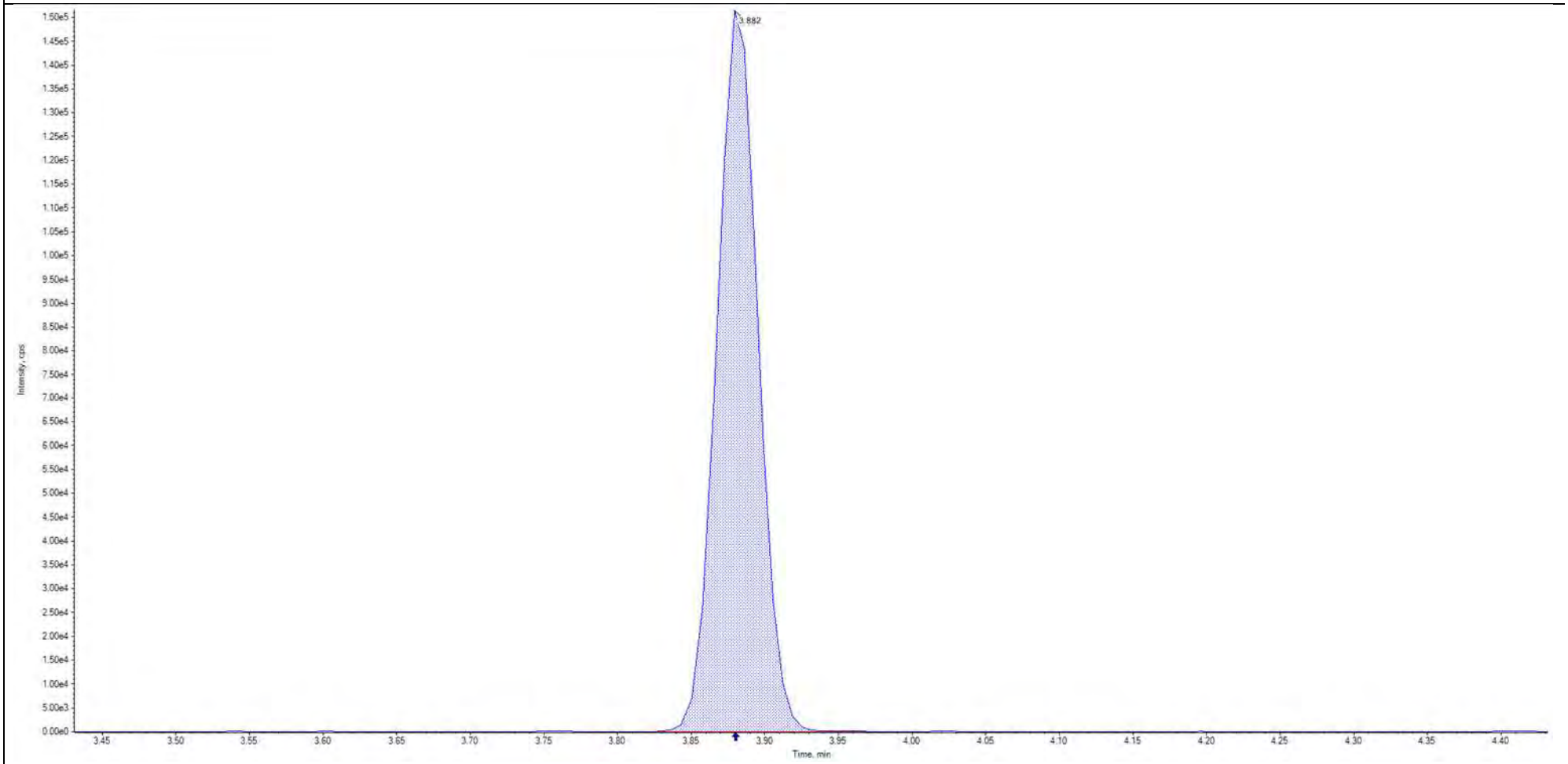
13C2-PFDA
Sample: IA1633STD-25



18O2-PFHxS
Sample: IA1633STD-25



13C4-PFOS
Sample: IA1633STD-25



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Last Altered: 11/12/2024 3:16:42 PM
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Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Method: EPA1633F.qmethod
Calibration: 241112_1633_ICAL

ID: IA1633STD-50
Name: SCI09_241112_23.wiff2
Date & Time: 2024-11-12T14:49:54
Description: WG1996415
Instrument: SCIEX Triple Quad 5500+
User: LCMS09:PNB

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.56	213.0 / 169.0	20911351		206.044	N/A	N/A	N/A	103.0
2	PFPeA	2706-90-3	1.09	263.0 / 219.0	10516986		106.772	0.007	N/A	N/A	106.8
3	PFPeA_2	2706-90-3	1.09	263.0 / 68.9	77818		90.646	0.007	N/A	N/A	90.7
4	PFHxA	307-24-4	1.83	313.0 / 269.0	7047845		49.570	0.090	0.089	Pass	99.1
5	PFHxA_2	307-24-4	1.83	313.0 / 119.0	632191		48.954	0.090	0.089	Pass	97.9
6	PFHpA	375-85-9	2.41	363.1 / 319.0	8200726		47.931	0.397	0.384	Pass	95.9
7	PFHpA_2	375-85-9	2.41	363.1 / 169.0	3258925		48.965	0.397	0.384	Pass	97.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	2.90	413.1 / 369.1	8652103	M5	50.271	0.402	0.410	Pass	100.5
9	PFOA_2	335-67-1	2.90	413.1 / 169.0	3481923	M5	49.454	0.402	0.410	Pass	98.9
10	PFNA	375-95-1	3.34	462.8 / 418.9	8122745	M5	49.253	0.362	0.341	Pass	98.5
11	PFNA_2	375-95-1	3.34	462.8 / 219.0	2943187	M5	51.759	0.362	0.341	Pass	103.5
12	PFDA	335-76-2	3.76	513.1 / 469.1	8619712		53.909	0.181	0.215	Pass	107.8
13	PFDA_2	335-76-2	3.76	513.1 / 219.0	1556865		51.728	0.181	0.215	Pass	103.5
14	PFUnA	2058-94-8	4.16	563.1 / 519.1	8692073		53.579	0.141	0.151	Pass	107.2
15	PFUnA_2	2058-94-8	4.16	563.1 / 269.0	1222010		50.608	0.141	0.151	Pass	101.2
16	PFDoA	307-55-1	4.55	613.1 / 569.1	10040339		48.559	0.152	0.140	Pass	97.1
17	PFDoA_2	307-55-1	4.55	613.1 / 319.0	1521998		52.389	0.152	0.140	Pass	104.8
18	PFTrDA	72629-94-8	4.93	663.1 / 619.1	9372832		49.793	0.157	0.159	Pass	99.6
19	PFTrDA_2	72629-94-8	4.93	663.1 / 169.0	1473804		50.598	0.157	0.159	Pass	101.2
20	PFTeDA	376-06-7	5.29	713.1 / 669.1	8741427		50.062	0.161	0.159	Pass	100.1
21	PFTeDA_2	376-06-7	5.29	713.1 / 169.0	1403780		50.300	0.161	0.159	Pass	100.6
22	PFBS	375-73-5	1.82	299.1 / 80.1	6061404		46.159	0.355	0.398	Pass	104.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	1.82	299.1 / 99.1	2153001		47.055	0.355	0.398	Pass	100.1
24	PFPeS	2706-91-4	2.46	349.1 / 80.1	6337879		47.627	0.316	0.285	Pass	101.3
25	PFPeS_2	2706-91-4	2.46	349.1 / 99.1	2000936		48.030	0.316	0.285	Pass	102.2
26	PFHxS	355-46-4	2.99	399.1 / 80.1	5694854	M5	44.556	0.308	0.293	Pass	97.7
27	PFHxS_2	355-46-4	2.99	399.1 / 99.1	1751470		47.670	0.308	0.293	Pass	104.5
28	PFHpS	375-92-8	3.46	449.1 / 80.1	6223934		50.260	0.291	0.308	Pass	105.6
29	PFHpS_2	375-92-8	3.46	449.1 / 99.1	1811143		50.082	0.291	0.308	Pass	105.2
30	PFOS	1763-23-1	3.90	499.1 / 80.1	6737456	M5	46.898	0.251	0.241	Pass	101.1
31	PFOS_2	1763-23-1	3.90	499.1 / 99.1	1693965	M5	48.665	0.251	0.241	Pass	104.9
32	PFNS	68259-12-1	4.31	549.1 / 80.1	5309786		51.357	0.291	0.299	Pass	107.0
33	PFNS_2	68259-12-1	4.31	549.1 / 99.1	1542829		51.198	0.291	0.299	Pass	106.7
34	PFDS	335-77-3	4.70	599.1 / 80.1	5640768		51.317	0.282	0.274	Pass	106.5
35	PFDS_2	335-77-3	4.70	599.1 / 99.1	1589366		50.614	0.282	0.274	Pass	105.0
36	PFDoS	79780-39-5	5.44	699.2 / 80.1	5099348		53.310	0.249	0.247	Pass	110.1
37	PFDoS_2	79780-39-5	5.44	699.2 / 99.1	1270307		51.787	0.249	0.247	Pass	107.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	1.63	327.1 / 307.1	5848933		190.074	0.623	0.634	Pass	101.6
39	4:2FTS_2	757124-72-4	1.63	327.1 / 81.1	3642197		187.267	0.623	0.634	Pass	100.1
40	6:2FTS	27619-97-2	2.72	427.2 / 407.2	5325274		179.850	0.624	0.609	Pass	94.7
41	6:2FTS_2	27619-97-2	2.72	427.2 / 81.1	3322520		180.630	0.624	0.609	Pass	95.1
42	8:2FTS	39108-34-4	3.58	527.2 / 507.2	4884884		173.583	0.664	0.681	Pass	90.4
43	8:2FTS_2	39108-34-4	3.58	527.2 / 81.1	3244973		177.934	0.664	0.681	Pass	92.7
44	PFOSA	754-91-6	5.18	498.1 / 78.1	9835268	M5	53.516	0.024	0.024	Pass	107.0
45	PFOSA_2	754-91-6	5.18	498.1 / 478.0	240509	M5	53.023	0.024	0.024	Pass	106.1
46	NMeFOSA	31506-32-8	5.93	512.2 / 219.0	2251333	M5	50.523	1.403	1.421	Pass	101.1
47	NMeFOSA_2	31506-32-8	5.88	512.2 / 169.0	3157691	M5	49.248	1.403	1.421	Pass	98.5
48	NEtFOSA	4151-50-2	6.22	526.2 / 219.0	2129088		51.283	1.262	1.258	Pass	102.6
49	NEtFOSA_2	4151-50-2	6.18	526.2 / 169.0	2687318		50.085	1.262	1.258	Pass	100.2
50	NMeFOSAA	2355-31-9	3.89	570.2 / 419.1	1007846		54.624	0.704	0.683	Pass	109.3
51	NMeFOSAA_2	2355-31-9	3.89	570.2 / 483.0	709151	M5	54.877	0.704	0.683	Pass	109.8
52	NEtFOSAA	2991-50-6	4.11	584.2 / 419.1	1167719		51.561	0.556	0.571	Pass	103.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.11	584.2 / 526.2	648964	M5	49.322	0.556	0.571	Pass	98.6
54	NMeFOSE	24448-09-7	5.79	616.1 / 58.9	28059218	M5	525.890	N/A	N/A	N/A	105.2
55	NEtFOSE	1691-99-2	6.09	630.0 / 58.9	37471150	M5	526.389	N/A	N/A	N/A	105.3
56	HFPO-DA	13252-13-6	2.04	285.0 / 169.0	23407343		207.014	0.511	0.510	Pass	103.5
57	HFPO-DA_2	13252-13-6	2.04	285.0 / 184.9	11962135		197.266	0.511	0.510	Pass	98.6
58	ADONA	919005-14-4	2.59	376.9 / 251.0	36249877		163.357	0.813	0.636	Pass	86.4
59	ADONA_2	919005-14-4	2.59	376.9 / 84.8	29473032		174.665	0.813	0.636	Pass	92.4
60	9Cl-PF3ONS	756426-58-1	4.18	530.8 / 351.1	41294401		159.632	0.352	0.326	Pass	85.4
61	9Cl-PF3ONS_2	756426-58-1	4.18	532.8 / 353.0	14521311		167.926	0.352	0.326	Pass	89.8
62	11Cl-PF3OUdS	763051-92-9	4.97	630.9 / 451.0	37149744		162.141	0.340	0.318	Pass	85.8
63	11Cl-PF3OUdS_2	763051-92-9	4.97	632.9 / 452.9	12623190		172.038	0.340	0.318	Pass	91.0
64	3:3FTCA	356-02-5	1.46	241.1 / 177.1	2340103		294.802	1.062	1.068	Pass	117.9
65	3:3FTCA_2	356-02-5	1.46	241.1 / 117.0	2484429		292.008	1.062	1.068	Pass	116.8
66	5:3FTCA	914637-49-3	2.95	341.1 / 237.1	45858183		1229.908	1.006	1.045	Pass	98.4
67	5:3FTCA_2	914637-49-3	2.95	341.1 / 217.0	46146546		1210.441	1.006	1.045	Pass	96.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	3.98	441.1 / 316.9	43202303		1312.514	1.166	1.285	Pass	105.0
69	7:3FTCA_2	812-70-4	3.98	441.1 / 337.1	50386581		1180.256	1.166	1.285	Pass	94.4
70	PFEESA	113507-82-7	2.13	315.1 / 135.0	34661763		84.731	0.082	0.081	Pass	95.0
71	PFEESA_2	113507-82-7	2.12	315.1 / 82.9	2849394		85.822	0.082	0.081	Pass	96.2
72	PFMPA	377-73-1	0.71	229.0 / 85.0	11788195		111.904	N/A	N/A	N/A	111.9
73	PFMBA	863090-89-5	1.35	279.0 / 85.0	13278446		106.010	N/A	N/A	N/A	106.0
74	NFDHA	151772-58-6	1.76	295.0 / 201.0	8568268		99.701	0.708	0.681	Pass	99.7
75	NFDHA_2	151772-58-6	1.76	295.0 / 84.9	6068281		98.043	0.708	0.681	Pass	98.0
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	5.357	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	5.357	N/A	N/A
78	13C2D4-4:2FTS	Surr	1.62	333.2 / 312.1	104342		5.104	N/A	N/A	N/A	102.1
79	13C2-PFOA	Surr	2.89	415.0 / 370.0	304489		2.348	N/A	N/A	N/A	93.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.56	217.0 / 172.0	1190342		9.831	NA	NA	NA	98.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.08	268.0 / 223.0	562087		4.916	NA	NA	NA	98.3
	13C5-PFHxA	EIS	1.83	318.0 / 273.0	310031		2.570	NA	NA	NA	102.8
	13C4-PFHpA	EIS	2.40	367.0 / 322.0	280978		2.791	NA	NA	NA	111.6
	13C8-PFOA	EIS	2.89	420.8 / 376.0	532357		2.330	NA	NA	NA	93.2
	13C9-PFNA	EIS	3.34	472.0 / 427.0	232475		1.241	NA	NA	NA	99.3
	13C6-PFDA	EIS	3.75	519.0 / 474.0	236004		1.166	NA	NA	NA	93.3
	13C7-PFUnA	EIS	4.16	570.0 / 525.0	249264		1.109	NA	NA	NA	88.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.55	615.1 / 570.0	294318		1.226	NA	NA	NA	98.1
	13C2-PFTeDA	EIS	5.29	715.1 / 670.1	221085		1.241	NA	NA	NA	99.2
	13C3-PFBS	EIS	1.82	302.1 / 80.1	305571		2.150	NA	NA	NA	92.3
	13C3-PFHxS	EIS	2.99	402.1 / 80.1	294591		2.339	NA	NA	NA	98.7
	13C8-PFOS	EIS	3.89	507.1 / 80.1	326232		2.352	NA	NA	NA	98.0
	13C2-4:2FTS	EIS	1.62	329.1 / 81.1	91821		4.650	NA	NA	NA	99.1
	13C2-6:2FTS	EIS	2.71	429.2 / 81.1	90145		5.143	NA	NA	NA	108.0
	13C2-8:2FTS	EIS	3.58	529.2 / 81.1	108143		5.213	NA	NA	NA	108.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	5.18	506.1 / 78.1	584684		2.483	NA	NA	NA	99.3
	d3-NMeFOSA	EIS	5.92	515.2 / 219.0	103252		2.678	NA	NA	NA	107.1
	d5-NEtFOSA	EIS	6.21	531.2 / 219.0	93272		2.666	NA	NA	NA	106.6
	d3-NMeFOSAA	EIS	3.89	573.2 / 419.1	116301		4.858	NA	NA	NA	97.2
	d5-NEtFOSAA	EIS	4.10	589.3 / 419.1	120075		5.089	NA	NA	NA	101.8
	d7-NMeFOSE	EIS	5.77	623.2 / 58.9	618765		24.774	NA	NA	NA	99.1
	d9-NEtFOSE	EIS	6.07	639.2 / 58.9	825083		24.549	NA	NA	NA	98.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.04	287.0 / 169.0	1185863		10.065	NA	NA	NA	100.6
	13C3-PFBA	NIS	0.56	216.0 / 172.0	527801		4.162	NA	NA	NA	83.2
	13C2-PFHxA	NIS	1.83	315.0 / 270.0	334726		2.247	NA	NA	NA	89.9
	13C4-PFOA	NIS	2.89	417.0 / 372.0	364236		2.527	NA	NA	NA	101.1
	13C5-PFNA	NIS	3.34	468.0 / 423.0	233136		1.142	NA	NA	NA	91.3
	13C2-PFDA	NIS	3.75	515.1 / 470.1	240319		1.140	NA	NA	NA	91.2
	18O2-PFHxS	NIS	2.99	403.1 / 84.1	262937		2.253	NA	NA	NA	95.1
	13C4-PFOS	NIS	3.89	503.1 / 80.1	276239		2.201	NA	NA	NA	91.7

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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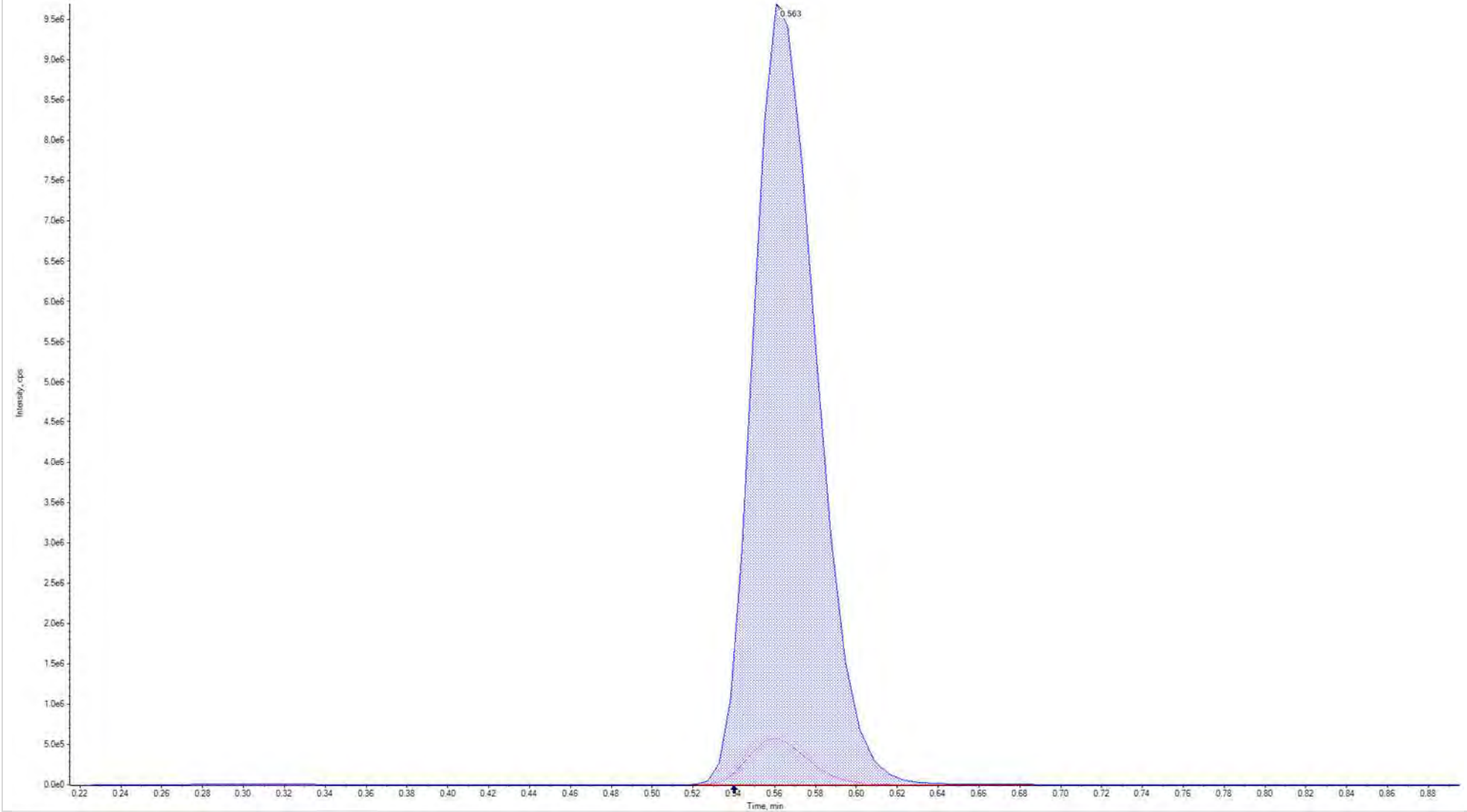
PFBA
Sample: IA1633STD-50 S/N:5384.4 Points Across peak:36



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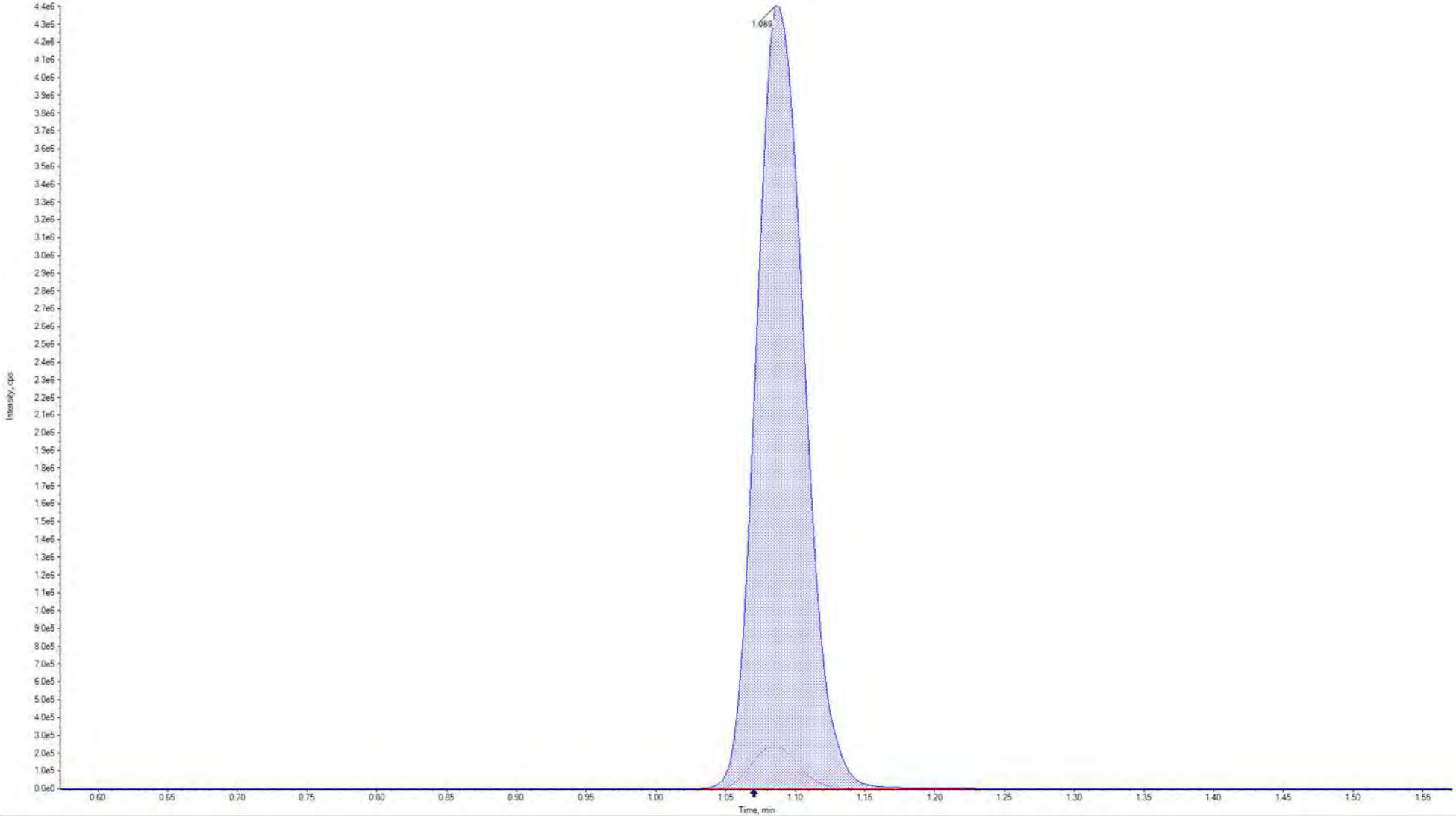
PFPeA
Sample: IA1633STD-50 S/N:17306.3 Points Across peak:59



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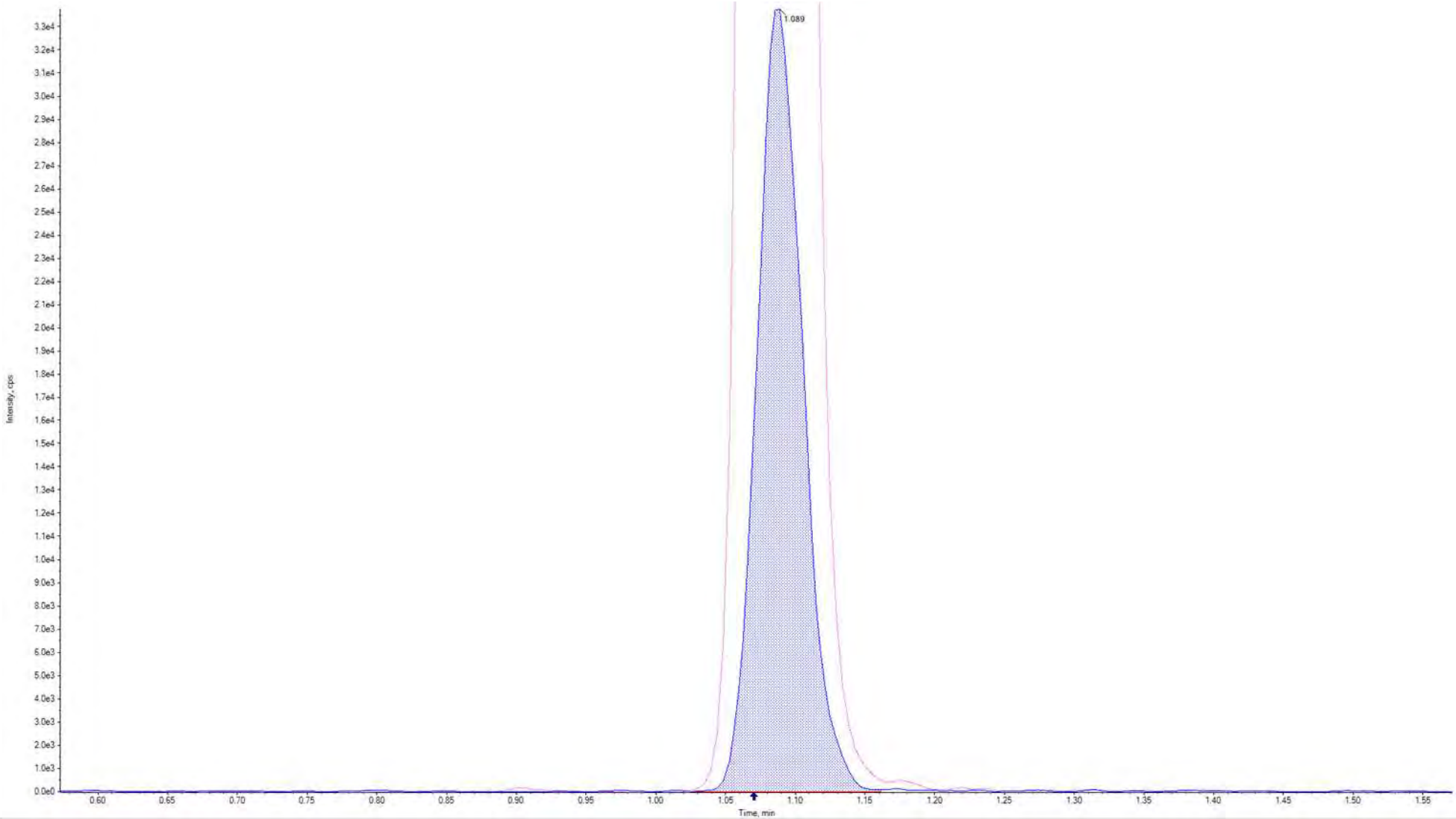
PFPeA_2
Sample: IA1633STD-50 S/N:2029.9 Points Across peak:37



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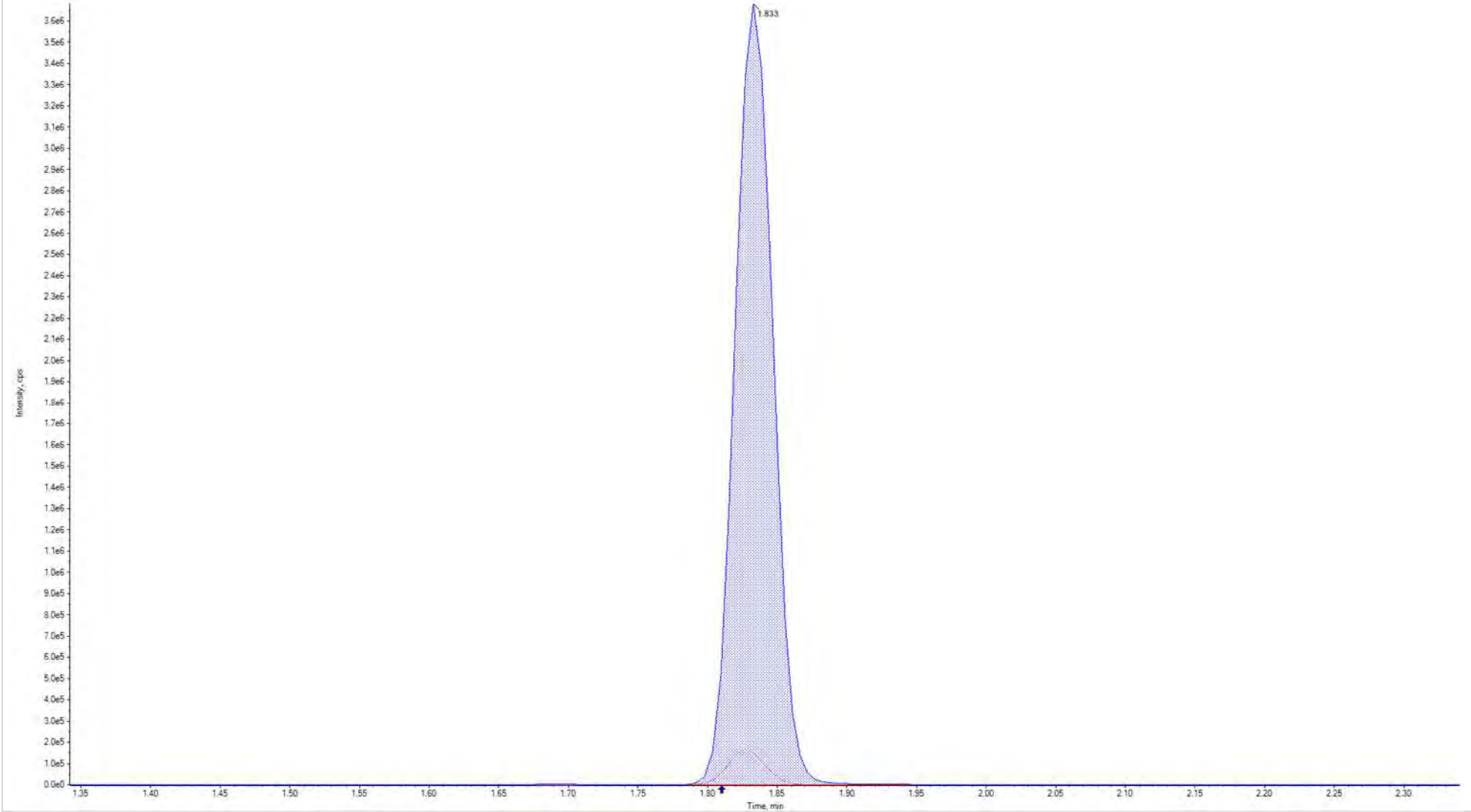
PFHxA
Sample: IA1633STD-50 S/N:11601.5 Points Across peak:35



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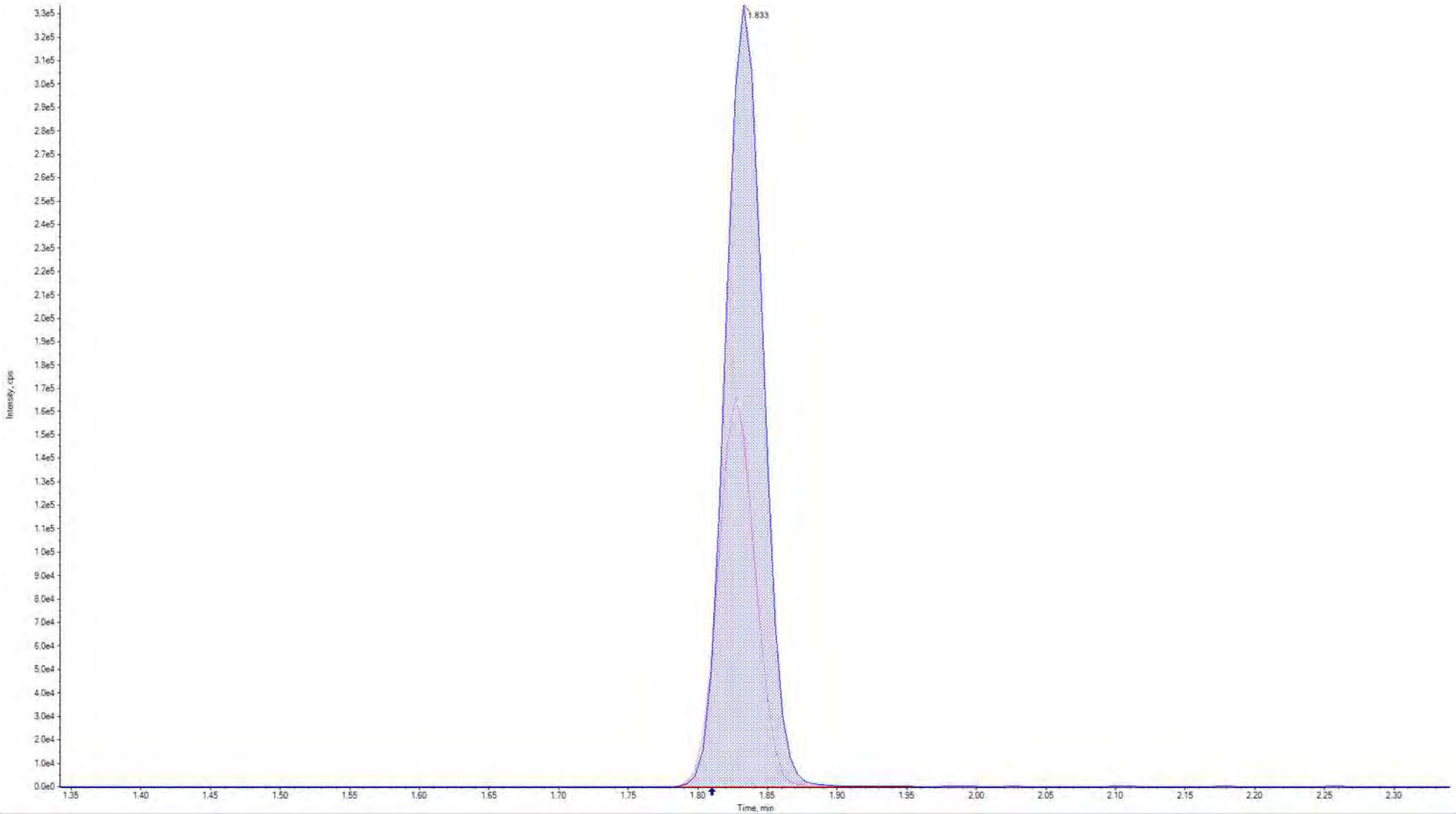
PFHxA_2
Sample: IA1633STD-50 S/N:2782.7 Points Across peak:35



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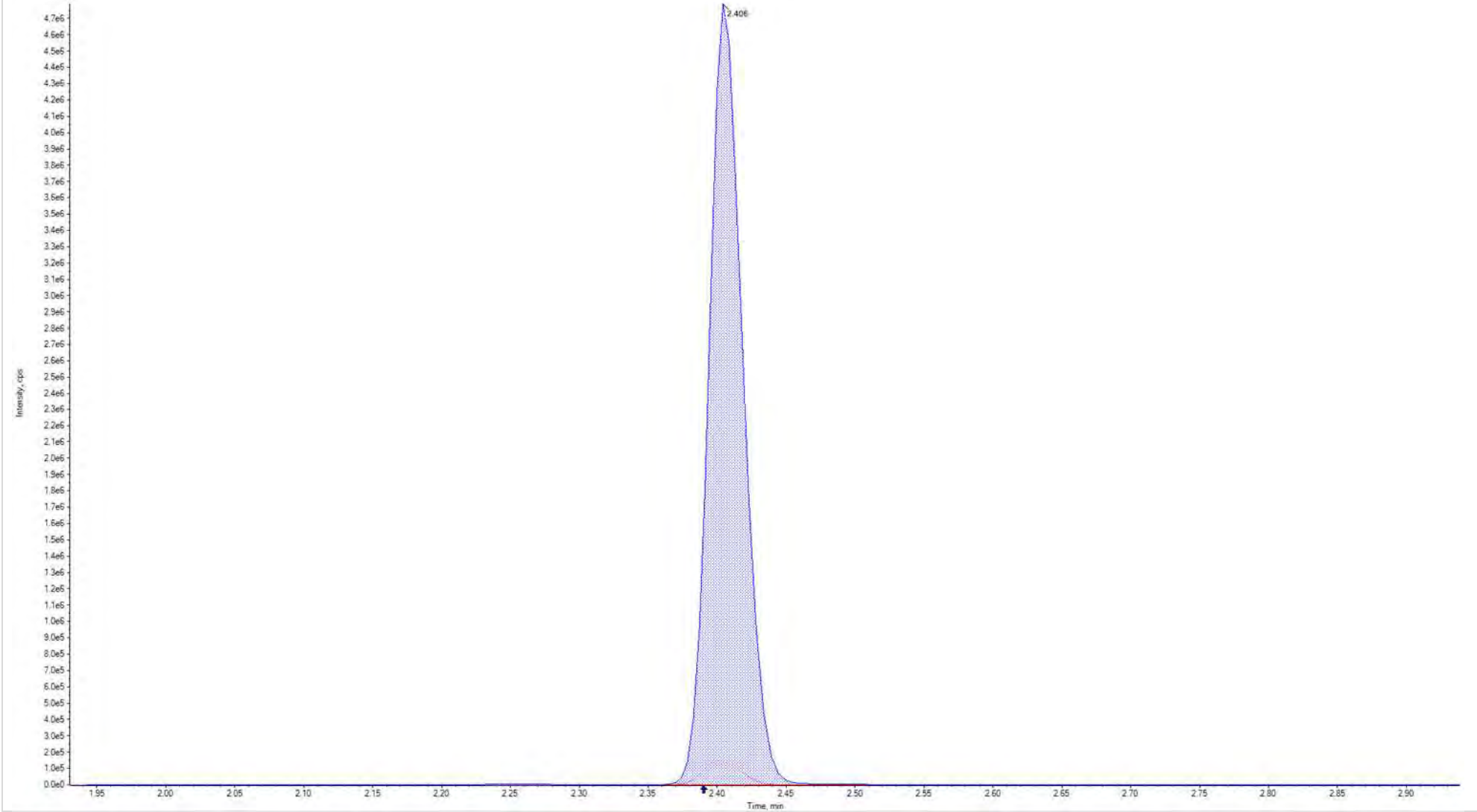
PFHpA
Sample: IA1633STD-50 S/N:25044.6 Points Across peak:40



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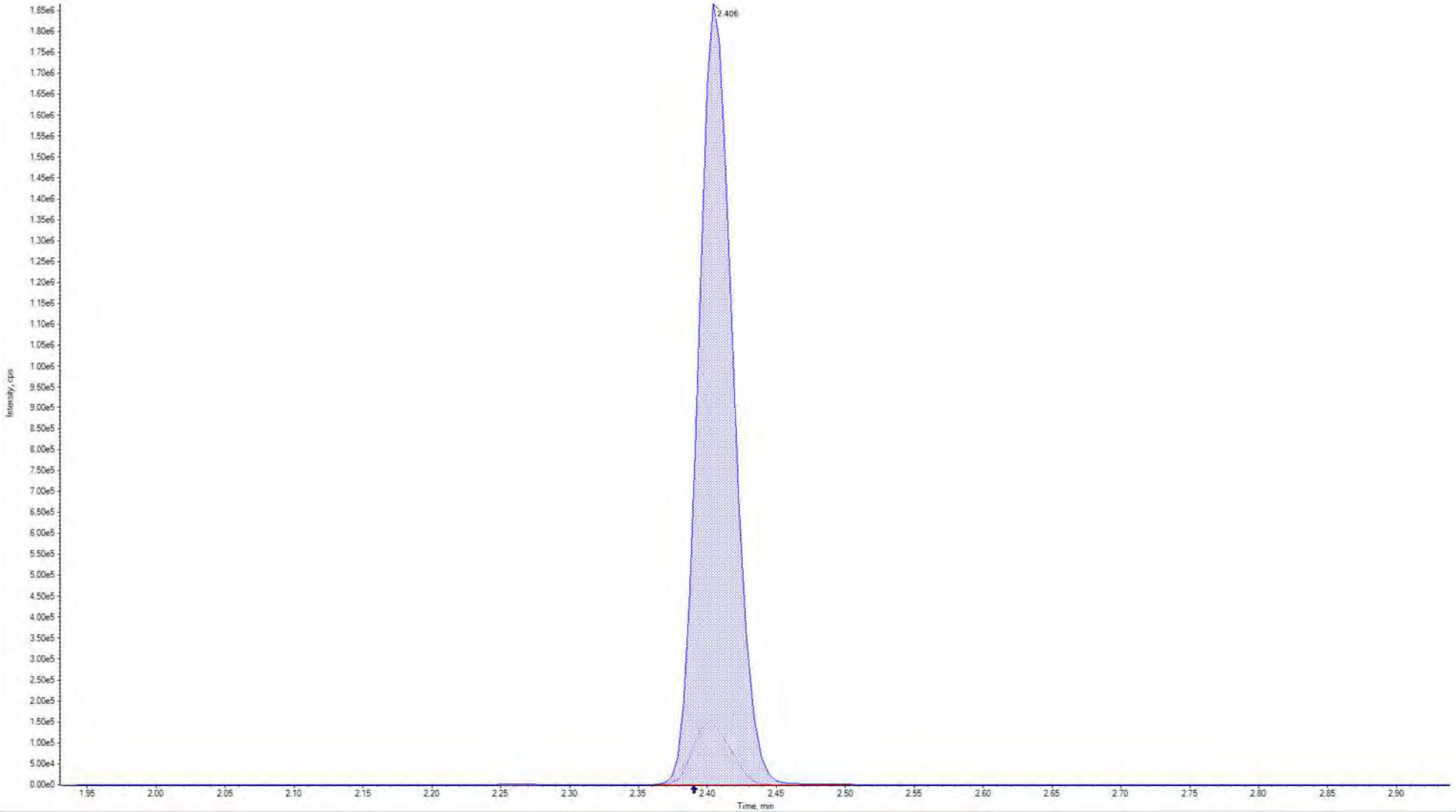
PFHpA_2
Sample: IA1633STD-50 S/N:37411.4 Points Across peak:38



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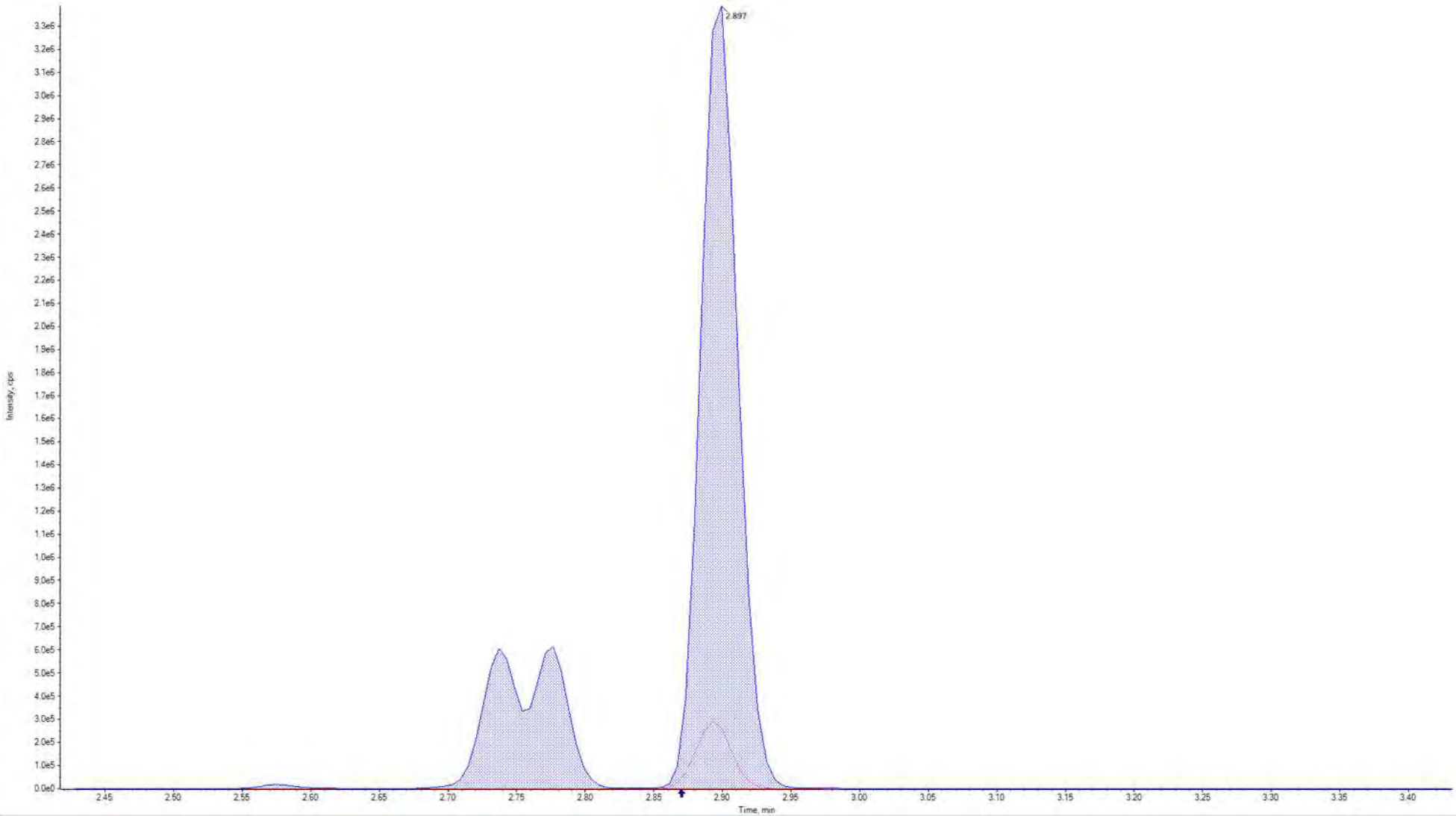
PFOA
Sample: IA1633STD-50 S/N:957.8 Points Across peak:74



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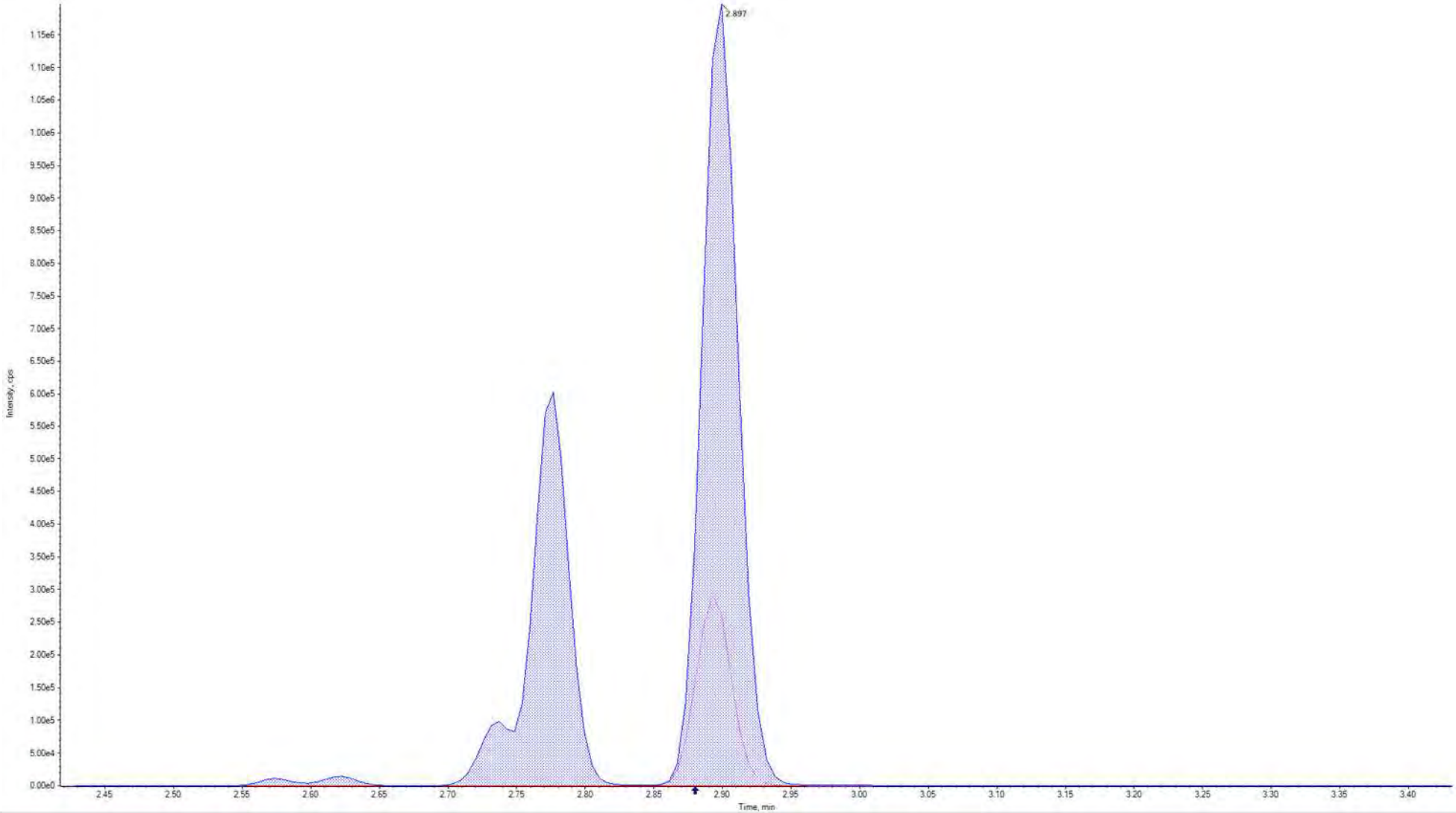
PFOA_2
Sample: IA1633STD-50 S/N:572.5 Points Across peak:71



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Alpha Analytical LLC
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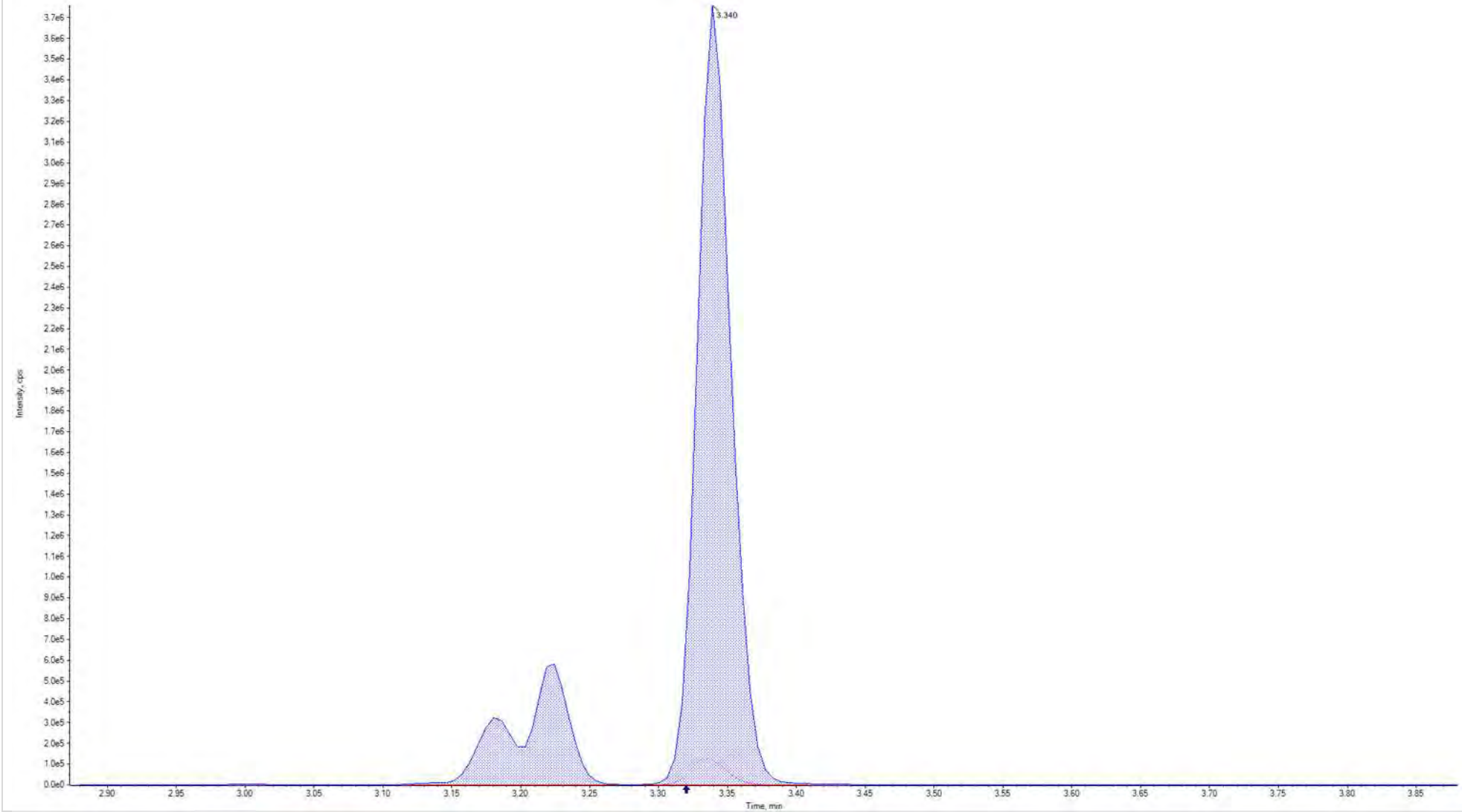
PFNA
Sample: IA1633STD-50 S/N:1054.2 Points Across peak:56



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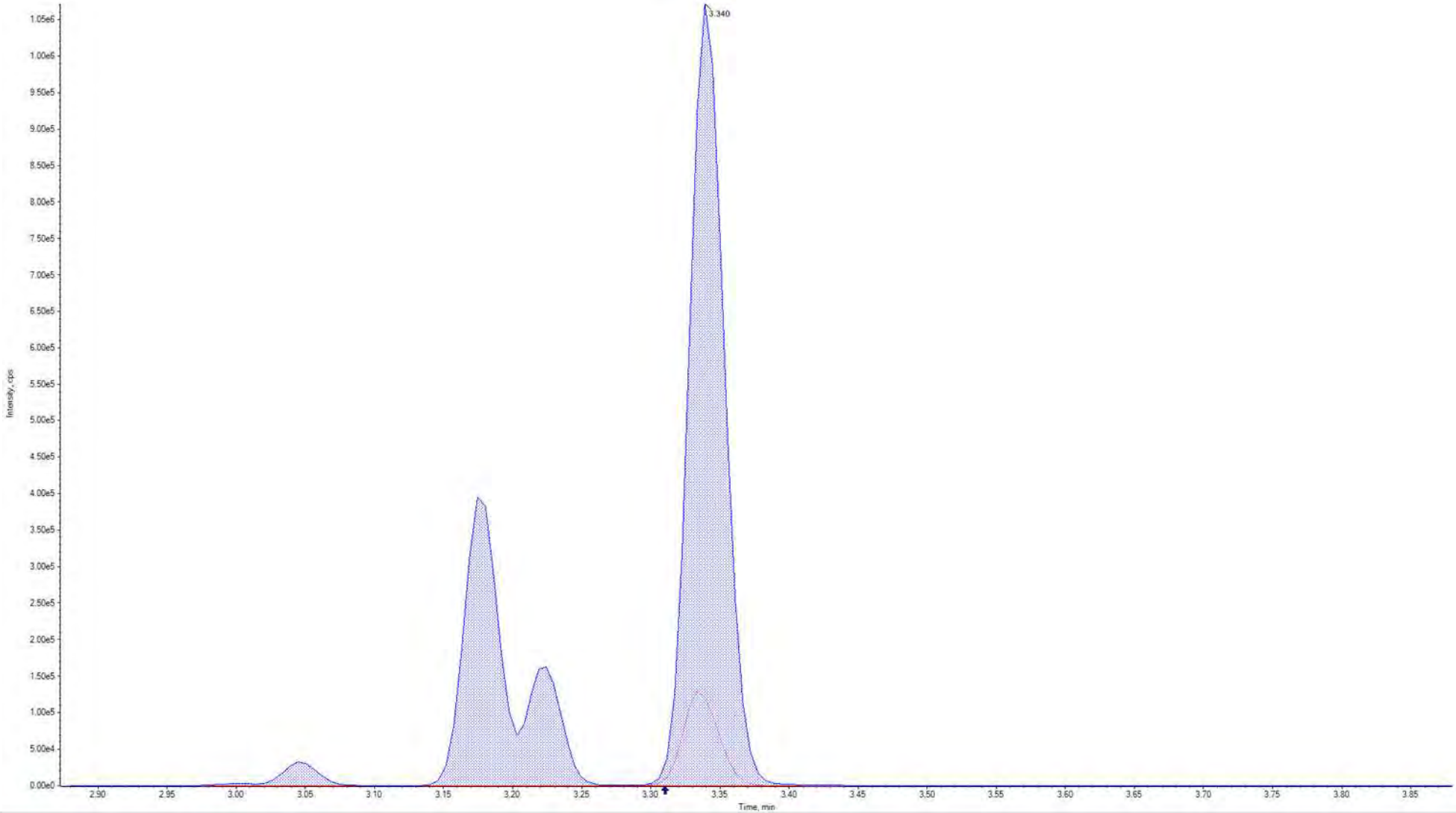
PFNA_2
Sample: IA1633STD-50 S/N:489.7 Points Across peak:79



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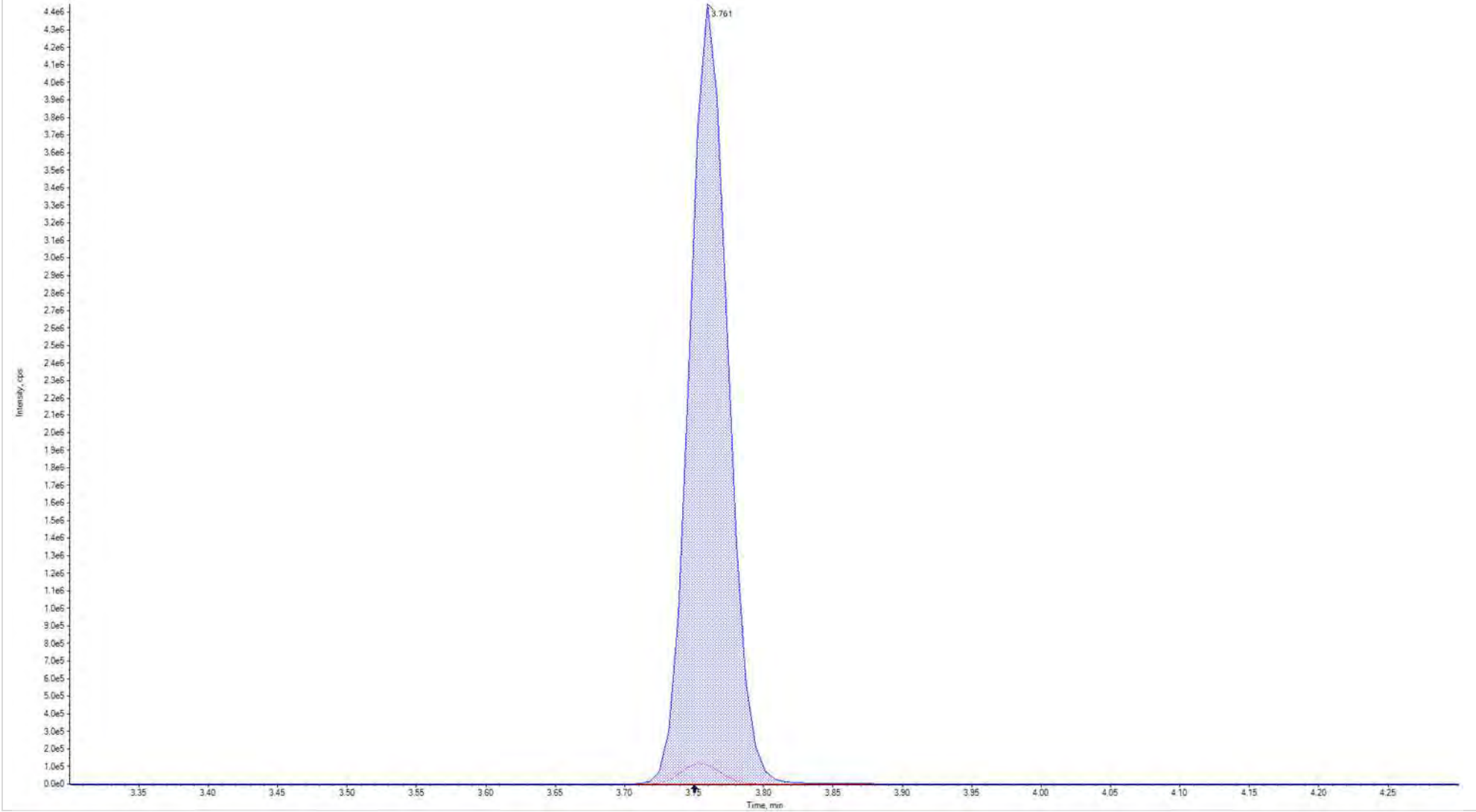
PFDA
Sample: IA1633STD-50 S/N:25821.3 Points Across peak:37



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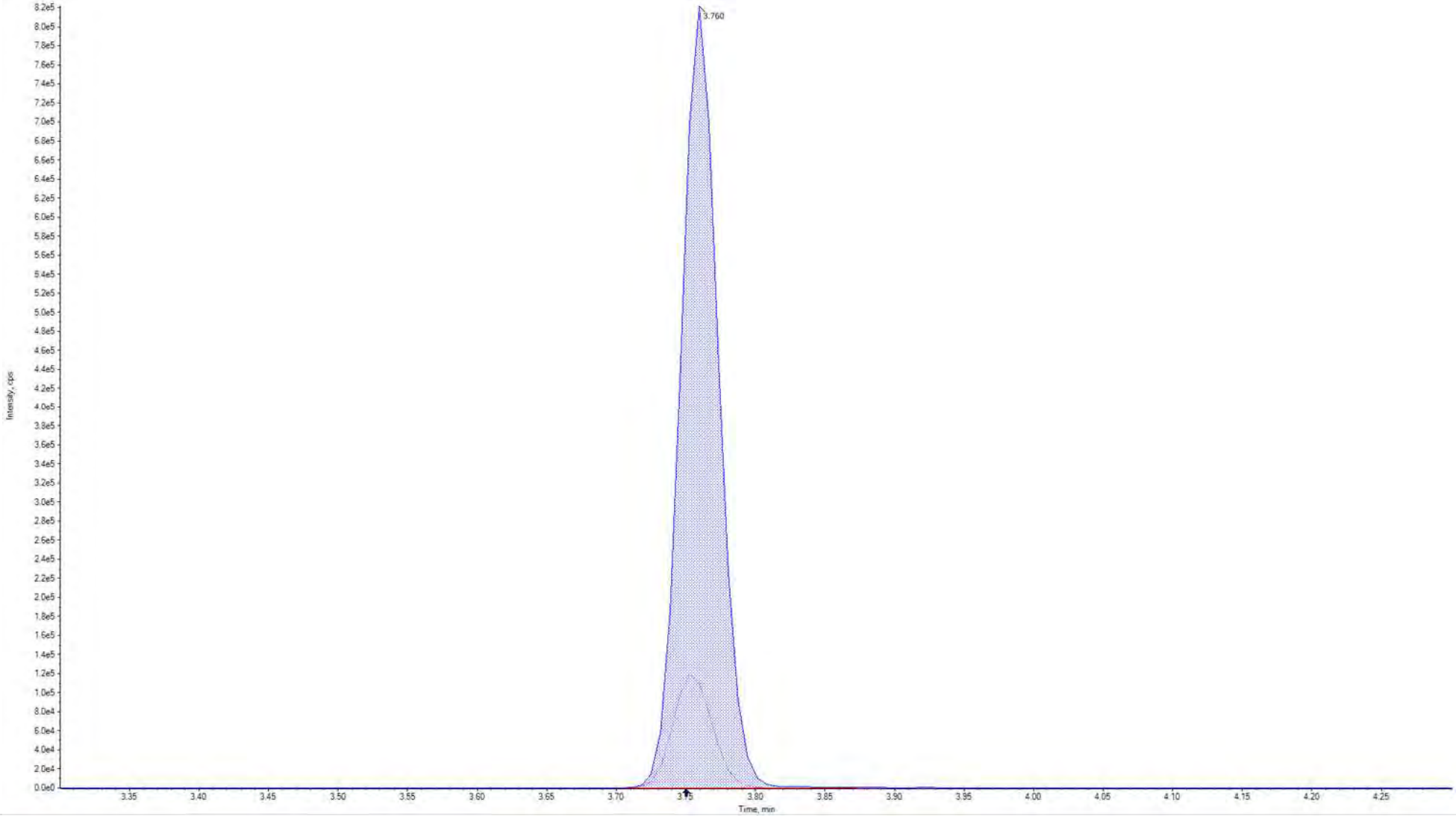
PFDA_2
Sample: IA1633STD-50 S/N:16477.3 Points Across peak:26



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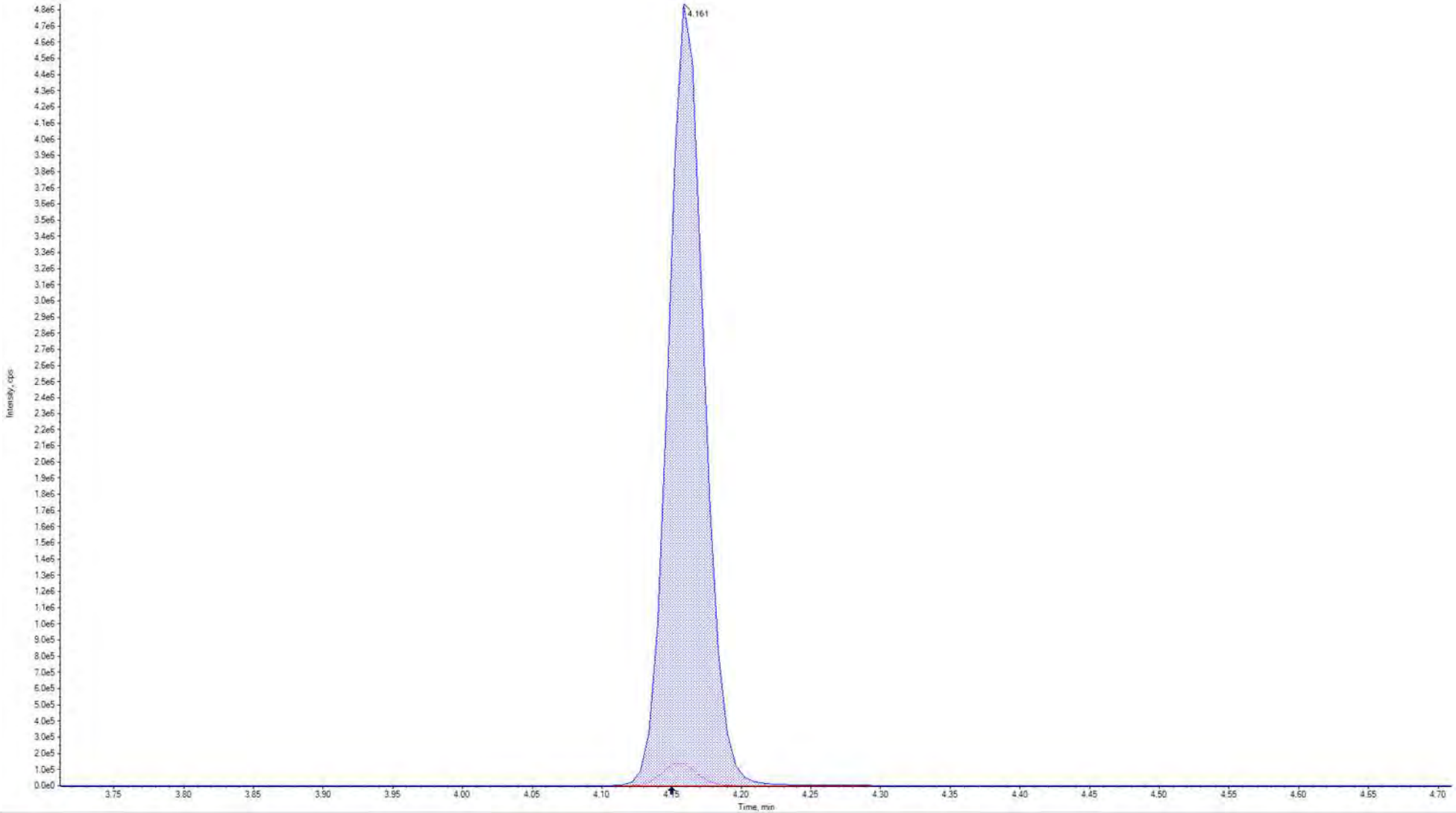
PFUnA
Sample: IA1633STD-50 S/N:38472.5 Points Across peak:39



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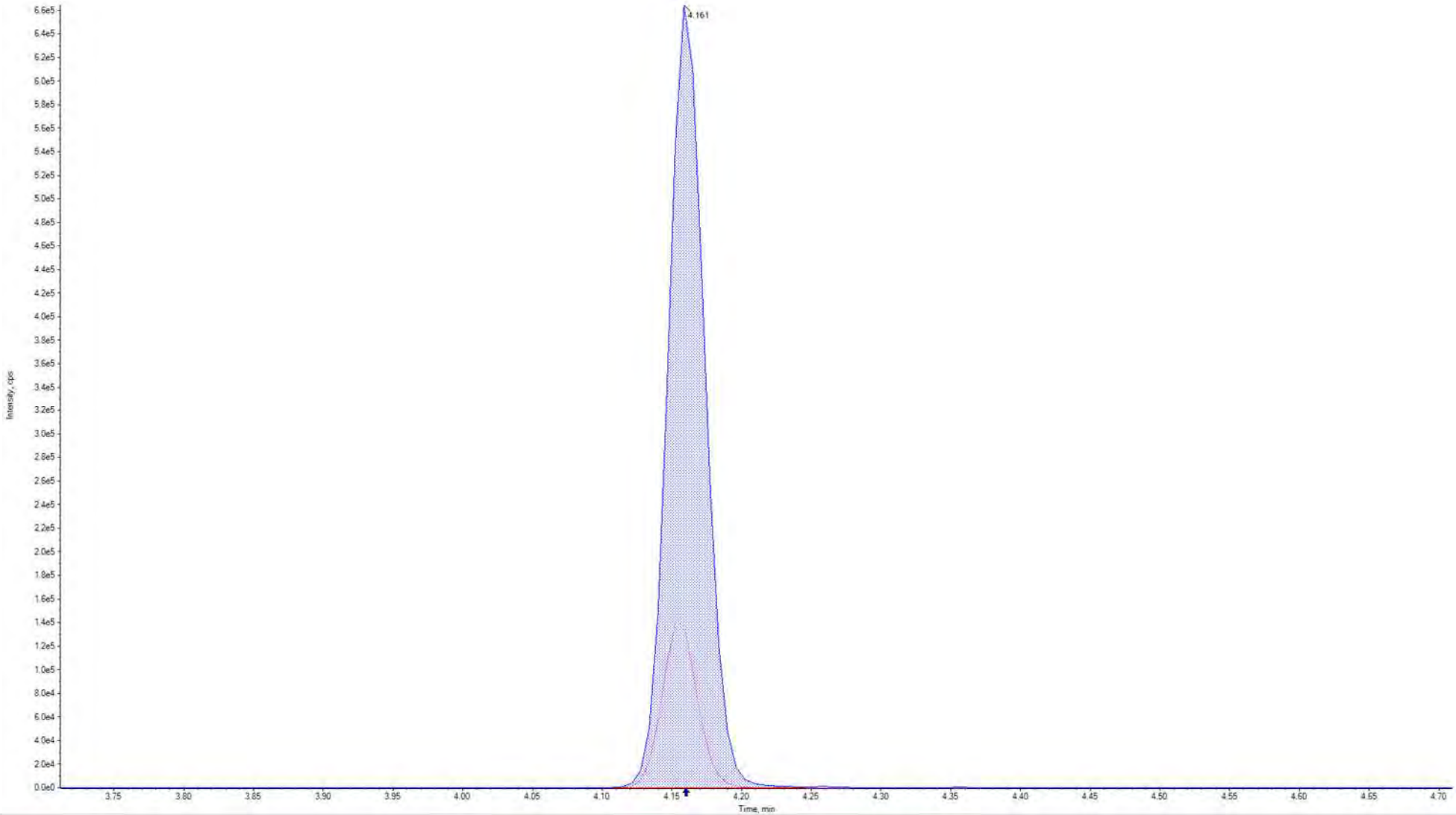
PFUnA_2
Sample: IA1633STD-50 S/N:14981.6 Points Across peak:25



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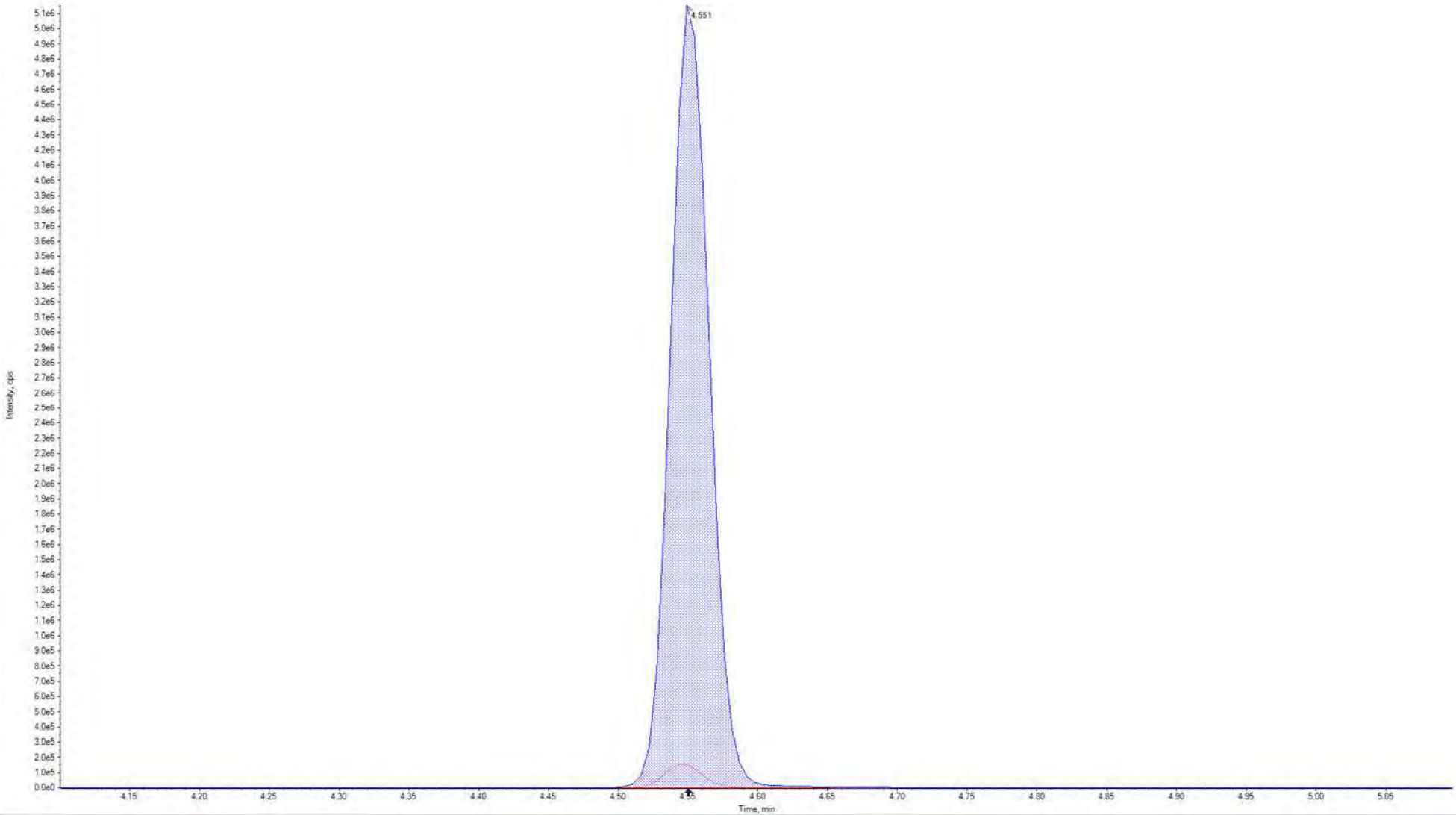
PFDoA
Sample: IA1633STD-50 S/N:21722.4 Points Across peak:34



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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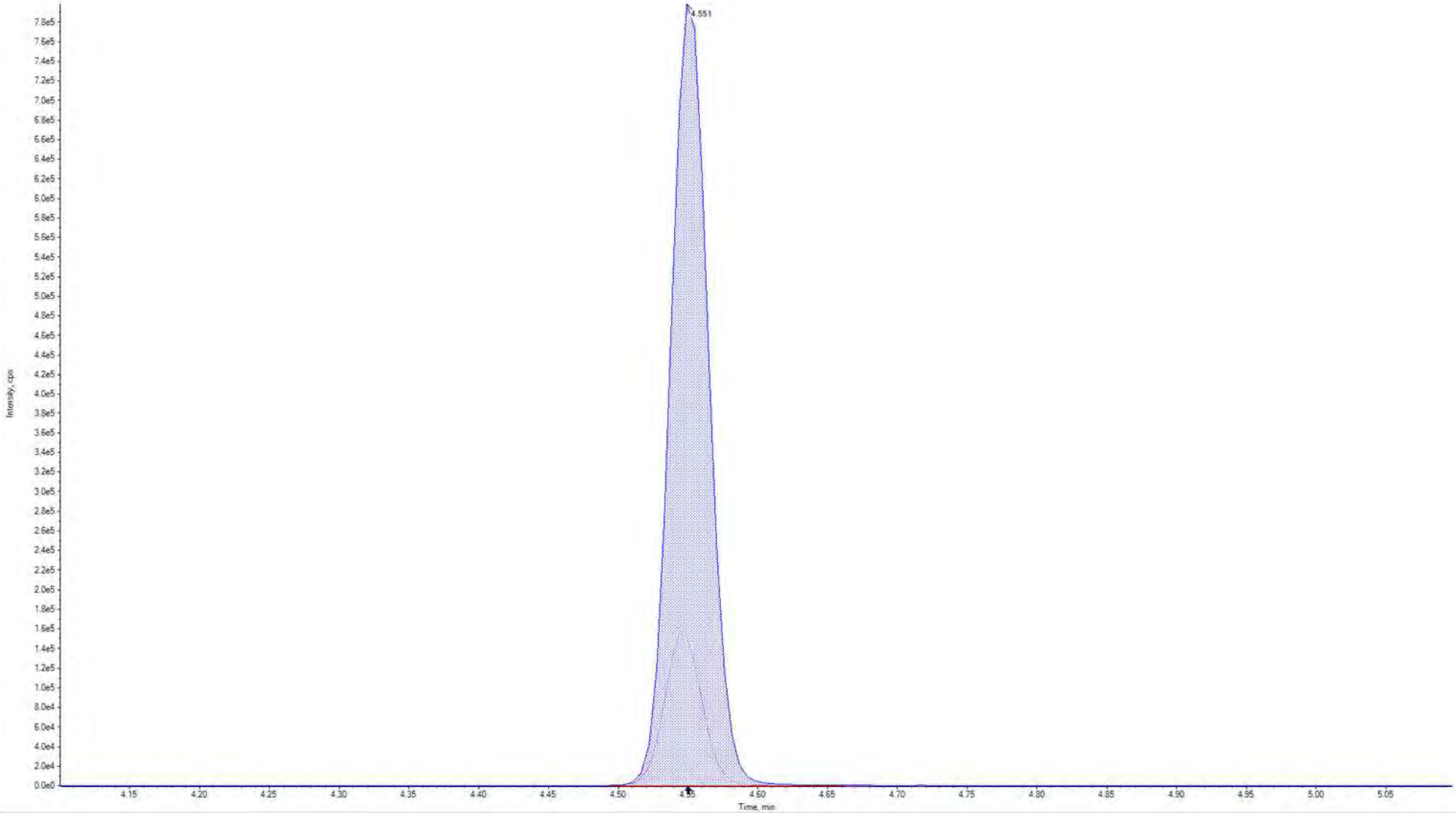
PFDoA_2
Sample: IA1633STD-50 S/N:5804.5 Points Across peak:35



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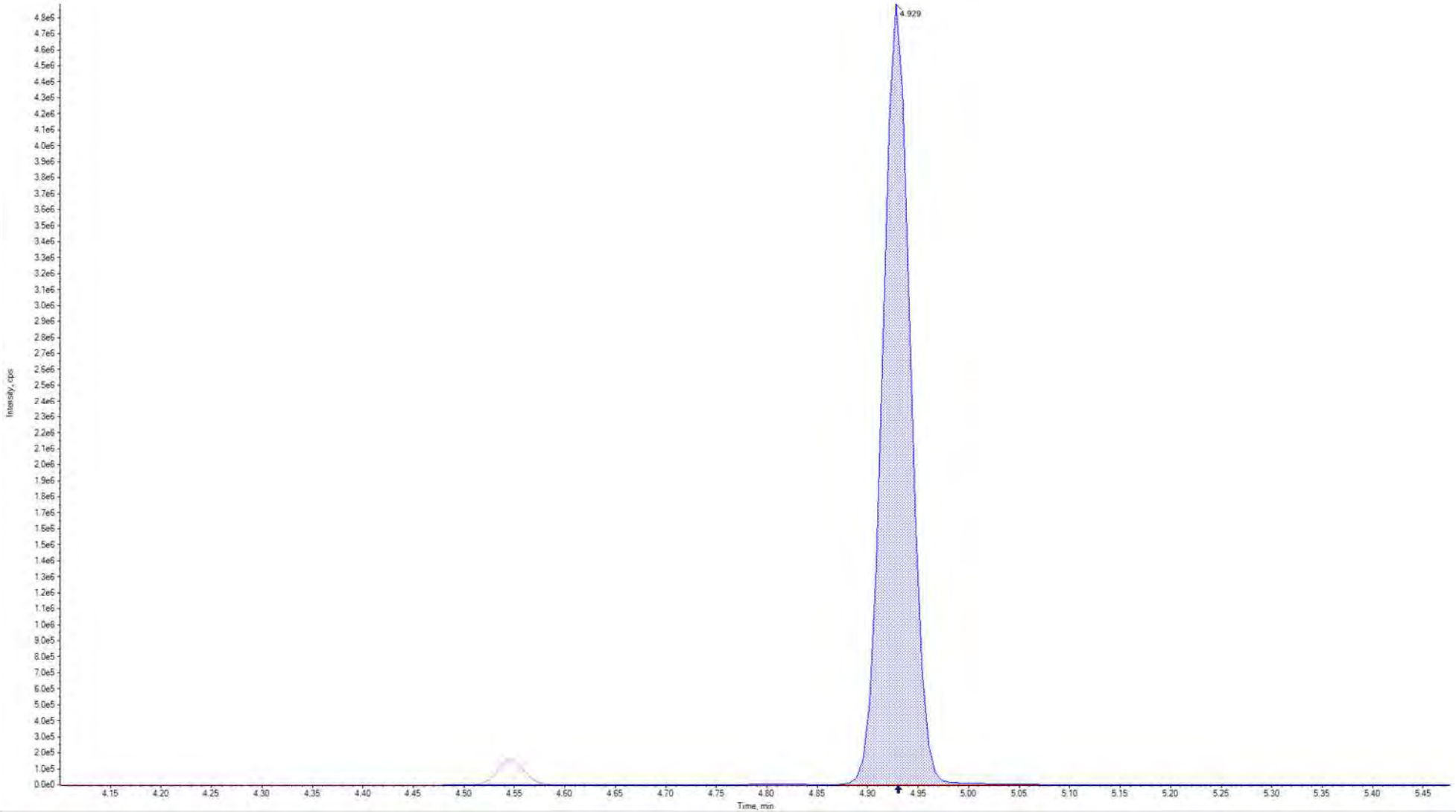
PFTrDA
Sample: IA1633STD-50 S/N:14159.2 Points Across peak:40



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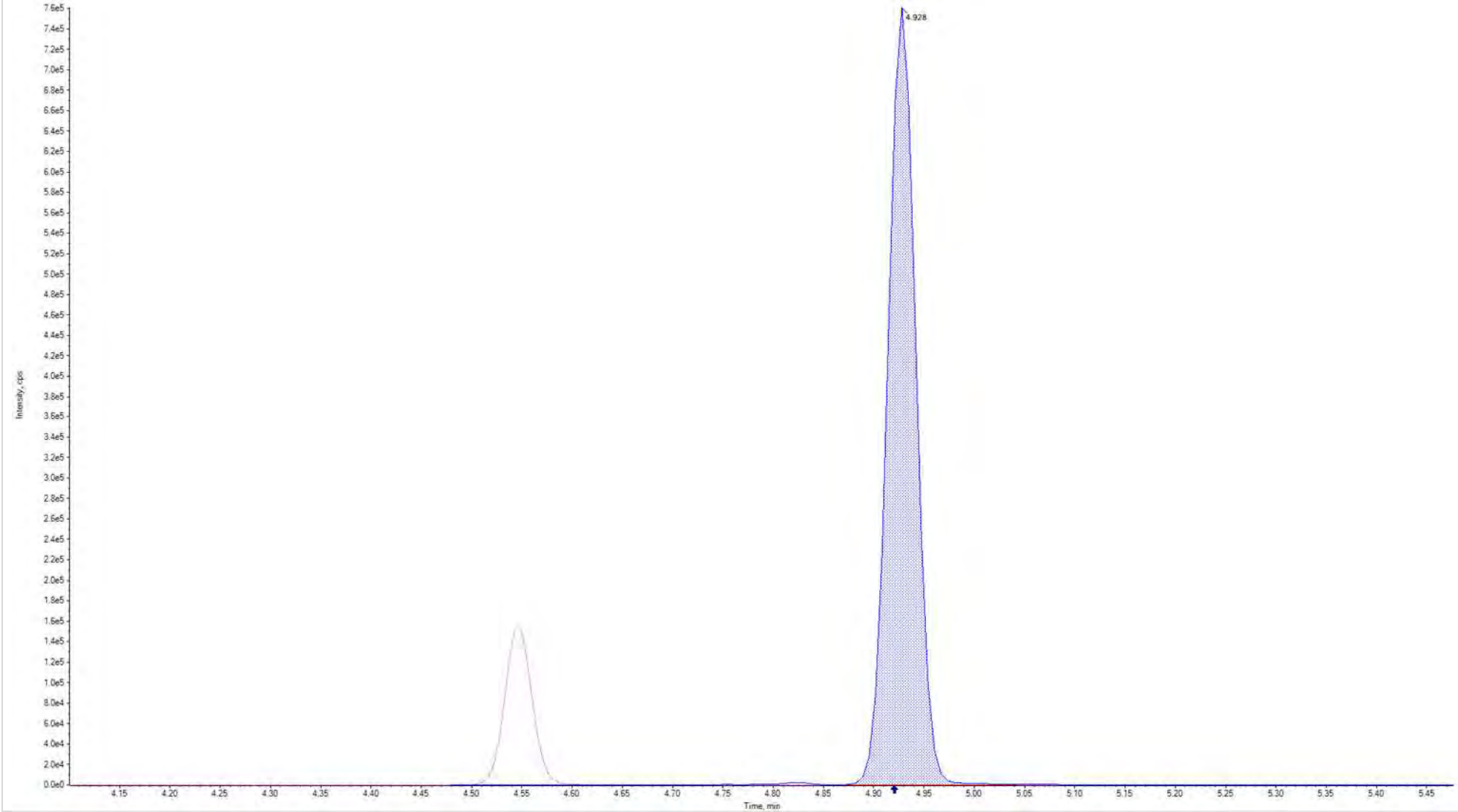
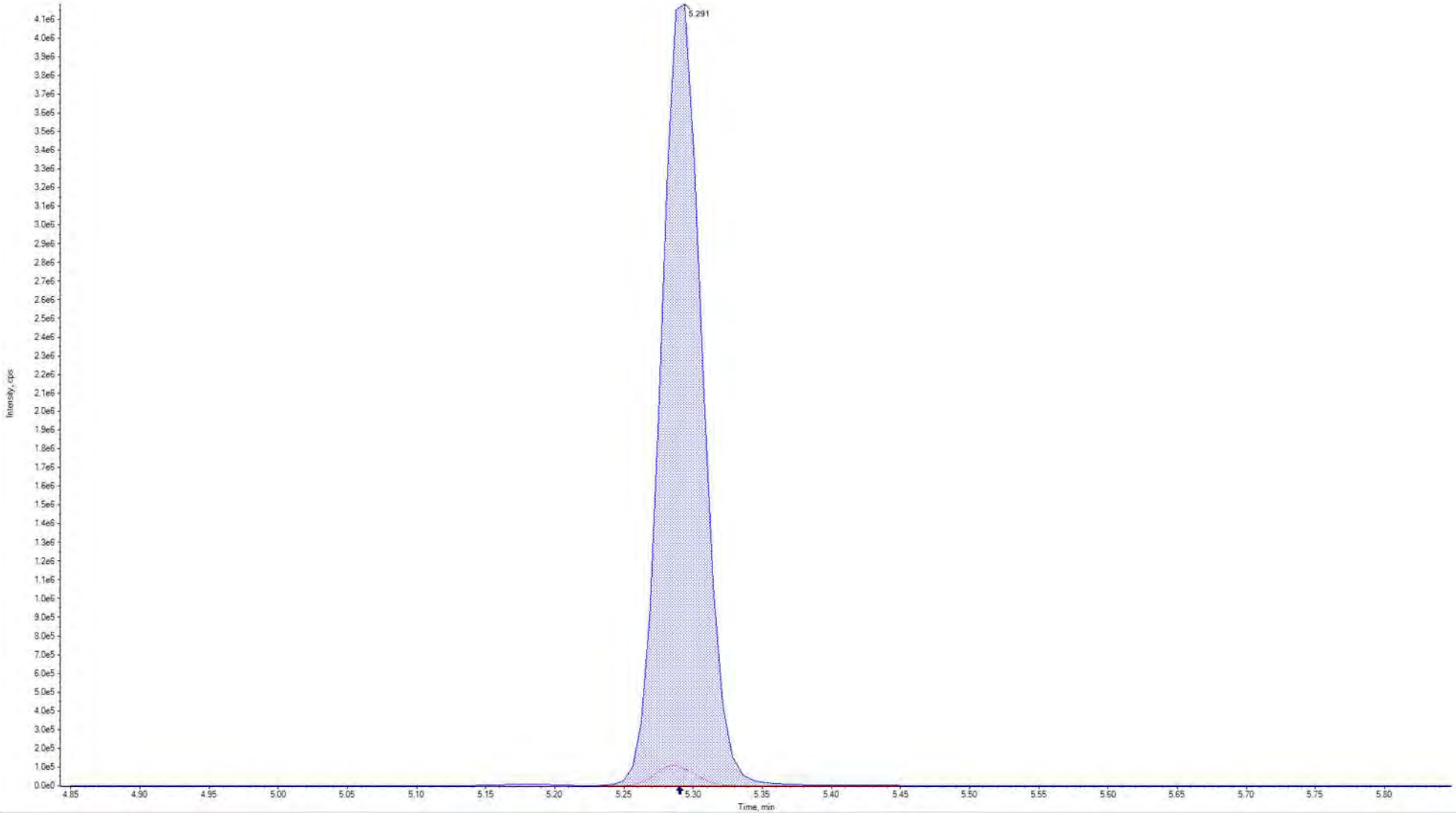
PFTrDA_2
Sample: IA1633STD-50 S/N:3384.4 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_23.wiff2_8
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFTeDA
Sample: IA1633STD-50 S/N:16569.9 Points Across peak:37



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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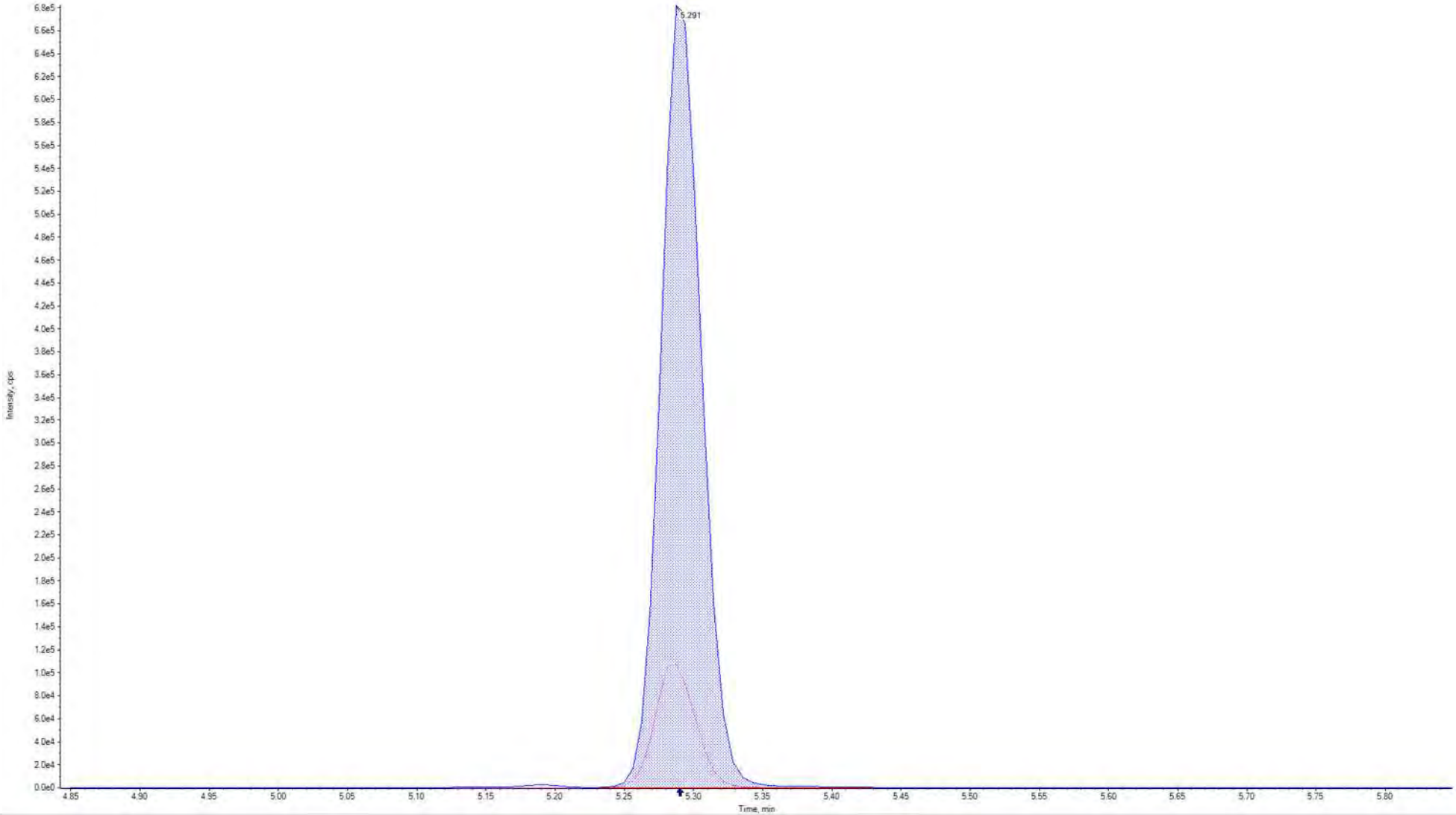
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFTeDA_2
Sample: IA1633STD-50 S/N:42742.1 Points Across peak:35



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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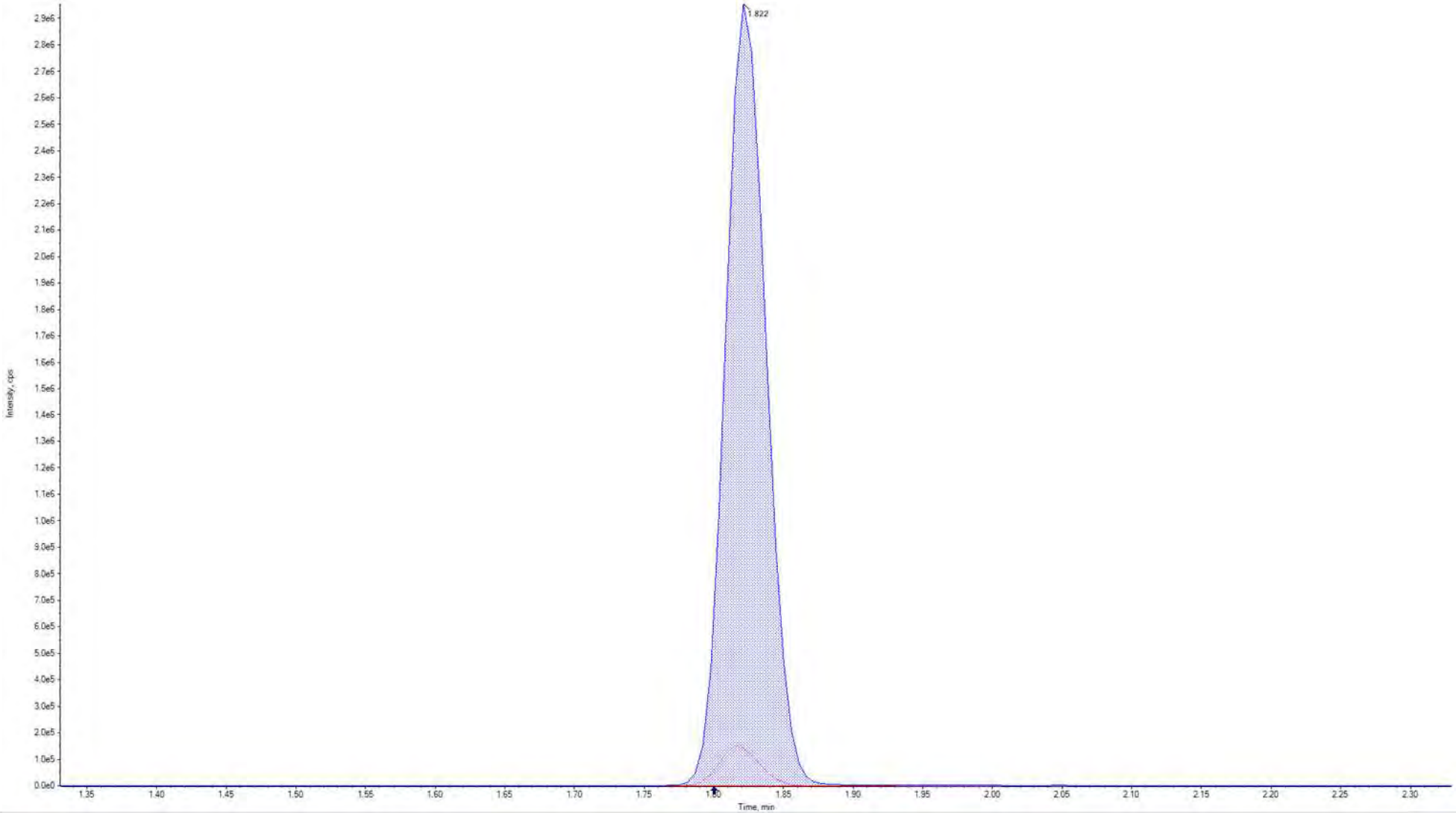
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFBS
Sample: IA1633STD-50 S/N:3526.7 Points Across peak:36



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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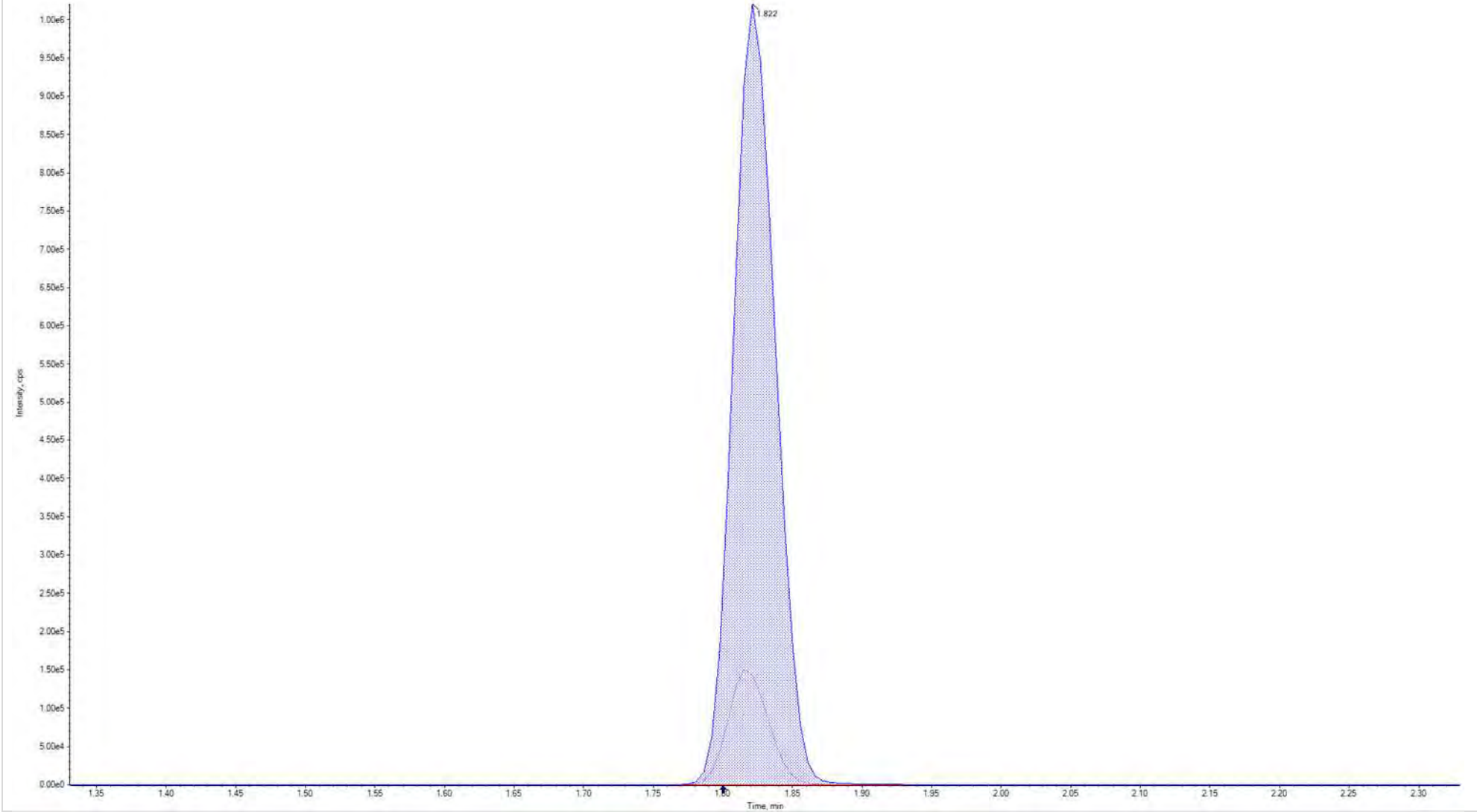
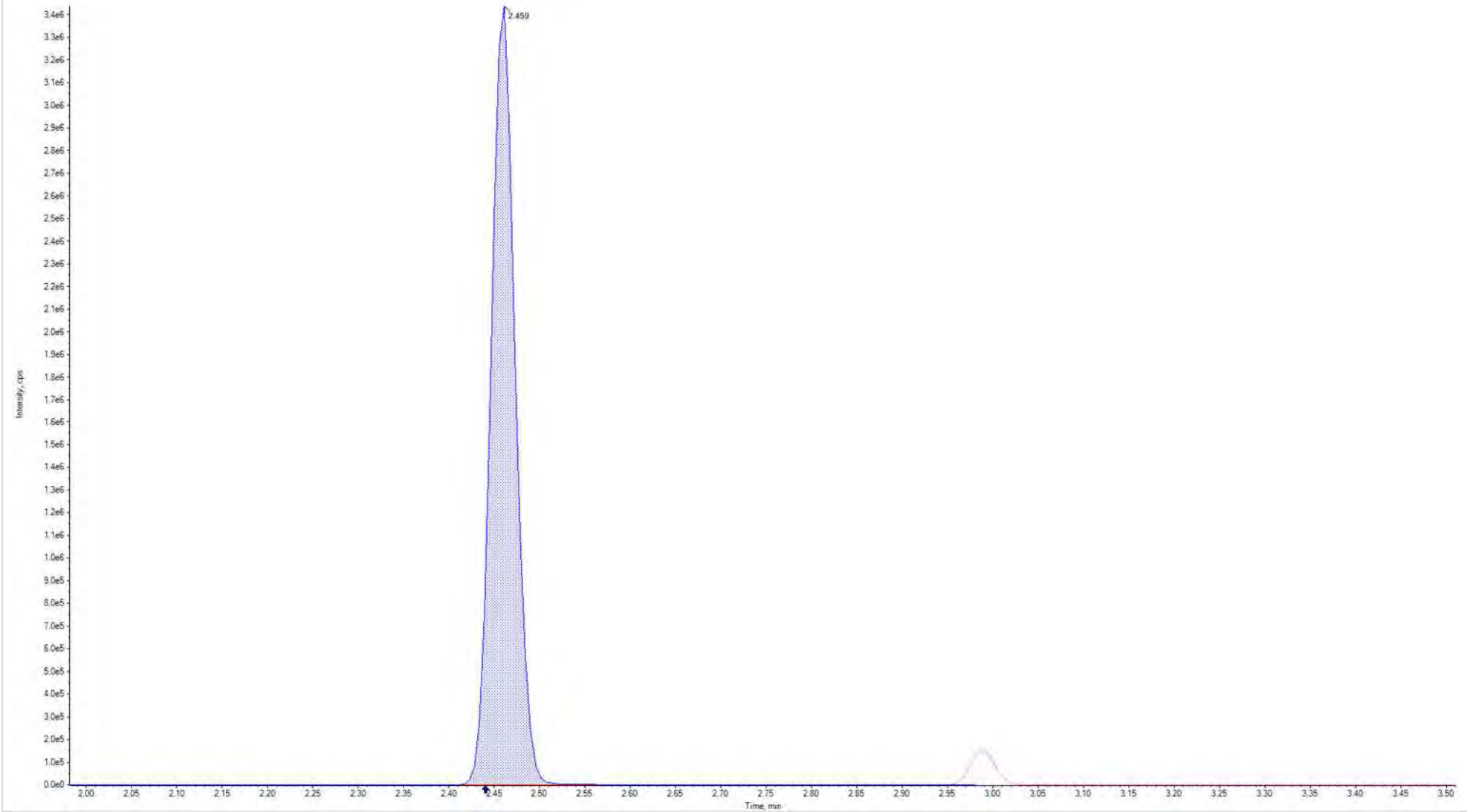
Generated: 11/12/2024 2:03:37 PM

PFBS_2
Sample: IA1633STD-50 S/N:25586.3 Points Across peak:40



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_23.wiff2_8
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFPeS
Sample: IA1633STD-50 S/N:7096.4 Points Across peak:35



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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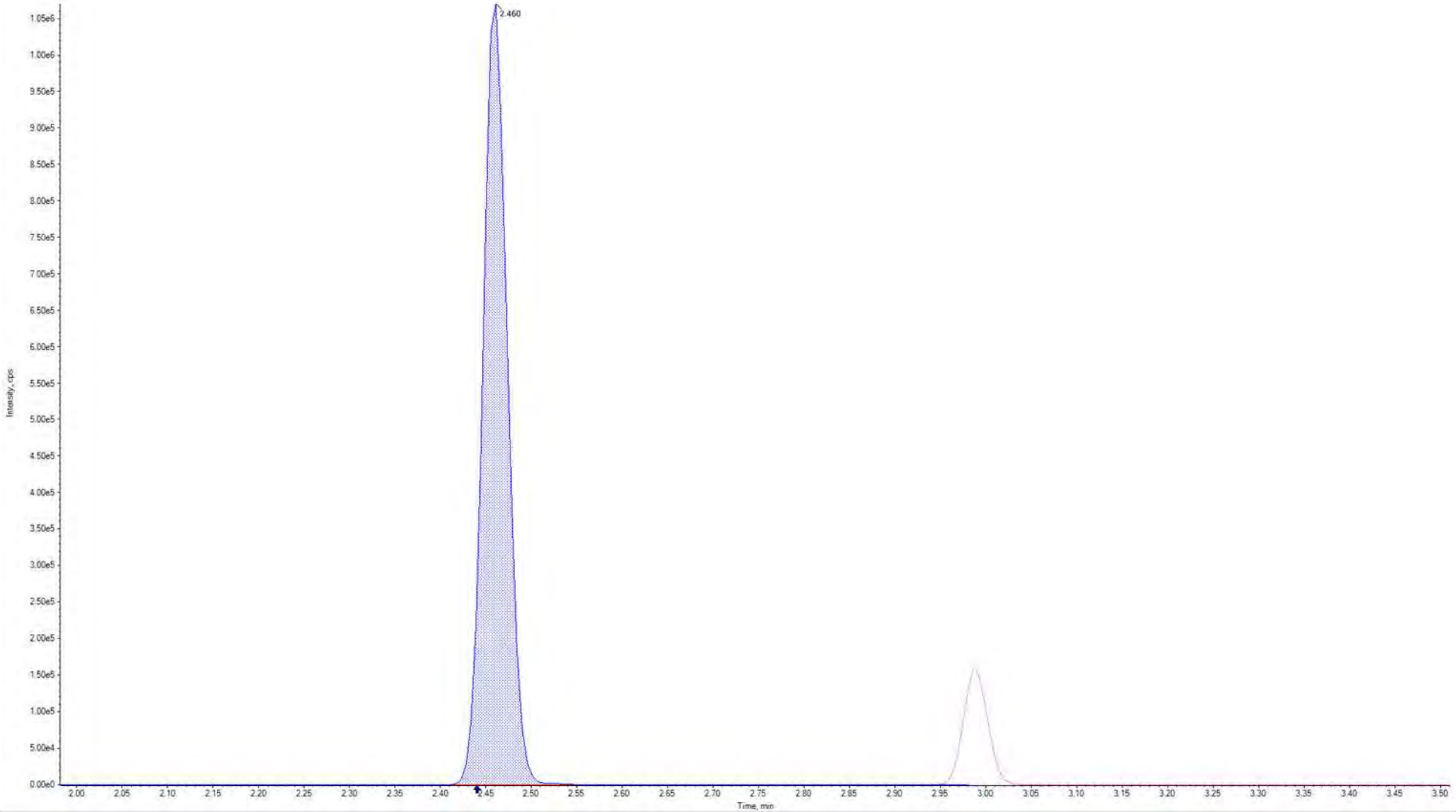
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFPeS_2
Sample: IA1633STD-50 S/N:10967.4 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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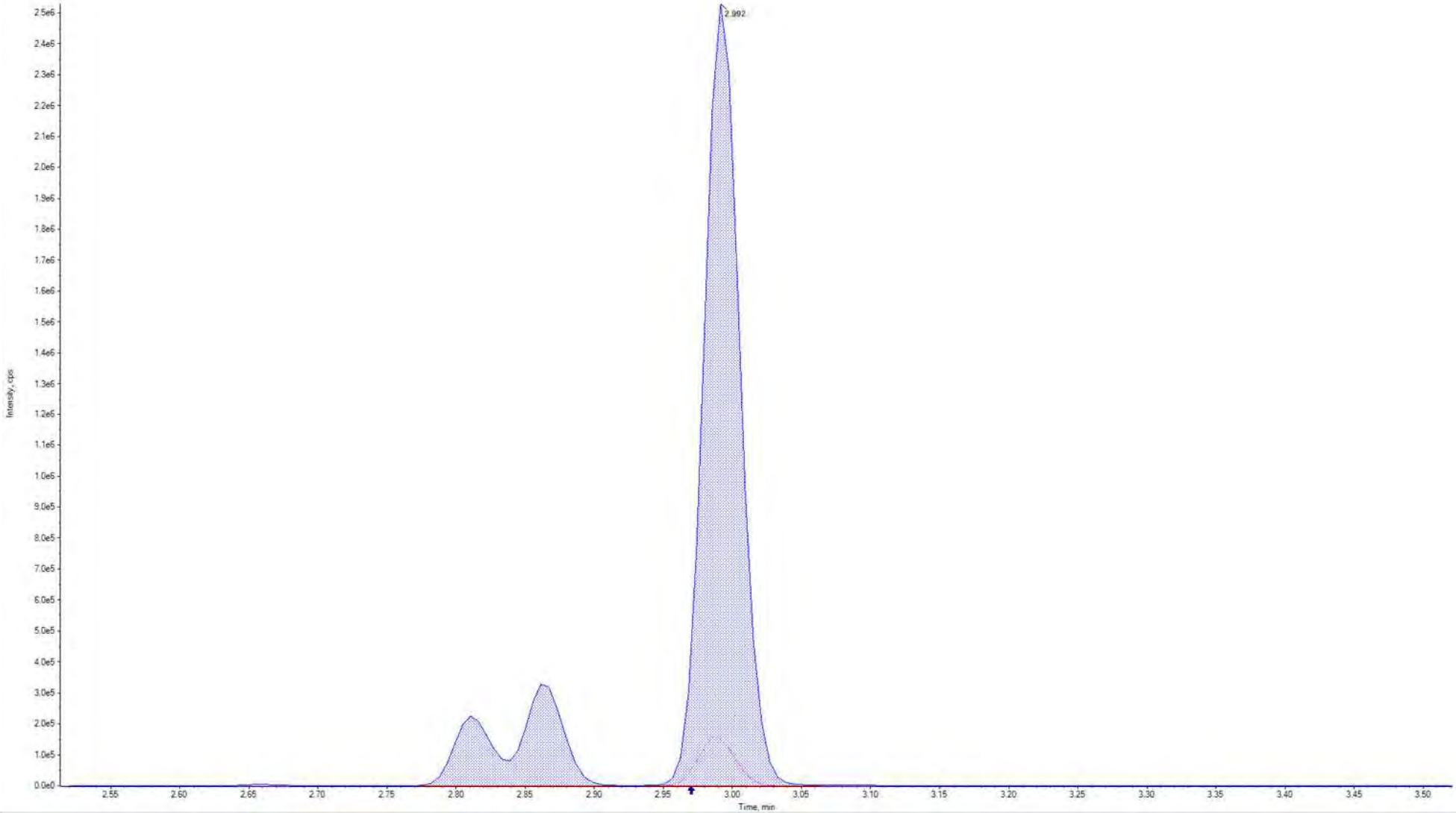
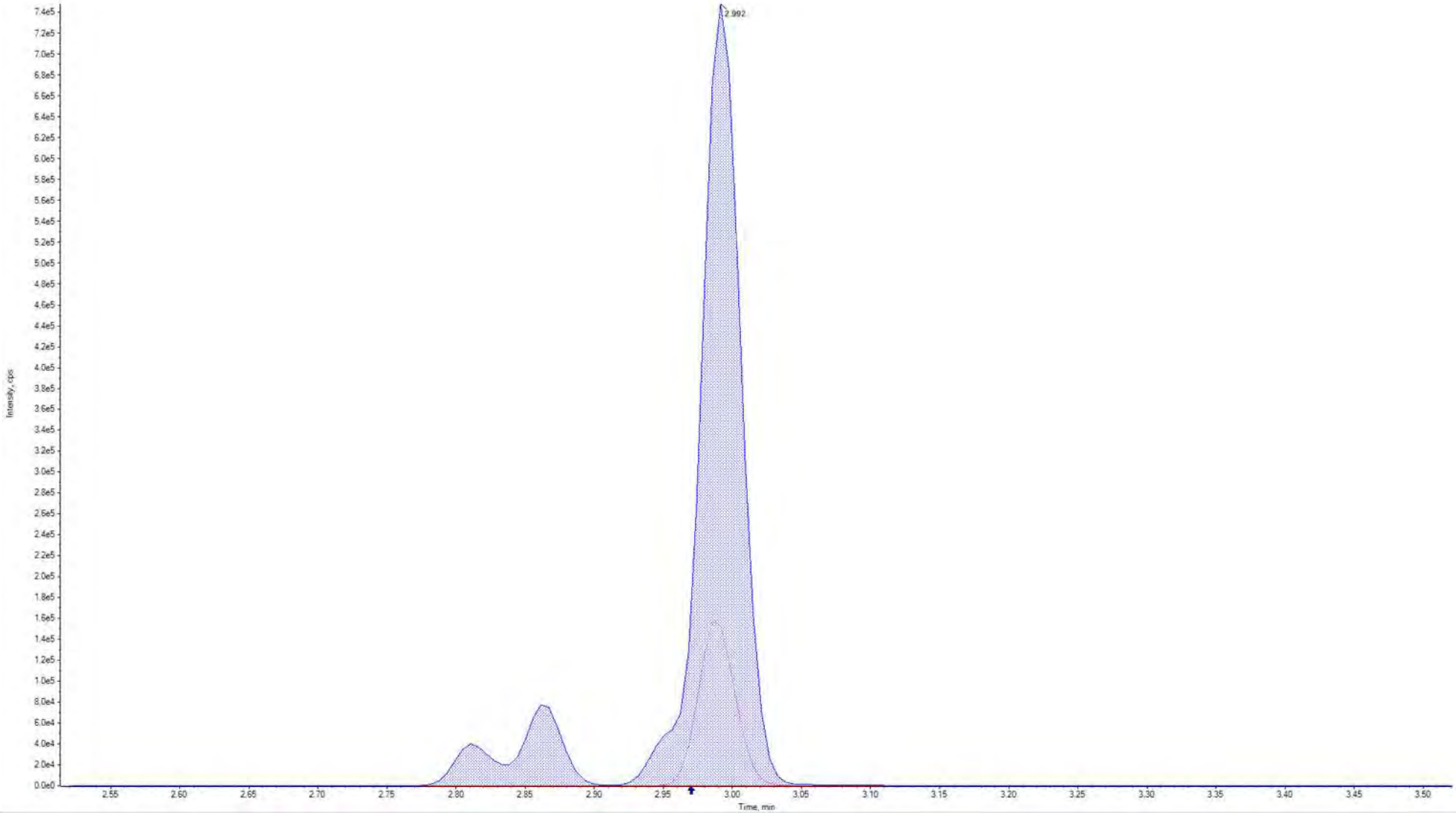
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFHxS
Sample: IA1633STD-50 S/N:1178.2 Points Across peak:51



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_23.wiff2_8
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFHxS_2
Sample: IA1633STD-50 S/N:1266.4 Points Across peak:64



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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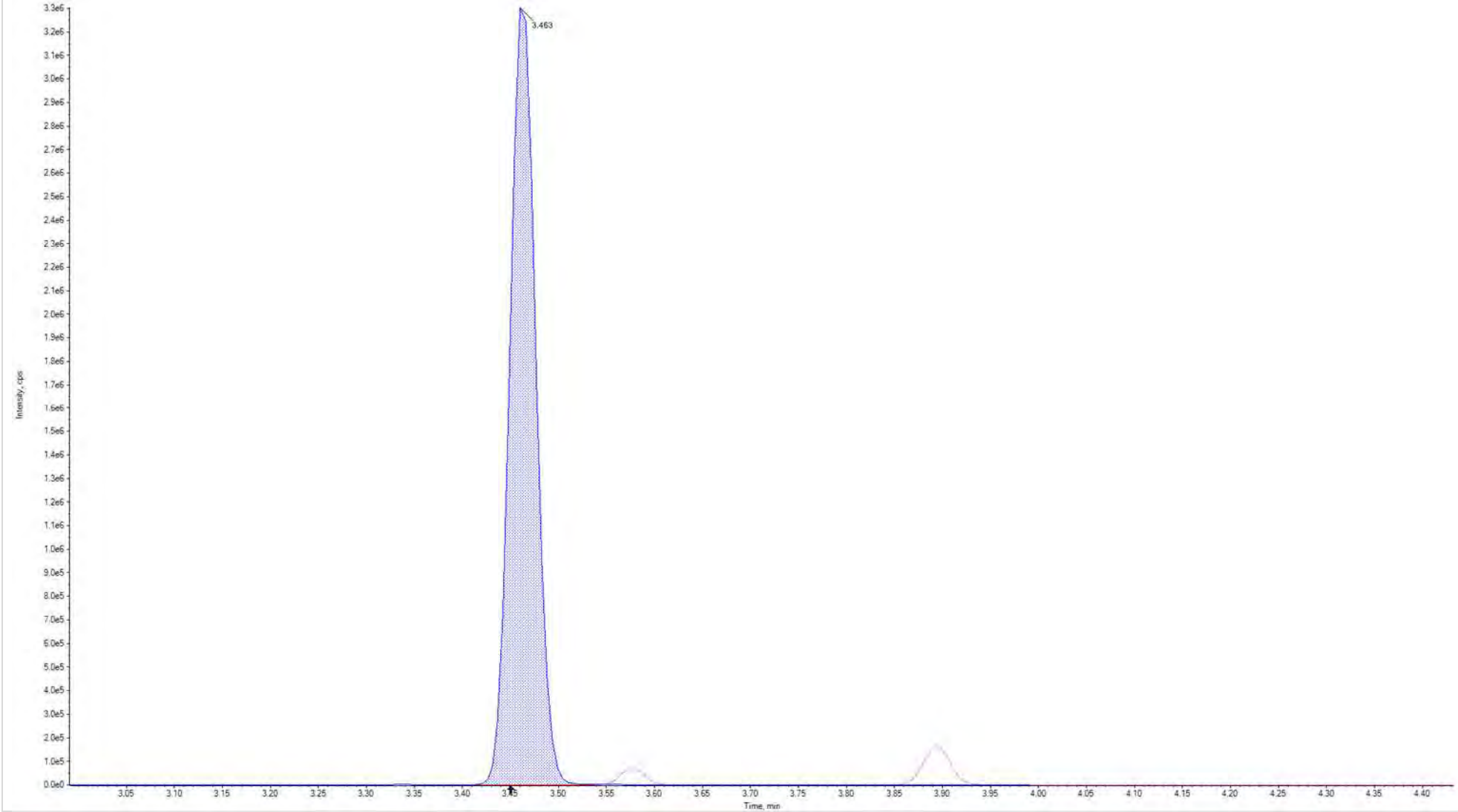
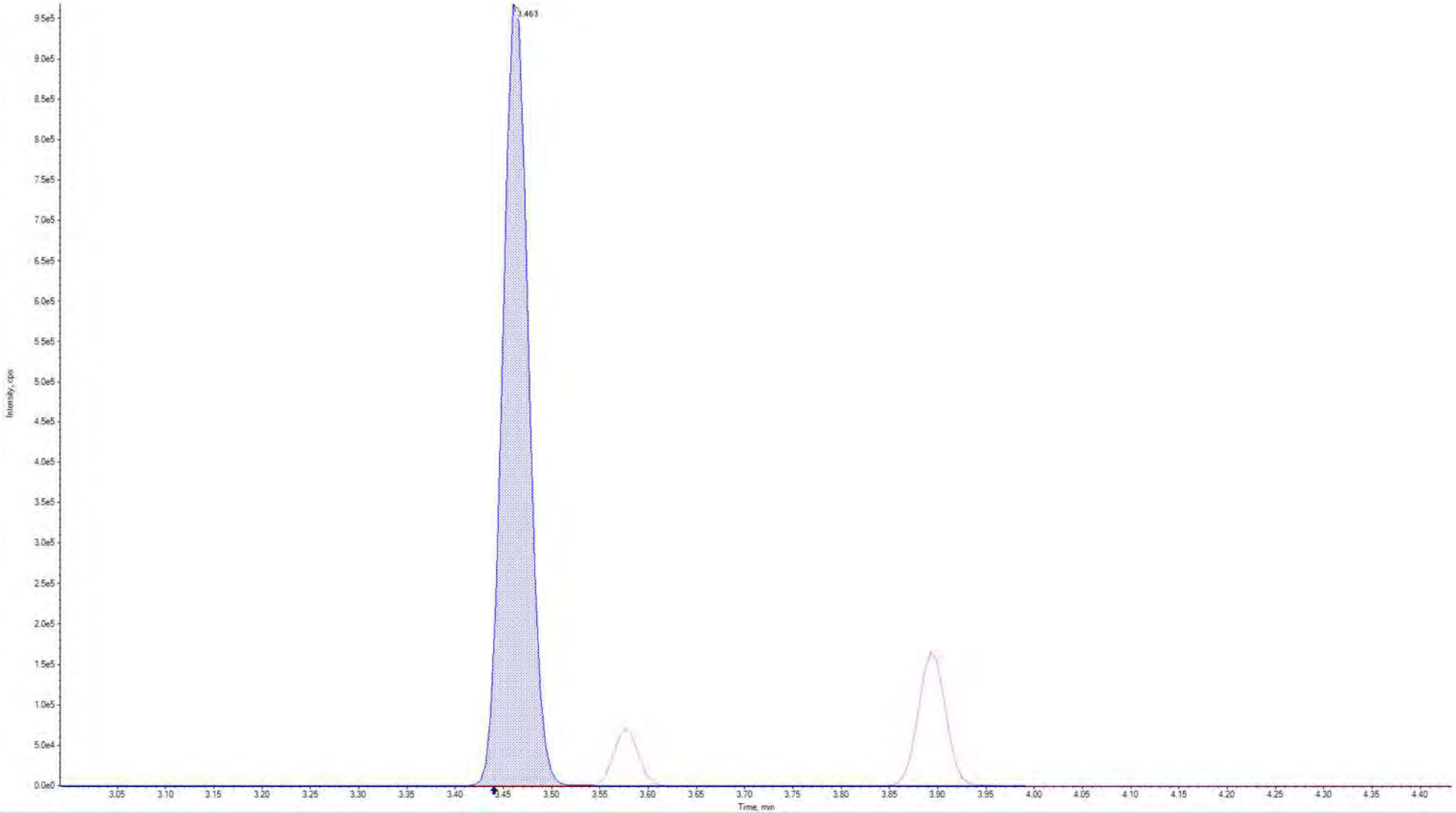
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFHpS
Sample: IA1633STD-50 S/N:51117.1 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_23.wiff2_8
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFHpS_2
Sample: IA1633STD-50 S/N:10578.2 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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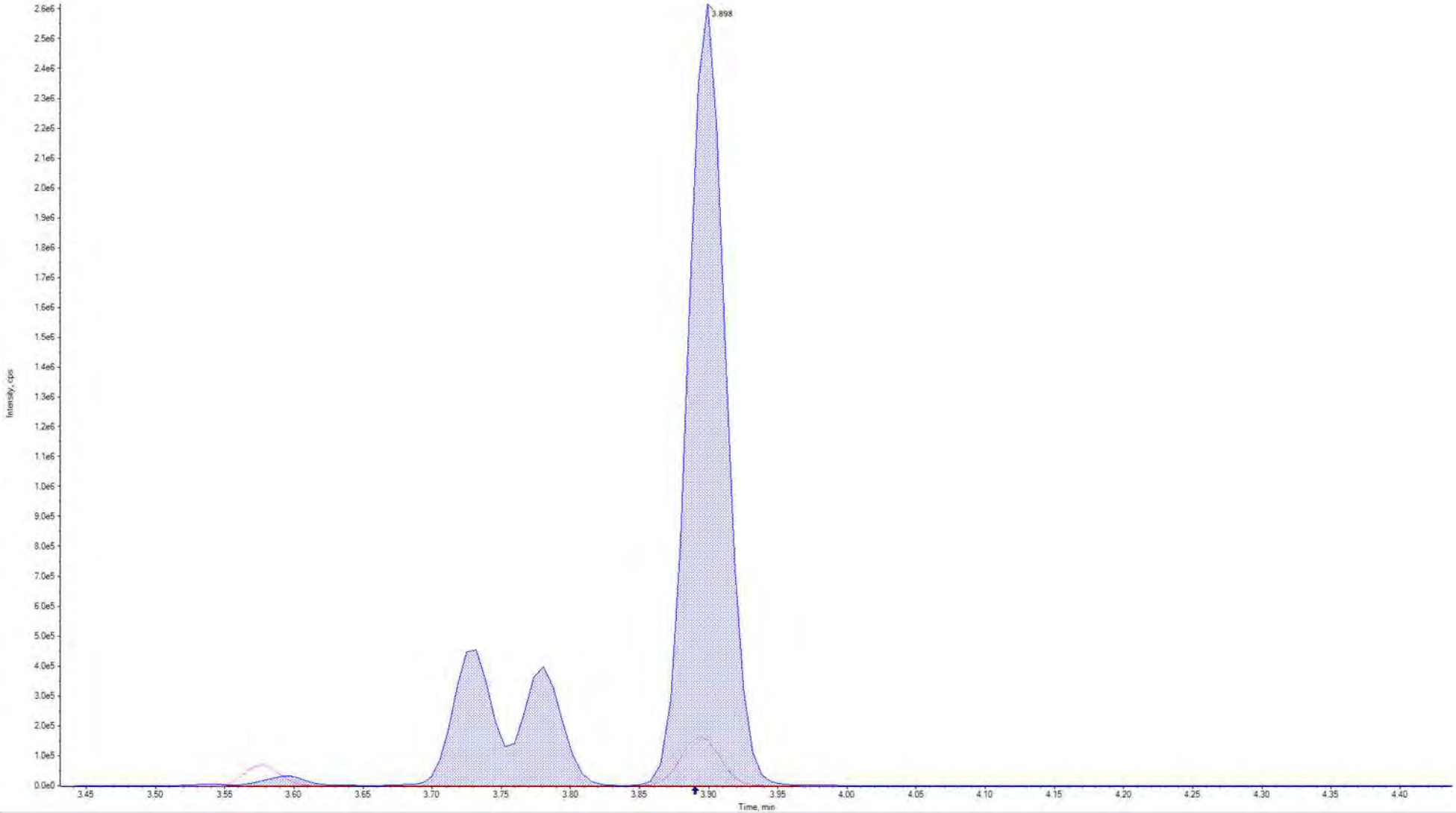
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFOS
Sample: IA1633STD-50 S/N:537.4 Points Across peak:69



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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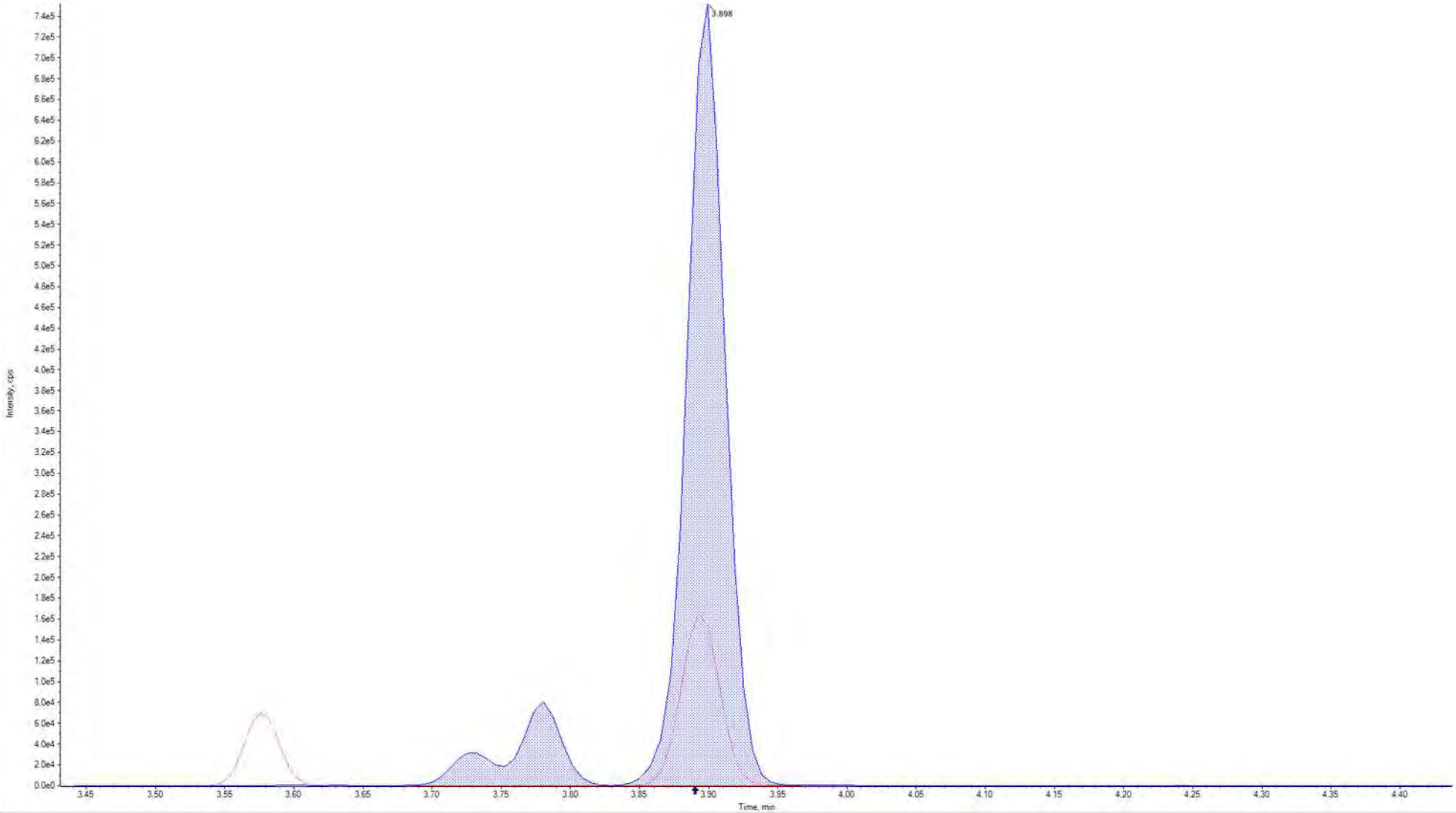
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFOS_2
Sample: IA1633STD-50 S/N:1239.8 Points Across peak:44



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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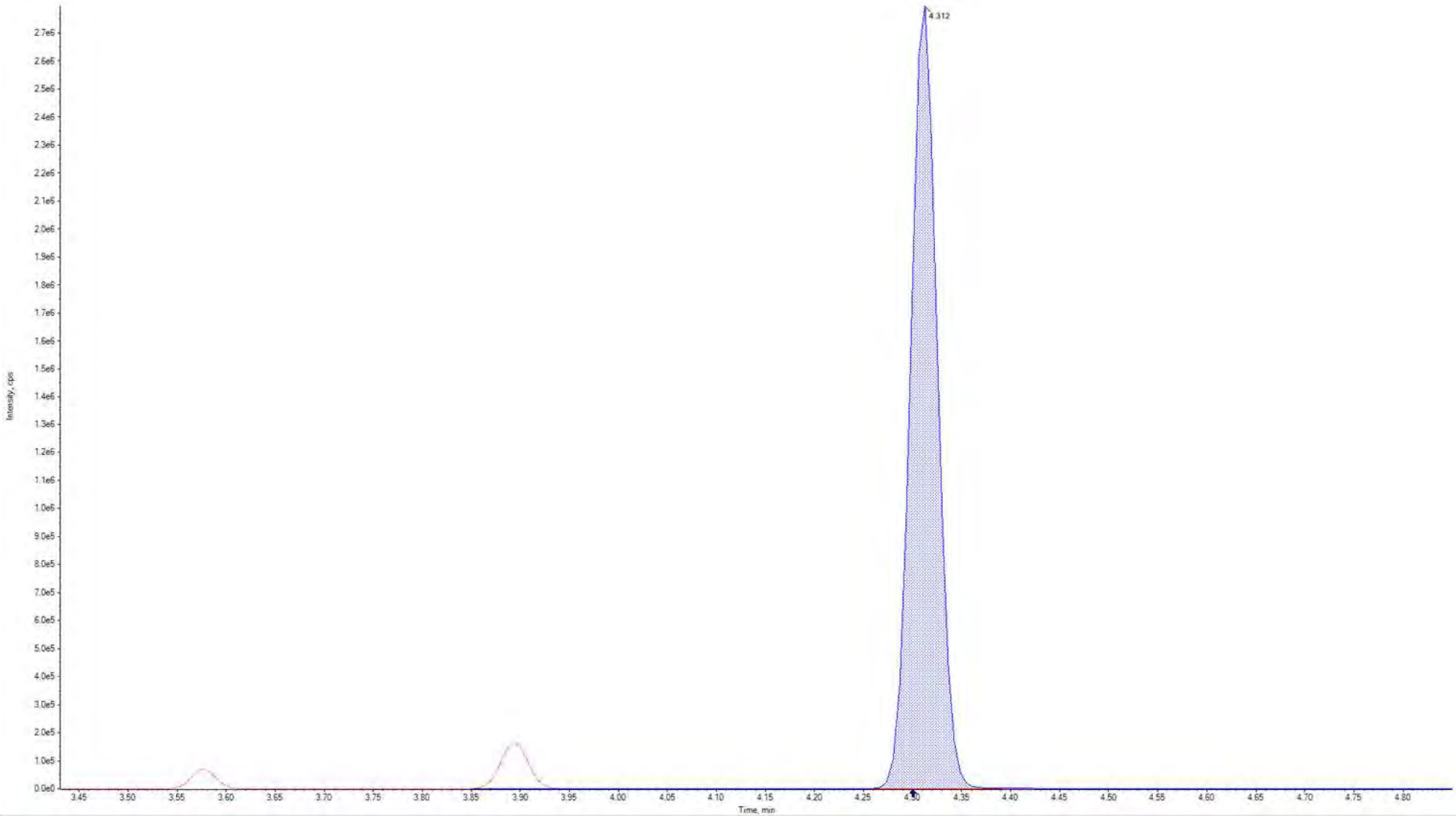
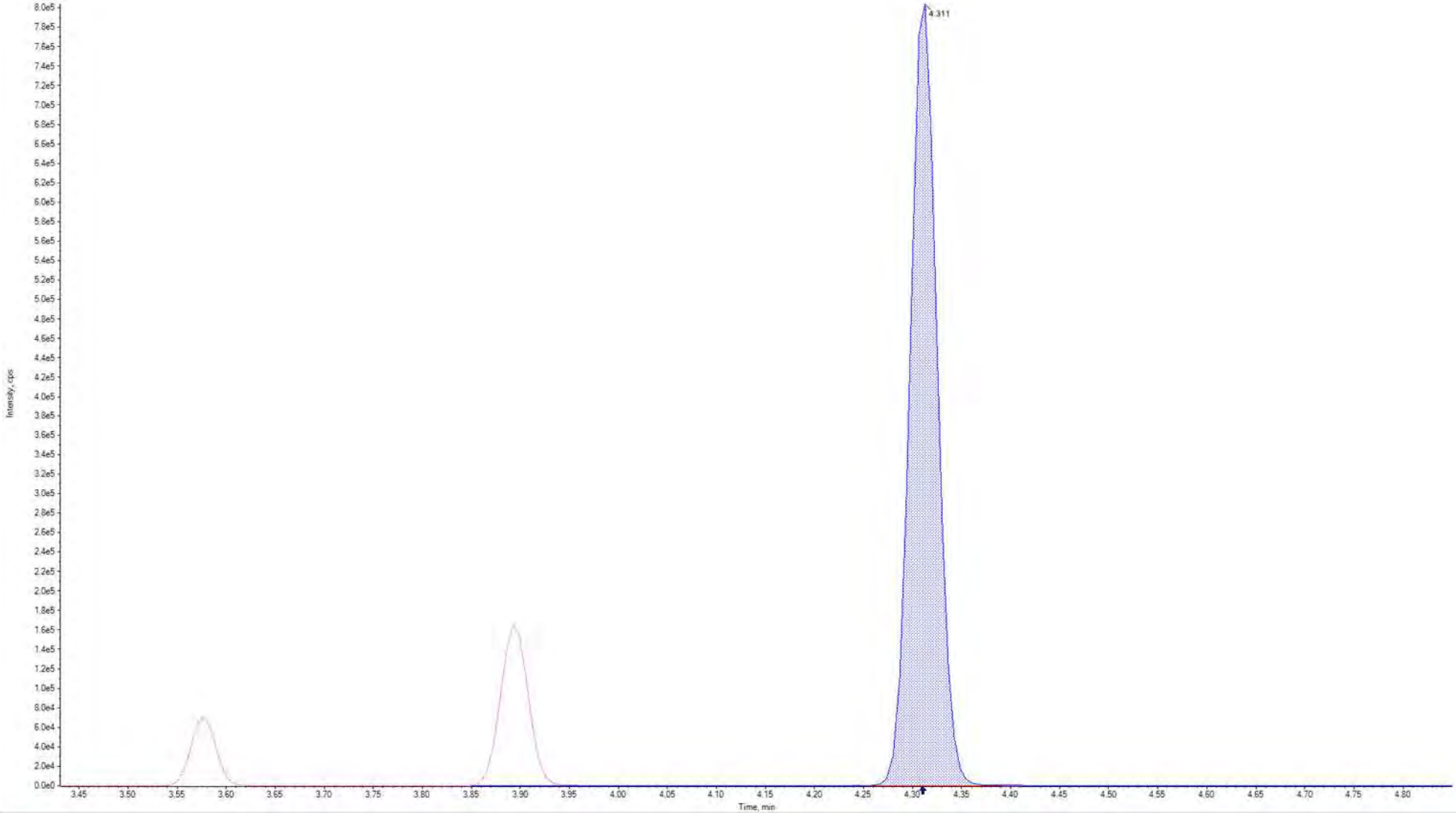
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFNS
Sample: IA1633STD-50 S/N:70076.8 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_23.wiff2_8
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFNS_2
Sample: IA1633STD-50 S/N:7105.9 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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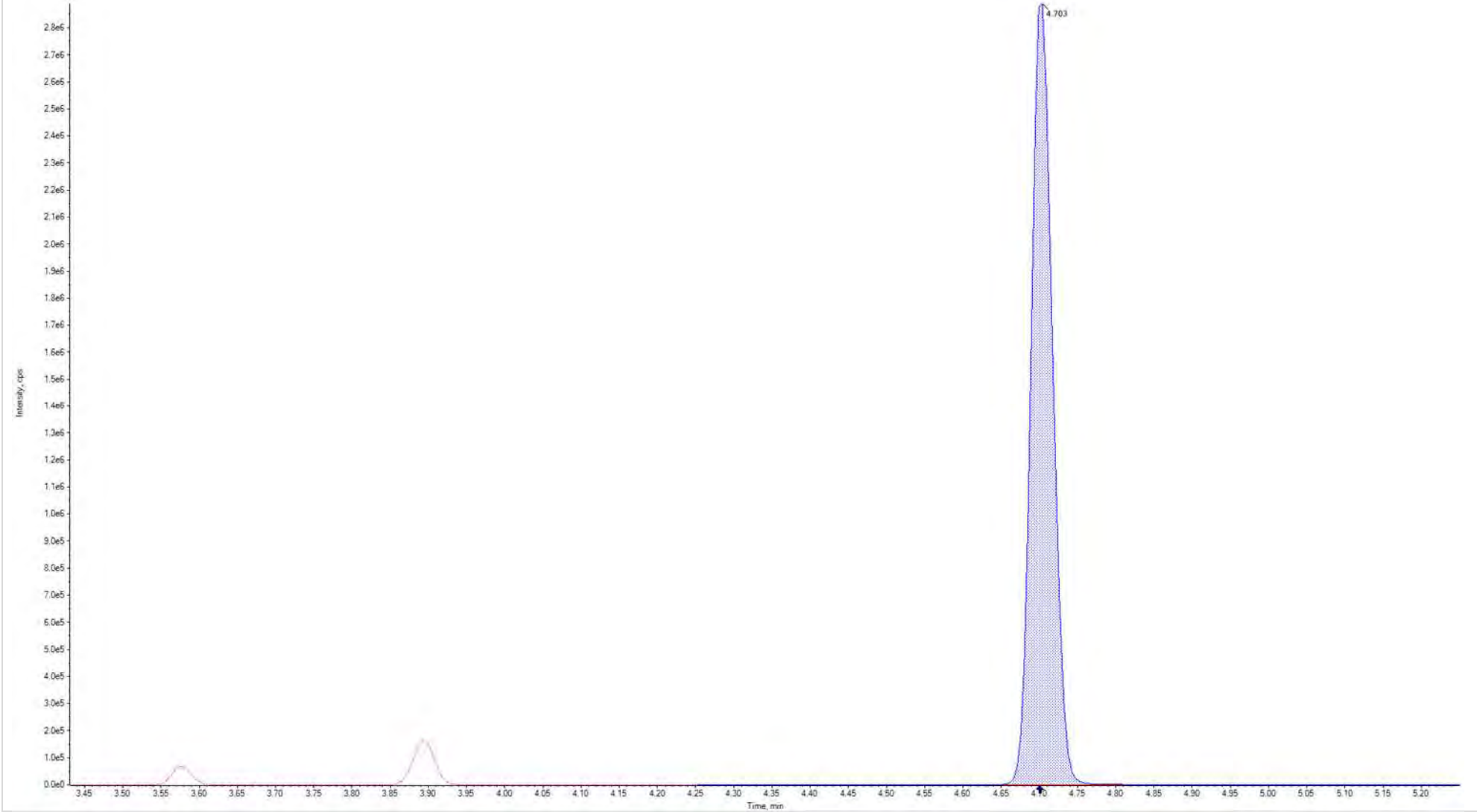
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFDS
Sample: IA1633STD-50 S/N:44767.0 Points Across peak:40



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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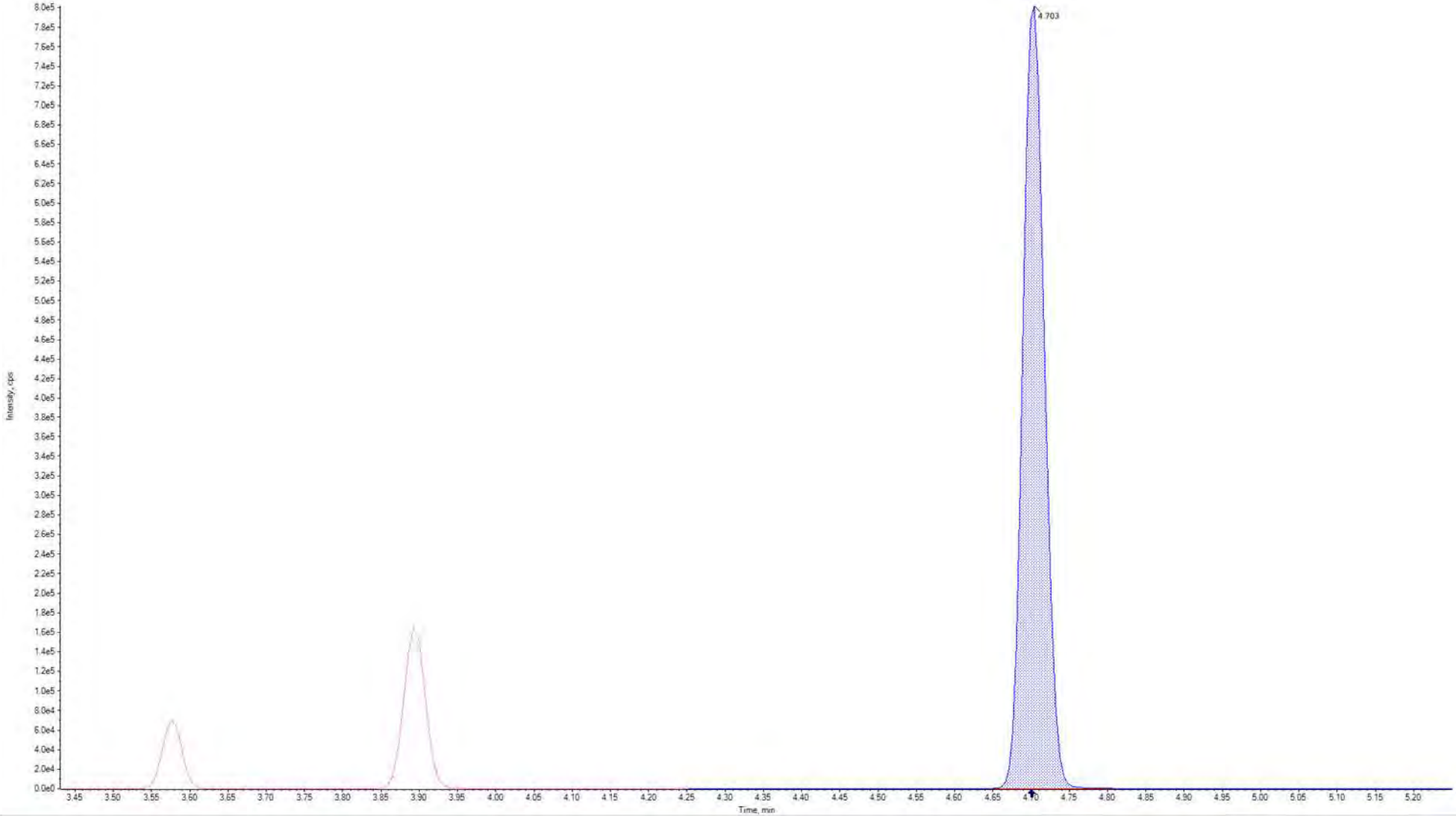
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFDS_2
Sample: IA1633STD-50 S/N:28130.9 Points Across peak:49



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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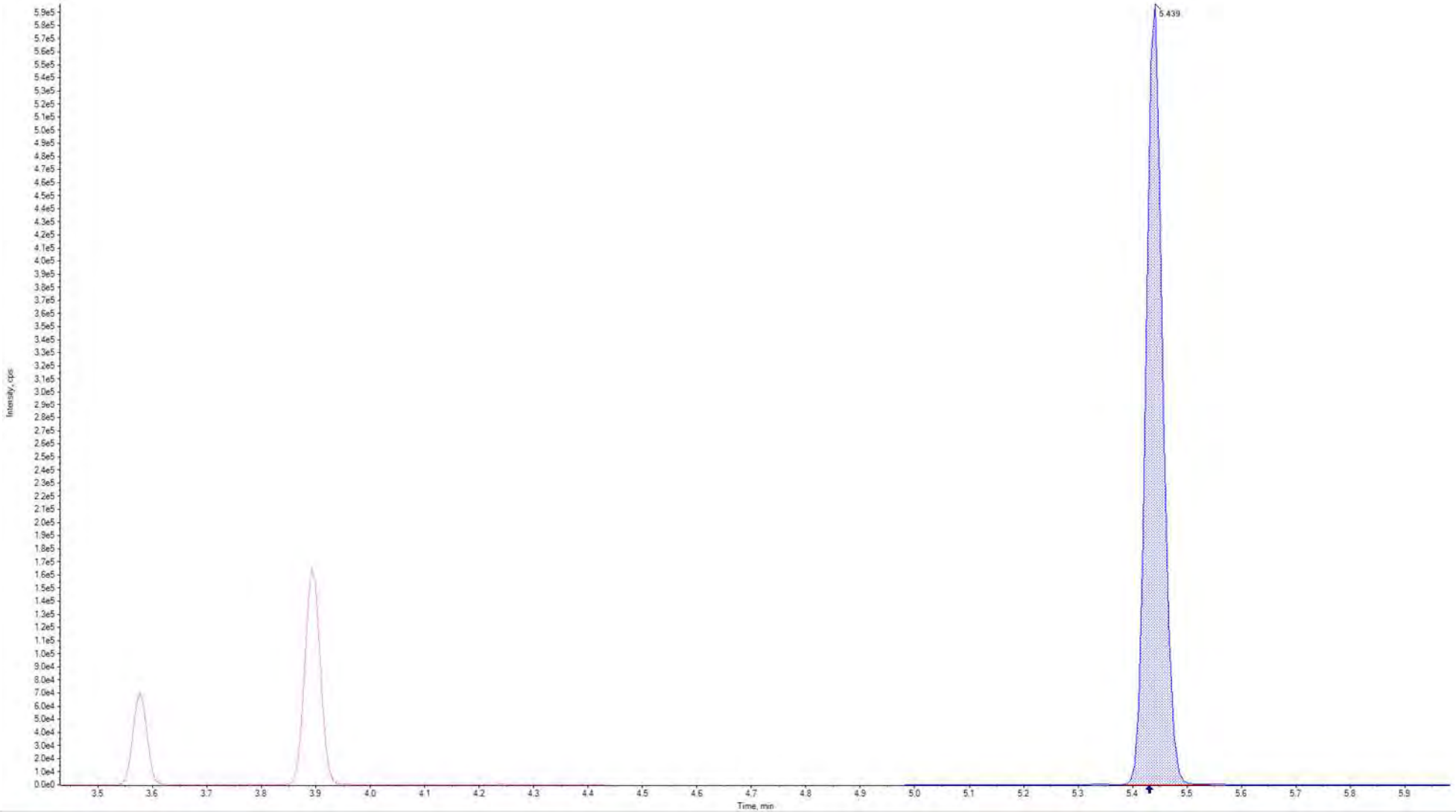
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFDoS
Sample: IA1633STD-50 S/N:11236.5 Points Across peak:26

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_23.wiff2_8
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFDoS_2
Sample: IA1633STD-50 S/N:46344.7 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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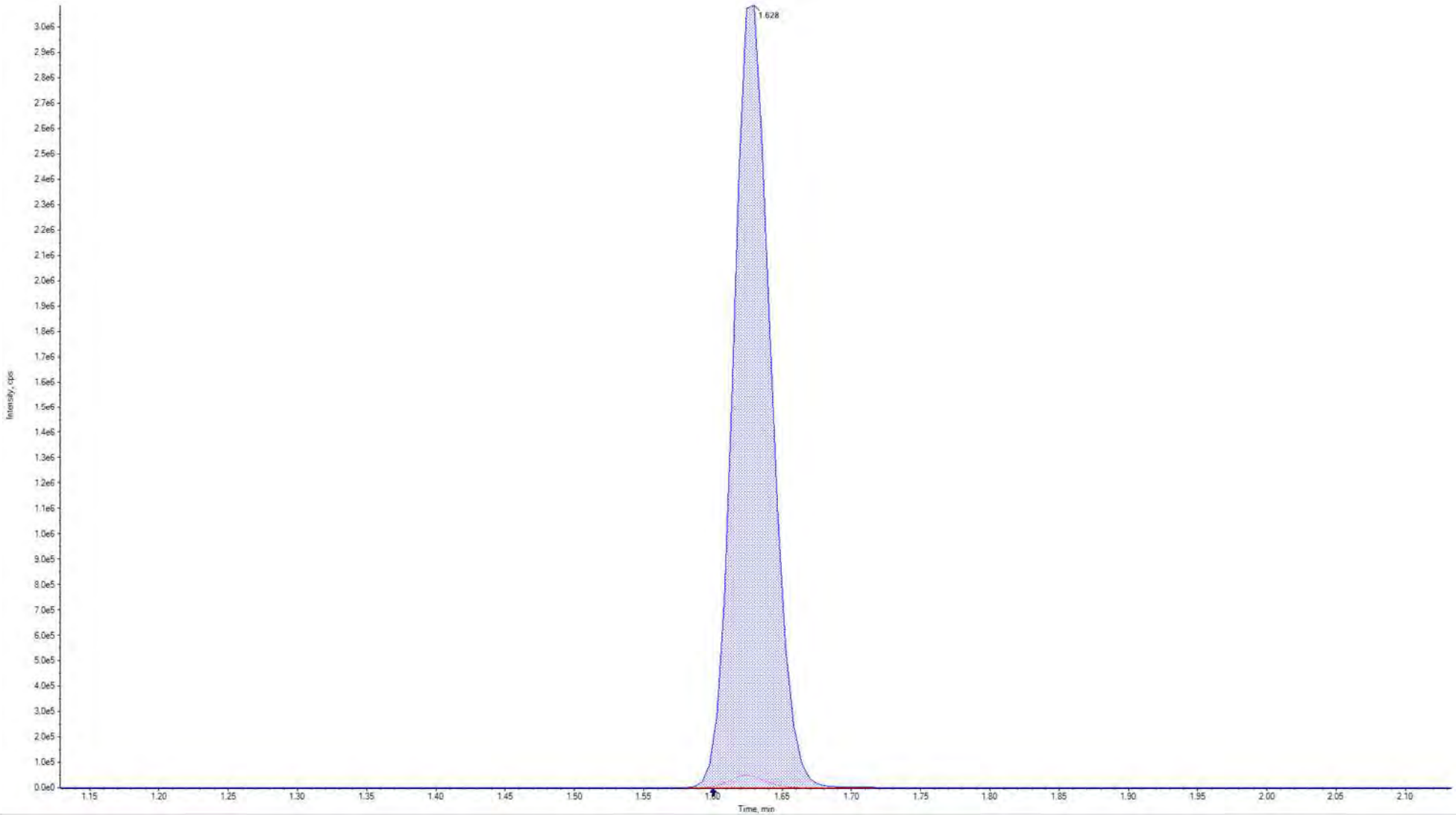
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

4:2FTS
Sample: IA1633STD-50 S/N:14697.2 Points Across peak:36



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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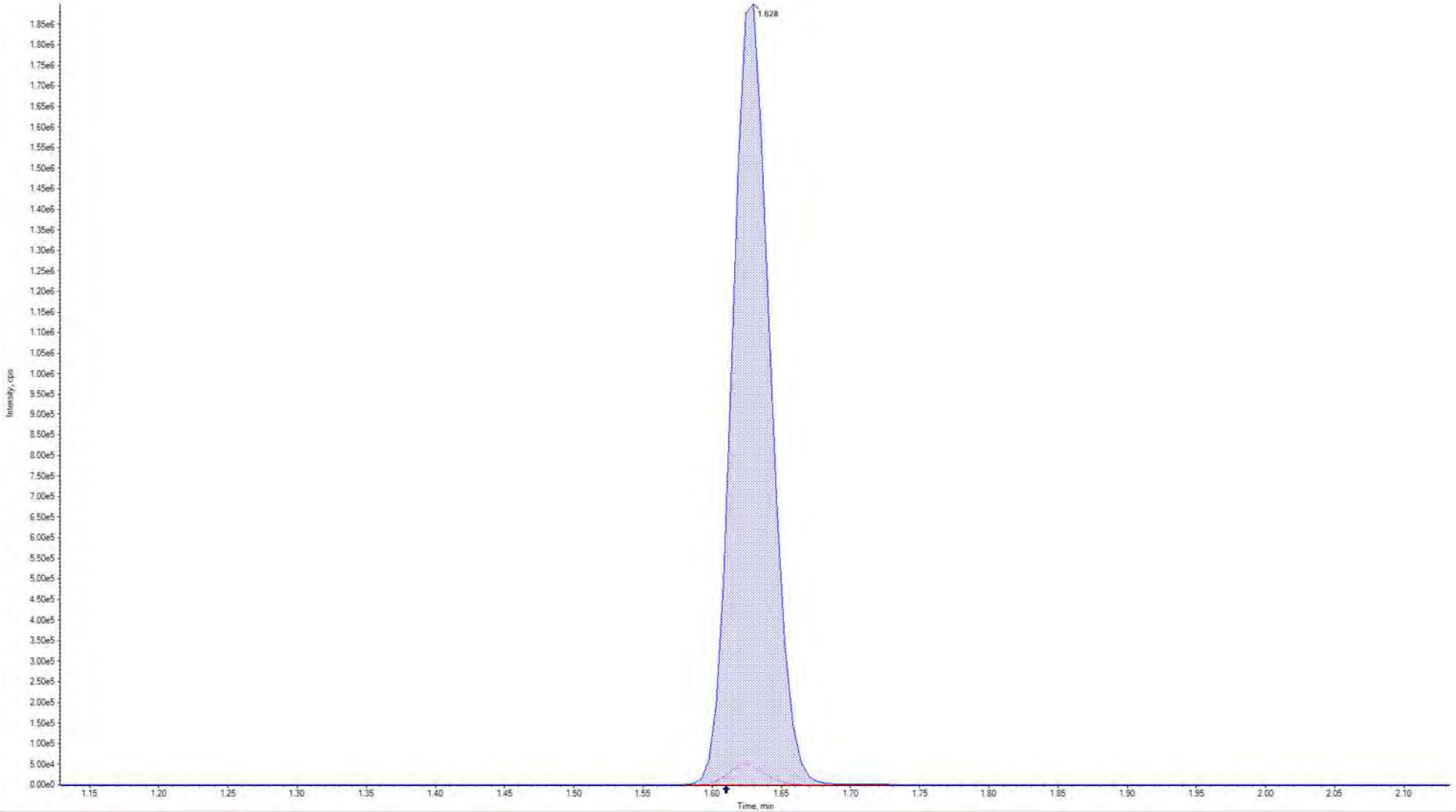
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

4:2FTS_2
Sample: IA1633STD-50 S/N:9216.1 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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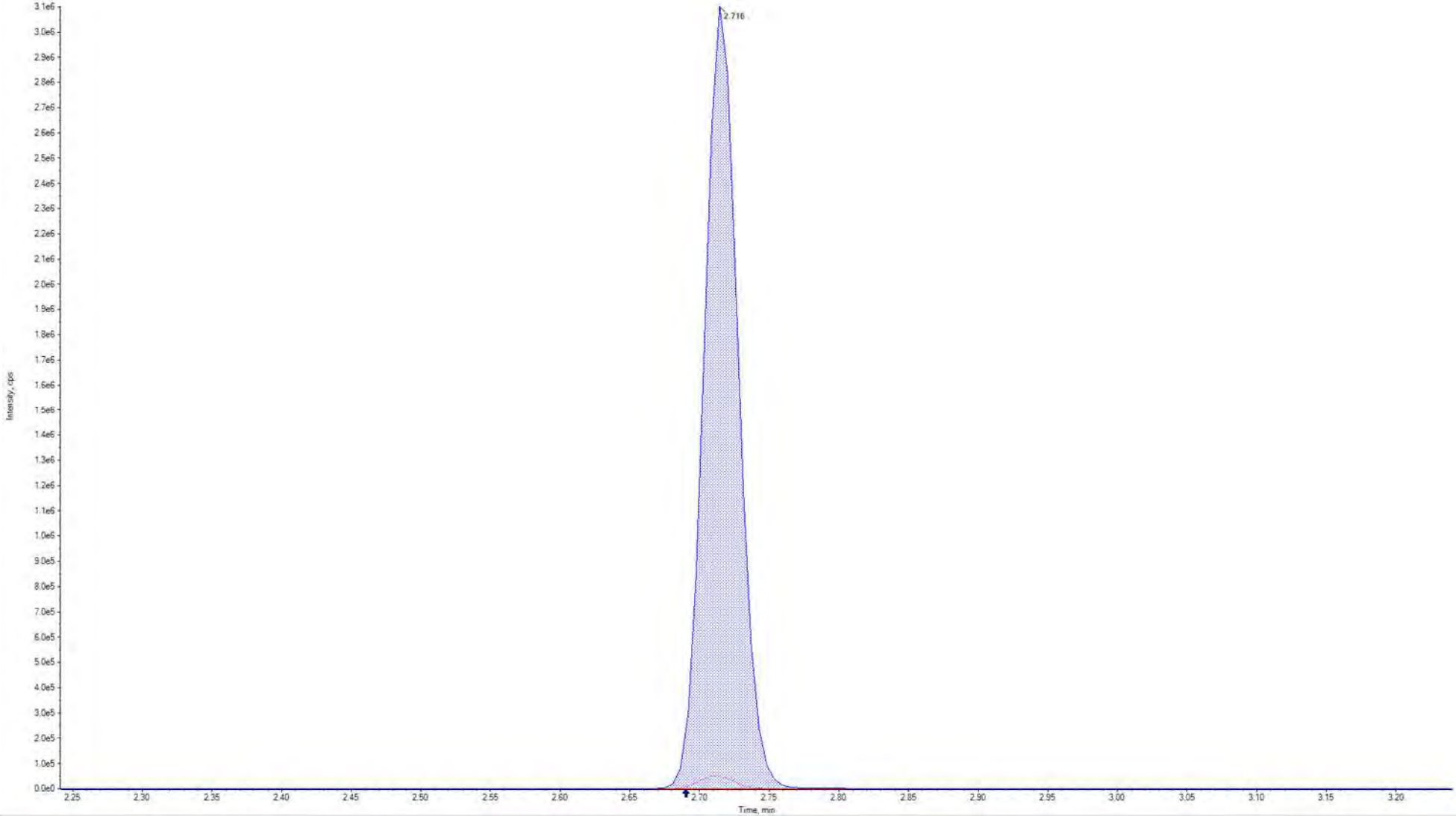
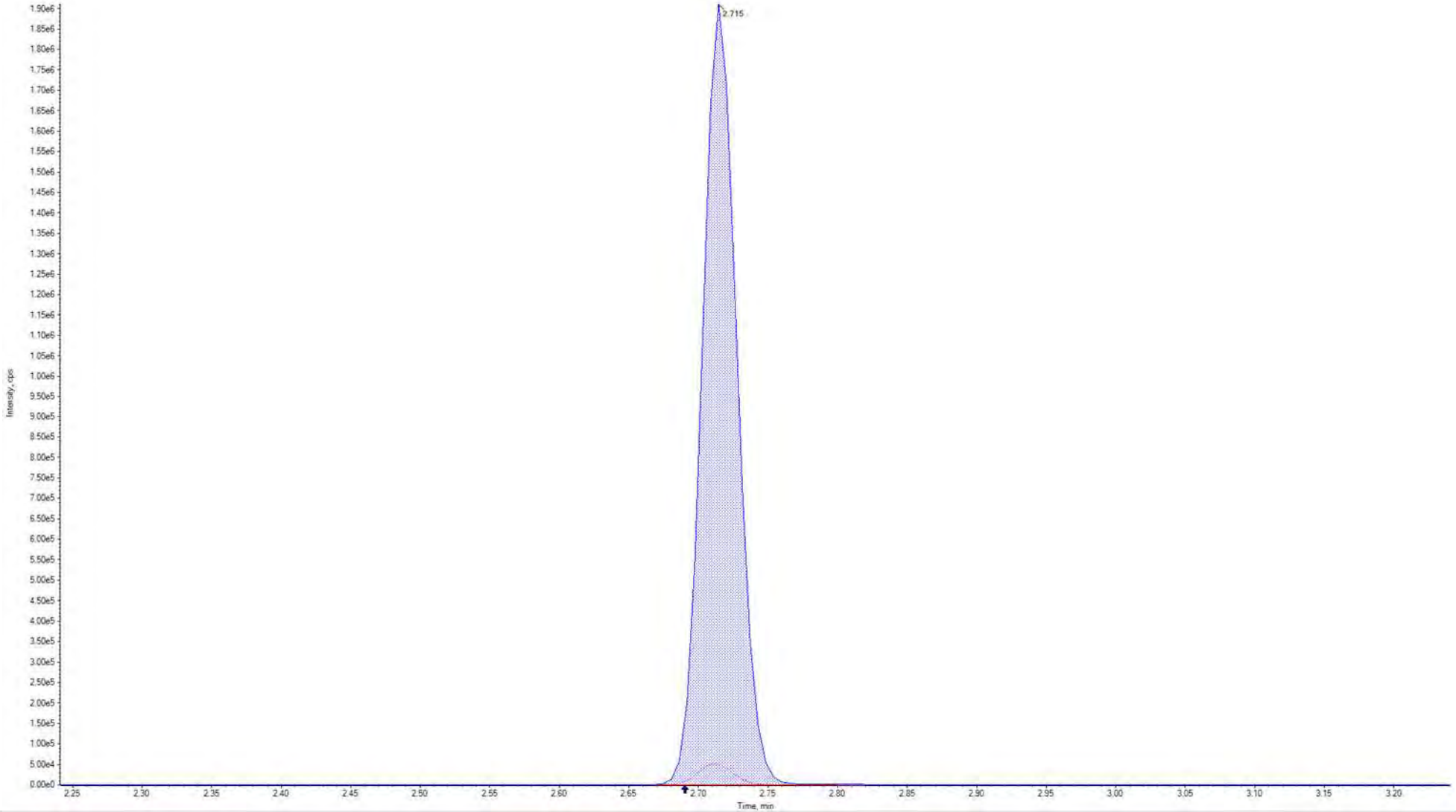
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

6:2FTS
Sample: IA1633STD-50 S/N:8915.3 Points Across peak:40



6:2FTS_2
Sample: IA1633STD-50 S/N:38328.4 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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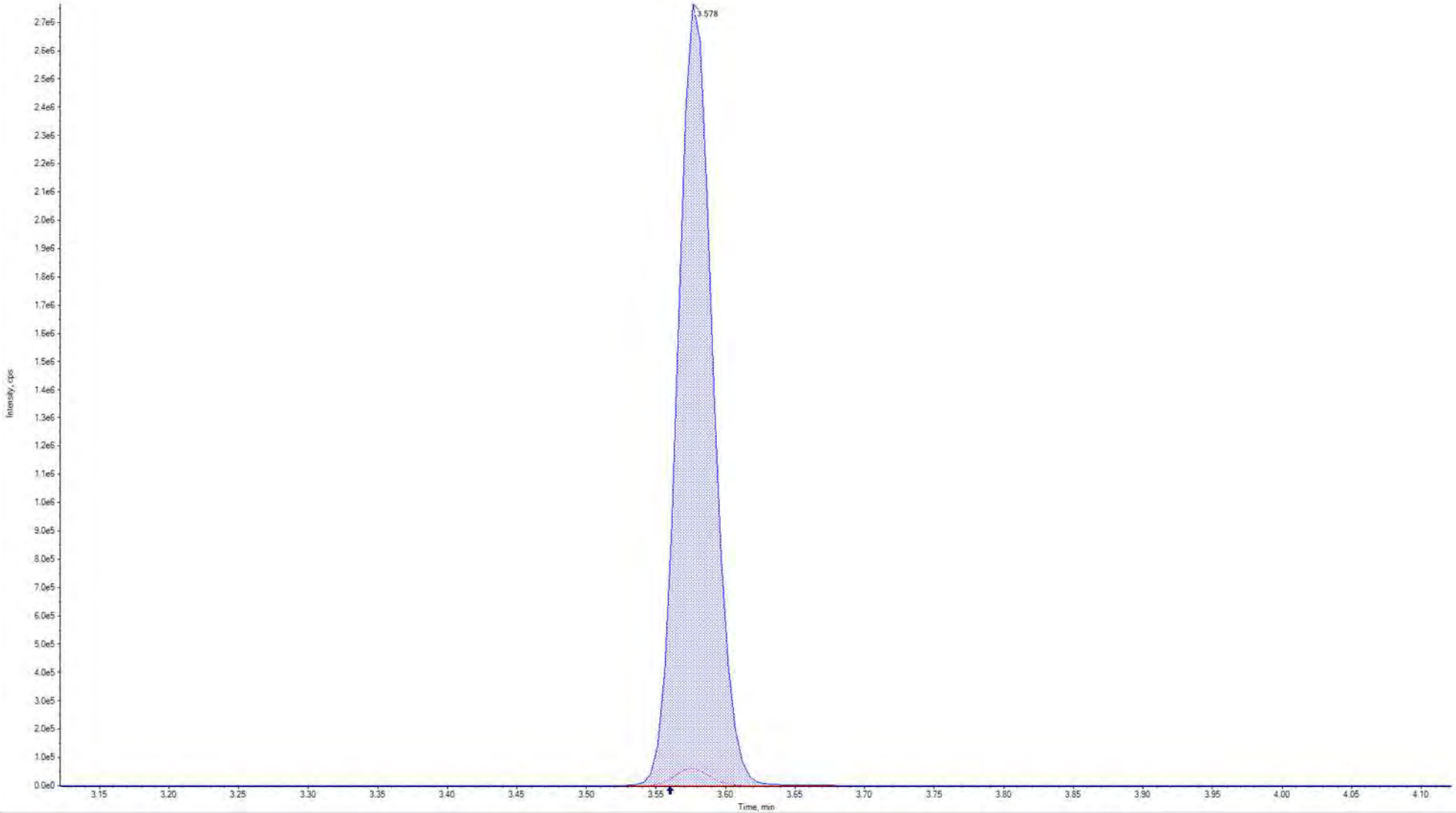
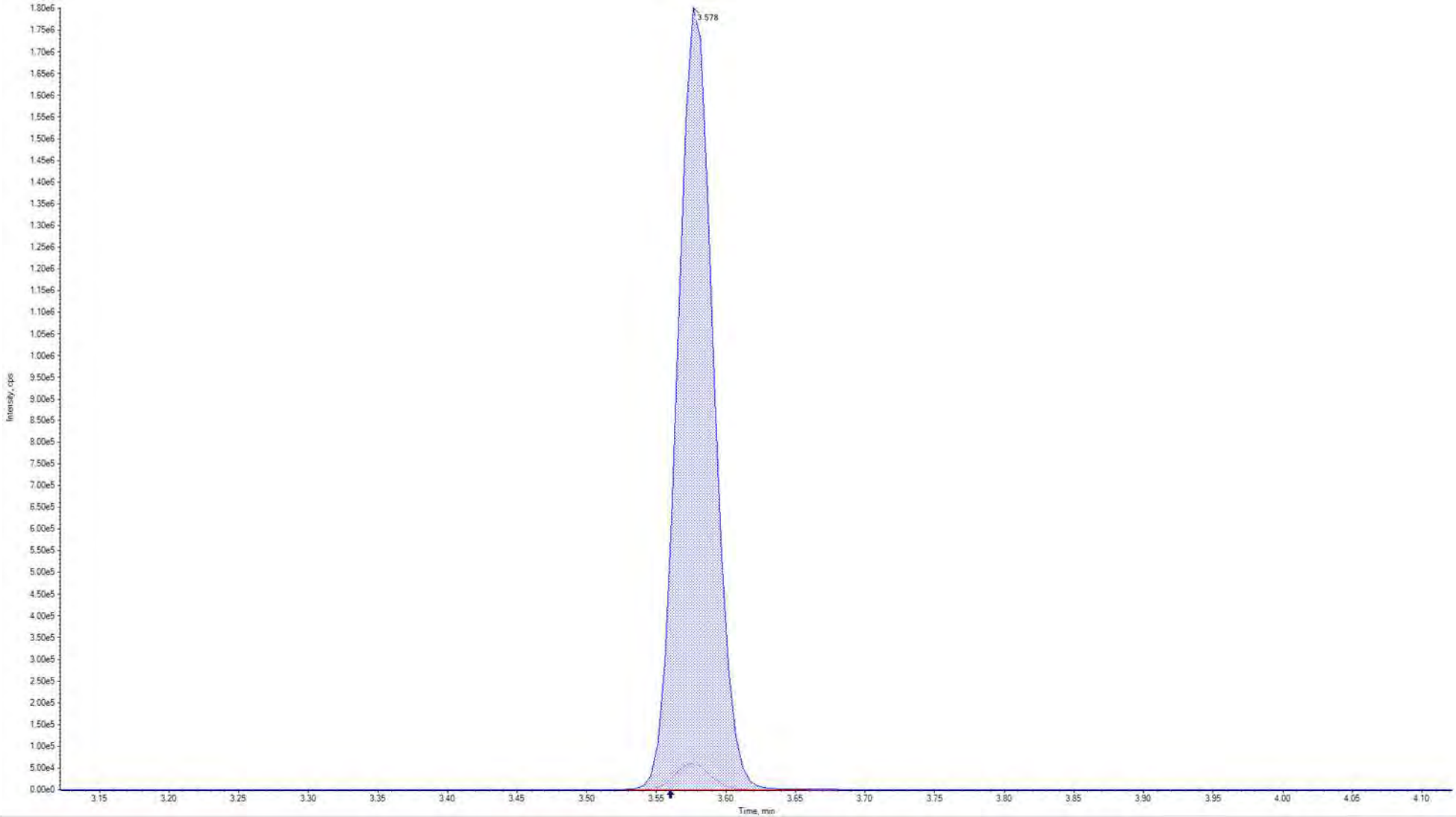
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

8:2FTS
Sample: IA1633STD-50 S/N:8286.4 Points Across peak:41



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_23.wiff2_8
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

8:2FTS_2
Sample: IA1633STD-50 S/N:7466.5 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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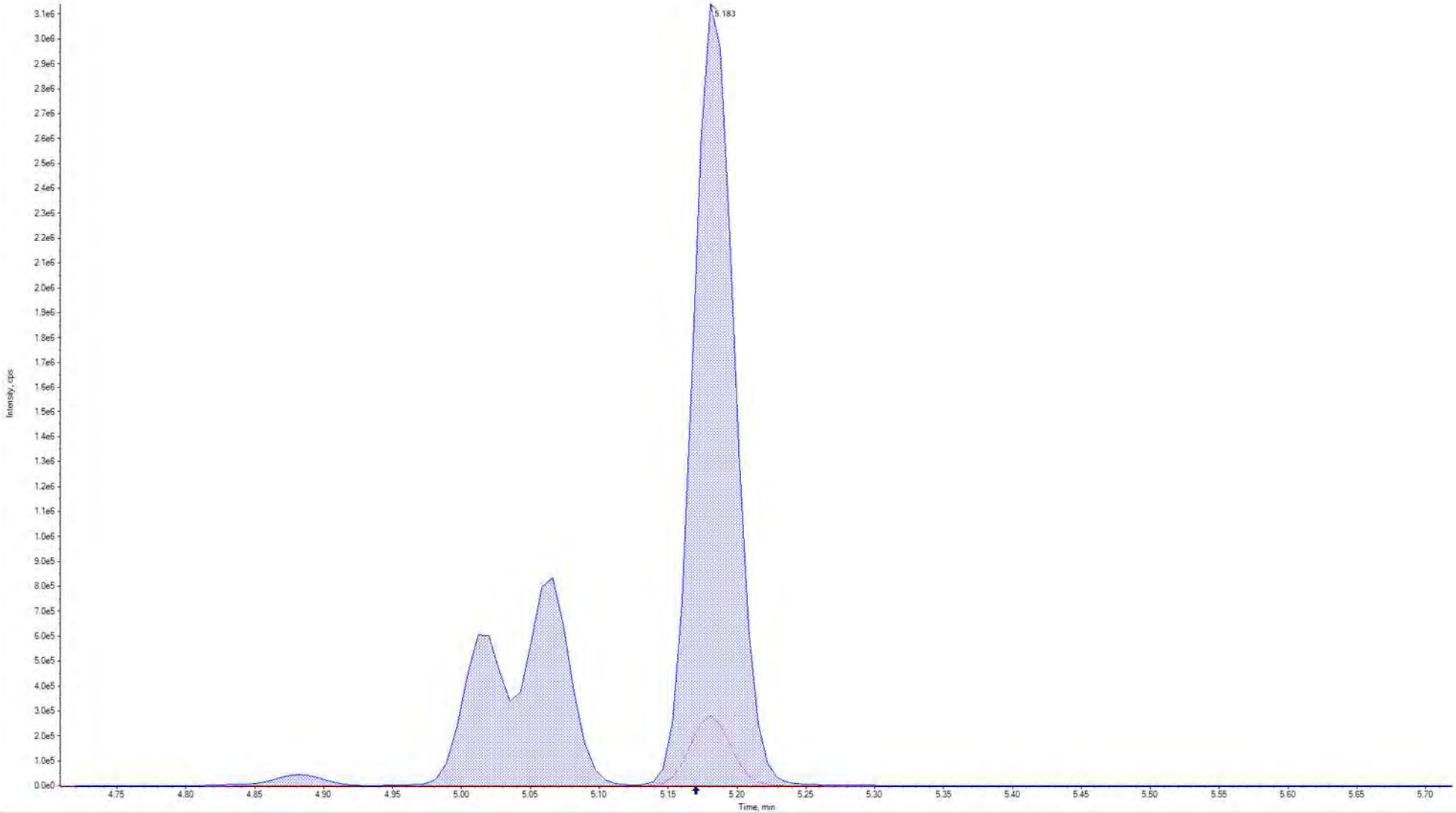
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFOSA
Sample: IA1633STD-50 S/N:388.1 Points Across peak:63



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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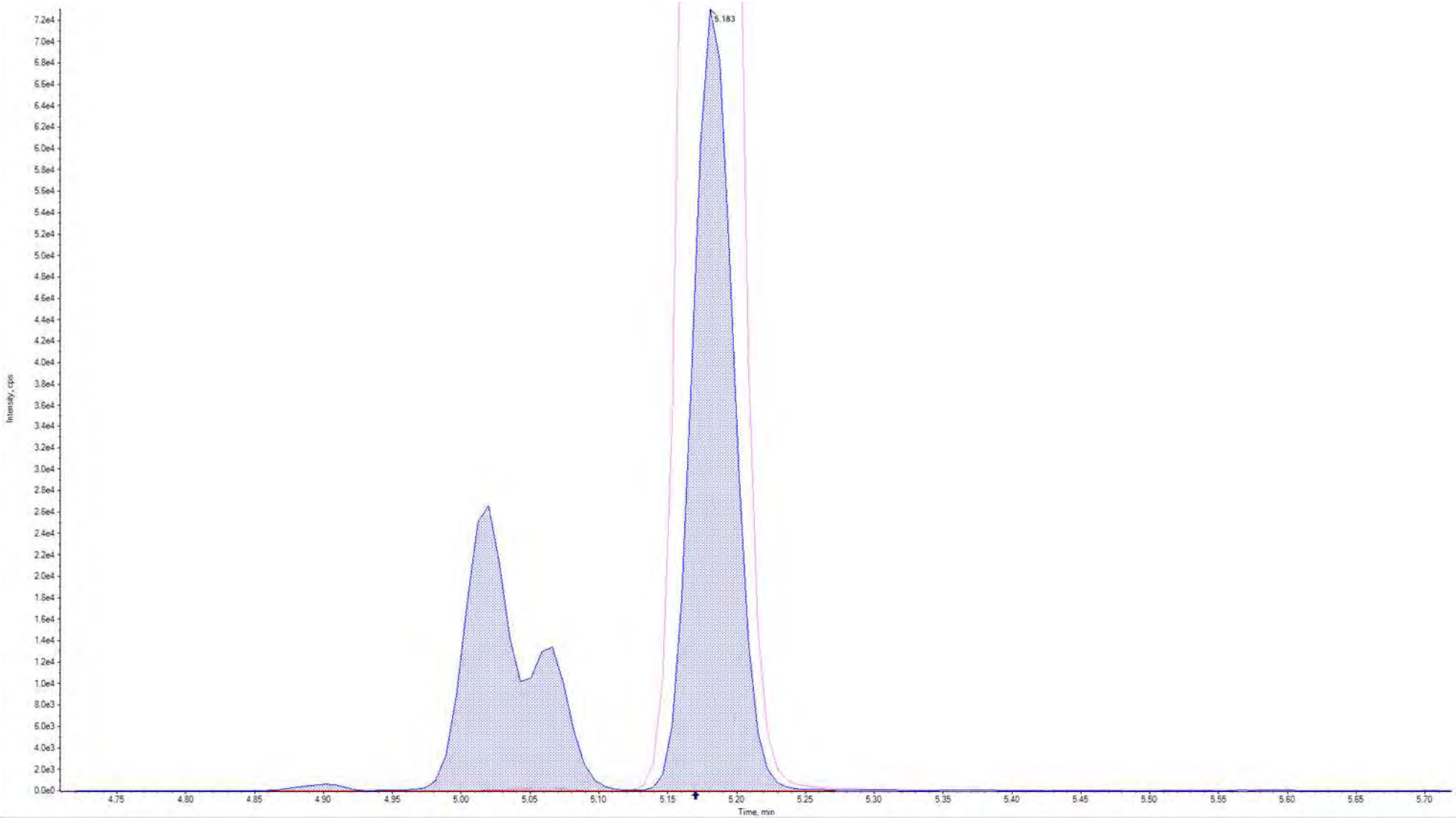
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFOSA_2
Sample: IA1633STD-50 S/N:437.8 Points Across peak:61



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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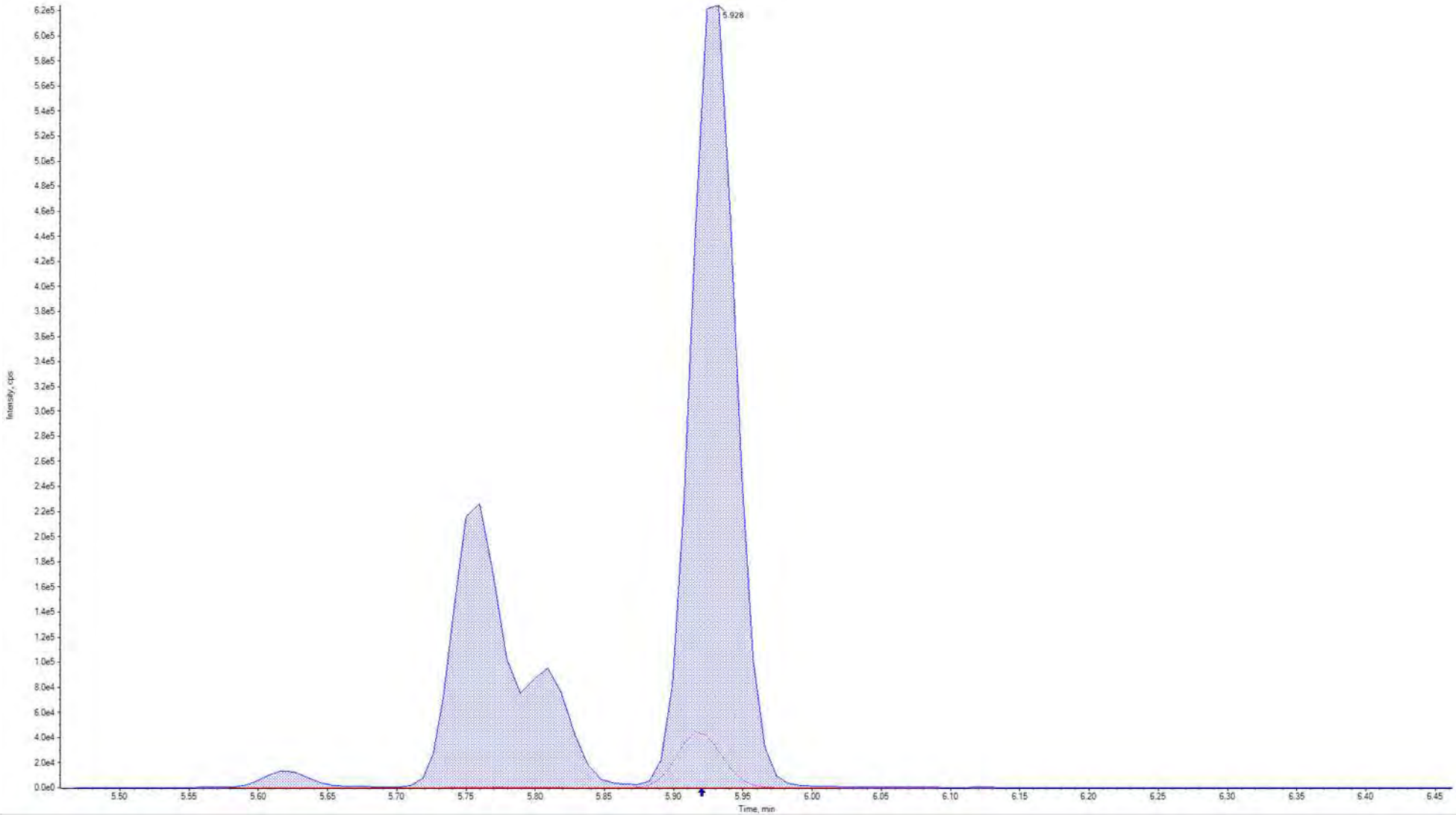
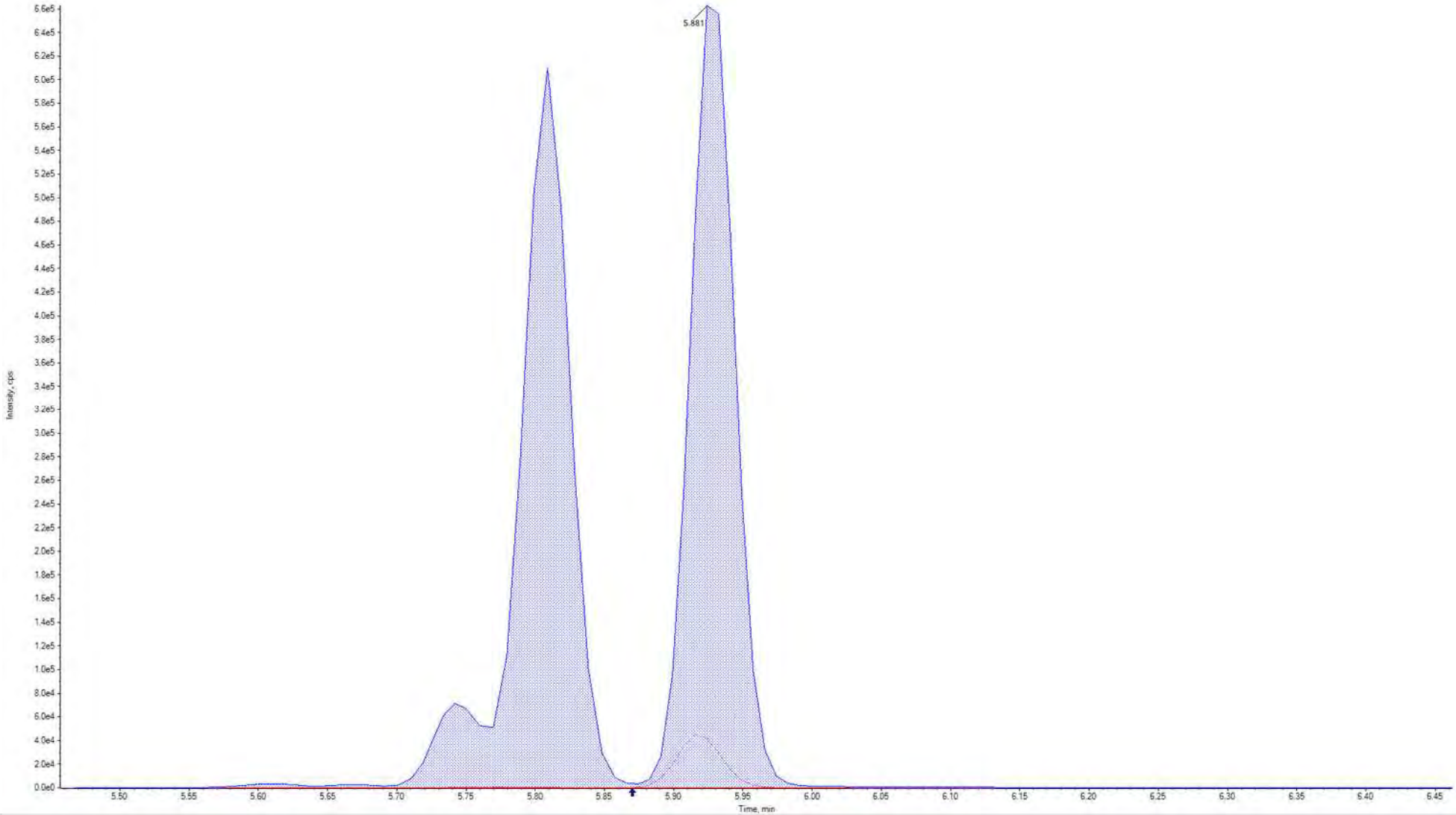
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NMeFOSA
Sample: IA1633STD-50 S/N:374.3 Points Across peak:52



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_23.wiff2_8
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NMeFOSA_2
Sample: IA1633STD-50 S/N:330.1 Points Across peak:54



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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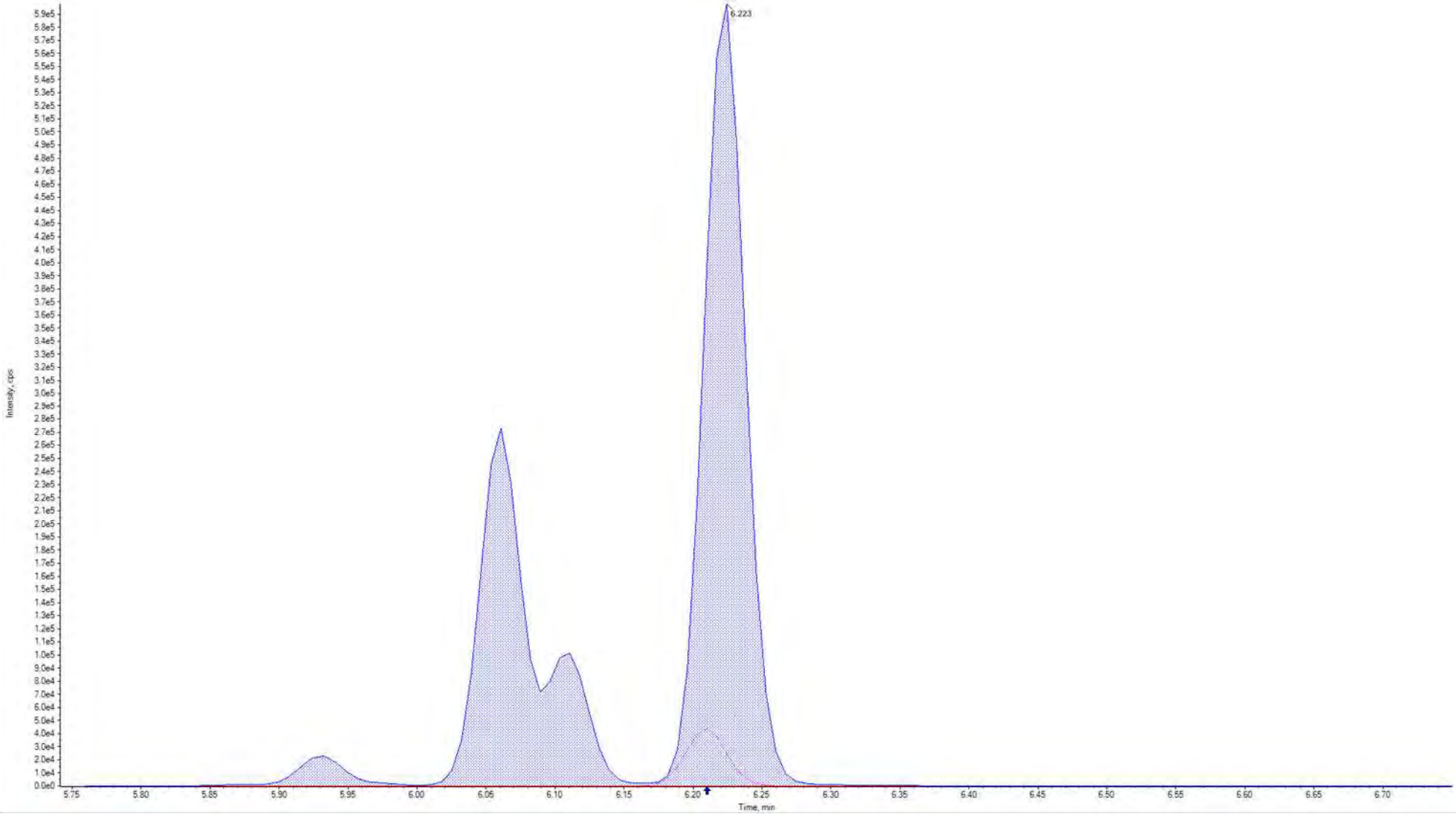
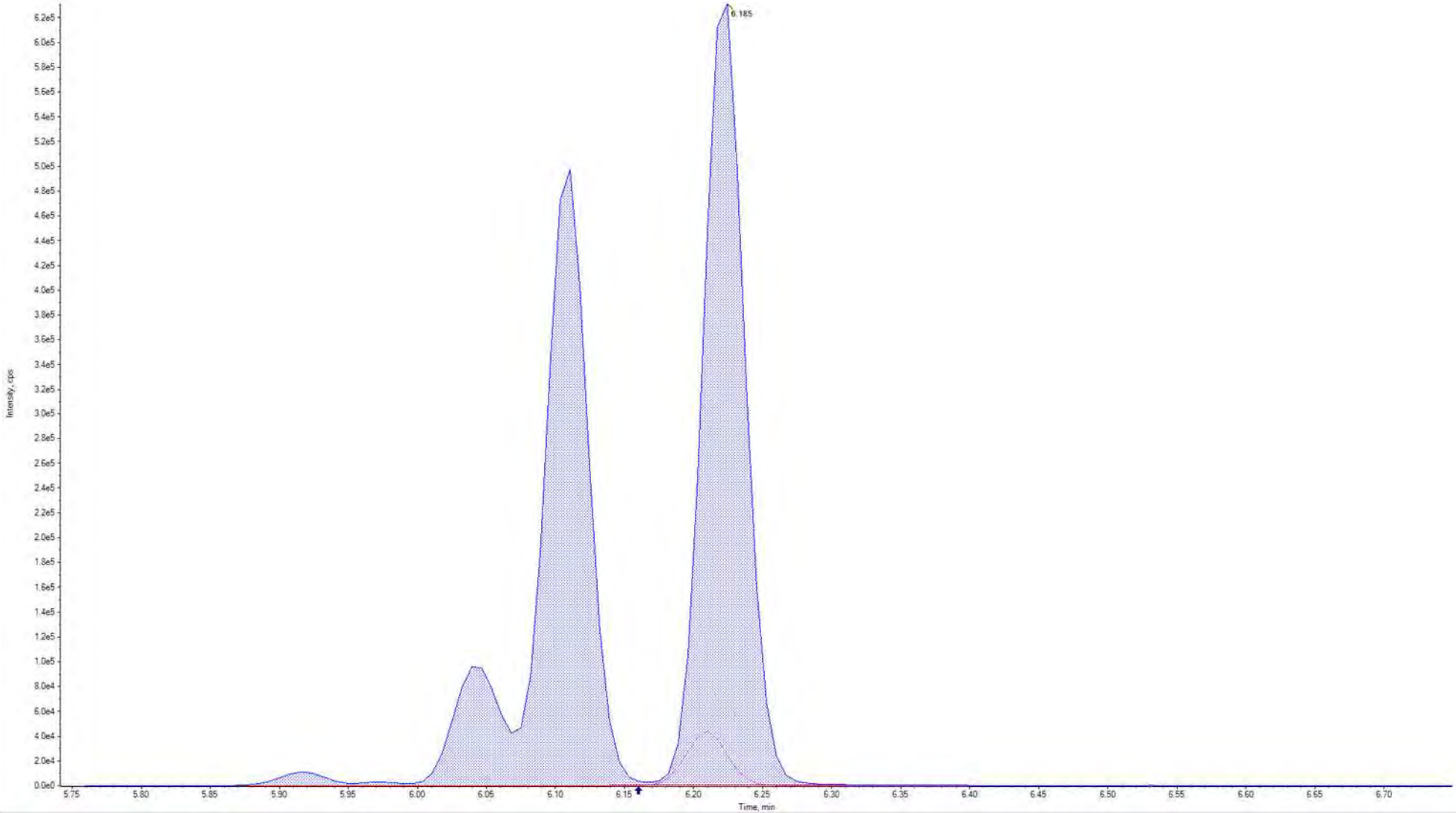
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NEtFOSA
Sample: IA1633STD-50 S/N:688.5 Points Across peak:78



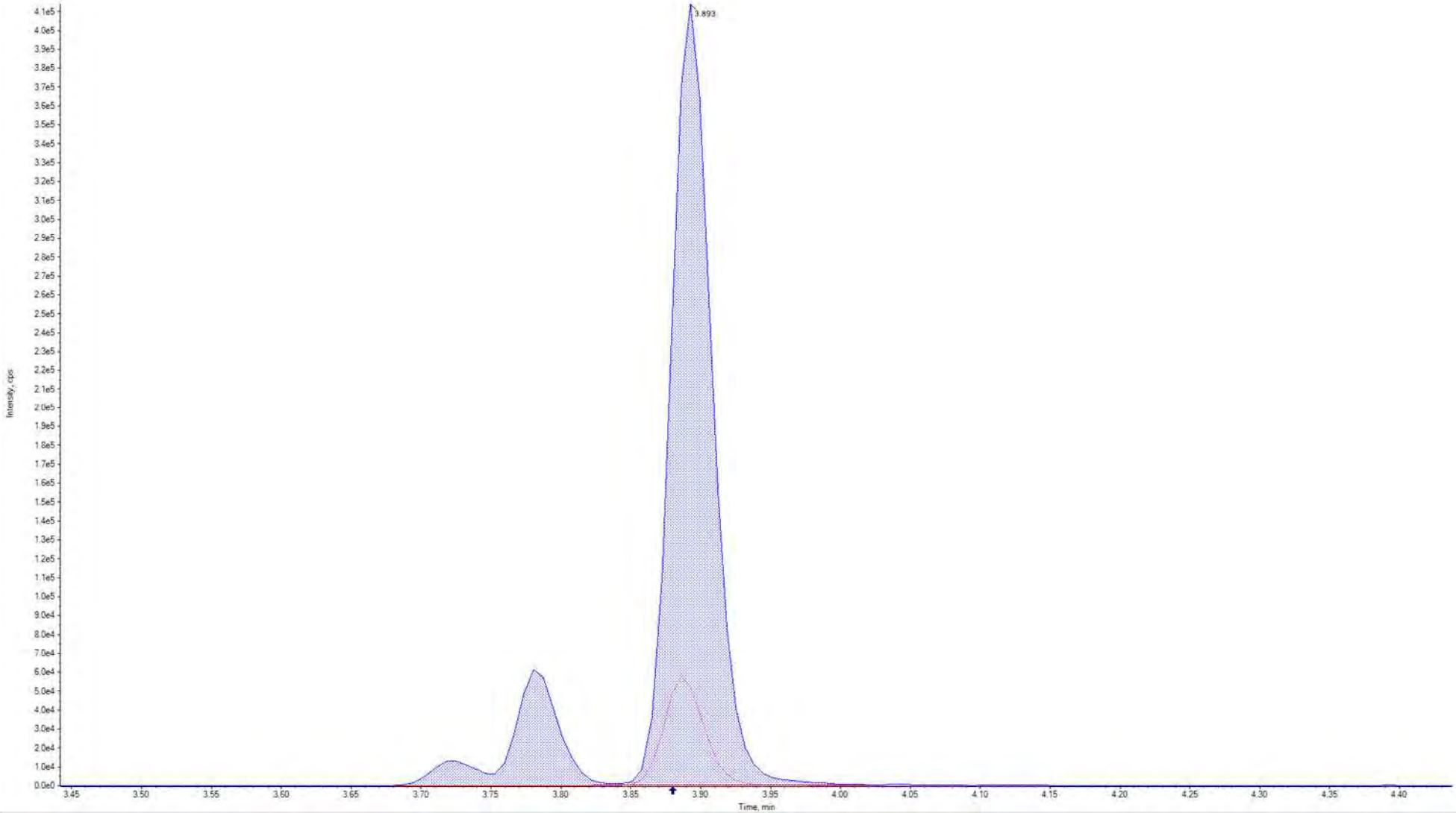
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_23.wiff2_8
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NEtFOSA_2
Sample: IA1633STD-50 S/N:573.4 Points Across peak:70



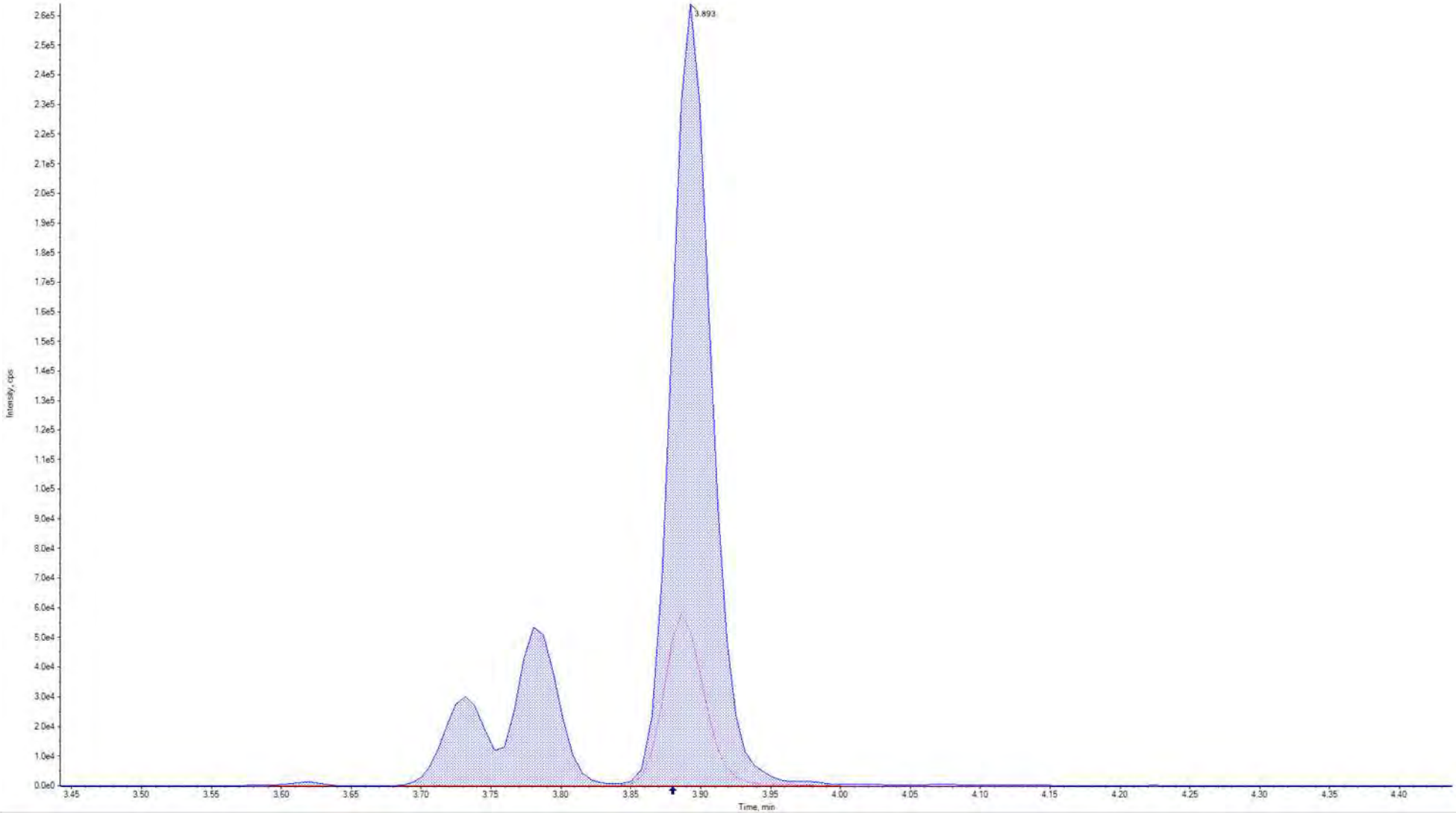
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_23.wiff2_8
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NMeFOSAA
Sample: IA1633STD-50 S/N:715.2 Points Across peak:56



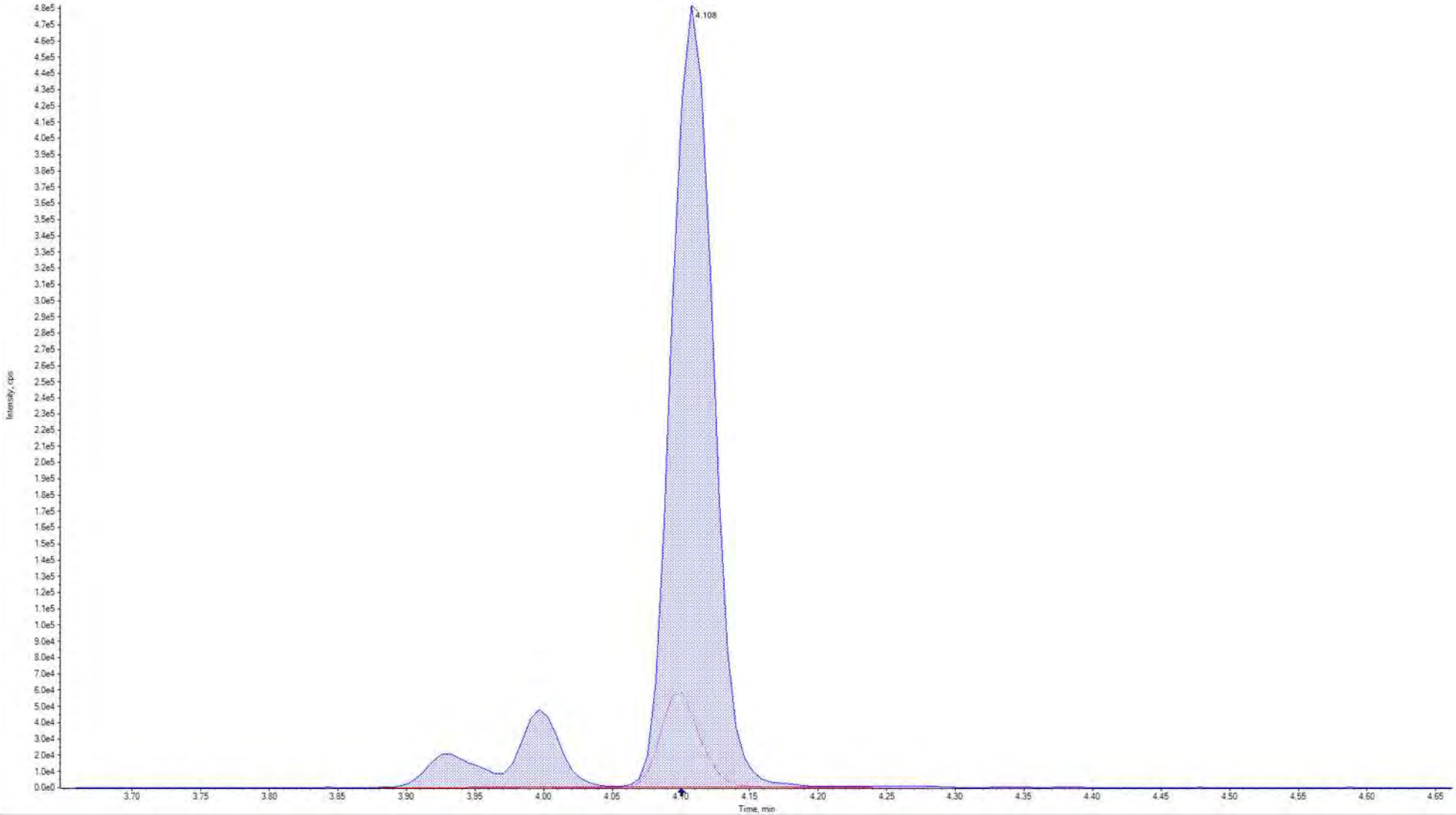
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_23.wiff2_8
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NMeFOSAA_2
Sample: IA1633STD-50 S/N:544.5 Points Across peak:67



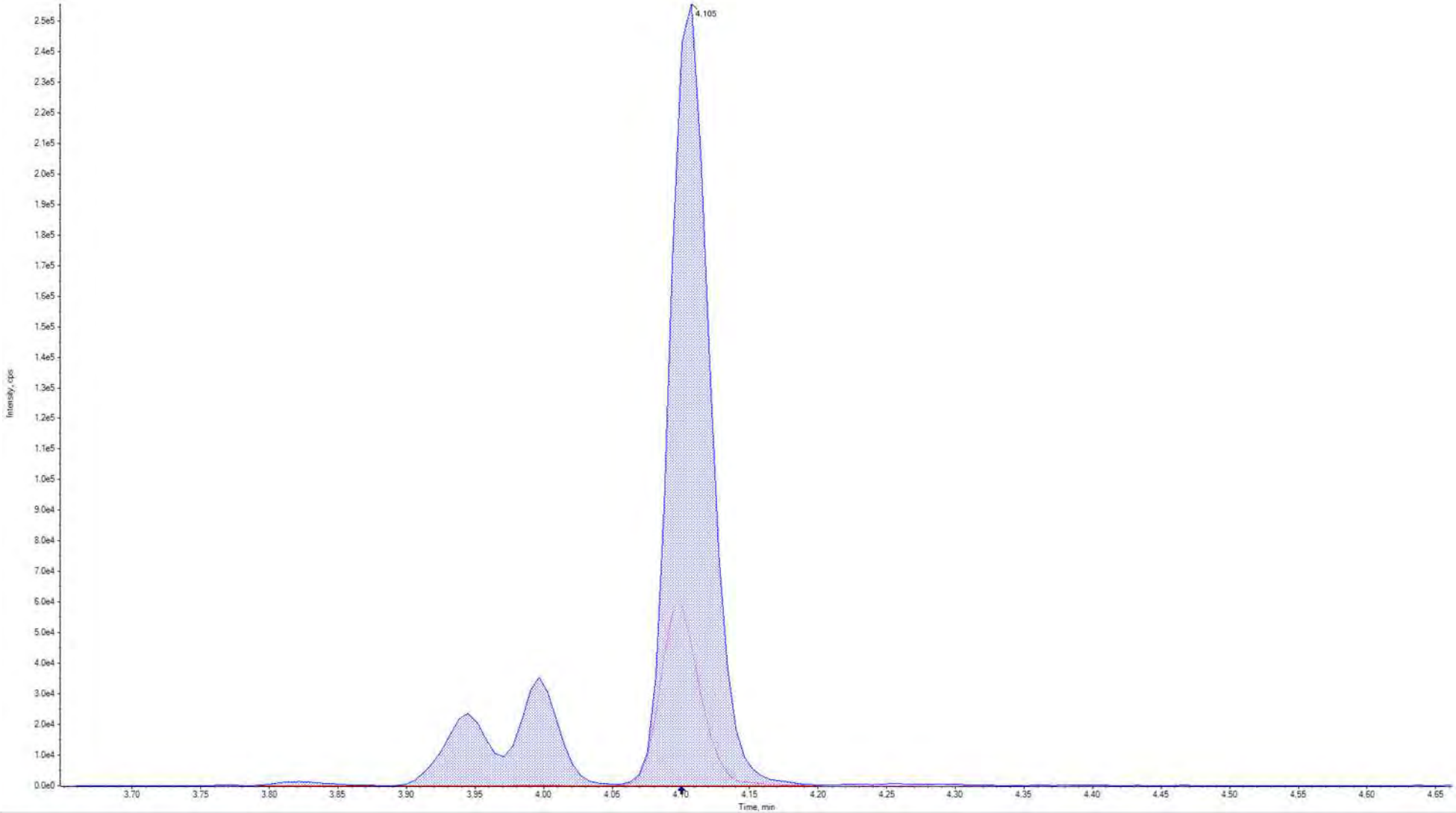
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_23.wiff2_8
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NEtFOSAA
Sample: IA1633STD-50 S/N:712.3 Points Across peak:62



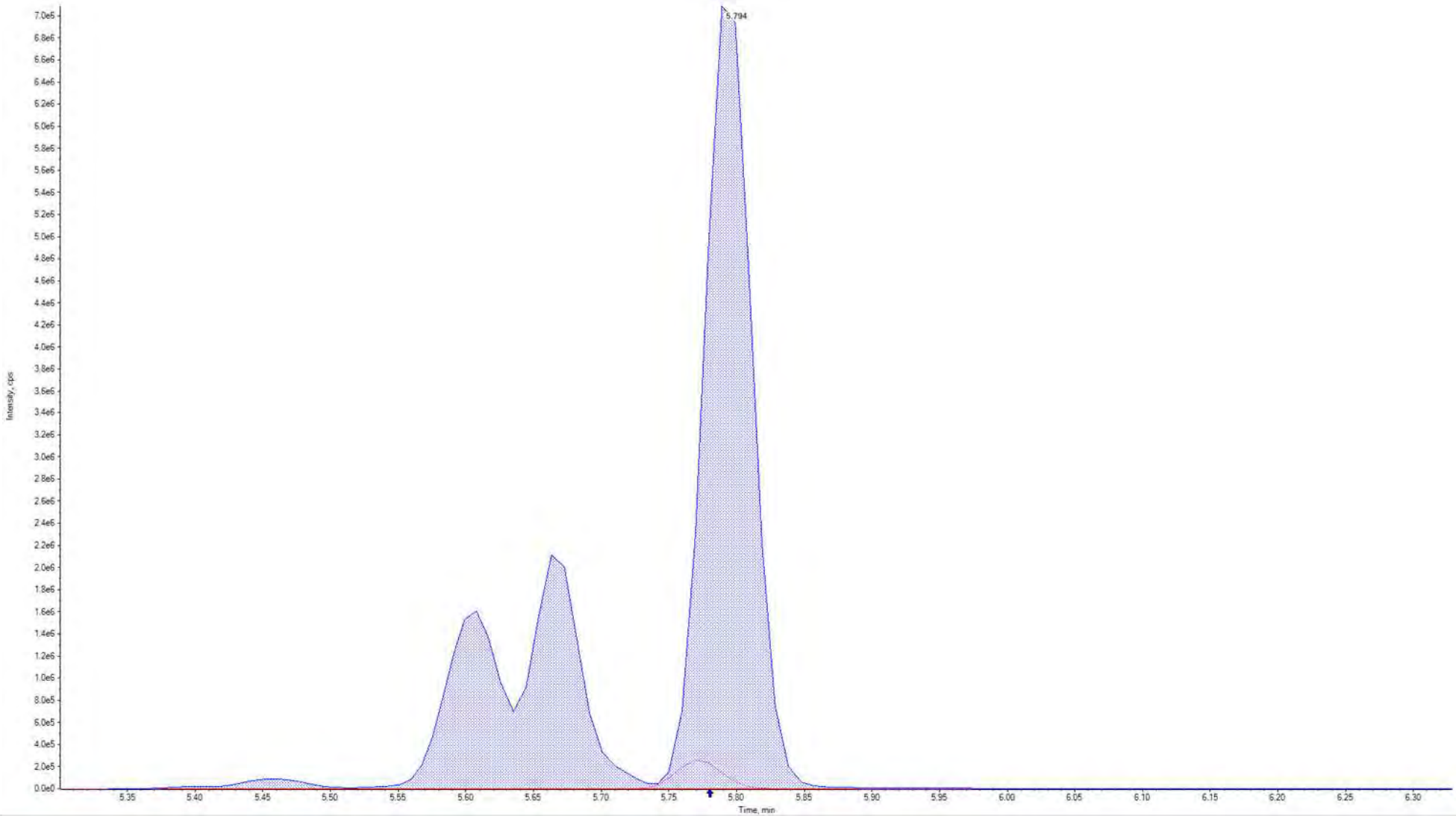
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_23.wiff2_8
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NEtFOSAA_2
Sample: IA1633STD-50 S/N:583.1 Points Across peak:65



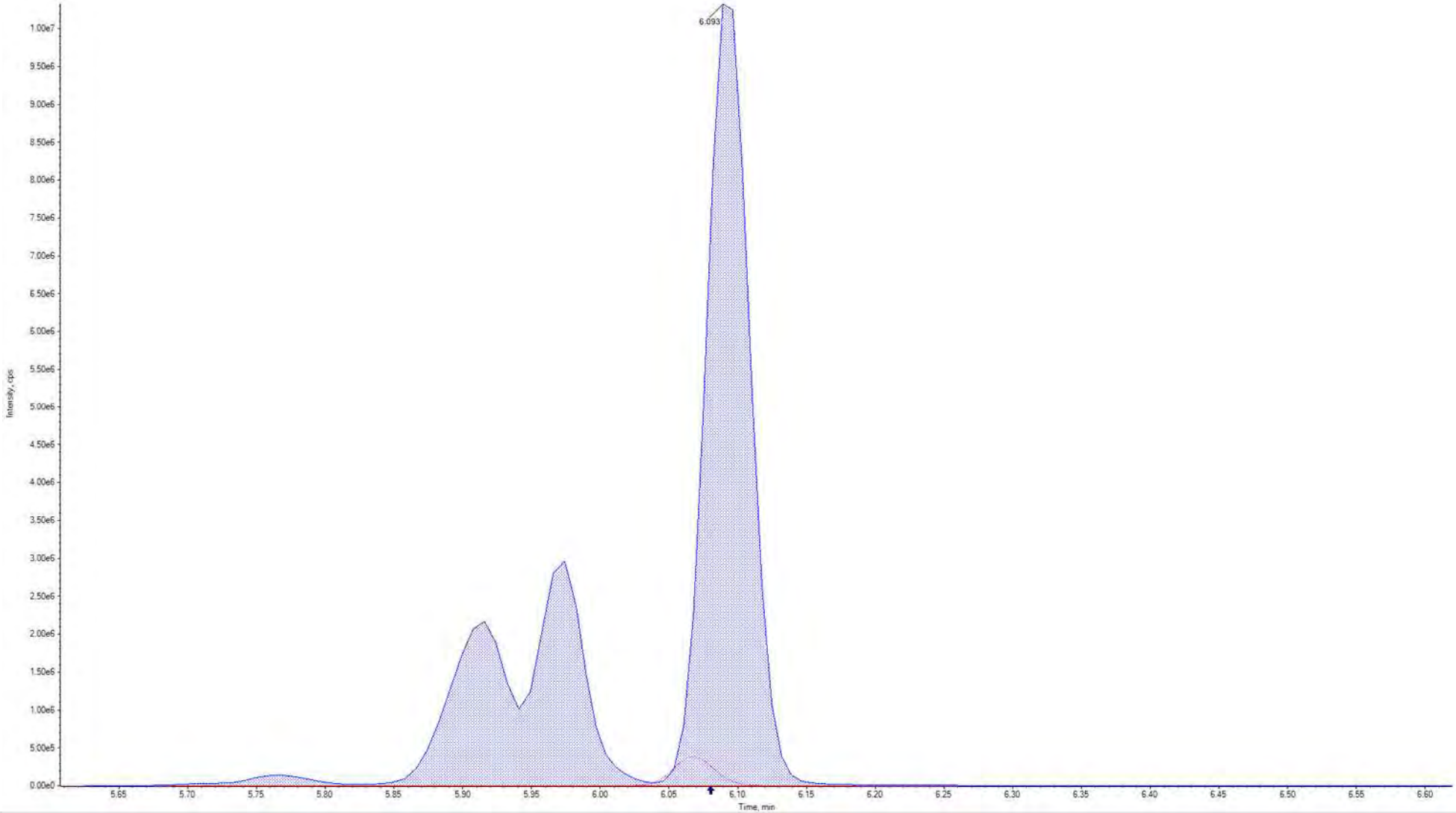
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_23.wiff2_8
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NMeFOSE
Sample: IA1633STD-50 S/N:235.7 Points Across peak:61



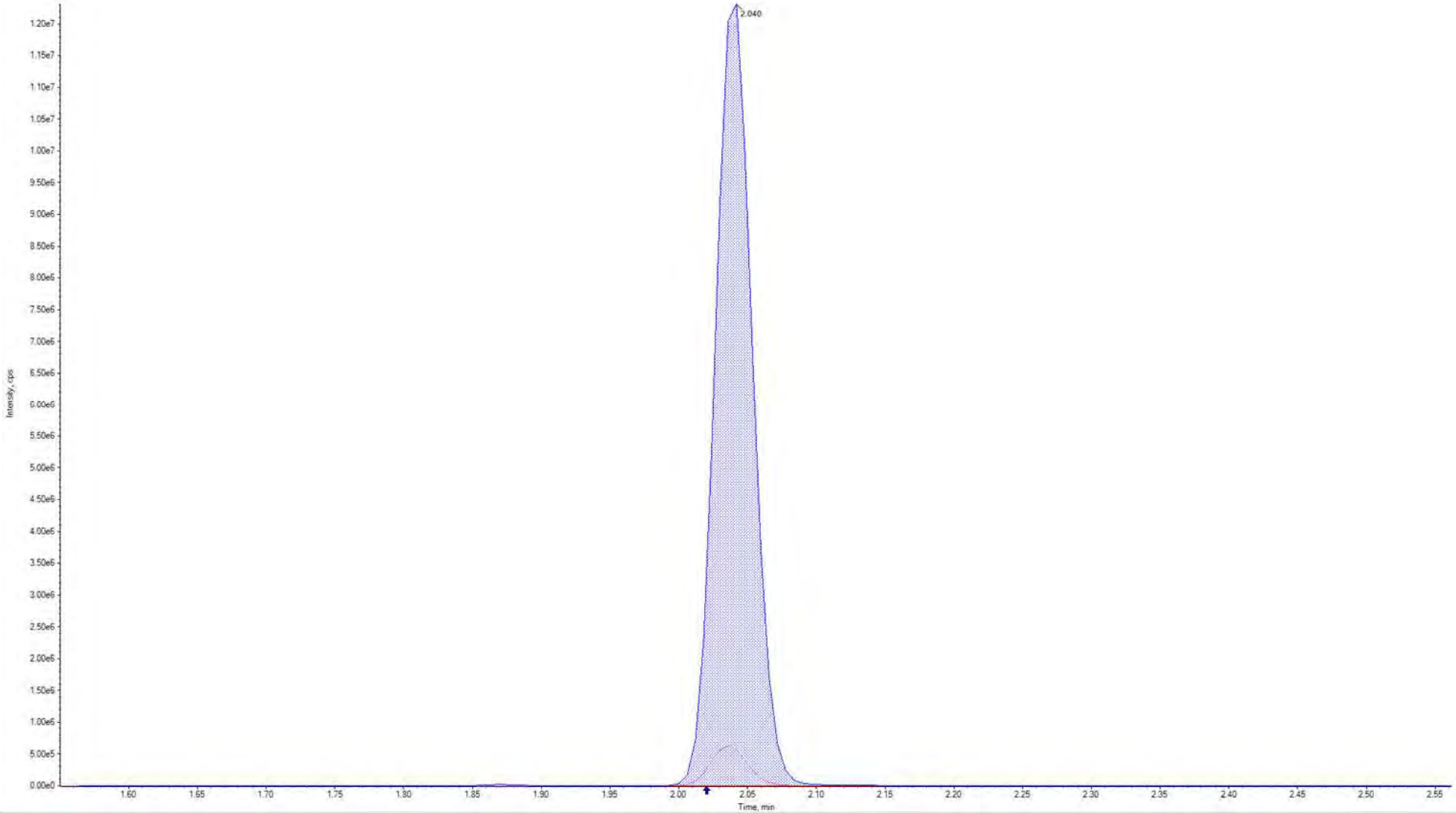
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_23.wiff2_8
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NEtFOSE
Sample: IA1633STD-50 S/N:411.8 Points Across peak:64



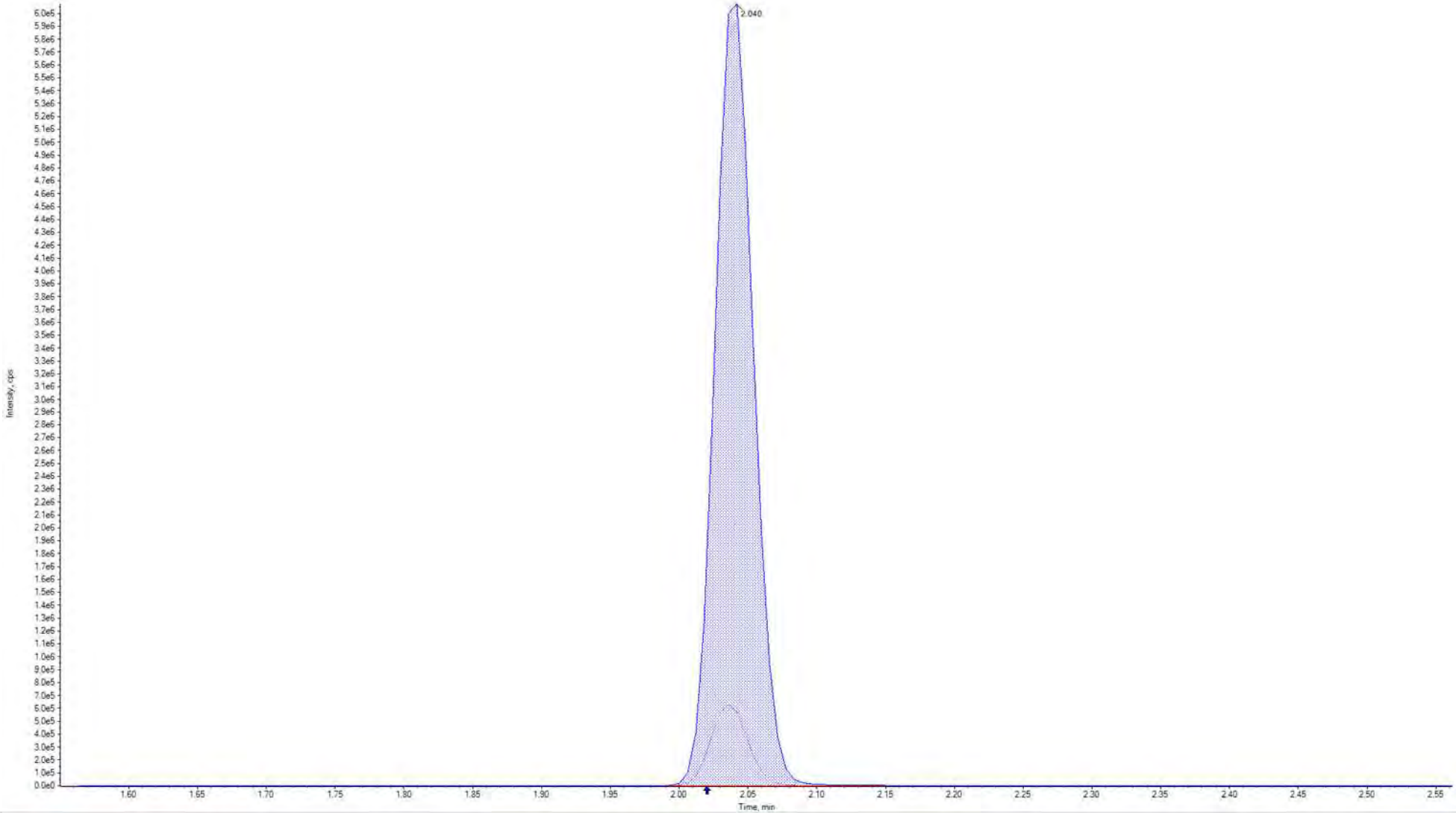
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_23.wiff2_8
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

HFPO-DA
Sample: IA1633STD-50 S/N:277774.4 Points Across peak:51



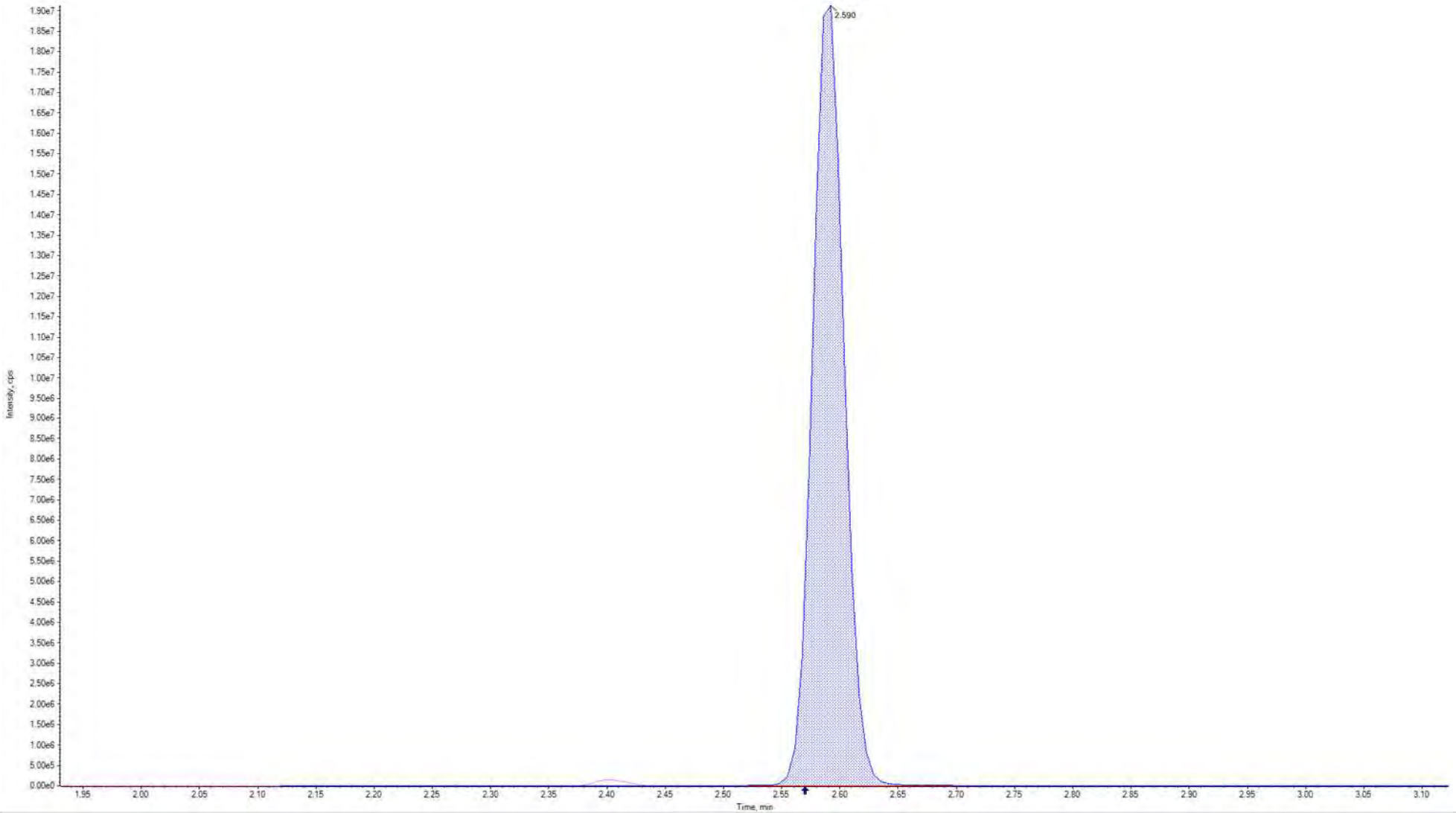
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_23.wiff2_8
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

HFPO-DA_2
Sample: IA1633STD-50 S/N:53784.0 Points Across peak:56



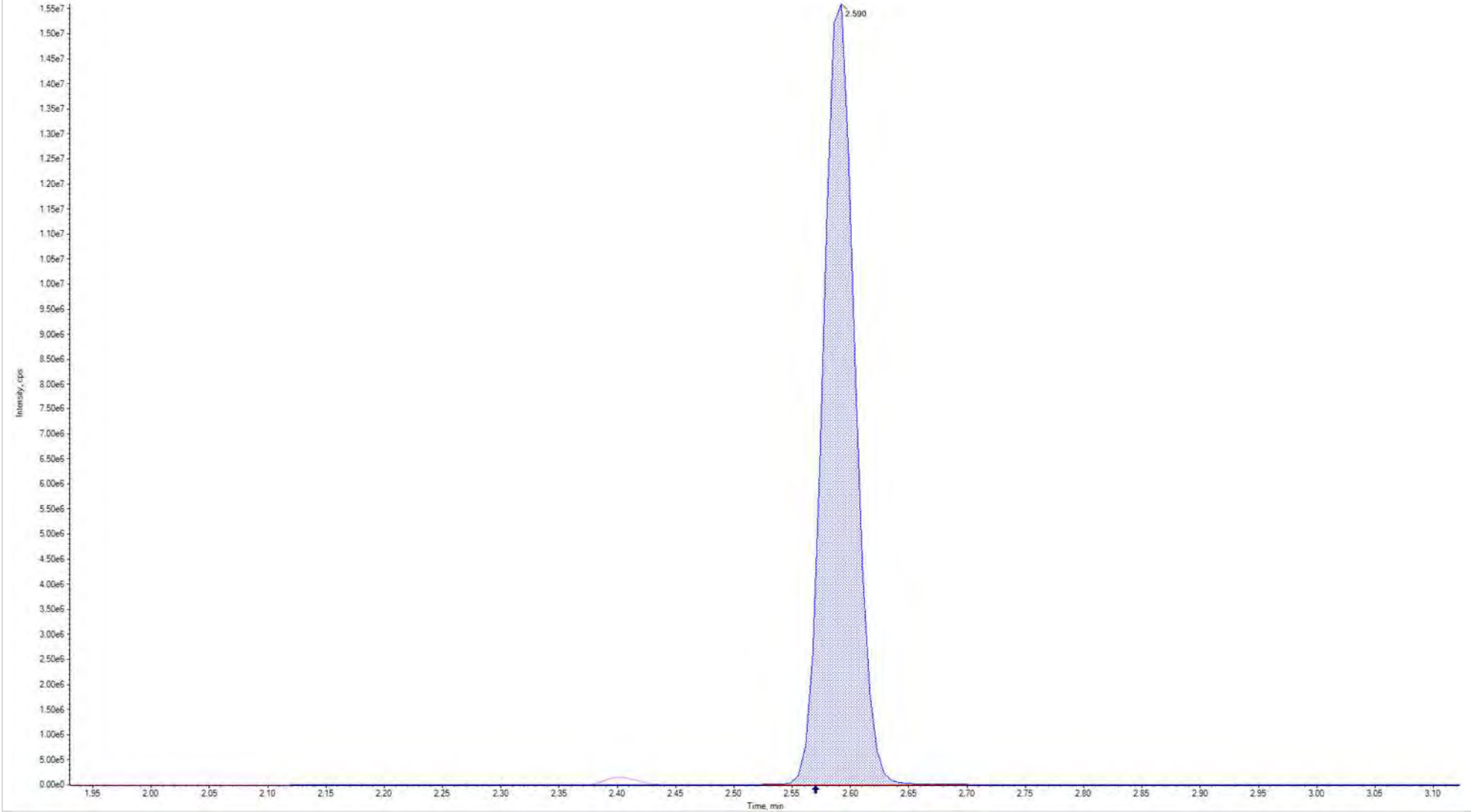
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_23.wiff2_8
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

ADONA
Sample: IA1633STD-50 S/N:114522.9 Points Across peak:42



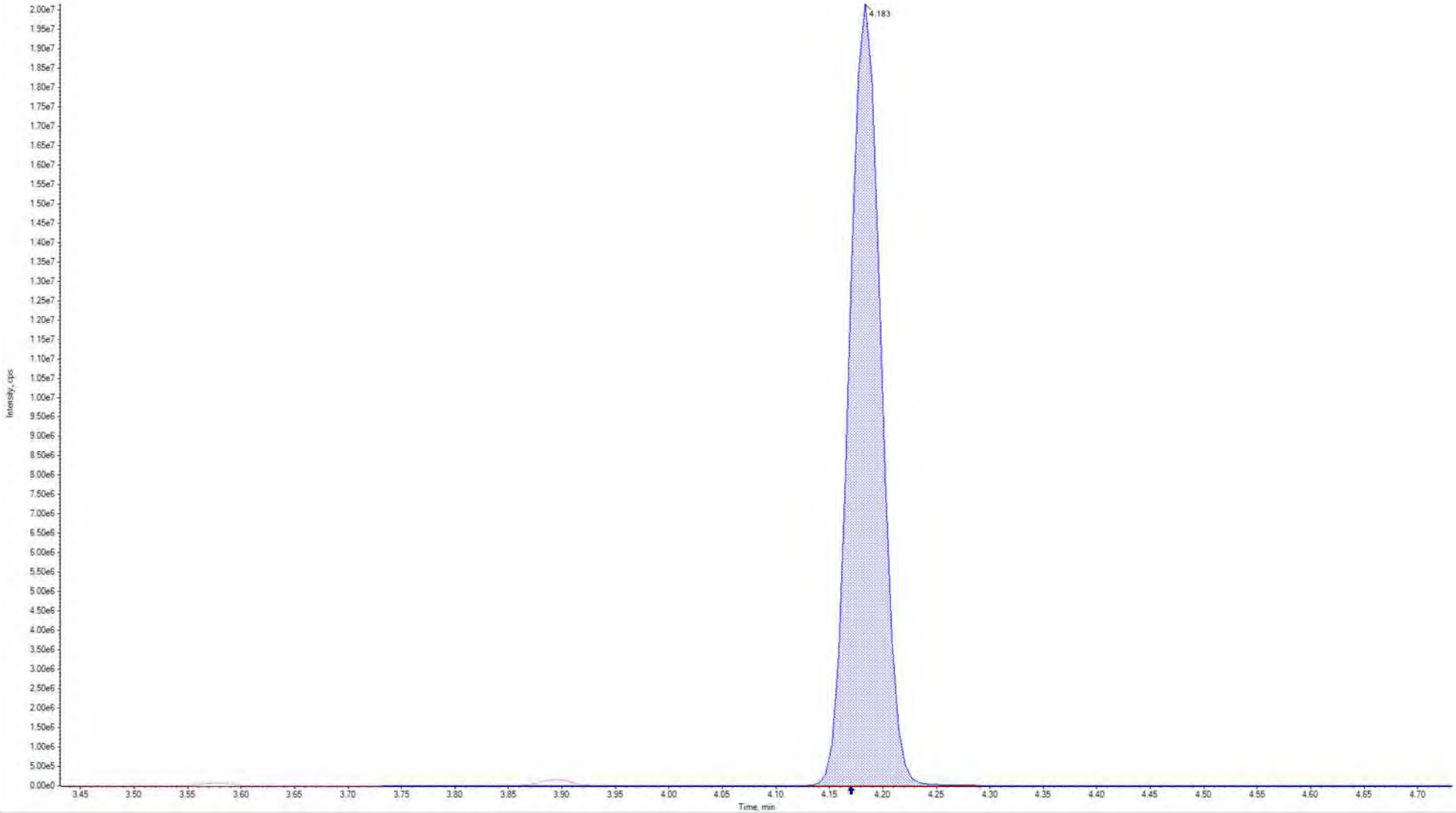
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_23.wiff2_8
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

ADONA_2
Sample: IA1633STD-50 S/N:312753.3 Points Across peak:51



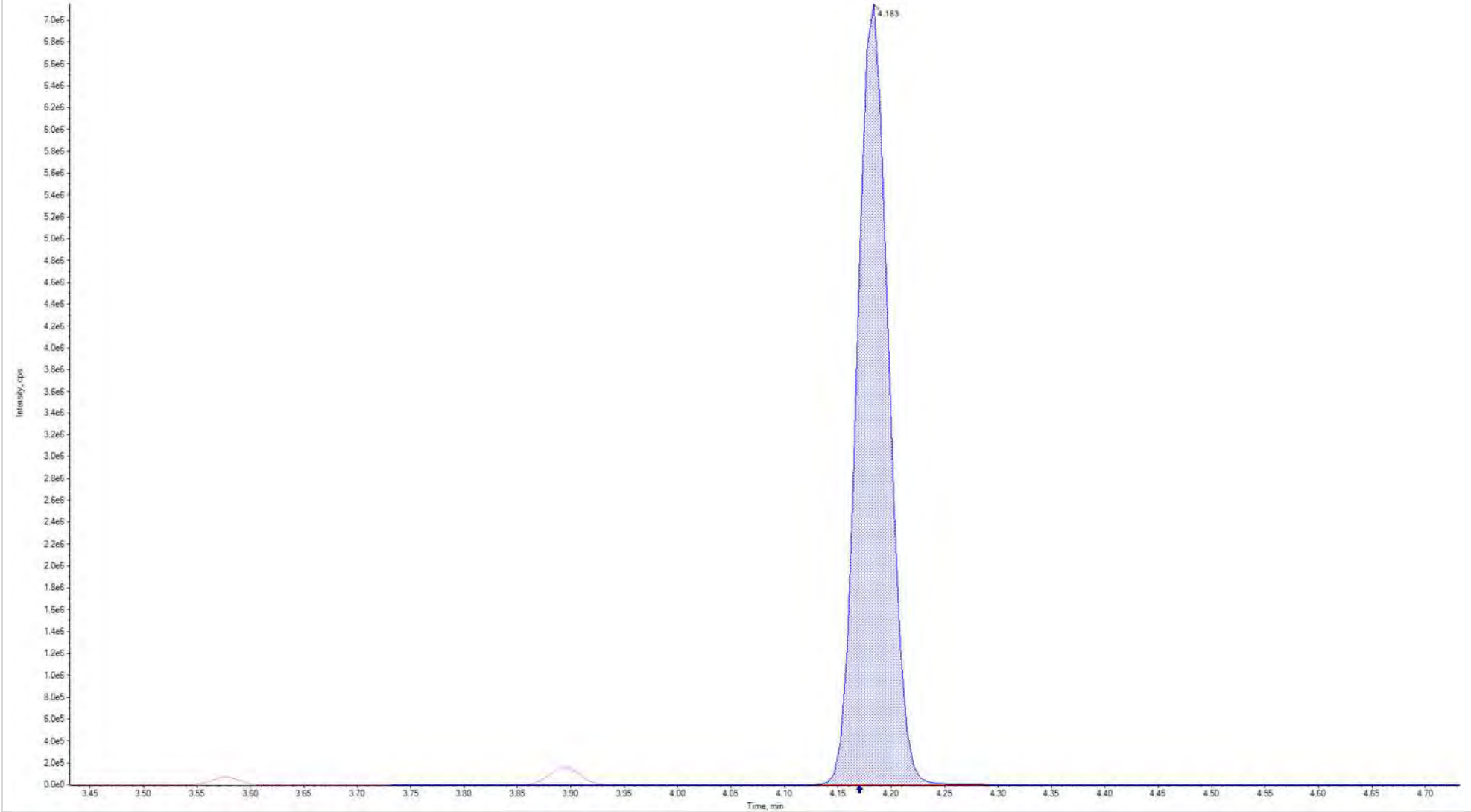
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_23.wiff2_8
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

9Cl-PF3ONS
Sample: IA1633STD-50 S/N:6011.7 Points Across peak:41



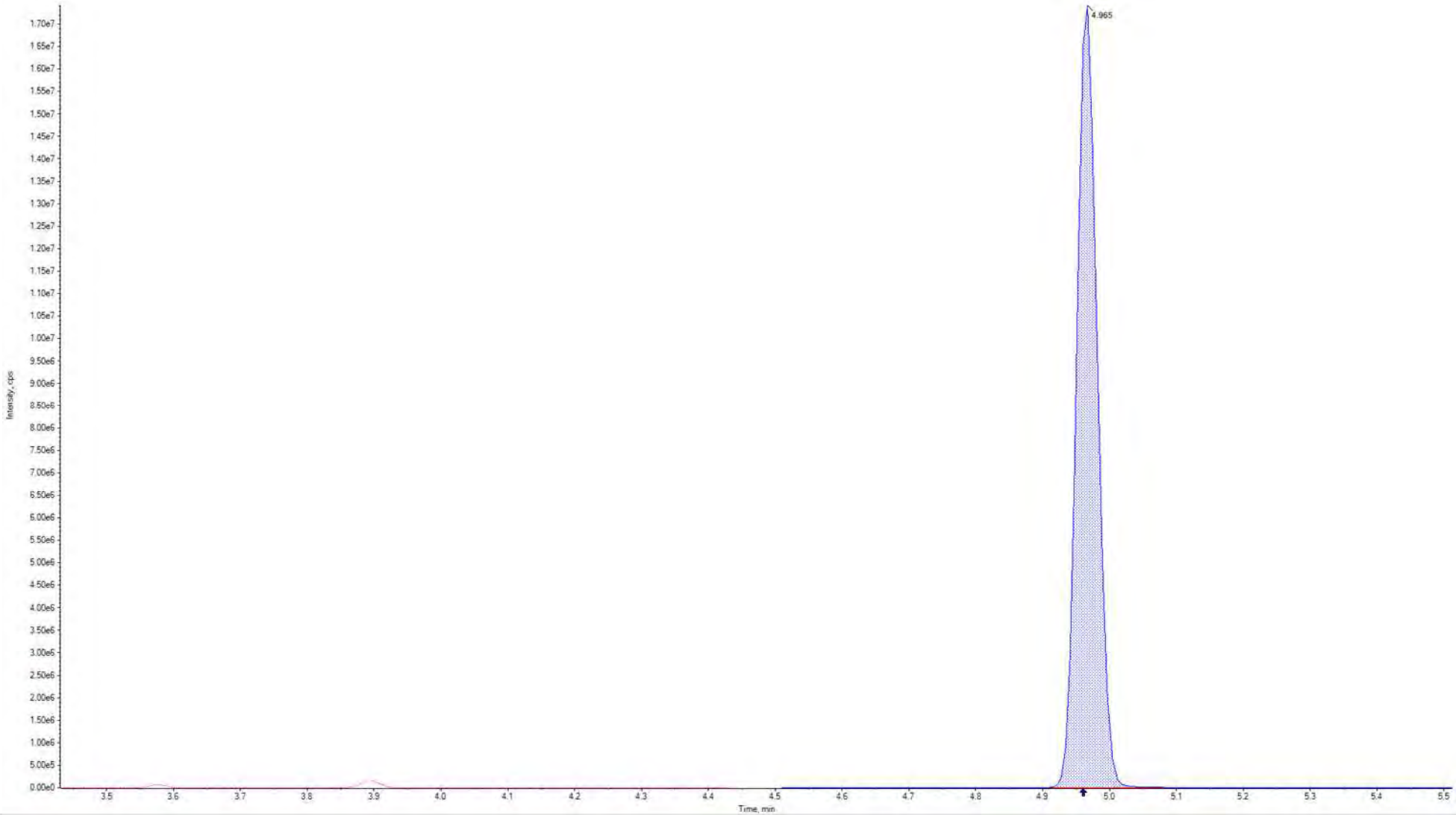
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_23.wiff2_8
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

9Cl-PF3ONS_2
Sample: IA1633STD-50 S/N:7084.9 Points Across peak:40



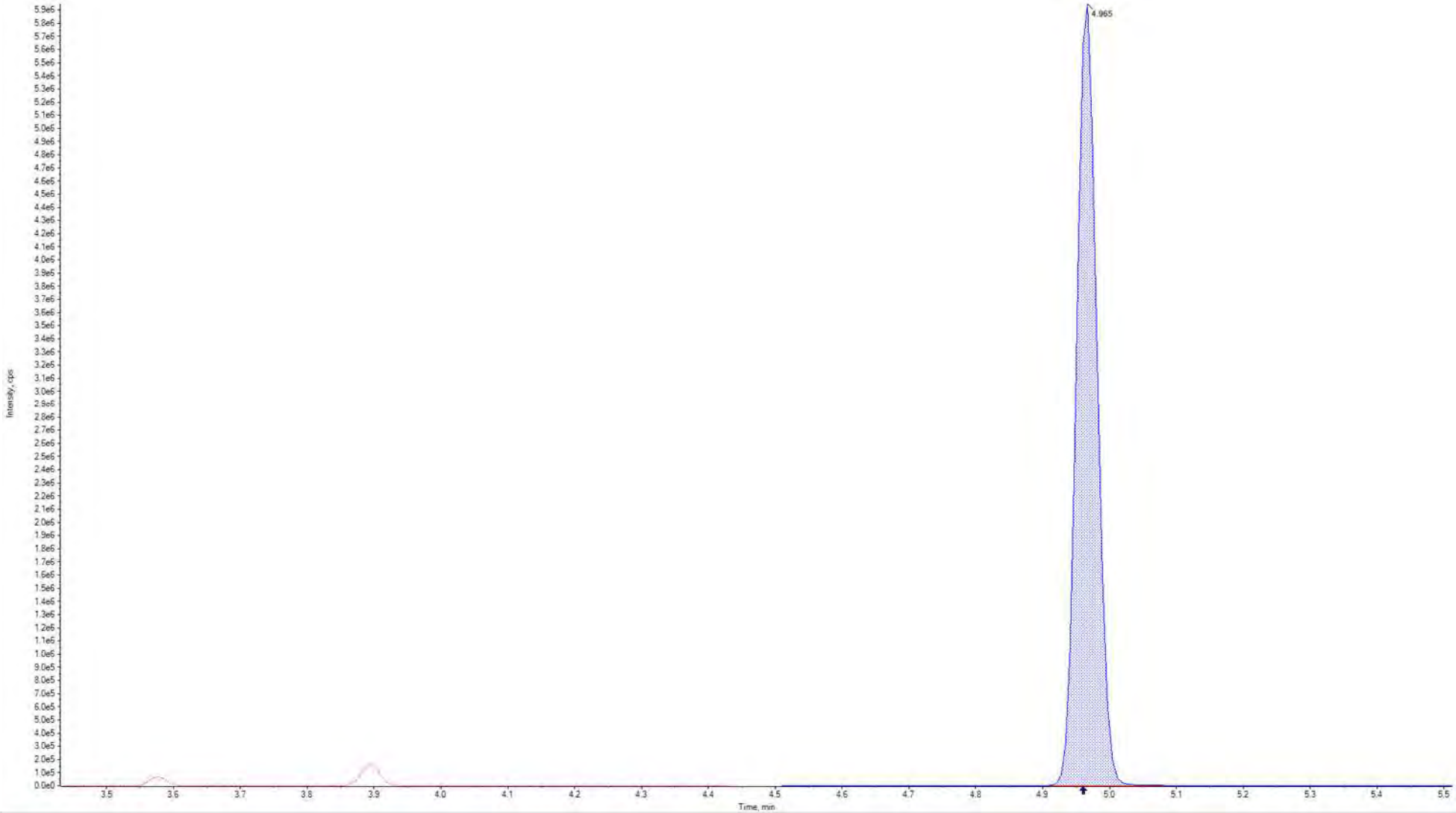
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_23.wiff2_8
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

11Cl-PF3OUdS
Sample: IA1633STD-50 S/N:7127.2 Points Across peak:40



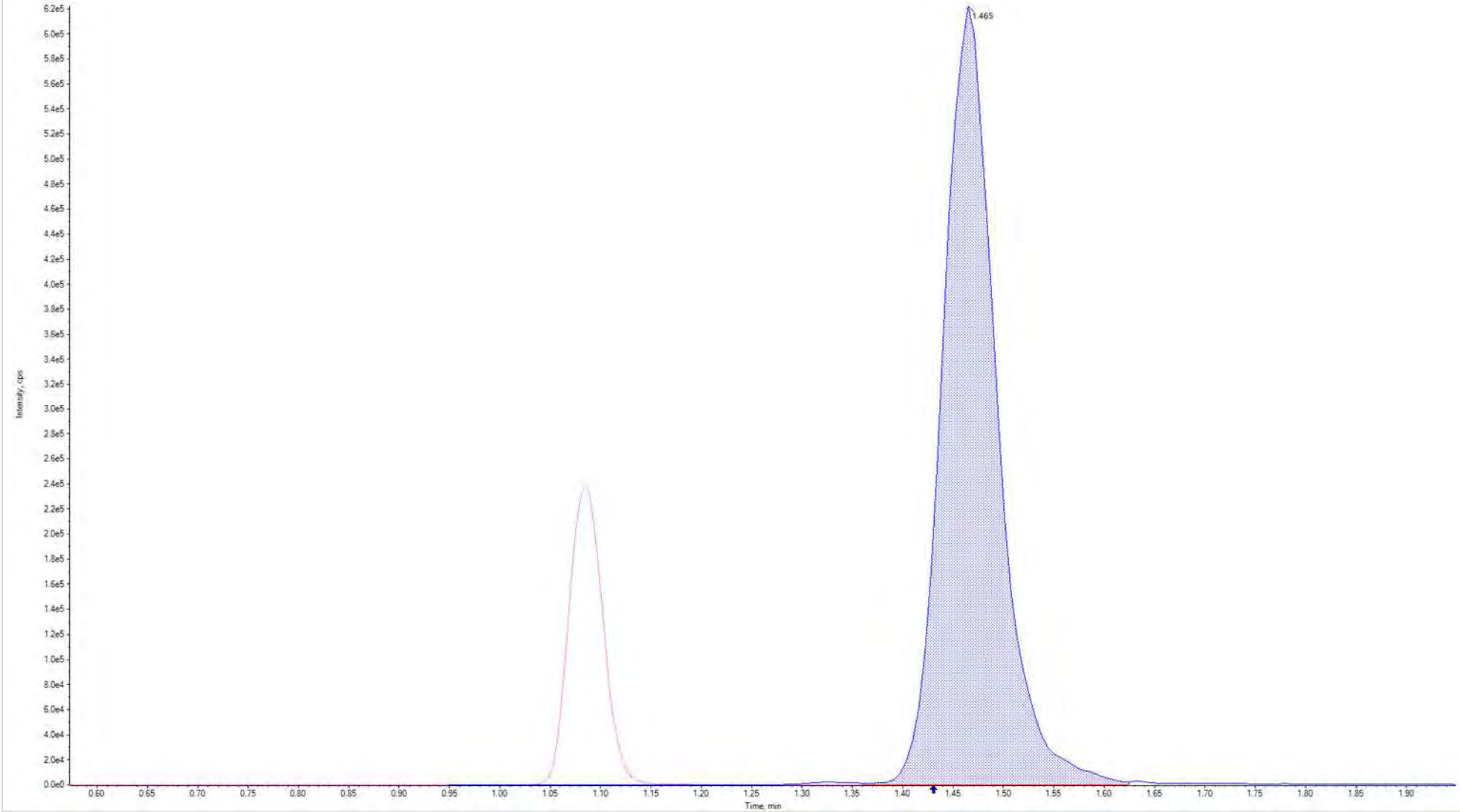
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_23.wiff2_8
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

11Cl-PF3OUdS_2
Sample: IA1633STD-50 S/N:283204.3 Points Across peak:47



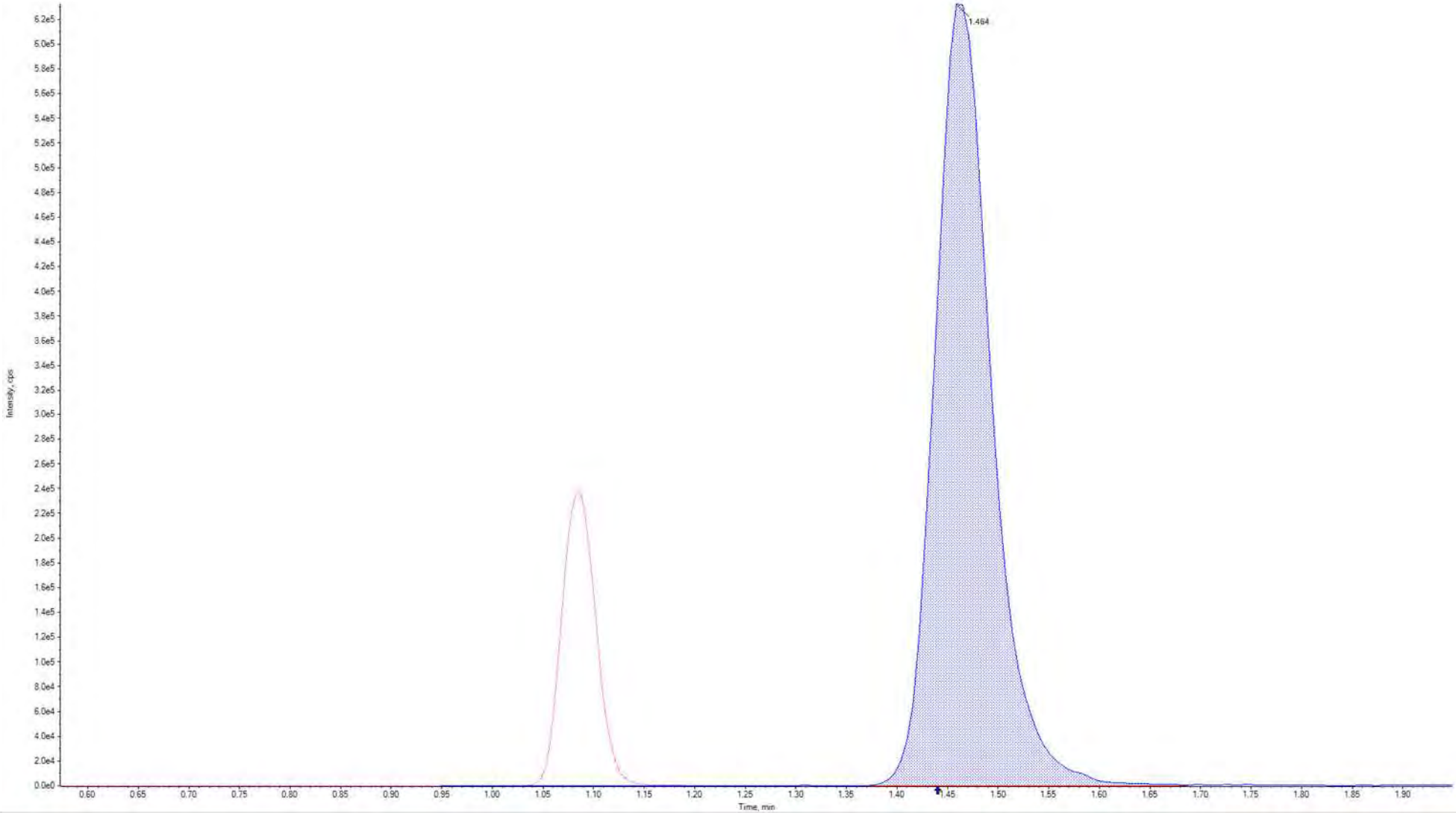
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_23.wiff2_8
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

3:3FTCA
Sample: IA1633STD-50 S/N:2890.0 Points Across peak:45



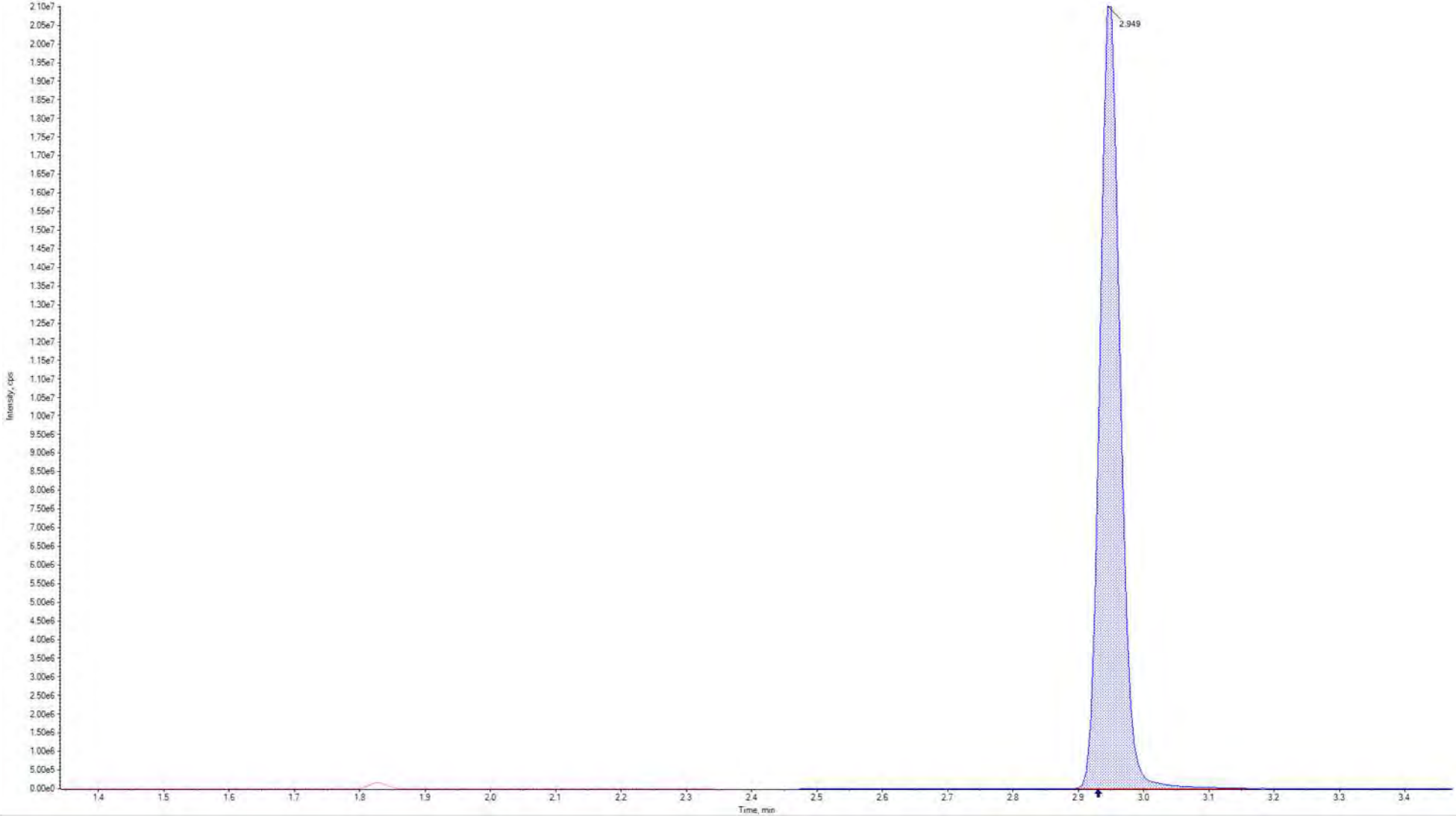
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_23.wiff2_8
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

3:3FTCA_2
Sample: IA1633STD-50 S/N:3689.2 Points Across peak:57



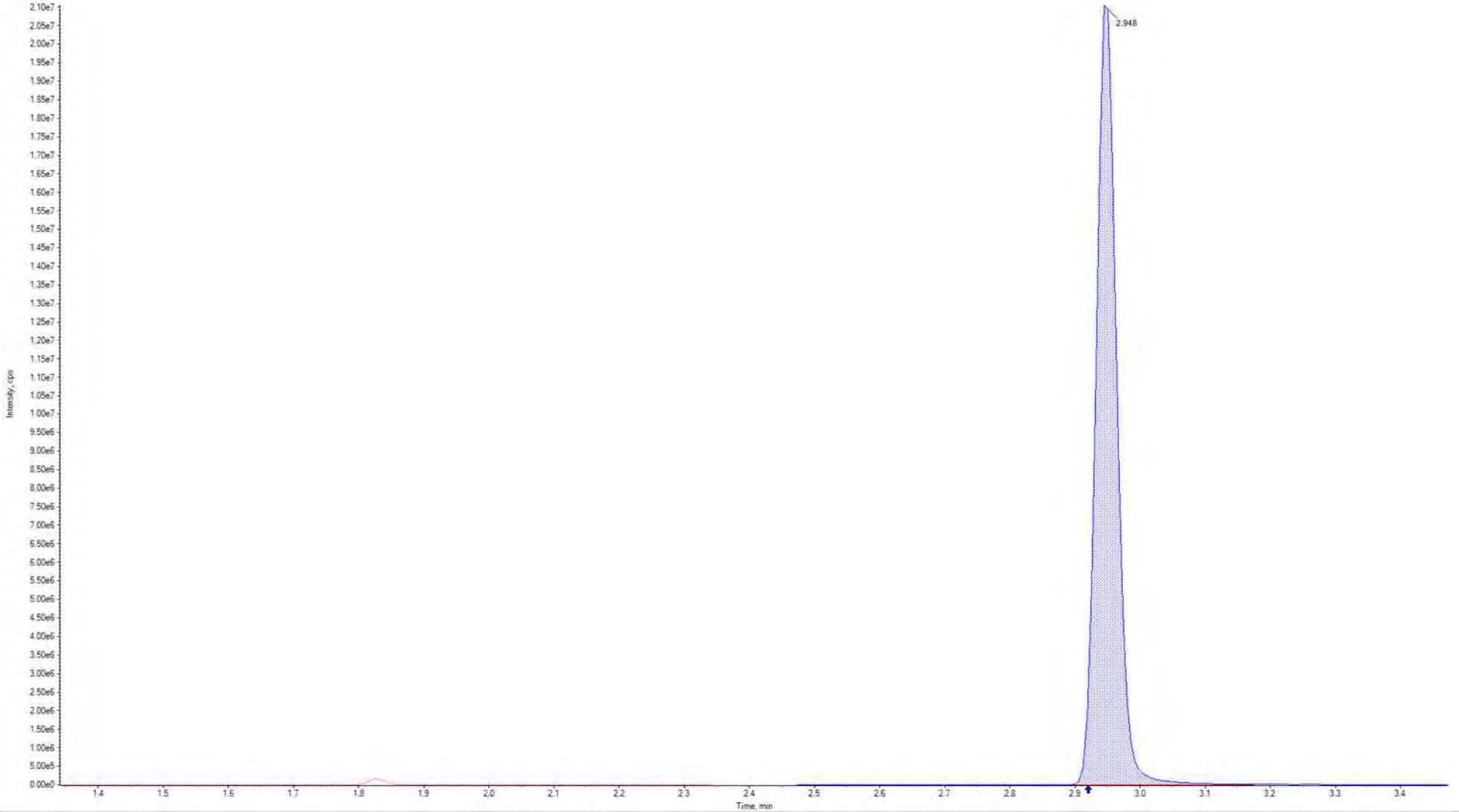
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_23.wiff2_8
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

5:3FTCA
Sample: IA1633STD-50 S/N:37711.9 Points Across peak:52



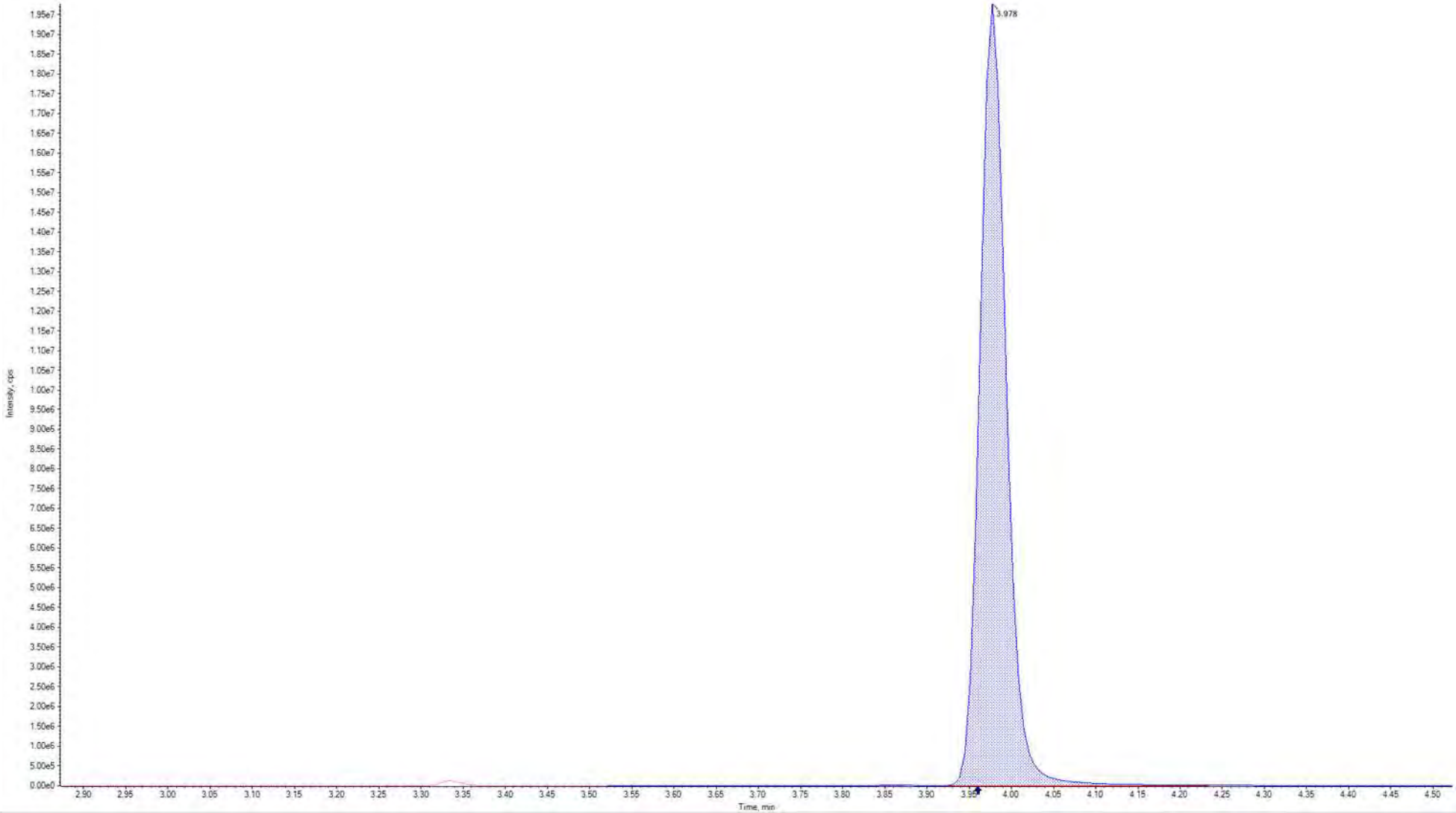
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_23.wiff2_8
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

5:3FTCA_2
Sample: IA1633STD-50 S/N:39038.2 Points Across peak:51



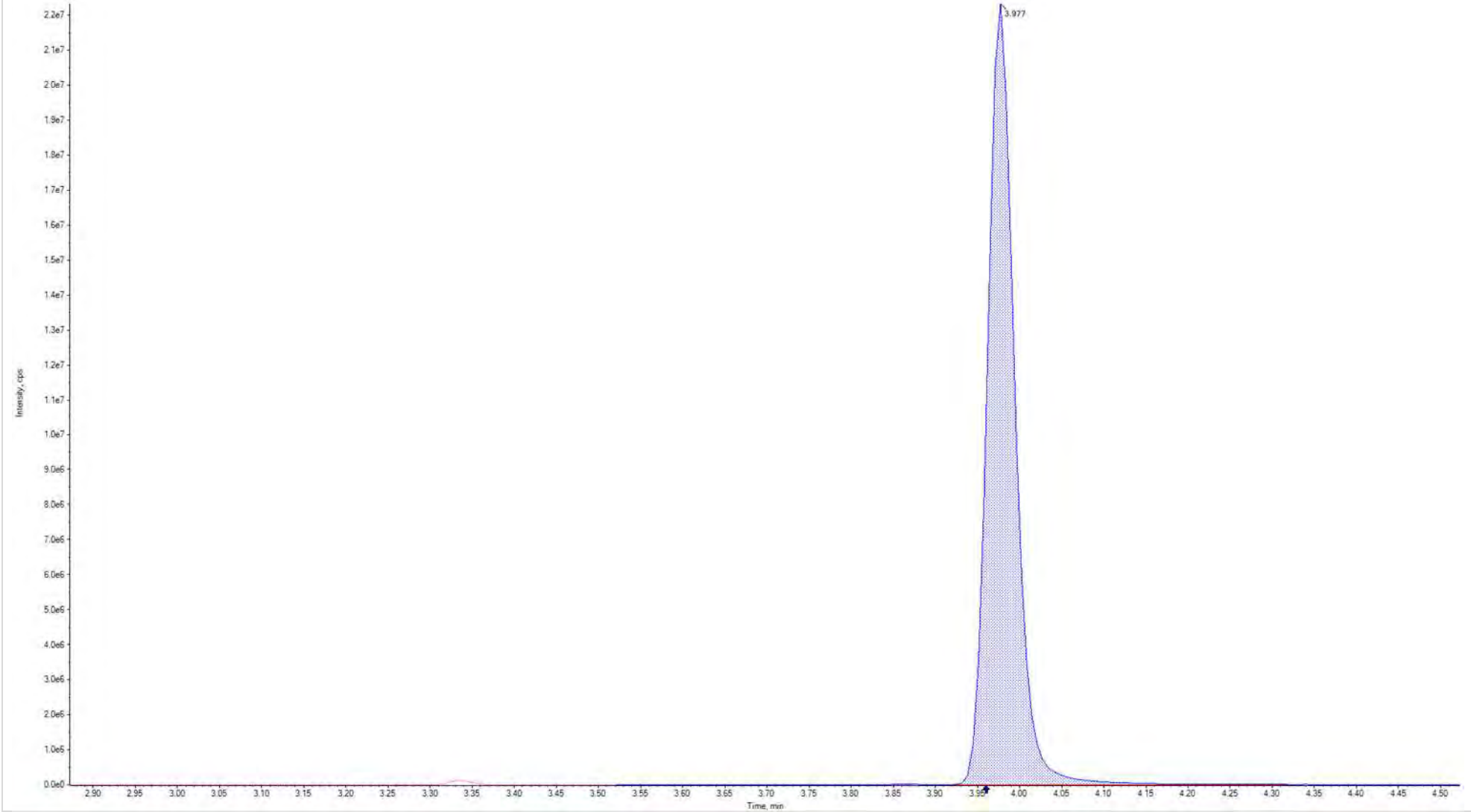
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_23.wiff2_8
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

7:3FTCA
Sample: IA1633STD-50 S/N:36608.9 Points Across peak:52



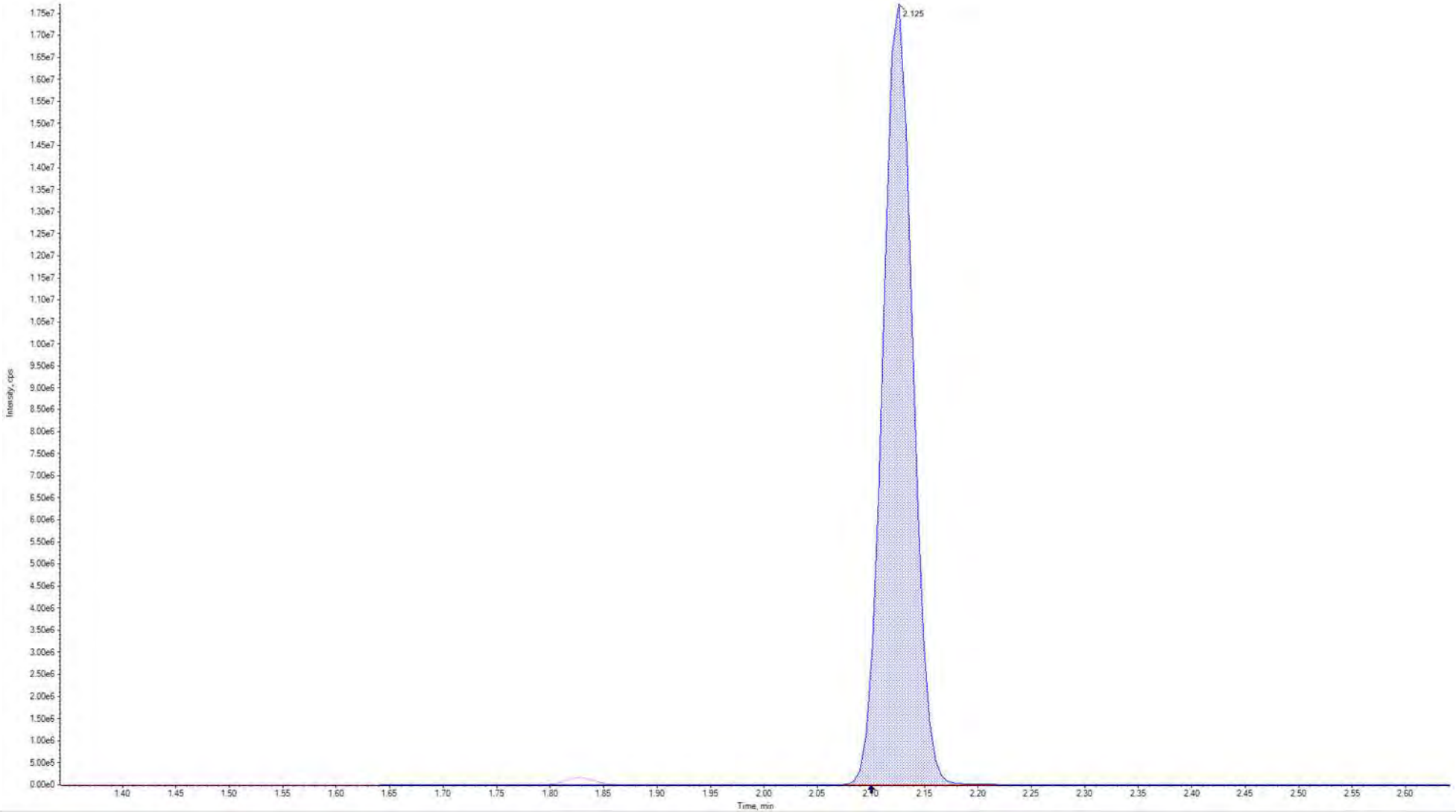
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_23.wiff2_8
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

7:3FTCA_2
Sample: IA1633STD-50 S/N:29152.3 Points Across peak:68



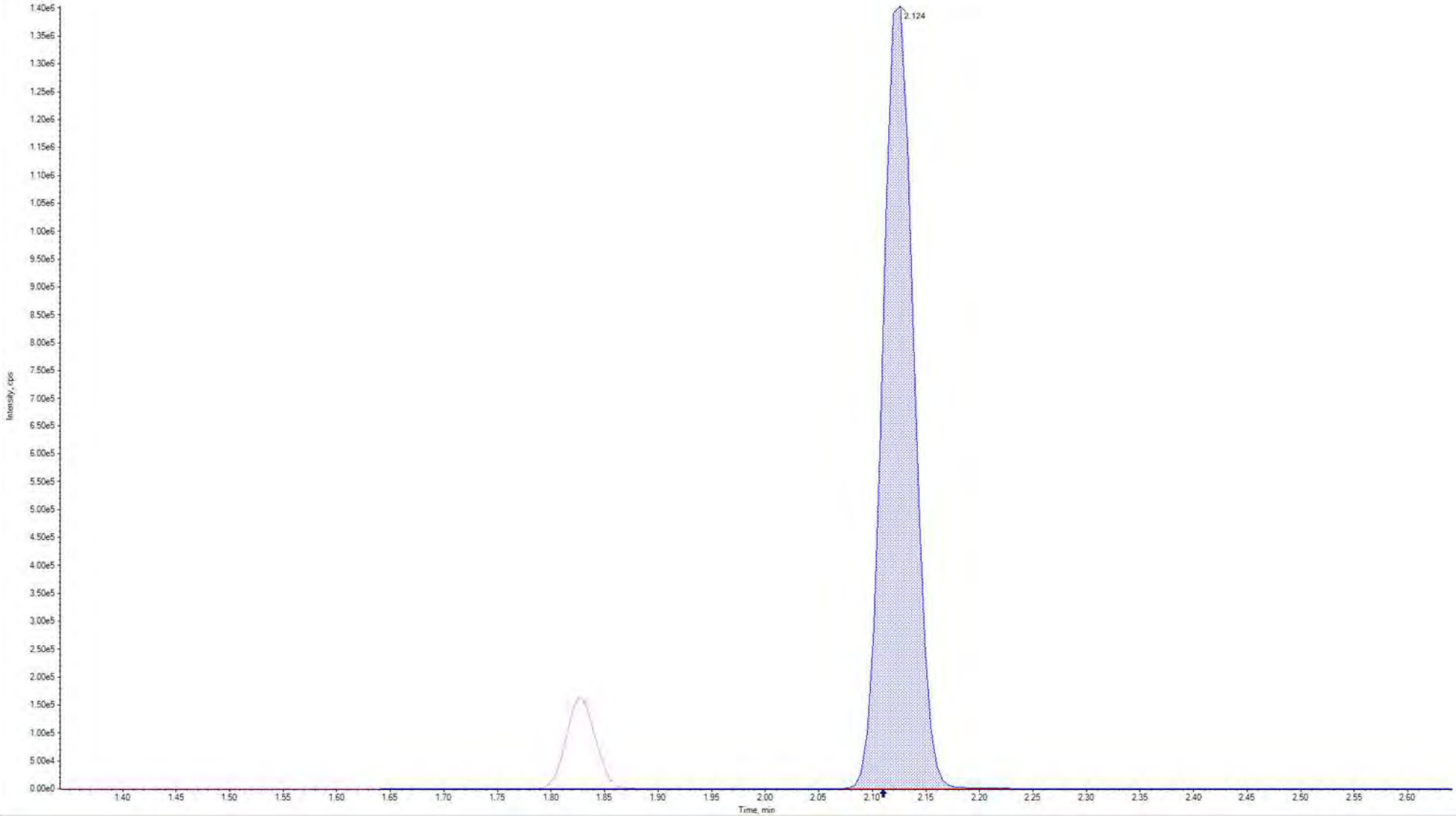
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_23.wiff2_8
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFEESA
Sample: IA1633STD-50 S/N:279011.0 Points Across peak:48



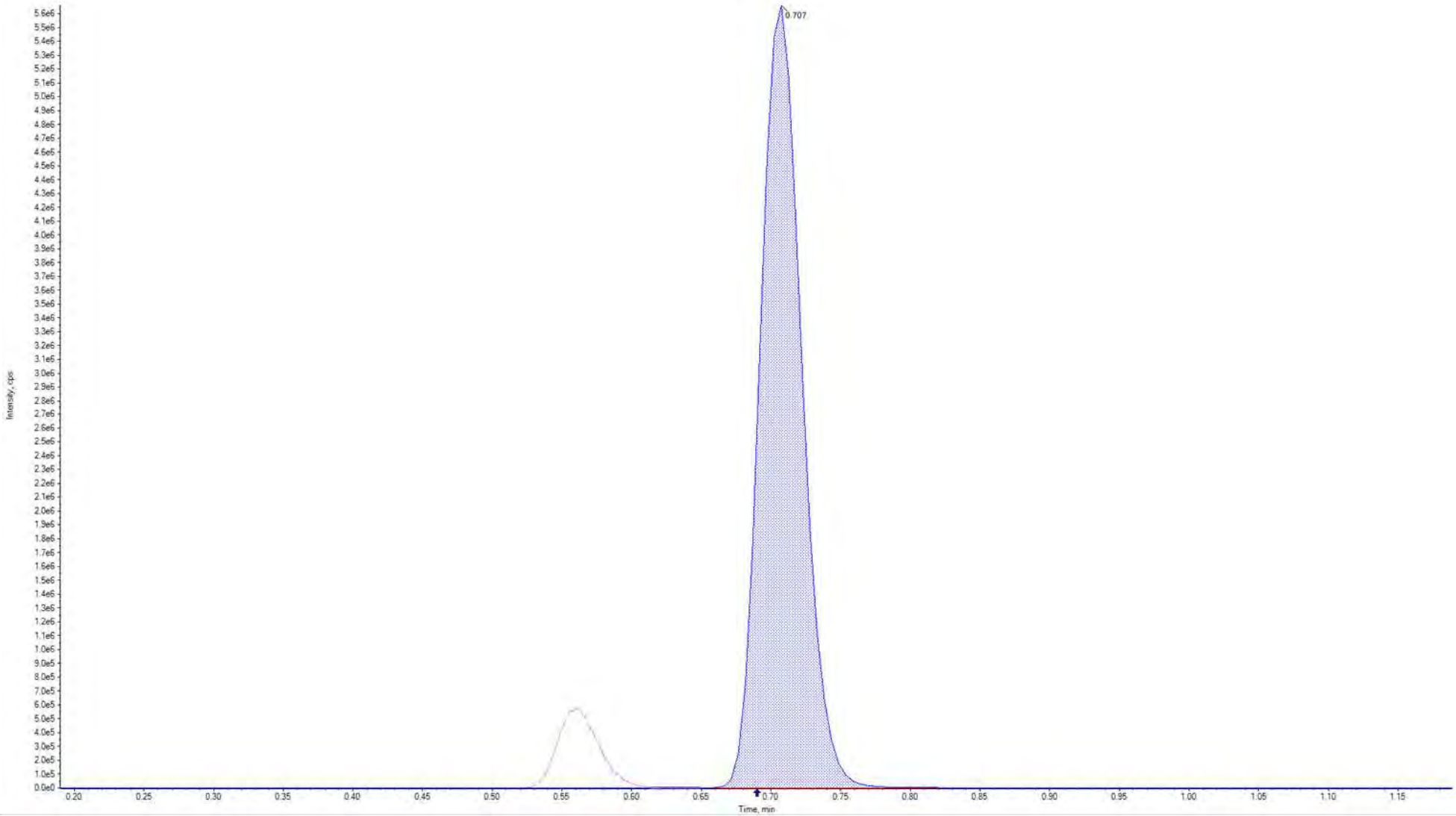
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_23.wiff2_8
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFEESA_2
Sample: IA1633STD-50 S/N:27928.7 Points Across peak:32



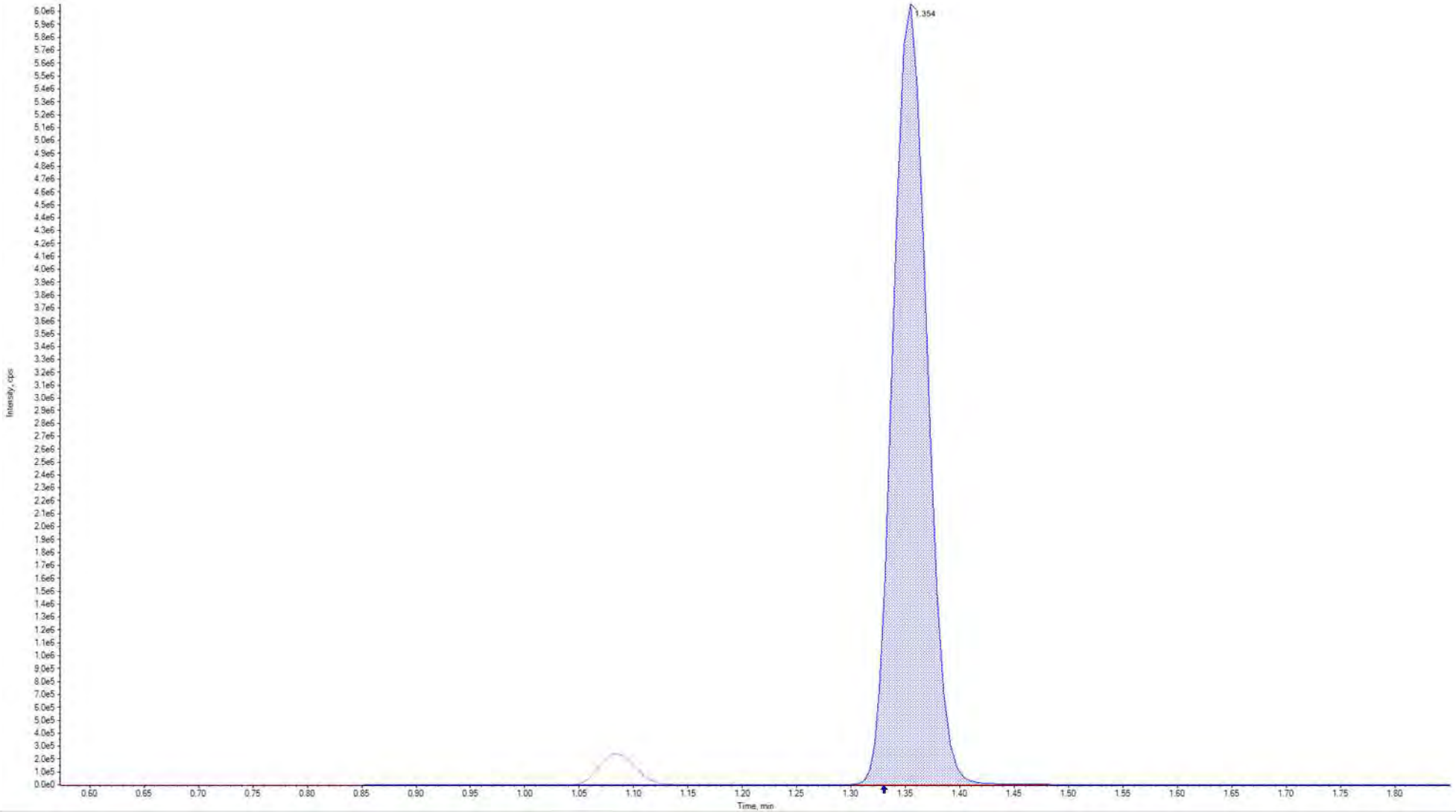
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_23.wiff2_8
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFMPA
Sample: IA1633STD-50 S/N:22908.1 Points Across peak:44



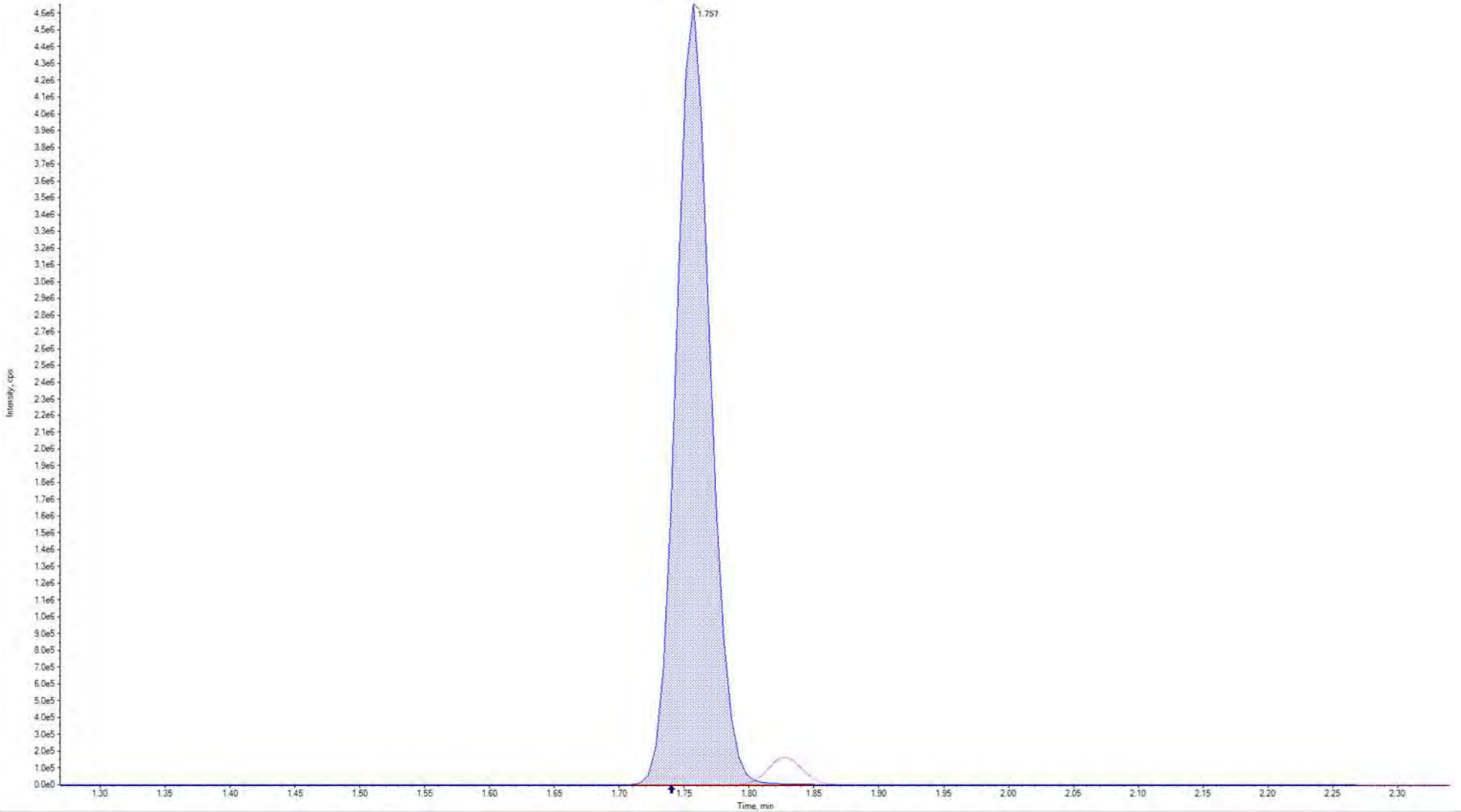
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_23.wiff2_8
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFMBA
Sample: IA1633STD-50 S/N:77478.3 Points Across peak:41



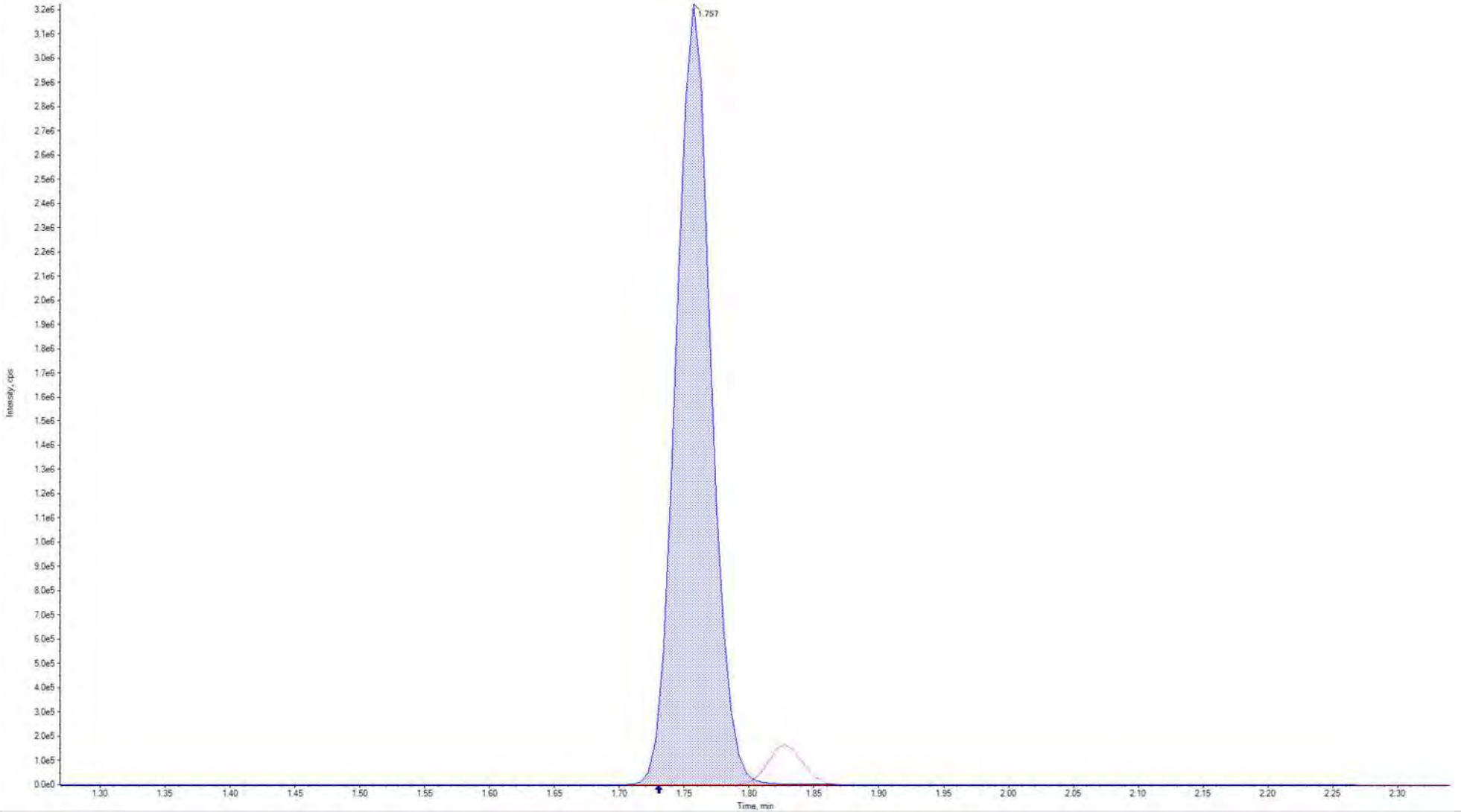
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_23.wiff2_8
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NFDHA
Sample: IA1633STD-50 S/N:8481.0 Points Across peak:38



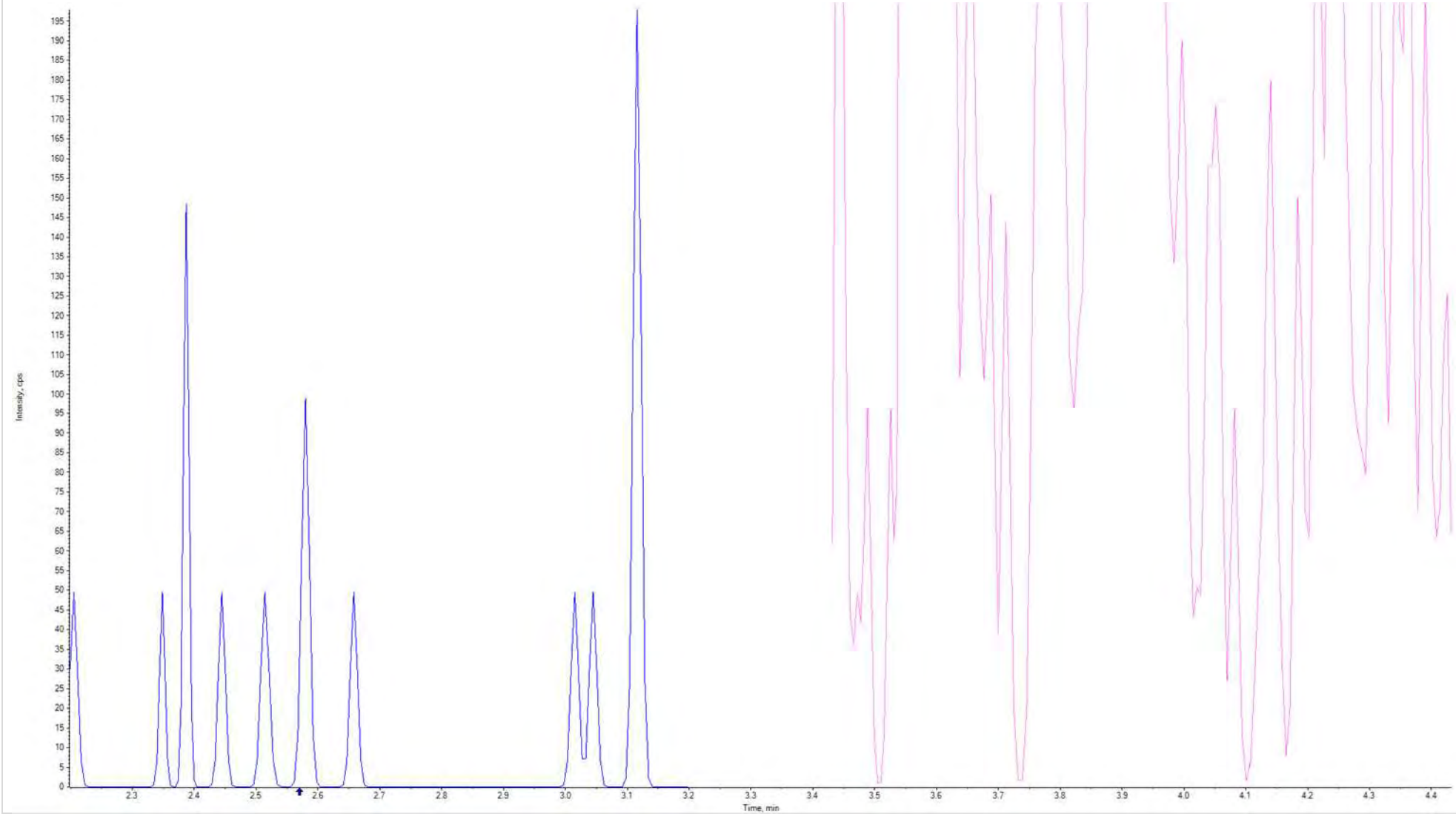
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_23.wiff2_8
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NFDHA_2
Sample: IA1633STD-50 S/N:77138.8 Points Across peak:34



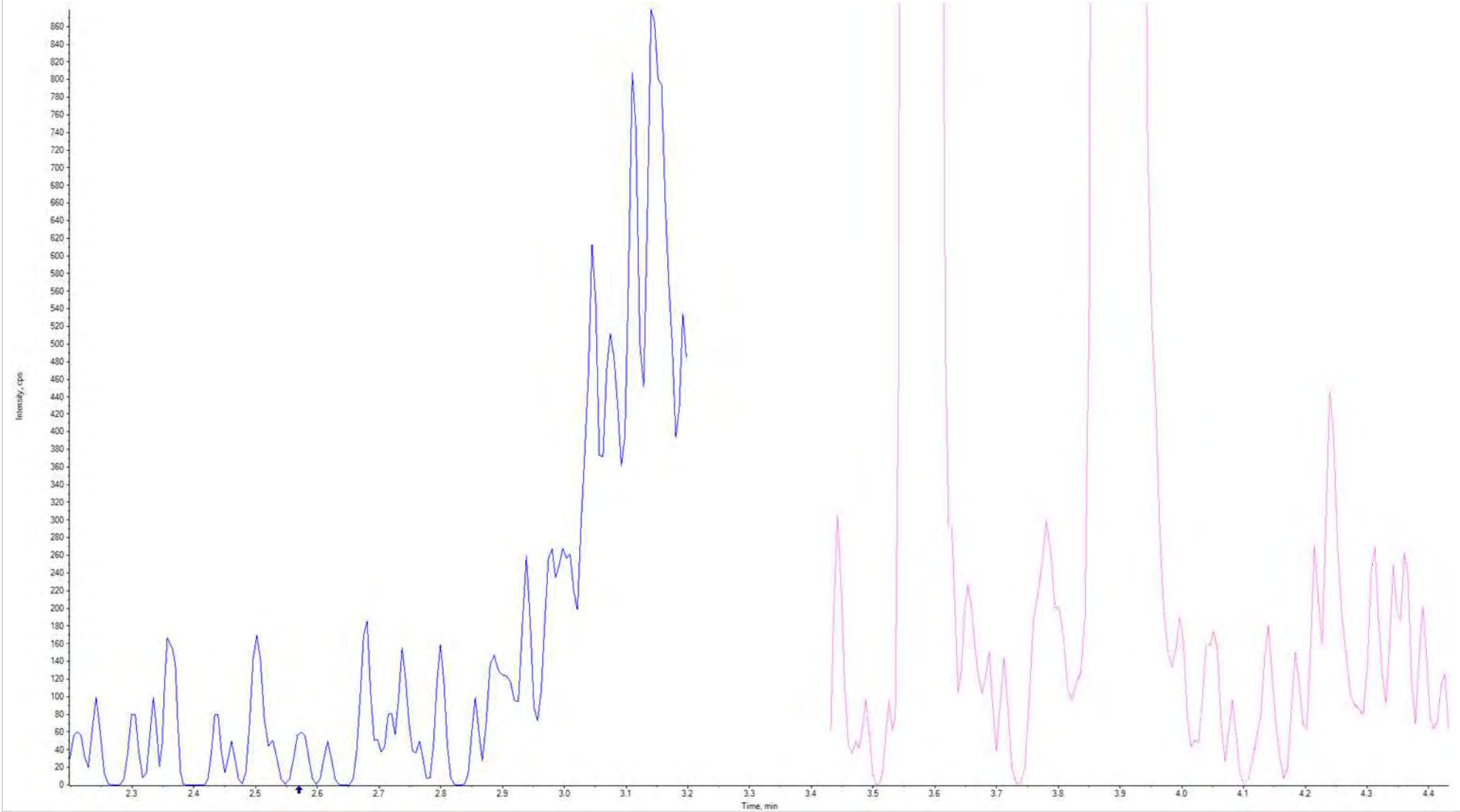
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_23.wiff2_8
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

TDCA
Sample: IA1633STD-50 S/N:N/A Points Across peak:N/A



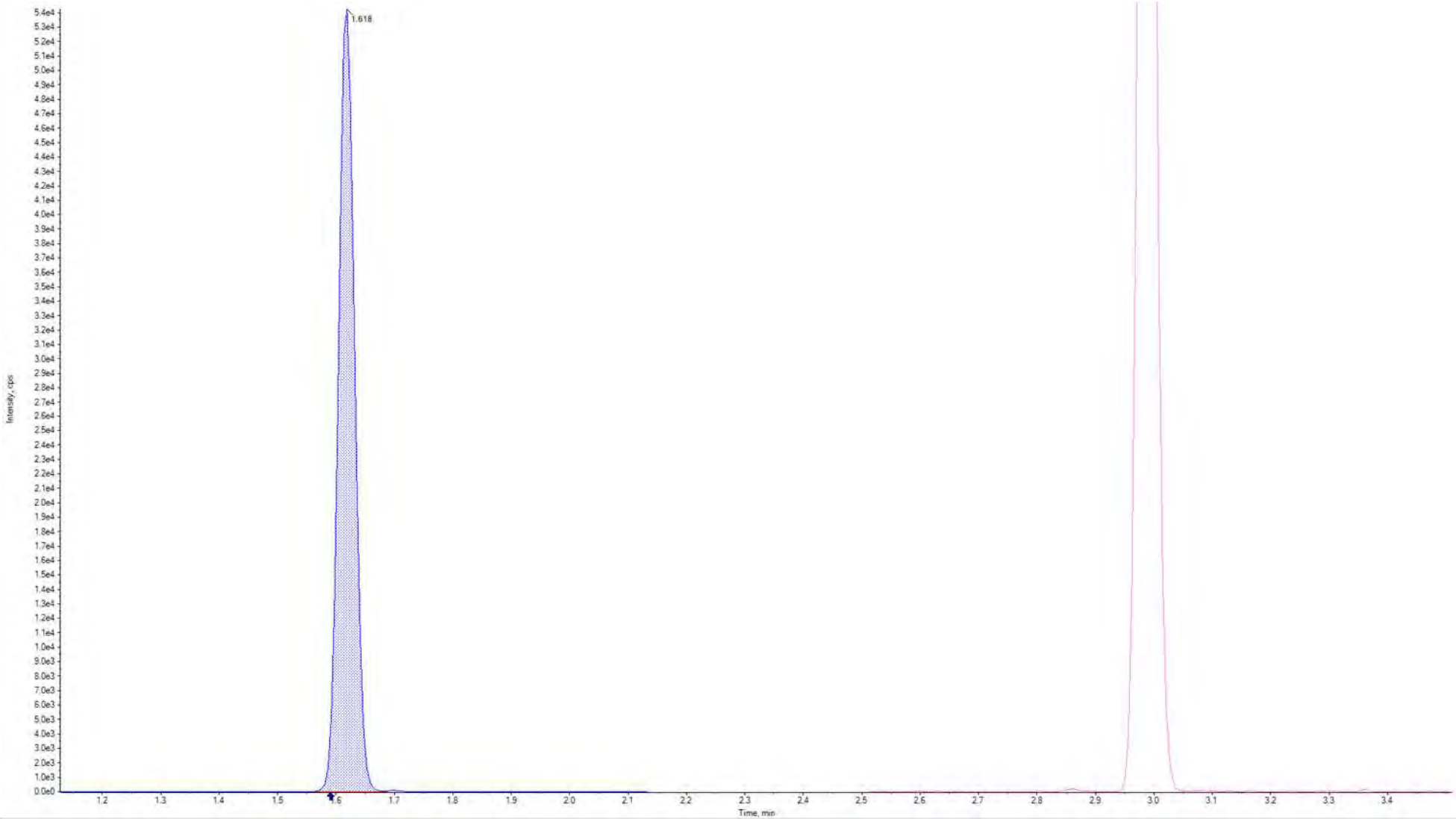
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_23.wiff2_8
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

TDCA_2
Sample: IA1633STD-50 S/N:N/A Points Across peak:N/A



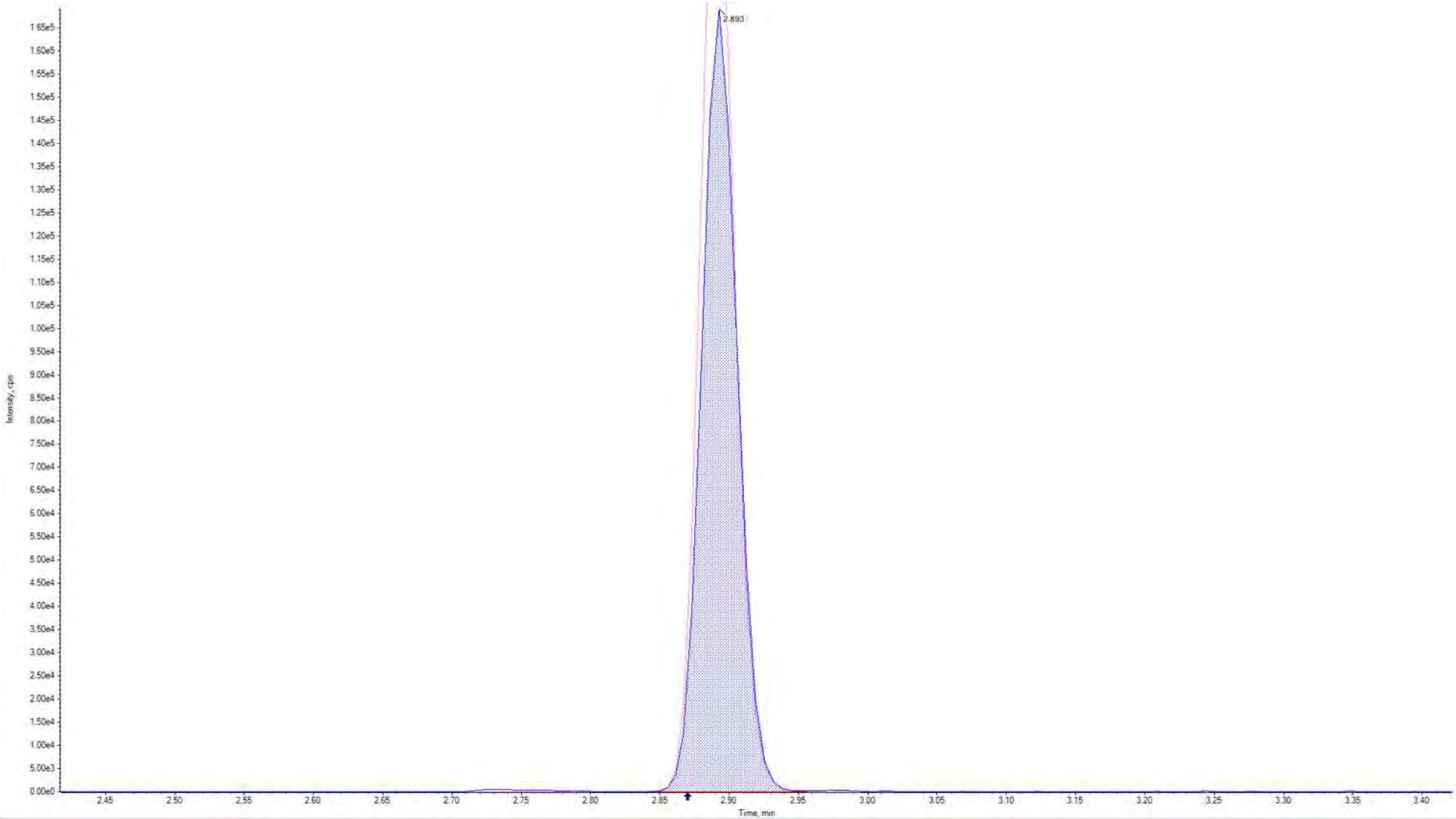
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_23.wiff2_8
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

13C2D4-4:2FTS
Sample: IA1633STD-50 S/N:2039.5 Points Across peak:26

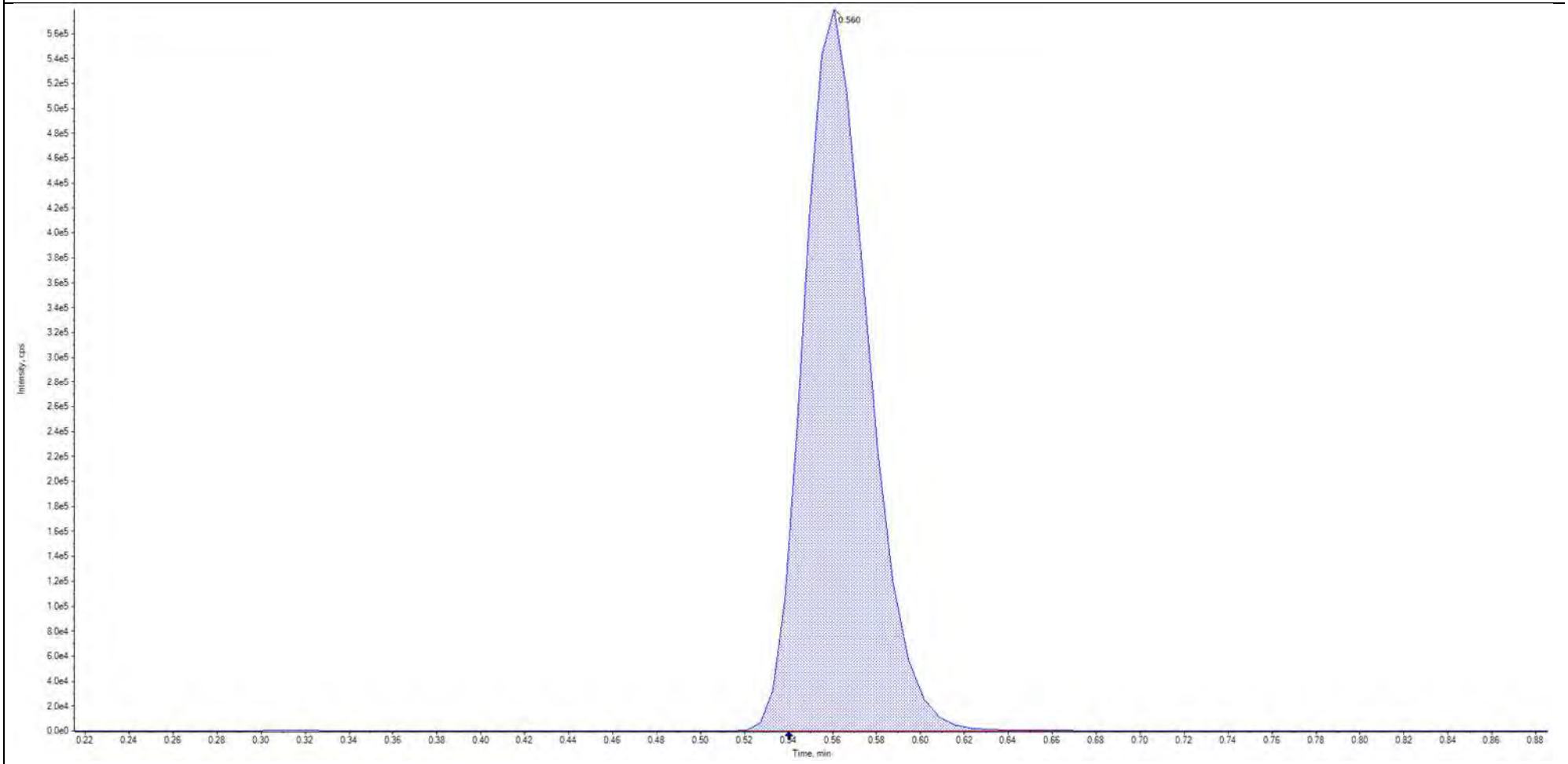


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_23.wiff2_8
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

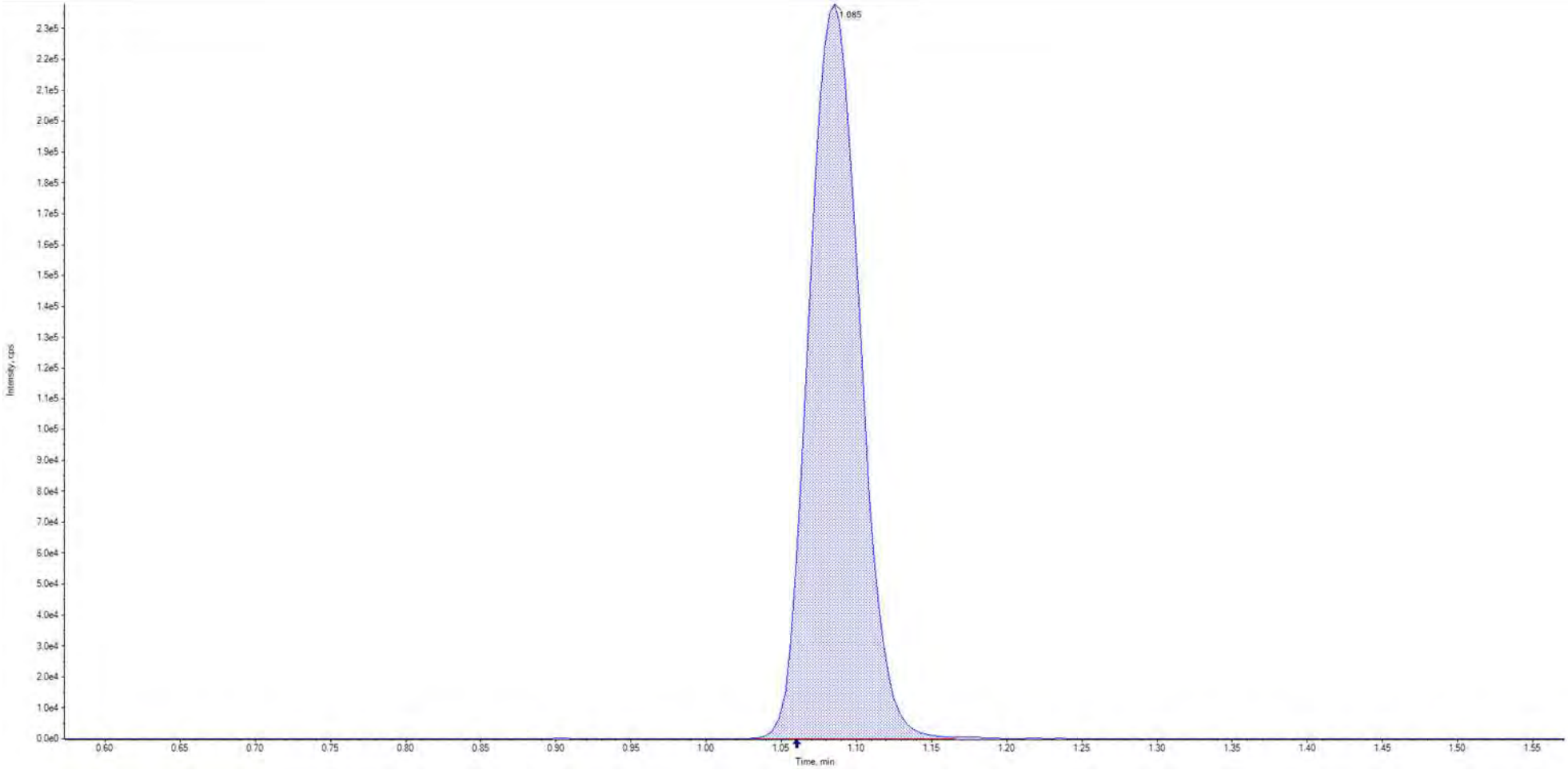
13C2-PFOA
Sample: IA1633STD-50 S/N:3813.7 Points Across peak:22



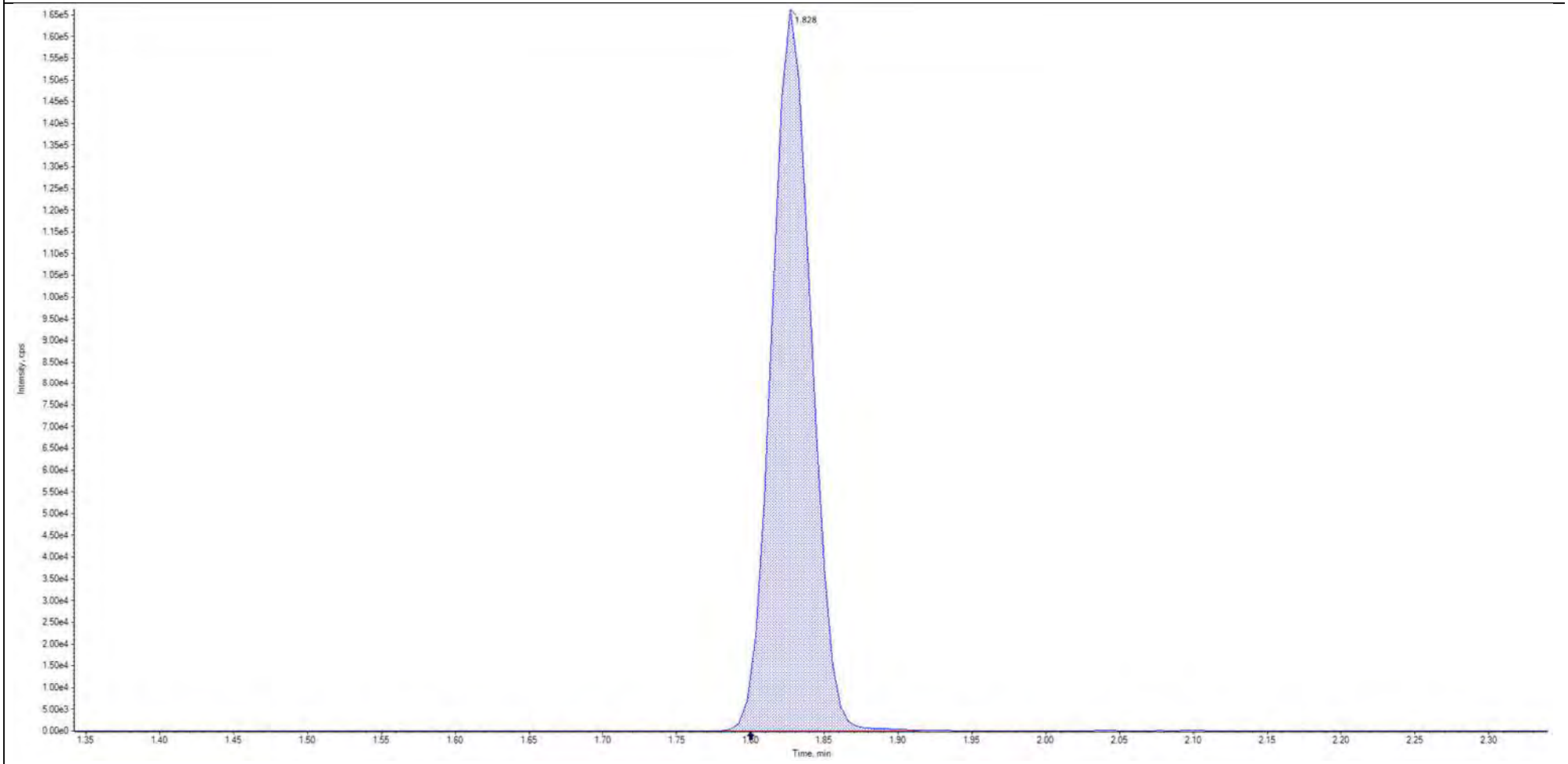
13C4-PFBA
Sample: IA1633STD-50



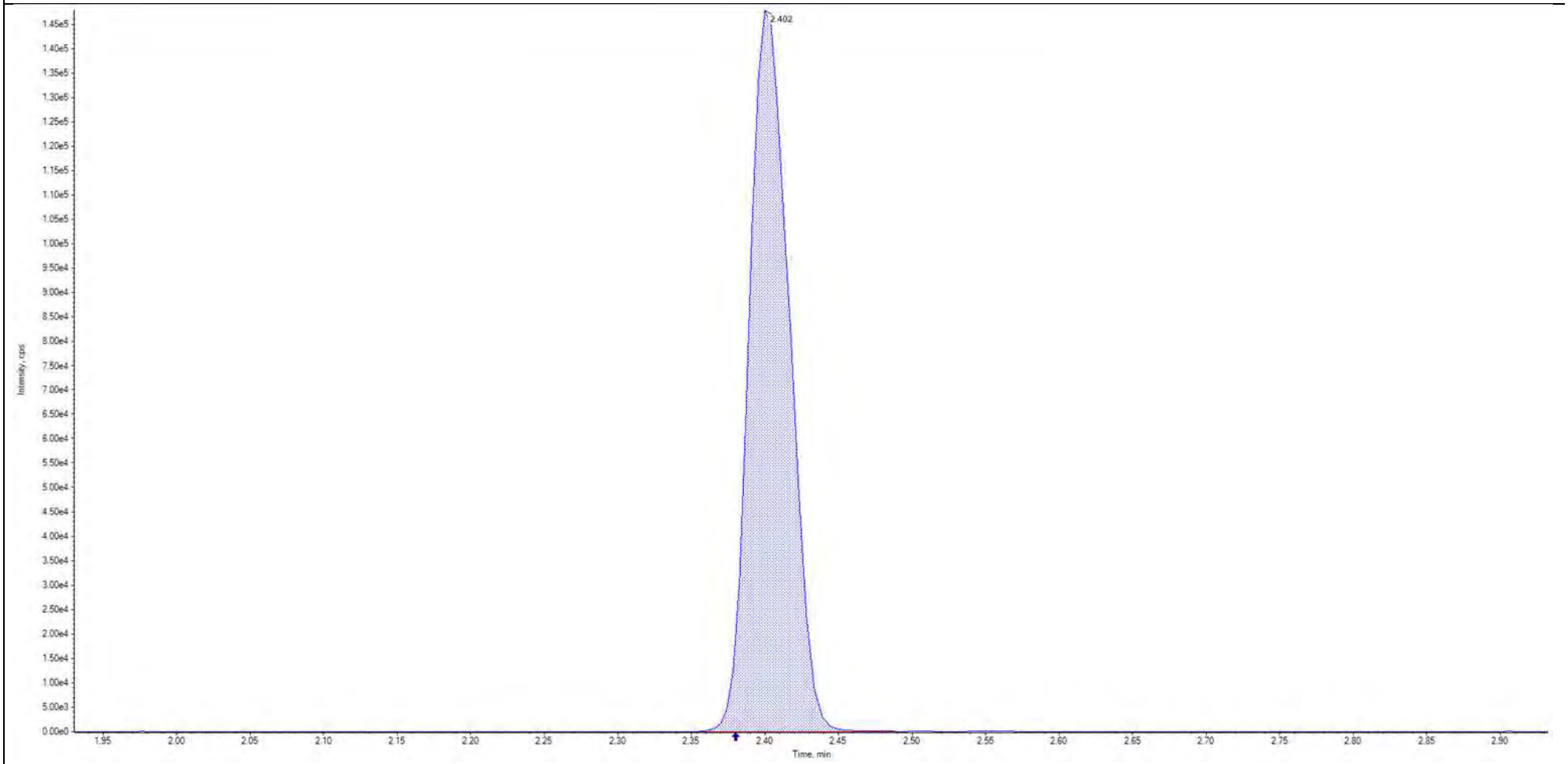
13C5-PFPeA
Sample: IA1633STD-50



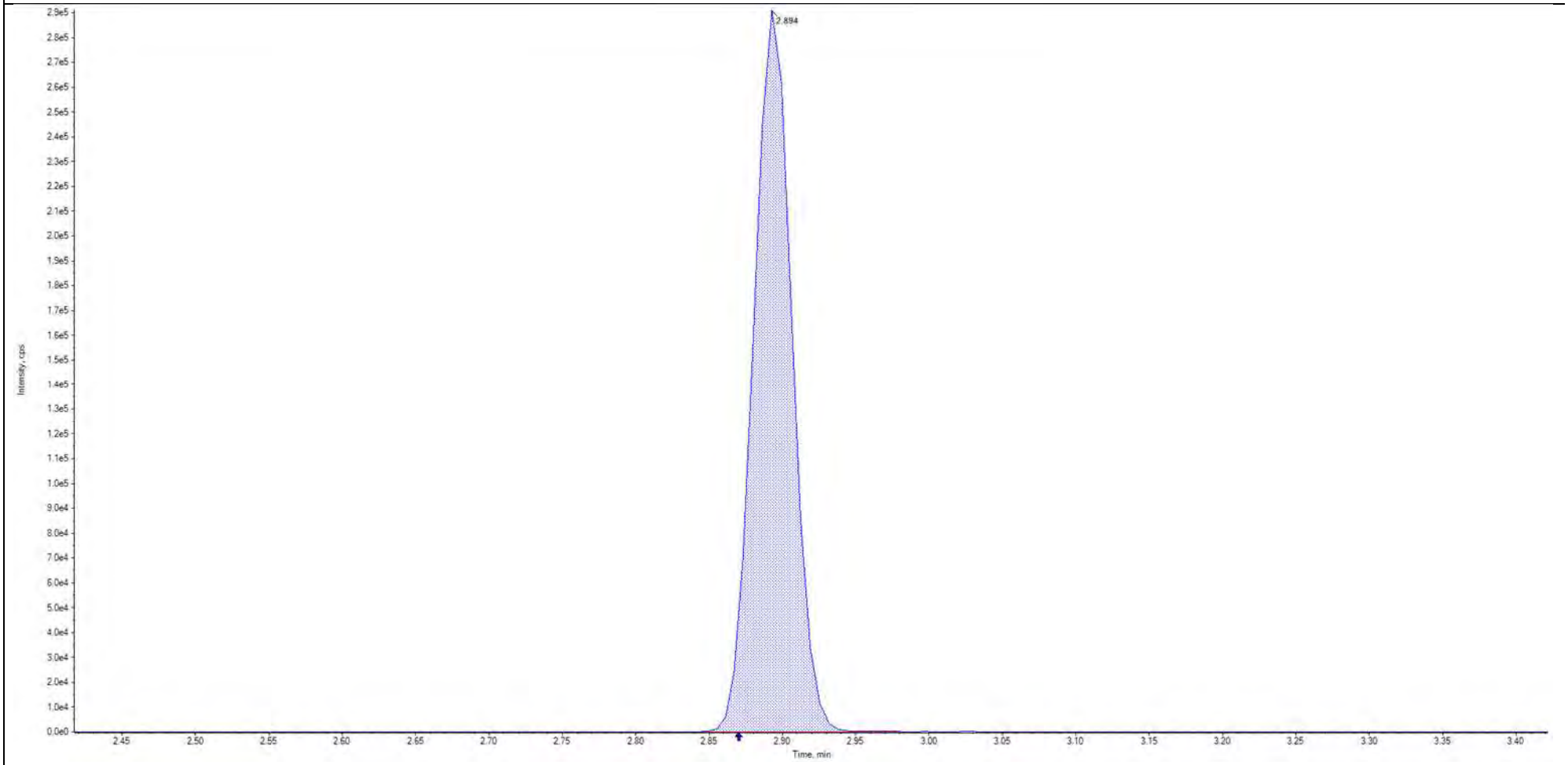
13C5-PFHxA
Sample: IA1633STD-50



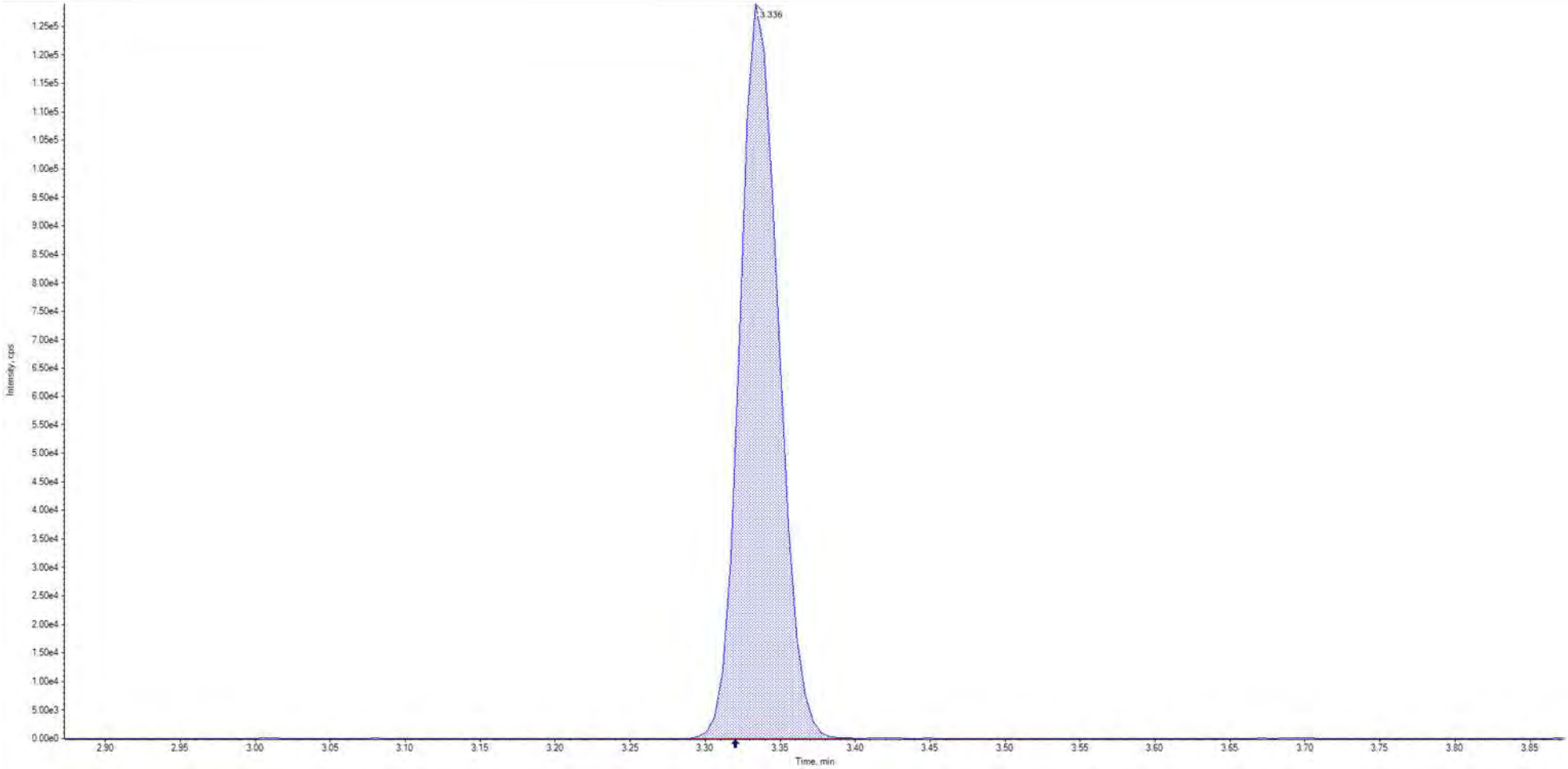
13C4-PFHpA
Sample: IA1633STD-50



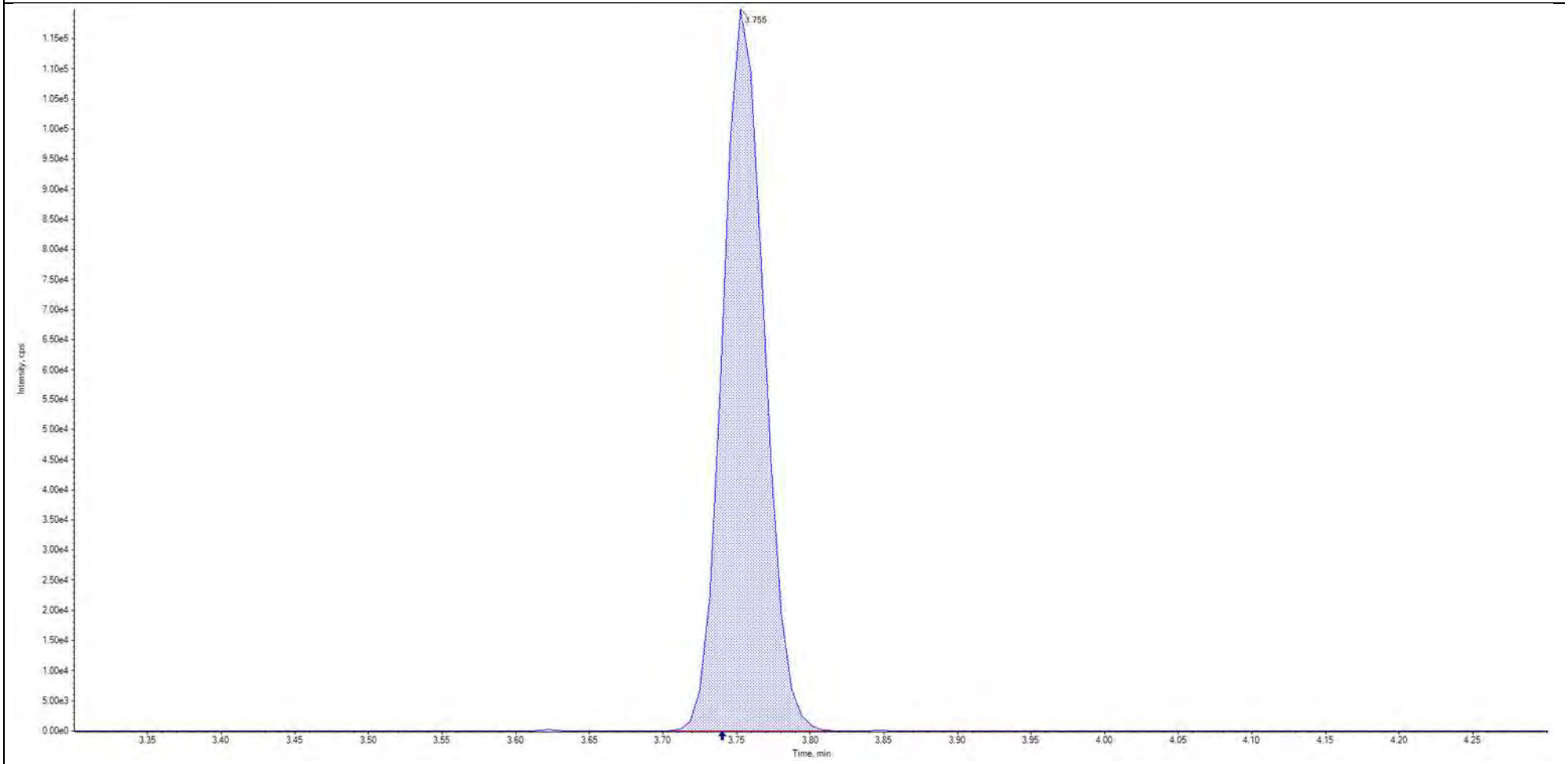
13C8-PFOA
Sample: IA1633STD-50



13C9-PFNA
Sample: IA1633STD-50



13C6-PFDA
Sample: IA1633STD-50



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Alpha Analytical LLC
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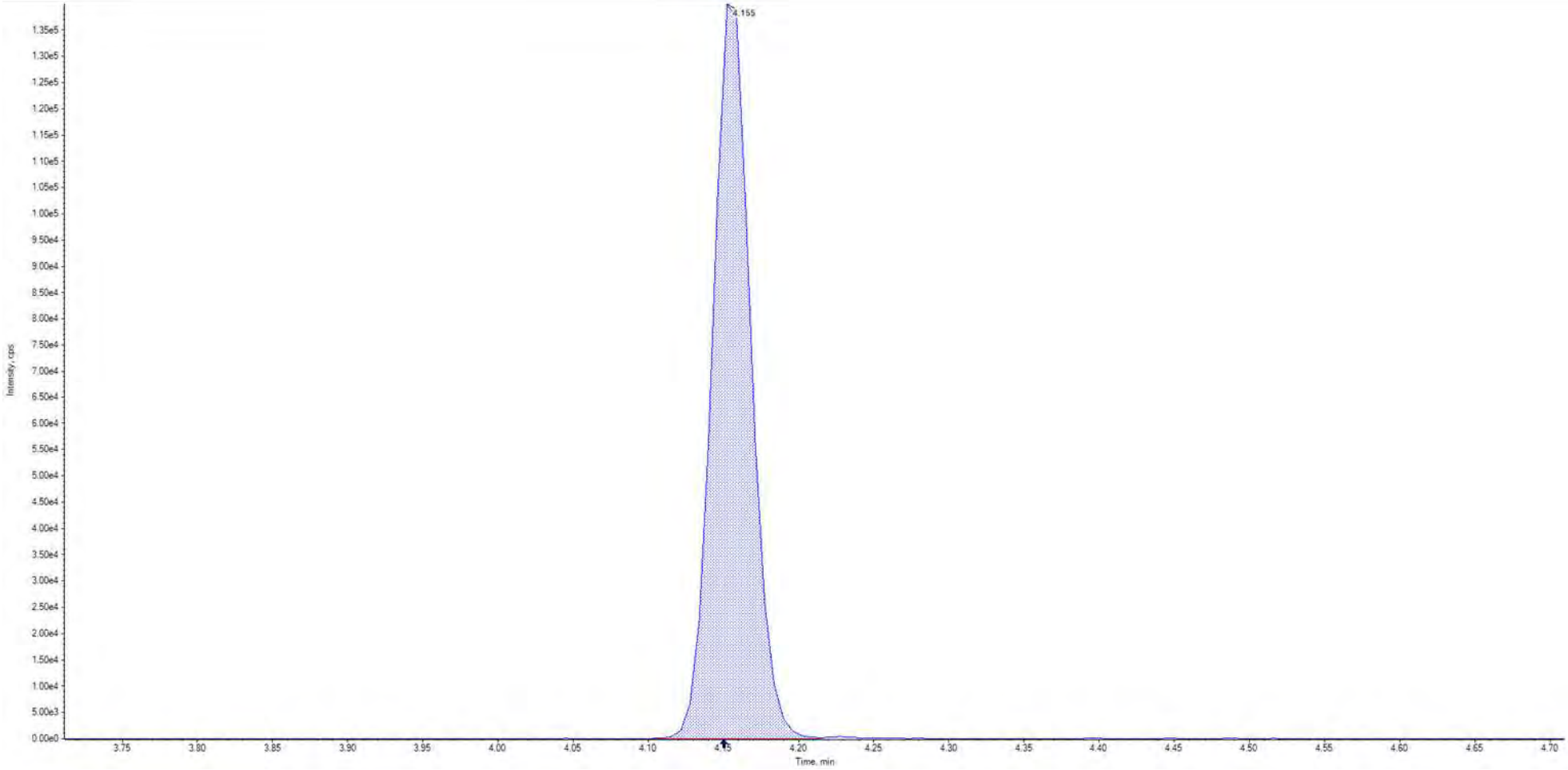
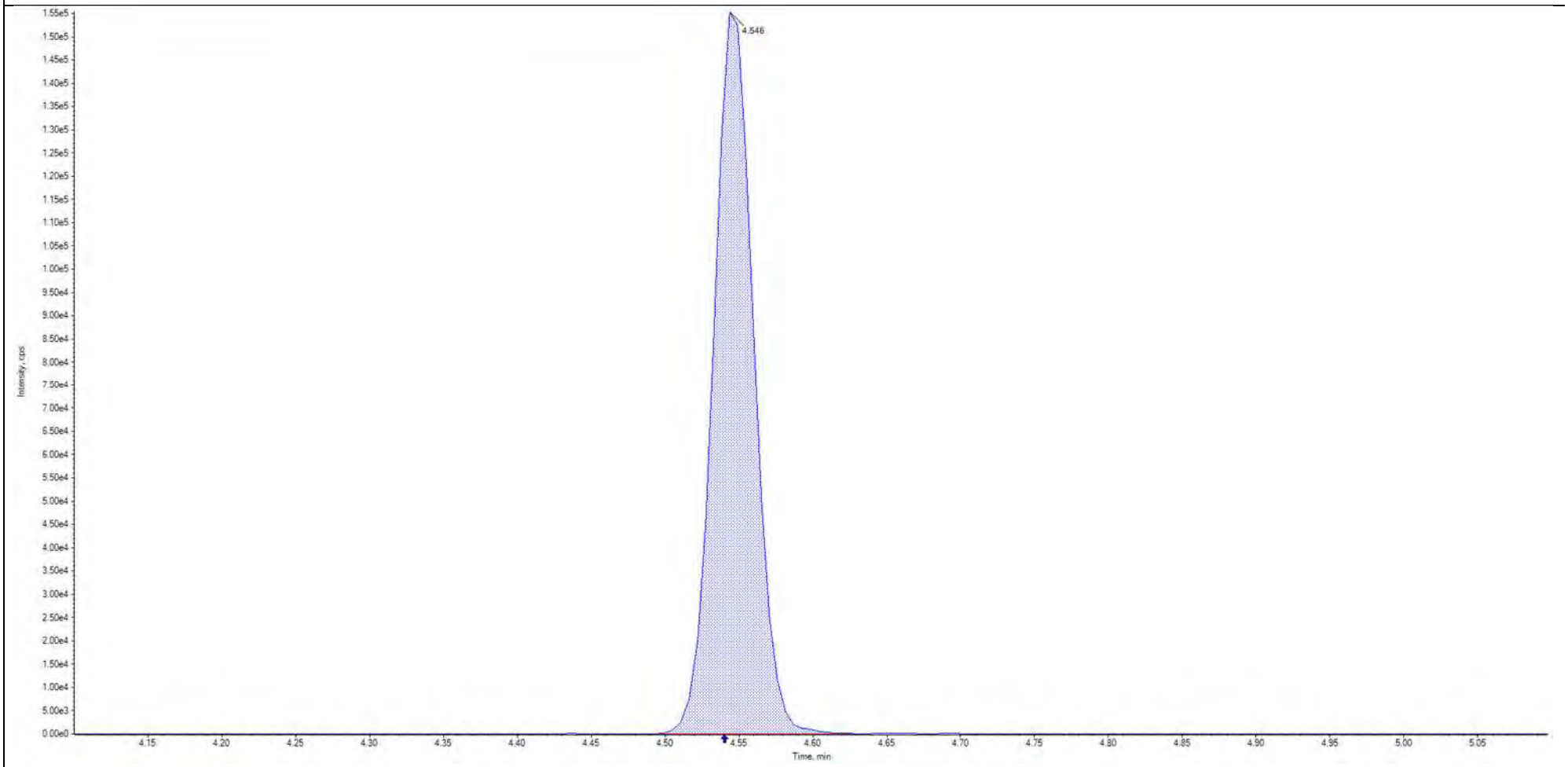
13C7-PFUnA
Sample: IA1633STD-50



13C2-PFDoA
Sample: IA1633STD-50



13C2-PFTeDA
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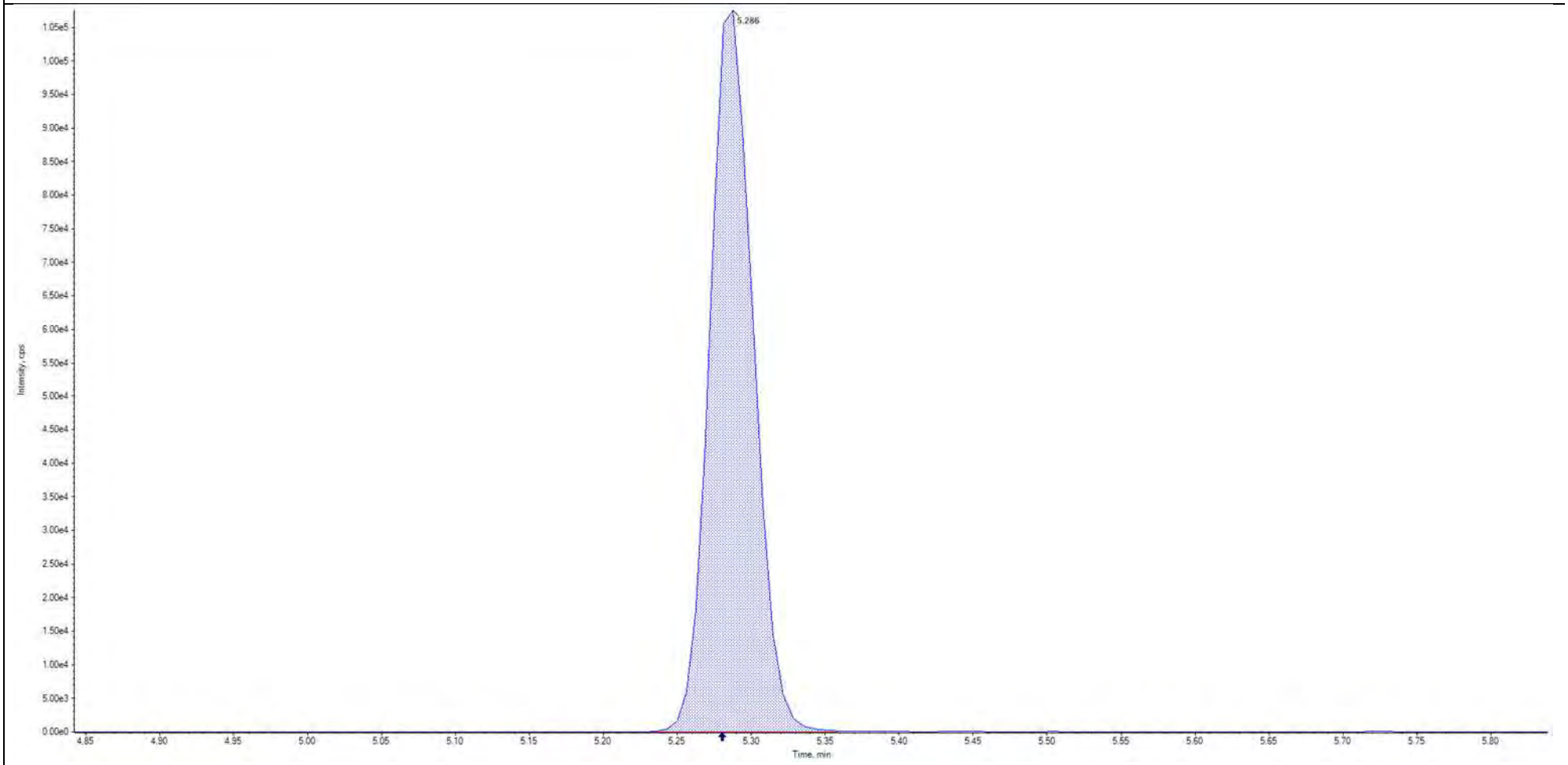
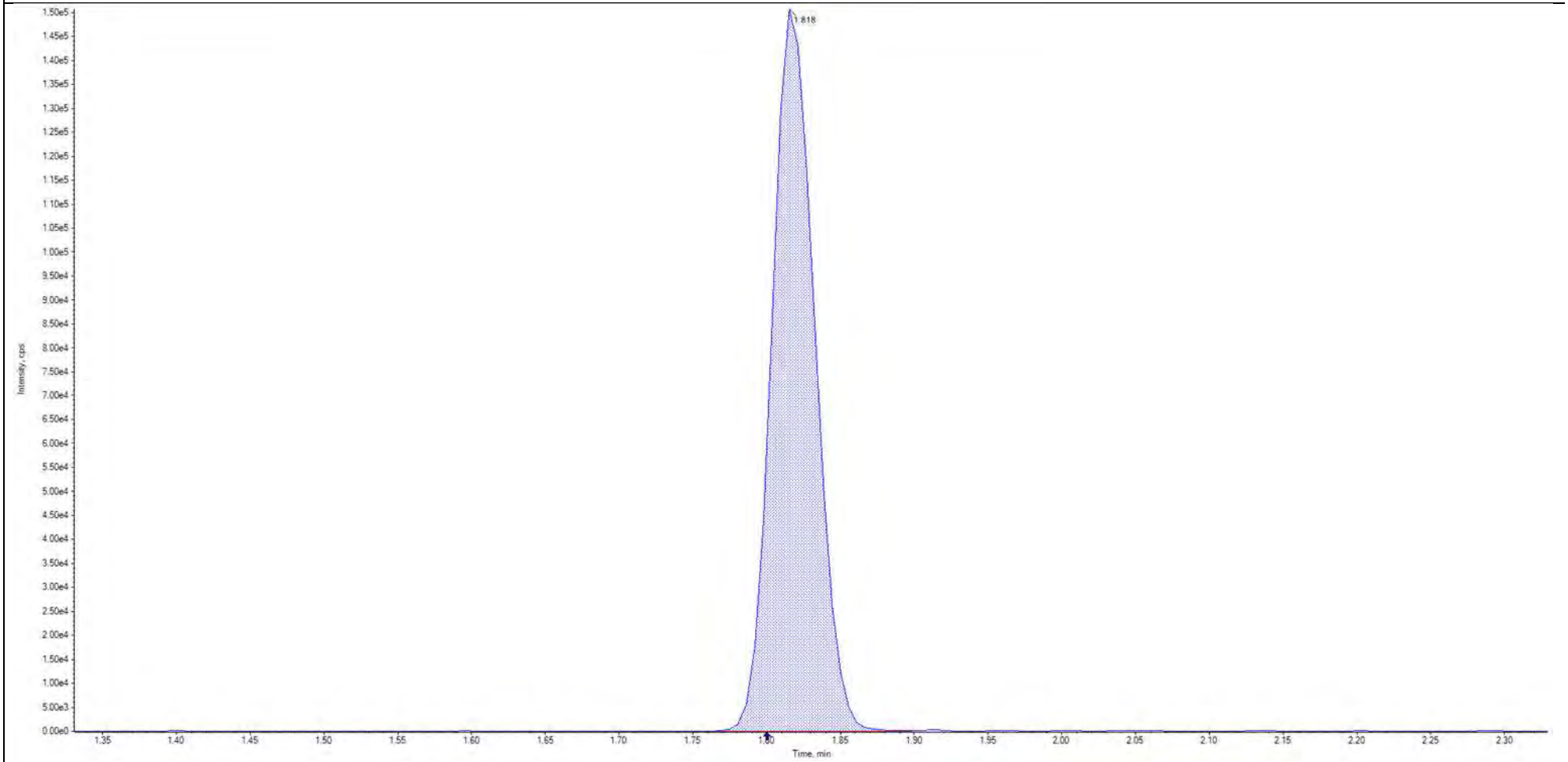
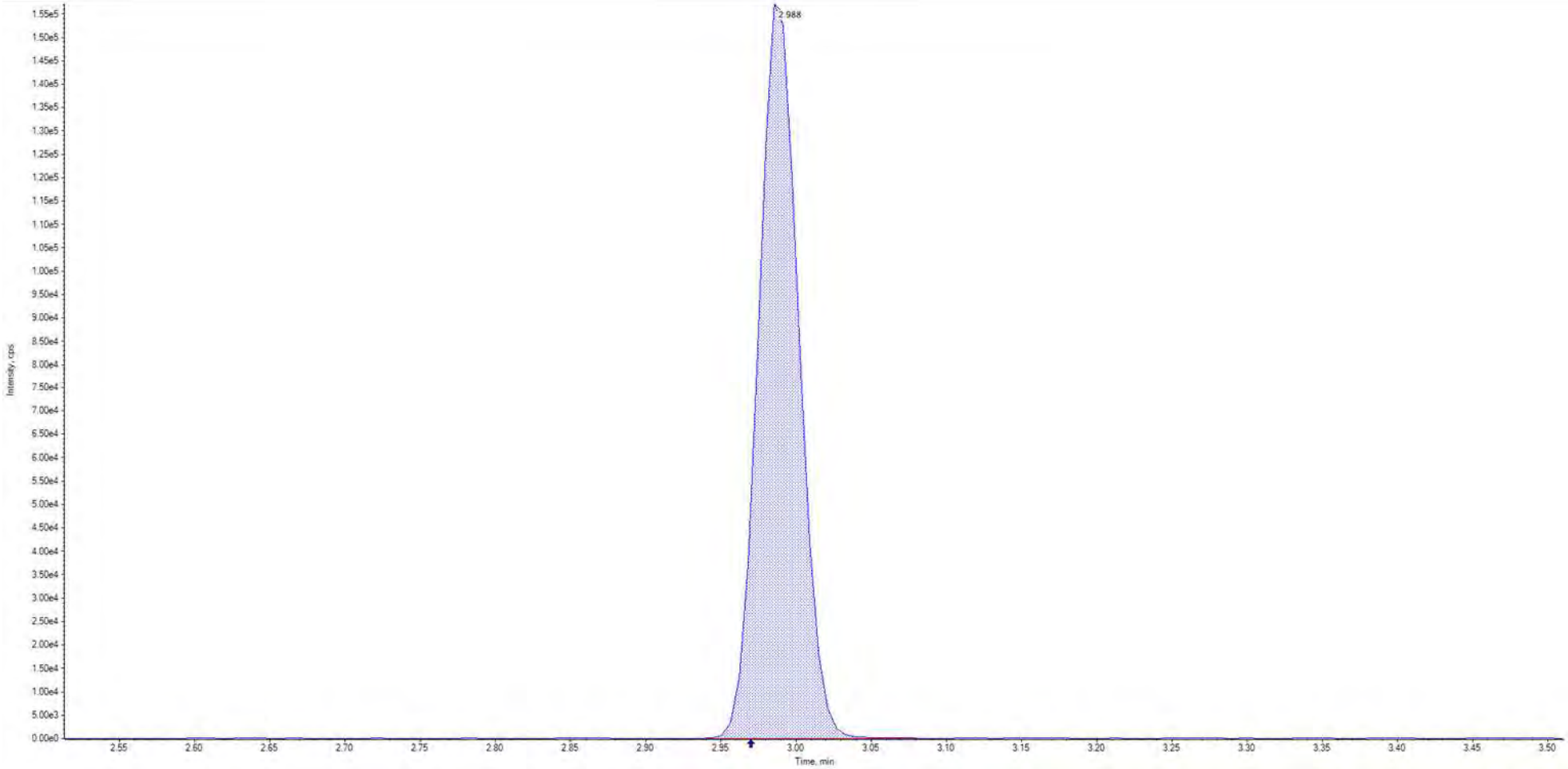


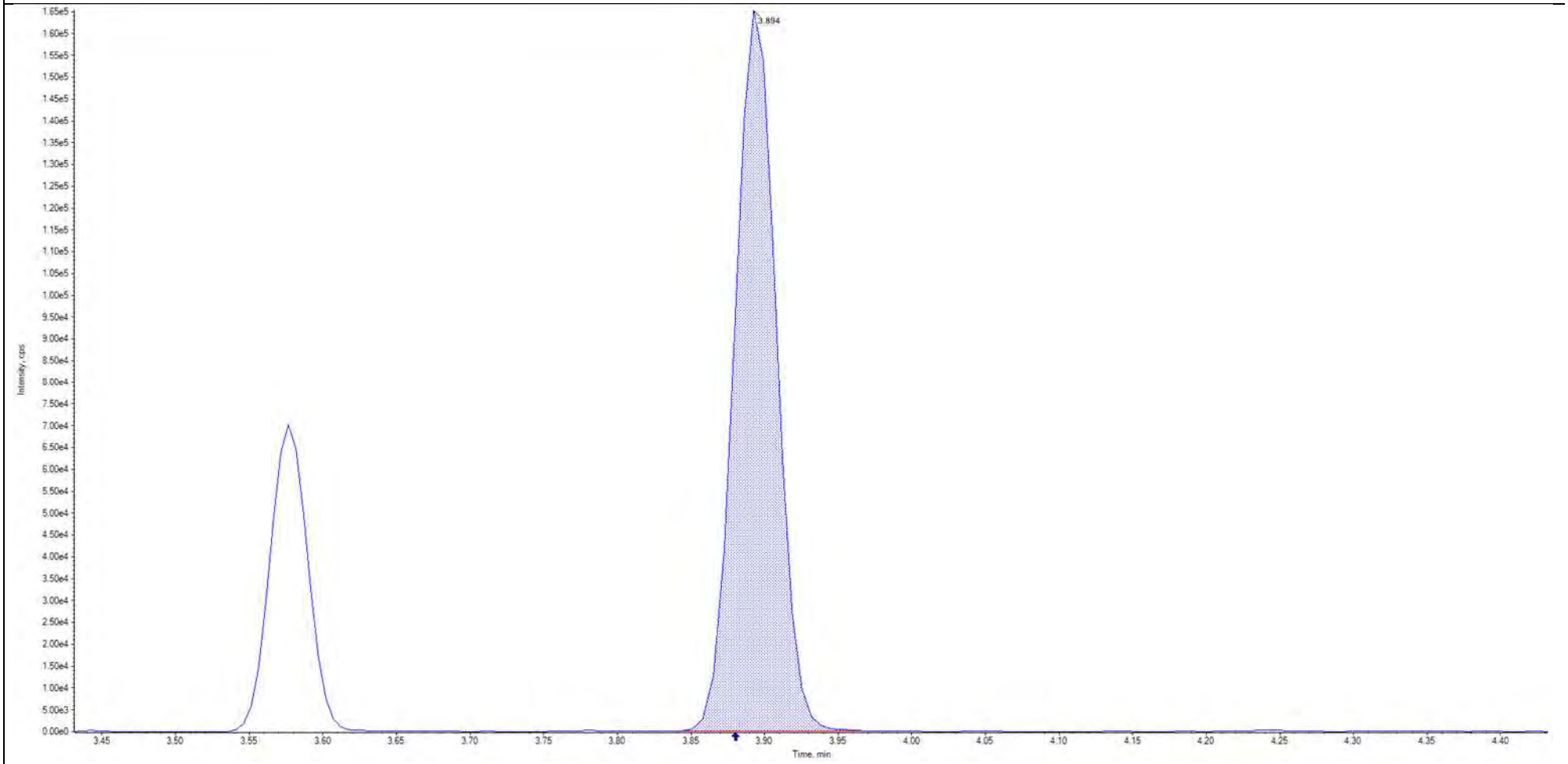
13C3-PFBS
Sample: IA1633STD-50



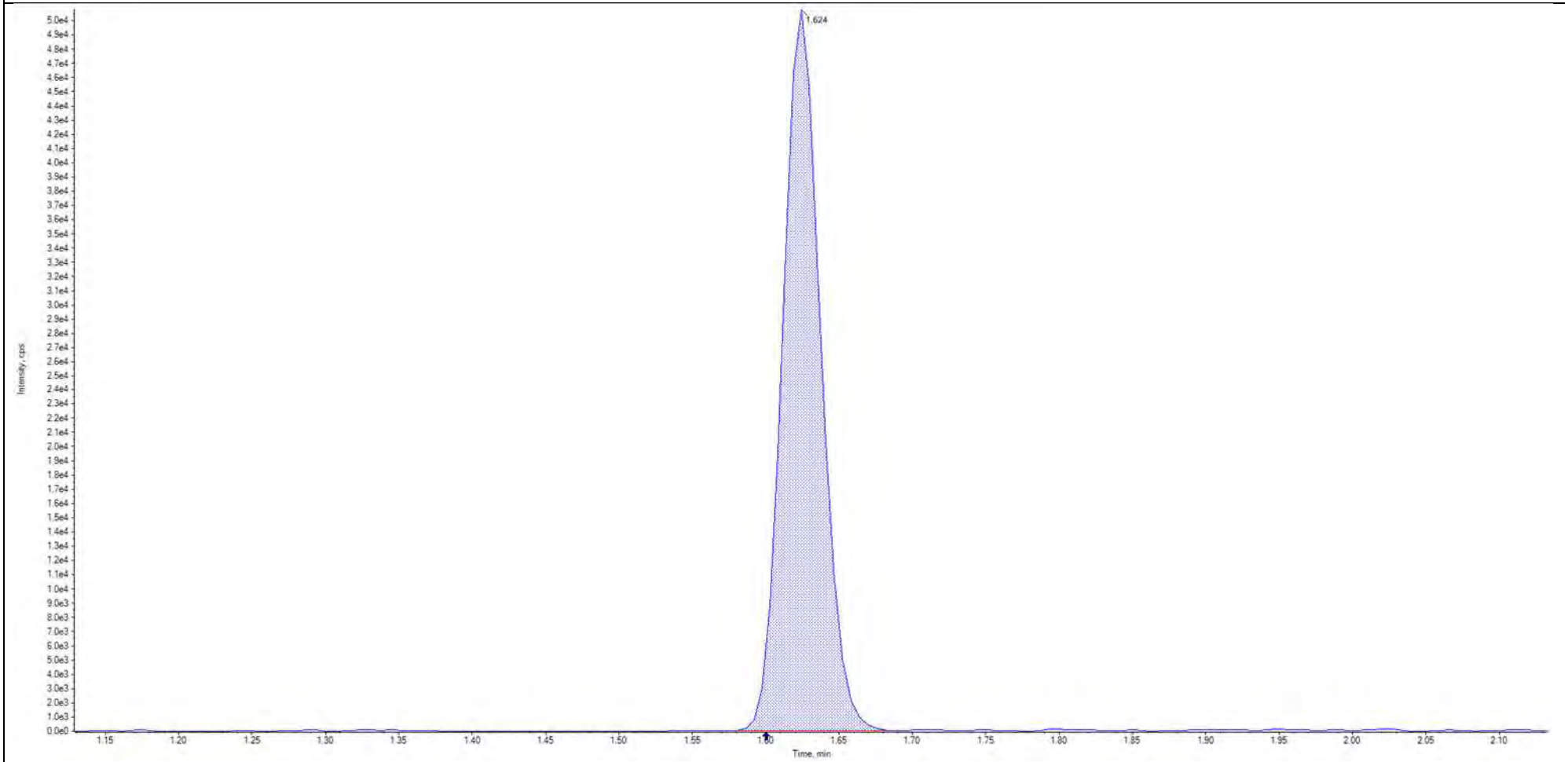
13C3-PFHxS
Sample: IA1633STD-50



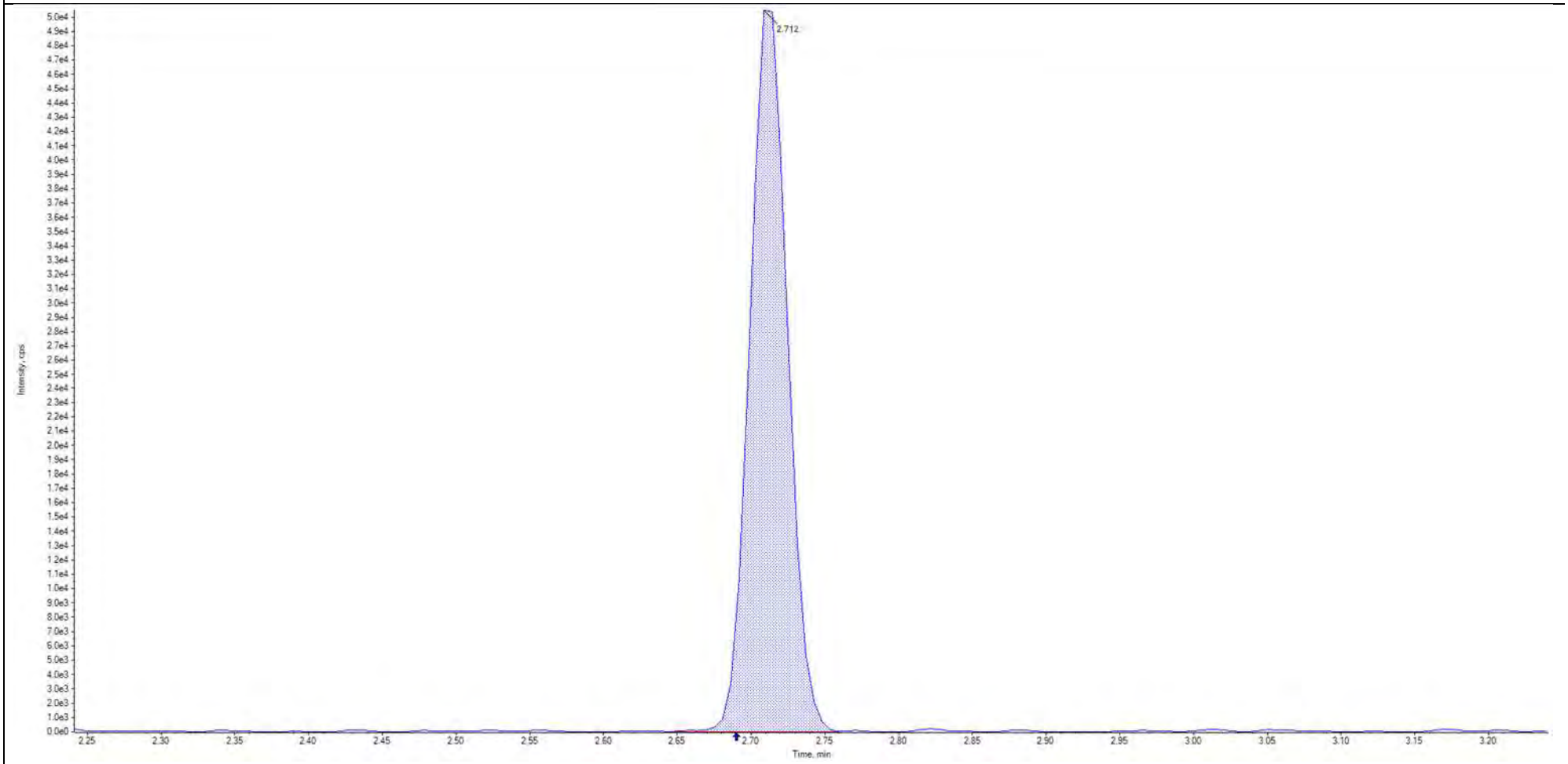
13C8-PFOS
Sample: IA1633STD-50



13C2-4:2FTS
Sample: IA1633STD-50



13C2-6:2FTS
Sample: IA1633STD-50



13C2-8:2FTS
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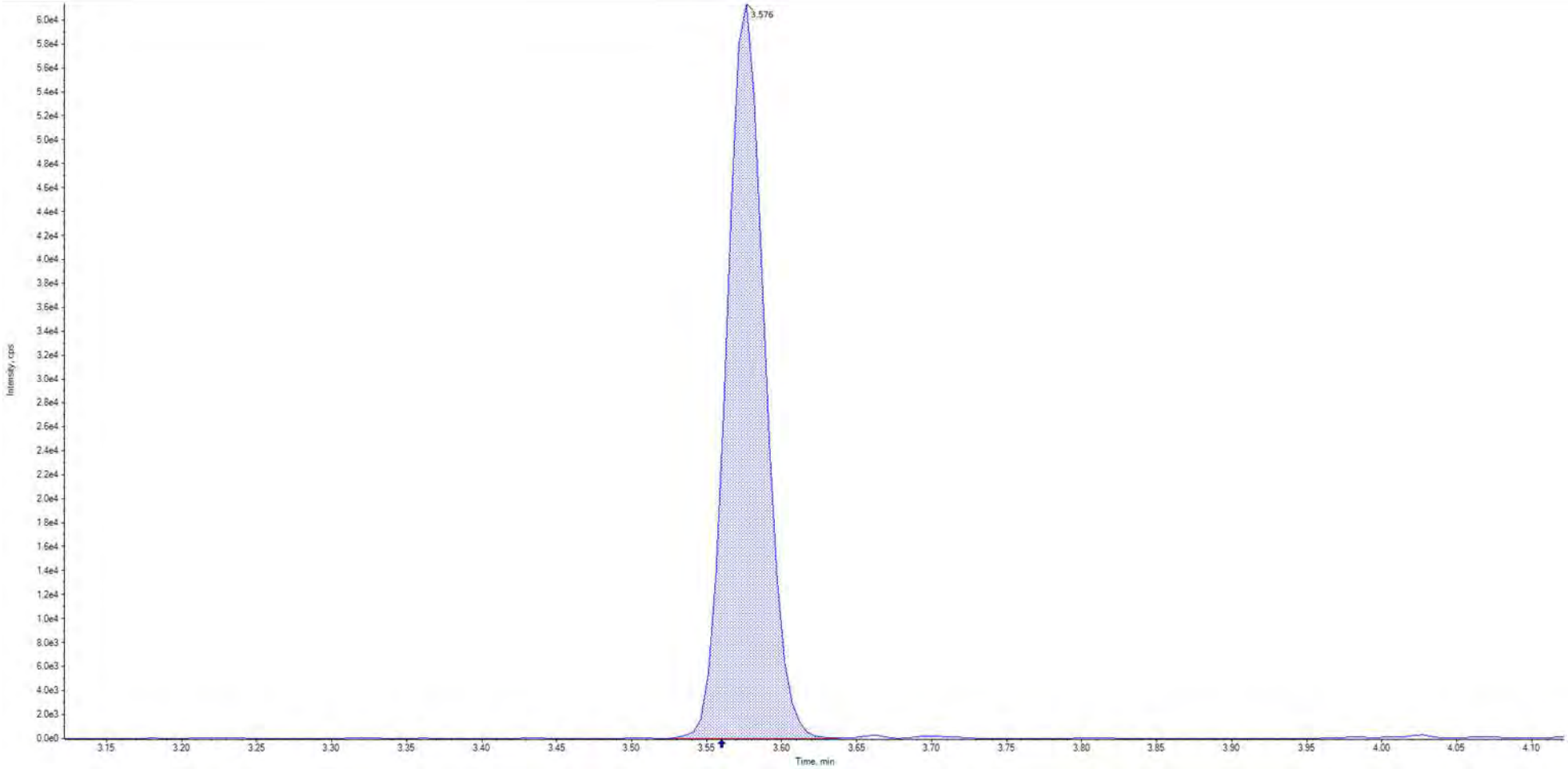
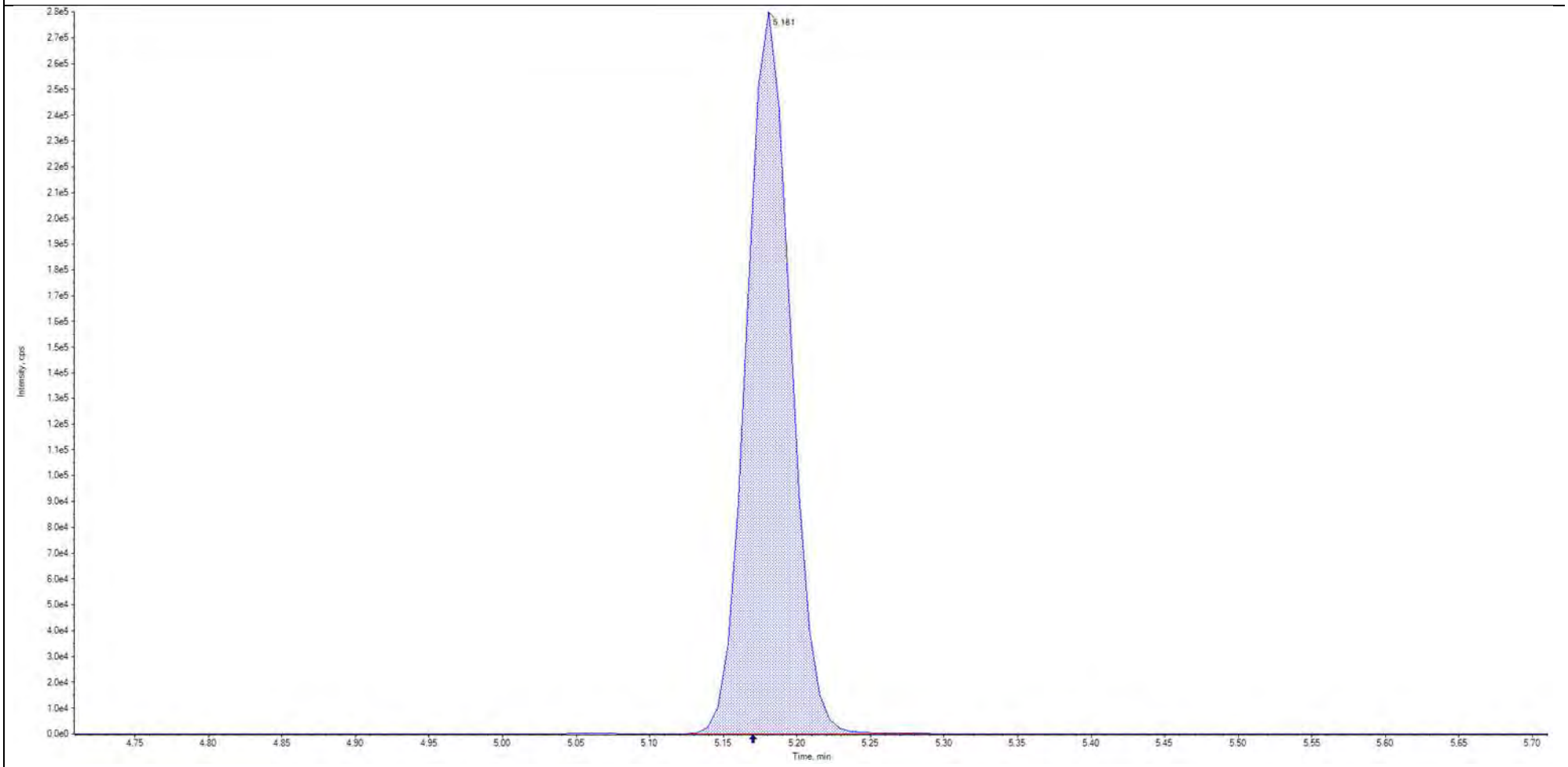
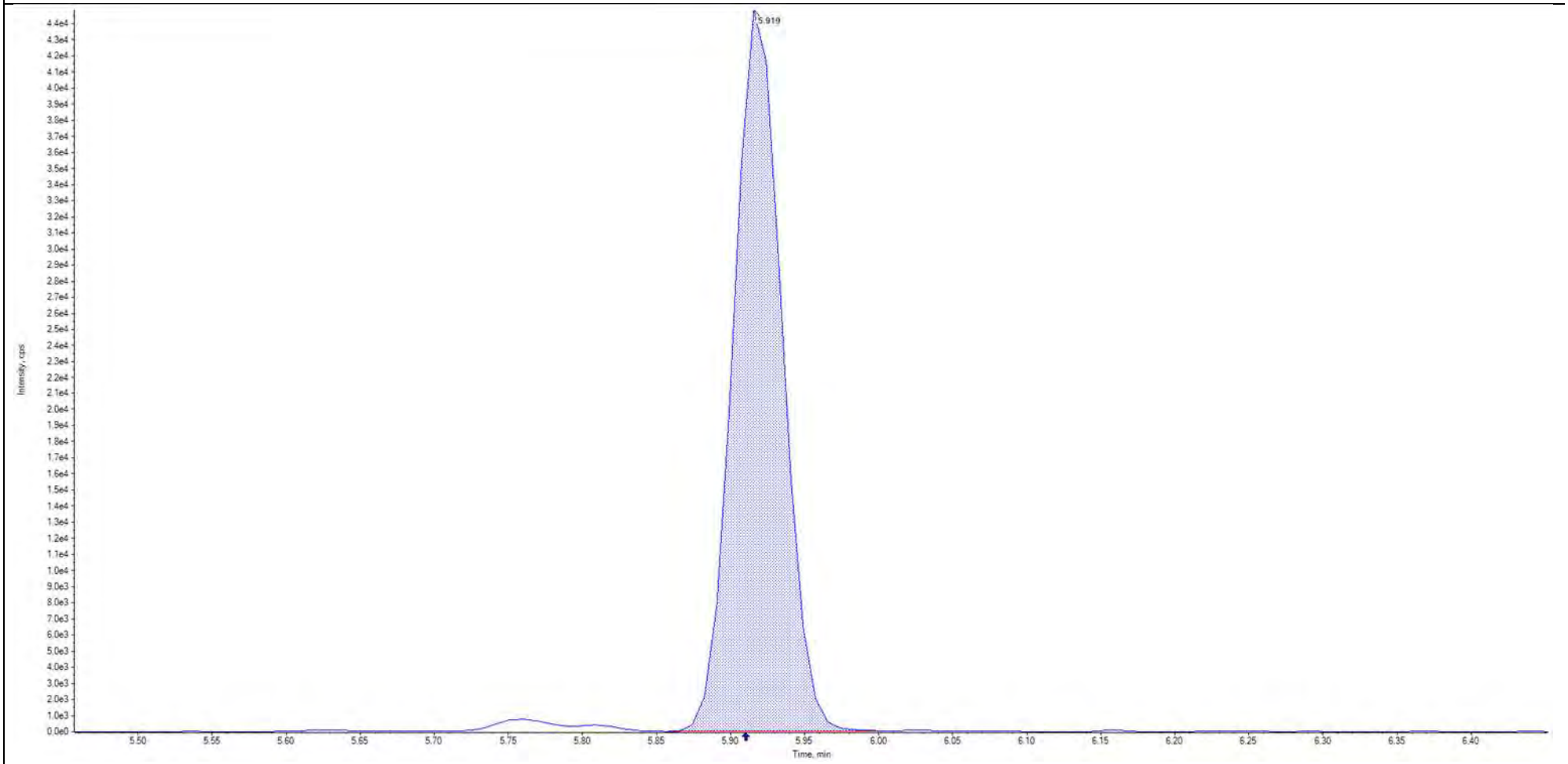


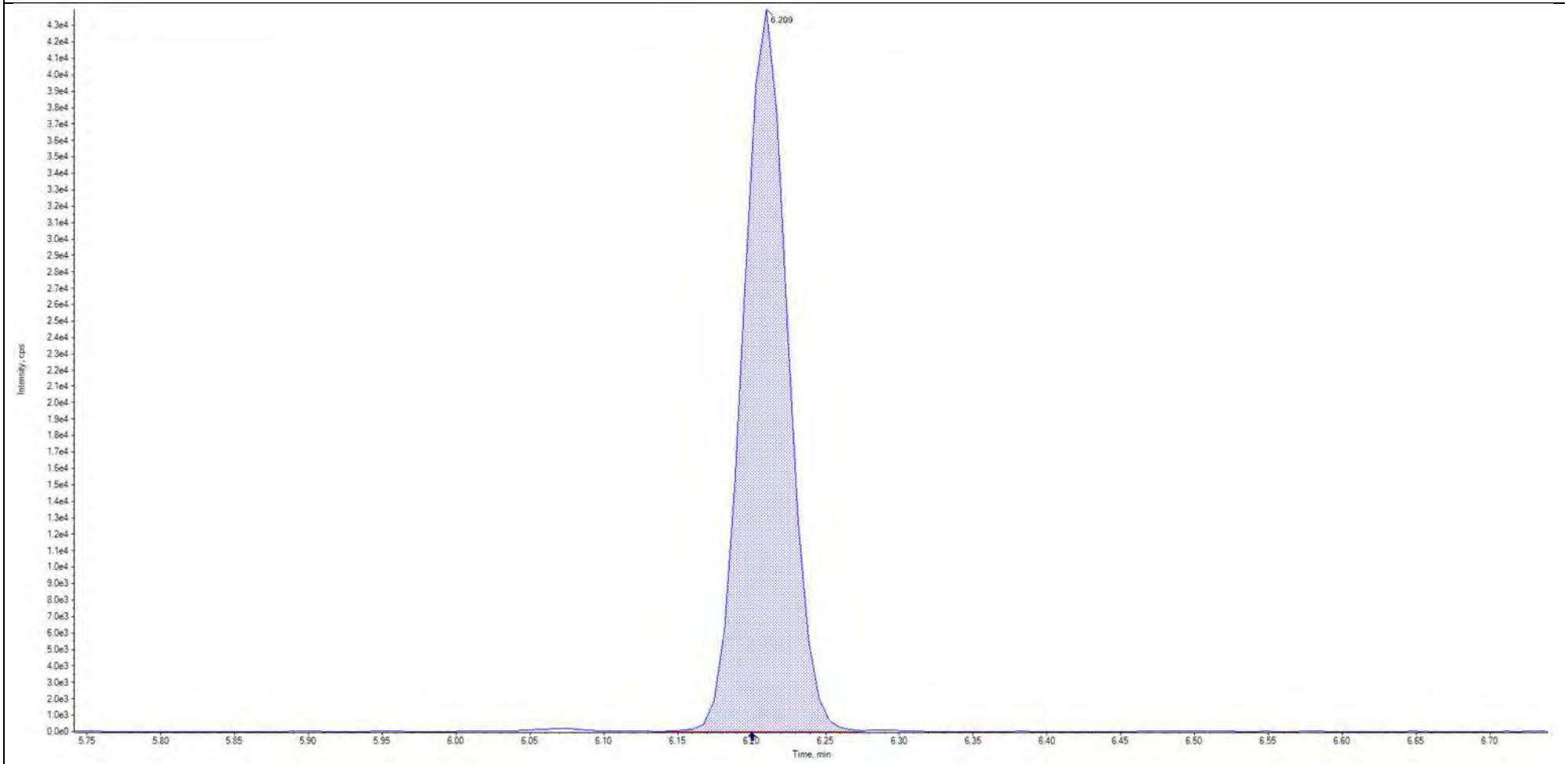
13C8-PFOSA
Sample: IA1633STD-50



d3-NMeFOSA
Sample: IA1633STD-50



d5-NEtFOSA
Sample: IA1633STD-50



d3-NMeFOSAA
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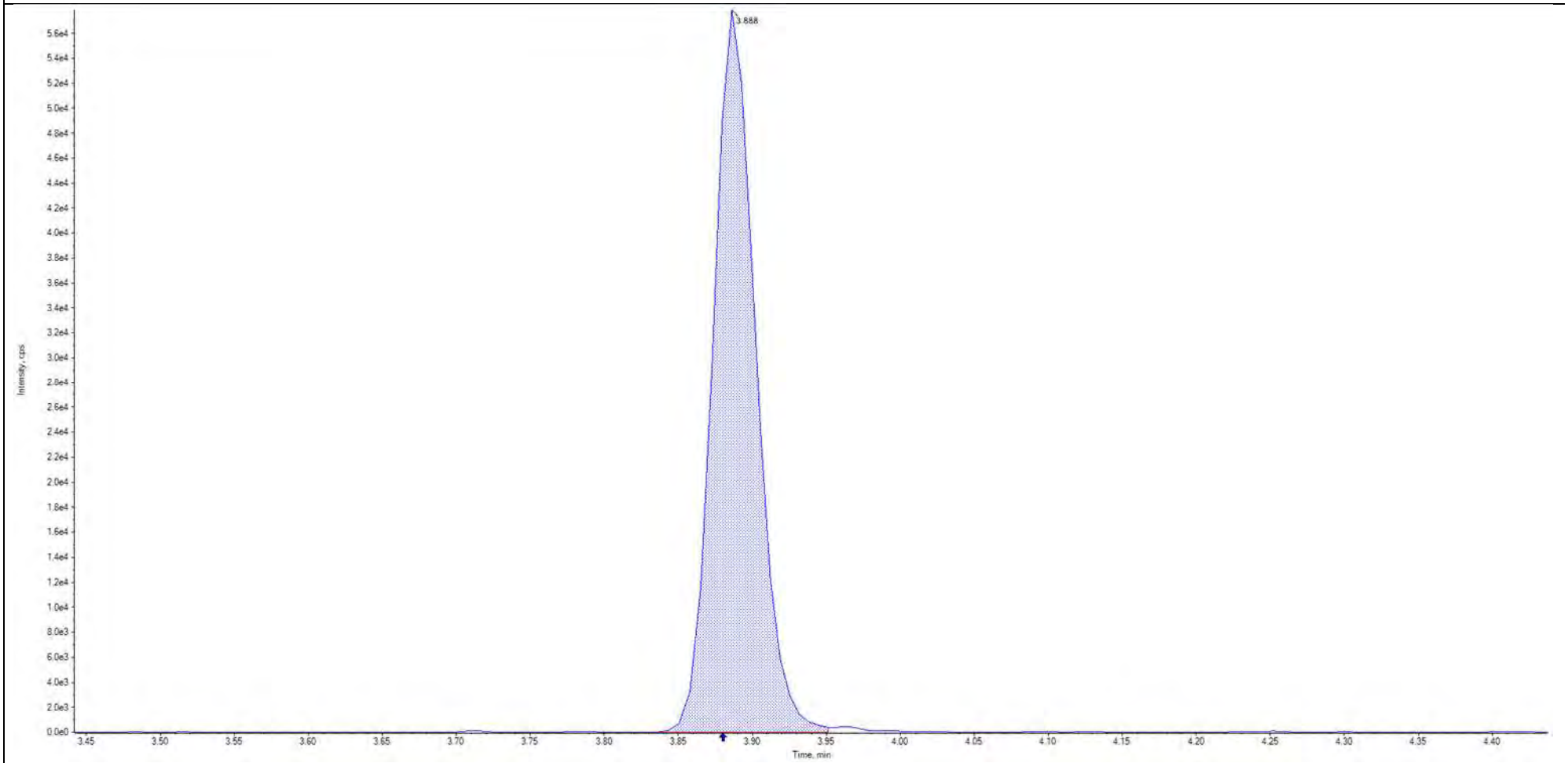
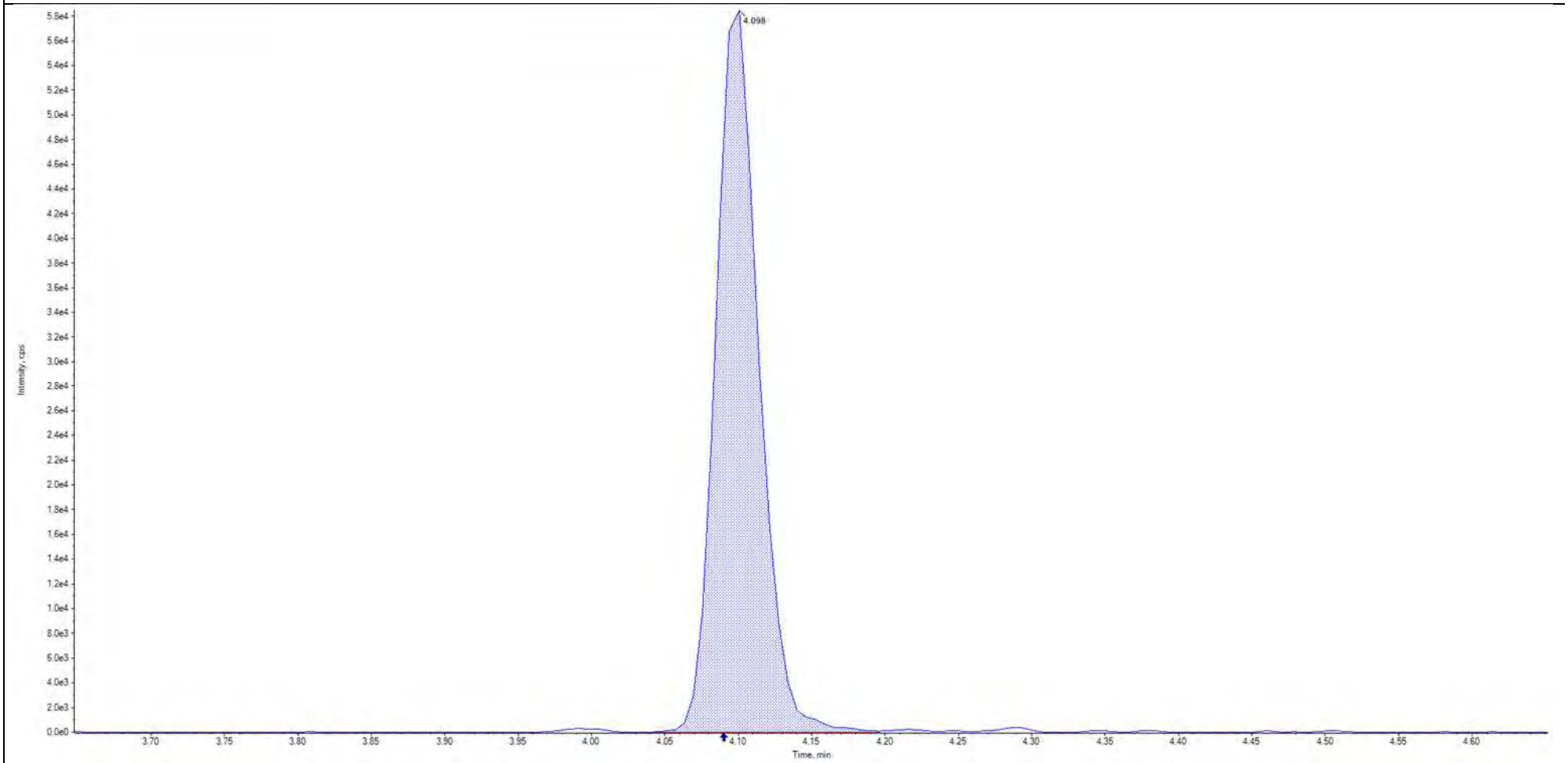
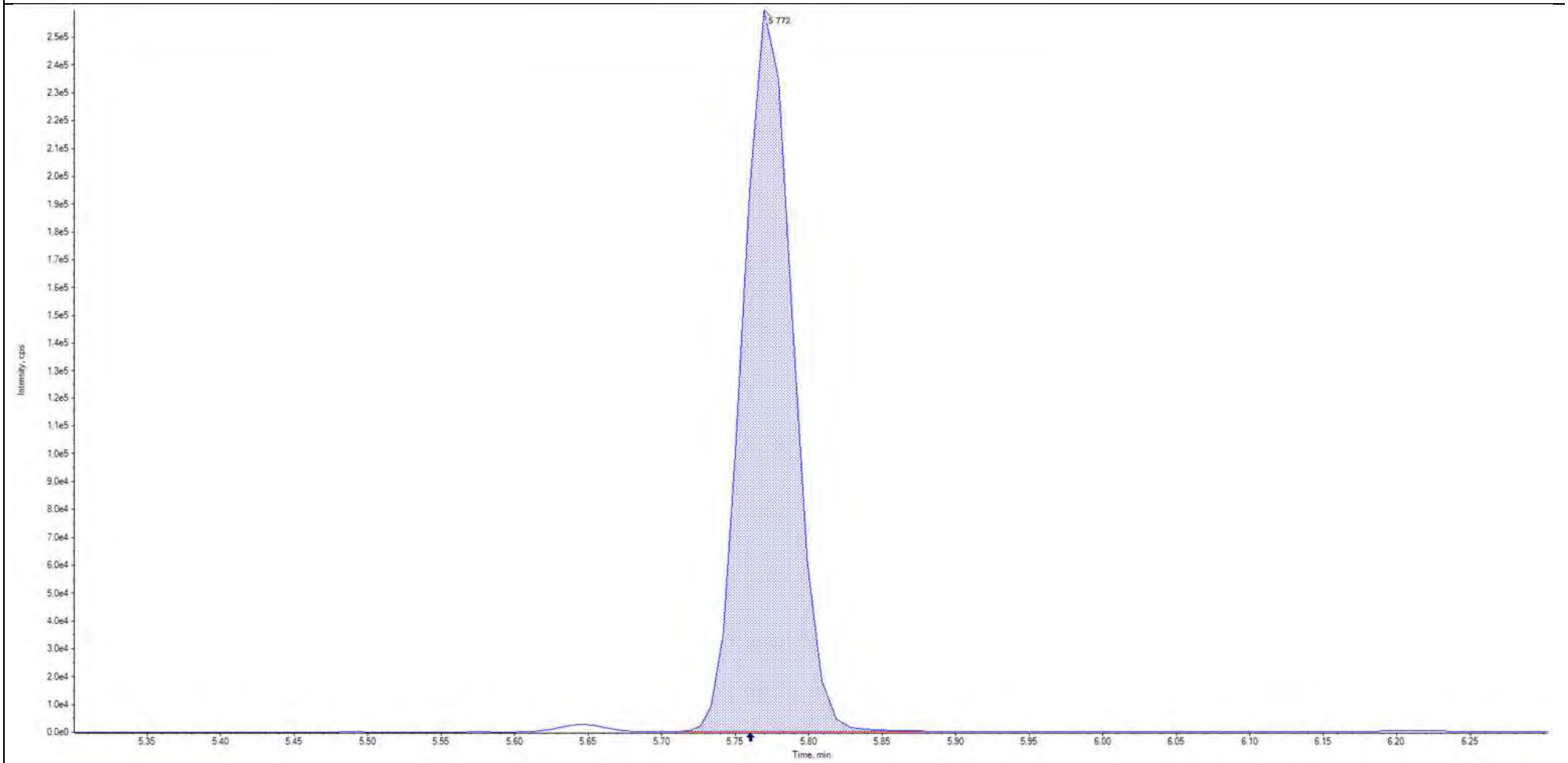


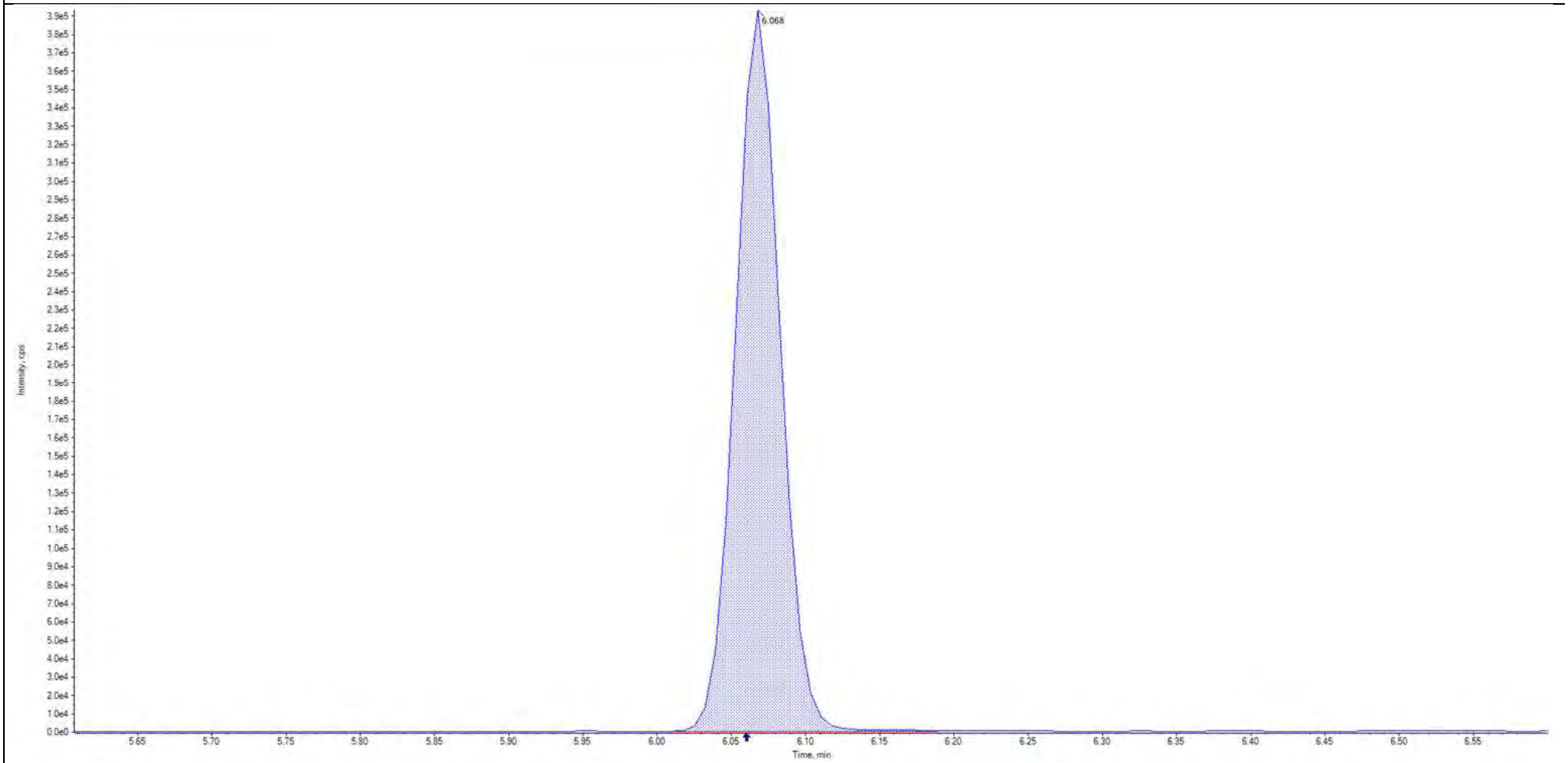
d5-NEtFOSAA
Sample: IA1633STD-50



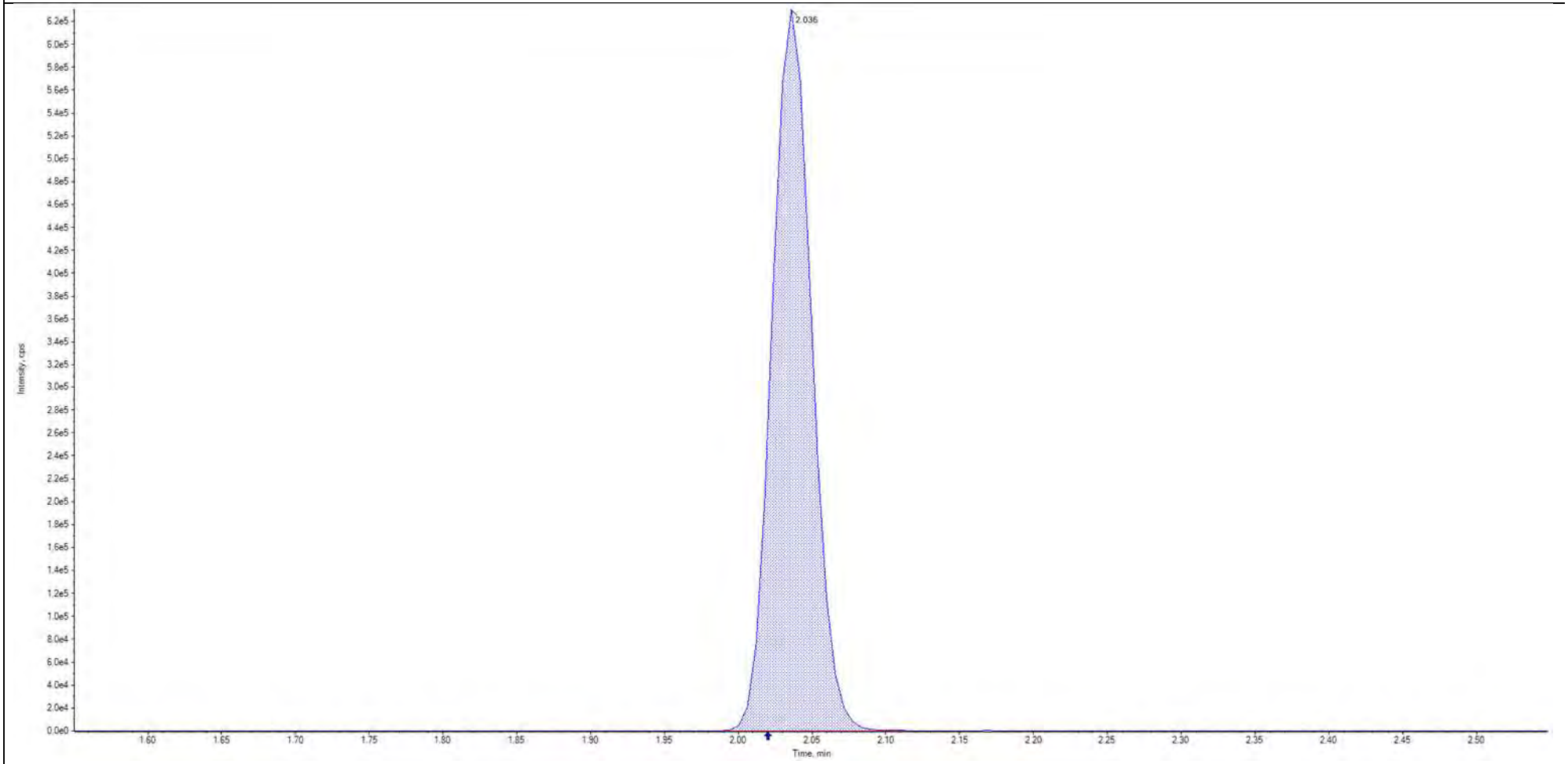
d7-NMeFOSE
Sample: IA1633STD-50



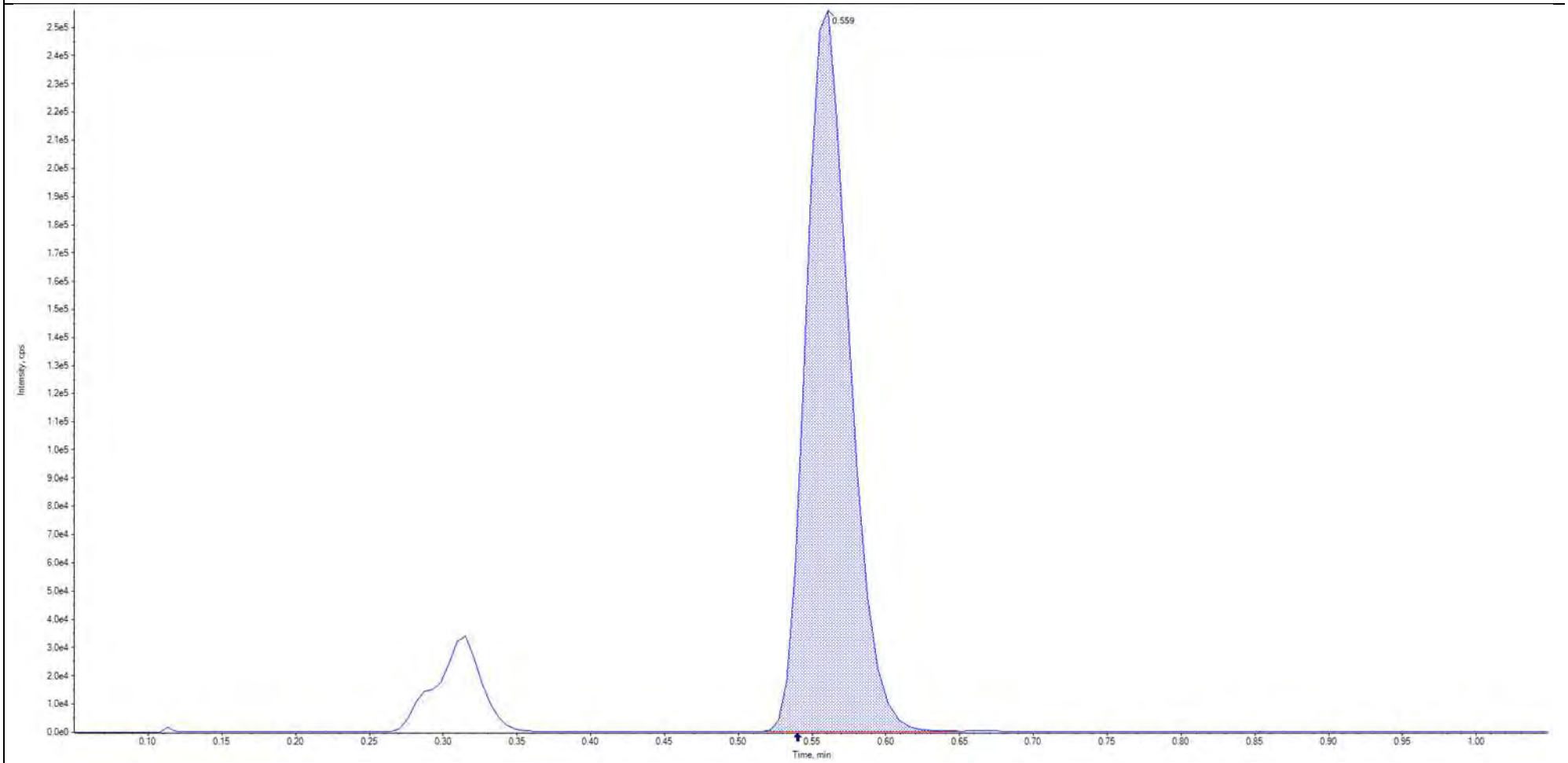
d9-NEtFOSE
Sample: IA1633STD-50



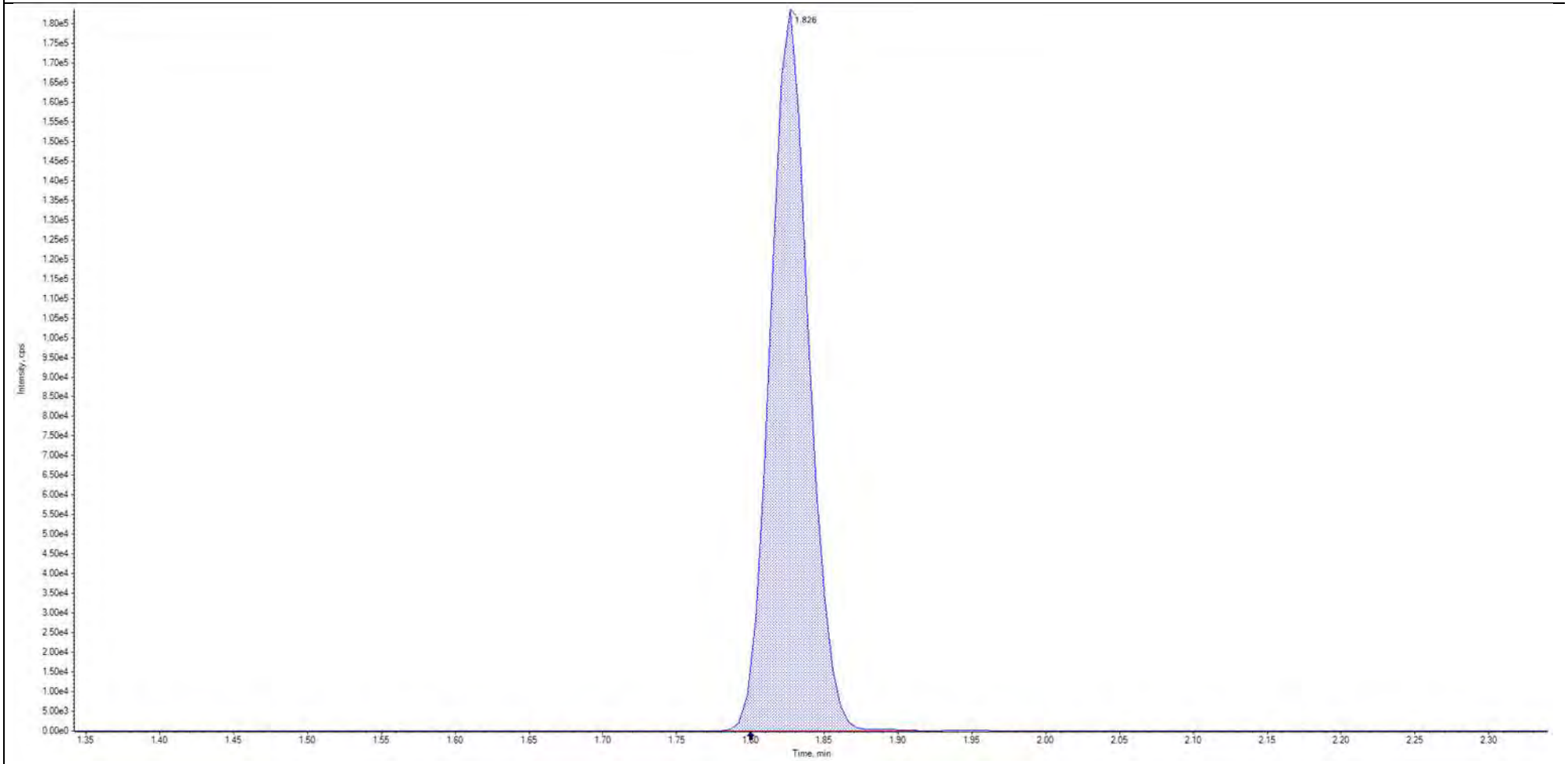
13C3-HFPO-DA
Sample: IA1633STD-50



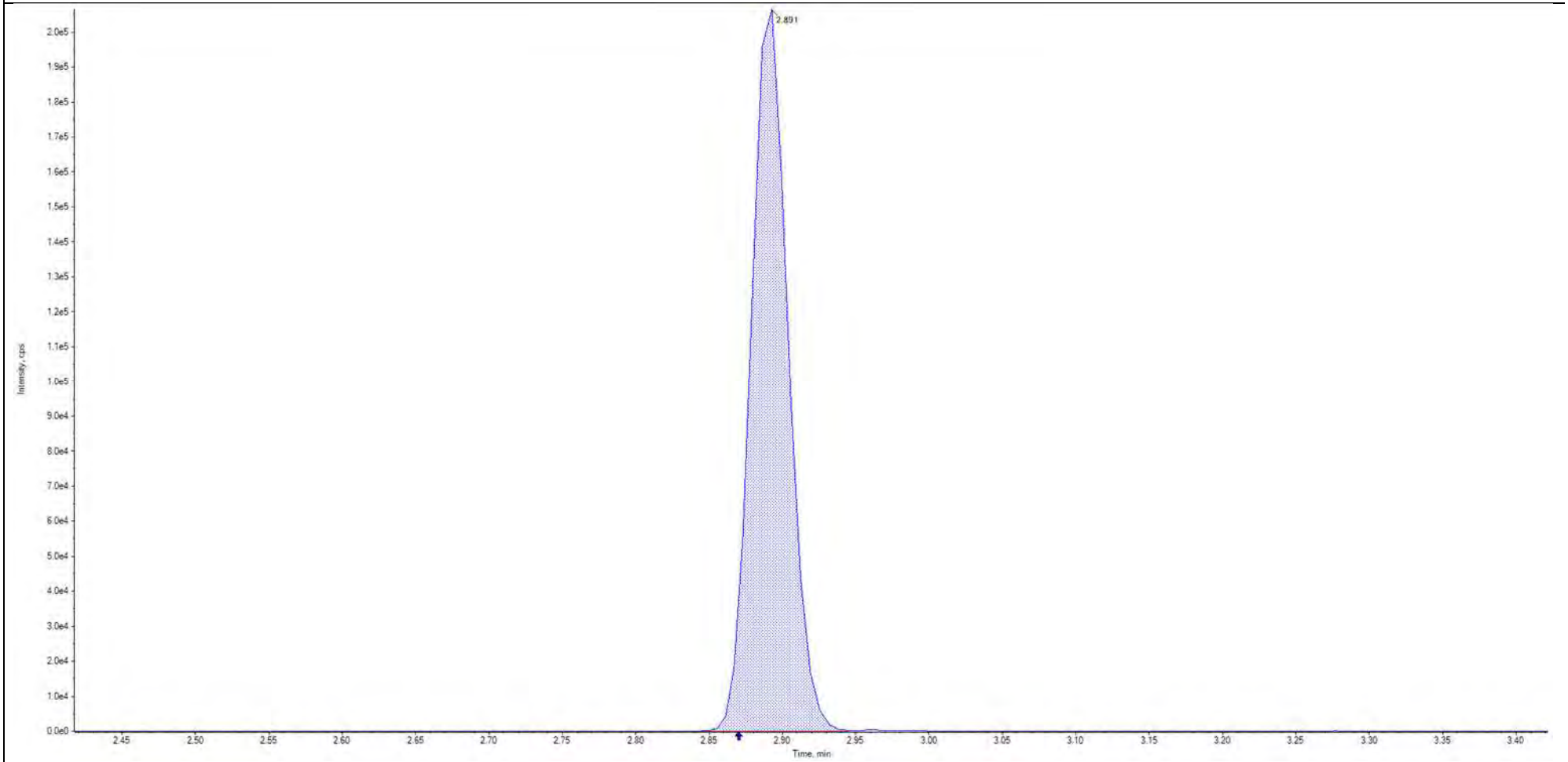
13C3-PFBA
Sample: IA1633STD-50



13C2-PFHxA
Sample: IA1633STD-50



13C4-PFOA
Sample: IA1633STD-50



13C5-PFNA
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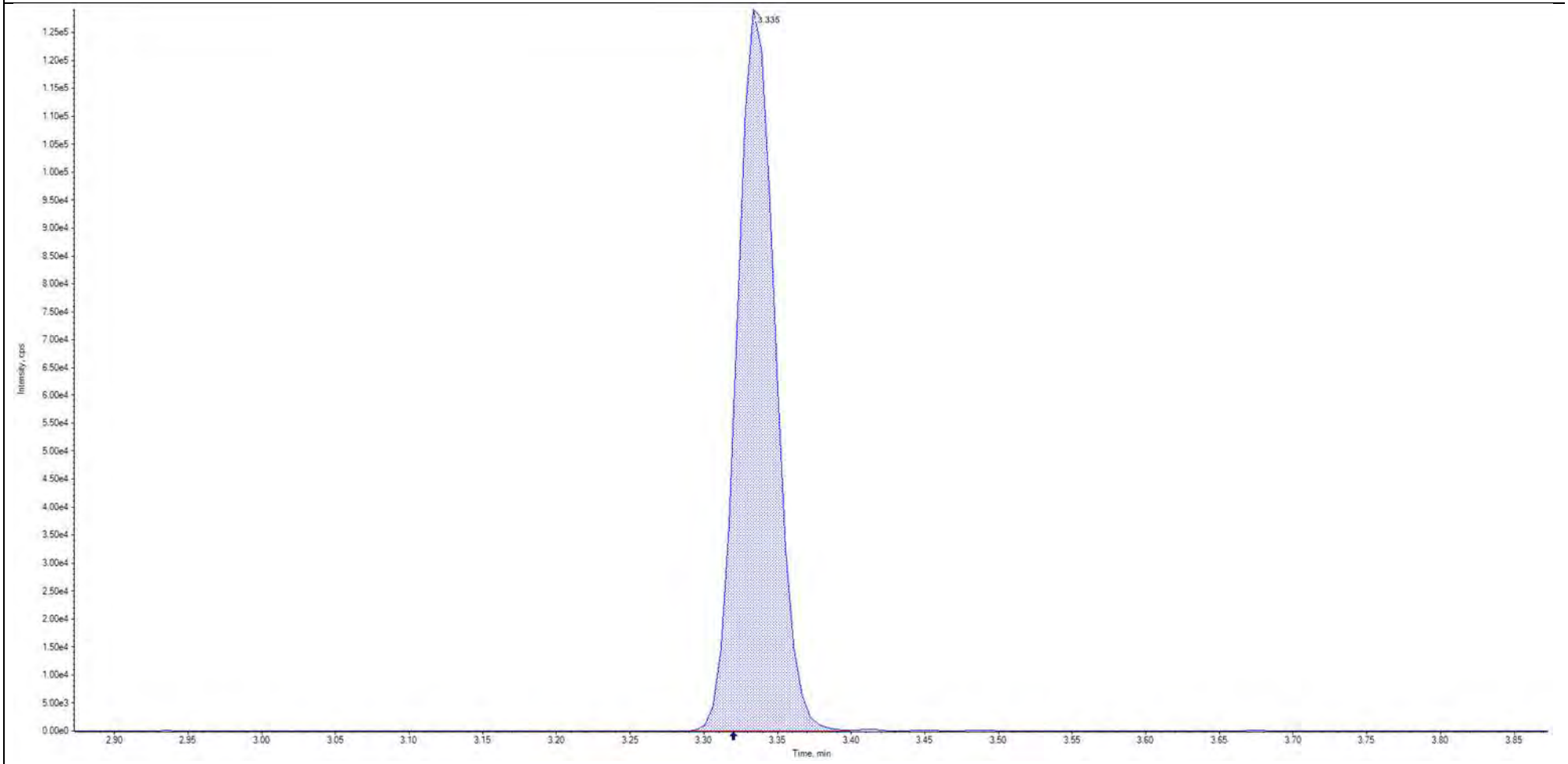
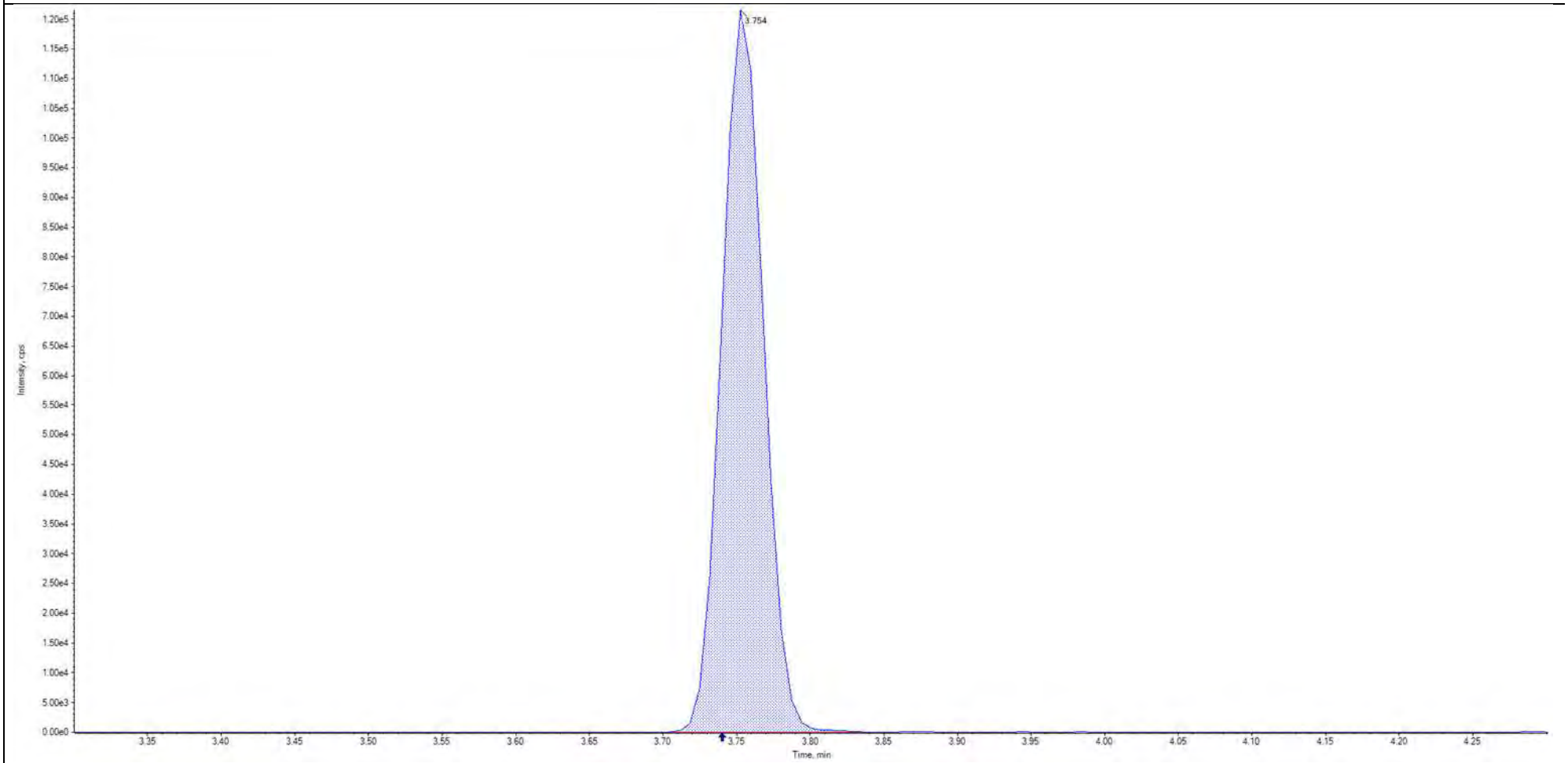
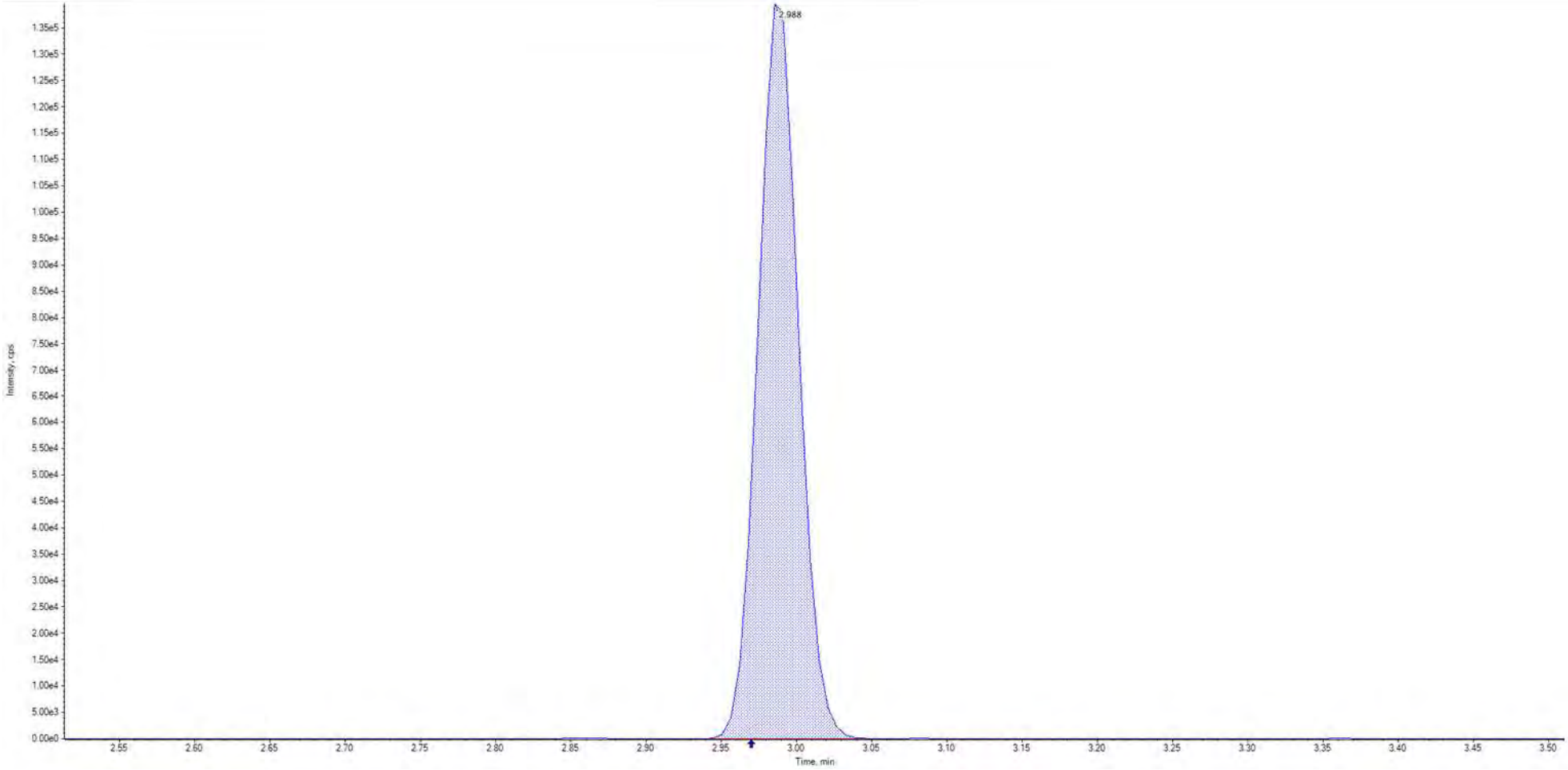


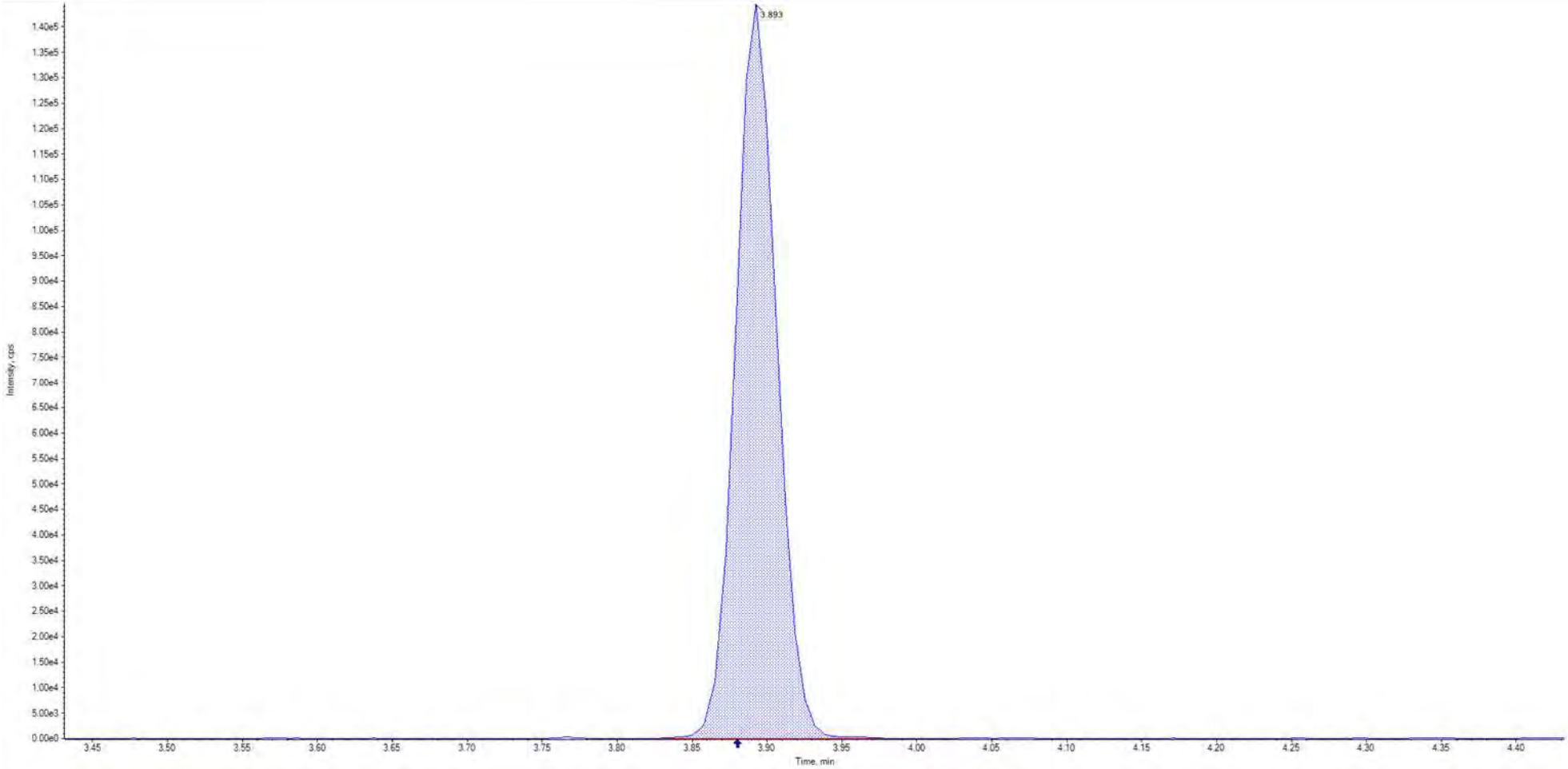
13C2-PFDA
Sample: IA1633STD-50



18O2-PFHxS
Sample: IA1633STD-50



13C4-PFOS
Sample: IA1633STD-50



Alpha Analytical LLC
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Last Altered: 11/12/2024 3:16:42 PM
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Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Method: EPA1633F.qmethod
Calibration: 241112_1633_ICAL

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Date & Time: 2024-11-12T14:58:48
Description: WG1996415
Instrument: SCIEX Triple Quad 5500+
User: LCMS09:PNB

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.55	213.0 / 169.0	23752764		224.707	N/A	N/A	N/A	89.9
2	PFPeA	2706-90-3	1.07	263.0 / 219.0	12071322		118.116	0.007	N/A	N/A	94.5
3	PFPeA_2	2706-90-3	1.07	263.0 / 68.9	88008		98.803	0.007	N/A	N/A	79.0
4	PFHxA	307-24-4	1.81	313.0 / 269.0	8048777		54.852	0.091	0.089	Pass	87.8
5	PFHxA_2	307-24-4	1.81	313.0 / 119.0	728550		54.663	0.091	0.089	Pass	87.5
6	PFHpA	375-85-9	2.39	363.1 / 319.0	9077105		55.448	0.396	0.384	Pass	88.7
7	PFHpA_2	375-85-9	2.39	363.1 / 169.0	3594529		56.446	0.396	0.384	Pass	90.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	2.88	413.1 / 369.1	9804164	M5	57.742	0.429	0.410	Pass	92.4
9	PFOA_2	335-67-1	2.88	413.1 / 169.0	4208922	M5	60.594	0.429	0.410	Pass	97.0
10	PFNA	375-95-1	3.32	462.8 / 418.9	9704511	M5	55.510	0.344	0.341	Pass	88.8
11	PFNA_2	375-95-1	3.32	462.8 / 219.0	3342967	M5	55.459	0.344	0.341	Pass	88.7
12	PFDA	335-76-2	3.75	513.1 / 469.1	10067605		57.774	0.183	0.215	Pass	92.4
13	PFDA_2	335-76-2	3.75	513.1 / 219.0	1838346		56.045	0.183	0.215	Pass	89.7
14	PFUnA	2058-94-8	4.15	563.1 / 519.1	9559178		56.850	0.145	0.151	Pass	91.0
15	PFUnA_2	2058-94-8	4.15	563.1 / 269.0	1389302		55.512	0.145	0.151	Pass	88.8
16	PFDoA	307-55-1	4.54	613.1 / 569.1	11827952		56.103	0.143	0.140	Pass	89.8
17	PFDoA_2	307-55-1	4.54	613.1 / 319.0	1686168		56.922	0.143	0.140	Pass	91.1
18	PFTrDA	72629-94-8	4.91	663.1 / 619.1	10580089		55.124	0.161	0.159	Pass	88.2
19	PFTrDA_2	72629-94-8	4.91	663.1 / 169.0	1704205		57.381	0.161	0.159	Pass	91.8
20	PFTeDA	376-06-7	5.28	713.1 / 669.1	9942284		55.310	0.160	0.159	Pass	88.5
21	PFTeDA_2	376-06-7	5.28	713.1 / 169.0	1589847		55.337	0.160	0.159	Pass	88.5
22	PFBS	375-73-5	1.80	299.1 / 80.1	6654256		48.410	0.381	0.398	Pass	87.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	1.80	299.1 / 99.1	2534730		52.924	0.381	0.398	Pass	90.0
24	PFPeS	2706-91-4	2.44	349.1 / 80.1	7348870		54.513	0.315	0.285	Pass	92.7
25	PFPeS_2	2706-91-4	2.44	349.1 / 99.1	2312604		54.797	0.315	0.285	Pass	93.2
26	PFHxS	355-46-4	2.97	399.1 / 80.1	6584297	M5	50.852	0.299	0.293	Pass	89.2
27	PFHxS_2	355-46-4	2.97	399.1 / 99.1	1967468		52.860	0.299	0.293	Pass	92.7
28	PFHpS	375-92-8	3.45	449.1 / 80.1	7388763		56.902	0.292	0.308	Pass	95.6
29	PFHpS_2	375-92-8	3.45	449.1 / 99.1	2159147		56.938	0.292	0.308	Pass	95.7
30	PFOS	1763-23-1	3.88	499.1 / 80.1	7473829	M5	49.613	0.254	0.241	Pass	85.5
31	PFOS_2	1763-23-1	3.88	499.1 / 99.1	1895966		51.944	0.254	0.241	Pass	89.6
32	PFNS	68259-12-1	4.30	549.1 / 80.1	6016389		55.494	0.293	0.299	Pass	92.5
33	PFNS_2	68259-12-1	4.30	549.1 / 99.1	1761794		55.755	0.293	0.299	Pass	92.9
34	PFDS	335-77-3	4.69	599.1 / 80.1	6322821		54.856	0.286	0.274	Pass	91.0
35	PFDS_2	335-77-3	4.69	599.1 / 99.1	1810617		54.987	0.286	0.274	Pass	91.2
36	PFDoS	79780-39-5	5.43	699.2 / 80.1	5509469		54.928	0.259	0.247	Pass	90.8
37	PFDoS_2	79780-39-5	5.43	699.2 / 99.1	1427433		55.495	0.259	0.247	Pass	91.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	1.61	327.1 / 307.1	6889631		206.001	0.630	0.634	Pass	88.0
39	4:2FTS_2	757124-72-4	1.61	327.1 / 81.1	4340210		205.322	0.630	0.634	Pass	87.7
40	6:2FTS	27619-97-2	2.70	427.2 / 407.2	6295423		198.128	0.597	0.609	Pass	83.3
41	6:2FTS_2	27619-97-2	2.70	427.2 / 81.1	3761467		190.559	0.597	0.609	Pass	80.1
42	8:2FTS	39108-34-4	3.56	527.2 / 507.2	5569172		182.167	0.685	0.681	Pass	75.9
43	8:2FTS_2	39108-34-4	3.56	527.2 / 81.1	3813933		192.507	0.685	0.681	Pass	80.2
44	PFOSA	754-91-6	5.17	498.1 / 78.1	11485225	M5	58.623	0.025	0.024	Pass	93.8
45	PFOSA_2	754-91-6	5.17	498.1 / 478.0	282368	M5	58.395	0.025	0.024	Pass	93.4
46	NMeFOSA	31506-32-8	5.92	512.2 / 219.0	2575445	M5	56.249	1.428	1.421	Pass	90.0
47	NMeFOSA_2	31506-32-8	5.87	512.2 / 169.0	3676920	M5	55.811	1.428	1.421	Pass	89.3
48	NEtFOSA	4151-50-2	6.21	526.2 / 219.0	2503142		58.983	1.262	1.258	Pass	94.4
49	NEtFOSA_2	4151-50-2	6.17	526.2 / 169.0	3158890		57.595	1.262	1.258	Pass	92.2
50	NMeFOSAA	2355-31-9	3.88	570.2 / 419.1	1203037		59.071	0.684	0.683	Pass	94.5
51	NMeFOSAA_2	2355-31-9	3.88	570.2 / 483.0	823018		57.699	0.684	0.683	Pass	92.3
52	NEtFOSAA	2991-50-6	4.09	584.2 / 419.1	1389480		59.477	0.584	0.571	Pass	95.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.09	584.2 / 526.2	810990	M5	59.752	0.584	0.571	Pass	95.6
54	NMeFOSE	24448-09-7	5.78	616.1 / 58.9	32888361	M5	580.842	N/A	N/A	N/A	92.9
55	NEtFOSE	1691-99-2	6.08	630.0 / 58.9	44166730	M5	586.881	N/A	N/A	N/A	93.9
56	HFPO-DA	13252-13-6	2.02	285.0 / 169.0	27447876		218.389	0.497	0.510	Pass	87.4
57	HFPO-DA_2	13252-13-6	2.02	285.0 / 184.9	13631482		202.237	0.497	0.510	Pass	80.9
58	ADONA	919005-14-4	2.57	376.9 / 251.0	47370223		223.107	0.653	0.636	Pass	94.4
59	ADONA_2	919005-14-4	2.57	376.9 / 84.8	30914678		191.479	0.653	0.636	Pass	81.1
60	9Cl-PF3ONS	756426-58-1	4.17	530.8 / 351.1	46680263		172.089	0.340	0.326	Pass	73.9
61	9Cl-PF3ONS_2	756426-58-1	4.17	532.8 / 353.0	15879334		175.120	0.340	0.326	Pass	75.2
62	11Cl-PF3OUdS	763051-92-9	4.95	630.9 / 451.0	42014679		174.875	0.328	0.318	Pass	74.1
63	11Cl-PF3OUdS_2	763051-92-9	4.95	632.9 / 452.9	13766648		178.927	0.328	0.318	Pass	75.8
64	3:3FTCA	356-02-5	1.44	241.1 / 177.1	2806459		340.754	1.009	1.068	Pass	109.0
65	3:3FTCA_2	356-02-5	1.44	241.1 / 117.0	2830737		320.667	1.009	1.068	Pass	102.6
66	5:3FTCA	914637-49-3	2.93	341.1 / 237.1	50160572		1303.508	0.979	1.045	Pass	83.4
67	5:3FTCA_2	914637-49-3	2.93	341.1 / 217.0	49131602		1248.708	0.979	1.045	Pass	79.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	3.96	441.1 / 316.9	50318083		1442.094	1.131	1.285	Pass	92.3
69	7:3FTCA_2	812-70-4	3.96	441.1 / 337.1	56919063		1257.741	1.131	1.285	Pass	80.5
70	PFEESA	113507-82-7	2.11	315.1 / 135.0	40356542		95.588	0.081	0.081	Pass	85.4
71	PFEESA_2	113507-82-7	2.11	315.1 / 82.9	3280889		95.749	0.081	0.081	Pass	85.5
72	PFMPA	377-73-1	0.69	229.0 / 85.0	14063088		128.175	N/A	N/A	N/A	102.5
73	PFMBA	863090-89-5	1.33	279.0 / 85.0	15338223		118.021	N/A	N/A	N/A	94.4
74	NFDHA	151772-58-6	1.74	295.0 / 201.0	10327901		116.443	0.752	0.681	Pass	93.2
75	NFDHA_2	151772-58-6	1.74	295.0 / 84.9	7768057		121.607	0.752	0.681	Pass	97.3
76	TDCA	516-50-7	2.57	499.1 / 124.1	2524140		10.157	5.309	5.357	Pass	101.6
77	TDCA_2	516-50-7	2.57	499.1 / 79.9	13399846		10.188	5.309	5.357	Pass	101.9
78	13C2D4-4:2FTS	Surr	1.60	333.2 / 312.1	100008		4.757	N/A	N/A	N/A	95.1
79	13C2-PFOA	Surr	2.87	415.0 / 370.0	320540		2.468	N/A	N/A	N/A	98.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.55	217.0 / 172.0	1239784		9.915	NA	NA	NA	99.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.07	268.0 / 223.0	583199		4.789	NA	NA	NA	95.8
	13C5-PFHxA	EIS	1.81	318.0 / 273.0	319970		2.491	NA	NA	NA	99.6
	13C4-PFHpA	EIS	2.38	367.0 / 322.0	268843		2.507	NA	NA	NA	100.3
	13C8-PFOA	EIS	2.87	420.8 / 376.0	525195		2.295	NA	NA	NA	91.8
	13C9-PFNA	EIS	3.32	472.0 / 427.0	246436		1.201	NA	NA	NA	96.0
	13C6-PFDA	EIS	3.74	519.0 / 474.0	257206		1.180	NA	NA	NA	94.4
	13C7-PFUnA	EIS	4.14	570.0 / 525.0	258355		1.068	NA	NA	NA	85.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.53	615.1 / 570.0	300097		1.161	NA	NA	NA	92.9
	13C2-PFTeDA	EIS	5.27	715.1 / 670.1	227600		1.186	NA	NA	NA	94.9
	13C3-PFBS	EIS	1.80	302.1 / 80.1	319858		2.188	NA	NA	NA	93.9
	13C3-PFHxS	EIS	2.97	402.1 / 80.1	298430		2.304	NA	NA	NA	97.2
	13C8-PFOS	EIS	3.88	507.1 / 80.1	342086		2.356	NA	NA	NA	98.2
	13C2-4:2FTS	EIS	1.60	329.1 / 81.1	99797		4.914	NA	NA	NA	104.8
	13C2-6:2FTS	EIS	2.69	429.2 / 81.1	96737		5.366	NA	NA	NA	112.7
	13C2-8:2FTS	EIS	3.56	529.2 / 81.1	117483		5.506	NA	NA	NA	114.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	5.17	506.1 / 78.1	623297		2.528	NA	NA	NA	101.1
	d3-NMeFOSA	EIS	5.91	515.2 / 219.0	106093		2.628	NA	NA	NA	105.1
	d5-NEtFOSA	EIS	6.20	531.2 / 219.0	95343		2.603	NA	NA	NA	104.1
	d3-NMeFOSAA	EIS	3.87	573.2 / 419.1	128374		5.122	NA	NA	NA	102.4
	d5-NEtFOSAA	EIS	4.08	589.3 / 419.1	123863		5.015	NA	NA	NA	100.3
	d7-NMeFOSE	EIS	5.76	623.2 / 58.9	656644		25.114	NA	NA	NA	100.5
	d9-NEtFOSE	EIS	6.06	639.2 / 58.9	872274		24.792	NA	NA	NA	99.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.02	287.0 / 169.0	1318133		10.505	NA	NA	NA	105.1
	13C3-PFBA	NIS	0.55	216.0 / 172.0	545084		4.298	NA	NA	NA	86.0
	13C2-PFHxA	NIS	1.81	315.0 / 270.0	356462		2.393	NA	NA	NA	95.7
	13C4-PFOA	NIS	2.87	417.0 / 372.0	364851		2.531	NA	NA	NA	101.2
	13C5-PFNA	NIS	3.32	468.0 / 423.0	255573		1.251	NA	NA	NA	100.1
	13C2-PFDA	NIS	3.74	515.1 / 470.1	258740		1.227	NA	NA	NA	98.1
	18O2-PFHxS	NIS	2.97	403.1 / 84.1	270416		2.318	NA	NA	NA	97.8
	13C4-PFOS	NIS	3.88	503.1 / 80.1	289179		2.304	NA	NA	NA	96.0

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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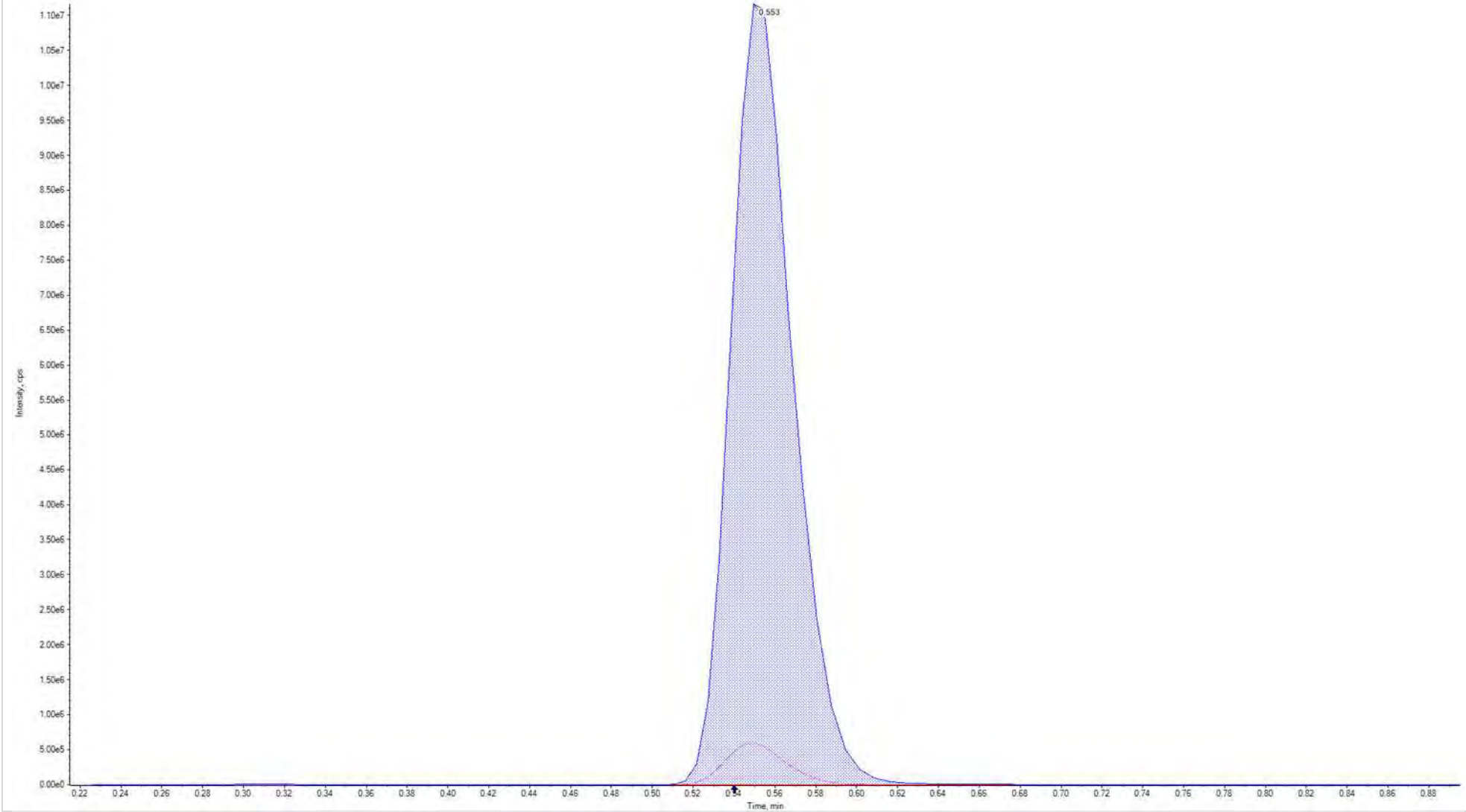
PFBA
Sample: IA1633STD-62.5 S/N:6231.3 Points Across peak:37



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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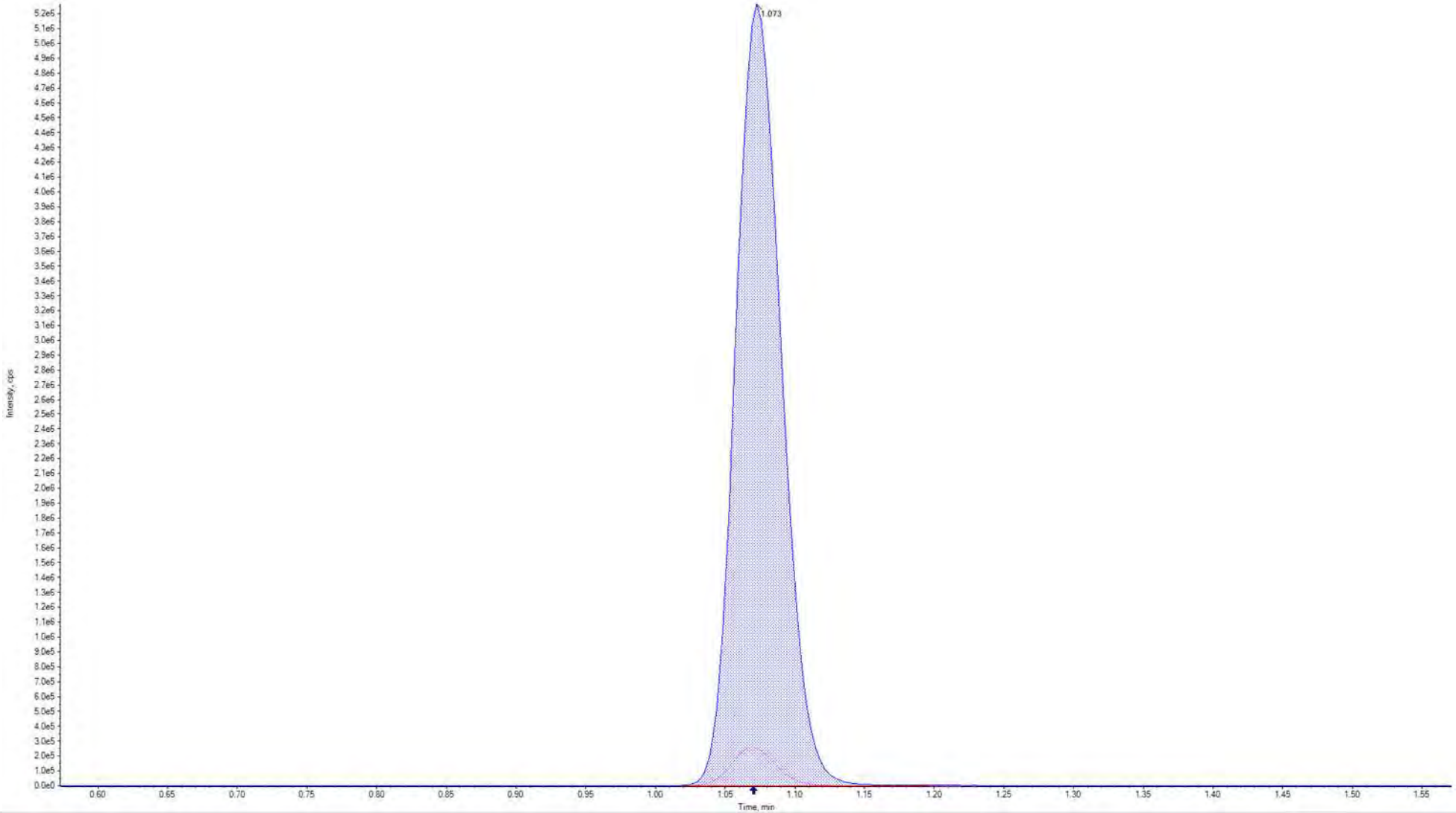
PFPeA
Sample: IA1633STD-62.5 S/N:12498.3 Points Across peak:51



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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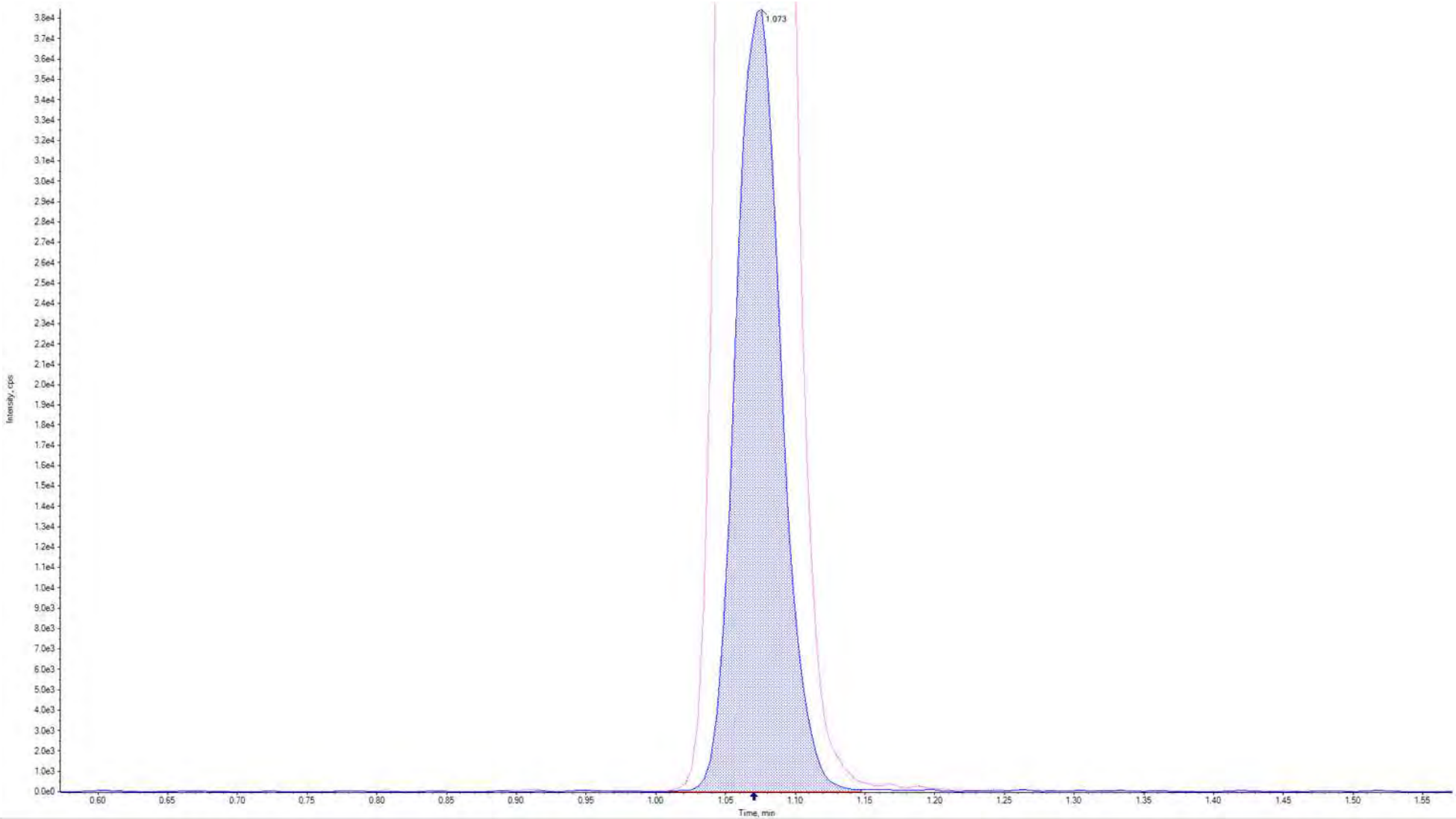
PFPeA_2
Sample: IA1633STD-62.5 S/N:2312.6 Points Across peak:39



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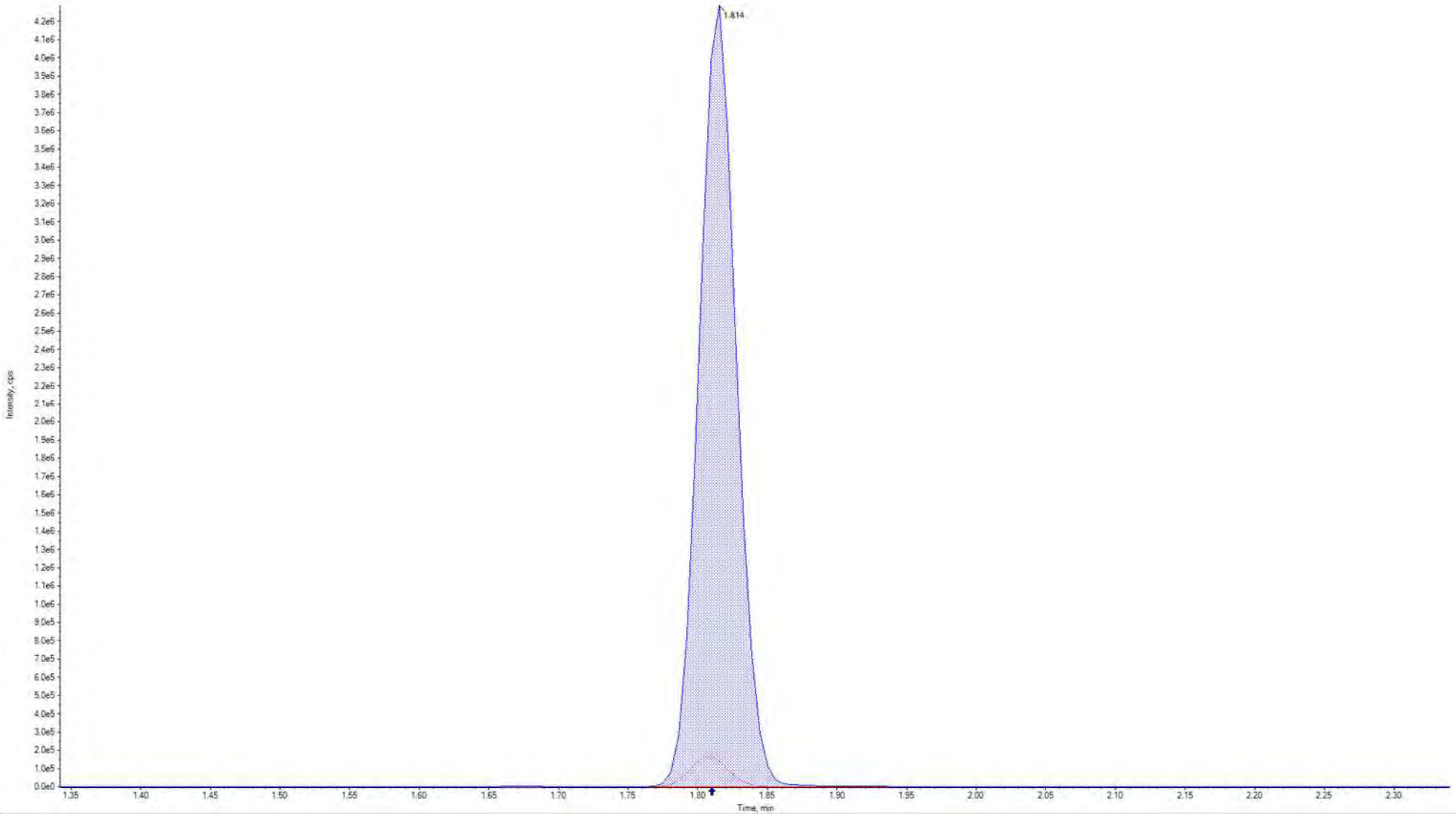
PFHxA
Sample: IA1633STD-62.5 S/N:15973.2 Points Across peak:37



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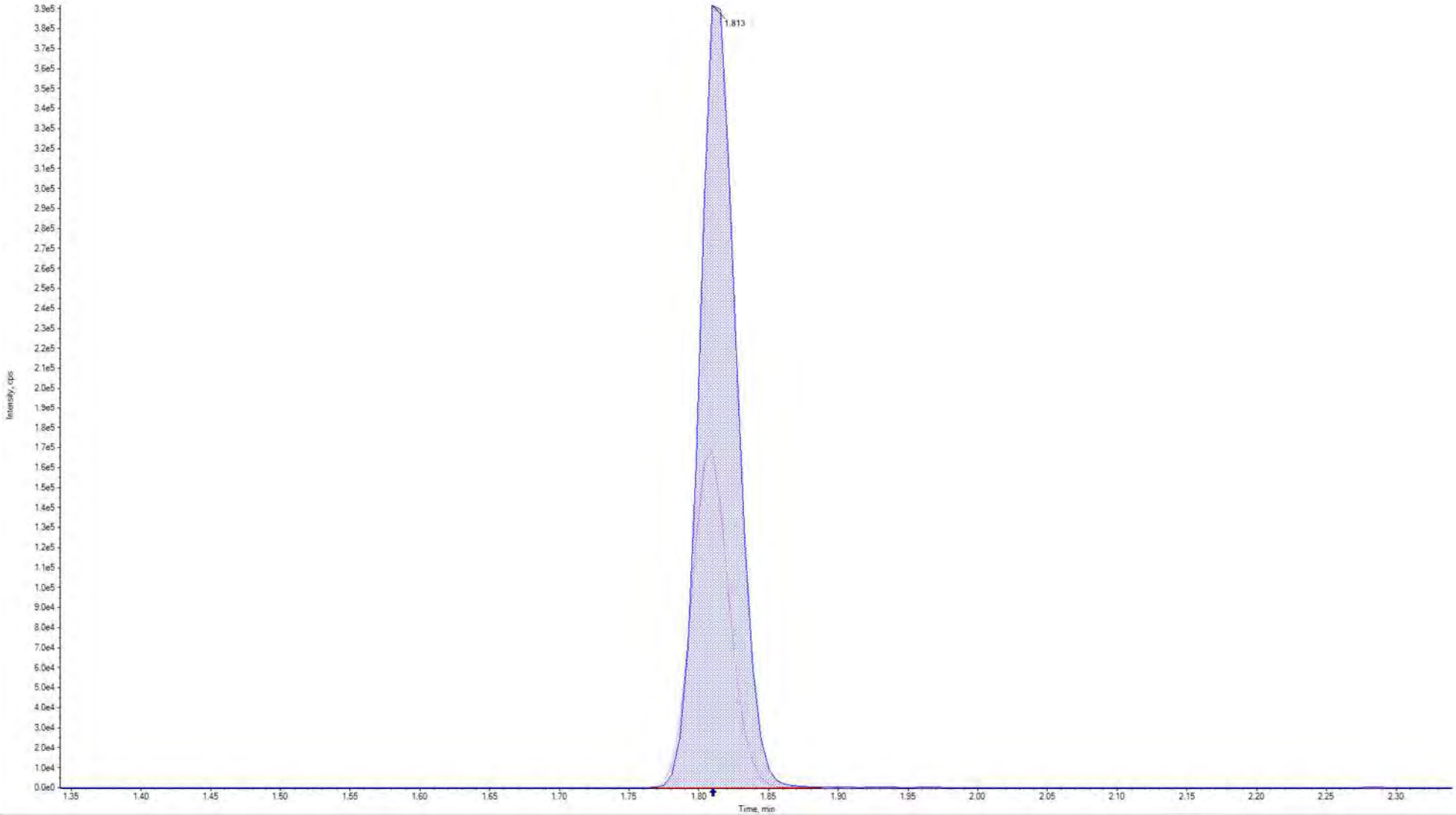
PFHxA_2
Sample: IA1633STD-62.5 S/N:9816.7 Points Across peak:25



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PFHpA
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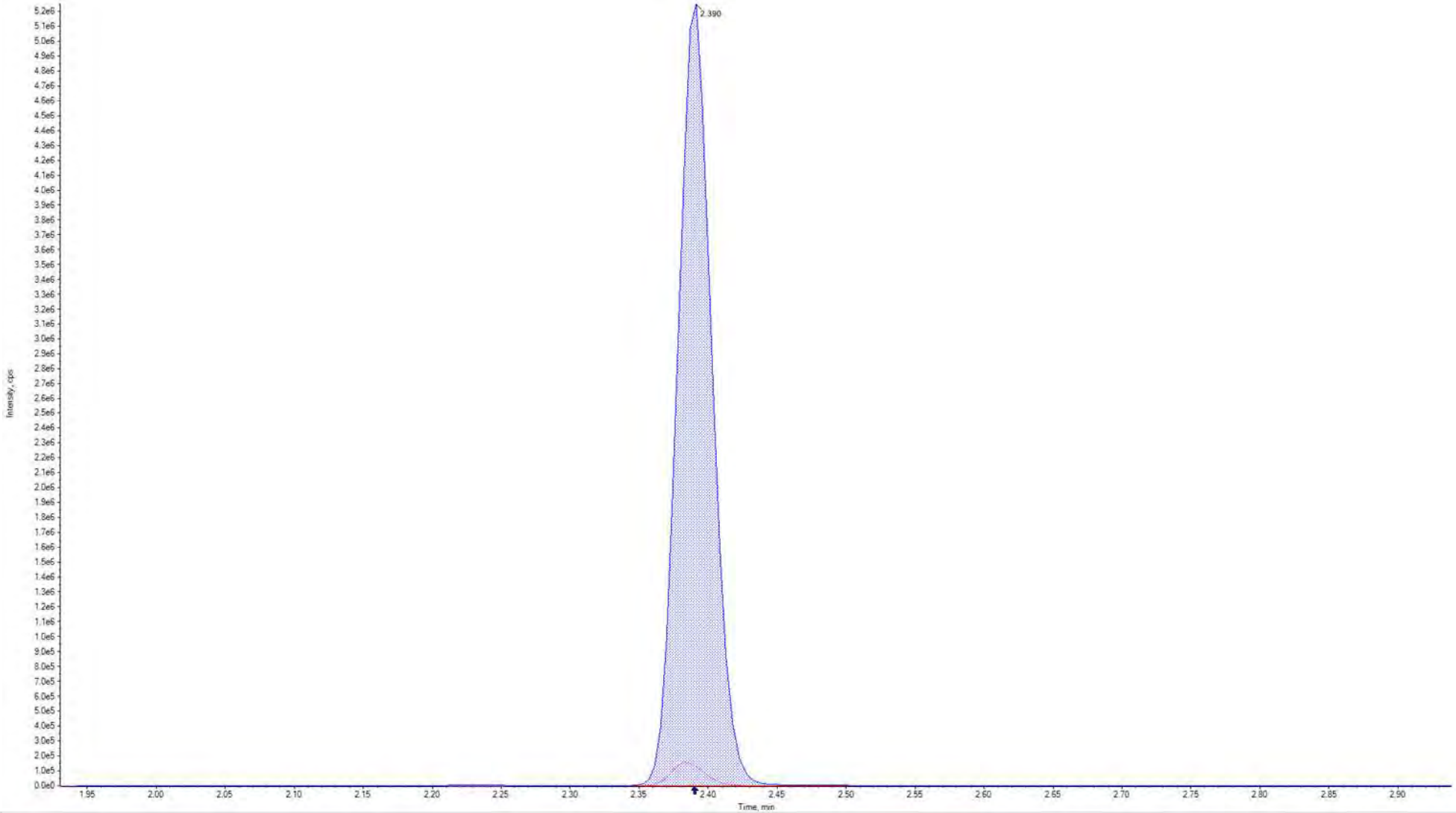

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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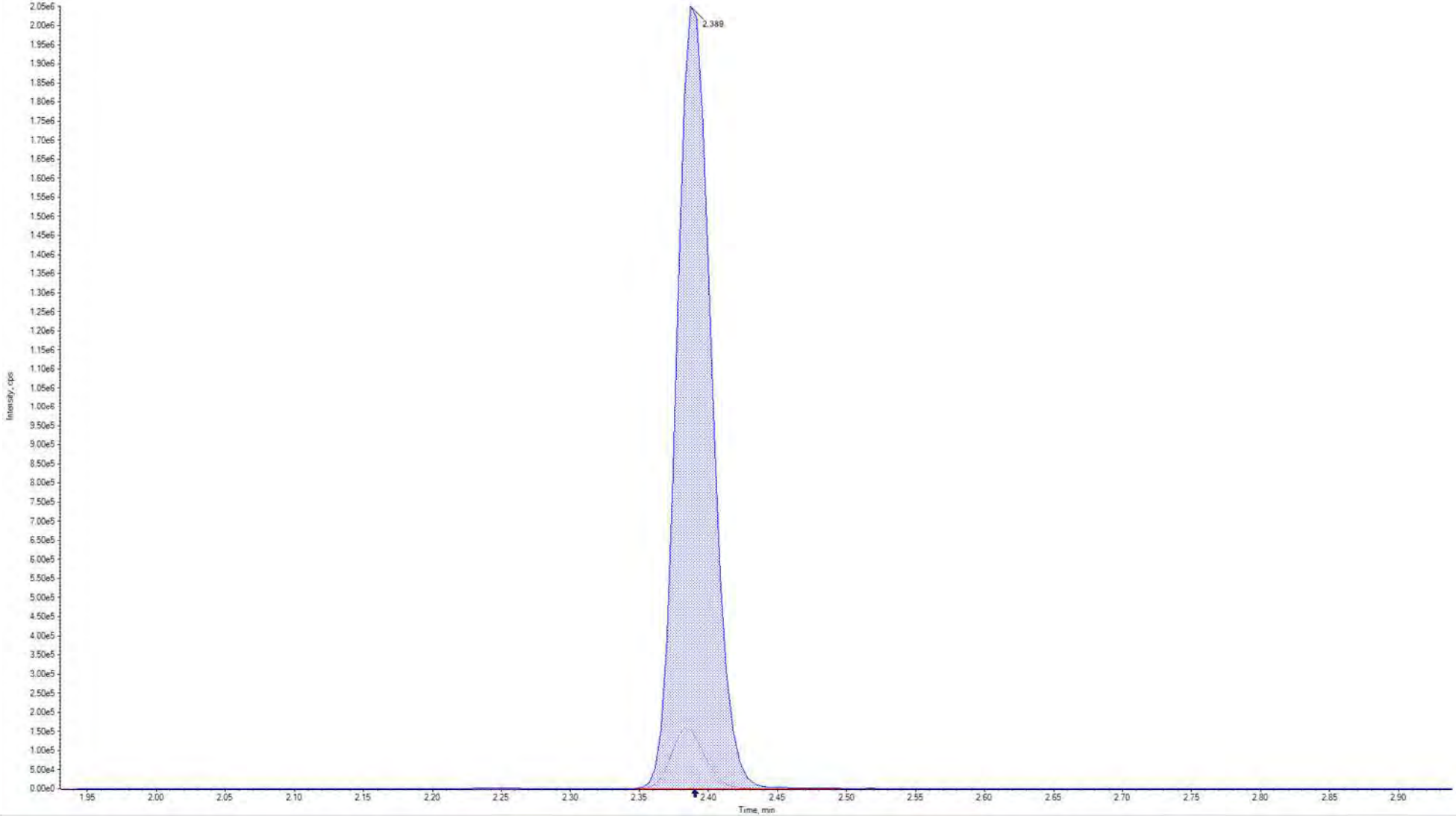
PFHpA_2
Sample: IA1633STD-62.5 S/N:41125.0 Points Across peak:50



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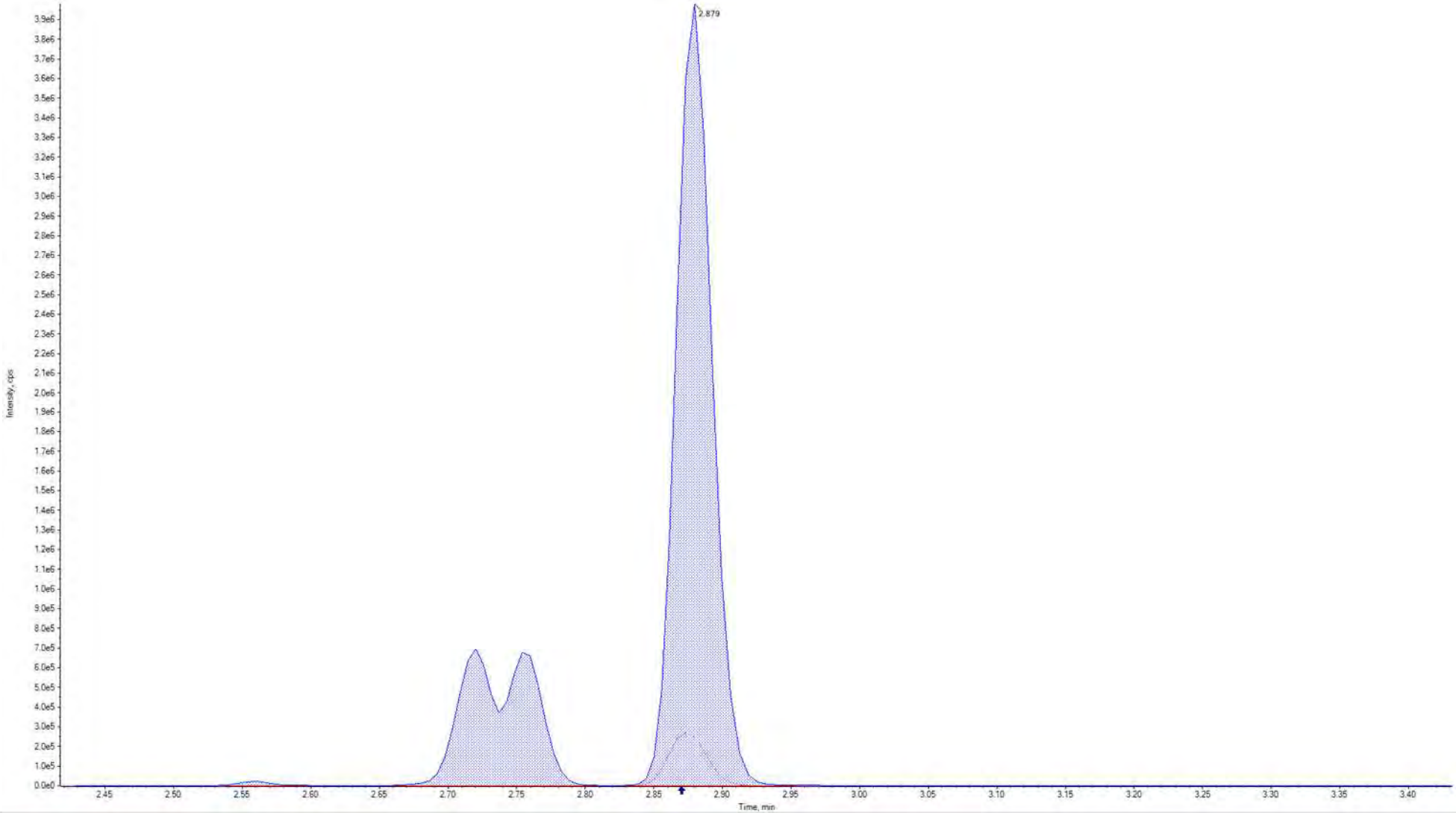
PFOA
Sample: IA1633STD-62.5 S/N:1021.5 Points Across peak:72



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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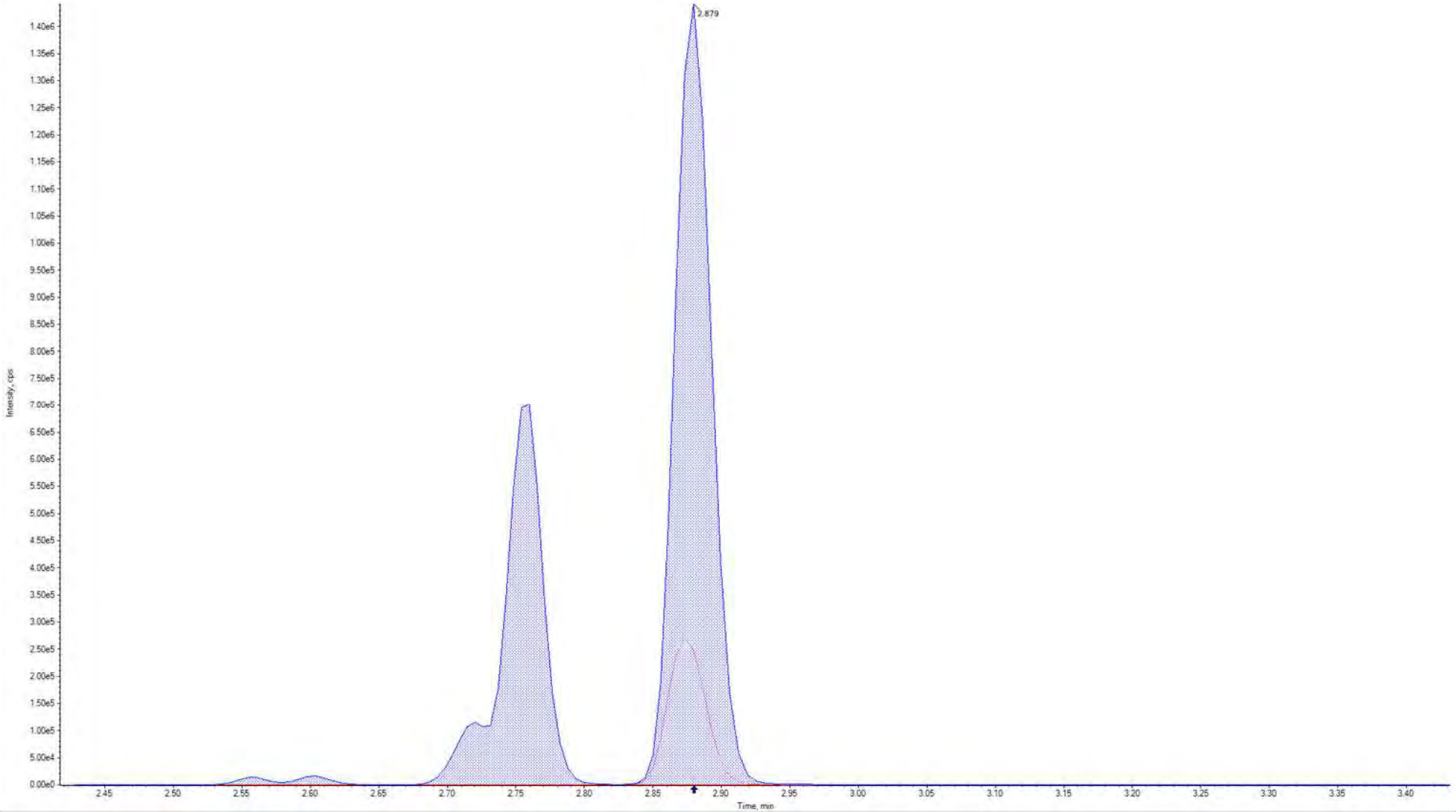
PFOA_2
Sample: IA1633STD-62.5 S/N:608.9 Points Across peak:71



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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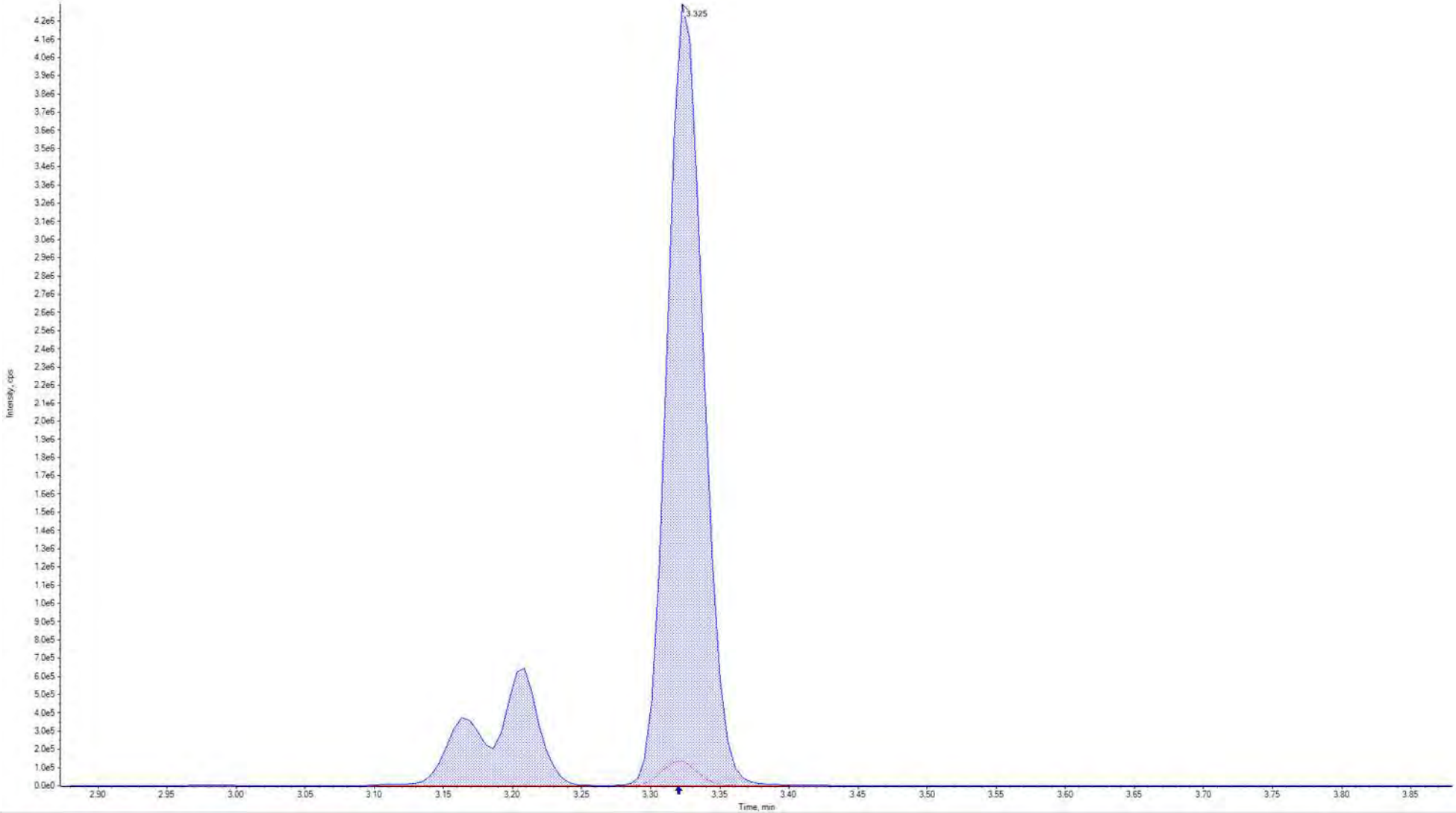
PFNA
Sample: IA1633STD-62.5 S/N:1181.6 Points Across peak:58



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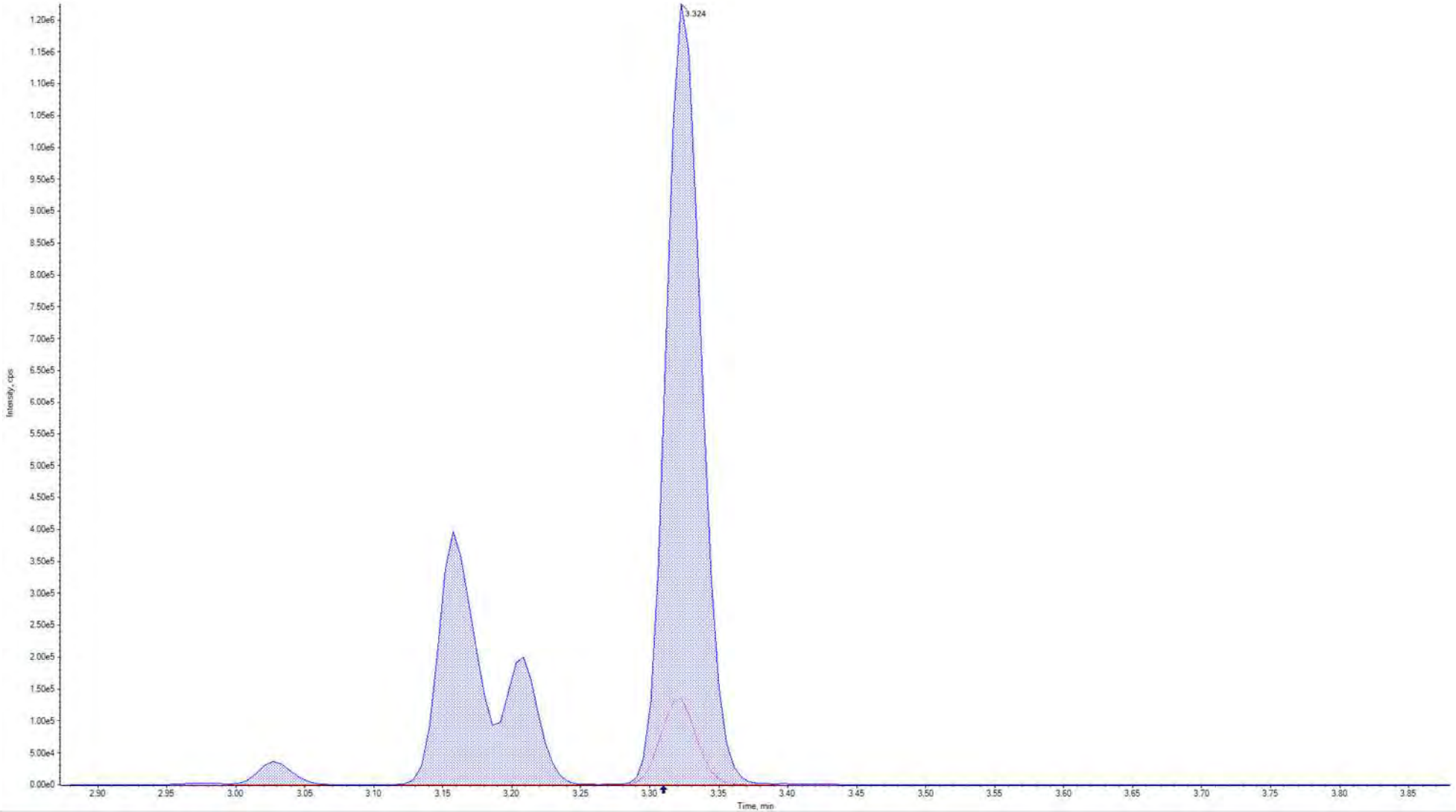
PFNA_2
Sample: IA1633STD-62.5 S/N:572.9 Points Across peak:74



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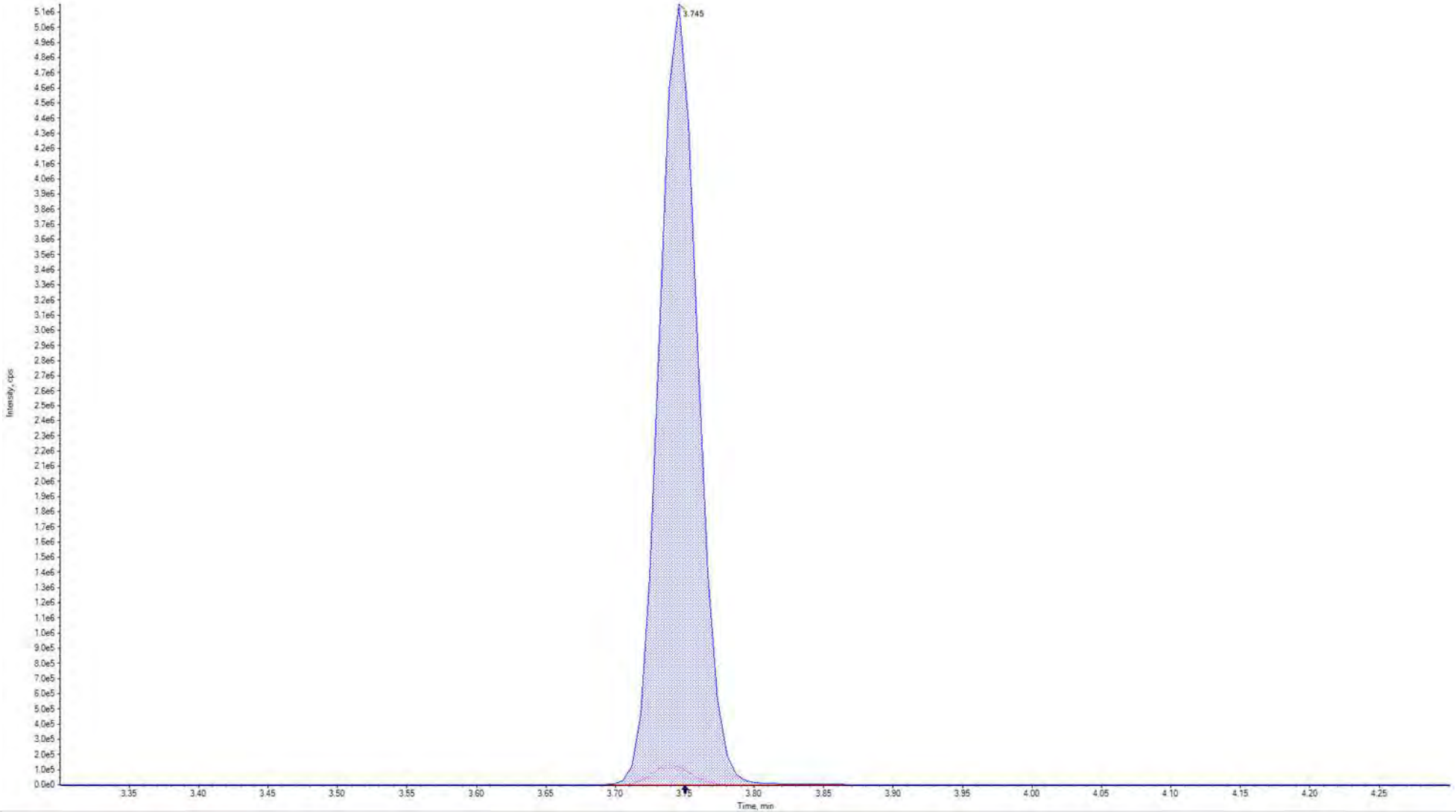
PFDA
Sample: IA1633STD-62.5 S/N:21973.6 Points Across peak:37



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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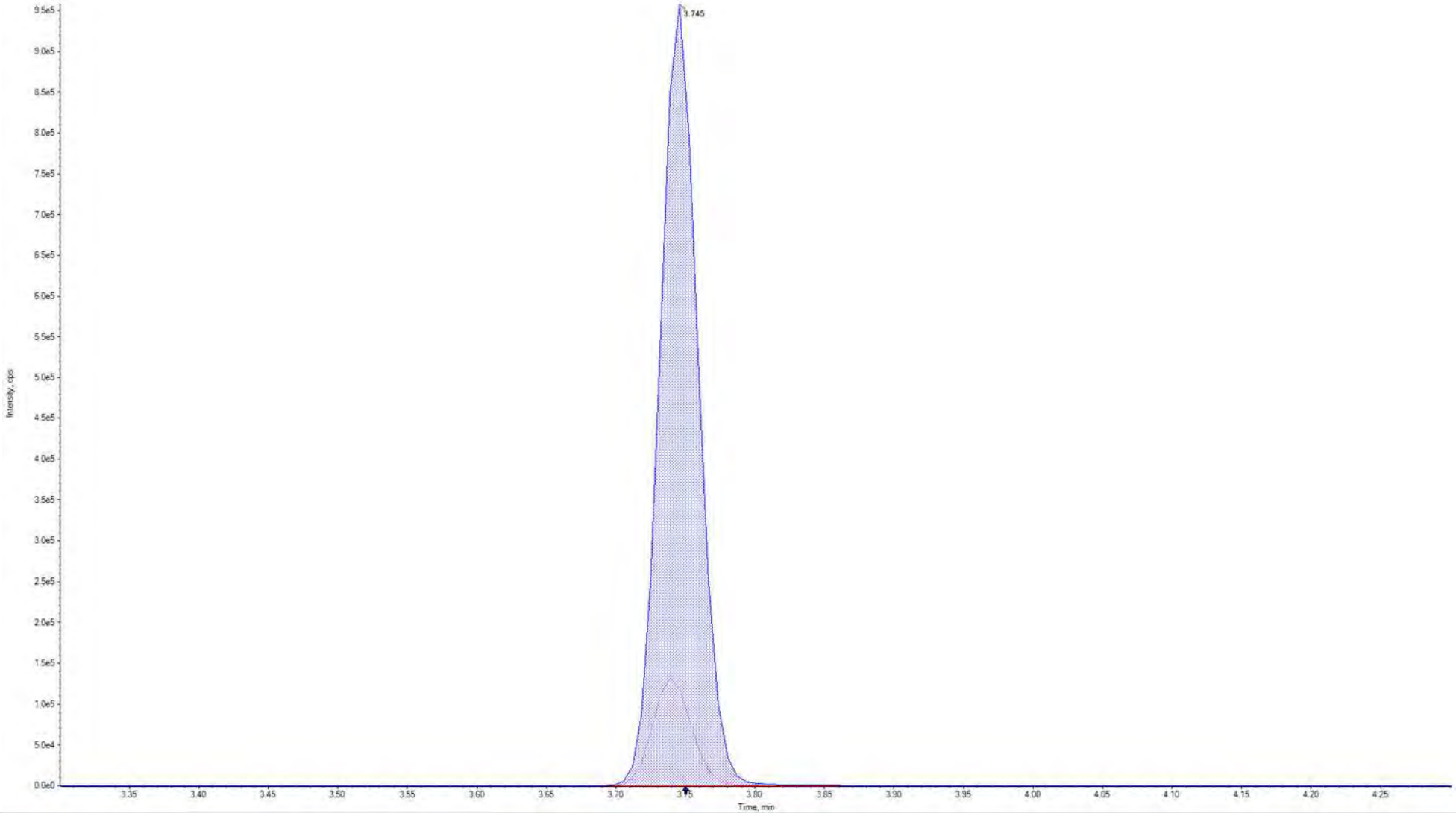
PFDA_2
Sample: IA1633STD-62.5 S/N:19215.1 Points Across peak:36



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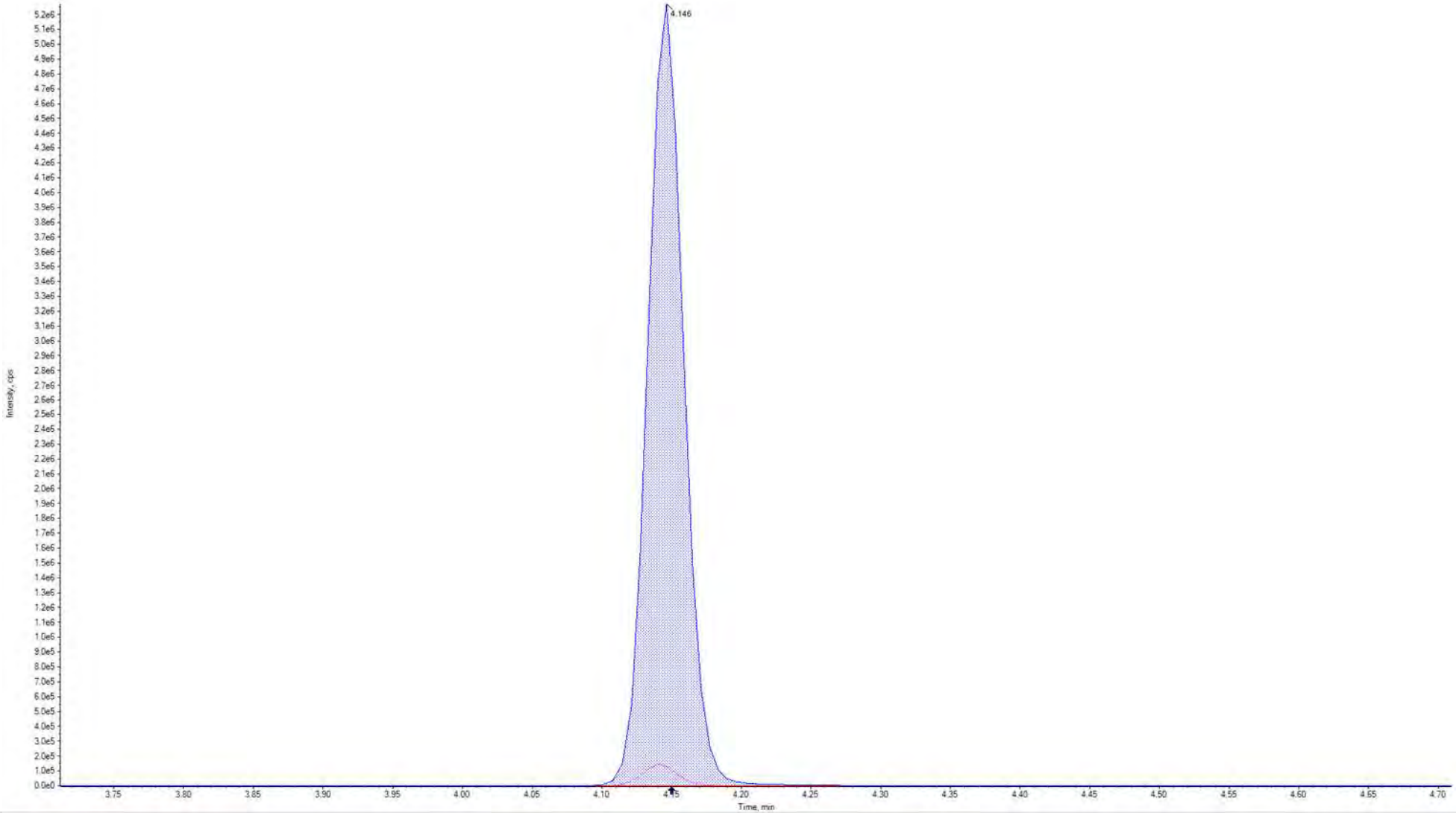
PFUnA
Sample: IA1633STD-62.5 S/N:26449.3 Points Across peak:39



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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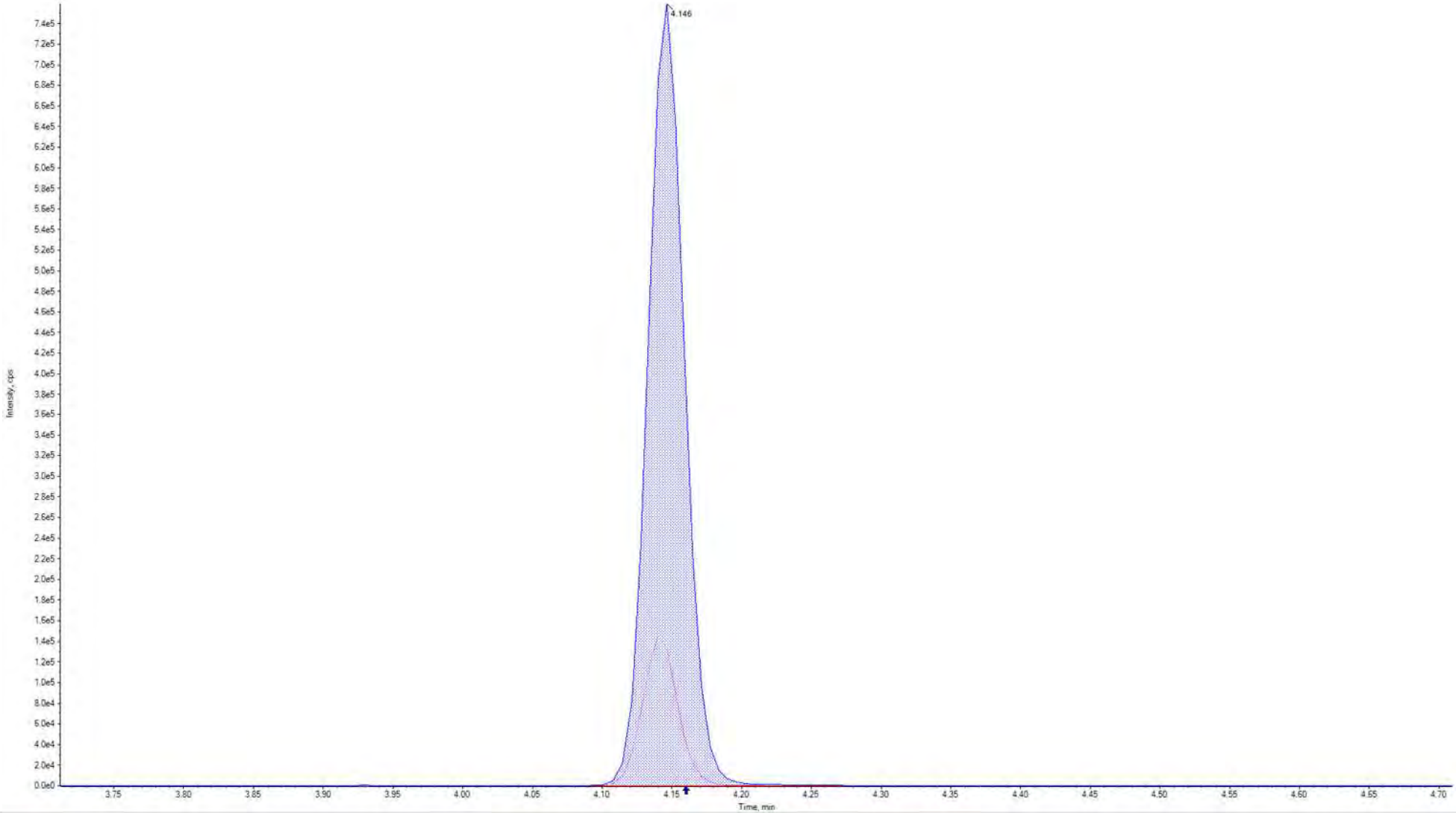
PFUnA_2
Sample: IA1633STD-62.5 S/N:3742.5 Points Across peak:34



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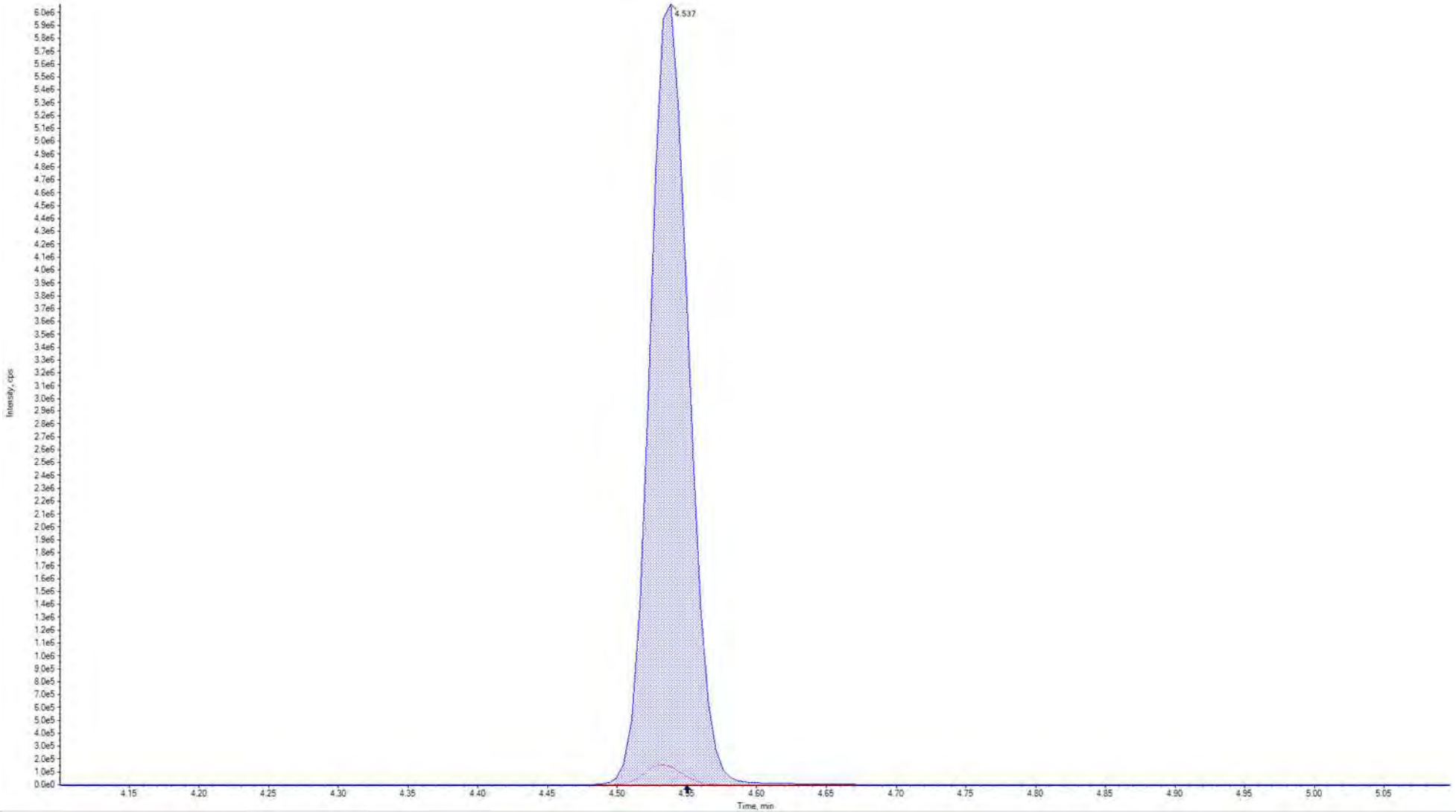
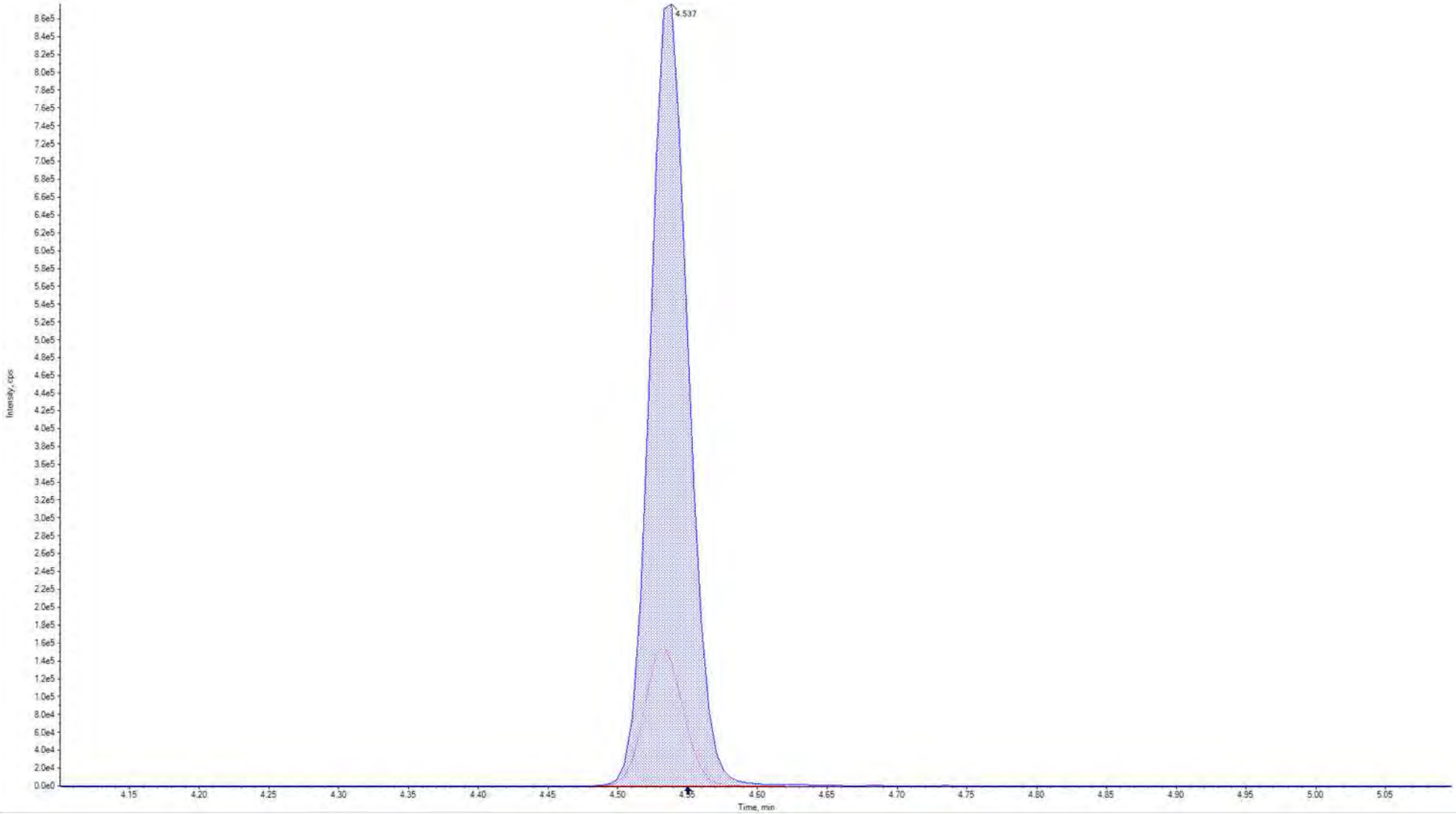
PFDoA
Sample: IA1633STD-62.5 S/N:25795.5 Points Across peak:46



PFDoA_2
Sample: IA1633STD-62.5 S/N:24170.1 Points Across peak:29



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Alpha Analytical LLC
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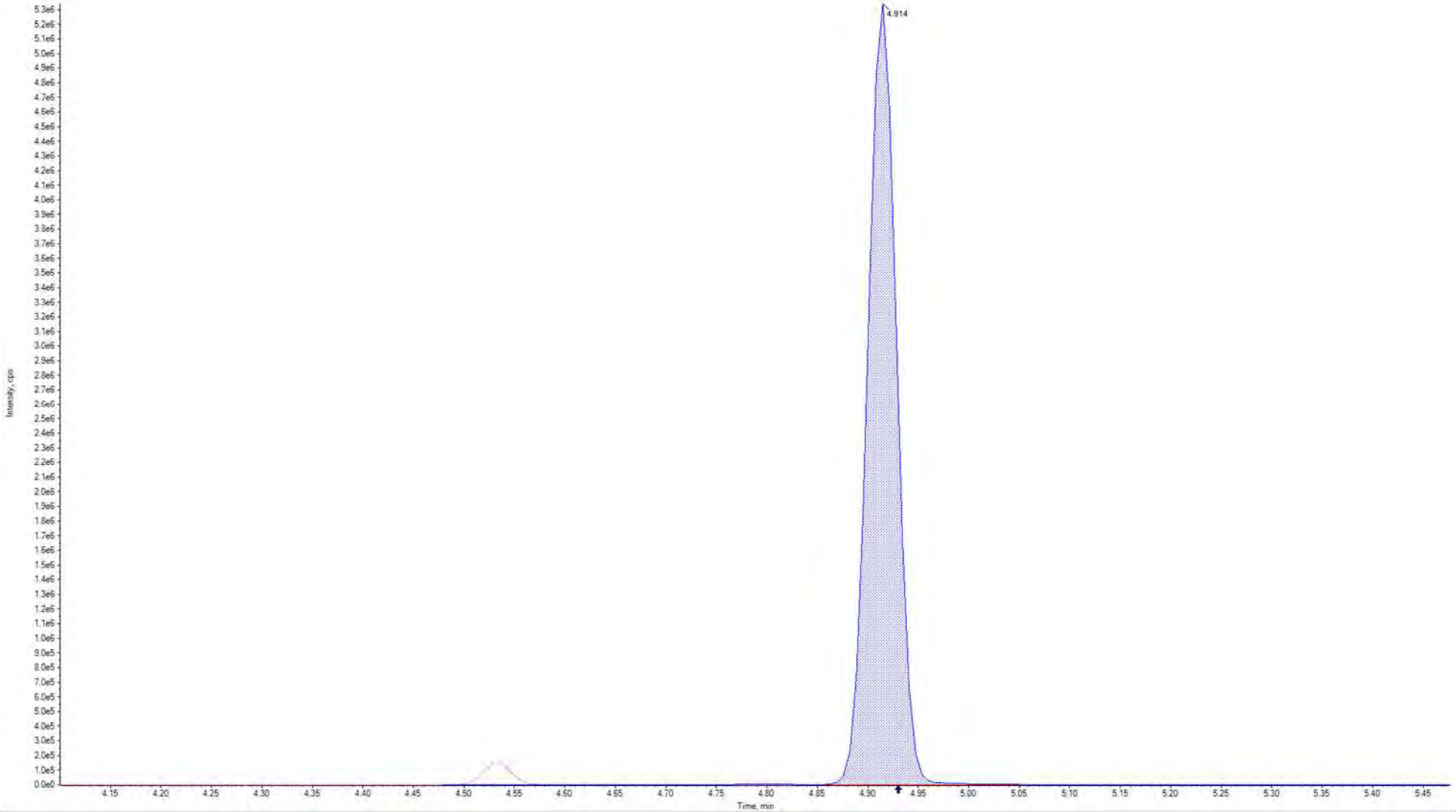
PFTrDA
Sample: IA1633STD-62.5 S/N:14210.4 Points Across peak:45



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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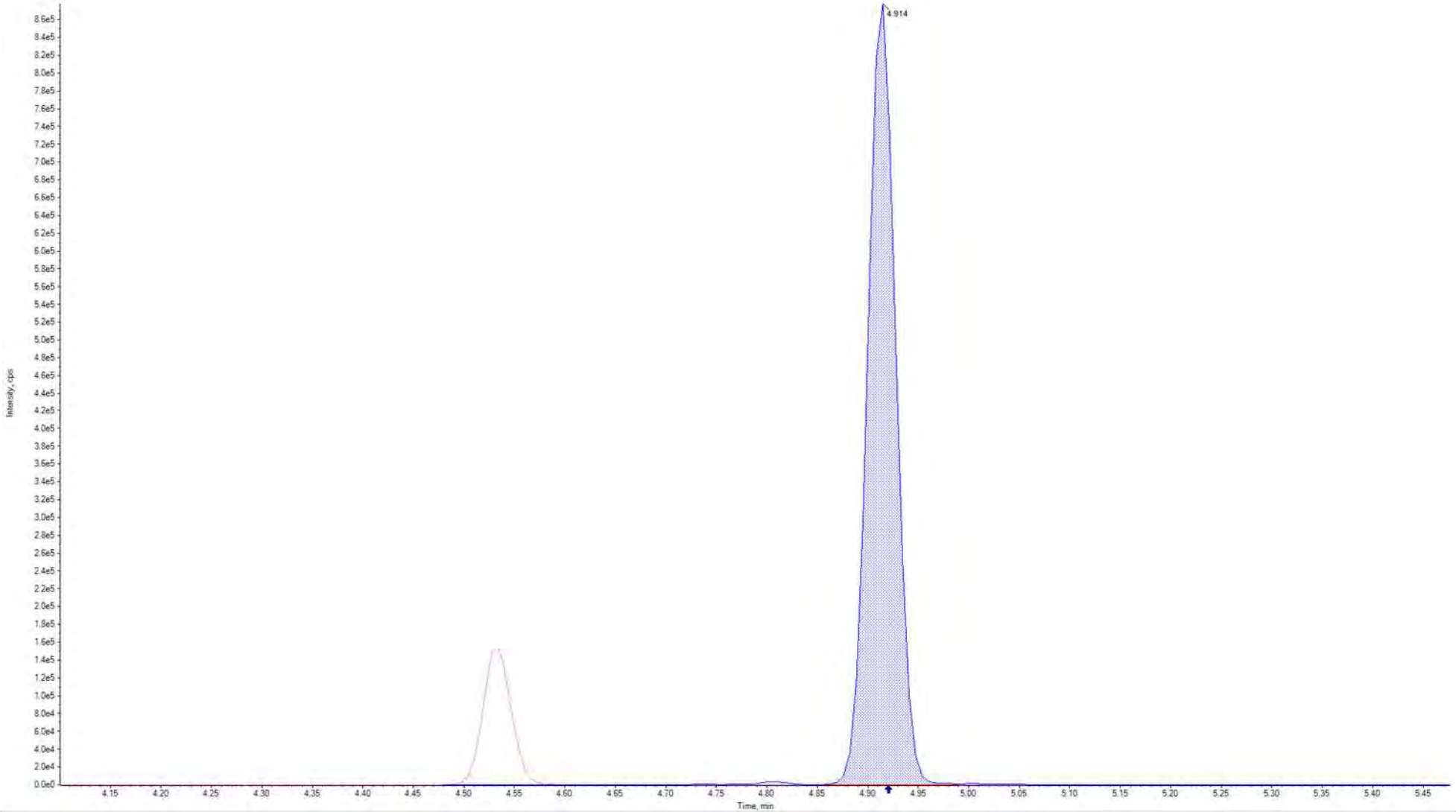
PFTrDA_2
Sample: IA1633STD-62.5 S/N:35195.2 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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PFTeDA
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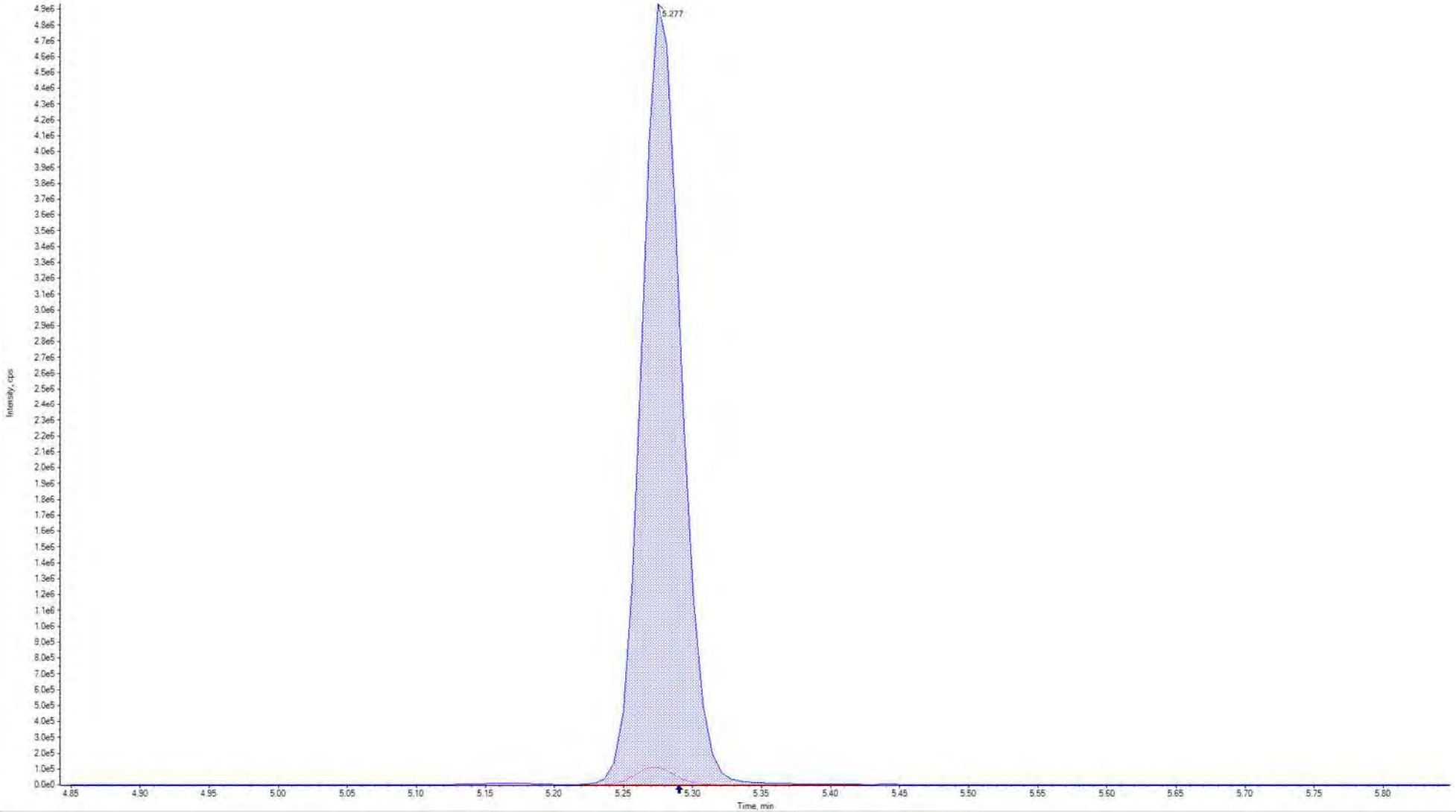

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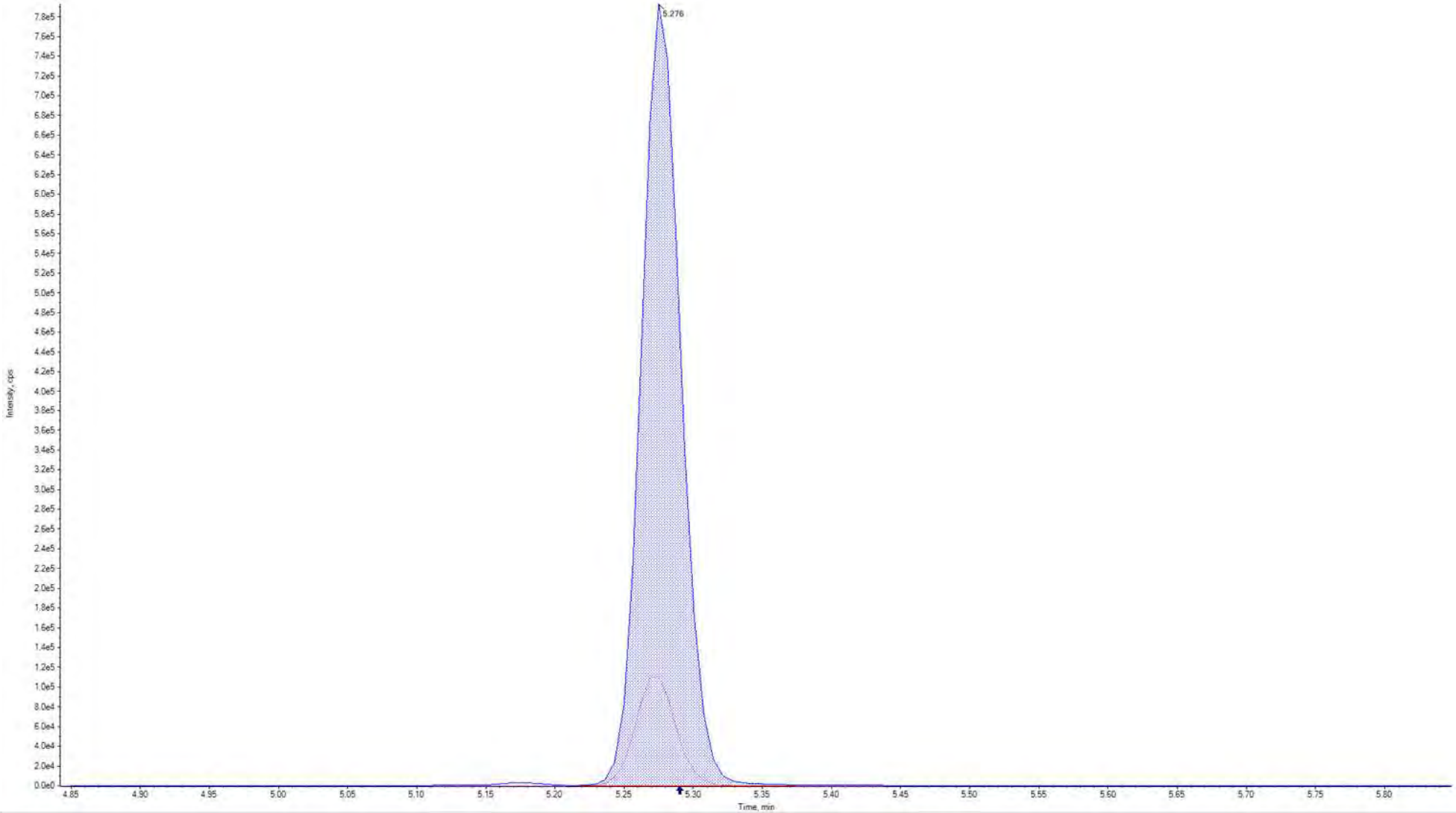
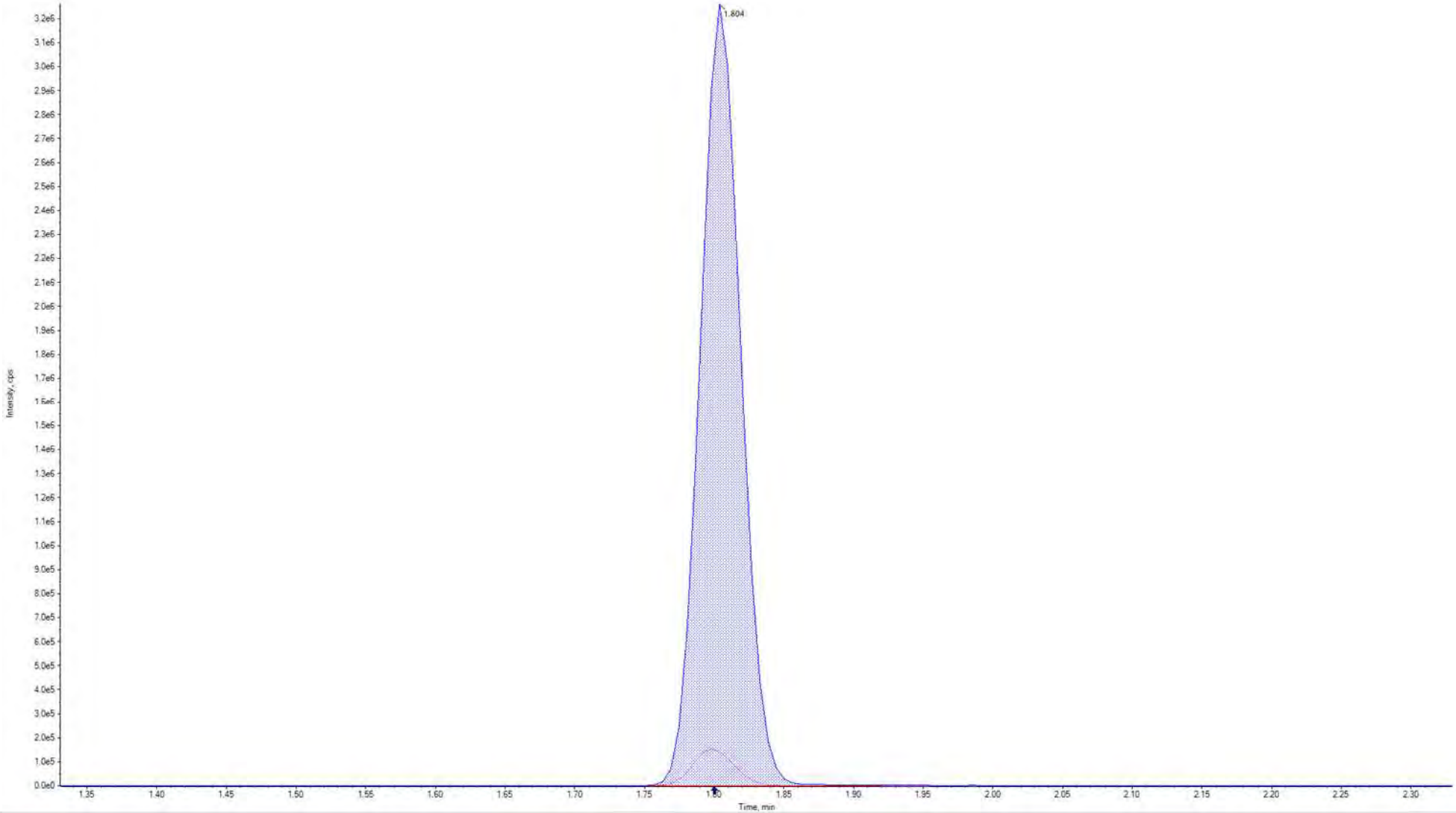
PFTeDA_2
Sample: IA1633STD-62.5 S/N:23201.8 Points Across peak:24



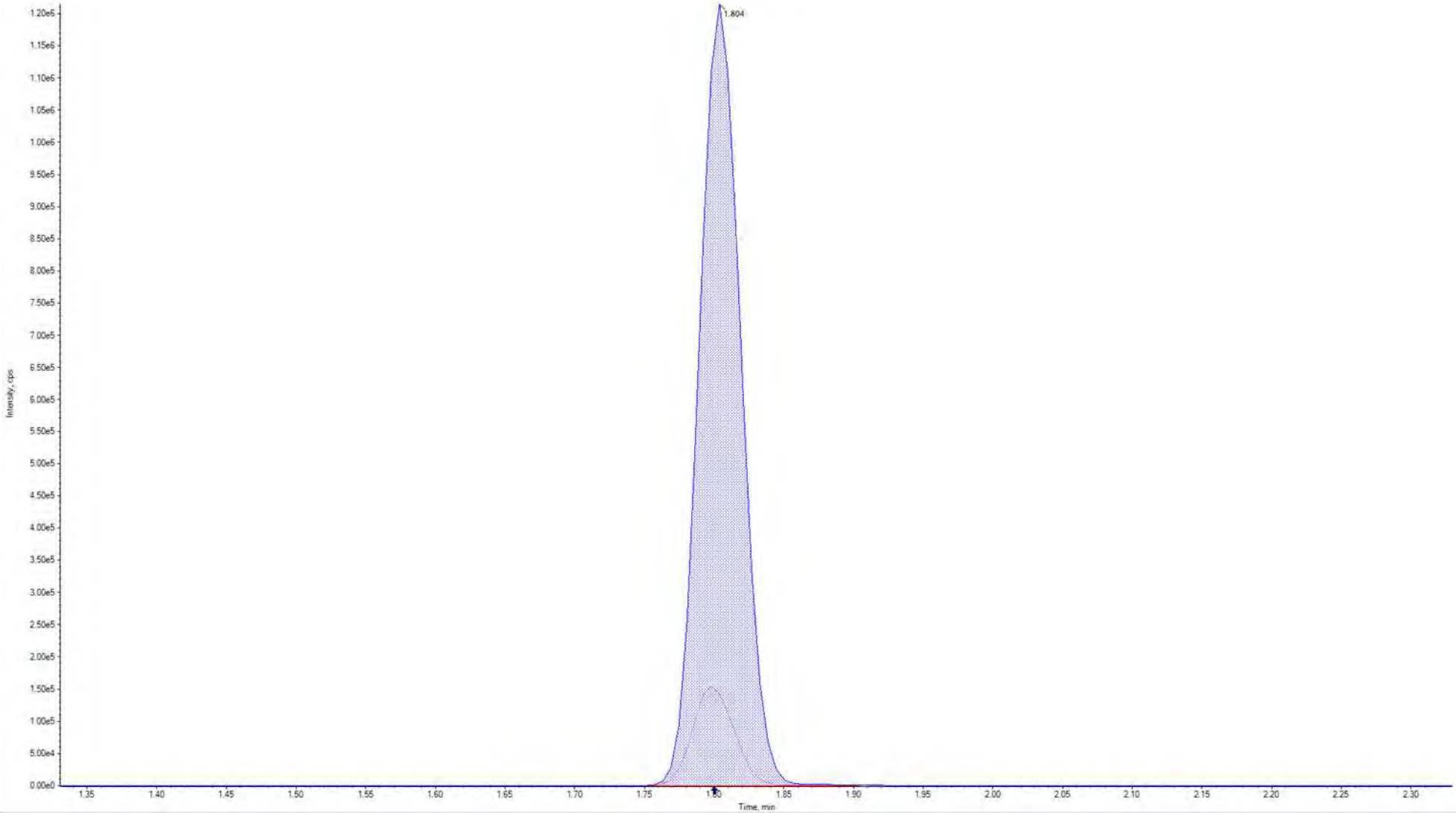
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFBS
Sample: IA1633STD-62.5 S/N:6065.5 Points Across peak:32



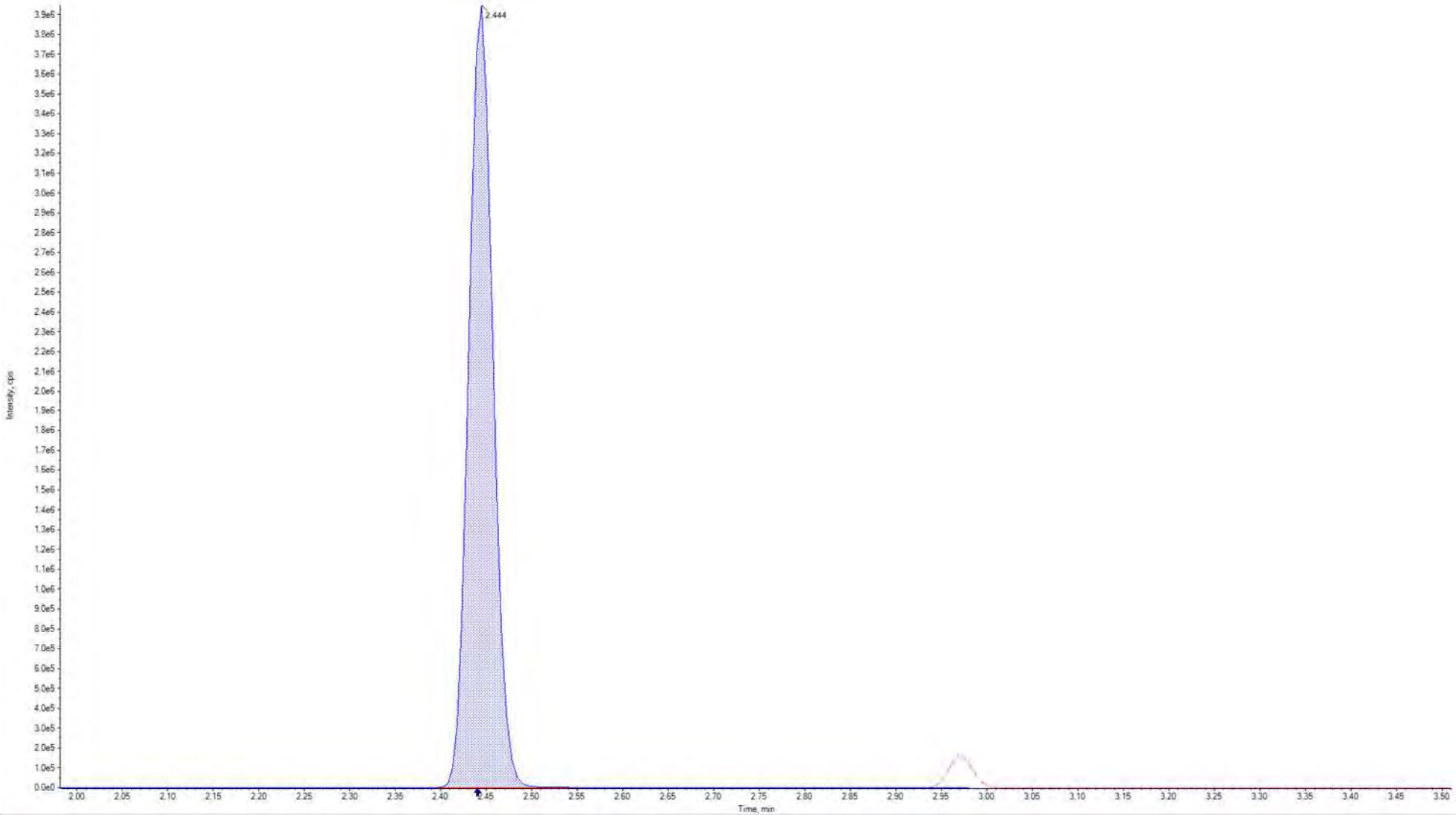
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFBS_2
Sample: IA1633STD-62.5 S/N:30456.6 Points Across peak:31



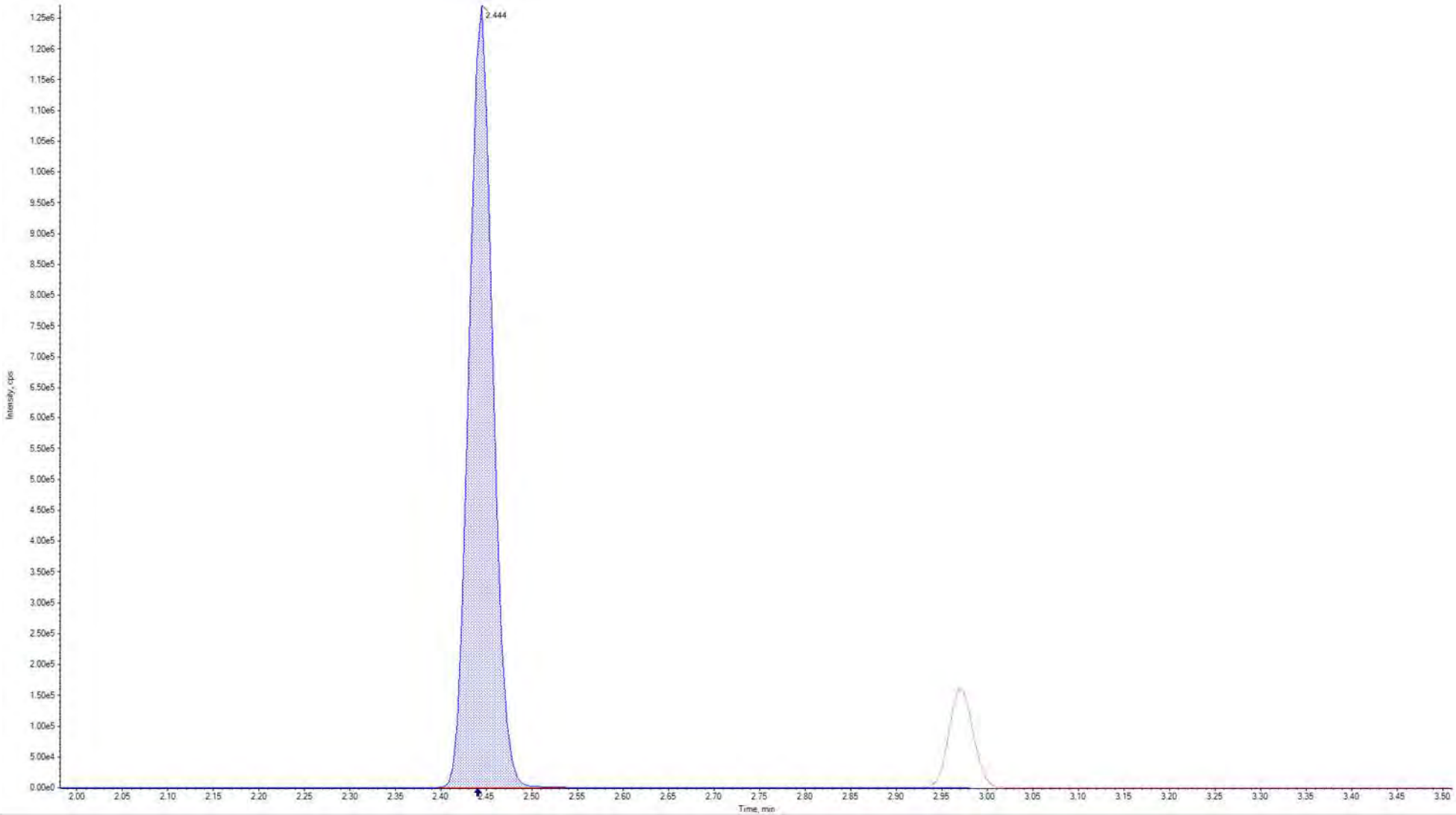
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFPeS
Sample: IA1633STD-62.5 S/N:30520.1 Points Across peak:36



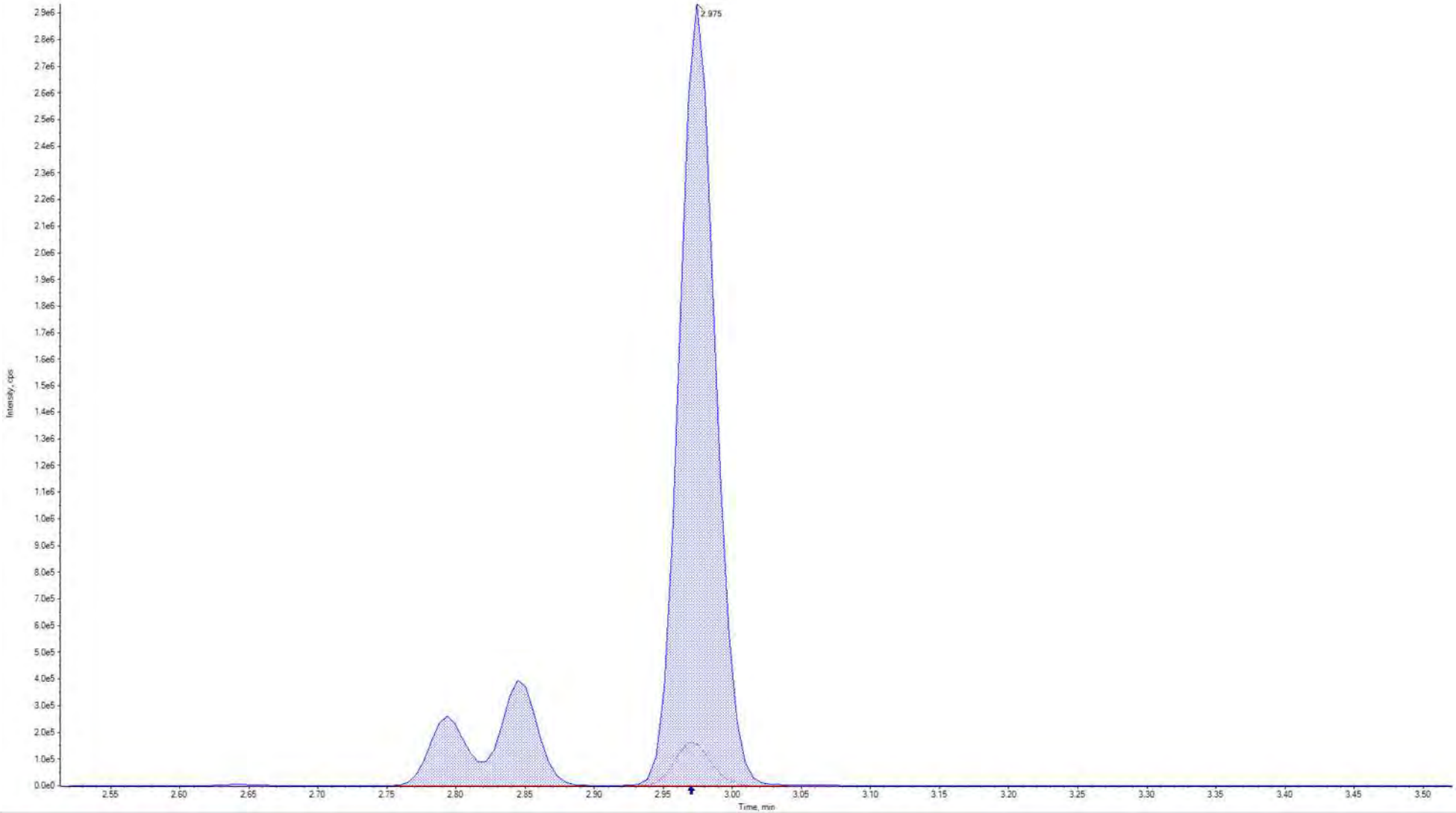
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFPeS_2
Sample: IA1633STD-62.5 S/N:8788.1 Points Across peak:43



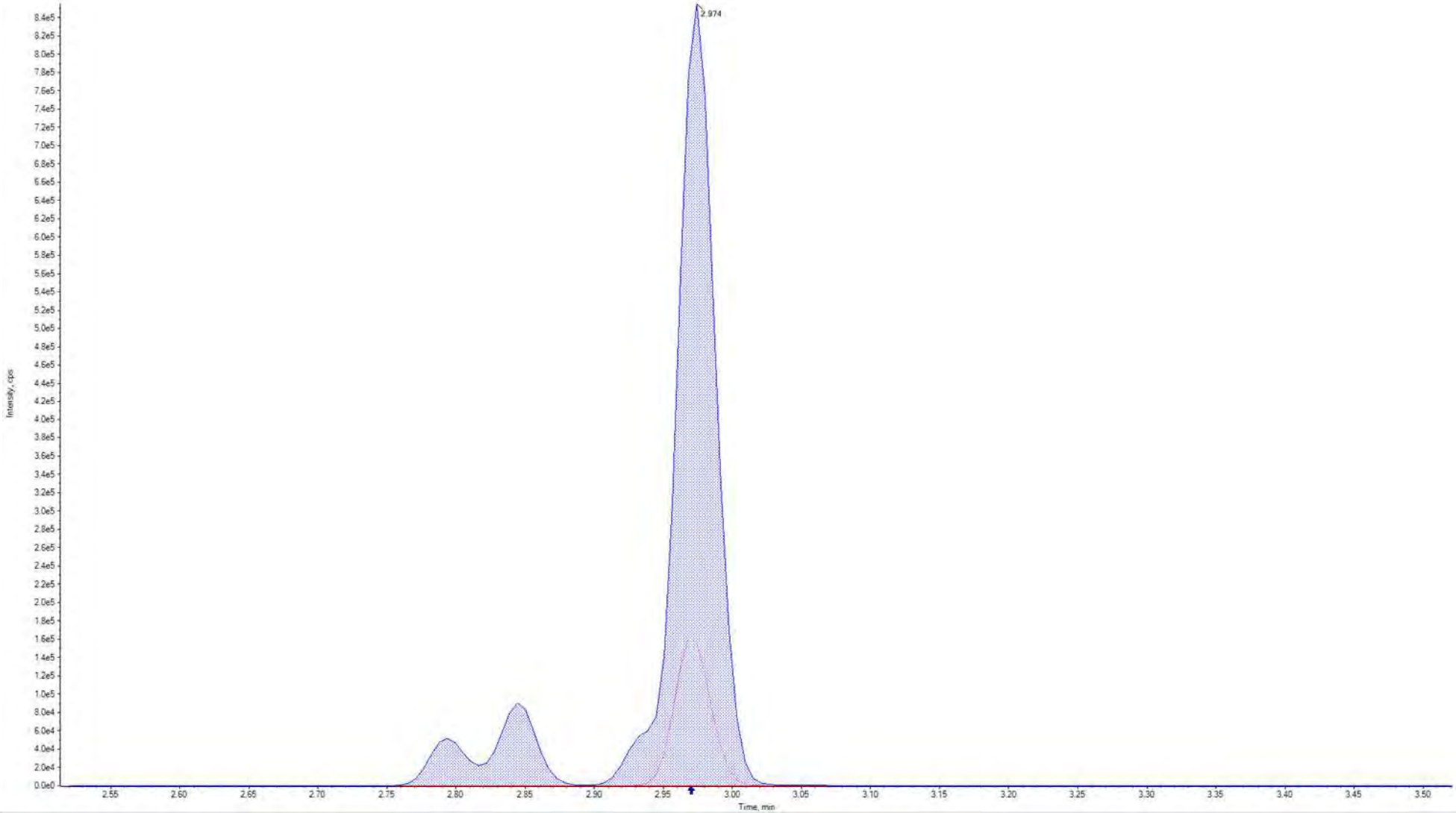
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFHxS
Sample: IA1633STD-62.5 S/N:1206.1 Points Across peak:51



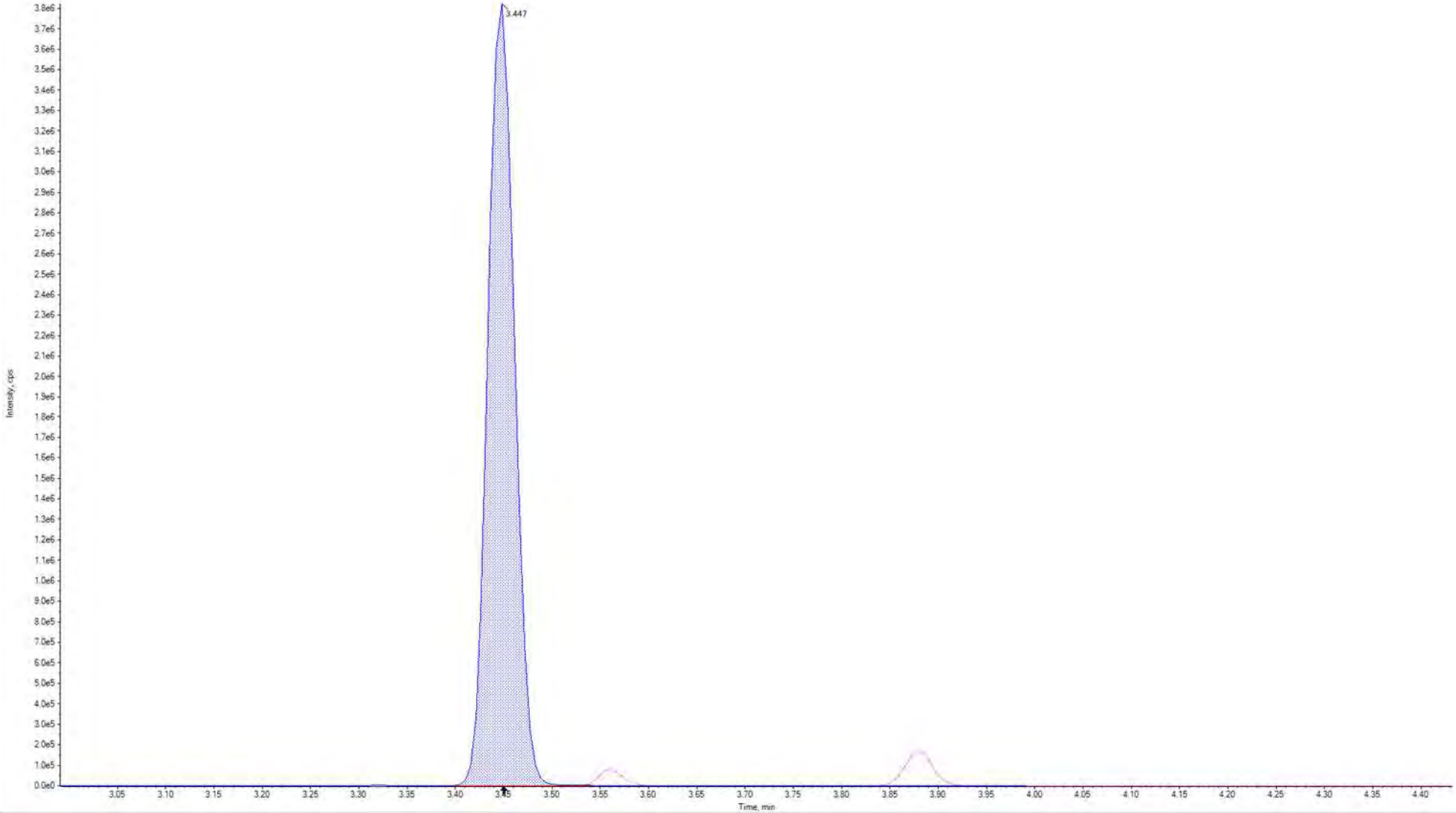
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFHxS_2
Sample: IA1633STD-62.5 S/N:1409.2 Points Across peak:61



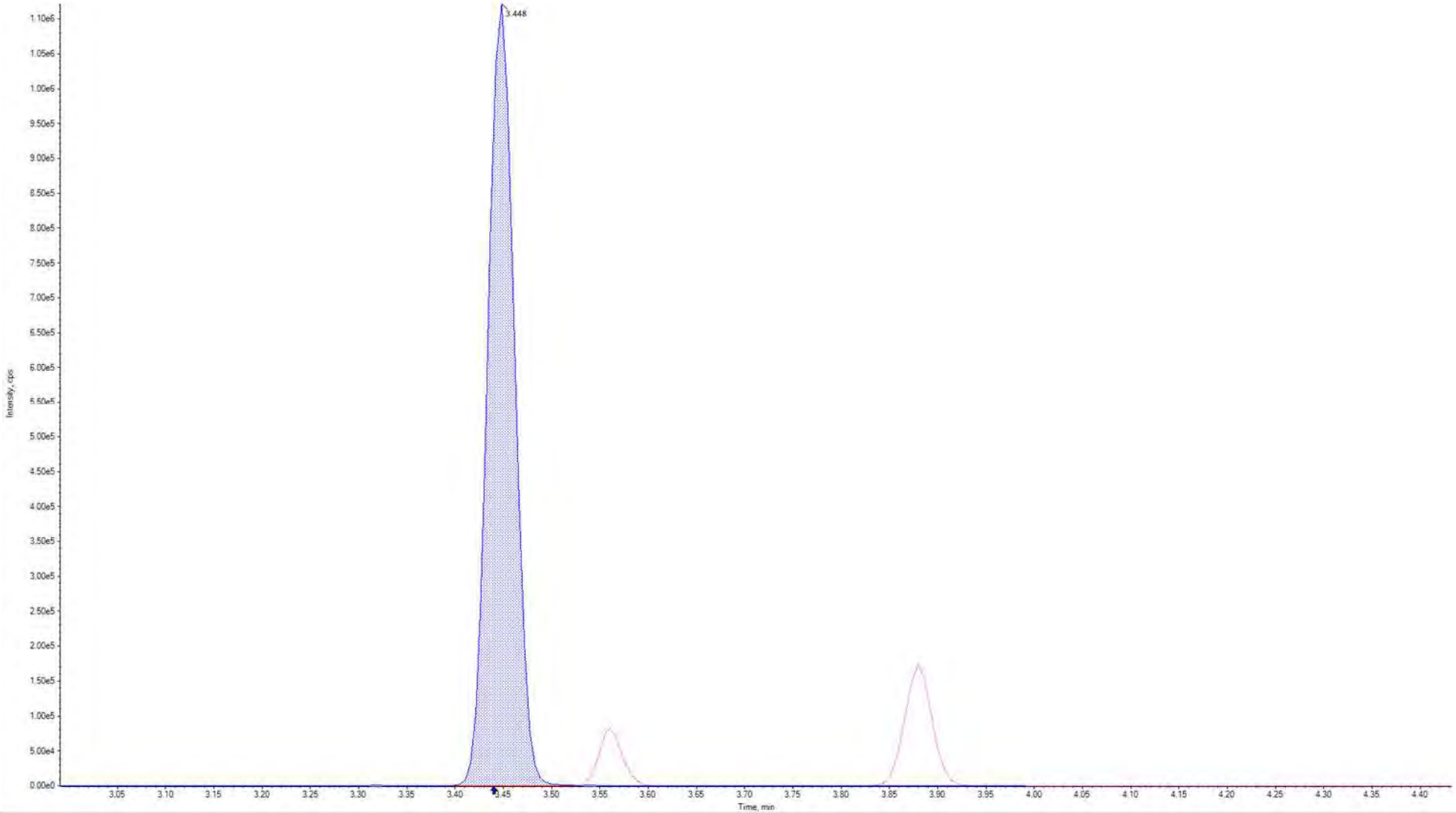
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFHpS
Sample: IA1633STD-62.5 S/N:76623.7 Points Across peak:42



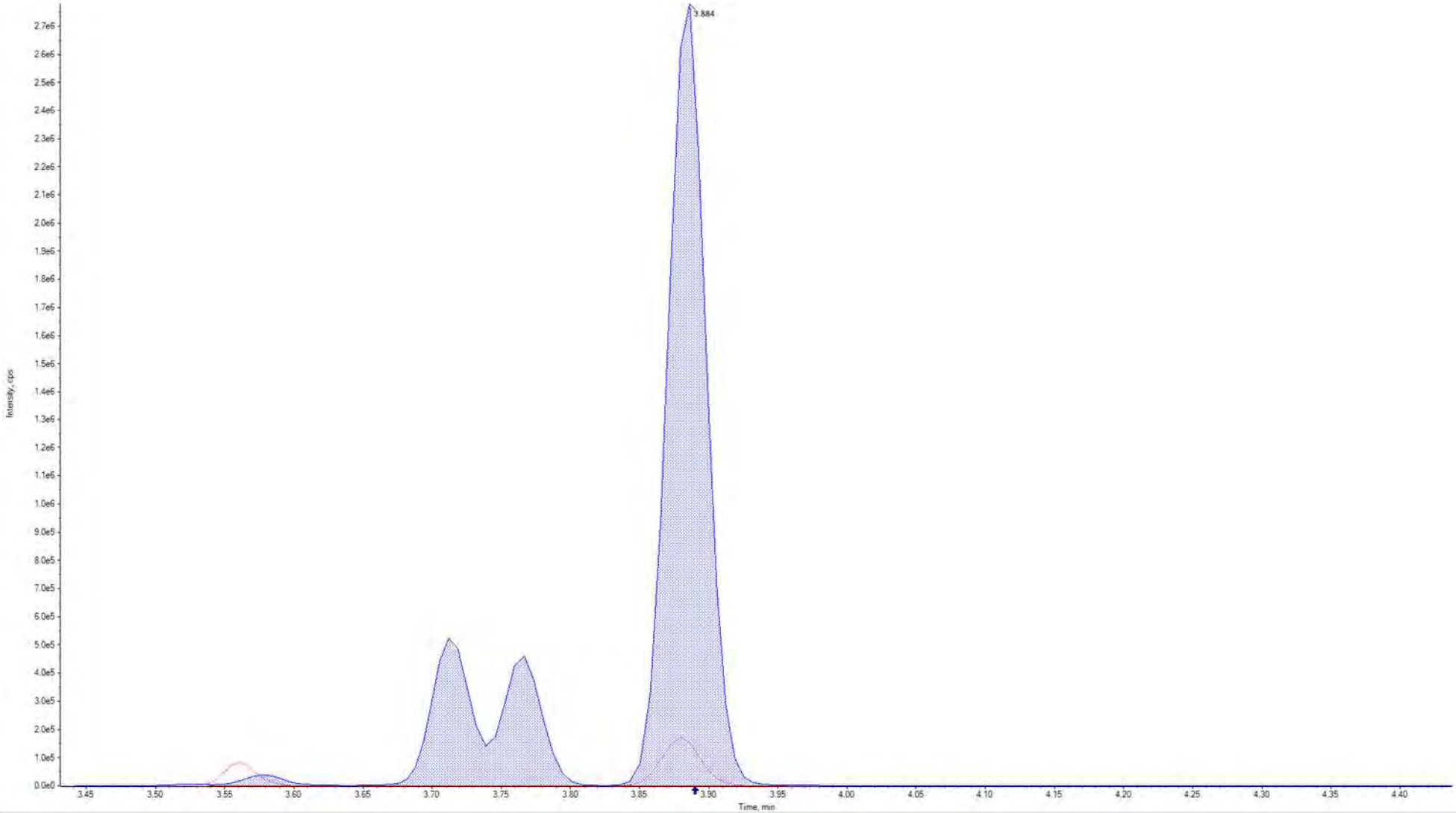
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFHpS_2
Sample: IA1633STD-62.5 S/N:8445.7 Points Across peak:27



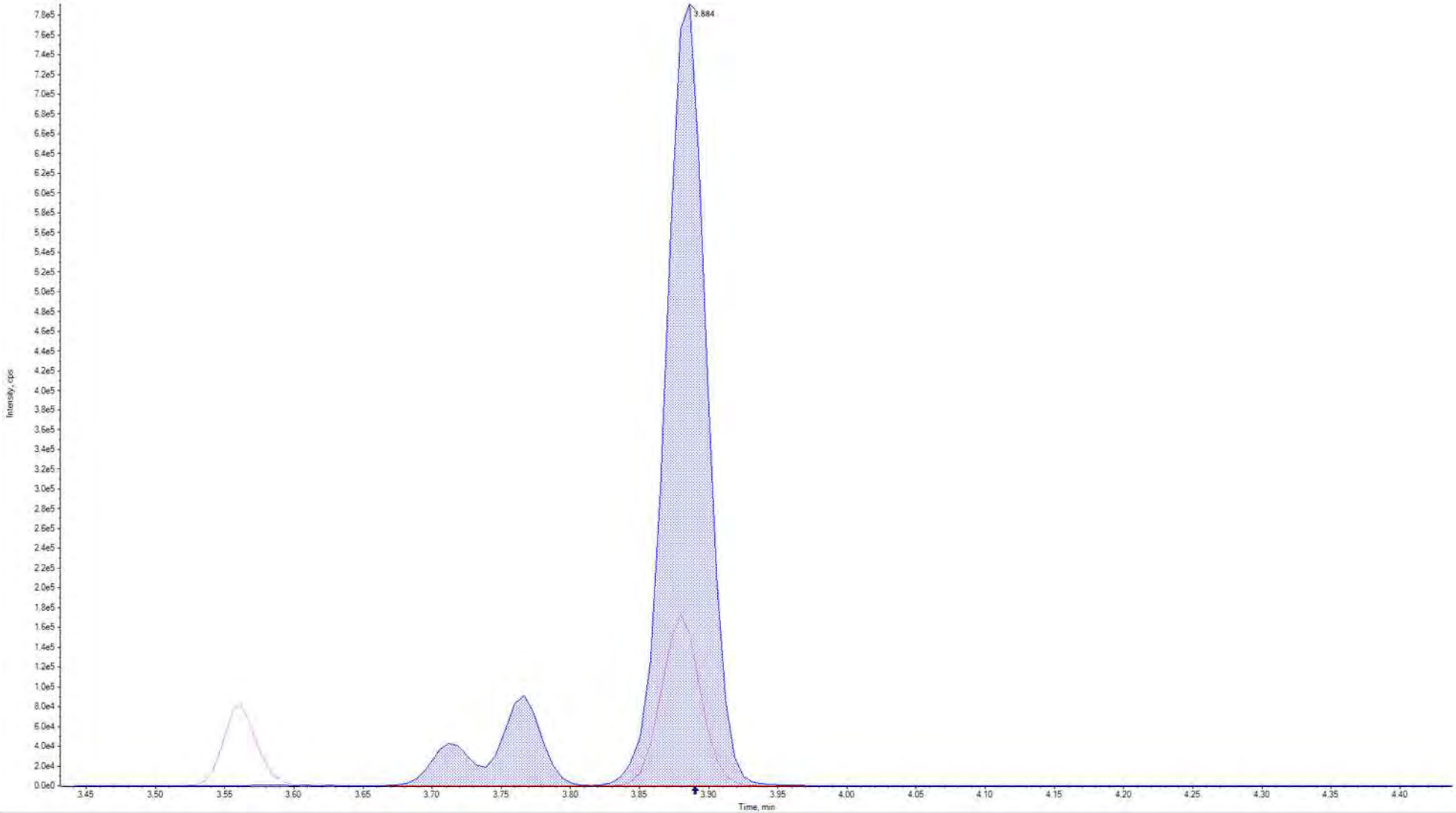
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFOS
Sample: IA1633STD-62.5 S/N:513.1 Points Across peak:70



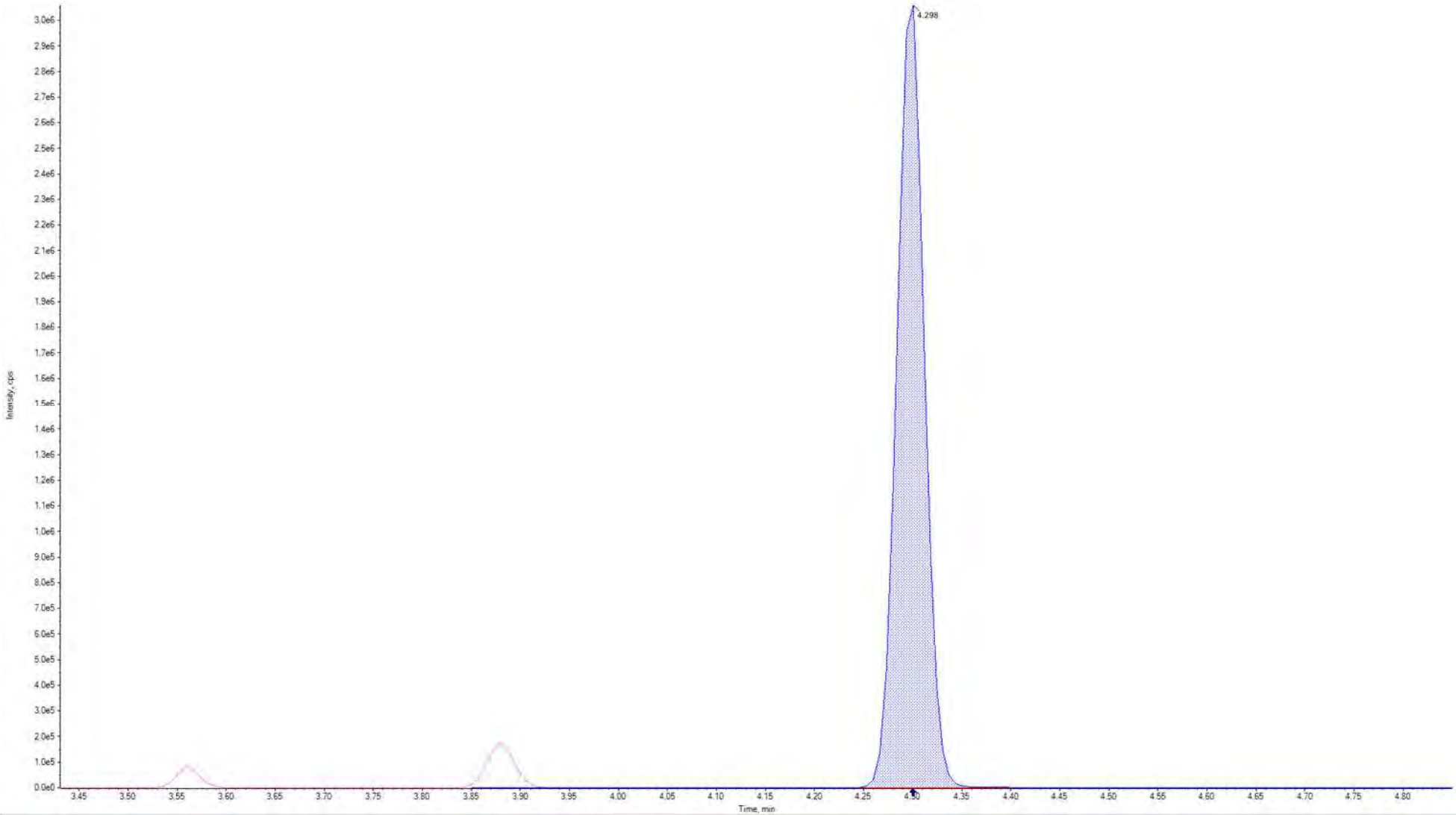
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFOS_2
Sample: IA1633STD-62.5 S/N:1307.6 Points Across peak:53



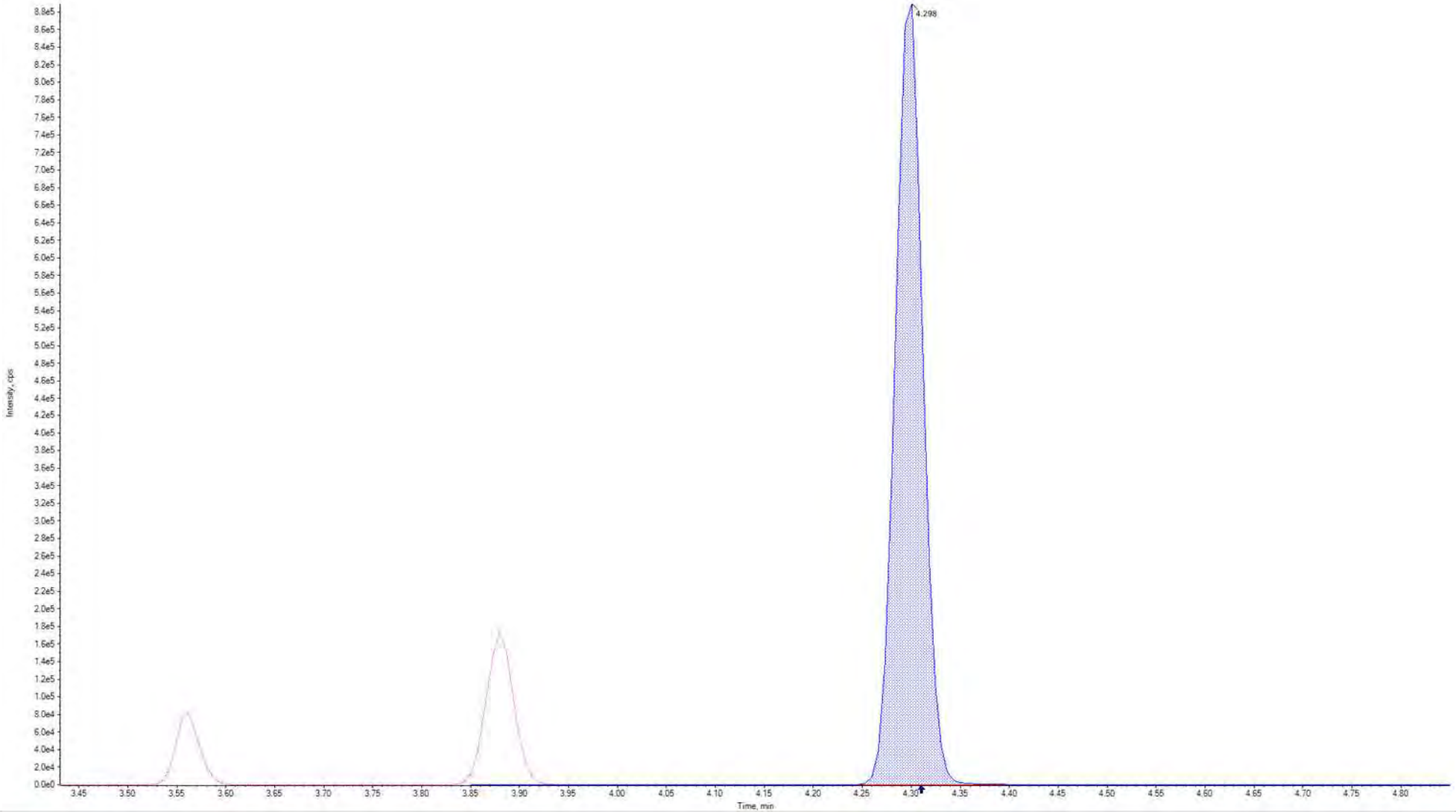
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFNS
Sample: IA1633STD-62.5 S/N:7633.5 Points Across peak:33



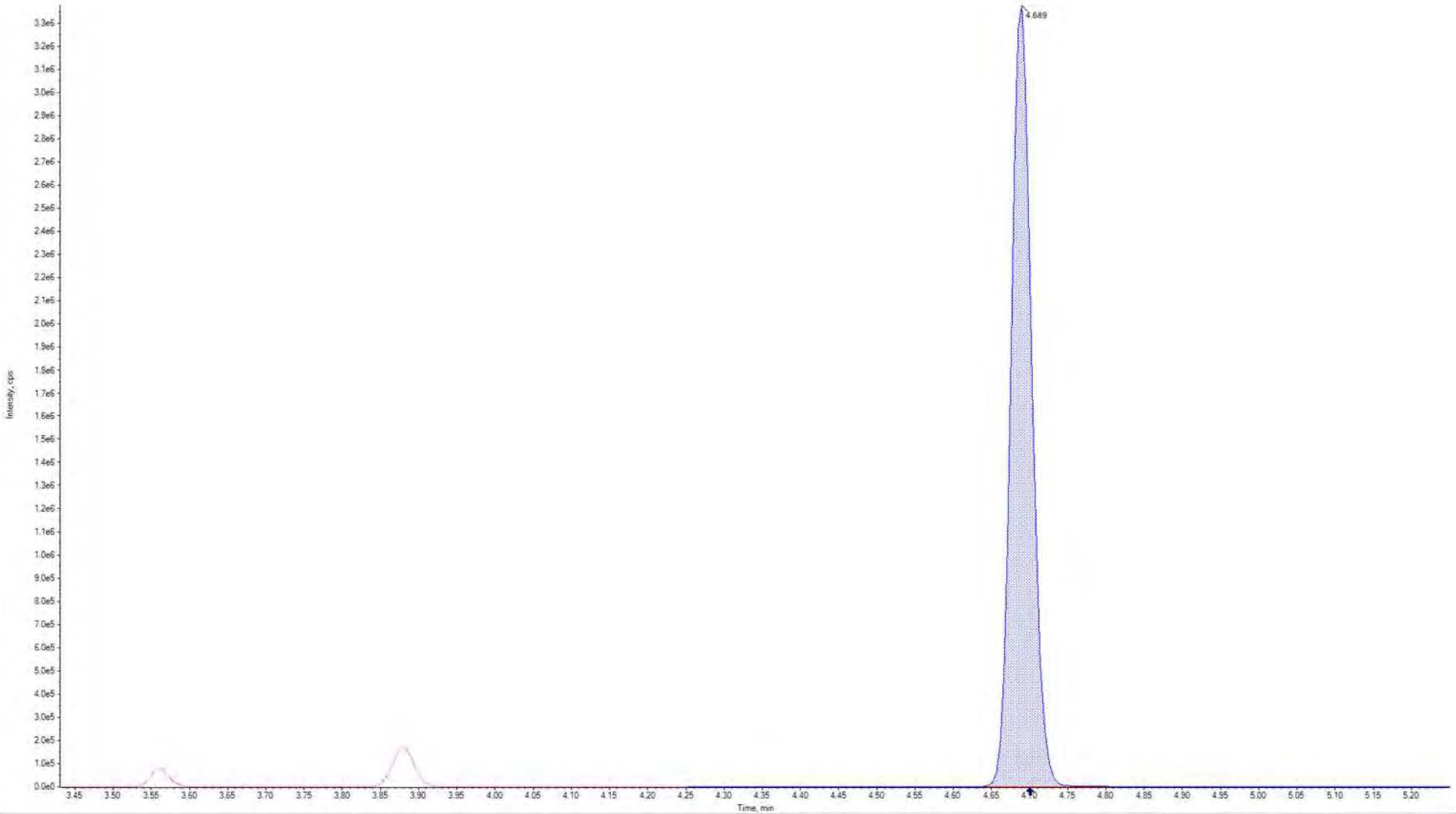
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFNS_2
Sample: IA1633STD-62.5 S/N:8871.2 Points Across peak:35



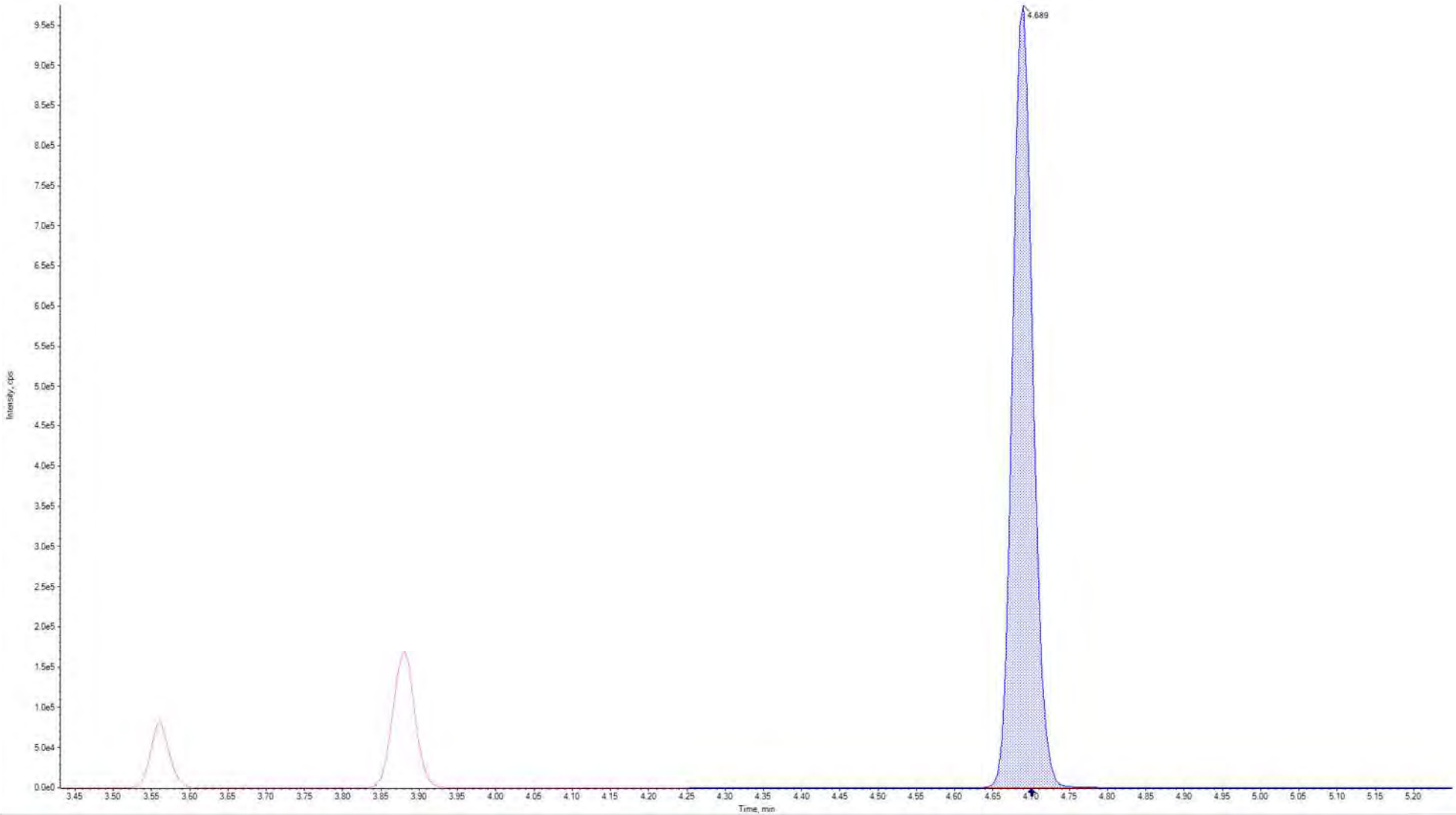
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFDS
Sample: IA1633STD-62.5 S/N:27684.5 Points Across peak:54



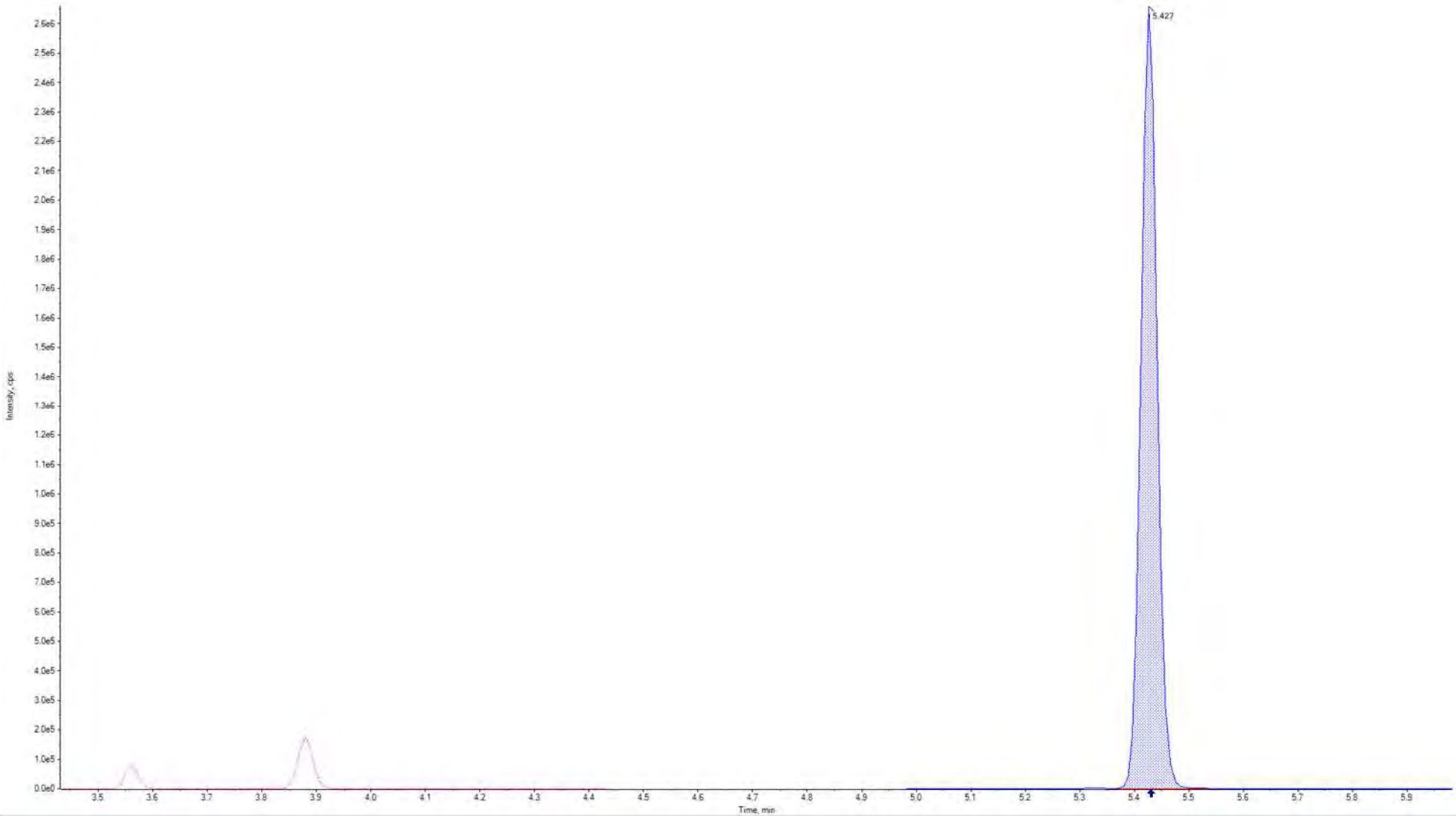
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFDS_2
Sample: IA1633STD-62.5 S/N:34206.7 Points Across peak:35



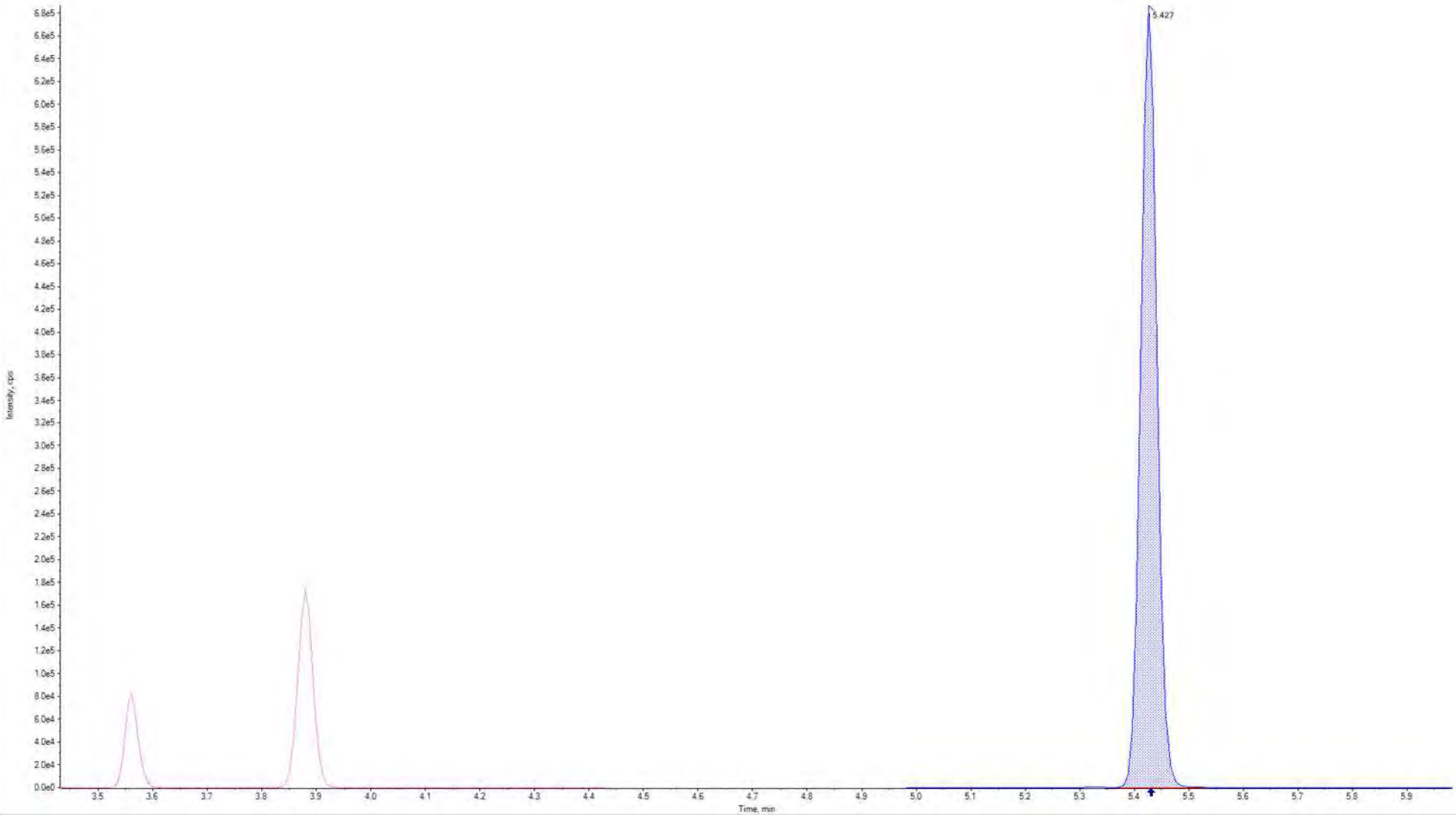
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFDoS
Sample: IA1633STD-62.5 S/N:11025.4 Points Across peak:30



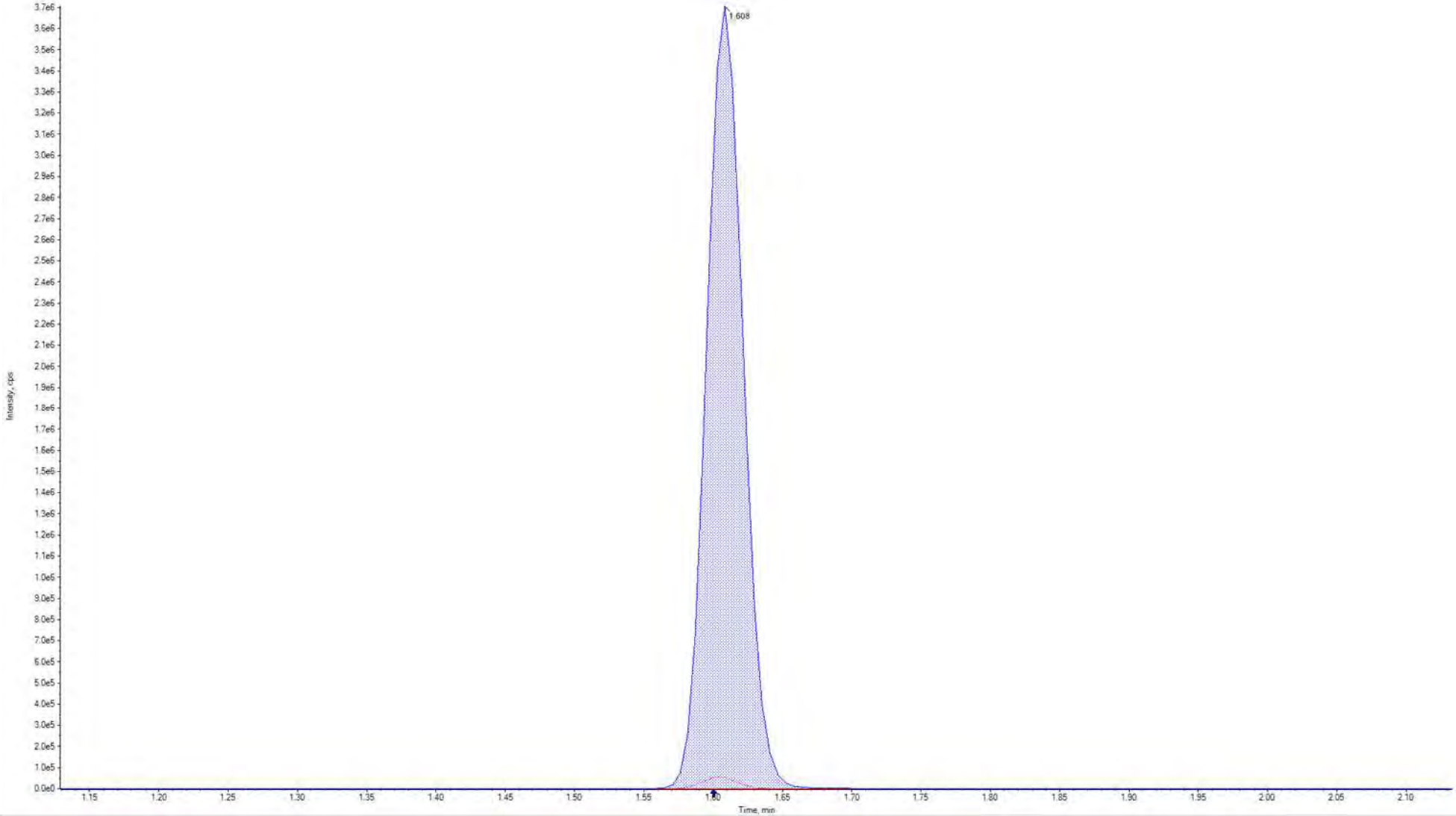
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFDoS_2
Sample: IA1633STD-62.5 S/N:4258.5 Points Across peak:28



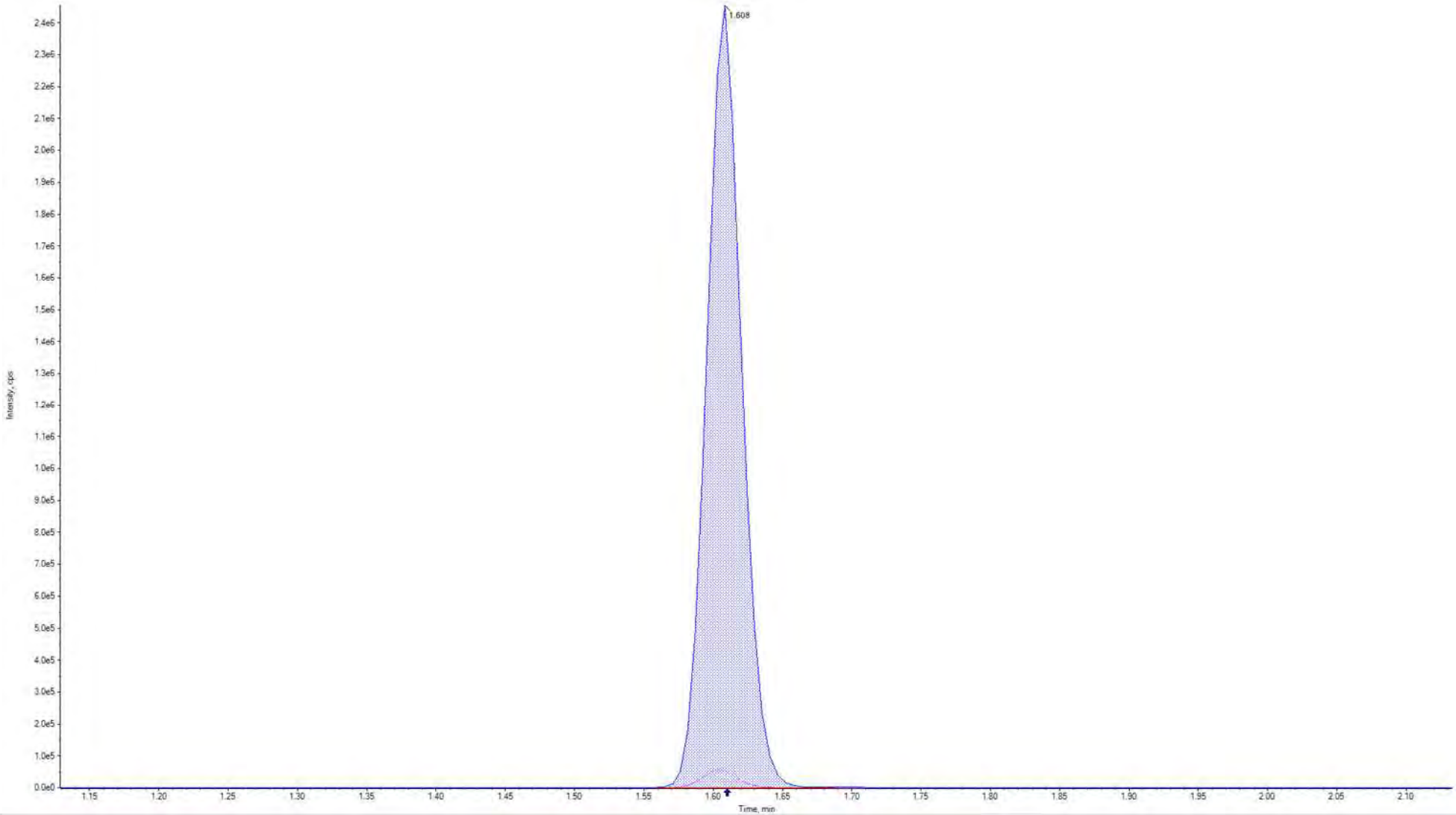
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

4:2FTS
Sample: IA1633STD-62.5 S/N:16096.3 Points Across peak:36



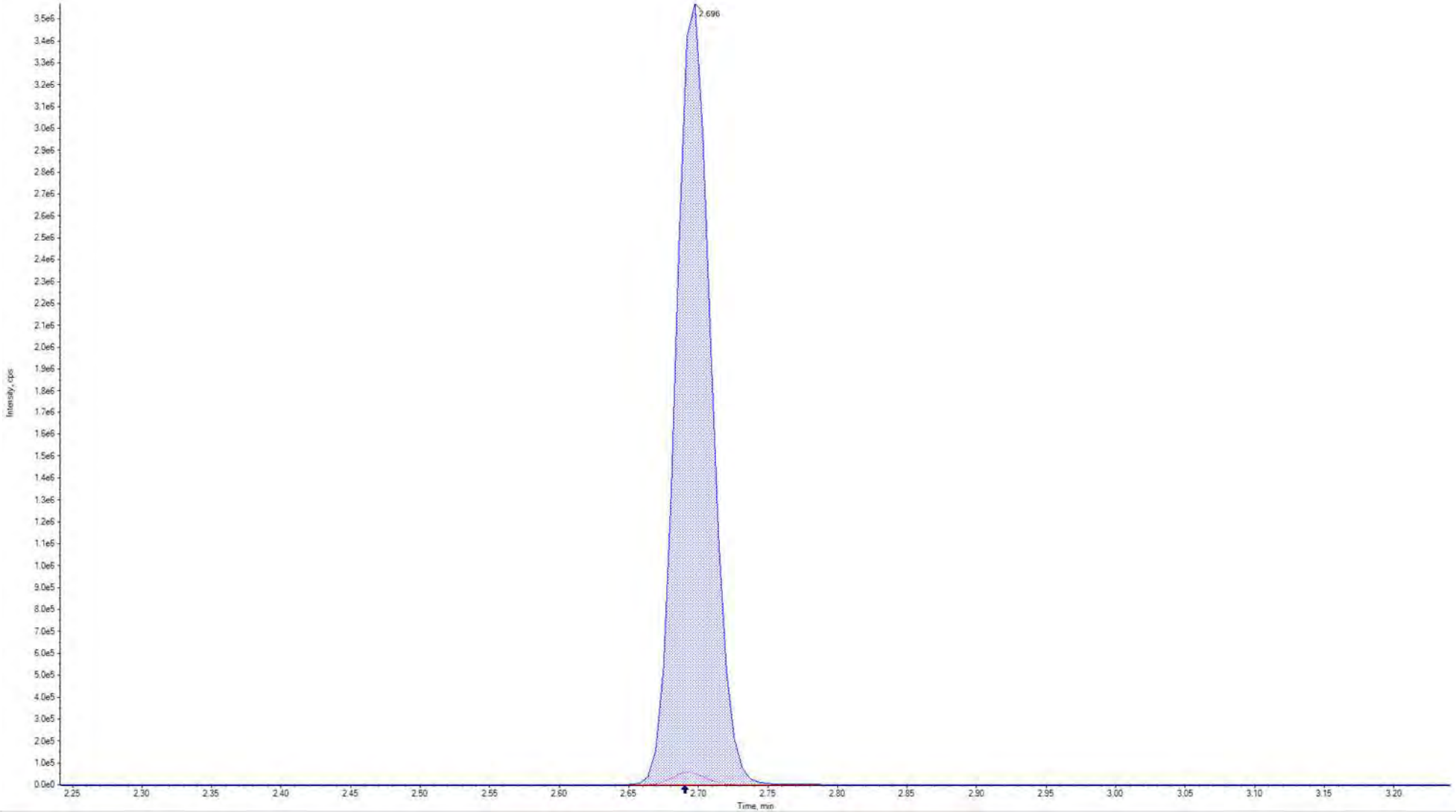
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

4:2FTS_2
Sample: IA1633STD-62.5 S/N:92294.5 Points Across peak:27



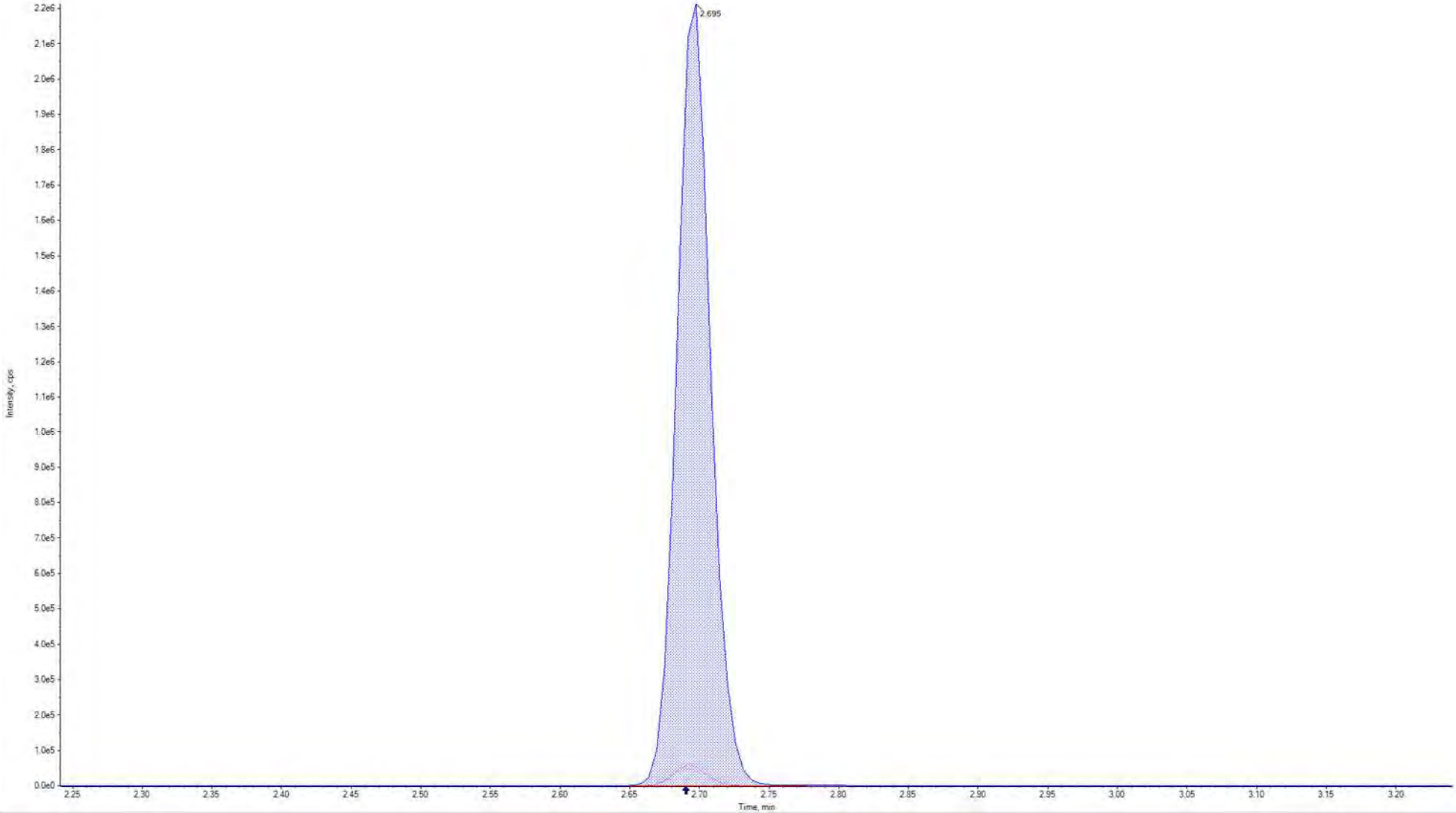
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

6:2FTS
Sample: IA1633STD-62.5 S/N:7272.8 Points Across peak:47



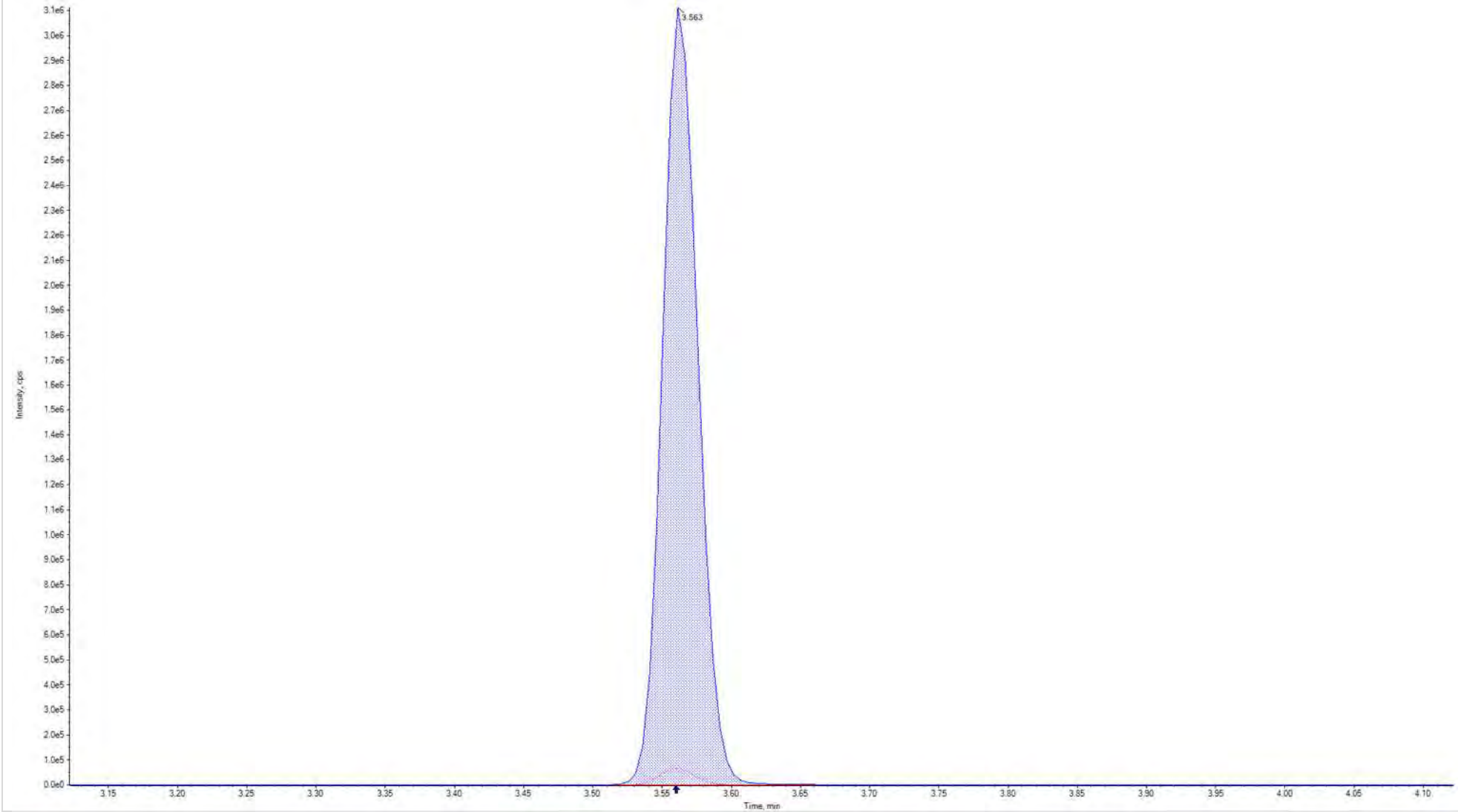
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

6:2FTS_2
Sample: IA1633STD-62.5 S/N:44370.5 Points Across peak:28



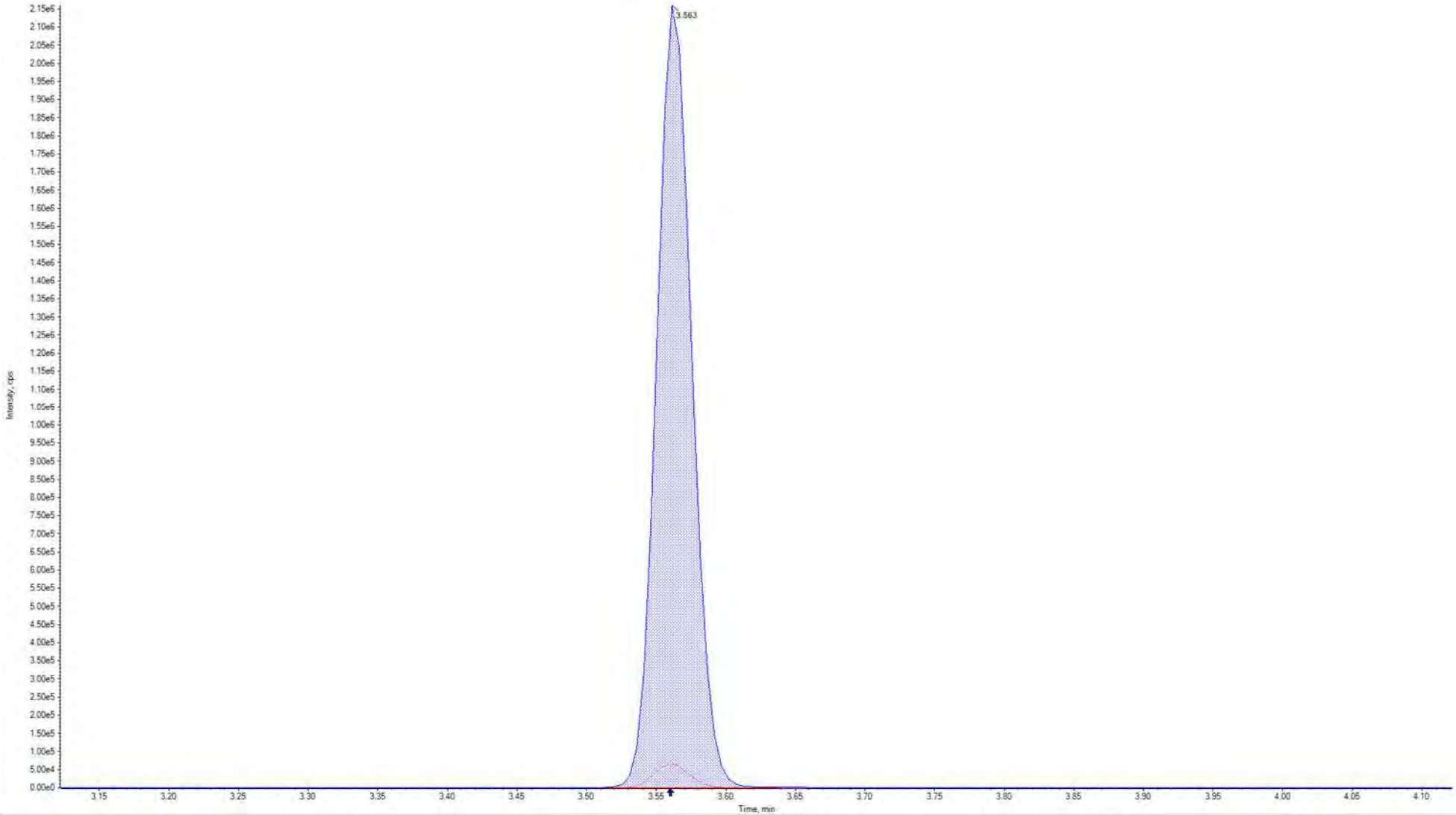
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

8:2FTS
Sample: IA1633STD-62.5 S/N:8138.3 Points Across peak:40



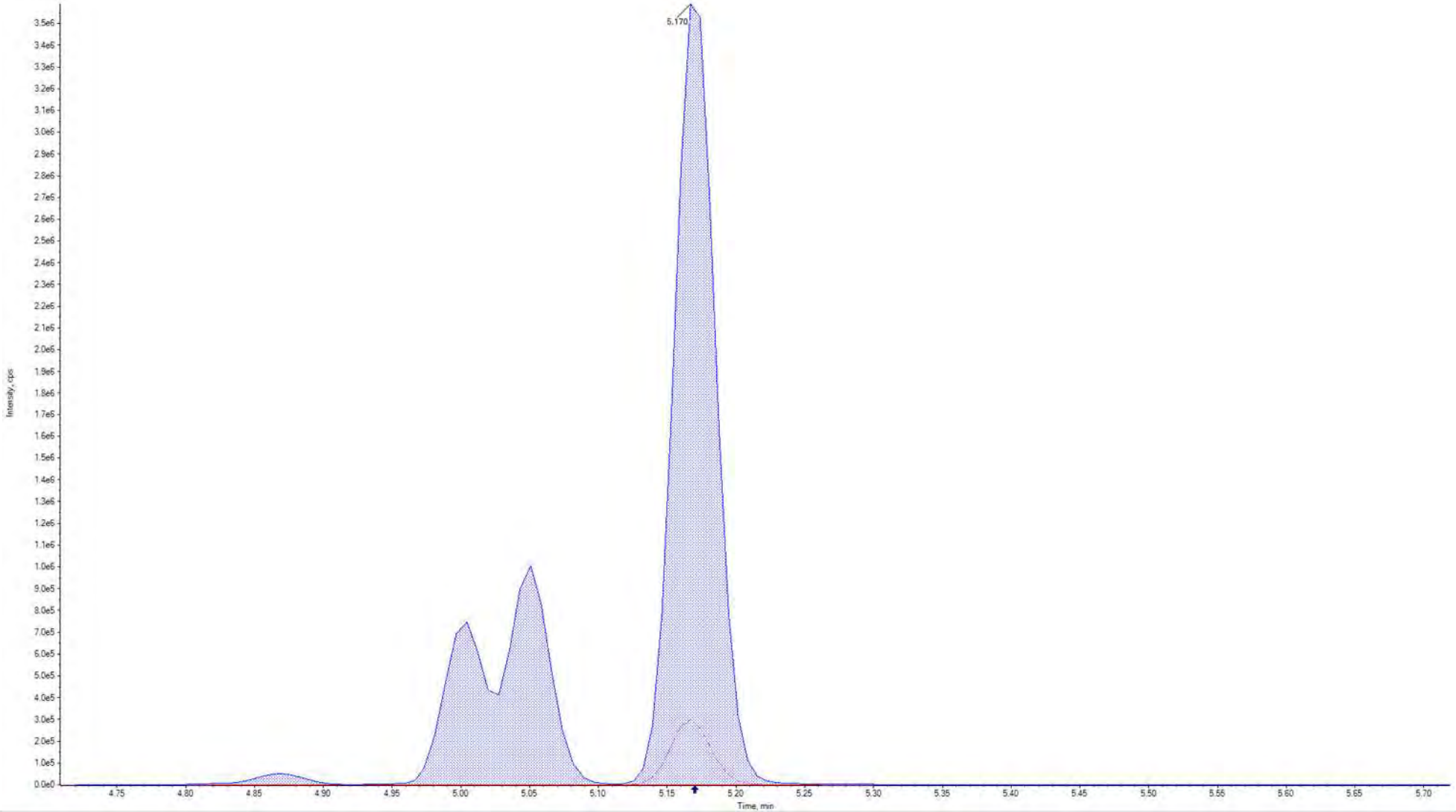
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

8:2FTS_2
Sample: IA1633STD-62.5 S/N:7157.3 Points Across peak:28



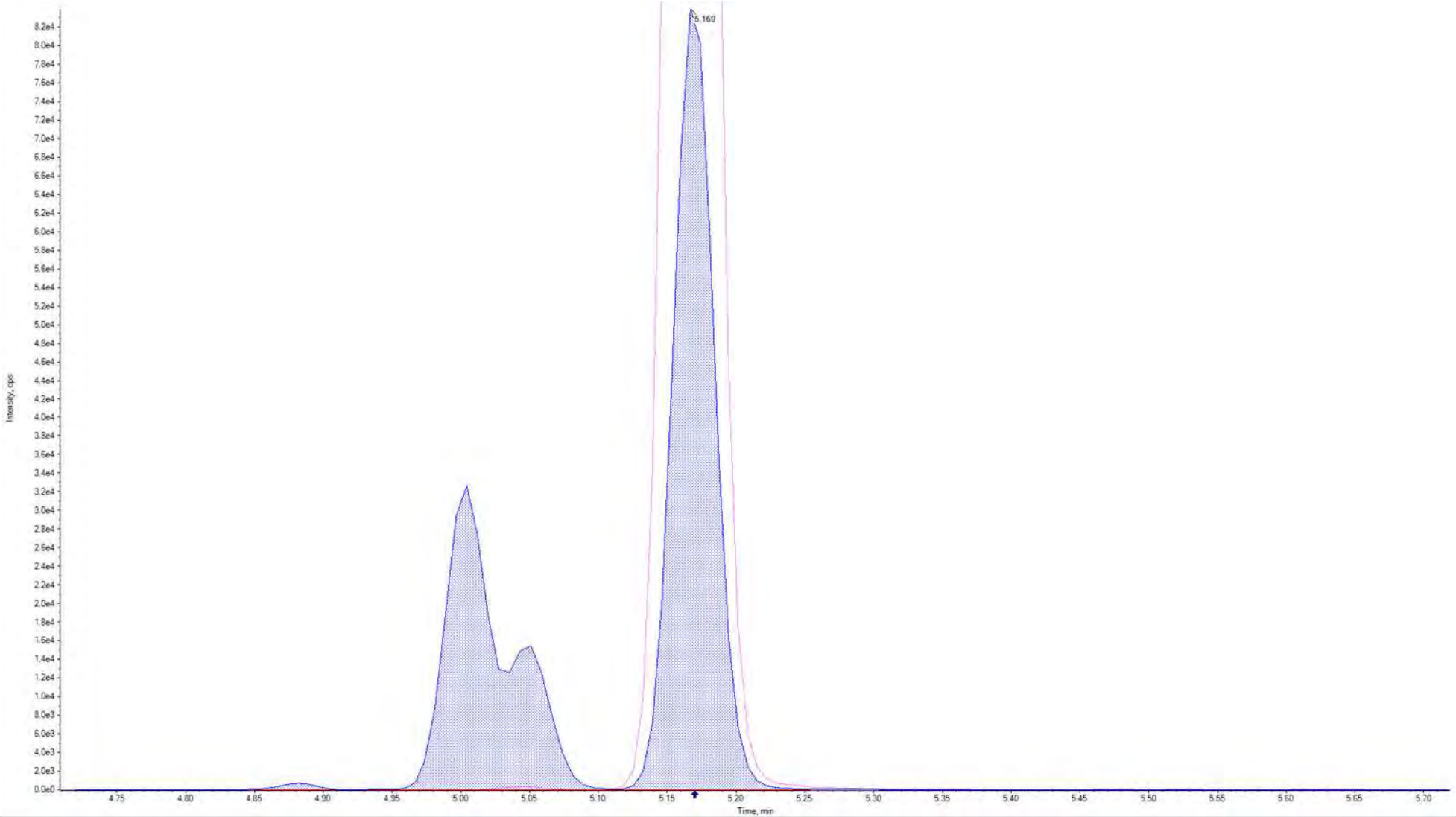
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFOSA
Sample: IA1633STD-62.5 S/N:385.0 Points Across peak:66



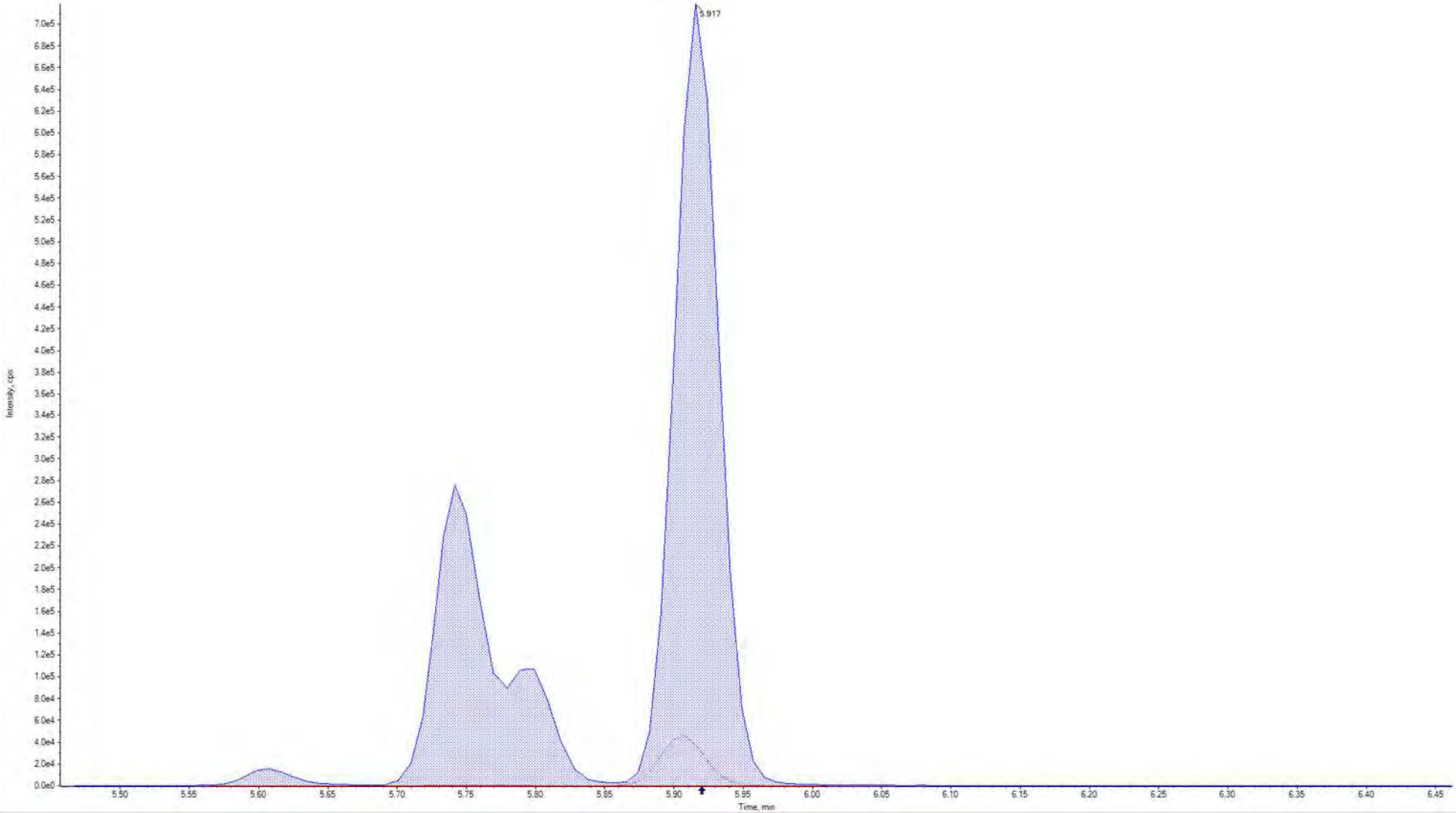
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFOSA_2
Sample: IA1633STD-62.5 S/N:471.7 Points Across peak:59



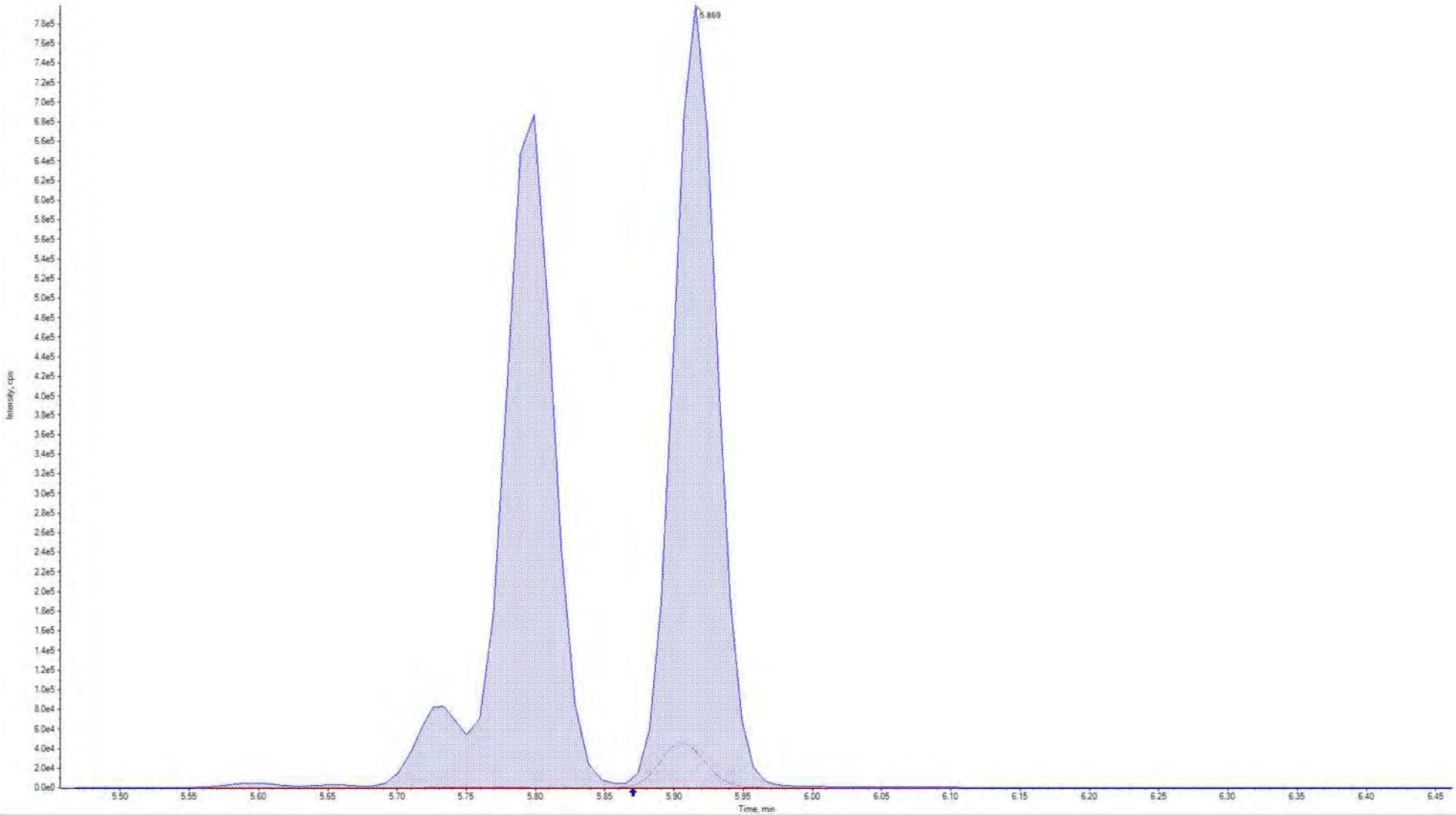
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NMeFOSA
Sample: IA1633STD-62.5 S/N:354.9 Points Across peak:54



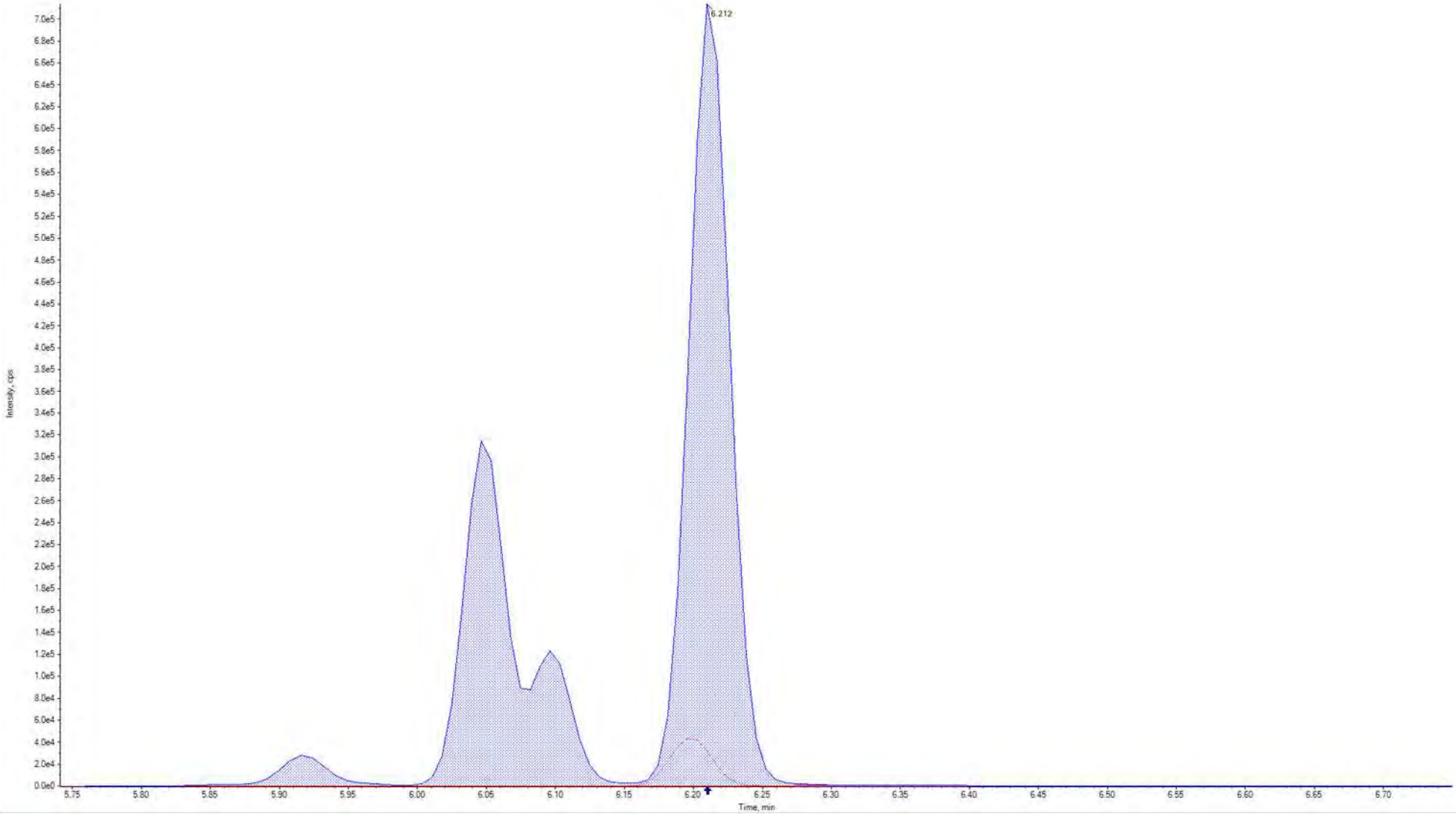
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NMeFOSA_2
Sample: IA1633STD-62.5 S/N:281.9 Points Across peak:53



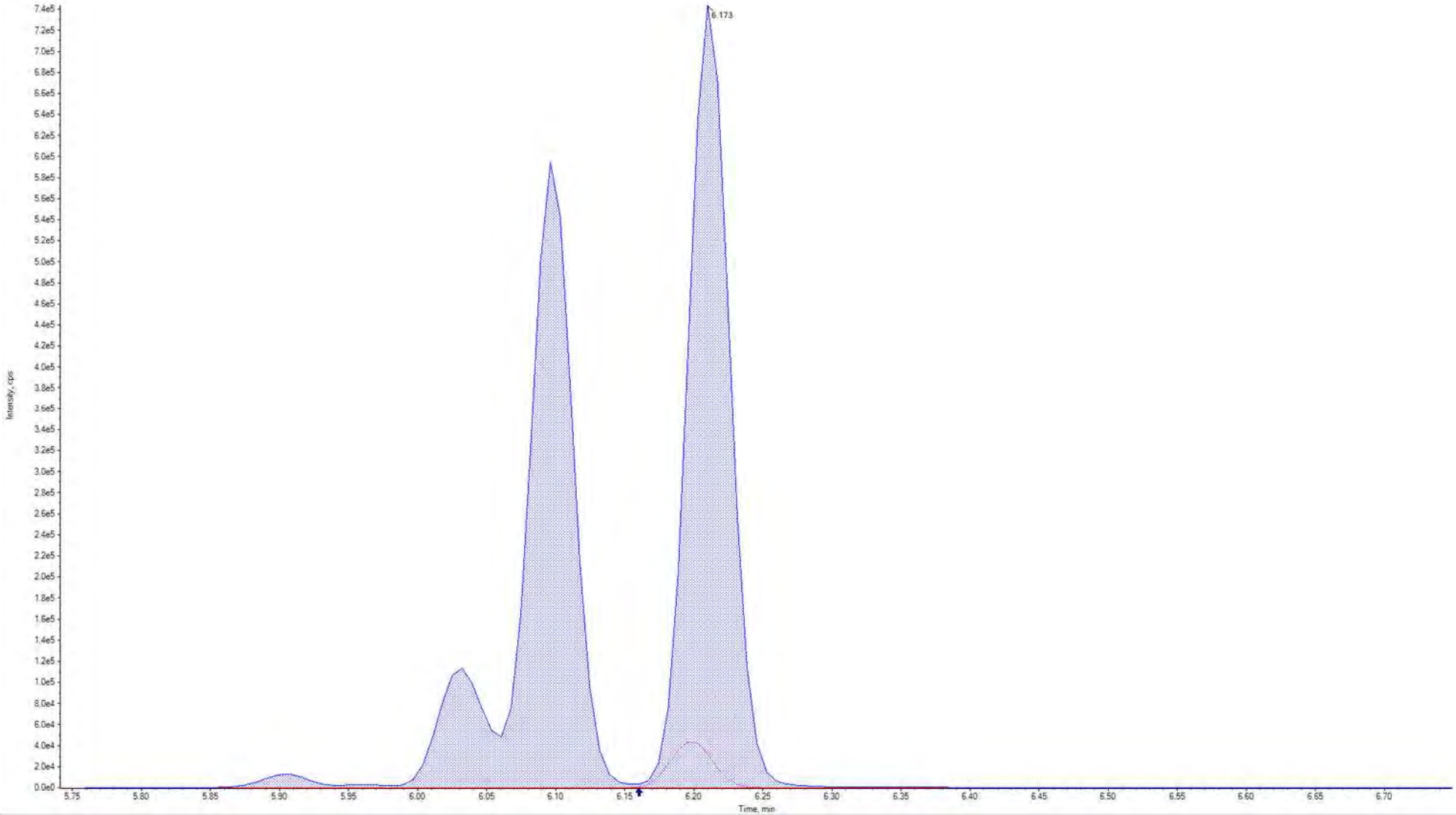
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NEtFOSA
Sample: IA1633STD-62.5 S/N:751.4 Points Across peak:74



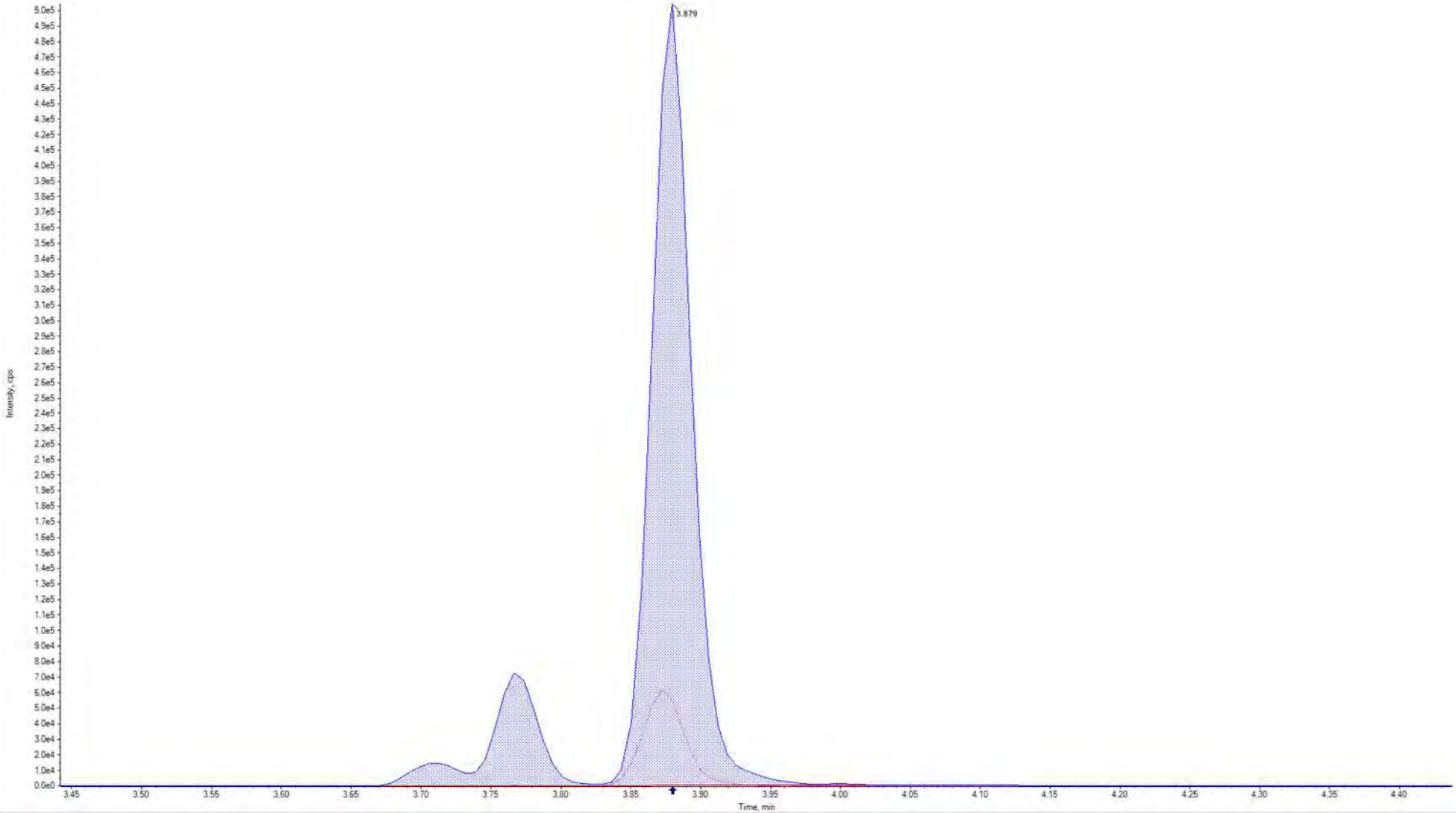
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NEtFOSA_2
Sample: IA1633STD-62.5 S/N:674.8 Points Across peak:80



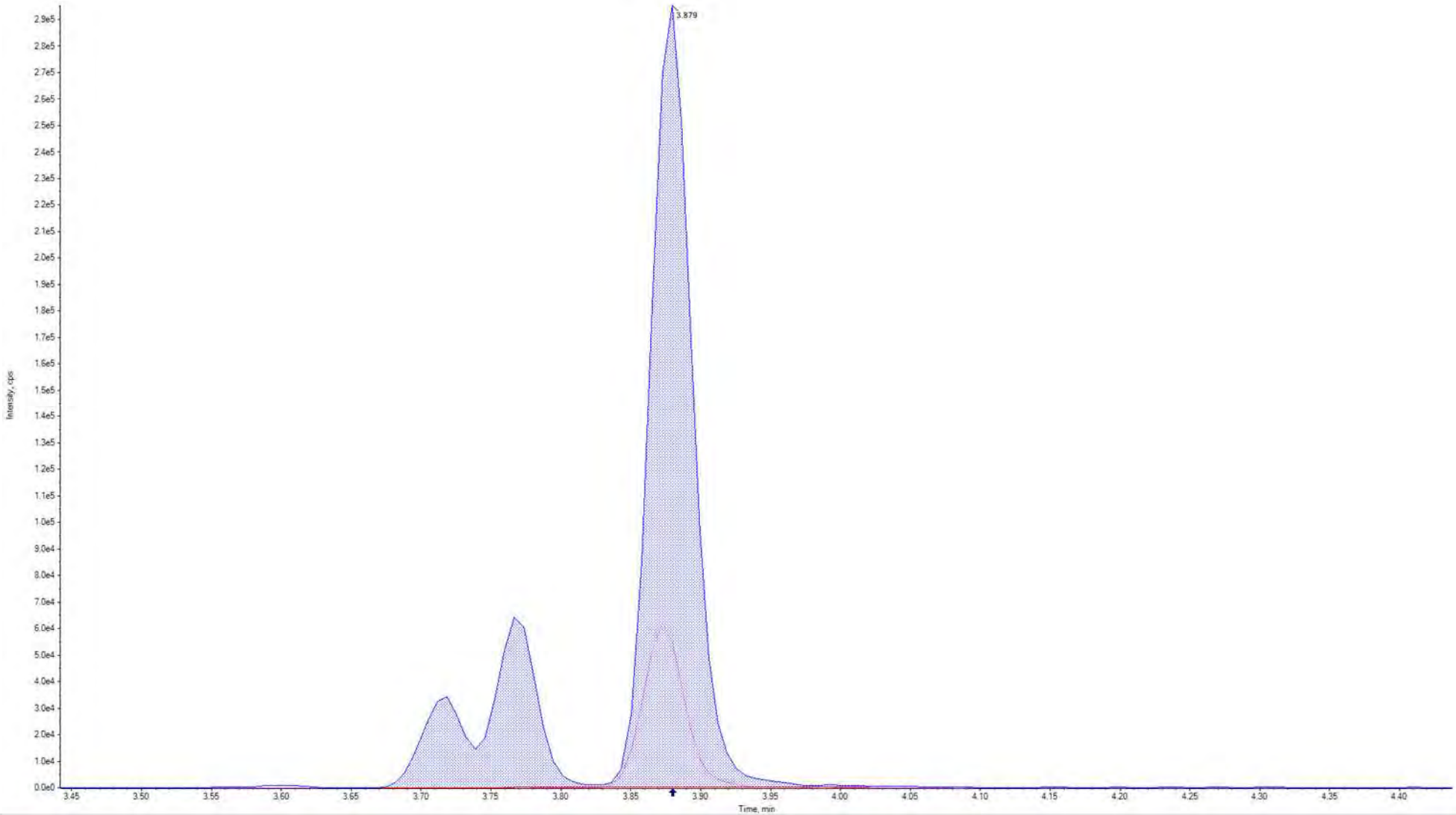
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NMeFOSAA
Sample: IA1633STD-62.5 S/N:688.1 Points Across peak:59



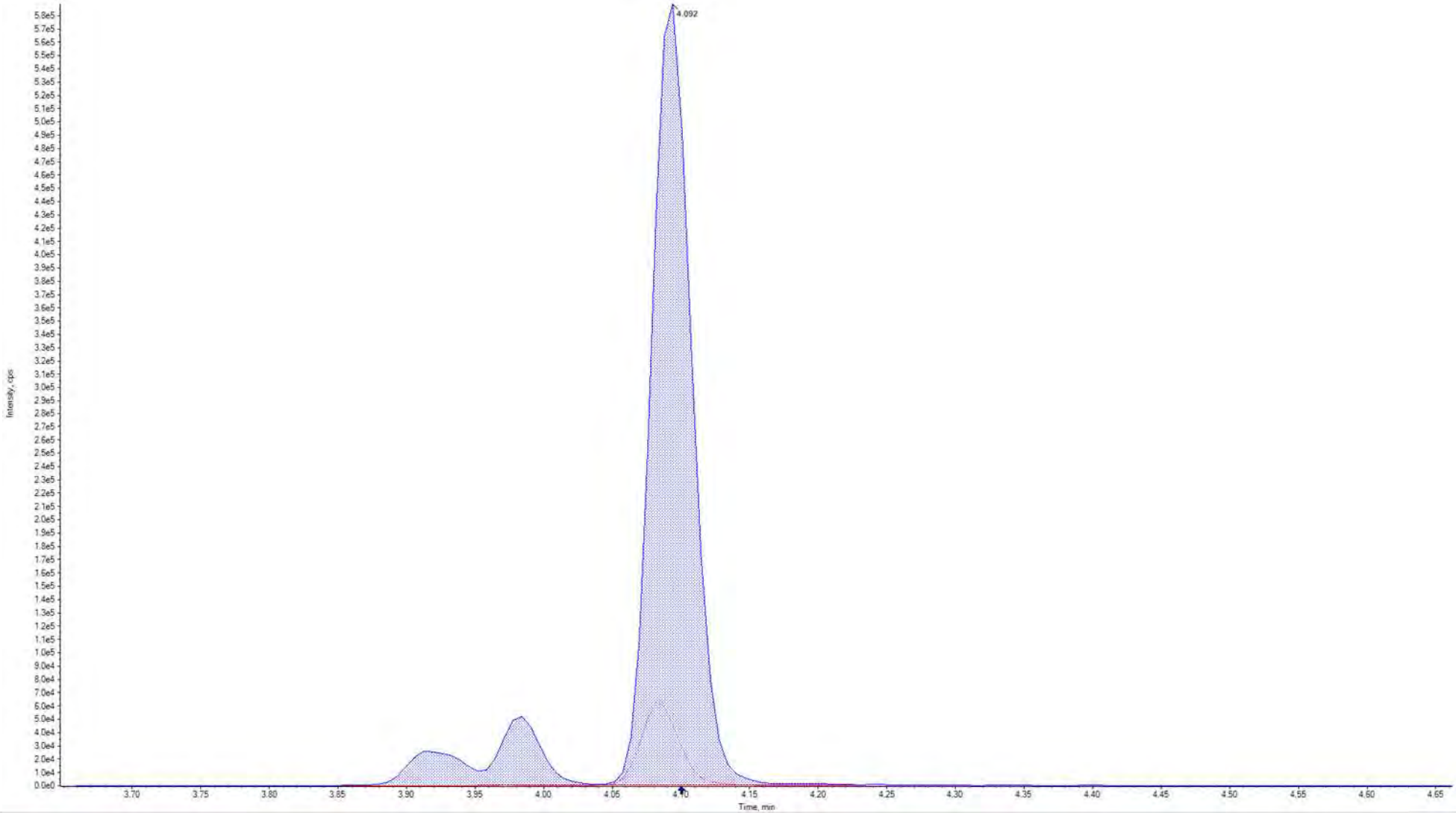
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NMeFOSAA_2
Sample: IA1633STD-62.5 S/N:492.9 Points Across peak:58



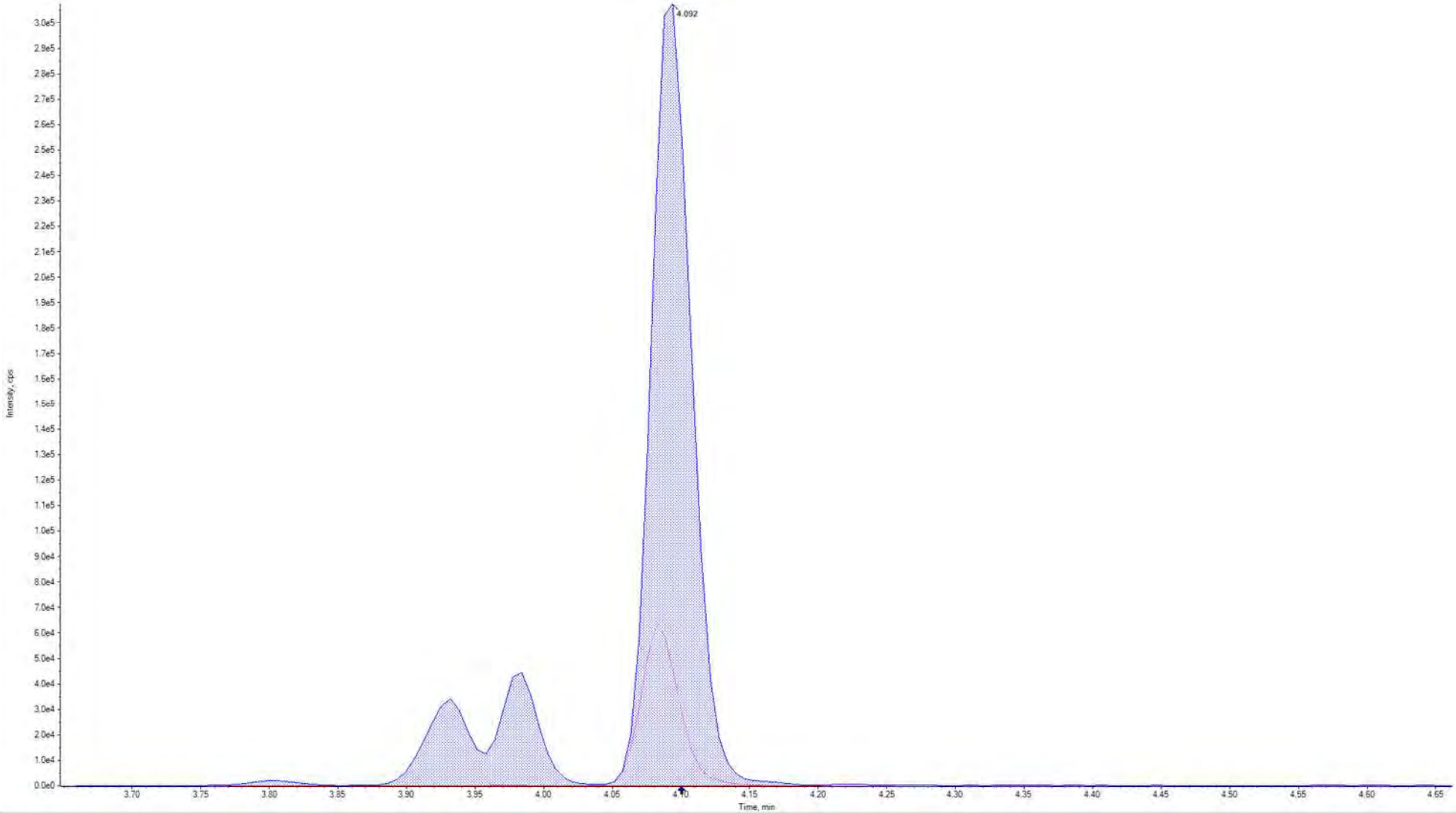
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NEtFOSAA
Sample: IA1633STD-62.5 S/N:783.1 Points Across peak:66



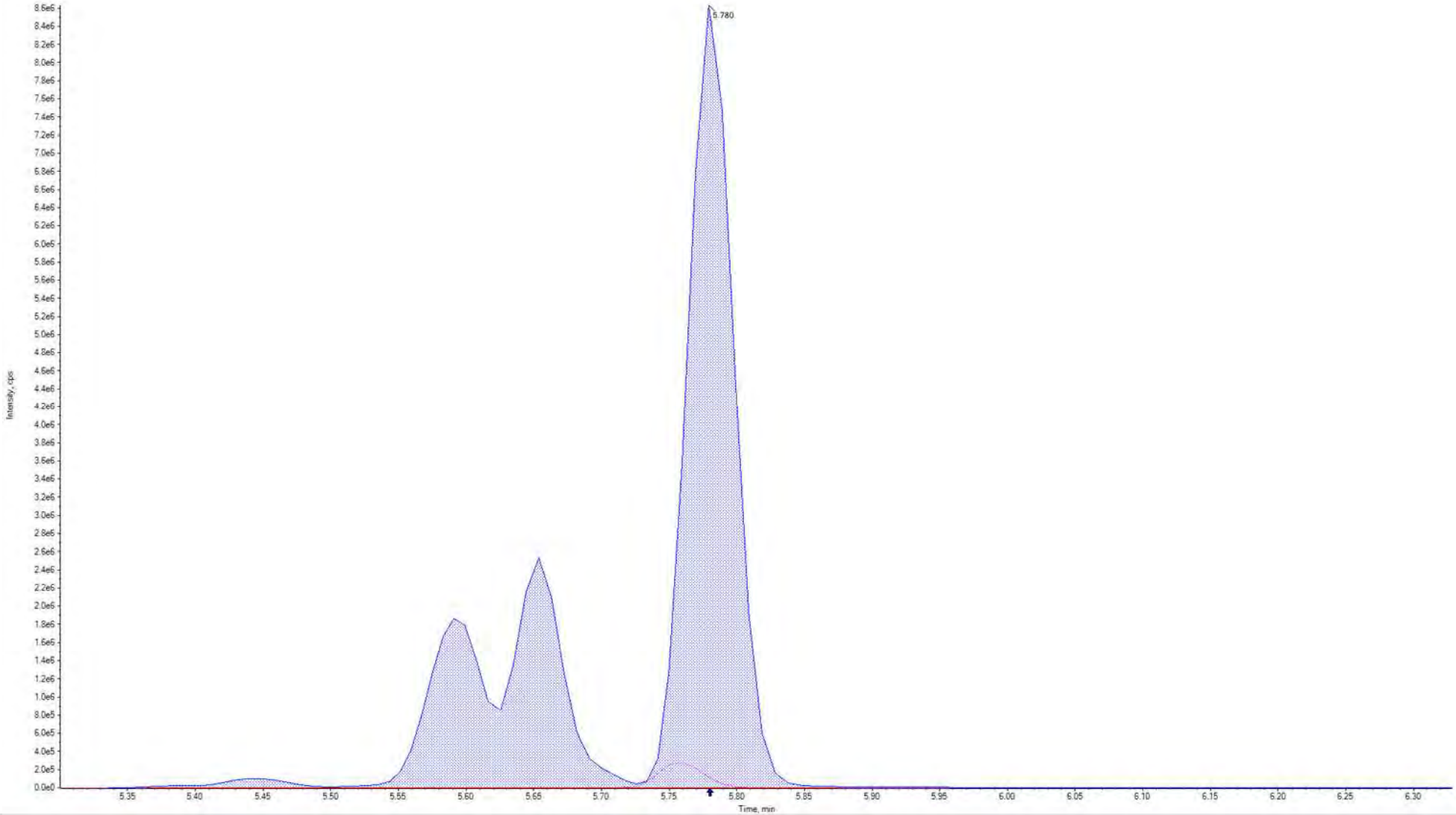
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NEtFOSAA_2
Sample: IA1633STD-62.5 S/N:543.2 Points Across peak:69



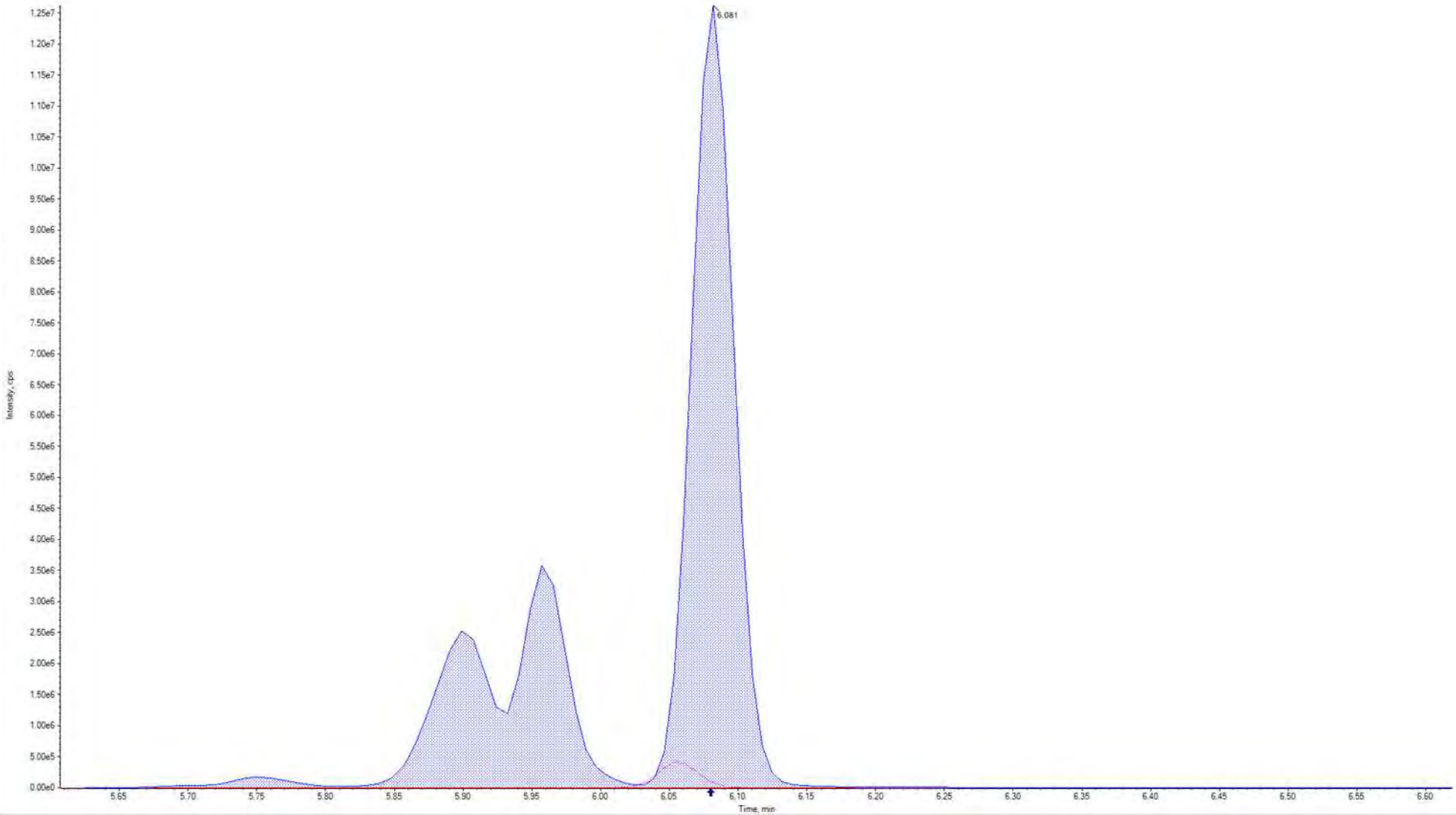
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NMeFOSE
Sample: IA1633STD-62.5 S/N:215.4 Points Across peak:62



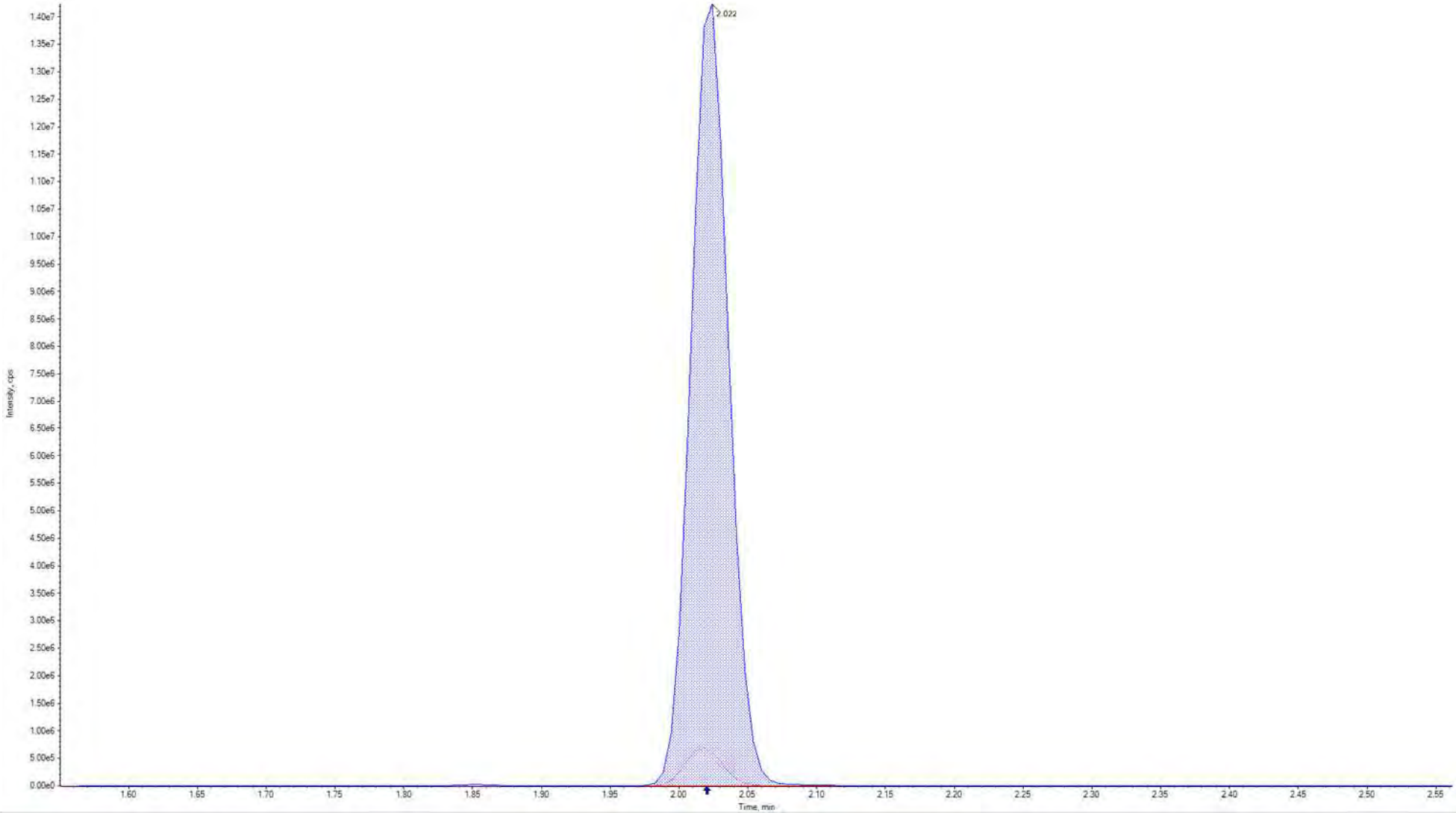
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NEtFOSE
Sample: IA1633STD-62.5 S/N:400.5 Points Across peak:65



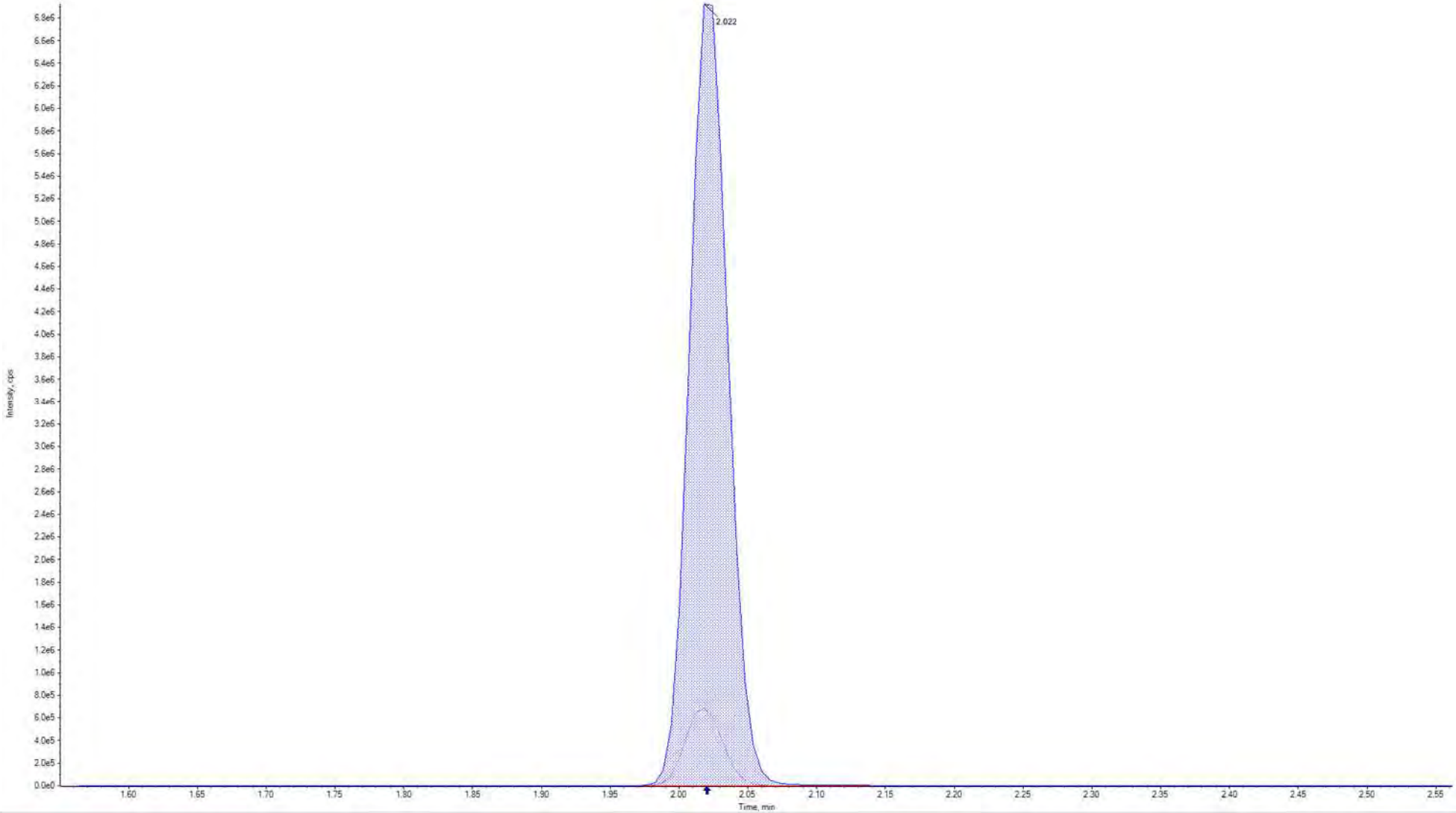
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

HFPO-DA
Sample: IA1633STD-62.5 S/N:321144.1 Points Across peak:53



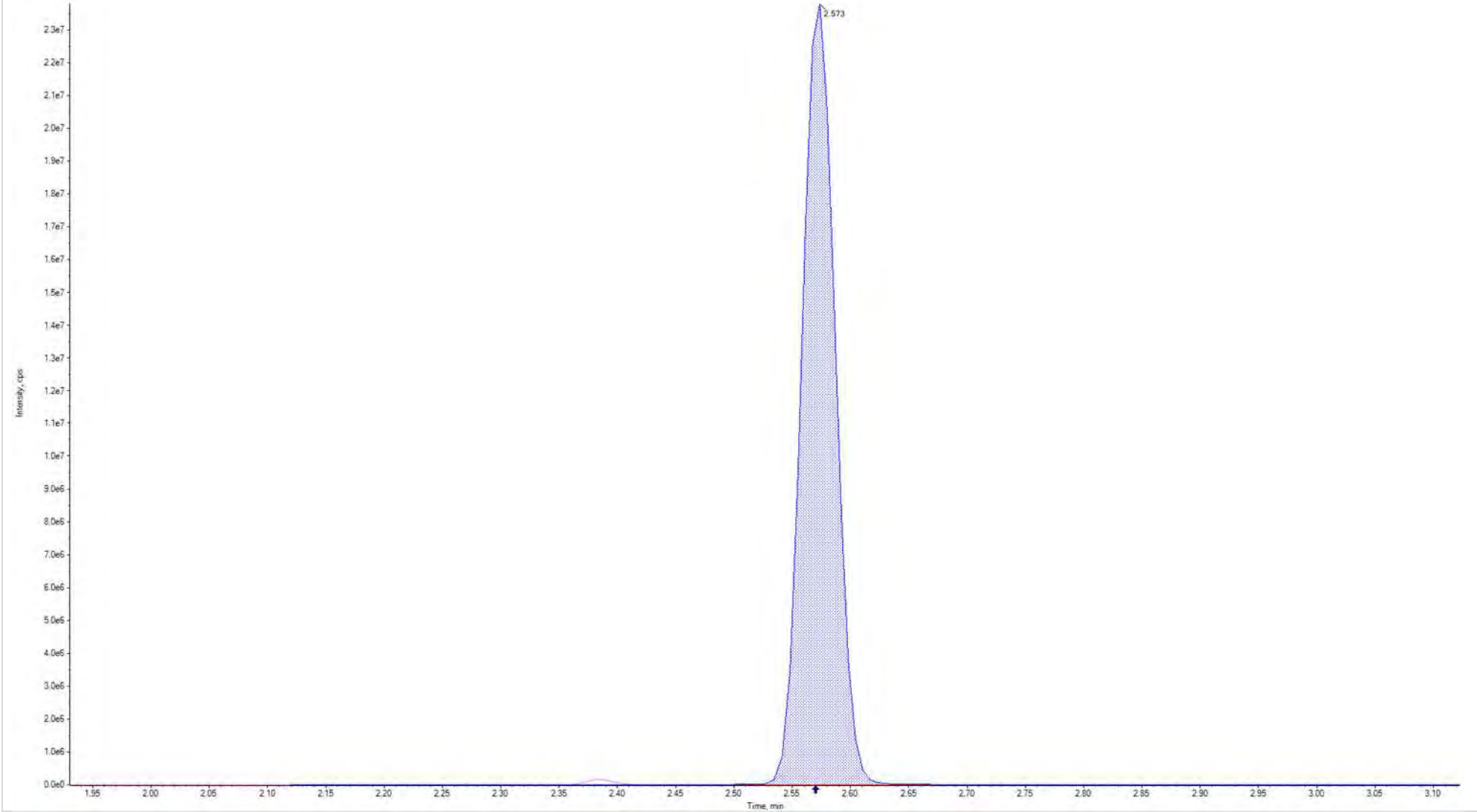
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

HFPO-DA_2
Sample: IA1633STD-62.5 S/N:156230.8 Points Across peak:38



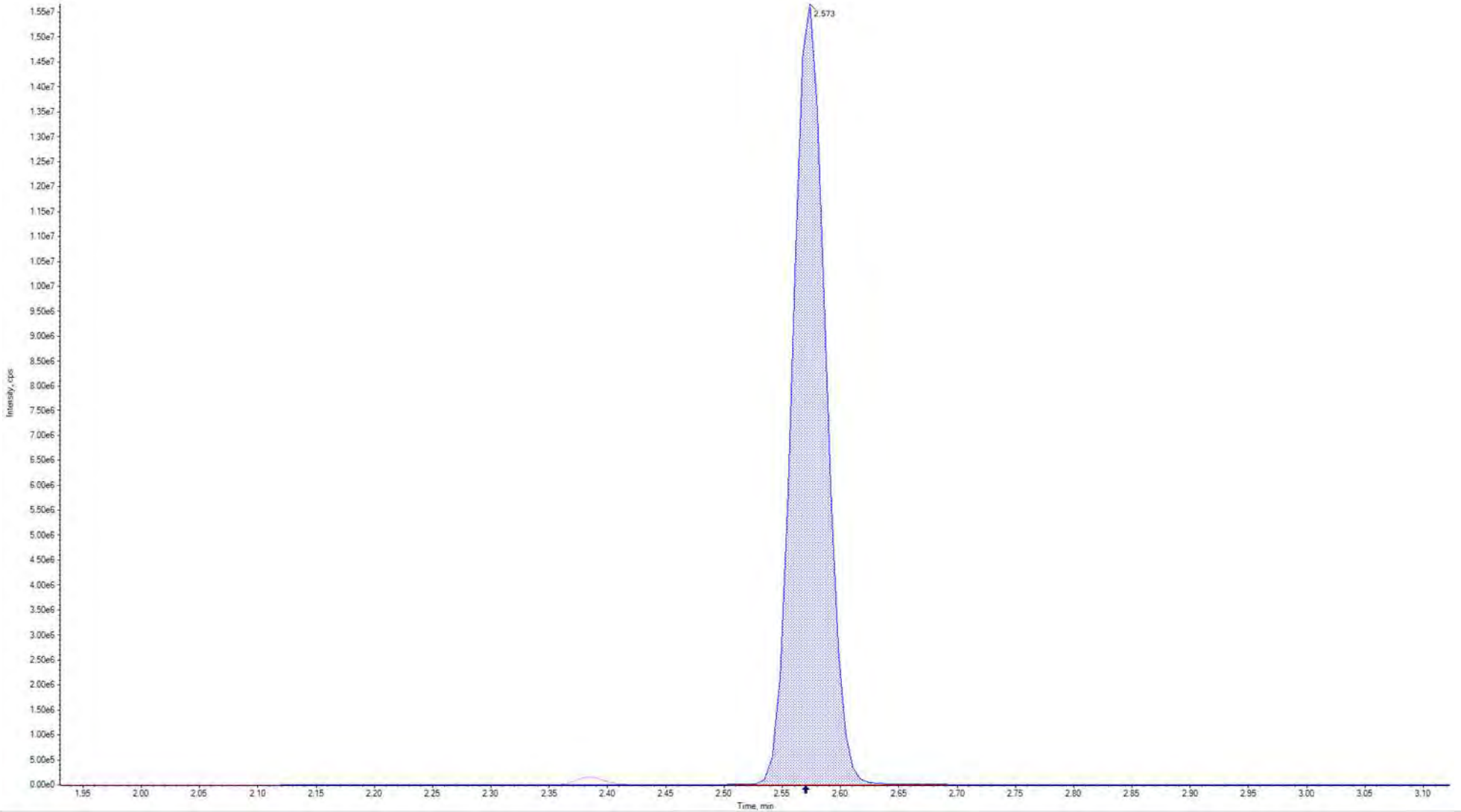
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

ADONA
Sample: IA1633STD-62.5 S/N:366462.5 Points Across peak:47



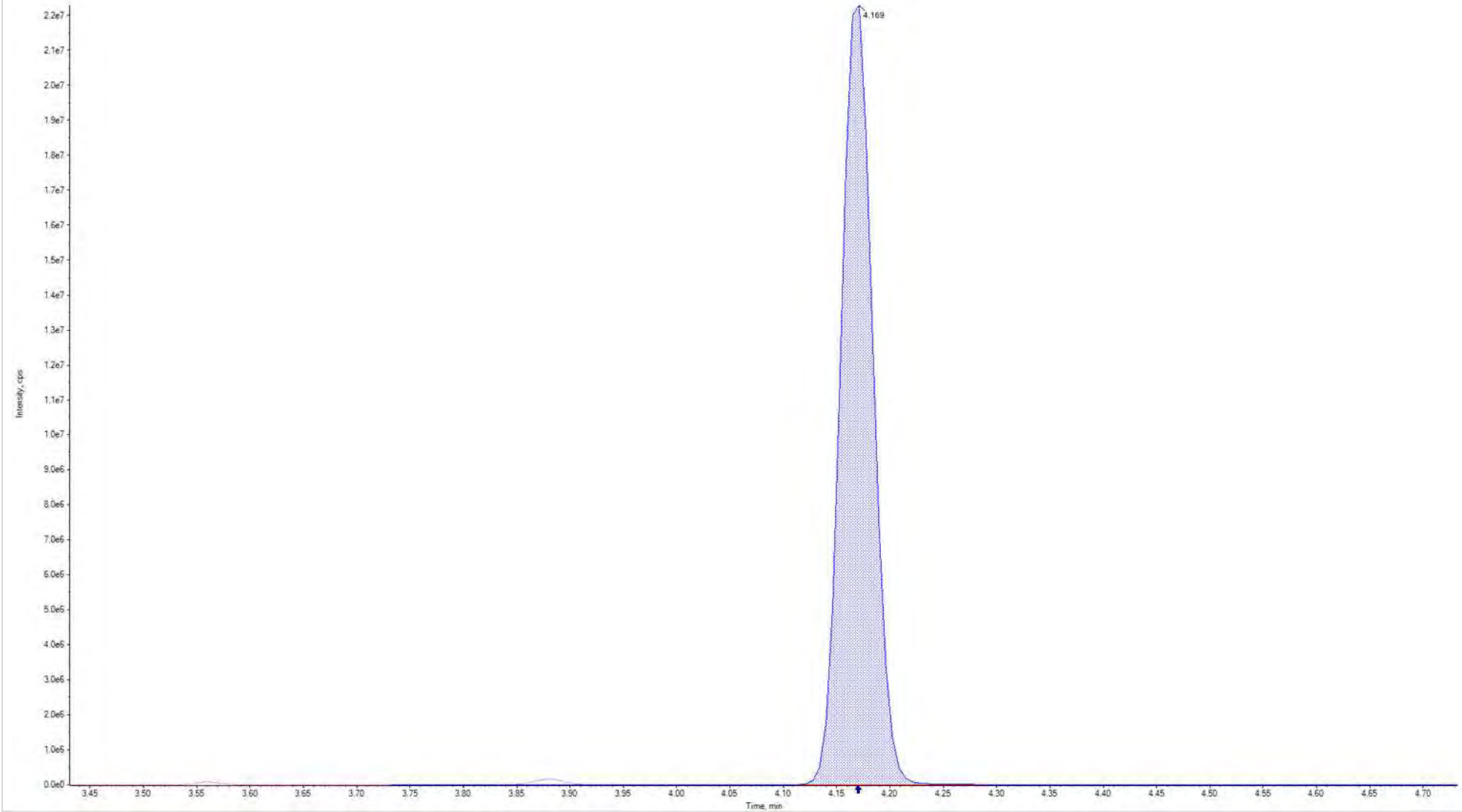
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

ADONA_2
Sample: IA1633STD-62.5 S/N:80529.4 Points Across peak:49



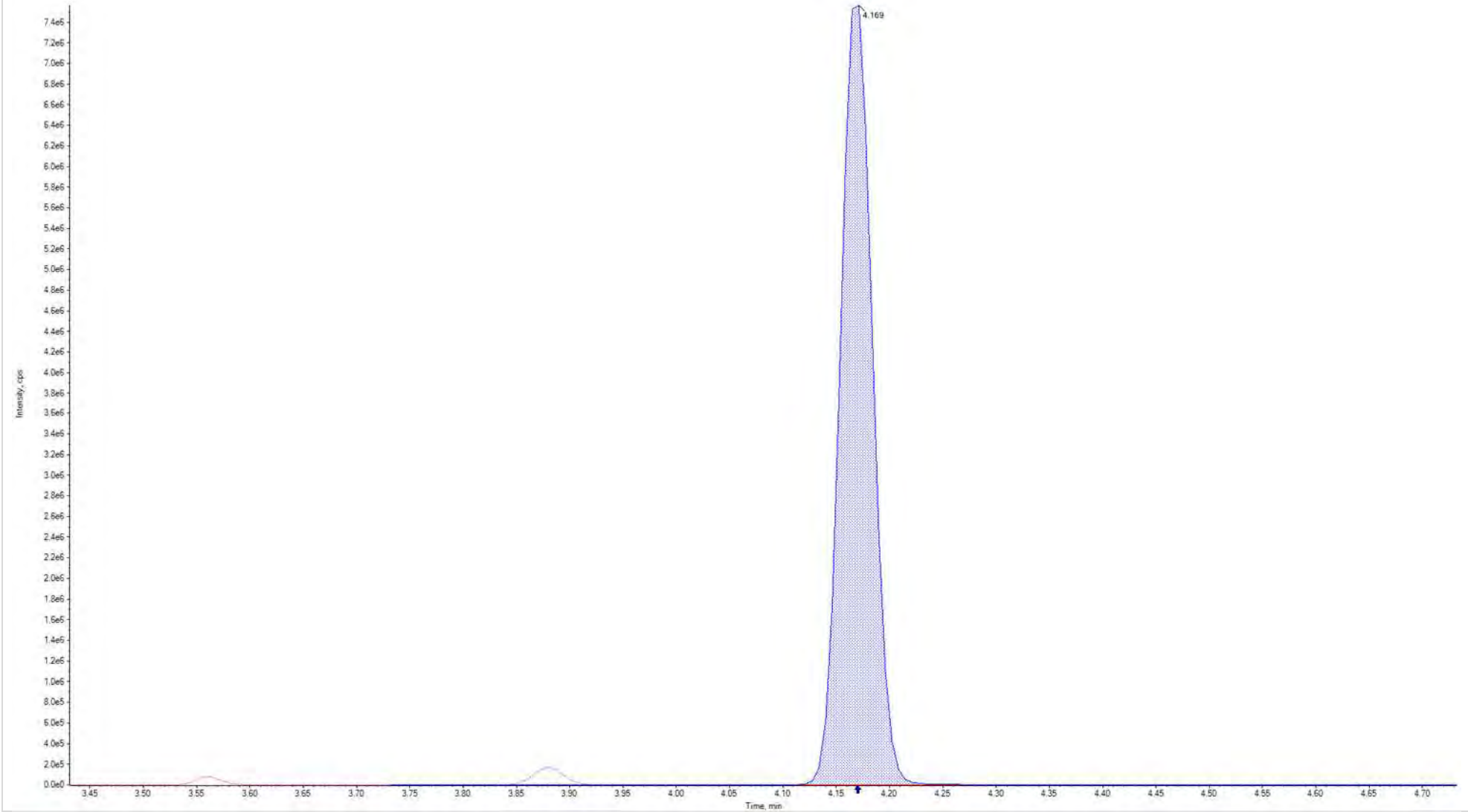
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

9Cl-PF3ONS
Sample: IA1633STD-62.5 S/N:8377.3 Points Across peak:43



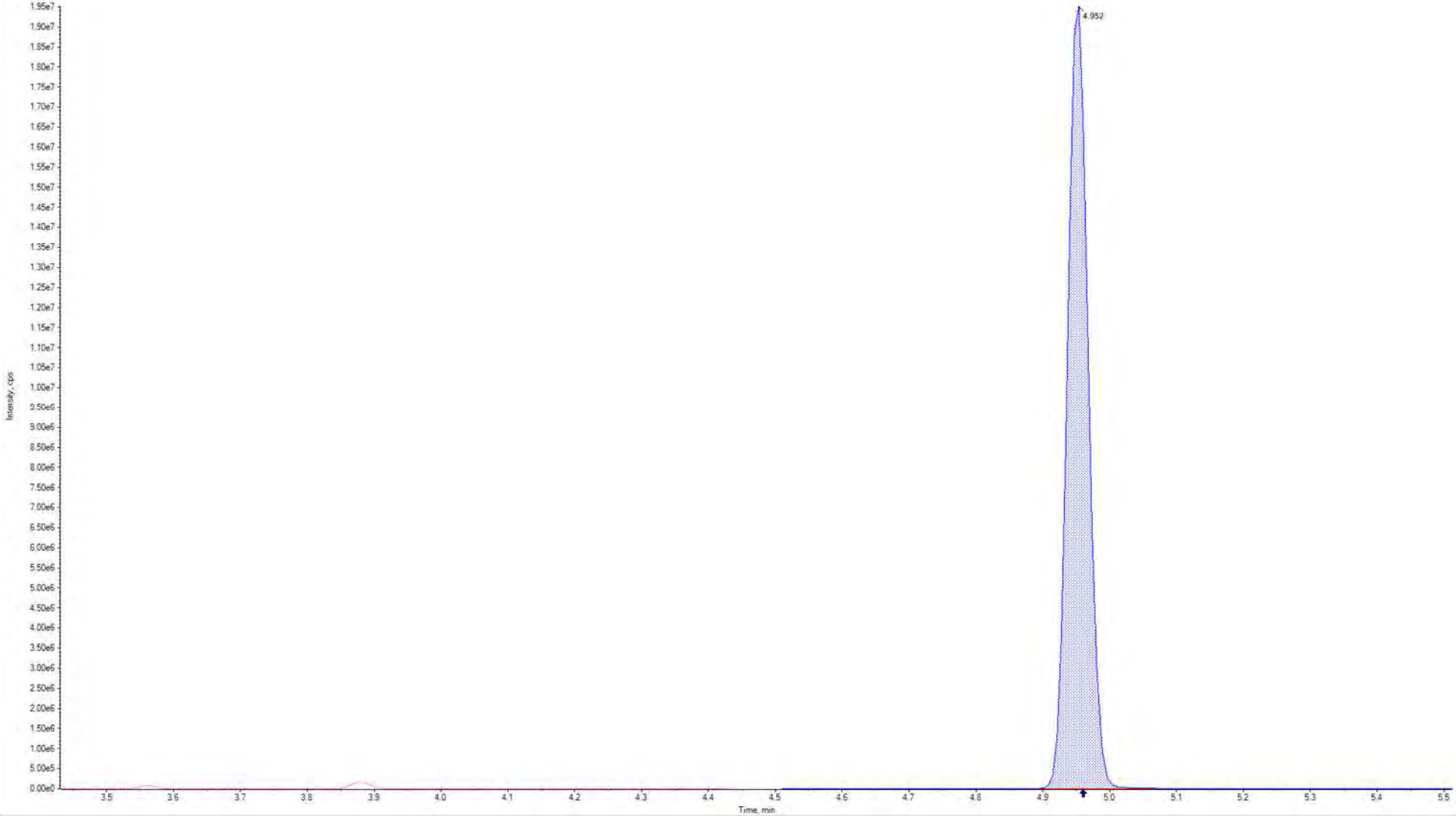
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

9Cl-PF3ONS_2
Sample: IA1633STD-62.5 S/N:170606.6 Points Across peak:35



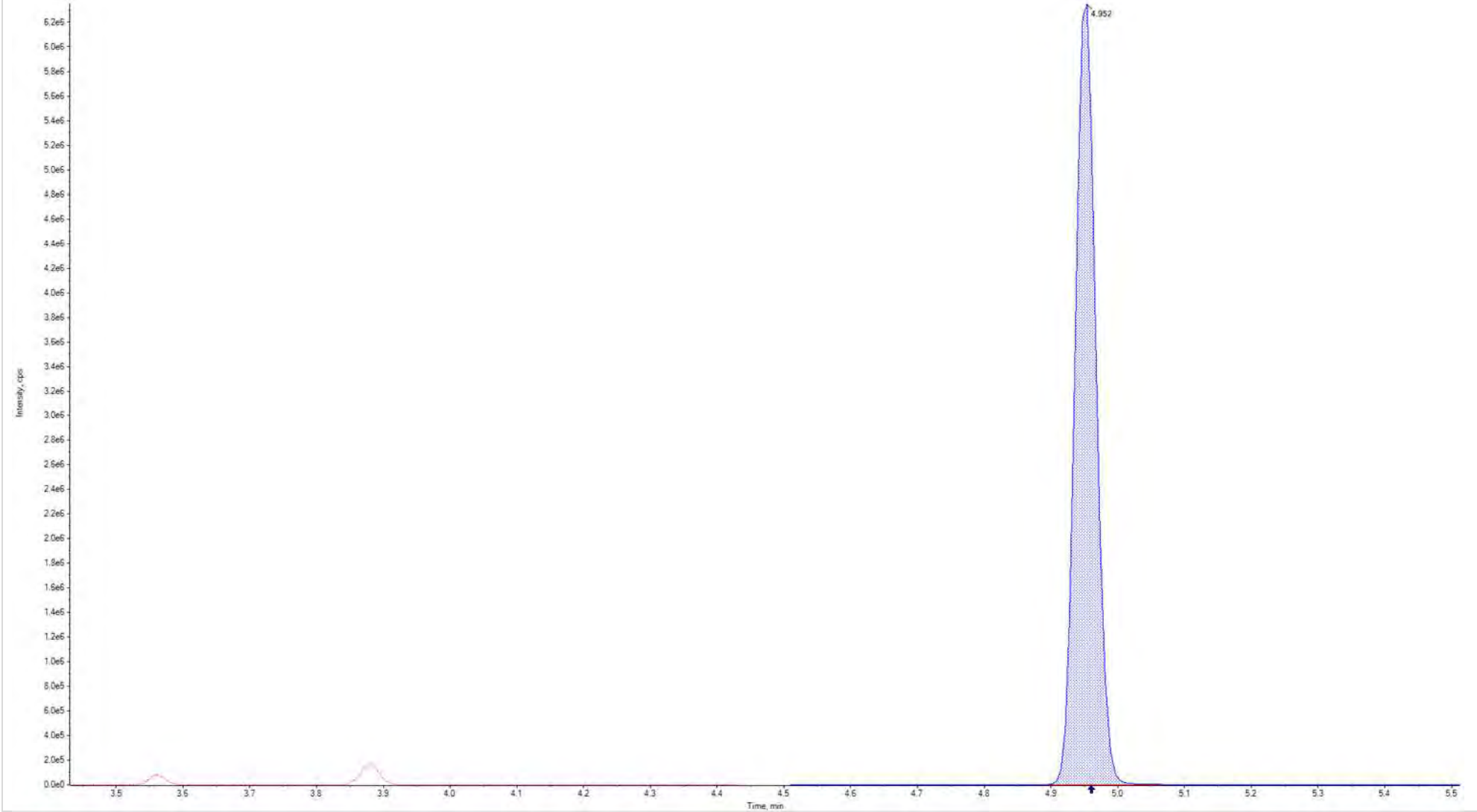
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

11Cl-PF3OUdS
Sample: IA1633STD-62.5 S/N:7061.9 Points Across peak:43



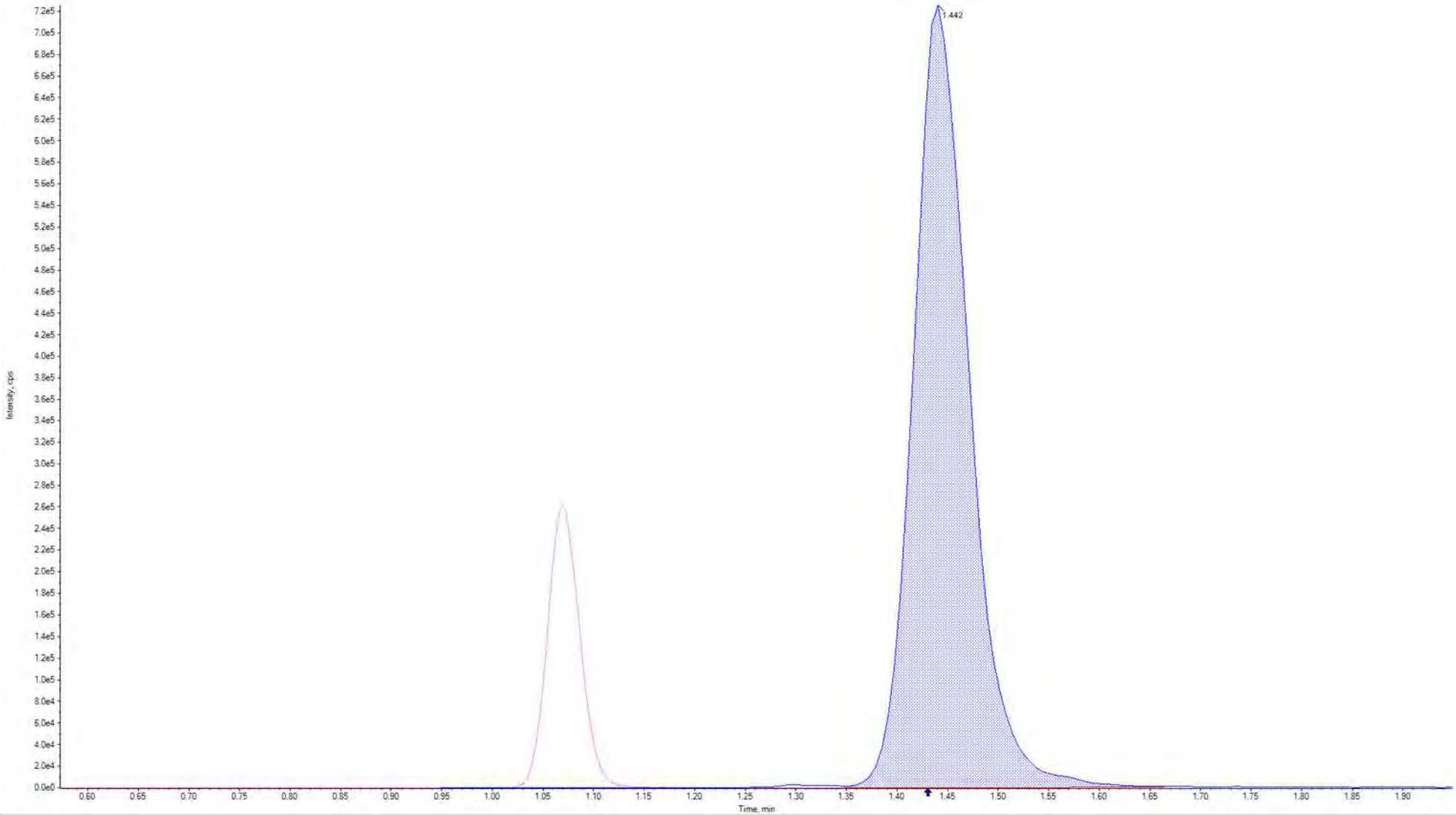
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

11Cl-PF3OUdS_2
Sample: IA1633STD-62.5 S/N:302339.9 Points Across peak:39



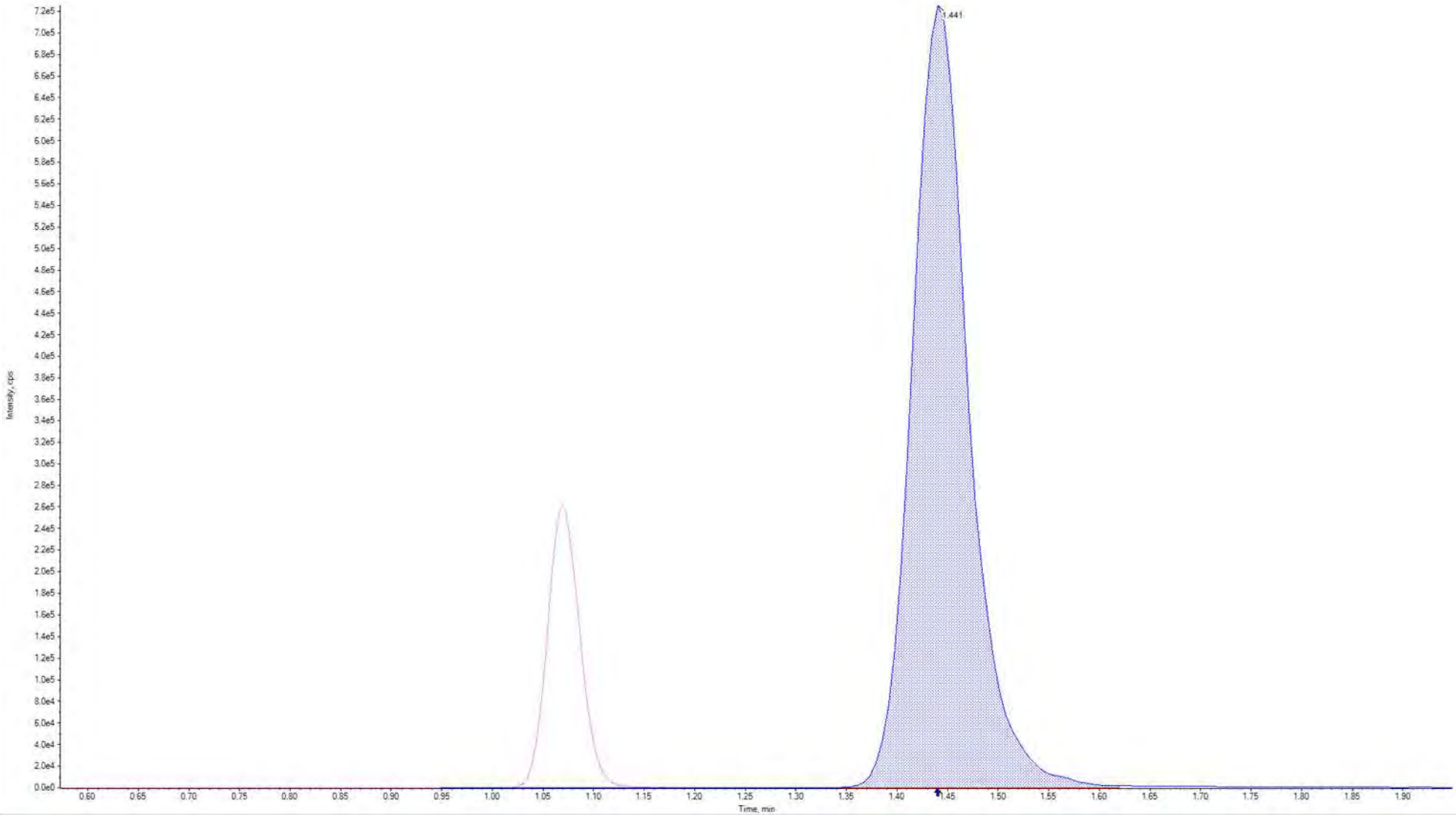
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

3:3FTCA
Sample: IA1633STD-62.5 S/N:2733.4 Points Across peak:54



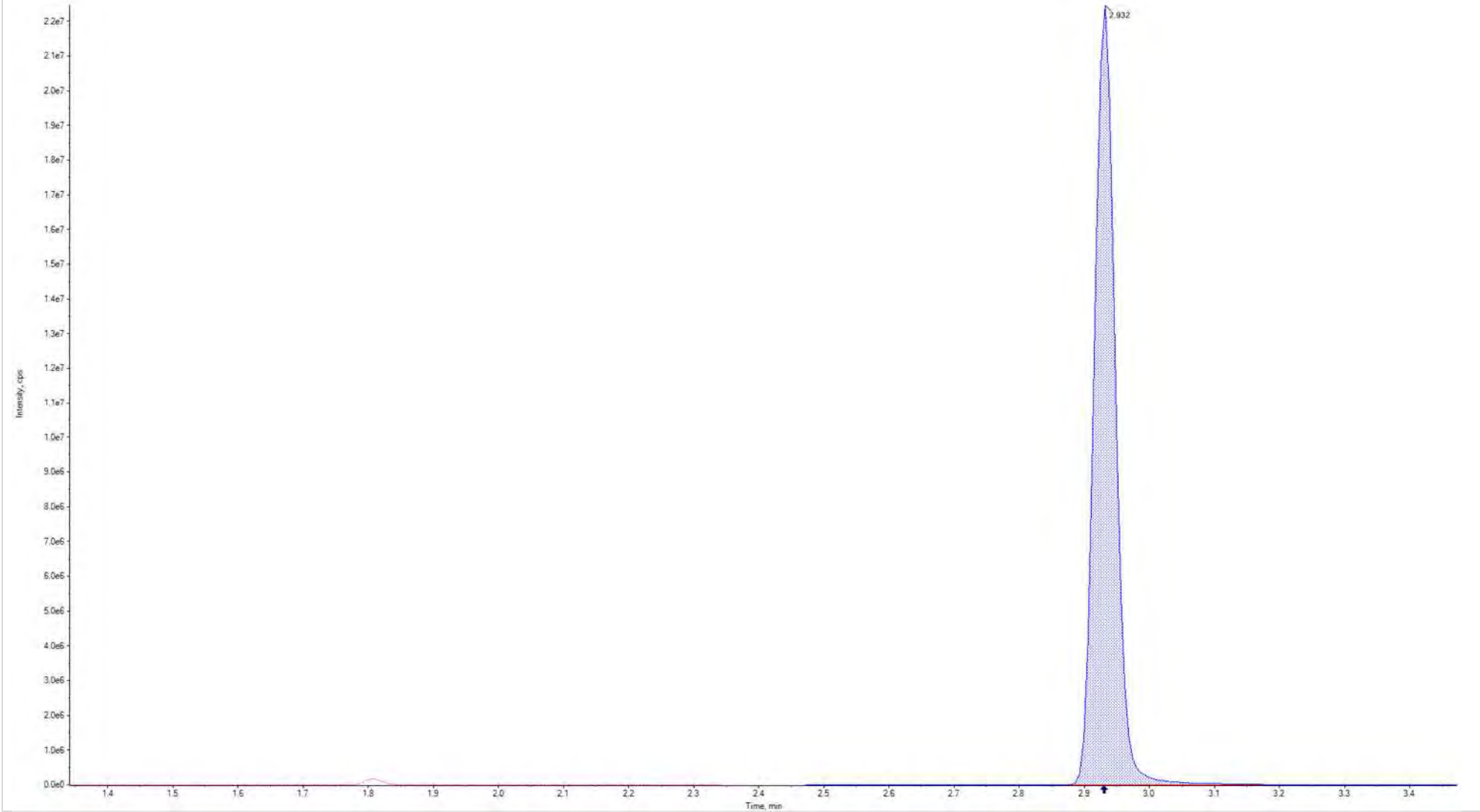
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

3:3FTCA_2
Sample: IA1633STD-62.5 S/N:18182.0 Points Across peak:51



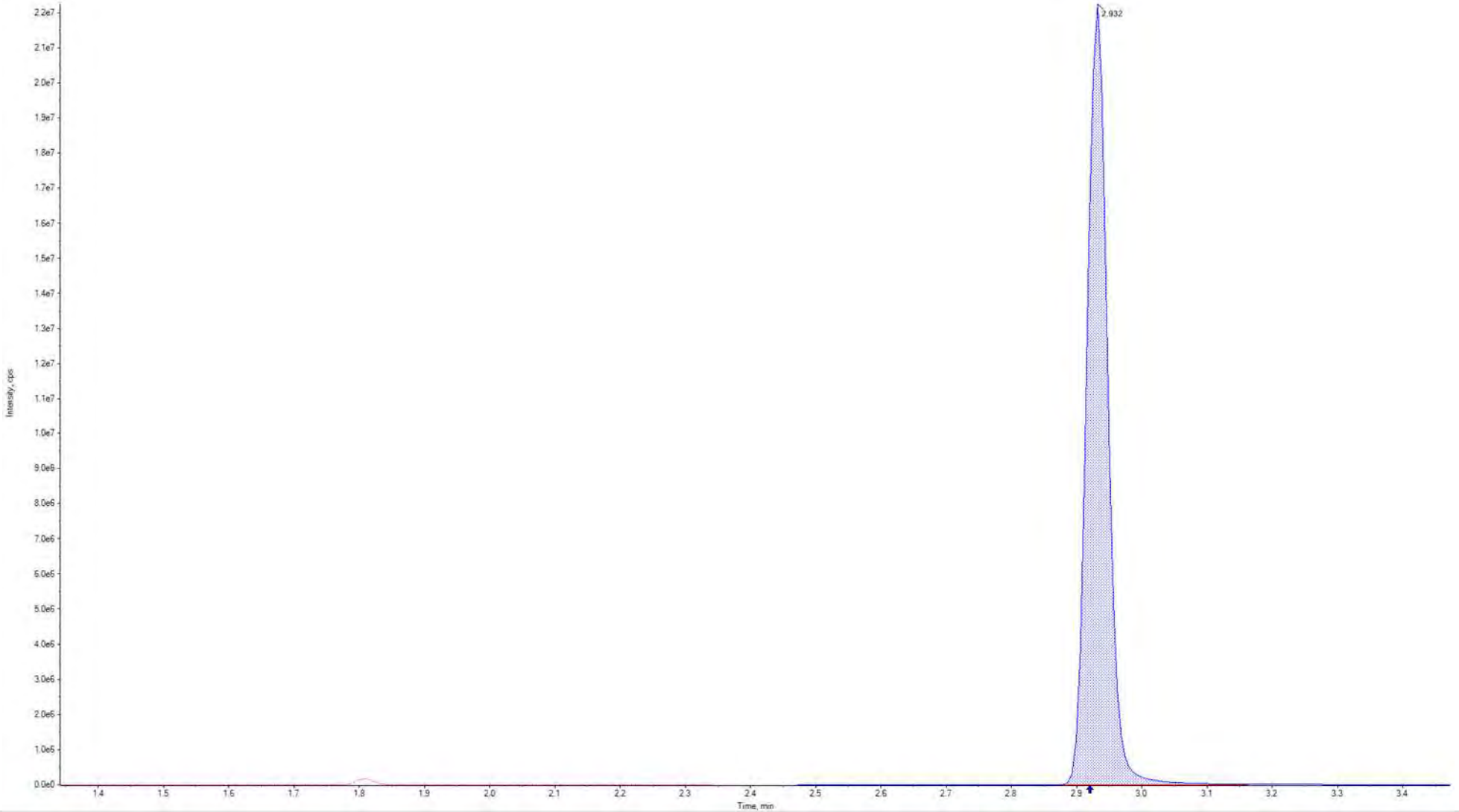
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

5:3FTCA
Sample: IA1633STD-62.5 S/N:41174.7 Points Across peak:67



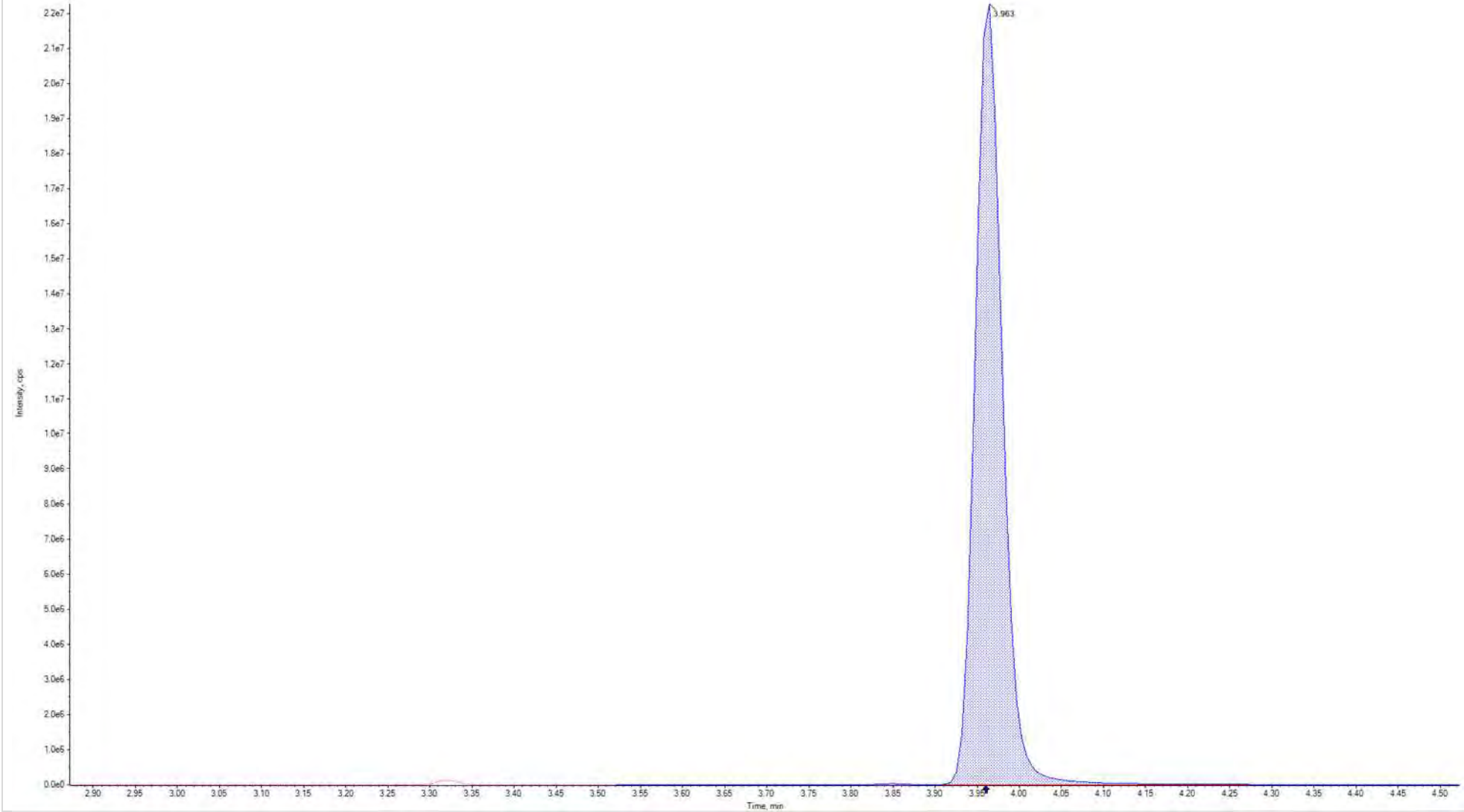
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

5:3FTCA_2
Sample: IA1633STD-62.5 S/N:23487.3 Points Across peak:51



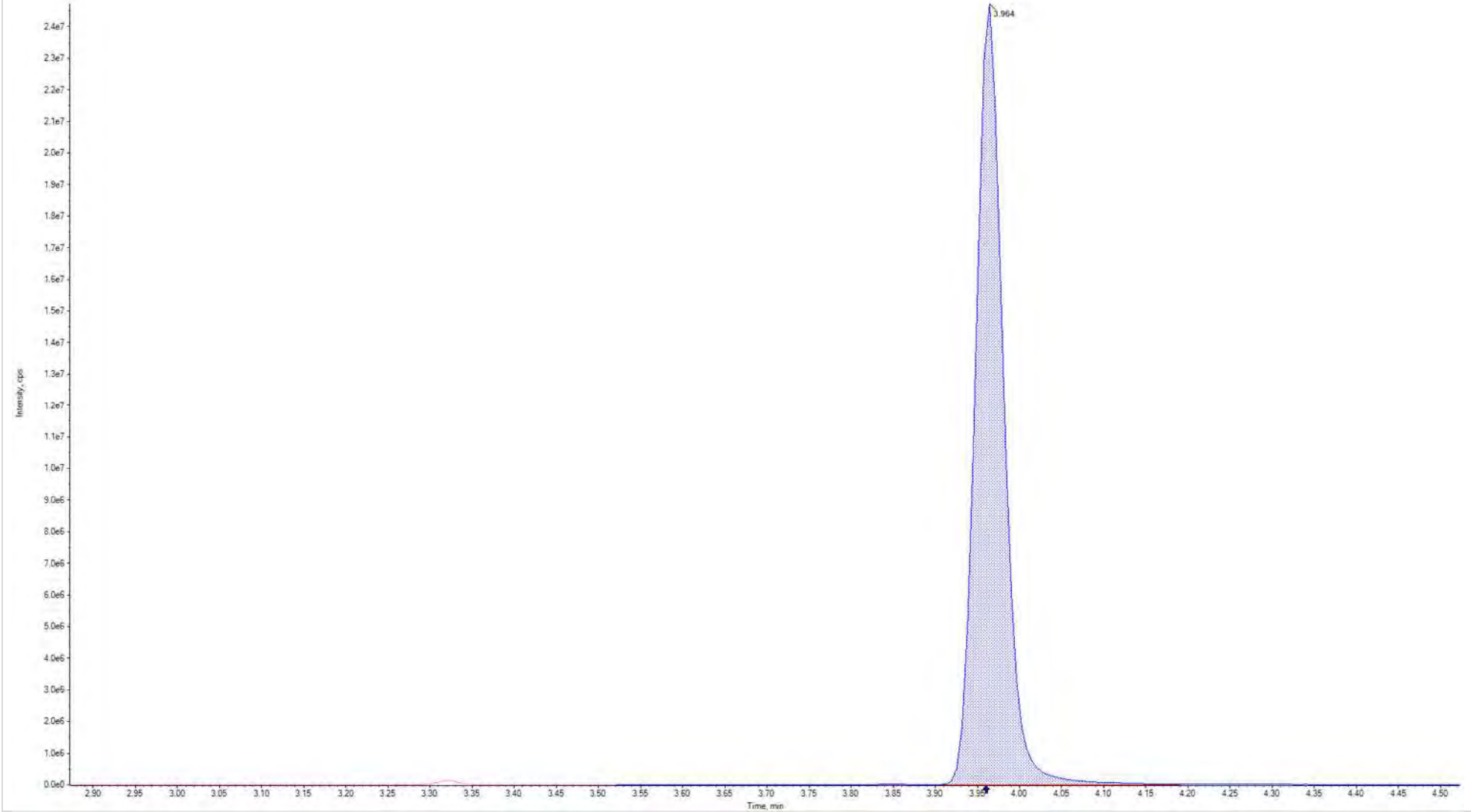
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

7:3FTCA
Sample: IA1633STD-62.5 S/N:17938.9 Points Across peak:63



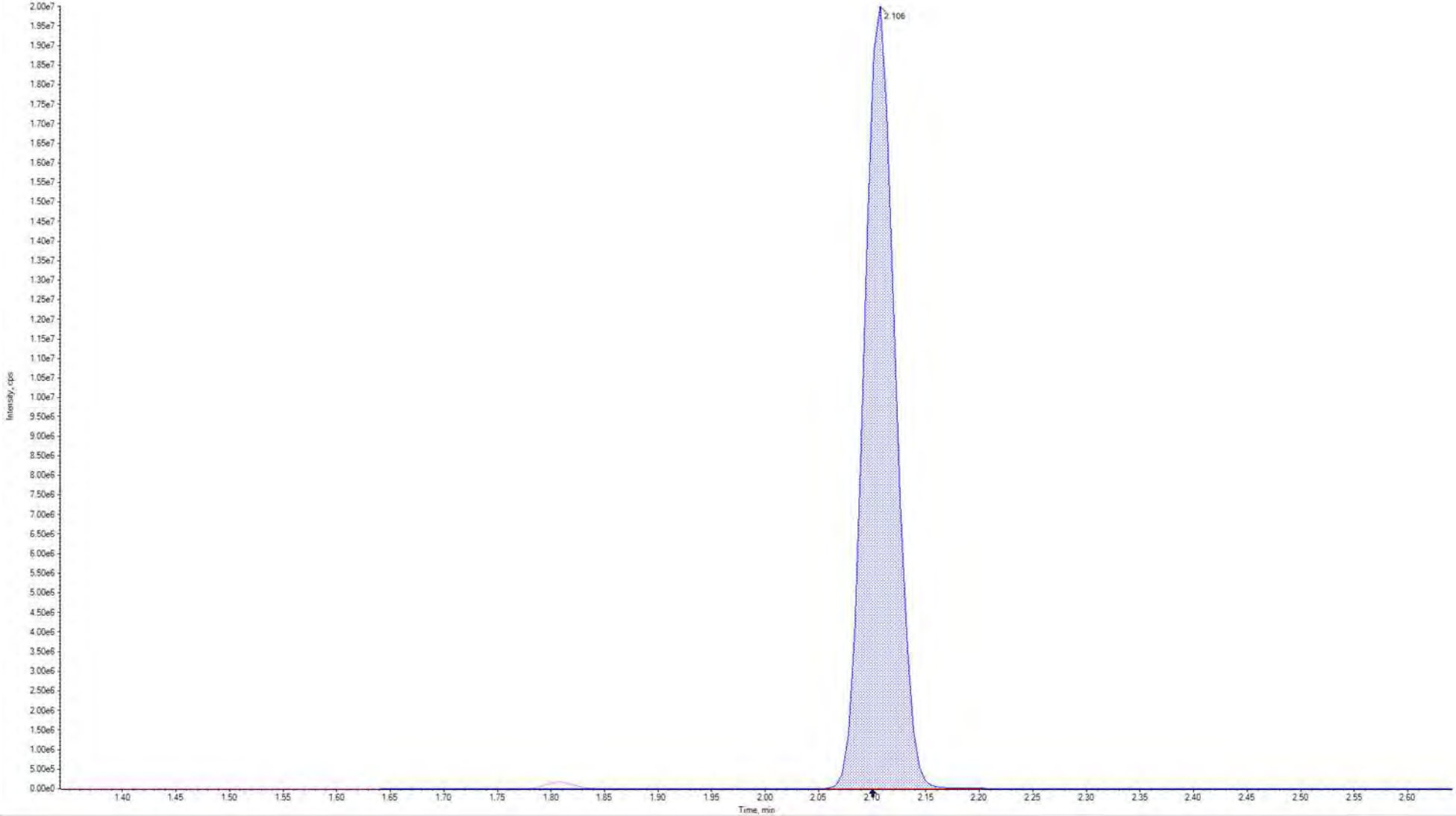
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

7:3FTCA_2
Sample: IA1633STD-62.5 S/N:27719.8 Points Across peak:48



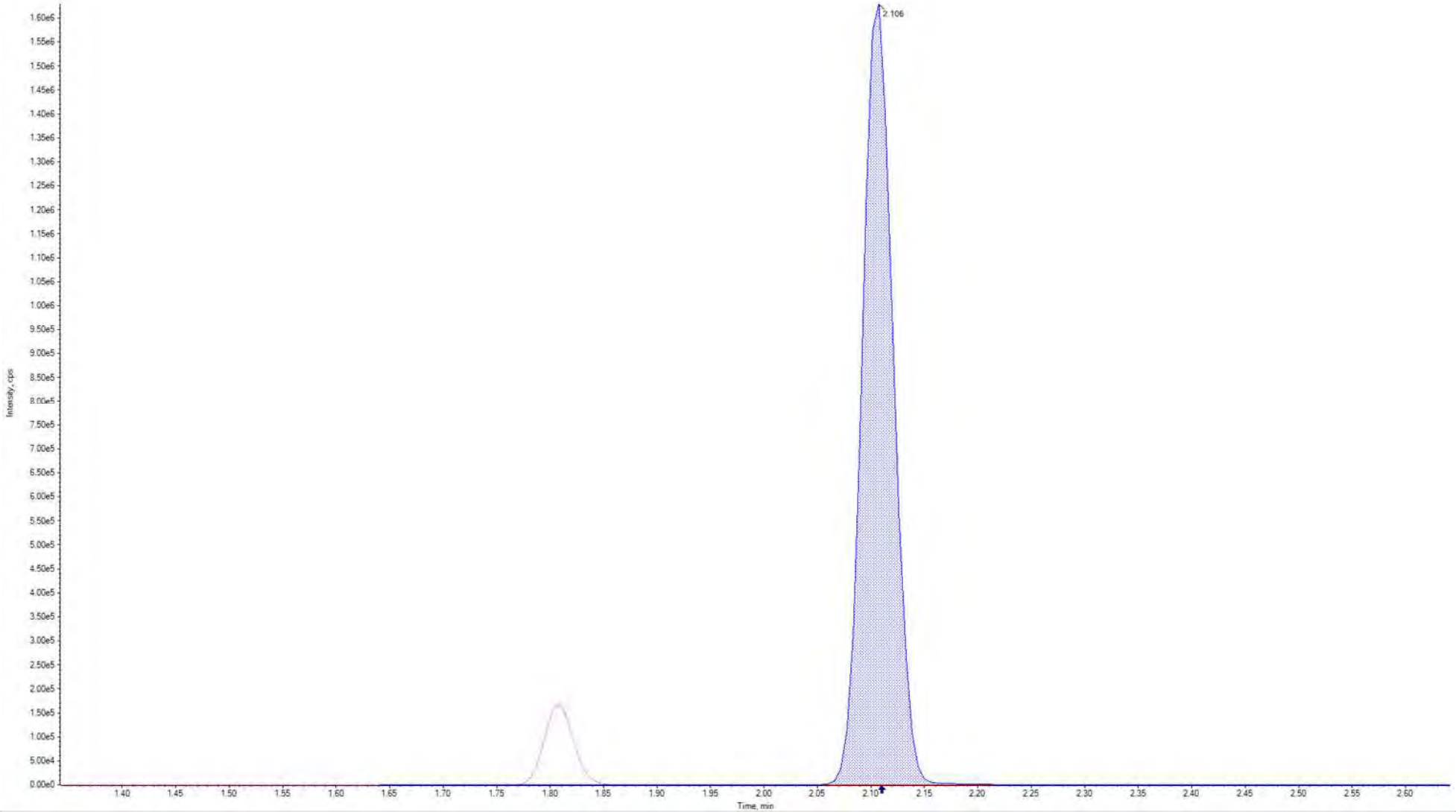
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFEESA
Sample: IA1633STD-62.5 S/N:451297.4 Points Across peak:51



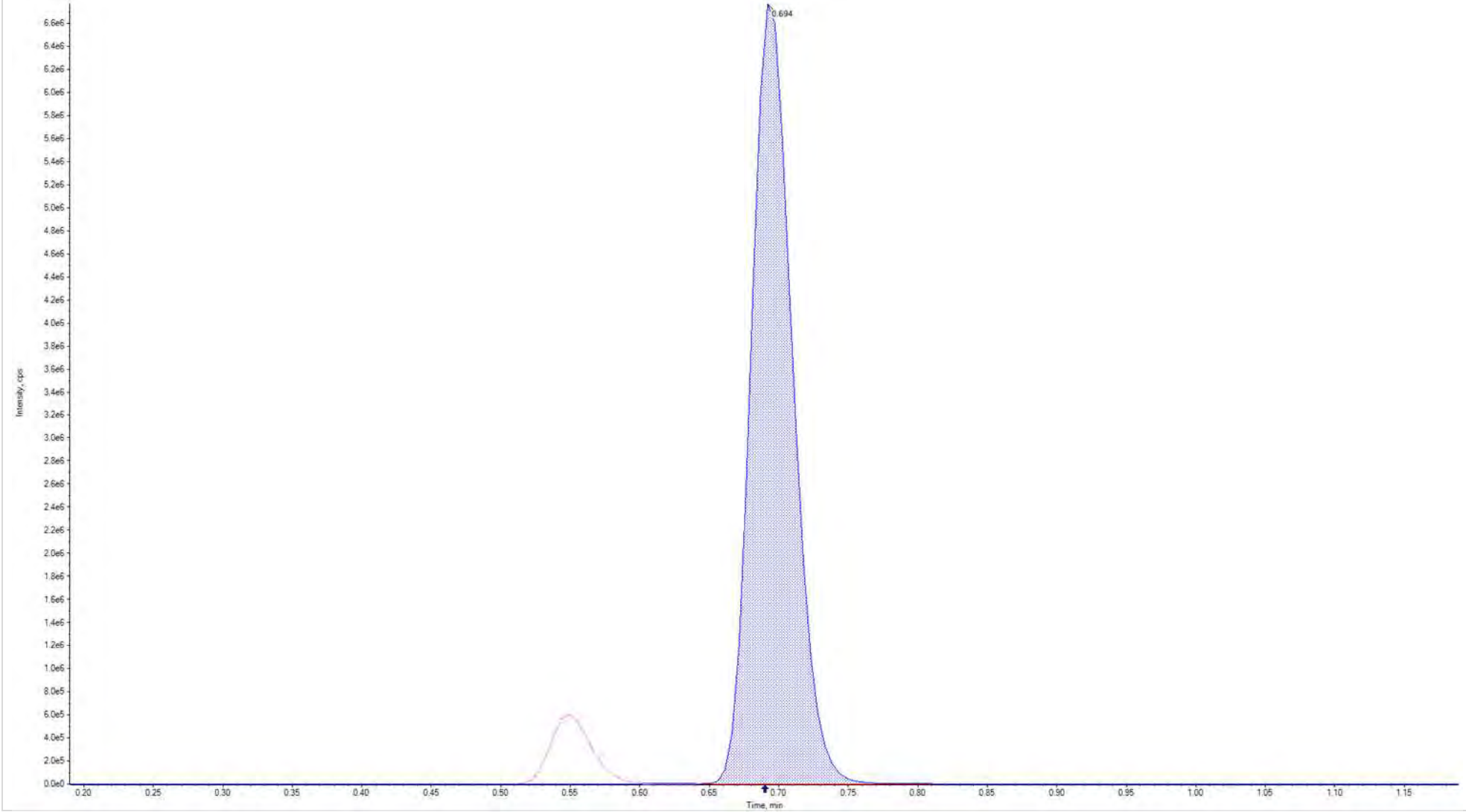
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFEESA_2
Sample: IA1633STD-62.5 S/N:15206.3 Points Across peak:39



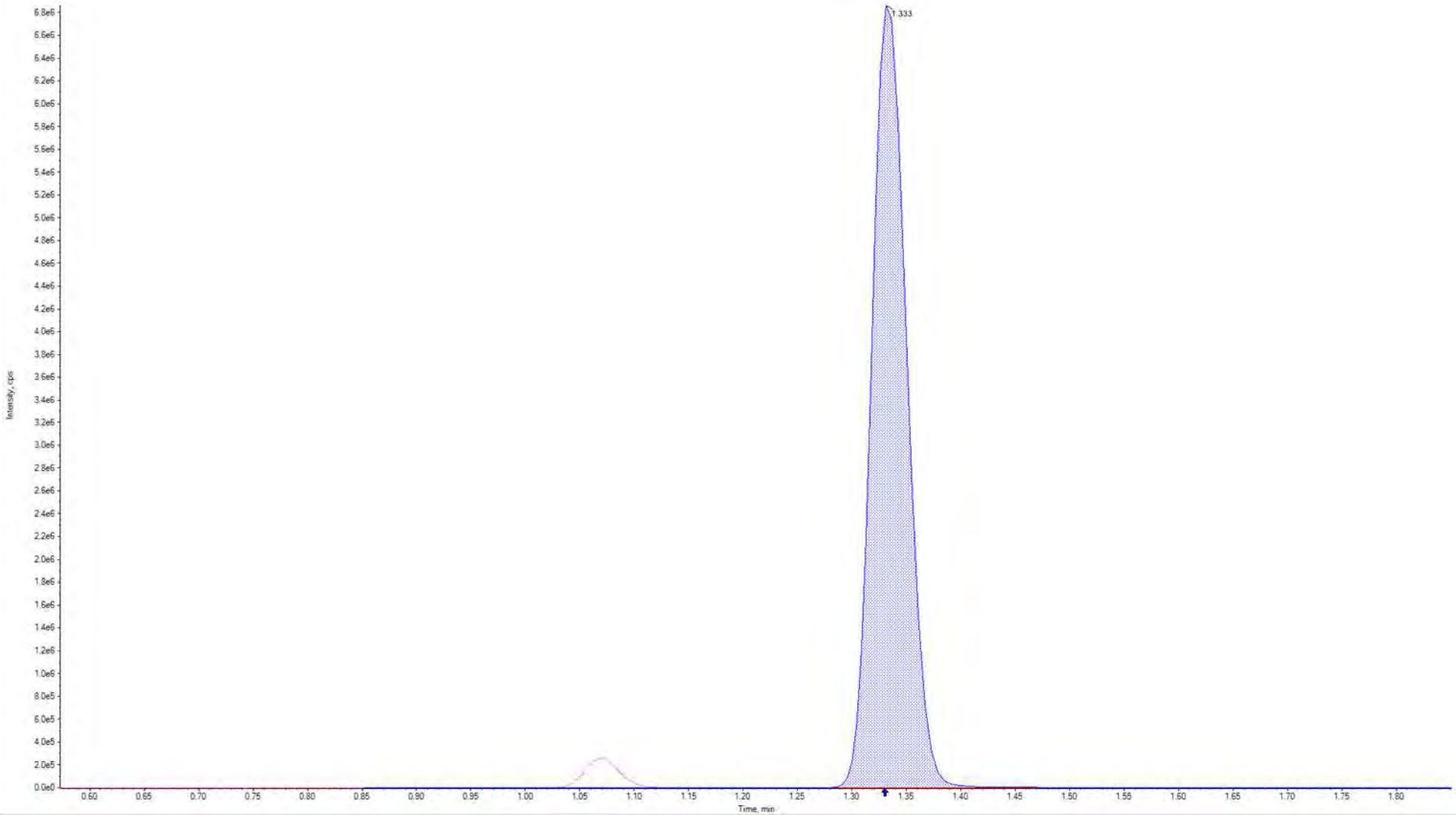
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFMPA
Sample: IA1633STD-62.5 S/N:22149.8 Points Across peak:39



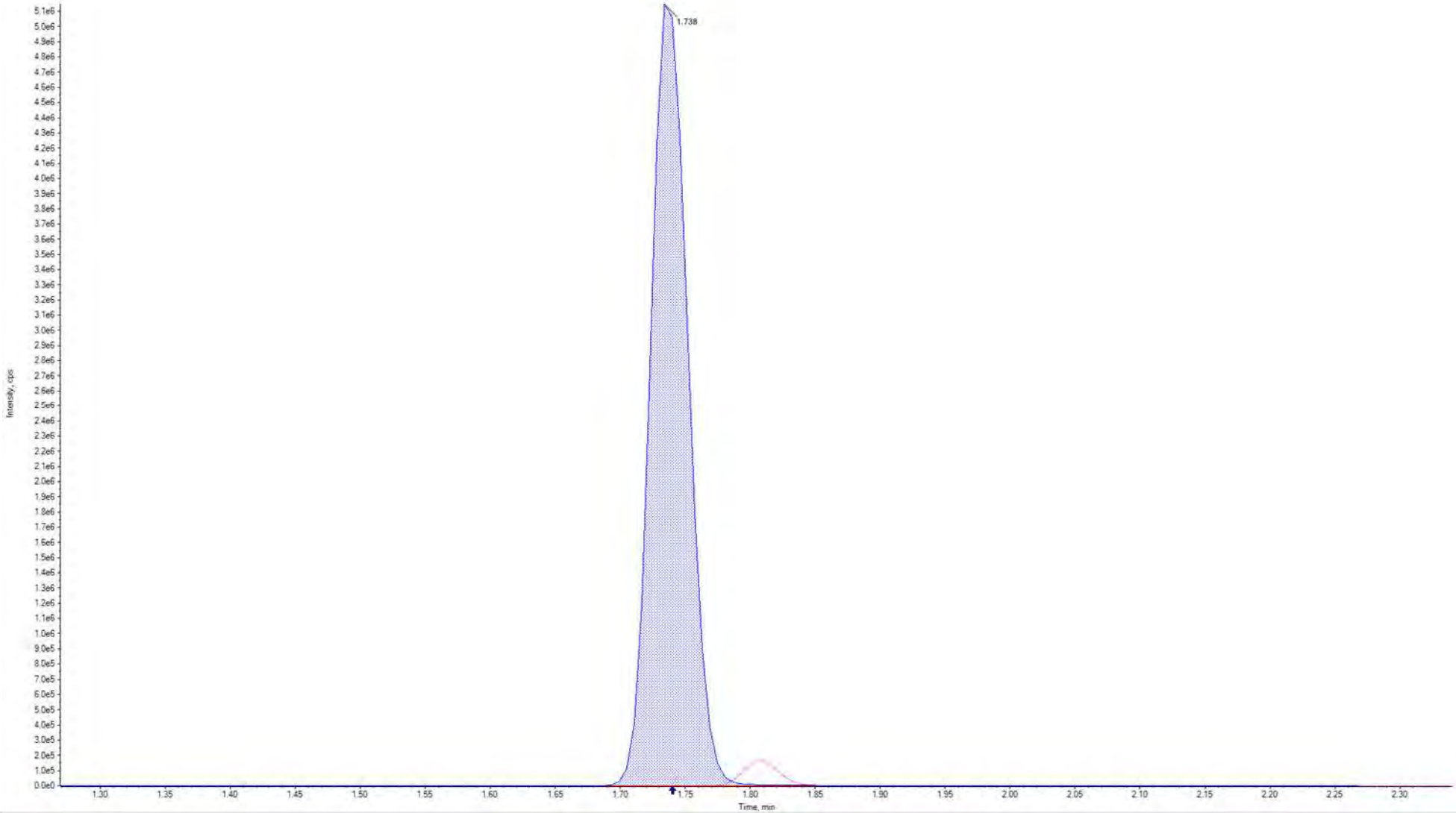
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

PFMBA
Sample: IA1633STD-62.5 S/N:50514.1 Points Across peak:44



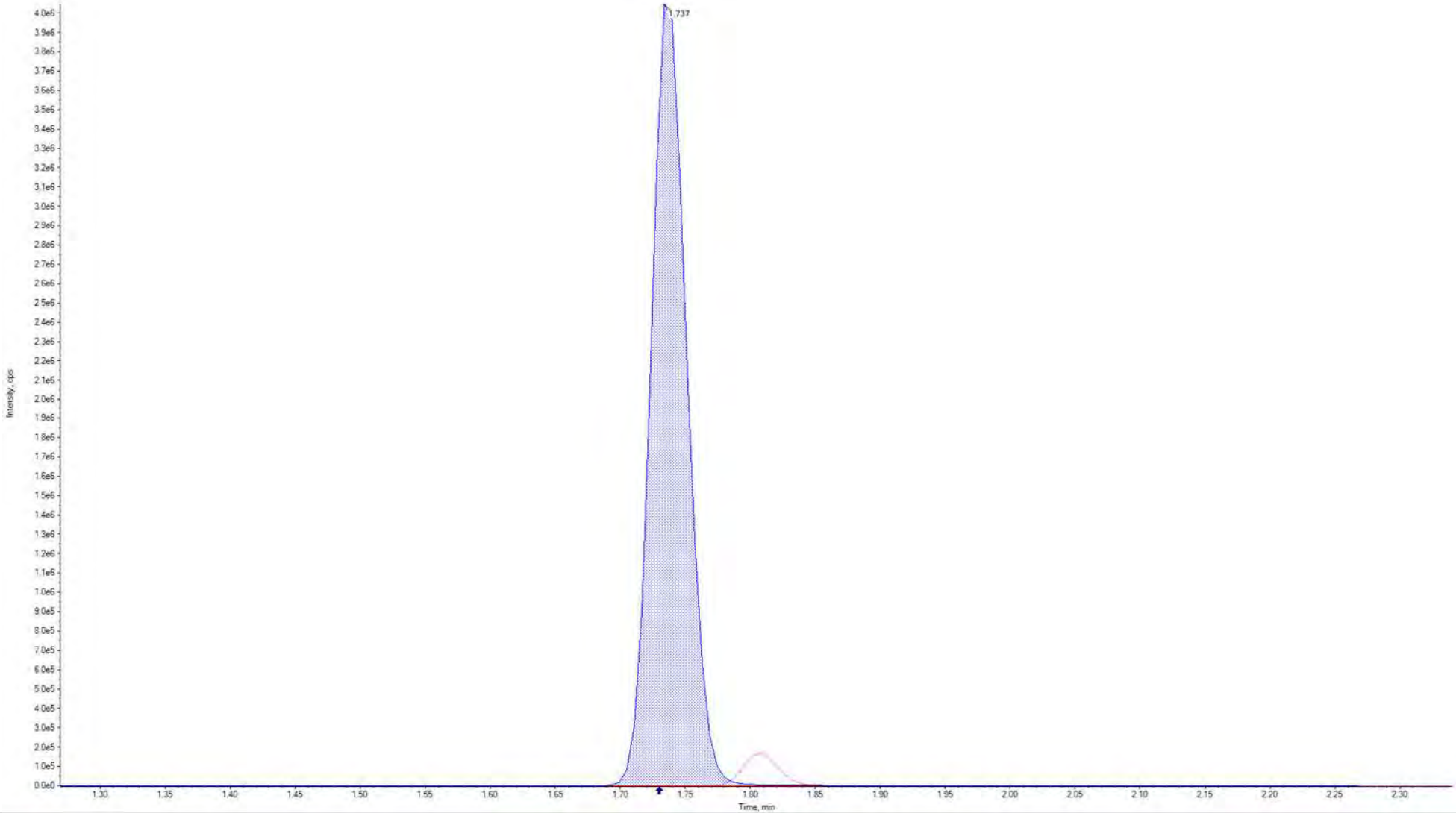
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NFDHA
Sample: IA1633STD-62.5 S/N:9952.0 Points Across peak:43



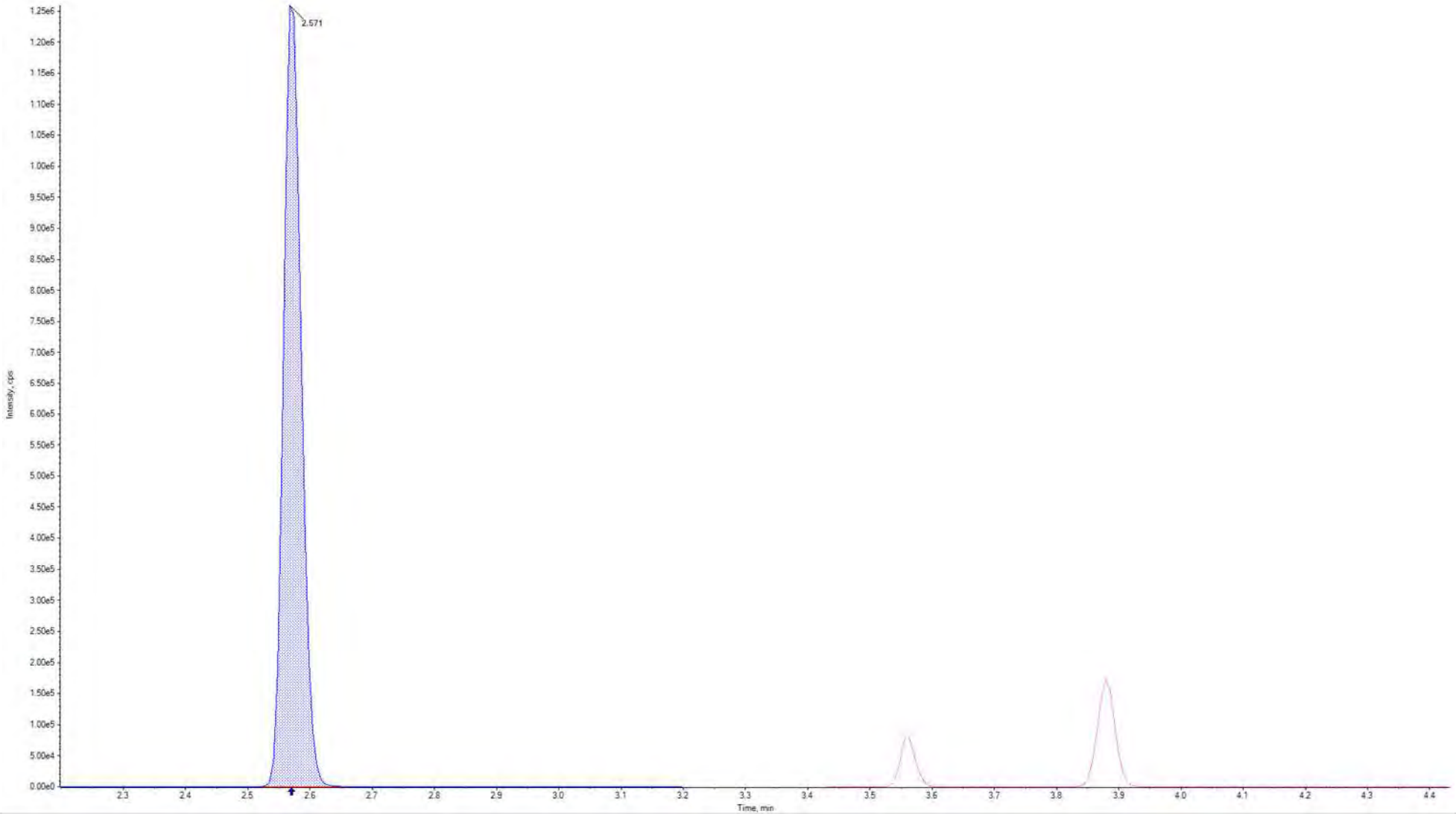
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

NFDHA_2
Sample: IA1633STD-62.5 S/N:111603.7 Points Across peak:40



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

TDCA
Sample: IA1633STD-62.5 S/N:8641.0 Points Across peak:27

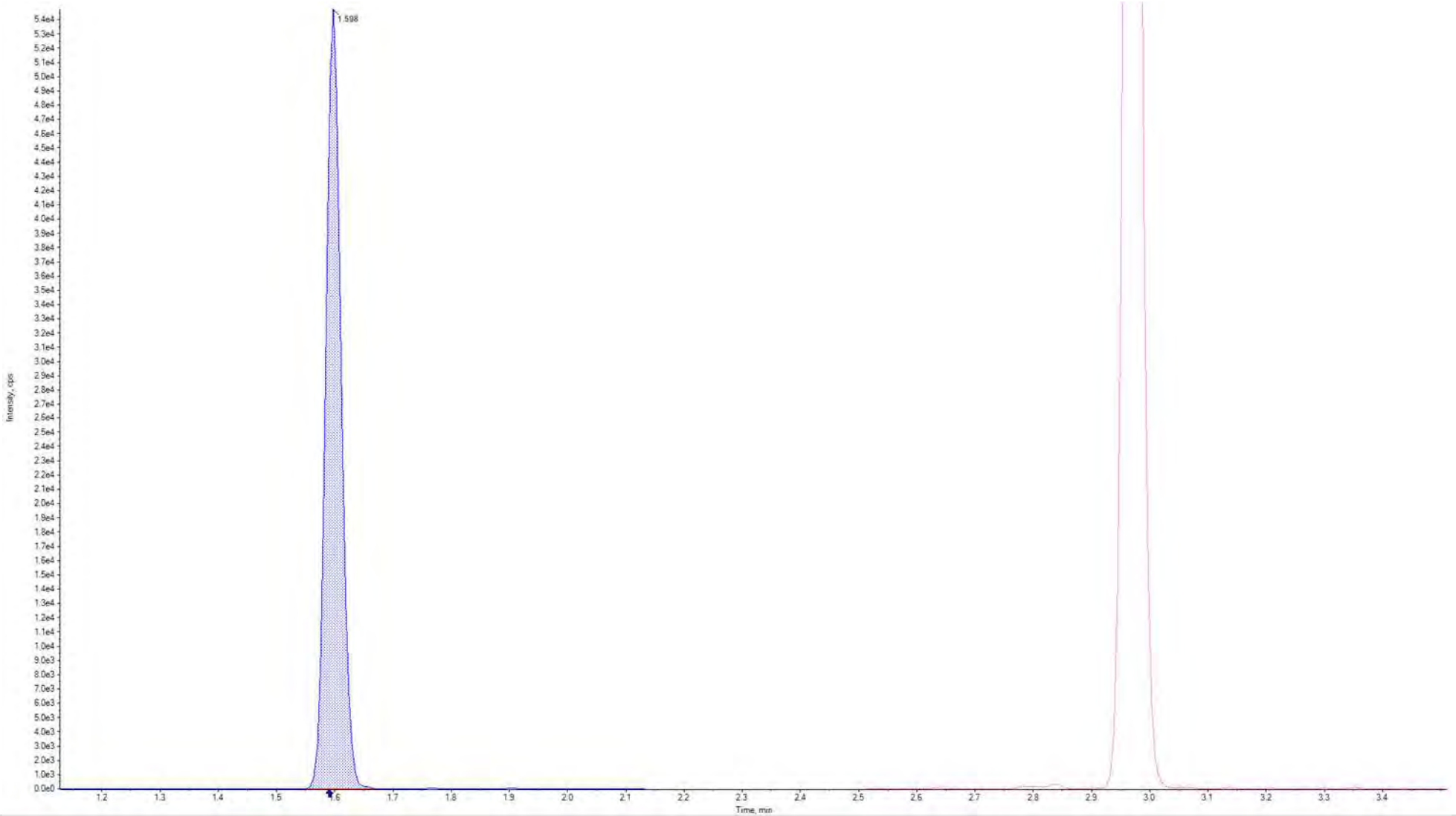


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

TDCA_2
Sample: IA1633STD-62.5 S/N:134646.6 Points Across peak:37

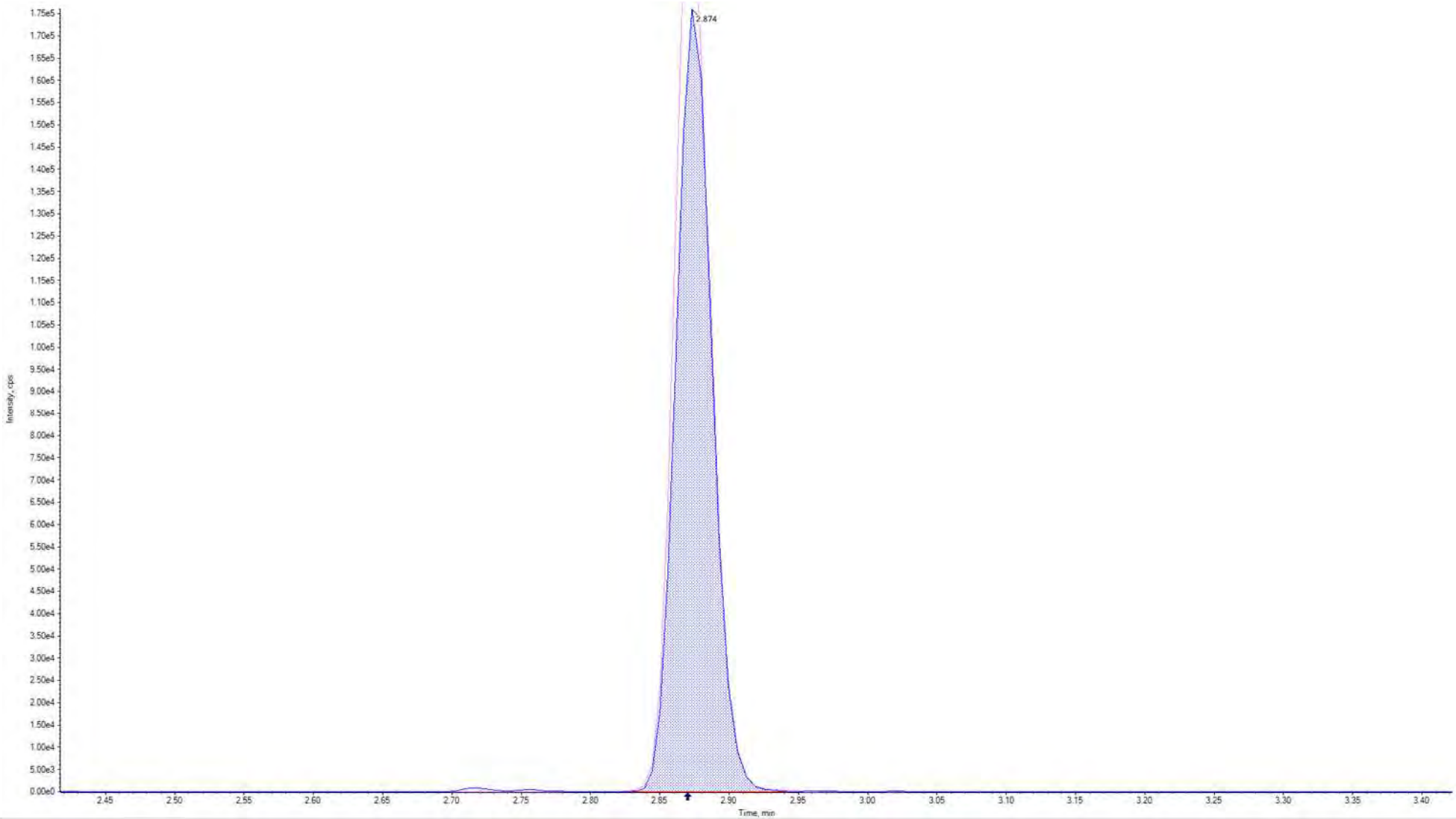
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

13C2D4-4:2FTS
Sample: IA1633STD-62.5 S/N:2058.1 Points Across peak:26

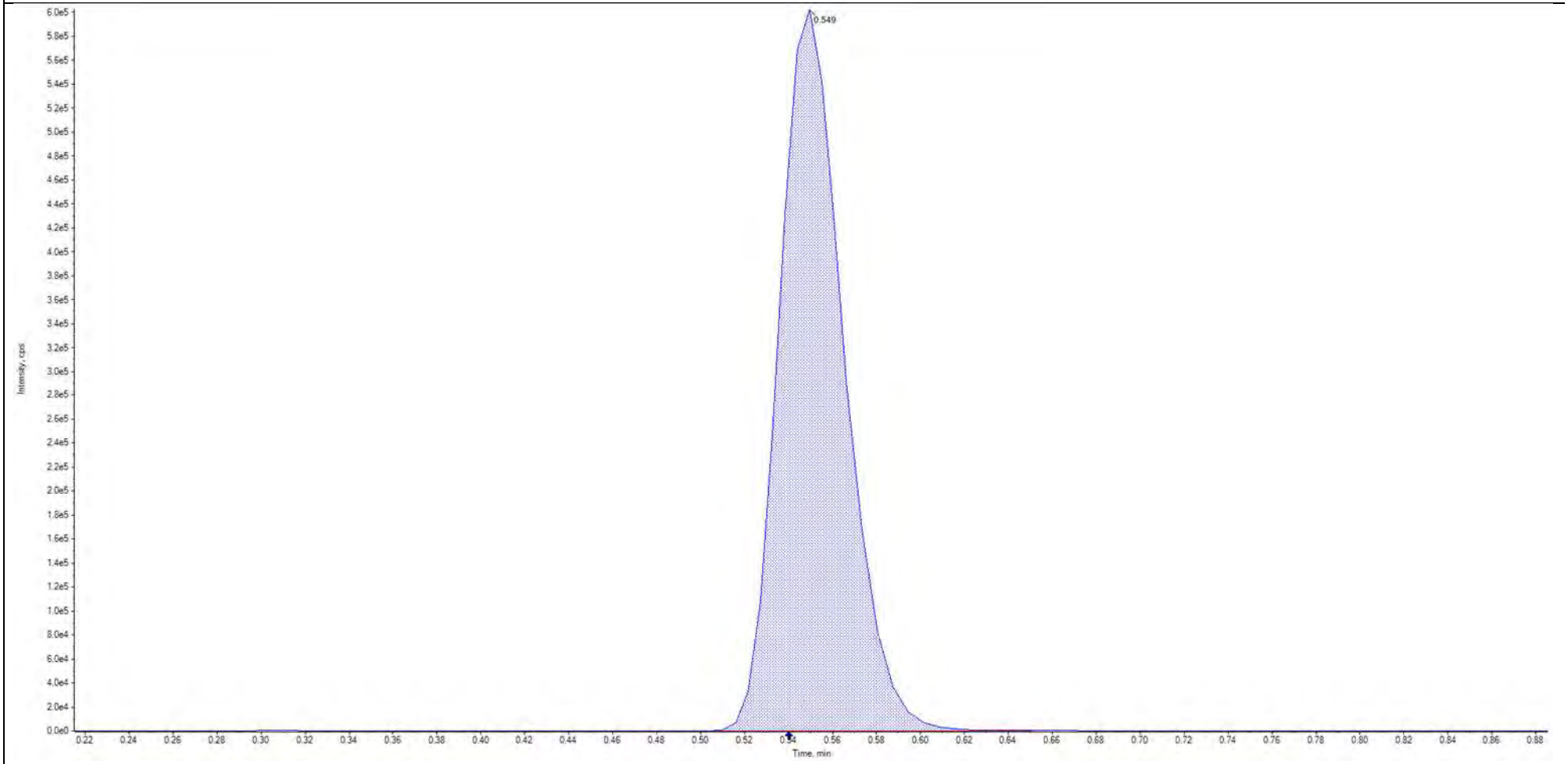


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

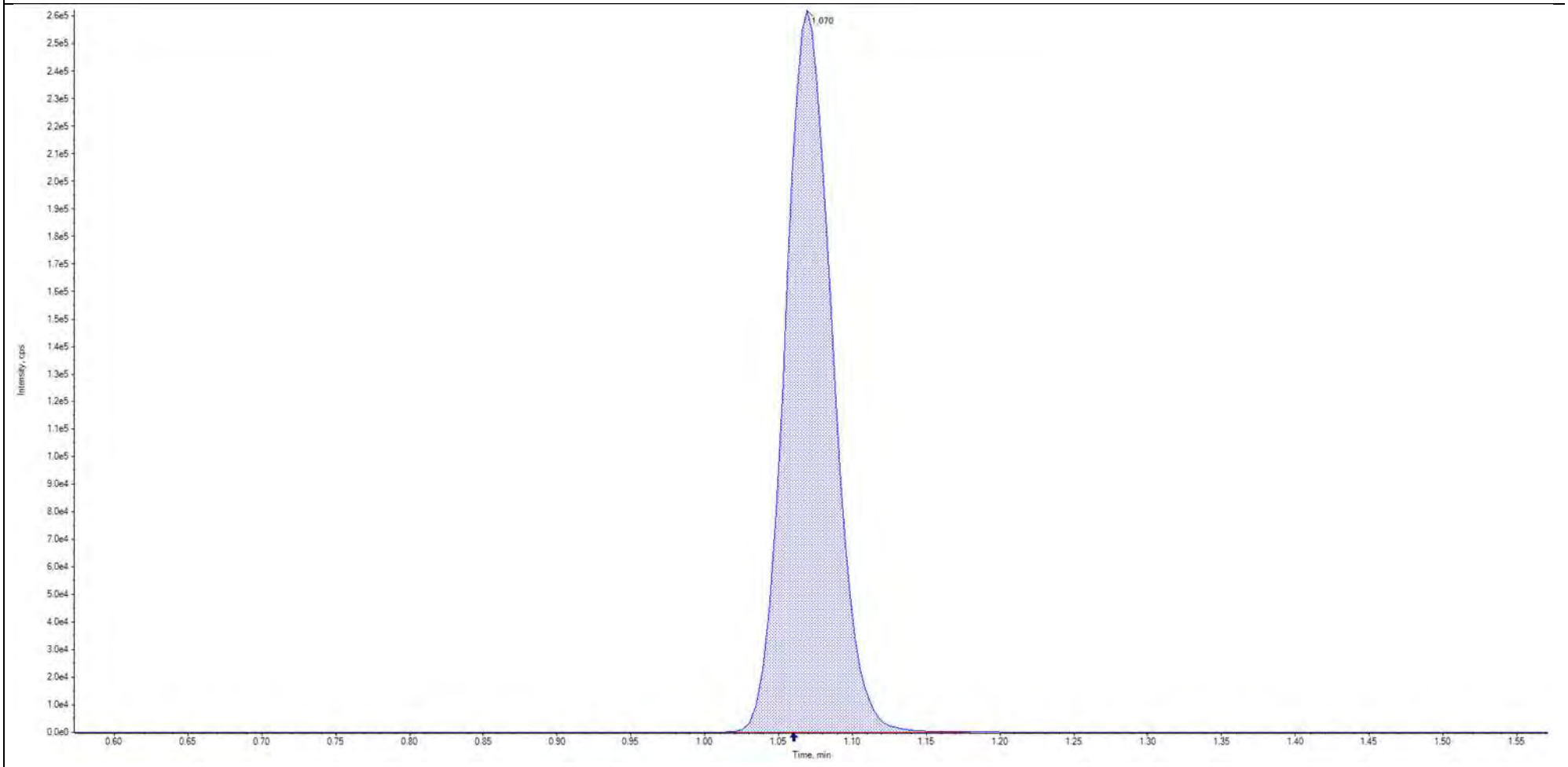
13C2-PFOA
Sample: IA1633STD-62.5 S/N:3971.0 Points Across peak:24



13C4-PFBA
Sample: IA1633STD-62.5

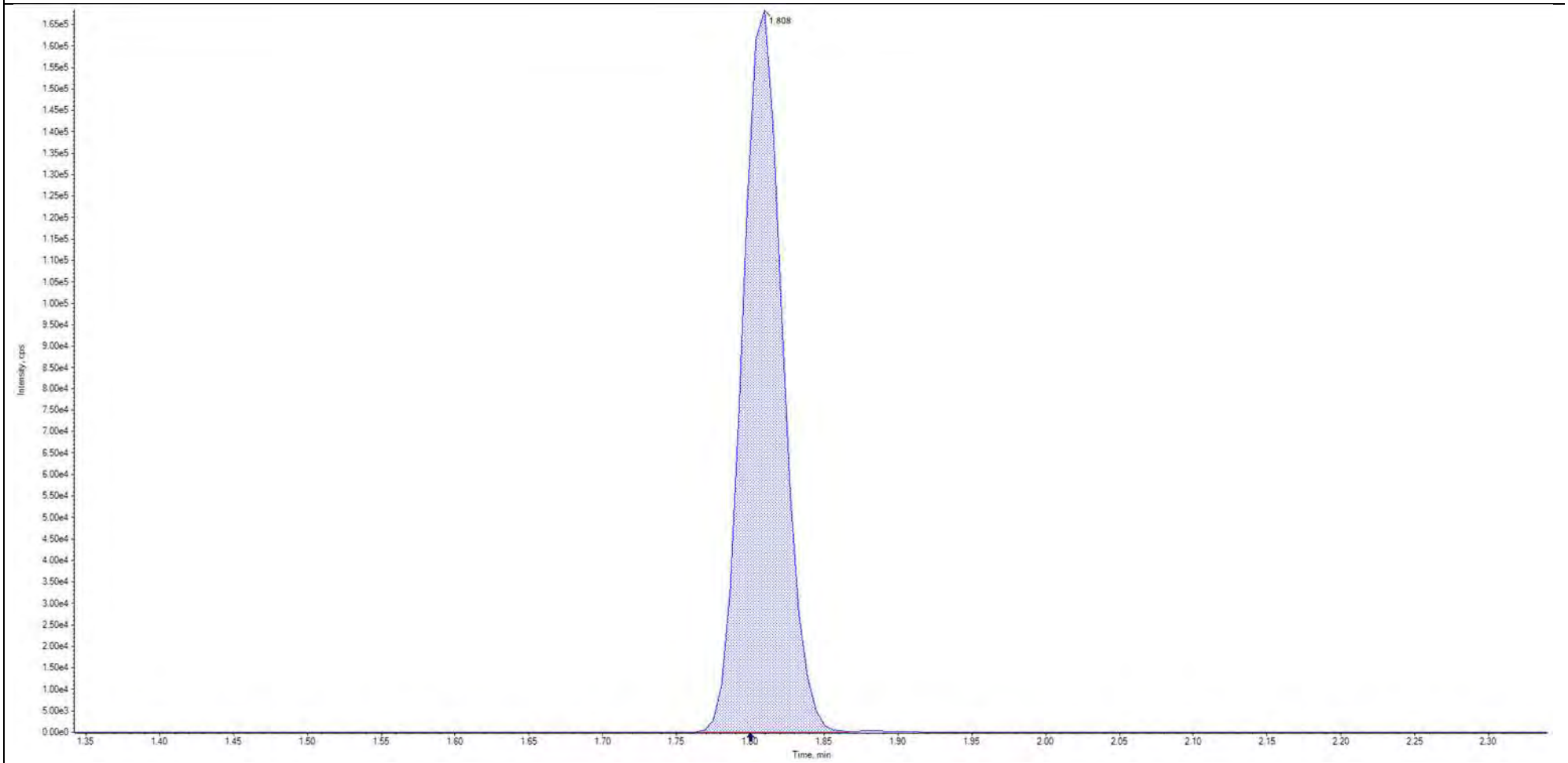


13C5-PFPeA
Sample: IA1633STD-62.5

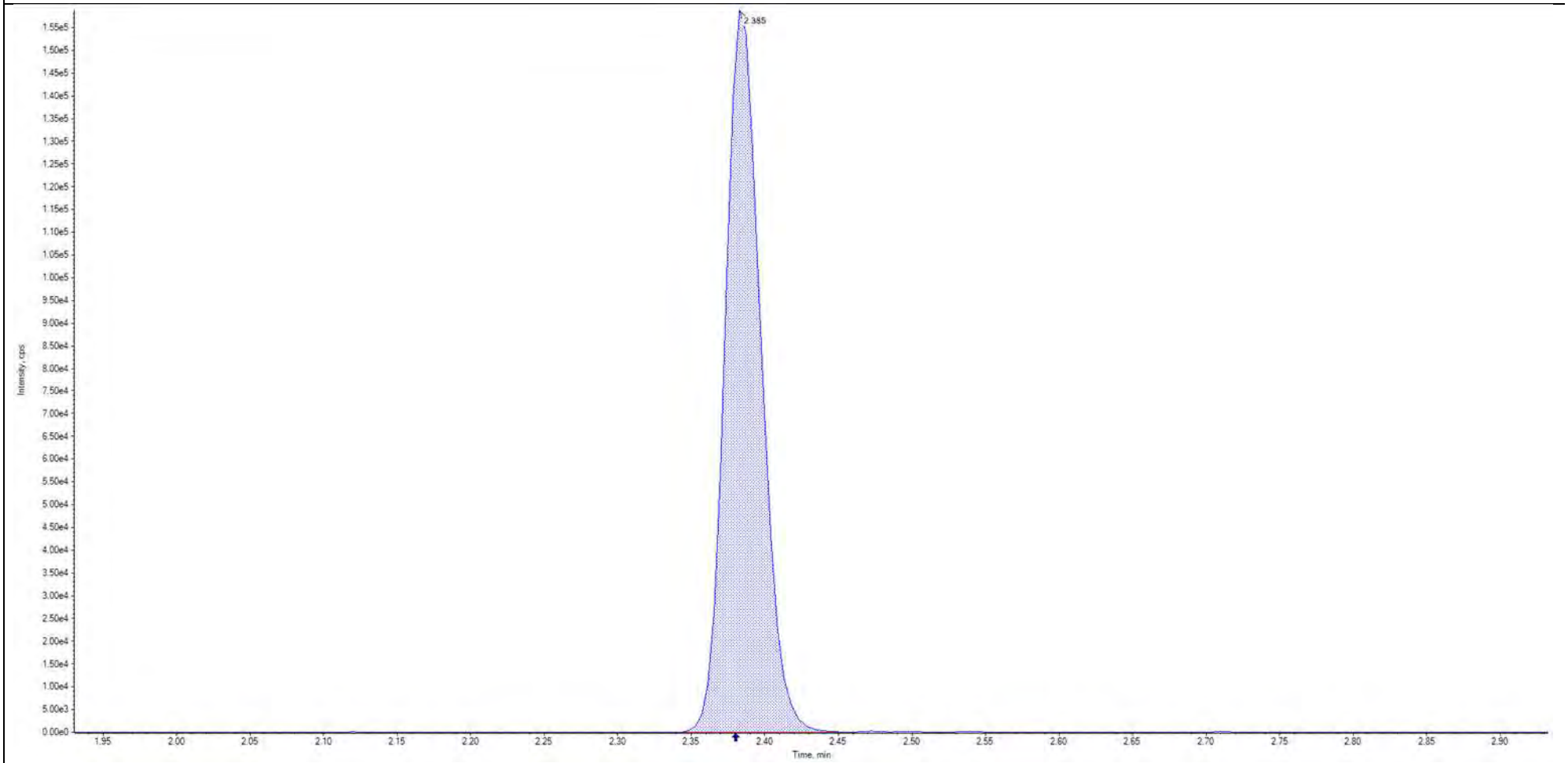


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_24.wiff2_9
Last Altered: 11/12/2024 3:16:42 PM
Generated: 11/12/2024 2:03:37 PM

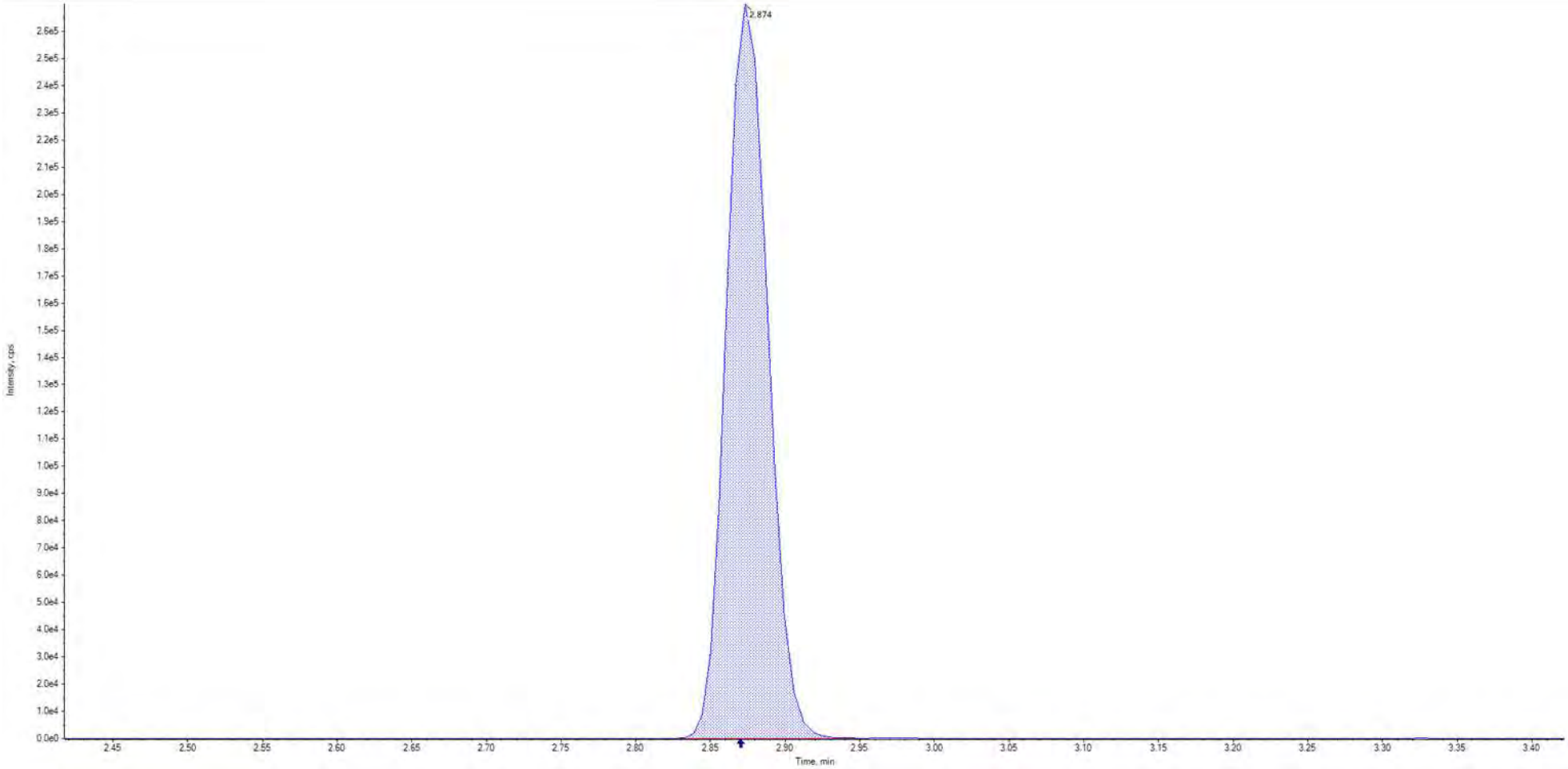
13C5-PFHxA
Sample: IA1633STD-62.5



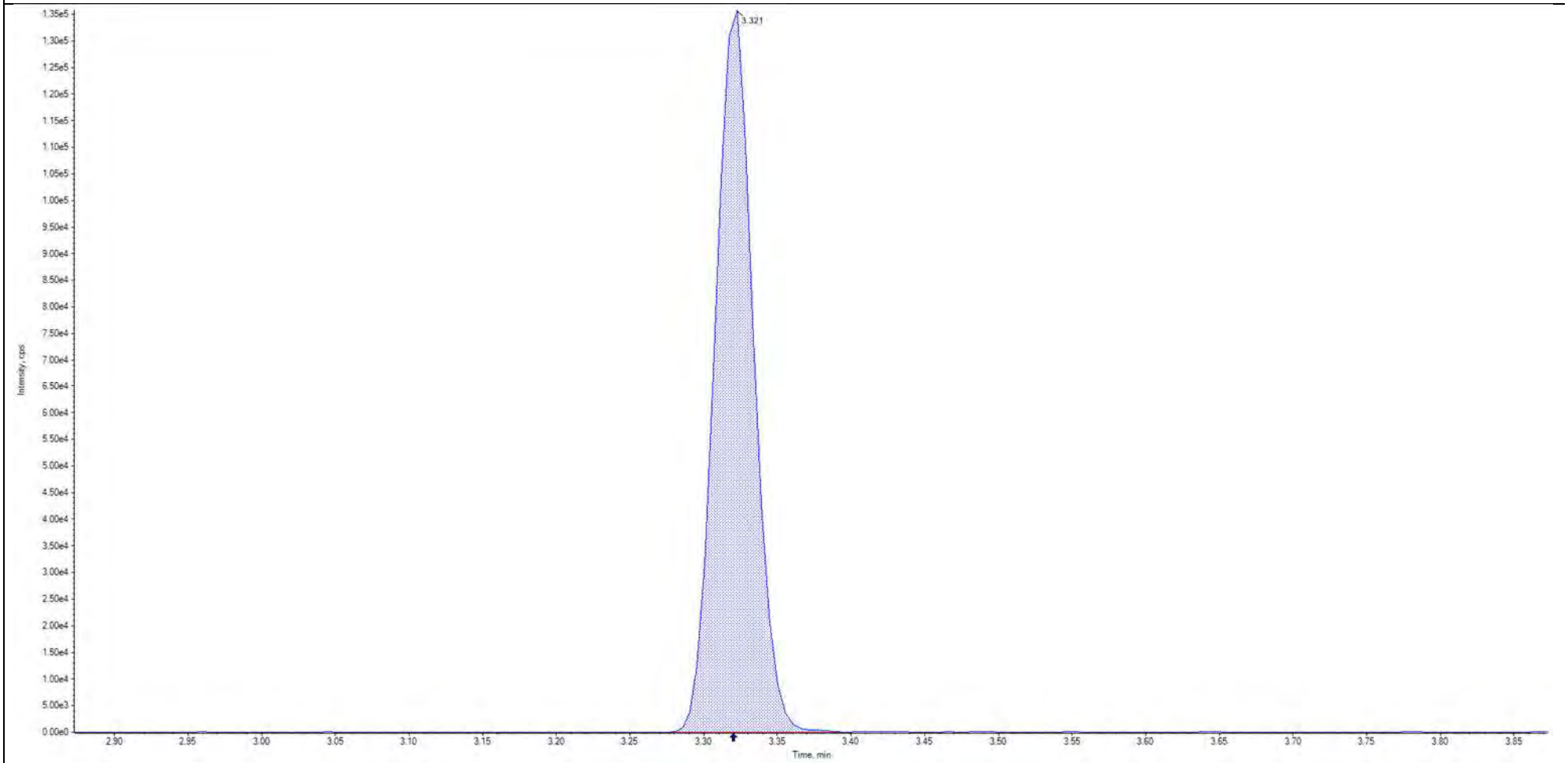
13C4-PFHpA
Sample: IA1633STD-62.5



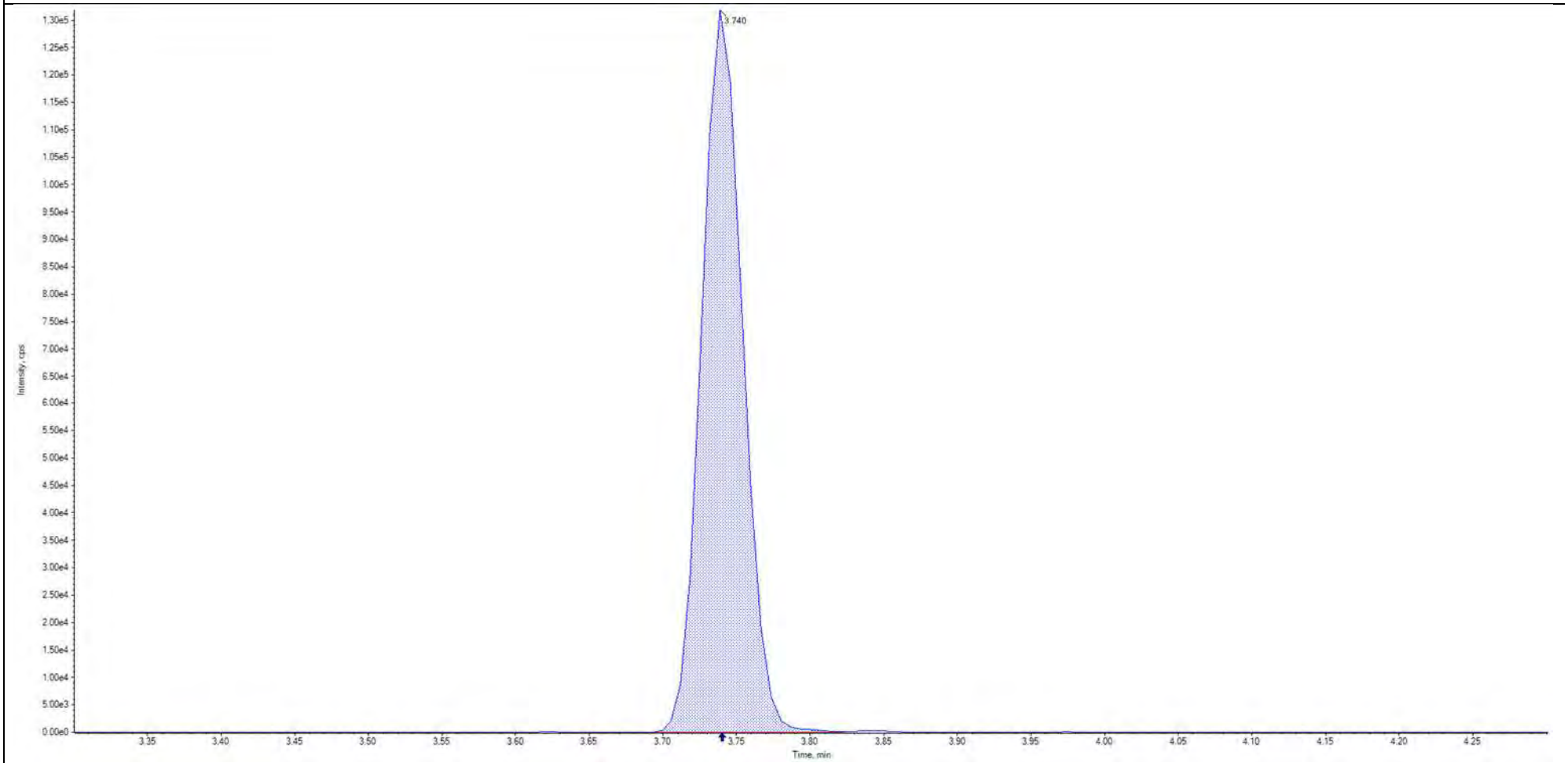
13C8-PFOA
Sample: IA1633STD-62.5



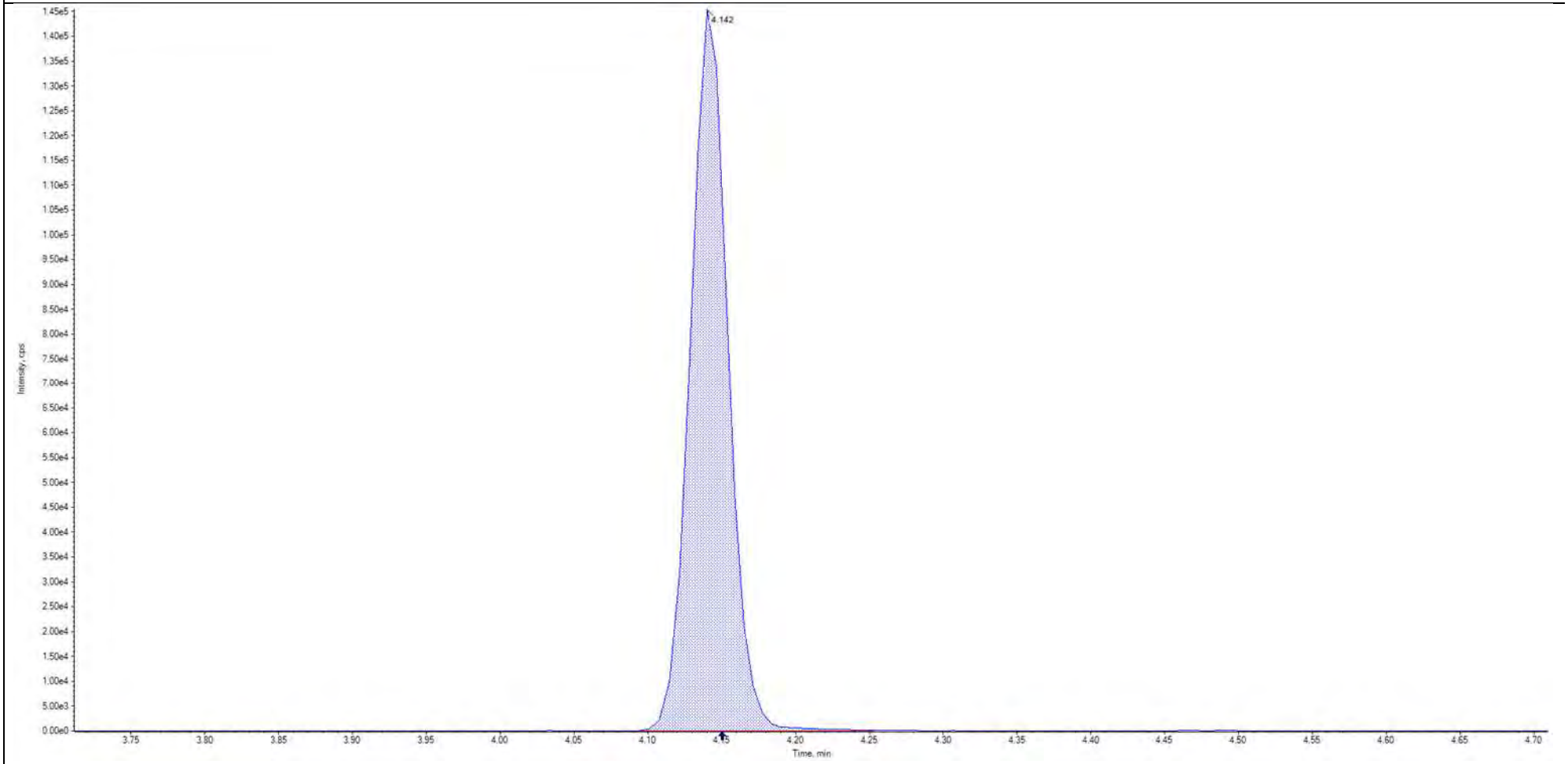
13C9-PFNA
Sample: IA1633STD-62.5



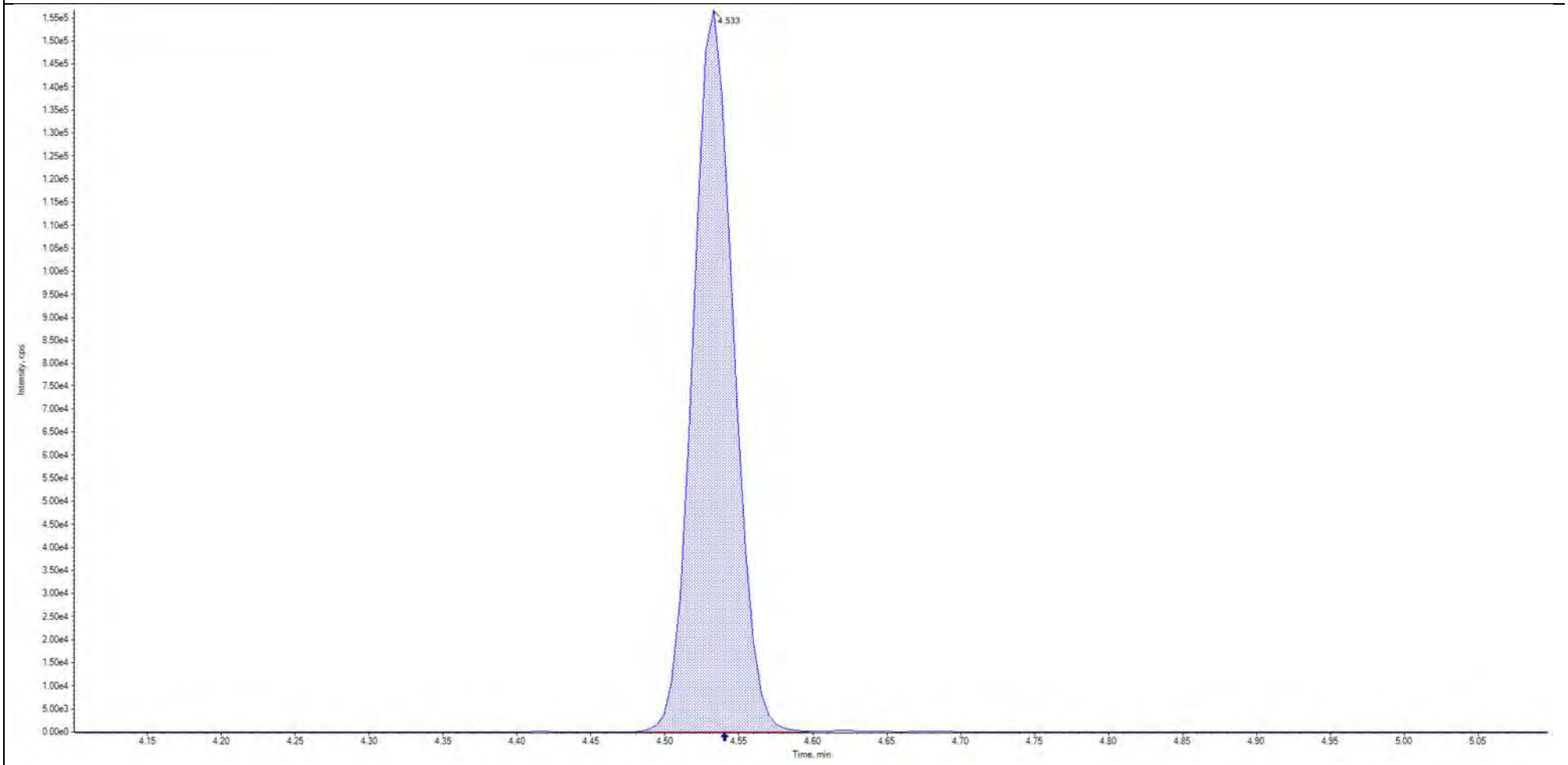
13C6-PFDA
Sample: IA1633STD-62.5



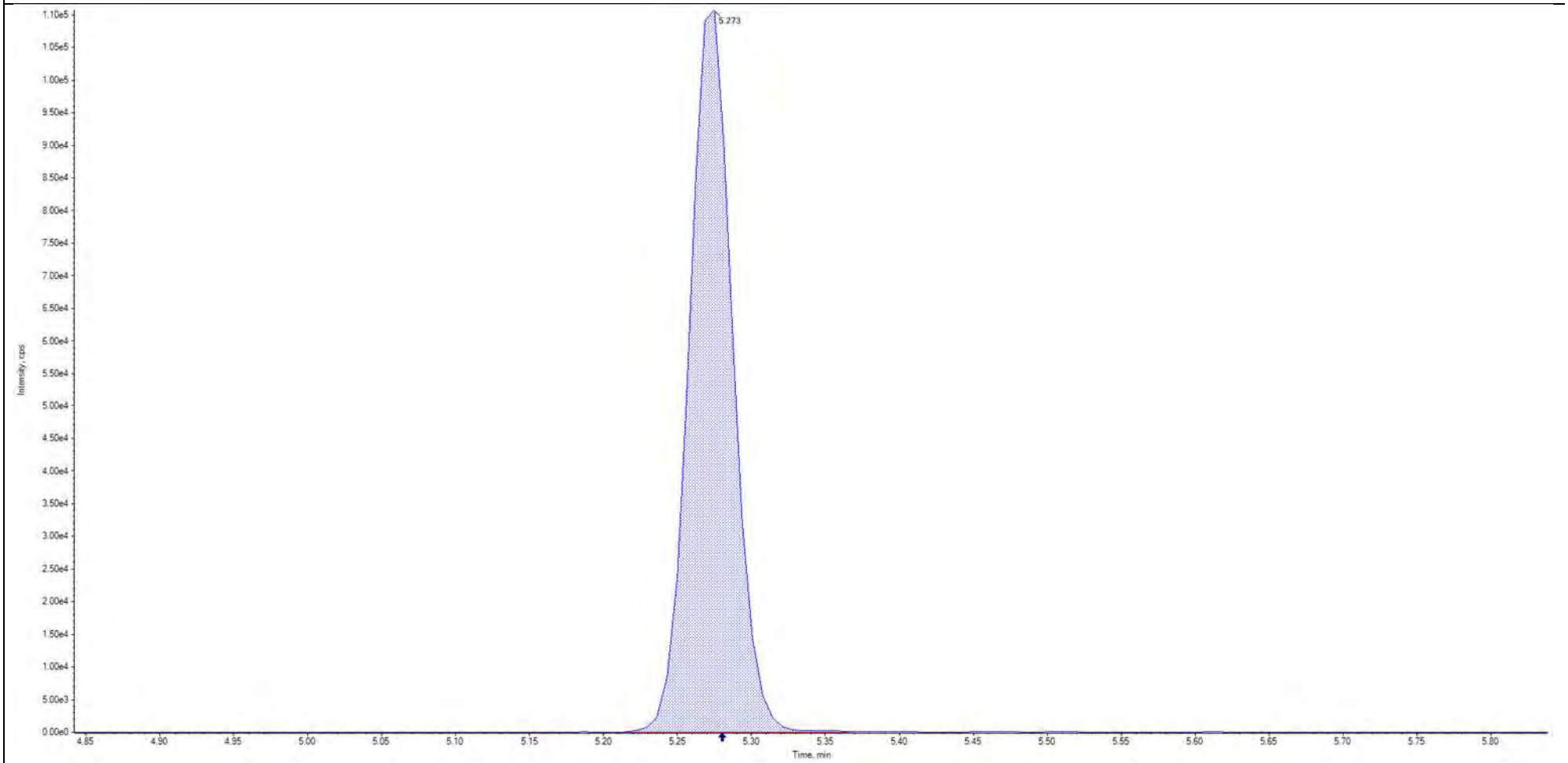
13C7-PFUnA
Sample: IA1633STD-62.5



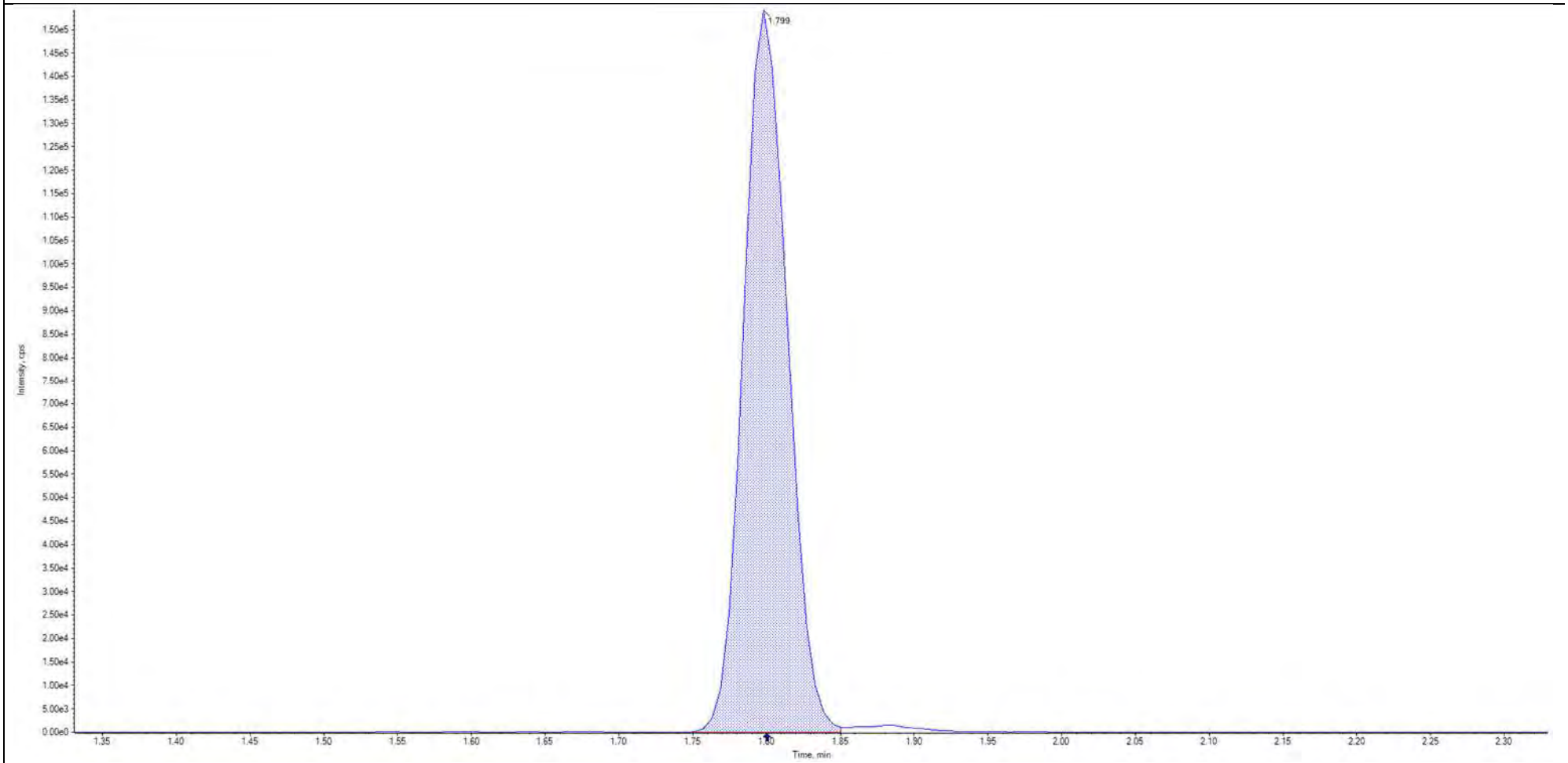
13C2-PFDoA
Sample: IA1633STD-62.5



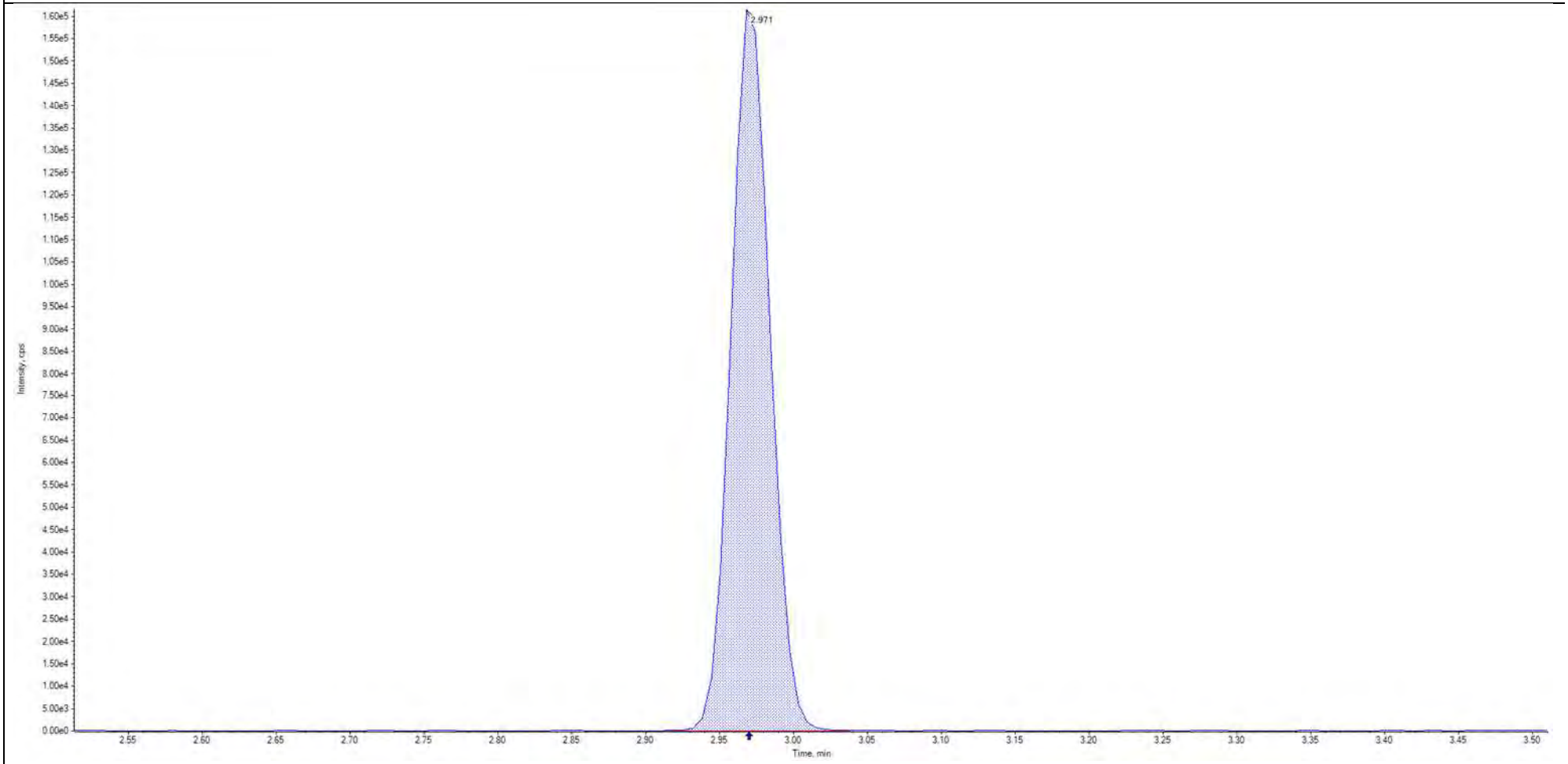
13C2-PFTeDA
Sample: IA1633STD-62.5



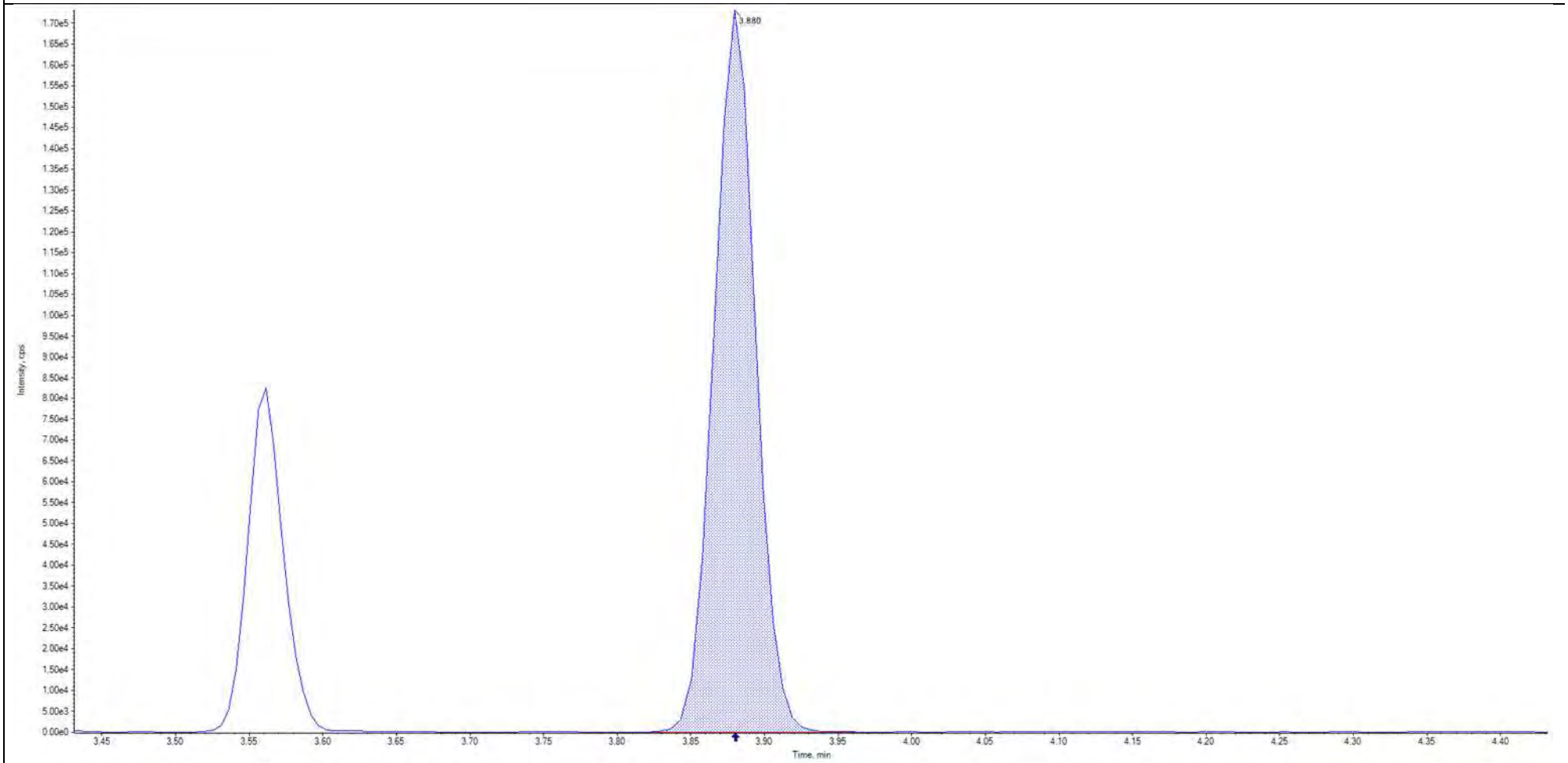
13C3-PFBS
Sample: IA1633STD-62.5



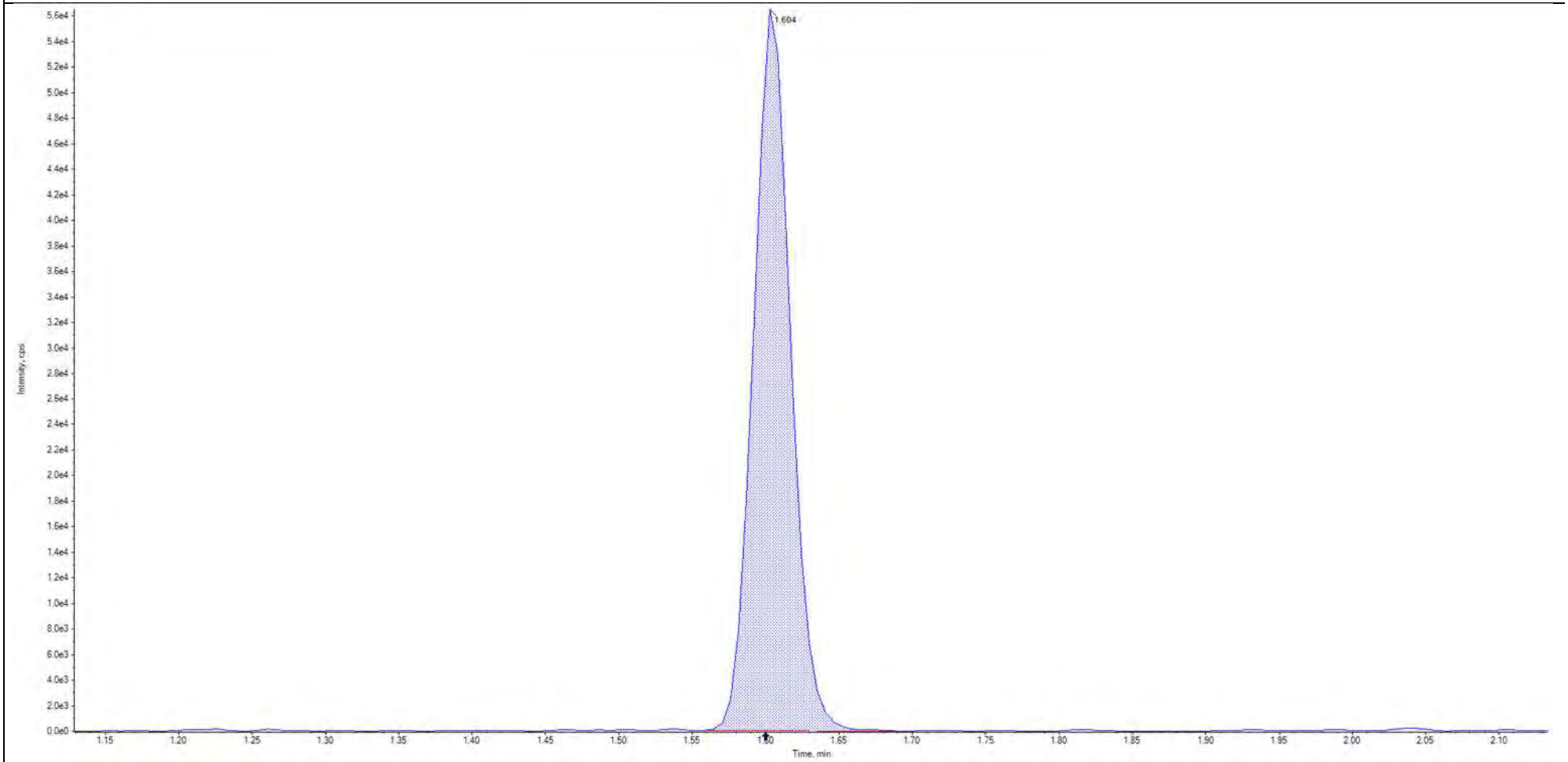
13C3-PFHxS
Sample: IA1633STD-62.5



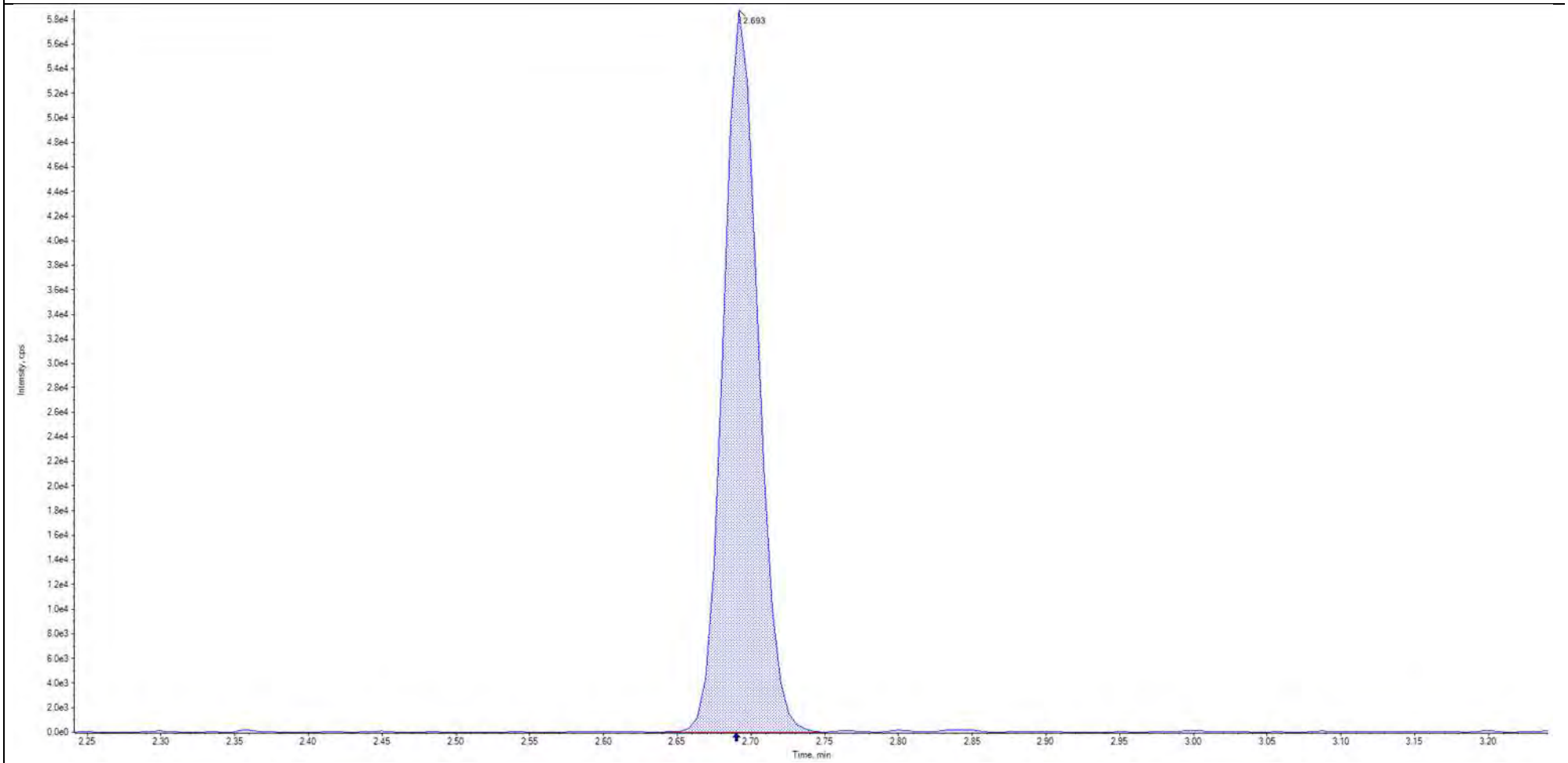
13C8-PFOS
Sample: IA1633STD-62.5



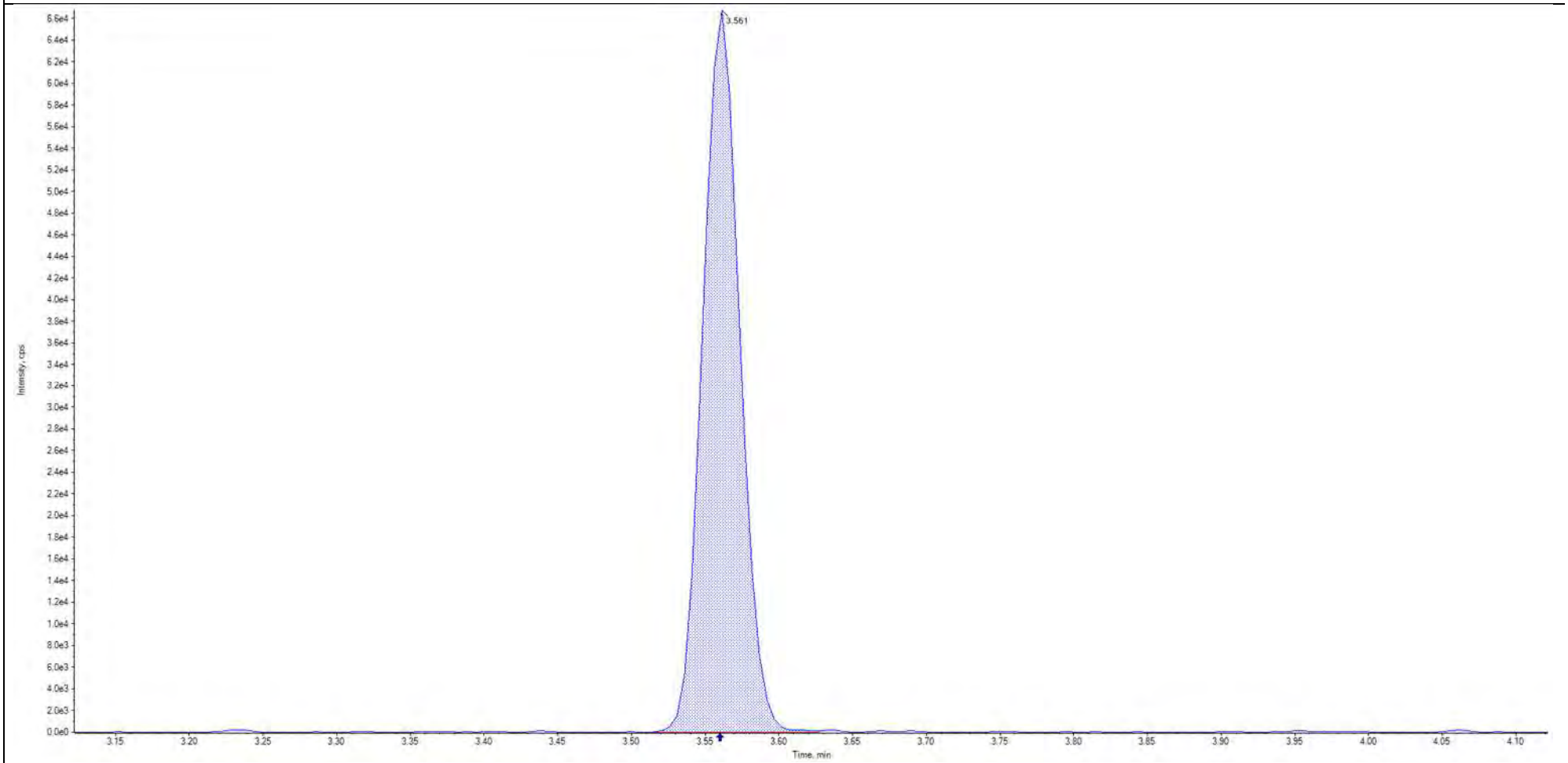
13C2-4:2FTS
Sample: IA1633STD-62.5



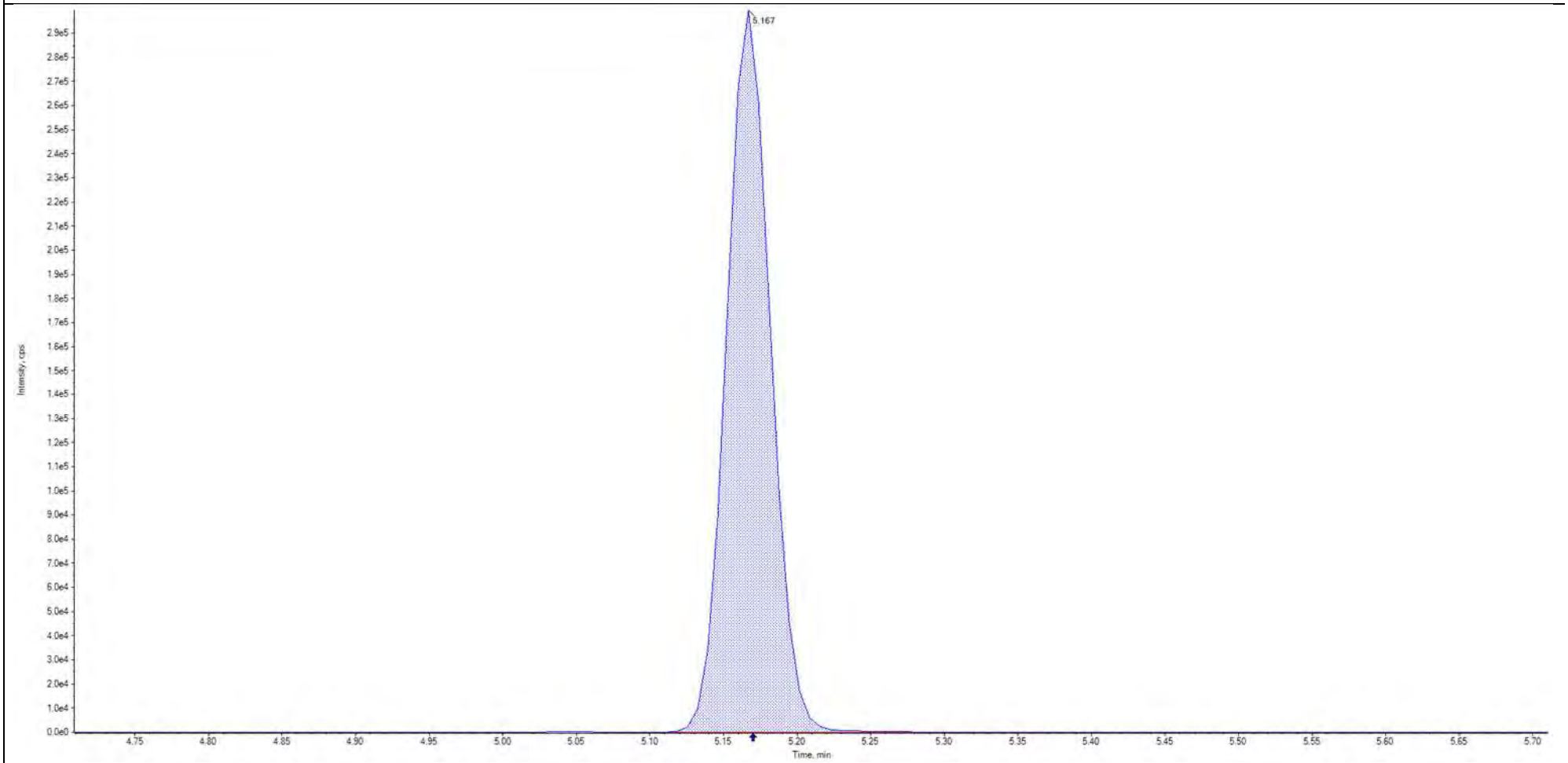
13C2-6:2FTS
Sample: IA1633STD-62.5



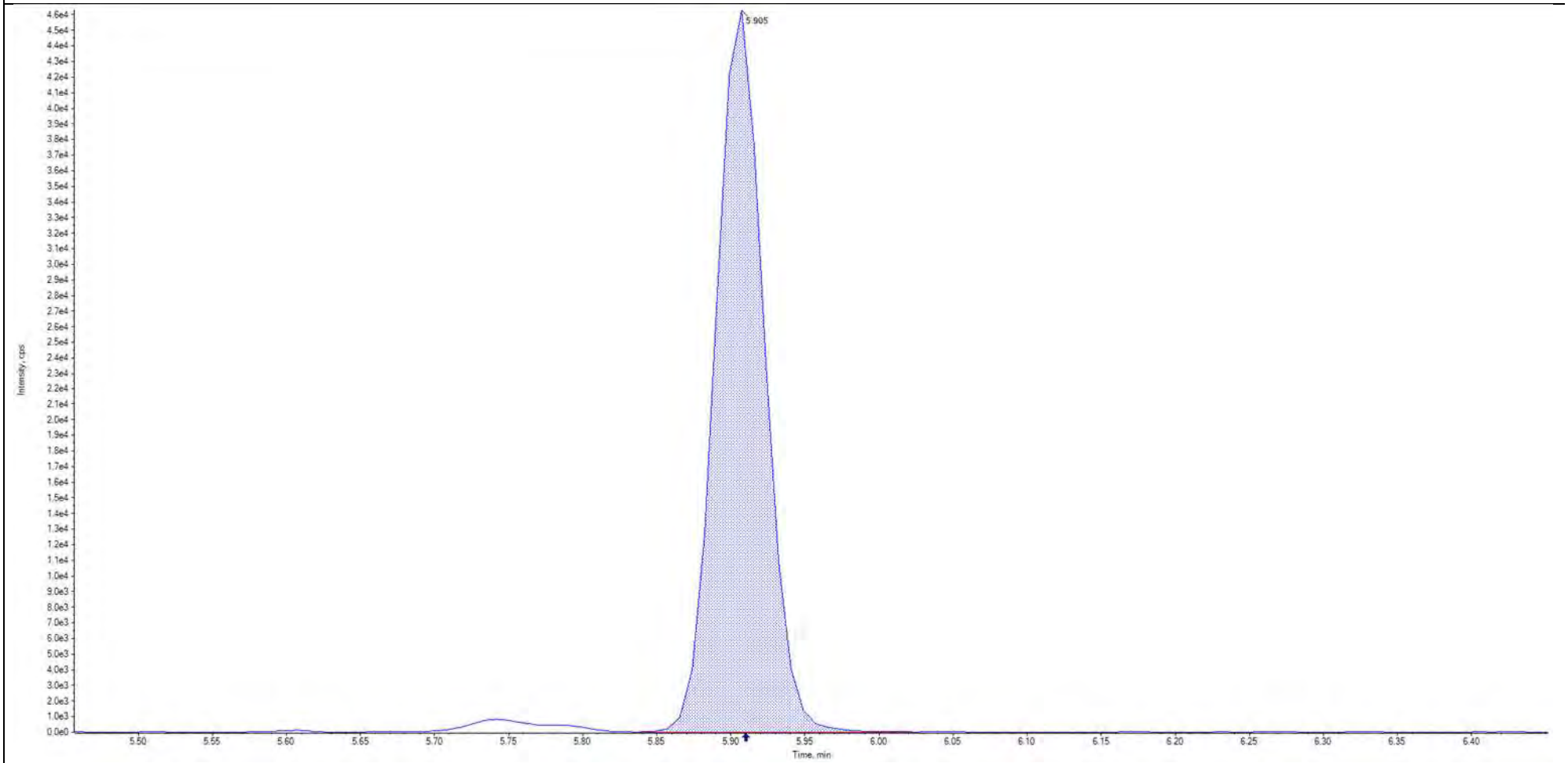
13C2-8:2FTS
Sample: IA1633STD-62.5



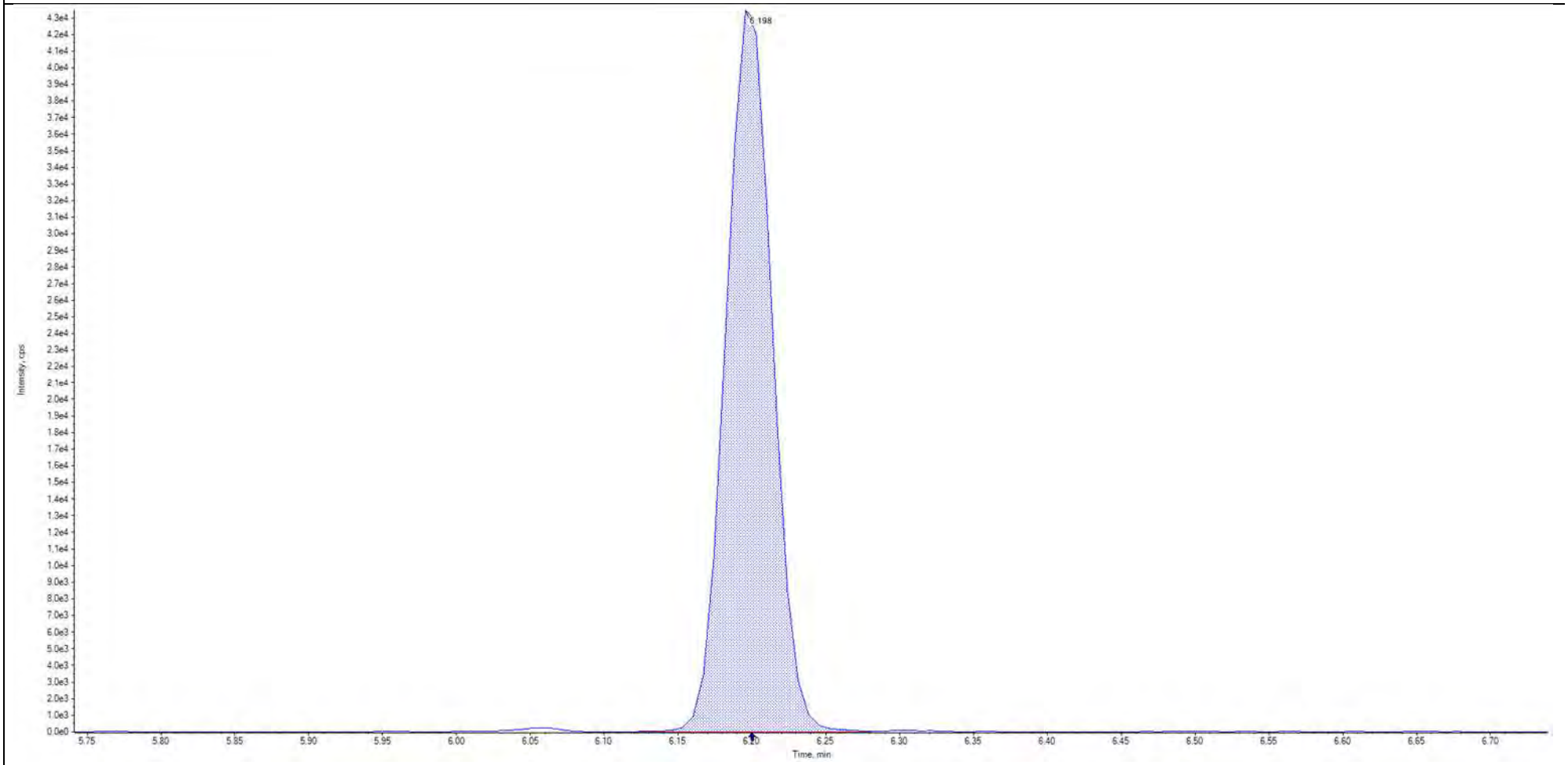
13C8-PFOSA
Sample: IA1633STD-62.5



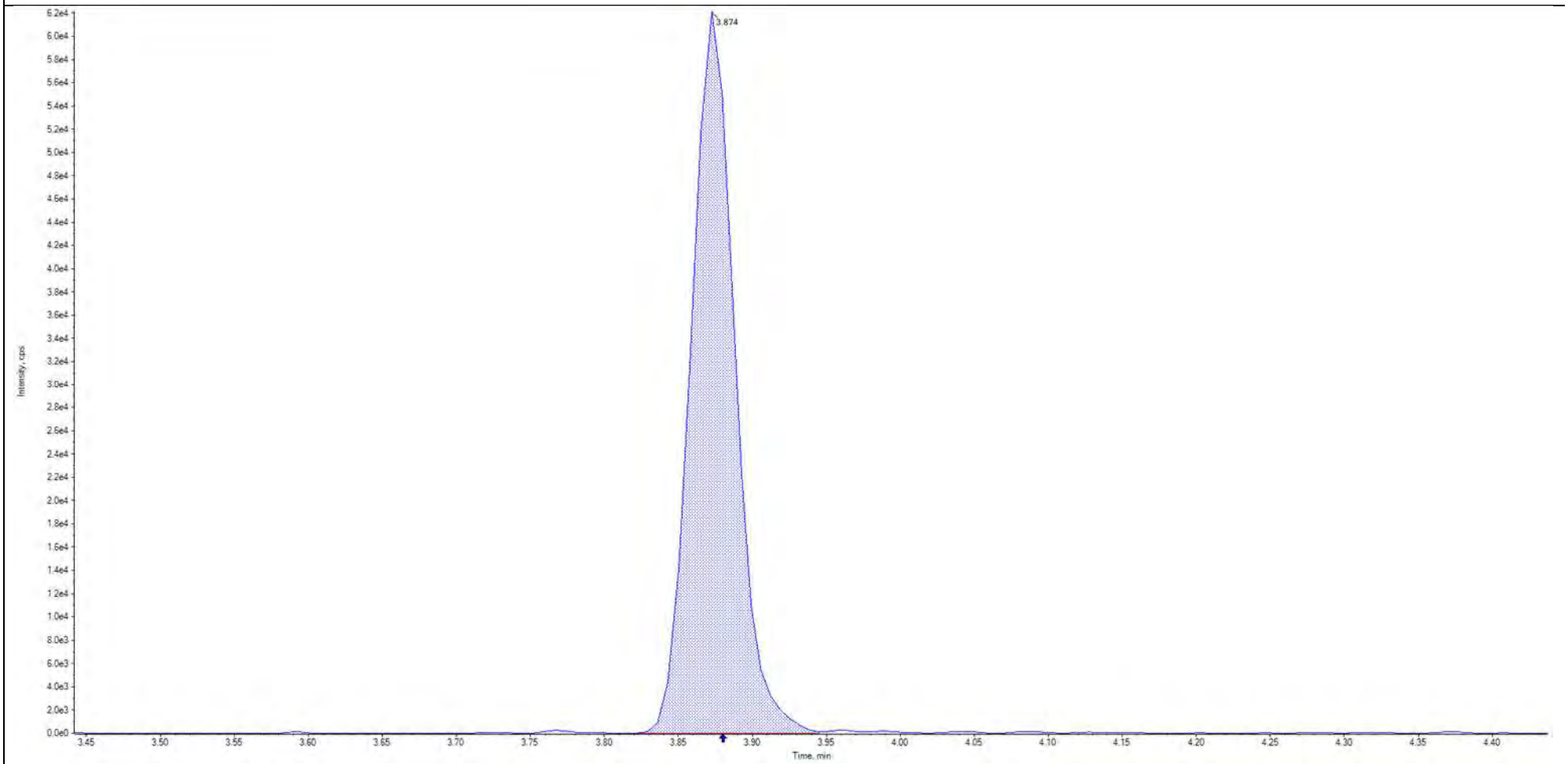
d3-NMeFOSA
Sample: IA1633STD-62.5



d5-NEtFOSA
Sample: IA1633STD-62.5



d3-NMeFOSAA
Sample: IA1633STD-62.5



d5-NEtFOSAA
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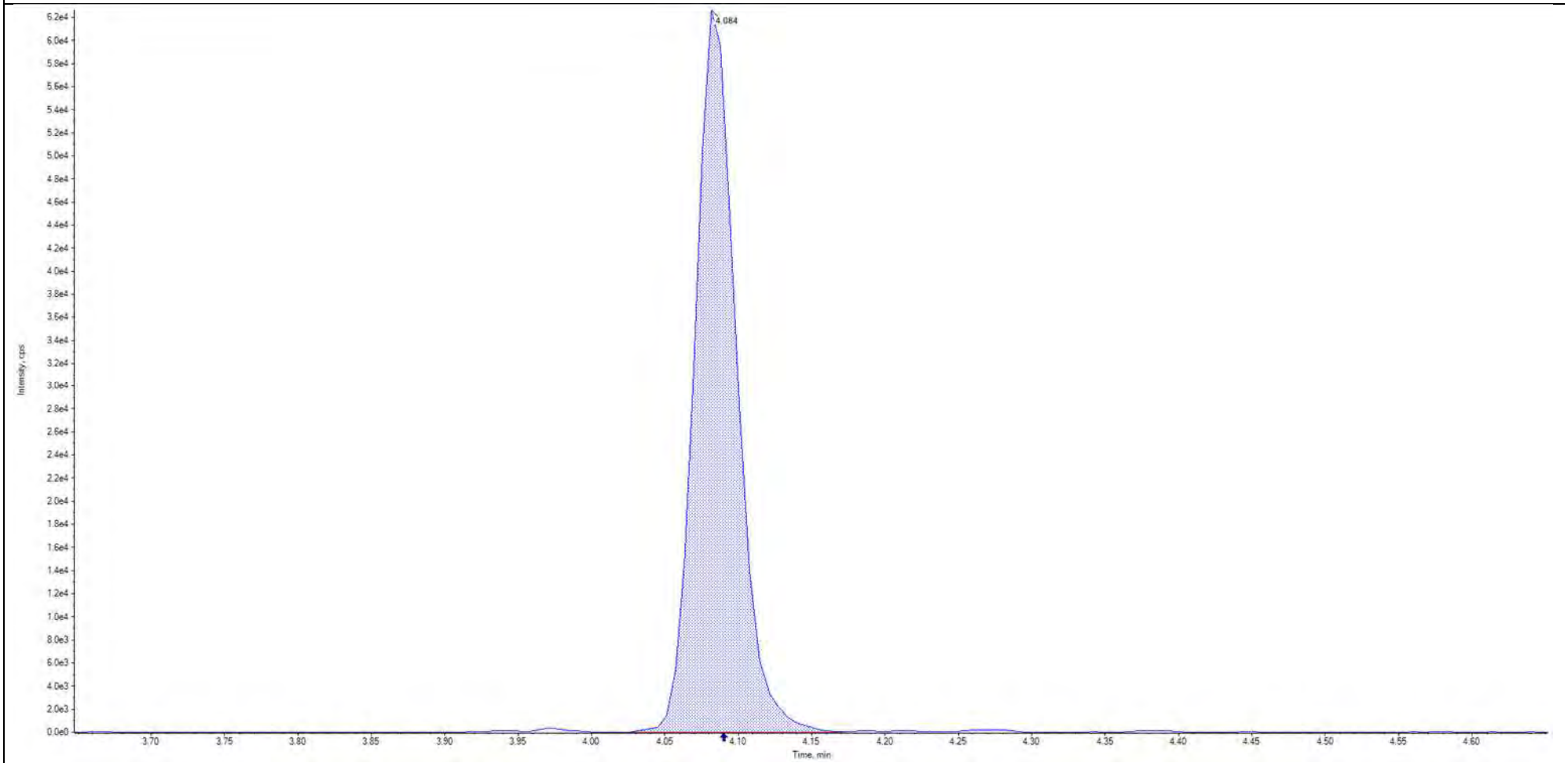
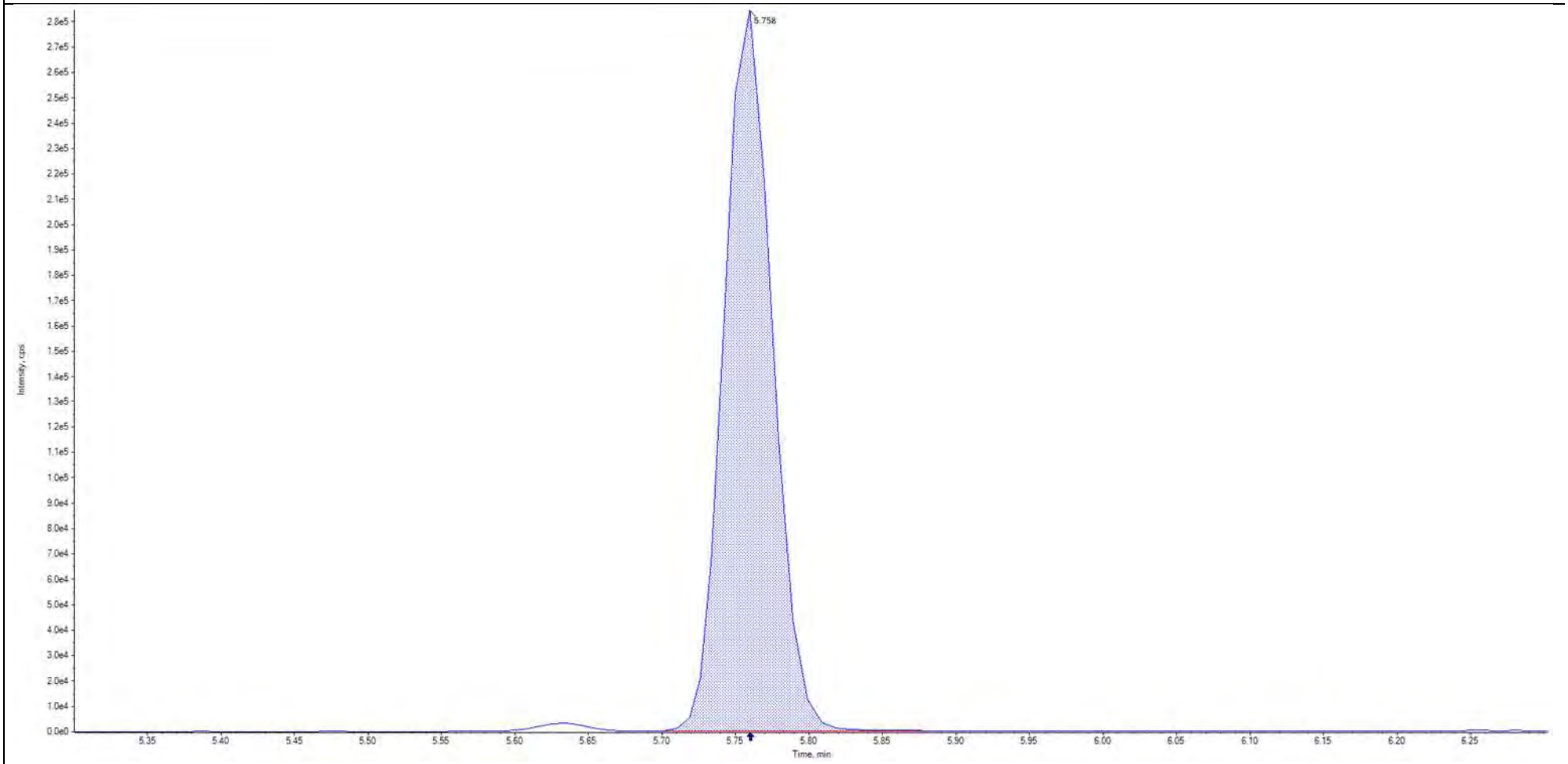
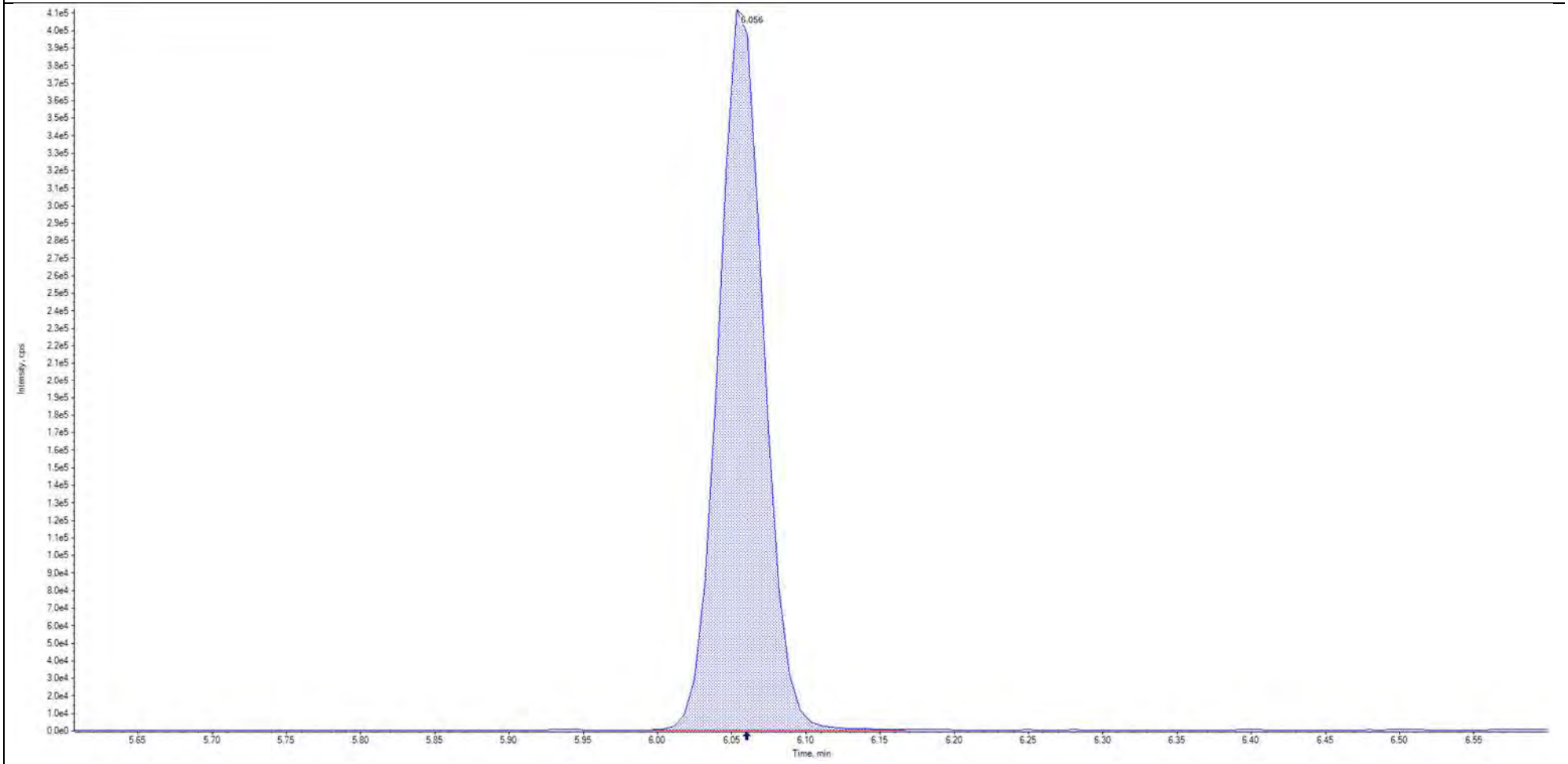


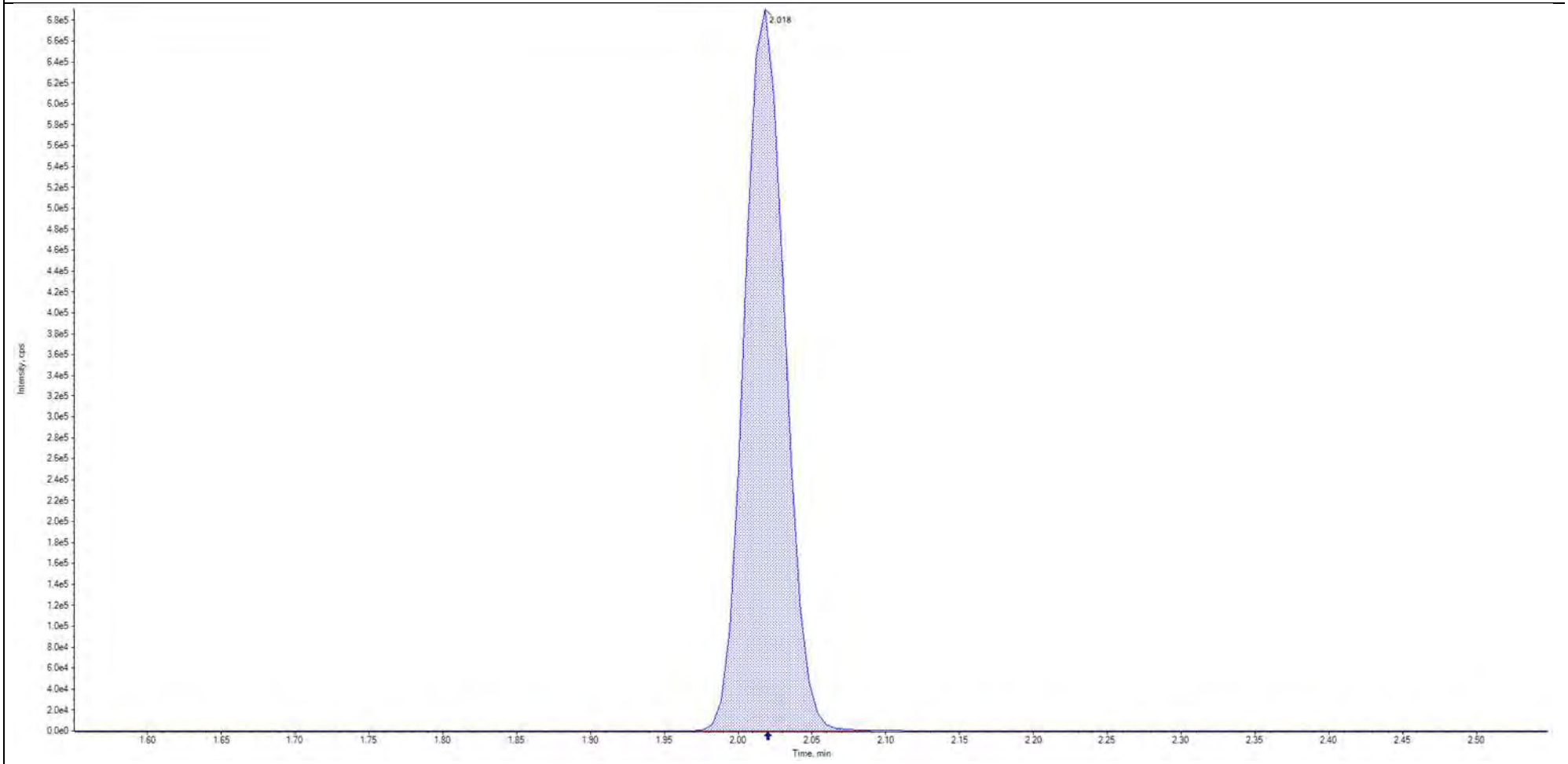
d7-NMeFOSE
Sample: IA1633STD-62.5



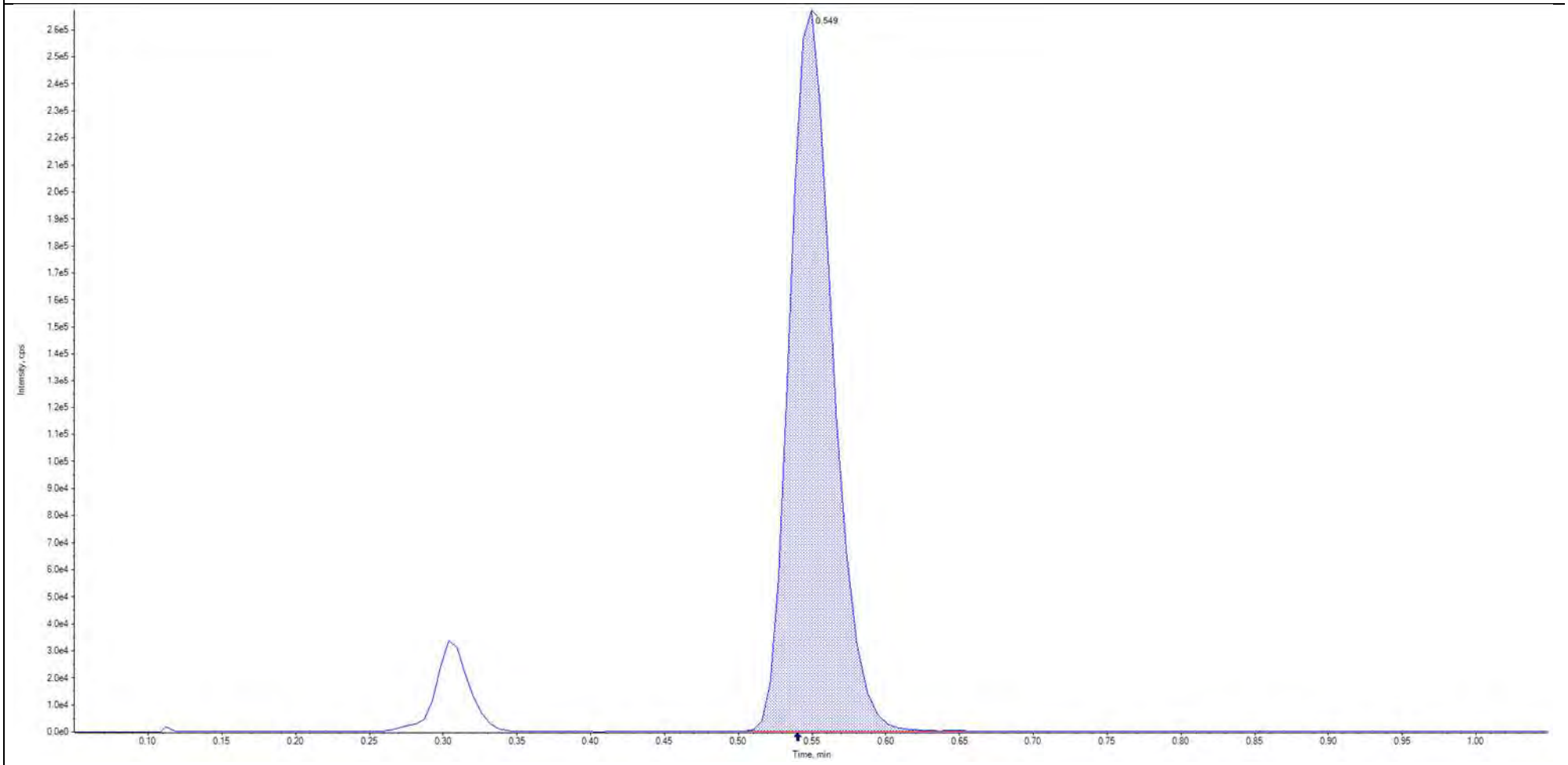
d9-NEtFOSE
Sample: IA1633STD-62.5



13C3-HFPO-DA
Sample: IA1633STD-62.5



13C3-PFBA
Sample: IA1633STD-62.5



13C2-PFHxA
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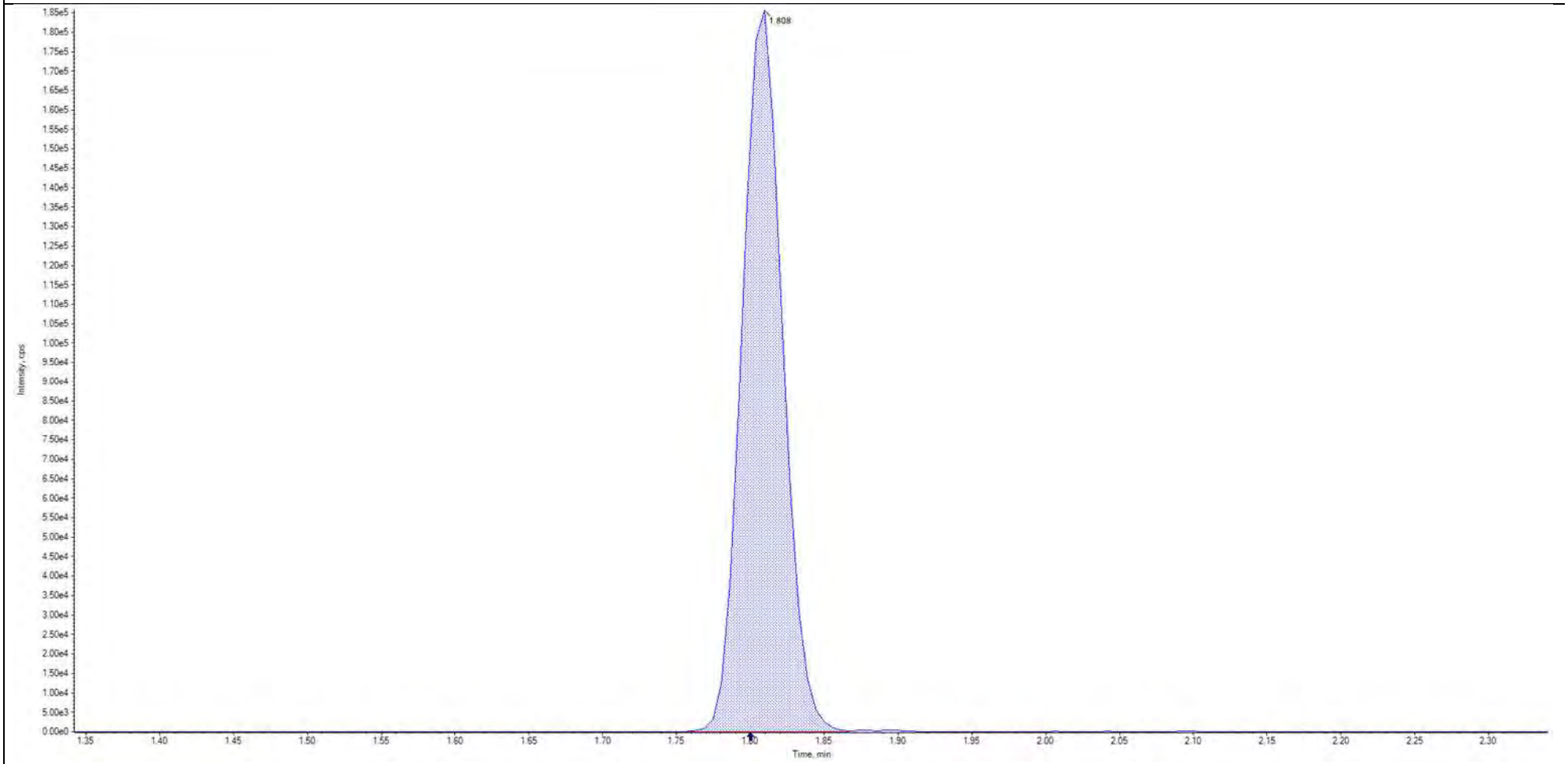

13C4-PFOA
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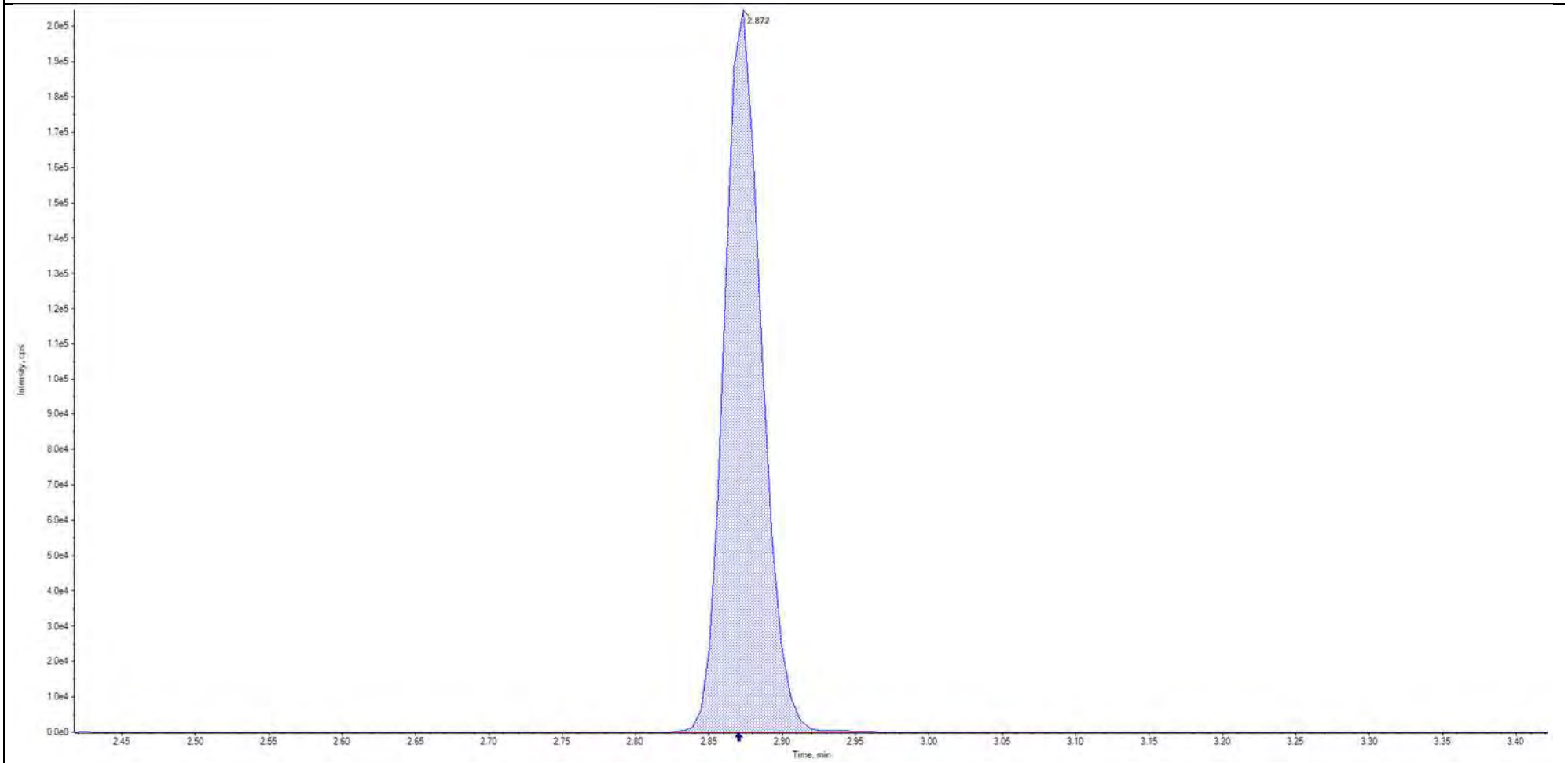

13C5-PFNA
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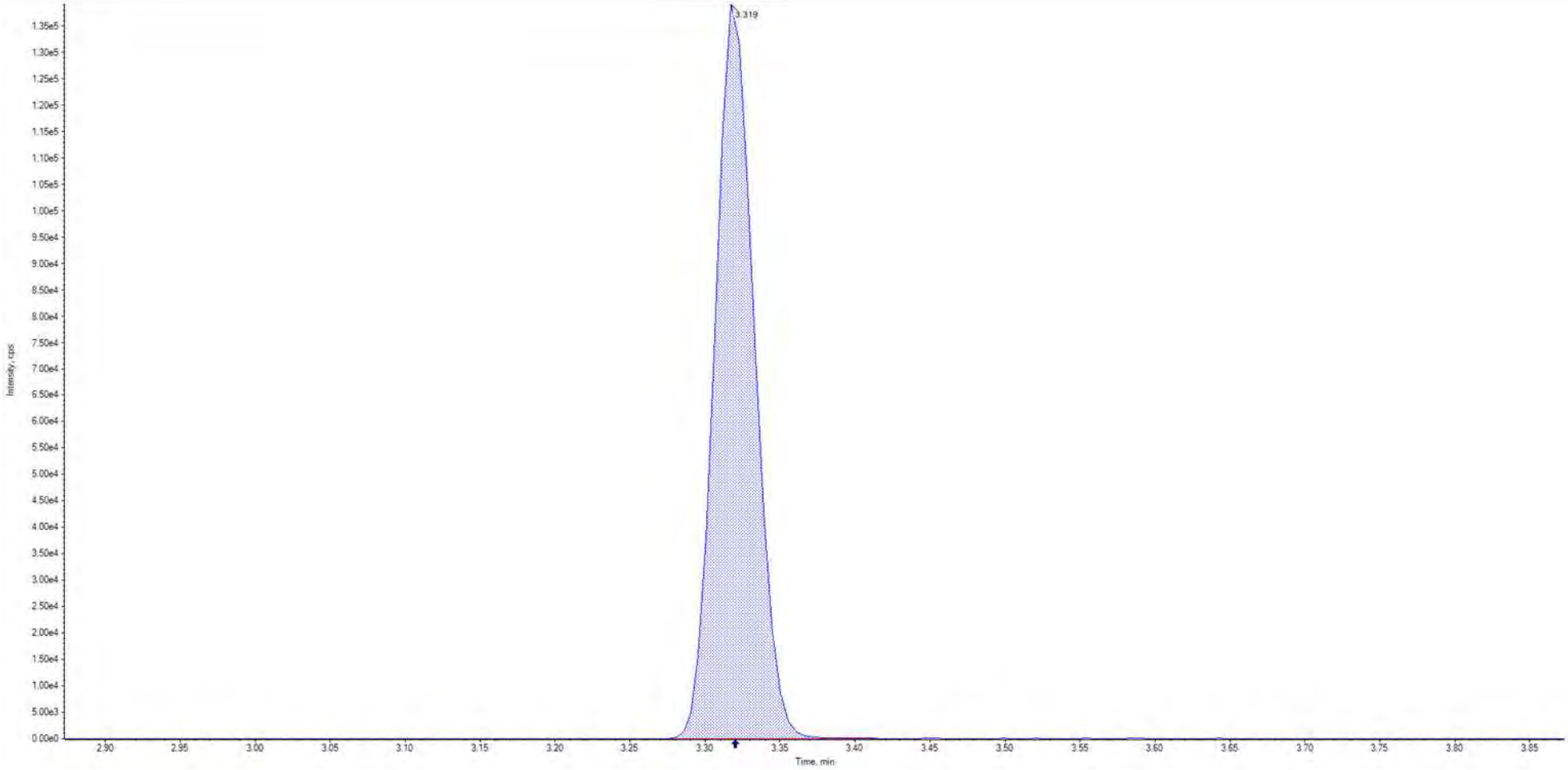
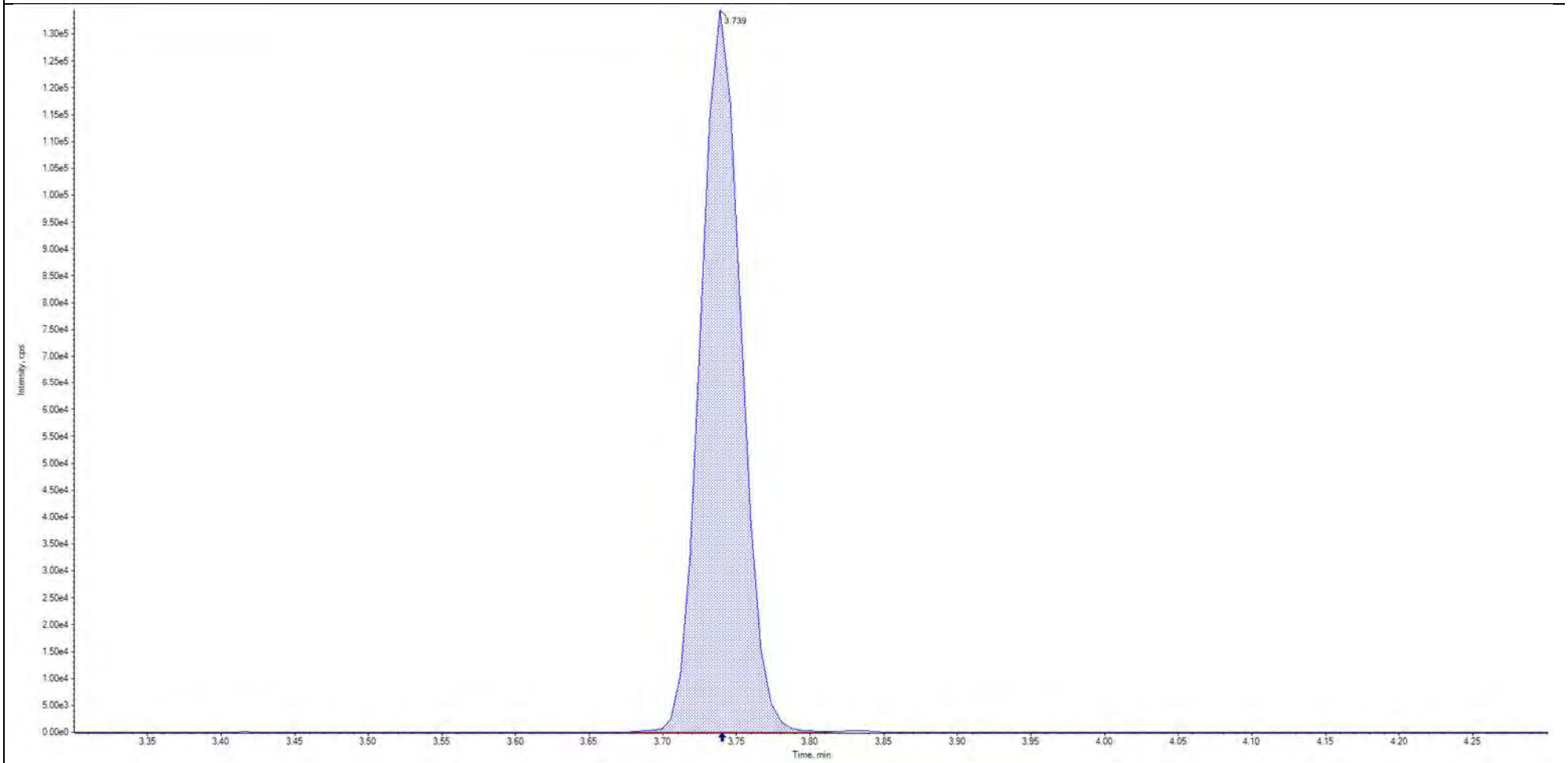


13C2-PFDA
Sample: IA1633STD-62.5



18O2-PFHxS
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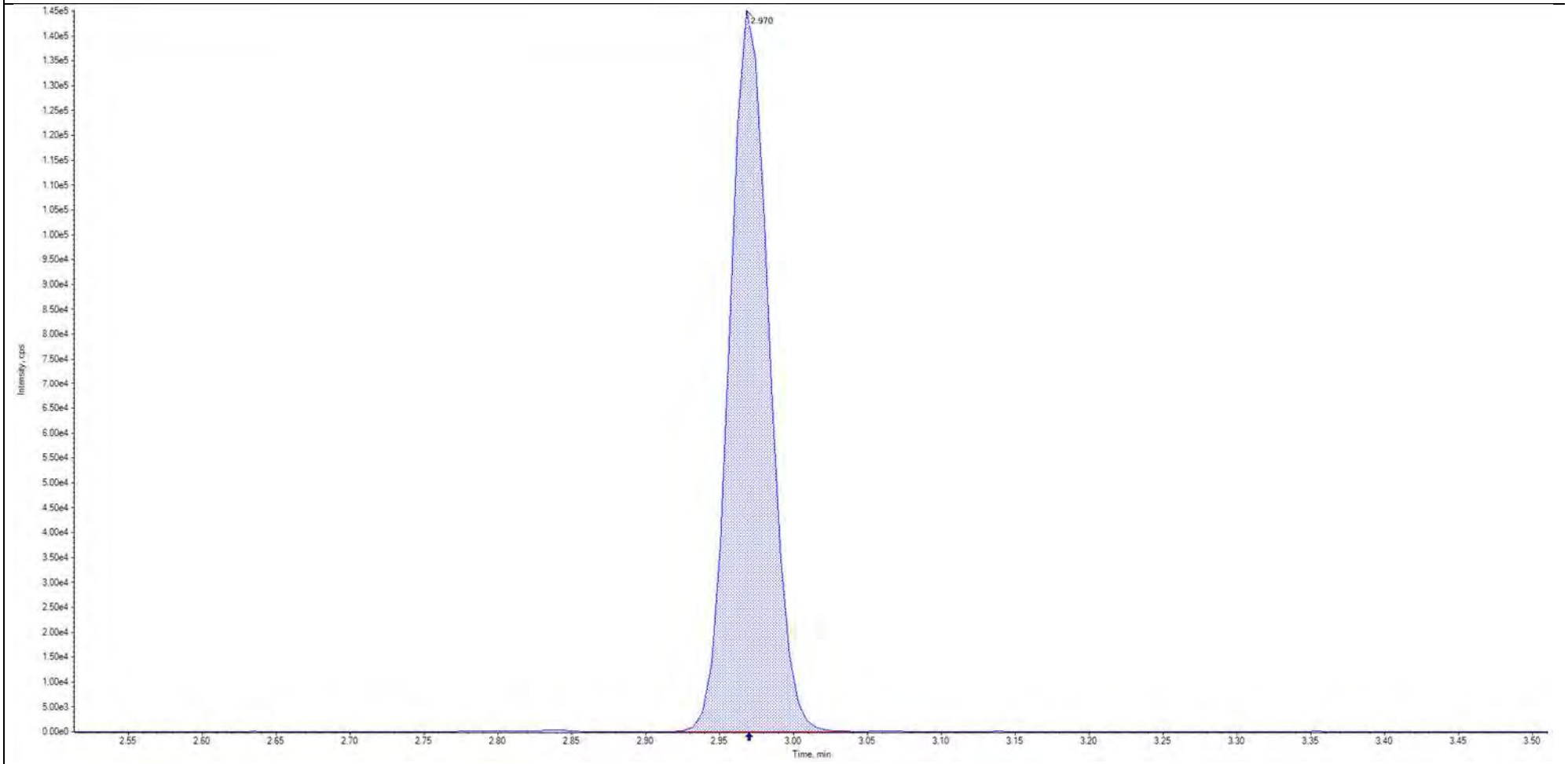

13C4-PFOS
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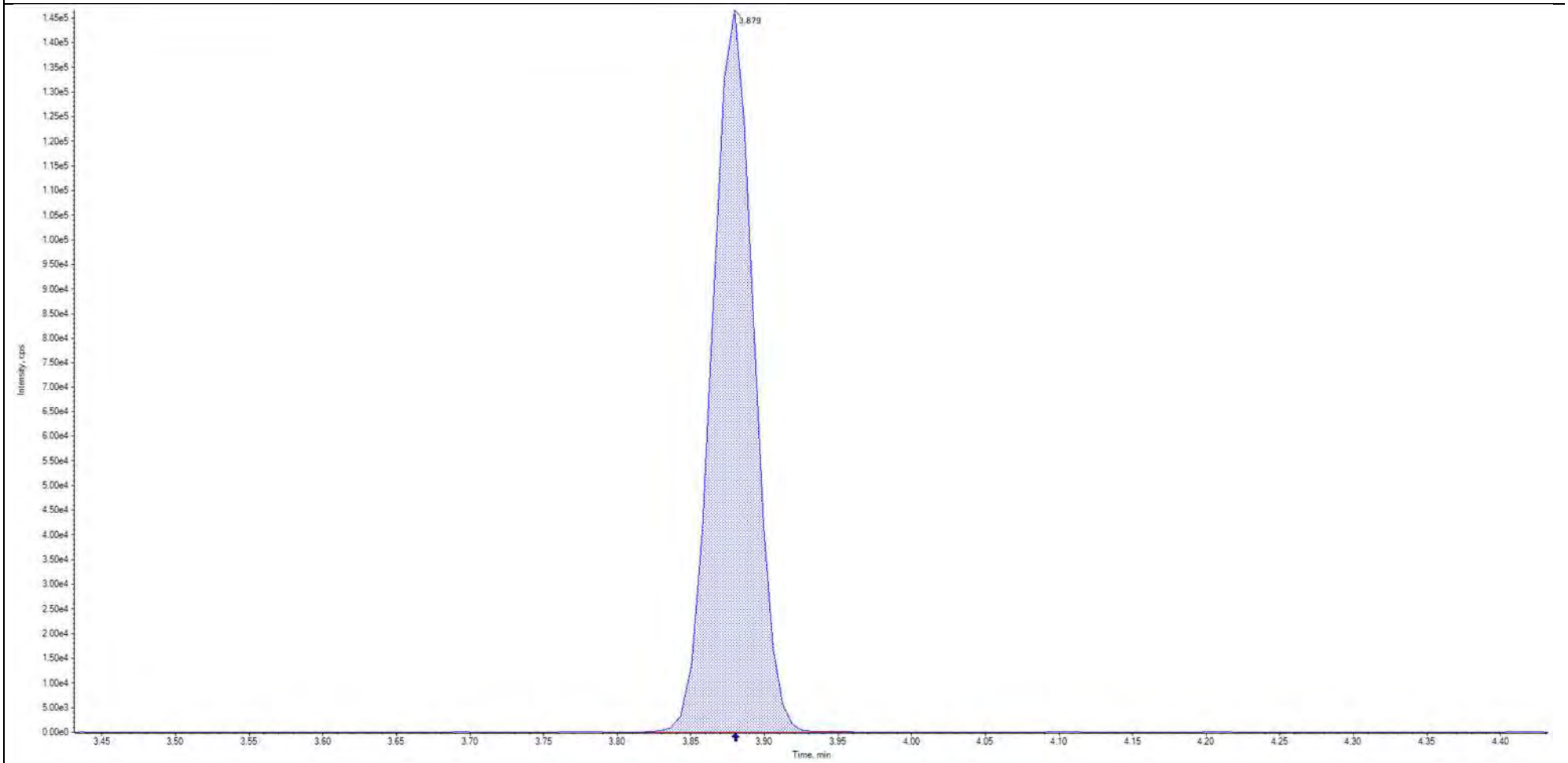

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Method: EPA1633F.qmethod
Calibration: 241112_1633_ICAL

ID: WG1996415-1,BSICS
Name: SCI09_241112_24.wiff2
Date & Time: 2024-11-12T14:58:48
Description: WG1996415
Instrument: SCIEX Triple Quad 5500+
User: LCMS09:PNB

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
76	TDCA	RT +/- PFOS	1.31	499.1 / 124.1	2524140		10.157	5.309	5.357	Pass	101.6
77	TDCA_2	RT +/- PFOS	1.31	499.1 / 79.9	13399846		10.188	5.309	5.357	Pass	101.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.55	217.0 / 172.0	1239784		9.915	NA	NA	NA	99.1
	13C5-PFPeA	EIS	1.07	268.0 / 223.0	583199		4.789	NA	NA	NA	95.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFHxA	EIS	1.81	318.0 / 273.0	319970		2.491	NA	NA	NA	99.6
	13C4-PFHpA	EIS	2.38	367.0 / 322.0	268843		2.507	NA	NA	NA	100.3
	13C8-PFOA	EIS	2.87	420.8 / 376.0	525195		2.295	NA	NA	NA	91.8
	13C9-PFNA	EIS	3.32	472.0 / 427.0	246436		1.201	NA	NA	NA	96.0
	13C6-PFDA	EIS	3.74	519.0 / 474.0	257206		1.180	NA	NA	NA	94.4
	13C7-PFUnA	EIS	4.14	570.0 / 525.0	258355		1.068	NA	NA	NA	85.4
	13C2-PFDoA	EIS	4.53	615.1 / 570.0	300097		1.161	NA	NA	NA	92.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFTeDA	EIS	5.27	715.1 / 670.1	227600		1.186	NA	NA	NA	94.9
	13C3-PFBS	EIS	1.80	302.1 / 80.1	319858		2.188	NA	NA	NA	93.9
	13C3-PFHxS	EIS	2.97	402.1 / 80.1	298430		2.304	NA	NA	NA	97.2
	13C8-PFOS	EIS	3.88	507.1 / 80.1	342086		2.356	NA	NA	NA	98.2
	13C2-4:2FTS	EIS	1.60	329.1 / 81.1	99797		4.914	NA	NA	NA	104.8
	13C2-6:2FTS	EIS	2.69	429.2 / 81.1	96737		5.366	NA	NA	NA	112.7
	13C2-8:2FTS	EIS	3.56	529.2 / 81.1	117483		5.506	NA	NA	NA	114.7
	13C8-PFOSA	EIS	5.17	506.1 / 78.1	623297		2.528	NA	NA	NA	101.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	d3-NMeFOSA	EIS	5.91	515.2 / 219.0	106093		2.628	NA	NA	NA	105.1
	d5-NEtFOSA	EIS	6.20	531.2 / 219.0	95343		2.603	NA	NA	NA	104.1
	d3-NMeFOSAA	EIS	3.87	573.2 / 419.1	128374		5.122	NA	NA	NA	102.4
	d5-NEtFOSAA	EIS	4.08	589.3 / 419.1	123863		5.015	NA	NA	NA	100.3
	d7-NMeFOSE	EIS	5.76	623.2 / 58.9	656644		25.114	NA	NA	NA	100.5
	d9-NEtFOSE	EIS	6.06	639.2 / 58.9	872274		24.792	NA	NA	NA	99.2
	13C3-HFPO-DA	EIS	2.02	287.0 / 169.0	1318133		10.505	NA	NA	NA	105.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-PFBA	NIS	0.55	216.0 / 172.0	545084		4.298	NA	NA	NA	86.0
	13C2-PFHxA	NIS	1.81	315.0 / 270.0	356462		2.393	NA	NA	NA	95.7
	13C4-PFOA	NIS	2.87	417.0 / 372.0	364851		2.531	NA	NA	NA	101.2
	13C5-PFNA	NIS	3.32	468.0 / 423.0	255573		1.251	NA	NA	NA	100.1
	13C2-PFDA	NIS	3.74	515.1 / 470.1	258740		1.227	NA	NA	NA	98.1
	18O2-PFHxS	NIS	2.97	403.1 / 84.1	270416		2.318	NA	NA	NA	97.8
	13C4-PFOS	NIS	3.88	503.1 / 80.1	289179		2.304	NA	NA	NA	96.0

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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TDCA
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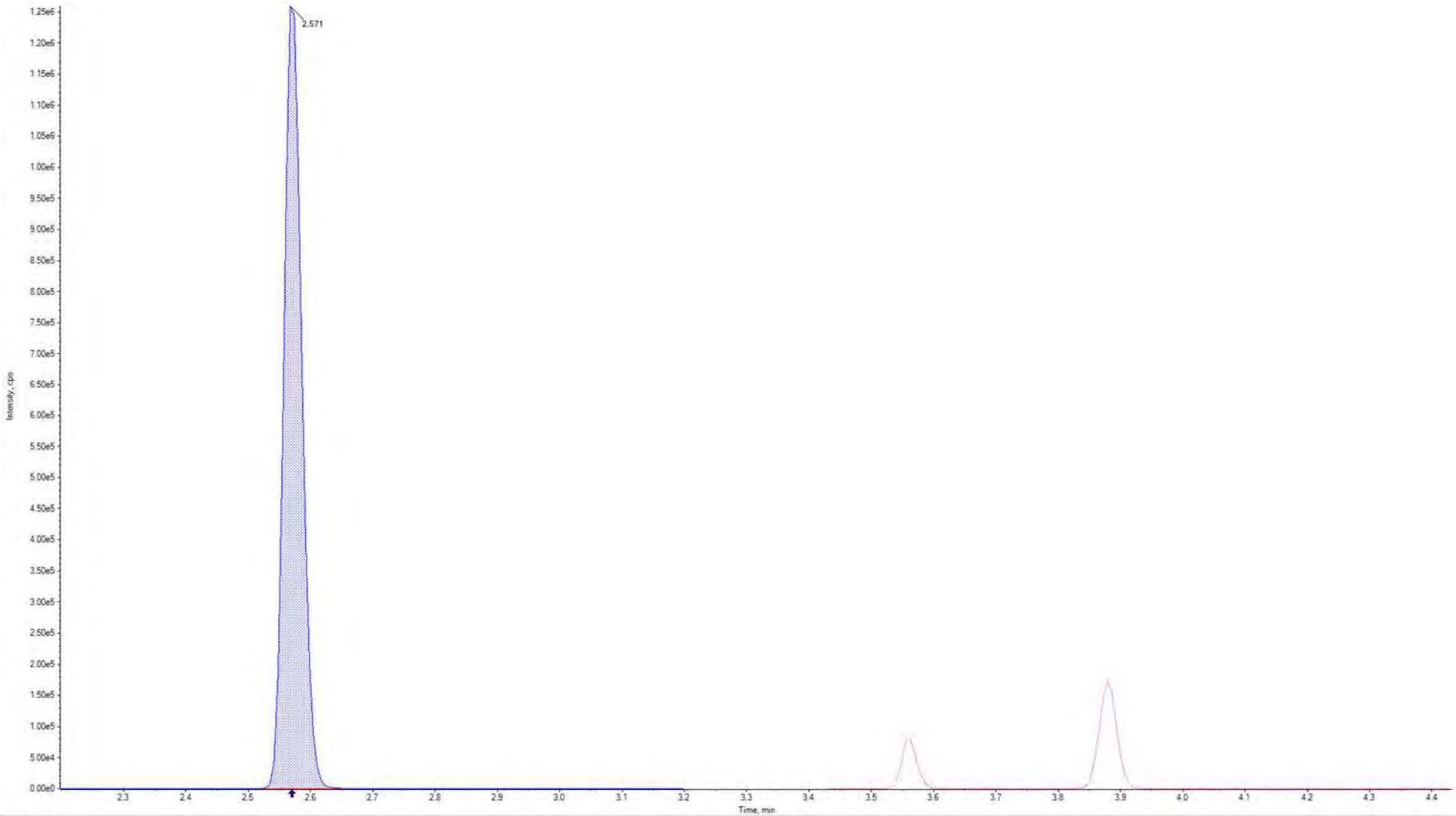

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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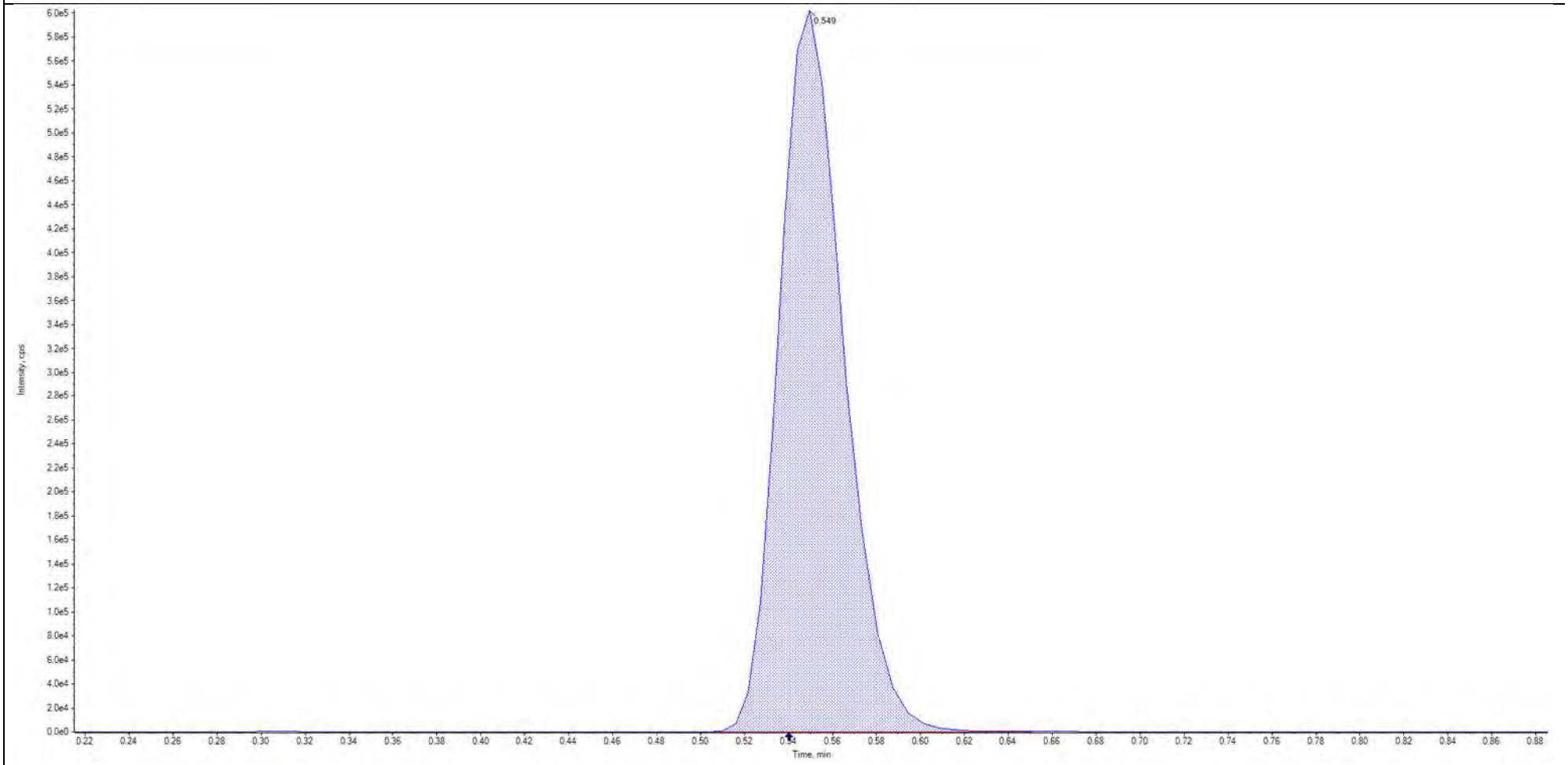
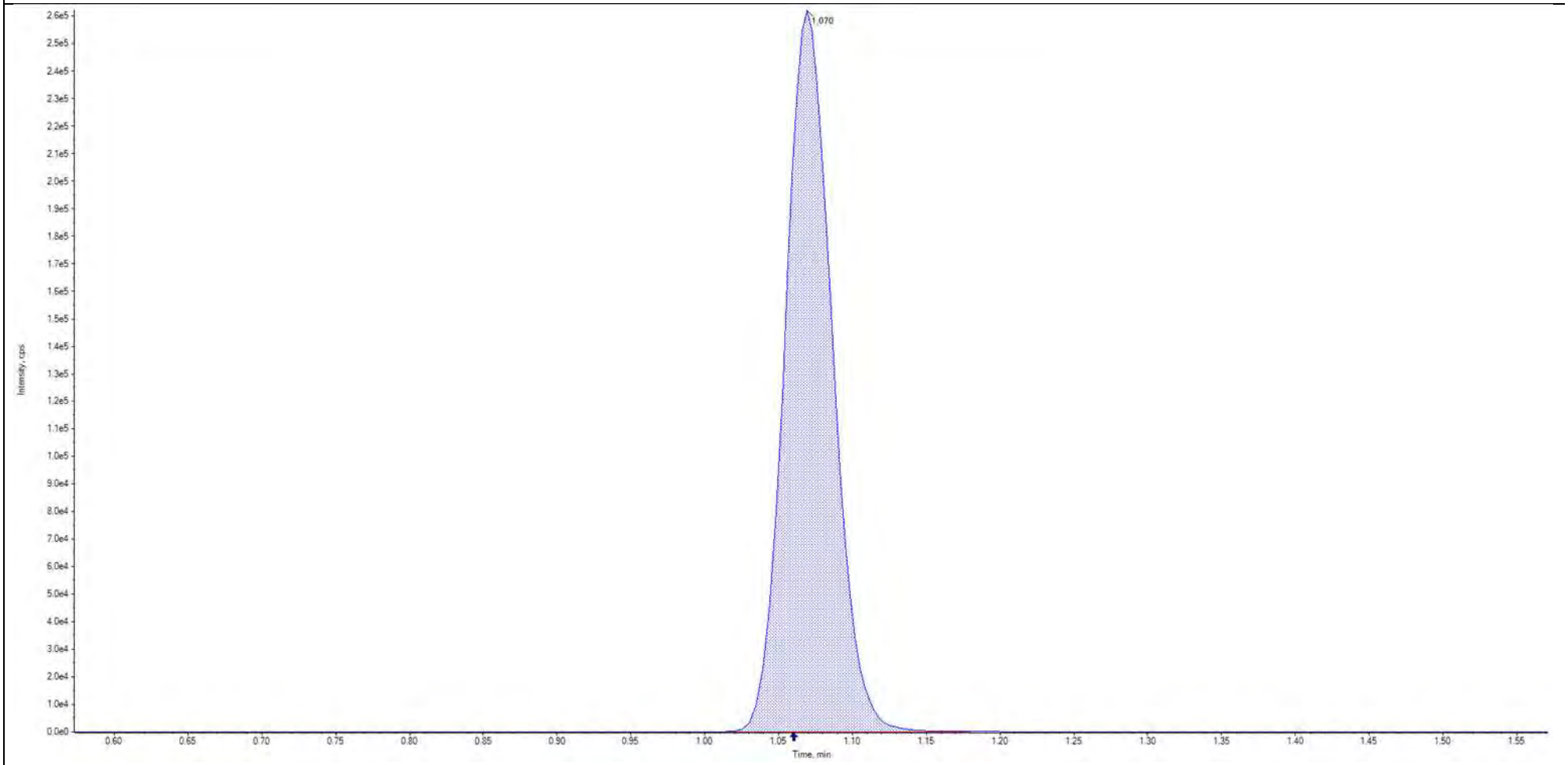
Last Altered: 11/12/2024 3:43:52 PM
Generated: 11/12/2024 3:31:45 PM

TDCA_2
Sample: WG1996415-1,BSICS S/N:134646.6 Points Across peak:37

13C4-PFBA
Sample: WG1996415-1,BSICS



13C5-PFPeA
Sample: WG1996415-1,BSICS



13C5-PFHxA
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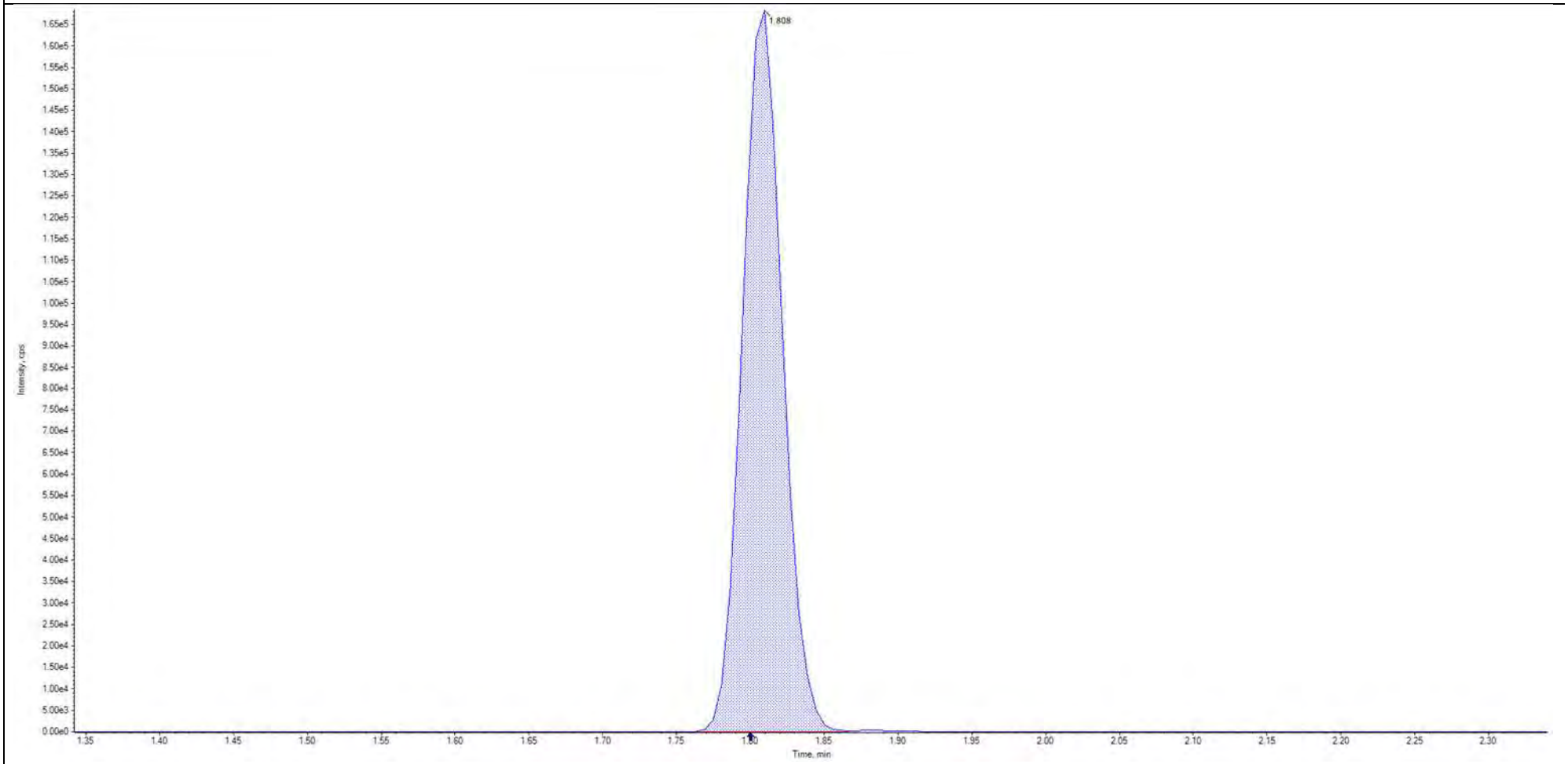
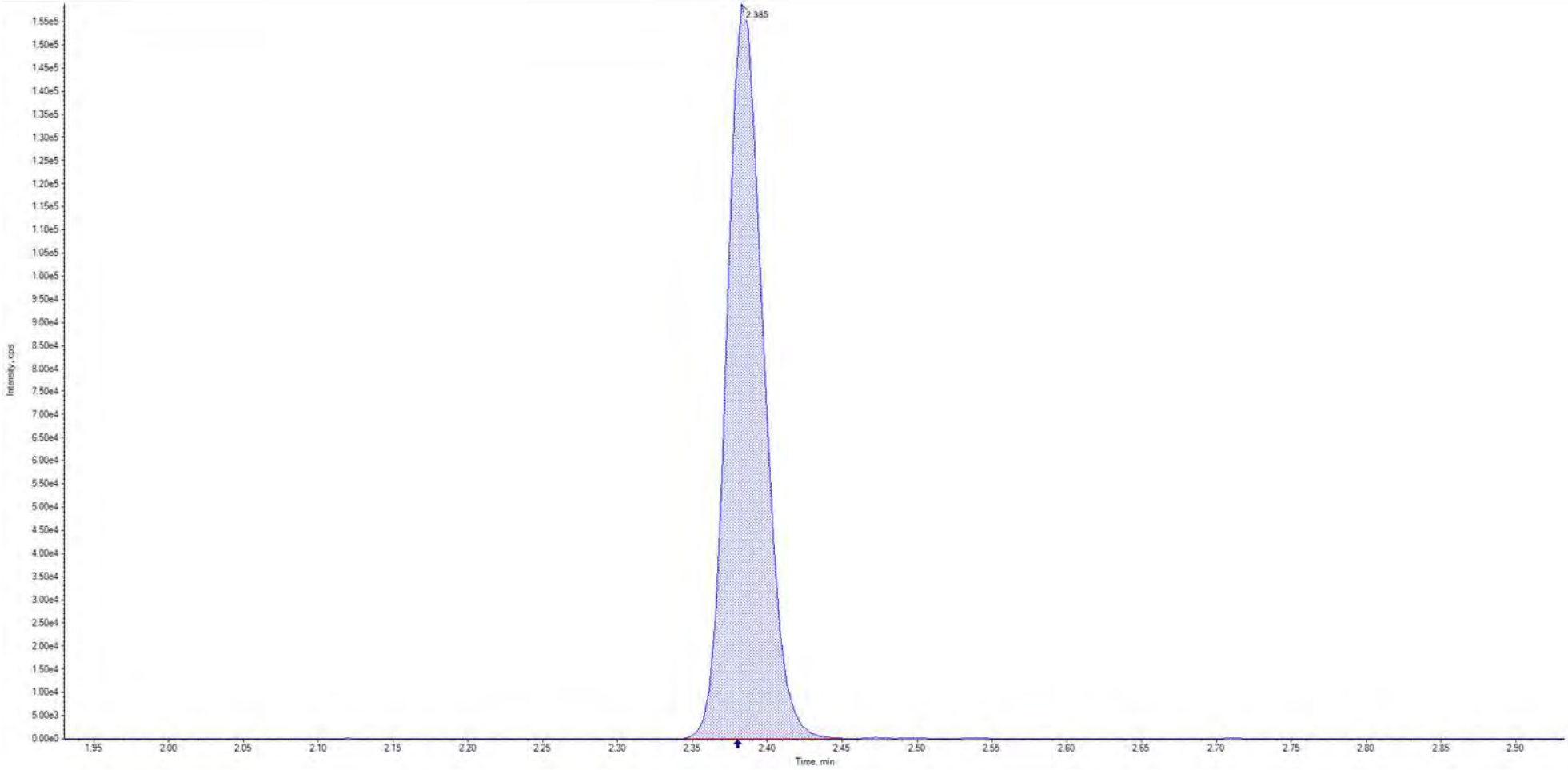
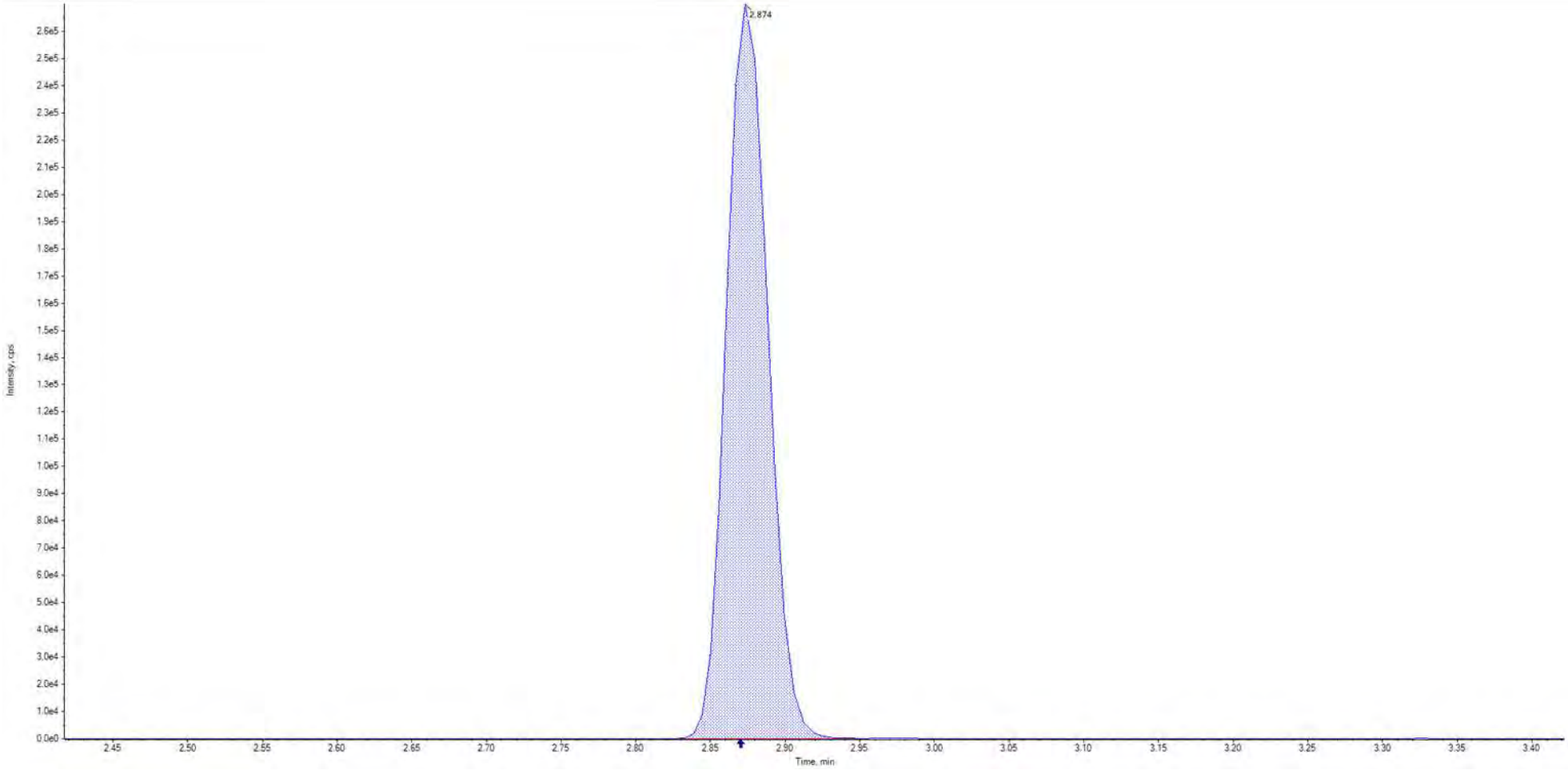


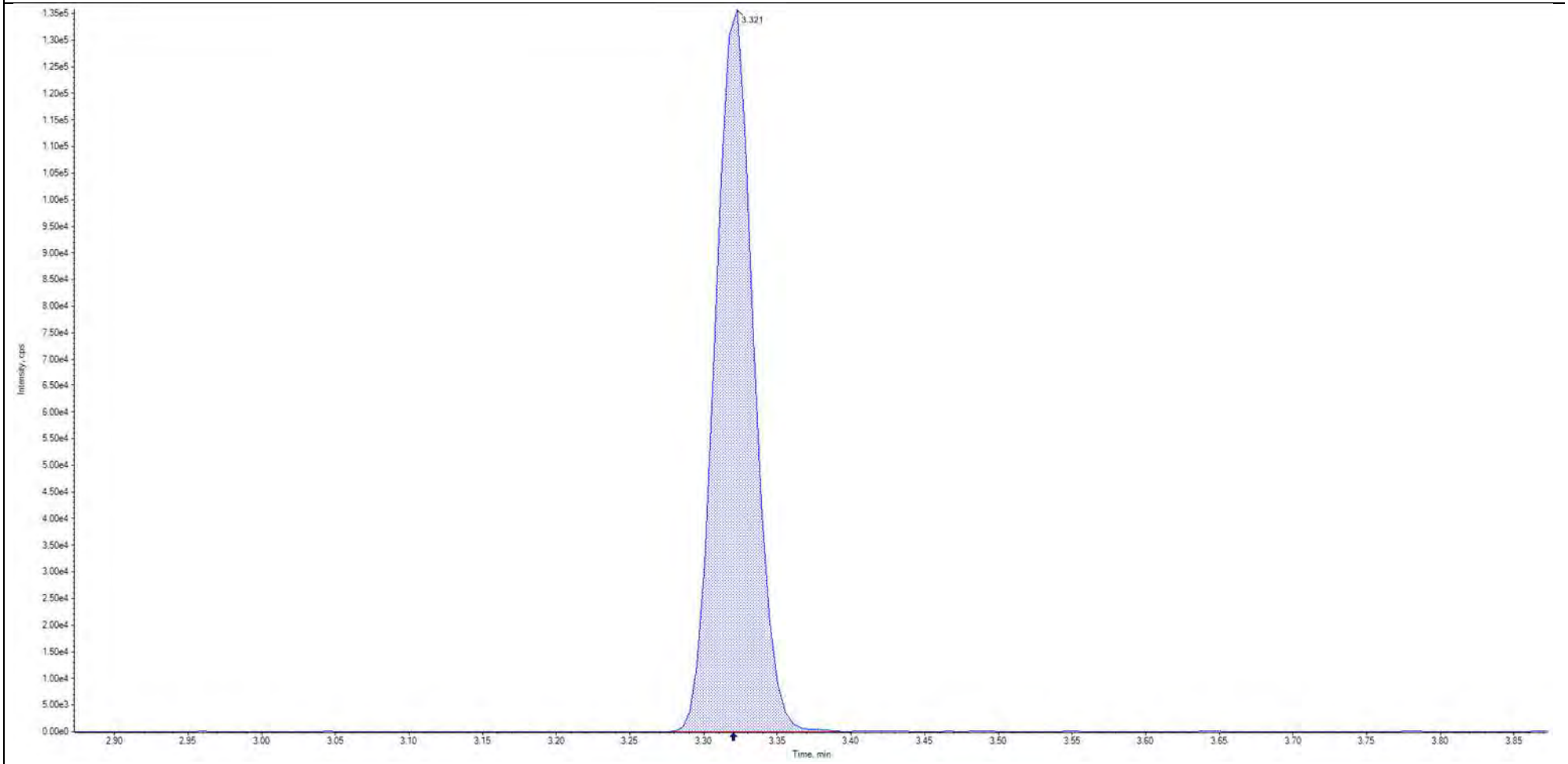
13C4-PFHpA
Sample: WG1996415-1,BSICS



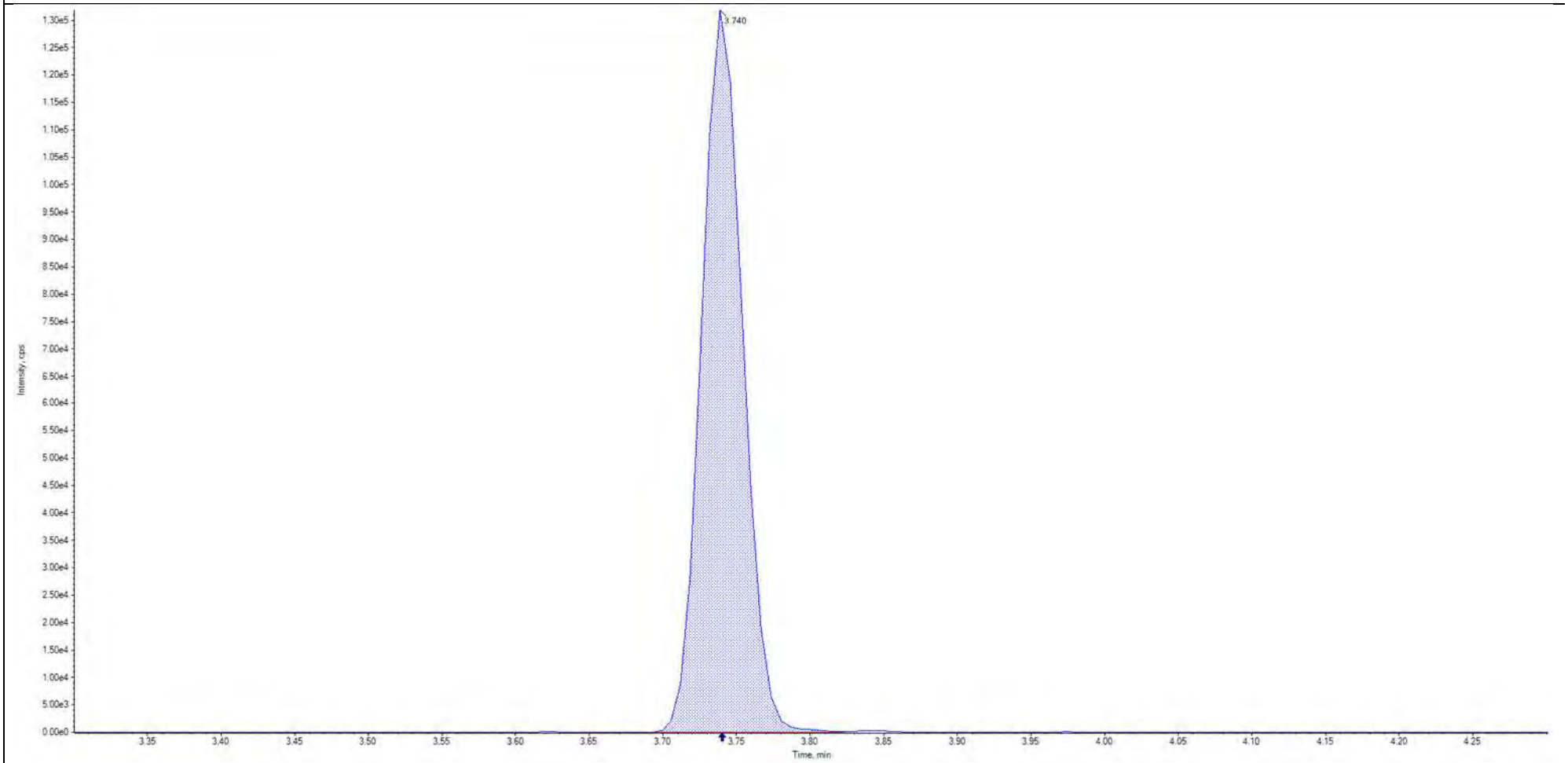
13C8-PFOA
Sample: WG1996415-1,BSICS



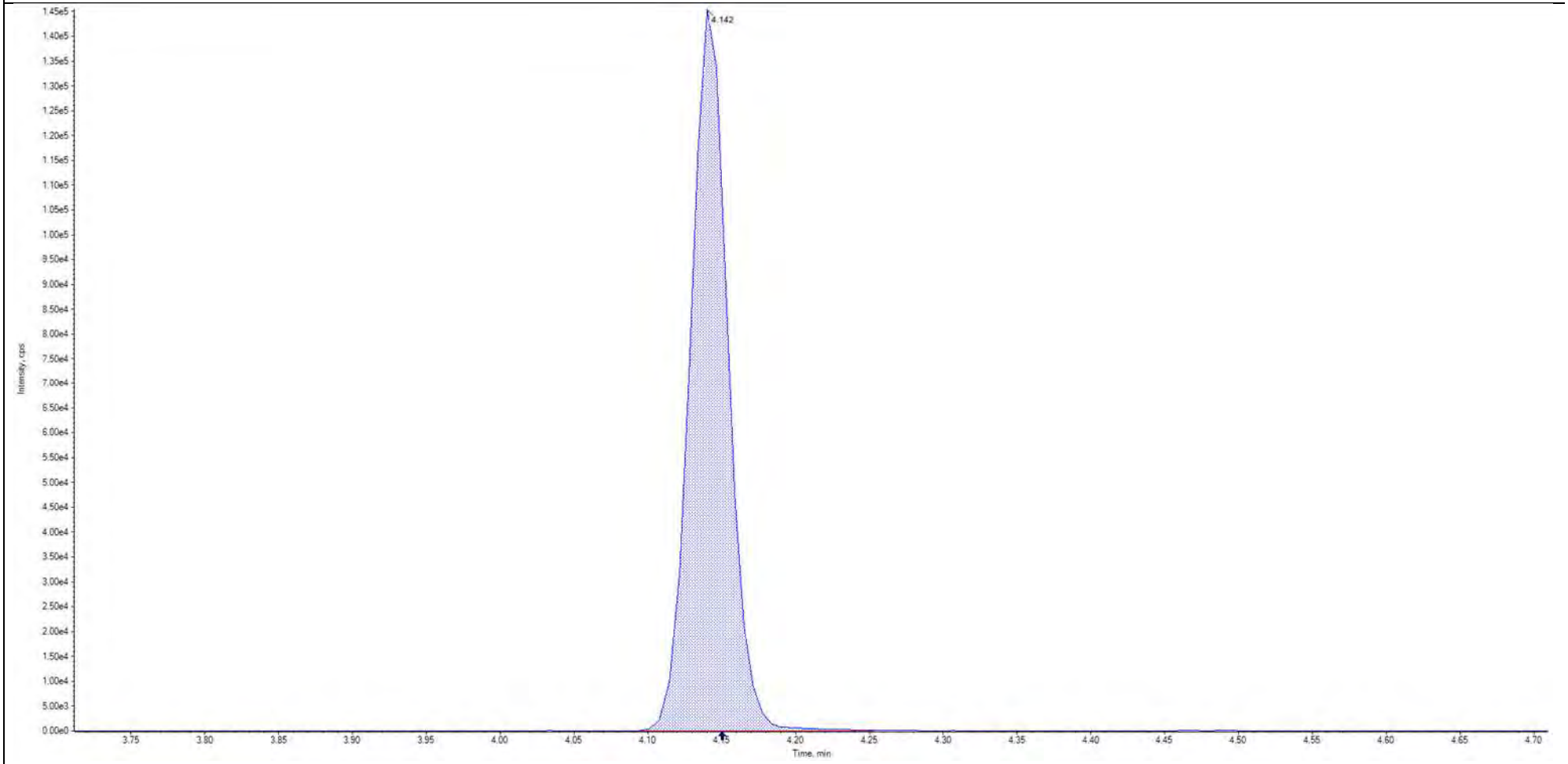
13C9-PFNA
Sample: WG1996415-1,BSICS



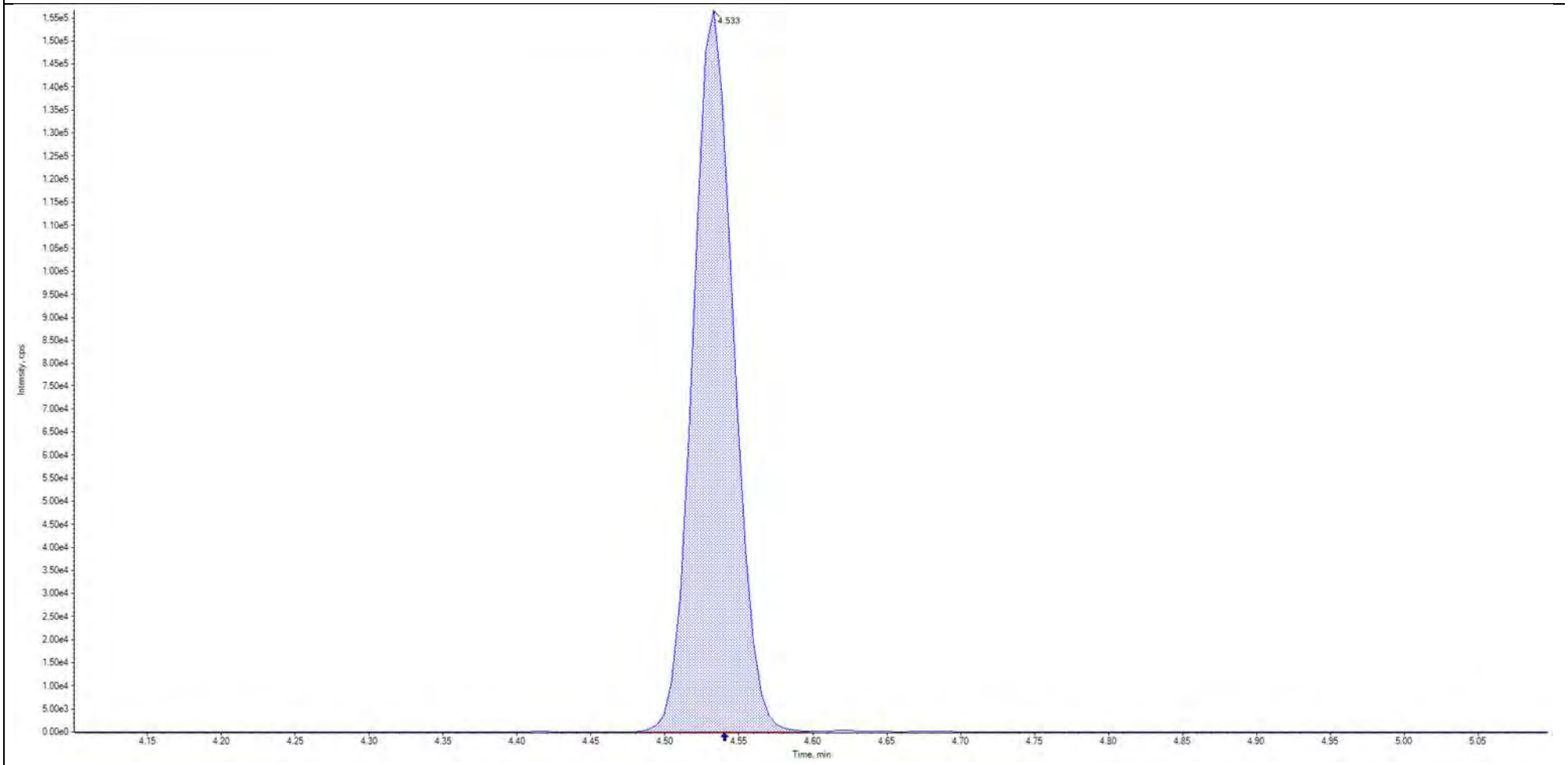
13C6-PFDA
Sample: WG1996415-1,BSICS



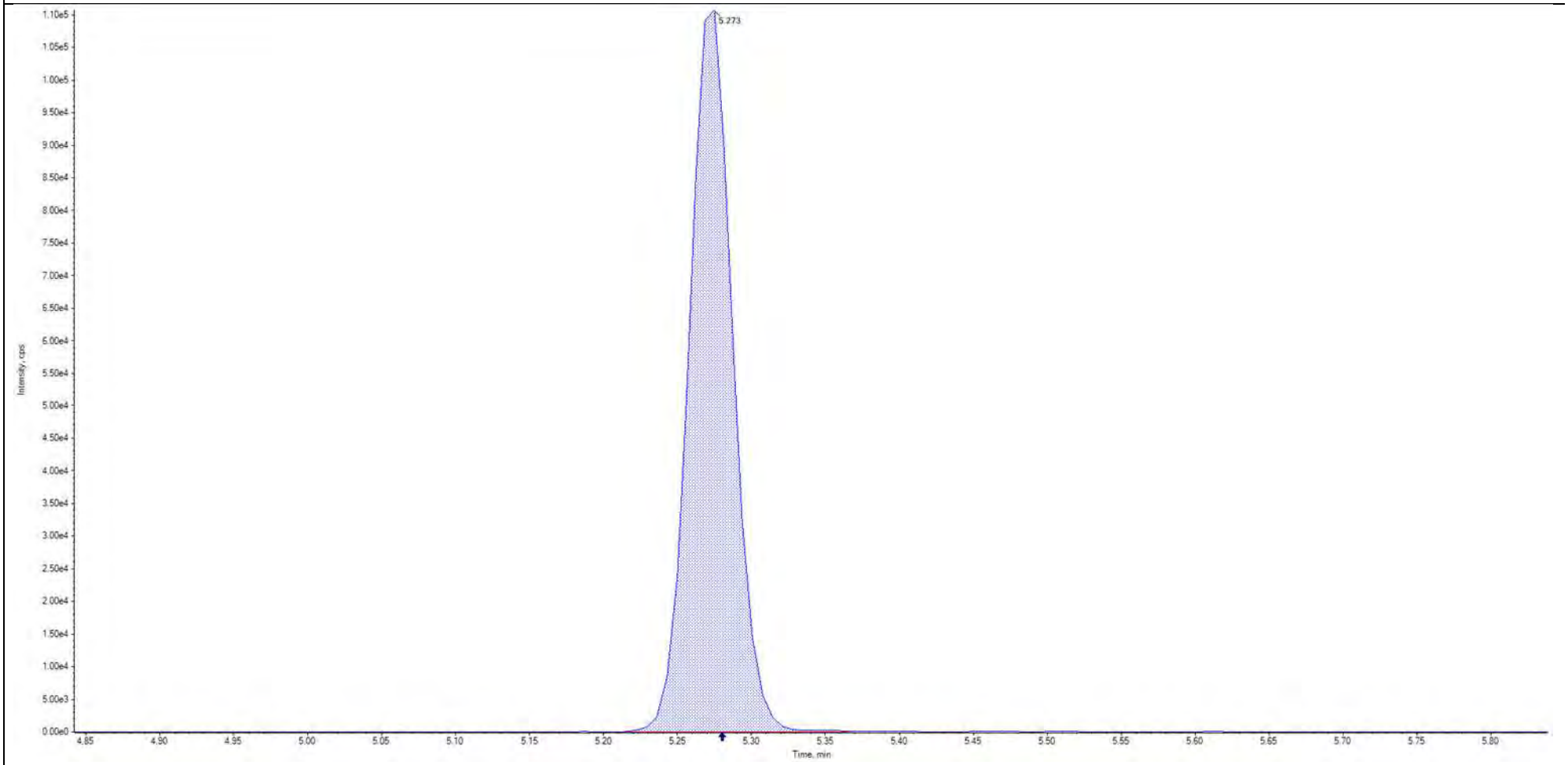
13C7-PFUnA
Sample: WG1996415-1,BSICS



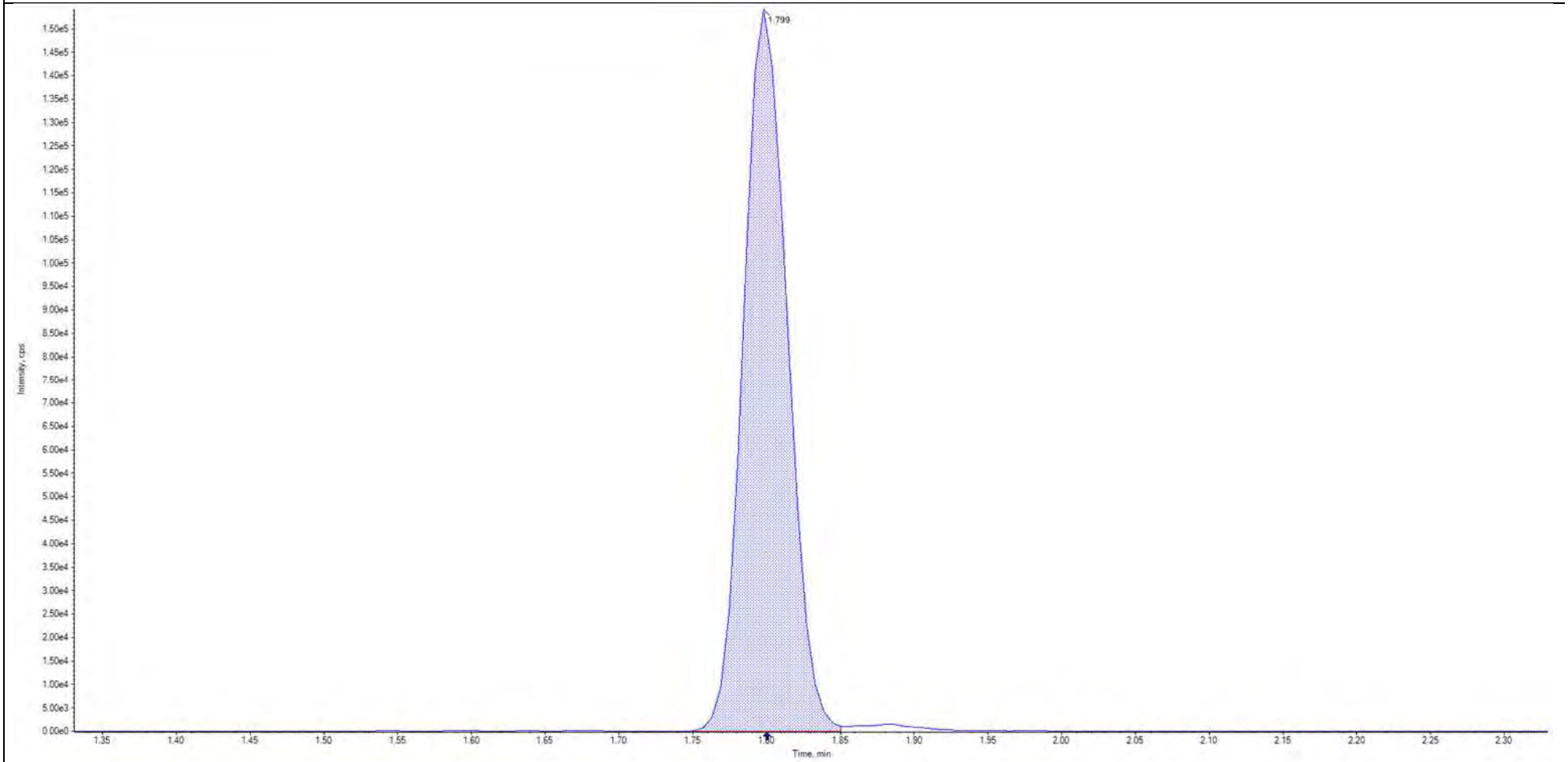
13C2-PFDoA
Sample: WG1996415-1,BSICS



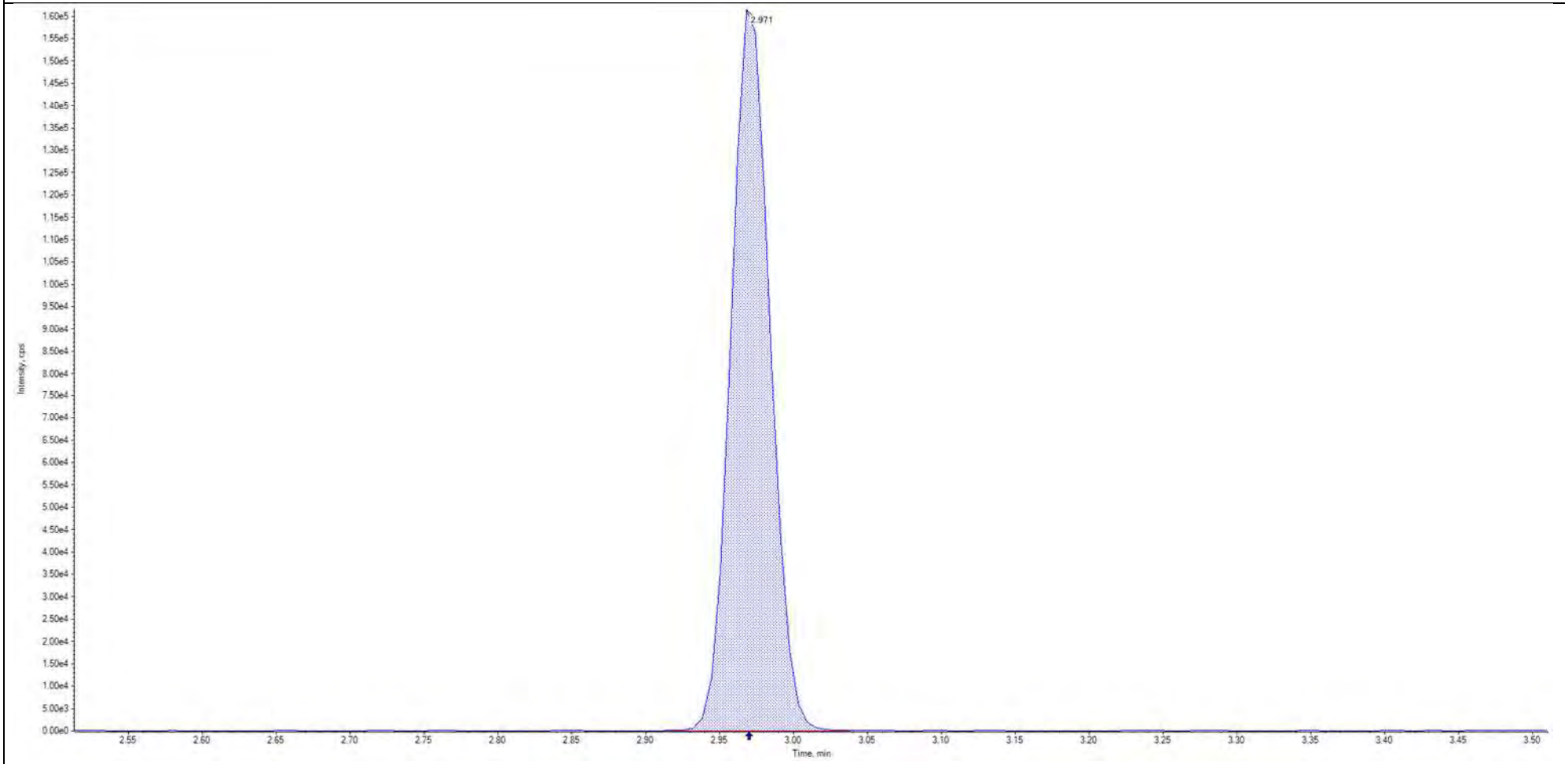
13C2-PFTeDA
Sample: WG1996415-1,BSICS



13C3-PFBS
Sample: WG1996415-1,BSICS



13C3-PFHxS
Sample: WG1996415-1,BSICS



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Alpha Analytical LLC
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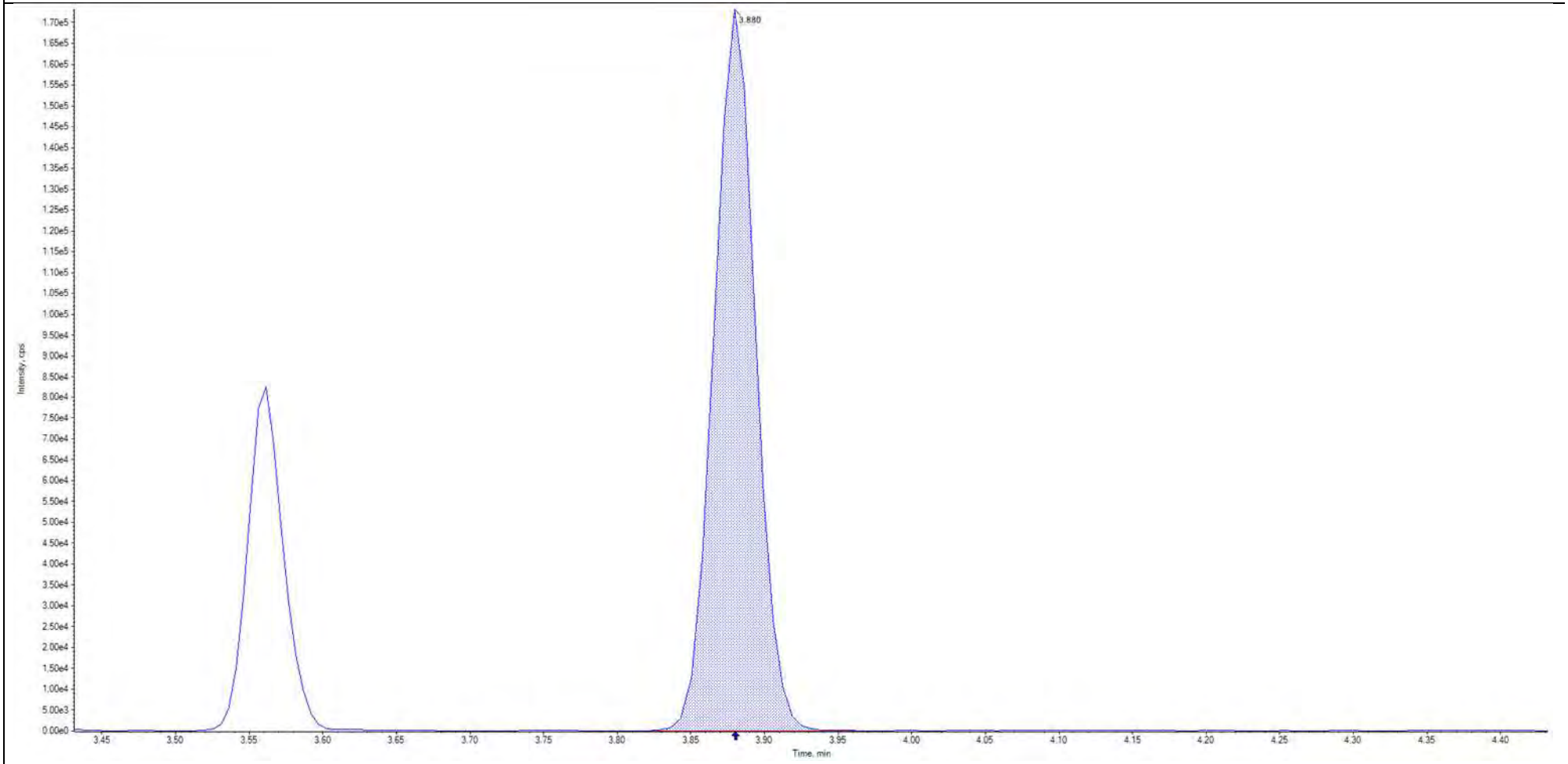
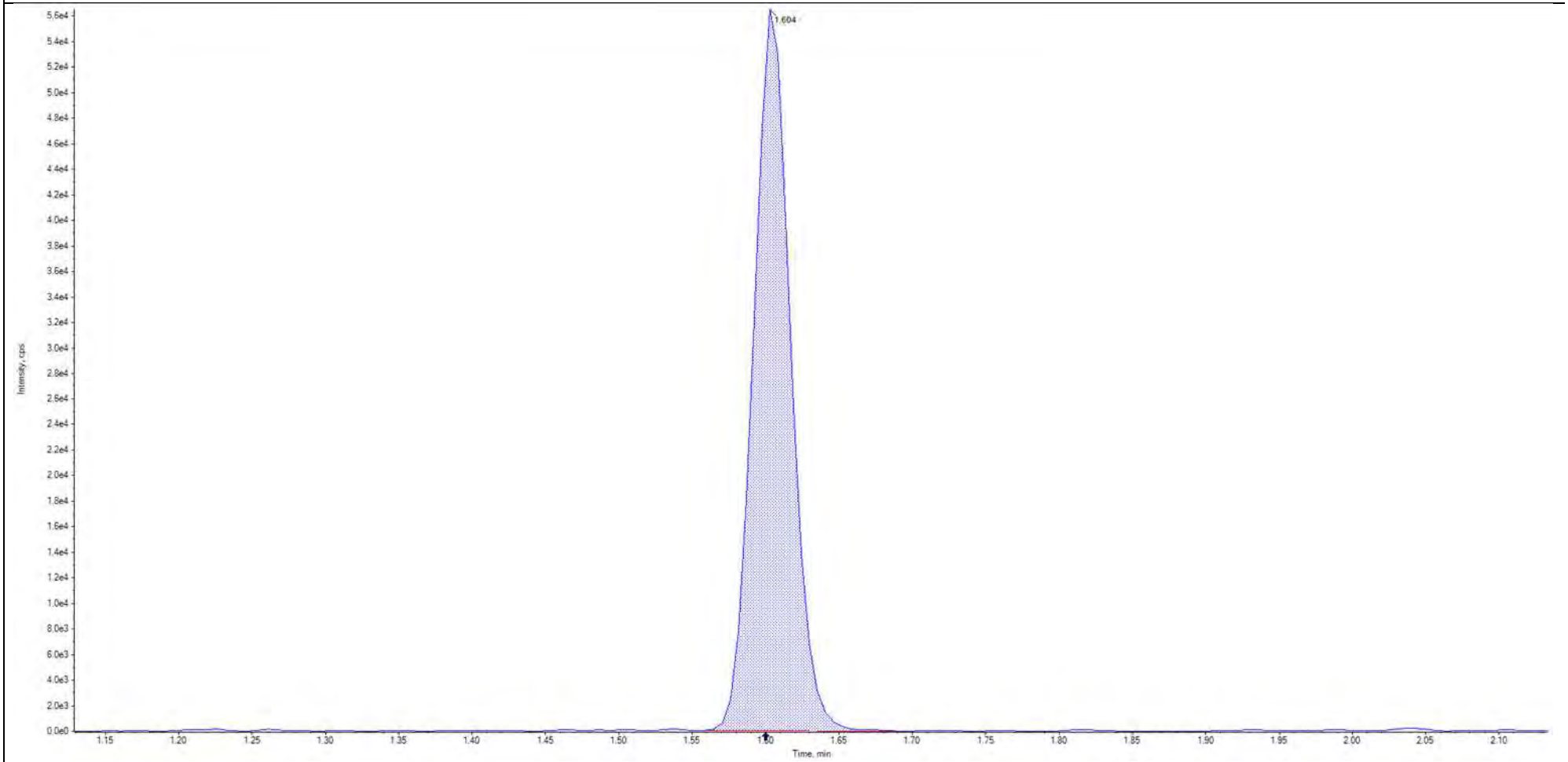
13C8-PFOS
Sample: WG1996415-1,BSICS



13C2-4:2FTS
Sample: WG1996415-1,BSICS



13C2-6:2FTS
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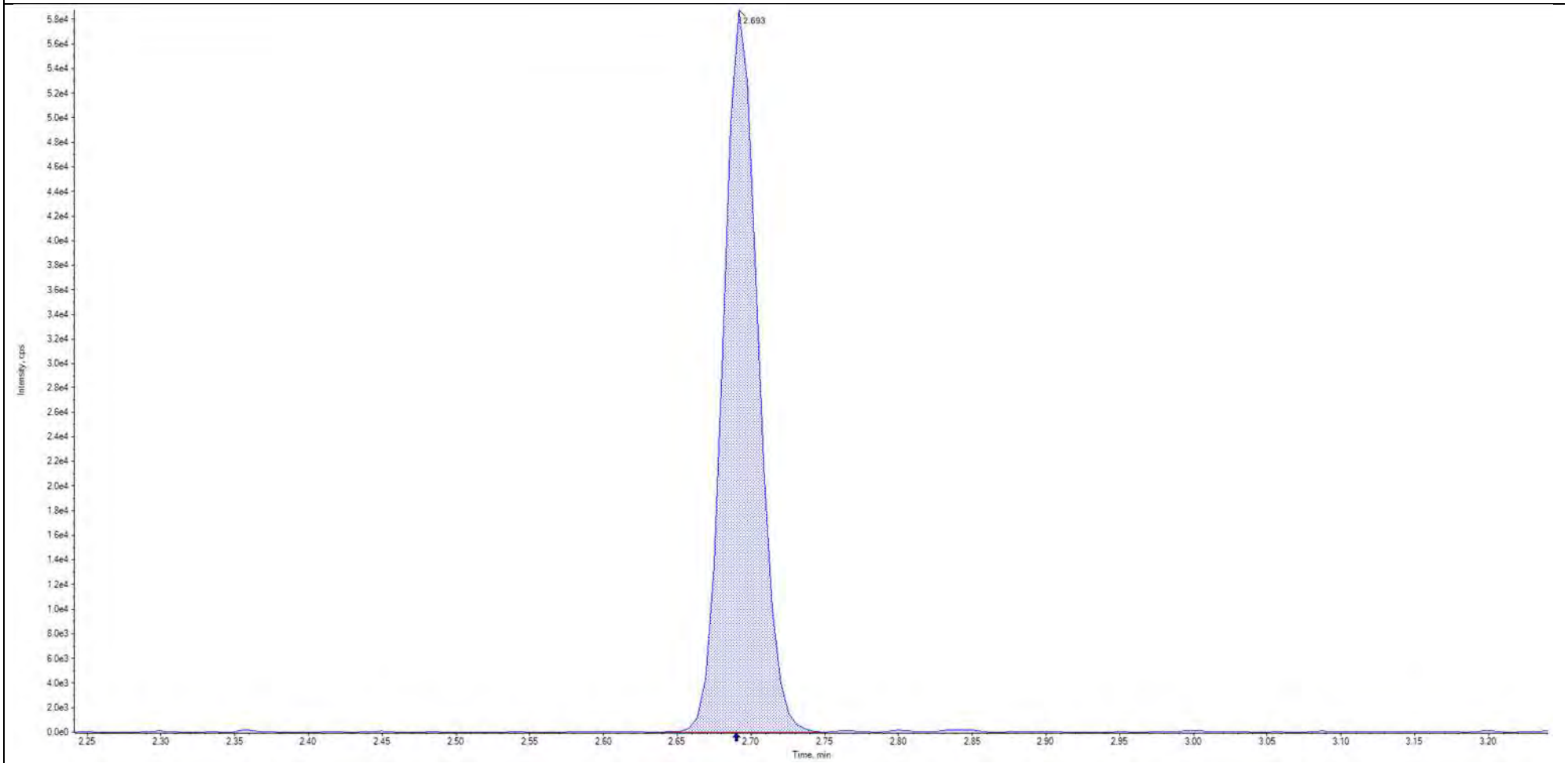
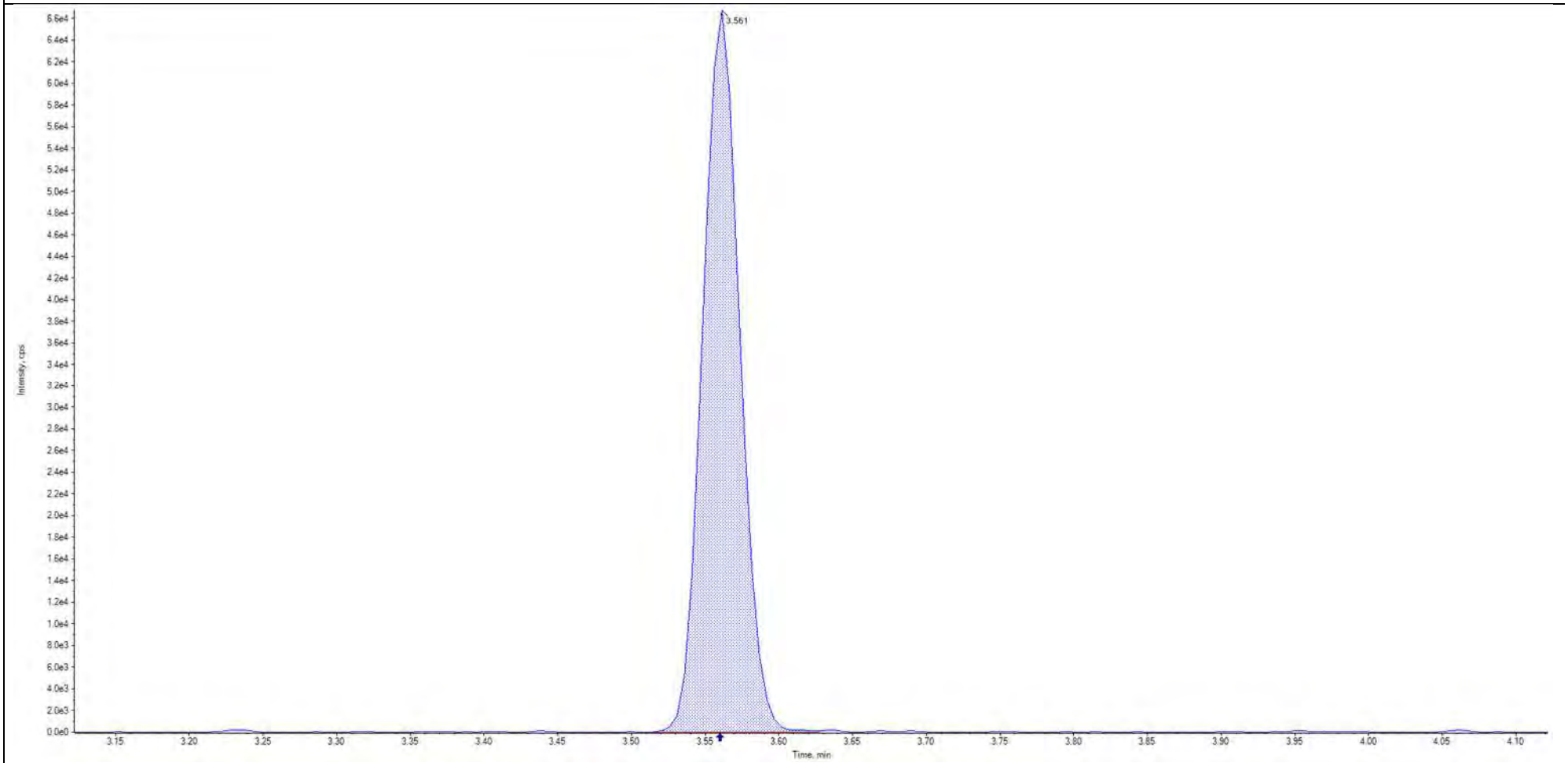
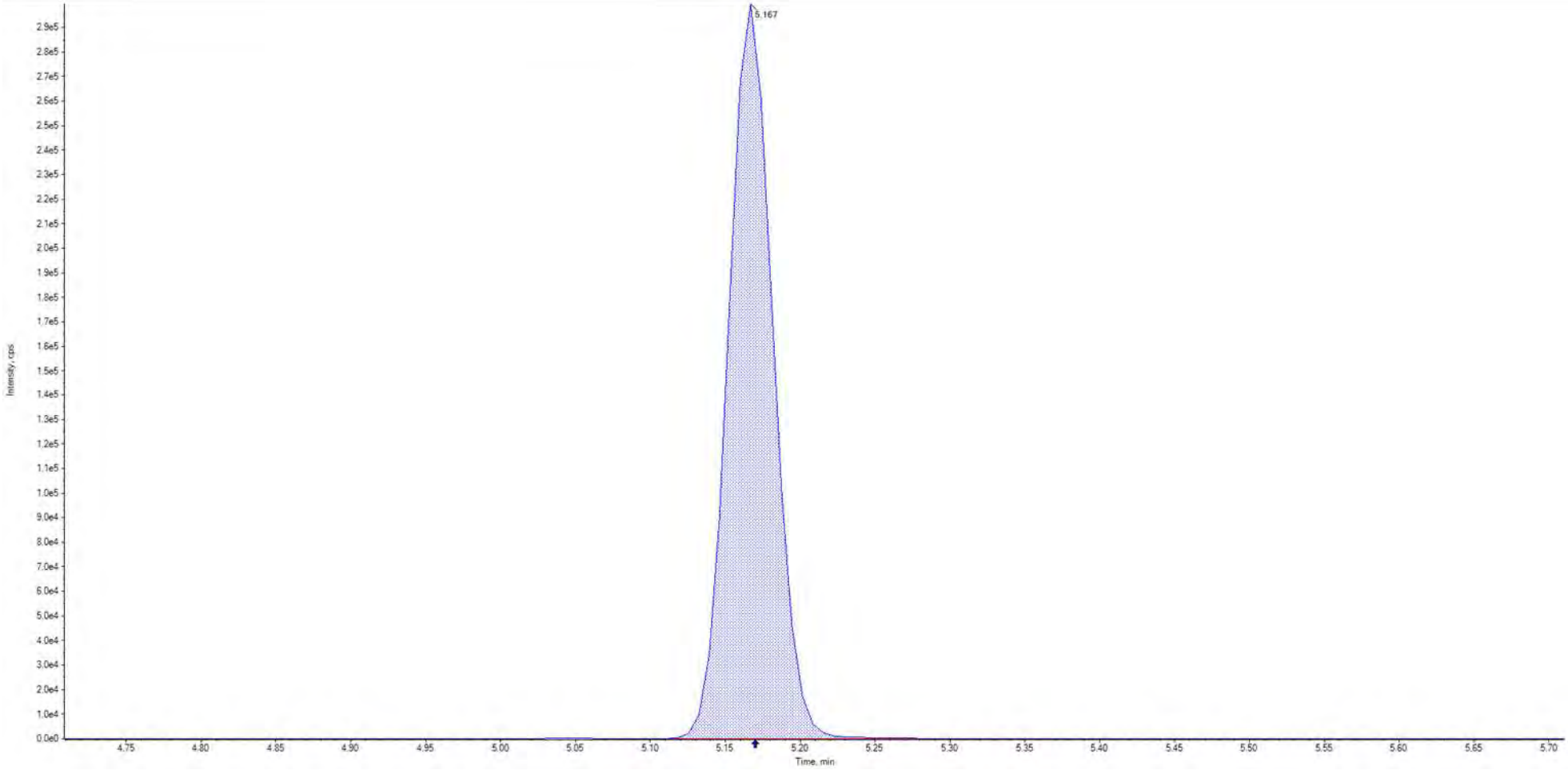


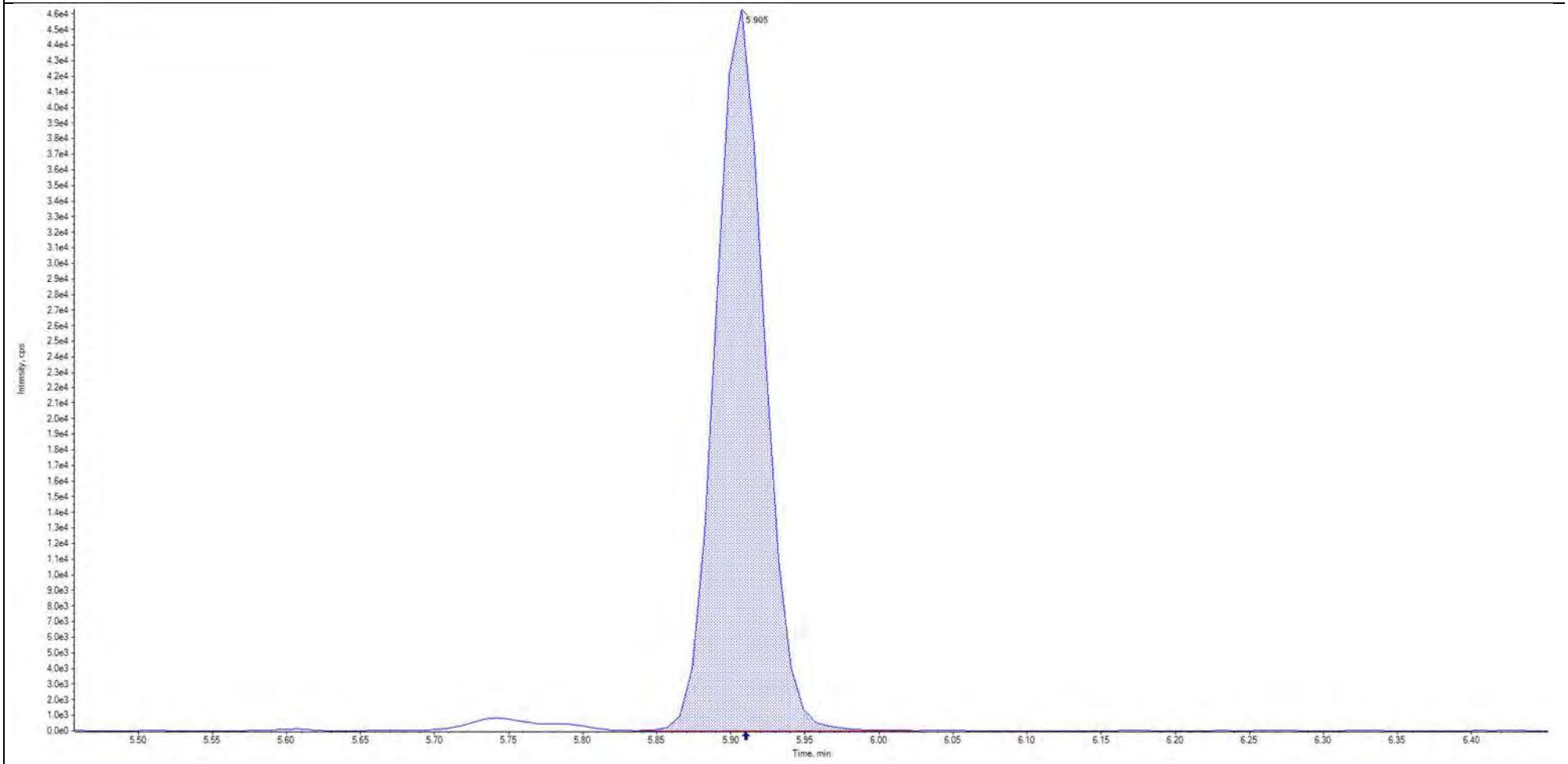
13C2-8:2FTS
Sample: WG1996415-1,BSICS



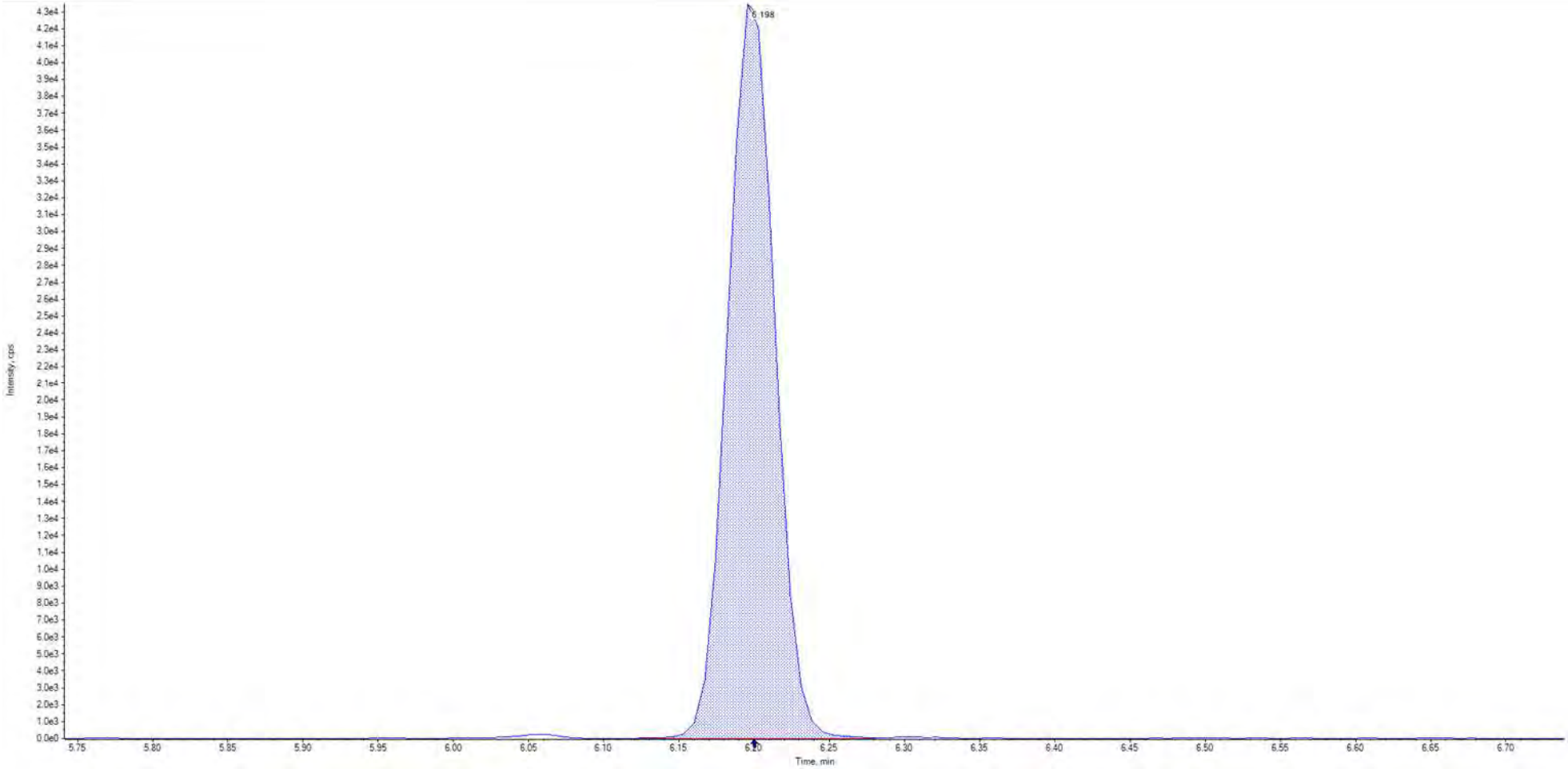
13C8-PFOSA
Sample: WG1996415-1,BSICS



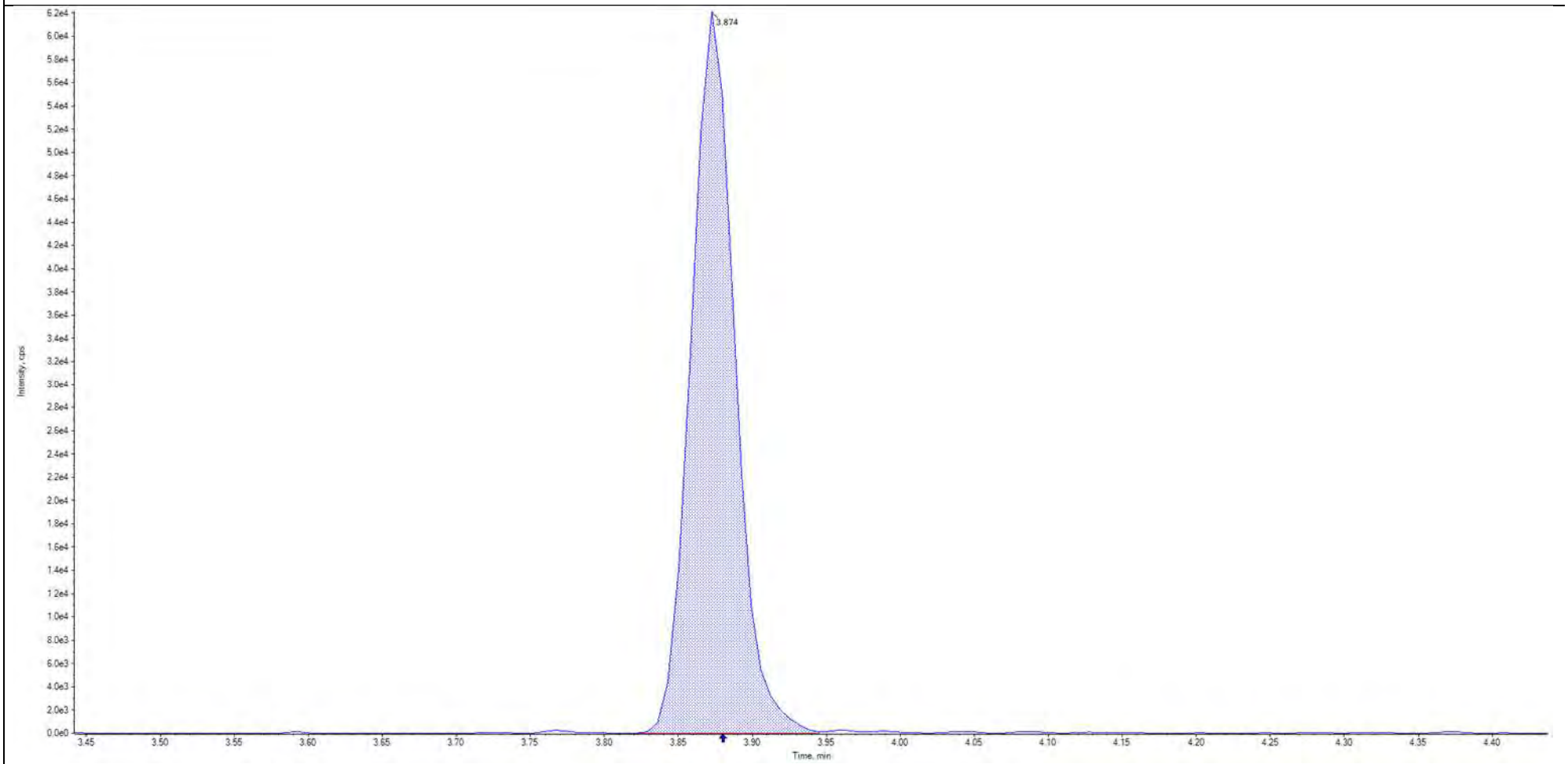
d3-NMeFOSA
Sample: WG1996415-1,BSICS



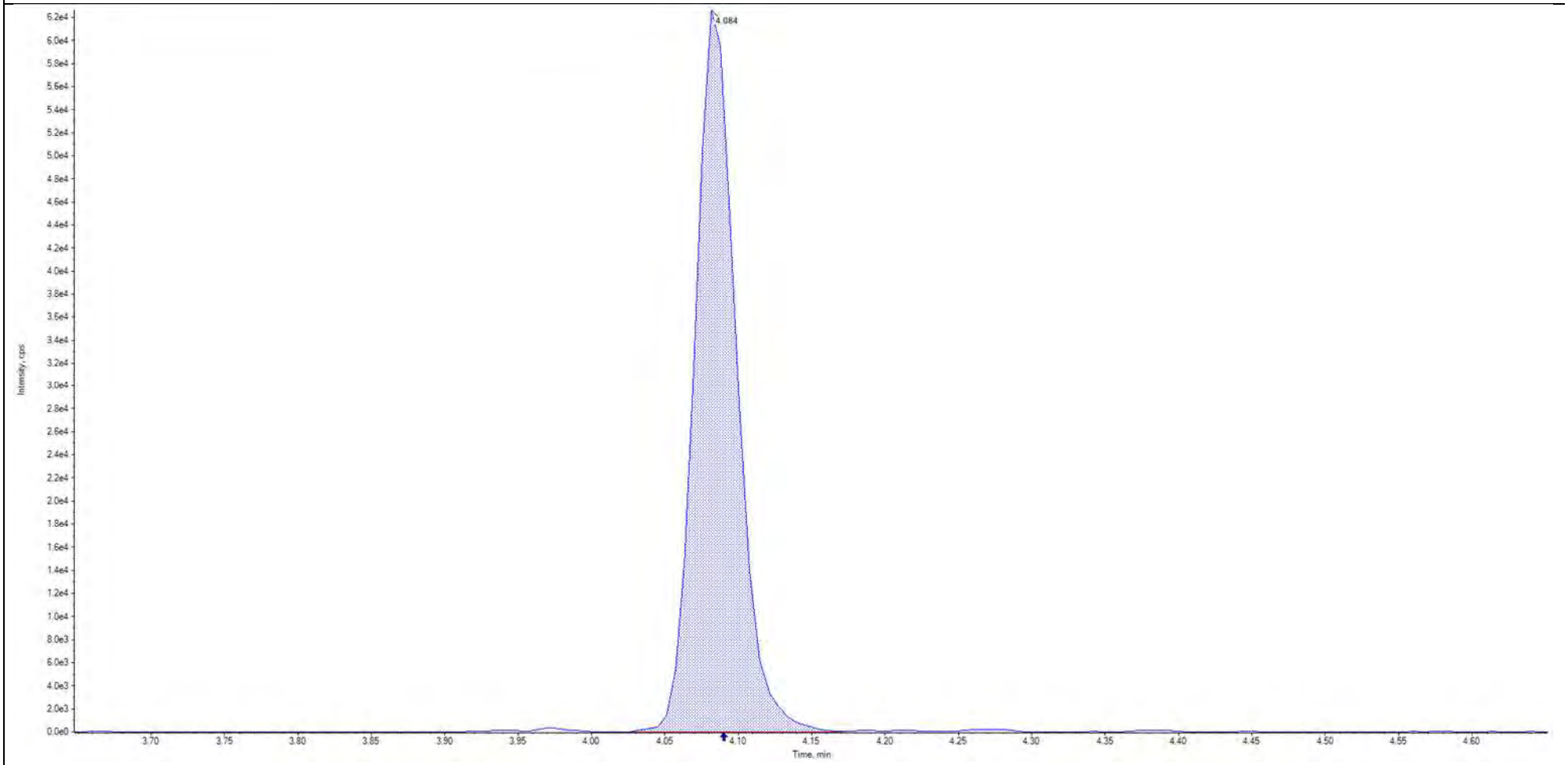
d5-NEtFOSA
Sample: WG1996415-1,BSICS



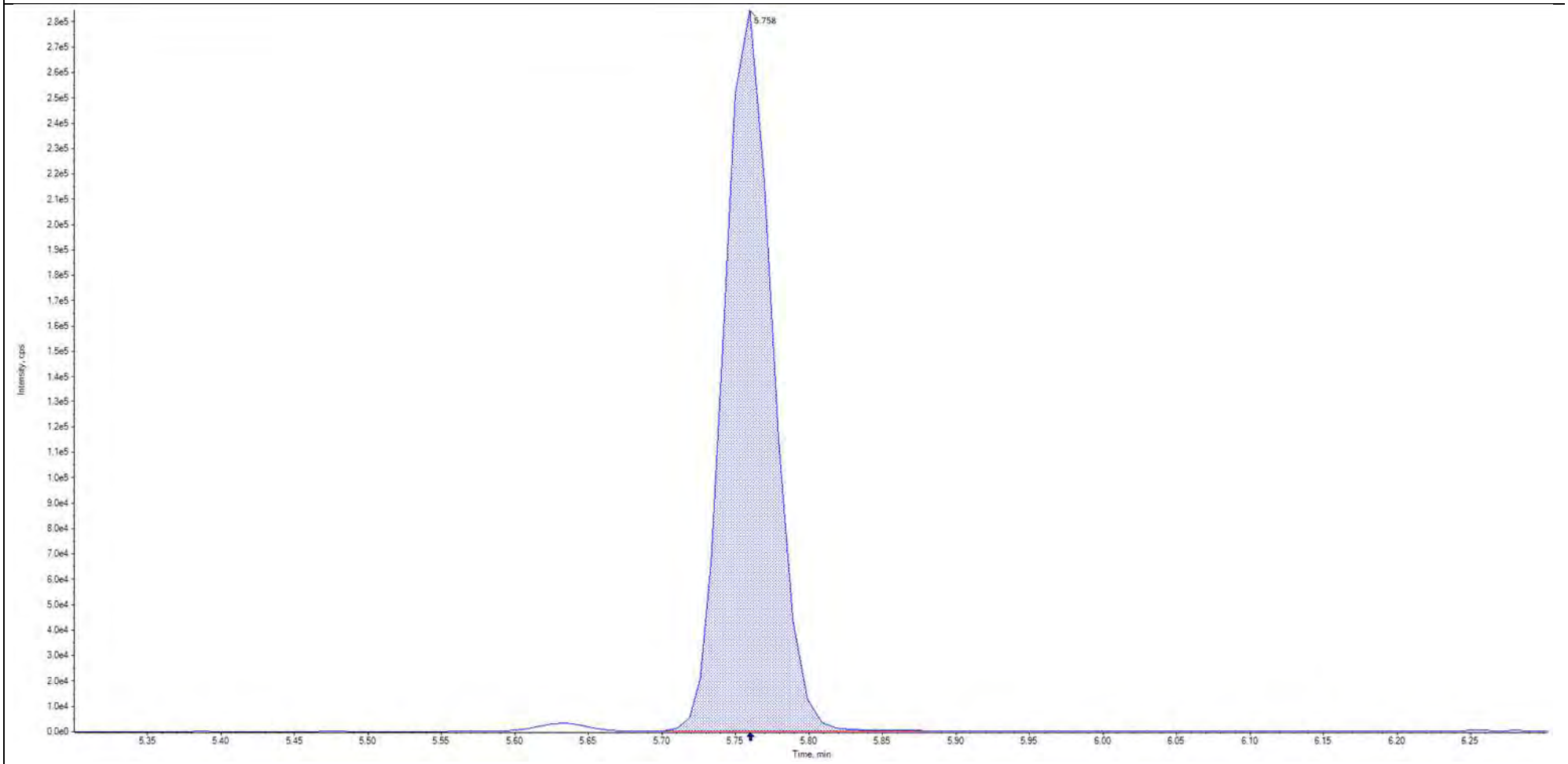
d3-NMeFOSAA
Sample: WG1996415-1,BSICS



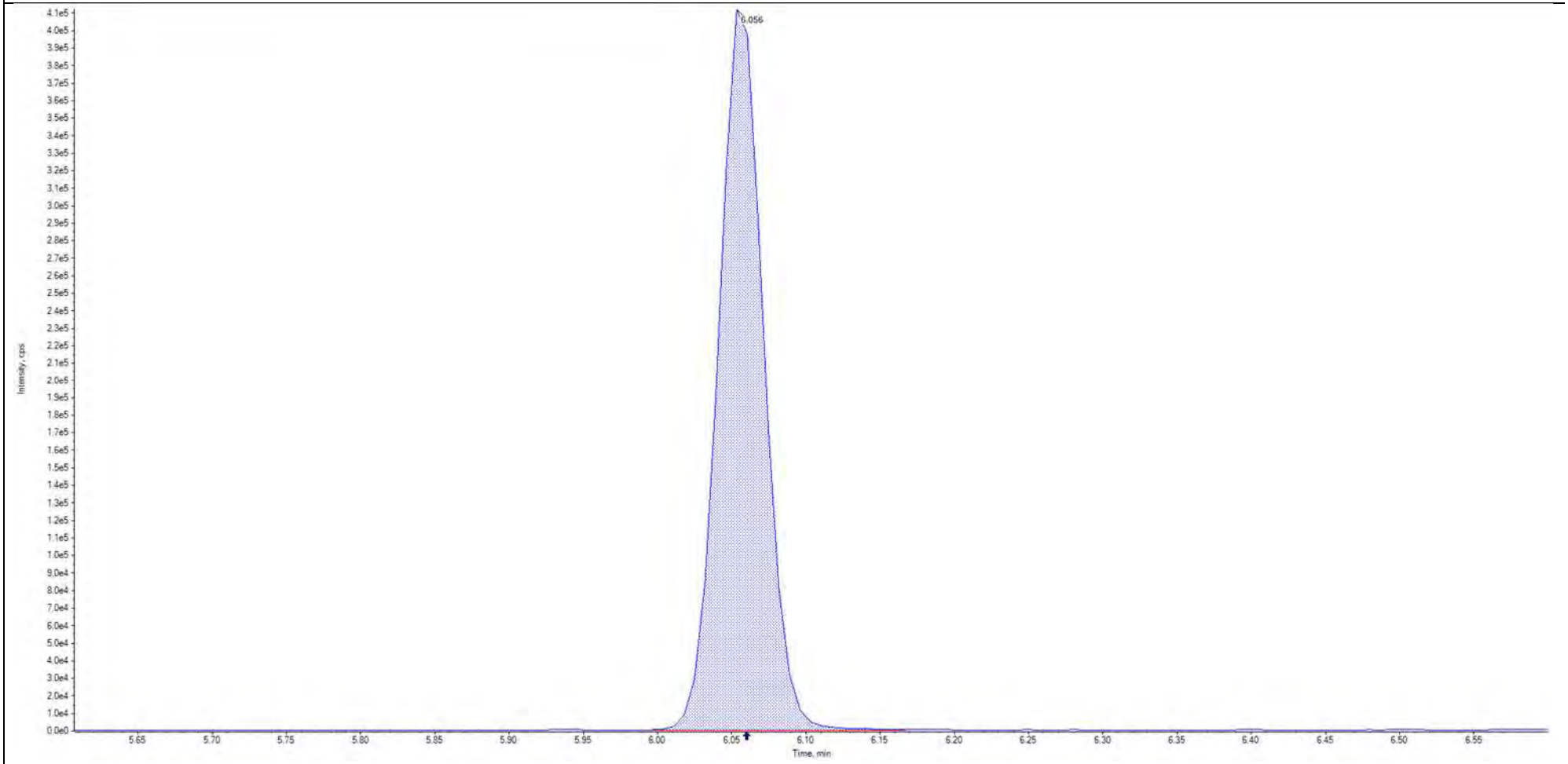
d5-NEtFOSAA
Sample: WG1996415-1,BSICS



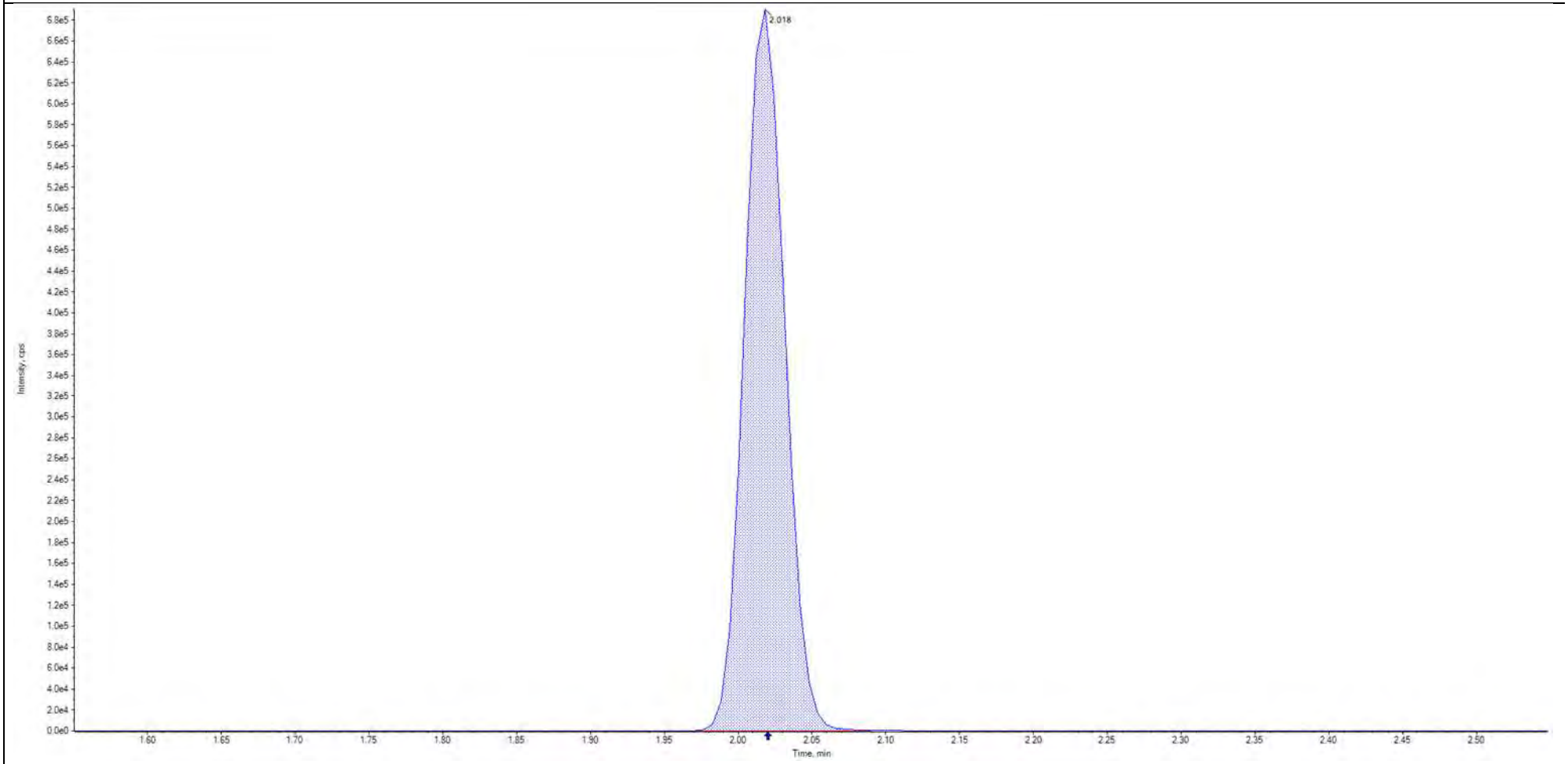
d7-NMeFOSE
Sample: WG1996415-1,BSICS



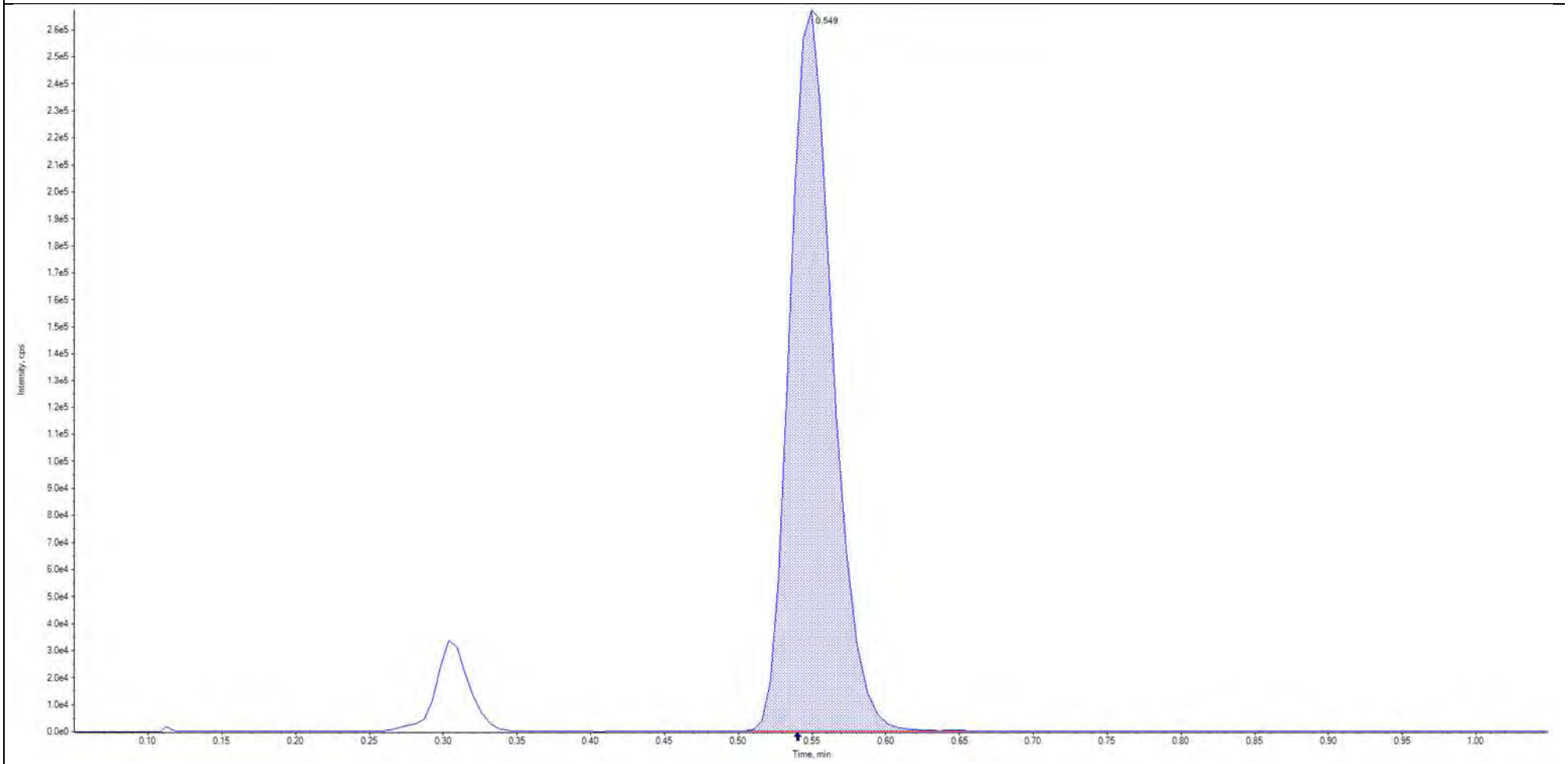
d9-NEtFOSE
Sample: WG1996415-1,BSICS



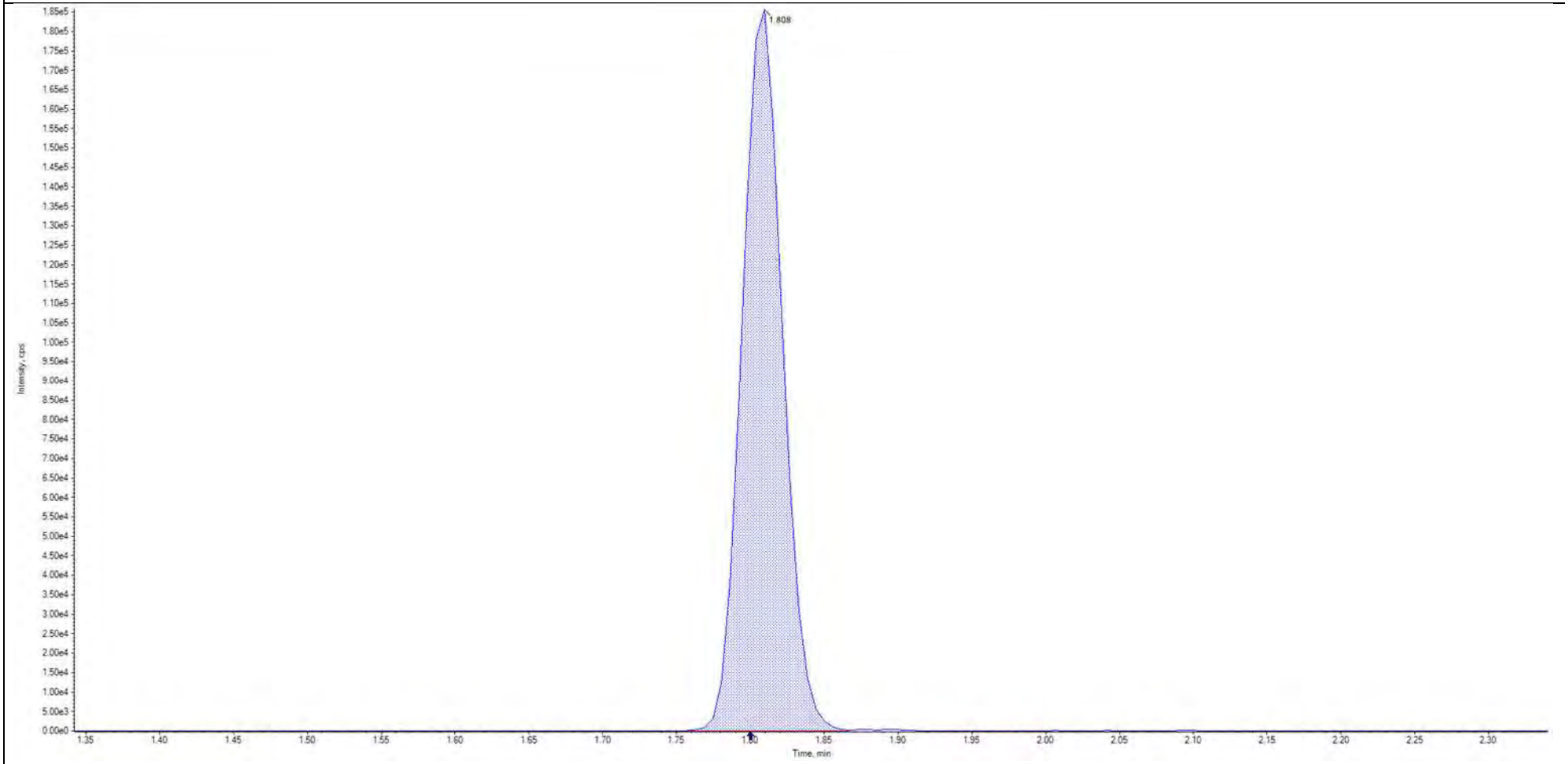
13C3-HFPO-DA
Sample: WG1996415-1,BSICS



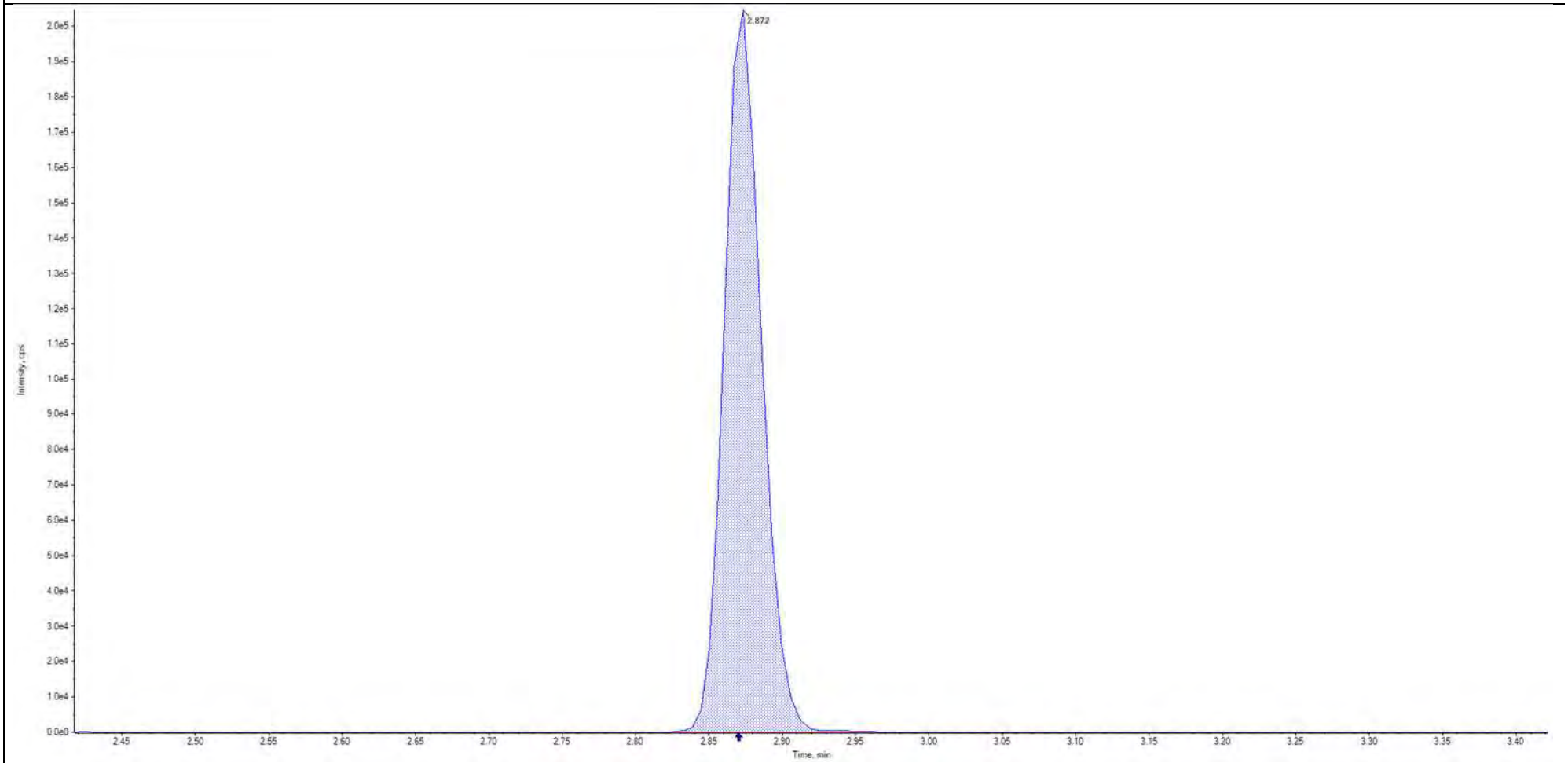
13C3-PFBA
Sample: WG1996415-1,BSICS



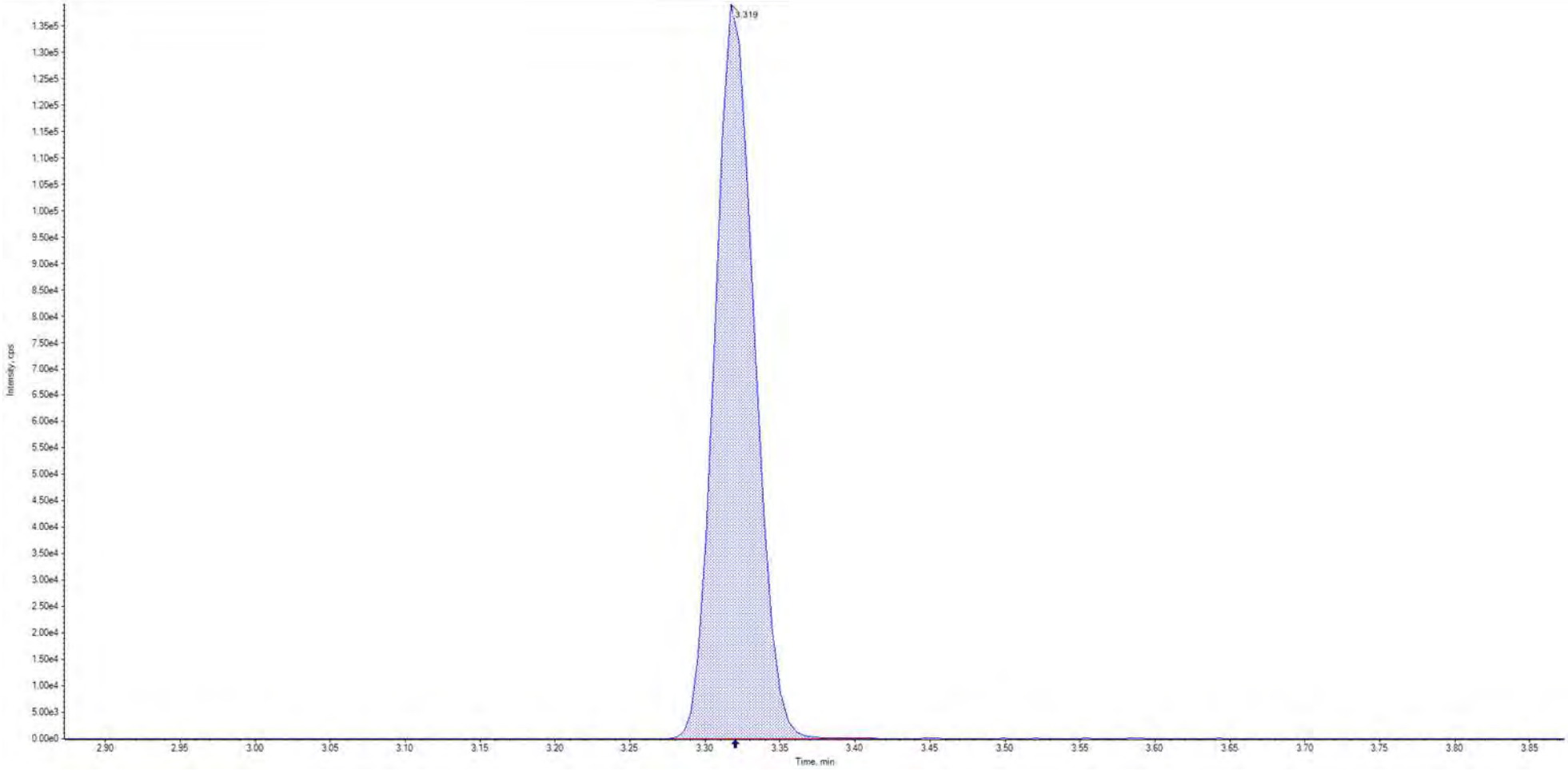
13C2-PFHxA
Sample: WG1996415-1,BSICS



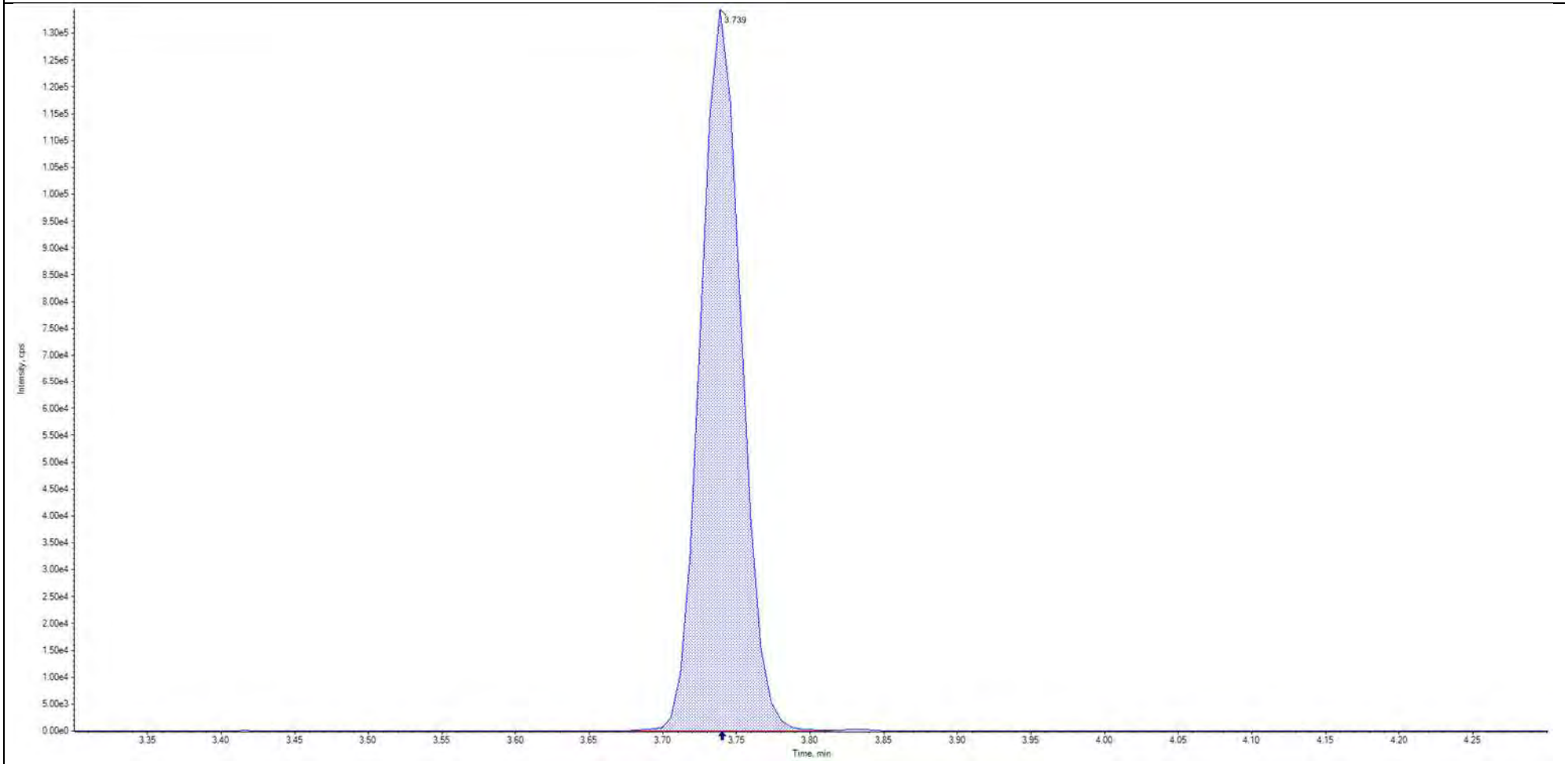
13C4-PFOA
Sample: WG1996415-1,BSICS



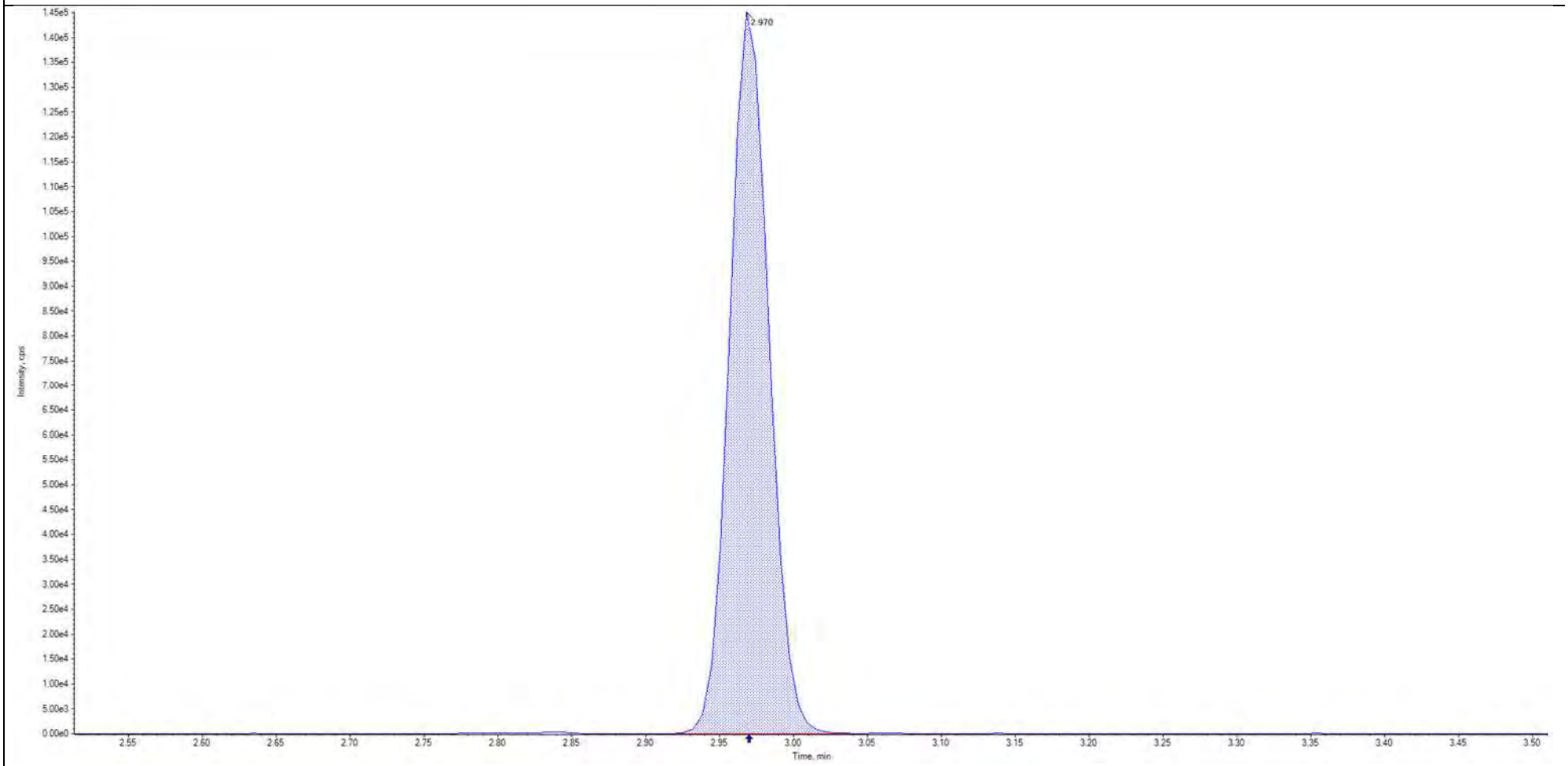
13C5-PFNA
Sample: WG1996415-1,BSICS



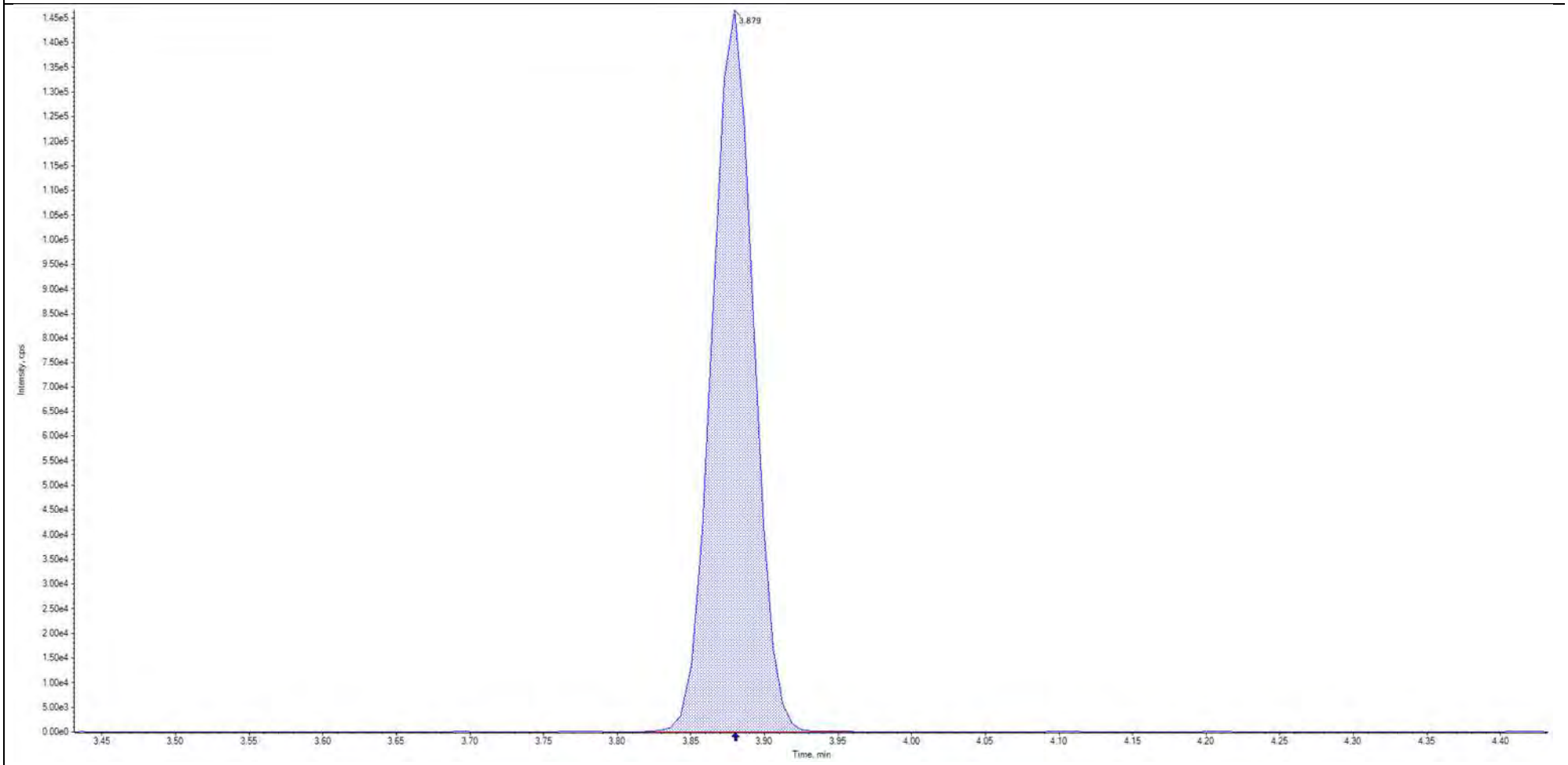
13C2-PFDA
Sample: WG1996415-1,BSICS



18O2-PFHxS
Sample: WG1996415-1,BSICS



13C4-PFOS
Sample: WG1996415-1,BSICS



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/12/2024 3:33:13 PM
Generated: 11/12/2024 3:31:45 PM

Method: EPA1633F.qmethod
Calibration: 241112_1633_ICAL

ID: WG1996415-2,INSTBLNK
Name: SCI09_241112_25.wiff2
Date & Time: 2024-11-12T15:07:44
Description: WG1996415
Instrument: SCIEX Triple Quad 5500+
User: LCMS09:PNB

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.55	213.0 / 169.0	6650		0.044	N/A	N/A	N/A	N/A
2	PFPeA	2706-90-3	N/A	263.0 / 219.0	N/A		N/A	N/A	N/A	N/A	N/A
3	PFPeA_2	2706-90-3	N/A	263.0 / 68.9	N/A		N/A	N/A	N/A	N/A	N/A
4	PFHxA	307-24-4	N/A	313.0 / 269.0	N/A		N/A	N/A	0.089	N/A	N/A
5	PFHxA_2	307-24-4	N/A	313.0 / 119.0	N/A		N/A	N/A	0.089	N/A	N/A
6	PFHpA	375-85-9	N/A	363.1 / 319.0	N/A		N/A	N/A	0.384	N/A	N/A
7	PFHpA_2	375-85-9	N/A	363.1 / 169.0	N/A		N/A	N/A	0.384	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	N/A	413.1 / 369.1	N/A		N/A	N/A	0.410	N/A	N/A
9	PFOA_2	335-67-1	N/A	413.1 / 169.0	N/A		N/A	N/A	0.410	N/A	N/A
10	PFNA	375-95-1	N/A	462.8 / 418.9	N/A		N/A	N/A	0.341	N/A	N/A
11	PFNA_2	375-95-1	N/A	462.8 / 219.0	N/A		N/A	N/A	0.341	N/A	N/A
12	PFDA	335-76-2	N/A	513.1 / 469.1	N/A		N/A	N/A	0.215	N/A	N/A
13	PFDA_2	335-76-2	N/A	513.1 / 219.0	N/A		N/A	N/A	0.215	N/A	N/A
14	PFUnA	2058-94-8	N/A	563.1 / 519.1	N/A		N/A	N/A	0.151	N/A	N/A
15	PFUnA_2	2058-94-8	N/A	563.1 / 269.0	N/A		N/A	N/A	0.151	N/A	N/A
16	PFDoA	307-55-1	N/A	613.1 / 569.1	N/A		N/A	N/A	0.140	N/A	N/A
17	PFDoA_2	307-55-1	N/A	613.1 / 319.0	N/A		N/A	N/A	0.140	N/A	N/A
18	PFTrDA	72629-94-8	N/A	663.1 / 619.1	N/A		N/A	N/A	0.159	N/A	N/A
19	PFTrDA_2	72629-94-8	N/A	663.1 / 169.0	N/A		N/A	N/A	0.159	N/A	N/A
20	PFTeDA	376-06-7	5.28	713.1 / 669.1	3981		0.019	0.155	0.159	Pass	N/A
21	PFTeDA_2	376-06-7	5.28	713.1 / 169.0	617		0.019	0.155	0.159	Pass	N/A
22	PFBS	375-73-5	N/A	299.1 / 80.1	N/A		N/A	N/A	0.398	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	N/A	299.1 / 99.1	N/A		N/A	N/A	0.398	N/A	N/A
24	PFPeS	2706-91-4	N/A	349.1 / 80.1	N/A		N/A	N/A	0.285	N/A	N/A
25	PFPeS_2	2706-91-4	N/A	349.1 / 99.1	N/A		N/A	N/A	0.285	N/A	N/A
26	PFHxS	355-46-4	N/A	399.1 / 80.1	N/A		N/A	N/A	0.293	N/A	N/A
27	PFHxS_2	355-46-4	N/A	399.1 / 99.1	N/A		N/A	N/A	0.293	N/A	N/A
28	PFHpS	375-92-8	N/A	449.1 / 80.1	N/A		N/A	N/A	0.308	N/A	N/A
29	PFHpS_2	375-92-8	N/A	449.1 / 99.1	N/A		N/A	N/A	0.308	N/A	N/A
30	PFOS	1763-23-1	N/A	499.1 / 80.1	N/A		N/A	N/A	0.241	N/A	N/A
31	PFOS_2	1763-23-1	N/A	499.1 / 99.1	N/A		N/A	N/A	0.241	N/A	N/A
32	PFNS	68259-12-1	N/A	549.1 / 80.1	N/A		N/A	N/A	0.299	N/A	N/A
33	PFNS_2	68259-12-1	N/A	549.1 / 99.1	N/A		N/A	N/A	0.299	N/A	N/A
34	PFDS	335-77-3	N/A	599.1 / 80.1	N/A		N/A	N/A	0.274	N/A	N/A
35	PFDS_2	335-77-3	N/A	599.1 / 99.1	N/A		N/A	N/A	0.274	N/A	N/A
36	PFDoS	79780-39-5	N/A	699.2 / 80.1	N/A		N/A	N/A	0.247	N/A	N/A
37	PFDoS_2	79780-39-5	N/A	699.2 / 99.1	N/A		N/A	N/A	0.247	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	N/A	327.1 / 307.1	N/A		N/A	N/A	0.634	N/A	N/A
39	4:2FTS_2	757124-72-4	N/A	327.1 / 81.1	N/A		N/A	N/A	0.634	N/A	N/A
40	6:2FTS	27619-97-2	N/A	427.2 / 407.2	N/A		N/A	N/A	0.609	N/A	N/A
41	6:2FTS_2	27619-97-2	N/A	427.2 / 81.1	N/A		N/A	N/A	0.609	N/A	N/A
42	8:2FTS	39108-34-4	N/A	527.2 / 507.2	N/A		N/A	N/A	0.681	N/A	N/A
43	8:2FTS_2	39108-34-4	N/A	527.2 / 81.1	N/A		N/A	N/A	0.681	N/A	N/A
44	PFOSA	754-91-6	N/A	498.1 / 78.1	N/A		N/A	N/A	0.024	N/A	N/A
45	PFOSA_2	754-91-6	N/A	498.1 / 478.0	N/A		N/A	N/A	0.024	N/A	N/A
46	NMeFOSA	31506-32-8	N/A	512.2 / 219.0	N/A		N/A	N/A	1.421	N/A	N/A
47	NMeFOSA_2	31506-32-8	N/A	512.2 / 169.0	N/A		N/A	N/A	1.421	N/A	N/A
48	NEtFOSA	4151-50-2	N/A	526.2 / 219.0	N/A		N/A	N/A	1.258	N/A	N/A
49	NEtFOSA_2	4151-50-2	N/A	526.2 / 169.0	N/A		N/A	N/A	1.258	N/A	N/A
50	NMeFOSAA	2355-31-9	N/A	570.2 / 419.1	N/A		N/A	N/A	0.683	N/A	N/A
51	NMeFOSAA_2	2355-31-9	N/A	570.2 / 483.0	N/A		N/A	N/A	0.683	N/A	N/A
52	NEtFOSAA	2991-50-6	N/A	584.2 / 419.1	N/A		N/A	N/A	0.571	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	N/A	584.2 / 526.2	N/A		N/A	N/A	0.571	N/A	N/A
54	NMeFOSE	24448-09-7	N/A	616.1 / 58.9	N/A		N/A	N/A	N/A	N/A	N/A
55	NEtFOSE	1691-99-2	N/A	630.0 / 58.9	N/A		N/A	N/A	N/A	N/A	N/A
56	HFPO-DA	13252-13-6	N/A	285.0 / 169.0	N/A		N/A	N/A	0.510	N/A	N/A
57	HFPO-DA_2	13252-13-6	N/A	285.0 / 184.9	N/A		N/A	N/A	0.510	N/A	N/A
58	ADONA	919005-14-4	N/A	376.9 / 251.0	N/A		N/A	N/A	0.636	N/A	N/A
59	ADONA_2	919005-14-4	N/A	376.9 / 84.8	N/A		N/A	N/A	0.636	N/A	N/A
60	9Cl-PF3ONS	756426-58-1	N/A	530.8 / 351.1	N/A		N/A	N/A	0.326	N/A	N/A
61	9Cl-PF3ONS_2	756426-58-1	N/A	532.8 / 353.0	N/A		N/A	N/A	0.326	N/A	N/A
62	11Cl-PF3OUdS	763051-92-9	N/A	630.9 / 451.0	N/A		N/A	N/A	0.318	N/A	N/A
63	11Cl-PF3OUdS_2	763051-92-9	N/A	632.9 / 452.9	N/A		N/A	N/A	0.318	N/A	N/A
64	3:3FTCA	356-02-5	N/A	241.1 / 177.1	N/A		N/A	N/A	1.068	N/A	N/A
65	3:3FTCA_2	356-02-5	N/A	241.1 / 117.0	N/A		N/A	N/A	1.068	N/A	N/A
66	5:3FTCA	914637-49-3	N/A	341.1 / 237.1	N/A		N/A	N/A	1.045	N/A	N/A
67	5:3FTCA_2	914637-49-3	N/A	341.1 / 217.0	N/A		N/A	N/A	1.045	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	3.96	441.1 / 316.9	10402		0.251	1.567	1.285	Pass	N/A
69	7:3FTCA_2	812-70-4	3.96	441.1 / 337.1	16301		0.303	1.567	1.285	Pass	N/A
70	PFEESA	113507-82-7	N/A	315.1 / 135.0	N/A		N/A	N/A	0.081	N/A	N/A
71	PFEESA_2	113507-82-7	N/A	315.1 / 82.9	N/A		N/A	N/A	0.081	N/A	N/A
72	PFMPA	377-73-1	N/A	229.0 / 85.0	N/A		N/A	N/A	N/A	N/A	N/A
73	PFMBA	863090-89-5	N/A	279.0 / 85.0	N/A		N/A	N/A	N/A	N/A	N/A
74	NFDHA	151772-58-6	N/A	295.0 / 201.0	N/A		N/A	N/A	0.681	N/A	N/A
75	NFDHA_2	151772-58-6	N/A	295.0 / 84.9	N/A		N/A	N/A	0.681	N/A	N/A
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	5.357	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	5.357	N/A	N/A
78	13C2D4-4:2FTS	Surr	N/A	333.2 / 312.1	N/A		N/A	N/A	N/A	N/A	N/A
79	13C2-PFOA	Surr	N/A	415.0 / 370.0	N/A		N/A	N/A	N/A	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.55	217.0 / 172.0	1758238		10.537	NA	NA	NA	105.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.08	268.0 / 223.0	725802		5.242	NA	NA	NA	104.8
	13C5-PFHxA	EIS	1.82	318.0 / 273.0	380412		2.604	NA	NA	NA	104.2
	13C4-PFHpA	EIS	2.39	367.0 / 322.0	327500		2.686	NA	NA	NA	107.4
	13C8-PFOA	EIS	2.88	420.8 / 376.0	624969		2.757	NA	NA	NA	110.3
	13C9-PFNA	EIS	3.33	472.0 / 427.0	292732		1.301	NA	NA	NA	104.1
	13C6-PFDA	EIS	3.75	519.0 / 474.0	330681		1.381	NA	NA	NA	110.5
	13C7-PFUnA	EIS	4.15	570.0 / 525.0	373105		1.404	NA	NA	NA	112.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.54	615.1 / 570.0	372322		1.311	NA	NA	NA	104.9
	13C2-PFTeDA	EIS	5.28	715.1 / 670.1	258607		1.227	NA	NA	NA	98.2
	13C3-PFBS	EIS	1.81	302.1 / 80.1	412527		2.437	NA	NA	NA	104.6
	13C3-PFHxS	EIS	2.98	402.1 / 80.1	367806		2.452	NA	NA	NA	103.5
	13C8-PFOS	EIS	3.89	507.1 / 80.1	422380		2.538	NA	NA	NA	105.8
	13C2-4:2FTS	EIS	1.62	329.1 / 81.1	105697		4.493	NA	NA	NA	95.8
	13C2-6:2FTS	EIS	2.70	429.2 / 81.1	96473		4.620	NA	NA	NA	97.1
	13C2-8:2FTS	EIS	3.57	529.2 / 81.1	105523		4.270	NA	NA	NA	89.0

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C8-PFOSA	EIS	5.17	506.1 / 78.1	732920		2.594	NA	NA	NA	103.8
d3-NMeFOSA	EIS	5.91	515.2 / 219.0	116013		2.508	NA	NA	NA	100.3
d5-NEtFOSA	EIS	6.20	531.2 / 219.0	105510		2.513	NA	NA	NA	100.5
d3-NMeFOSAA	EIS	3.88	573.2 / 419.1	152582		5.312	NA	NA	NA	106.2
d5-NEtFOSAA	EIS	4.09	589.3 / 419.1	144209		5.094	NA	NA	NA	101.9
d7-NMeFOSE	EIS	5.76	623.2 / 58.9	749614		25.013	NA	NA	NA	100.1
d9-NEtFOSE	EIS	6.06	639.2 / 58.9	1011006		25.070	NA	NA	NA	100.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.03	287.0 / 169.0	1520712		10.659	NA	NA	NA	106.6
	13C3-PFBA	NIS	0.55	216.0 / 172.0	727393		5.736	NA	NA	NA	114.7
	13C2-PFHxA	NIS	1.82	315.0 / 270.0	405327		2.721	NA	NA	NA	108.9
	13C4-PFOA	NIS	2.88	417.0 / 372.0	361372		2.507	NA	NA	NA	100.3
	13C5-PFNA	NIS	3.33	468.0 / 423.0	280161		1.372	NA	NA	NA	109.8
	13C2-PFDA	NIS	3.75	515.1 / 470.1	284228		1.348	NA	NA	NA	107.8
	18O2-PFHxS	NIS	2.98	403.1 / 84.1	313195		2.684	NA	NA	NA	113.3
	13C4-PFOS	NIS	3.89	503.1 / 80.1	331454		2.641	NA	NA	NA	110.0

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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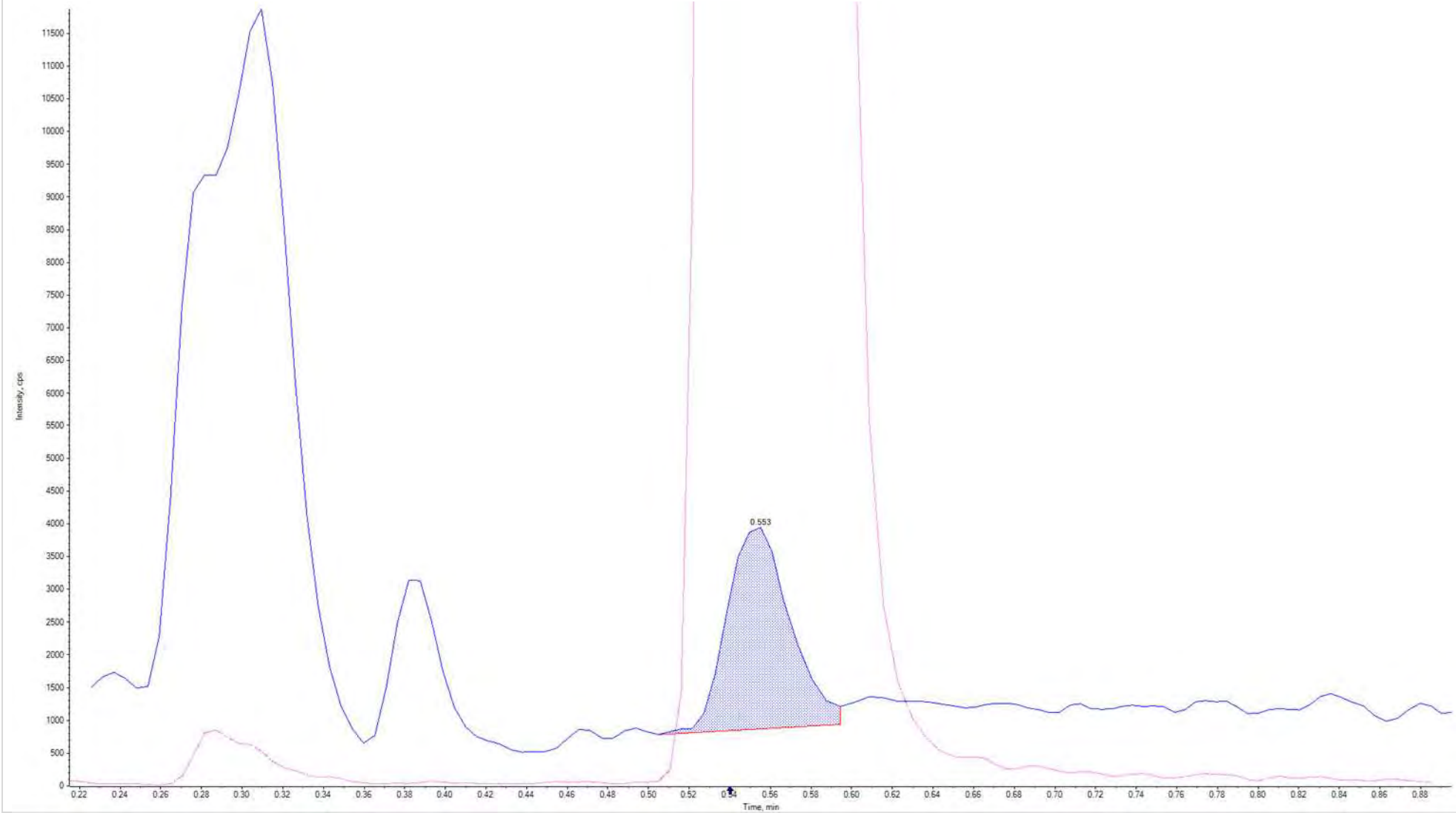
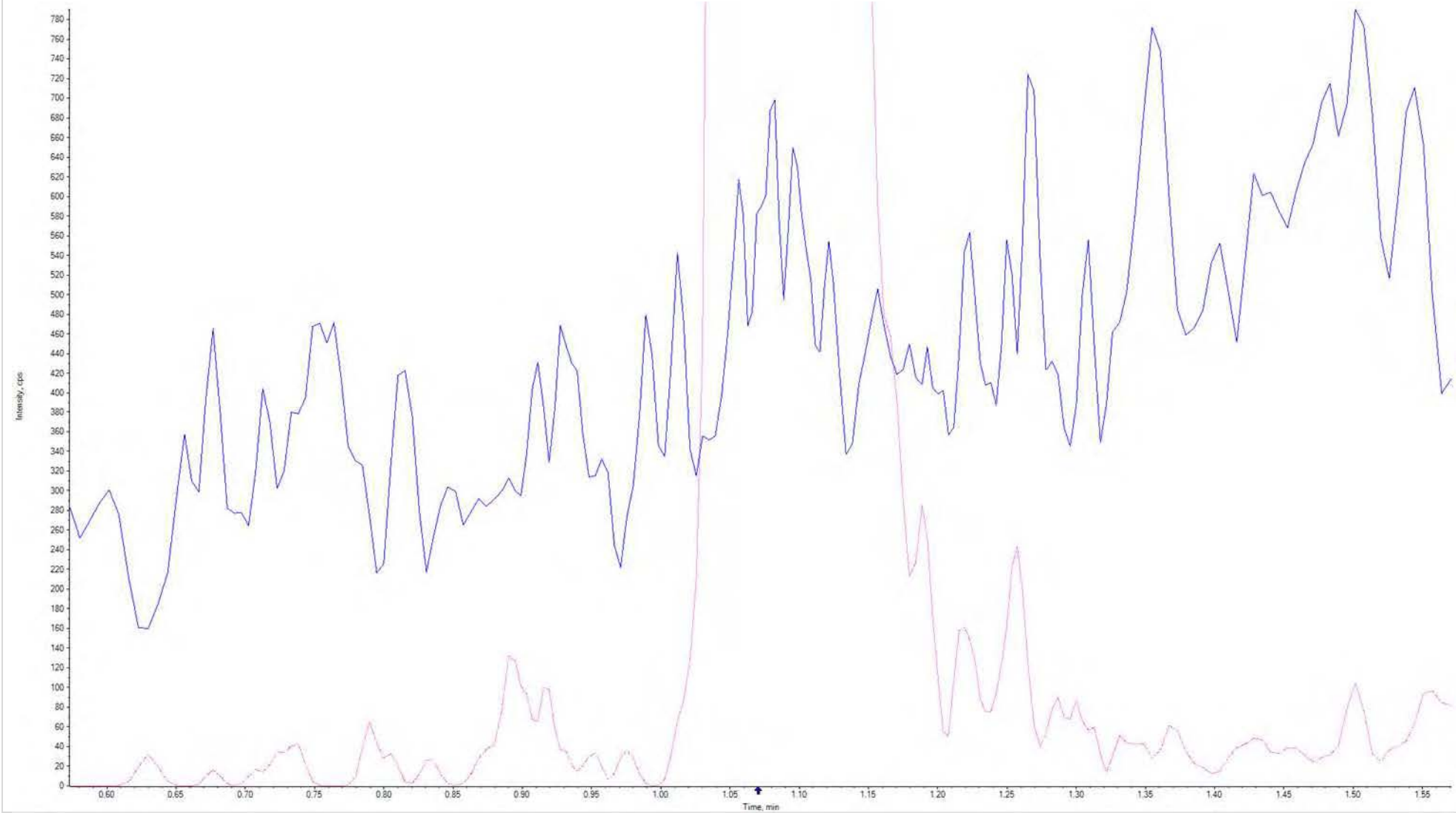
PFBA
Sample: WG1996415-2,INSTBLNK S/N:26.7 Points Across peak:16



PFPeA
Sample: WG1996415-2,INSTBLNK S/N:N/A Points Across peak:N/A



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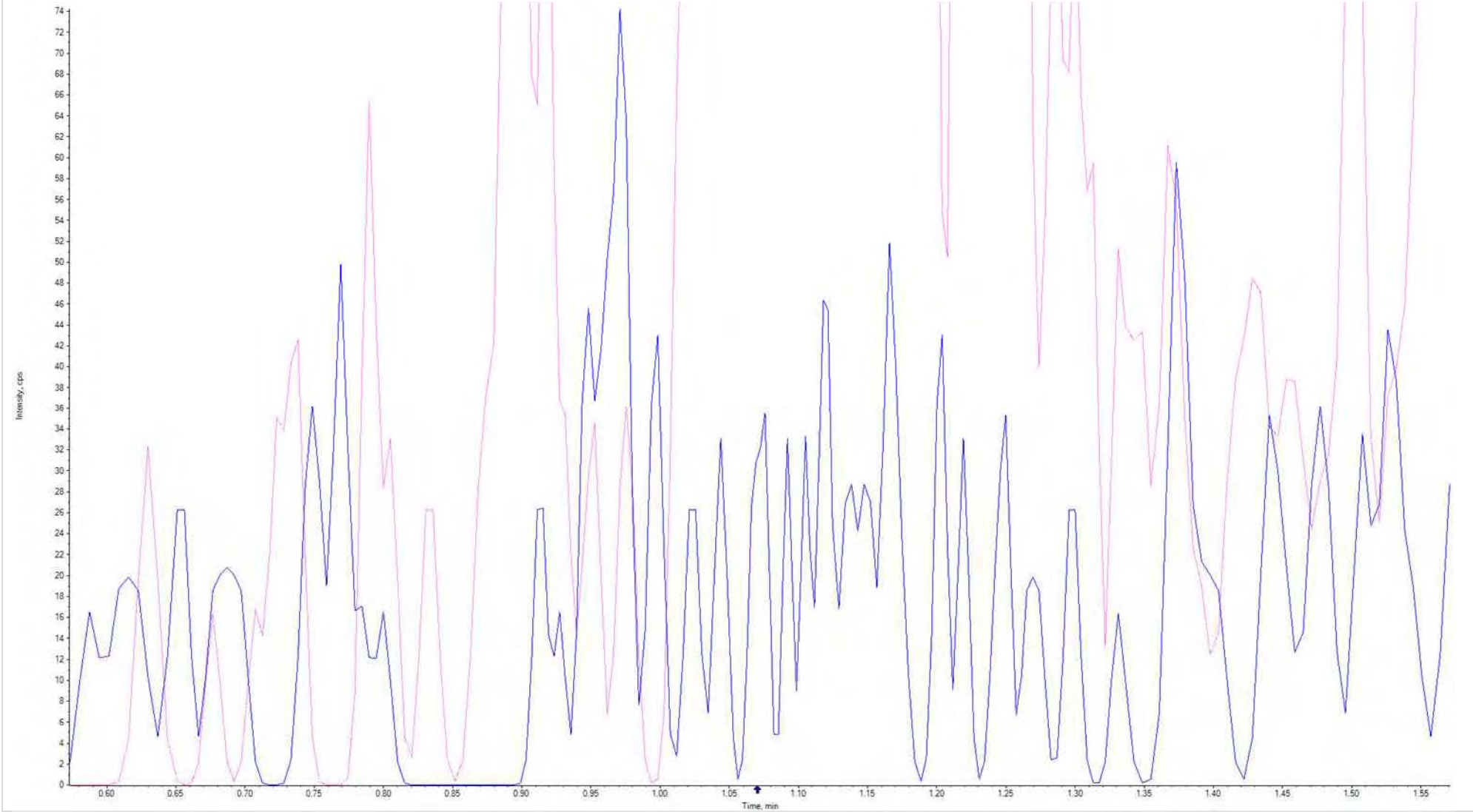
PFPeA_2
Sample: WG1996415-2,INSTBLNK S/N:N/A Points Across peak:N/A



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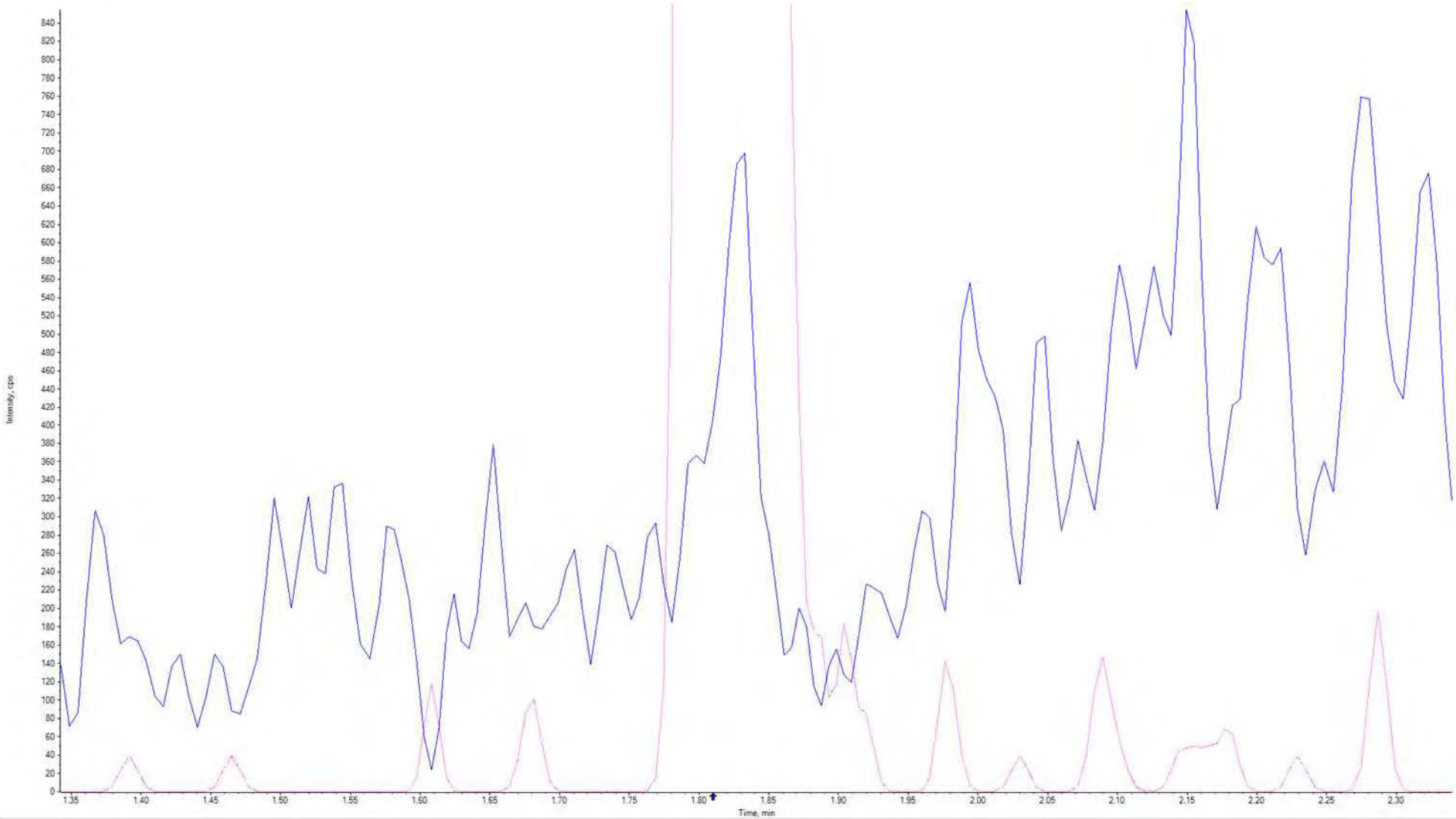
PFHxA
Sample: WG1996415-2,INSTBLNK S/N:N/A Points Across peak:N/A



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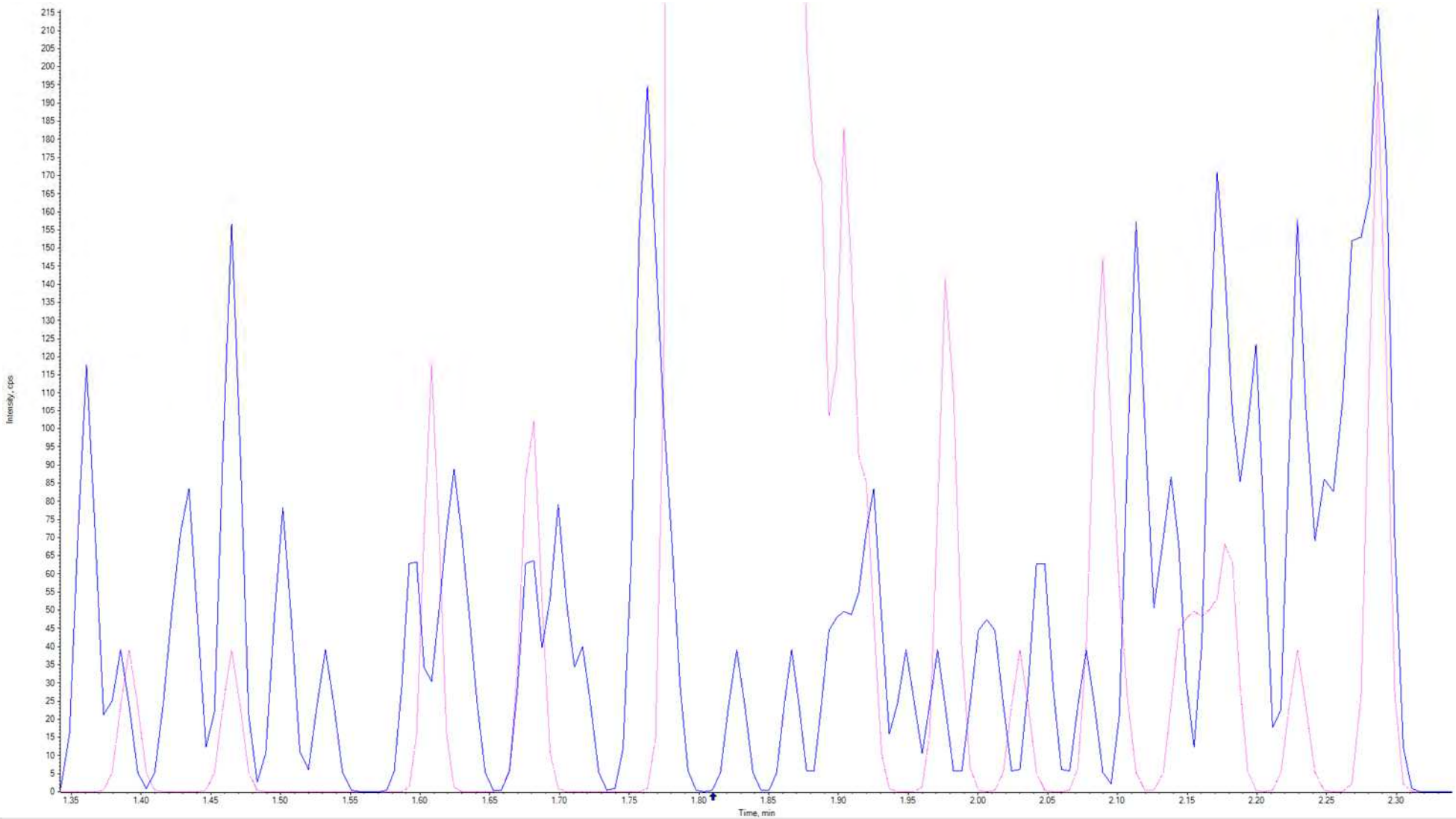
PFHxA_2
Sample: WG1996415-2,INSTBLNK S/N:N/A Points Across peak:N/A



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PFHpA
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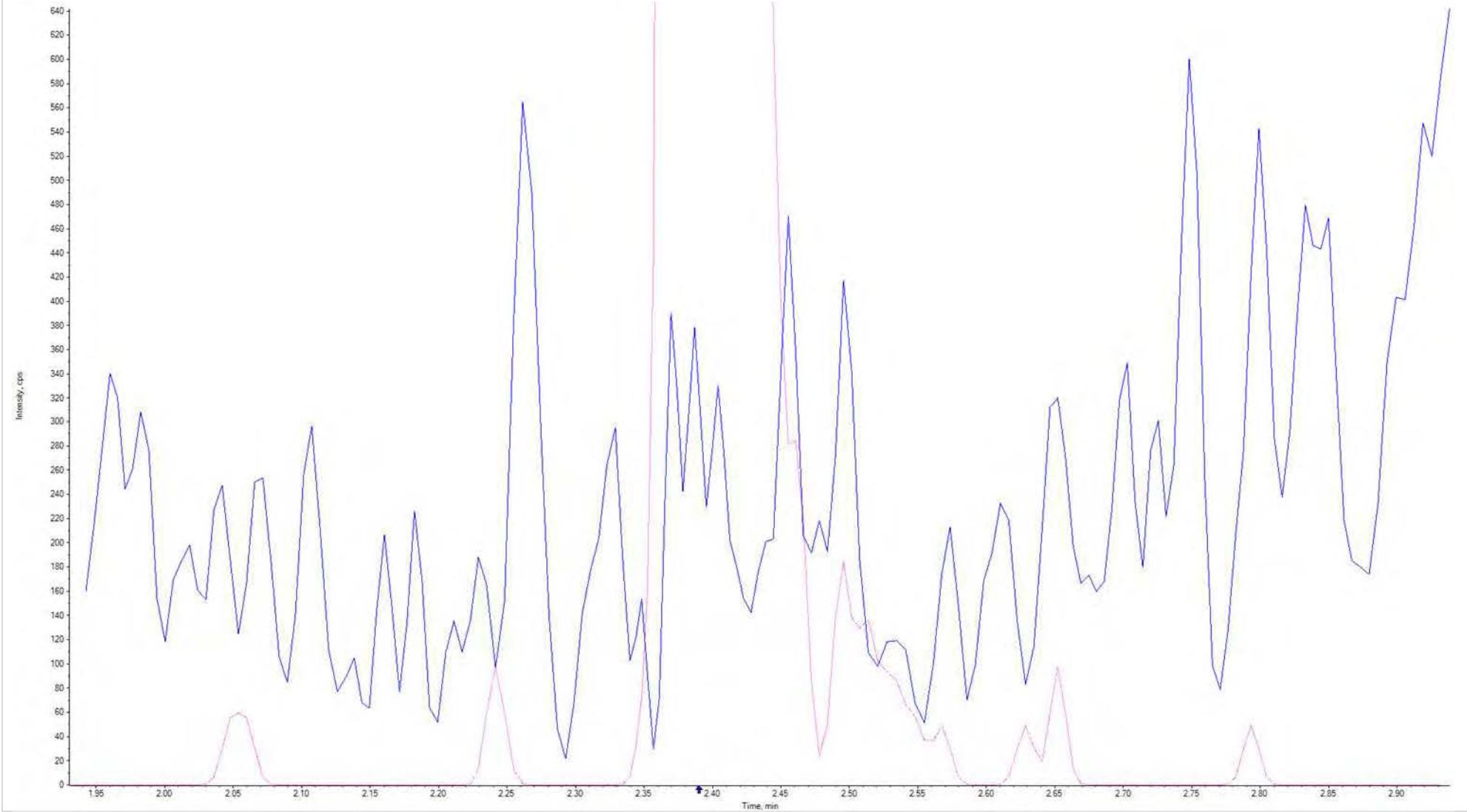

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PFHpA_2
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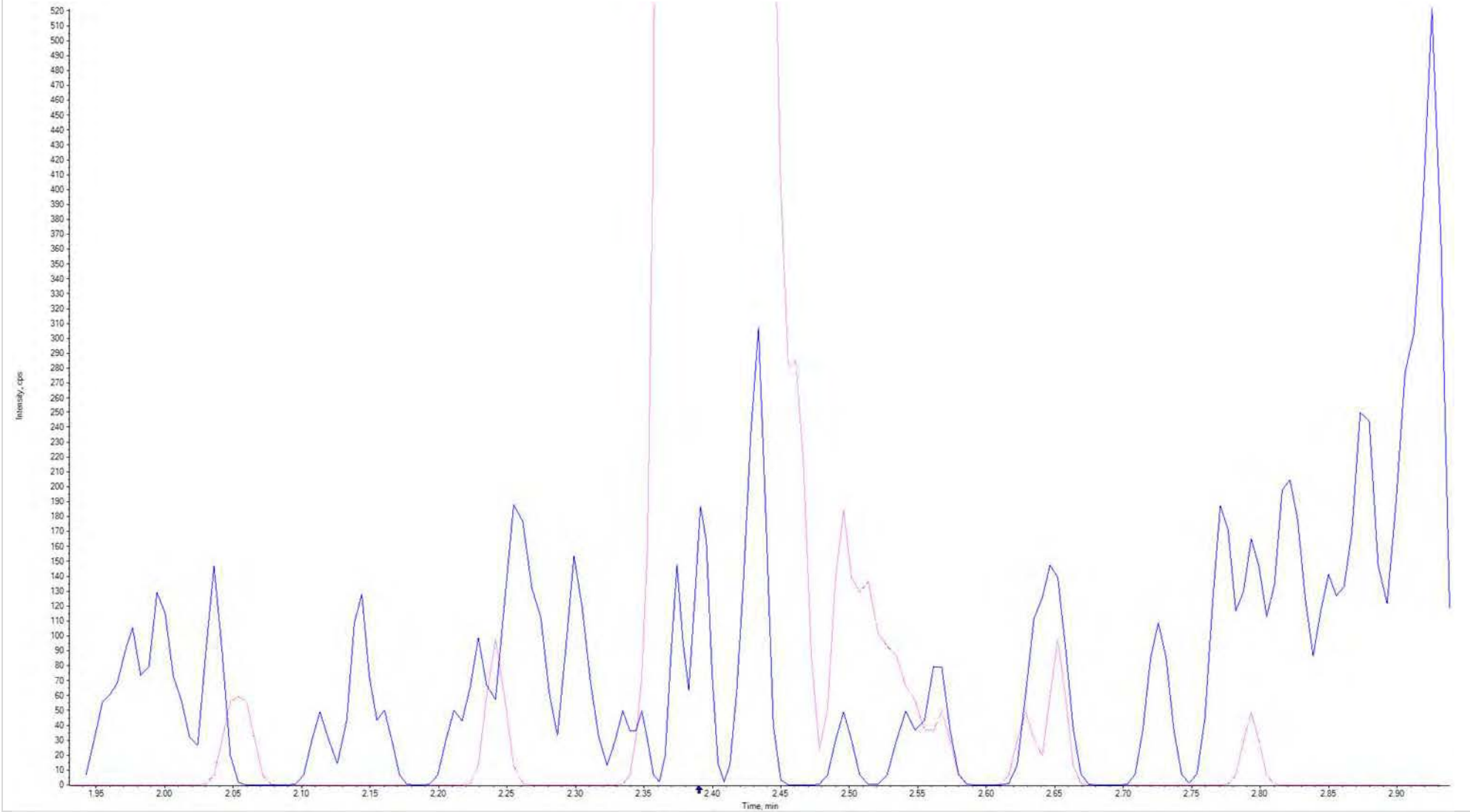

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PFOA
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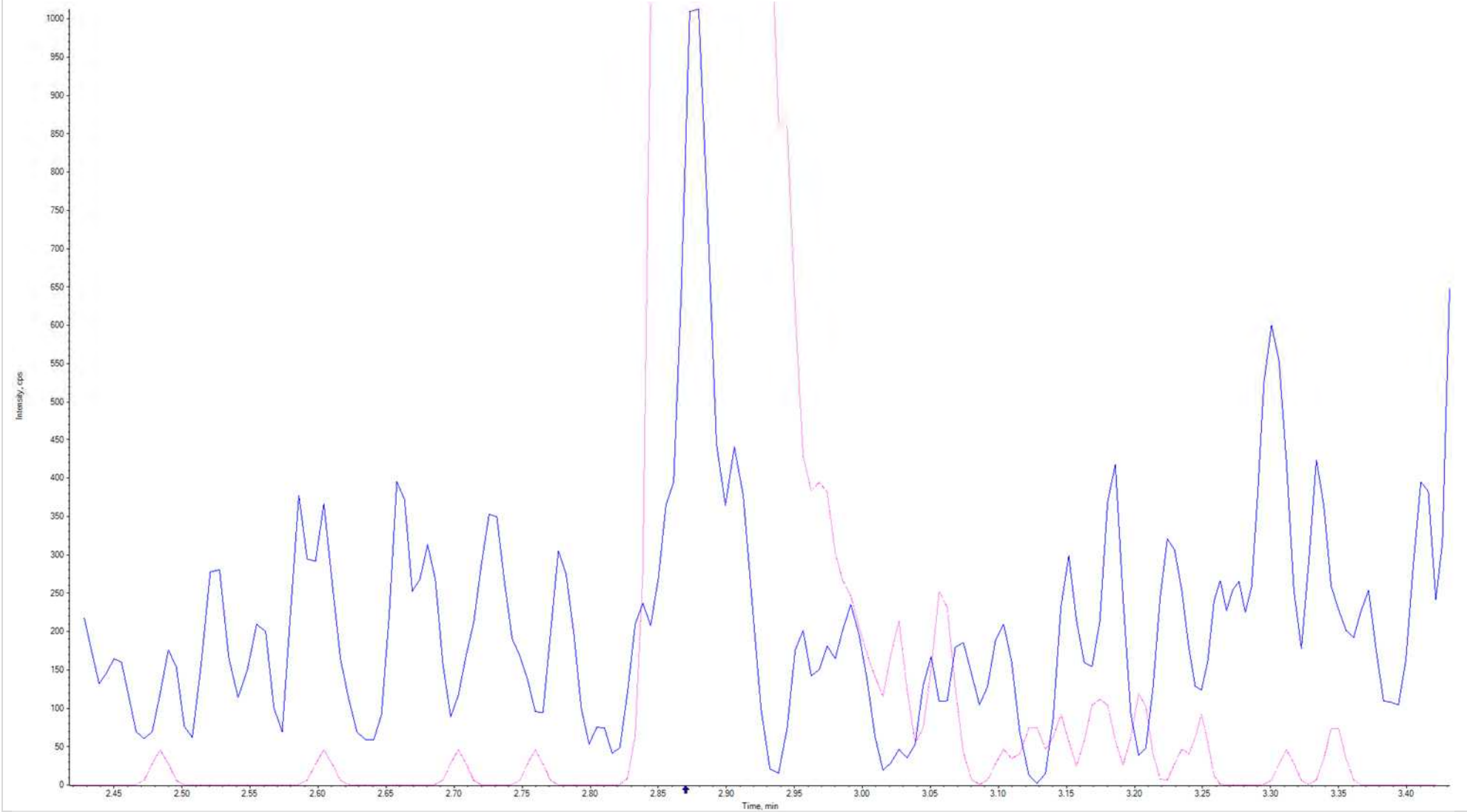

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PFOA_2
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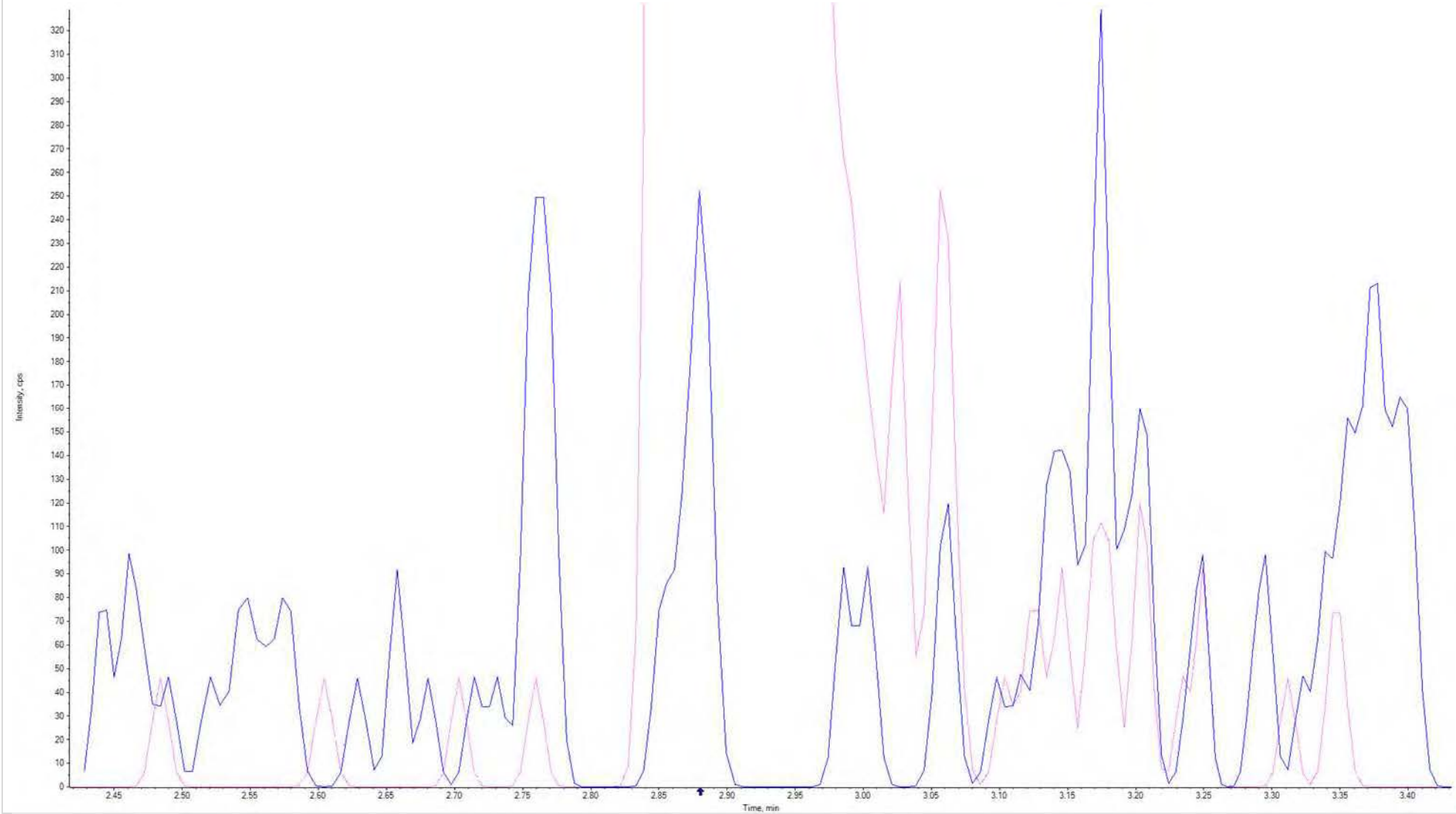

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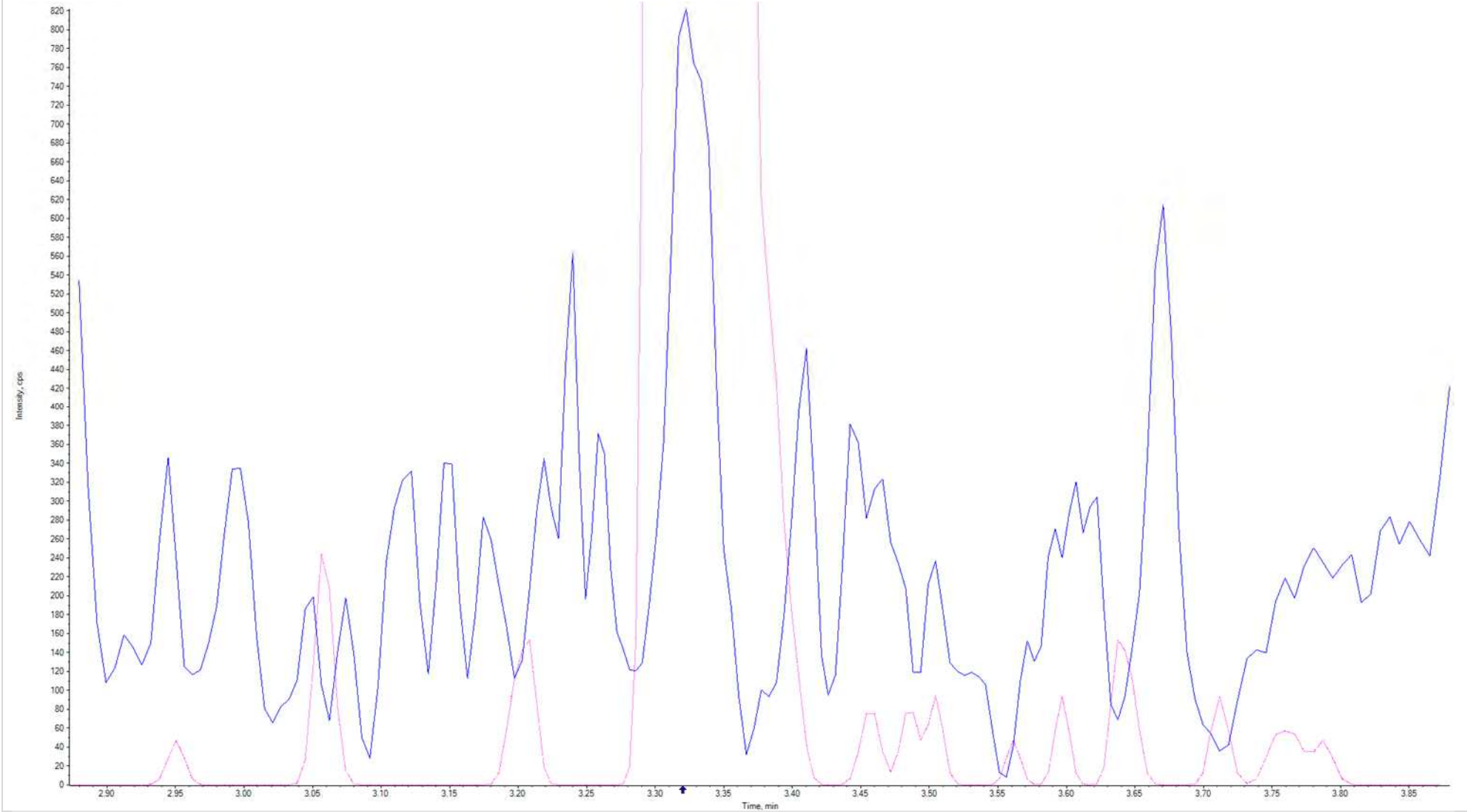
PFNA
Sample: WG1996415-2,INSTBLNK S/N:N/A Points Across peak:N/A



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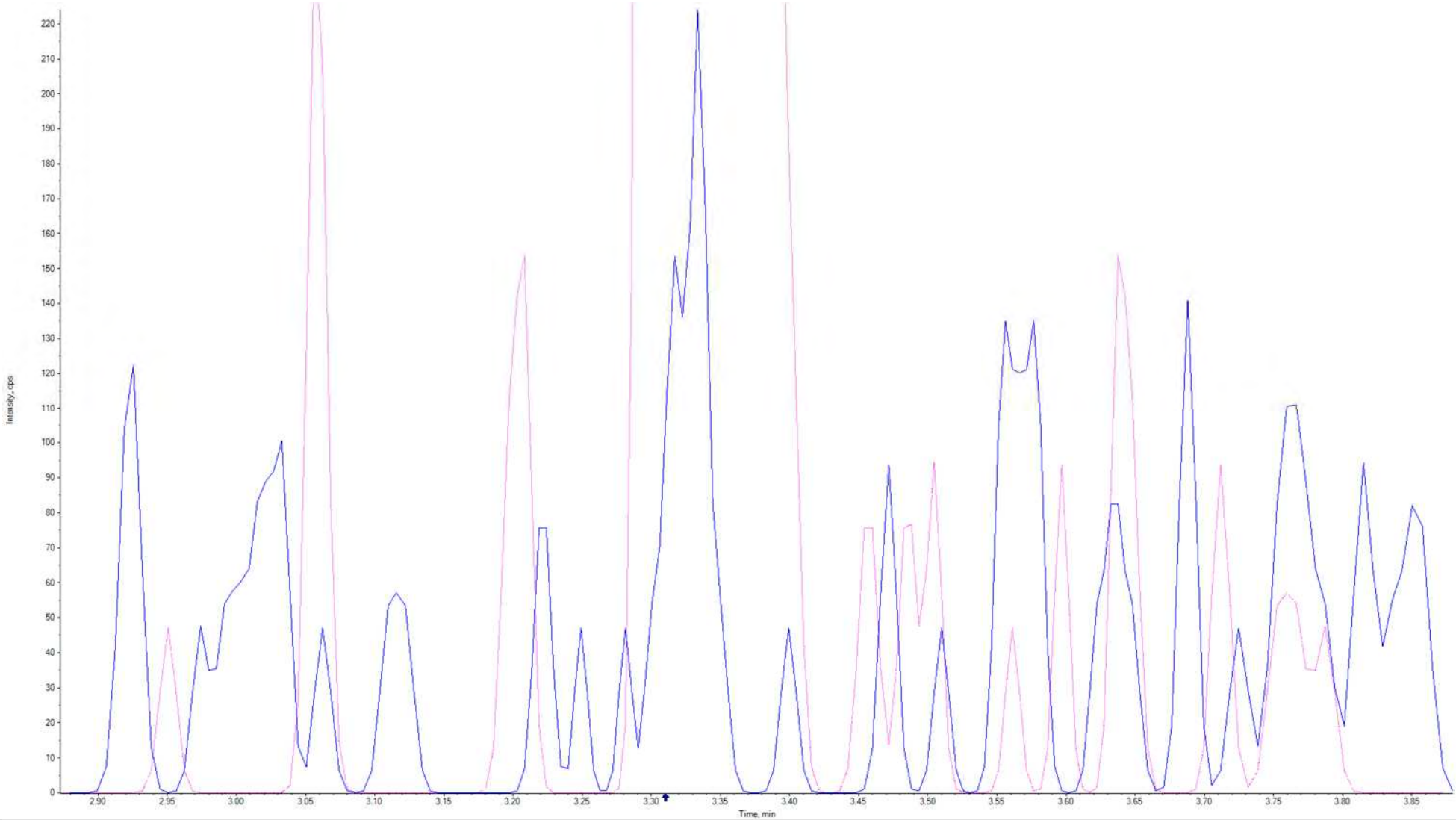
PFNA_2
Sample: WG1996415-2,INSTBLNK S/N:N/A Points Across peak:N/A



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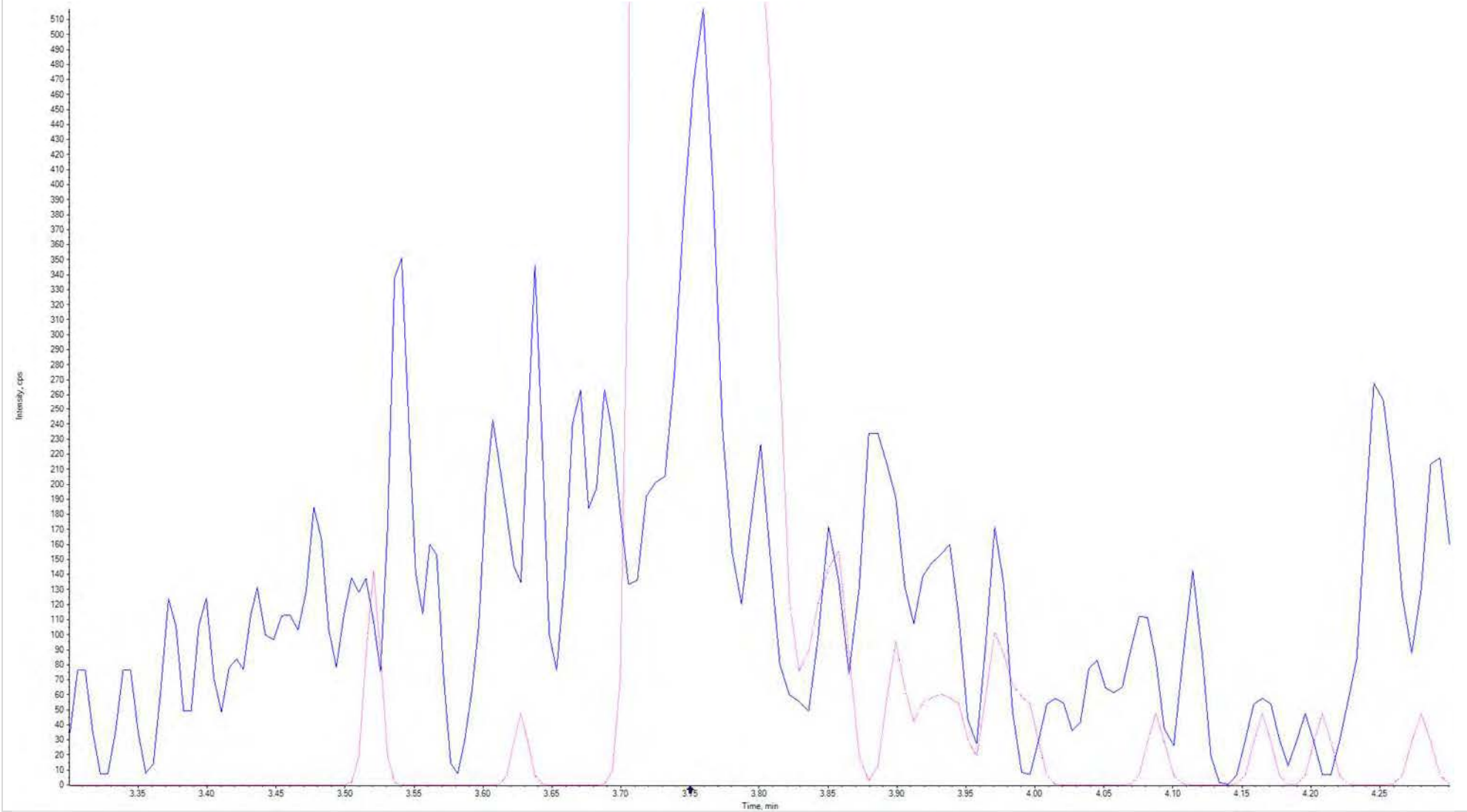
PFDA
Sample: WG1996415-2,INSTBLNK S/N:N/A Points Across peak:N/A



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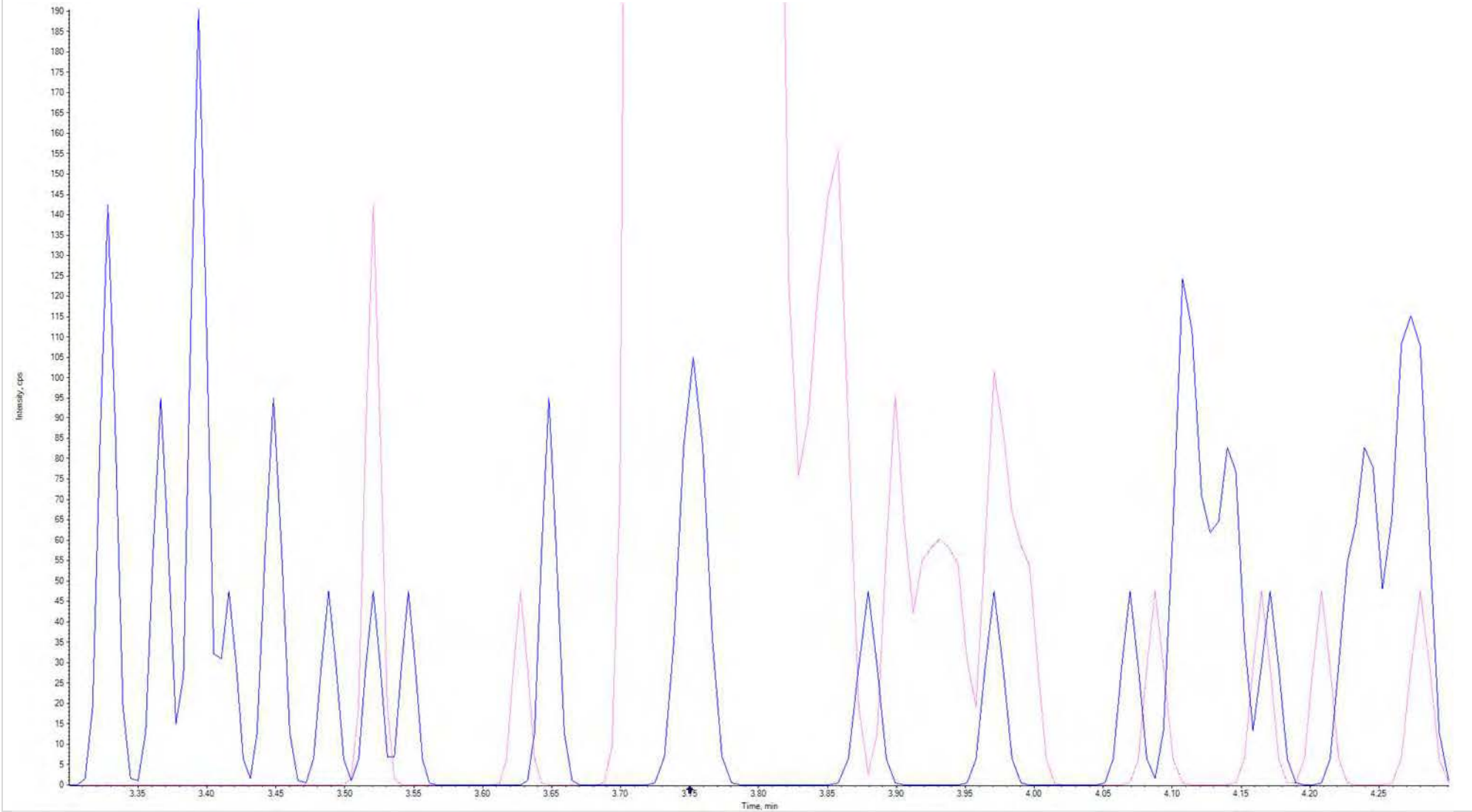
PFDA_2
Sample: WG1996415-2,INSTBLNK S/N:N/A Points Across peak:N/A



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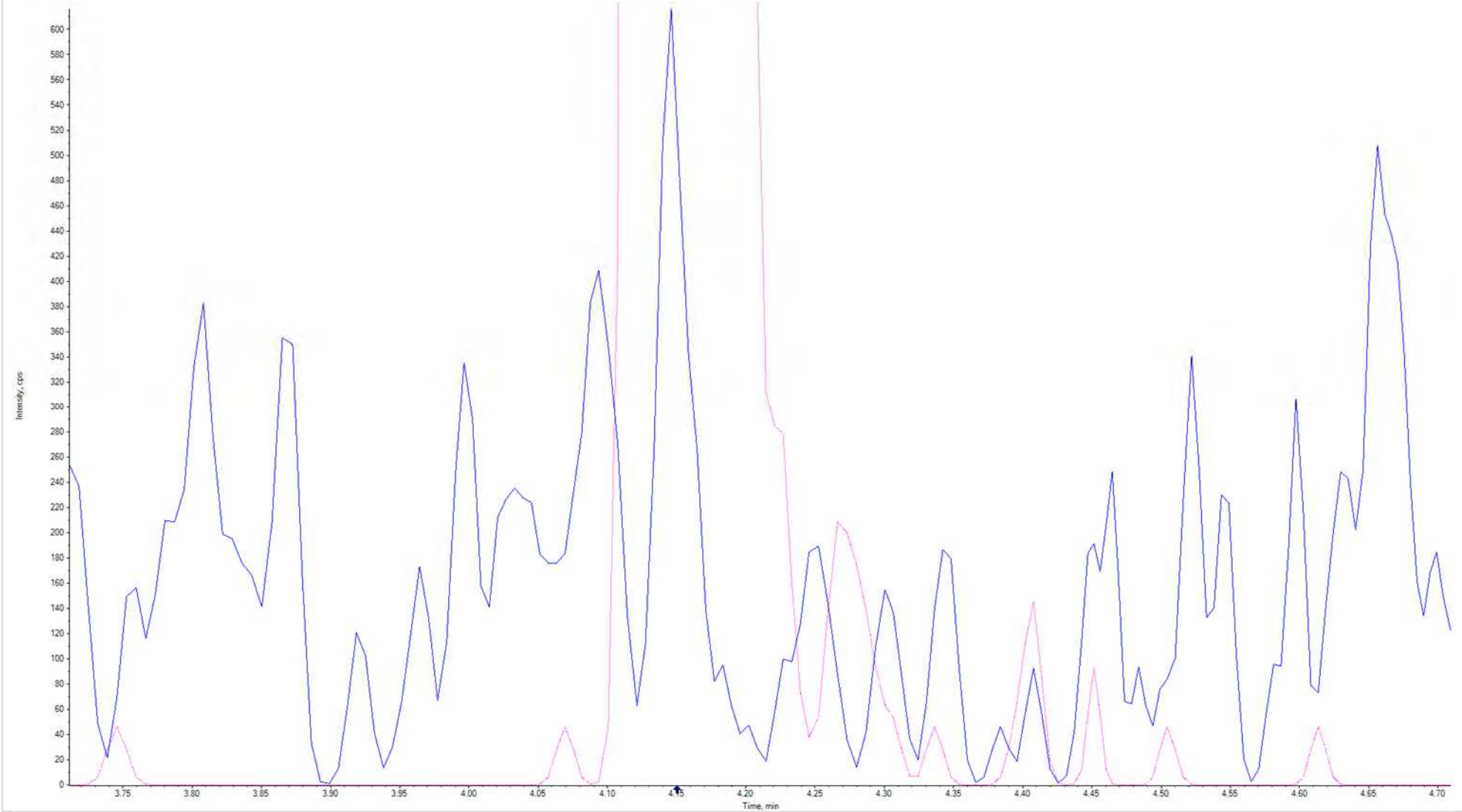
PFUnA
Sample: WG1996415-2,INSTBLNK S/N:N/A Points Across peak:N/A



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PFUnA_2
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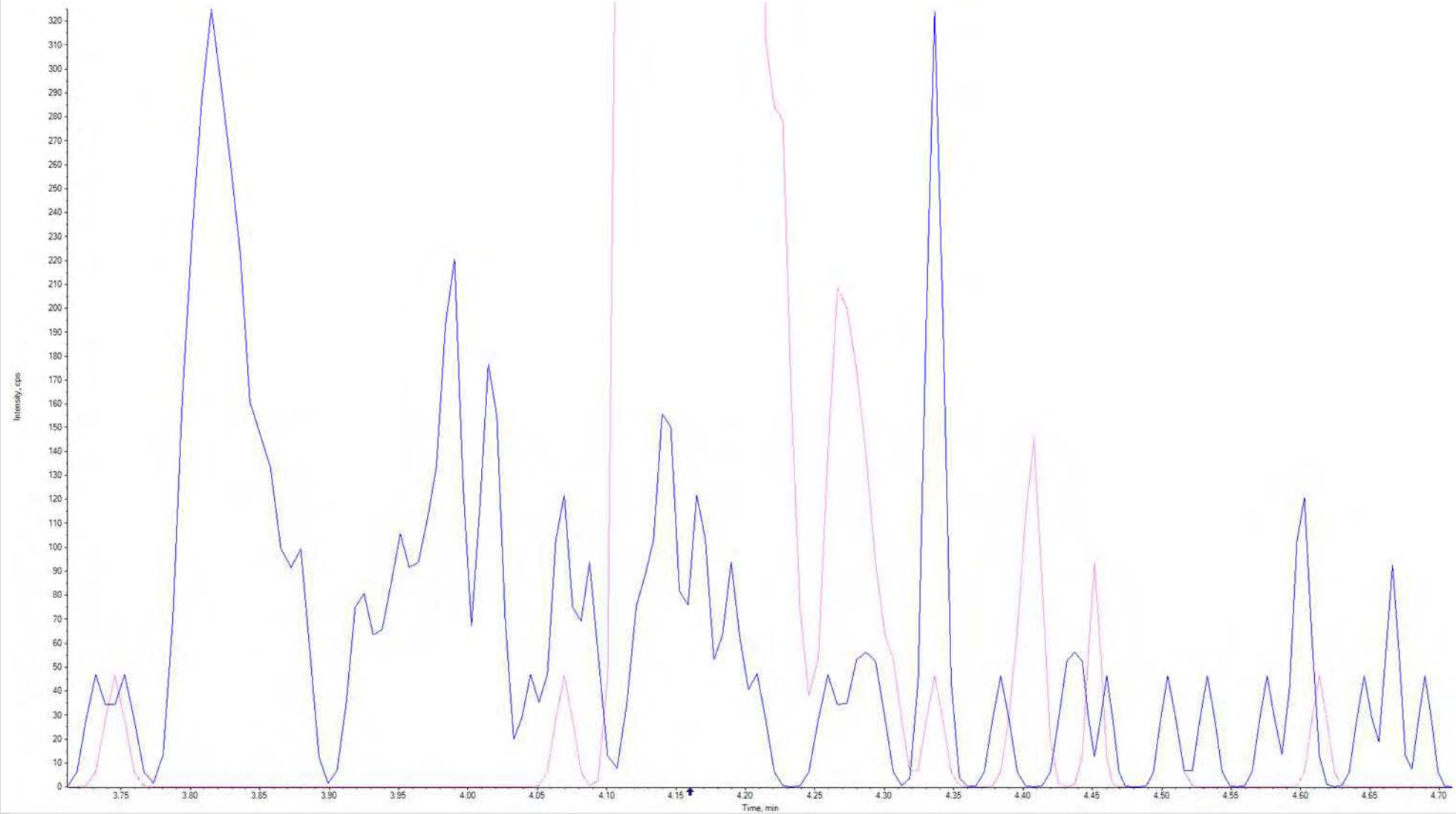

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PFDoA
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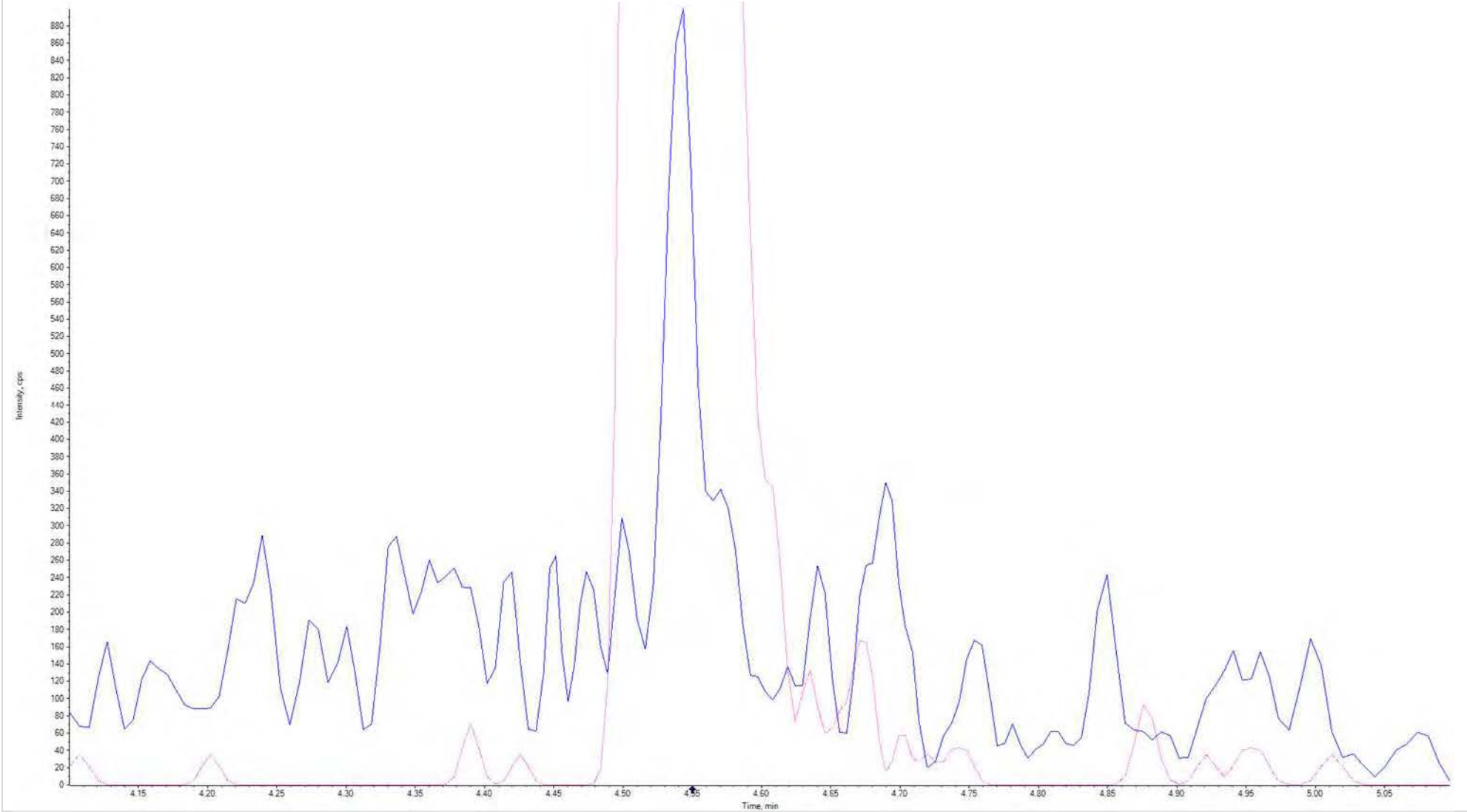

PFDoA_2
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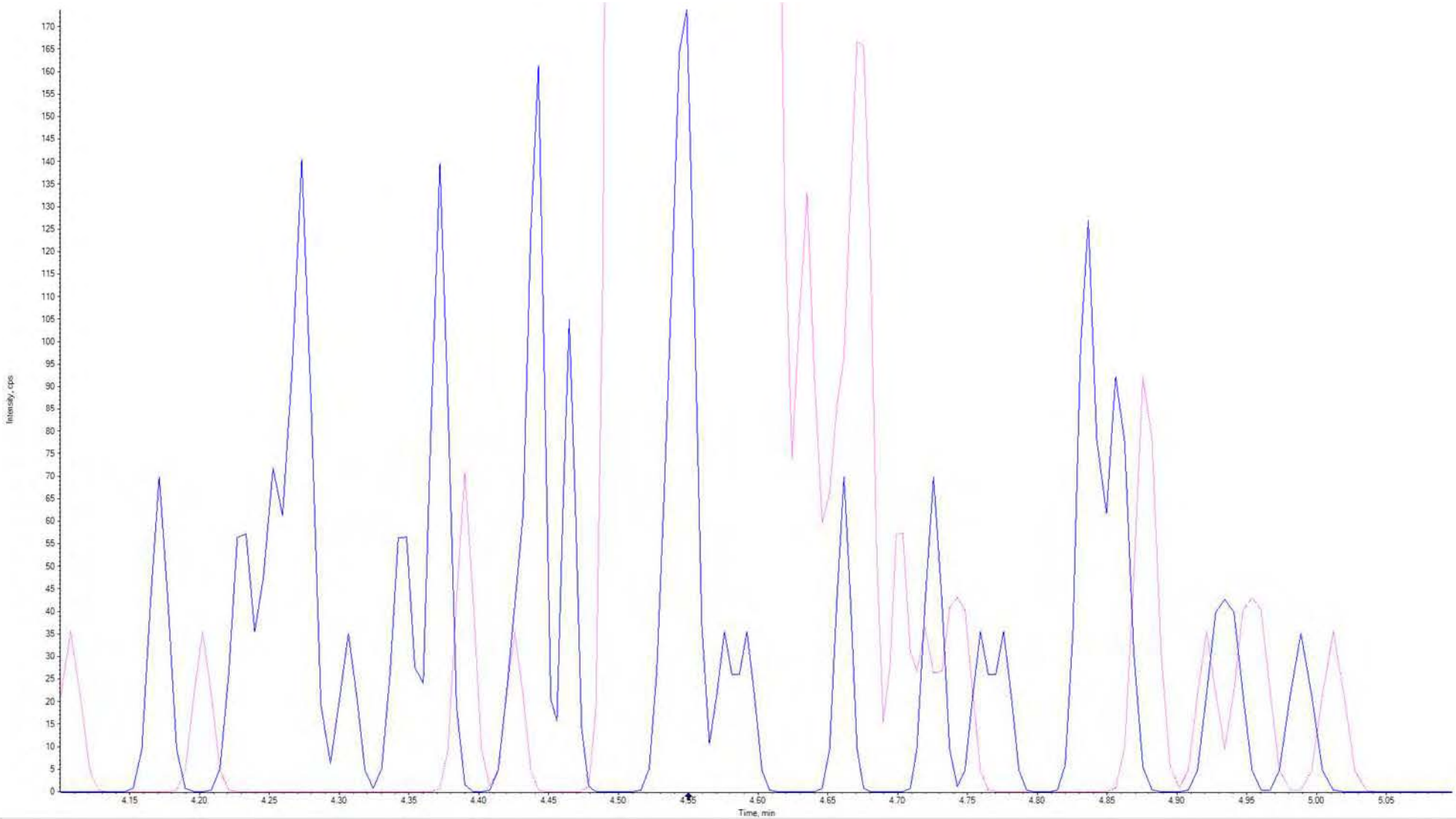

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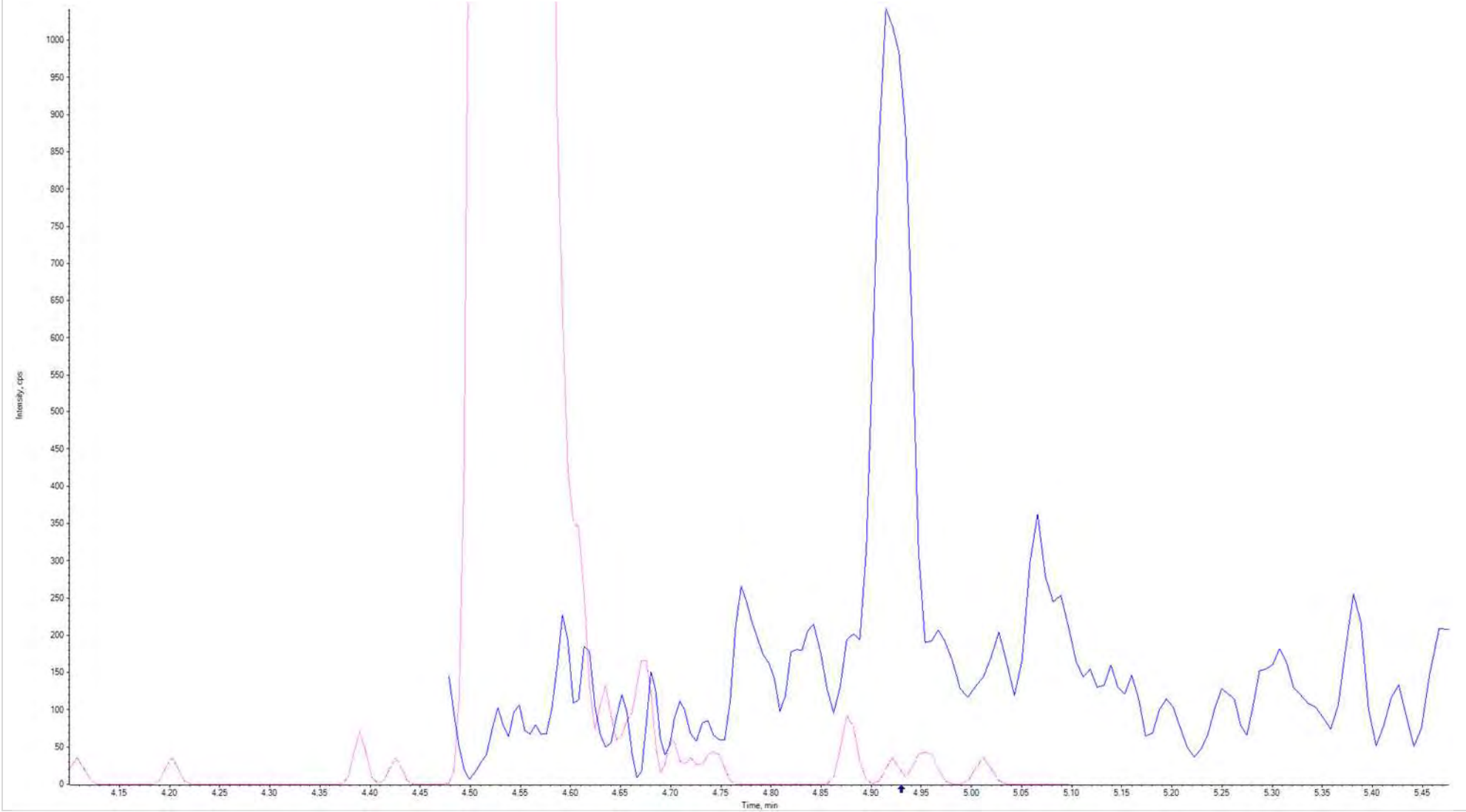
PFTrDA
Sample: WG1996415-2,INSTBLNK S/N:N/A Points Across peak:N/A



PFTrDA_2
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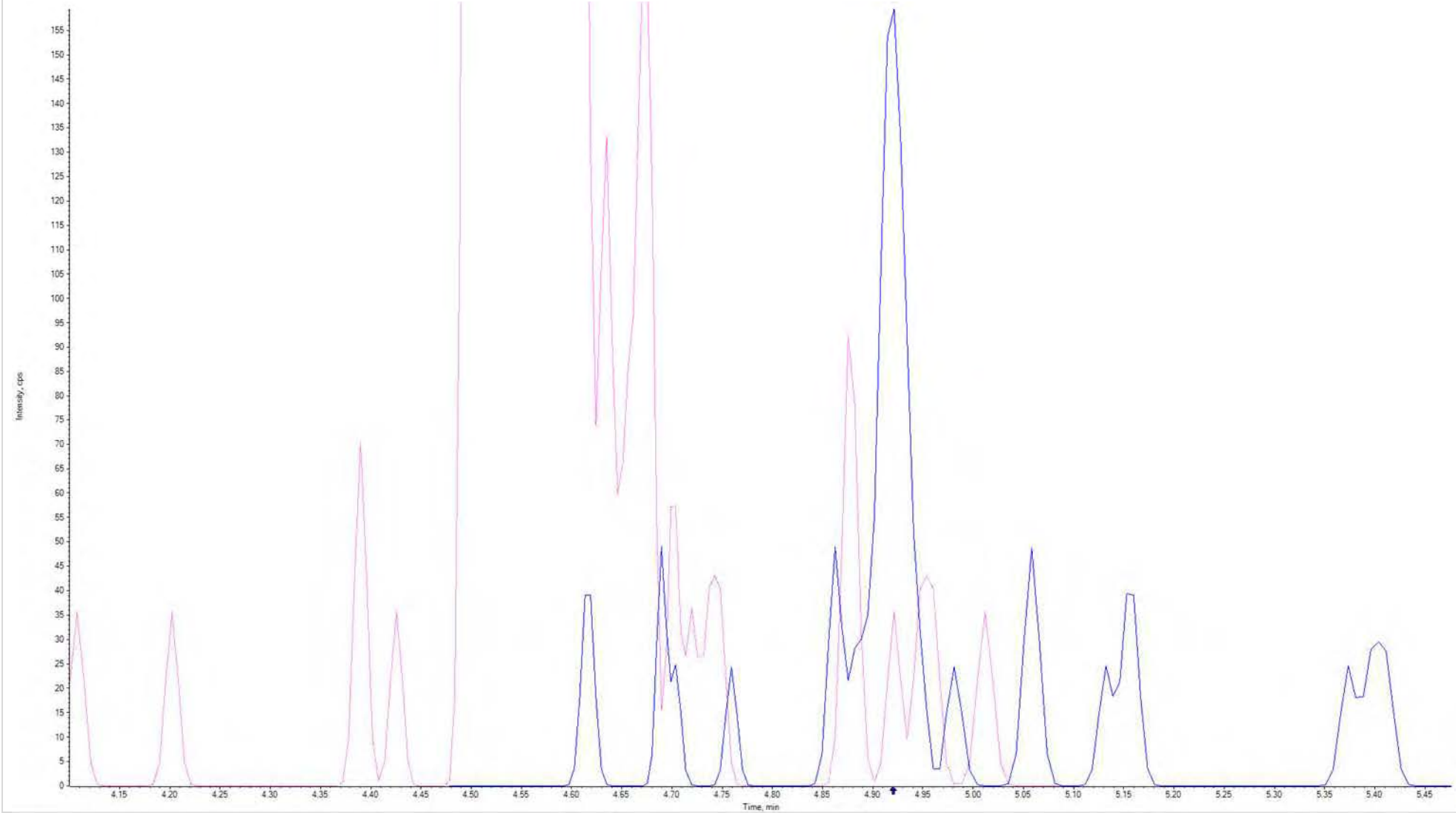

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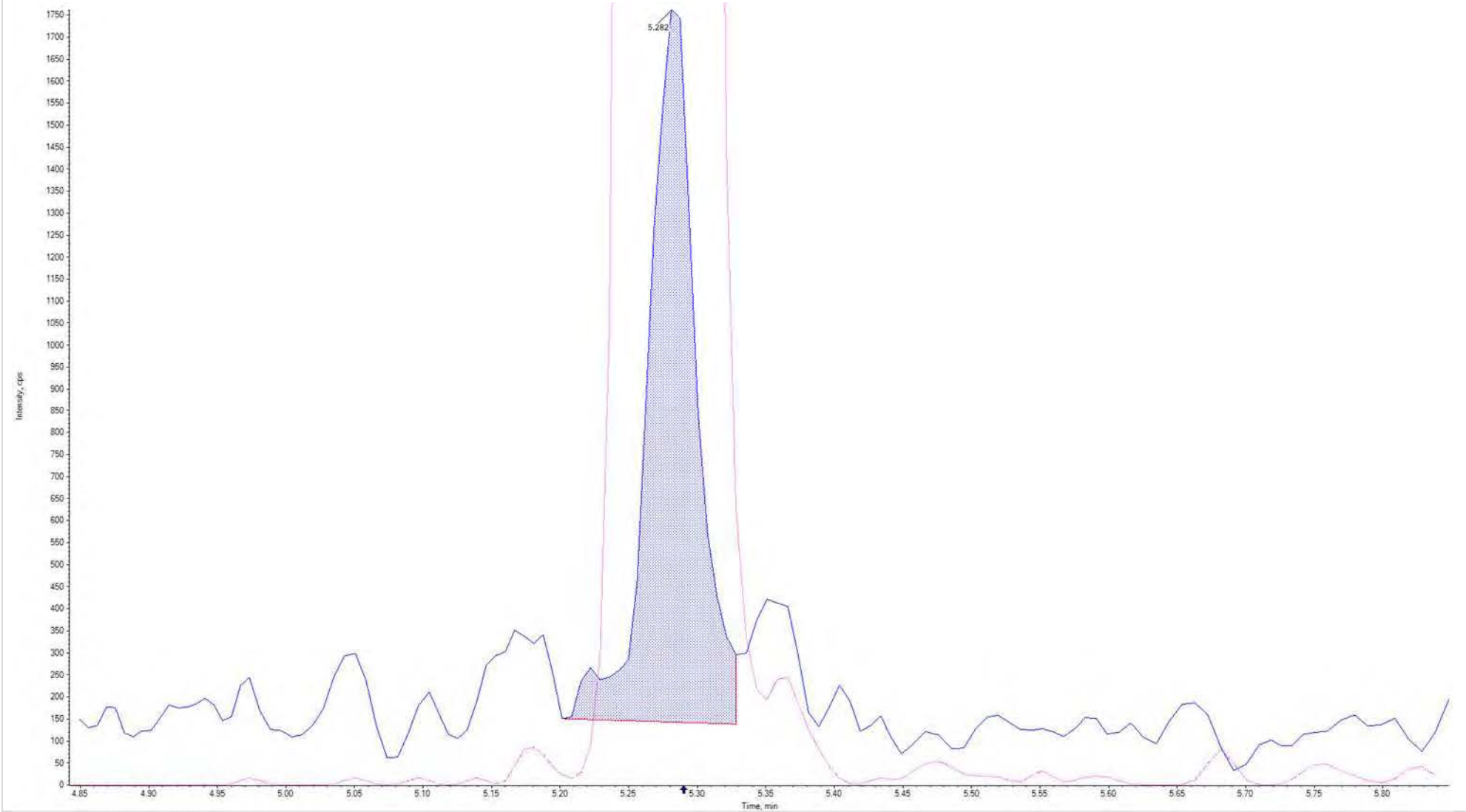
PFTeDA
Sample: WG1996415-2,INSTBLNK S/N:86.1 Points Across peak:20



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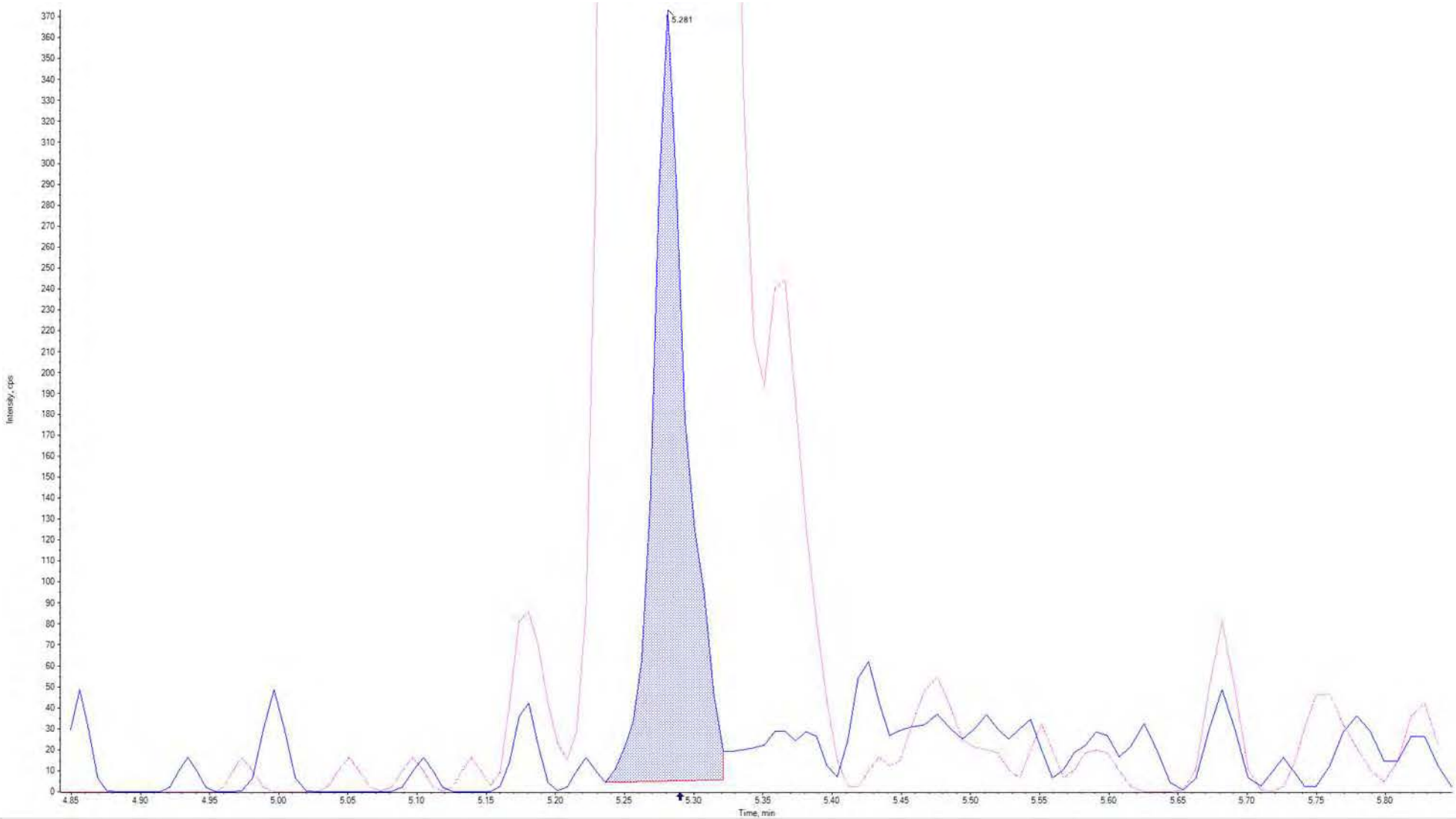
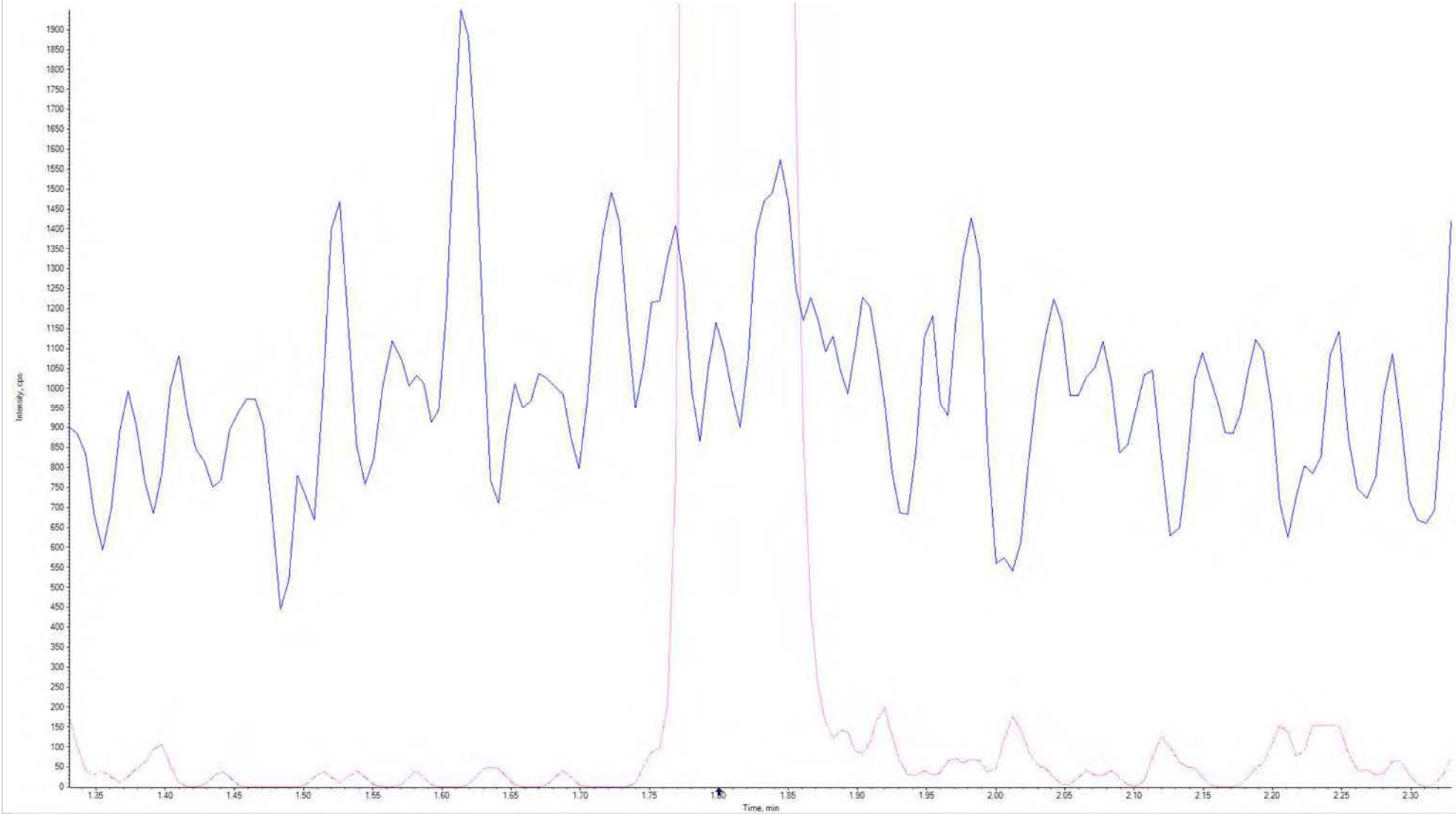
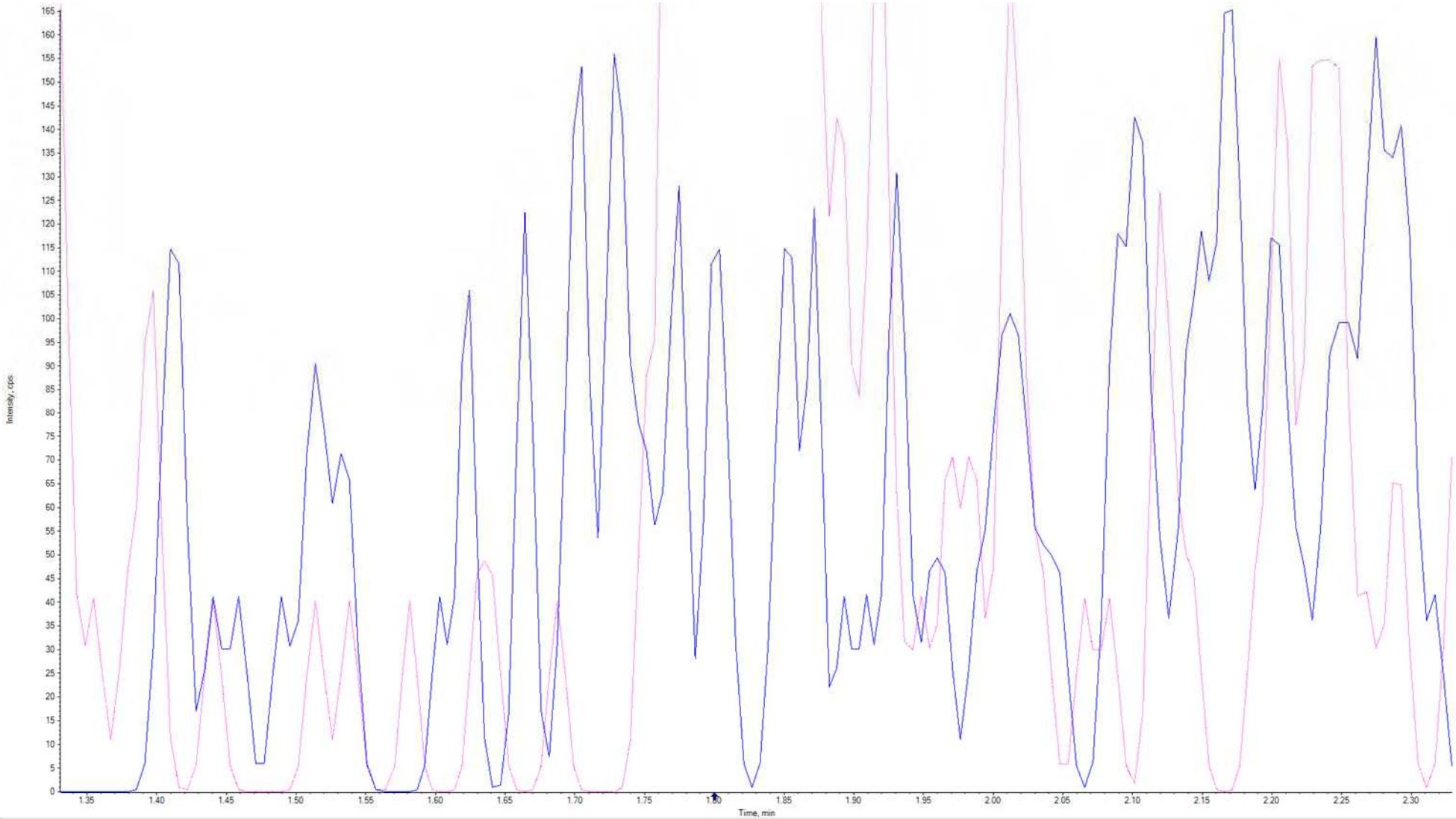
PFTeDA_2
Sample: WG1996415-2,INSTBLNK S/N:23.1 Points Across peak:14



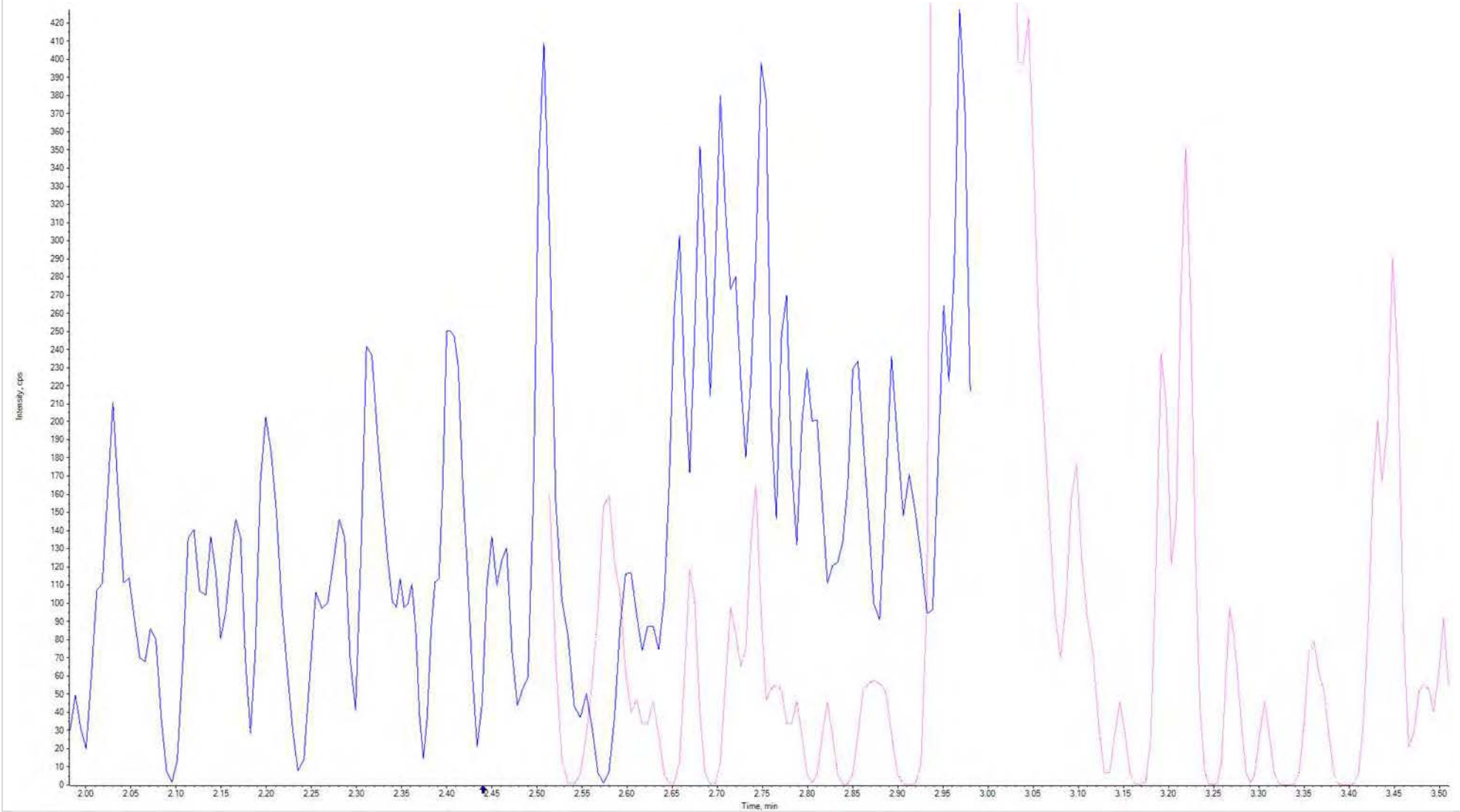
PFBS
Sample: WG1996415-2,INSTBLNK S/N:N/A Points Across peak:N/A



PFBS_2
Sample: WG1996415-2,INSTBLNK S/N:N/A Points Across peak:N/A



PFPeS
Sample: WG1996415-2,INSTBLNK S/N:N/A Points Across peak:N/A



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PFPeS_2
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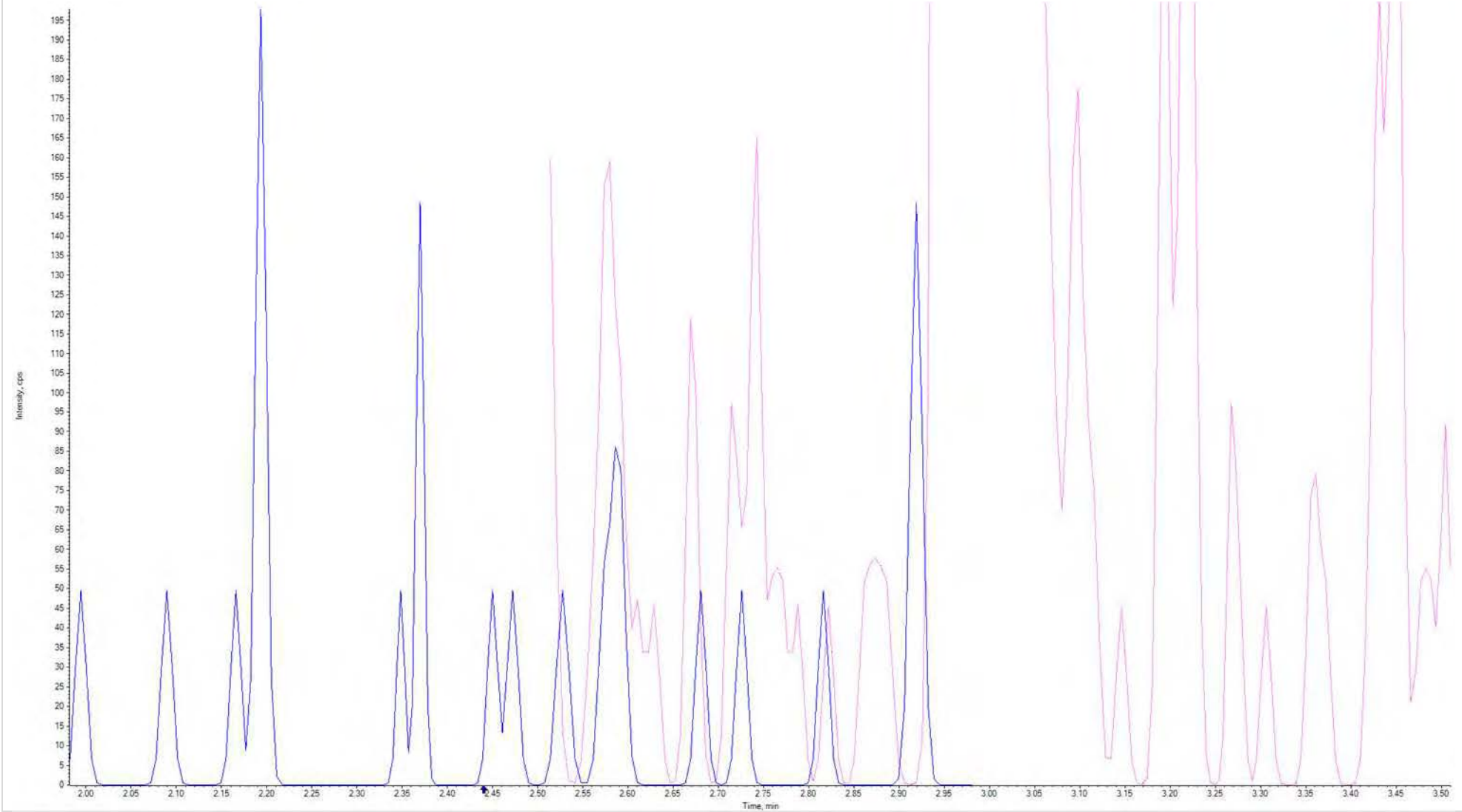
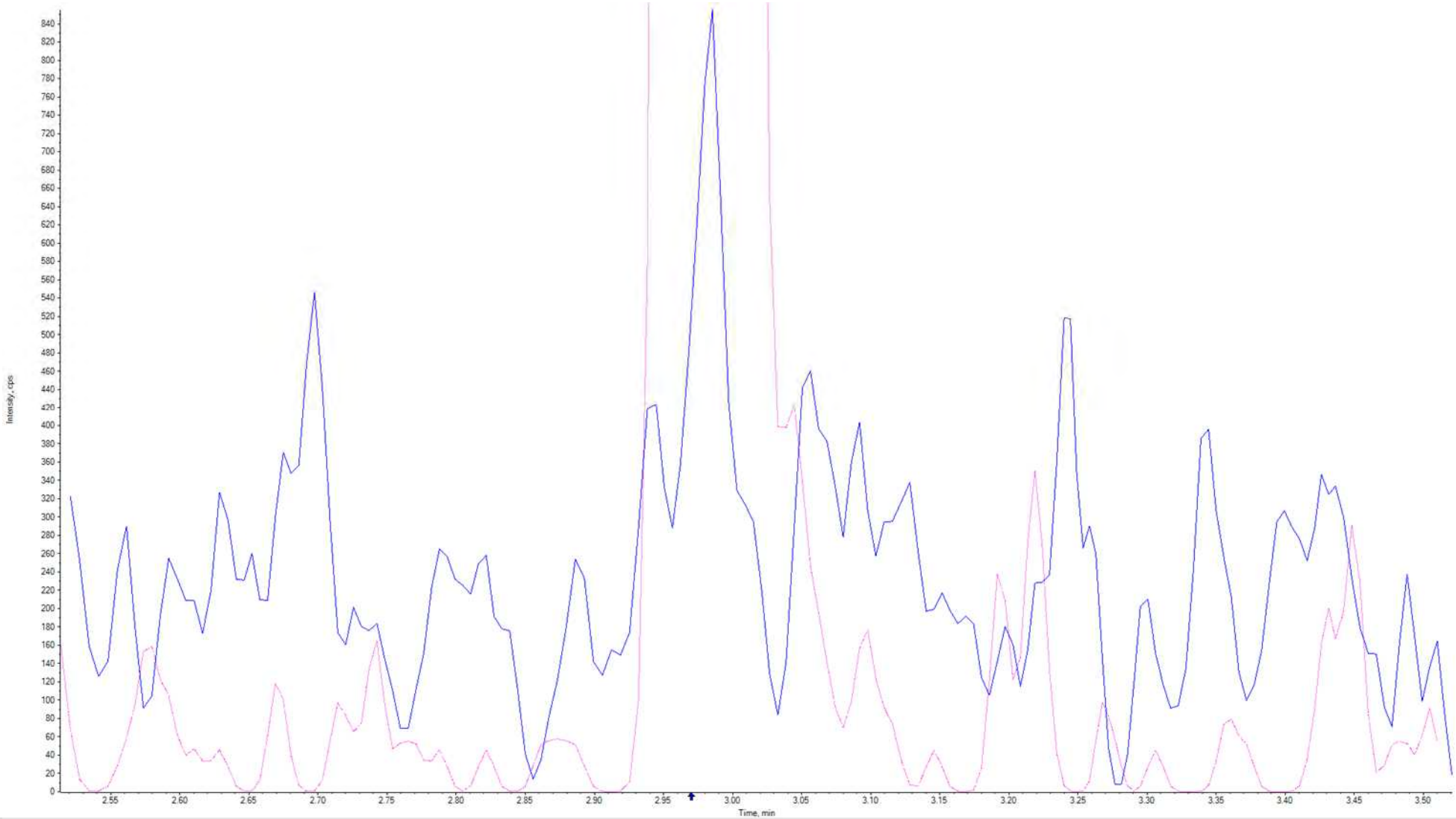


PFHxS
Sample: WG1996415-2,INSTBLNK S/N:N/A Points Across peak:N/A



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PFHxS_2
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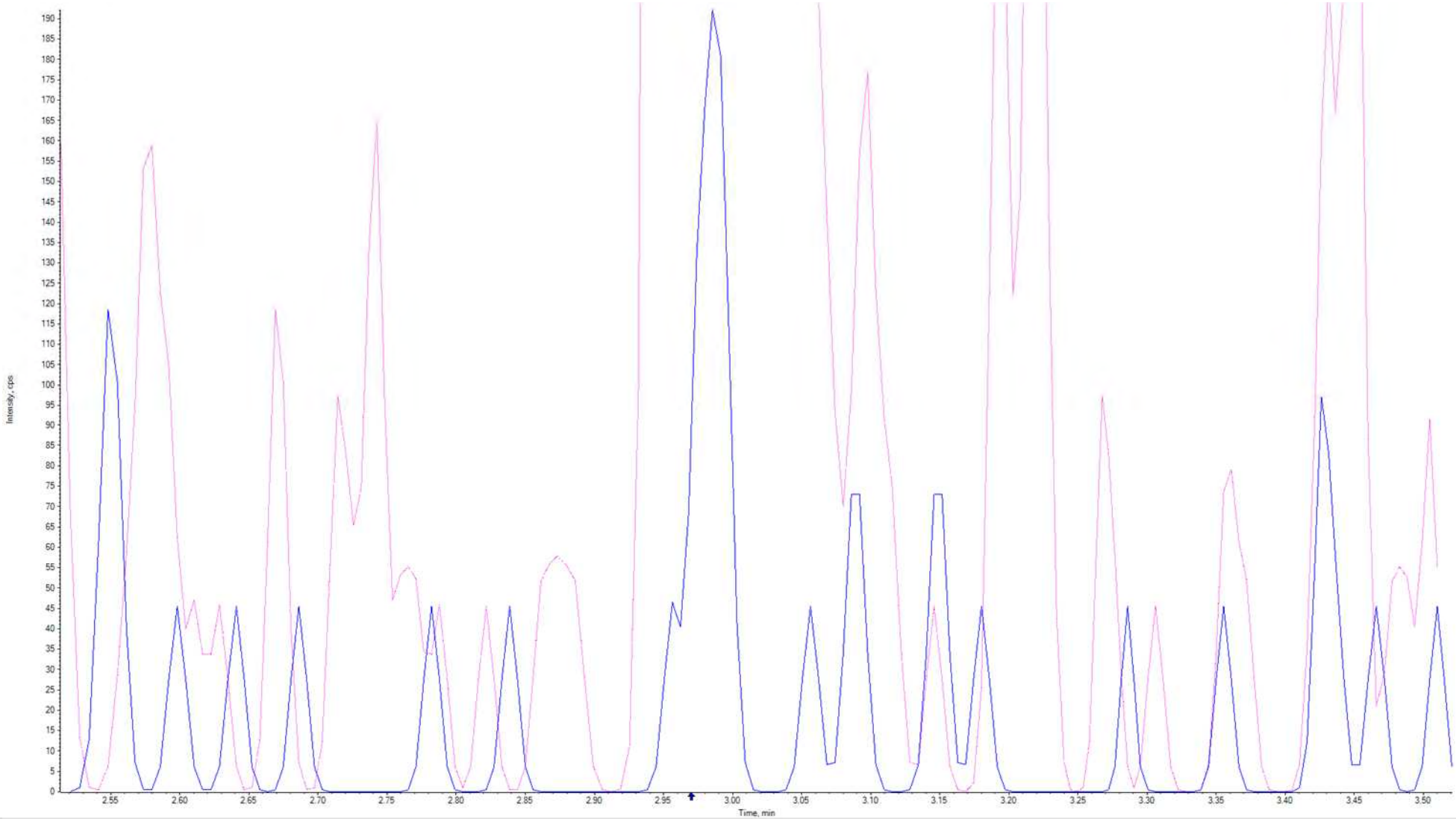

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PFHpS
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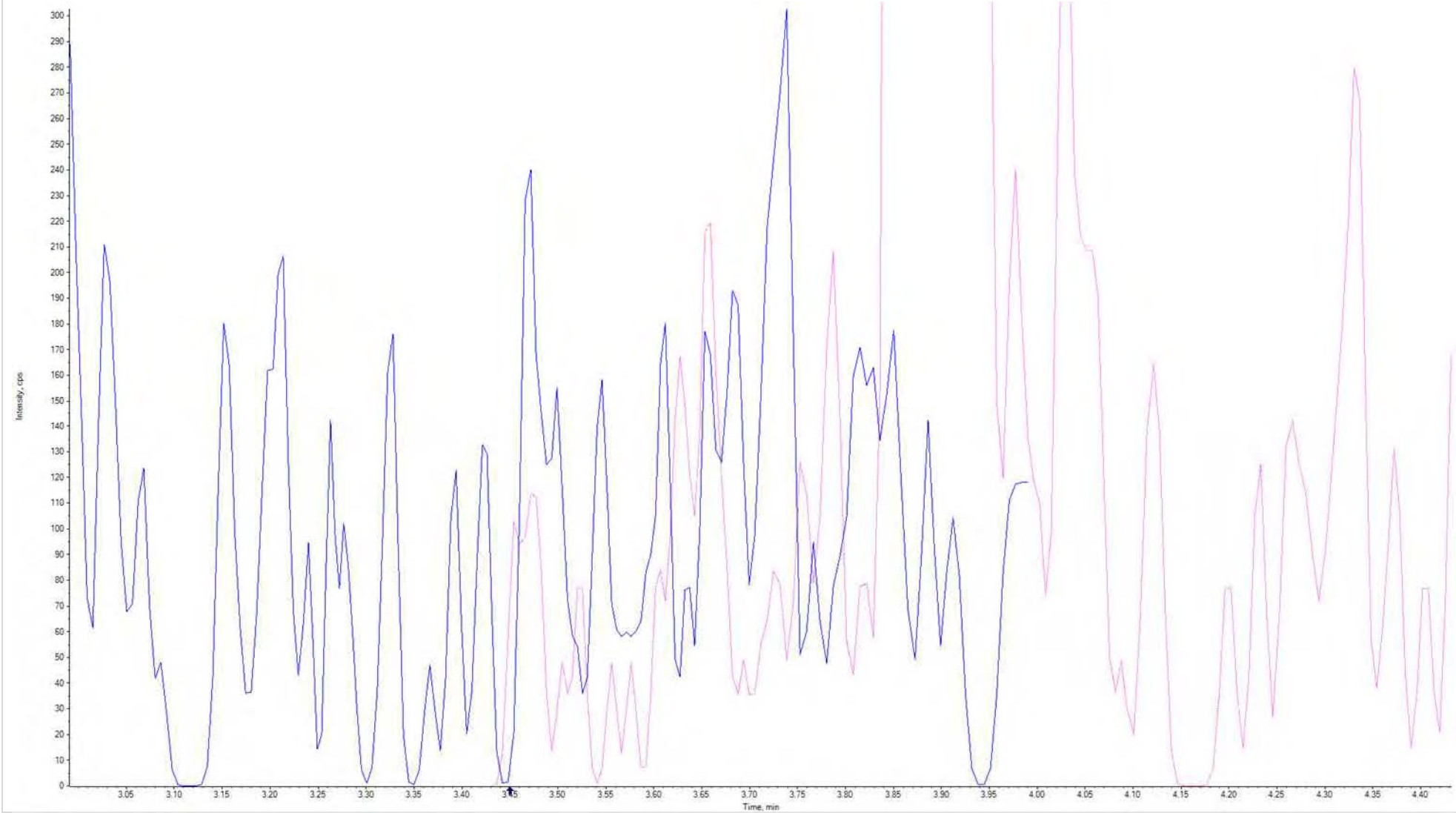

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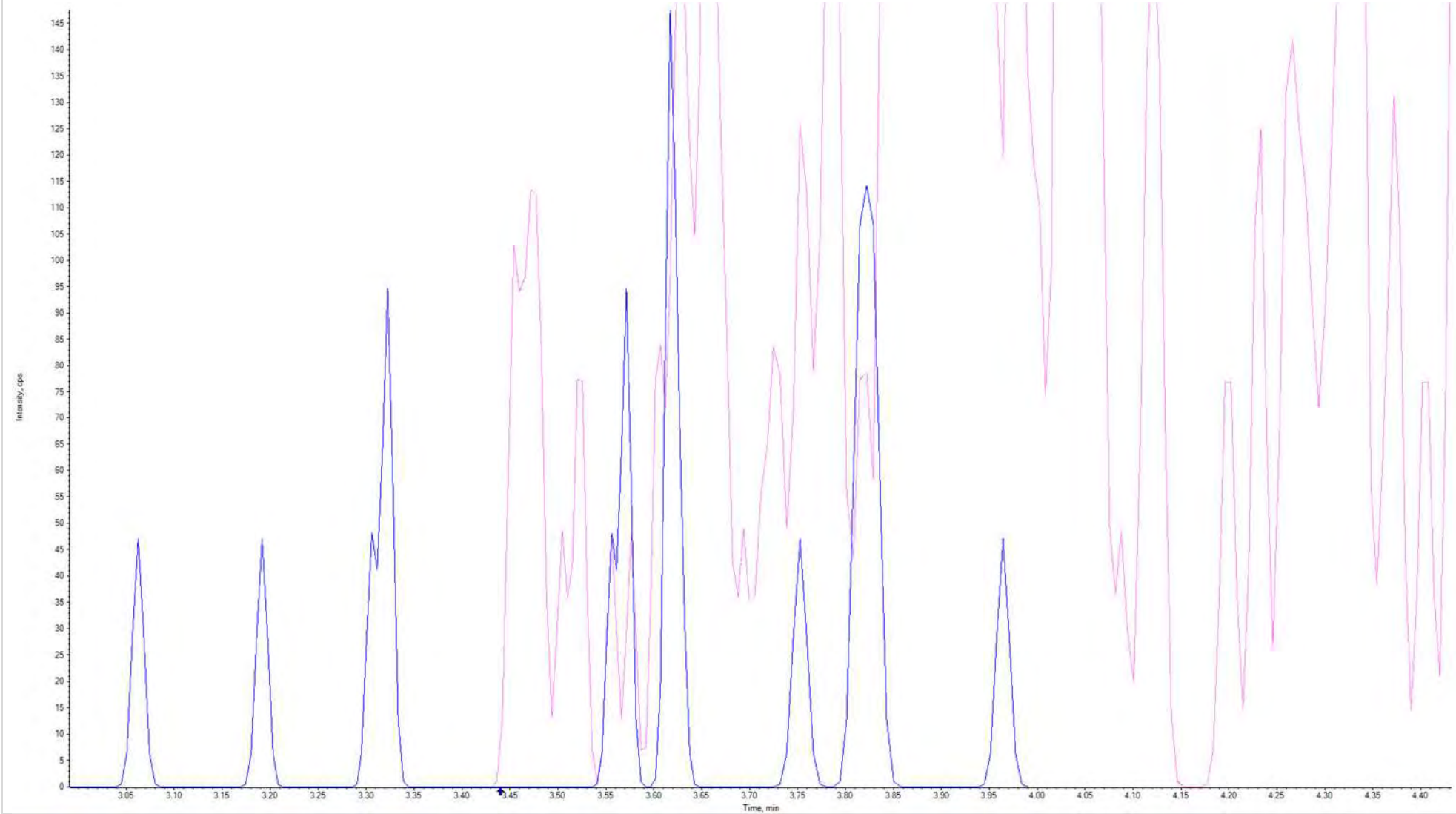

PFOS
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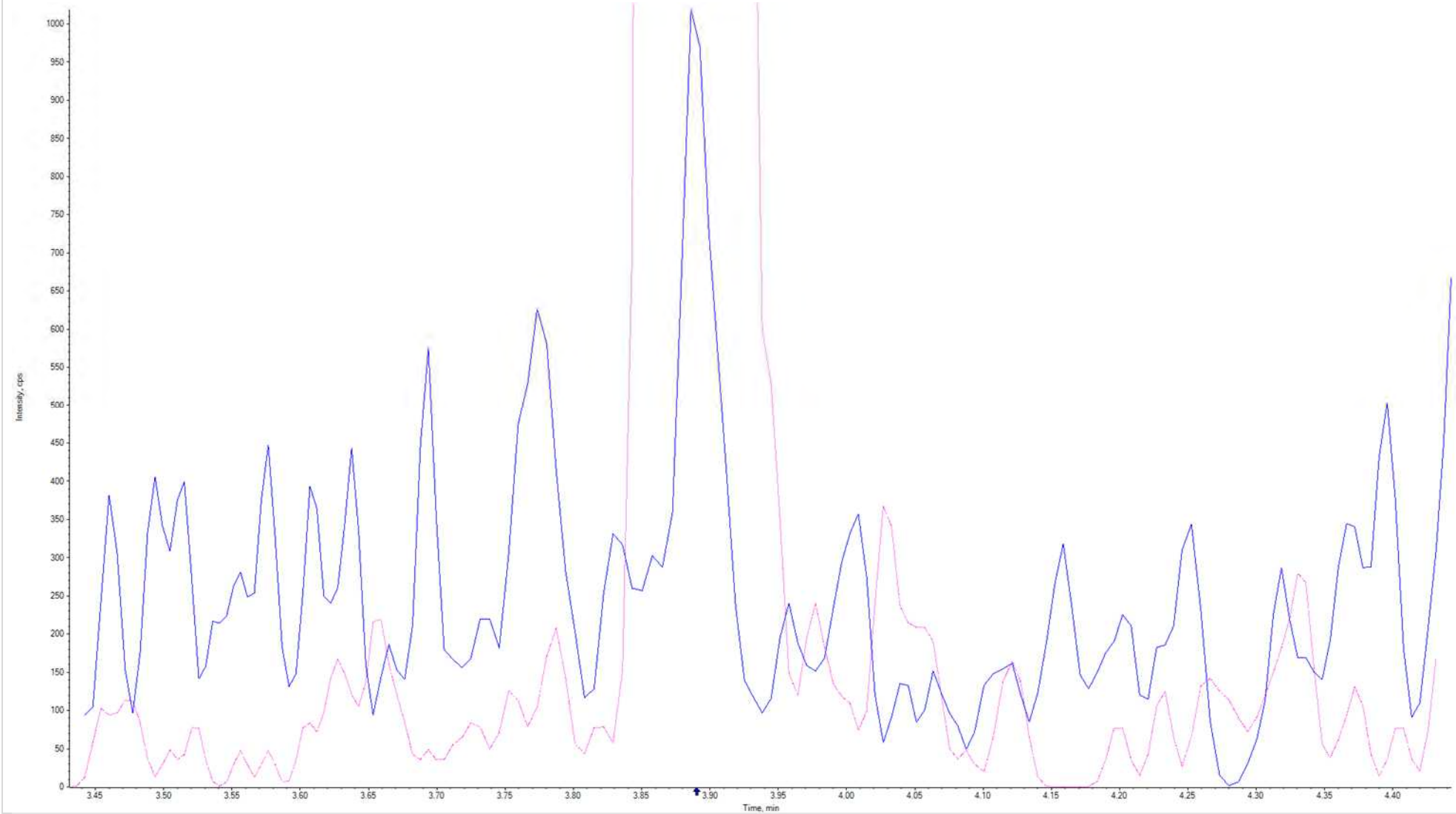

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PFOS_2
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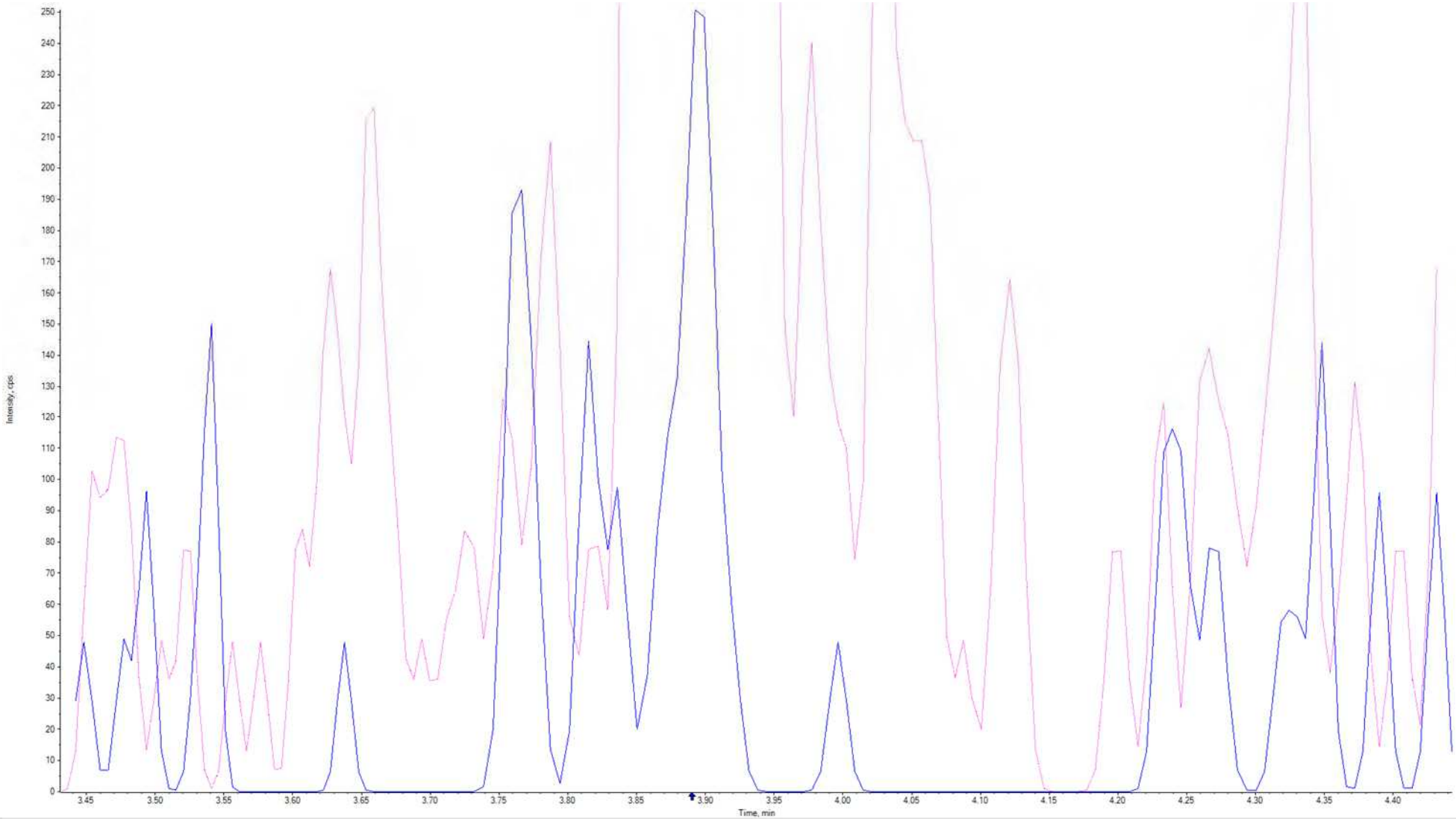

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PFNS
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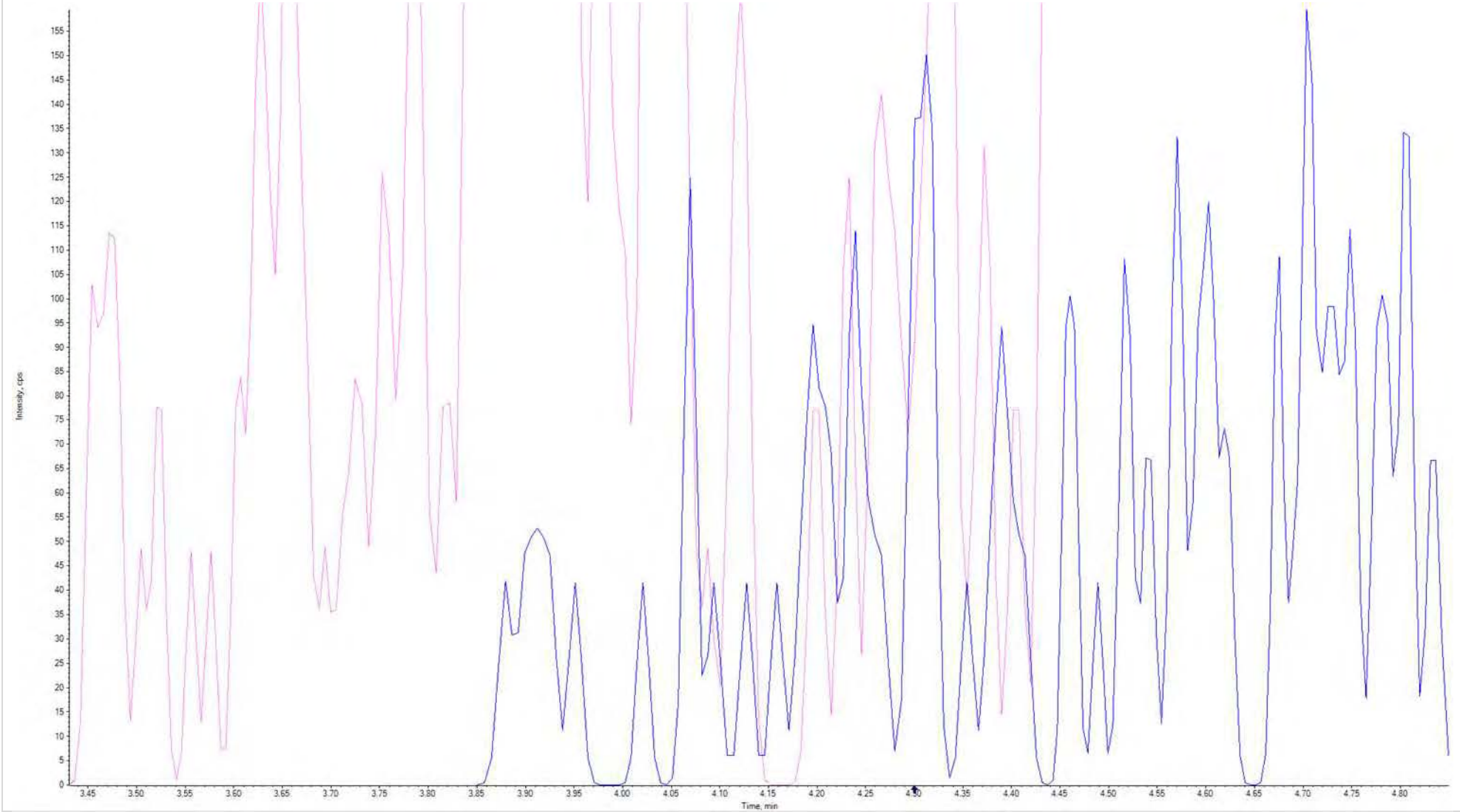

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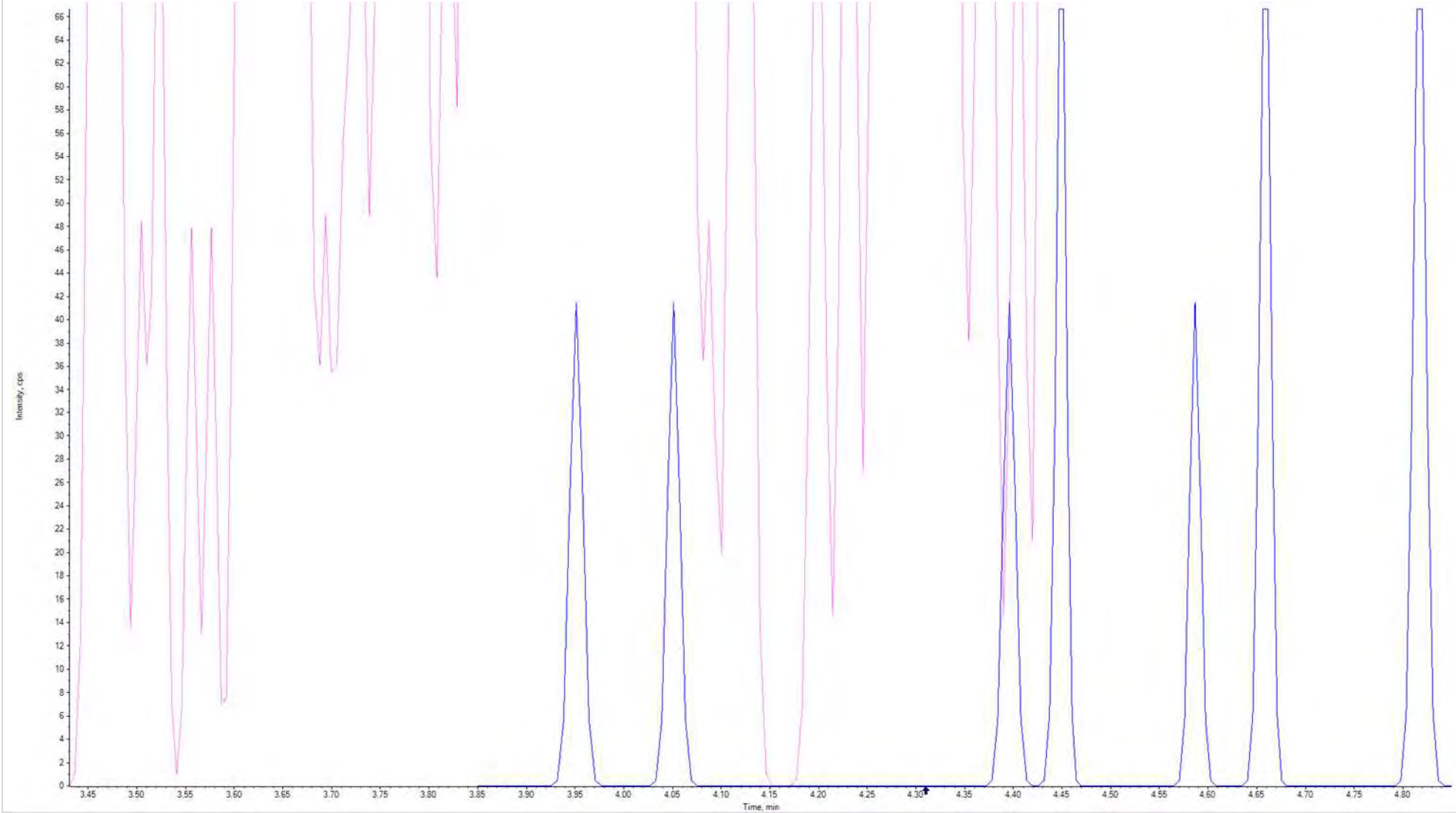

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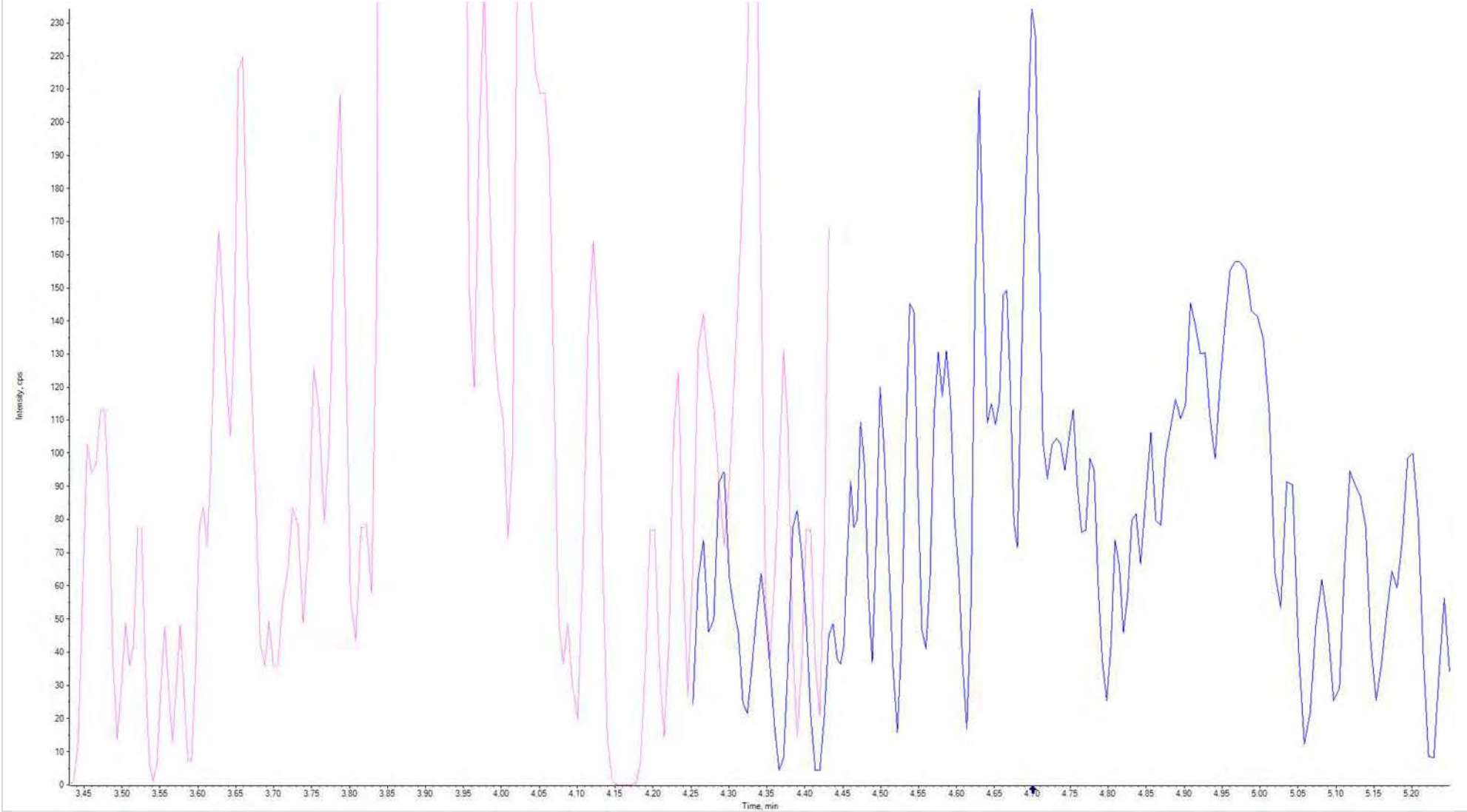

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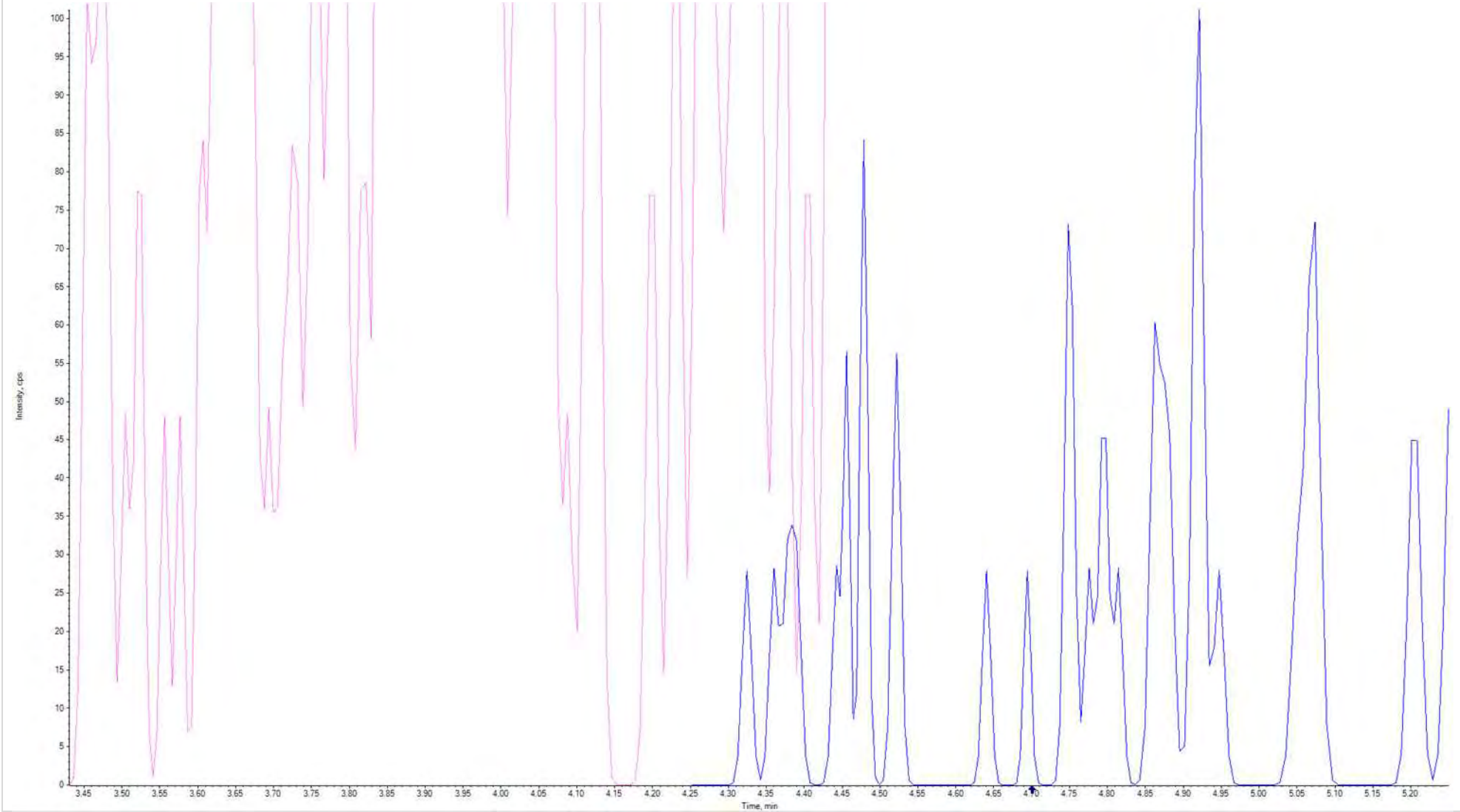

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PFDoS
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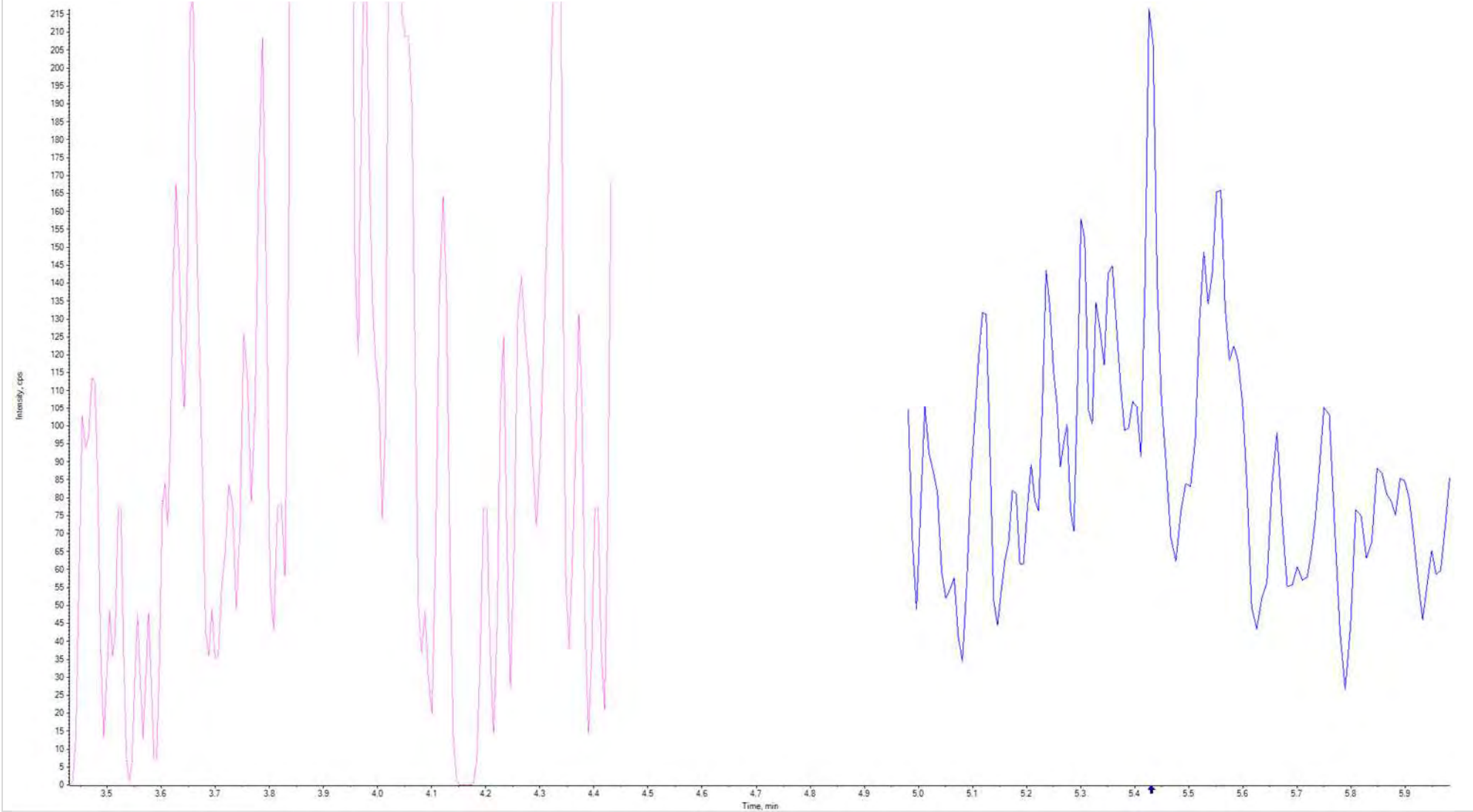

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PFDoS_2
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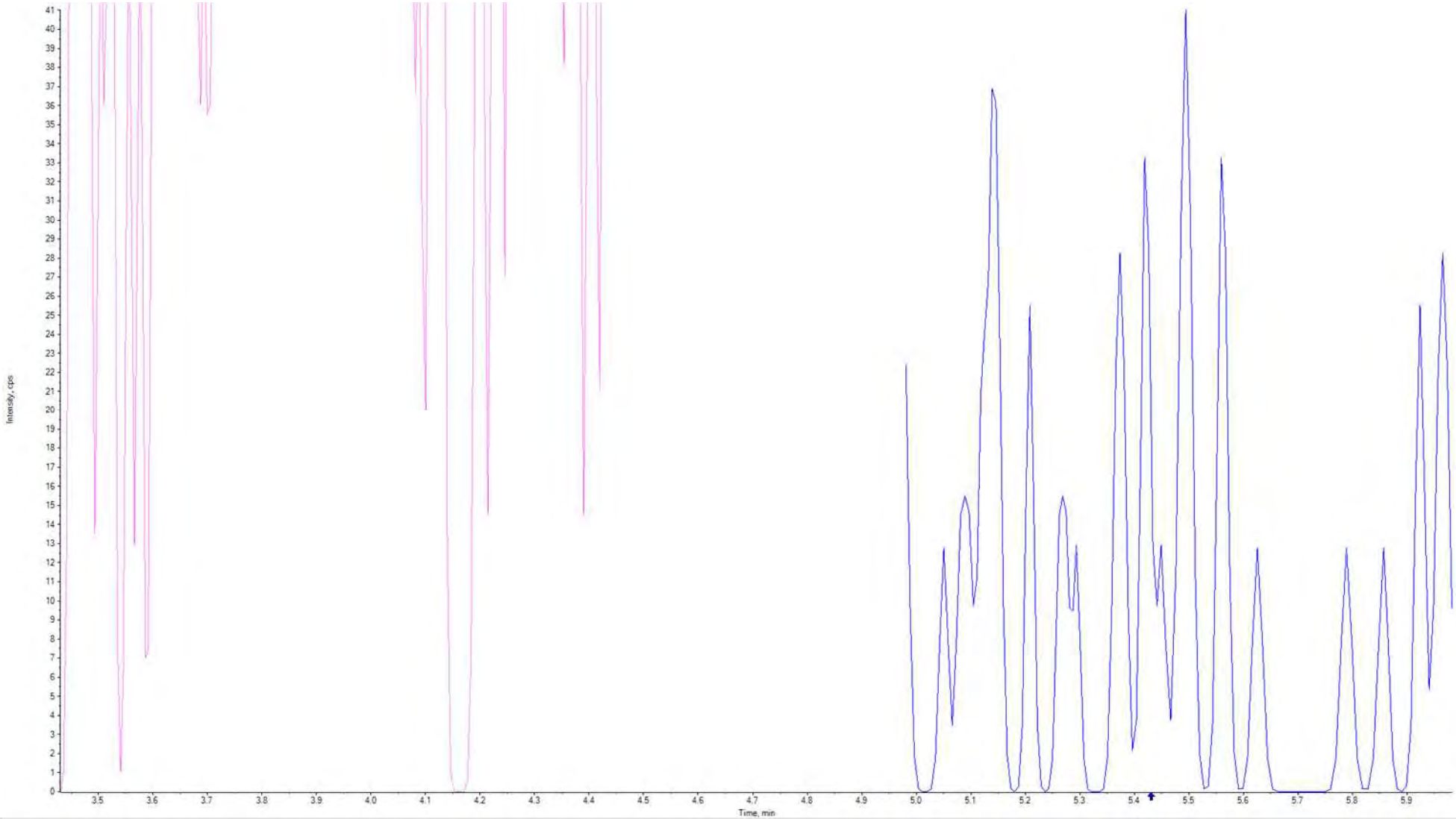

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4:2FTS
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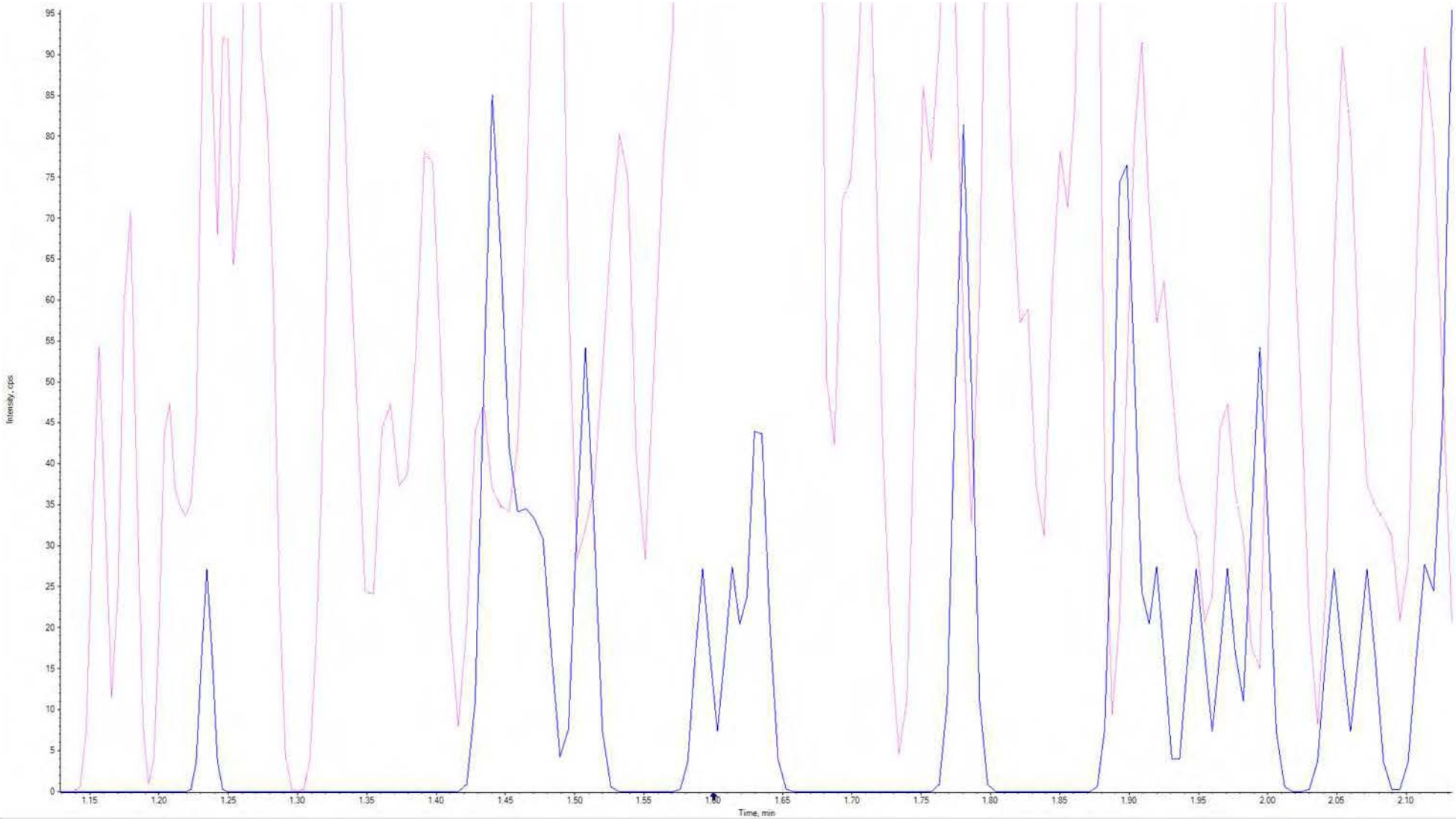

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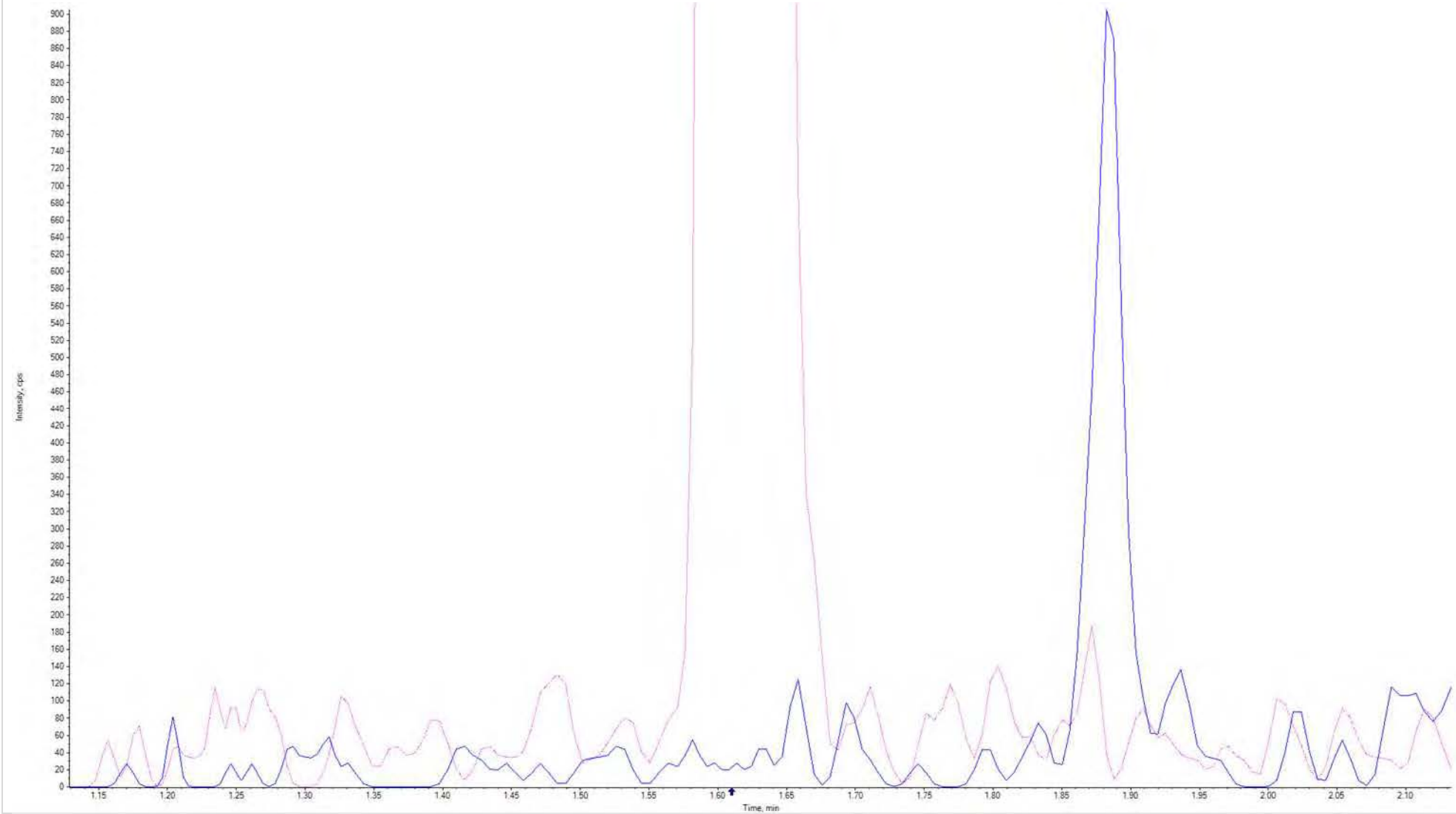

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6:2FTS
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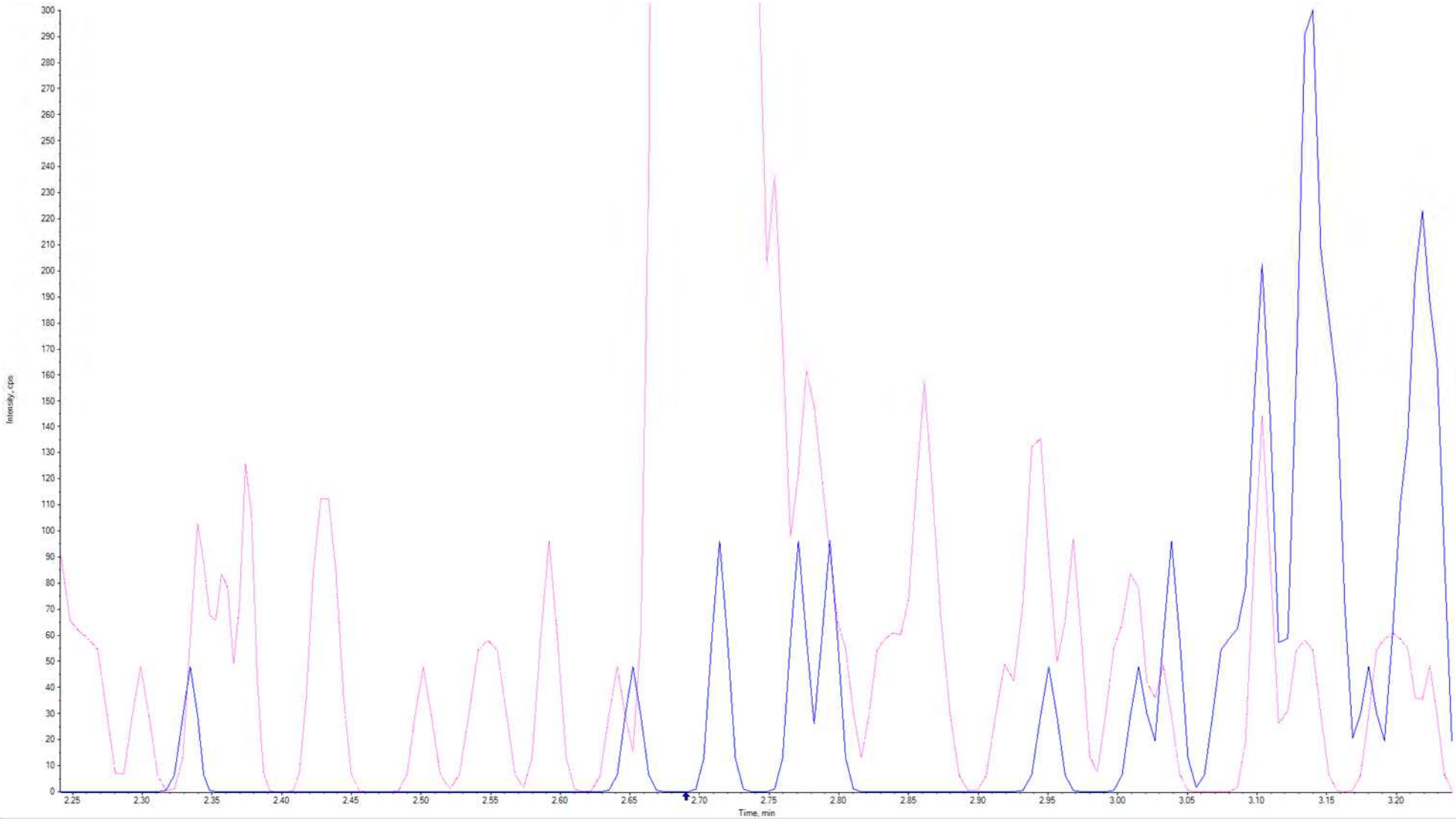

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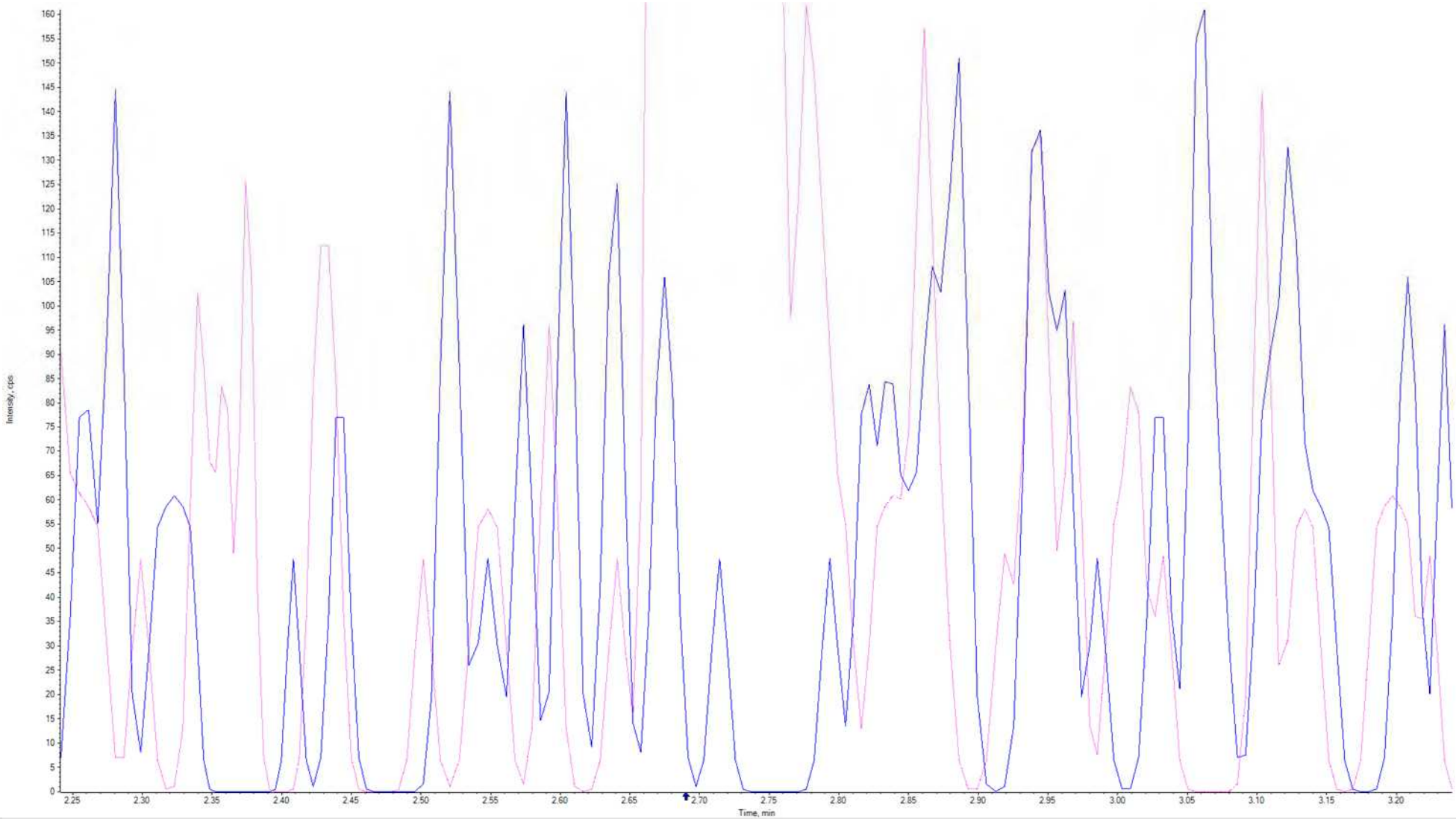

8:2FTS
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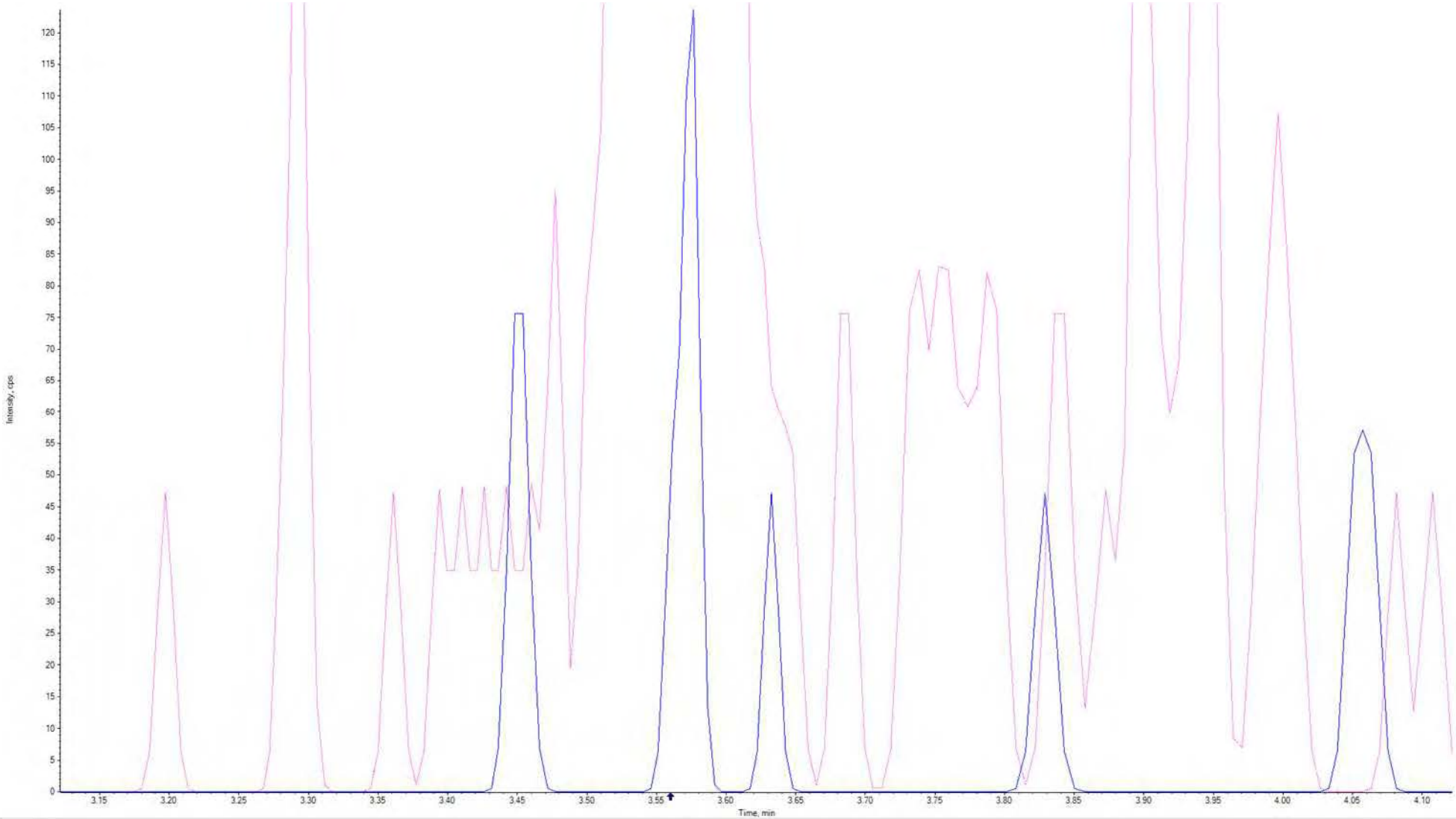

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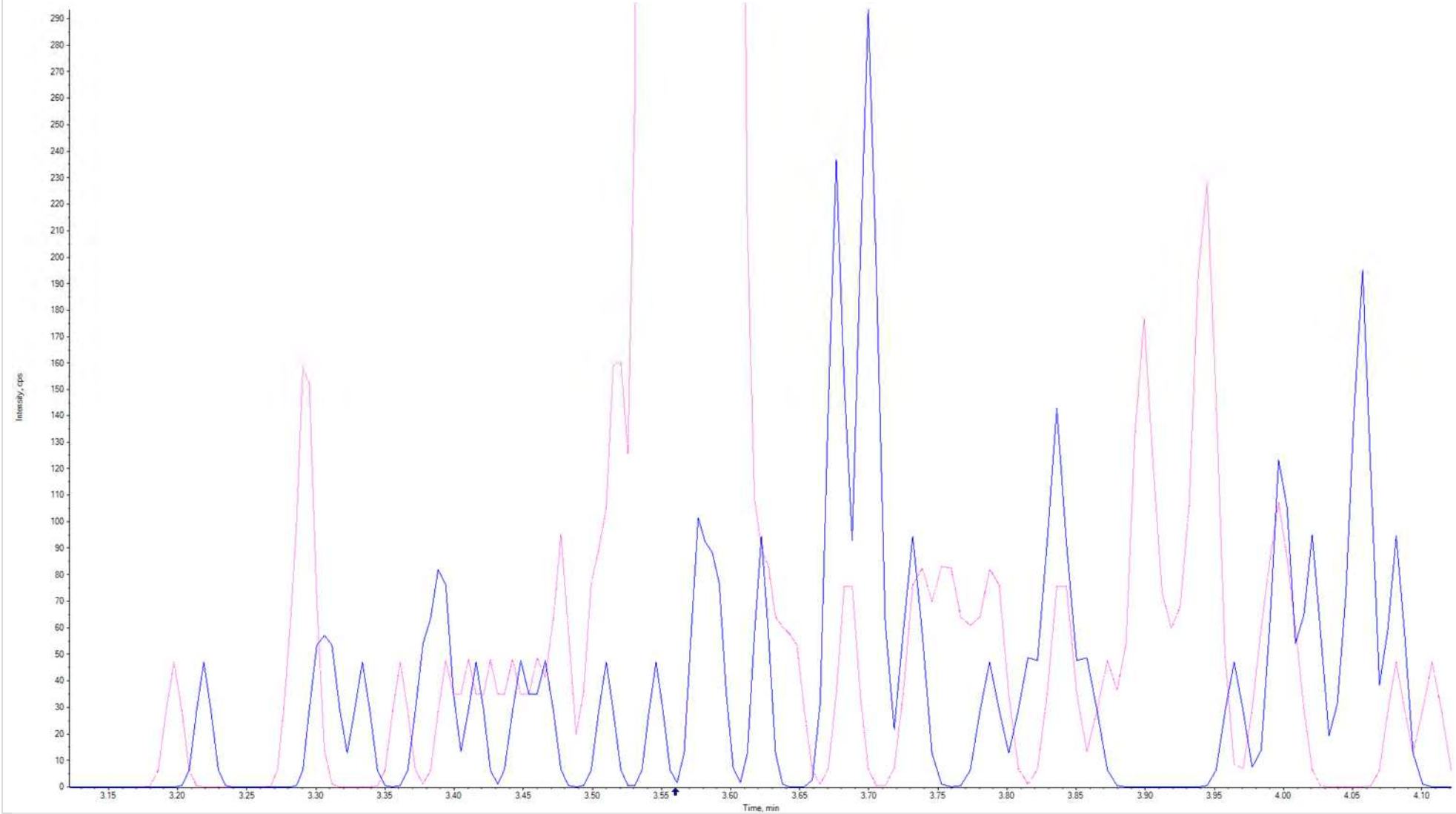

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PFOSA
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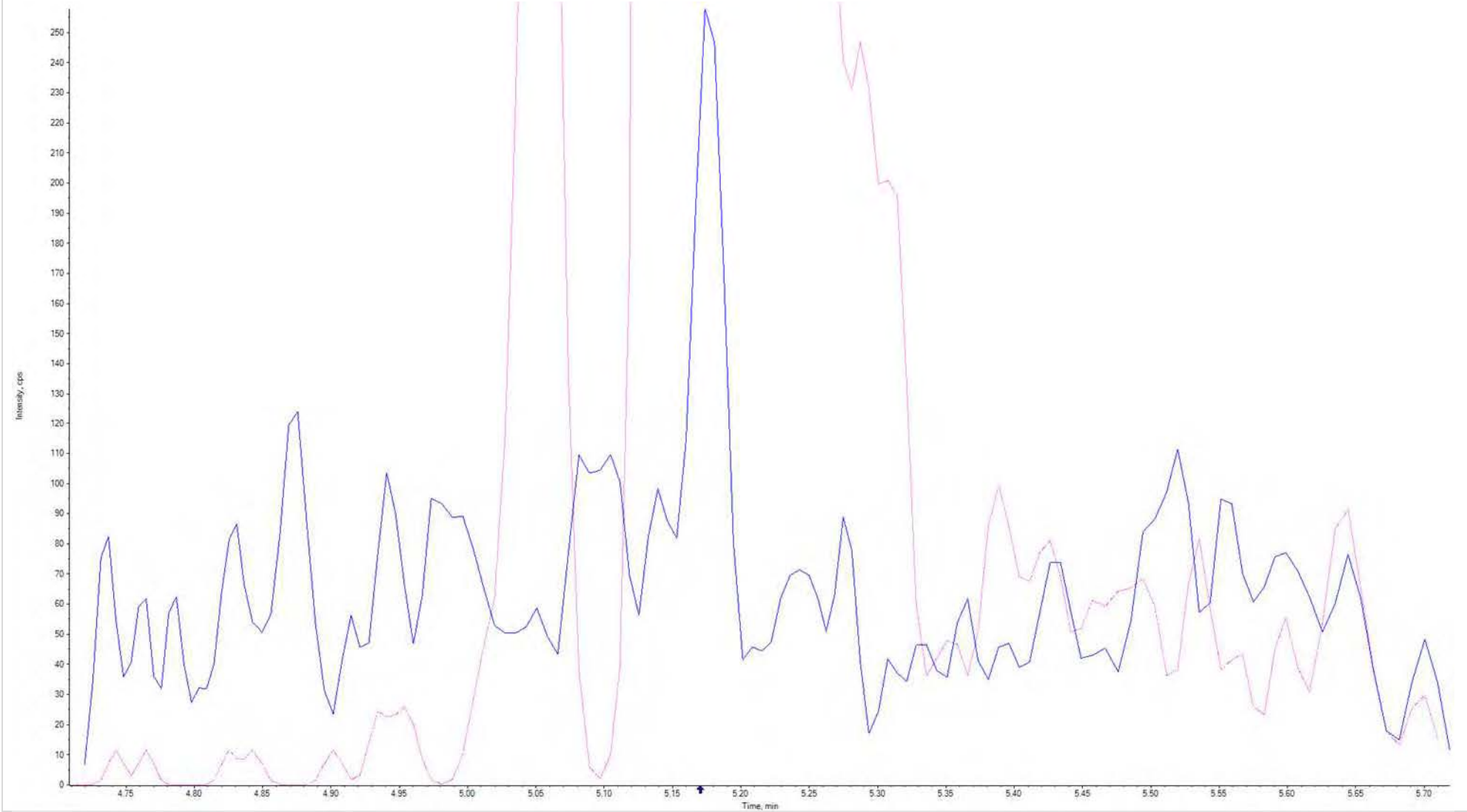

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PFOSA_2
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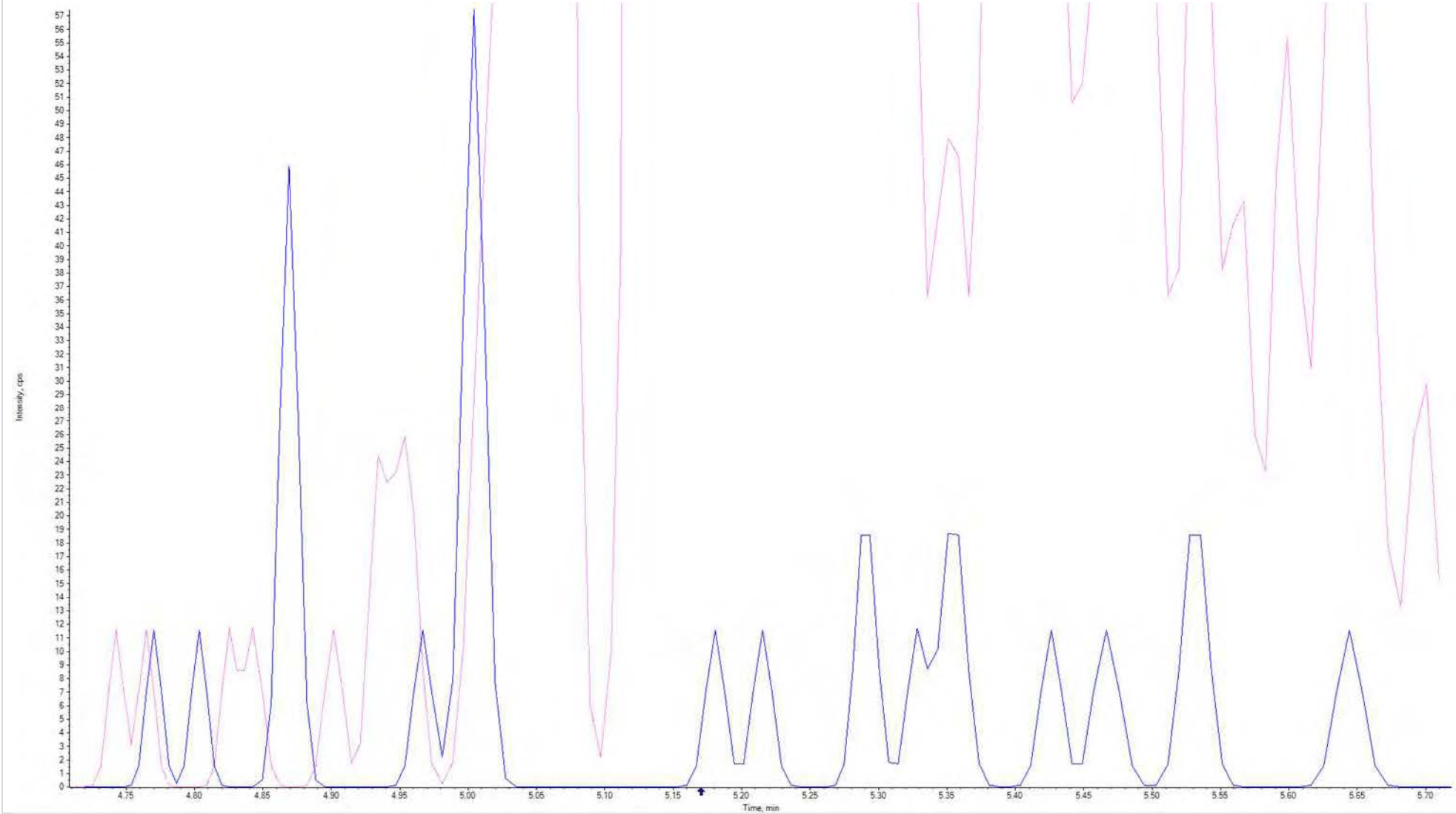

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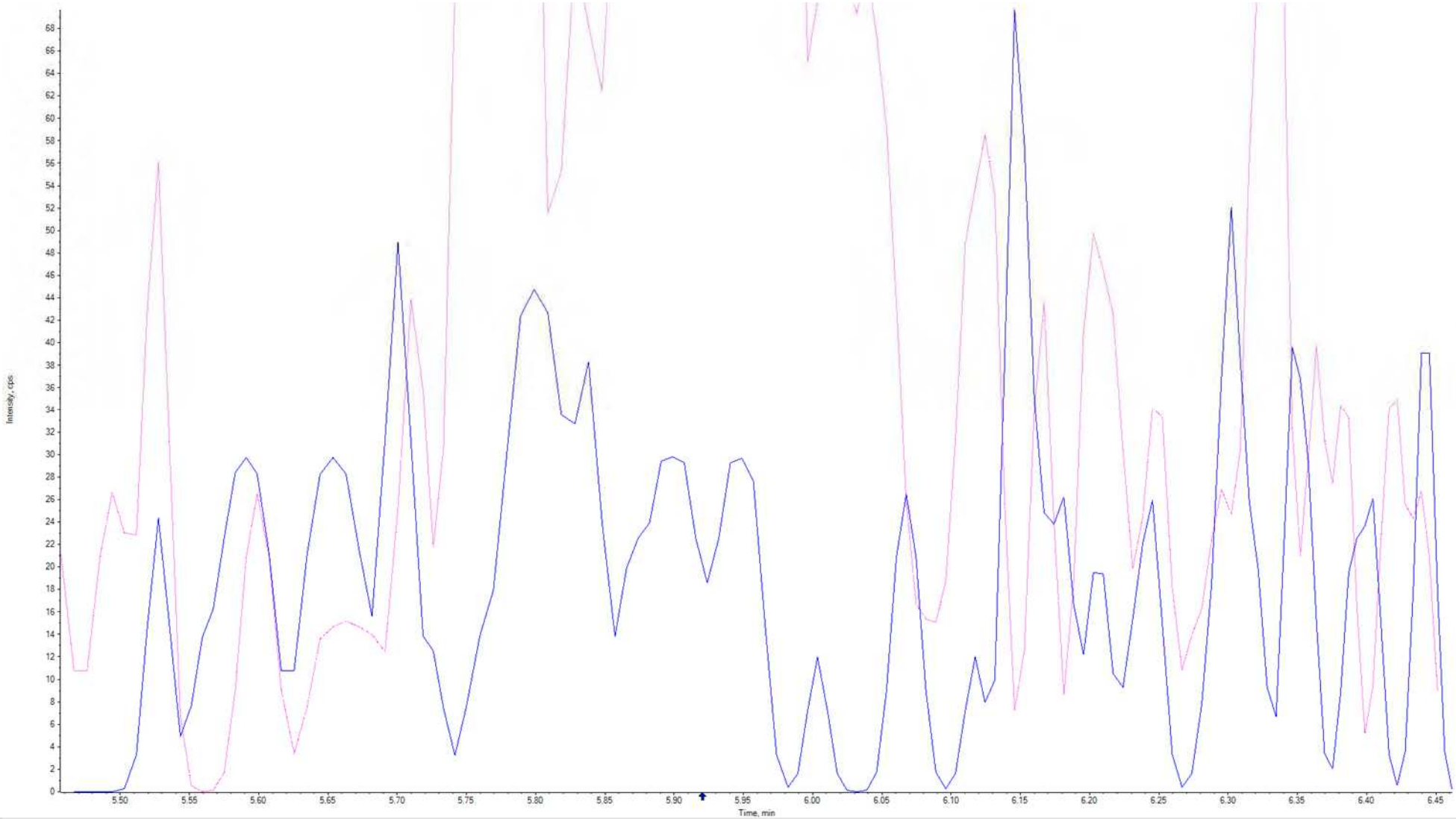

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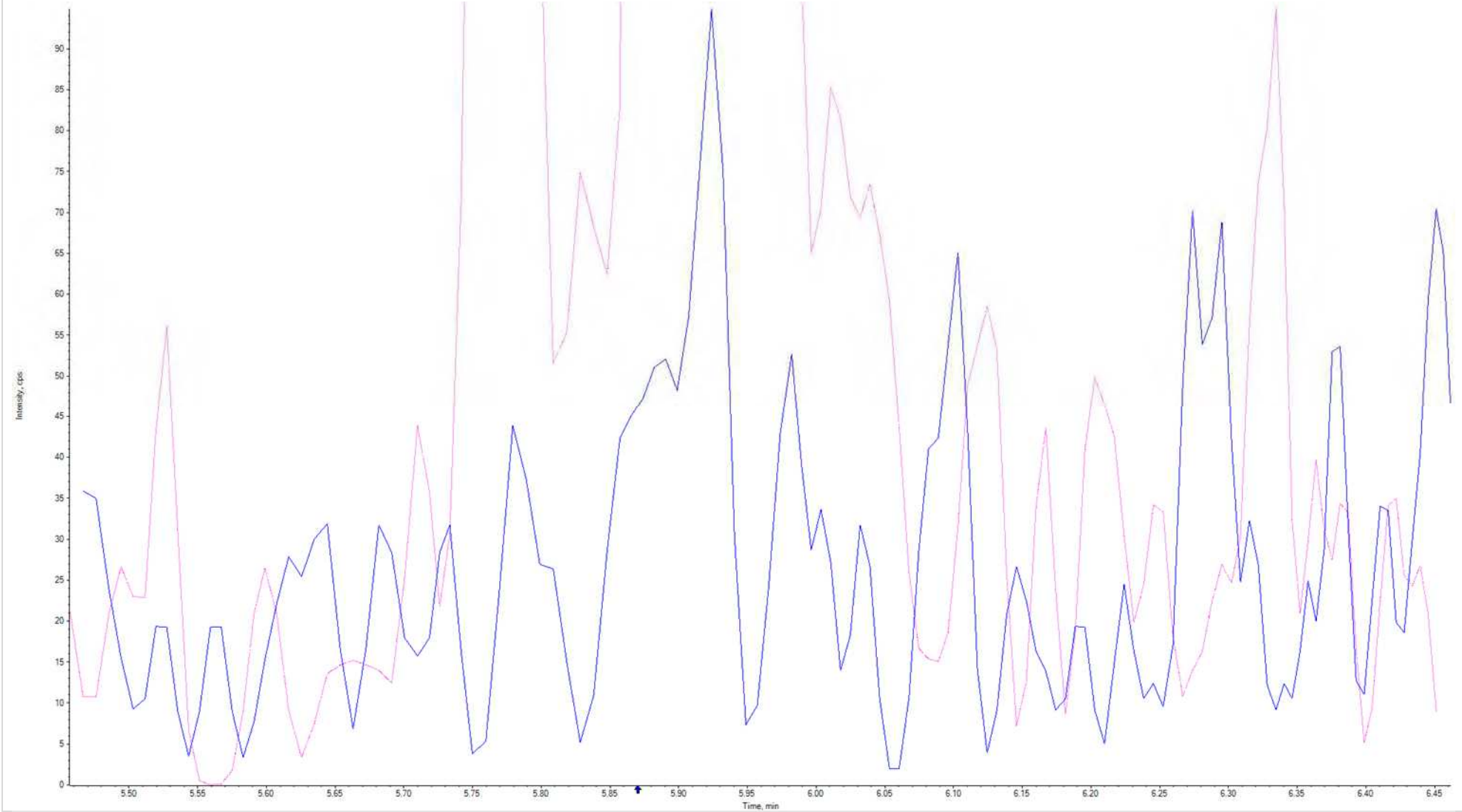

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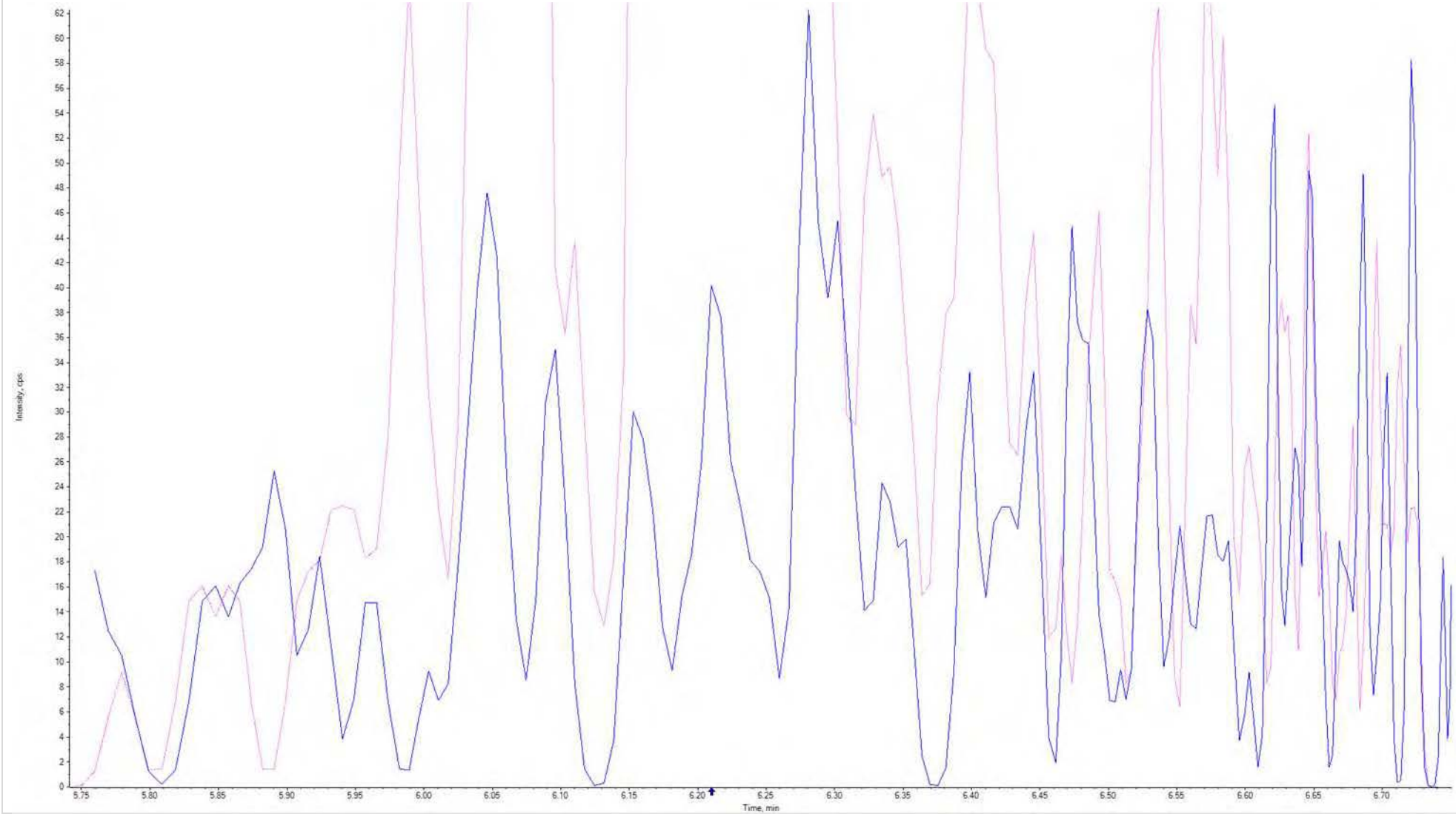

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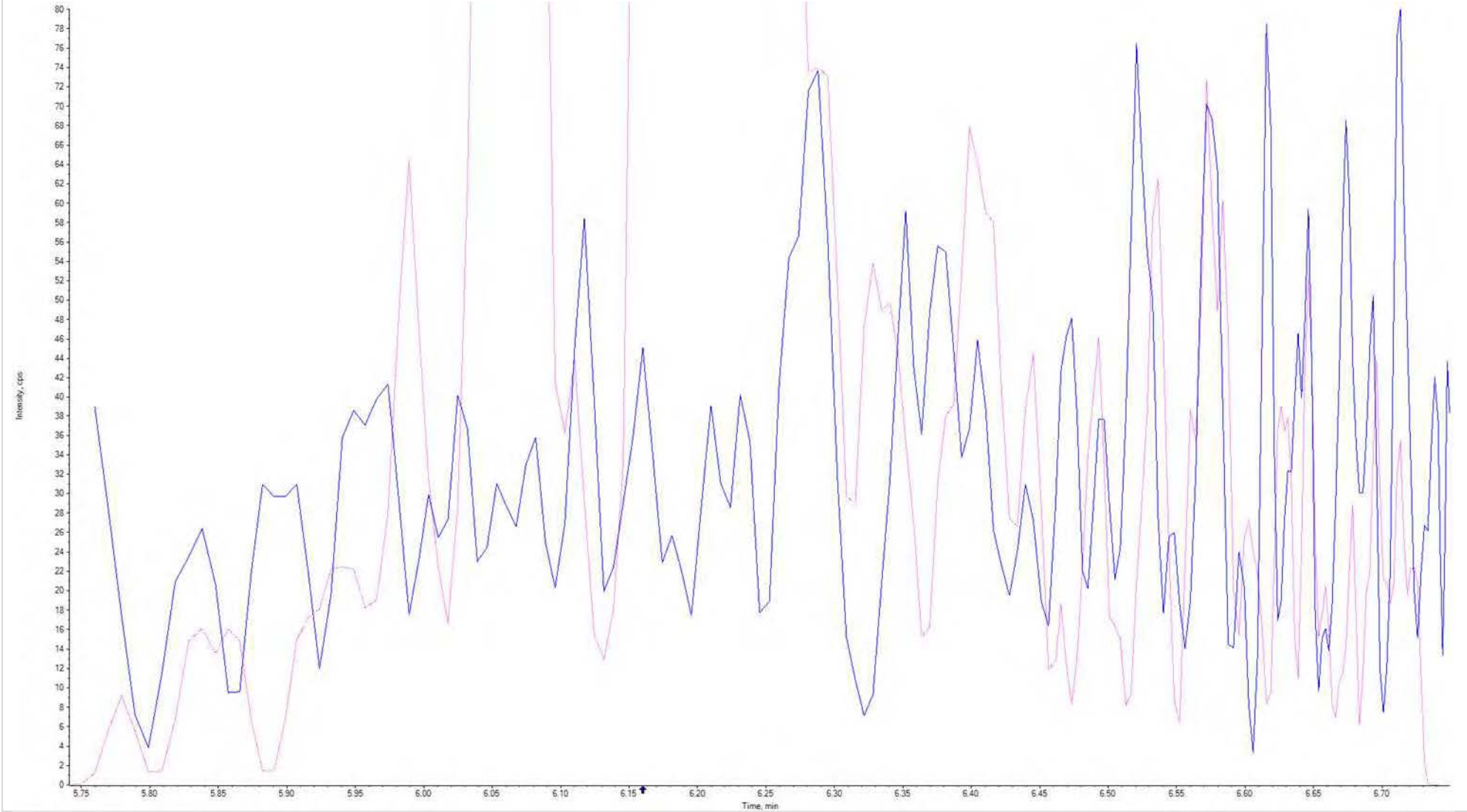

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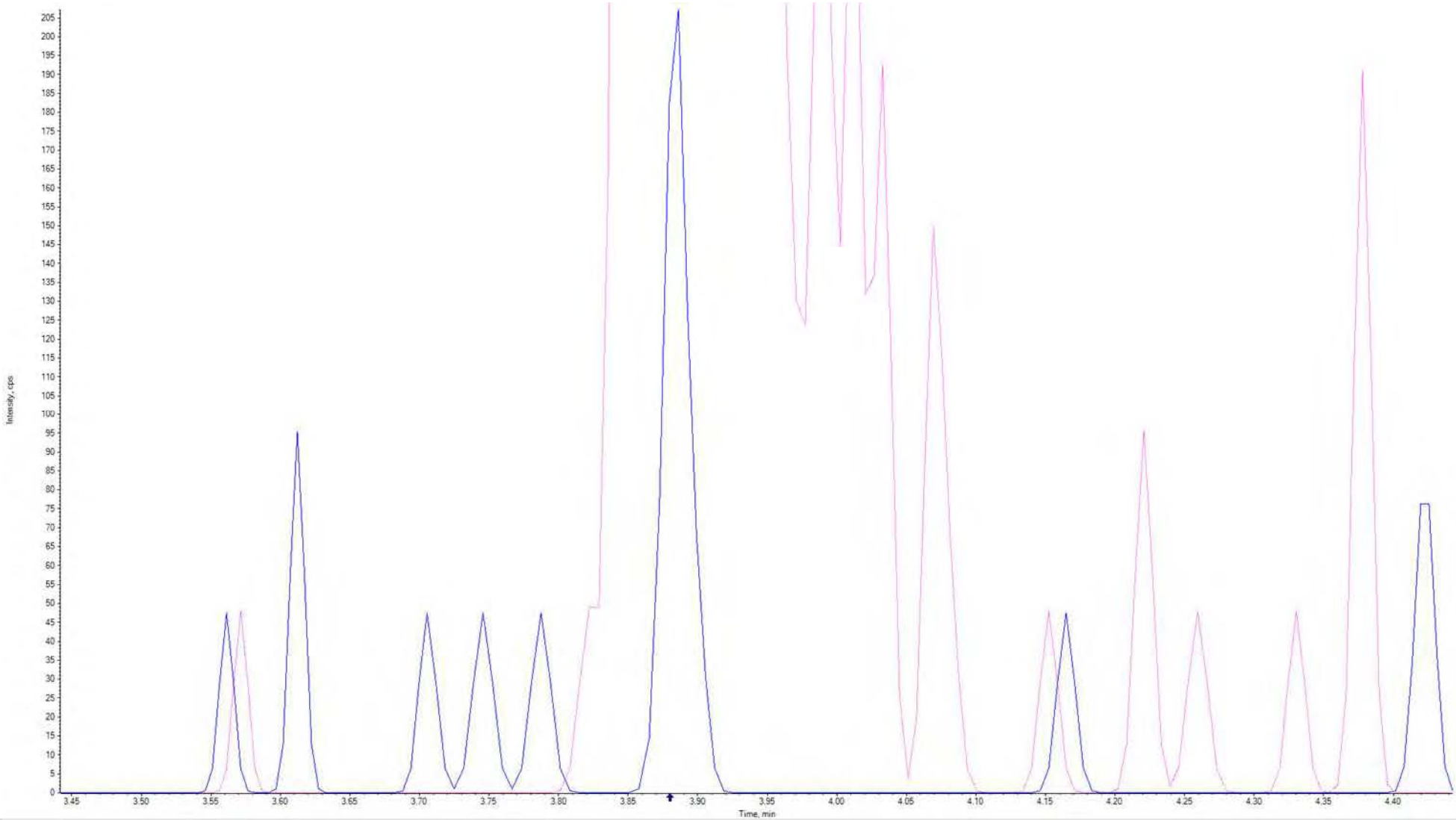

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NMeFOSAA_2
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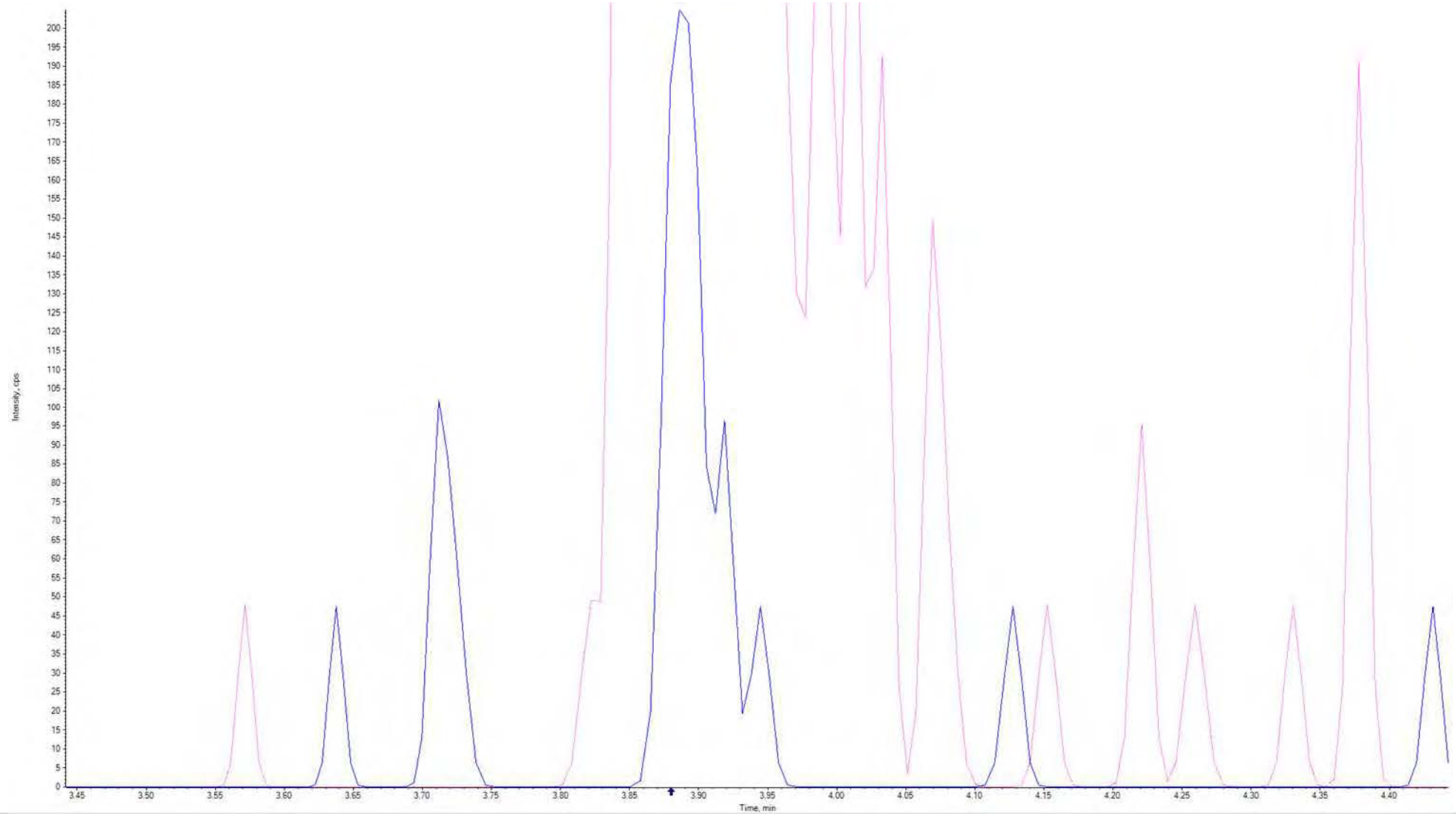

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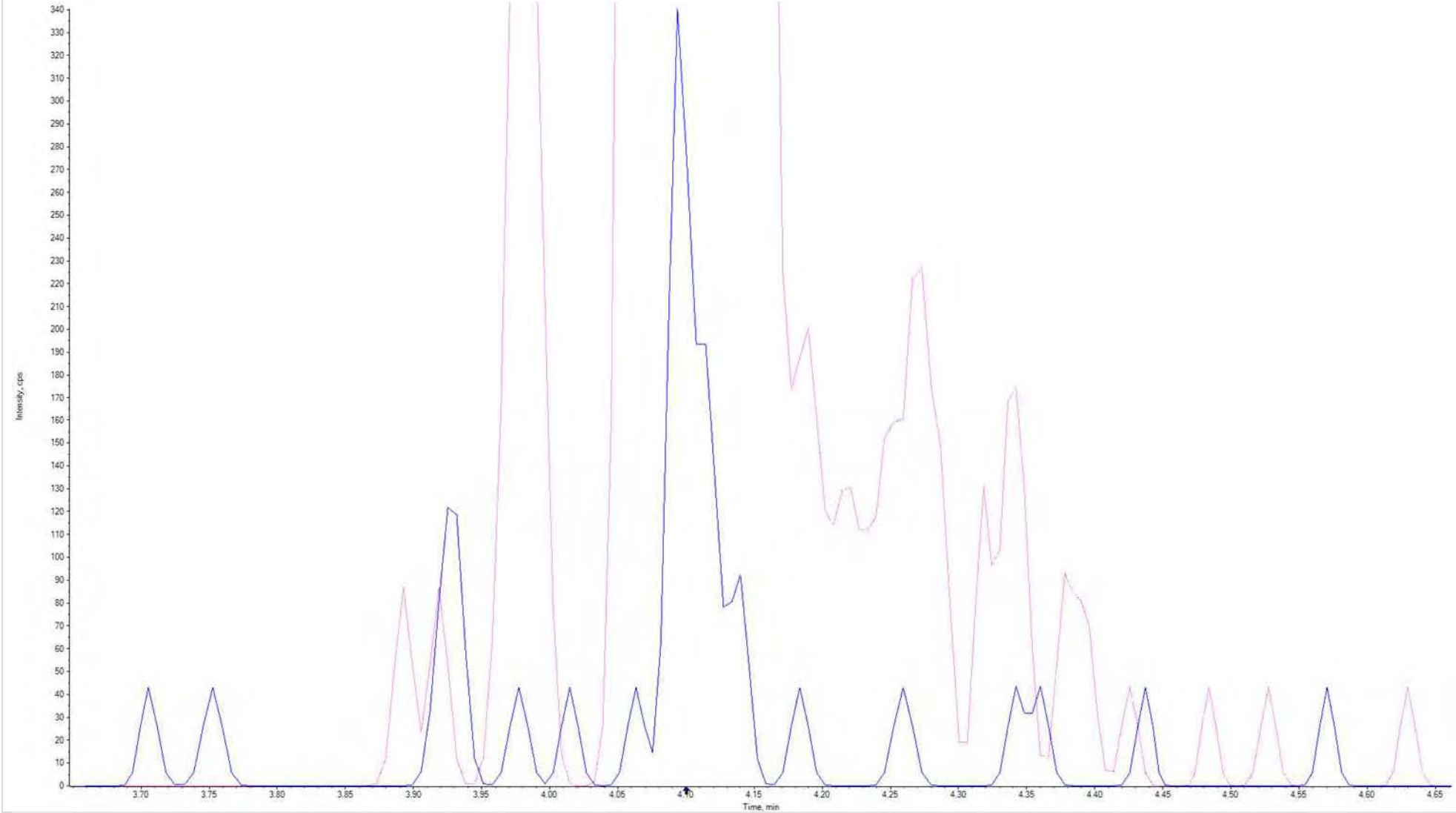

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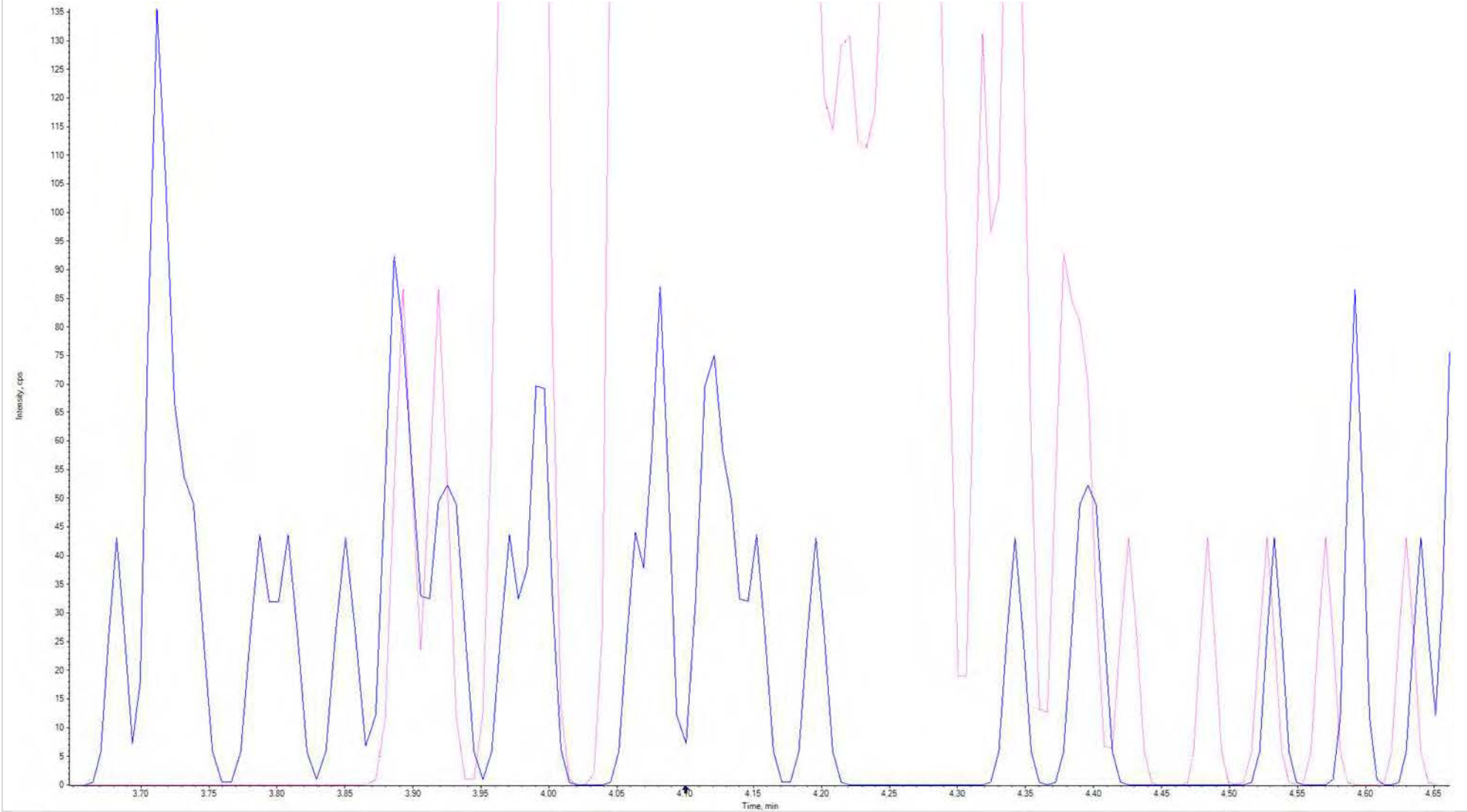

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NMeFOSE
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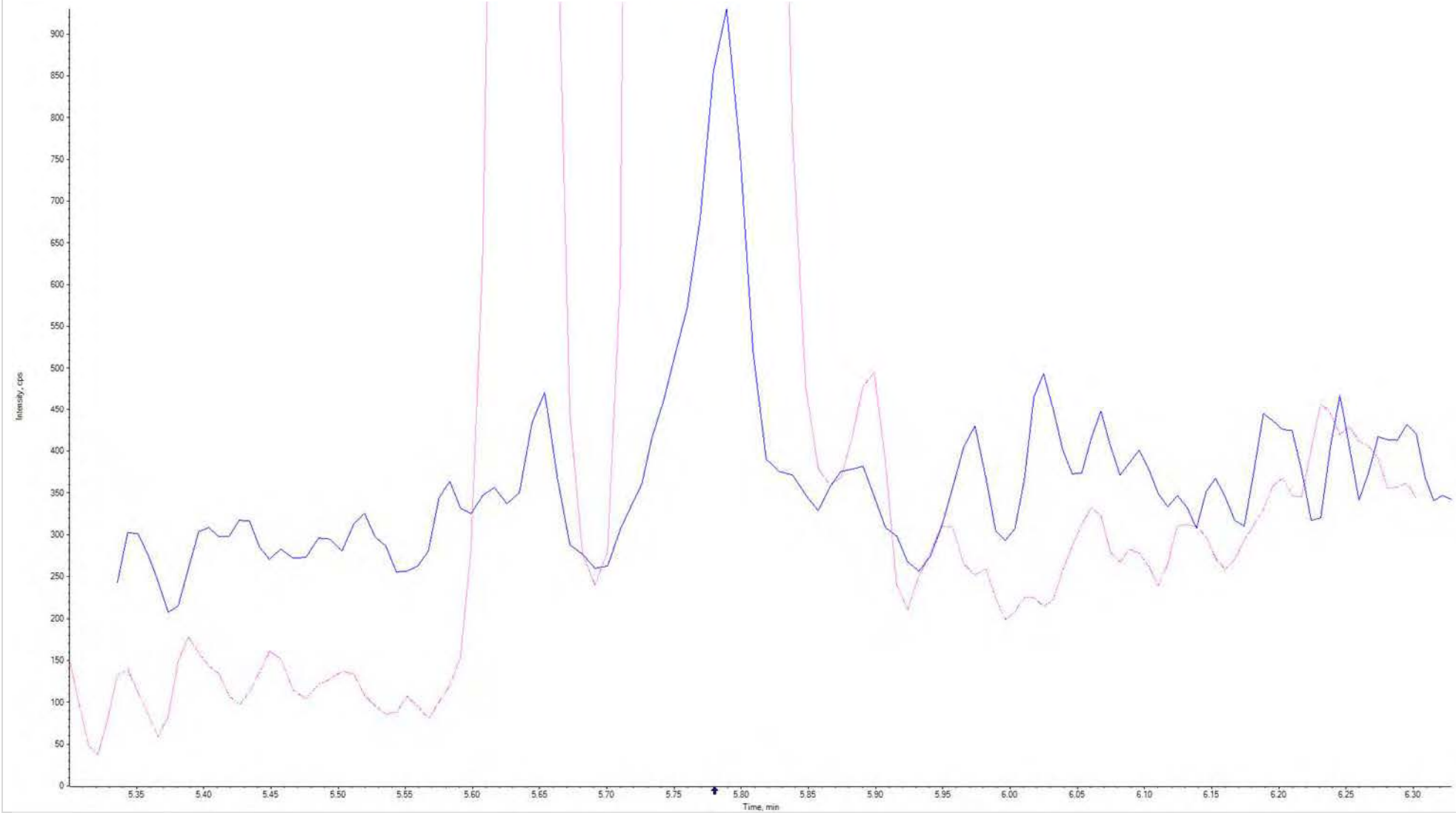

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NEtFOSE
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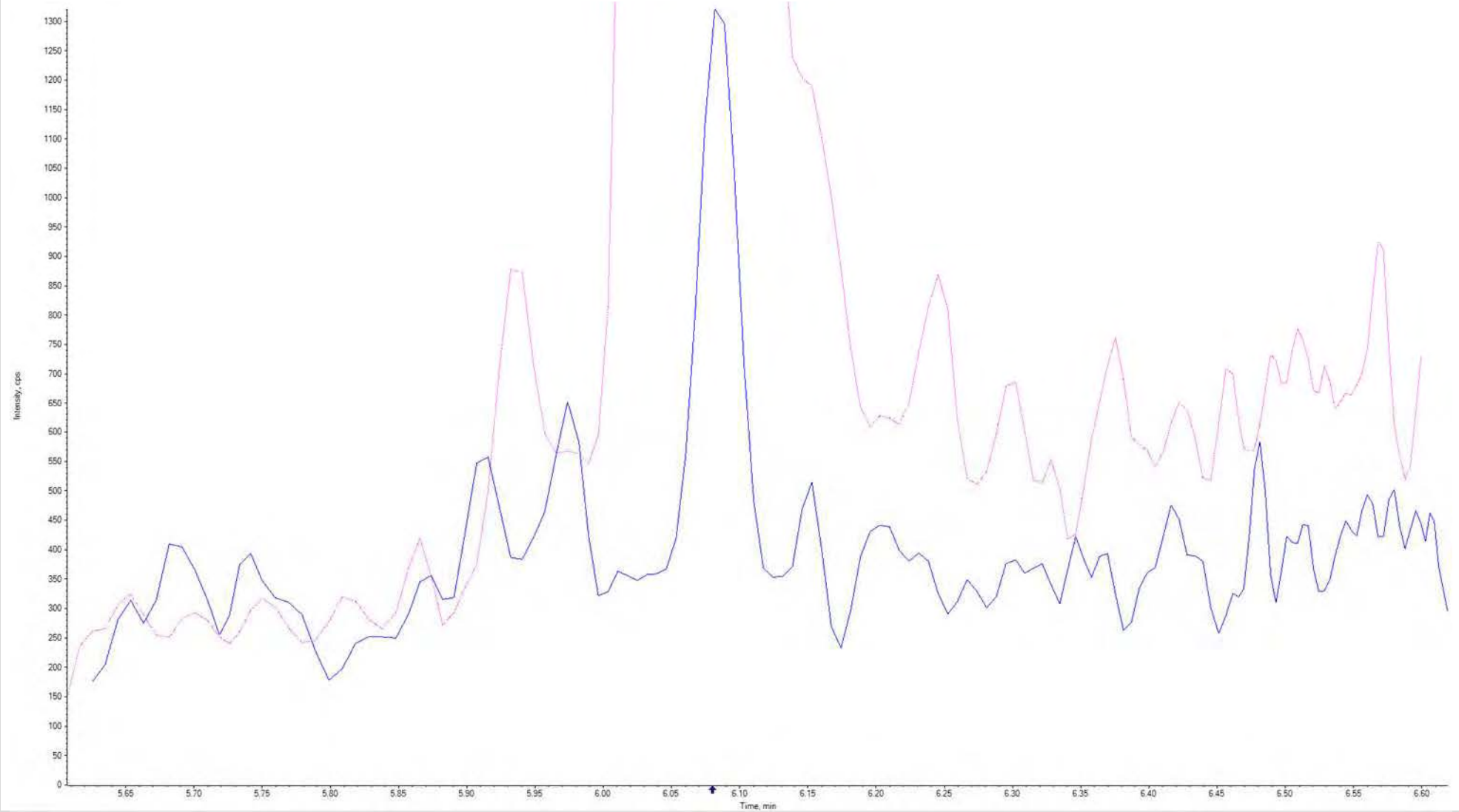

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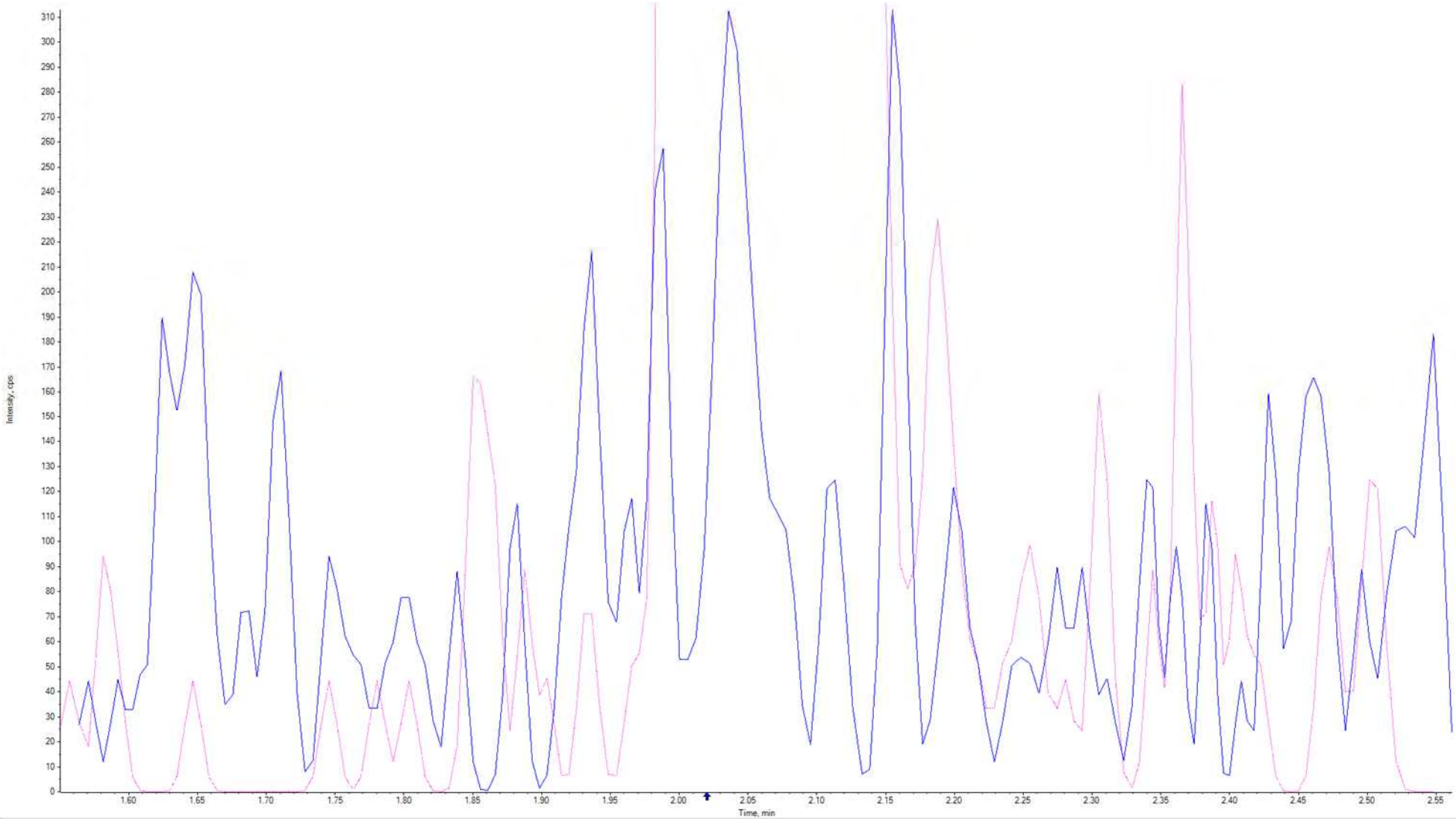

HFPO-DA_2
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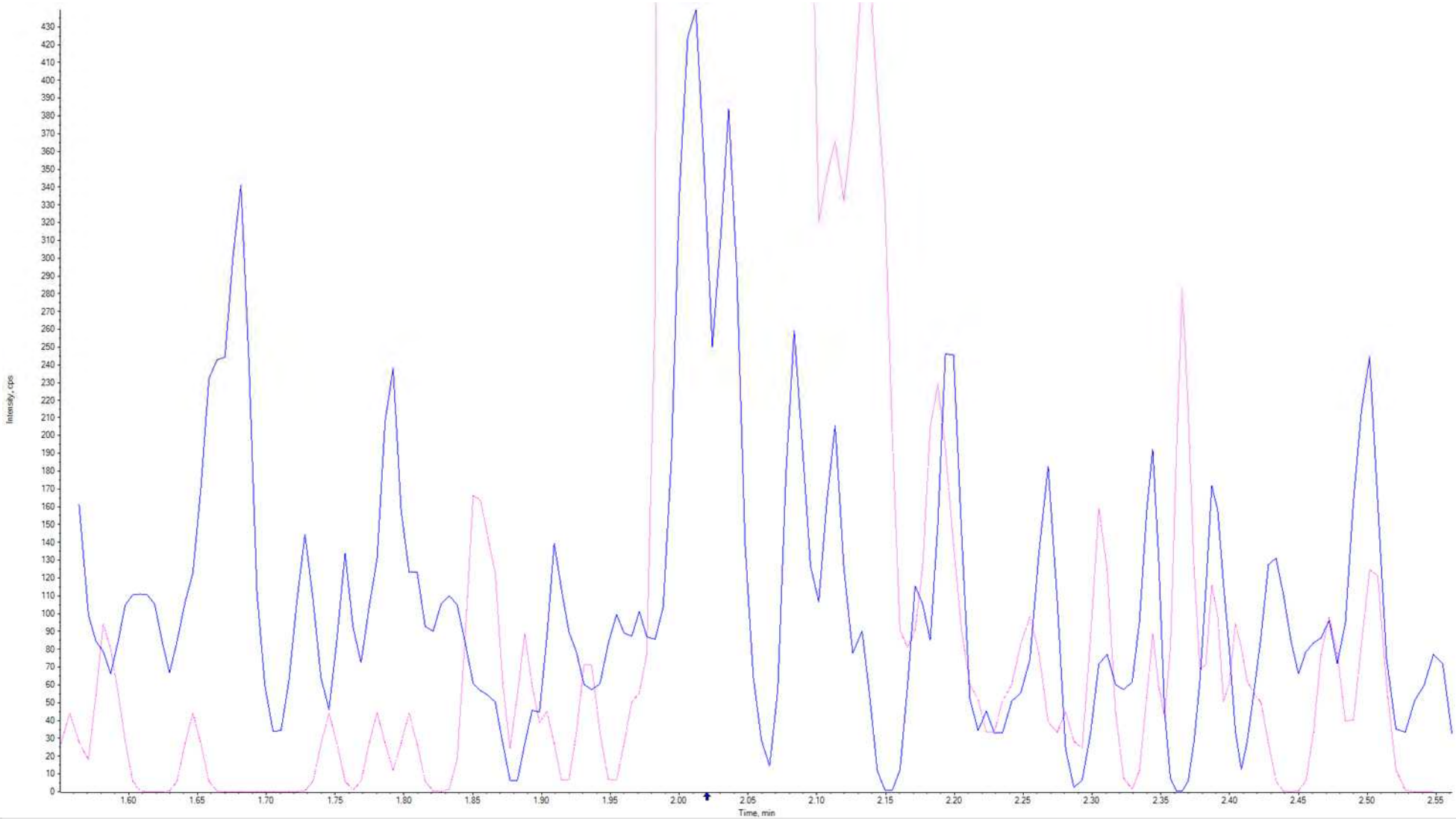

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ADONA
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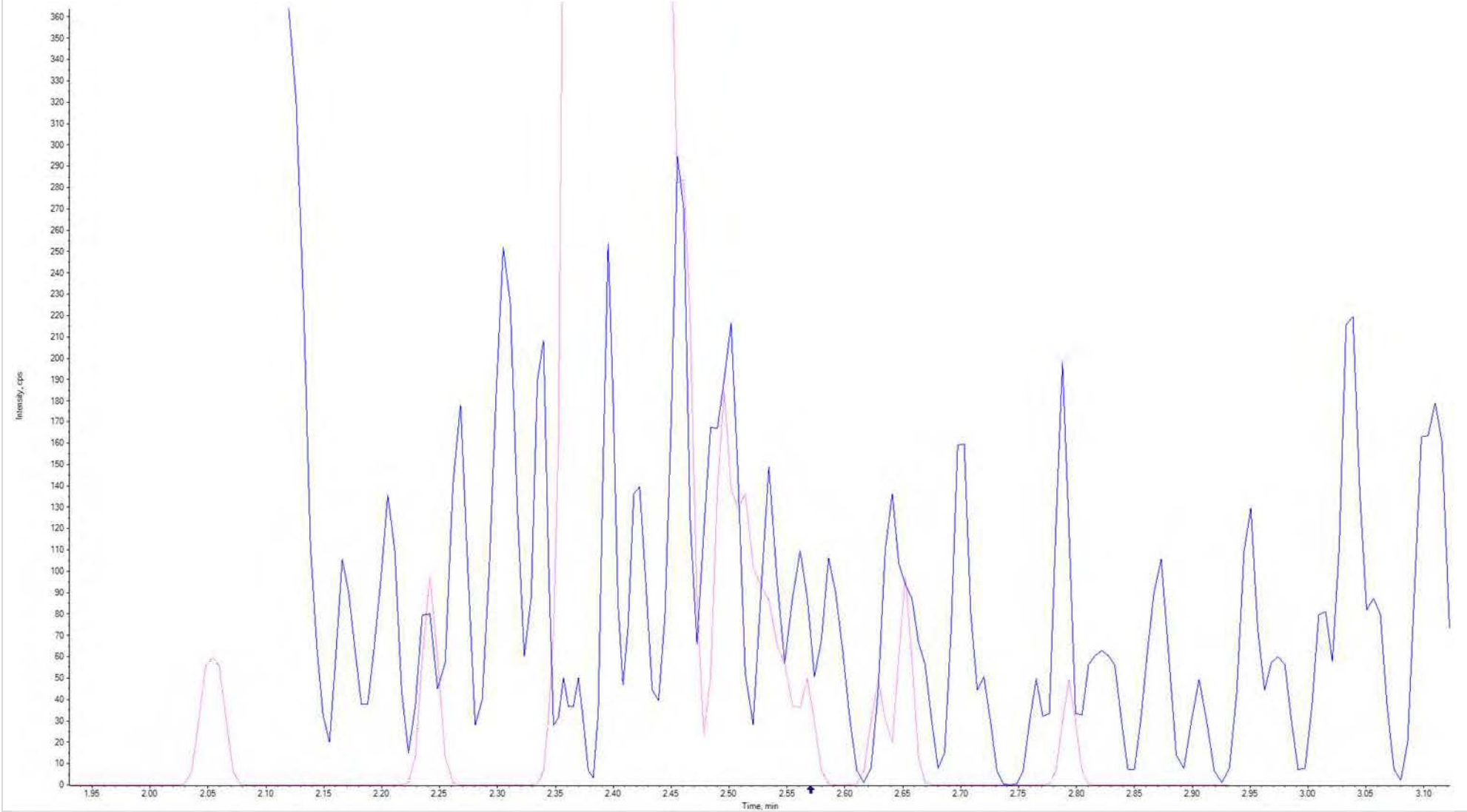

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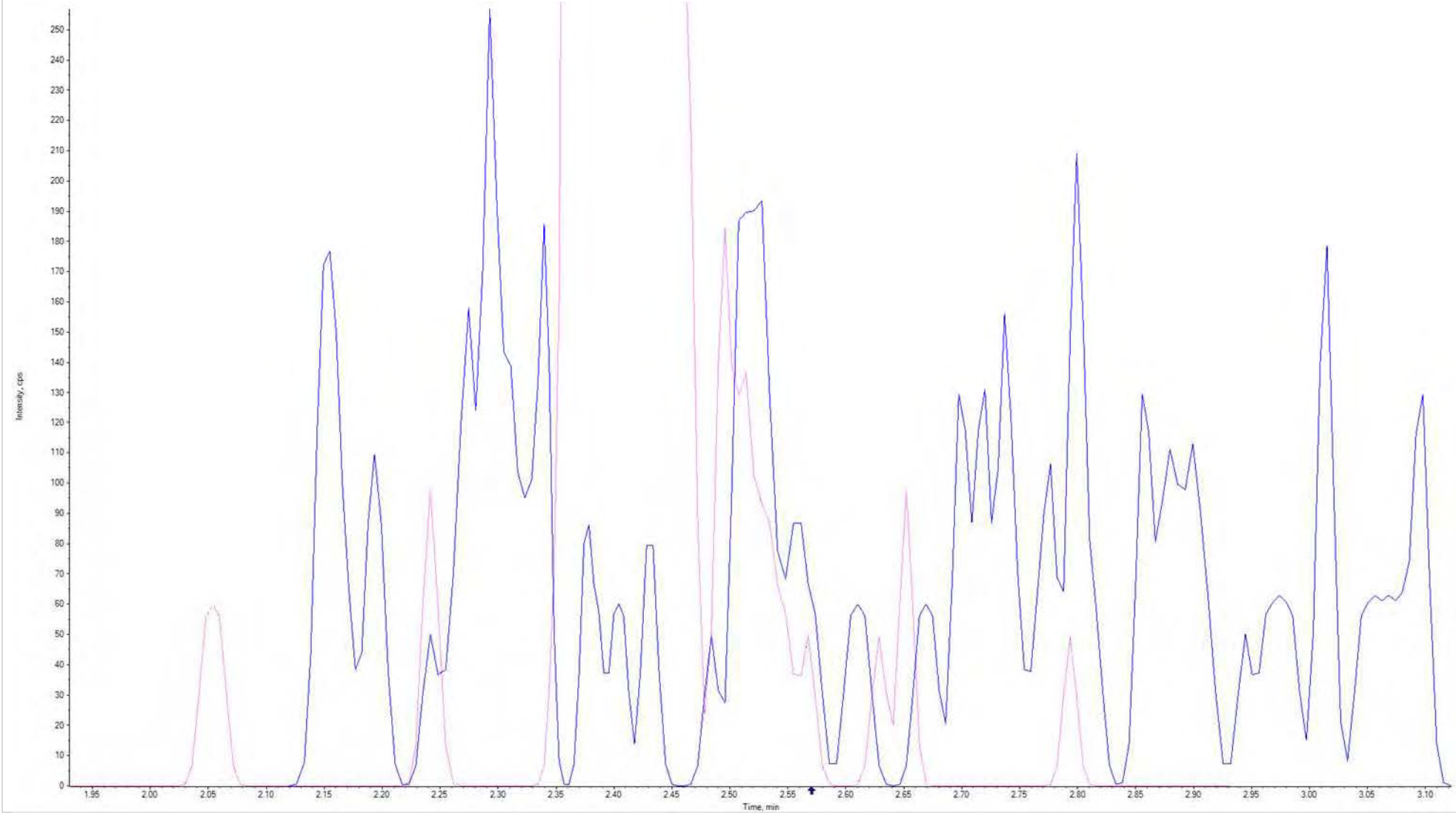

9Cl-PF3ONS
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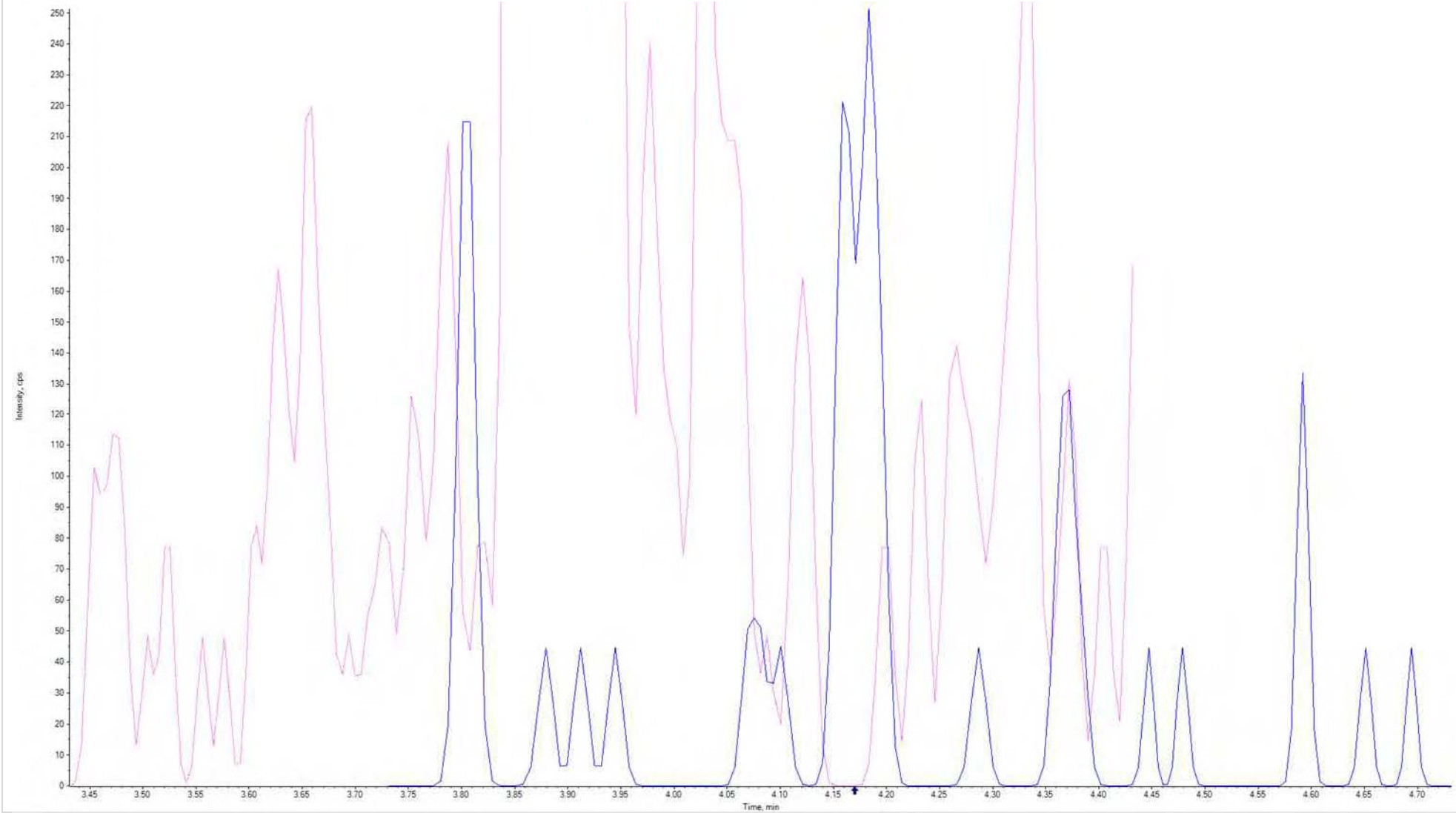

9Cl-PF3ONS_2
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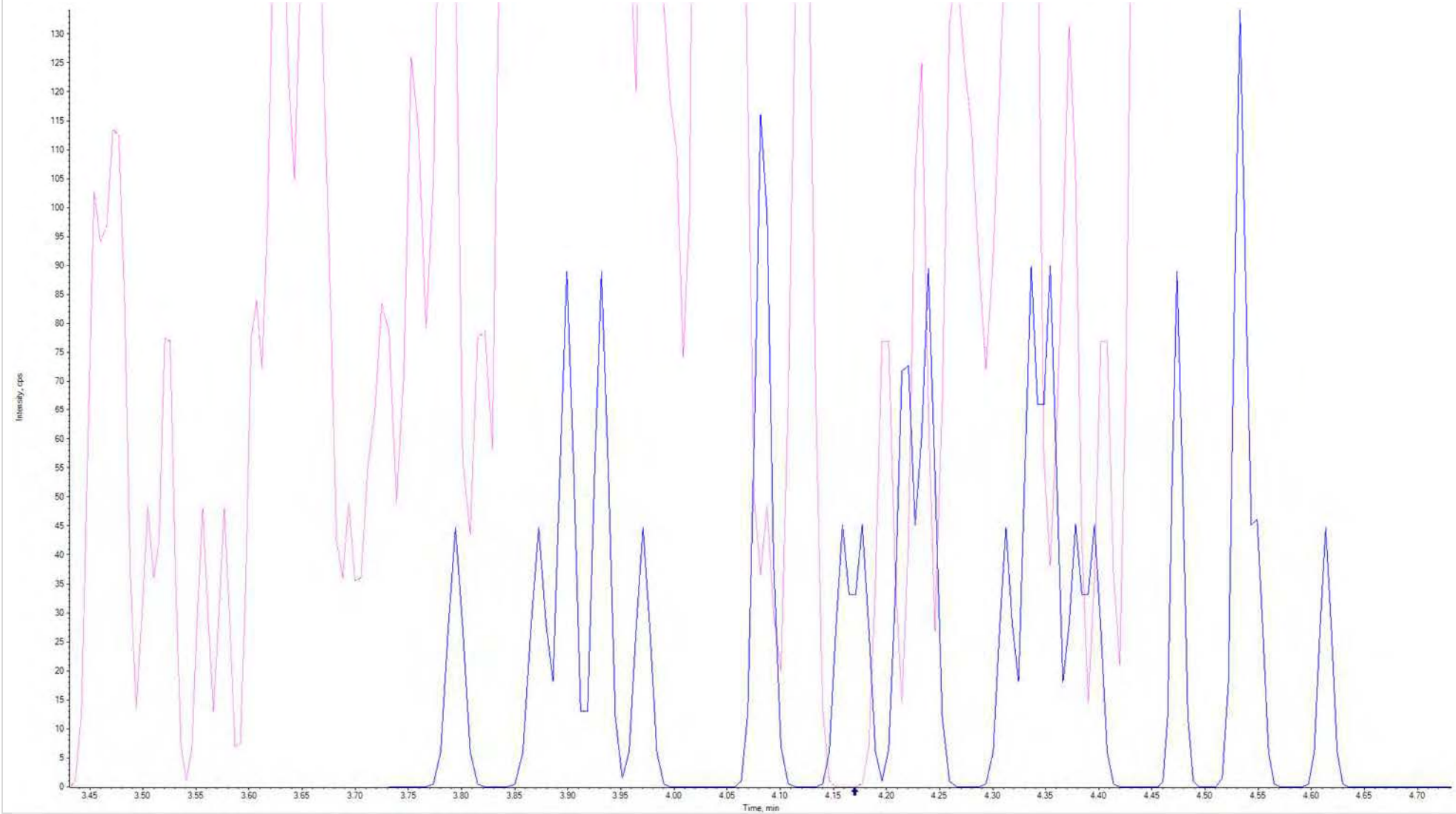
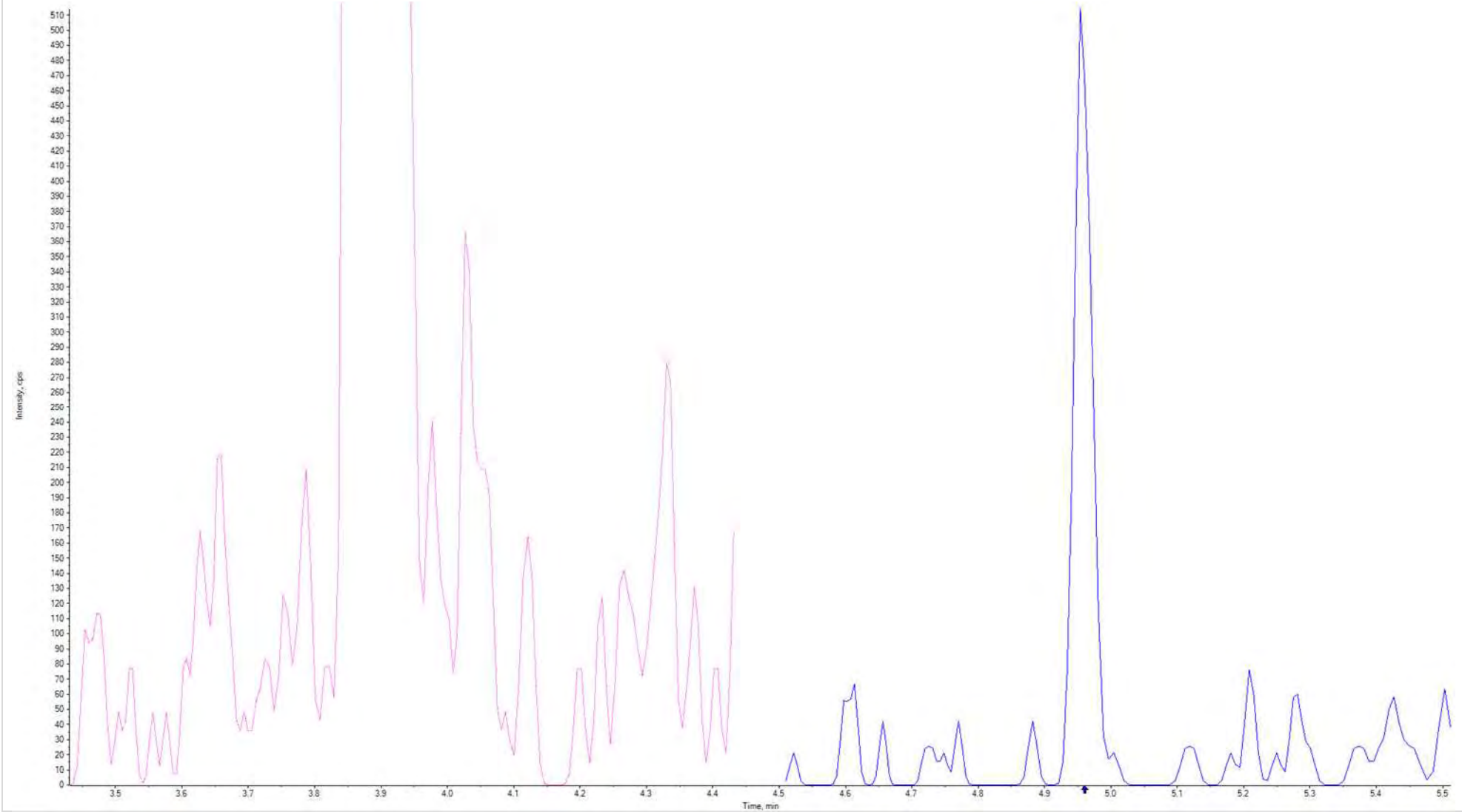


11Cl-PF3OUdS
Sample: WG1996415-2,INSTBLNK S/N:N/A Points Across peak:N/A



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Alpha Analytical LLC
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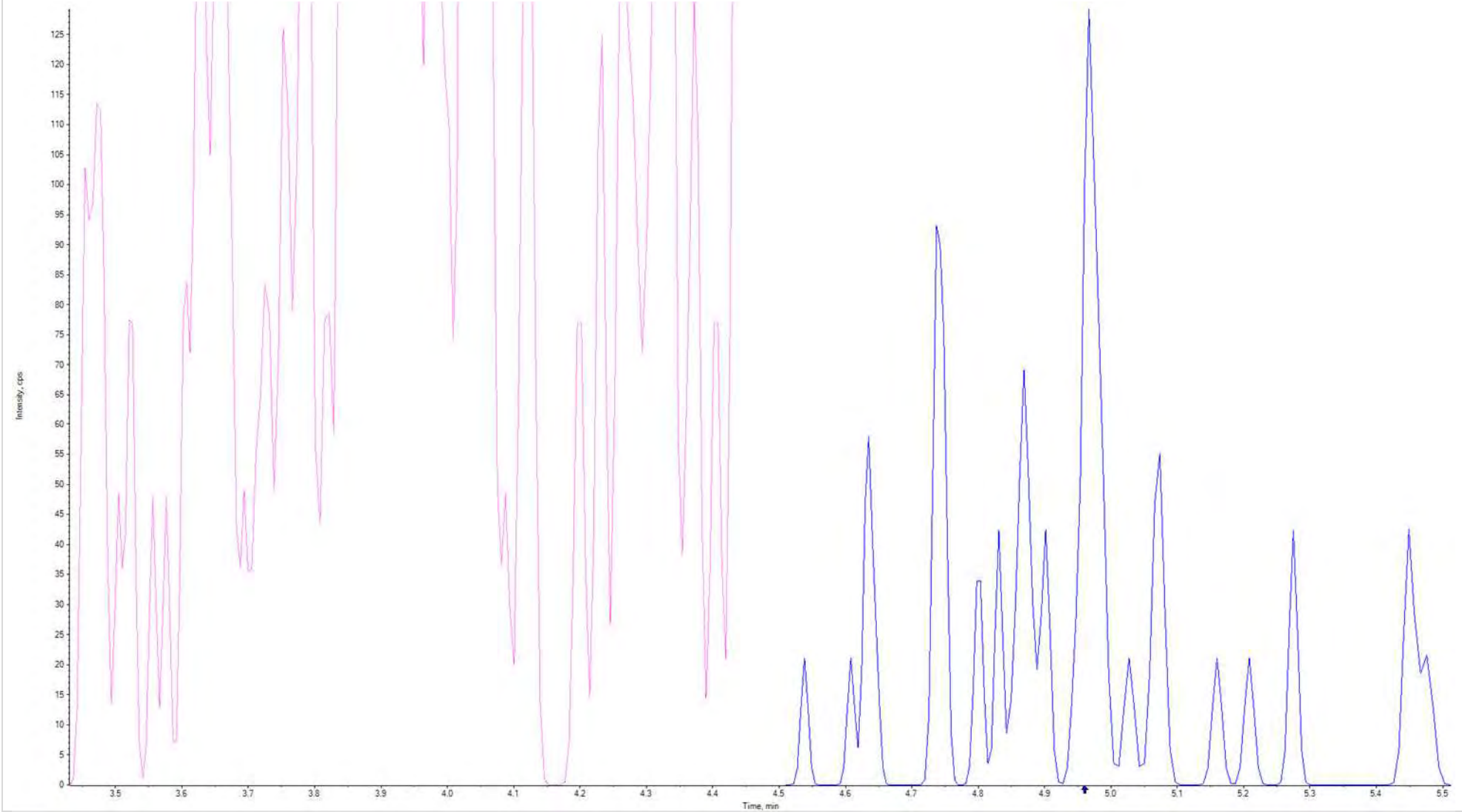
Generated: 11/12/2024 3:31:45 PM

11Cl-PF3OUdS_2
Sample: WG1996415-2,INSTBLNK S/N:N/A Points Across peak:N/A



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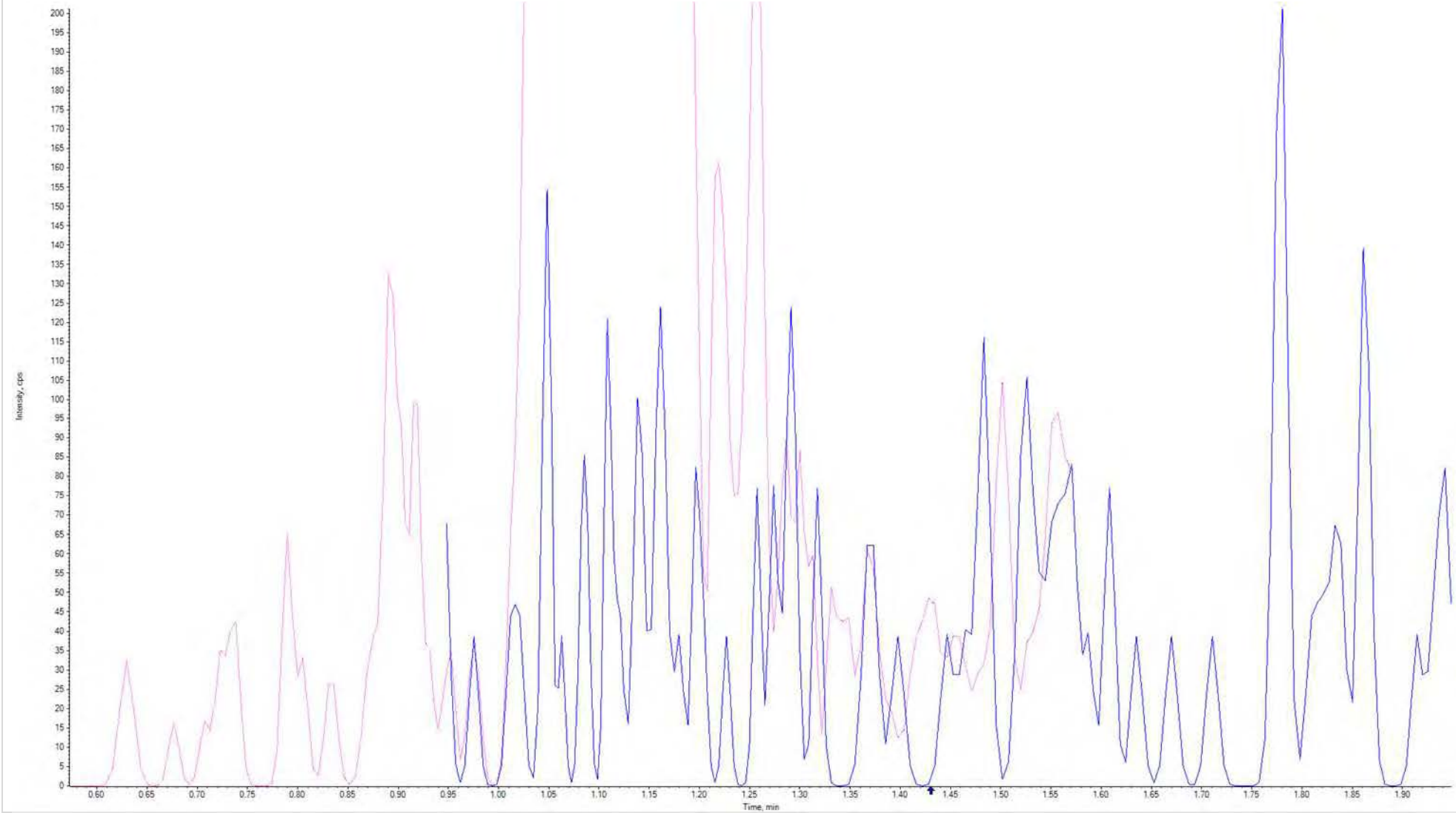
3:3FTCA
Sample: WG1996415-2,INSTBLNK S/N:N/A Points Across peak:N/A



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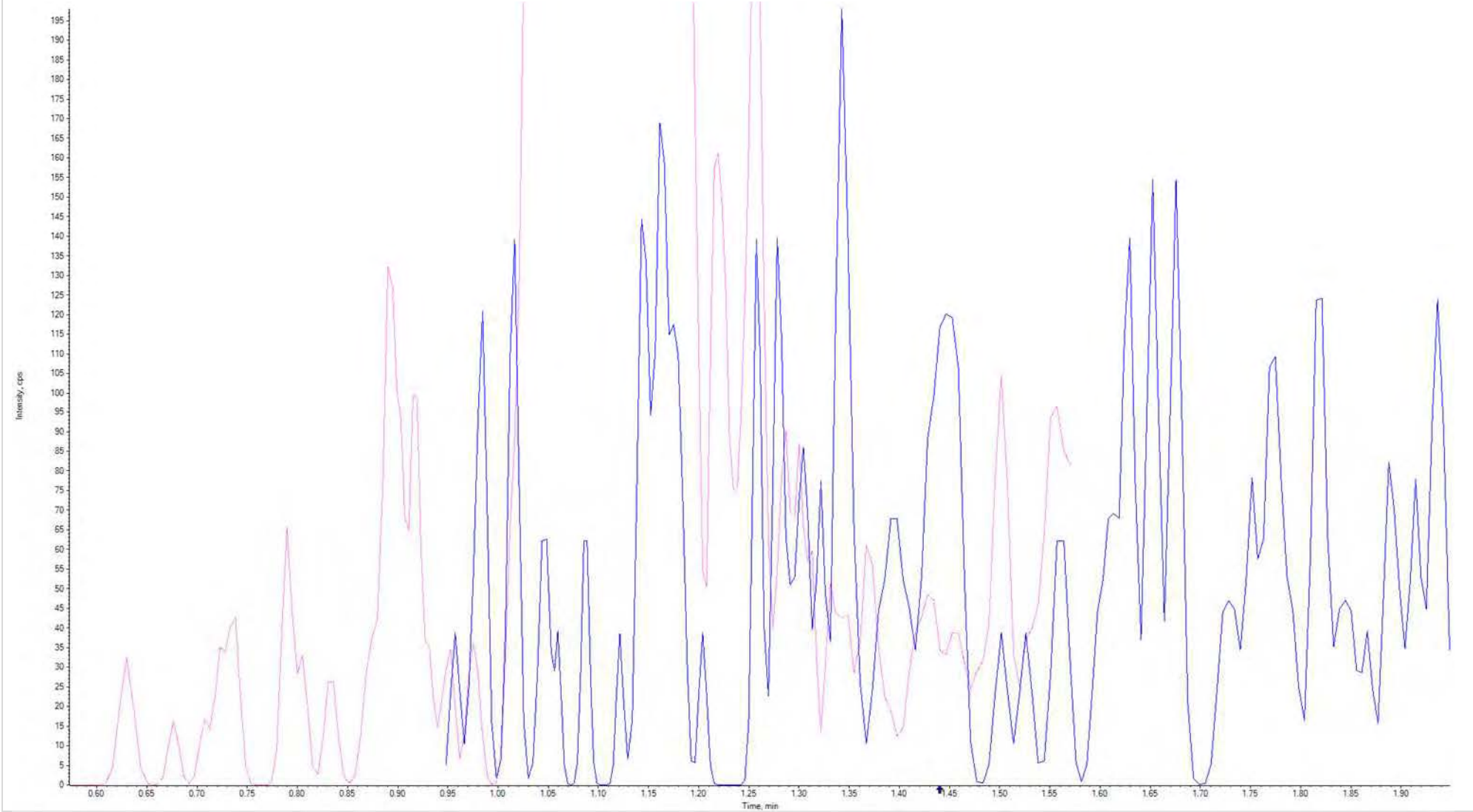
3:3FTCA_2
Sample: WG1996415-2,INSTBLNK S/N:N/A Points Across peak:N/A



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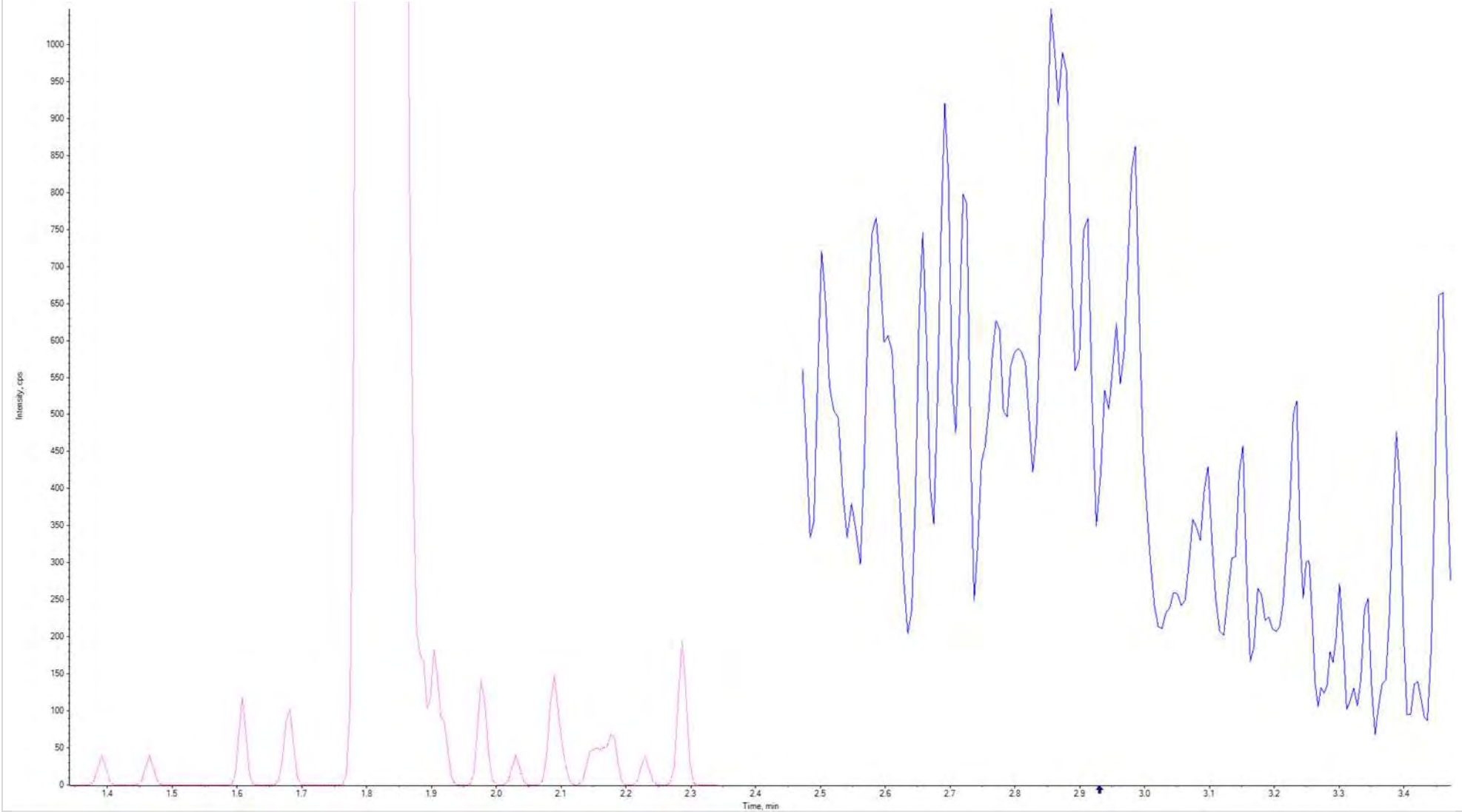
5:3FTCA
Sample: WG1996415-2,INSTBLNK S/N:N/A Points Across peak:N/A



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Last Altered: 11/12/2024 3:33:13 PM
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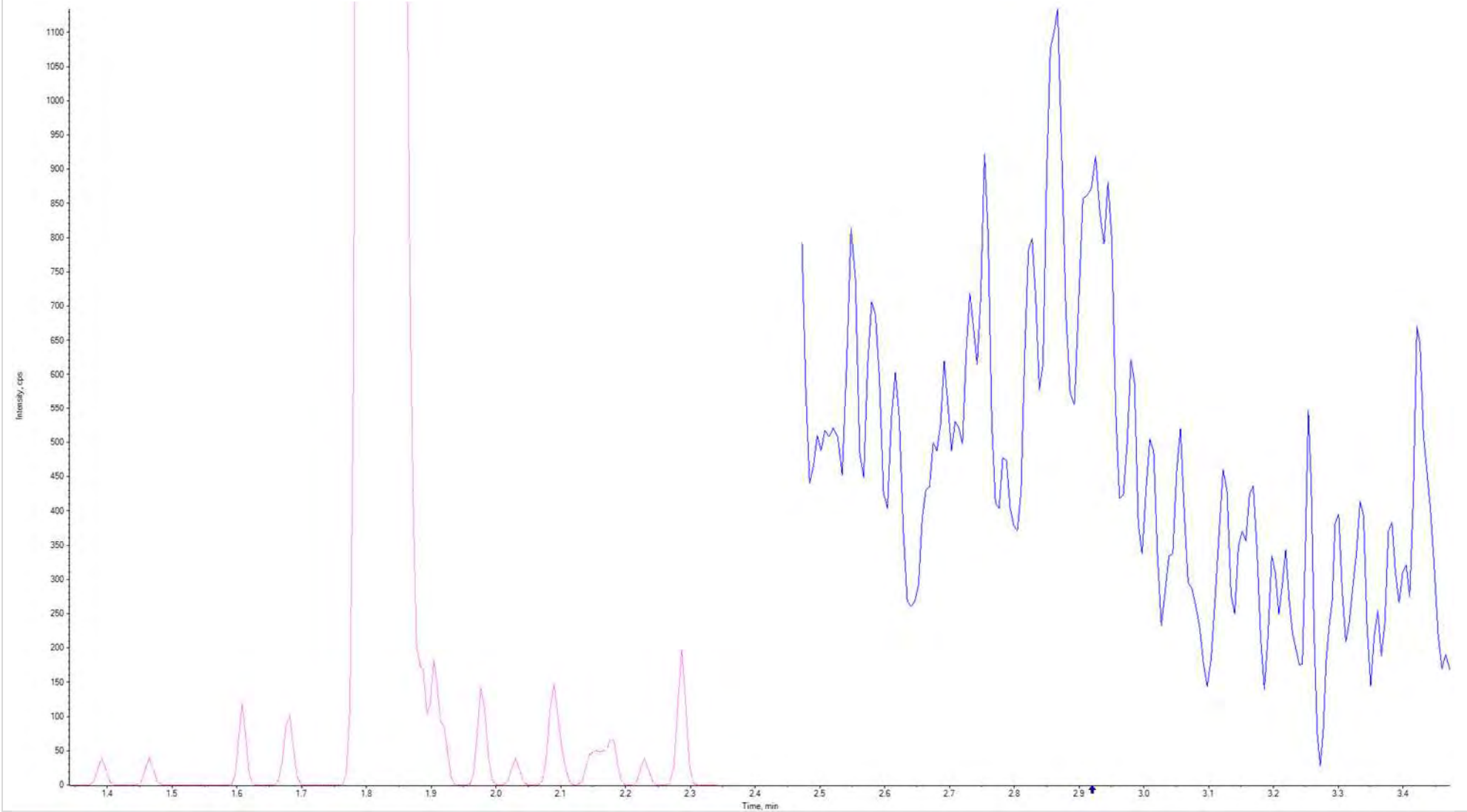
5:3FTCA_2
Sample: WG1996415-2,INSTBLNK S/N:N/A Points Across peak:N/A



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Last Altered: 11/12/2024 3:33:13 PM
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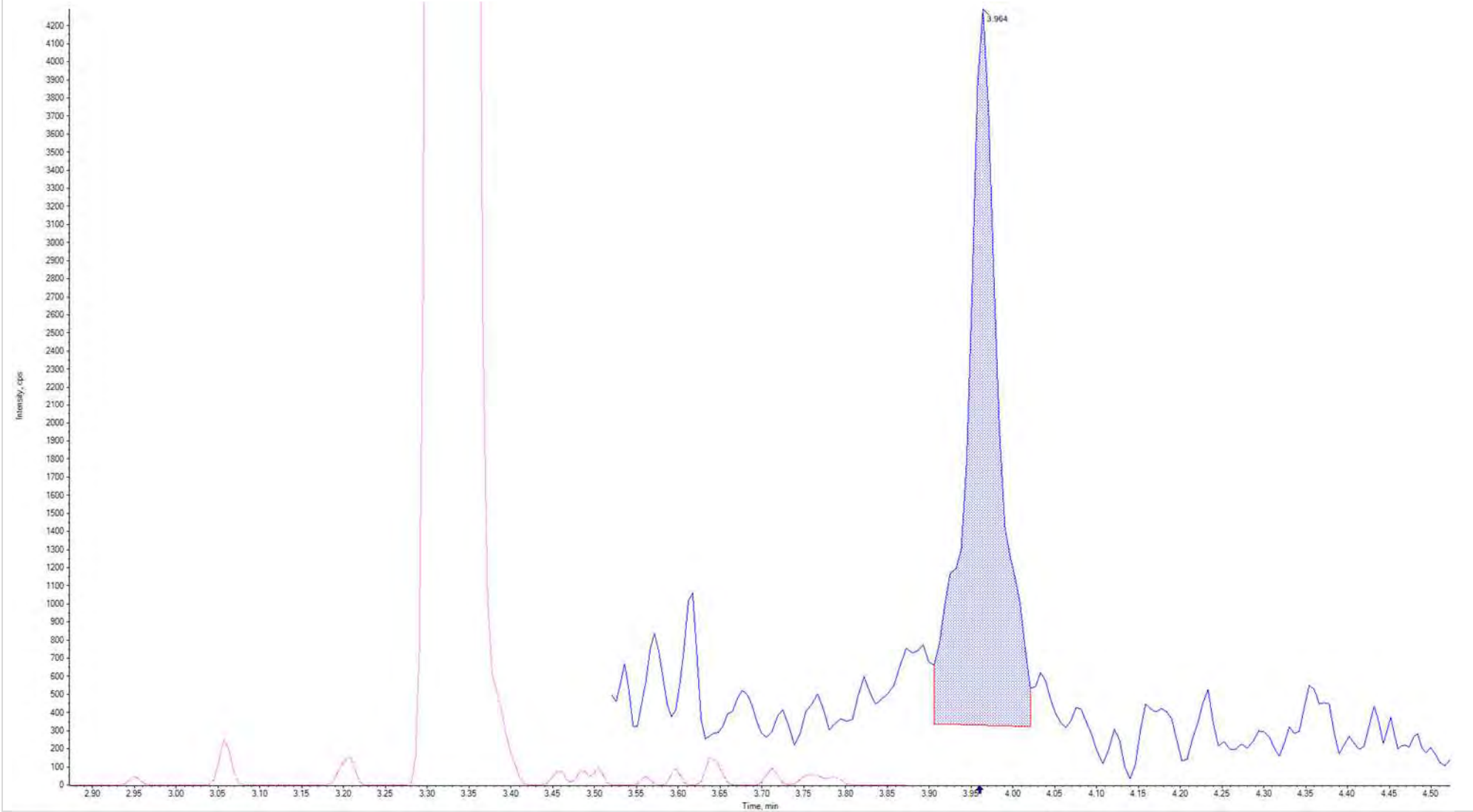
7:3FTCA
Sample: WG1996415-2,INSTBLNK S/N:109.2 Points Across peak:19



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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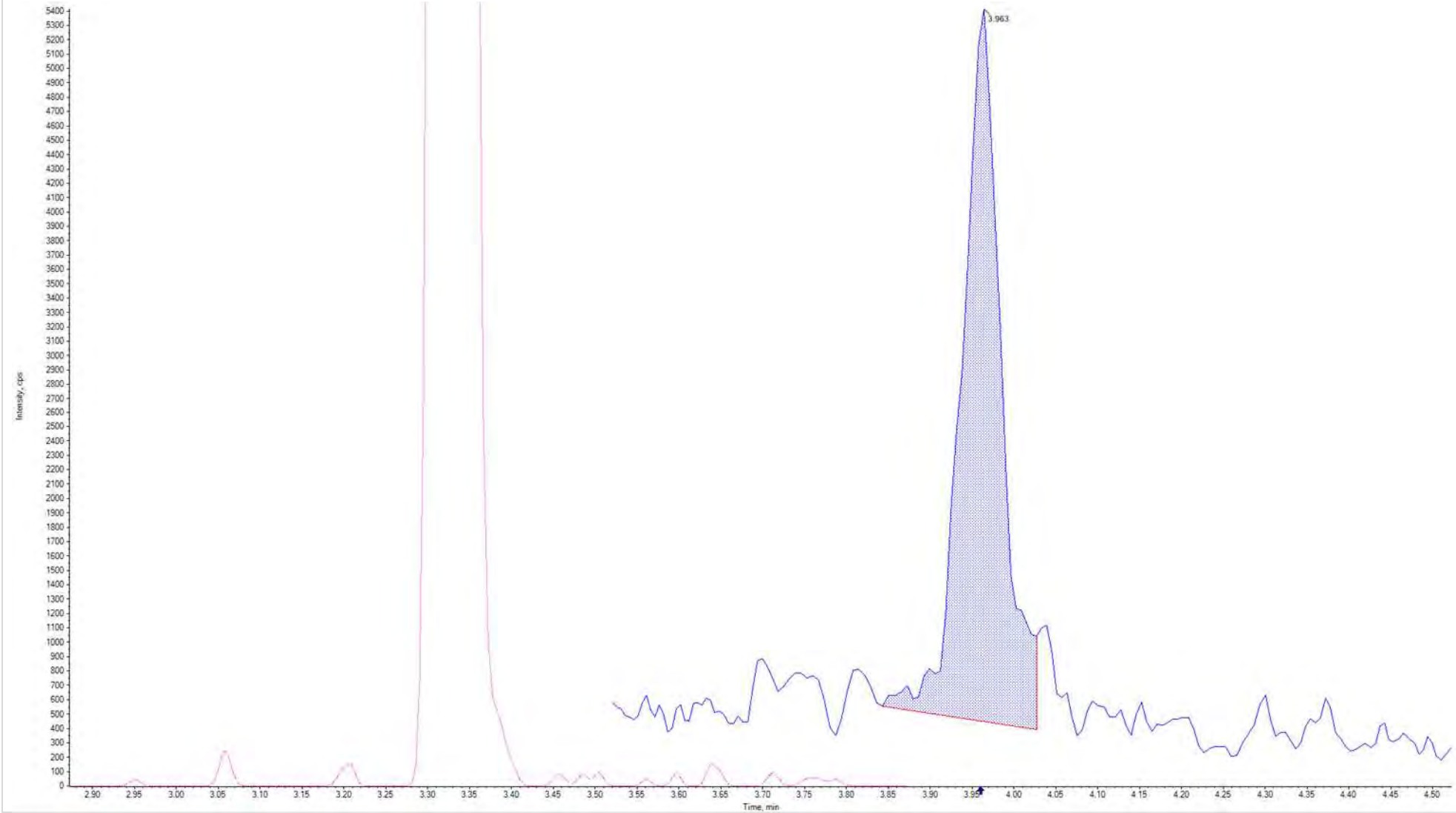
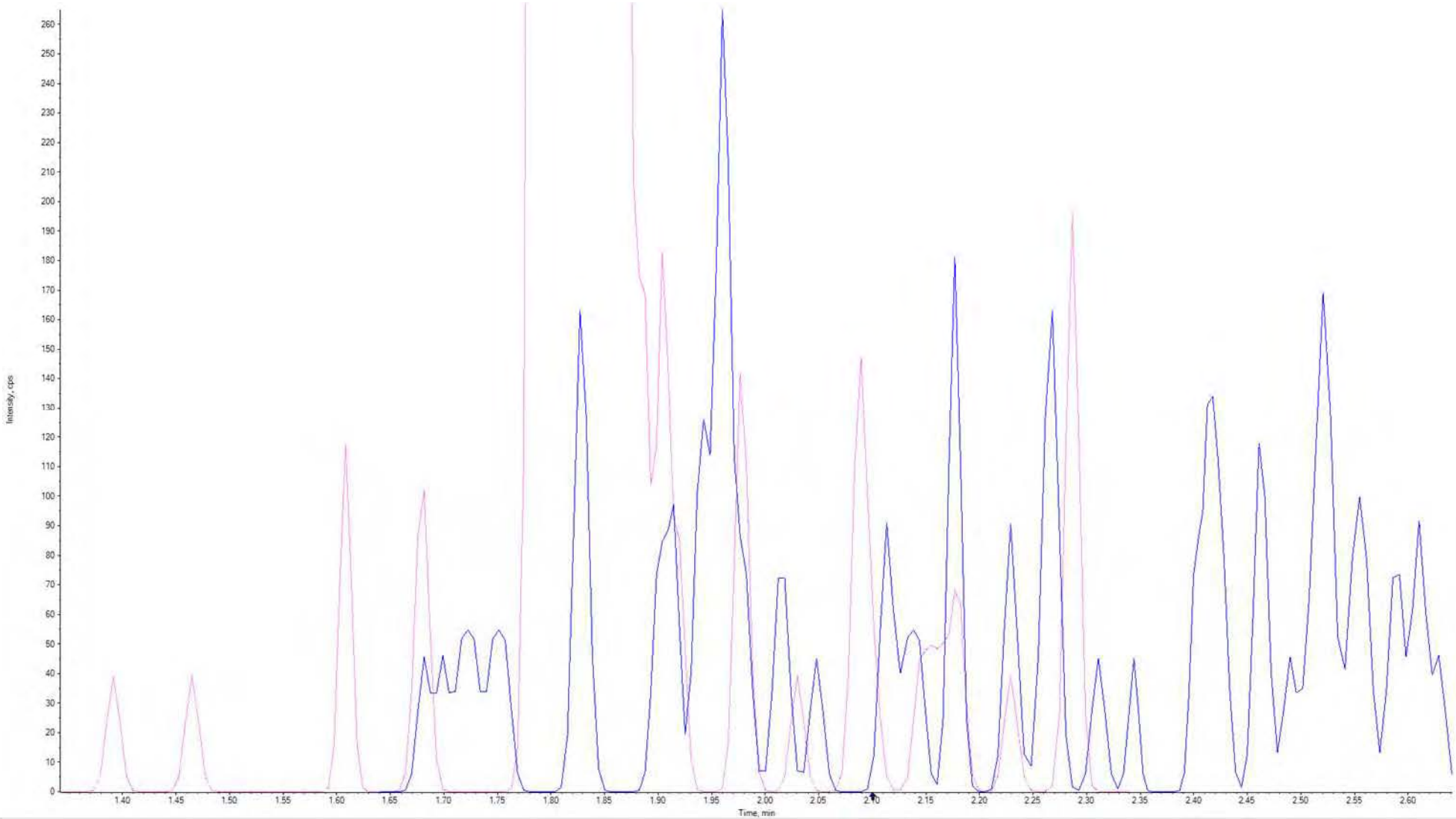
7:3FTCA_2
Sample: WG1996415-2,INSTBLNK S/N:129.7 Points Across peak:29



PFEESA
Sample: WG1996415-2,INSTBLNK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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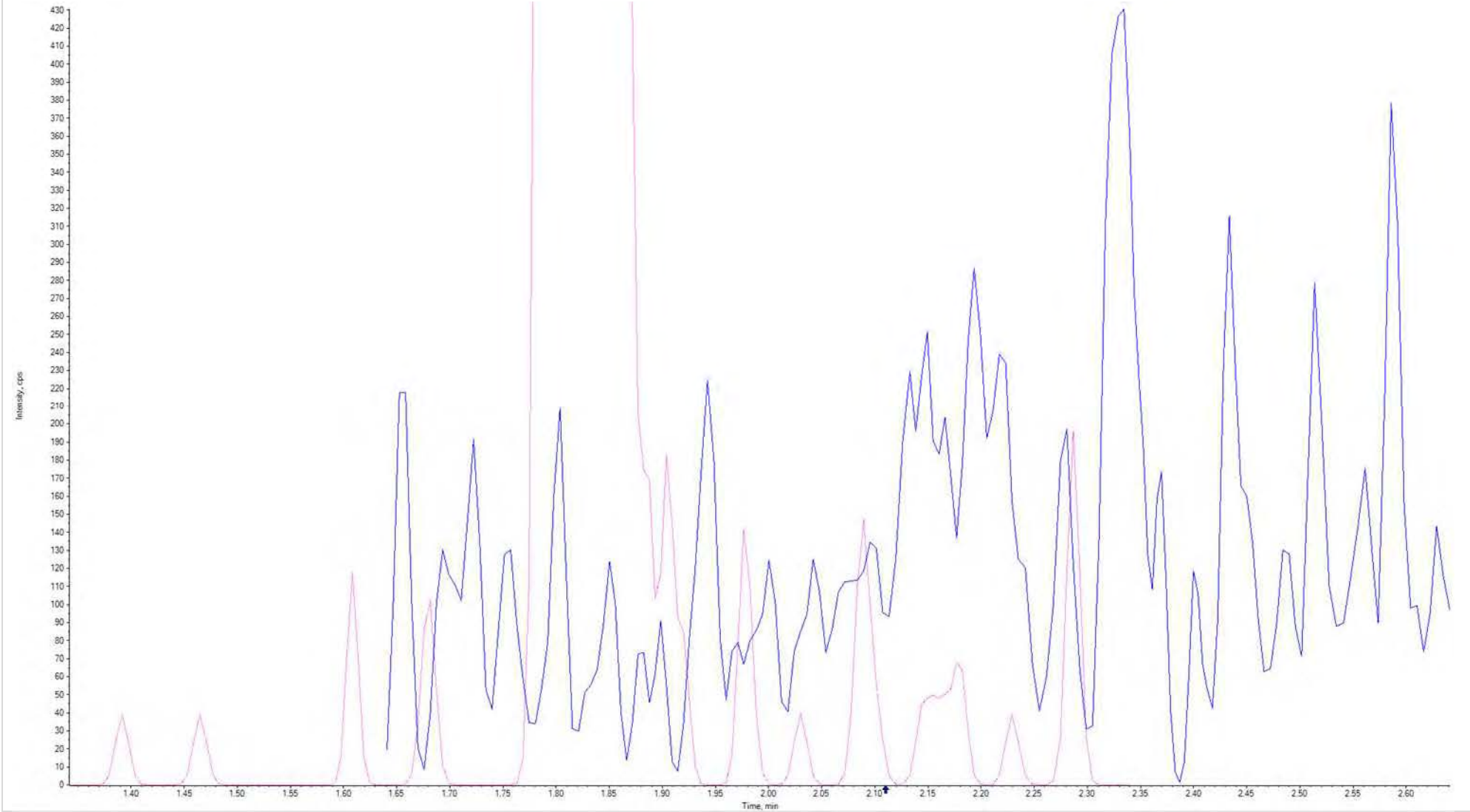
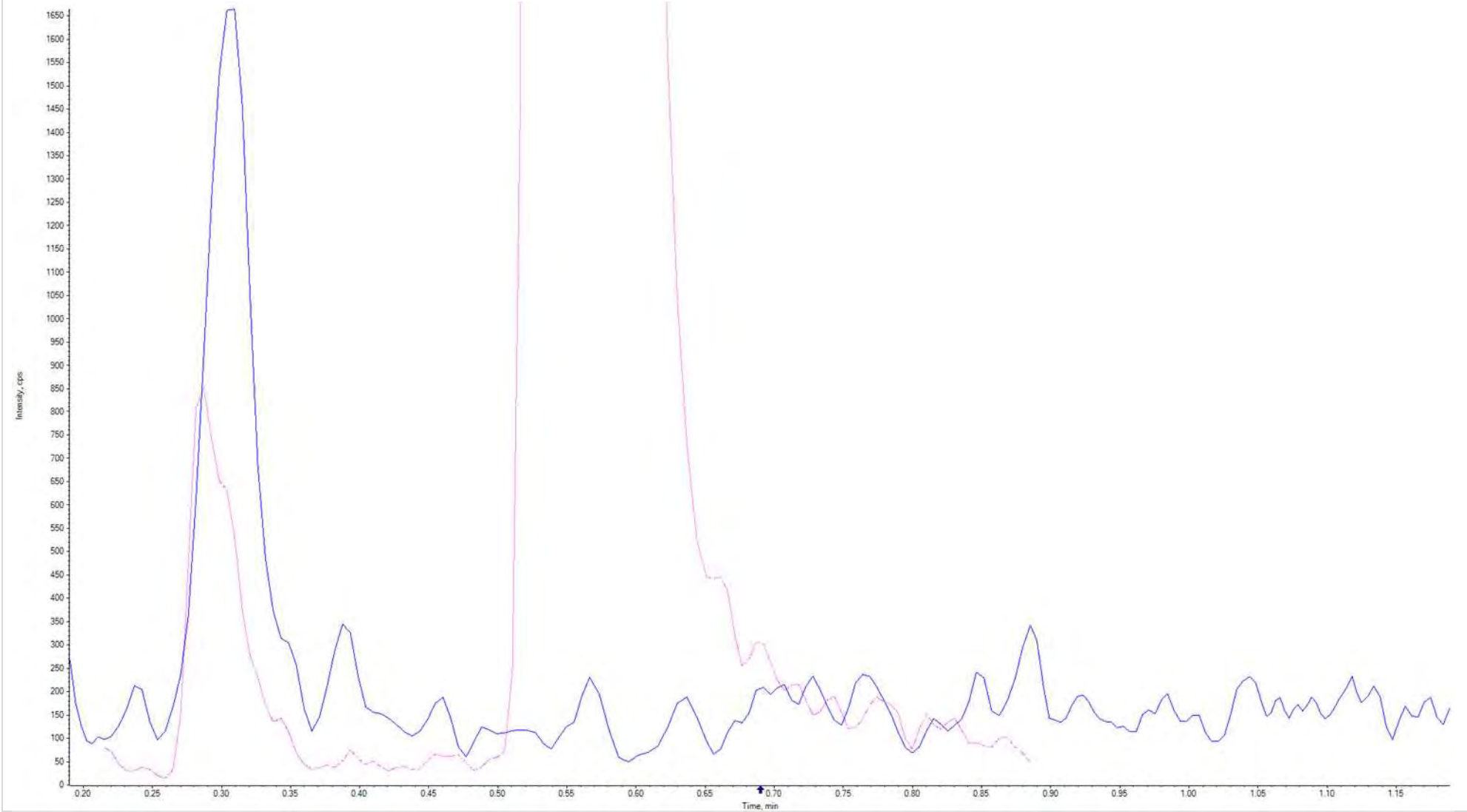
PFEESA_2
Sample: WG1996415-2,INSTBLNK S/N:N/A Points Across peak:N/A



PFMPA
Sample: WG1996415-2,INSTBLNK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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PFMBA
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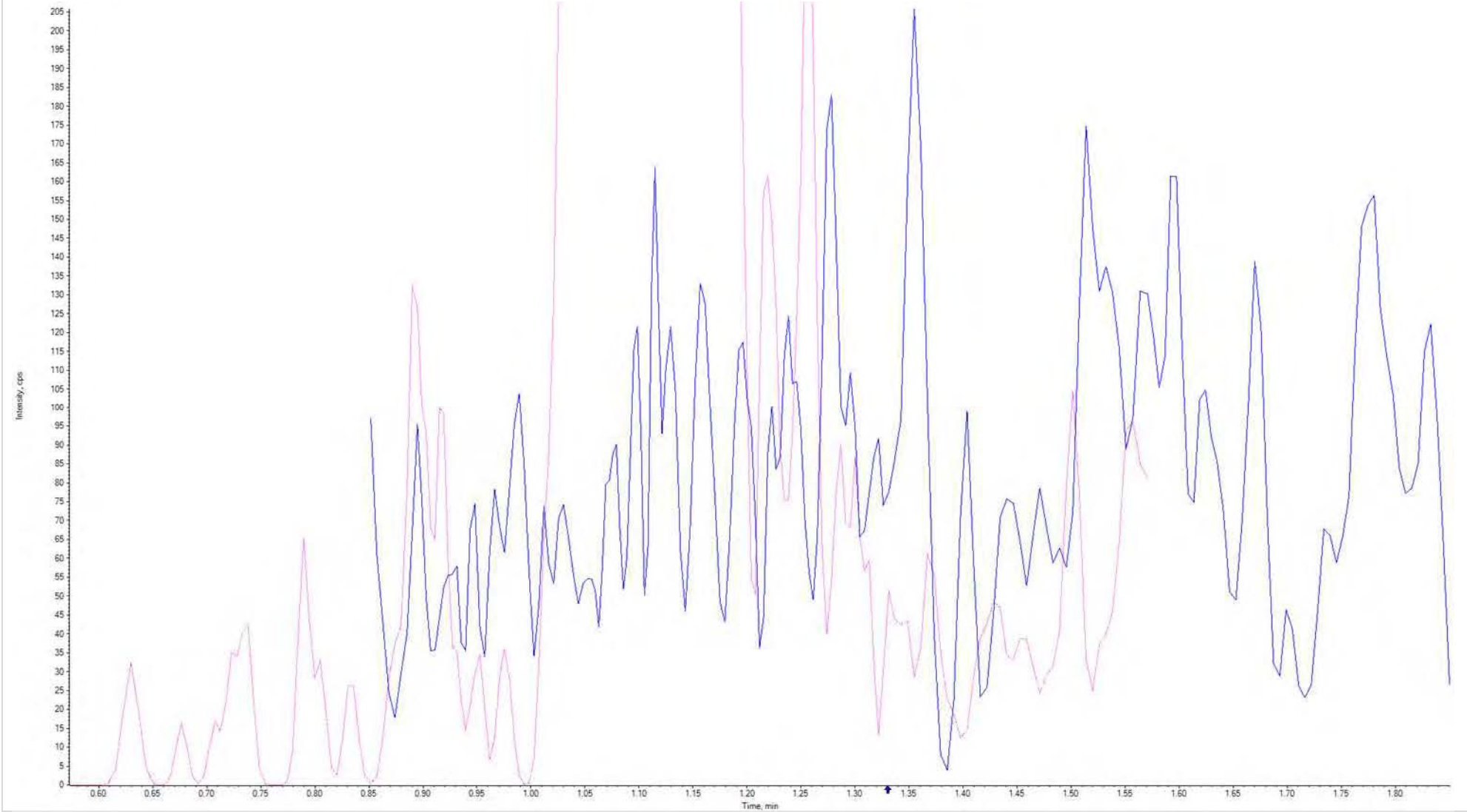
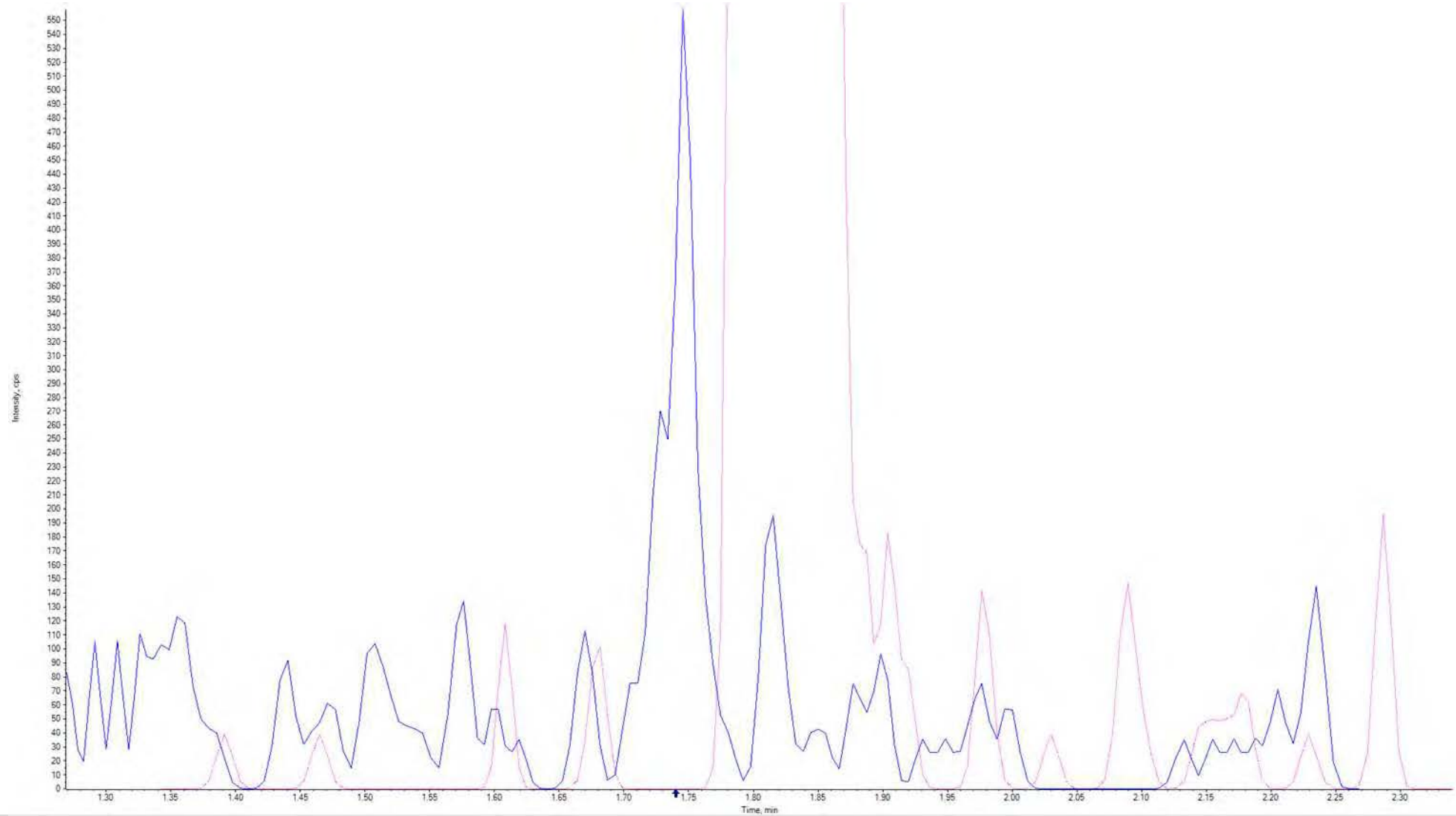


NFDHA
Sample: WG1996415-2,INSTBLNK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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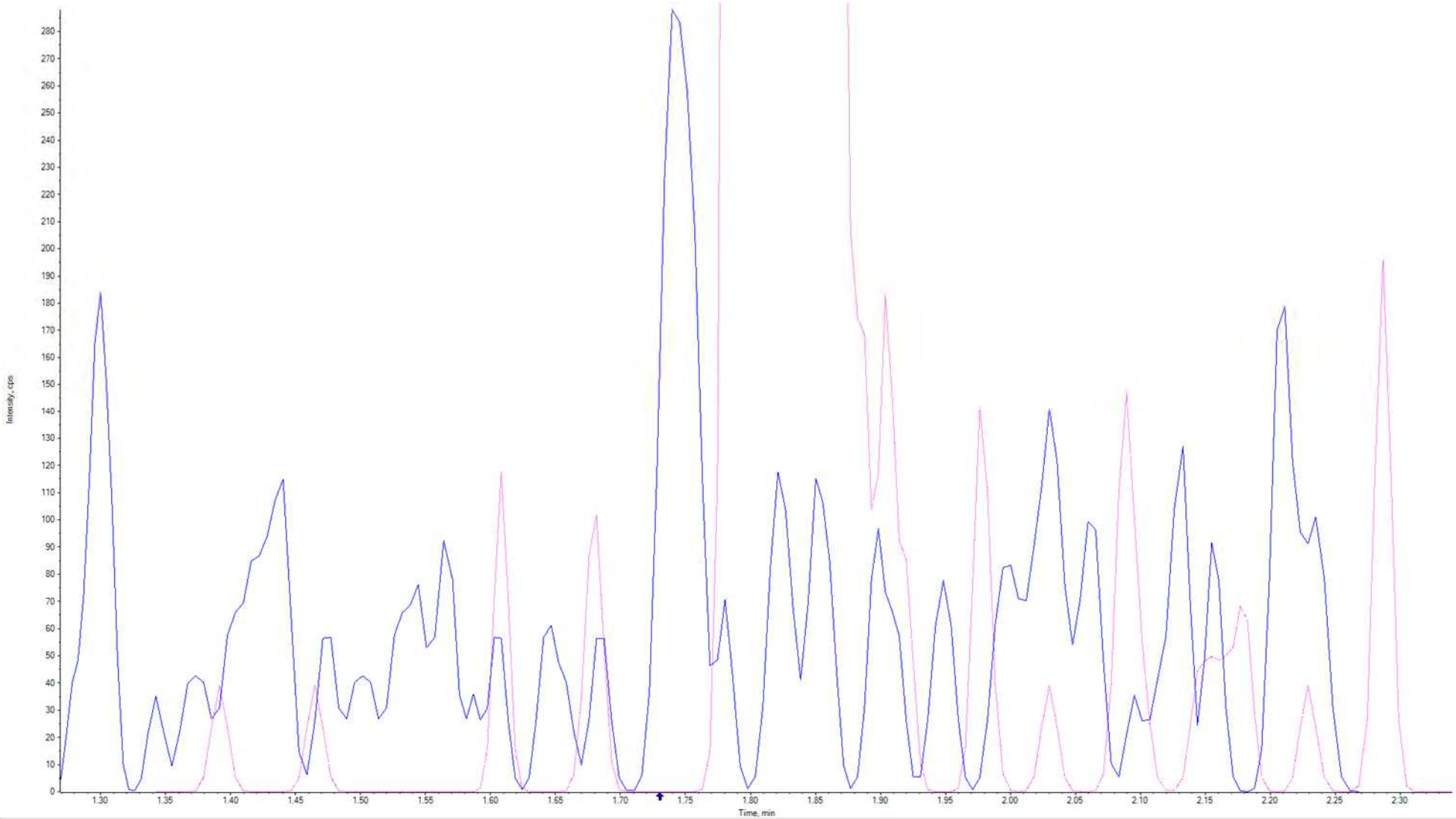
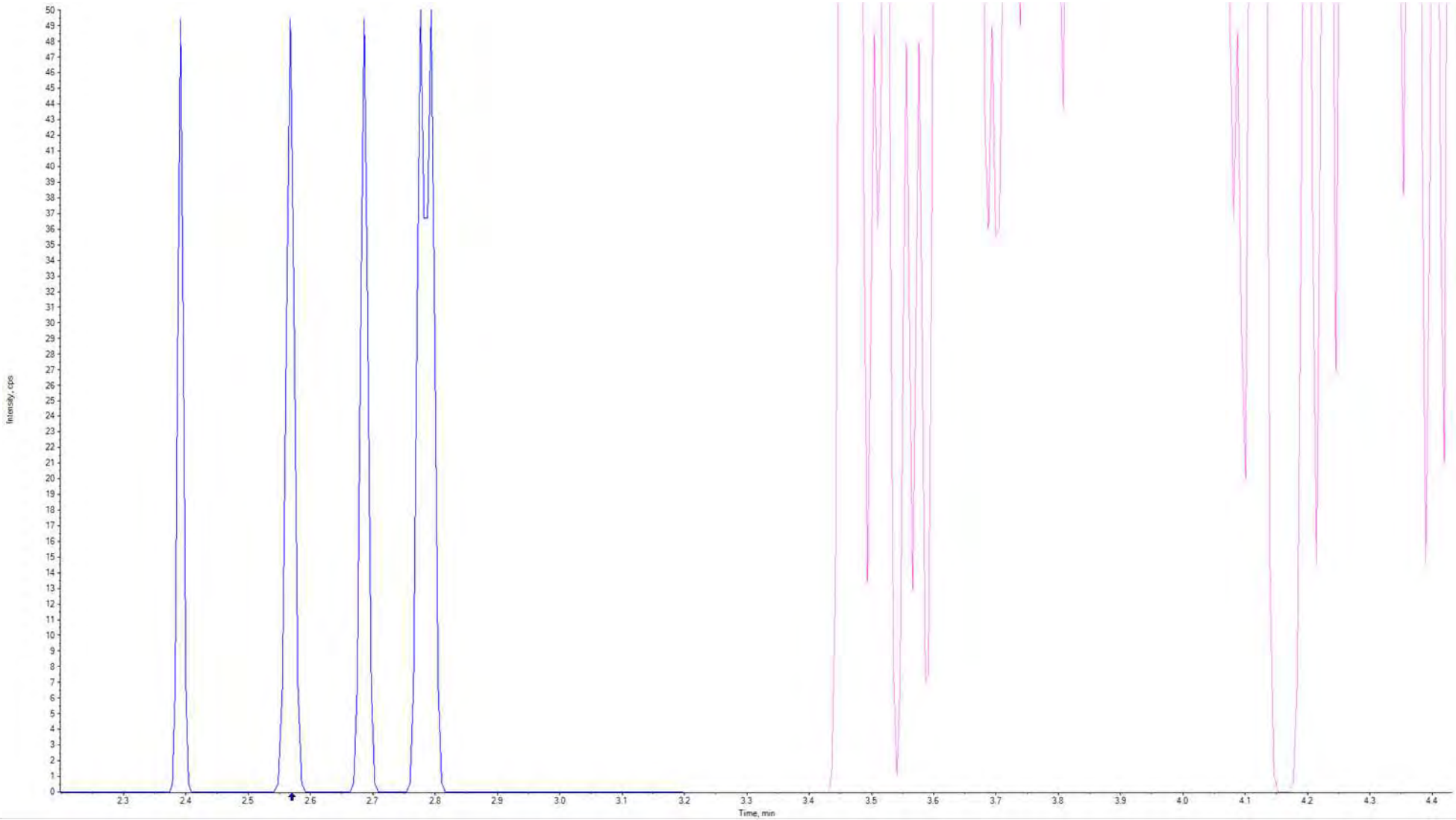
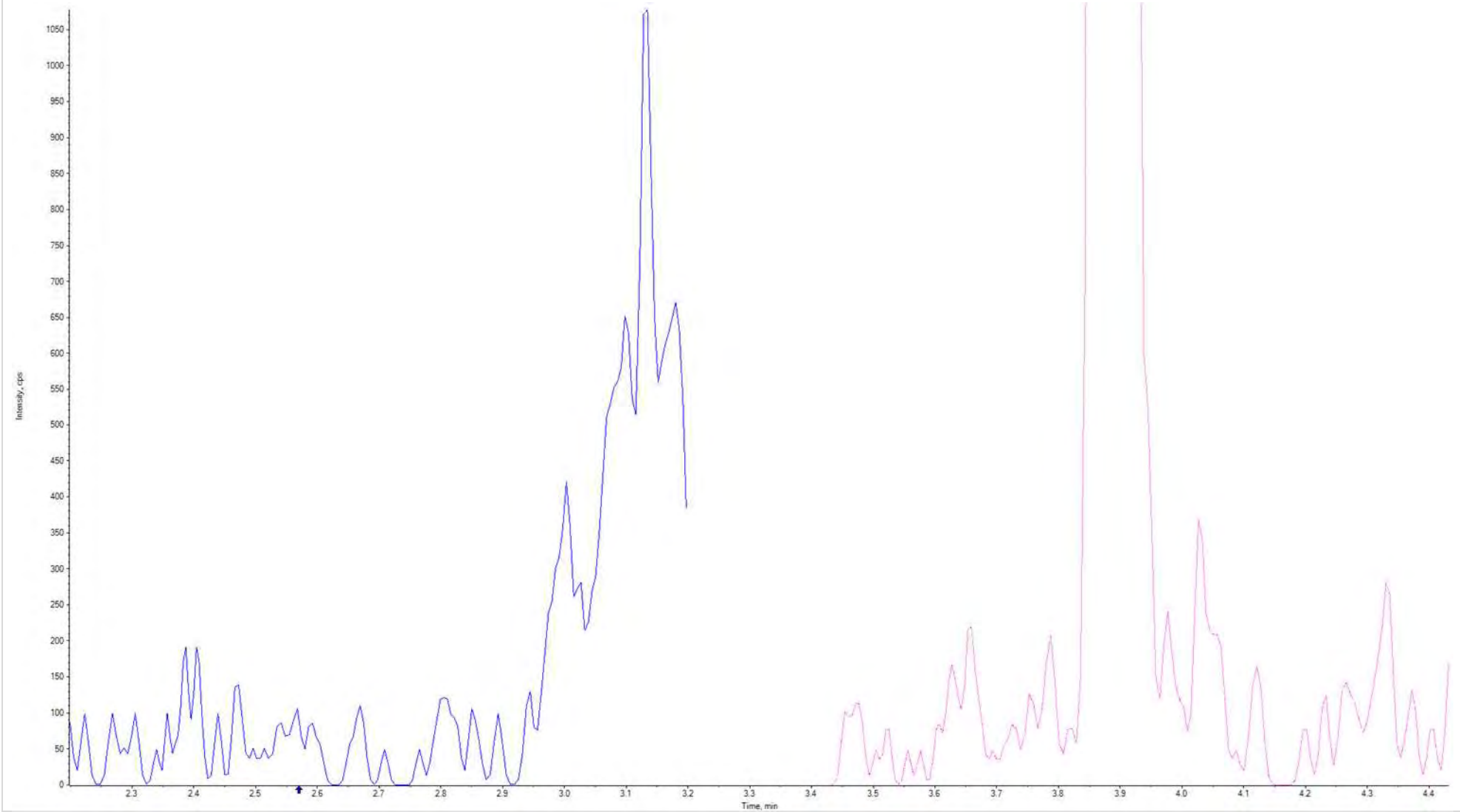
NFDHA_2
Sample: WG1996415-2,INSTBLNK S/N:N/A Points Across peak:N/A



TDCA
Sample: WG1996415-2,INSTBLNK S/N:N/A Points Across peak:N/A



TDCA_2
Sample: WG1996415-2,INSTBLNK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/12/2024 3:33:13 PM
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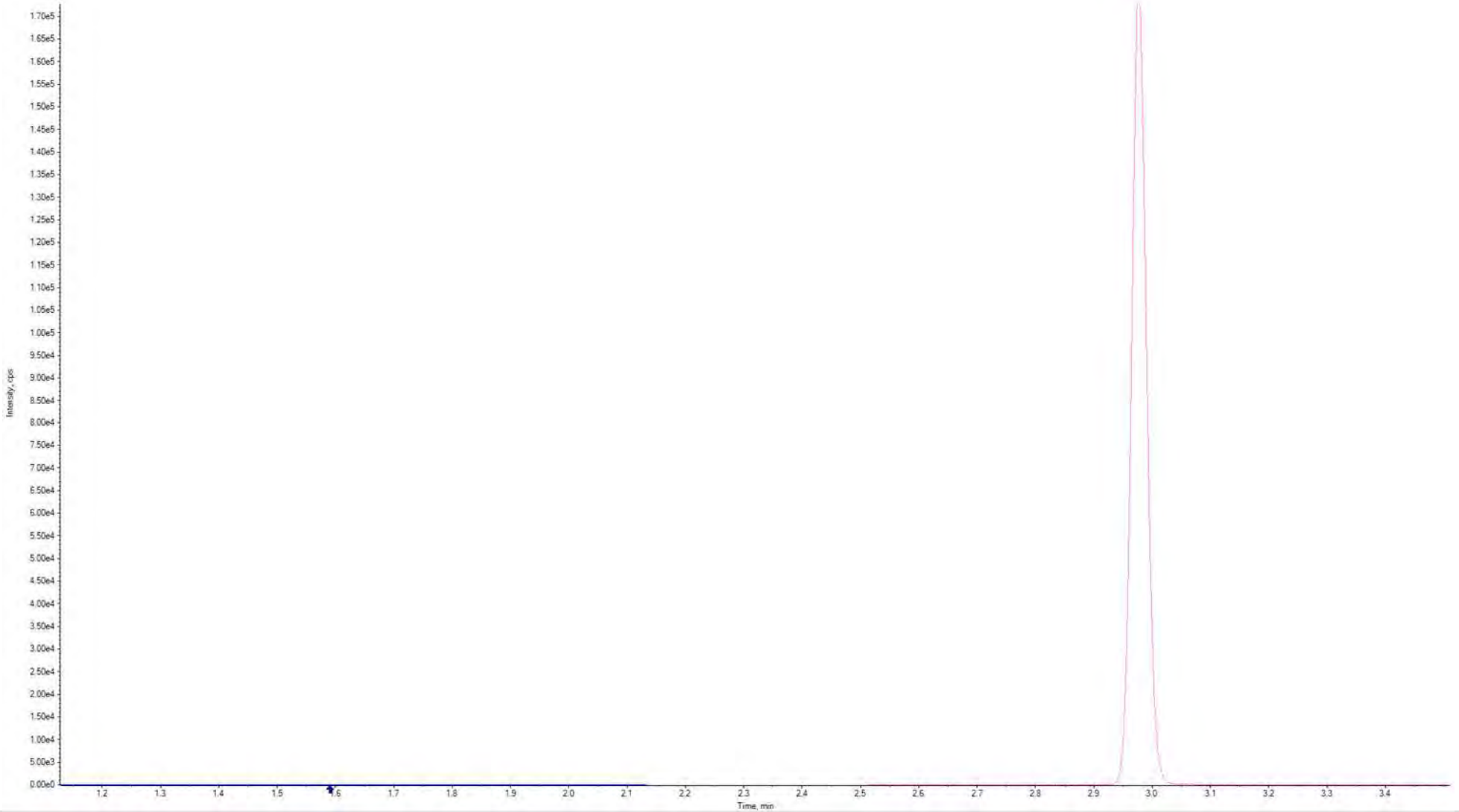
13C2D4-4:2FTS
Sample: WG1996415-2,INSTBLNK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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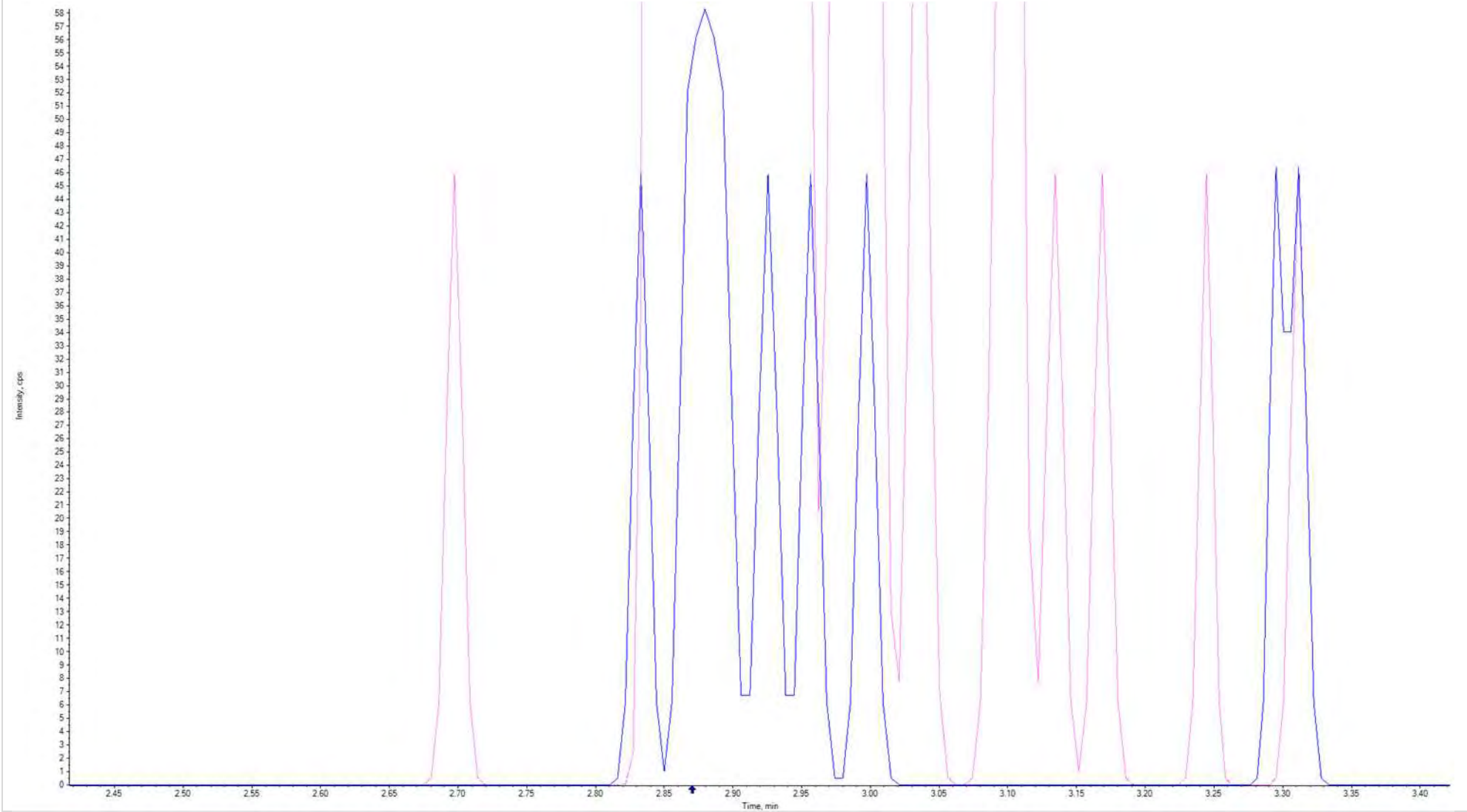
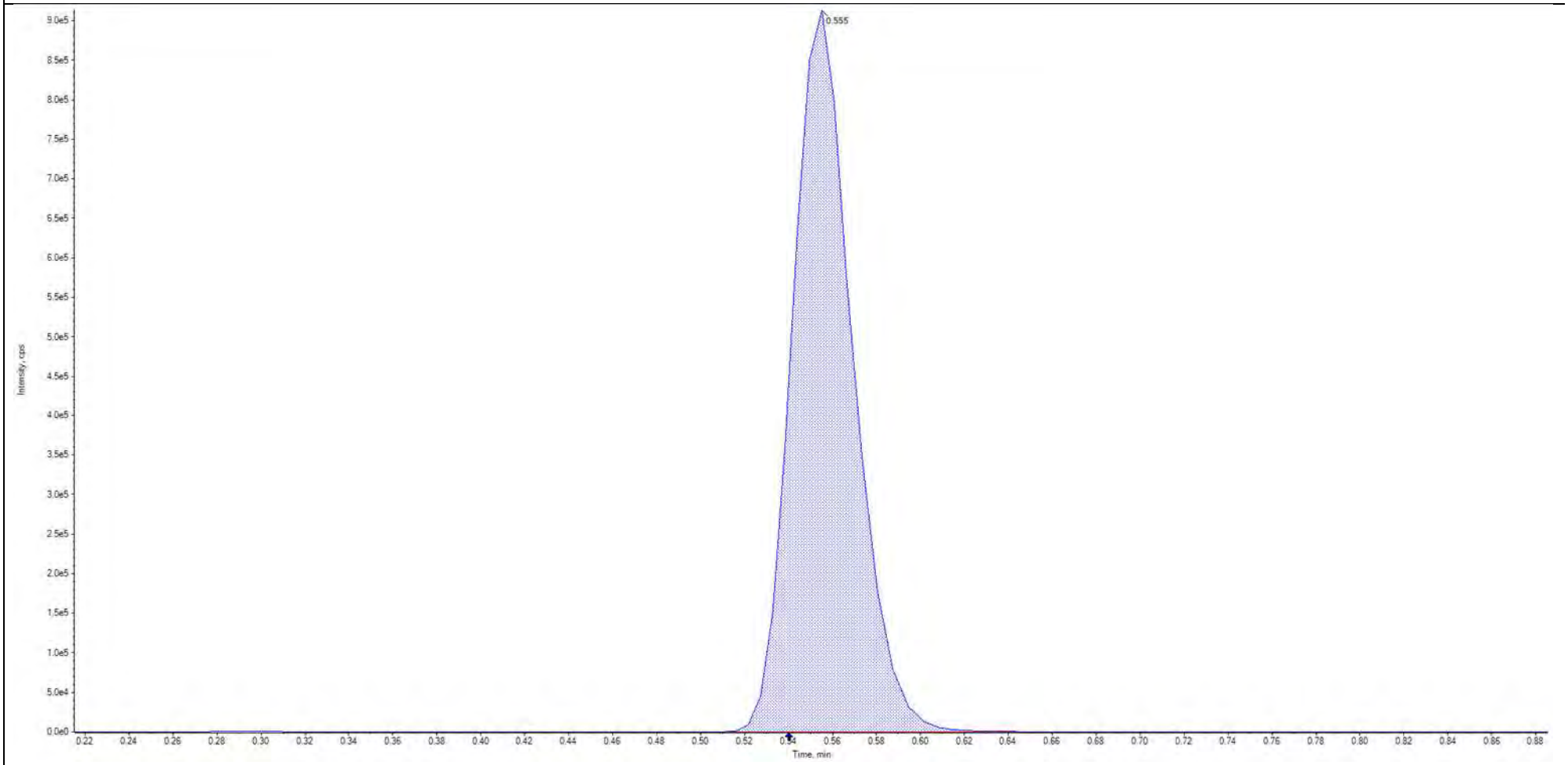
Last Altered: 11/12/2024 3:33:13 PM
Generated: 11/12/2024 3:31:45 PM

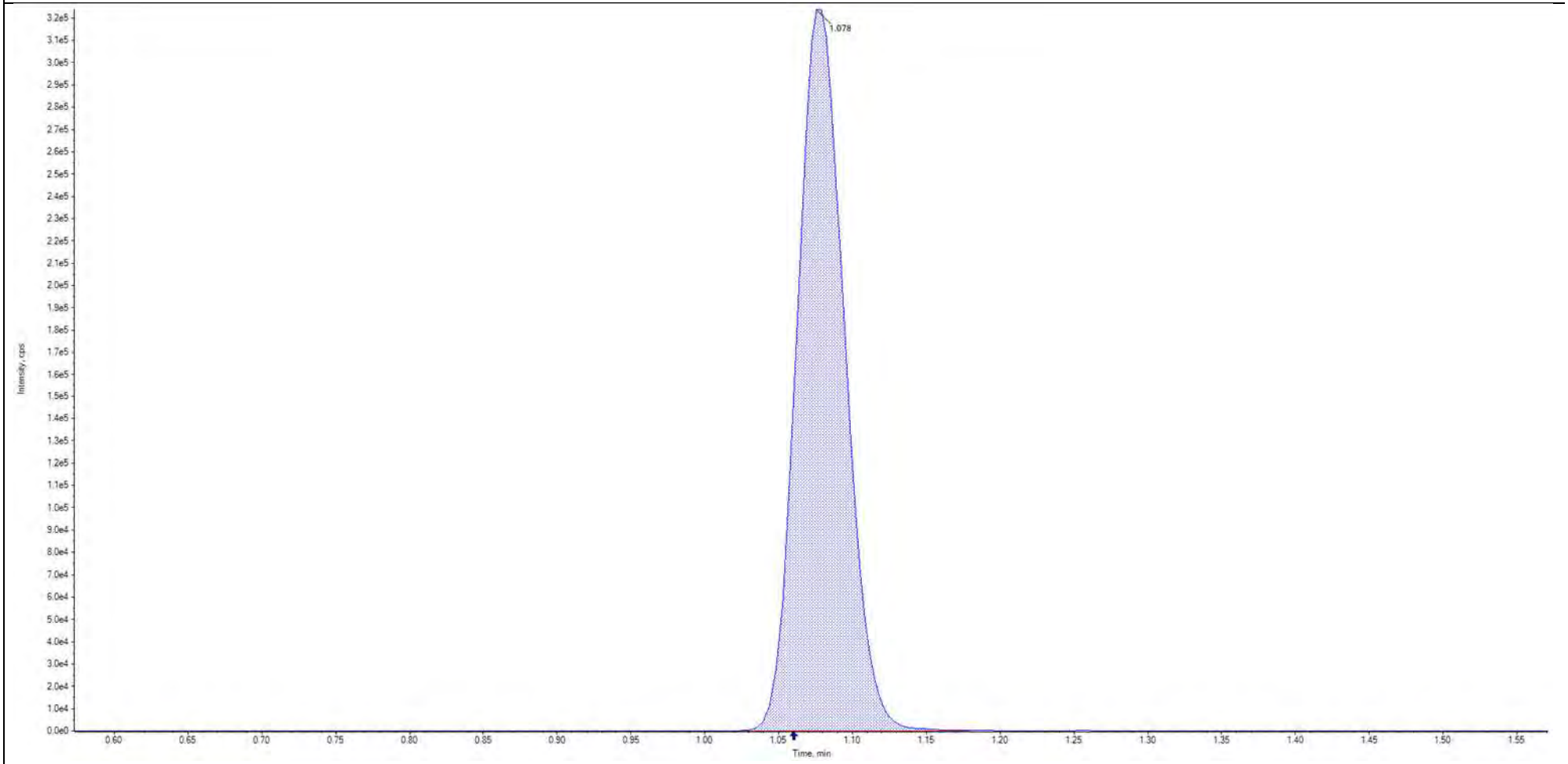
13C2-PFOA
Sample: WG1996415-2,INSTBLNK S/N:N/A Points Across peak:N/A



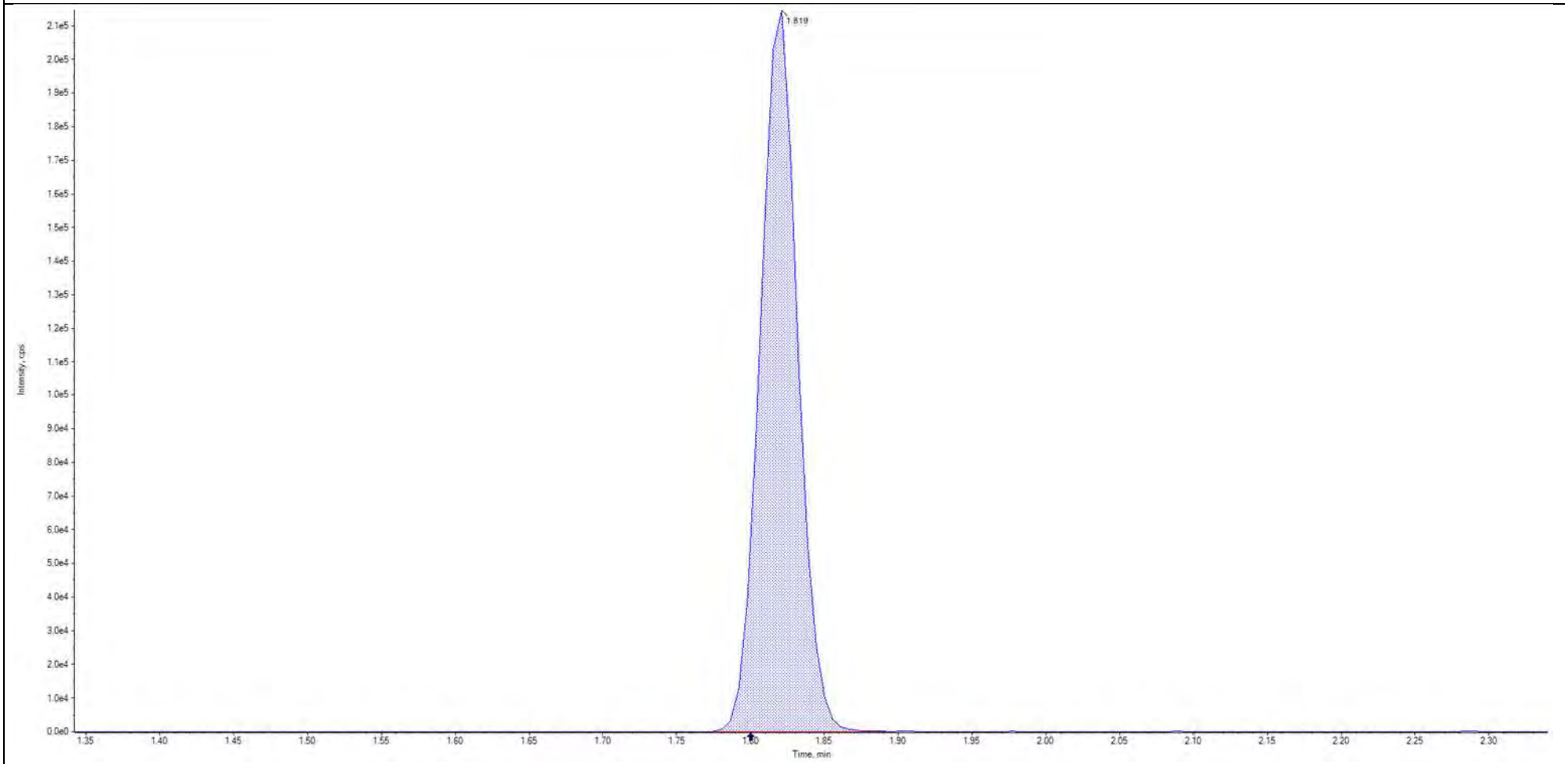
13C4-PFBA
Sample: WG1996415-2,INSTBLNK



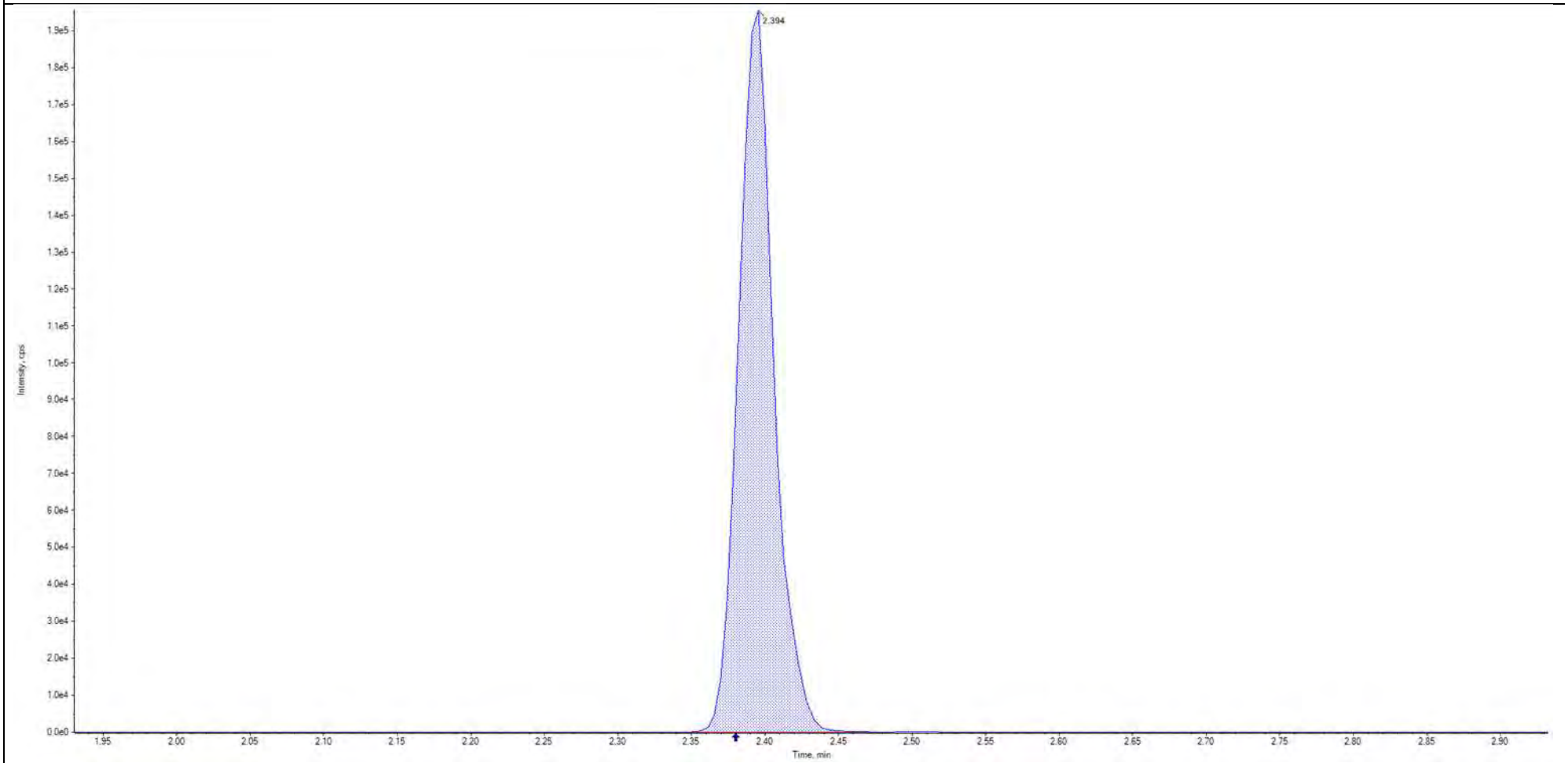
13C5-PFPeA
Sample: WG1996415-2,INSTBLNK



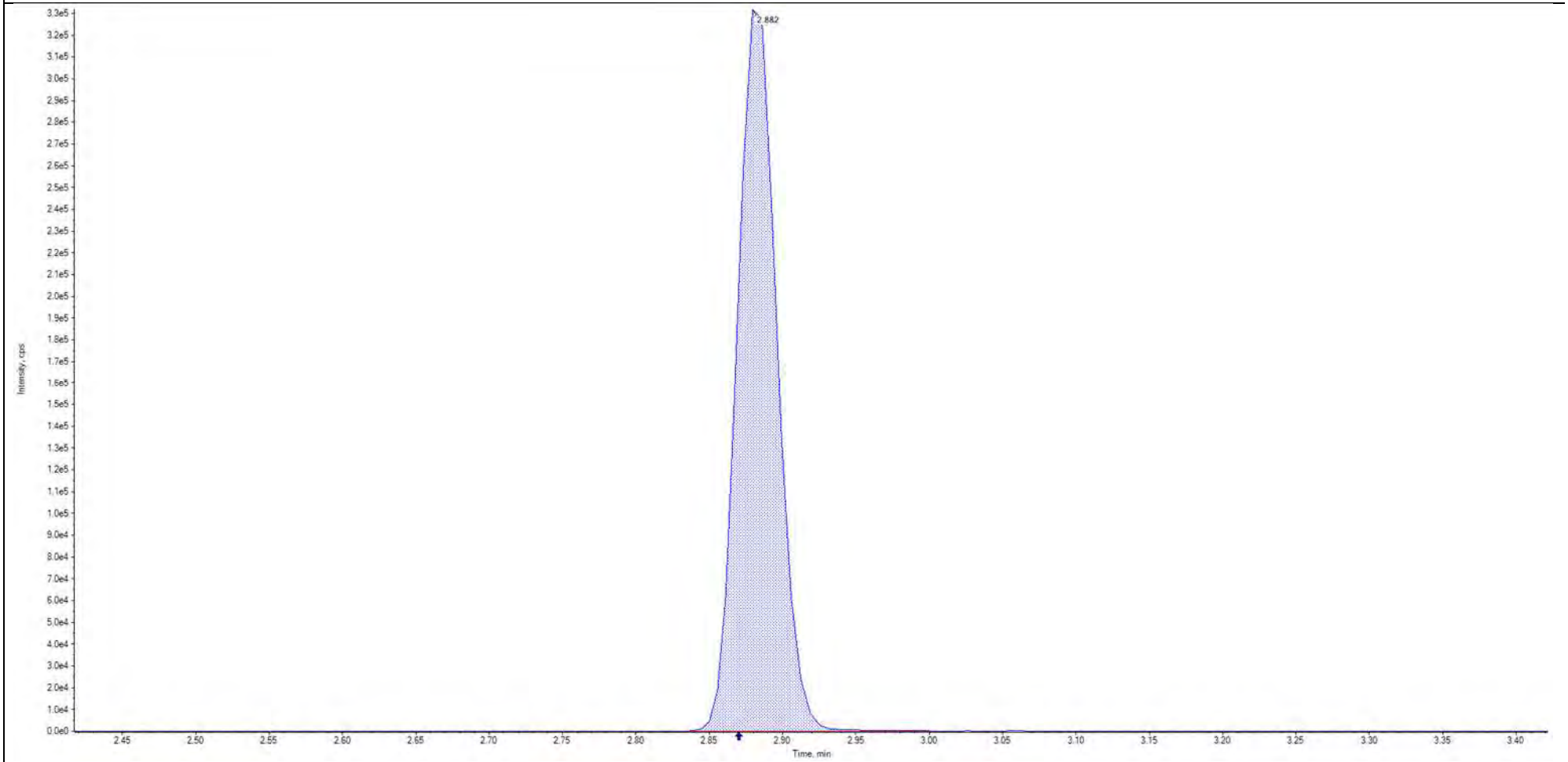
13C5-PFHxA
Sample: WG1996415-2,INSTBLNK



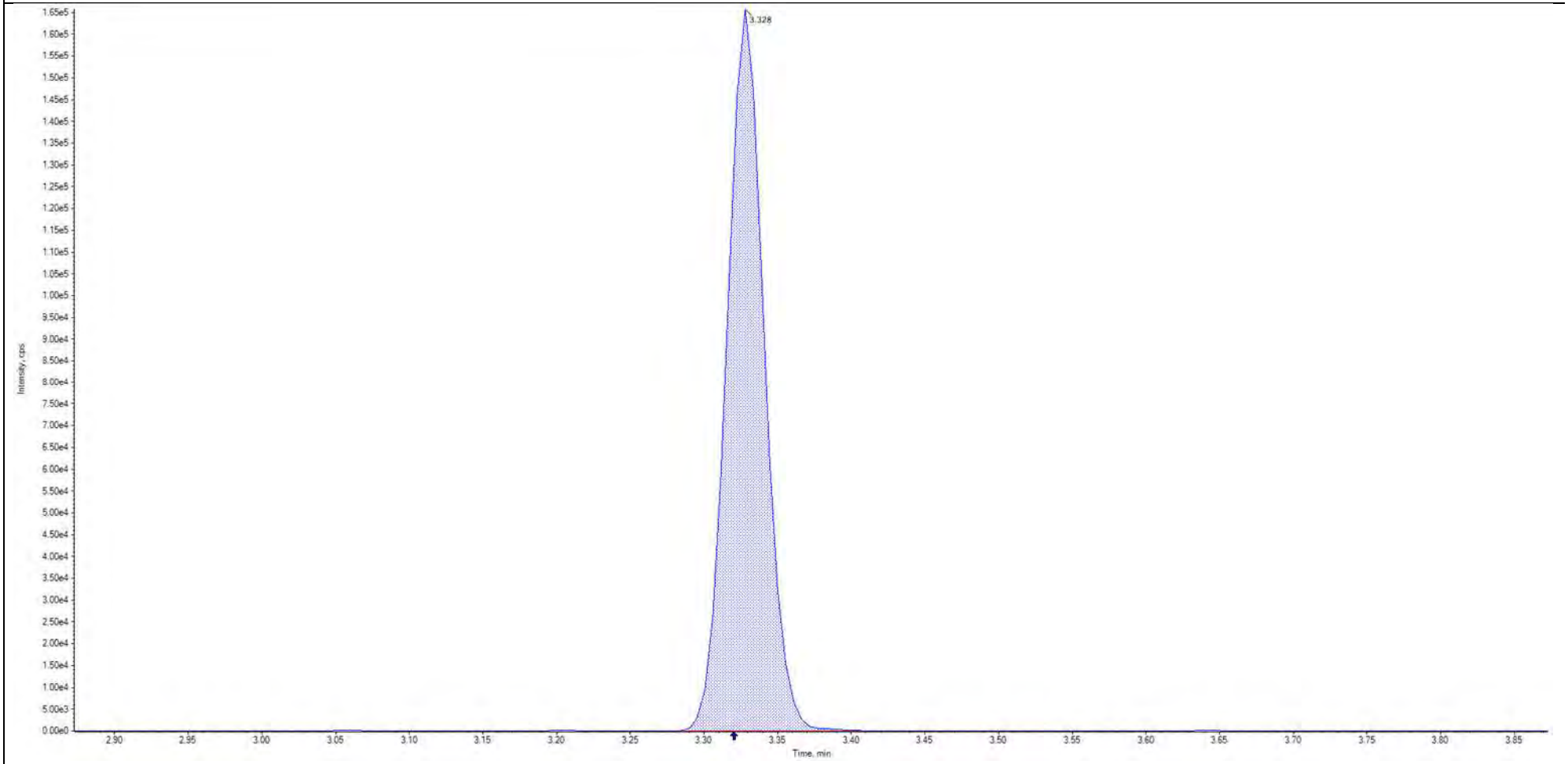
13C4-PFHpA
Sample: WG1996415-2,INSTBLNK



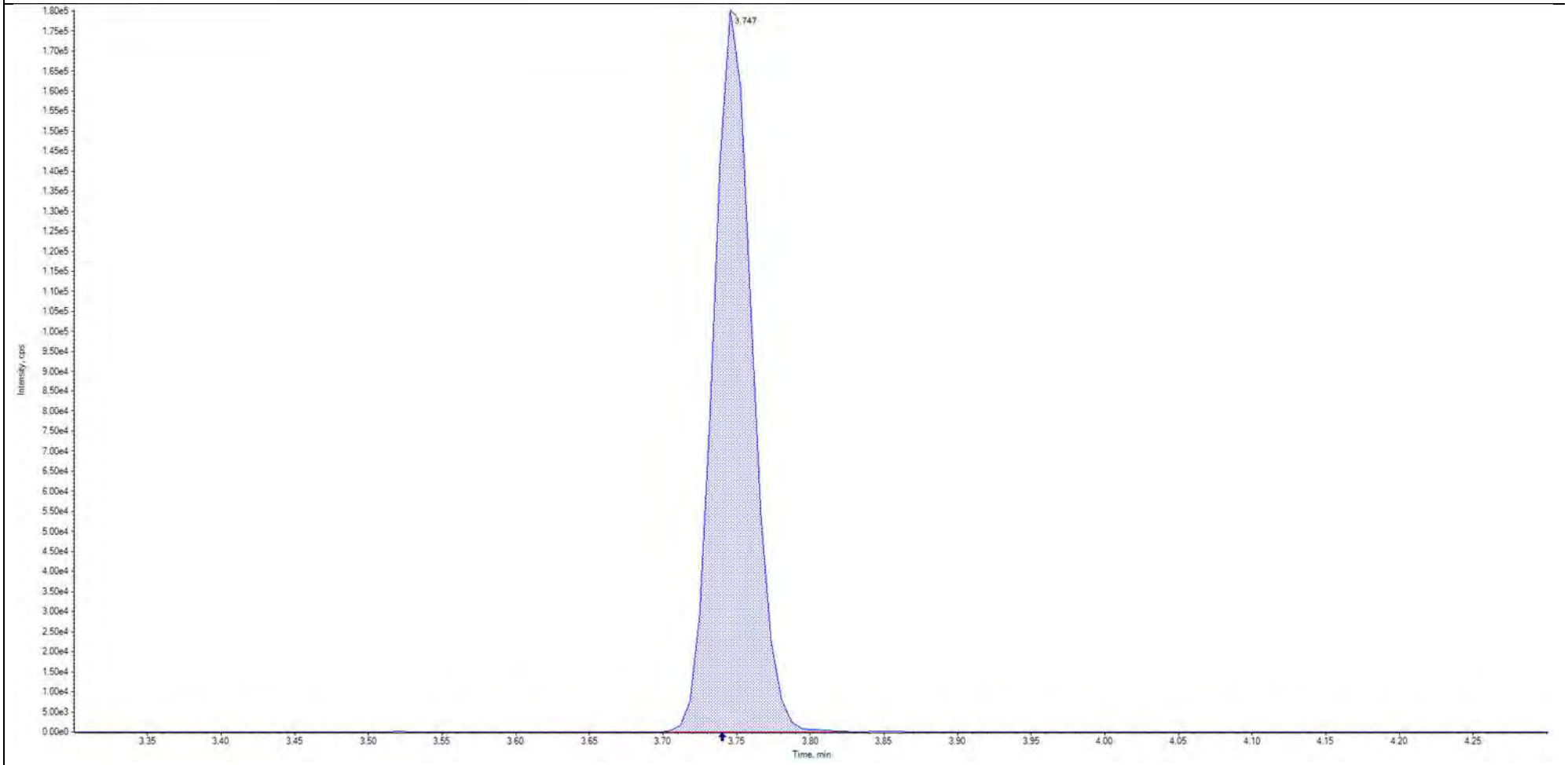
13C8-PFOA
Sample: WG1996415-2,INSTBLNK



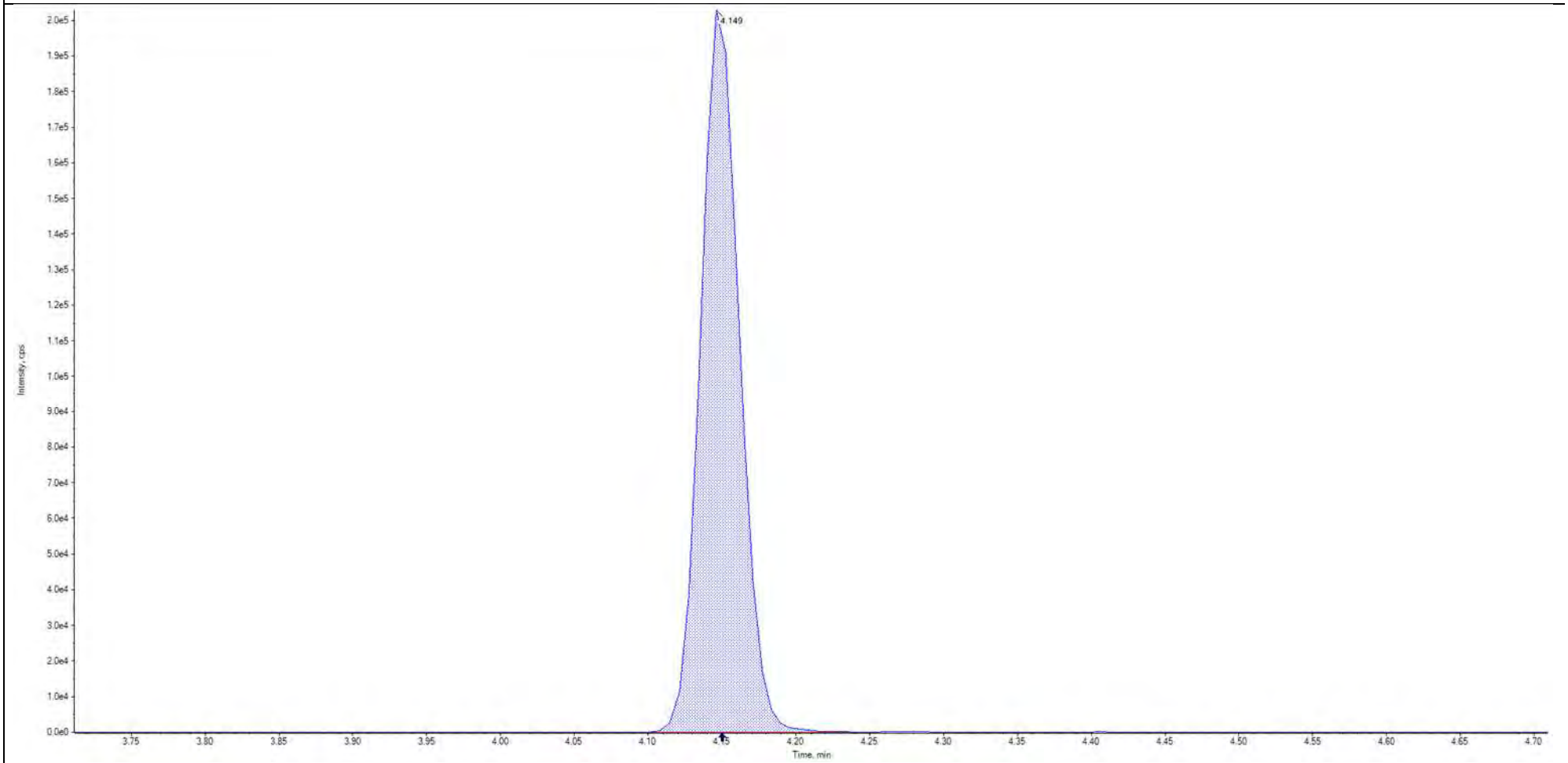
13C9-PFNA
Sample: WG1996415-2,INSTBLNK



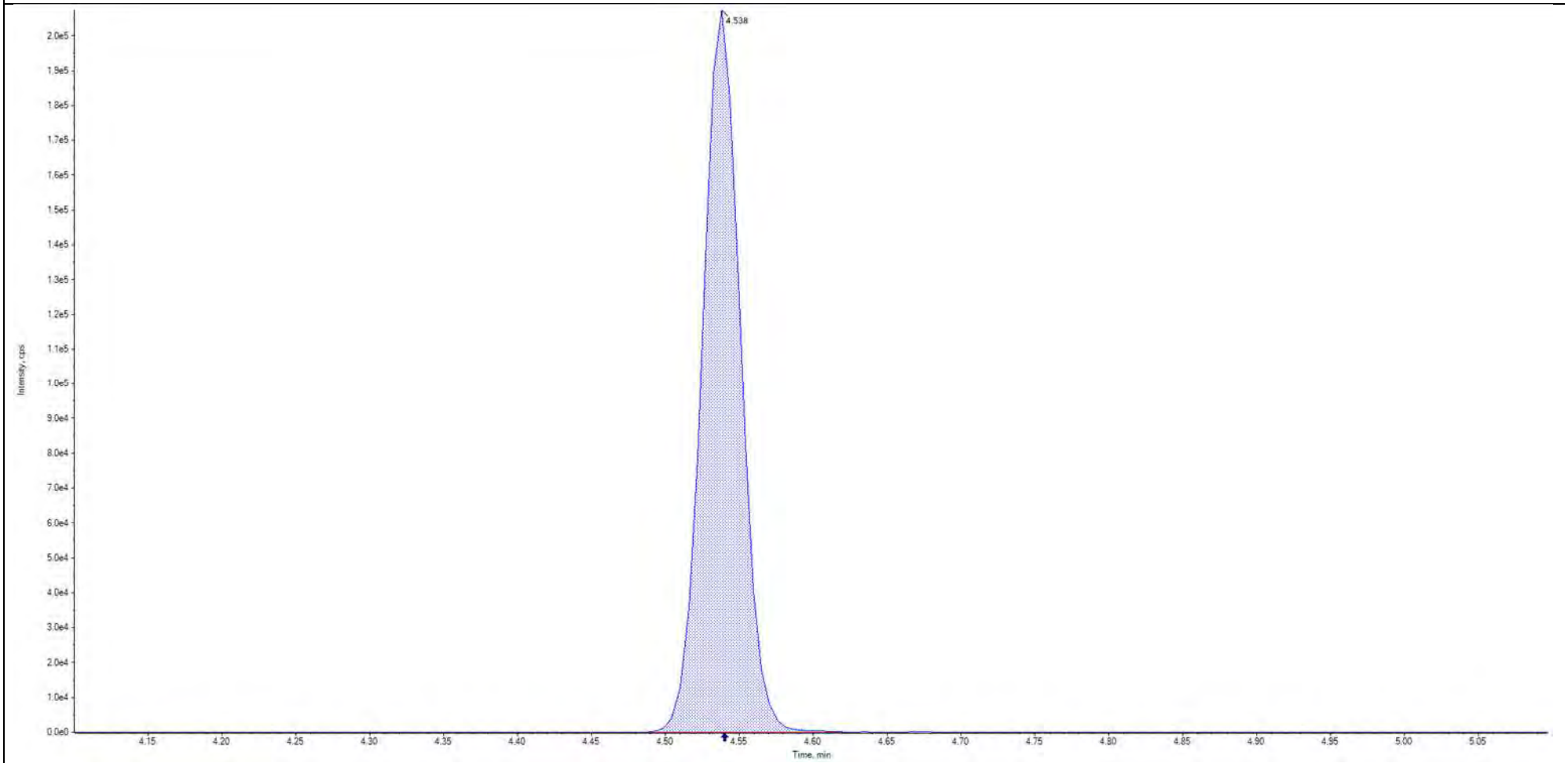
13C6-PFDA
Sample: WG1996415-2,INSTBLNK



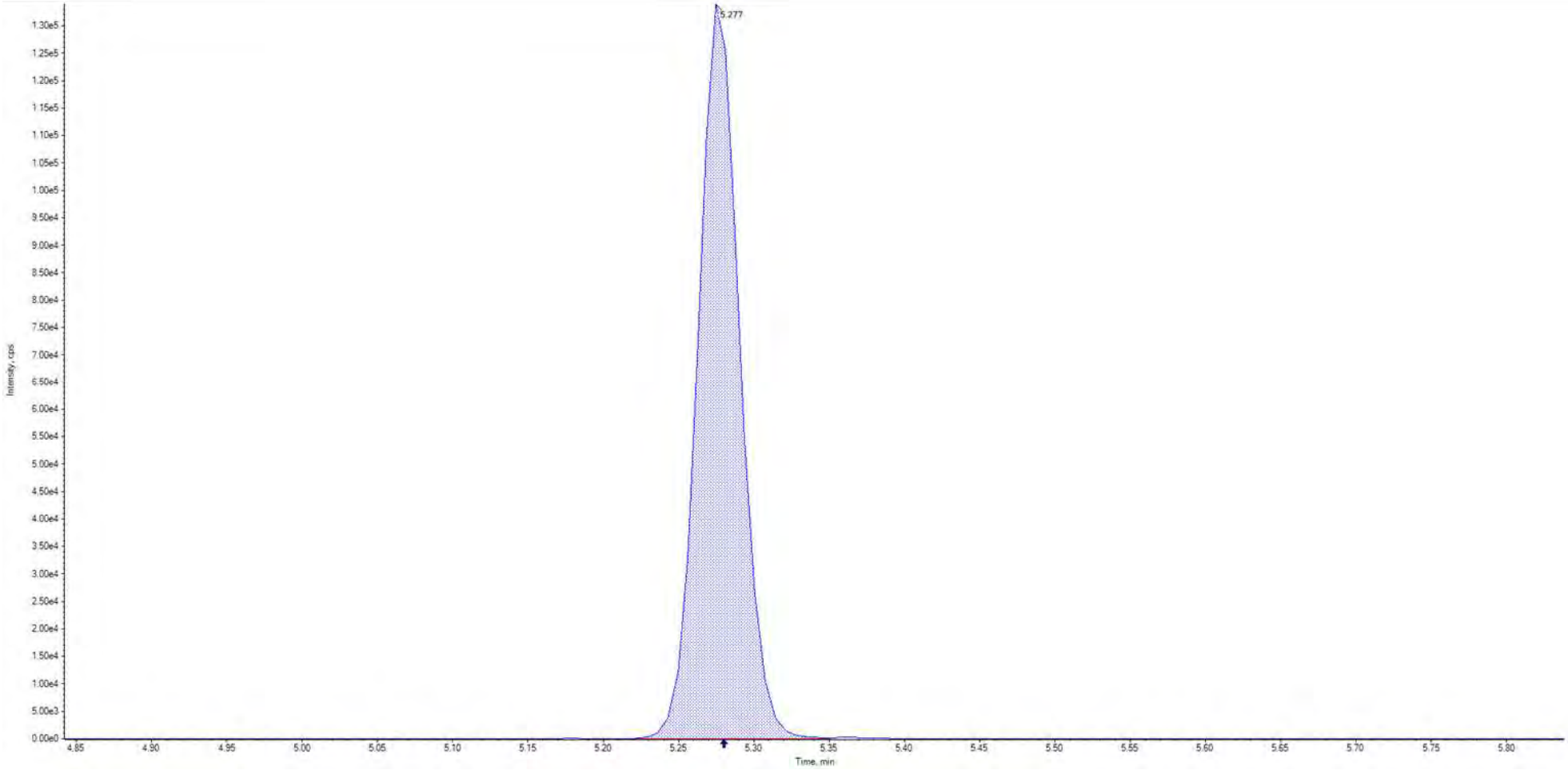
13C7-PFUnA
Sample: WG1996415-2,INSTBLNK



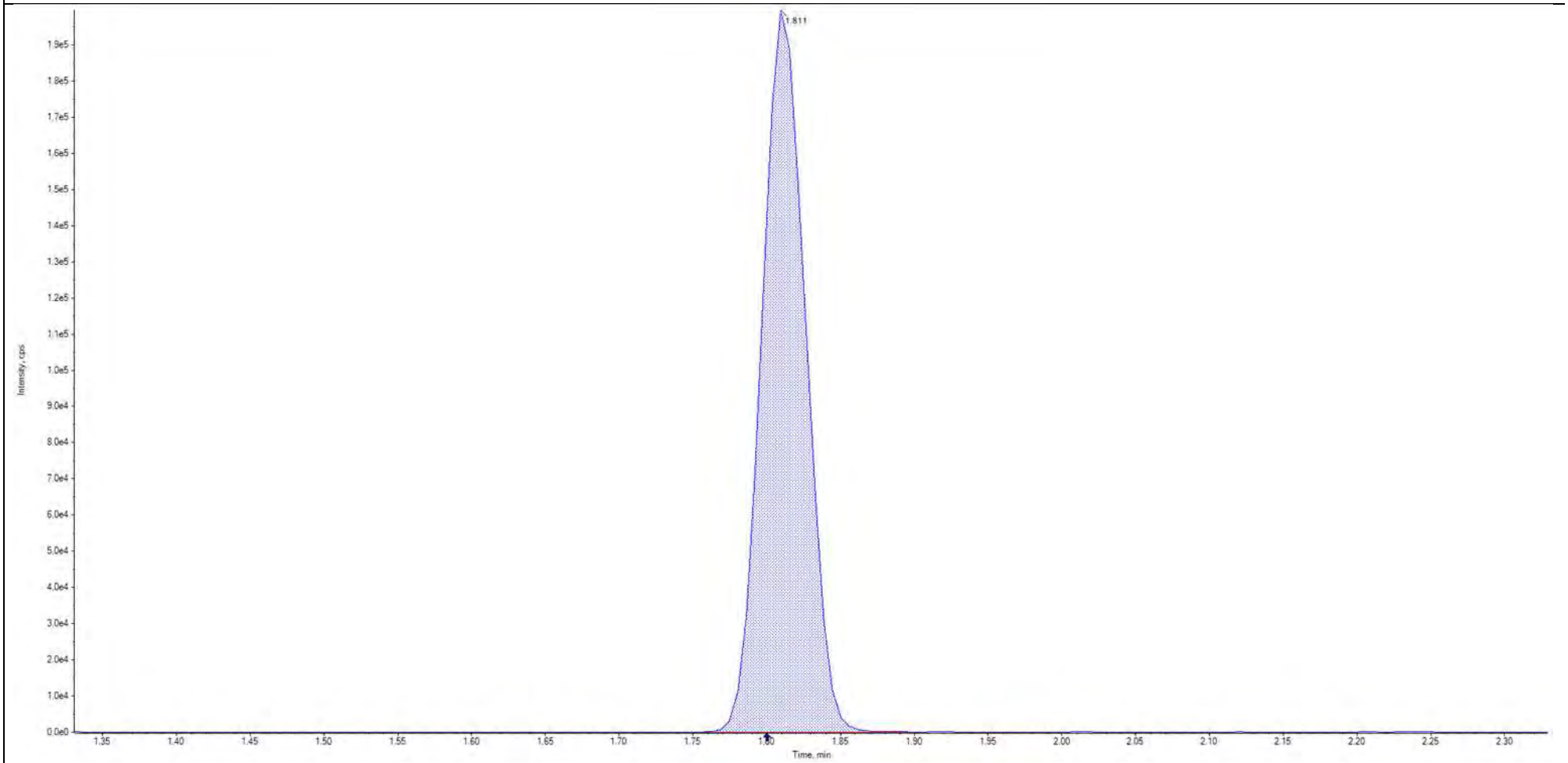
13C2-PFDoA
Sample: WG1996415-2,INSTBLNK



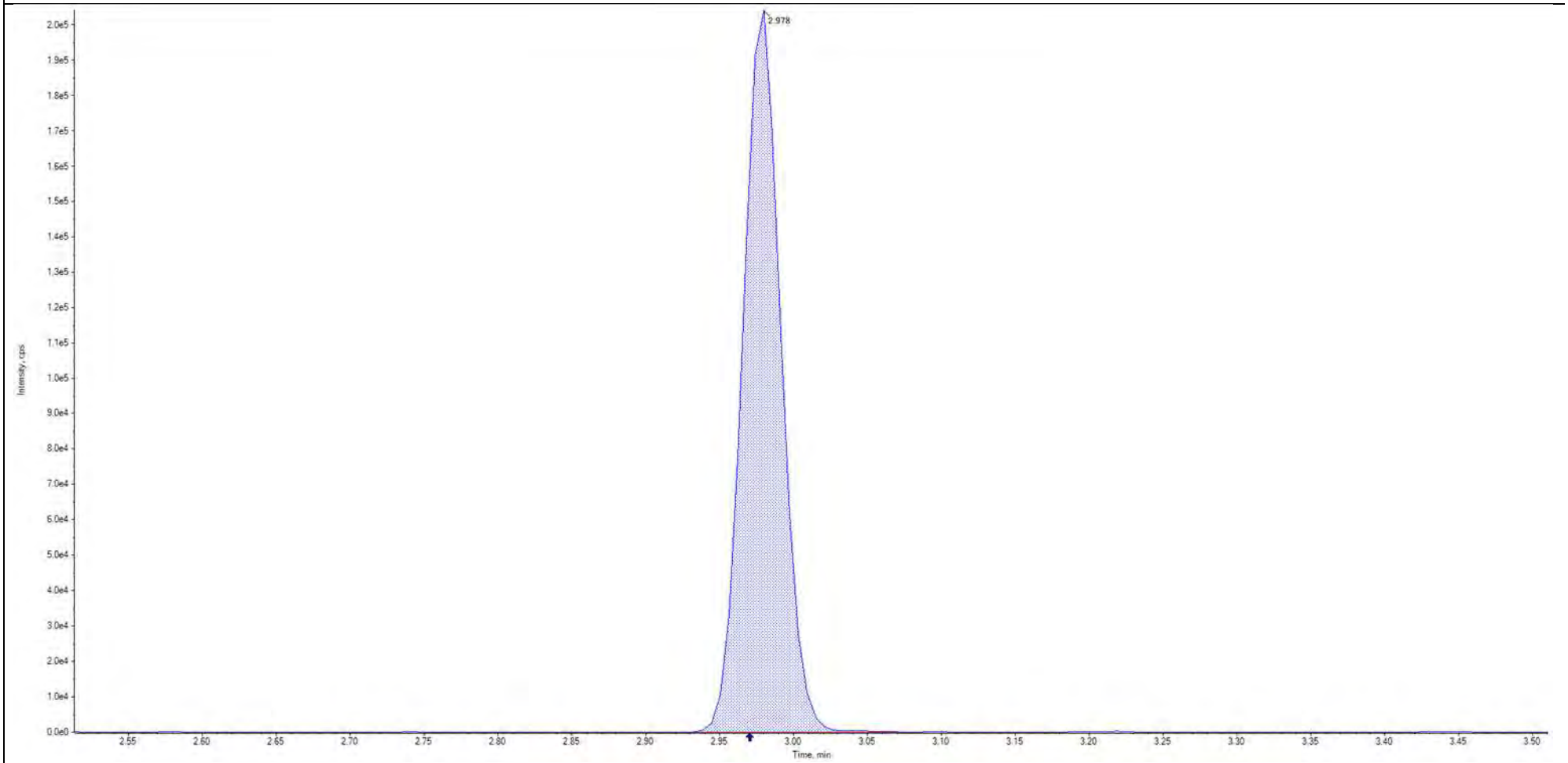
13C2-PFTeDA
Sample: WG1996415-2,INSTBLNK



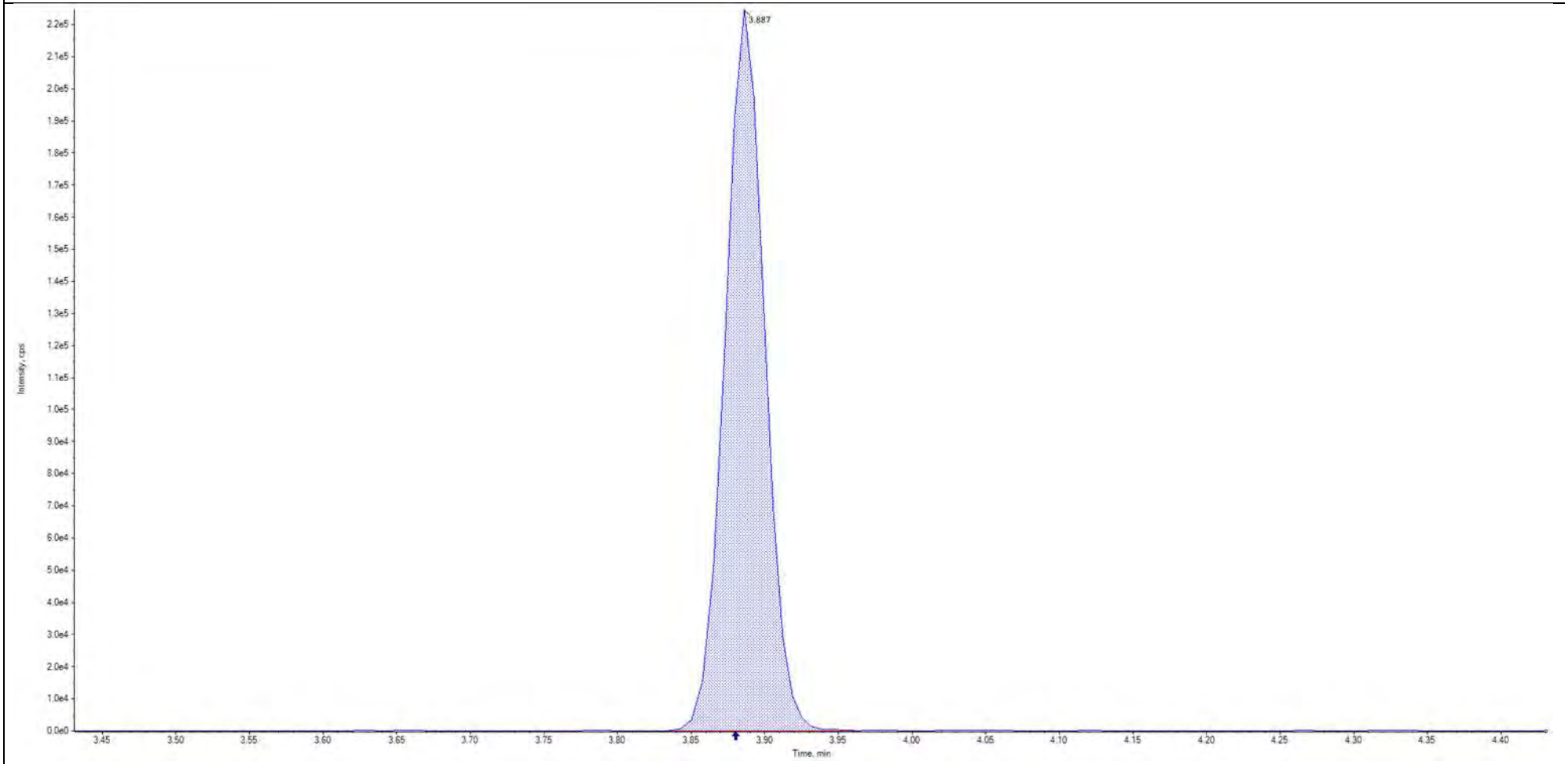
13C3-PFBS
Sample: WG1996415-2,INSTBLNK



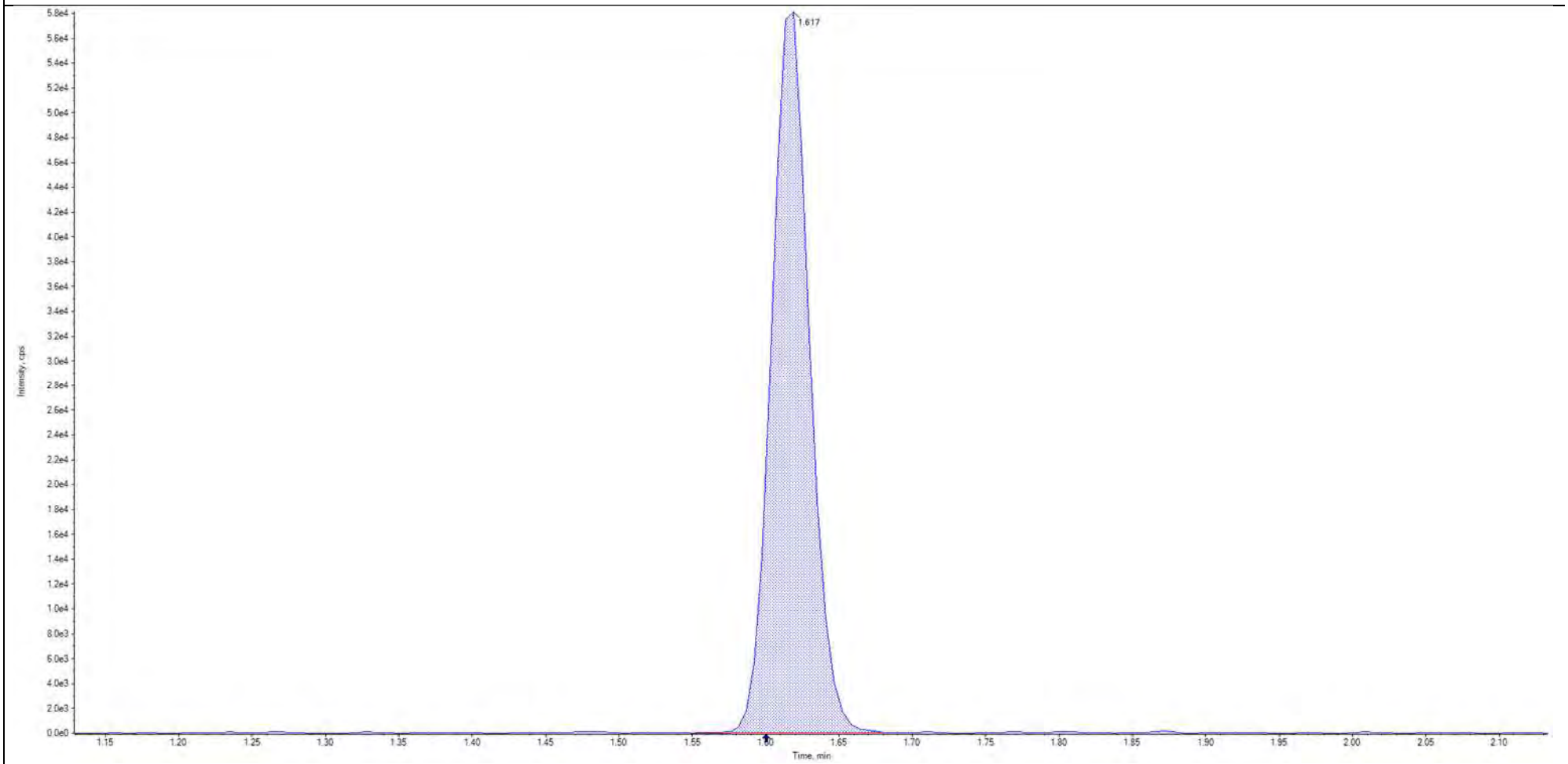
13C3-PFHxS
Sample: WG1996415-2,INSTBLNK



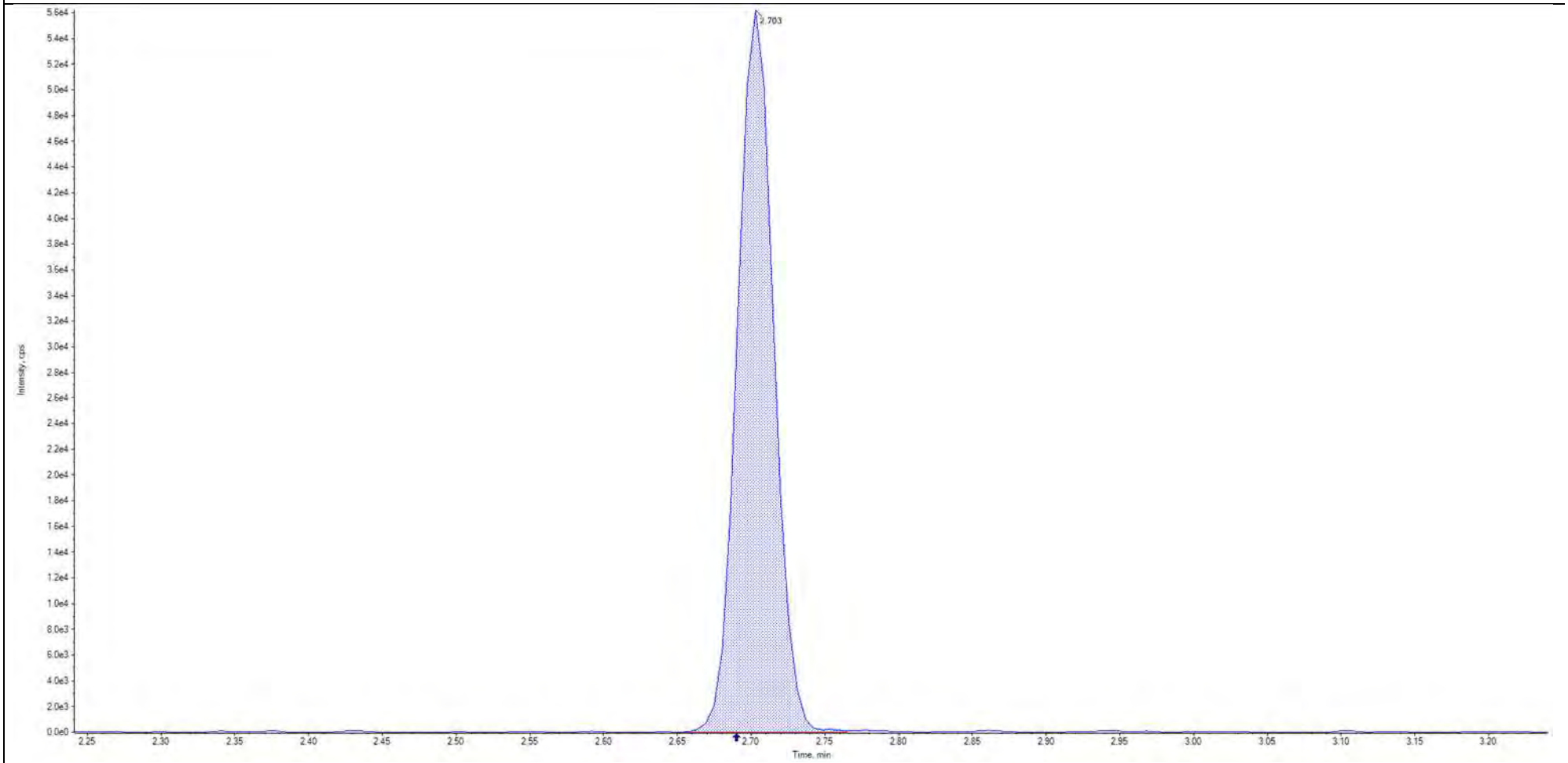
13C8-PFOS
Sample: WG1996415-2,INSTBLNK



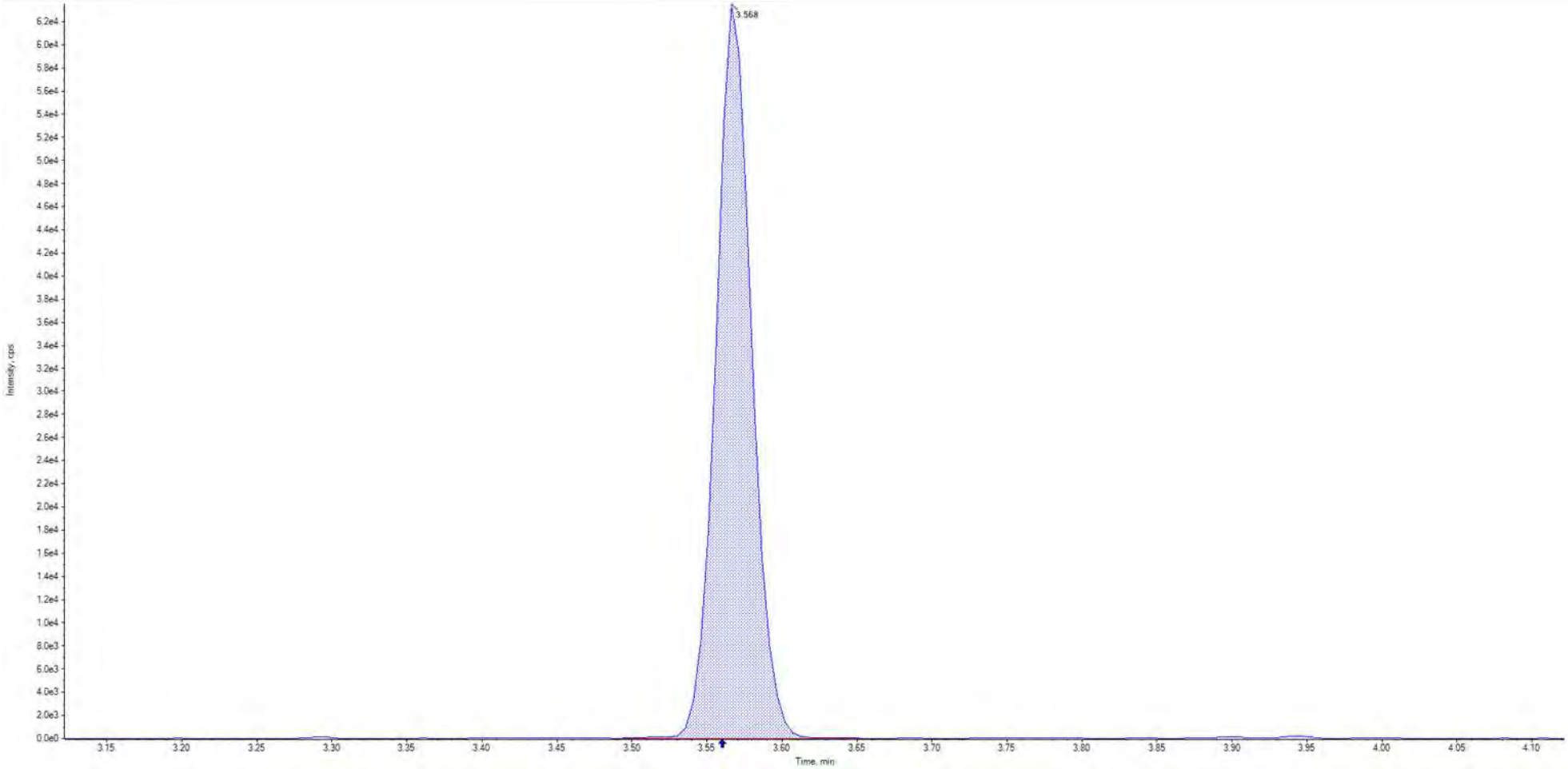
13C2-4:2FTS
Sample: WG1996415-2,INSTBLNK



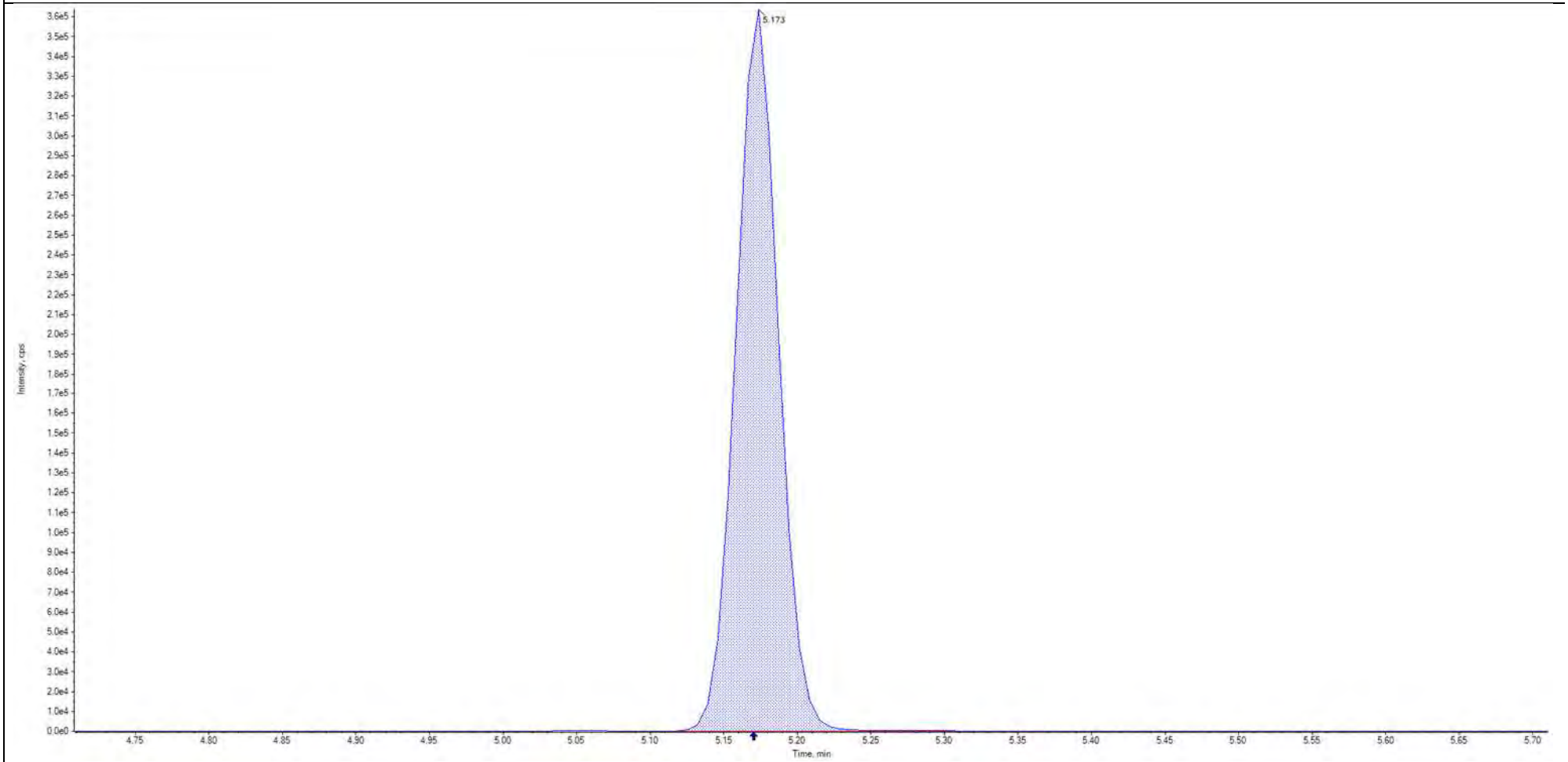
13C2-6:2FTS
Sample: WG1996415-2,INSTBLNK



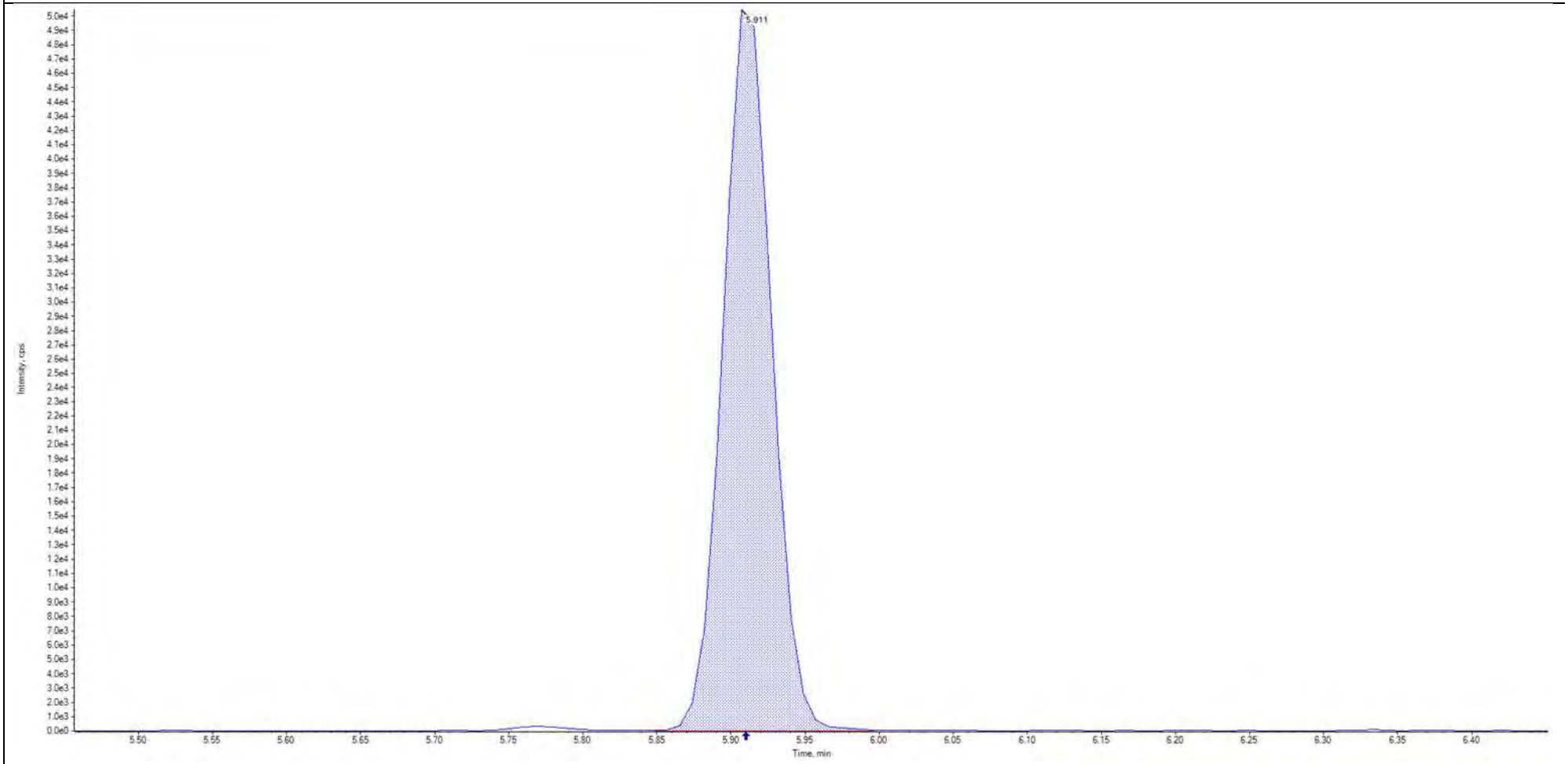
13C2-8:2FTS
Sample: WG1996415-2,INSTBLNK



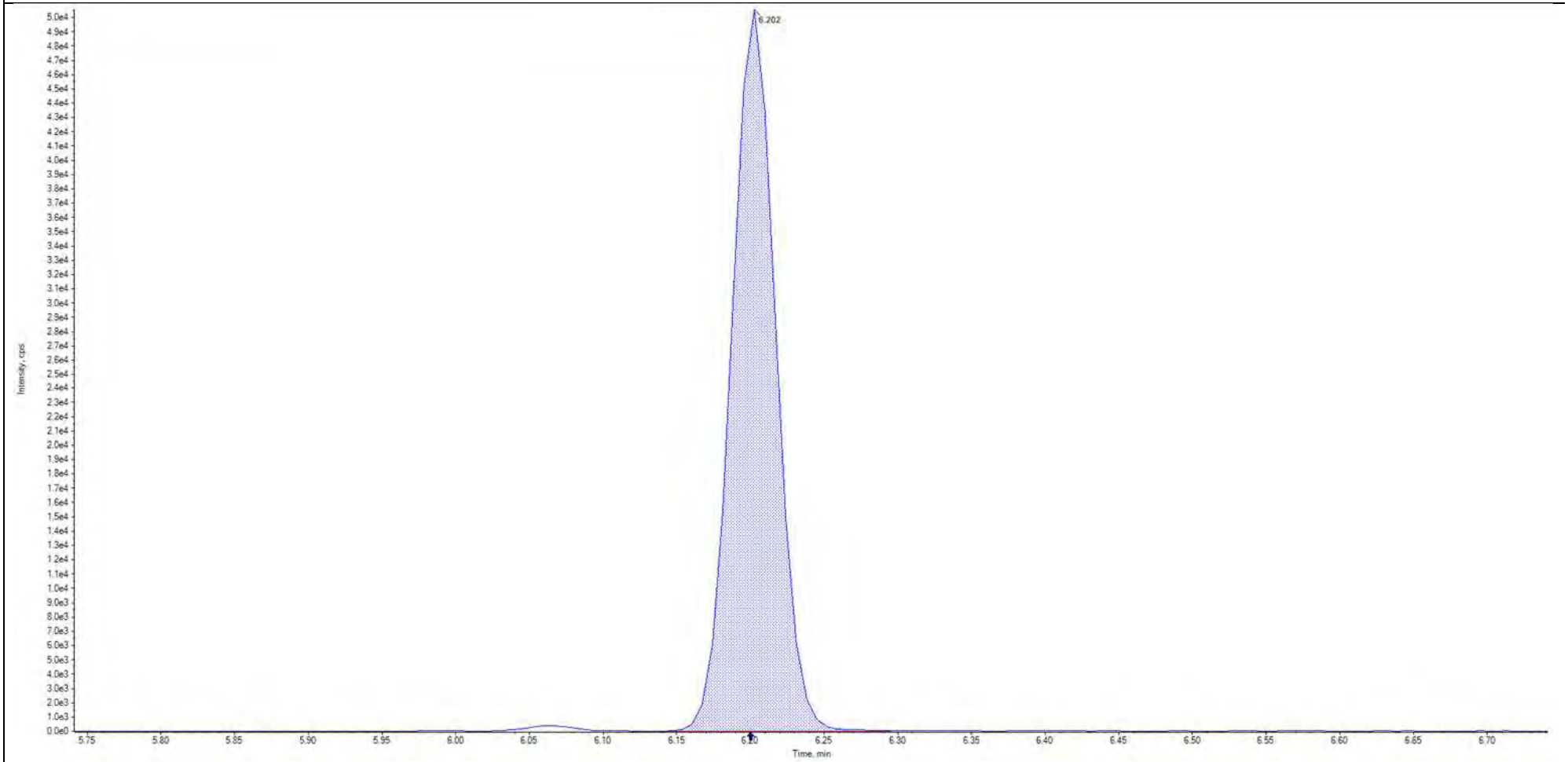
13C8-PFOSA
Sample: WG1996415-2,INSTBLNK



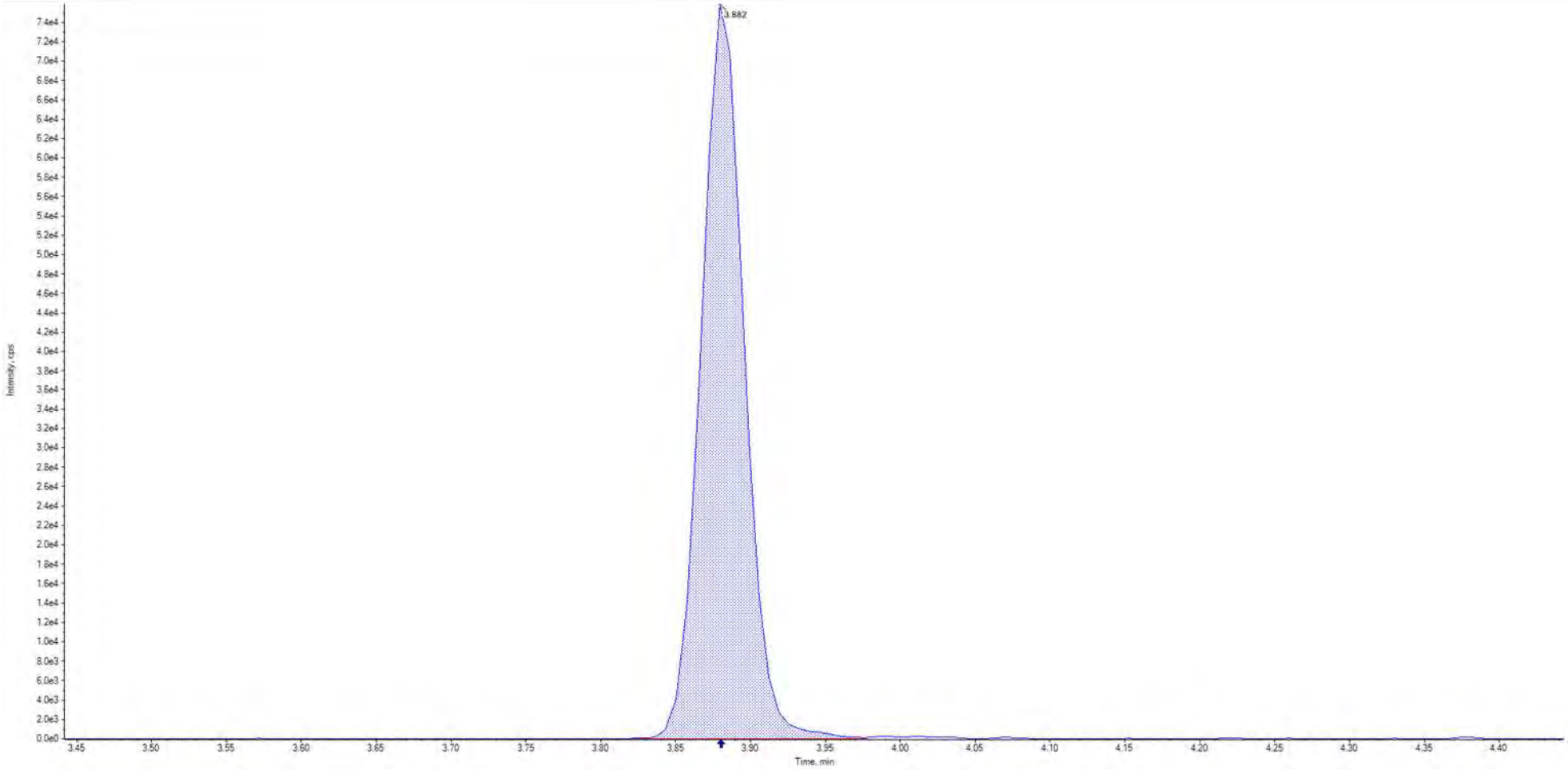
d3-NMeFOSA
Sample: WG1996415-2,INSTBLNK



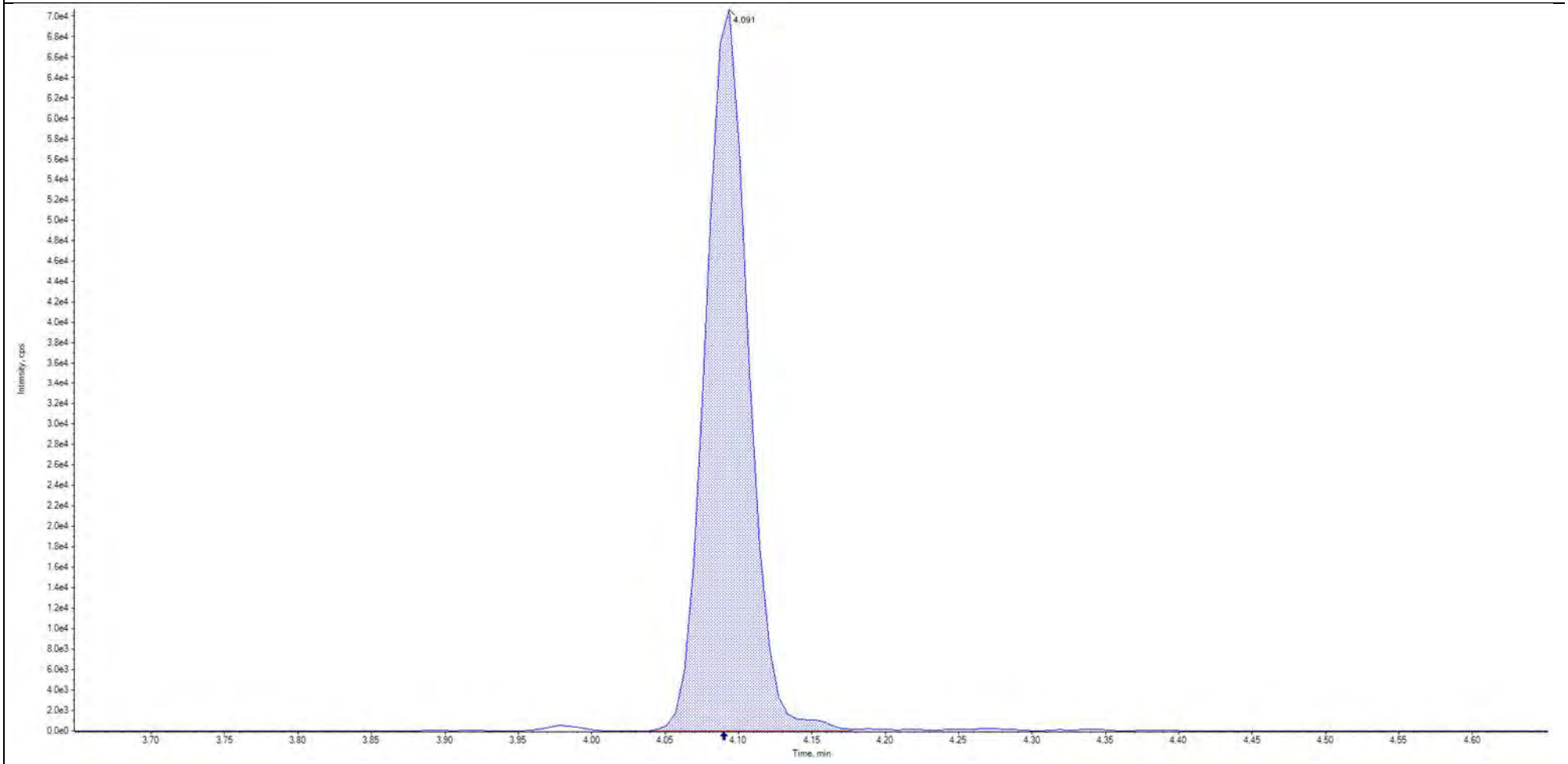
d5-NEtFOSA
Sample: WG1996415-2,INSTBLNK



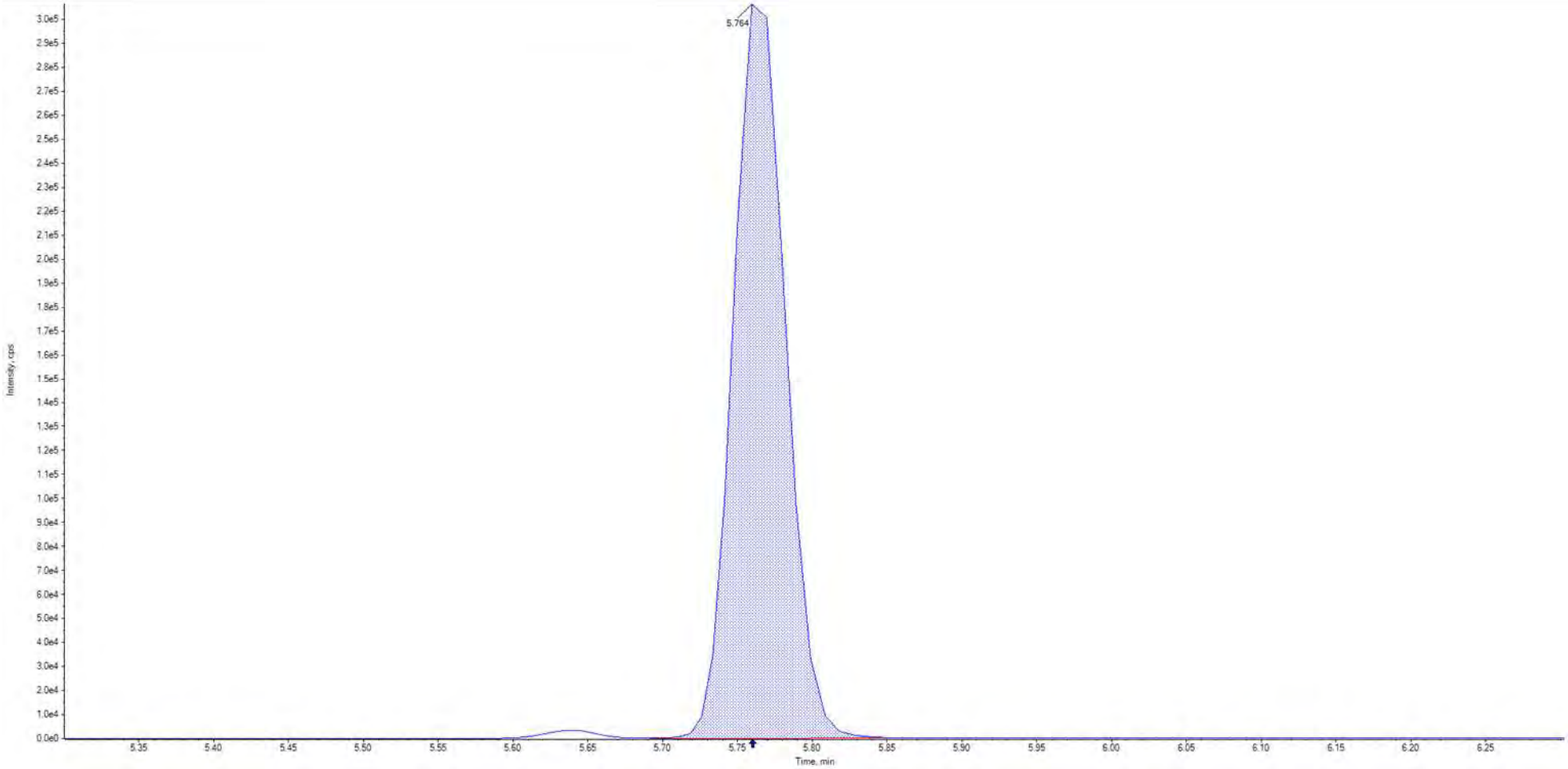
d3-NMeFOSAA
Sample: WG1996415-2,INSTBLNK



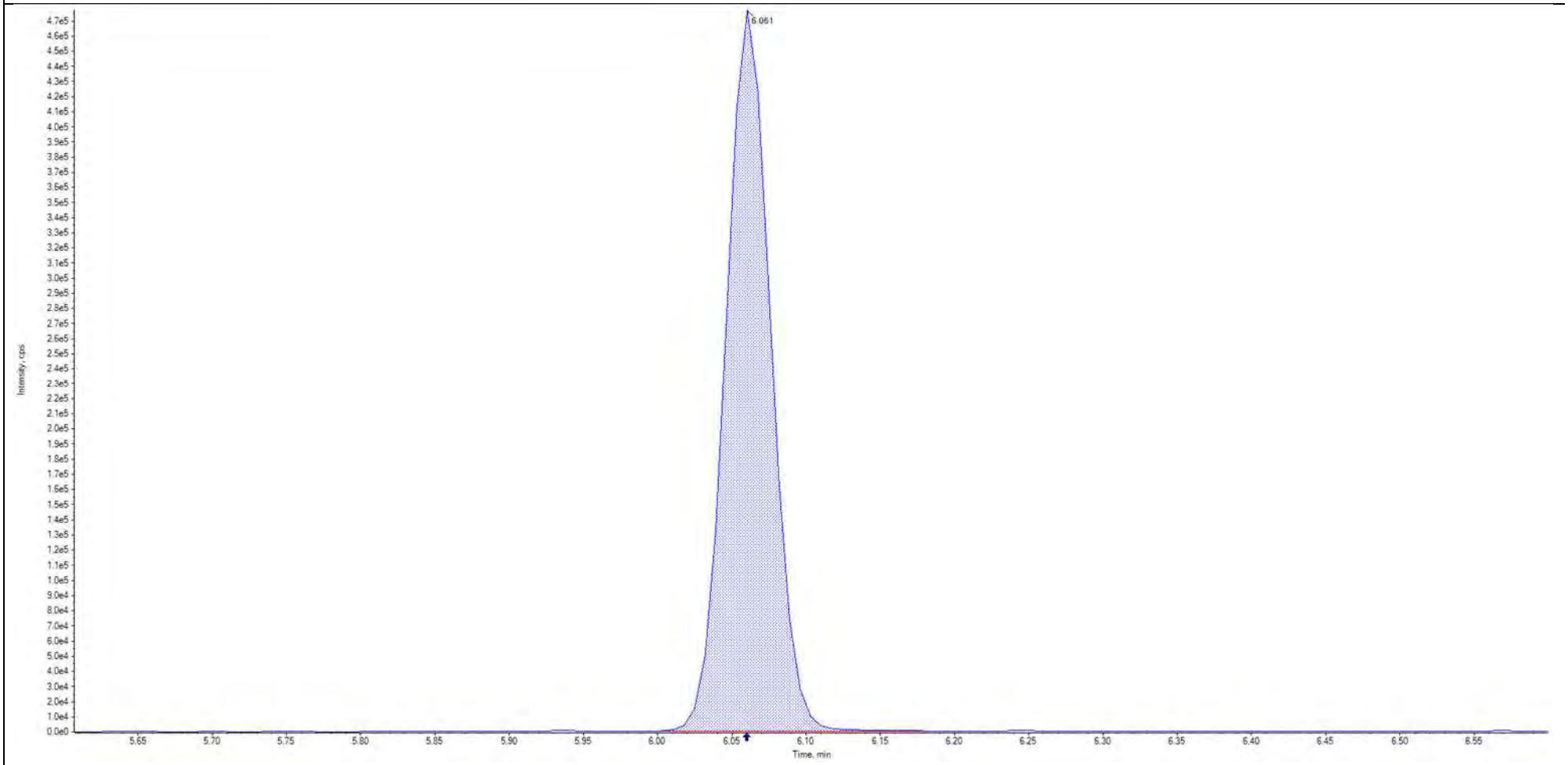
d5-NEtFOSAA
Sample: WG1996415-2,INSTBLNK



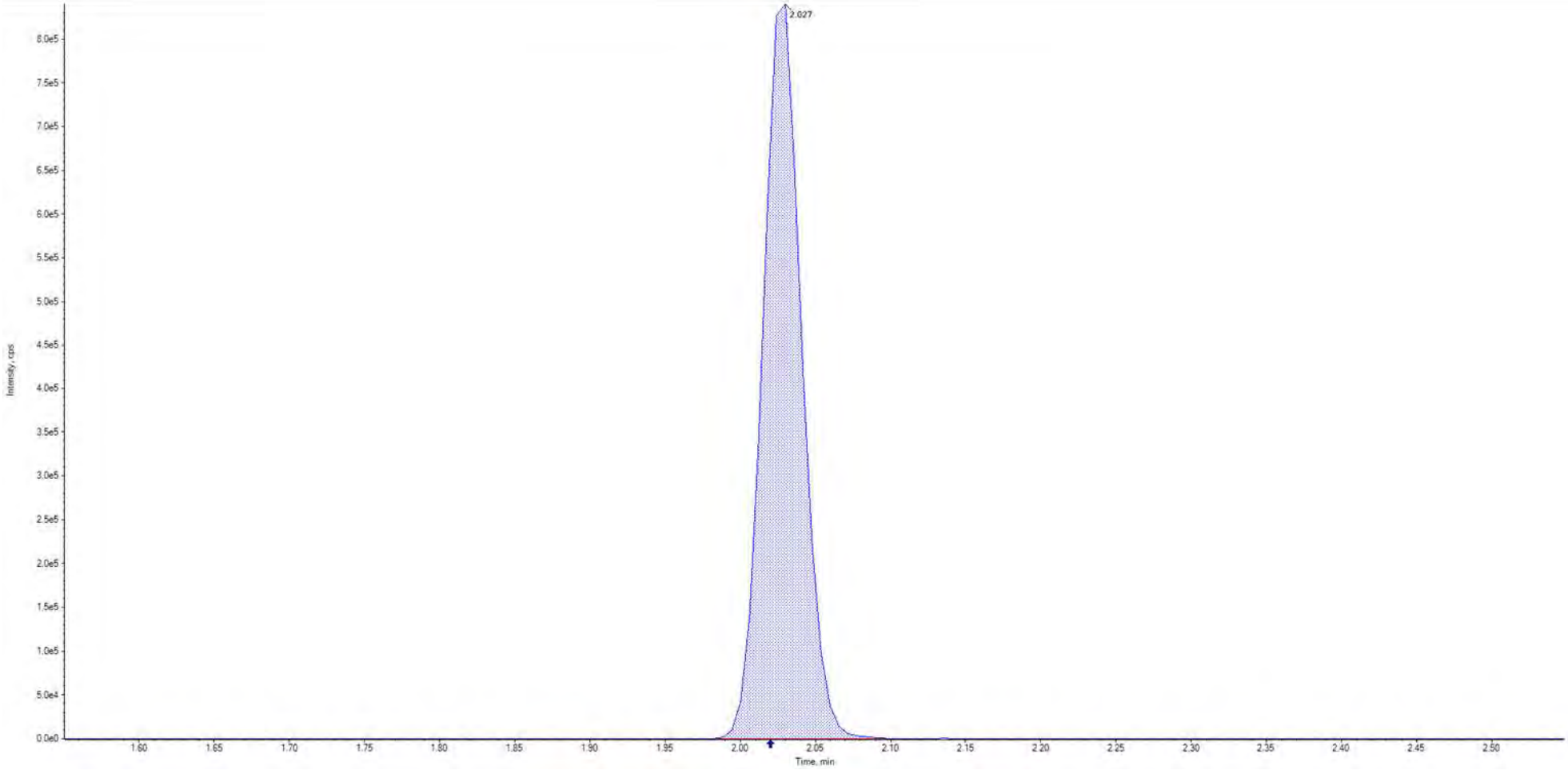
d7-NMeFOSE
Sample: WG1996415-2,INSTBLNK



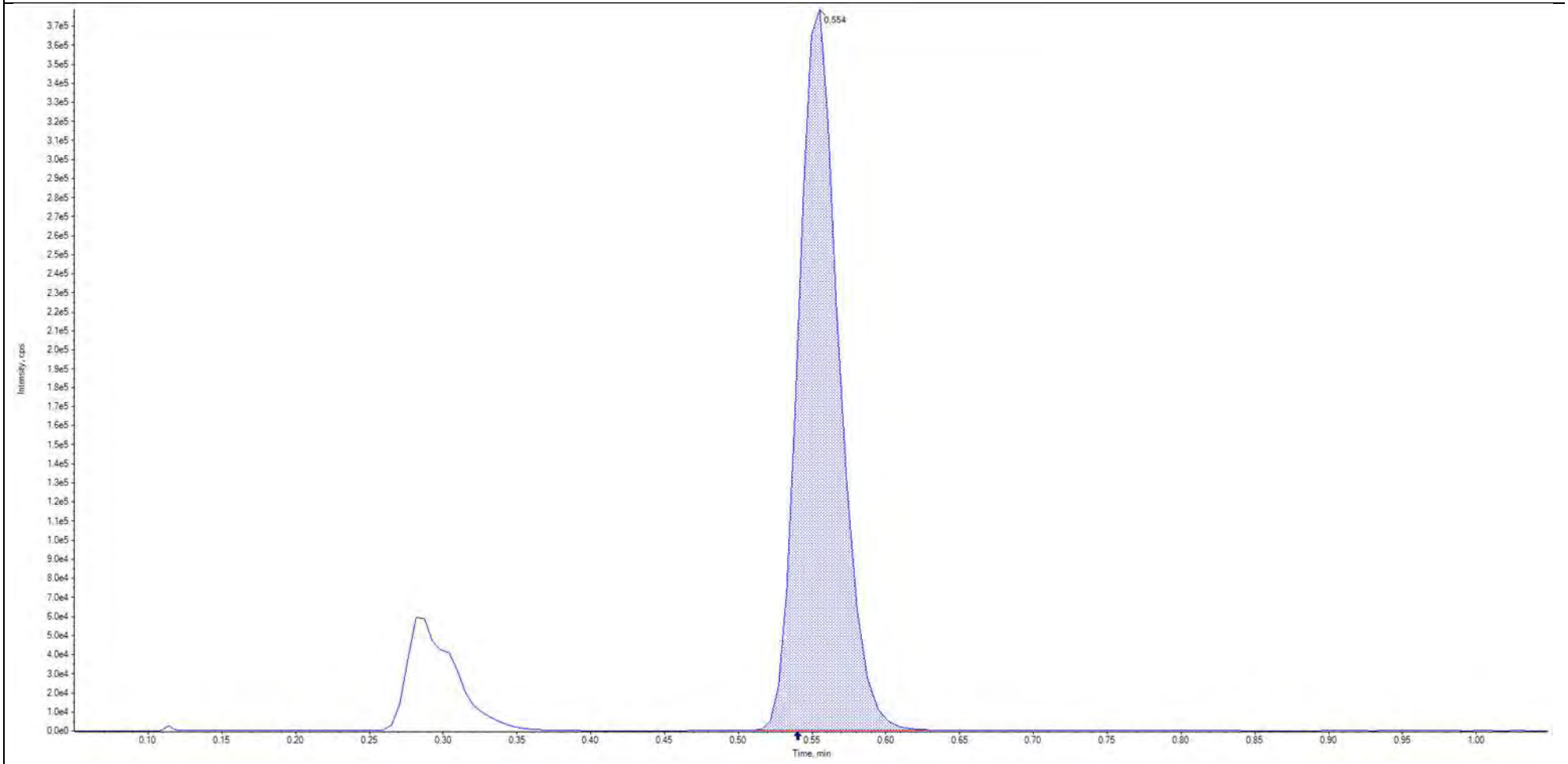
d9-NEtFOSE
Sample: WG1996415-2,INSTBLNK



13C3-HFPO-DA
Sample: WG1996415-2,INSTBLNK



13C3-PFBA
Sample: WG1996415-2,INSTBLNK



13C2-PFHxA
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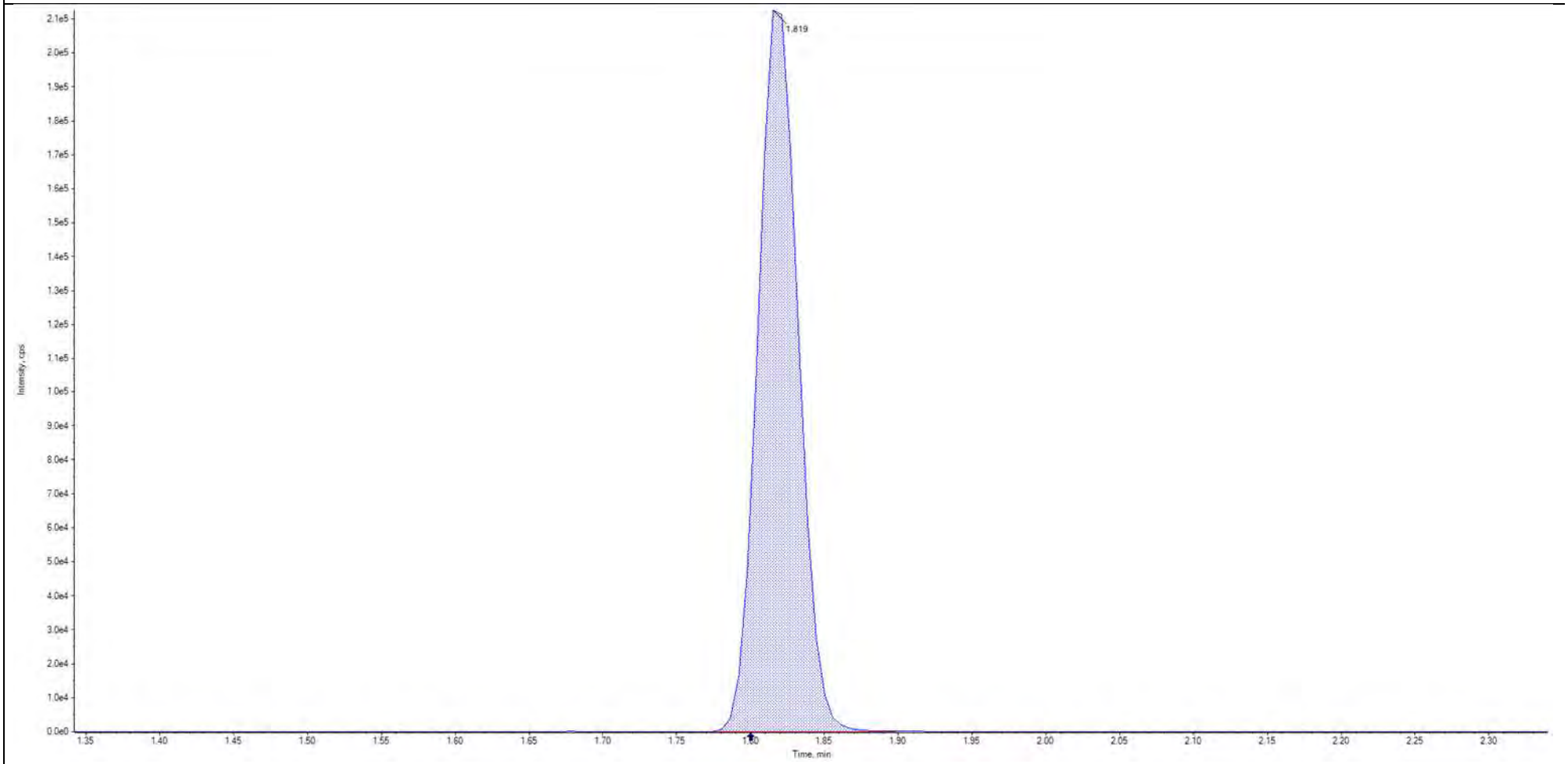

13C4-PFOA
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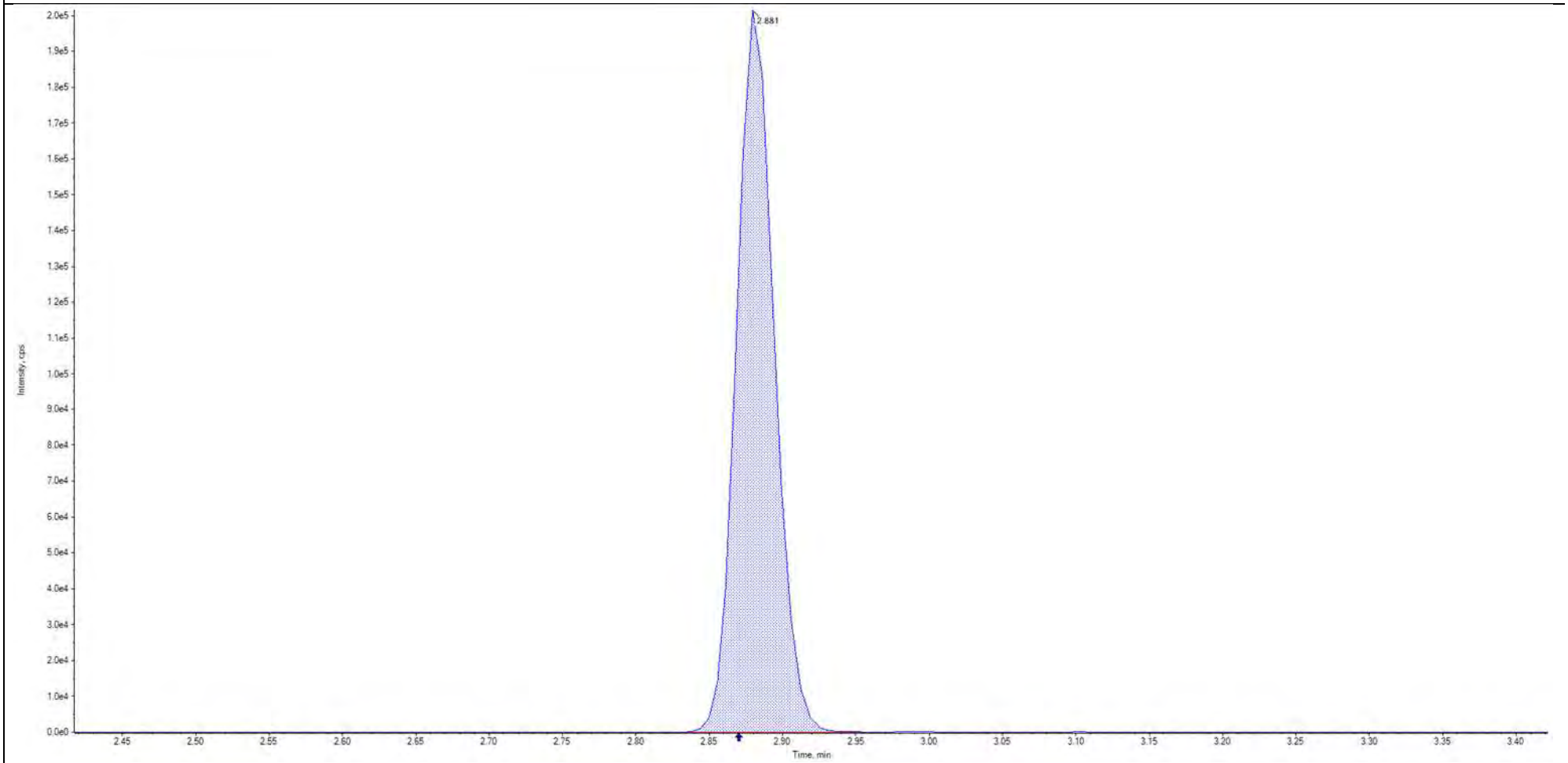

13C5-PFNA
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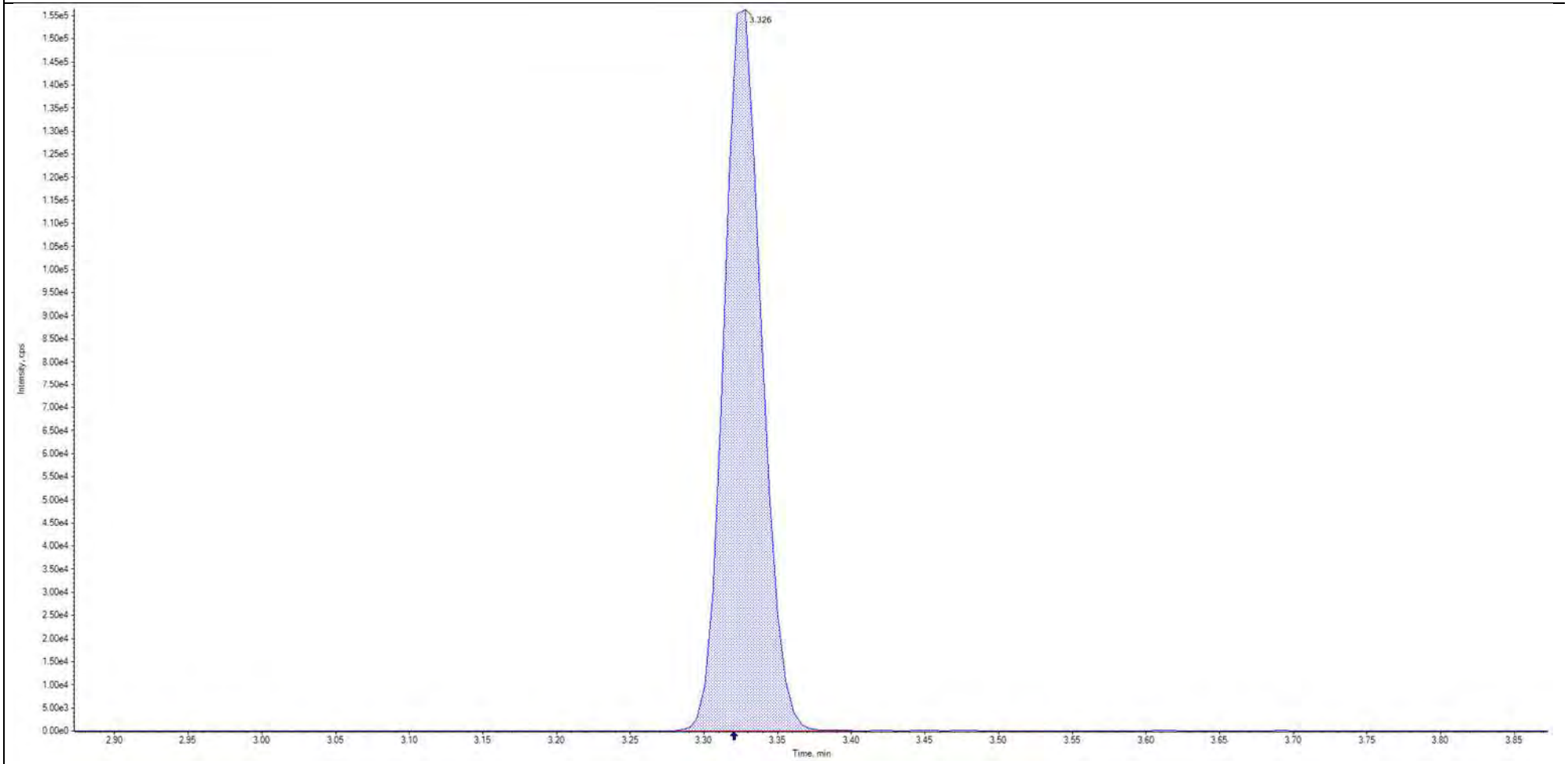

13C2-PFDA
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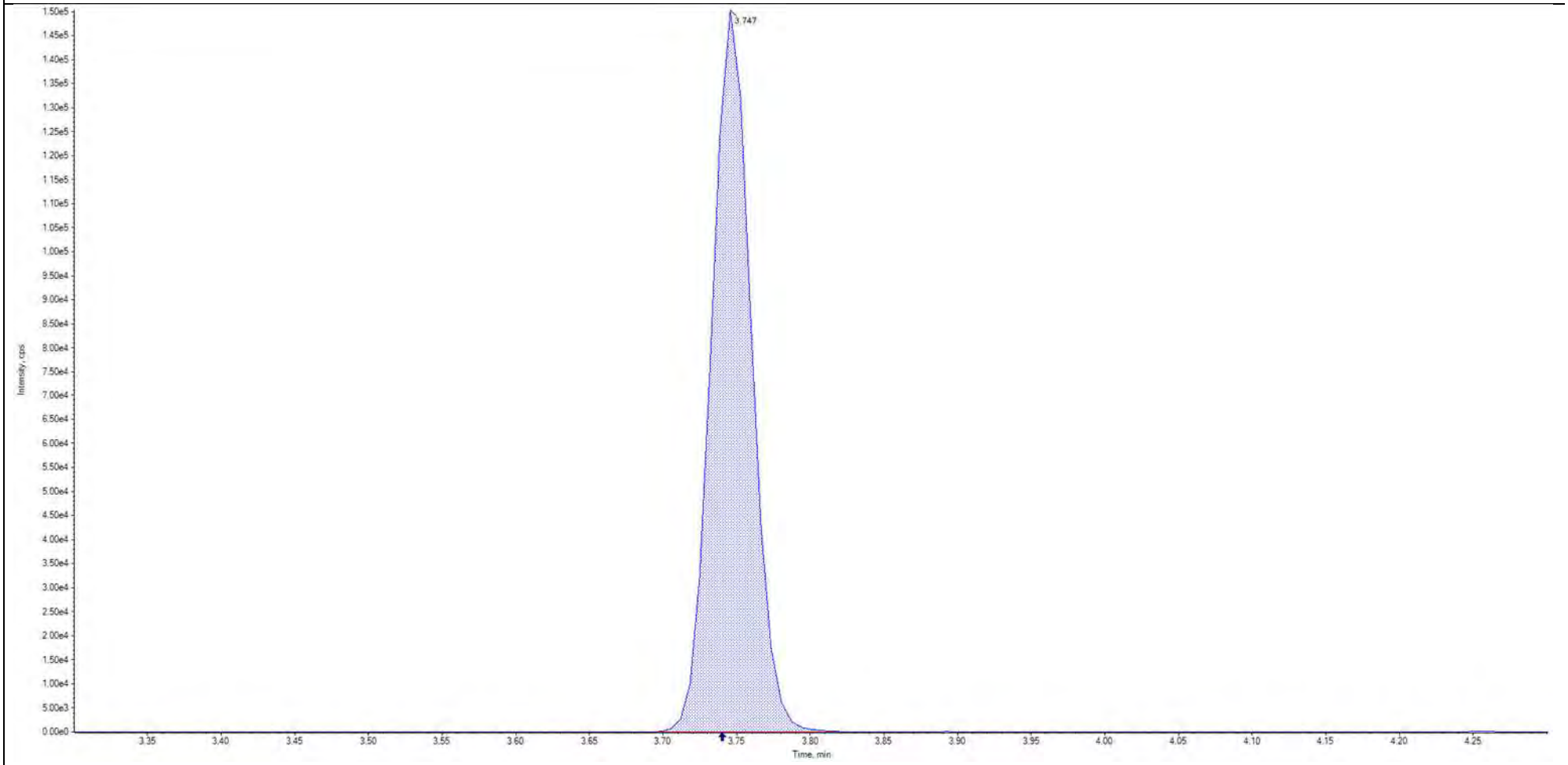

18O2-PFHxS
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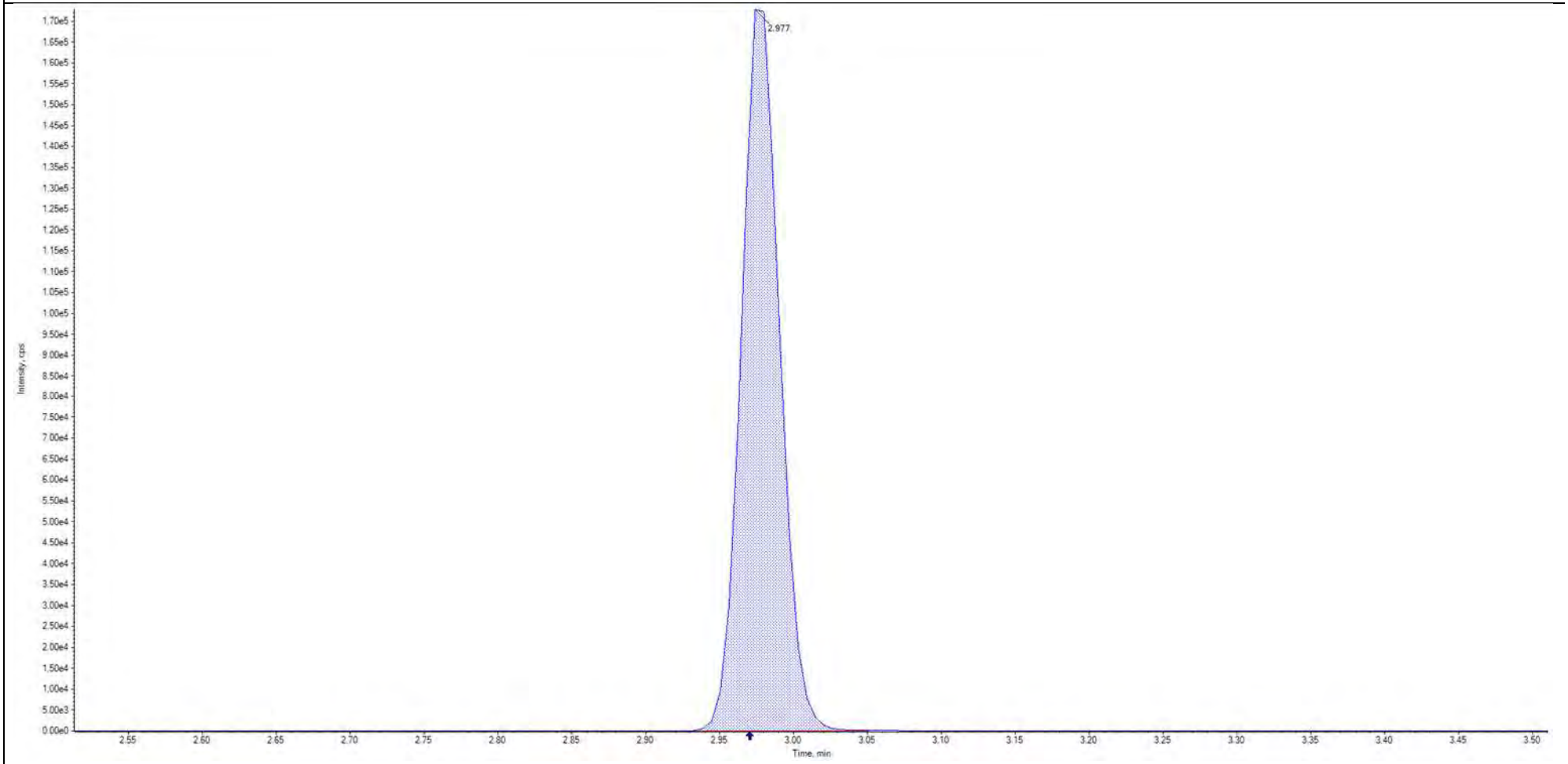
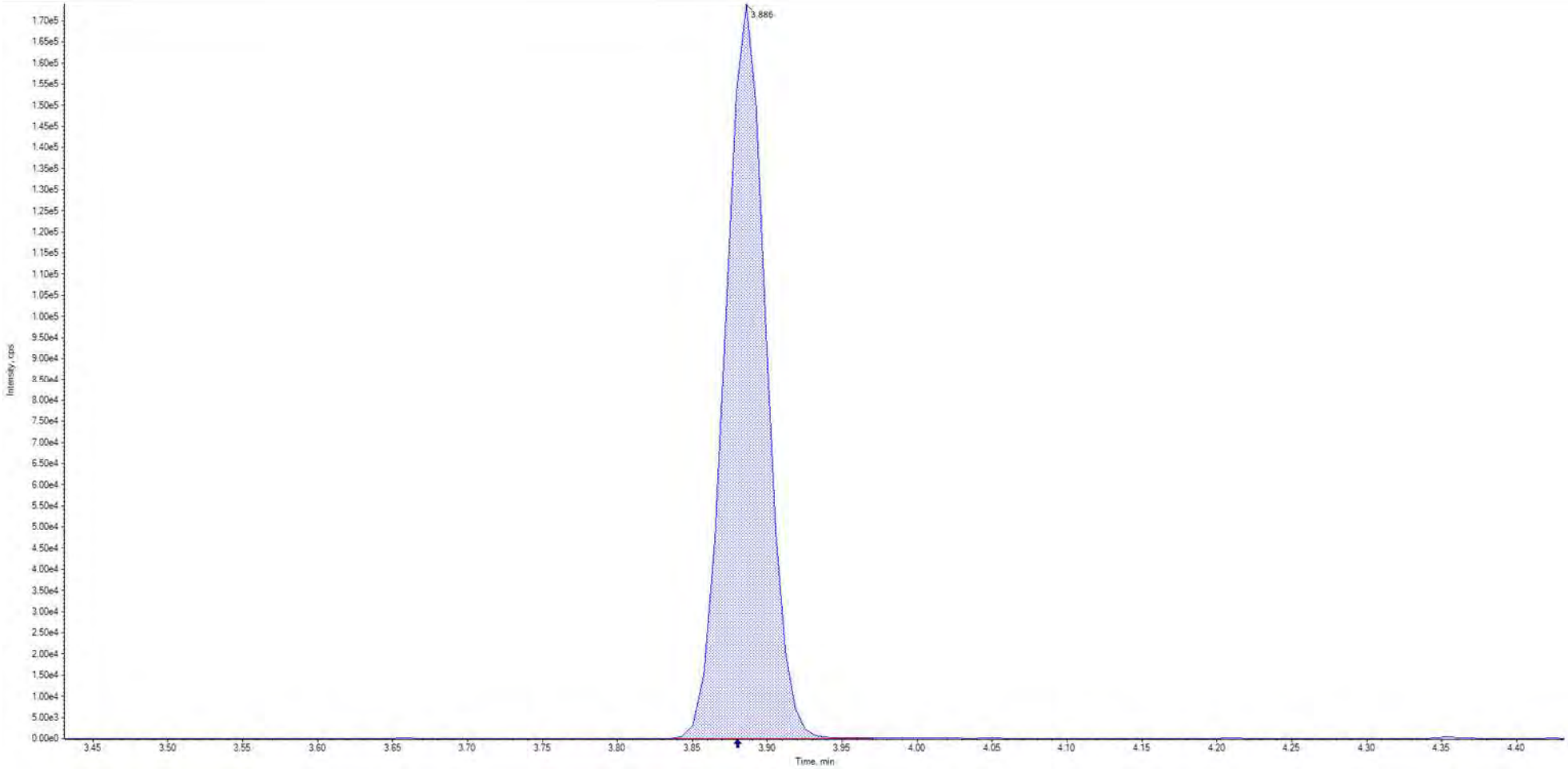


13C4-PFOS
Sample: WG1996415-2,INSTBLNK



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Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Method: EPA1633F.qmethod
Calibration: 241112_1633_ICAL

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Description: WG1996415
Instrument: SCIEX Triple Quad 5500+
User: LCMS09:PNB

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.54	213.0 / 169.0	5436		0.035	N/A	N/A	N/A	N/A
2	PFPeA	2706-90-3	N/A	263.0 / 219.0	N/A		N/A	N/A	N/A	N/A	N/A
3	PFPeA_2	2706-90-3	N/A	263.0 / 68.9	N/A		N/A	N/A	N/A	N/A	N/A
4	PFHxA	307-24-4	N/A	313.0 / 269.0	N/A		N/A	N/A	0.089	N/A	N/A
5	PFHxA_2	307-24-4	N/A	313.0 / 119.0	N/A		N/A	N/A	0.089	N/A	N/A
6	PFHpA	375-85-9	N/A	363.1 / 319.0	N/A		N/A	N/A	0.384	N/A	N/A
7	PFHpA_2	375-85-9	N/A	363.1 / 169.0	N/A		N/A	N/A	0.384	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	N/A	413.1 / 369.1	N/A		N/A	N/A	0.410	N/A	N/A
9	PFOA_2	335-67-1	N/A	413.1 / 169.0	N/A		N/A	N/A	0.410	N/A	N/A
10	PFNA	375-95-1	N/A	462.8 / 418.9	N/A		N/A	N/A	0.341	N/A	N/A
11	PFNA_2	375-95-1	N/A	462.8 / 219.0	N/A		N/A	N/A	0.341	N/A	N/A
12	PFDA	335-76-2	N/A	513.1 / 469.1	N/A		N/A	N/A	0.215	N/A	N/A
13	PFDA_2	335-76-2	N/A	513.1 / 219.0	N/A		N/A	N/A	0.215	N/A	N/A
14	PFUnA	2058-94-8	N/A	563.1 / 519.1	N/A		N/A	N/A	0.151	N/A	N/A
15	PFUnA_2	2058-94-8	N/A	563.1 / 269.0	N/A		N/A	N/A	0.151	N/A	N/A
16	PFDoA	307-55-1	N/A	613.1 / 569.1	N/A		N/A	N/A	0.140	N/A	N/A
17	PFDoA_2	307-55-1	N/A	613.1 / 319.0	N/A		N/A	N/A	0.140	N/A	N/A
18	PFTrDA	72629-94-8	N/A	663.1 / 619.1	N/A		N/A	N/A	0.159	N/A	N/A
19	PFTrDA_2	72629-94-8	N/A	663.1 / 169.0	N/A		N/A	N/A	0.159	N/A	N/A
20	PFTeDA	376-06-7	N/A	713.1 / 669.1	N/A		N/A	N/A	0.159	N/A	N/A
21	PFTeDA_2	376-06-7	N/A	713.1 / 169.0	N/A		N/A	N/A	0.159	N/A	N/A
22	PFBS	375-73-5	N/A	299.1 / 80.1	N/A		N/A	N/A	0.398	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	N/A	299.1 / 99.1	N/A		N/A	N/A	0.398	N/A	N/A
24	PFPeS	2706-91-4	N/A	349.1 / 80.1	N/A		N/A	N/A	0.285	N/A	N/A
25	PFPeS_2	2706-91-4	N/A	349.1 / 99.1	N/A		N/A	N/A	0.285	N/A	N/A
26	PFHxS	355-46-4	N/A	399.1 / 80.1	N/A		N/A	N/A	0.293	N/A	N/A
27	PFHxS_2	355-46-4	N/A	399.1 / 99.1	N/A		N/A	N/A	0.293	N/A	N/A
28	PFHpS	375-92-8	N/A	449.1 / 80.1	N/A		N/A	N/A	0.308	N/A	N/A
29	PFHpS_2	375-92-8	N/A	449.1 / 99.1	N/A		N/A	N/A	0.308	N/A	N/A
30	PFOS	1763-23-1	N/A	499.1 / 80.1	N/A		N/A	N/A	0.241	N/A	N/A
31	PFOS_2	1763-23-1	N/A	499.1 / 99.1	N/A		N/A	N/A	0.241	N/A	N/A
32	PFNS	68259-12-1	N/A	549.1 / 80.1	N/A		N/A	N/A	0.299	N/A	N/A
33	PFNS_2	68259-12-1	N/A	549.1 / 99.1	N/A		N/A	N/A	0.299	N/A	N/A
34	PFDS	335-77-3	N/A	599.1 / 80.1	N/A		N/A	N/A	0.274	N/A	N/A
35	PFDS_2	335-77-3	N/A	599.1 / 99.1	N/A		N/A	N/A	0.274	N/A	N/A
36	PFDoS	79780-39-5	N/A	699.2 / 80.1	N/A		N/A	N/A	0.247	N/A	N/A
37	PFDoS_2	79780-39-5	N/A	699.2 / 99.1	N/A		N/A	N/A	0.247	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	N/A	327.1 / 307.1	N/A		N/A	N/A	0.634	N/A	N/A
39	4:2FTS_2	757124-72-4	N/A	327.1 / 81.1	N/A		N/A	N/A	0.634	N/A	N/A
40	6:2FTS	27619-97-2	N/A	427.2 / 407.2	N/A		N/A	N/A	0.609	N/A	N/A
41	6:2FTS_2	27619-97-2	N/A	427.2 / 81.1	N/A		N/A	N/A	0.609	N/A	N/A
42	8:2FTS	39108-34-4	N/A	527.2 / 507.2	N/A		N/A	N/A	0.681	N/A	N/A
43	8:2FTS_2	39108-34-4	N/A	527.2 / 81.1	N/A		N/A	N/A	0.681	N/A	N/A
44	PFOSA	754-91-6	N/A	498.1 / 78.1	N/A		N/A	N/A	0.024	N/A	N/A
45	PFOSA_2	754-91-6	N/A	498.1 / 478.0	N/A		N/A	N/A	0.024	N/A	N/A
46	NMeFOSA	31506-32-8	N/A	512.2 / 219.0	N/A		N/A	N/A	1.421	N/A	N/A
47	NMeFOSA_2	31506-32-8	N/A	512.2 / 169.0	N/A		N/A	N/A	1.421	N/A	N/A
48	NEtFOSA	4151-50-2	N/A	526.2 / 219.0	N/A		N/A	N/A	1.258	N/A	N/A
49	NEtFOSA_2	4151-50-2	N/A	526.2 / 169.0	N/A		N/A	N/A	1.258	N/A	N/A
50	NMeFOSAA	2355-31-9	N/A	570.2 / 419.1	N/A		N/A	N/A	0.683	N/A	N/A
51	NMeFOSAA_2	2355-31-9	N/A	570.2 / 483.0	N/A		N/A	N/A	0.683	N/A	N/A
52	NEtFOSAA	2991-50-6	N/A	584.2 / 419.1	N/A		N/A	N/A	0.571	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	N/A	584.2 / 526.2	N/A		N/A	N/A	0.571	N/A	N/A
54	NMeFOSE	24448-09-7	N/A	616.1 / 58.9	N/A		N/A	N/A	N/A	N/A	N/A
55	NEtFOSE	1691-99-2	N/A	630.0 / 58.9	N/A		N/A	N/A	N/A	N/A	N/A
56	HFPO-DA	13252-13-6	N/A	285.0 / 169.0	N/A		N/A	N/A	0.510	N/A	N/A
57	HFPO-DA_2	13252-13-6	N/A	285.0 / 184.9	N/A		N/A	N/A	0.510	N/A	N/A
58	ADONA	919005-14-4	N/A	376.9 / 251.0	N/A		N/A	N/A	0.636	N/A	N/A
59	ADONA_2	919005-14-4	N/A	376.9 / 84.8	N/A		N/A	N/A	0.636	N/A	N/A
60	9Cl-PF3ONS	756426-58-1	N/A	530.8 / 351.1	N/A		N/A	N/A	0.326	N/A	N/A
61	9Cl-PF3ONS_2	756426-58-1	N/A	532.8 / 353.0	N/A		N/A	N/A	0.326	N/A	N/A
62	11Cl-PF3OUdS	763051-92-9	N/A	630.9 / 451.0	N/A		N/A	N/A	0.318	N/A	N/A
63	11Cl-PF3OUdS_2	763051-92-9	N/A	632.9 / 452.9	N/A		N/A	N/A	0.318	N/A	N/A
64	3:3FTCA	356-02-5	N/A	241.1 / 177.1	N/A		N/A	N/A	1.068	N/A	N/A
65	3:3FTCA_2	356-02-5	N/A	241.1 / 117.0	N/A		N/A	N/A	1.068	N/A	N/A
66	5:3FTCA	914637-49-3	N/A	341.1 / 237.1	N/A		N/A	N/A	1.045	N/A	N/A
67	5:3FTCA_2	914637-49-3	N/A	341.1 / 217.0	N/A		N/A	N/A	1.045	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	N/A	441.1 / 316.9	N/A		N/A	N/A	1.285	N/A	N/A
69	7:3FTCA_2	812-70-4	N/A	441.1 / 337.1	N/A		N/A	N/A	1.285	N/A	N/A
70	PFEESA	113507-82-7	N/A	315.1 / 135.0	N/A		N/A	N/A	0.081	N/A	N/A
71	PFEESA_2	113507-82-7	N/A	315.1 / 82.9	N/A		N/A	N/A	0.081	N/A	N/A
72	PFMPA	377-73-1	N/A	229.0 / 85.0	N/A		N/A	N/A	N/A	N/A	N/A
73	PFMBA	863090-89-5	N/A	279.0 / 85.0	N/A		N/A	N/A	N/A	N/A	N/A
74	NFDHA	151772-58-6	N/A	295.0 / 201.0	N/A		N/A	N/A	0.681	N/A	N/A
75	NFDHA_2	151772-58-6	N/A	295.0 / 84.9	N/A		N/A	N/A	0.681	N/A	N/A
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	5.357	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	5.357	N/A	N/A
78	13C2D4-4:2FTS	Surr	N/A	333.2 / 312.1	N/A		N/A	N/A	N/A	N/A	N/A
79	13C2-PFOA	Surr	N/A	415.0 / 370.0	N/A		N/A	N/A	N/A	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.55	217.0 / 172.0	1812586		10.504	NA	NA	NA	105.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.07	268.0 / 223.0	741569		5.082	NA	NA	NA	101.6
	13C5-PFHxA	EIS	1.81	318.0 / 273.0	382453		2.484	NA	NA	NA	99.4
	13C4-PFHpA	EIS	2.38	367.0 / 322.0	318914		2.482	NA	NA	NA	99.3
	13C8-PFOA	EIS	2.87	420.8 / 376.0	634696		2.337	NA	NA	NA	93.5
	13C9-PFNA	EIS	3.32	472.0 / 427.0	306885		1.358	NA	NA	NA	108.6
	13C6-PFDA	EIS	3.74	519.0 / 474.0	334622		1.399	NA	NA	NA	112.0
	13C7-PFUnA	EIS	4.14	570.0 / 525.0	403267		1.519	NA	NA	NA	121.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.53	615.1 / 570.0	365957		1.290	NA	NA	NA	103.2
	13C2-PFTeDA	EIS	5.27	715.1 / 670.1	271617		1.290	NA	NA	NA	103.2
	13C3-PFBS	EIS	1.80	302.1 / 80.1	426001		2.582	NA	NA	NA	110.8
	13C3-PFHxS	EIS	2.97	402.1 / 80.1	376713		2.577	NA	NA	NA	108.7
	13C8-PFOS	EIS	3.88	507.1 / 80.1	430945		2.682	NA	NA	NA	111.8
	13C2-4:2FTS	EIS	1.61	329.1 / 81.1	105518		4.602	NA	NA	NA	98.1
	13C2-6:2FTS	EIS	2.69	429.2 / 81.1	95617		4.698	NA	NA	NA	98.7
	13C2-8:2FTS	EIS	3.56	529.2 / 81.1	109737		4.556	NA	NA	NA	94.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	5.17	506.1 / 78.1	743323		2.725	NA	NA	NA	109.0
	d3-NMeFOSA	EIS	5.90	515.2 / 219.0	119764		2.681	NA	NA	NA	107.2
	d5-NEtFOSA	EIS	6.19	531.2 / 219.0	109144		2.693	NA	NA	NA	107.7
	d3-NMeFOSAA	EIS	3.87	573.2 / 419.1	144539		5.211	NA	NA	NA	104.2
	d5-NEtFOSAA	EIS	4.08	589.3 / 419.1	143704		5.257	NA	NA	NA	105.1
	d7-NMeFOSE	EIS	5.76	623.2 / 58.9	777108		26.857	NA	NA	NA	107.4
	d9-NEtFOSE	EIS	6.05	639.2 / 58.9	1074039		27.585	NA	NA	NA	110.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.02	287.0 / 169.0	1750558		11.641	NA	NA	NA	116.4
	13C3-PFBA	NIS	0.55	216.0 / 172.0	752260		5.932	NA	NA	NA	118.6
	13C2-PFHxA	NIS	1.81	315.0 / 270.0	427206		2.868	NA	NA	NA	114.7
	13C4-PFOA	NIS	2.87	417.0 / 372.0	433048		3.004	NA	NA	NA	120.2
	13C5-PFNA	NIS	3.32	468.0 / 423.0	281335		1.378	NA	NA	NA	110.2
	13C2-PFDA	NIS	3.74	515.1 / 470.1	283845		1.346	NA	NA	NA	107.7
	18O2-PFHxS	NIS	2.97	403.1 / 84.1	305290		2.616	NA	NA	NA	110.4
	13C4-PFOS	NIS	3.88	503.1 / 80.1	320016		2.550	NA	NA	NA	106.2

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	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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PFBA
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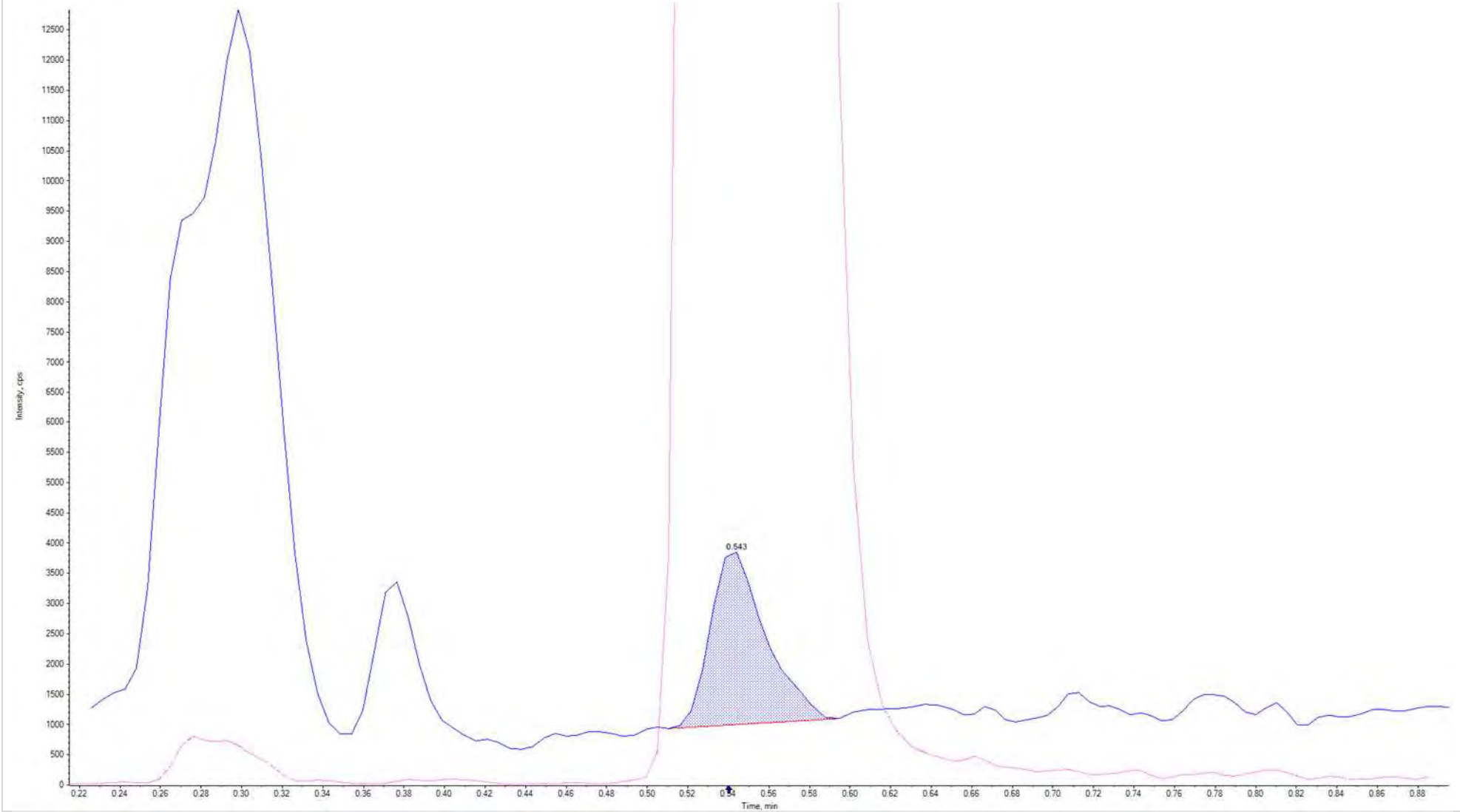

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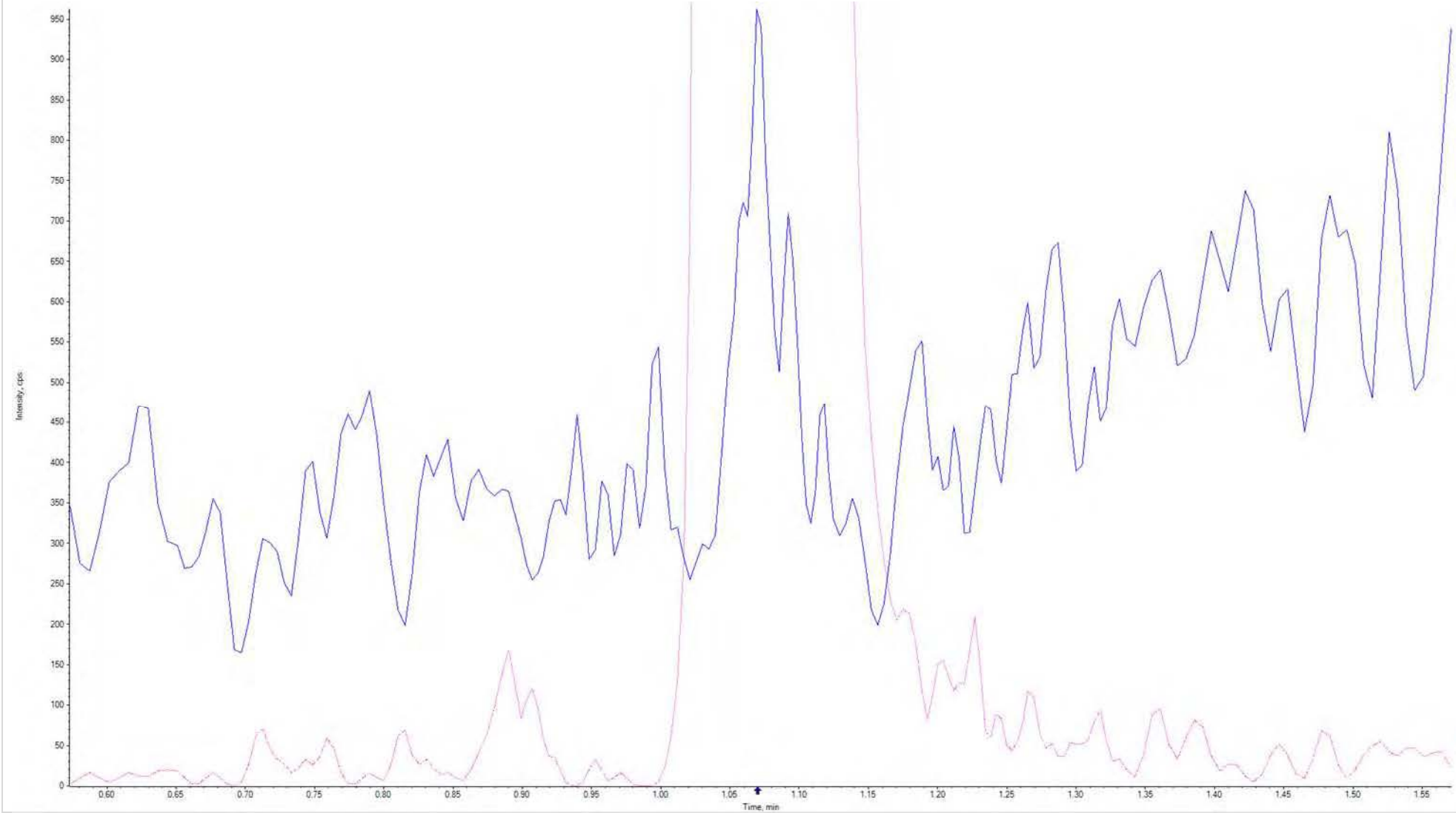
Last Altered: 11/12/2024 3:33:13 PM
Generated: 11/12/2024 3:31:45 PM

PFPeA
Sample: WG1996415-3,INSTBLNK S/N:N/A Points Across peak:N/A



PFPeA_2
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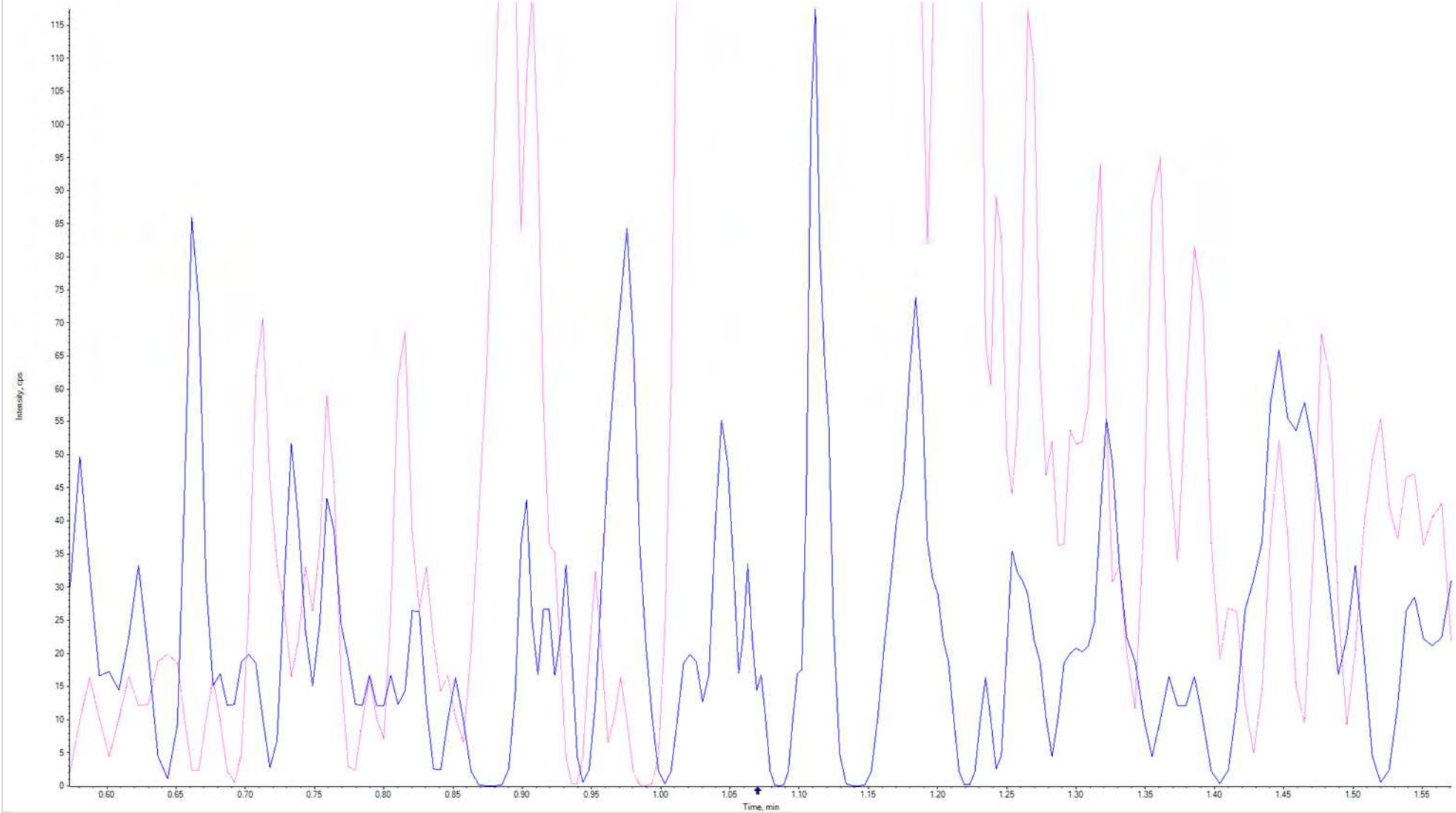

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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PFHxA
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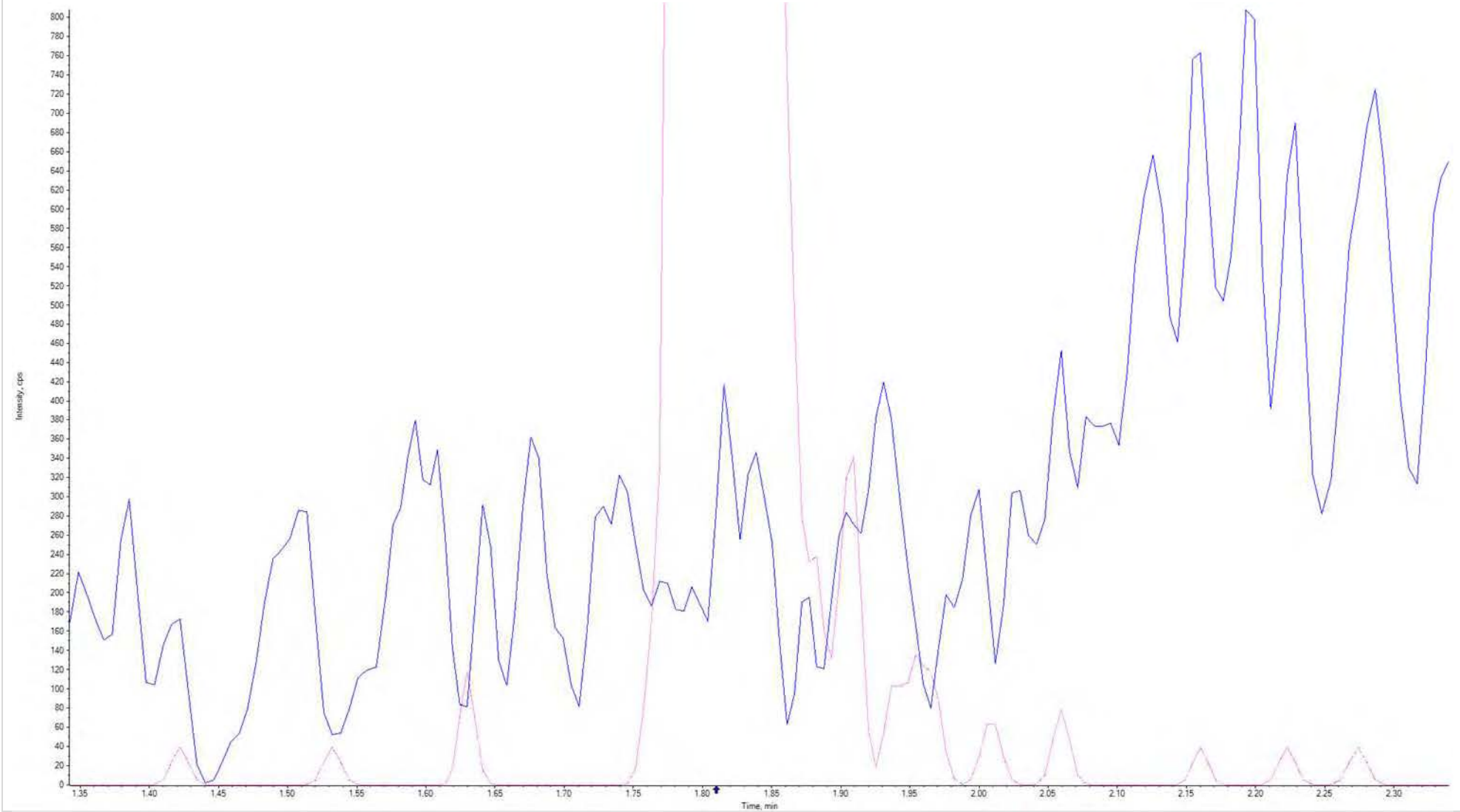

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PFHxA_2
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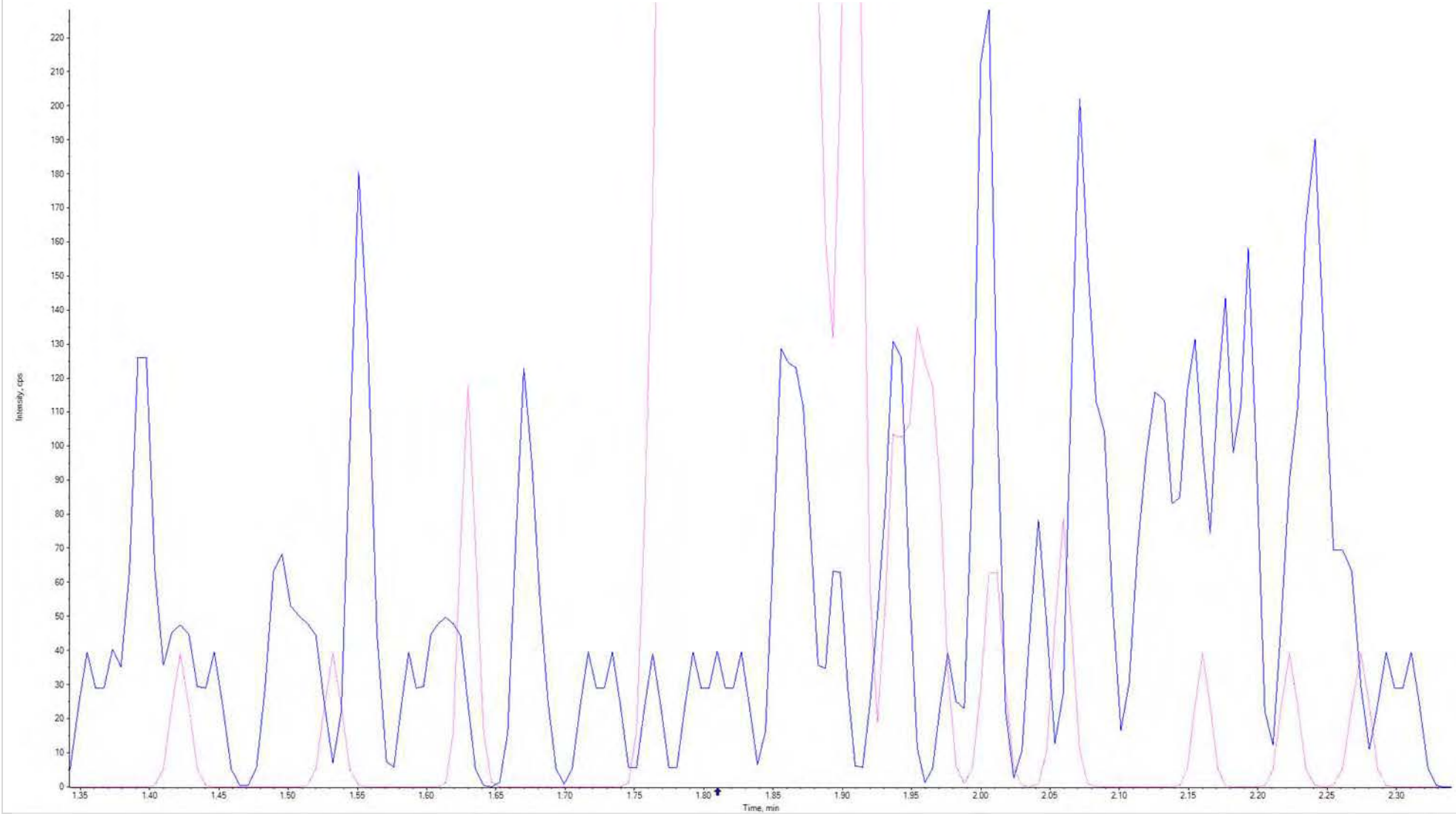

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PFHpA
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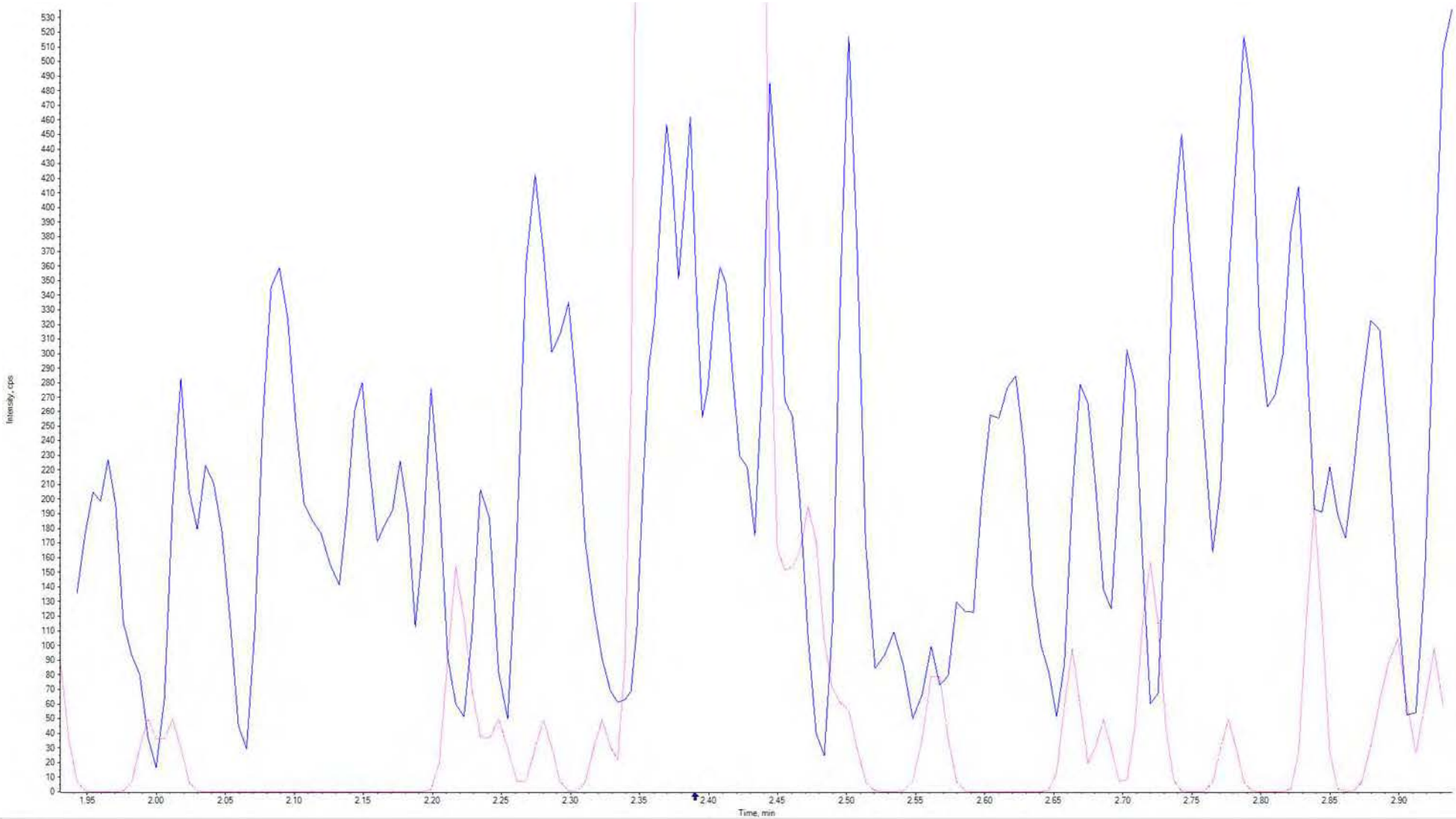

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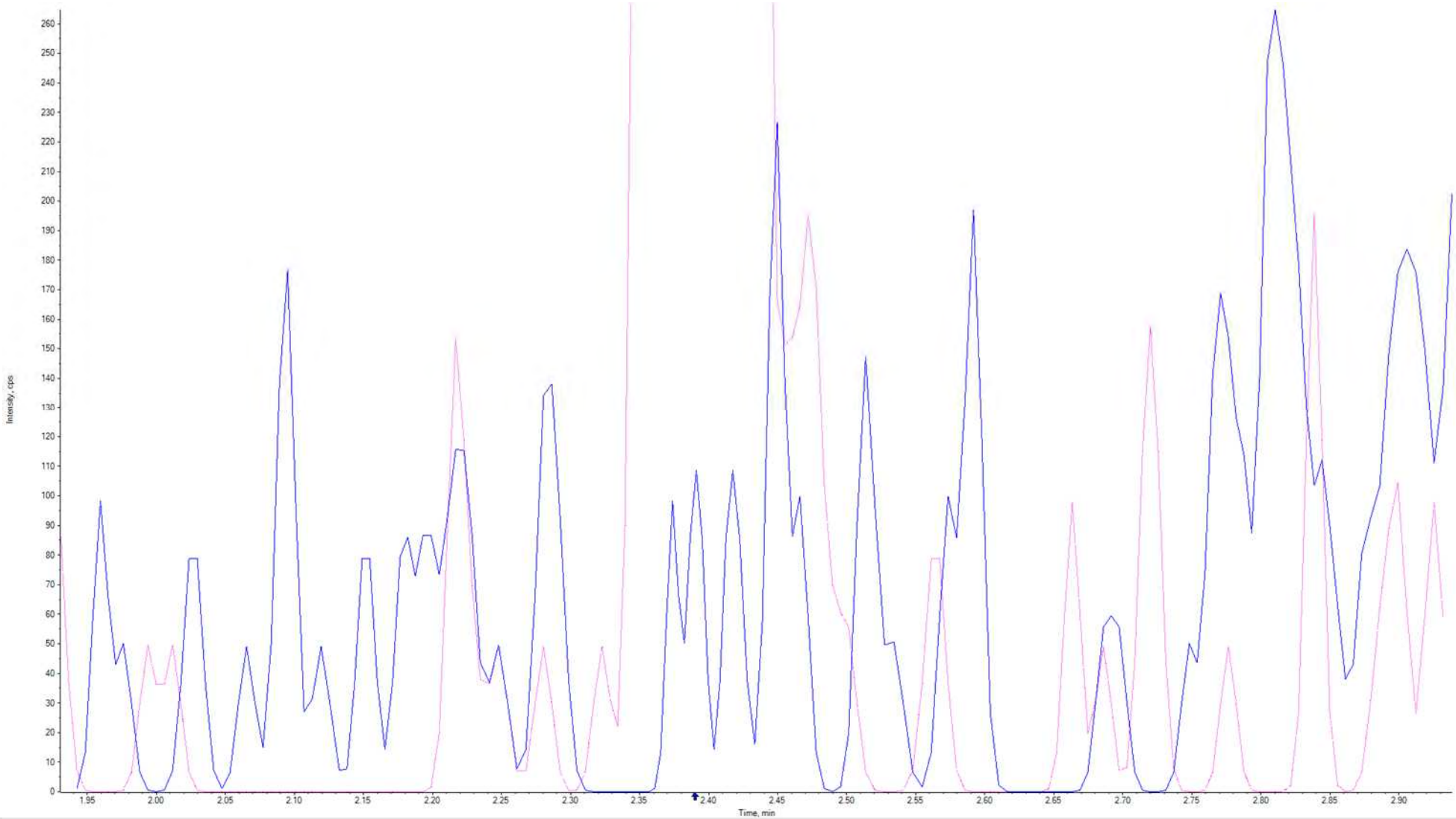

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PFOA
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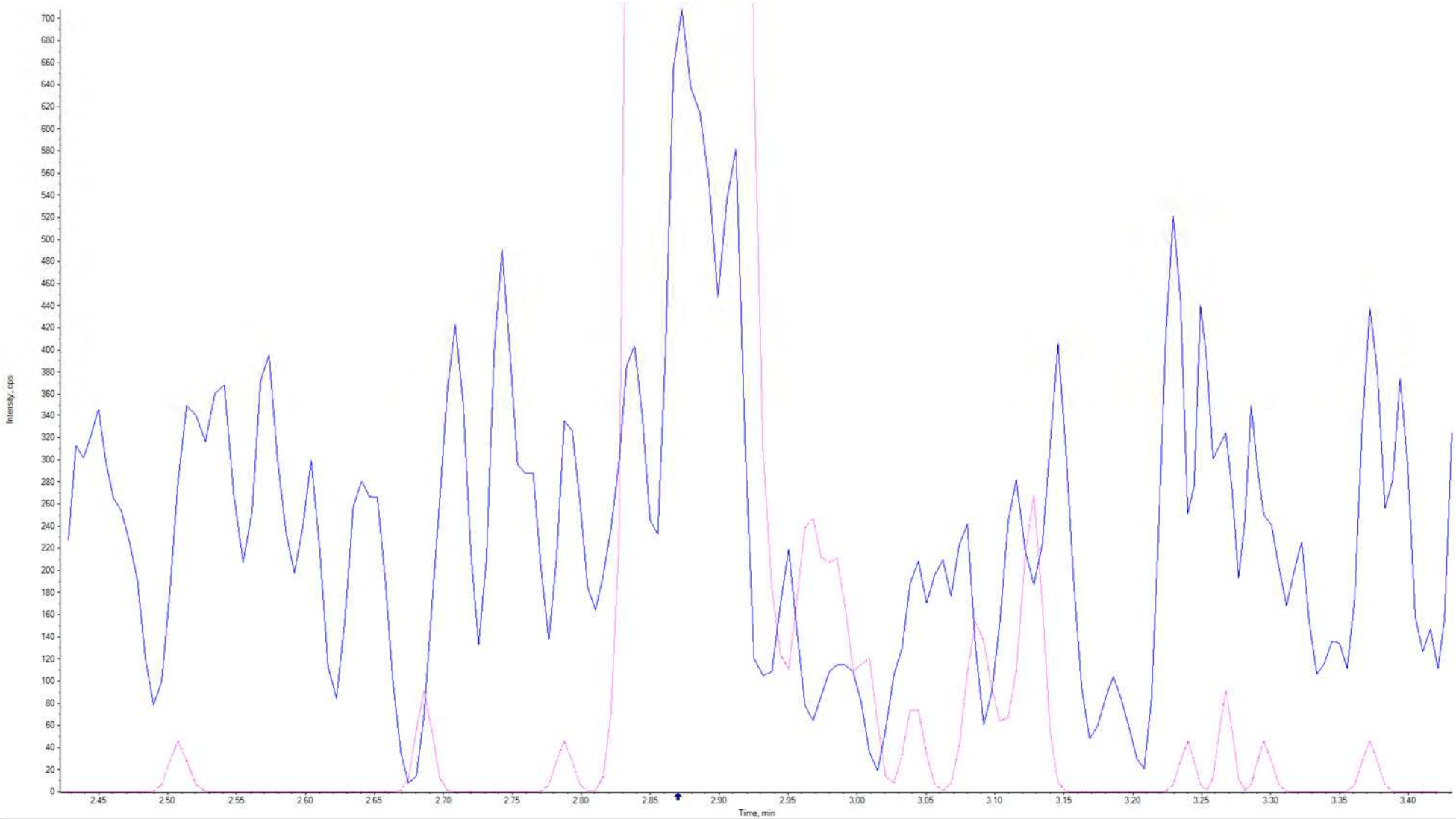

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PFOA_2
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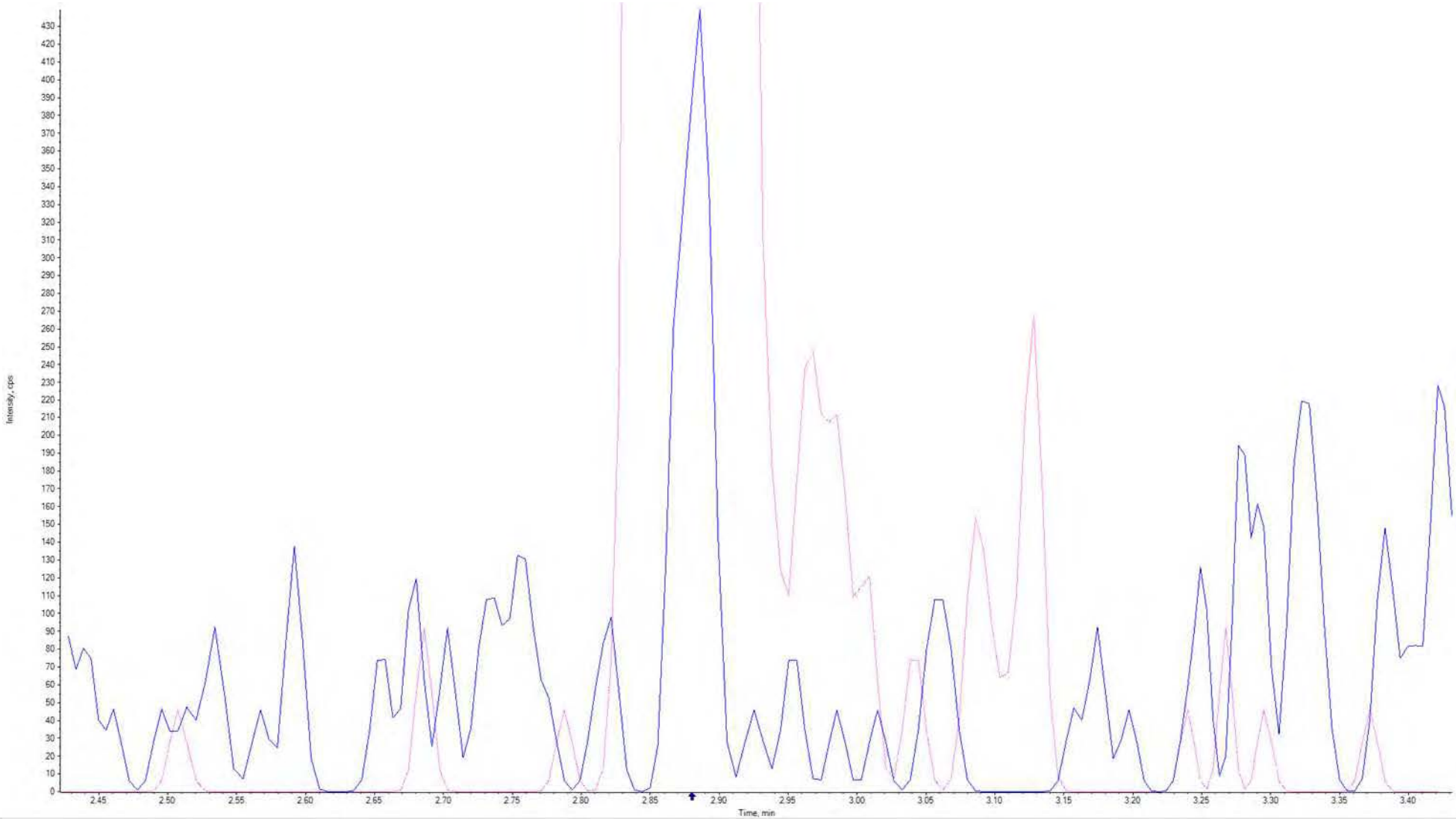

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PFNA
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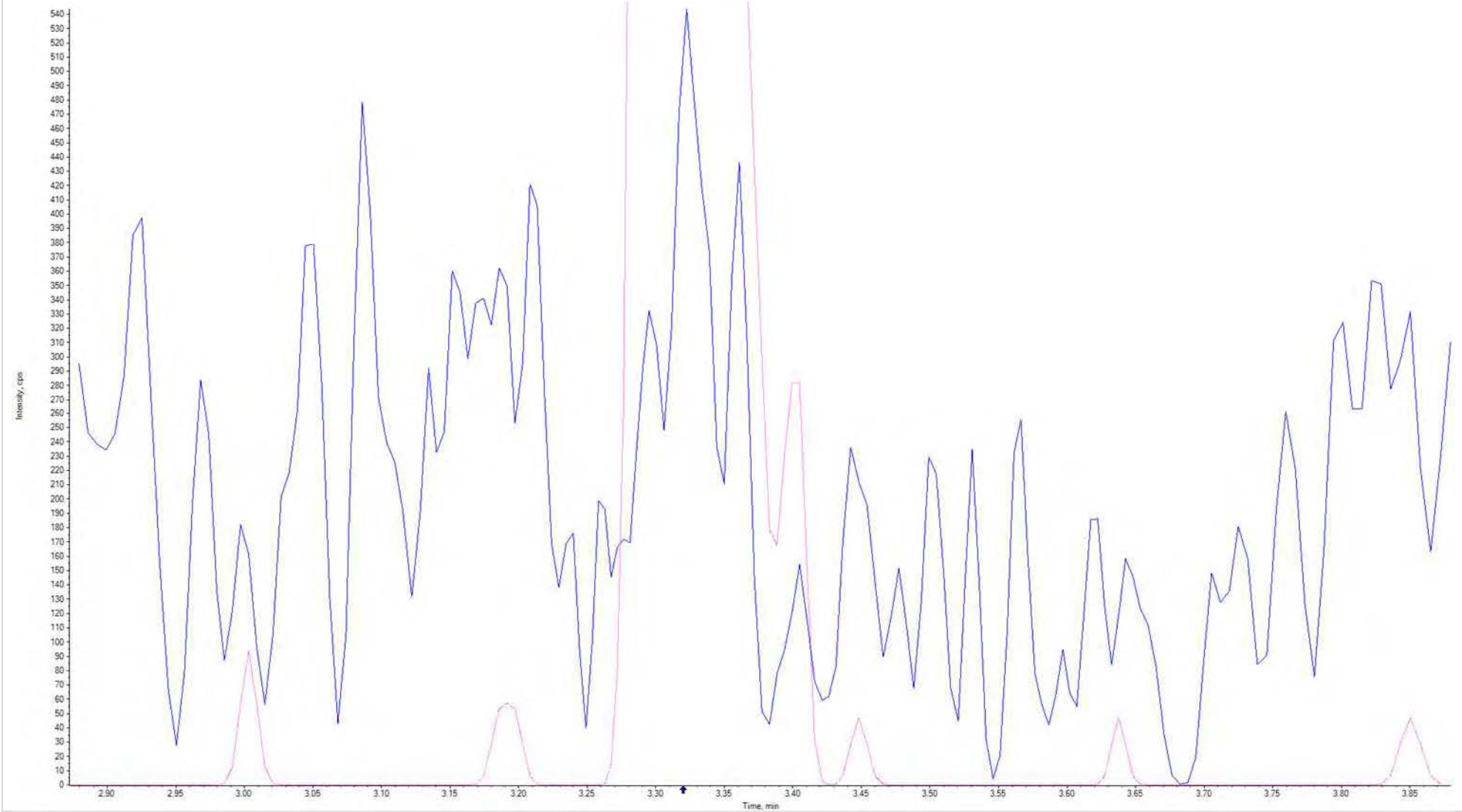

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PFNA_2
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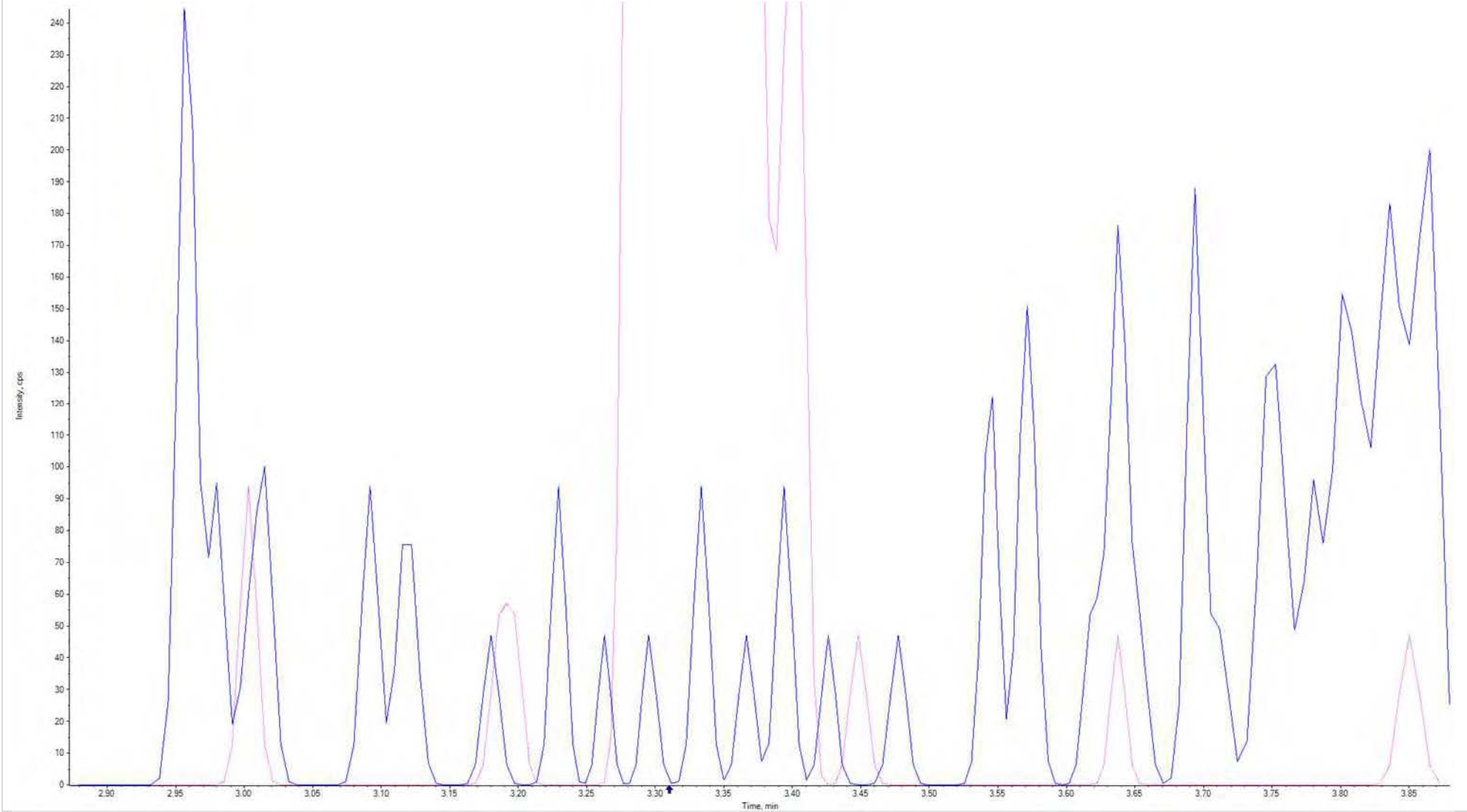

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PFDA
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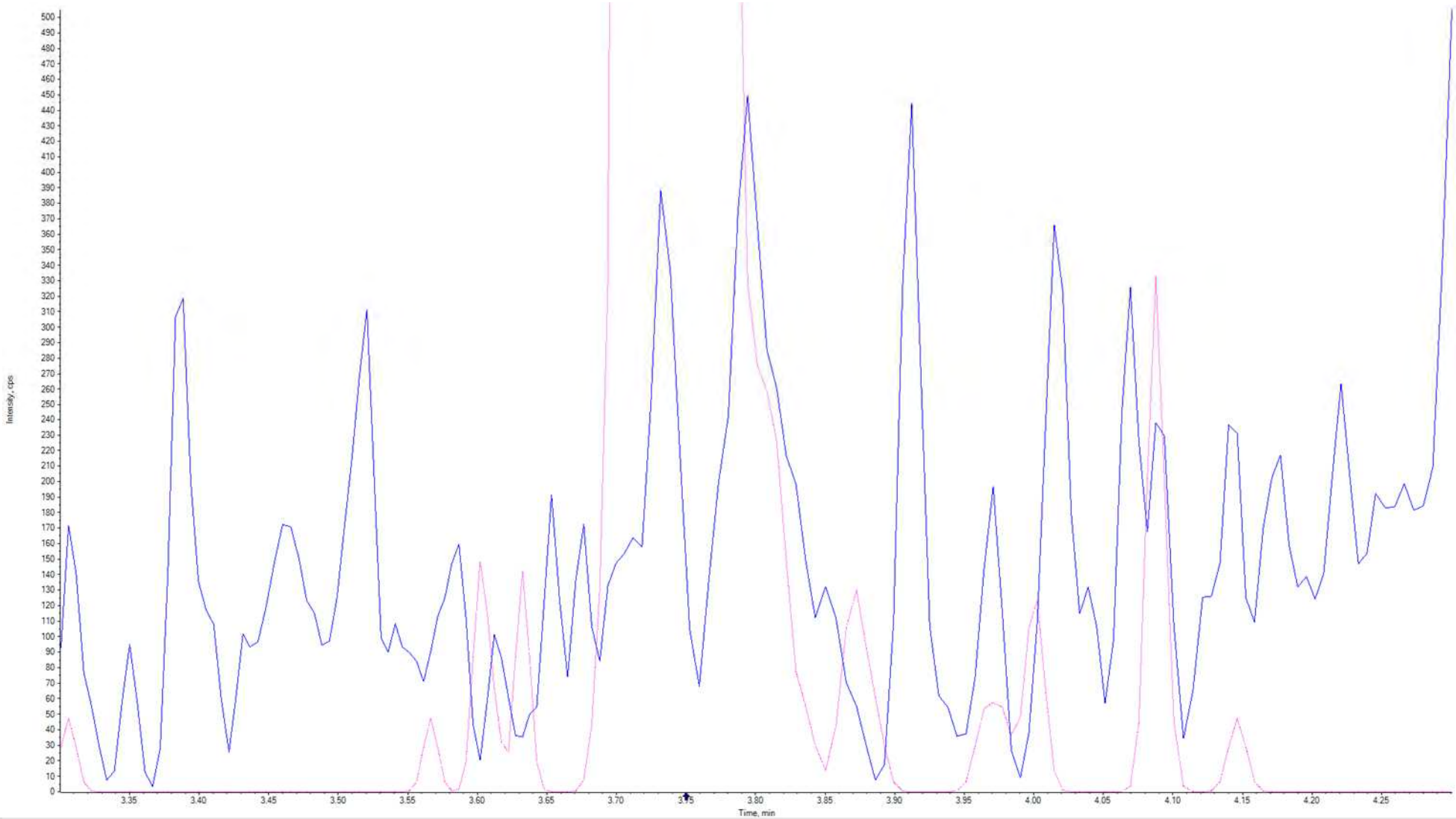

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PFDA_2
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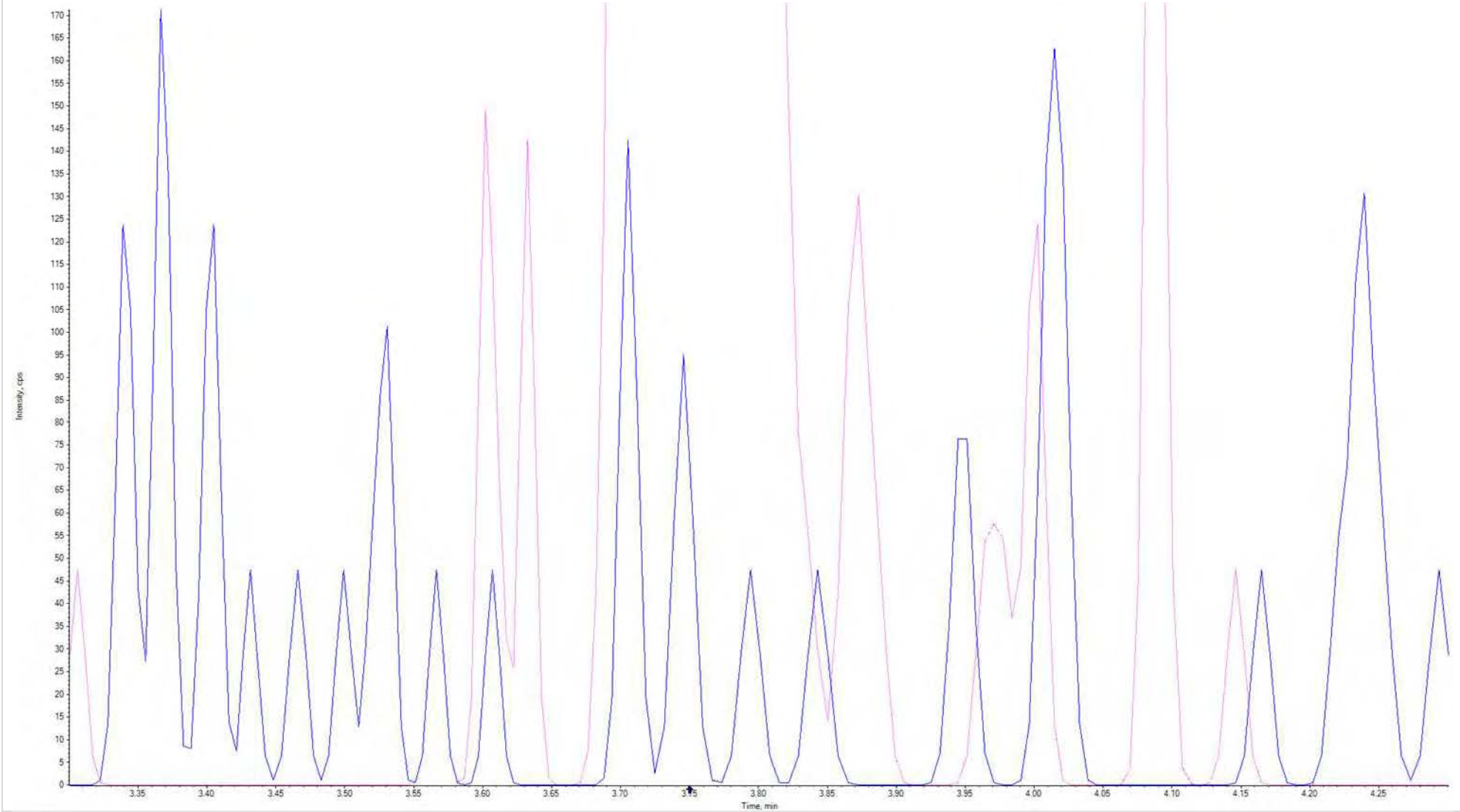

PFUnA
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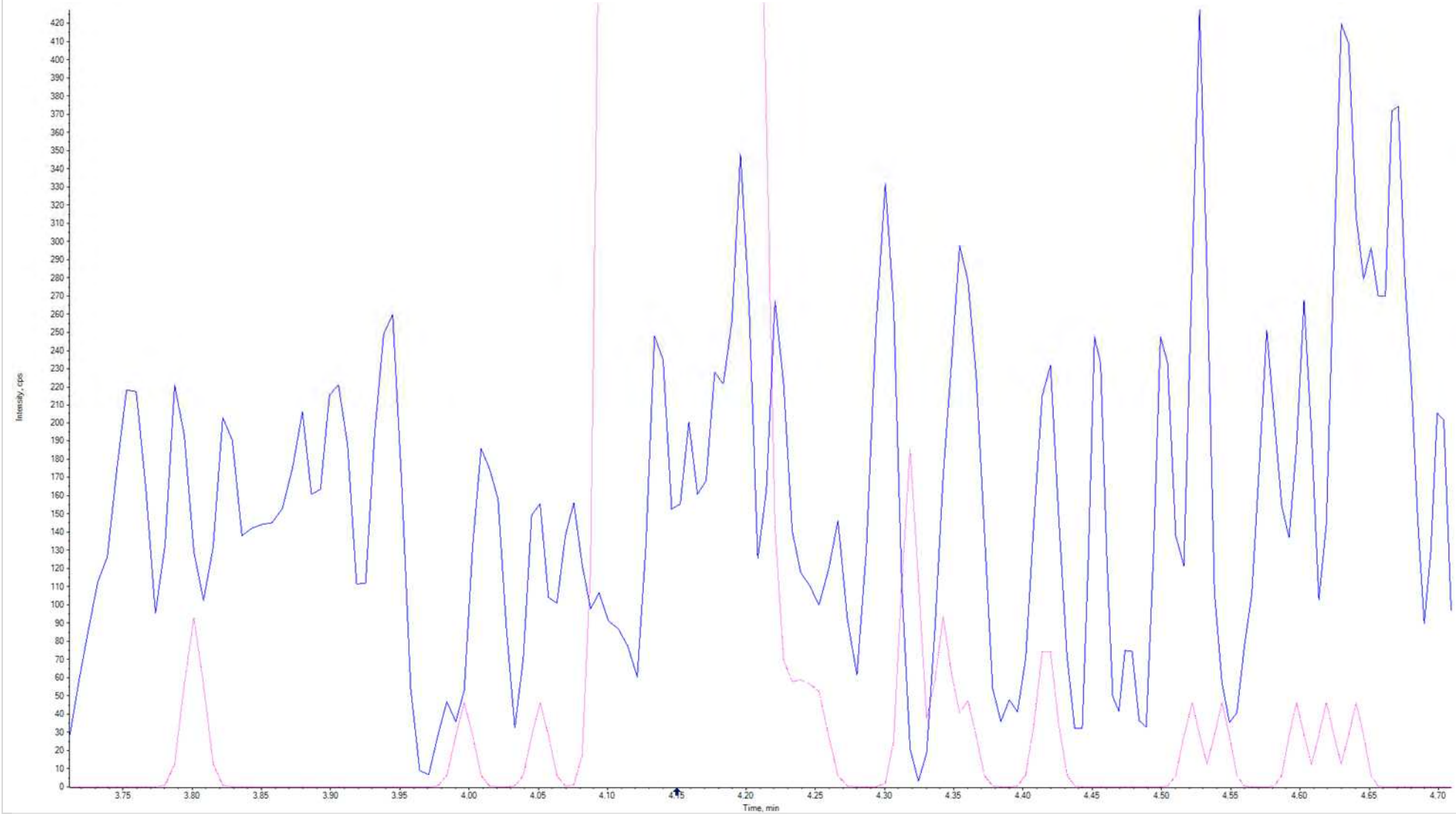

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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PFUnA_2
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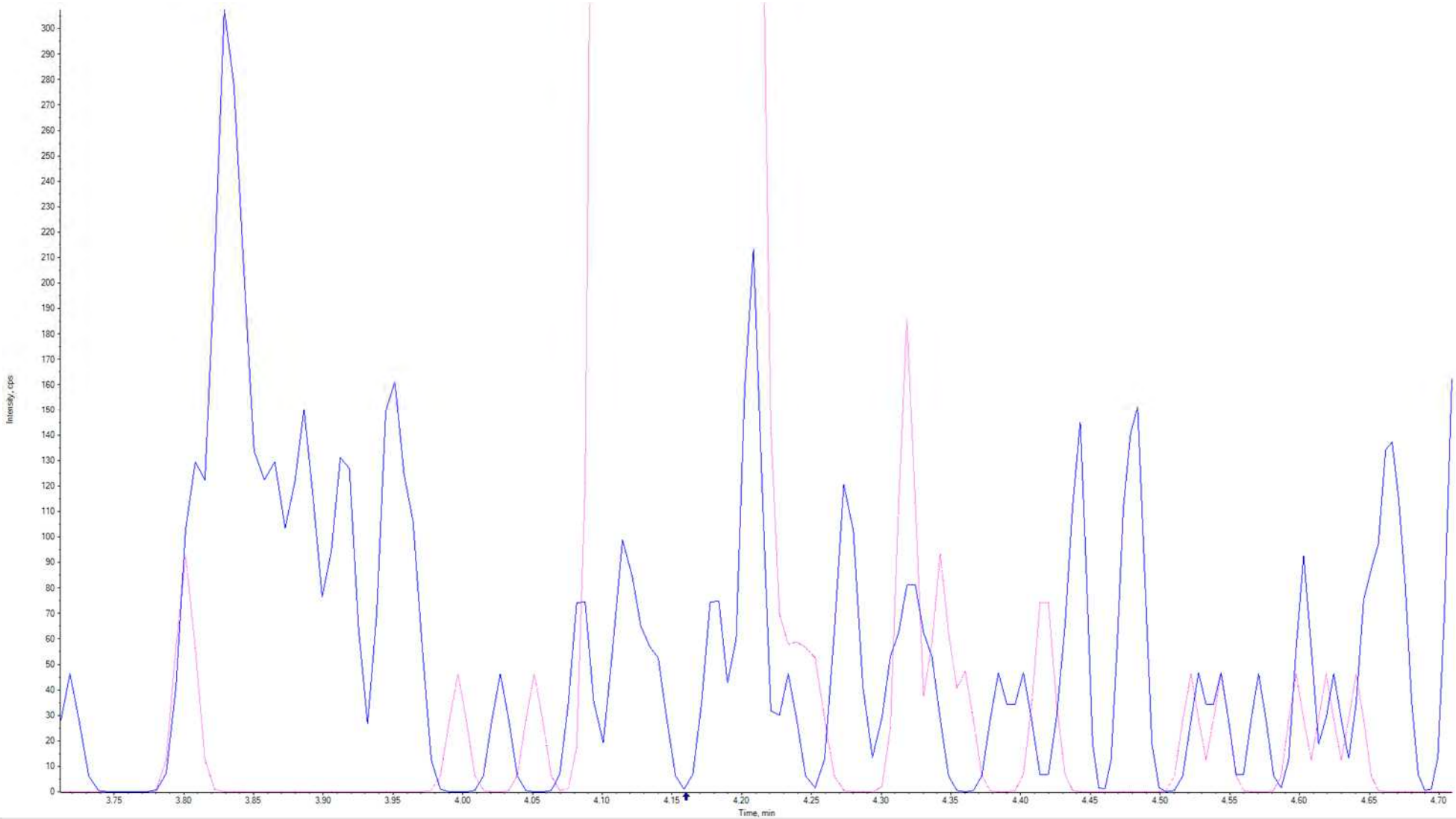

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PFDoA
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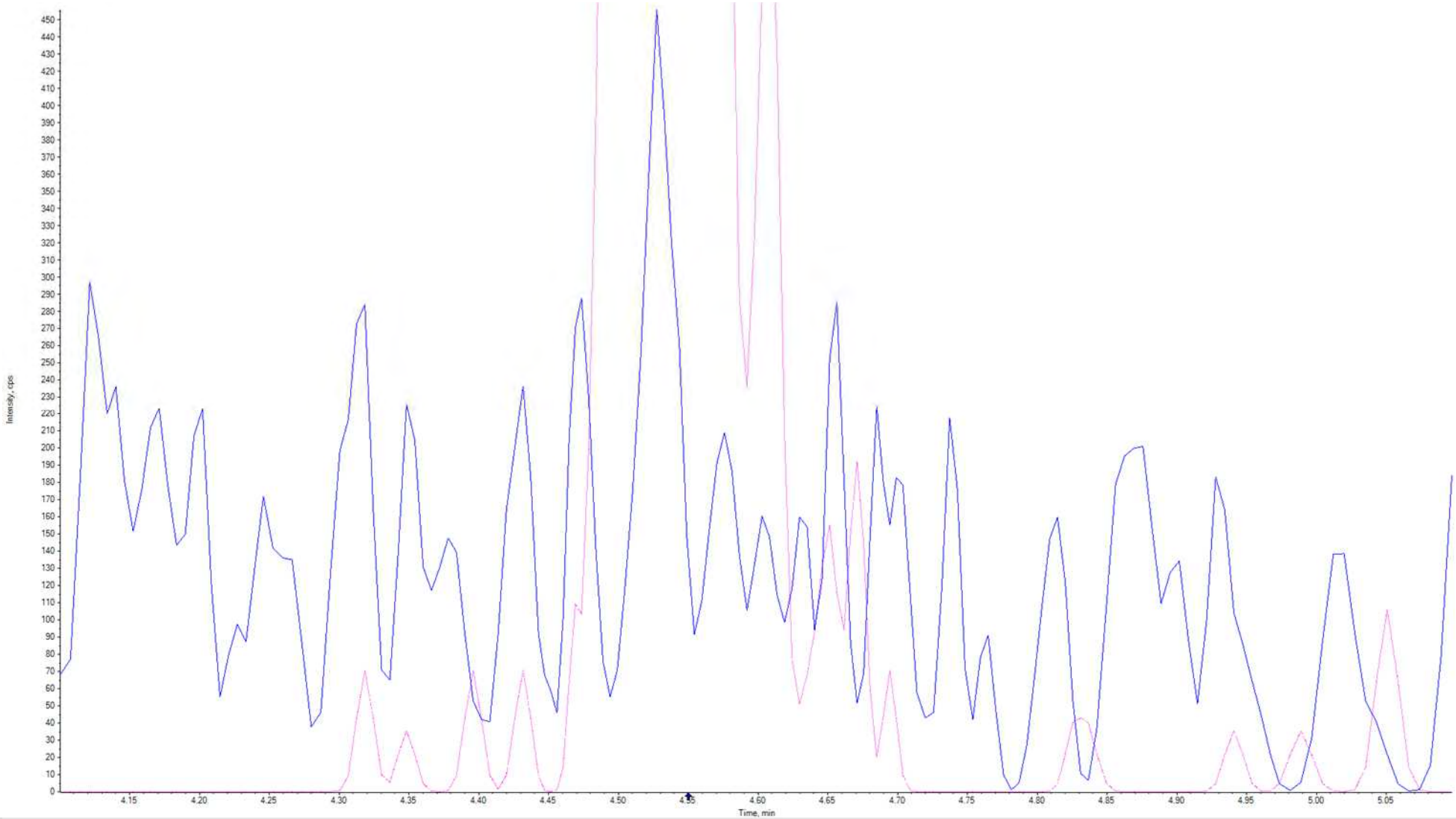

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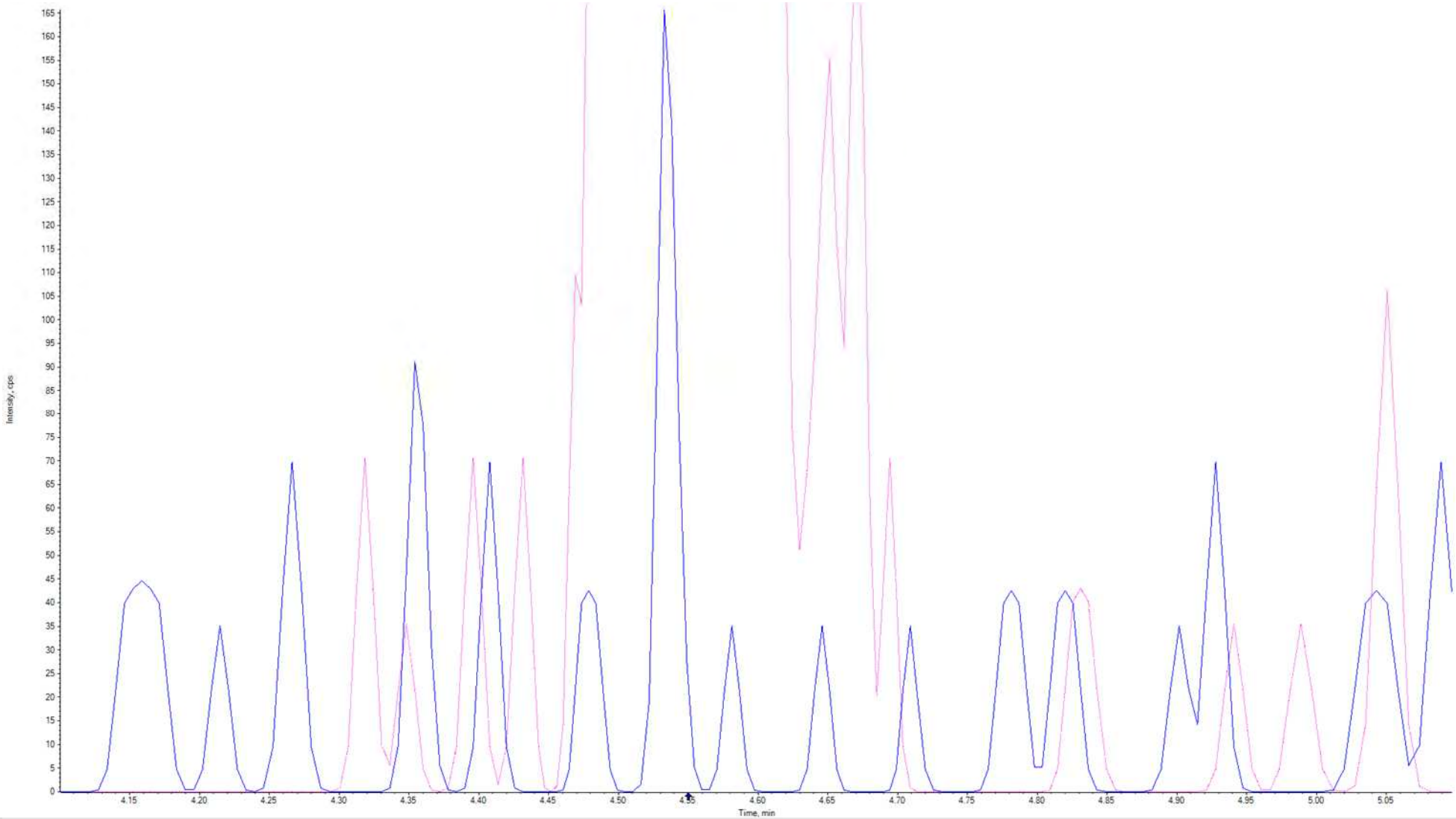

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PFTrDA
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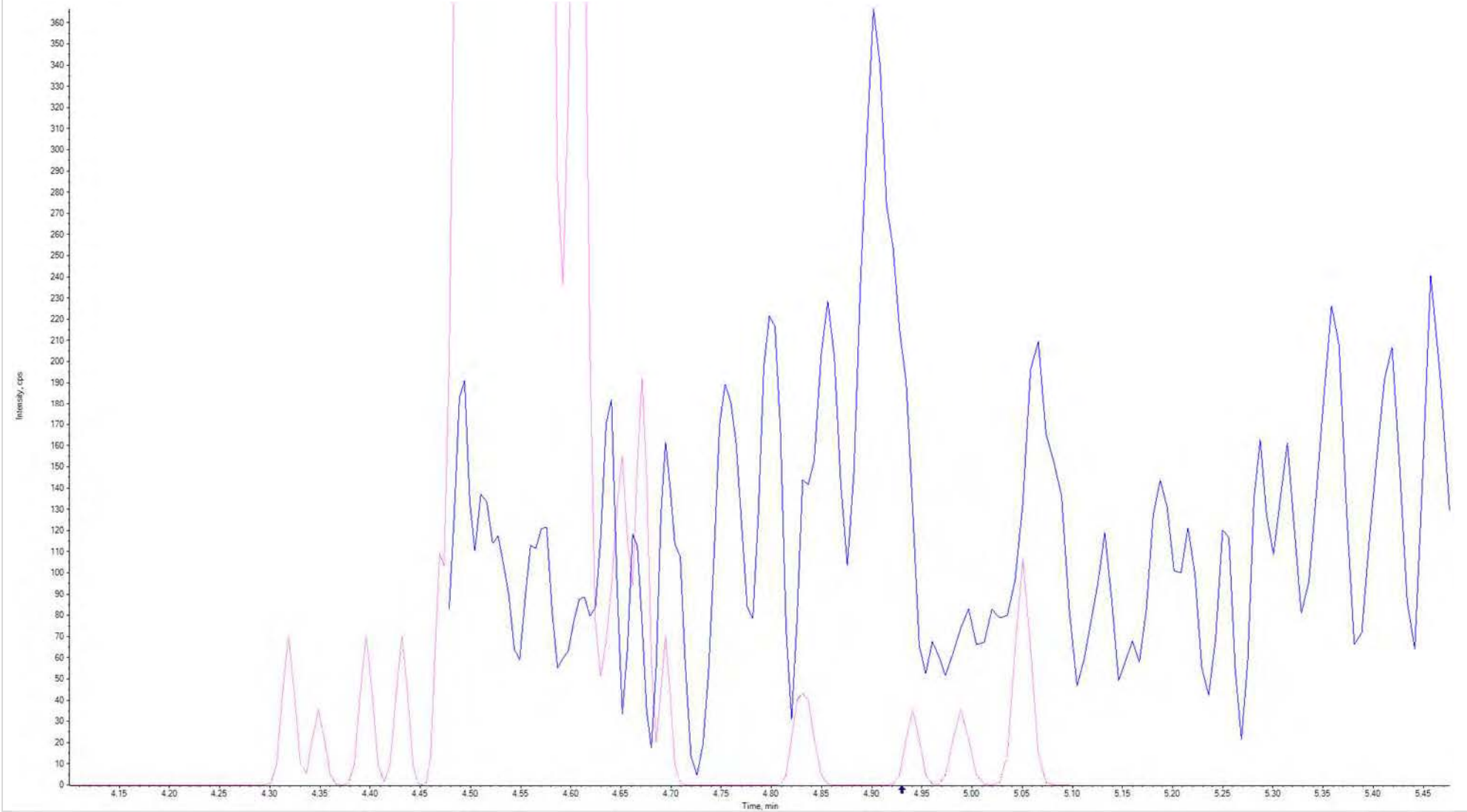

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PFTrDA_2
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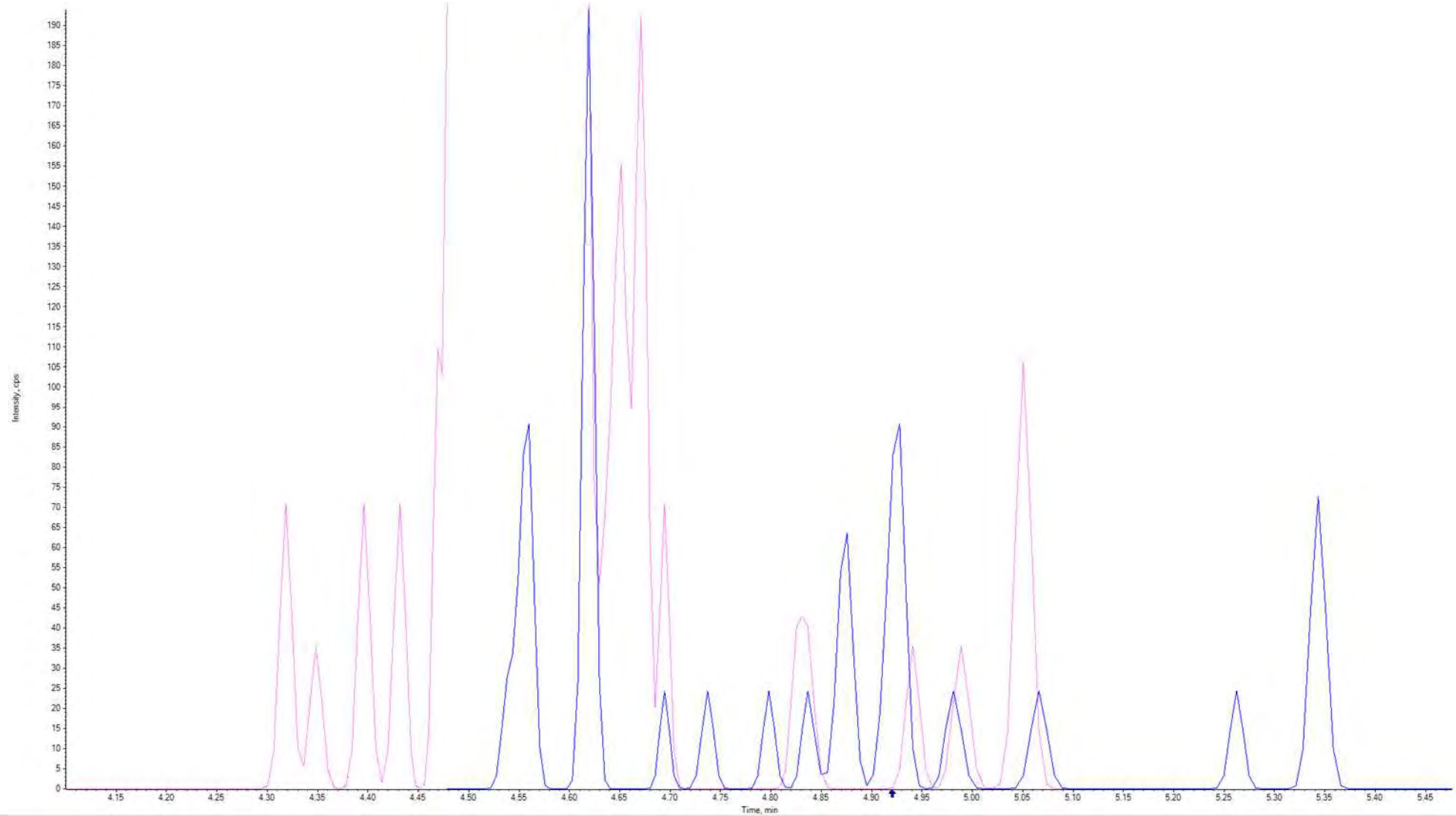

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PFTeDA
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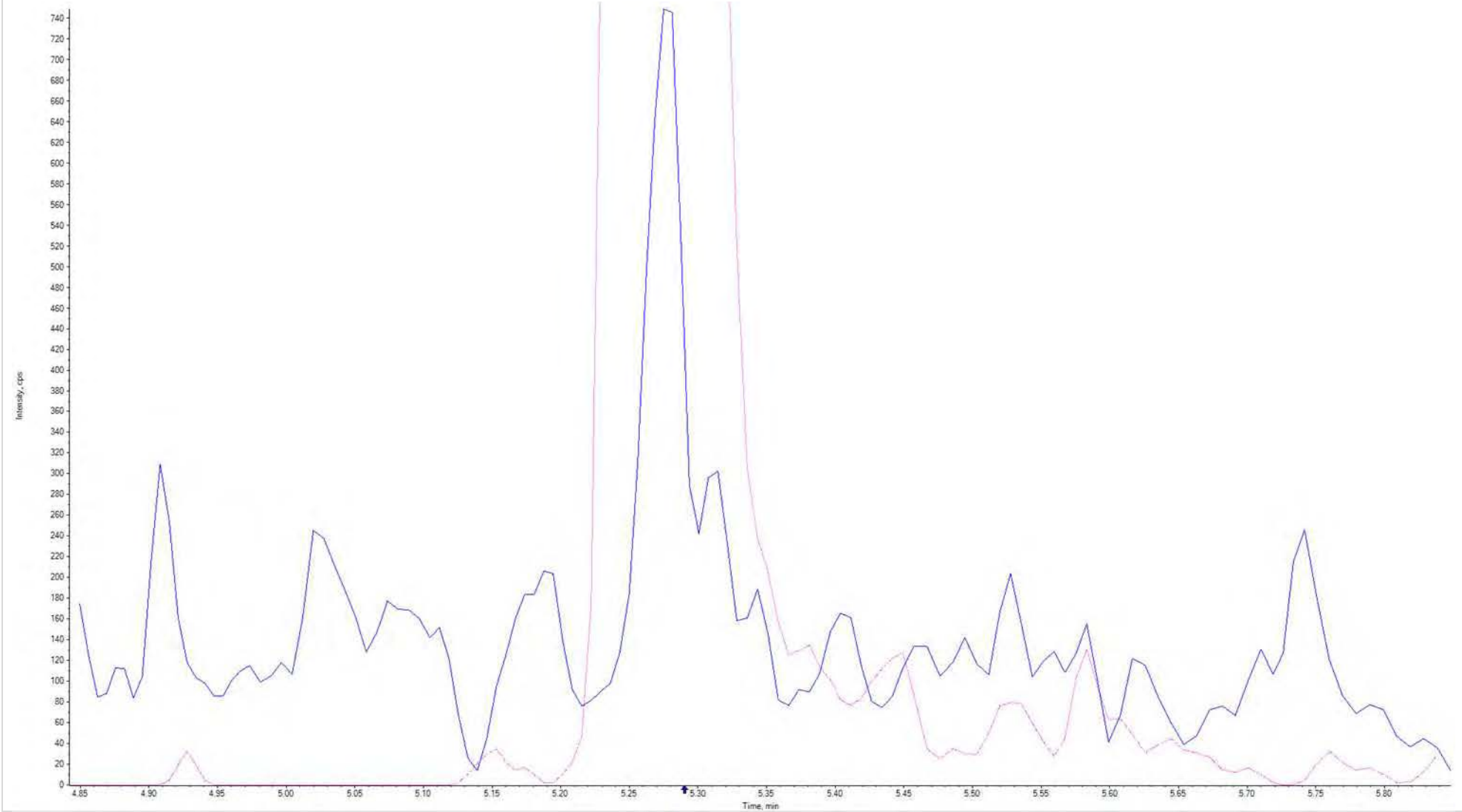

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PFTeDA_2
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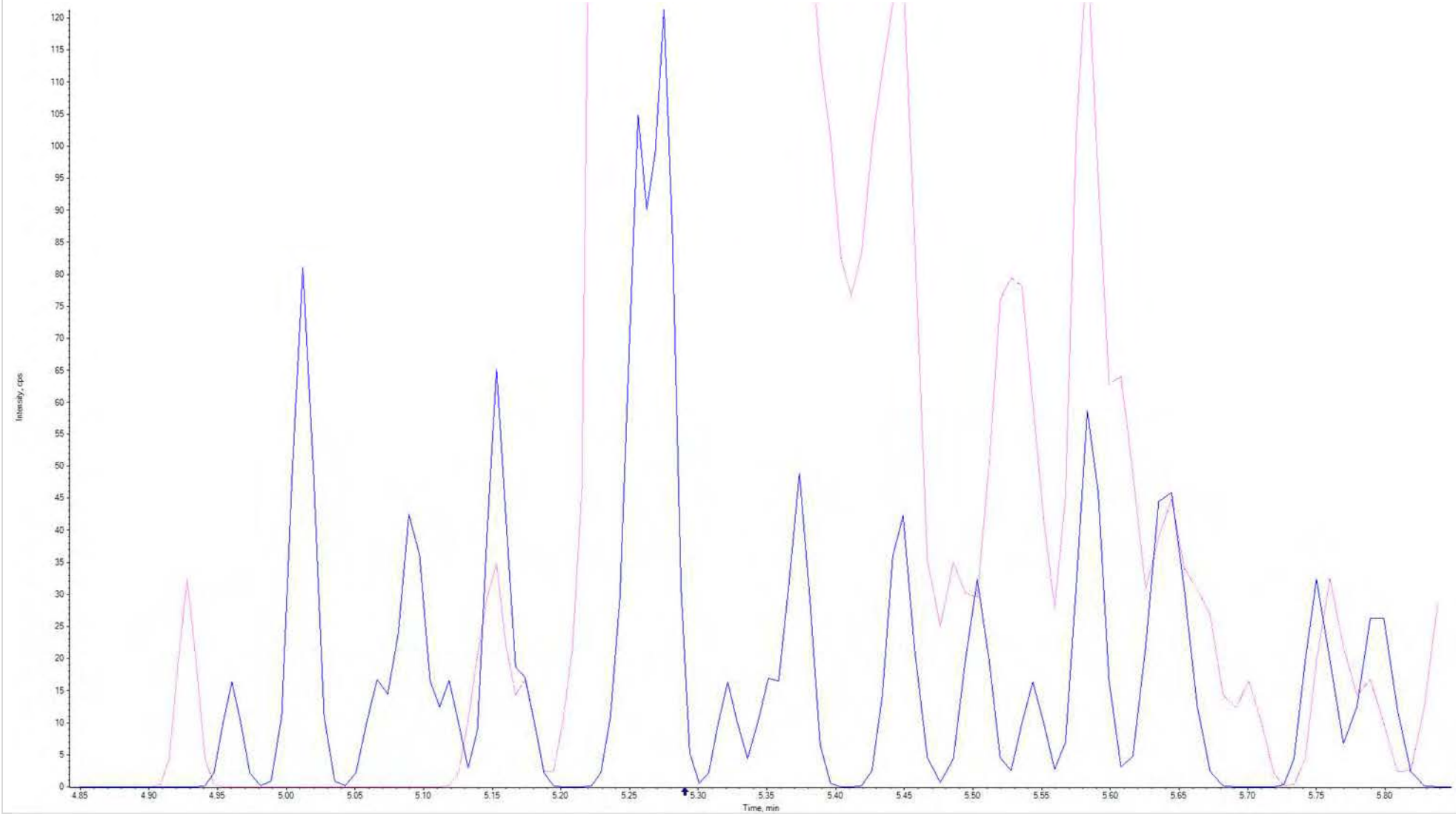

PFBS
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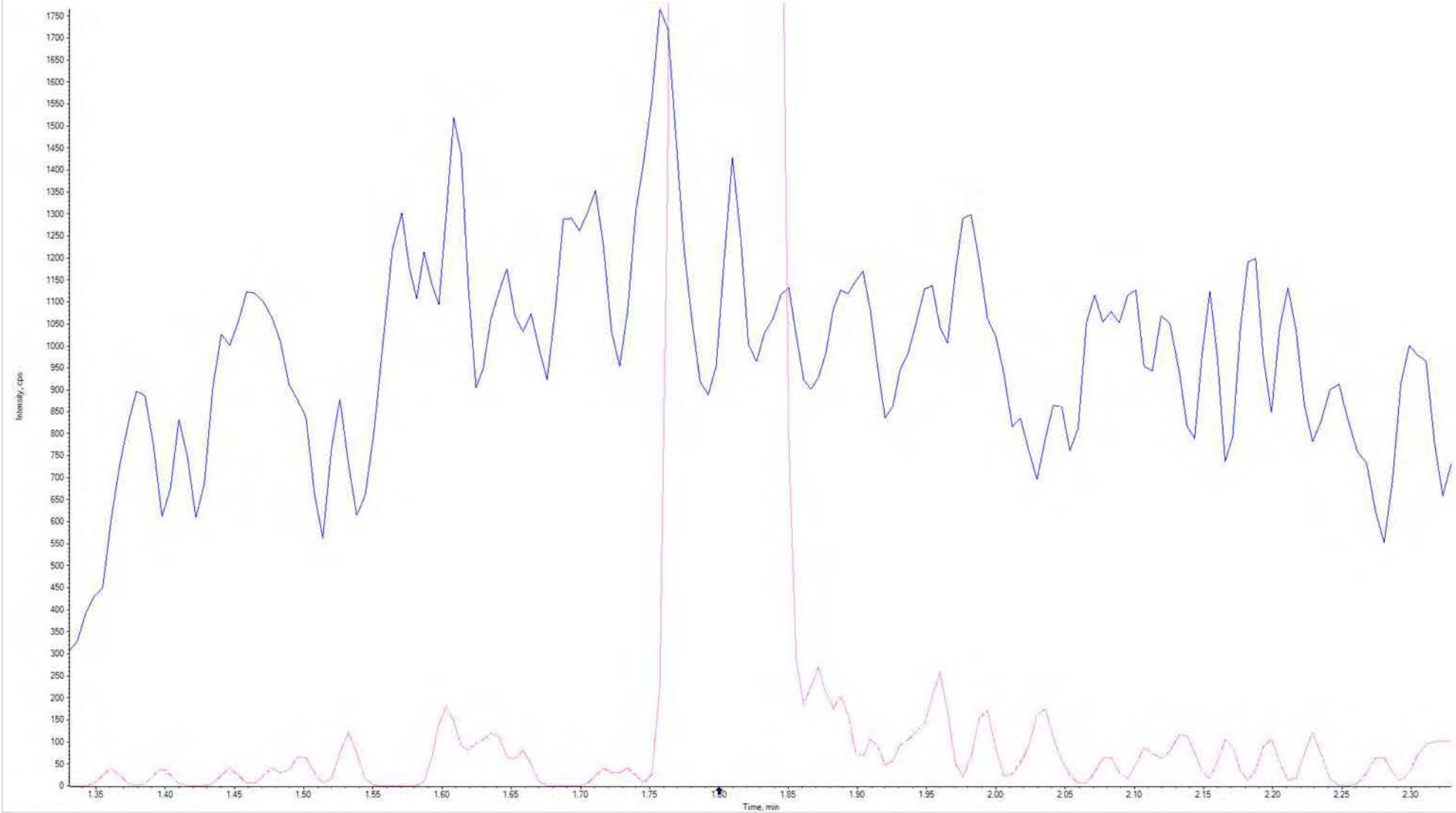

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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PFBS_2
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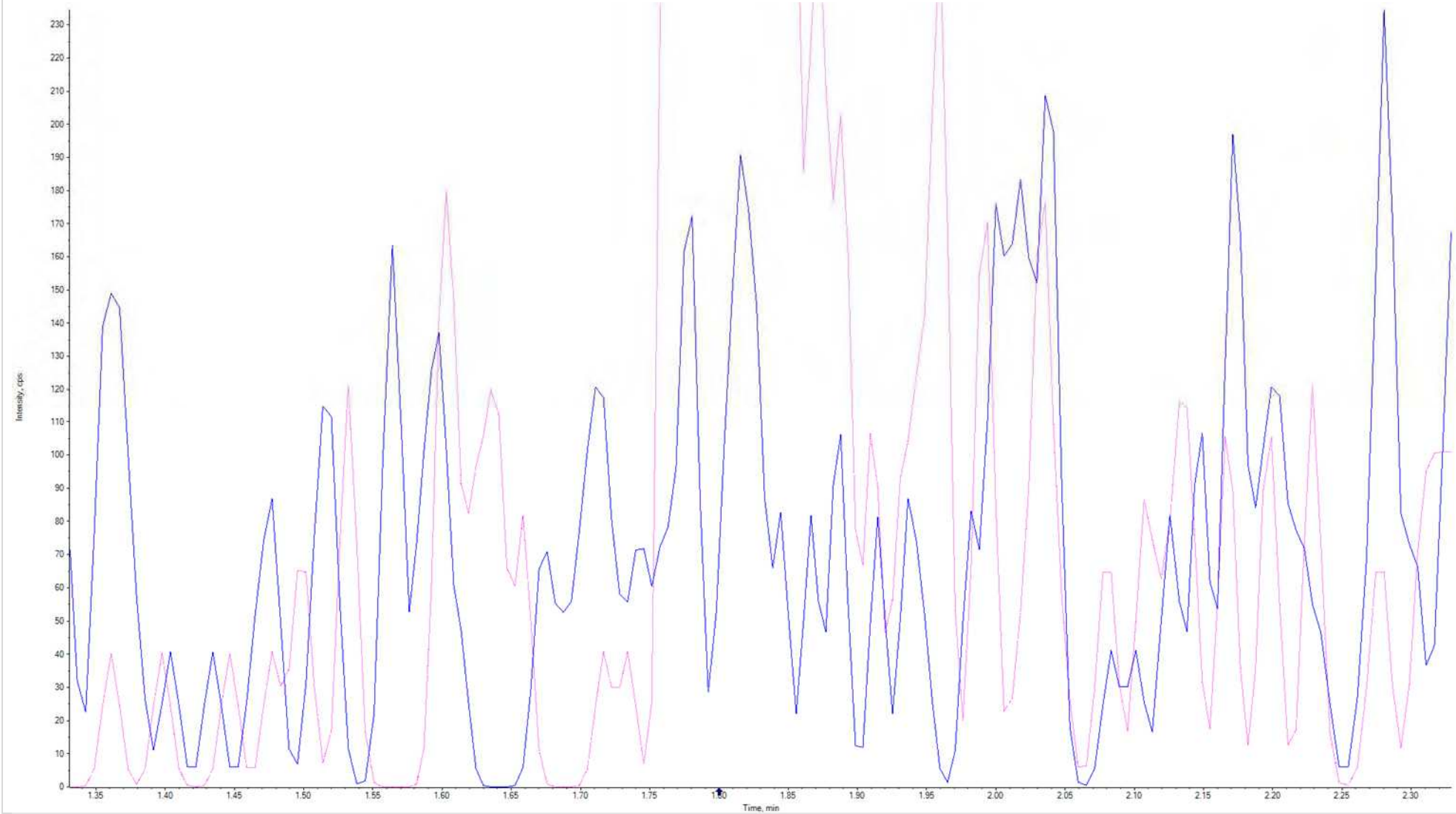

PFPeS
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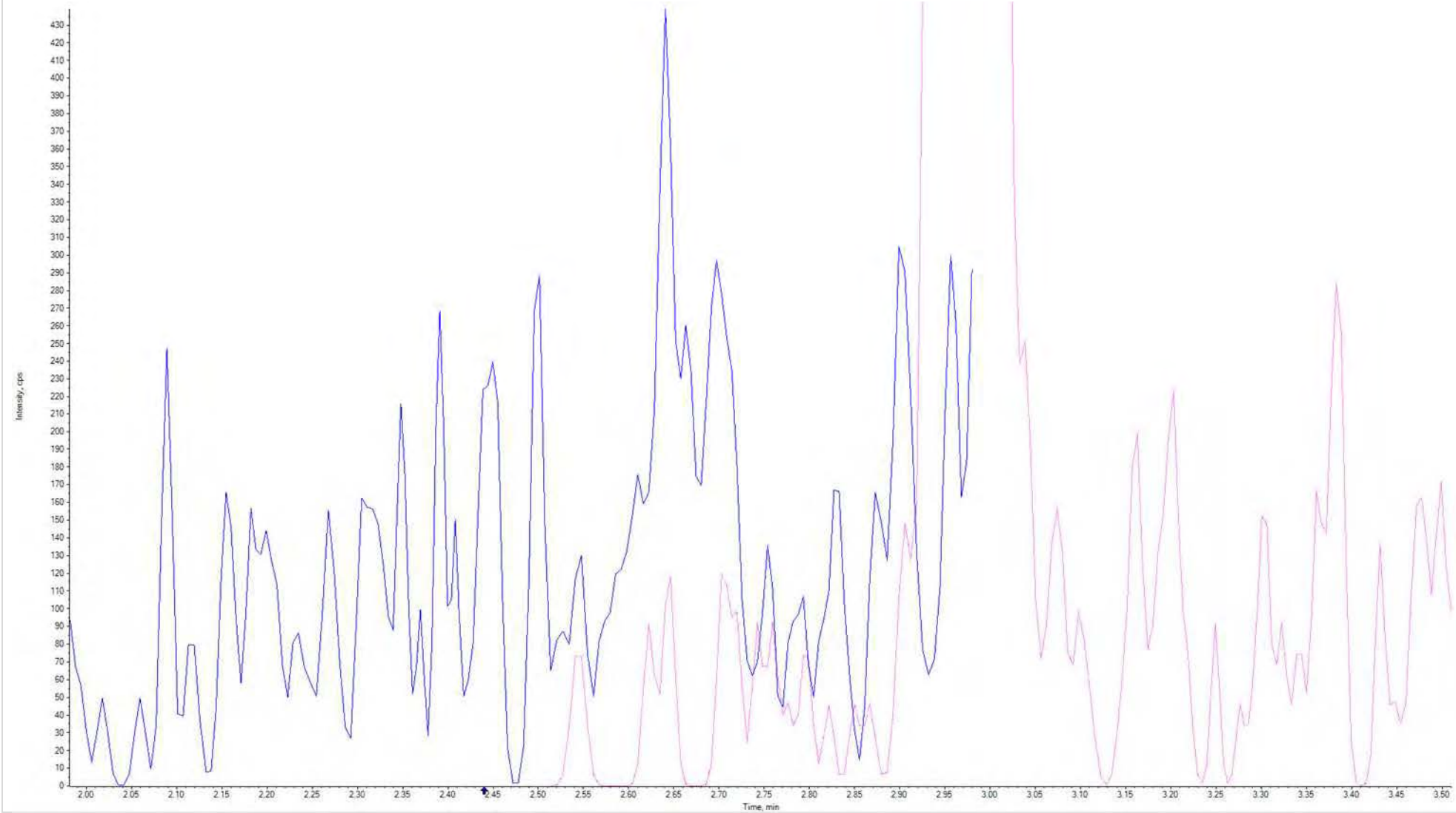

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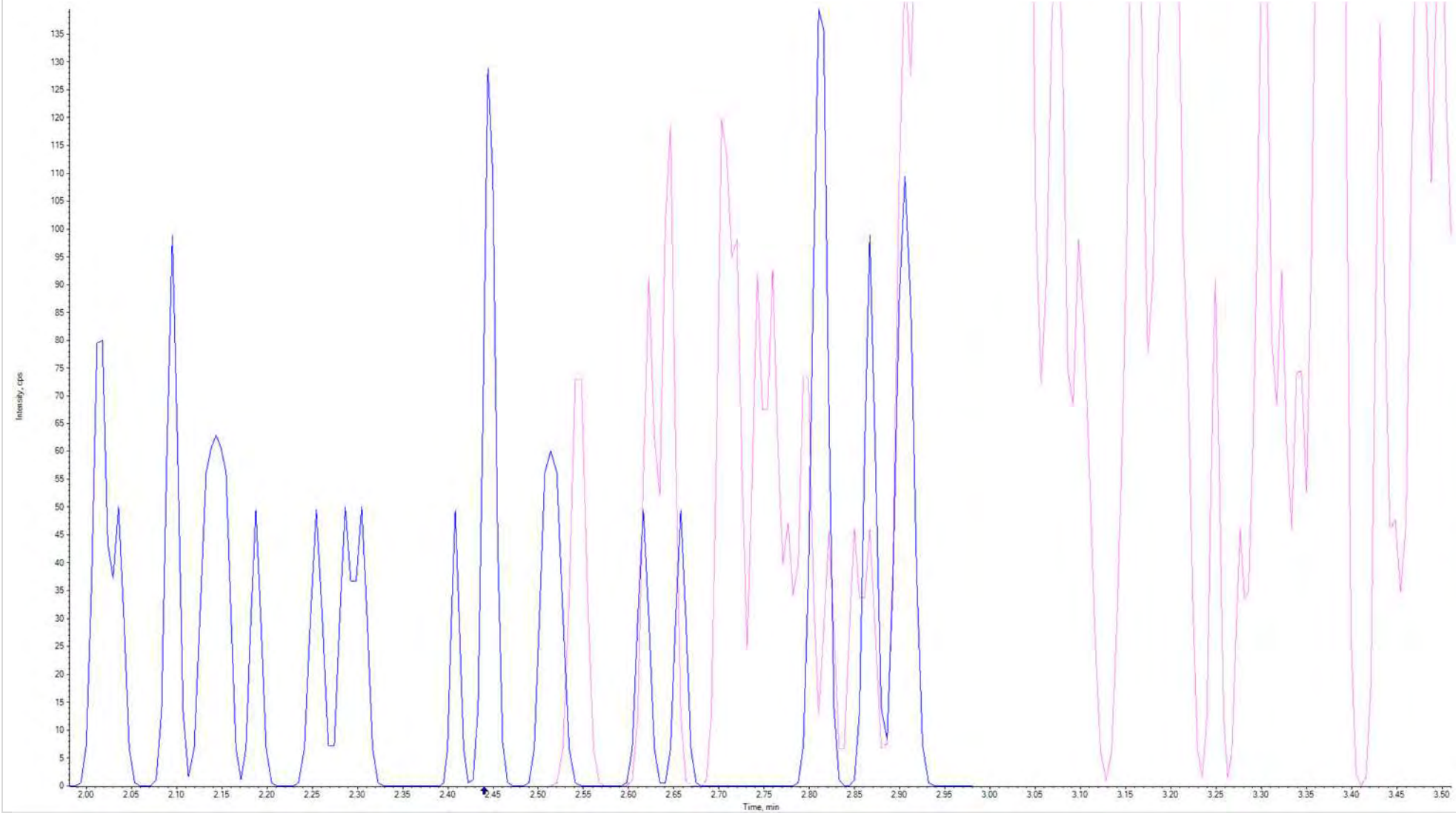

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PFHxS
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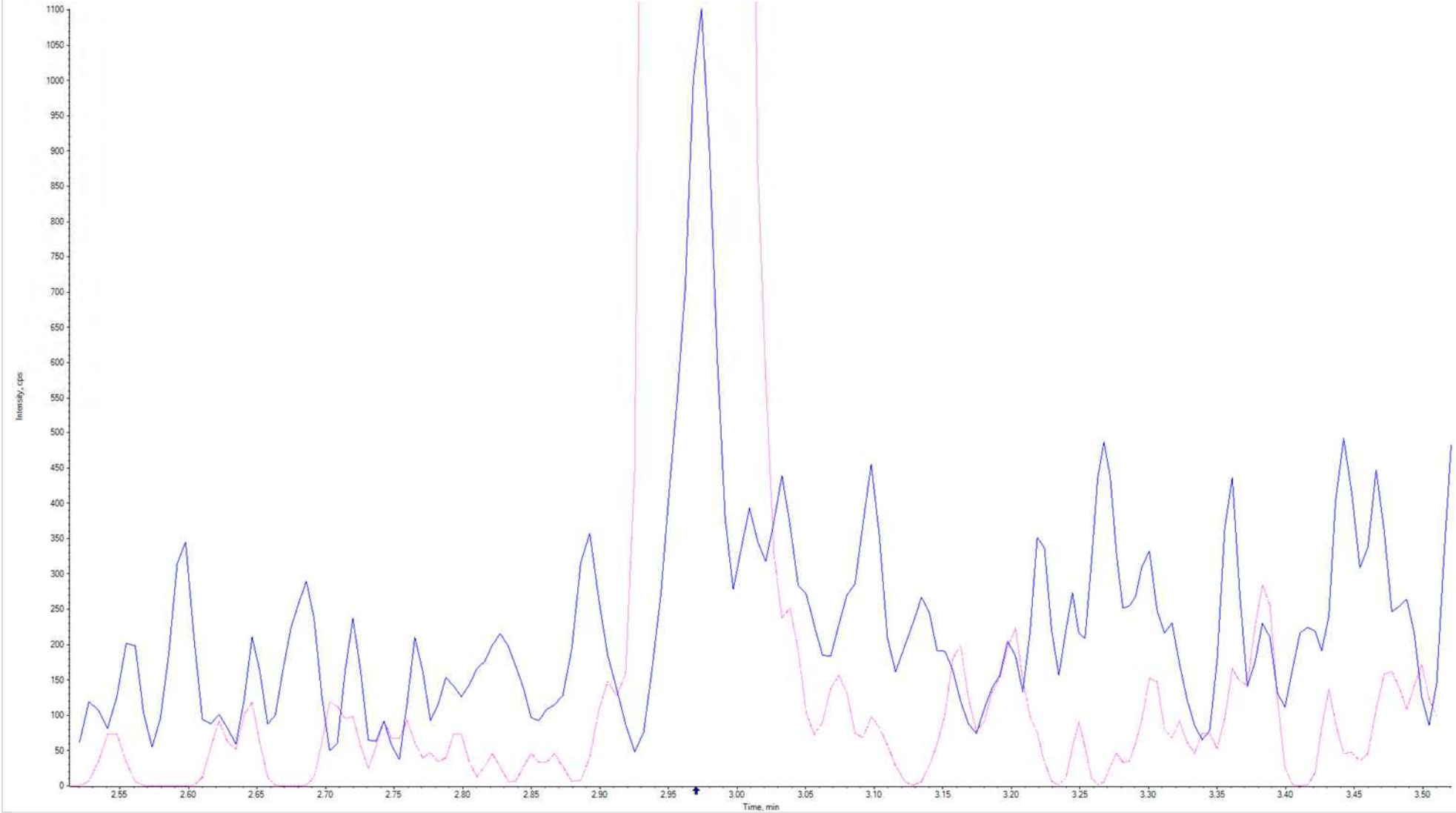

PFHxS_2
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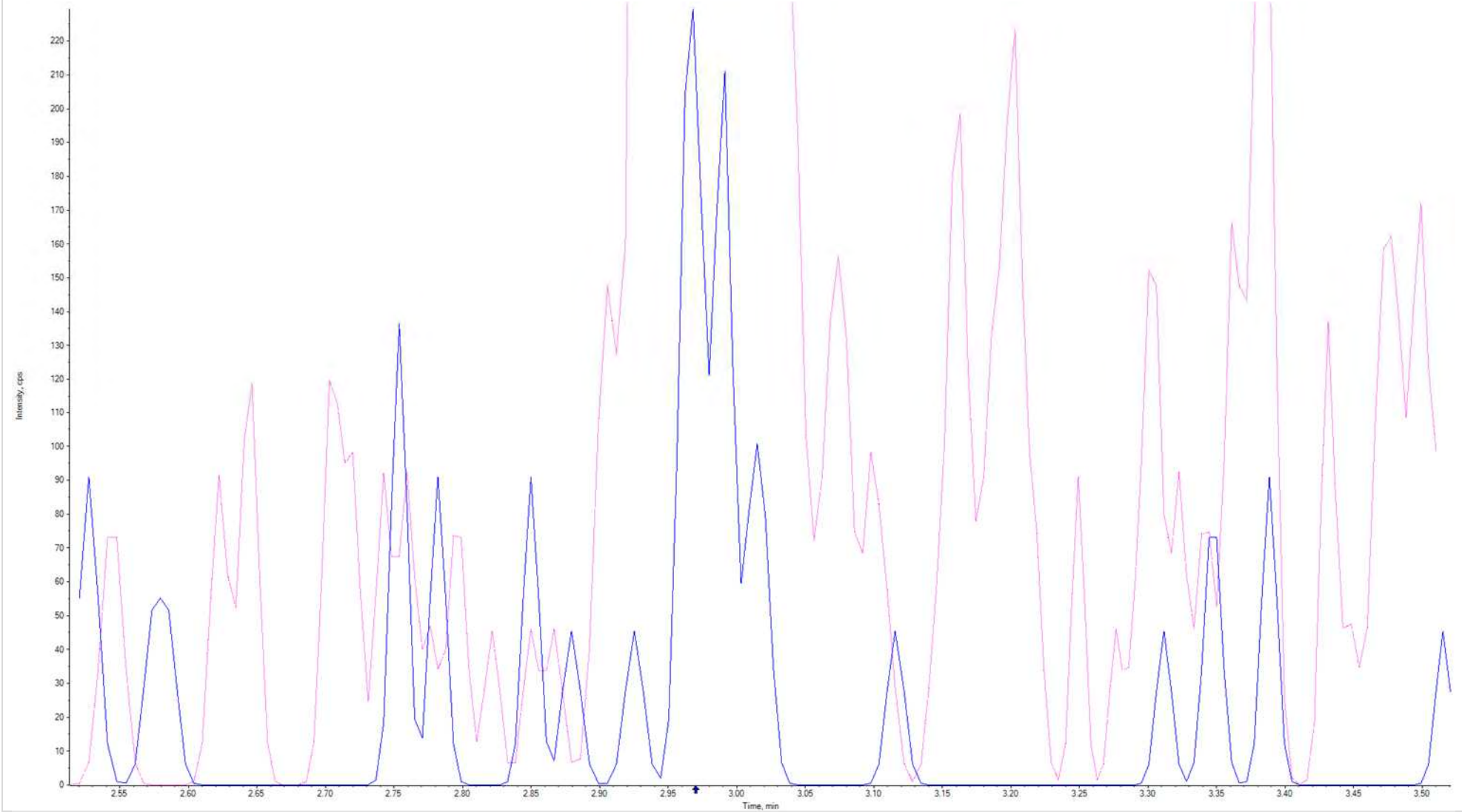

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PFHpS
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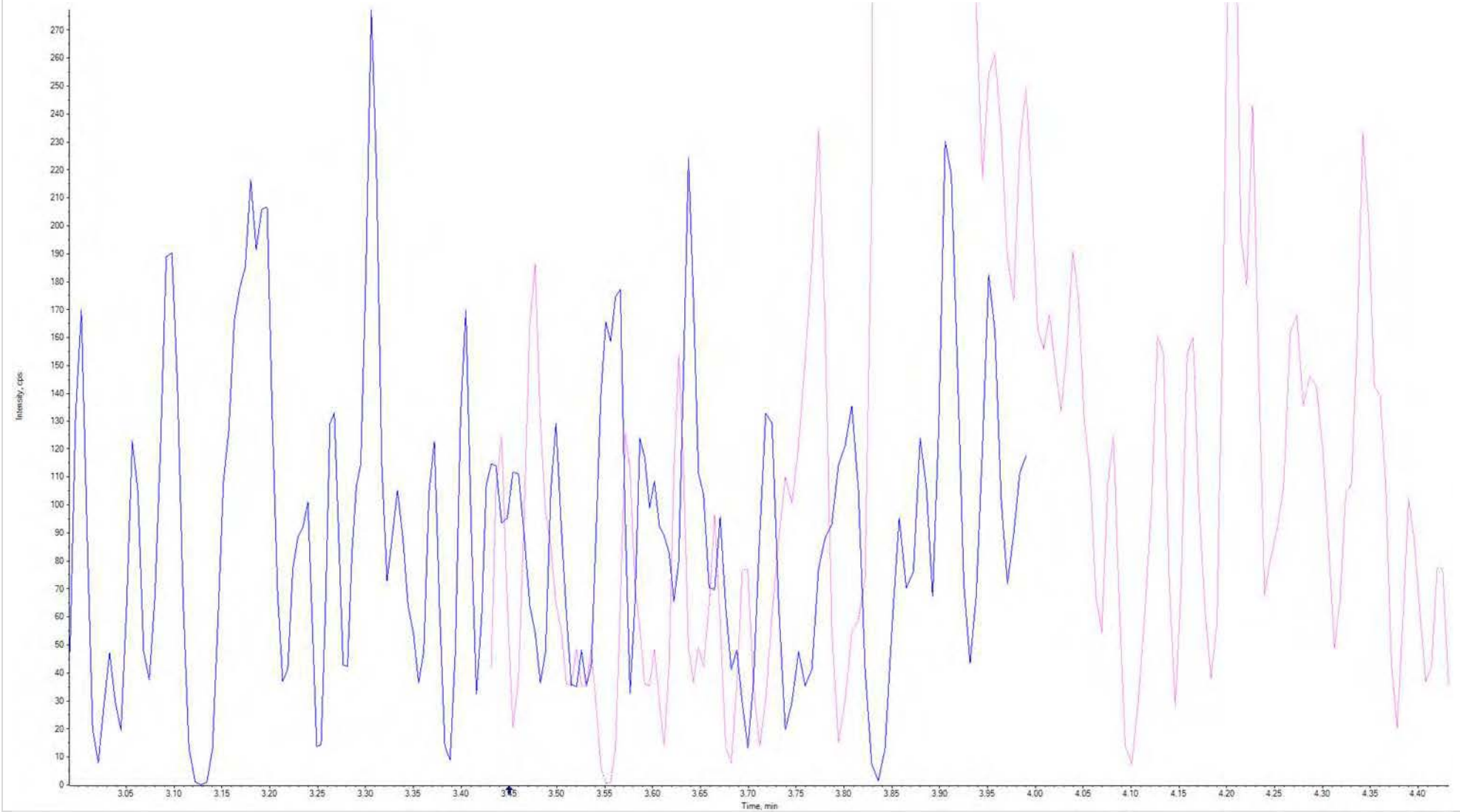

PFHpS_2
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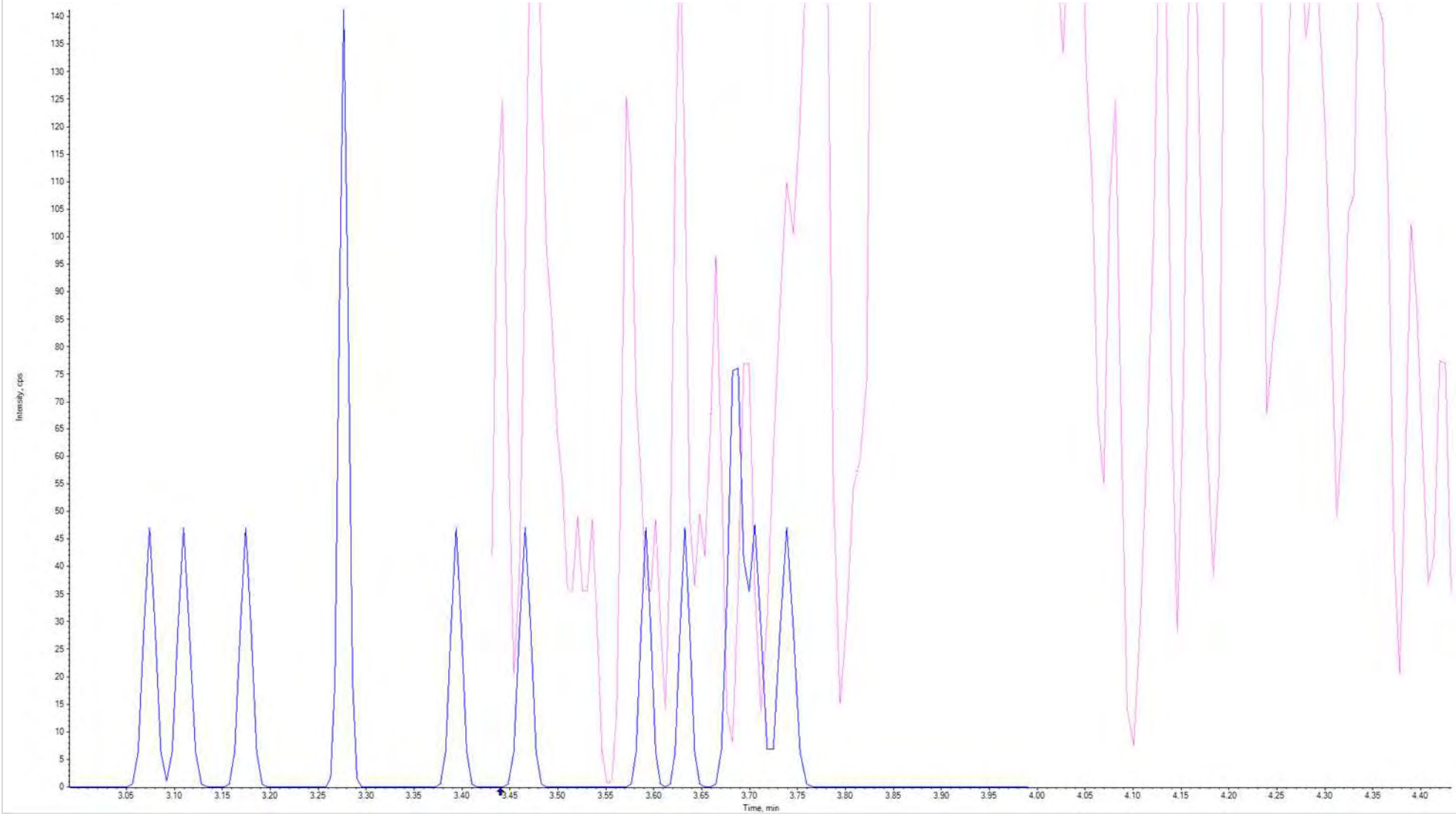

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PFOS
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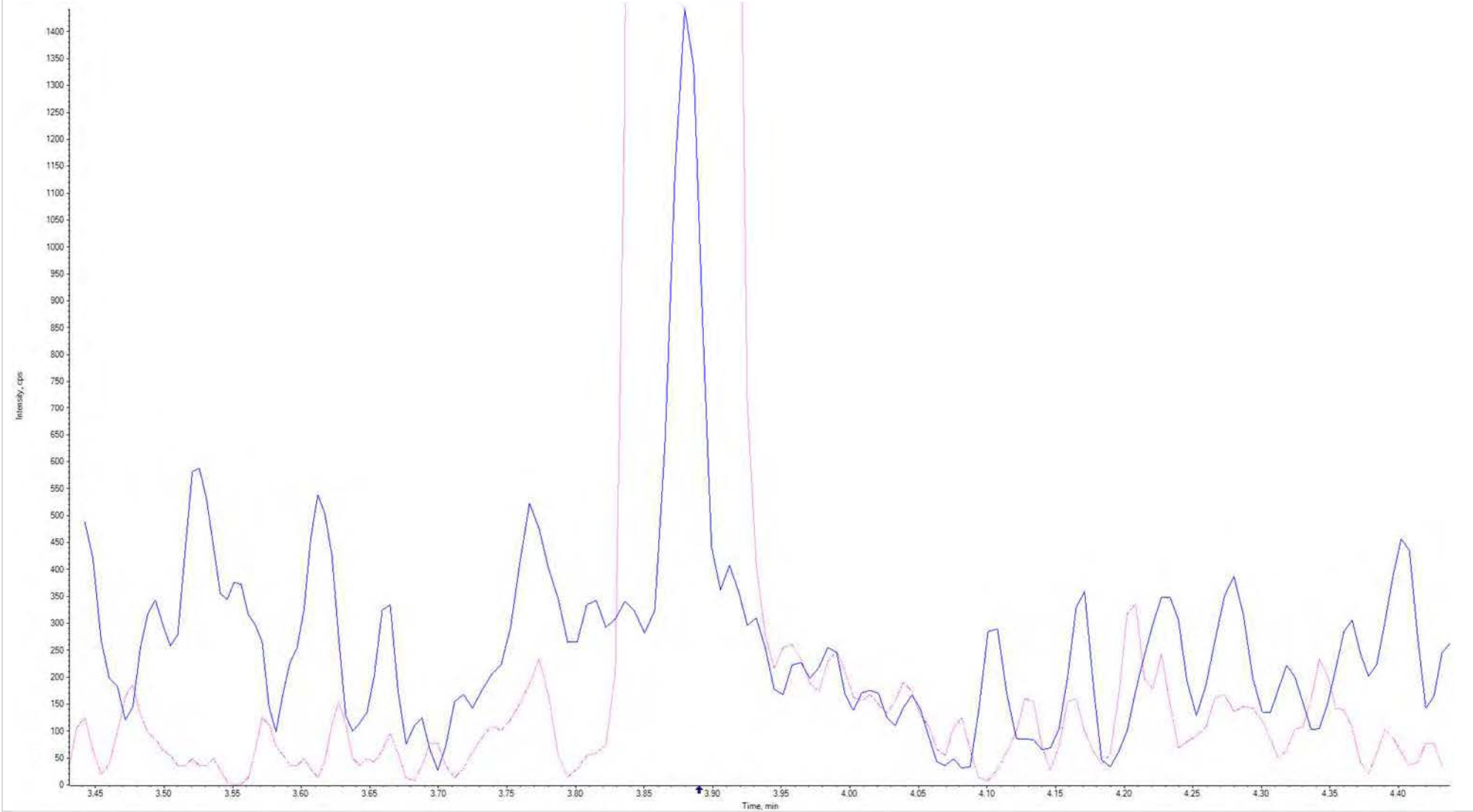

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PFOS_2
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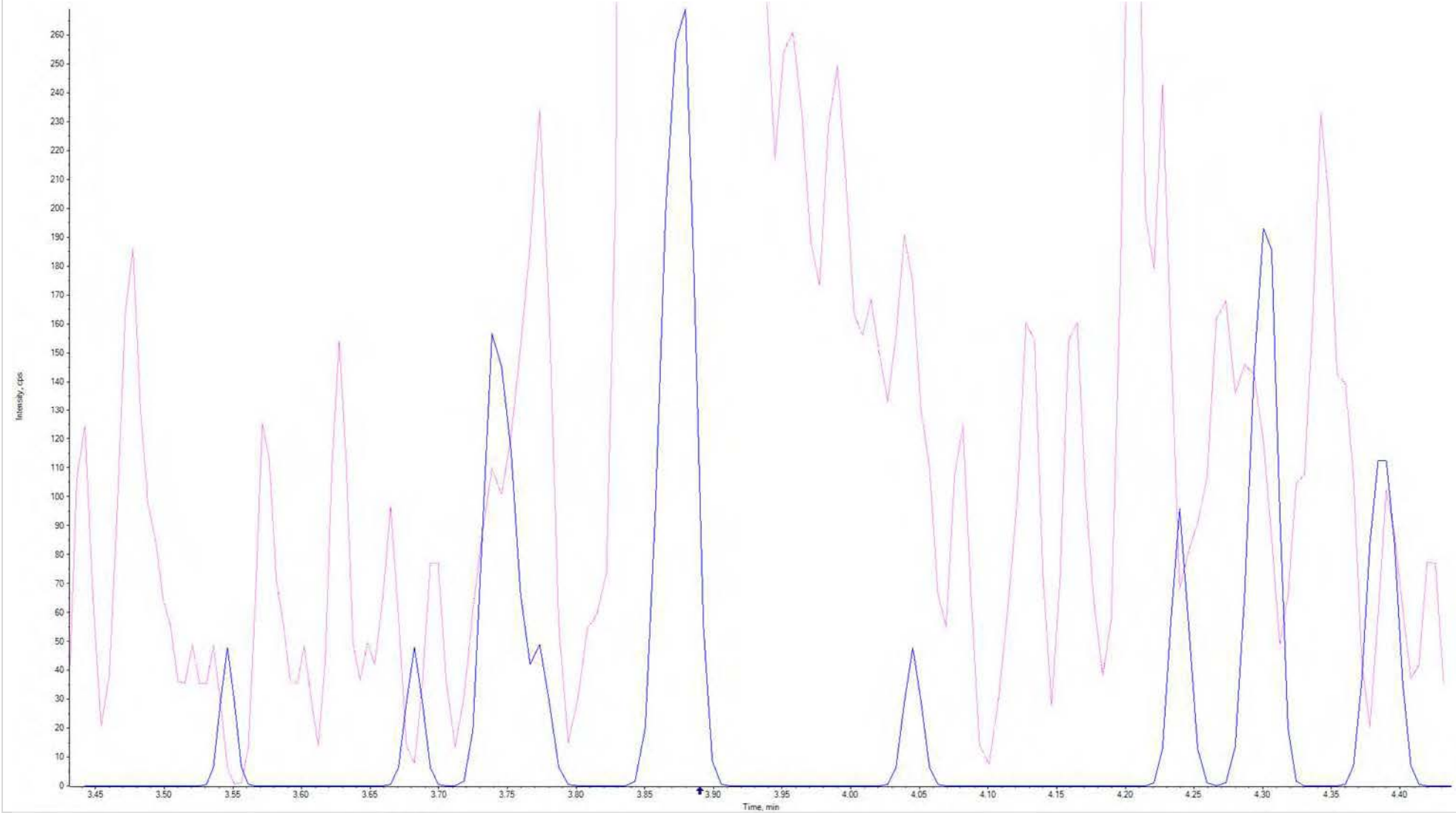

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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PFNS
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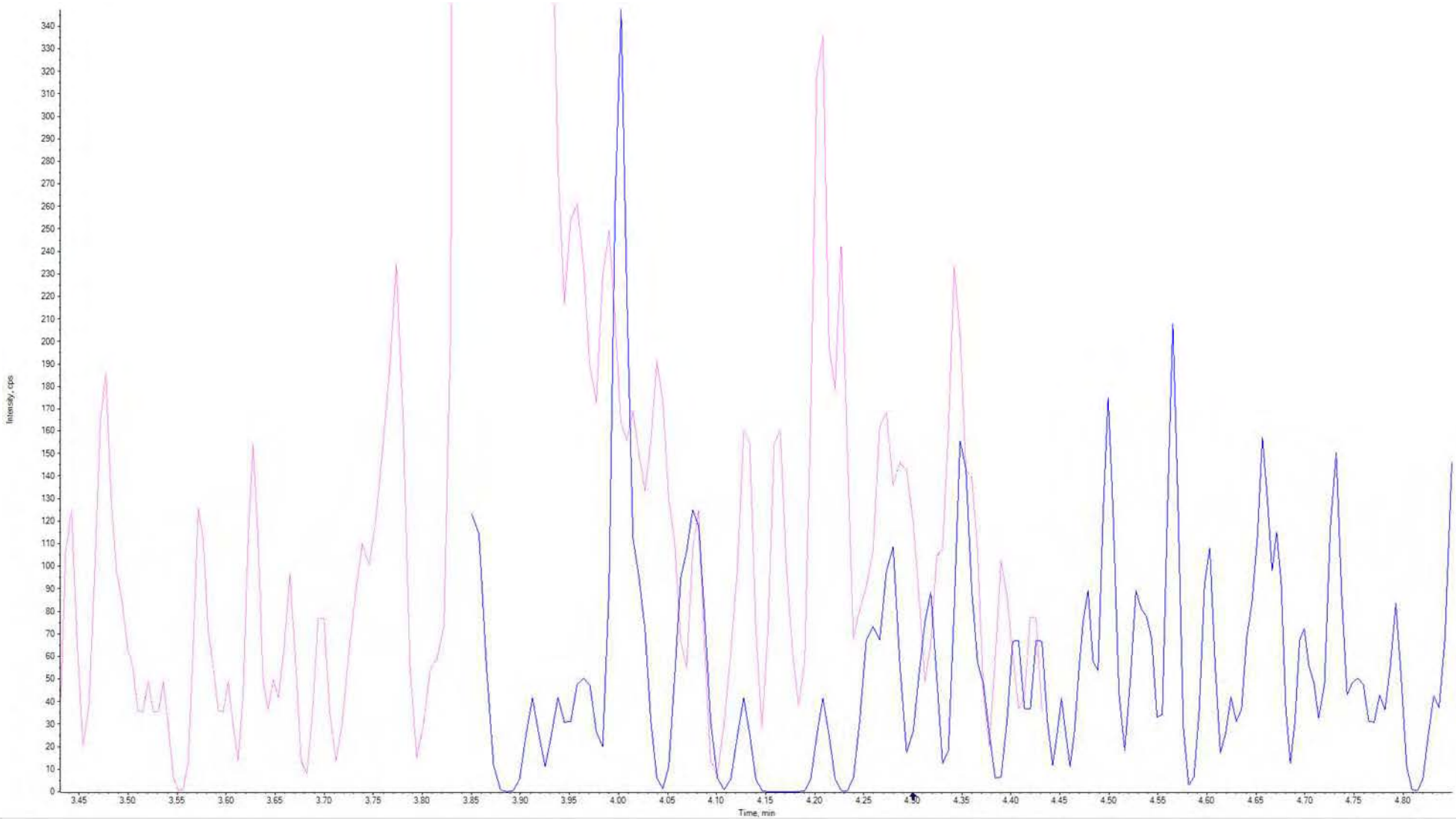

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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PFNS_2
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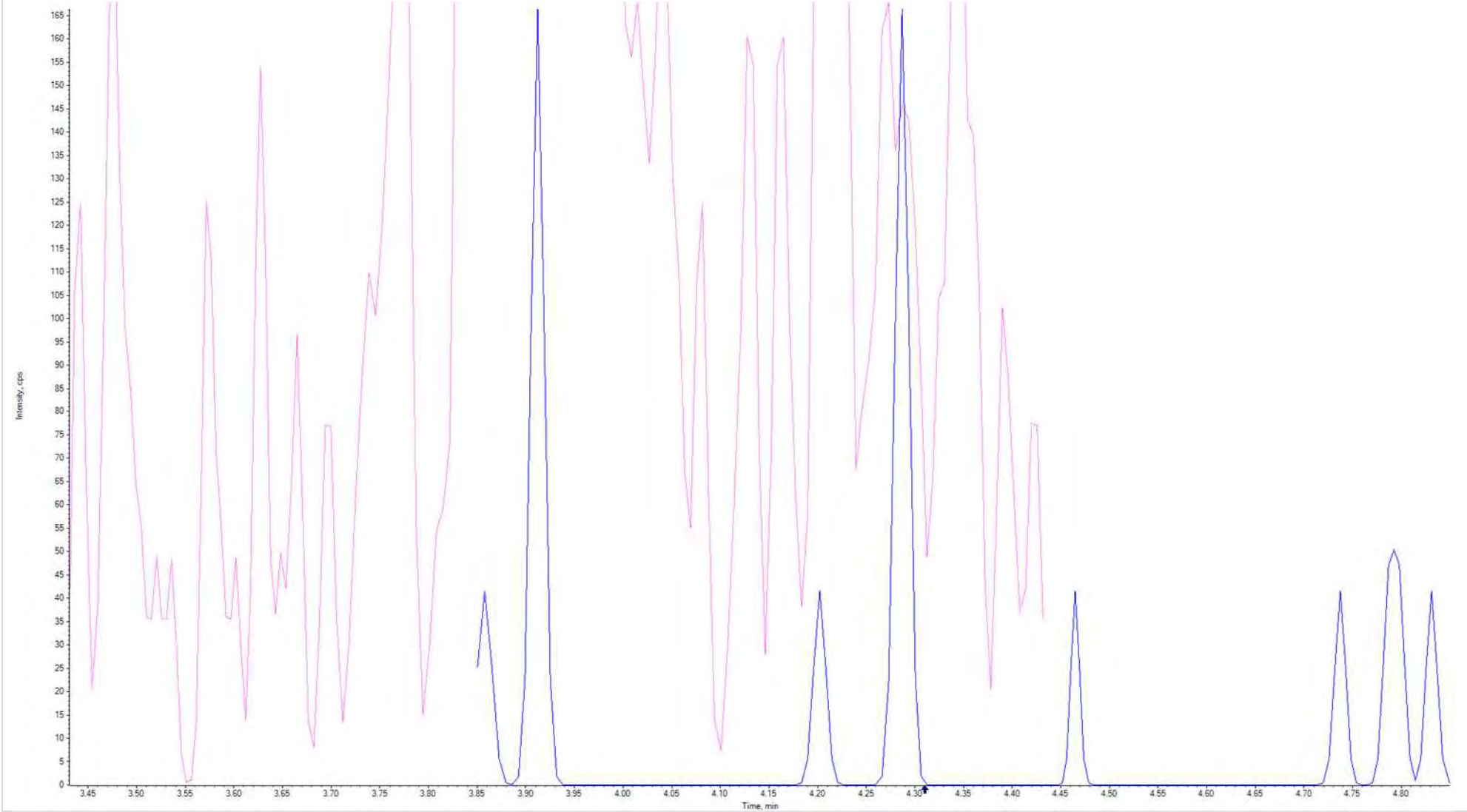

PFDS
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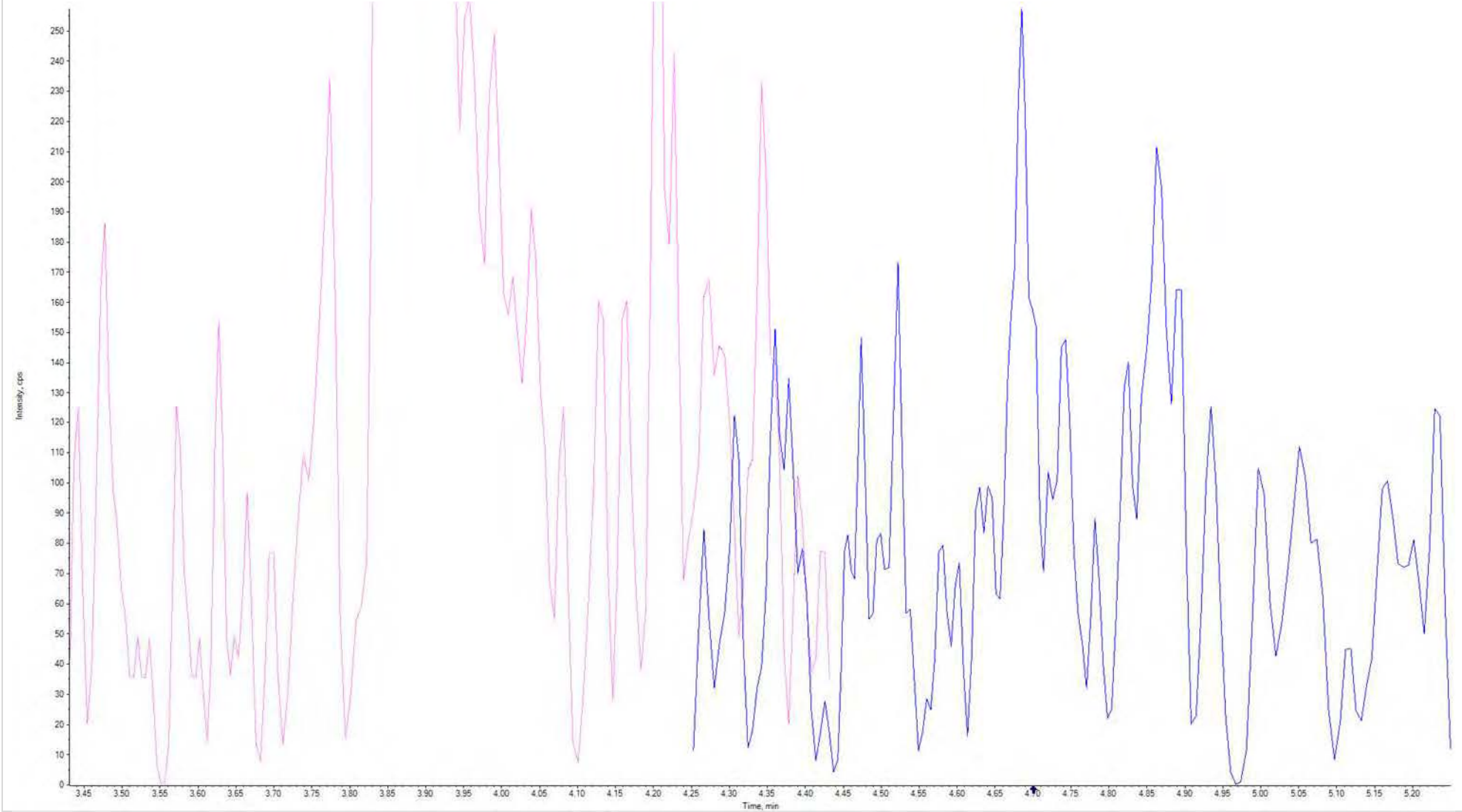

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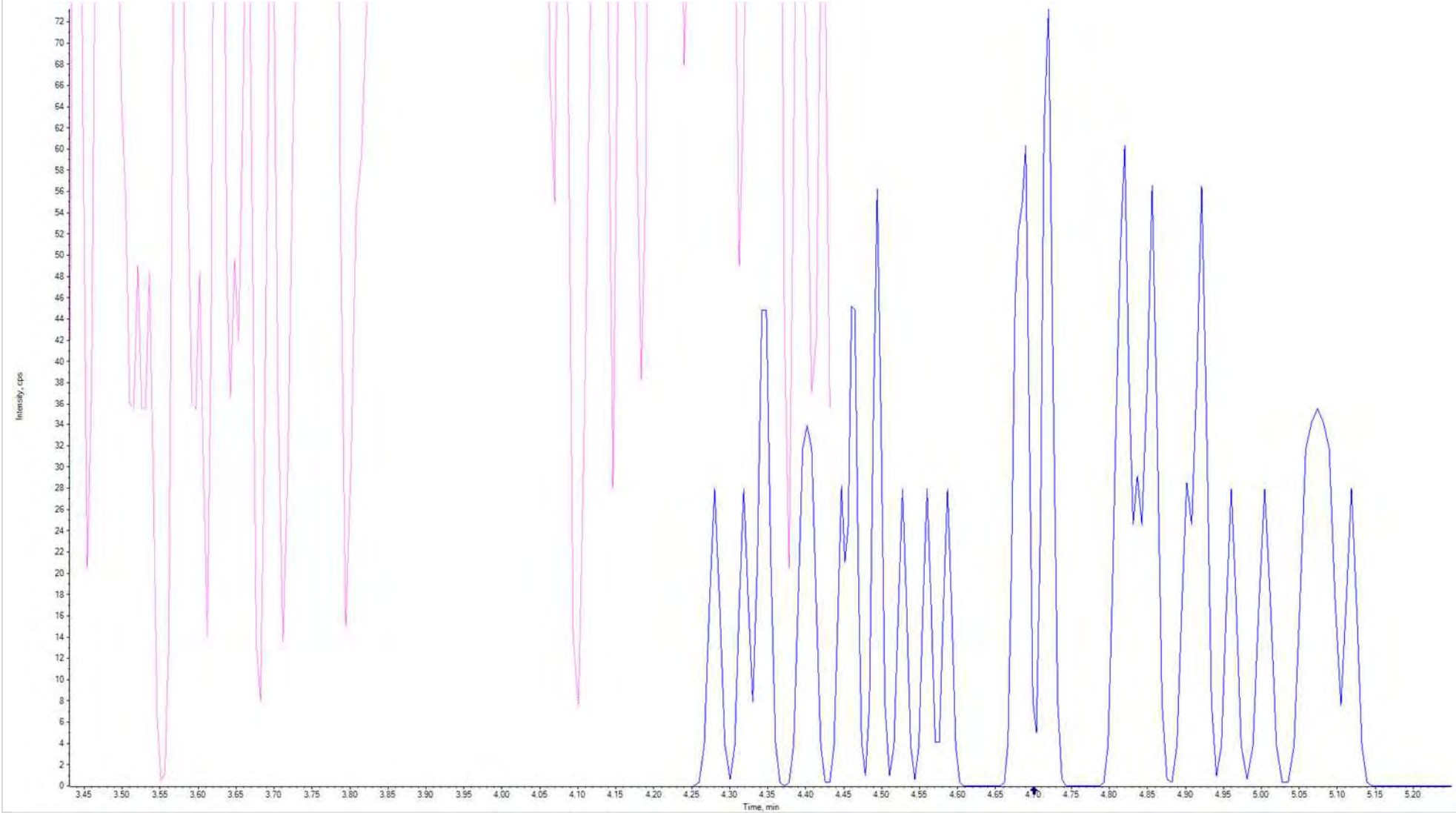
PFDS_2
Sample: WG1996415-3,INSTBLNK S/N:N/A Points Across peak:N/A



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Alpha Analytical LLC
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PFDoS
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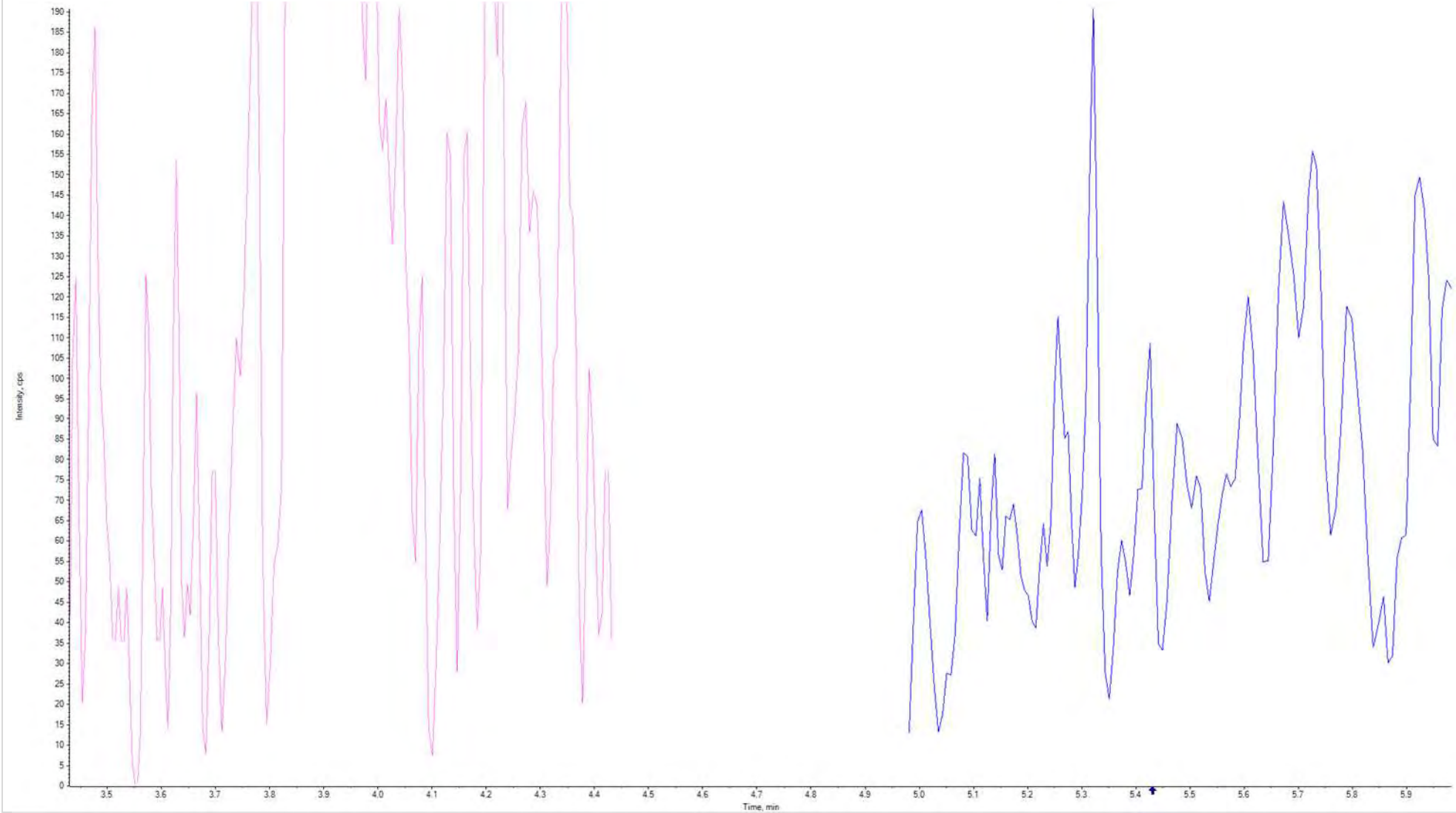

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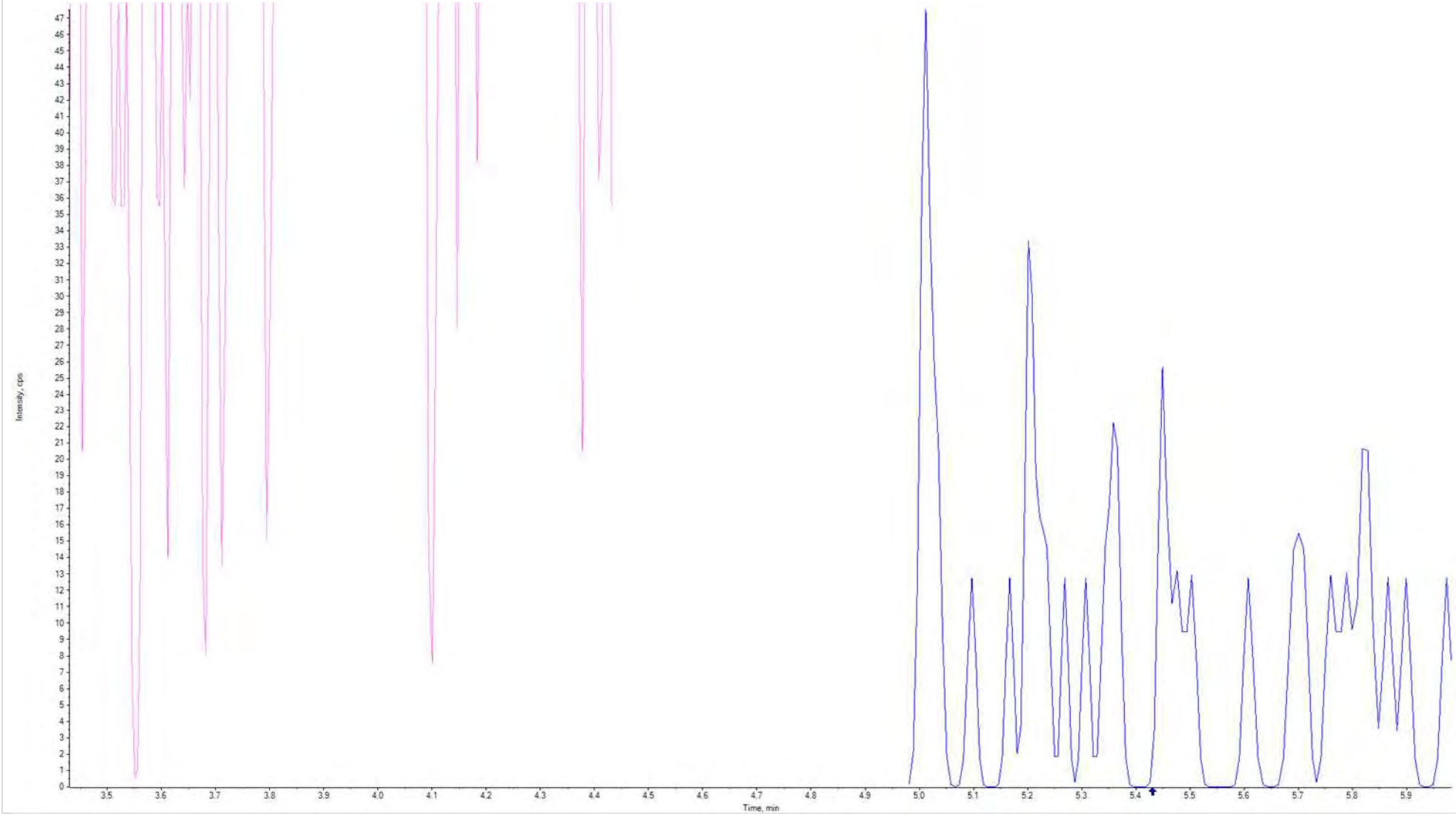

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4:2FTS
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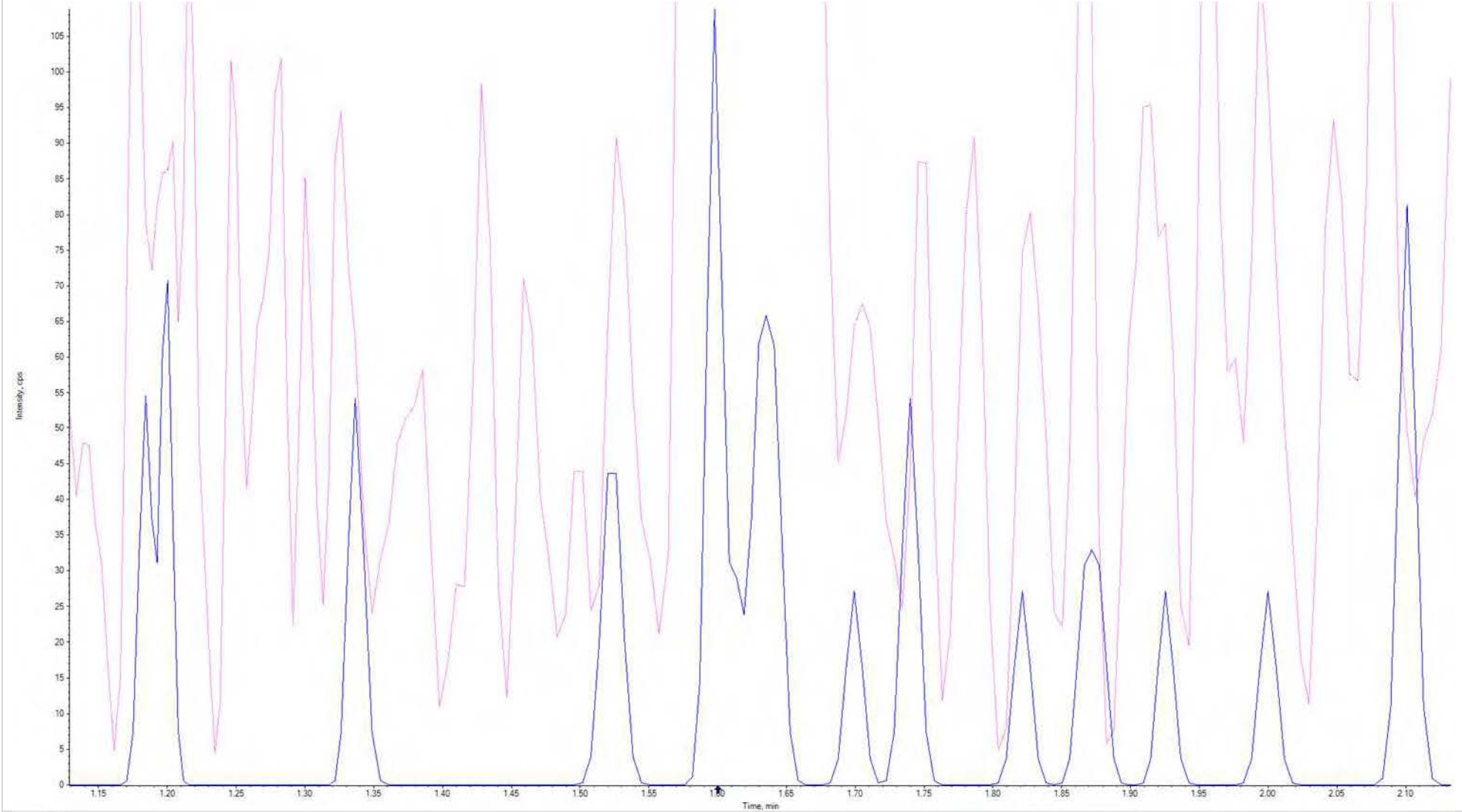

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4:2FTS_2
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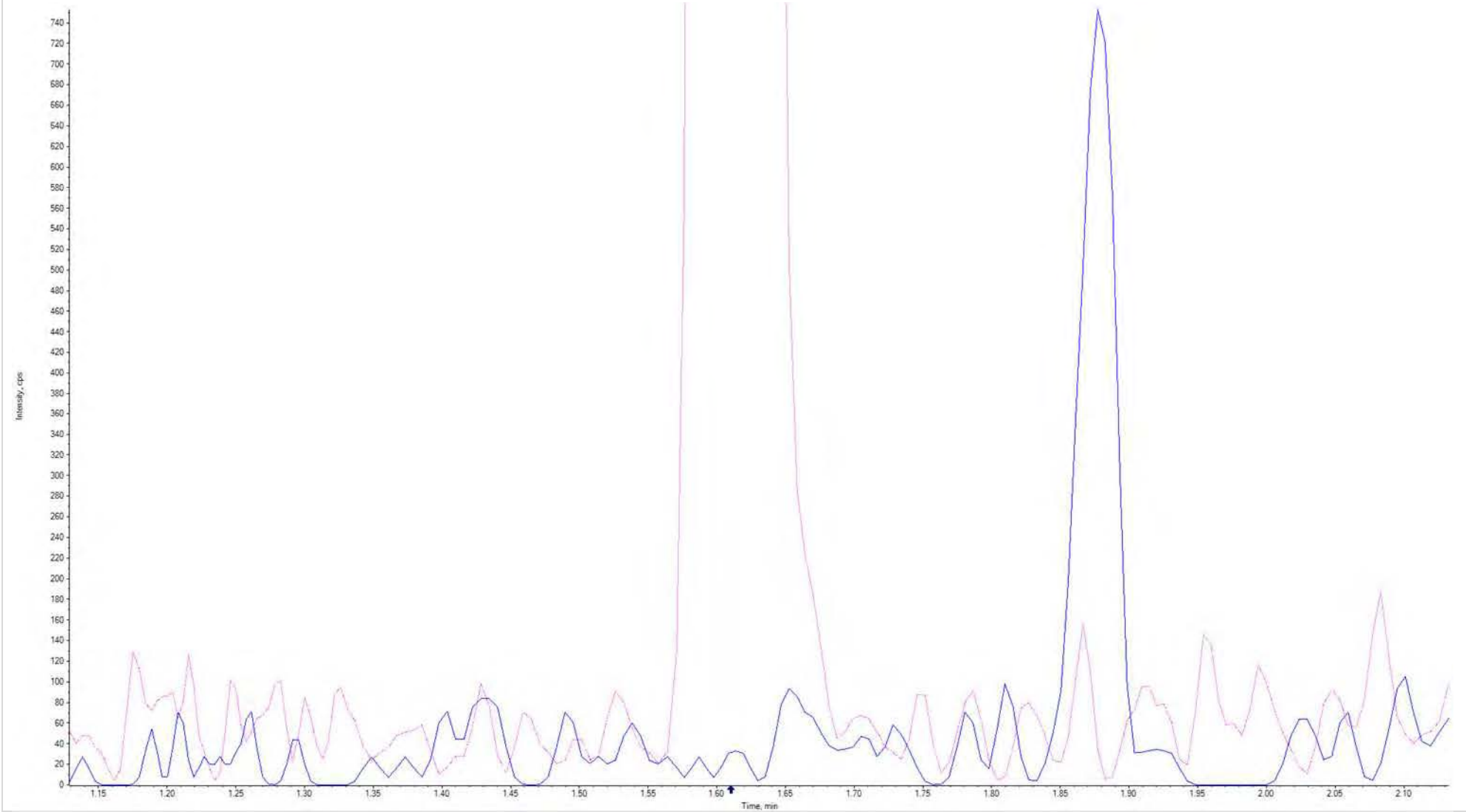

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6:2FTS
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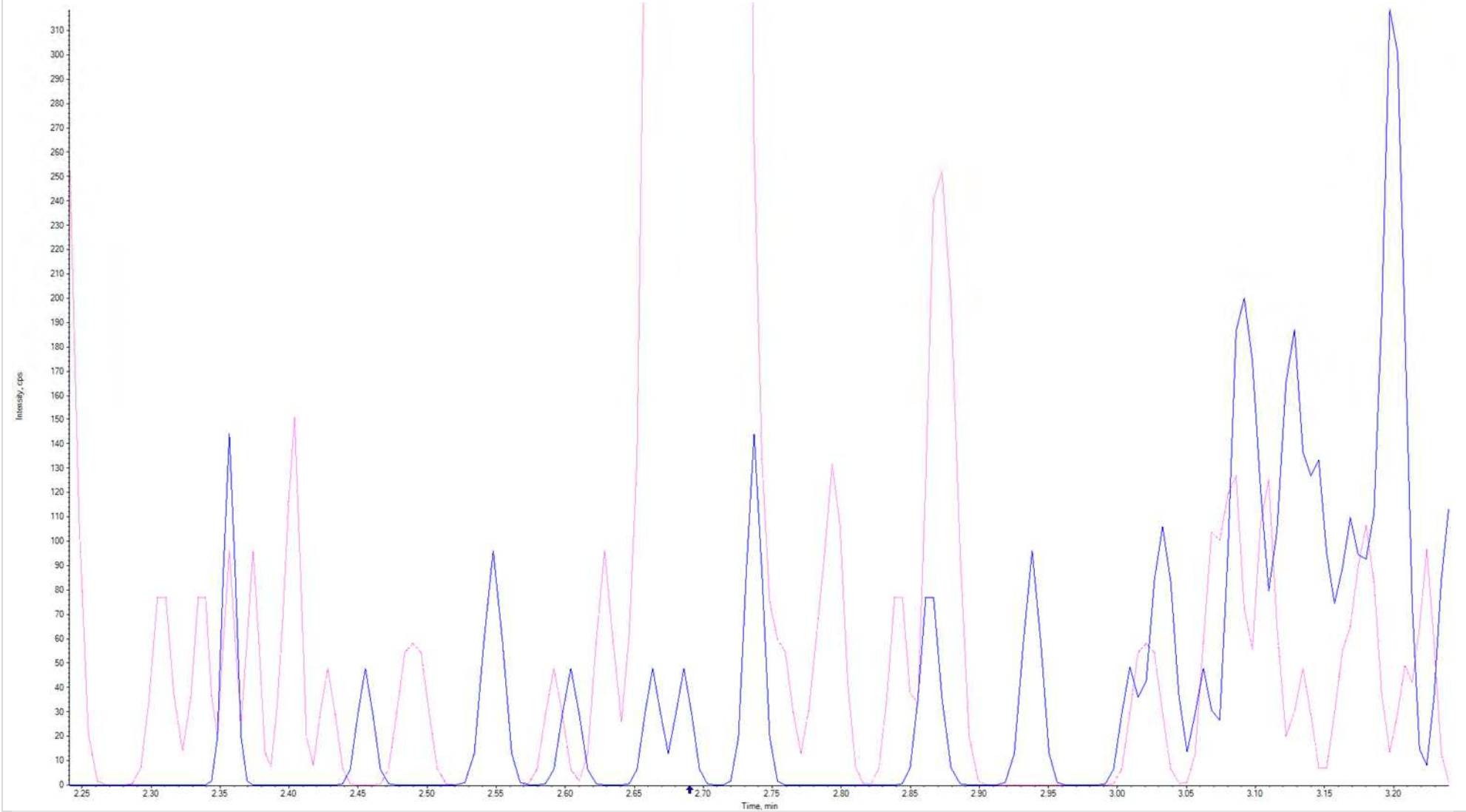

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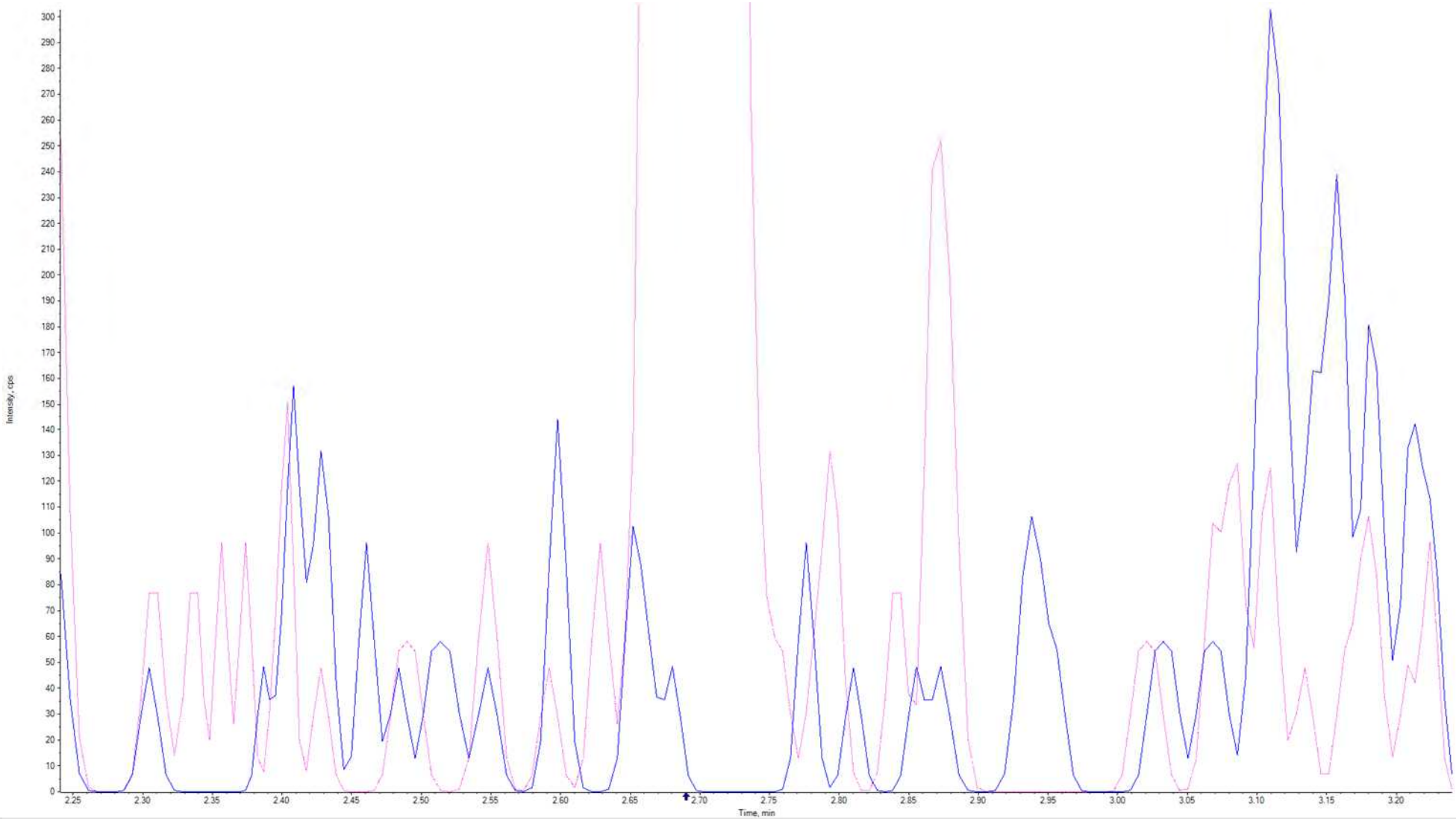

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8:2FTS
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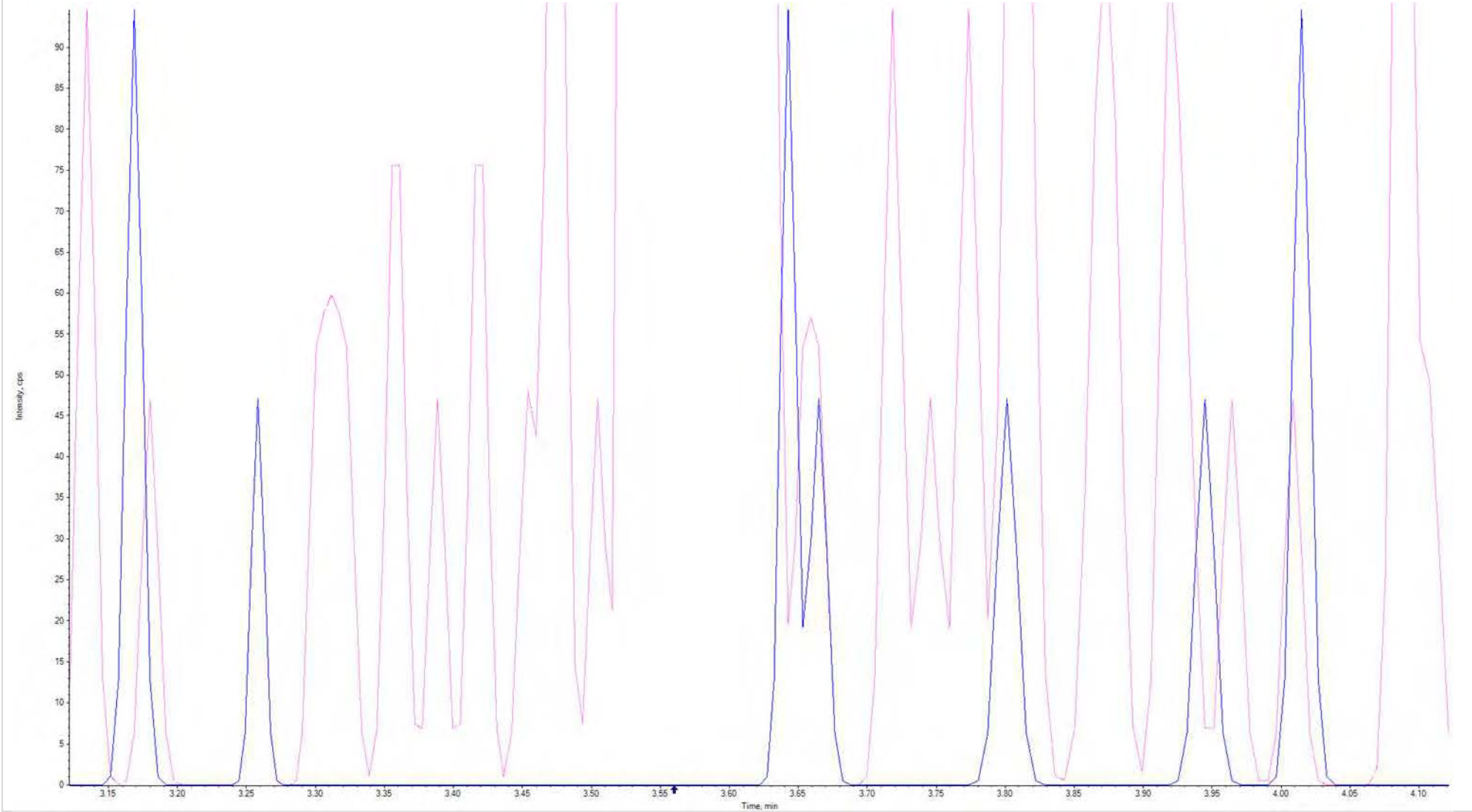

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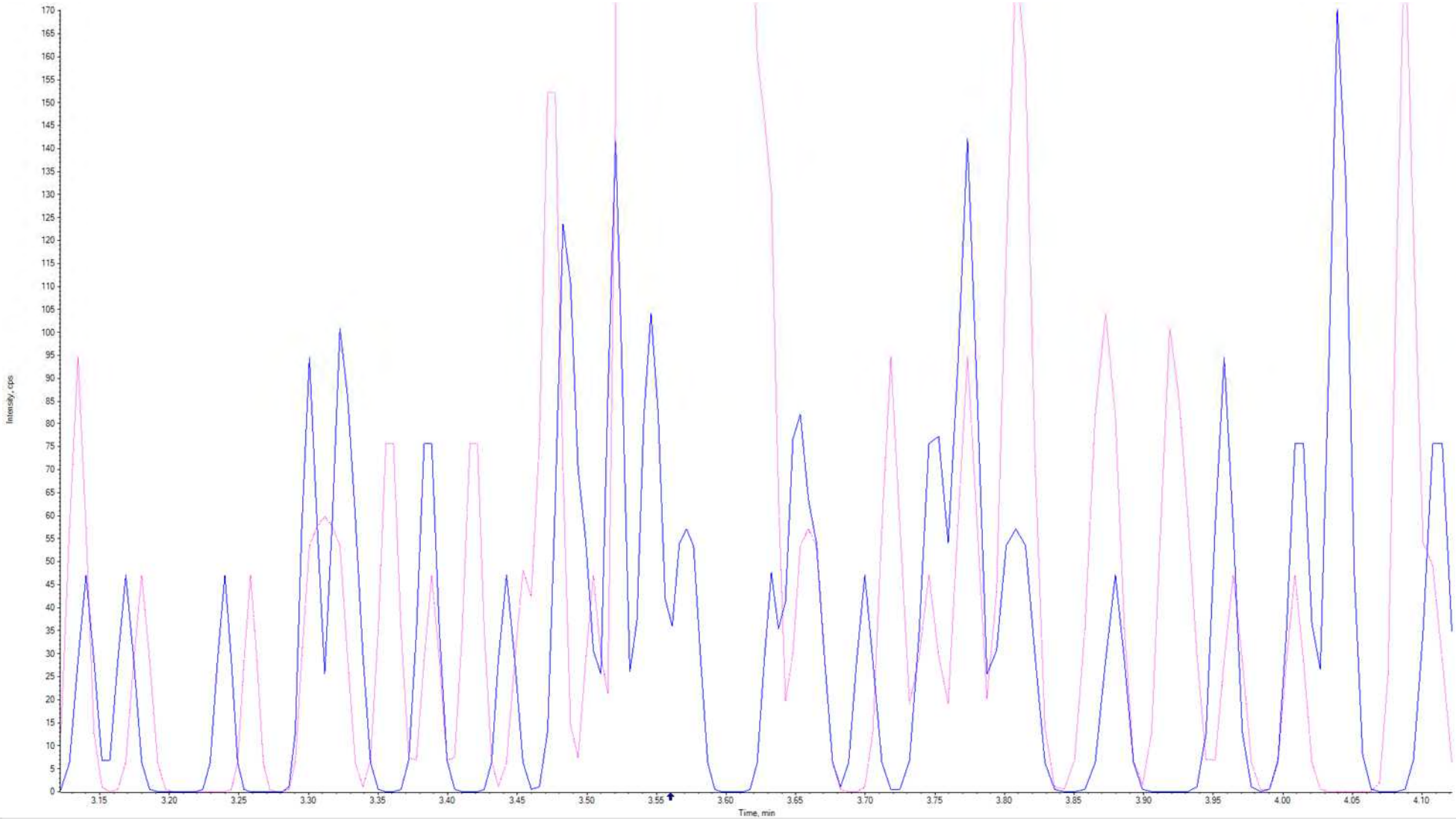

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PFOSA
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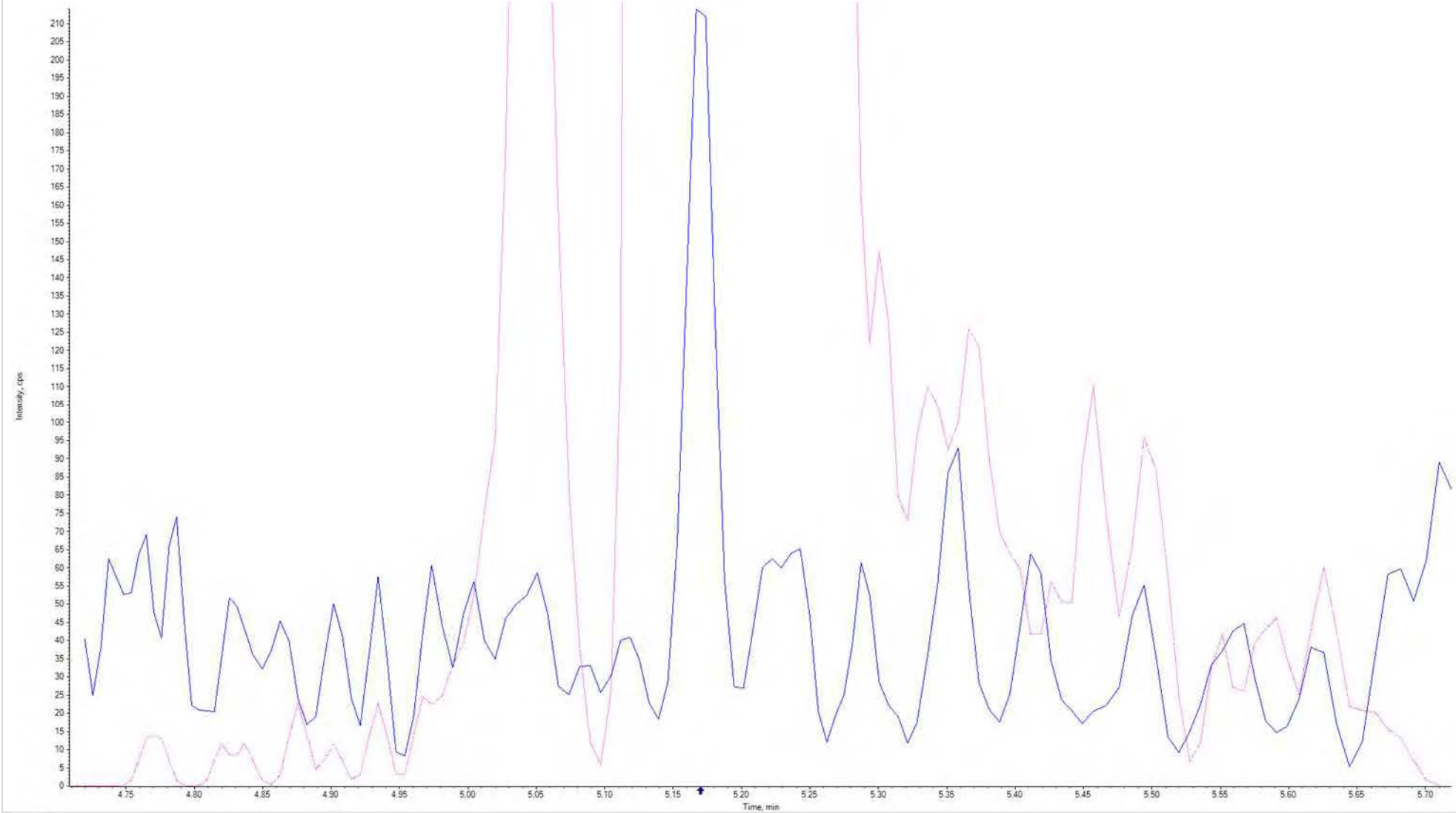

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PFOSA_2
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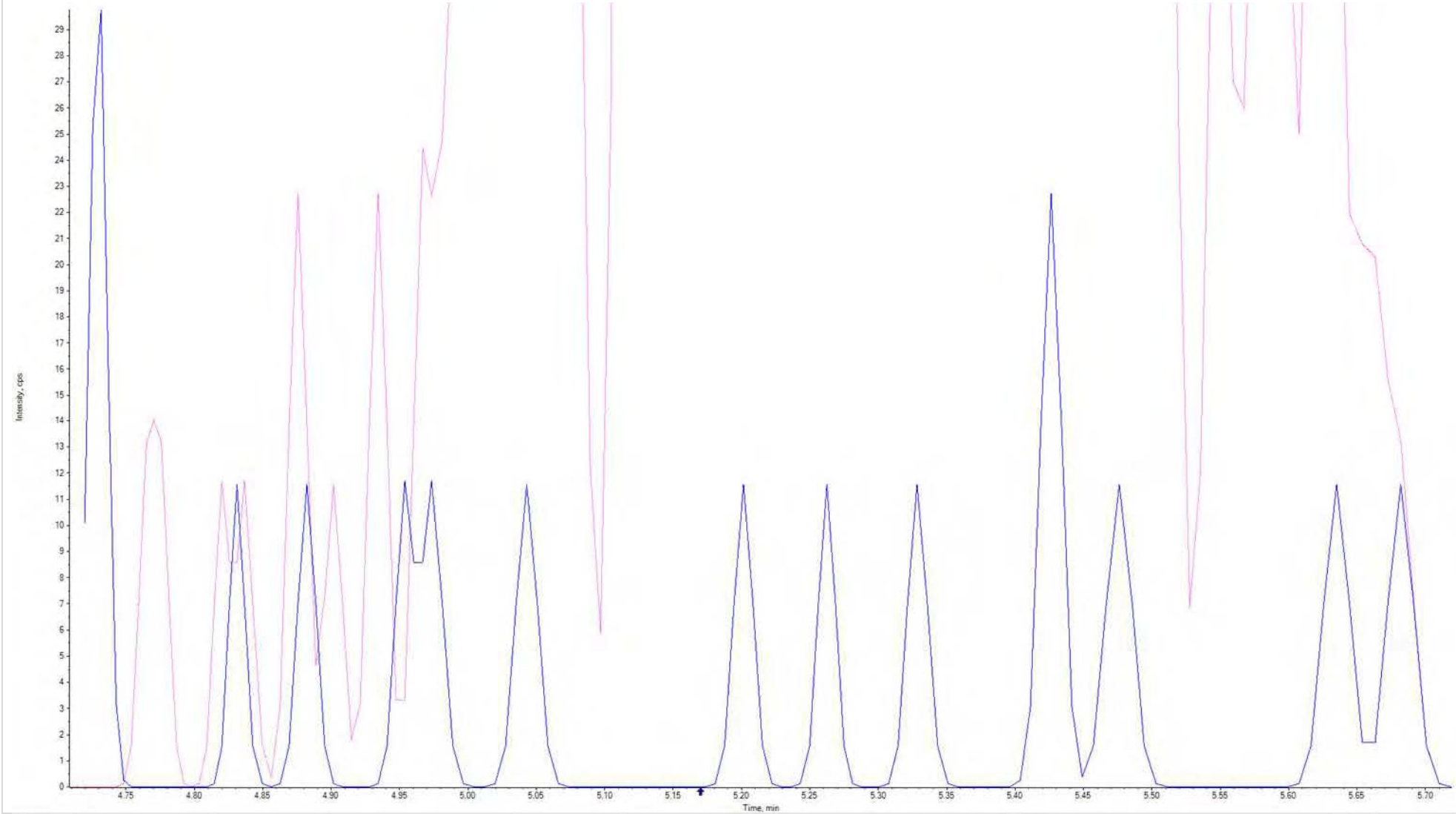

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NMeFOSA
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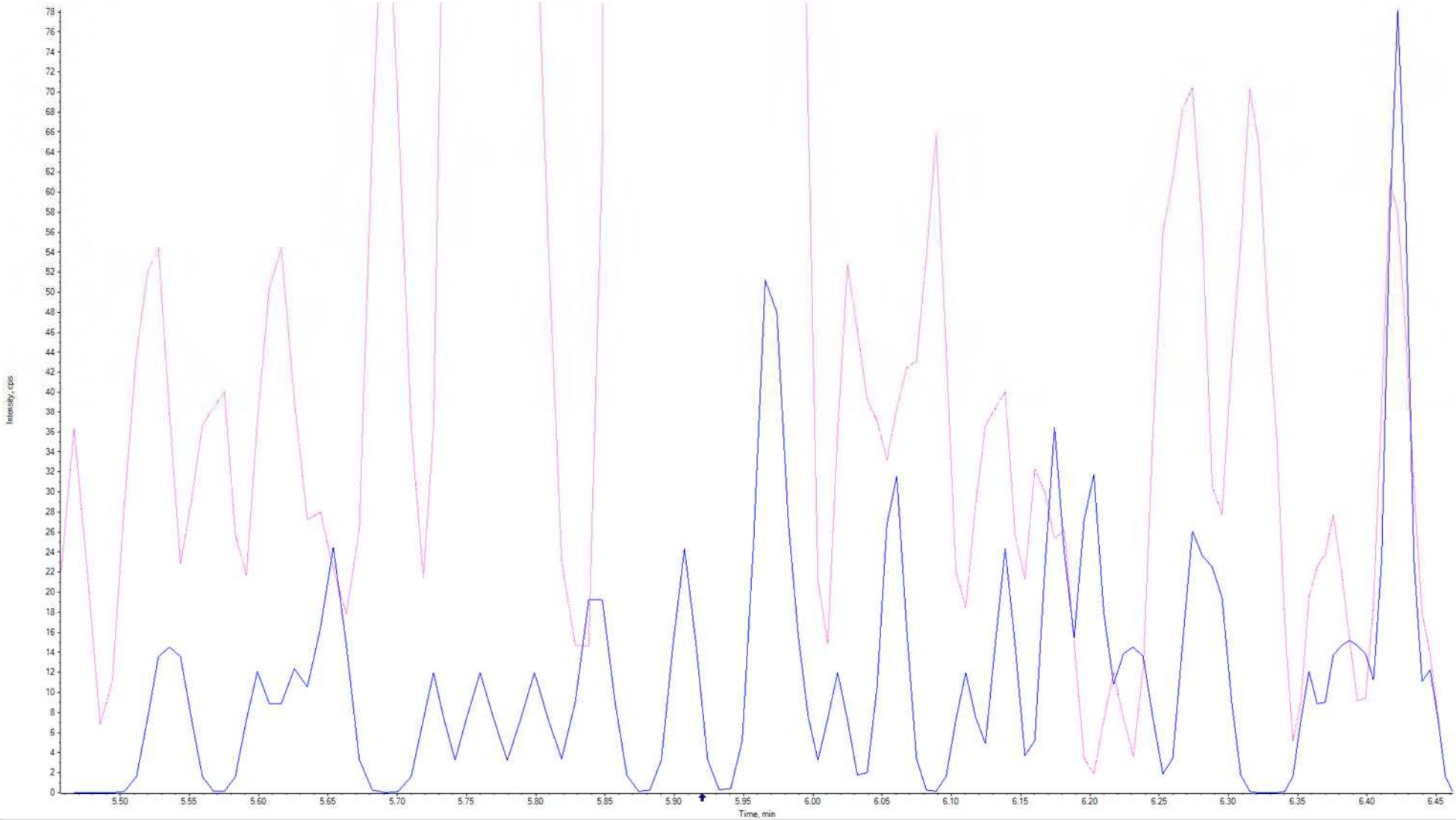

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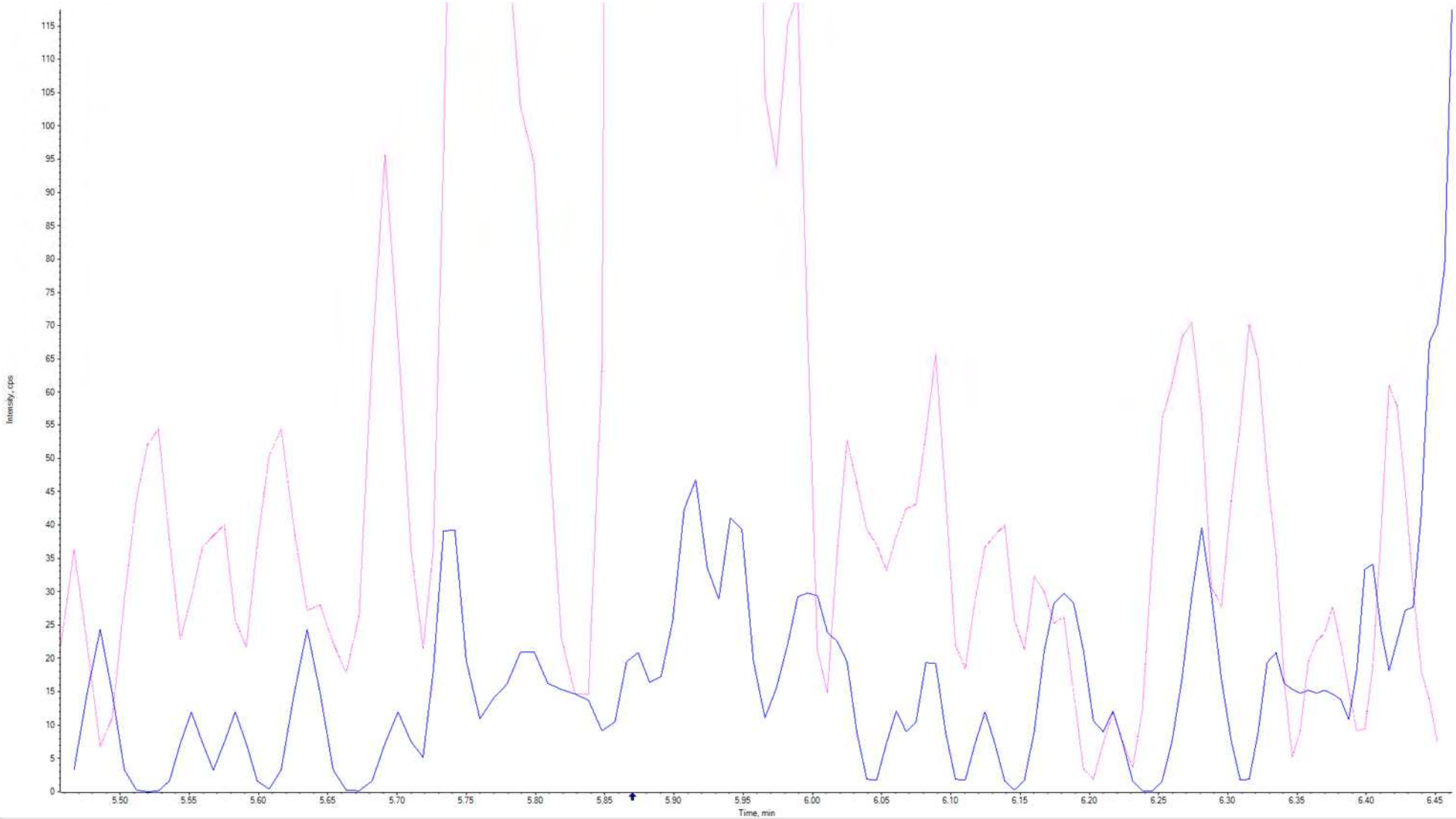

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NEtFOSA
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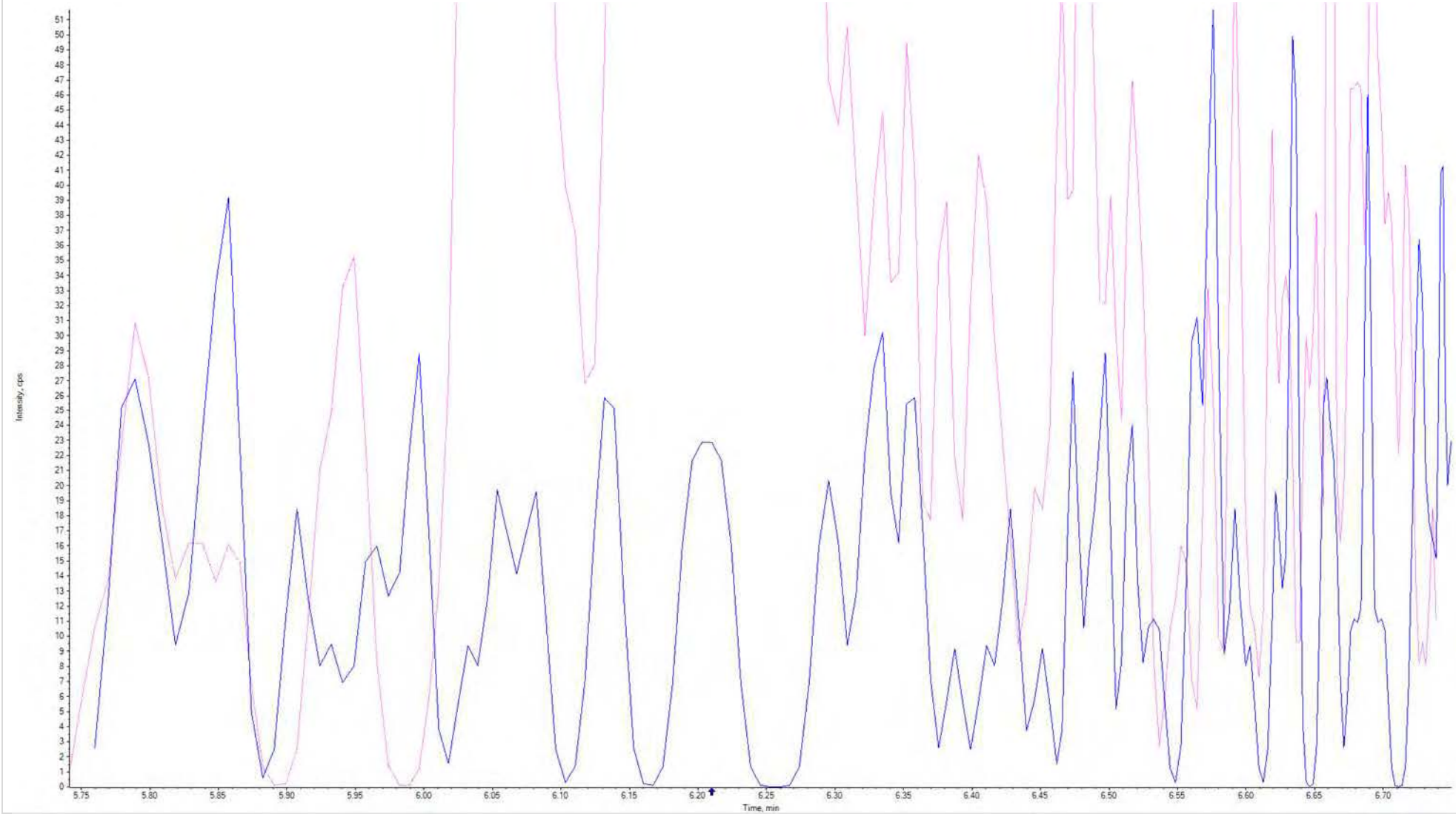

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NEtFOSA_2
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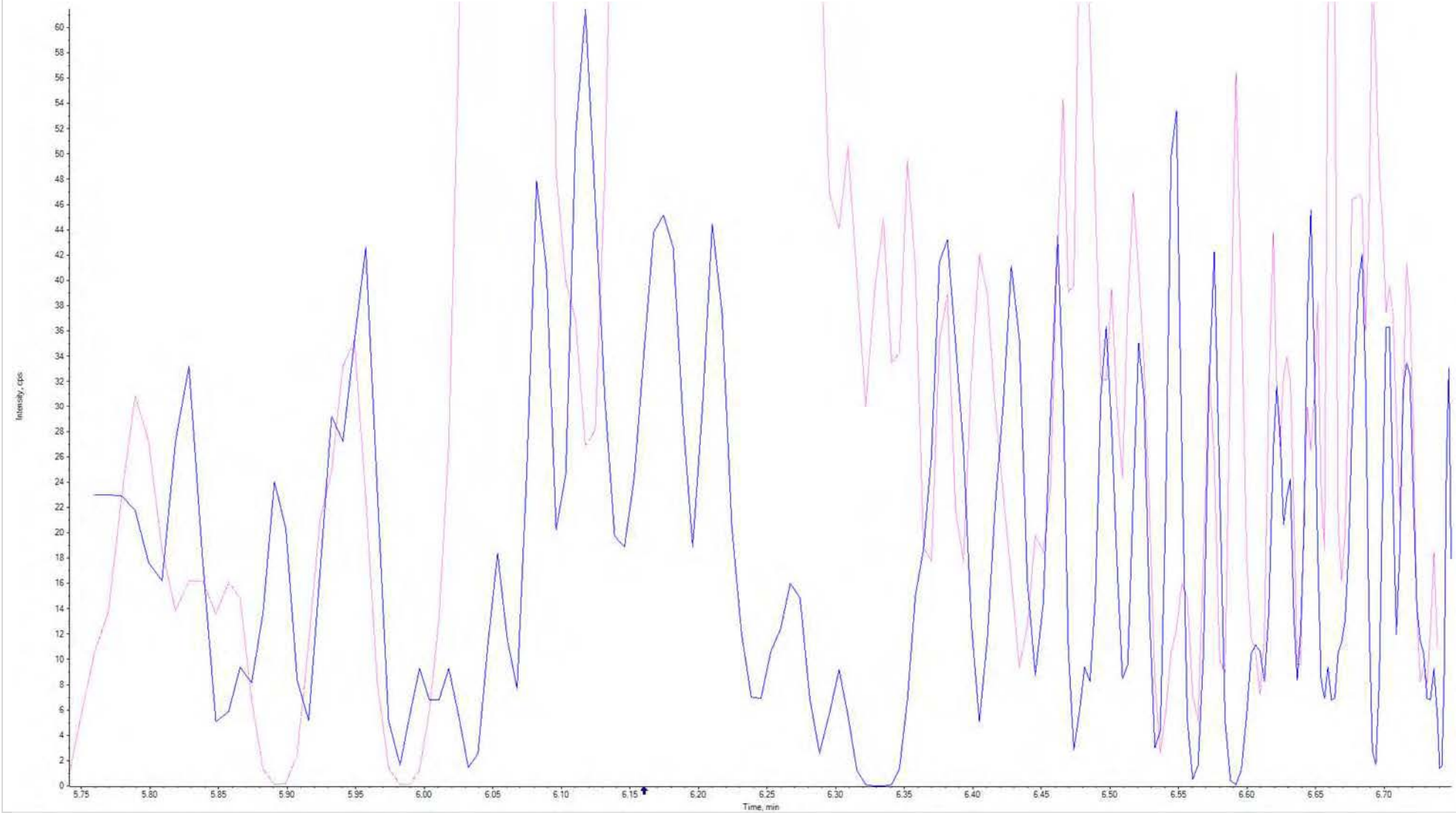

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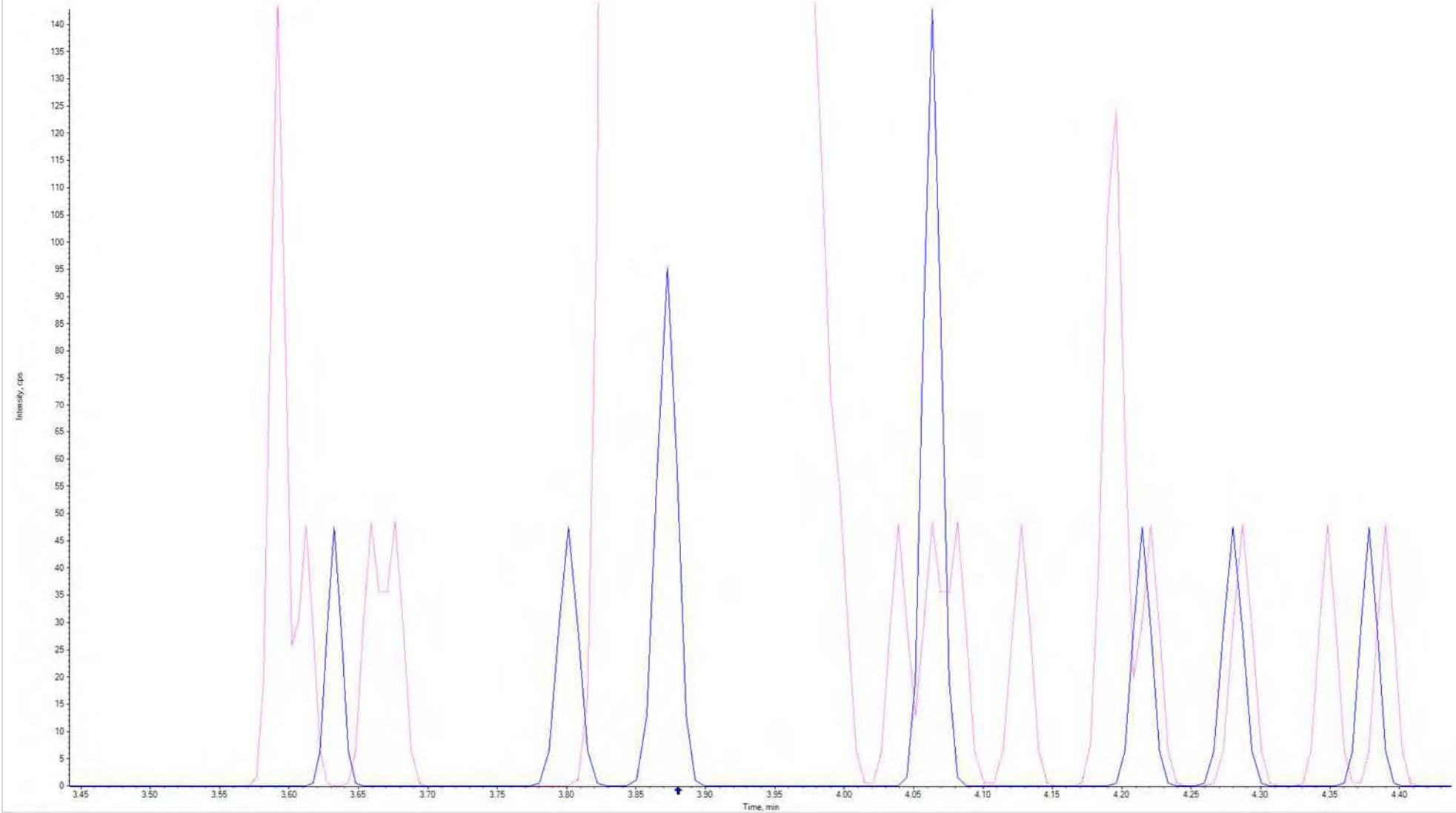

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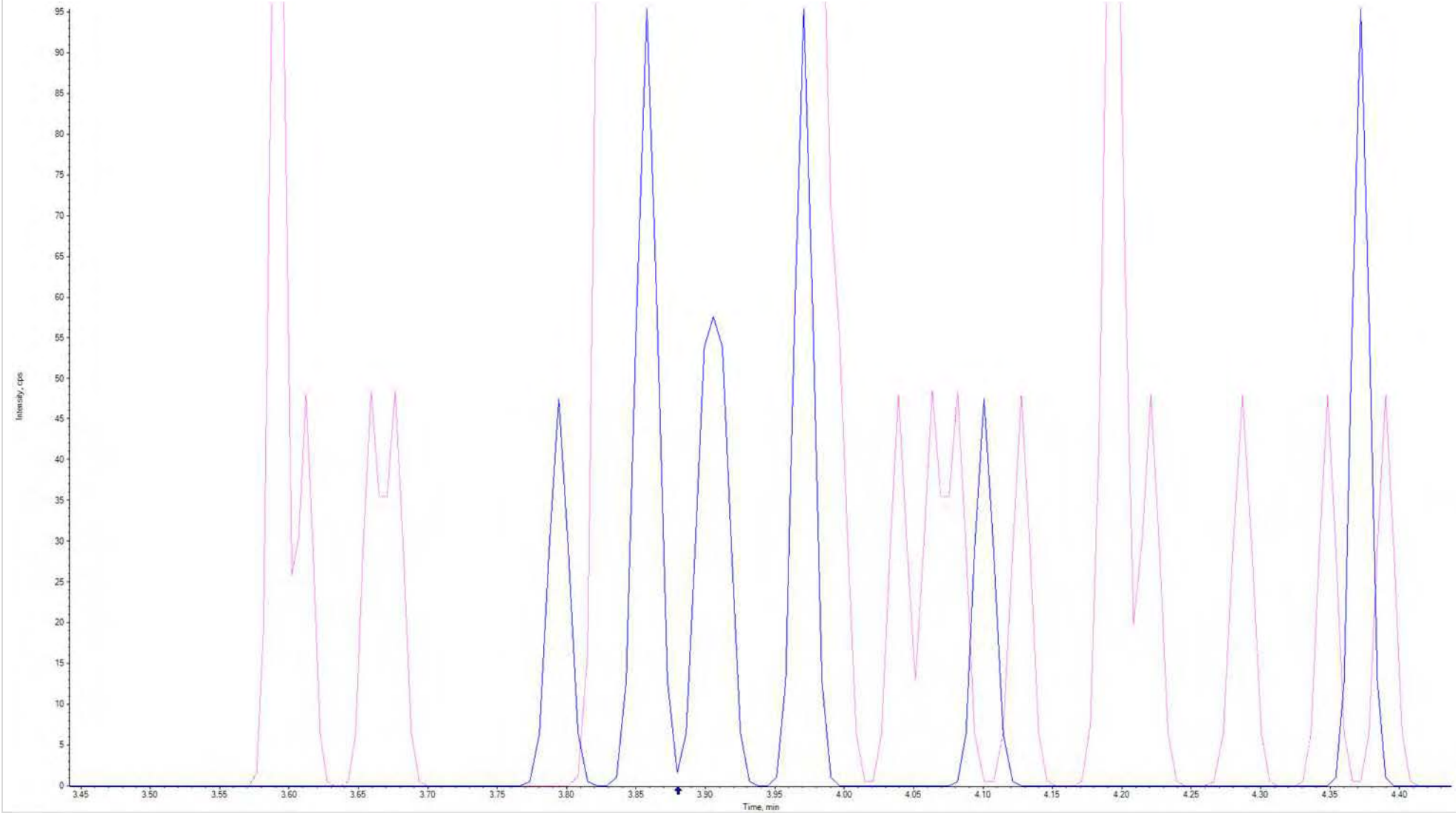

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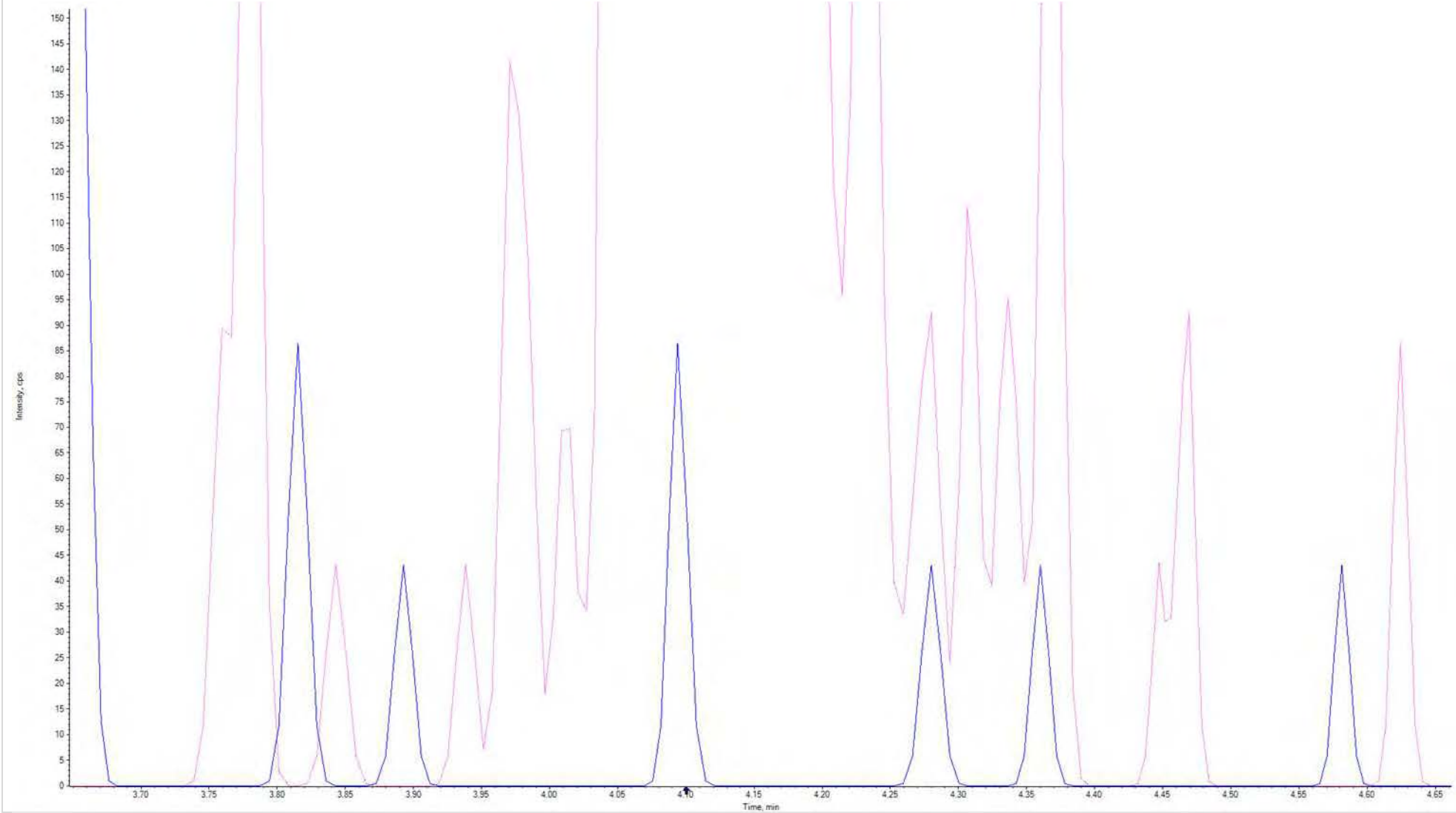

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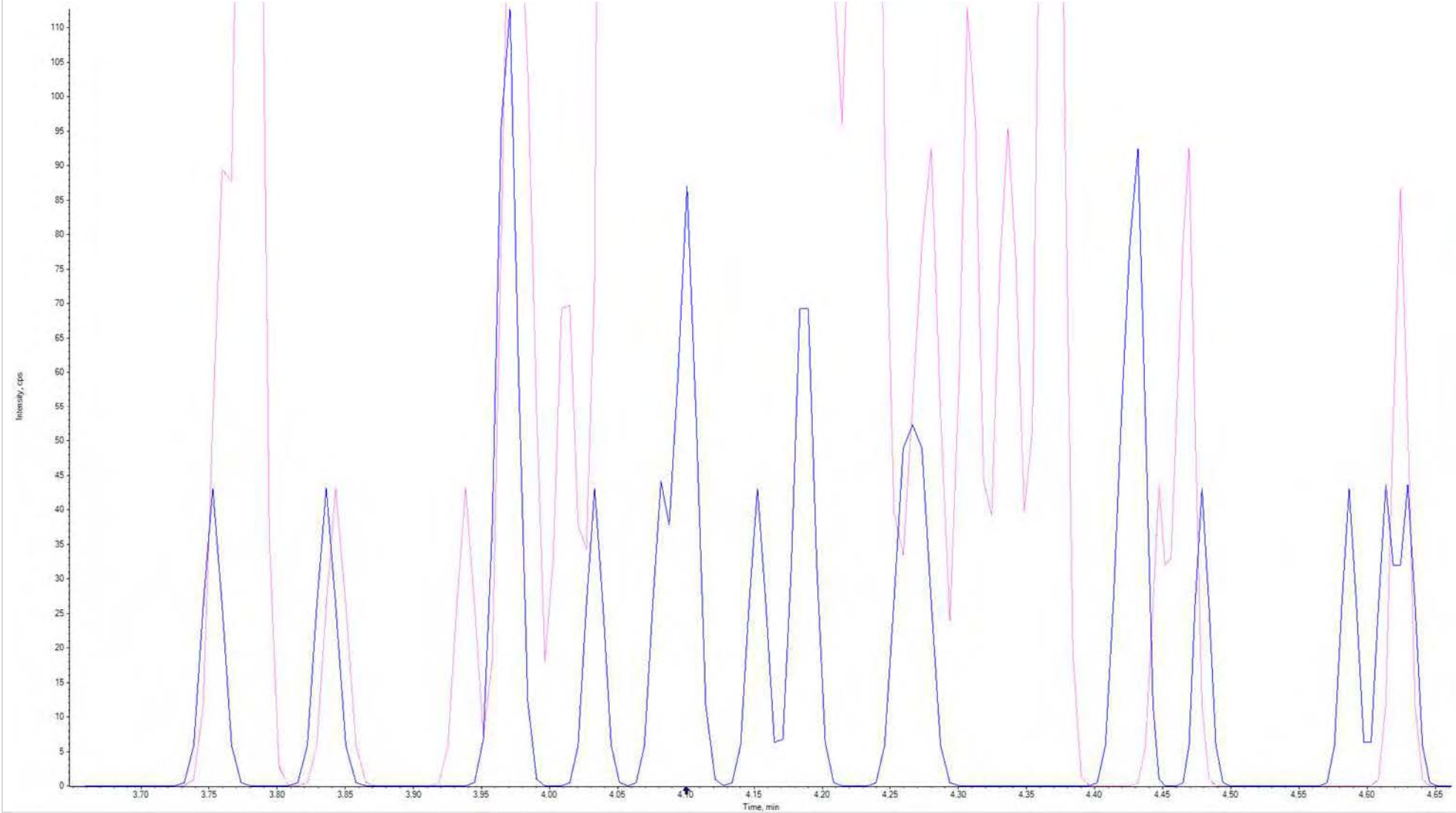

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NMeFOSE
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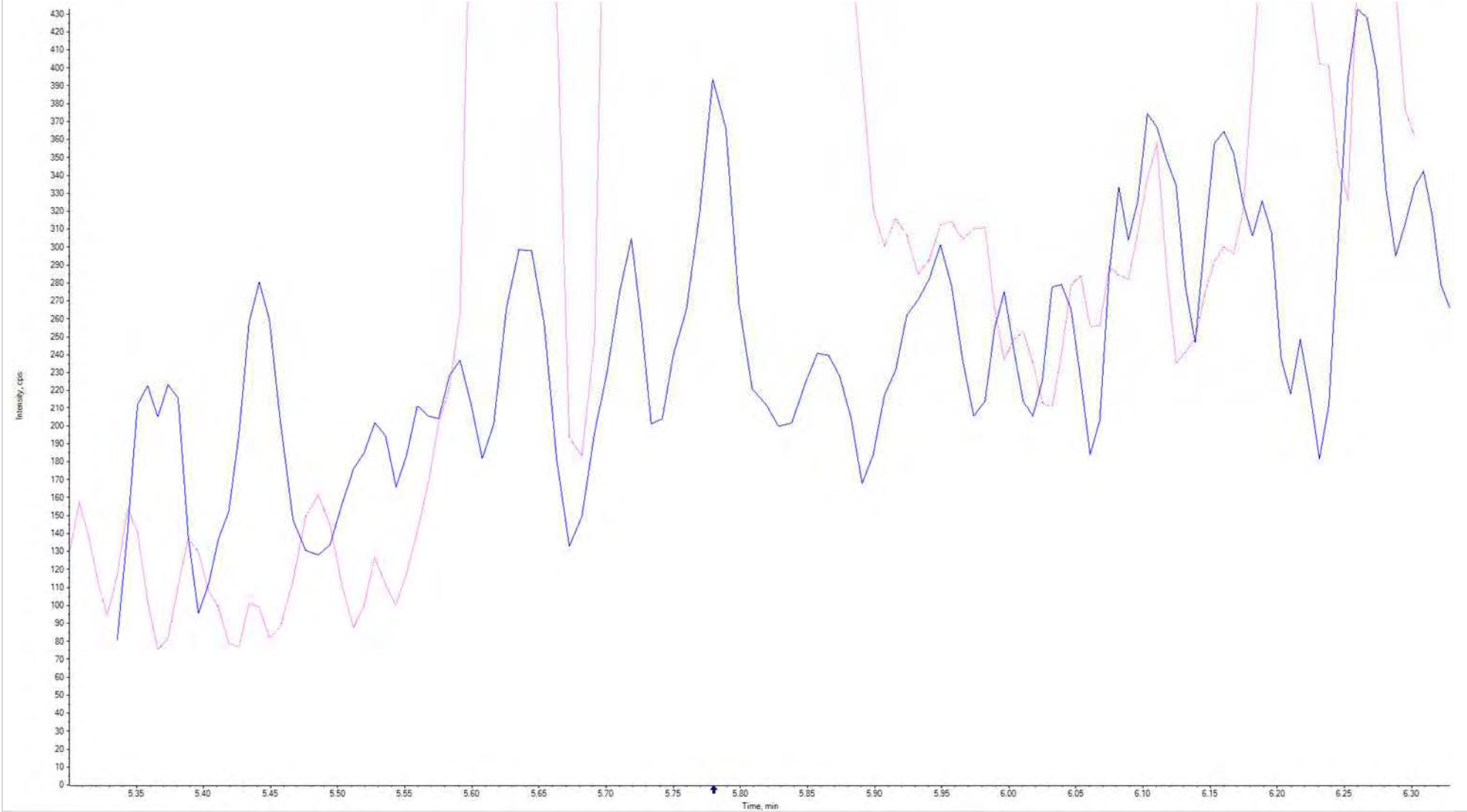

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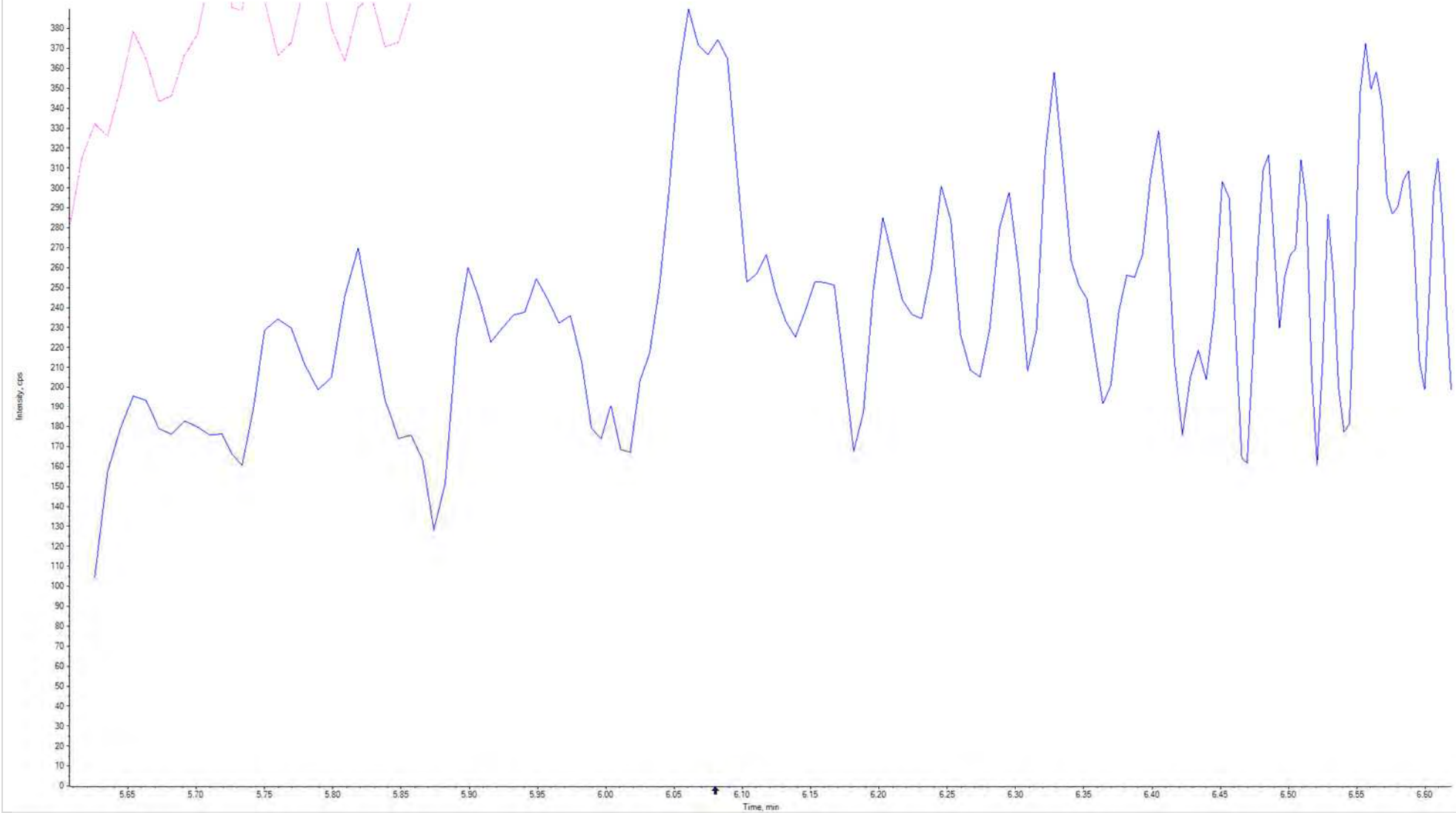

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HFPO-DA
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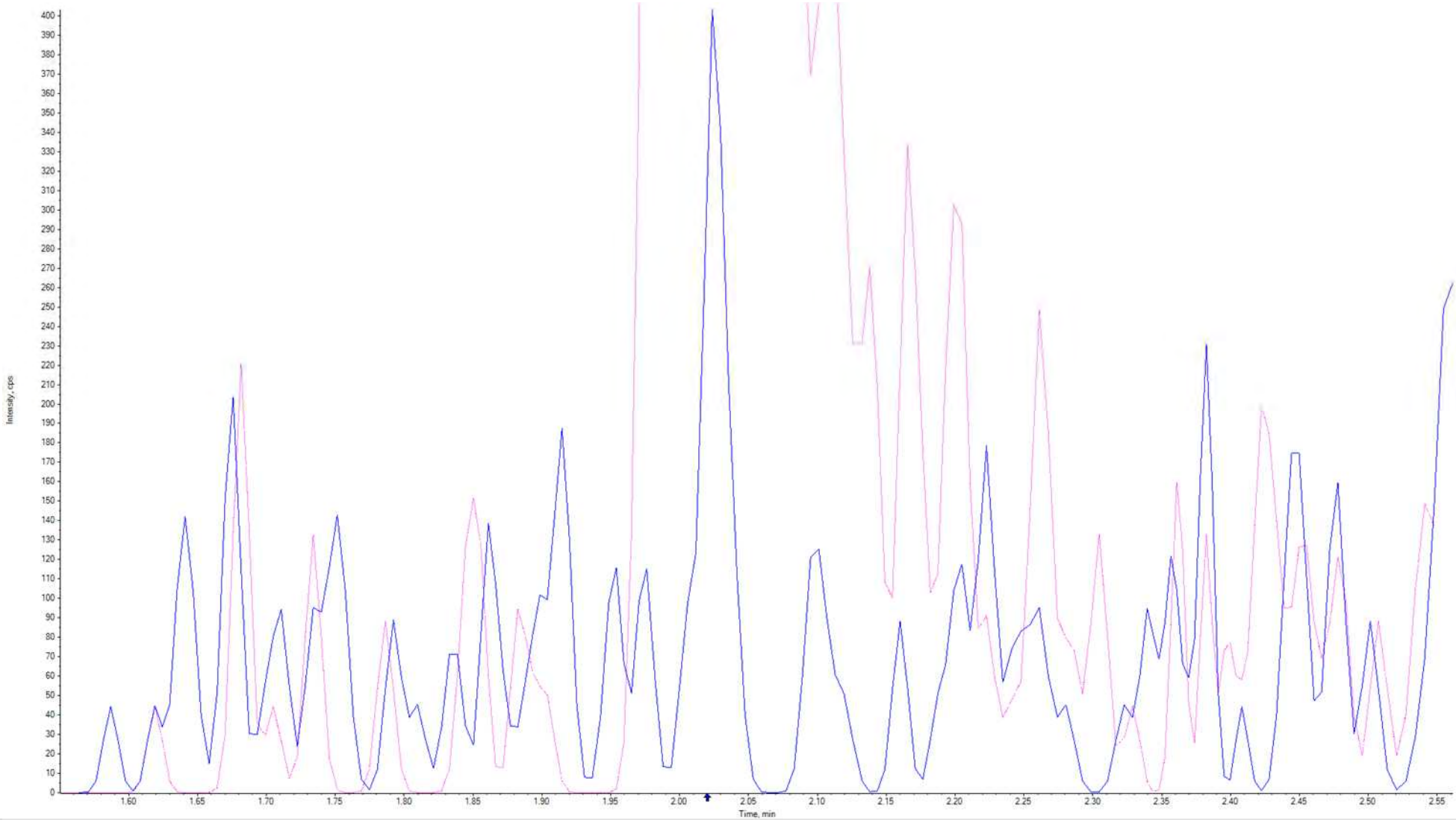

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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HFPO-DA_2
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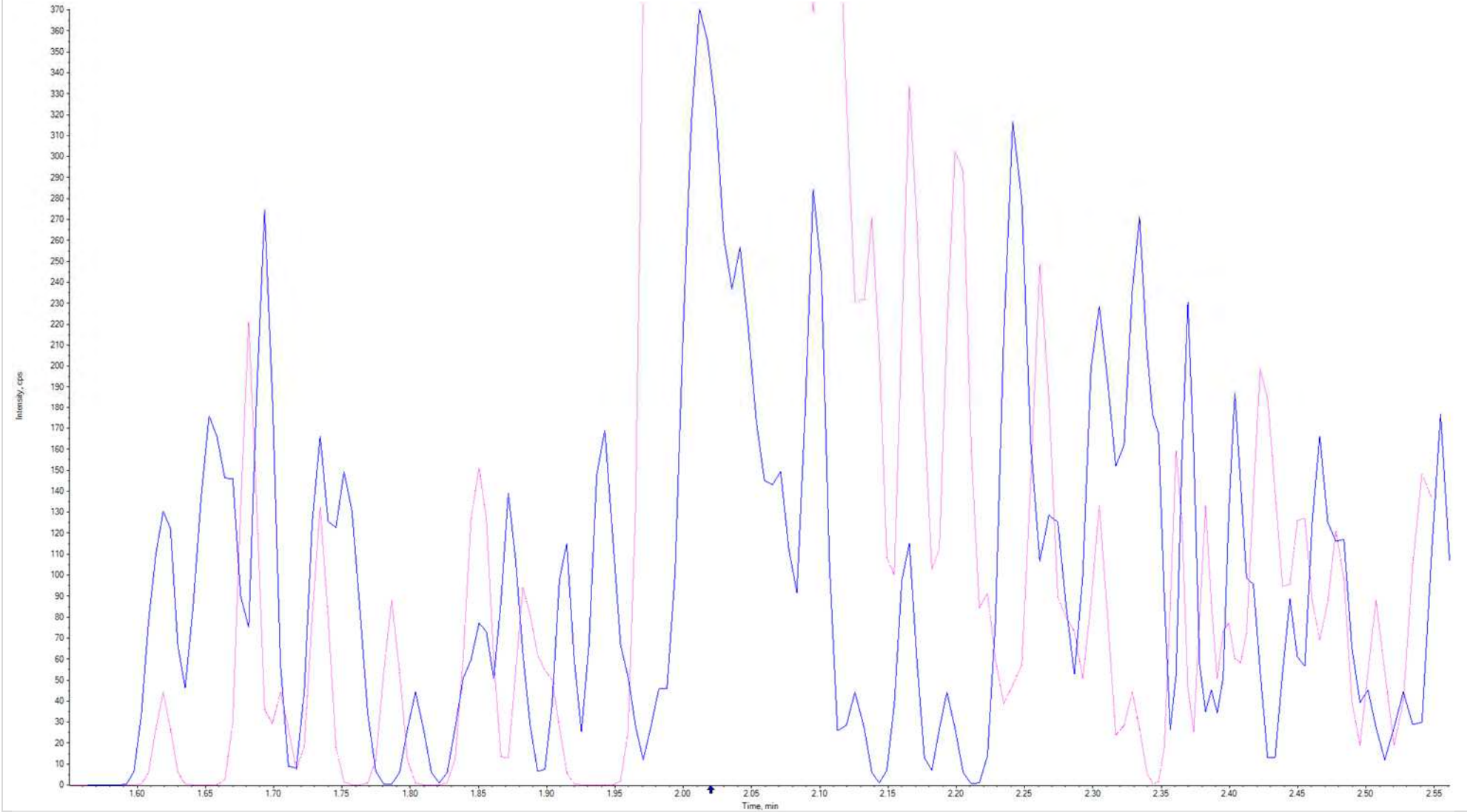

ADONA
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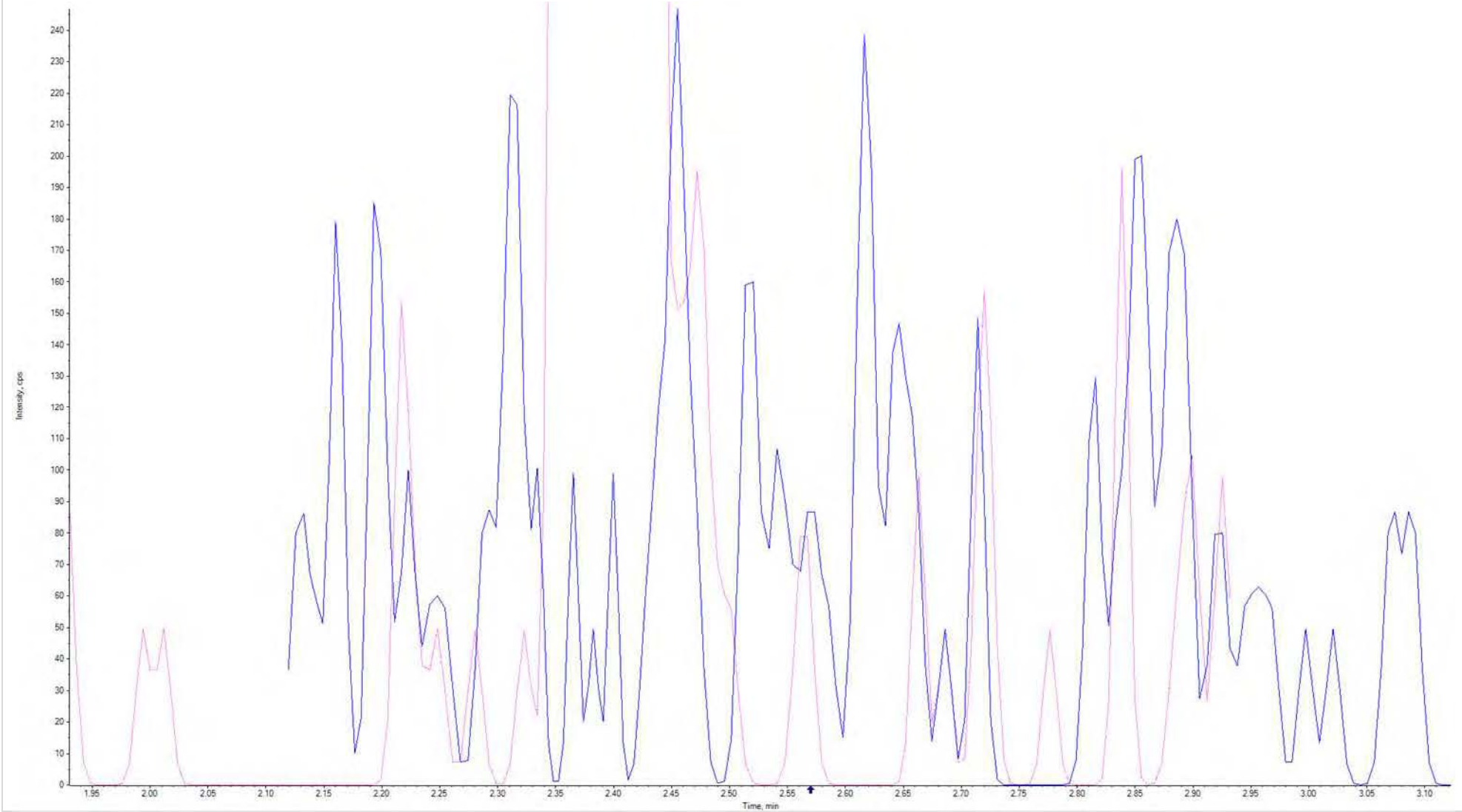

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ADONA_2
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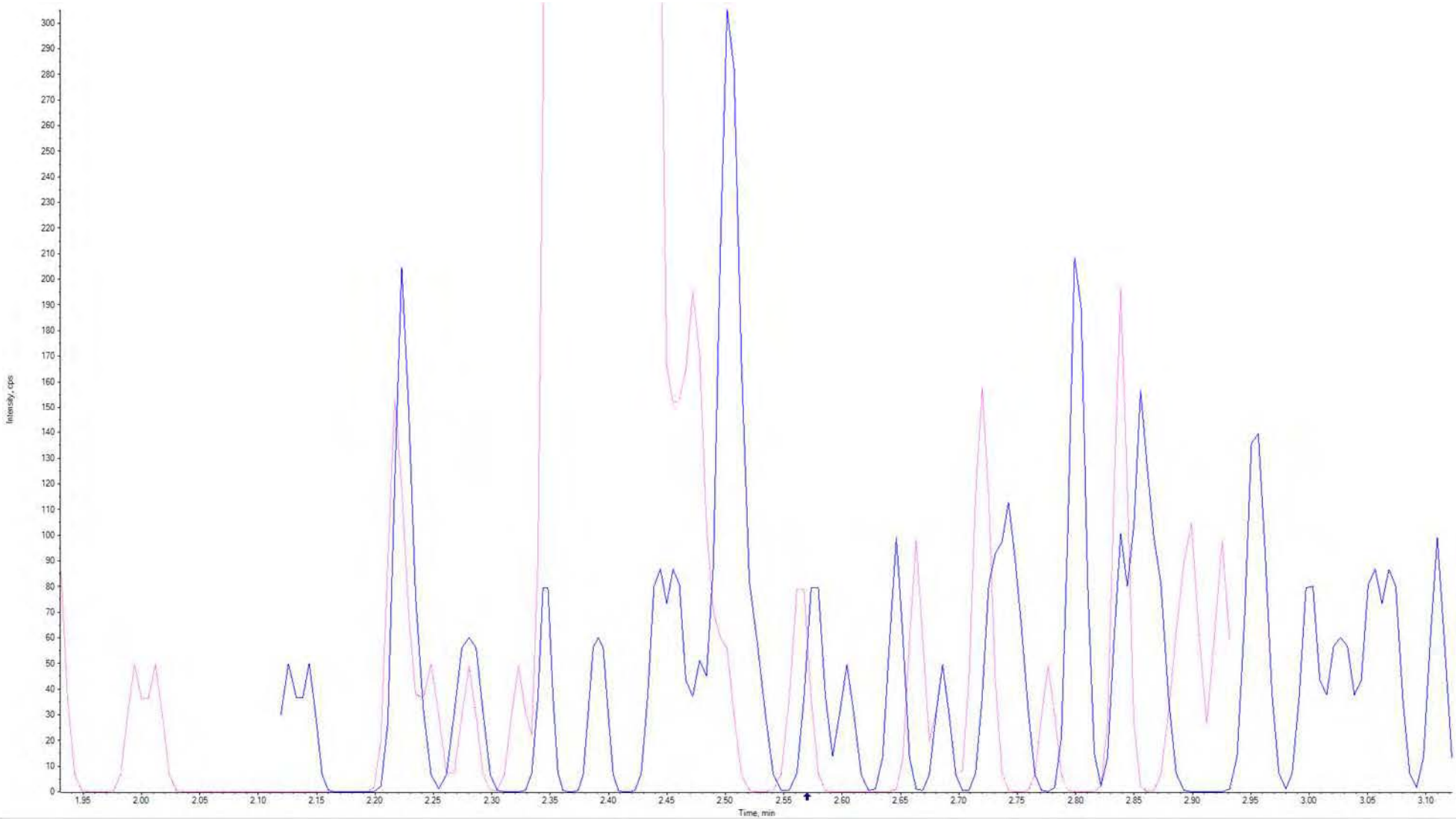

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9Cl-PF3ONS
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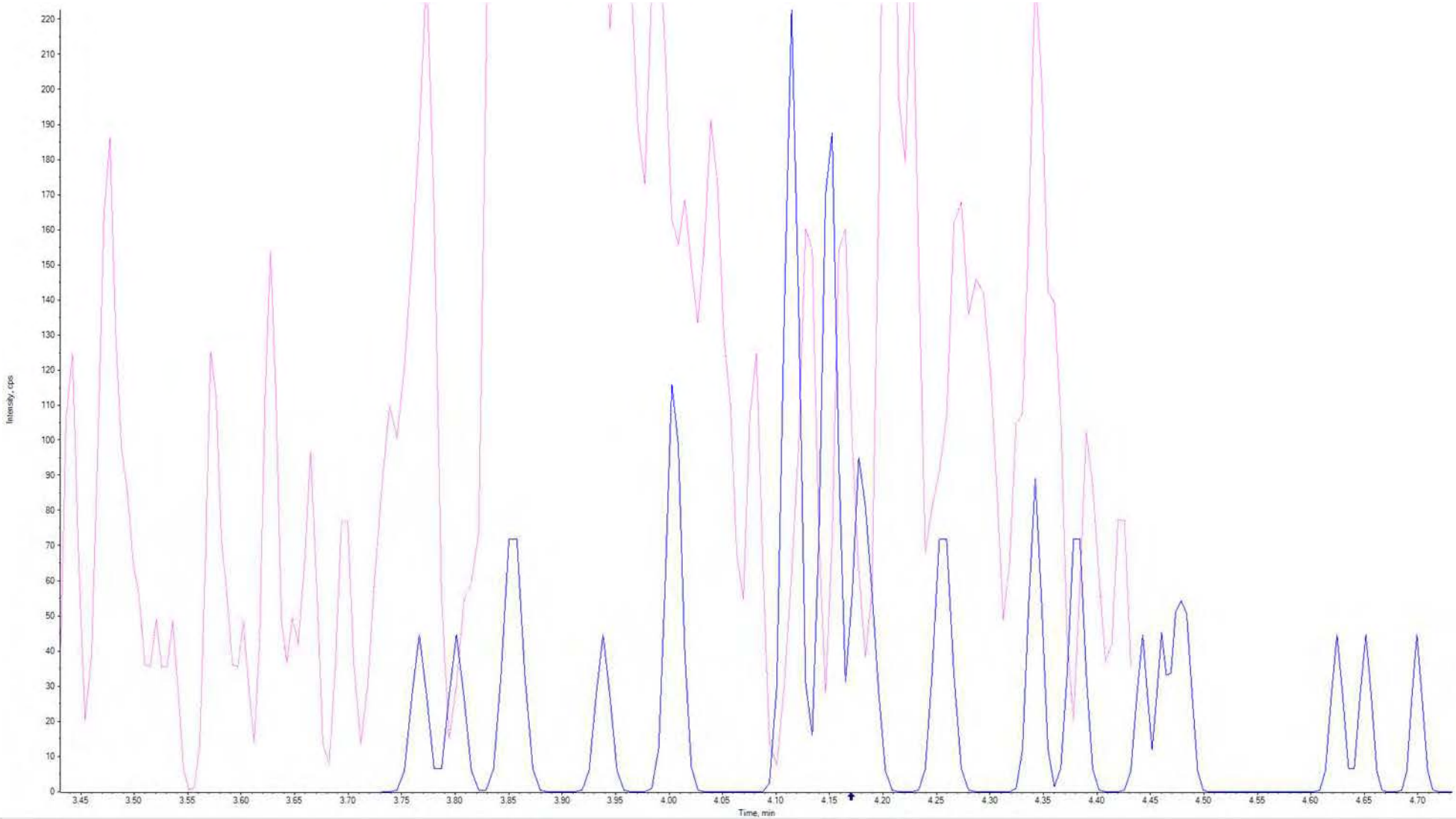

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9Cl-PF3ONS_2
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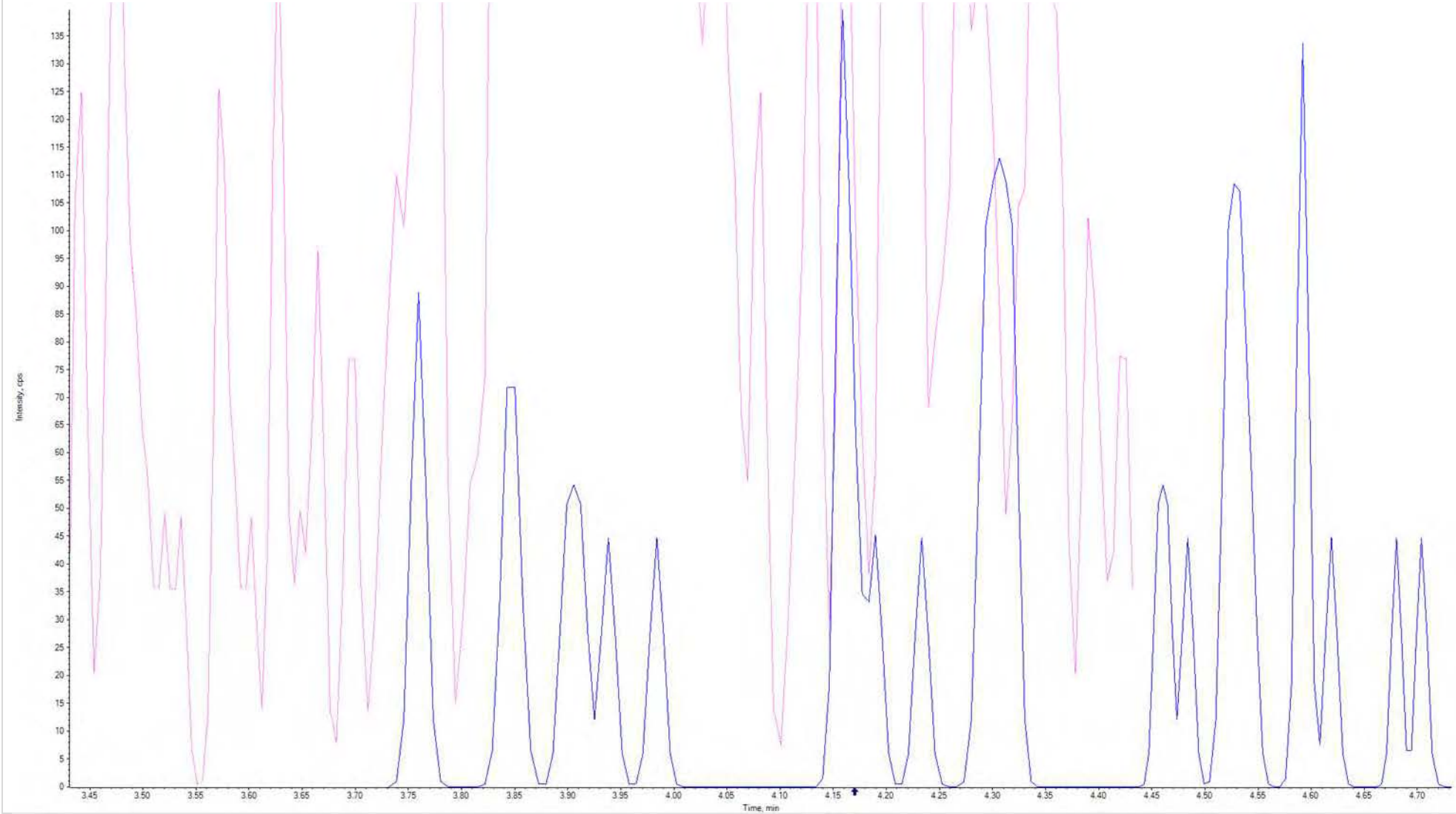

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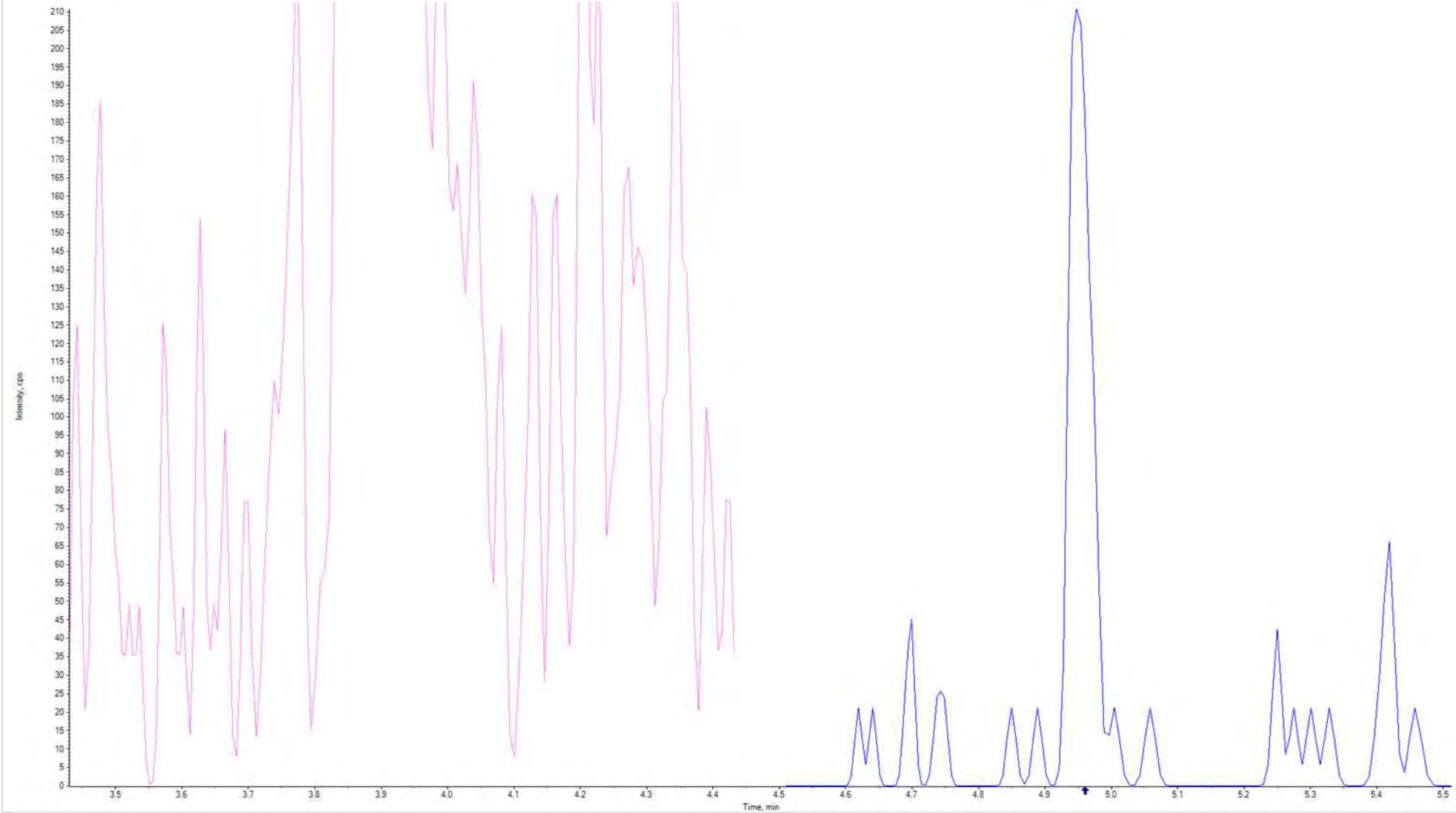

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11Cl-PF3OUdS_2
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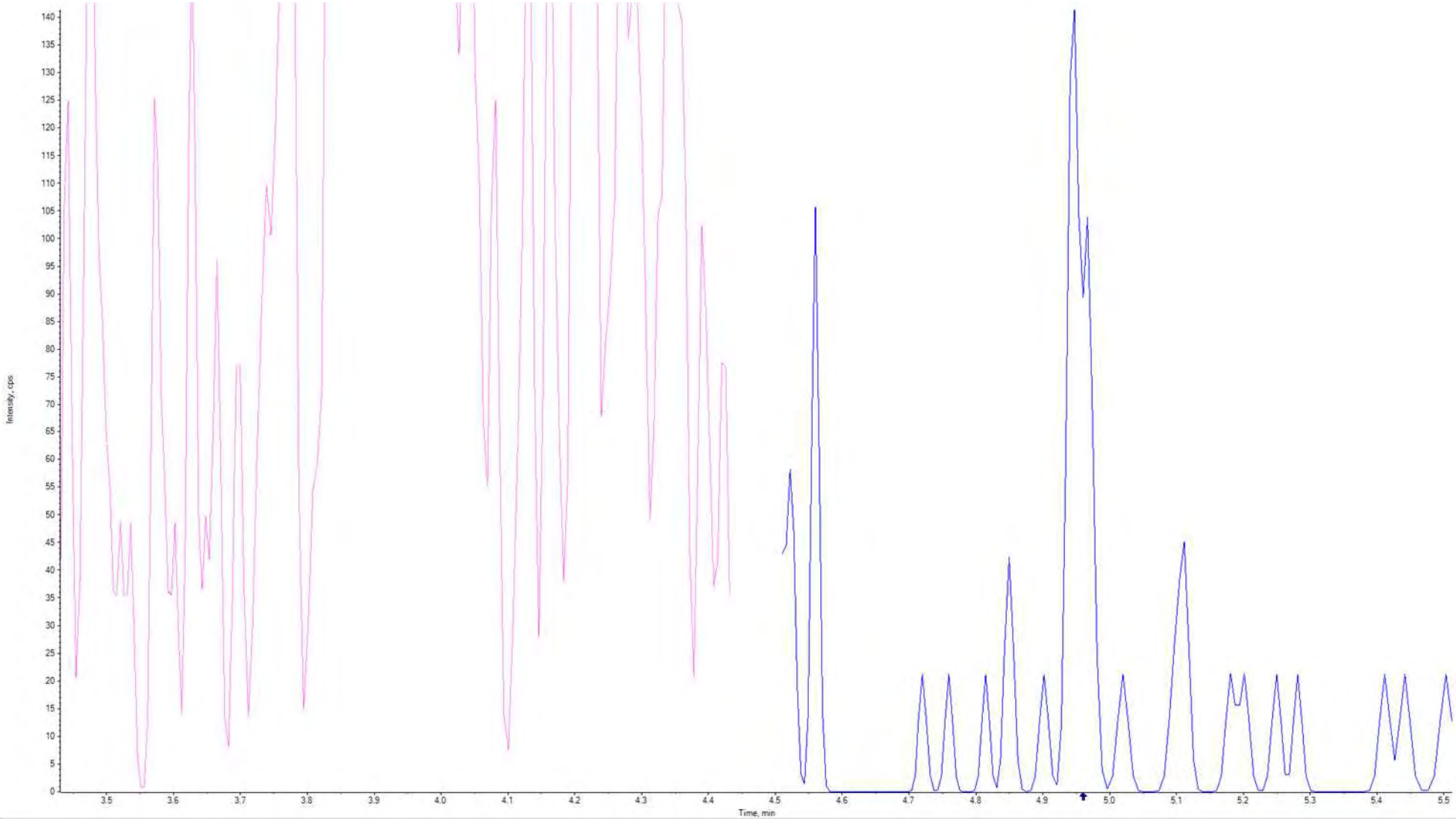

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3:3FTCA
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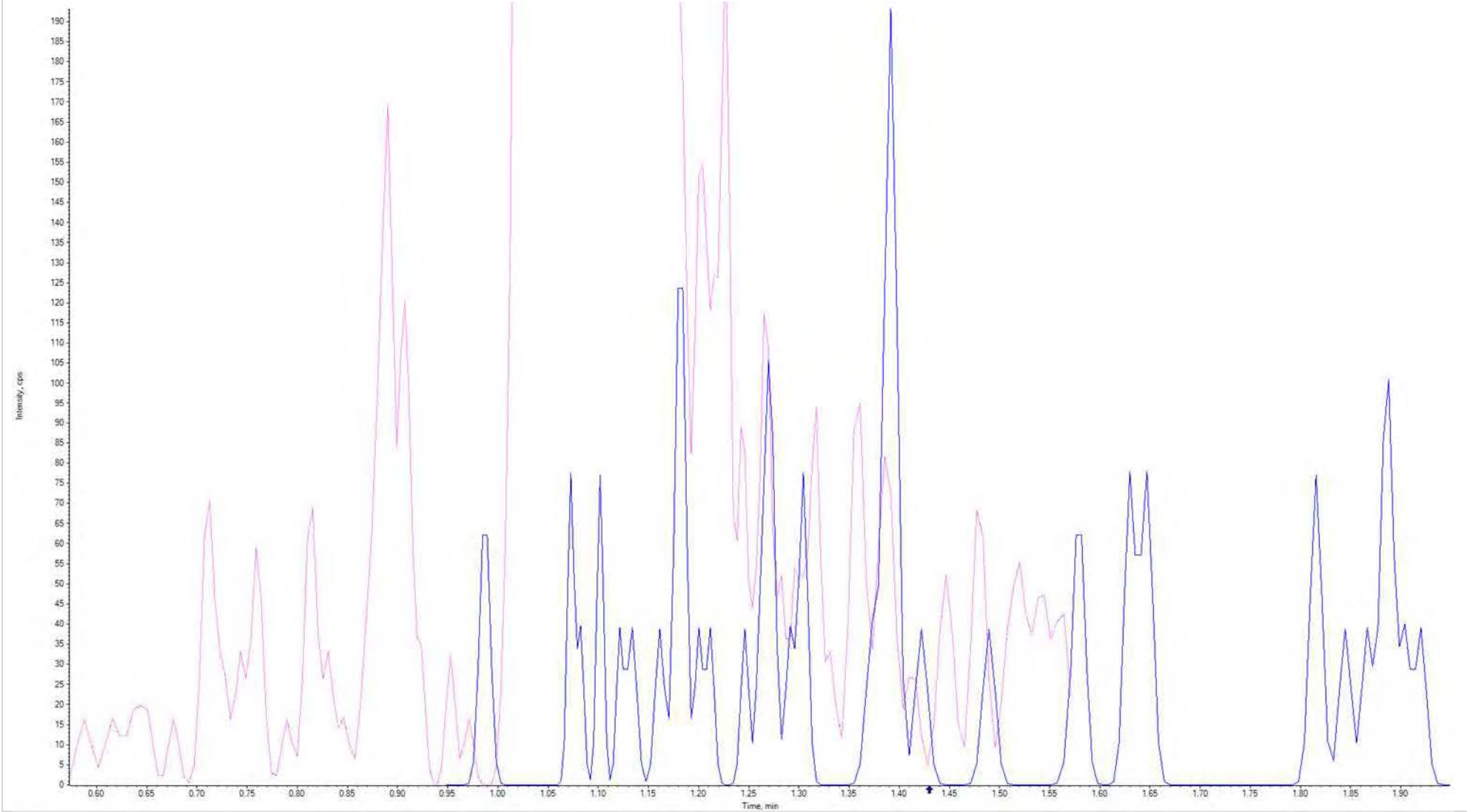

3:3FTCA_2
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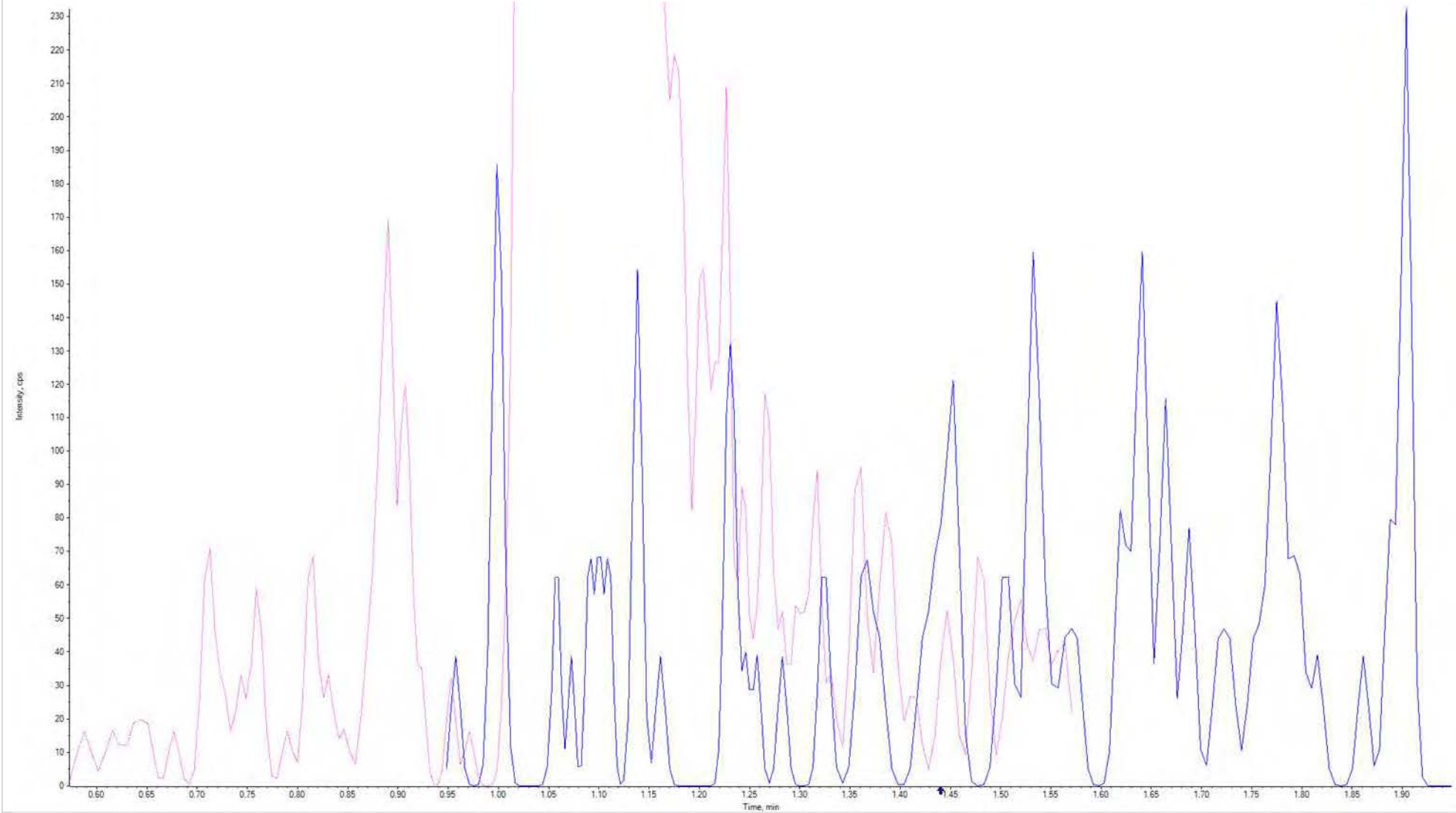

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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5:3FTCA
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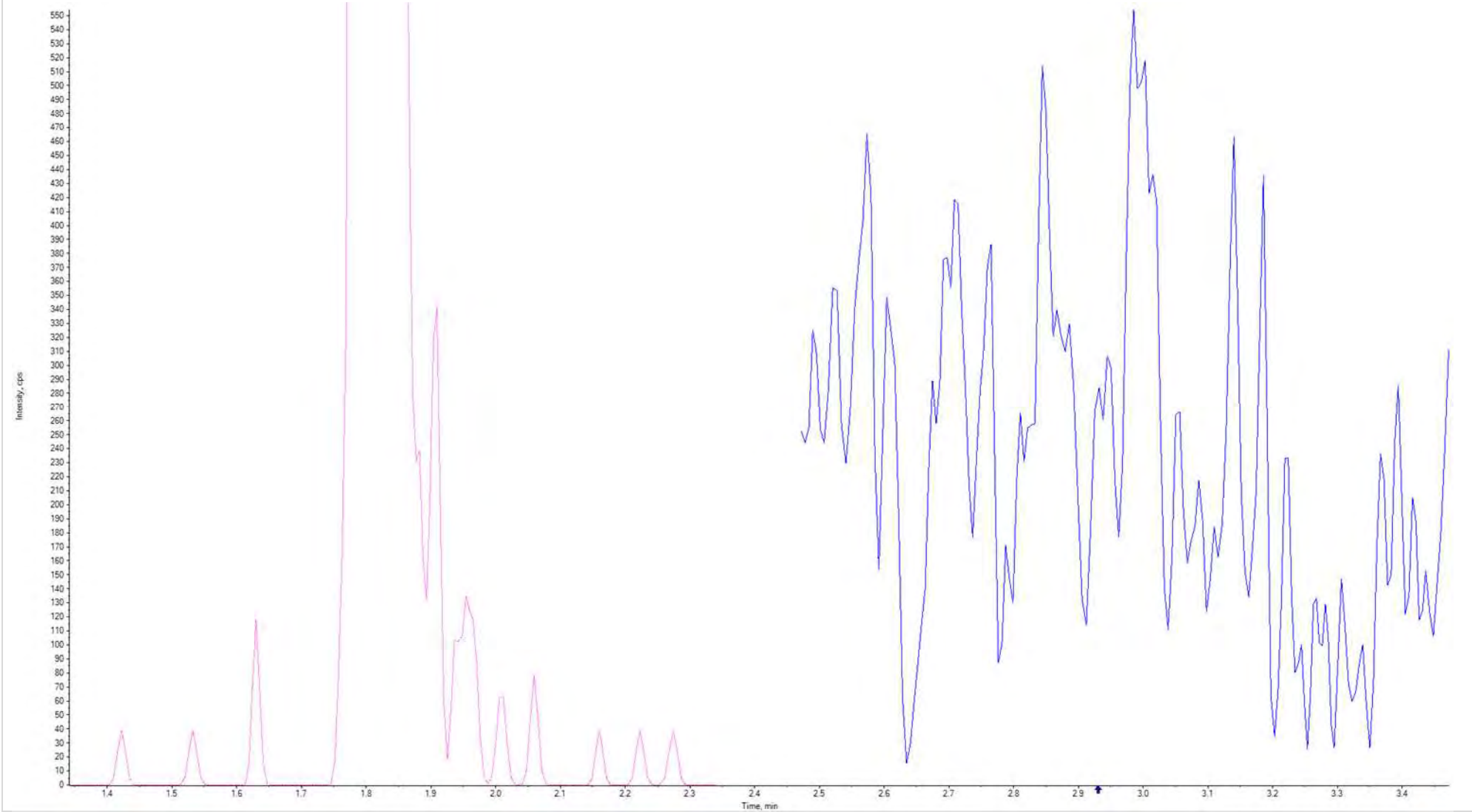

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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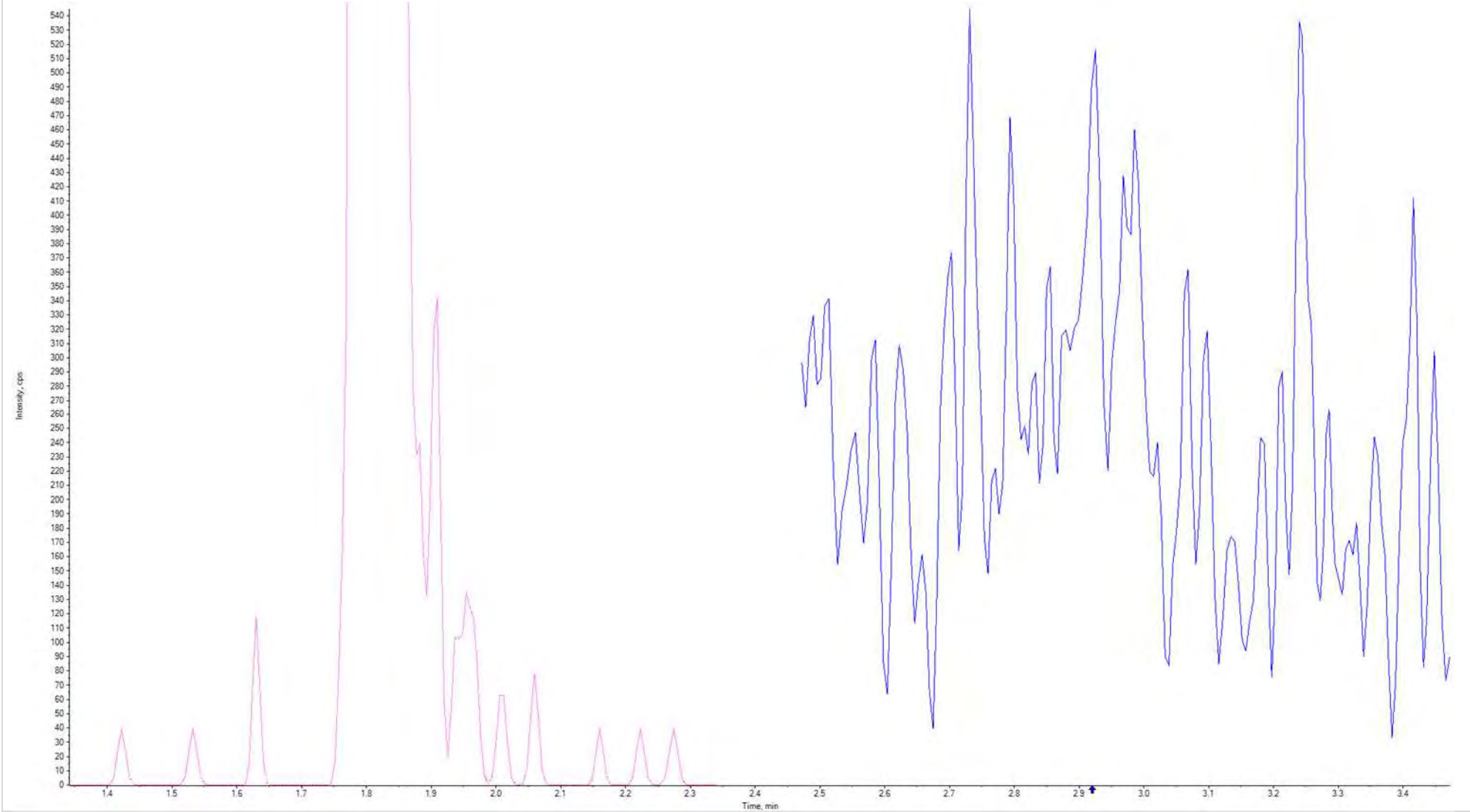

7:3FTCA
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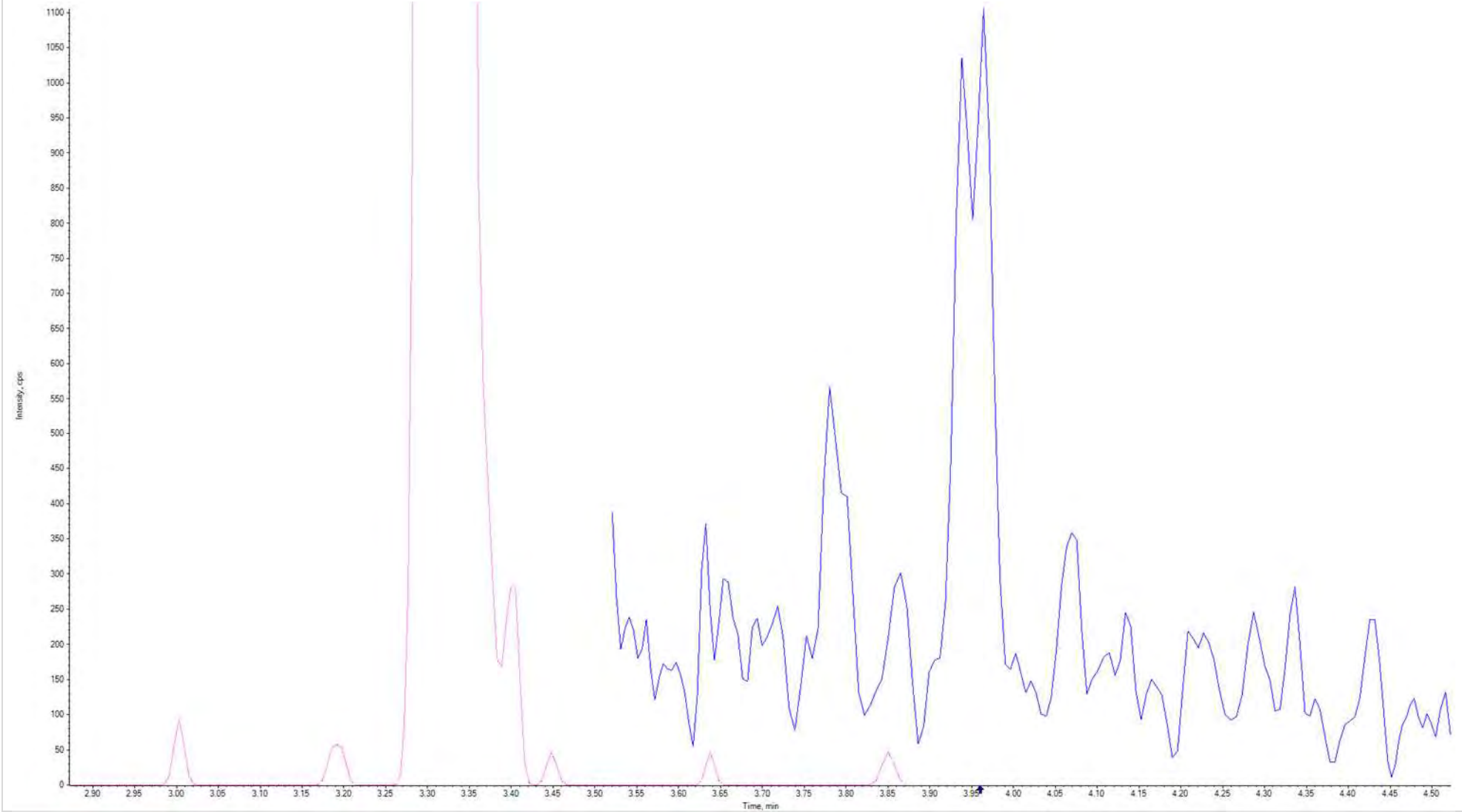
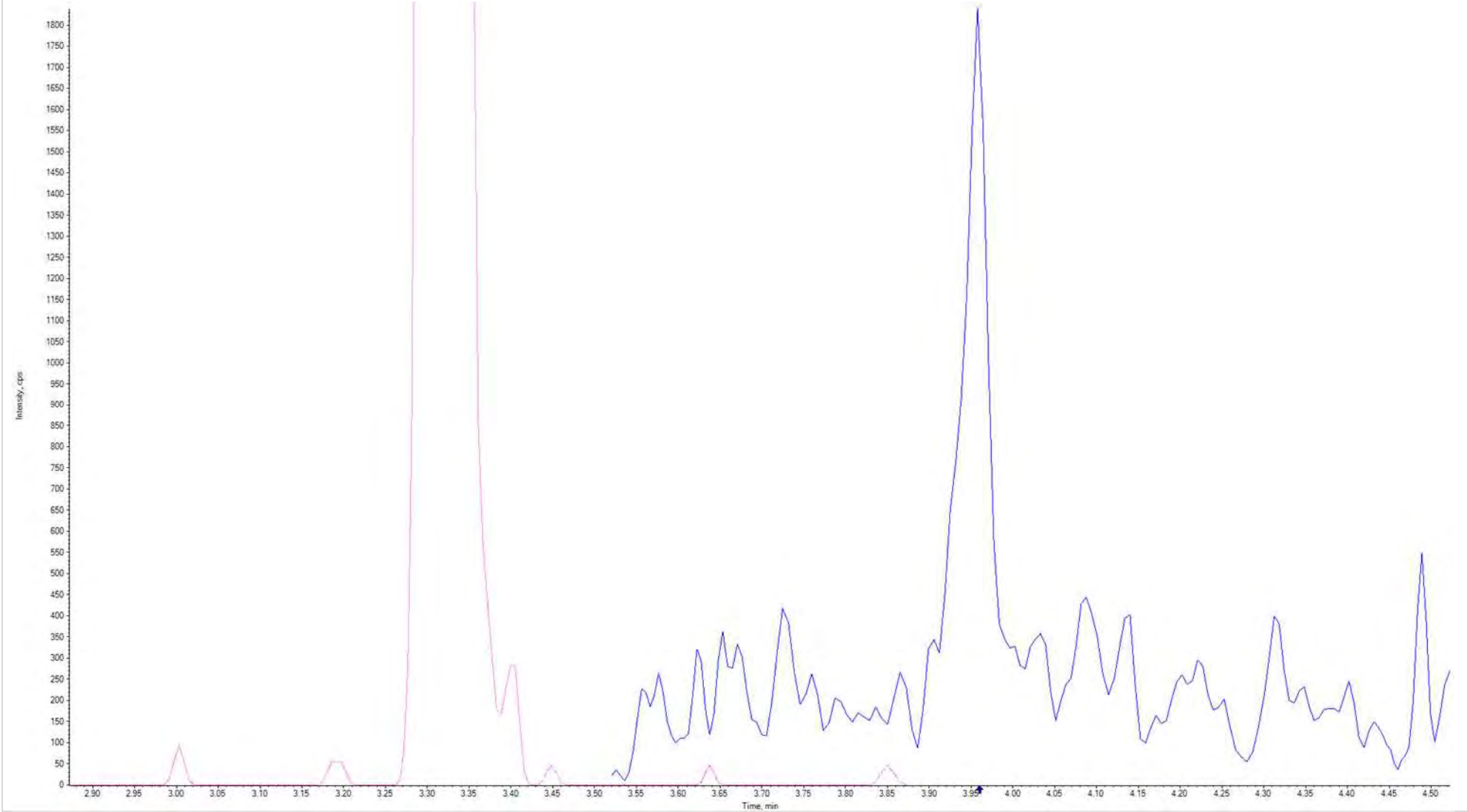
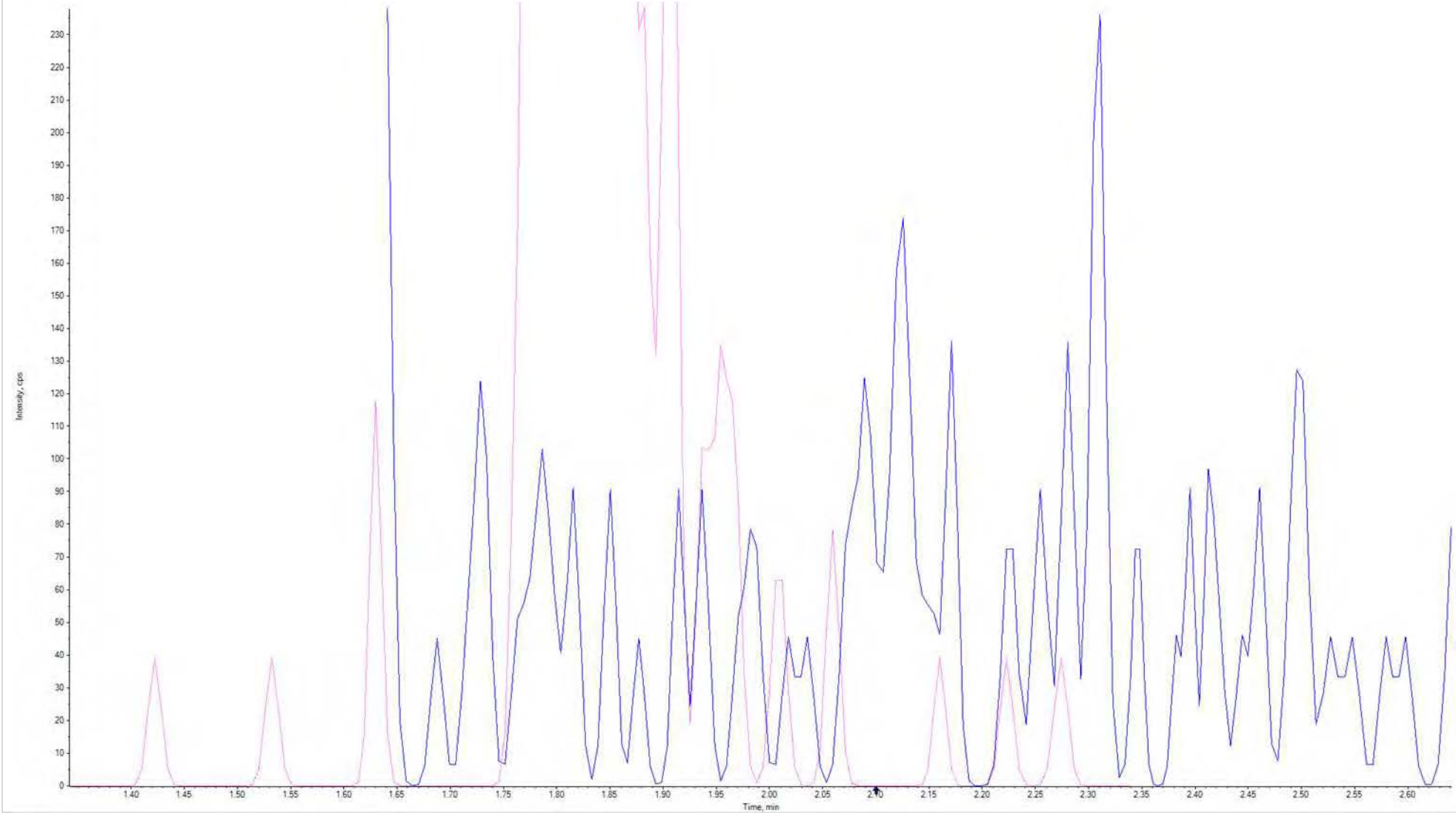


7:3FTCA_2
Sample: WG1996415-3,INSTBLNK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_26.wiff2_3
Last Altered: 11/12/2024 3:33:13 PM
Generated: 11/12/2024 3:31:45 PM

PFEESA
Sample: WG1996415-3,INSTBLNK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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PFEESA_2
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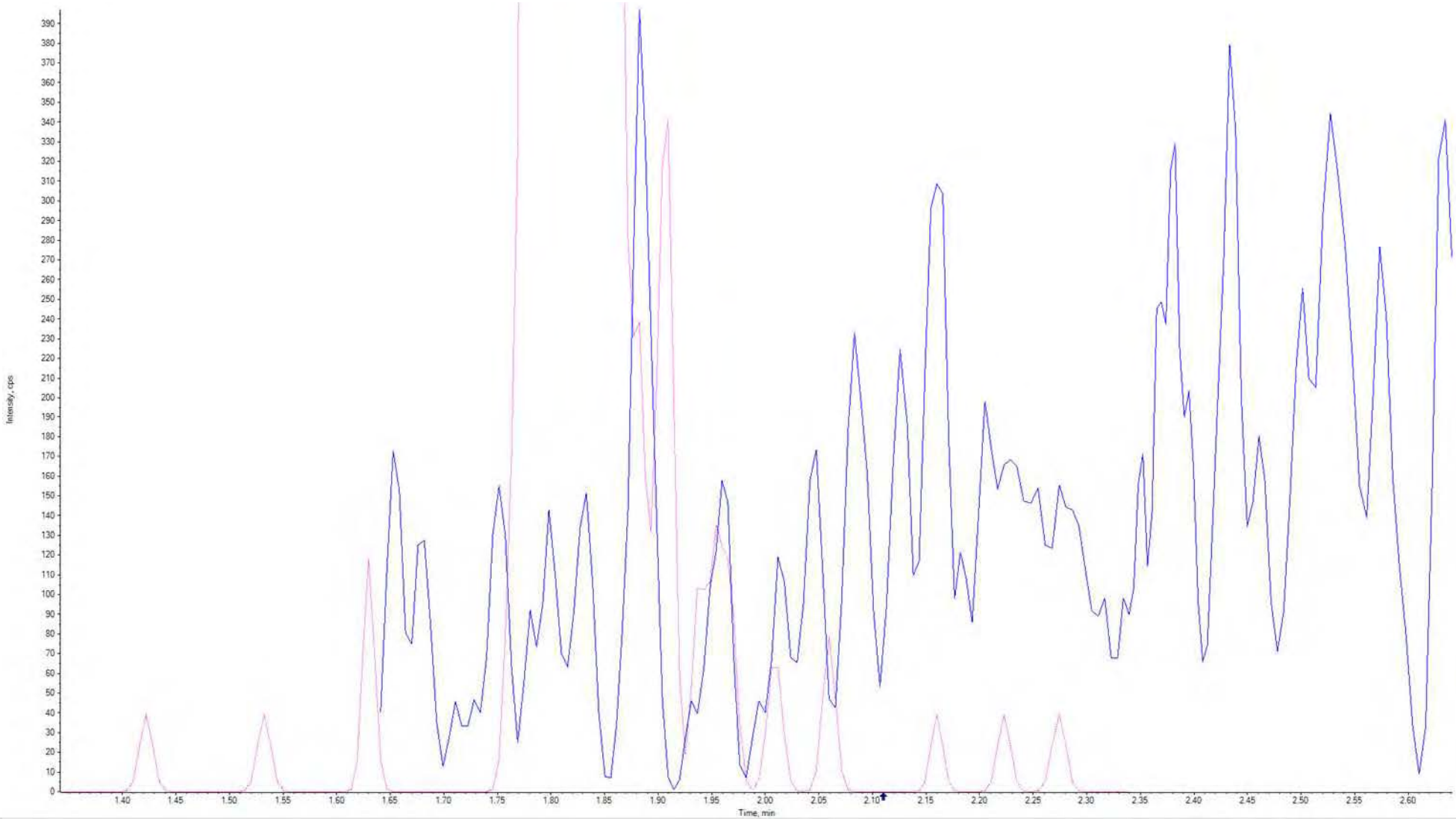
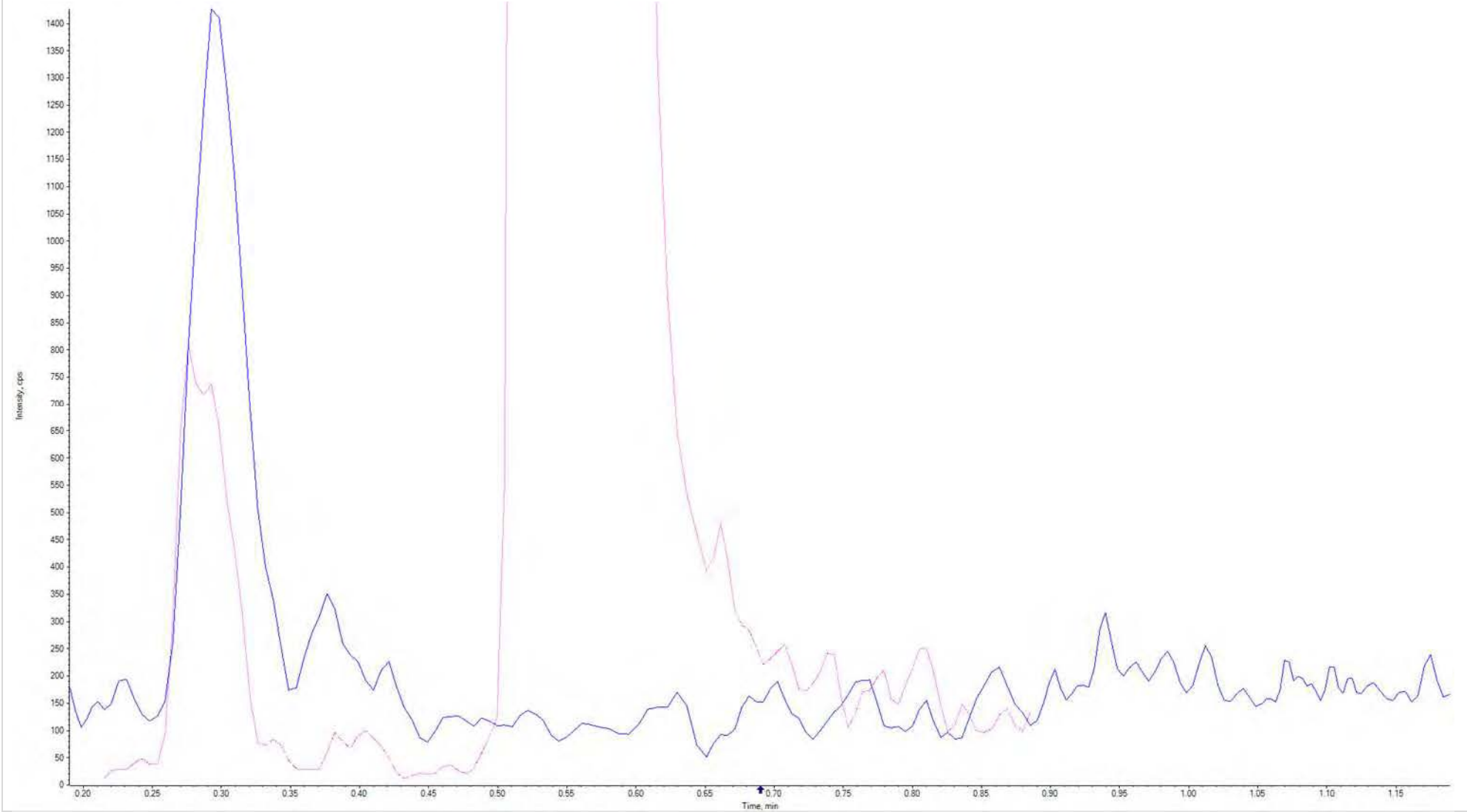
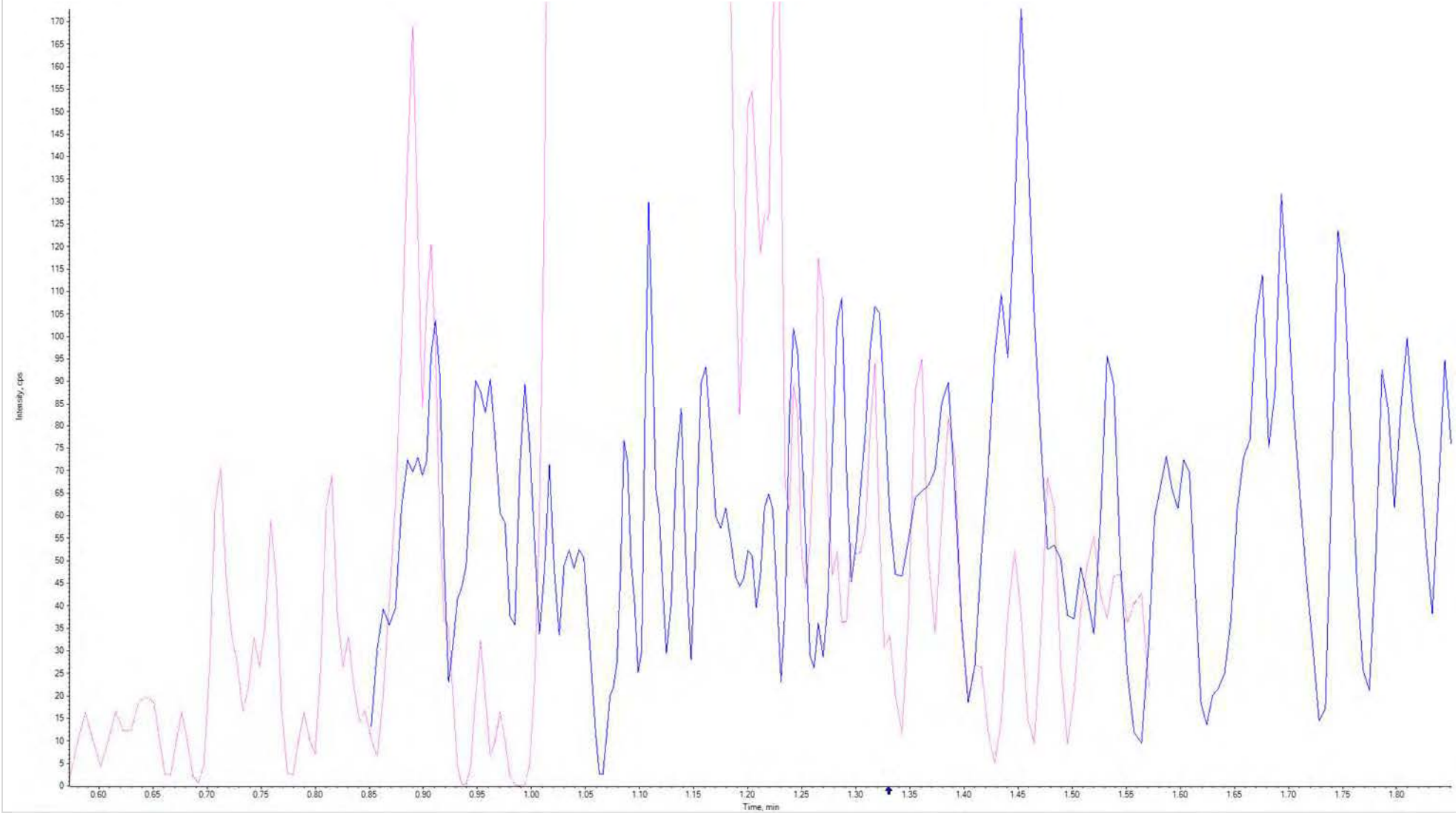


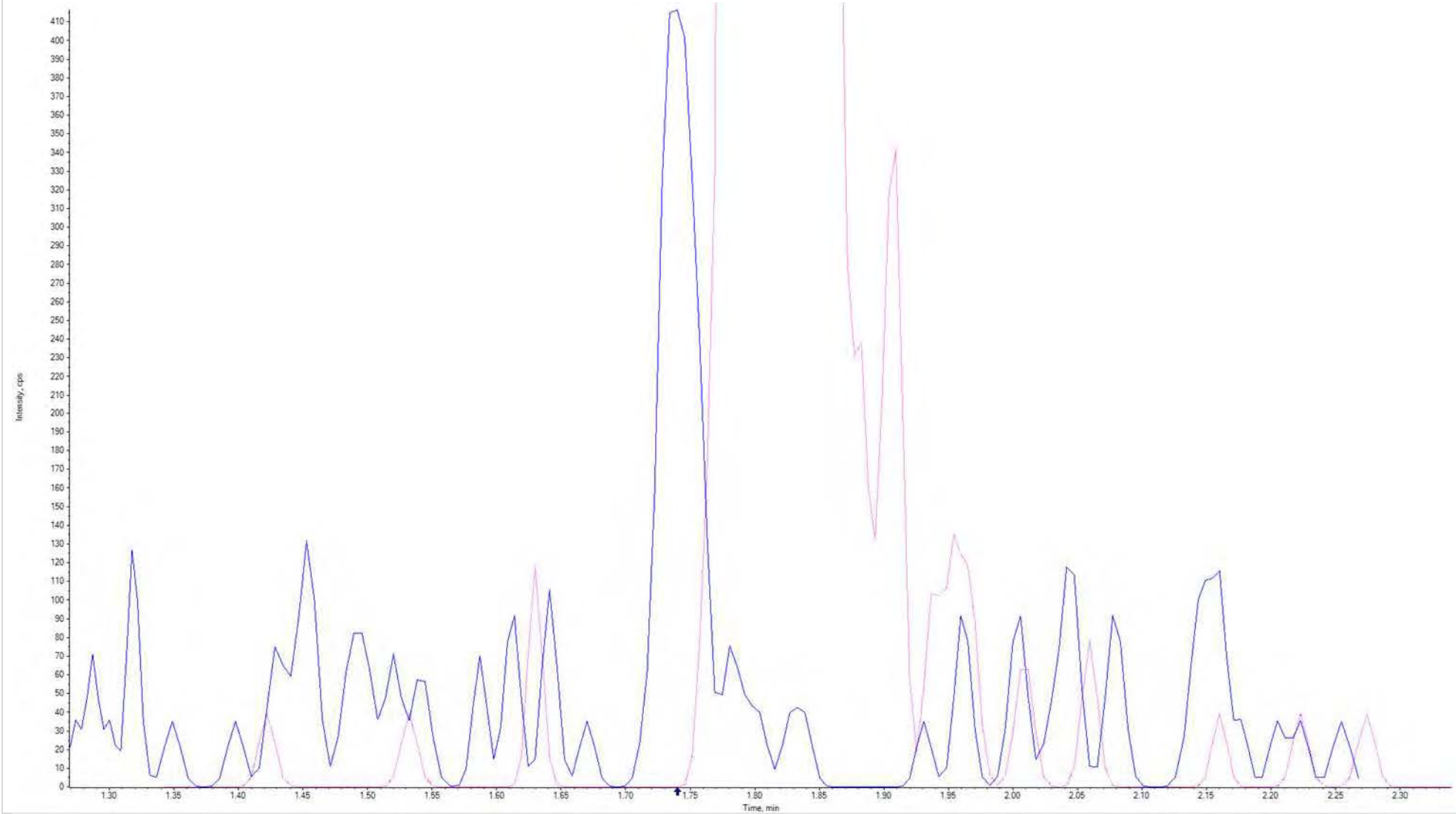
PFMPA
Sample: WG1996415-3,INSTBLNK S/N:N/A Points Across peak:N/A



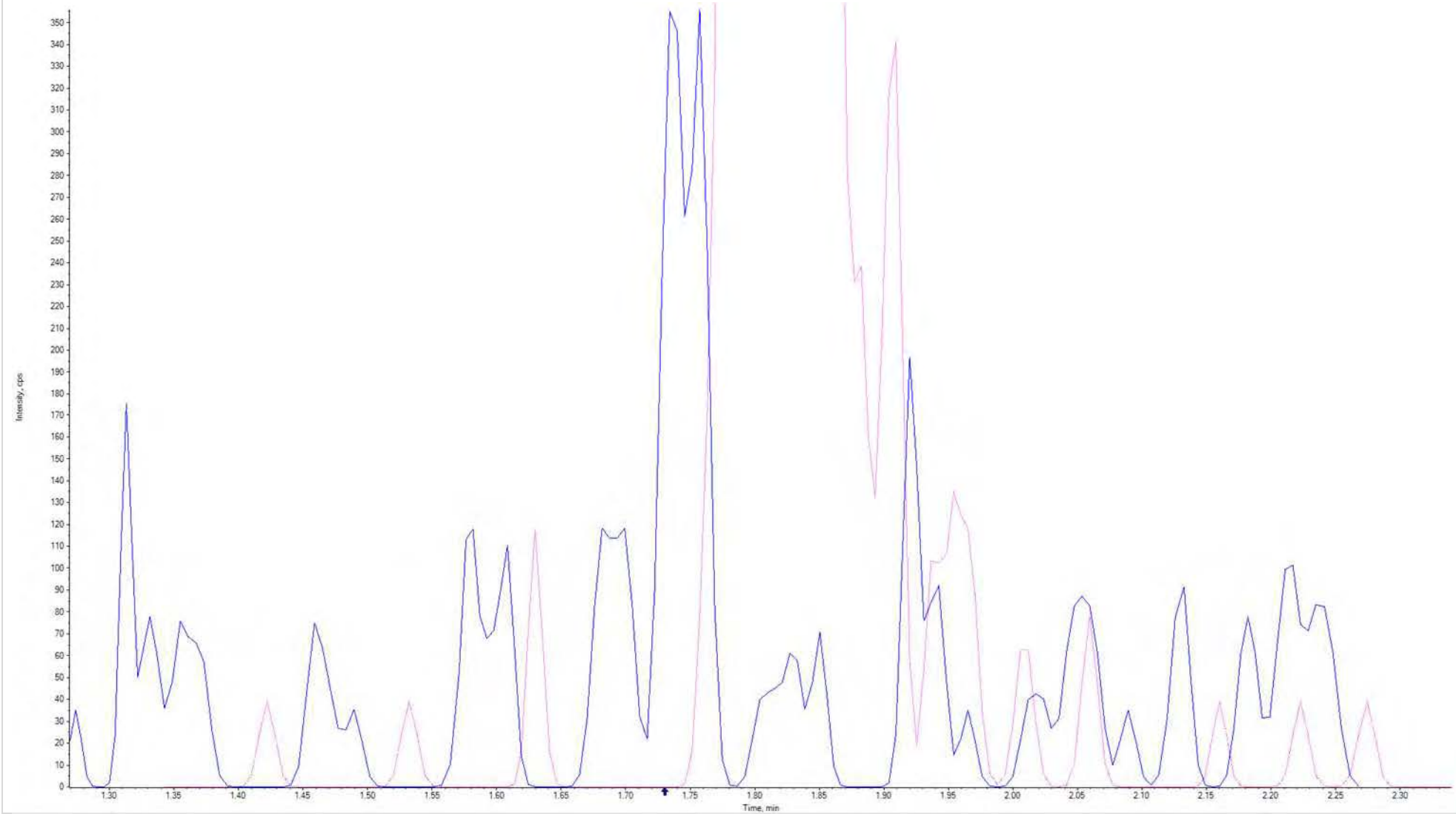
PFMBA
Sample: WG1996415-3,INSTBLNK S/N:N/A Points Across peak:N/A



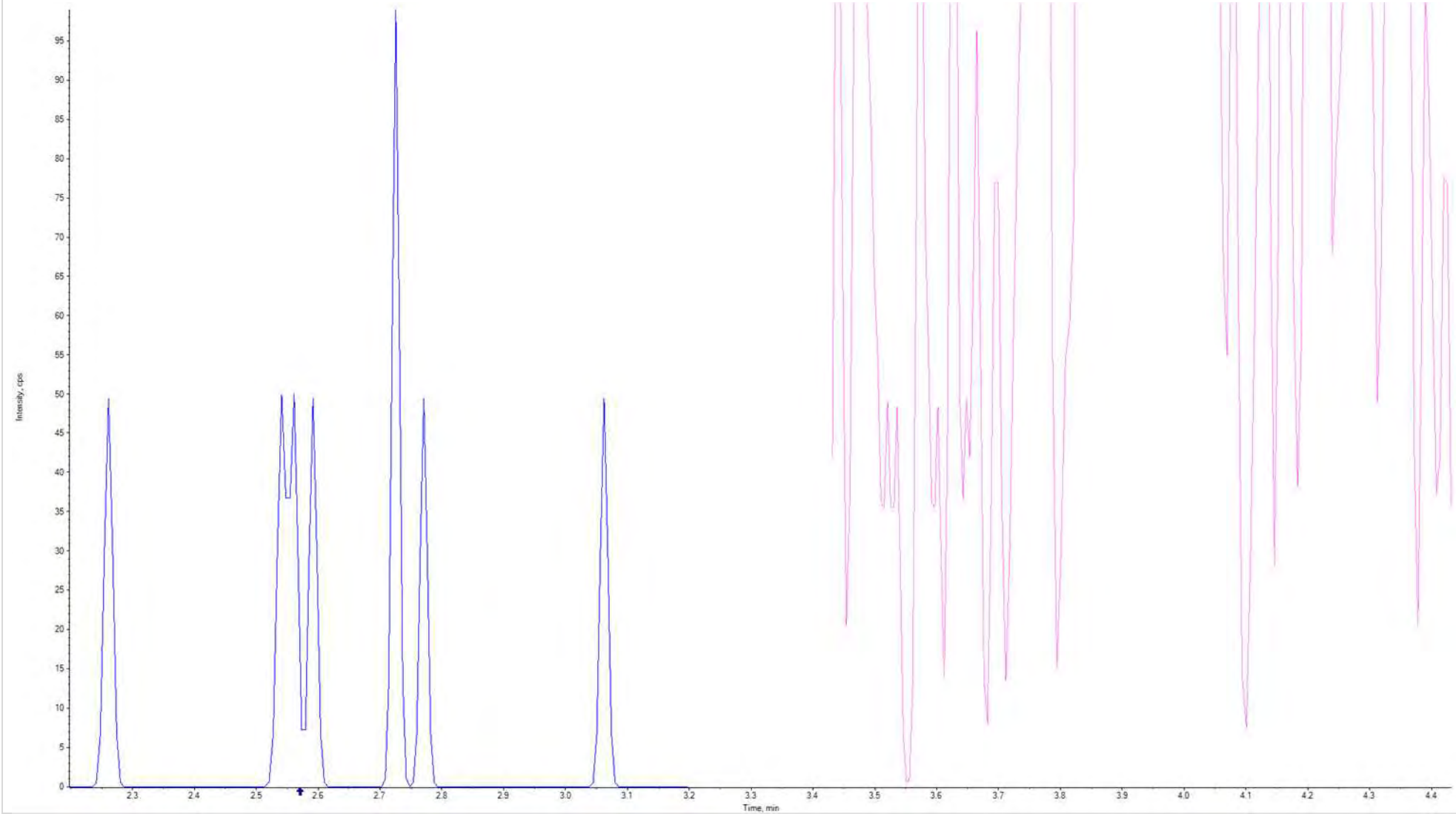
NFDHA
Sample: WG1996415-3,INSTBLNK S/N:N/A Points Across peak:N/A



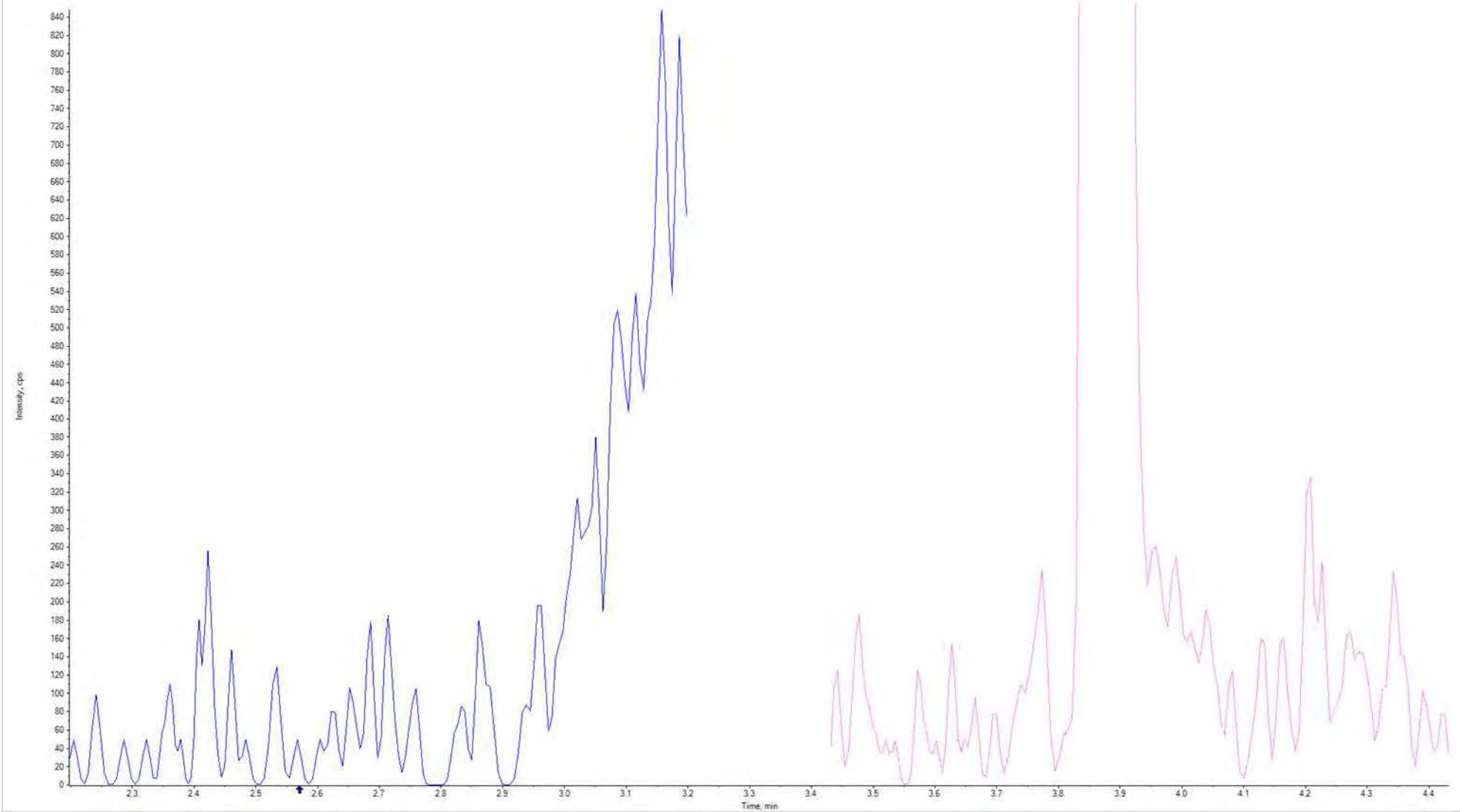
NFDHA_2
Sample: WG1996415-3,INSTBLNK S/N:N/A Points Across peak:N/A



TDCA
Sample: WG1996415-3,INSTBLNK S/N:N/A Points Across peak:N/A



TDCA_2
Sample: WG1996415-3,INSTBLNK S/N:N/A Points Across peak:N/A



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Alpha Analytical LLC
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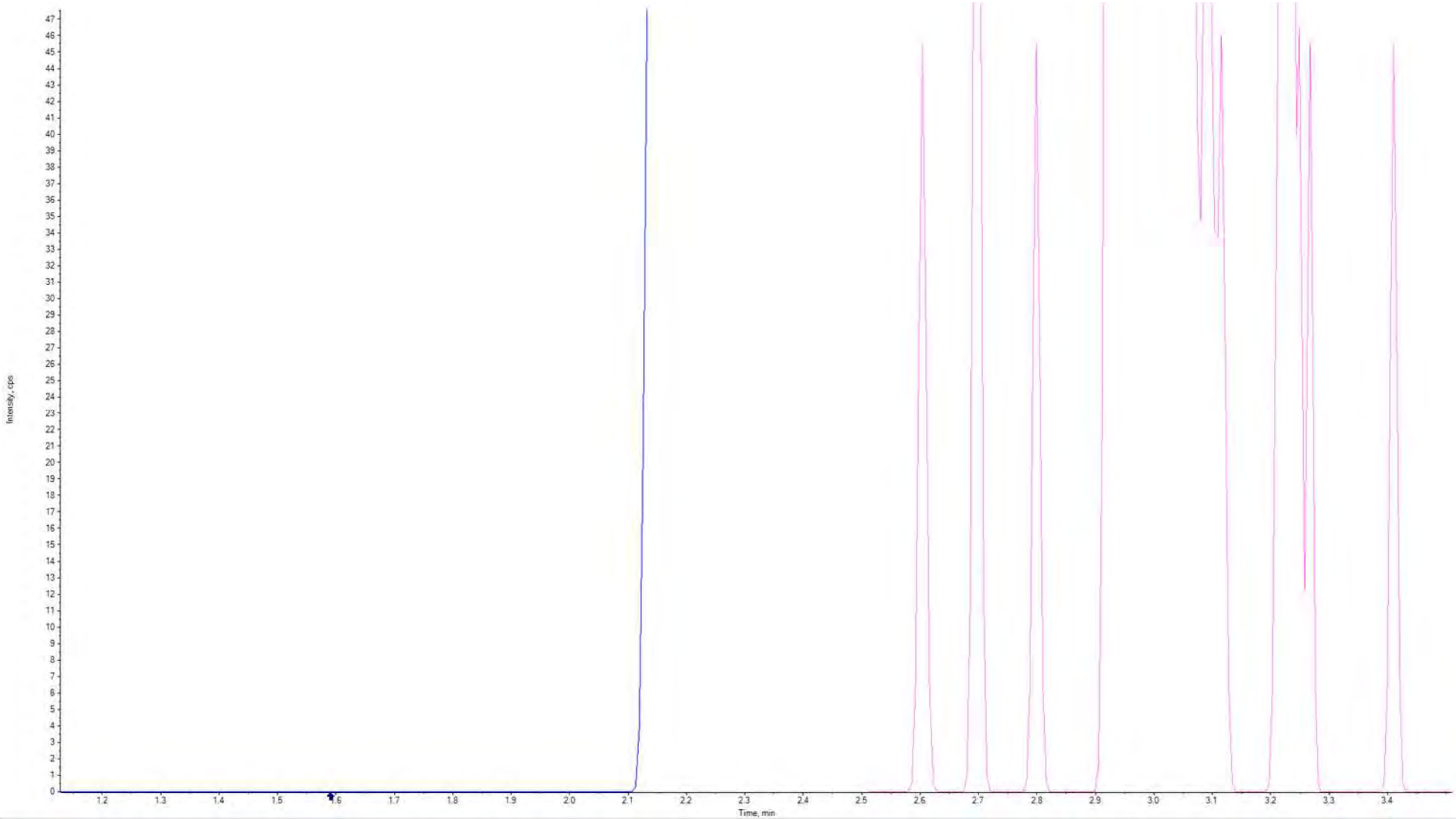
13C2D4-4:2FTS
Sample: WG1996415-3,INSTBLNK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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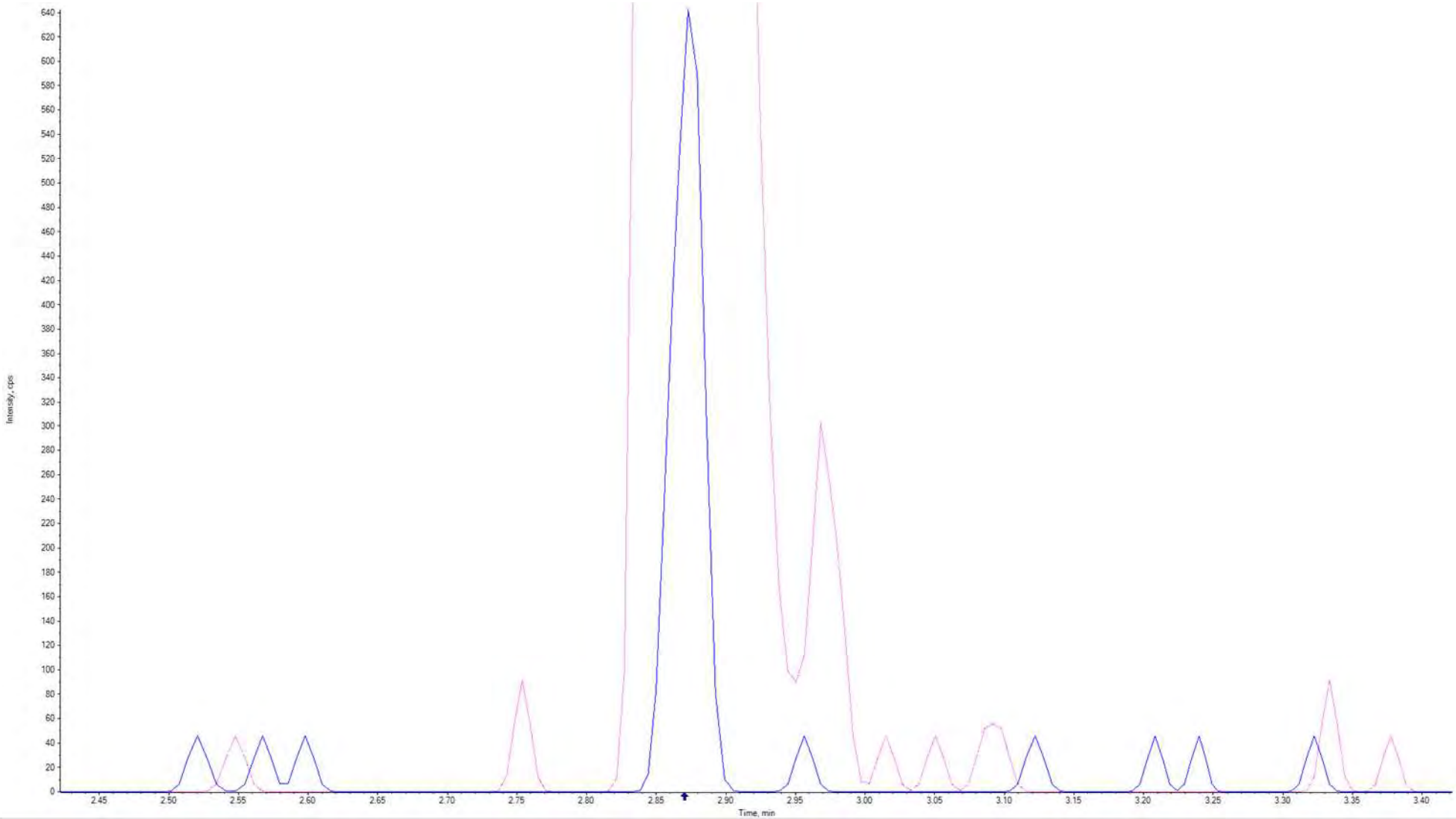
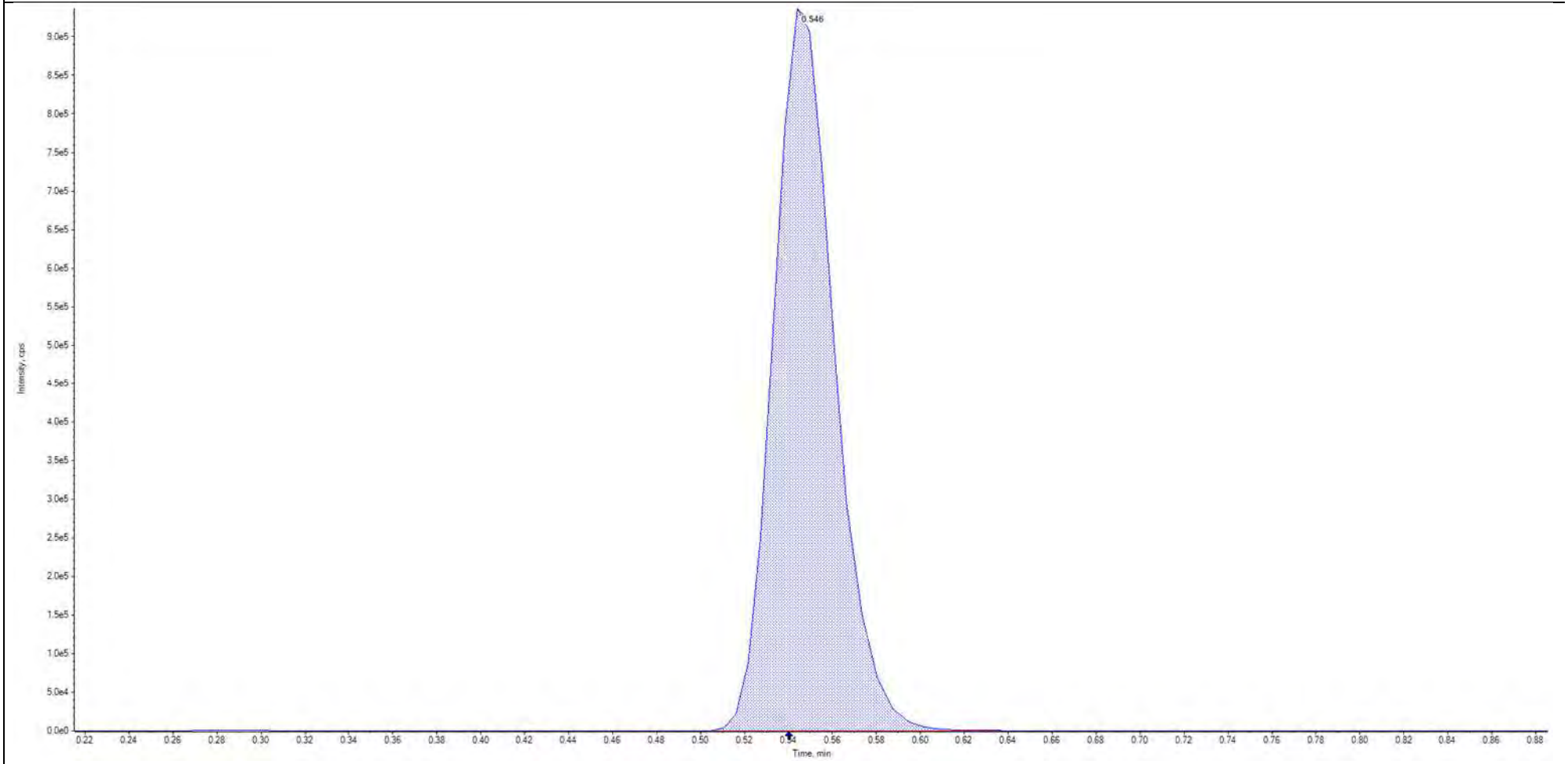
Last Altered: 11/12/2024 3:33:13 PM
Generated: 11/12/2024 3:31:45 PM

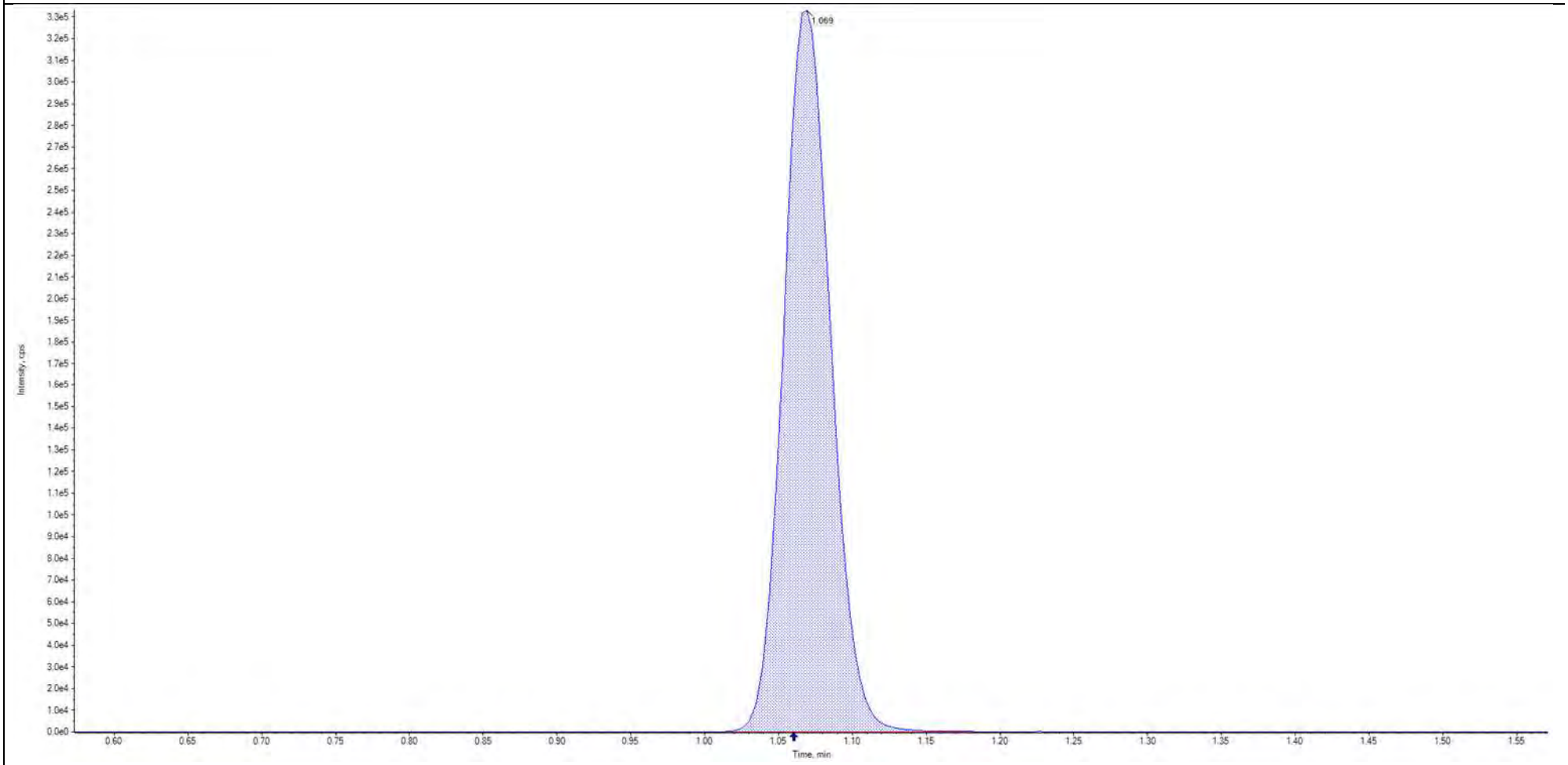
13C2-PFOA
Sample: WG1996415-3,INSTBLNK S/N:N/A Points Across peak:N/A



13C4-PFBA
Sample: WG1996415-3,INSTBLNK



13C5-PFPeA
Sample: WG1996415-3,INSTBLNK



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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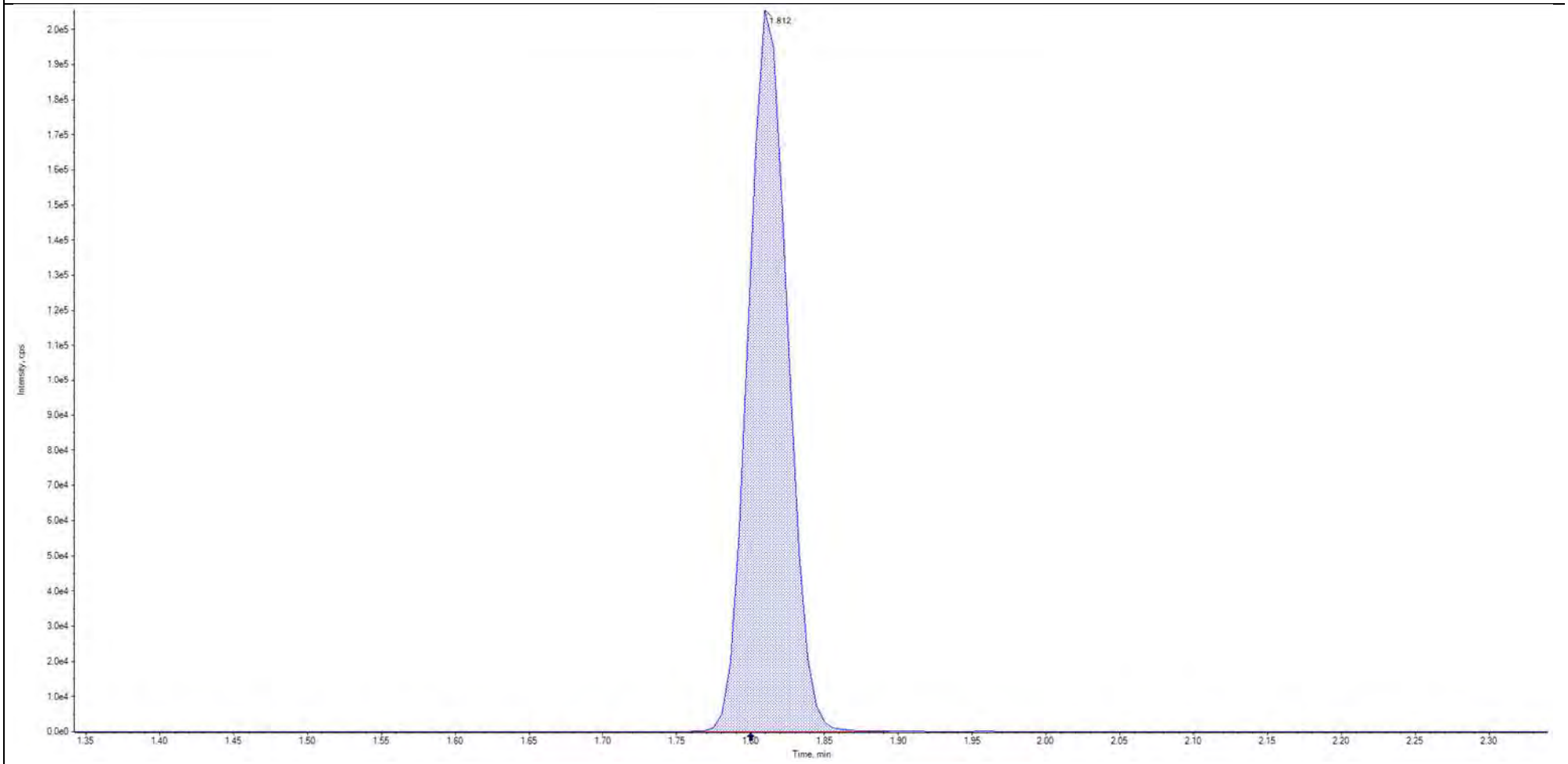
13C5-PFHxA
Sample: WG1996415-3,INSTBLNK



13C4-PFHpA
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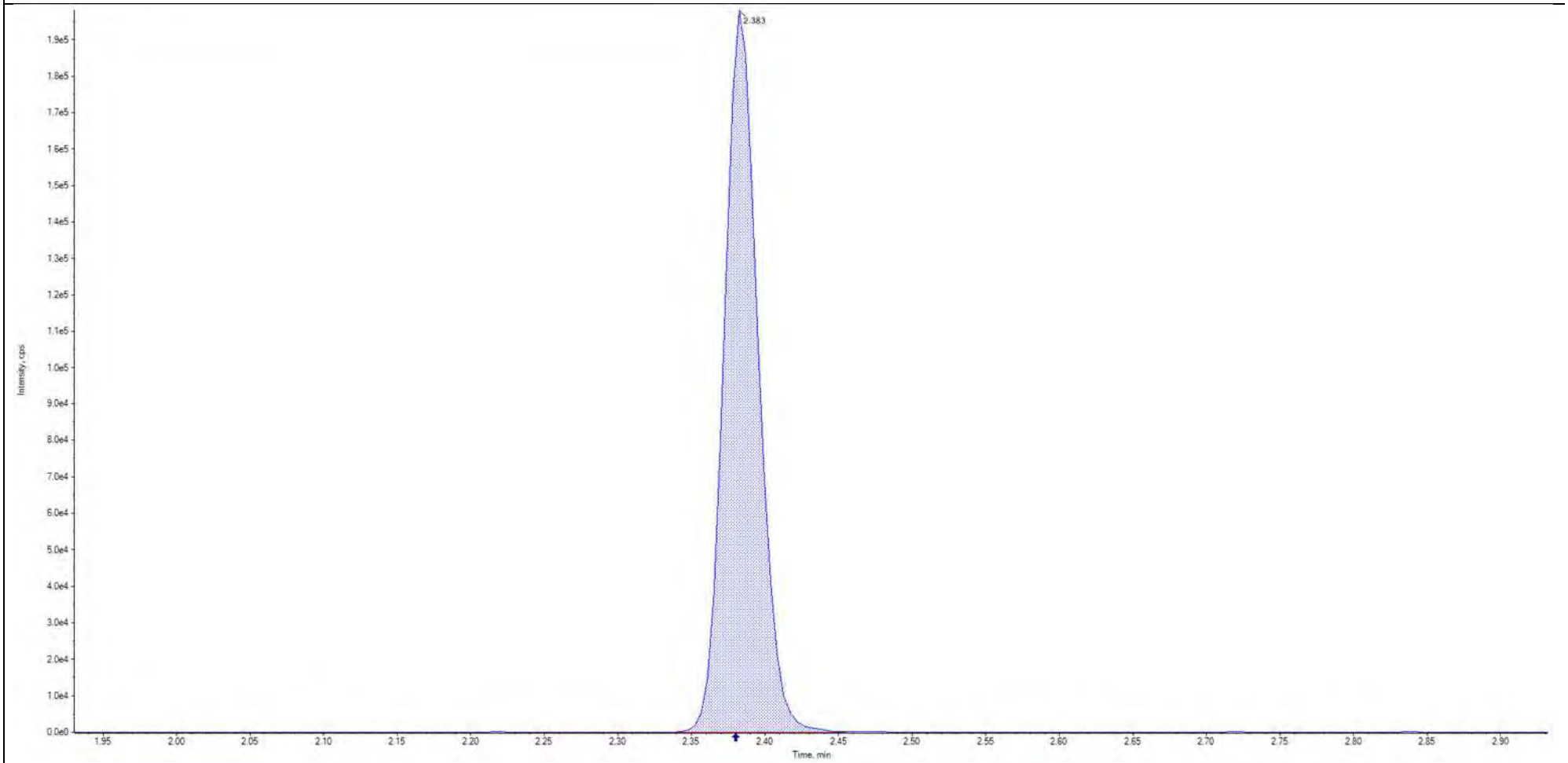
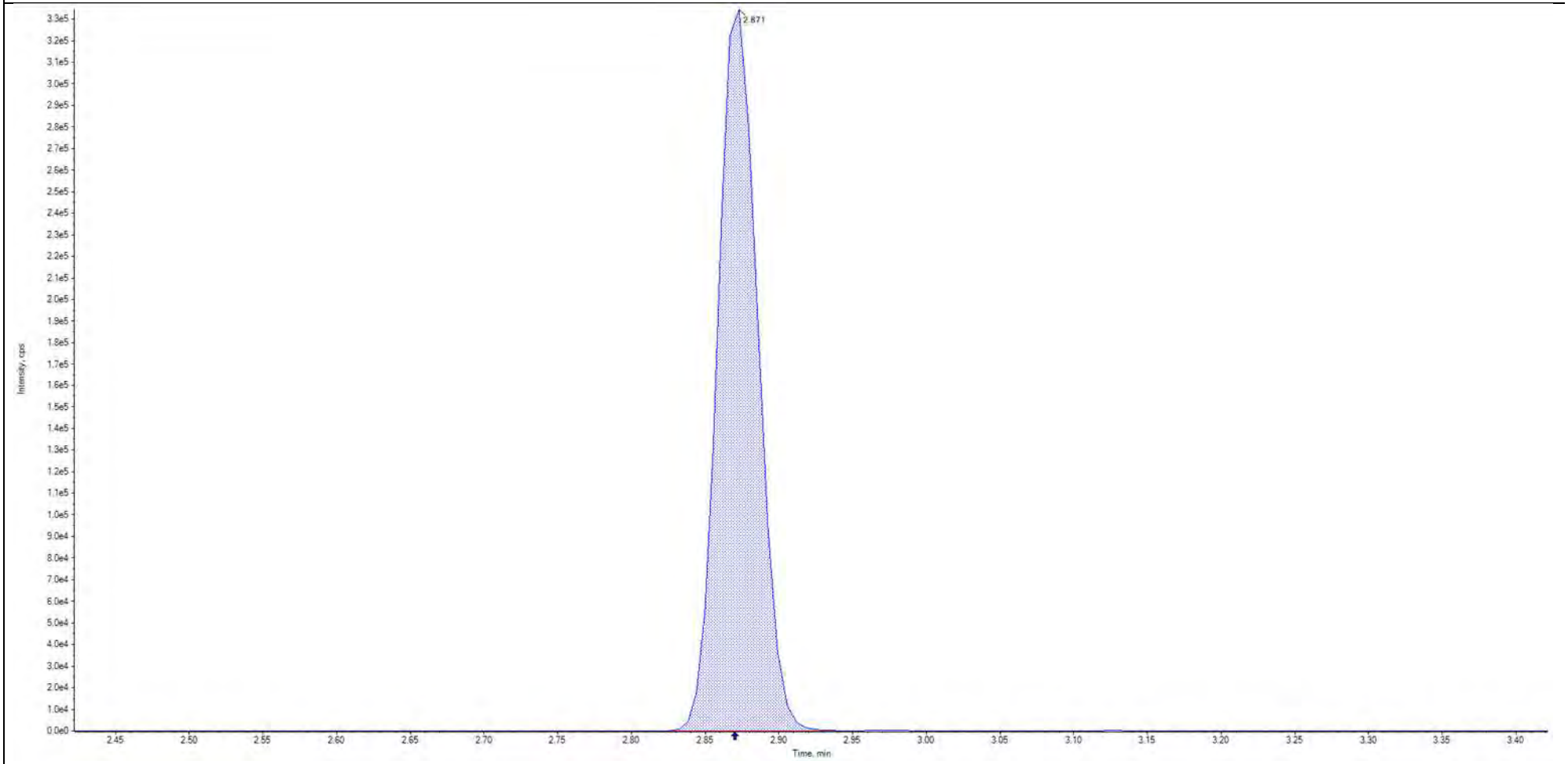
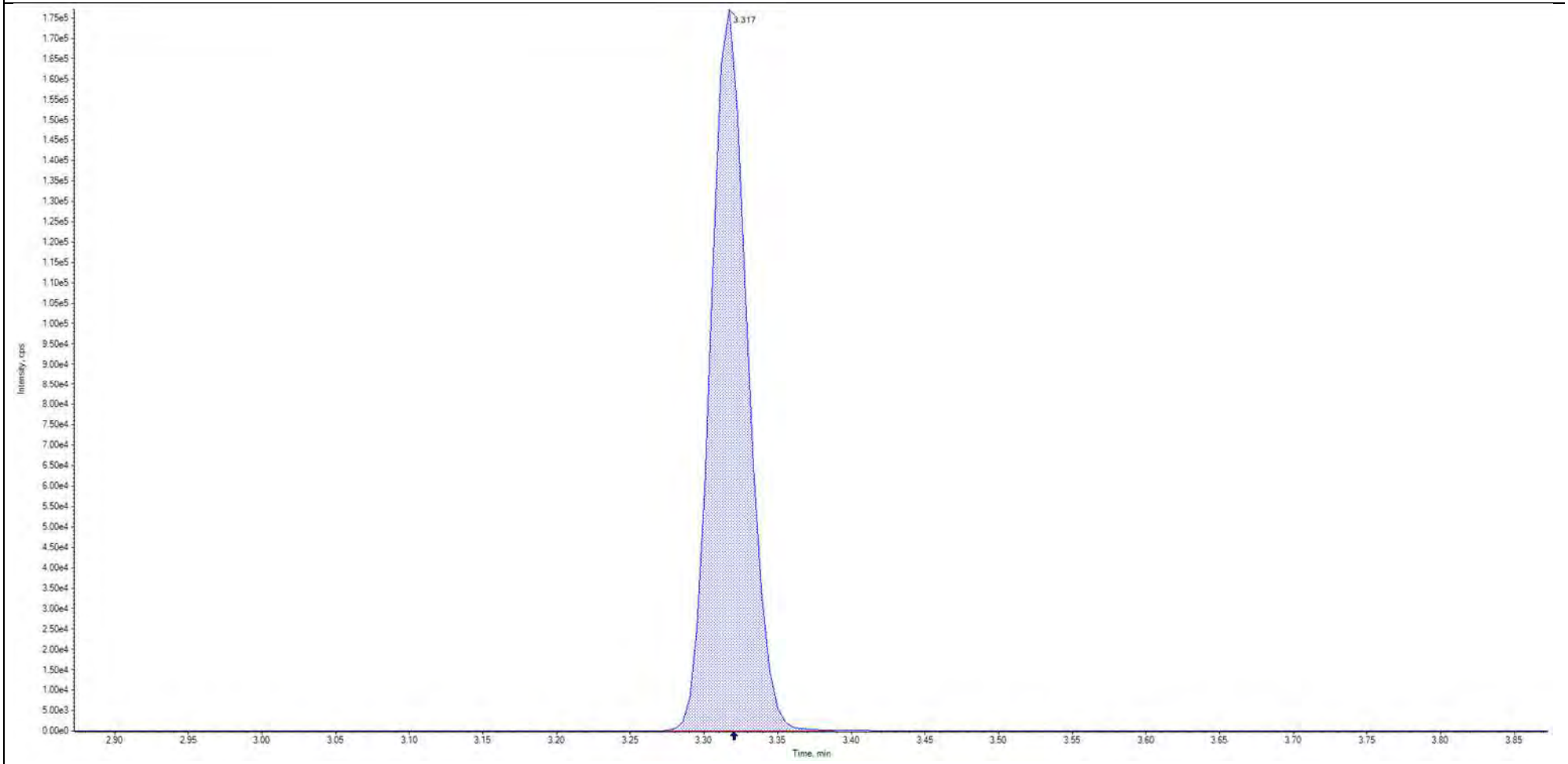


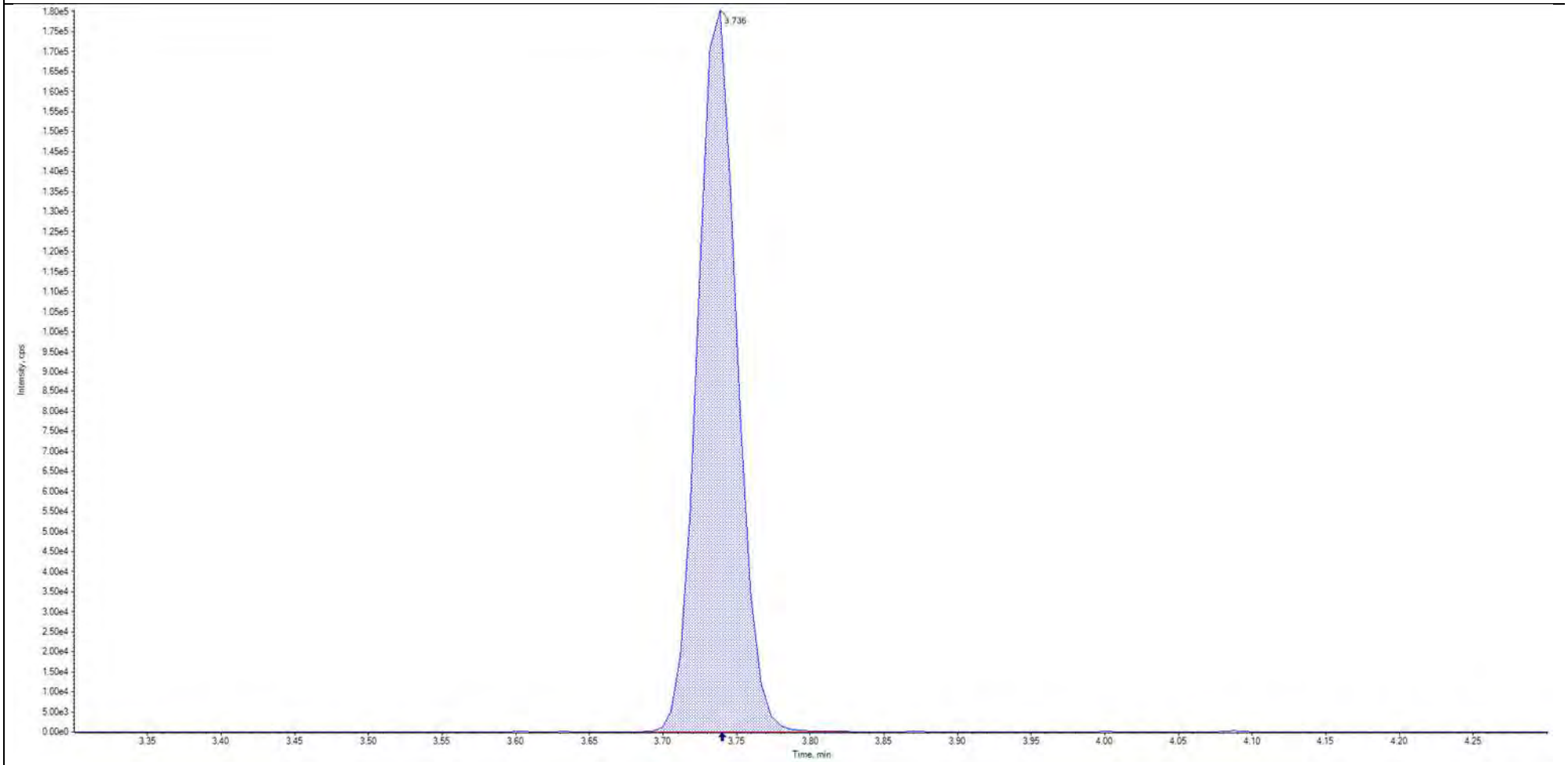
13C8-PFOA
Sample: WG1996415-3,INSTBLNK



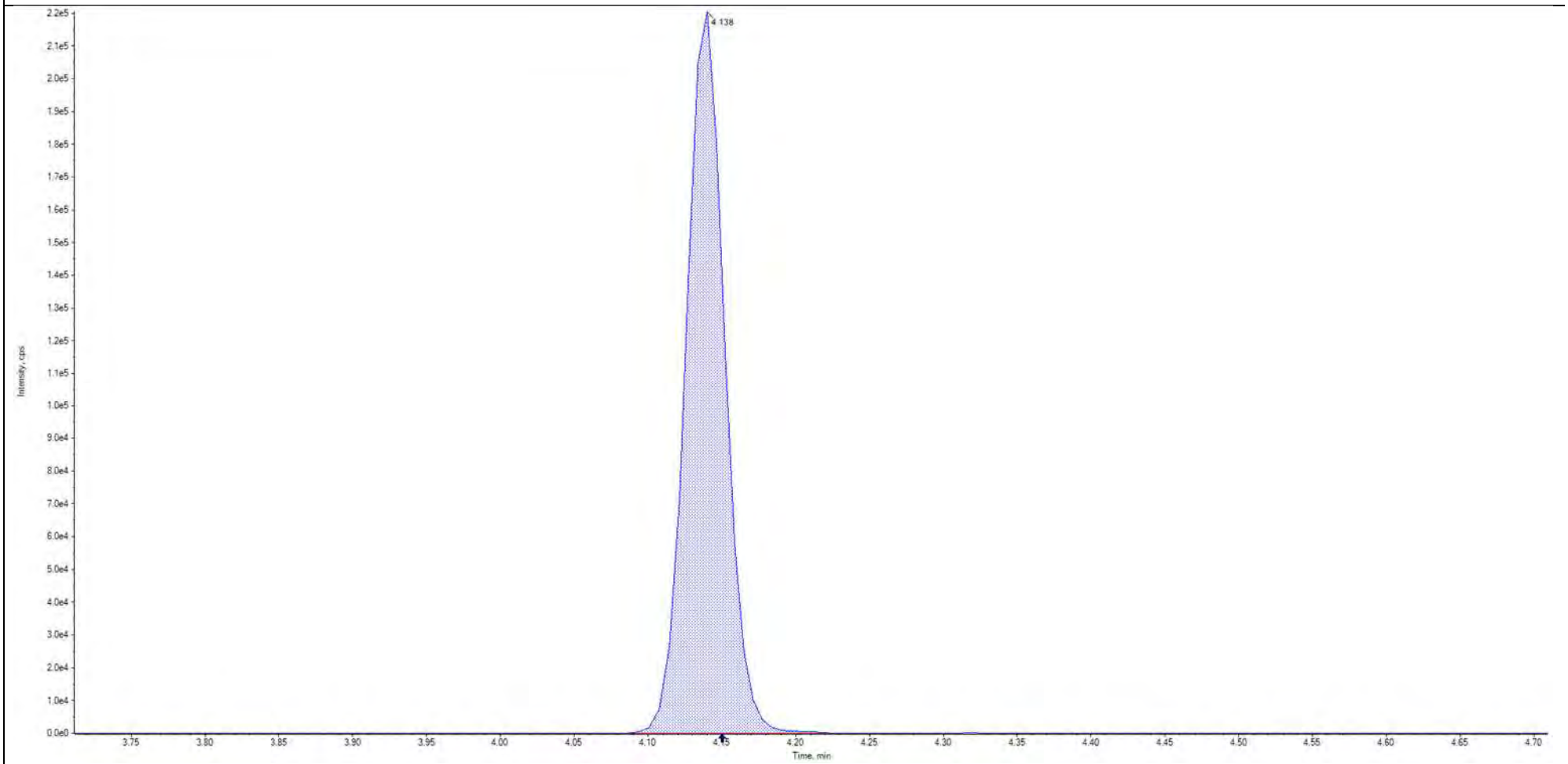
13C9-PFNA
Sample: WG1996415-3,INSTBLNK



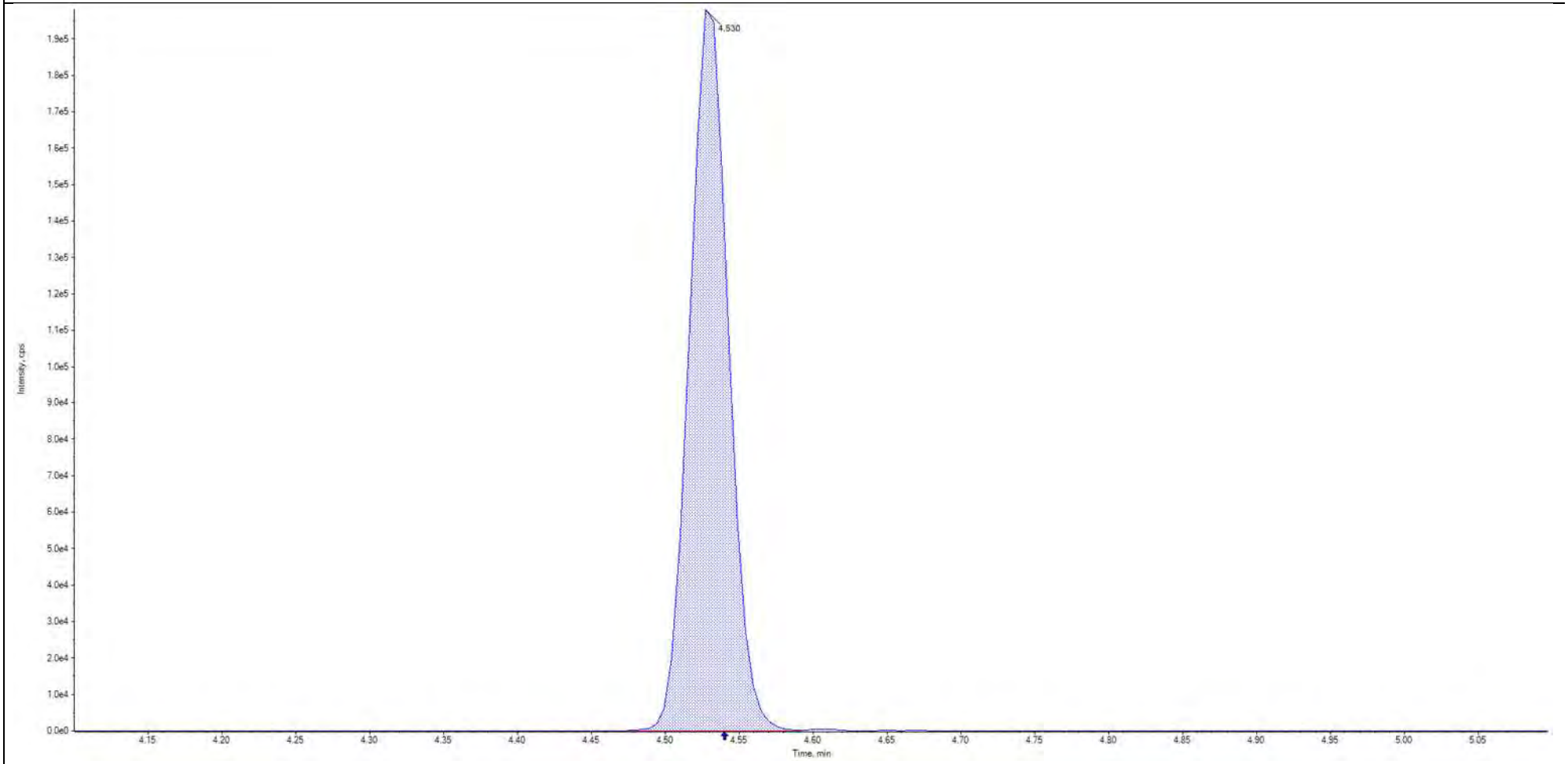
13C6-PFDA
Sample: WG1996415-3,INSTBLNK



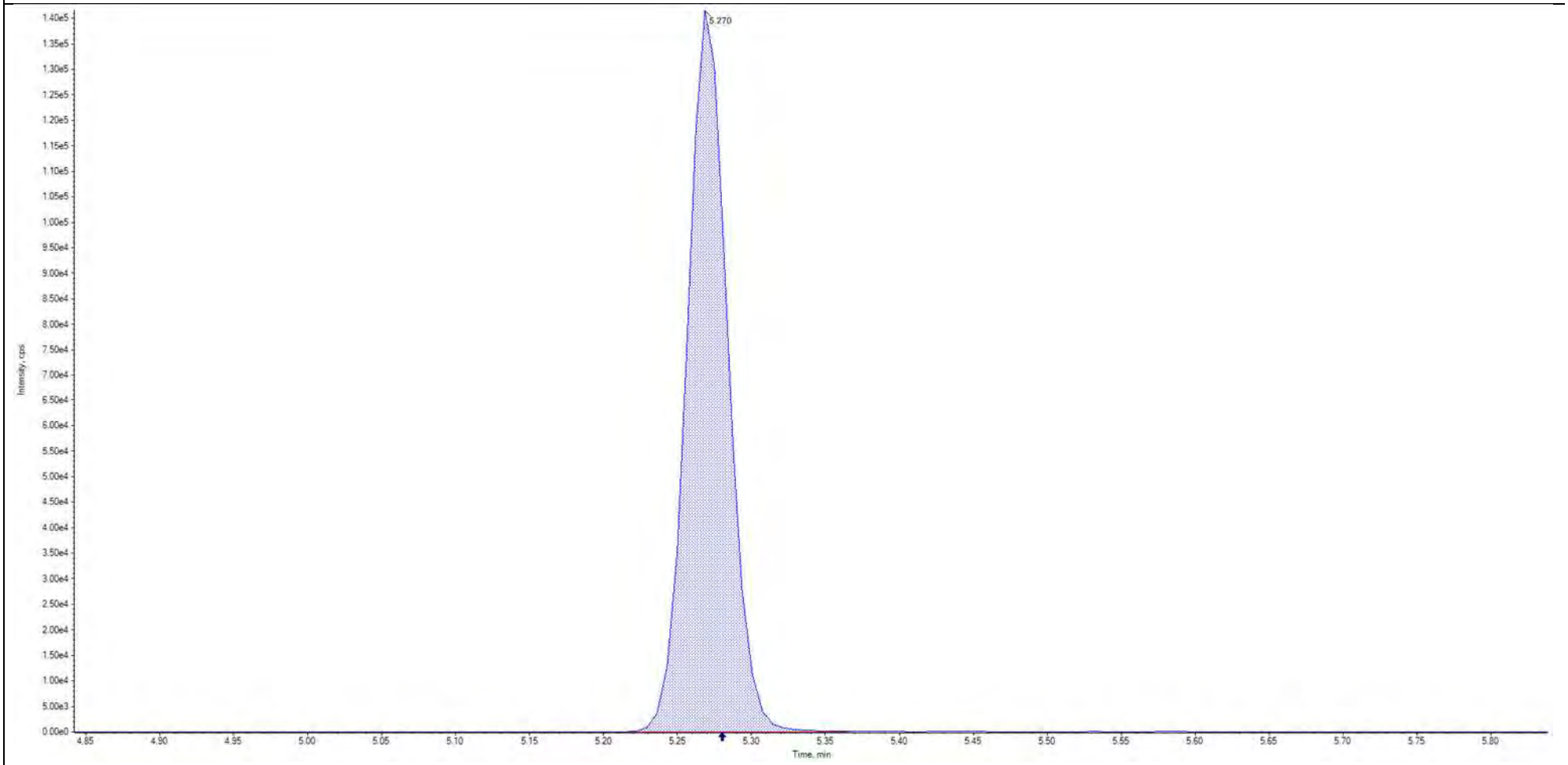
13C7-PFUnA
Sample: WG1996415-3,INSTBLNK



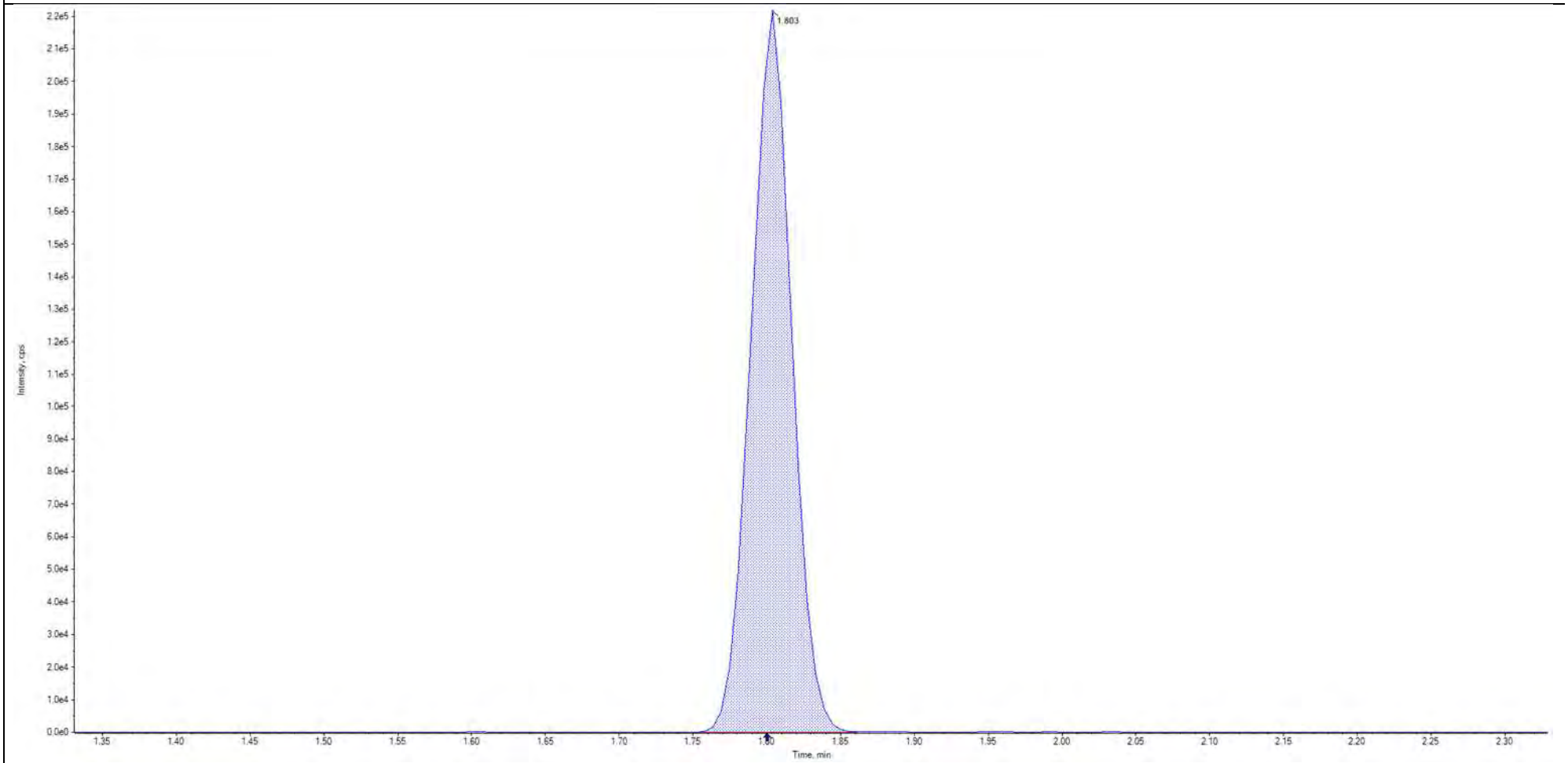
13C2-PFDoA
Sample: WG1996415-3,INSTBLNK



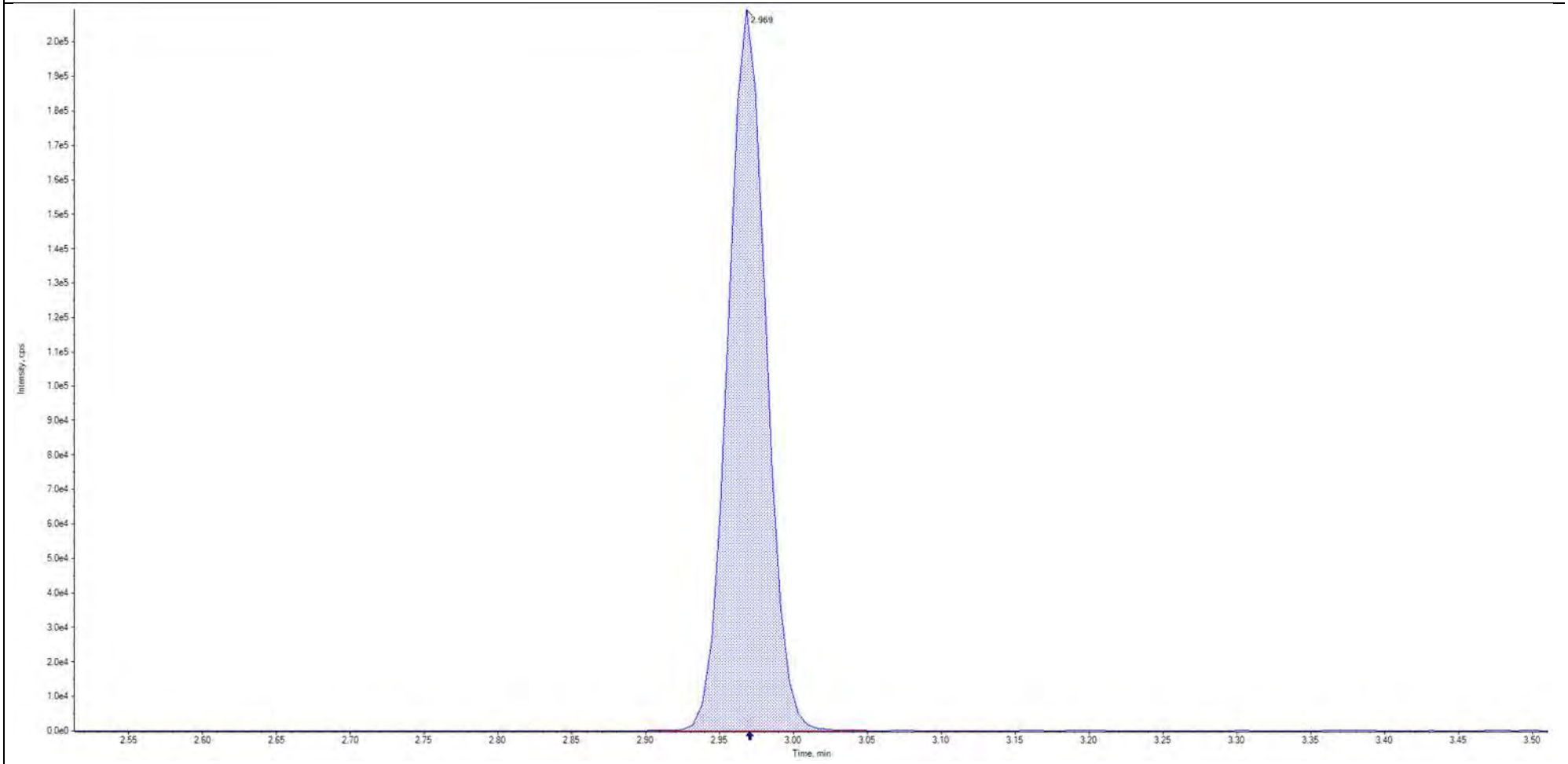
13C2-PFTeDA
Sample: WG1996415-3,INSTBLNK



13C3-PFBS
Sample: WG1996415-3,INSTBLNK



13C3-PFHxS
Sample: WG1996415-3,INSTBLNK



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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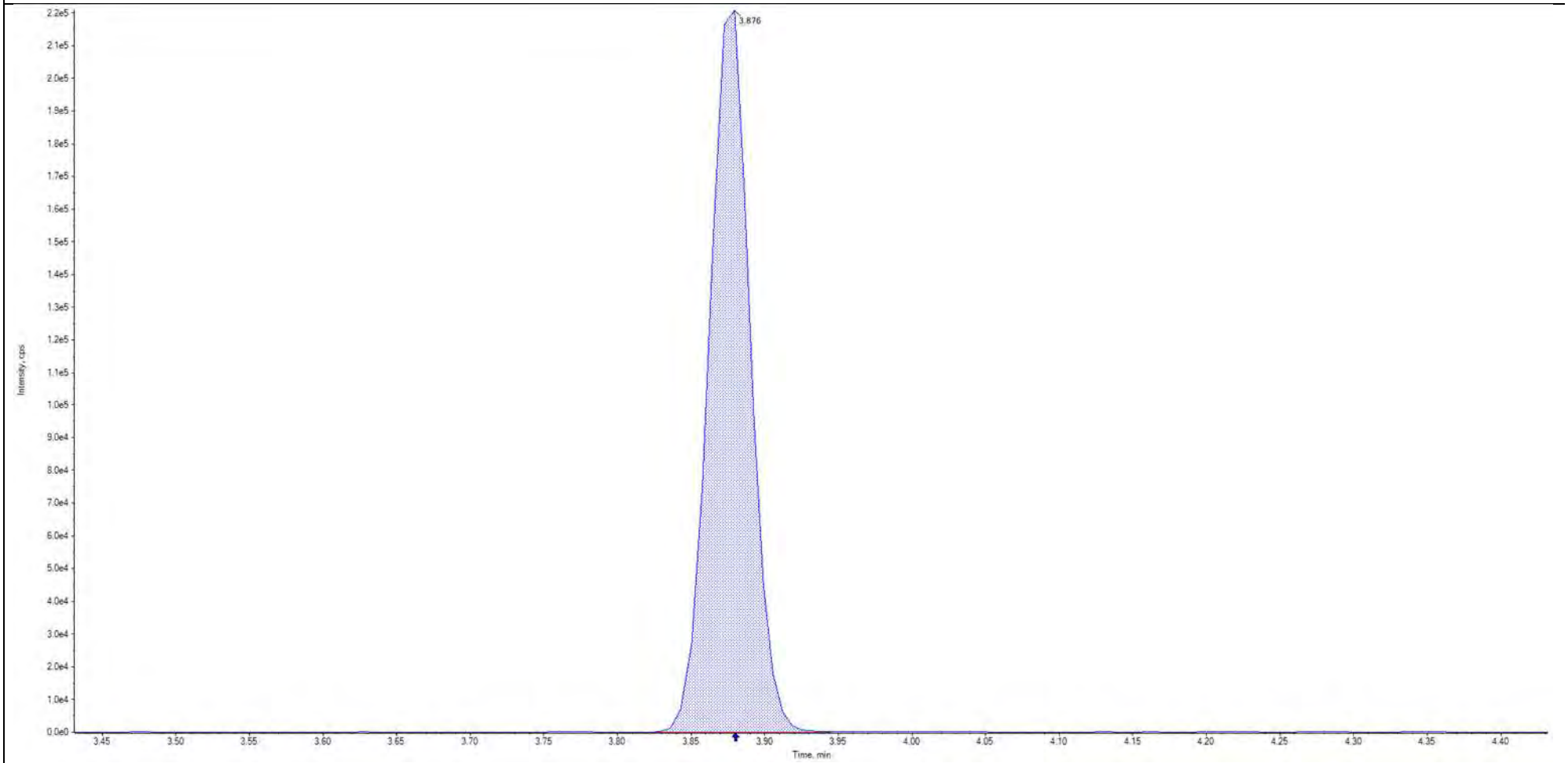
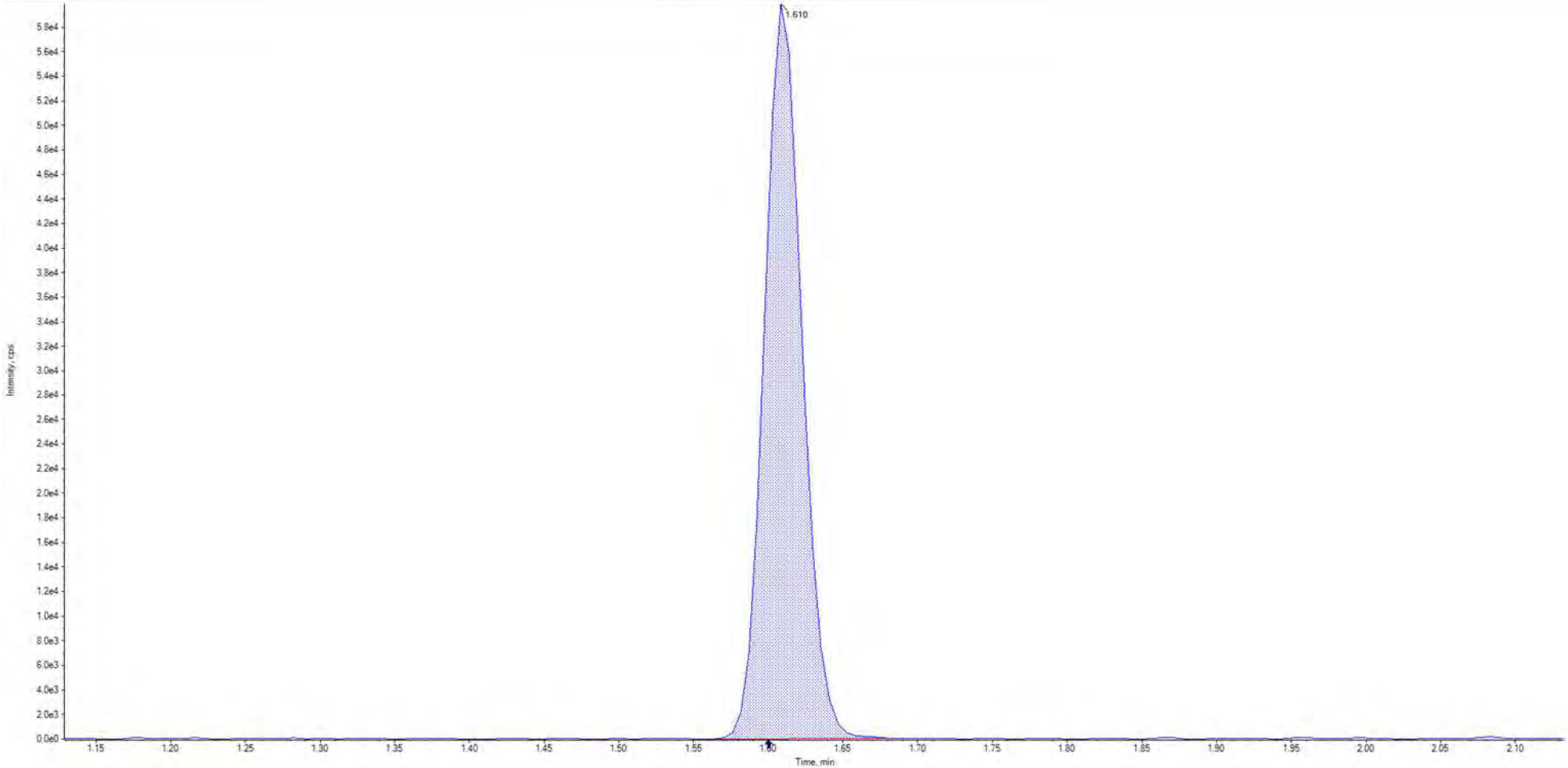
Generated: 11/12/2024 3:31:45 PM

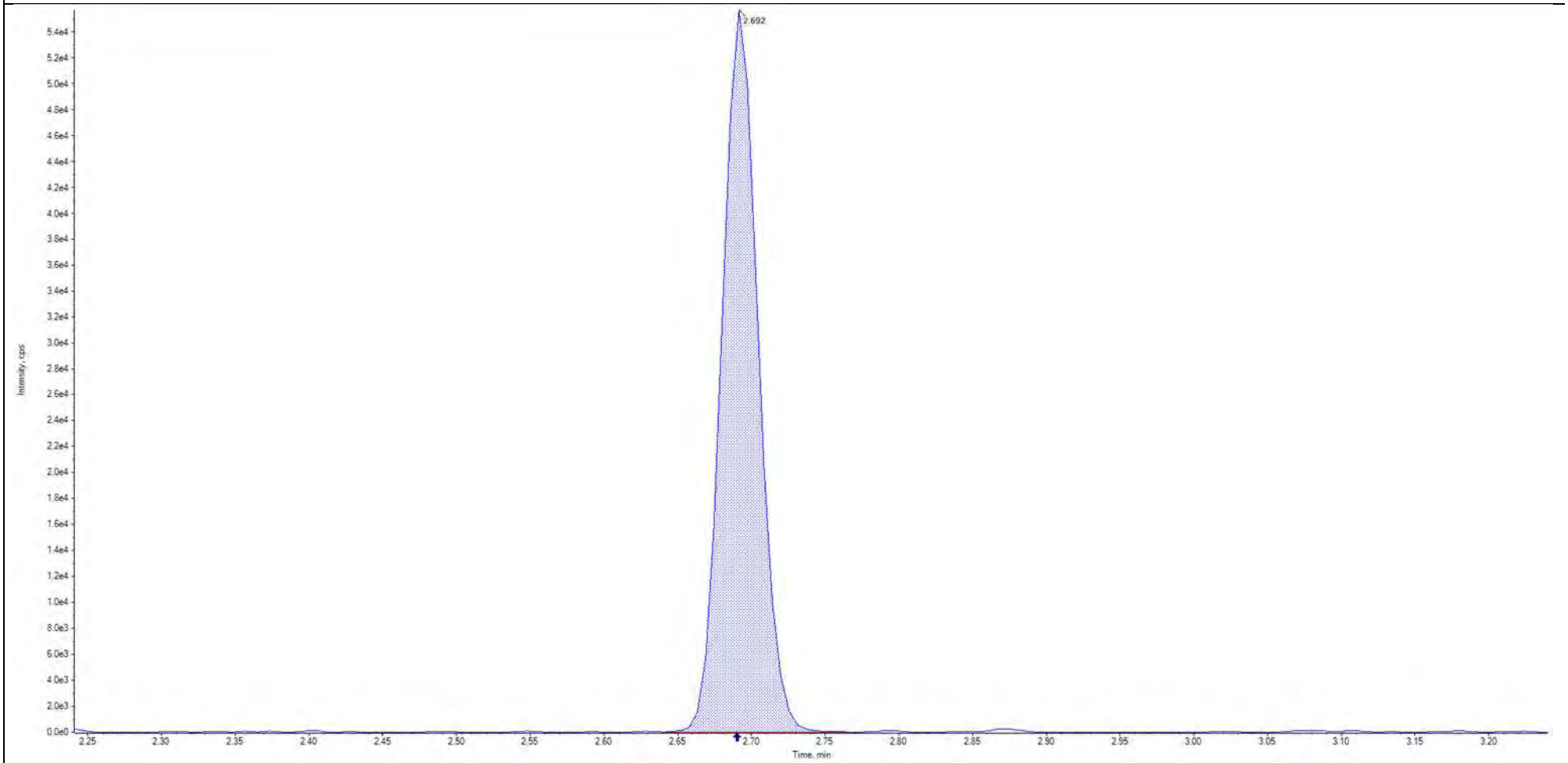
13C8-PFOS
Sample: WG1996415-3,INSTBLNK



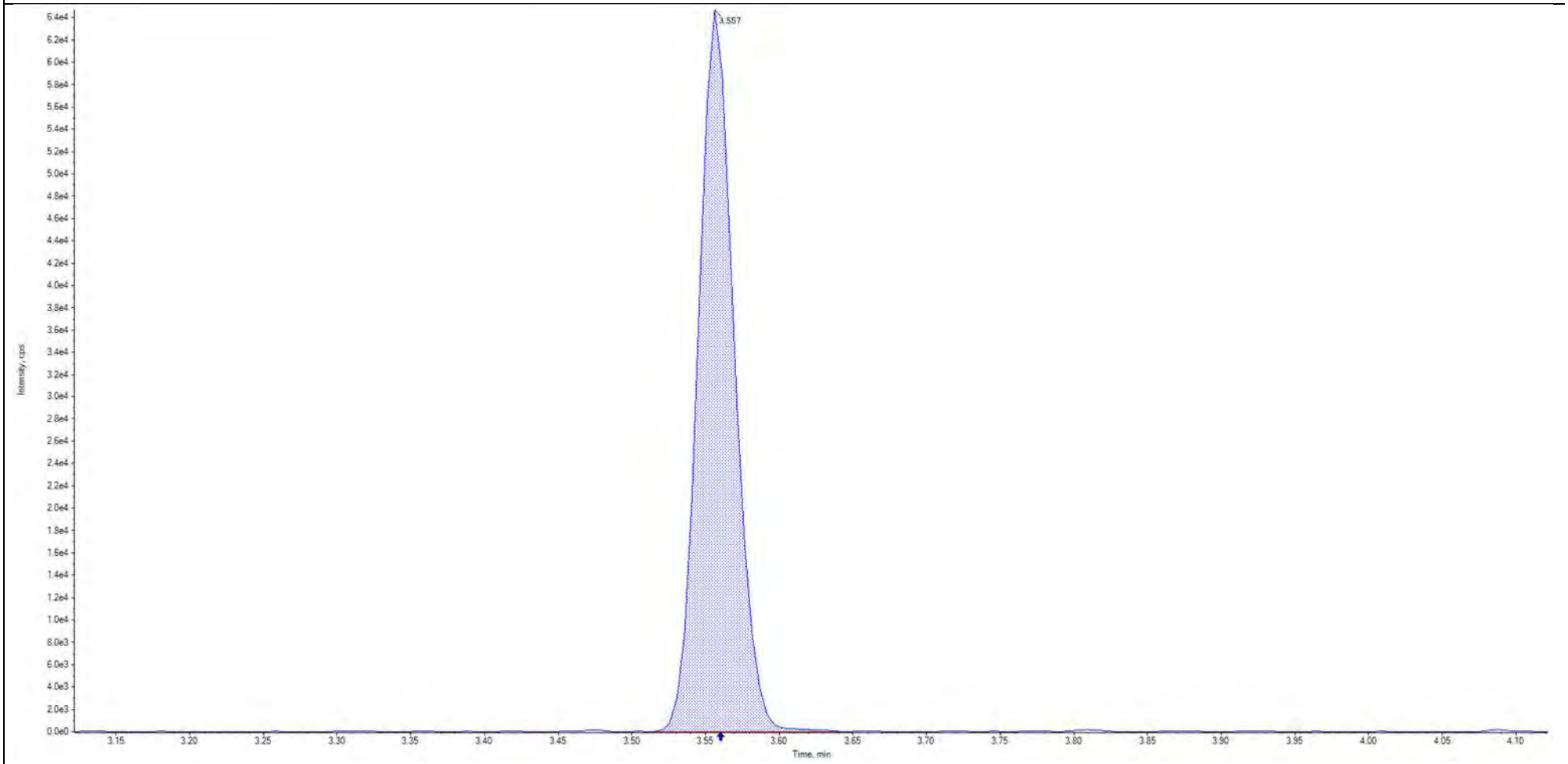
13C2-4:2FTS
Sample: WG1996415-3,INSTBLNK



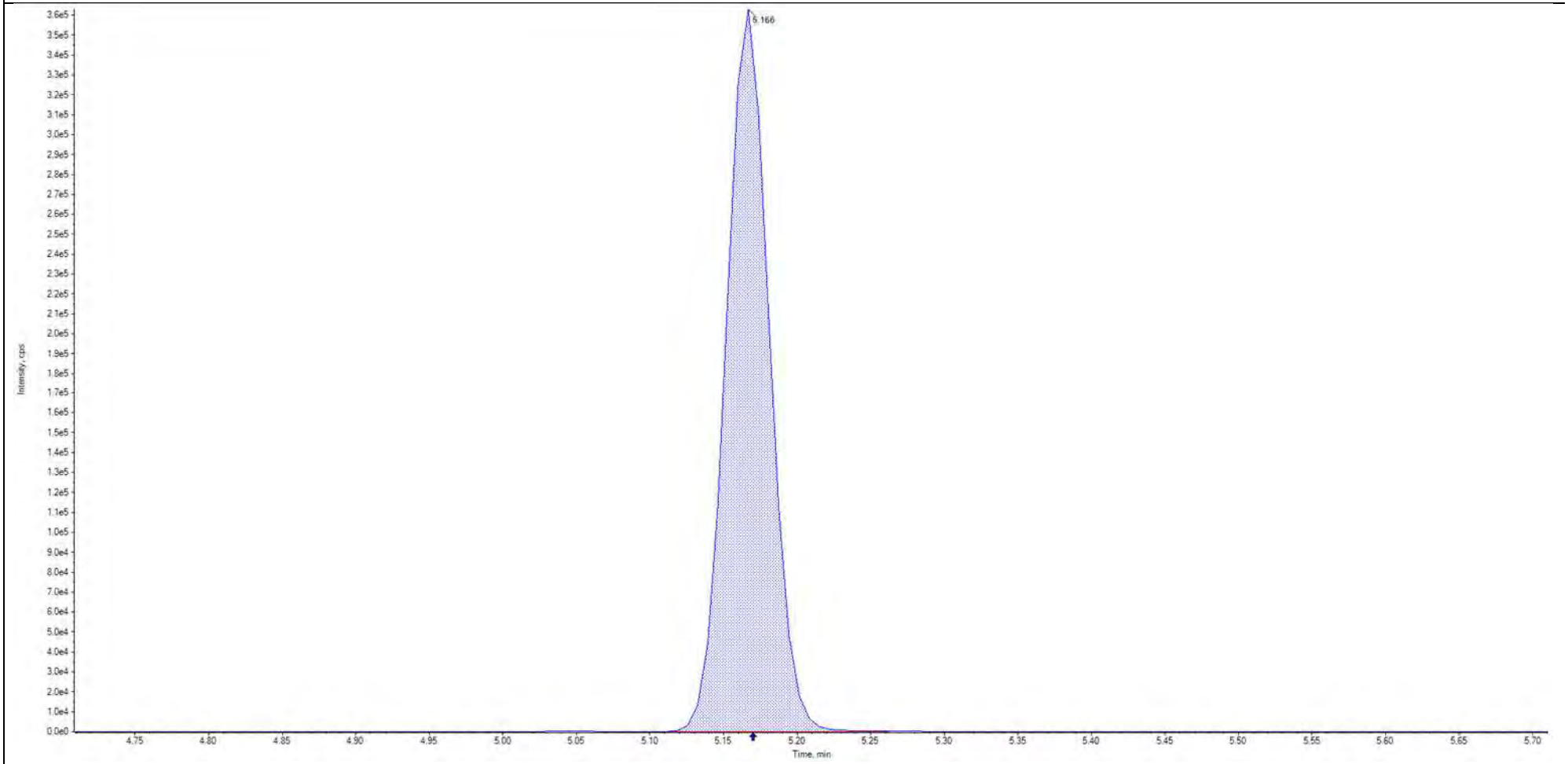
13C2-6:2FTS
Sample: WG1996415-3,INSTBLNK



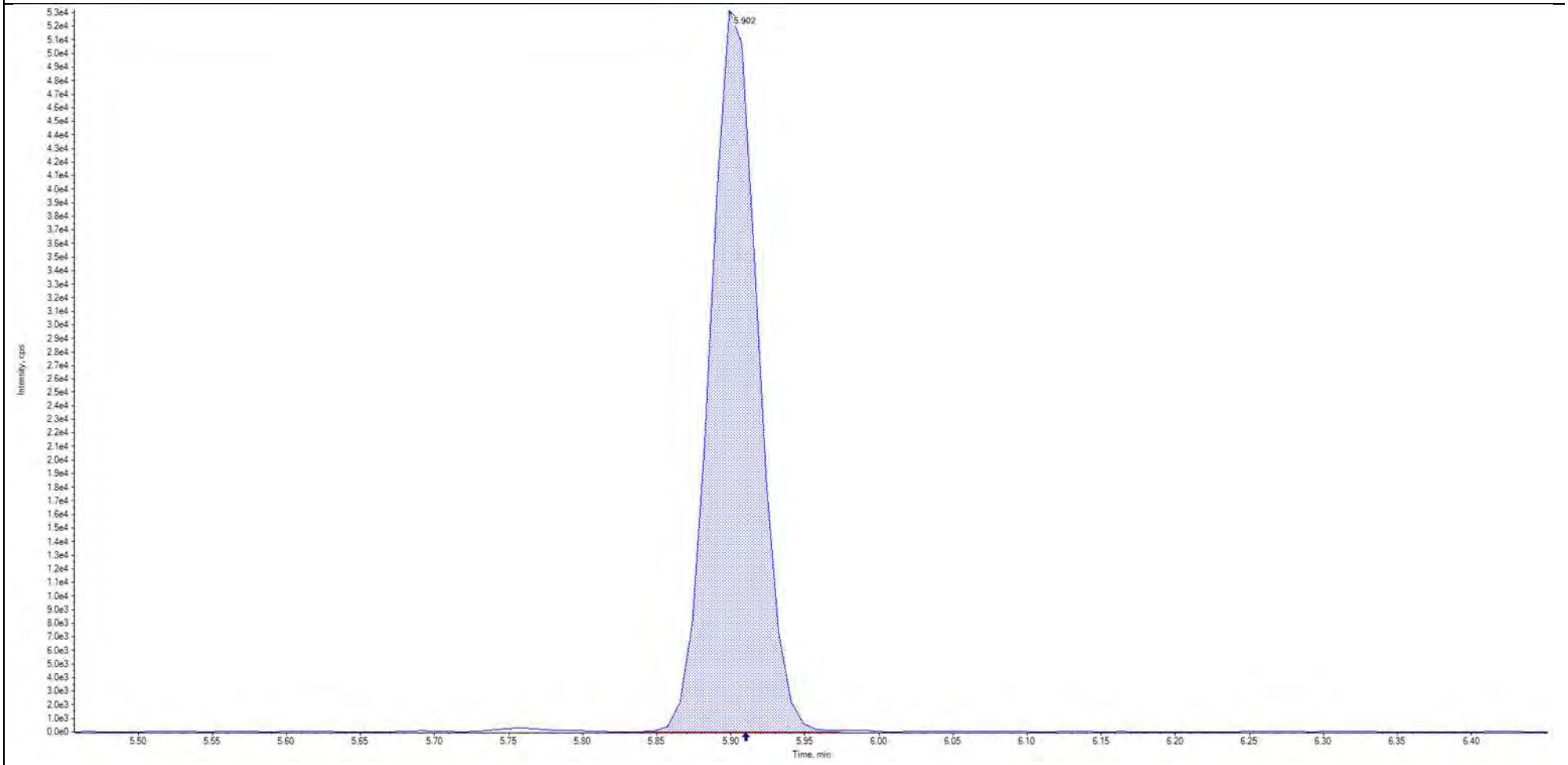
13C2-8:2FTS
Sample: WG1996415-3,INSTBLNK



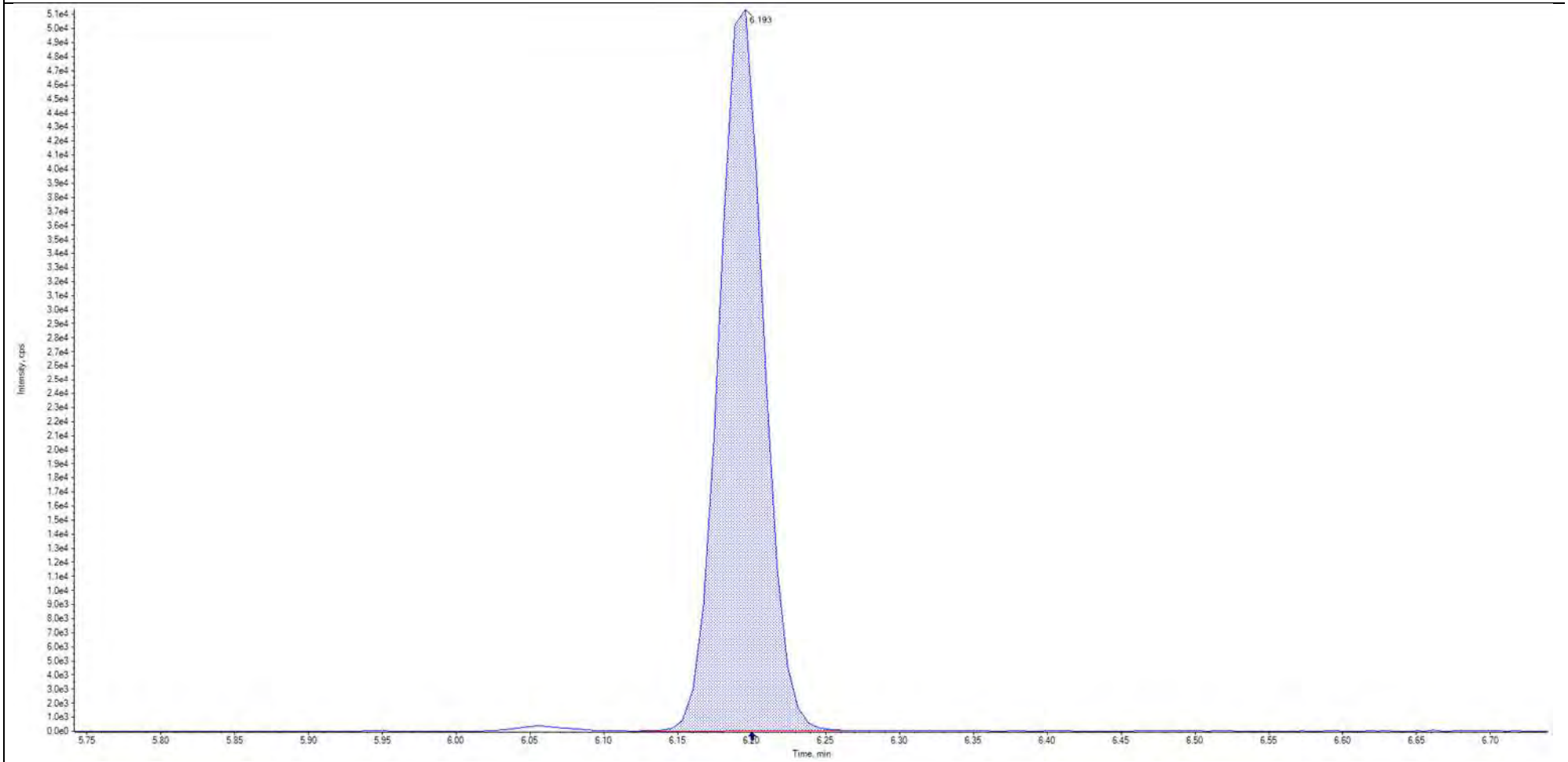
13C8-PFOSA
Sample: WG1996415-3,INSTBLNK



d3-NMeFOSA
Sample: WG1996415-3,INSTBLNK



d5-NEtFOSA
Sample: WG1996415-3,INSTBLNK



d3-NMeFOSAA
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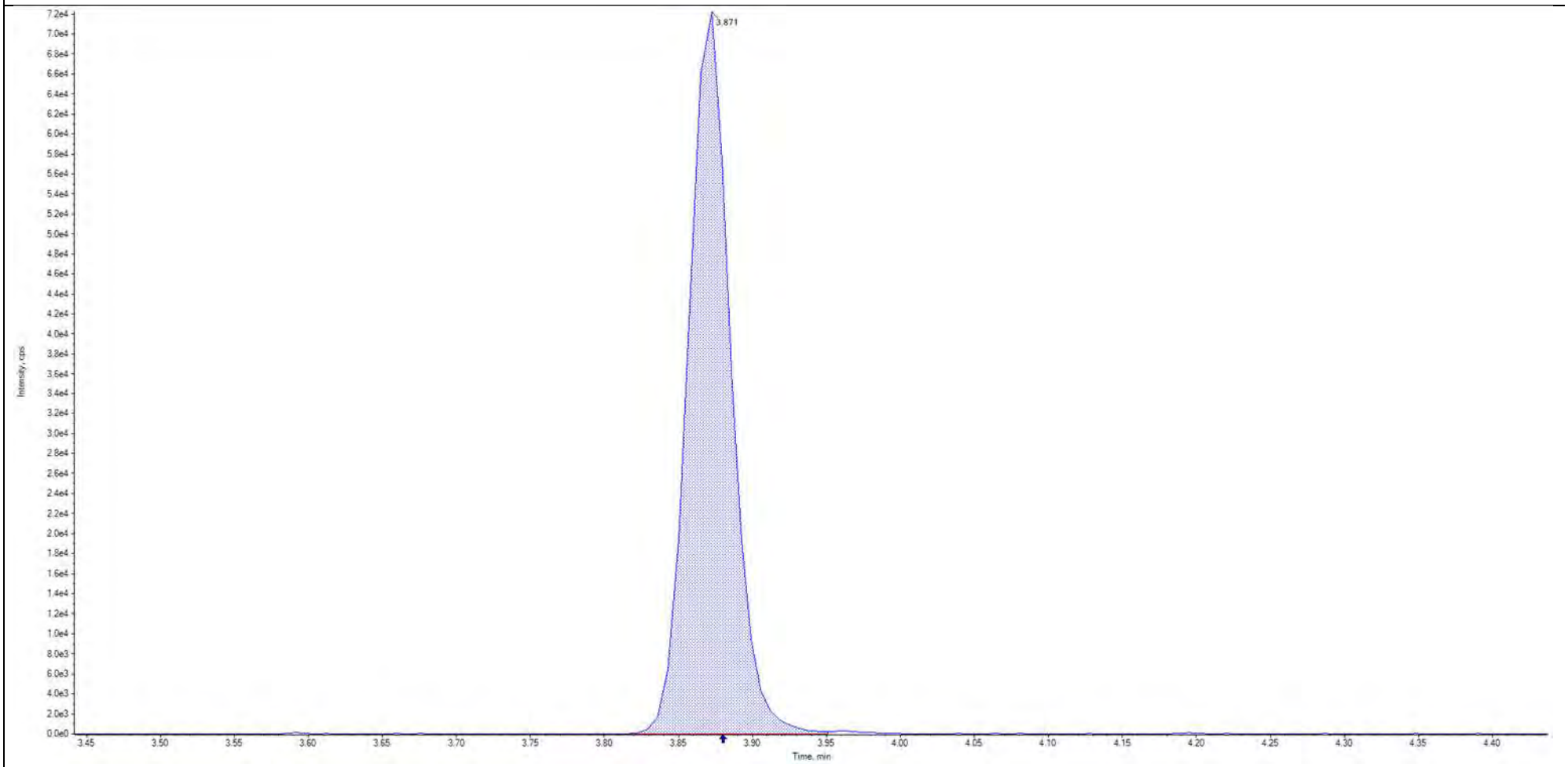

d5-NEtFOSAA
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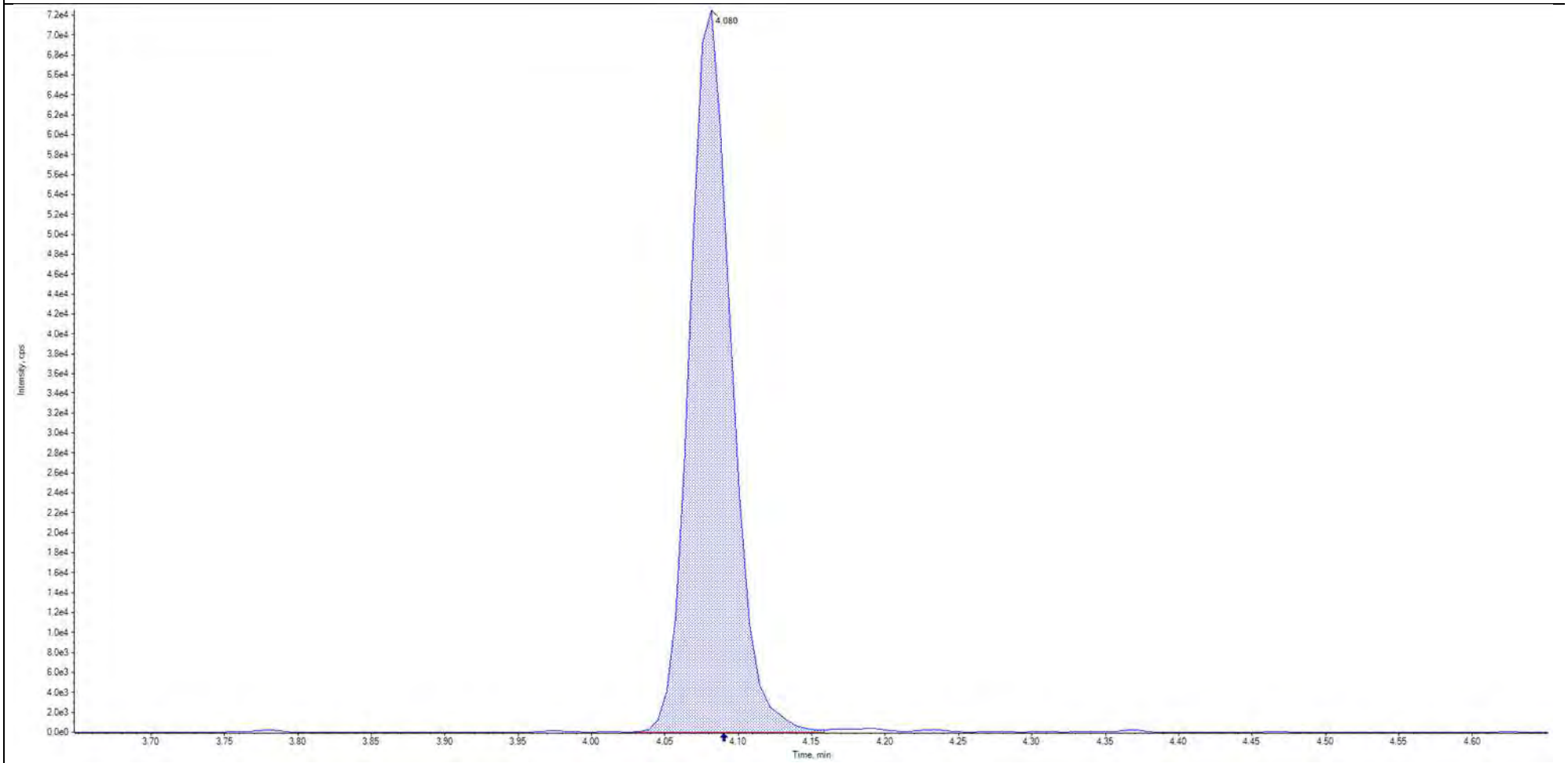

d7-NMeFOSE
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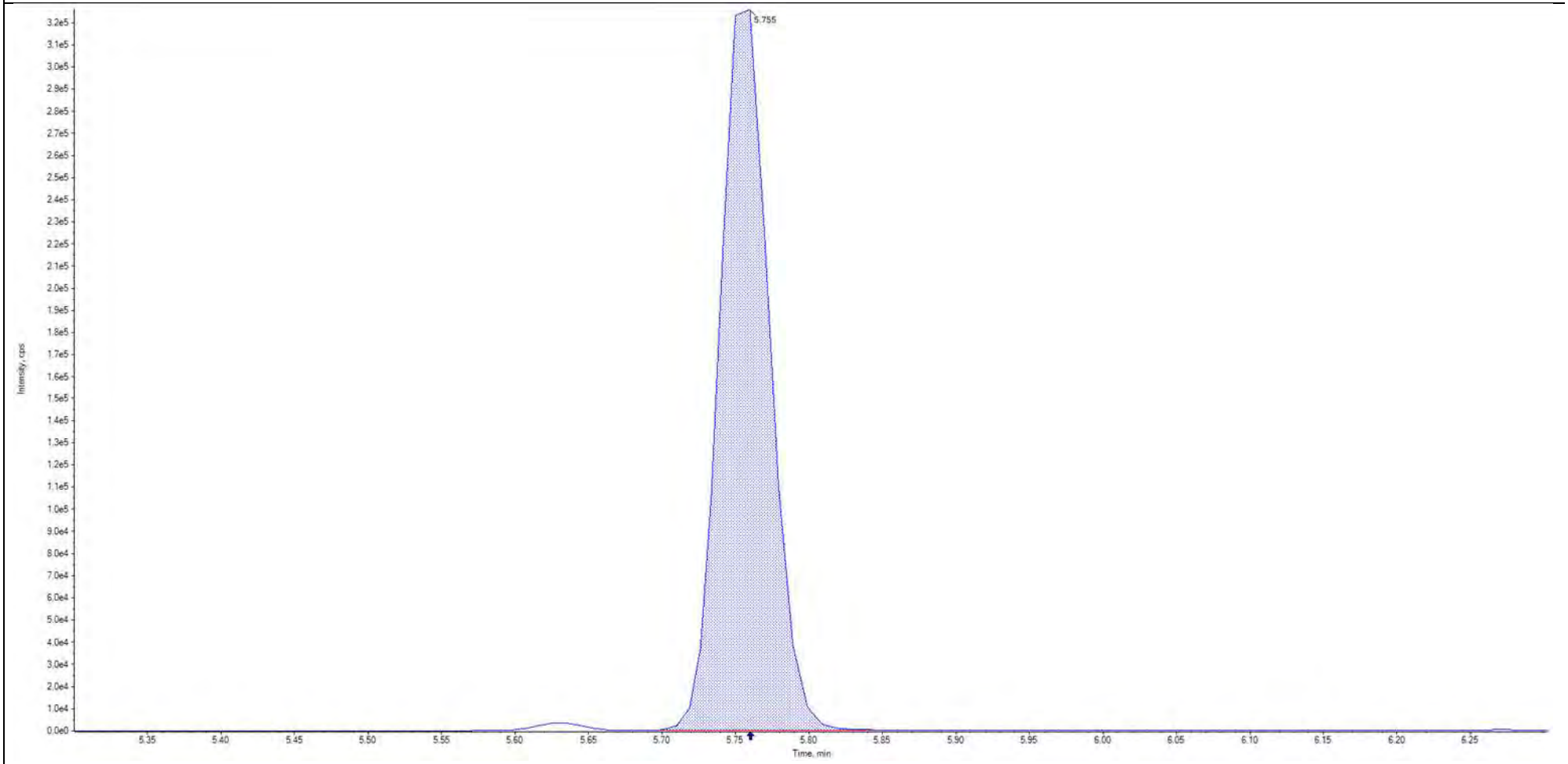
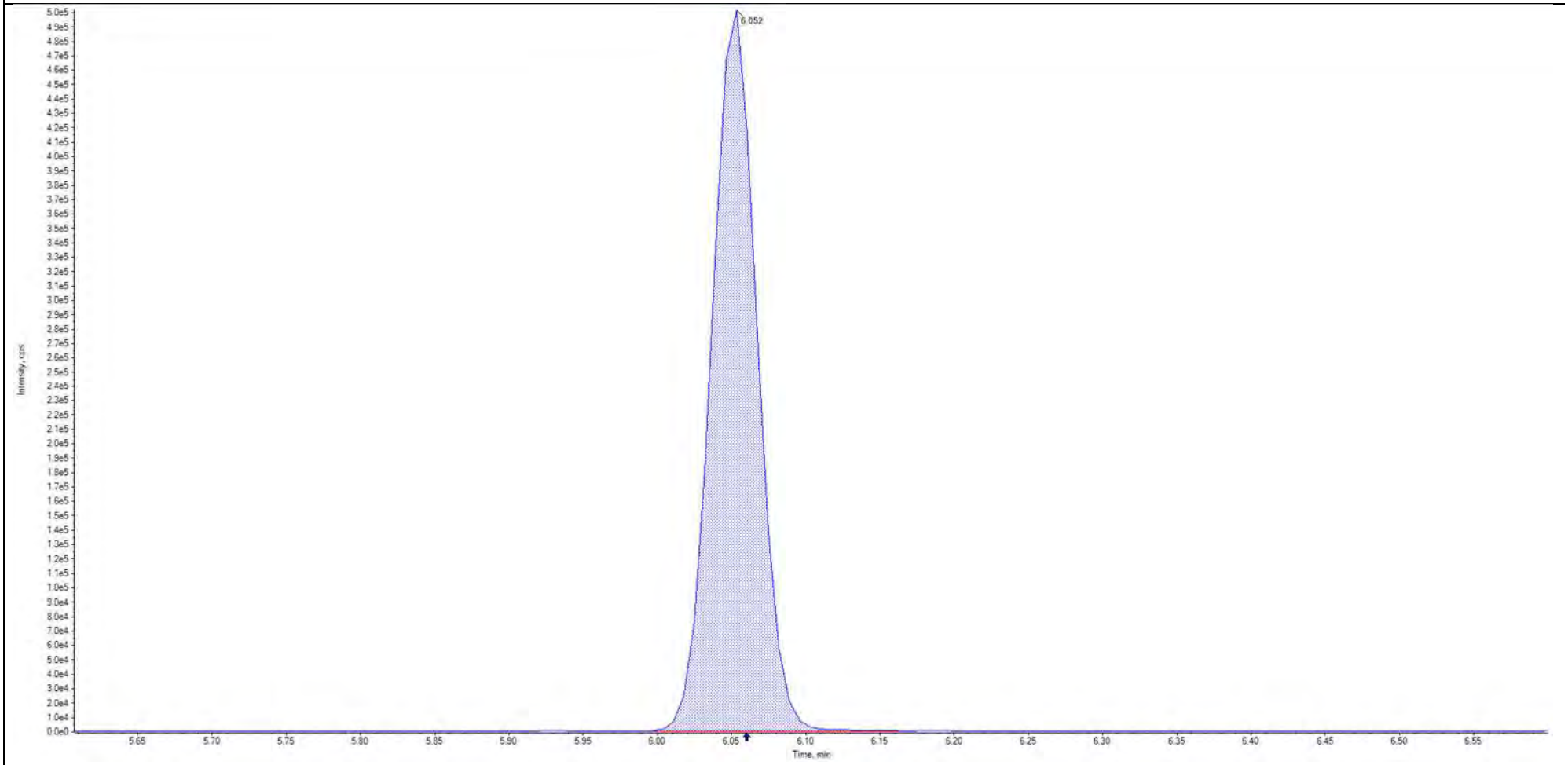
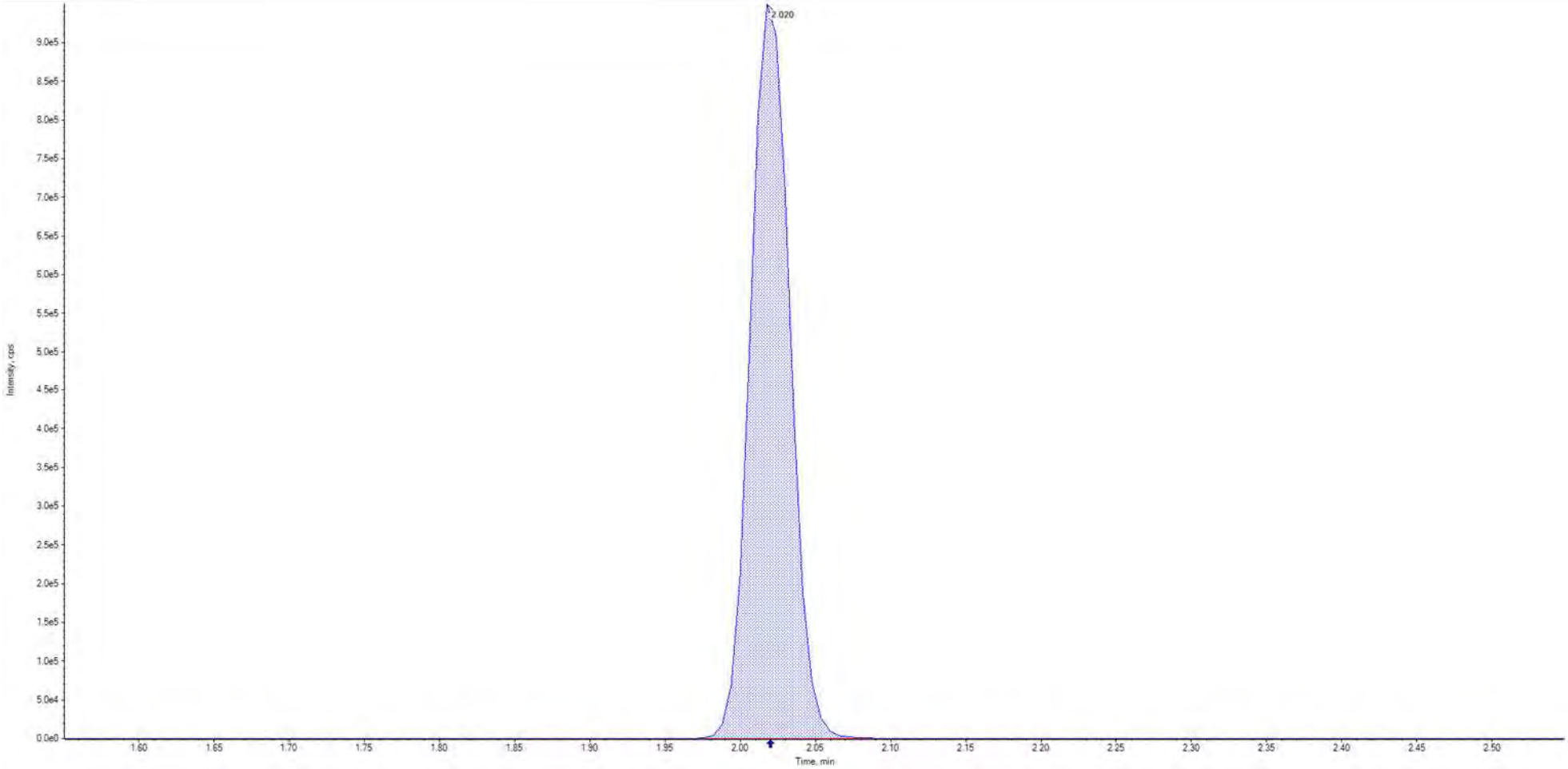


d9-NEtFOSE
Sample: WG1996415-3,INSTBLNK



13C3-HFPO-DA
Sample: WG1996415-3,INSTBLNK



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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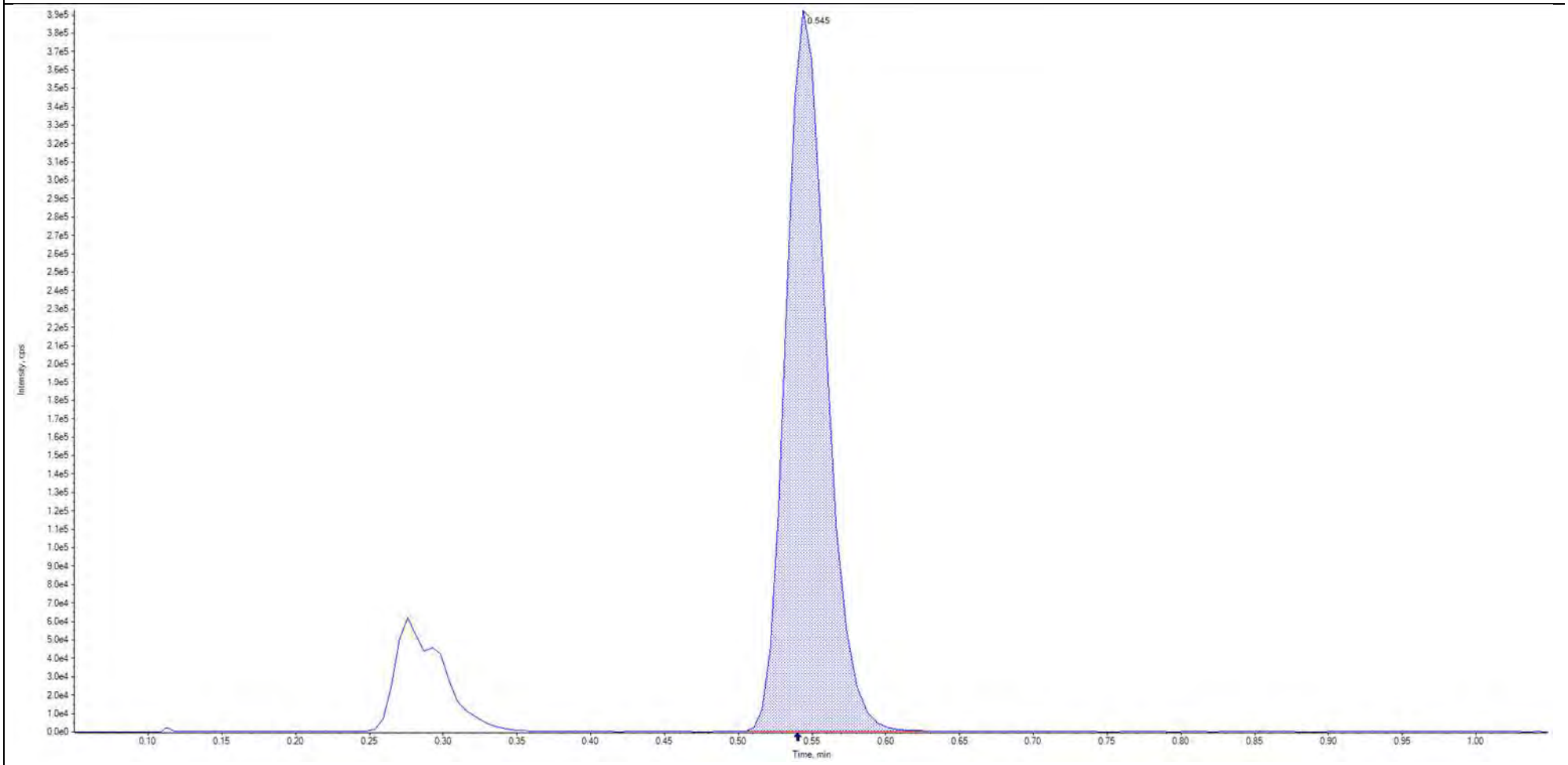
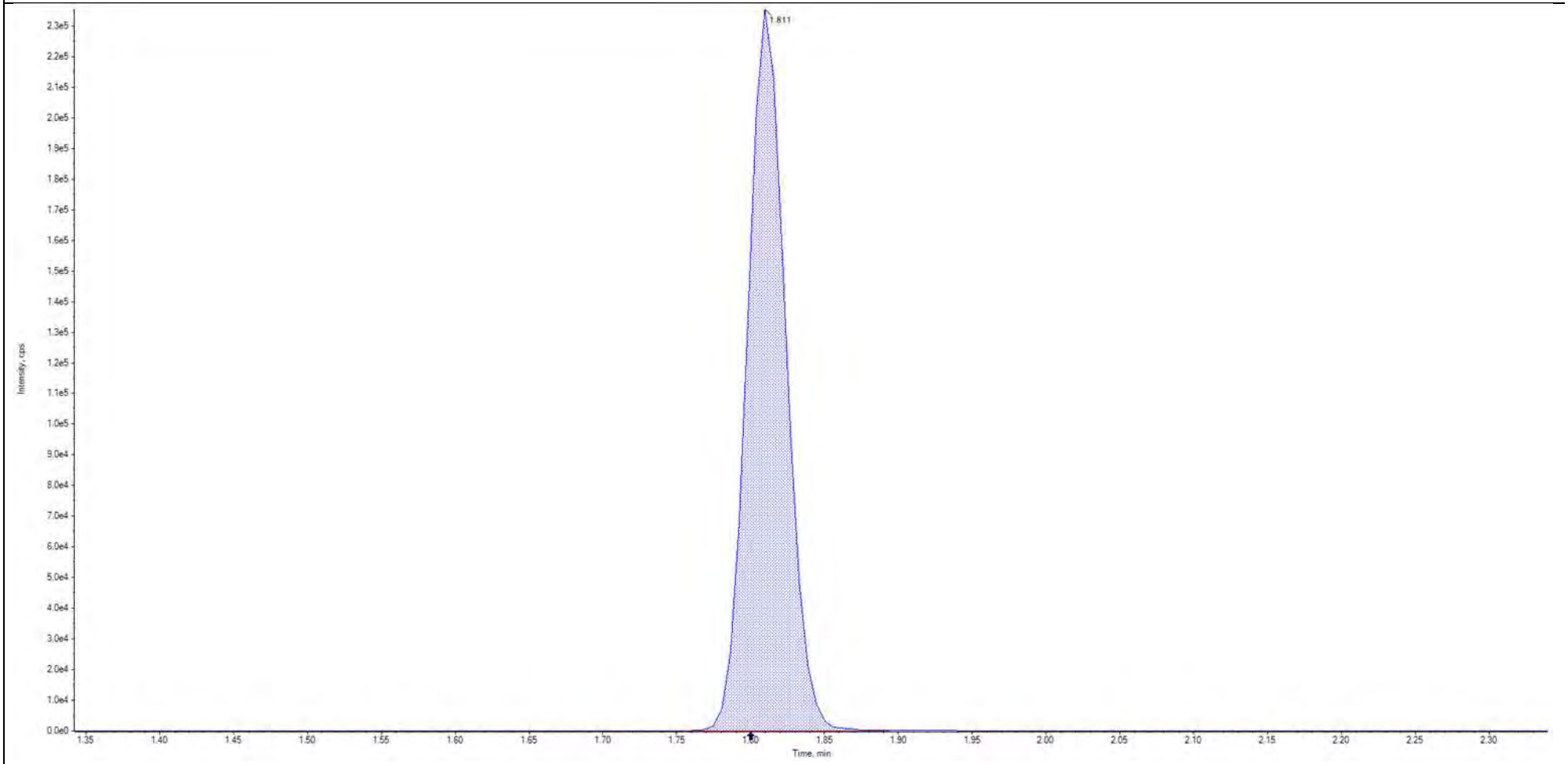
13C3-PFBA
Sample: WG1996415-3,INSTBLNK



13C2-PFHxA
Sample: WG1996415-3,INSTBLNK



13C4-PFOA
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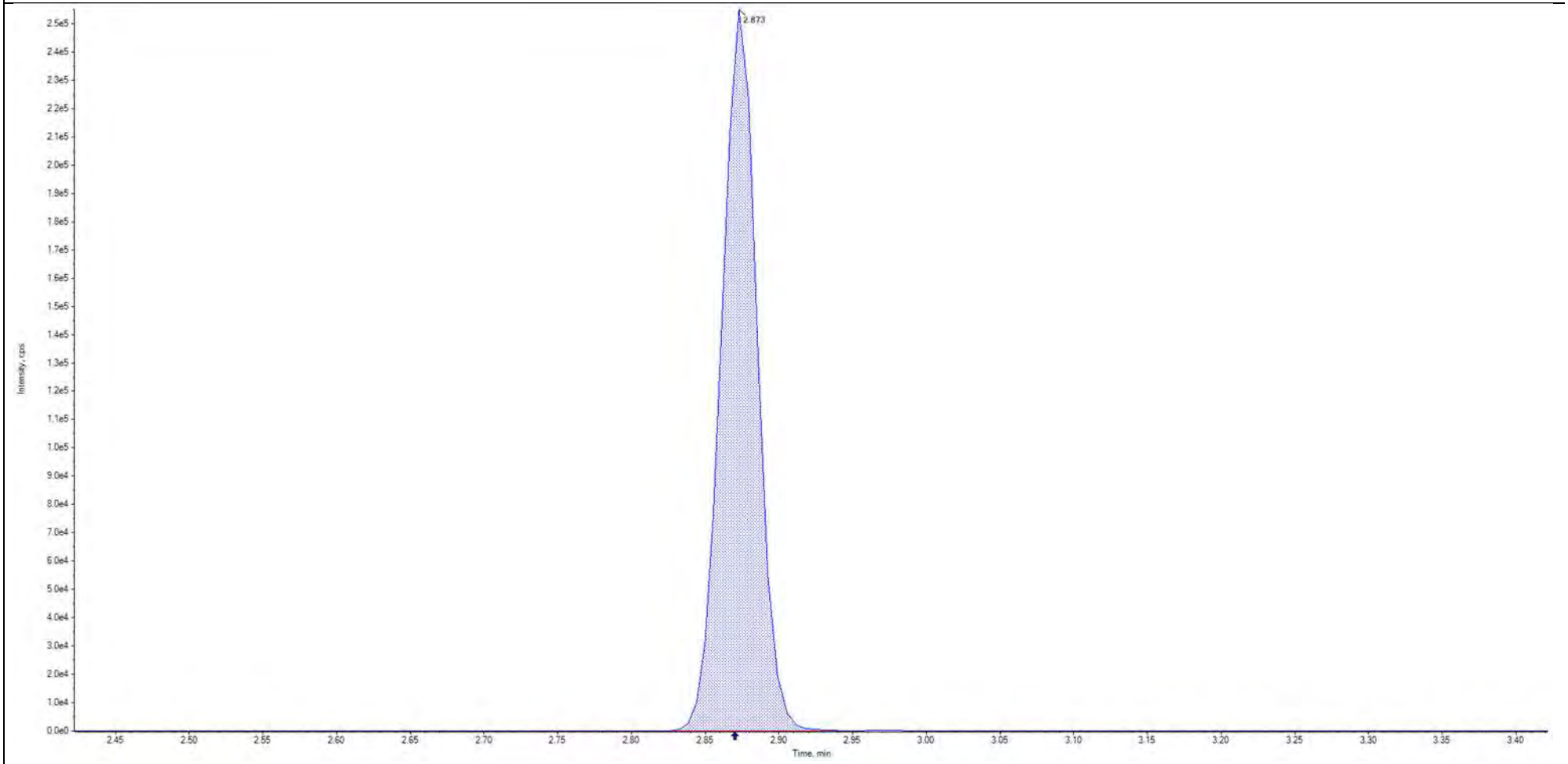

13C5-PFNA
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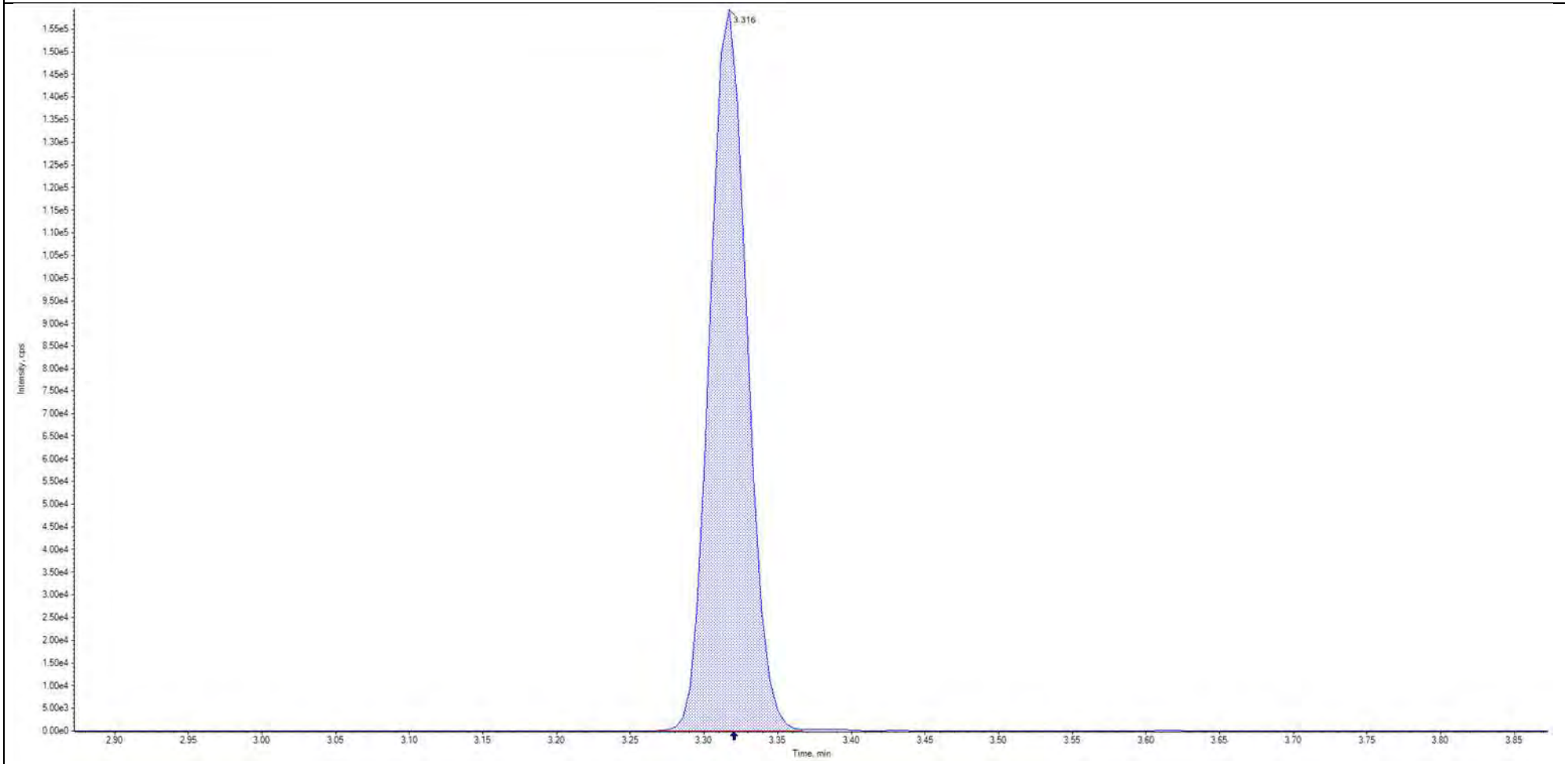

13C2-PFDA
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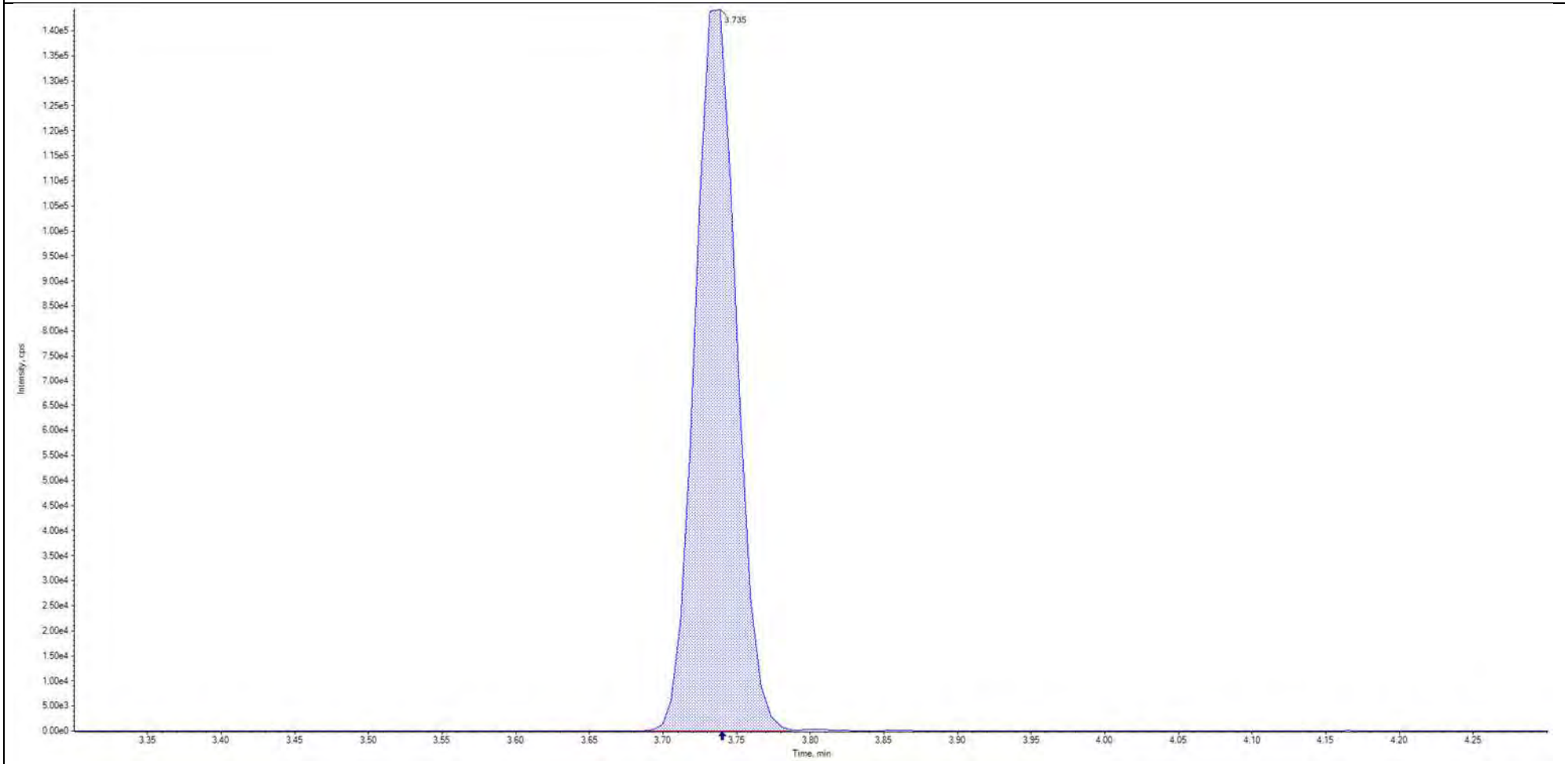
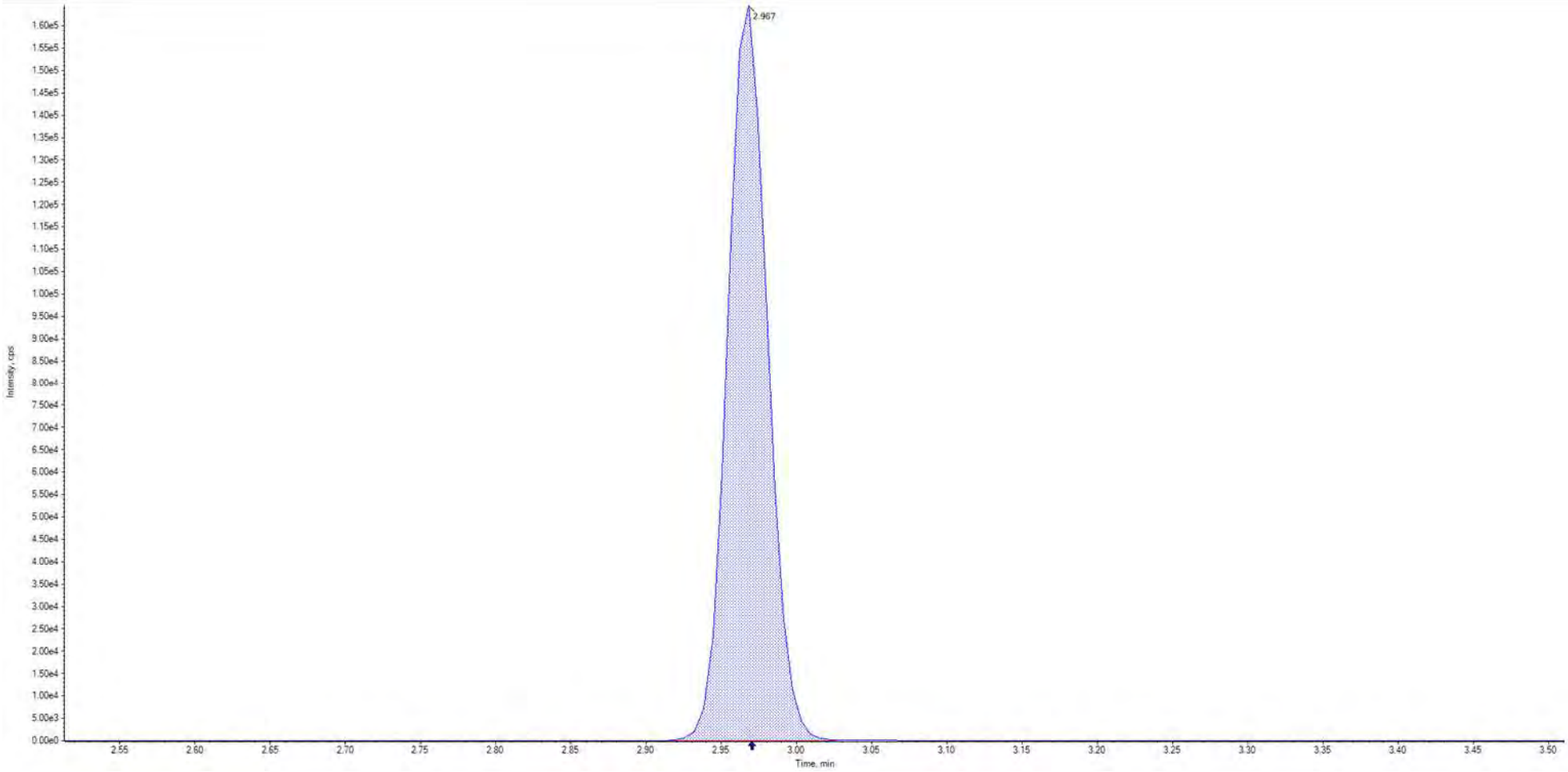
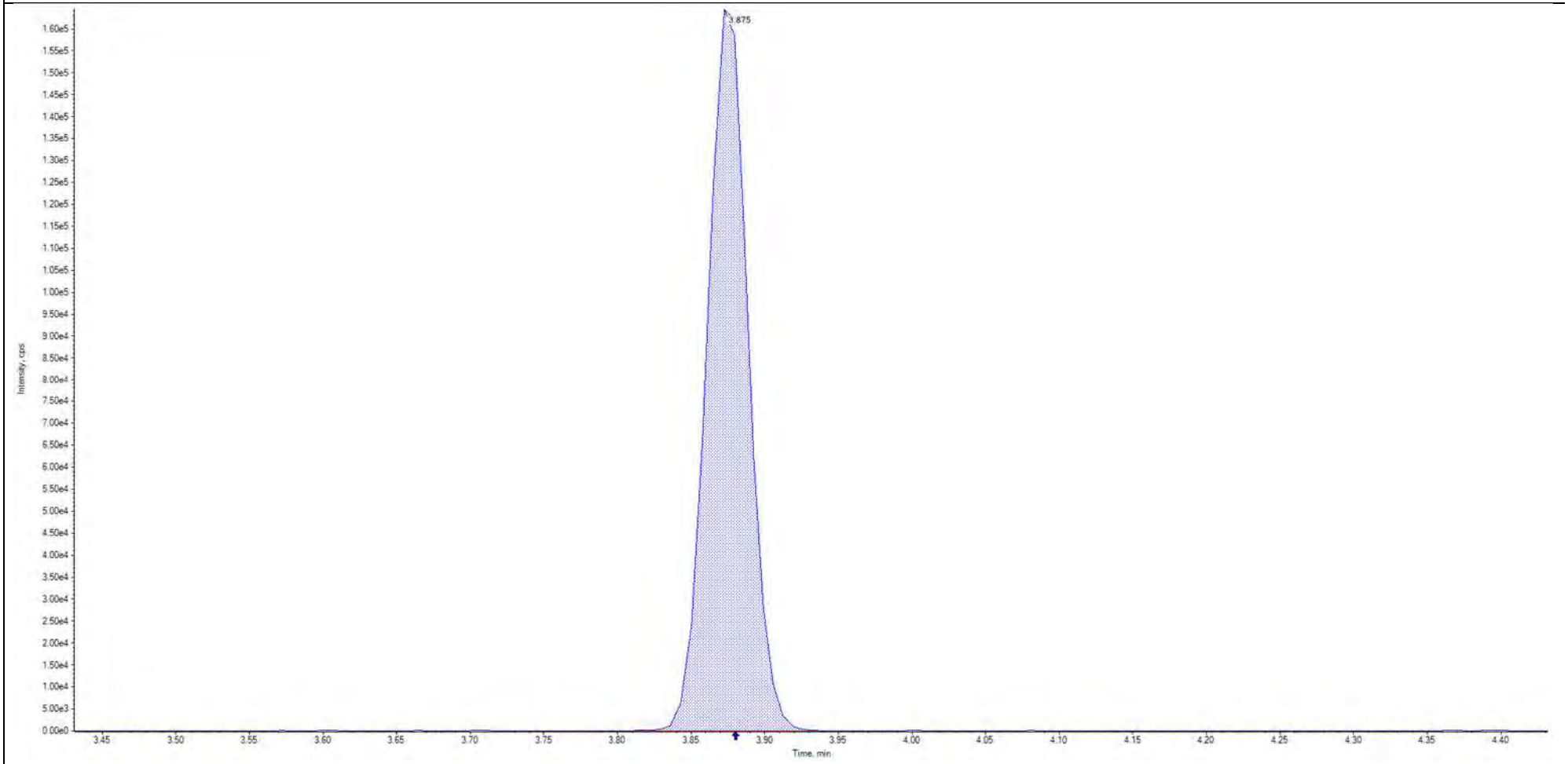


18O2-PFHxS
Sample: WG1996415-3,INSTBLNK



13C4-PFOS
Sample: WG1996415-3,INSTBLNK



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Generated: 11/12/2024 3:31:45 PM

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_27.wiff2_4
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Method: EPA1633F.qmethod
Calibration: 241112_1633_ICAL

ID: CA1633STD-10
Name: SCI09_241112_27.wiff2
Date & Time: 2024-11-12T15:25:34
Description: WG1996415
Instrument: SCIEX Triple Quad 5500+
User: LCMS09:PNB

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.56	213.0 / 169.0	1357742		9.611	N/A	N/A	N/A	96.1
2	PFPeA	2706-90-3	1.08	263.0 / 219.0	1205213		10.167	0.007	N/A	N/A	101.7
3	PFPeA_2	2706-90-3	1.09	263.0 / 68.9	8273		8.007	0.007	N/A	N/A	80.1
4	PFHxA	307-24-4	1.82	313.0 / 269.0	1646260		10.174	0.082	0.089	Pass	101.7
5	PFHxA_2	307-24-4	1.82	313.0 / 119.0	134693		9.164	0.082	0.089	Pass	91.6
6	PFHpA	375-85-9	2.40	363.1 / 319.0	1687684		8.804	0.366	0.384	Pass	88.0
7	PFHpA_2	375-85-9	2.40	363.1 / 169.0	617290		8.277	0.366	0.384	Pass	82.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	2.89	413.1 / 369.1	1897627	M5	10.061	0.344	0.410	Pass	100.6
9	PFOA_2	335-67-1	2.89	413.1 / 169.0	652301		8.454	0.344	0.410	Pass	84.5
10	PFNA	375-95-1	3.33	462.8 / 418.9	2211889		12.250	0.263	0.341	Pass	122.5
11	PFNA_2	375-95-1	3.33	462.8 / 219.0	582087		9.350	0.263	0.341	Pass	93.5
12	PFDA	335-76-2	3.75	513.1 / 469.1	1956696		9.961	0.170	0.215	Pass	99.6
13	PFDA_2	335-76-2	3.75	513.1 / 219.0	331833		8.975	0.170	0.215	Pass	89.8
14	PFUnA	2058-94-8	4.15	563.1 / 519.1	2037491		9.326	0.146	0.151	Pass	93.3
15	PFUnA_2	2058-94-8	4.15	563.1 / 269.0	297249		9.141	0.146	0.151	Pass	91.4
16	PFDoA	307-55-1	4.54	613.1 / 569.1	2051202		8.955	0.146	0.140	Pass	89.6
17	PFDoA_2	307-55-1	4.54	613.1 / 319.0	300482		9.336	0.146	0.140	Pass	93.4
18	PFTrDA	72629-94-8	4.92	663.1 / 619.1	1987639		9.531	0.153	0.159	Pass	95.3
19	PFTrDA_2	72629-94-8	4.92	663.1 / 169.0	304878		9.448	0.153	0.159	Pass	94.5
20	PFTeDA	376-06-7	5.28	713.1 / 669.1	1971432		10.335	0.157	0.159	Pass	103.4
21	PFTeDA_2	376-06-7	5.28	713.1 / 169.0	309861		10.163	0.157	0.159	Pass	101.6
22	PFBS	375-73-5	1.82	299.1 / 80.1	1620390		10.713	0.374	0.398	Pass	107.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	1.82	299.1 / 99.1	606438		11.508	0.374	0.398	Pass	115.1
24	PFPeS	2706-91-4	2.45	349.1 / 80.1	1591607		10.743	0.312	0.285	Pass	107.4
25	PFPeS_2	2706-91-4	2.45	349.1 / 99.1	496409		10.703	0.312	0.285	Pass	107.0
26	PFHxS	355-46-4	2.98	399.1 / 80.1	1488909	M5	10.464	0.297	0.293	Pass	104.6
27	PFHxS_2	355-46-4	2.98	399.1 / 99.1	441669	M5	10.798	0.297	0.293	Pass	108.0
28	PFHpS	375-92-8	3.45	449.1 / 80.1	1397532		9.812	0.291	0.308	Pass	98.1
29	PFHpS_2	375-92-8	3.45	449.1 / 99.1	406914		9.783	0.291	0.308	Pass	97.8
30	PFOS	1763-23-1	3.89	499.1 / 80.1	1513821	M5	9.161	0.241	0.241	Pass	91.6
31	PFOS_2	1763-23-1	3.89	499.1 / 99.1	364308	M5	9.099	0.241	0.241	Pass	91.0
32	PFNS	68259-12-1	4.30	549.1 / 80.1	1251825		10.527	0.290	0.299	Pass	105.3
33	PFNS_2	68259-12-1	4.30	549.1 / 99.1	362641		10.463	0.290	0.299	Pass	104.6
34	PFDS	335-77-3	4.69	599.1 / 80.1	1307347		10.341	0.288	0.274	Pass	103.4
35	PFDS_2	335-77-3	4.69	599.1 / 99.1	376804		10.433	0.288	0.274	Pass	104.3
36	PFDoS	79780-39-5	5.43	699.2 / 80.1	1086993		9.880	0.253	0.247	Pass	98.8
37	PFDoS_2	79780-39-5	5.43	699.2 / 99.1	275433		9.762	0.253	0.247	Pass	97.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	1.62	327.1 / 307.1	330484		10.899	0.658	0.634	Pass	109.0
39	4:2FTS_2	757124-72-4	1.62	327.1 / 81.1	217514		11.350	0.658	0.634	Pass	113.5
40	6:2FTS	27619-97-2	2.71	427.2 / 407.2	324949		11.720	0.573	0.609	Pass	117.2
41	6:2FTS_2	27619-97-2	2.71	427.2 / 81.1	186038		10.801	0.573	0.609	Pass	108.0
42	8:2FTS	39108-34-4	3.57	527.2 / 507.2	290231		11.177	0.674	0.681	Pass	111.8
43	8:2FTS_2	39108-34-4	3.57	527.2 / 81.1	195592		11.623	0.674	0.681	Pass	116.2
44	PFOSA	754-91-6	5.18	498.1 / 78.1	2039143	M5	10.254	0.024	0.024	Pass	102.5
45	PFOSA_2	754-91-6	5.18	498.1 / 478.0	49102	M5	10.004	0.024	0.024	Pass	100.0
46	NMeFOSA	31506-32-8	5.92	512.2 / 219.0	410099		8.855	1.127	1.421	Pass	88.6
47	NMeFOSA_2	31506-32-8	5.92	512.2 / 169.0	462380		6.938	1.127	1.421	Pass	69.4
48	NEtFOSA	4151-50-2	6.21	526.2 / 219.0	413885		9.961	1.079	1.258	Pass	99.6
49	NEtFOSA_2	4151-50-2	6.21	526.2 / 169.0	446626		8.317	1.079	1.258	Pass	83.2
50	NMeFOSAA	2355-31-9	3.89	570.2 / 419.1	237431	M5	11.600	0.701	0.683	Pass	116.0
51	NMeFOSAA_2	2355-31-9	3.89	570.2 / 483.0	166347	M5	11.604	0.701	0.683	Pass	116.0
52	NEtFOSAA	2991-50-6	4.10	584.2 / 419.1	254318	M5	10.076	0.561	0.571	Pass	100.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.10	584.2 / 526.2	142583	M5	9.724	0.561	0.571	Pass	97.2
54	NMeFOSE	24448-09-7	5.79	616.1 / 58.9	629109		10.811	N/A	N/A	N/A	108.1
55	NEtFOSE	1691-99-2	6.09	630.0 / 58.9	853352		10.589	N/A	N/A	N/A	105.9
56	HFPO-DA	13252-13-6	2.03	285.0 / 169.0	1489952		11.324	0.534	0.510	Pass	113.2
57	HFPO-DA_2	13252-13-6	2.03	285.0 / 184.9	795483		11.273	0.534	0.510	Pass	112.7
58	ADONA	919005-14-4	2.58	376.9 / 251.0	2251941		9.057	0.883	0.636	Pass	90.6
59	ADONA_2	919005-14-4	2.58	376.9 / 84.8	1988401		10.517	0.883	0.636	Pass	105.2
60	9Cl-PF3ONS	756426-58-1	4.18	530.8 / 351.1	3346779		11.248	0.308	0.326	Pass	112.5
61	9Cl-PF3ONS_2	756426-58-1	4.18	532.8 / 353.0	1031695		10.373	0.308	0.326	Pass	103.7
62	11Cl-PF3OUdS	763051-92-9	4.96	630.9 / 451.0	3004635		11.401	0.306	0.318	Pass	114.0
63	11Cl-PF3OUdS_2	763051-92-9	4.96	632.9 / 452.9	919497		10.895	0.306	0.318	Pass	109.0
64	3:3FTCA	356-02-5	1.44	241.1 / 177.1	95901		10.039	1.028	1.068	Pass	100.4
65	3:3FTCA_2	356-02-5	1.44	241.1 / 117.0	98617		9.631	1.028	1.068	Pass	96.3
66	5:3FTCA	914637-49-3	2.94	341.1 / 237.1	476284		11.223	0.993	1.045	Pass	112.2
67	5:3FTCA_2	914637-49-3	2.94	341.1 / 217.0	472931		10.900	0.993	1.045	Pass	109.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	3.97	441.1 / 316.9	425480		11.806	1.336	1.285	Pass	118.1
69	7:3FTCA_2	812-70-4	3.97	441.1 / 337.1	568618		12.165	1.336	1.285	Pass	121.7
70	PFEESA	113507-82-7	2.12	315.1 / 135.0	4231040		9.088	0.080	0.081	Pass	90.9
71	PFEESA_2	113507-82-7	2.12	315.1 / 82.9	338650		8.962	0.080	0.081	Pass	89.6
72	PFMPA	377-73-1	0.70	229.0 / 85.0	1338077		9.125	N/A	N/A	N/A	91.3
73	PFMBA	863090-89-5	1.35	279.0 / 85.0	1495799		9.922	N/A	N/A	N/A	99.2
74	NFDHA	151772-58-6	1.75	295.0 / 201.0	1062746		10.865	0.688	0.681	Pass	108.7
75	NFDHA_2	151772-58-6	1.75	295.0 / 84.9	731226		10.380	0.688	0.681	Pass	103.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.56	217.0 / 172.0	1656984		10.009	NA	NA	NA	100.1
	13C5-PFPeA	EIS	1.08	268.0 / 223.0	676478		4.834	NA	NA	NA	96.7
	13C5-PFHxA	EIS	1.82	318.0 / 273.0	352857		2.390	NA	NA	NA	95.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFHpA	EIS	2.39	367.0 / 322.0	314830		2.555	NA	NA	NA	102.2
	13C8-PFOA	EIS	2.88	420.8 / 376.0	583399		2.547	NA	NA	NA	101.9
	13C9-PFNA	EIS	3.33	472.0 / 427.0	254528		1.209	NA	NA	NA	96.7
	13C6-PFDA	EIS	3.75	519.0 / 474.0	289936		1.267	NA	NA	NA	101.4
	13C7-PFUnA	EIS	4.15	570.0 / 525.0	335692		1.322	NA	NA	NA	105.7
	13C2-PFDoA	EIS	4.54	615.1 / 570.0	326057		1.202	NA	NA	NA	96.1
	13C2-PFTeDA	EIS	5.28	715.1 / 670.1	241533		1.199	NA	NA	NA	95.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-PFBS	EIS	1.81	302.1 / 80.1	351950		2.202	NA	NA	NA	94.5
	13C3-PFHxS	EIS	2.98	402.1 / 80.1	327961		2.316	NA	NA	NA	97.7
	13C8-PFOS	EIS	3.89	507.1 / 80.1	375226		2.344	NA	NA	NA	97.7
	13C2-4:2FTS	EIS	1.62	329.1 / 81.1	90477		4.074	NA	NA	NA	86.9
	13C2-6:2FTS	EIS	2.70	429.2 / 81.1	84410		4.282	NA	NA	NA	90.0
	13C2-8:2FTS	EIS	3.57	529.2 / 81.1	99788		4.277	NA	NA	NA	89.1
	13C8-PFOSA	EIS	5.17	506.1 / 78.1	632651		2.327	NA	NA	NA	93.1
	d3-NMeFOSA	EIS	5.91	515.2 / 219.0	107313		2.411	NA	NA	NA	96.4

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
d5-NEtFOSA	EIS	6.20	531.2 / 219.0	93344		2.311	NA	NA	NA	92.4
d3-NMeFOSAA	EIS	3.88	573.2 / 419.1	129021		4.669	NA	NA	NA	93.4
d5-NEtFOSAA	EIS	4.09	589.3 / 419.1	133815		4.913	NA	NA	NA	98.3
d7-NMeFOSE	EIS	5.76	623.2 / 58.9	674827		23.406	NA	NA	NA	93.6
d9-NEtFOSE	EIS	6.06	639.2 / 58.9	934089		24.077	NA	NA	NA	96.3
13C3-HFPO-DA	EIS	2.03	287.0 / 169.0	1379935		9.569	NA	NA	NA	95.7
13C3-PFBA	NIS	0.56	216.0 / 172.0	721678		5.691	NA	NA	NA	113.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFHxA	NIS	1.82	315.0 / 270.0	409685		2.751	NA	NA	NA	110.0
	13C4-PFOA	NIS	2.88	417.0 / 372.0	365223		2.533	NA	NA	NA	101.3
	13C5-PFNA	NIS	3.33	468.0 / 423.0	262164		1.284	NA	NA	NA	102.7
	13C2-PFDA	NIS	3.75	515.1 / 470.1	271562		1.288	NA	NA	NA	103.0
	18O2-PFHxS	NIS	2.98	403.1 / 84.1	295676		2.534	NA	NA	NA	106.9
	13C4-PFOS	NIS	3.89	503.1 / 80.1	318871		2.541	NA	NA	NA	105.9

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Alpha Analytical LLC
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PFBA
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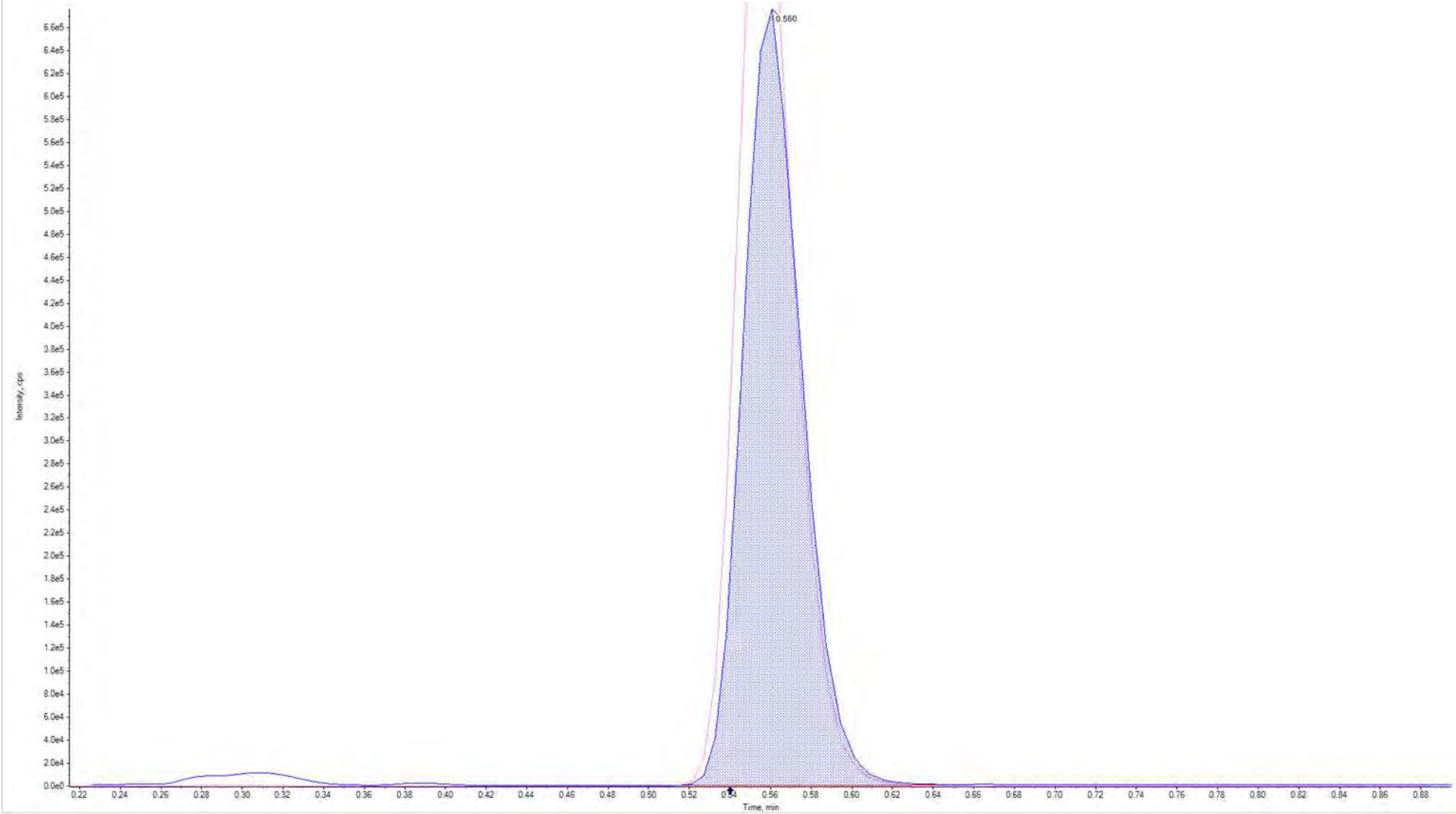

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PFPeA
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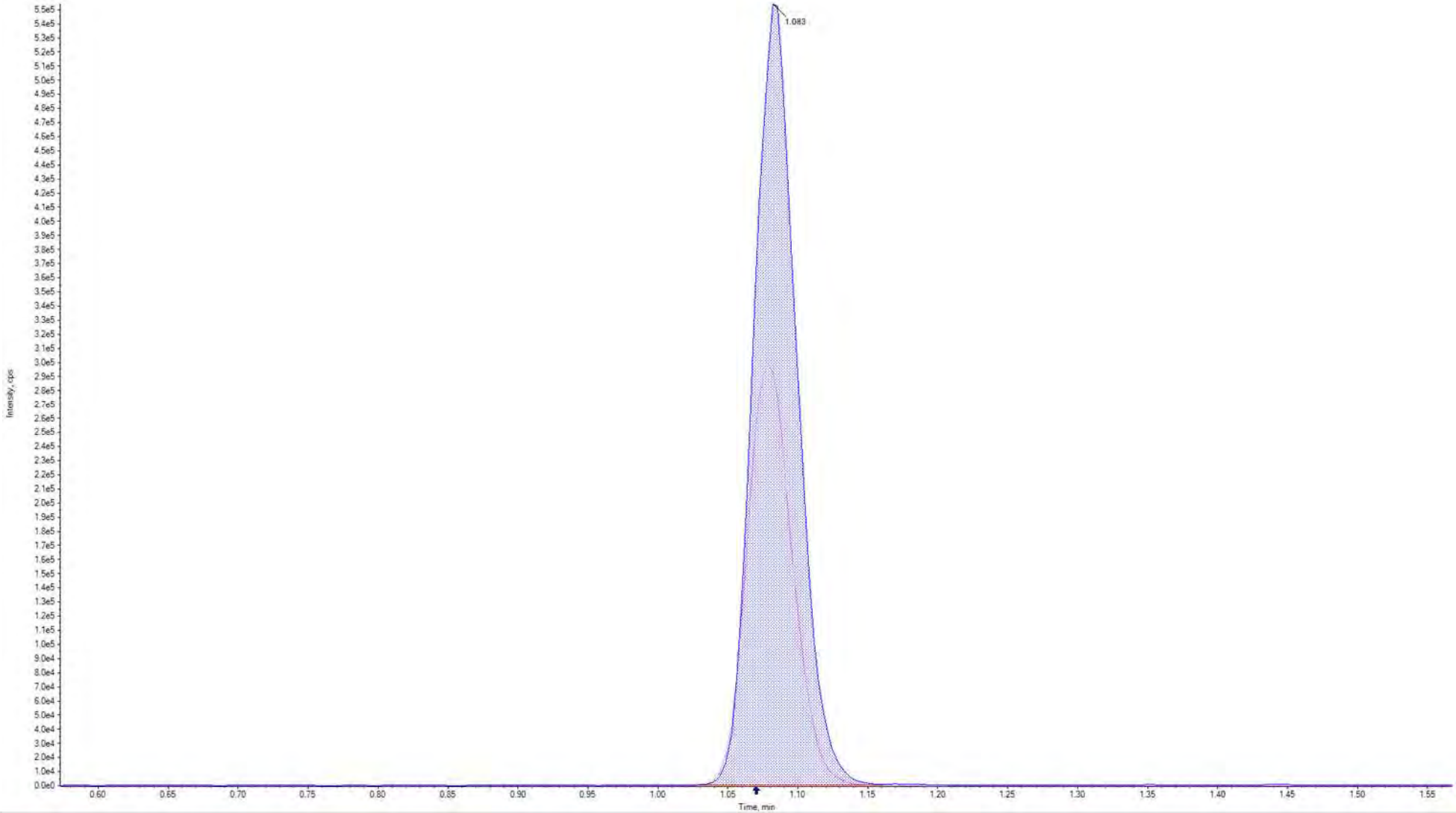

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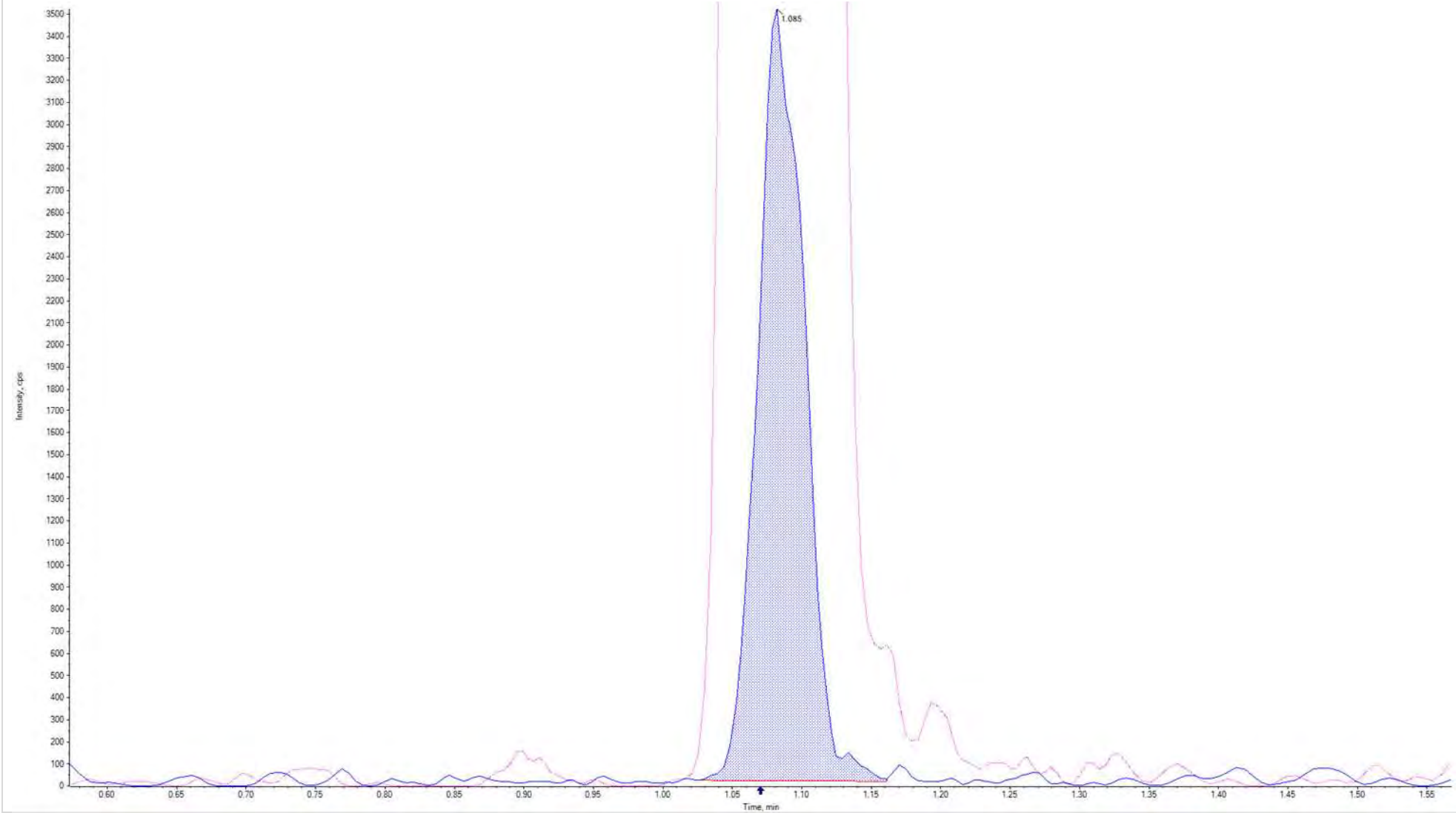

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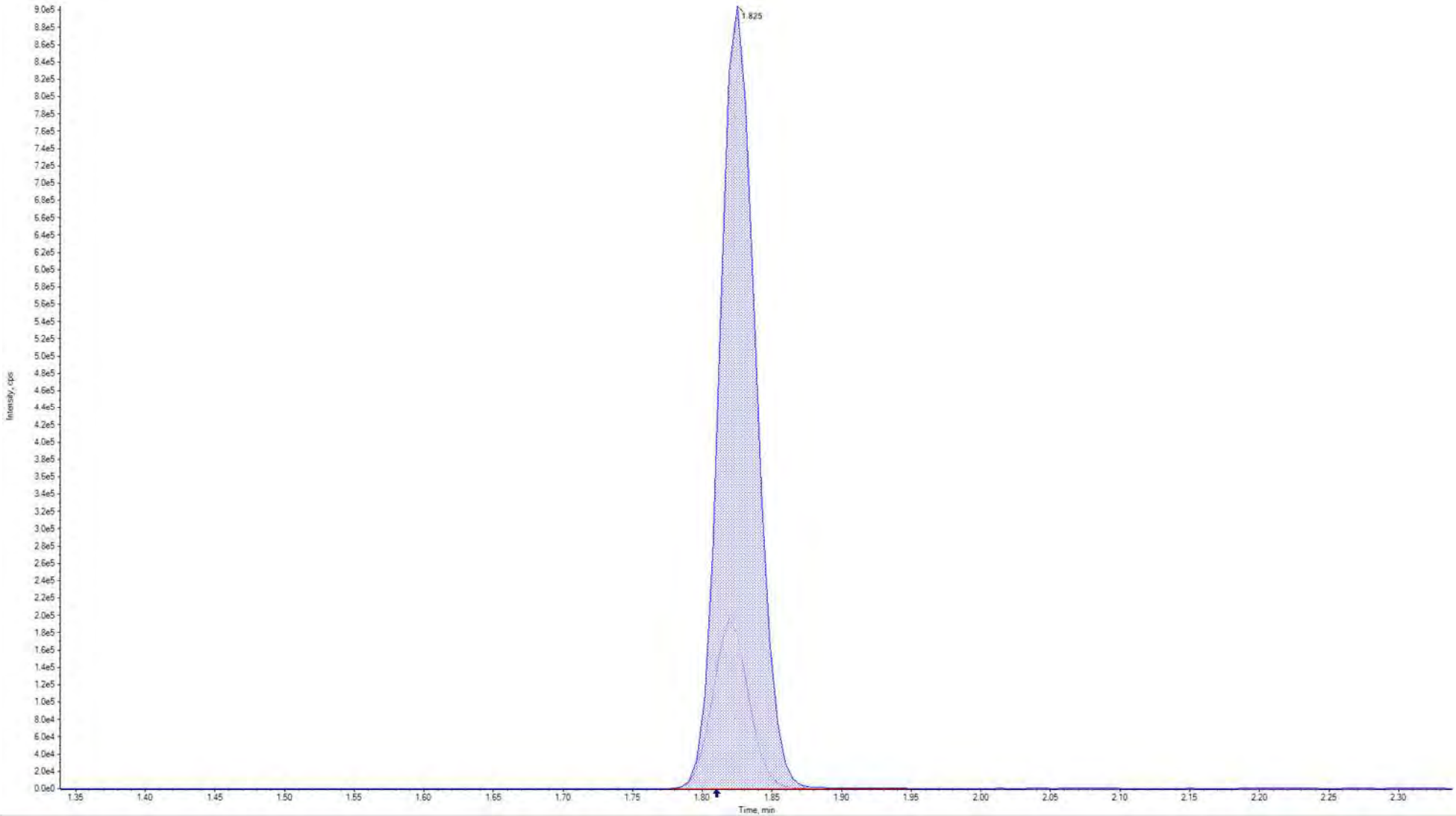
PFHxA
Sample: CA1633STD-10 S/N:7238.2 Points Across peak:40



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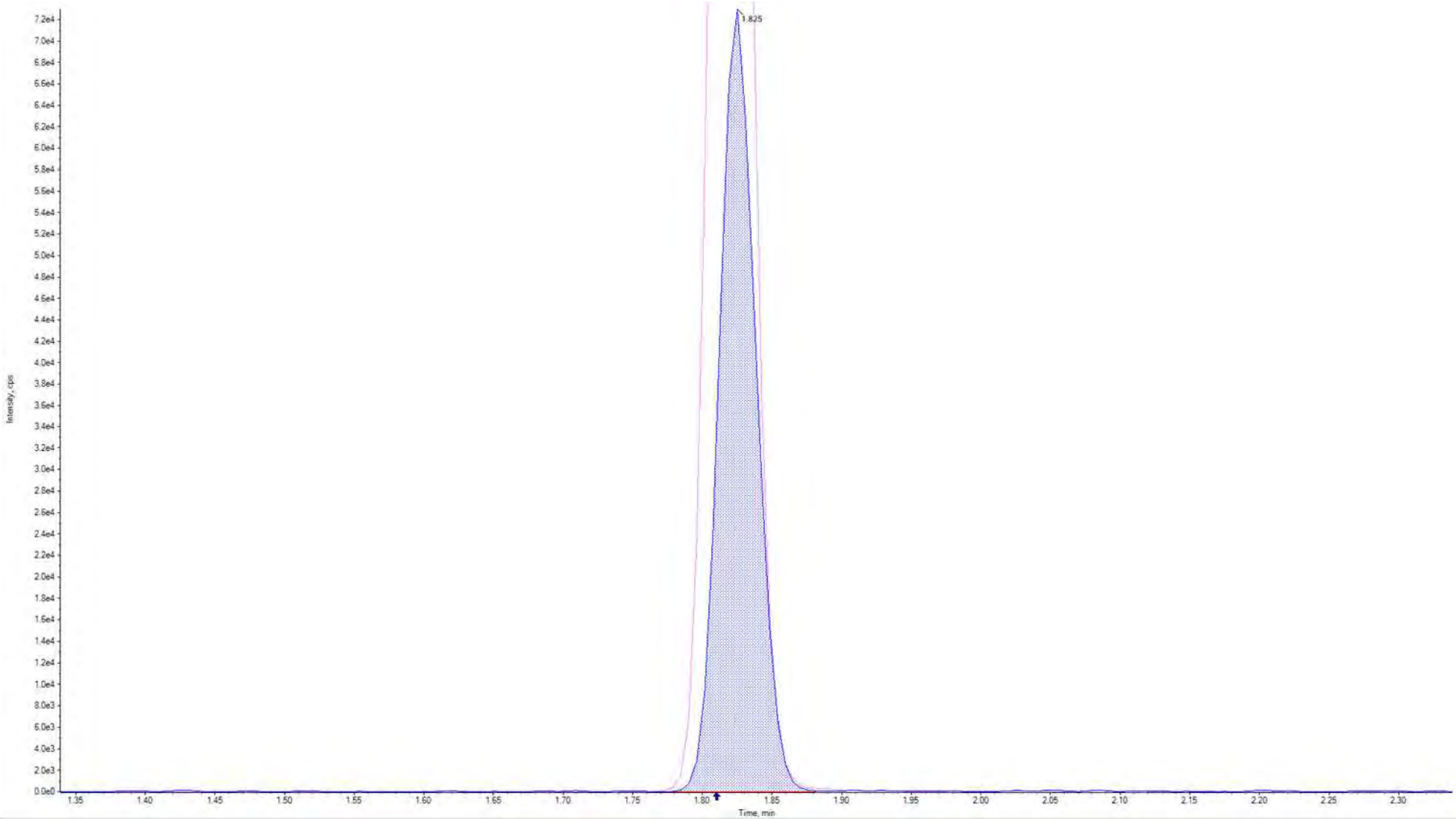
PFHxA_2
Sample: CA1633STD-10 S/N:1828.4 Points Across peak:20



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PFHpA
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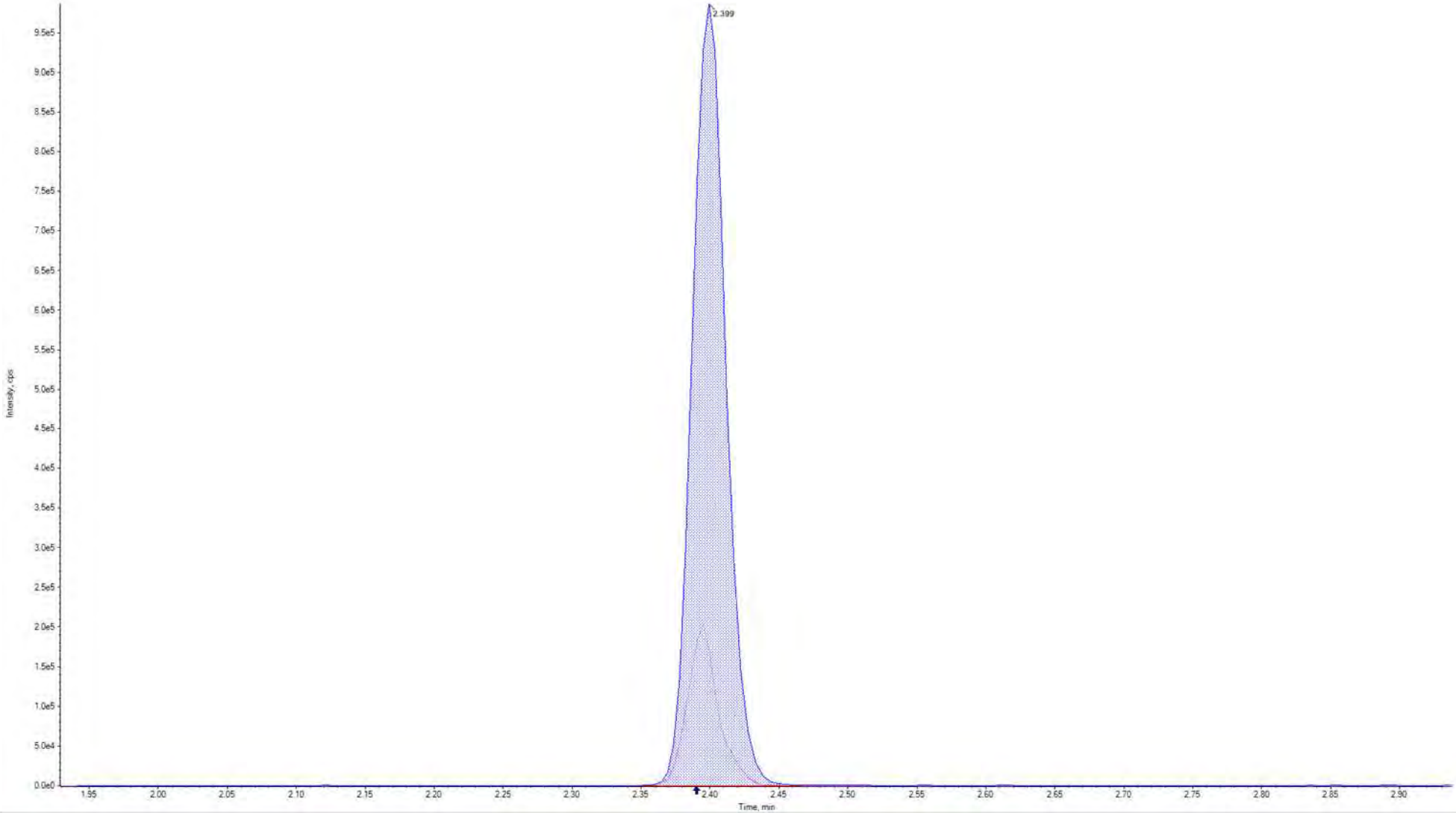

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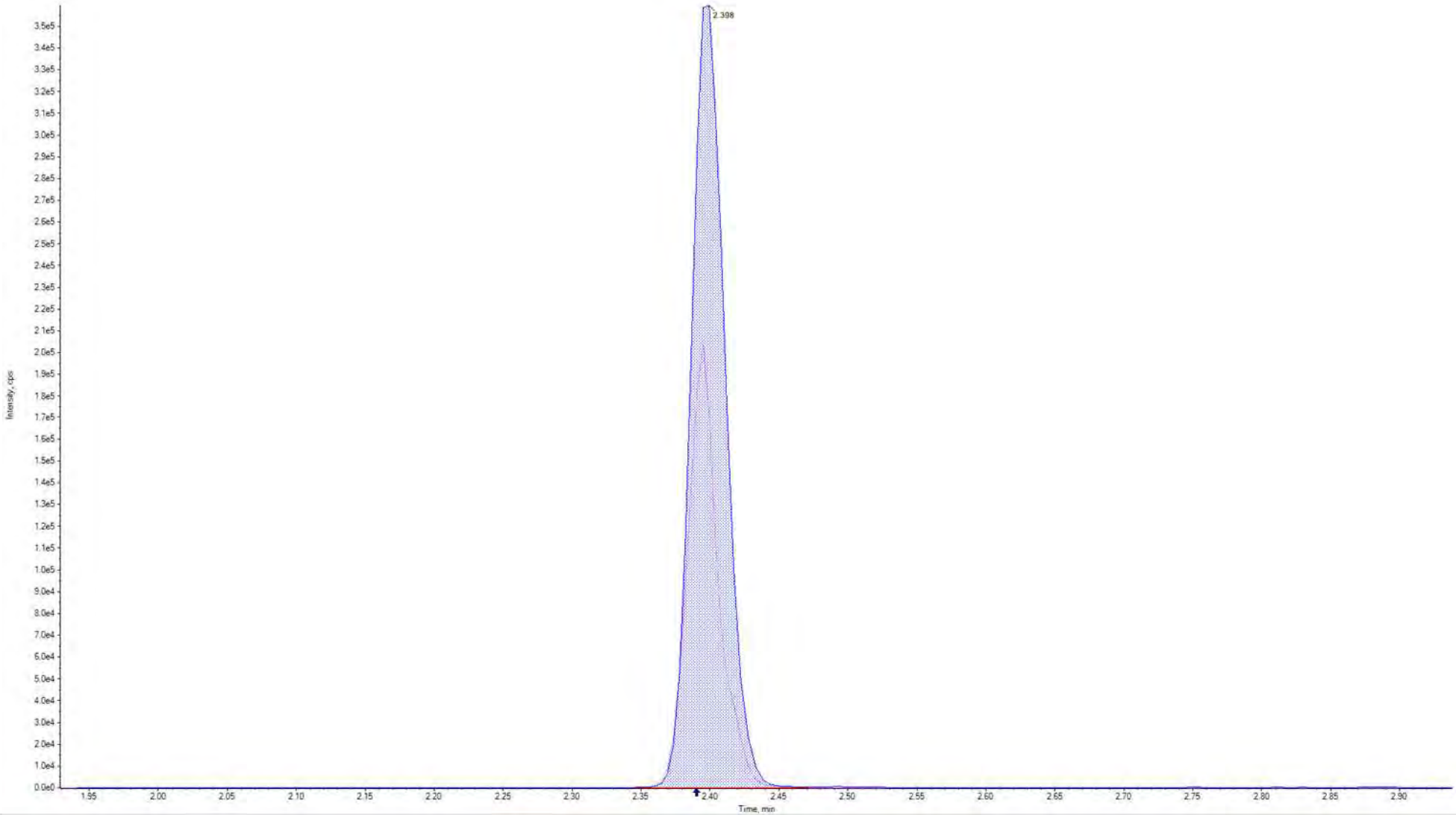
PFHpA_2
Sample: CA1633STD-10 S/N:7209.3 Points Across peak:31



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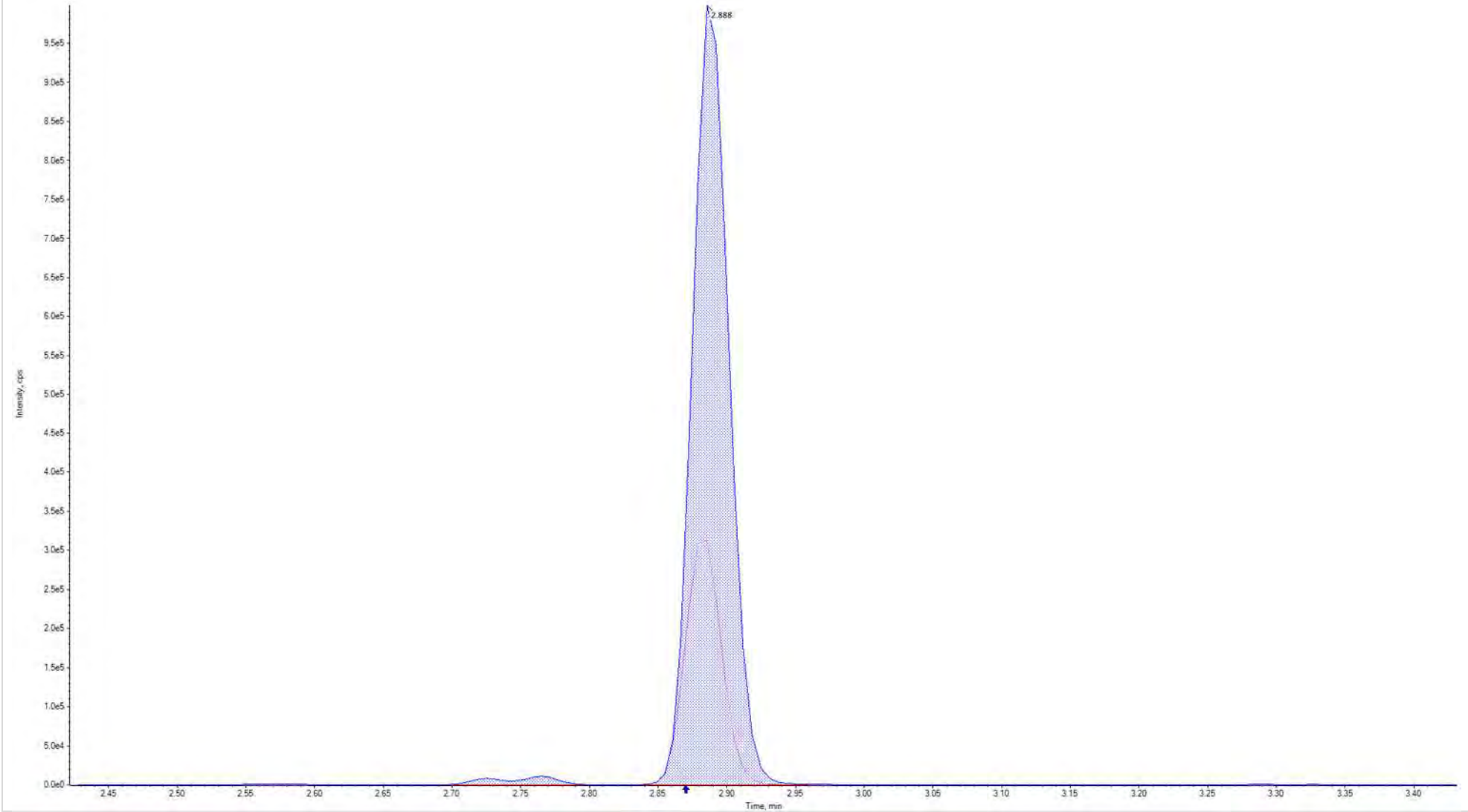
PFOA
Sample: CA1633STD-10 S/N:2332.5 Points Across peak:46



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PFOA_2
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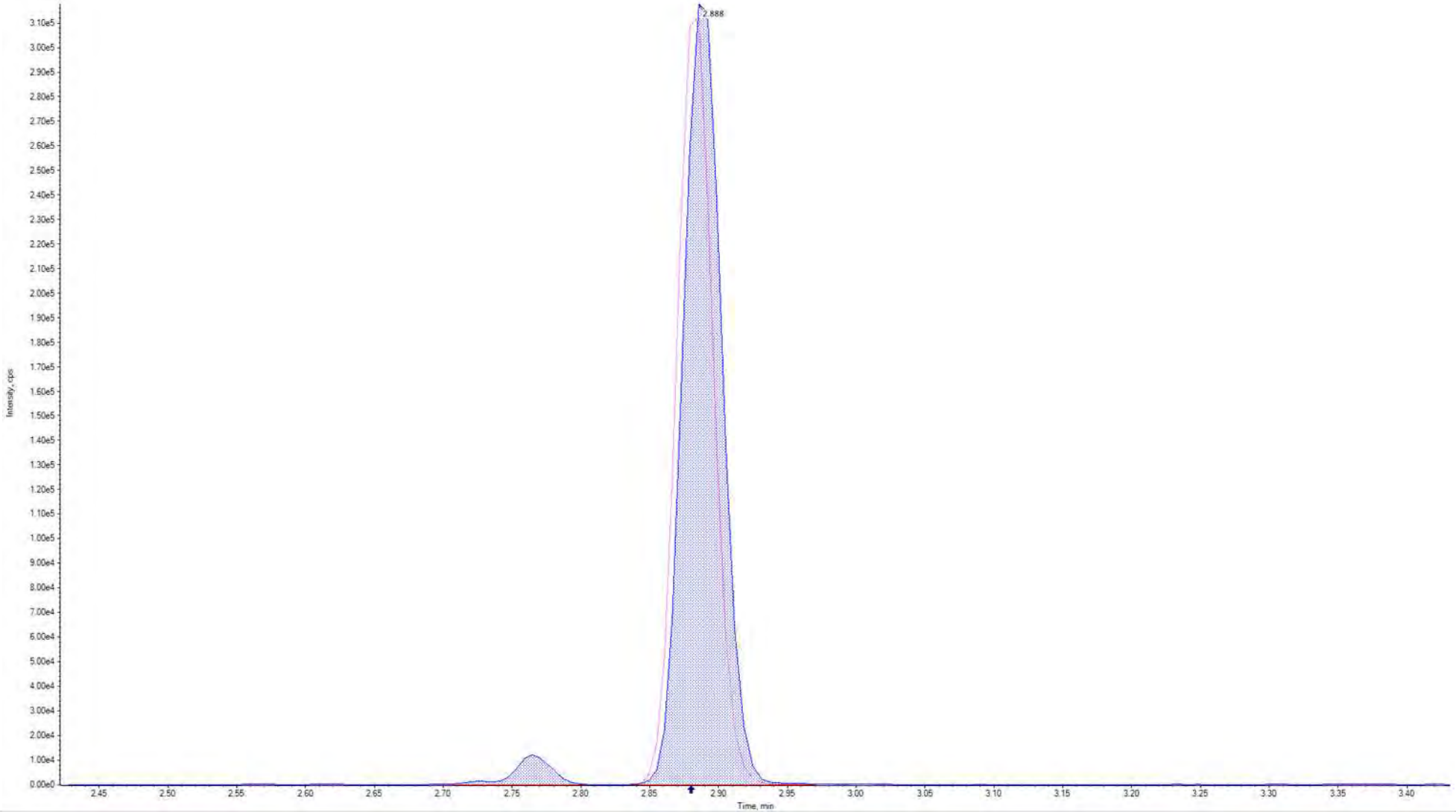

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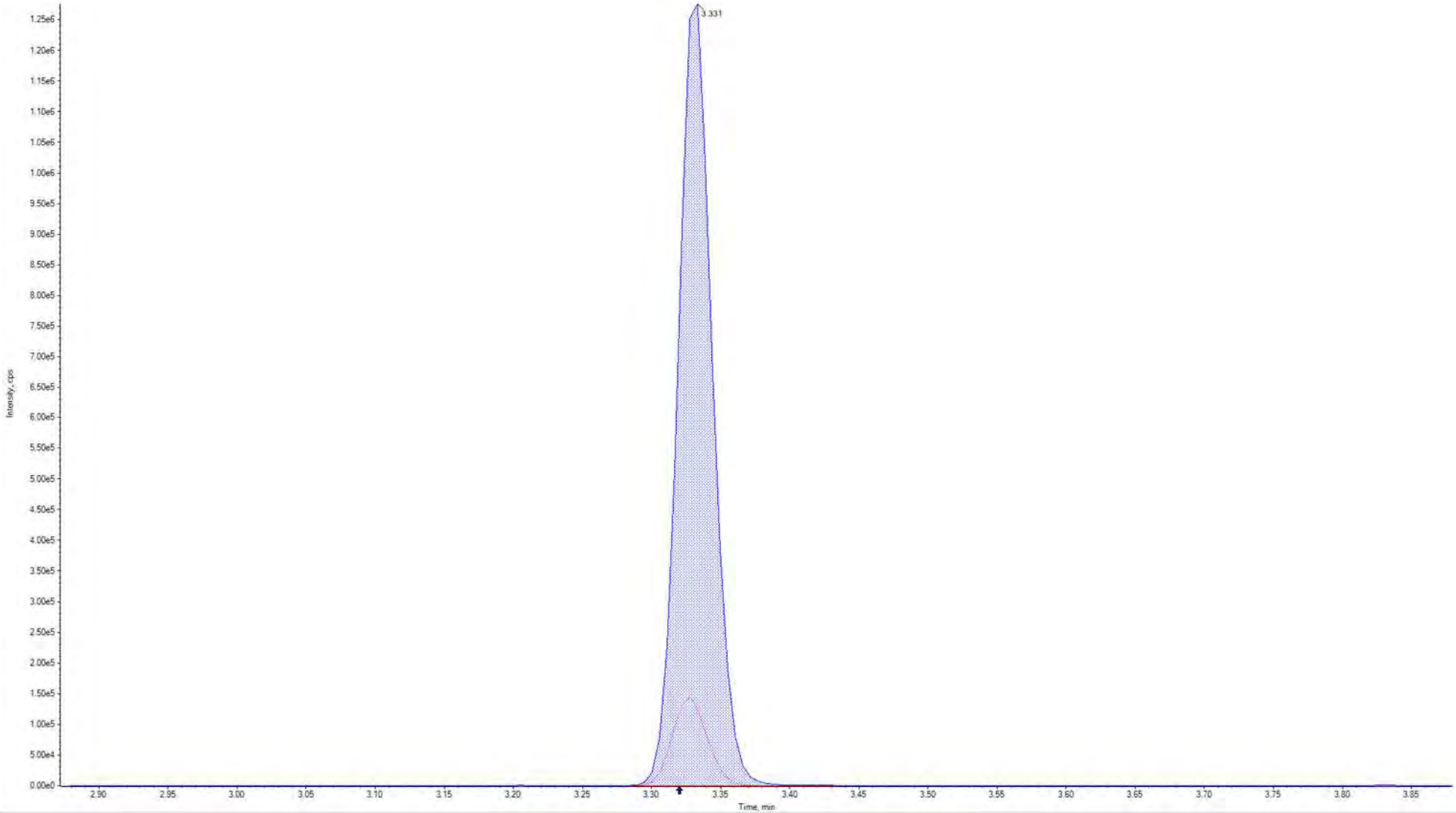
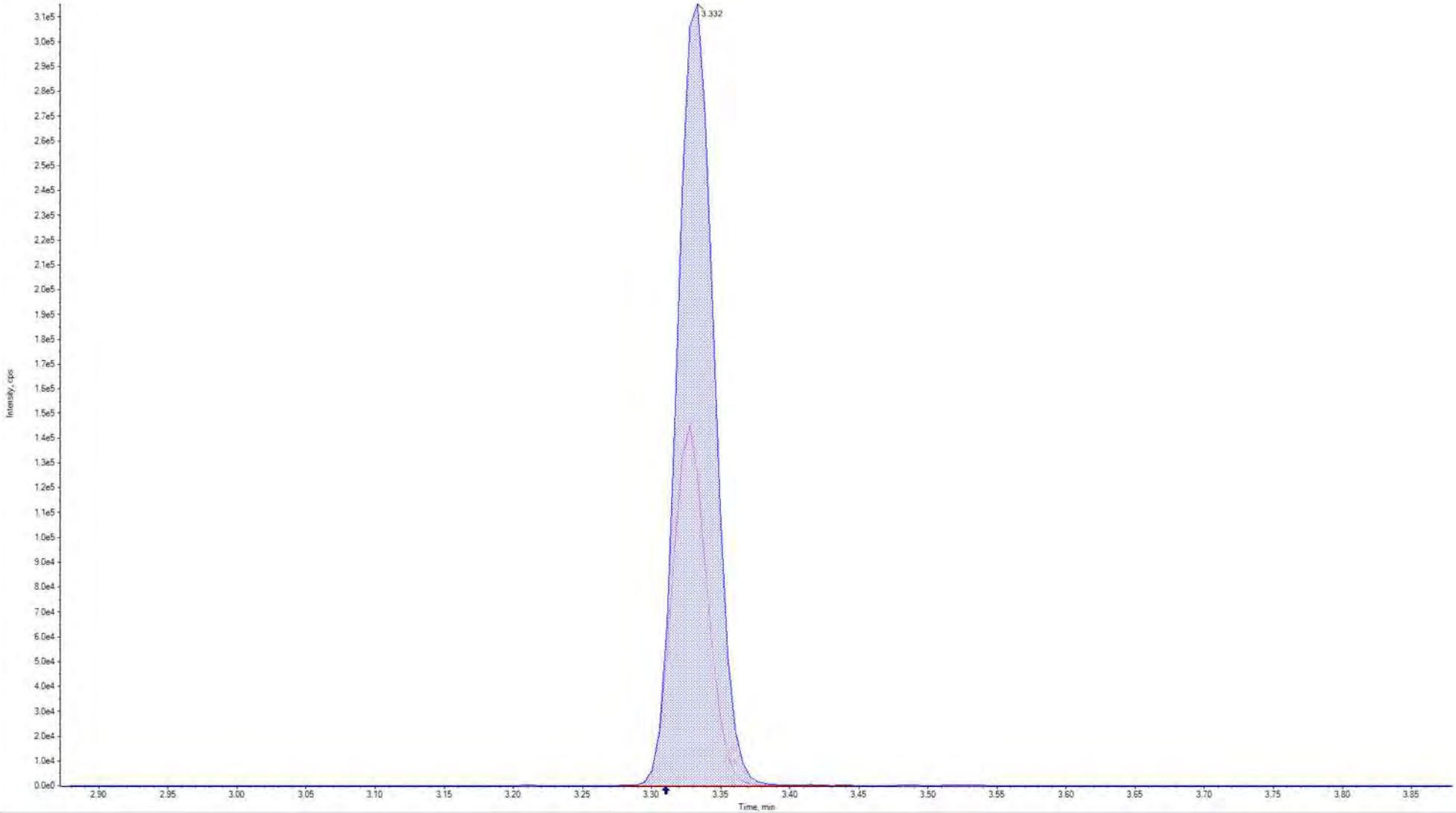
PFNA
Sample: CA1633STD-10 S/N:3101.3 Points Across peak:34



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_27.wiff2_4
Last Altered: 11/12/2024 3:40:23 PM
Generated: 11/12/2024 3:31:45 PM

PFNA_2
Sample: CA1633STD-10 S/N:2640.0 Points Across peak:39



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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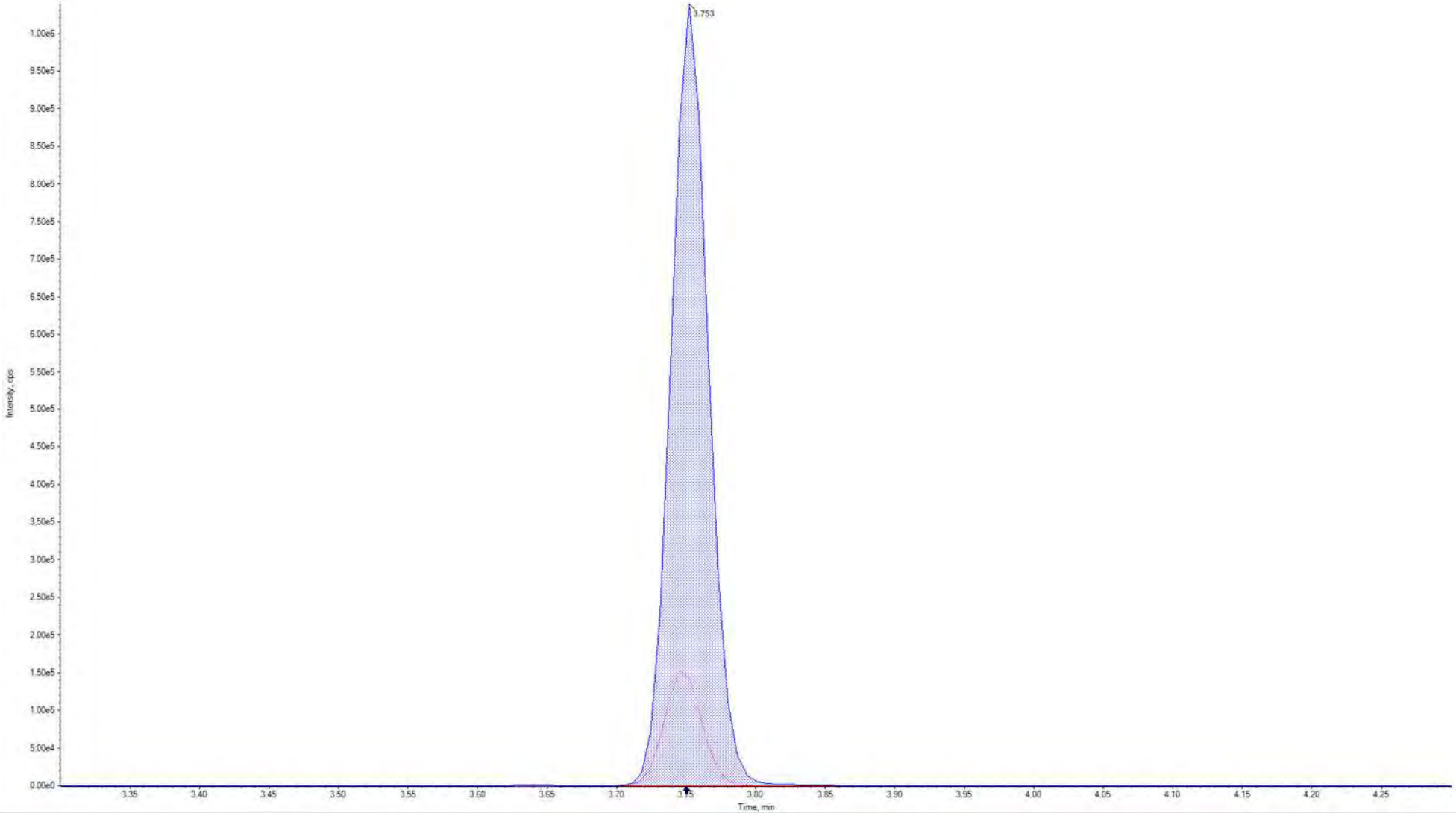
PFDA
Sample: CA1633STD-10 S/N:20837.9 Points Across peak:34



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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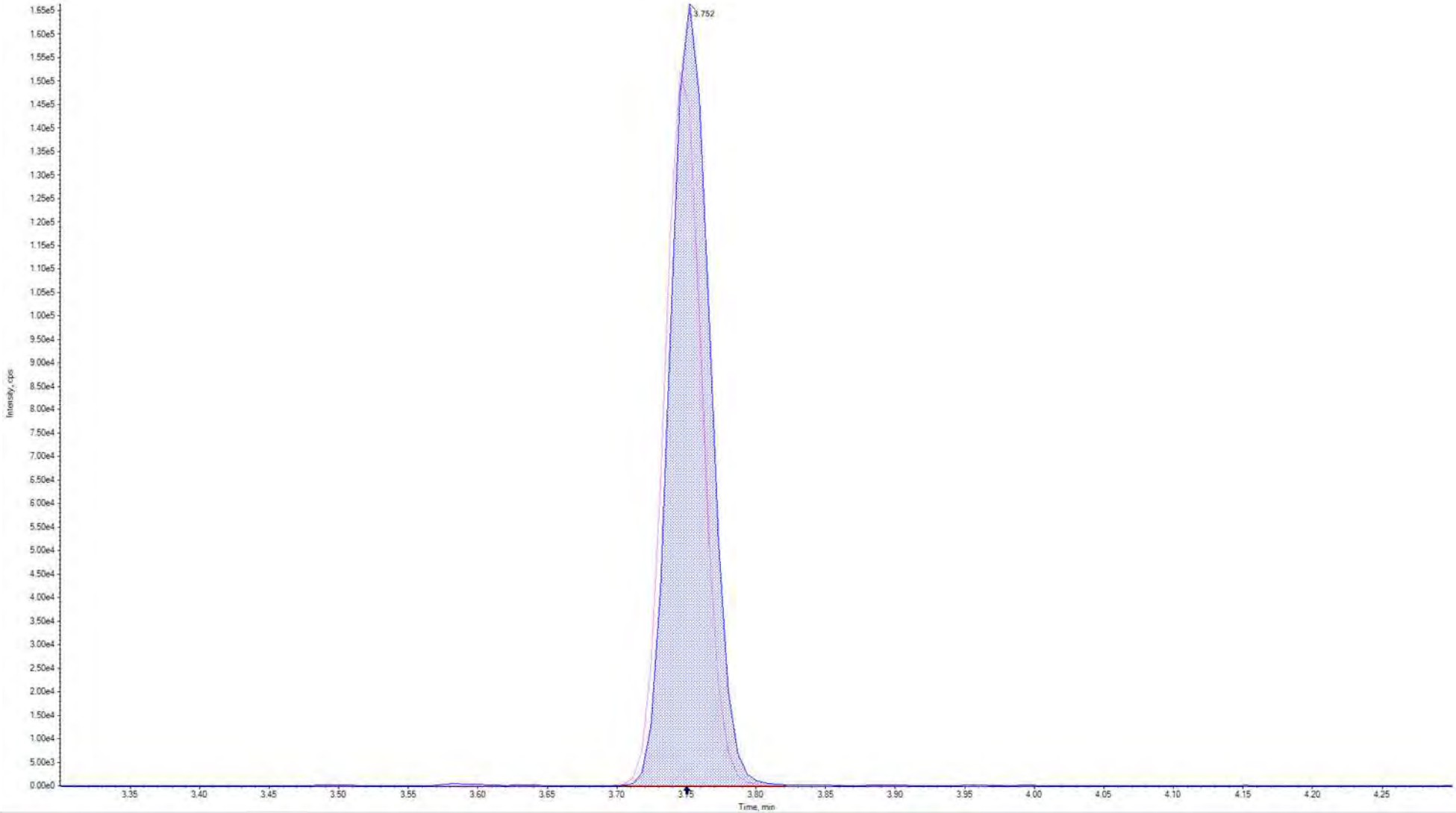
Last Altered: 11/12/2024 3:40:23 PM
Generated: 11/12/2024 3:31:45 PM

PFDA_2
Sample: CA1633STD-10 S/N:2702.0 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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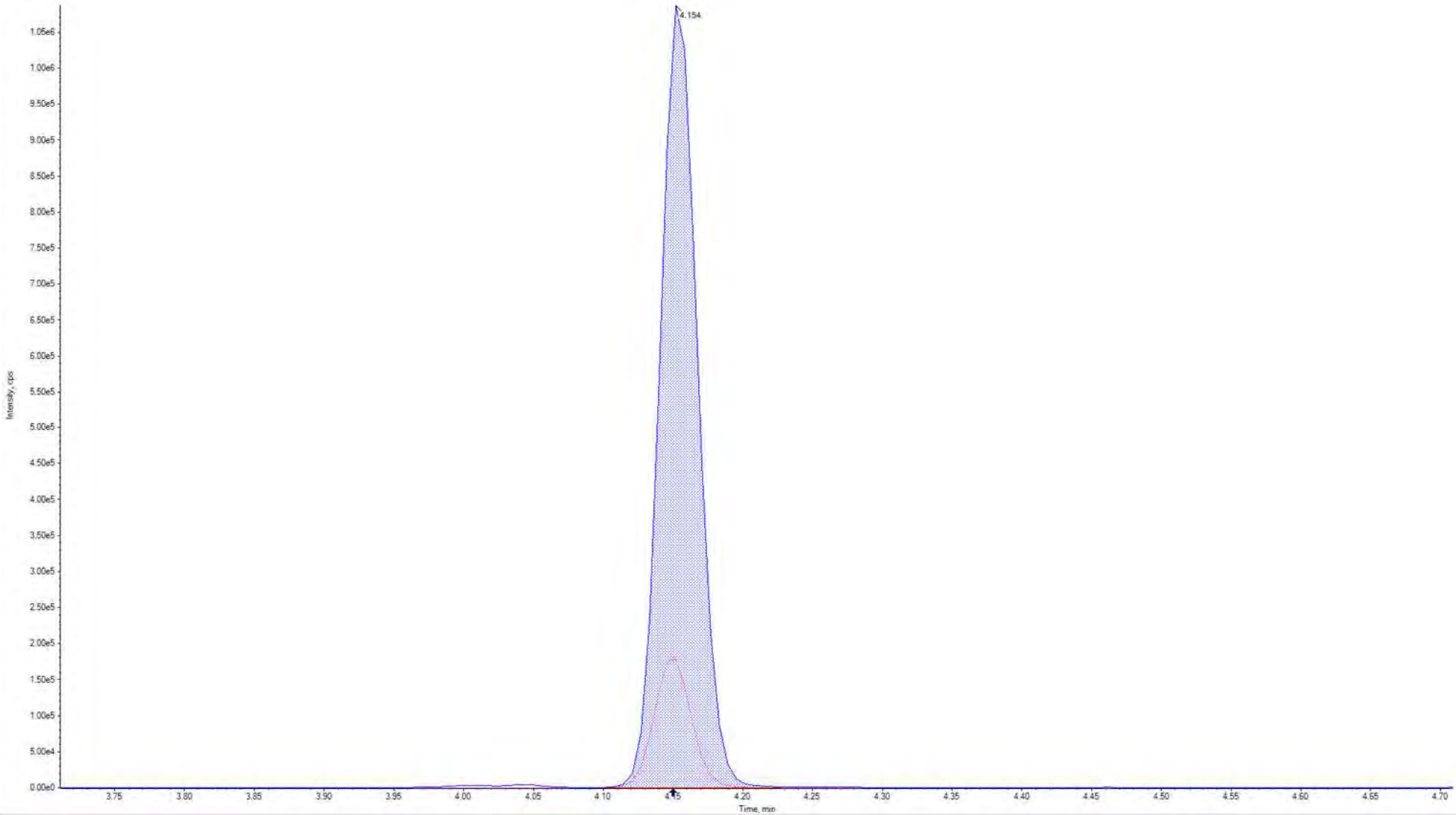
Generated: 11/12/2024 3:31:45 PM

PFUnA
Sample: CA1633STD-10 S/N:10133.5 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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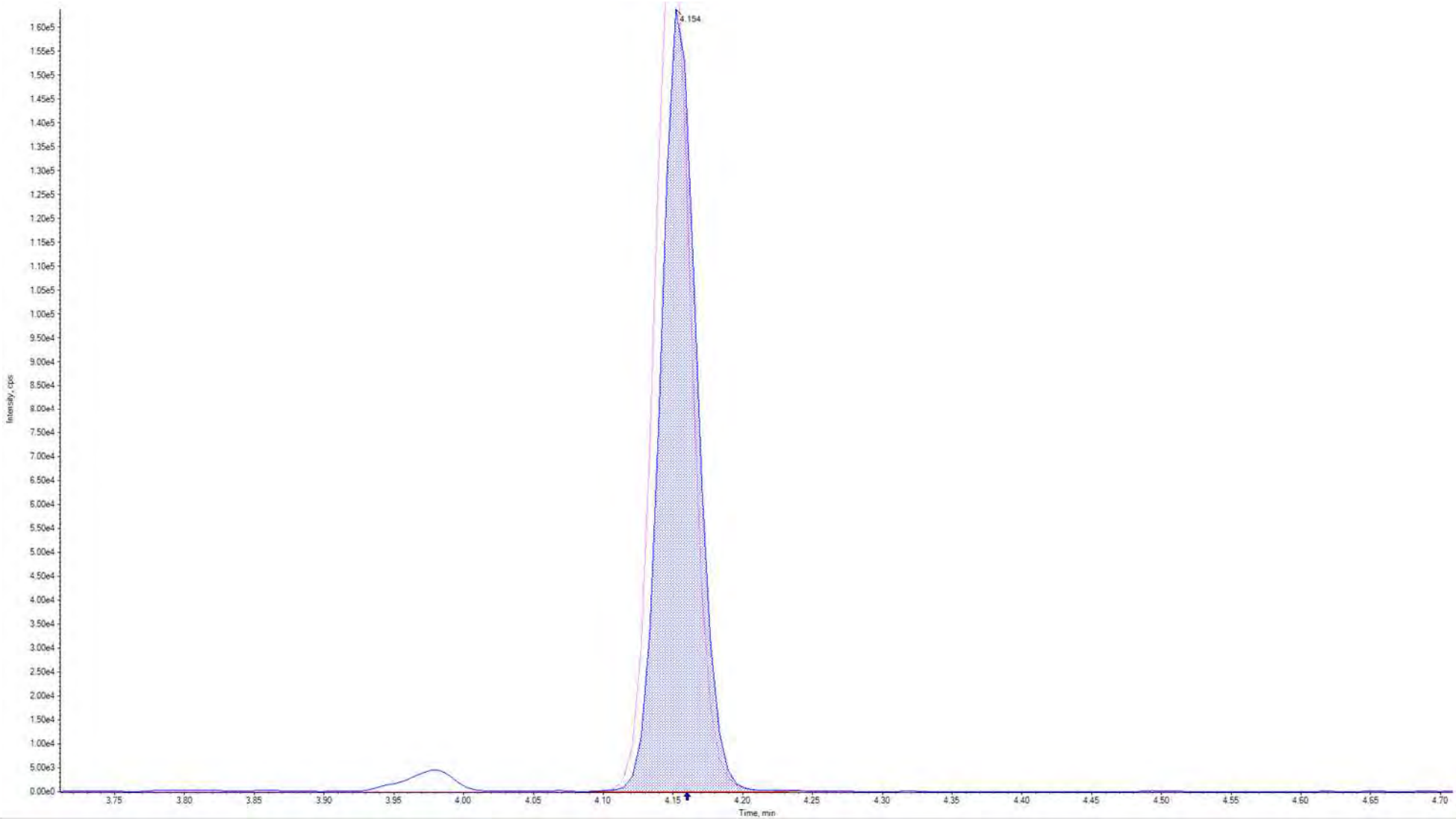
Last Altered: 11/12/2024 3:40:23 PM
Generated: 11/12/2024 3:31:45 PM

PFUnA_2
Sample: CA1633STD-10 S/N:3694.3 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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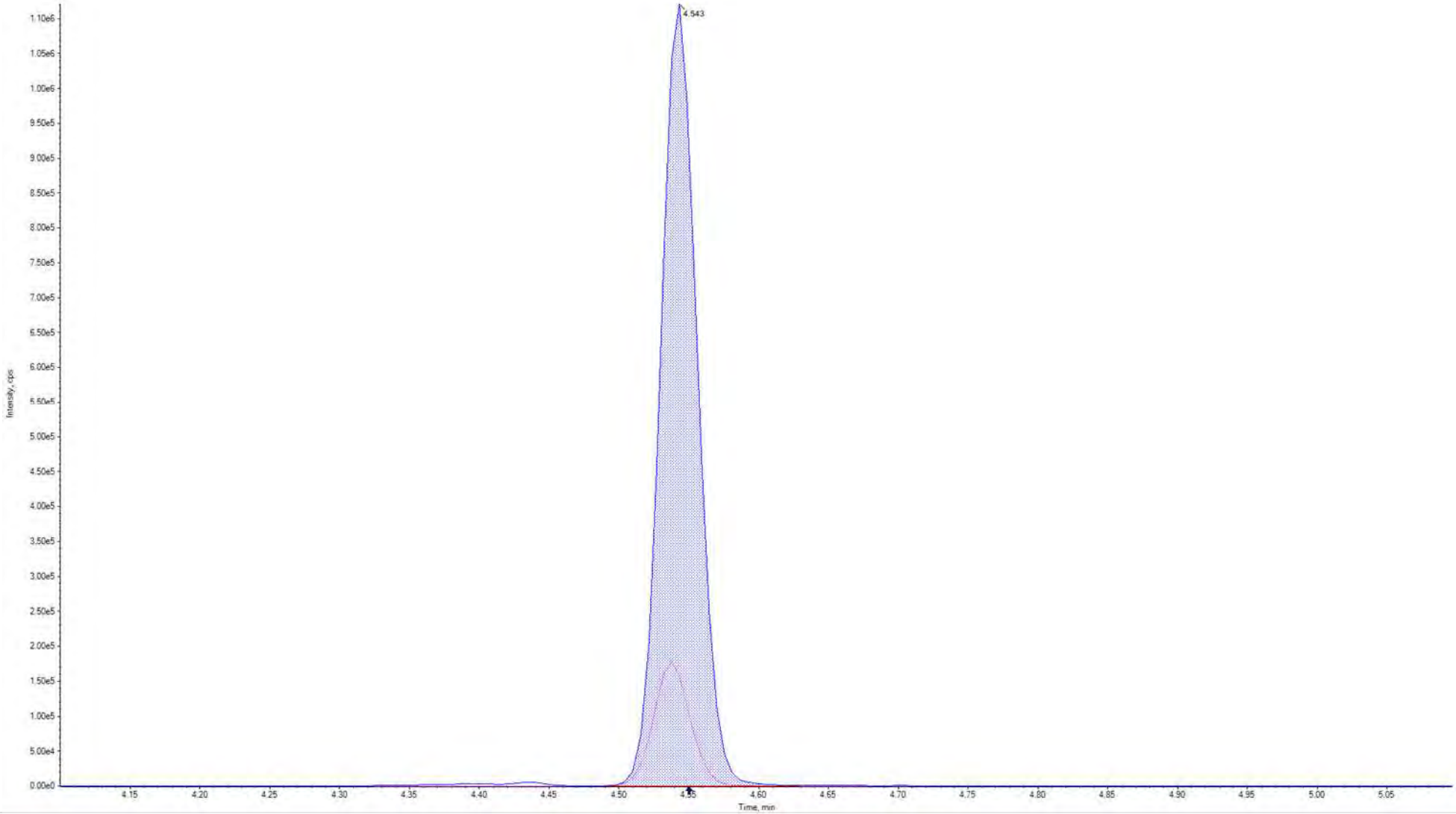
Last Altered: 11/12/2024 3:40:23 PM
Generated: 11/12/2024 3:31:45 PM

PFDoA
Sample: CA1633STD-10 S/N:16310.6 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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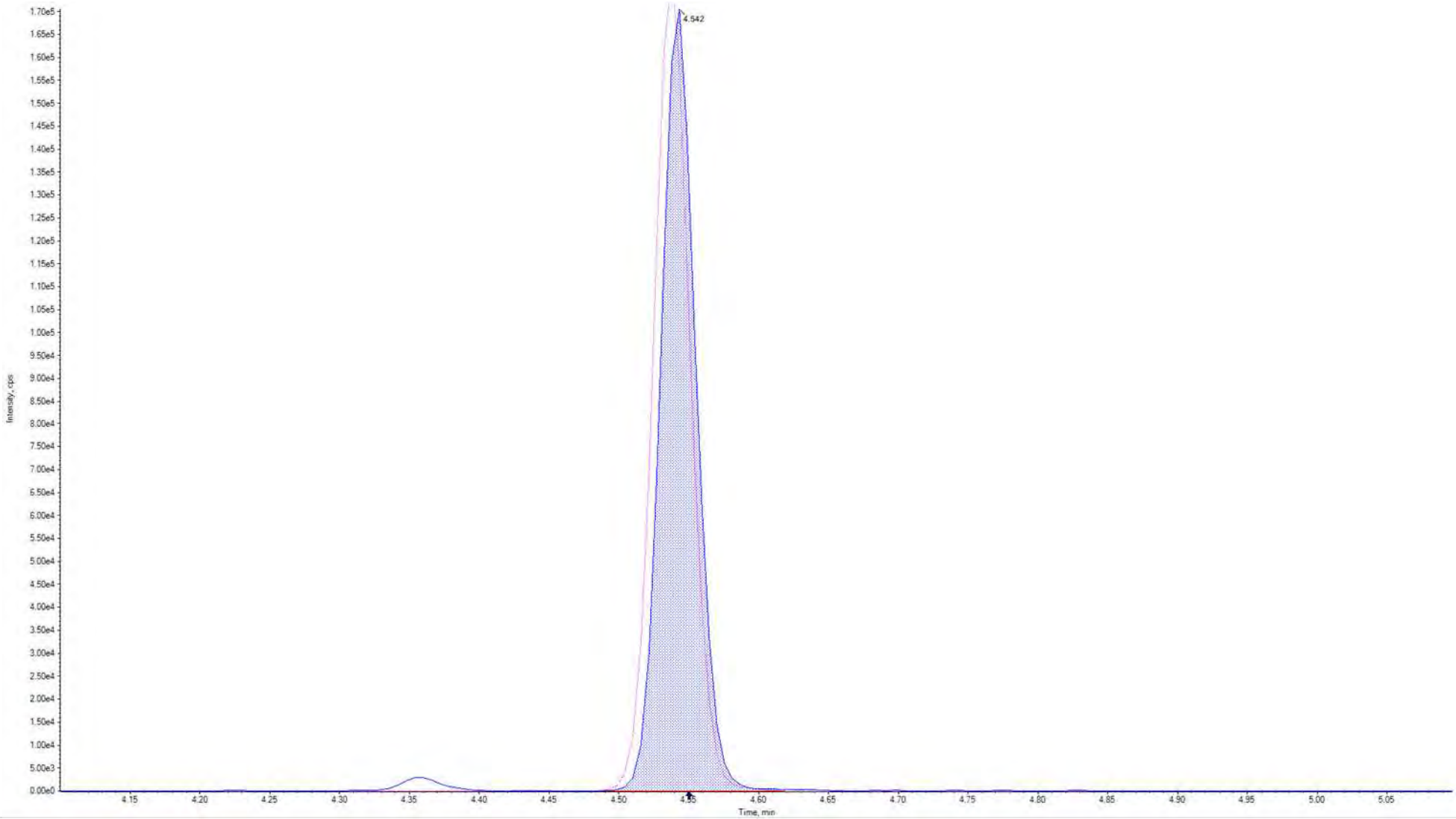
Last Altered: 11/12/2024 3:40:23 PM
Generated: 11/12/2024 3:31:45 PM

PFDoA_2
Sample: CA1633STD-10 S/N:2730.7 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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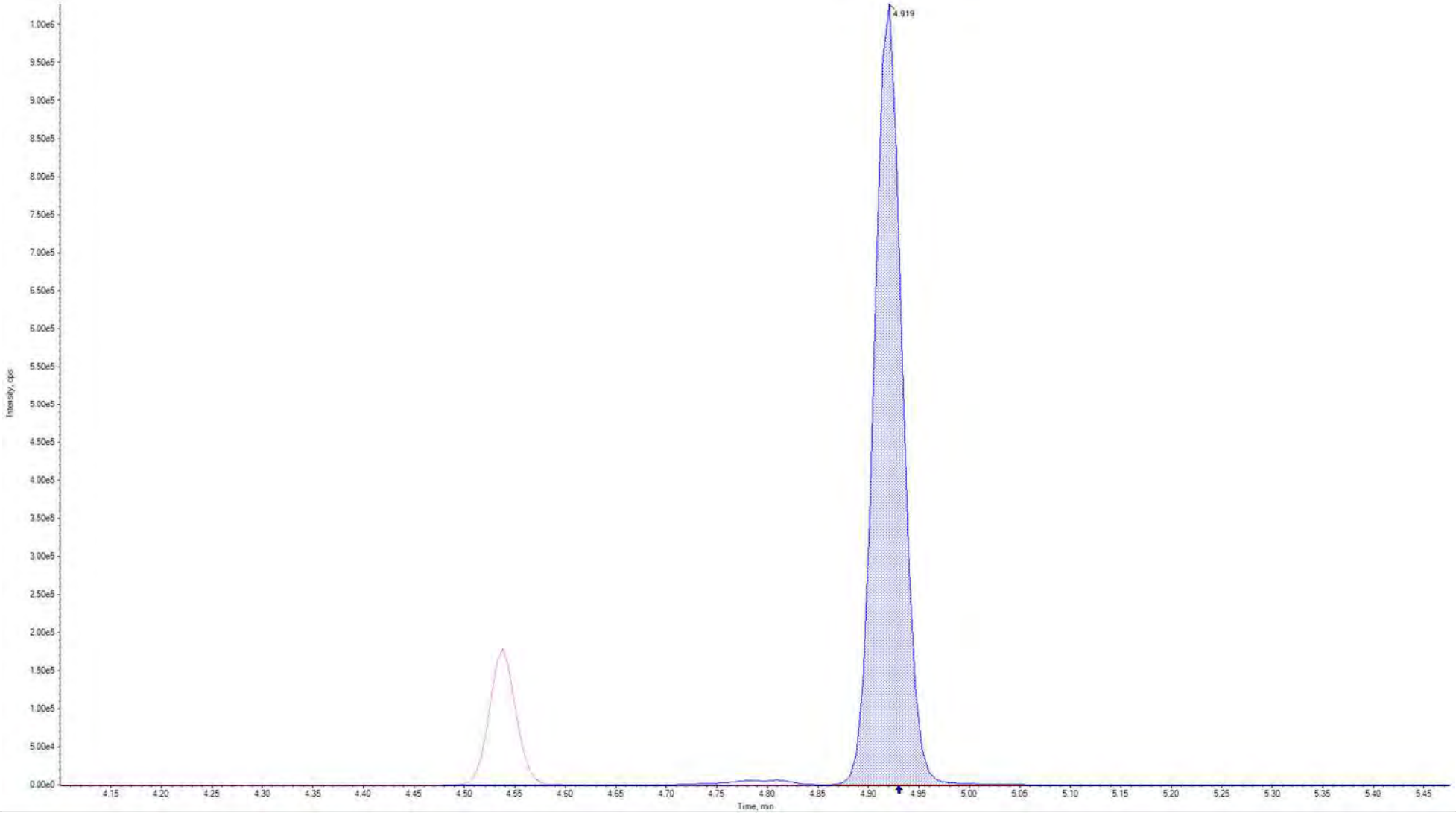
Last Altered: 11/12/2024 3:40:23 PM
Generated: 11/12/2024 3:31:45 PM

PFTrDA
Sample: CA1633STD-10 S/N:13013.1 Points Across peak:34



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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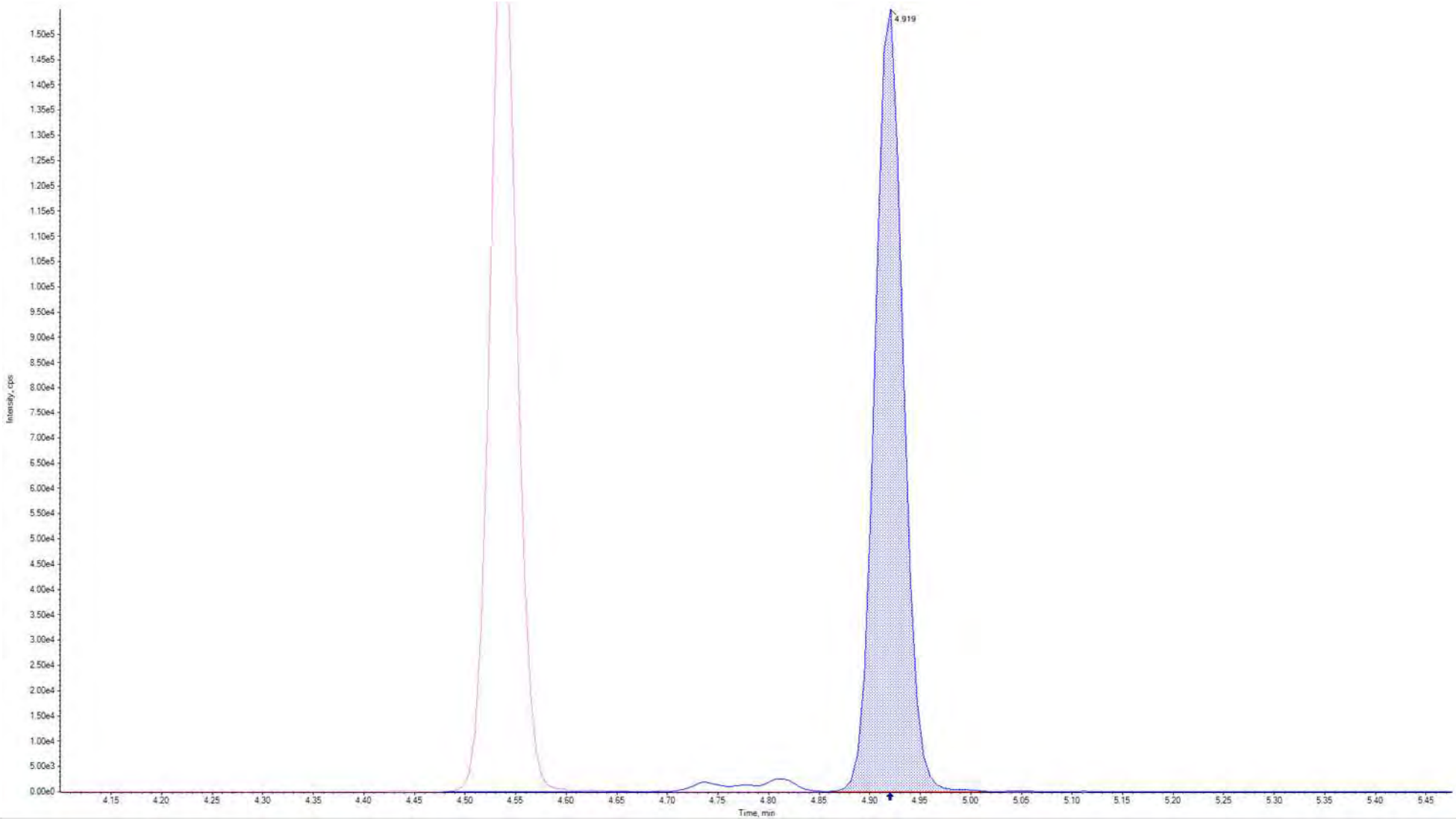
Last Altered: 11/12/2024 3:40:23 PM
Generated: 11/12/2024 3:31:45 PM

PFTrDA_2
Sample: CA1633STD-10 S/N:6215.7 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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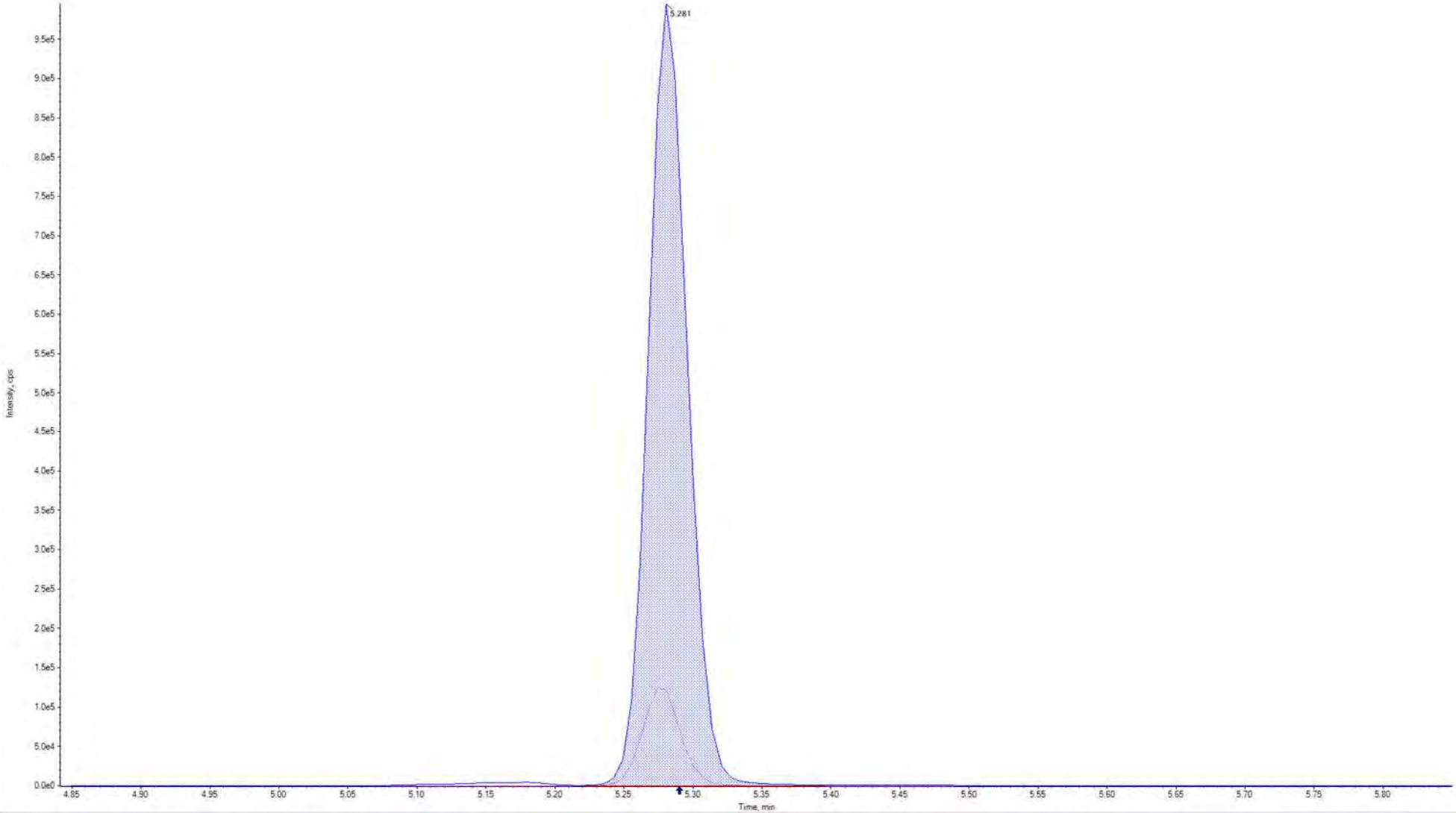
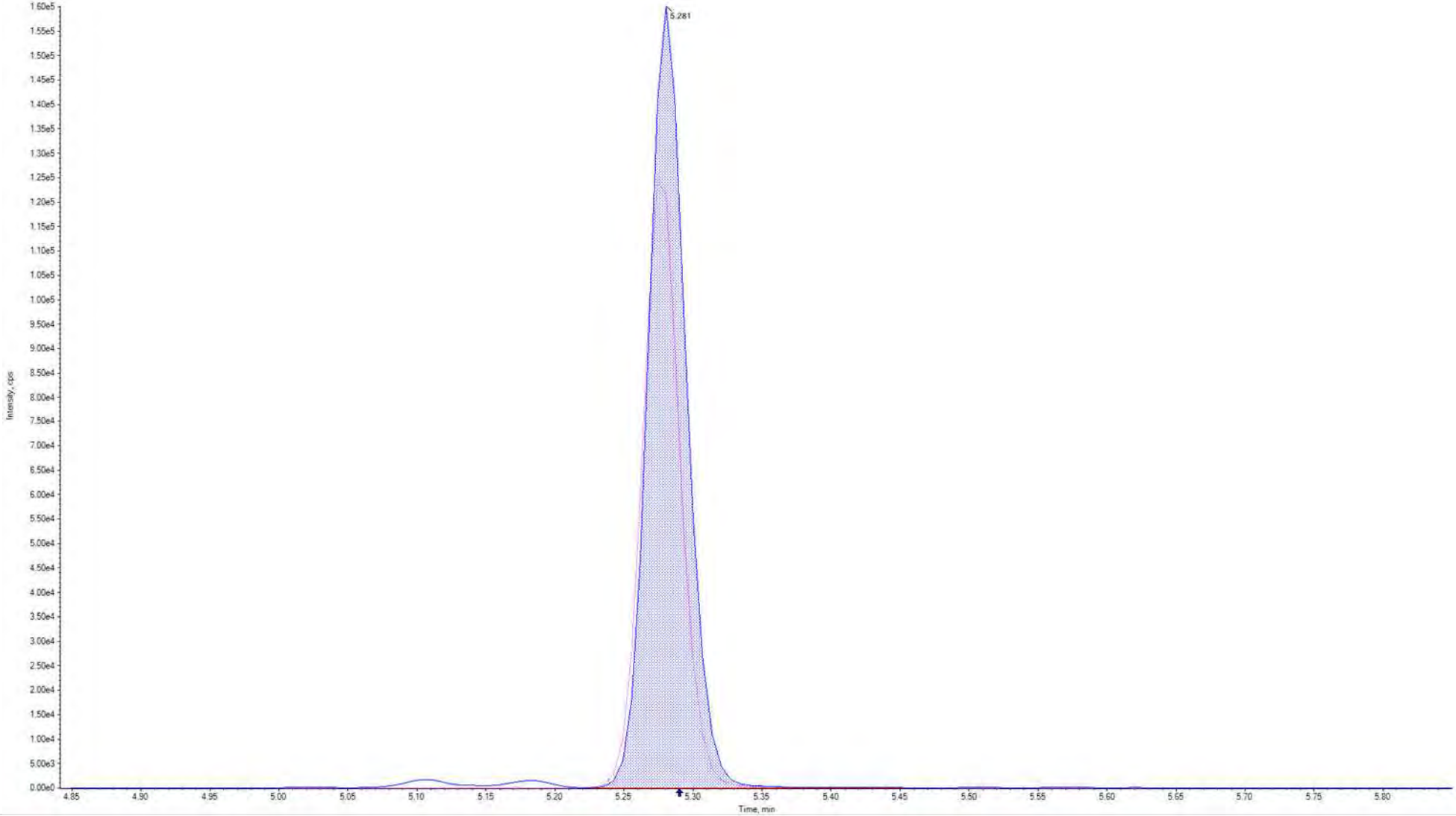
Last Altered: 11/12/2024 3:40:23 PM
Generated: 11/12/2024 3:31:45 PM

PFTeDA
Sample: CA1633STD-10 S/N:4544.3 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_27.wiff2_4
Last Altered: 11/12/2024 3:40:23 PM
Generated: 11/12/2024 3:31:45 PM

PFTeDA_2
Sample: CA1633STD-10 S/N:1299.8 Points Across peak:36



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/12/2024 3:40:23 PM
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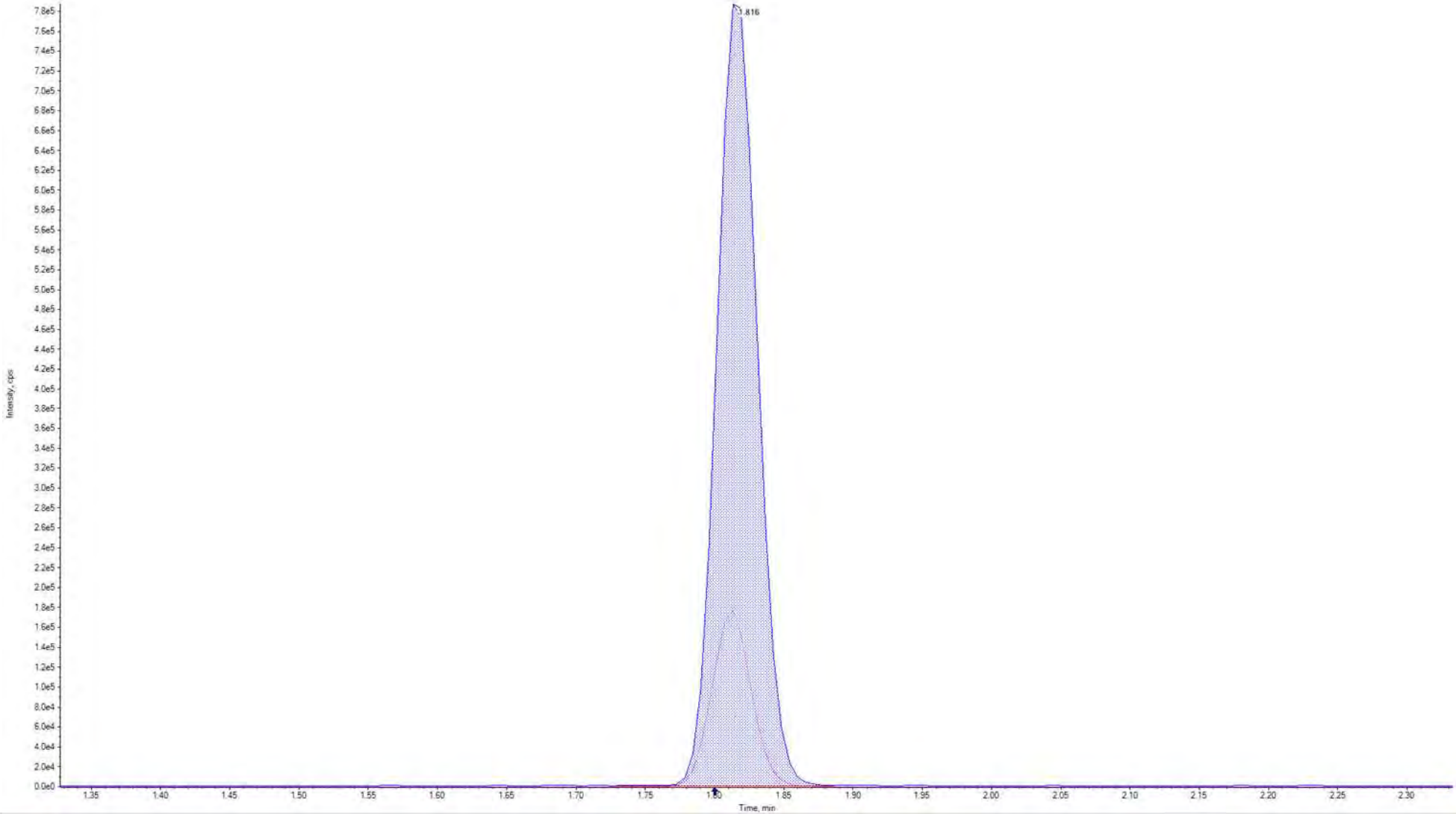
PFBS
Sample: CA1633STD-10 S/N:2508.1 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/12/2024 3:40:23 PM
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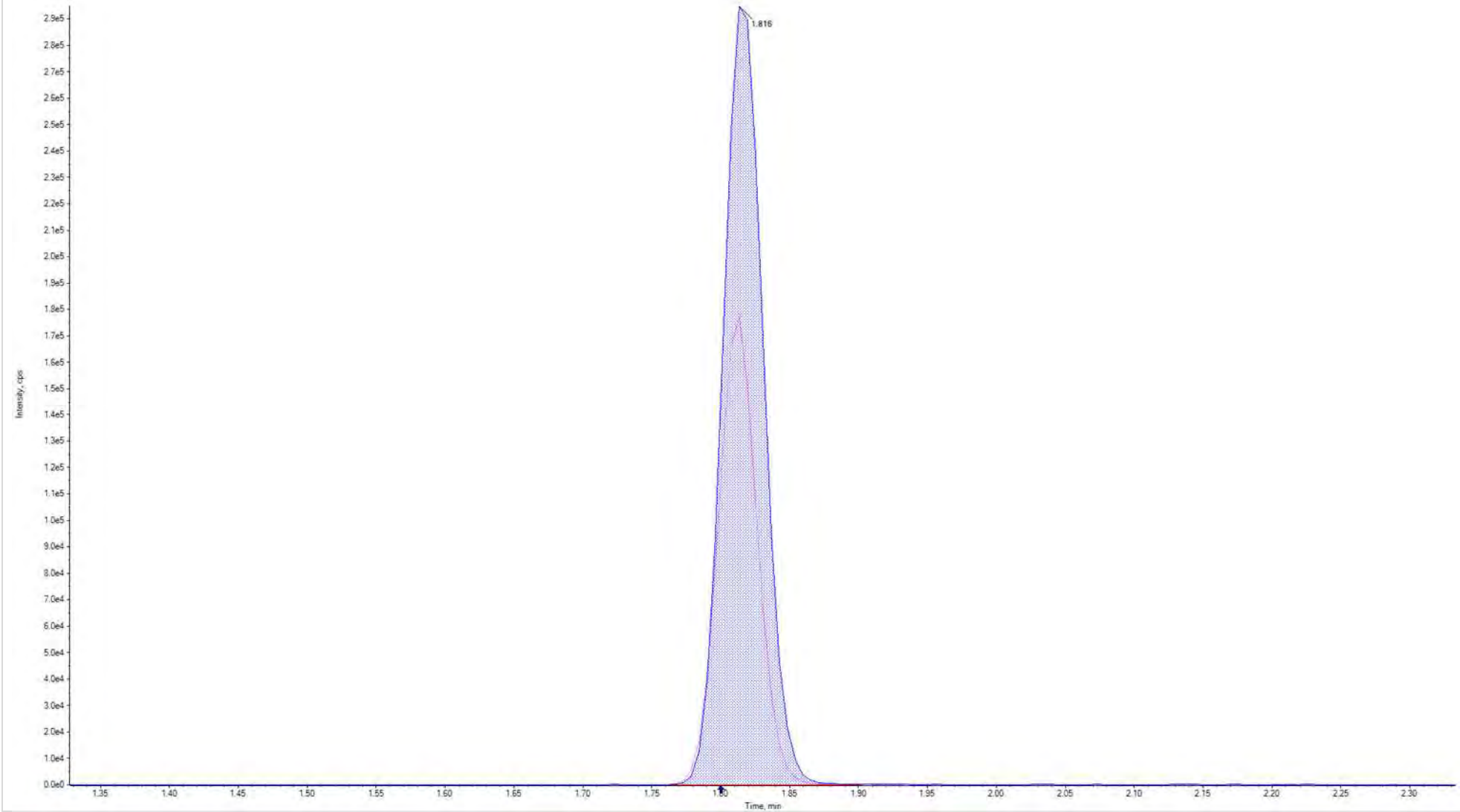
PFBS_2
Sample: CA1633STD-10 S/N:7390.0 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_27.wiff2_4
Last Altered: 11/12/2024 3:40:23 PM
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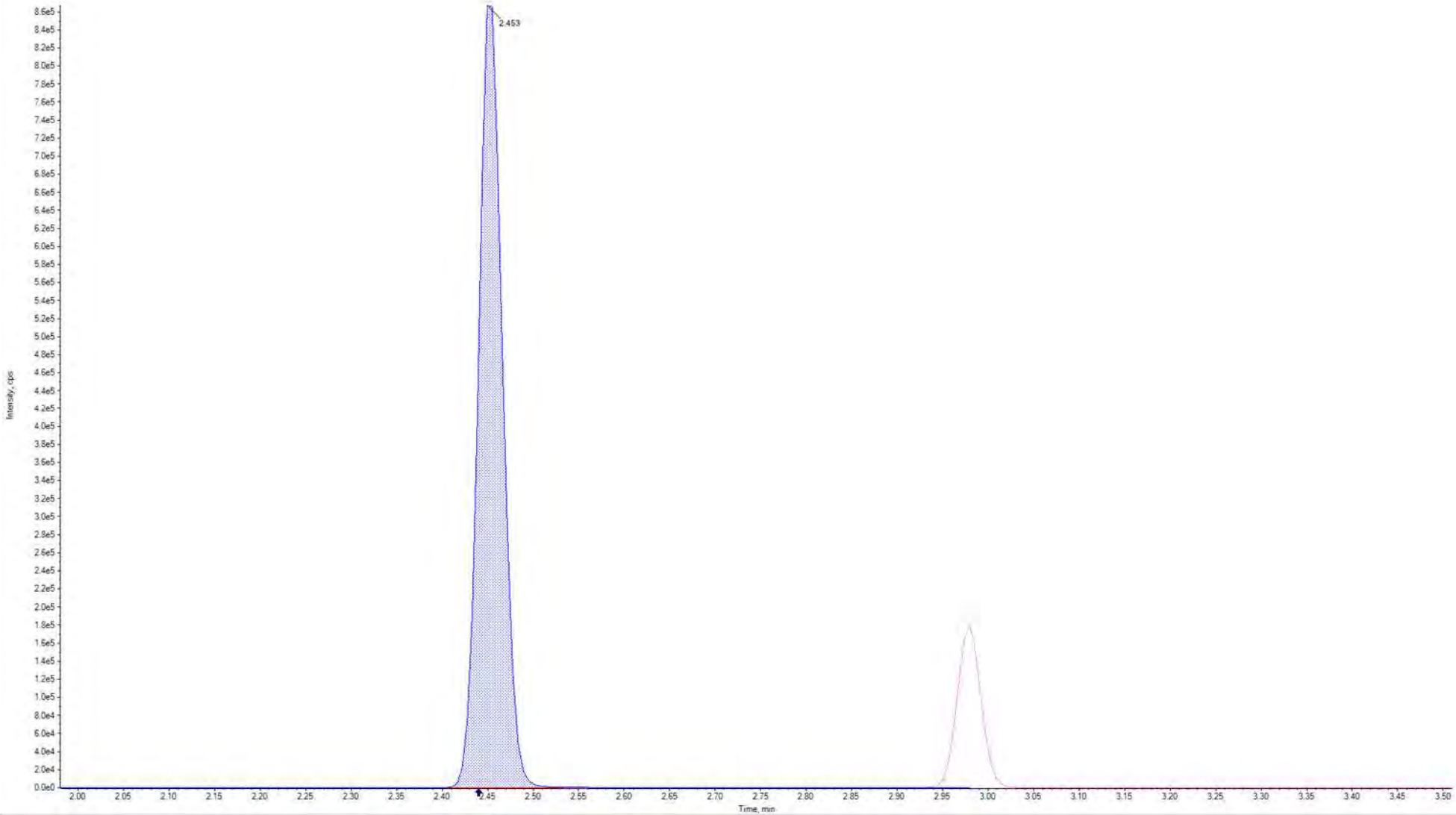
PFPeS
Sample: CA1633STD-10 S/N:17385.7 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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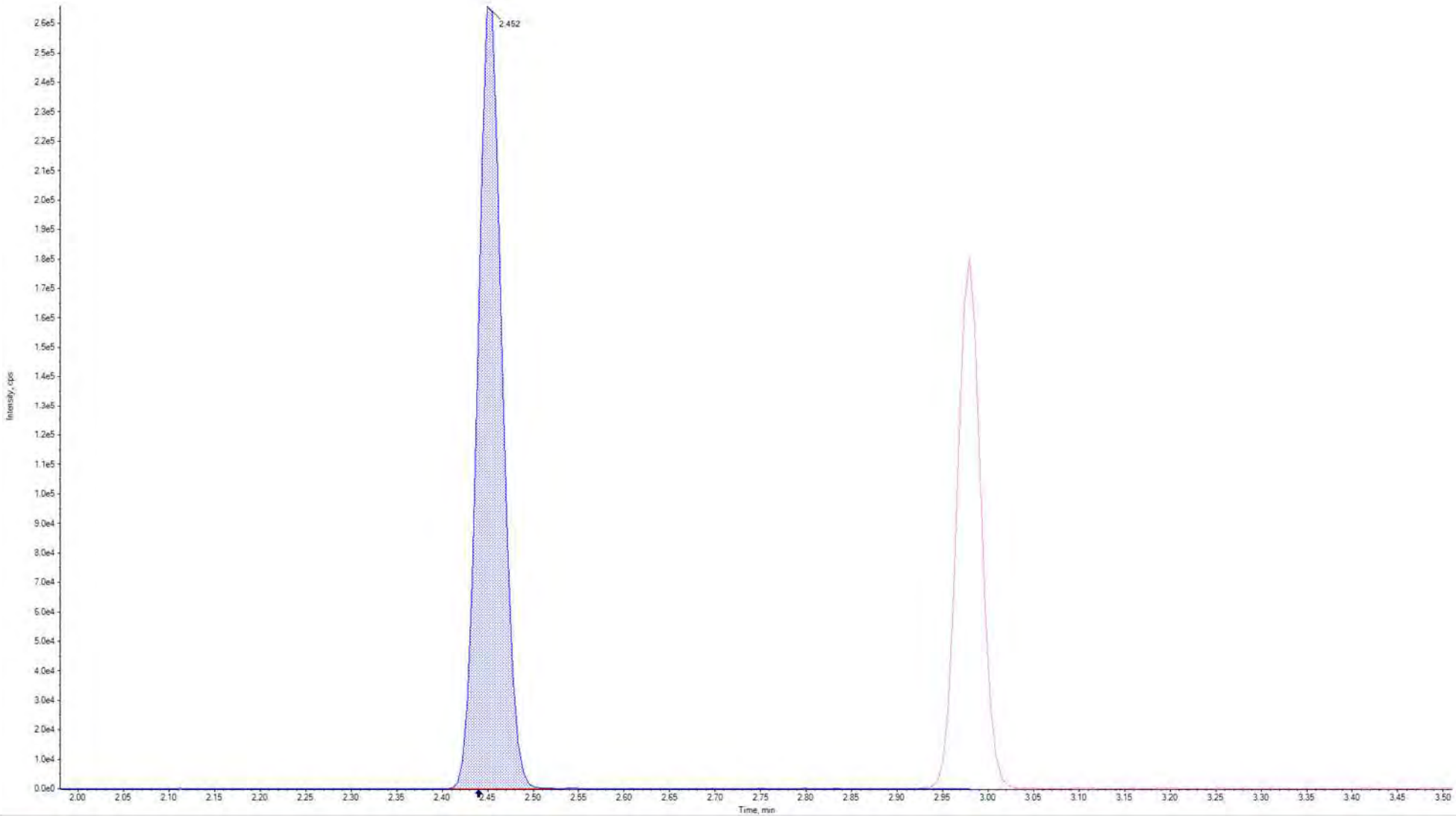
Last Altered: 11/12/2024 3:40:23 PM
Generated: 11/12/2024 3:31:45 PM

PFPeS_2
Sample: CA1633STD-10 S/N:5331.7 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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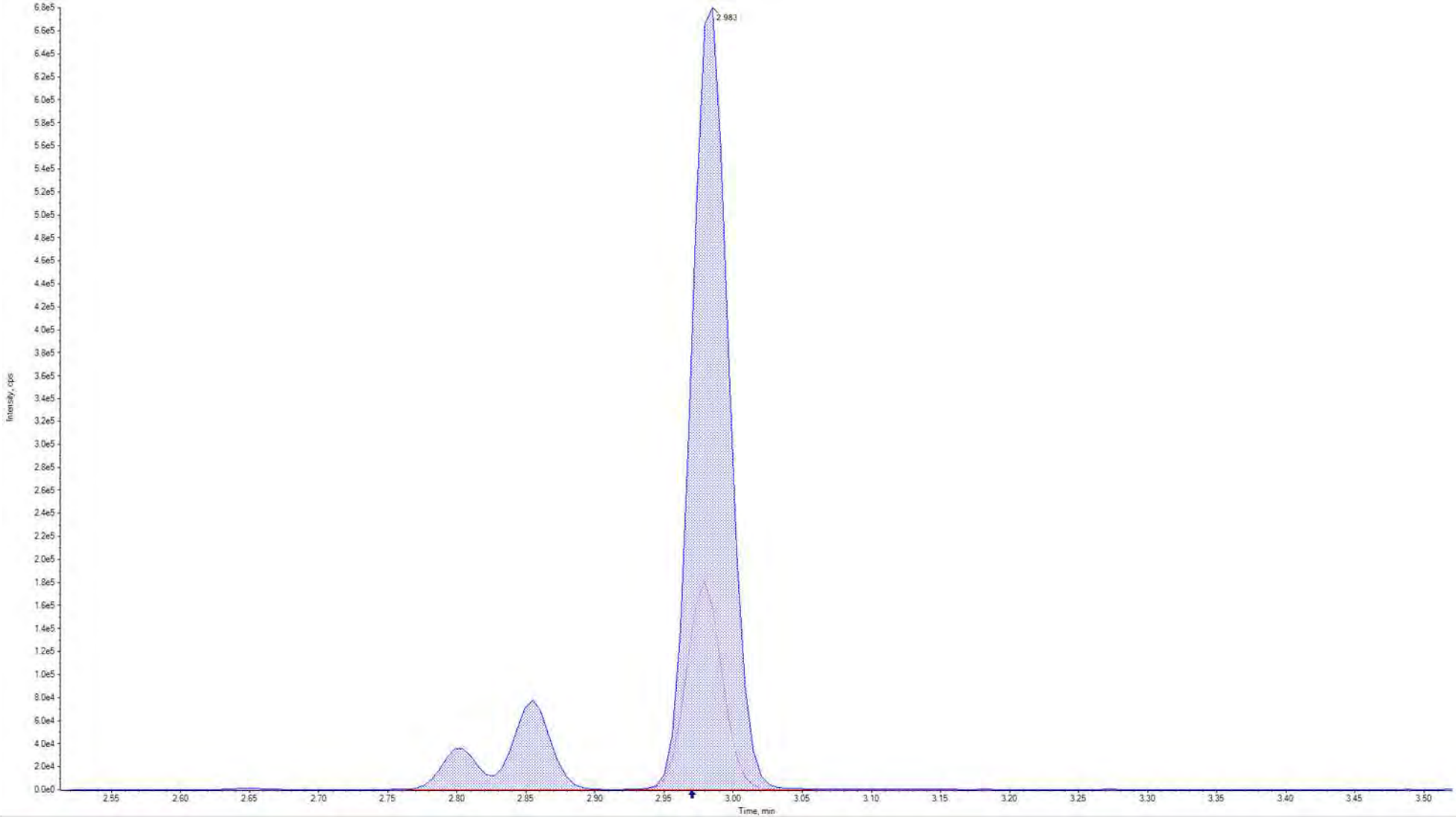
Last Altered: 11/12/2024 3:40:23 PM
Generated: 11/12/2024 3:31:45 PM

PFHxS
Sample: CA1633STD-10 S/N:1083.6 Points Across peak:52



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/12/2024 3:40:23 PM
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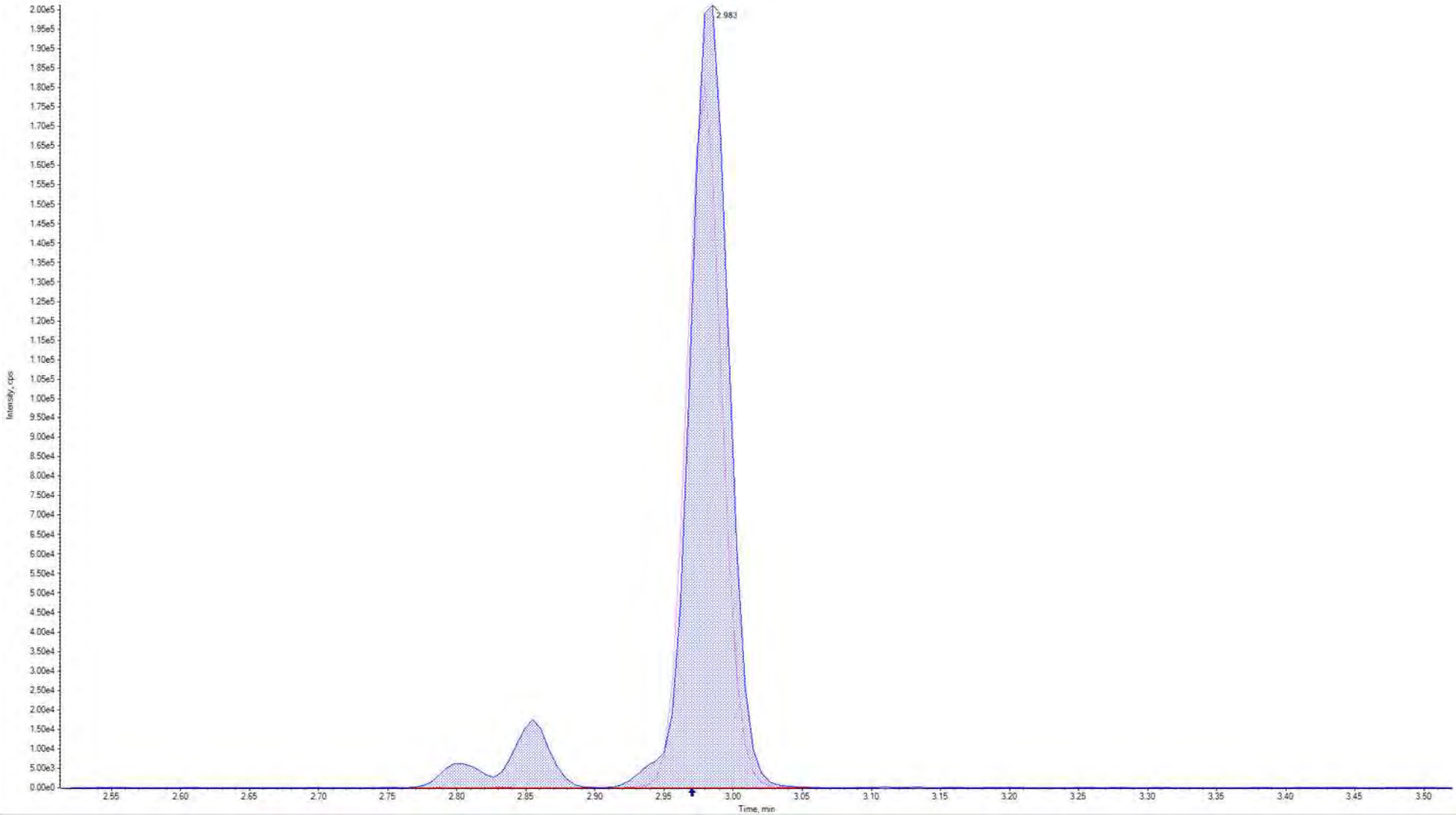
PFHxS_2
Sample: CA1633STD-10 S/N:2013.3 Points Across peak:51



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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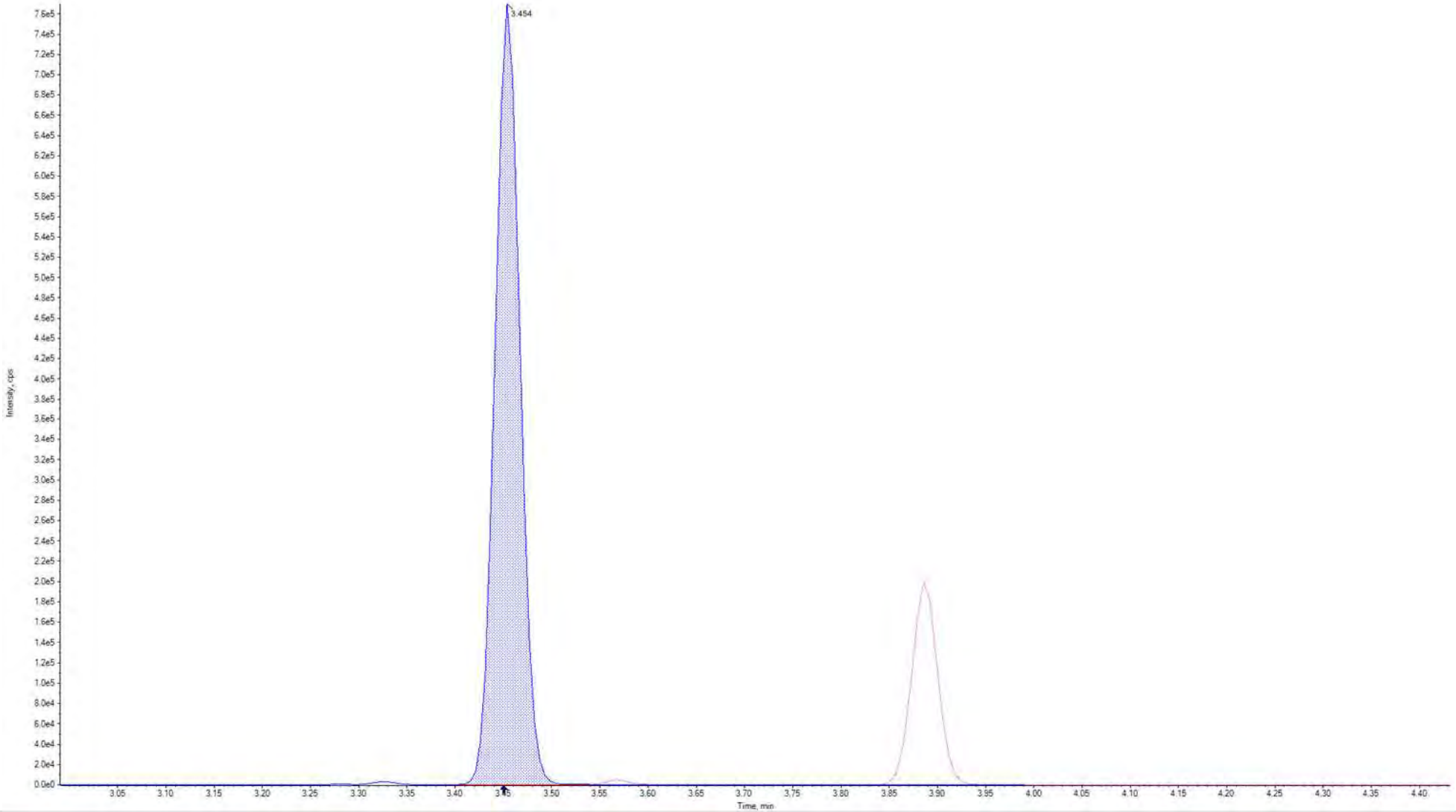
Last Altered: 11/12/2024 3:40:23 PM
Generated: 11/12/2024 3:31:45 PM

PFHpS
Sample: CA1633STD-10 S/N:14975.3 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/12/2024 3:40:23 PM
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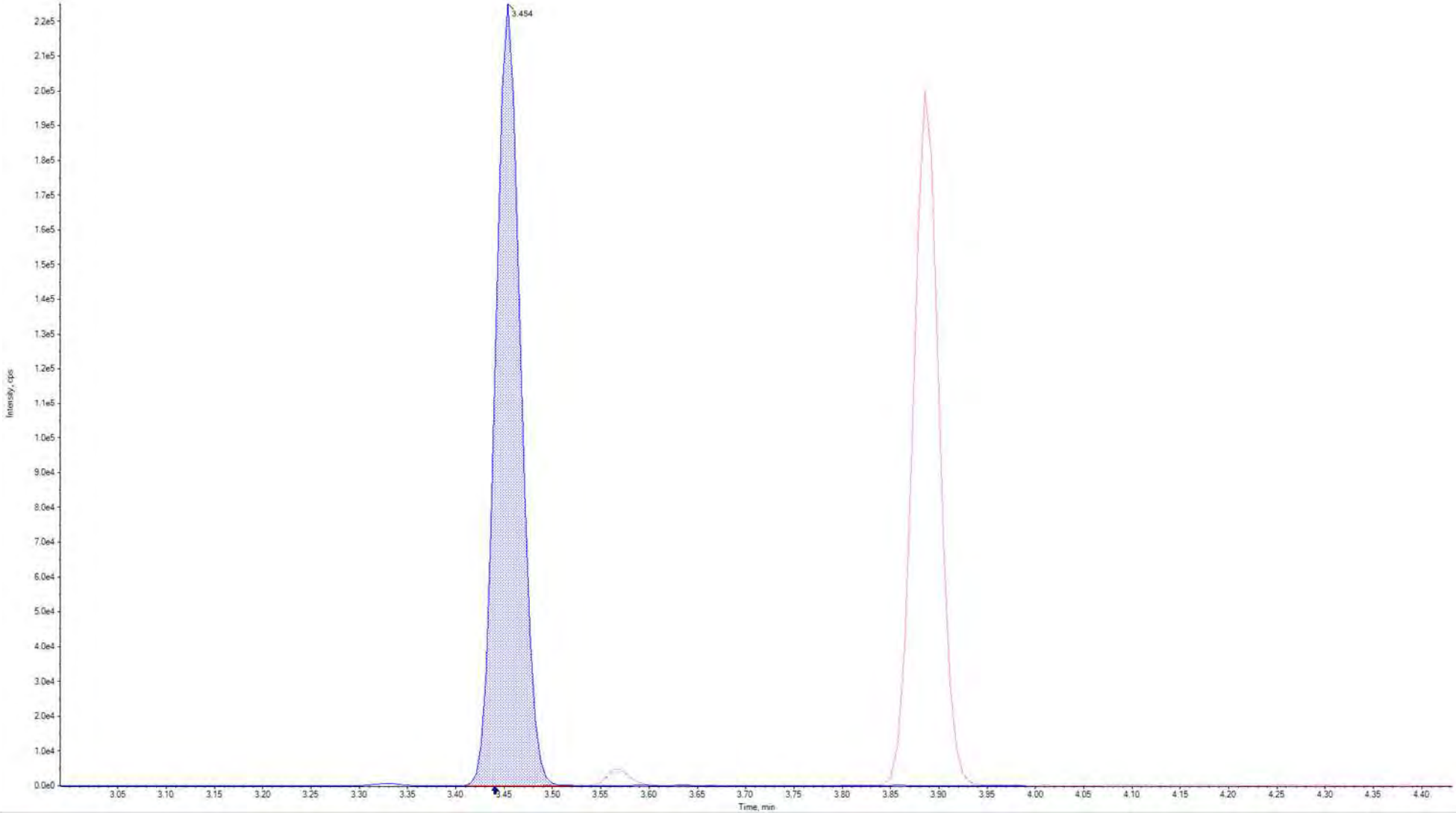
PFHpS_2
Sample: CA1633STD-10 S/N:4512.2 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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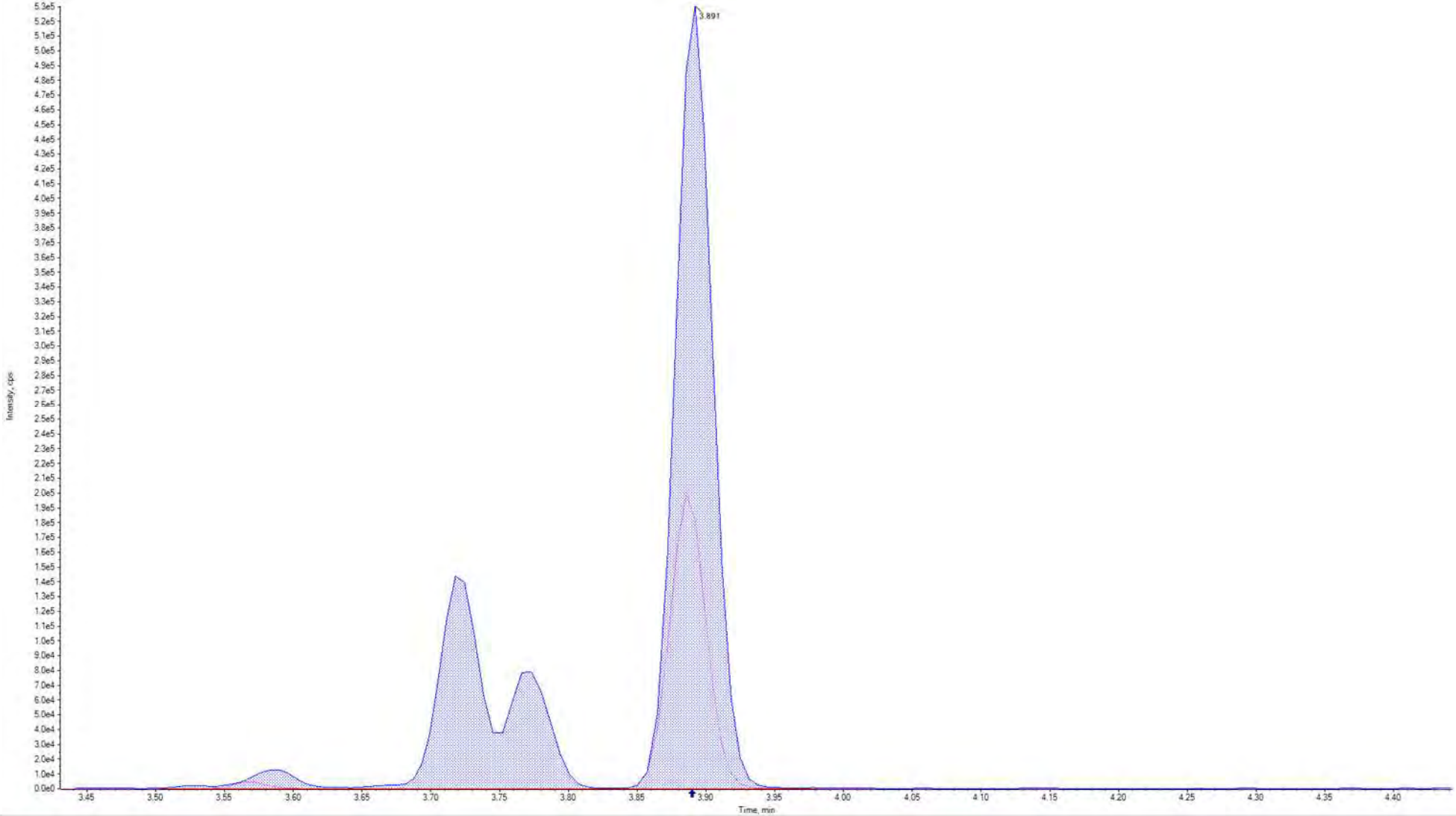
Generated: 11/12/2024 3:31:45 PM

PFOS
Sample: CA1633STD-10 S/N:352.6 Points Across peak:81



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/12/2024 3:40:23 PM
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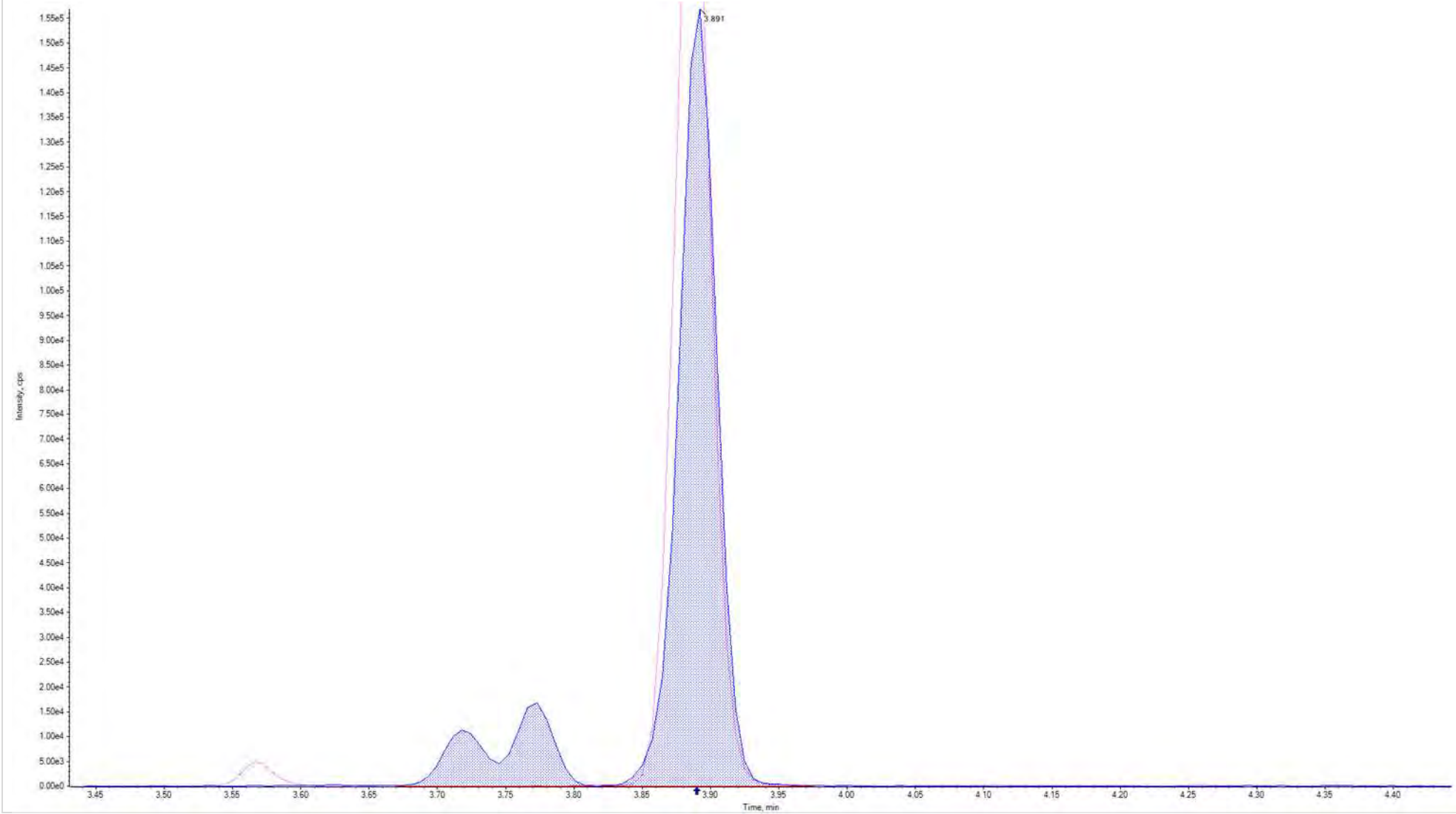
PFOS_2
Sample: CA1633STD-10 S/N:941.9 Points Across peak:48



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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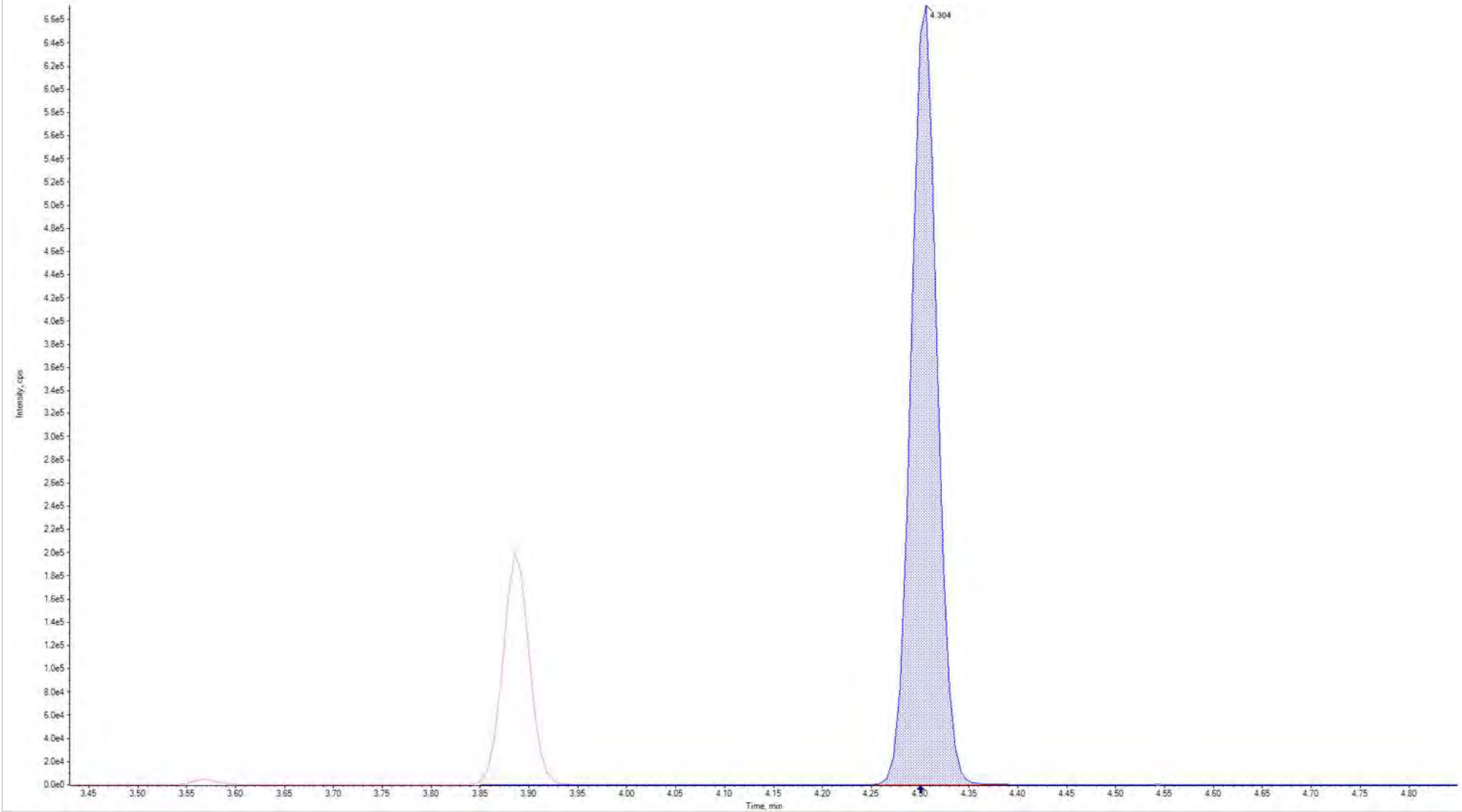
Last Altered: 11/12/2024 3:40:23 PM
Generated: 11/12/2024 3:31:45 PM

PFNS
Sample: CA1633STD-10 S/N:16851.1 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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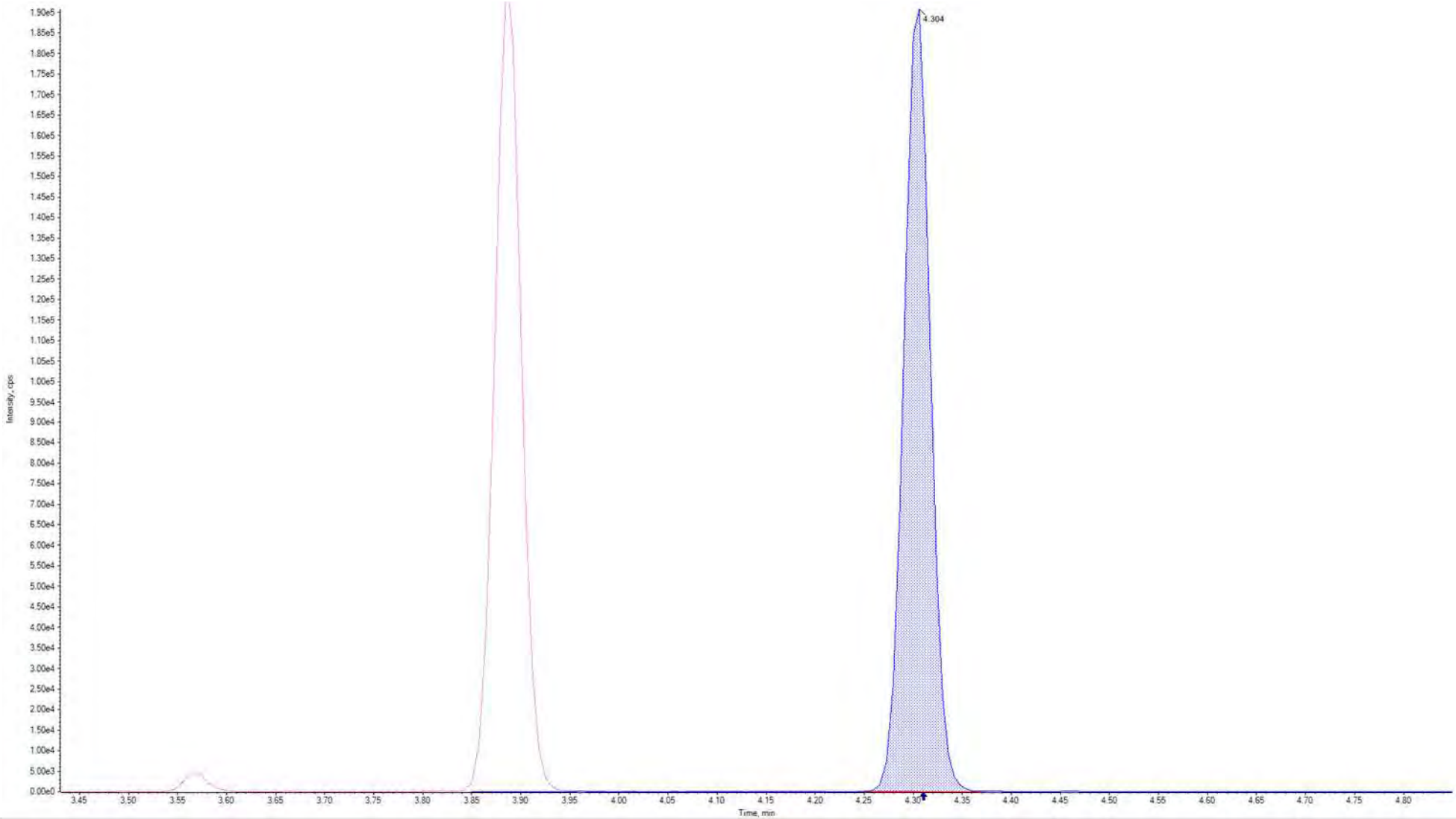
Last Altered: 11/12/2024 3:40:23 PM
Generated: 11/12/2024 3:31:45 PM

PFNS_2
Sample: CA1633STD-10 S/N:4782.9 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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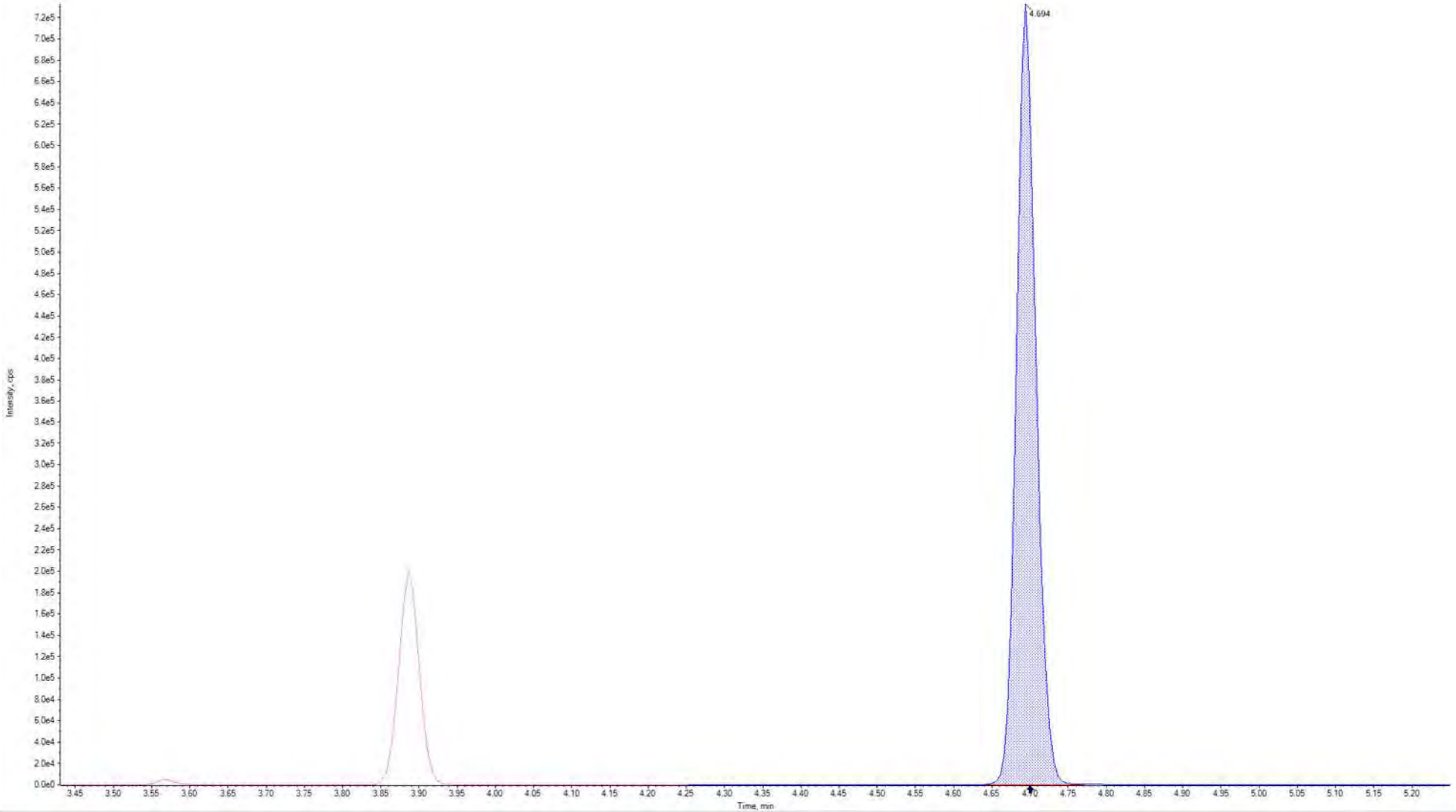
Last Altered: 11/12/2024 3:40:23 PM
Generated: 11/12/2024 3:31:45 PM

PFDS
Sample: CA1633STD-10 S/N:15424.0 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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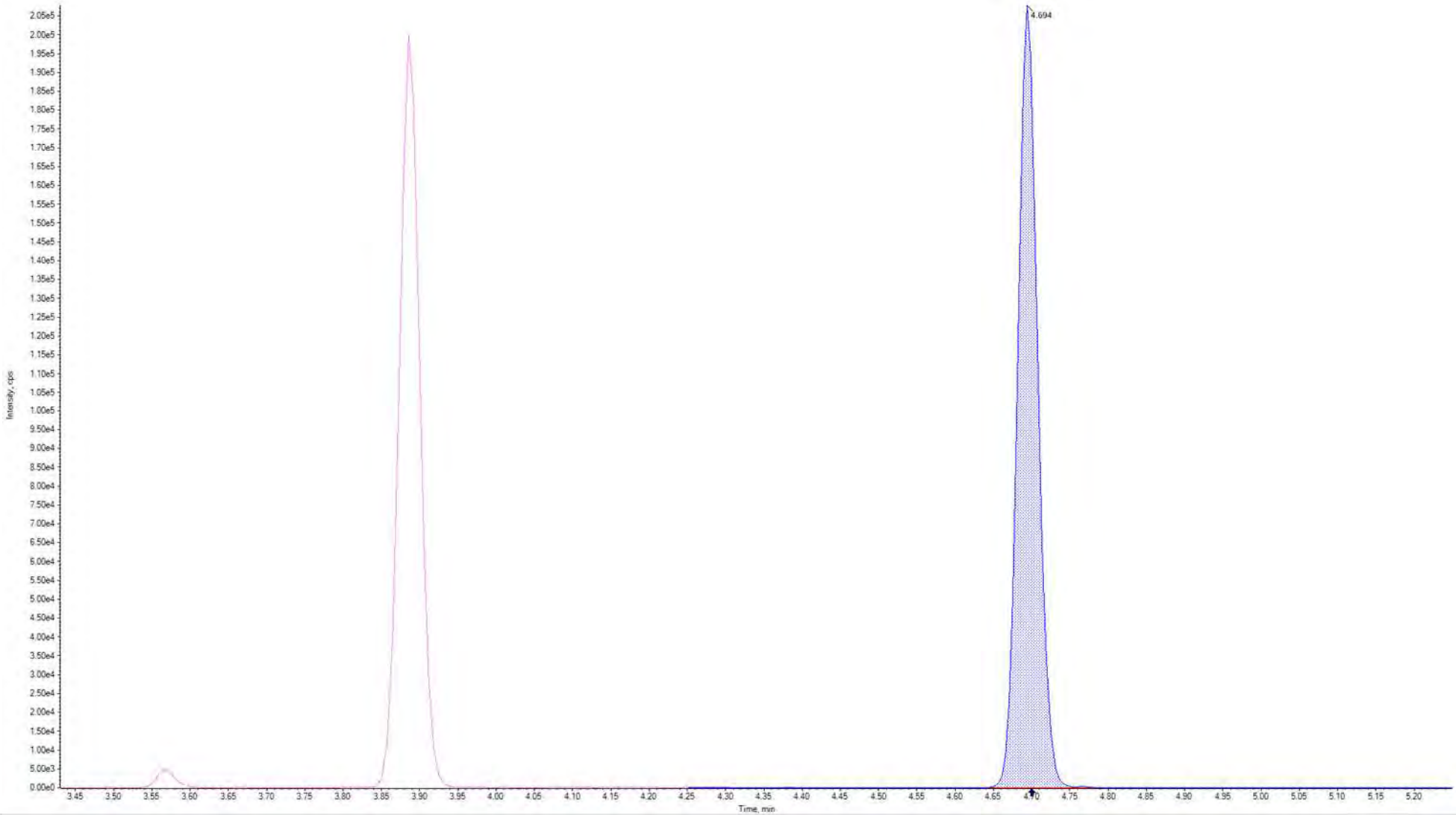
PFDS_2
Sample: CA1633STD-10 S/N:4459.4 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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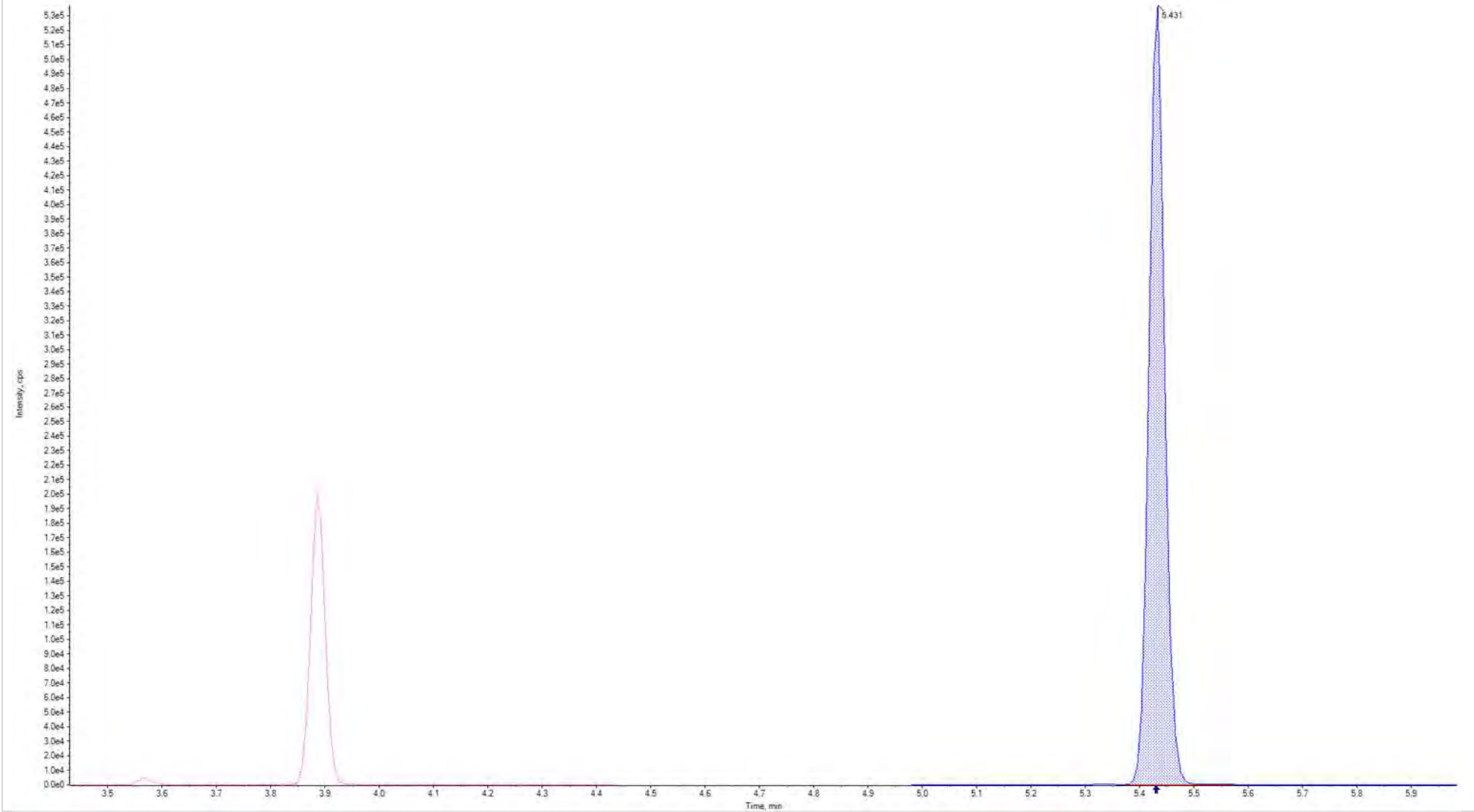
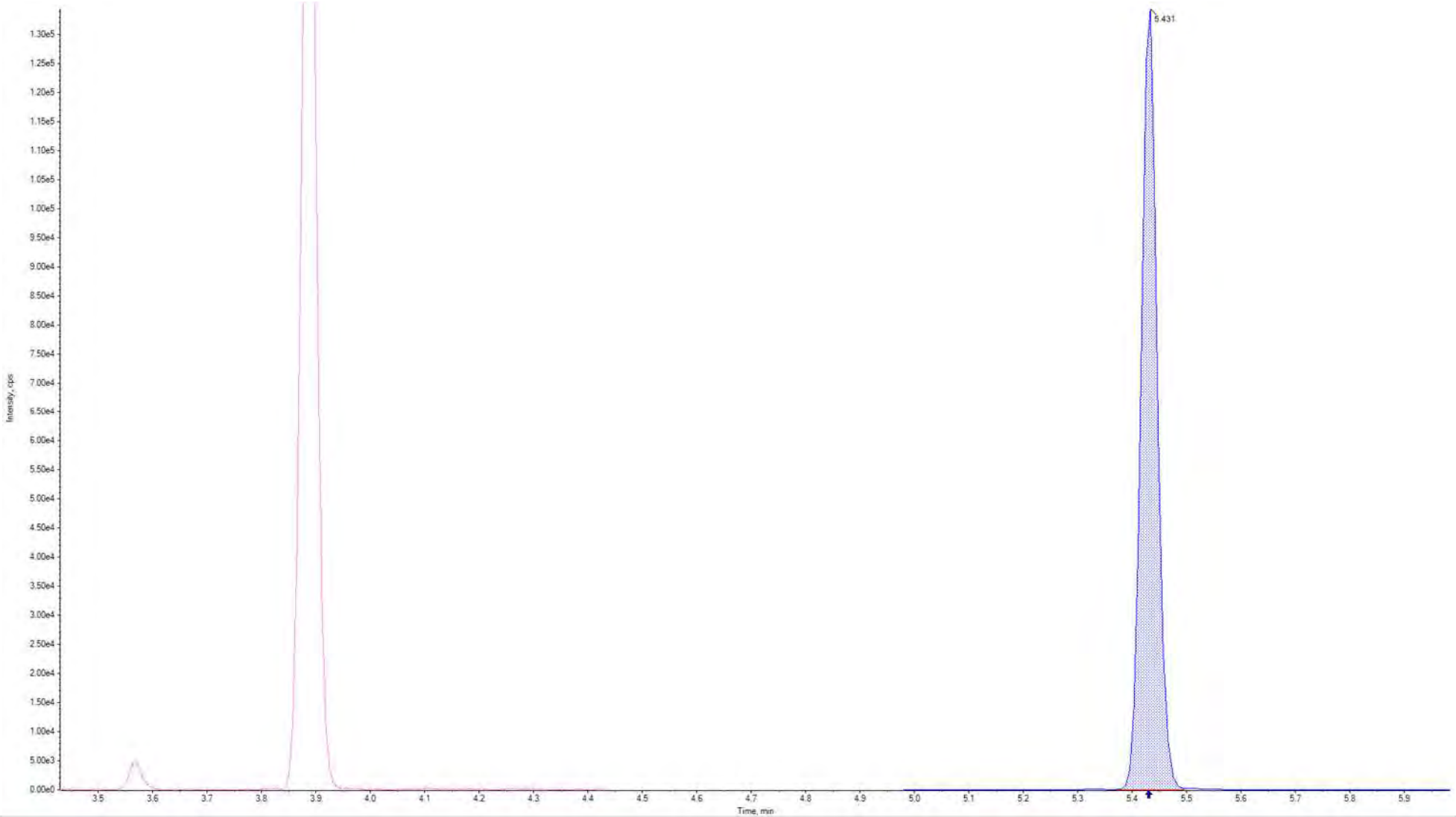
Last Altered: 11/12/2024 3:40:23 PM
Generated: 11/12/2024 3:31:45 PM

PFDoS
Sample: CA1633STD-10 S/N:9493.7 Points Across peak:28



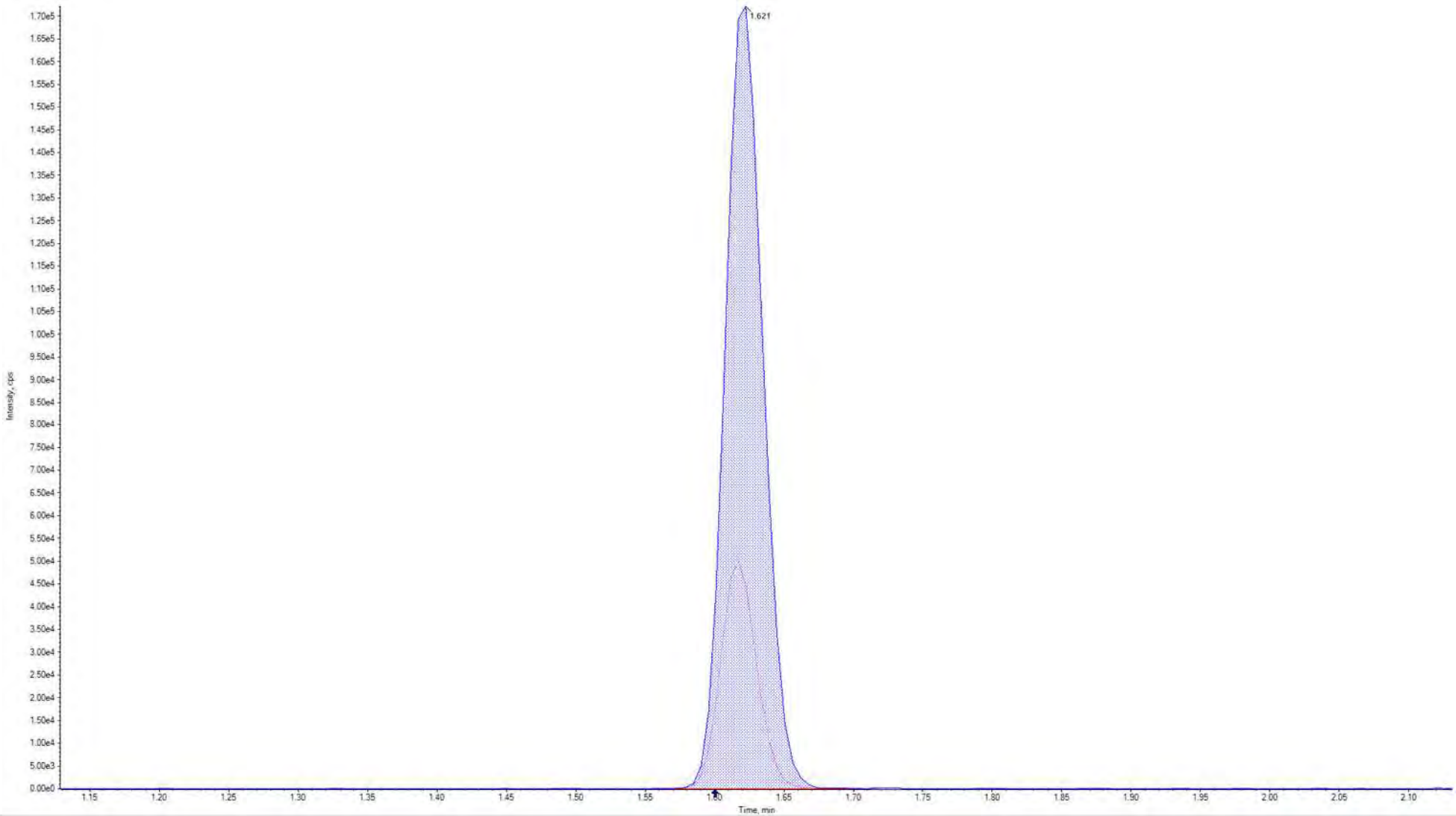
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_27.wiff2_4
Last Altered: 11/12/2024 3:40:23 PM
Generated: 11/12/2024 3:31:45 PM

PFDoS_2
Sample: CA1633STD-10 S/N:2726.1 Points Across peak:18



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_27.wiff2_4
Last Altered: 11/12/2024 3:40:23 PM
Generated: 11/12/2024 3:31:45 PM

4:2FTS
Sample: CA1633STD-10 S/N:6475.3 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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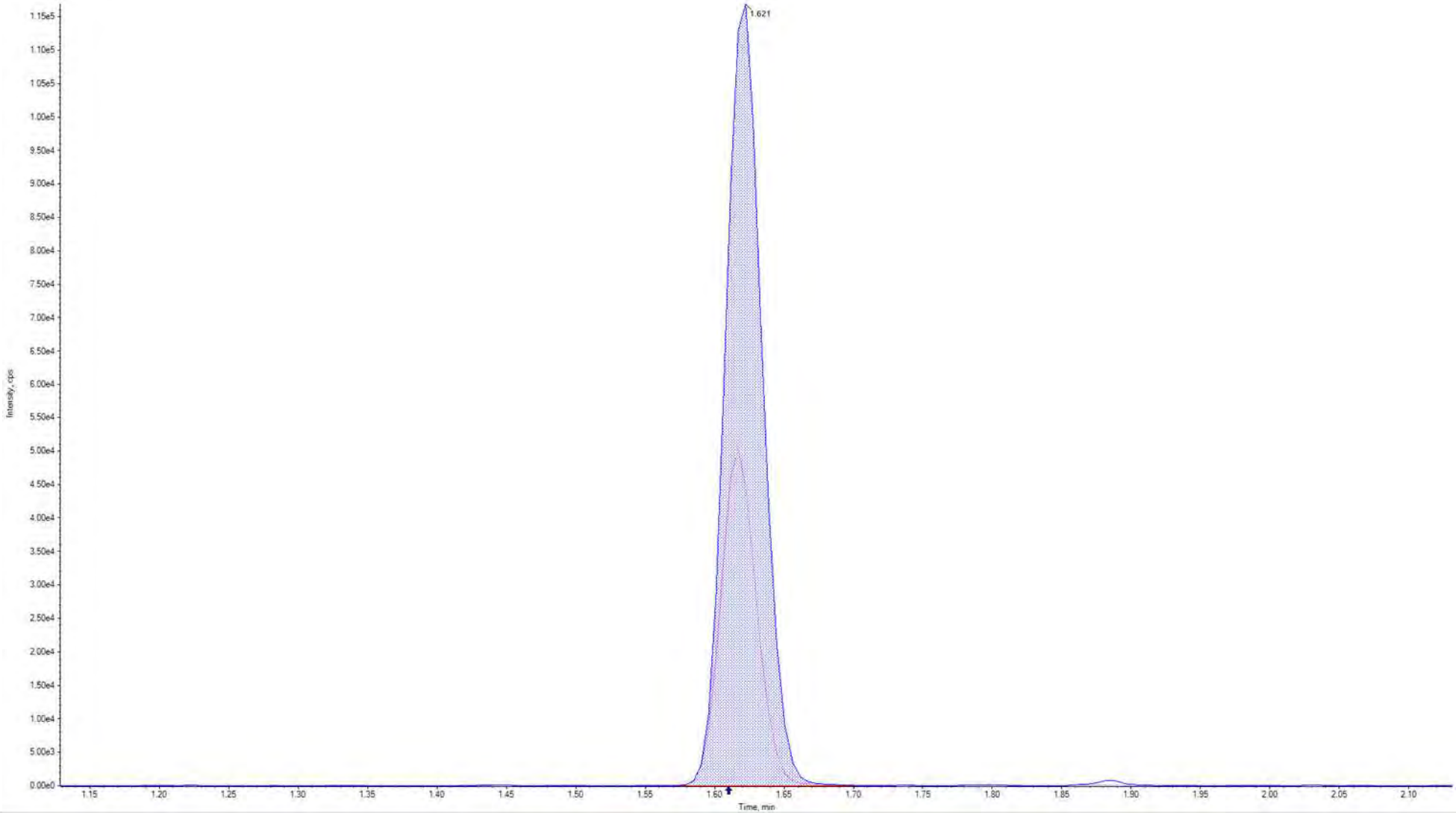
Generated: 11/12/2024 3:31:45 PM

4:2FTS_2
Sample: CA1633STD-10 S/N:4395.2 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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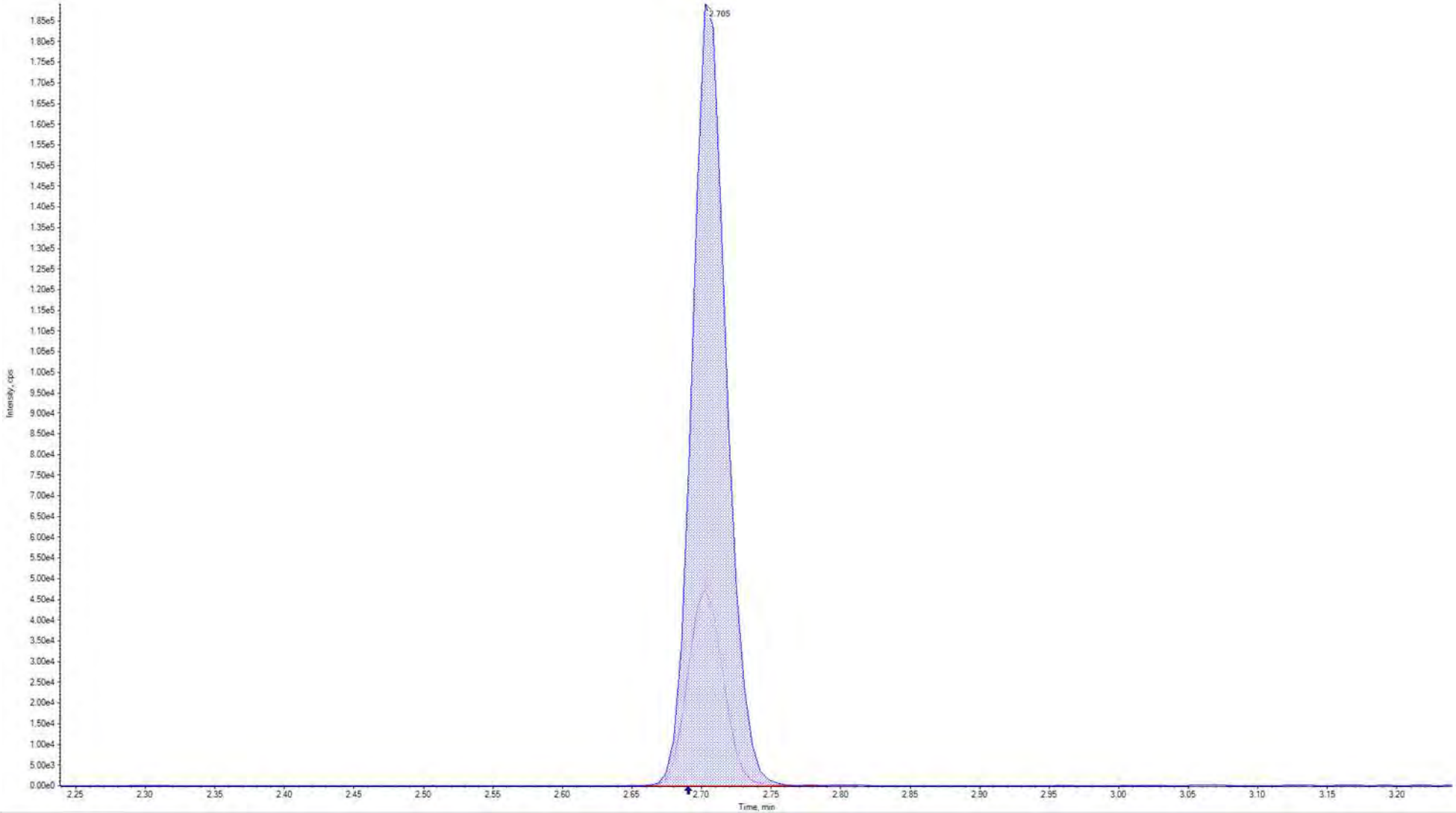
Last Altered: 11/12/2024 3:40:23 PM
Generated: 11/12/2024 3:31:45 PM

6:2FTS
Sample: CA1633STD-10 S/N:3792.2 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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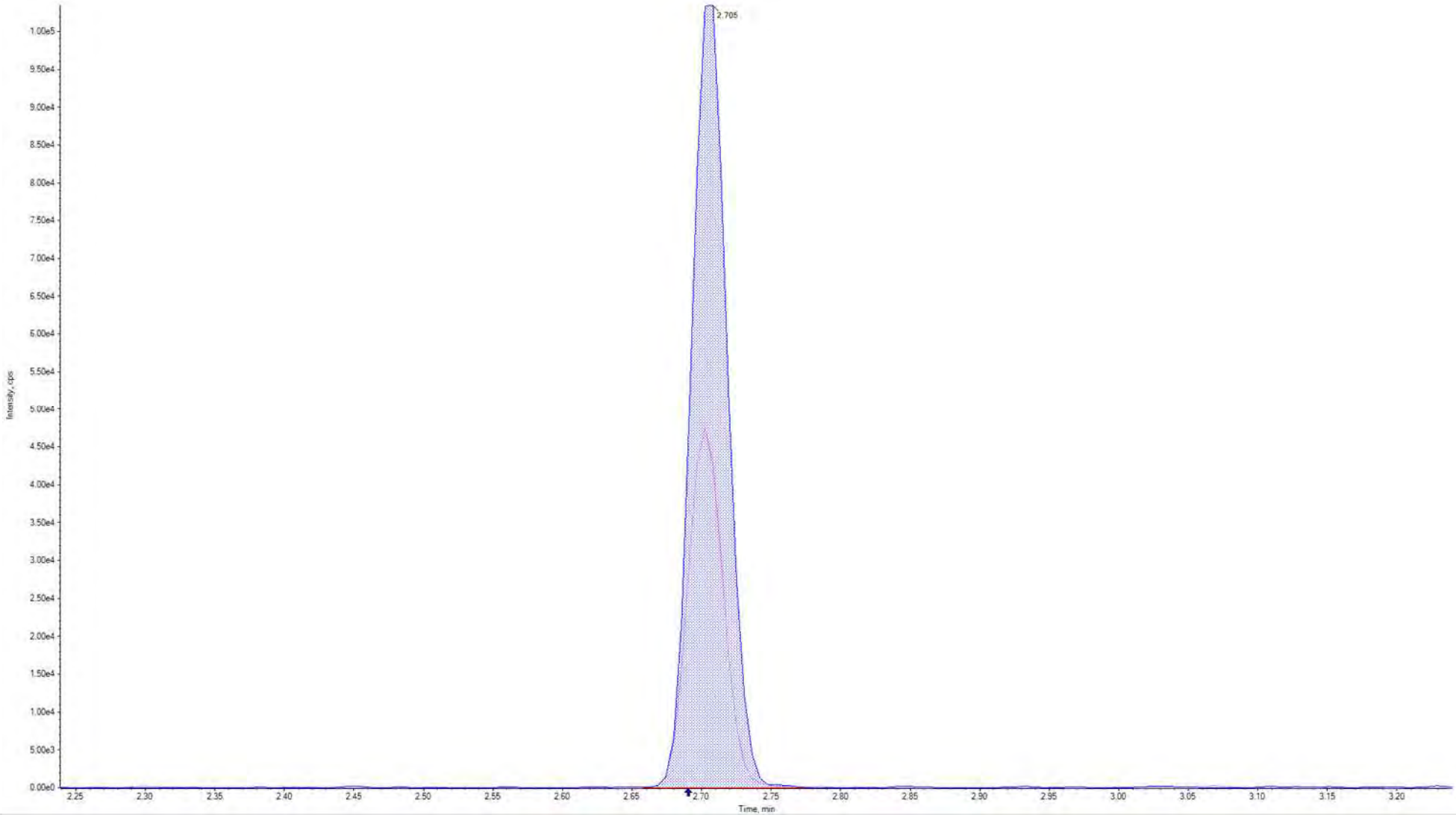
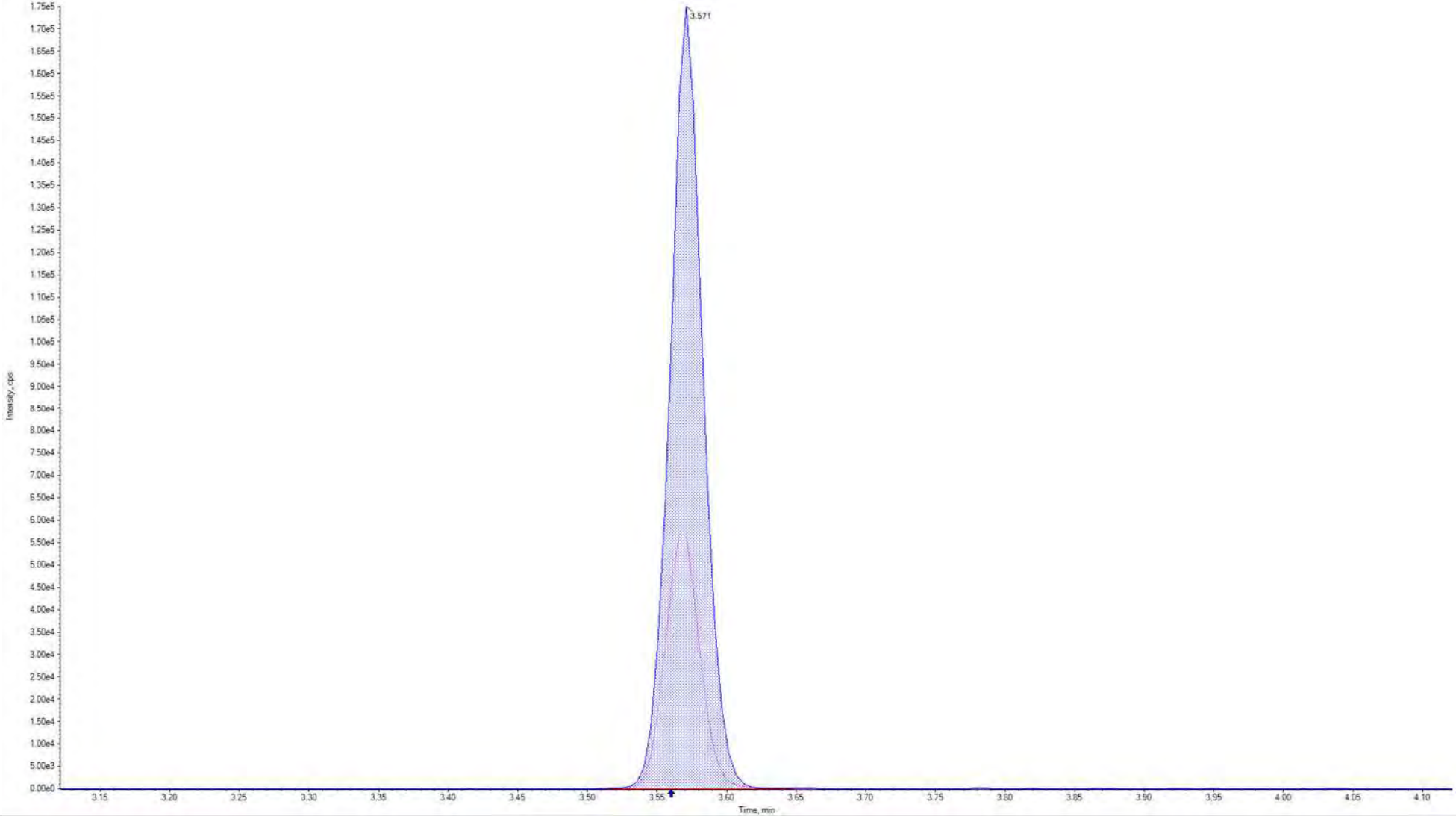
Last Altered: 11/12/2024 3:40:23 PM
Generated: 11/12/2024 3:31:45 PM

6:2FTS_2
Sample: CA1633STD-10 S/N:2074.2 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_27.wiff2_4
Last Altered: 11/12/2024 3:40:23 PM
Generated: 11/12/2024 3:31:45 PM

8:2FTS
Sample: CA1633STD-10 S/N:3511.1 Points Across peak:35



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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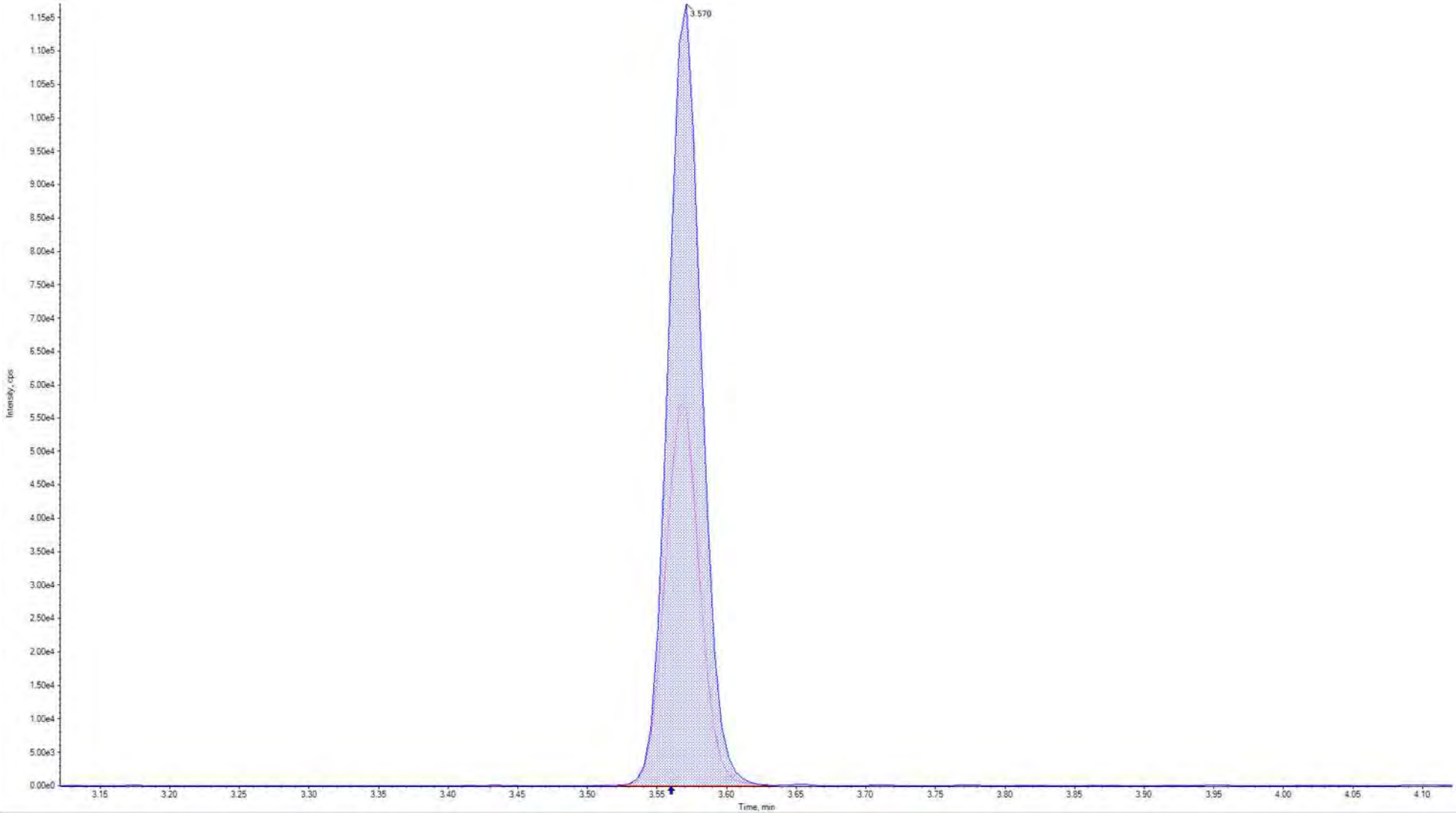
Last Altered: 11/12/2024 3:40:23 PM
Generated: 11/12/2024 3:31:45 PM

8:2FTS_2
Sample: CA1633STD-10 S/N:2347.2 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/12/2024 3:40:23 PM
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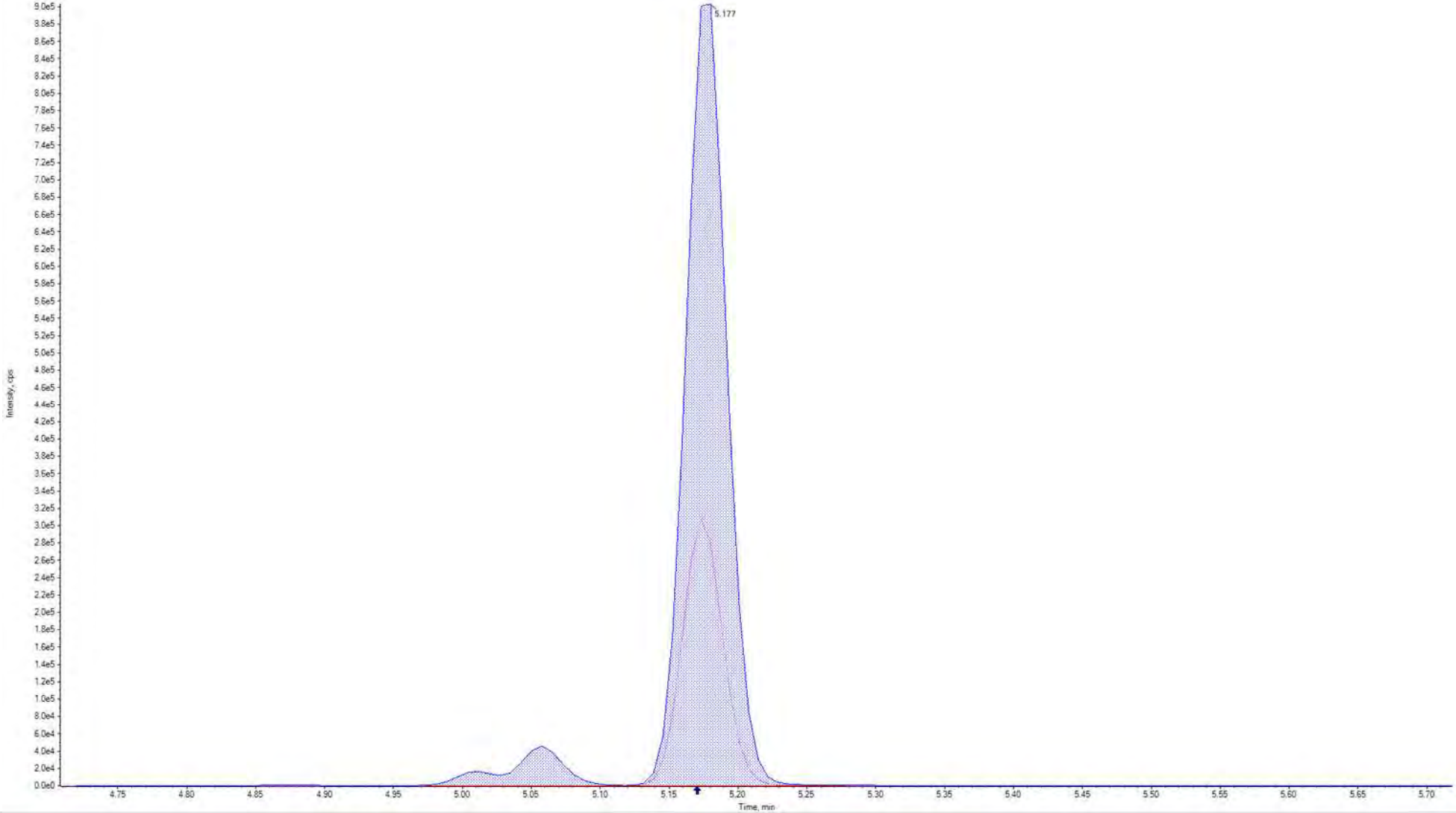
PFOSA
Sample: CA1633STD-10 S/N:1311.3 Points Across peak:44



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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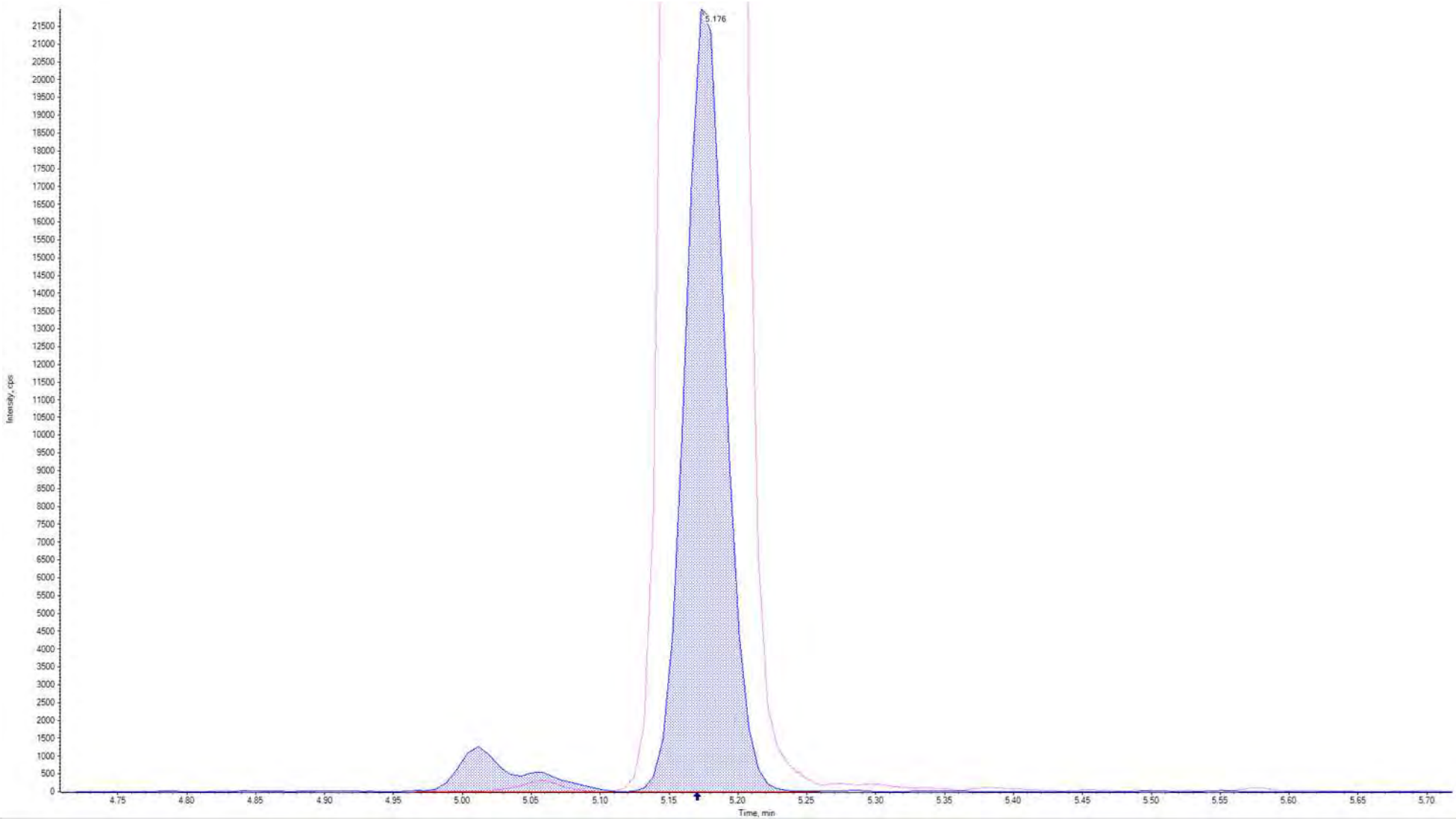
Last Altered: 11/12/2024 3:40:23 PM
Generated: 11/12/2024 3:31:45 PM

PFOSA_2
Sample: CA1633STD-10 S/N:983.1 Points Across peak:42



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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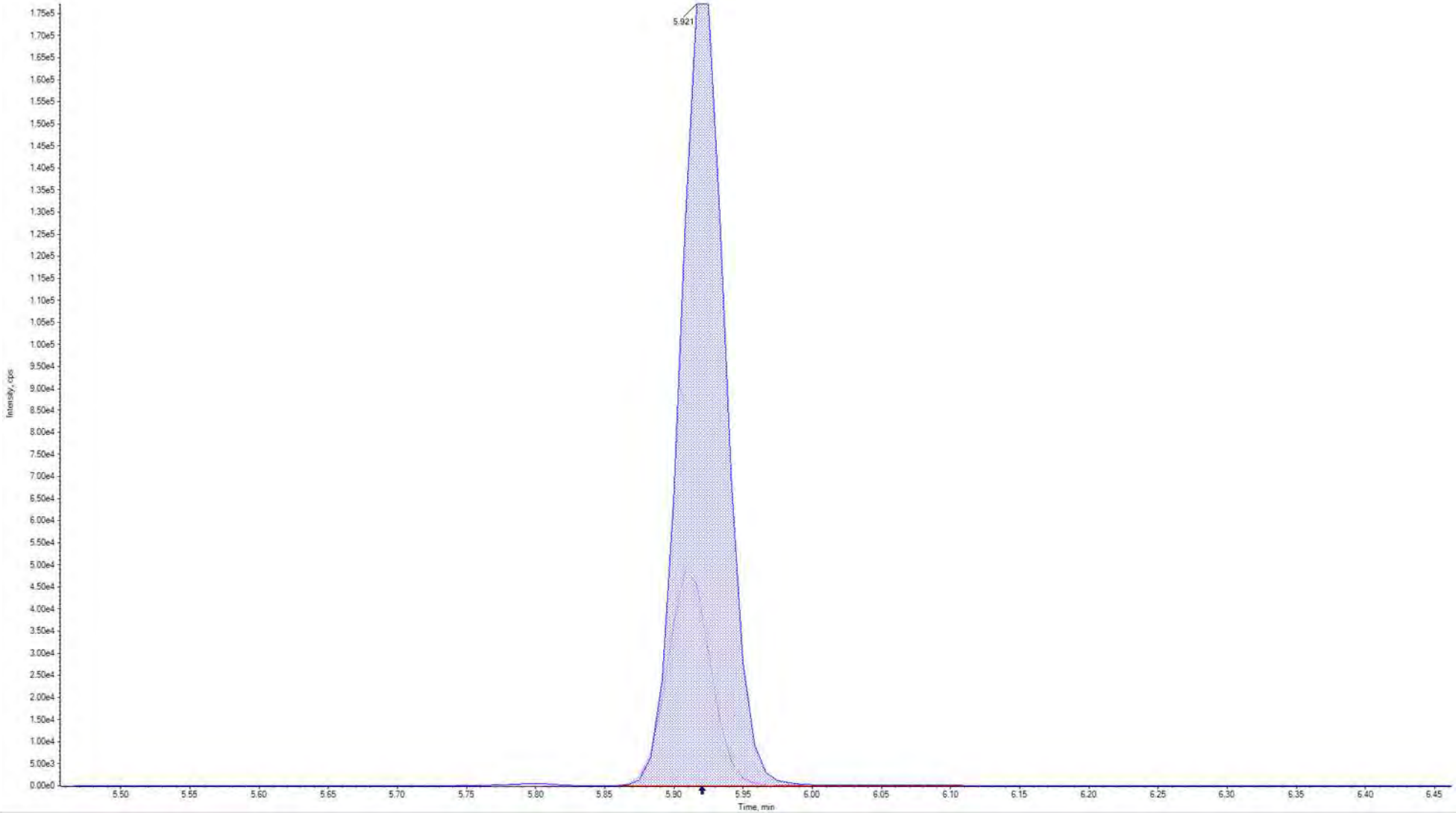
Last Altered: 11/12/2024 3:40:23 PM
Generated: 11/12/2024 3:31:45 PM

NMeFOSA
Sample: CA1633STD-10 S/N:1614.4 Points Across peak:37



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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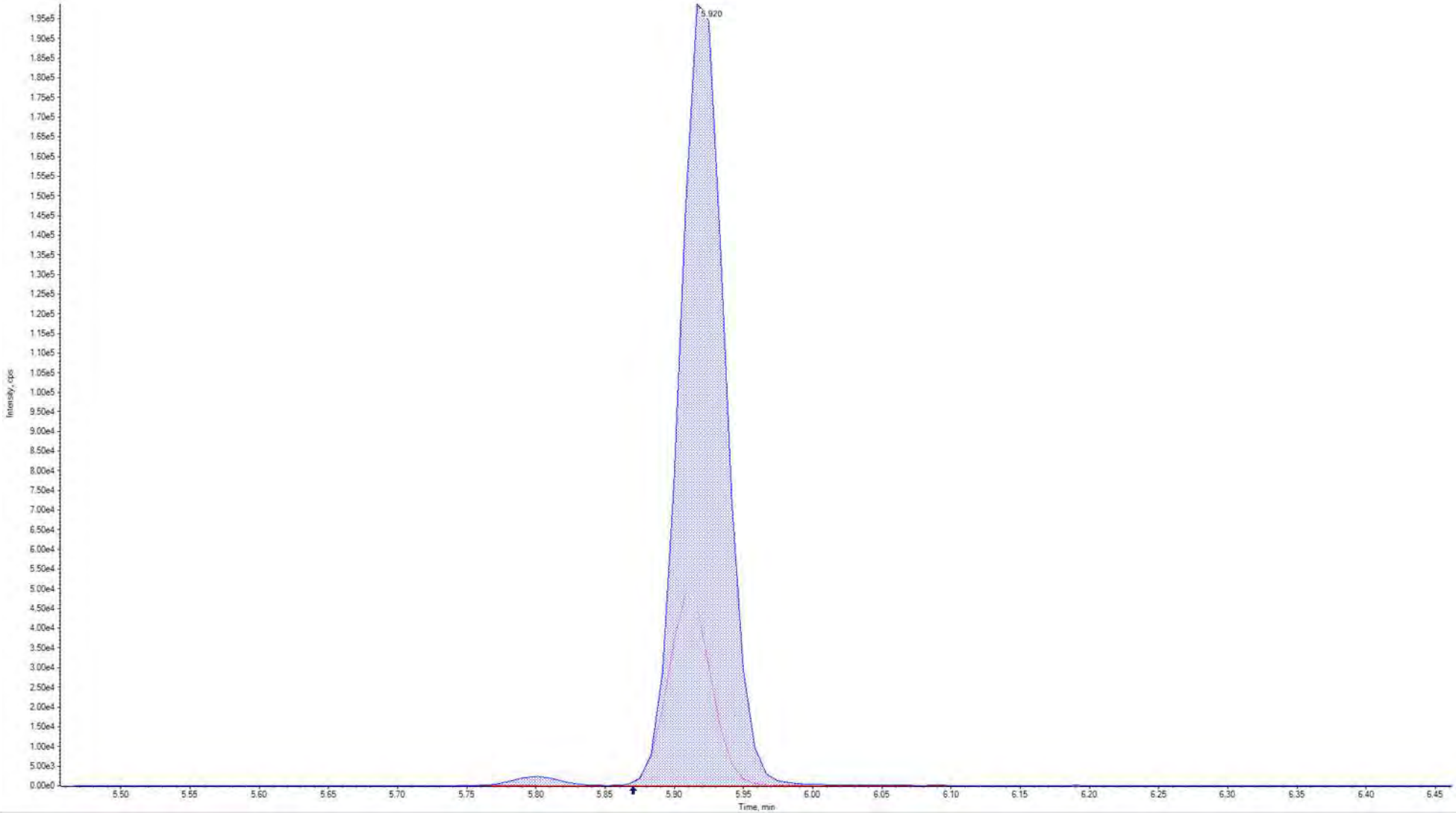
Last Altered: 11/12/2024 3:40:23 PM
Generated: 11/12/2024 3:31:45 PM

NMeFOSA_2
Sample: CA1633STD-10 S/N:1417.7 Points Across peak:49



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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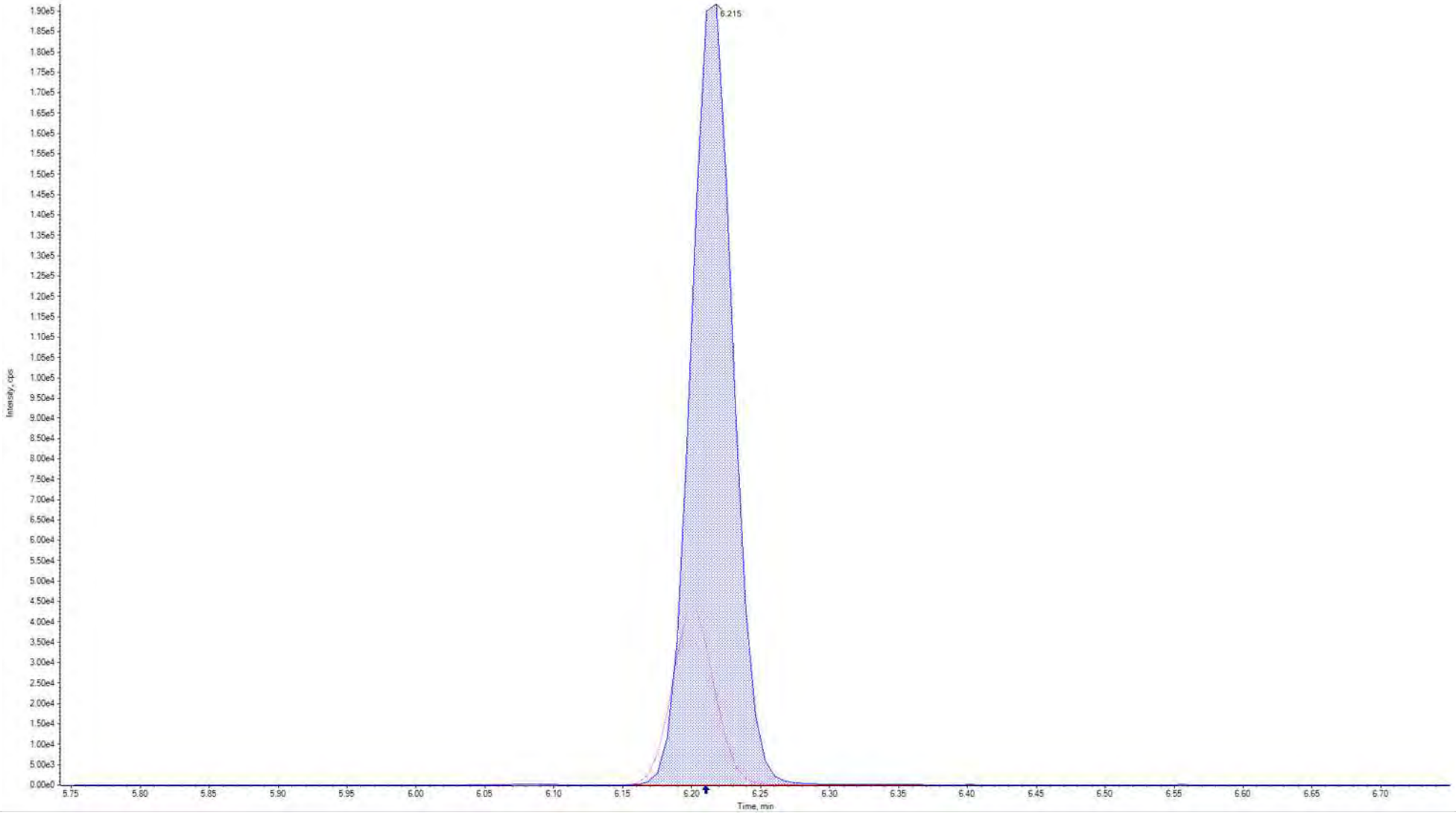
Last Altered: 11/12/2024 3:40:23 PM
Generated: 11/12/2024 3:31:45 PM

NEtFOSA
Sample: CA1633STD-10 S/N:3606.7 Points Across peak:43



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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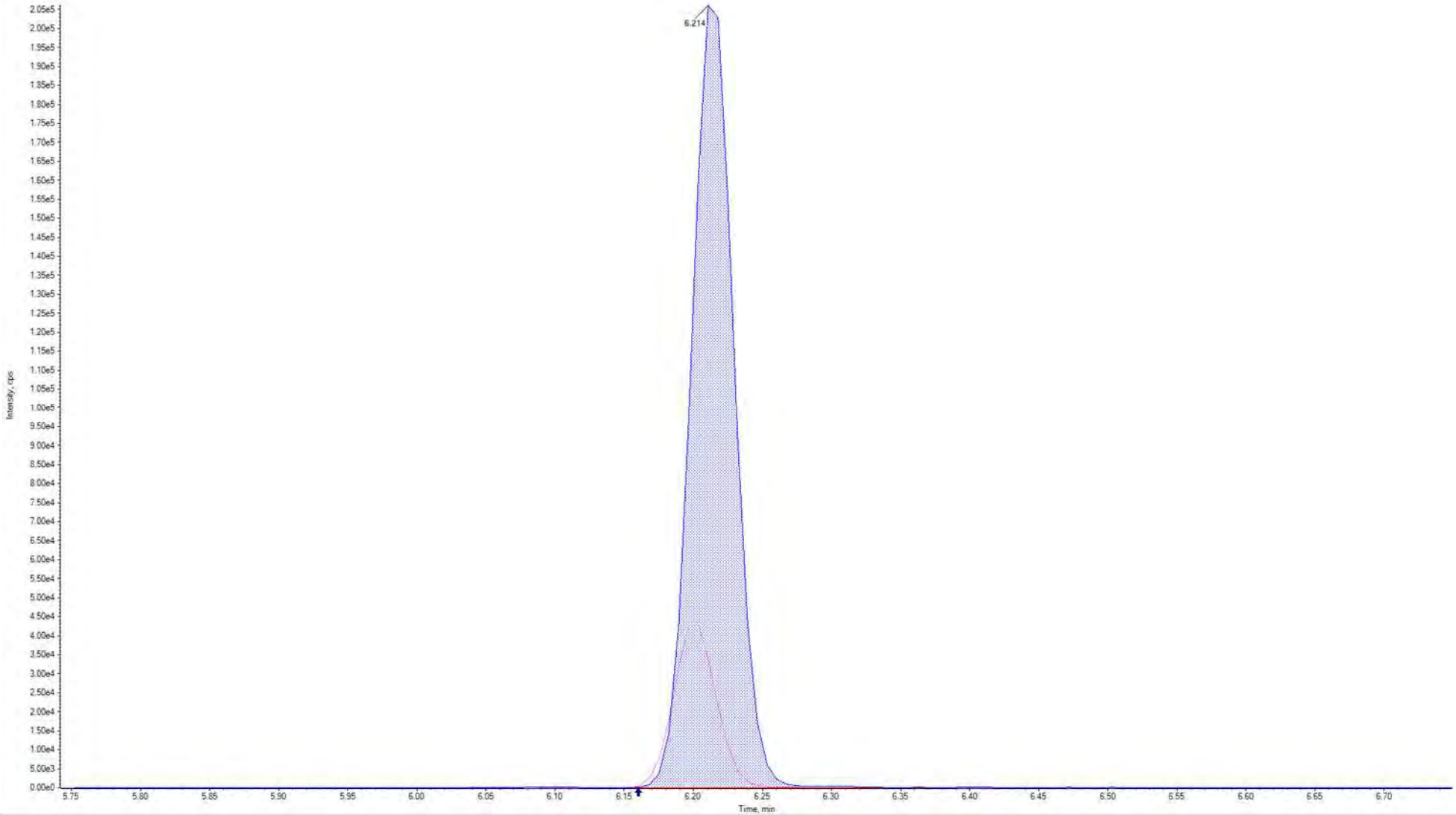
Last Altered: 11/12/2024 3:40:23 PM
Generated: 11/12/2024 3:31:45 PM

NEtFOSA_2
Sample: CA1633STD-10 S/N:2969.8 Points Across peak:37



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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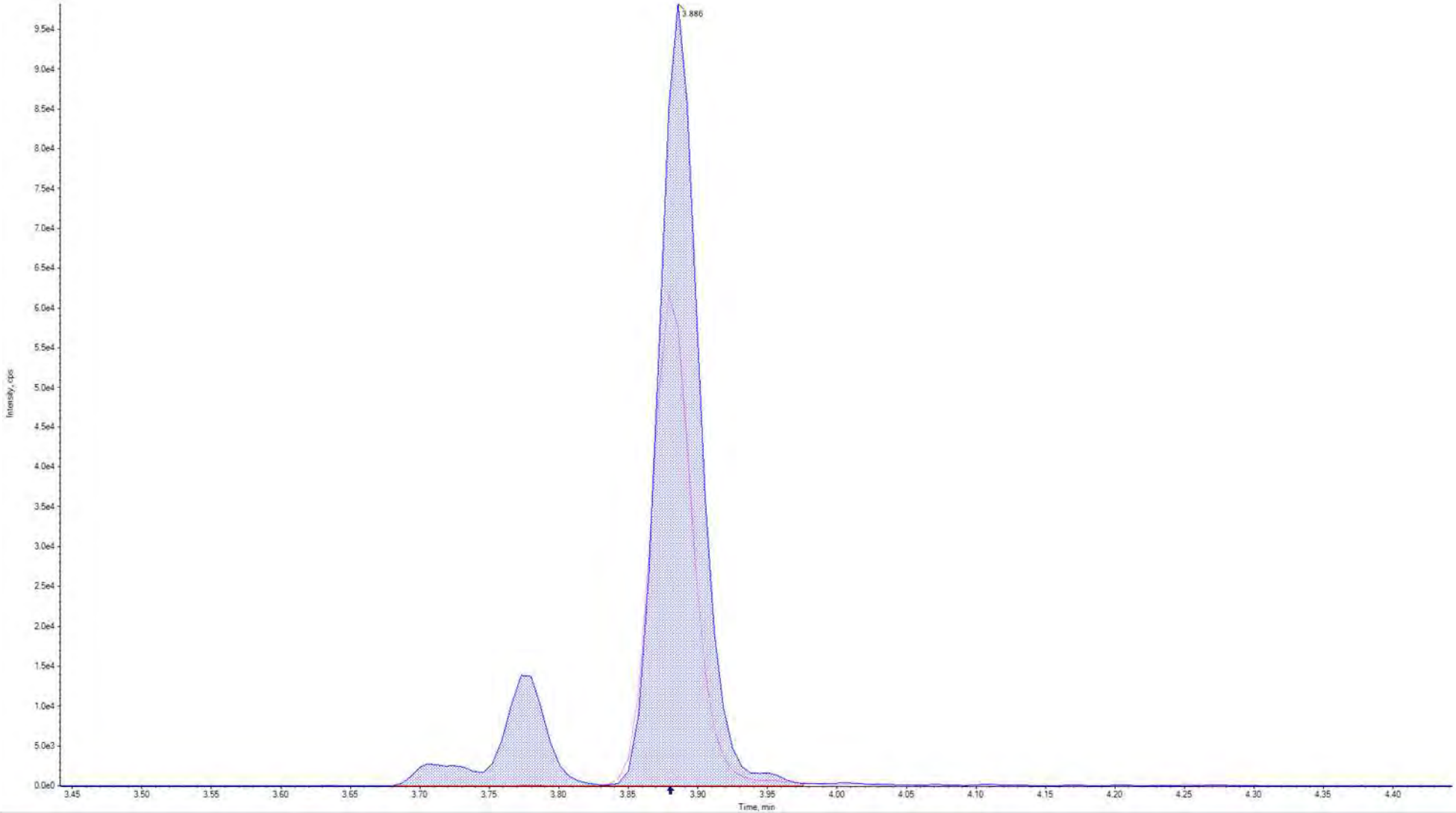
Last Altered: 11/12/2024 3:40:23 PM
Generated: 11/12/2024 3:31:45 PM

NMeFOSAA
Sample: CA1633STD-10 S/N:539.2 Points Across peak:46



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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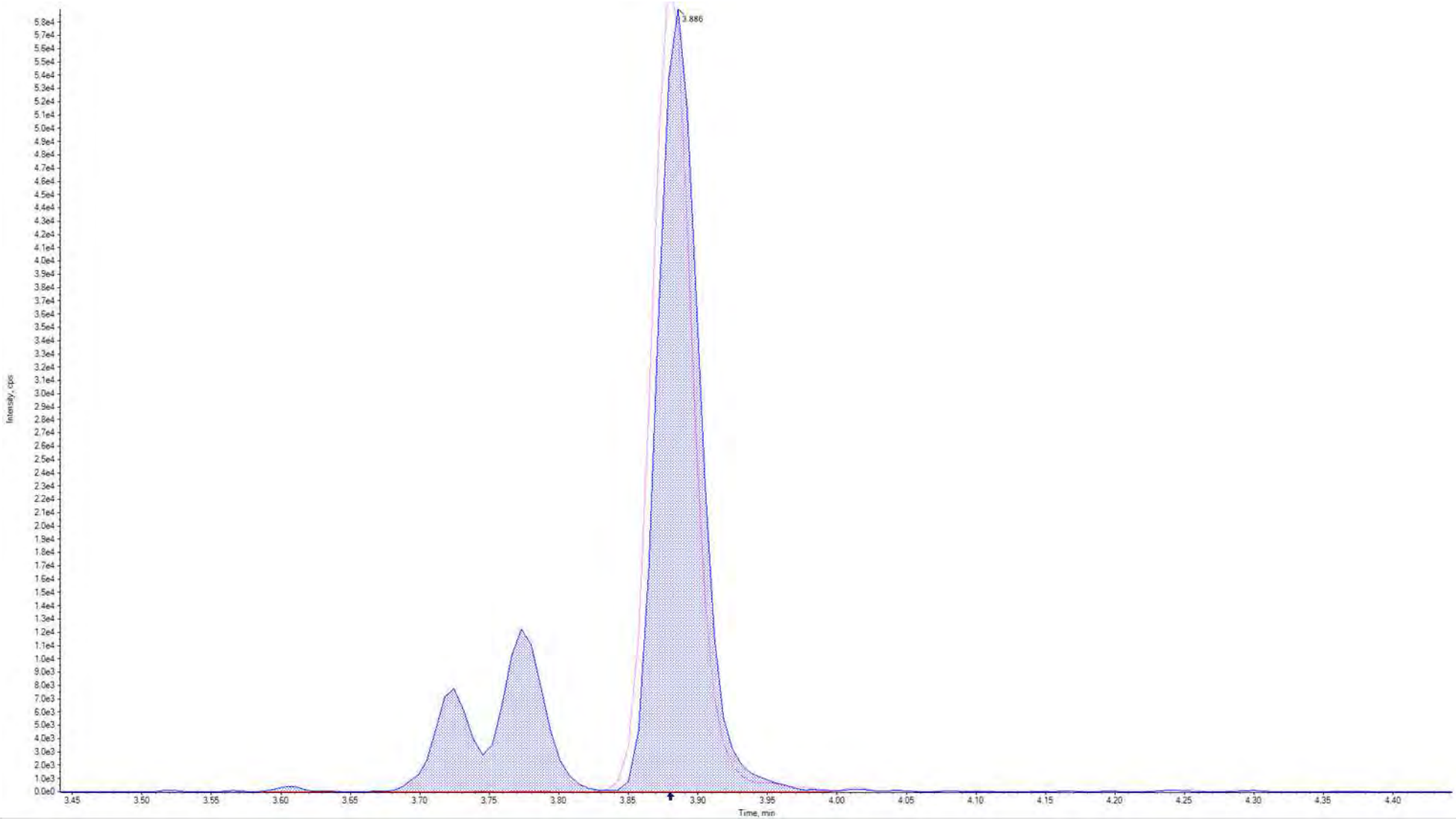
Last Altered: 11/12/2024 3:40:23 PM
Generated: 11/12/2024 3:31:45 PM

NMeFOSAA_2
Sample: CA1633STD-10 S/N:477.2 Points Across peak:66



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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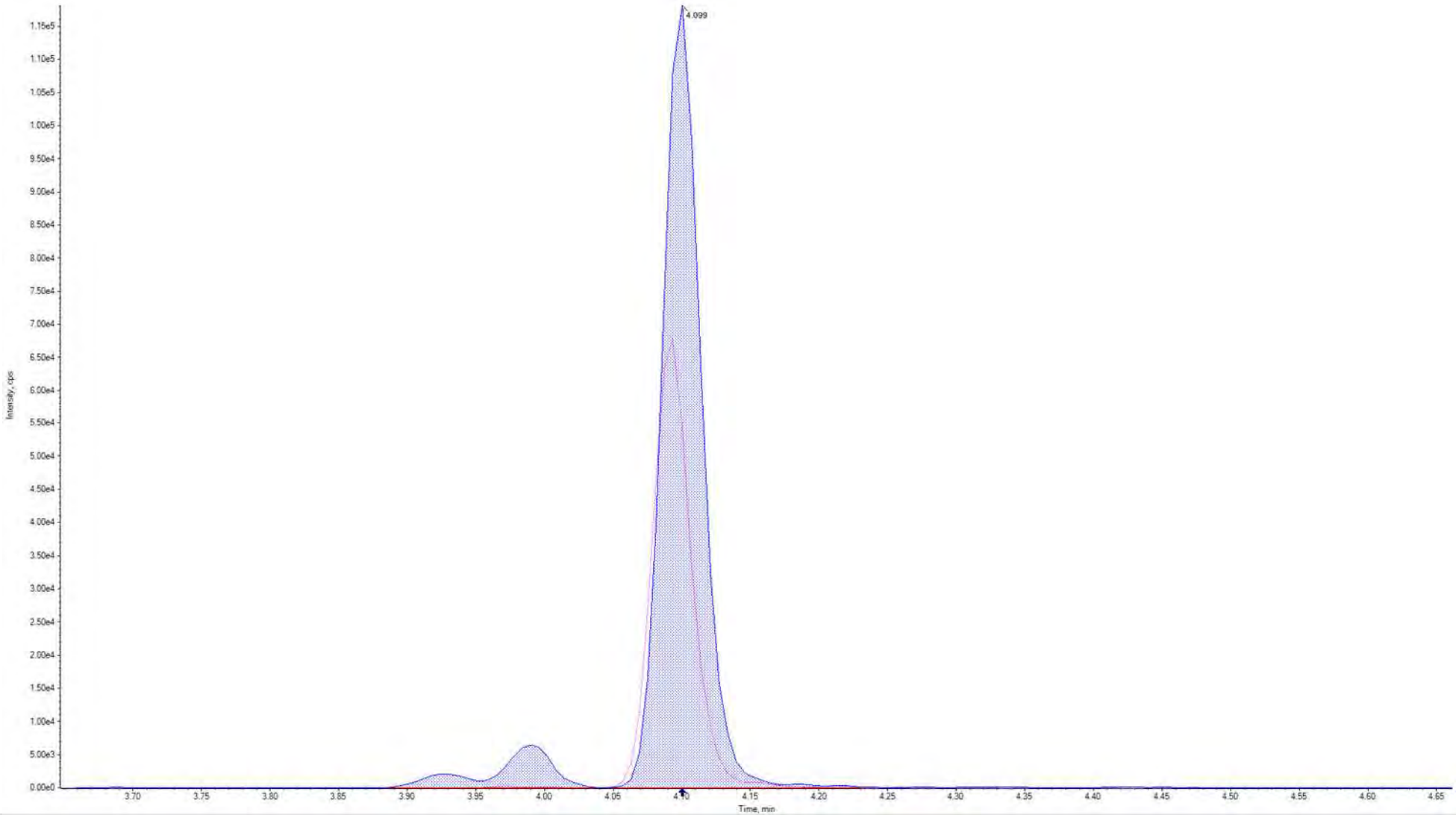
Last Altered: 11/12/2024 3:40:23 PM
Generated: 11/12/2024 3:31:45 PM

NEtFOSAA
Sample: CA1633STD-10 S/N:972.9 Points Across peak:57



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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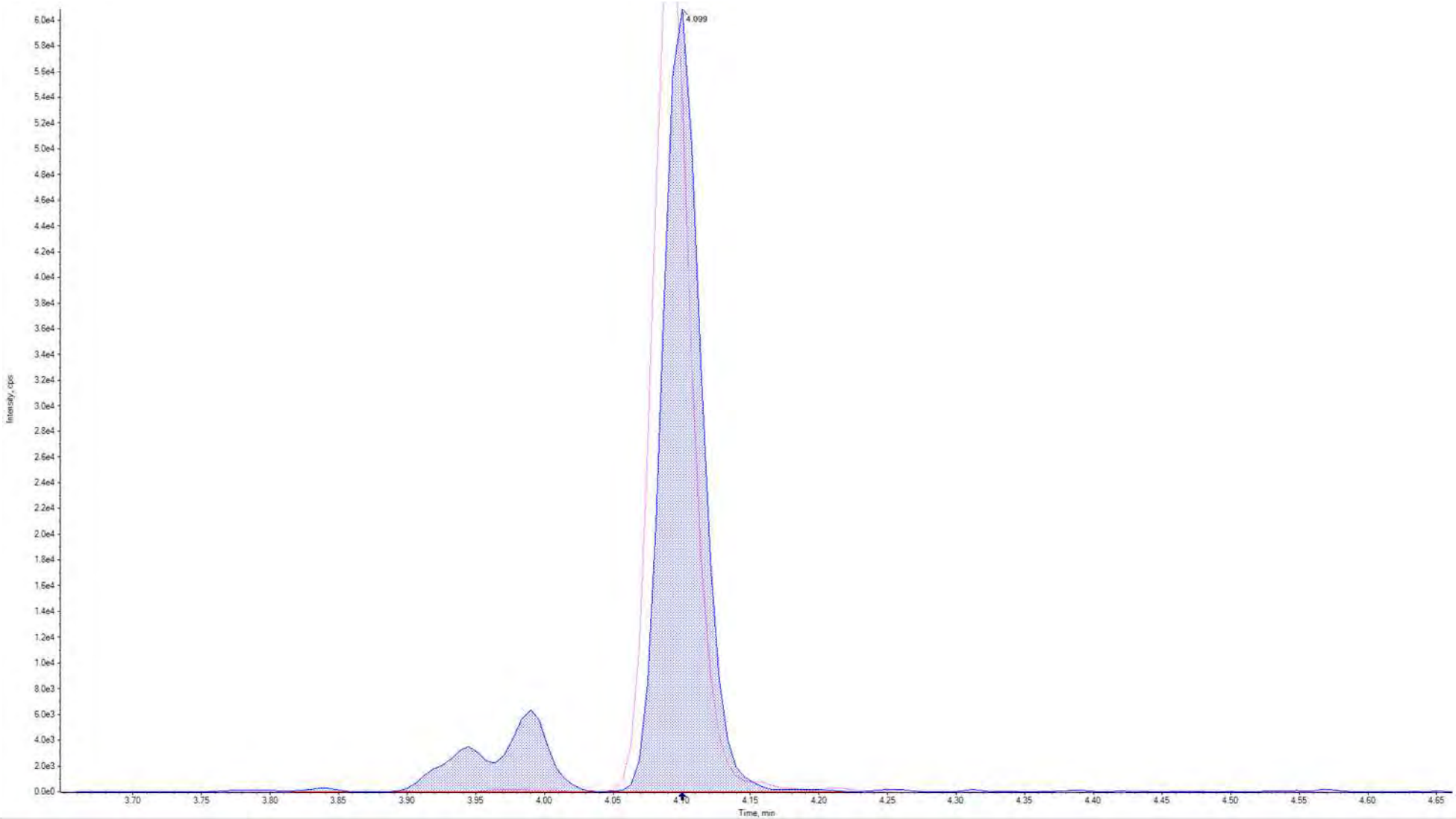
Last Altered: 11/12/2024 3:40:23 PM
Generated: 11/12/2024 3:31:45 PM

NEtFOSAA_2
Sample: CA1633STD-10 S/N:598.7 Points Across peak:65



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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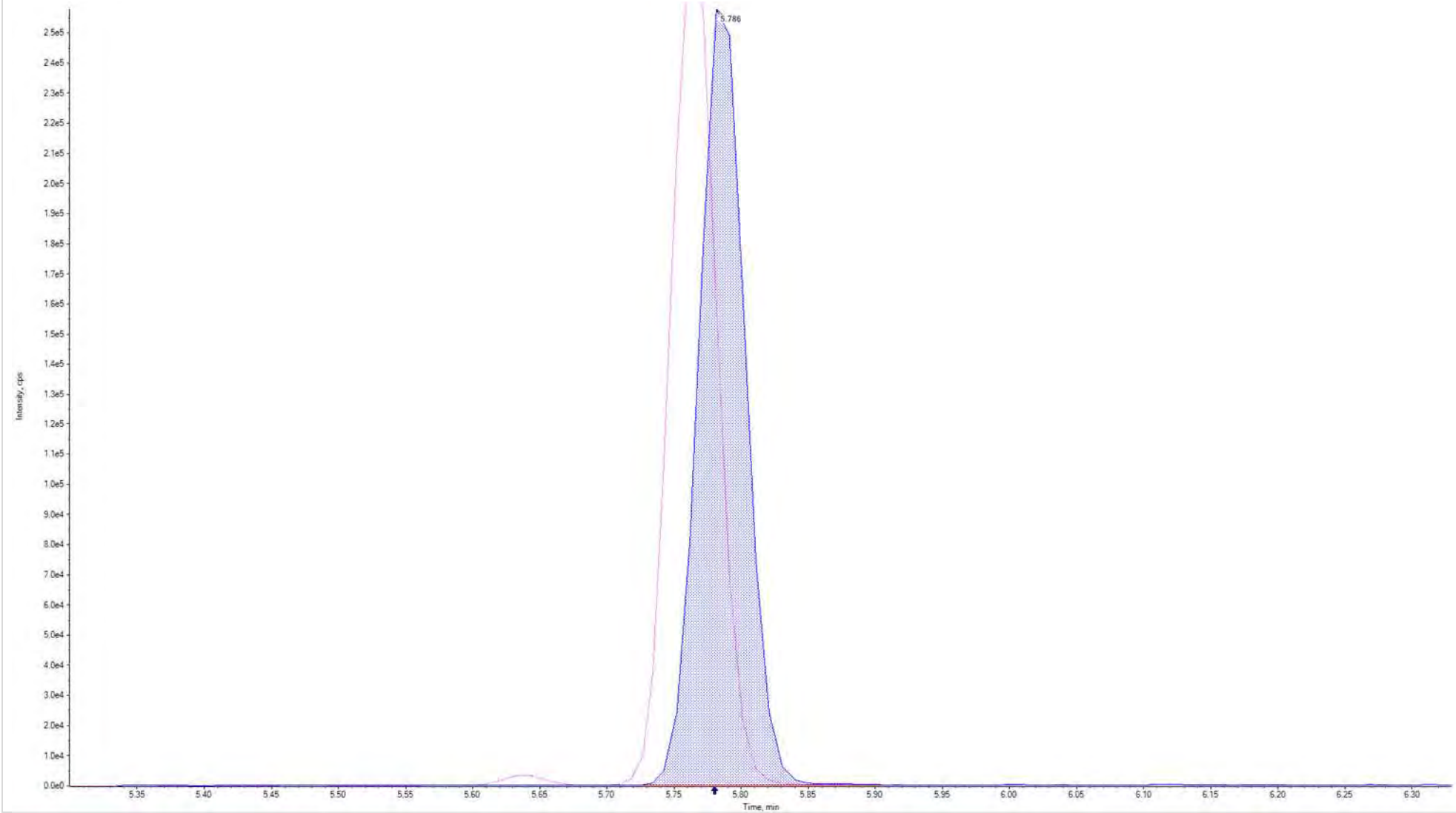
Last Altered: 11/12/2024 3:40:23 PM
Generated: 11/12/2024 3:31:45 PM

NMeFOSE
Sample: CA1633STD-10 S/N:812.4 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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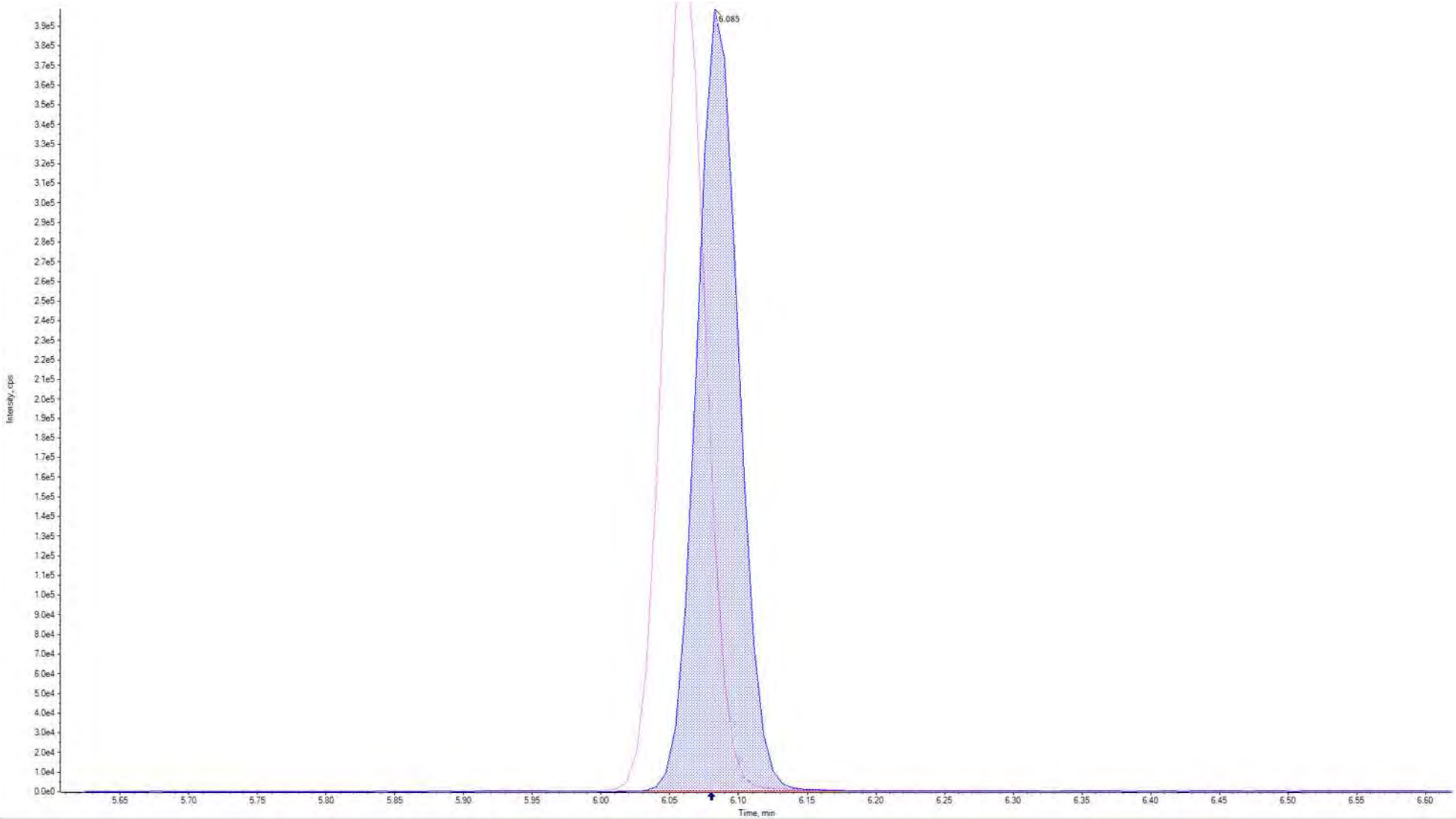
NEtFOSE
Sample: CA1633STD-10 S/N:1612.2 Points Across peak:40



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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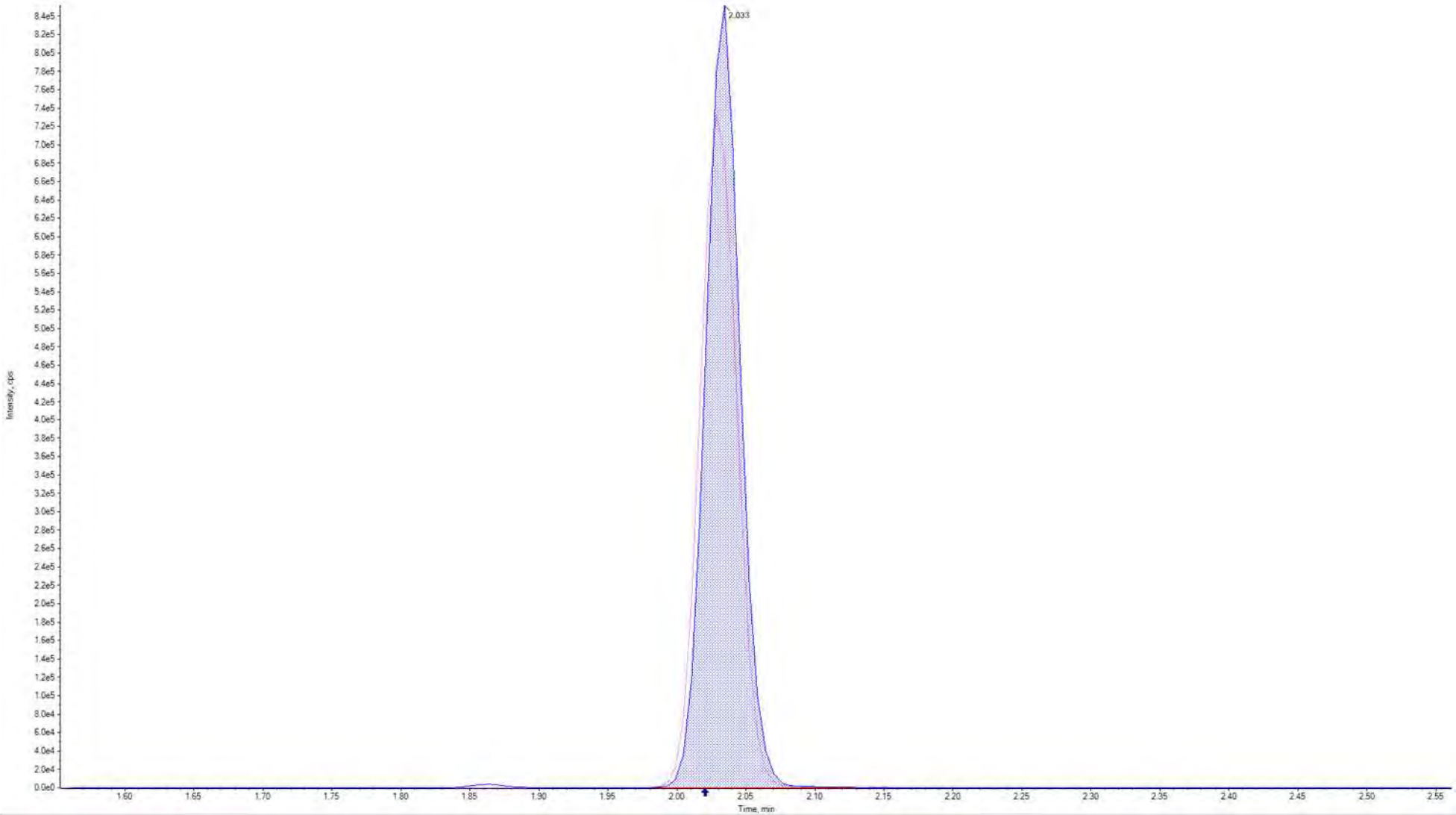
Last Altered: 11/12/2024 3:40:23 PM
Generated: 11/12/2024 3:31:45 PM

HFPO-DA
Sample: CA1633STD-10 S/N:19214.1 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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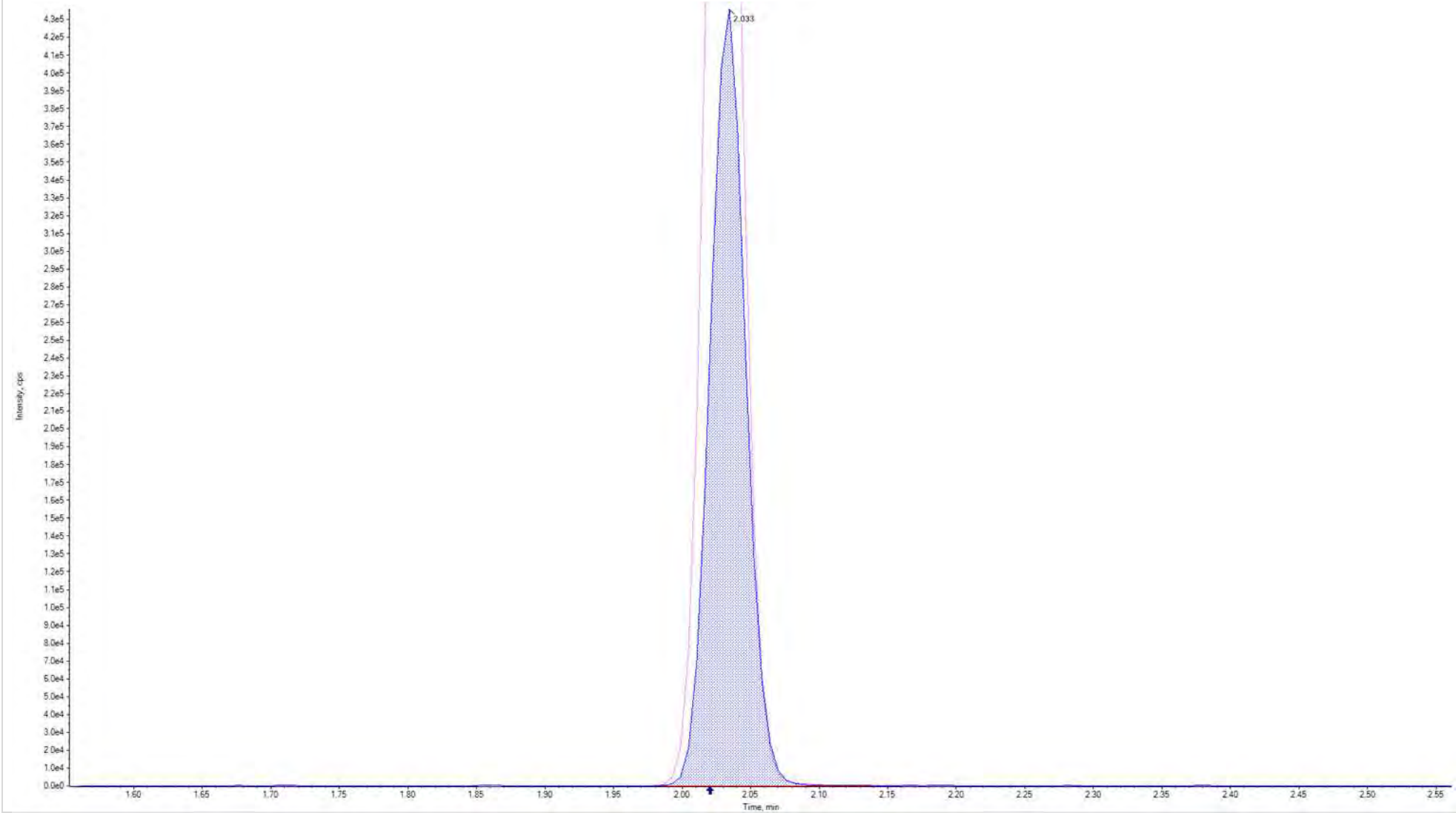
Last Altered: 11/12/2024 3:40:23 PM
Generated: 11/12/2024 3:31:45 PM

HFPO-DA_2
Sample: CA1633STD-10 S/N:9832.1 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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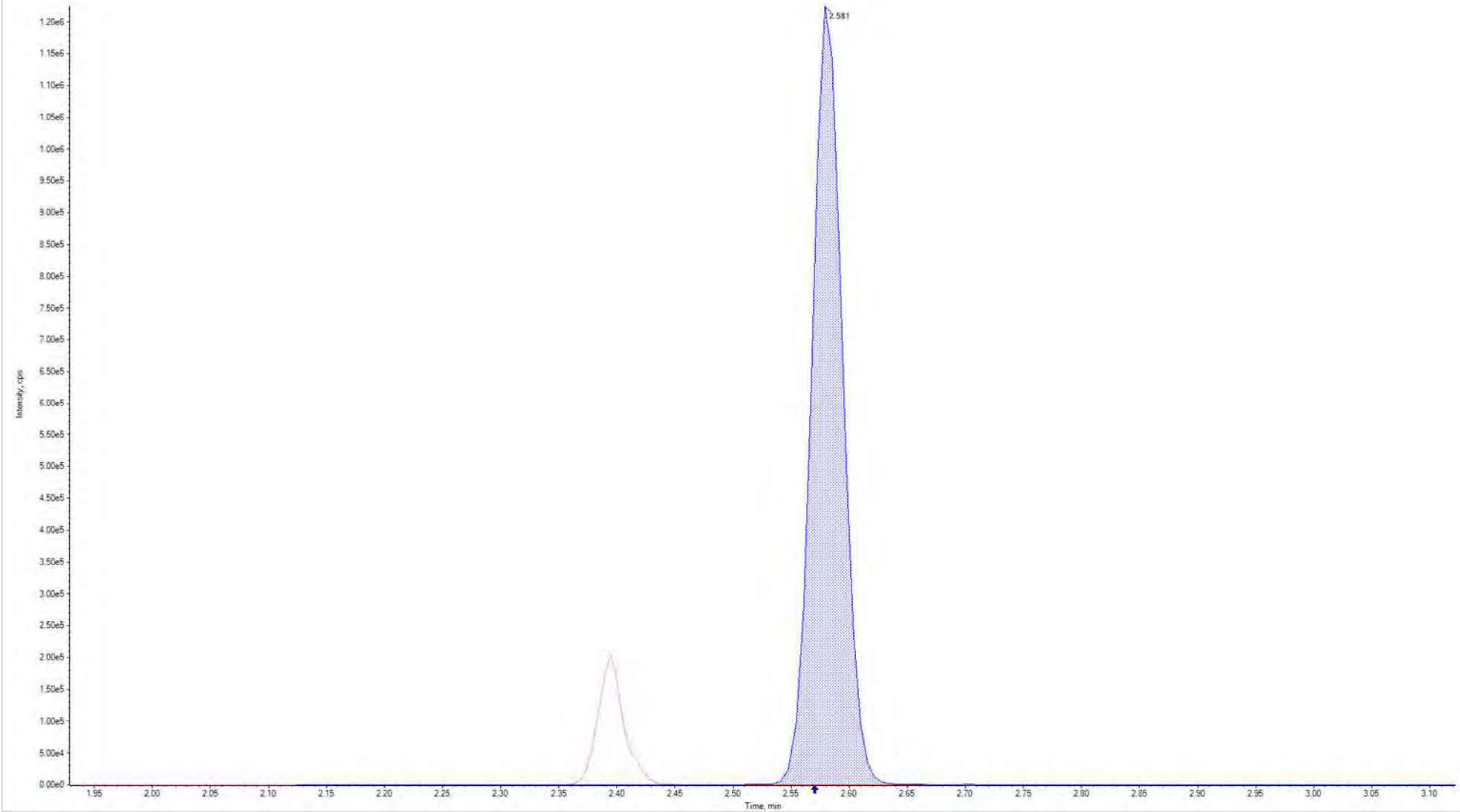
Generated: 11/12/2024 3:31:45 PM

ADONA
Sample: CA1633STD-10 S/N:24561.4 Points Across peak:36



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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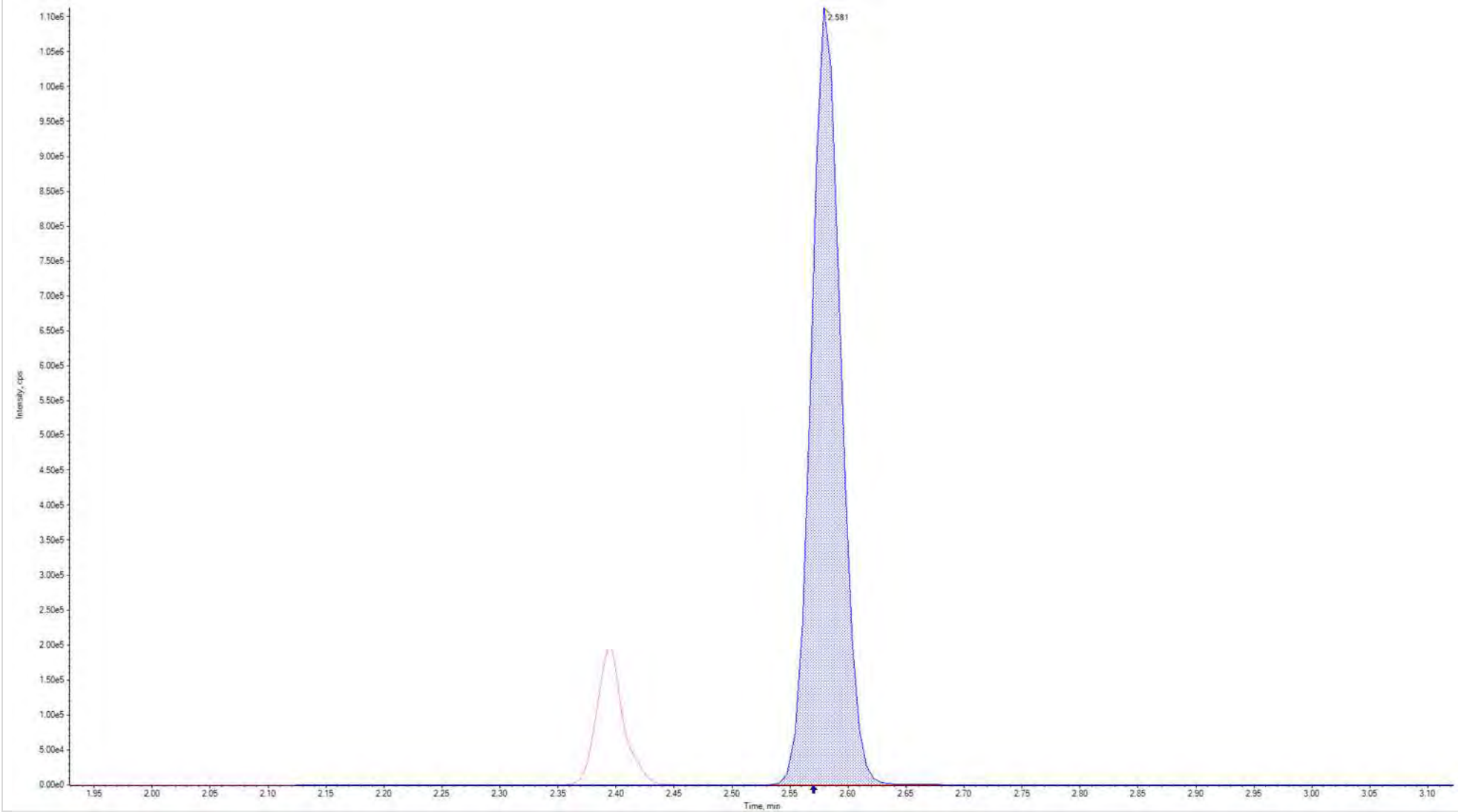
Last Altered: 11/12/2024 3:40:23 PM
Generated: 11/12/2024 3:31:45 PM

ADONA_2
Sample: CA1633STD-10 S/N:22317.3 Points Across peak:38



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/12/2024 3:40:23 PM
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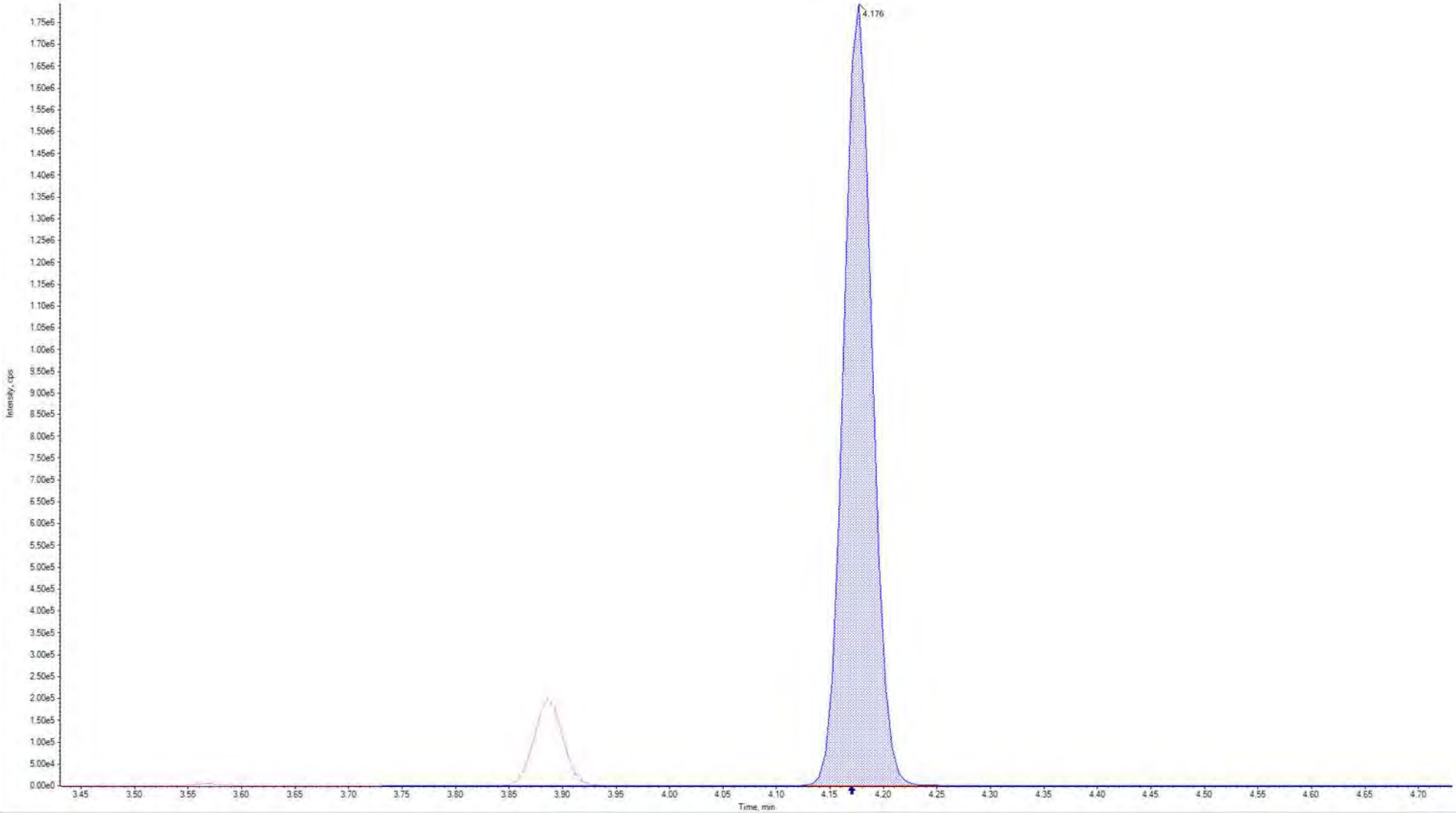
9Cl-PF3ONS
Sample: CA1633STD-10 S/N:9423.3 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/12/2024 3:40:23 PM
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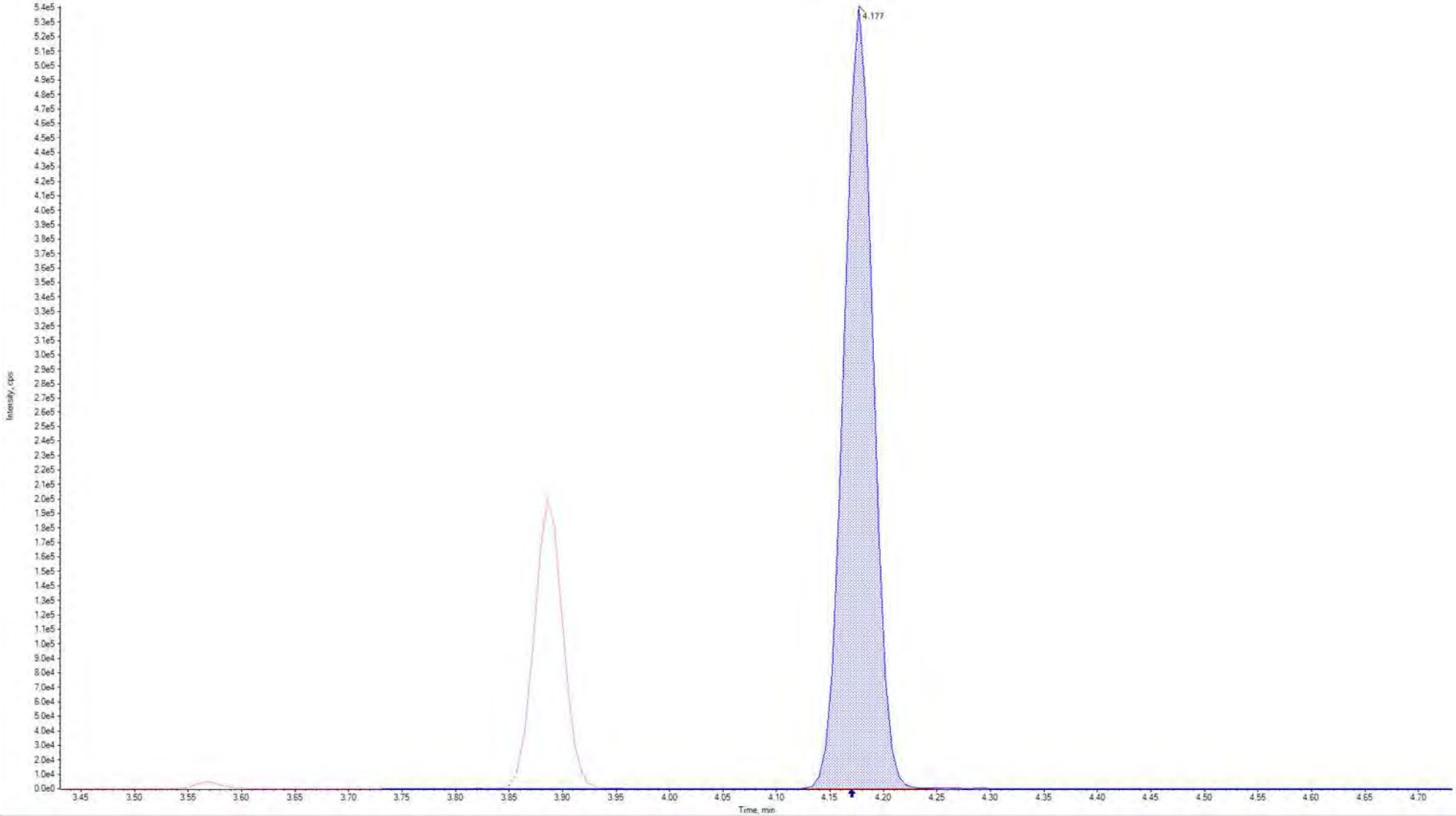
9Cl-PF3ONS_2
Sample: CA1633STD-10 S/N:6457.8 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/12/2024 3:40:23 PM
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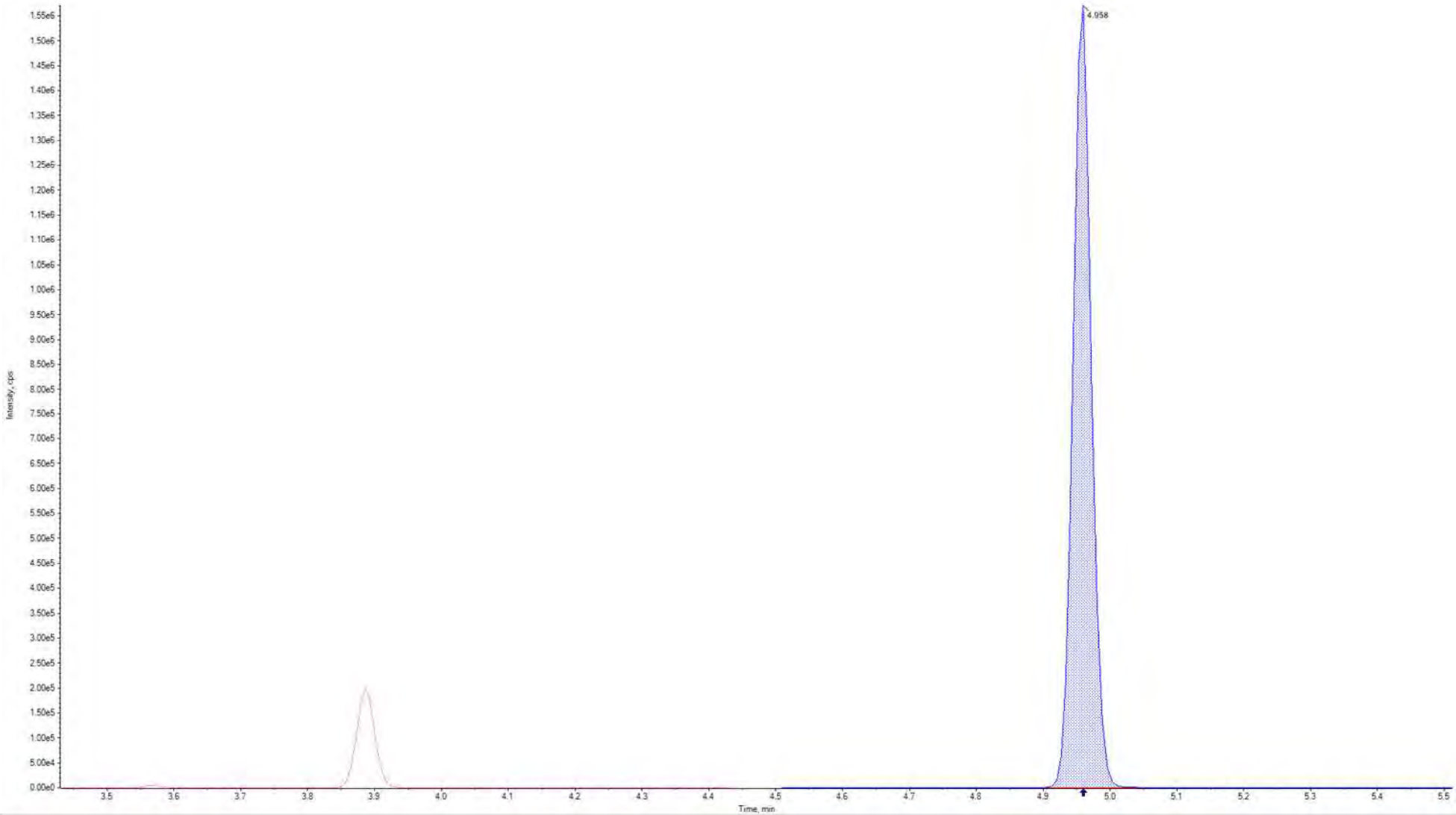
11Cl-PF3OUdS
Sample: CA1633STD-10 S/N:7835.9 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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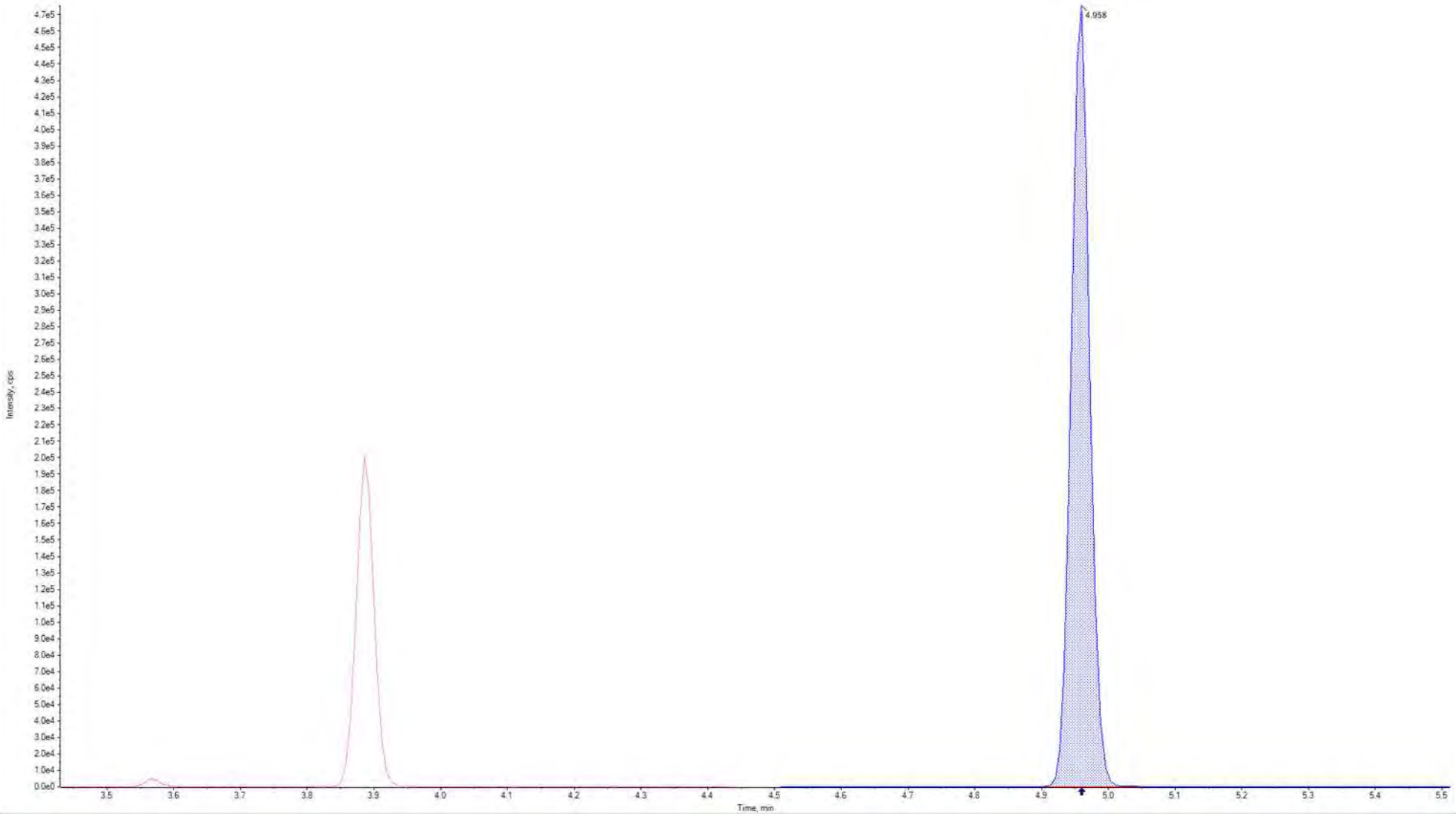
11Cl-PF3OUdS_2
Sample: CA1633STD-10 S/N:7624.1 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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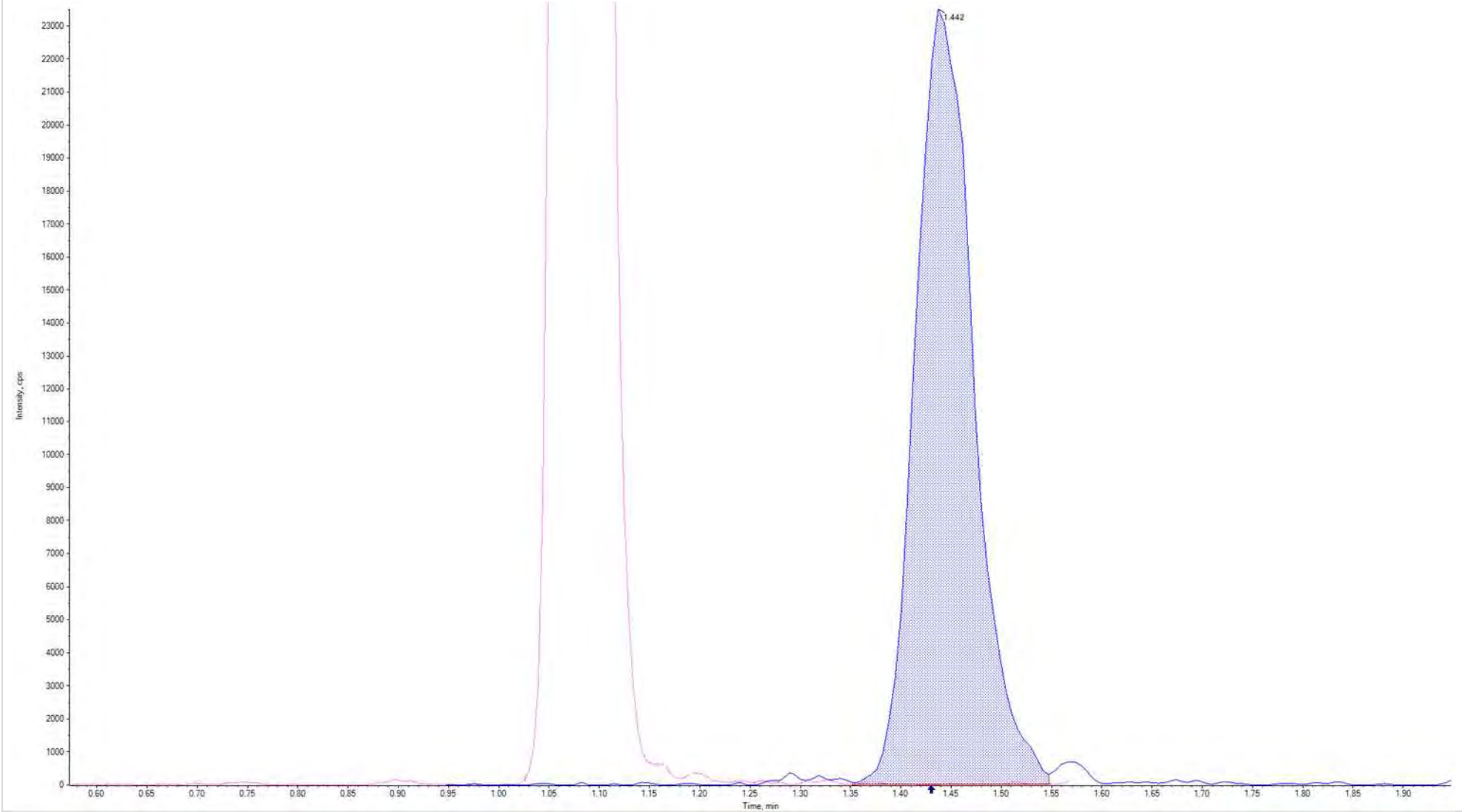
Last Altered: 11/12/2024 3:40:23 PM
Generated: 11/12/2024 3:31:45 PM

3:3FTCA
Sample: CA1633STD-10 S/N:588.9 Points Across peak:33



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 11/12/2024 3:40:23 PM
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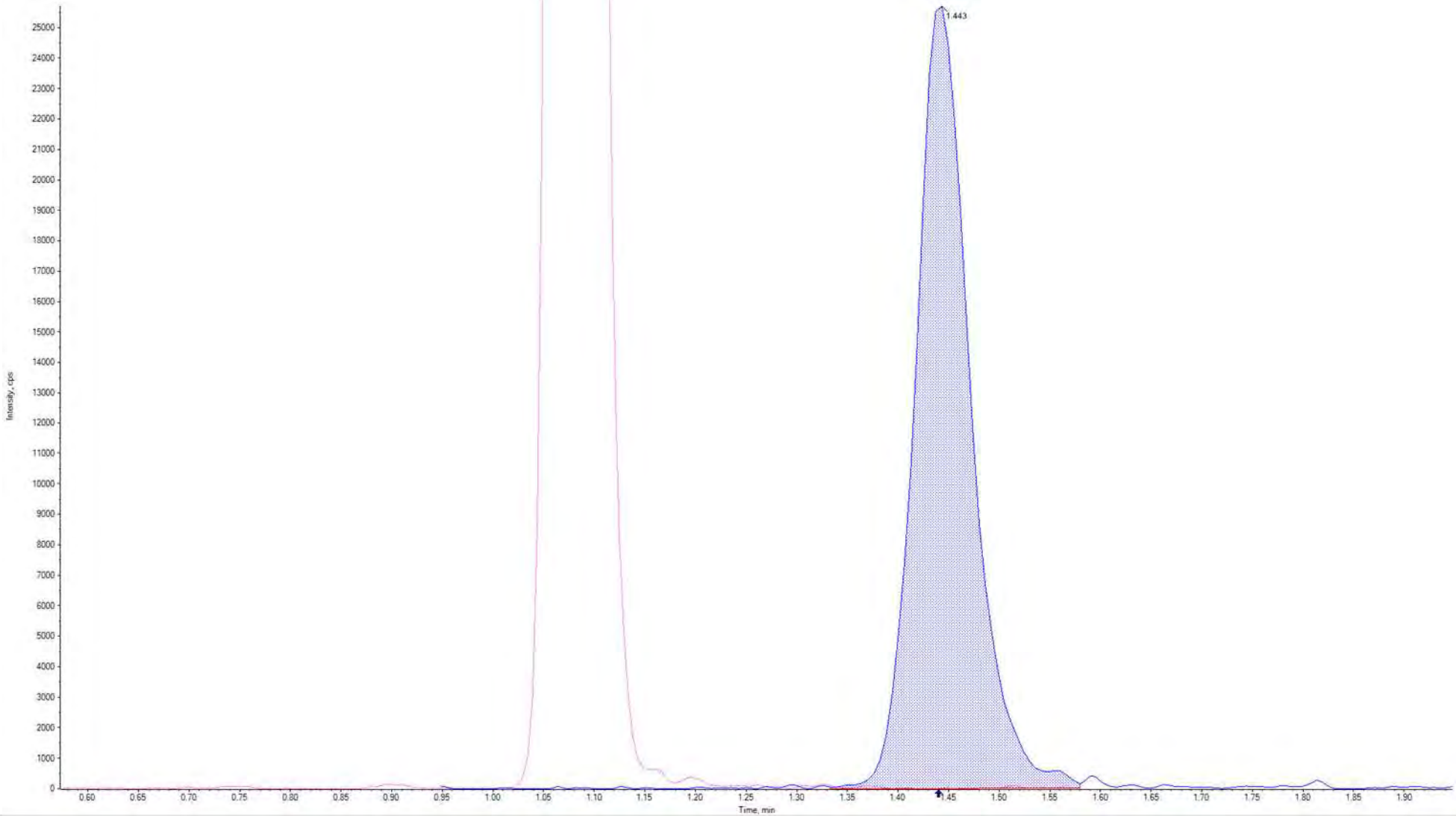
3:3FTCA_2
Sample: CA1633STD-10 S/N:644.0 Points Across peak:41



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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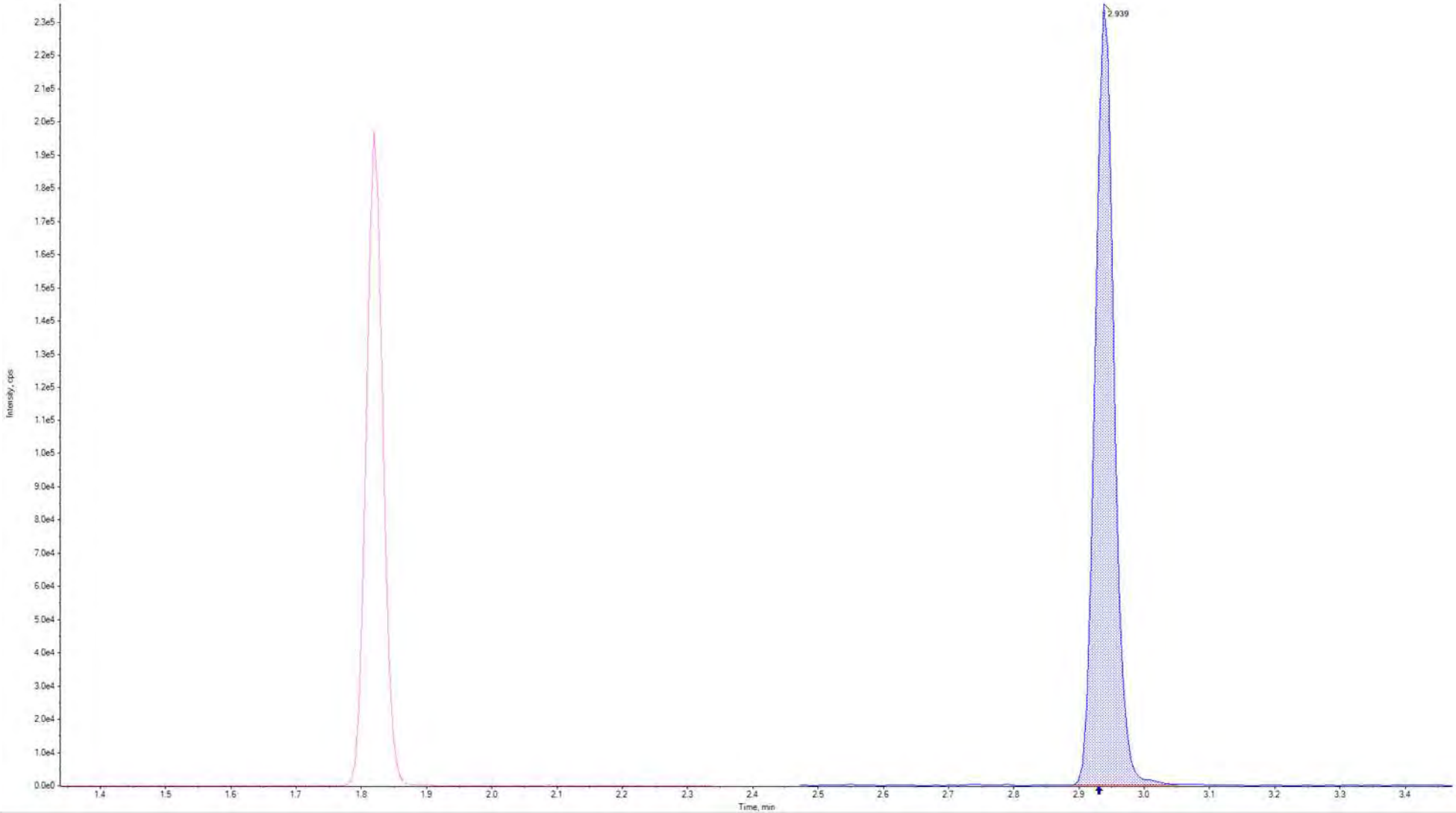
Last Altered: 11/12/2024 3:40:23 PM
Generated: 11/12/2024 3:31:45 PM

5:3FTCA
Sample: CA1633STD-10 S/N:5309.2 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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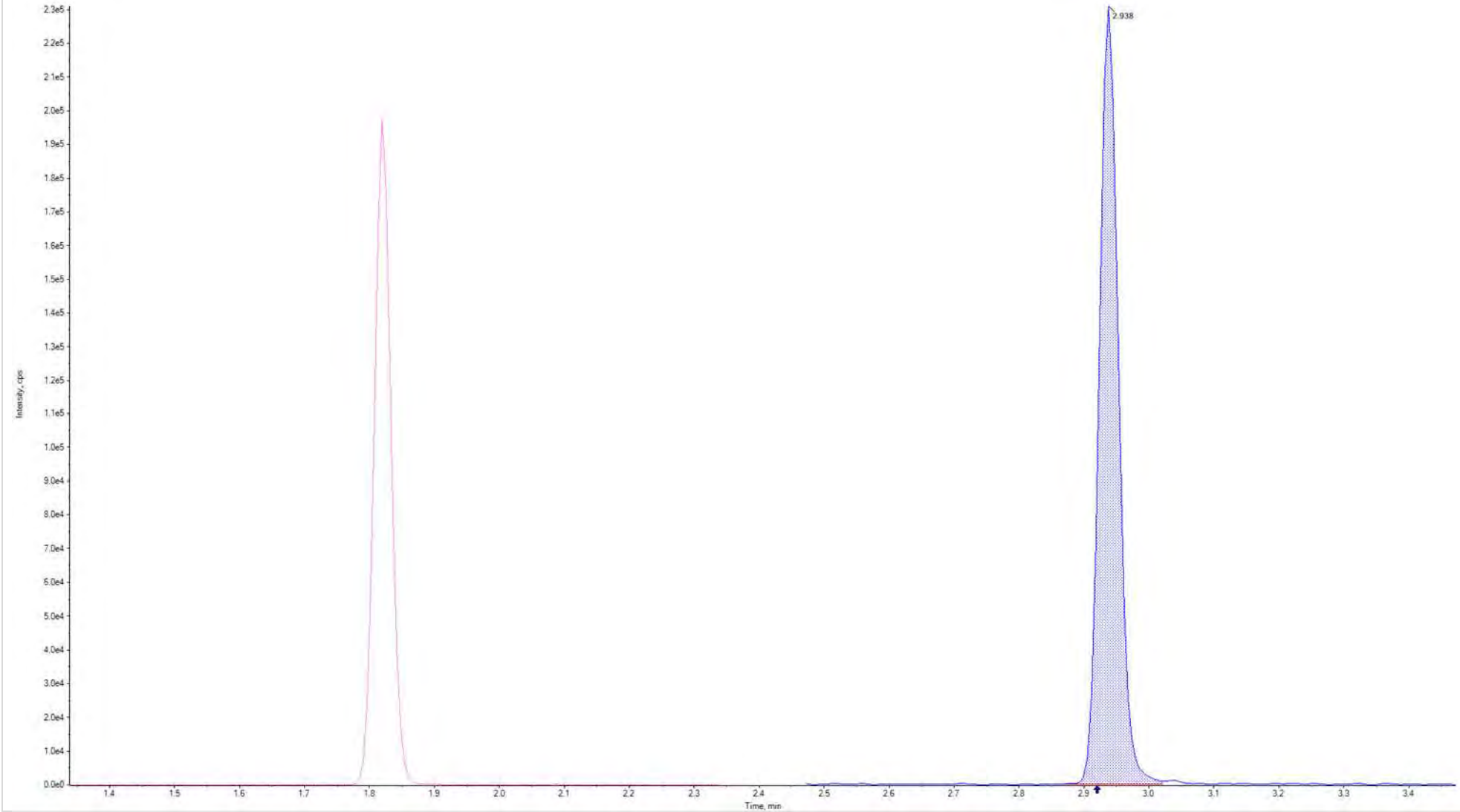
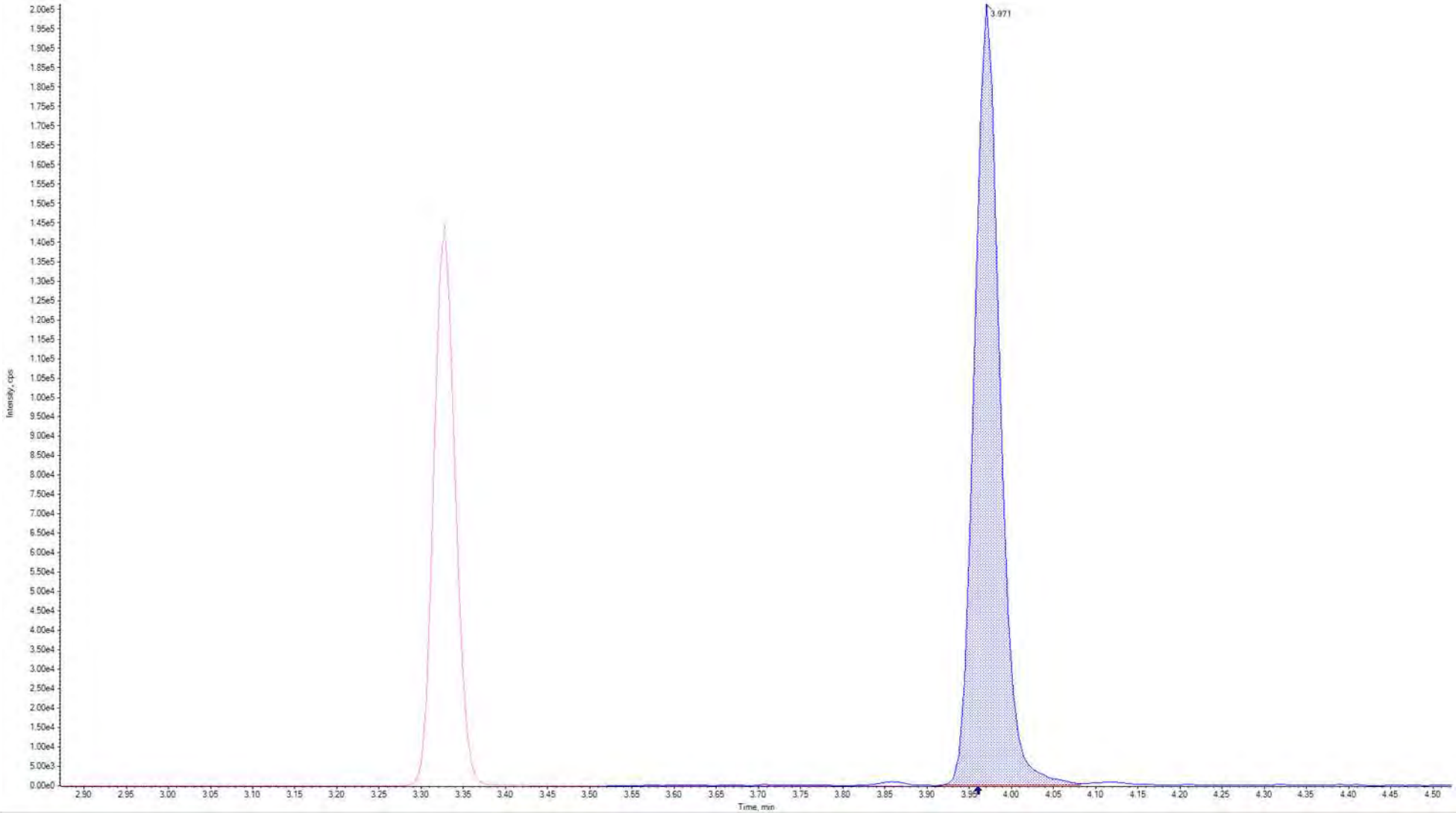
Last Altered: 11/12/2024 3:40:23 PM
Generated: 11/12/2024 3:31:45 PM

5:3FTCA_2
Sample: CA1633STD-10 S/N:3683.6 Points Across peak:26



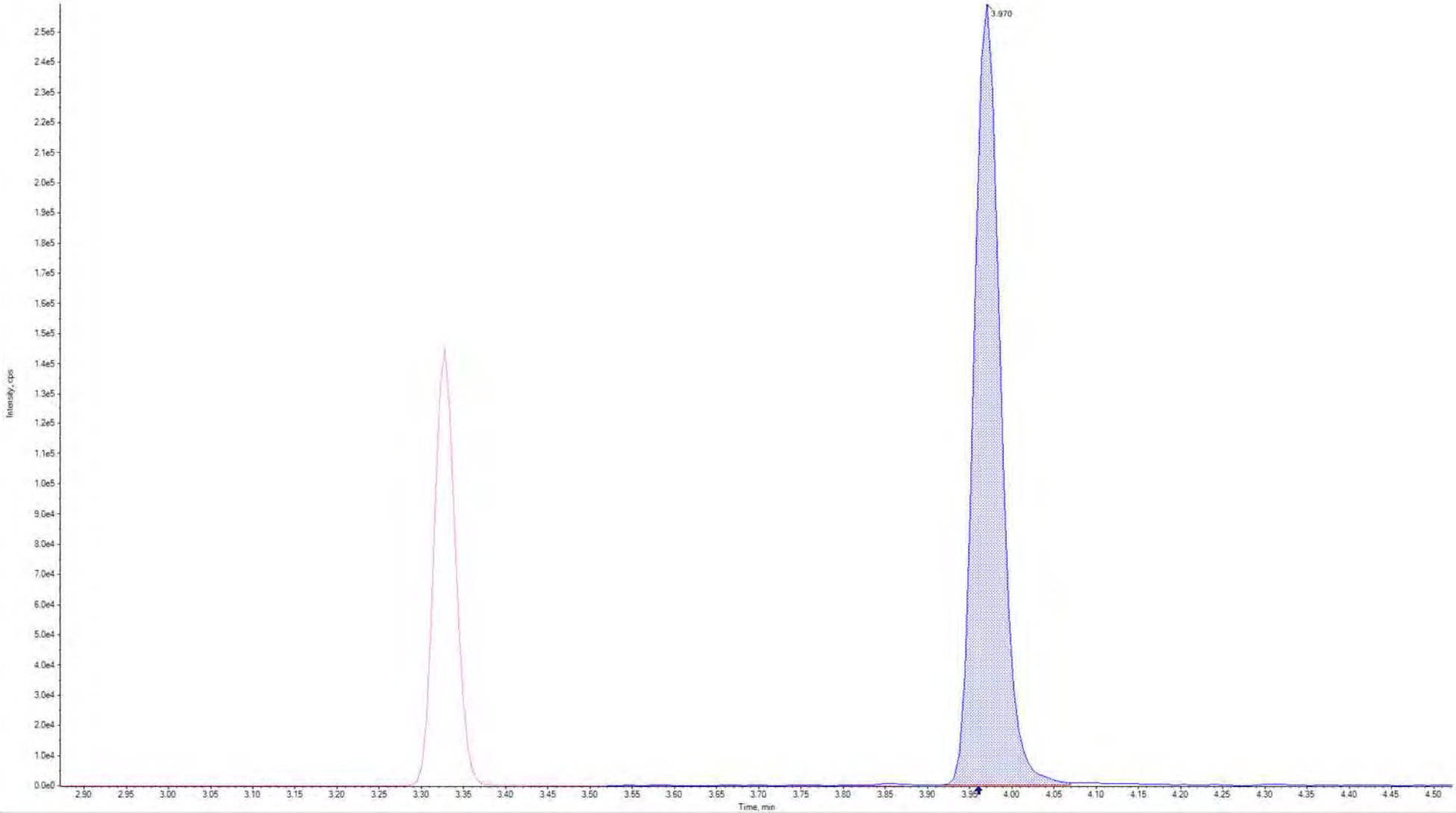
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_27.wiff2_4
Last Altered: 11/12/2024 3:40:23 PM
Generated: 11/12/2024 3:31:45 PM

7:3FTCA
Sample: CA1633STD-10 S/N:5550.0 Points Across peak:28



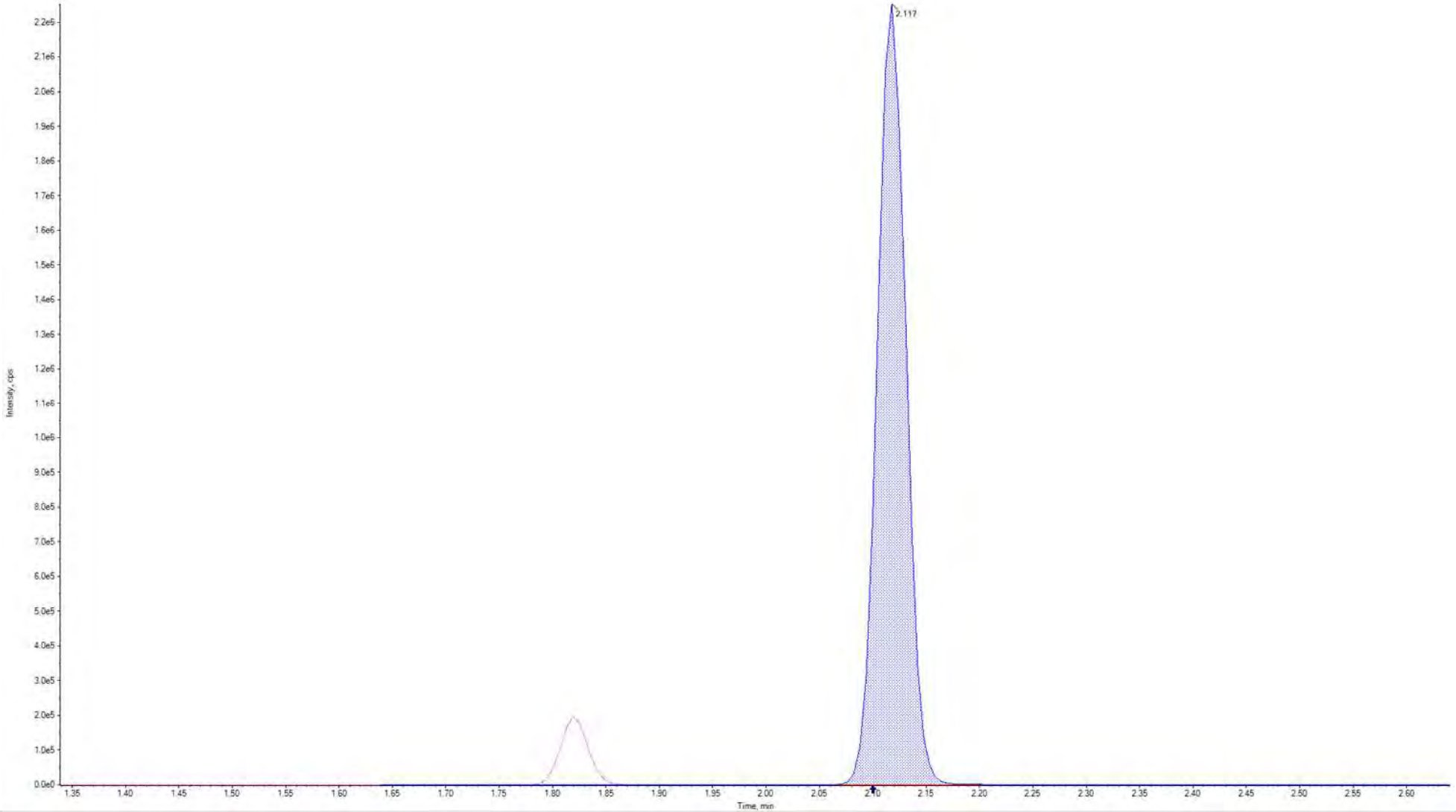
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_27.wiff2_4
Last Altered: 11/12/2024 3:40:23 PM
Generated: 11/12/2024 3:31:45 PM

7:3FTCA_2
Sample: CA1633STD-10 S/N:7146.3 Points Across peak:27



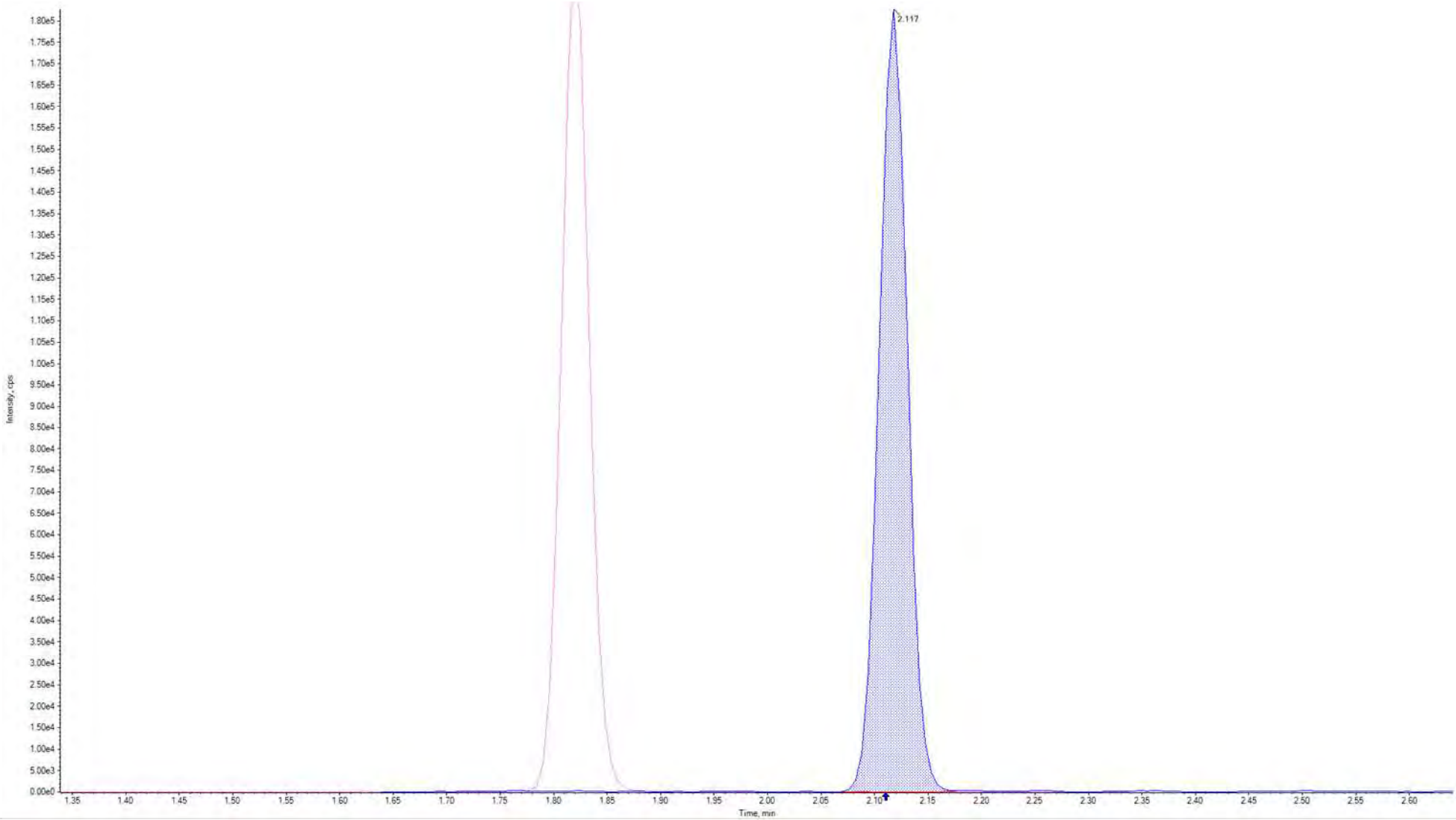
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_27.wiff2_4
Last Altered: 11/12/2024 3:40:23 PM
Generated: 11/12/2024 3:31:45 PM

PFEESA
Sample: CA1633STD-10 S/N:50827.3 Points Across peak:32



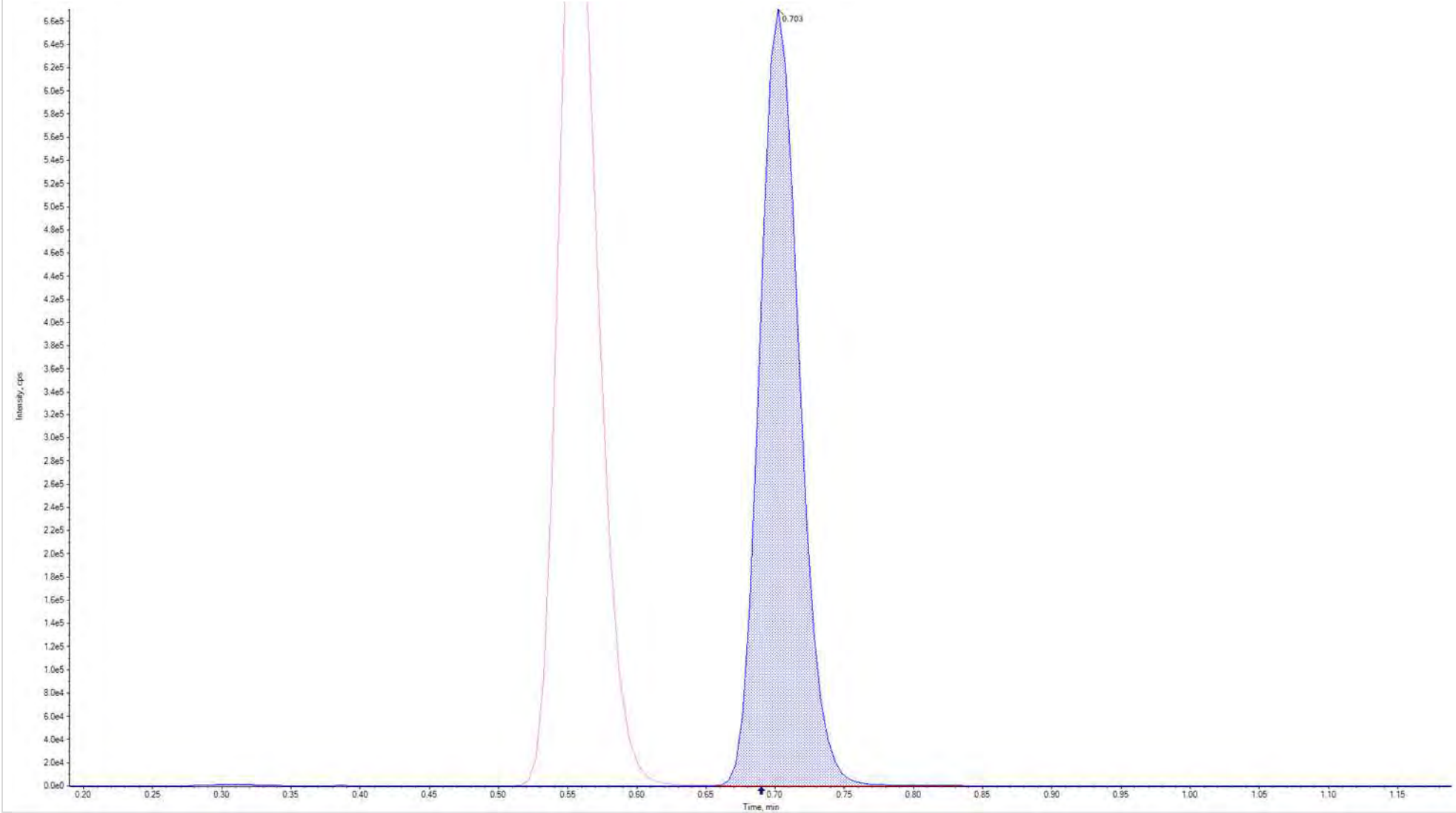
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_27.wiff2_4
Last Altered: 11/12/2024 3:40:23 PM
Generated: 11/12/2024 3:31:45 PM

PFEESA_2
Sample: CA1633STD-10 S/N:4121.5 Points Across peak:21



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_27.wiff2_4
Last Altered: 11/12/2024 3:40:23 PM
Generated: 11/12/2024 3:31:45 PM

PFMPA
Sample: CA1633STD-10 S/N:7502.6 Points Across peak:39



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_27.wiff2_4
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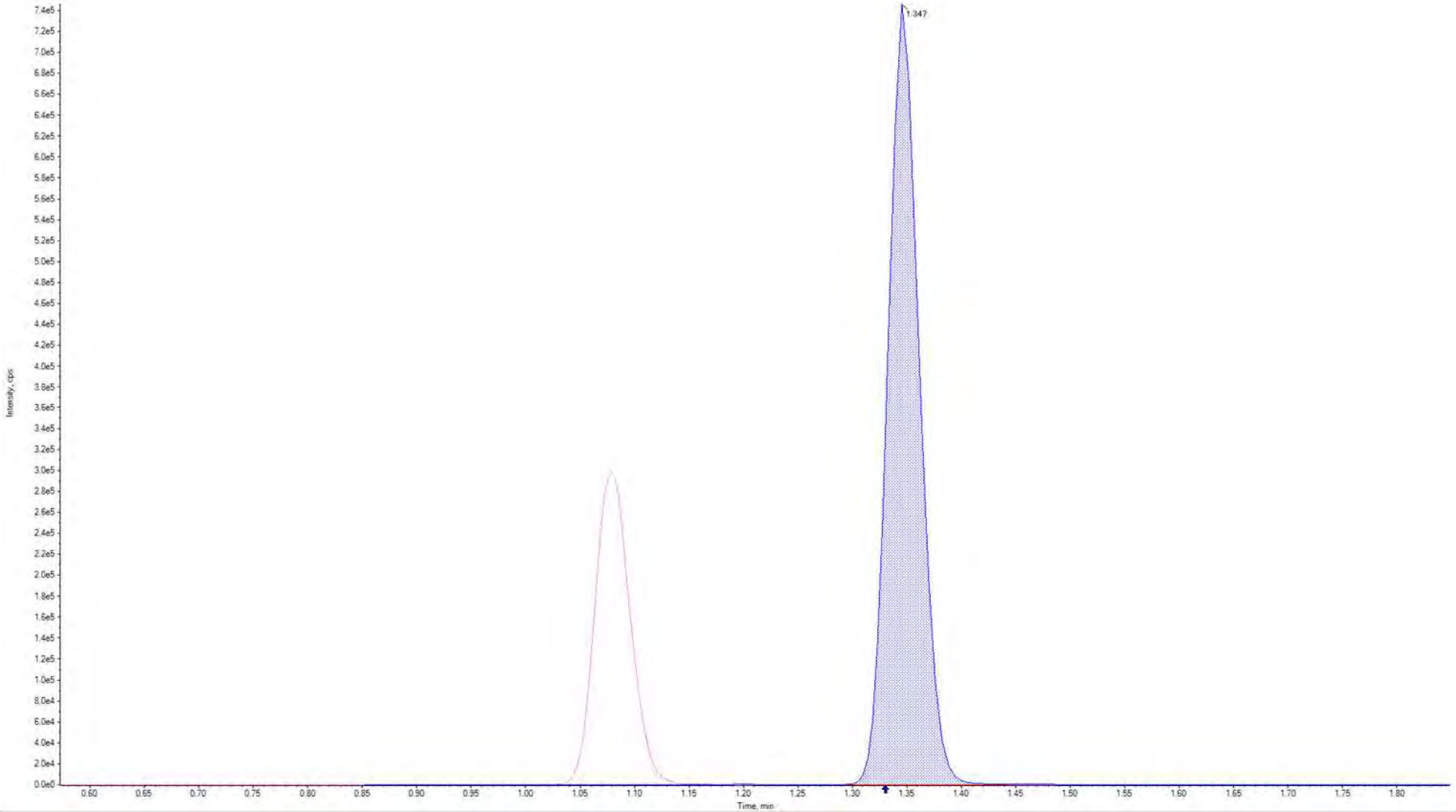
Generated: 11/12/2024 3:31:45 PM

PFMBA
Sample: CA1633STD-10 S/N:19662.0 Points Across peak:33



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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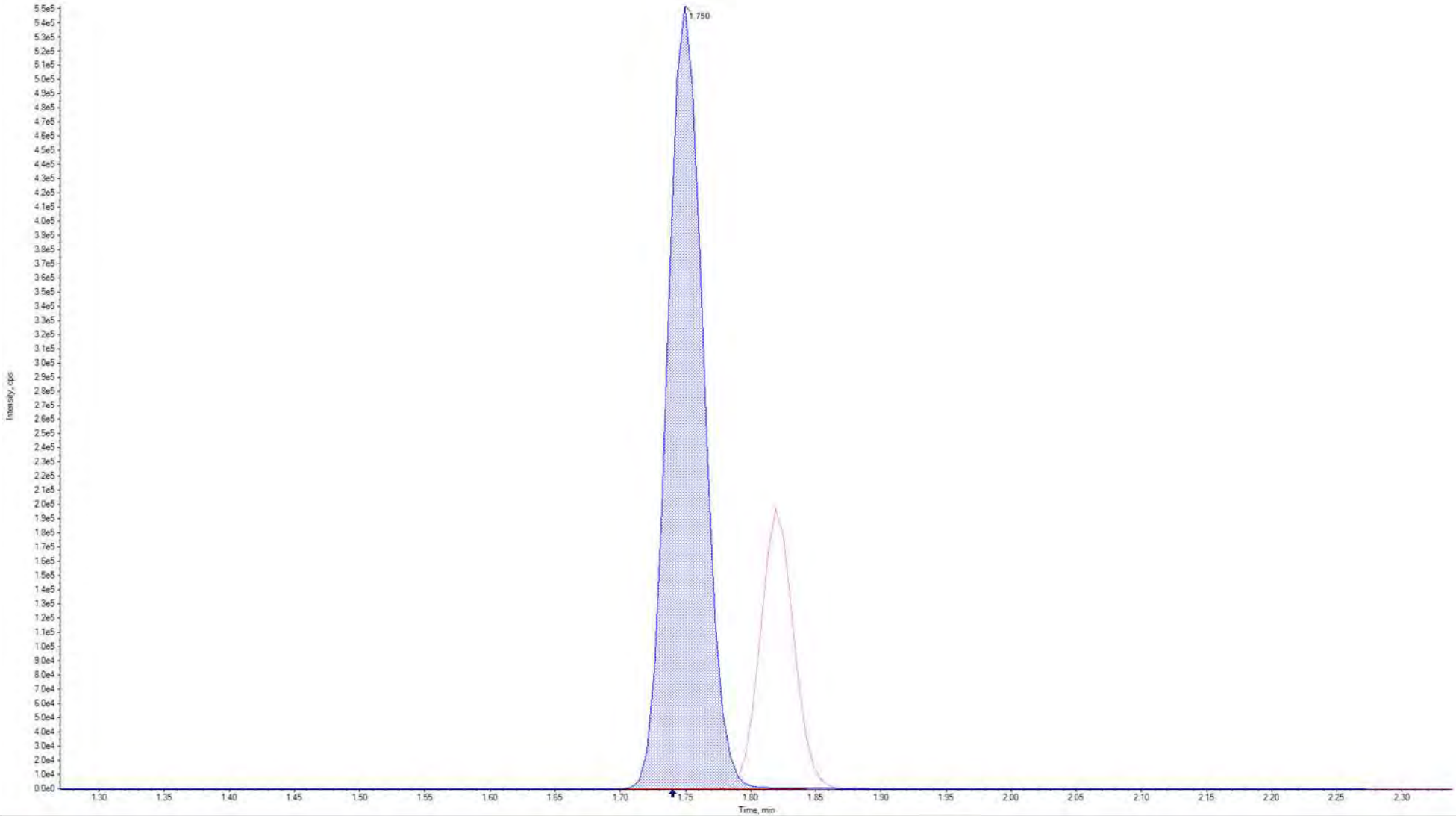
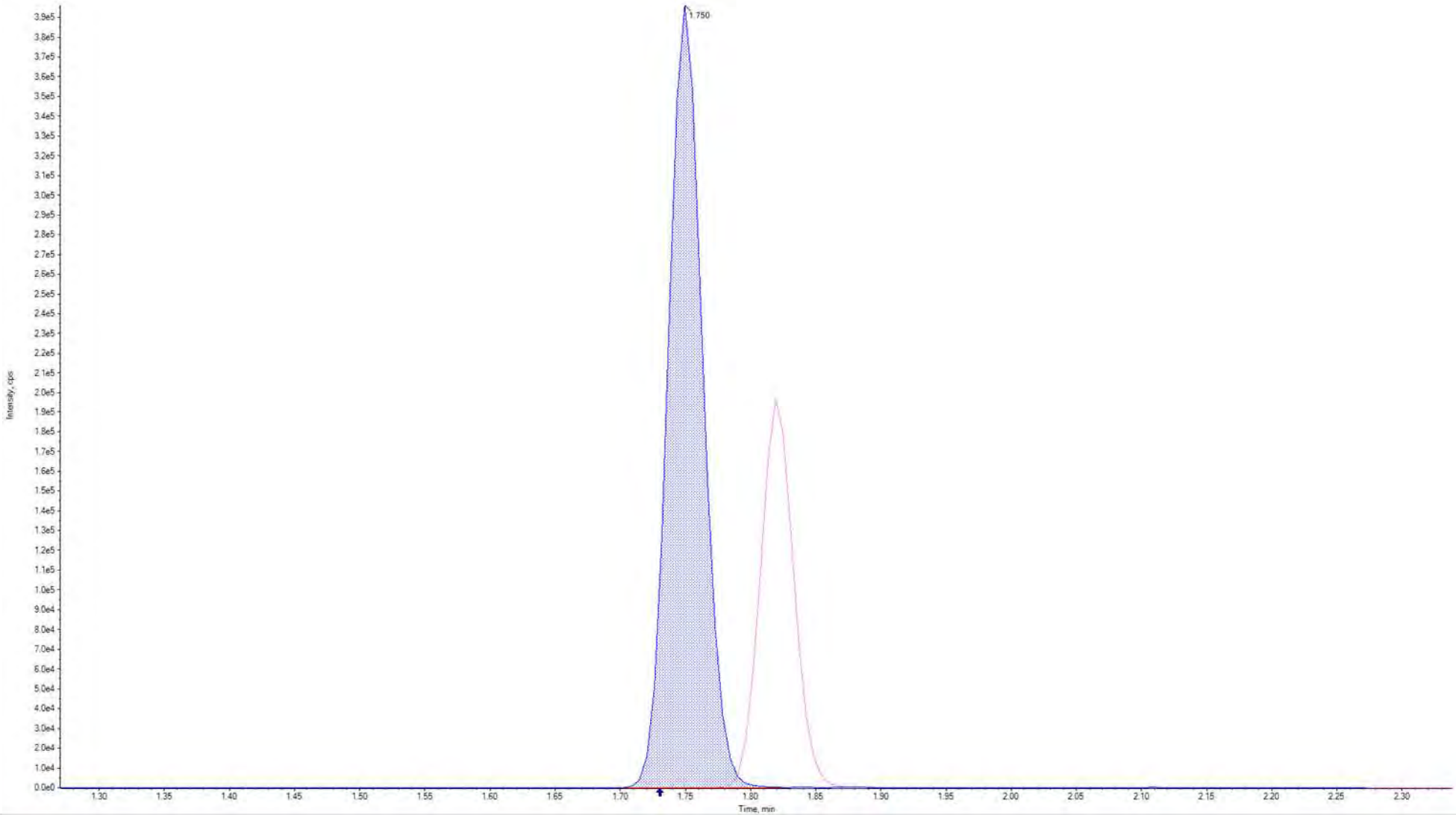
Generated: 11/12/2024 3:31:45 PM

NFDHA
Sample: CA1633STD-10 S/N:15211.7 Points Across peak:27

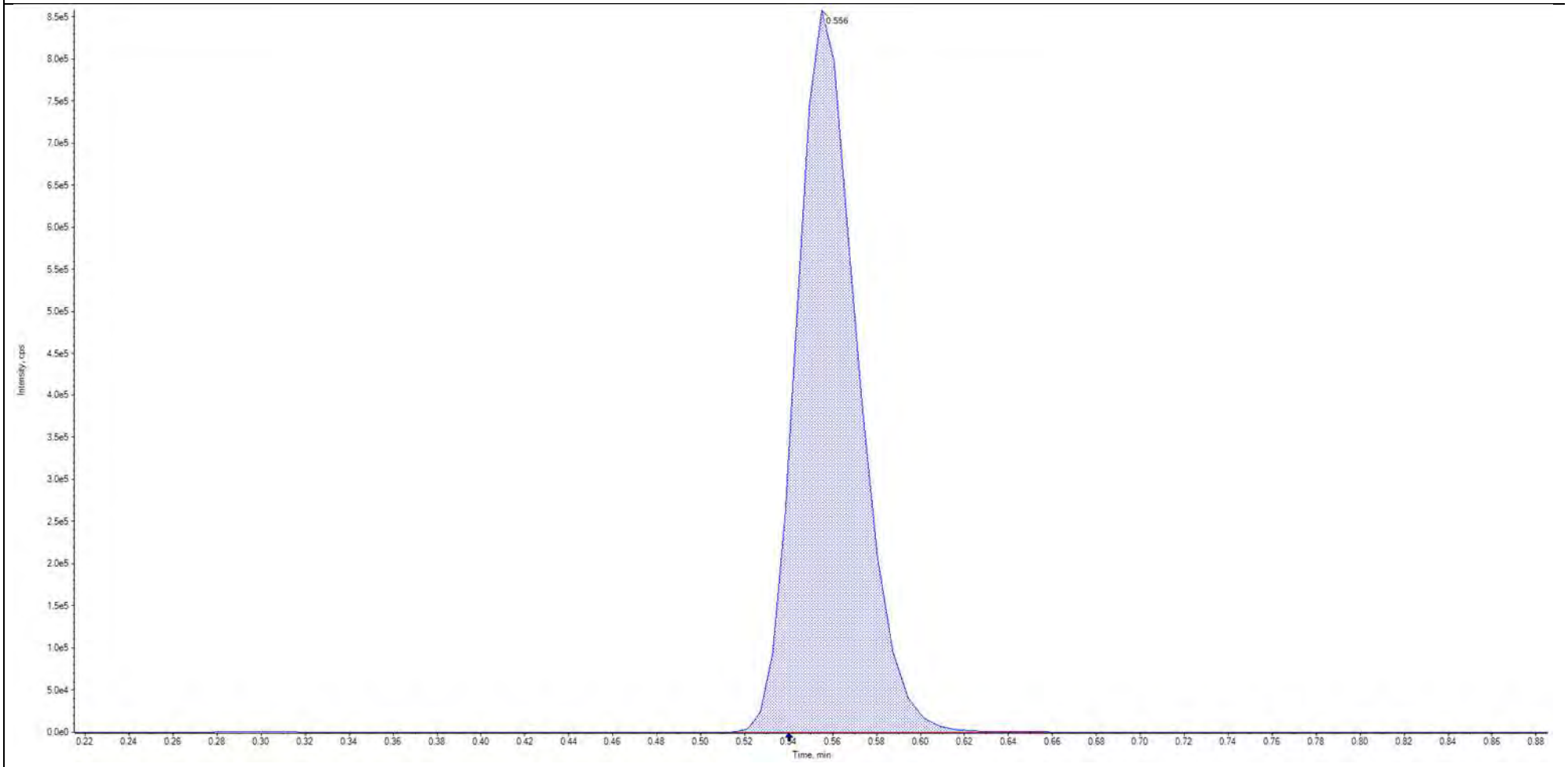


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_27.wiff2_4
Last Altered: 11/12/2024 3:40:23 PM
Generated: 11/12/2024 3:31:45 PM

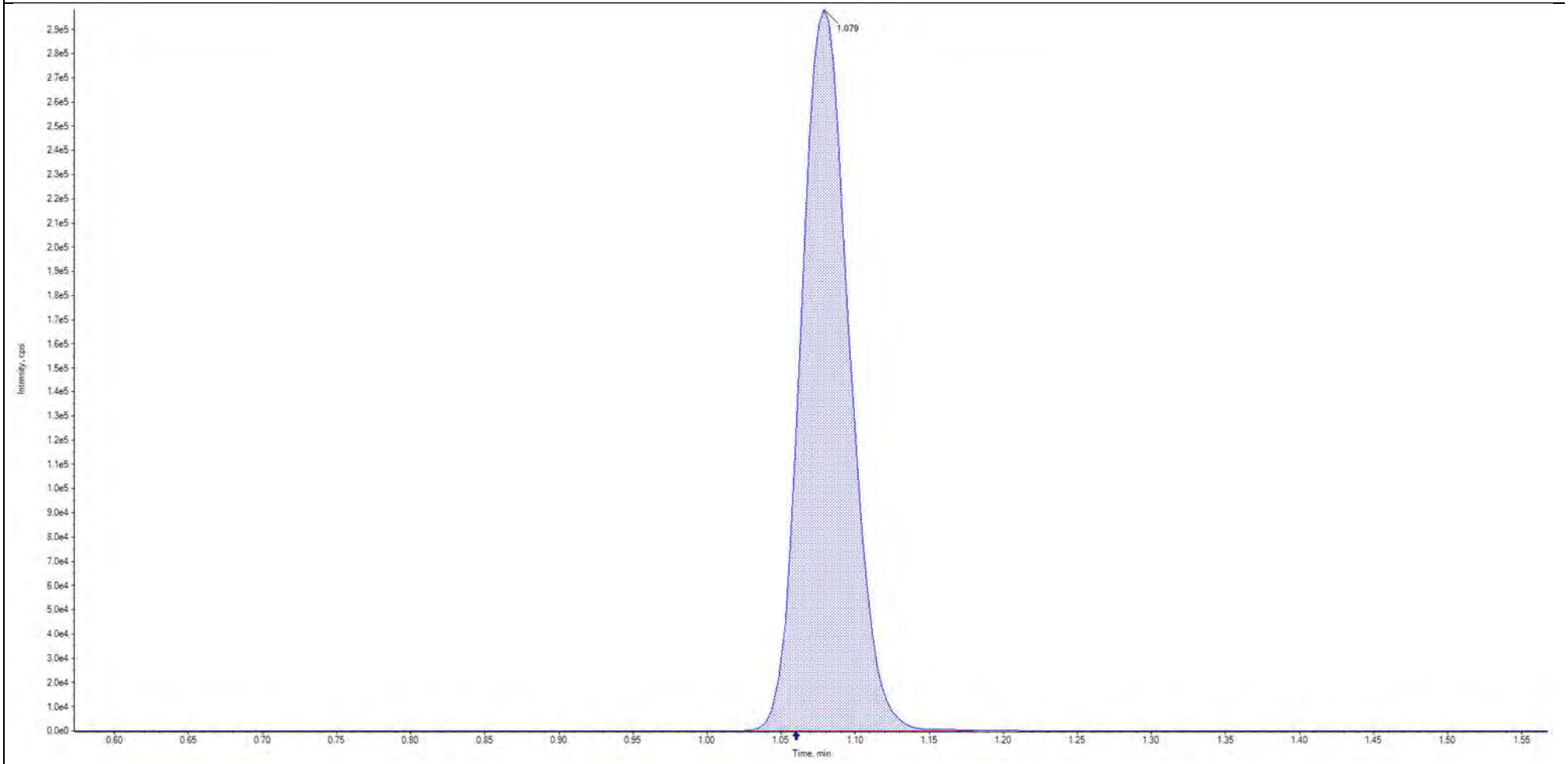
NFDHA_2
Sample: CA1633STD-10 S/N:10920.2 Points Across peak:27



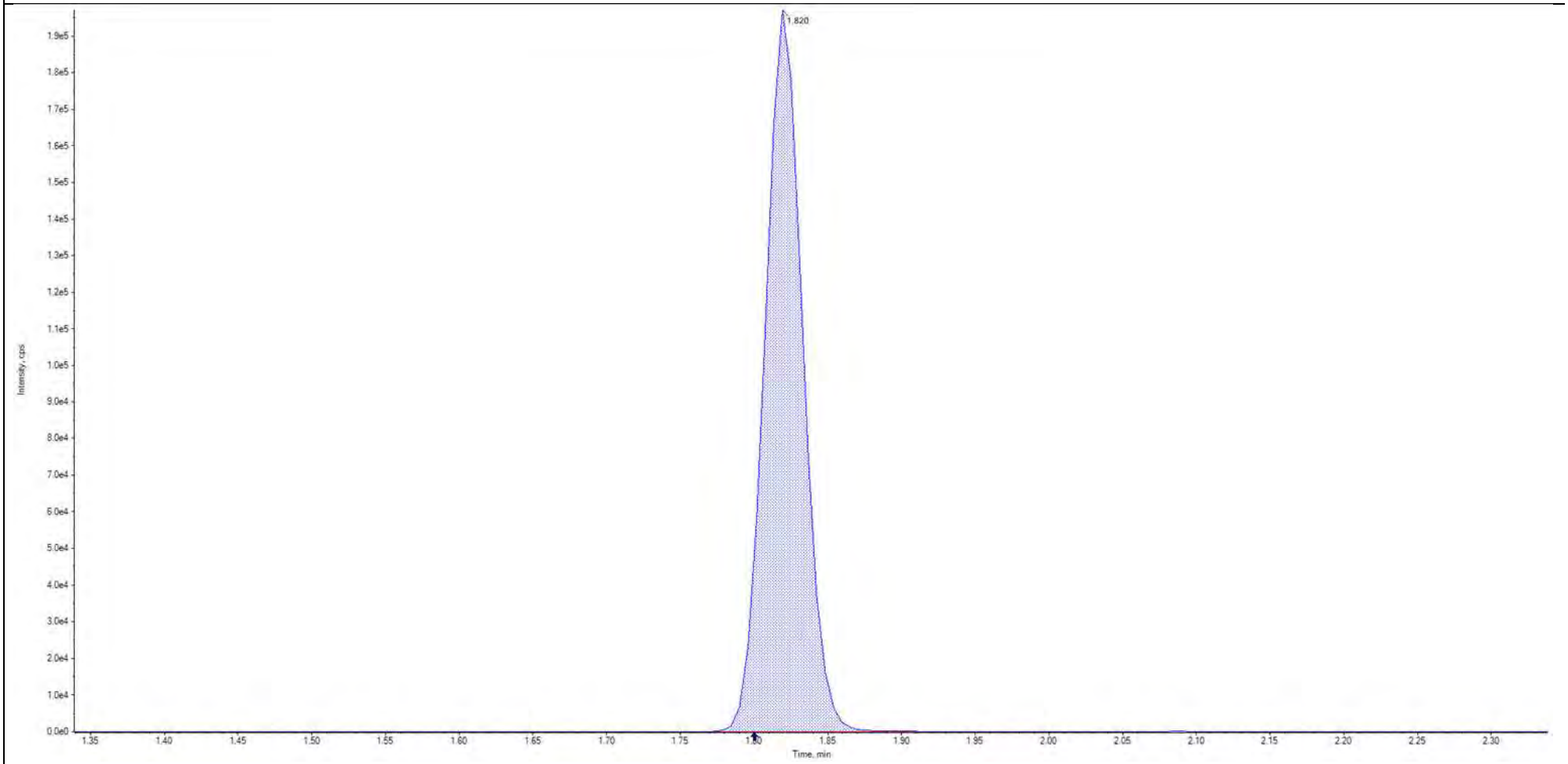
13C4-PFBA
Sample: CA1633STD-10



13C5-PFPeA
Sample: CA1633STD-10



13C5-PFHxA
Sample: CA1633STD-10



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_27.wiff2_4
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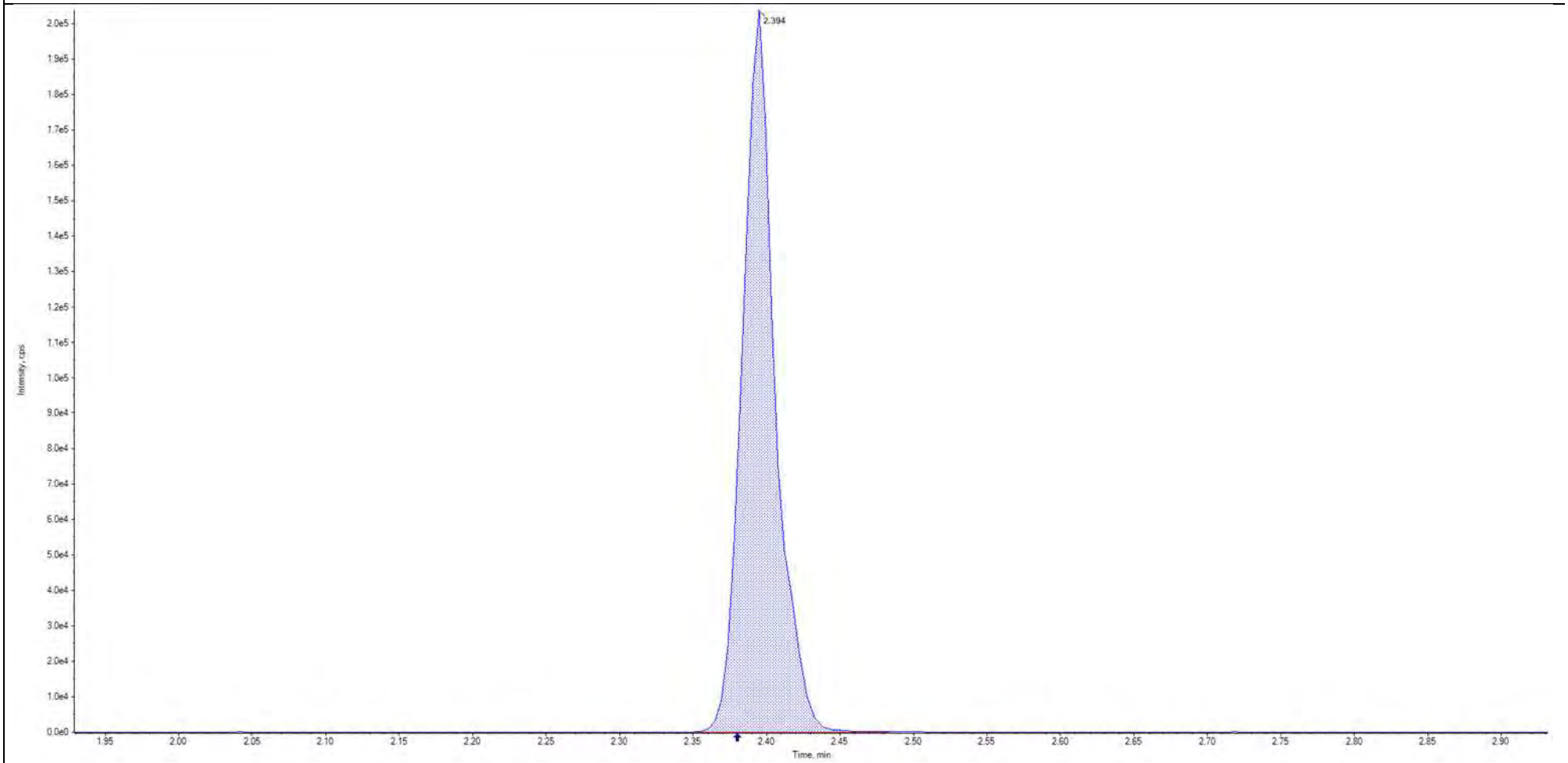
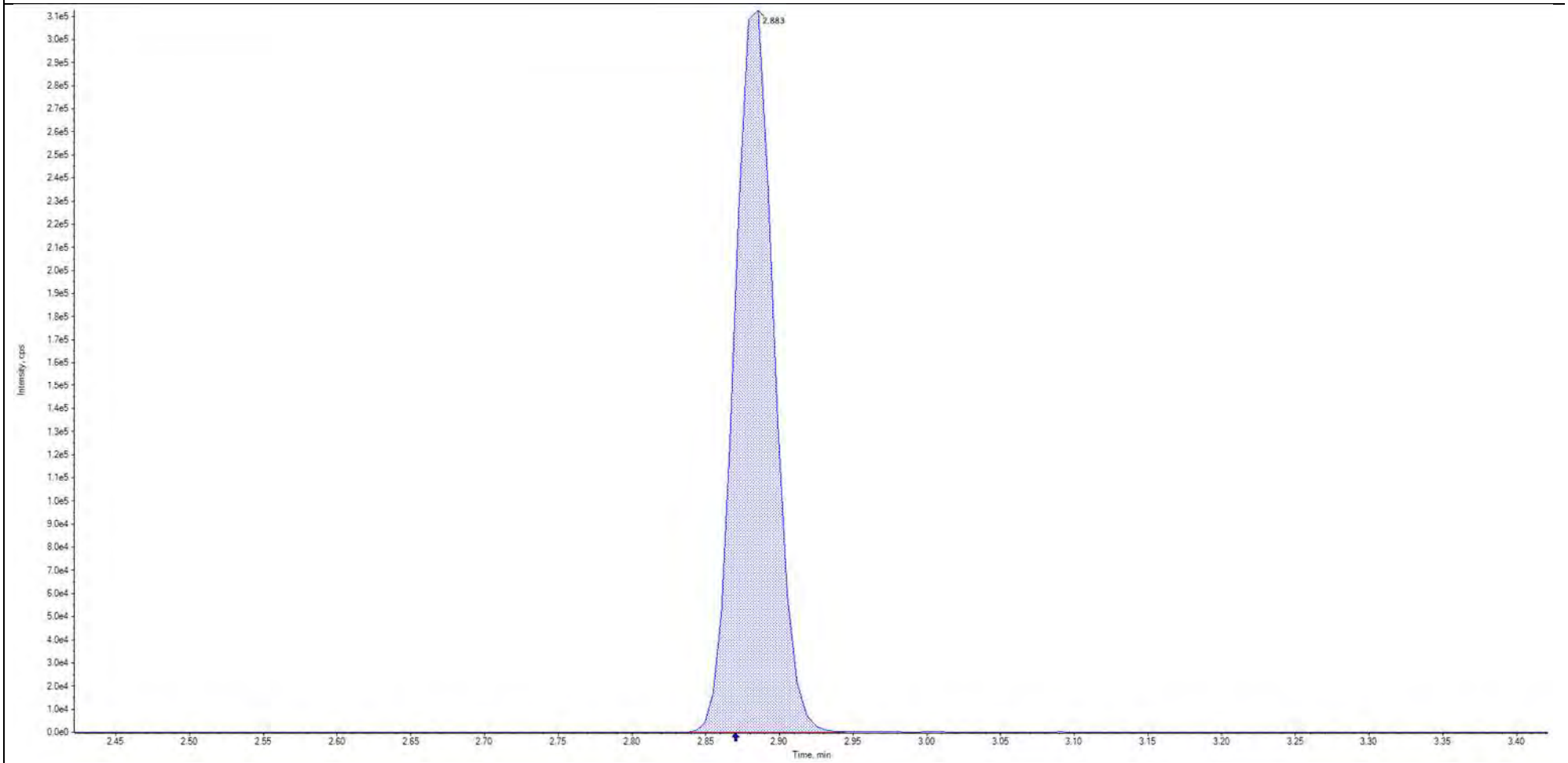
Generated: 11/12/2024 3:31:45 PM

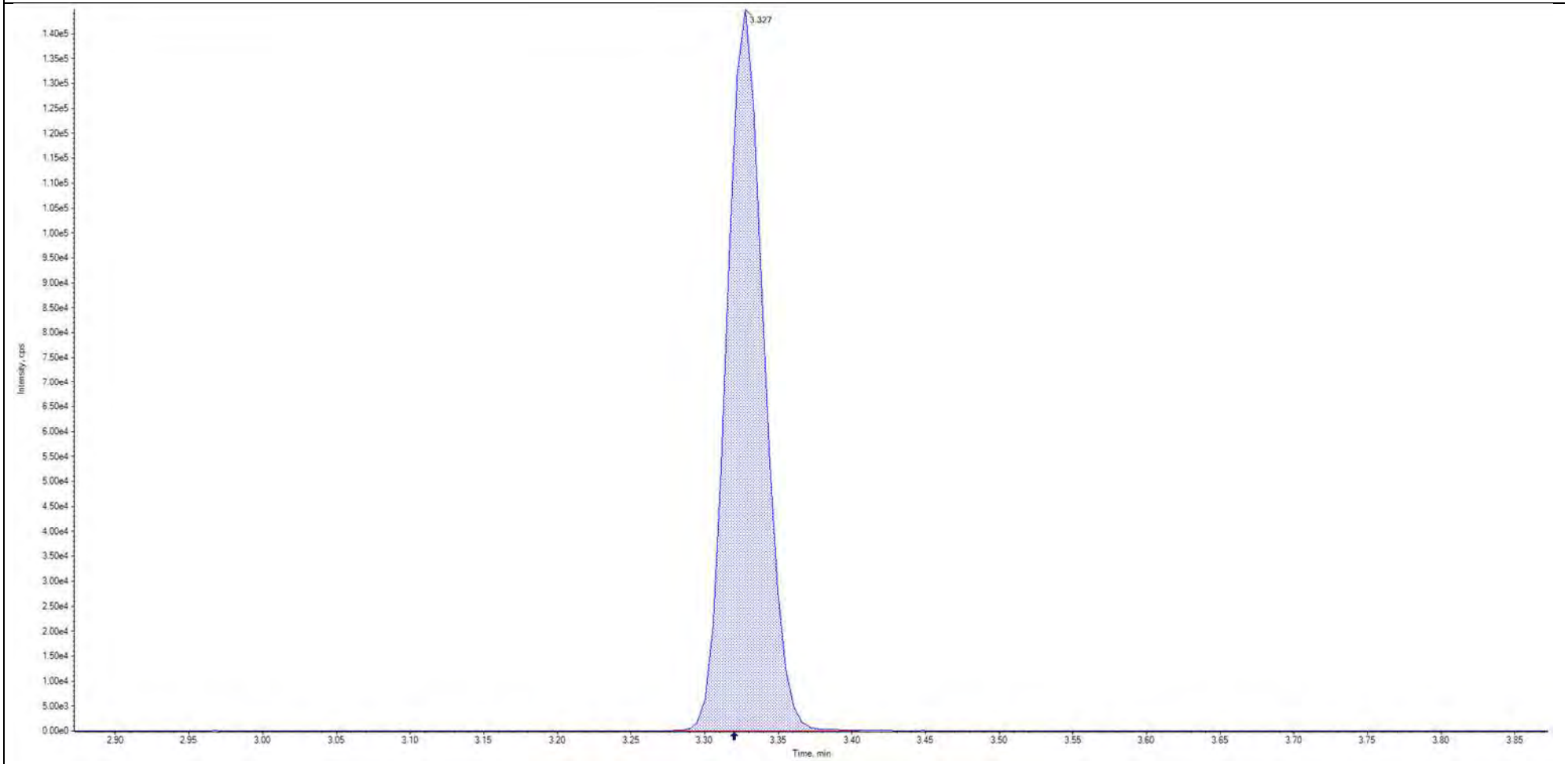
13C4-PFHpA
Sample: CA1633STD-10



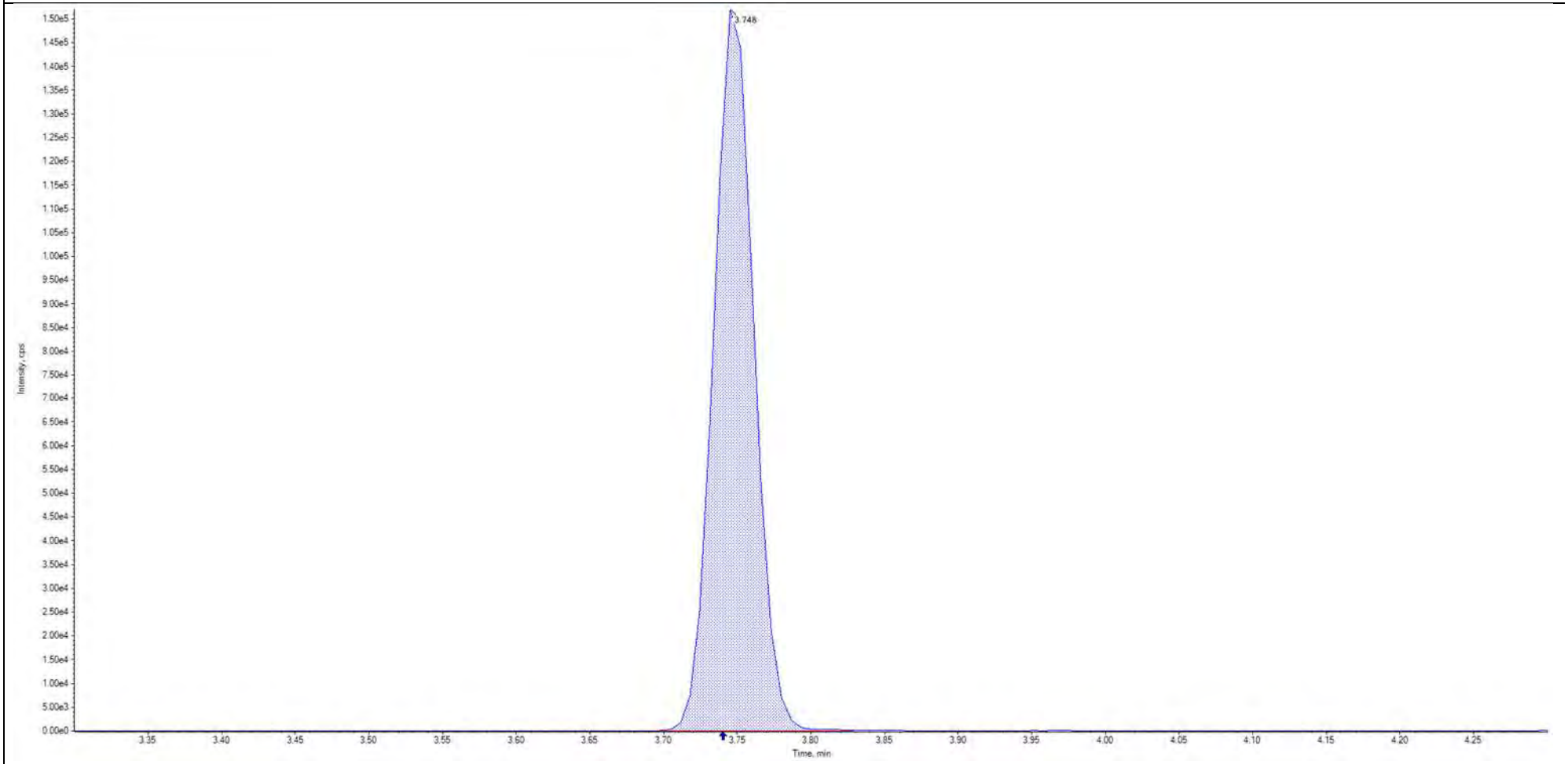
13C8-PFOA
Sample: CA1633STD-10



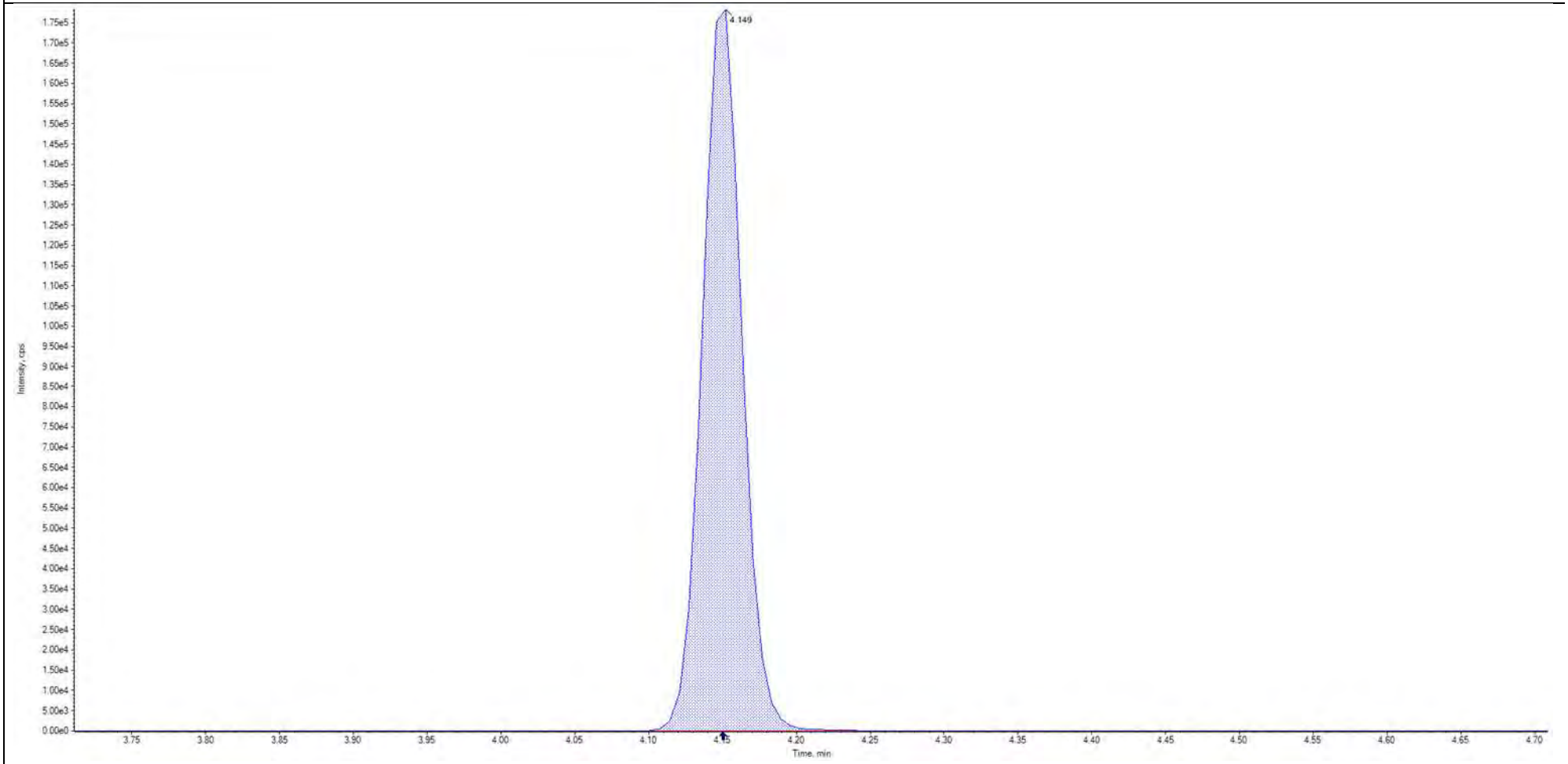
13C9-PFNA
Sample: CA1633STD-10



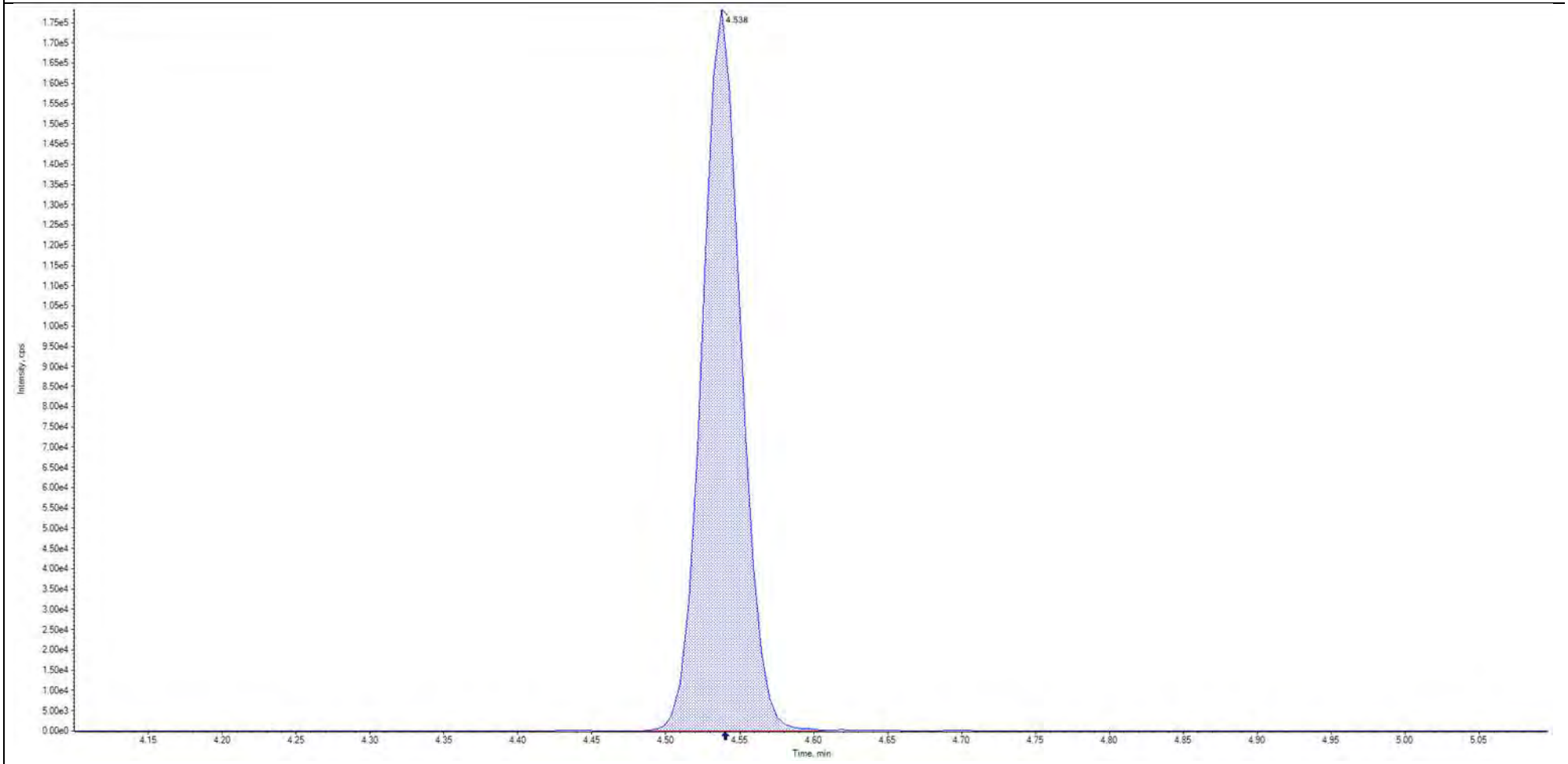
13C6-PFDA
Sample: CA1633STD-10



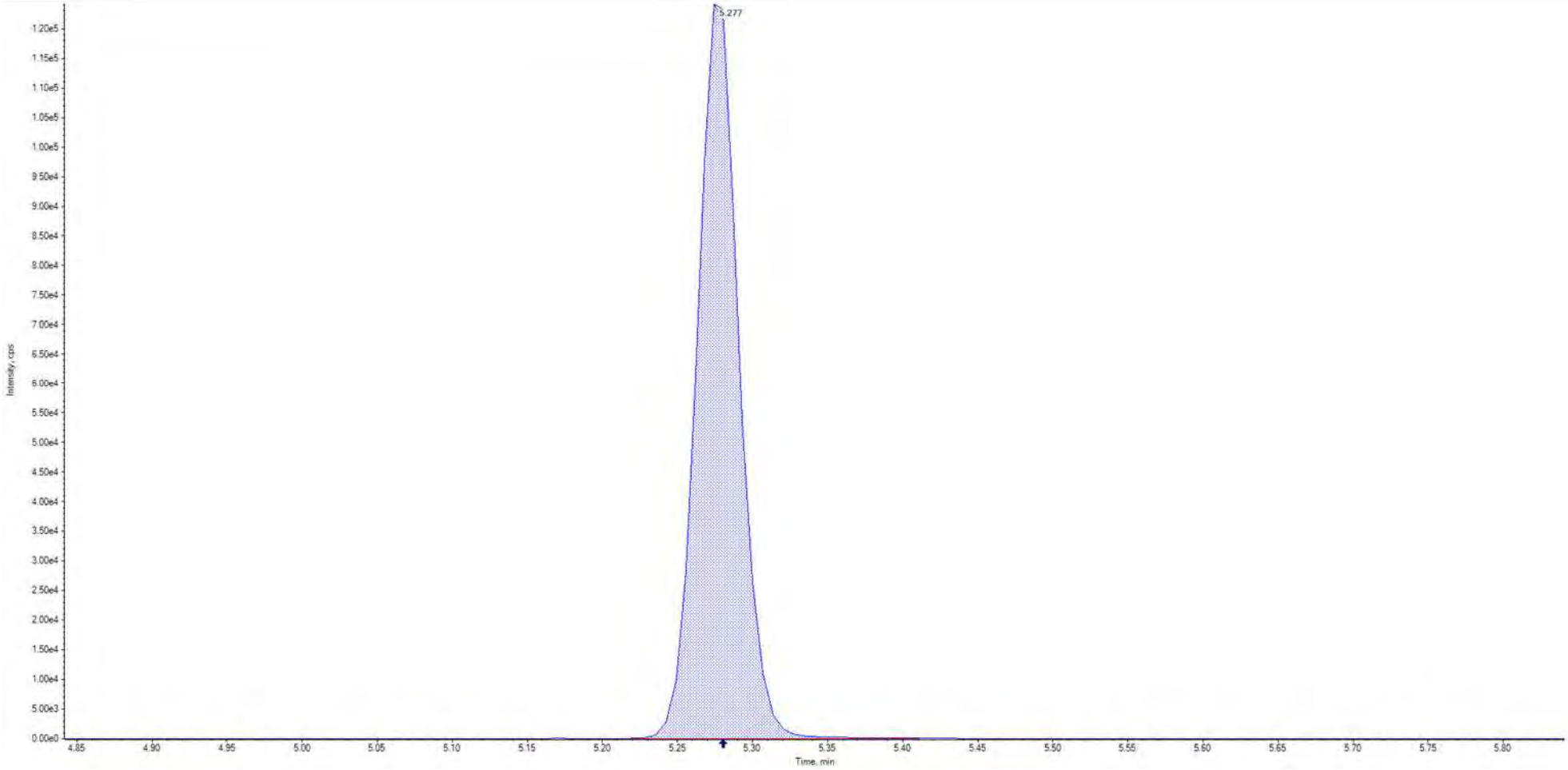
13C7-PFUnA
Sample: CA1633STD-10



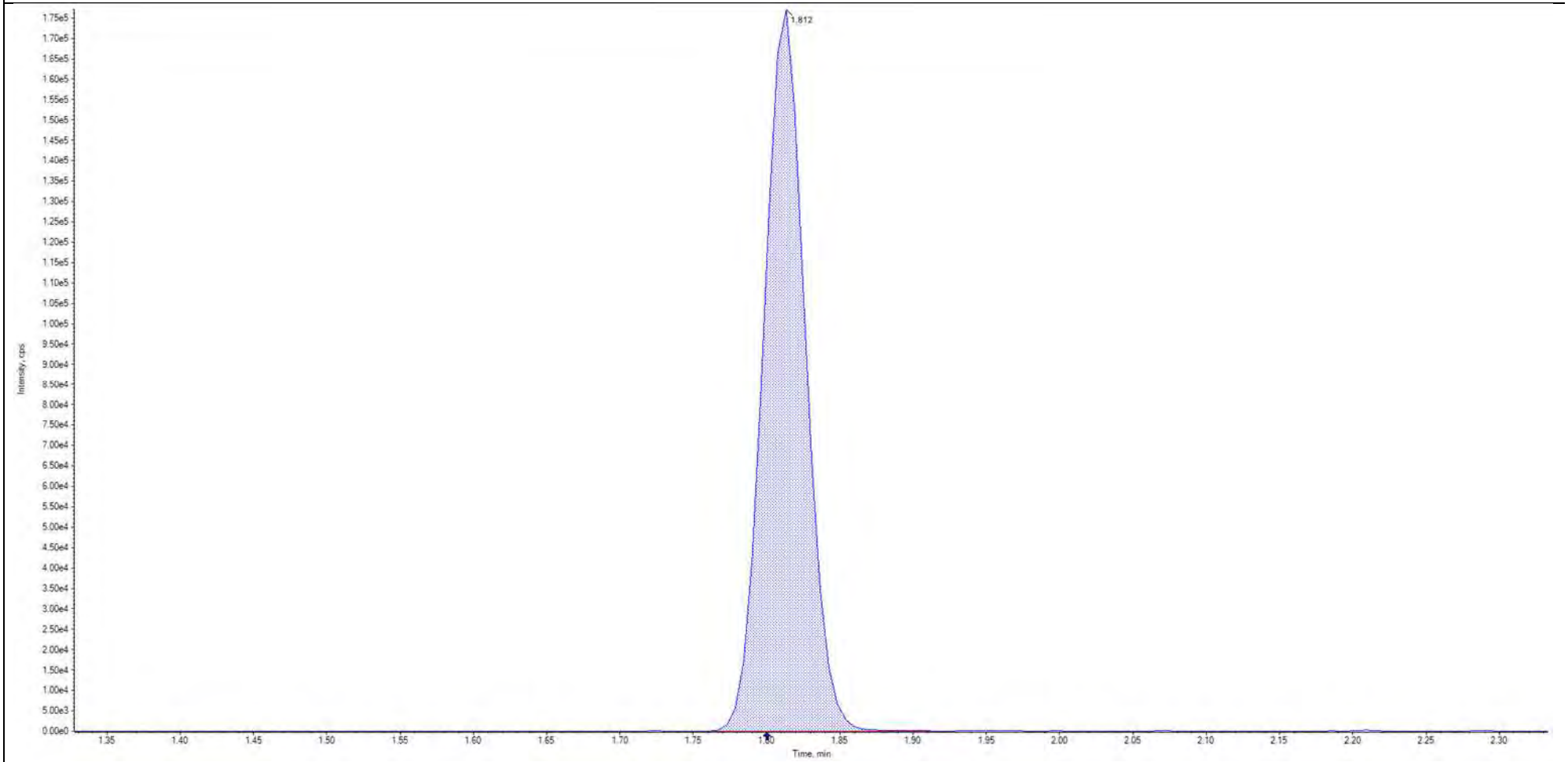
13C2-PFDoA
Sample: CA1633STD-10



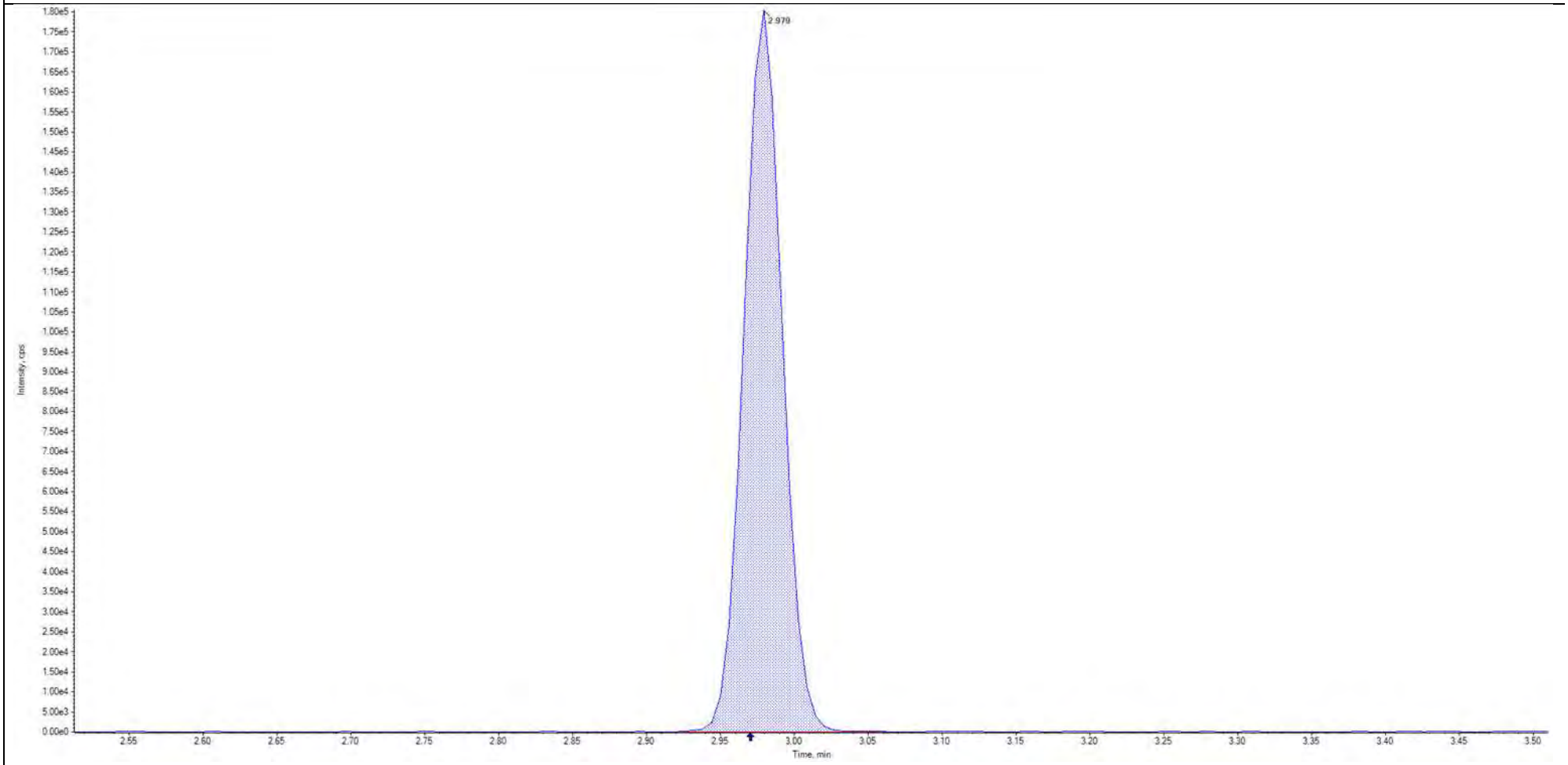
13C2-PFTeDA
Sample: CA1633STD-10



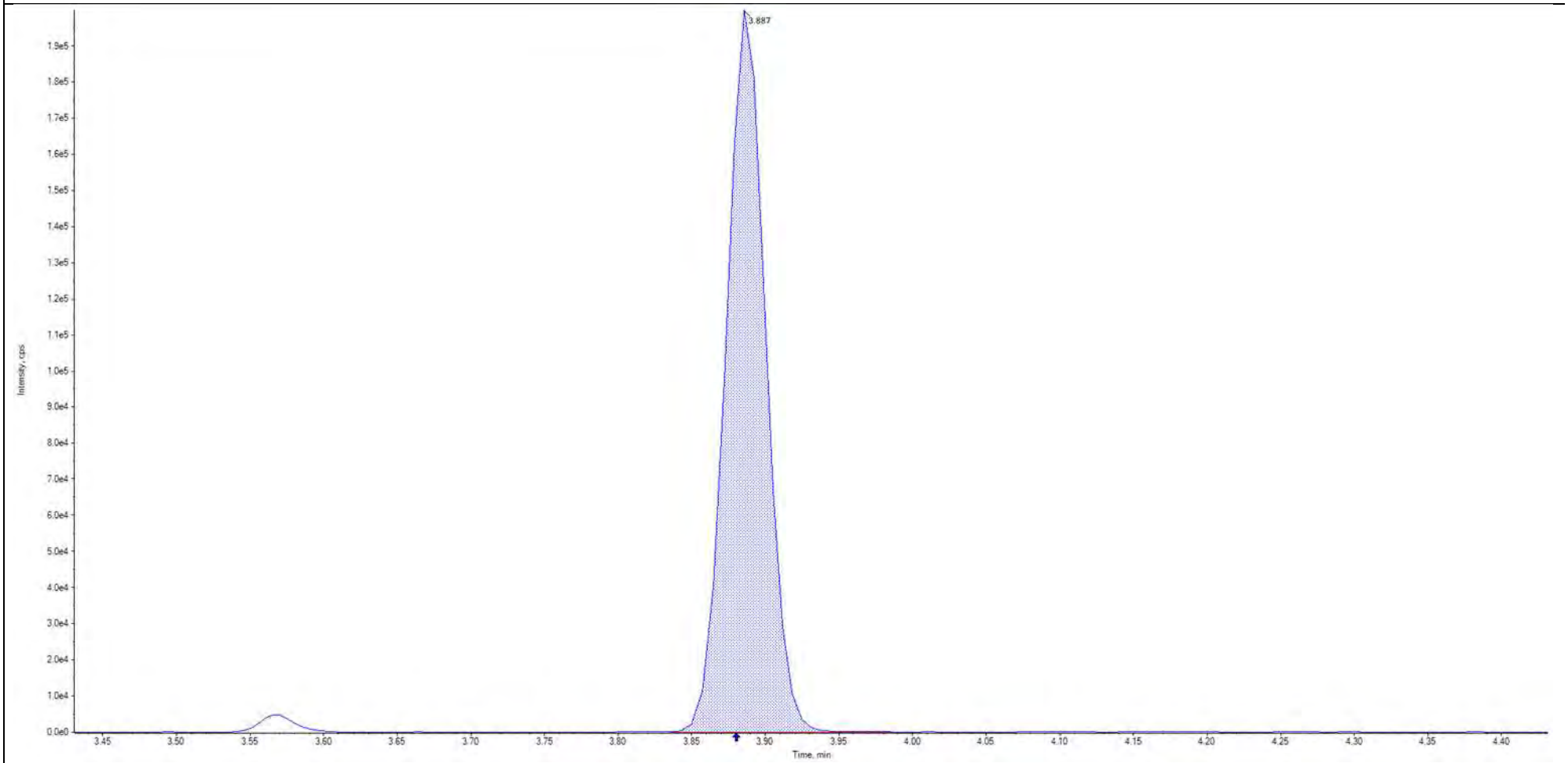
13C3-PFBS
Sample: CA1633STD-10



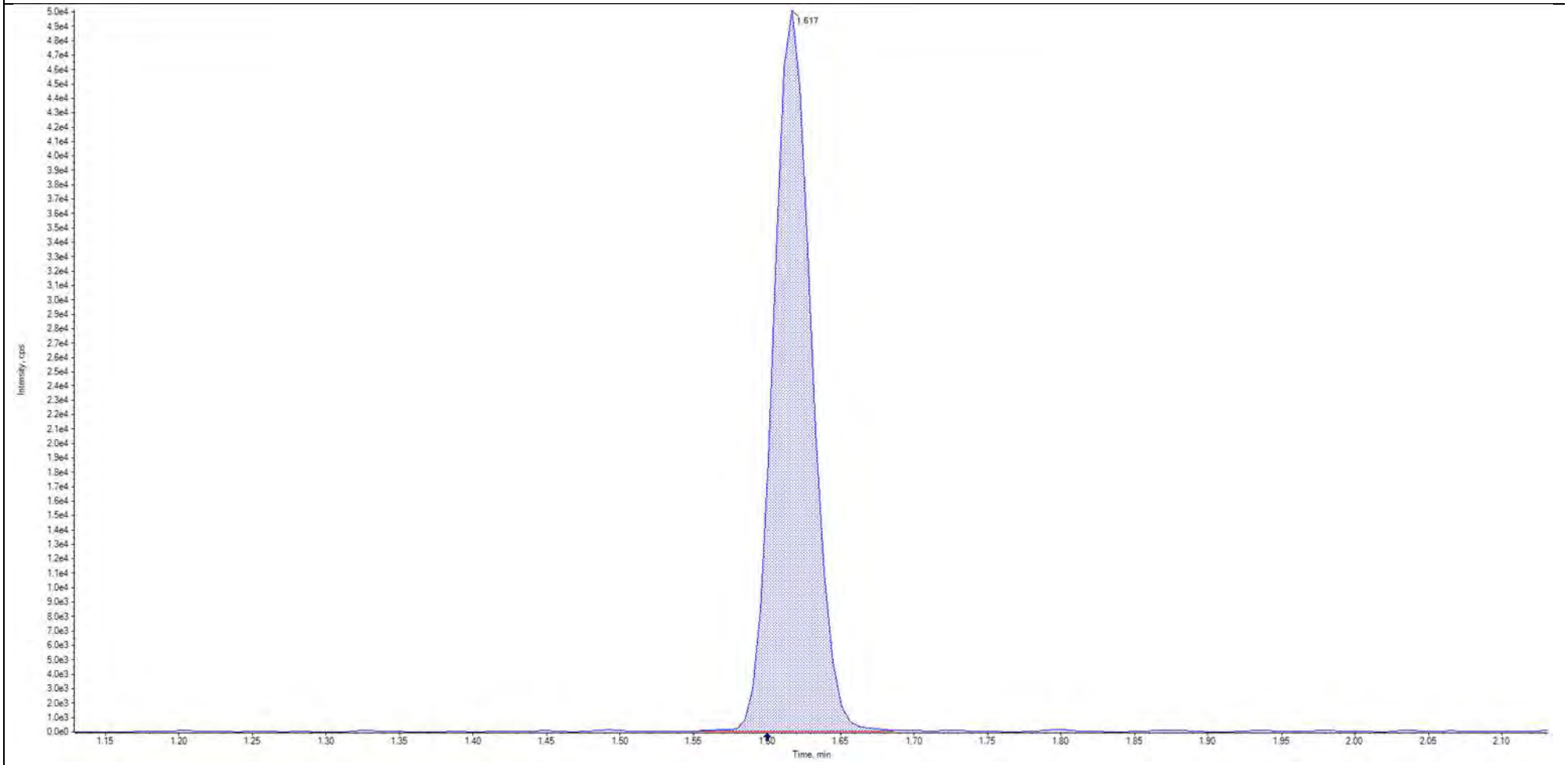
13C3-PFHxS
Sample: CA1633STD-10



13C8-PFOS
Sample: CA1633STD-10

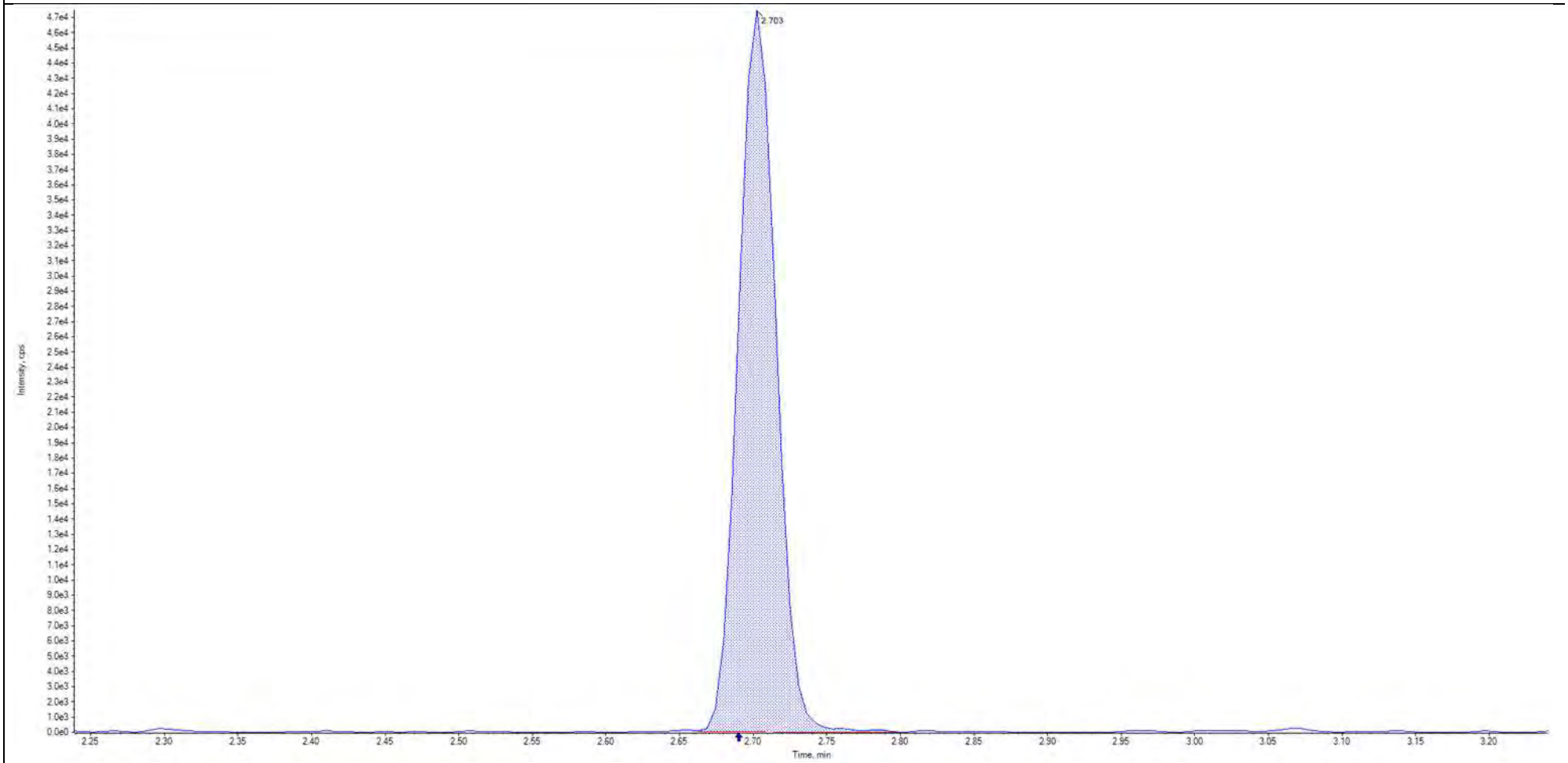


13C2-4:2FTS
Sample: CA1633STD-10

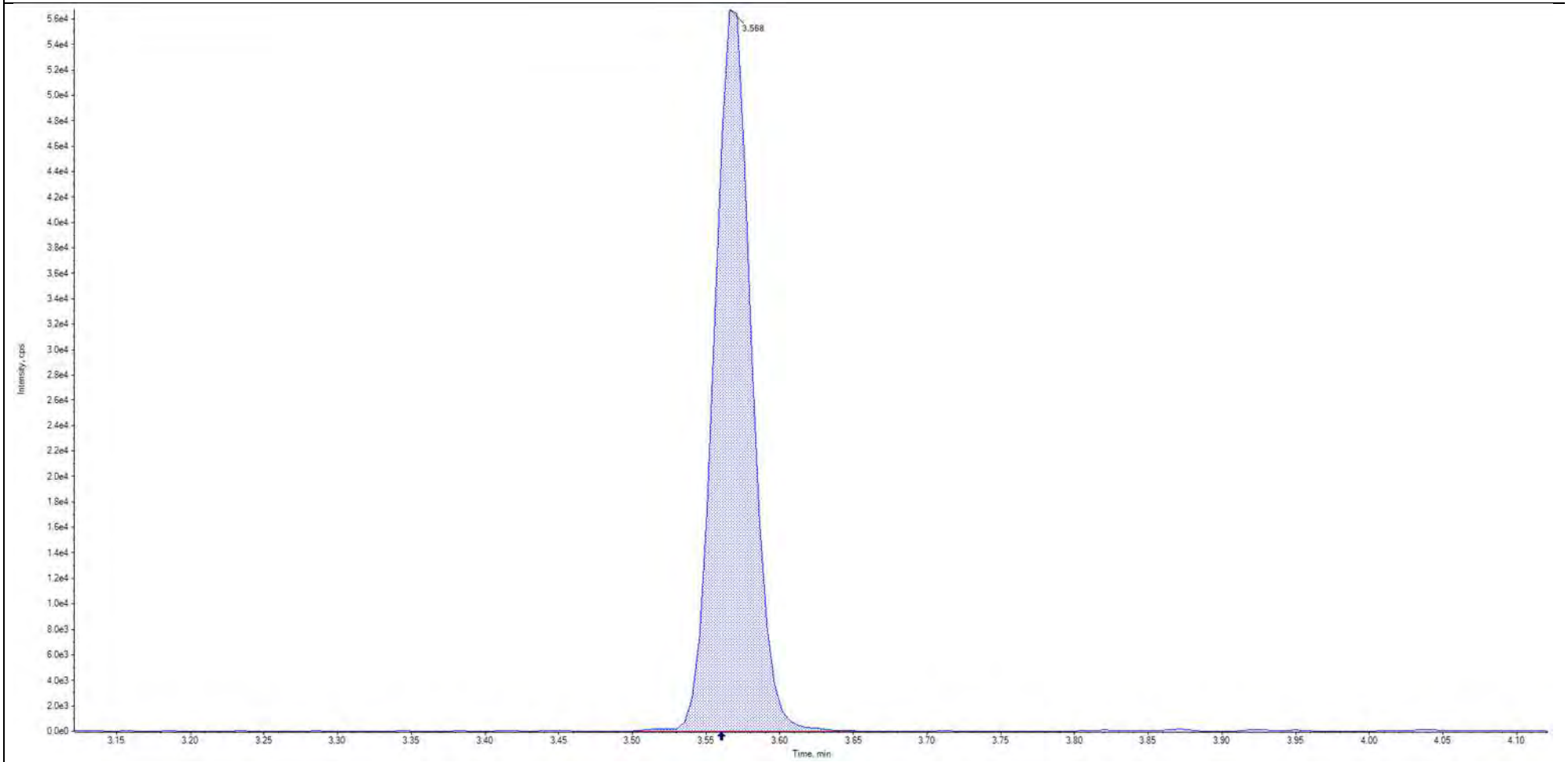


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_27.wiff2_4
Last Altered: 11/12/2024 3:40:23 PM
Generated: 11/12/2024 3:31:45 PM

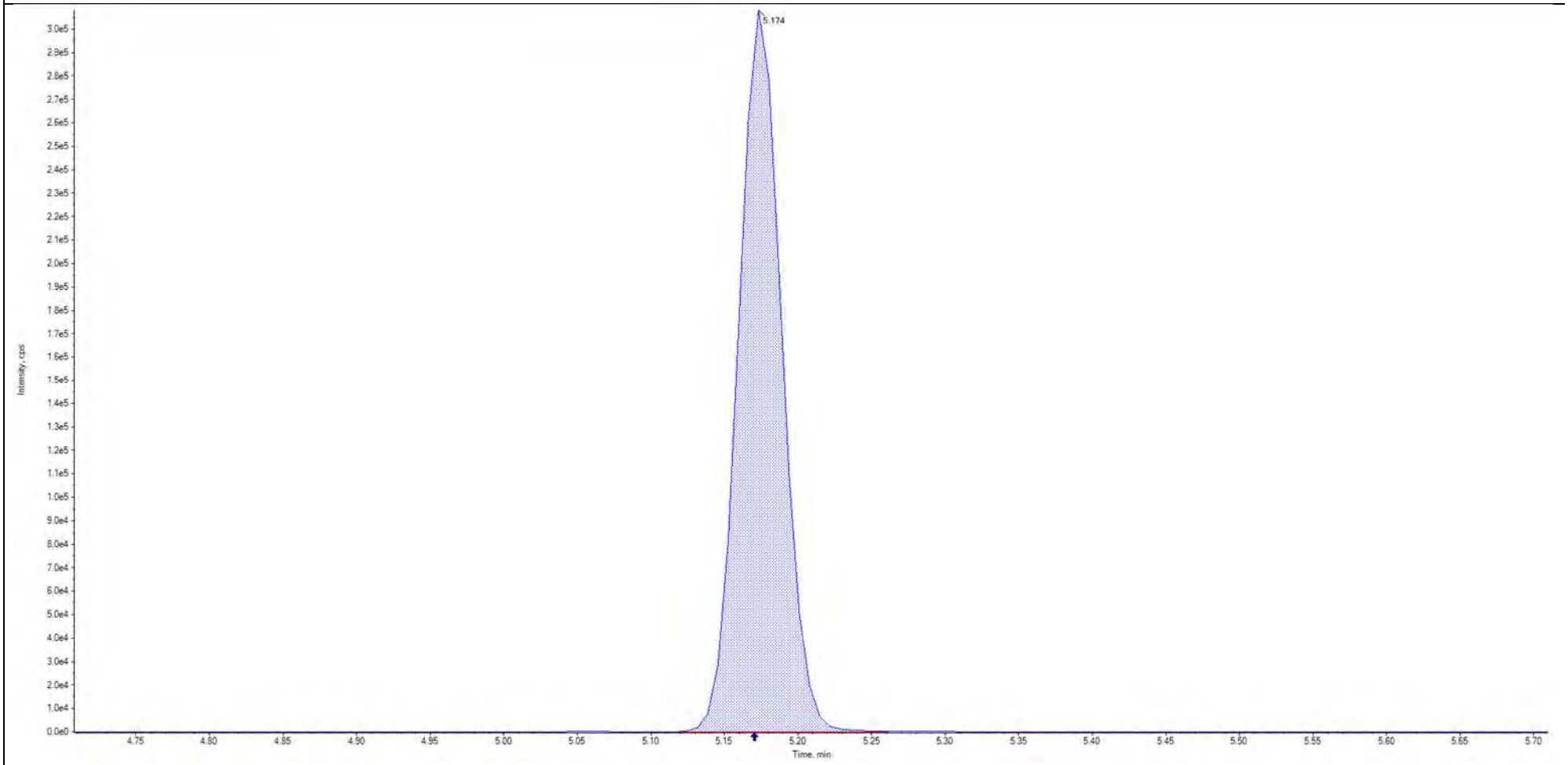
13C2-6:2FTS
Sample: CA1633STD-10



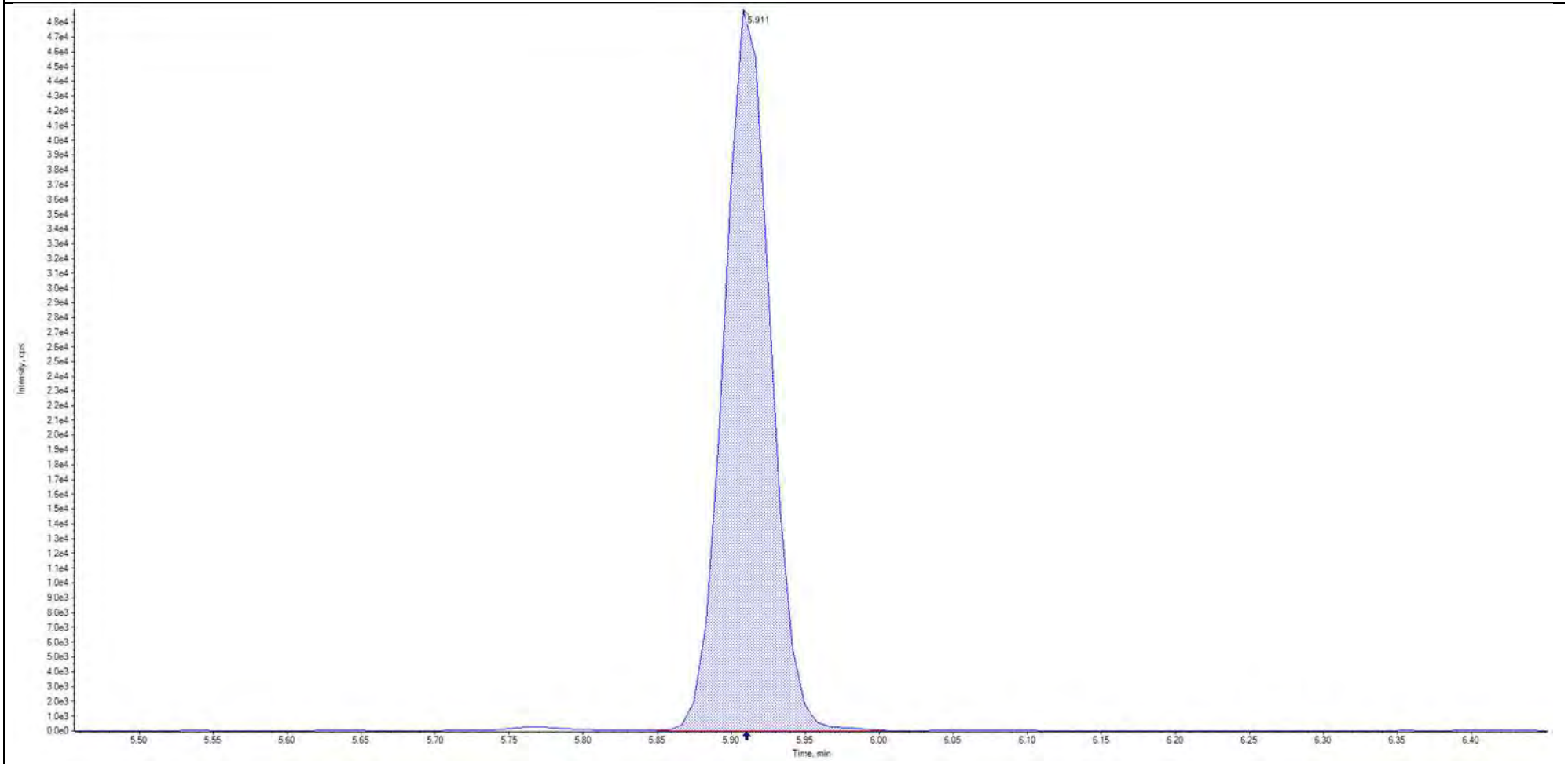
13C2-8:2FTS
Sample: CA1633STD-10



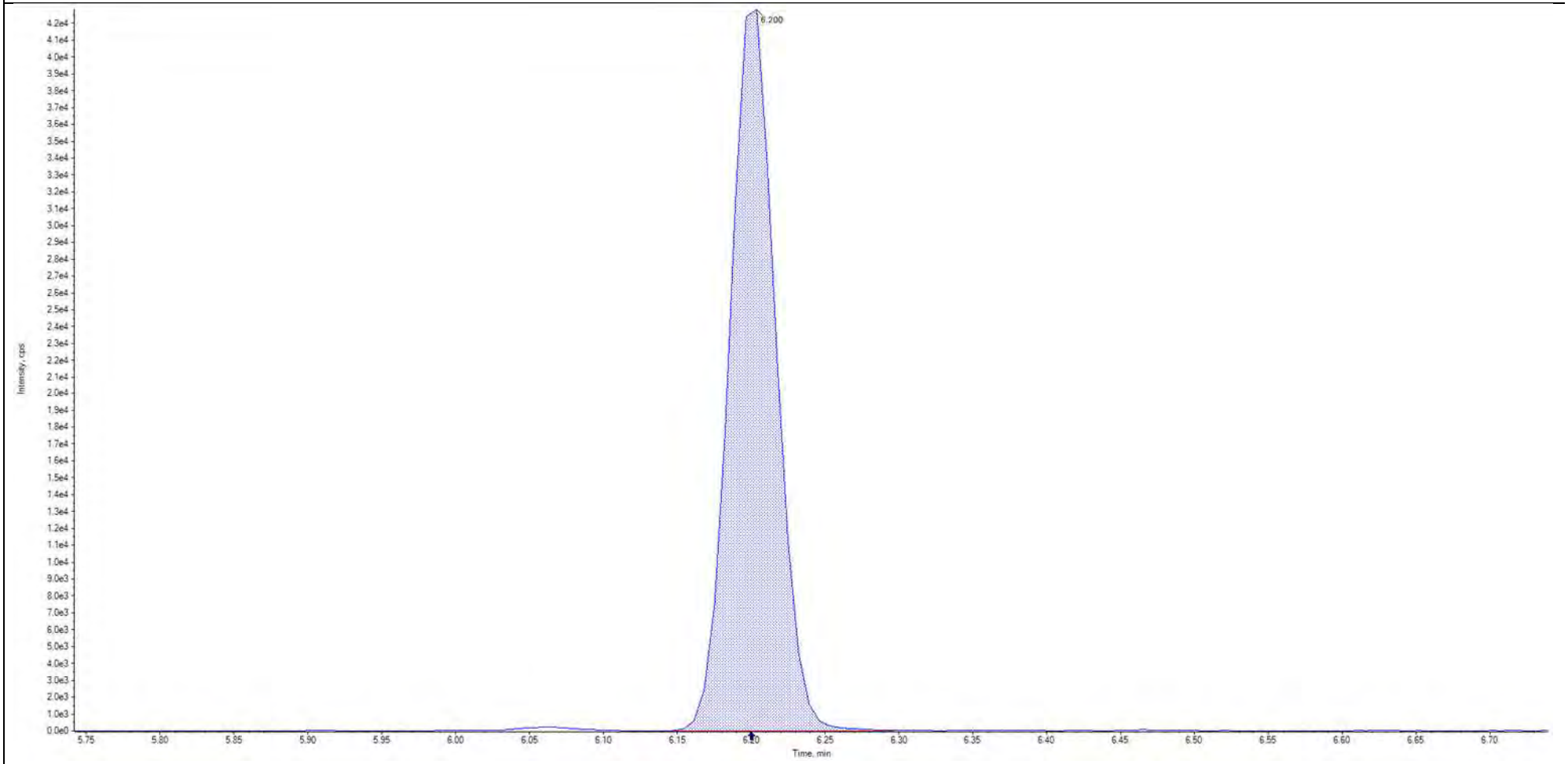
13C8-PFOSA
Sample: CA1633STD-10



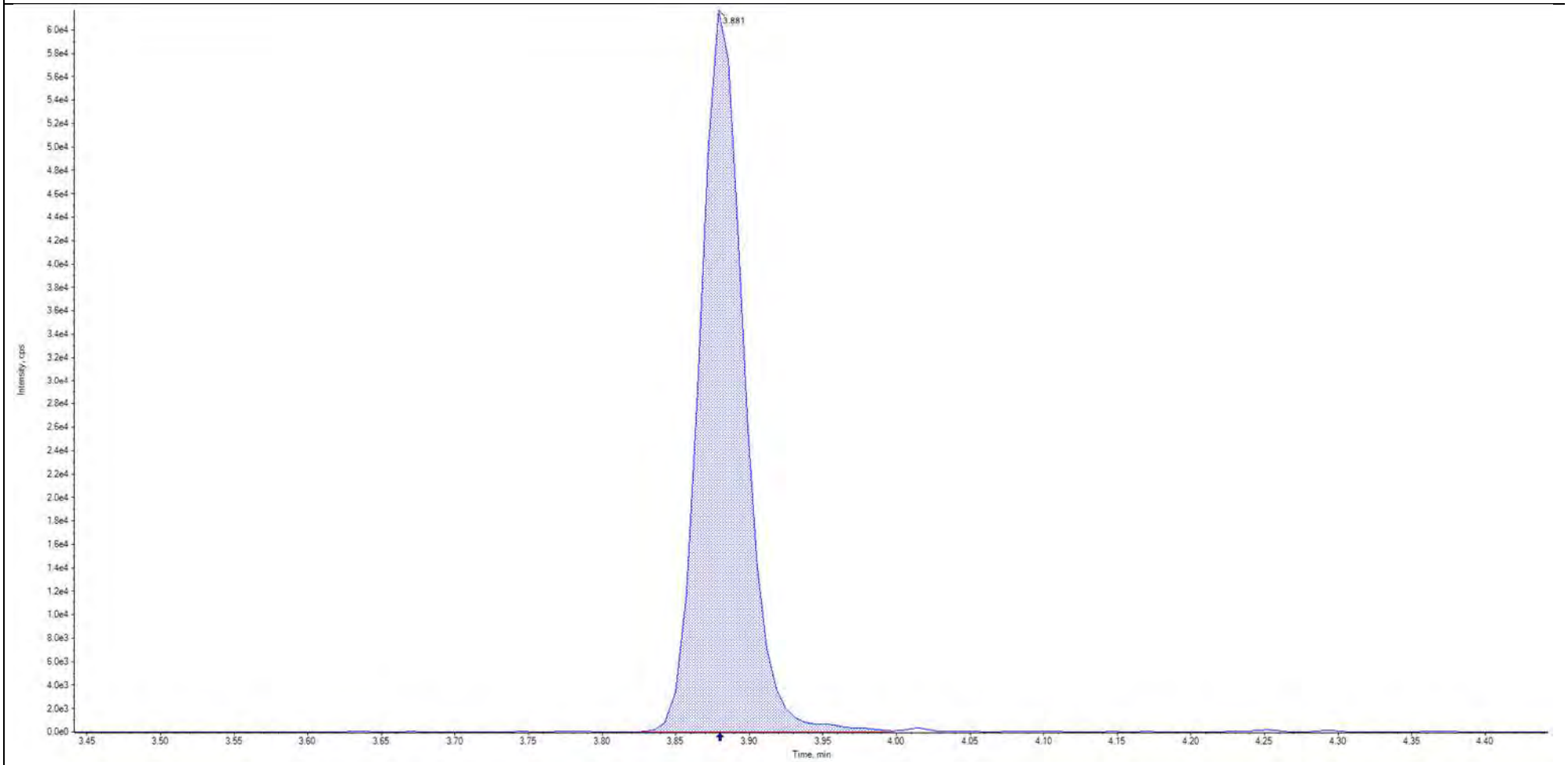
d3-NMeFOSA
Sample: CA1633STD-10



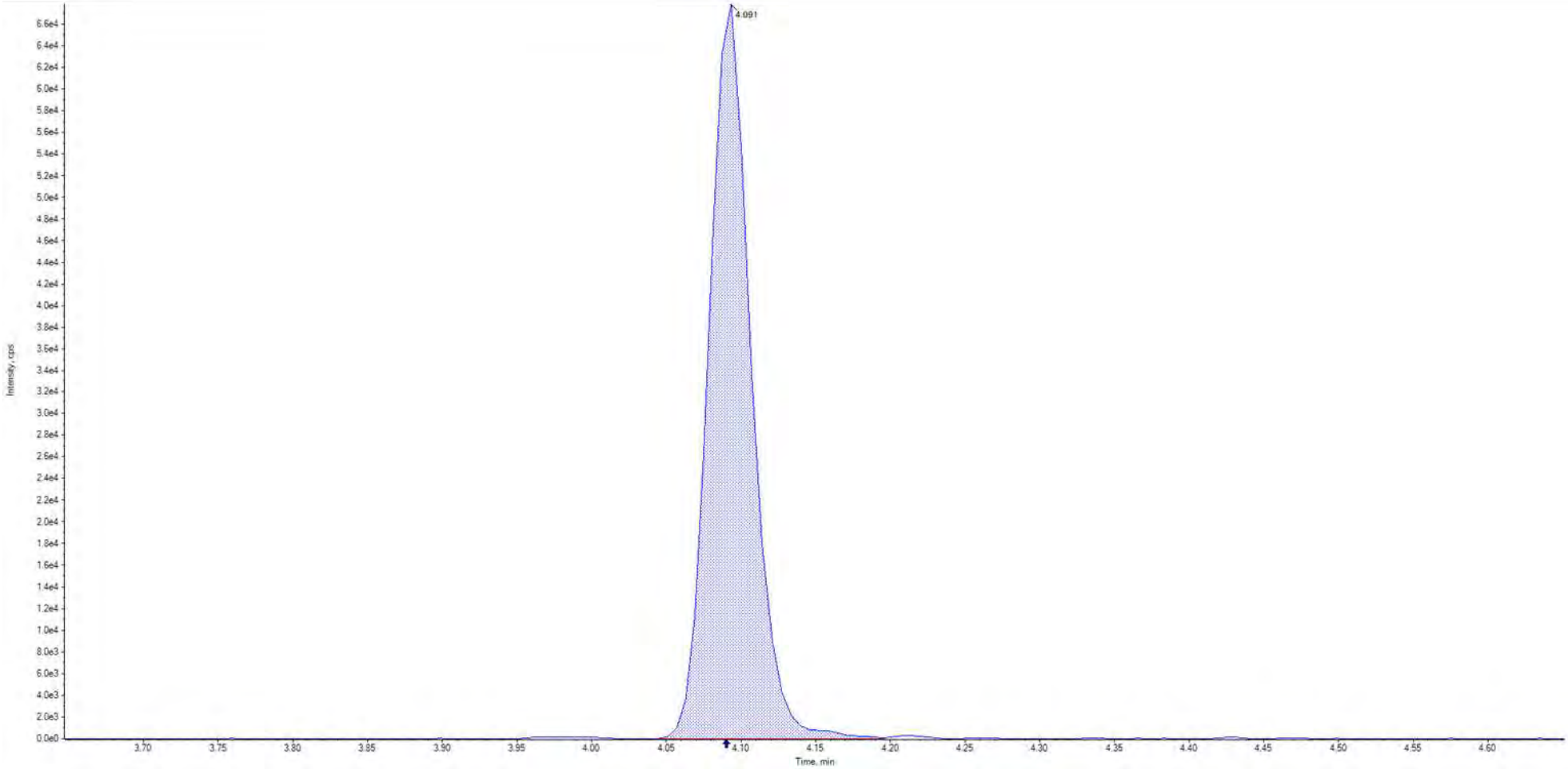
d5-NEtFOSA
Sample: CA1633STD-10



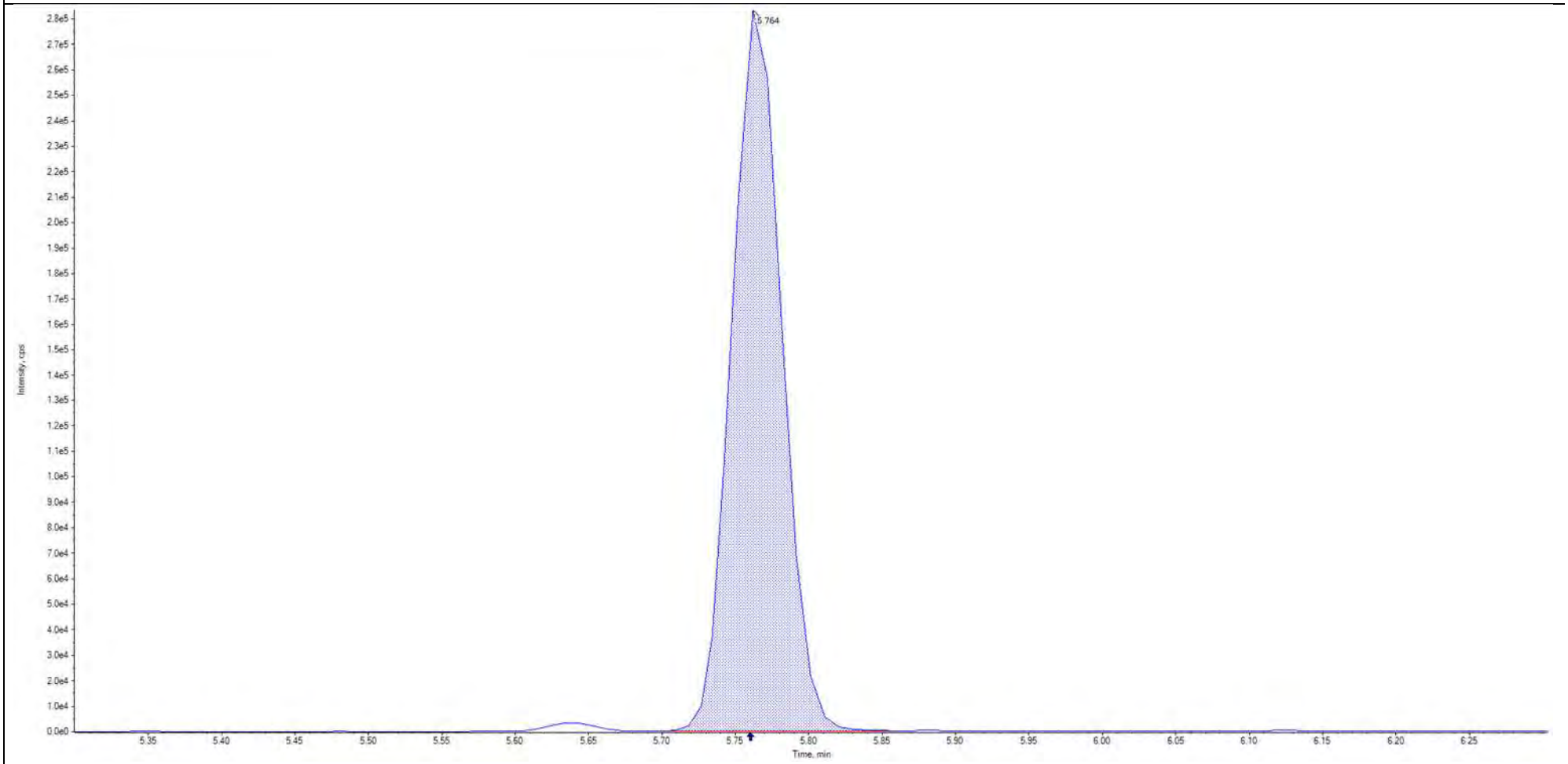
d3-NMeFOSAA
Sample: CA1633STD-10



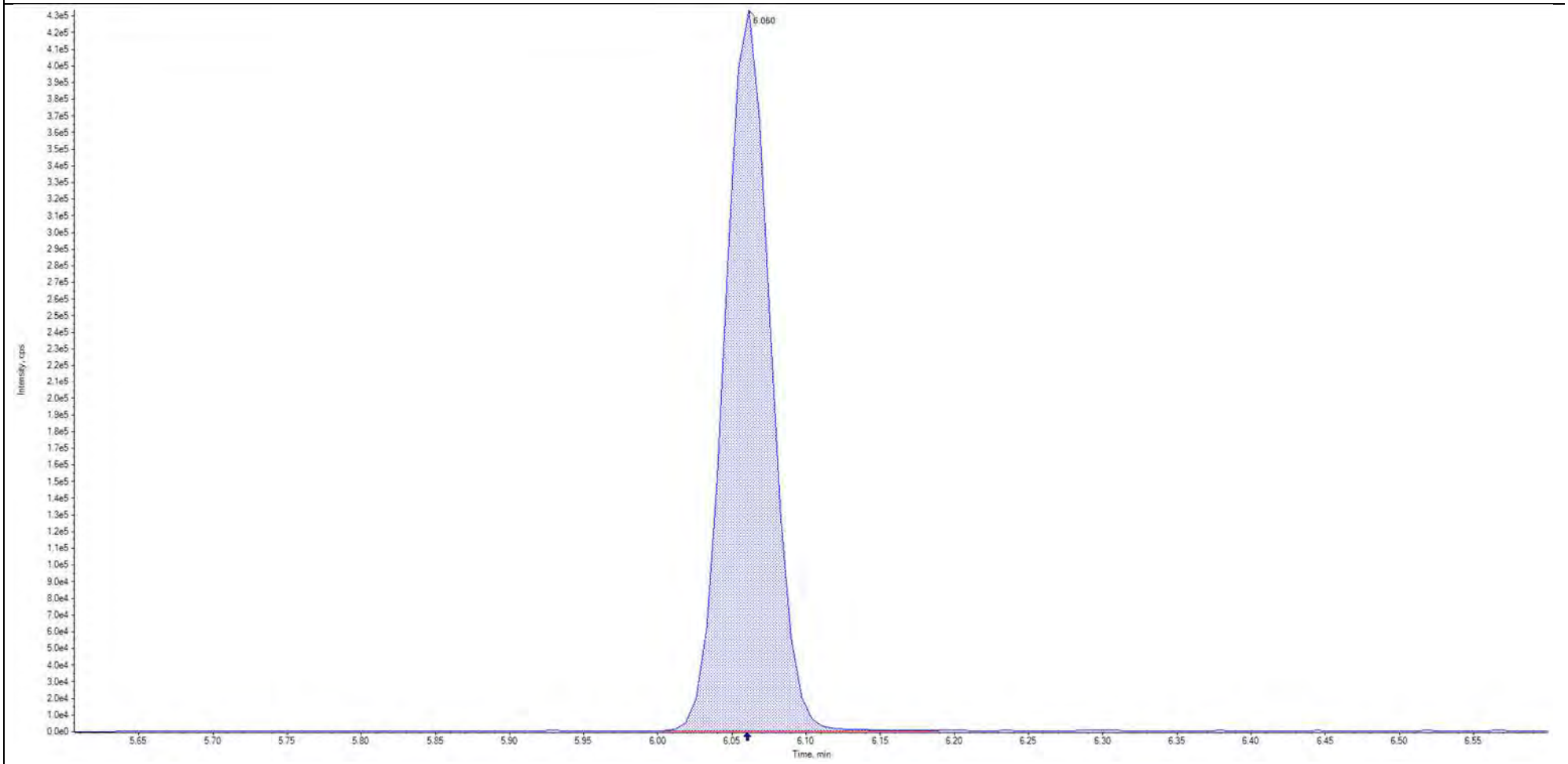
d5-NEtFOSAA
Sample: CA1633STD-10



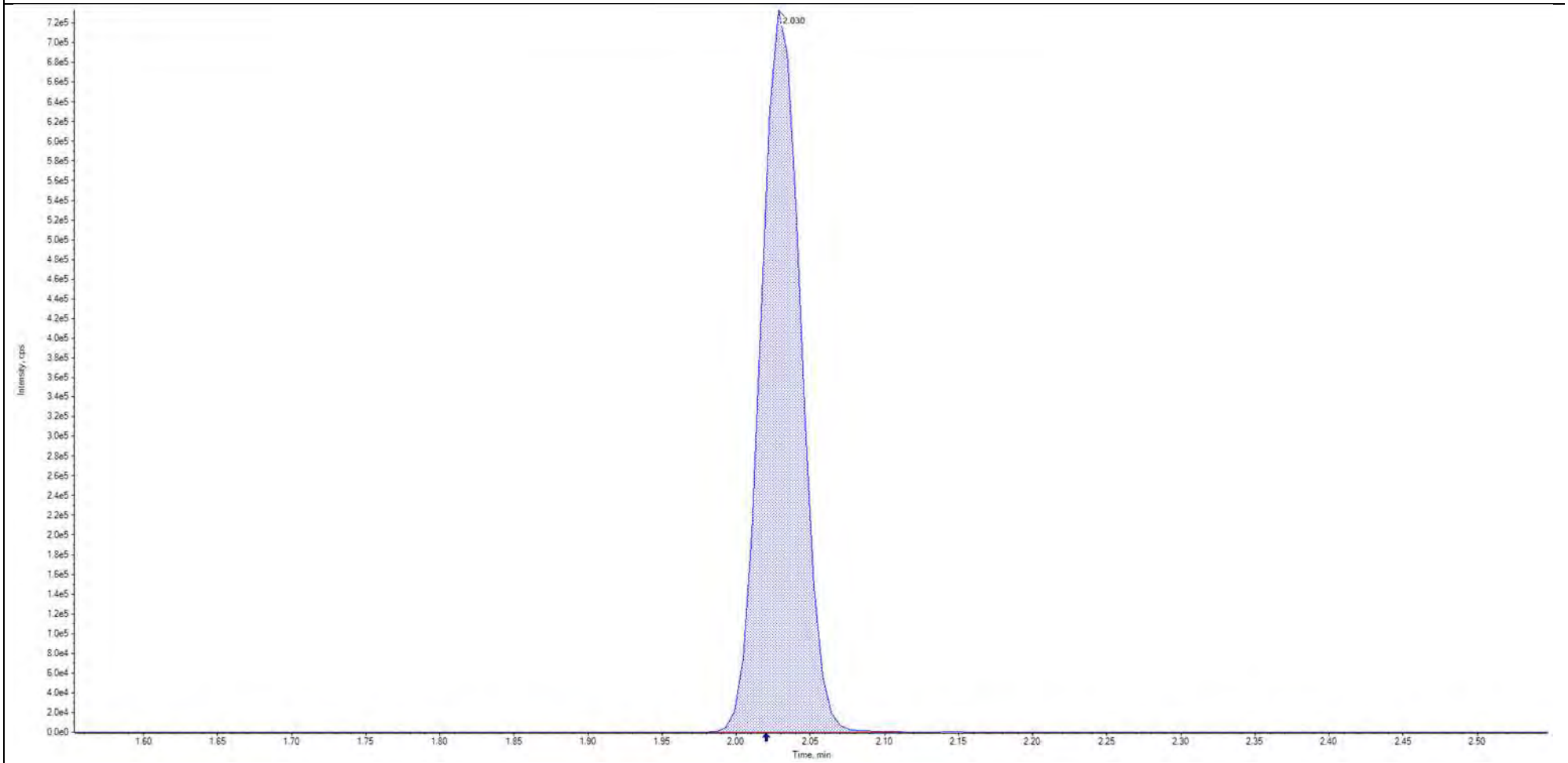
d7-NMeFOSE
Sample: CA1633STD-10



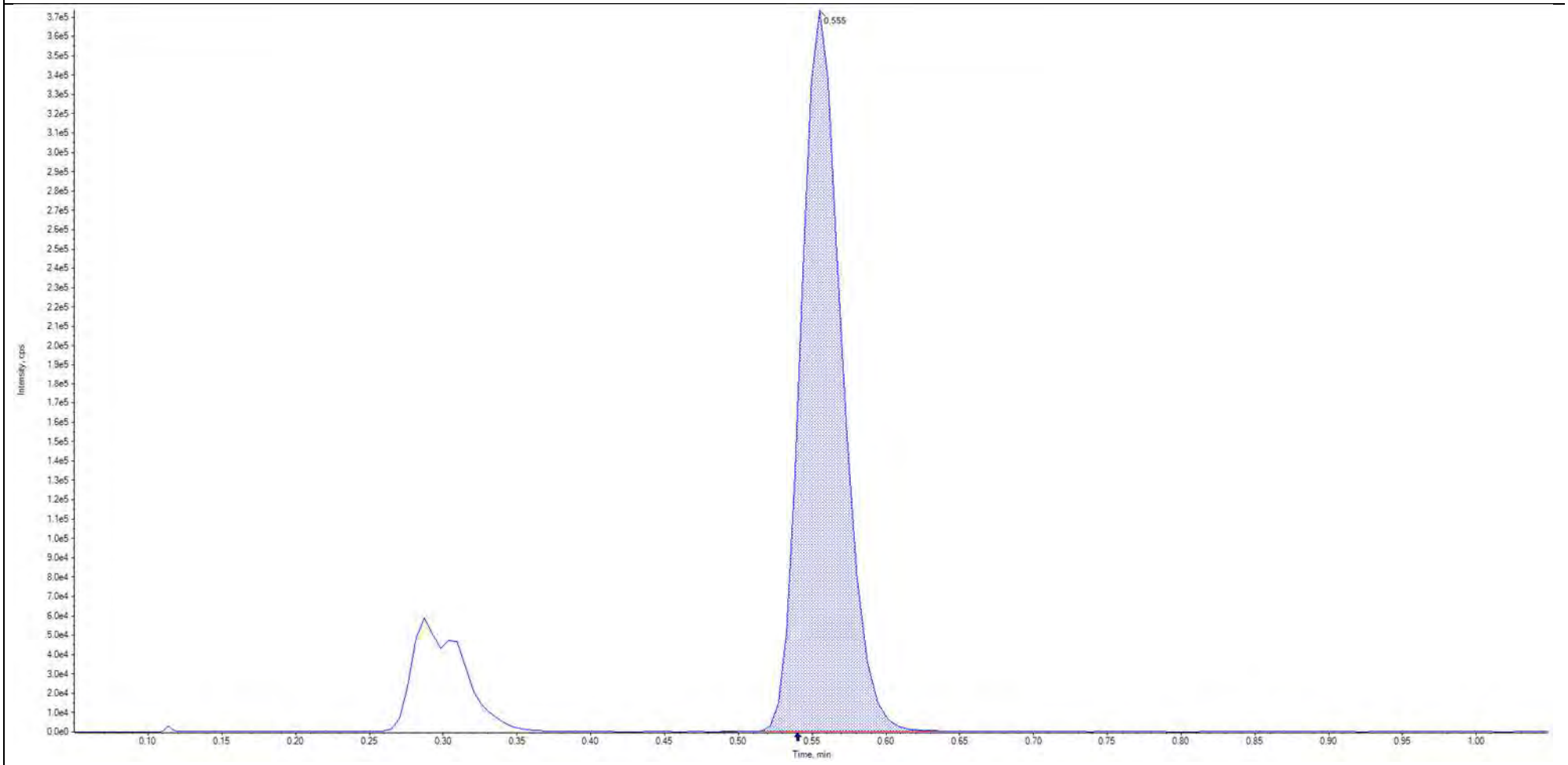
d9-NEtFOSE
Sample: CA1633STD-10



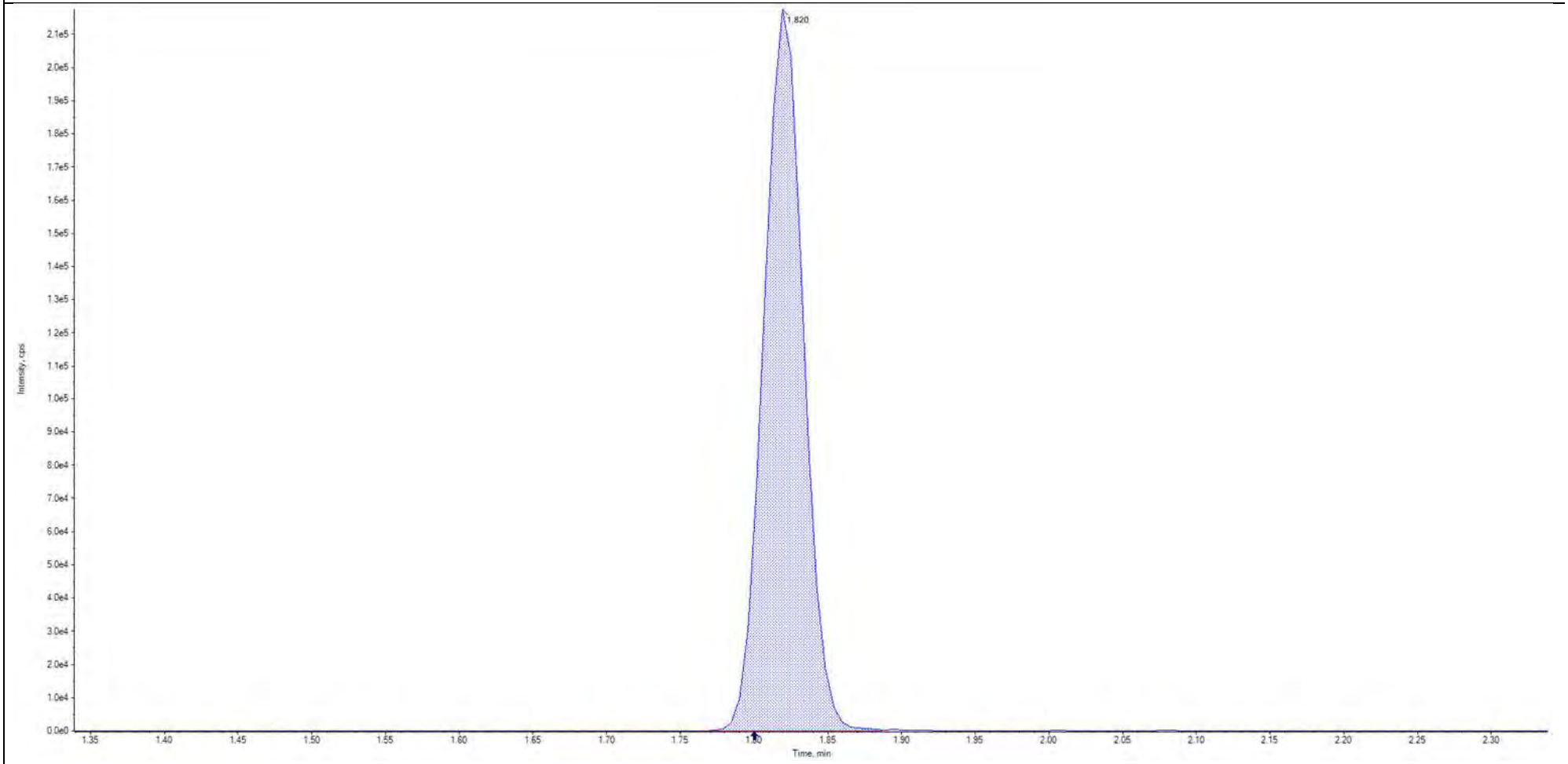
13C3-HFPO-DA
Sample: CA1633STD-10



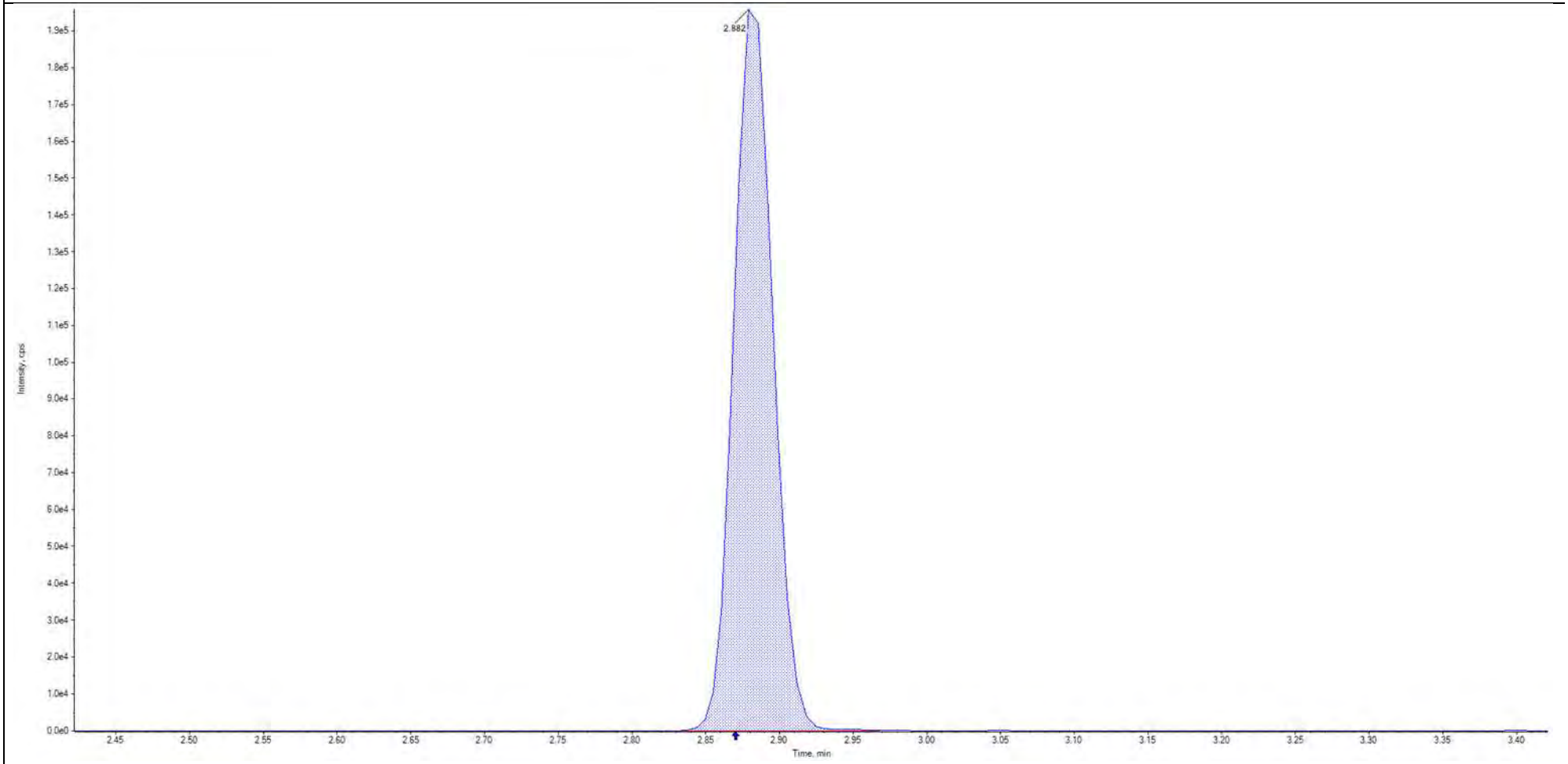
13C3-PFBA
Sample: CA1633STD-10



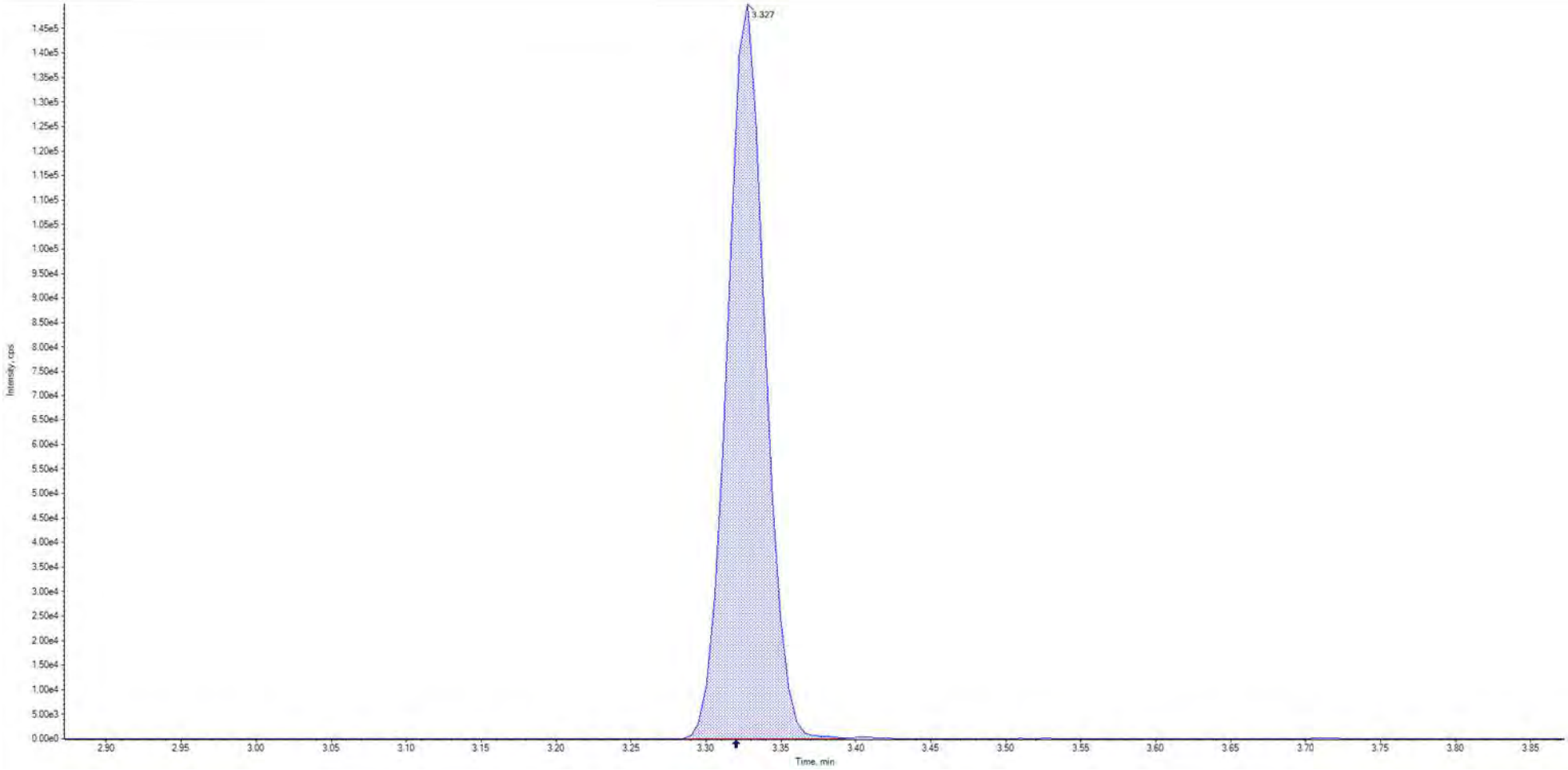
13C2-PFHxA
Sample: CA1633STD-10



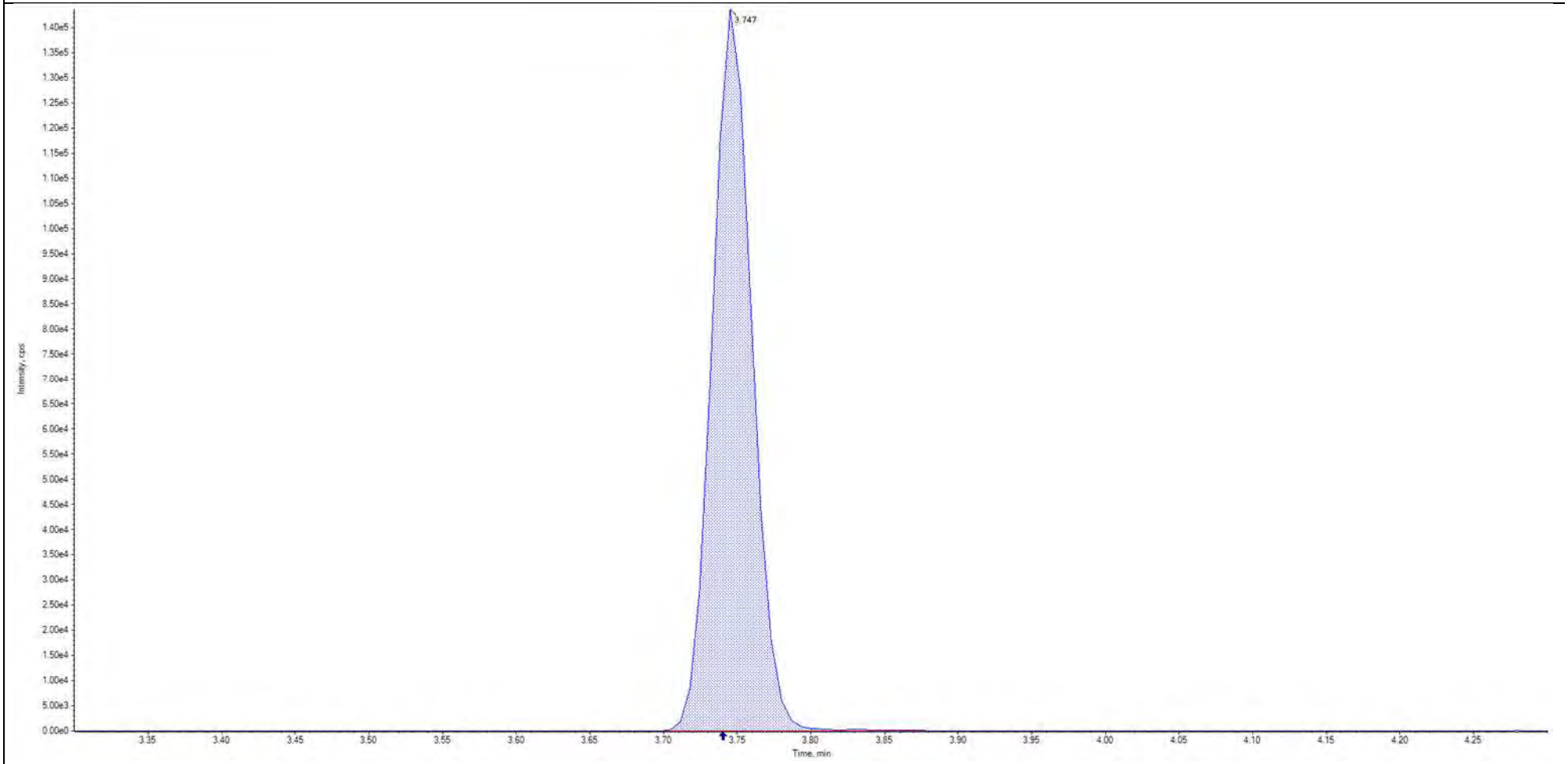
13C4-PFOA
Sample: CA1633STD-10



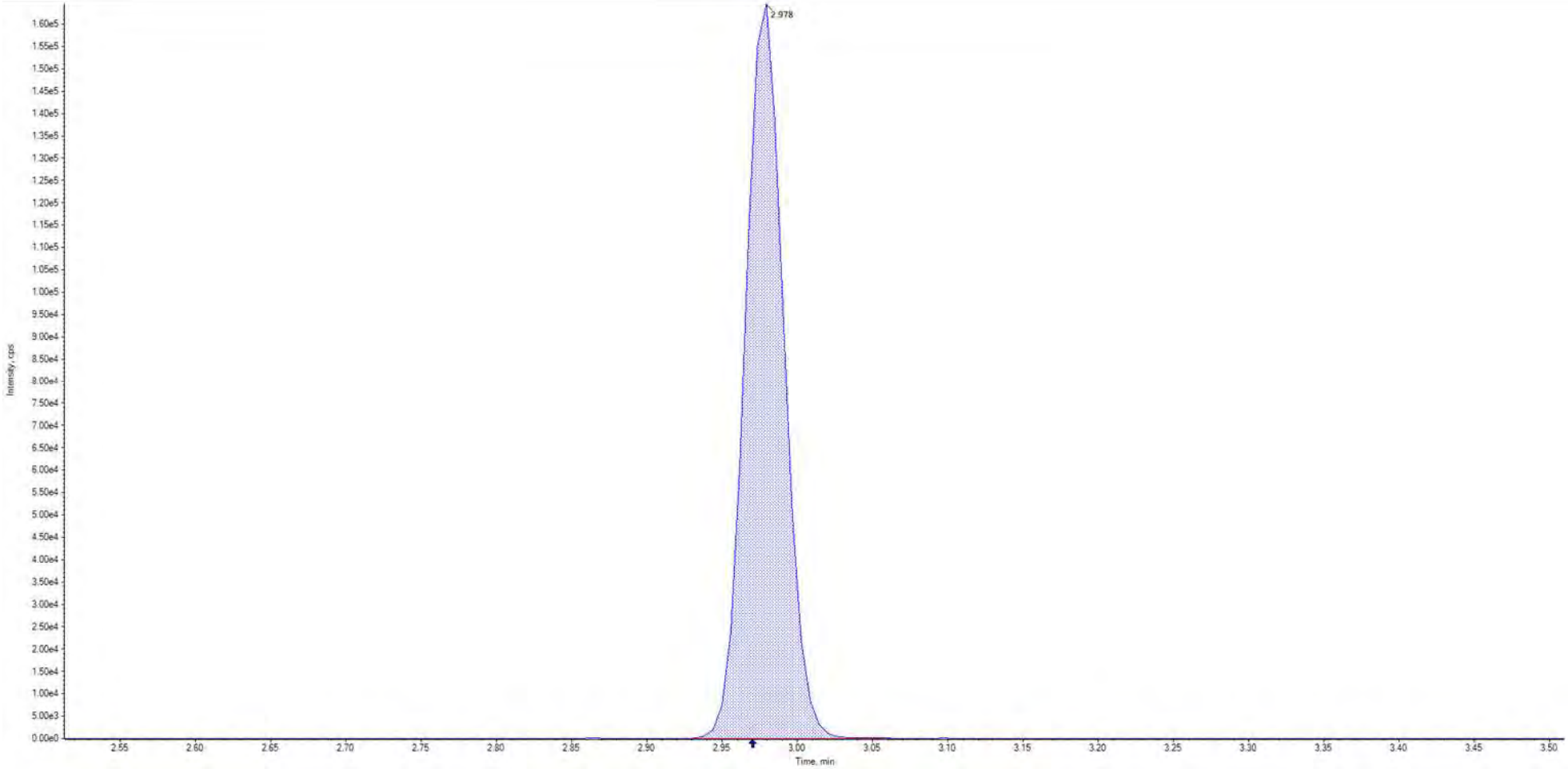
13C5-PFNA
Sample: CA1633STD-10



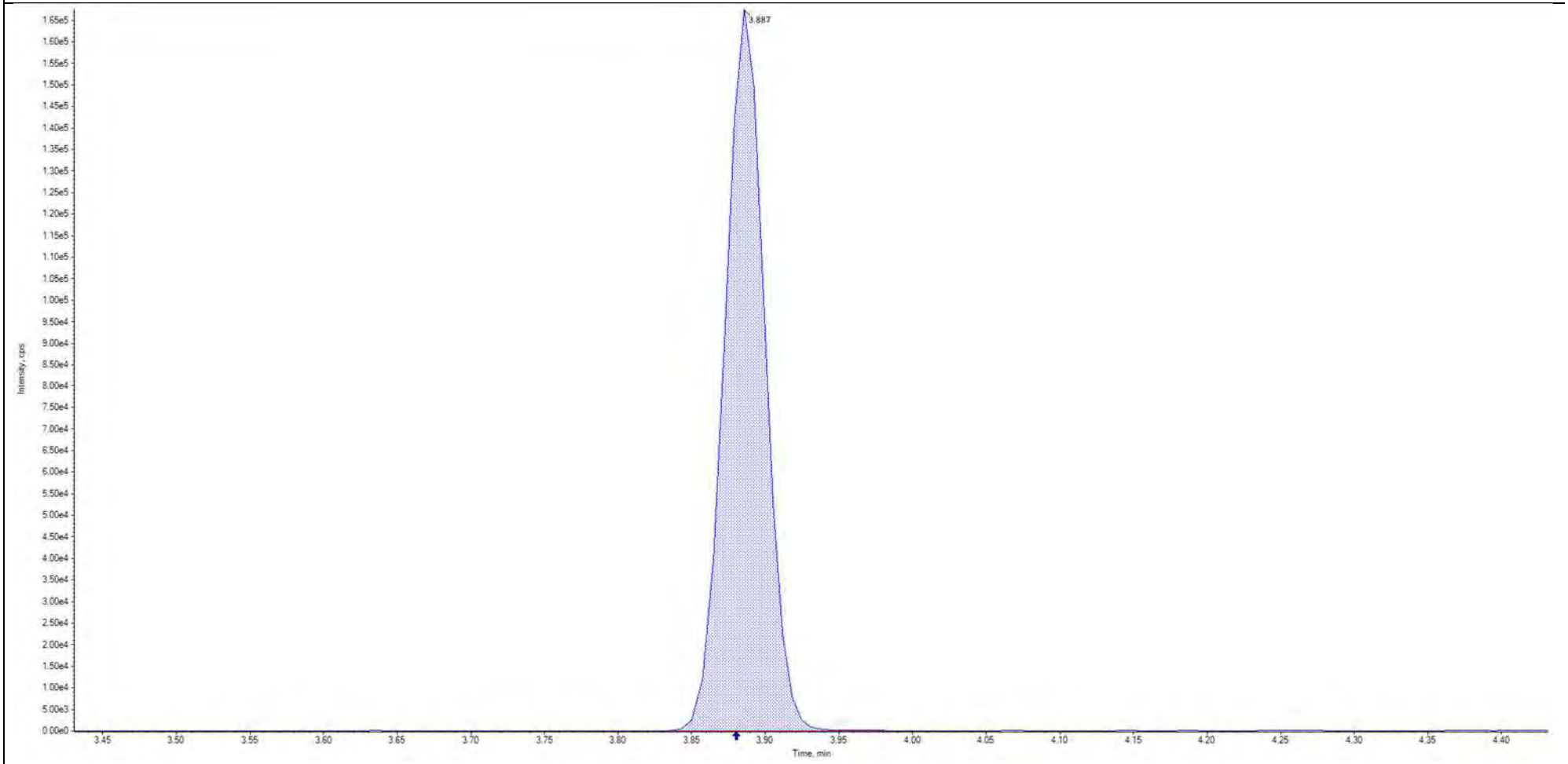
13C2-PFDA
Sample: CA1633STD-10



18O2-PFHxS
Sample: CA1633STD-10



13C4-PFOS
Sample: CA1633STD-10



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241112\SCI09_241112_27.wiff2_4
Last Altered: 11/12/2024 3:40:23 PM
Generated: 11/12/2024 3:31:45 PM

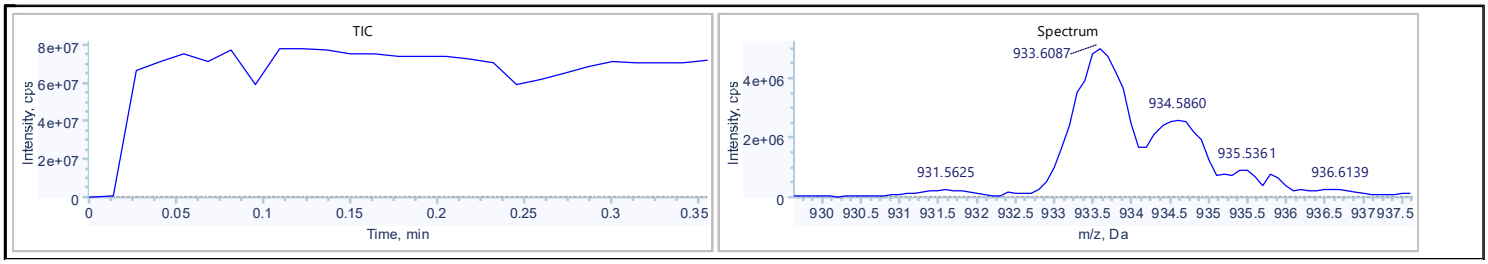
Instrument Verification Report

10/29/2024 1:35 PM

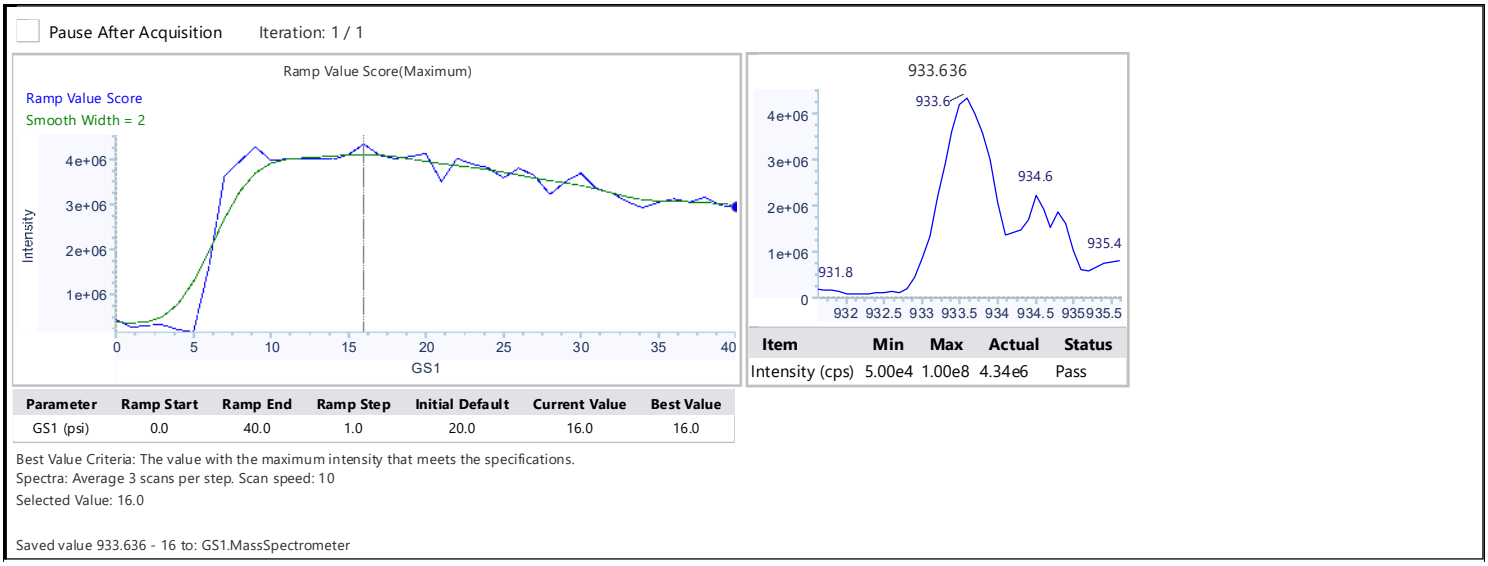
Instrument Name:	SCIEX Triple Quad 5500+	**Manufacturer:**	AB Sciex
Instrument Model:	TripleQuad5500+	**Target Instrument:**	TripleQuad5500+
Ion Source:	TurboIonSpray	**Optimization Set:**	5500+ MS Scan Verification
Serial Number:	EX235302209	**Doc Num Revision:**	TripleQuad5500+PickSetVerify Eng
User Name:	A2-LCMS08		

1. Negative Prerequisites

Step	Result	Details
Achieve Stable Spray Neg	Pass	



Step	Result	Details
Optimize Gas 1 Neg	Pass	Found best GS1 (psi) value of 16



Item	Min	Max	Actual	Status
Intensity (cps)	5.00e4	1.00e8	4.34e6	Pass

Parameter	Ramp Start	Ramp End	Ramp Step	Initial Default	Current Value	Best Value
GS1 (psi)	0.0	40.0	1.0	20.0	16.0	16.0

Best Value Criteria: The value with the maximum intensity that meets the specifications.
Spectra: Average 3 scans per step. Scan speed: 10
Selected Value: 16.0

Saved value 933.636 - 16 to: GS1.MassSpectrometer

2. Negative Q1 Unit Resolution

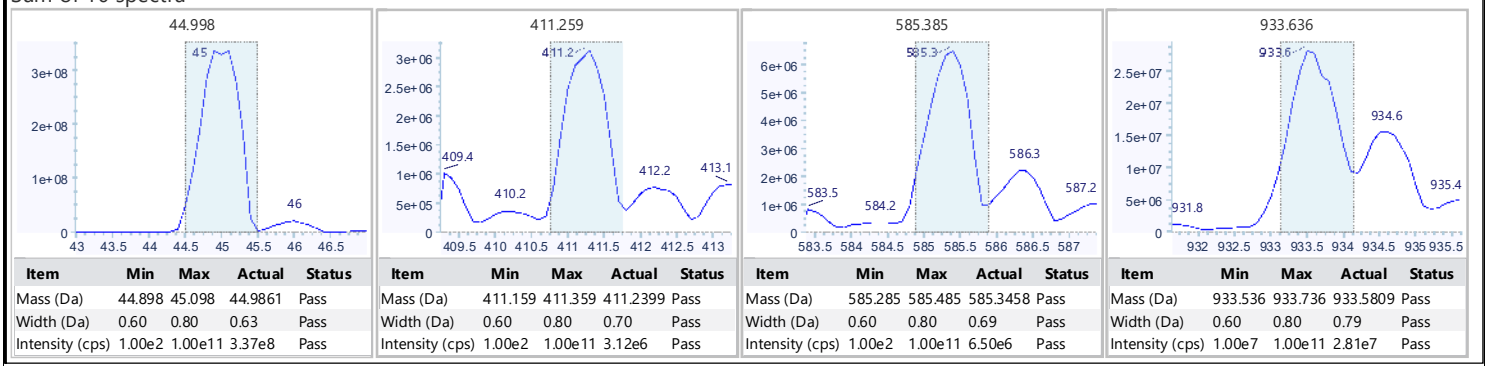
Step	Result	Details

Instrument Verification Report

Instrument Name:	SCIEX Triple Quad 5500+	**Manufacturer:**	AB Sciex
Instrument Model:	TripleQuad5500+	**Target Instrument:**	TripleQuad5500+
Ion Source:	TurboIonSpray	**Optimization Set:**	5500+ MS Scan Verification
Serial Number:	EX235302209	**Doc Num Revision:**	TripleQuad5500+PickSetVerify Eng
User Name:	A2-LCMS08		

Verify Q1 Negative 10 Da/sec — **Pass** — Data file:D:\SCIEX OS Data\Optimization\Optimization-2024-10-29-13-32-55

Sum of 10 spectra



Item	Min	Max	Actual	Status
Mass (Da)	44.898	45.098	44.9861	Pass
Width (Da)	0.60	0.80	0.63	Pass
Intensity (cps)	1.00e2	1.00e11	3.37e8	Pass

Item	Min	Max	Actual	Status
Mass (Da)	411.159	411.359	411.2399	Pass
Width (Da)	0.60	0.80	0.70	Pass
Intensity (cps)	1.00e2	1.00e11	3.12e6	Pass

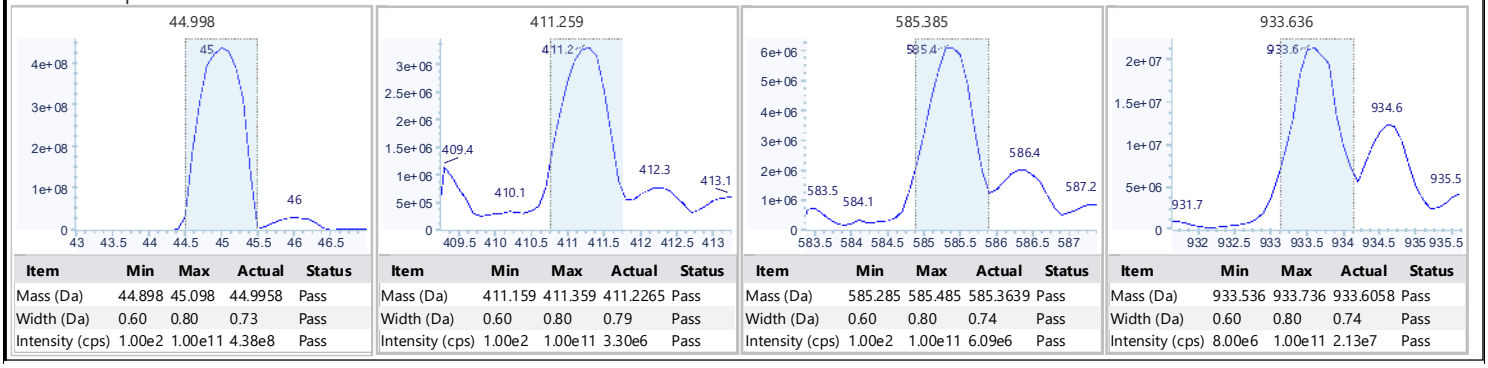
Item	Min	Max	Actual	Status
Mass (Da)	585.285	585.485	585.3458	Pass
Width (Da)	0.60	0.80	0.69	Pass
Intensity (cps)	1.00e2	1.00e11	6.50e6	Pass

Item	Min	Max	Actual	Status
Mass (Da)	933.536	933.736	933.5809	Pass
Width (Da)	0.60	0.80	0.79	Pass
Intensity (cps)	1.00e7	1.00e11	2.81e7	Pass

3. Negative Q3 Unit Resolution

Step	Result	Details
Verify Q3 Negative 10 Da/sec	**Pass**	Data file:D:\SCIEX OS Data\Optimization\Optimization-2024-10-29-13-32-55

Sum of 10 spectra



Item	Min	Max	Actual	Status
Mass (Da)	44.898	45.098	44.9958	Pass
Width (Da)	0.60	0.80	0.73	Pass
Intensity (cps)	1.00e2	1.00e11	4.38e8	Pass

Item	Min	Max	Actual	Status
Mass (Da)	411.159	411.359	411.2265	Pass
Width (Da)	0.60	0.80	0.79	Pass
Intensity (cps)	1.00e2	1.00e11	3.30e6	Pass

Item	Min	Max	Actual	Status
Mass (Da)	585.285	585.485	585.3639	Pass
Width (Da)	0.60	0.80	0.74	Pass
Intensity (cps)	1.00e2	1.00e11	6.09e6	Pass

Item	Min	Max	Actual	Status
Mass (Da)	933.536	933.736	933.6058	Pass
Width (Da)	0.60	0.80	0.74	Pass
Intensity (cps)	8.00e6	1.00e11	2.13e7	Pass

1633 PFAS Low Stock

Standard Description: **EPA 1633** **Calibration Low Stock**
Standard Laboratory ID Number: **EPA1633F_240904_CAL_10X**

Assigned Lab ID	Chemical Name	Stock Concentration(ug/mL)	Vendor/Part Number/location	Stock Volume (uL)	Final Volume (mL)	Solvent	Standard Concentration (ng/mL)
LCMS240723EE	EPA-1633STK	250.00	Wellington/EPA-1633STK/537G Fridge	200.0	2.0	1633 Blank	25000
Solution Prepared By:	PNB		Date Prepared:	September 4, 2024		Expiration Date:	March 4, 2025
Solvent Lot	ECRD240809 EPA-1633 Blank		Refrigerator / Freezer No:	SEMI05 Fridge		Pipettes Used:	1

1633F Calibration

Standard Description: **EPA 1633F** **Calibration SET**
Standard Laboratory ID Number: **EPA1633F_241008_CAL_L9**

Assigned Lab ID	Chemical Name	Stock Concentration(ug/mL)	Vendor/Part Number/location	Stock Volume (uL)	Final Volume (mL)	Solvent	Standard Concentration (ng/mL)
LCMS241003K	EPA-1633 NIS	0.500	Wellington/MPFAC-HIF-IS/537G	10	2.00	1633-BLANK	2.50
LCMS240924AF	EPA-1633 EIS	0.500	Wellington/MPFAC-EIF-IS/537G	10	2.00	1633-BLANK	2.50
LCMS241003BP/BO	EPA-1633STK	0.25	Wellington/EPA-1633STK/537G Fridge	500.0	2.0	1633 Blank	62.5
EPA1633_240129_TDCA	TDCA STD	50.00	537G	10.0	2.0	1633 Blank	250
Solution Prepared By:	ANH		Date Prepared:	October 8, 2024		Expiration Date:	April 7, 2025
Solvent Lot	ECRD240926	EPA-1633 Blank	Refrigerator / Freezer No:	SEMI05 Fridge		Pipettes Used:	

Standard Laboratory ID Number: **EPA1633F_241008_CAL_L8**

Assigned Lab ID	Chemical Name	Stock Concentration(ug/mL)	Vendor/Part Number/location	Stock Volume (uL)	Final Volume (mL)	Solvent	Standard Concentration (ng/mL)
LCMS241003K	EPA-1633 NIS	0.500	Wellington/MPFAC-HIF-IS/537G	10	2.00	1633-BLANK	2.50
LCMS240924AF	EPA-1633 EIS	0.500	Wellington/MPFAC-EIF-IS/537G	10	2.00	1633-BLANK	2.50
LCMS241003BP/BO	EPA-1633STK	0.25	Wellington/EPA-1633STK/537G Fridge	400.0	2.0	1633 Blank	50.0
Solution Prepared By:	ANH		Date Prepared:	October 8, 2024		Expiration Date:	April 7, 2025
Solvent Lot	ECRD240926	EPA-1633 Blank	Refrigerator / Freezer No:	SEMI05 Fridge		Pipettes Used:	

Standard Laboratory ID Number: **EPA1633F_241008_CAL_L7**

Assigned Lab ID	Chemical Name	Stock Concentration(ug/mL)	Vendor/Part Number/location	Stock Volume (uL)	Final Volume (mL)	Solvent	Standard Concentration (ng/mL)
LCMS241003K	EPA-1633 NIS	0.500	Wellington/MPFAC-HIF-IS/537G	10	2.00	1633-BLANK	2.50
LCMS240924AF	EPA-1633 EIS	0.500	Wellington/MPFAC-EIF-IS/537G	10	2.00	1633-BLANK	2.50
LCMS241003BP/BO	EPA-1633STK	0.25	Wellington/EPA-1633STK/537G Fridge	200.0	2.0	1633 Blank	25.0
Solution Prepared By:	ANH		Date Prepared:	October 8, 2024		Expiration Date:	April 7, 2025
Solvent Lot	ECRD240926	EPA-1633 Blank	Refrigerator / Freezer No:	SEMI05 Fridge		Pipettes Used:	

Standard Laboratory ID Number: **EPA1633F_241008_CAL_L6**

Assigned Lab ID	Chemical Name	Stock Concentration(ug/mL)	Vendor/Part Number/location	Stock Volume (uL)	Final Volume (mL)	Solvent	Standard Concentration (ng/mL)
LCMS241003K	EPA-1633 NIS	0.500	Wellington/MPFAC-HIF-IS/537G	10	2.00	1633-BLANK	2.50
LCMS240924AF	EPA-1633 EIS	0.500	Wellington/MPFAC-EIF-IS/537G	10	2.00	1633-BLANK	2.50
LCMS241003BP/BO	EPA-1633STK	0.25	Wellington/EPA-1633STK/537G Fridge	100.0	2.0	1633 Blank	12.5
Solution Prepared By:	ANH		Date Prepared:	October 8, 2024		Expiration Date:	April 7, 2025
Solvent Lot	ECRD240926	EPA-1633 Blank	Refrigerator / Freezer No:	SEMI05 Fridge		Pipettes Used:	

Standard Laboratory ID Number: **EPA1633F_241008_CAL_L5**

Assigned Lab ID	Chemical Name	Stock Concentration(ug/mL)	Vendor/Part Number/location	Stock Volume (uL)	Final Volume (mL)	Solvent	Standard Concentration (ng/mL)
LCMS241003K	EPA-1633 NIS	0.500	Wellington/MPFAC-HIF-IS/537G	10	5.00	1633-BLANK	1.00
LCMS240924AF	EPA-1633 EIS	0.500	Wellington/MPFAC-EIF-IS/537G	10	5.00	1633-BLANK	1.00
LCMS241003BP/BO	EPA-1633STK	0.25	Wellington/EPA-1633STK/537G Fridge	100.0	5.0	1633 Blank	5.0
EPA1633_240129_TDCA	TDCA STD	50.00	537G	25.0	5.0	1633 Blank	250
Solution Prepared By:	ANH		Date Prepared:	October 8, 2024		Expiration Date:	April 7, 2025
Solvent Lot	ECRD240926	EPA-1633 Blank	Refrigerator / Freezer No:	SEMI05 Fridge		Pipettes Used:	

Standard Laboratory ID Number: **EPA1633F_241008_CAL_L4**

Assigned Lab ID	Chemical Name	Stock Concentration(ug/mL)	Vendor/Part Number/location	Stock Volume (uL)	Final Volume (mL)	Solvent	Standard Concentration (ng/mL)
LCMS241003K	EPA-1633 NIS	0.500	Wellington/MPFAC-HIF-IS/537G	10	2.00	1633-BLANK	2.50
LCMS240924AF	EPA-1633 EIS	0.500	Wellington/MPFAC-EIF-IS/537G	10	2.00	1633-BLANK	2.50
LCMS241003BP/BO	EPA-1633STK	0.25	Wellington/EPA-1633STK/537G Fridge	20.0	2.0	1633 Blank	2.5
Solution Prepared By:	ANH		Date Prepared:	October 8, 2024		Expiration Date:	April 7, 2025
Solvent Lot	ECRD240926	EPA-1633 Blank	Refrigerator / Freezer No:	SEMI05 Fridge		Pipettes Used:	1

Standard Laboratory ID Number: **EPA1633F_241008_CAL_L3**

Assigned Lab ID	Chemical Name	Stock Concentration(ug/mL)	Vendor/Part Number/location	Stock Volume (uL)	Final Volume (mL)	Solvent	Standard Concentration (ng/mL)
LCMS241003K	EPA-1633 NIS	0.500	Wellington/MPFAC-HIF-IS/537G	10	2.00	1633-BLANK	2.50
LCMS240924AF	EPA-1633 EIS	0.500	Wellington/MPFAC-EIF-IS/537G	10	2.00	1633-BLANK	2.50
EPAF1633_240904_10X	EPA-1633STK 10X	0.025	Wellington/EPA-1633STK/537G Fridge	40.0	2.0	1633 Blank	0.5
Solution Prepared By:	ANH		Date Prepared:	October 8, 2024		Expiration Date:	April 7, 2025
Solvent Lot	ECRD240926	EPA-1633 Blank	Refrigerator / Freezer No:	SEMI05 Fridge		Pipettes Used:	1

Standard Laboratory ID Number: **EPA1633F_241008_CAL_L2**

Assigned Lab ID	Chemical Name	Stock Concentration(ug/mL)	Vendor/Part Number/location	Stock Volume (uL)	Final Volume (mL)	Solvent	Standard Concentration (ng/mL)
LCMS241003K	EPA-1633 NIS	0.500	Wellington/MPFAC-HIF-IS/537G	25	5.00	1633-BLANK	2.50
LCMS240924AF	EPA-1633 EIS	0.500	Wellington/MPFAC-EIF-IS/537G	25	5.00	1633-BLANK	2.50
EPAF1633_240904_10X	EPA-1633STK 10X	0.025	Wellington/EPA-1633STK/537G Fridge	40.0	5.0	1633 Blank	0.2
Solution Prepared By:	ANH		Date Prepared:	October 8, 2024		Expiration Date:	April 7, 2025
Solvent Lot	ECRD240926	EPA-1633 Blank	Refrigerator / Freezer No:	SEMI05 Fridge		Pipettes Used:	1

Standard Laboratory ID Number: **EPA1633F_241008_CAL_L1**

Assigned Lab ID	Chemical Name	Stock Concentration(ug/mL)	Vendor/Part Number/location	Stock Volume (uL)	Final Volume (mL)	Solvent	Standard Concentration (ng/mL)
LCMS241003K	EPA-1633 NIS	0.500	Wellington/MPFAC-HIF-IS/537G	25	5.00	1633-BLANK	2.50
LCMS240924AF	EPA-1633 EIS	0.500	Wellington/MPFAC-EIF-IS/537G	25	5.00	1633-BLANK	2.50
EPAF1633_240904_10X	EPA-1633STK 10X	0.025	Wellington/EPA-1633STK/537G Fridge	20.0	5.0	1633 Blank	0.1
EPA1633_240129_TDCA	TDCA STD	50.00	537G	25.0	5.0	1633 Blank	250
Solution Prepared By:	ANH		Date Prepared:	October 8, 2024		Expiration Date:	April 7, 2025
Solvent Lot	ECRD240926	EPA-1633 Blank	Refrigerator / Freezer No:	SEMI05 Fridge		Pipettes Used:	1

EPA-1633F ICV

Standard Description: **EPA-1633F** **ICV Stock**

Standard Laboratory ID Number: **EPA1633F_ICV_241014**

Assigned Lab ID	Chemical Name	Stock Concentration(ug/mL)	Vendor/Part Number/location	Stock Volume (uL)	Final Volume (mL)	Solvent	Standard Concentration (ng/mL)
LCMS240924F	EPA-1633 STD	2	Absolute/65735/537G	20	4.00	EPA-1633-BLANK	10
LCMS241003S	EPA-1633 NIS	0.500	Wellington/MPFAC-HIF-IS/537G	20	4.00	1633-BLANK	2.50
LCNS240924AR	EPA-1633 EIS	0.500	Wellington/MPFAC-EIF-IS/537G	20	4.00	1633-BLANK	2.50
Solution Prepared By:	ANH		Date Prepared:	October 14, 2024		Expiration Date:	April 14, 2025
Solvent Lot	ECRD240926	EPA-1633 Blank	Refrigerator / Freezer No:	SEMI05 Fridge		Pipettes Used:	

Continuing Calibration

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		**Lab Number**	: L2467934	
Project Name	: HUNTINGTON READY MIXED		**Project Number**	: 20116	
Instrument ID	: LCMS09		**Calibration Date**	: 12/23/24 13:25	
Lab File ID	: SCI09_241223_15		**Init. Calib. Date(s)**	: 11/12/24	11/12/24
Sample No	: WG2012688-1		**Init. Calib. Times**	: 13:47	14:58
Channel	:				

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
Perfluorobutanoic Acid (PFBA)	0.784	0.800	98	70-130
Perfluoropentanoic Acid (PFPeA)	0.419	0.400	104.8	70-130
Perfluorobutanesulfonic Acid (PFBS)	0.157	0.177	88.2	70-130
Perfluorohexanoic Acid (PFHxA)	0.210	0.200	105.1	70-130
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	0.809	0.750	107.8	70-130
Perfluoropentanesulfonic Acid (PFPeS)	0.174	0.188	92.4	70-130
Perfluoroheptanoic Acid (PFHpA)	0.203	0.200	101.4	70-130
Perfluorohexanesulfonic Acid (PFHxS)	0.178	0.183	97.7	70-130
Perfluorooctanoic Acid (PFOA)	0.213	0.200	106.3	70-130
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	0.800	0.760	105.1	70-130
Perfluoroheptanesulfonic Acid (PFHpS)	0.200	0.191	105.2	70-130
Perfluorononanoic Acid (PFNA)	0.202	0.200	101	70-130
Perfluorooctanesulfonic Acid (PFOS)	0.185	0.186	99.6	70-130
Perfluorodecanoic Acid (PFDA)	0.210	0.200	105.1	70-130
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	0.772	0.768	100.5	70-130
Perfluorononanesulfonic Acid (PFNS)	0.186	0.192	96.9	70-130
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	0.238	0.200	119.1	70-130
Perfluoroundecanoic Acid (PFUnA)	0.193	0.200	96.5	70-130
Perfluorodecanesulfonic Acid (PFDS)	0.167	0.193	86.7	70-130
Perfluorooctanesulfonamide (PFOSA)	0.190	0.200	94.8	70-130
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.179	0.200	89.5	70-130
Perfluorododecanoic Acid (PFDoA)	0.196	0.200	97.9	70-130
Perfluorotridecanoic Acid (PFTrDA)	0.200	0.200	99.9	70-130
Perfluorotetradecanoic Acid (PFTeDA)	0.195	0.200	97.4	70-130
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	0.838	0.800	104.8	70-130
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	0.644	0.756	85.2	70-130
Perfluorododecanesulfonic Acid (PFDoS)	0.163	0.194	83.9	70-130
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	0.819	0.748	109.8	70-130
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	0.764	0.756	101.4	70-130
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	0.205	0.200	102.4	70-130
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	0.204	0.200	102.2	70-130
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	2.002	2.000	100.1	70-130
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	2.017	2.000	100.8	70-130
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	0.361	0.400	90.2	70-130
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	0.383	0.400	95.8	70-130
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	0.375	0.356	104.9	70-130
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	0.490	0.400	122.4	70-130
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	0.987	1.000	98.7	70-130
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	5.927	5.000	118.5	70-130
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	4.720	5.000	94.4	70-130
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	9.987	10.000	99.9	70-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	5.253	5.000	105.1	70-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	2.444	2.330	104.9	70-130

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Instrument ID	: LCMS09	**Calibration Date**	: 12/23/24 13:25
Lab File ID	: SCI09_241223_15	**Init. Calib. Date(s)**	: 11/12/24 11/12/24
Sample No	: WG2012688-1	**Init. Calib. Times**	: 13:47 14:58
Channel	:		

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	4.610	4.690	98.3	70-130
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	2.222	2.500	88.9	70-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	2.554	2.500	102.2	70-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	2.520	2.370	106.3	70-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	2.645	2.500	105.8	70-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	4.798	4.755	100.8	70-130
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	1.265	1.250	101.2	70-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	2.528	2.395	105.3	70-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	1.314	1.250	105.1	70-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	4.157	4.800	86.6	70-130
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	4.930	5.000	98.6	70-130
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	1.434	1.250	114.7	70-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	2.706	2.500	108.3	70-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	4.552	5.000	91	70-130
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	1.317	1.250	105.4	70-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	1.322	1.250	105.7	70-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	9.449	10.000	94.5	70-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	2.486	2.500	99.5	70-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	2.555	2.500	102.2	70-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	27.688	25.000	110.8	70-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	27.942	25.000	111.8	70-130
Perfluoro-[1,2-13C2]octanoic Acid (13C2-PFOA)	2.499	2.500	100	70-130
Perfluoro-n-[1,2-13C2]Hexanoic Acid (13C2-PFHxA)	2.816	2.500	112.6	70-130
Perfluoro-n-[1,2,3,4-13C4]Octanoic Acid (13C4-PFOA)	2.576	2.500	103	70-130
Perfluoro-n-[1,2,3,4-13C4]Octanesulfonic Acid (13C4-PFOS)	2.317	2.395	96.6	70-130
Perfluoro-n-[1,2-13C2]Decanoic Acid (13C2-PFDA)	1.263	1.250	101	70-130
Perfluoro-n-[2,3,4-13C3]Butanoic Acid (13C3-PFBA)	6.436	5.000	128.7	70-130
Perfluoro-n-[1,2,3,4,5-13C5]Nonanoic Acid (13C5-PFNA)	1.341	1.250	107.3	70-130
Perfluoro-1-hexane[18O2]Sulfonic Acid (18O2-PFHxS)	2.529	2.370	106.7	70-130
1H,1H,2H,2H-Perfluoro[1,2-13C2D4]Hexanesulfonic Acid (13C2D4-4:2FTS)	4.848	5.000	97	70-130

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		**Lab Number**	: L2467934	
Project Name	: HUNTINGTON READY MIXED		**Project Number**	: 20116	
Instrument ID	: LCMS09		**Calibration Date**	: 12/23/24 14:16	
Lab File ID	: SCI09_241223_16		**Init. Calib. Date(s)**	: 11/12/24	11/12/24
Sample No	: WG2012688-2		**Init. Calib. Times**	: 13:47	14:58
Channel	:				

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
Perfluorobutanoic Acid (PFBA)	18.457	20.000	92.3	70-130
Perfluoropentanoic Acid (PFPeA)	9.567	10.000	95.7	70-130
Perfluorobutanesulfonic Acid (PFBS)	3.965	4.435	89.3	70-130
Perfluorohexanoic Acid (PFHxA)	5.188	5.000	103.8	70-130
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	16.618	18.750	88.9	70-130
Perfluoropentanesulfonic Acid (PFPeS)	4.715	4.705	100.3	70-130
Perfluoroheptanoic Acid (PFHpA)	5.225	5.000	104.5	70-130
Perfluorohexanesulfonic Acid (PFHxS)	3.930	4.570	86.2	70-130
Perfluorooctanoic Acid (PFOA)	4.448	5.000	89	70-130
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	16.958	19.000	89.3	70-130
Perfluoroheptanesulfonic Acid (PFHpS)	4.679	4.765	98.3	70-130
Perfluorononanoic Acid (PFNA)	5.169	5.000	103.4	70-130
Perfluorooctanesulfonic Acid (PFOS)	3.998	4.640	86.2	70-130
Perfluorodecanoic Acid (PFDA)	4.636	5.000	92.7	70-130
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	19.347	19.200	100.8	70-130
Perfluorononanesulfonic Acid (PFNS)	4.271	4.810	89	70-130
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	5.331	5.000	106.6	70-130
Perfluoroundecanoic Acid (PFUnA)	4.883	5.000	97.7	70-130
Perfluorodecanesulfonic Acid (PFDS)	3.797	4.825	78.8	70-130
Perfluorooctanesulfonamide (PFOSA)	4.514	5.000	90.3	70-130
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	5.216	5.000	104.3	70-130
Perfluorododecanoic Acid (PFDoA)	5.040	5.000	100.8	70-130
Perfluorotridecanoic Acid (PFTrDA)	4.991	5.000	99.8	70-130
Perfluorotetradecanoic Acid (PFTeDA)	4.706	5.000	94.1	70-130
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	20.329	20.000	101.7	70-130
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	18.665	18.900	98.8	70-130
Perfluorododecanesulfonic Acid (PFDoS)	3.841	4.850	79.4	70-130
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	18.861	18.700	100.9	70-130
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	17.632	18.900	93.3	70-130
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	4.937	5.000	98.7	70-130
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	4.734	5.000	94.7	70-130
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	47.967	50.000	95.9	70-130
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	49.011	50.000	98	70-130
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	9.418	10.000	94.2	70-130
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	8.750	10.000	87.5	70-130
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	8.660	8.900	97.1	70-130
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	11.277	10.000	112.8	70-130
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	23.291	25.000	93.2	70-130
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	128.910	125.000	103.1	70-130
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	129.372	125.000	103.5	70-130
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	9.670	10.000	96.7	70-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	5.466	5.000	109.3	70-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	2.414	2.330	103.6	70-130

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Instrument ID	: LCMS09	**Calibration Date**	: 12/23/24 14:16
Lab File ID	: SCI09_241223_16	**Init. Calib. Date(s)**	: 11/12/24 11/12/24
Sample No	: WG2012688-2	**Init. Calib. Times**	: 13:47 14:58
Channel	:		

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	5.009	9.380	106.8	70-130
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	2.287	2.500	91.5	70-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	2.352	2.500	94.1	70-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	2.414	2.370	101.9	70-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	2.695	2.500	107.8	70-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	5.359	9.510	112.6	70-130
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	1.164	1.250	93.1	70-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	2.472	2.395	103	70-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	1.342	1.250	107.4	70-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	4.802	9.600	100.1	70-130
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	4.678	5.000	93.6	70-130
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	1.270	1.250	101.6	70-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	2.627	2.500	105.1	70-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	4.272	5.000	85.4	70-130
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	1.193	1.250	95.5	70-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	1.195	1.250	95.6	70-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	9.243	10.000	92.4	70-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	2.357	2.500	94.3	70-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	2.320	2.500	92.8	70-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	26.848	25.000	107.4	70-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	24.759	25.000	99	70-130
Perfluoro-[1,2-13C2]octanoic Acid (13C2-PFOA)	2.579	2.500	103.2	70-130
Perfluoro-n-[1,2-13C2]Hexanoic Acid (13C2-PFHxA)	2.795	2.500	111.8	70-130
Perfluoro-n-[1,2,3,4-13C4]Octanoic Acid (13C4-PFOA)	2.742	2.500	109.7	70-130
Perfluoro-n-[1,2,3,4-13C4]Octanesulfonic Acid (13C4-PFOS)	2.451	2.395	102.1	70-130
Perfluoro-n-[1,2-13C2]Decanoic Acid (13C2-PFDA)	1.403	1.250	112.3	70-130
Perfluoro-n-[2,3,4-13C3]Butanoic Acid (13C3-PFBA)	6.226	5.000	124.5	70-130
Perfluoro-n-[1,2,3,4,5-13C5]Nonanoic Acid (13C5-PFNA)	1.439	1.250	115.1	70-130
Perfluoro-1-hexane[18O2]Sulfonic Acid (18O2-PFHxS)	2.555	2.370	107.8	70-130
1H,1H,2H,2H-Perfluoro[1,2-13C2D4]Hexanesulfonic Acid (13C2D4-4:2FTS)	5.155	5.000	103.1	70-130

***** Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		**Lab Number**	: L2467934	
Project Name	: HUNTINGTON READY MIXED		**Project Number**	: 20116	
Instrument ID	: LCMS09		**Calibration Date**	: 12/24/24 00:35	
Lab File ID	: SCI09_241223_34		**Init. Calib. Date(s)**	: 11/12/24	11/12/24
Sample No	: WG2012688-5		**Init. Calib. Times**	: 13:47	14:58
Channel	:				

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
Perfluorobutanoic Acid (PFBA)	18.824	20.000	94.1	70-130
Perfluoropentanoic Acid (PFPeA)	9.873	10.000	98.7	70-130
Perfluorobutanesulfonic Acid (PFBS)	3.884	4.435	87.5	70-130
Perfluorohexanoic Acid (PFHxA)	4.831	5.000	96.6	70-130
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	17.458	18.750	93.4	70-130
Perfluoropentanesulfonic Acid (PFPeS)	4.553	4.705	96.9	70-130
Perfluoroheptanoic Acid (PFHpA)	4.710	5.000	94.2	70-130
Perfluorohexanesulfonic Acid (PFHxS)	3.771	4.570	82.7	70-130
Perfluorooctanoic Acid (PFOA)	4.625	5.000	92.5	70-130
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	16.953	19.000	89.2	70-130
Perfluoroheptanesulfonic Acid (PFHpS)	4.651	4.765	97.7	70-130
Perfluorononanoic Acid (PFNA)	5.142	5.000	102.8	70-130
Perfluorooctanesulfonic Acid (PFOS)	4.037	4.640	87	70-130
Perfluorodecanoic Acid (PFDA)	5.140	5.000	102.8	70-130
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	19.257	19.200	100.3	70-130
Perfluorononanesulfonic Acid (PFNS)	4.443	4.810	92.6	70-130
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	4.825	5.000	96.5	70-130
Perfluoroundecanoic Acid (PFUnA)	4.416	5.000	88.3	70-130
Perfluorodecanesulfonic Acid (PFDS)	3.930	4.825	81.5	70-130
Perfluorooctanesulfonamide (PFOSA)	4.519	5.000	90.4	70-130
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	5.071	5.000	101.4	70-130
Perfluorododecanoic Acid (PFDoA)	4.762	5.000	95.2	70-130
Perfluorotridecanoic Acid (PFTrDA)	4.729	5.000	94.6	70-130
Perfluorotetradecanoic Acid (PFTeDA)	5.111	5.000	102.2	70-130
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	20.868	20.000	104.3	70-130
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	19.316	18.900	102.2	70-130
Perfluorododecanesulfonic Acid (PFDoS)	4.097	4.850	84.7	70-130
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	19.558	18.700	104.6	70-130
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	18.572	18.900	98.3	70-130
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	4.796	5.000	95.9	70-130
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	4.763	5.000	95.3	70-130
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	46.782	50.000	93.6	70-130
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	49.522	50.000	99	70-130
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	8.683	10.000	86.8	70-130
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	9.207	10.000	92.1	70-130
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	9.246	8.900	103.7	70-130
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	11.248	10.000	112.5	70-130
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	23.343	25.000	93.4	70-130
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	123.196	125.000	98.6	70-130
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	124.460	125.000	99.6	70-130
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	9.970	10.000	99.7	70-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	5.107	5.000	102.1	70-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	2.674	2.330	114.8	70-130

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Instrument ID	: LCMS09	**Calibration Date**	: 12/24/24 00:35
Lab File ID	: SCI09_241223_34	**Init. Calib. Date(s)**	: 11/12/24 11/12/24
Sample No	: WG2012688-5	**Init. Calib. Times**	: 13:47 14:58
Channel	:		

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	4.547	9.380	97	70-130
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	2.249	2.500	90	70-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	2.276	2.500	91	70-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	2.501	2.370	105.5	70-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	2.441	2.500	97.6	70-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	4.773	9.510	100.3	70-130
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	1.212	1.250	97	70-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	2.748	2.395	114.5	70-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	1.277	1.250	102.2	70-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	3.590	9.600	74.8	70-130
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	5.497	5.000	109.9	70-130
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	1.305	1.250	104.4	70-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	2.857	2.500	114.3	70-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	4.623	5.000	92.5	70-130
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	1.224	1.250	97.9	70-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	1.057	1.250	84.6	70-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	9.256	10.000	92.6	70-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	2.932	2.500	117.3	70-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	2.997	2.500	119.9	70-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	31.406	25.000	125.6	70-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	32.083	25.000	128.3	70-130
Perfluoro-[1,2-13C2]octanoic Acid (13C2-PFOA)	2.284	2.500	91.4	70-130
Perfluoro-n-[1,2-13C2]Hexanoic Acid (13C2-PFHxA)	2.999	2.500	120	70-130
Perfluoro-n-[1,2,3,4-13C4]Octanoic Acid (13C4-PFOA)	2.744	2.500	109.8	70-130
Perfluoro-n-[1,2,3,4-13C4]Octanesulfonic Acid (13C4-PFOS)	1.961	2.395	81.7	70-130
Perfluoro-n-[1,2-13C2]Decanoic Acid (13C2-PFDA)	1.165	1.250	93.2	70-130
Perfluoro-n-[2,3,4-13C3]Butanoic Acid (13C3-PFBA)	6.485	5.000	129.7	70-130
Perfluoro-n-[1,2,3,4,5-13C5]Nonanoic Acid (13C5-PFNA)	1.213	1.250	97.1	70-130
Perfluoro-1-hexane[18O2]Sulfonic Acid (18O2-PFHxS)	2.427	2.370	102.4	70-130
1H,1H,2H,2H-Perfluoro[1,2-13C2D4]Hexanesulfonic Acid (13C2D4-4:2FTS)	5.150	5.000	103	70-130

***** Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		**Lab Number**	: L2467934	
Project Name	: HUNTINGTON READY MIXED		**Project Number**	: 20116	
Instrument ID	: LCMS09		**Calibration Date**	: 12/24/24 11:12	
Lab File ID	: SCI09_241224_16		**Init. Calib. Date(s)**	: 11/12/24	11/12/24
Sample No	: WG2013165-1		**Init. Calib. Times**	: 13:47	14:58
Channel	:				

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
Perfluorobutanoic Acid (PFBA)	0.789	0.800	98.6	70-130
Perfluoropentanoic Acid (PFPeA)	0.399	0.400	99.7	70-130
Perfluorobutanesulfonic Acid (PFBS)	0.172	0.177	96.5	70-130
Perfluorohexanoic Acid (PFHxA)	0.227	0.200	113.5	70-130
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	0.811	0.750	108.1	70-130
Perfluoropentanesulfonic Acid (PFPeS)	0.181	0.188	96.4	70-130
Perfluoroheptanoic Acid (PFHpA)	0.225	0.200	112.3	70-130
Perfluorohexanesulfonic Acid (PFHxS)	0.176	0.183	97	70-130
Perfluorooctanoic Acid (PFOA)	0.207	0.200	103.6	70-130
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	0.763	0.760	100.3	70-130
Perfluoroheptanesulfonic Acid (PFHpS)	0.170	0.191	89.6	70-130
Perfluorononanoic Acid (PFNA)	0.198	0.200	99.1	70-130
Perfluorooctanesulfonic Acid (PFOS)	0.166	0.186	89.2	70-130
Perfluorodecanoic Acid (PFDA)	0.207	0.200	103.7	70-130
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	0.769	0.768	100.1	70-130
Perfluorononanesulfonic Acid (PFNS)	0.188	0.192	98	70-130
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	0.180	0.200	90.3	70-130
Perfluoroundecanoic Acid (PFUnA)	0.189	0.200	94.6	70-130
Perfluorodecanesulfonic Acid (PFDS)	0.174	0.193	90.1	70-130
Perfluorooctanesulfonamide (PFOSA)	0.185	0.200	92.5	70-130
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.223	0.200	111.5	70-130
Perfluorododecanoic Acid (PFDoA)	0.212	0.200	105.8	70-130
Perfluorotridecanoic Acid (PFTrDA)	0.203	0.200	101.5	70-130
Perfluorotetradecanoic Acid (PFTeDA)	0.192	0.200	95.9	70-130
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	0.791	0.800	98.8	70-130
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	0.780	0.756	103.2	70-130
Perfluorododecanesulfonic Acid (PFDoS)	0.167	0.194	86.3	70-130
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	0.807	0.748	108.1	70-130
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	0.815	0.756	108	70-130
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	0.198	0.200	99.2	70-130
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	0.211	0.200	105.3	70-130
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	1.881	2.000	94	70-130
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	2.032	2.000	101.6	70-130
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	0.355	0.400	88.8	70-130
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	0.360	0.400	89.9	70-130
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	0.362	0.356	101.5	70-130
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	0.474	0.400	118.6	70-130
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	0.789	1.000	78.9	70-130
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	4.775	5.000	95.5	70-130
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	4.641	5.000	92.8	70-130
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	10.078	10.000	100.8	70-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	5.547	5.000	110.9	70-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	2.428	2.330	104.2	70-130

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Instrument ID	: LCMS09	**Calibration Date**	: 12/24/24 11:12
Lab File ID	: SCI09_241224_16	**Init. Calib. Date(s)**	: 11/12/24 11/12/24
Sample No	: WG2013165-1	**Init. Calib. Times**	: 13:47 14:58
Channel	:		

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	4.805	4.690	102.5	70-130
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	2.257	2.500	90.3	70-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	2.219	2.500	88.8	70-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	2.335	2.370	98.5	70-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	2.721	2.500	108.8	70-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	4.555	4.755	95.7	70-130
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	1.294	1.250	103.5	70-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	2.589	2.395	107.9	70-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	1.357	1.250	108.6	70-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	3.531	4.800	73.6	70-130
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	5.213	5.000	104.3	70-130
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	1.305	1.250	104.4	70-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	2.667	2.500	106.7	70-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	4.525	5.000	90.5	70-130
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	1.154	1.250	92.3	70-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	1.111	1.250	88.9	70-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	9.542	10.000	95.4	70-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	2.649	2.500	106	70-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	2.534	2.500	101.4	70-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	28.740	25.000	115	70-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	28.857	25.000	115.4	70-130
Perfluoro-[1,2-13C2]octanoic Acid (13C2-PFOA)	2.477	2.500	99.1	70-130
Perfluoro-n-[1,2-13C2]Hexanoic Acid (13C2-PFHxA)	3.257	2.500	130.3*	70-130
Perfluoro-n-[1,2,3,4-13C4]Octanoic Acid (13C4-PFOA)	2.867	2.500	114.7	70-130
Perfluoro-n-[1,2,3,4-13C4]Octanesulfonic Acid (13C4-PFOS)	2.374	2.395	98.9	70-130
Perfluoro-n-[1,2-13C2]Decanoic Acid (13C2-PFDA)	1.389	1.250	111.1	70-130
Perfluoro-n-[2,3,4-13C3]Butanoic Acid (13C3-PFBA)	7.403	5.000	148.1*	70-130
Perfluoro-n-[1,2,3,4,5-13C5]Nonanoic Acid (13C5-PFNA)	1.359	1.250	108.7	70-130
Perfluoro-1-hexane[18O2]Sulfonic Acid (18O2-PFHxS)	2.794	2.370	117.9	70-130
1H,1H,2H,2H-Perfluoro[1,2-13C2D4]Hexanesulfonic Acid (13C2D4-4:2FTS)	5.471	5.000	109.4	70-130

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		**Lab Number**	: L2467934	
Project Name	: HUNTINGTON READY MIXED		**Project Number**	: 20116	
Instrument ID	: LCMS09		**Calibration Date**	: 12/24/24 11:24	
Lab File ID	: SCI09_241224_17		**Init. Calib. Date(s)**	: 11/12/24	11/12/24
Sample No	: WG2013165-2		**Init. Calib. Times**	: 13:47	14:58
Channel	:				

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
Perfluorobutanoic Acid (PFBA)	18.416	20.000	92.1	70-130
Perfluoropentanoic Acid (PFPeA)	9.898	10.000	99	70-130
Perfluorobutanesulfonic Acid (PFBS)	4.036	4.435	90.9	70-130
Perfluorohexanoic Acid (PFHxA)	5.399	5.000	108	70-130
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	17.654	18.750	94.4	70-130
Perfluoropentanesulfonic Acid (PFPeS)	4.541	4.705	96.6	70-130
Perfluoroheptanoic Acid (PFHpA)	4.959	5.000	99.2	70-130
Perfluorohexanesulfonic Acid (PFHxS)	3.951	4.570	86.6	70-130
Perfluorooctanoic Acid (PFOA)	4.429	5.000	88.6	70-130
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	17.822	19.000	93.8	70-130
Perfluoroheptanesulfonic Acid (PFHpS)	4.941	4.765	103.8	70-130
Perfluorononanoic Acid (PFNA)	5.032	5.000	100.7	70-130
Perfluorooctanesulfonic Acid (PFOS)	3.995	4.640	86.1	70-130
Perfluorodecanoic Acid (PFDA)	4.586	5.000	91.7	70-130
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	18.449	19.200	96.1	70-130
Perfluorononanesulfonic Acid (PFNS)	4.495	4.810	93.7	70-130
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	4.905	5.000	98.1	70-130
Perfluoroundecanoic Acid (PFUnA)	4.968	5.000	99.4	70-130
Perfluorodecanesulfonic Acid (PFDS)	4.376	4.825	90.8	70-130
Perfluorooctanesulfonamide (PFOSA)	4.499	5.000	90	70-130
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	5.329	5.000	106.6	70-130
Perfluorododecanoic Acid (PFDoA)	4.885	5.000	97.7	70-130
Perfluorotridecanoic Acid (PFTrDA)	4.990	5.000	99.8	70-130
Perfluorotetradecanoic Acid (PFTeDA)	4.761	5.000	95.2	70-130
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	19.387	20.000	96.9	70-130
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	18.584	18.900	98.3	70-130
Perfluorododecanesulfonic Acid (PFDoS)	4.136	4.850	85.5	70-130
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	20.005	18.700	107	70-130
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	19.763	18.900	104.6	70-130
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	4.912	5.000	98.2	70-130
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	4.765	5.000	95.3	70-130
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	47.848	50.000	95.7	70-130
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	48.643	50.000	97.3	70-130
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	9.054	10.000	90.5	70-130
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	9.013	10.000	90.1	70-130
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	8.852	8.900	99.2	70-130
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	11.535	10.000	115.4	70-130
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	24.262	25.000	97.1	70-130
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	117.791	125.000	94.2	70-130
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	122.319	125.000	97.9	70-130
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	9.892	10.000	98.9	70-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	5.327	5.000	106.5	70-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	2.759	2.330	118.4	70-130

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Instrument ID	: LCMS09	**Calibration Date**	: 12/24/24 11:24
Lab File ID	: SCI09_241224_17	**Init. Calib. Date(s)**	: 11/12/24 11/12/24
Sample No	: WG2013165-2	**Init. Calib. Times**	: 13:47 14:58
Channel	:		

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	5.220	9.380	111.3	70-130
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	2.258	2.500	90.3	70-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	2.424	2.500	97	70-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	2.582	2.370	108.9	70-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	2.733	2.500	109.3	70-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	5.010	9.510	105.3	70-130
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	1.175	1.250	94	70-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	2.487	2.395	103.6	70-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	1.274	1.250	102	70-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	4.080	9.600	85	70-130
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	5.311	5.000	106.2	70-130
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	1.137	1.250	91	70-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	2.665	2.500	106.6	70-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	4.024	5.000	80.5	70-130
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	1.135	1.250	90.8	70-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	1.127	1.250	90.2	70-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	9.405	10.000	94	70-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	2.490	2.500	99.6	70-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	2.583	2.500	103.3	70-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	27.366	25.000	109.5	70-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	28.017	25.000	112.1	70-130
Perfluoro-[1,2-13C2]octanoic Acid (13C2-PFOA)	2.433	2.500	97.3	70-130
Perfluoro-n-[1,2-13C2]Hexanoic Acid (13C2-PFHxA)	3.079	2.500	123.2	70-130
Perfluoro-n-[1,2,3,4-13C4]Octanoic Acid (13C4-PFOA)	2.759	2.500	110.3	70-130
Perfluoro-n-[1,2,3,4-13C4]Octanesulfonic Acid (13C4-PFOS)	2.271	2.395	94.6	70-130
Perfluoro-n-[1,2-13C2]Decanoic Acid (13C2-PFDA)	1.370	1.250	109.6	70-130
Perfluoro-n-[2,3,4-13C3]Butanoic Acid (13C3-PFBA)	6.855	5.000	137.1*	70-130
Perfluoro-n-[1,2,3,4,5-13C5]Nonanoic Acid (13C5-PFNA)	1.383	1.250	110.7	70-130
Perfluoro-1-hexane[18O2]Sulfonic Acid (18O2-PFHxS)	2.392	2.370	100.9	70-130
1H,1H,2H,2H-Perfluoro[1,2-13C2D4]Hexanesulfonic Acid (13C2D4-4:2FTS)	5.502	5.000	110	70-130

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		**Lab Number**	: L2467934	
Project Name	: HUNTINGTON READY MIXED		**Project Number**	: 20116	
Instrument ID	: LCMS09		**Calibration Date**	: 12/24/24 12:14	
Lab File ID	: SCI09_241224_22		**Init. Calib. Date(s)**	: 11/12/24	11/12/24
Sample No	: WG2013165-5		**Init. Calib. Times**	: 13:47	14:58
Channel	:				

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
Perfluorobutanoic Acid (PFBA)	18.996	20.000	95	70-130
Perfluoropentanoic Acid (PFPeA)	9.481	10.000	94.8	70-130
Perfluorobutanesulfonic Acid (PFBS)	4.214	4.435	94.9	70-130
Perfluorohexanoic Acid (PFHxA)	4.964	5.000	99.3	70-130
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	17.200	18.750	92	70-130
Perfluoropentanesulfonic Acid (PFPeS)	4.877	4.705	103.8	70-130
Perfluoroheptanoic Acid (PFHpA)	4.897	5.000	97.9	70-130
Perfluorohexanesulfonic Acid (PFHxS)	4.062	4.570	89.1	70-130
Perfluorooctanoic Acid (PFOA)	4.524	5.000	90.5	70-130
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	16.008	19.000	84.3	70-130
Perfluoroheptanesulfonic Acid (PFHpS)	4.672	4.765	98.2	70-130
Perfluorononanoic Acid (PFNA)	4.966	5.000	99.3	70-130
Perfluorooctanesulfonic Acid (PFOS)	4.000	4.640	86.2	70-130
Perfluorodecanoic Acid (PFDA)	4.623	5.000	92.5	70-130
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	18.570	19.200	96.7	70-130
Perfluorononanesulfonic Acid (PFNS)	4.495	4.810	93.6	70-130
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	4.664	5.000	93.3	70-130
Perfluoroundecanoic Acid (PFUnA)	4.349	5.000	87	70-130
Perfluorodecanesulfonic Acid (PFDS)	4.245	4.825	88.1	70-130
Perfluorooctanesulfonamide (PFOSA)	4.439	5.000	88.8	70-130
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	4.750	5.000	95	70-130
Perfluorododecanoic Acid (PFDoA)	5.025	5.000	100.5	70-130
Perfluorotridecanoic Acid (PFTrDA)	5.090	5.000	101.8	70-130
Perfluorotetradecanoic Acid (PFTeDA)	4.975	5.000	99.5	70-130
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	19.797	20.000	99	70-130
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	19.006	18.900	100.6	70-130
Perfluorododecanesulfonic Acid (PFDoS)	4.045	4.850	83.6	70-130
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	19.004	18.700	101.6	70-130
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	20.027	18.900	106	70-130
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	5.018	5.000	100.4	70-130
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	4.714	5.000	94.3	70-130
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	47.500	50.000	95	70-130
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	49.626	50.000	99.3	70-130
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	8.862	10.000	88.6	70-130
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	8.875	10.000	88.8	70-130
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	8.223	8.900	92.2	70-130
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	10.359	10.000	103.6	70-130
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	22.490	25.000	90	70-130
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	112.086	125.000	89.7	70-130
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	120.657	125.000	96.5	70-130
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	9.914	10.000	99.1	70-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	5.407	5.000	108.1	70-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	2.573	2.330	110.5	70-130

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Instrument ID	: LCMS09	**Calibration Date**	: 12/24/24 12:14
Lab File ID	: SCI09_241224_22	**Init. Calib. Date(s)**	: 11/12/24 11/12/24
Sample No	: WG2013165-5	**Init. Calib. Times**	: 13:47 14:58
Channel	:		

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	4.904	9.380	104.6	70-130
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	2.348	2.500	93.9	70-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	2.355	2.500	94.2	70-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	2.376	2.370	100.3	70-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	2.657	2.500	106.3	70-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	4.668	9.510	98.1	70-130
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	1.205	1.250	96.4	70-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	2.559	2.395	106.6	70-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	1.364	1.250	109.1	70-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	3.598	9.600	75	70-130
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	5.236	5.000	104.7	70-130
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	1.253	1.250	100.3	70-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	2.740	2.500	109.6	70-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	4.278	5.000	85.6	70-130
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	1.099	1.250	88	70-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	1.074	1.250	85.9	70-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	9.636	10.000	96.4	70-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	2.711	2.500	108.4	70-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	2.815	2.500	112.6	70-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	28.588	25.000	114.4	70-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	29.314	25.000	117.3	70-130
Perfluoro-[1,2-13C2]octanoic Acid (13C2-PFOA)	2.554	2.500	102.2	70-130
Perfluoro-n-[1,2-13C2]Hexanoic Acid (13C2-PFHxA)	3.097	2.500	123.9	70-130
Perfluoro-n-[1,2,3,4-13C4]Octanoic Acid (13C4-PFOA)	2.566	2.500	102.6	70-130
Perfluoro-n-[1,2,3,4-13C4]Octanesulfonic Acid (13C4-PFOS)	2.112	2.395	88	70-130
Perfluoro-n-[1,2-13C2]Decanoic Acid (13C2-PFDA)	1.266	1.250	101.3	70-130
Perfluoro-n-[2,3,4-13C3]Butanoic Acid (13C3-PFBA)	6.860	5.000	137.2*	70-130
Perfluoro-n-[1,2,3,4,5-13C5]Nonanoic Acid (13C5-PFNA)	1.297	1.250	103.7	70-130
Perfluoro-1-hexane[18O2]Sulfonic Acid (18O2-PFHxS)	2.495	2.370	105.3	70-130
1H,1H,2H,2H-Perfluoro[1,2-13C2D4]Hexanesulfonic Acid (13C2D4-4:2FTS)	5.153	5.000	103.1	70-130

*** Value outside of QC limits.**

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_15.wiff2_1
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

Method: EPA1633F.qmethod
Calibration: 241112_1633_ICAL

ID: WG2012688-1,1633LOW
Name: SCI09_241223_15.wiff2
Date & Time: 2024-12-23T13:25:12
Description: WG2012688,WG2000000,ICAL21696,1633LOW
Instrument: SCIEX Triple Quad 5500+
User: LCMS09:JW

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.53	213.0 / 169.0	124945		0.784	N/A	N/A	N/A	98.0
2	PFPeA	2706-90-3	1.04	263.0 / 219.0	55310		0.419	0.008	N/A	N/A	104.8
3	PFPeA_2	2706-90-3	1.05	263.0 / 68.9	469	M4	0.408	0.008	N/A	N/A	102.0
4	PFHxA	307-24-4	1.82	313.0 / 269.0	32378		0.210	0.092	0.089	Pass	105.1
5	PFHxA_2	307-24-4	1.82	313.0 / 119.0	2990		0.214	0.092	0.089	Pass	106.9
6	PFHpA	375-85-9	2.40	363.1 / 319.0	39770		0.203	0.374	0.384	Pass	101.4
7	PFHpA_2	375-85-9	2.40	363.1 / 169.0	14880		0.195	0.374	0.384	Pass	97.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	2.89	413.1 / 369.1	42339	m5	0.213	0.373	0.410	Pass	106.3
9	PFOA_2	335-67-1	2.89	413.1 / 169.0	15812	m5	0.194	0.373	0.410	Pass	97.1
10	PFNA	375-95-1	3.33	462.8 / 418.9	39845	m5	0.202	0.362	0.341	Pass	101.0
11	PFNA_2	375-95-1	3.33	462.8 / 219.0	14422	m5	0.212	0.362	0.341	Pass	106.0
12	PFDA	335-76-2	3.75	513.1 / 469.1	41972		0.210	0.174	0.215	Pass	105.1
13	PFDA_2	335-76-2	3.75	513.1 / 219.0	7320		0.195	0.174	0.215	Pass	97.3
14	PFUnA	2058-94-8	4.14	563.1 / 519.1	44832		0.193	0.191	0.151	Pass	96.5
15	PFUnA_2	2058-94-8	4.14	563.1 / 269.0	8546		0.247	0.191	0.151	Pass	123.5
16	PFDoA	307-55-1	4.53	613.1 / 569.1	48189		0.196	0.143	0.140	Pass	97.9
17	PFDoA_2	307-55-1	4.52	613.1 / 319.0	6867		0.198	0.143	0.140	Pass	99.2
18	PFTrDA	72629-94-8	4.90	663.1 / 619.1	44806		0.200	0.164	0.159	Pass	99.9
19	PFTrDA_2	72629-94-8	4.90	663.1 / 169.0	7369		0.212	0.164	0.159	Pass	106.2
20	PFTeDA	376-06-7	5.26	713.1 / 669.1	40142		0.195	0.148	0.159	Pass	97.4
21	PFTeDA_2	376-06-7	5.25	713.1 / 169.0	5954		0.181	0.148	0.159	Pass	90.3
22	PFBS	375-73-5	1.81	299.1 / 80.1	26287		0.157	0.472	0.398	Pass	88.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	1.81	299.1 / 99.1	12409		0.213	0.472	0.398	Pass	113.1
24	PFPeS	2706-91-4	2.45	349.1 / 80.1	27949		0.174	0.320	0.285	Pass	92.4
25	PFPeS_2	2706-91-4	2.45	349.1 / 99.1	8945		0.178	0.320	0.285	Pass	94.5
26	PFHxS	355-46-4	2.98	399.1 / 80.1	27475	m5	0.178	0.292	0.293	Pass	97.7
27	PFHxS_2	355-46-4	2.98	399.1 / 99.1	8020	m5	0.181	0.292	0.293	Pass	99.2
28	PFHpS	375-92-8	3.45	449.1 / 80.1	28008		0.200	0.310	0.308	Pass	105.2
29	PFHpS_2	375-92-8	3.45	449.1 / 99.1	8692		0.212	0.310	0.308	Pass	111.8
30	PFOS	1763-23-1	3.88	499.1 / 80.1	30105	m5	0.185	0.292	0.241	Pass	99.6
31	PFOS_2	1763-23-1	3.88	499.1 / 99.1	8783	m5	0.223	0.292	0.241	Pass	119.9
32	PFNS	68259-12-1	4.29	549.1 / 80.1	21753		0.186	0.258	0.299	Pass	96.9
33	PFNS_2	68259-12-1	4.29	549.1 / 99.1	5620		0.165	0.258	0.299	Pass	85.9
34	PFDS	335-77-3	4.67	599.1 / 80.1	20802		0.167	0.292	0.274	Pass	86.7
35	PFDS_2	335-77-3	4.67	599.1 / 99.1	6071		0.171	0.292	0.274	Pass	88.5
36	PFDoS	79780-39-5	5.40	699.2 / 80.1	17620		0.163	0.242	0.247	Pass	83.9
37	PFDoS_2	79780-39-5	5.40	699.2 / 99.1	4269		0.154	0.242	0.247	Pass	79.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	1.61	327.1 / 307.1	27683		0.809	0.599	0.634	Pass	107.8
39	4:2FTS_2	757124-72-4	1.61	327.1 / 81.1	16592		0.767	0.599	0.634	Pass	102.2
40	6:2FTS	27619-97-2	2.71	427.2 / 407.2	24799		0.800	0.647	0.609	Pass	105.1
41	6:2FTS_2	27619-97-2	2.71	427.2 / 81.1	16044		0.833	0.647	0.609	Pass	109.5
42	8:2FTS	39108-34-4	3.57	527.2 / 507.2	19433		0.772	0.713	0.681	Pass	100.5
43	8:2FTS_2	39108-34-4	3.57	527.2 / 81.1	13850		0.849	0.713	0.681	Pass	110.5
44	PFOSA	754-91-6	5.18	498.1 / 78.1	39978	m5	0.190	0.025	0.024	Pass	94.8
45	PFOSA_2	754-91-6	5.19	498.1 / 478.0	996	m5	0.191	0.025	0.024	Pass	95.7
46	NMeFOSA	31506-32-8	5.92	512.2 / 219.0	8918	m5	0.205	1.417	1.421	Pass	102.4
47	NMeFOSA_2	31506-32-8	5.88	512.2 / 169.0	12633	m5	0.202	1.417	1.421	Pass	100.8
48	NEtFOSA	4151-50-2	6.22	526.2 / 219.0	8563	m5	0.204	1.266	1.258	Pass	102.2
49	NEtFOSA_2	4151-50-2	6.17	526.2 / 169.0	10837	m5	0.200	1.266	1.258	Pass	100.1
50	NMeFOSAA	2355-31-9	3.89	570.2 / 419.1	4695	m5	0.238	0.666	0.683	Pass	119.1
51	NMeFOSAA_2	2355-31-9	3.89	570.2 / 483.0	3126	m5	0.226	0.666	0.683	Pass	113.2
52	NEtFOSAA	2991-50-6	4.10	584.2 / 419.1	3817	M5	0.179	0.507	0.571	Pass	89.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.10	584.2 / 526.2	1936	M5	0.156	0.507	0.571	Pass	78.1
54	NMeFOSE	24448-09-7	5.79	616.1 / 58.9	125667	m5	2.002	N/A	N/A	N/A	100.1
55	NEtFOSE	1691-99-2	6.09	630.0 / 58.9	172004	m5	2.017	N/A	N/A	N/A	100.8
56	HFPO-DA	13252-13-6	2.03	285.0 / 169.0	111496		0.838	0.543	0.510	Pass	104.8
57	HFPO-DA_2	13252-13-6	2.03	285.0 / 184.9	60535		0.849	0.543	0.510	Pass	106.1
58	ADONA	919005-14-4	2.59	376.9 / 251.0	163879		0.644	0.918	0.636	Pass	85.2
59	ADONA_2	919005-14-4	2.59	376.9 / 84.8	150519		0.778	0.918	0.636	Pass	102.9
60	9Cl-PF3ONS	756426-58-1	4.16	530.8 / 351.1	239738		0.819	0.321	0.326	Pass	109.8
61	9Cl-PF3ONS_2	756426-58-1	4.16	532.8 / 353.0	76951		0.787	0.321	0.326	Pass	105.4
62	11Cl-PF3OUdS	763051-92-9	4.94	630.9 / 451.0	198078		0.764	0.331	0.318	Pass	101.4
63	11Cl-PF3OUdS_2	763051-92-9	4.94	632.9 / 452.9	65502		0.789	0.331	0.318	Pass	104.7
64	3:3FTCA	356-02-5	1.41	241.1 / 177.1	10494		0.987	1.141	1.068	Pass	98.7
65	3:3FTCA_2	356-02-5	1.41	241.1 / 117.0	11977		1.051	1.141	1.068	Pass	105.1
66	5:3FTCA	914637-49-3	2.96	341.1 / 237.1	239427		5.927	1.009	1.045	Pass	118.5
67	5:3FTCA_2	914637-49-3	2.96	341.1 / 217.0	241600		5.849	1.009	1.045	Pass	117.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	3.99	441.1 / 316.9	185840		4.720	1.450	1.285	Pass	94.4
69	7:3FTCA_2	812-70-4	3.99	441.1 / 337.1	269388		5.275	1.450	1.285	Pass	105.5
70	PFEESA	113507-82-7	2.11	315.1 / 135.0	166022		0.375	0.079	0.081	Pass	104.9
71	PFEESA_2	113507-82-7	2.11	315.1 / 82.9	13090		0.364	0.079	0.081	Pass	101.9
72	PFMPA	377-73-1	0.67	229.0 / 85.0	59680		0.361	N/A	N/A	N/A	90.2
73	PFMBA	863090-89-5	1.32	279.0 / 85.0	64258		0.383	N/A	N/A	N/A	95.8
74	NFDHA	151772-58-6	1.74	295.0 / 201.0	45605		0.490	0.697	0.681	Pass	122.4
75	NFDHA_2	151772-58-6	1.74	295.0 / 84.9	31780		0.474	0.697	0.681	Pass	118.5
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	5.357	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	5.357	N/A	N/A
78	13C2D4-4:2FTS	Surr	1.60	333.2 / 312.1	111209		4.848	N/A	N/A	N/A	97.0
79	13C2-PFOA	Surr	2.89	415.0 / 370.0	330268		2.499	N/A	N/A	N/A	100.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.53	217.0 / 172.0	1869805		9.987	NA	NA	NA	99.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.04	268.0 / 223.0	752637		5.253	NA	NA	NA	105.1
	13C5-PFHxA	EIS	1.82	318.0 / 273.0	335916		2.222	NA	NA	NA	88.9
	13C4-PFHpA	EIS	2.40	367.0 / 322.0	322184		2.554	NA	NA	NA	102.2
	13C8-PFOA	EIS	2.89	420.8 / 376.0	615933		2.645	NA	NA	NA	105.8
	13C9-PFNA	EIS	3.33	472.0 / 427.0	278108		1.265	NA	NA	NA	101.2
	13C6-PFDA	EIS	3.74	519.0 / 474.0	294869		1.314	NA	NA	NA	105.1
	13C7-PFUnA	EIS	4.14	570.0 / 525.0	357071		1.434	NA	NA	NA	114.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.52	615.1 / 570.0	350513		1.317	NA	NA	NA	105.4
	13C2-PFTeDA	EIS	5.25	715.1 / 670.1	261060		1.322	NA	NA	NA	105.7
	13C3-PFBS	EIS	1.80	302.1 / 80.1	389798		2.444	NA	NA	NA	104.9
	13C3-PFHxS	EIS	2.98	402.1 / 80.1	356072		2.520	NA	NA	NA	106.3
	13C8-PFOS	EIS	3.88	507.1 / 80.1	369065		2.528	NA	NA	NA	105.3
	13C2-4:2FTS	EIS	1.61	329.1 / 81.1	102152		4.610	NA	NA	NA	98.3
	13C2-6:2FTS	EIS	2.71	429.2 / 81.1	94376		4.798	NA	NA	NA	100.8
	13C2-8:2FTS	EIS	3.56	529.2 / 81.1	96770		4.157	NA	NA	NA	86.6

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C8-PFOSA	EIS	5.18	506.1 / 78.1	670958		2.706	NA	NA	NA	108.3
d3-NMeFOSA	EIS	5.91	515.2 / 219.0	100923		2.486	NA	NA	NA	99.5
d5-NEtFOSA	EIS	6.20	531.2 / 219.0	94114		2.555	NA	NA	NA	102.2
d3-NMeFOSAA	EIS	3.88	573.2 / 419.1	124243		4.930	NA	NA	NA	98.6
d5-NEtFOSAA	EIS	4.09	589.3 / 419.1	113066		4.552	NA	NA	NA	91.0
d7-NMeFOSE	EIS	5.77	623.2 / 58.9	728035		27.688	NA	NA	NA	110.8
d9-NEtFOSE	EIS	6.06	639.2 / 58.9	988646		27.942	NA	NA	NA	111.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.03	287.0 / 169.0	1394864		9.449	NA	NA	NA	94.5
	13C3-PFBA	NIS	0.53	216.0 / 172.0	816173		6.436	NA	NA	NA	128.7
	13C2-PFHxA	NIS	1.82	315.0 / 270.0	419395		2.816	NA	NA	NA	112.6
	13C4-PFOA	NIS	2.89	417.0 / 372.0	371290		2.576	NA	NA	NA	103.0
	13C5-PFNA	NIS	3.33	468.0 / 423.0	273800		1.341	NA	NA	NA	107.3
	13C2-PFDA	NIS	3.74	515.1 / 470.1	266326		1.263	NA	NA	NA	101.0
	18O2-PFHxS	NIS	2.98	403.1 / 84.1	295035		2.529	NA	NA	NA	106.7
	13C4-PFOS	NIS	3.88	503.1 / 80.1	290808		2.317	NA	NA	NA	96.6

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec

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PFBA
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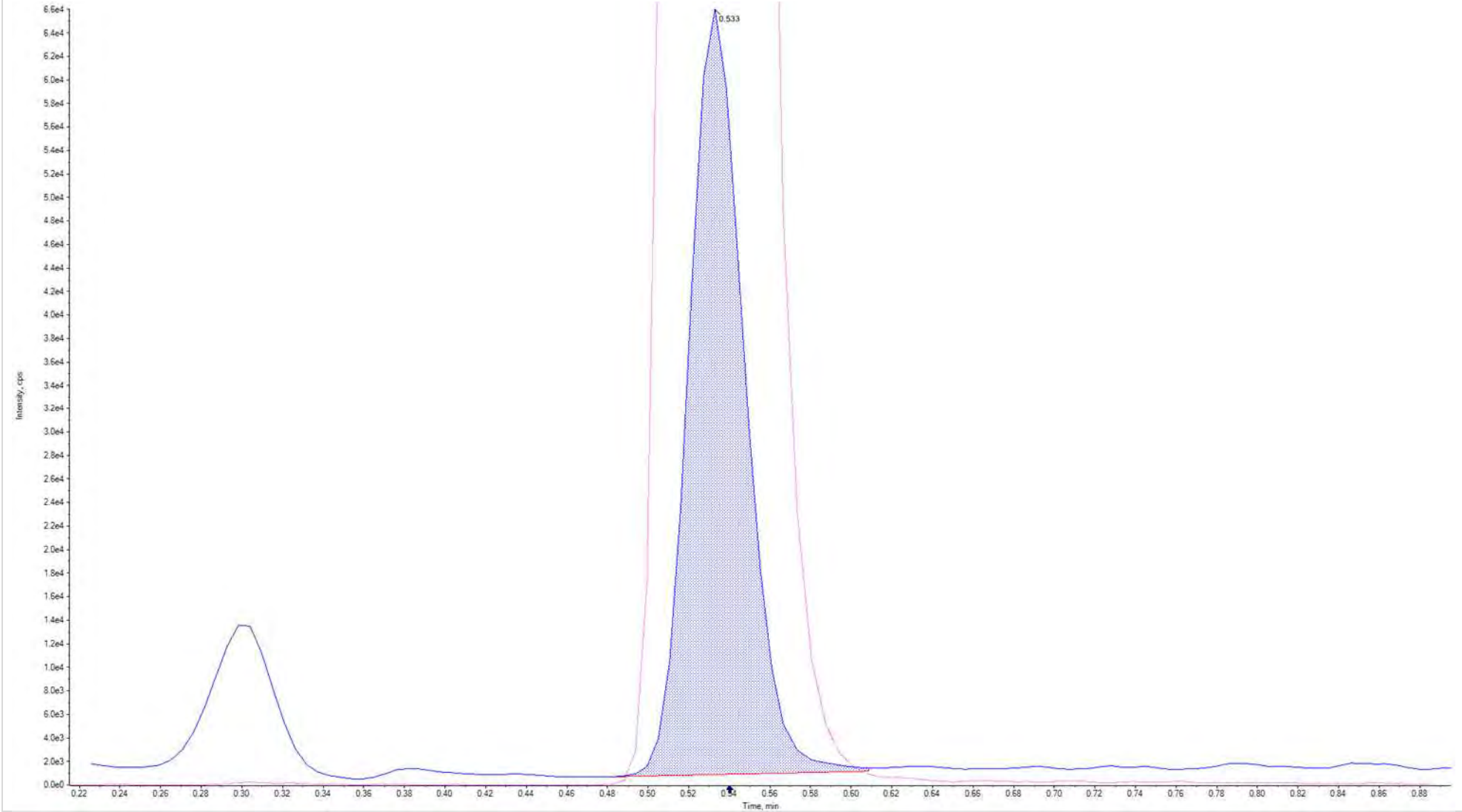

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PFPeA
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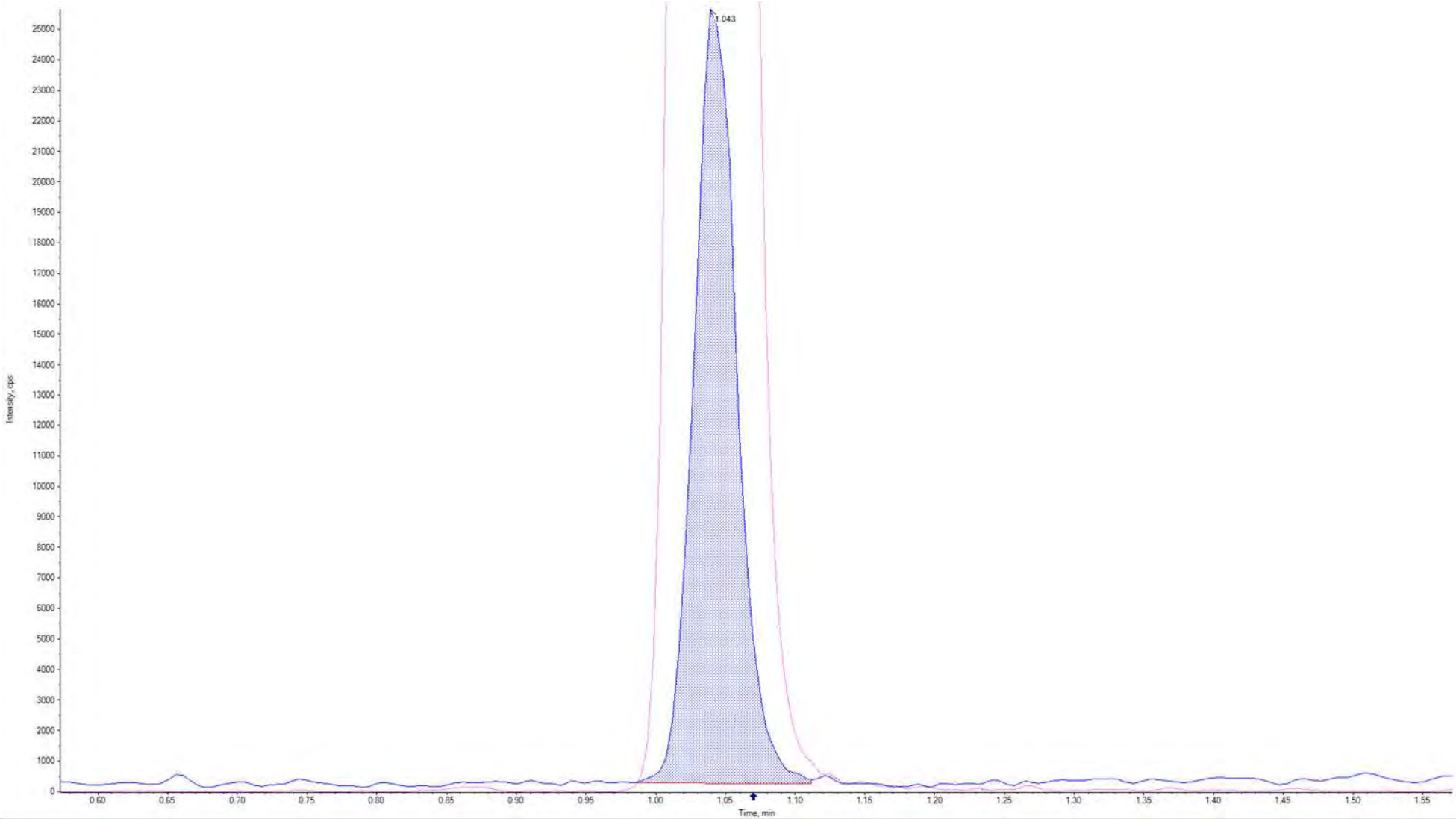
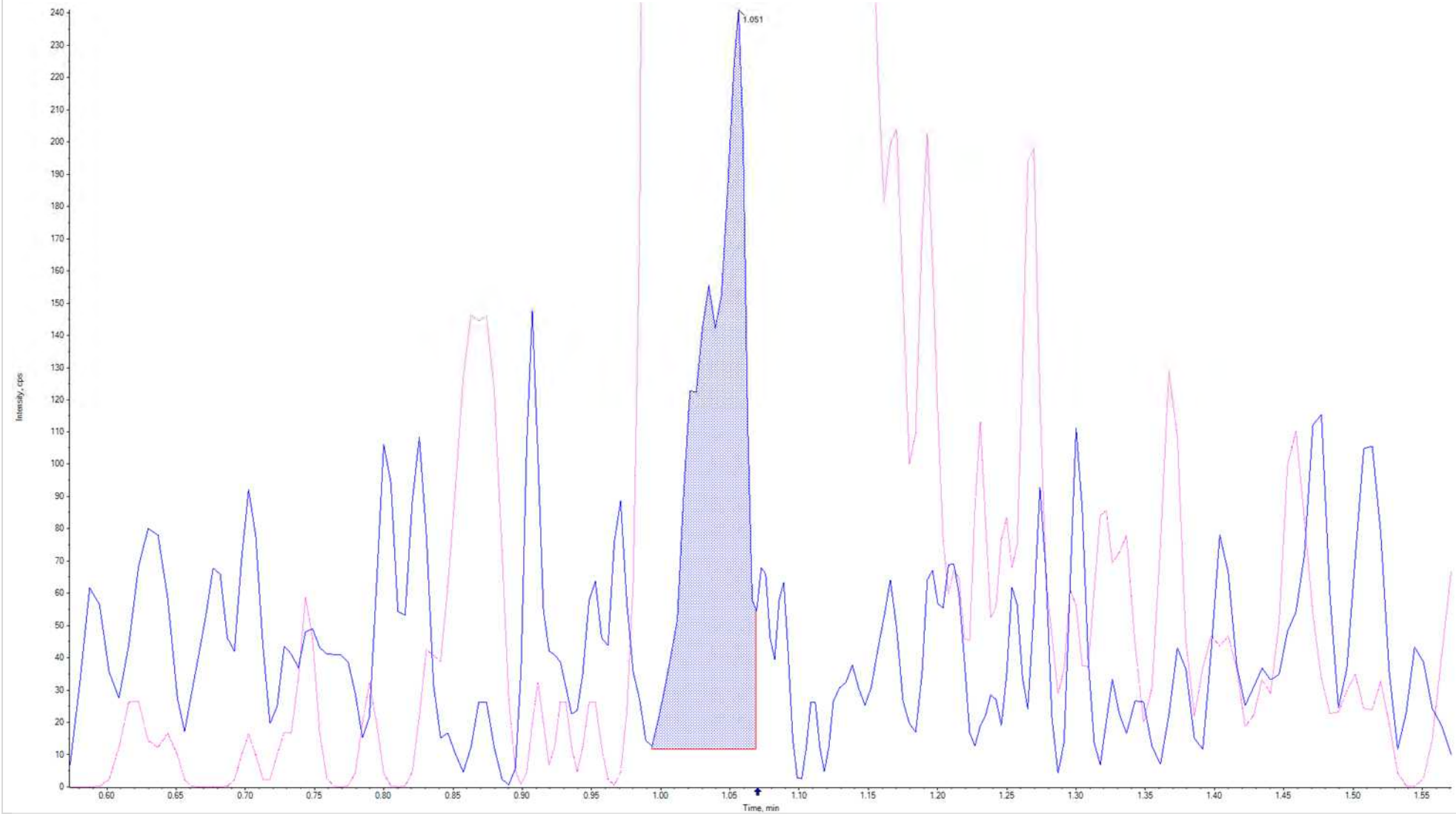


PFPeA_2
Sample: WG2012688-1,1633LOW S/N:13.8 Points Across peak:19



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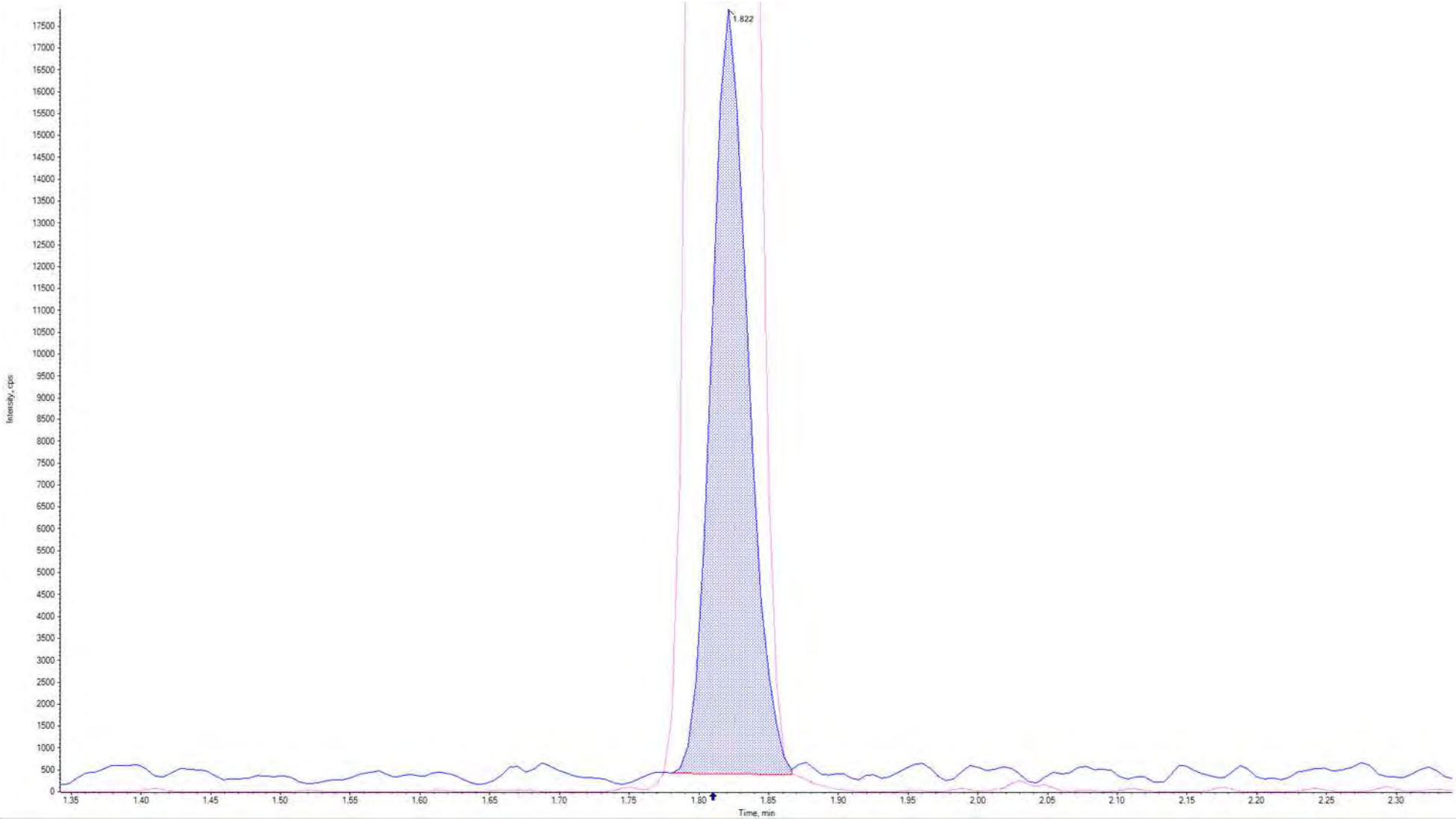
PFHxA
Sample: WG2012688-1,1633LOW S/N:346.8 Points Across peak:16



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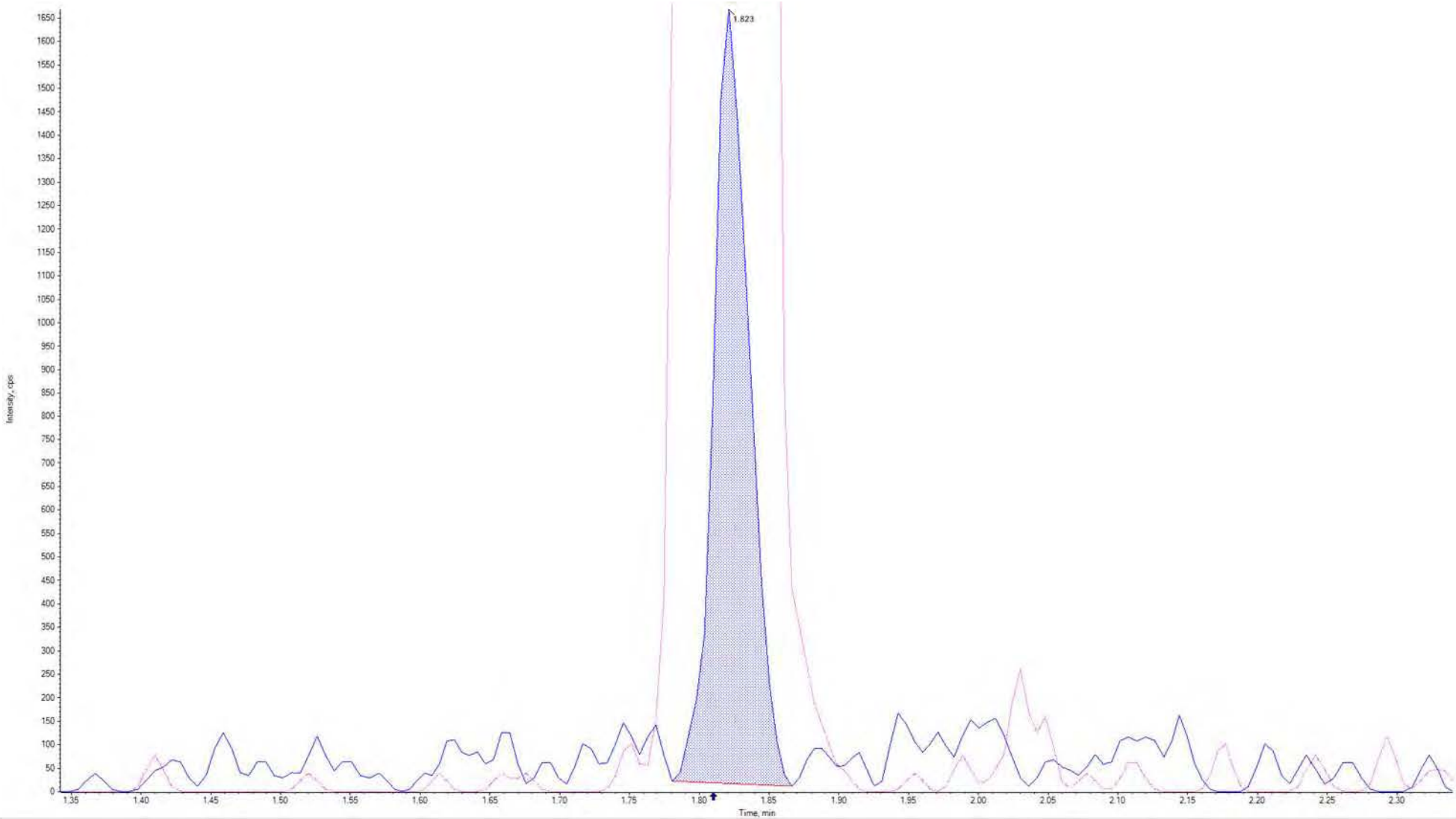
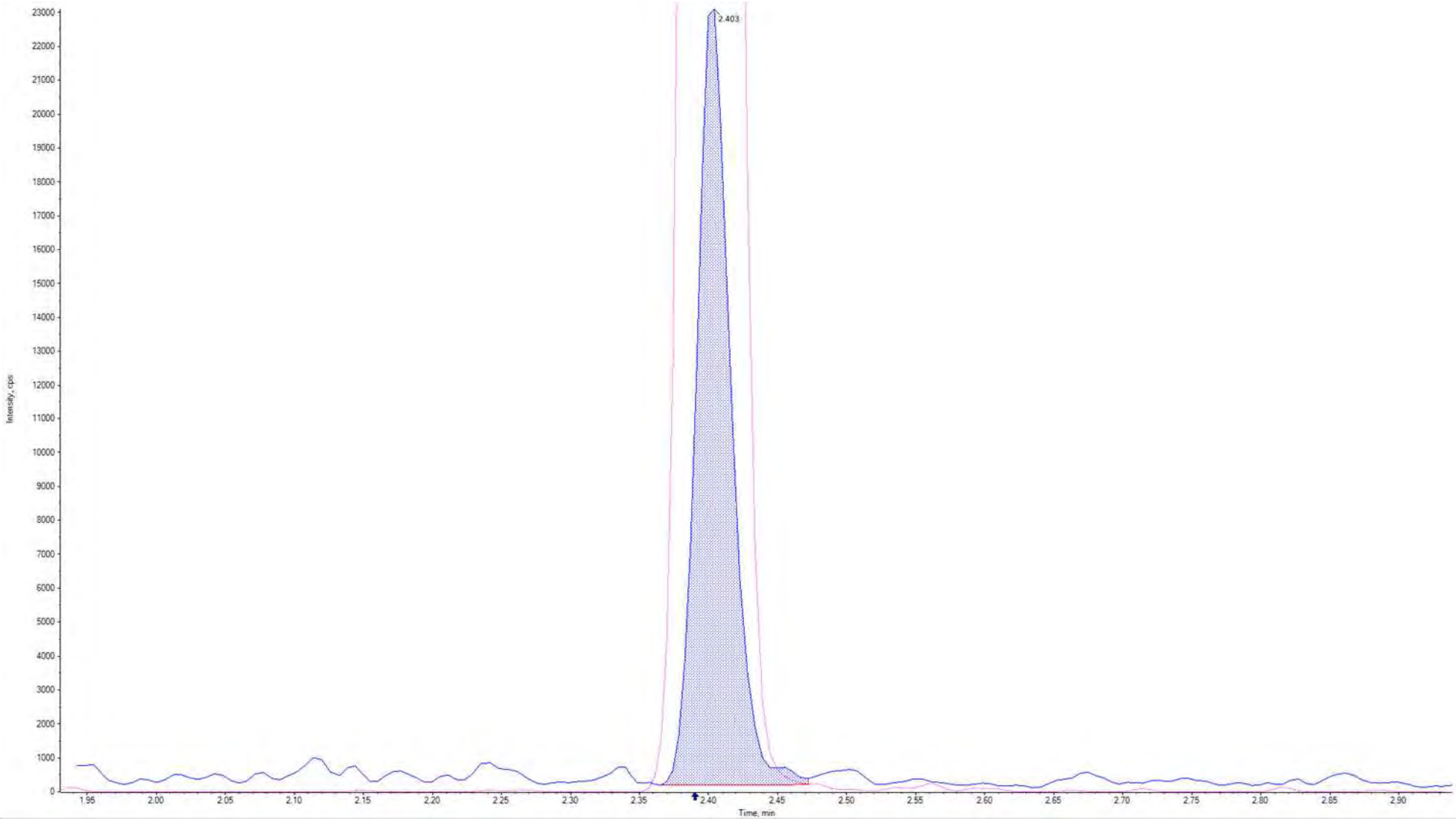
PFHxA_2
Sample: WG2012688-1,1633LOW S/N:41.4 Points Across peak:16



PFHpA
Sample: WG2012688-1,1633LOW S/N:459.0 Points Across peak:23



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PFHpA_2
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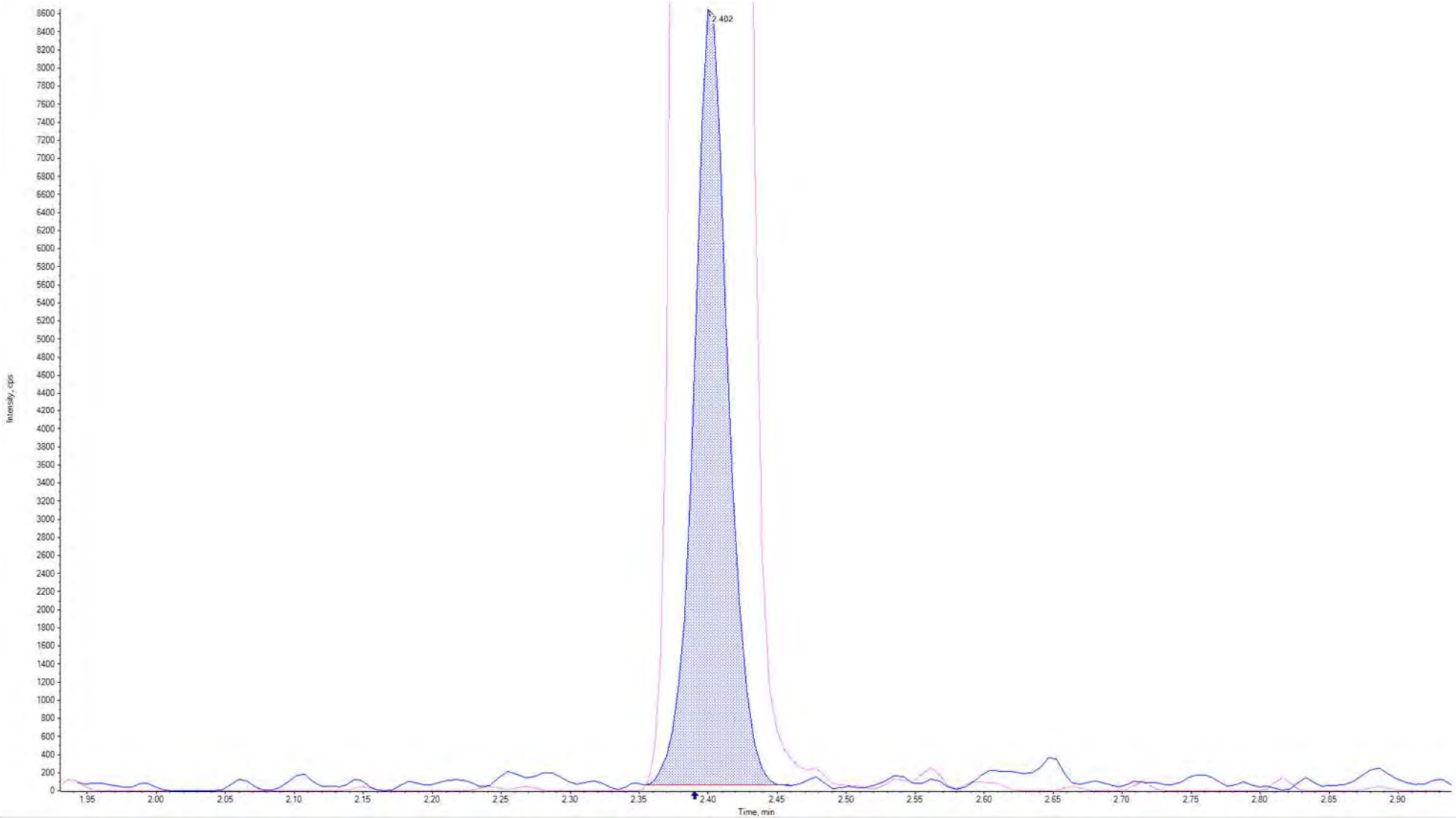

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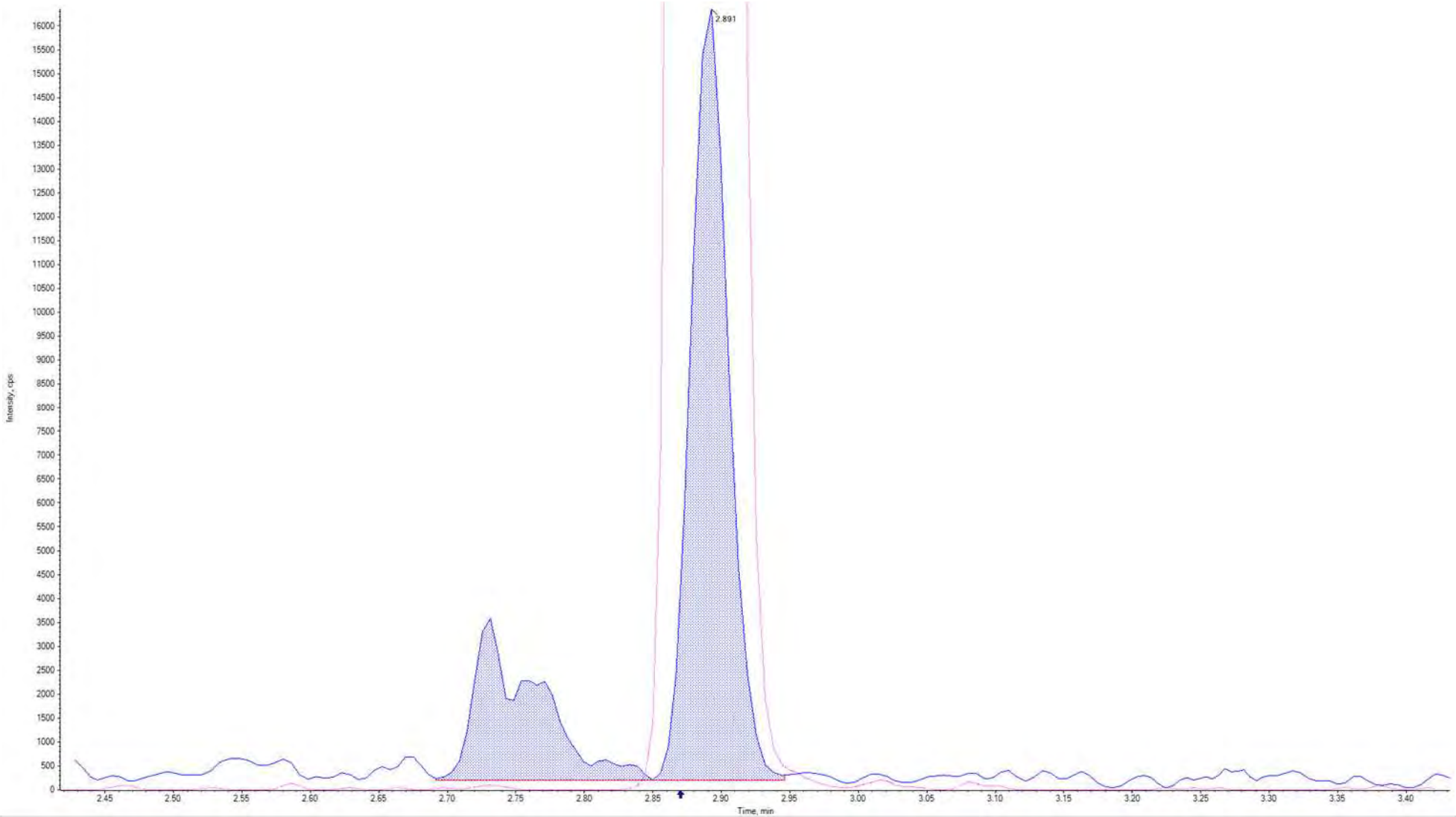
PFOA
Sample: WG2012688-1,1633LOW S/N:163.8 Points Across peak:46



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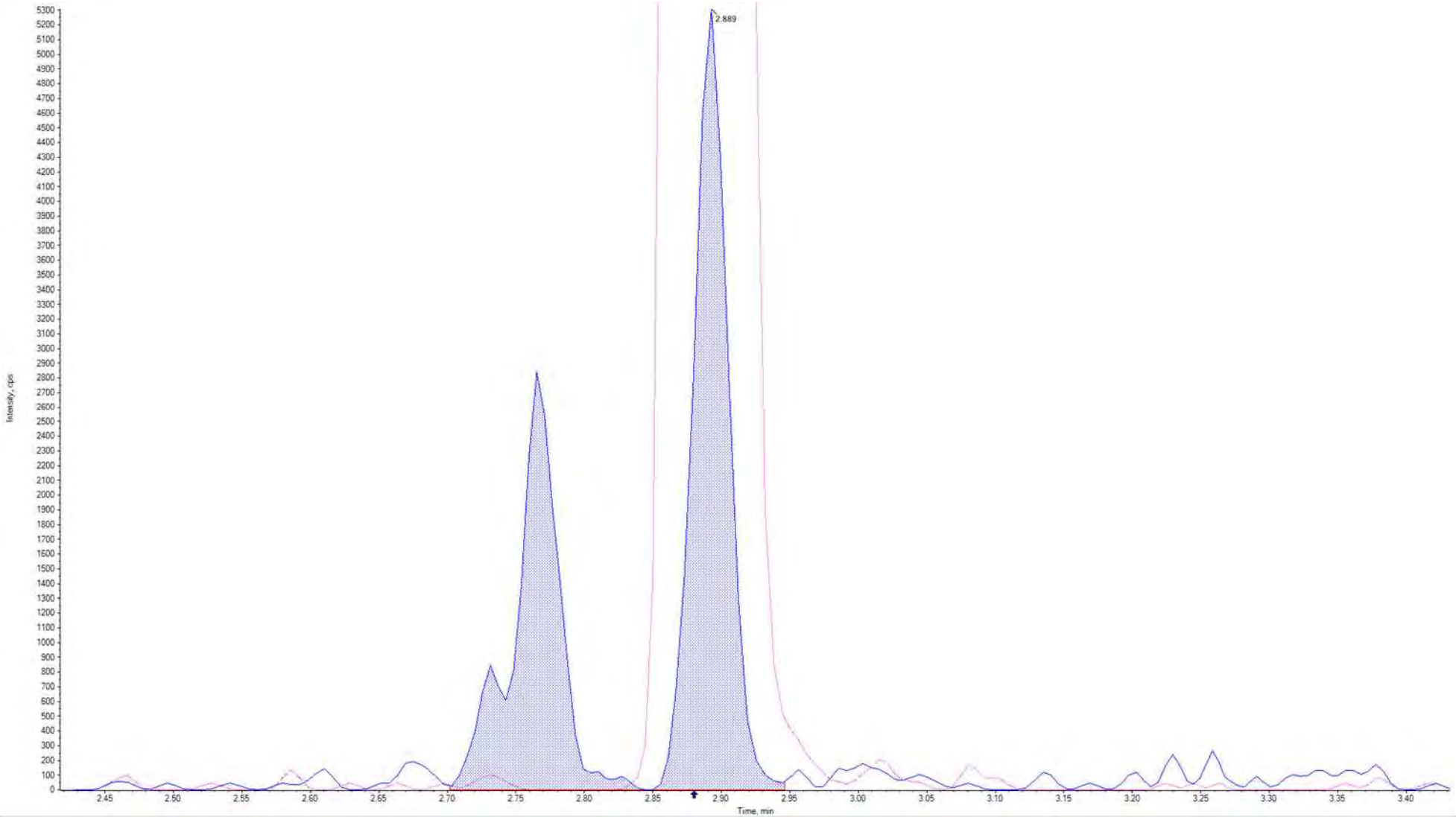
PFOA_2
Sample: WG2012688-1,1633LOW S/N:104.2 Points Across peak:44



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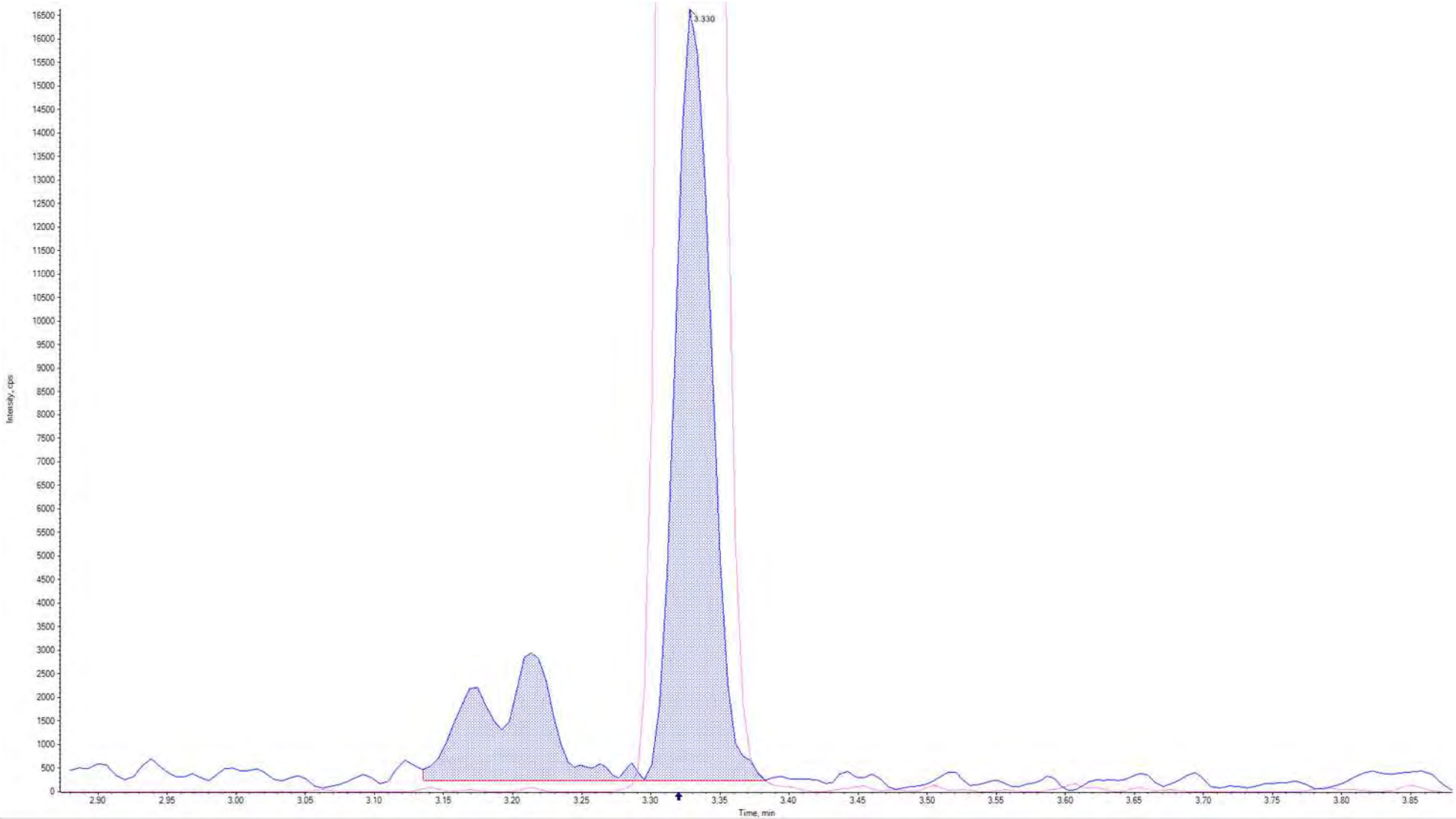
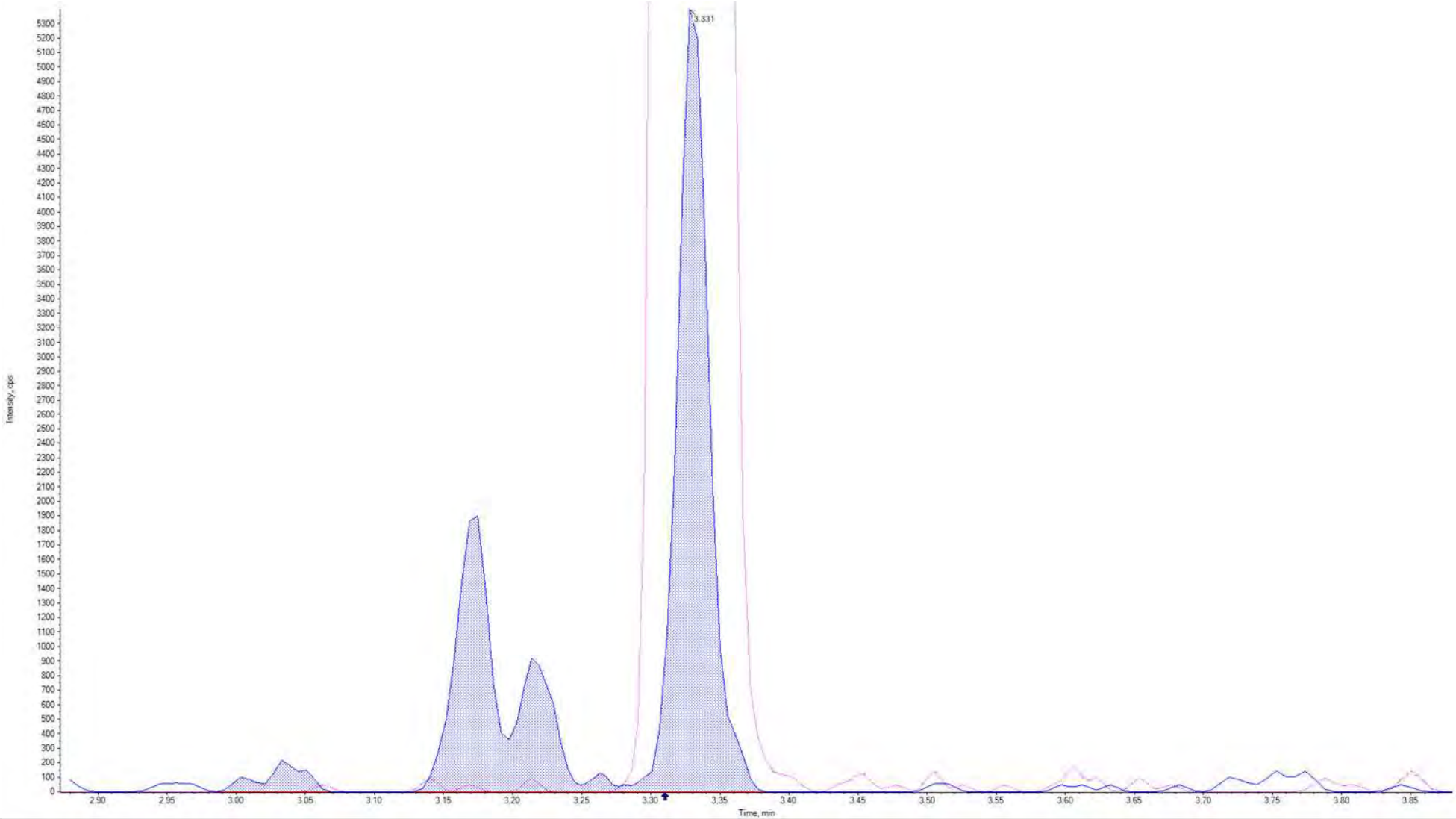
PFNA
Sample: WG2012688-1,1633LOW S/N:146.9 Points Across peak:49



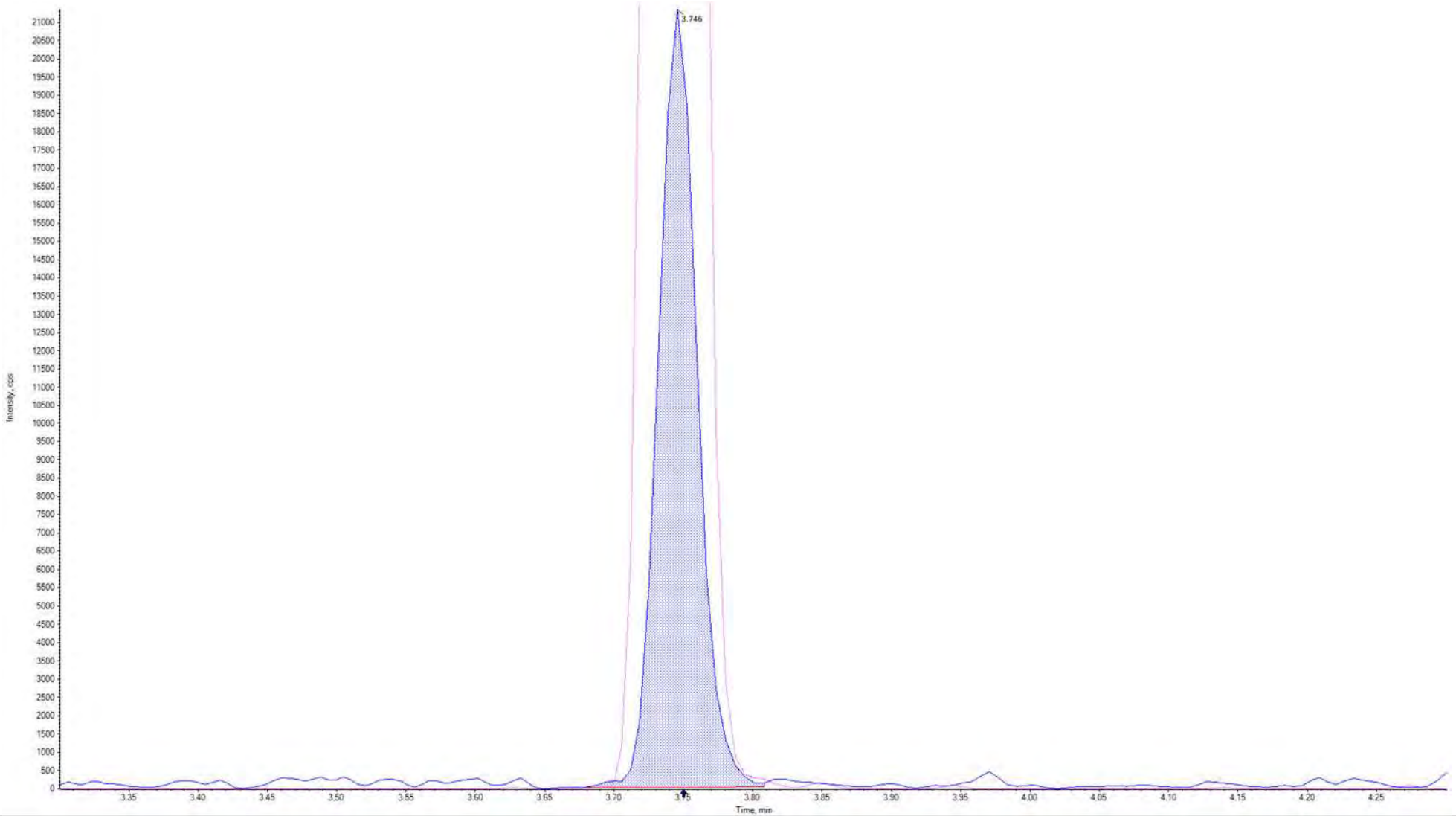
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_15.wiff2_1
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFNA_2
Sample: WG2012688-1,1633LOW S/N:121.8 Points Across peak:75



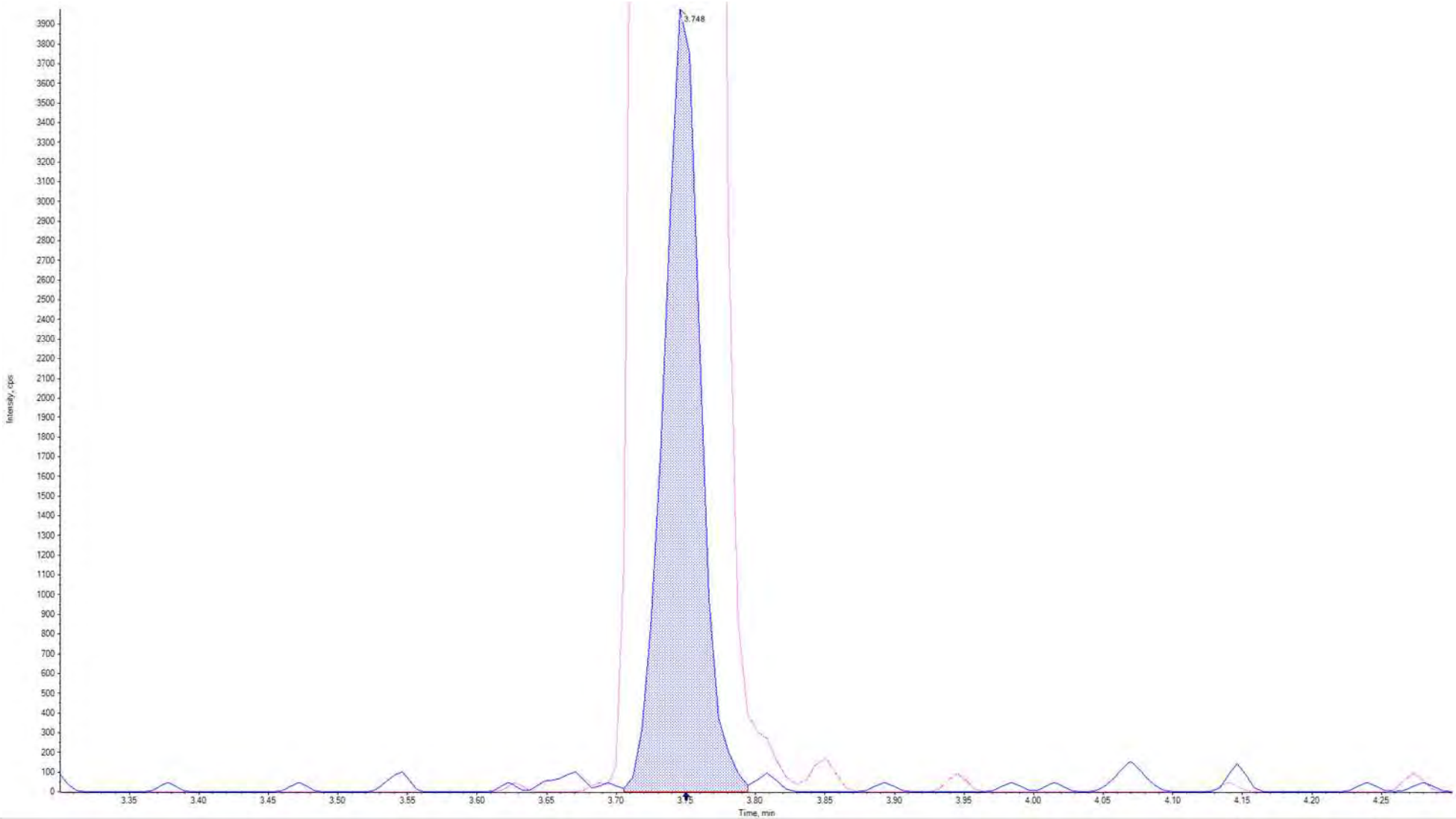
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_15.wiff2_1
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFDA
Sample: WG2012688-1,1633LOW S/N:427.5 Points Across peak:22



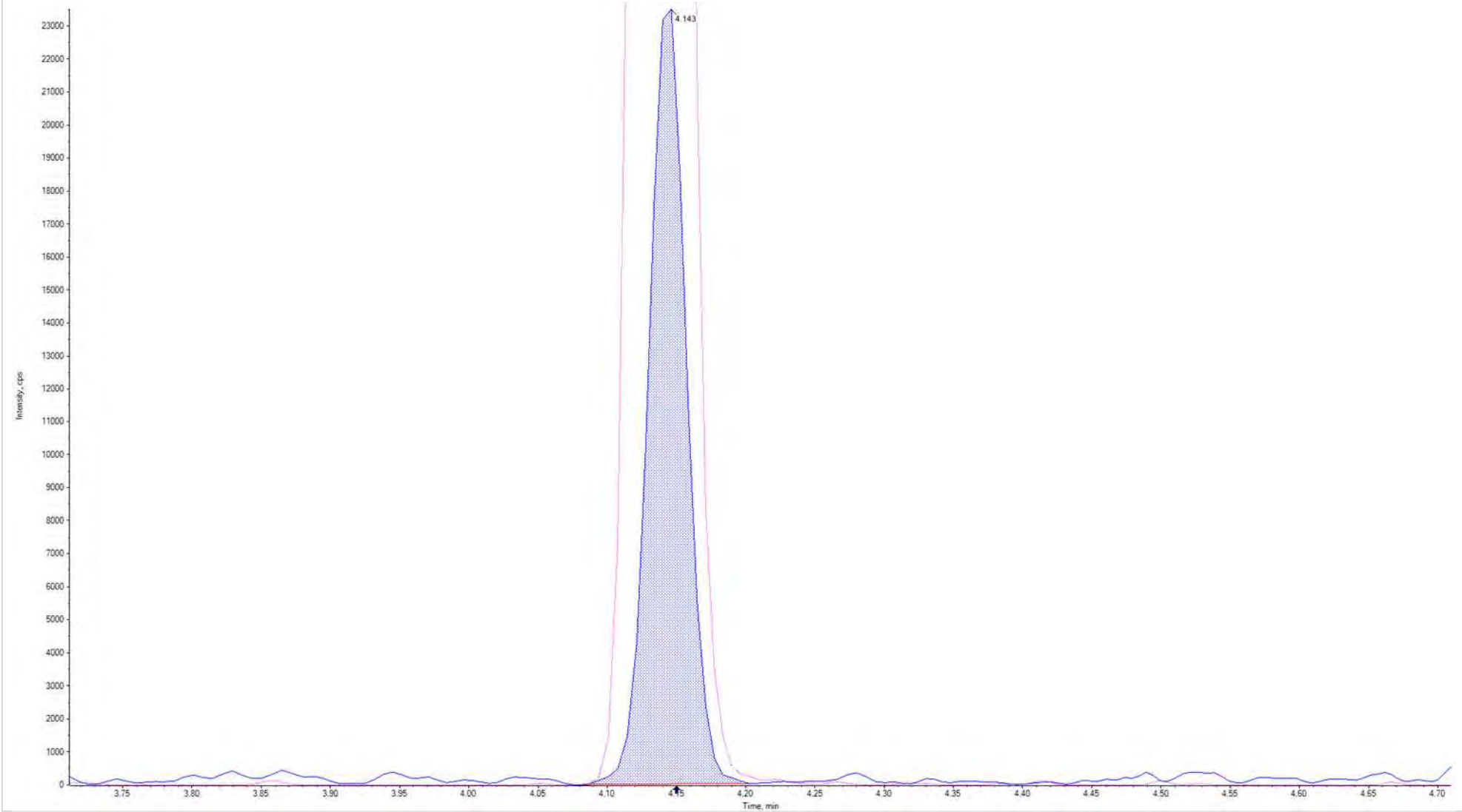
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_15.wiff2_1
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFDA_2
Sample: WG2012688-1,1633LOW S/N:79.7 Points Across peak:14



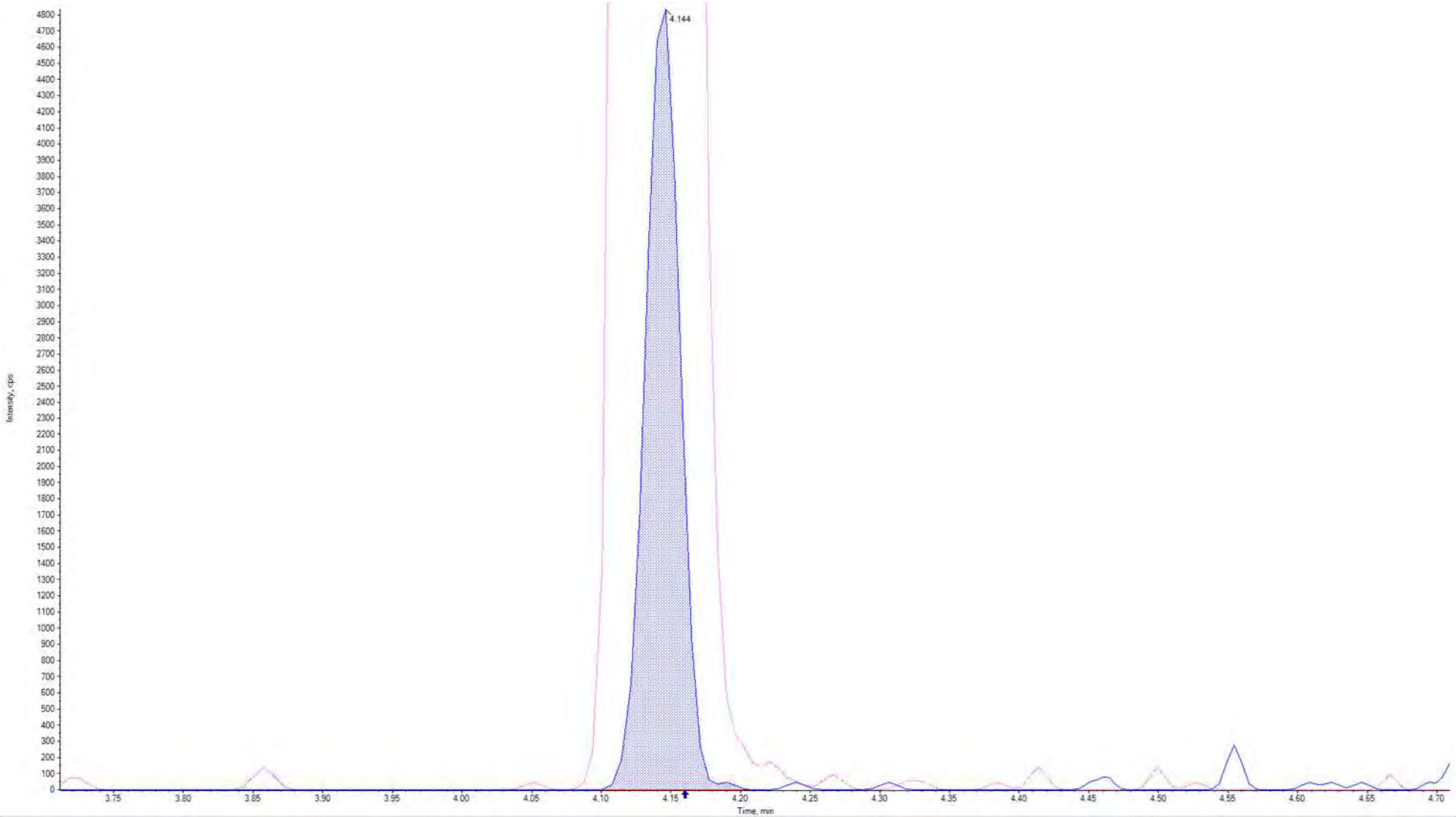
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_15.wiff2_1
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFUnA
Sample: WG2012688-1,1633LOW S/N:529.7 Points Across peak:20



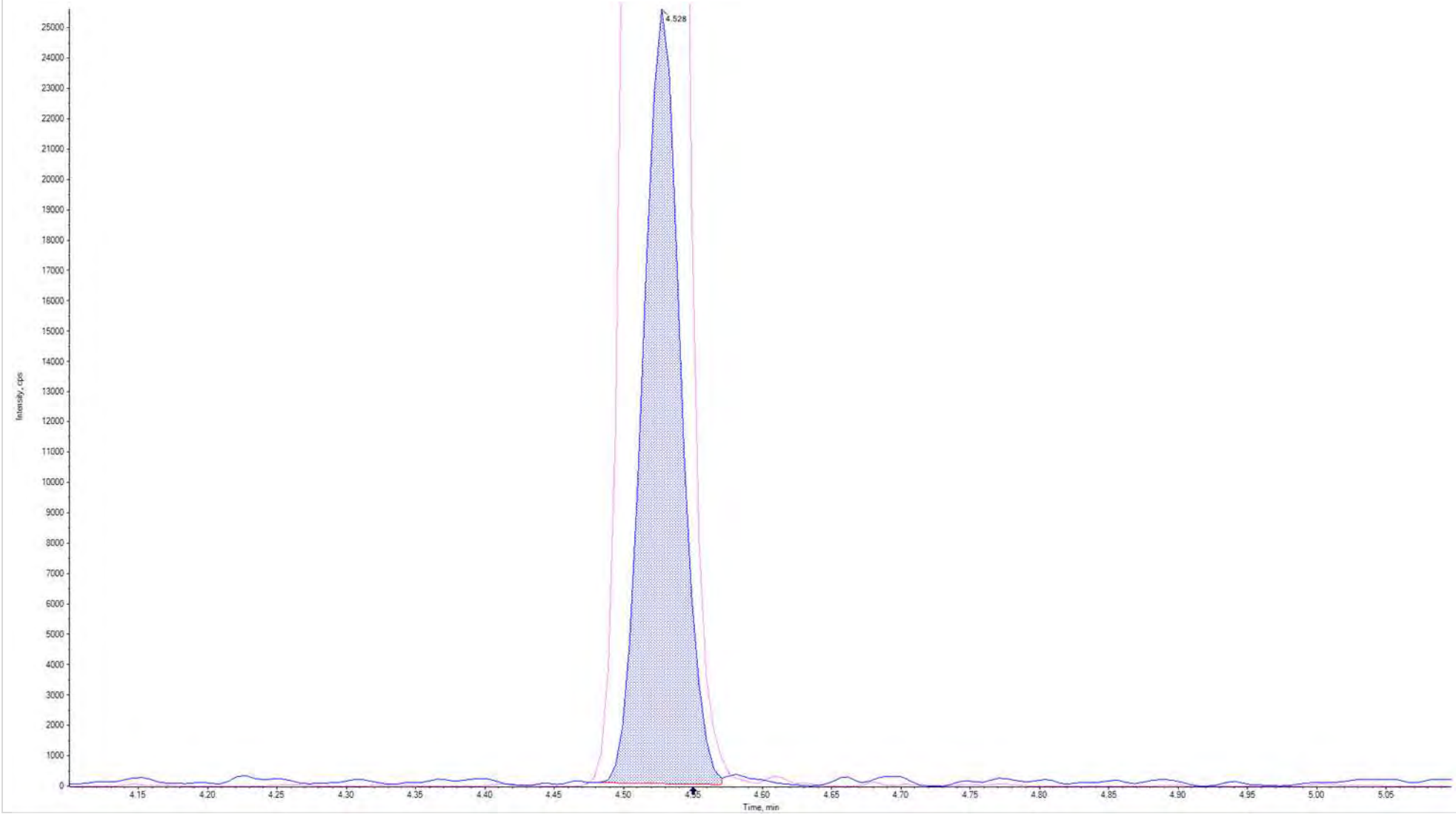
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_15.wiff2_1
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFUnA_2
Sample: WG2012688-1,1633LOW S/N:109.1 Points Across peak:24



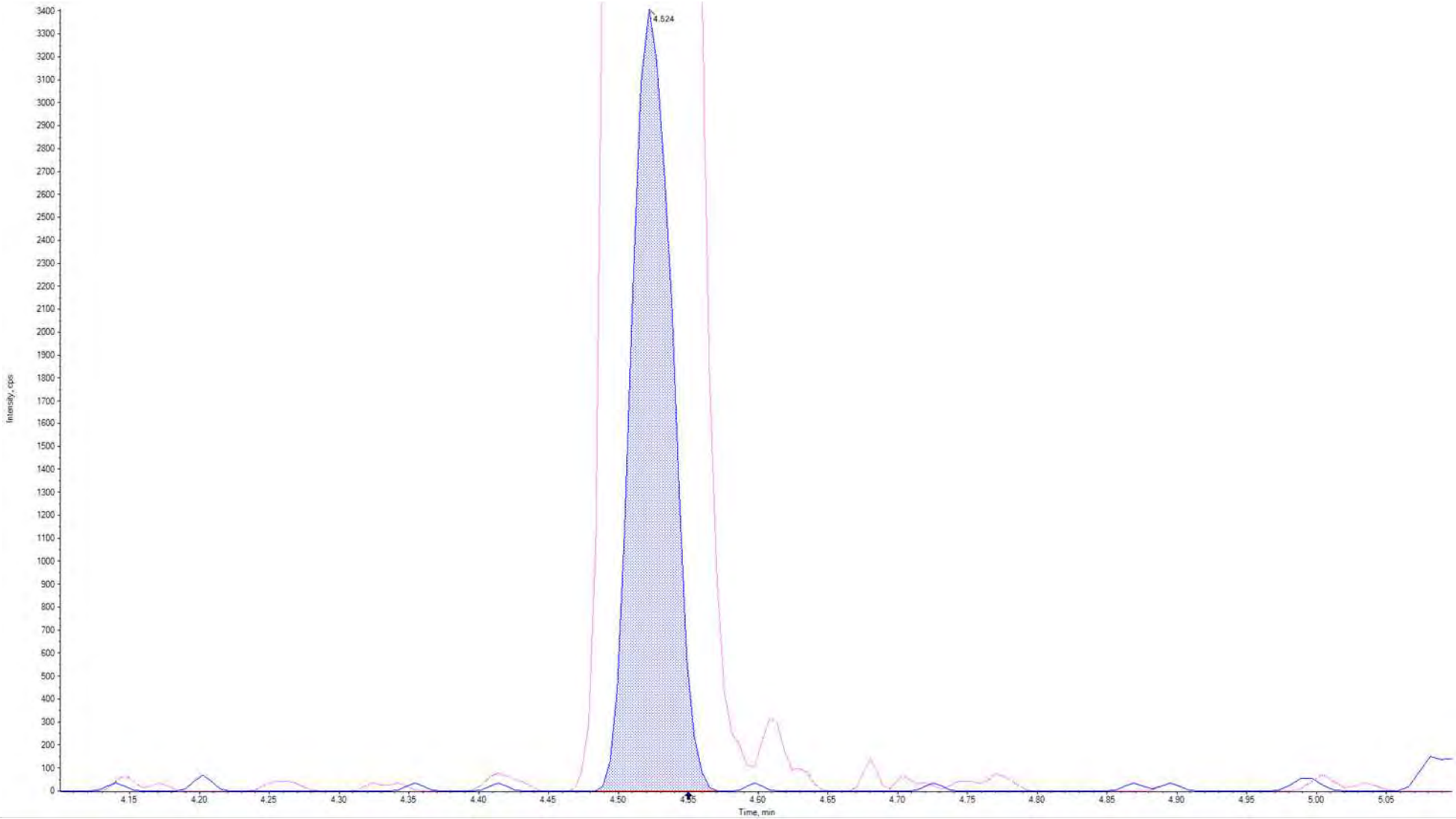
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_15.wiff2_1
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFDoA
Sample: WG2012688-1,1633LOW S/N:703.9 Points Across peak:19



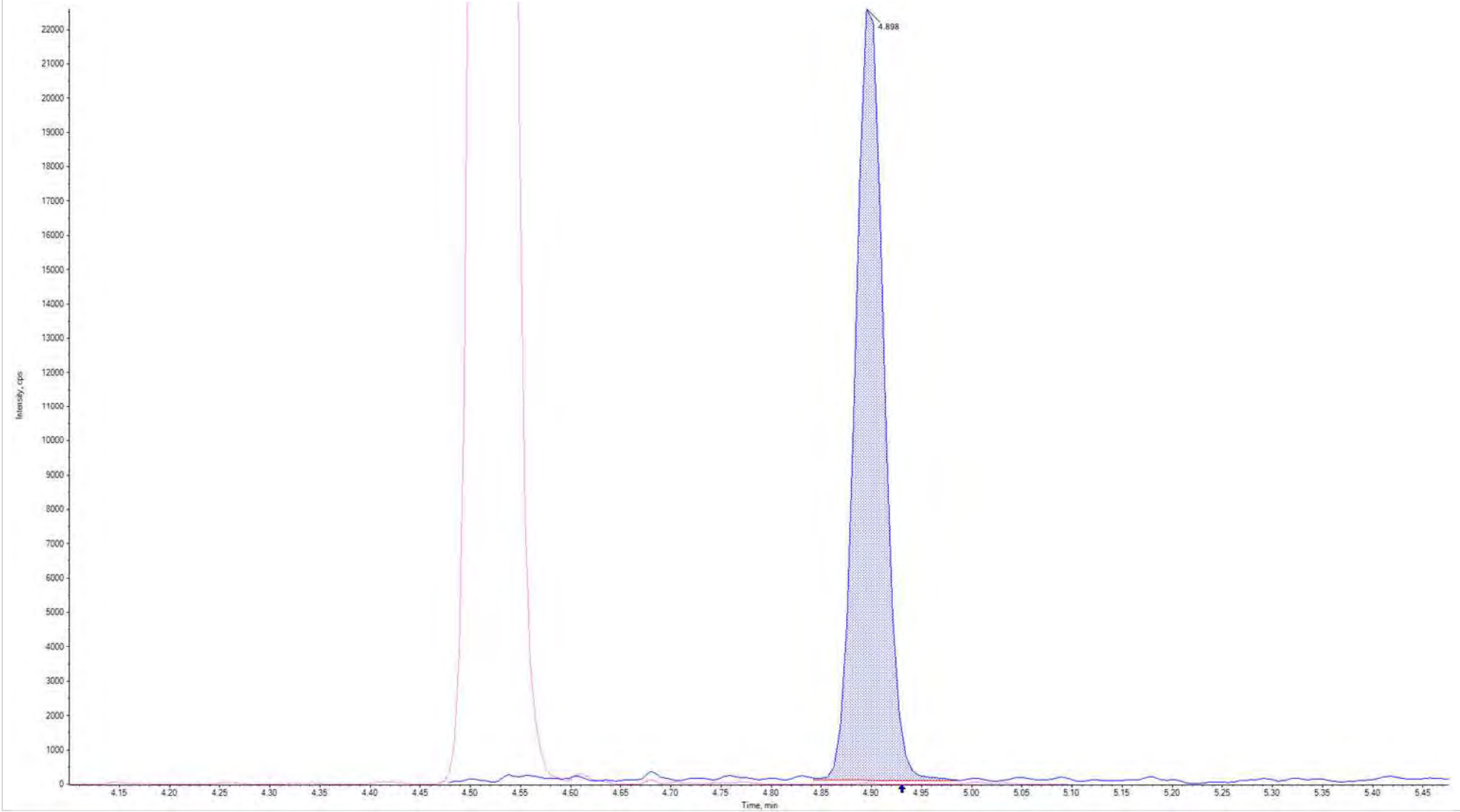
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_15.wiff2_1
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFDoA_2
Sample: WG2012688-1,1633LOW S/N:94.0 Points Across peak:23



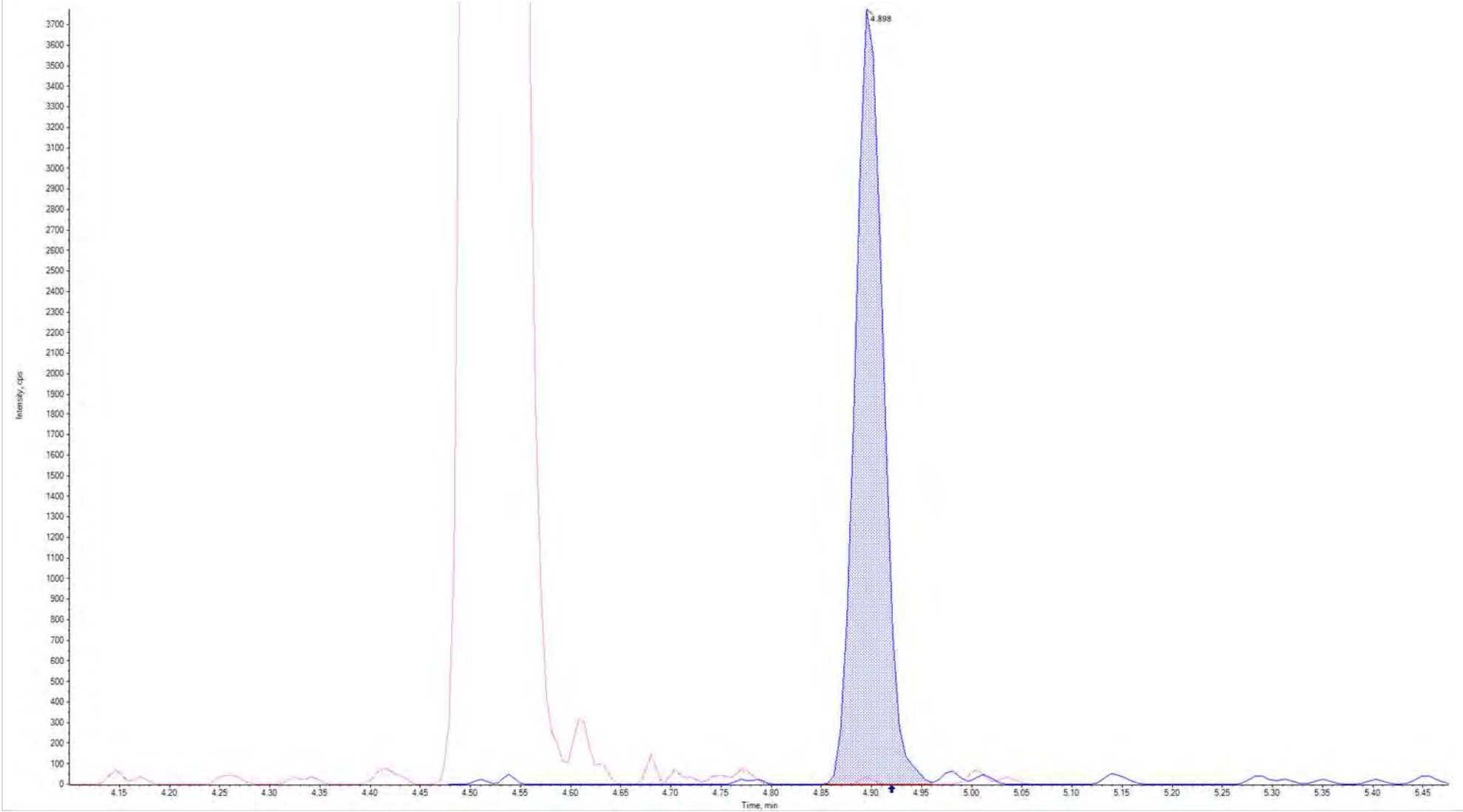
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_15.wiff2_1
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFTrDA
Sample: WG2012688-1,1633LOW S/N:901.4 Points Across peak:23



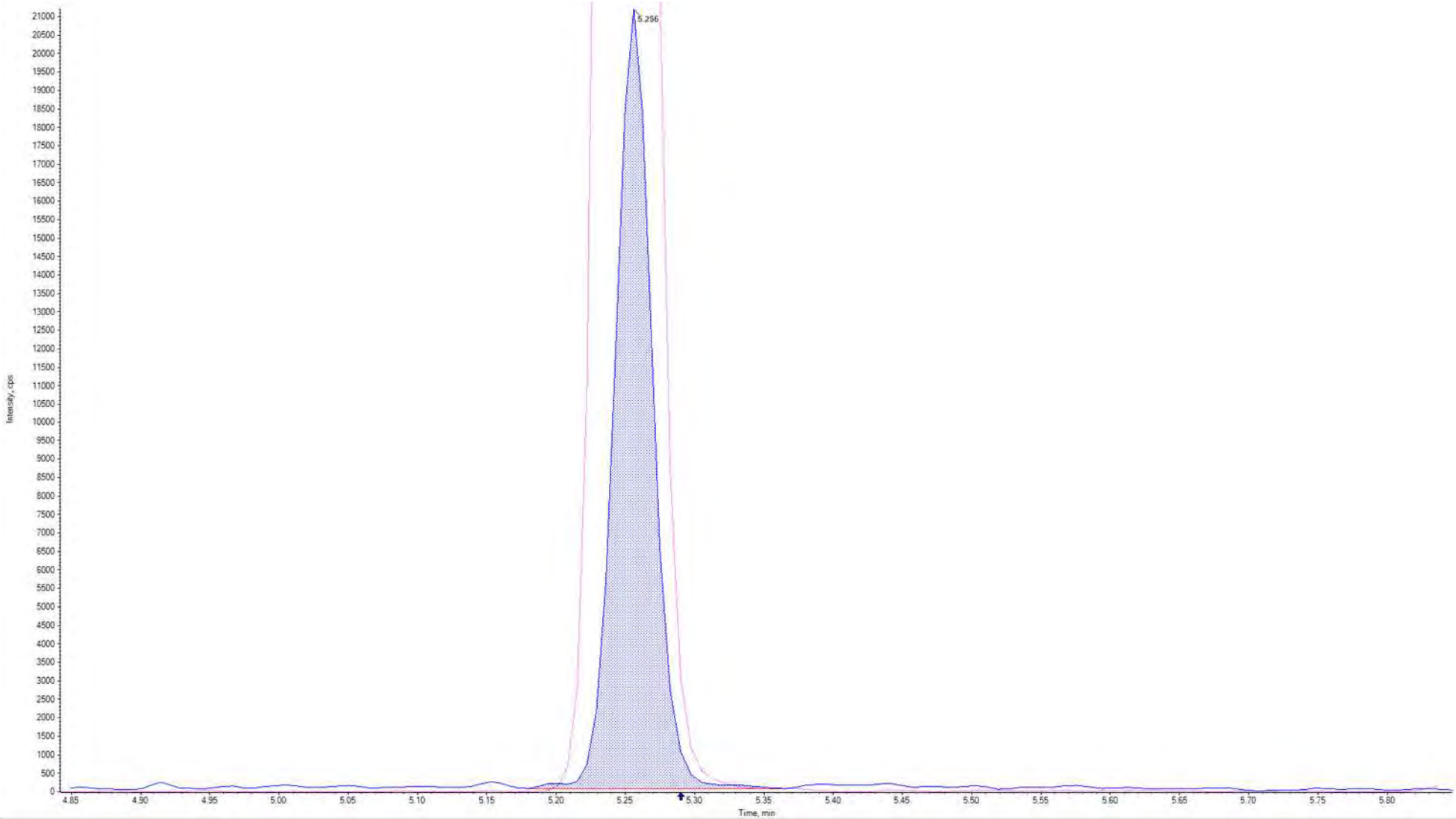
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_15.wiff2_1
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFTrDA_2
Sample: WG2012688-1,1633LOW S/N:151.4 Points Across peak:22



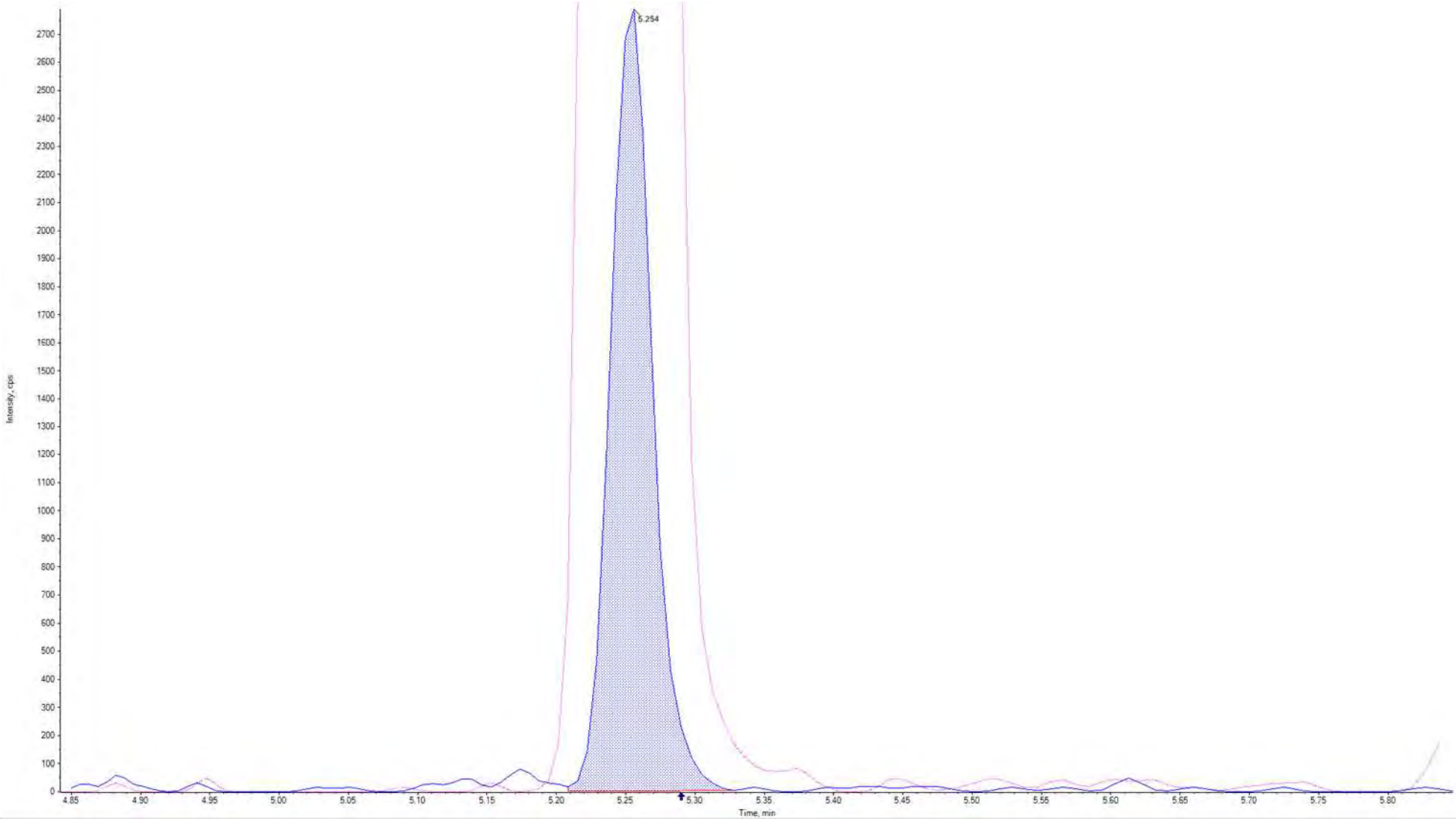
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_15.wiff2_1
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFTeDA
Sample: WG2012688-1,1633LOW S/N:853.0 Points Across peak:27



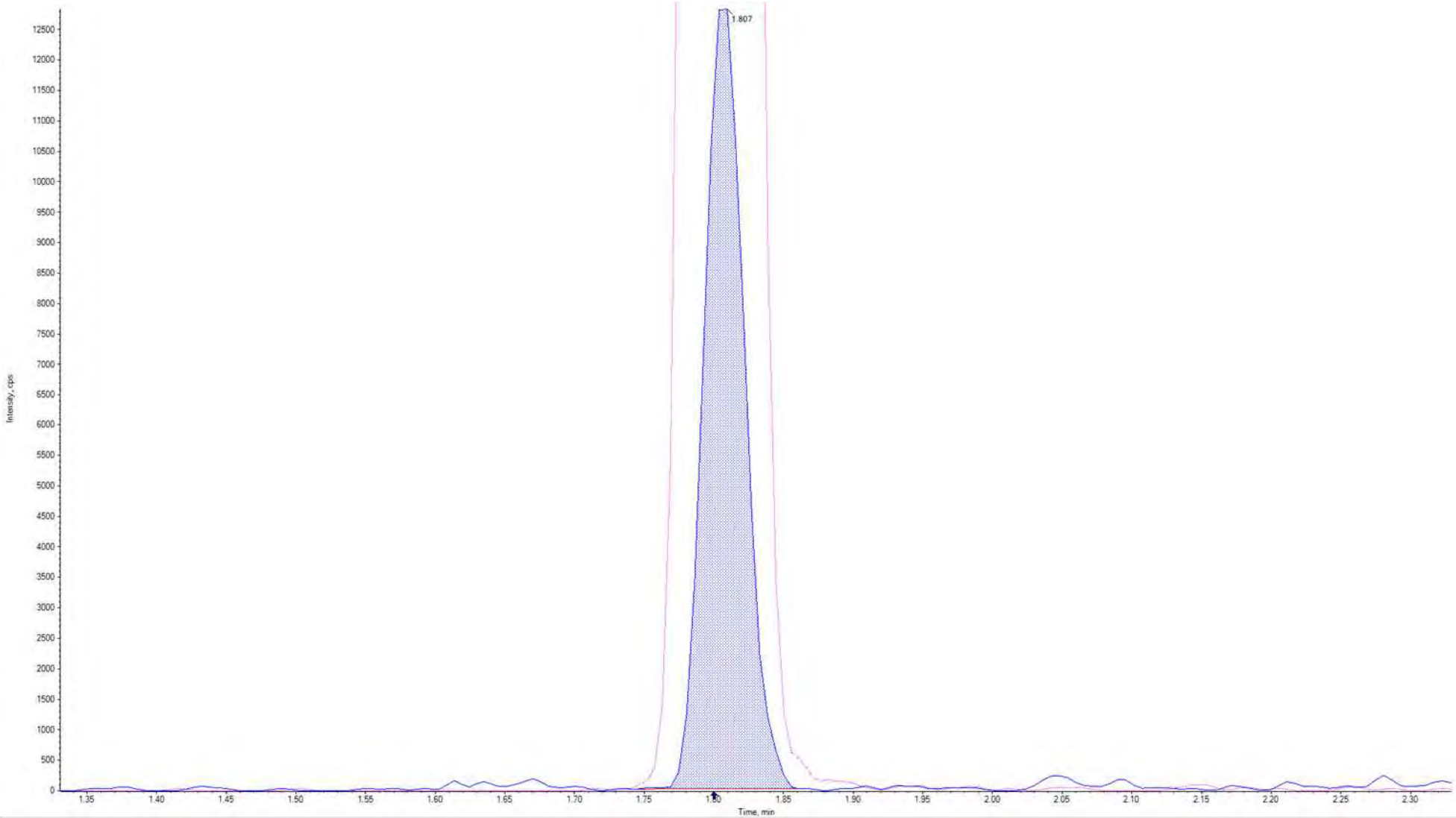
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_15.wiff2_1
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFTeDA_2
Sample: WG2012688-1,1633LOW S/N:174.6 Points Across peak:18



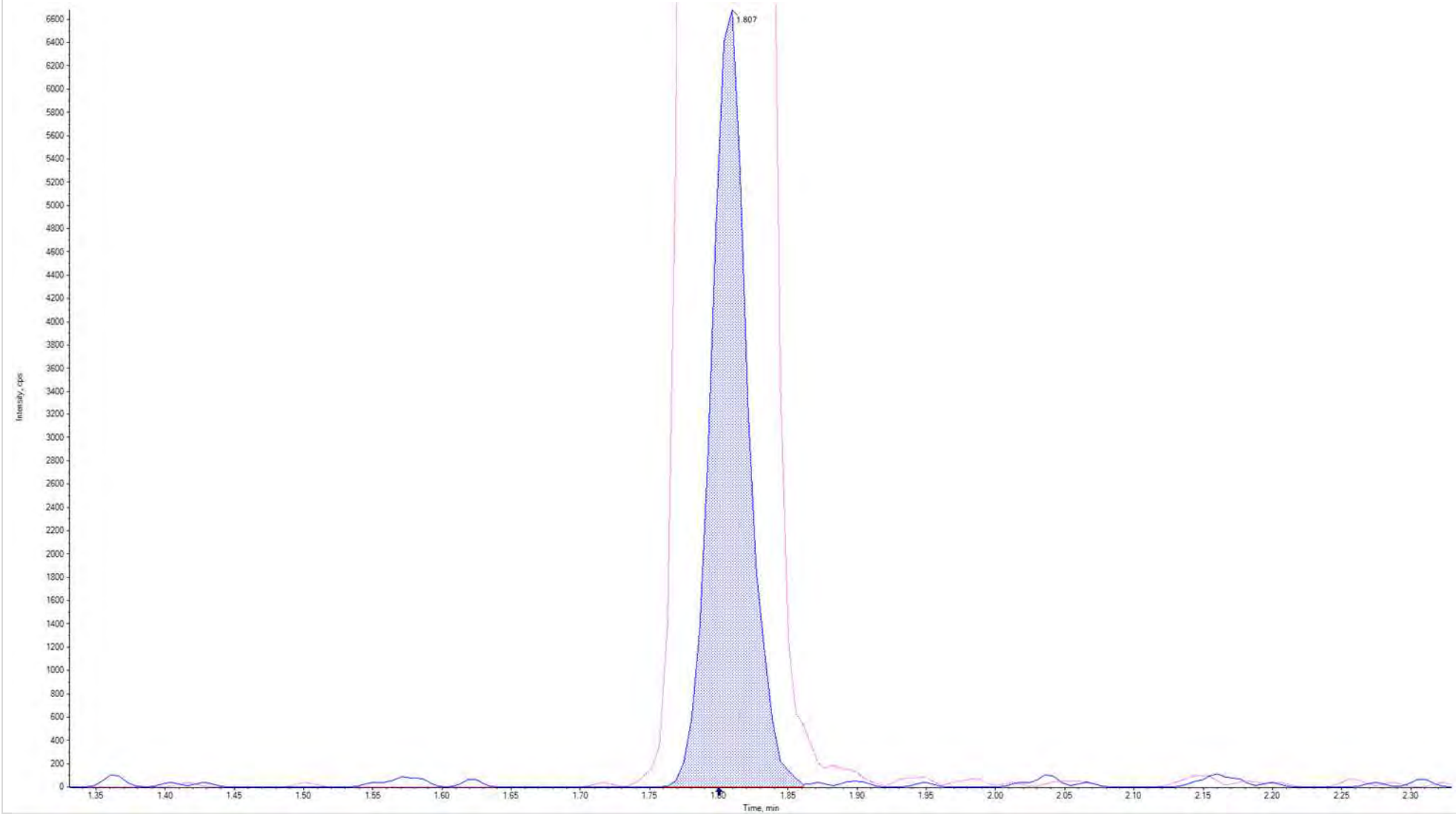
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_15.wiff2_1
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFBS
Sample: WG2012688-1,1633LOW S/N:320.9 Points Across peak:22



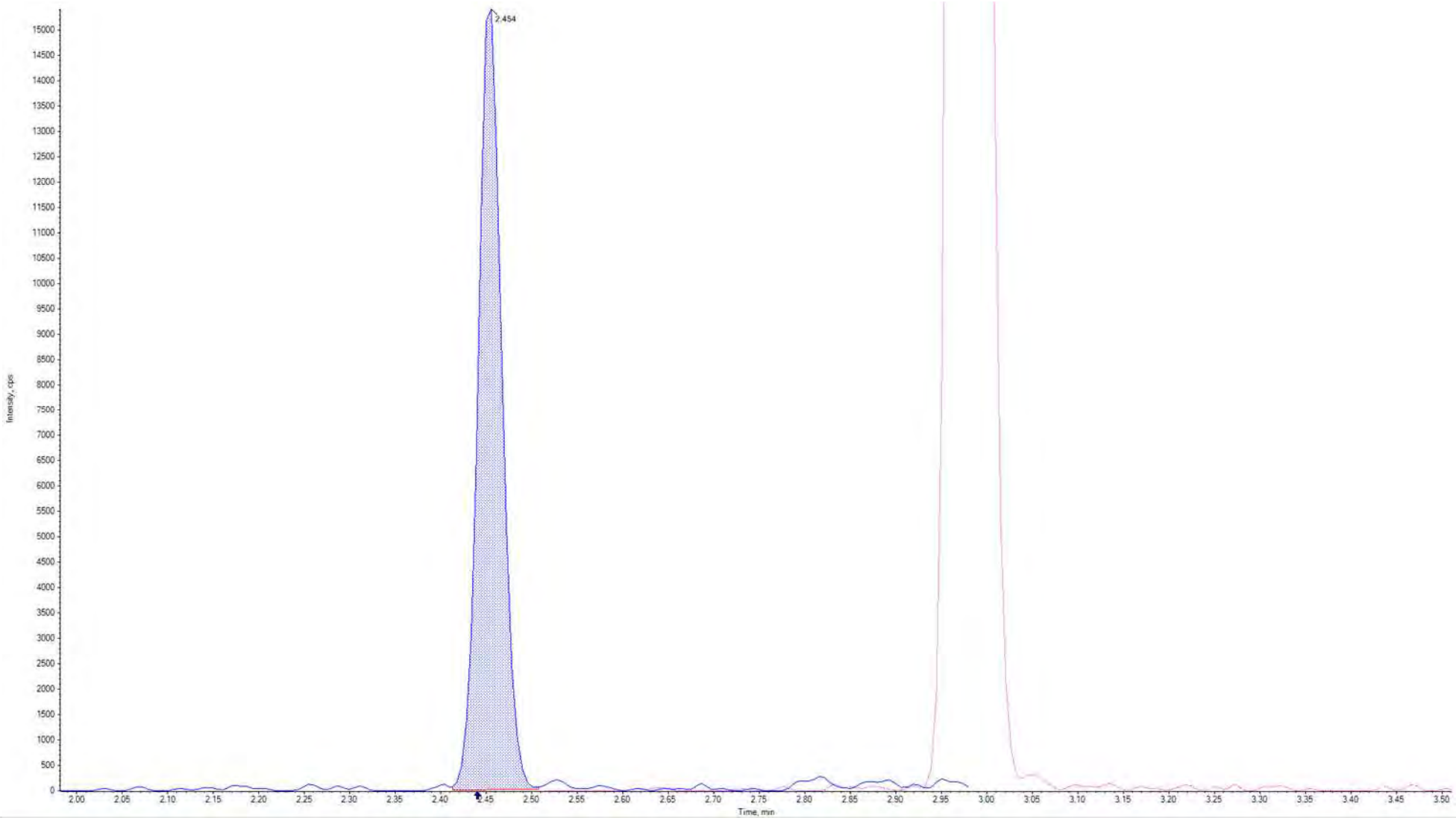
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_15.wiff2_1
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFBS_2
Sample: WG2012688-1,1633LOW S/N:167.5 Points Across peak:21



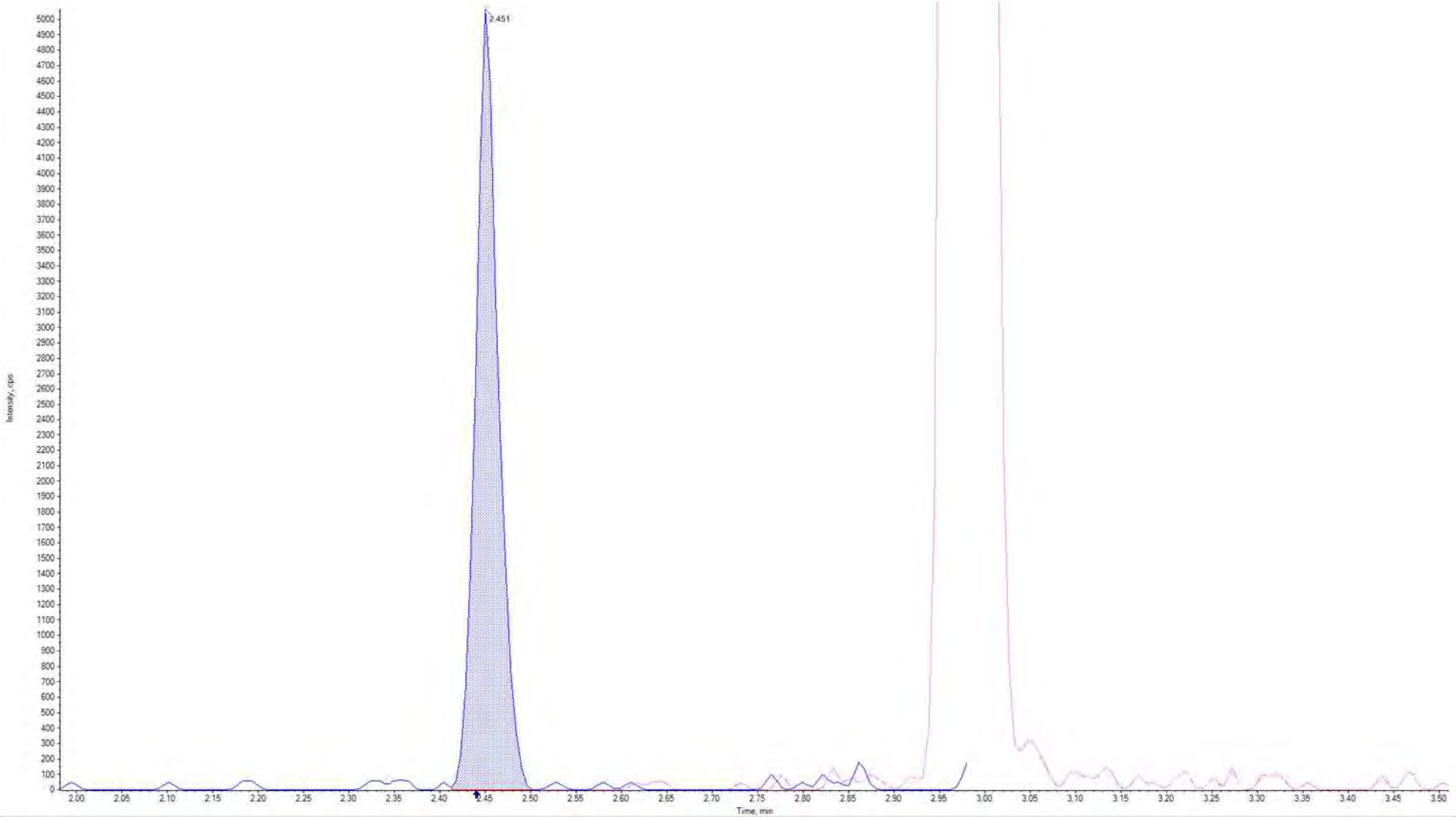
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_15.wiff2_1
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFPeS
Sample: WG2012688-1,1633LOW S/N:308.6 Points Across peak:18



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_15.wiff2_1
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFPeS_2
Sample: WG2012688-1,1633LOW S/N:101.6 Points Across peak:18



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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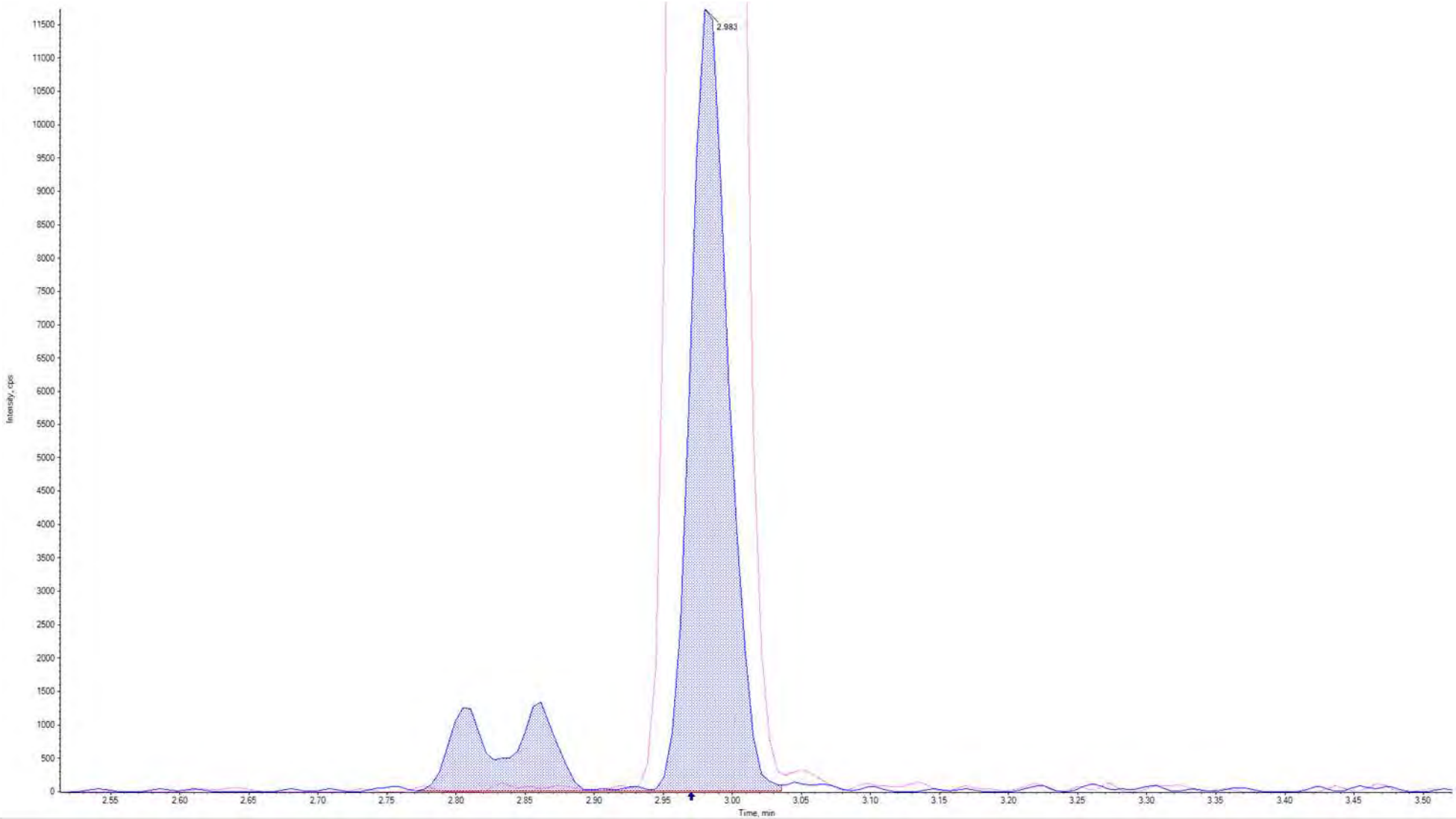
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFHxS
Sample: WG2012688-1,1633LOW S/N:264.5 Points Across peak:46



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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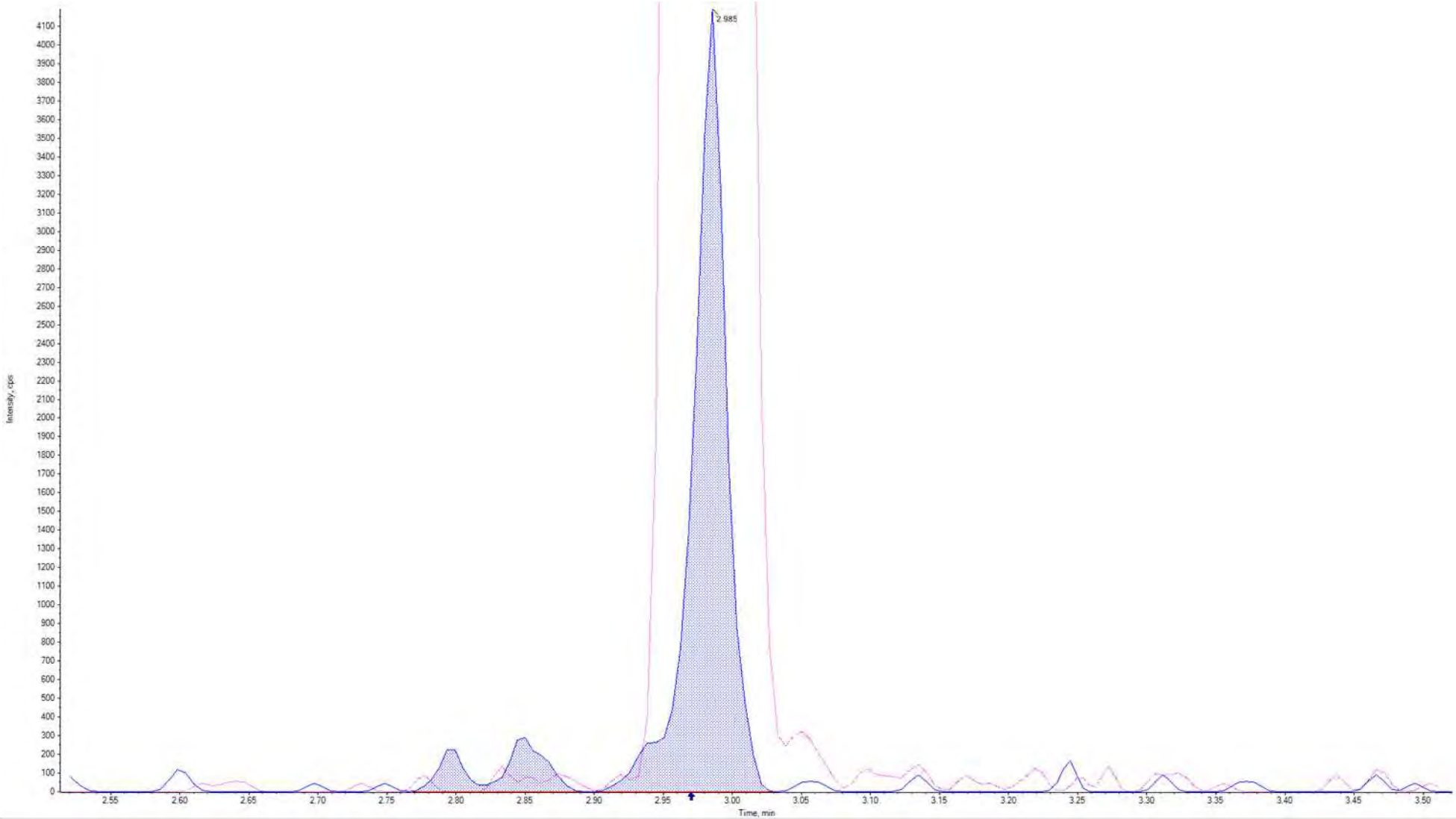
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFHxS_2
Sample: WG2012688-1,1633LOW S/N:94.6 Points Across peak:47



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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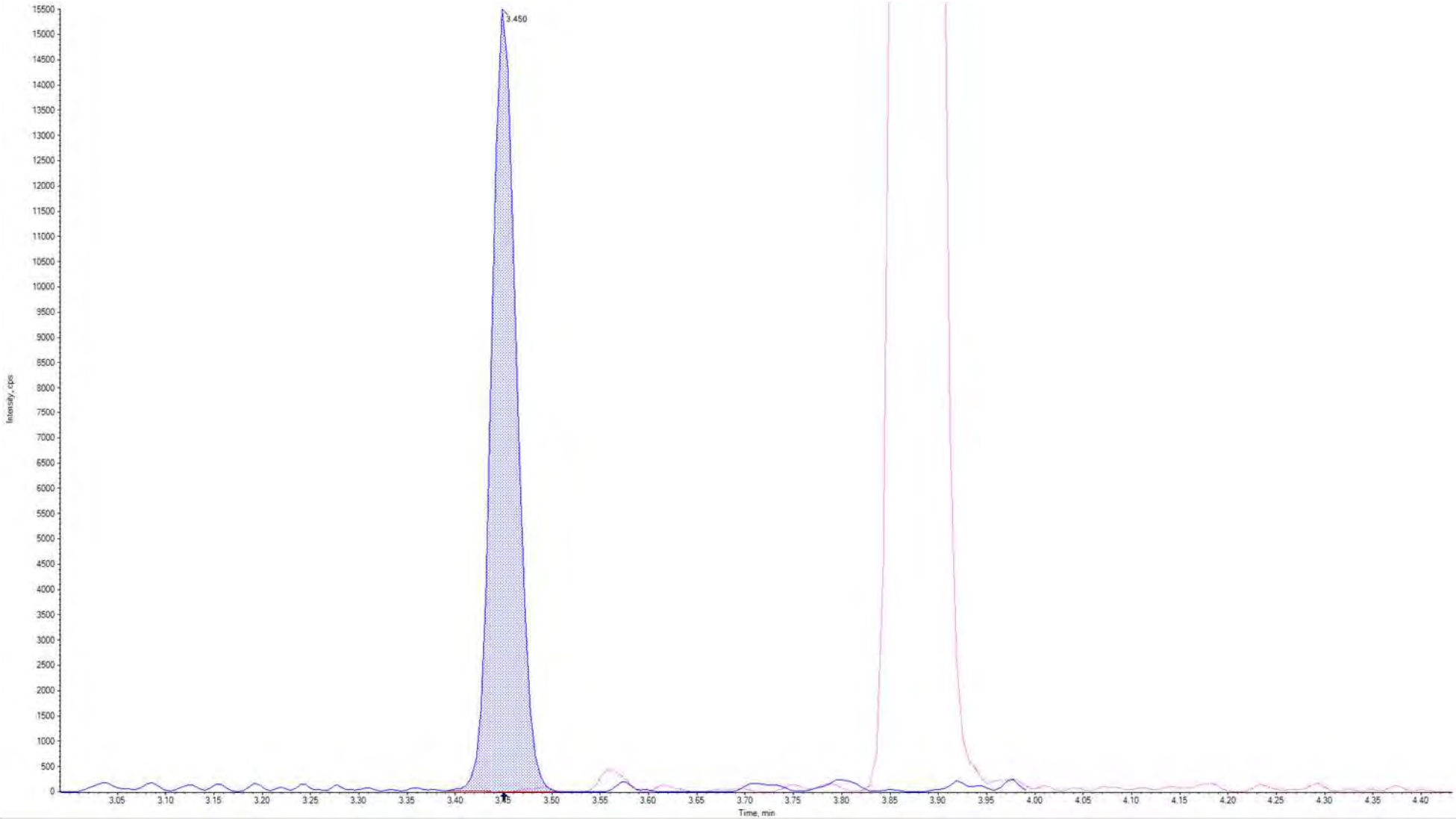
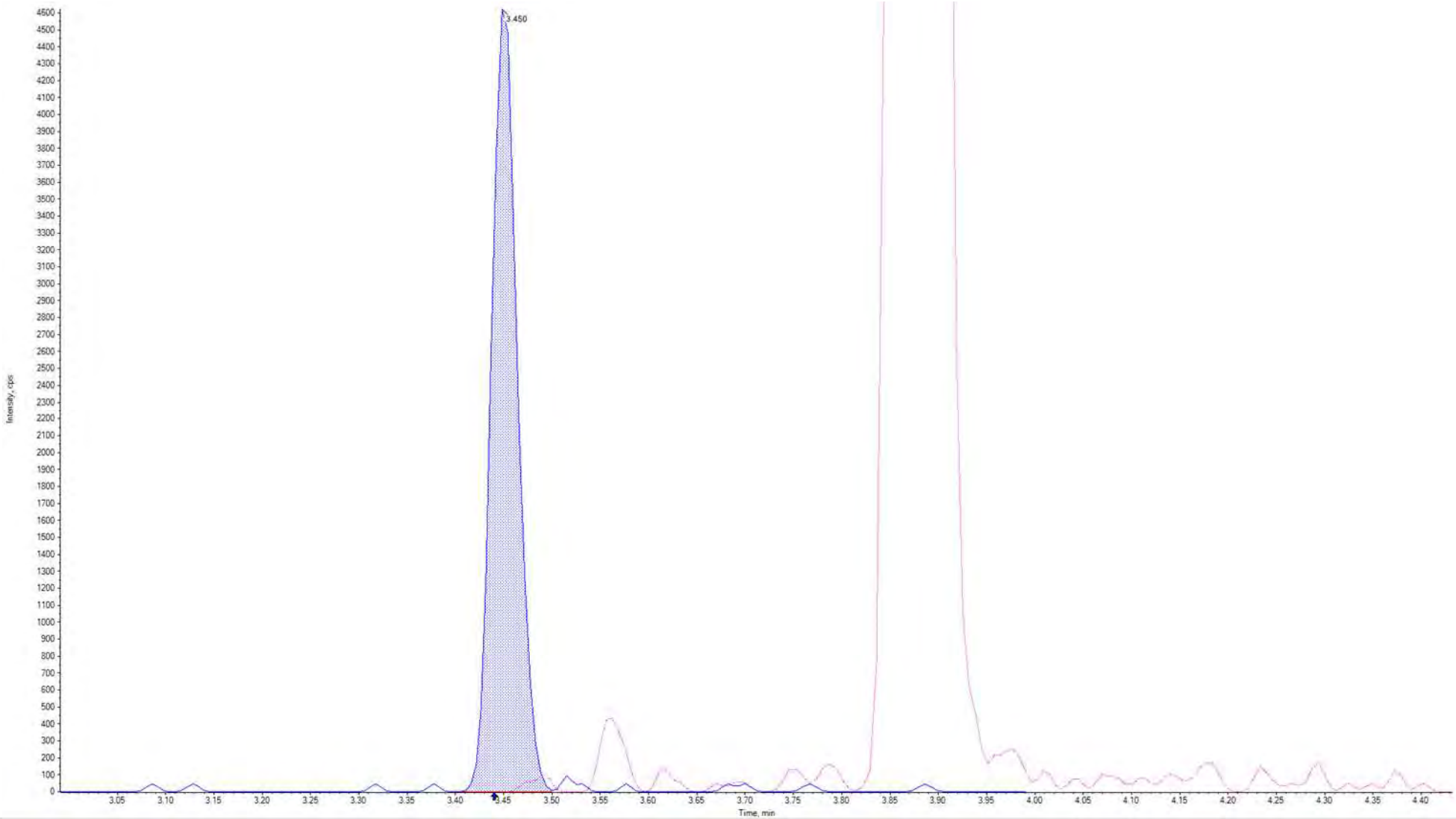
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFHpS
Sample: WG2012688-1,1633LOW S/N:310.8 Points Across peak:24



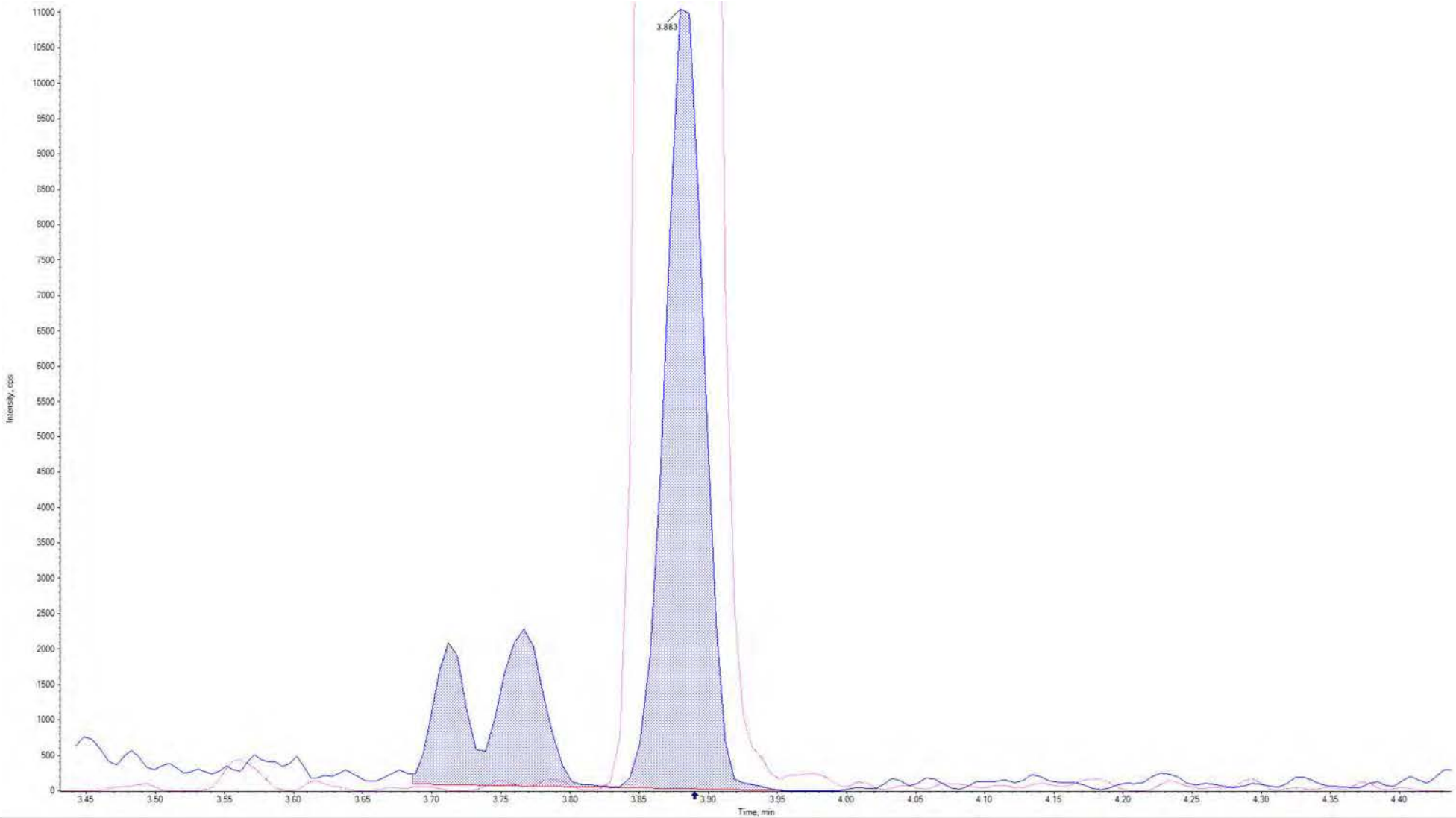
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_15.wiff2_1
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFHpS_2
Sample: WG2012688-1,1633LOW S/N:92.7 Points Across peak:19



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_15.wiff2_1
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFOS
Sample: WG2012688-1,1633LOW S/N:123.0 Points Across peak:42



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/24/2024 7:52:08 AM
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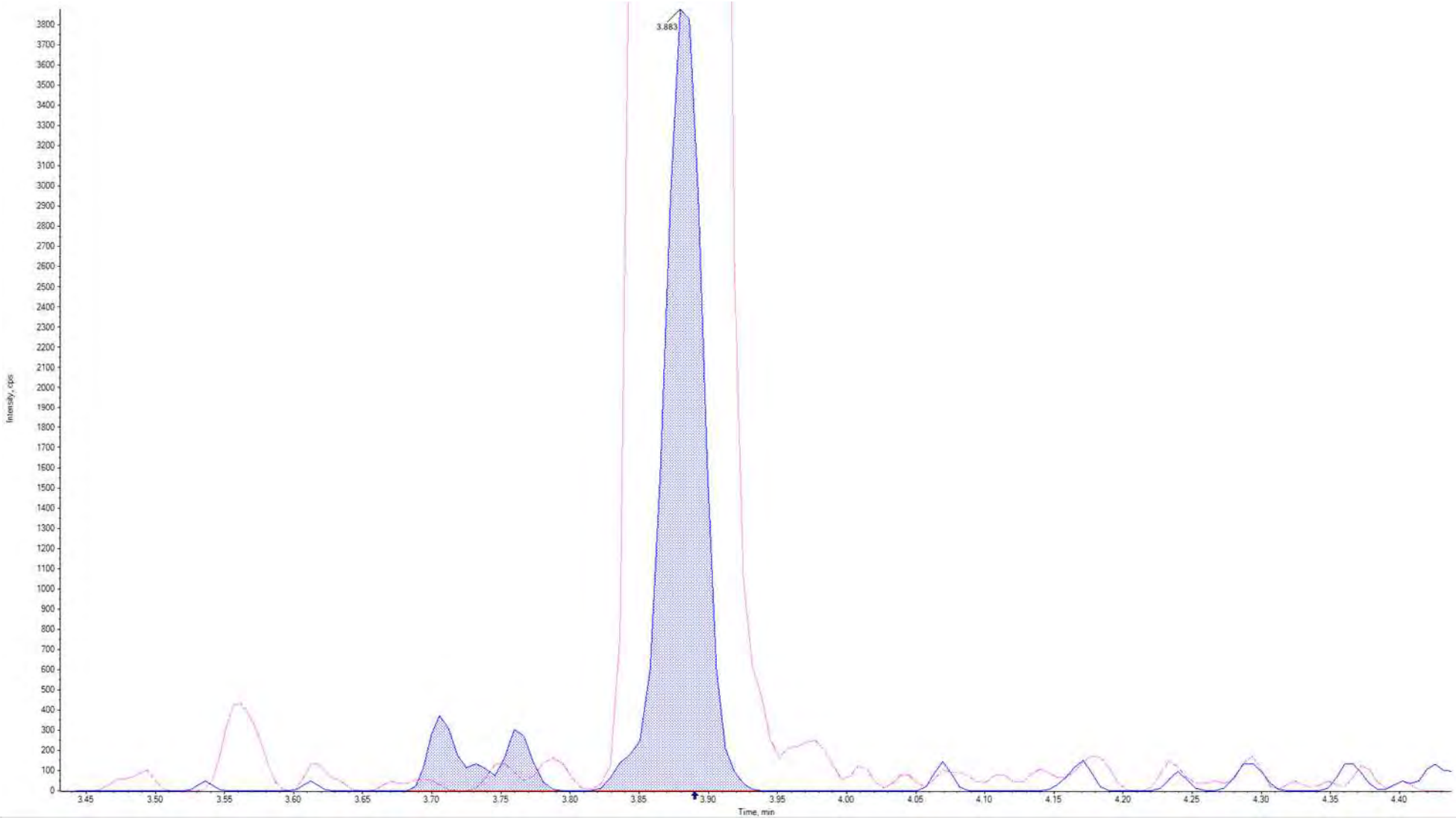
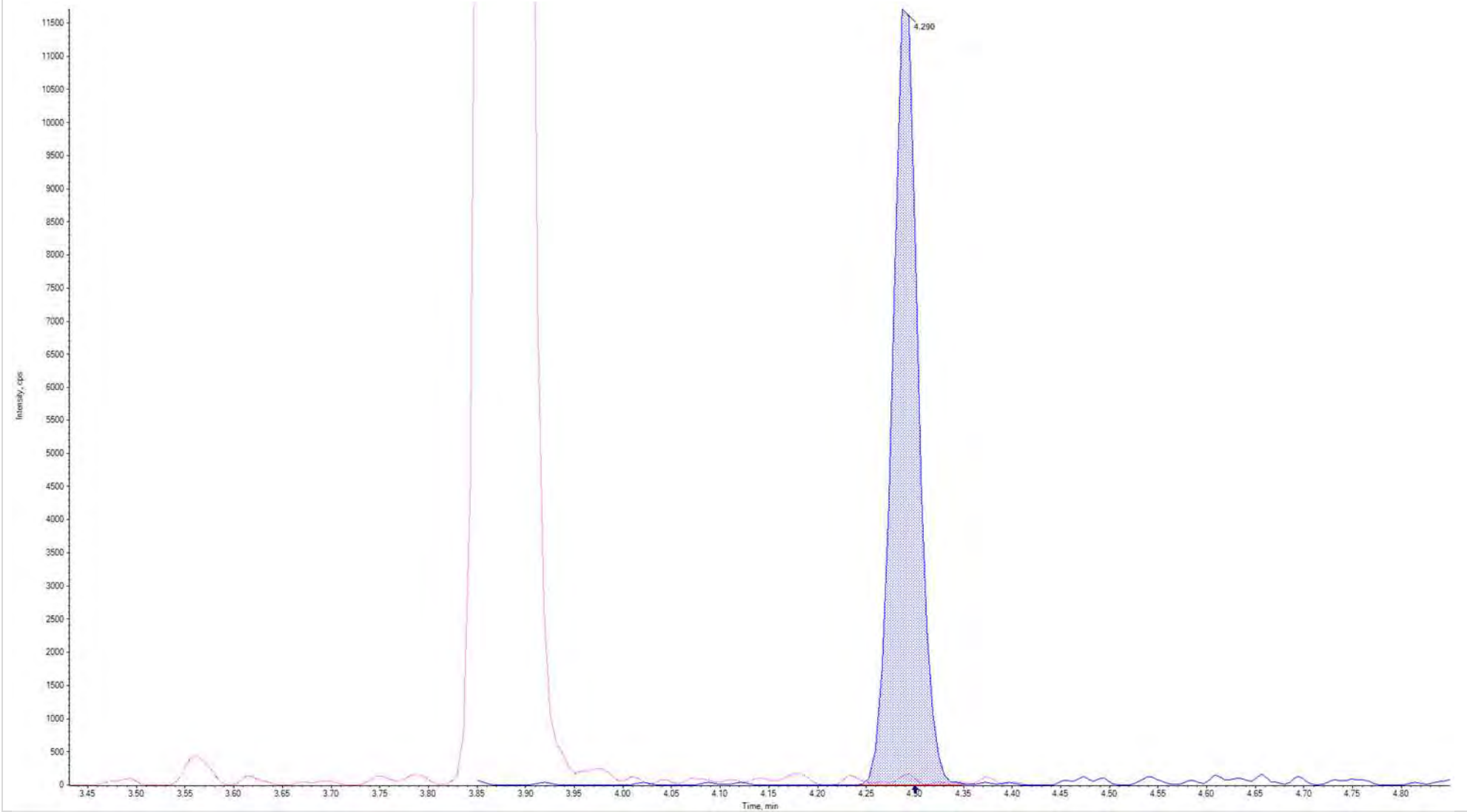
PFOS_2
Sample: WG2012688-1,1633LOW S/N:77.7 Points Across peak:40



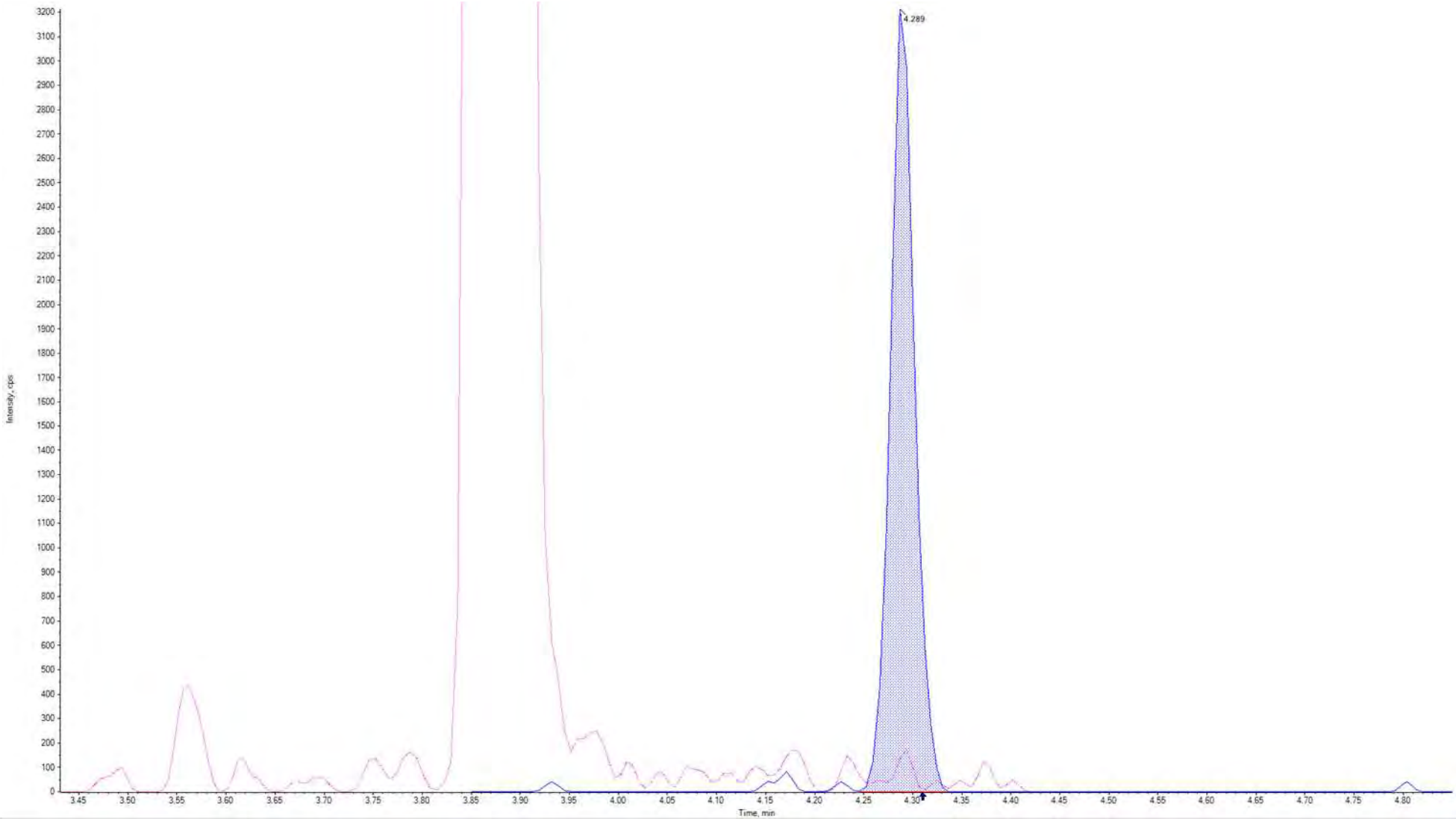
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_15.wiff2_1
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFNS
Sample: WG2012688-1,1633LOW S/N:293.5 Points Across peak:21



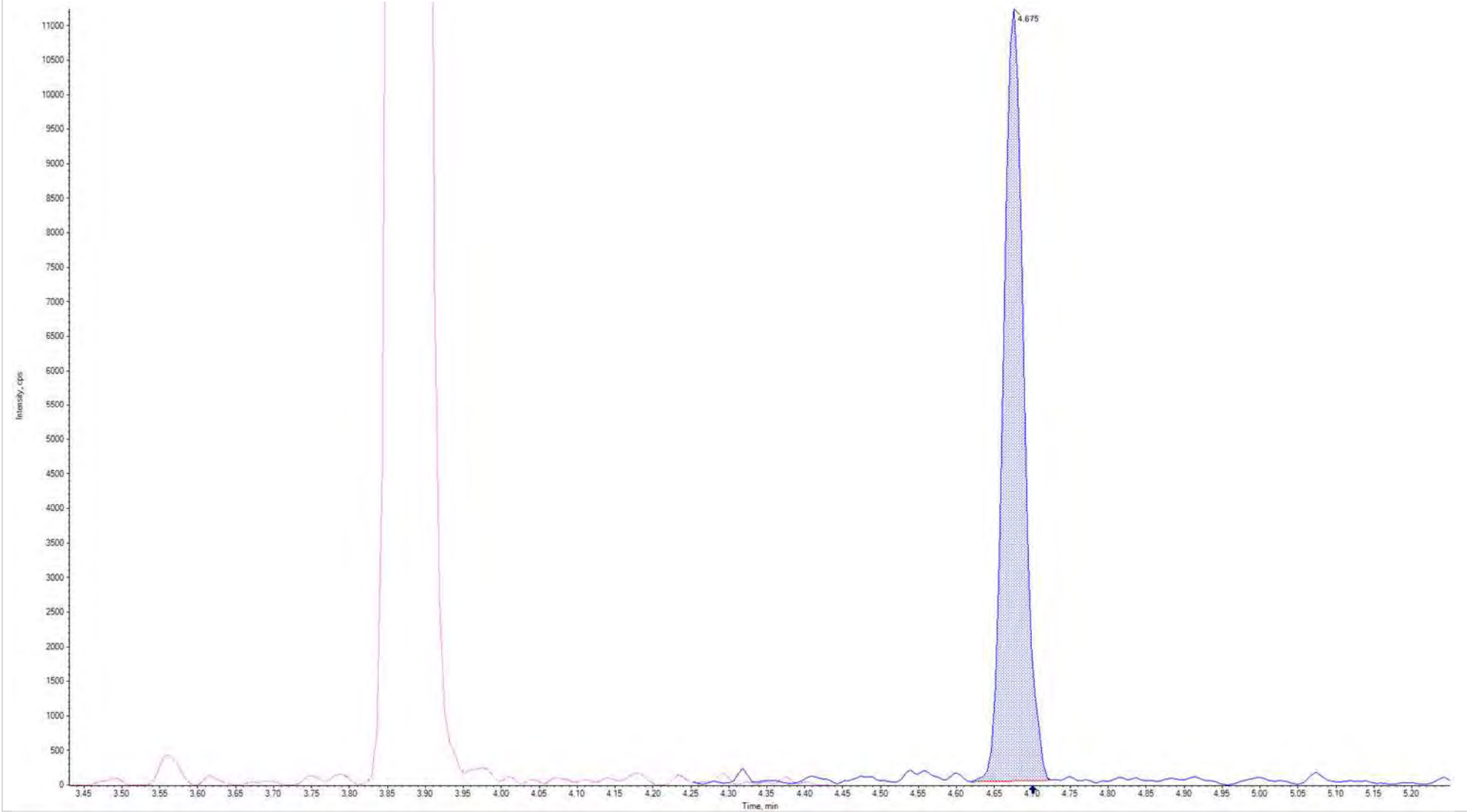
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_15.wiff2_1
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFNS_2
Sample: WG2012688-1,1633LOW S/N:80.5 Points Across peak:17



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_15.wiff2_1
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFDS
Sample: WG2012688-1,1633LOW S/N:392.3 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_15.wiff2_1
Last Altered: 12/24/2024 7:52:08 AM
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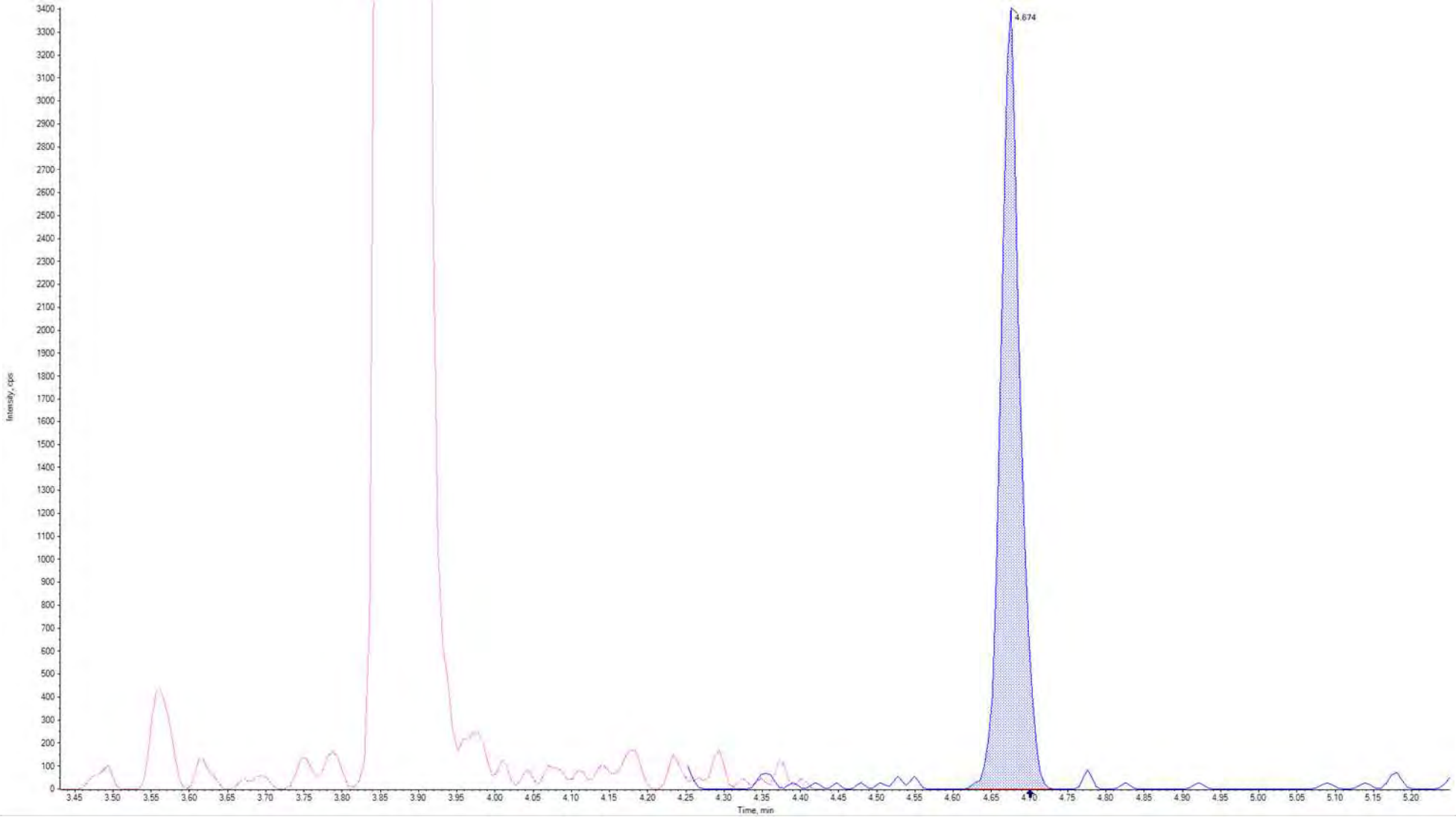
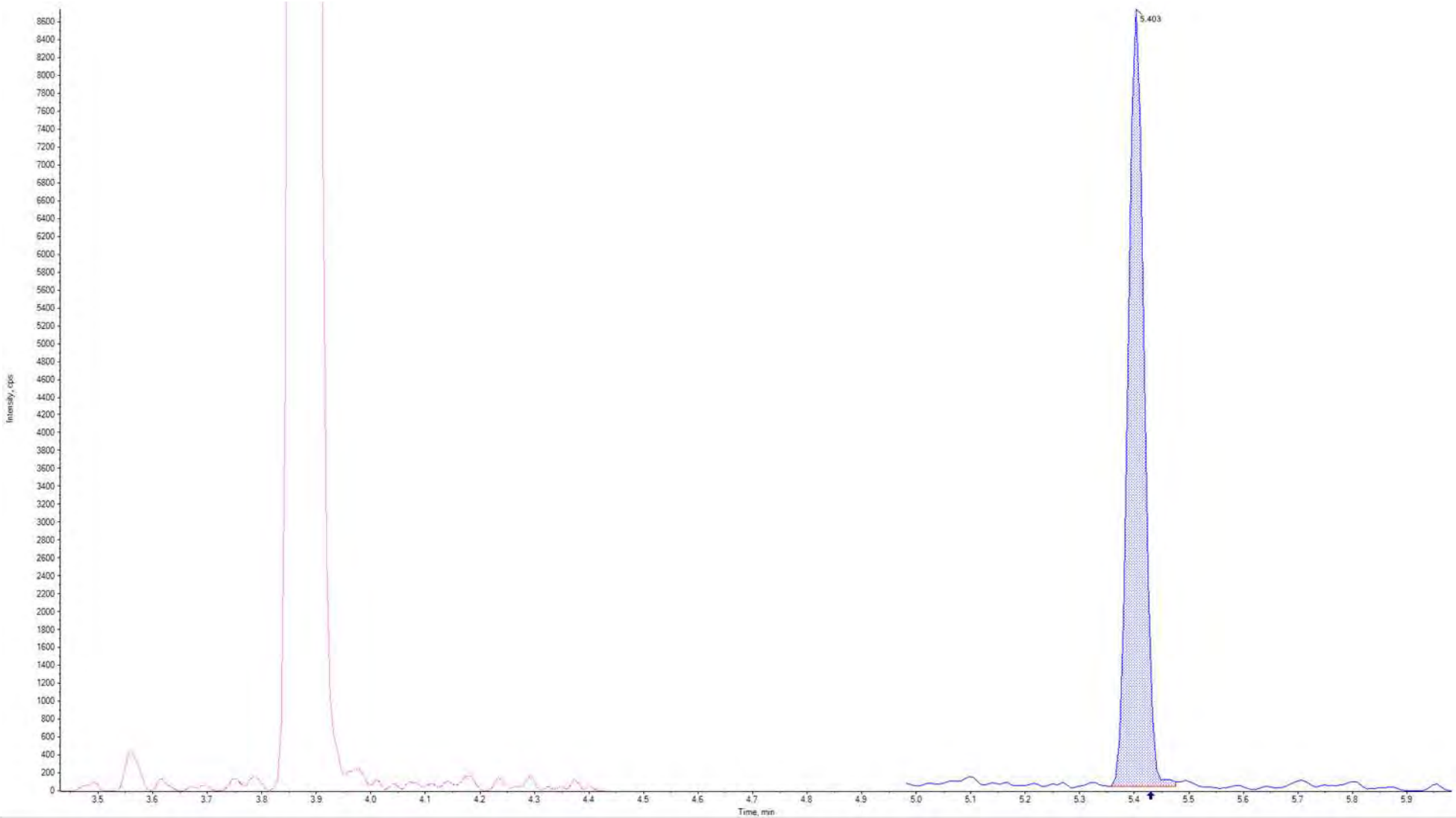
PFDS_2
Sample: WG2012688-1,1633LOW S/N:119.5 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_15.wiff2_1
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFDoS
Sample: WG2012688-1,1633LOW S/N:675.4 Points Across peak:16



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_15.wiff2_1
Last Altered: 12/24/2024 7:52:08 AM
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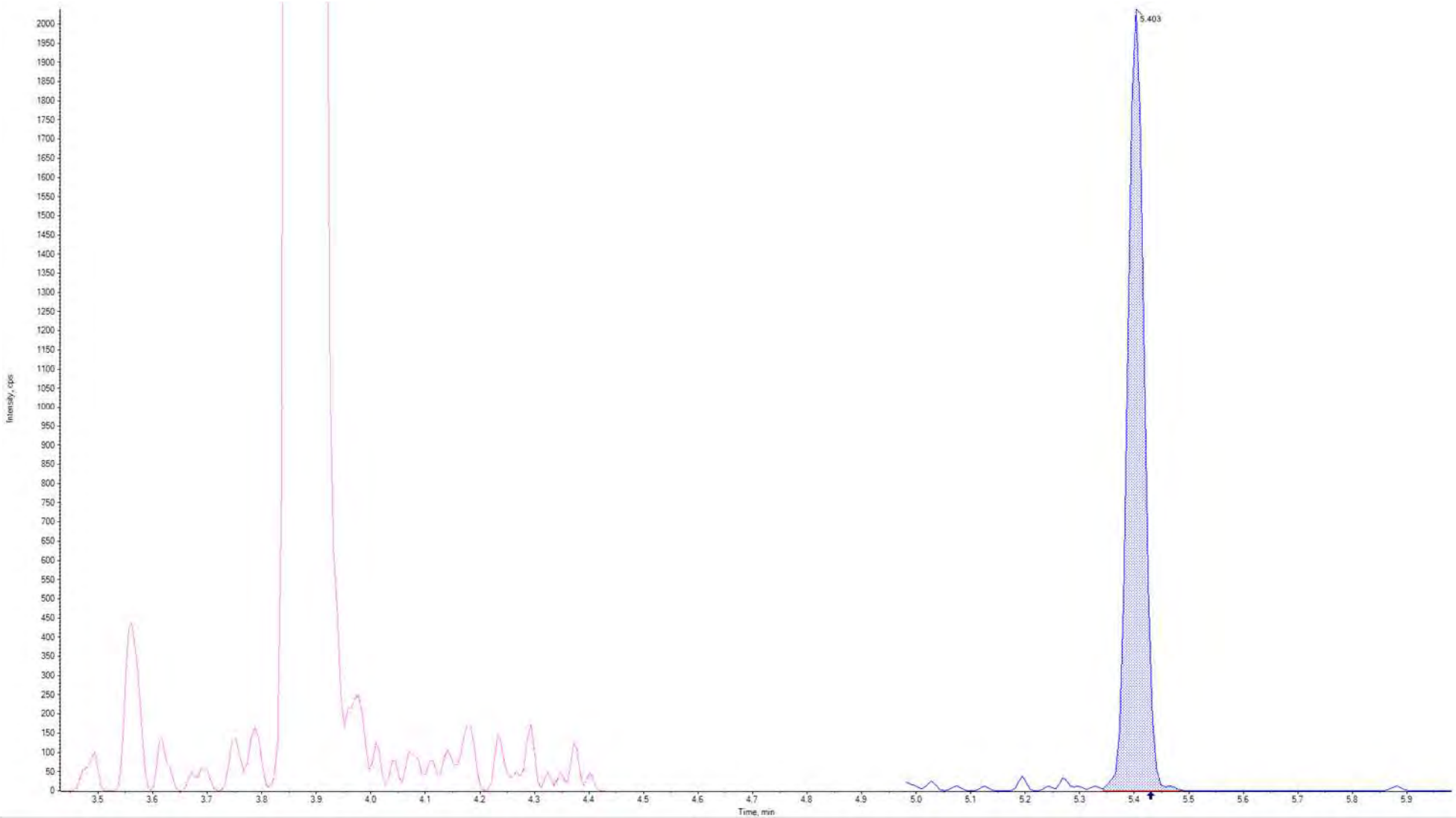
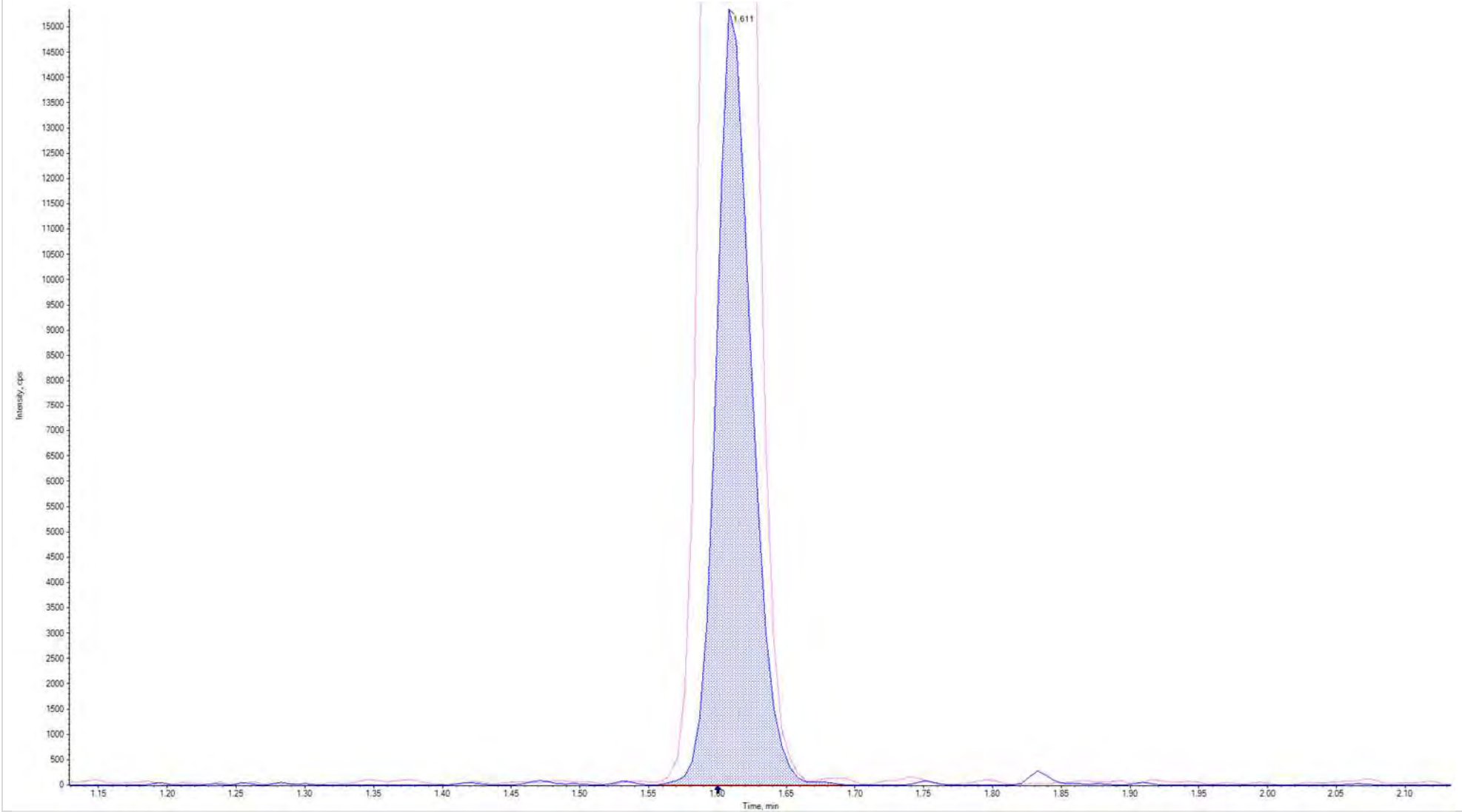
PFDoS_2
Sample: WG2012688-1,1633LOW S/N:158.4 Points Across peak:23



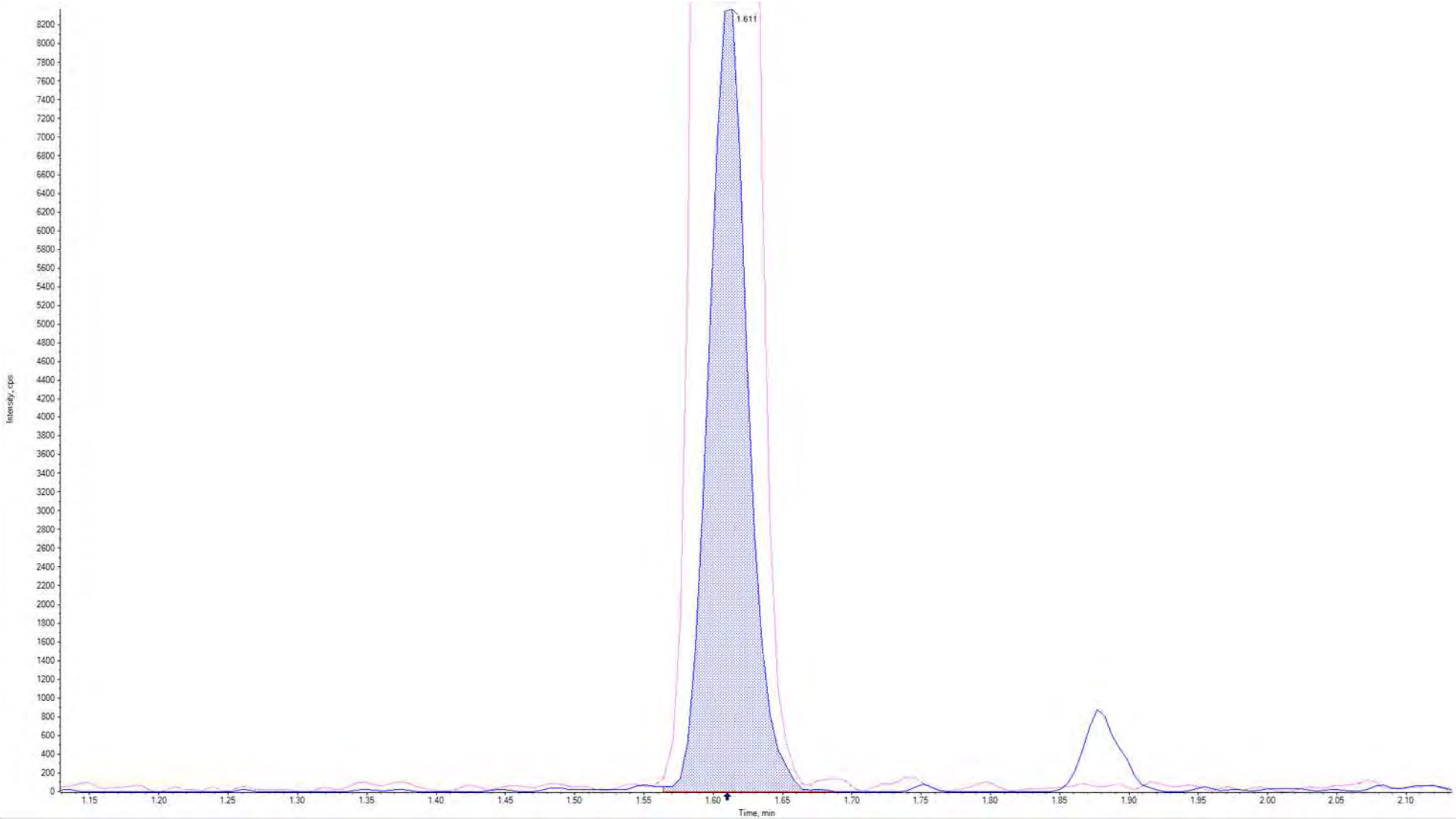
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_15.wiff2_1
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

4:2FTS
Sample: WG2012688-1,1633LOW S/N:577.2 Points Across peak:28



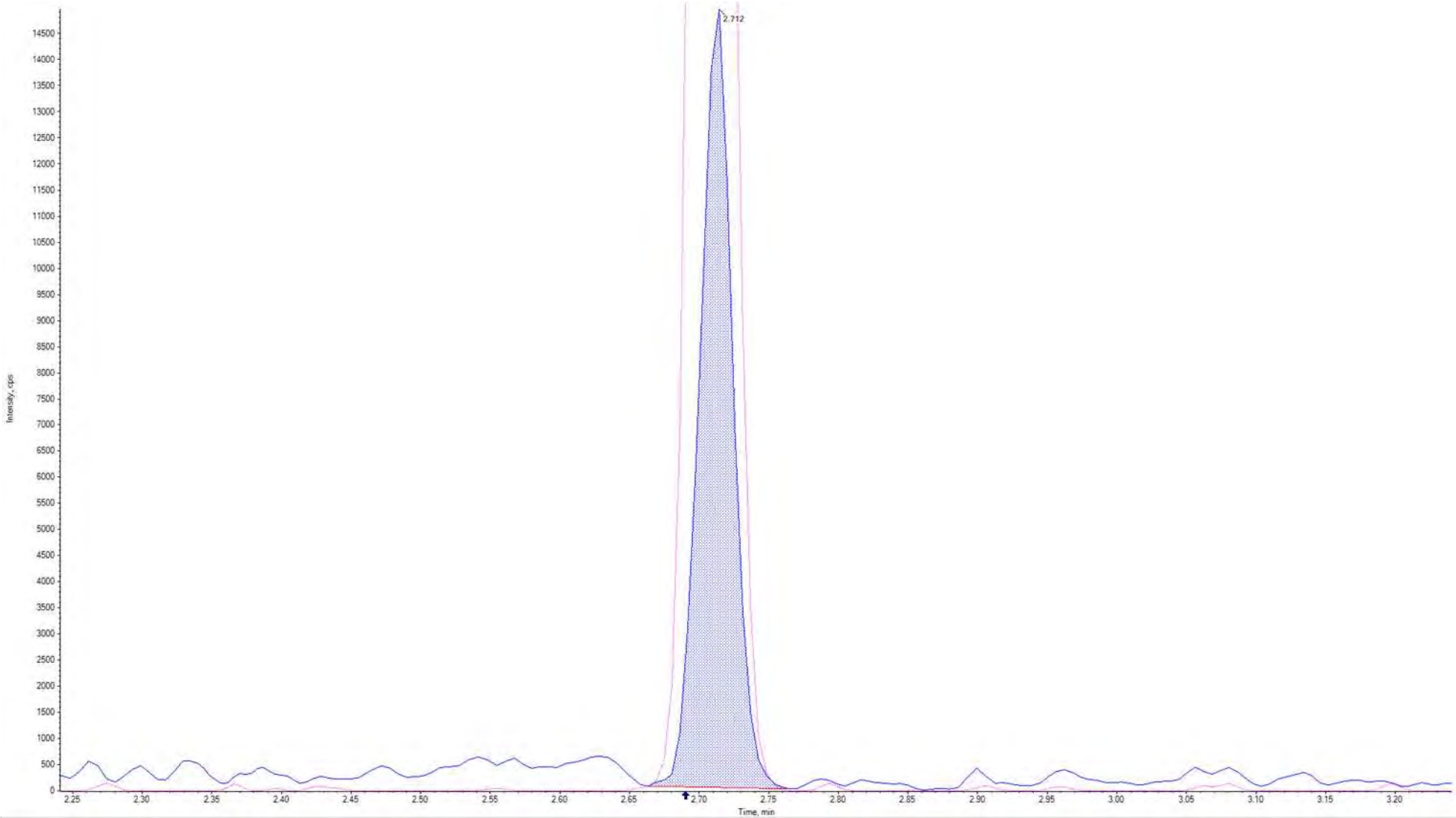
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_15.wiff2_1
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

4:2FTS_2
Sample: WG2012688-1,1633LOW S/N:314.7 Points Across peak:25



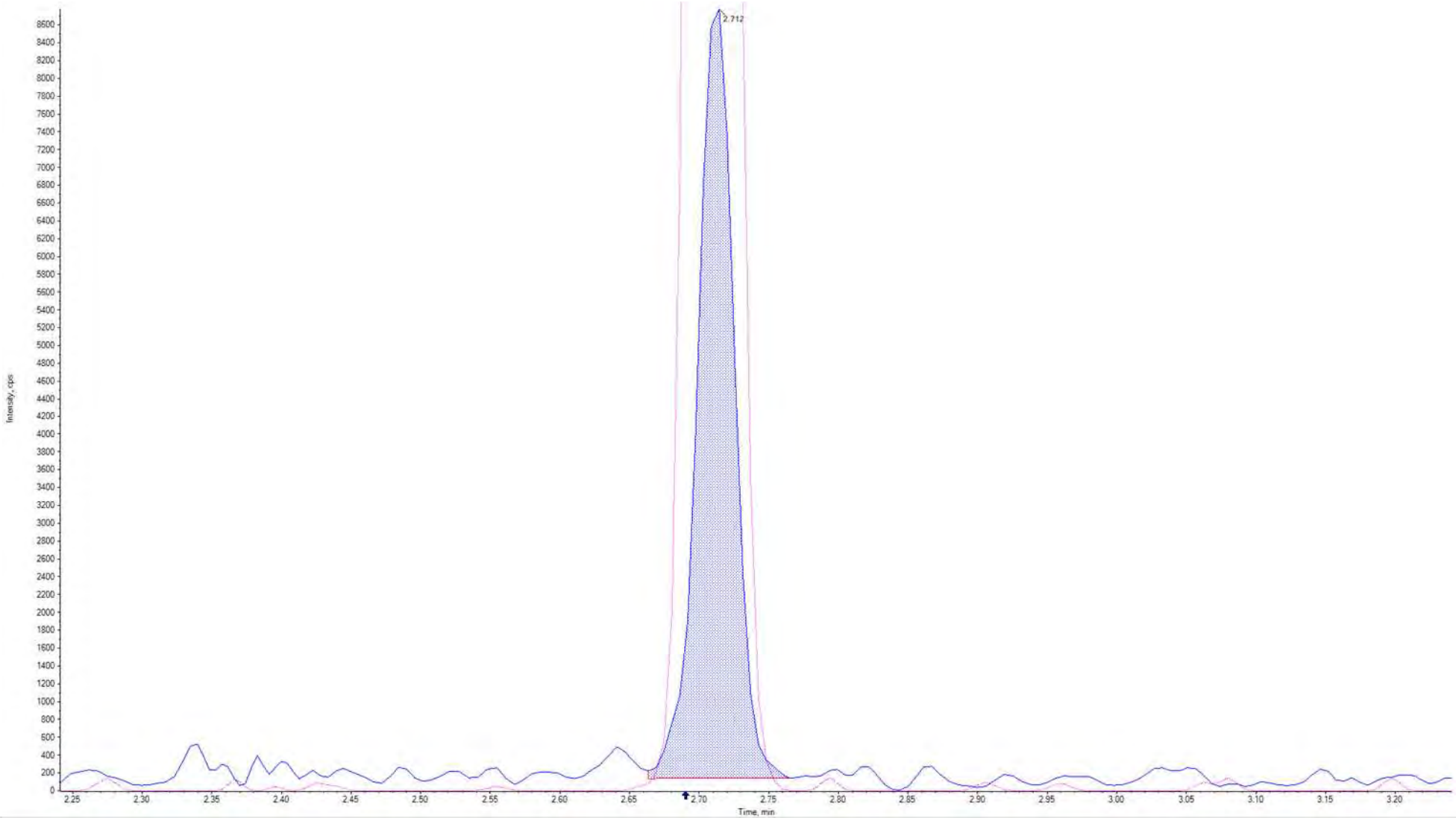
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_15.wiff2_1
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

6:2FTS
Sample: WG2012688-1,1633LOW S/N:298.7 Points Across peak:19



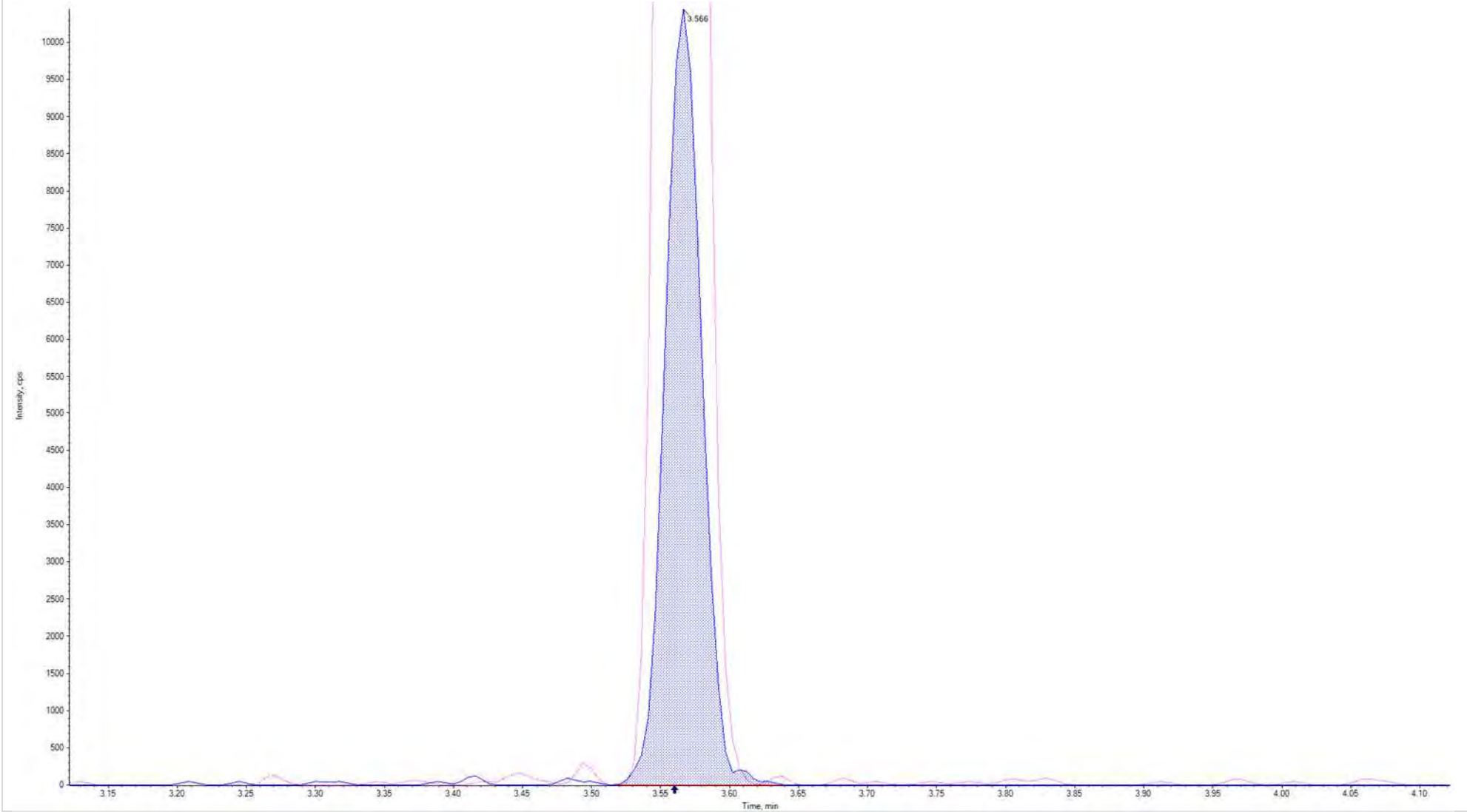
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_15.wiff2_1
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

6:2FTS_2
Sample: WG2012688-1,1633LOW S/N:173.2 Points Across peak:19



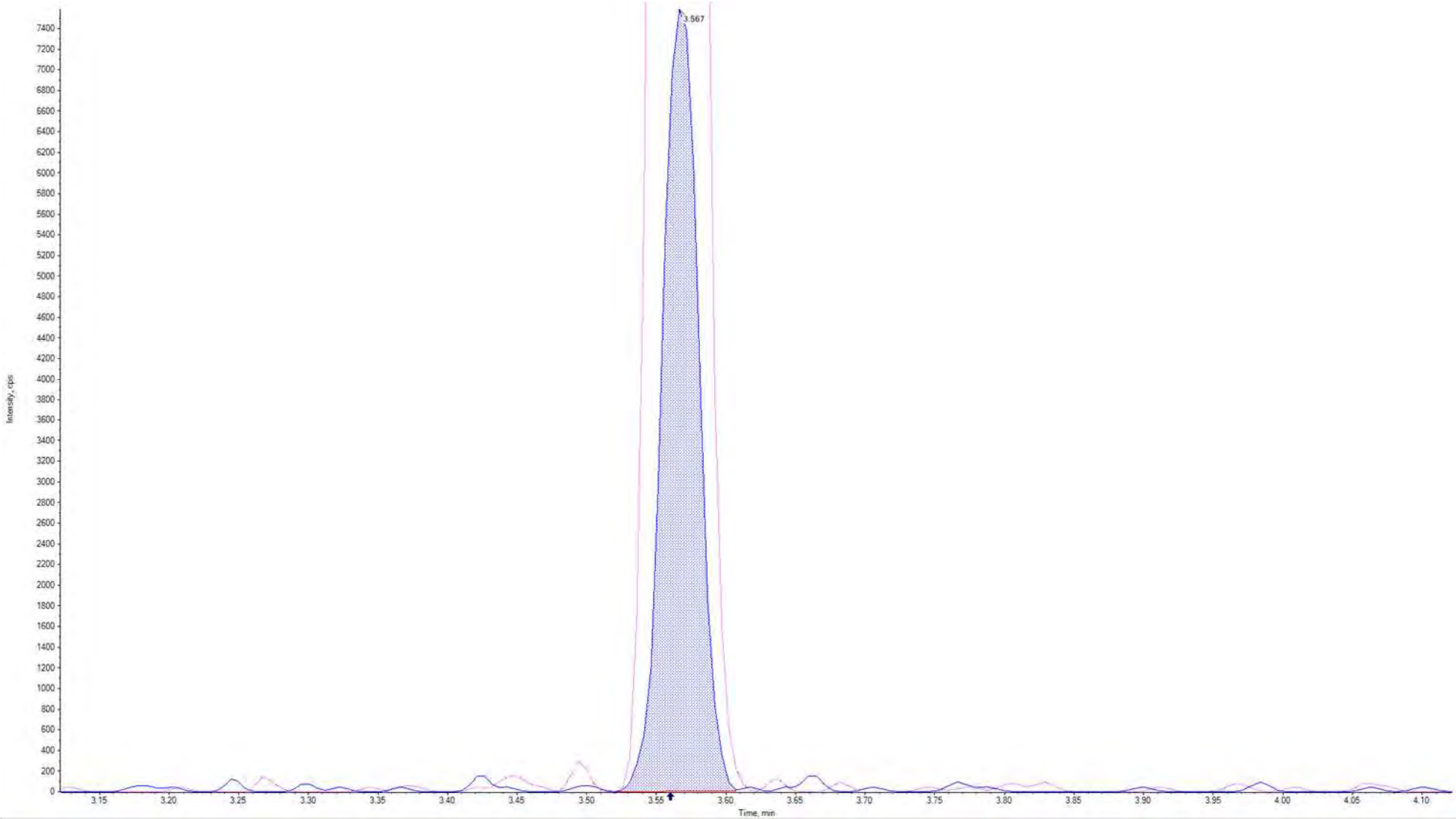
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_15.wiff2_1
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

8:2FTS
Sample: WG2012688-1,1633LOW S/N:209.5 Points Across peak:31



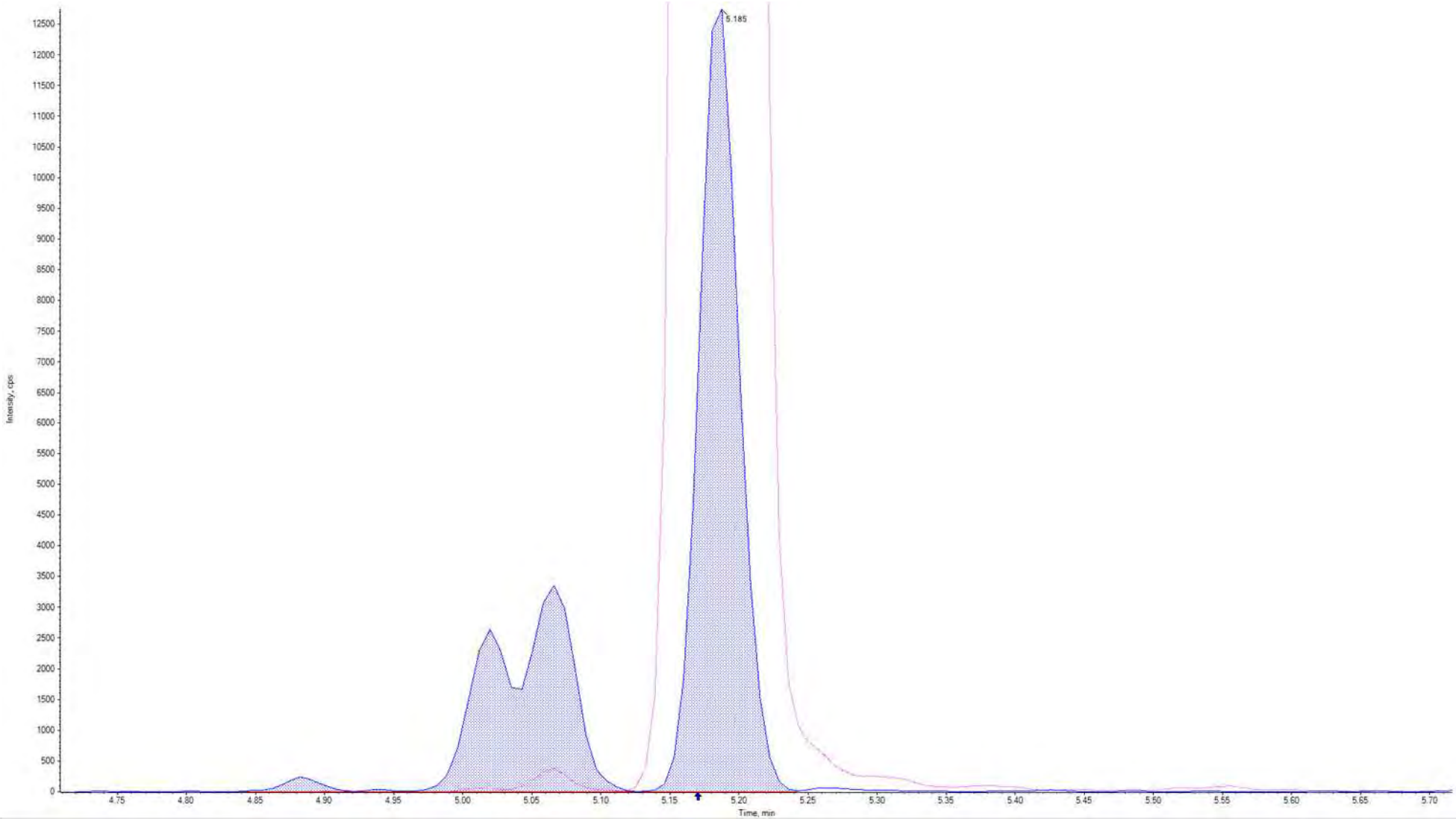
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_15.wiff2_1
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

8:2FTS_2
Sample: WG2012688-1,1633LOW S/N:152.1 Points Across peak:18



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_15.wiff2_1
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFOSA
Sample: WG2012688-1,1633LOW S/N:285.2 Points Across peak:61



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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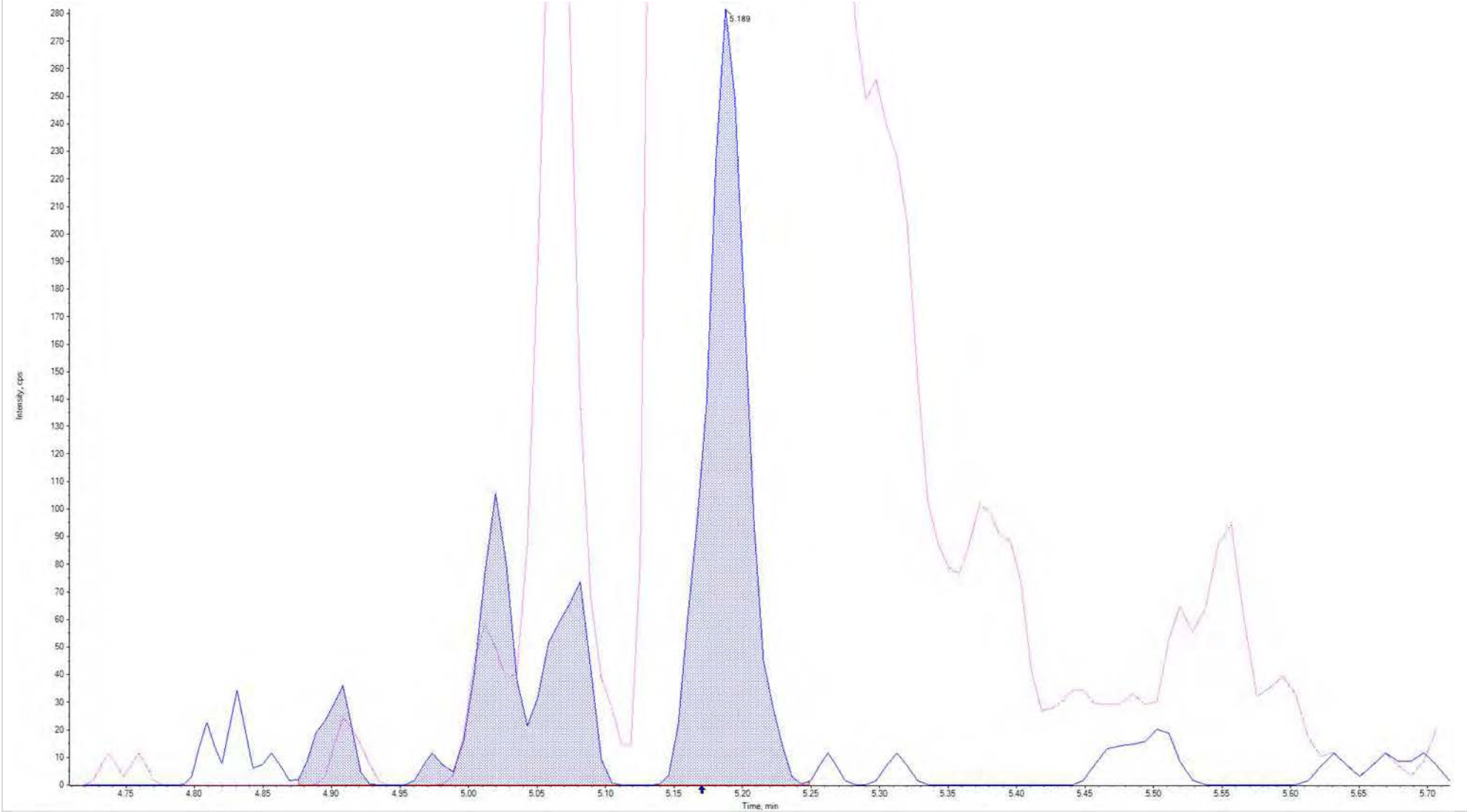
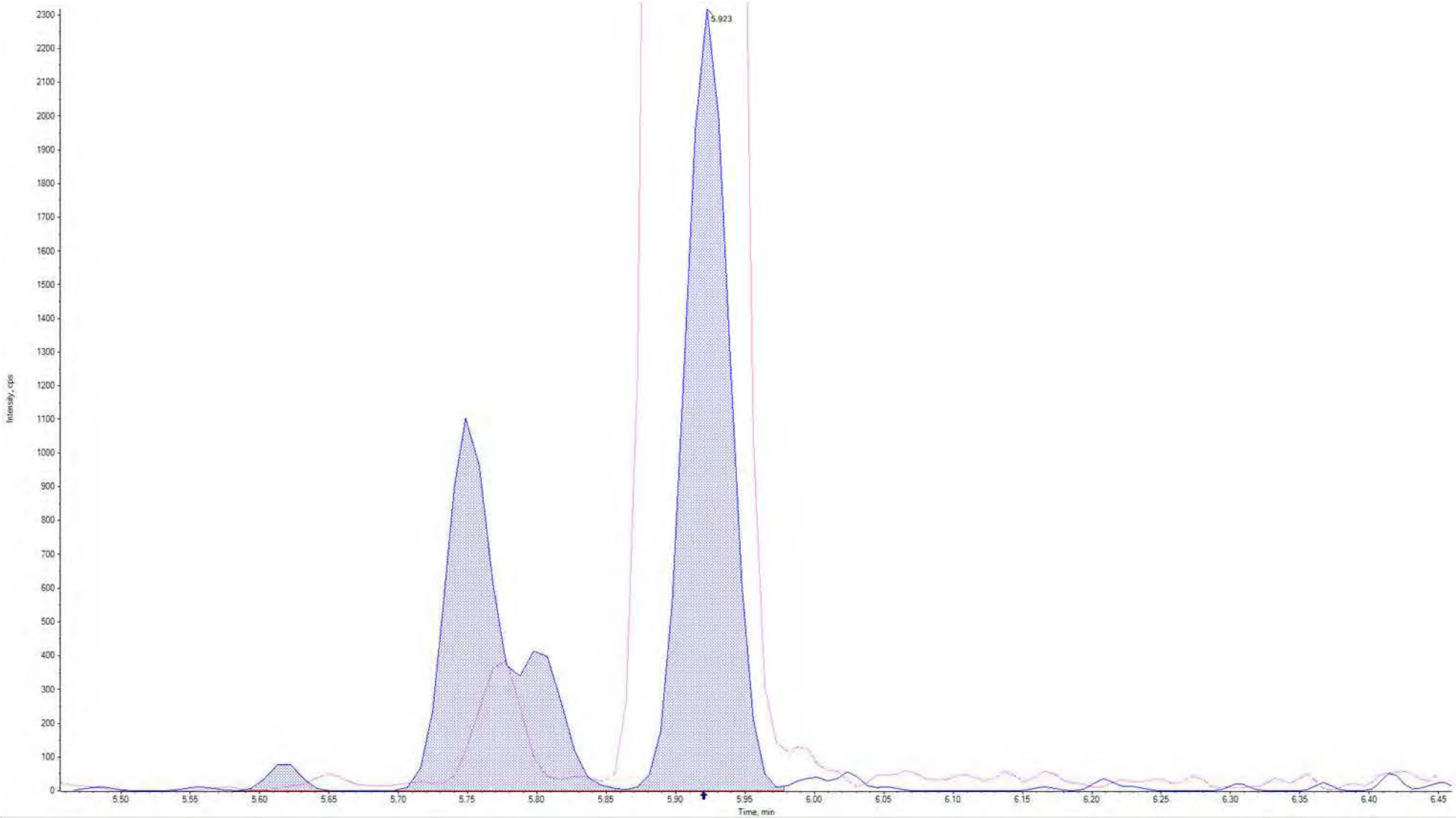
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFOSA_2
Sample: WG2012688-1,1633LOW S/N:24.7 Points Across peak:54

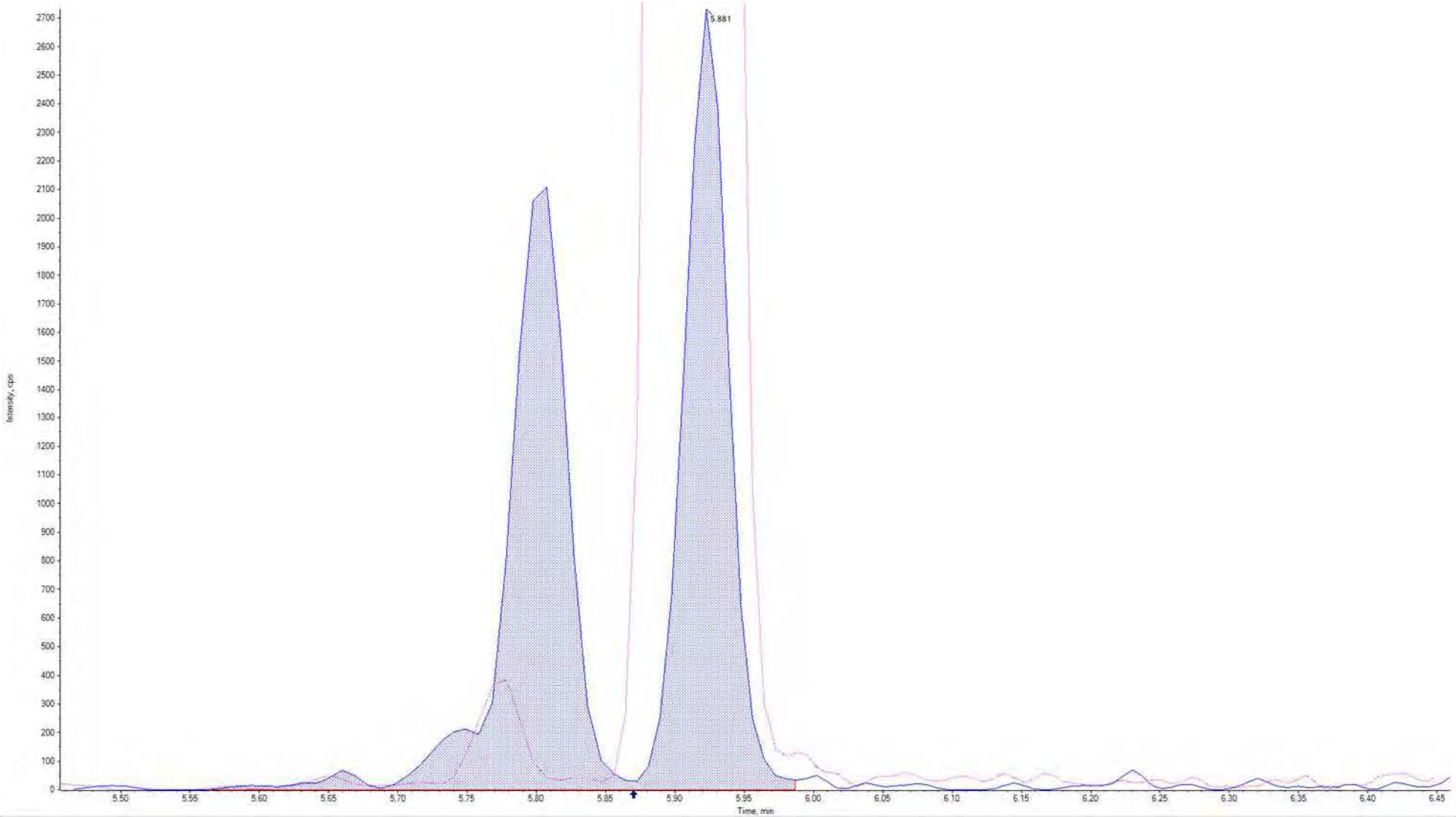


NMeFOSA
Sample: WG2012688-1,1633LOW S/N:135.1 Points Across peak:45

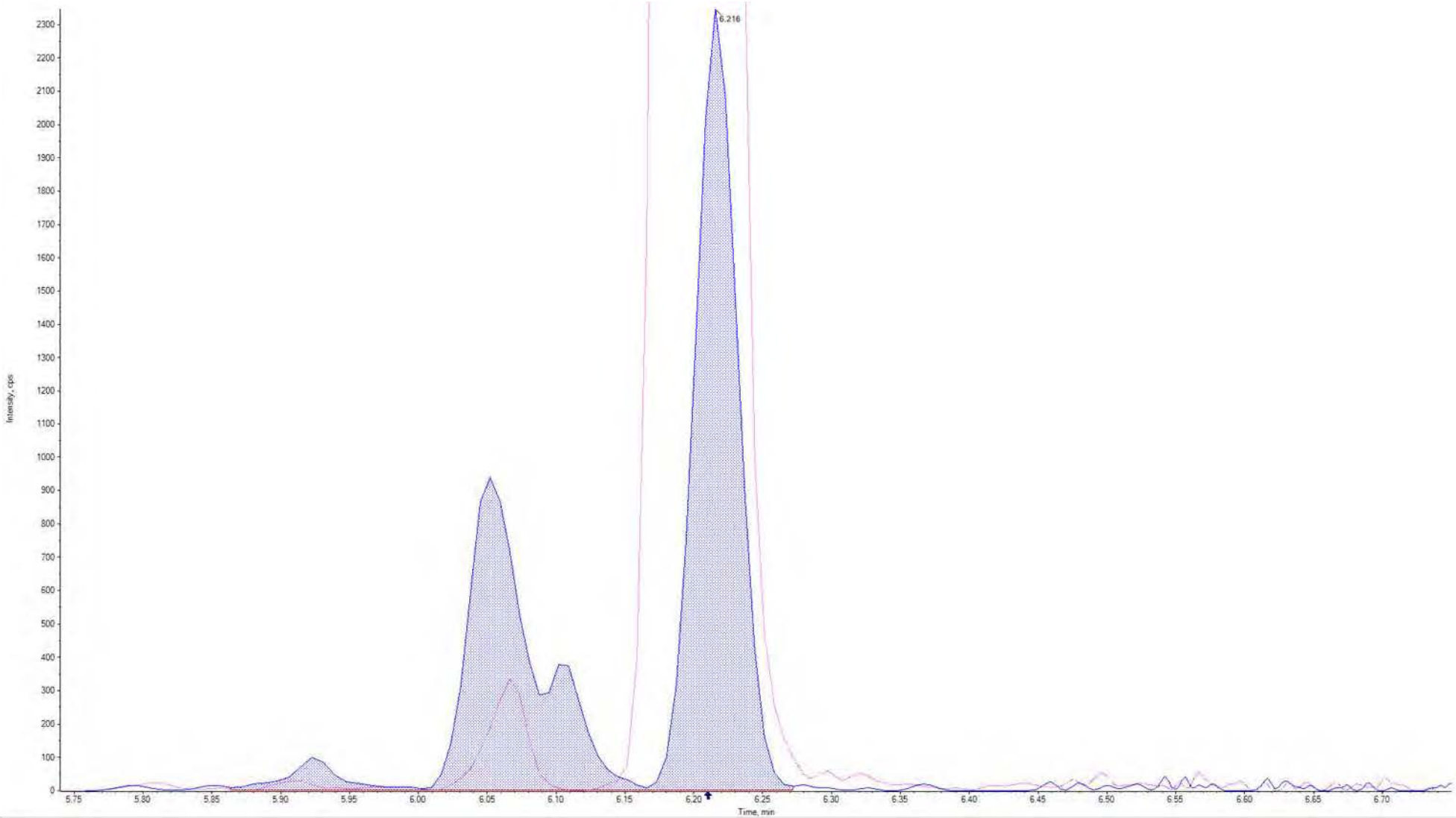


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_15.wiff2_1
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

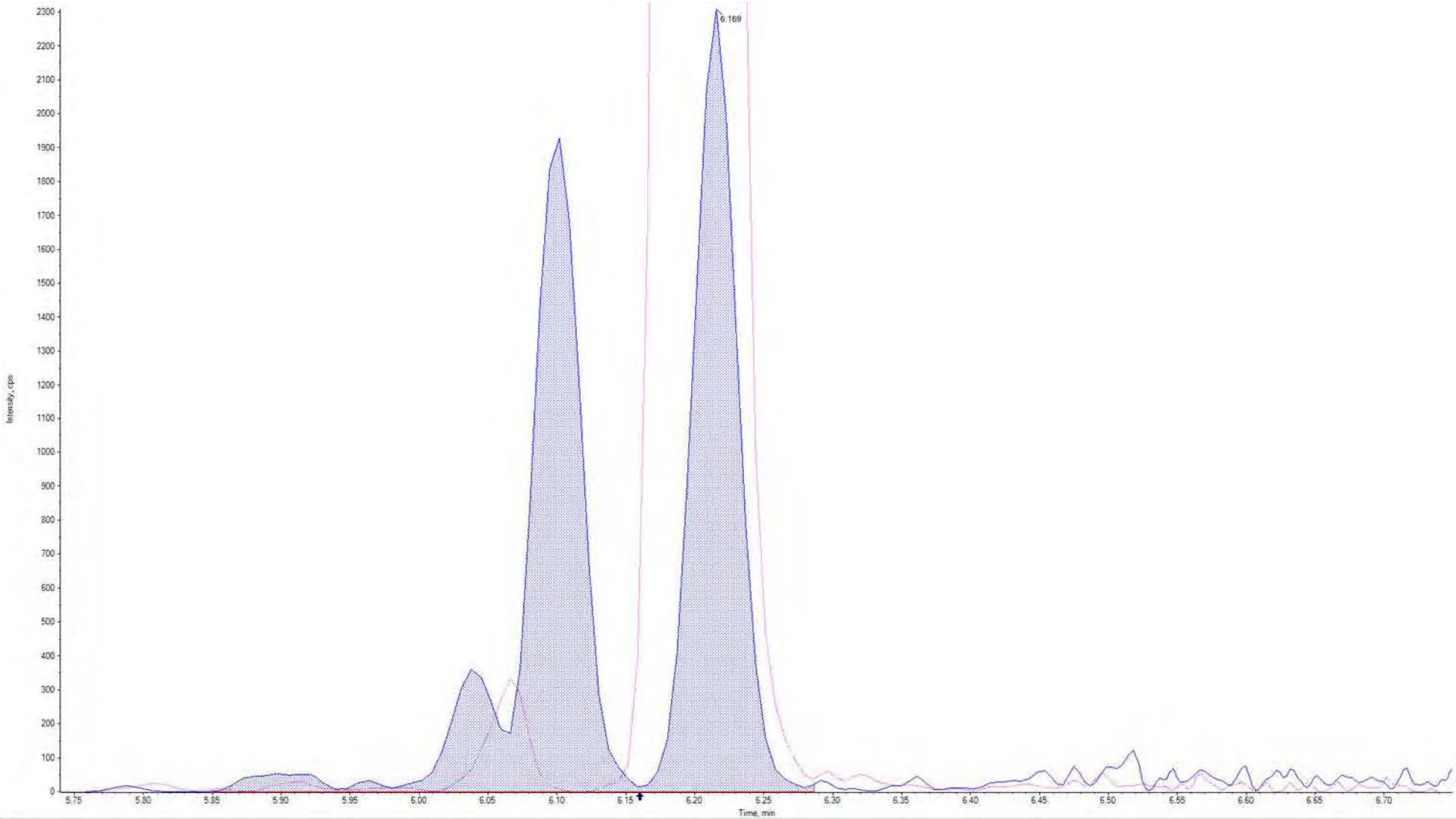
NMeFOSA_2
Sample: WG2012688-1,1633LOW S/N:130.4 Points Across peak:49



NEtFOSA
Sample: WG2012688-1,1633LOW S/N:252.7 Points Across peak:57

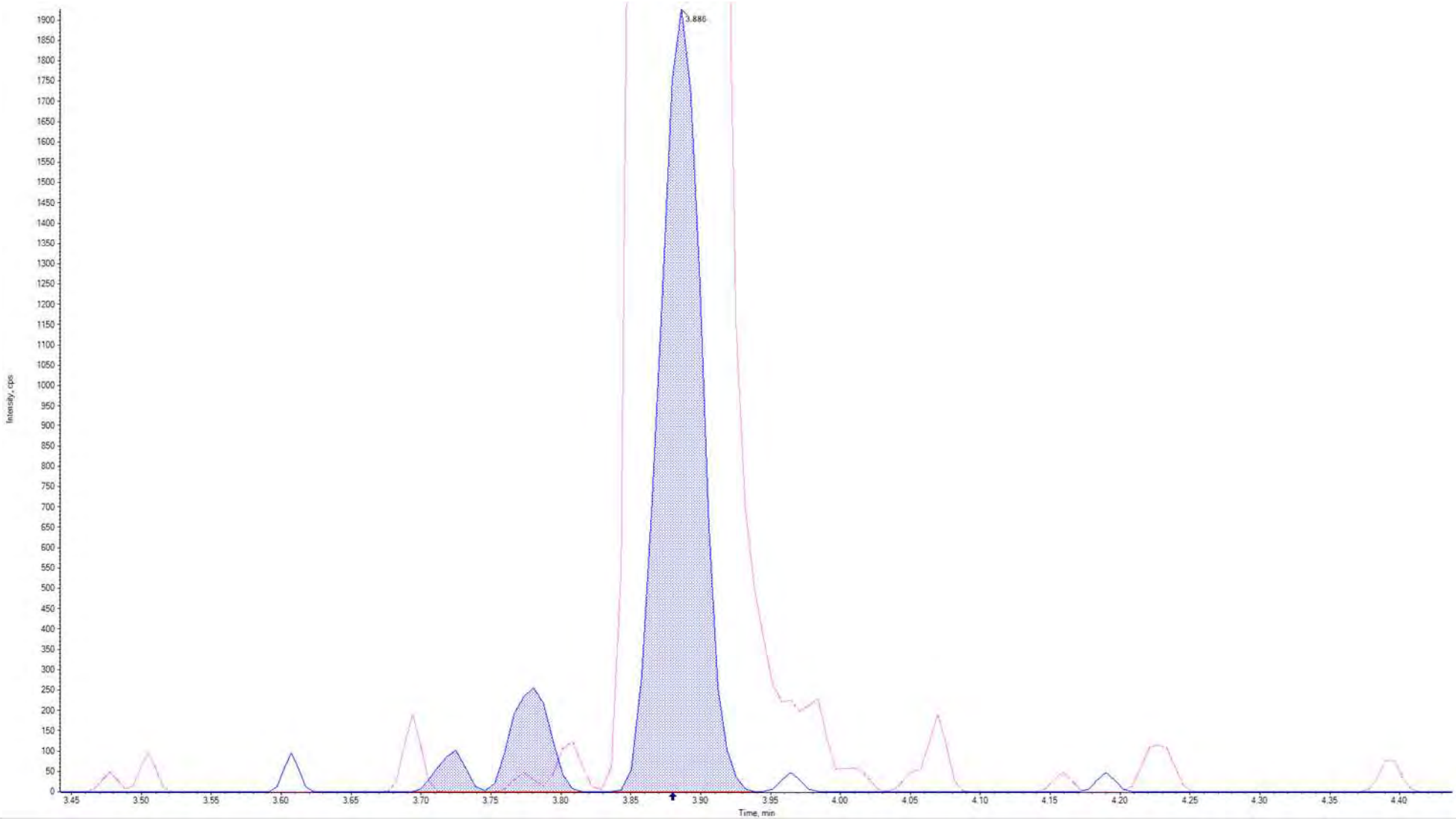


NEtFOSA_2
Sample: WG2012688-1,1633LOW S/N:138.4 Points Across peak:61



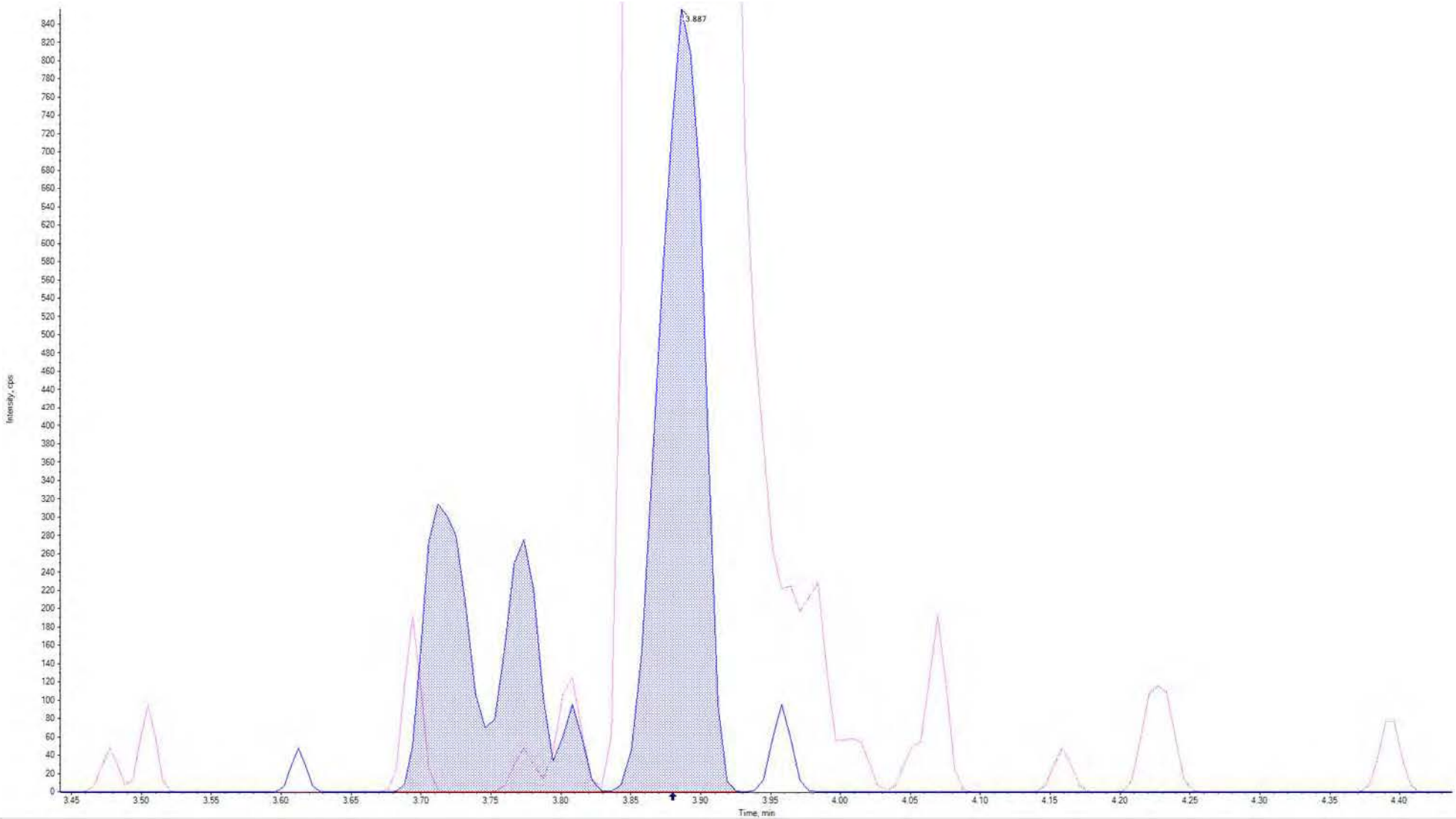
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_15.wiff2_1
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

NMeFOSAA
Sample: WG2012688-1,1633LOW S/N:38.6 Points Across peak:39



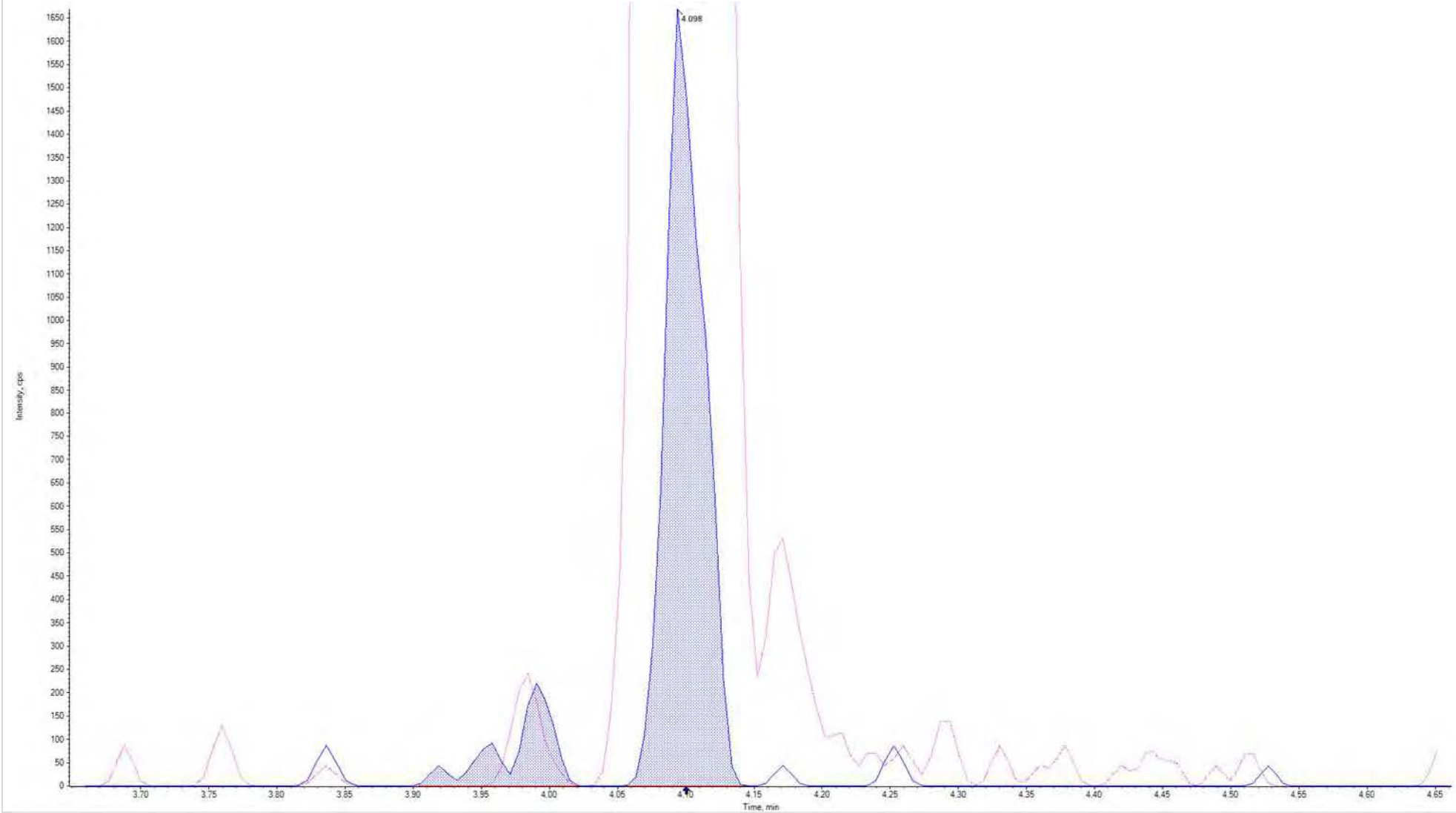
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_15.wiff2_1
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

NMeFOSAA_2
Sample: WG2012688-1,1633LOW S/N:17.2 Points Across peak:40



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_15.wiff2_1
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

NEtFOSAA
Sample: WG2012688-1,1633LOW S/N:37.7 Points Across peak:41



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_15.wiff2_1
Last Altered: 12/24/2024 7:52:08 AM
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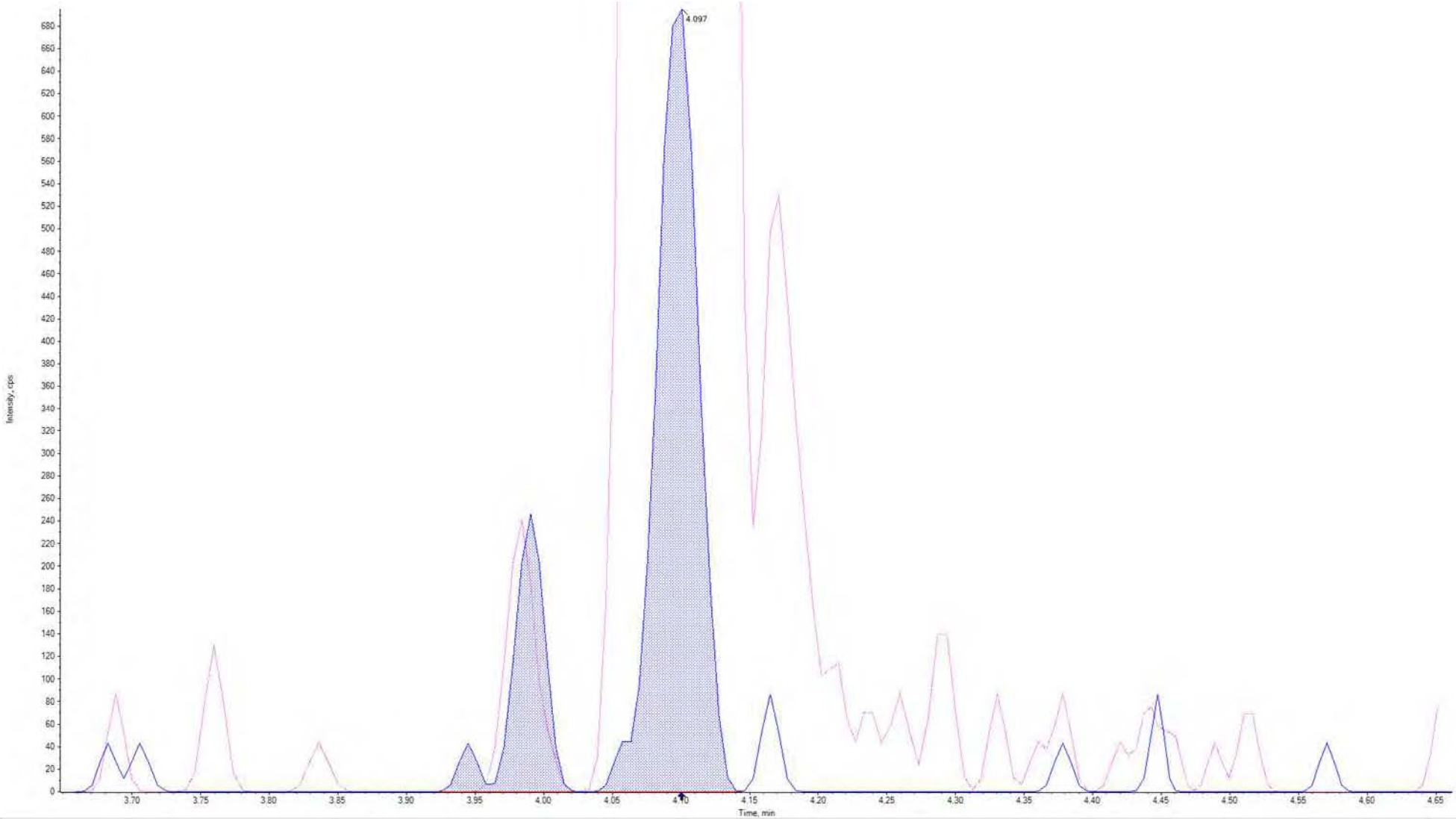
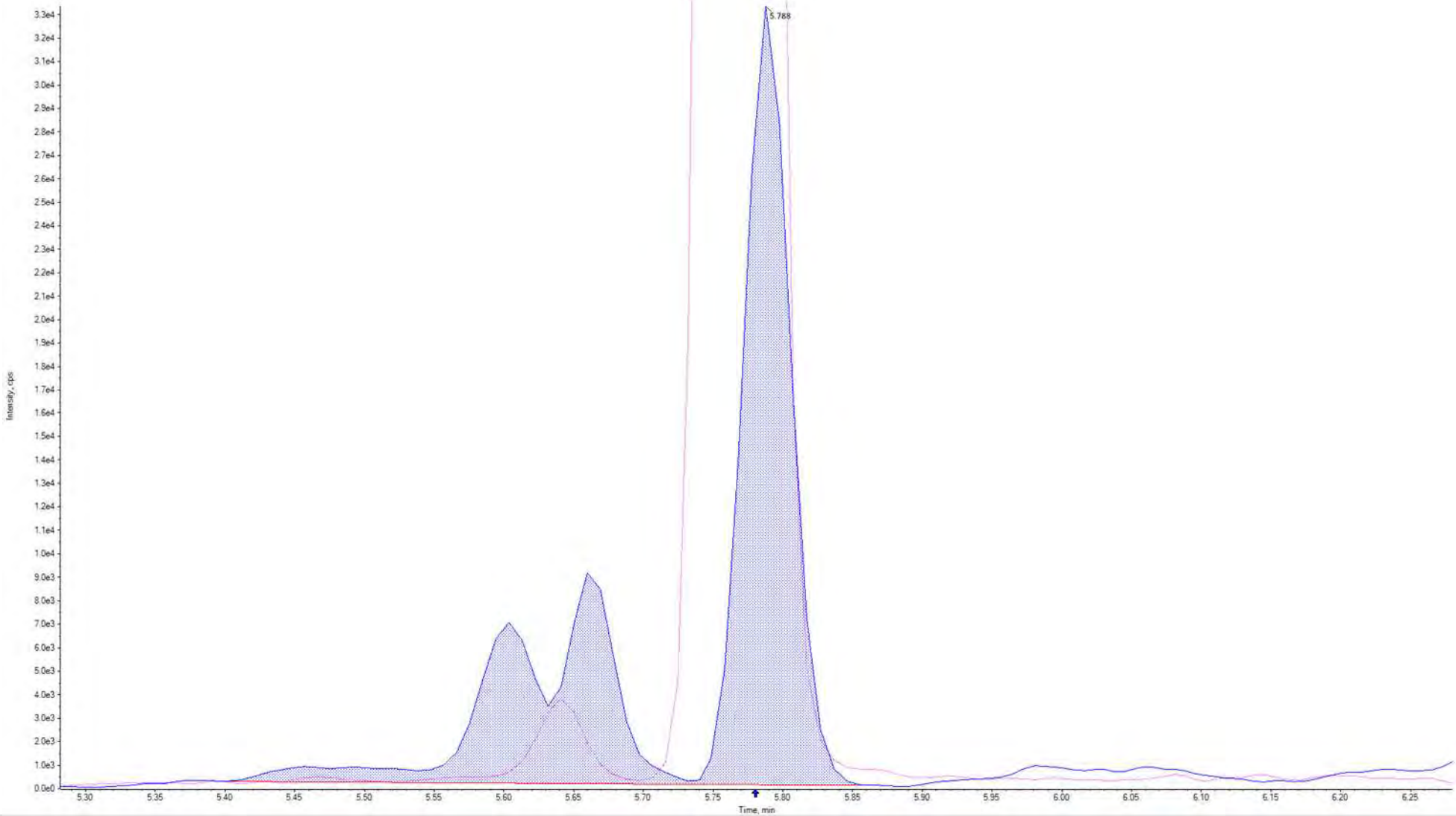
NEtFOSAA_2
Sample: WG2012688-1,1633LOW S/N:15.7 Points Across peak:37



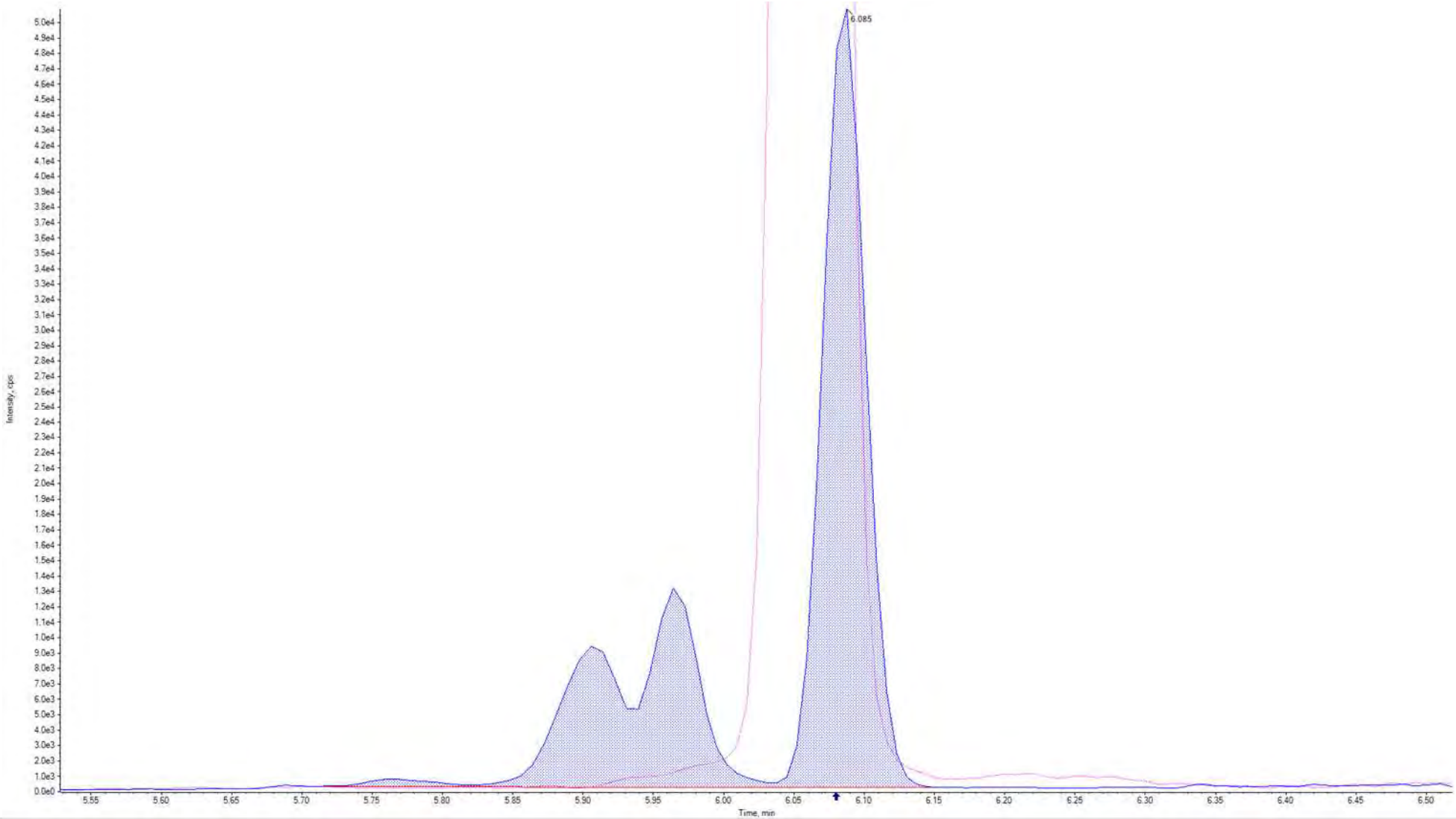
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_15.wiff2_1
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

NMeFOSE
Sample: WG2012688-1,1633LOW S/N:126.3 Points Across peak:53



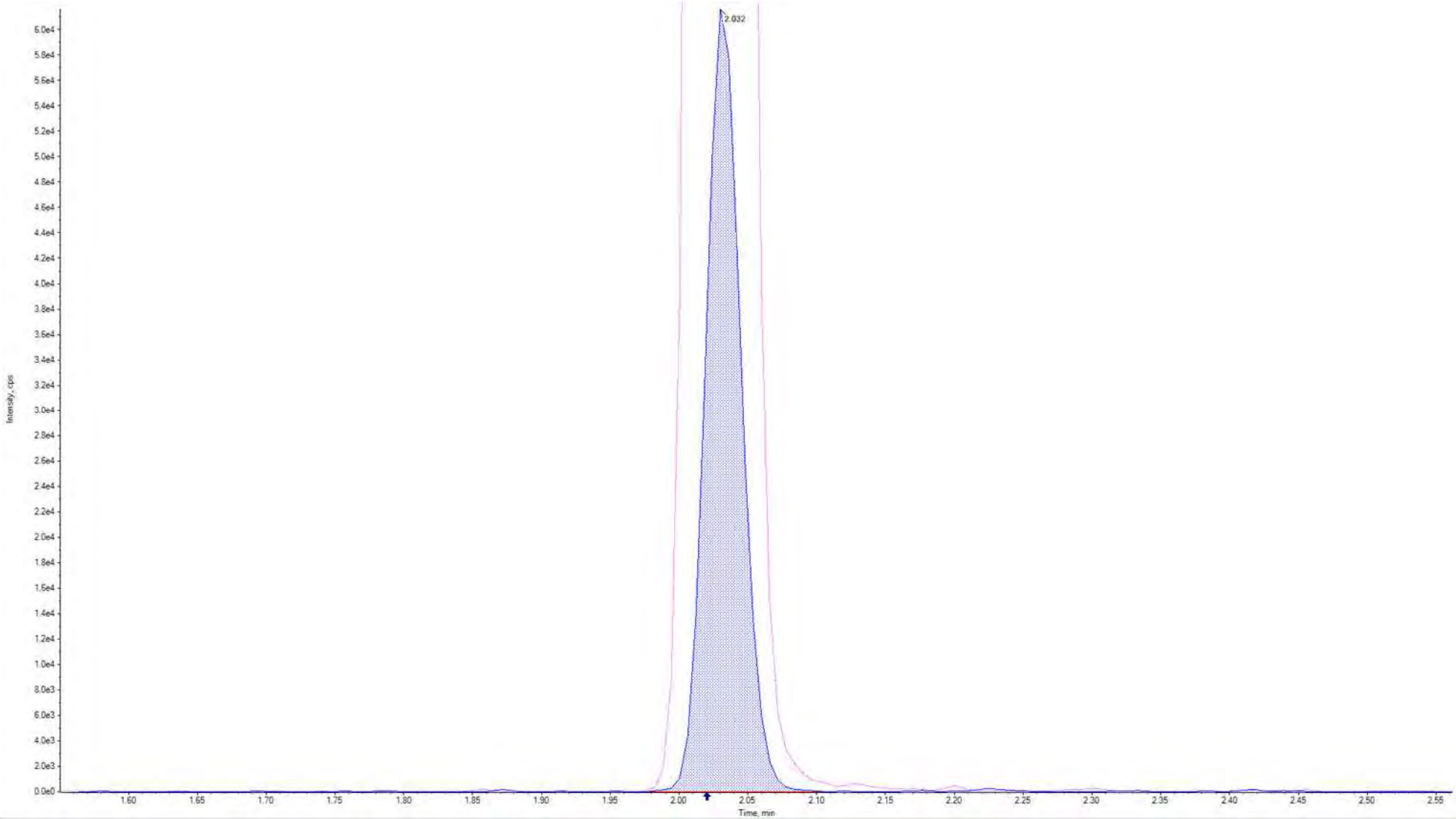
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_15.wiff2_1
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

NEtFOSE
Sample: WG2012688-1,1633LOW S/N:225.6 Points Across peak:57



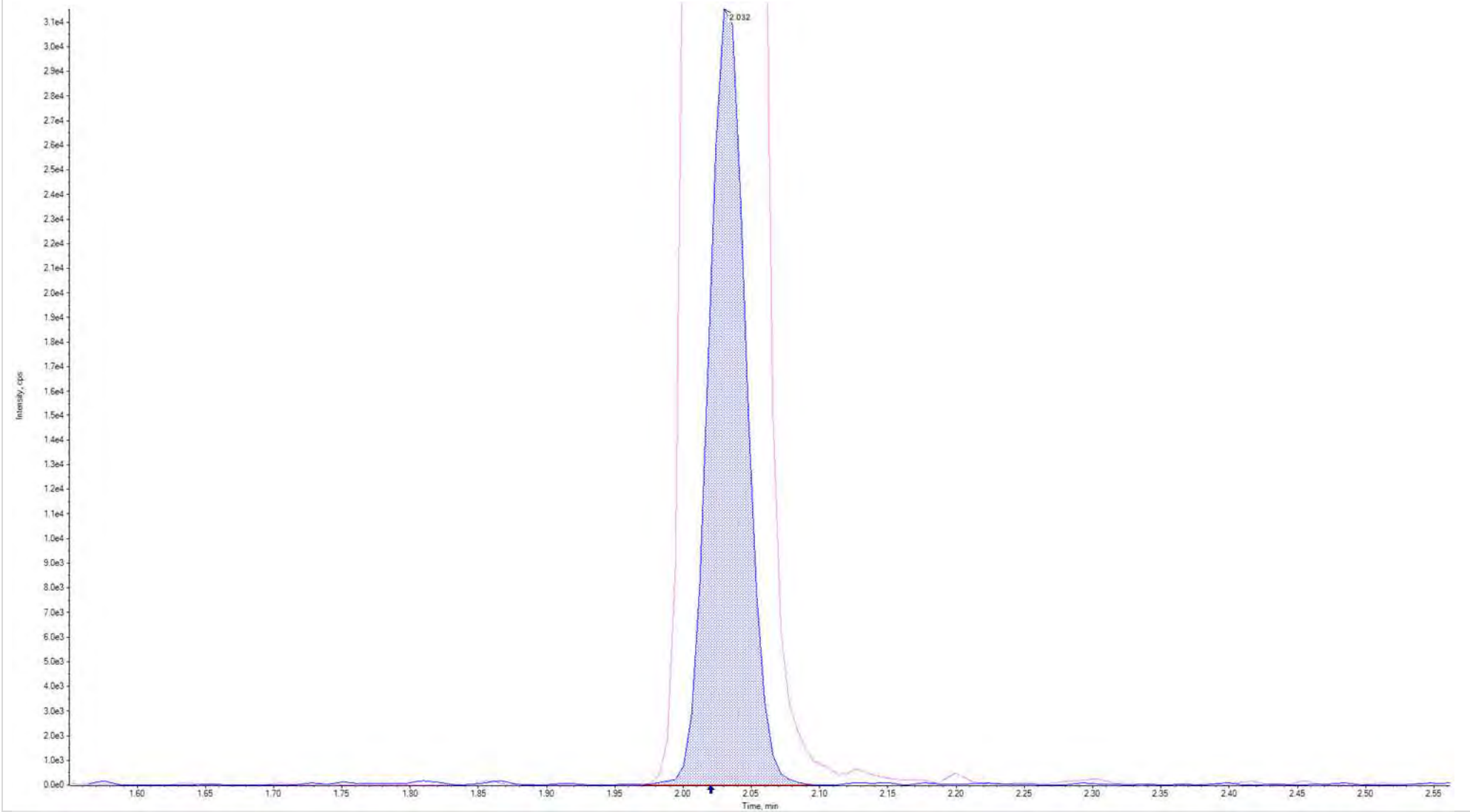
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_15.wiff2_1
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

HFPO-DA
Sample: WG2012688-1,1633LOW S/N:1389.7 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_15.wiff2_1
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

HFPO-DA_2
Sample: WG2012688-1,1633LOW S/N:711.2 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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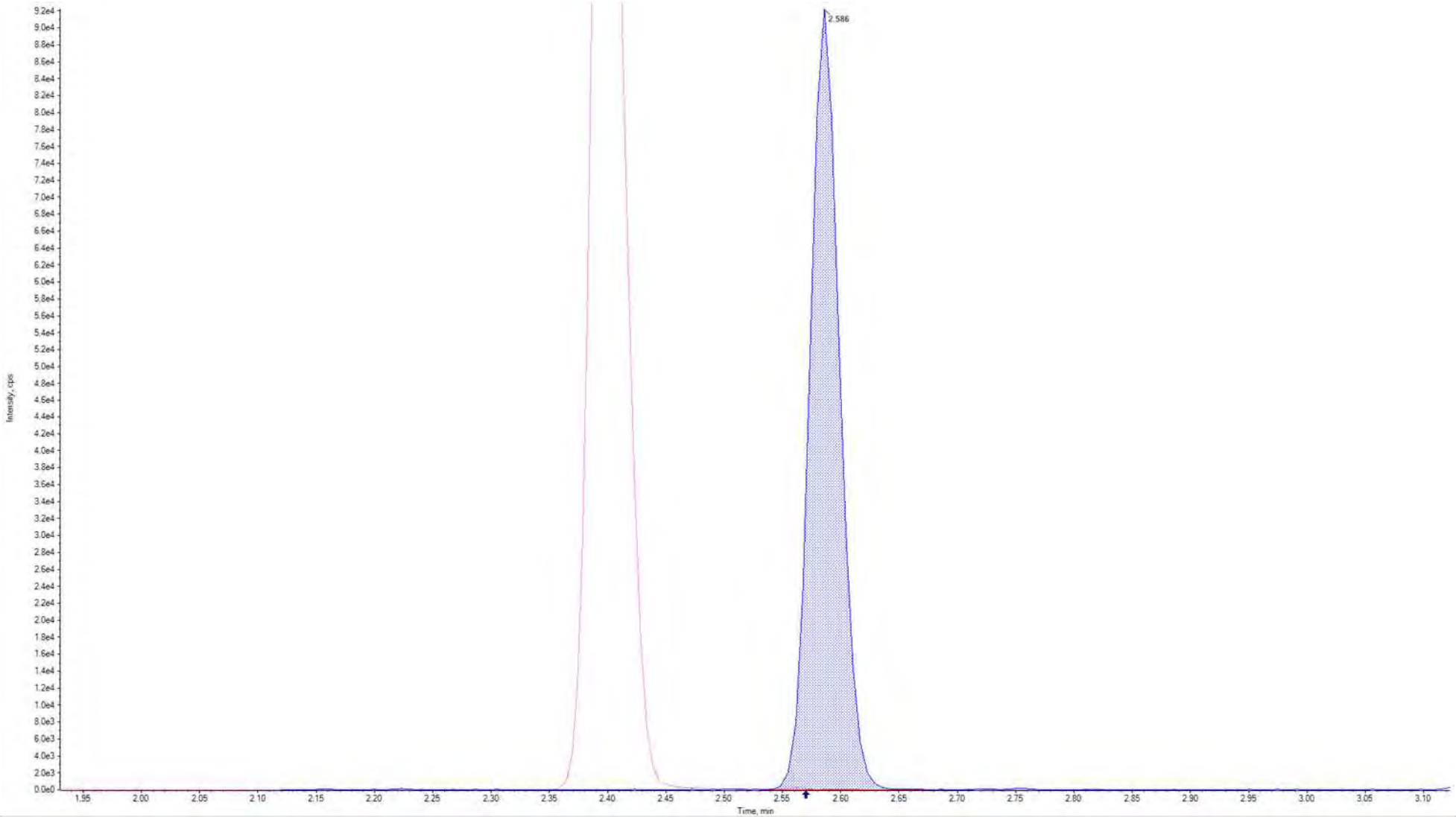
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

ADONA
Sample: WG2012688-1,1633LOW S/N:1849.1 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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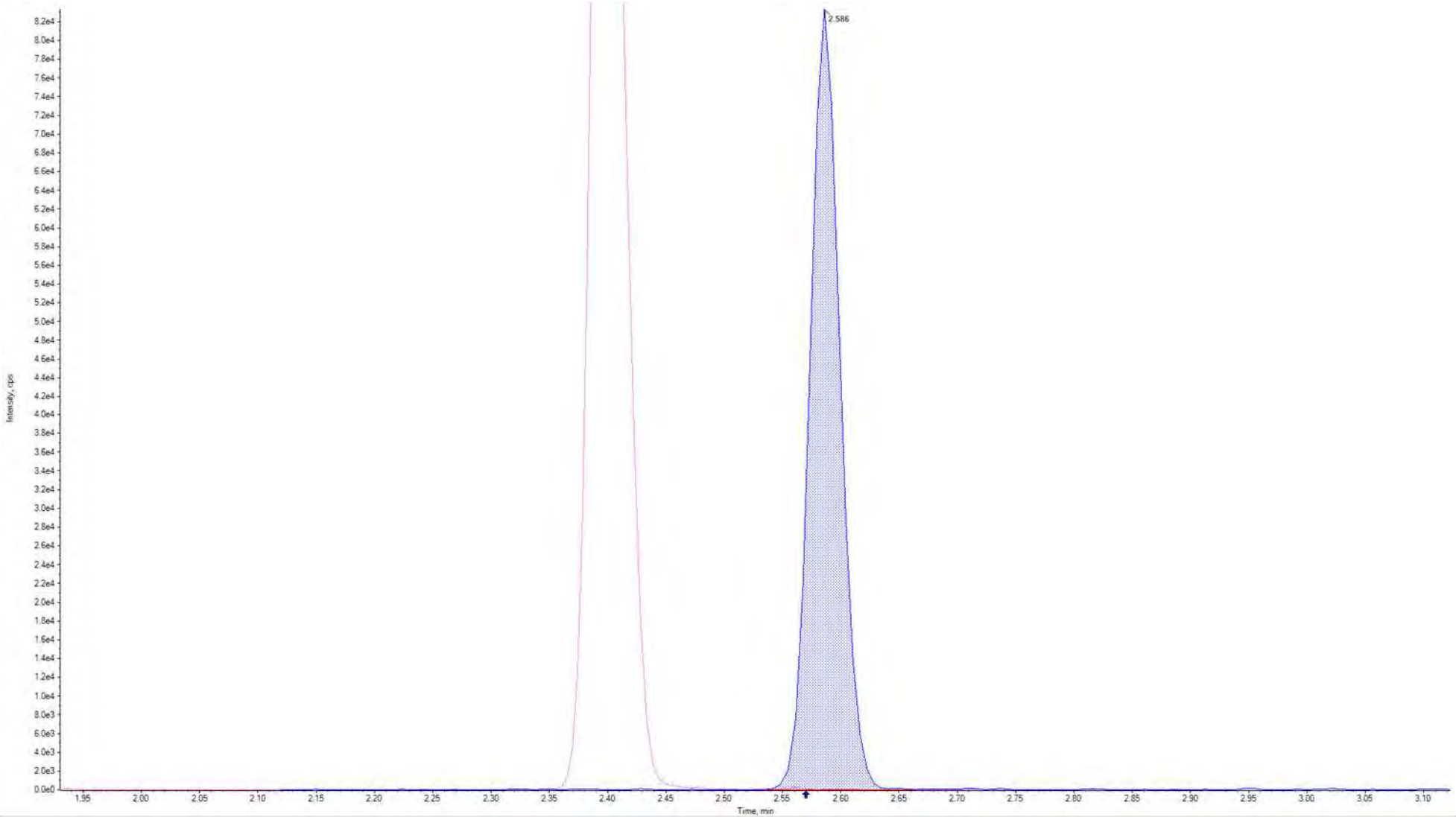
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

ADONA_2
Sample: WG2012688-1,1633LOW S/N:1671.2 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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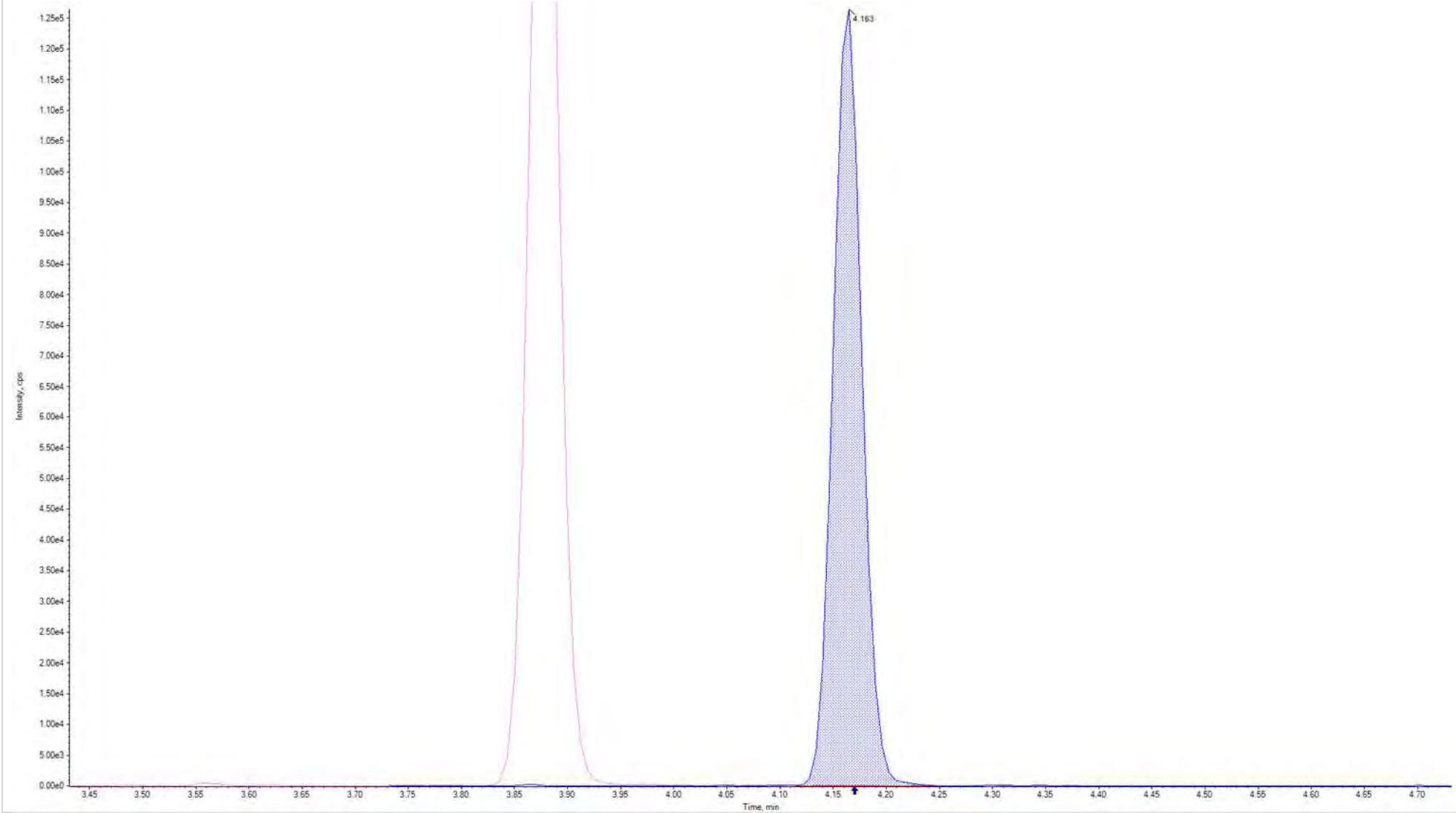
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

9Cl-PF3ONS
Sample: WG2012688-1,1633LOW S/N:2853.7 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/24/2024 7:52:08 AM
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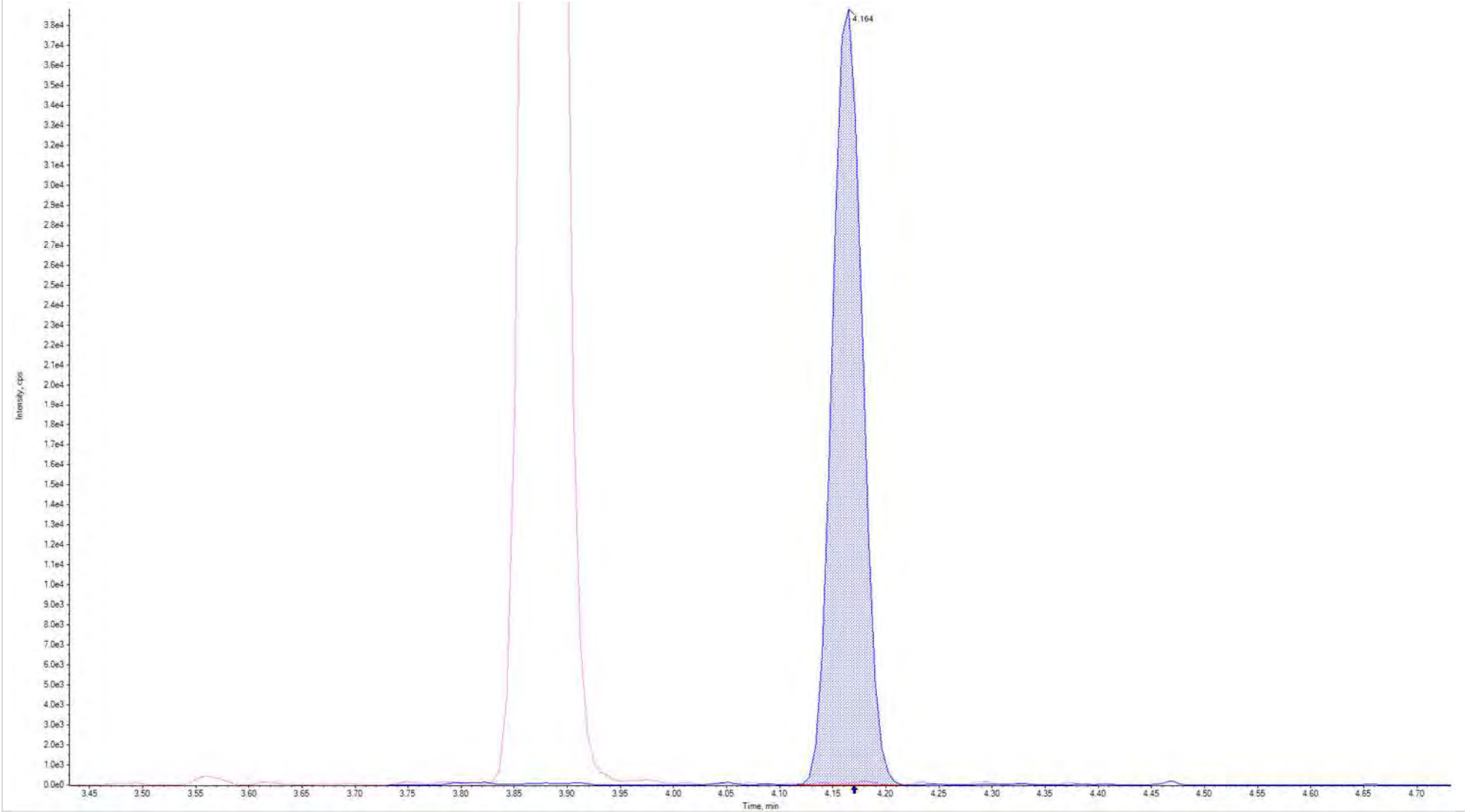
9Cl-PF3ONS_2
Sample: WG2012688-1,1633LOW S/N:875.3 Points Across peak:20



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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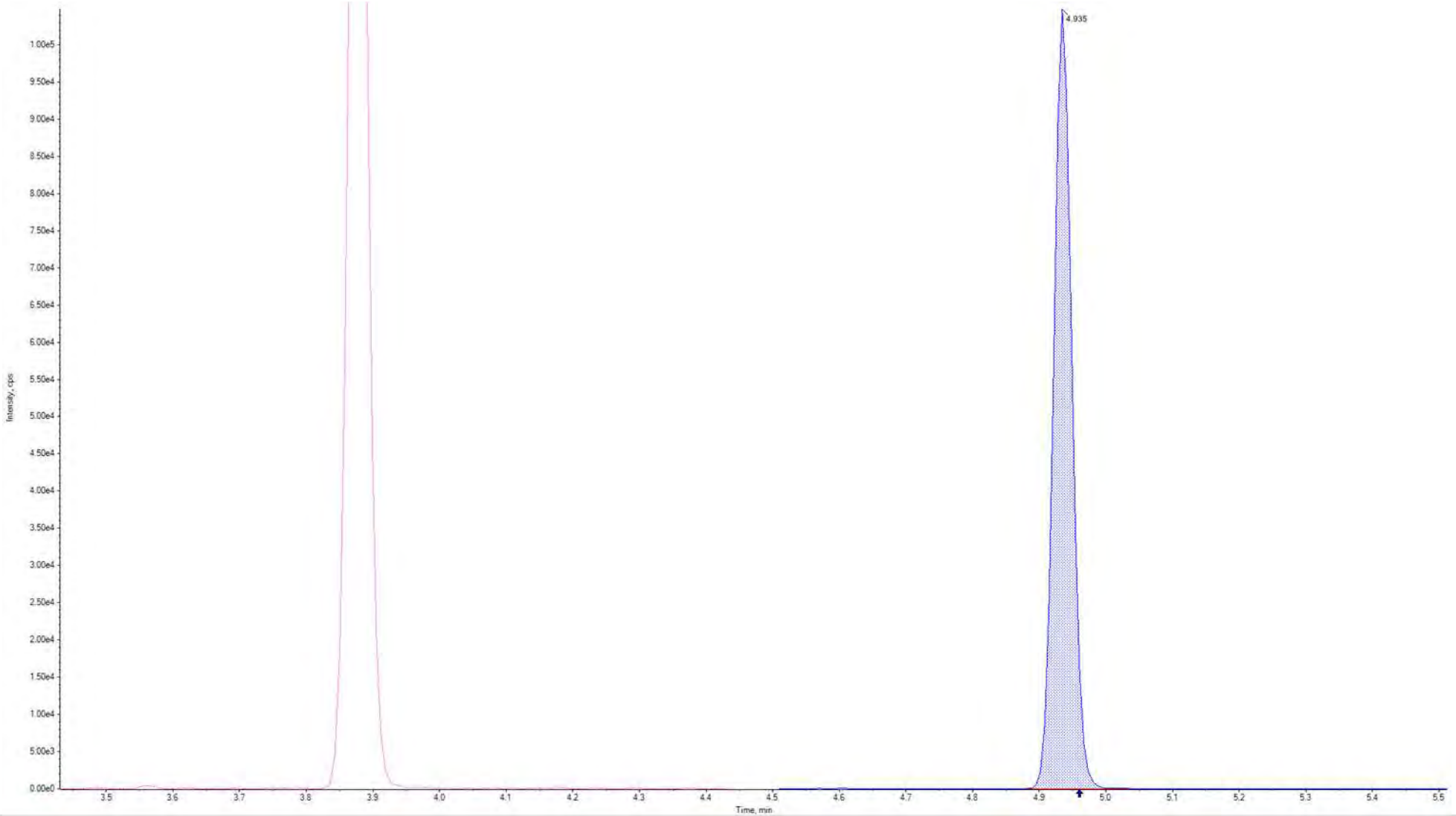
11Cl-PF3OUdS
Sample: WG2012688-1,1633LOW S/N:4989.1 Points Across peak:40



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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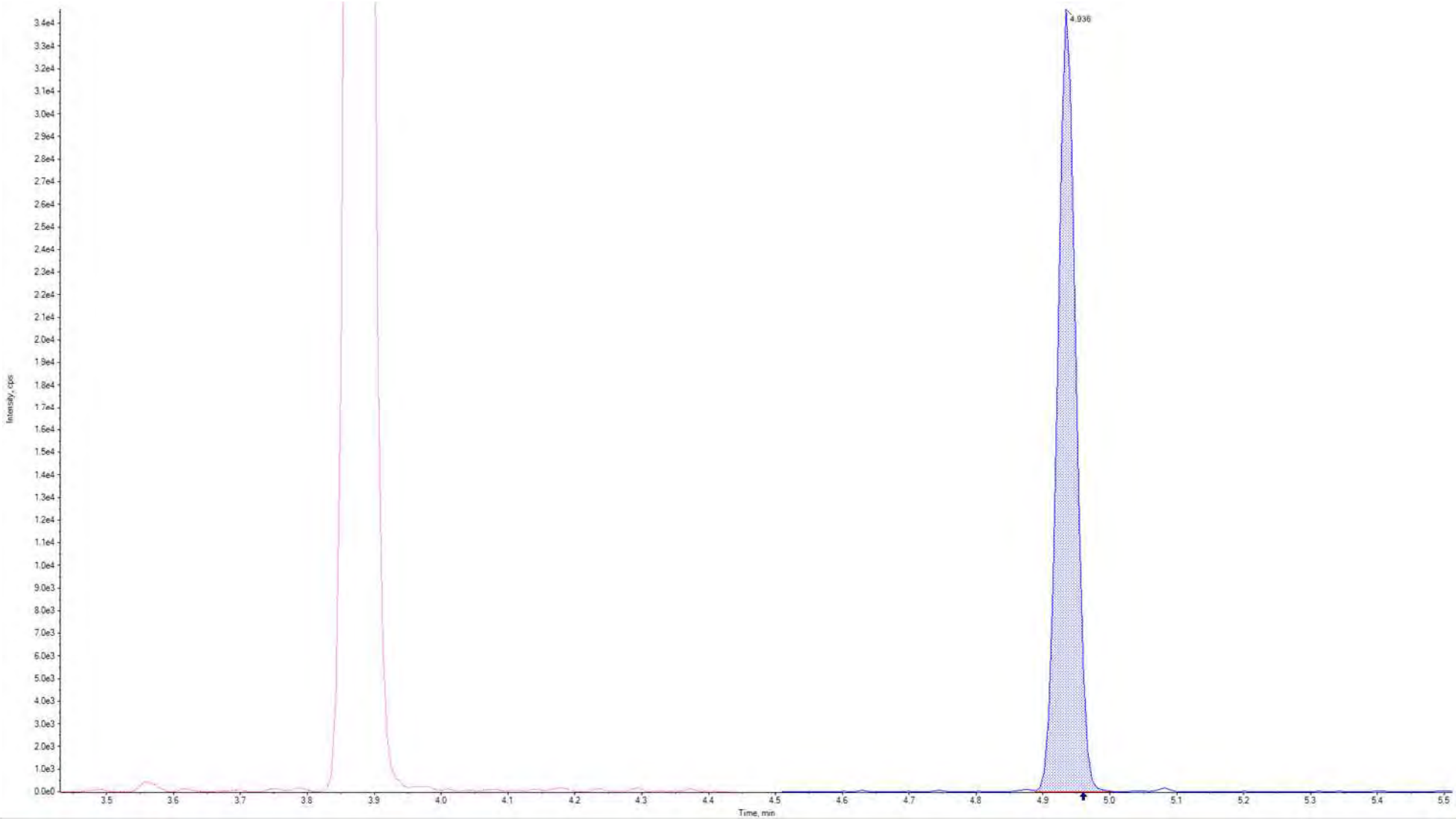
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

11Cl-PF3OUdS_2
Sample: WG2012688-1,1633LOW S/N:1649.5 Points Across peak:19



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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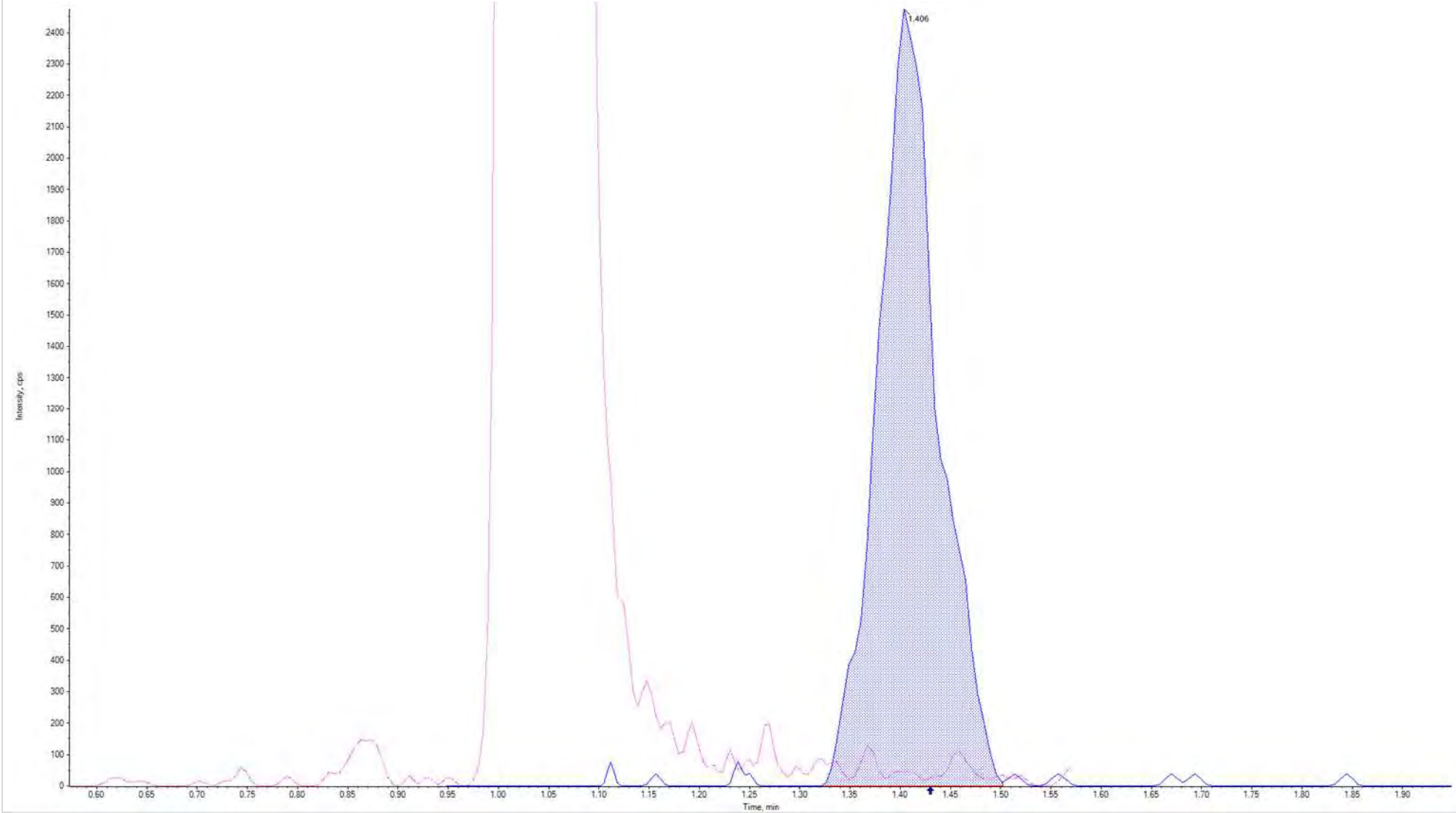
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

3:3FTCA
Sample: WG2012688-1,1633LOW S/N:62.0 Points Across peak:36



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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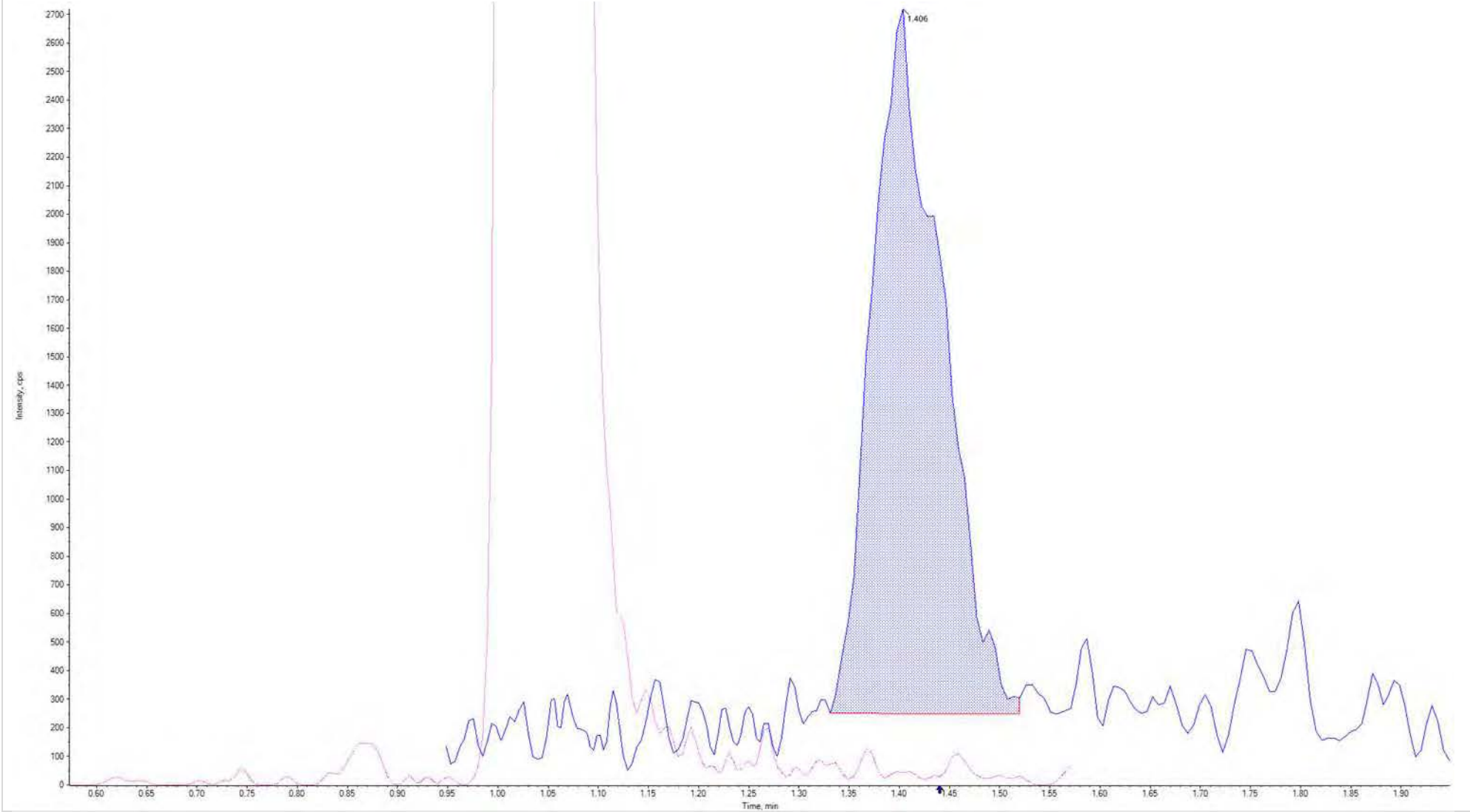
3:3FTCA_2
Sample: WG2012688-1,1633LOW S/N:61.9 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/24/2024 7:52:08 AM
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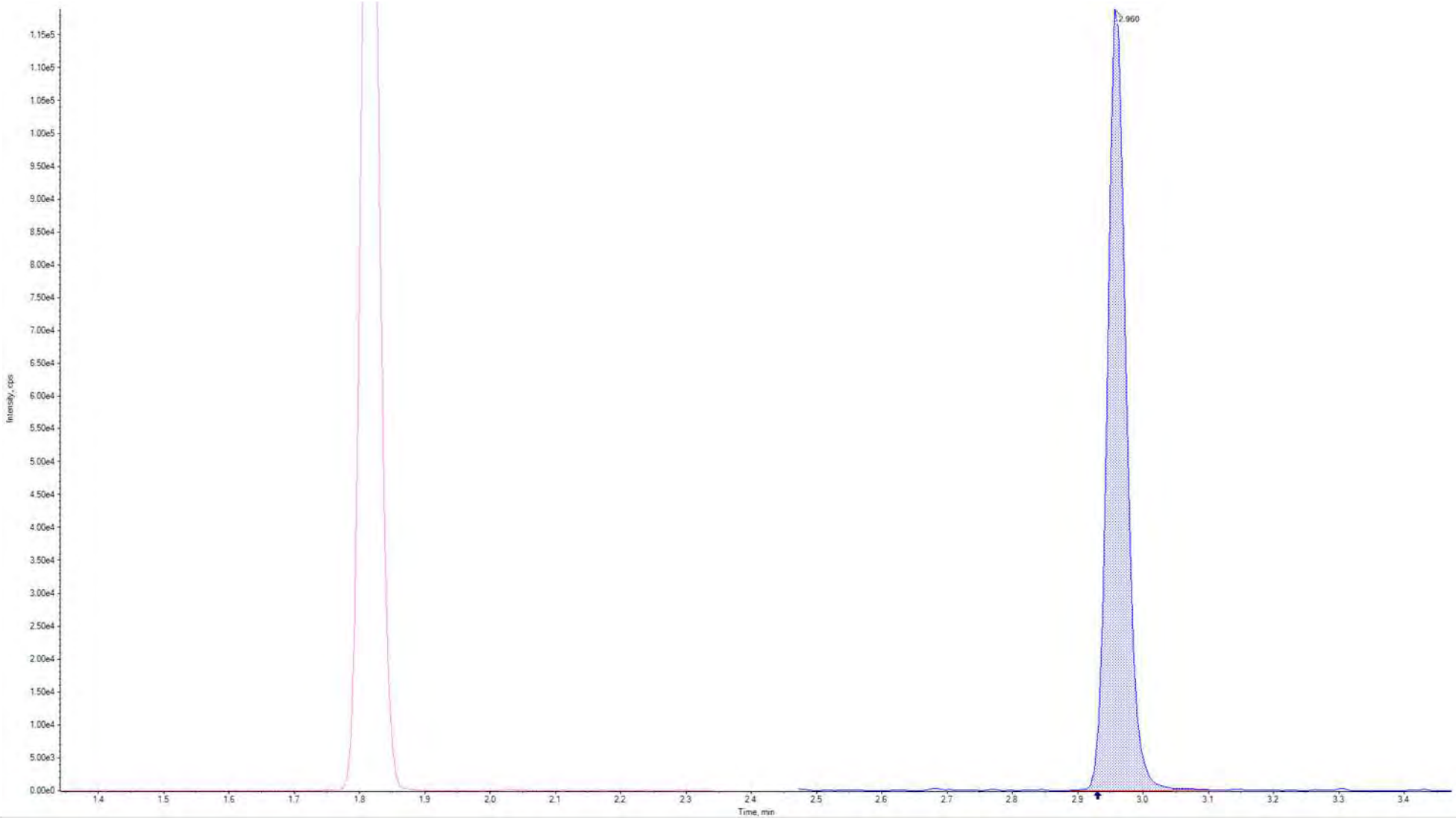
5:3FTCA
Sample: WG2012688-1,1633LOW S/N:2681.6 Points Across peak:41



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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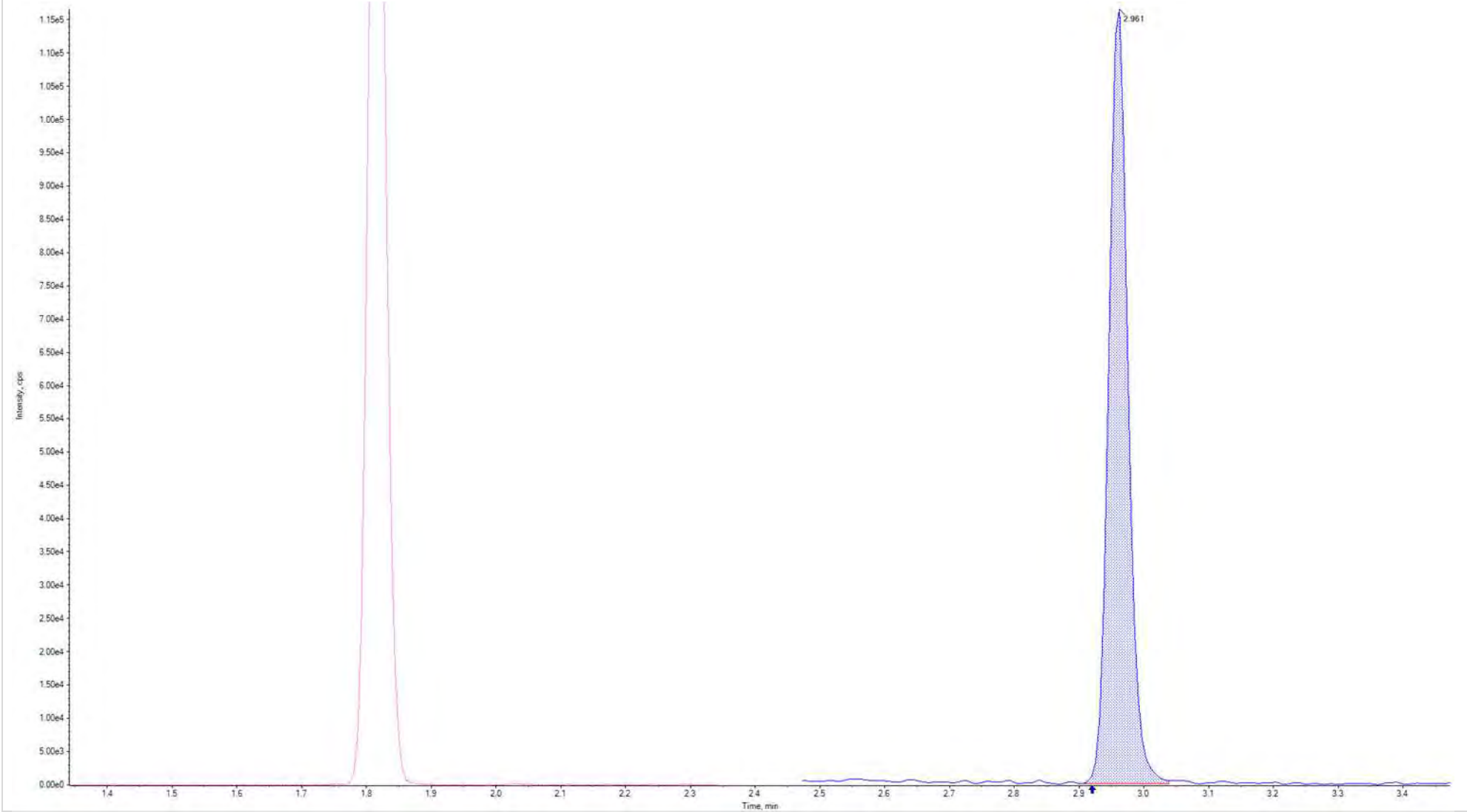
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

5:3FTCA_2
Sample: WG2012688-1,1633LOW S/N:1974.0 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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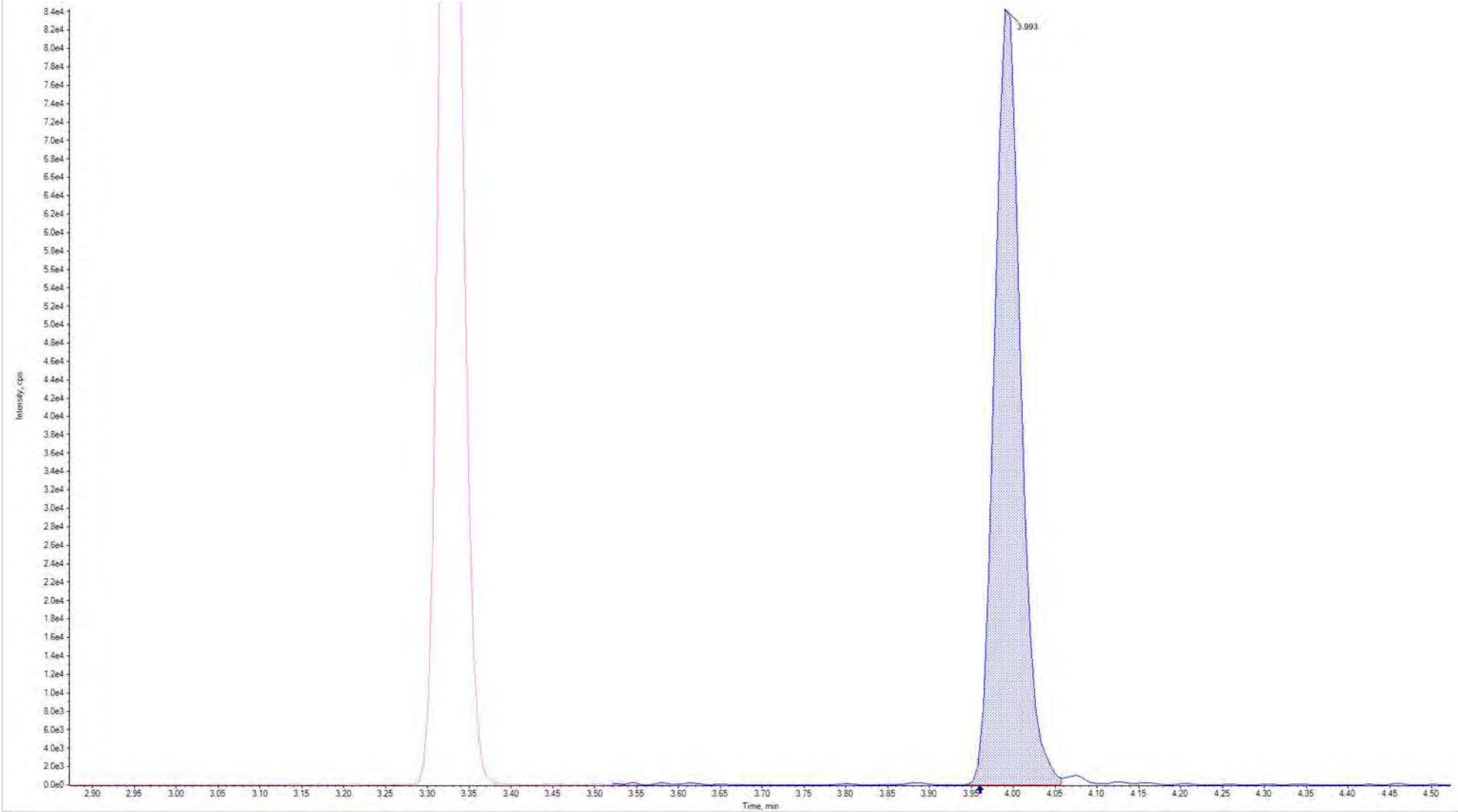
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

7:3FTCA
Sample: WG2012688-1,1633LOW S/N:1766.8 Points Across peak:21



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/24/2024 7:52:08 AM
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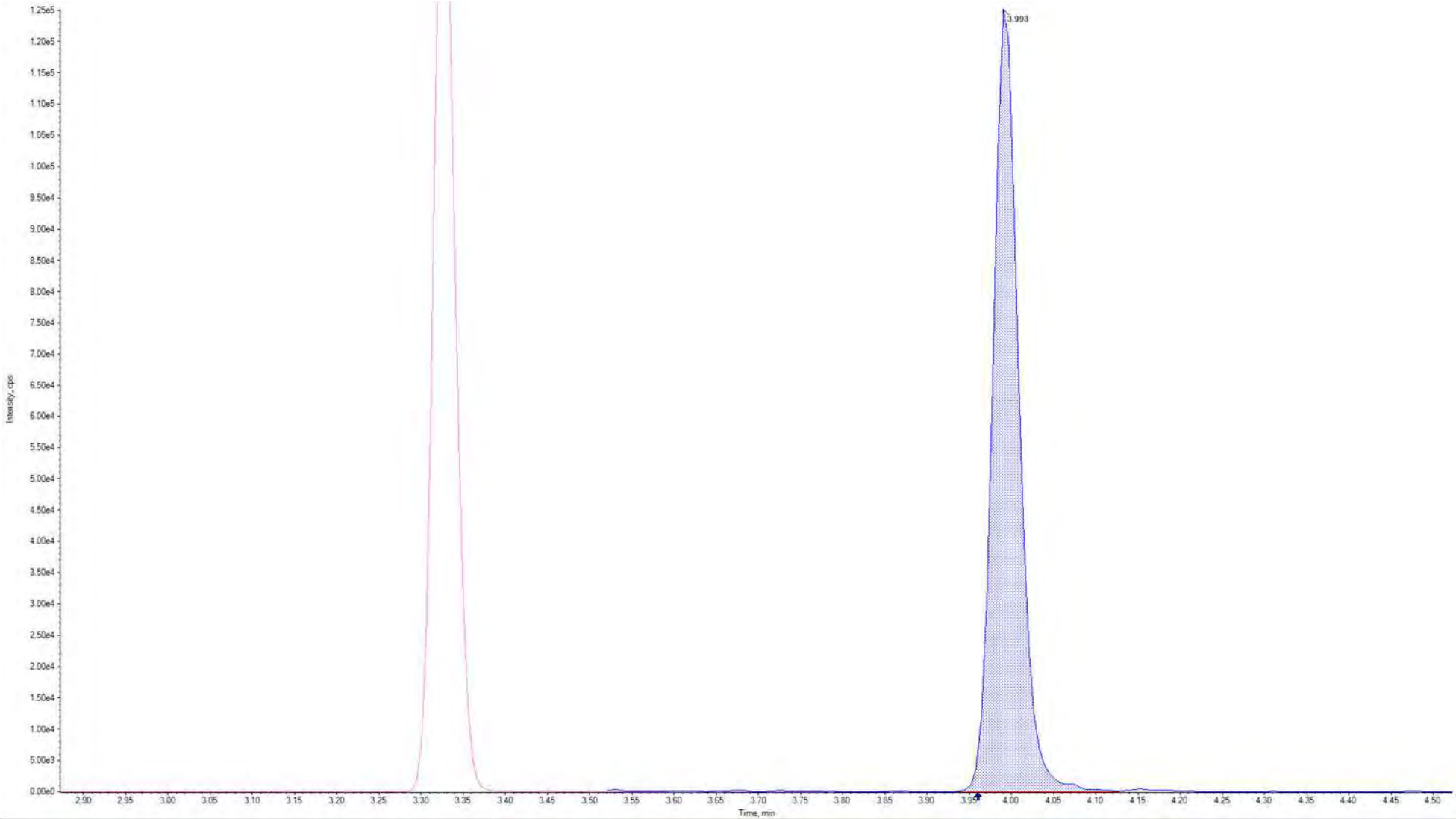
7:3FTCA_2
Sample: WG2012688-1,1633LOW S/N:3451.6 Points Across peak:33



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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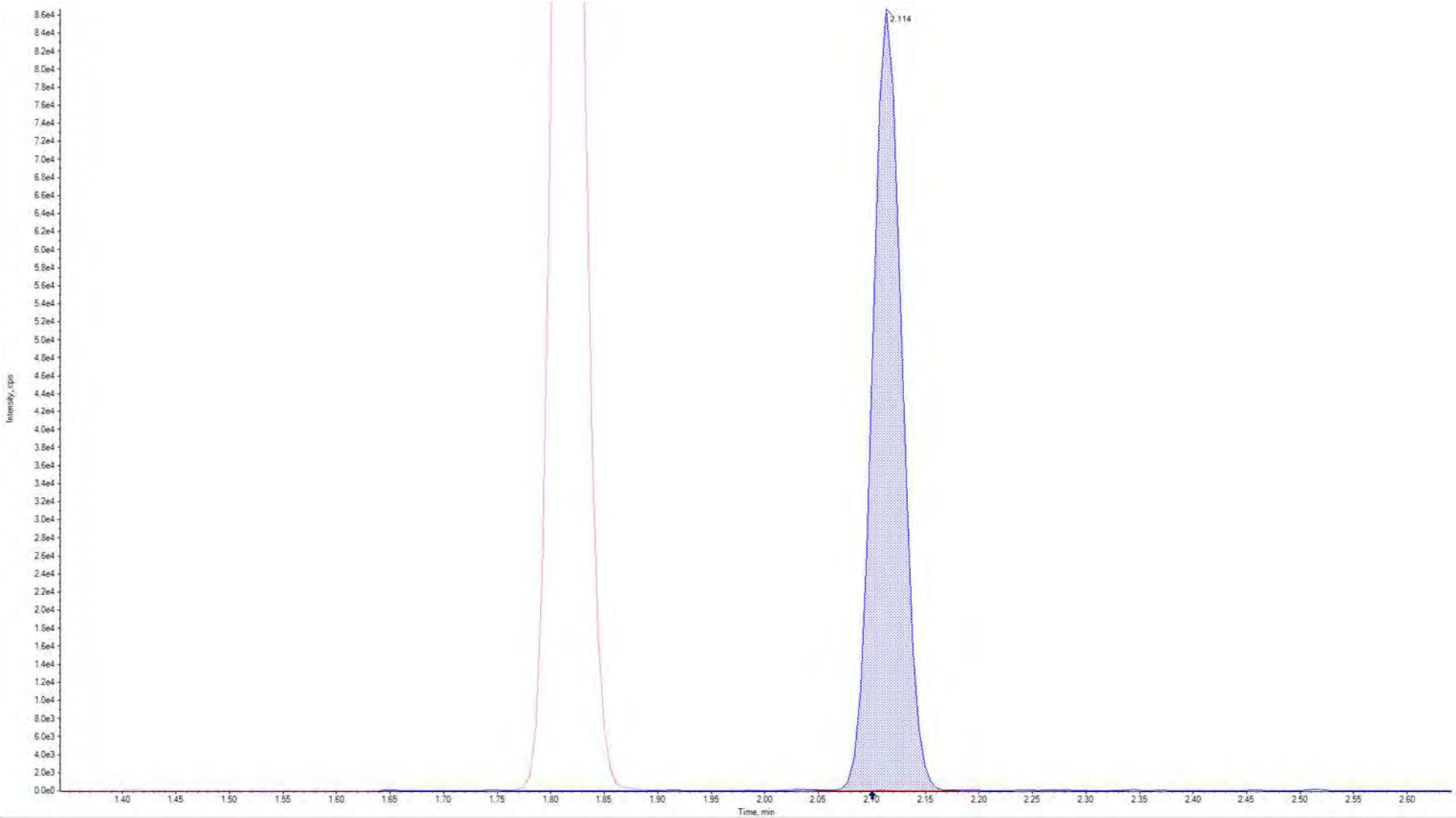
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFEESA
Sample: WG2012688-1,1633LOW S/N:1954.8 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/24/2024 7:52:08 AM
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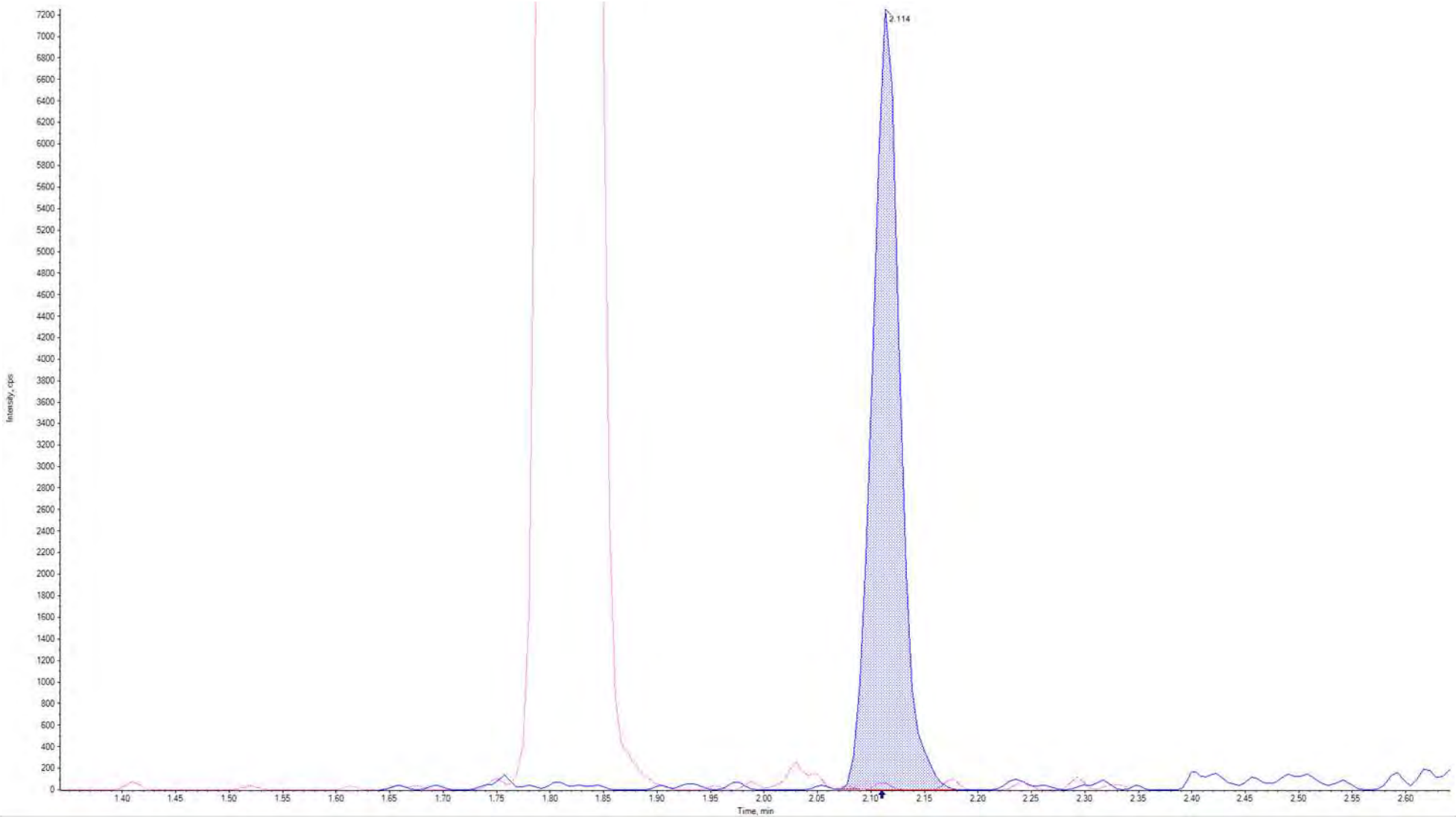
PFEESA_2
Sample: WG2012688-1,1633LOW S/N:163.6 Points Across peak:21



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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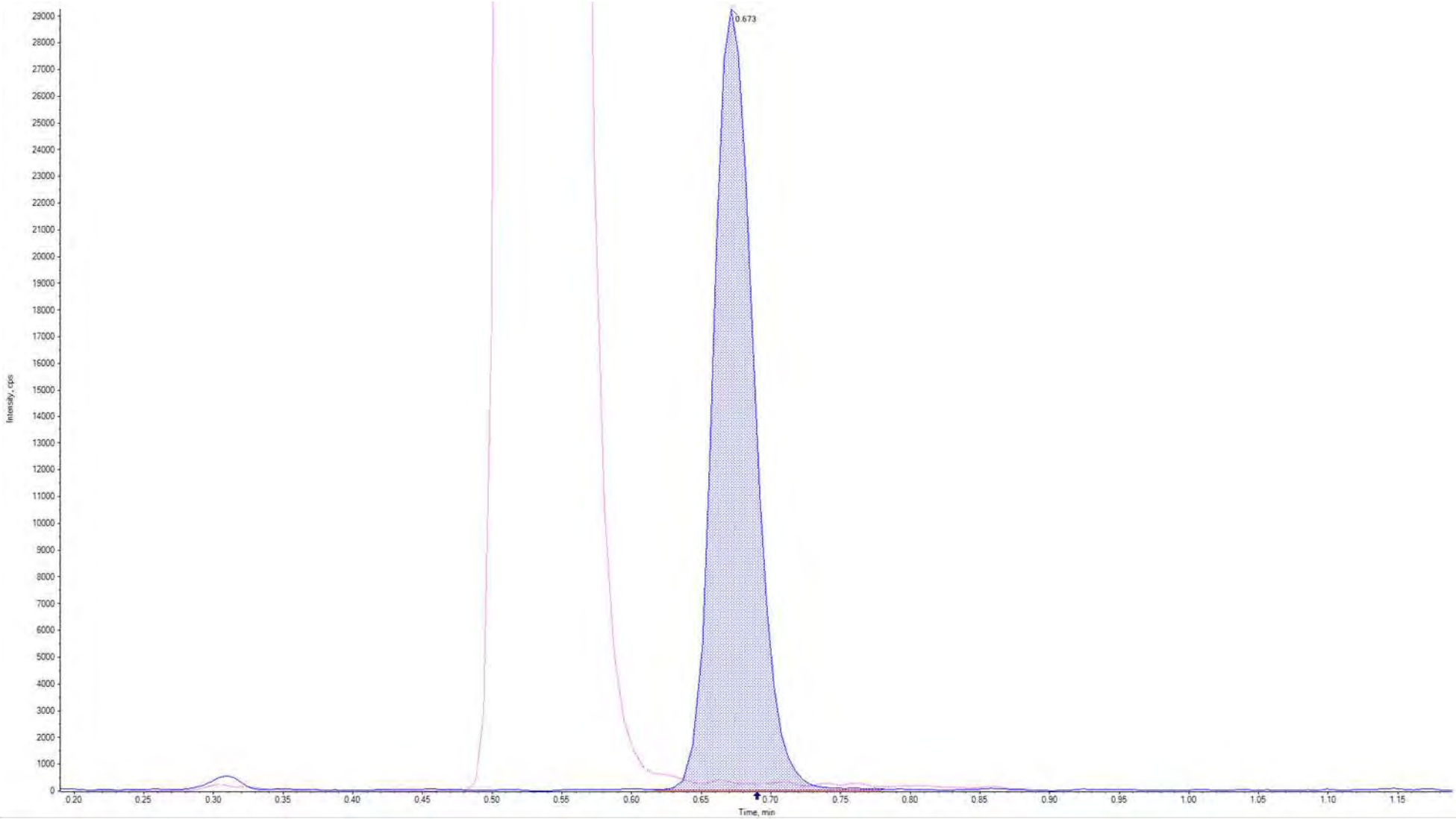
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFMPA
Sample: WG2012688-1,1633LOW S/N:2861.8 Points Across peak:32



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Alpha Analytical LLC
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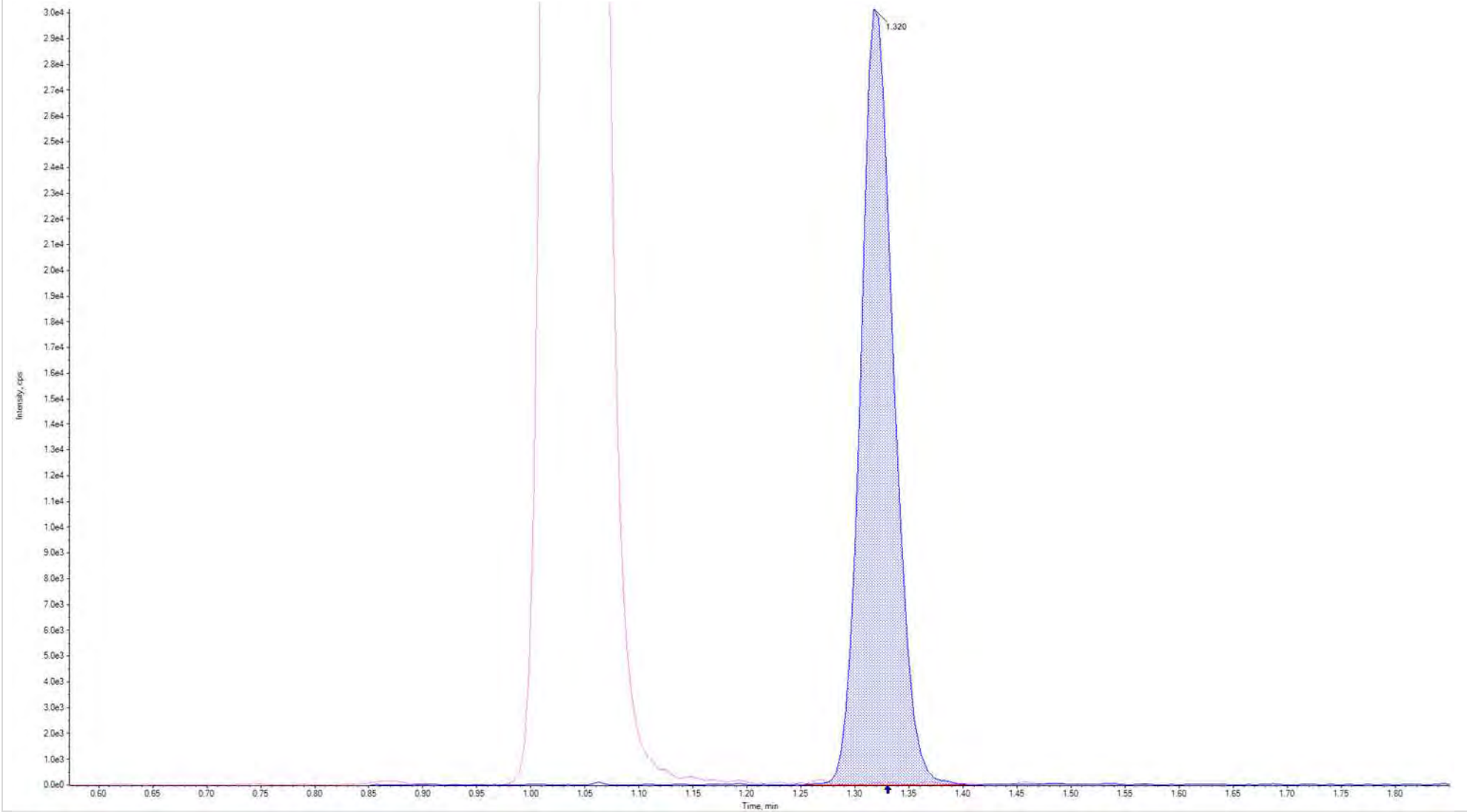
PFMBA
Sample: WG2012688-1,1633LOW S/N:1737.6 Points Across peak:33



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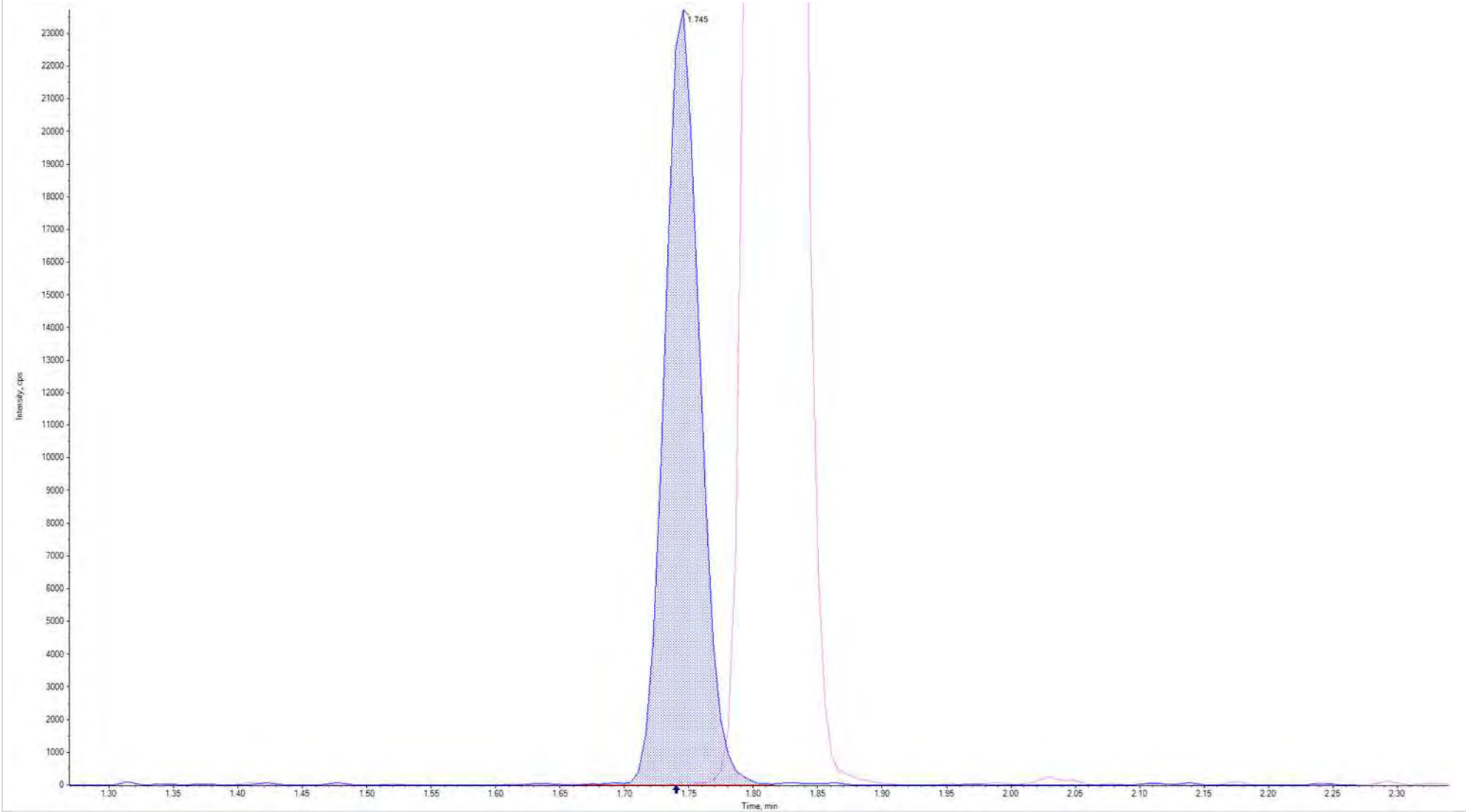
NFDHA
Sample: WG2012688-1,1633LOW S/N:654.0 Points Across peak:28



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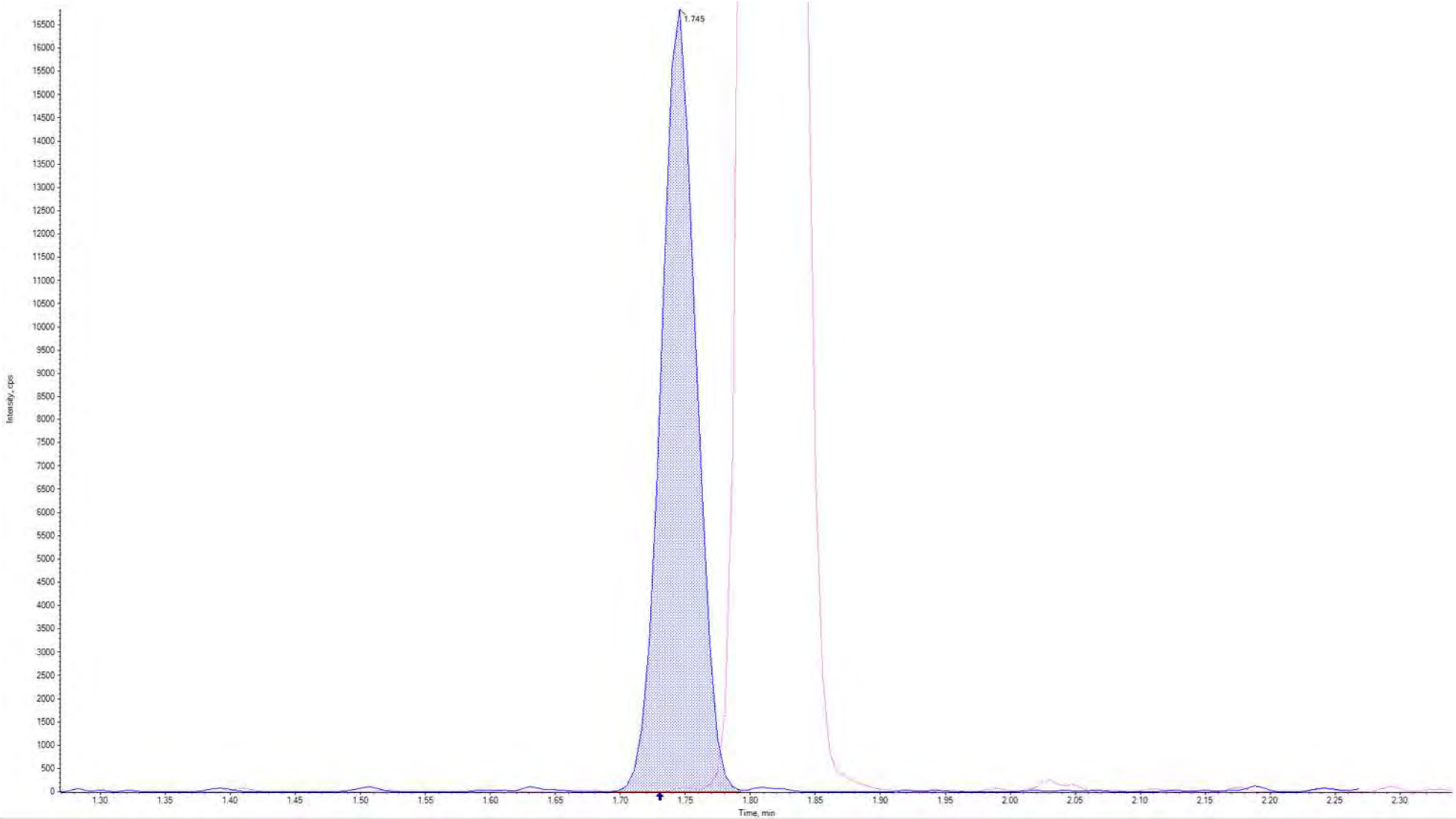
NFDHA_2
Sample: WG2012688-1,1633LOW S/N:464.2 Points Across peak:21



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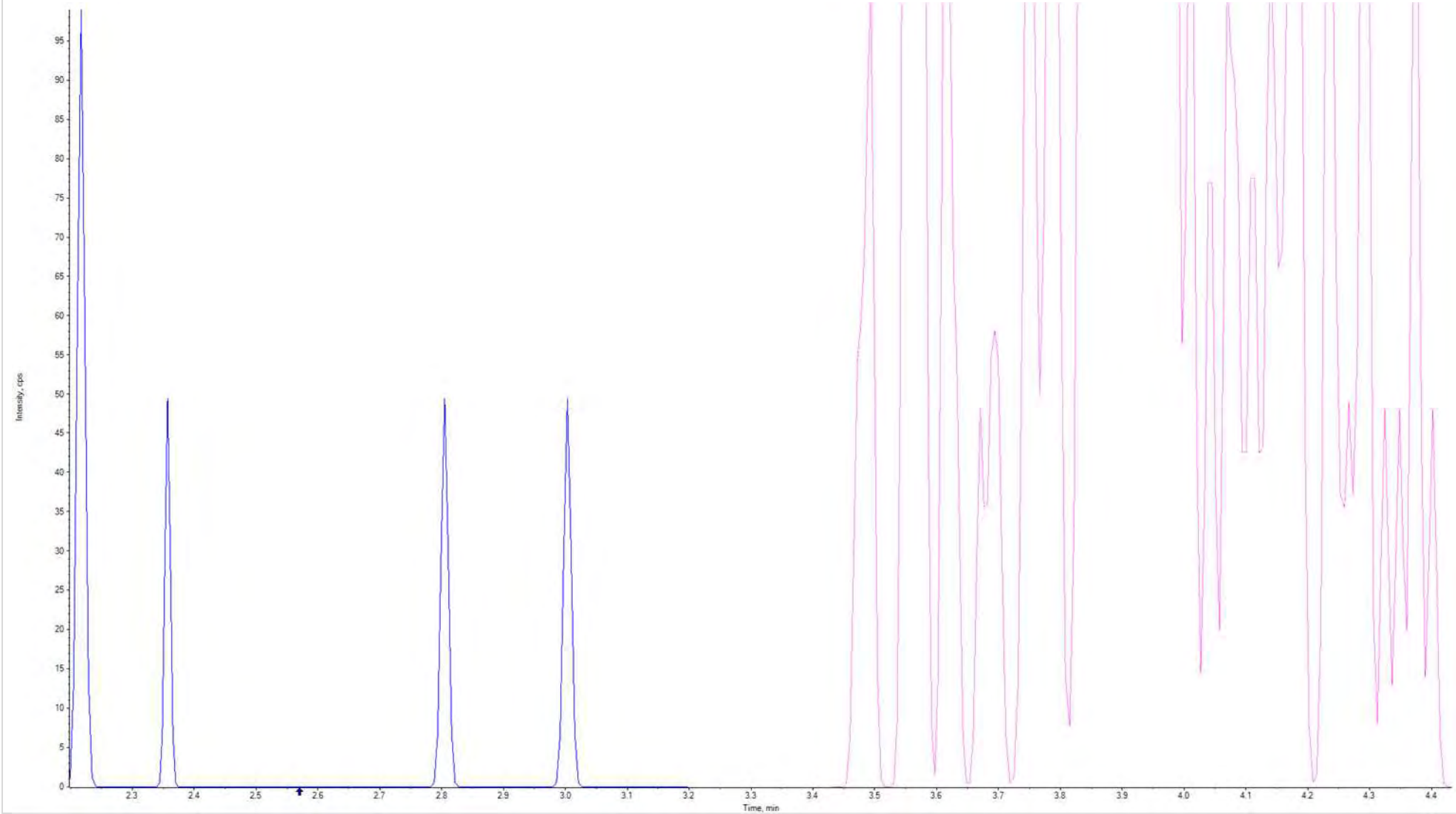
TDCA
Sample: WG2012688-1,1633LOW S/N:N/A Points Across peak:N/A



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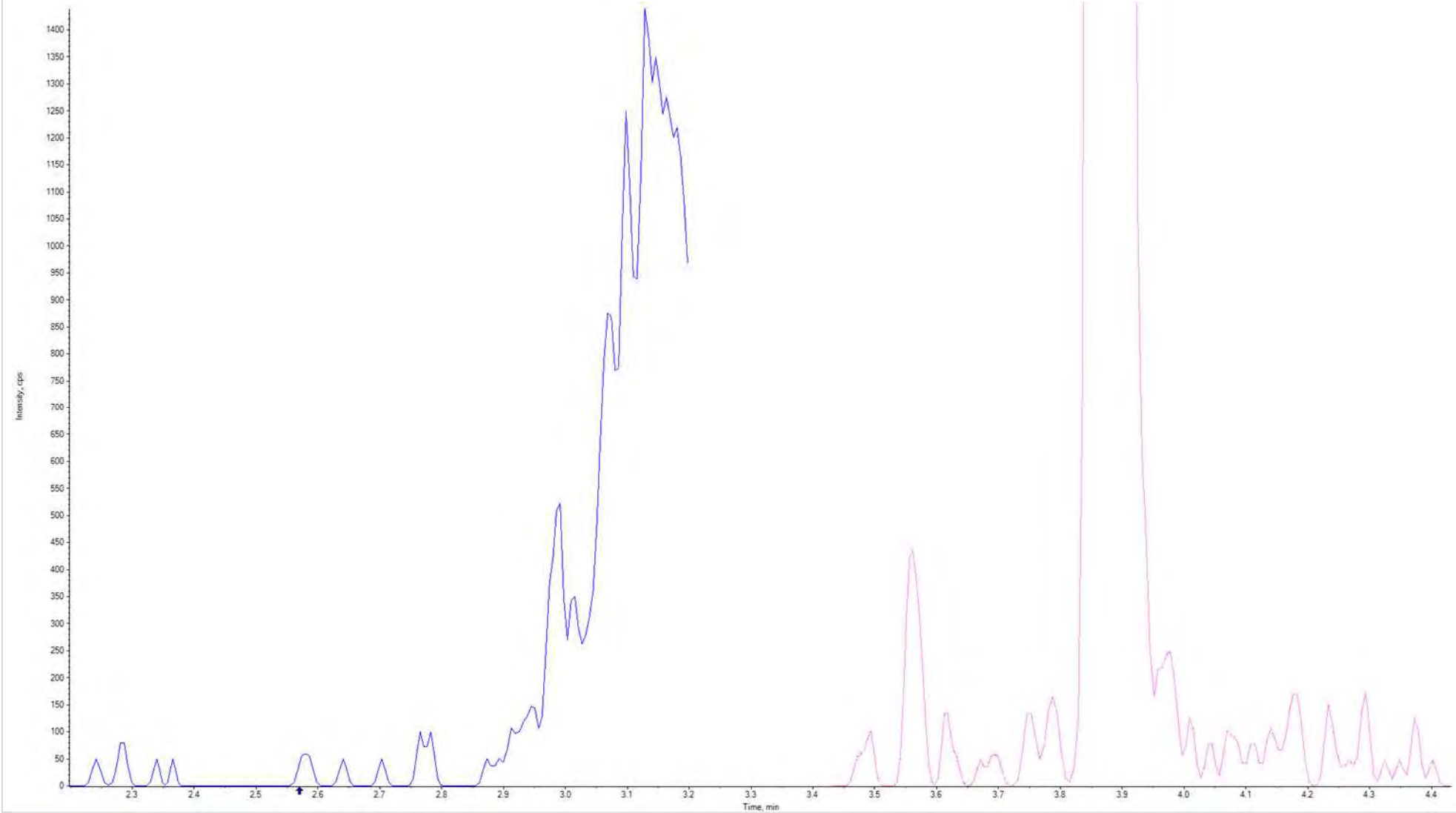
TDCA_2
Sample: WG2012688-1,1633LOW S/N:N/A Points Across peak:N/A



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Last Altered: 12/24/2024 7:52:08 AM
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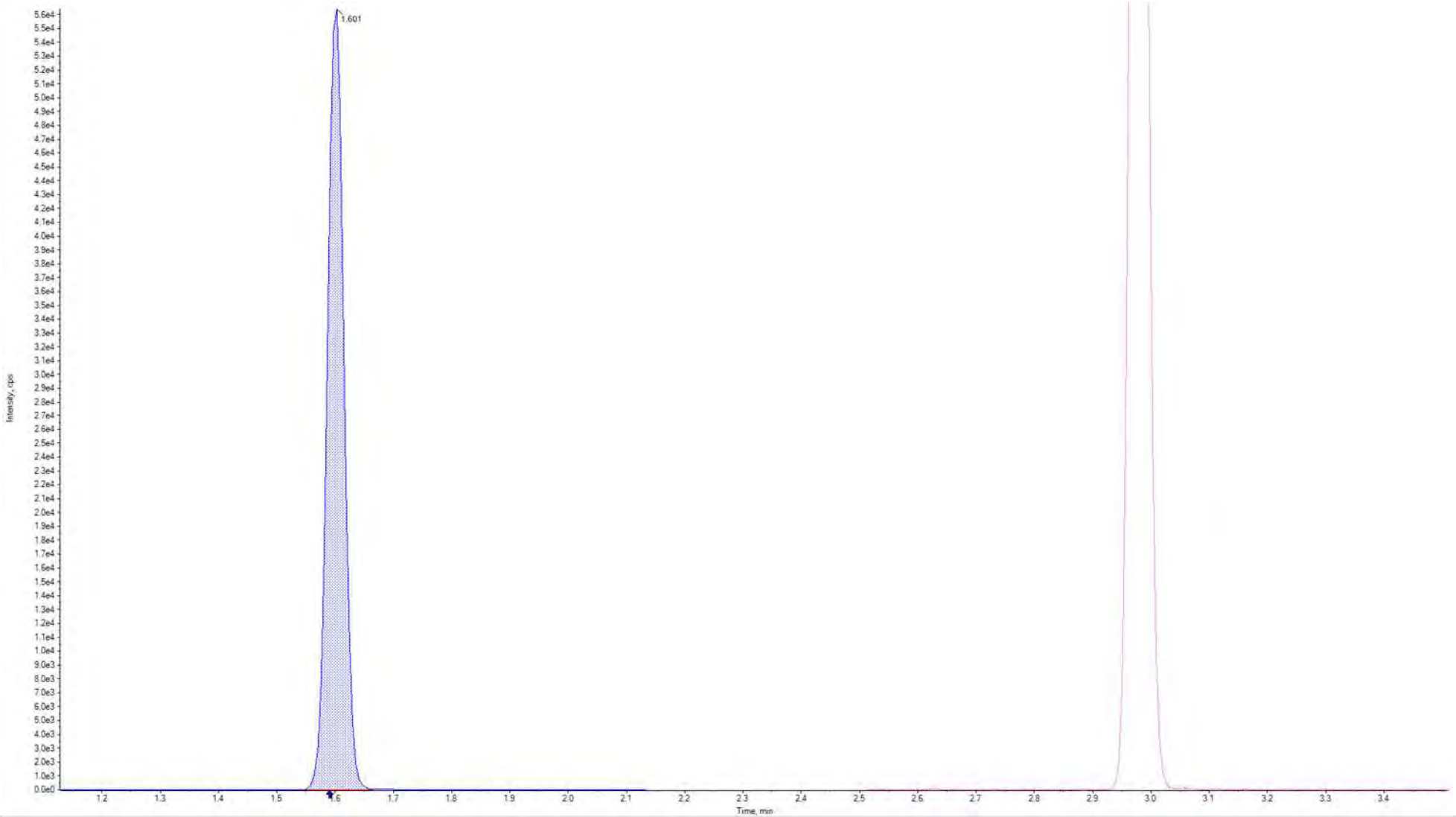
13C2D4-4:2FTS
Sample: WG2012688-1,1633LOW S/N:2120.3 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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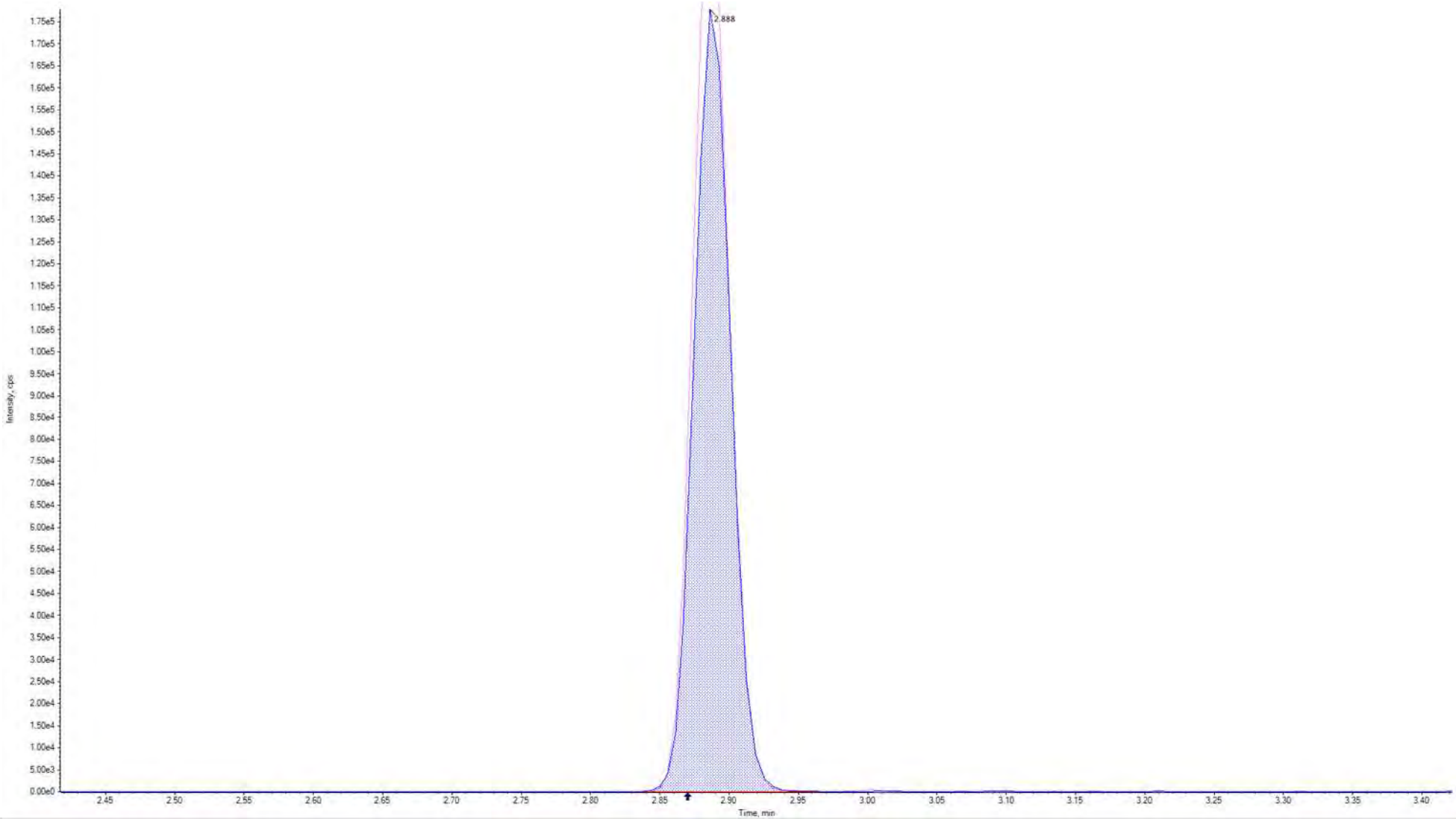
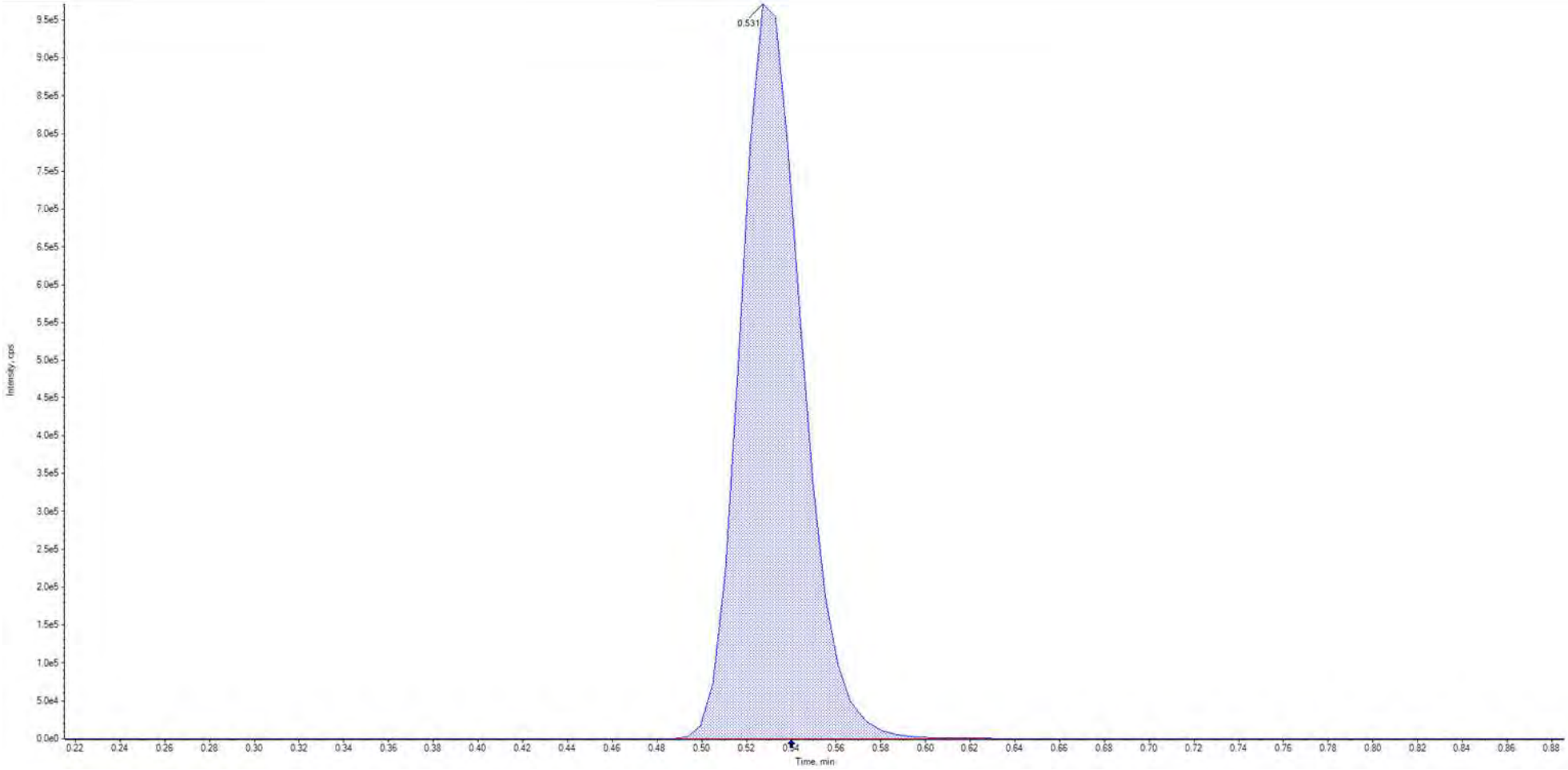
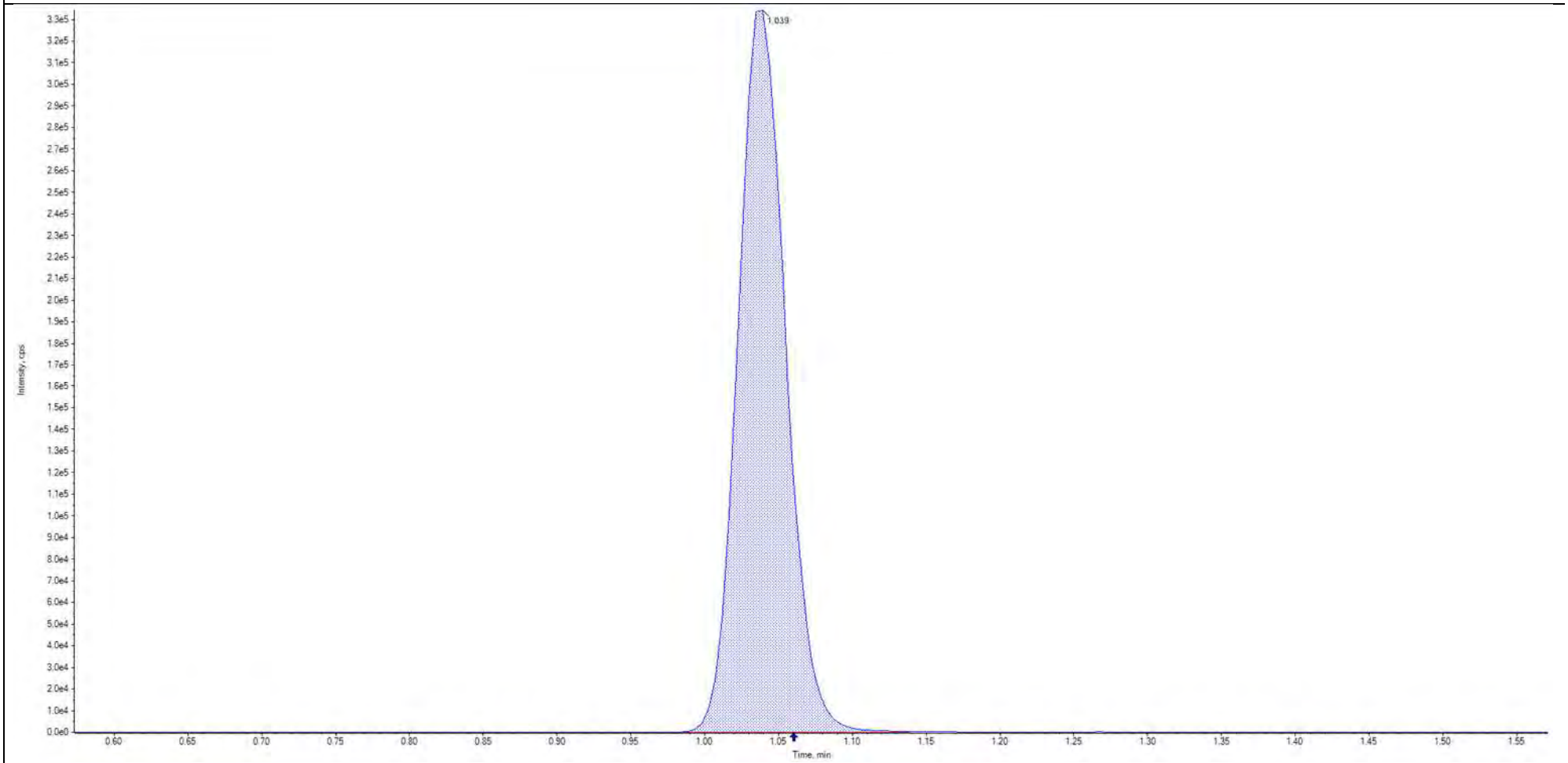
13C2-PFOA
Sample: WG2012688-1,1633LOW S/N:4013.0 Points Across peak:28



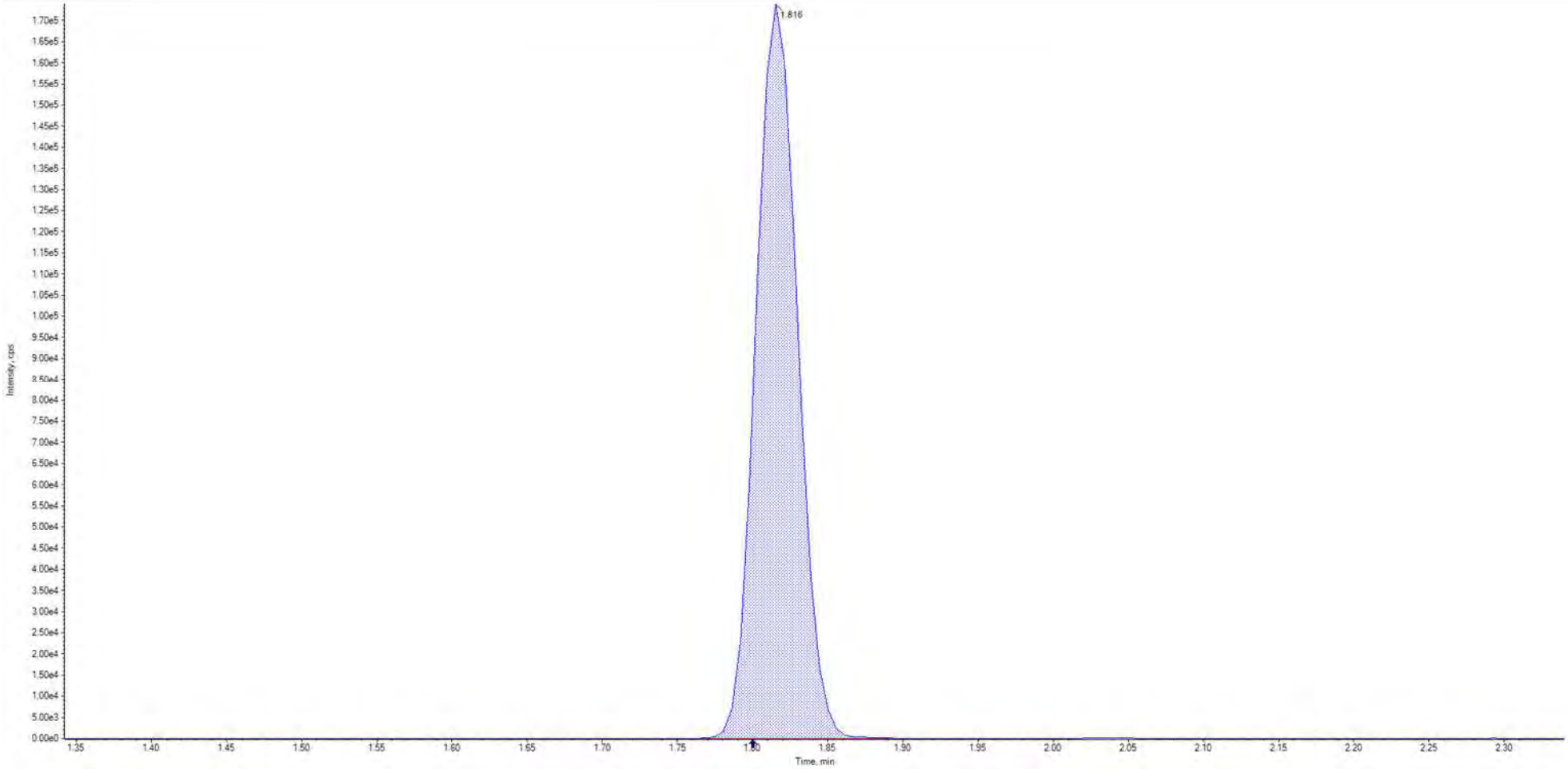
13C4-PFBA
Sample: WG2012688-1,1633LOW



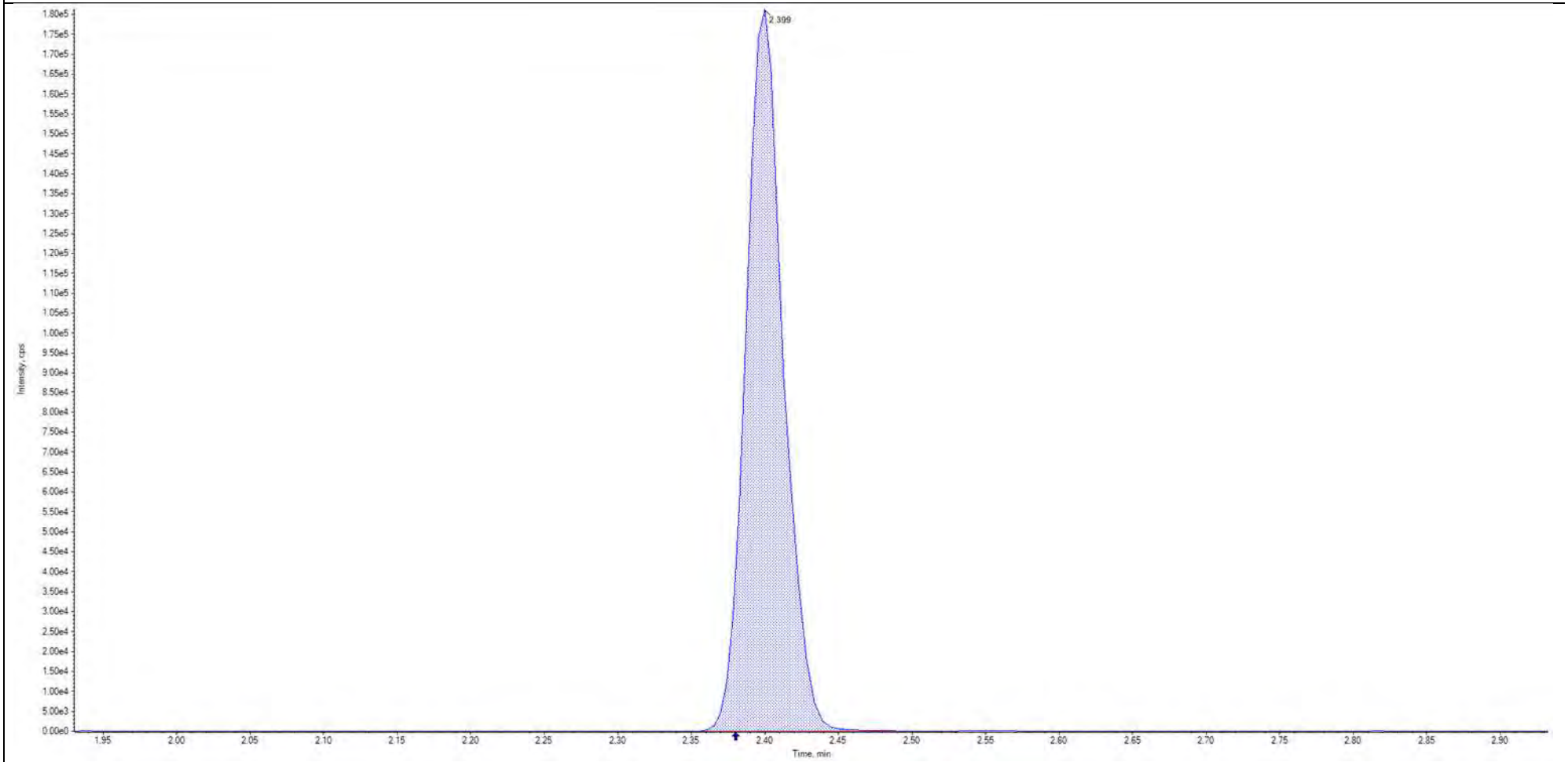
13C5-PFPeA
Sample: WG2012688-1,1633LOW



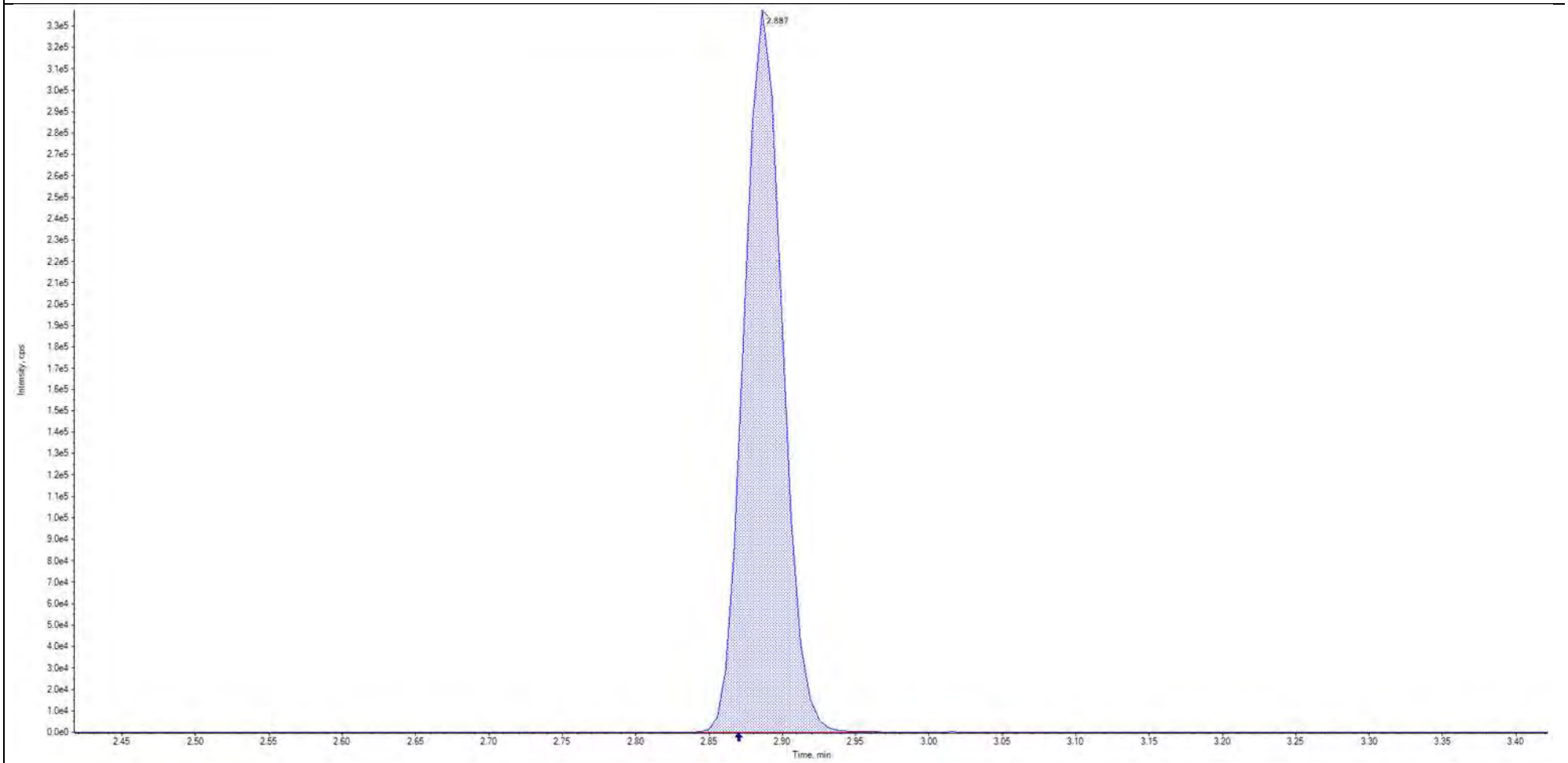
13C5-PFHxA
Sample: WG2012688-1,1633LOW



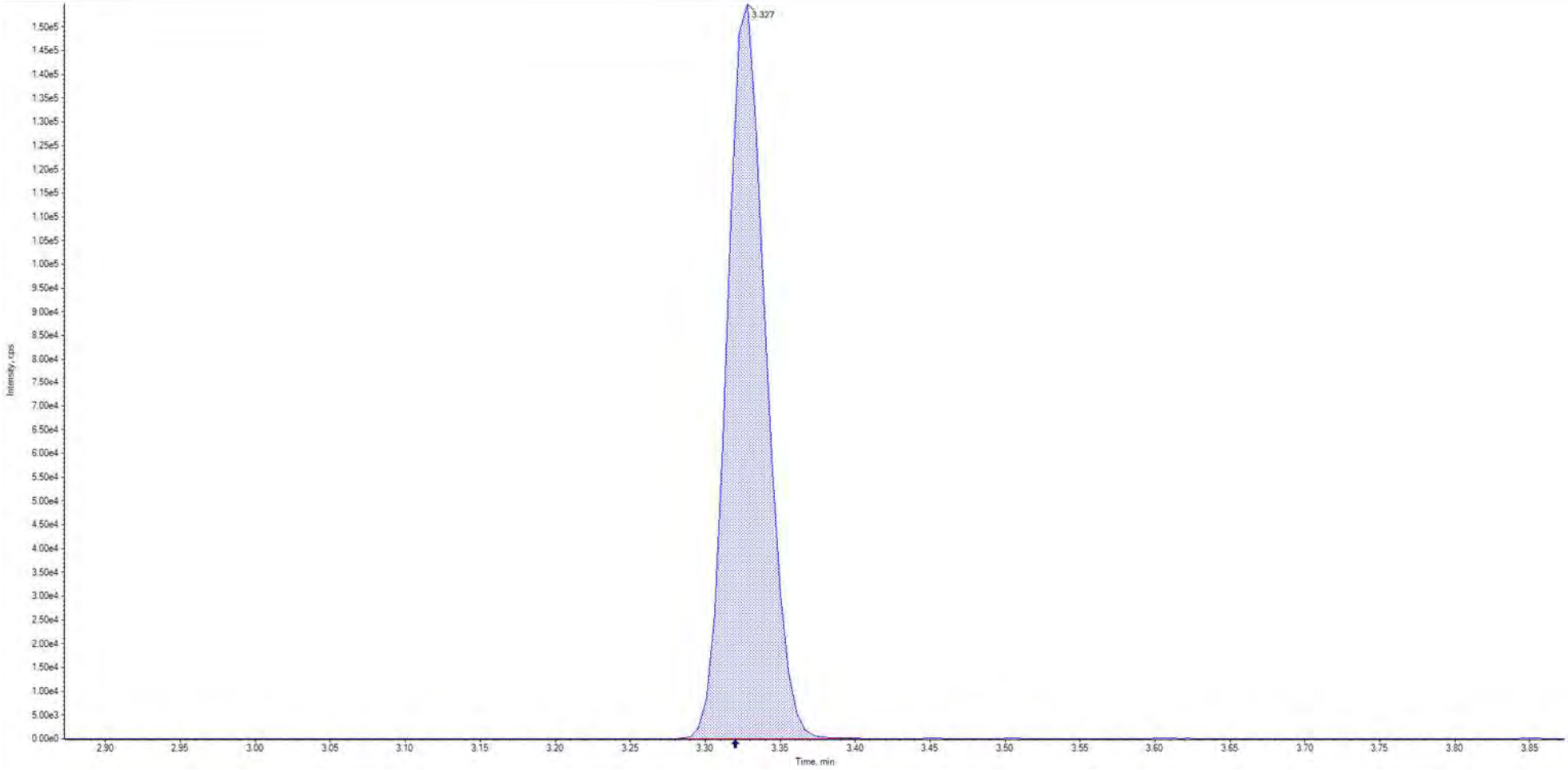
13C4-PFHpA
Sample: WG2012688-1,1633LOW



13C8-PFOA
Sample: WG2012688-1,1633LOW



13C9-PFNA
Sample: WG2012688-1,1633LOW



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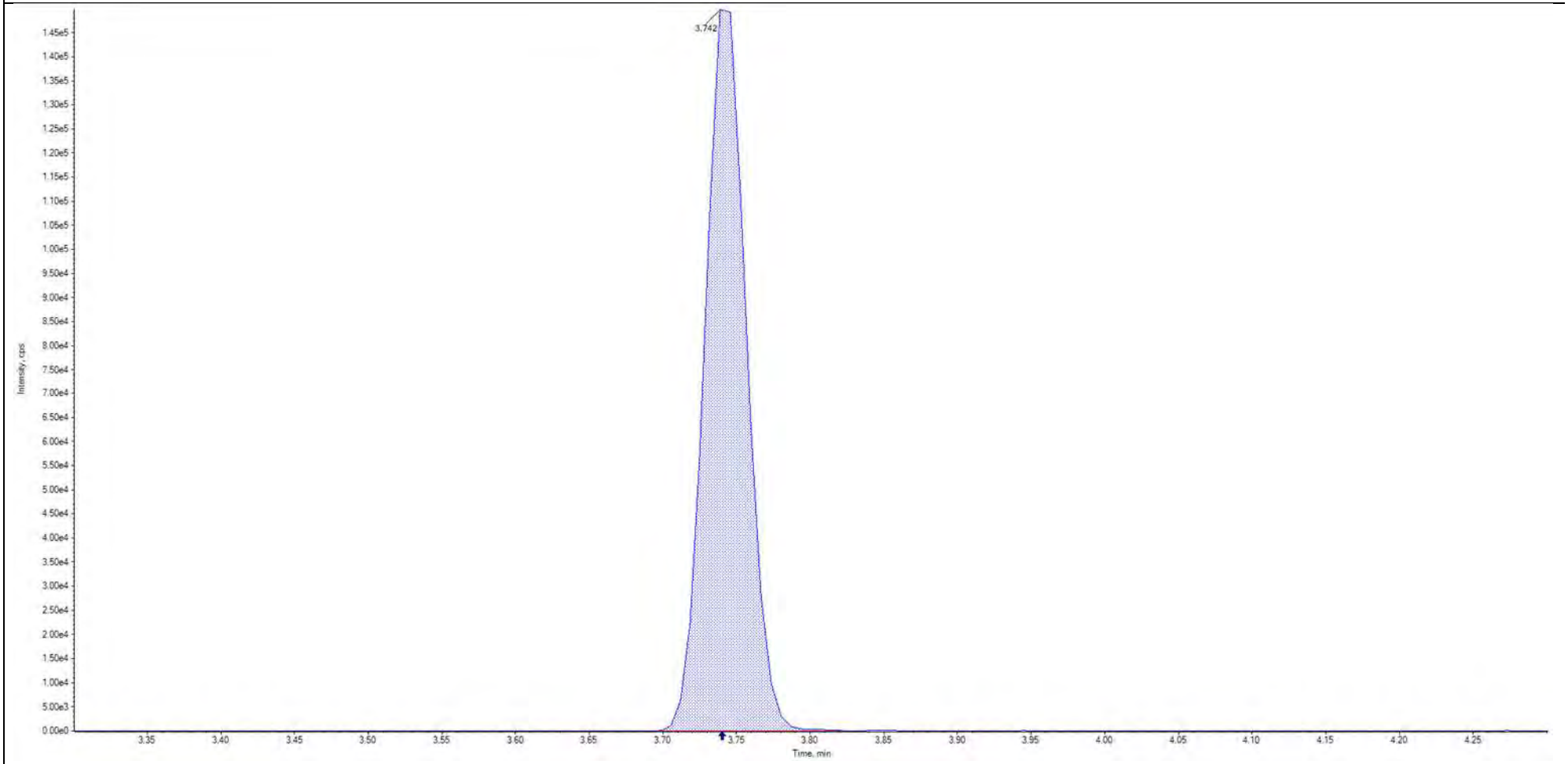
13C6-PFDA
Sample: WG2012688-1,1633LOW



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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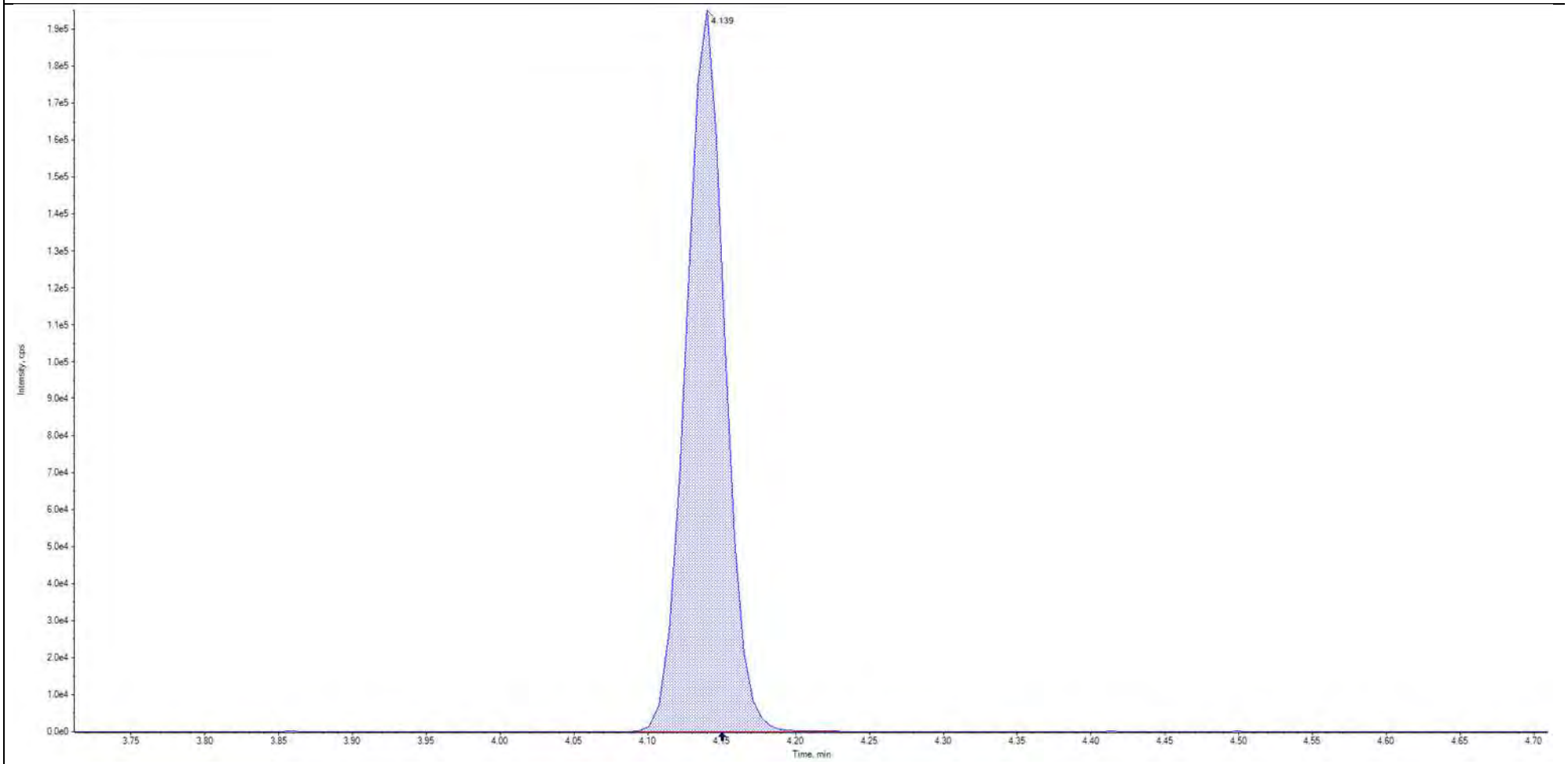
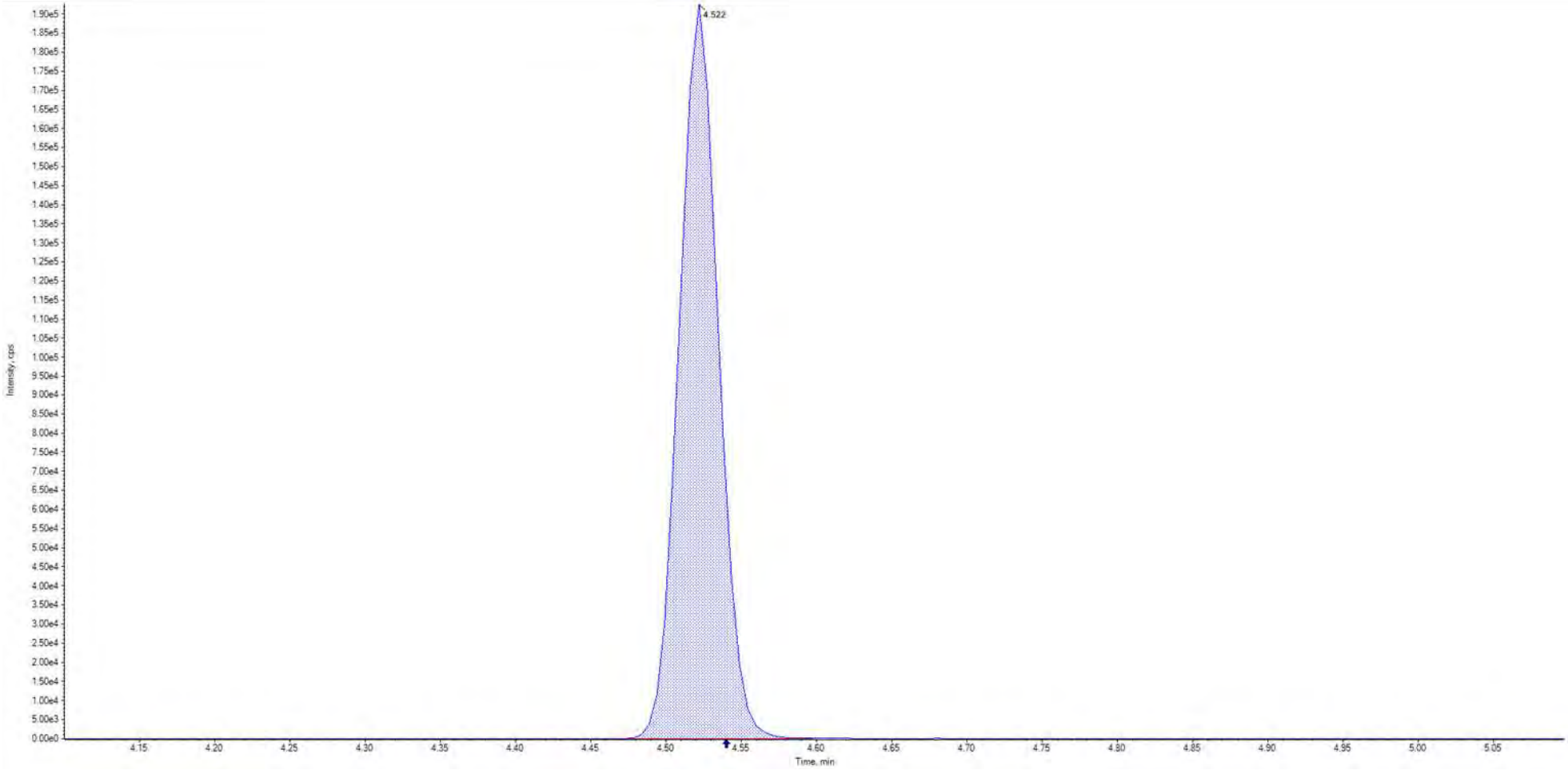
13C7-PFUnA
Sample: WG2012688-1,1633LOW



13C2-PFDoA
Sample: WG2012688-1,1633LOW



13C2-PFTeDA
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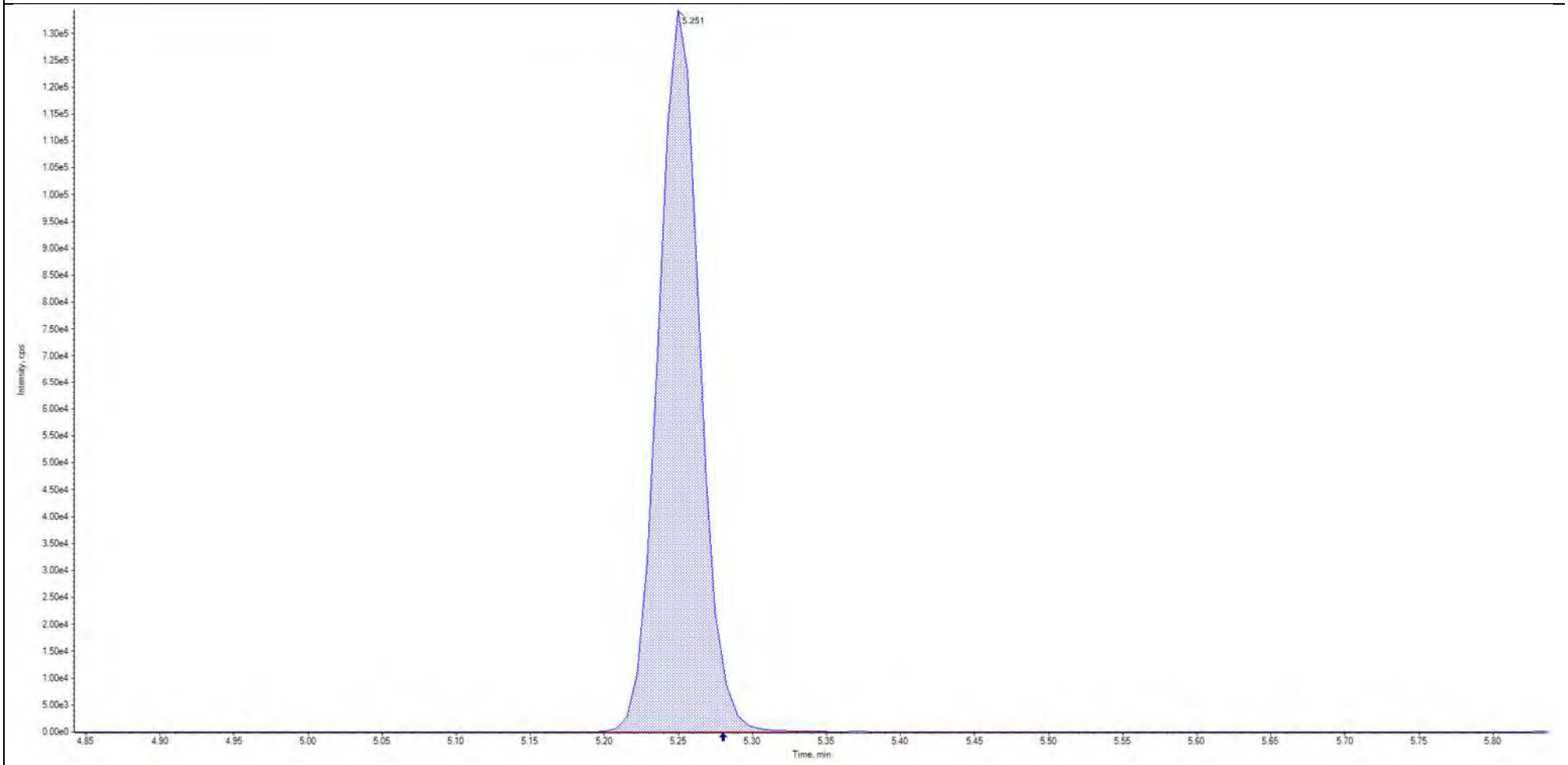
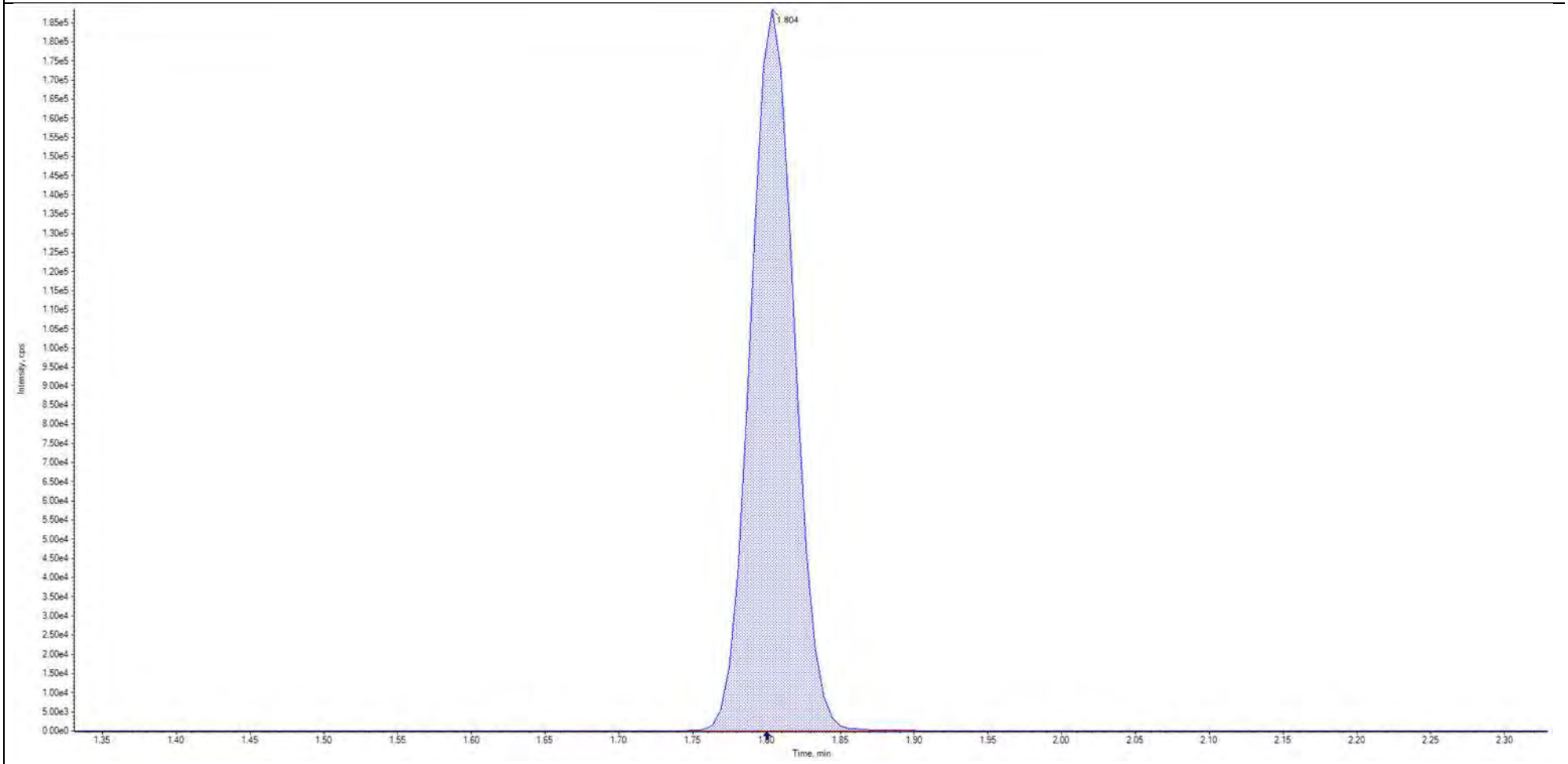


13C3-PFBS
Sample: WG2012688-1,1633LOW



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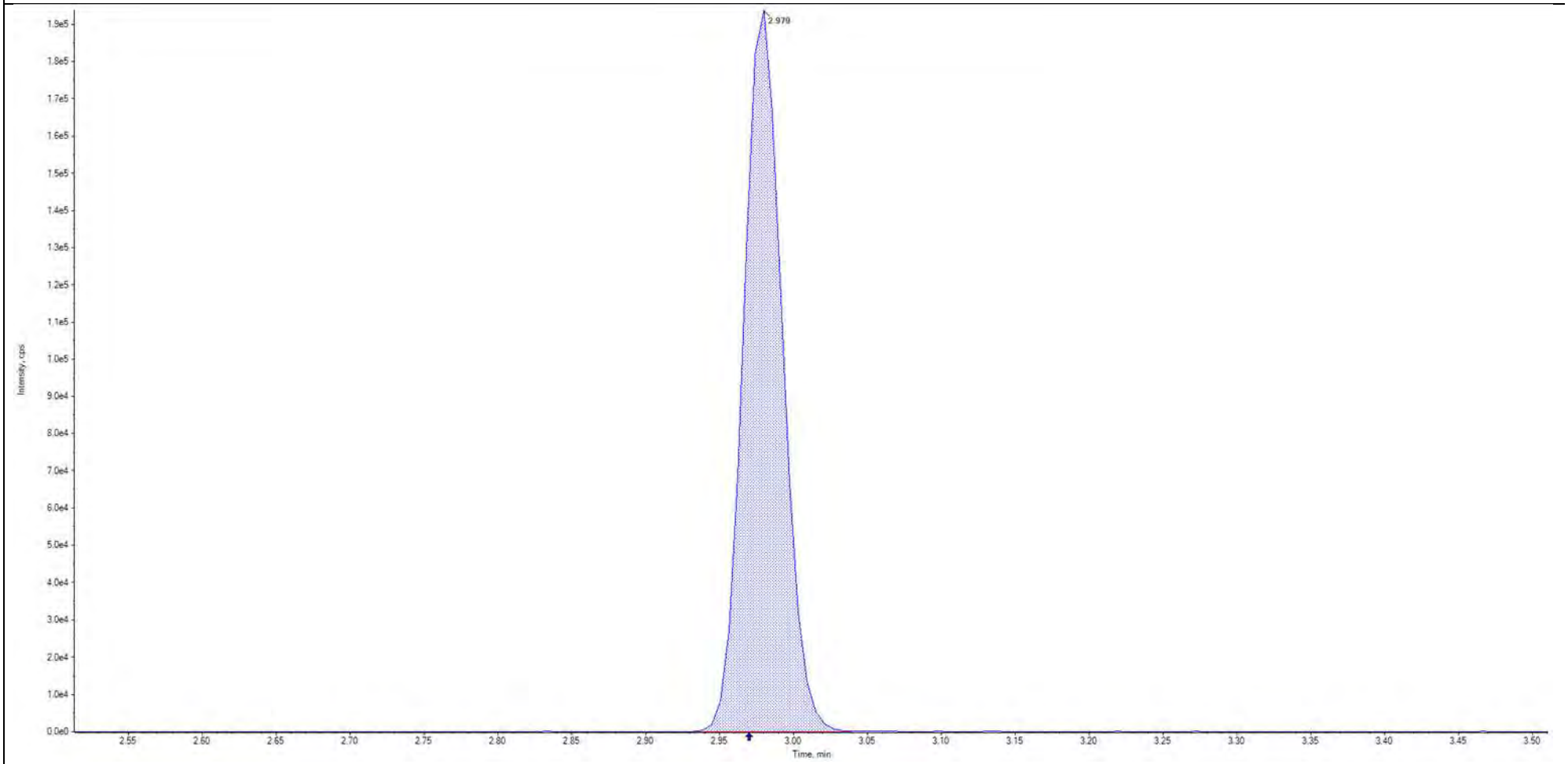
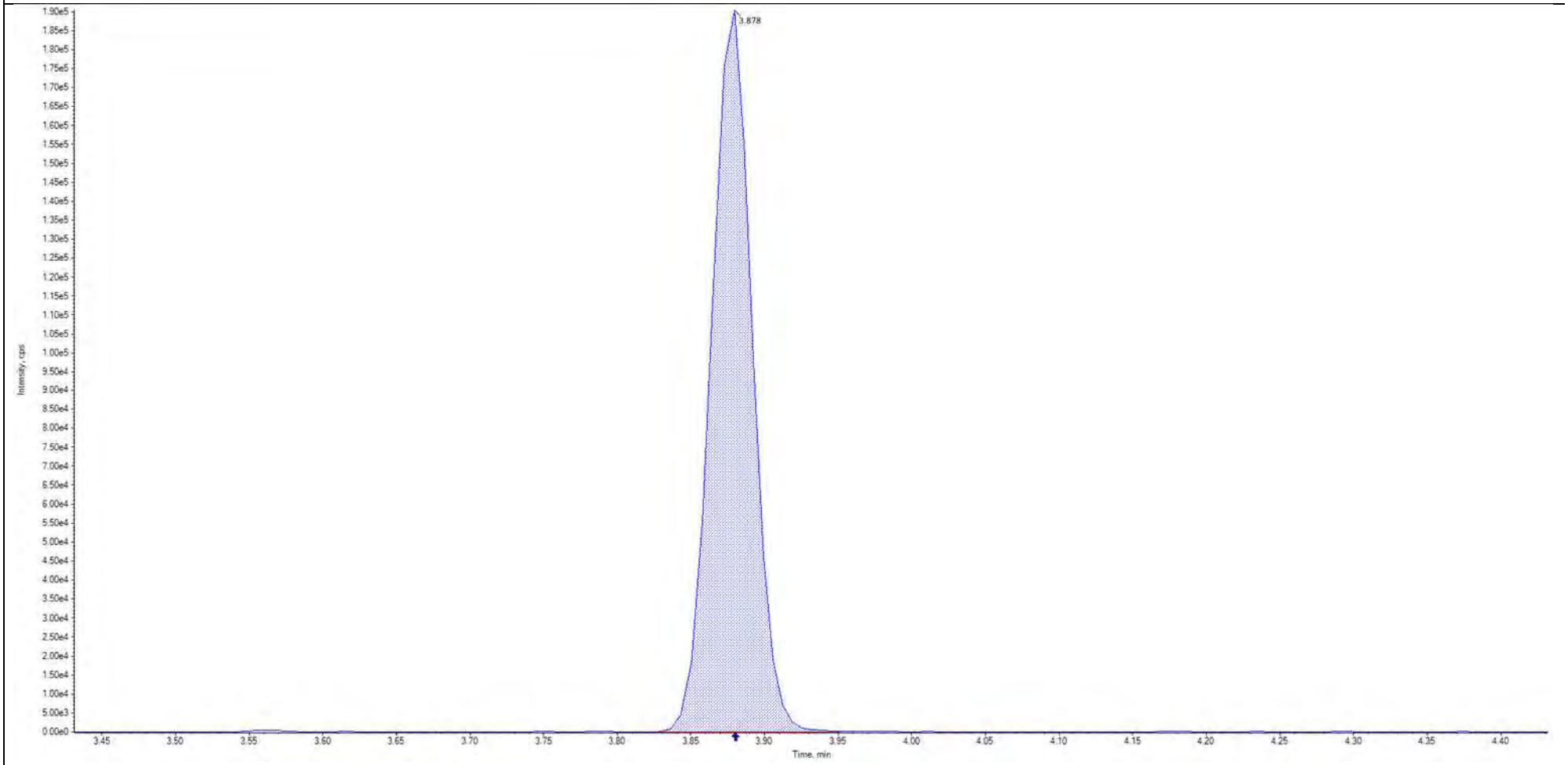
13C3-PFHxS
Sample: WG2012688-1,1633LOW



13C8-PFOS
Sample: WG2012688-1,1633LOW



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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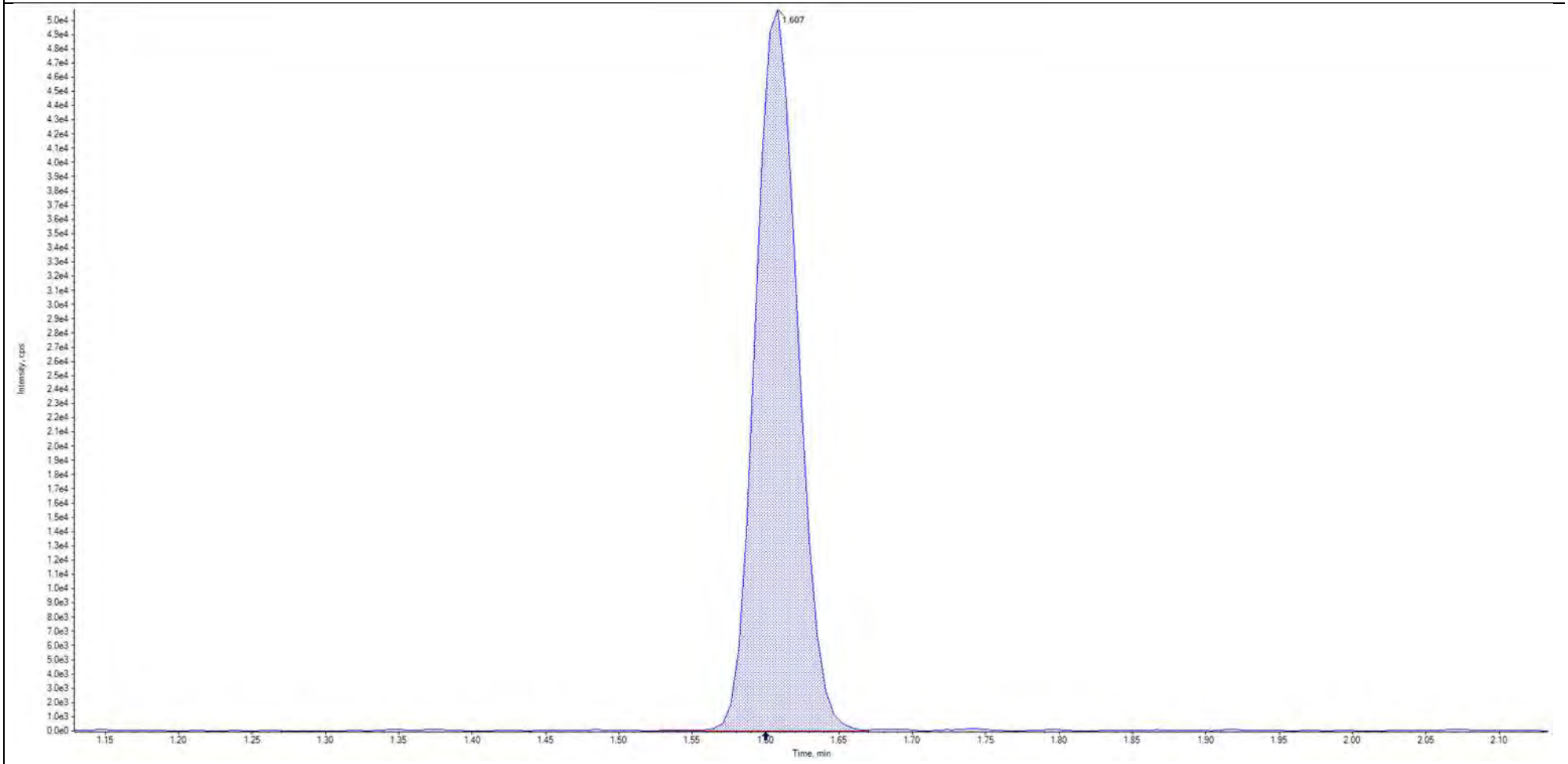
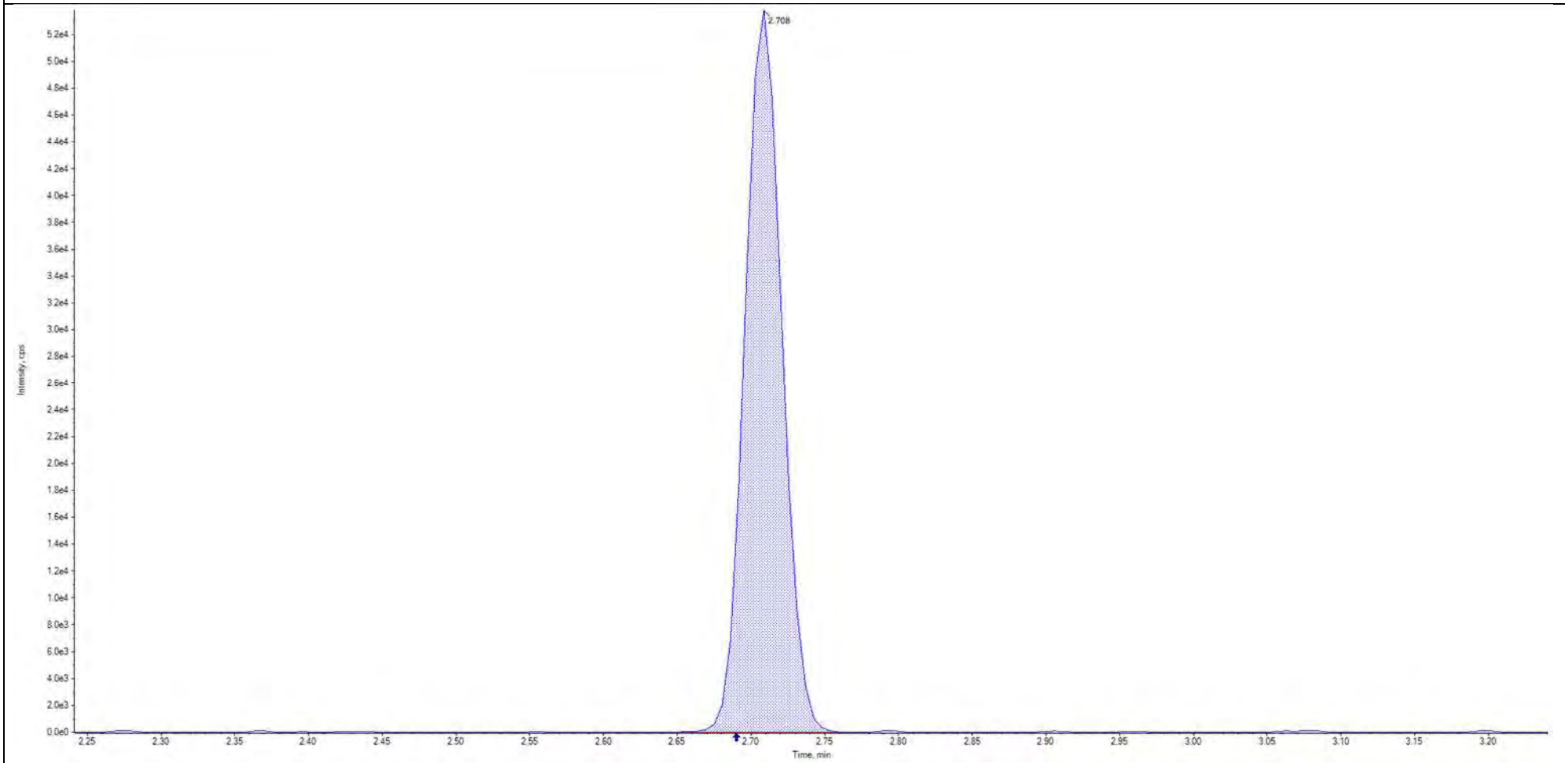
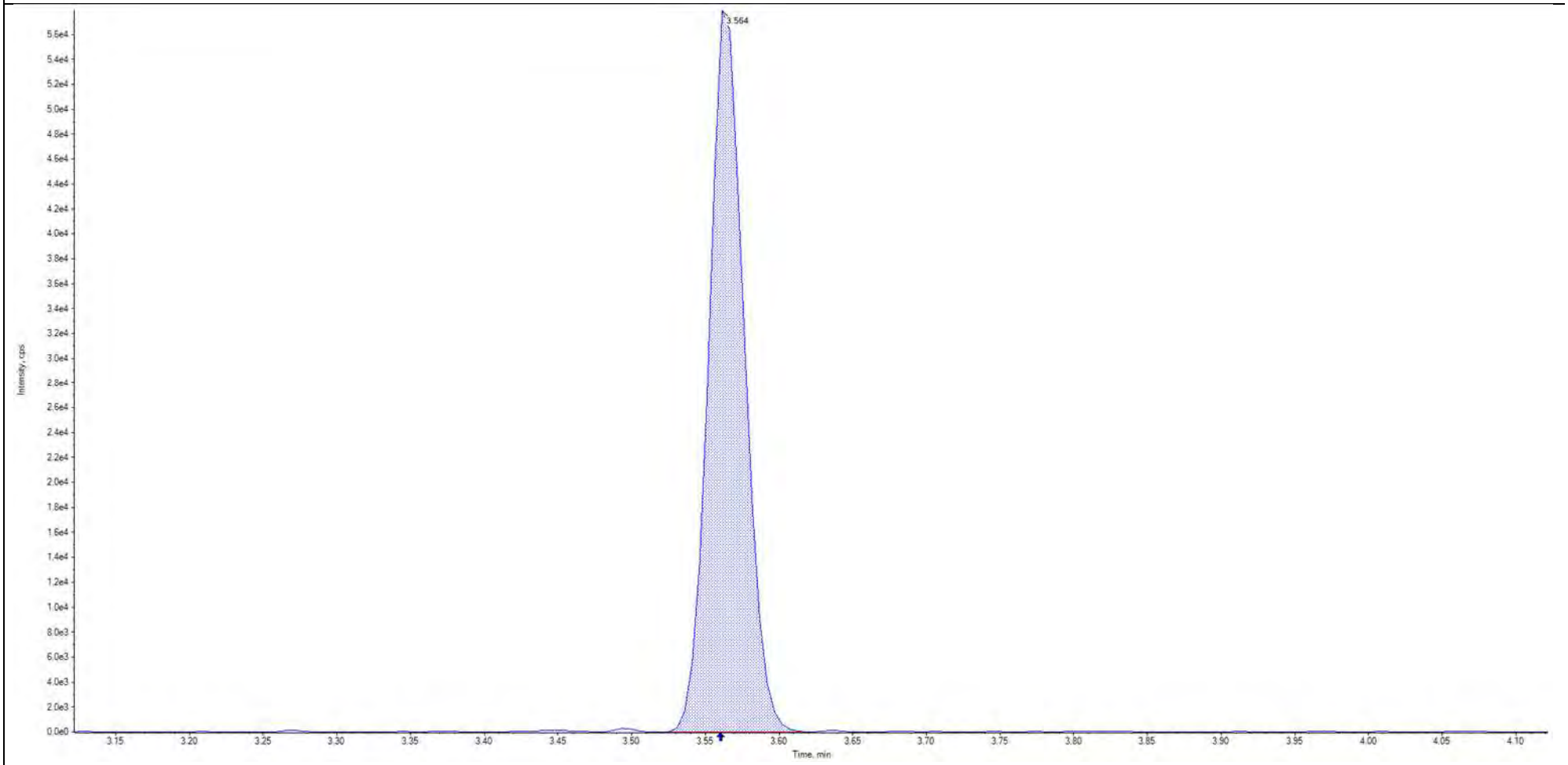
13C2-4:2FTS
Sample: WG2012688-1,1633LOW



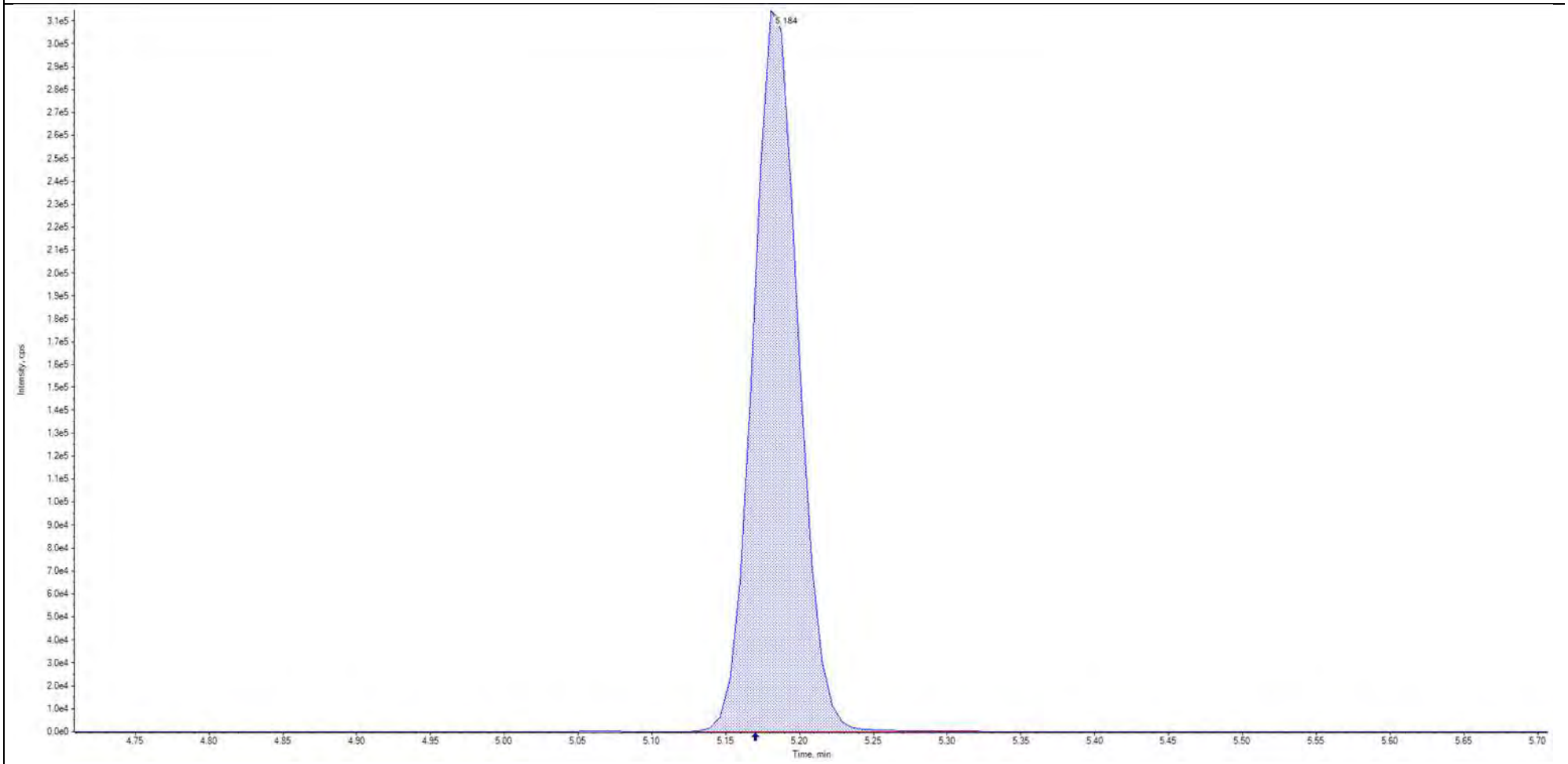
13C2-6:2FTS
Sample: WG2012688-1,1633LOW



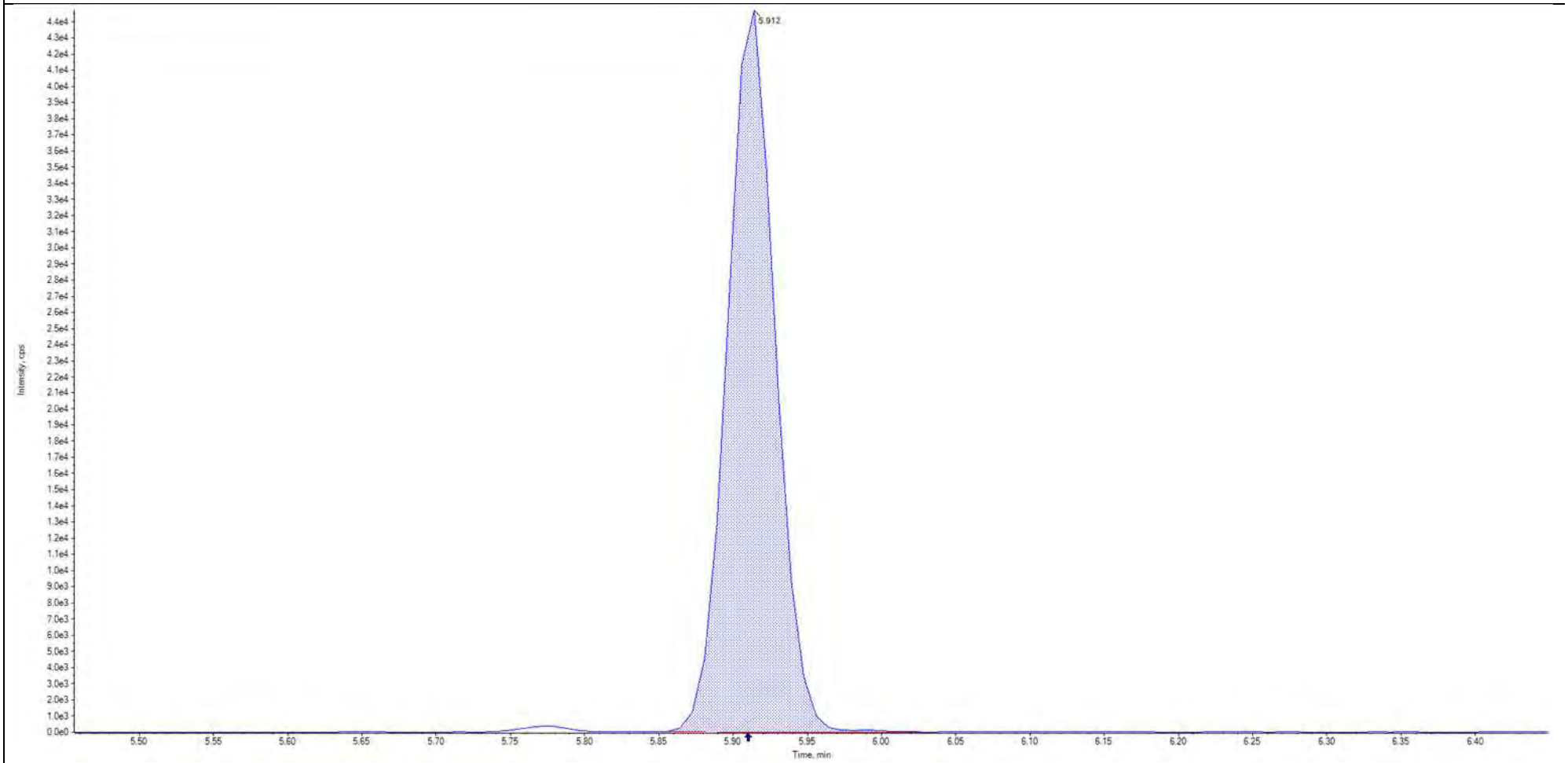
13C2-8:2FTS
Sample: WG2012688-1,1633LOW



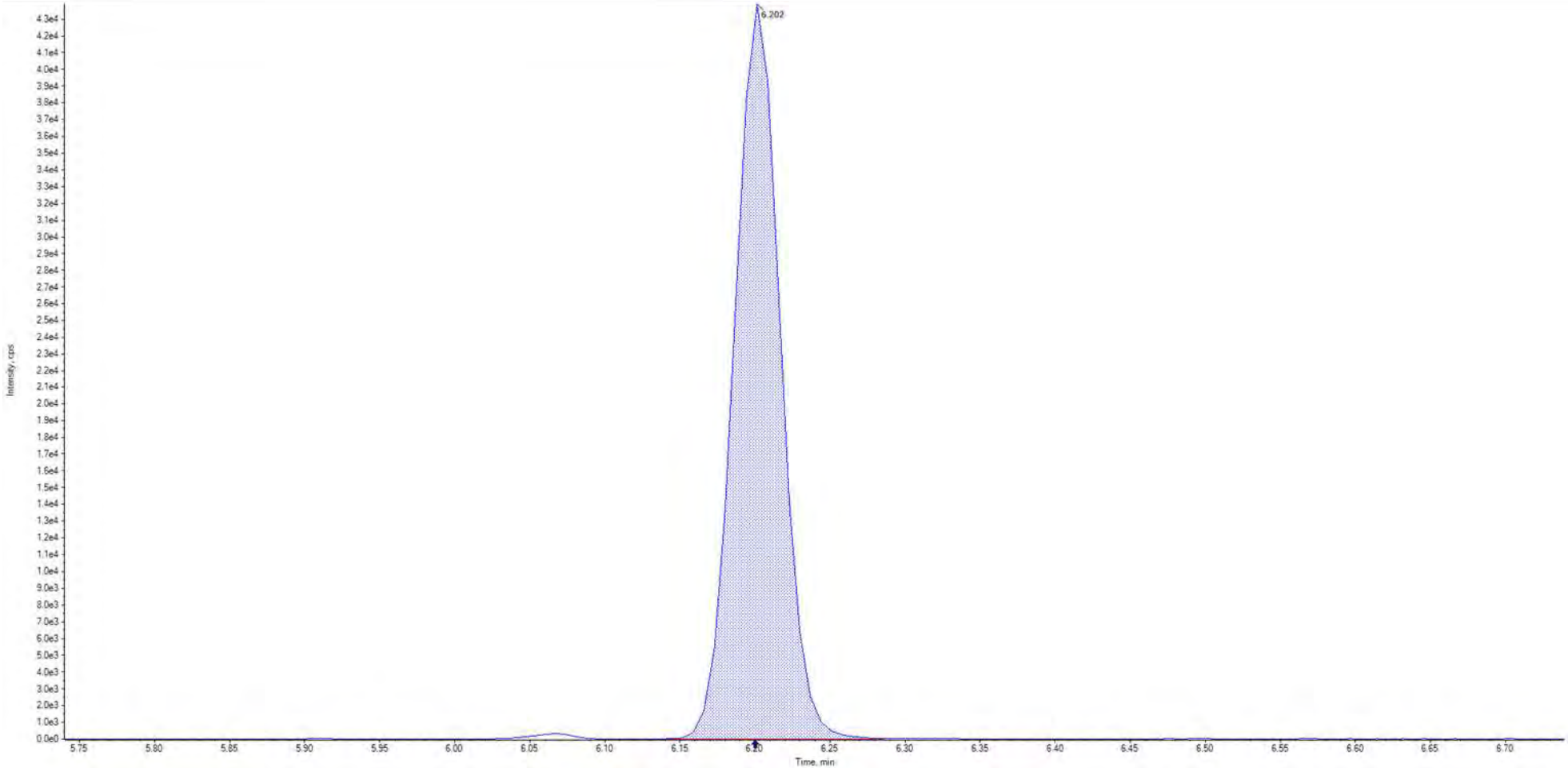
13C8-PFOSA
Sample: WG2012688-1,1633LOW



d3-NMeFOSA
Sample: WG2012688-1,1633LOW



d5-NEtFOSA
Sample: WG2012688-1,1633LOW



d3-NMeFOSAA
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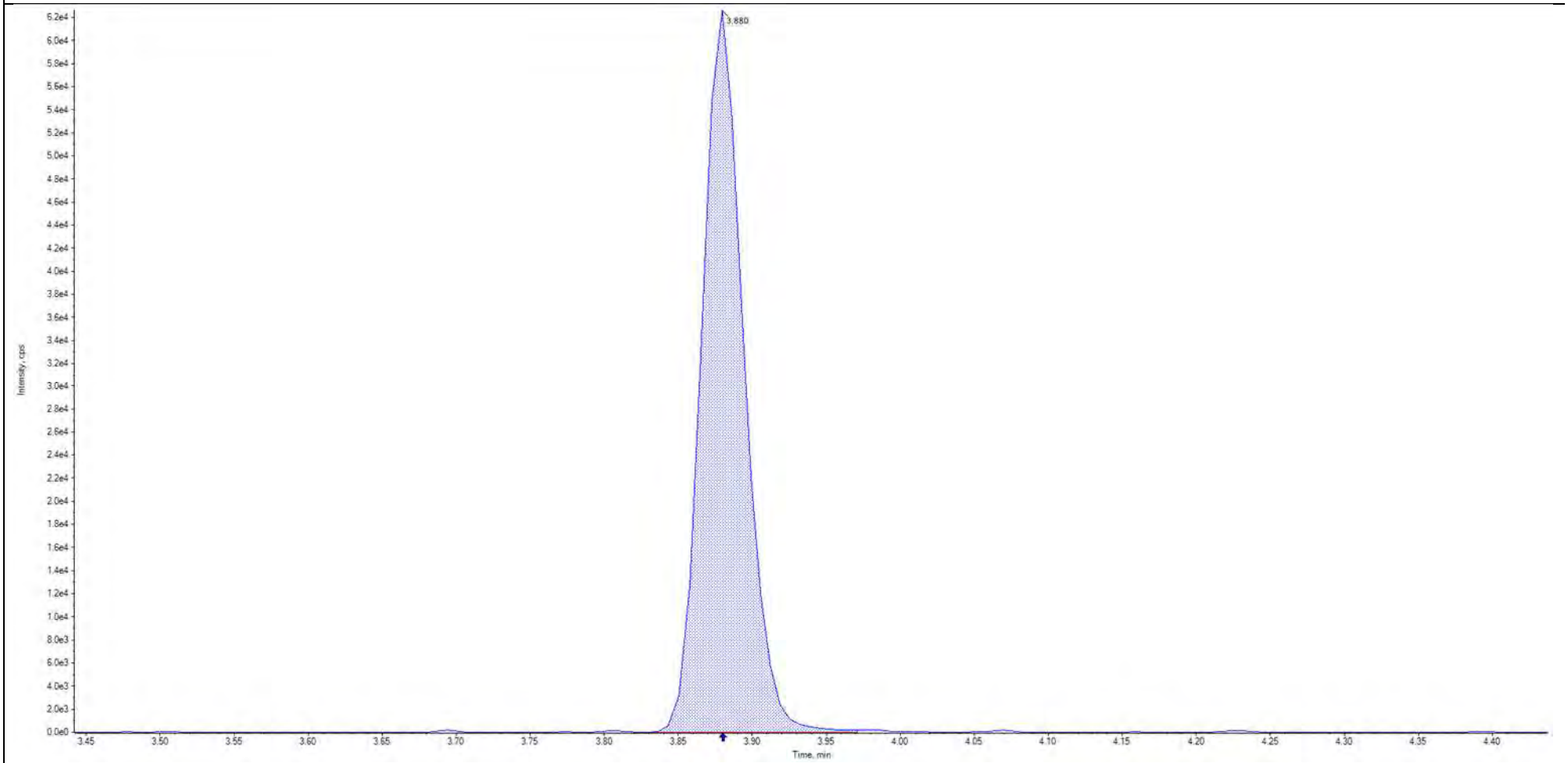

d5-NEtFOSAA
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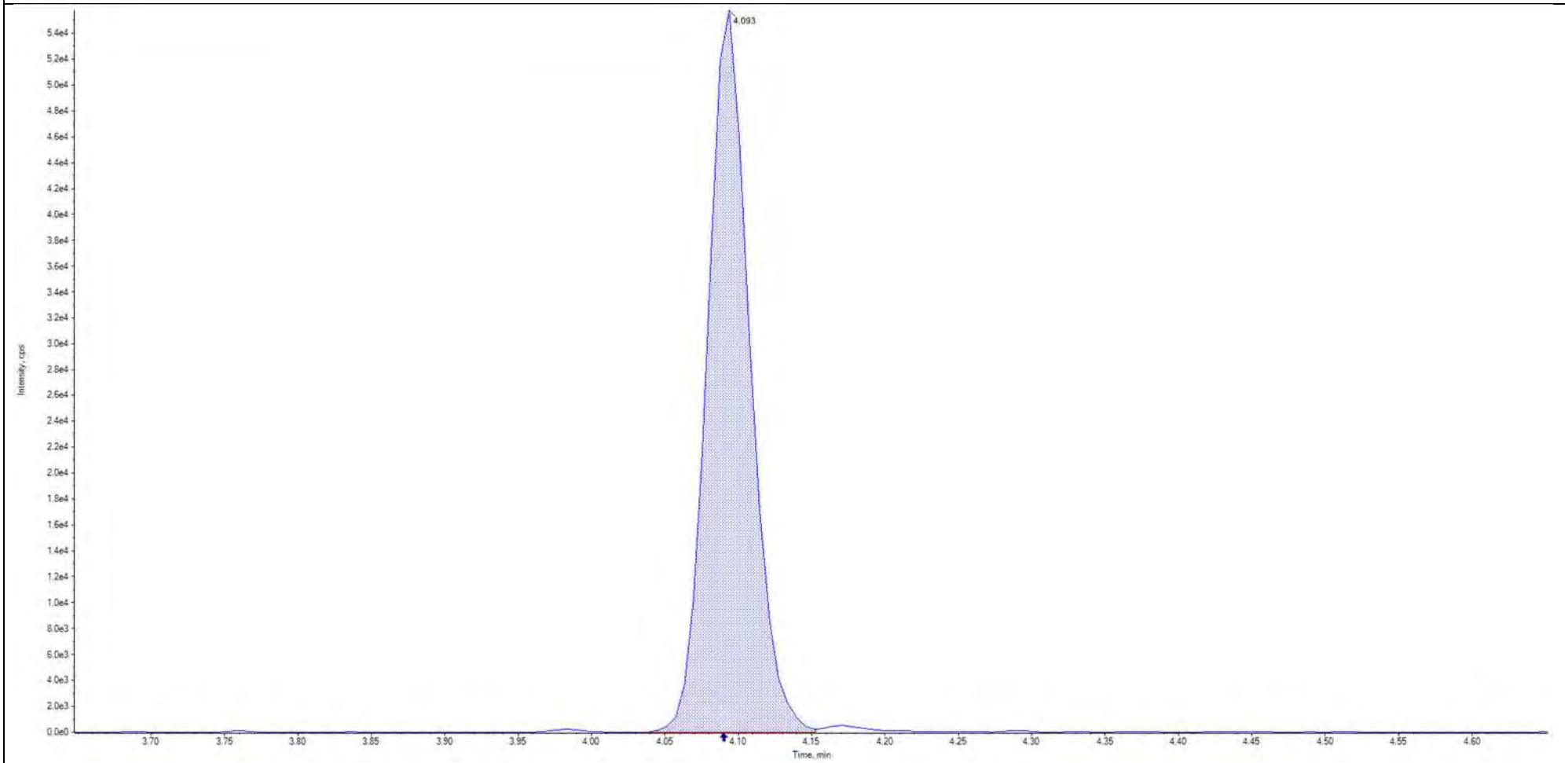
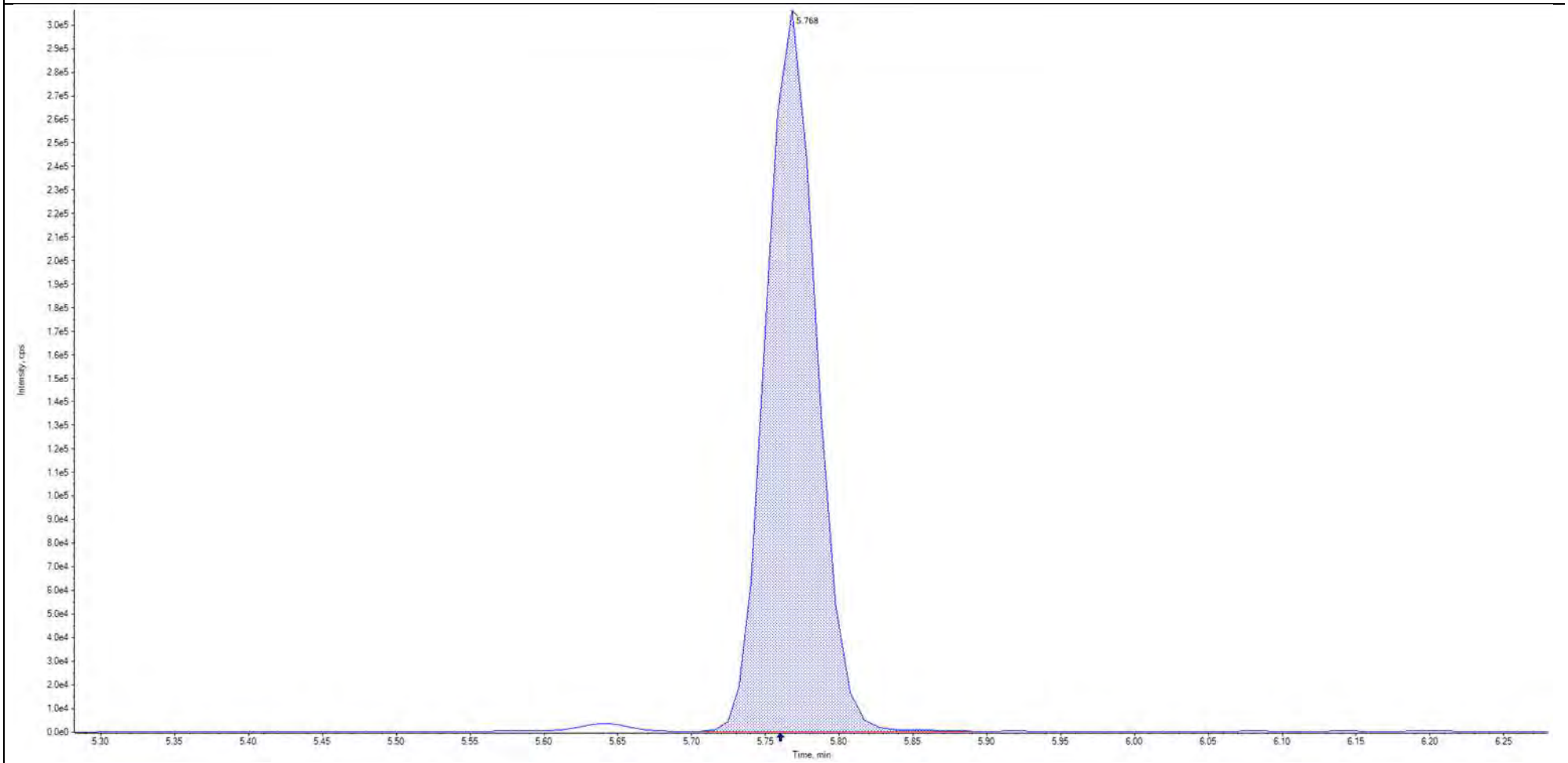
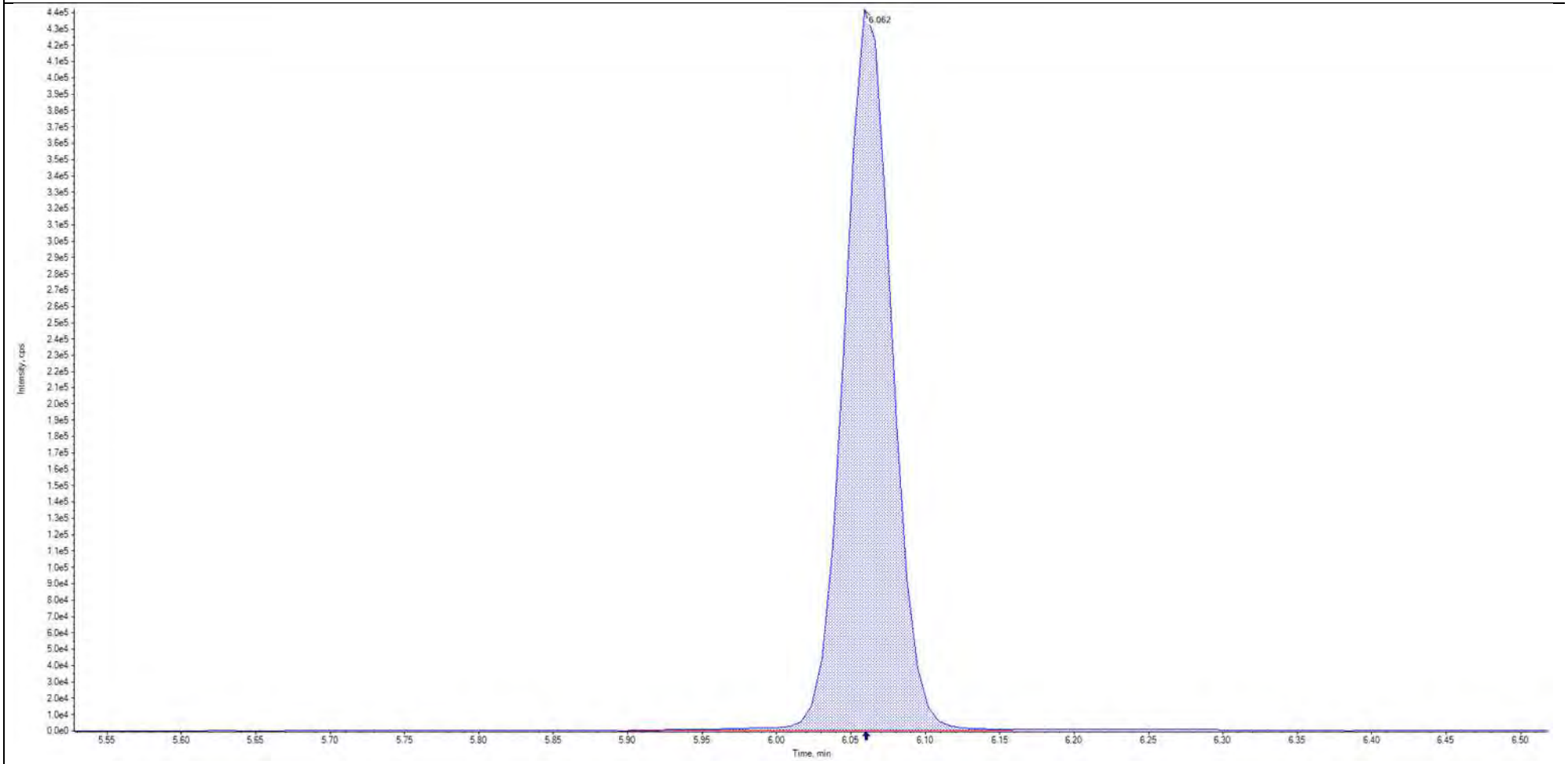


d7-NMeFOSE
Sample: WG2012688-1,1633LOW



d9-NEtFOSE
Sample: WG2012688-1,1633LOW



13C3-HFPO-DA
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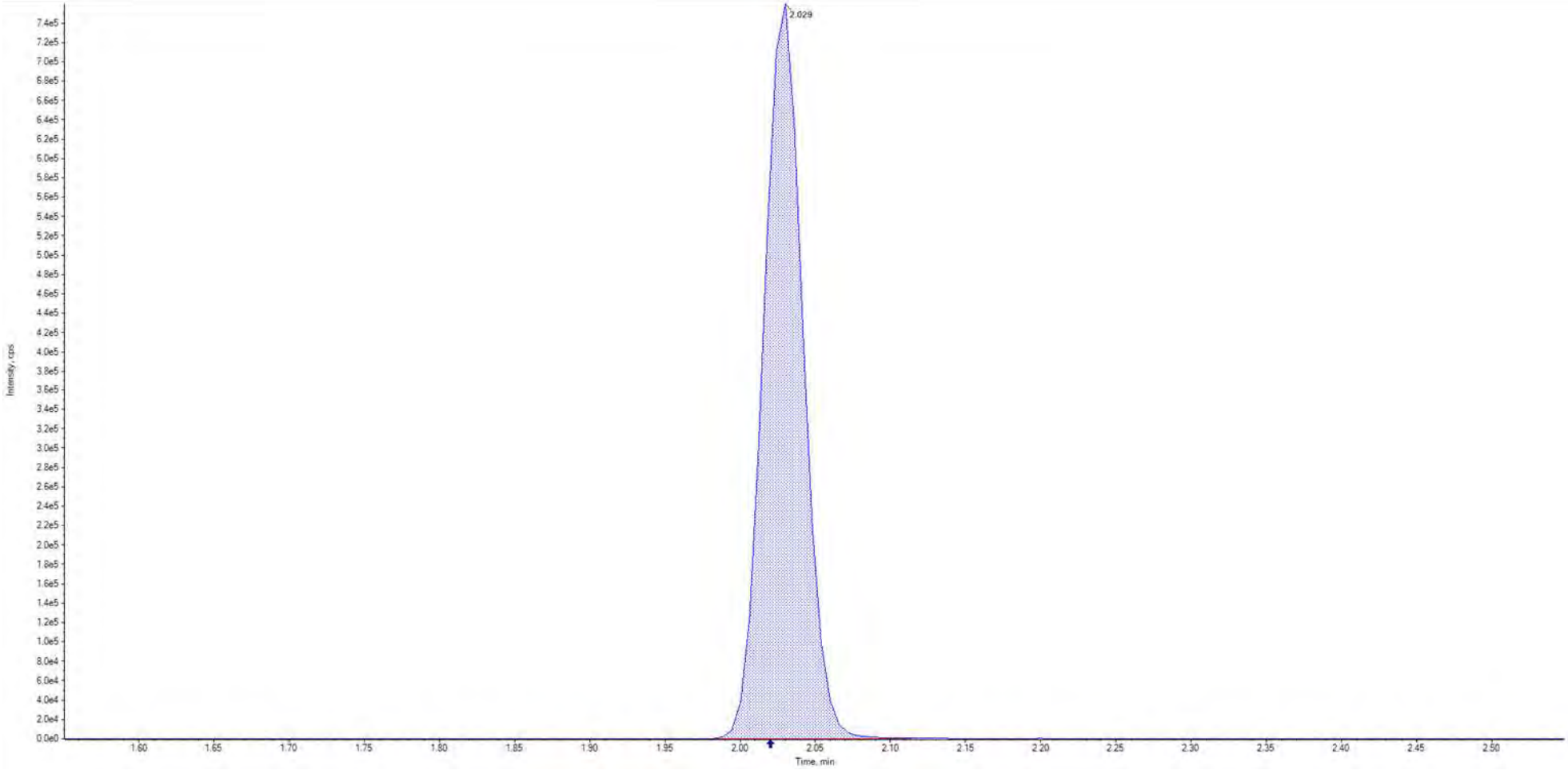

13C3-PFBA
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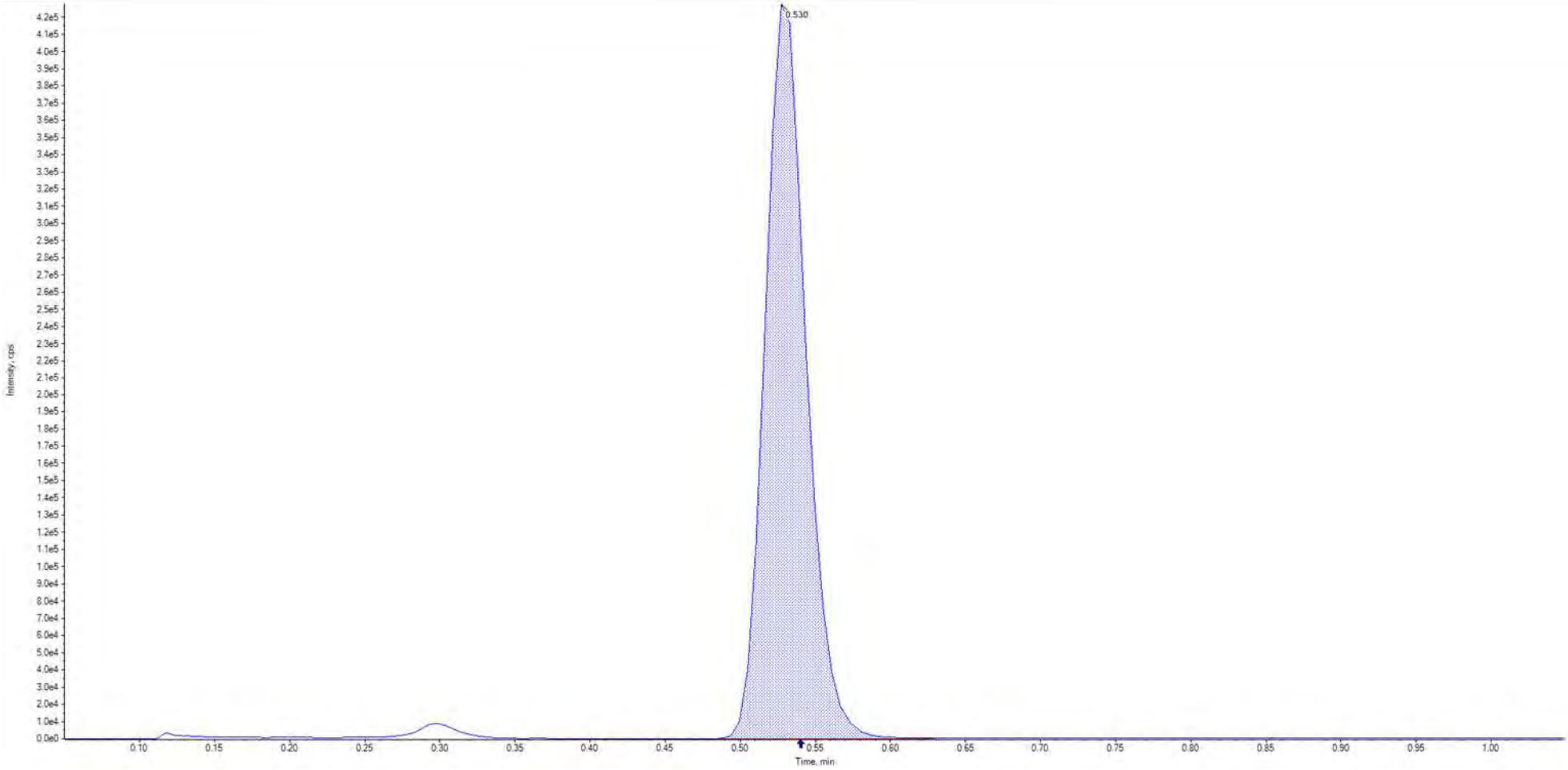
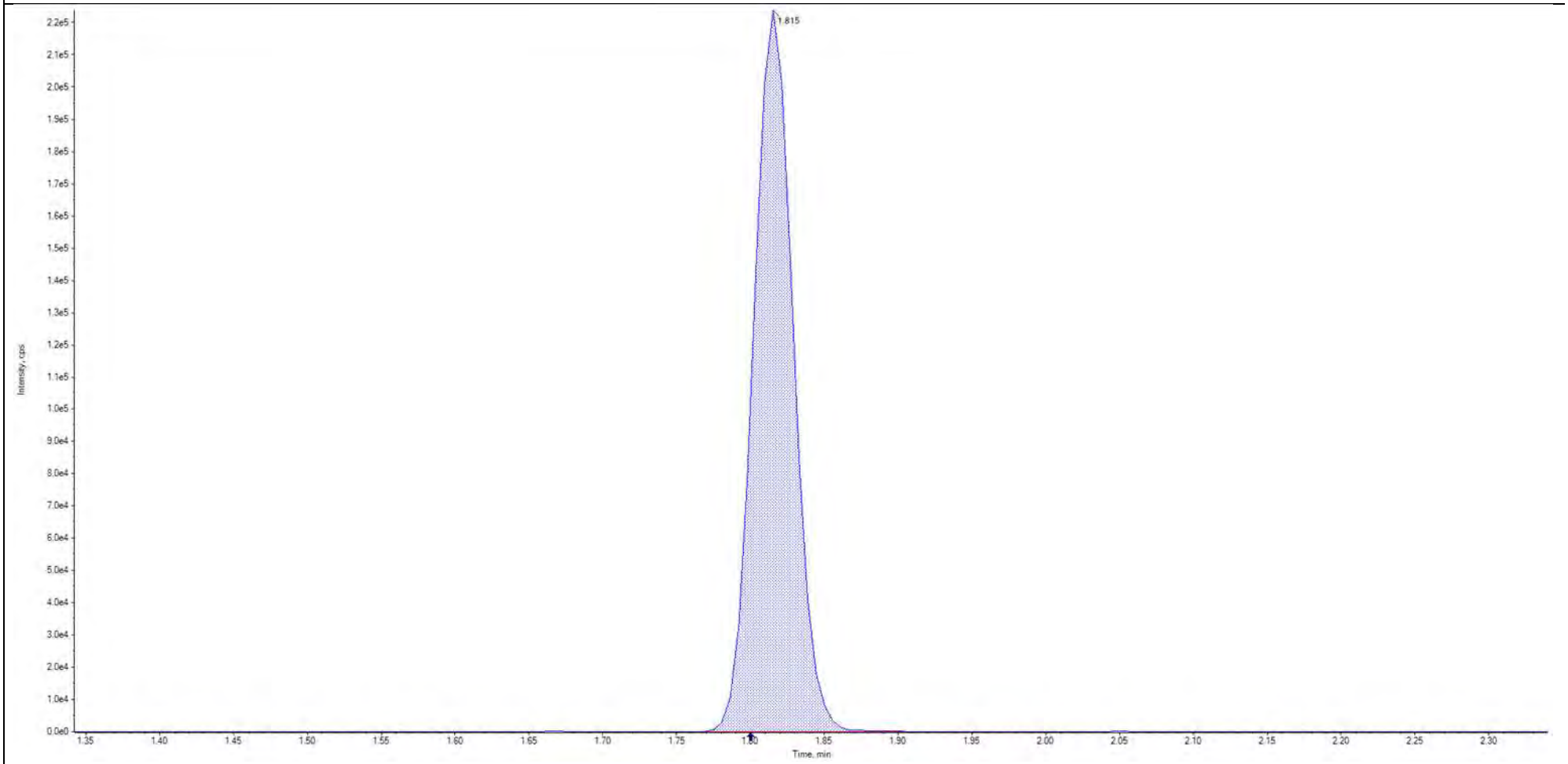
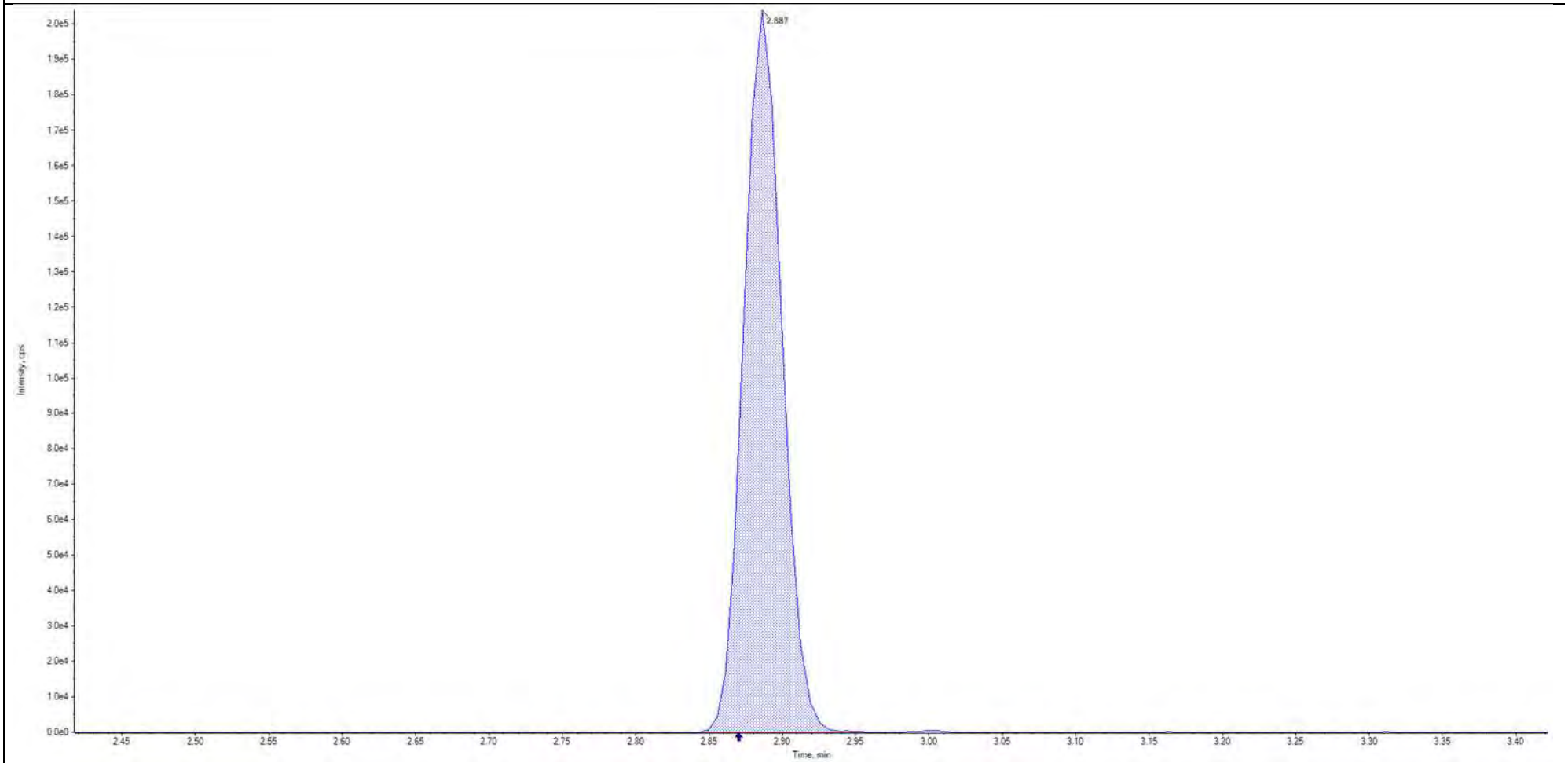


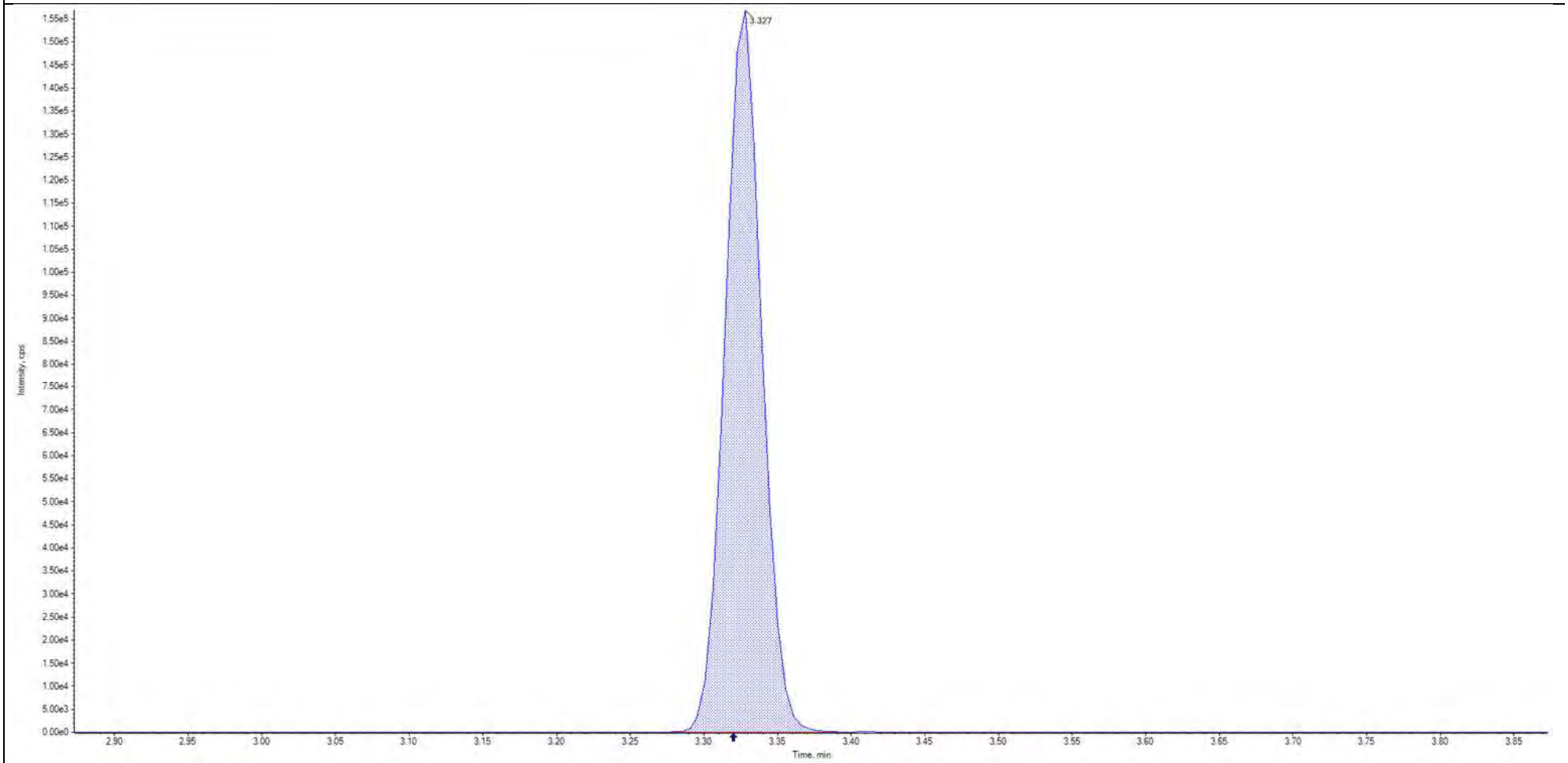
13C2-PFHxA
Sample: WG2012688-1,1633LOW



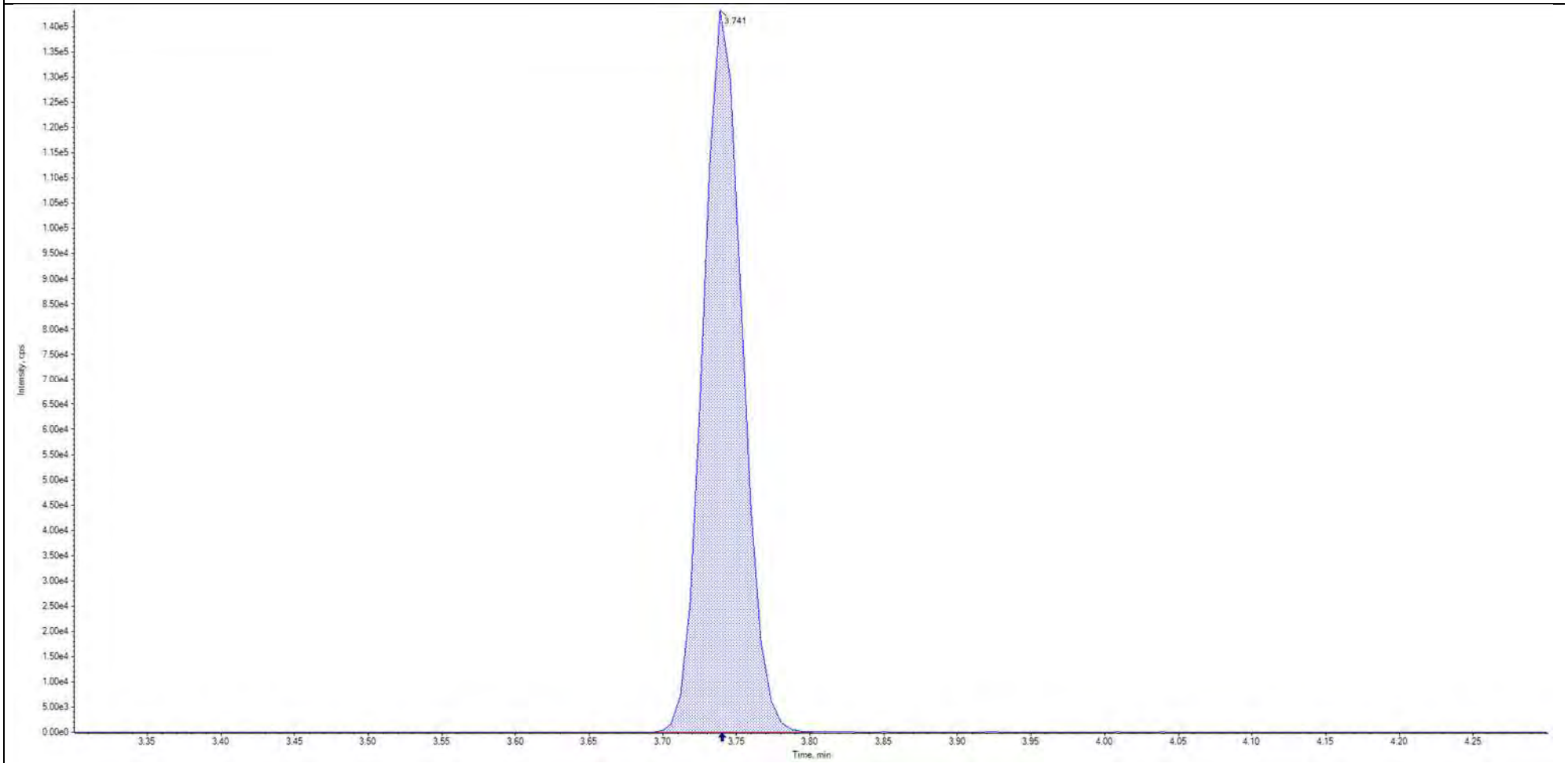
13C4-PFOA
Sample: WG2012688-1,1633LOW



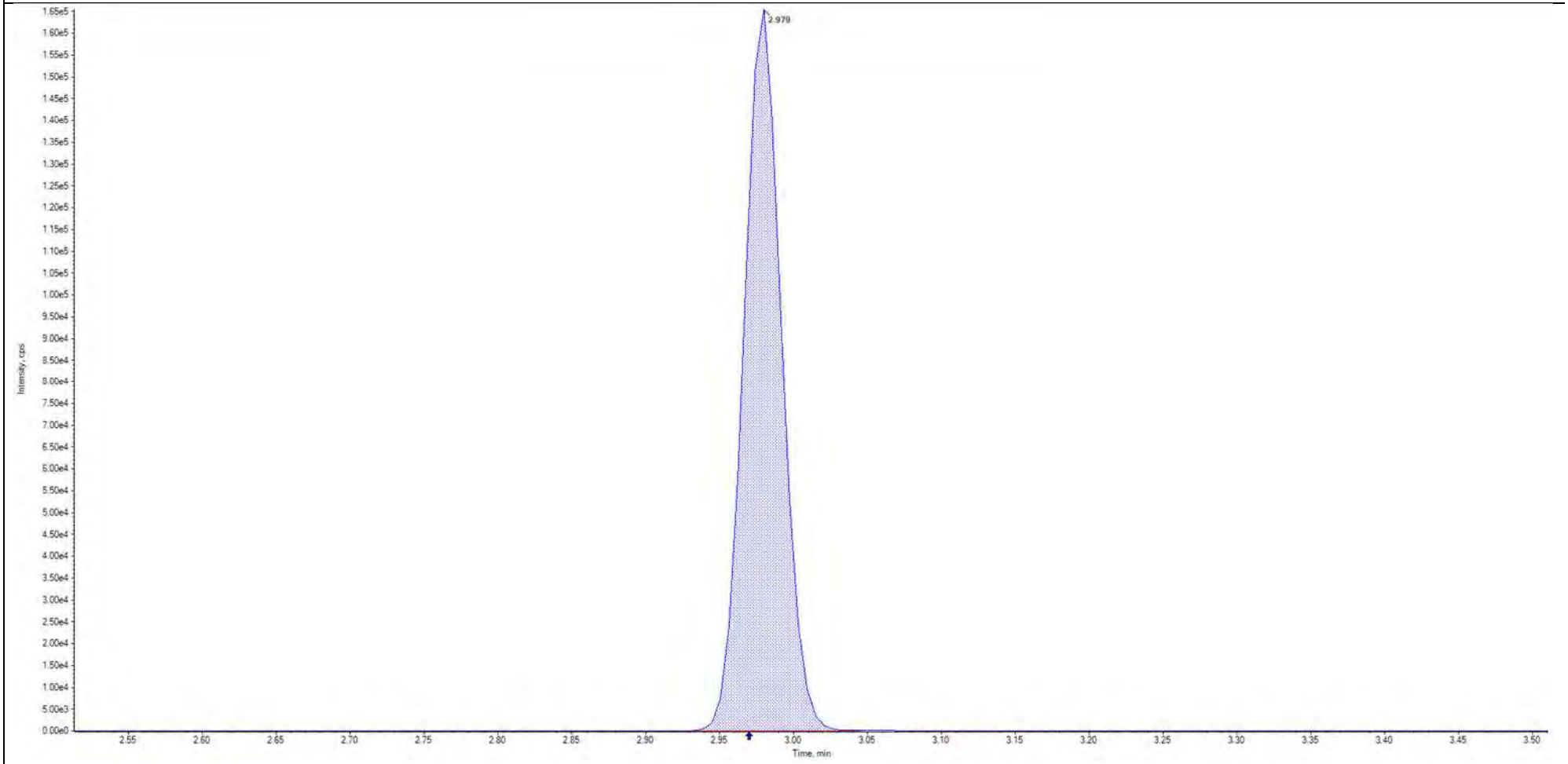
13C5-PFNA
Sample: WG2012688-1,1633LOW



13C2-PFDA
Sample: WG2012688-1,1633LOW



18O2-PFHxS
Sample: WG2012688-1,1633LOW



13C4-PFOS
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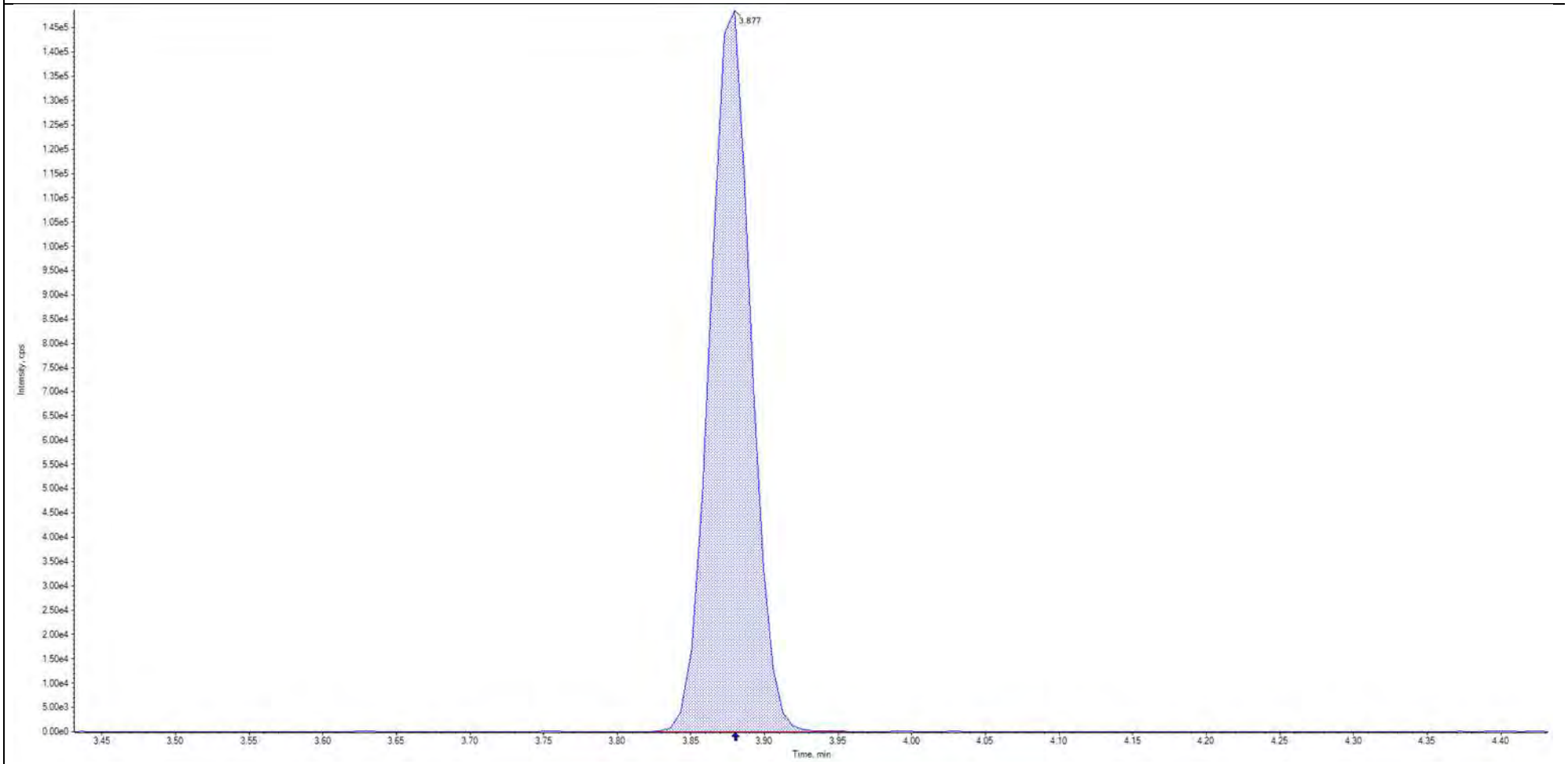

Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_15.wiff2_1
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_16.wiff2_2
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

Method: EPA1633F.qmethod
Calibration: 241112_1633_ICAL

ID: WG2012688-2,1633FMED
Name: SCI09_241223_16.wiff2
Date & Time: 2024-12-23T14:16:21
Description: WG2012688,WG2000000,ICAL21696,1633FMED
Instrument: SCIEX Triple Quad 5500+
User: LCMS09:JW

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.53	213.0 / 169.0	2755942		18.457	N/A	N/A	N/A	92.3
2	PFPeA	2706-90-3	1.04	263.0 / 219.0	1303101		9.567	0.008	N/A	N/A	95.7
3	PFPeA_2	2706-90-3	1.04	263.0 / 68.9	10235		8.621	0.008	N/A	N/A	86.2
4	PFHxA	307-24-4	1.81	313.0 / 269.0	816498		5.188	0.093	0.089	Pass	103.8
5	PFHxA_2	307-24-4	1.81	313.0 / 119.0	76249		5.334	0.093	0.089	Pass	106.7
6	PFHpA	375-85-9	2.40	363.1 / 319.0	936897		5.225	0.382	0.384	Pass	104.5
7	PFHpA_2	375-85-9	2.40	363.1 / 169.0	358173		5.135	0.382	0.384	Pass	102.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	2.89	413.1 / 369.1	960749	M5	4.448	0.411	0.410	Pass	89.0
9	PFOA_2	335-67-1	2.89	413.1 / 169.0	394841	M5	4.469	0.411	0.410	Pass	89.4
10	PFNA	375-95-1	3.33	462.8 / 418.9	1007400	M5	5.169	0.342	0.341	Pass	103.4
11	PFNA_2	375-95-1	3.33	462.8 / 219.0	344751	M5	5.131	0.342	0.341	Pass	102.6
12	PFDA	335-76-2	3.74	513.1 / 469.1	1051194		4.636	0.179	0.215	Pass	92.7
13	PFDA_2	335-76-2	3.74	513.1 / 219.0	188300		4.411	0.179	0.215	Pass	88.2
14	PFUnA	2058-94-8	4.14	563.1 / 519.1	1117366		4.883	0.149	0.151	Pass	97.7
15	PFUnA_2	2058-94-8	4.14	563.1 / 269.0	167034		4.905	0.149	0.151	Pass	98.1
16	PFDoA	307-55-1	4.52	613.1 / 569.1	1249859		5.040	0.145	0.140	Pass	100.8
17	PFDoA_2	307-55-1	4.52	613.1 / 319.0	181796		5.218	0.145	0.140	Pass	104.4
18	PFTrDA	72629-94-8	4.89	663.1 / 619.1	1126659		4.991	0.162	0.159	Pass	99.8
19	PFTrDA_2	72629-94-8	4.89	663.1 / 169.0	182987		5.238	0.162	0.159	Pass	104.8
20	PFTeDA	376-06-7	5.25	713.1 / 669.1	974617		4.706	0.167	0.159	Pass	94.1
21	PFTeDA_2	376-06-7	5.25	713.1 / 169.0	162911		4.921	0.167	0.159	Pass	98.4
22	PFBS	375-73-5	1.80	299.1 / 80.1	662945		3.965	0.380	0.398	Pass	89.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	1.80	299.1 / 99.1	251824		4.323	0.380	0.398	Pass	92.0
24	PFPeS	2706-91-4	2.45	349.1 / 80.1	734164		4.715	0.315	0.285	Pass	100.3
25	PFPeS_2	2706-91-4	2.45	349.1 / 99.1	231584		4.751	0.315	0.285	Pass	101.1
26	PFHxS	355-46-4	2.98	399.1 / 80.1	587698	M5	3.930	0.309	0.293	Pass	86.2
27	PFHxS_2	355-46-4	2.98	399.1 / 99.1	181489		4.222	0.309	0.293	Pass	92.6
28	PFHpS	375-92-8	3.44	449.1 / 80.1	678163		4.679	0.290	0.308	Pass	98.3
29	PFHpS_2	375-92-8	3.44	449.1 / 99.1	196760		4.649	0.290	0.308	Pass	97.7
30	PFOS	1763-23-1	3.88	499.1 / 80.1	672212	M5	3.998	0.261	0.241	Pass	86.2
31	PFOS_2	1763-23-1	3.88	499.1 / 99.1	175527		4.309	0.261	0.241	Pass	92.9
32	PFNS	68259-12-1	4.28	549.1 / 80.1	516778		4.271	0.295	0.299	Pass	89.0
33	PFNS_2	68259-12-1	4.28	549.1 / 99.1	152707		4.330	0.295	0.299	Pass	90.2
34	PFDS	335-77-3	4.67	599.1 / 80.1	488421		3.797	0.289	0.274	Pass	78.8
35	PFDS_2	335-77-3	4.67	599.1 / 99.1	140932		3.835	0.289	0.274	Pass	79.6
36	PFDoS	79780-39-5	5.40	699.2 / 80.1	429990		3.841	0.252	0.247	Pass	79.4
37	PFDoS_2	79780-39-5	5.40	699.2 / 99.1	108201		3.769	0.252	0.247	Pass	77.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	1.60	327.1 / 307.1	624607		16.618	0.680	0.634	Pass	88.9
39	4:2FTS_2	757124-72-4	1.60	327.1 / 81.1	424863		17.884	0.680	0.634	Pass	95.6
40	6:2FTS	27619-97-2	2.71	427.2 / 407.2	593299		16.958	0.663	0.609	Pass	89.3
41	6:2FTS_2	27619-97-2	2.71	427.2 / 81.1	393254		18.093	0.663	0.609	Pass	95.2
42	8:2FTS	39108-34-4	3.56	527.2 / 507.2	568765		19.347	0.676	0.681	Pass	100.8
43	8:2FTS_2	39108-34-4	3.56	527.2 / 81.1	384341		20.174	0.676	0.681	Pass	105.1
44	PFOSA	754-91-6	5.18	498.1 / 78.1	977497	M5	4.514	0.025	0.024	Pass	90.3
45	PFOSA_2	754-91-6	5.18	498.1 / 478.0	24728	M5	4.627	0.025	0.024	Pass	92.5
46	NMeFOSA	31506-32-8	5.92	512.2 / 219.0	215635	M5	4.937	1.405	1.421	Pass	98.7
47	NMeFOSA_2	31506-32-8	5.87	512.2 / 169.0	302871		4.819	1.405	1.421	Pass	96.4
48	NEtFOSA	4151-50-2	6.21	526.2 / 219.0	190480		4.734	1.297	1.258	Pass	94.7
49	NEtFOSA_2	4151-50-2	6.17	526.2 / 169.0	247089		4.752	1.297	1.258	Pass	95.0
50	NMeFOSAA	2355-31-9	3.88	570.2 / 419.1	105456	M5	5.331	0.677	0.683	Pass	106.6
51	NMeFOSAA_2	2355-31-9	3.88	570.2 / 483.0	71372	M5	5.151	0.677	0.683	Pass	103.0
52	NEtFOSAA	2991-50-6	4.09	584.2 / 419.1	110419		5.216	0.518	0.571	Pass	104.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.09	584.2 / 526.2	57215		4.652	0.518	0.571	Pass	93.0
54	NMeFOSE	24448-09-7	5.78	616.1 / 58.9	3088283	M5	47.967	N/A	N/A	N/A	95.9
55	NEtFOSE	1691-99-2	6.08	630.0 / 58.9	3917815	M5	49.011	N/A	N/A	N/A	98.0
56	HFPO-DA	13252-13-6	2.03	285.0 / 169.0	2625490		20.329	0.556	0.510	Pass	101.7
57	HFPO-DA_2	13252-13-6	2.03	285.0 / 184.9	1459710		21.075	0.556	0.510	Pass	105.4
58	ADONA	919005-14-4	2.58	376.9 / 251.0	4340897		18.665	0.684	0.636	Pass	98.8
59	ADONA_2	919005-14-4	2.58	376.9 / 84.8	2969894		16.793	0.684	0.636	Pass	88.9
60	9Cl-PF3ONS	756426-58-1	4.16	530.8 / 351.1	5710348		18.861	0.333	0.326	Pass	100.9
61	9Cl-PF3ONS_2	756426-58-1	4.16	532.8 / 353.0	1899706		18.770	0.333	0.326	Pass	100.4
62	11Cl-PF3OUdS	763051-92-9	4.93	630.9 / 451.0	4728179		17.632	0.325	0.318	Pass	93.3
63	11Cl-PF3OUdS_2	763051-92-9	4.93	632.9 / 452.9	1537930		17.909	0.325	0.318	Pass	94.8
64	3:3FTCA	356-02-5	1.39	241.1 / 177.1	255673		23.291	1.026	1.068	Pass	93.2
65	3:3FTCA_2	356-02-5	1.39	241.1 / 117.0	262332		22.296	1.026	1.068	Pass	89.2
66	5:3FTCA	914637-49-3	2.96	341.1 / 237.1	5320735		128.910	1.072	1.045	Pass	103.1
67	5:3FTCA_2	914637-49-3	2.96	341.1 / 217.0	5704065		135.160	1.072	1.045	Pass	108.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	3.99	441.1 / 316.9	5032128		129.372	1.320	1.285	Pass	103.5
69	7:3FTCA_2	812-70-4	3.99	441.1 / 337.1	6644269		131.704	1.320	1.285	Pass	105.4
70	PFEESA	113507-82-7	2.11	315.1 / 135.0	3921629		8.660	0.079	0.081	Pass	97.1
71	PFEESA_2	113507-82-7	2.11	315.1 / 82.9	308372		8.390	0.079	0.081	Pass	94.1
72	PFMPA	377-73-1	0.67	229.0 / 85.0	1459701		9.418	N/A	N/A	N/A	94.2
73	PFMBA	863090-89-5	1.31	279.0 / 85.0	1515638		8.750	N/A	N/A	N/A	87.5
74	NFDHA	151772-58-6	1.73	295.0 / 201.0	1072857		11.277	0.790	0.681	Pass	112.8
75	NFDHA_2	151772-58-6	1.74	295.0 / 84.9	847636		12.371	0.790	0.681	Pass	123.7
76	TDCA	516-50-7	2.58	499.1 / 124.1	2823018		10.178	5.528	5.357	Pass	101.8
77	TDCA_2	516-50-7	2.58	499.1 / 79.9	15605090		10.630	5.528	5.357	Pass	106.3
78	13C2D4-4:2FTS	Surr	1.59	333.2 / 312.1	119501		5.155	N/A	N/A	N/A	103.1
79	13C2-PFOA	Surr	2.88	415.0 / 370.0	362915		2.579	N/A	N/A	N/A	103.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.53	217.0 / 172.0	1751289		9.670	NA	NA	NA	96.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.03	268.0 / 223.0	777301		5.466	NA	NA	NA	109.3
	13C5-PFHxA	EIS	1.81	318.0 / 273.0	343199		2.287	NA	NA	NA	91.5
	13C4-PFHpA	EIS	2.39	367.0 / 322.0	294484		2.352	NA	NA	NA	94.1
	13C8-PFOA	EIS	2.88	420.8 / 376.0	668077		2.695	NA	NA	NA	107.8
	13C9-PFNA	EIS	3.32	472.0 / 427.0	274717		1.164	NA	NA	NA	93.1
	13C6-PFDA	EIS	3.74	519.0 / 474.0	334708		1.342	NA	NA	NA	107.4
	13C7-PFUnA	EIS	4.13	570.0 / 525.0	351563		1.270	NA	NA	NA	101.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.52	615.1 / 570.0	352963		1.193	NA	NA	NA	95.5
	13C2-PFTeDA	EIS	5.24	715.1 / 670.1	262246		1.195	NA	NA	NA	95.6
	13C3-PFBS	EIS	1.80	302.1 / 80.1	389065		2.414	NA	NA	NA	103.6
	13C3-PFHxS	EIS	2.97	402.1 / 80.1	344674		2.414	NA	NA	NA	101.9
	13C8-PFOS	EIS	3.87	507.1 / 80.1	381816		2.472	NA	NA	NA	103.0
	13C2-4:2FTS	EIS	1.59	329.1 / 81.1	112157		5.009	NA	NA	NA	106.8
	13C2-6:2FTS	EIS	2.70	429.2 / 81.1	106518		5.359	NA	NA	NA	112.6
	13C2-8:2FTS	EIS	3.56	529.2 / 81.1	112972		4.802	NA	NA	NA	100.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	5.18	506.1 / 78.1	688919		2.627	NA	NA	NA	105.1
	d3-NMeFOSA	EIS	5.91	515.2 / 219.0	101205		2.357	NA	NA	NA	94.3
	d5-NEtFOSA	EIS	6.20	531.2 / 219.0	90393		2.320	NA	NA	NA	92.8
	d3-NMeFOSAA	EIS	3.88	573.2 / 419.1	124702		4.678	NA	NA	NA	93.6
	d5-NEtFOSAA	EIS	4.09	589.3 / 419.1	112237		4.272	NA	NA	NA	85.4
	d7-NMeFOSE	EIS	5.76	623.2 / 58.9	746658		26.848	NA	NA	NA	107.4
	d9-NEtFOSE	EIS	6.06	639.2 / 58.9	926532		24.759	NA	NA	NA	99.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.02	287.0 / 169.0	1354469		9.243	NA	NA	NA	92.4
	13C3-PFBA	NIS	0.52	216.0 / 172.0	789479		6.226	NA	NA	NA	124.5
	13C2-PFHxA	NIS	1.81	315.0 / 270.0	416317		2.795	NA	NA	NA	111.8
	13C4-PFOA	NIS	2.88	417.0 / 372.0	395278		2.742	NA	NA	NA	109.7
	13C5-PFNA	NIS	3.32	468.0 / 423.0	293889		1.439	NA	NA	NA	115.1
	13C2-PFDA	NIS	3.73	515.1 / 470.1	295983		1.403	NA	NA	NA	112.3
	18O2-PFHxS	NIS	2.97	403.1 / 84.1	298141		2.555	NA	NA	NA	107.8
	13C4-PFOS	NIS	3.87	503.1 / 80.1	307584		2.451	NA	NA	NA	102.1

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec

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PFBA
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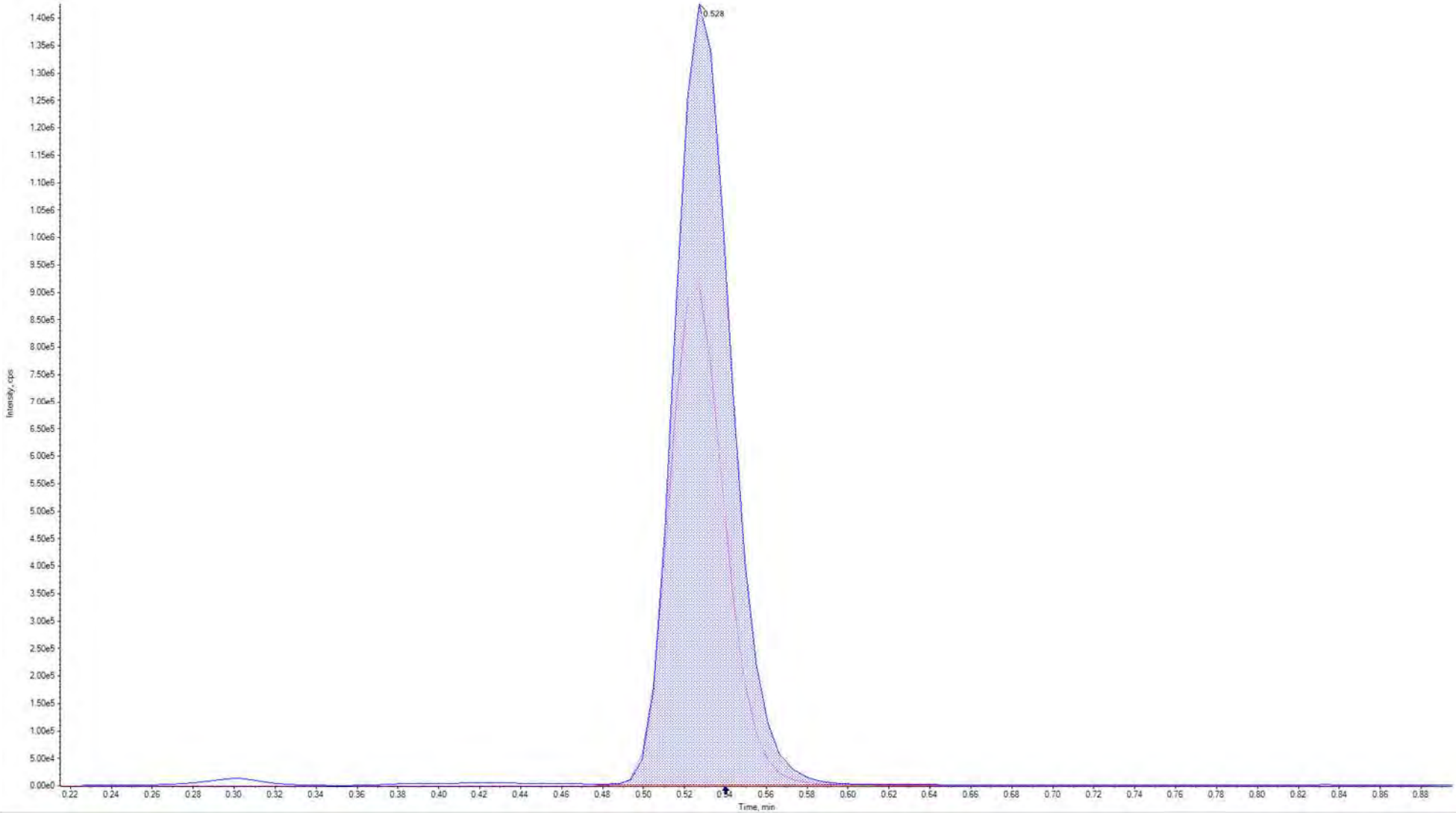

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PFPeA
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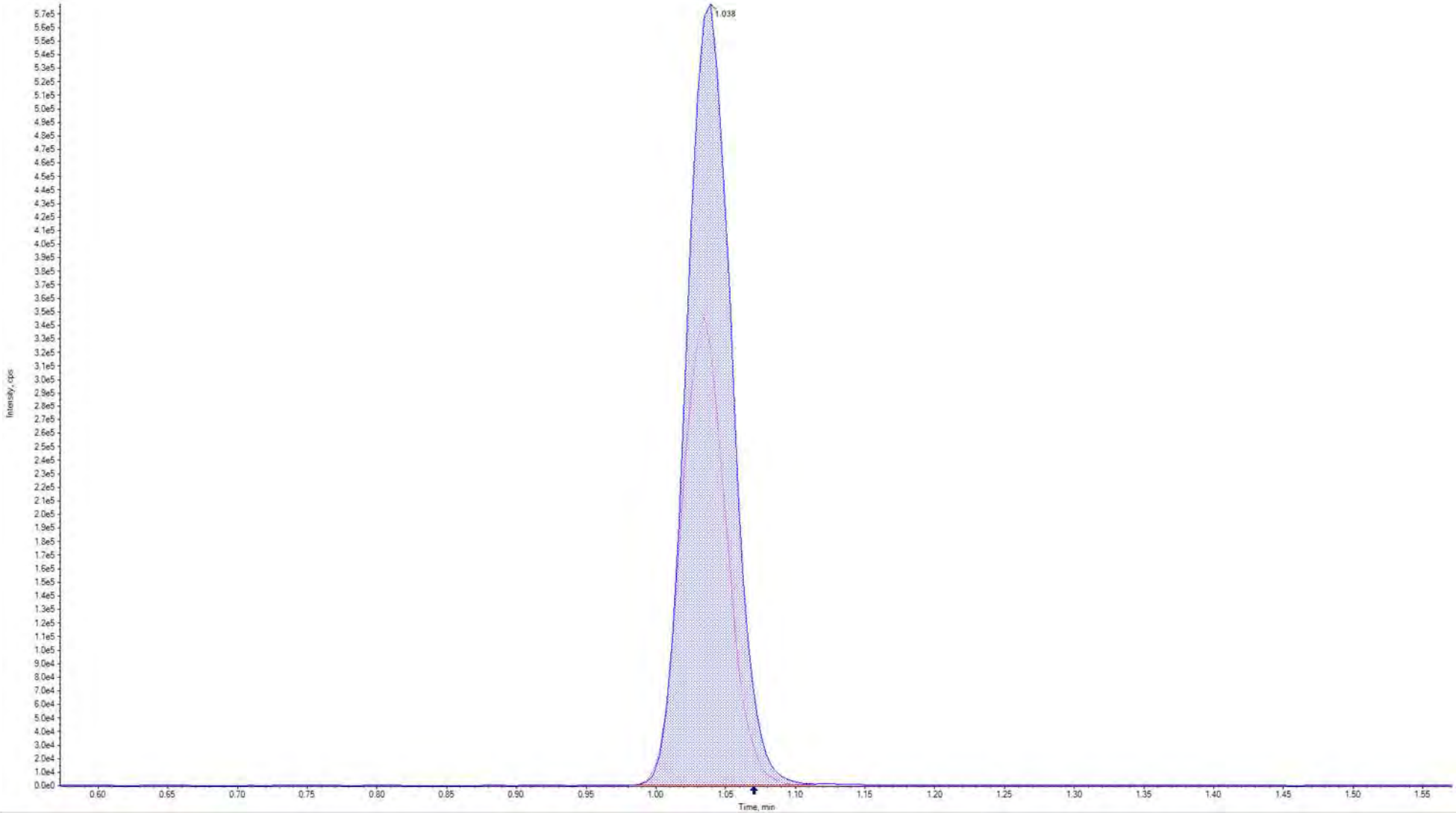

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PFPeA_2
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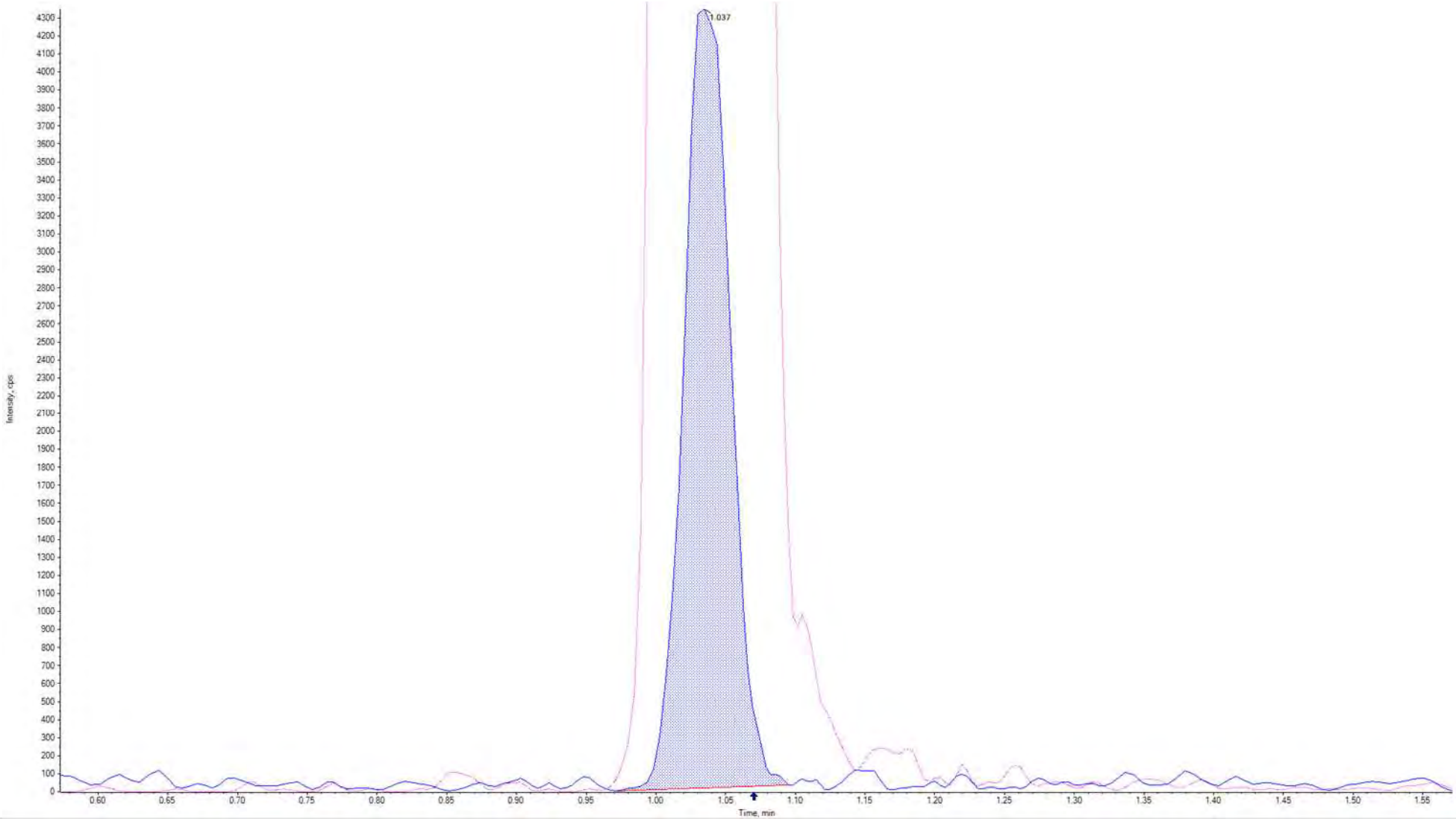

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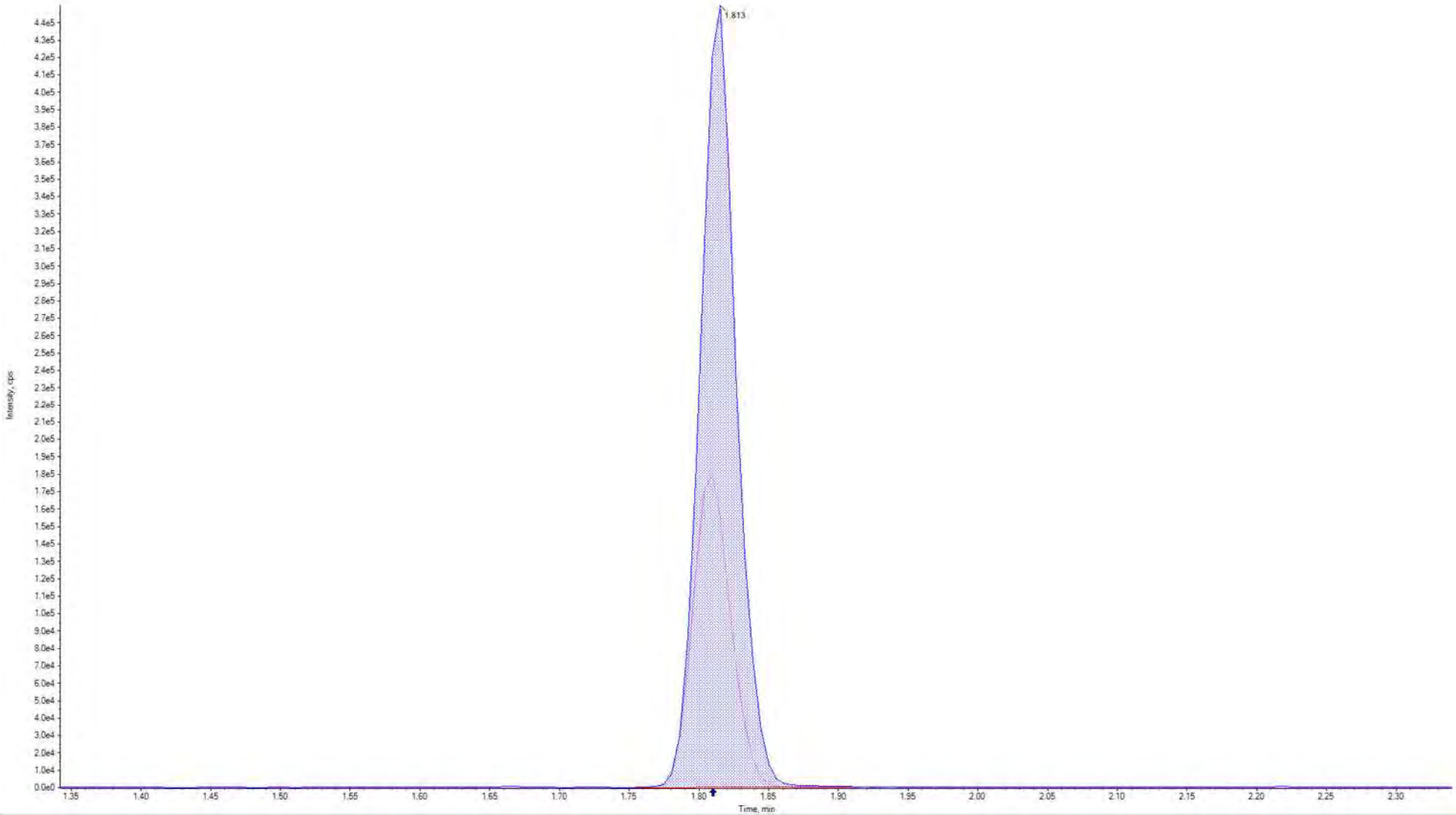
PFHxA
Sample: WG2012688-2,1633FMED S/N:3916.6 Points Across peak:32



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PFHxA_2
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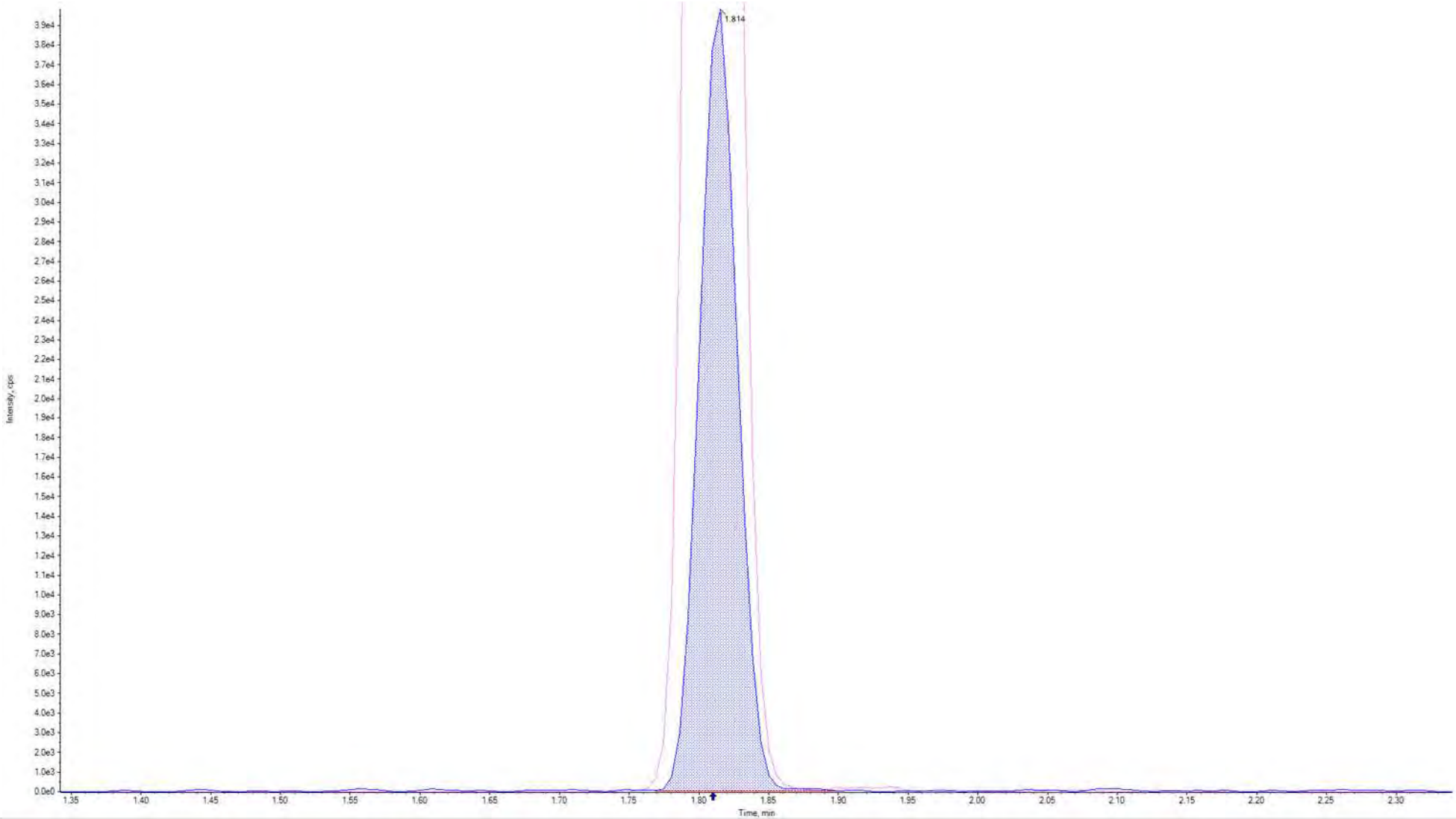

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PFHpA
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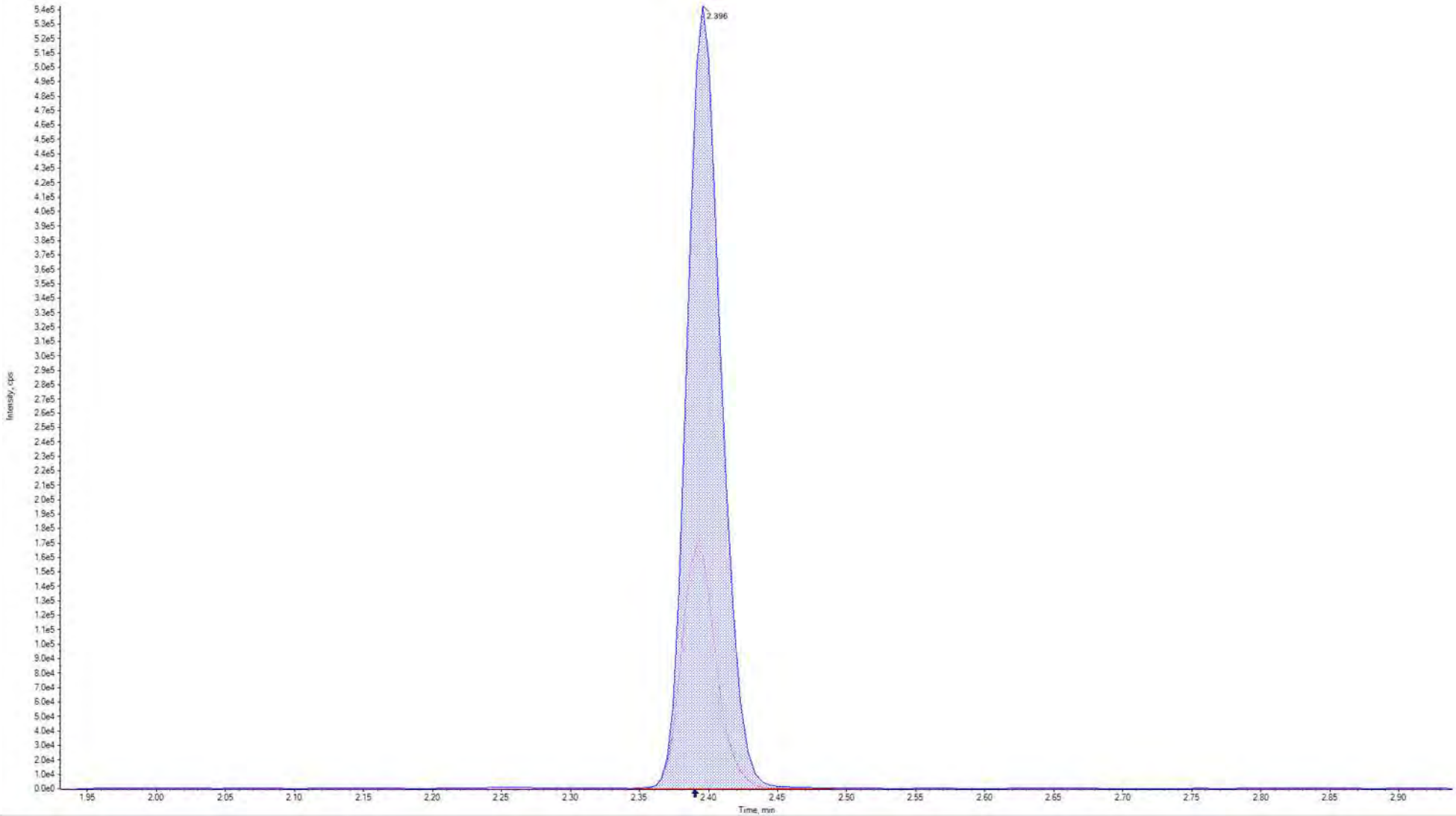

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PFHpA_2
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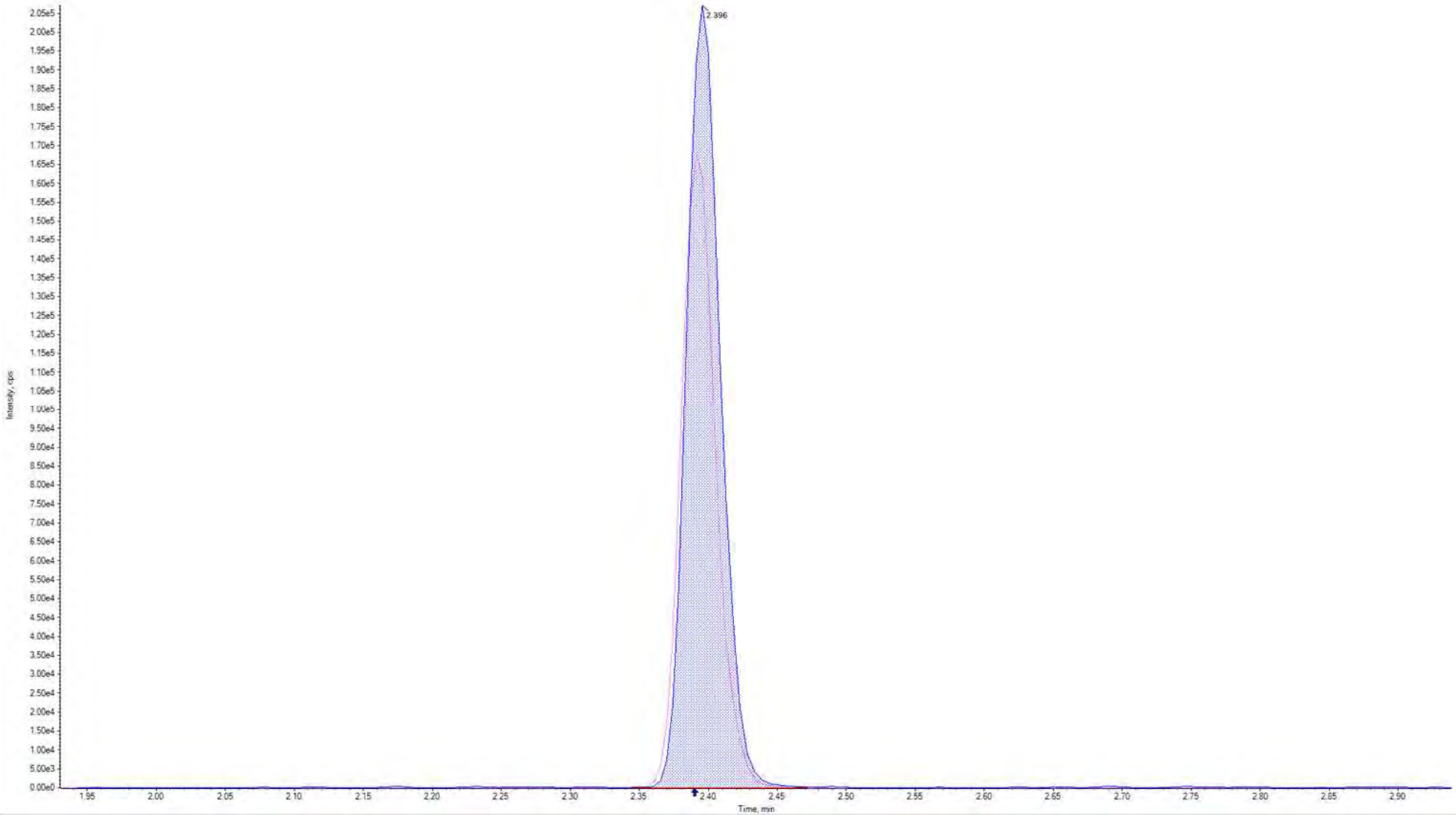

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PFOA
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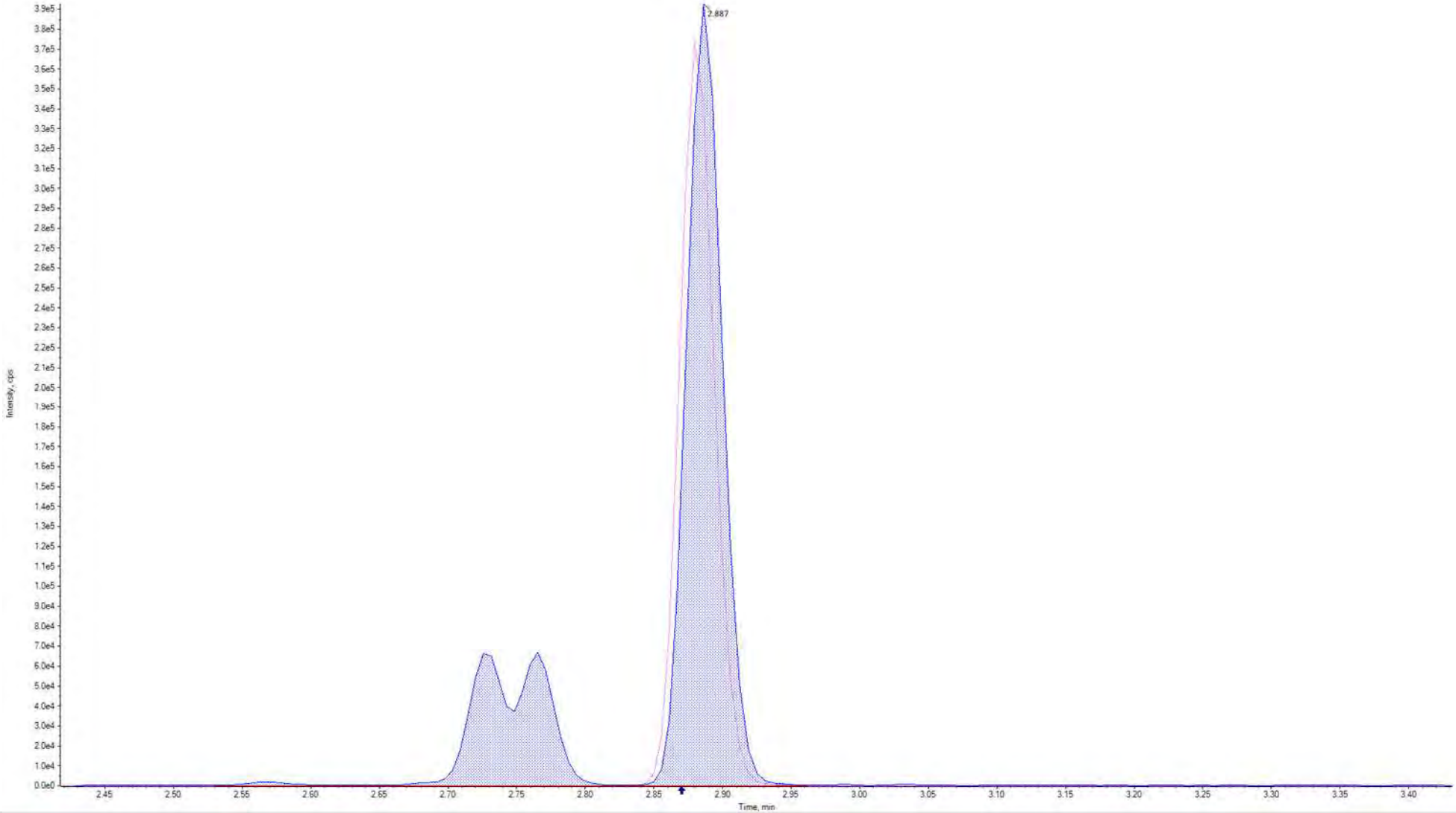

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PFOA_2
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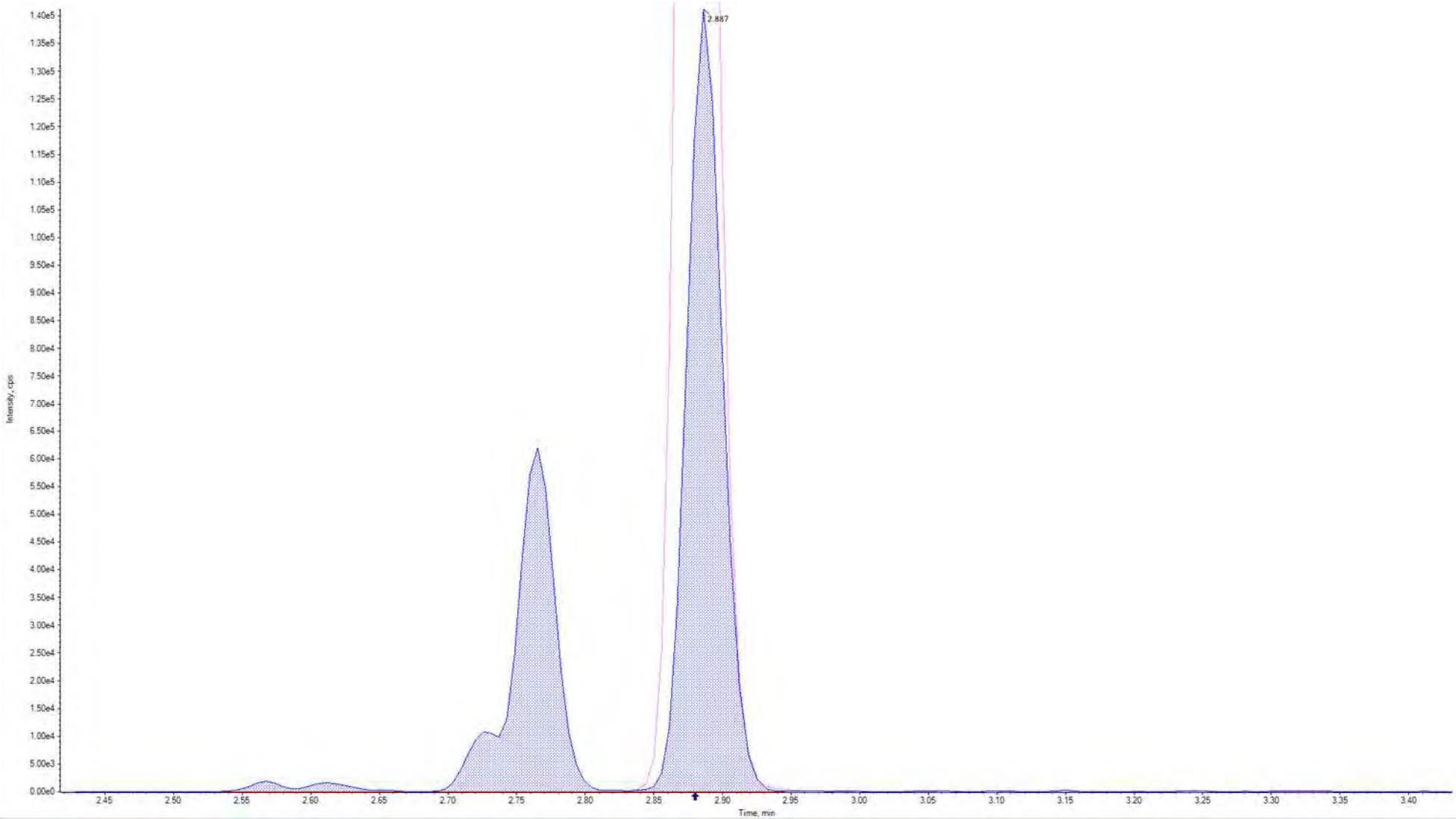
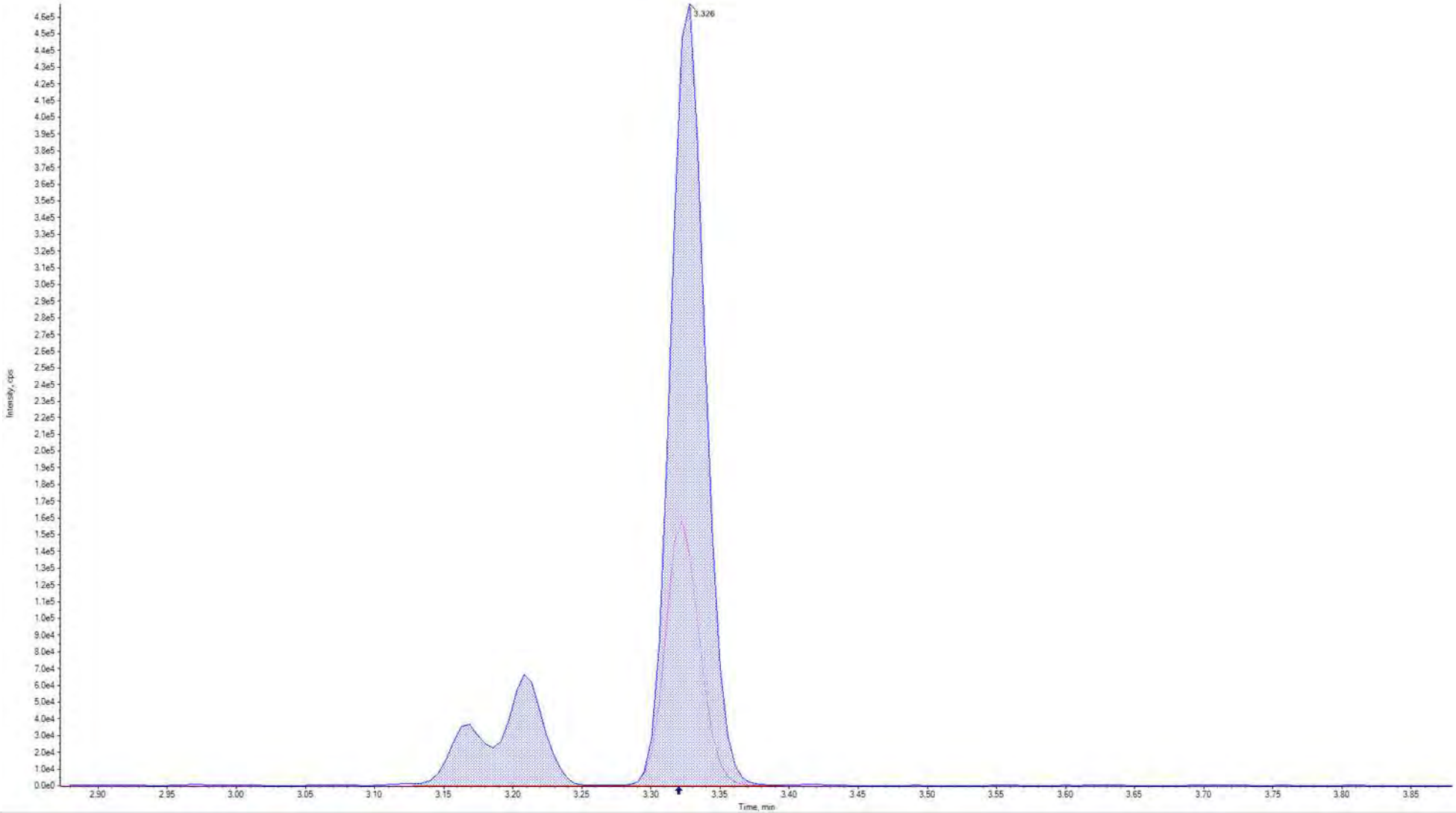


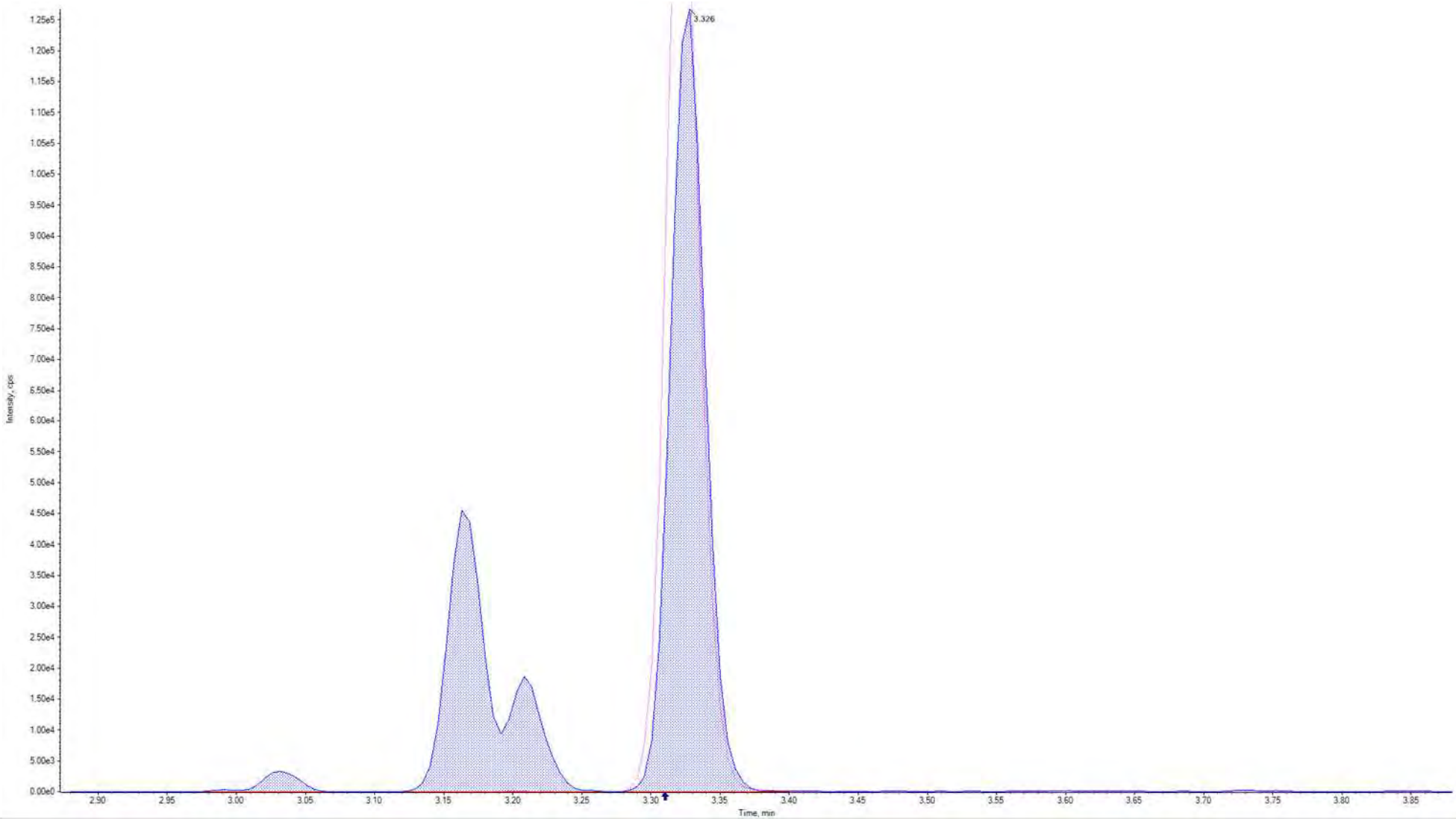
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_16.wiff2_2
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFNA
Sample: WG2012688-2,1633FMED S/N:926.0 Points Across peak:53



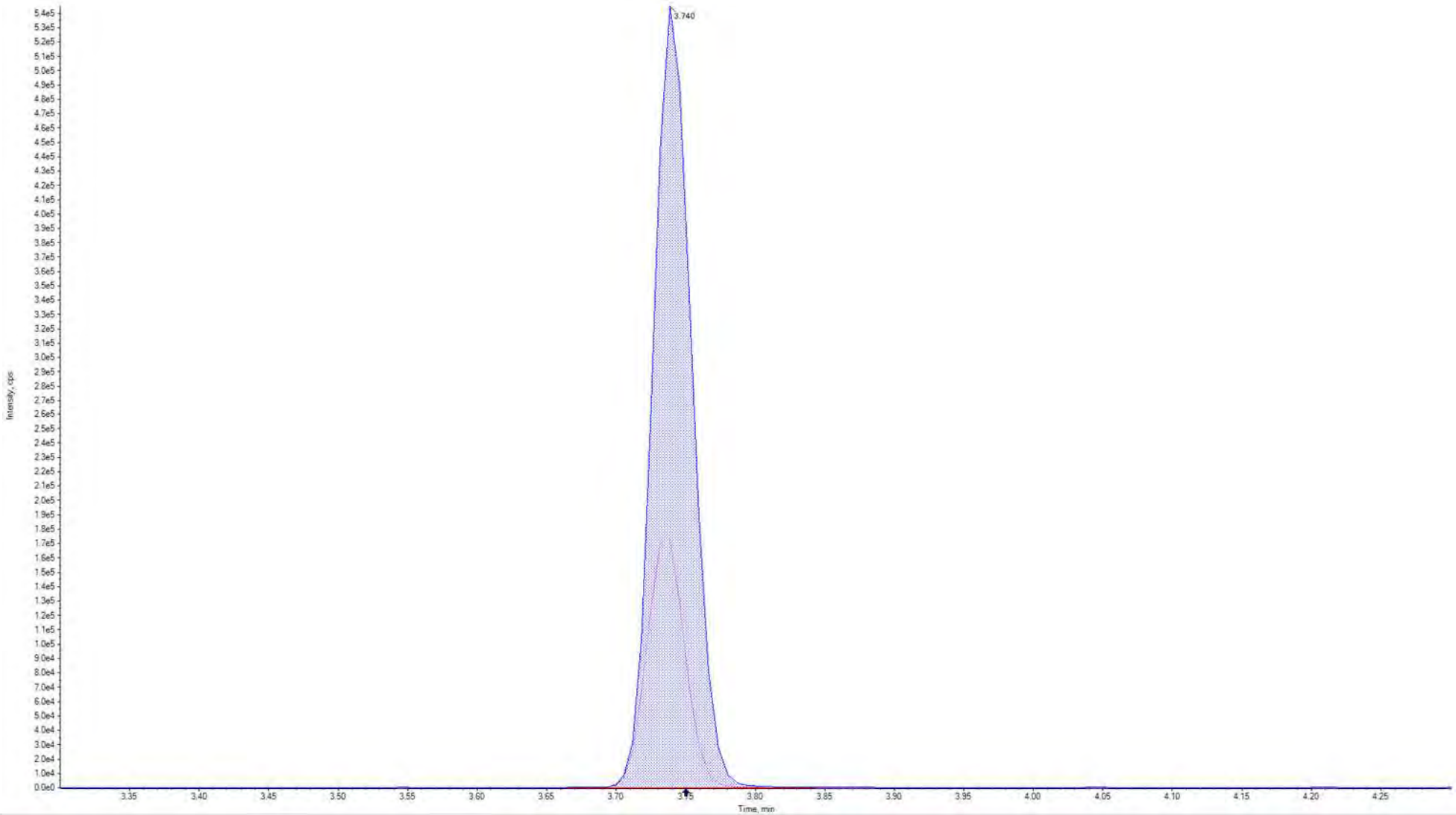
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_16.wiff2_2
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFNA_2
Sample: WG2012688-2,1633FMED S/N:530.6 Points Across peak:80



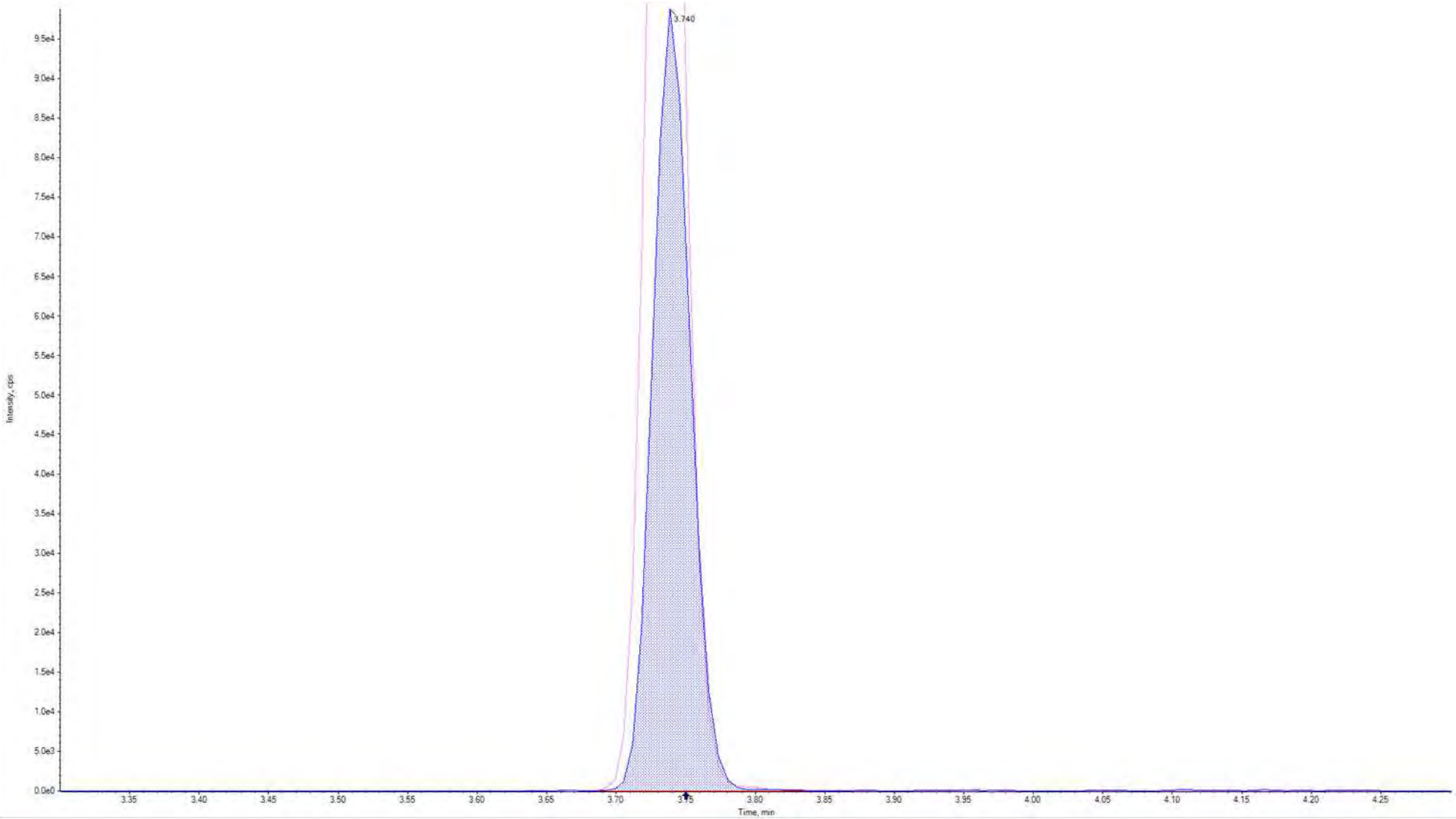
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_16.wiff2_2
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFDA
Sample: WG2012688-2,1633FMED S/N:10924.9 Points Across peak:30



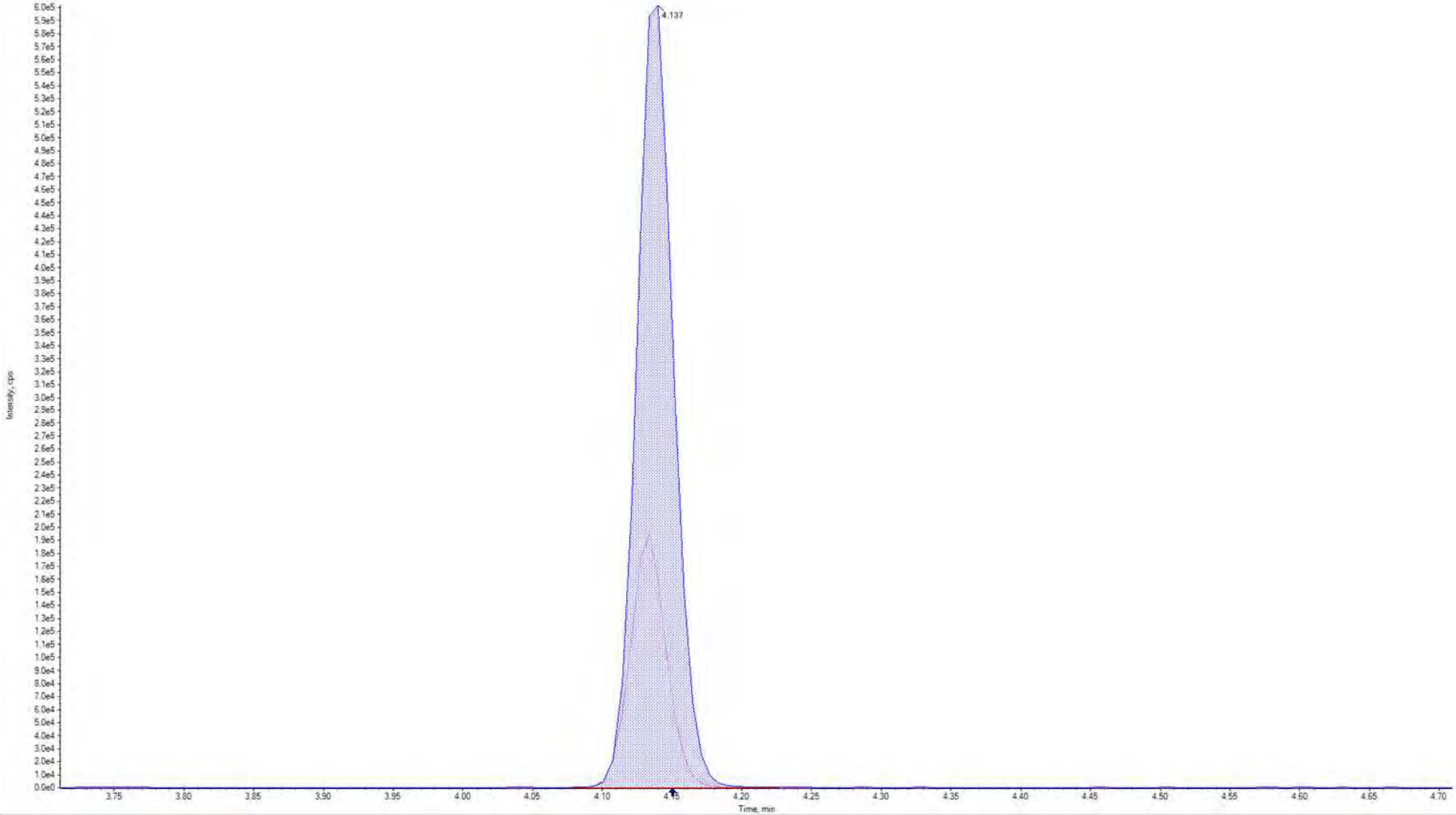
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_16.wiff2_2
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFDA_2
Sample: WG2012688-2,1633FMED S/N:1980.1 Points Across peak:26



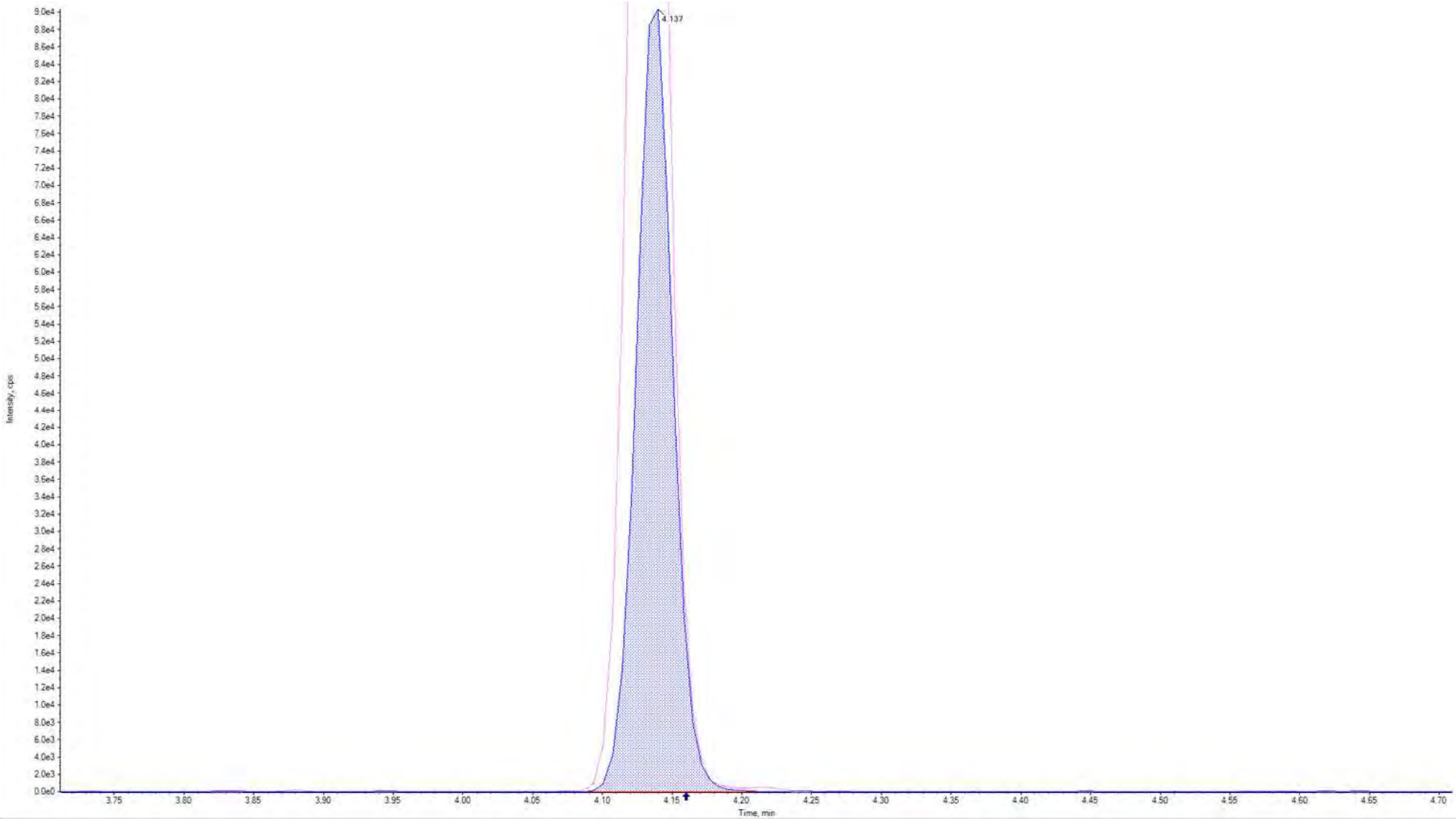
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_16.wiff2_2
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFUnA
Sample: WG2012688-2,1633FMED S/N:5736.2 Points Across peak:25



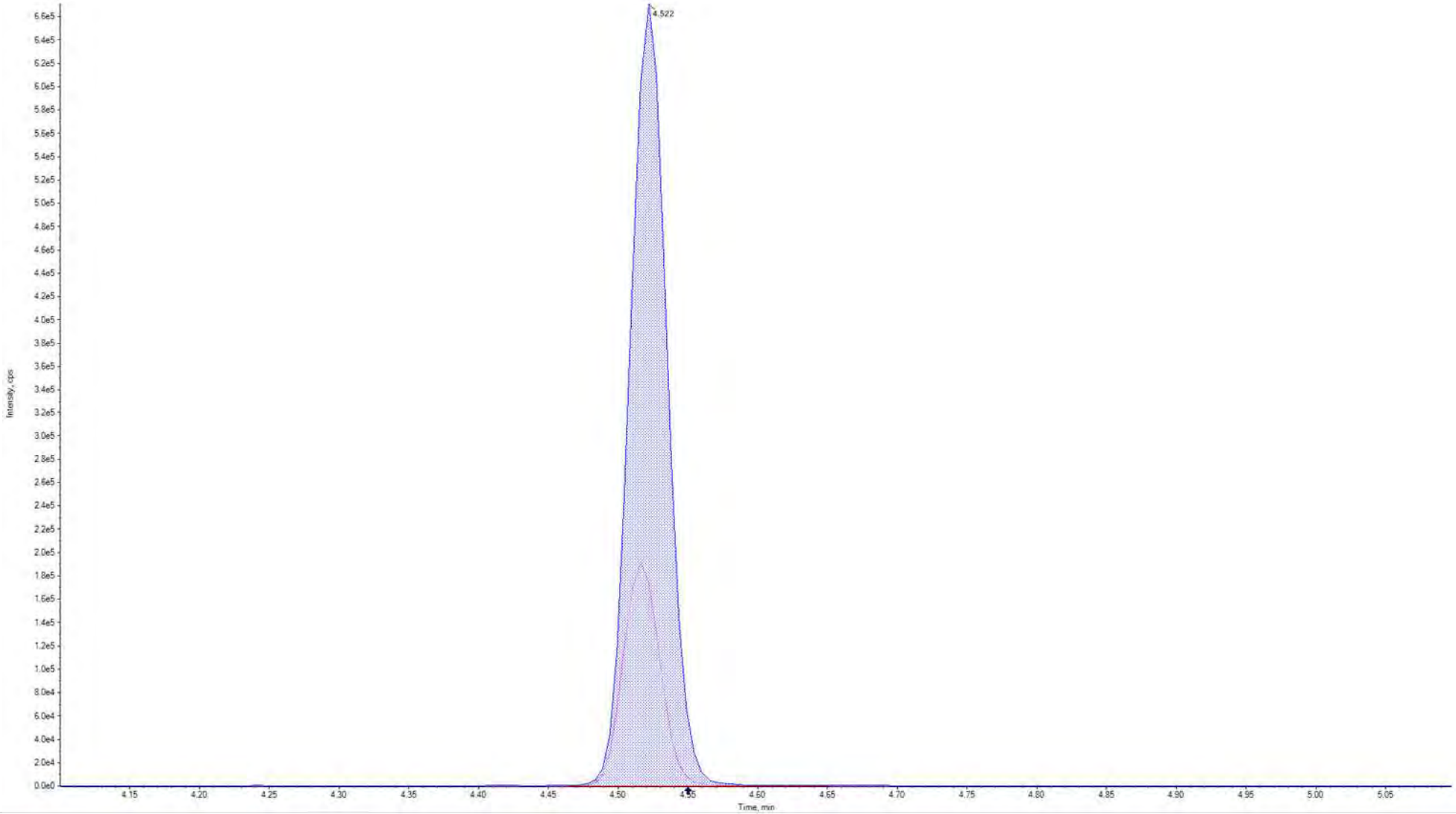
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_16.wiff2_2
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFUnA_2
Sample: WG2012688-2,1633FMED S/N:2038.3 Points Across peak:23



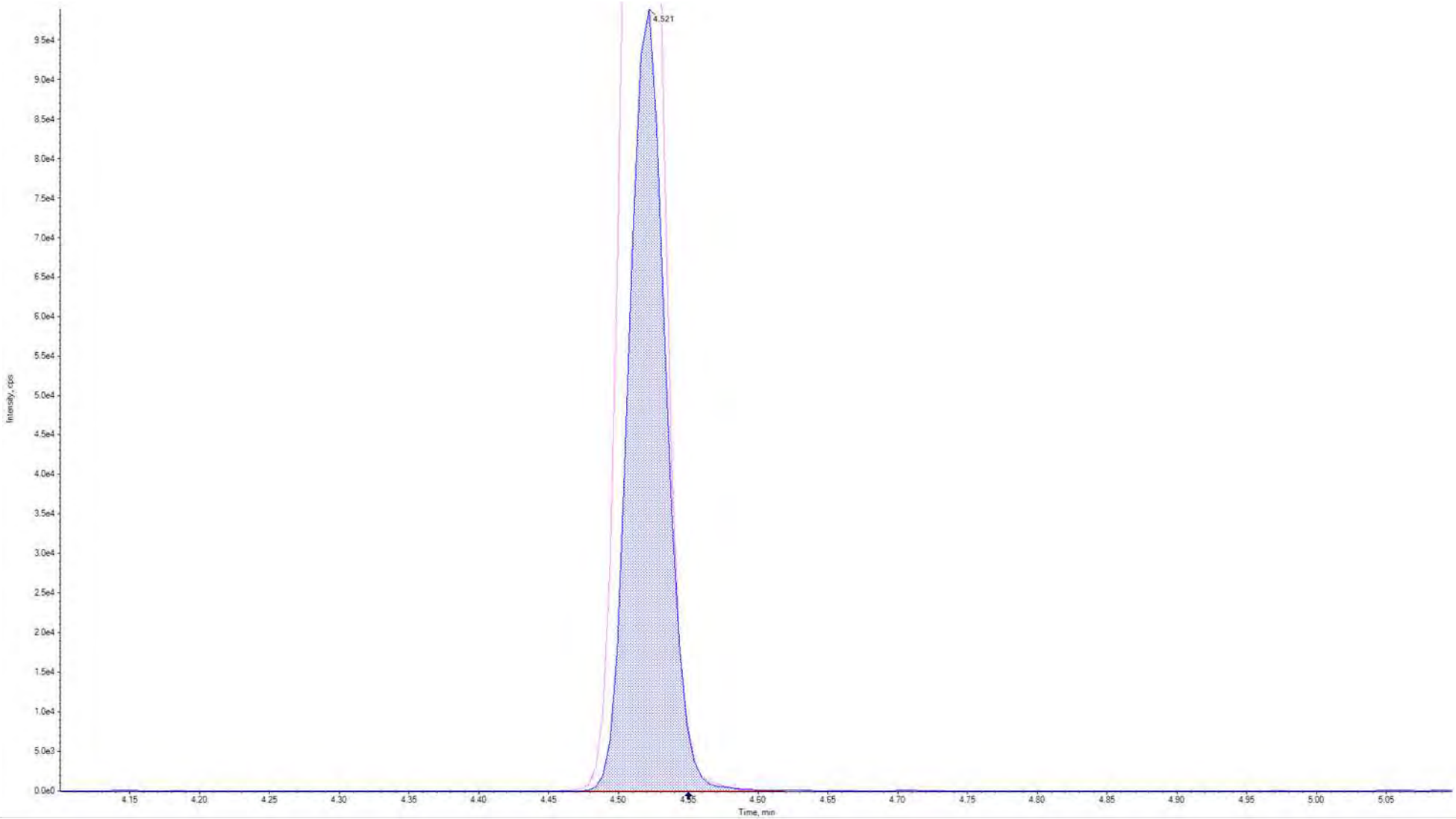
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_16.wiff2_2
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFDoA
Sample: WG2012688-2,1633FMED S/N:7909.7 Points Across peak:36



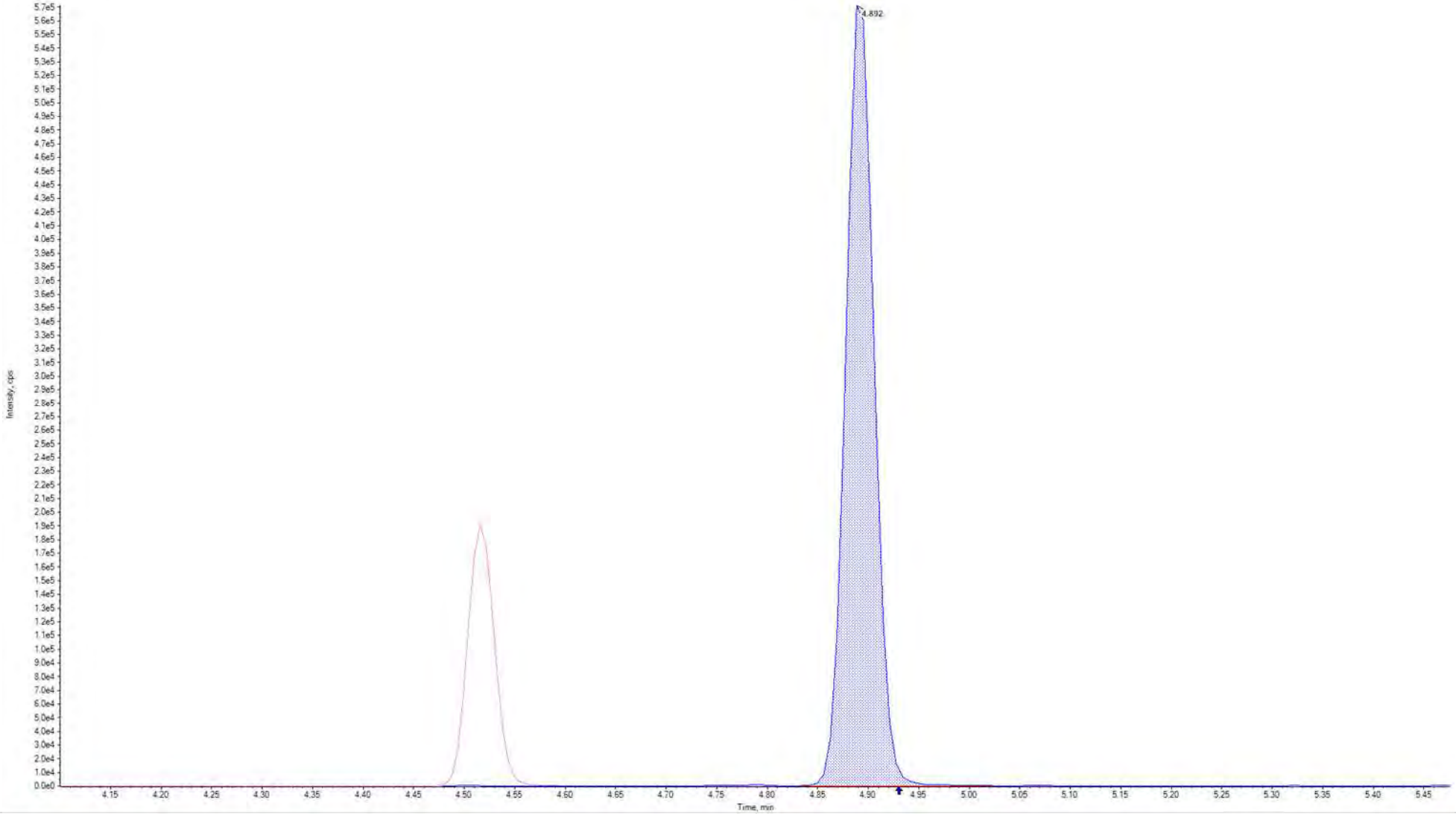
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_16.wiff2_2
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFDoA_2
Sample: WG2012688-2,1633FMED S/N:2726.8 Points Across peak:30



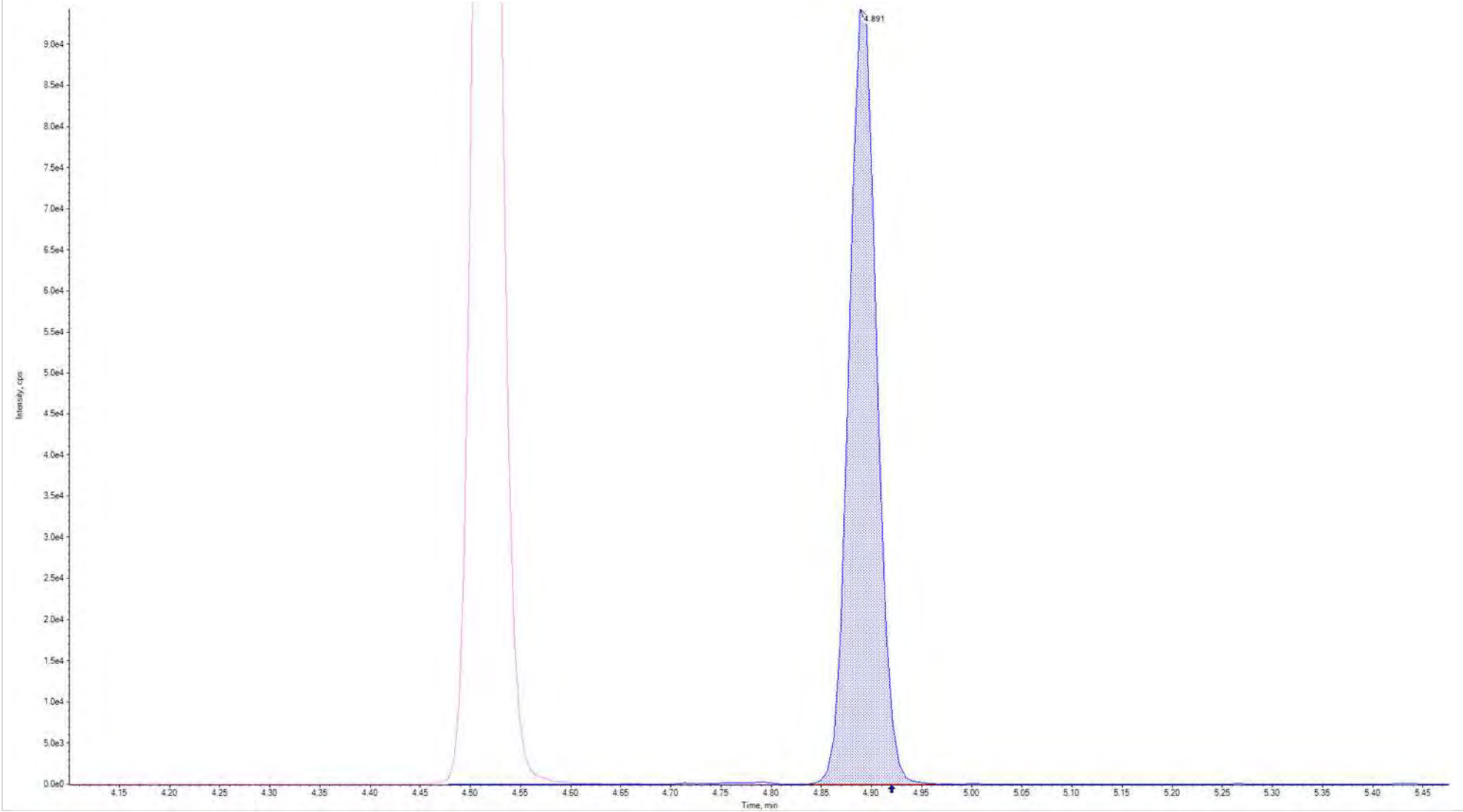
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_16.wiff2_2
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFTrDA
Sample: WG2012688-2,1633FMED S/N:22907.5 Points Across peak:32



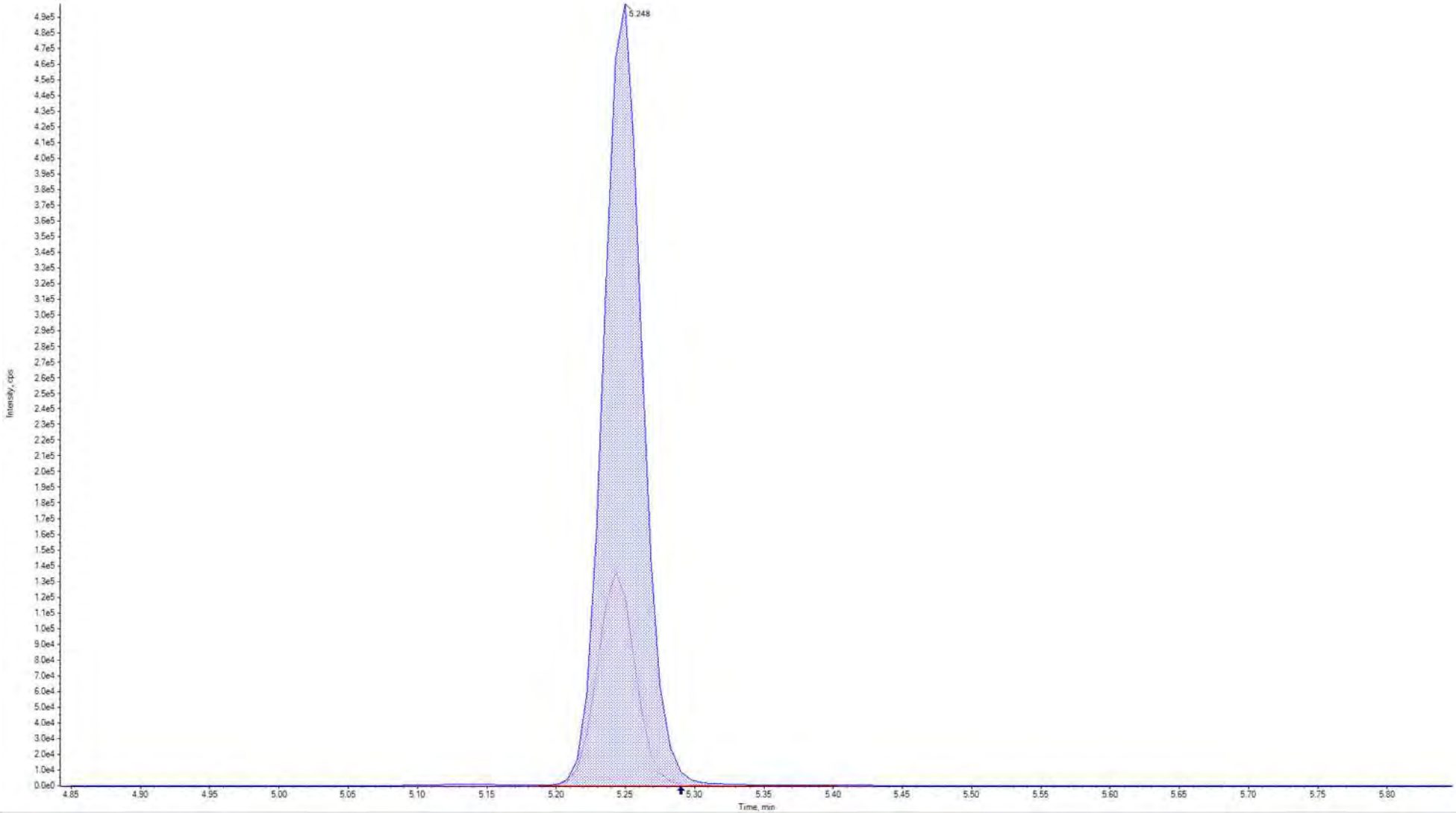
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_16.wiff2_2
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFTrDA_2
Sample: WG2012688-2,1633FMED S/N:3046.0 Points Across peak:24



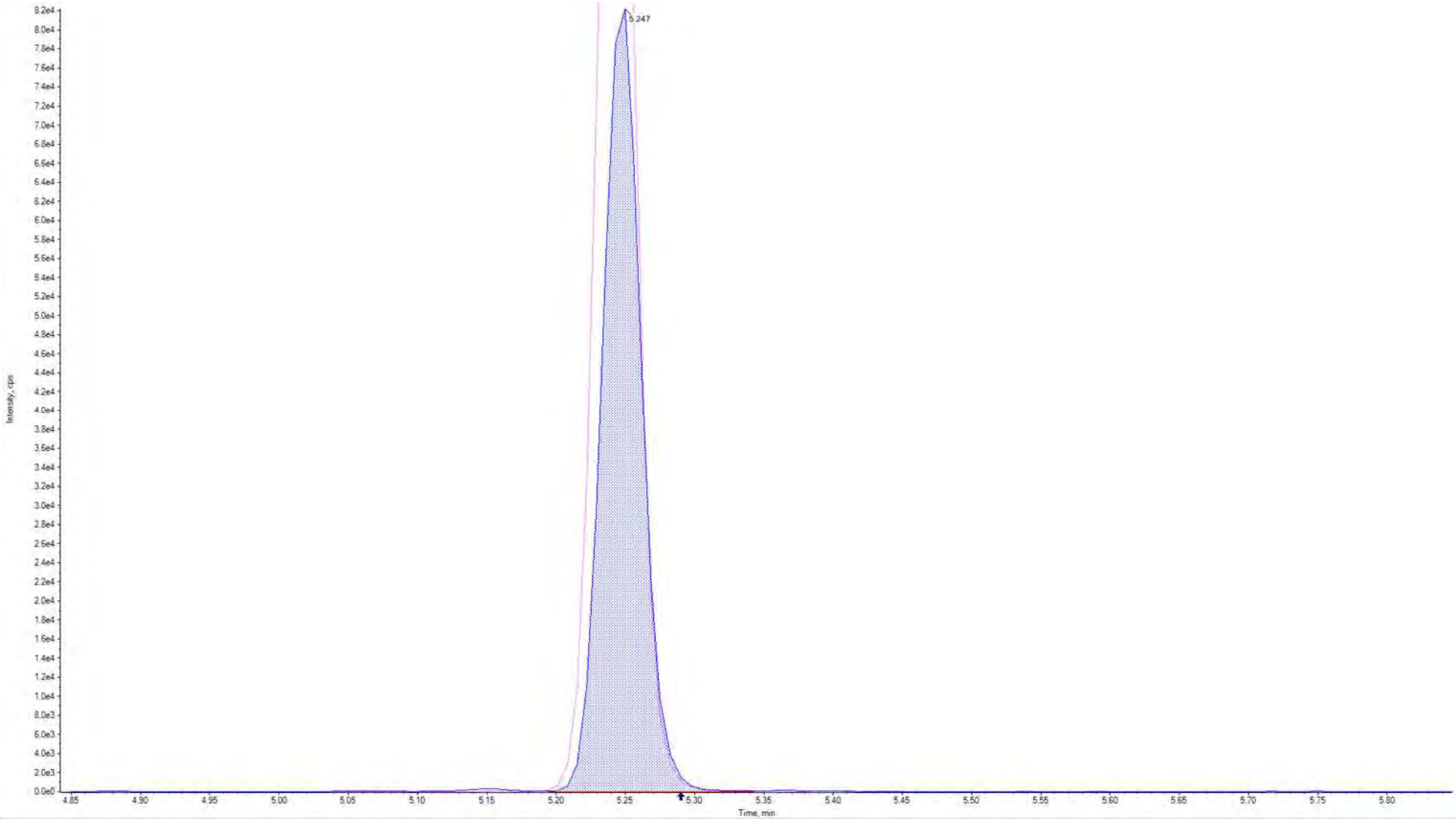
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_16.wiff2_2
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFTeDA
Sample: WG2012688-2,1633FMED S/N:3058.2 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_16.wiff2_2
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFTeDA_2
Sample: WG2012688-2,1633FMED S/N:5148.6 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/24/2024 7:52:08 AM
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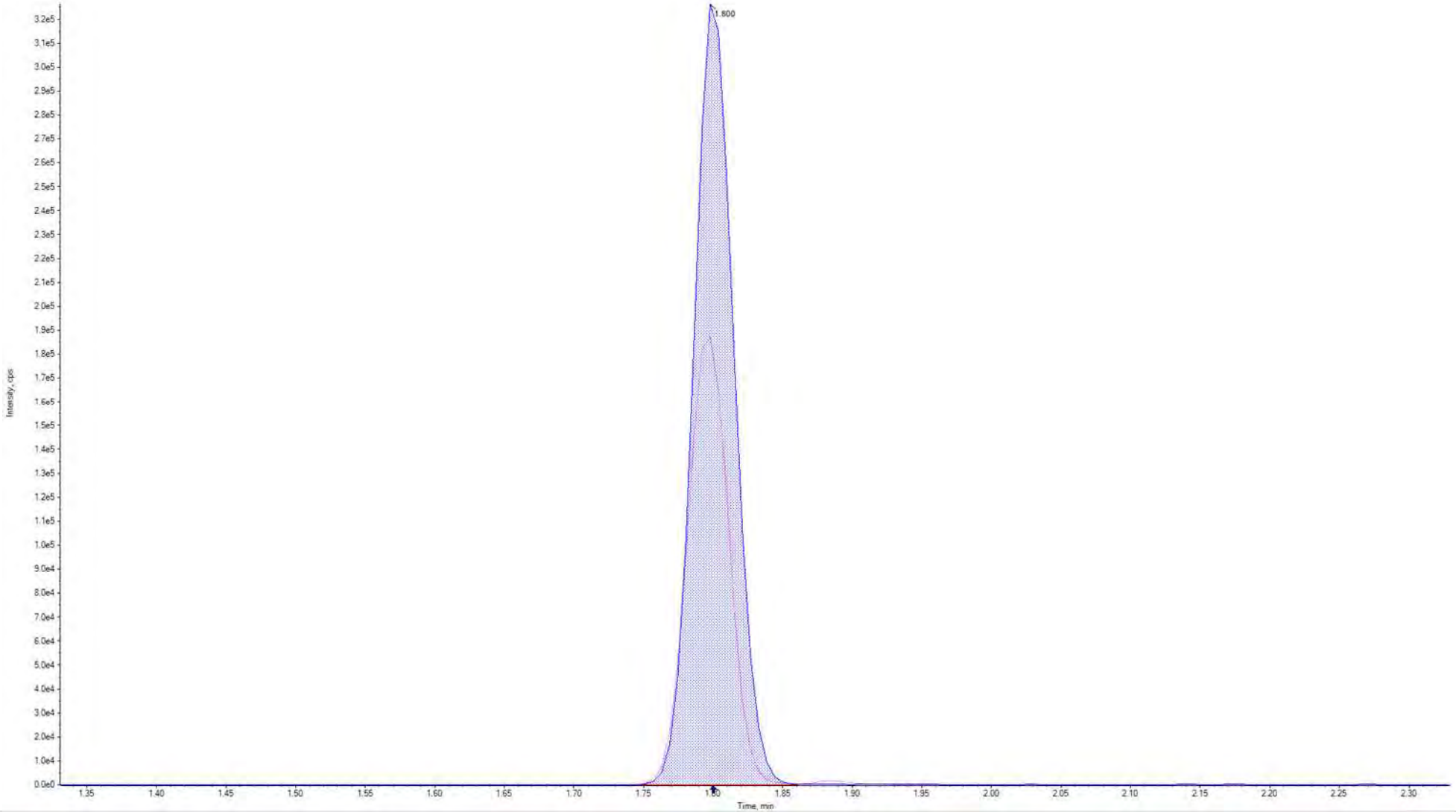
PFBS
Sample: WG2012688-2,1633FMED S/N:3454.1 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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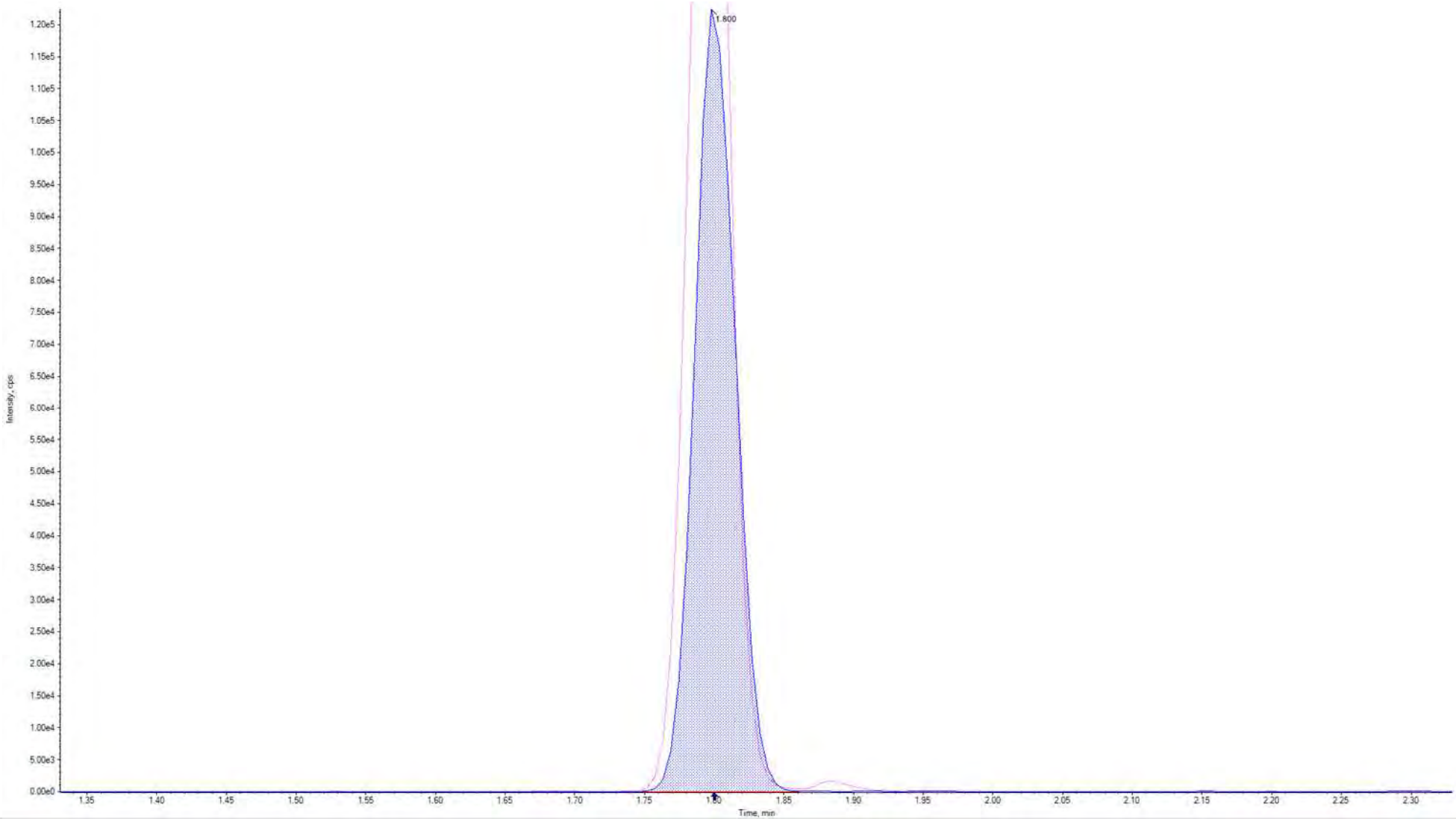
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFBS_2
Sample: WG2012688-2,1633FMED S/N:3069.2 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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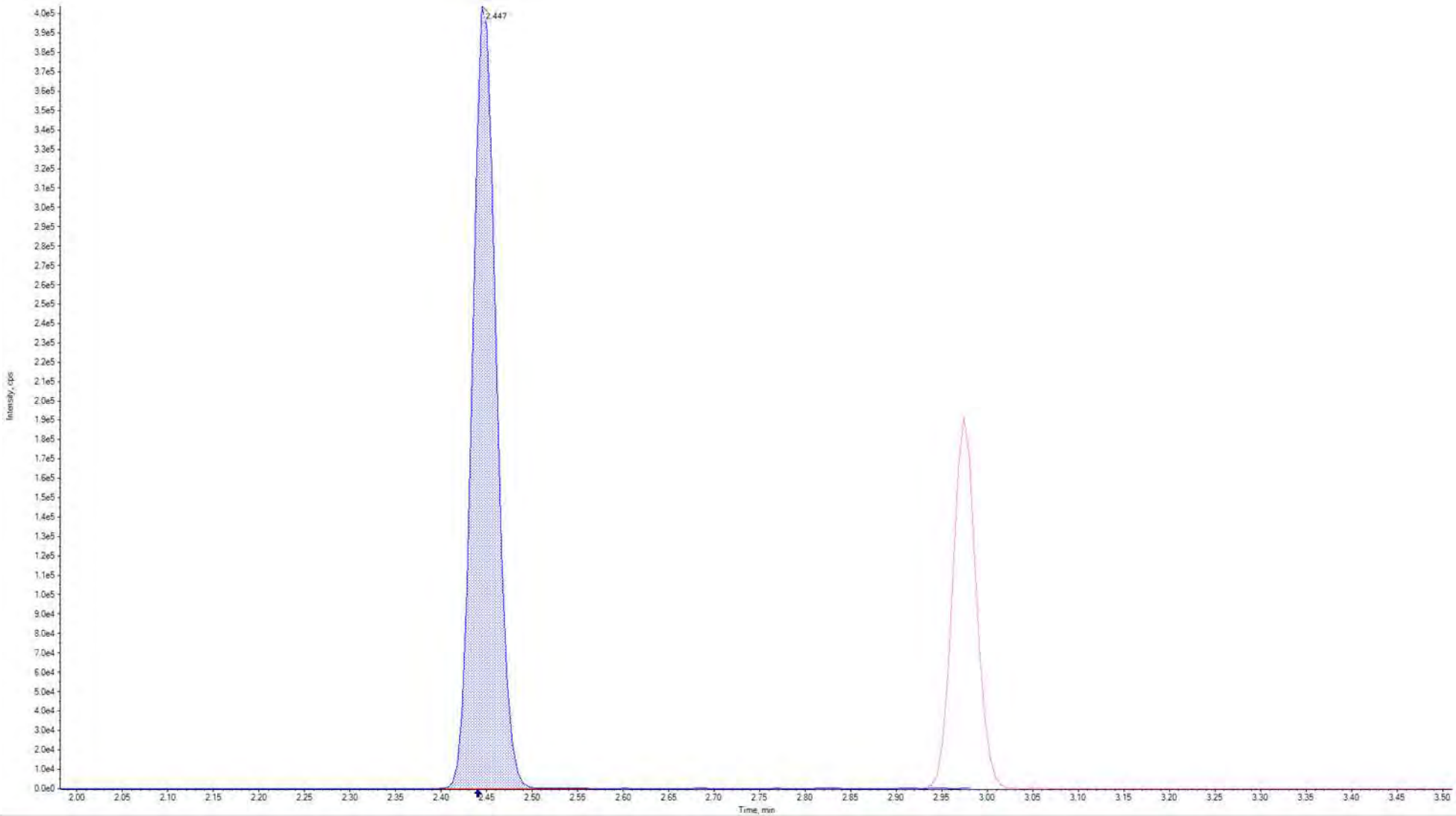
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFPeS
Sample: WG2012688-2,1633FMED S/N:8097.1 Points Across peak:40



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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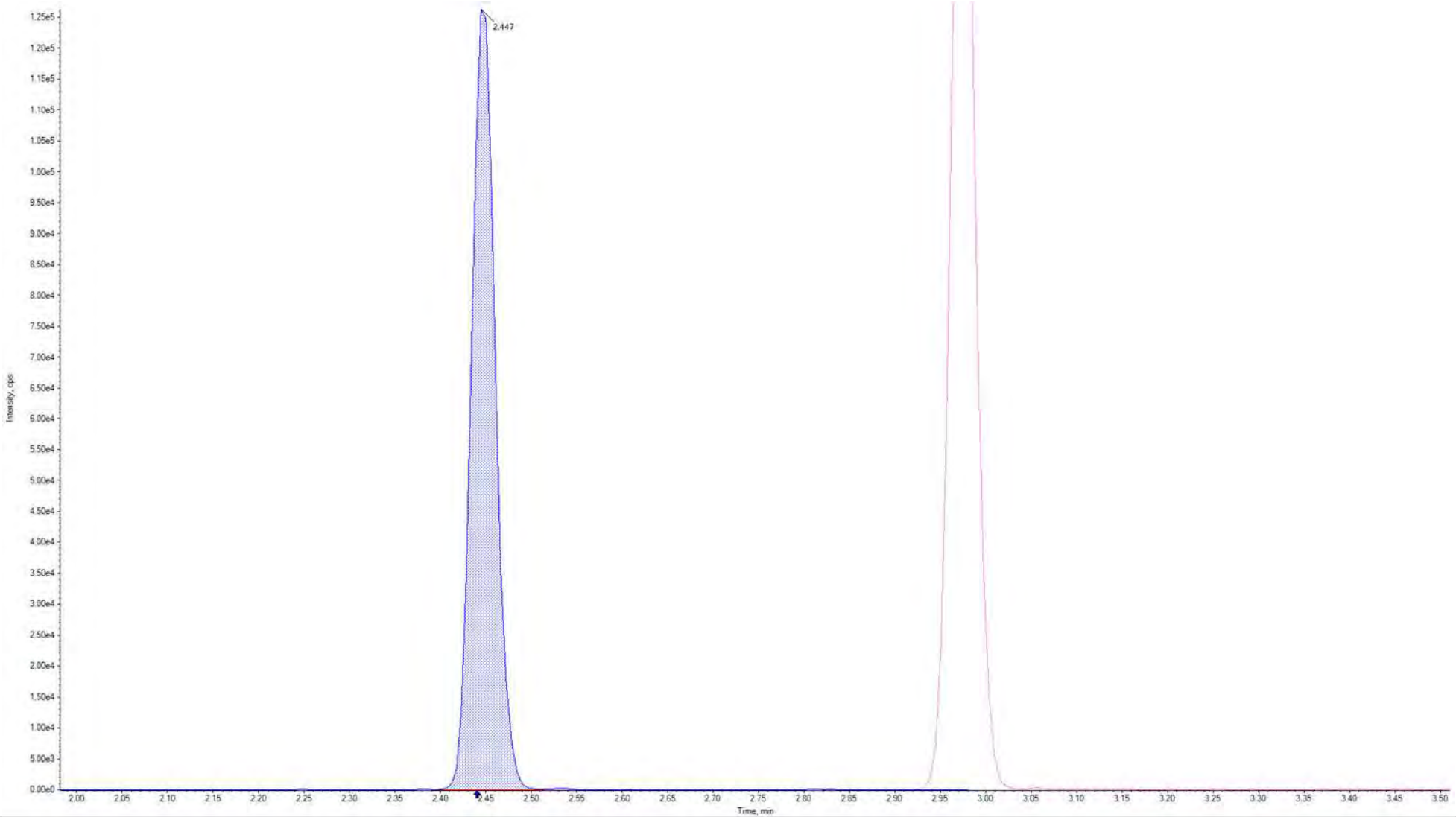
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFPeS_2
Sample: WG2012688-2,1633FMED S/N:2533.3 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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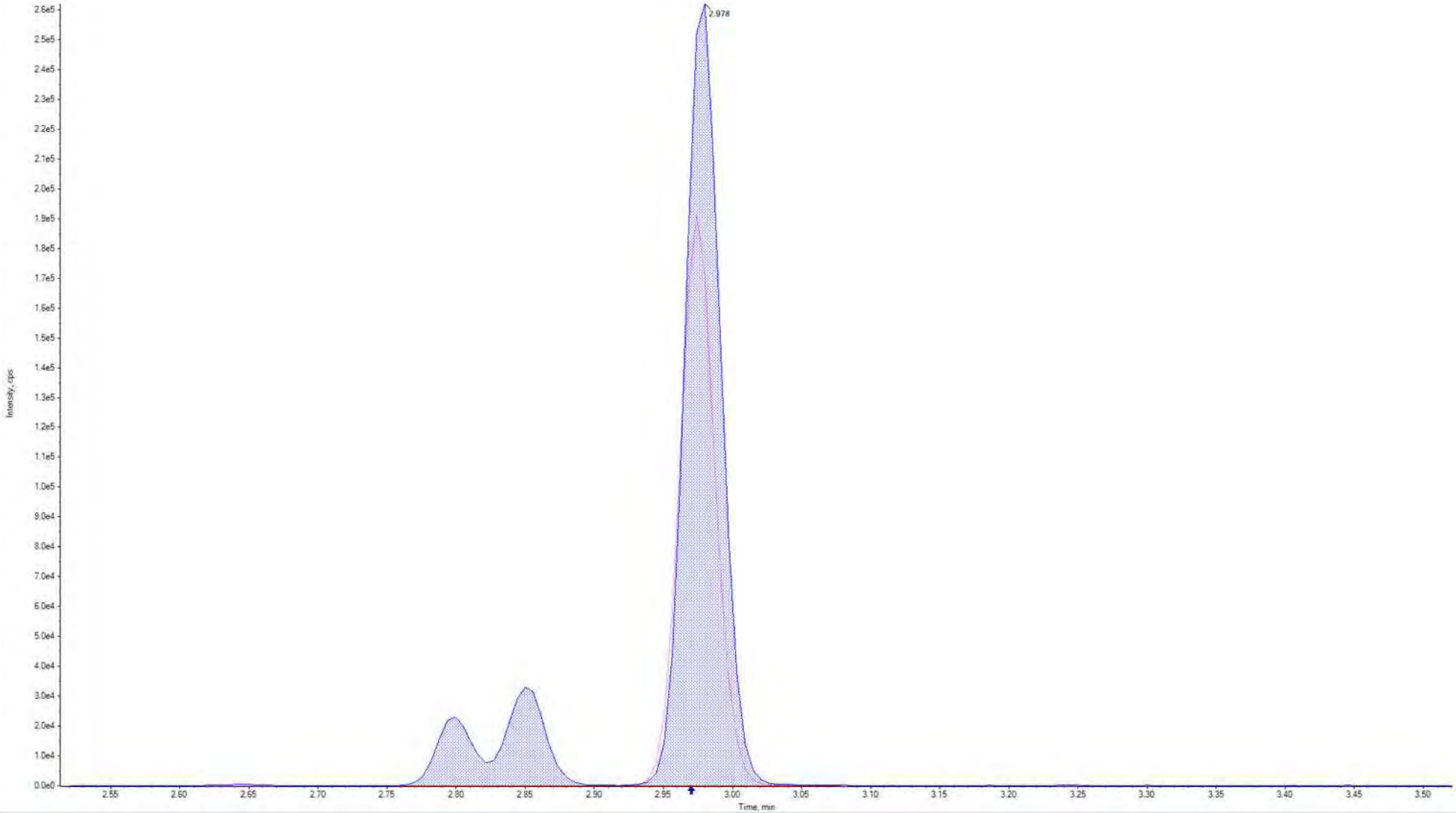
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFHxS
Sample: WG2012688-2,1633FMED S/N:1131.8 Points Across peak:57



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/24/2024 7:52:08 AM
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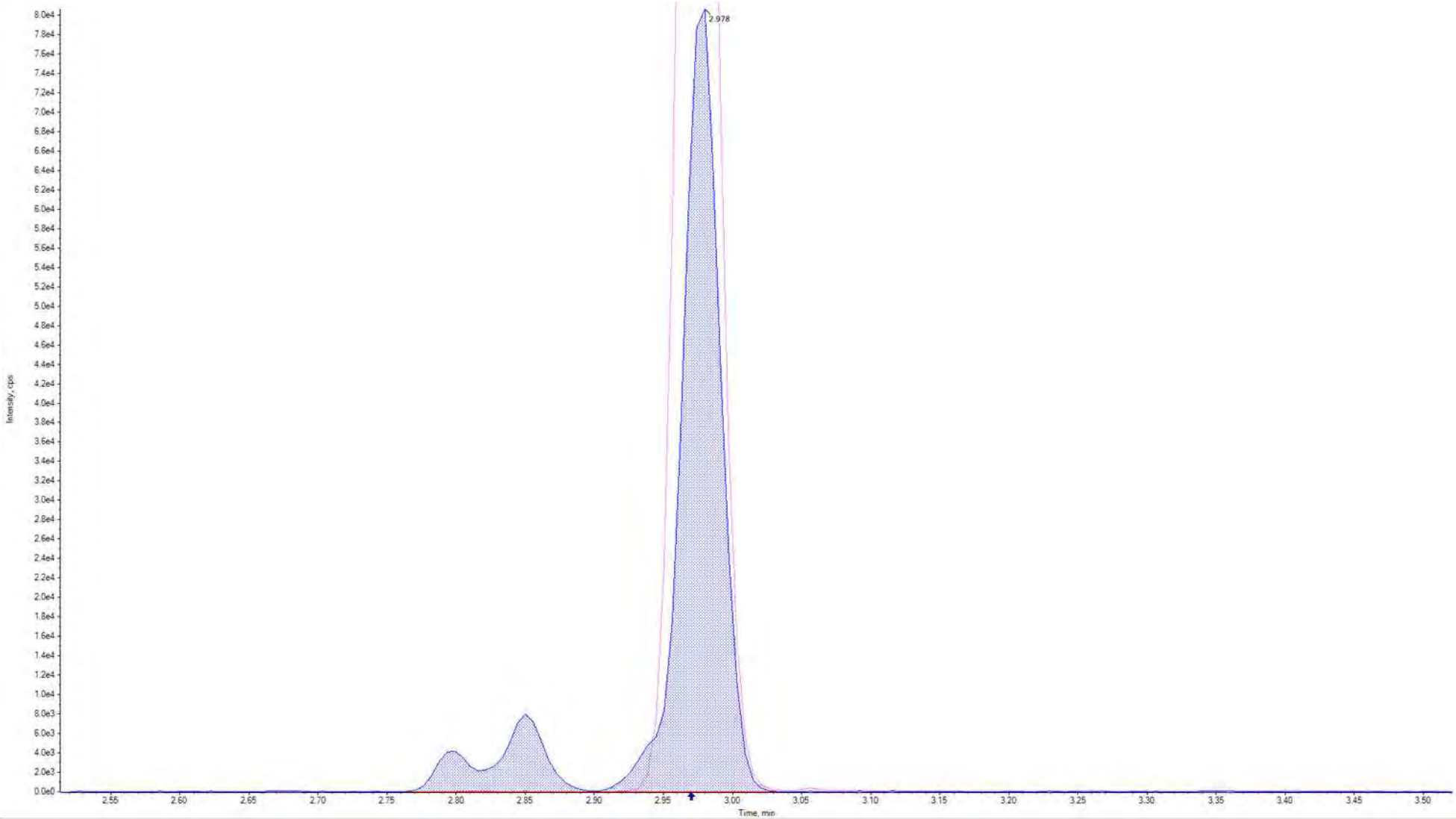
PFHxS_2
Sample: WG2012688-2,1633FMED S/N:1435.6 Points Across peak:50



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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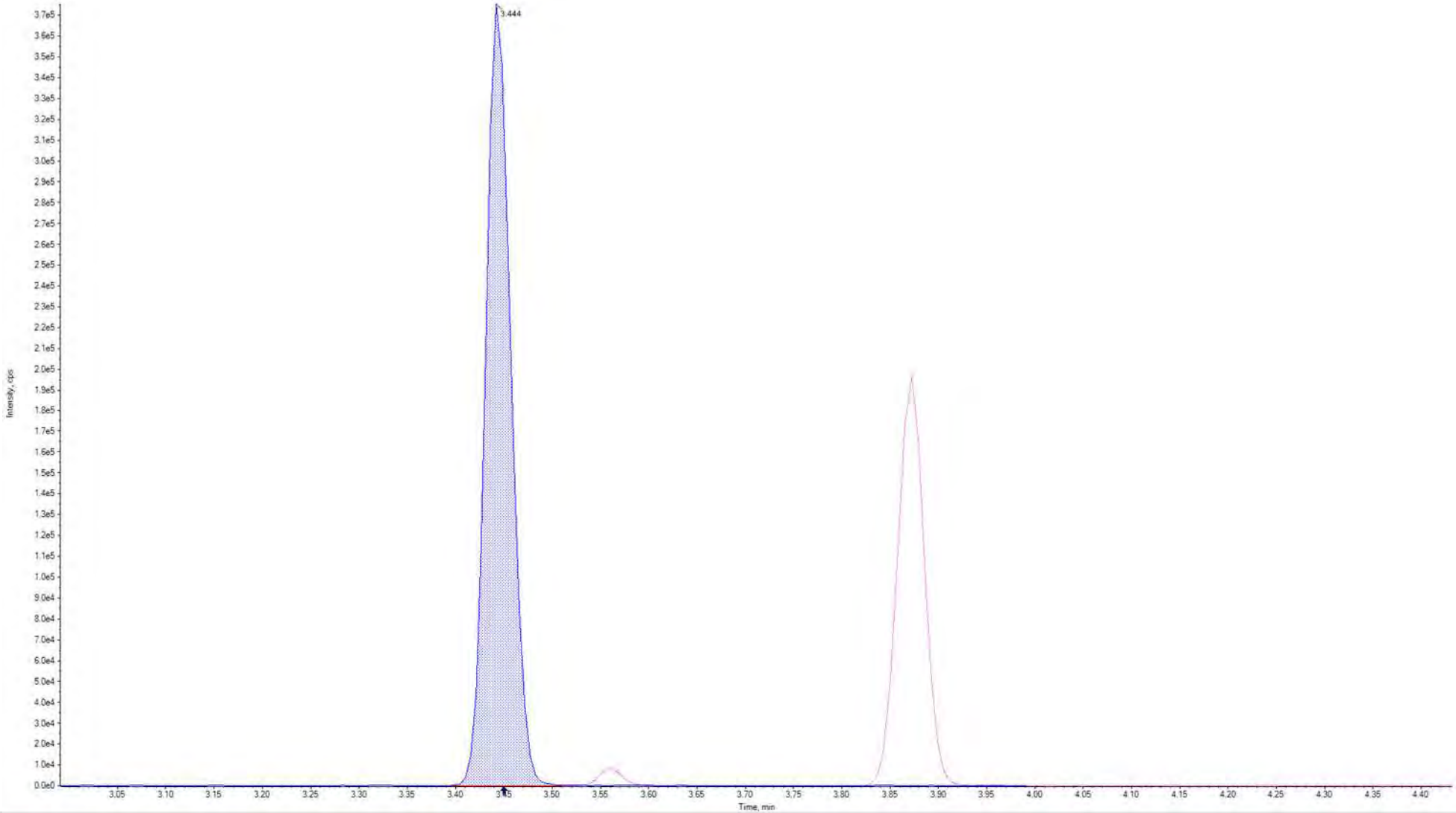
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFHpS
Sample: WG2012688-2,1633FMED S/N:7527.4 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/24/2024 7:52:08 AM
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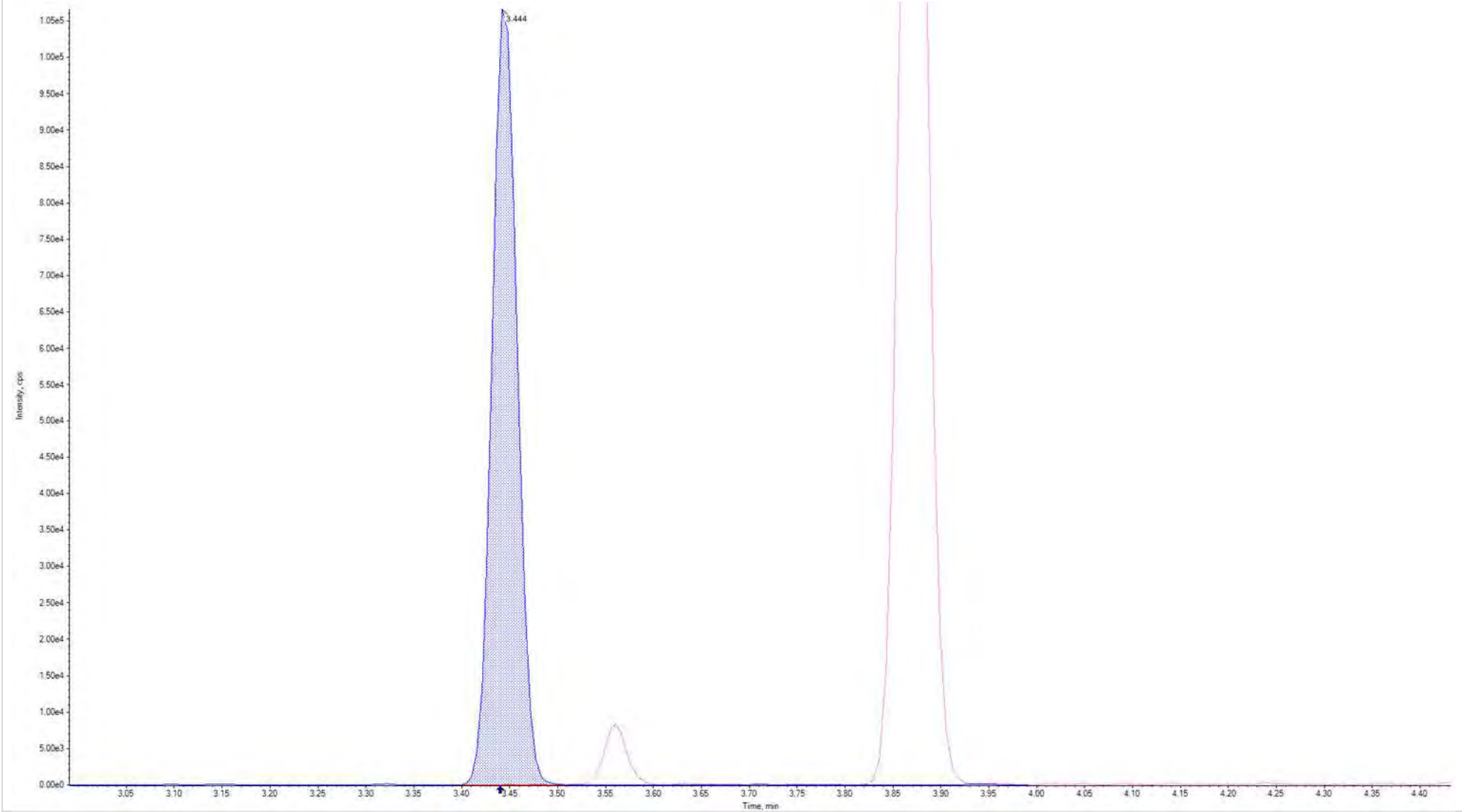
PFHpS_2
Sample: WG2012688-2,1633FMED S/N:2138.3 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/24/2024 7:52:08 AM
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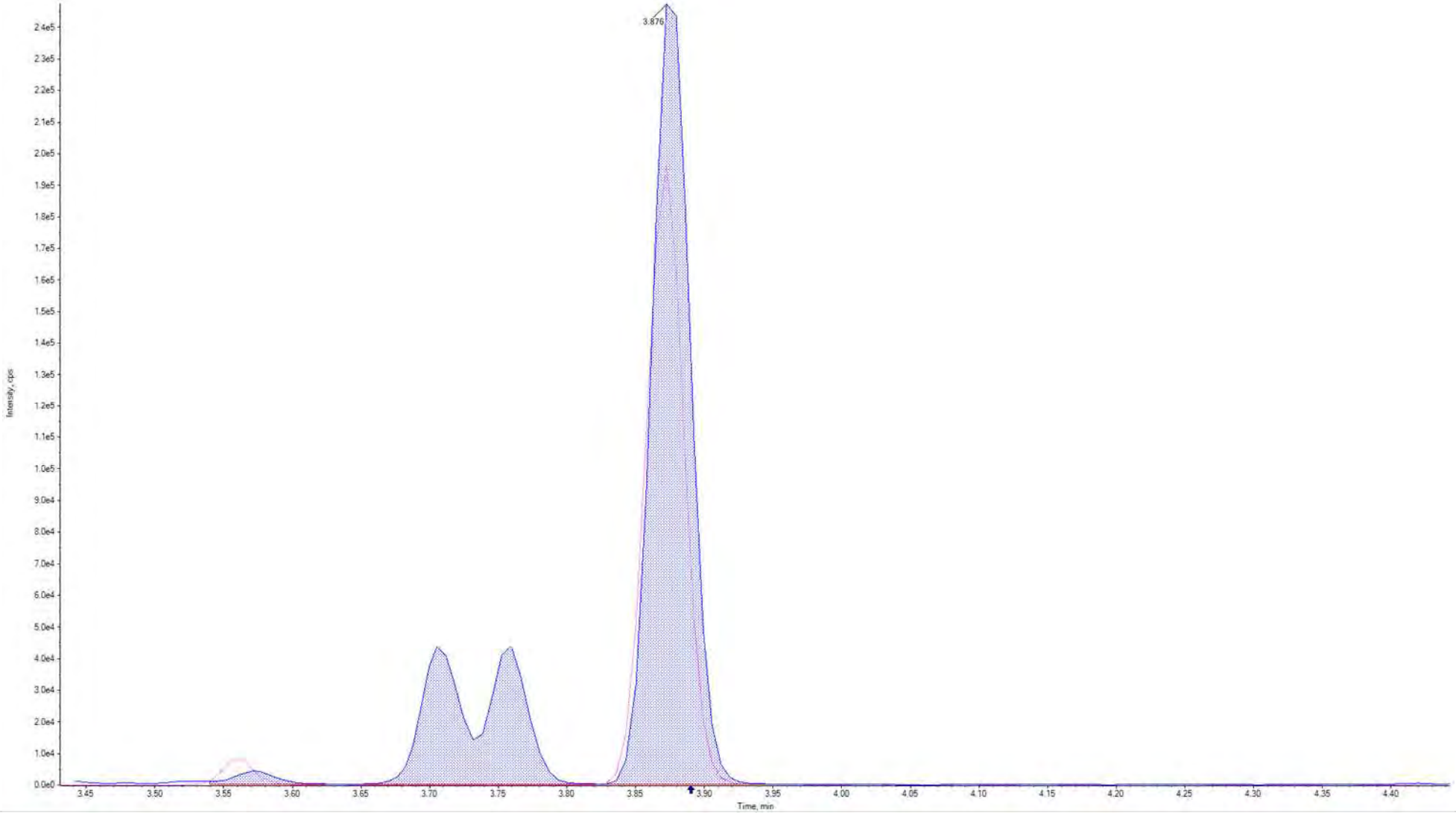
PFOS
Sample: WG2012688-2,1633FMED S/N:374.7 Points Across peak:71



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/24/2024 7:52:08 AM
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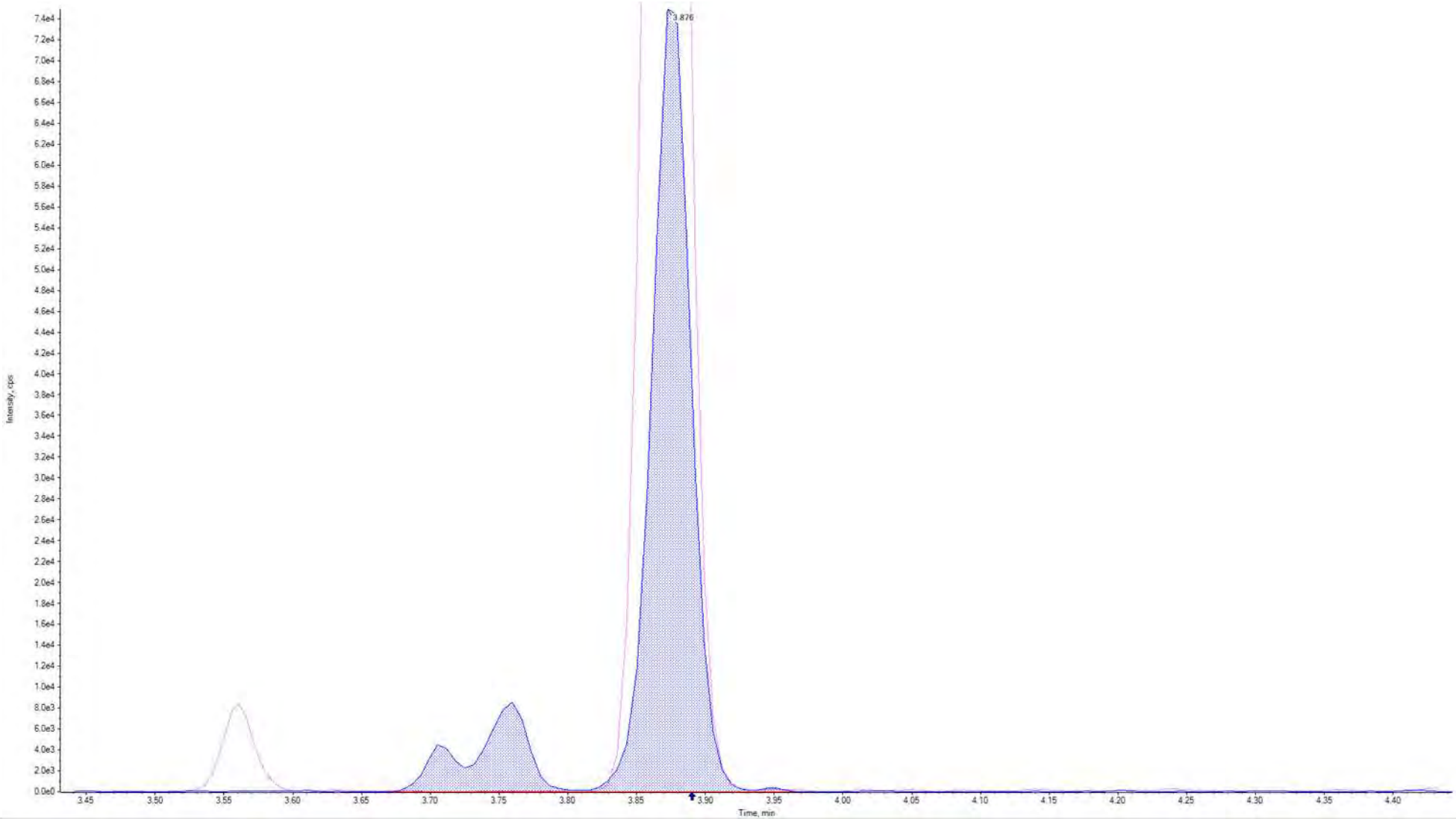
PFOS_2
Sample: WG2012688-2,1633FMED S/N:795.0 Points Across peak:52



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/24/2024 7:52:08 AM
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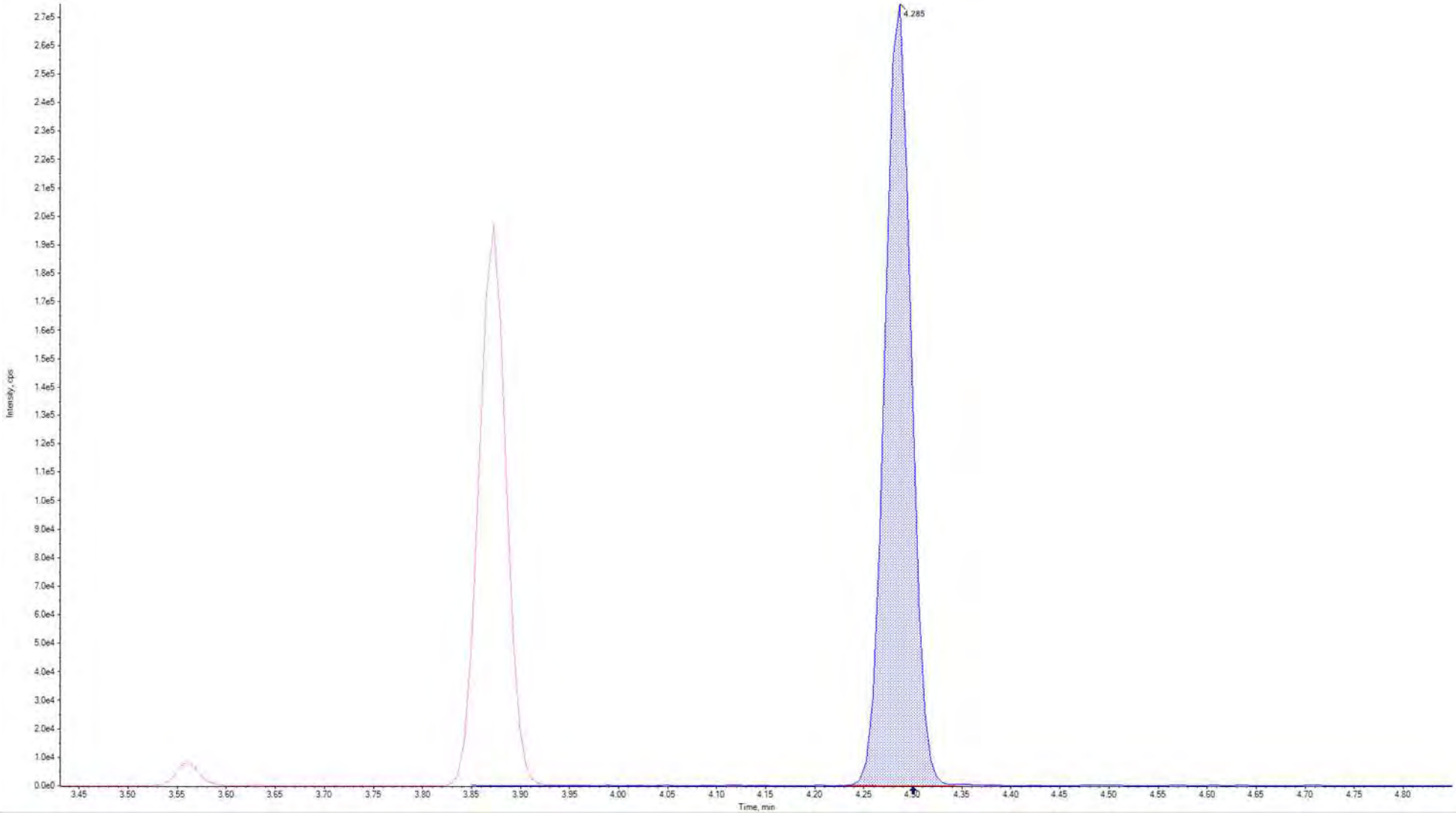
PFNS
Sample: WG2012688-2,1633FMED S/N:6882.6 Points Across peak:20



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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Last Altered: 12/24/2024 7:52:08 AM
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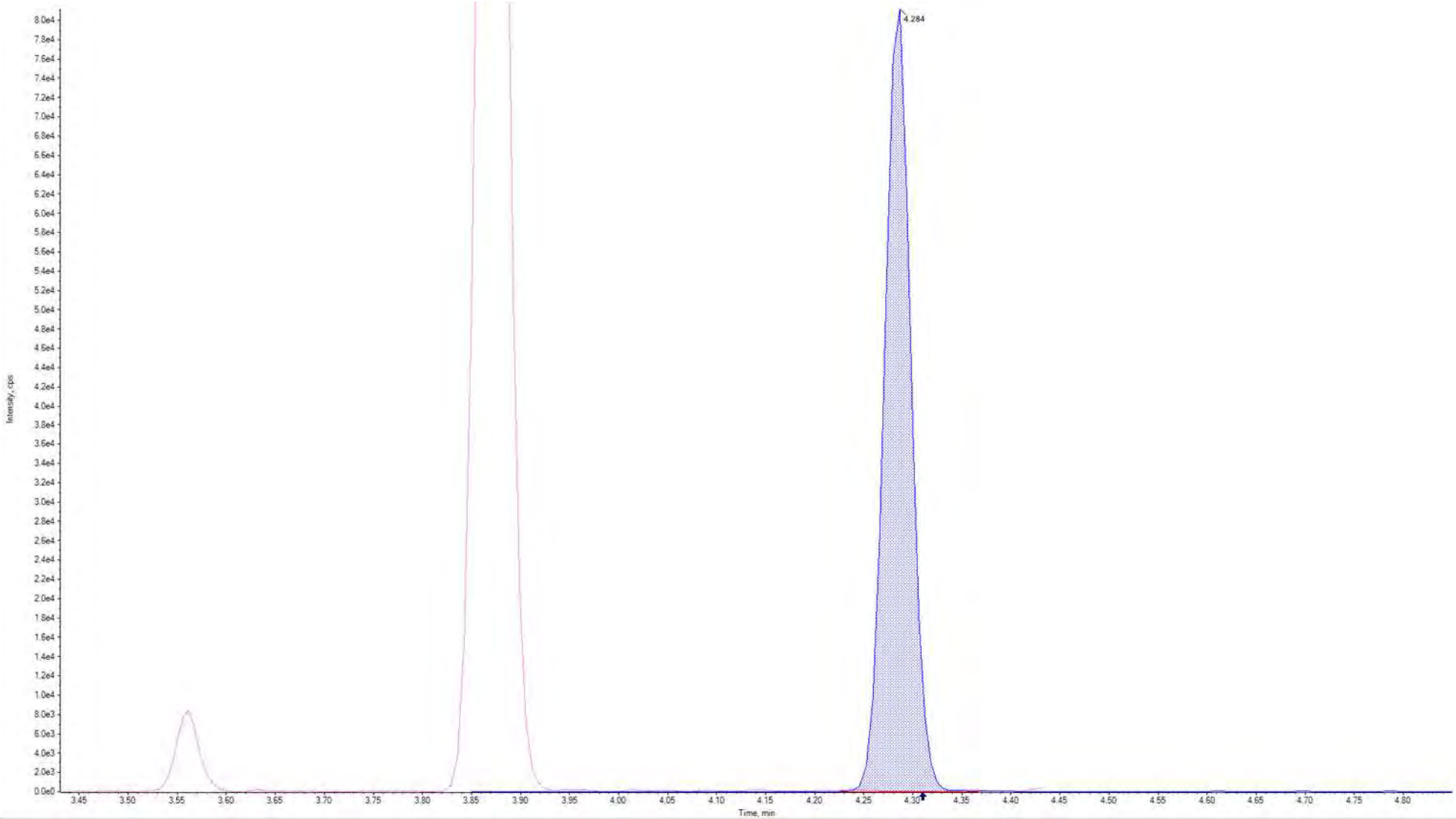
PFNS_2
Sample: WG2012688-2,1633FMED S/N:2034.5 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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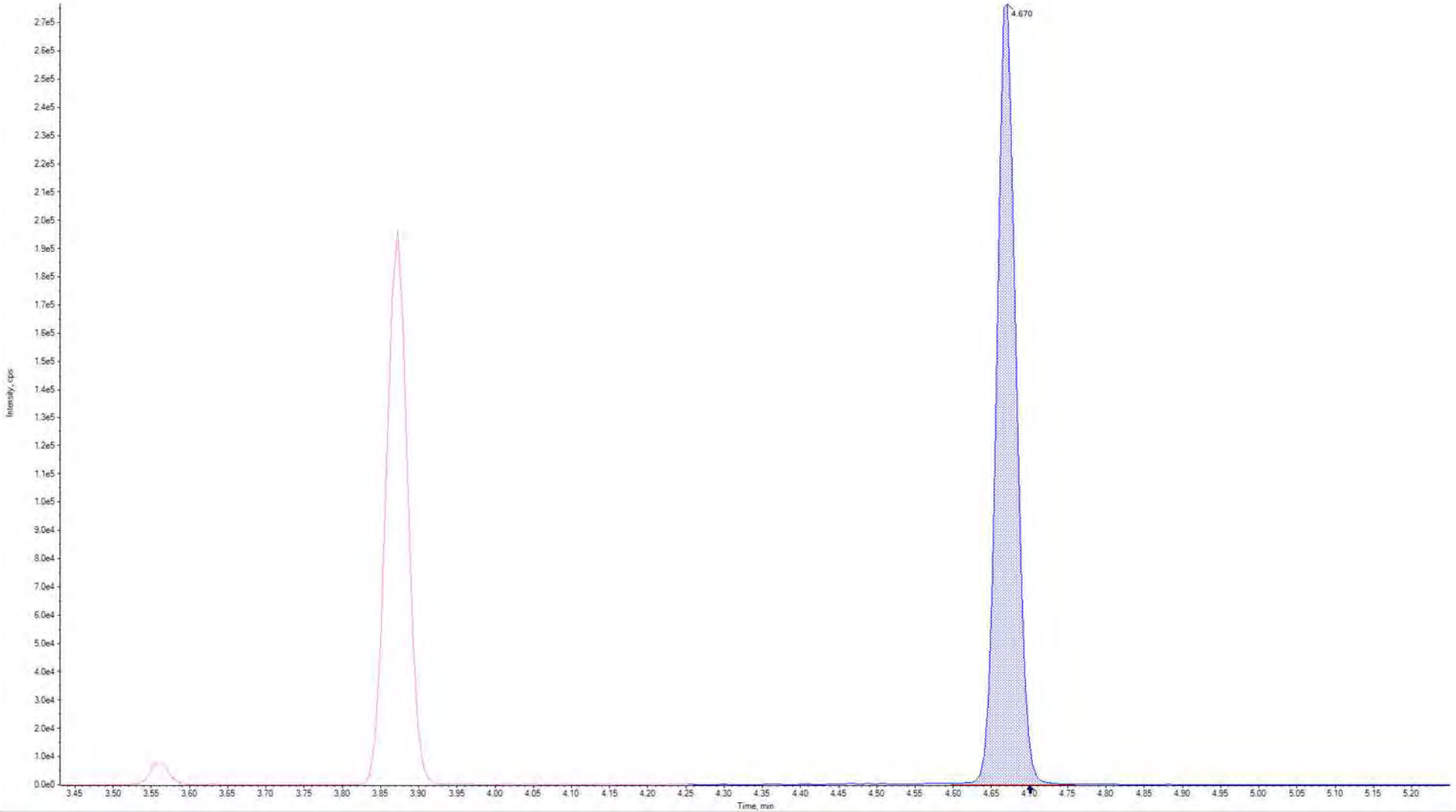
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFDS
Sample: WG2012688-2,1633FMED S/N:7958.7 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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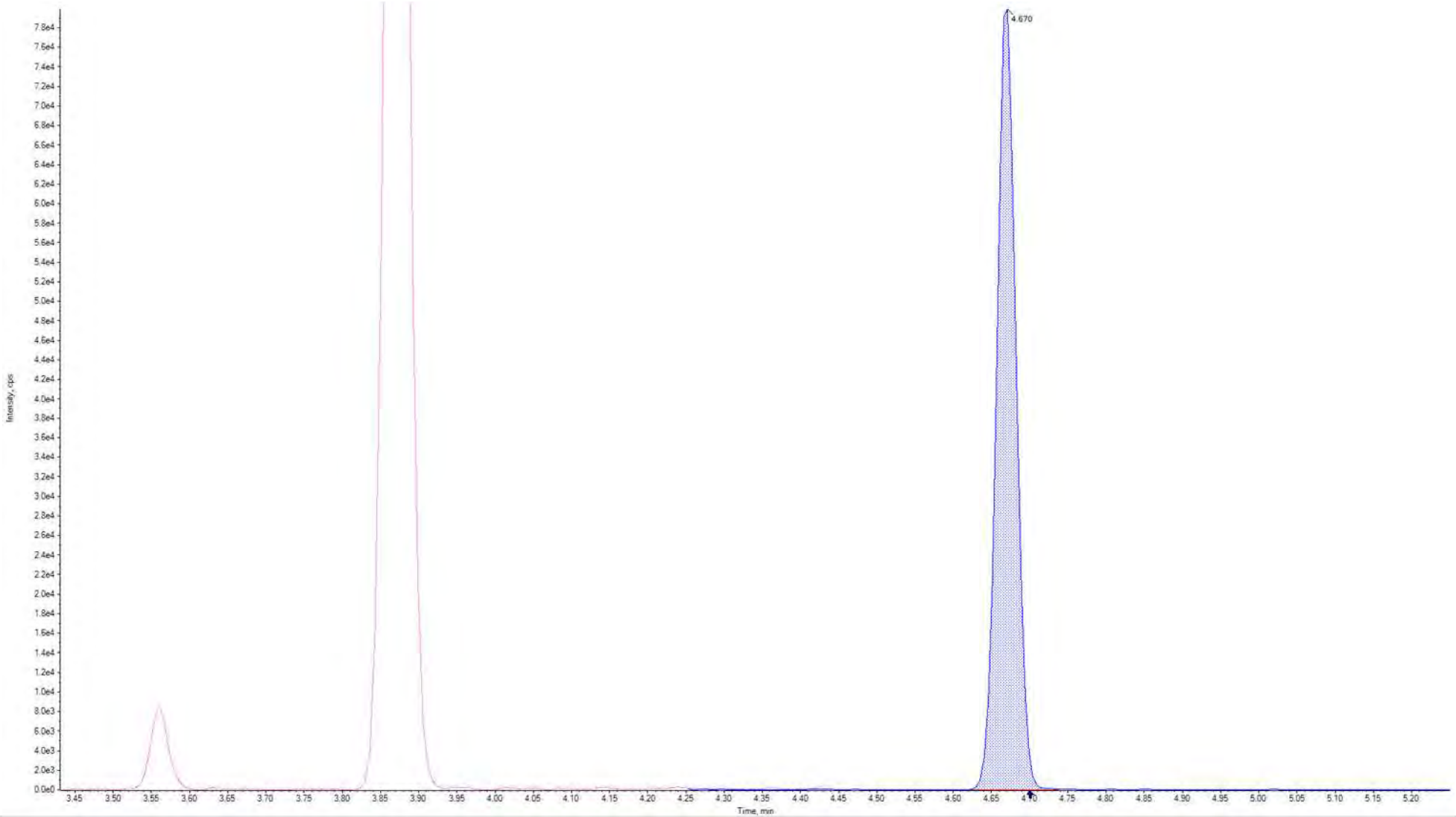
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFDS_2
Sample: WG2012688-2,1633FMED S/N:2803.9 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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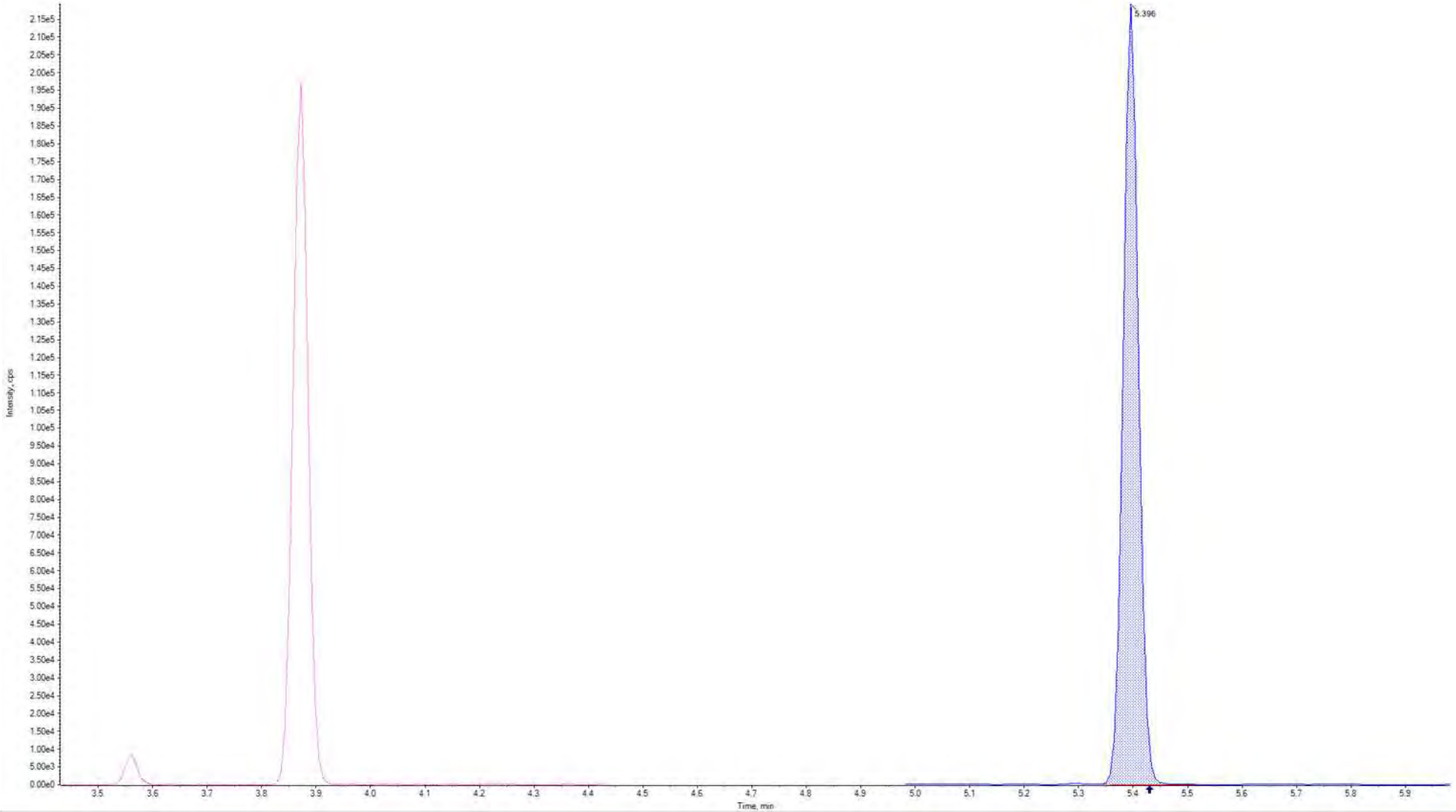
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFDoS
Sample: WG2012688-2,1633FMED S/N:4002.0 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/24/2024 7:52:08 AM
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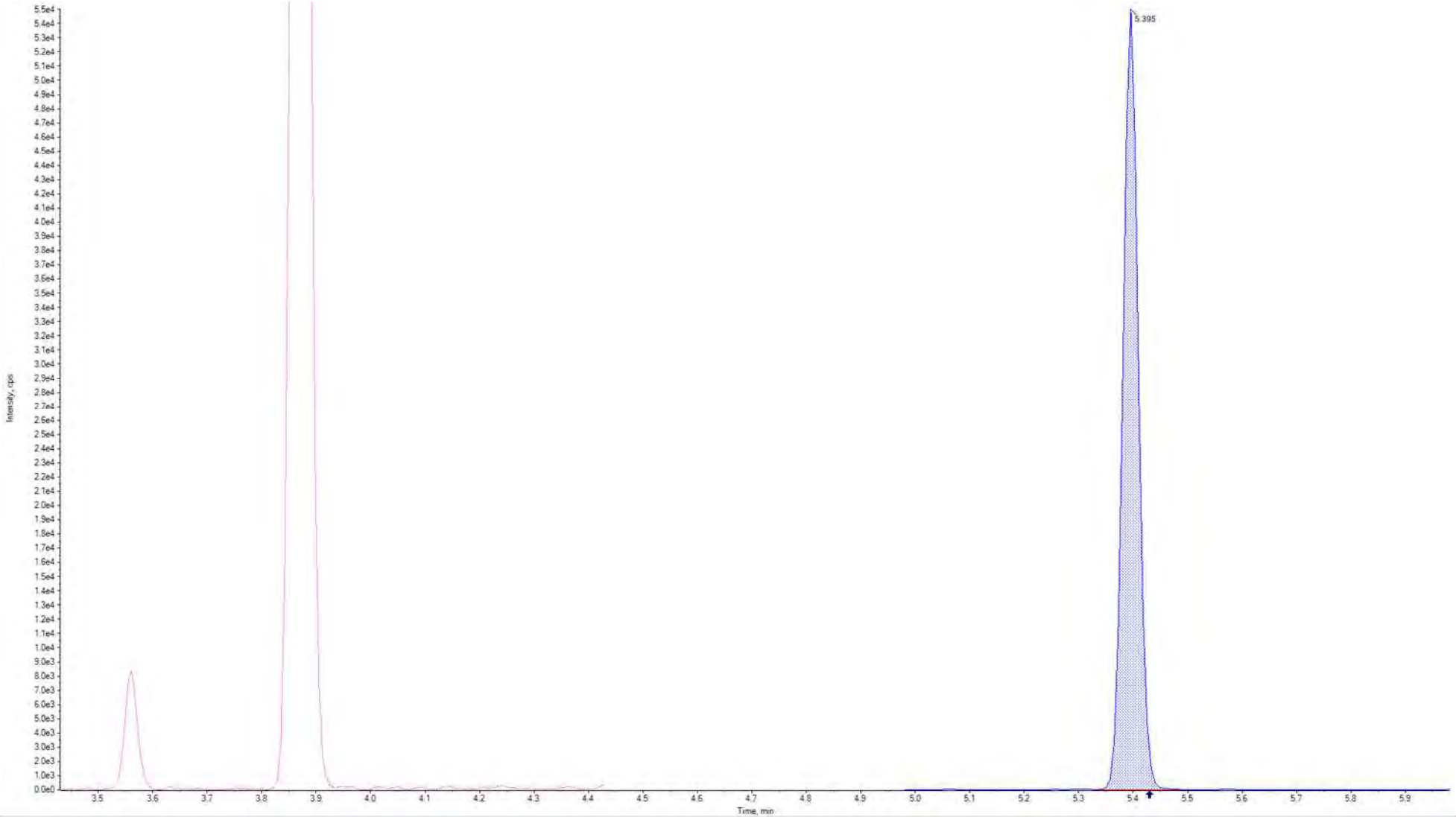
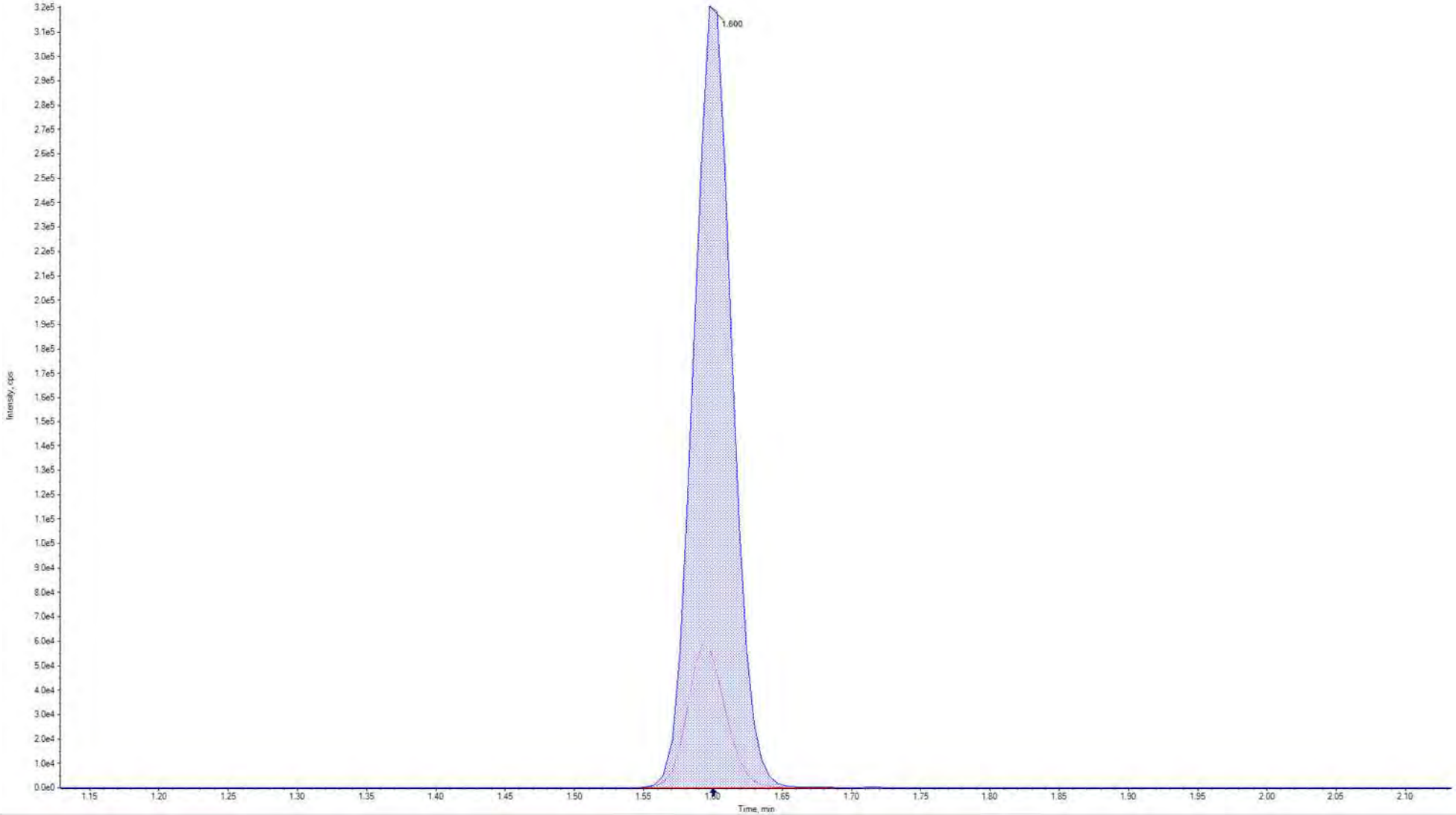
PFDoS_2
Sample: WG2012688-2,1633FMED S/N:4274.2 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_16.wiff2_2
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

4:2FTS
Sample: WG2012688-2,1633FMED S/N:7956.9 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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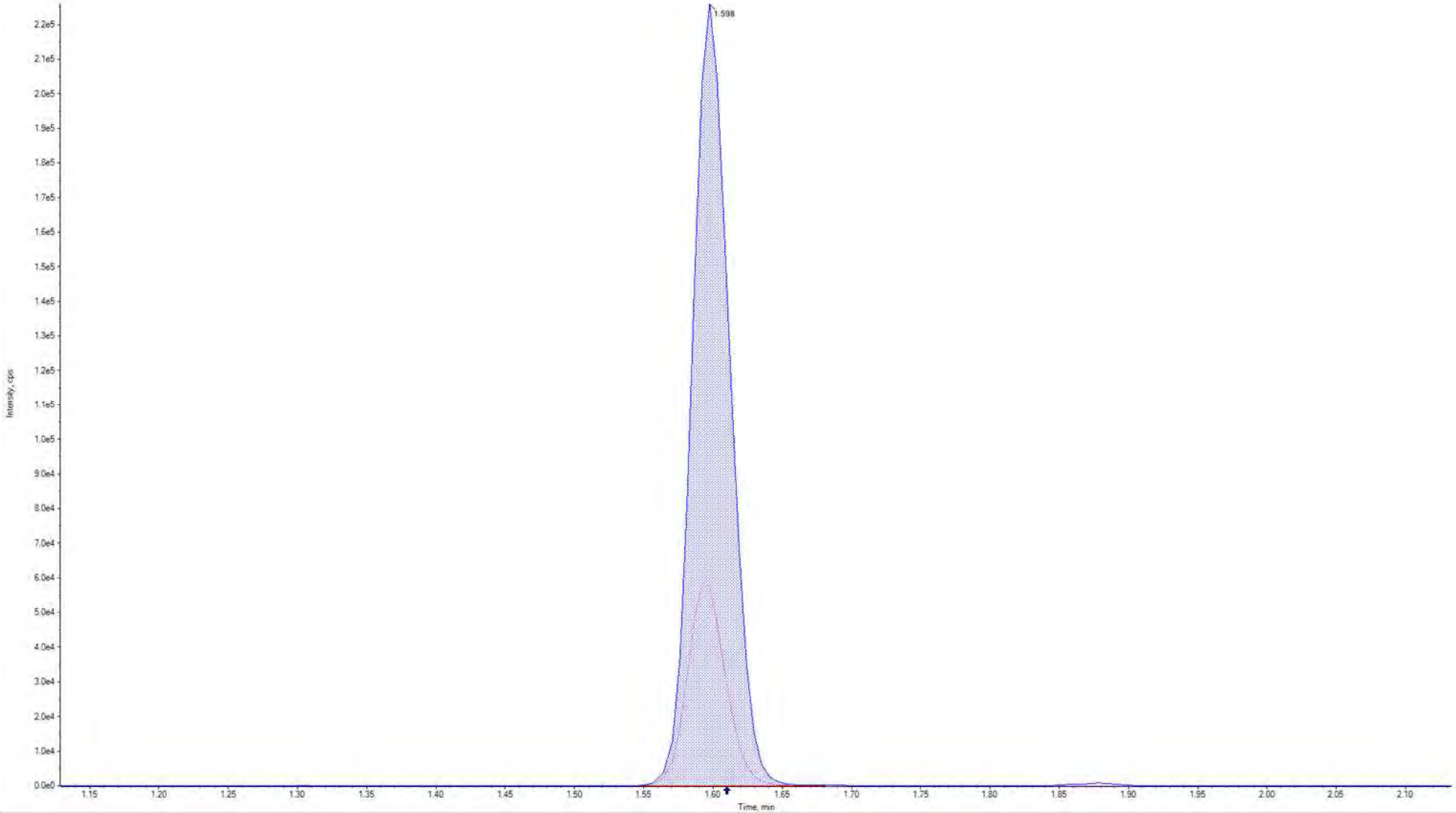
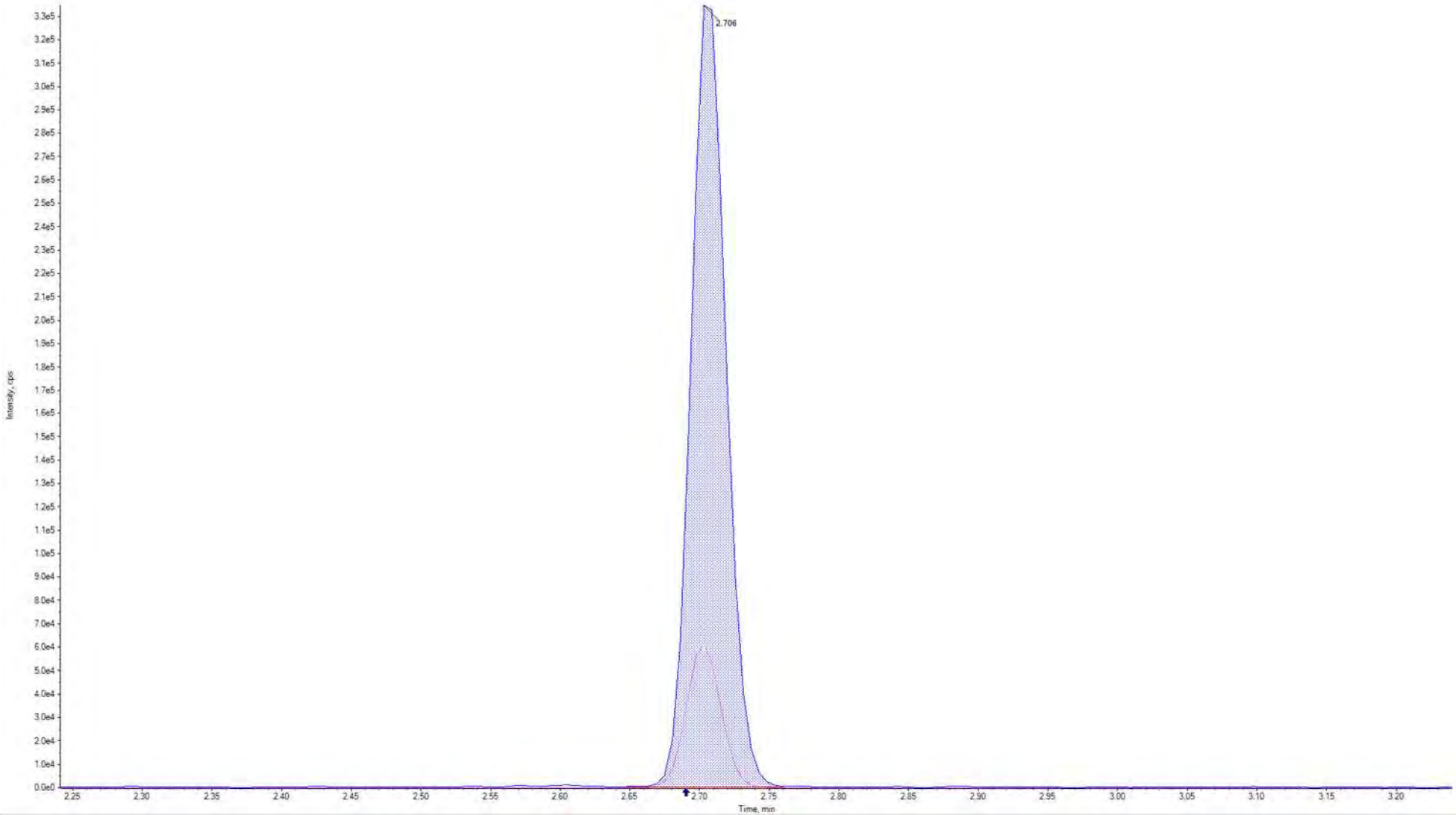
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

4:2FTS_2
Sample: WG2012688-2,1633FMED S/N:4994.6 Points Across peak:30



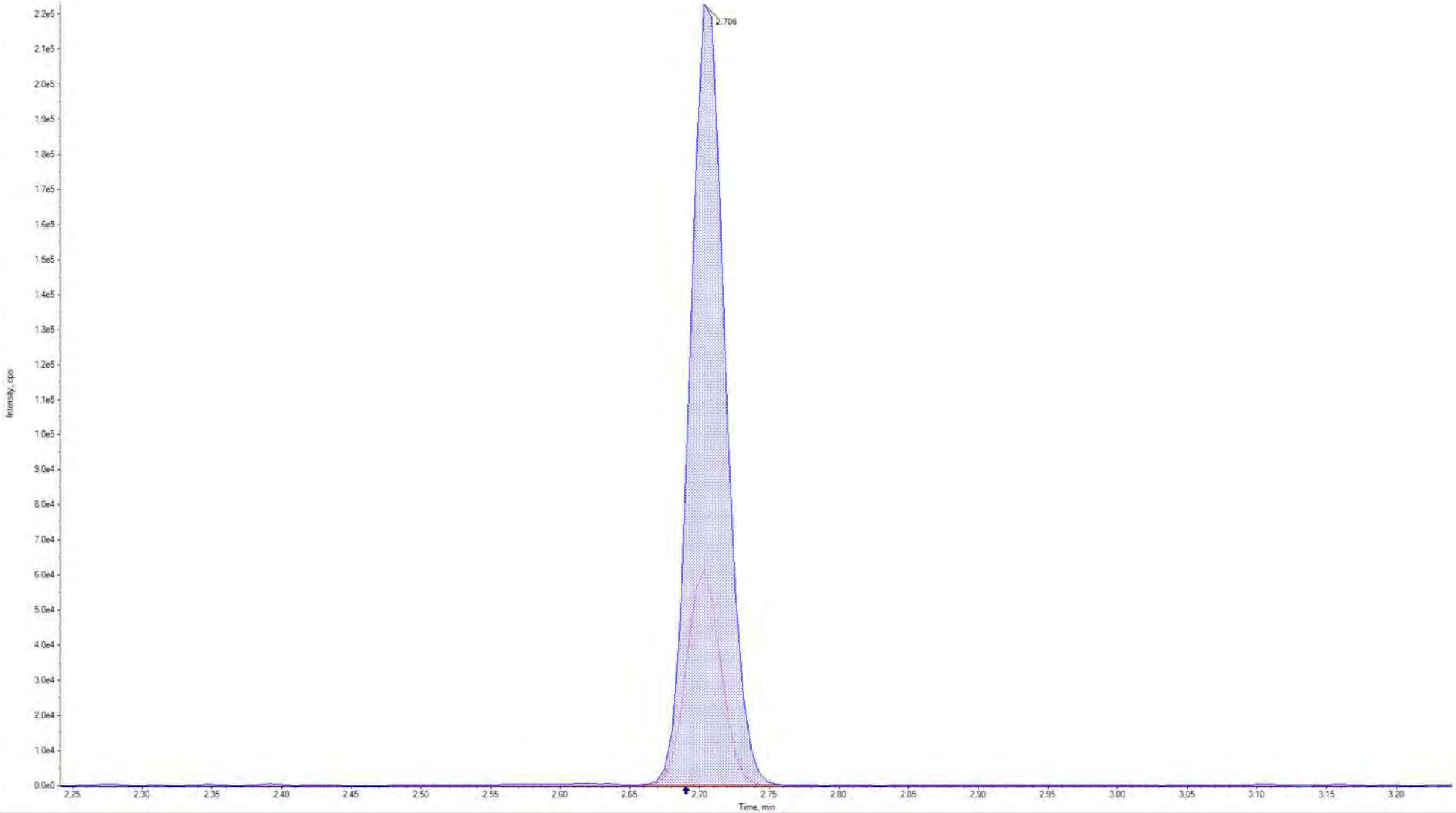
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_16.wiff2_2
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

6:2FTS
Sample: WG2012688-2,1633FMED S/N:4206.4 Points Across peak:22



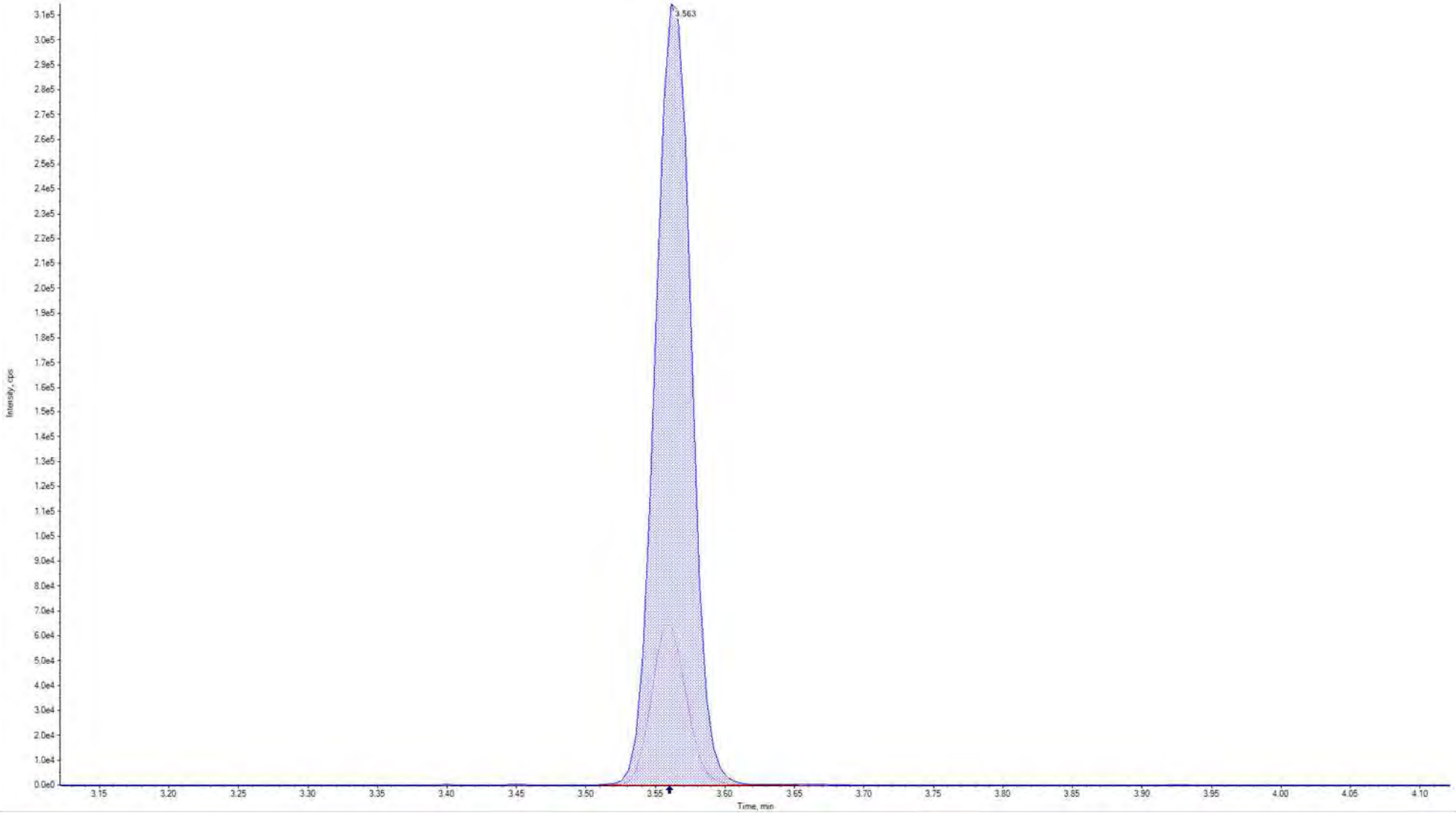
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_16.wiff2_2
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

6:2FTS_2
Sample: WG2012688-2,1633FMED S/N:4465.5 Points Across peak:21



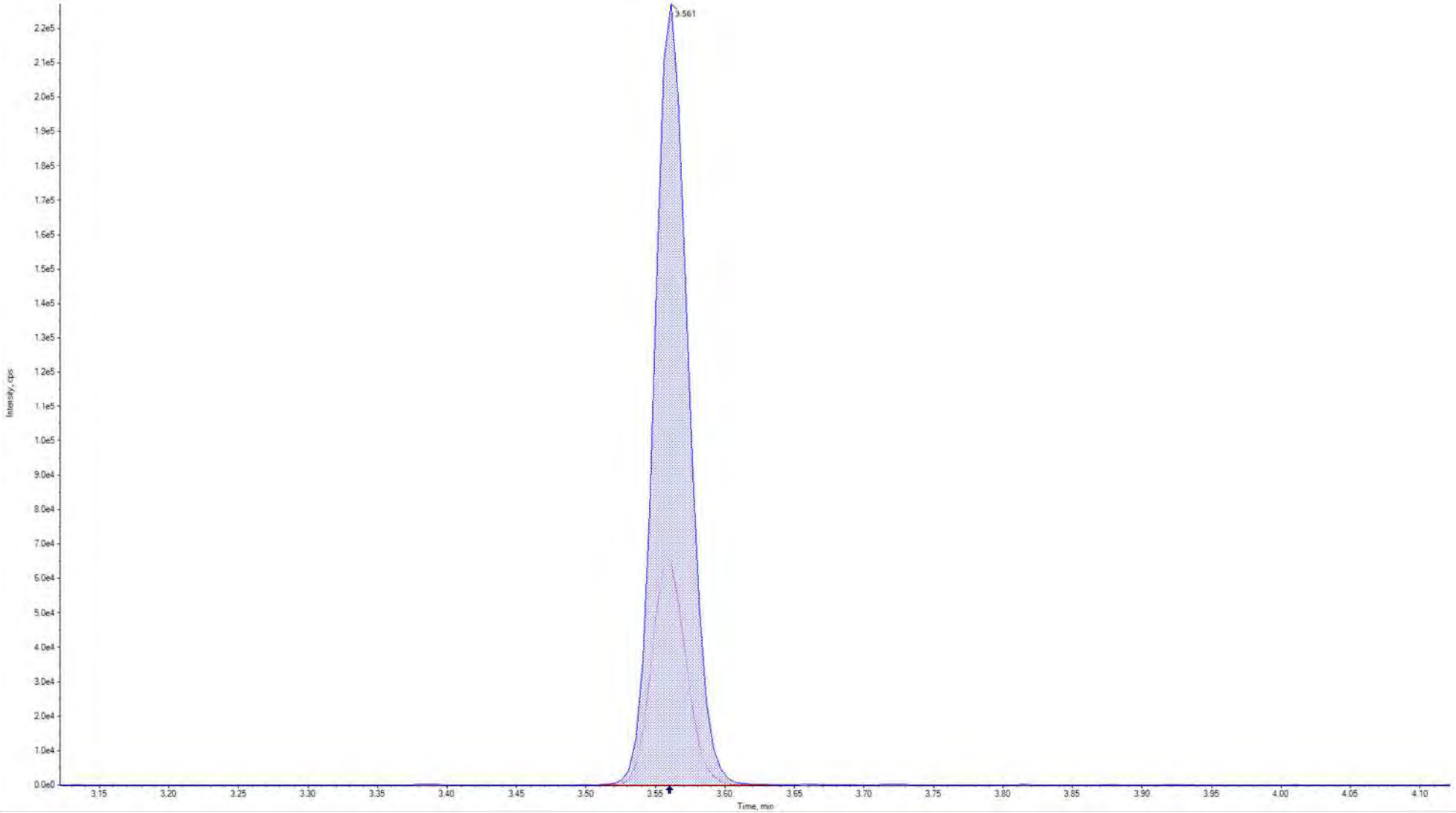
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_16.wiff2_2
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

8:2FTS
Sample: WG2012688-2,1633FMED S/N:4615.1 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_16.wiff2_2
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

8:2FTS_2
Sample: WG2012688-2,1633FMED S/N:3537.0 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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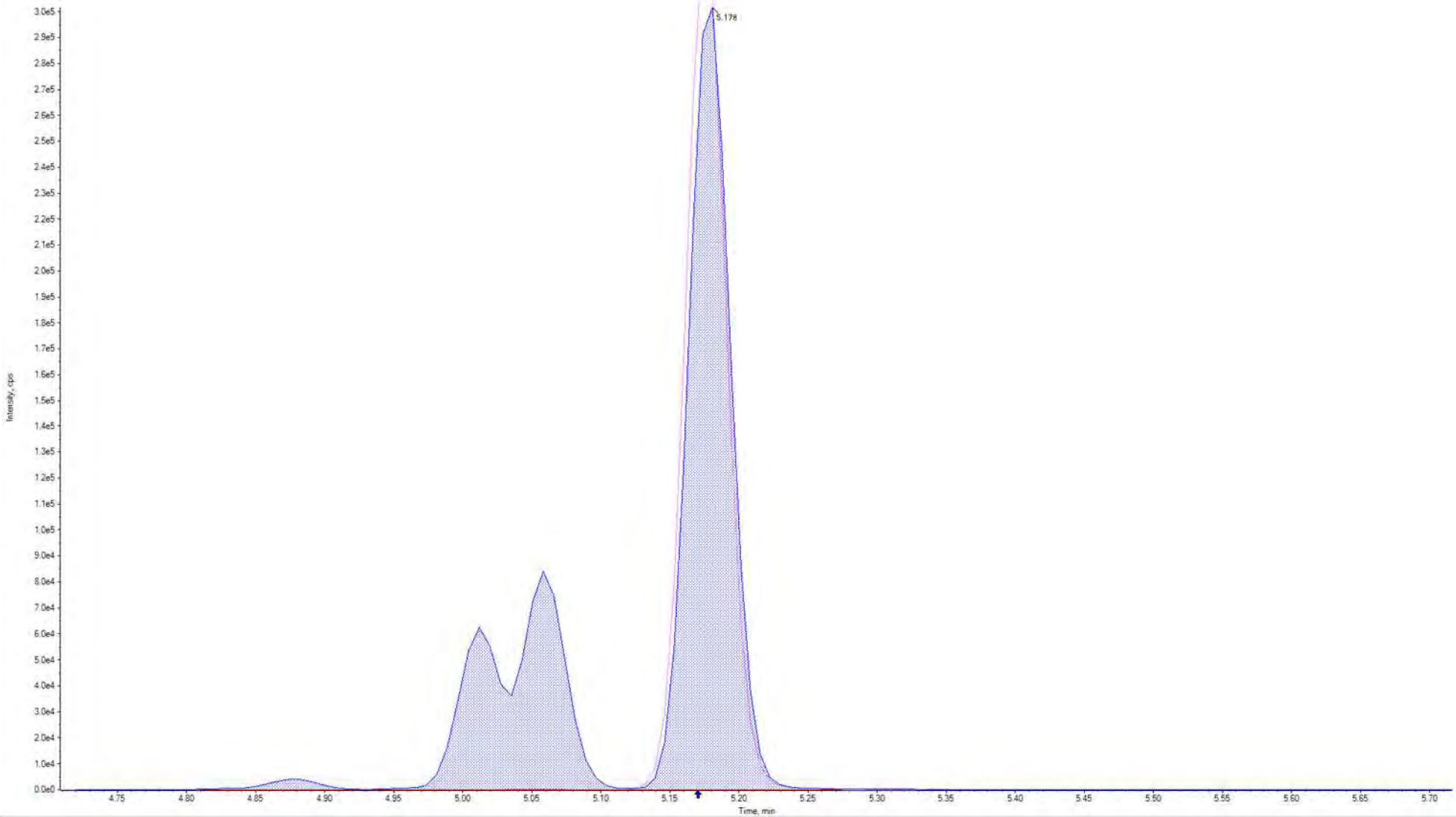
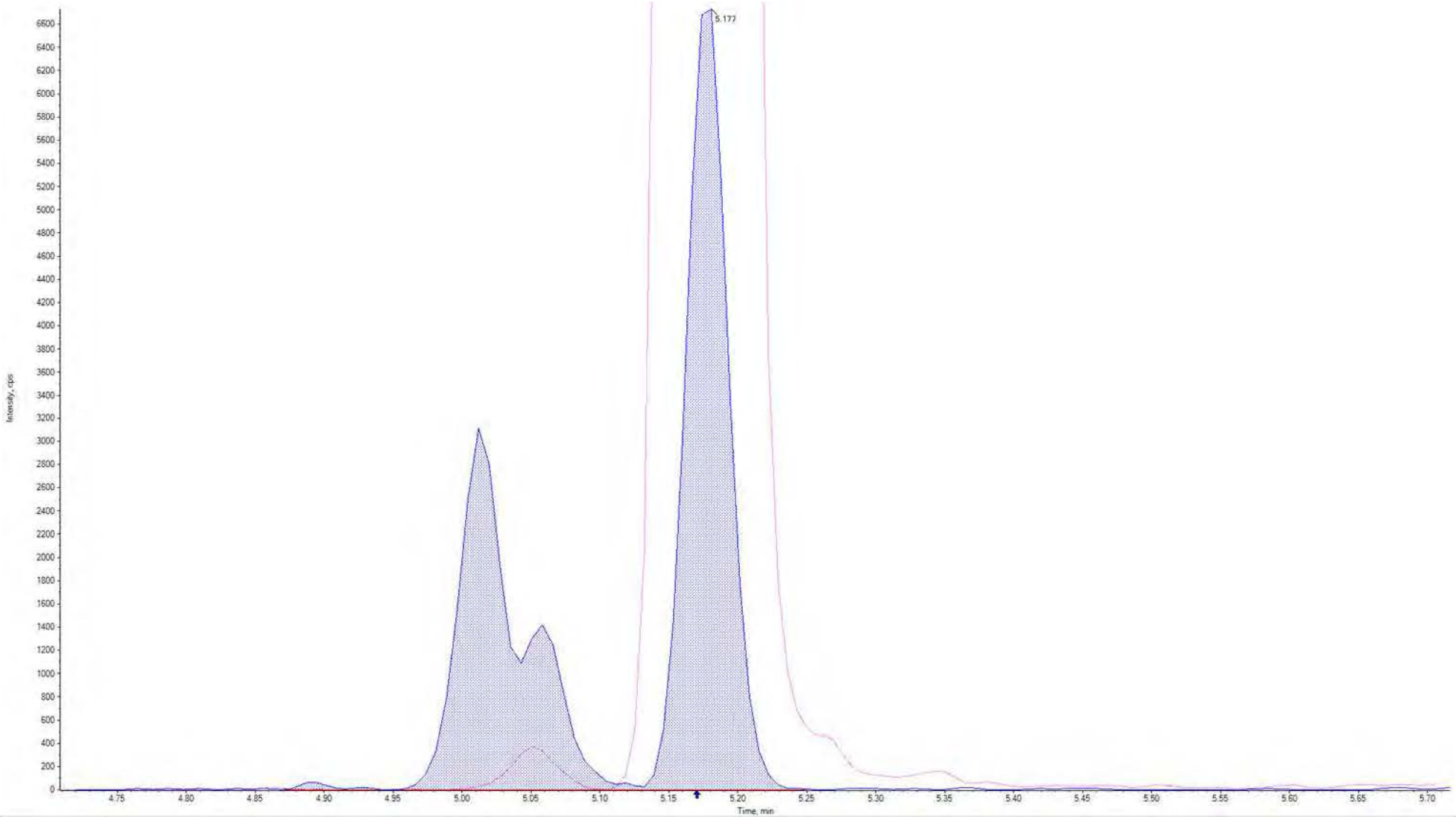
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFOSA
Sample: WG2012688-2,1633FMED S/N:331.4 Points Across peak:69



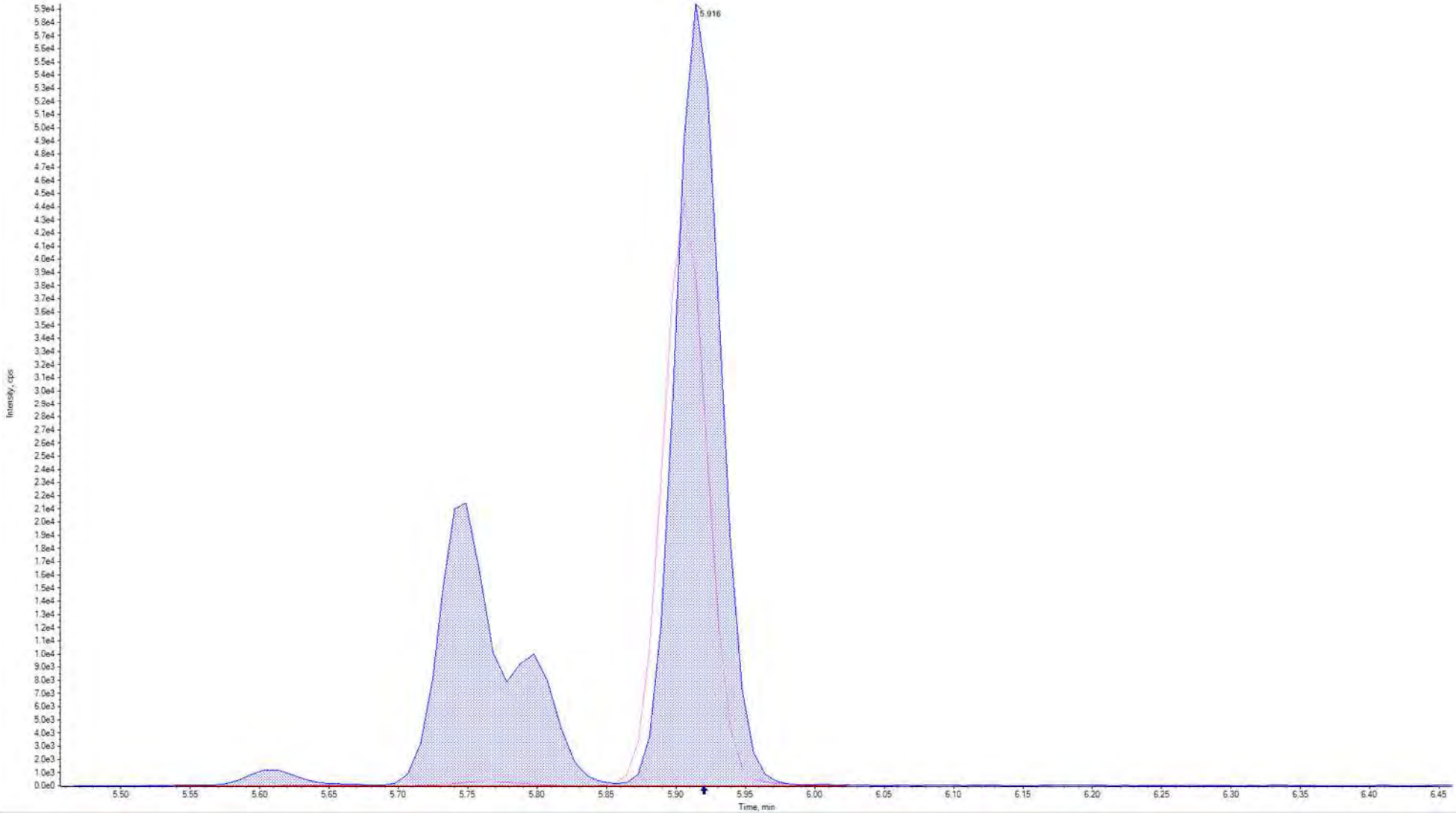
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_16.wiff2_2
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFOSA_2
Sample: WG2012688-2,1633FMED S/N:337.9 Points Across peak:55



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_16.wiff2_2
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

NMeFOSA
Sample: WG2012688-2,1633FMED S/N:404.8 Points Across peak:56



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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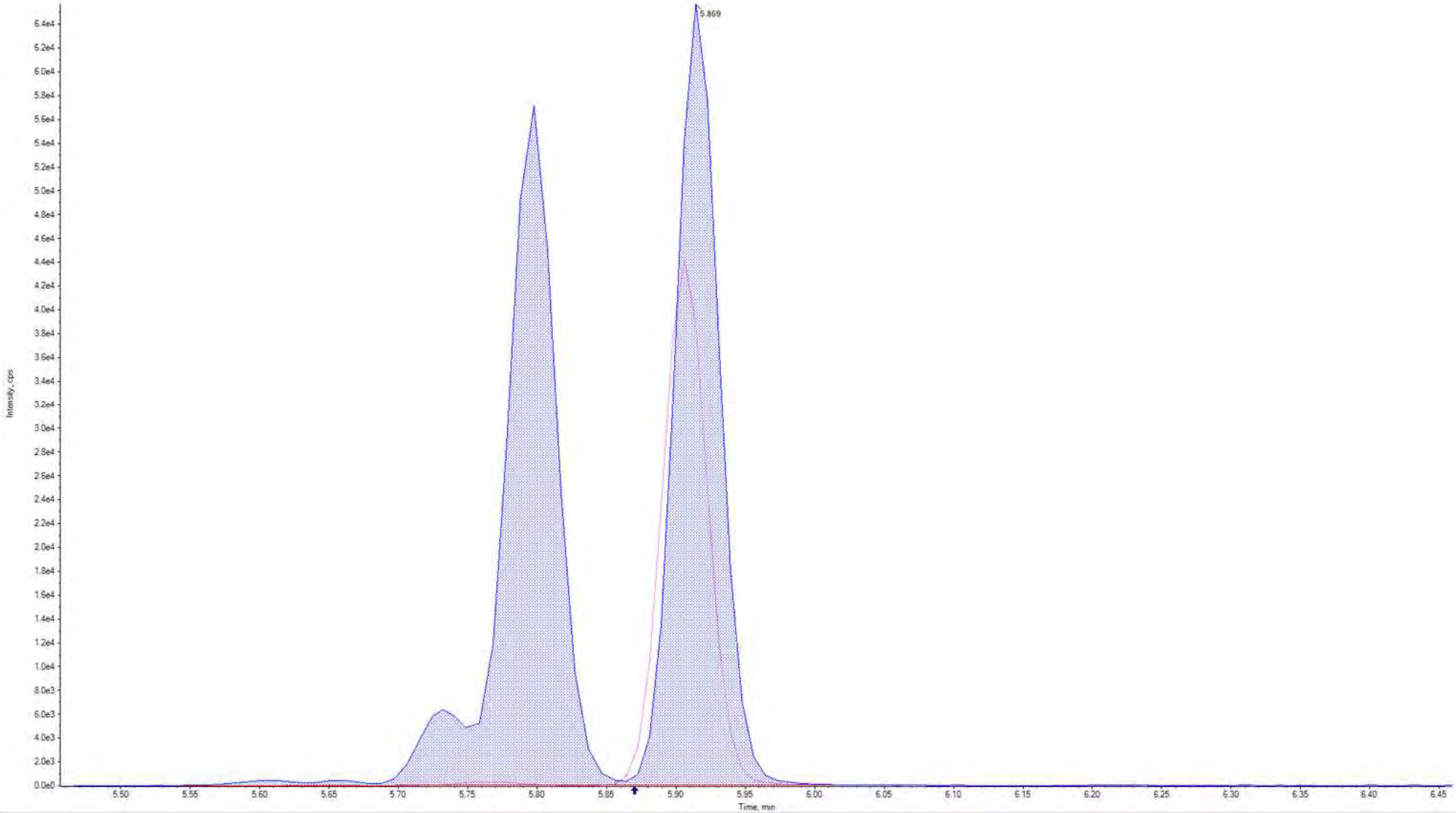
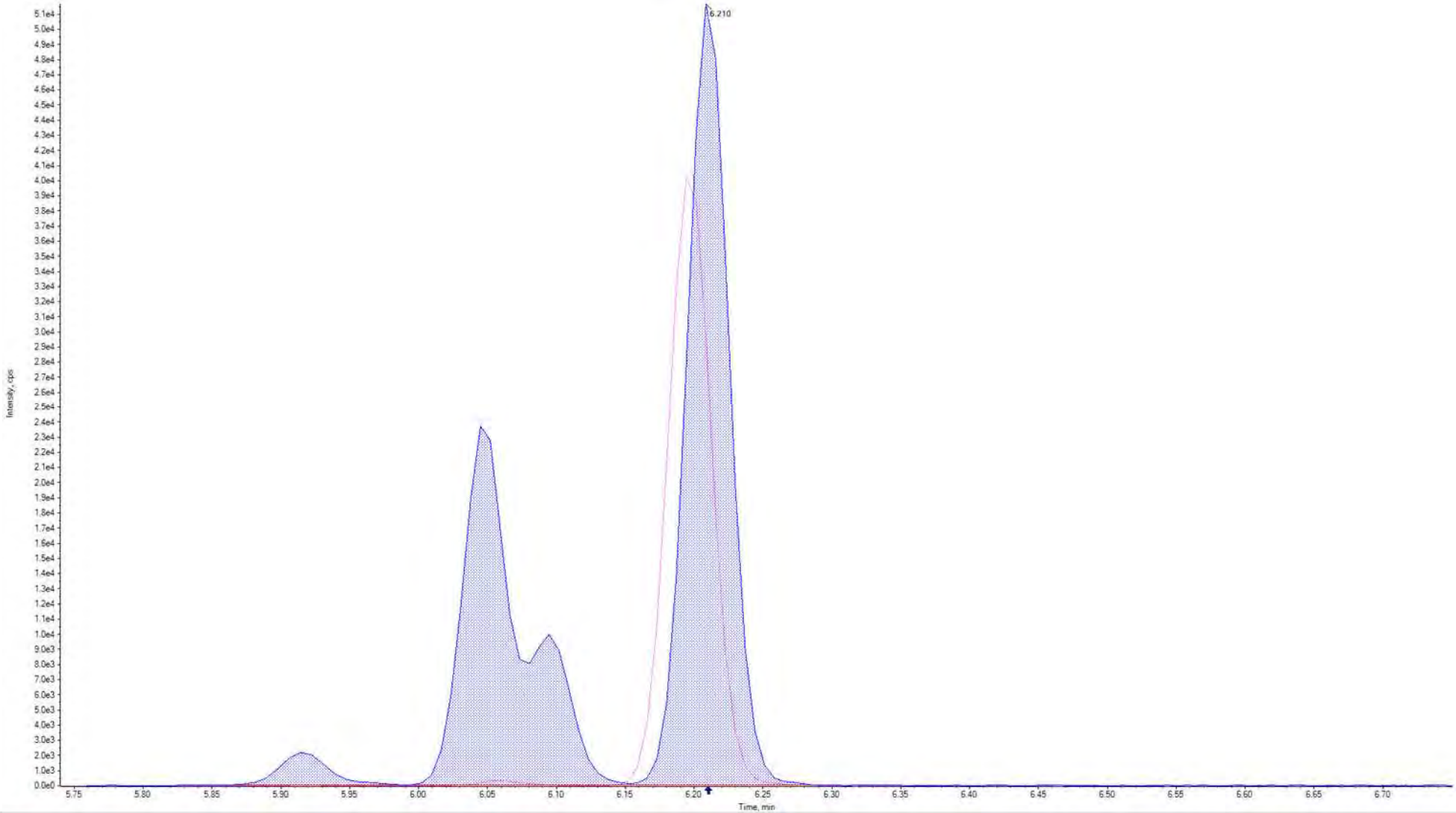
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

NMeFOSA_2
Sample: WG2012688-2,1633FMED S/N:249.0 Points Across peak:58



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_16.wiff2_2
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

NEtFOSA
Sample: WG2012688-2,1633FMED S/N:926.4 Points Across peak:60



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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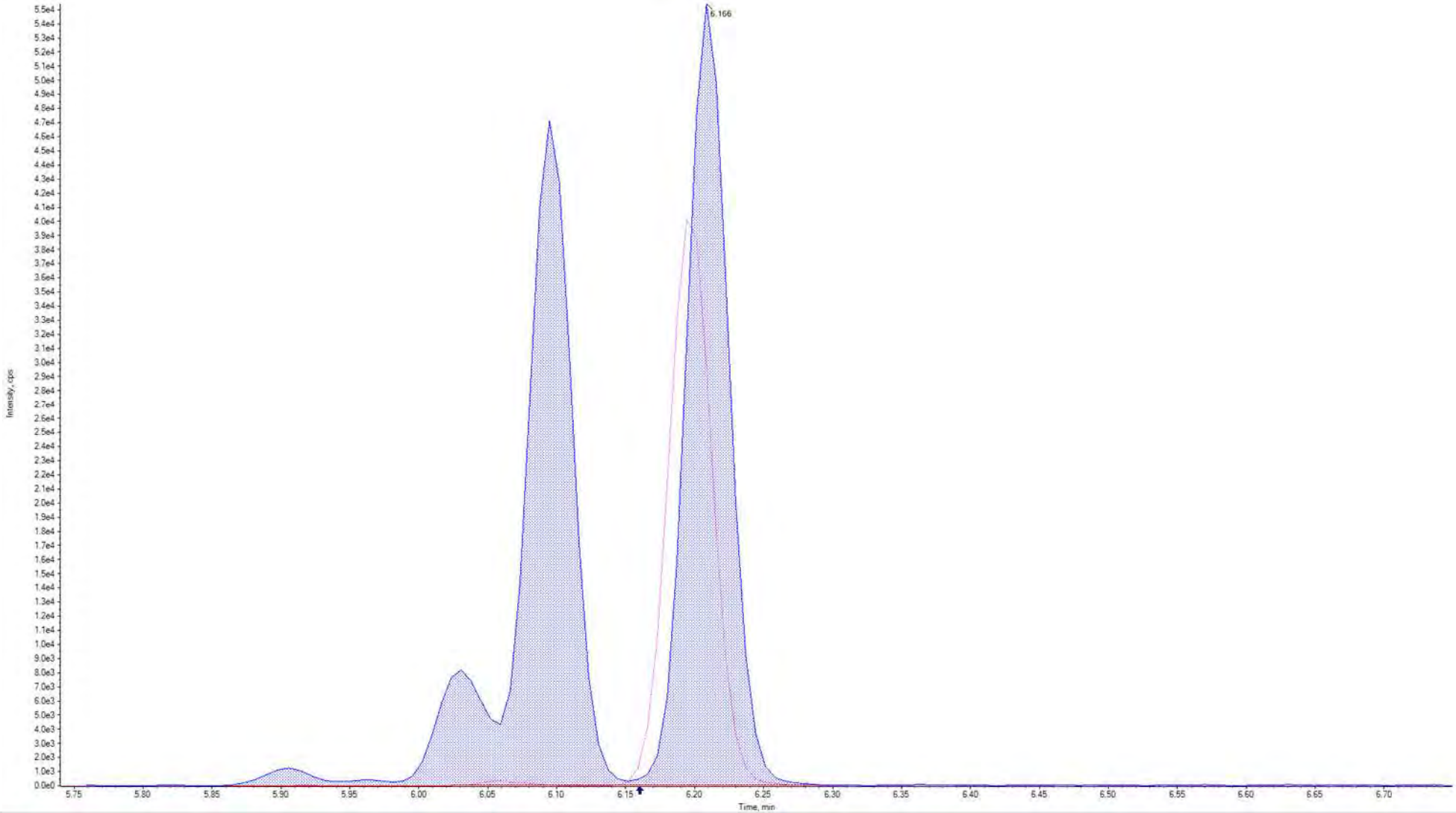
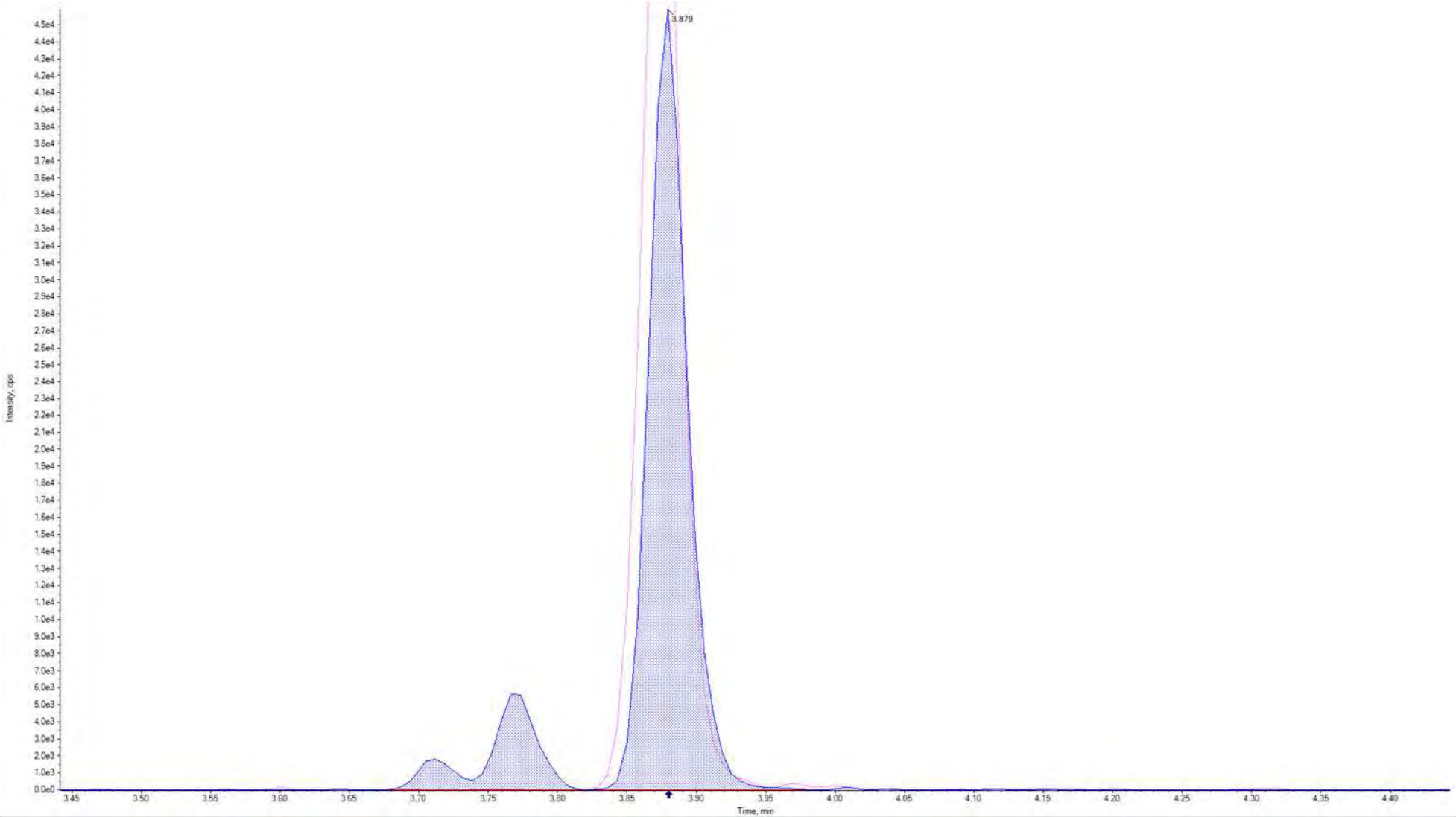
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

NEtFOSA_2
Sample: WG2012688-2,1633FMED S/N:685.1 Points Across peak:63



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_16.wiff2_2
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

NMeFOSAA
Sample: WG2012688-2,1633FMED S/N:838.2 Points Across peak:49



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_16.wiff2_2
Last Altered: 12/24/2024 7:52:08 AM
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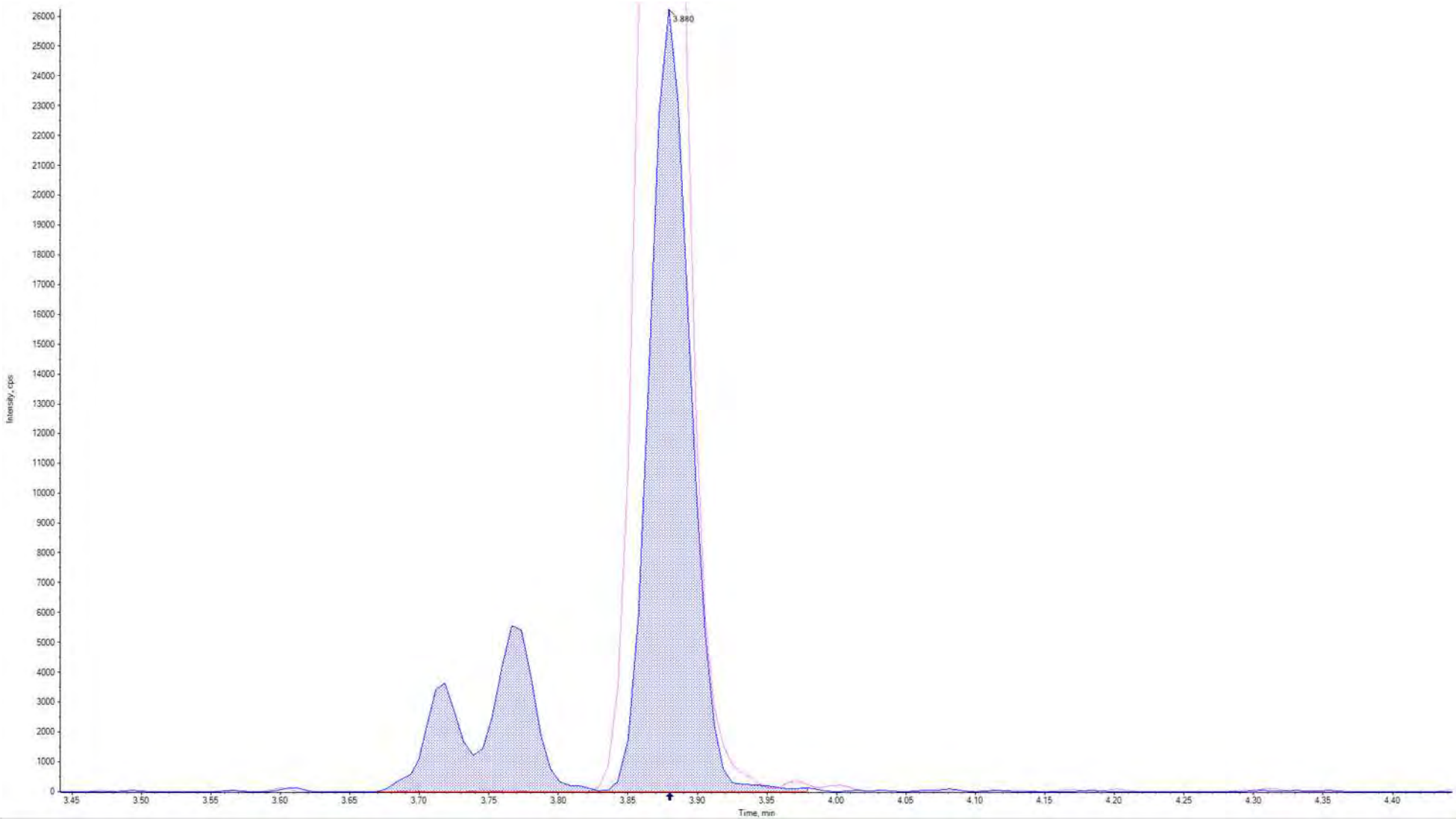
NMeFOSAA_2
Sample: WG2012688-2,1633FMED S/N:515.6 Points Across peak:49



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_16.wiff2_2
Last Altered: 12/24/2024 7:52:08 AM
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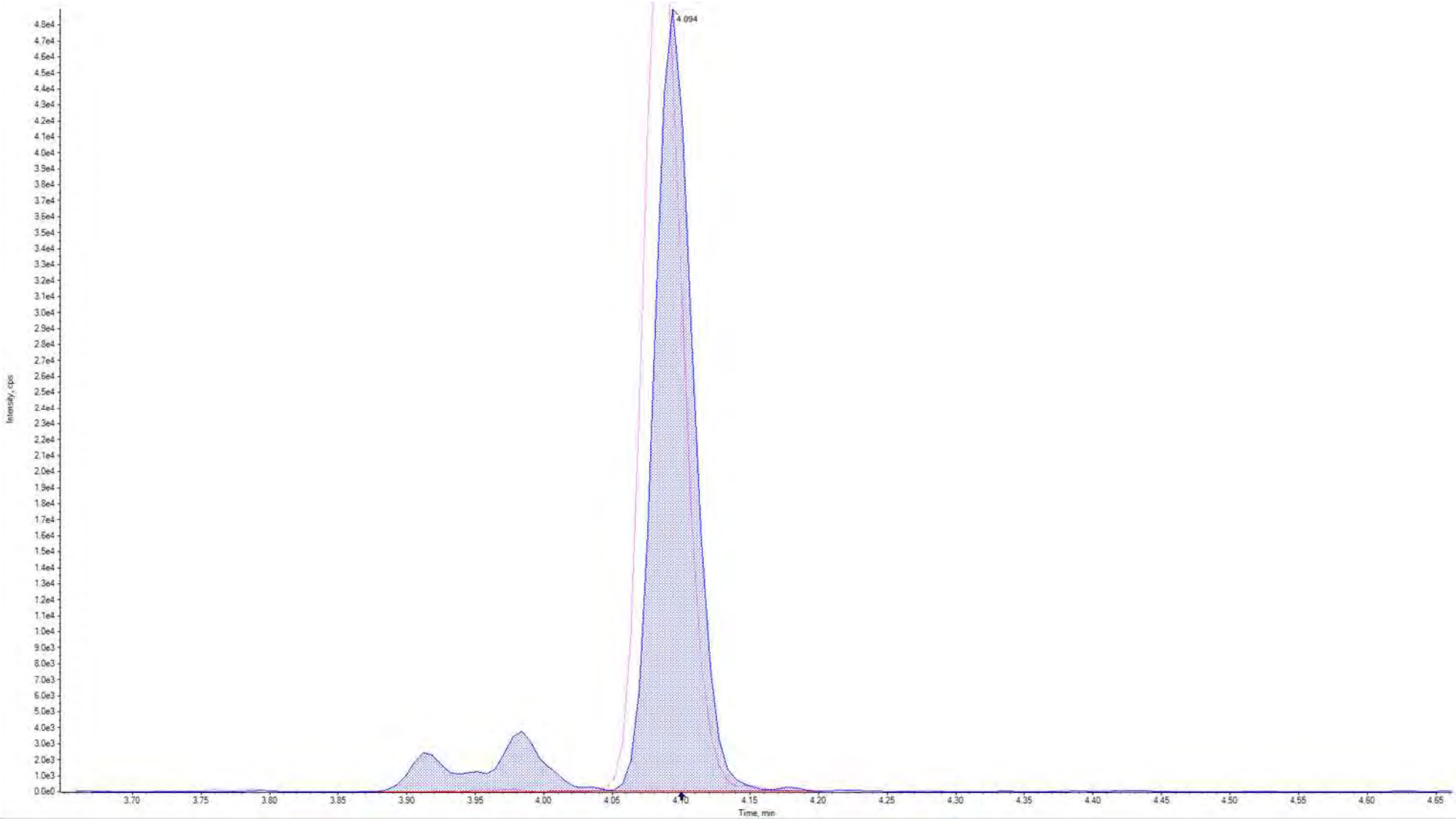
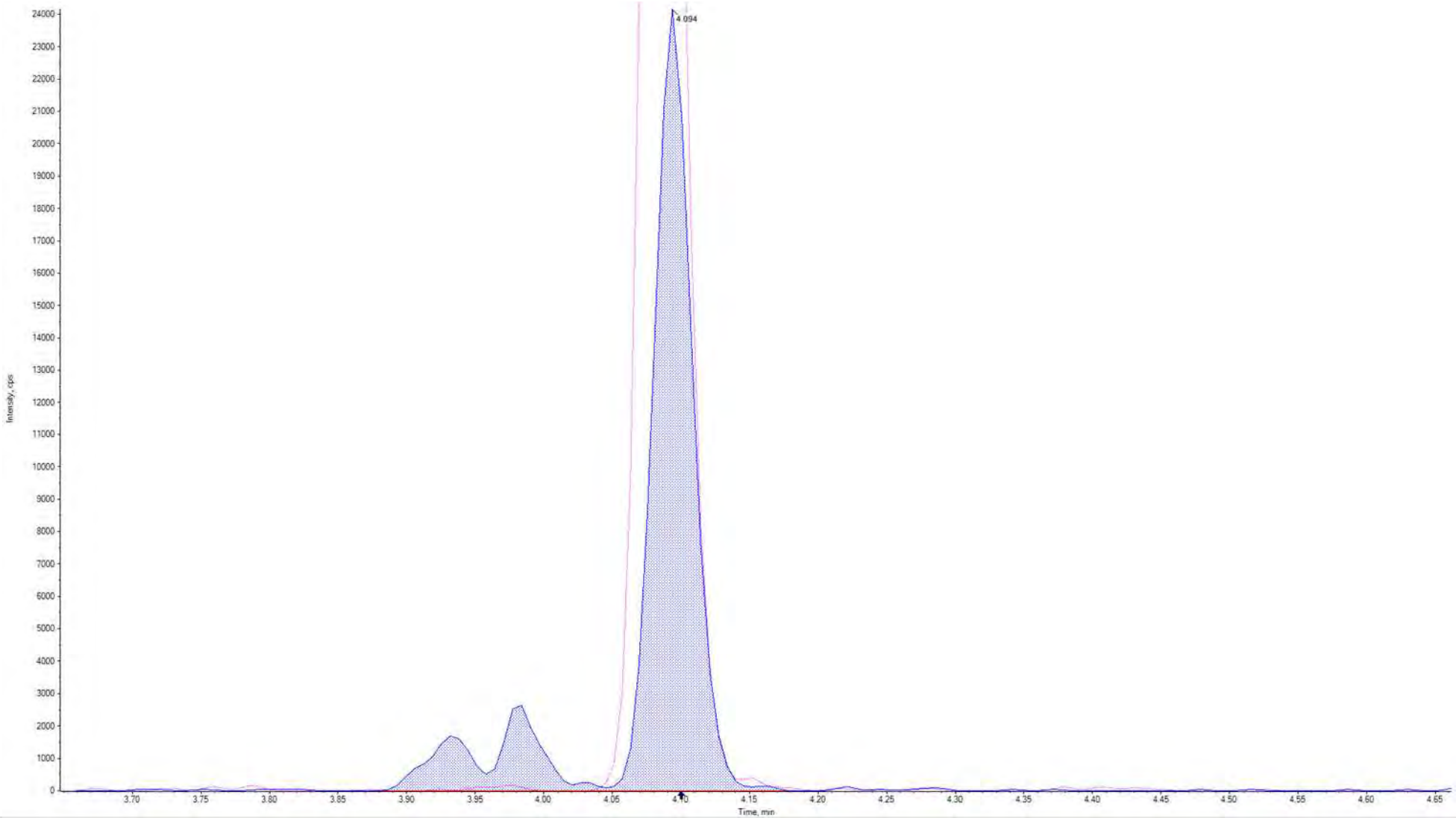
NEtFOSAA
Sample: WG2012688-2,1633FMED S/N:686.5 Points Across peak:54



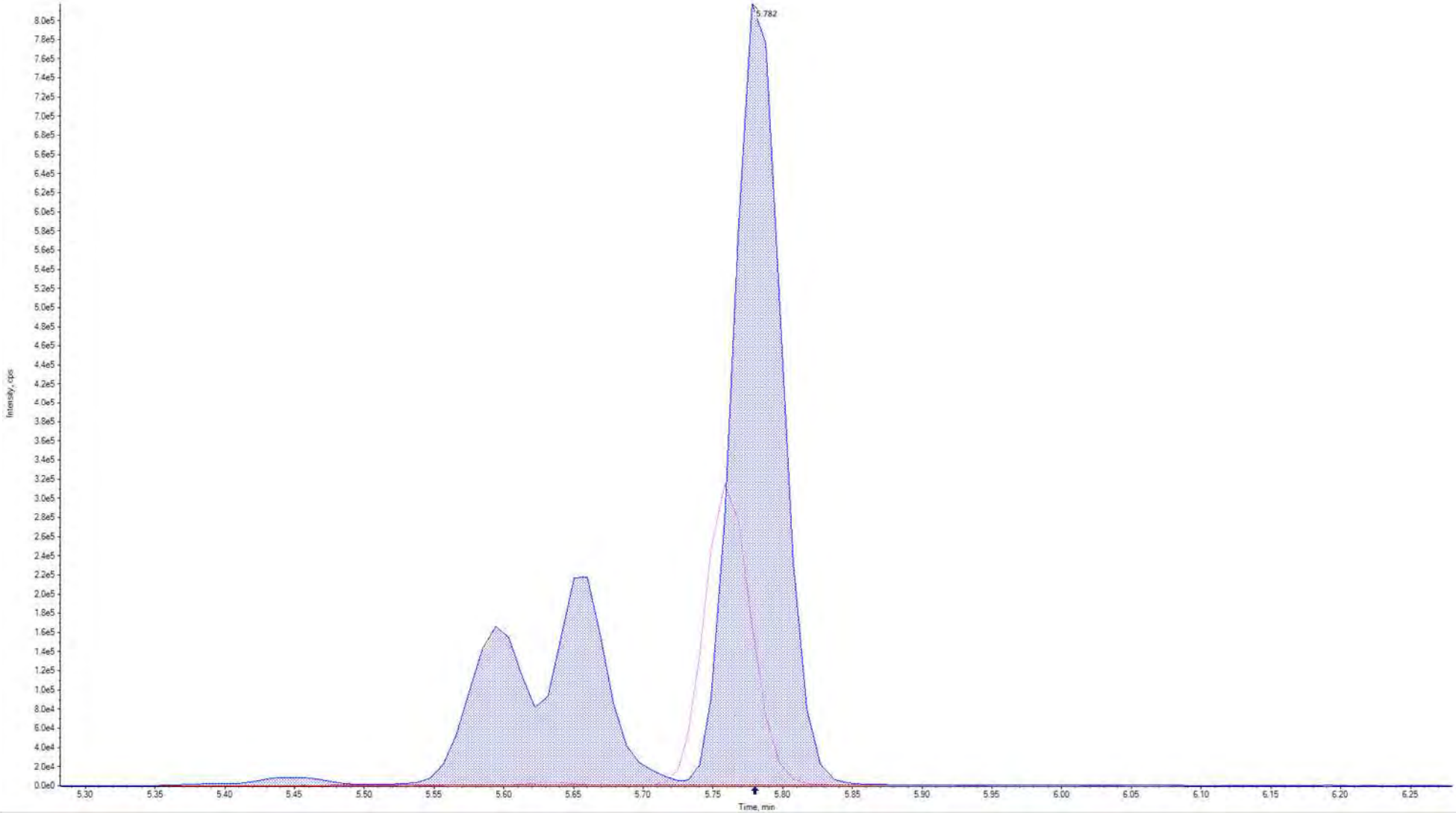
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_16.wiff2_2
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

NEtFOSAA_2
Sample: WG2012688-2,1633FMED S/N:507.2 Points Across peak:52



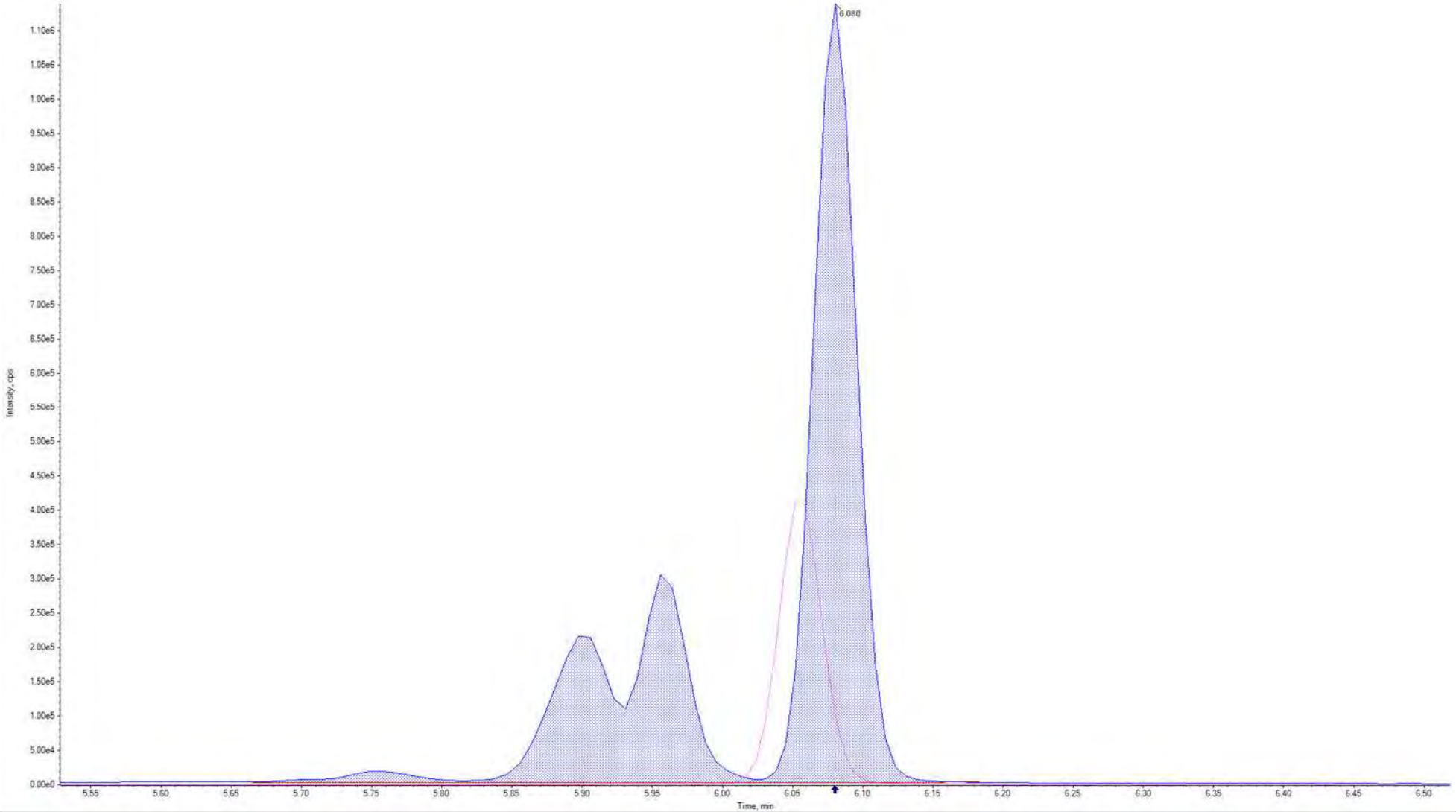
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_16.wiff2_2
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

NMeFOSE
Sample: WG2012688-2,1633FMED S/N:237.3 Points Across peak:65



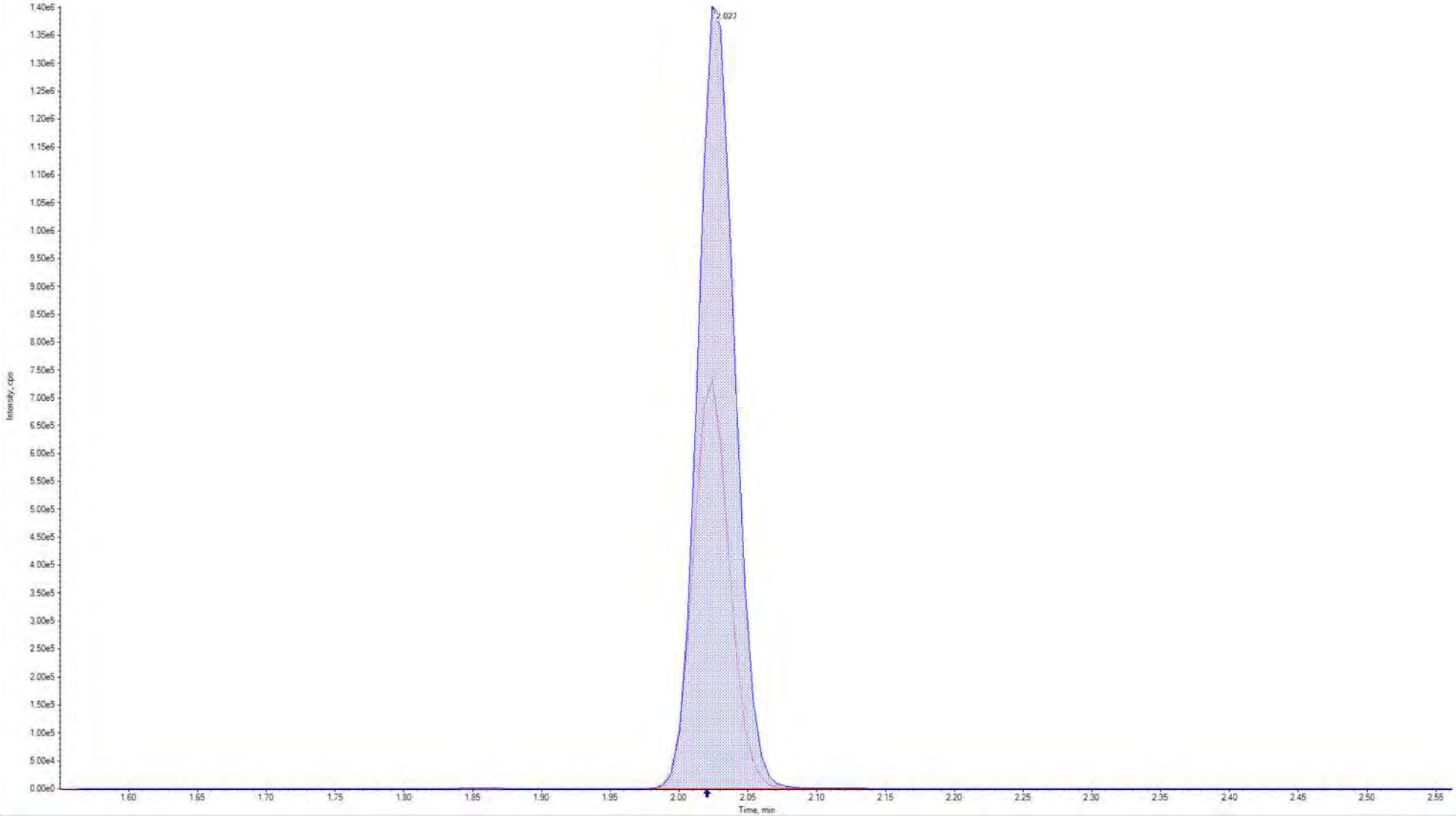
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_16.wiff2_2
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

NEtFOSE
Sample: WG2012688-2,1633FMED S/N:249.9 Points Across peak:66



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_16.wiff2_2
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

HFPO-DA
Sample: WG2012688-2,1633FMED S/N:7361.5 Points Across peak:45



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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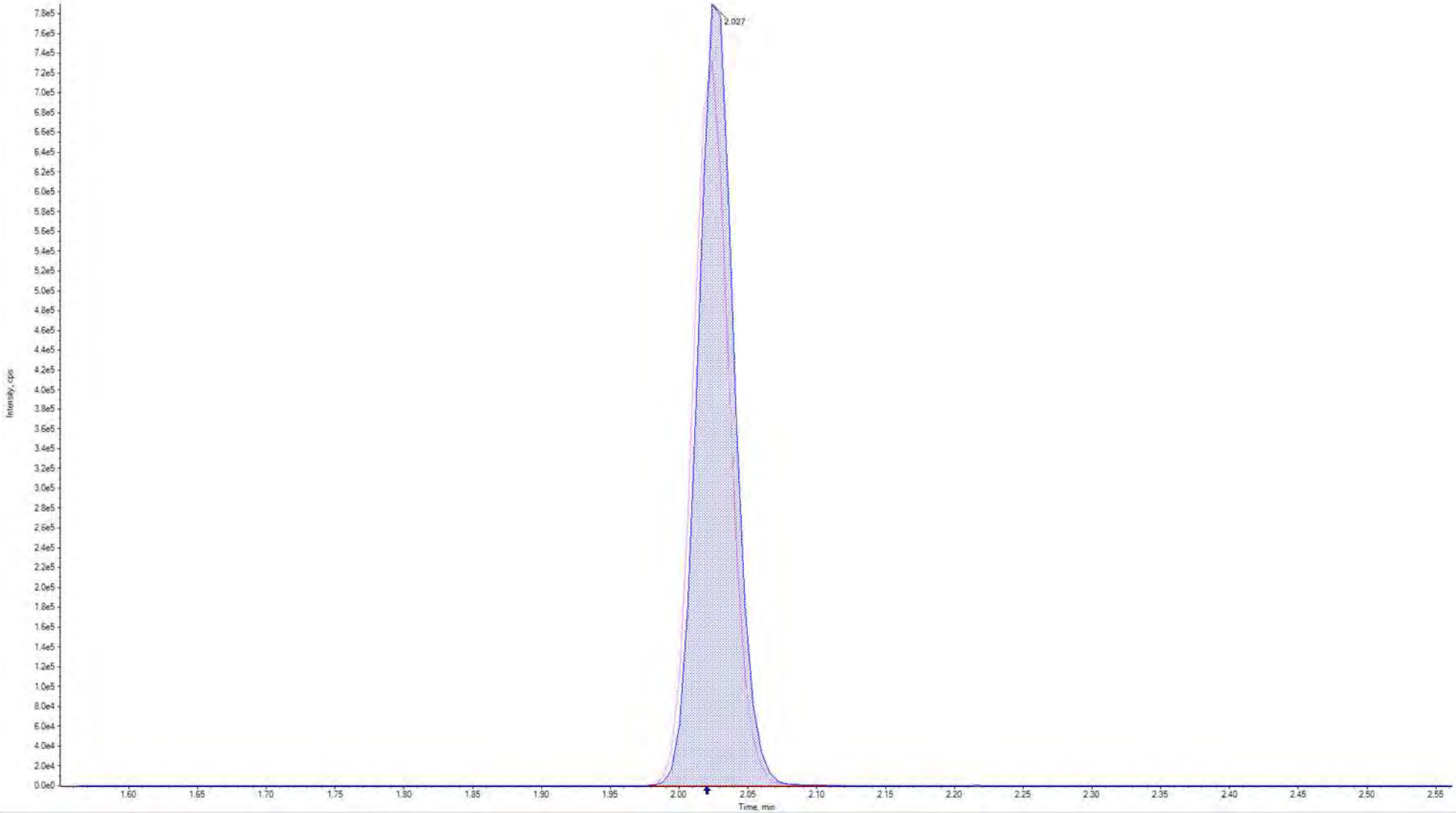
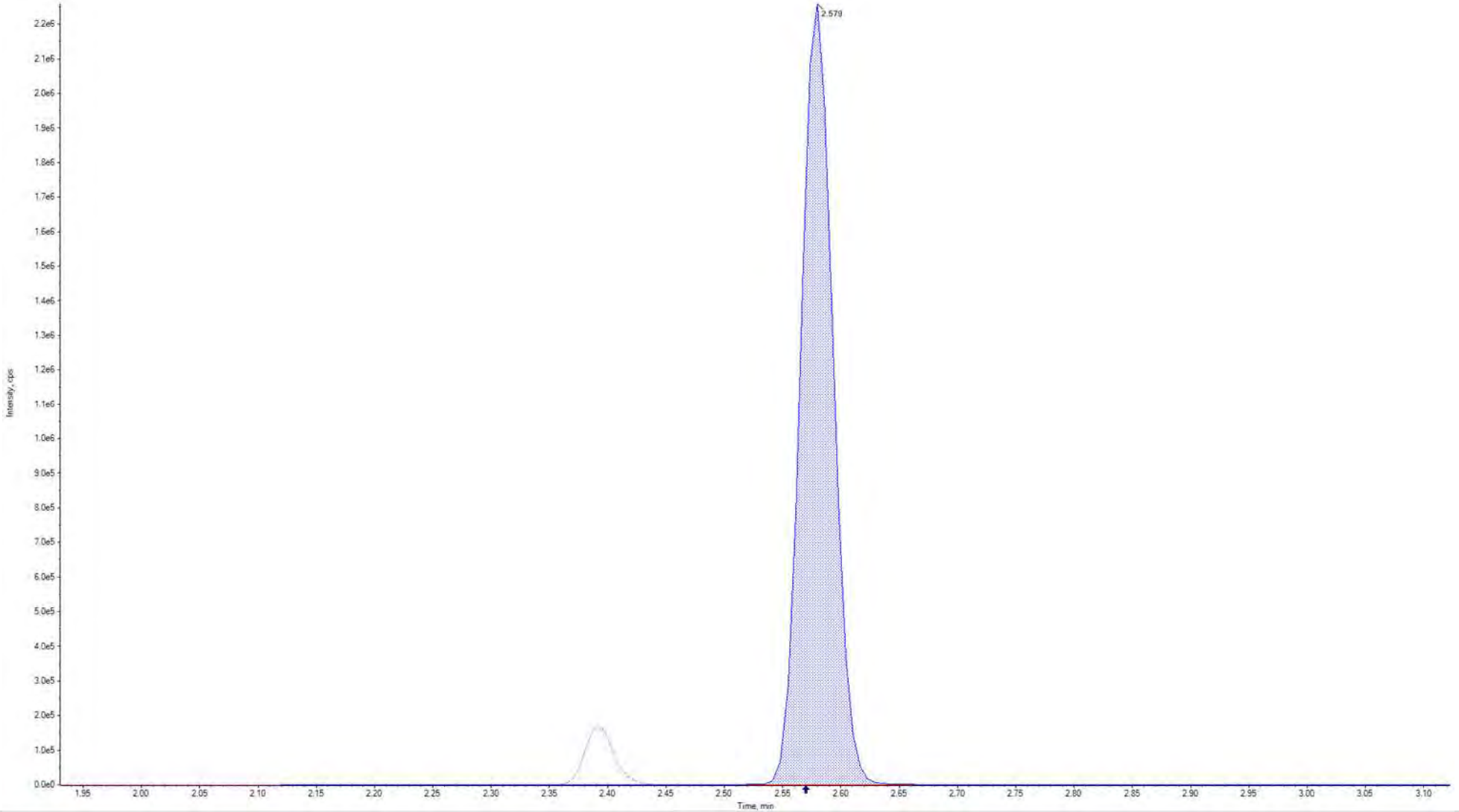
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

HFPO-DA_2
Sample: WG2012688-2,1633FMED S/N:17815.7 Points Across peak:27



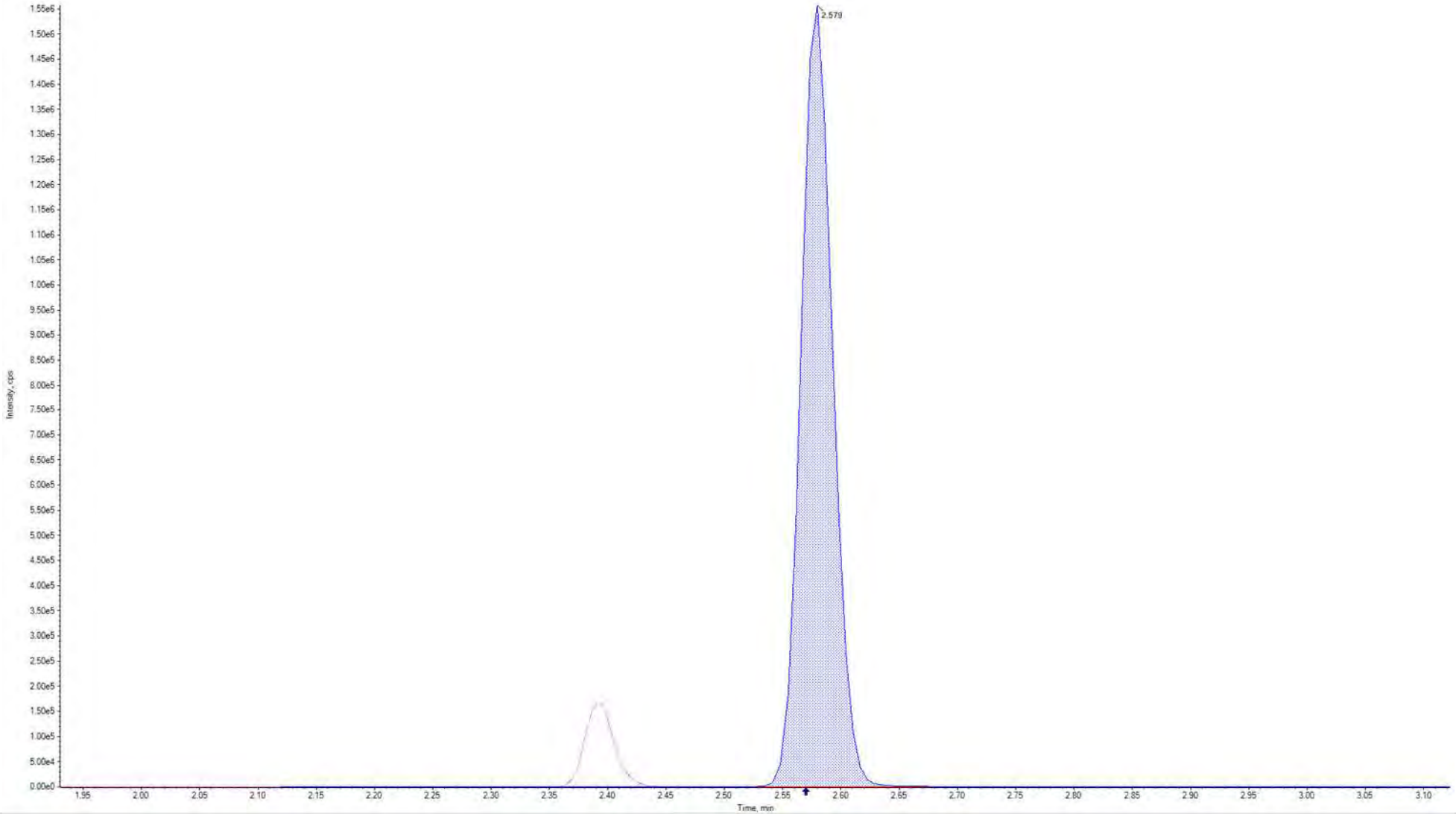
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_16.wiff2_2
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

ADONA
Sample: WG2012688-2,1633FMED S/N:6386.0 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_16.wiff2_2
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

ADONA_2
Sample: WG2012688-2,1633FMED S/N:6464.6 Points Across peak:34



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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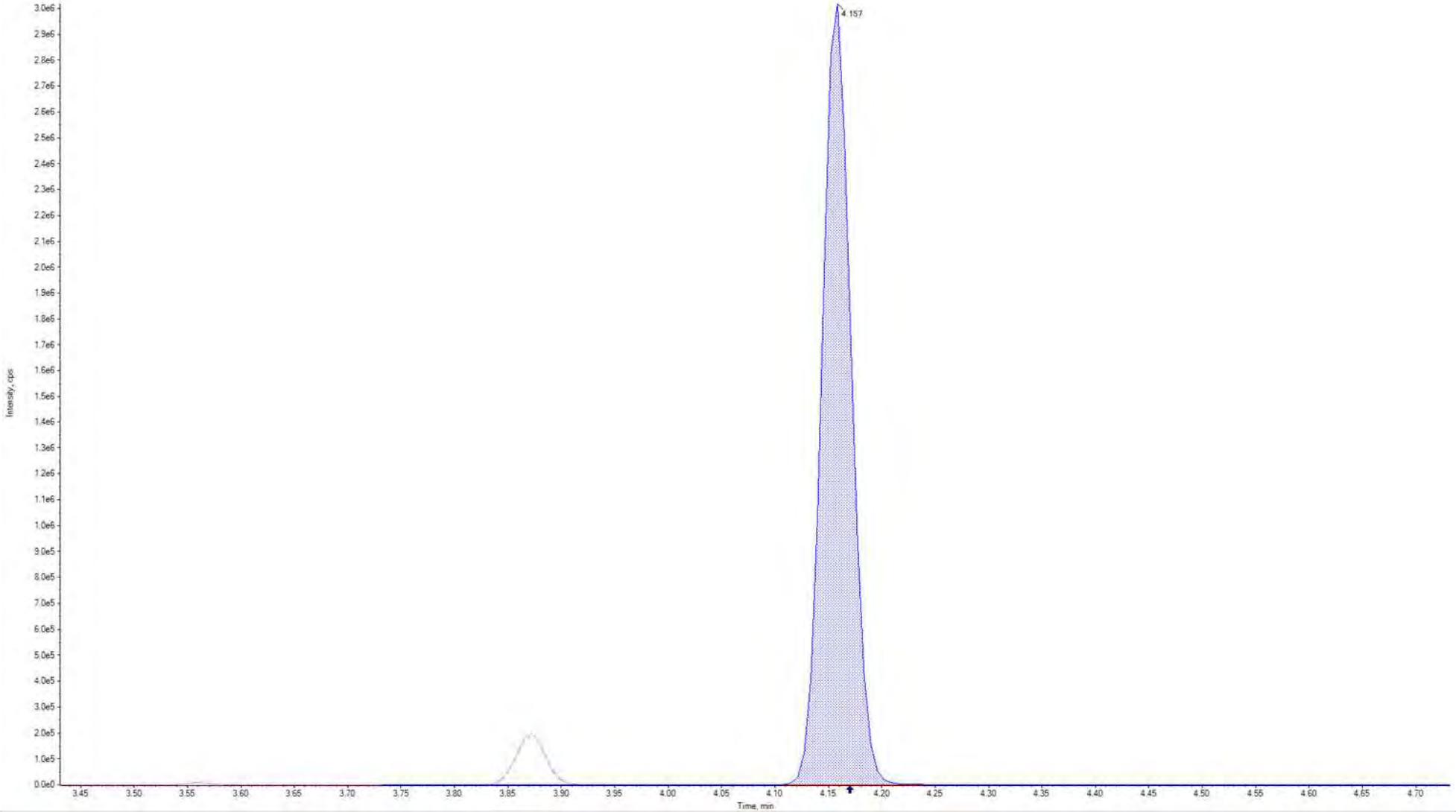
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

9Cl-PF3ONS
Sample: WG2012688-2,1633FMED S/N:68059.8 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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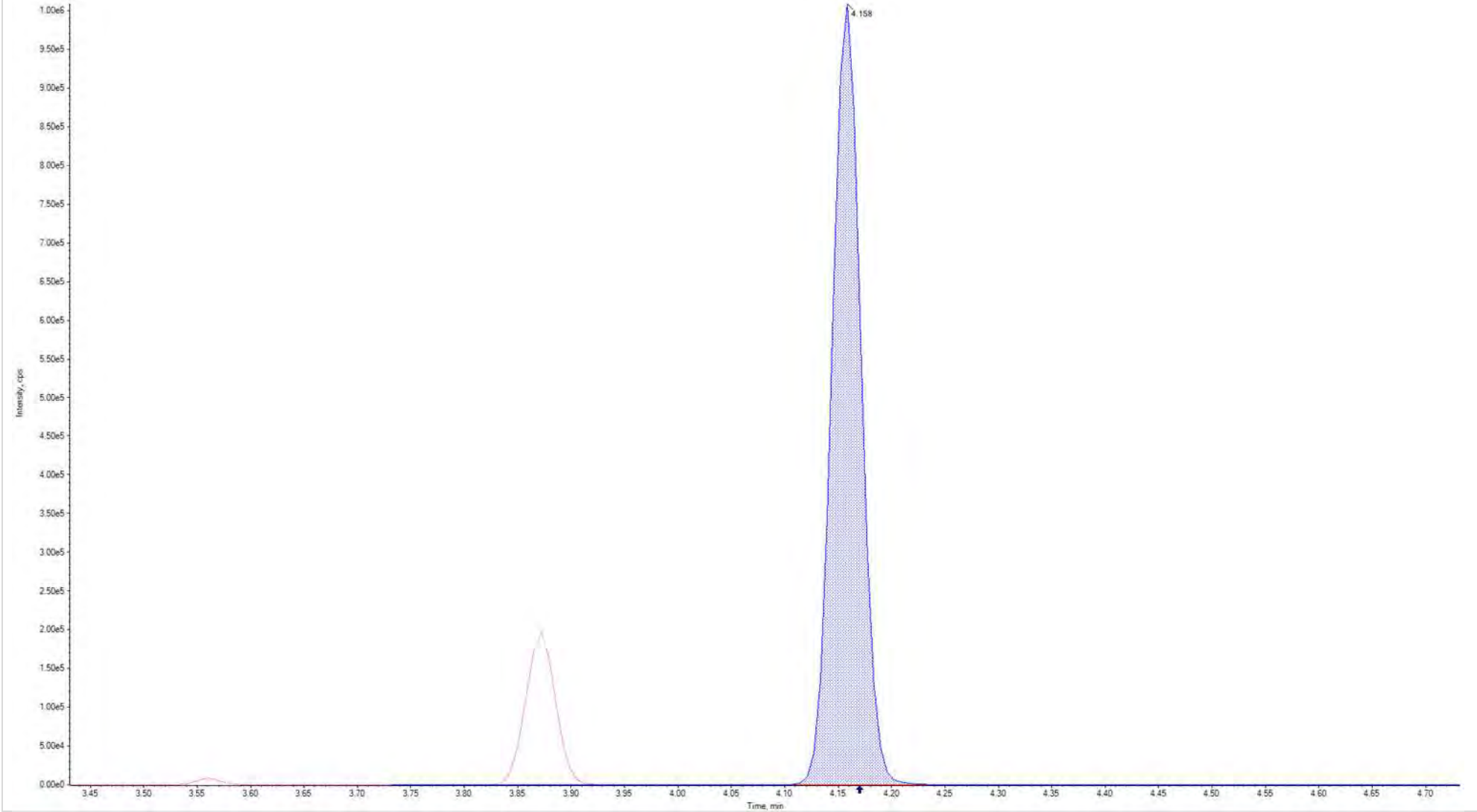
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

9Cl-PF3ONS_2
Sample: WG2012688-2,1633FMED S/N:6560.5 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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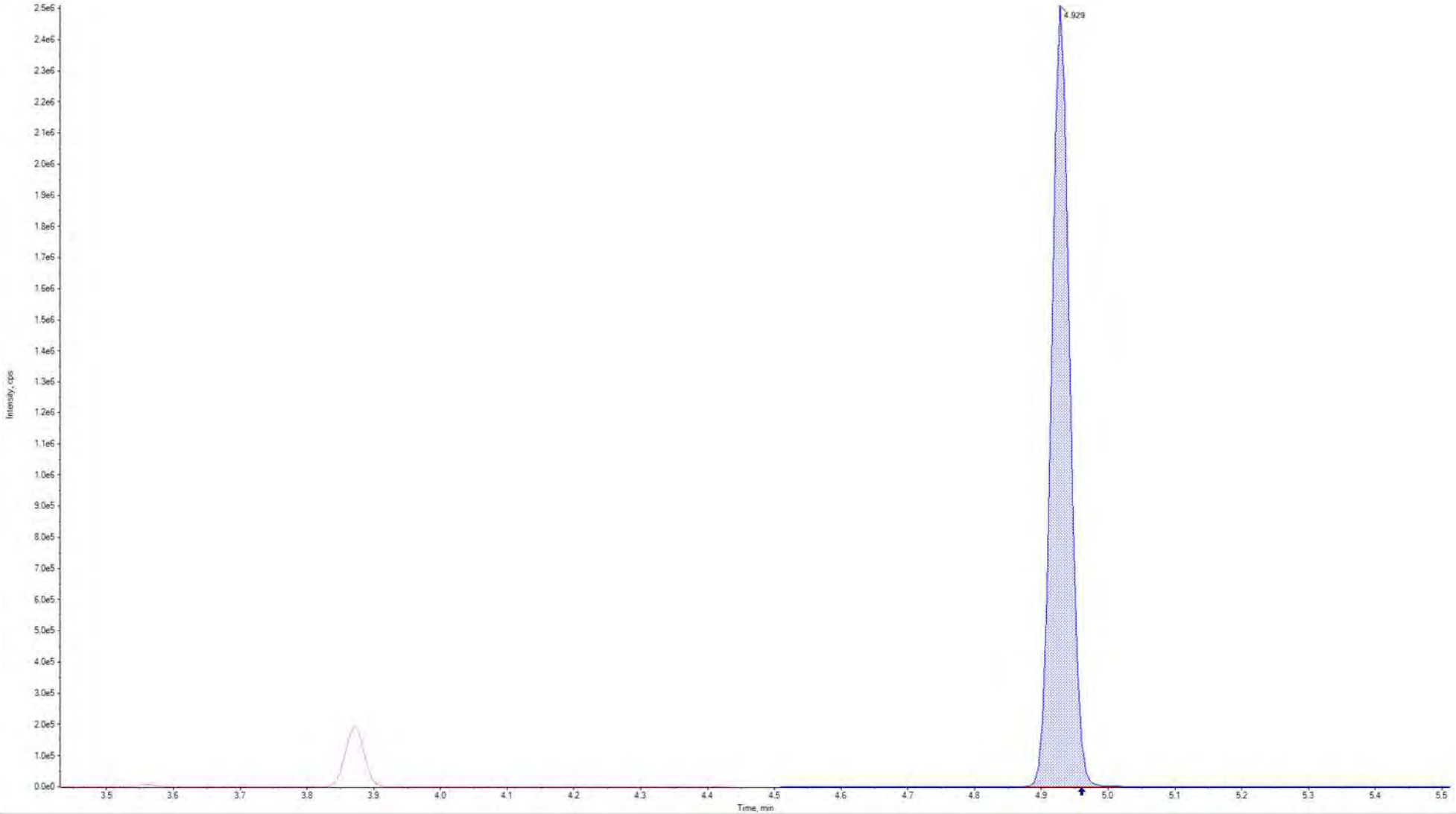
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

11Cl-PF3OUdS
Sample: WG2012688-2,1633FMED S/N:9168.7 Points Across peak:44



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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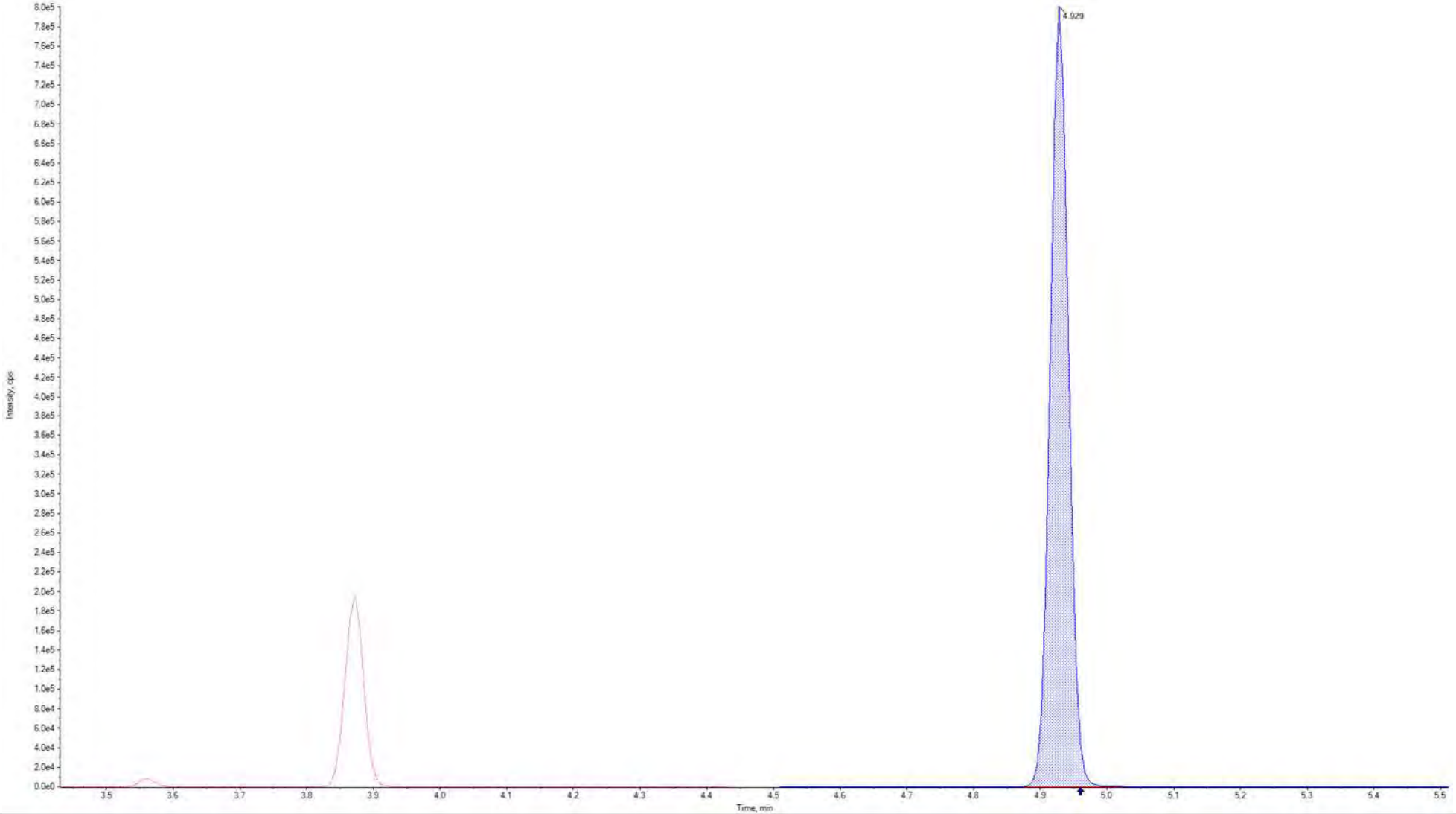
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

11Cl-PF3OUdS_2
Sample: WG2012688-2,1633FMED S/N:9969.2 Points Across peak:42



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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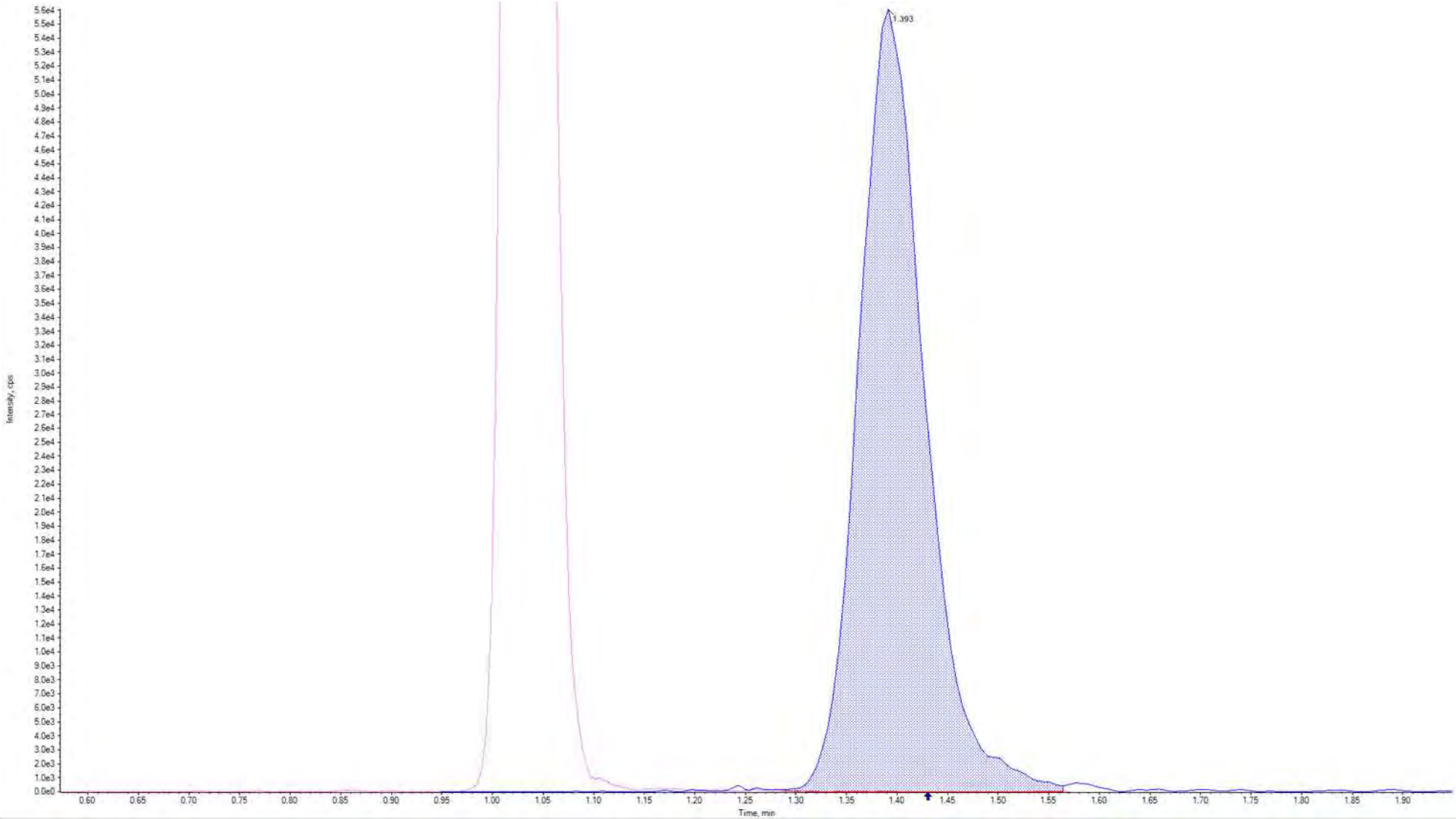
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

3:3FTCA
Sample: WG2012688-2,1633FMED S/N:1405.0 Points Across peak:49



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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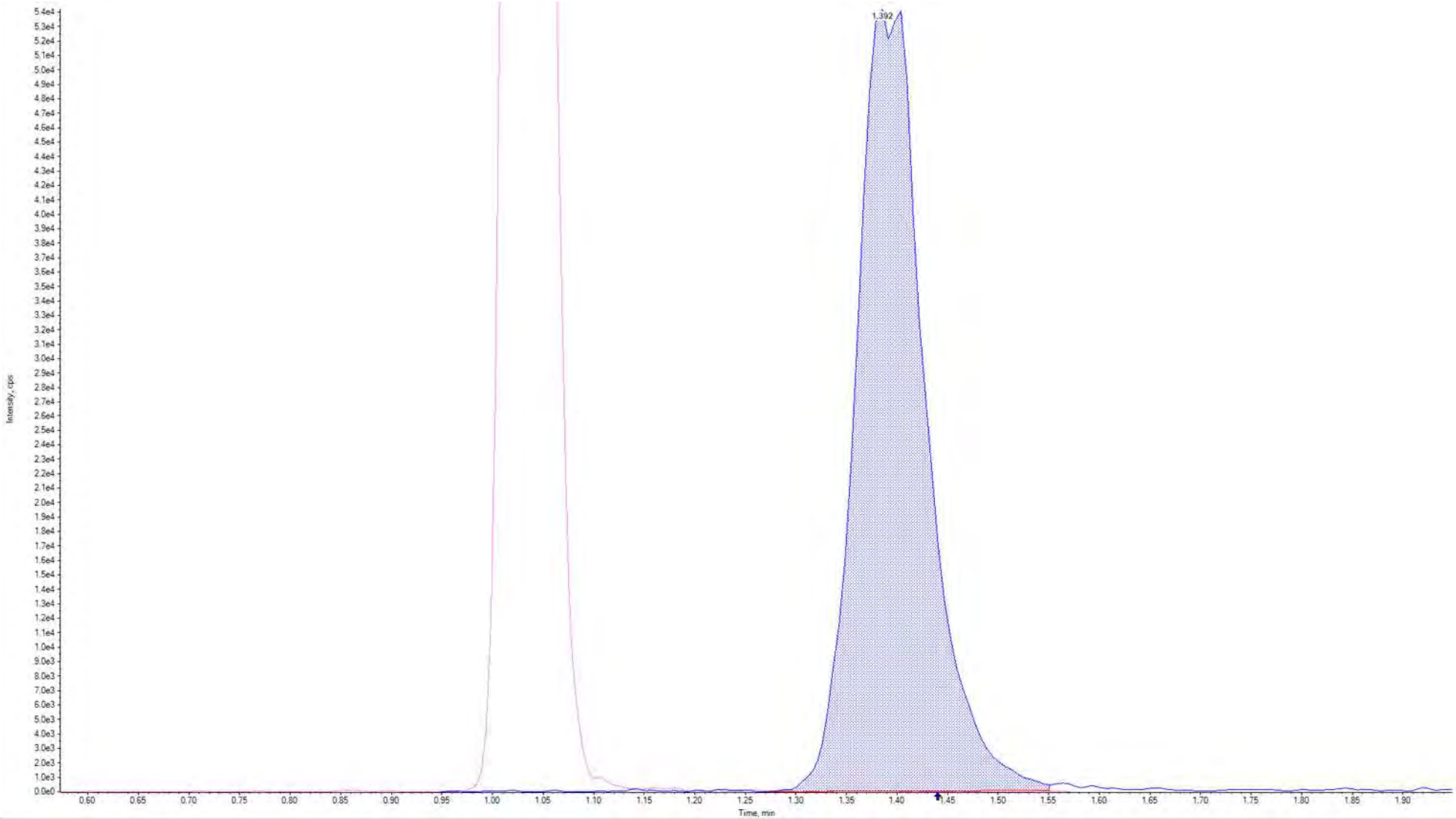
Generated: 12/23/2024 2:36:12 PM

3:3FTCA_2
Sample: WG2012688-2,1633FMED S/N:1357.8 Points Across peak:52



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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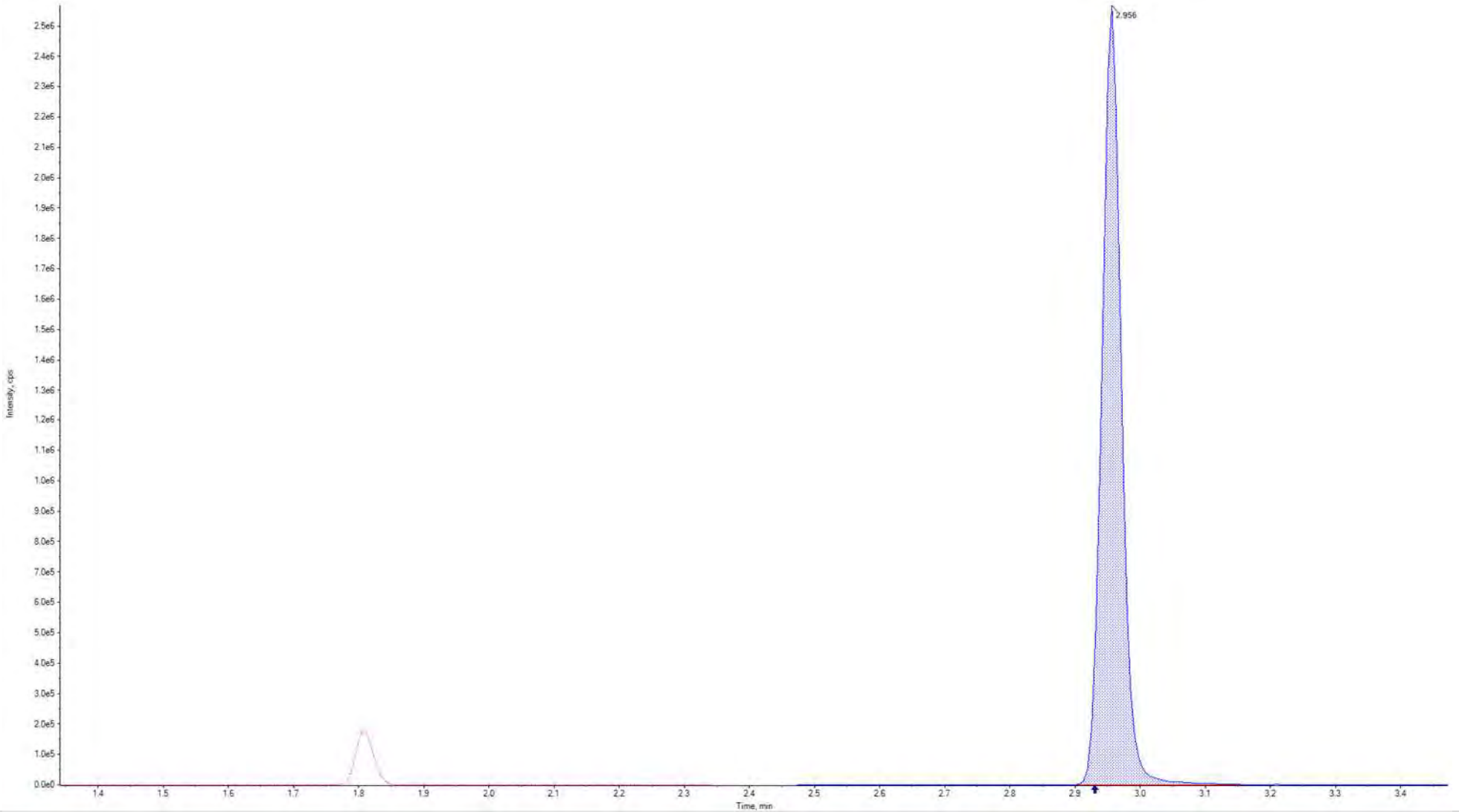
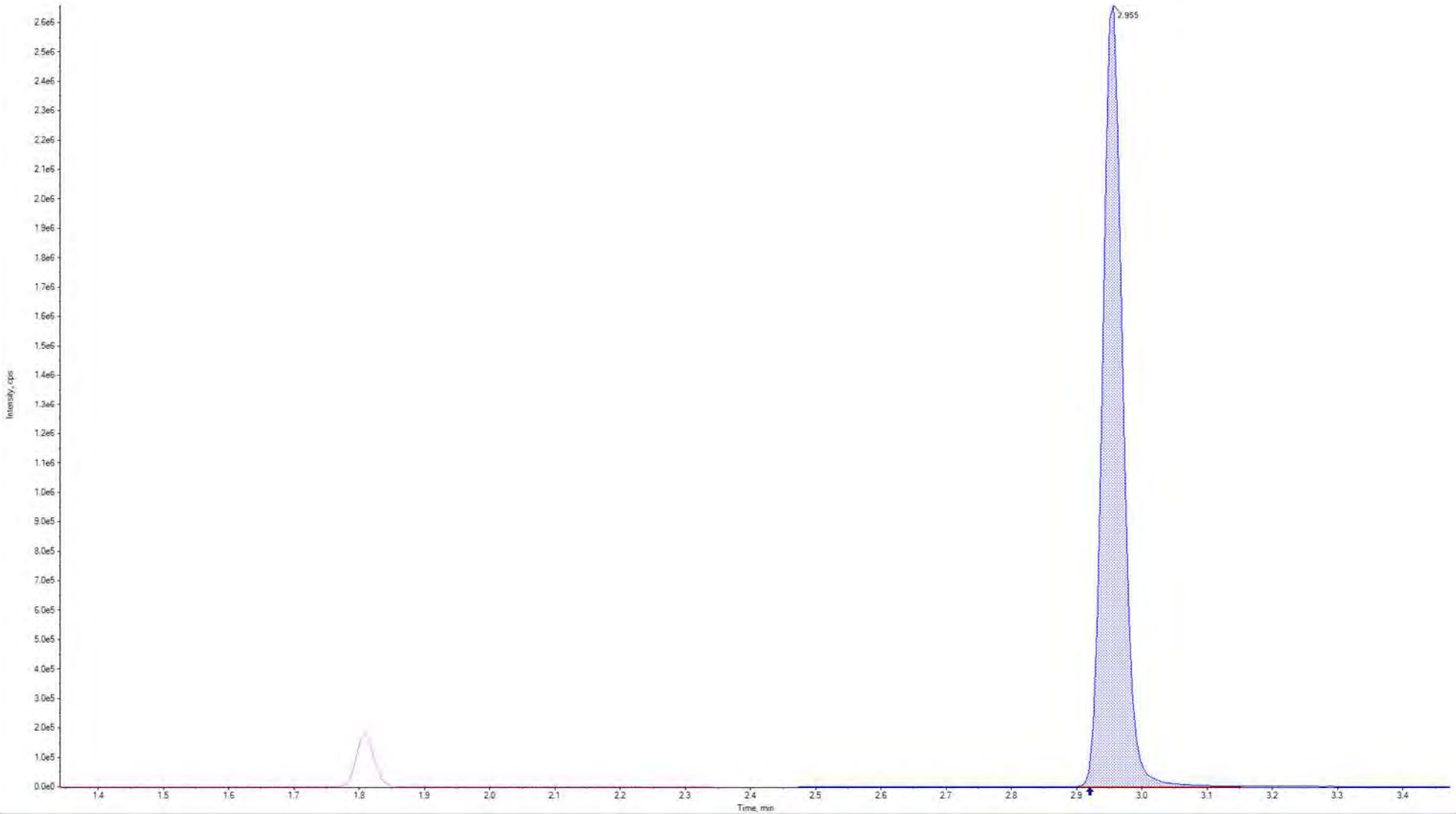
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

5:3FTCA
Sample: WG2012688-2,1633FMED S/N:57920.8 Points Across peak:48



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_16.wiff2_2
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

5:3FTCA_2
Sample: WG2012688-2,1633FMED S/N:8013.0 Points Across peak:46



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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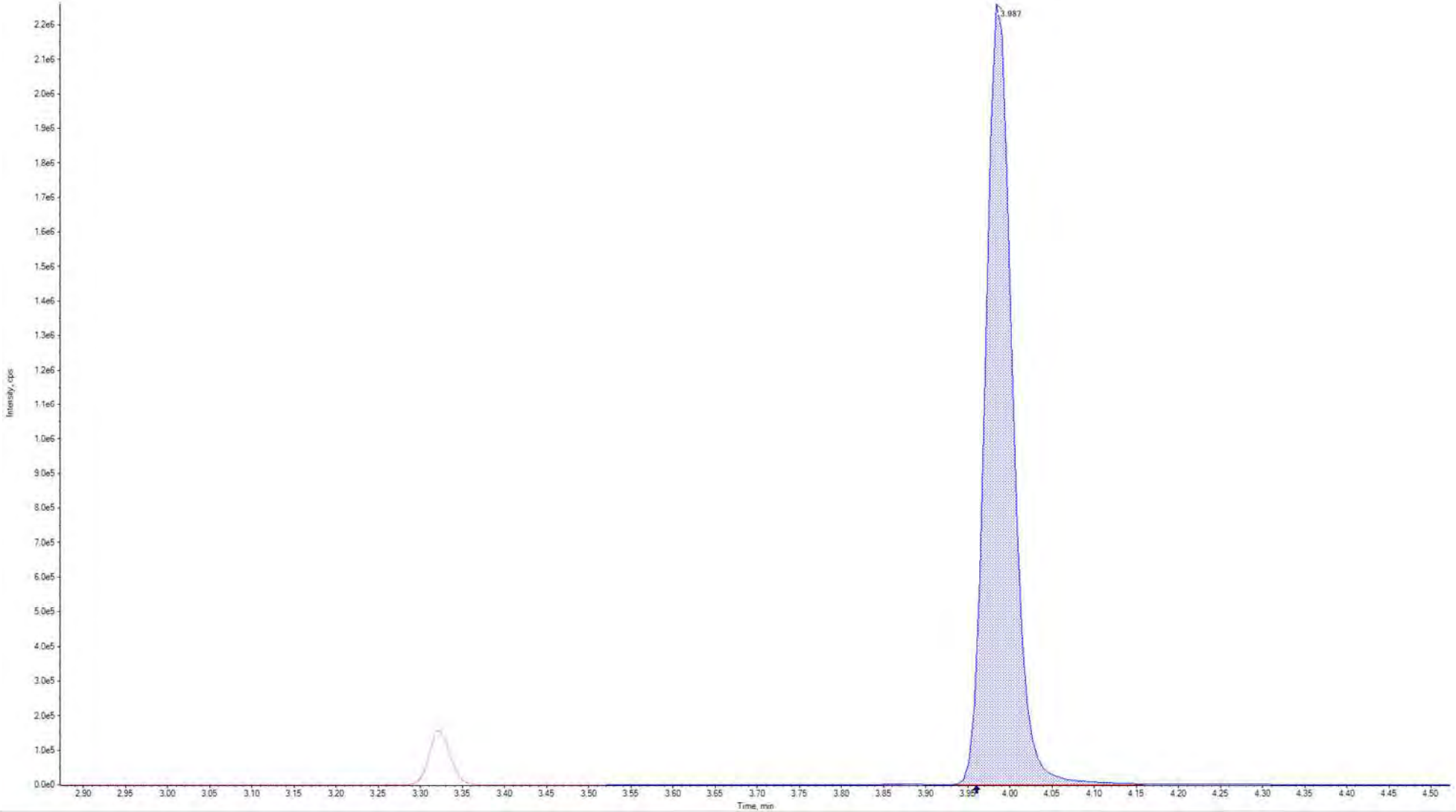
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

7:3FTCA
Sample: WG2012688-2,1633FMED S/N:3131.7 Points Across peak:38



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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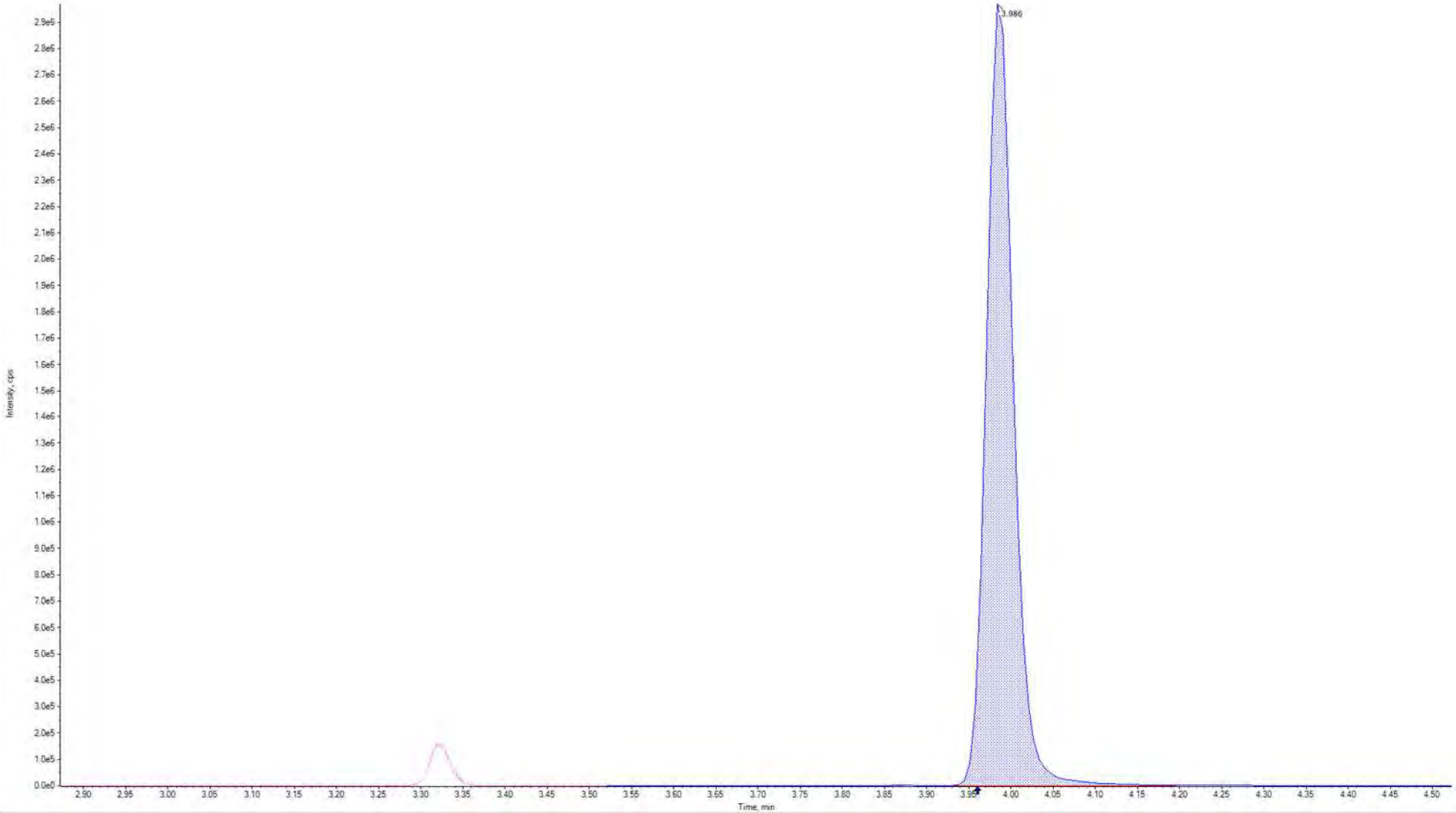
Generated: 12/23/2024 2:36:12 PM

7:3FTCA_2
Sample: WG2012688-2,1633FMED S/N:13075.5 Points Across peak:46



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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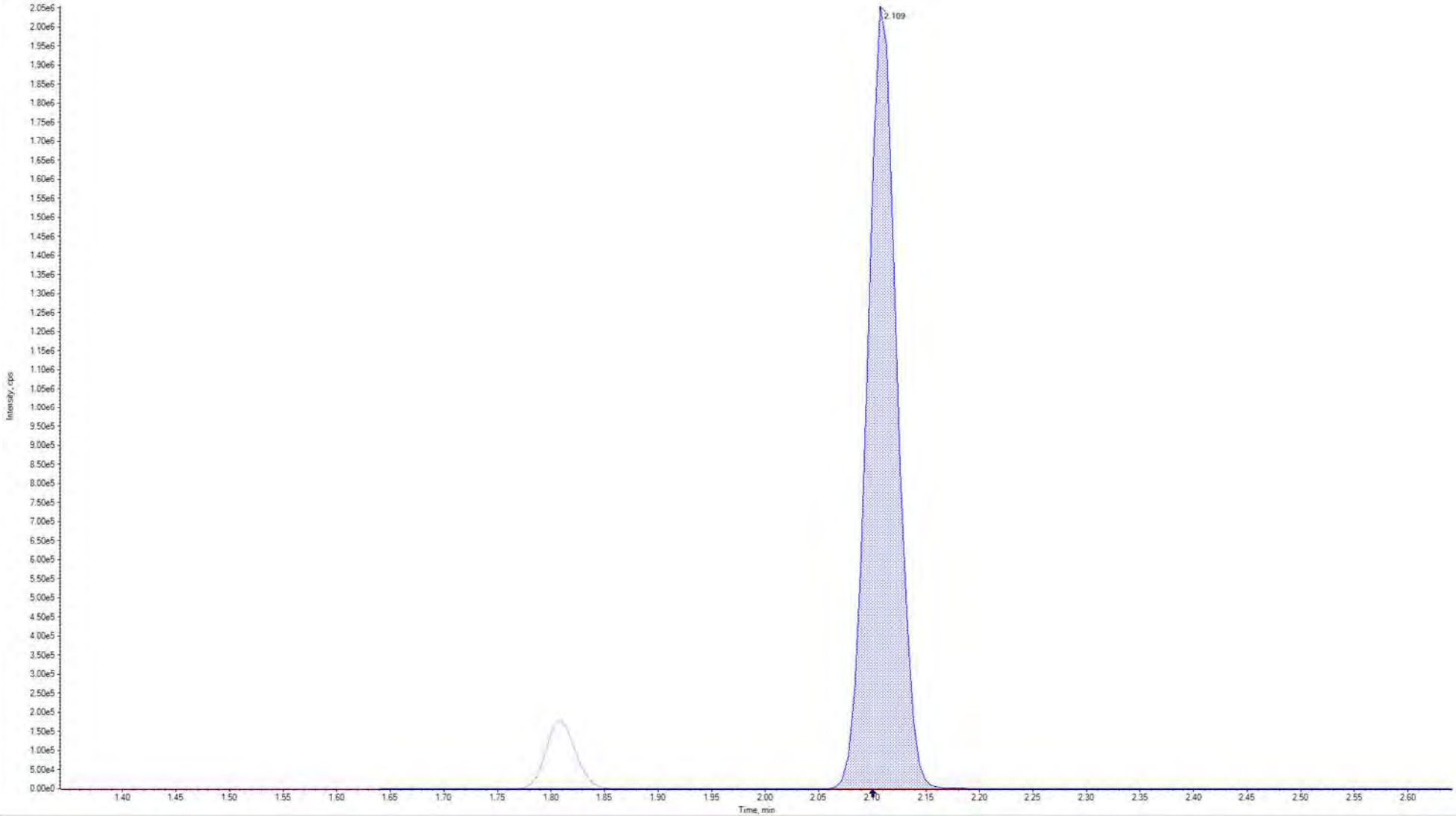
PFEESA
Sample: WG2012688-2,1633FMED S/N:10877.4 Points Across peak:35



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/24/2024 7:52:08 AM
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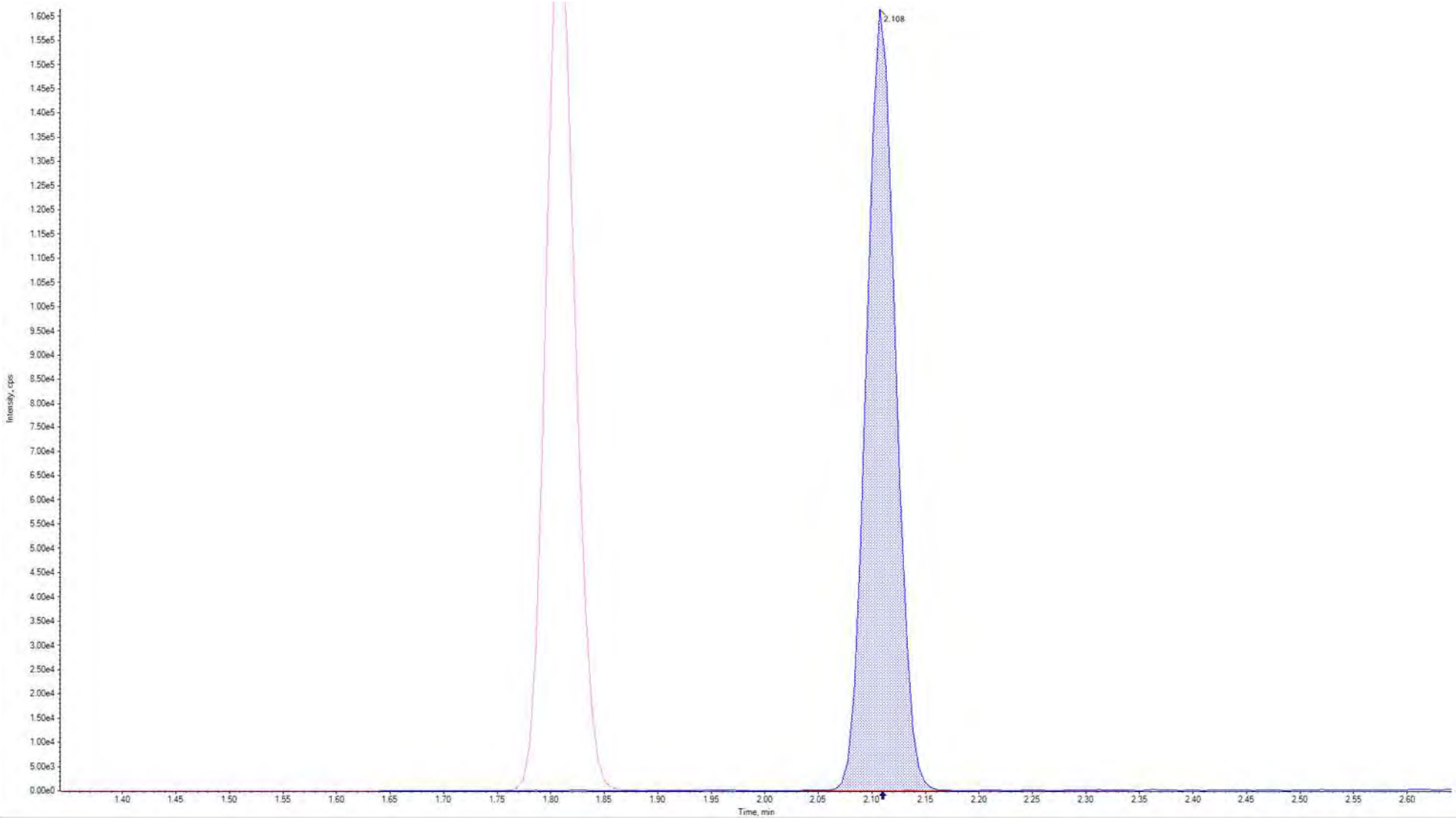
PFEESA_2
Sample: WG2012688-2,1633FMED S/N:3641.7 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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PFMPA
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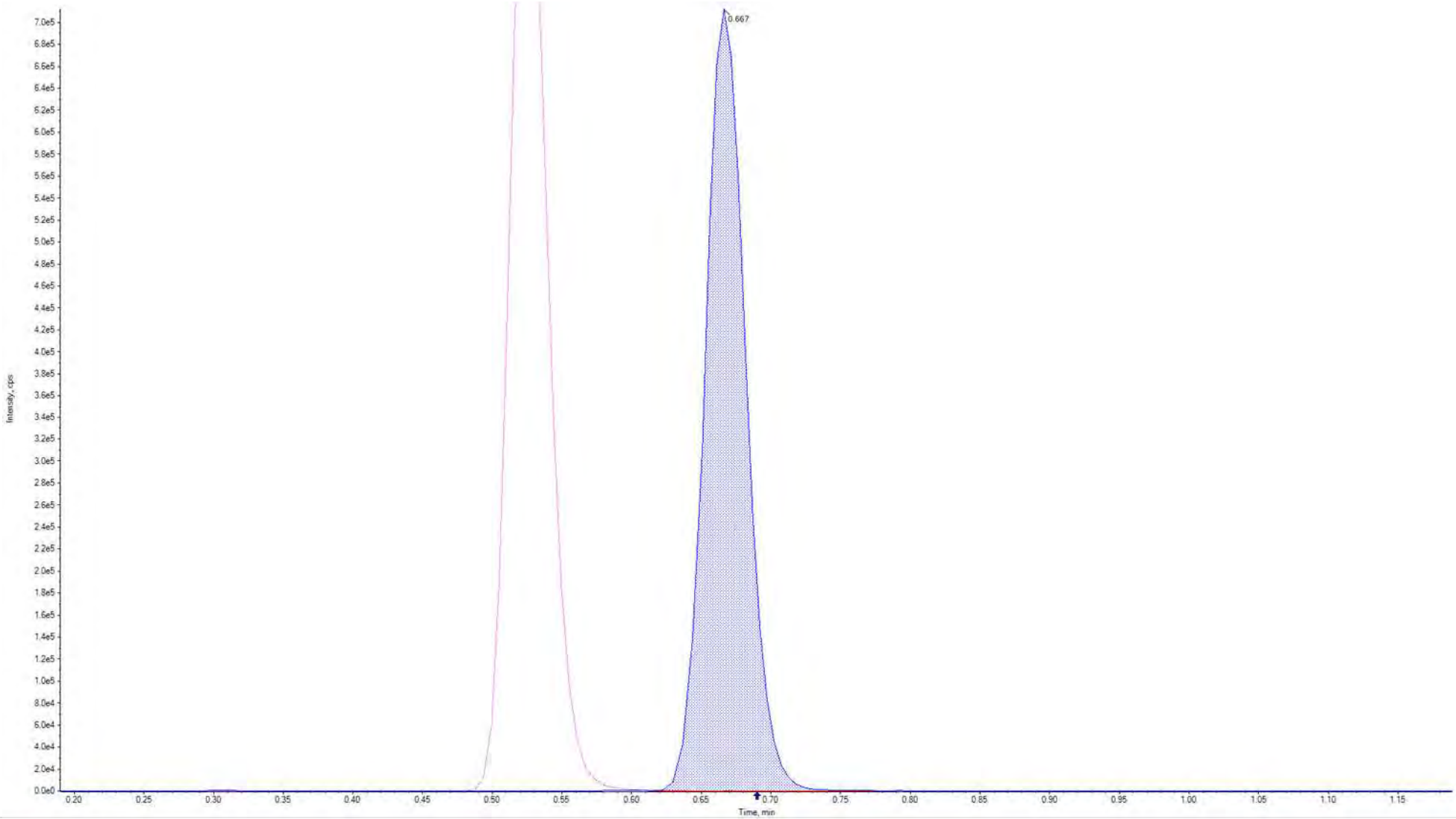

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Alpha Analytical LLC
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PFMBA
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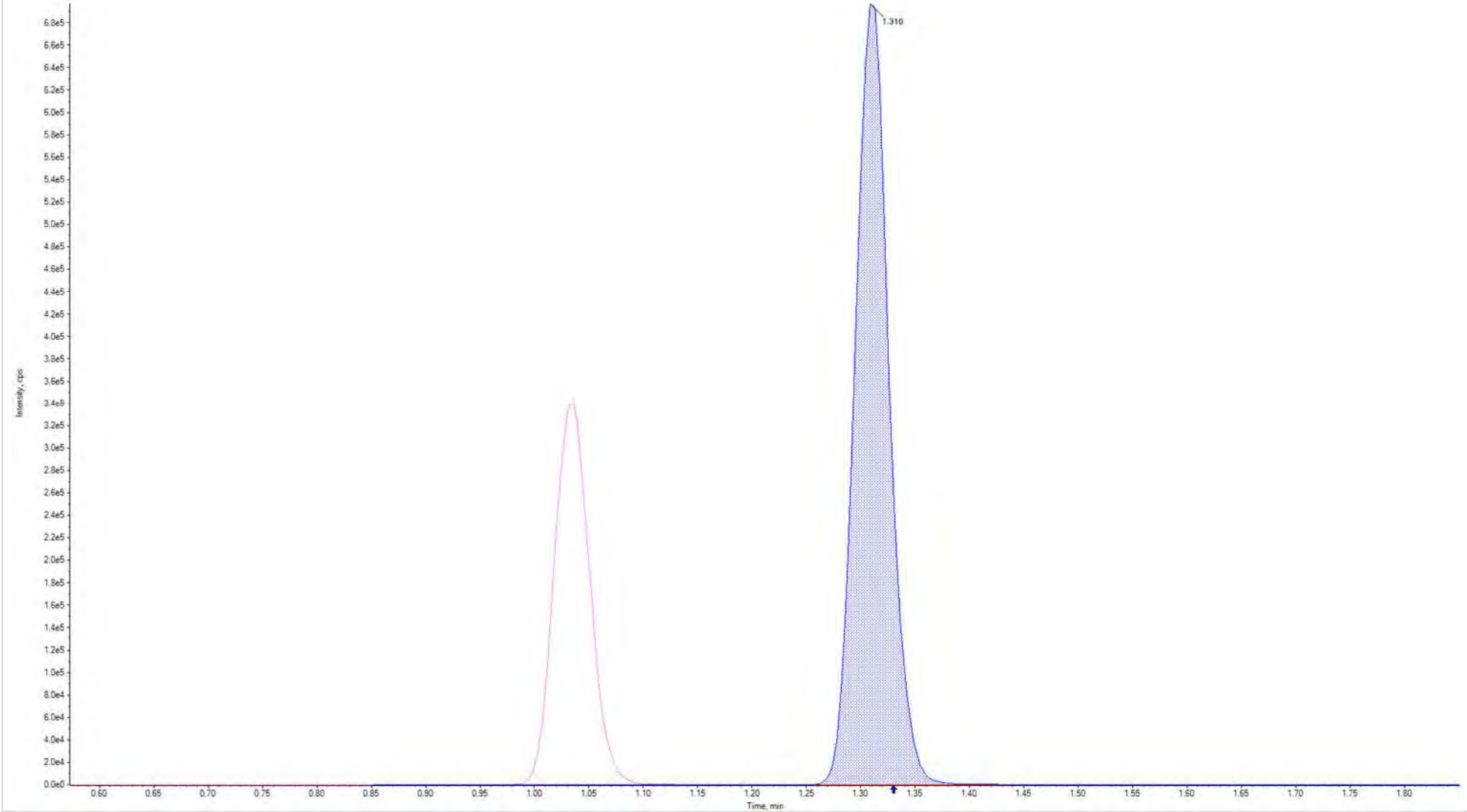

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Alpha Analytical LLC
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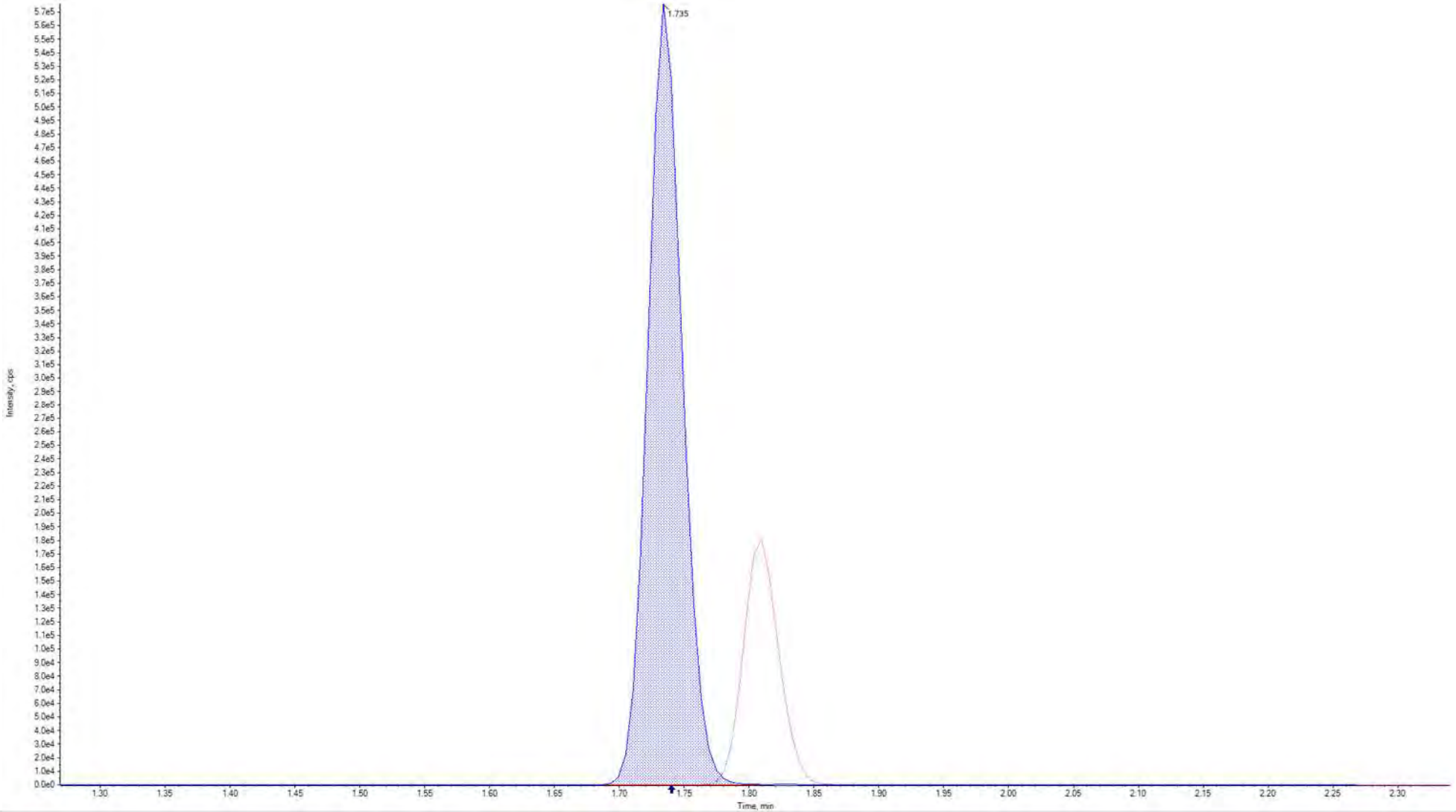
NFDHA
Sample: WG2012688-2,1633FMED S/N:5405.6 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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NFDHA_2
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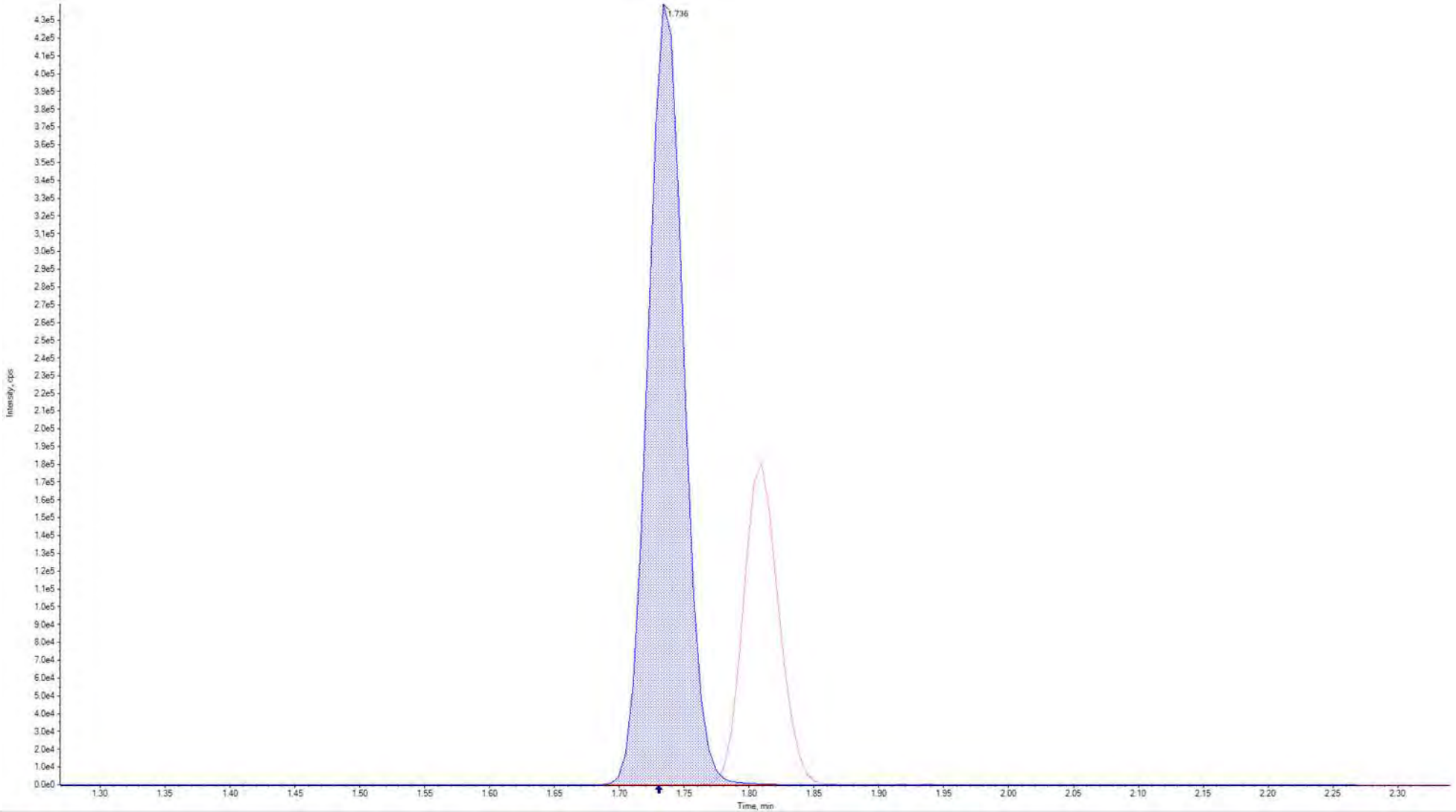

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TDCA
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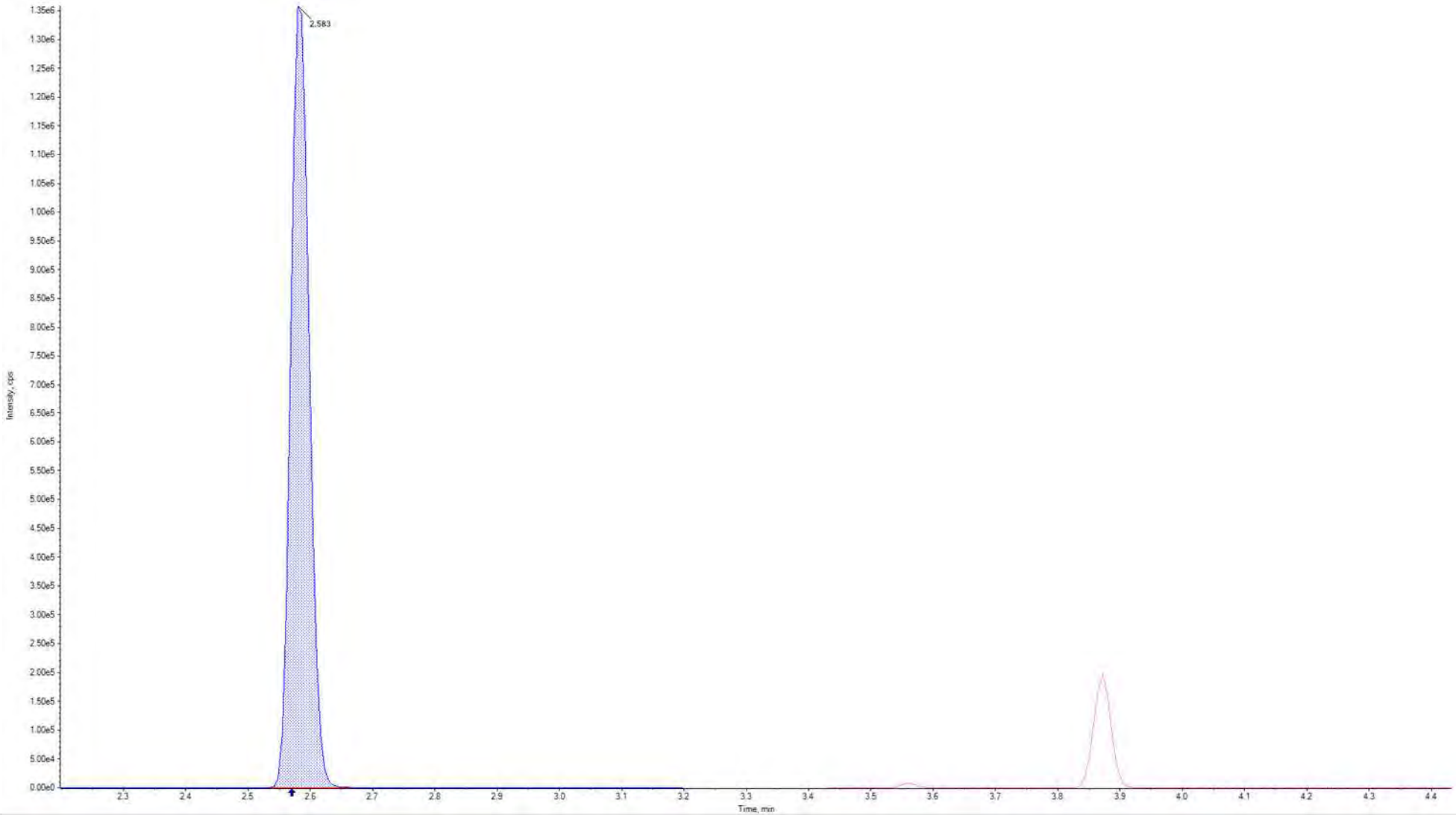

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Alpha Analytical LLC
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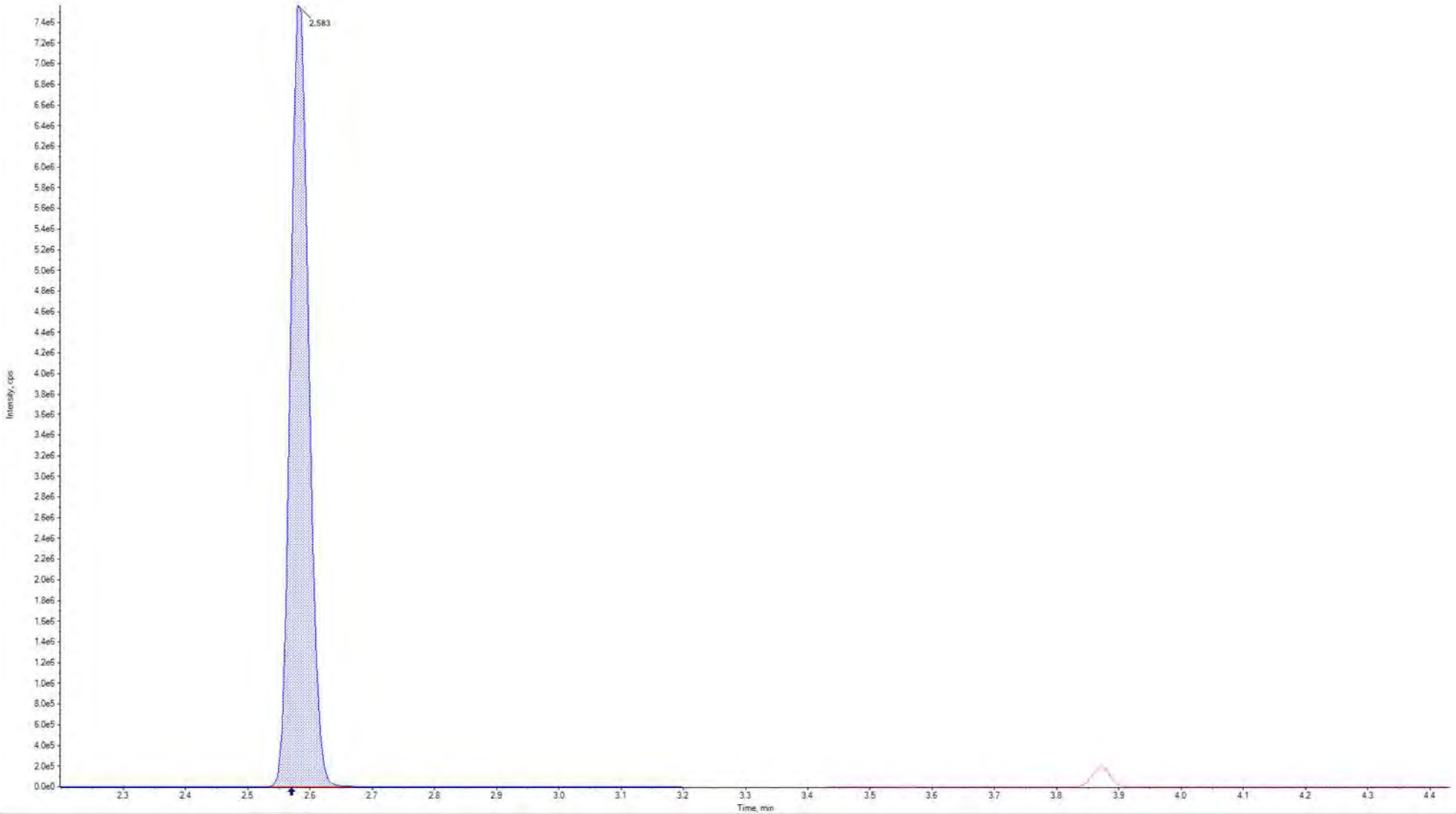
TDCA_2
Sample: WG2012688-2,1633FMED S/N:151677.5 Points Across peak:46



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13C2D4-4:2FTS
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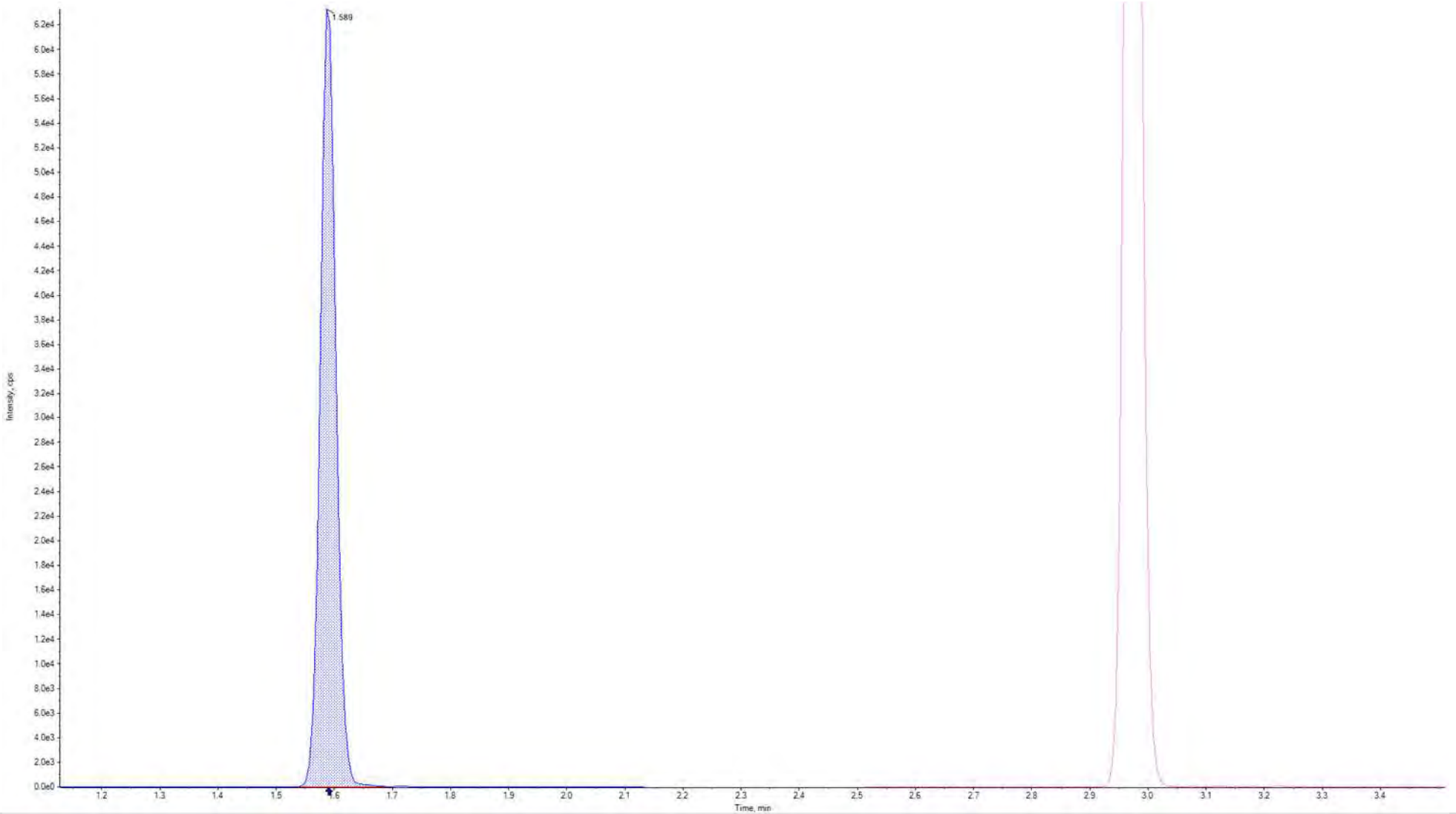

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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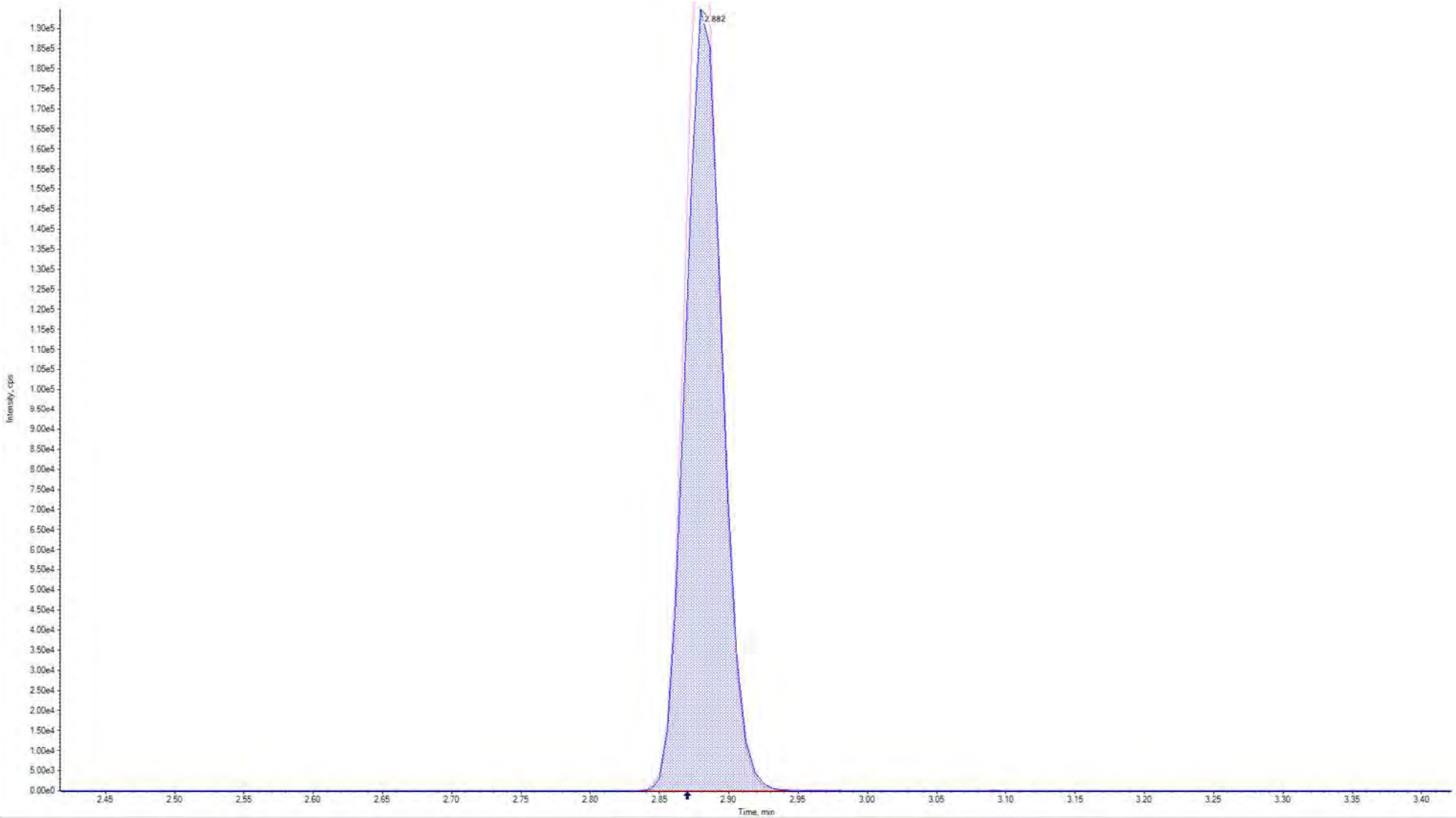
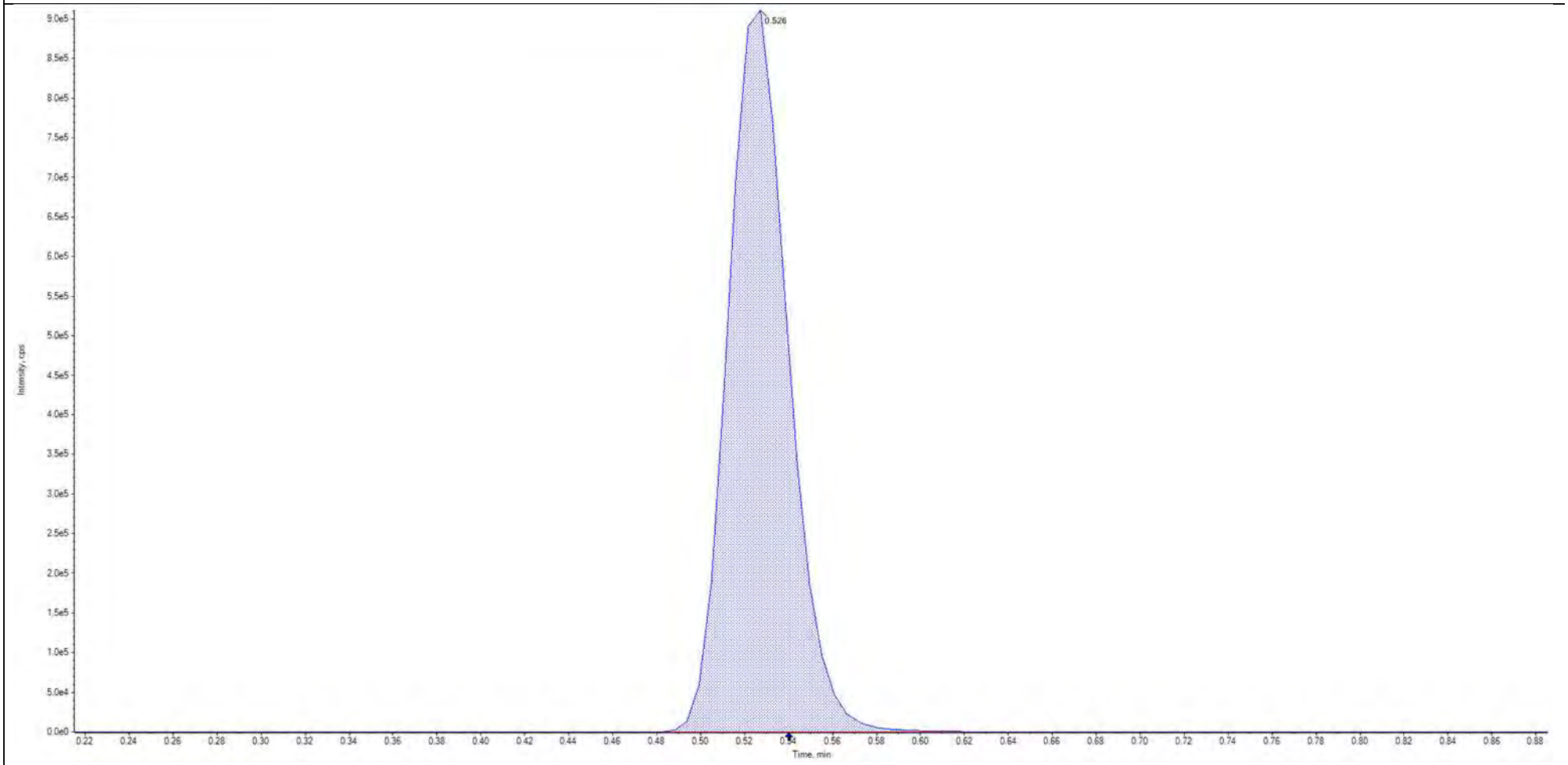
Generated: 12/23/2024 2:36:12 PM

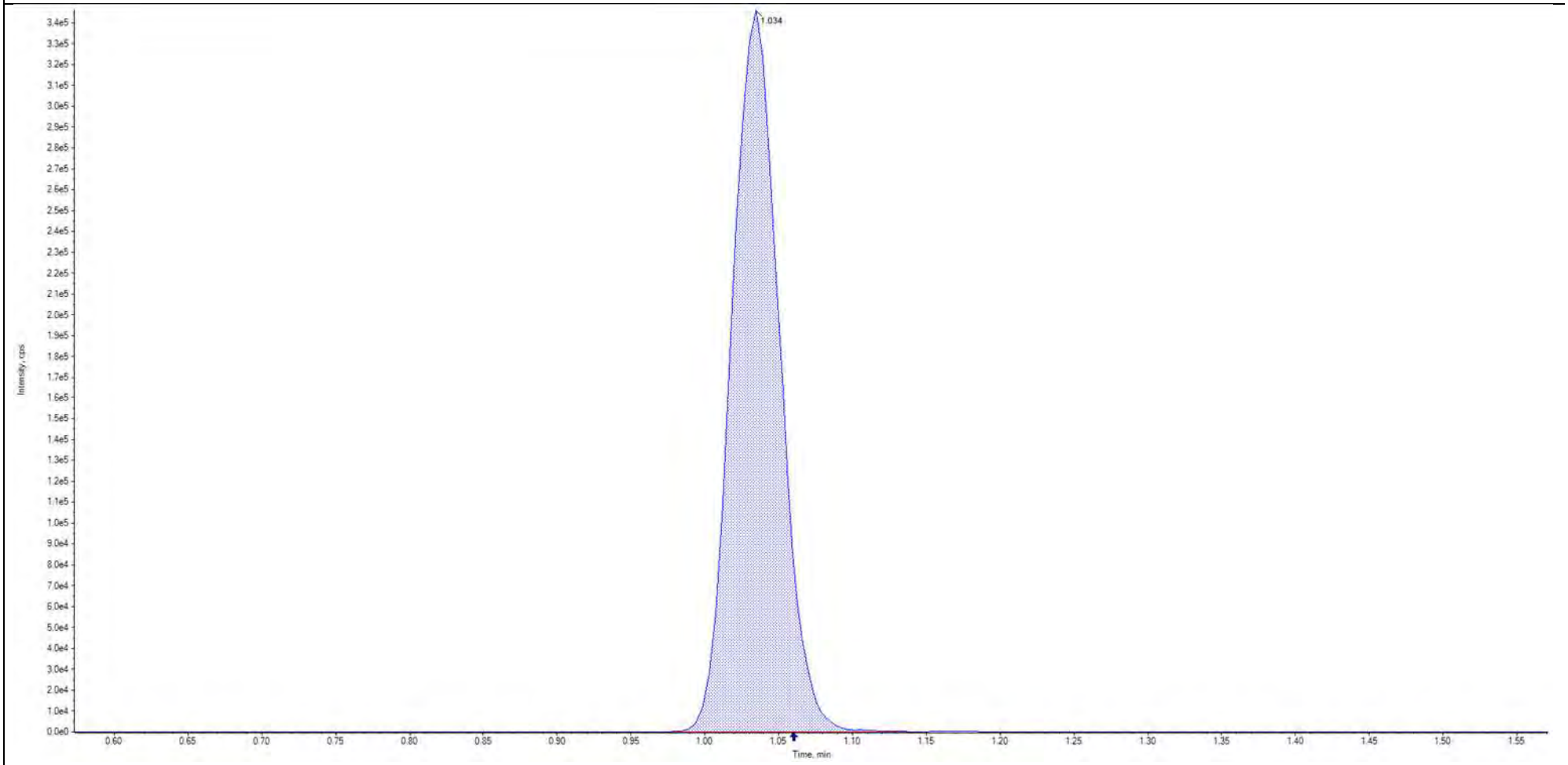
13C2-PFOA
Sample: WG2012688-2,1633FMED S/N:4395.2 Points Across peak:27



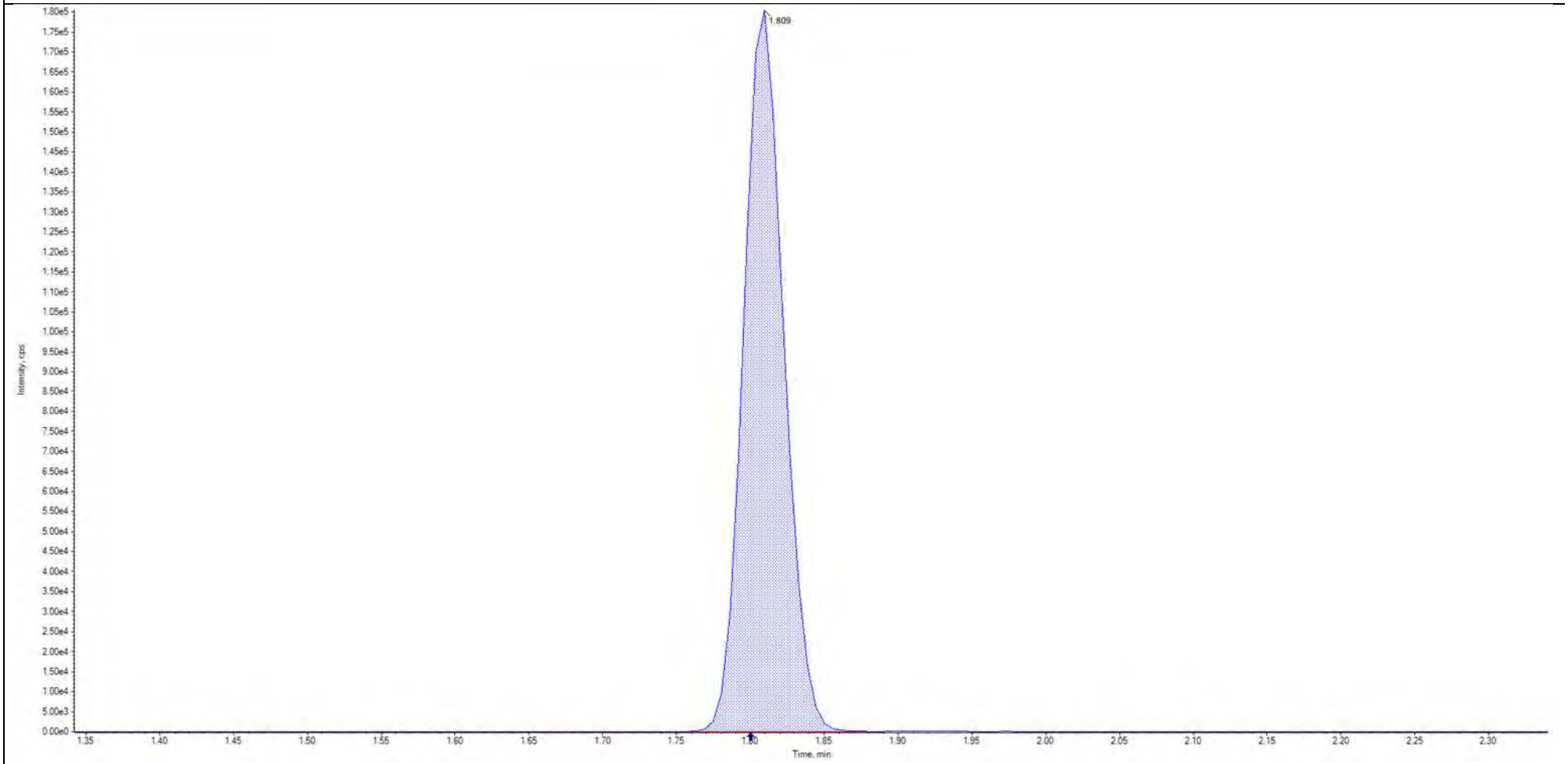
13C4-PFBA
Sample: WG2012688-2,1633FMED



13C5-PFPeA
Sample: WG2012688-2,1633FMED



13C5-PFHxA
Sample: WG2012688-2,1633FMED



13C4-PFHpA
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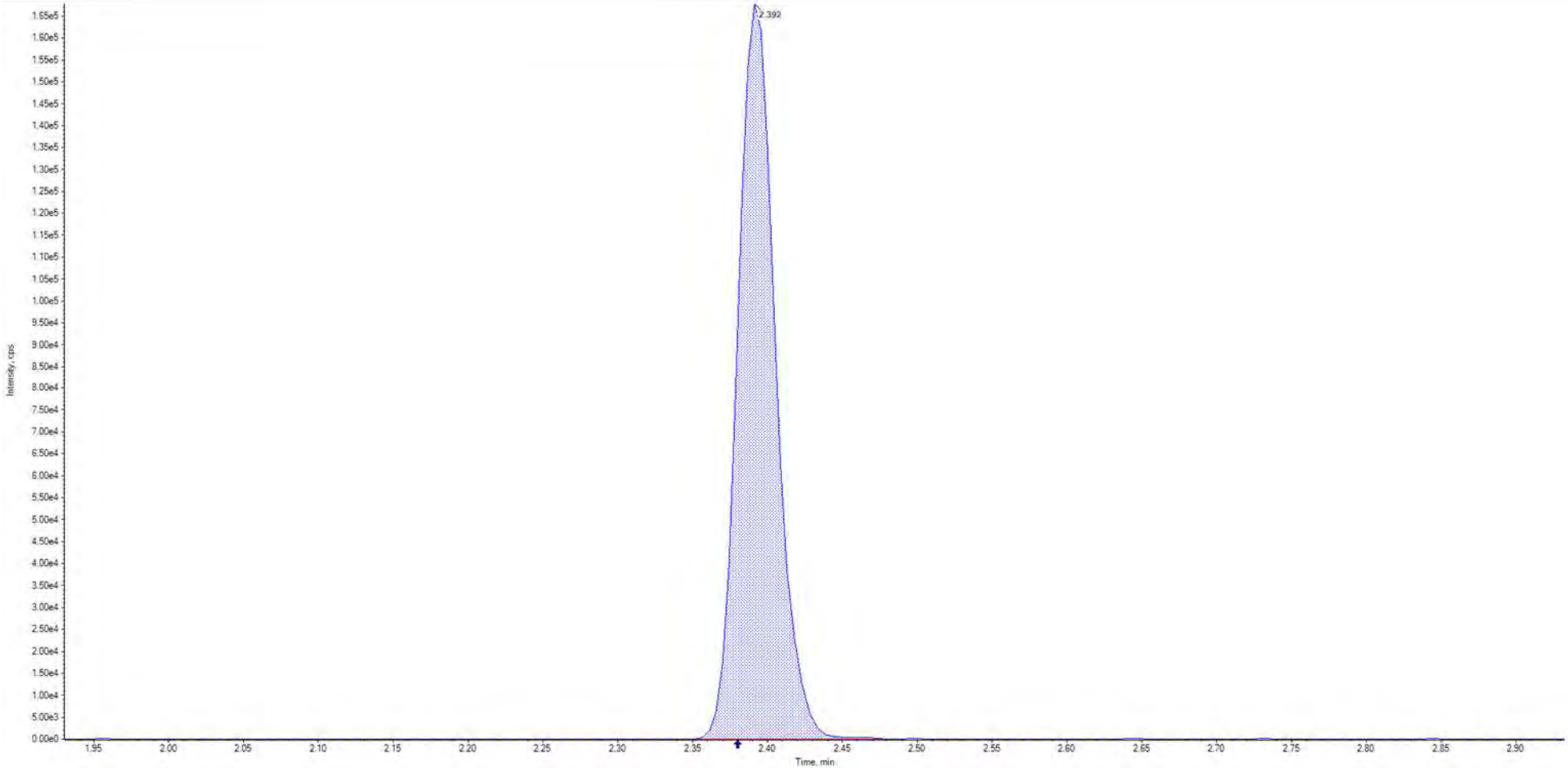
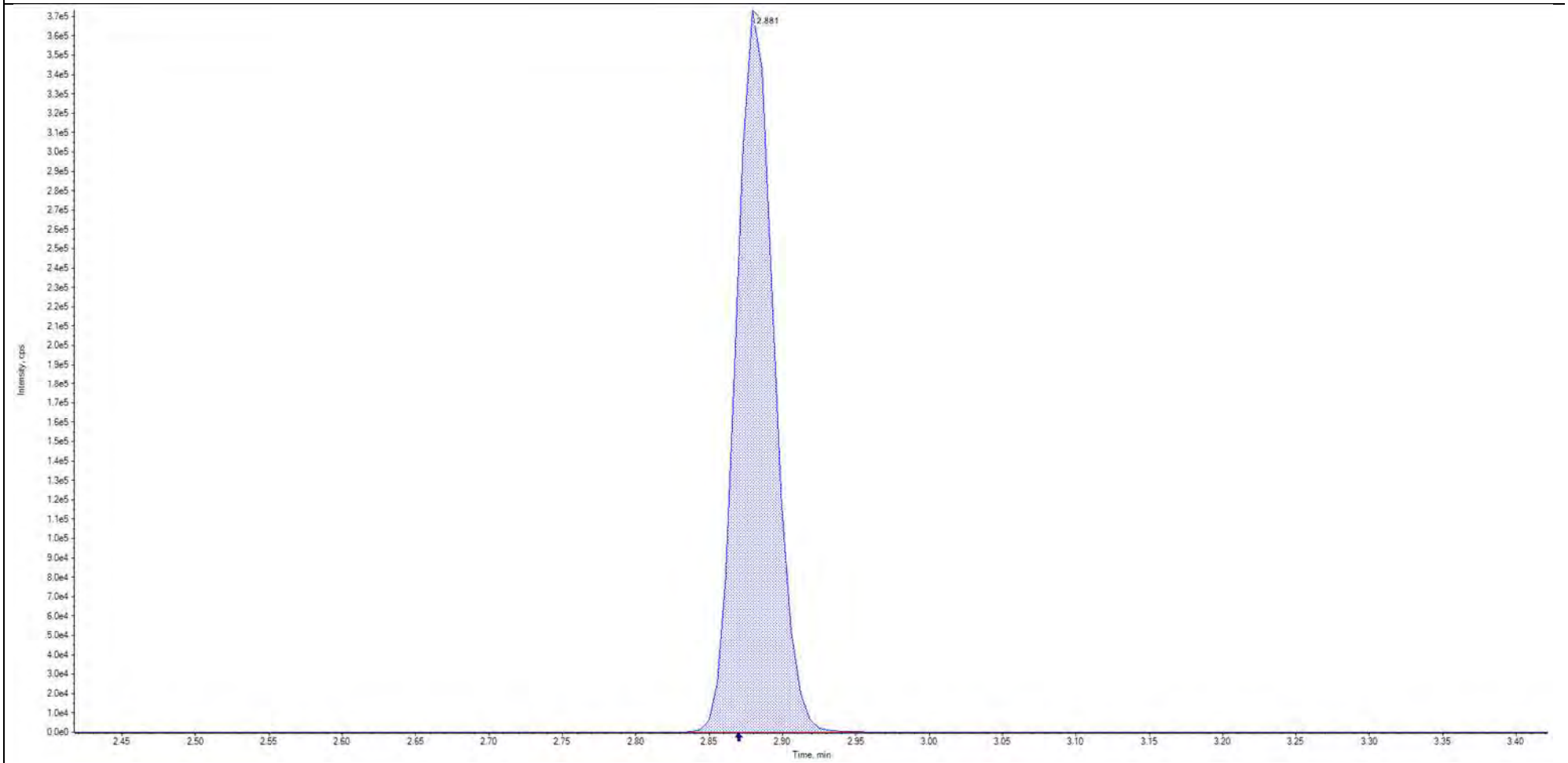


13C8-PFOA
Sample: WG2012688-2,1633FMED



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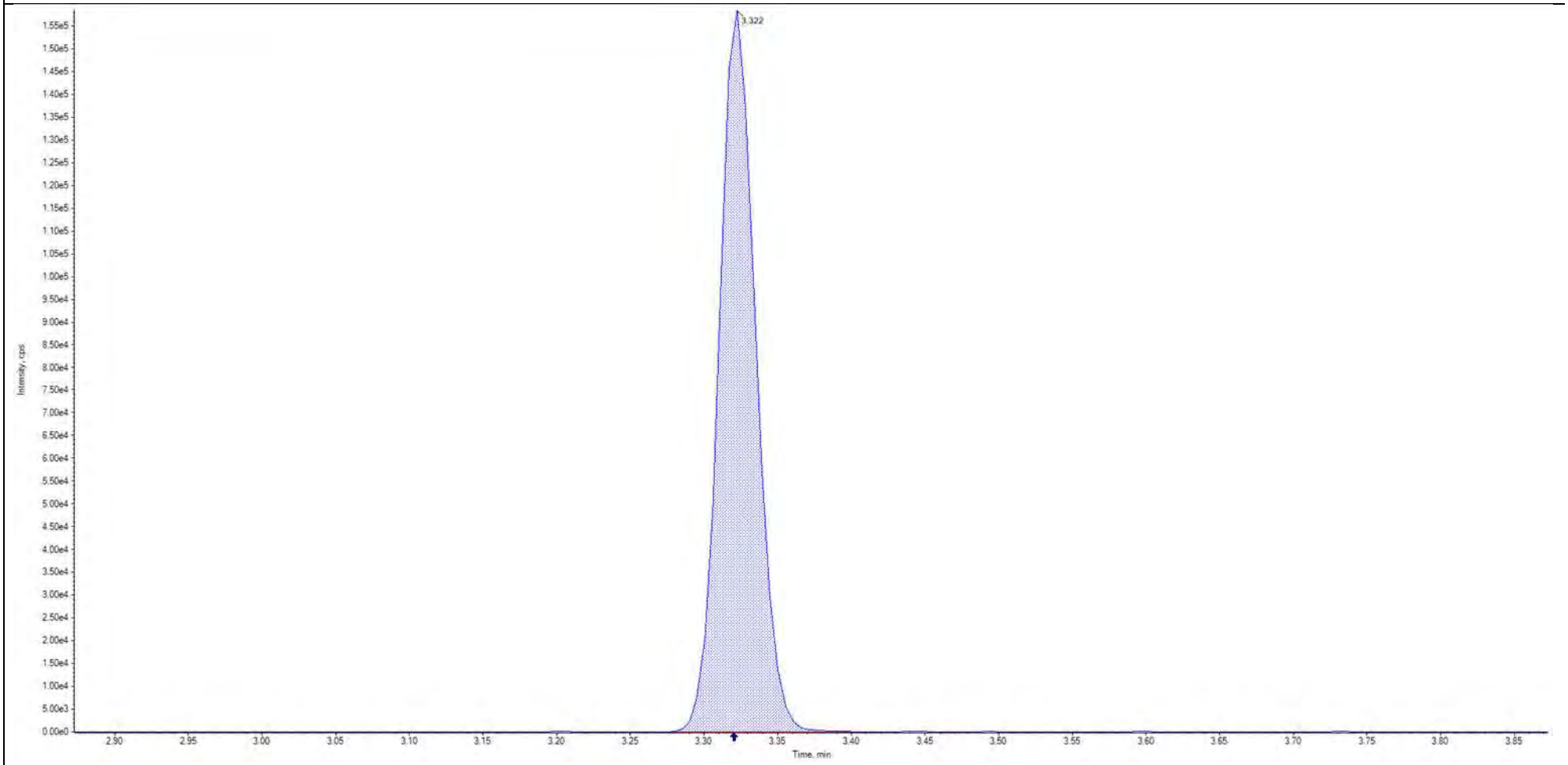

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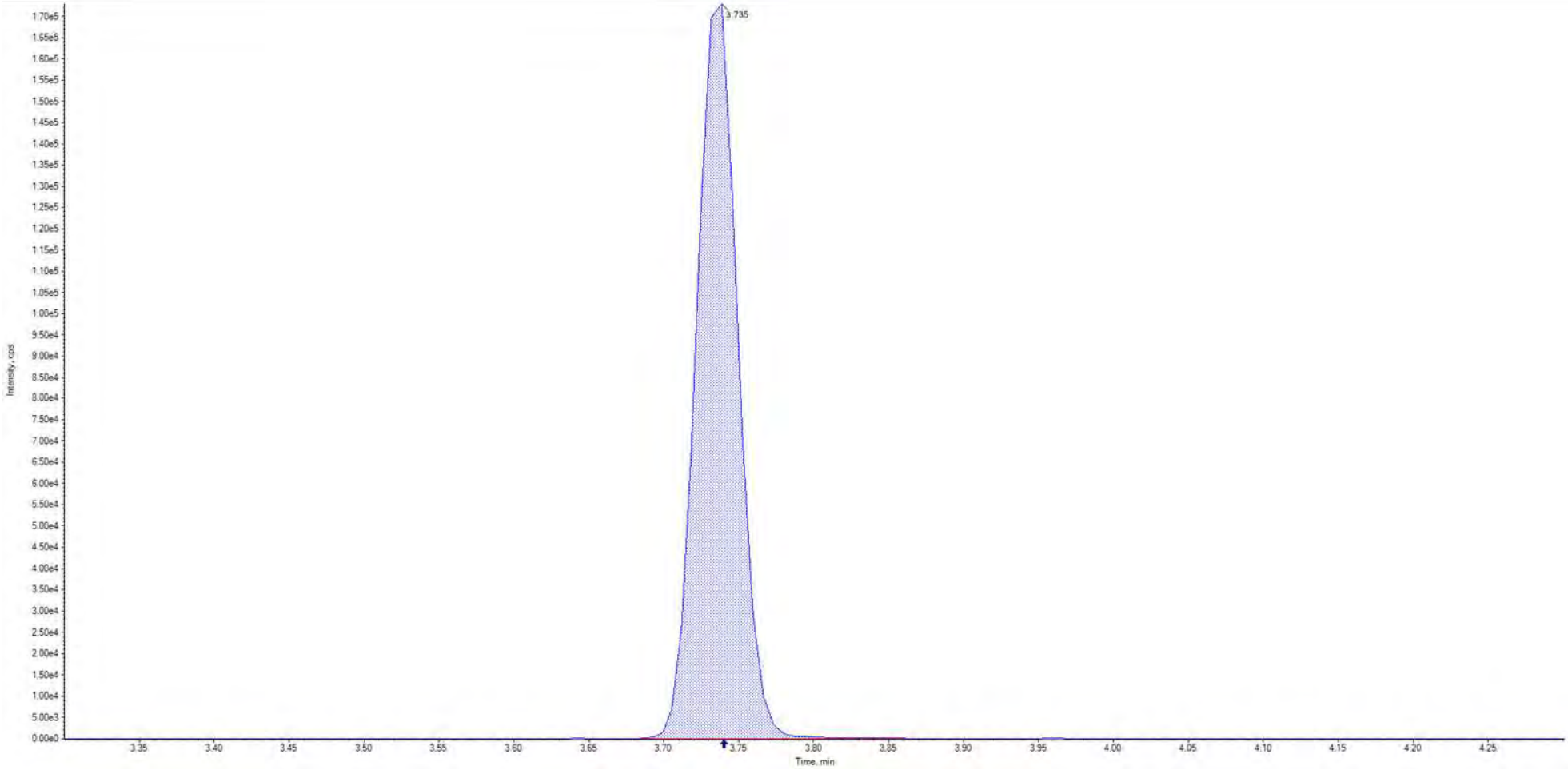

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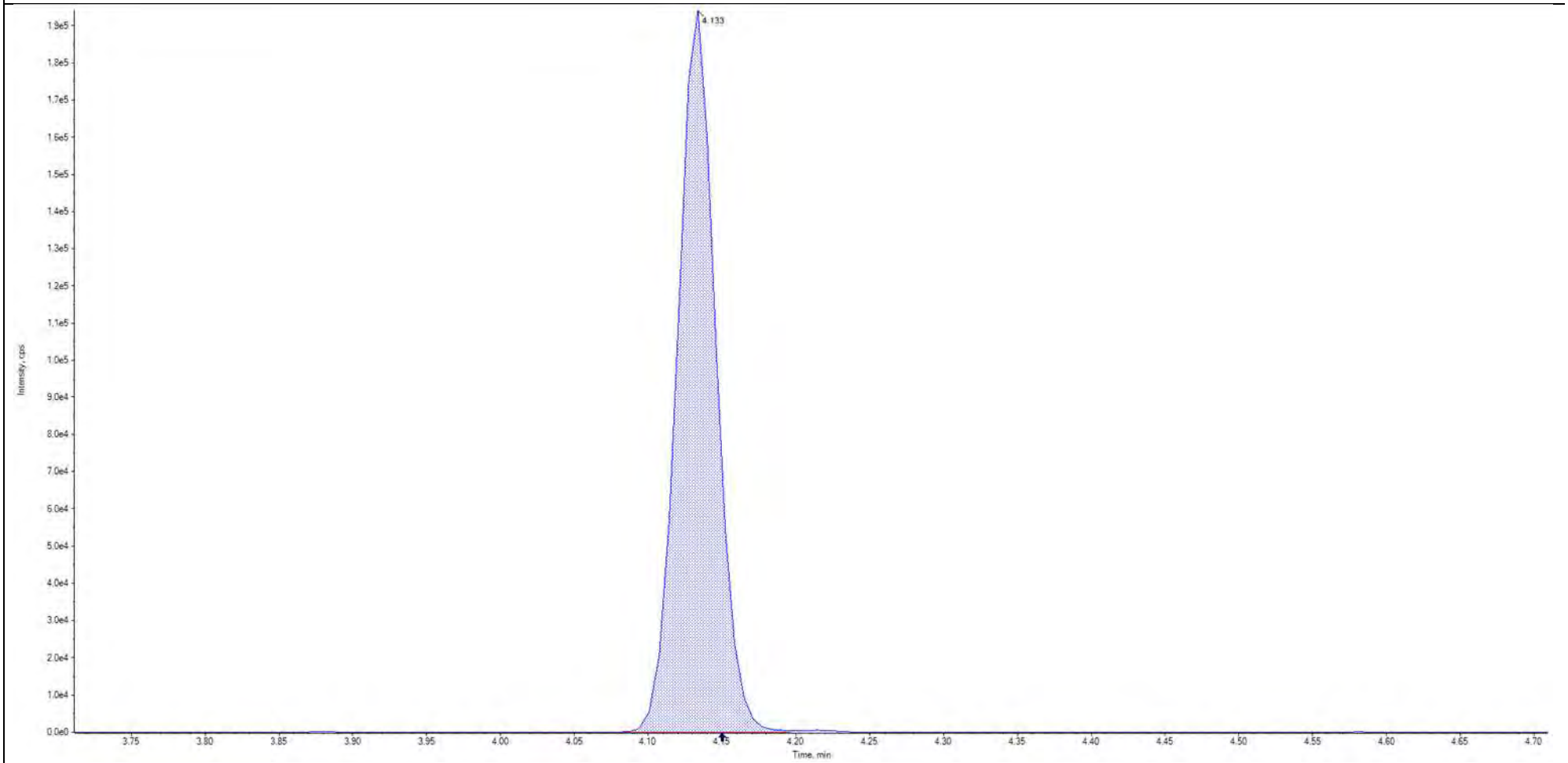

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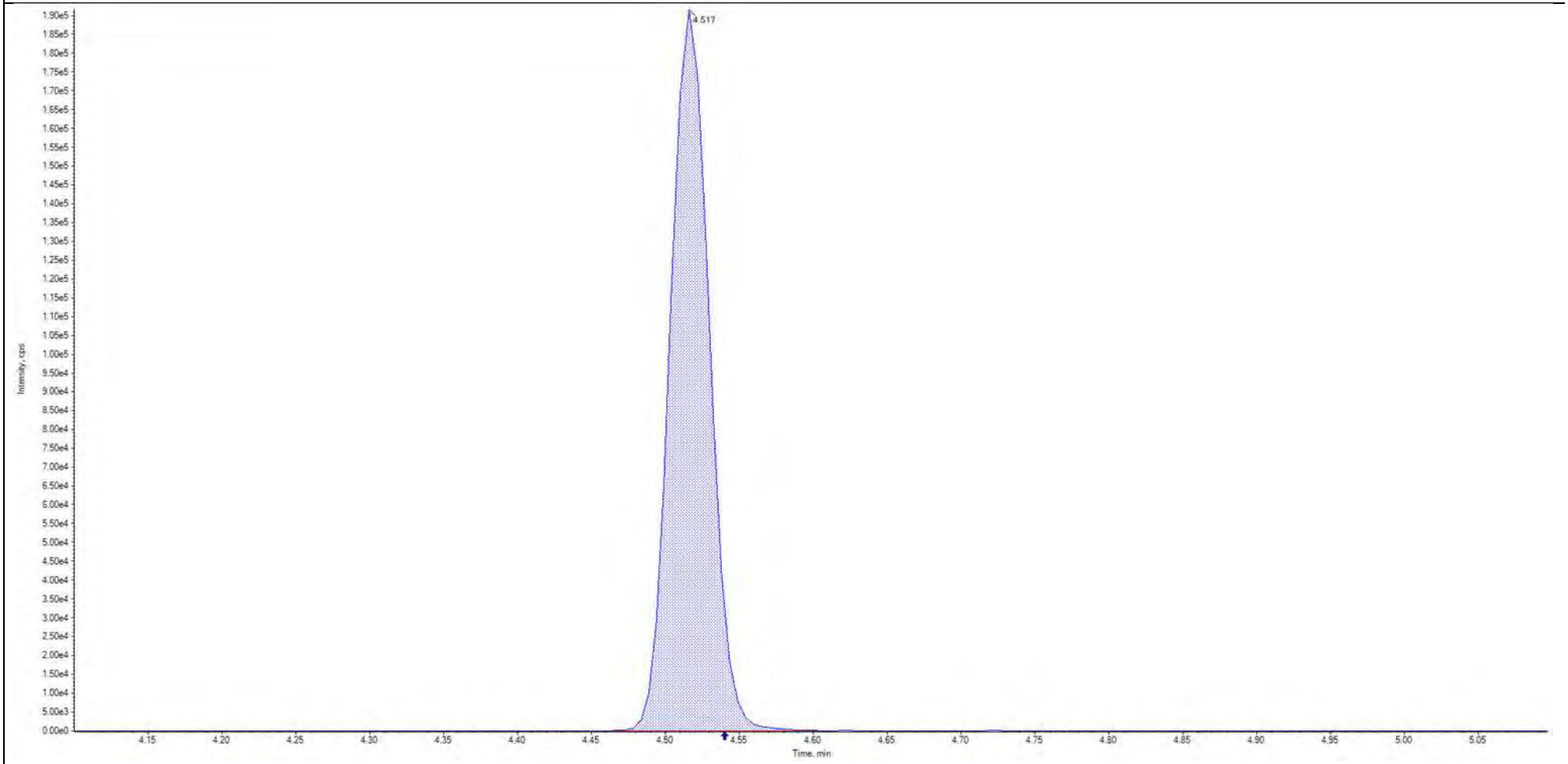
Sample: WG2012688-2,1633FMED



13C2-PFTeDA
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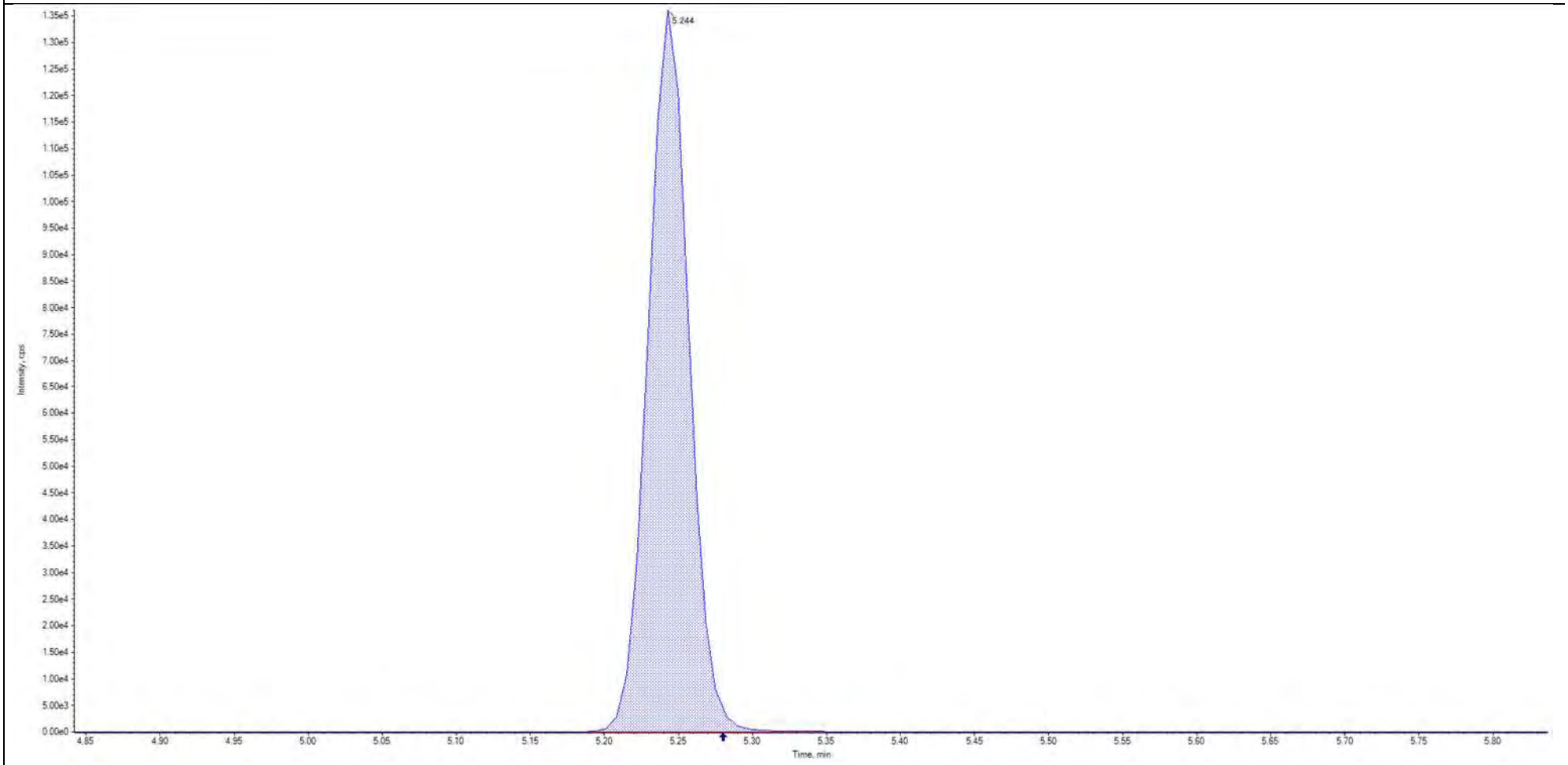
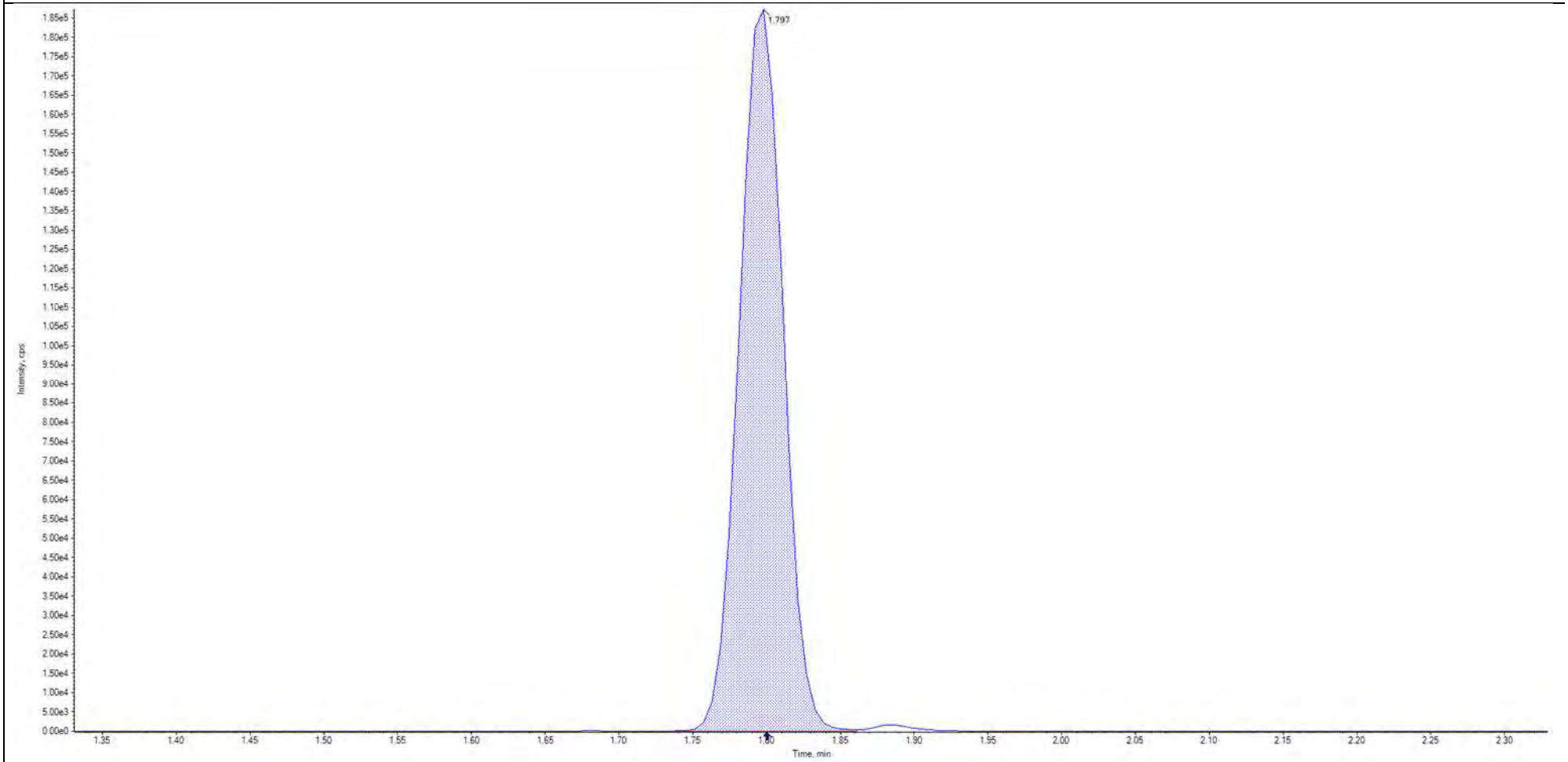
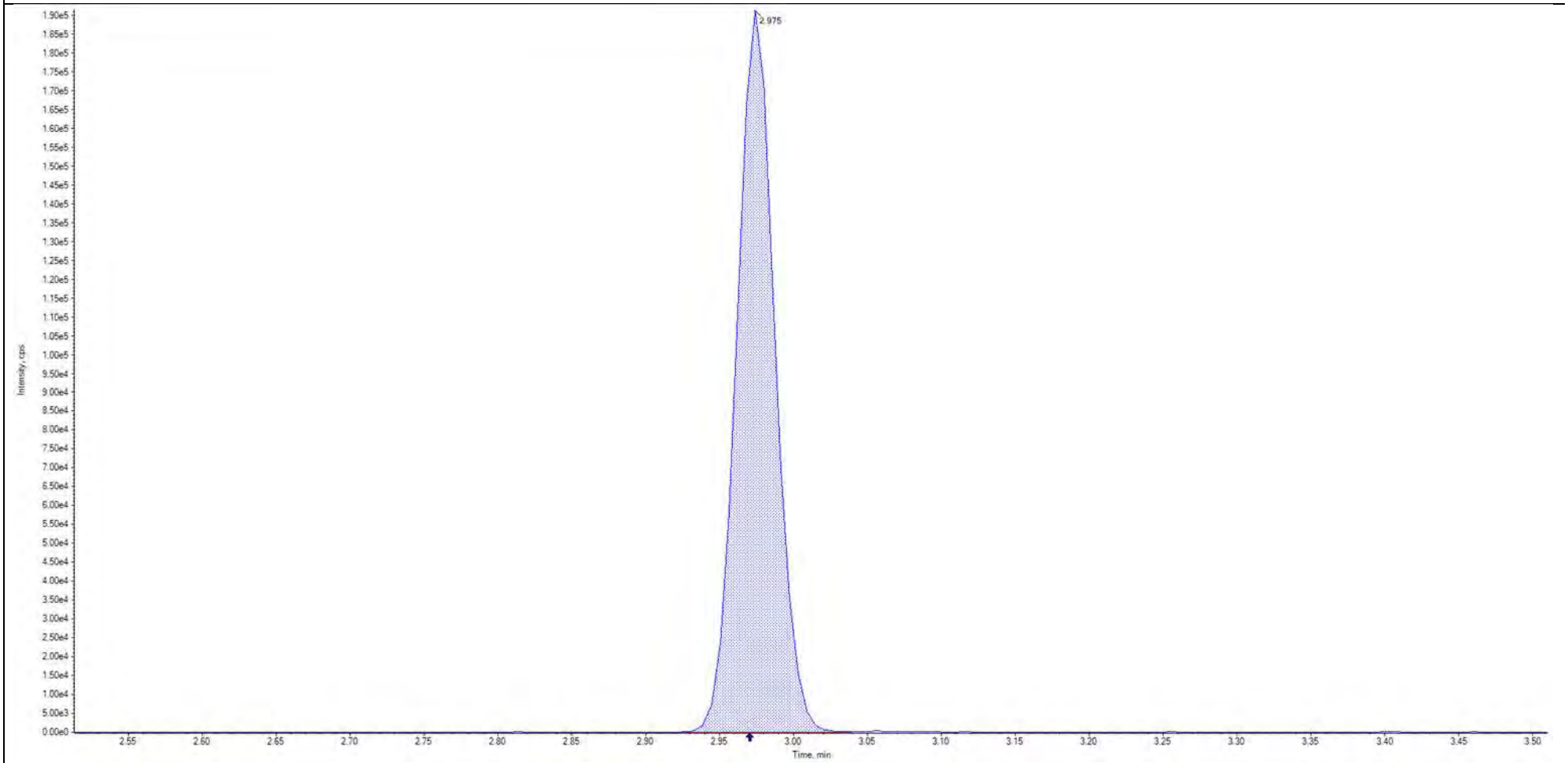


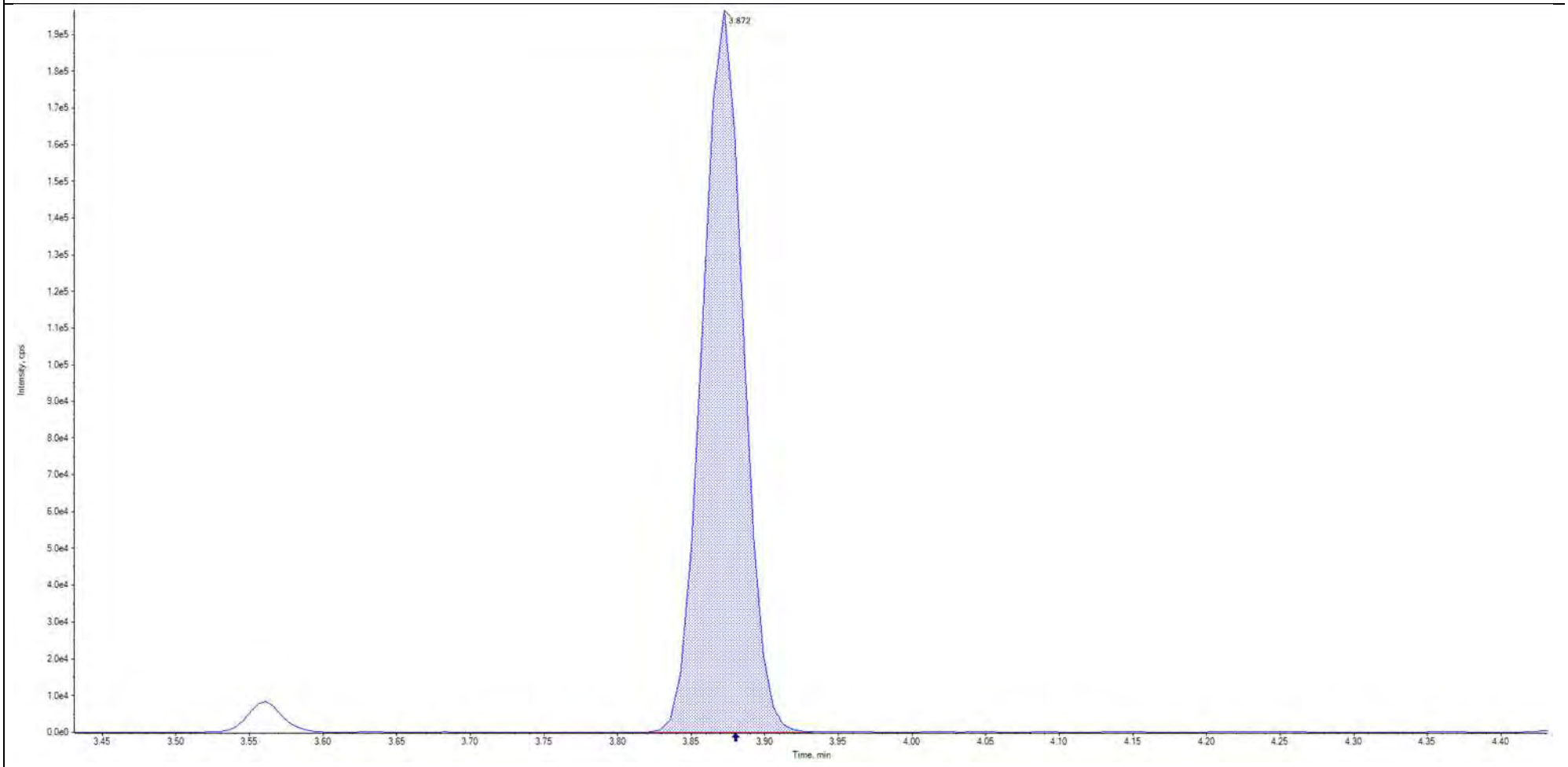
13C3-PFBS
Sample: WG2012688-2,1633FMED



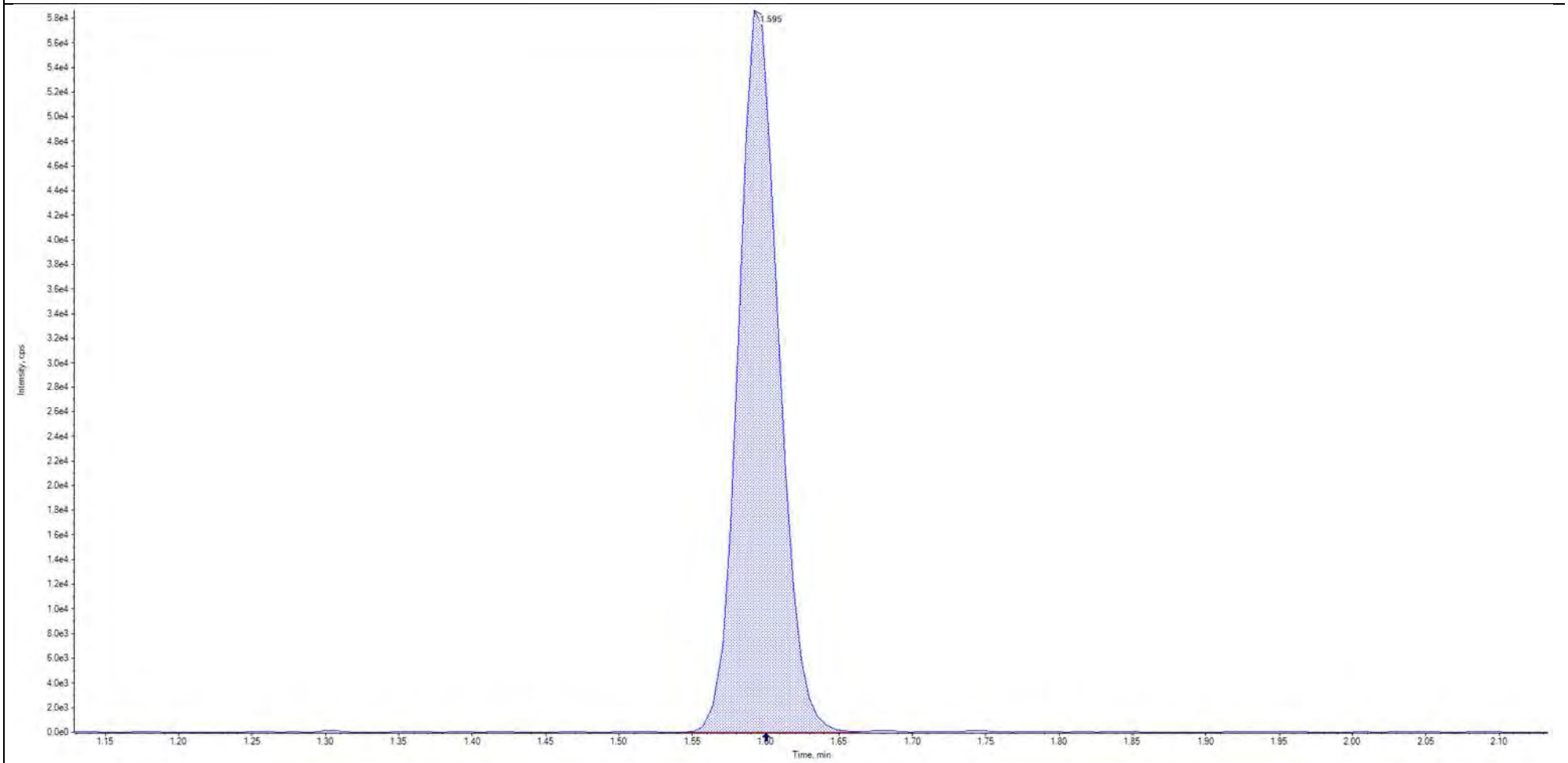
13C3-PFHxS
Sample: WG2012688-2,1633FMED



13C8-PFOS
Sample: WG2012688-2,1633FMED



13C2-4:2FTS
Sample: WG2012688-2,1633FMED



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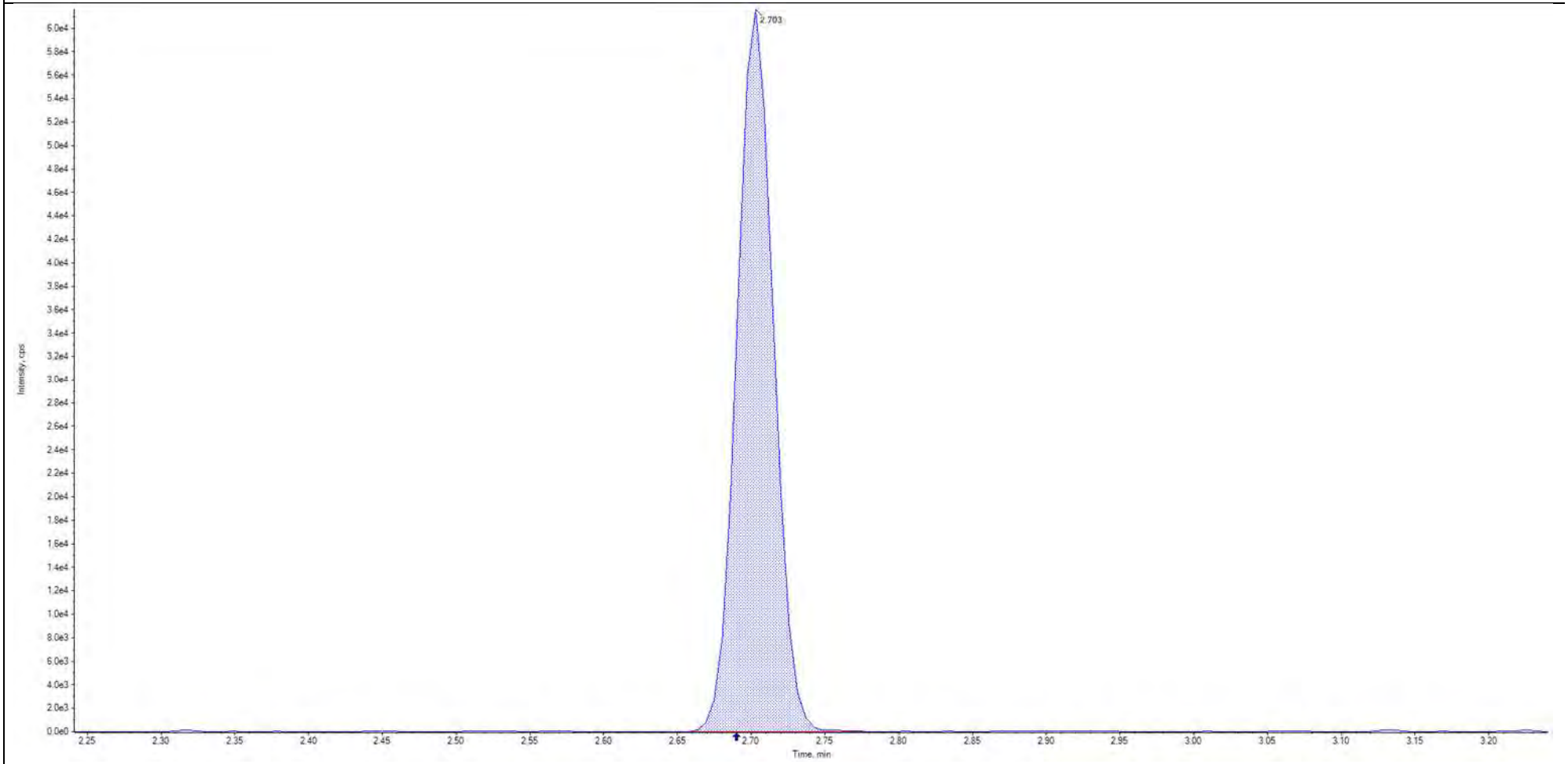

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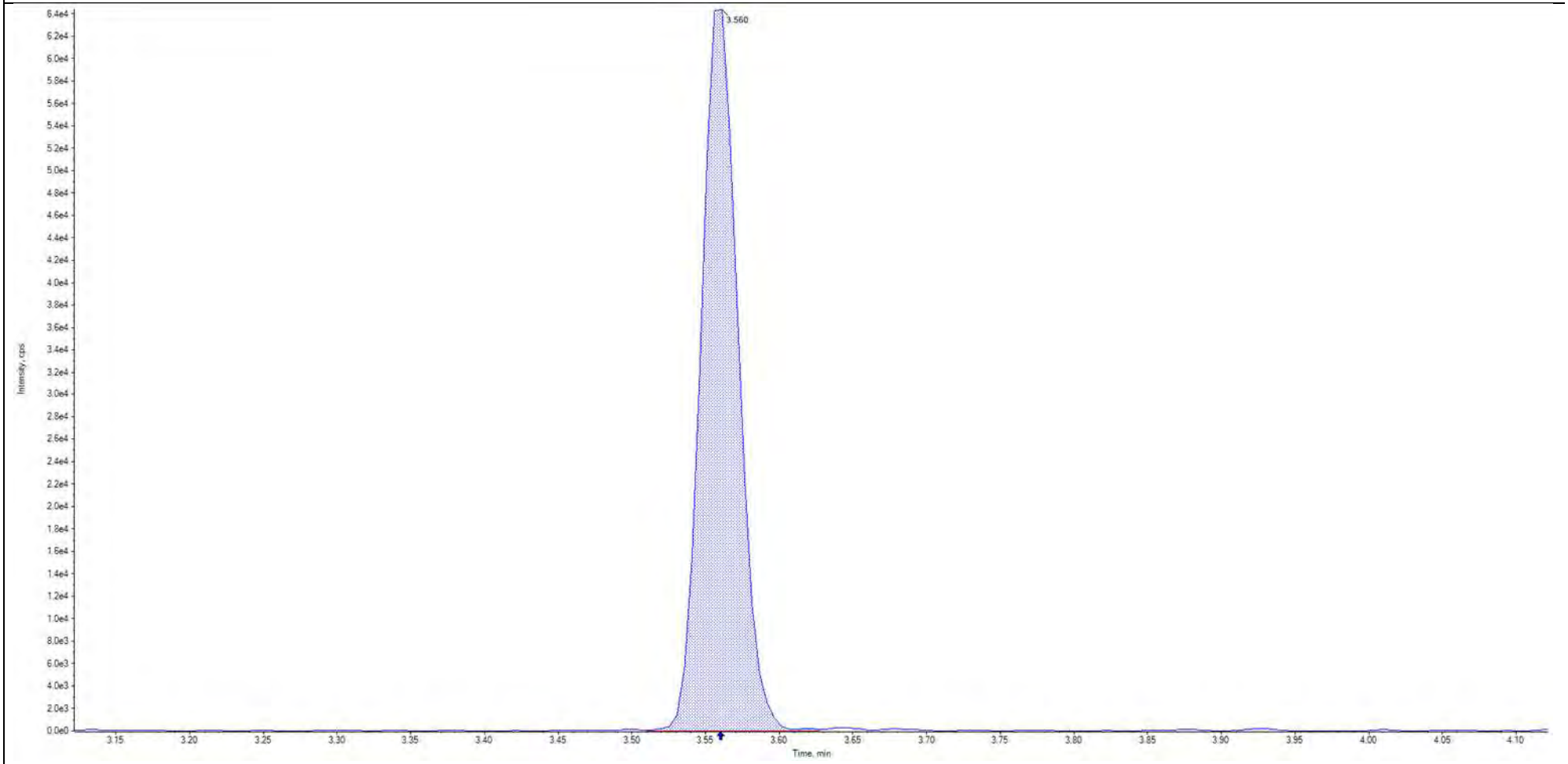

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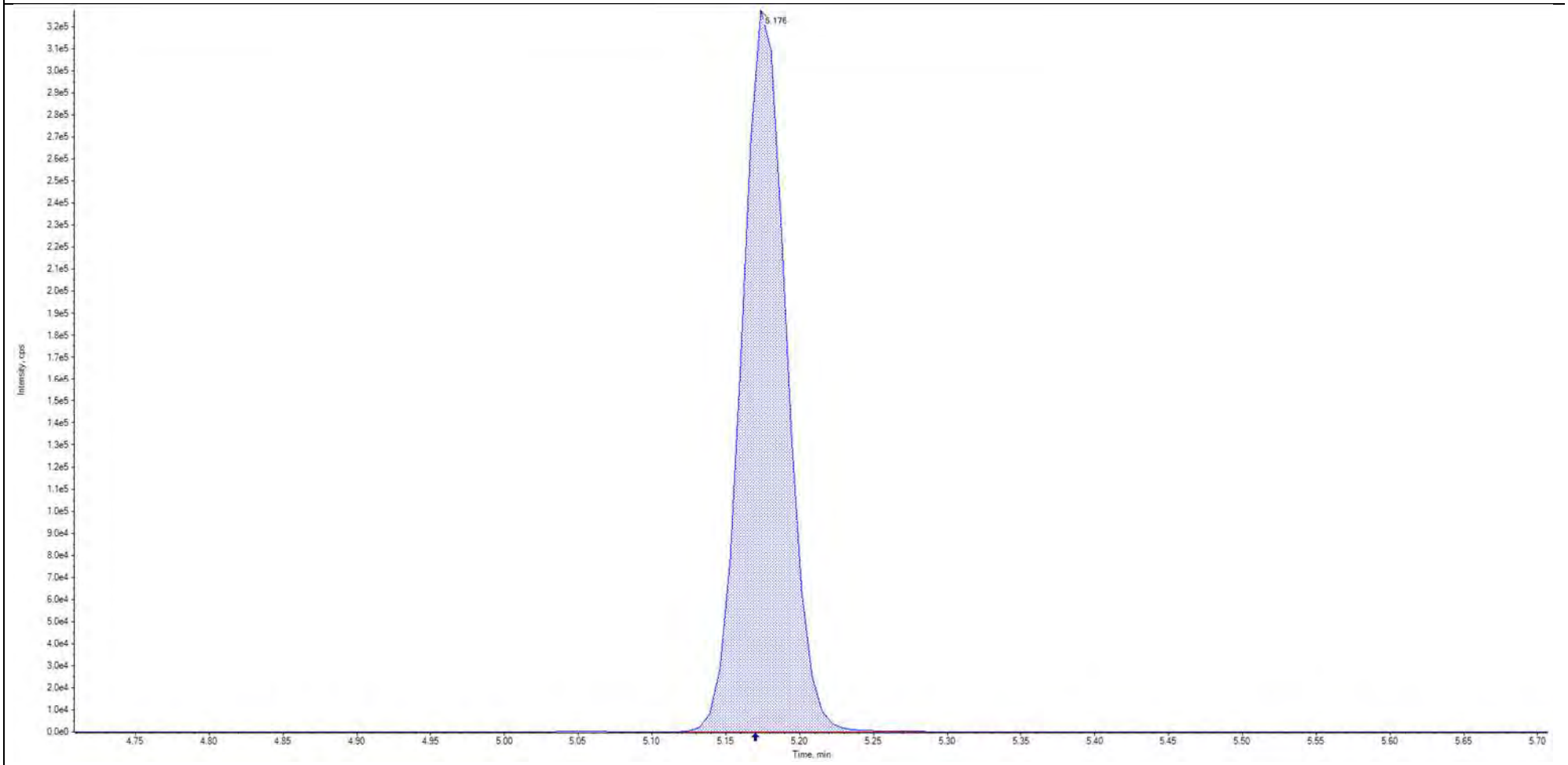

d3-NMeFOSA
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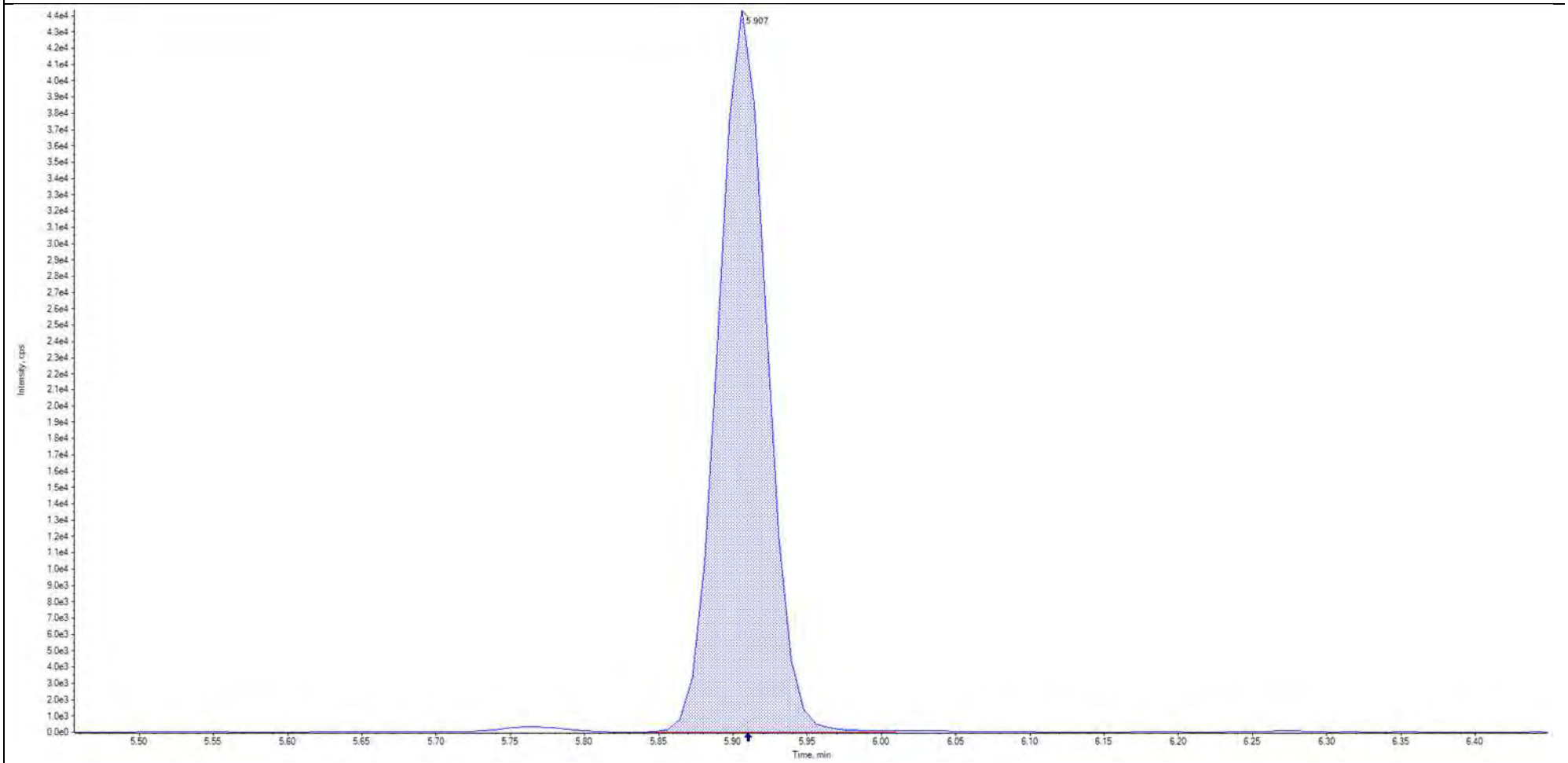

d5-NEtFOSA
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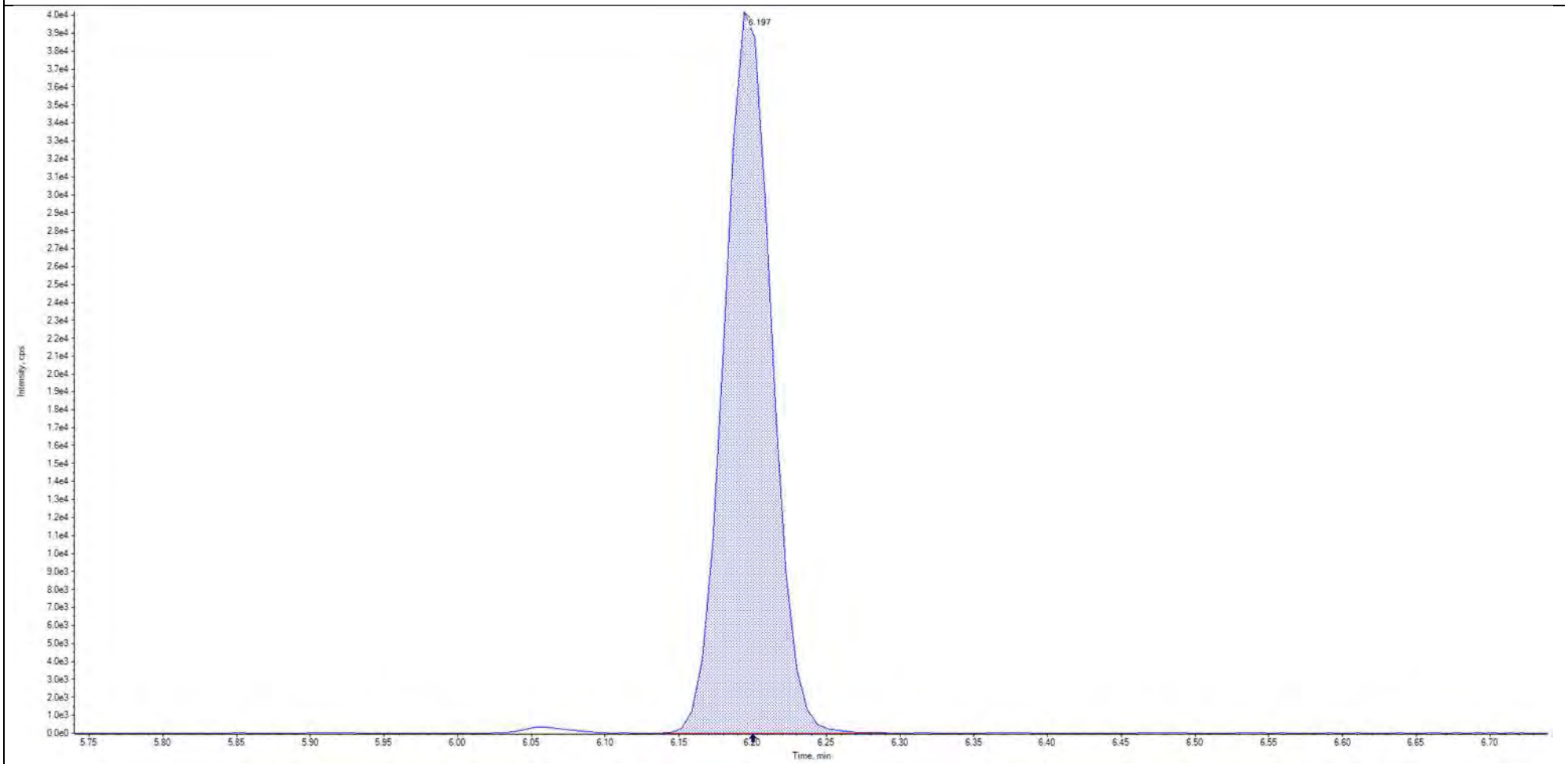

d3-NMeFOSAA
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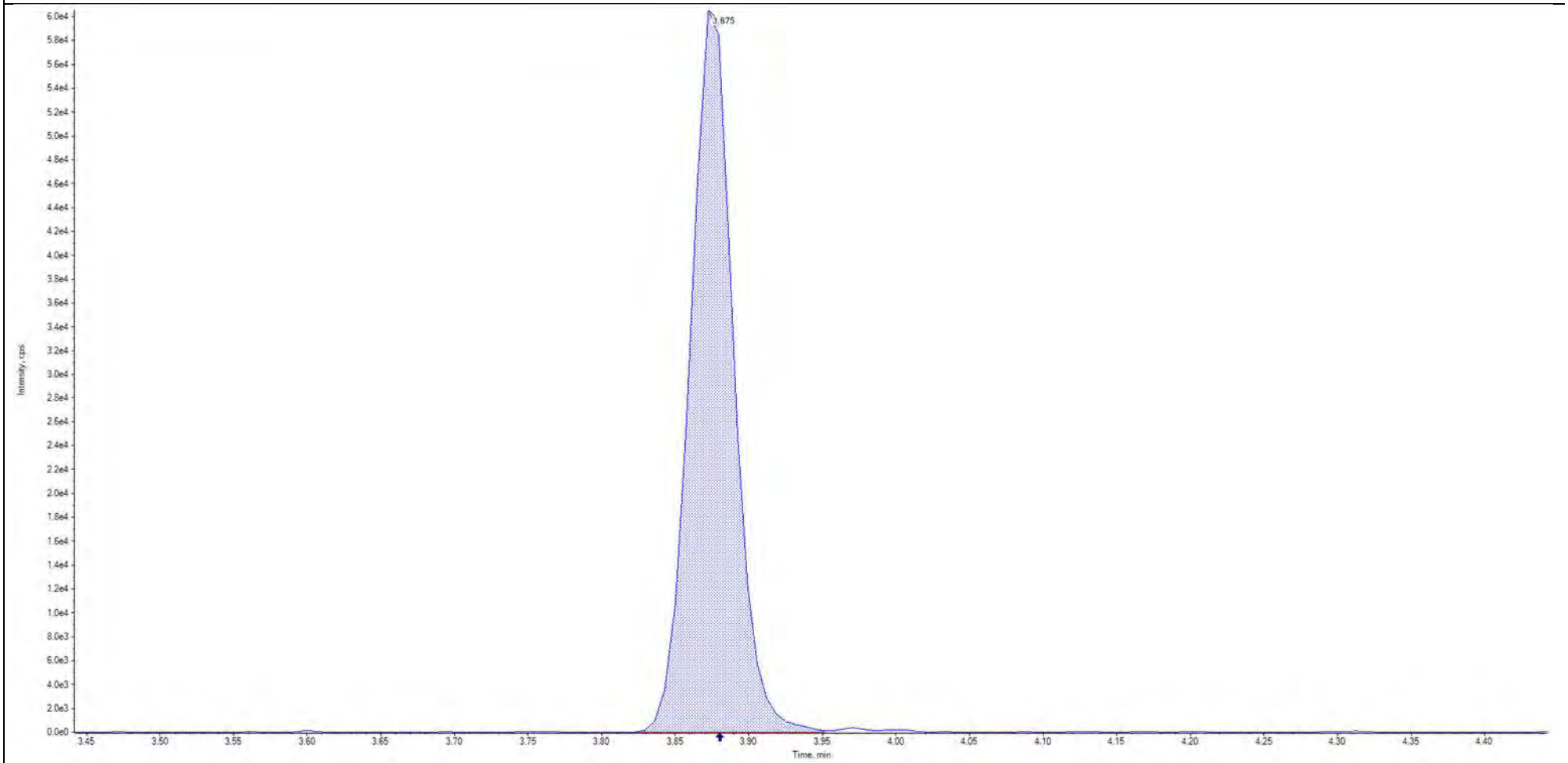

d5-NEtFOSAA
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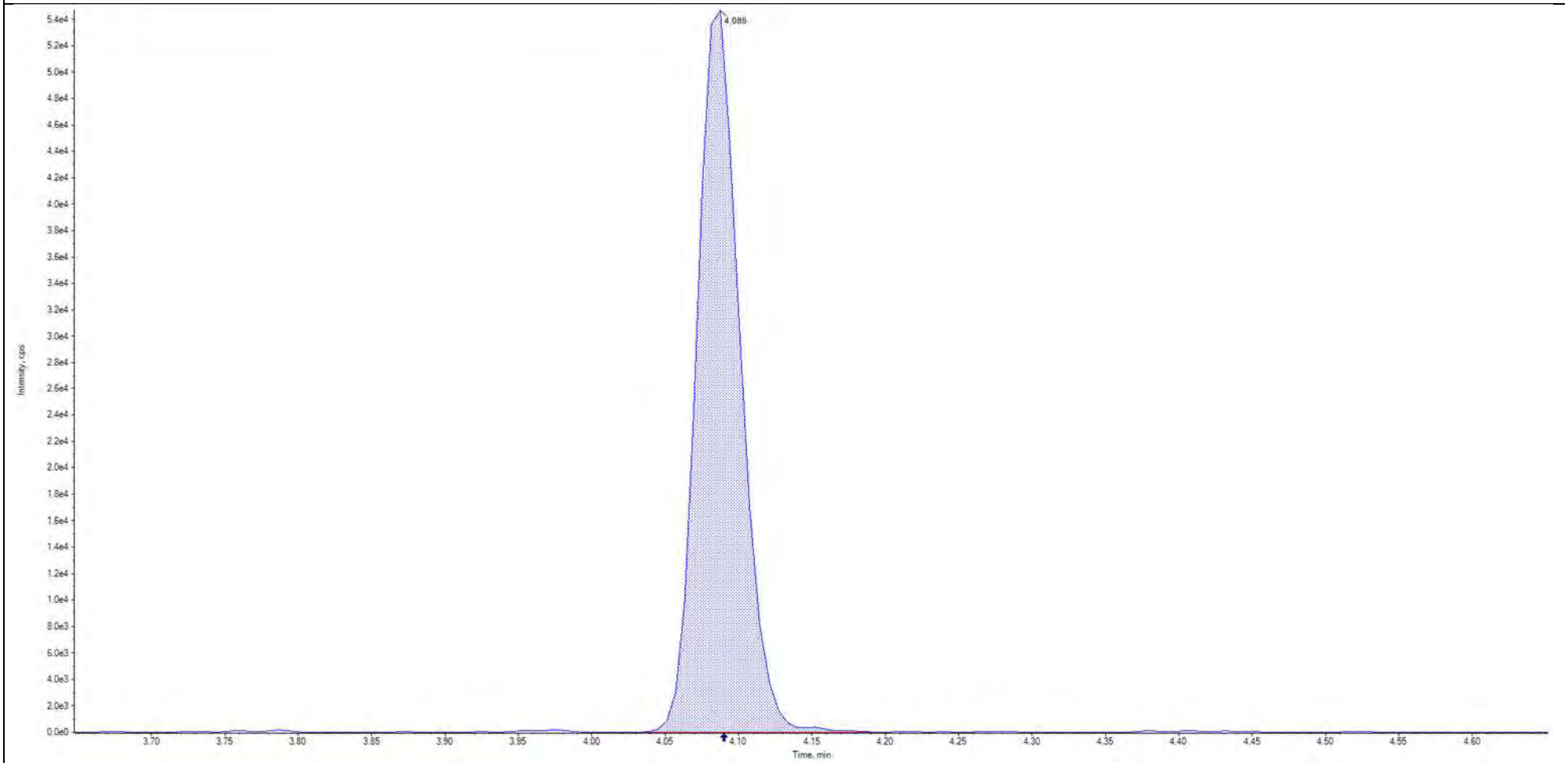

d7-NMeFOSE
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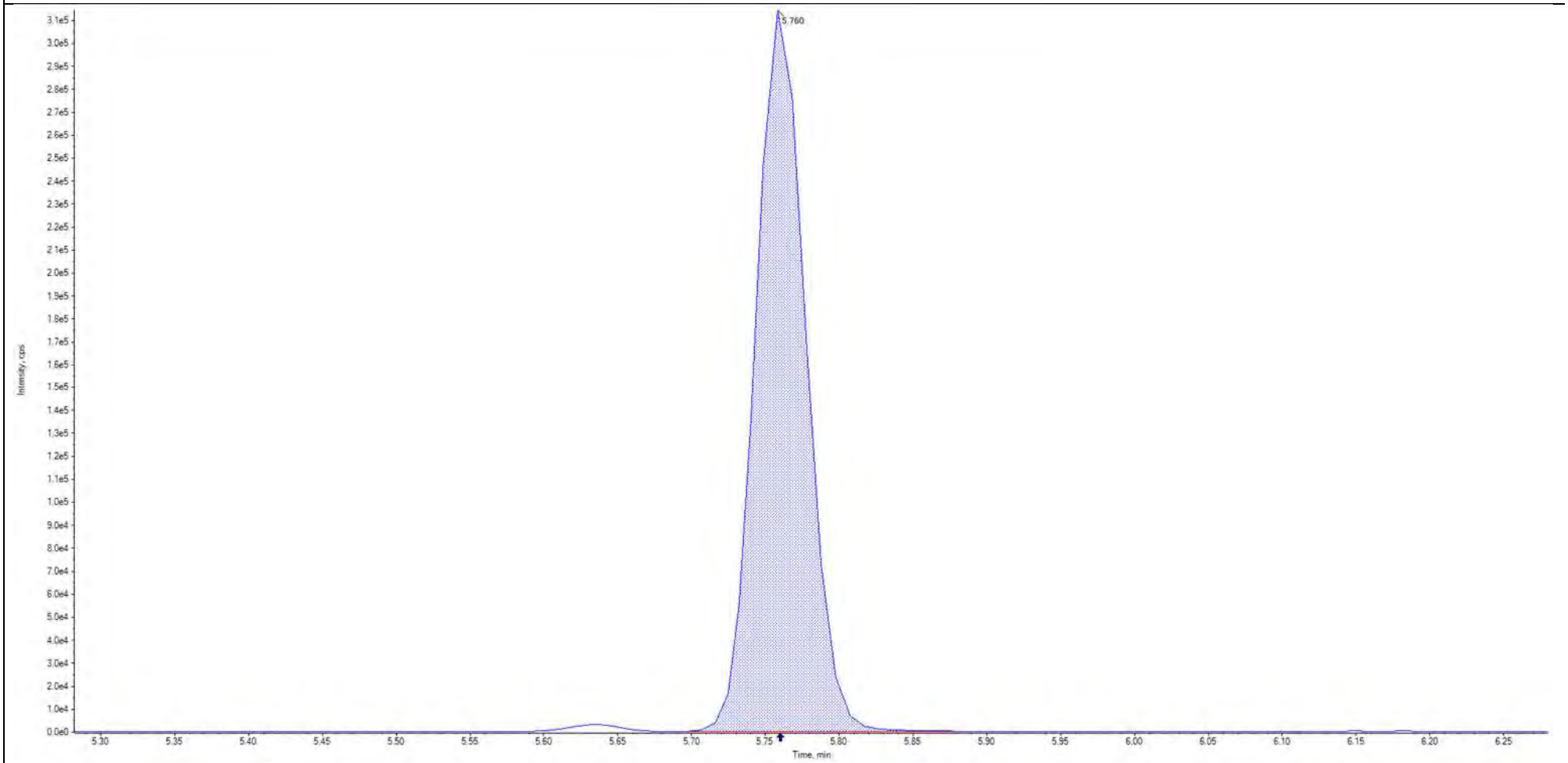

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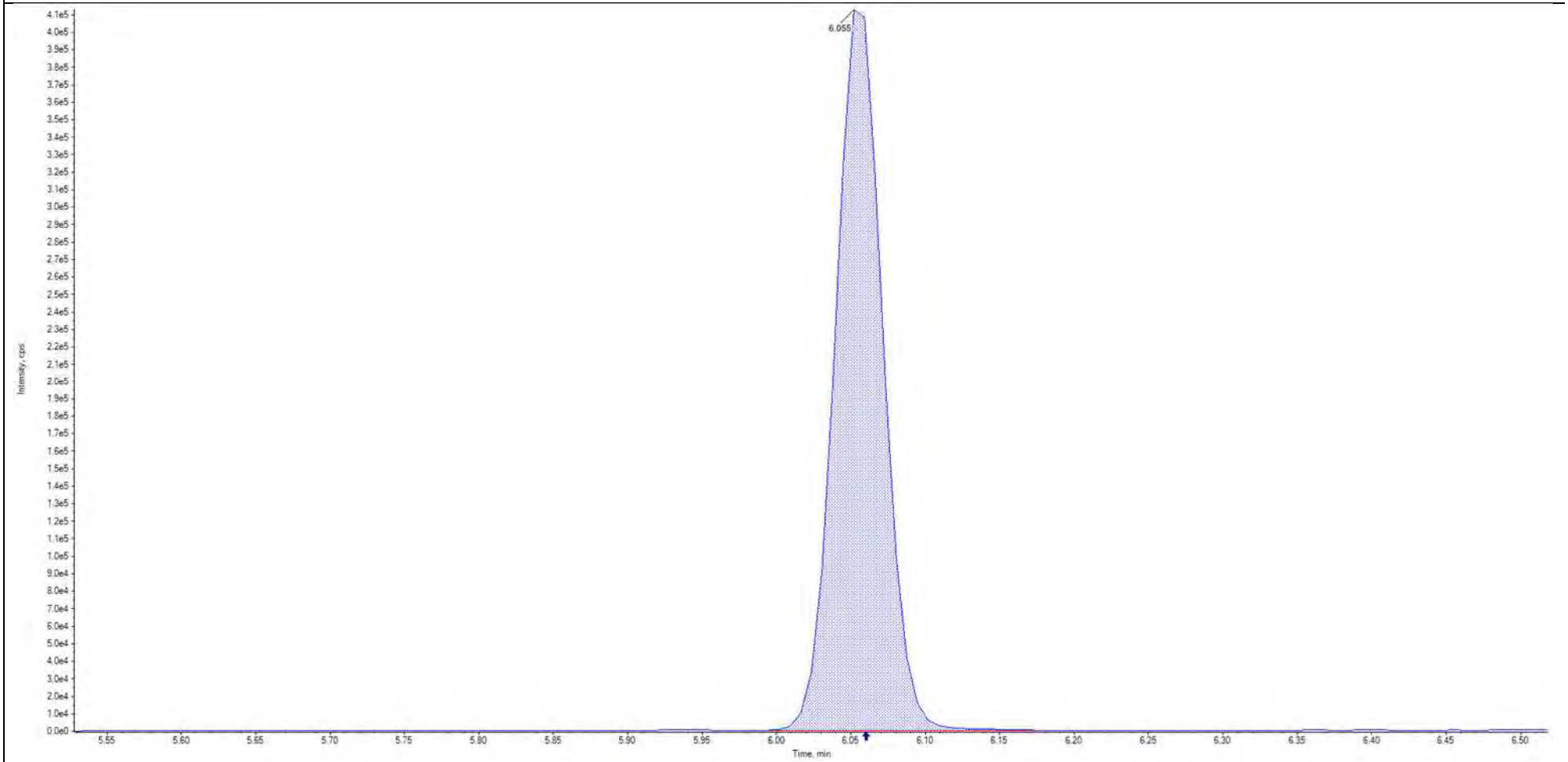

13C3-HFPO-DA
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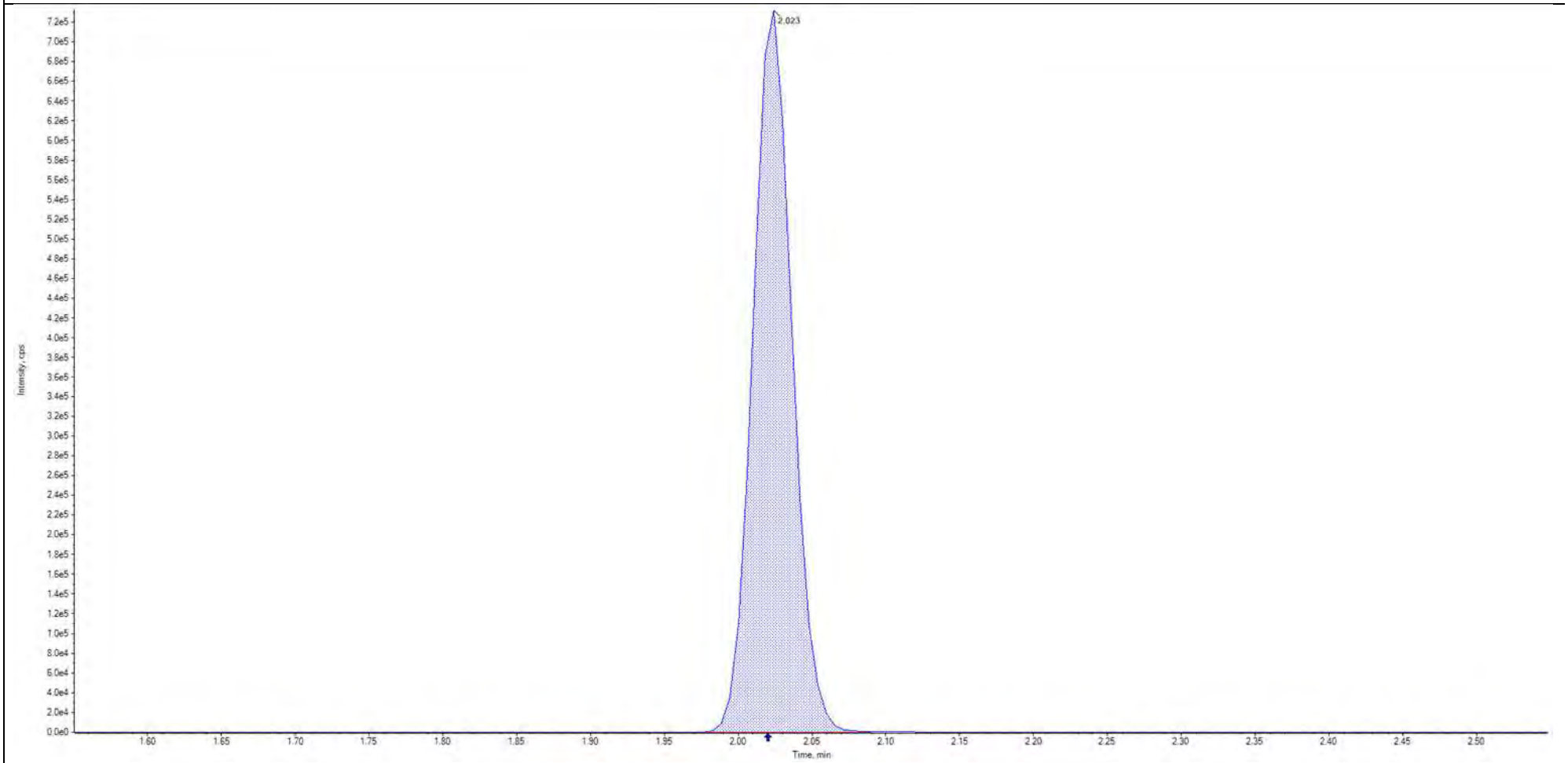

13C3-PFBA
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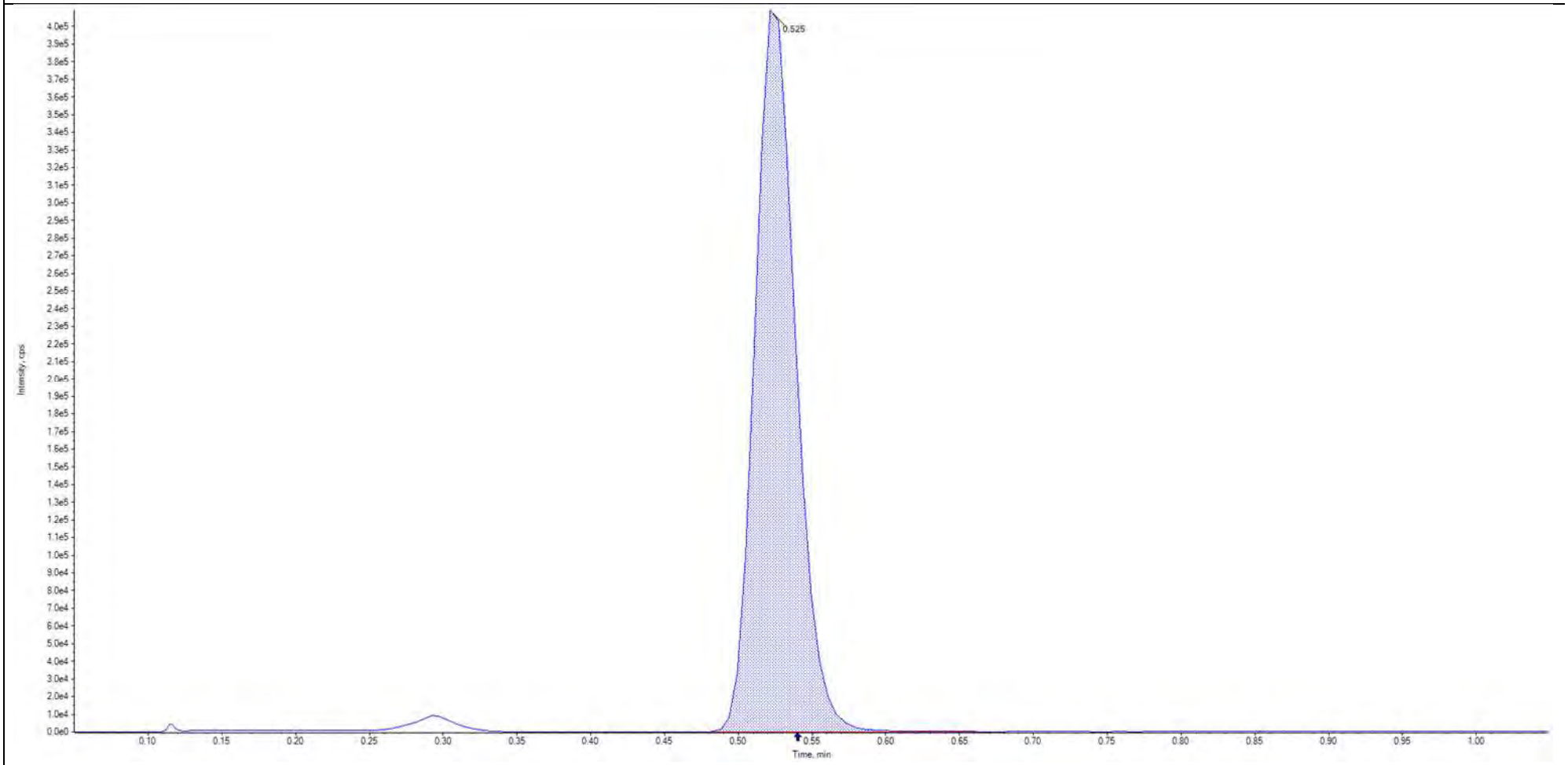

13C2-PFHxA
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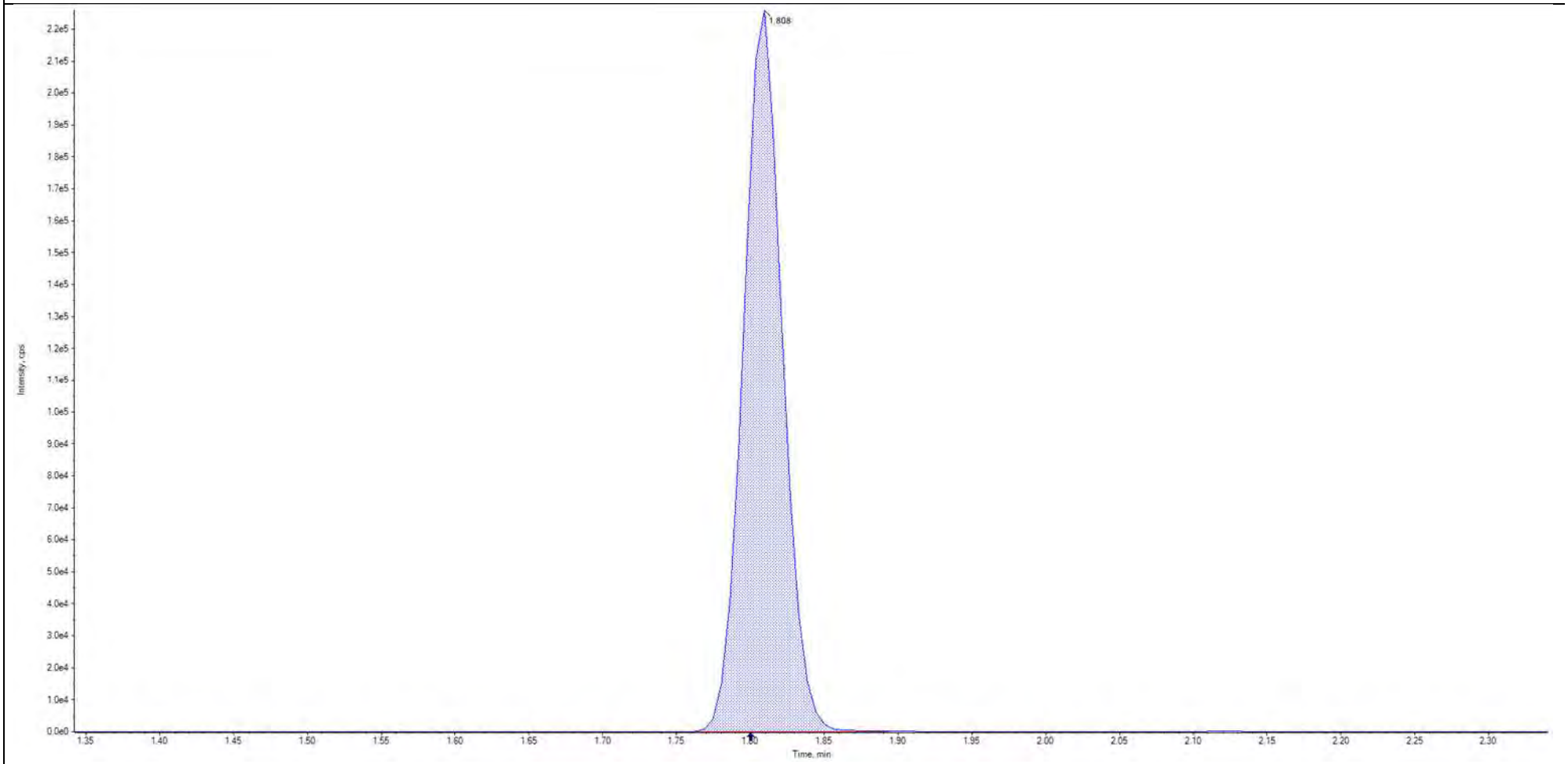

13C4-PFOA
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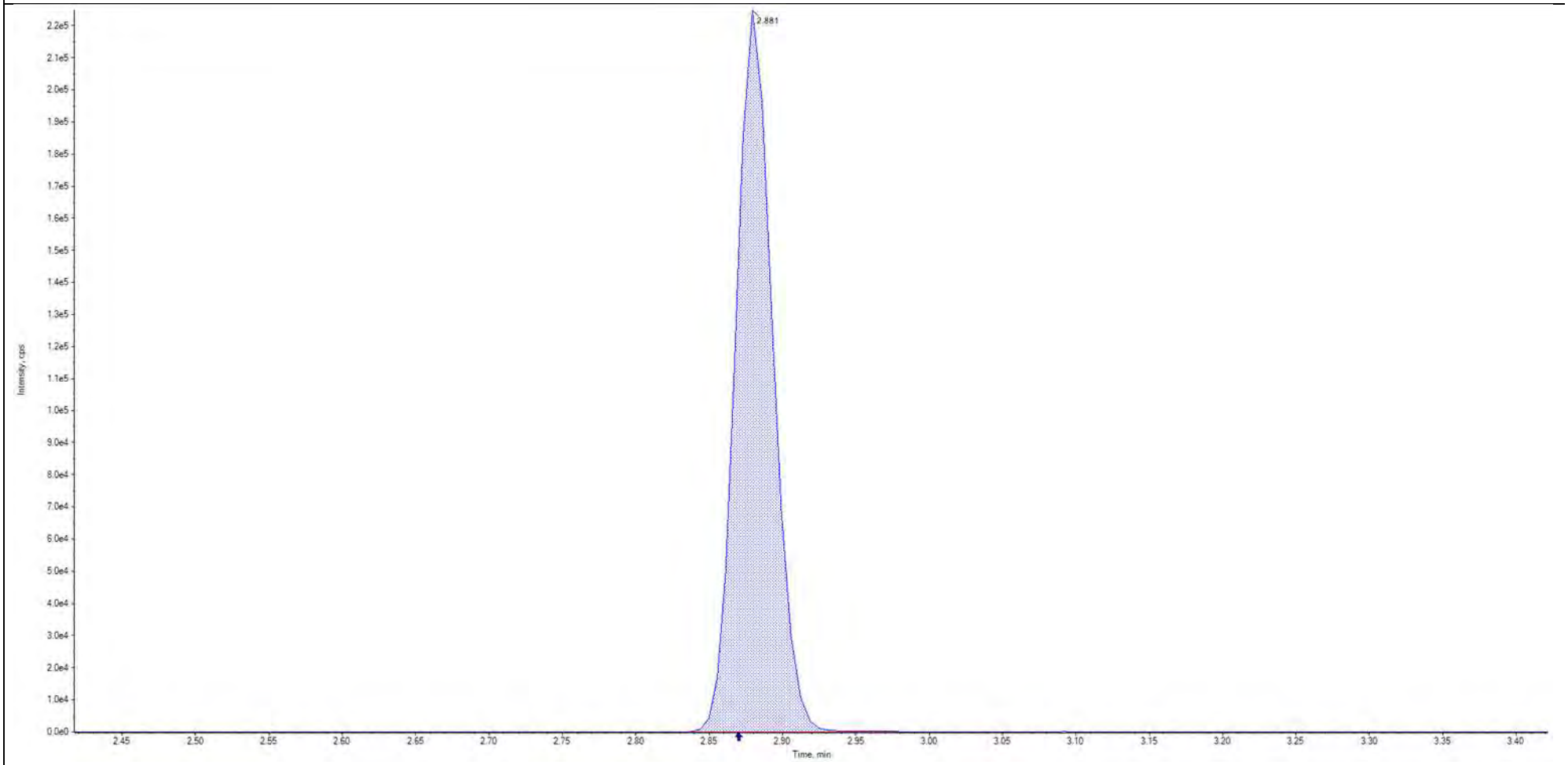
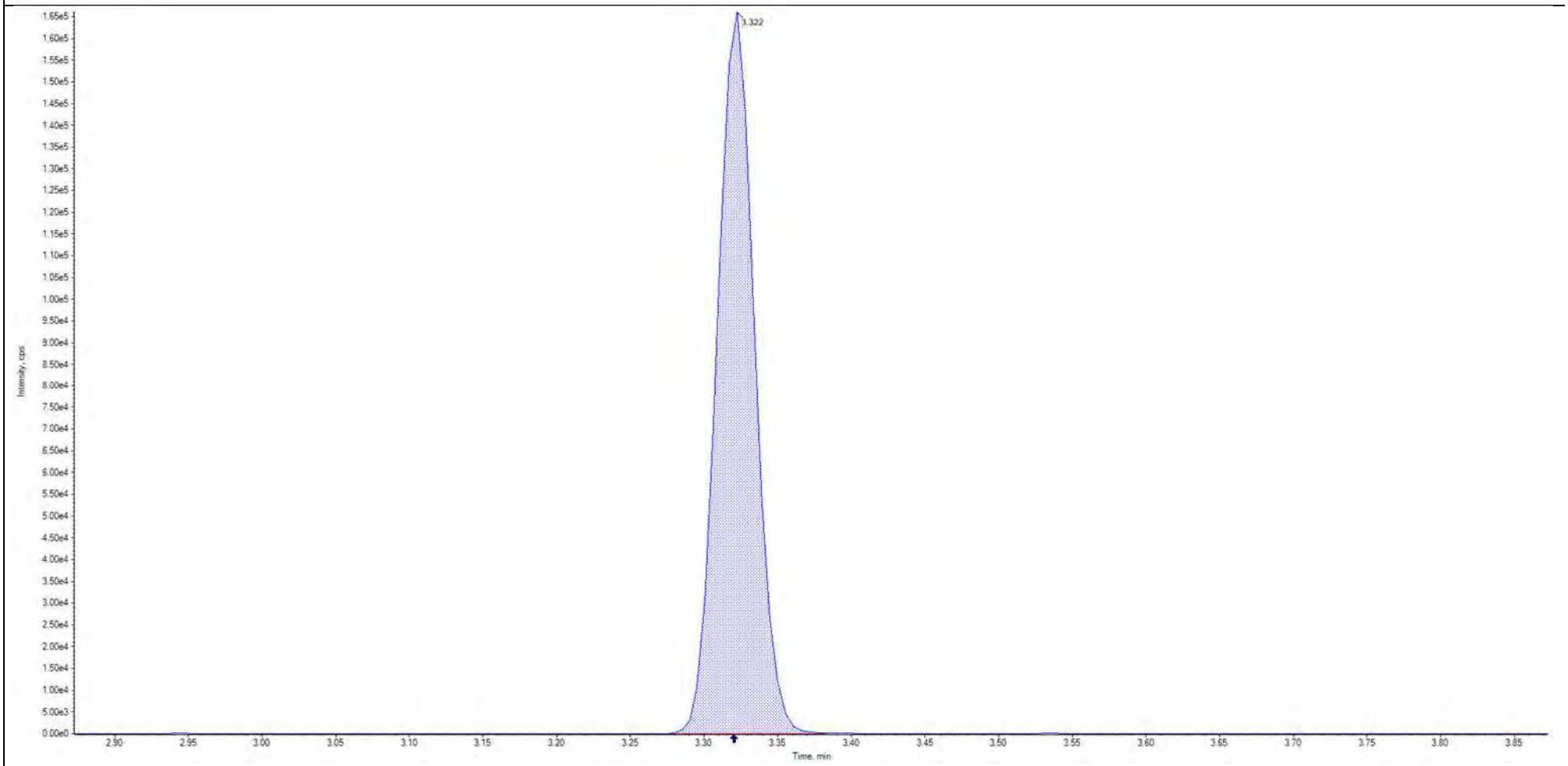


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_16.wiff2_2
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

13C5-PFNA
Sample: WG2012688-2,1633FMED



13C2-PFDA
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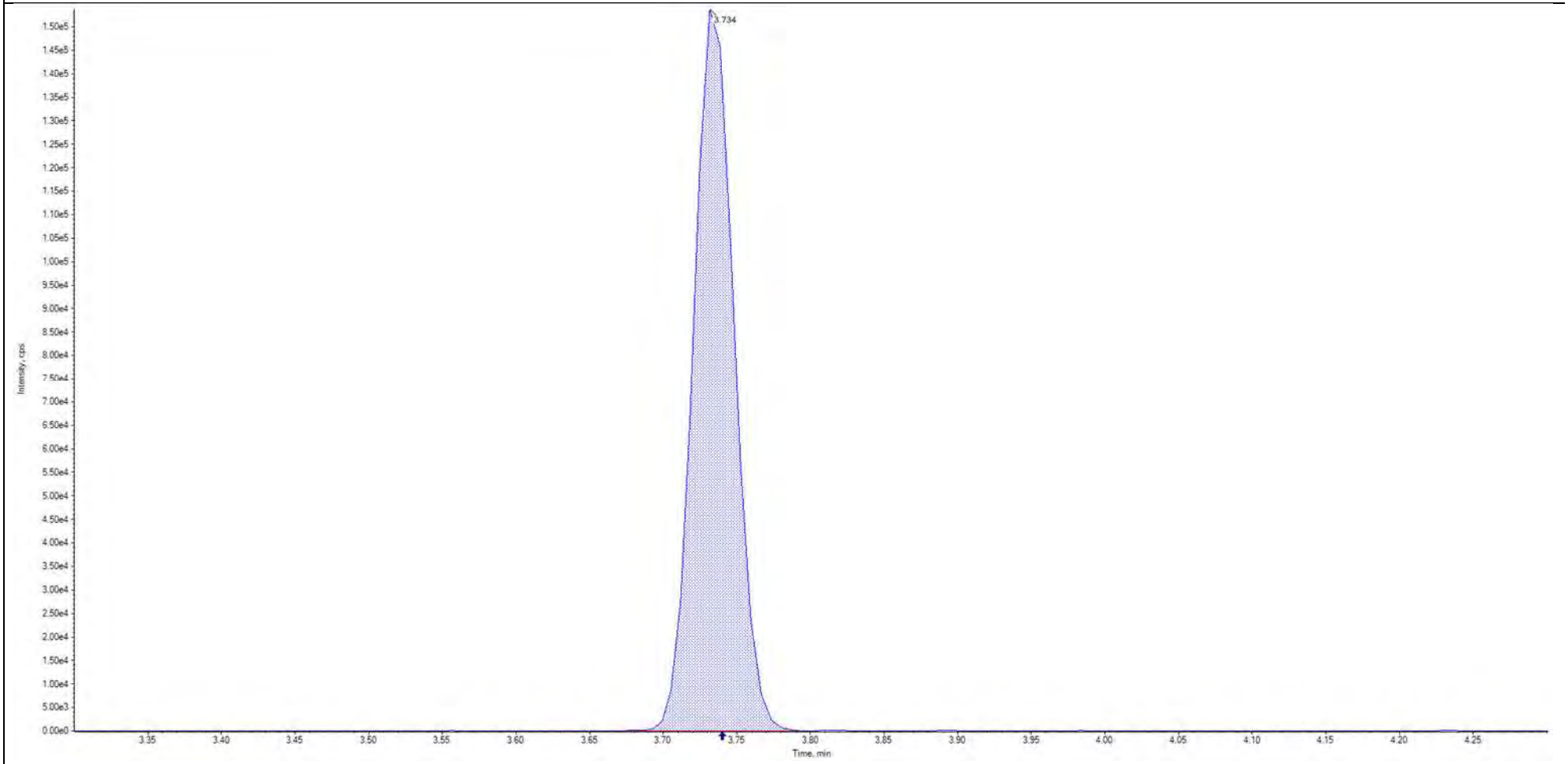
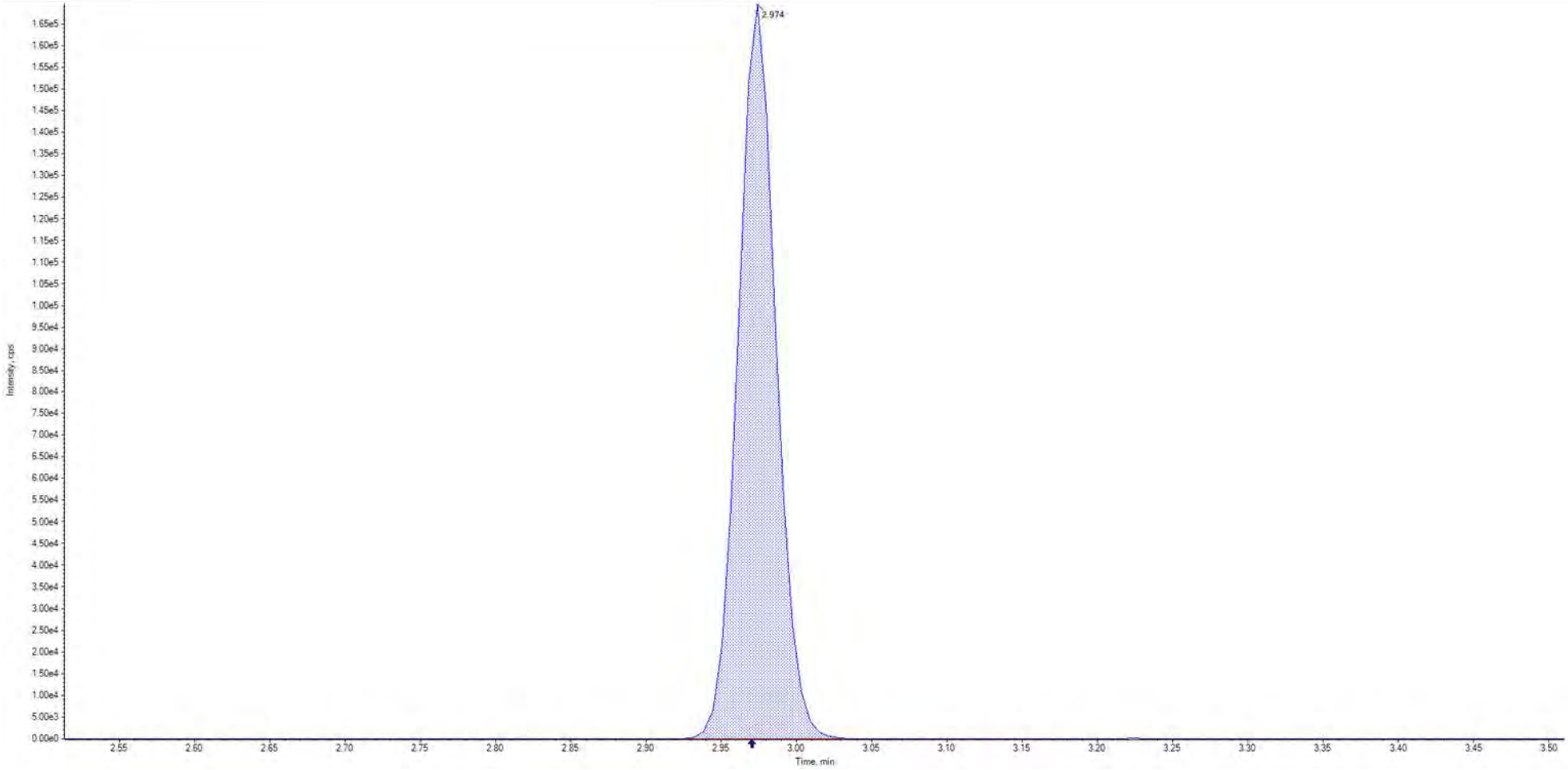
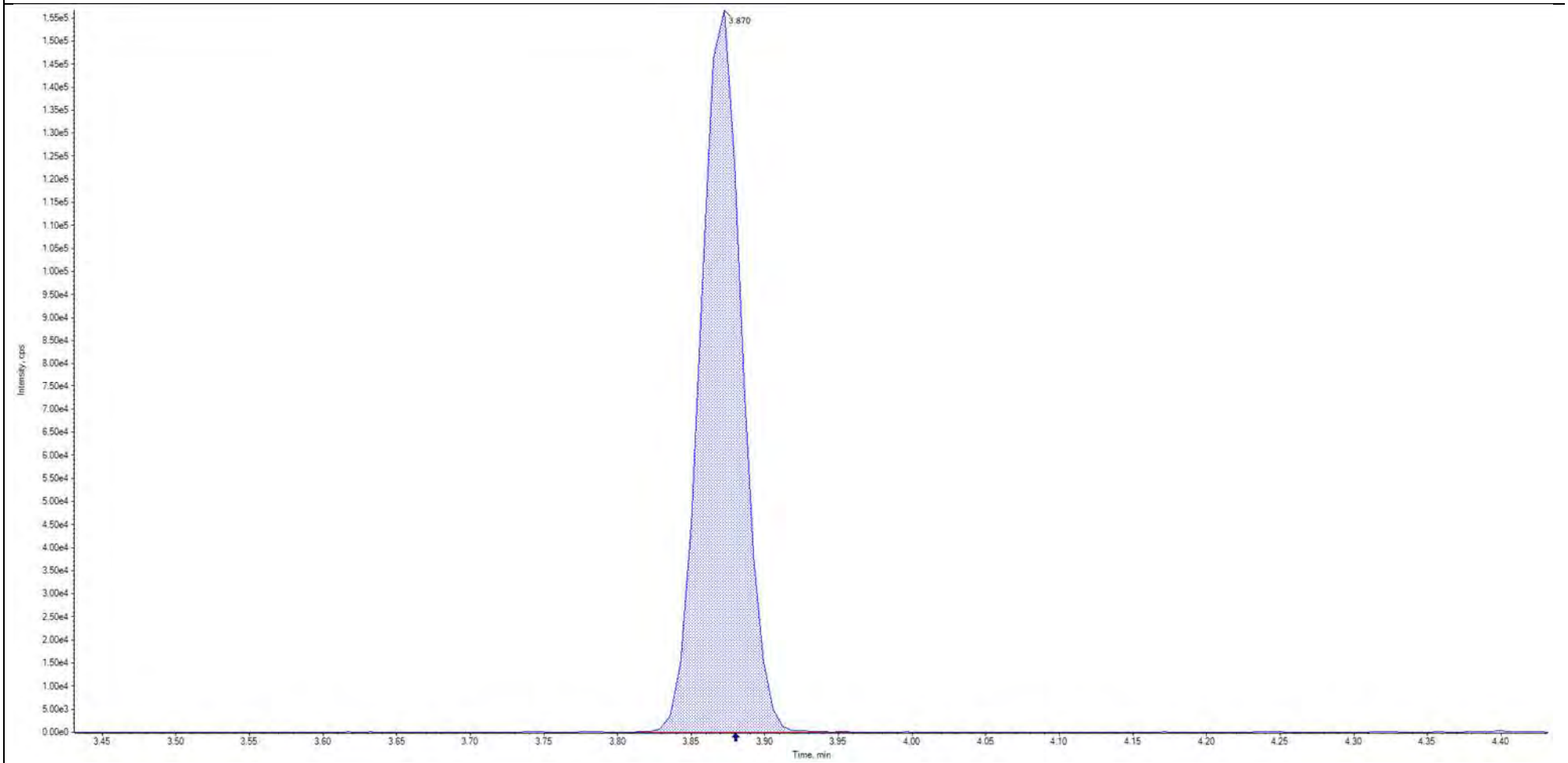


18O2-PFHxS
Sample: WG2012688-2,1633FMED



13C4-PFOS
Sample: WG2012688-2,1633FMED



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Method: EPA1633F.qmethod
Calibration: 241112_1633_ICAL

ID: WG2012688-5,1633FMED
Name: SCI09_241223_34.wiff2
Date & Time: 2024-12-24T00:35:10
Description: WG2012688,WG2000000,ICAL21696,1633FMED
Instrument: SCIEX Triple Quad 5500+
User: LCMS09:JW

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.55	213.0 / 169.0	3018968		18.824	N/A	N/A	N/A	94.1
2	PFPeA	2706-90-3	1.07	263.0 / 219.0	1348301		9.873	0.007	N/A	N/A	98.7
3	PFPeA_2	2706-90-3	1.07	263.0 / 68.9	9835		8.263	0.007	N/A	N/A	82.6
4	PFHxA	307-24-4	1.83	313.0 / 269.0	802110		4.831	0.097	0.089	Pass	96.6
5	PFHxA_2	307-24-4	1.83	313.0 / 119.0	77925		5.167	0.097	0.089	Pass	103.3
6	PFHpA	375-85-9	2.40	363.1 / 319.0	877015		4.710	0.413	0.384	Pass	94.2
7	PFHpA_2	375-85-9	2.40	363.1 / 169.0	362013		4.998	0.413	0.384	Pass	100.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	2.88	413.1 / 369.1	905809	M5	4.625	0.408	0.410	Pass	92.5
9	PFOA_2	335-67-1	2.88	413.1 / 169.0	369846	M5	4.617	0.408	0.410	Pass	92.3
10	PFNA	375-95-1	3.32	462.8 / 418.9	880036	M5	5.142	0.346	0.341	Pass	102.8
11	PFNA_2	375-95-1	3.32	462.8 / 219.0	304766	M5	5.165	0.346	0.341	Pass	103.3
12	PFDA	335-76-2	3.73	513.1 / 469.1	920748		5.140	0.178	0.215	Pass	102.8
13	PFDA_2	335-76-2	3.73	513.1 / 219.0	163934		4.862	0.178	0.215	Pass	97.2
14	PFUnA	2058-94-8	4.13	563.1 / 519.1	861918		4.416	0.150	0.151	Pass	88.3
15	PFUnA_2	2058-94-8	4.13	563.1 / 269.0	129071		4.443	0.150	0.151	Pass	88.9
16	PFDoA	307-55-1	4.51	613.1 / 569.1	1005255		4.762	0.144	0.140	Pass	95.2
17	PFDoA_2	307-55-1	4.51	613.1 / 319.0	145046		4.890	0.144	0.140	Pass	97.8
18	PFTrDA	72629-94-8	4.88	663.1 / 619.1	908786		4.729	0.156	0.159	Pass	94.6
19	PFTrDA_2	72629-94-8	4.88	663.1 / 169.0	141917		4.772	0.156	0.159	Pass	95.5
20	PFTeDA	376-06-7	5.24	713.1 / 669.1	777788		5.111	0.160	0.159	Pass	102.2
21	PFTeDA_2	376-06-7	5.24	713.1 / 169.0	124132		5.104	0.160	0.159	Pass	102.1
22	PFBS	375-73-5	1.82	299.1 / 80.1	683138		3.884	0.381	0.398	Pass	87.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	1.82	299.1 / 99.1	260160		4.246	0.381	0.398	Pass	90.3
24	PFPeS	2706-91-4	2.45	349.1 / 80.1	697445		4.553	0.317	0.285	Pass	96.9
25	PFPeS_2	2706-91-4	2.45	349.1 / 99.1	220854		4.605	0.317	0.285	Pass	98.0
26	PFHxS	355-46-4	2.98	399.1 / 80.1	554770	M5	3.771	0.318	0.293	Pass	82.7
27	PFHxS_2	355-46-4	2.98	399.1 / 99.1	176356	M5	4.170	0.318	0.293	Pass	91.4
28	PFHpS	375-92-8	3.44	449.1 / 80.1	599262		4.651	0.305	0.308	Pass	97.7
29	PFHpS_2	375-92-8	3.44	449.1 / 99.1	182776		4.858	0.305	0.308	Pass	102.1
30	PFOS	1763-23-1	3.87	499.1 / 80.1	603415	M5	4.037	0.245	0.241	Pass	87.0
31	PFOS_2	1763-23-1	3.87	499.1 / 99.1	148076		4.089	0.245	0.241	Pass	88.1
32	PFNS	68259-12-1	4.28	549.1 / 80.1	477942		4.443	0.288	0.299	Pass	92.6
33	PFNS_2	68259-12-1	4.28	549.1 / 99.1	137844		4.396	0.288	0.299	Pass	91.6
34	PFDS	335-77-3	4.66	599.1 / 80.1	449431		3.930	0.290	0.274	Pass	81.5
35	PFDS_2	335-77-3	4.66	599.1 / 99.1	130263		3.987	0.290	0.274	Pass	82.7
36	PFDoS	79780-39-5	5.39	699.2 / 80.1	407804		4.097	0.256	0.247	Pass	84.7
37	PFDoS_2	79780-39-5	5.39	699.2 / 99.1	104216		4.083	0.256	0.247	Pass	84.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	1.62	327.1 / 307.1	565827		17.458	0.676	0.634	Pass	93.4
39	4:2FTS_2	757124-72-4	1.62	327.1 / 81.1	382778		18.686	0.676	0.634	Pass	99.9
40	6:2FTS	27619-97-2	2.71	427.2 / 407.2	501772		16.953	0.634	0.609	Pass	89.2
41	6:2FTS_2	27619-97-2	2.71	427.2 / 81.1	318314		17.312	0.634	0.609	Pass	91.1
42	8:2FTS	39108-34-4	3.56	527.2 / 507.2	401927		19.257	0.669	0.681	Pass	100.3
43	8:2FTS_2	39108-34-4	3.56	527.2 / 81.1	268896		19.880	0.669	0.681	Pass	103.5
44	PFOSA	754-91-6	5.17	498.1 / 78.1	851188	M5	4.519	0.025	0.024	Pass	90.4
45	PFOSA_2	754-91-6	5.17	498.1 / 478.0	21633		4.654	0.025	0.024	Pass	93.1
46	NMeFOSA	31506-32-8	5.91	512.2 / 219.0	208393	M5	4.796	1.418	1.421	Pass	95.9
47	NMeFOSA_2	31506-32-8	5.86	512.2 / 169.0	295410		4.725	1.418	1.421	Pass	94.5
48	NEtFOSA	4151-50-2	6.20	526.2 / 219.0	197979		4.763	1.260	1.258	Pass	95.3
49	NEtFOSA_2	4151-50-2	6.16	526.2 / 169.0	249514		4.644	1.260	1.258	Pass	92.9
50	NMeFOSAA	2355-31-9	3.87	570.2 / 419.1	89732	M5	4.825	0.703	0.683	Pass	96.5
51	NMeFOSAA_2	2355-31-9	3.87	570.2 / 483.0	63060		4.842	0.703	0.683	Pass	96.8
52	NEtFOSAA	2991-50-6	4.09	584.2 / 419.1	92933	M5	5.071	0.511	0.571	Pass	101.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.09	584.2 / 526.2	47522	M5	4.463	0.511	0.571	Pass	89.3
54	NMeFOSE	24448-09-7	5.77	616.1 / 58.9	2818513	M5	46.782	N/A	N/A	N/A	93.6
55	NEtFOSE	1691-99-2	6.07	630.0 / 58.9	4103507	M5	49.522	N/A	N/A	N/A	99.0
56	HFPO-DA	13252-13-6	2.04	285.0 / 169.0	2895602		20.868	0.529	0.510	Pass	104.3
57	HFPO-DA_2	13252-13-6	2.04	285.0 / 184.9	1532676		20.597	0.529	0.510	Pass	103.0
58	ADONA	919005-14-4	2.58	376.9 / 251.0	4664550		19.316	0.659	0.636	Pass	102.2
59	ADONA_2	919005-14-4	2.58	376.9 / 84.8	3075539		16.748	0.659	0.636	Pass	88.6
60	9Cl-PF3ONS	756426-58-1	4.15	530.8 / 351.1	5264218		19.558	0.318	0.326	Pass	104.6
61	9Cl-PF3ONS_2	756426-58-1	4.15	532.8 / 353.0	1675733		18.625	0.318	0.326	Pass	99.6
62	11Cl-PF3OUdS	763051-92-9	4.92	630.9 / 451.0	4427448		18.572	0.333	0.318	Pass	98.3
63	11Cl-PF3OUdS_2	763051-92-9	4.92	632.9 / 452.9	1472861		19.293	0.333	0.318	Pass	102.1
64	3:3FTCA	356-02-5	1.45	241.1 / 177.1	256893		23.343	1.126	1.068	Pass	93.4
65	3:3FTCA_2	356-02-5	1.45	241.1 / 117.0	289297		24.526	1.126	1.068	Pass	98.1
66	5:3FTCA	914637-49-3	2.95	341.1 / 237.1	5364281		123.196	1.008	1.045	Pass	98.6
67	5:3FTCA_2	914637-49-3	2.95	341.1 / 217.0	5407636		121.462	1.008	1.045	Pass	97.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	3.98	441.1 / 316.9	4251240		124.460	1.428	1.285	Pass	99.6
69	7:3FTCA_2	812-70-4	3.98	441.1 / 337.1	6069134		136.995	1.428	1.285	Pass	109.6
70	PFEESA	113507-82-7	2.12	315.1 / 135.0	4417259		9.246	0.073	0.081	Pass	103.7
71	PFEESA_2	113507-82-7	2.12	315.1 / 82.9	321746		8.298	0.073	0.081	Pass	93.0
72	PFMPA	377-73-1	0.69	229.0 / 85.0	1445384		8.683	N/A	N/A	N/A	86.8
73	PFMBA	863090-89-5	1.34	279.0 / 85.0	1598922		9.207	N/A	N/A	N/A	92.1
74	NFDHA	151772-58-6	1.75	295.0 / 201.0	1128887		11.248	0.748	0.681	Pass	112.5
75	NFDHA_2	151772-58-6	1.75	295.0 / 84.9	843920		11.676	0.748	0.681	Pass	116.8
76	TDCA	516-50-7	2.58	499.1 / 124.1	3066487		12.436	5.276	5.357	Pass	124.4
77	TDCA_2	516-50-7	2.58	499.1 / 79.9	16177539		12.395	5.276	5.357	Pass	124.0
78	13C2D4-4:2FTS	Surr	1.61	333.2 / 312.1	113389		5.150	N/A	N/A	N/A	103.0
79	13C2-PFOA	Surr	2.88	415.0 / 370.0	321687		2.284	N/A	N/A	N/A	91.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.55	217.0 / 172.0	1881029		9.970	NA	NA	NA	99.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.07	268.0 / 223.0	779276		5.107	NA	NA	NA	102.1
	13C5-PFHxA	EIS	1.83	318.0 / 273.0	362056		2.249	NA	NA	NA	90.0
	13C4-PFHpA	EIS	2.40	367.0 / 322.0	305780		2.276	NA	NA	NA	91.0
	13C8-PFOA	EIS	2.88	420.8 / 376.0	605733		2.441	NA	NA	NA	97.6
	13C9-PFNA	EIS	3.32	472.0 / 427.0	241246		1.212	NA	NA	NA	97.0
	13C6-PFDA	EIS	3.73	519.0 / 474.0	264413		1.277	NA	NA	NA	102.2
	13C7-PFUnA	EIS	4.13	570.0 / 525.0	299918		1.305	NA	NA	NA	104.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.51	615.1 / 570.0	300479		1.224	NA	NA	NA	97.9
	13C2-PFTeDA	EIS	5.23	715.1 / 670.1	192665		1.057	NA	NA	NA	84.6
	13C3-PFBS	EIS	1.81	302.1 / 80.1	409236		2.674	NA	NA	NA	114.8
	13C3-PFHxS	EIS	2.97	402.1 / 80.1	339102		2.501	NA	NA	NA	105.5
	13C8-PFOS	EIS	3.87	507.1 / 80.1	339433		2.748	NA	NA	NA	114.5
	13C2-4:2FTS	EIS	1.62	329.1 / 81.1	96709		4.547	NA	NA	NA	97.0
	13C2-6:2FTS	EIS	2.70	429.2 / 81.1	90108		4.773	NA	NA	NA	100.3
	13C2-8:2FTS	EIS	3.55	529.2 / 81.1	80206		3.590	NA	NA	NA	74.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	5.17	506.1 / 78.1	599180		2.857	NA	NA	NA	114.3
	d3-NMeFOSA	EIS	5.90	515.2 / 219.0	100682		2.932	NA	NA	NA	117.3
	d5-NEtFOSA	EIS	6.19	531.2 / 219.0	93392		2.997	NA	NA	NA	119.9
	d3-NMeFOSAA	EIS	3.87	573.2 / 419.1	117213		5.497	NA	NA	NA	109.9
	d5-NEtFOSAA	EIS	4.08	589.3 / 419.1	97165		4.623	NA	NA	NA	92.5
	d7-NMeFOSE	EIS	5.75	623.2 / 58.9	698691		31.406	NA	NA	NA	125.6
	d9-NEtFOSE	EIS	6.05	639.2 / 58.9	960419		32.083	NA	NA	NA	128.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.03	287.0 / 169.0	1455239		9.256	NA	NA	NA	92.6
	13C3-PFBA	NIS	0.55	216.0 / 172.0	822422		6.485	NA	NA	NA	129.7
	13C2-PFHxA	NIS	1.82	315.0 / 270.0	446650		2.999	NA	NA	NA	120.0
	13C4-PFOA	NIS	2.88	417.0 / 372.0	395636		2.744	NA	NA	NA	109.8
	13C5-PFNA	NIS	3.32	468.0 / 423.0	247803		1.213	NA	NA	NA	97.1
	13C2-PFDA	NIS	3.73	515.1 / 470.1	245735		1.165	NA	NA	NA	93.2
	18O2-PFHxS	NIS	2.97	403.1 / 84.1	283163		2.427	NA	NA	NA	102.4
	13C4-PFOS	NIS	3.87	503.1 / 80.1	246047		1.961	NA	NA	NA	81.7

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Alpha Analytical LLC
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	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec

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PFBA
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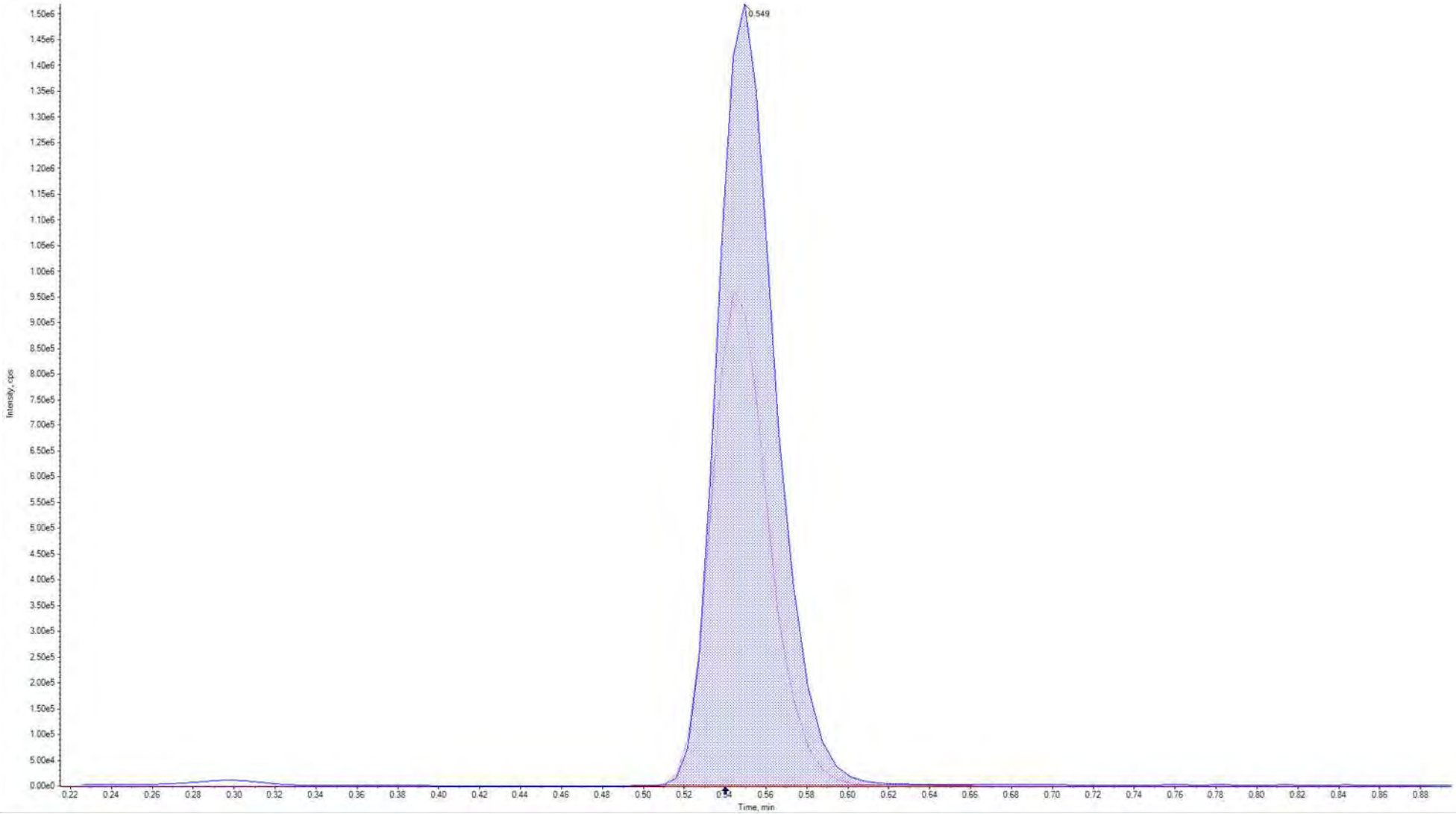

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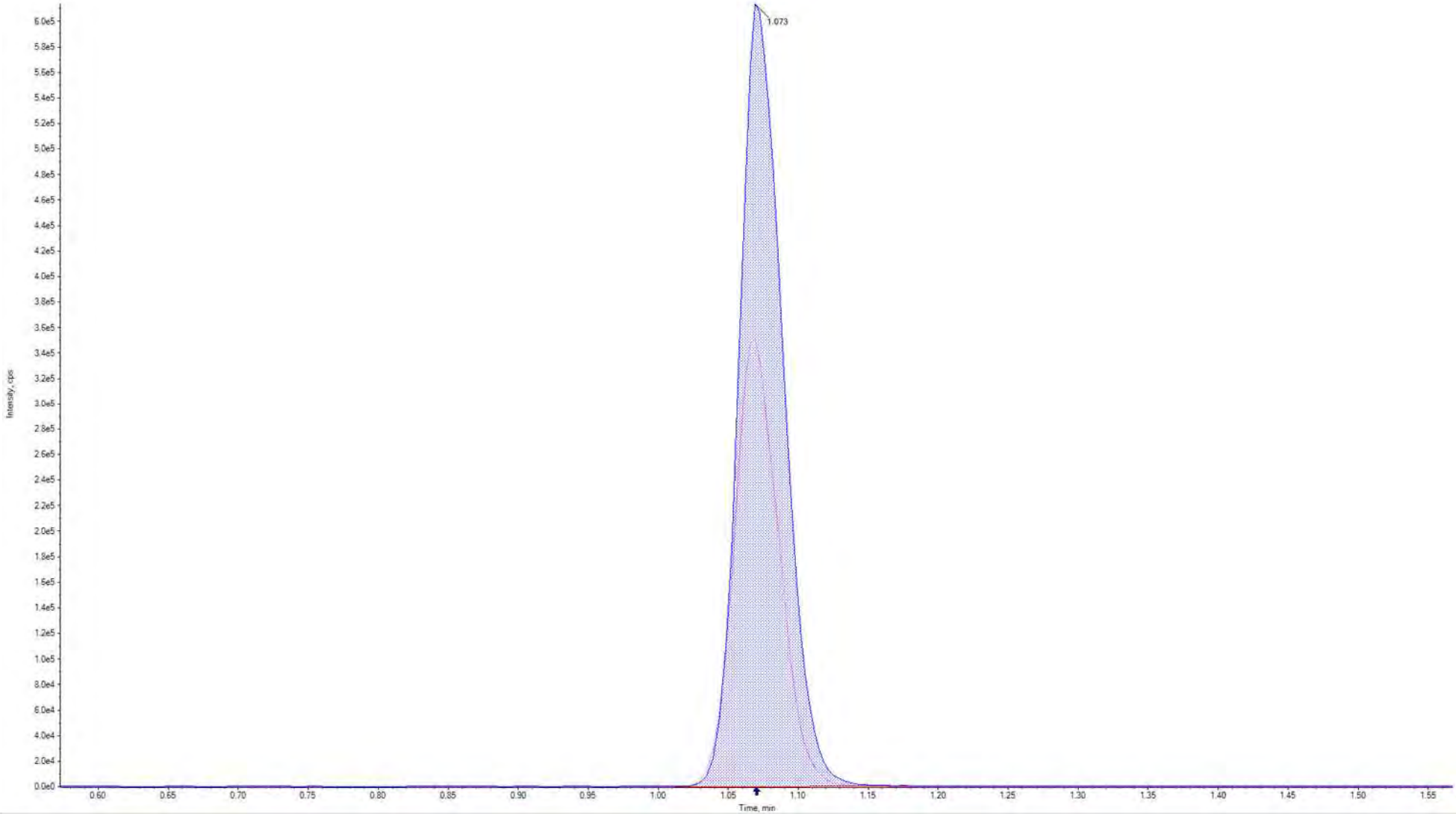
PFPeA
Sample: WG2012688-5,1633FMED S/N:4346.2 Points Across peak:45



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PFPeA_2
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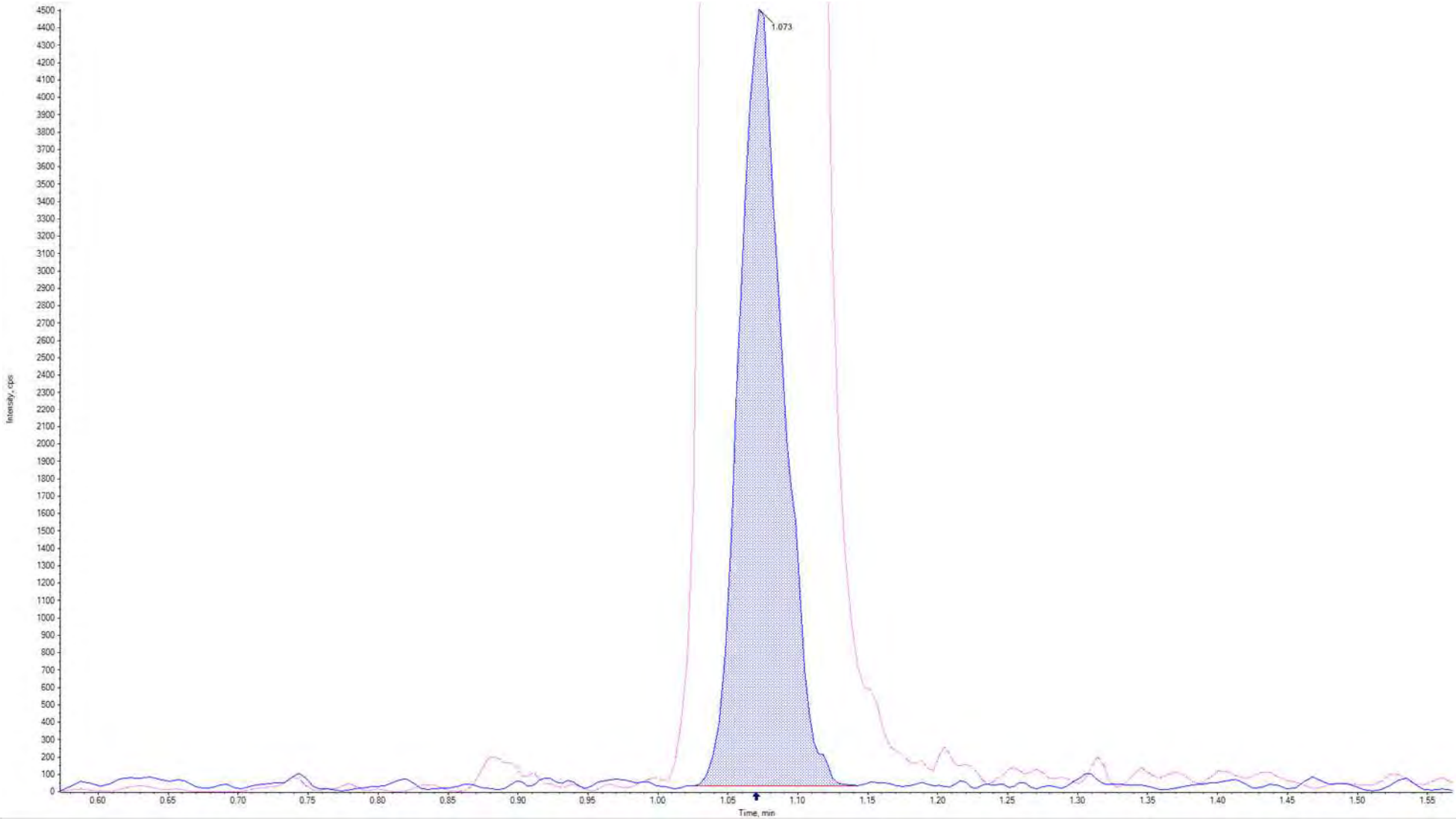

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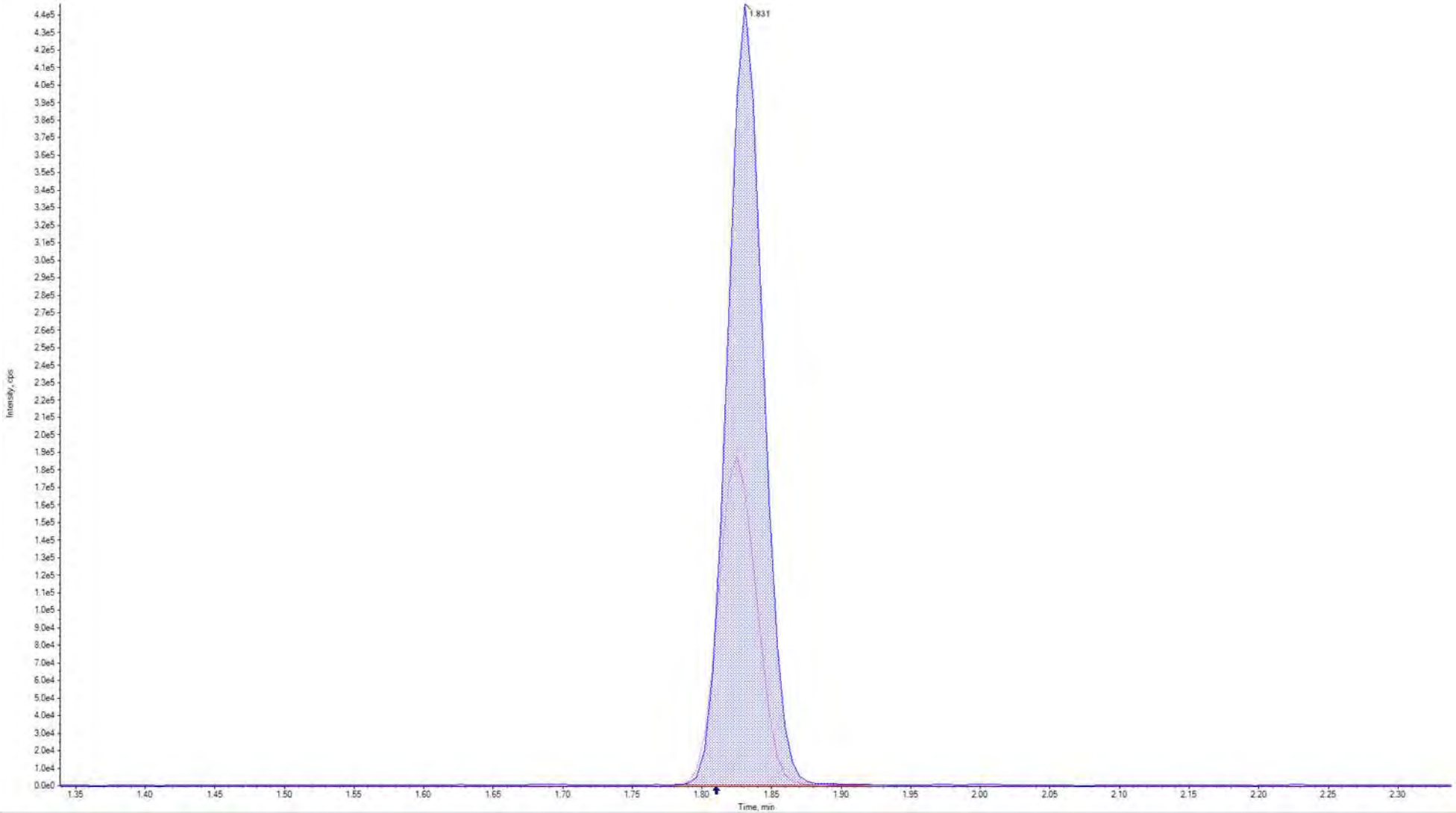
PFHxA
Sample: WG2012688-5,1633FMED S/N:2469.3 Points Across peak:28



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PFHxA_2
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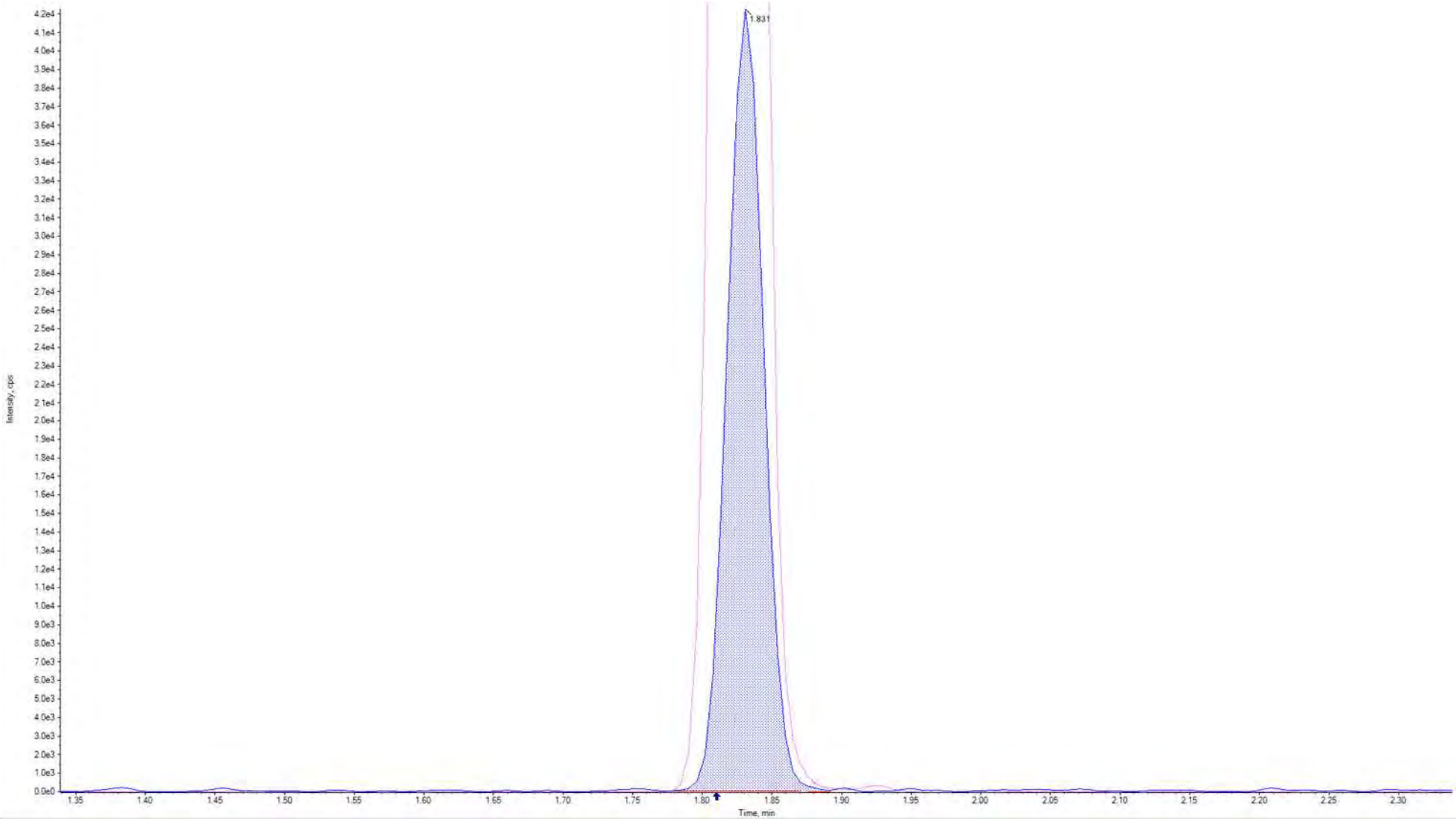

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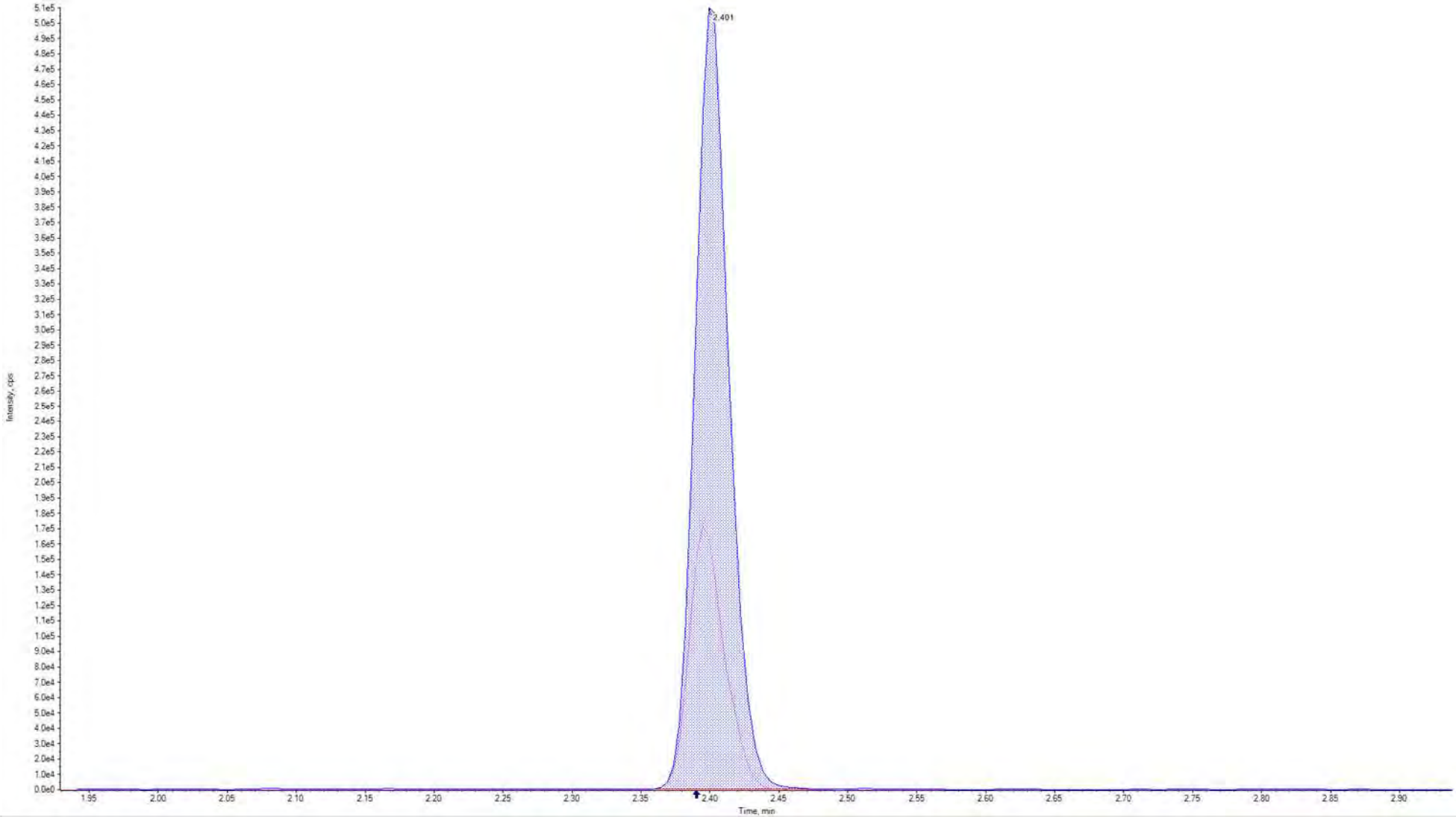
PFHpA
Sample: WG2012688-5,1633FMED S/N:10224.6 Points Across peak:28



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PFHpA_2
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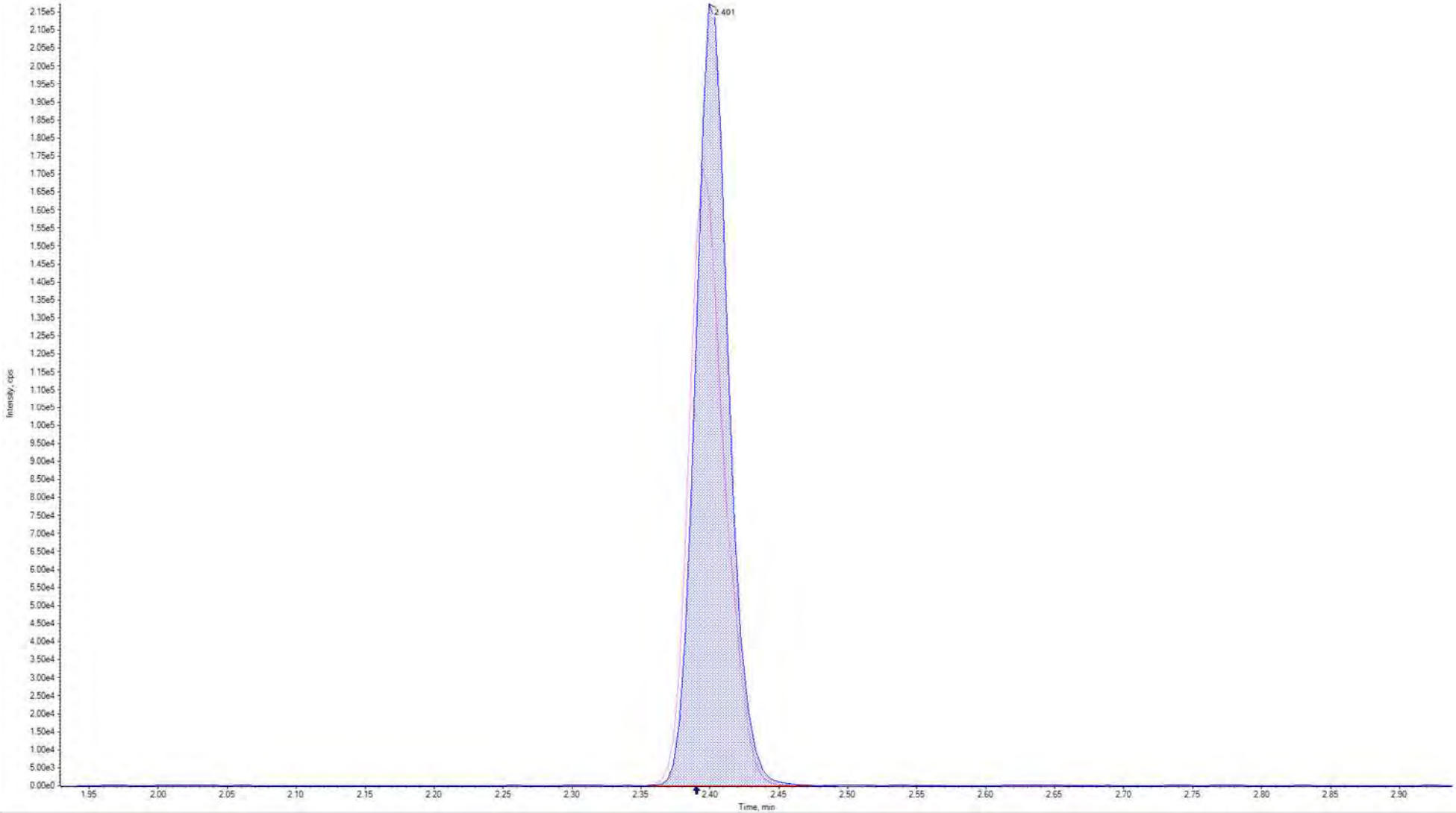

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PFOA
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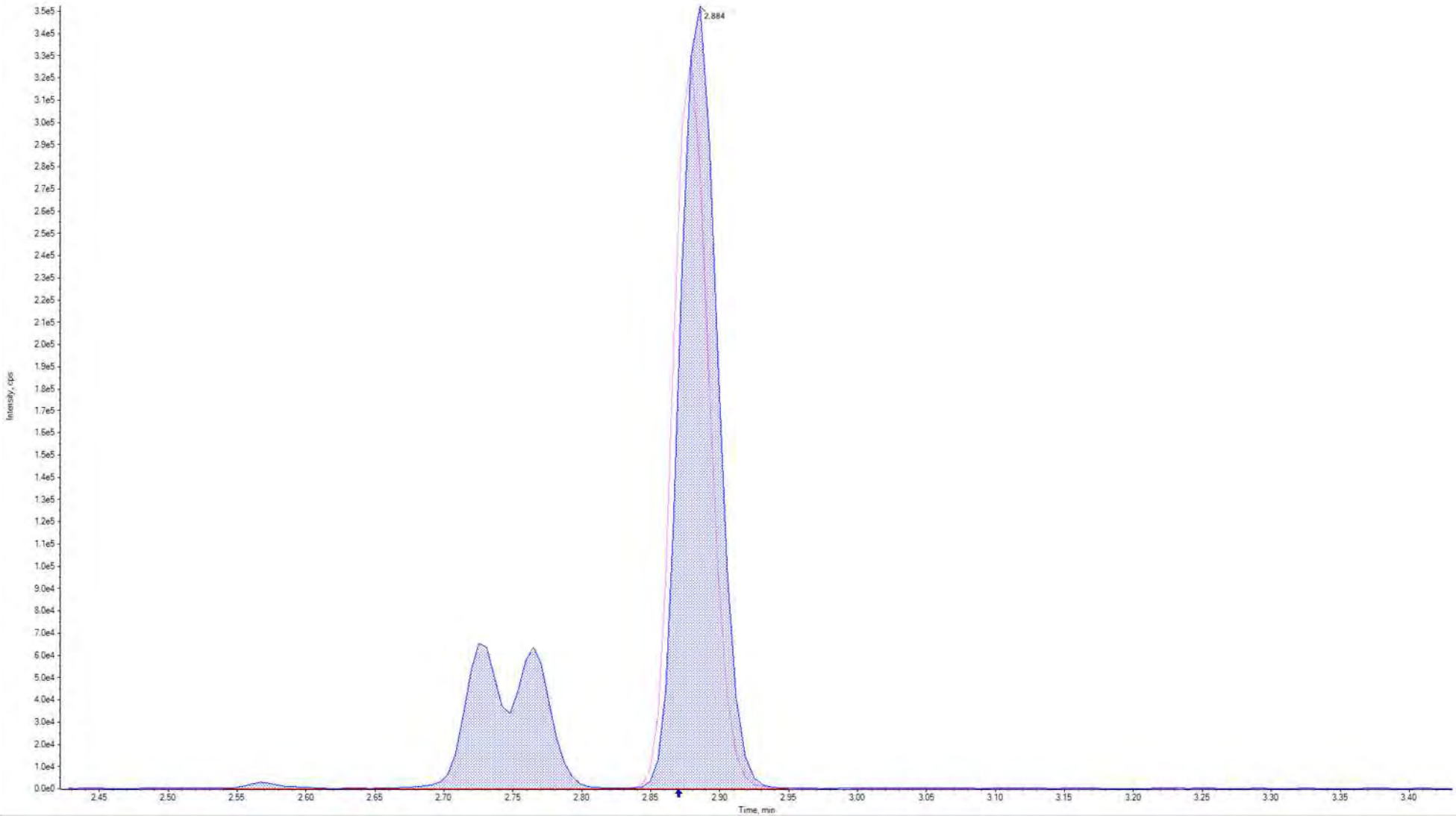

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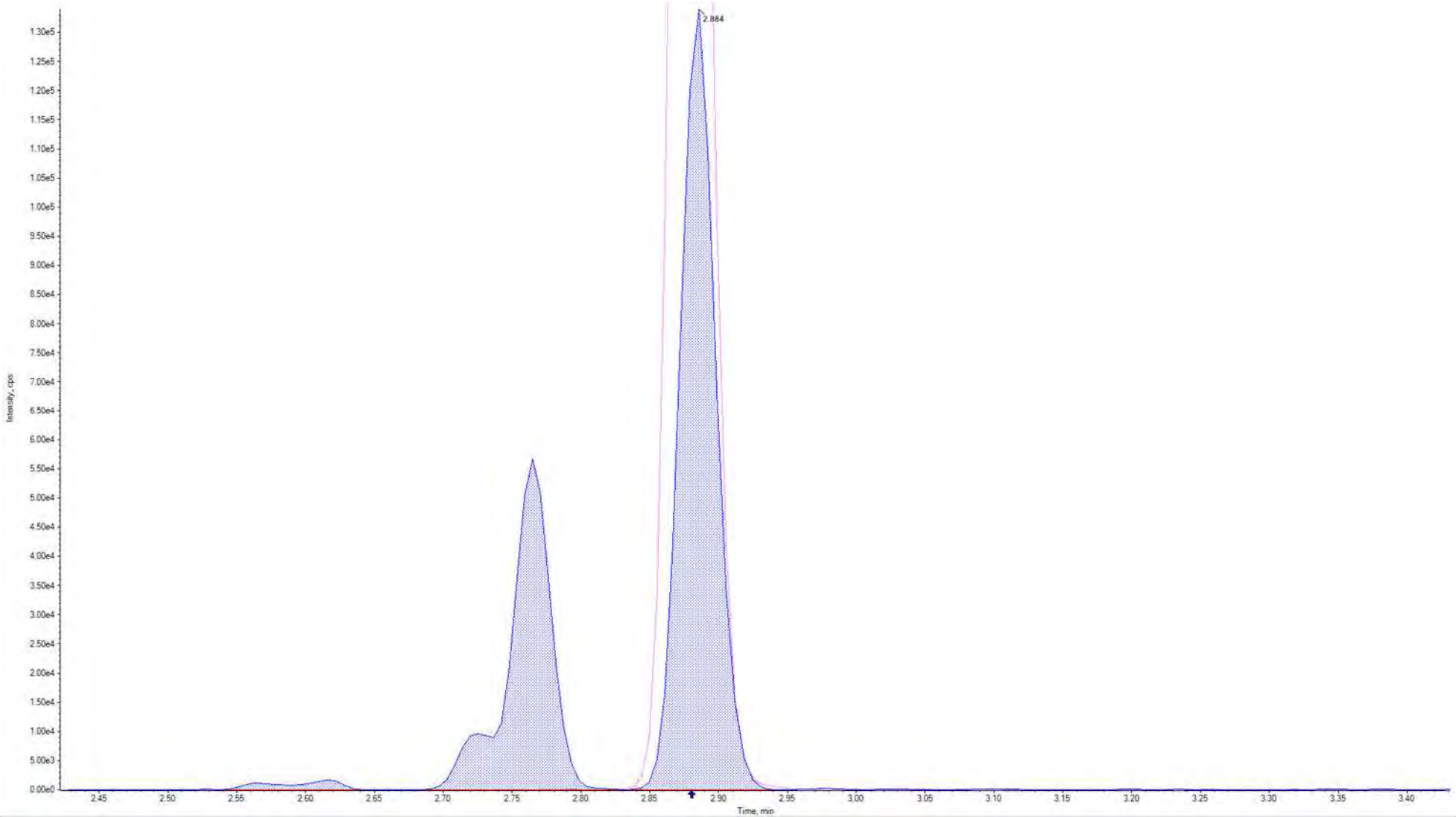
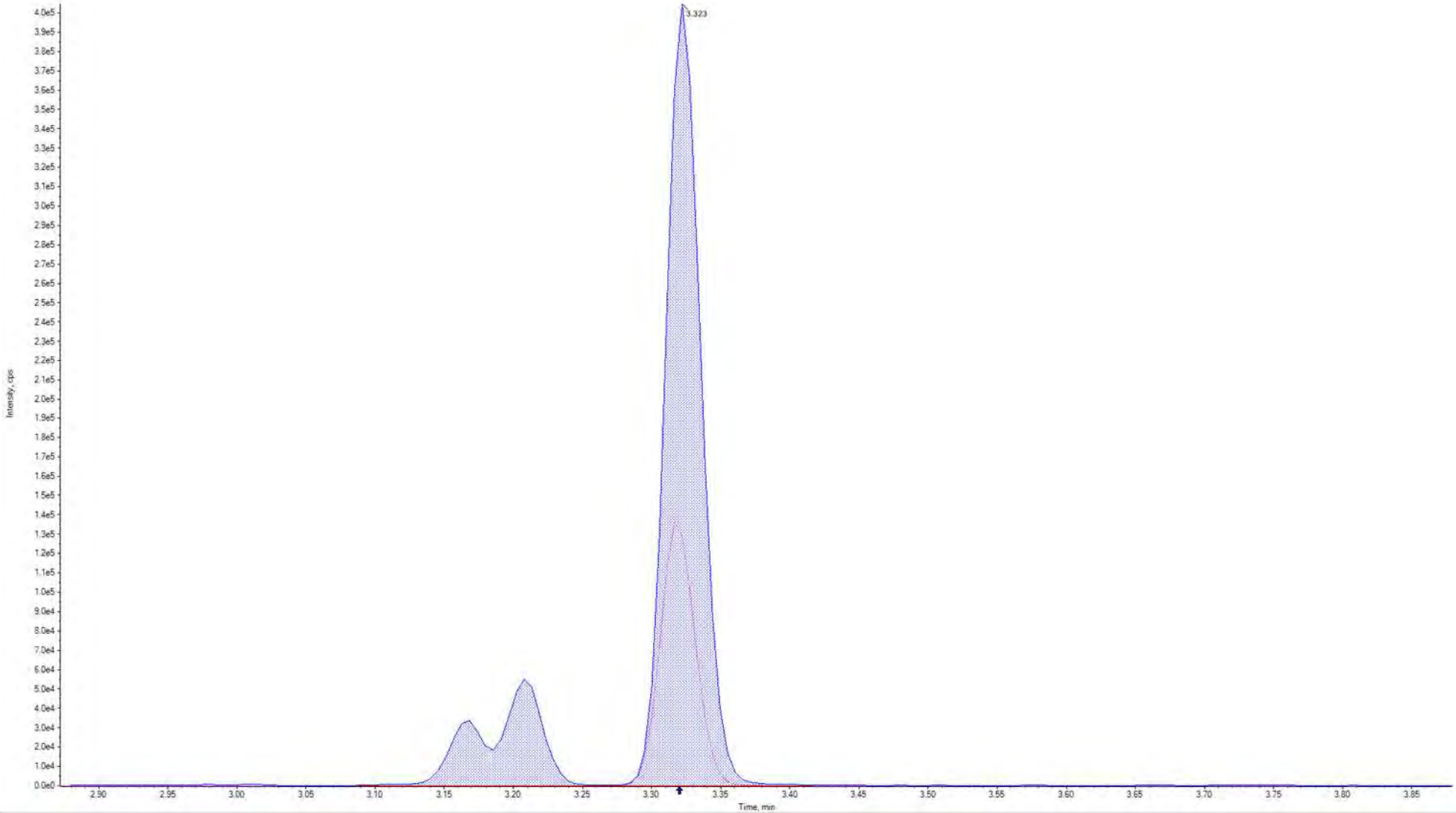
Generated: 12/23/2024 2:36:12 PM

PFOA_2
Sample: WG2012688-5,1633FMED S/N:627.9 Points Across peak:70



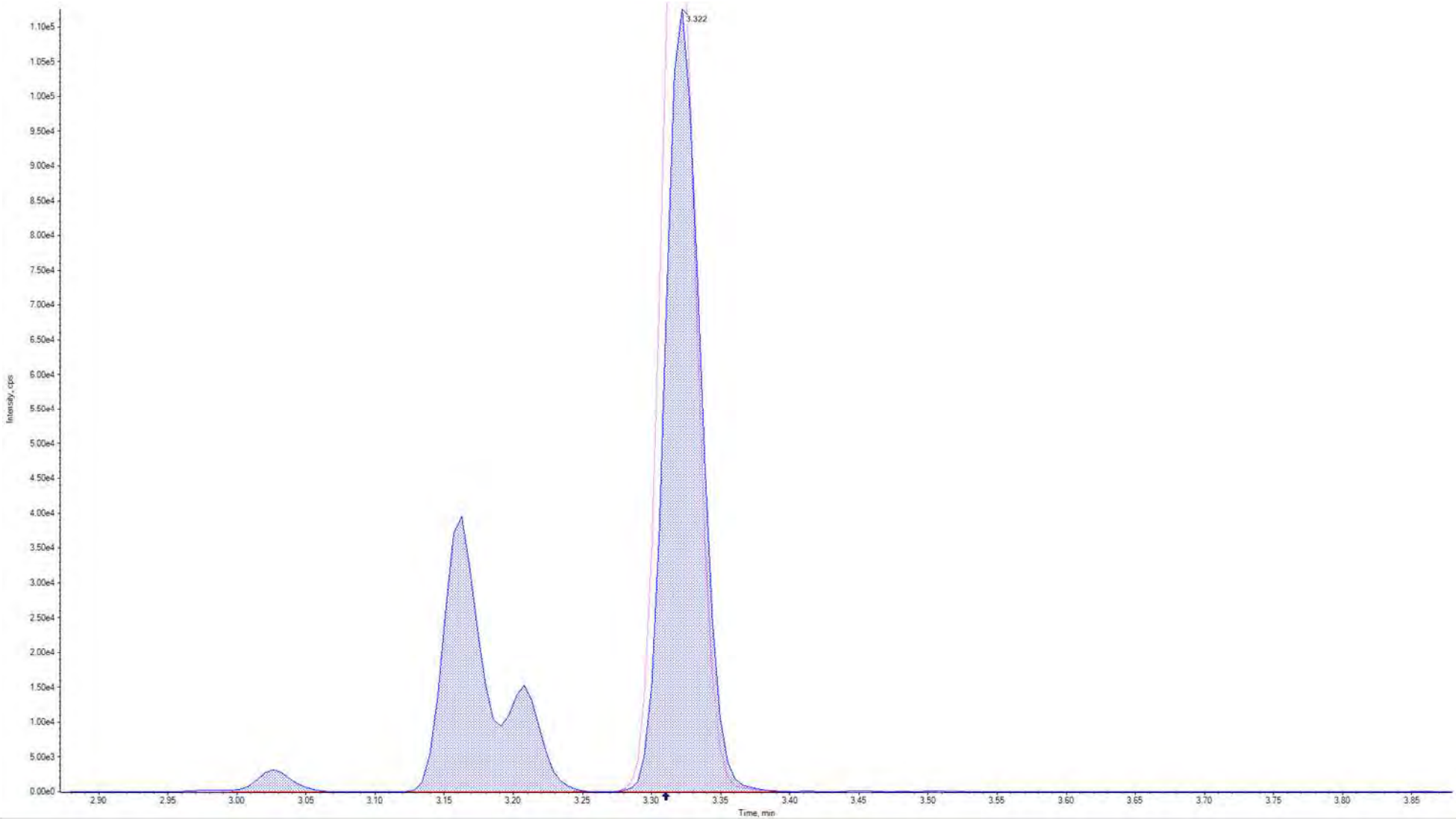
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFNA
Sample: WG2012688-5,1633FMED S/N:778.5 Points Across peak:65



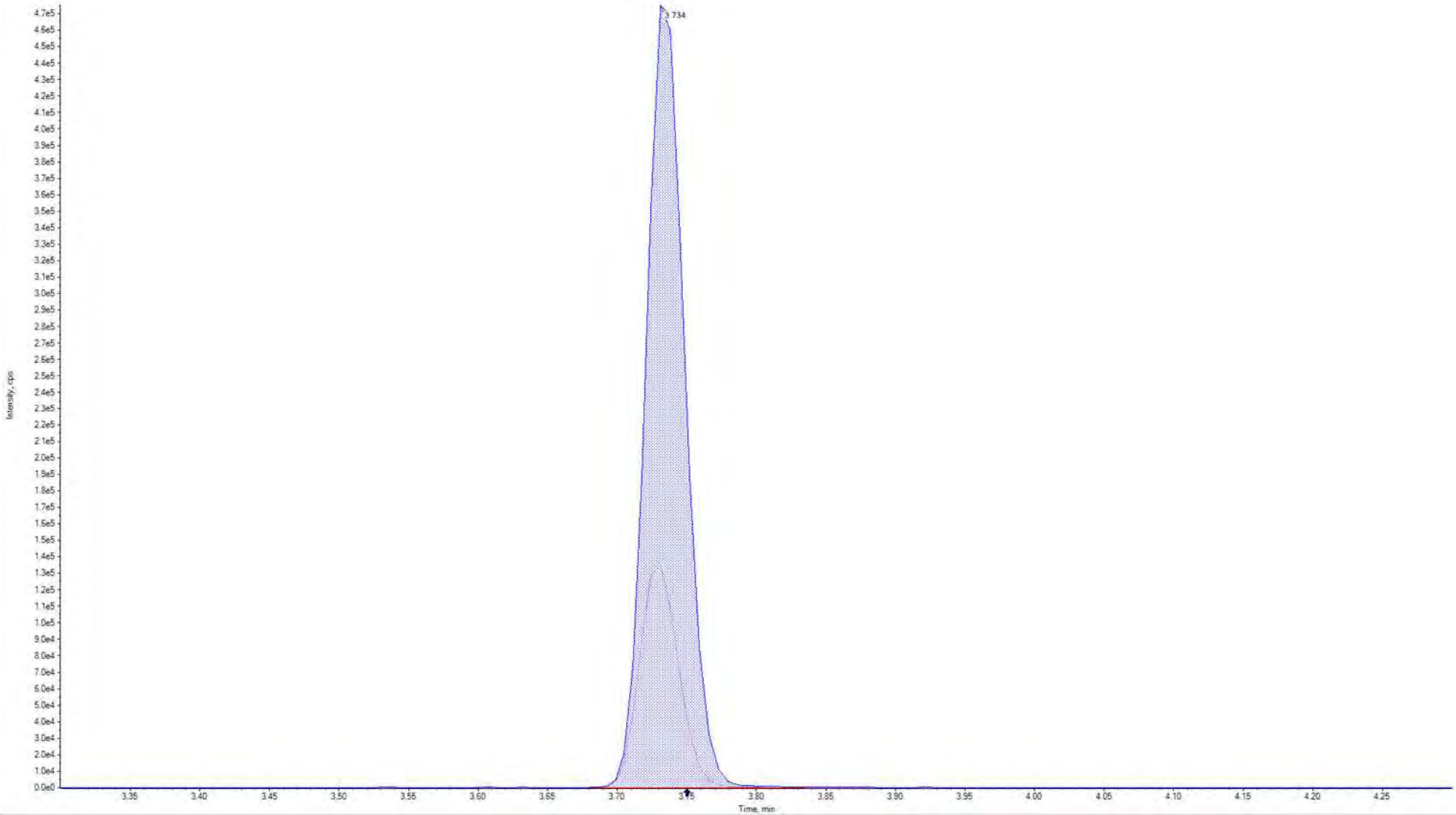
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFNA_2
Sample: WG2012688-5,1633FMED S/N:581.5 Points Across peak:75



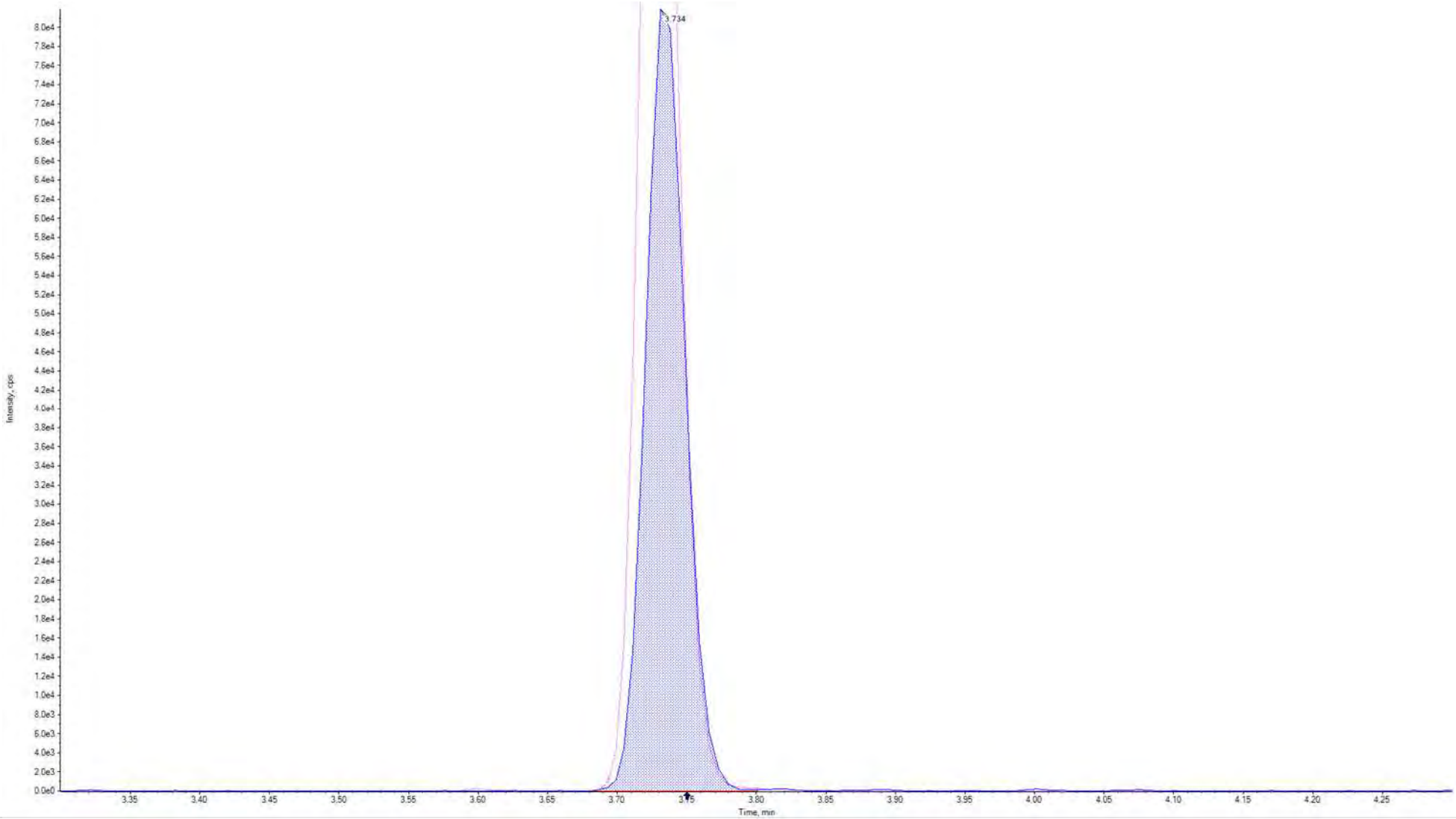
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFDA
Sample: WG2012688-5,1633FMED S/N:9525.2 Points Across peak:28



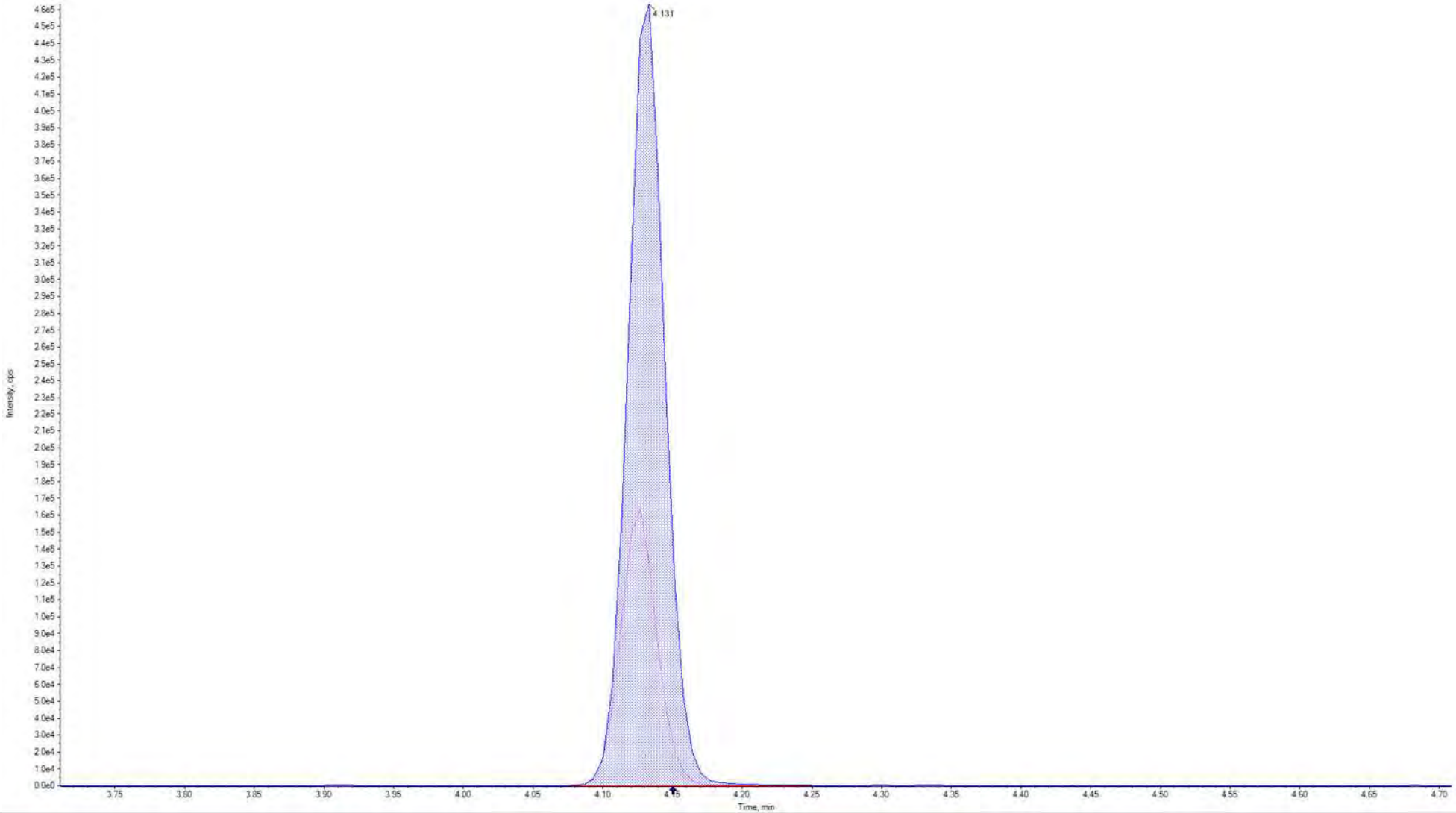
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFDA_2
Sample: WG2012688-5,1633FMED S/N:1642.3 Points Across peak:20



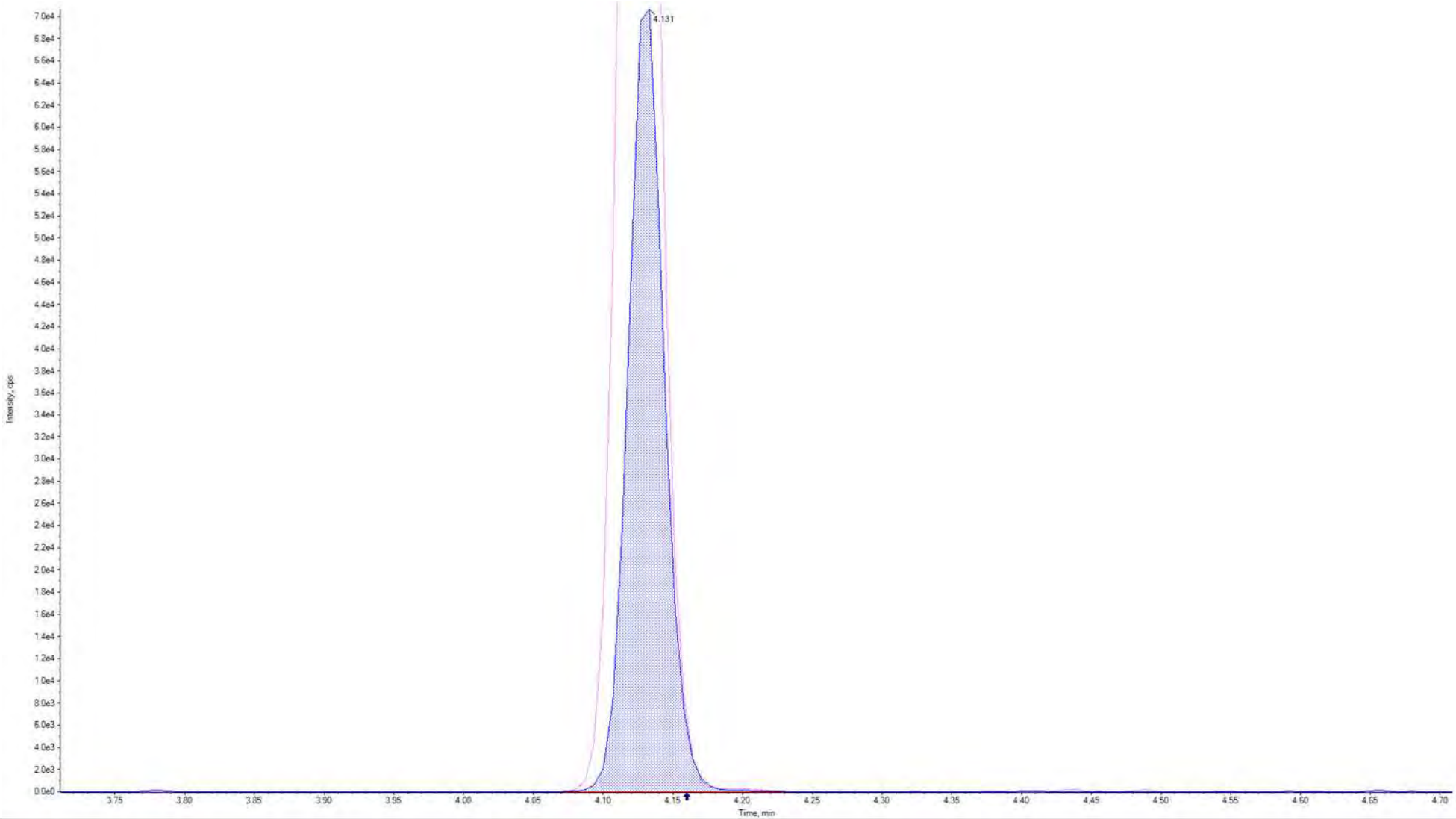
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFUnA
Sample: WG2012688-5,1633FMED S/N:10451.9 Points Across peak:38



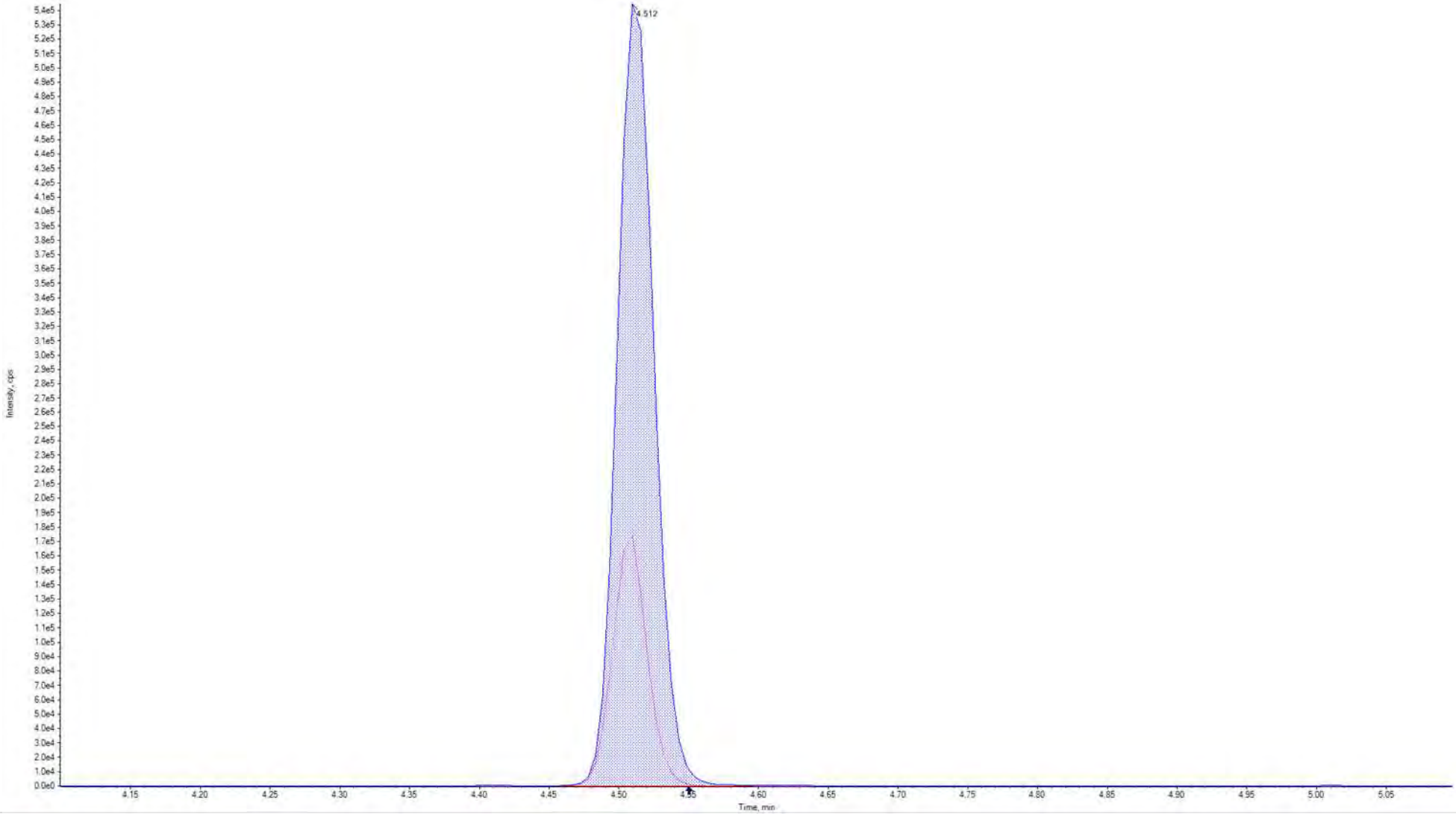
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFUnA_2
Sample: WG2012688-5,1633FMED S/N:1594.1 Points Across peak:41



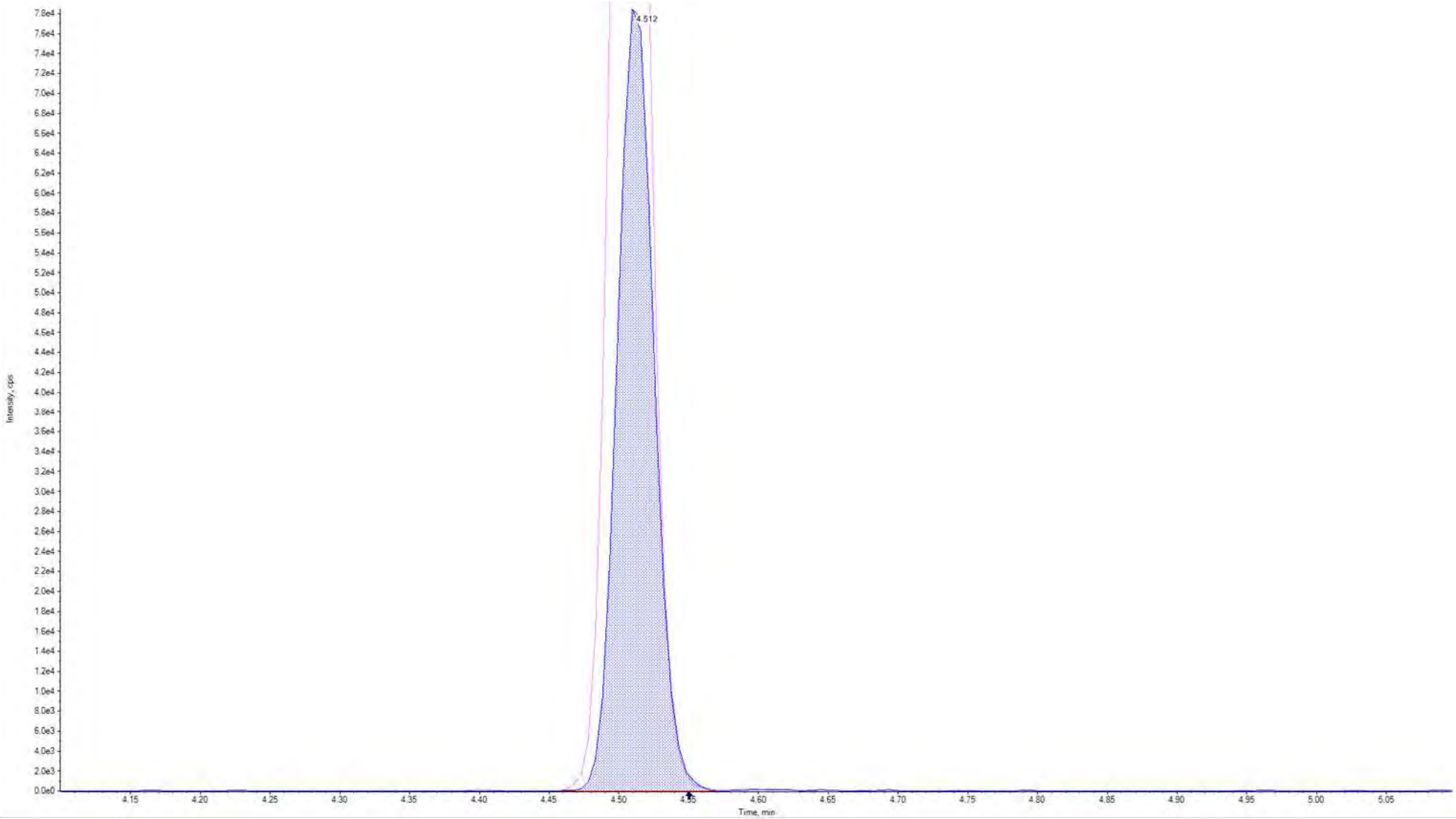
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFDoA
Sample: WG2012688-5,1633FMED S/N:10537.9 Points Across peak:31



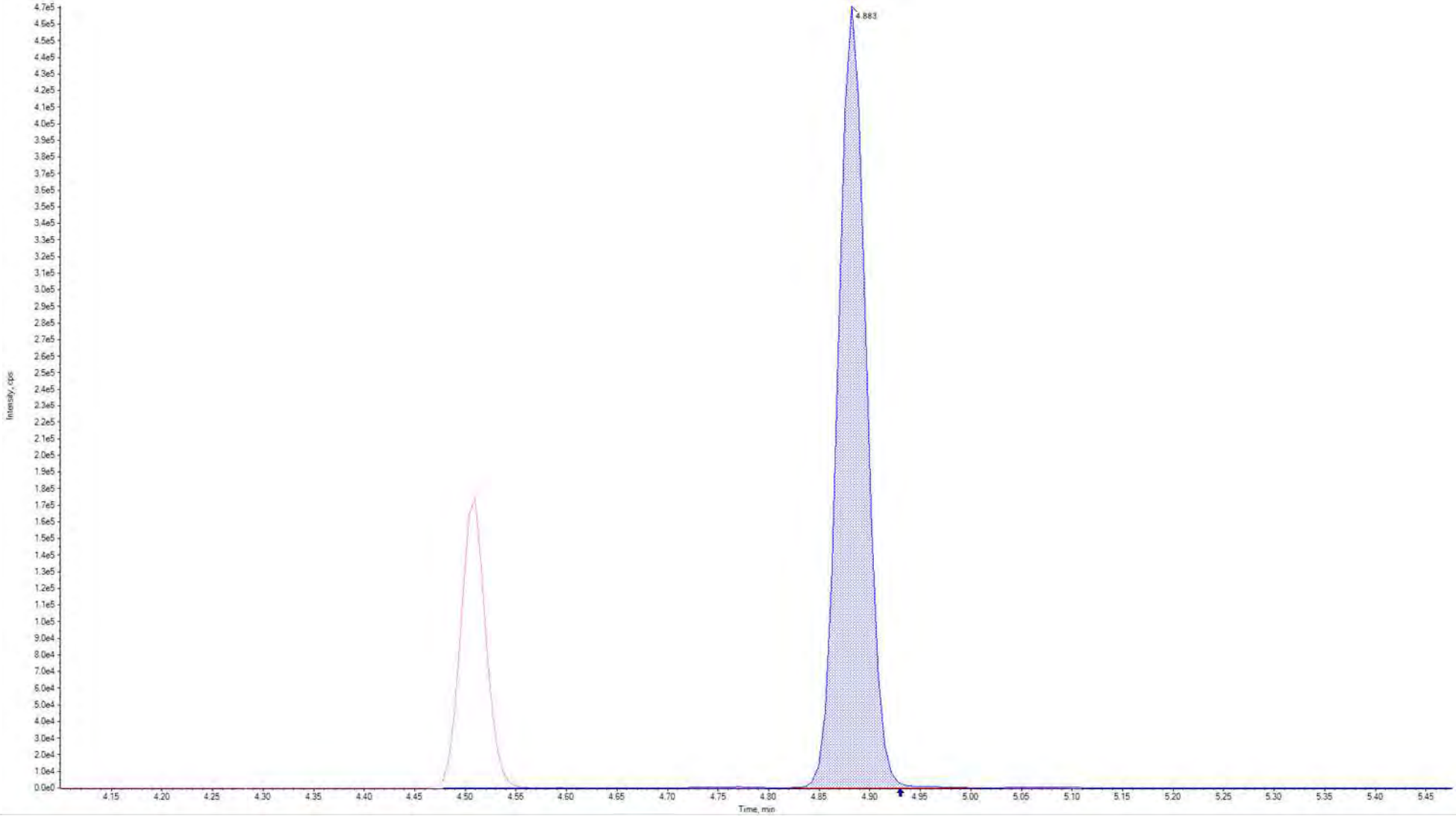
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFDoA_2
Sample: WG2012688-5,1633FMED S/N:2162.9 Points Across peak:24



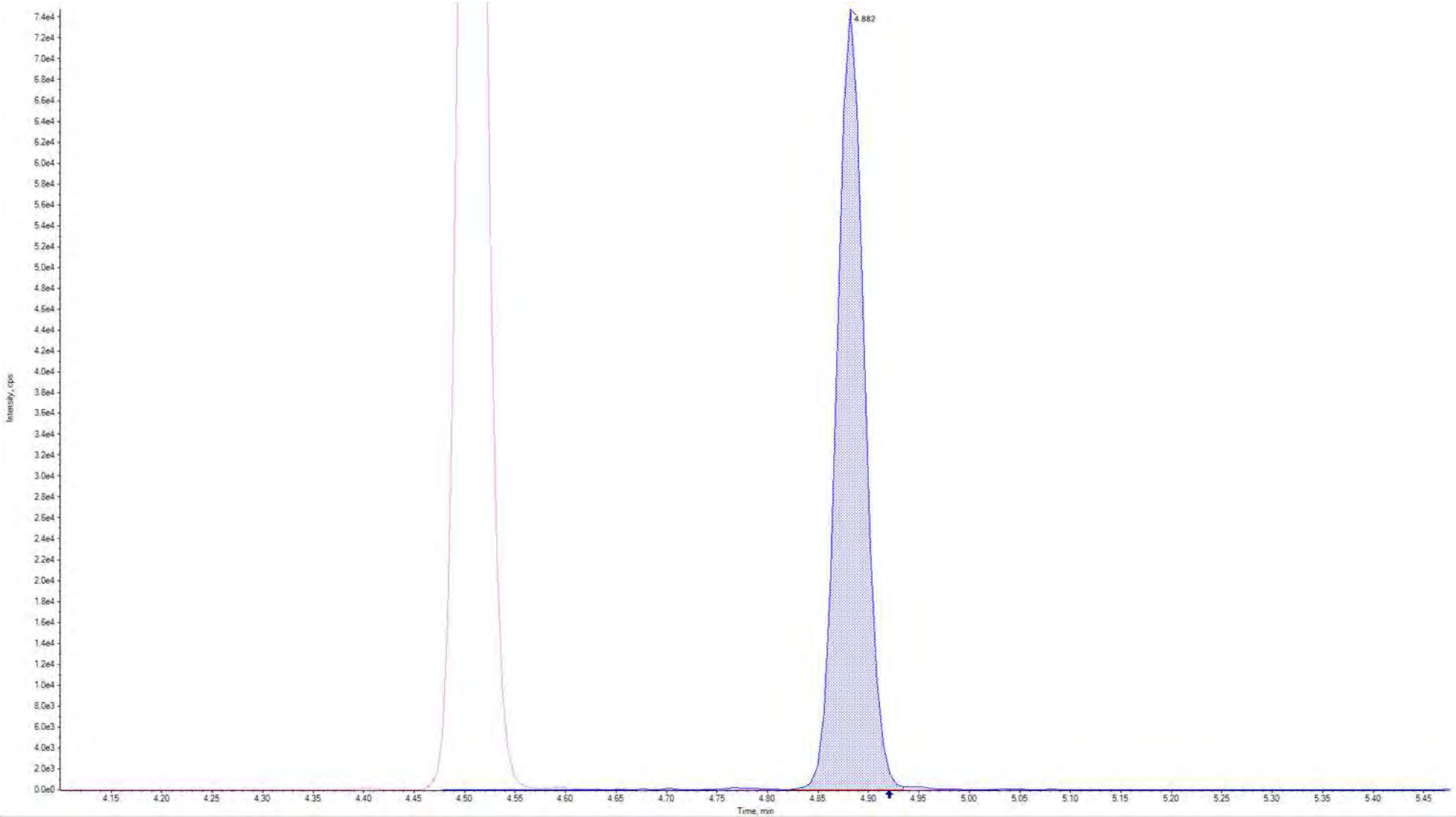
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFTrDA
Sample: WG2012688-5,1633FMED S/N:17180.5 Points Across peak:32



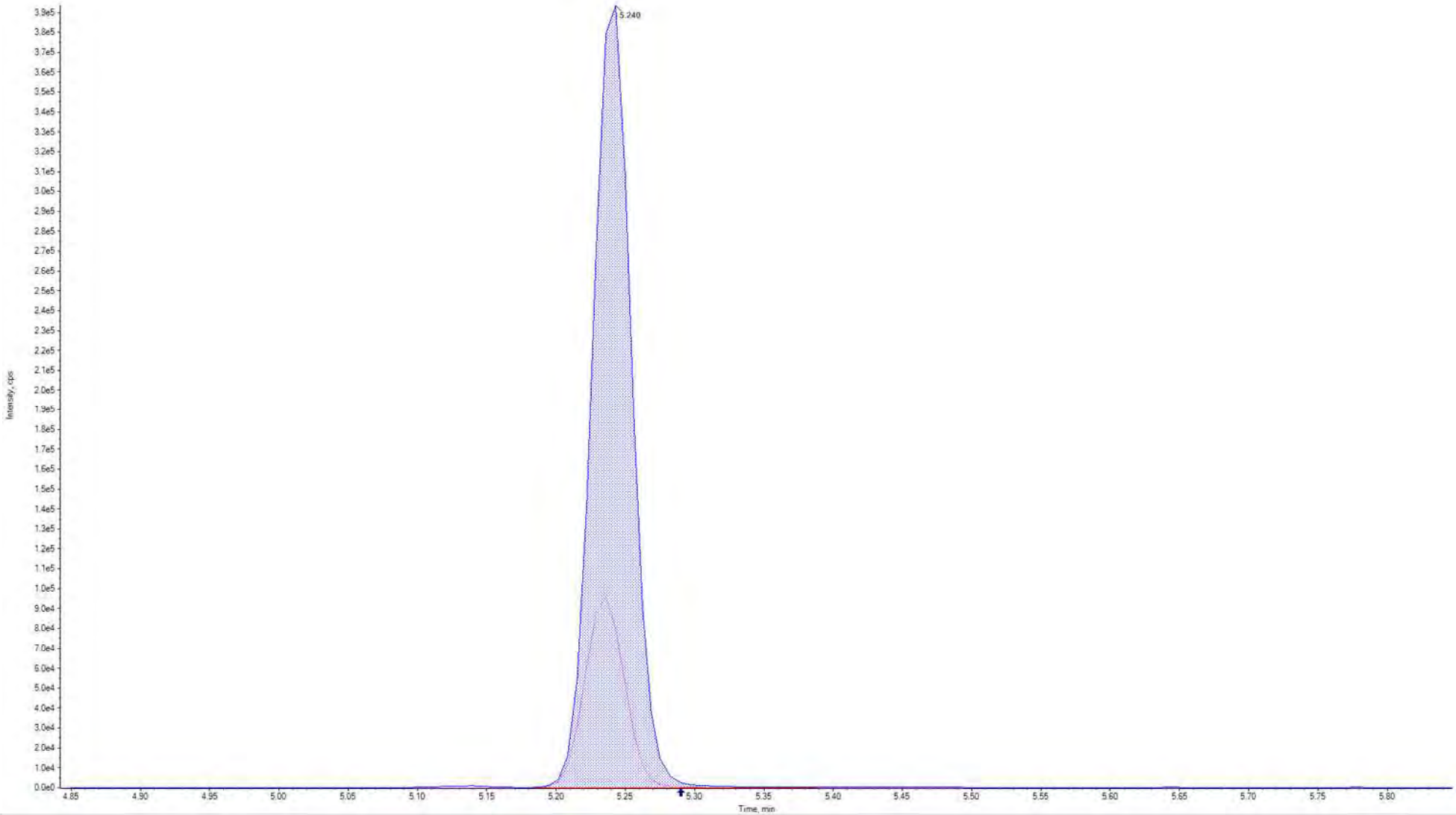
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFTrDA_2
Sample: WG2012688-5,1633FMED S/N:2997.3 Points Across peak:19



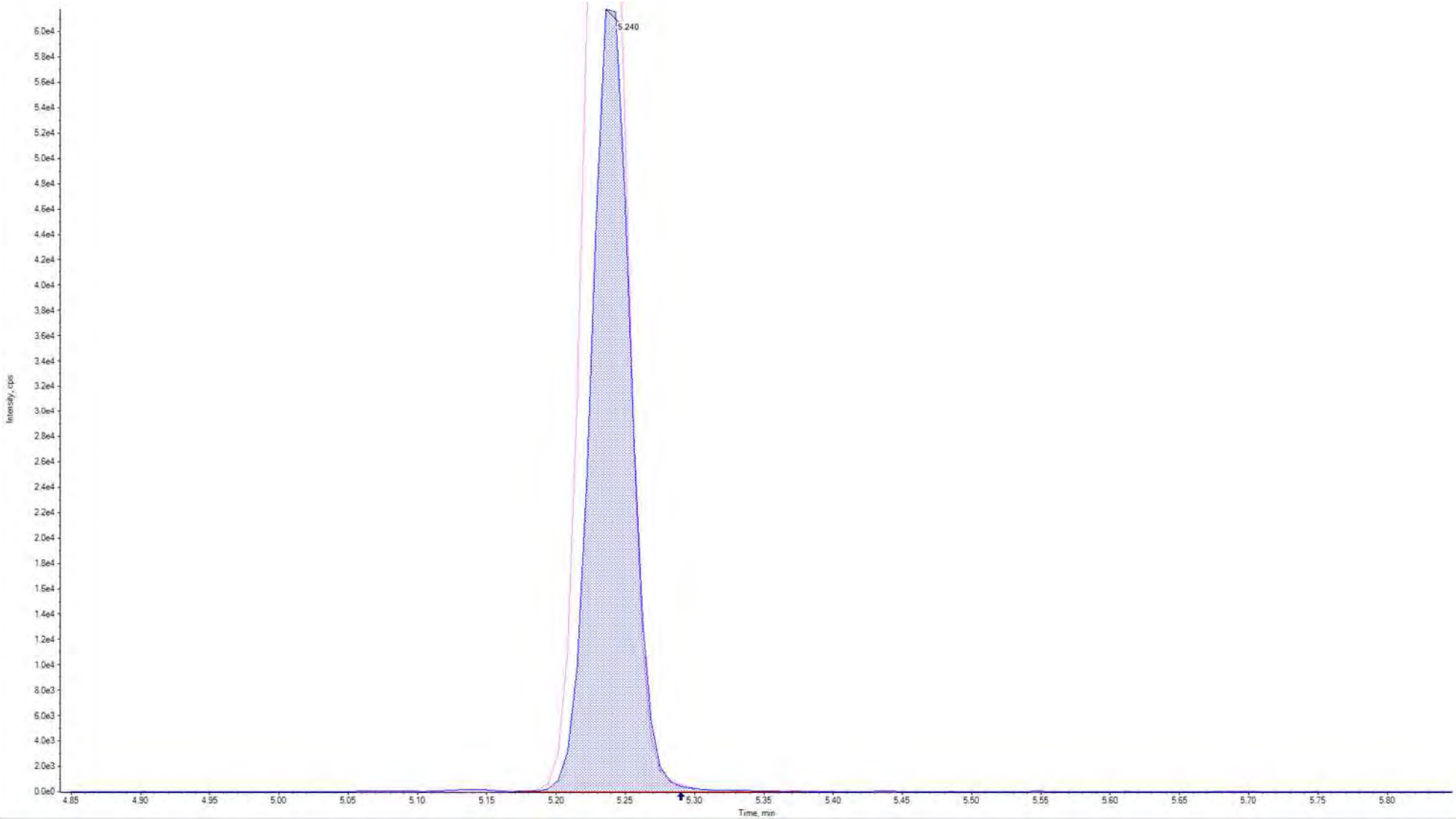
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFTeDA
Sample: WG2012688-5,1633FMED S/N:9242.1 Points Across peak:30



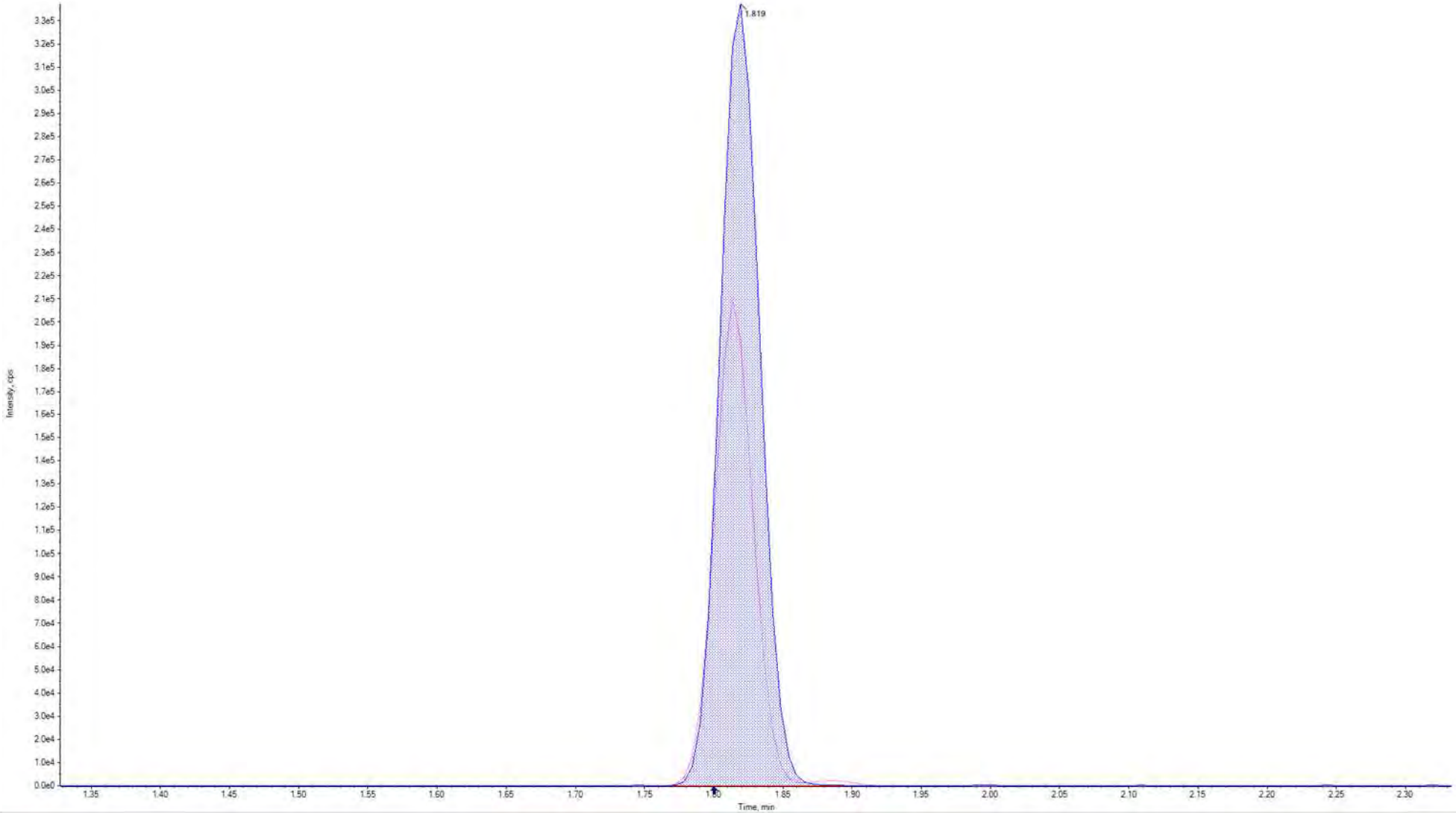
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFTeDA_2
Sample: WG2012688-5,1633FMED S/N:2578.5 Points Across peak:32



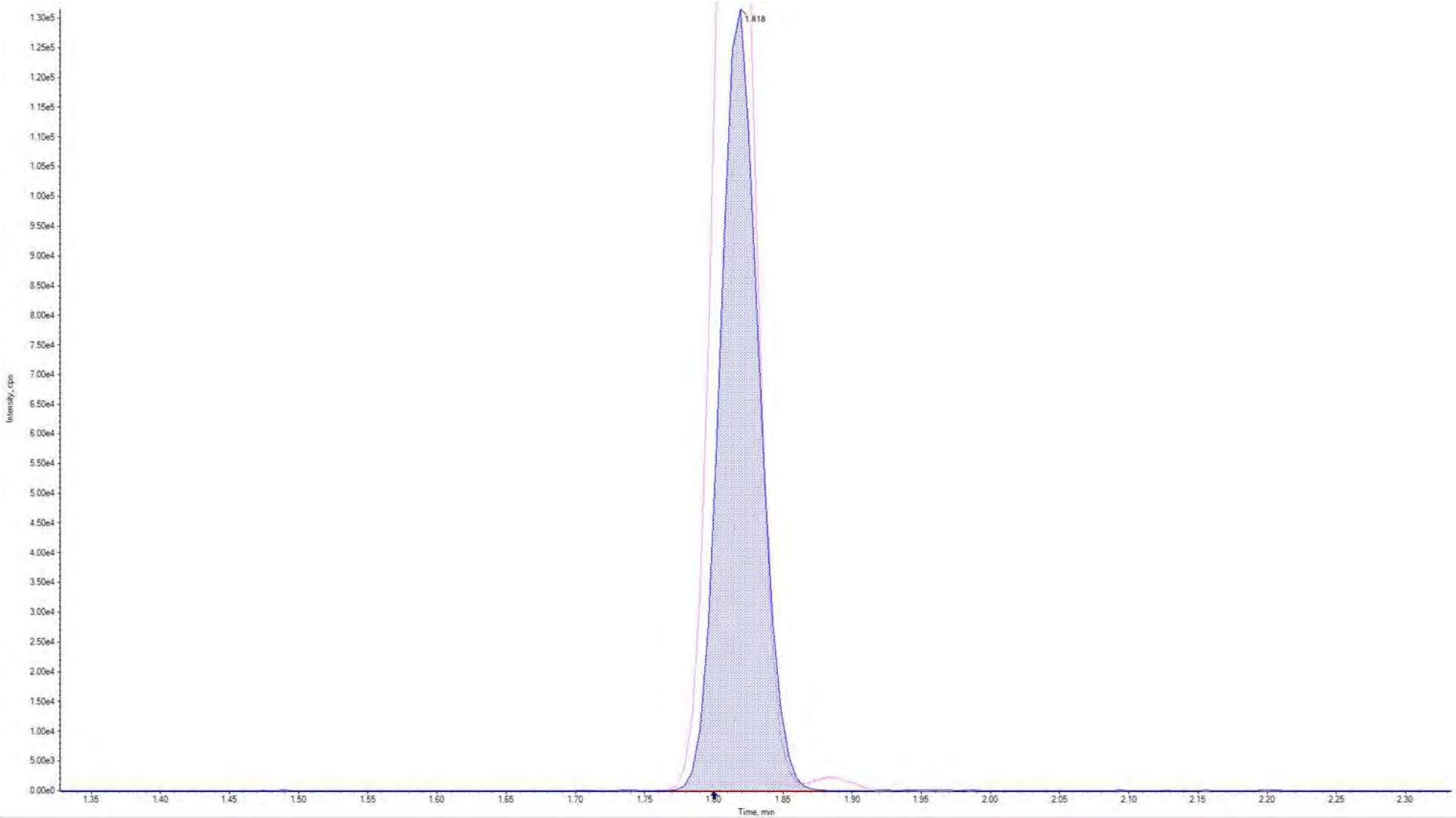
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFBS
Sample: WG2012688-5,1633FMED S/N:8452.0 Points Across peak:27



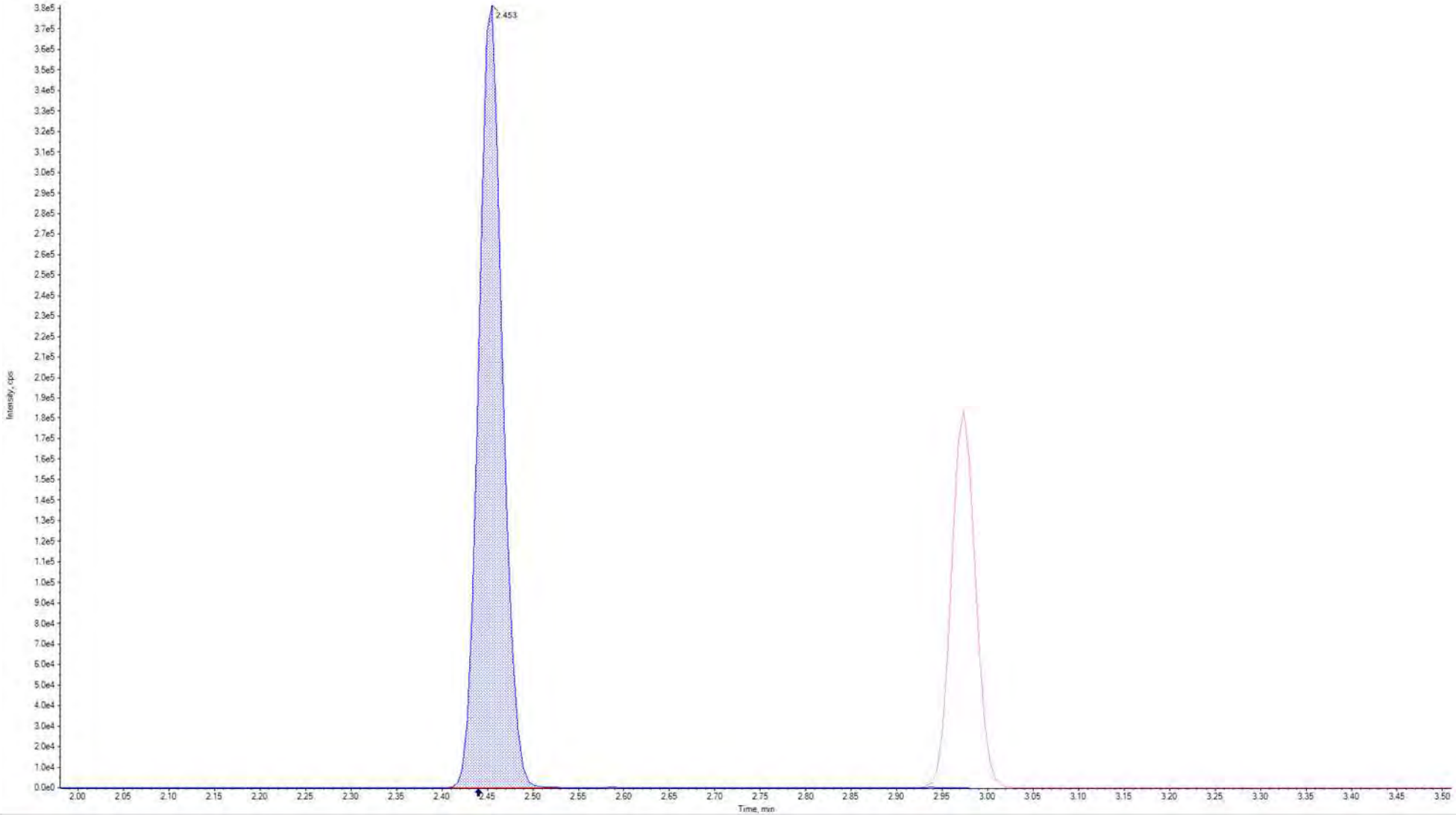
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFBS_2
Sample: WG2012688-5,1633FMED S/N:3296.1 Points Across peak:28



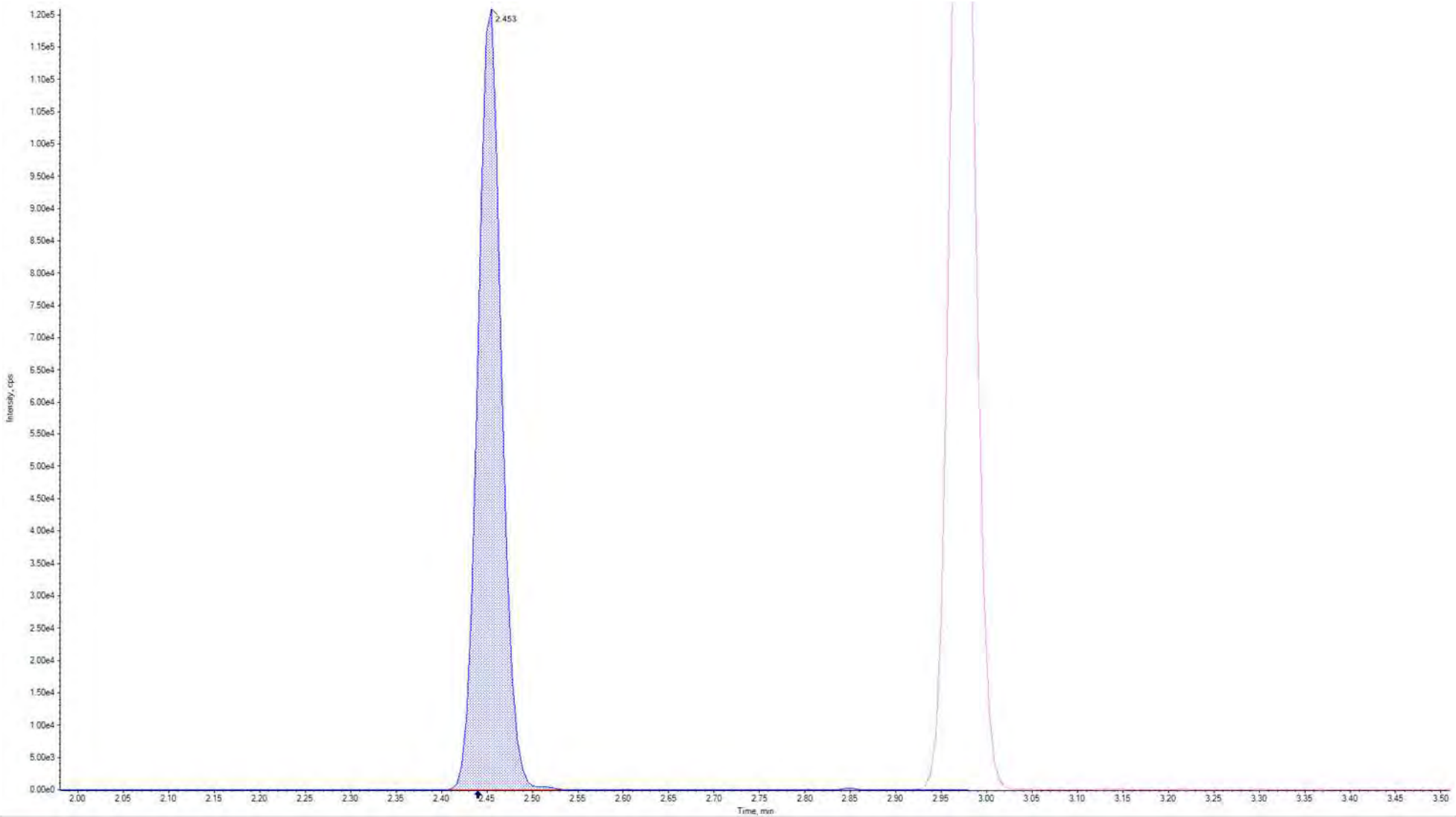
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFPeS
Sample: WG2012688-5,1633FMED S/N:5880.3 Points Across peak:28



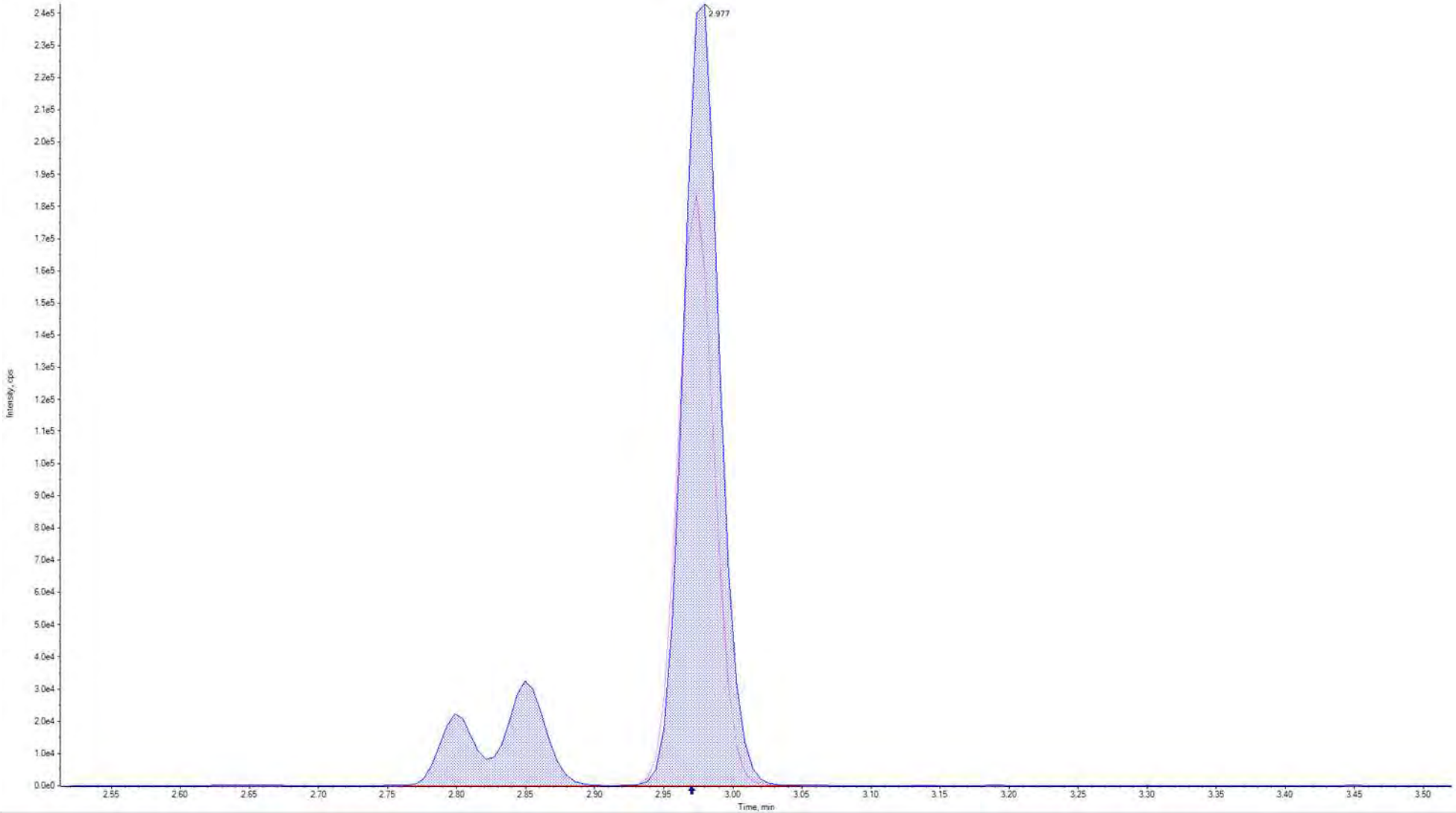
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFPeS_2
Sample: WG2012688-5,1633FMED S/N:2423.7 Points Across peak:35



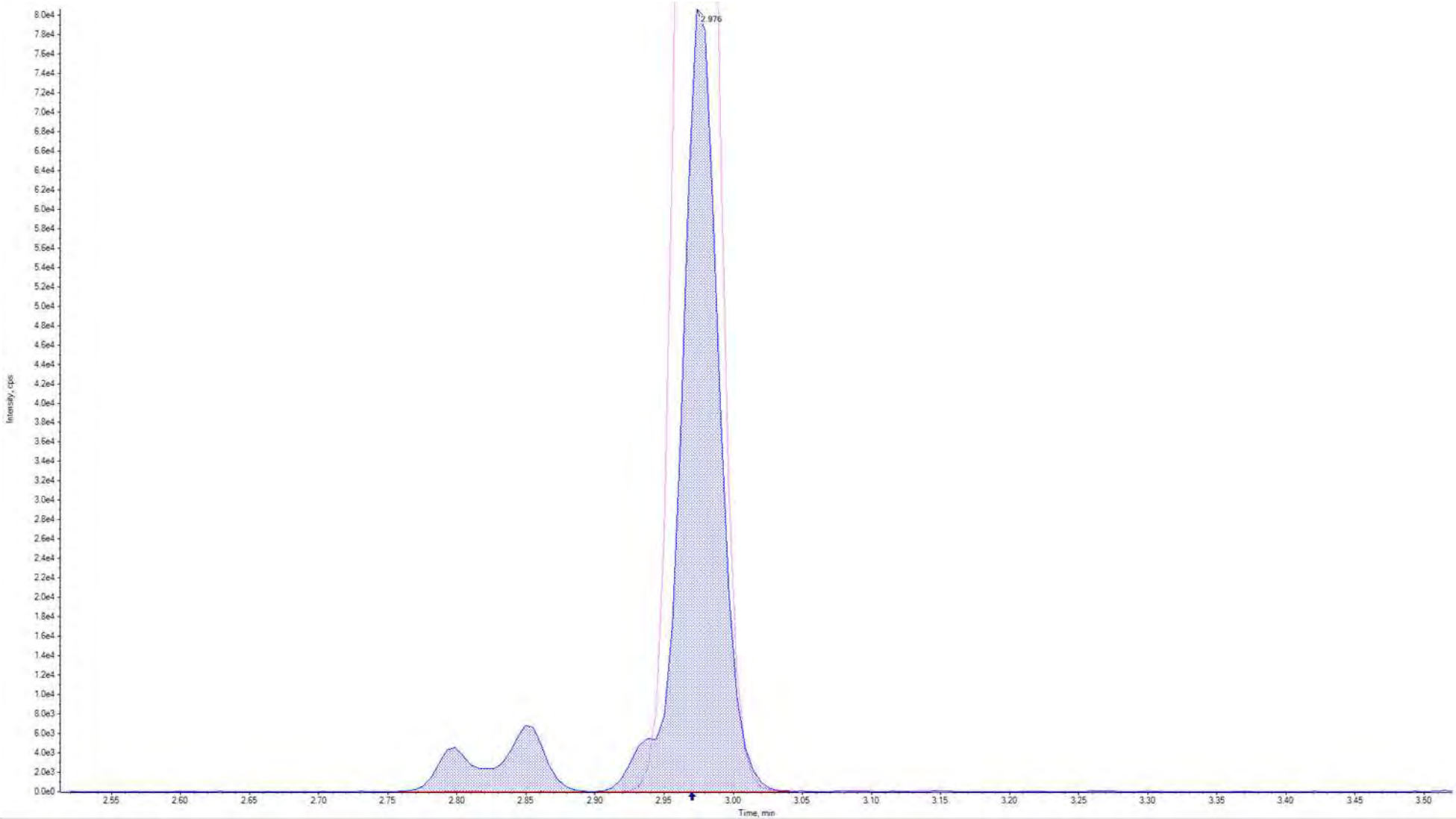
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFHxS
Sample: WG2012688-5,1633FMED S/N:1120.4 Points Across peak:50



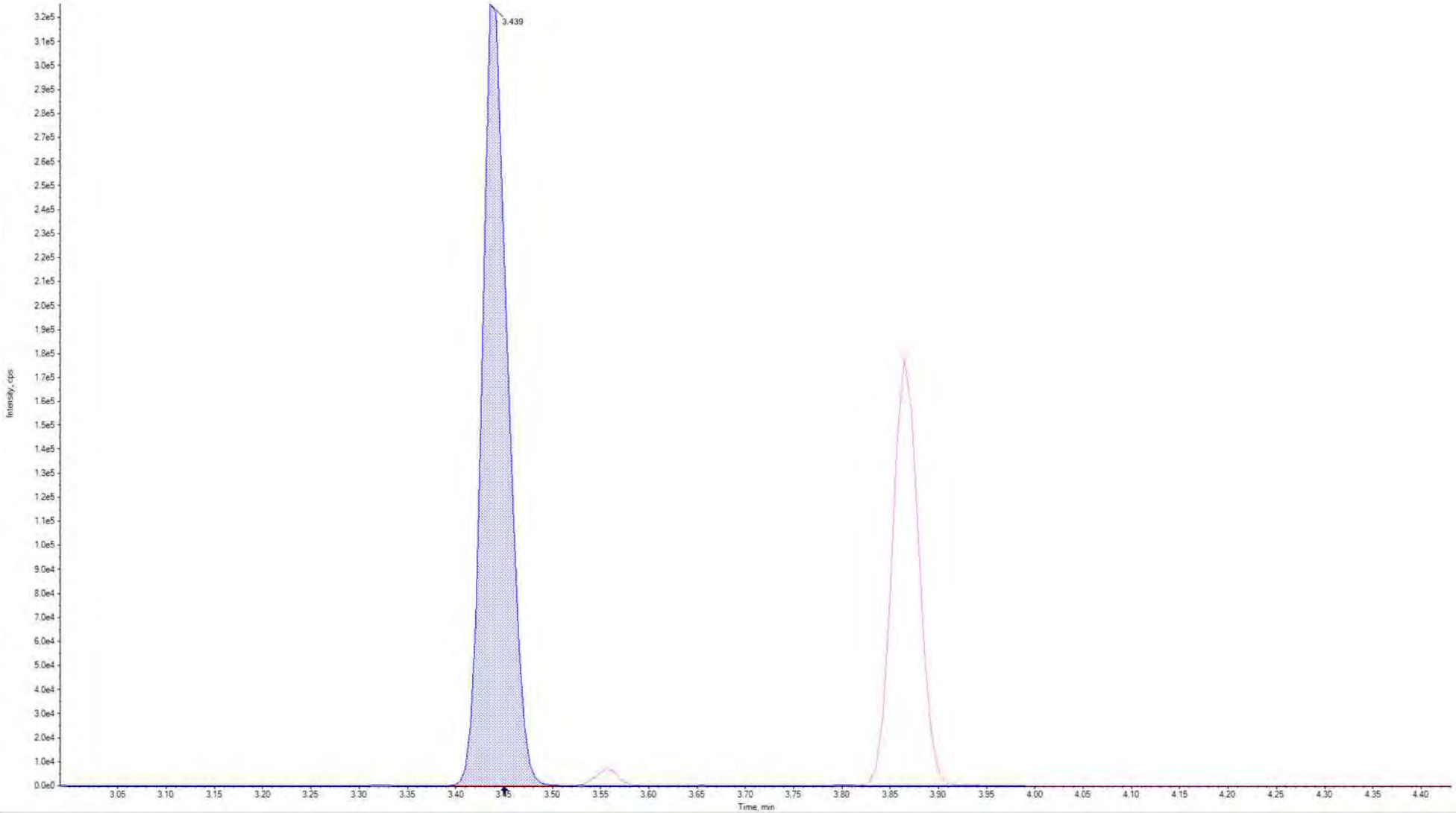
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFHxS_2
Sample: WG2012688-5,1633FMED S/N:1323.3 Points Across peak:51



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFHpS
Sample: WG2012688-5,1633FMED S/N:6529.6 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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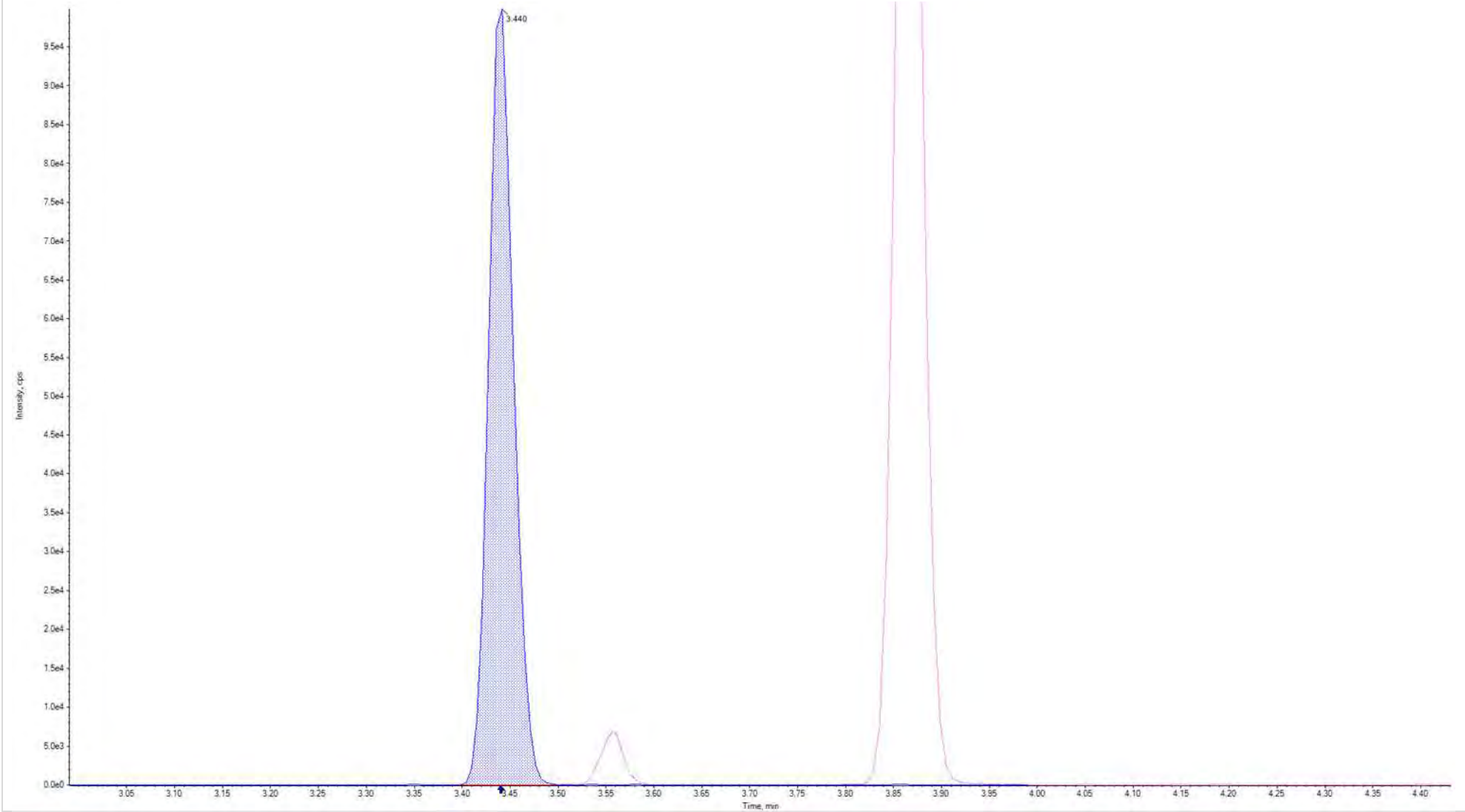
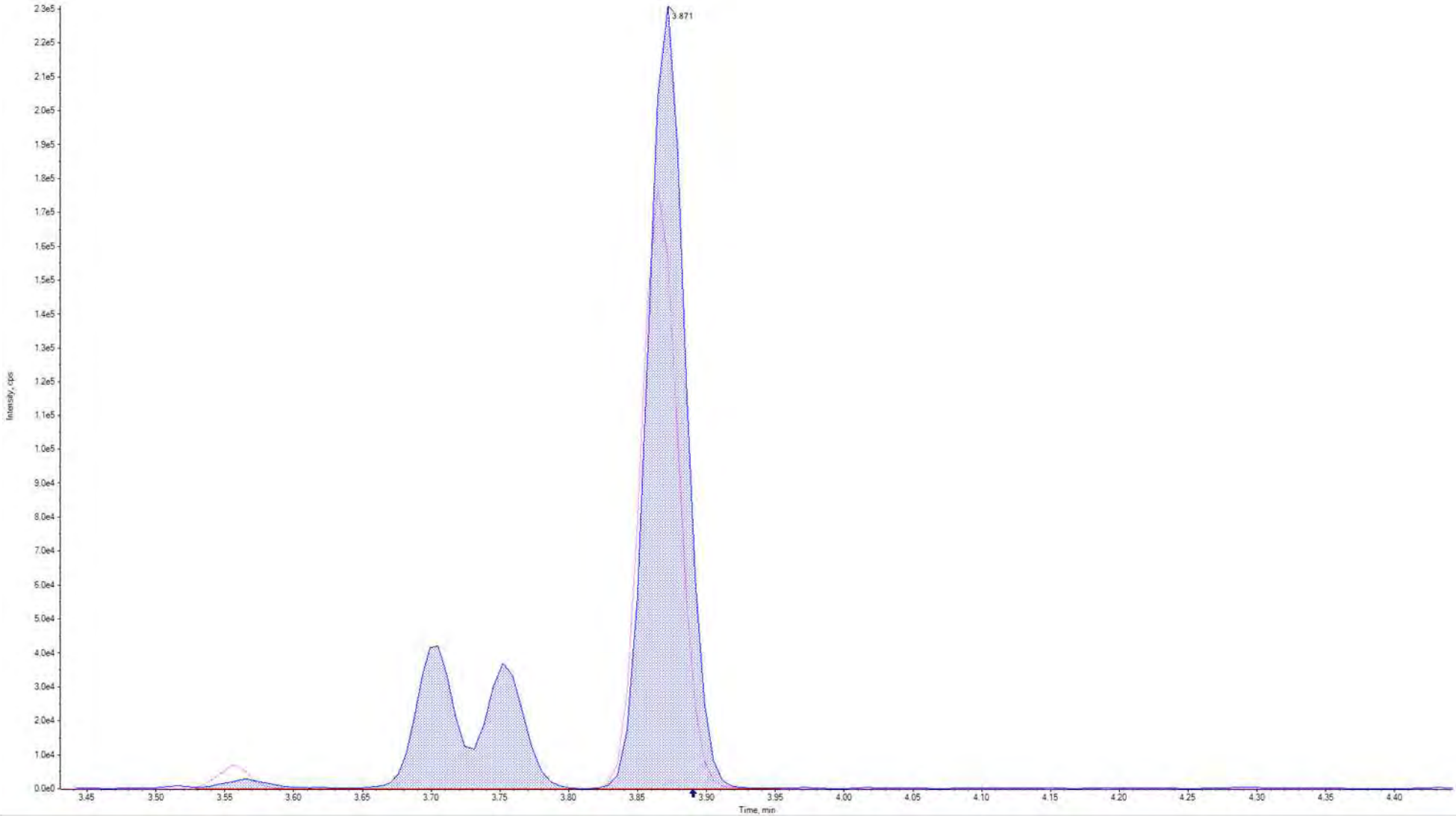
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFHpS_2
Sample: WG2012688-5,1633FMED S/N:2002.1 Points Across peak:24



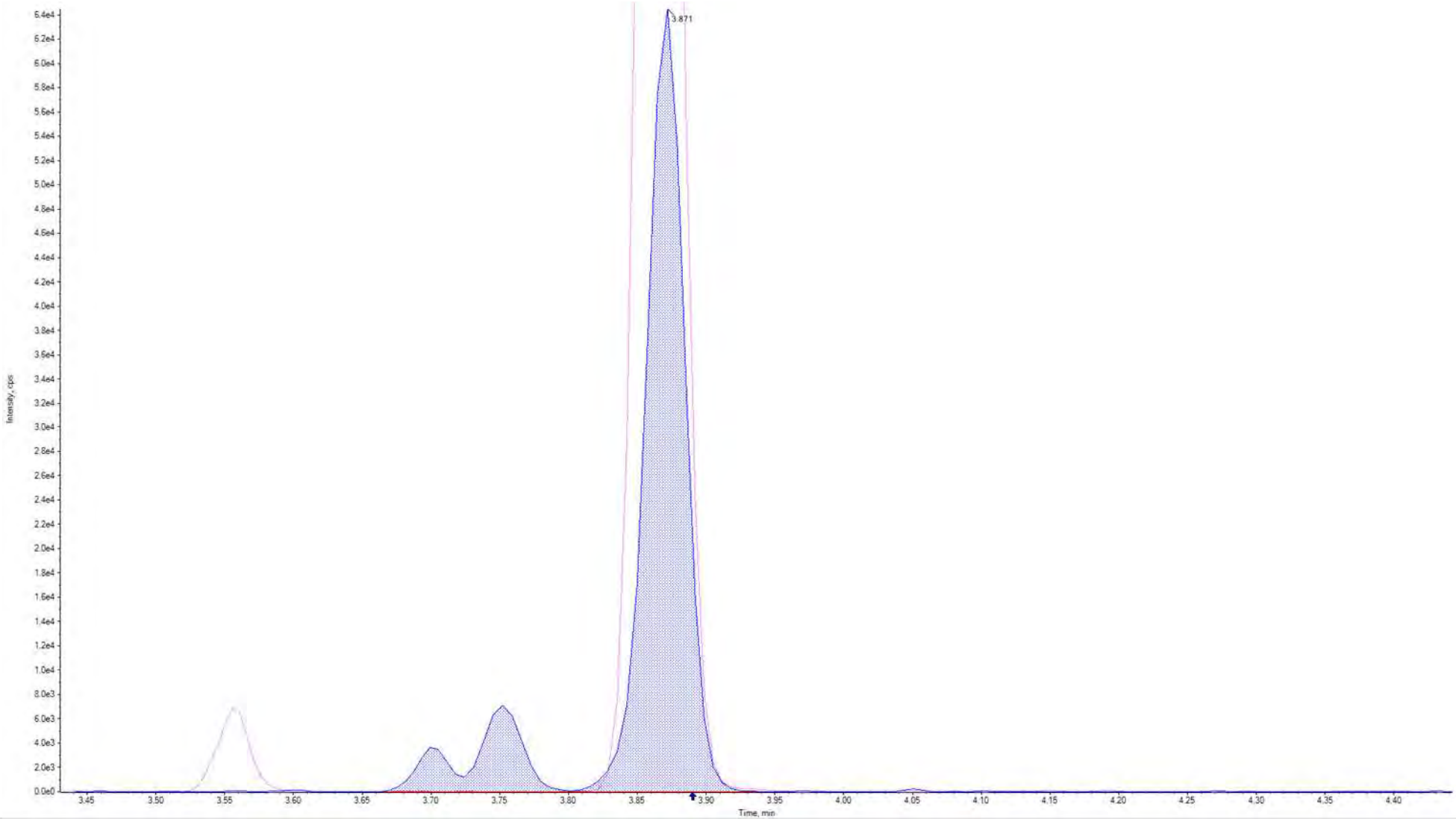
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFOS
Sample: WG2012688-5,1633FMED S/N:446.8 Points Across peak:72



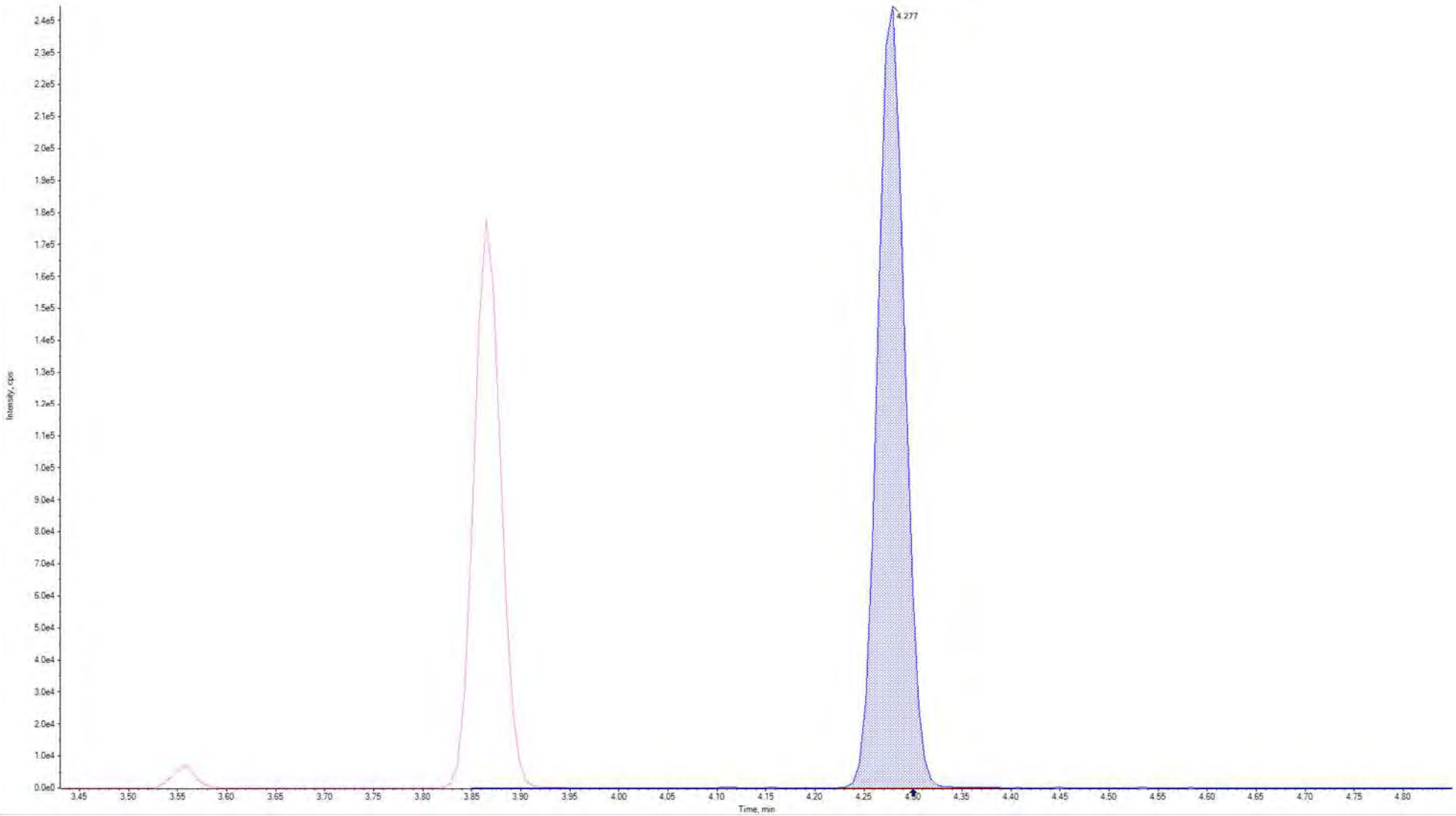
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFOS_2
Sample: WG2012688-5,1633FMED S/N:986.4 Points Across peak:47



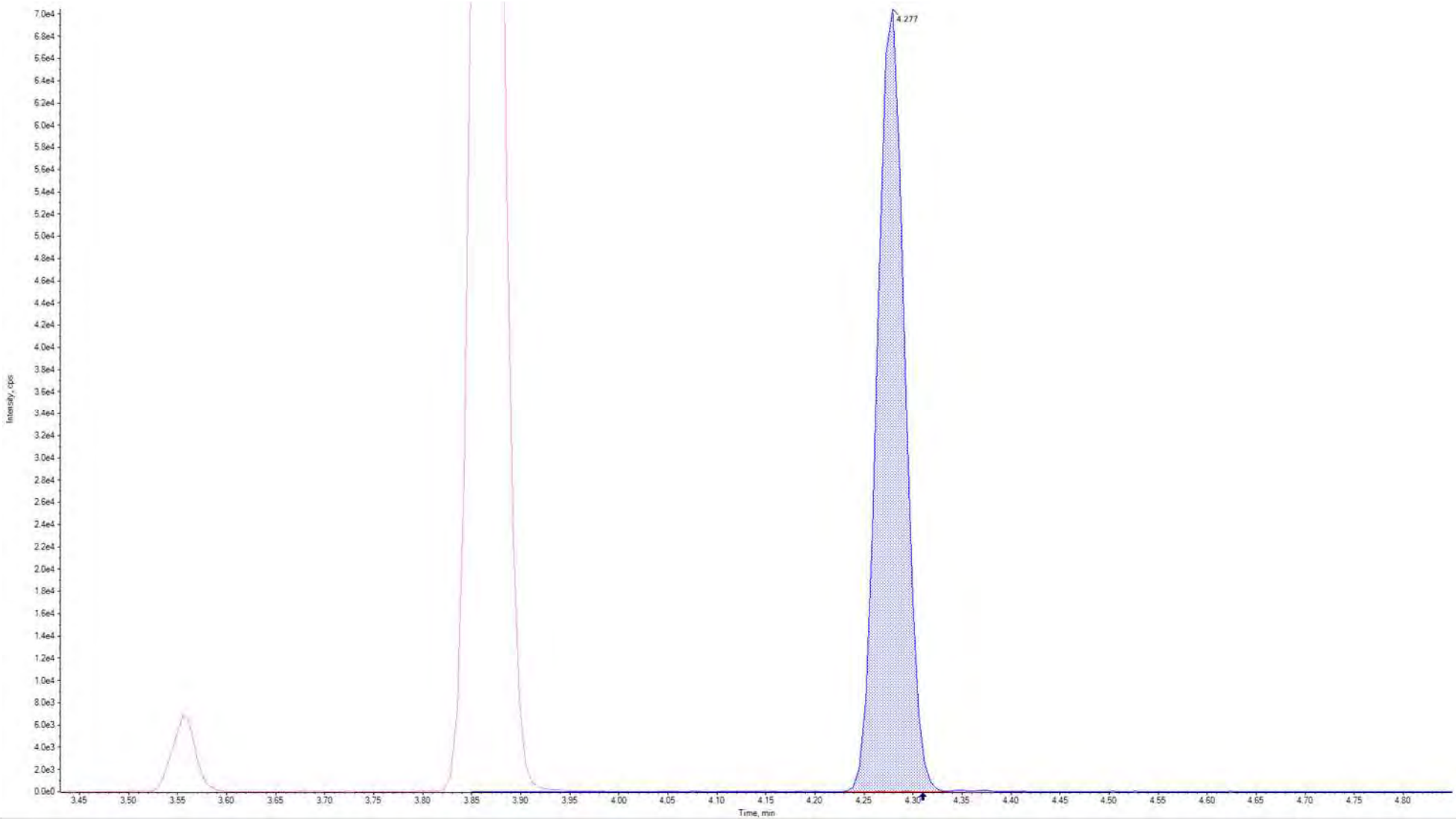
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFNS
Sample: WG2012688-5,1633FMED S/N:3314.7 Points Across peak:31



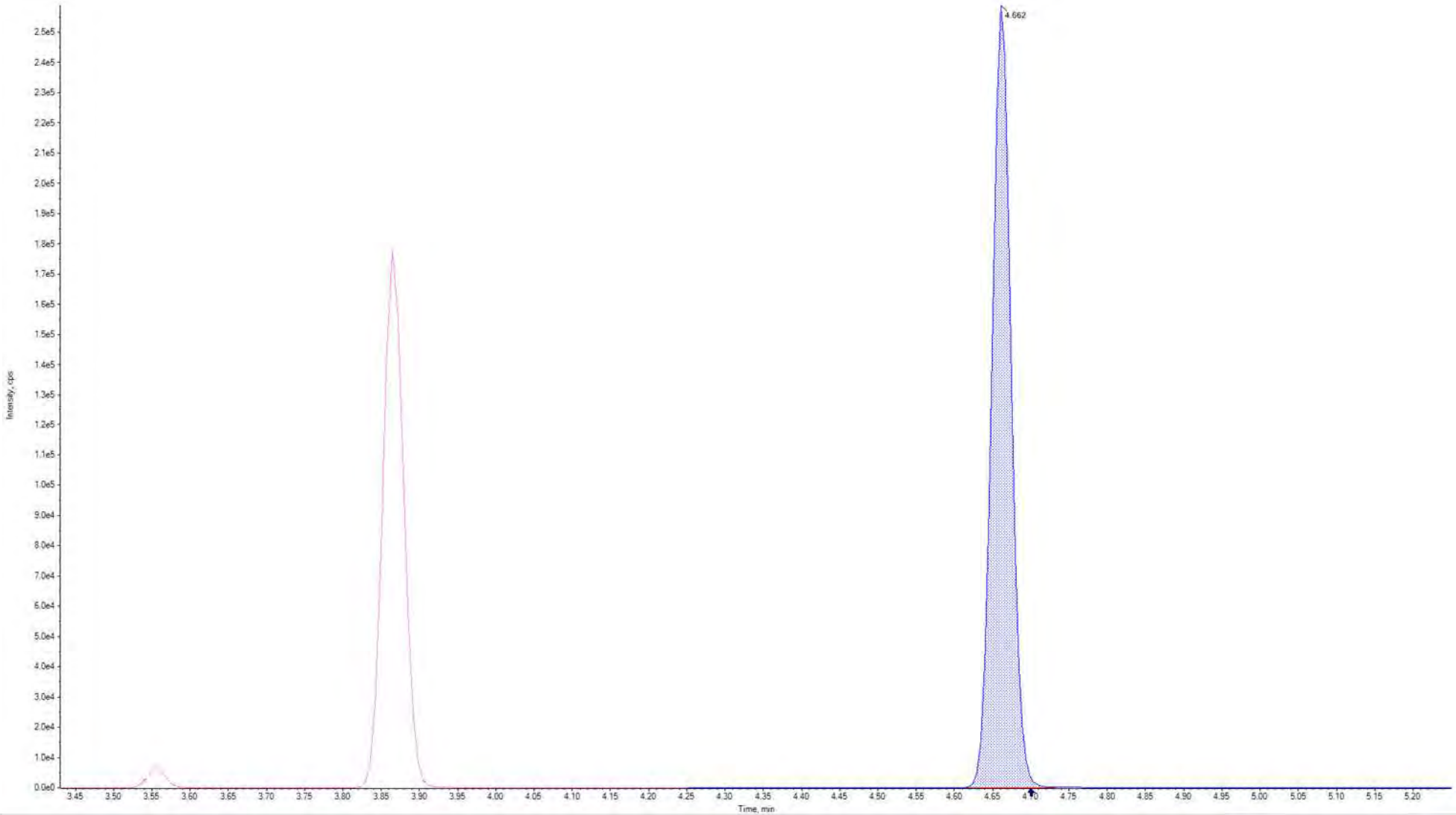
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFNS_2
Sample: WG2012688-5,1633FMED S/N:1765.5 Points Across peak:20



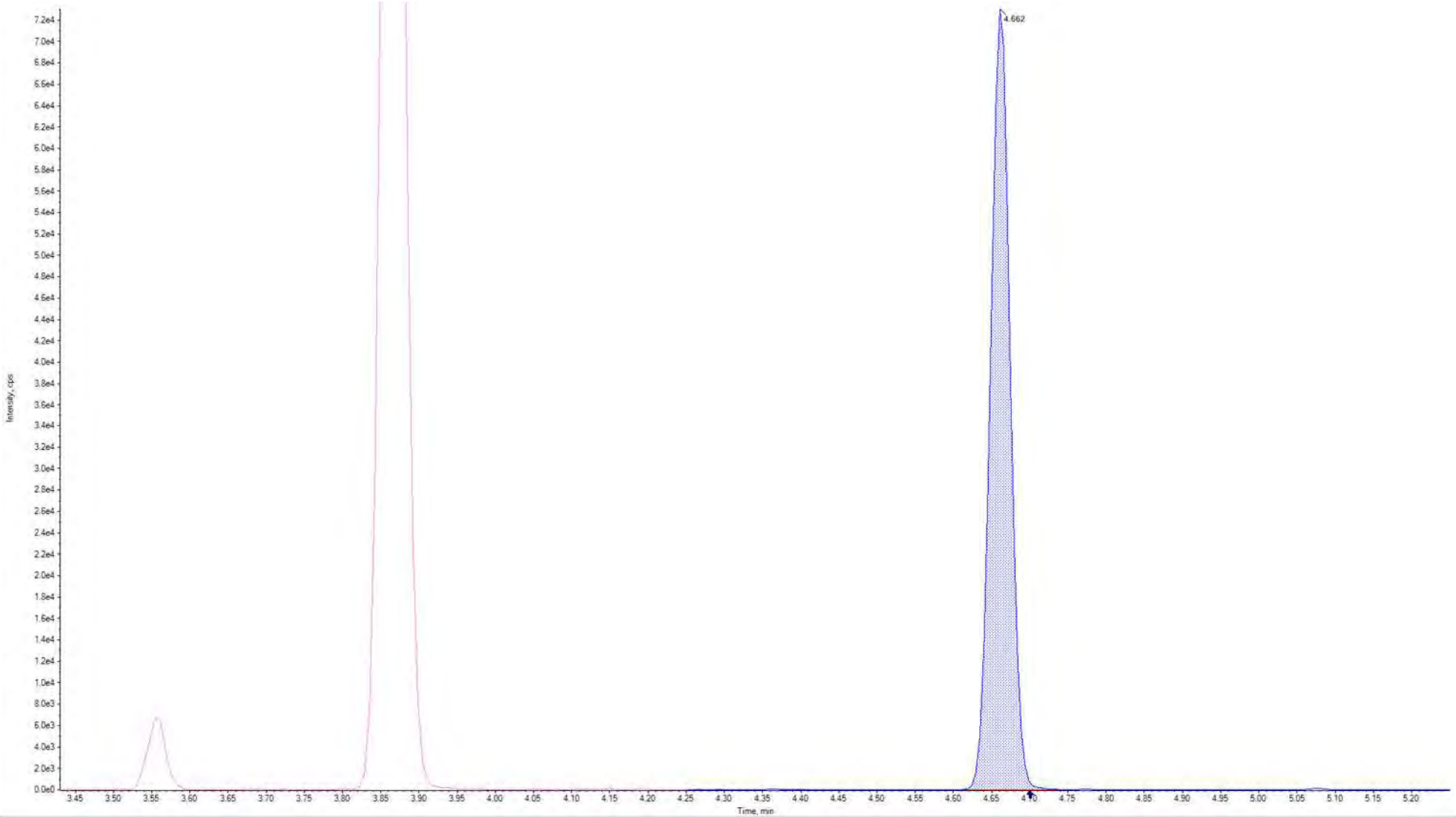
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFDS
Sample: WG2012688-5,1633FMED S/N:9084.7 Points Across peak:27



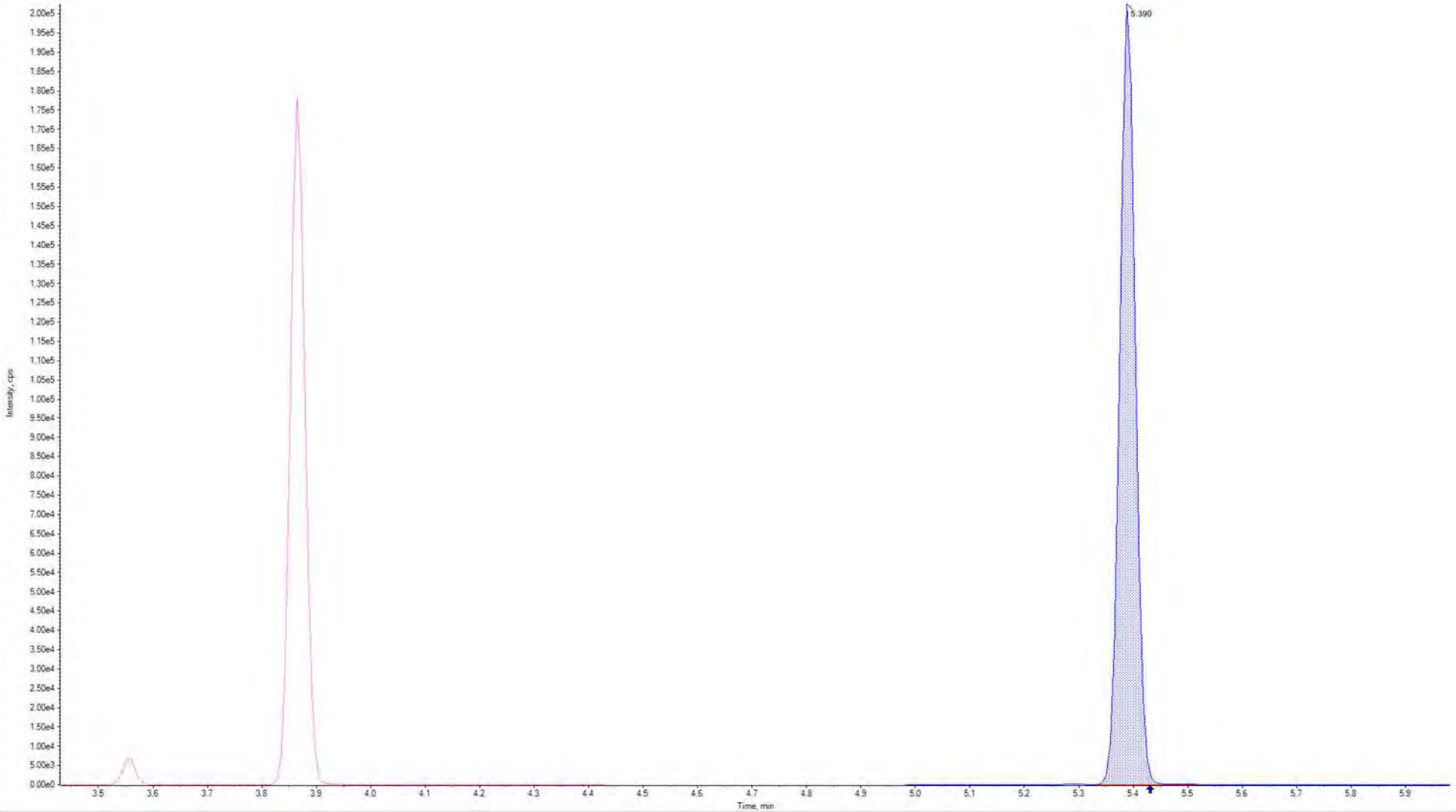
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFDS_2
Sample: WG2012688-5,1633FMED S/N:2562.7 Points Across peak:35



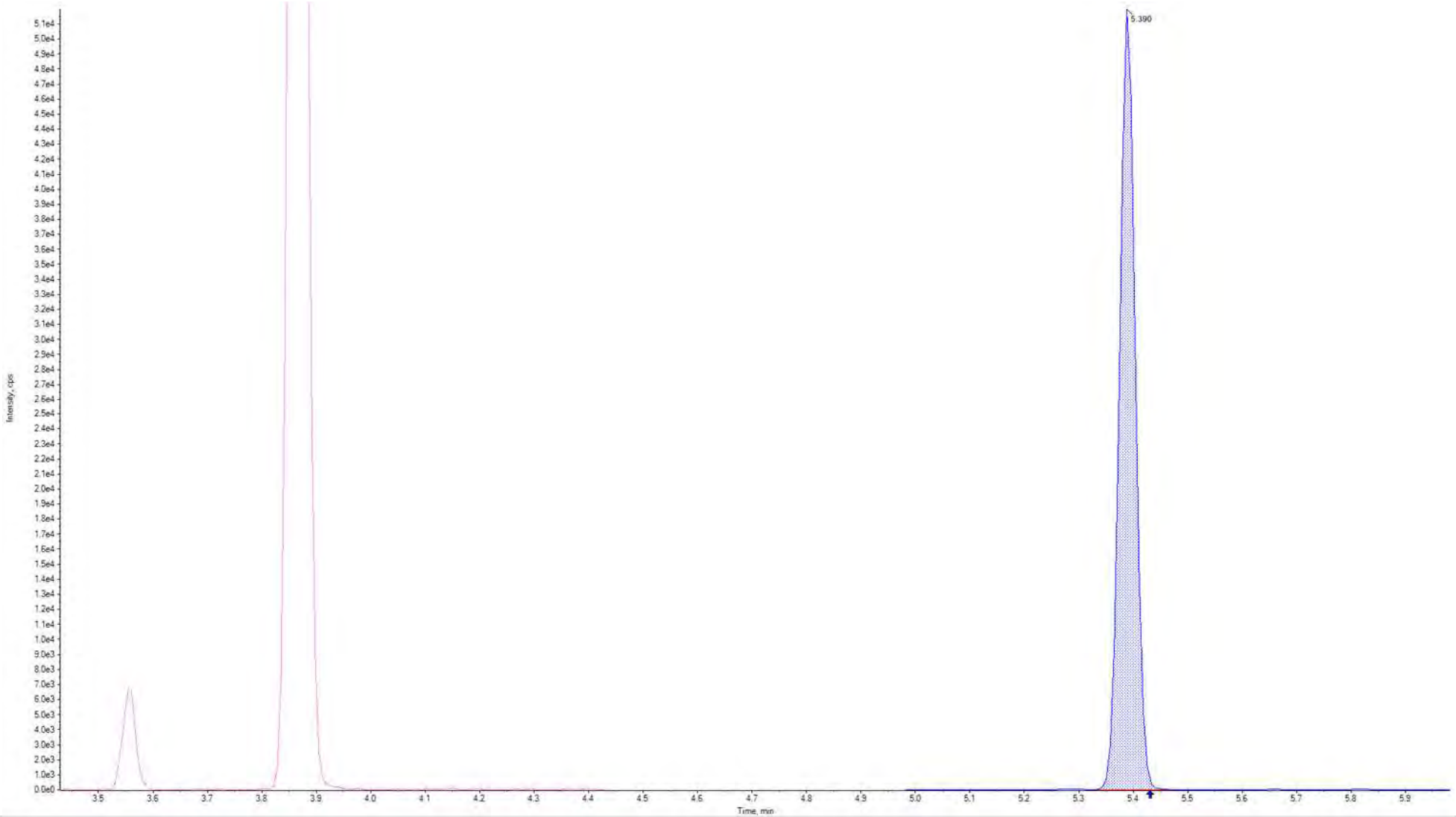
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFDoS
Sample: WG2012688-5,1633FMED S/N:15735.6 Points Across peak:31



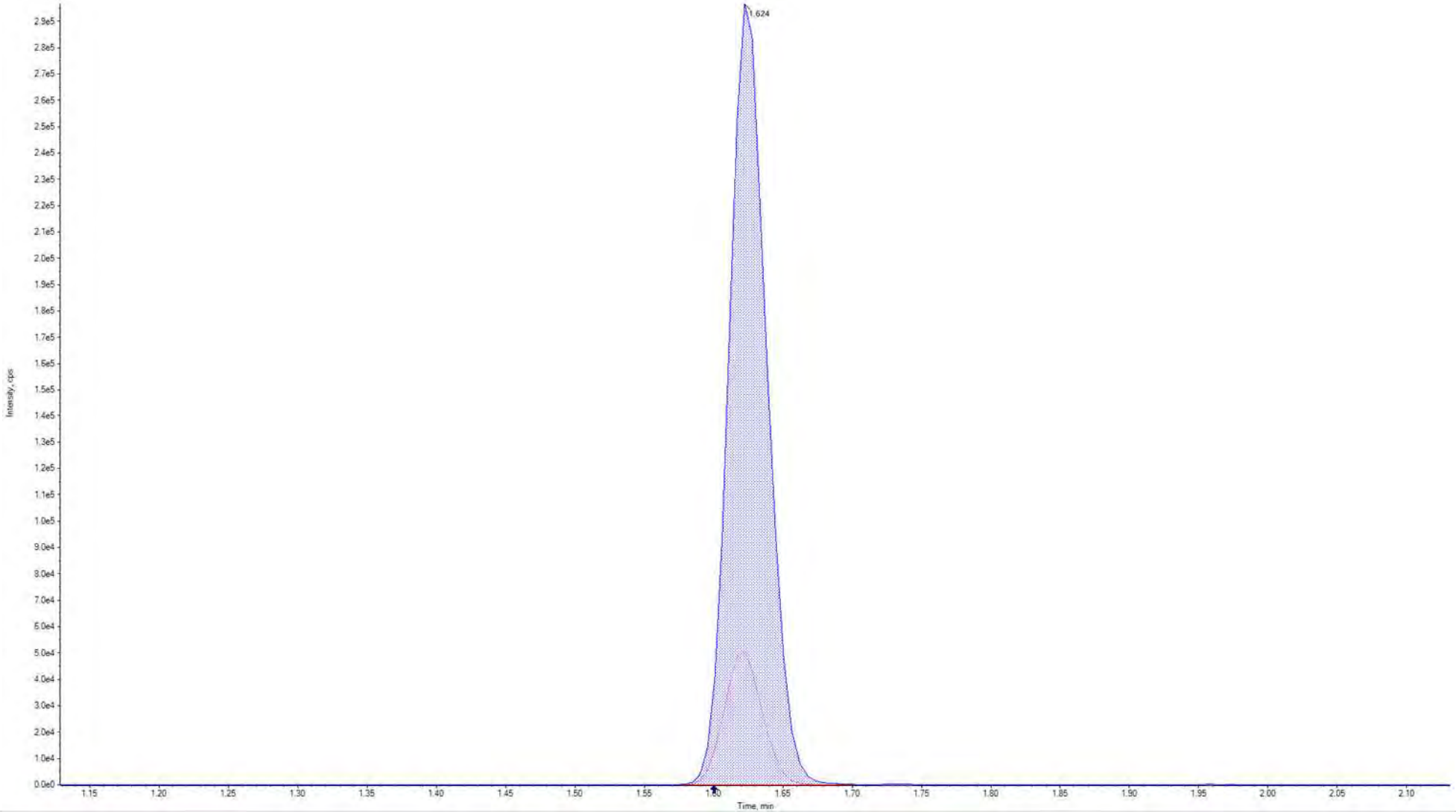
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFDoS_2
Sample: WG2012688-5,1633FMED S/N:2897.6 Points Across peak:22



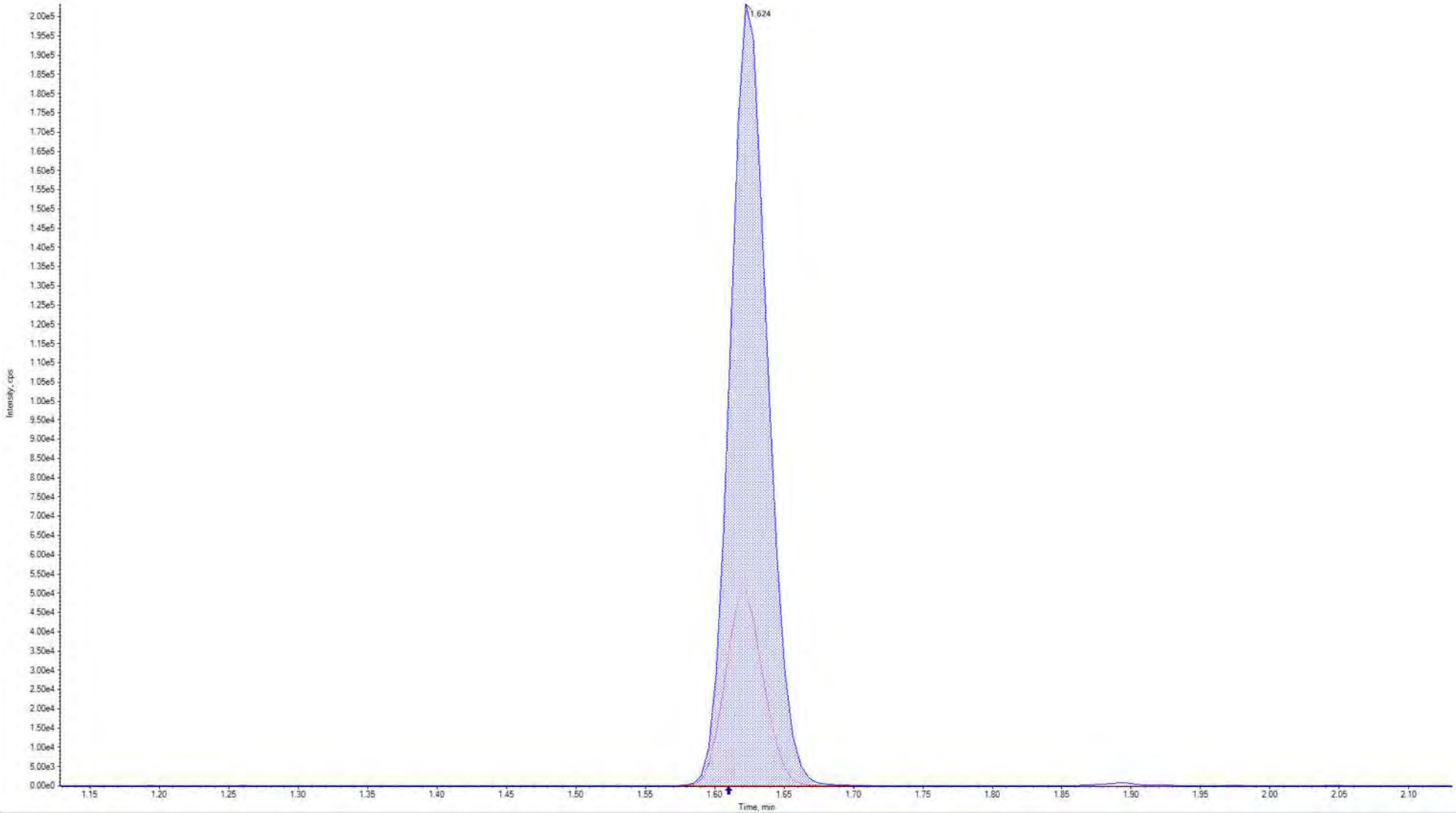
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

4:2FTS
Sample: WG2012688-5,1633FMED S/N:6858.6 Points Across peak:28



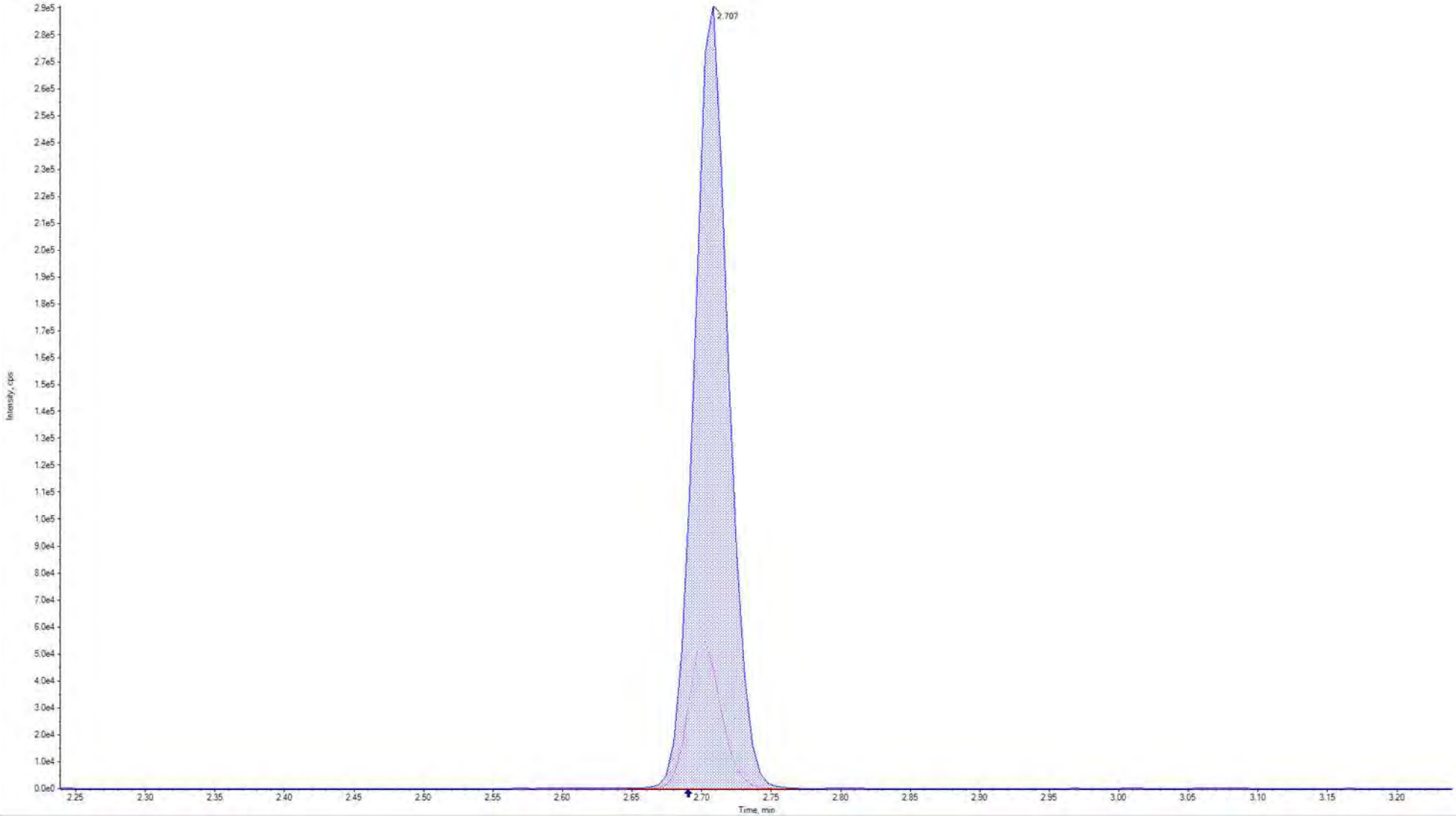
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

4:2FTS_2
Sample: WG2012688-5,1633FMED S/N:6161.7 Points Across peak:31



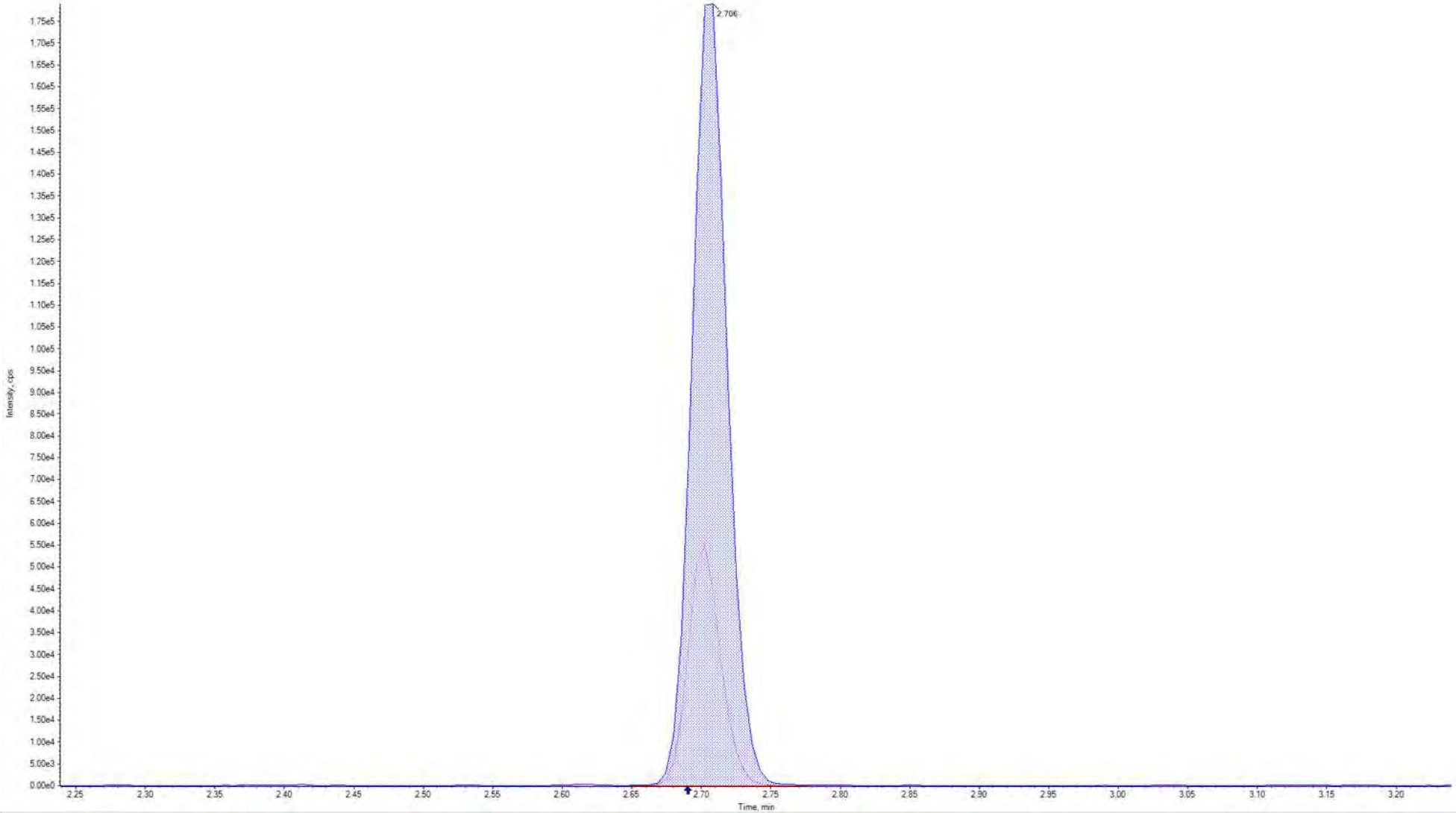
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

6:2FTS
Sample: WG2012688-5,1633FMED S/N:5828.3 Points Across peak:25



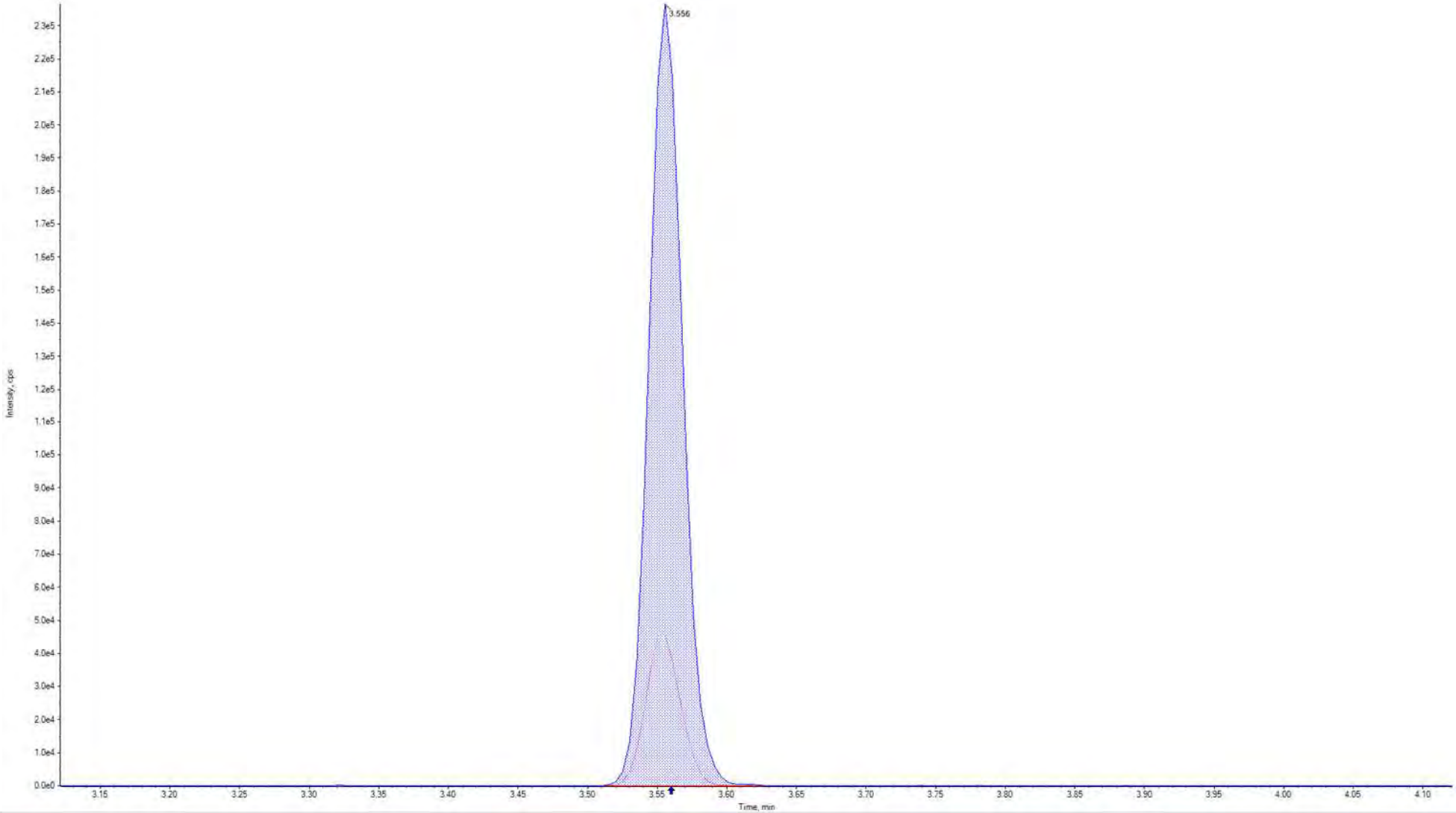
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

6:2FTS_2
Sample: WG2012688-5,1633FMED S/N:3588.0 Points Across peak:25



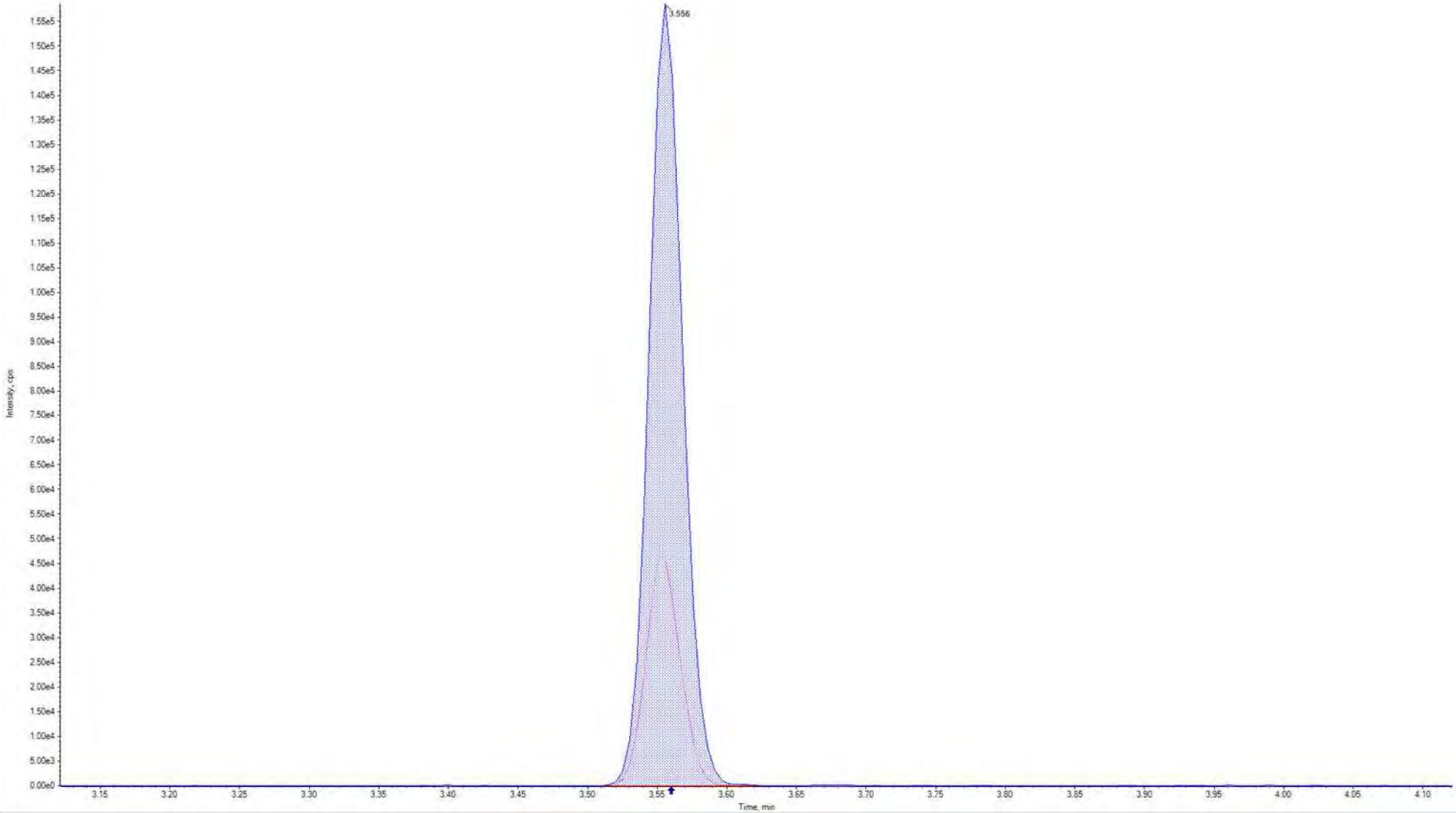
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

8:2FTS
Sample: WG2012688-5,1633FMED S/N:4745.0 Points Across peak:29



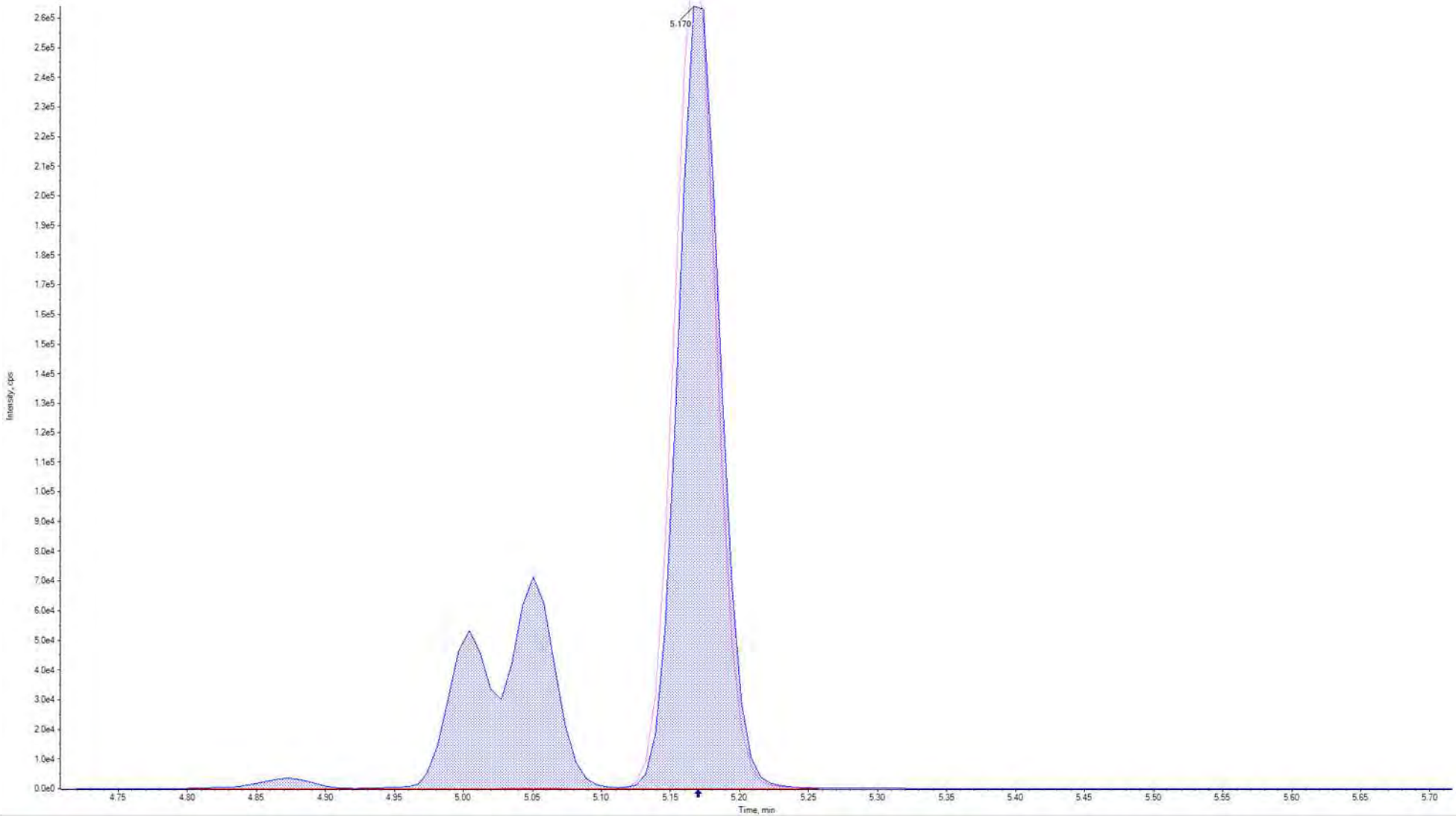
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

8:2FTS_2
Sample: WG2012688-5,1633FMED S/N:3178.9 Points Across peak:29



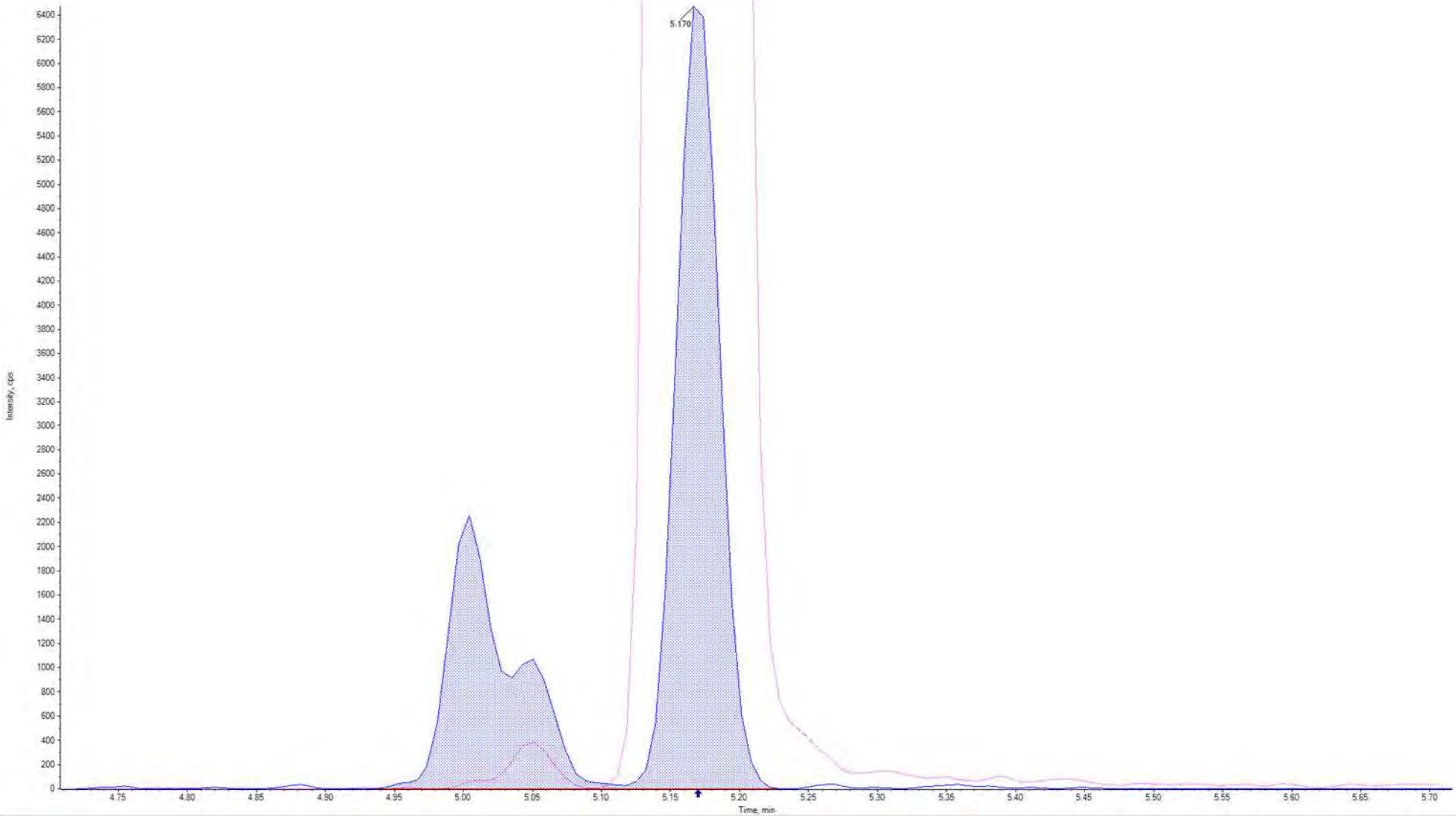
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFOSA
Sample: WG2012688-5,1633FMED S/N:319.6 Points Across peak:72



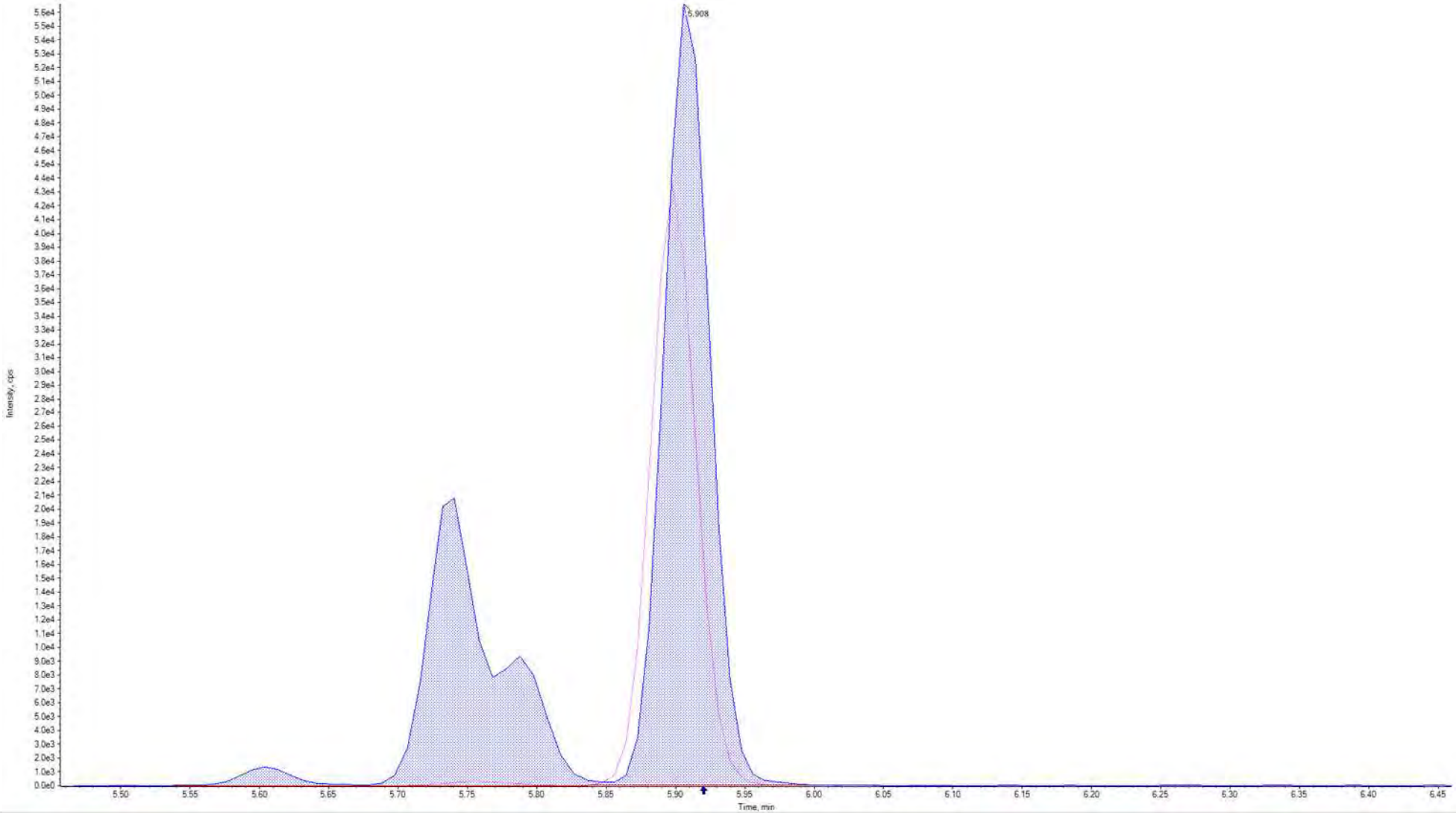
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFOSA_2
Sample: WG2012688-5,1633FMED S/N:310.9 Points Across peak:45



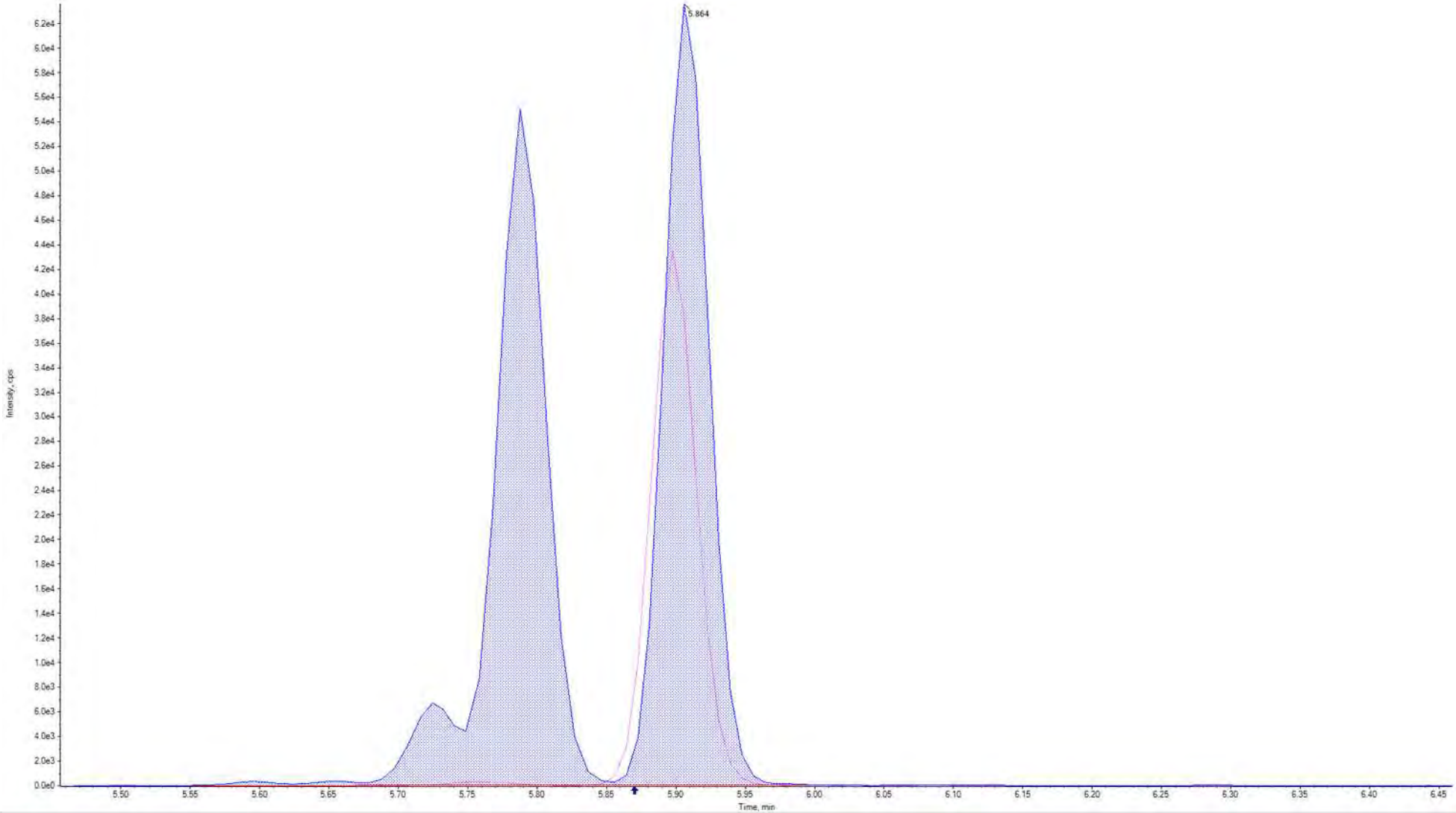
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

NMeFOSA
Sample: WG2012688-5,1633FMED S/N:352.5 Points Across peak:56



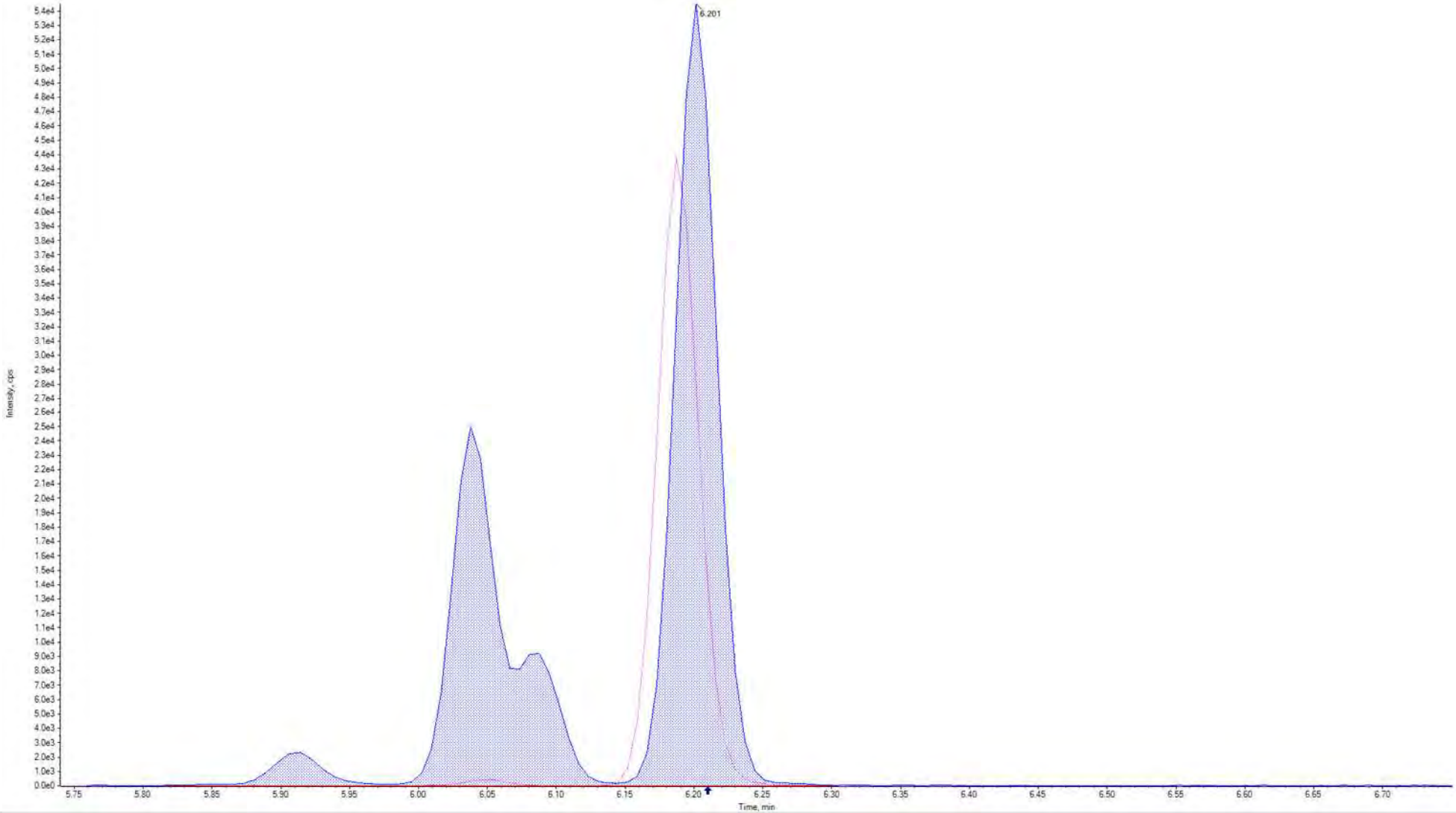
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

NMeFOSA_2
Sample: WG2012688-5,1633FMED S/N:303.2 Points Across peak:54



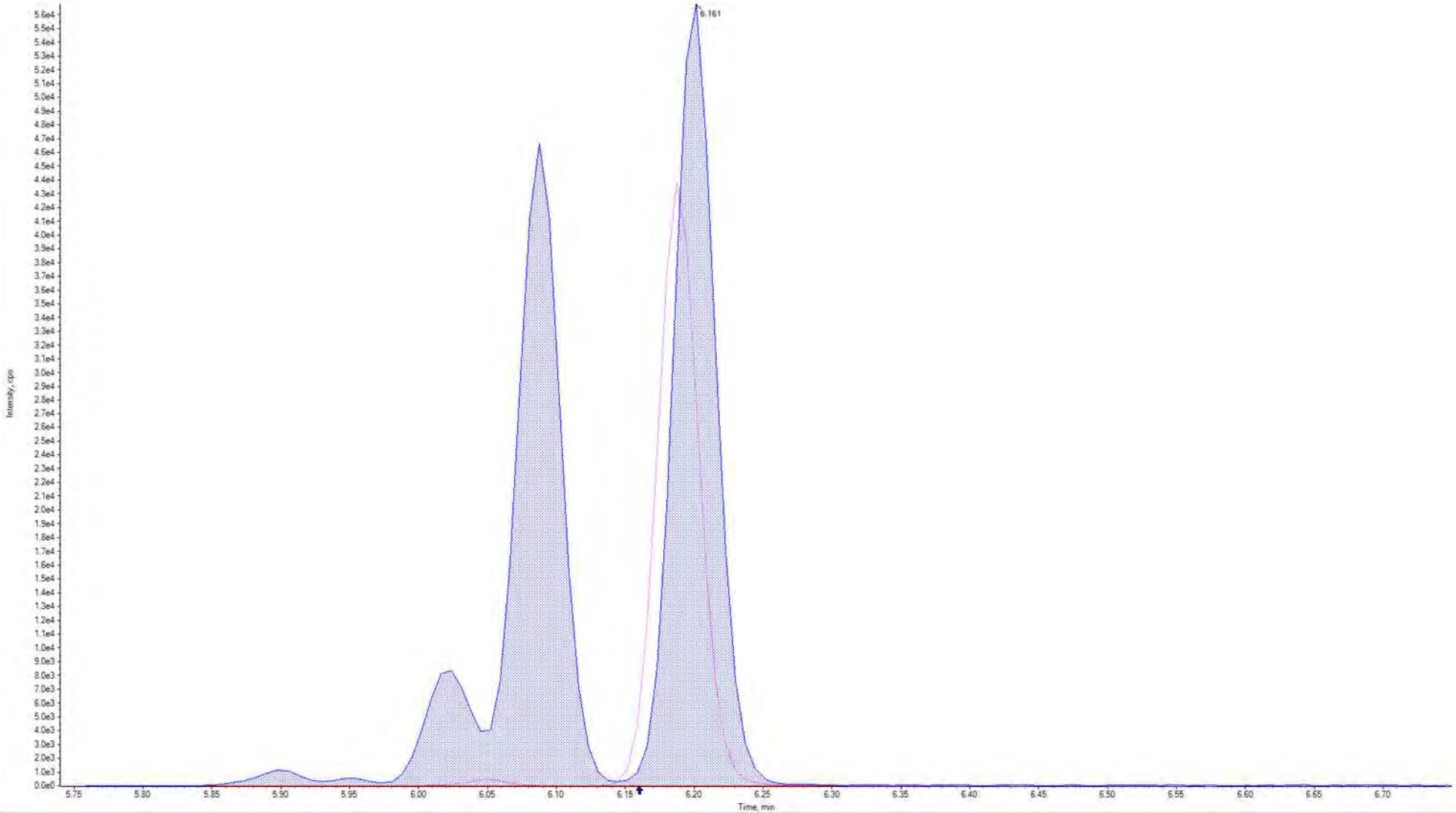
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

NEtFOSA
Sample: WG2012688-5,1633FMED S/N:1020.8 Points Across peak:68



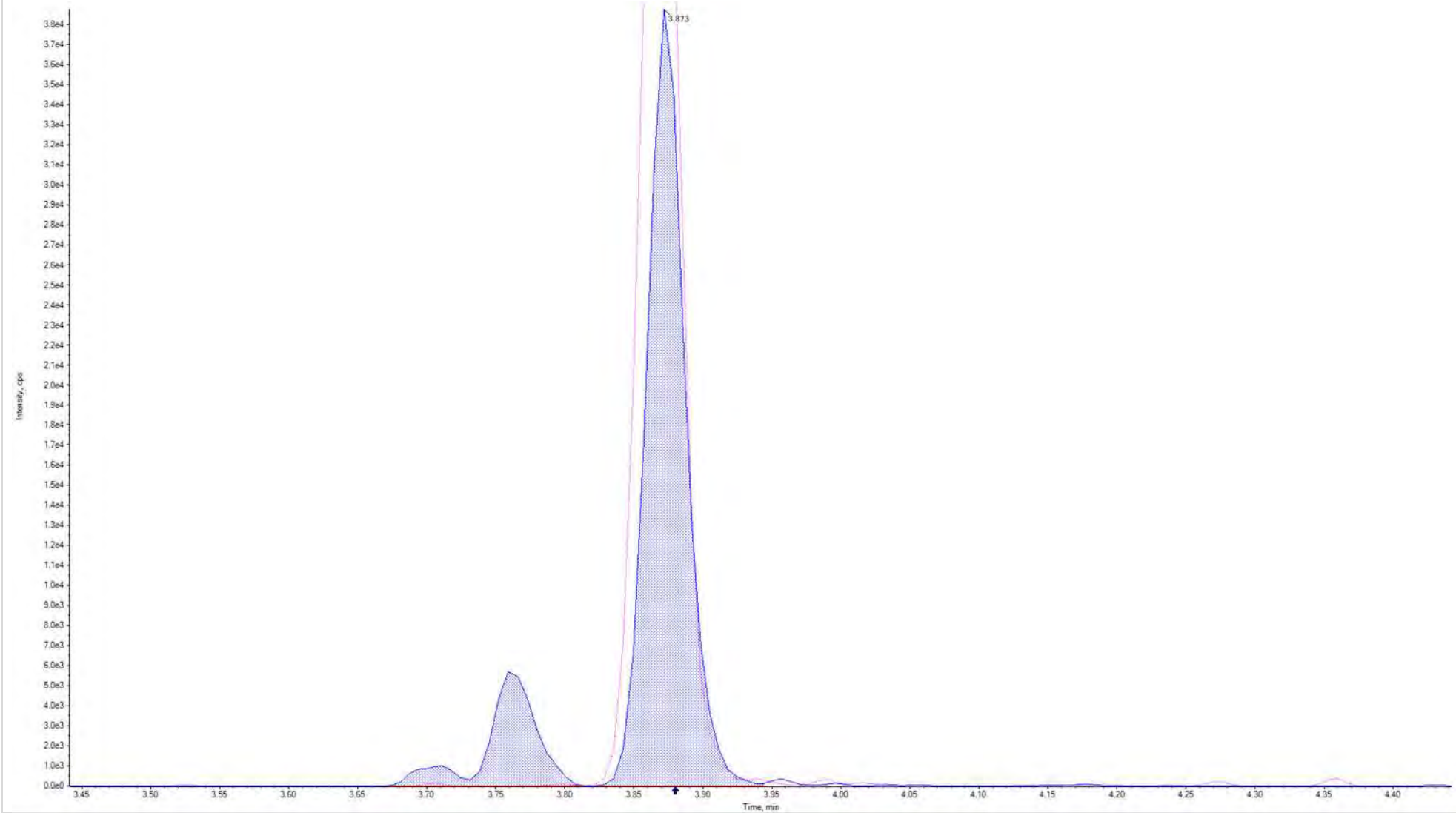
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

NEtFOSA_2
Sample: WG2012688-5,1633FMED S/N:729.2 Points Across peak:70



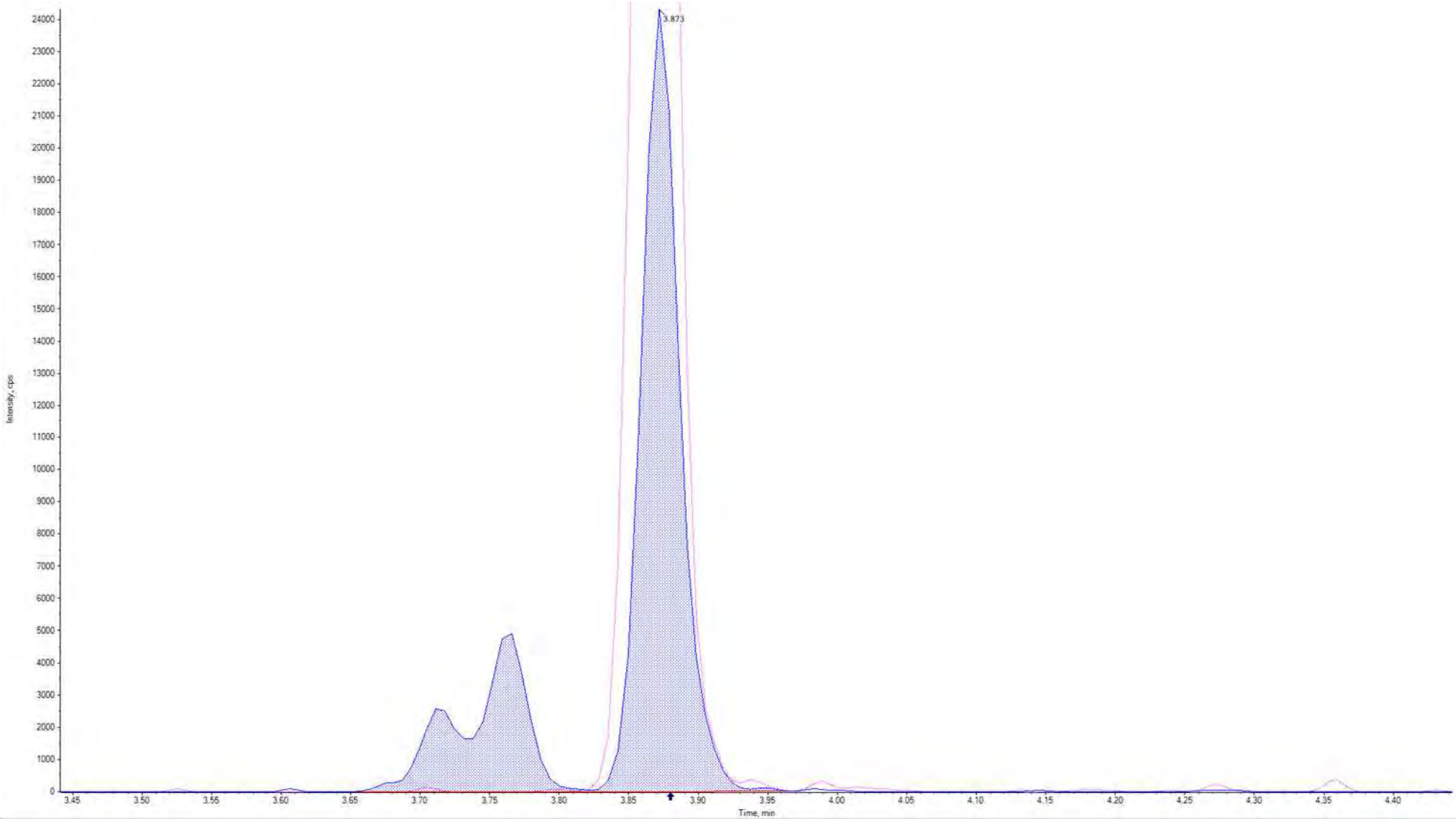
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

NMeFOSAA
Sample: WG2012688-5,1633FMED S/N:664.5 Points Across peak:42



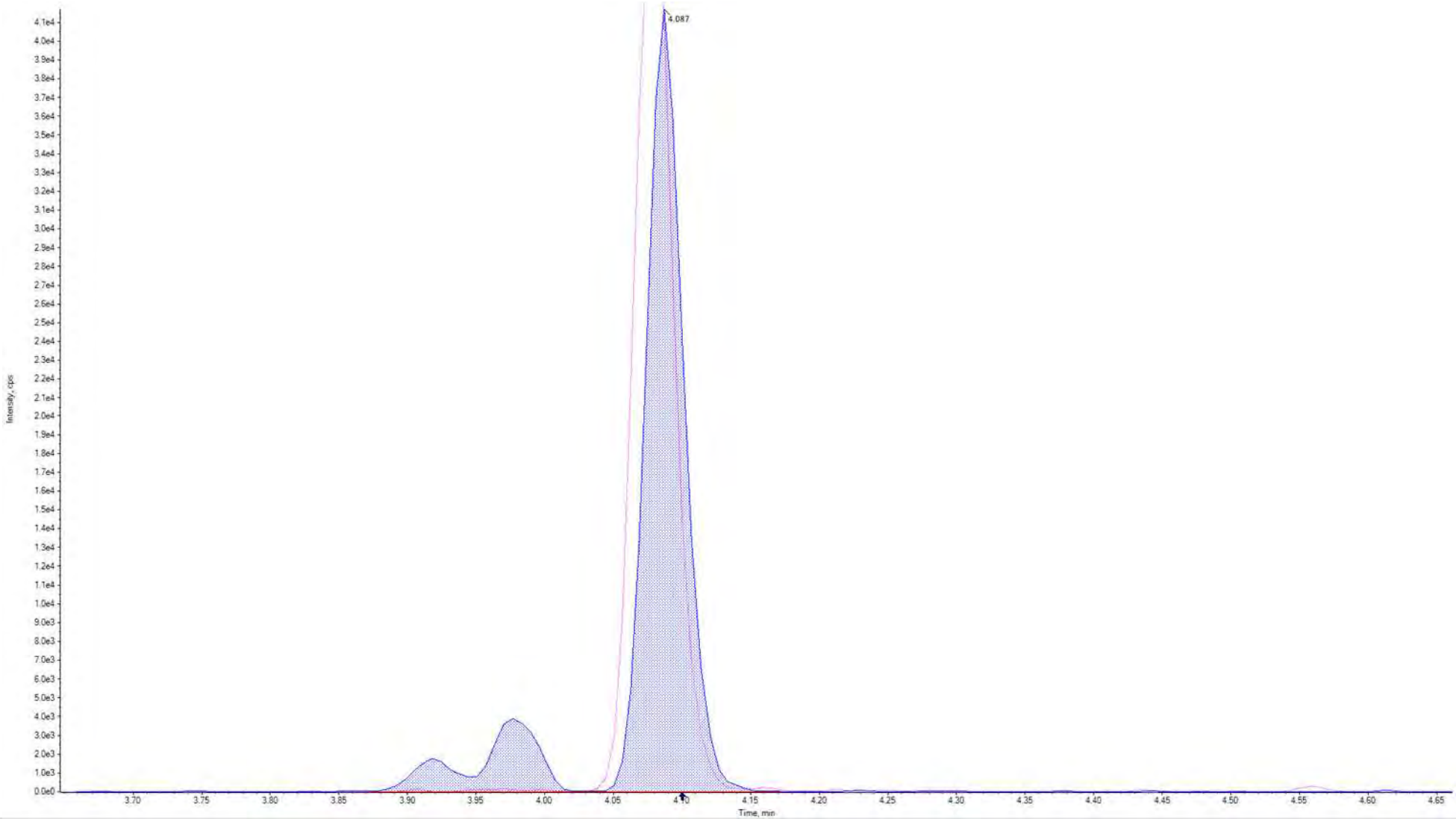
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

NMeFOSAA_2
Sample: WG2012688-5,1633FMED S/N:487.4 Points Across peak:51



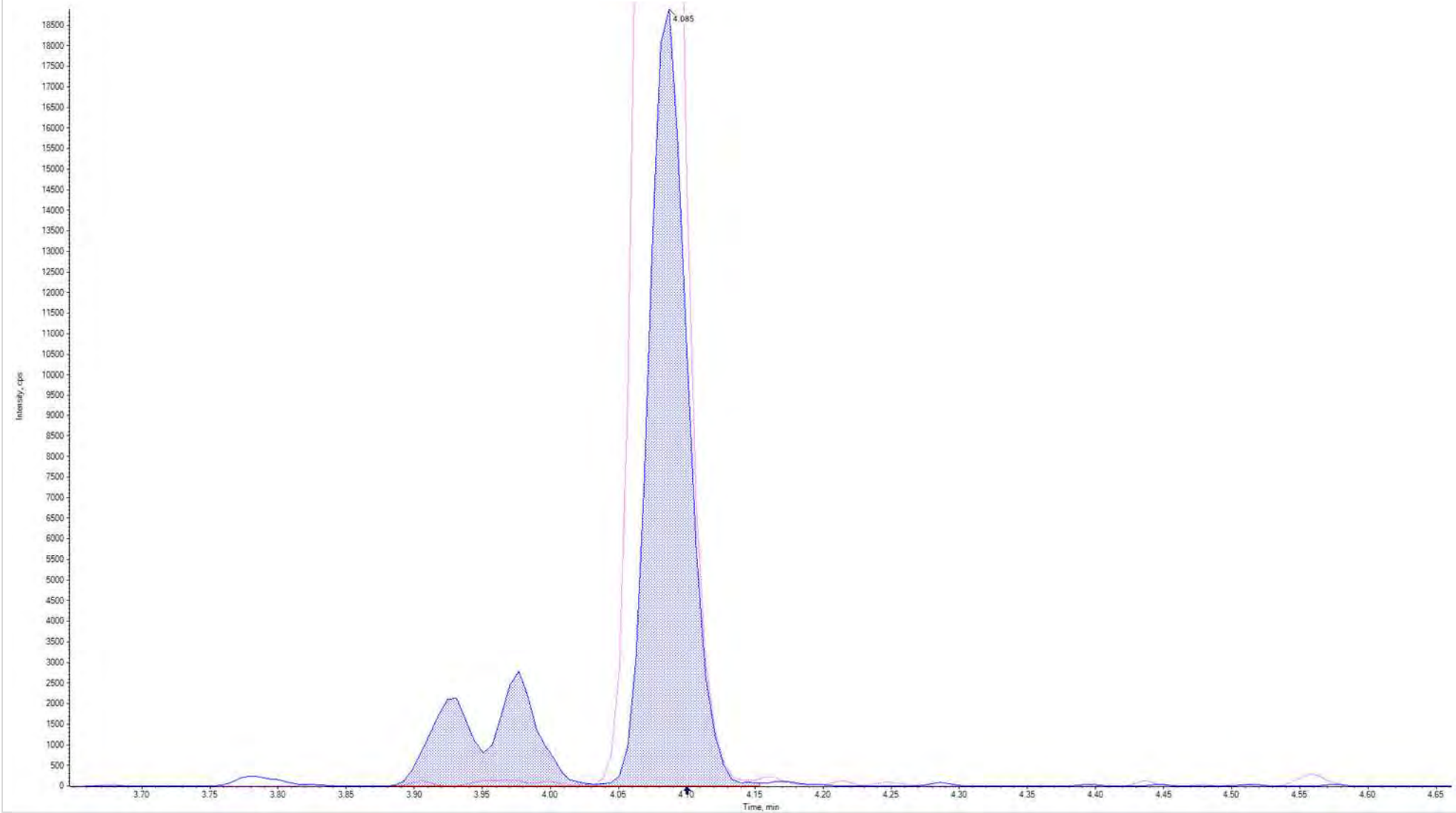
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

NEtFOSAA
Sample: WG2012688-5,1633FMED S/N:940.8 Points Across peak:50



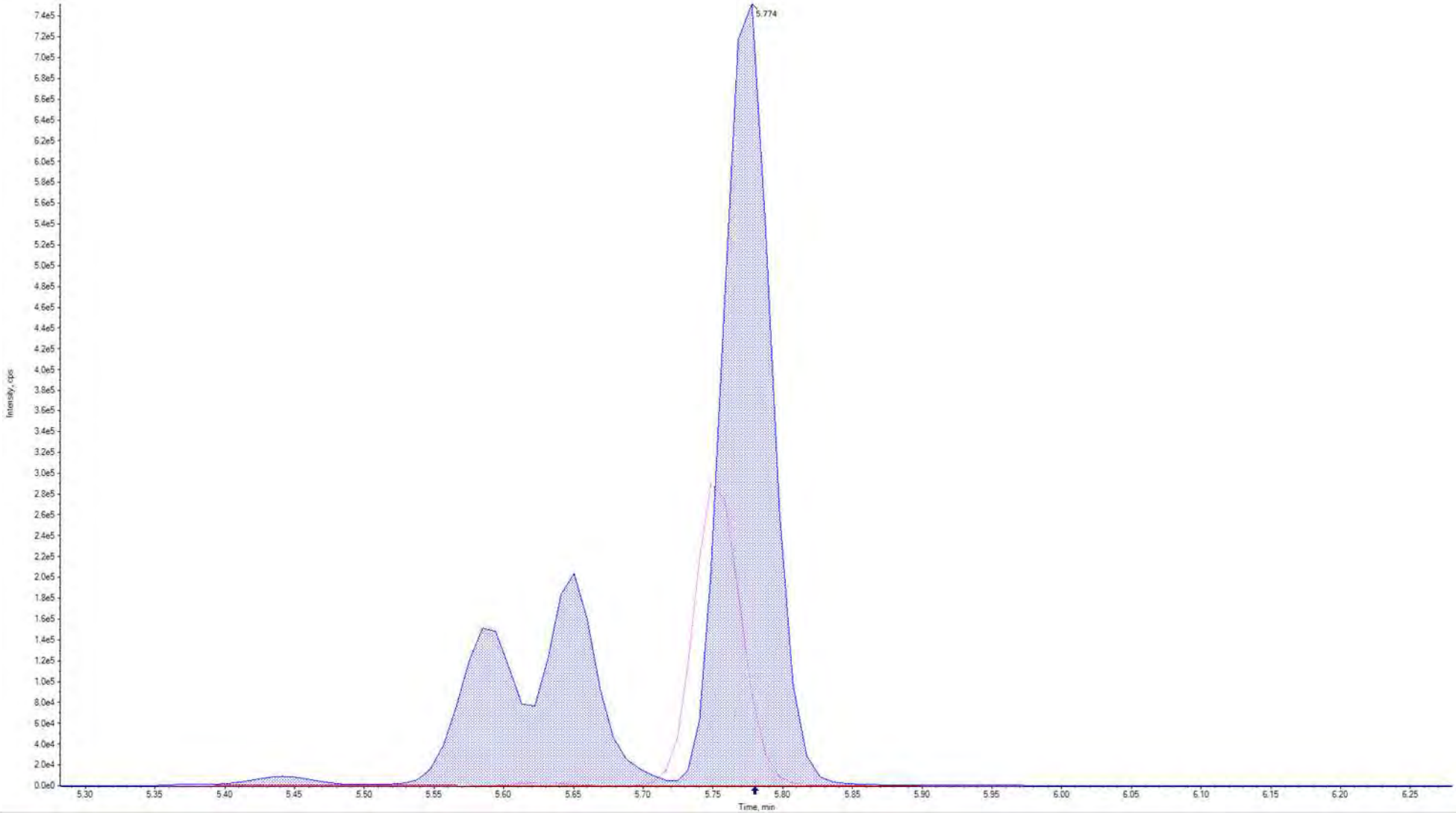
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

NEtFOSAA_2
Sample: WG2012688-5,1633FMED S/N:426.2 Points Across peak:45



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

NMeFOSE
Sample: WG2012688-5,1633FMED S/N:238.9 Points Across peak:59



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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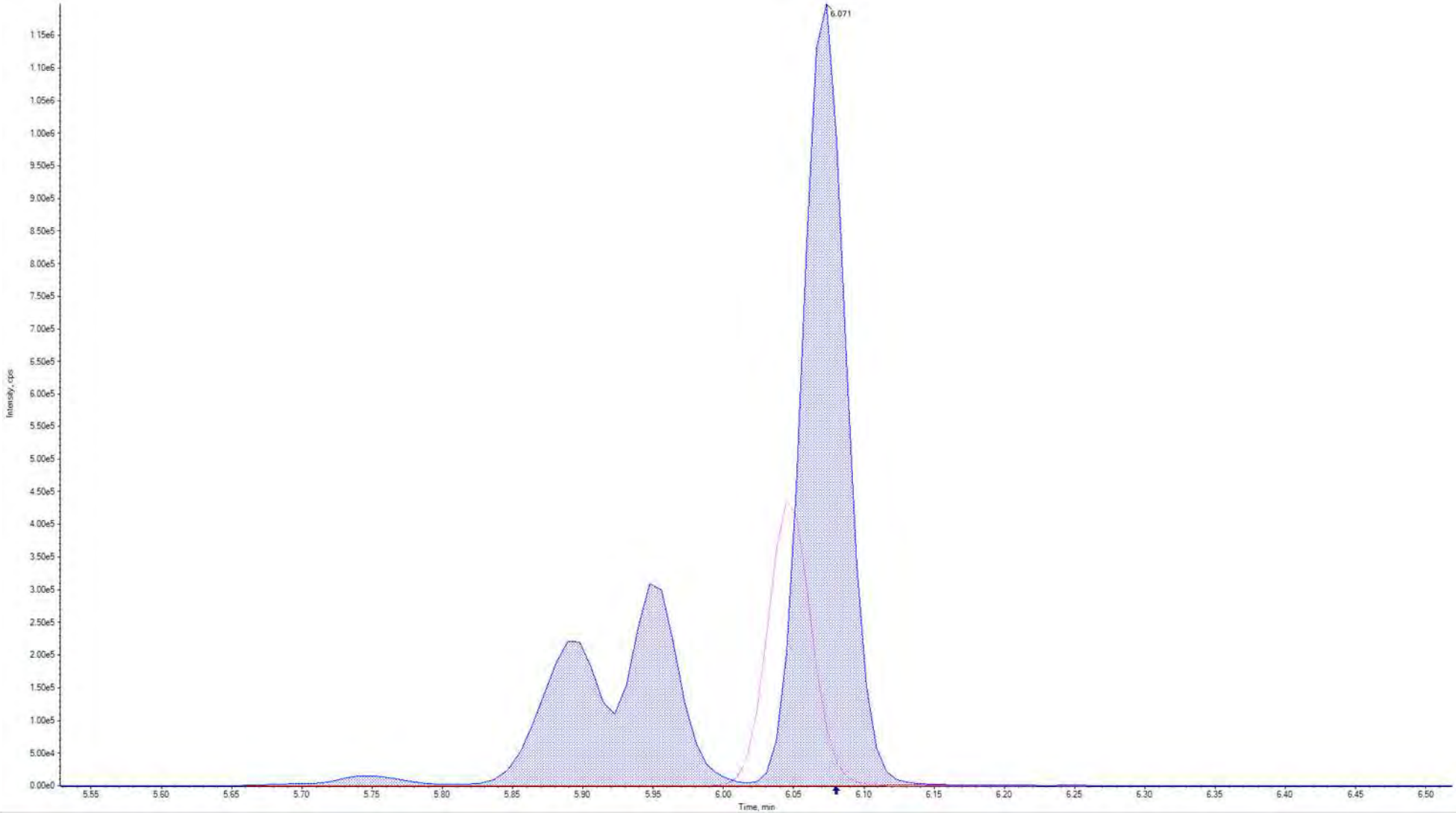
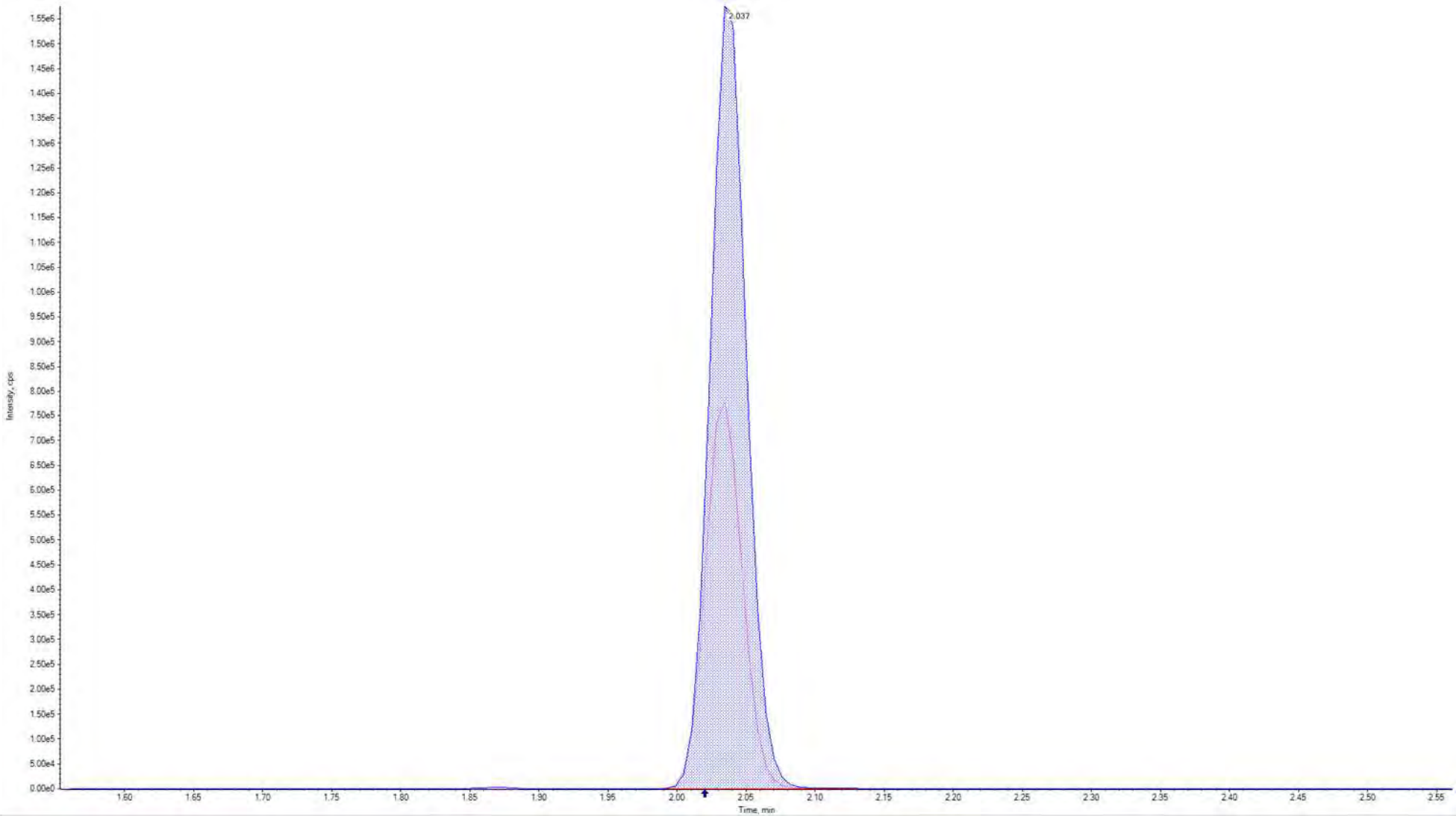
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

NEtFOSE
Sample: WG2012688-5,1633FMED S/N:319.1 Points Across peak:70



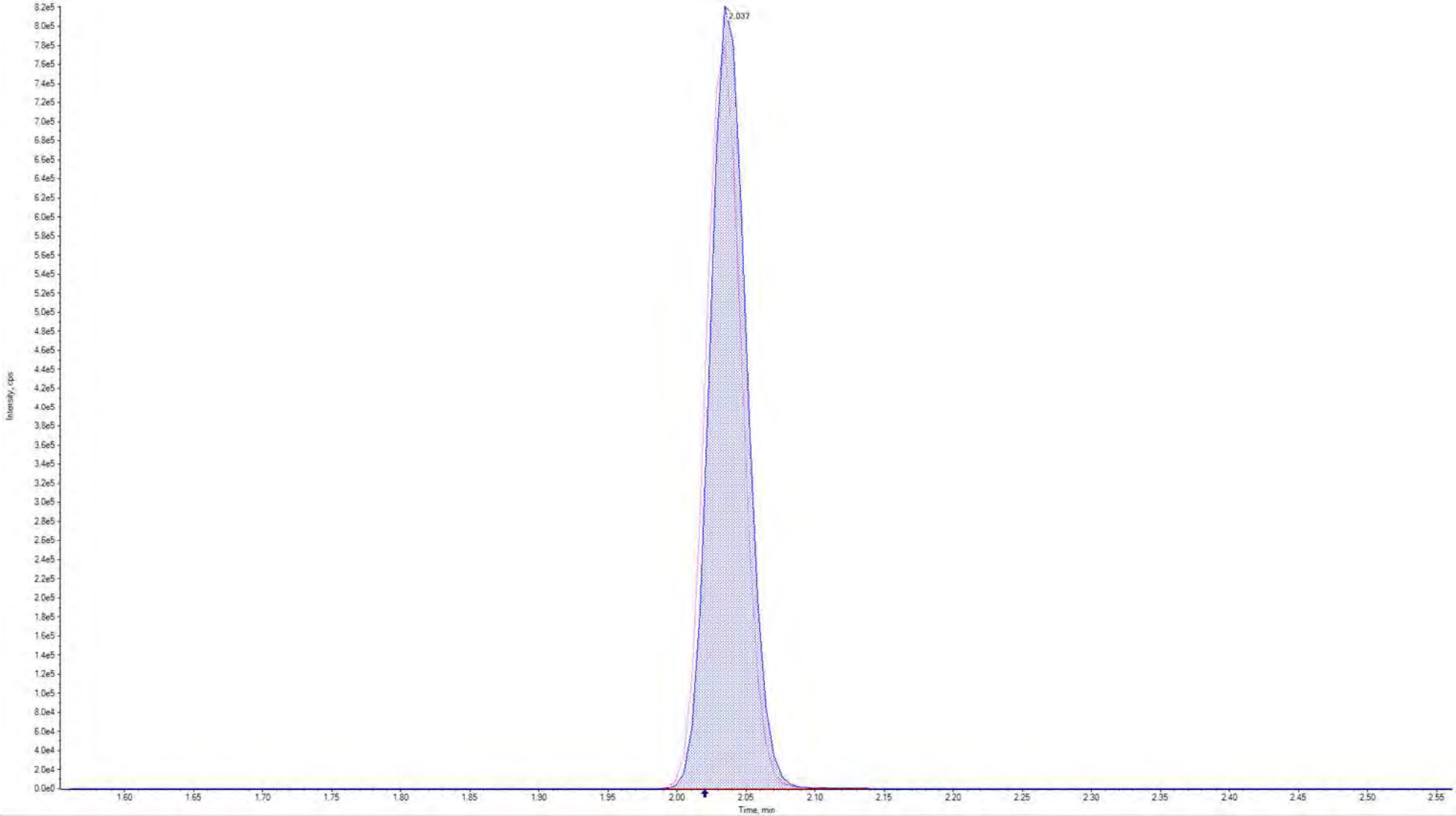
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

HFPO-DA
Sample: WG2012688-5,1633FMED S/N:5941.9 Points Across peak:32



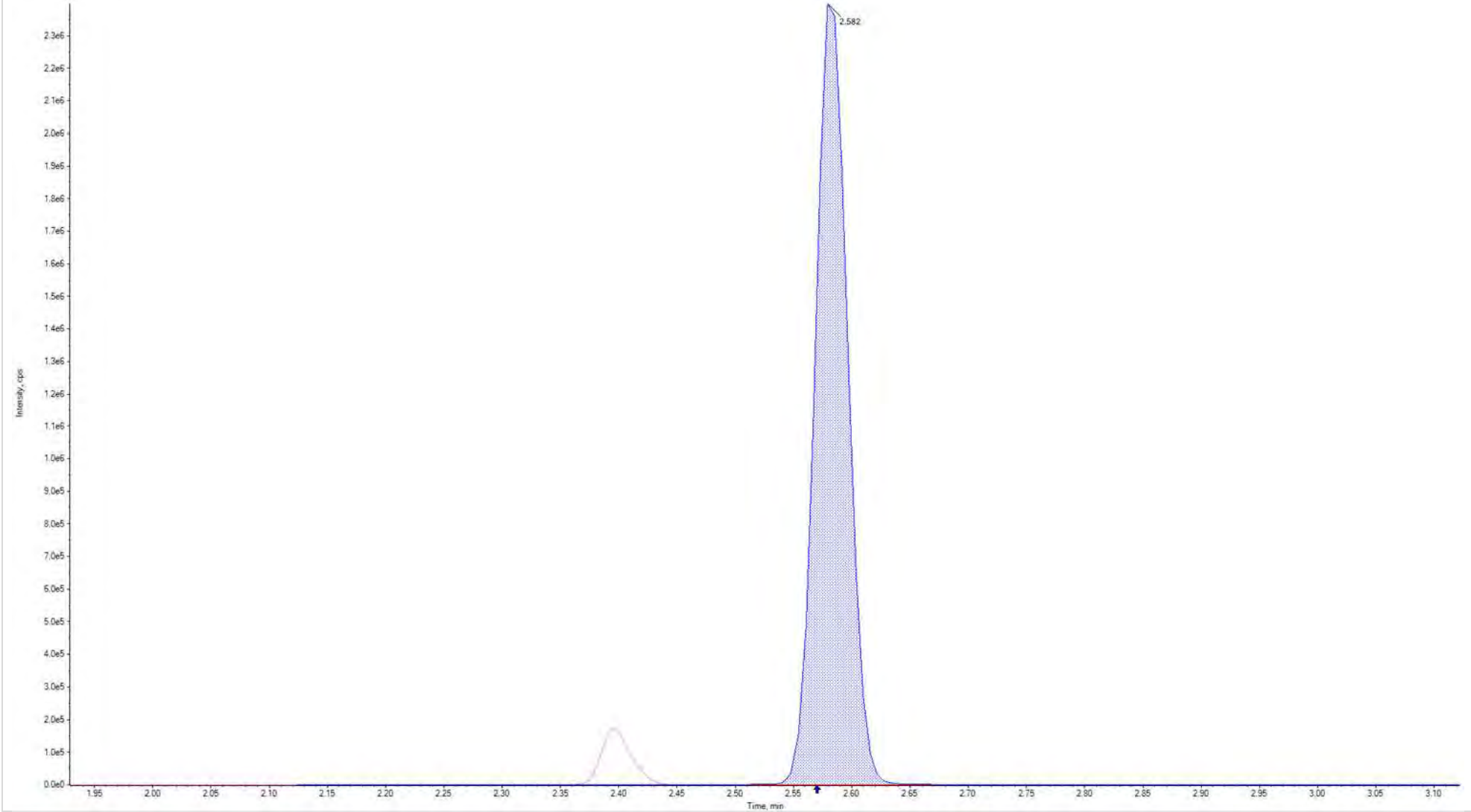
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

HFPO-DA_2
Sample: WG2012688-5,1633FMED S/N:18524.5 Points Across peak:39



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

ADONA
Sample: WG2012688-5,1633FMED S/N:8619.9 Points Across peak:38



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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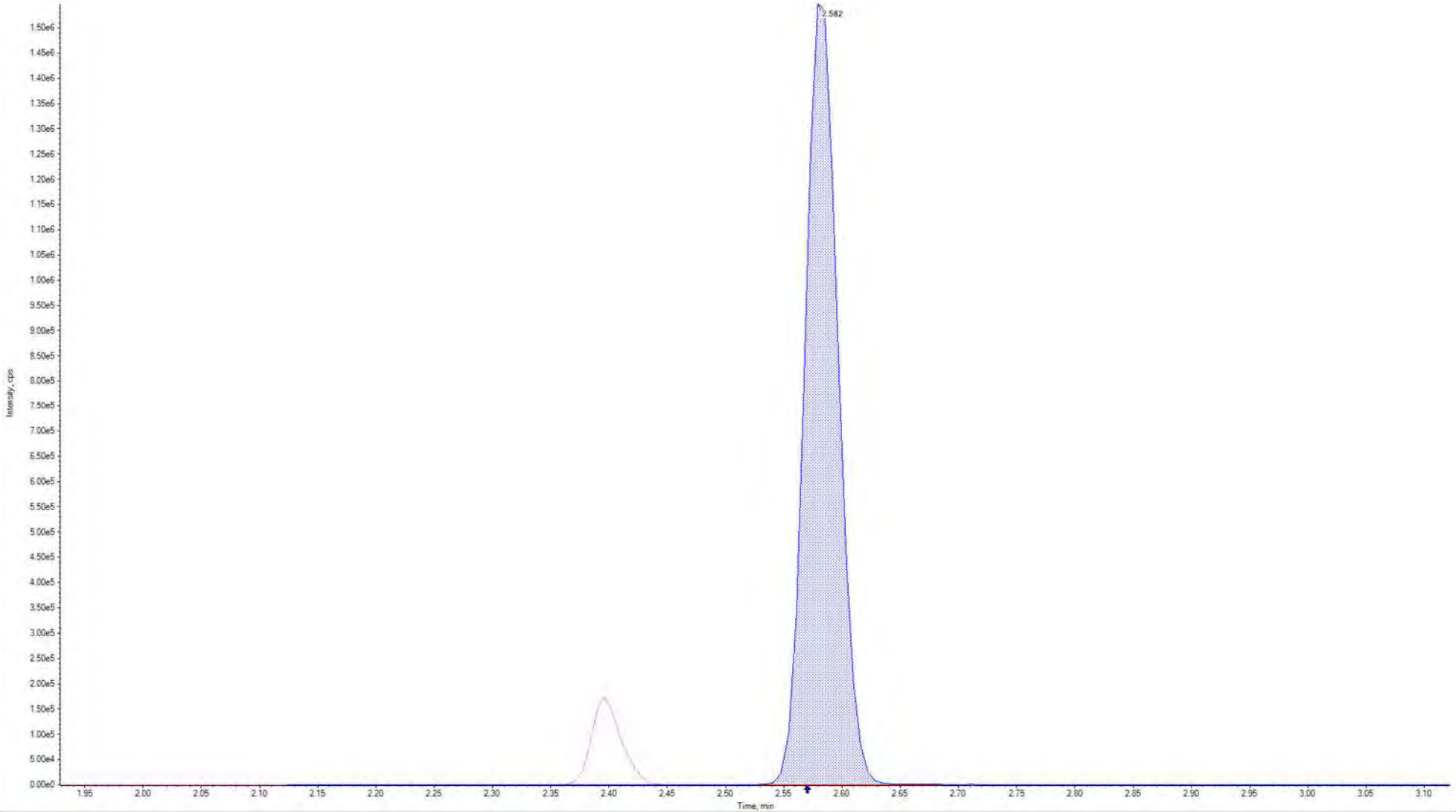
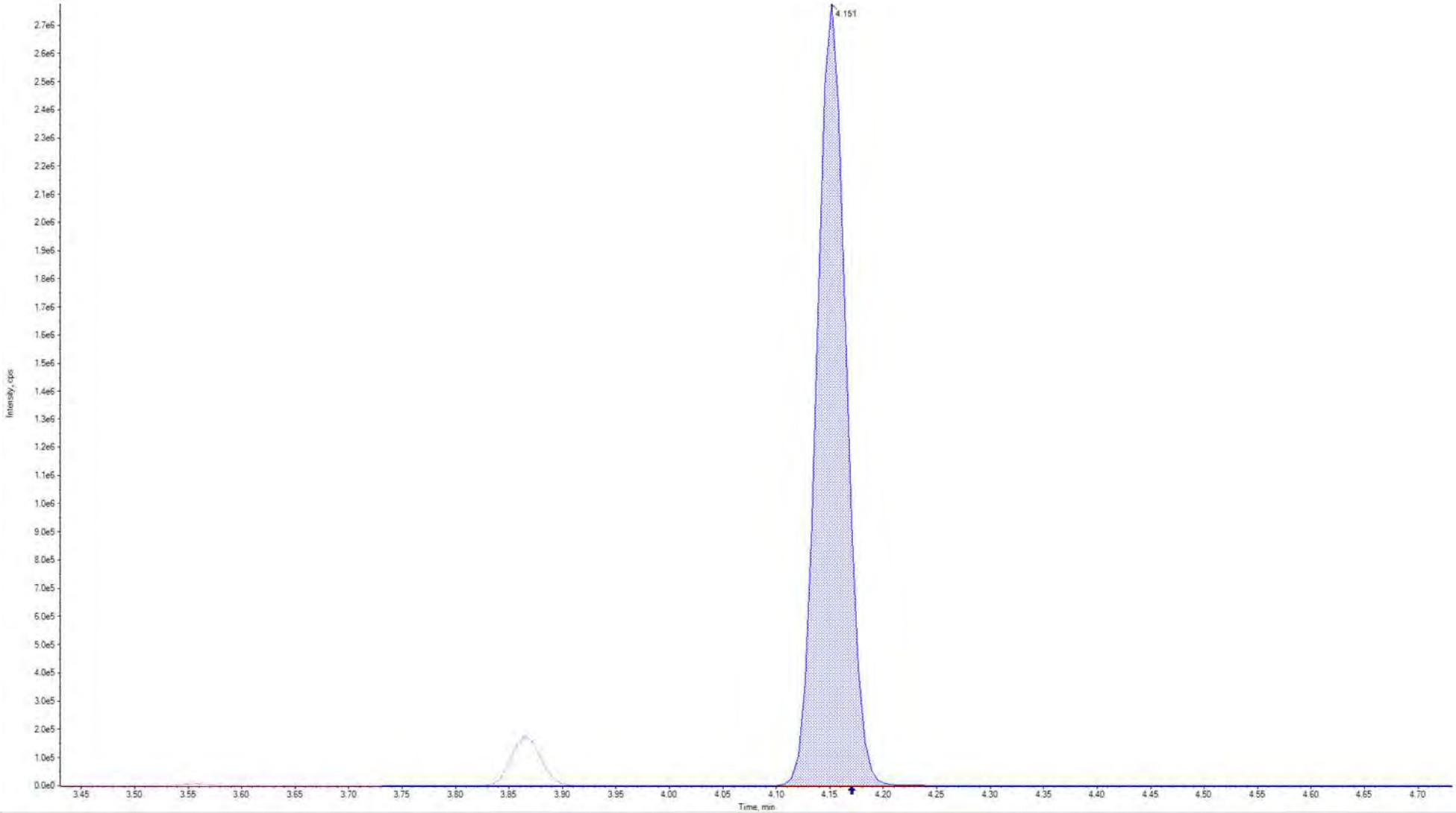
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

ADONA_2
Sample: WG2012688-5,1633FMED S/N:8402.2 Points Across peak:35



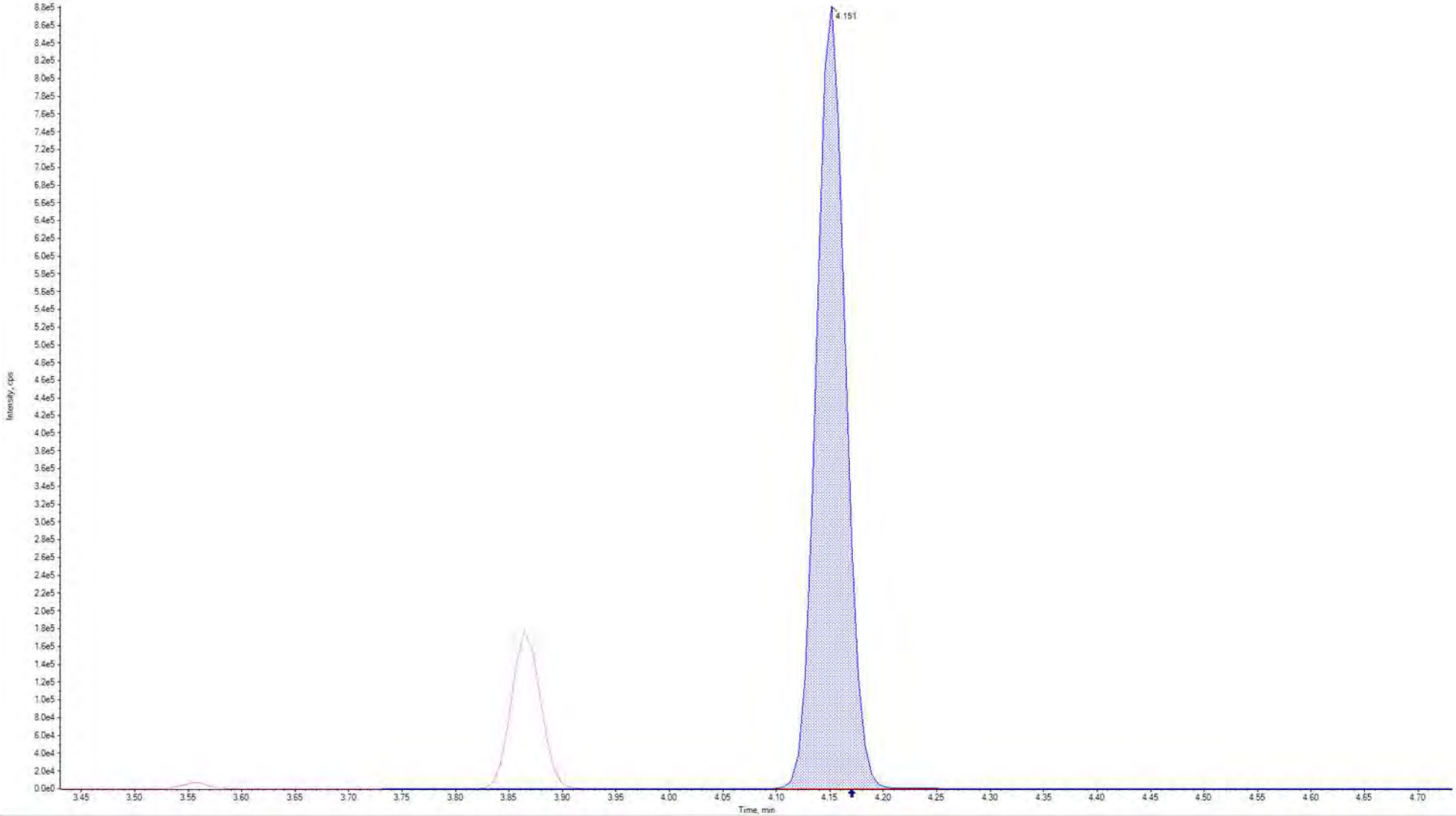
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

9Cl-PF3ONS
Sample: WG2012688-5,1633FMED S/N:8077.7 Points Across peak:29



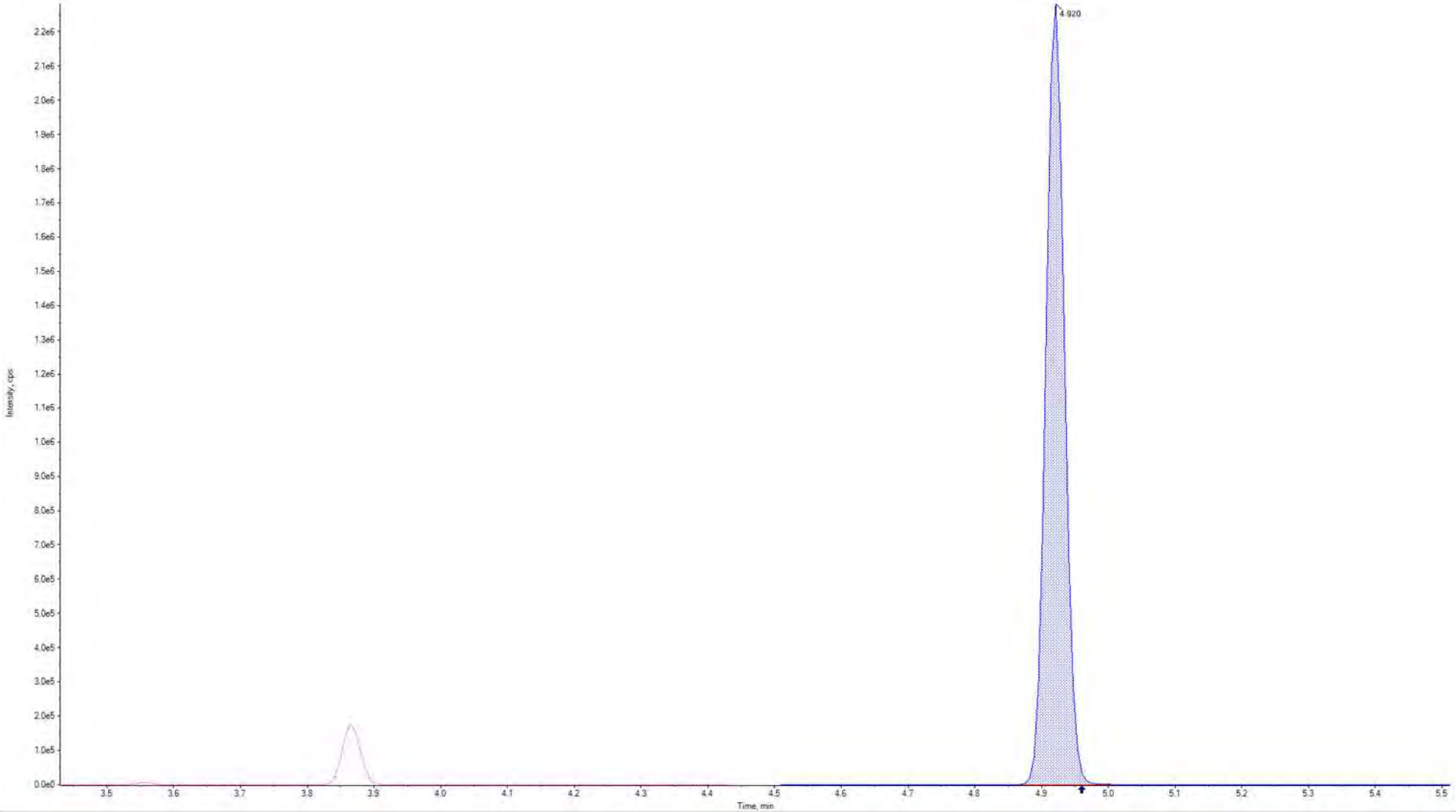
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

9Cl-PF3ONS_2
Sample: WG2012688-5,1633FMED S/N:7236.0 Points Across peak:31



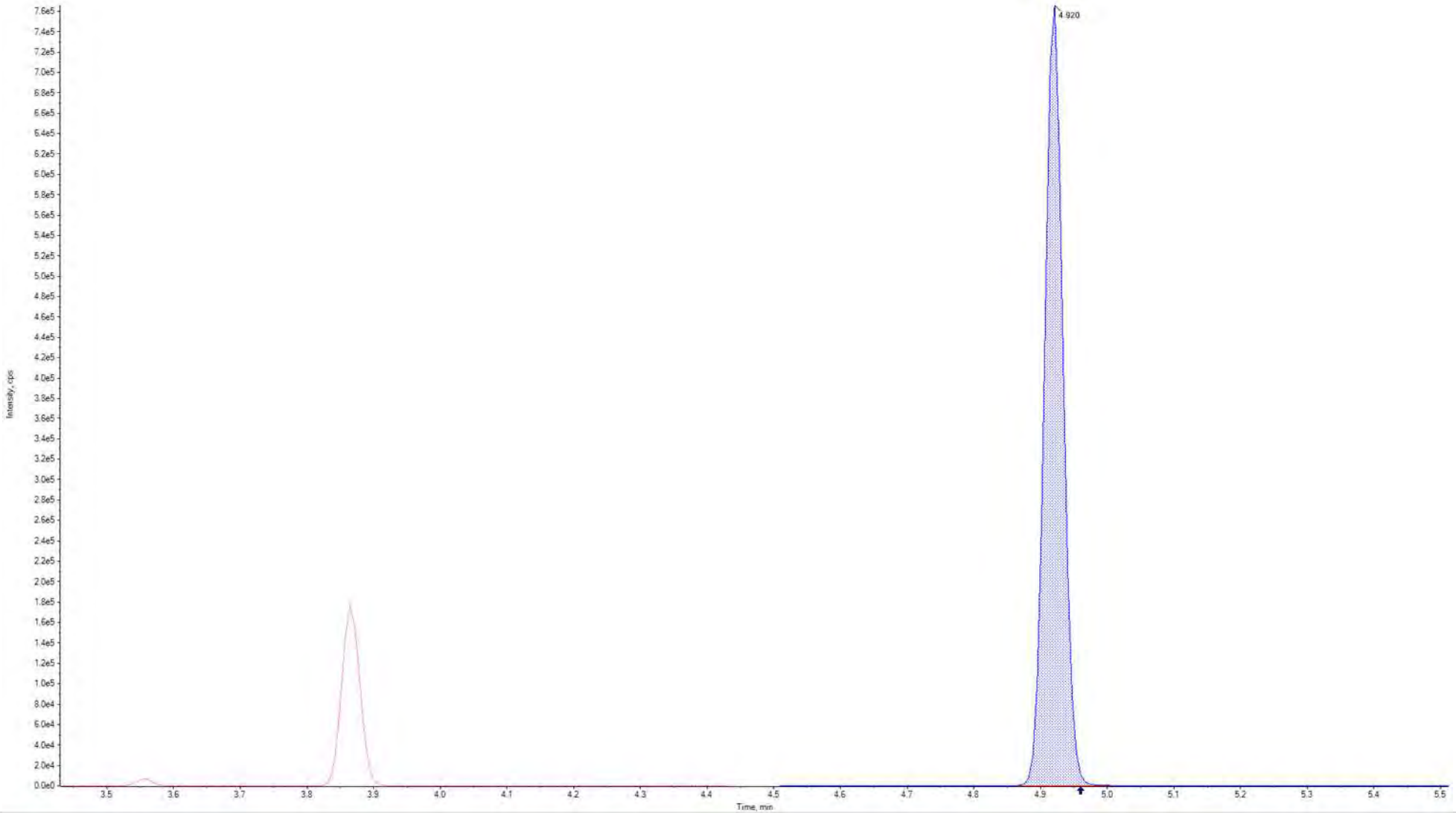
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

11Cl-PF3OUdS
Sample: WG2012688-5,1633FMED S/N:8687.6 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

11Cl-PF3OUdS_2
Sample: WG2012688-5,1633FMED S/N:9051.1 Points Across peak:35



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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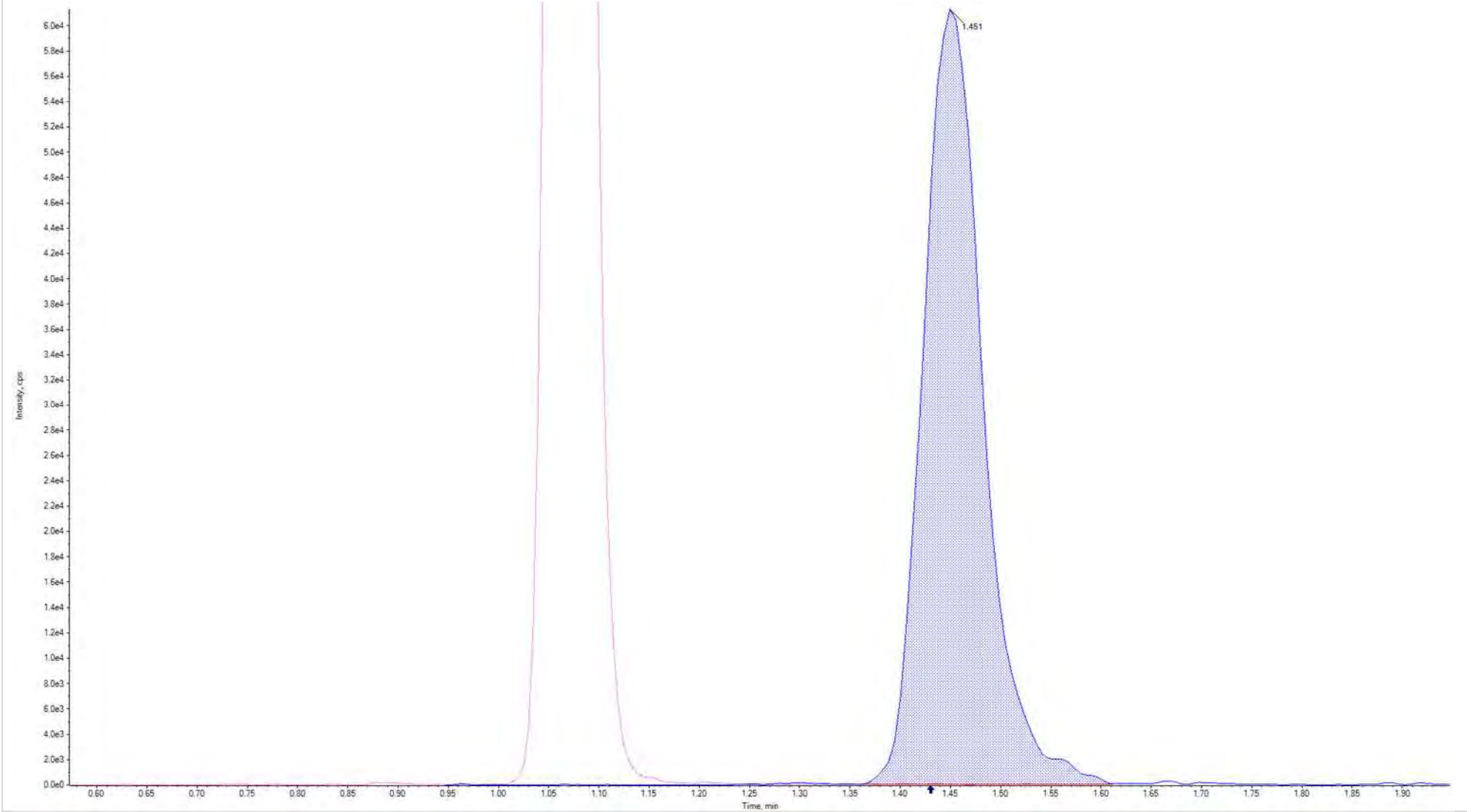
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

3:3FTCA
Sample: WG2012688-5,1633FMED S/N:1535.8 Points Across peak:46



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
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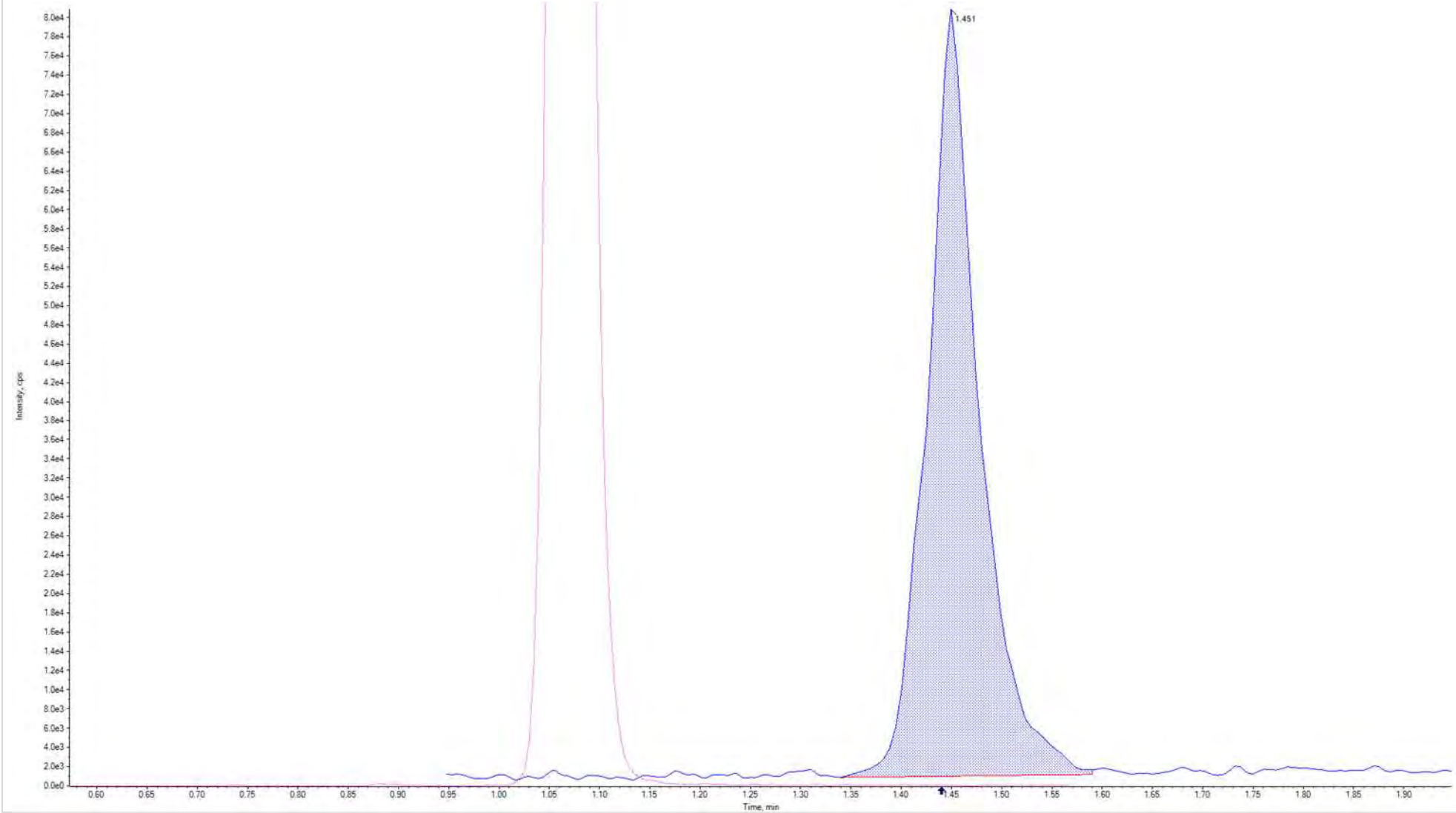
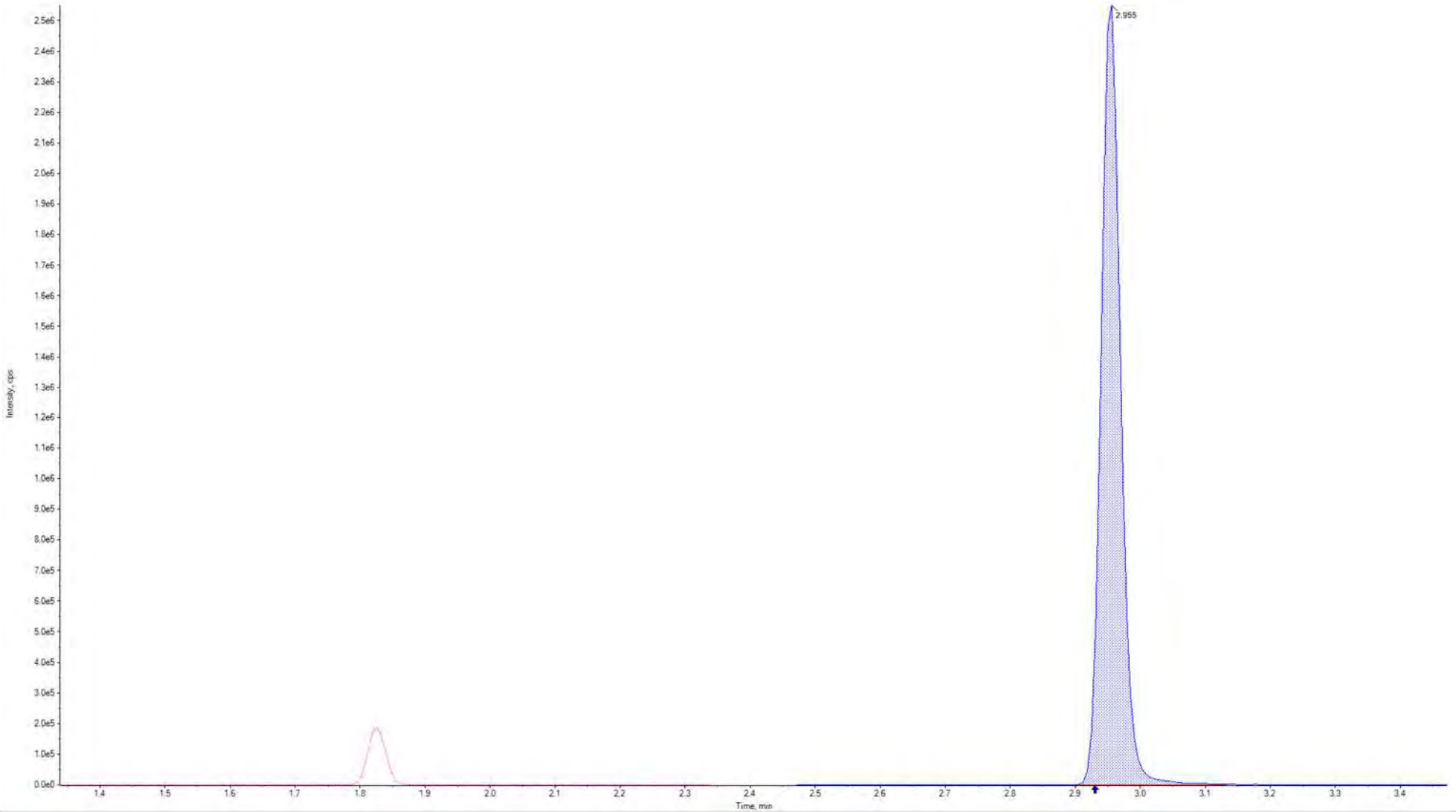
3:3FTCA_2
Sample: WG2012688-5,1633FMED S/N:627.6 Points Across peak:42



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

5:3FTCA
Sample: WG2012688-5,1633FMED S/N:5692.4 Points Across peak:42



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

5:3FTCA_2
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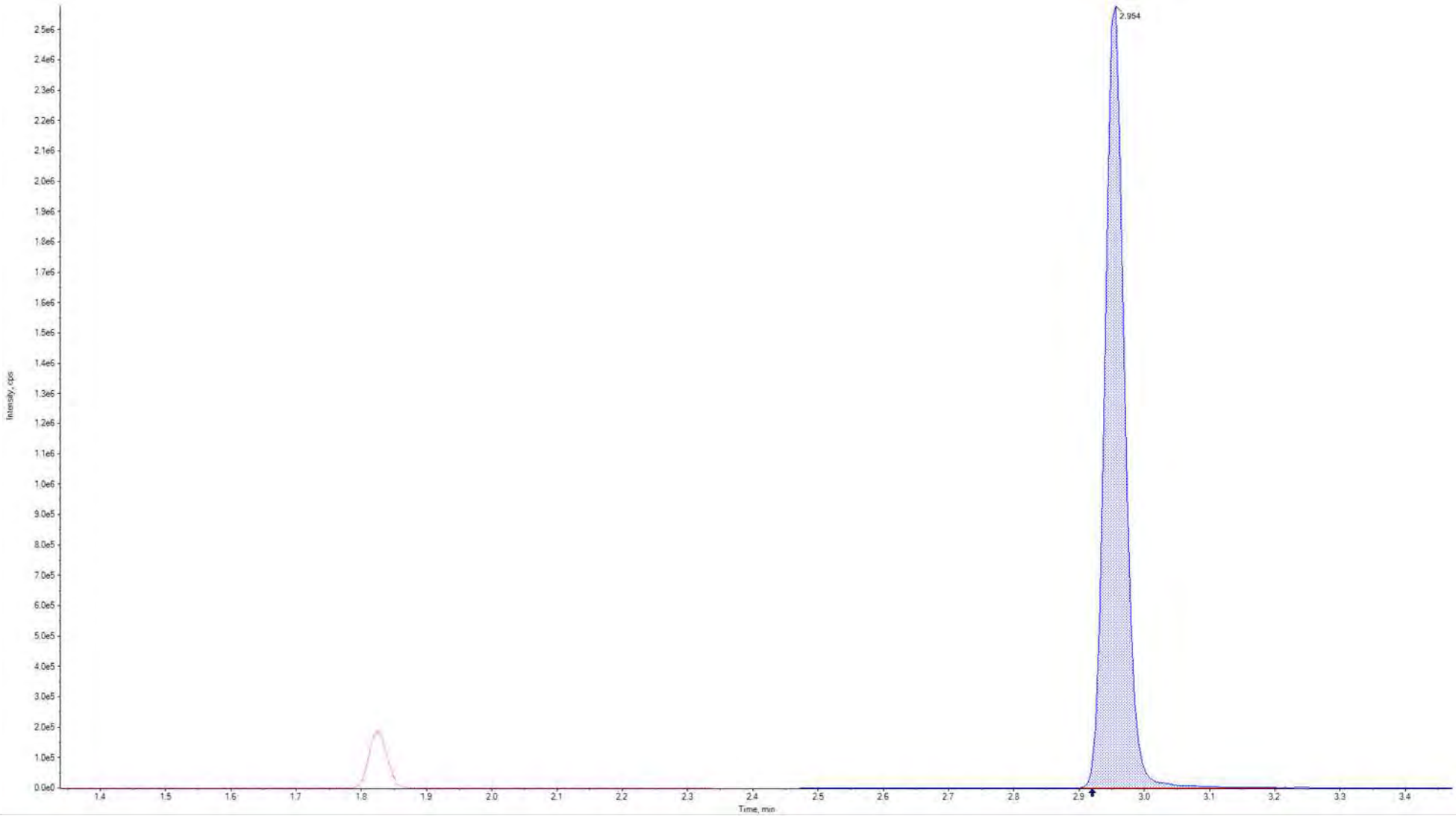
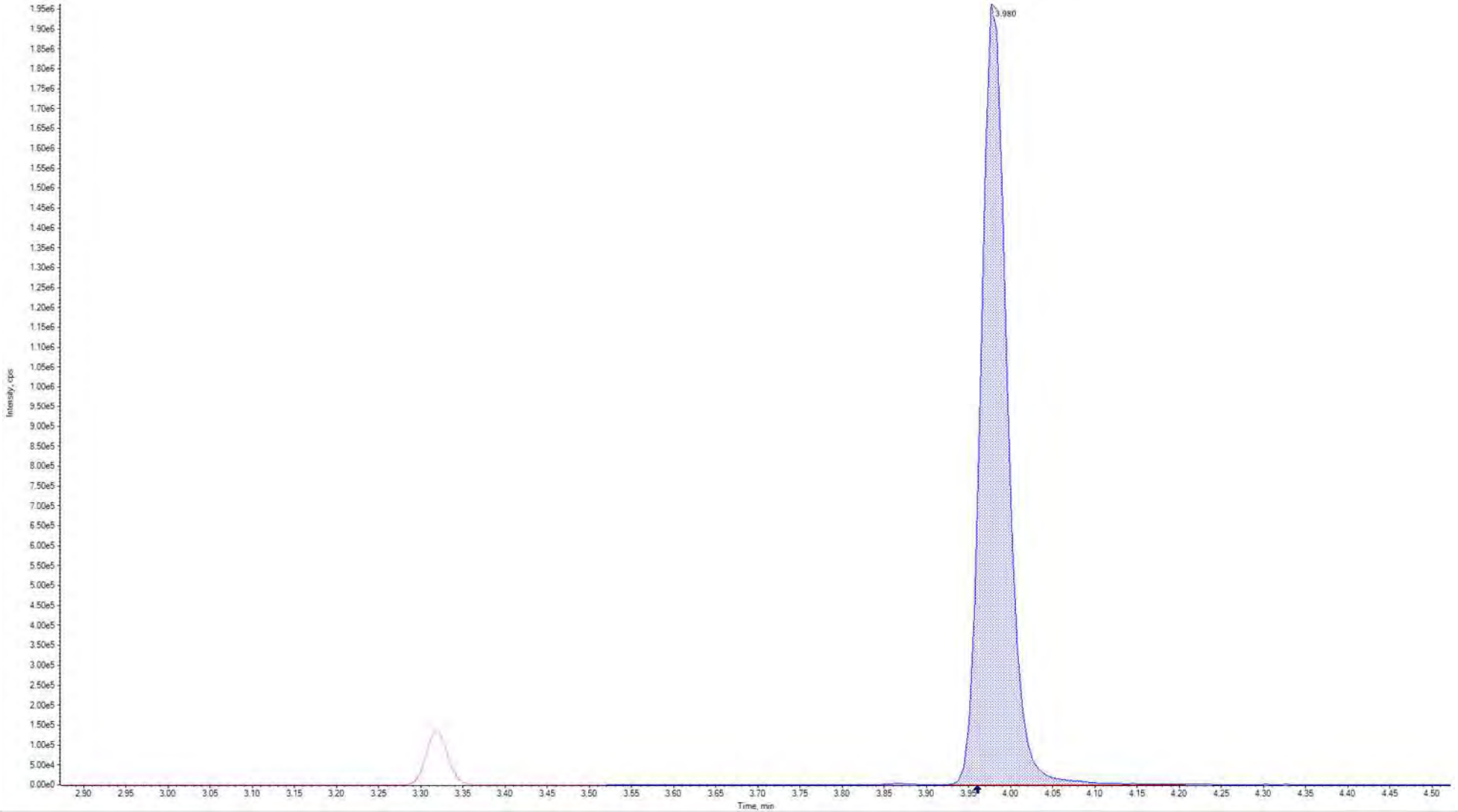


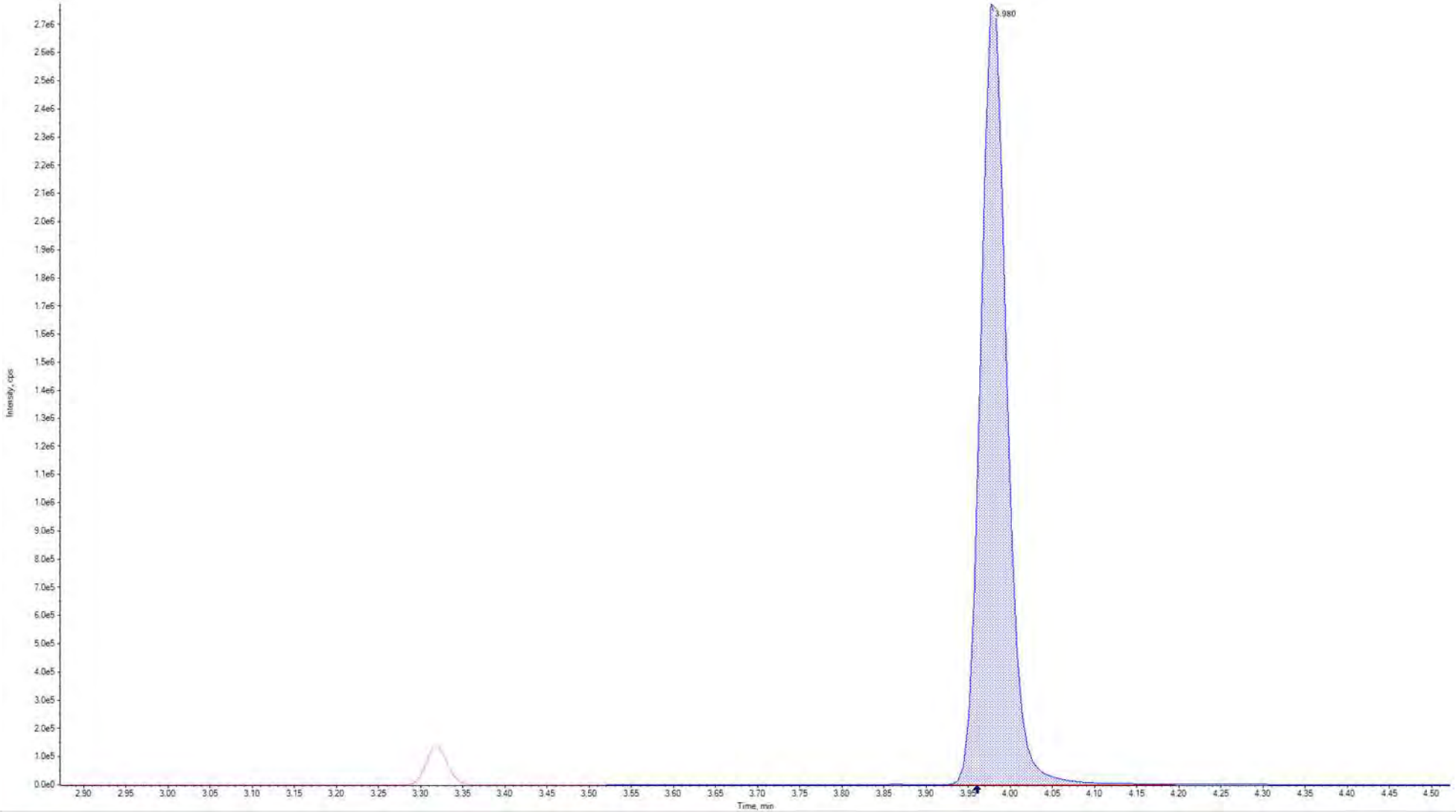
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

7:3FTCA
Sample: WG2012688-5,1633FMED S/N:54120.5 Points Across peak:48



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

7:3FTCA_2
Sample: WG2012688-5,1633FMED S/N:76439.8 Points Across peak:46



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Alpha Analytical LLC
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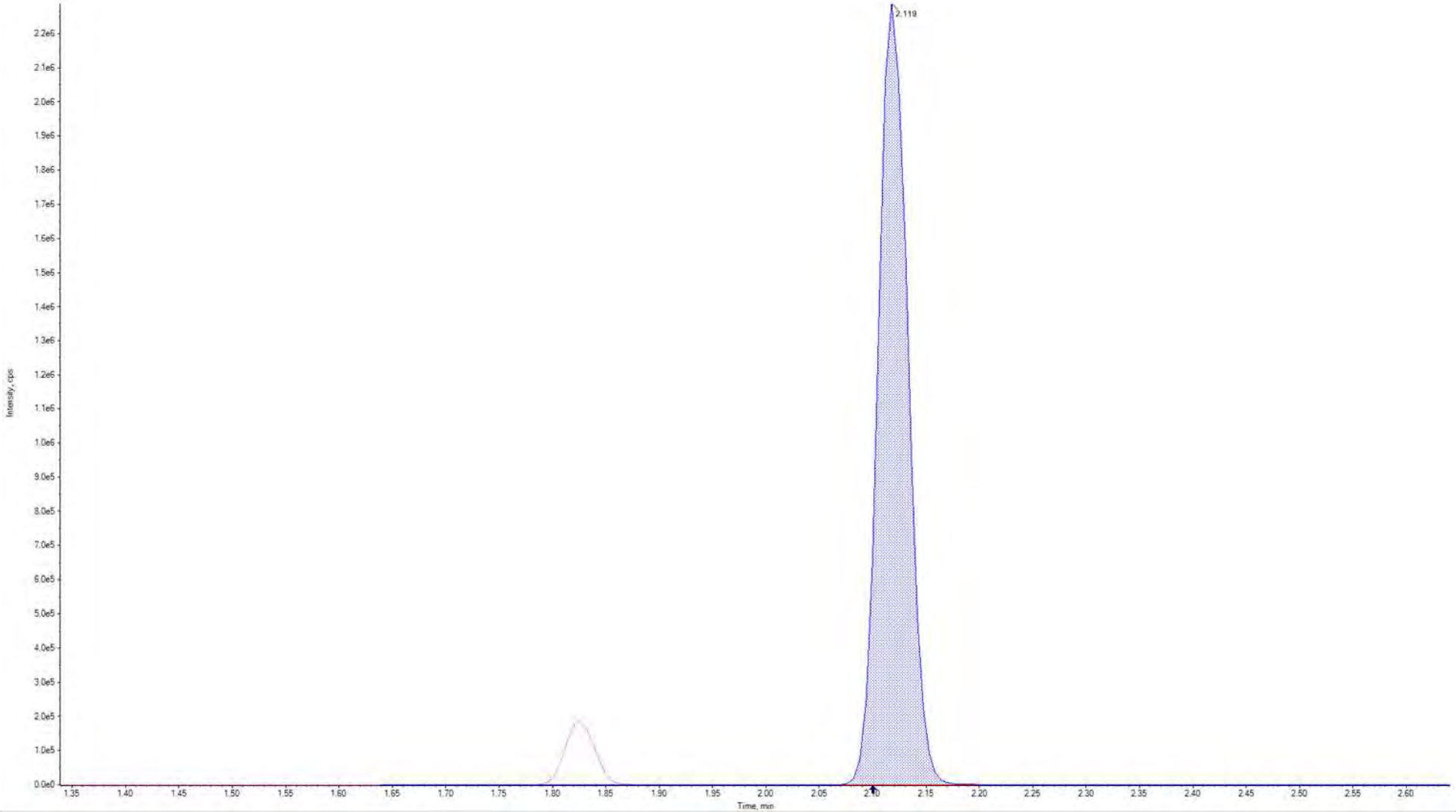
PFEESA
Sample: WG2012688-5,1633FMED S/N:10209.7 Points Across peak:34



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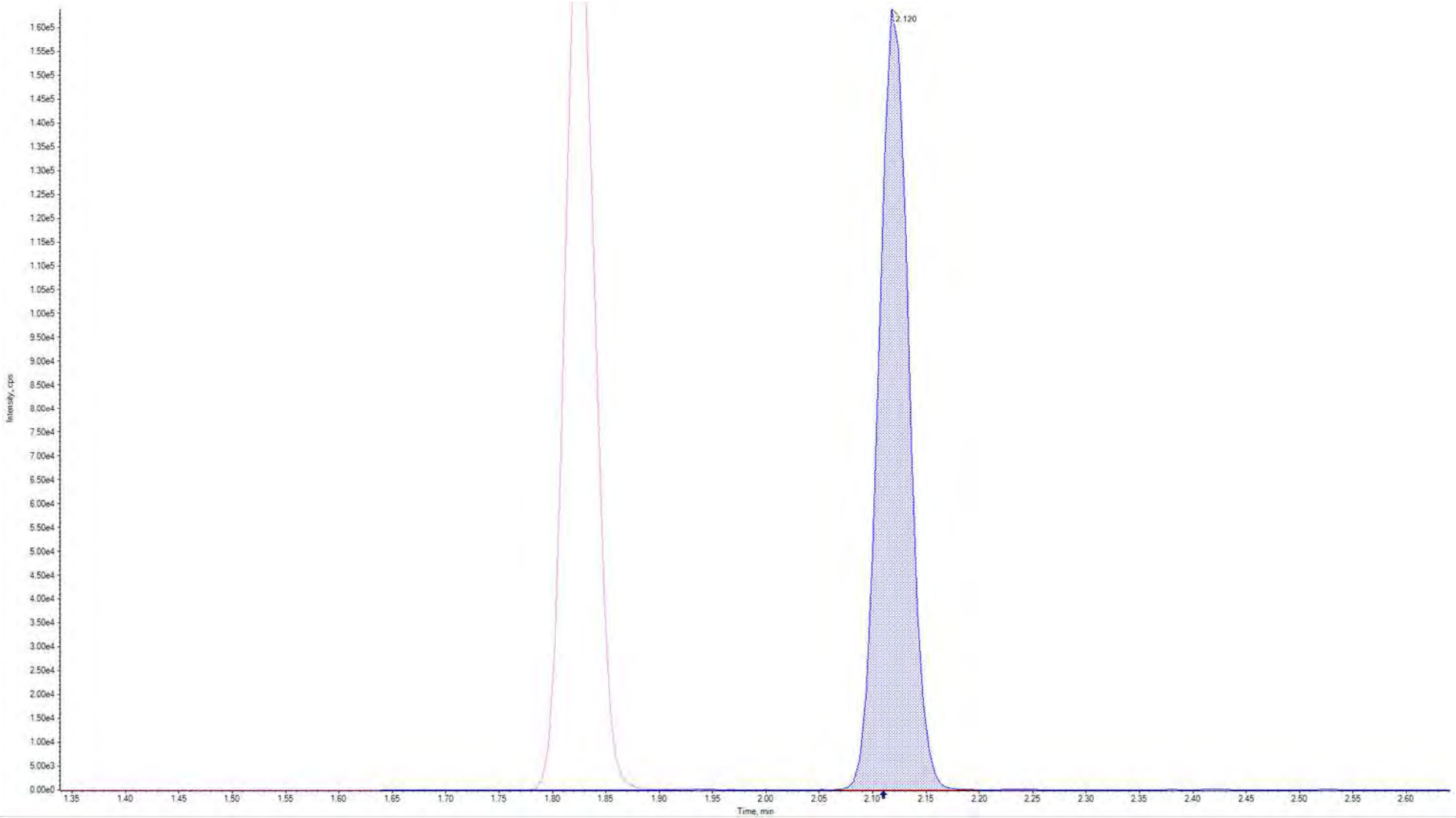
PFEESA_2
Sample: WG2012688-5,1633FMED S/N:3696.8 Points Across peak:32



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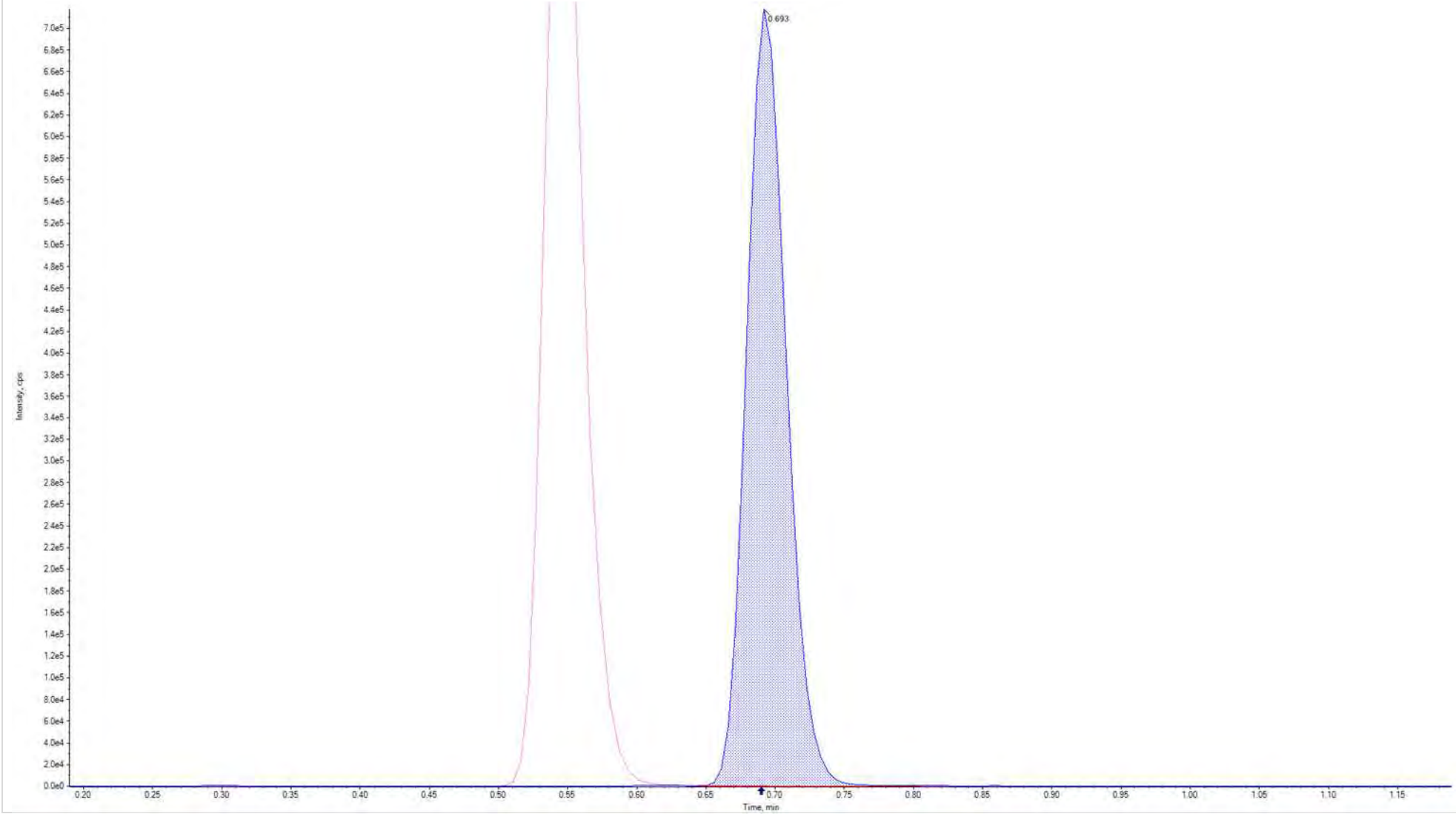
PFMPA
Sample: WG2012688-5,1633FMED S/N:21233.0 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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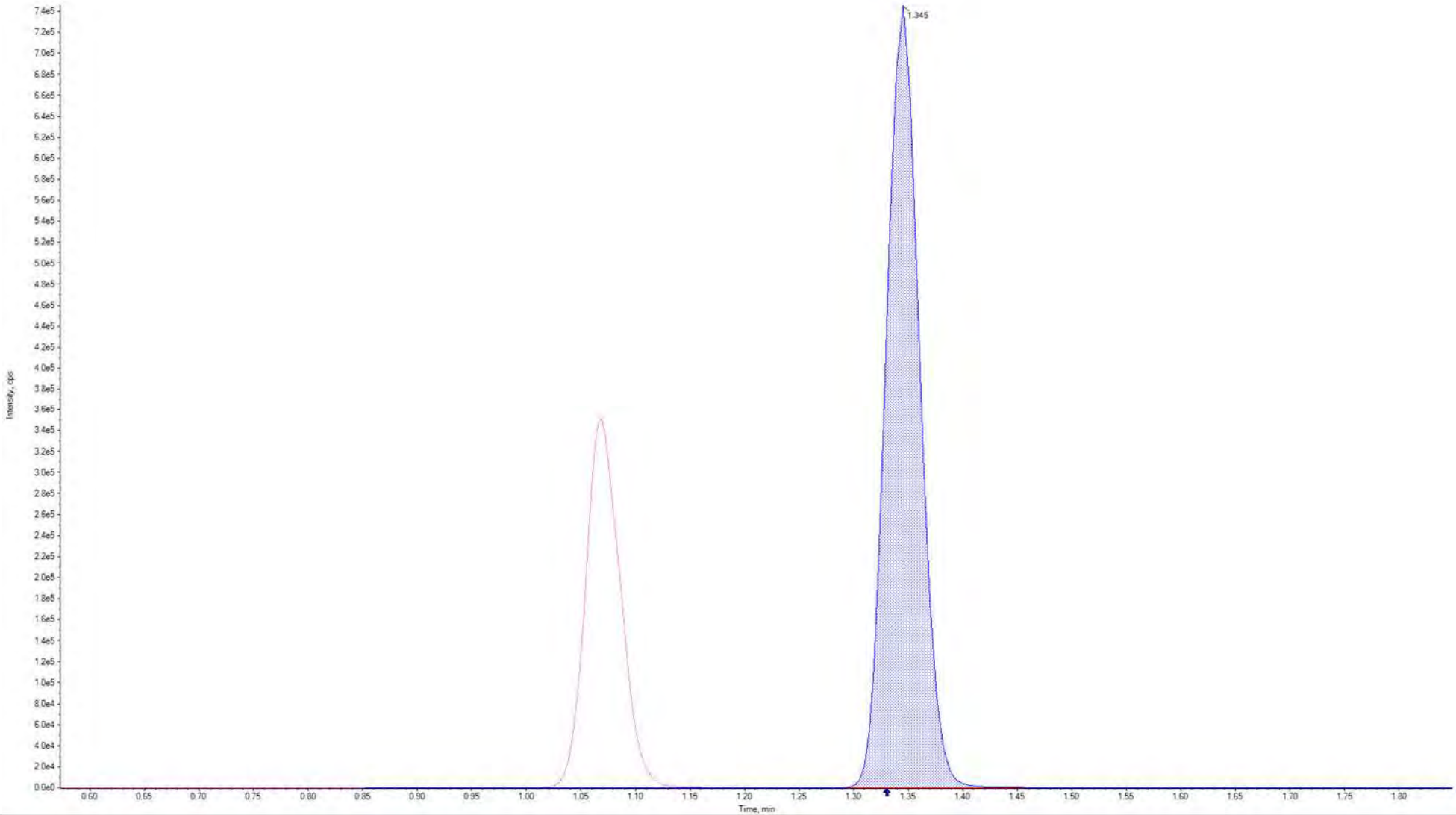
PFMBA
Sample: WG2012688-5,1633FMED S/N:42989.7 Points Across peak:39



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Alpha Analytical LLC
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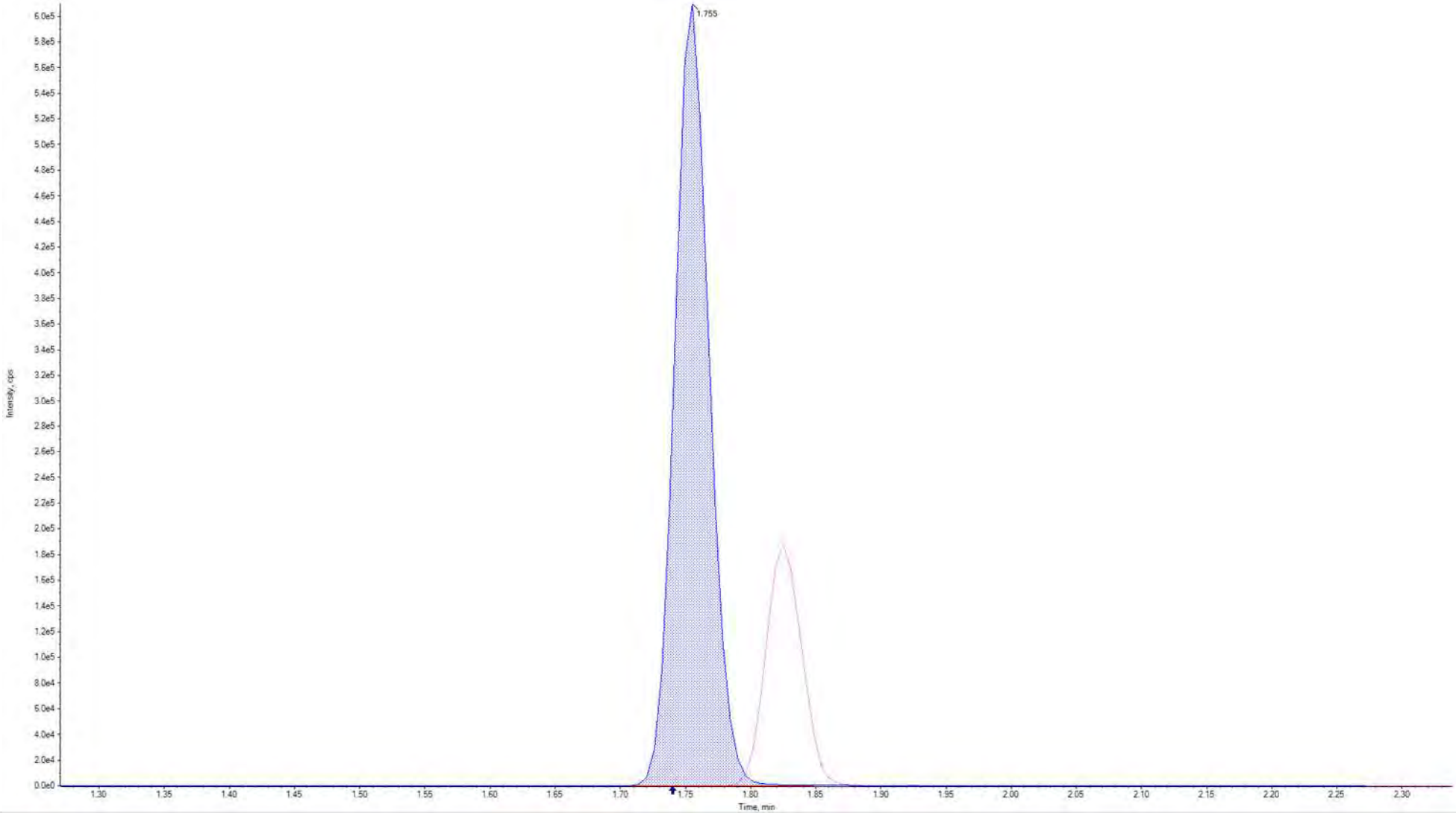
NFDHA
Sample: WG2012688-5,1633FMED S/N:6440.9 Points Across peak:31



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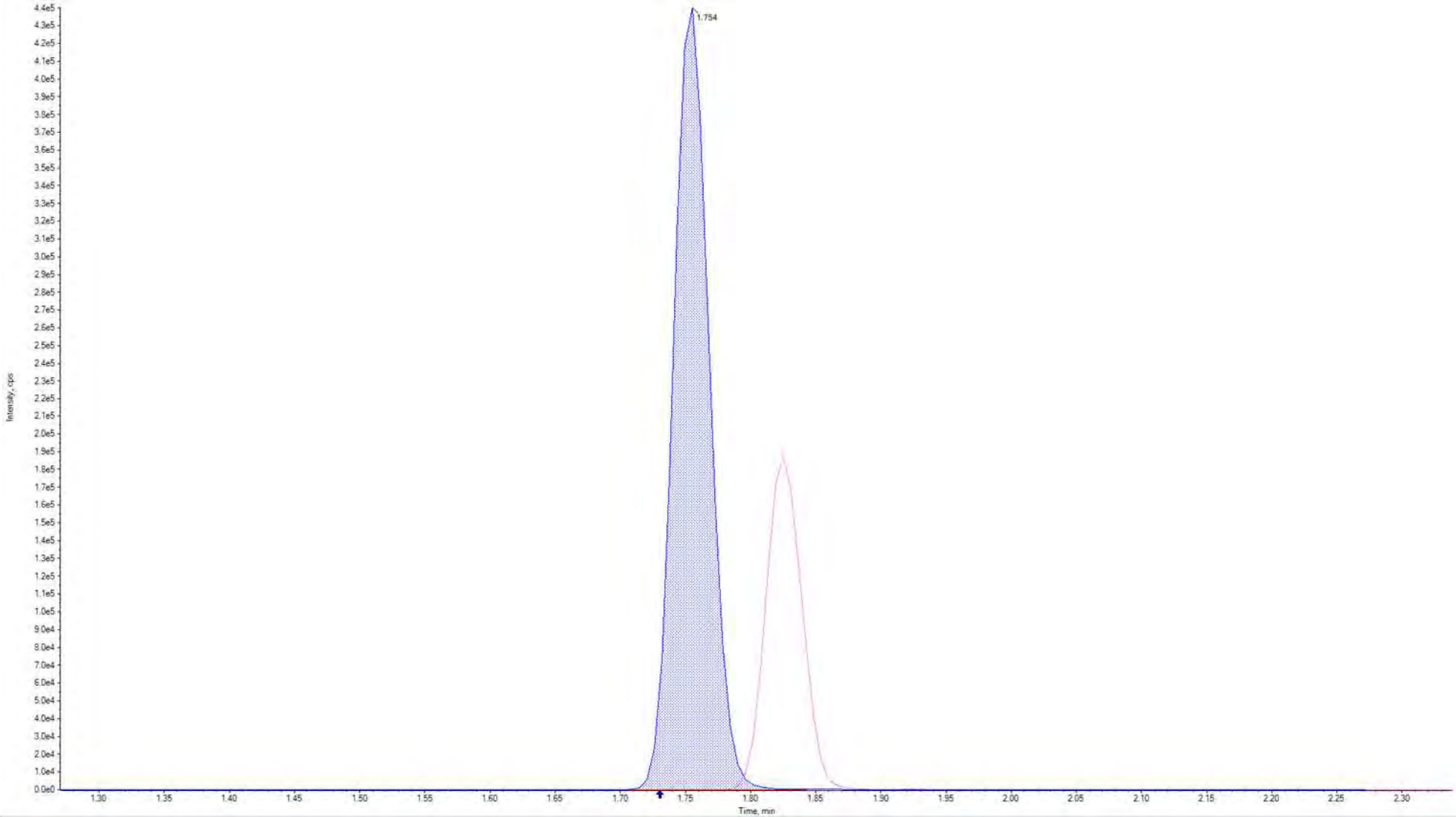
NFDHA_2
Sample: WG2012688-5,1633FMED S/N:12136.0 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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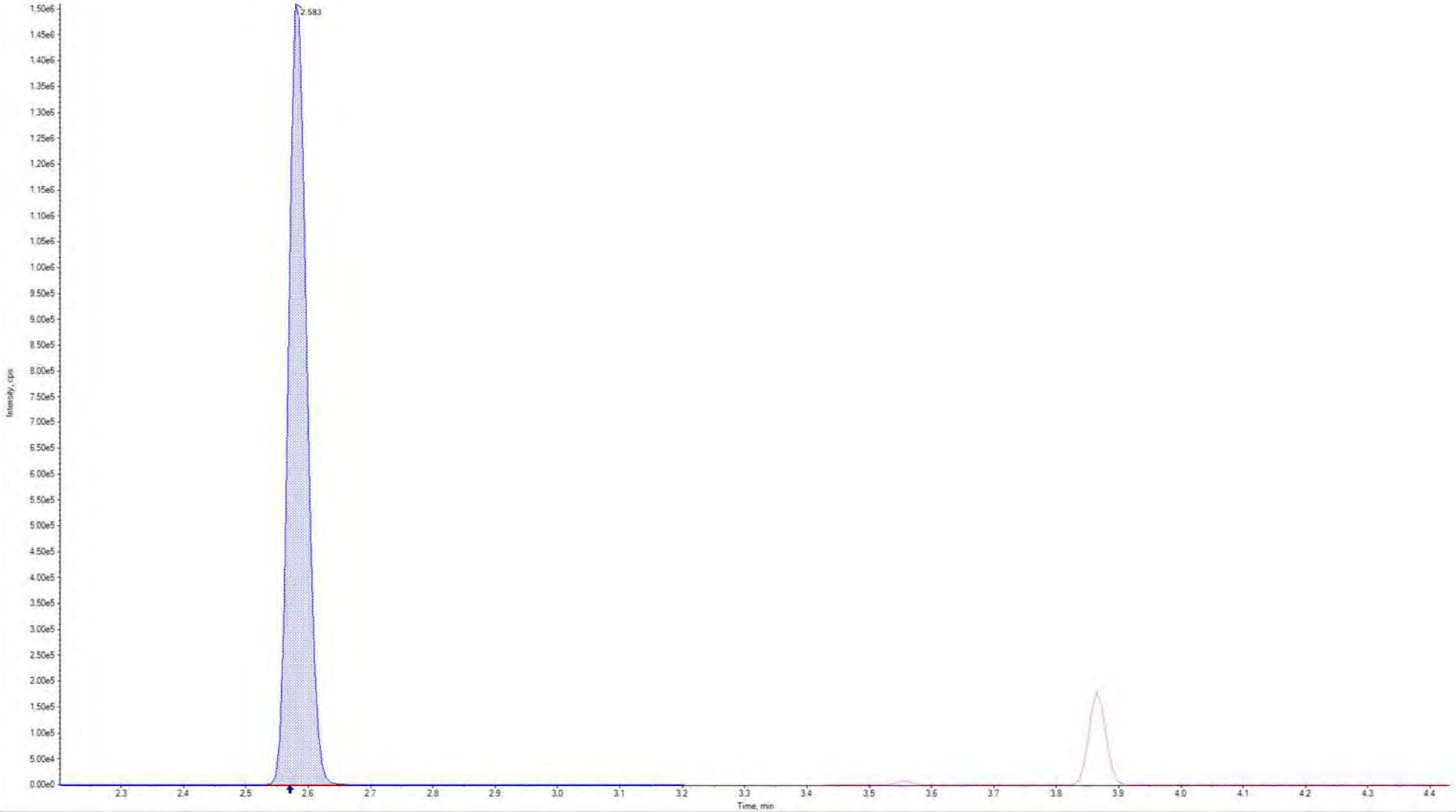
TDCA
Sample: WG2012688-5,1633FMED S/N:9276.2 Points Across peak:36



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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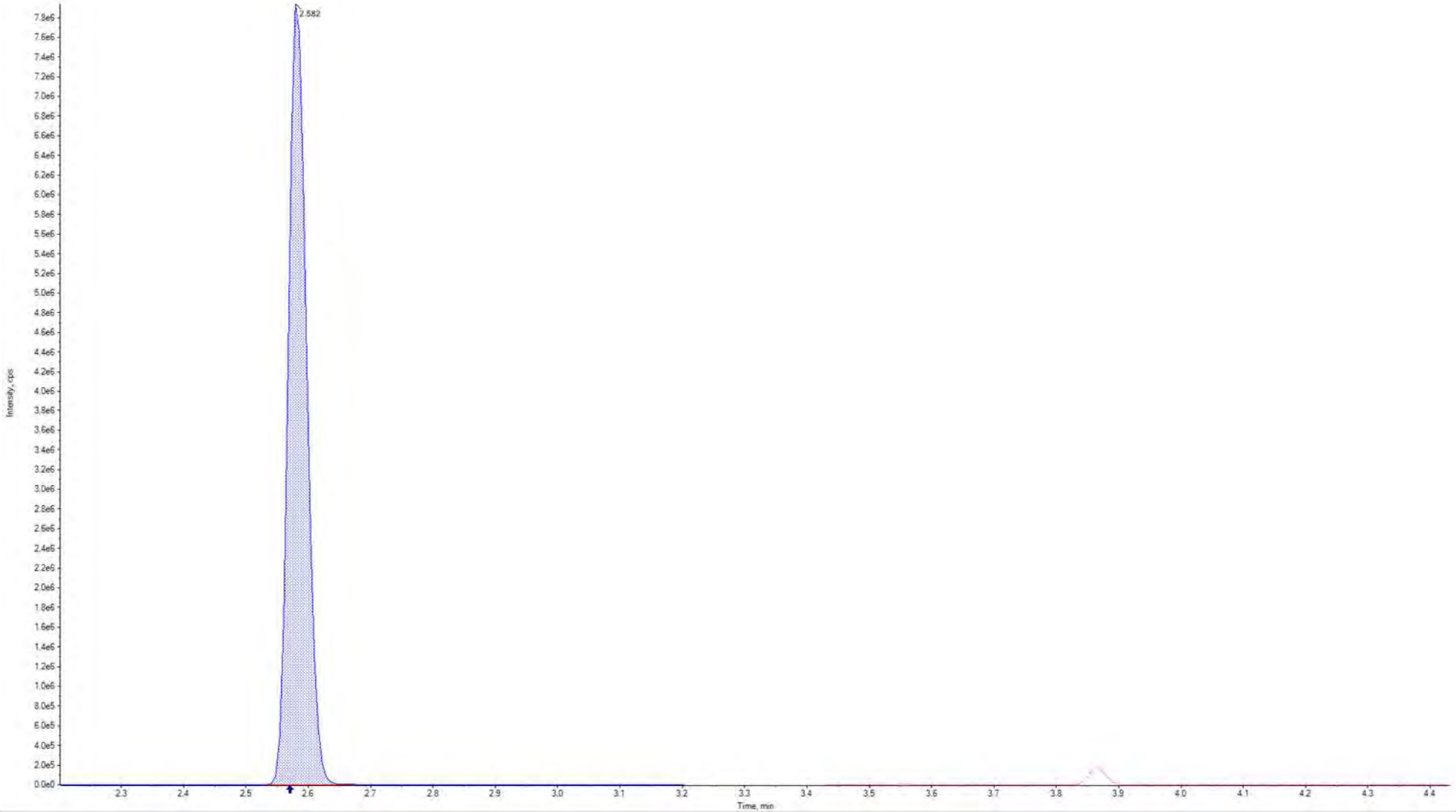
TDCA_2
Sample: WG2012688-5,1633FMED S/N:159225.4 Points Across peak:42



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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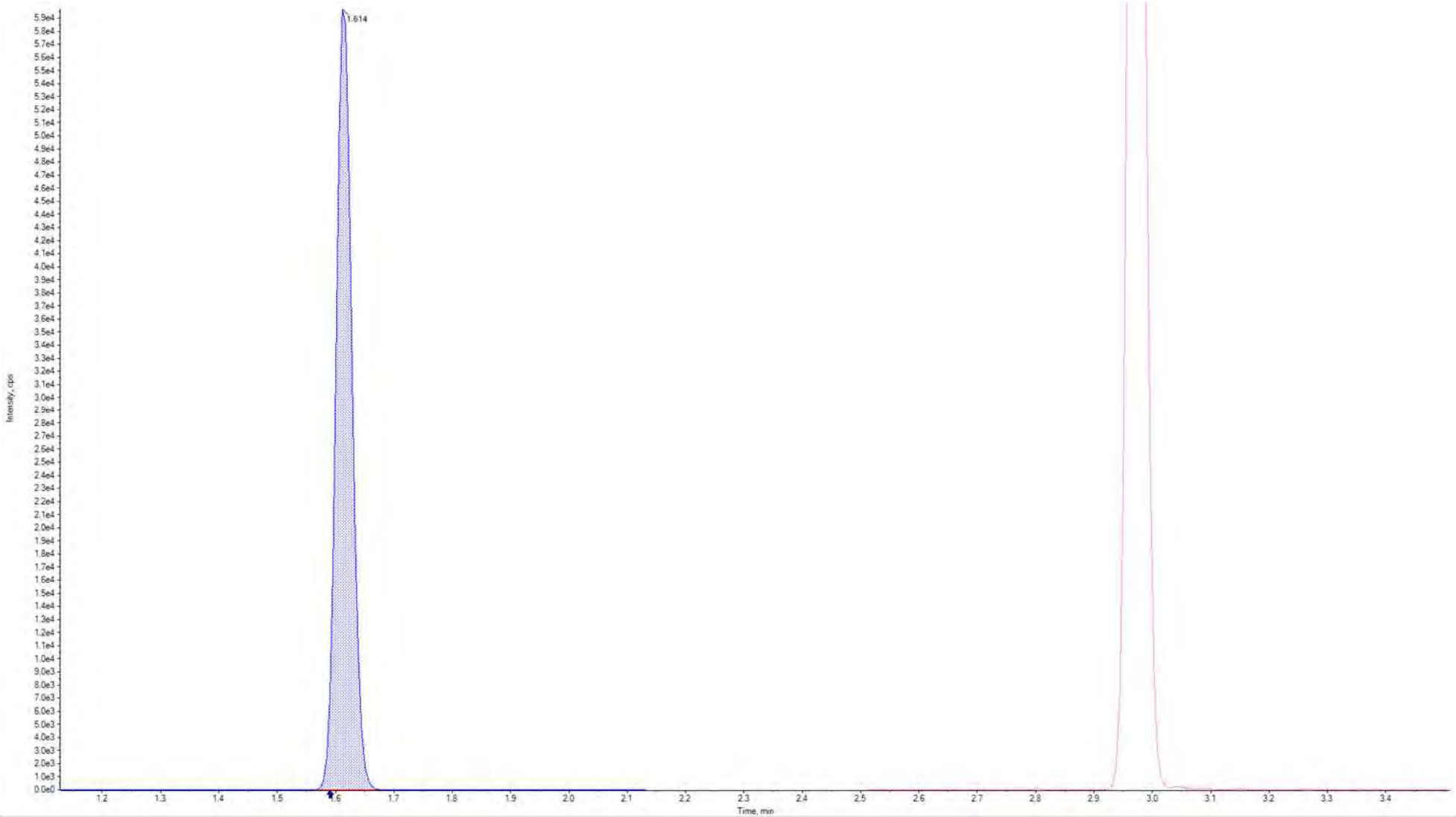
13C2D4-4:2FTS
Sample: WG2012688-5,1633FMED S/N:2244.1 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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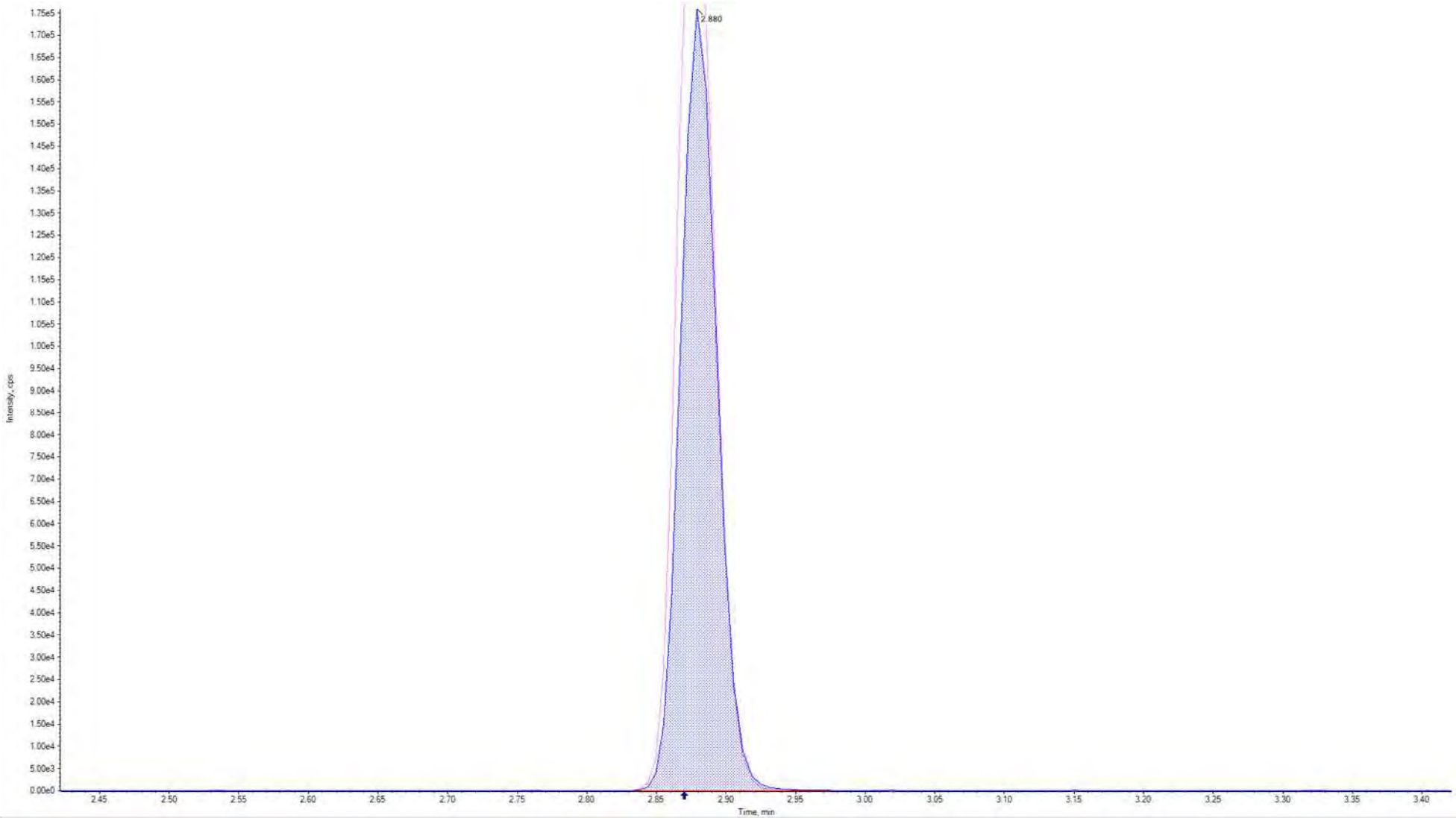
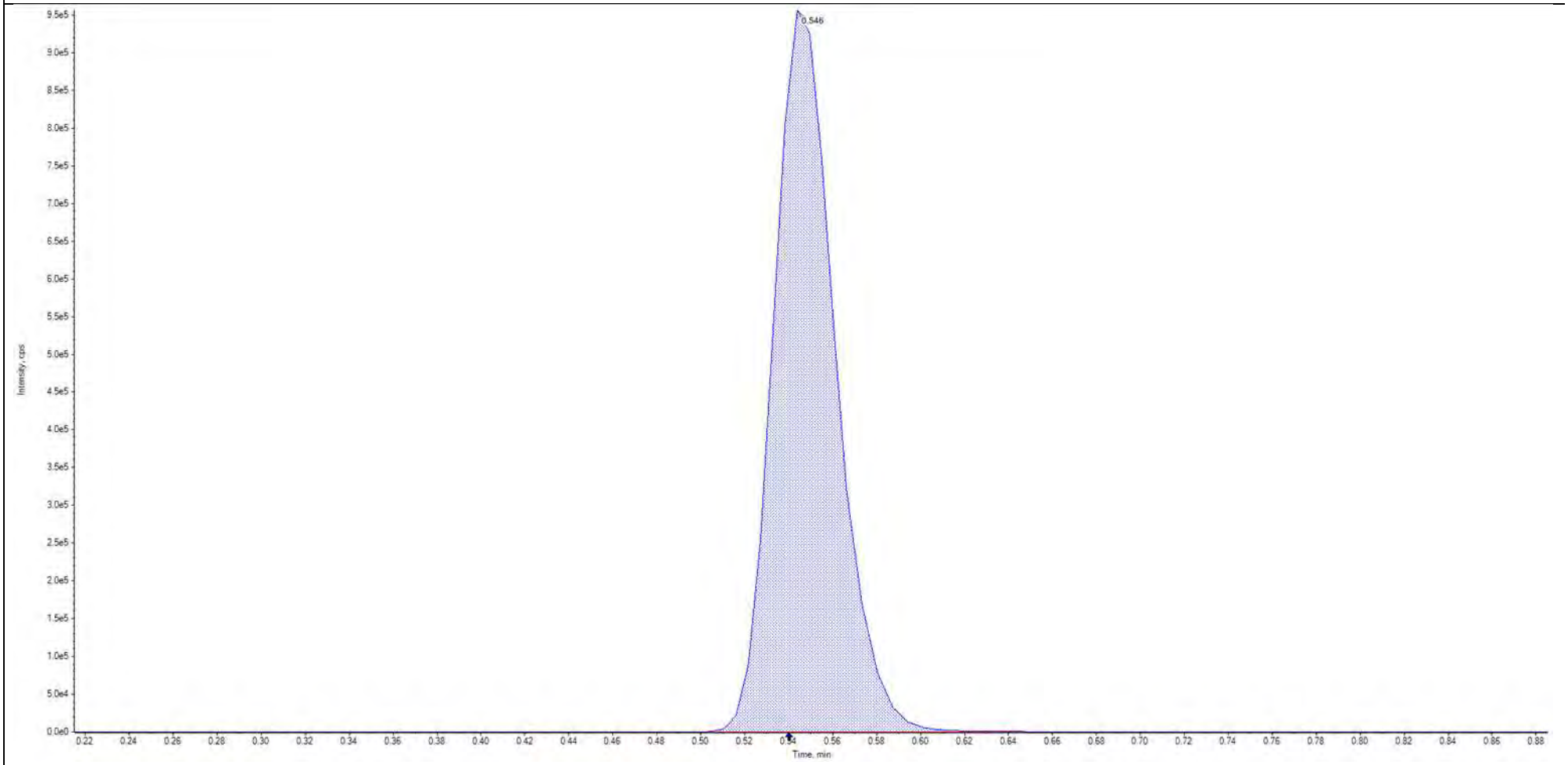
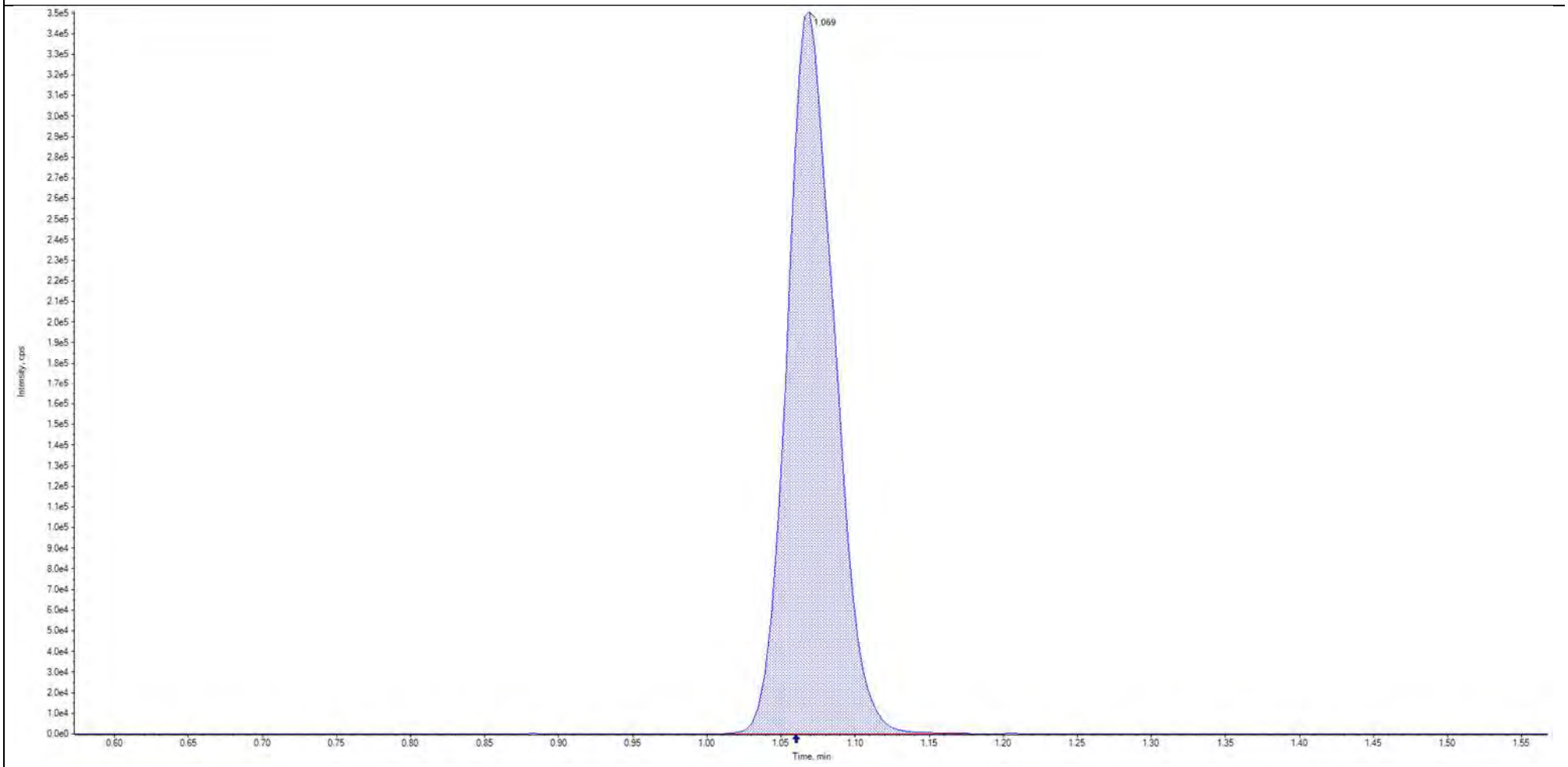
13C2-PFOA
Sample: WG2012688-5,1633FMED S/N:3967.7 Points Across peak:35



13C4-PFBA
Sample: WG2012688-5,1633FMED



13C5-PFPeA
Sample: WG2012688-5,1633FMED



13C5-PFHxA
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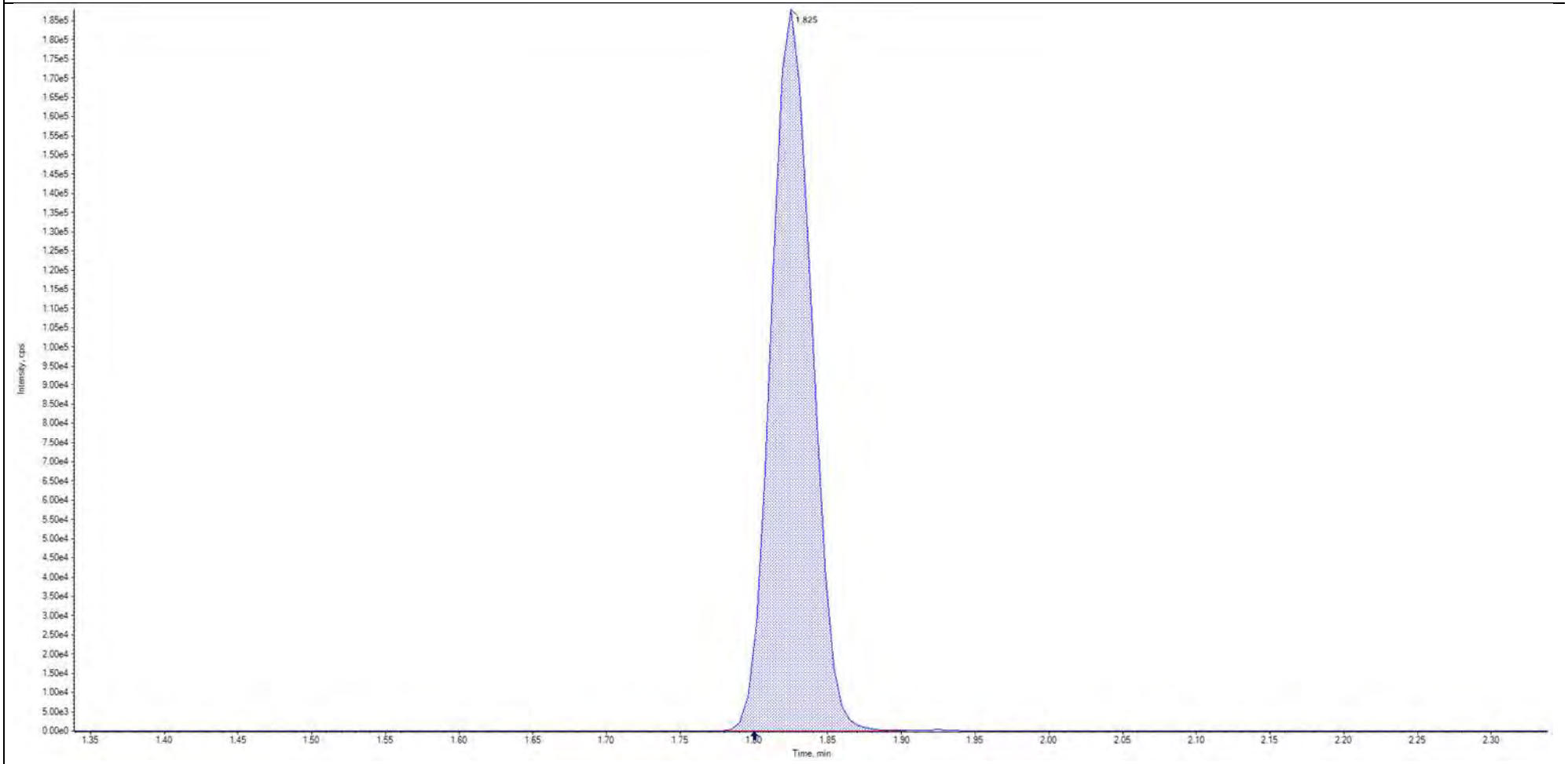
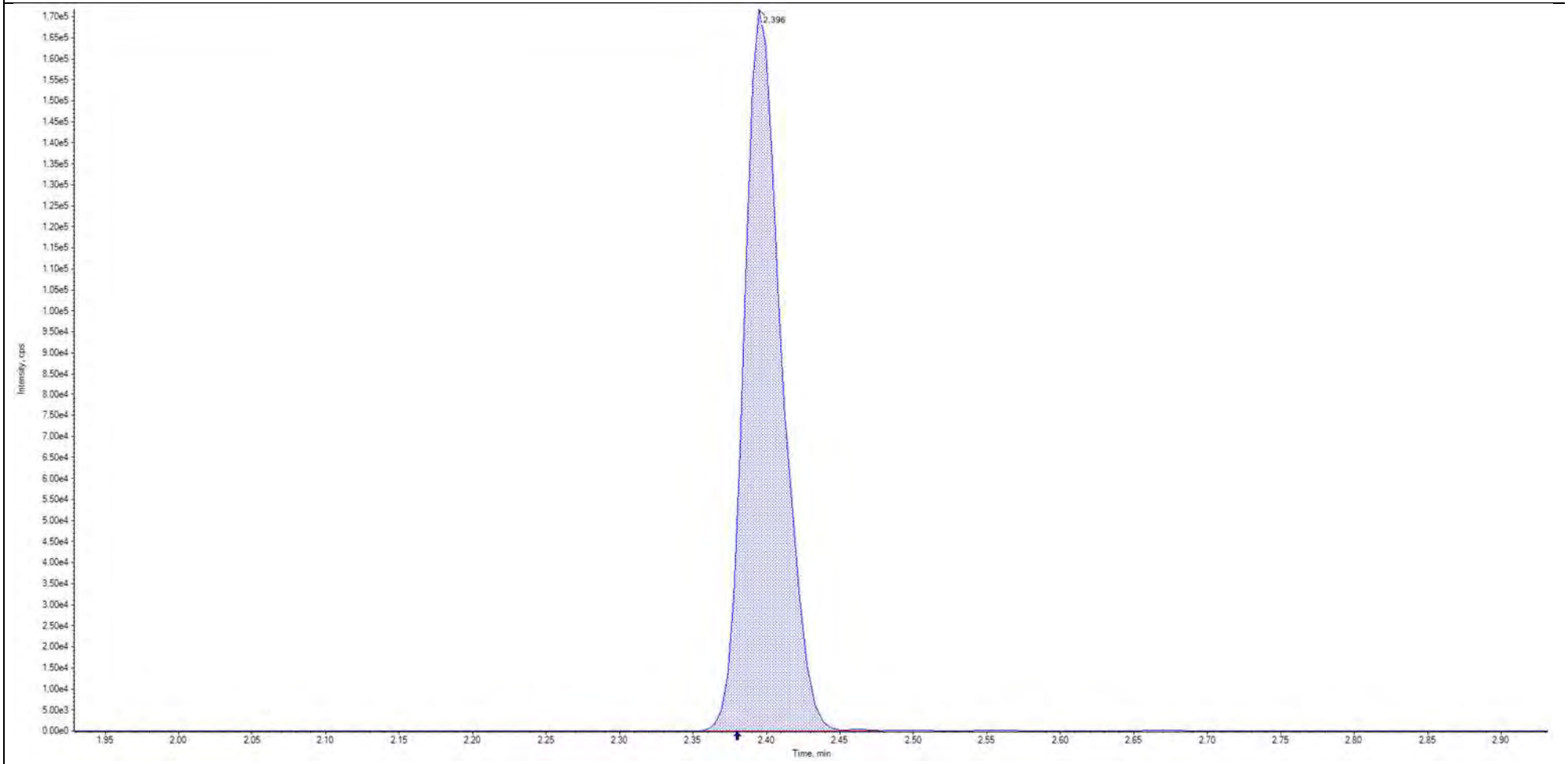
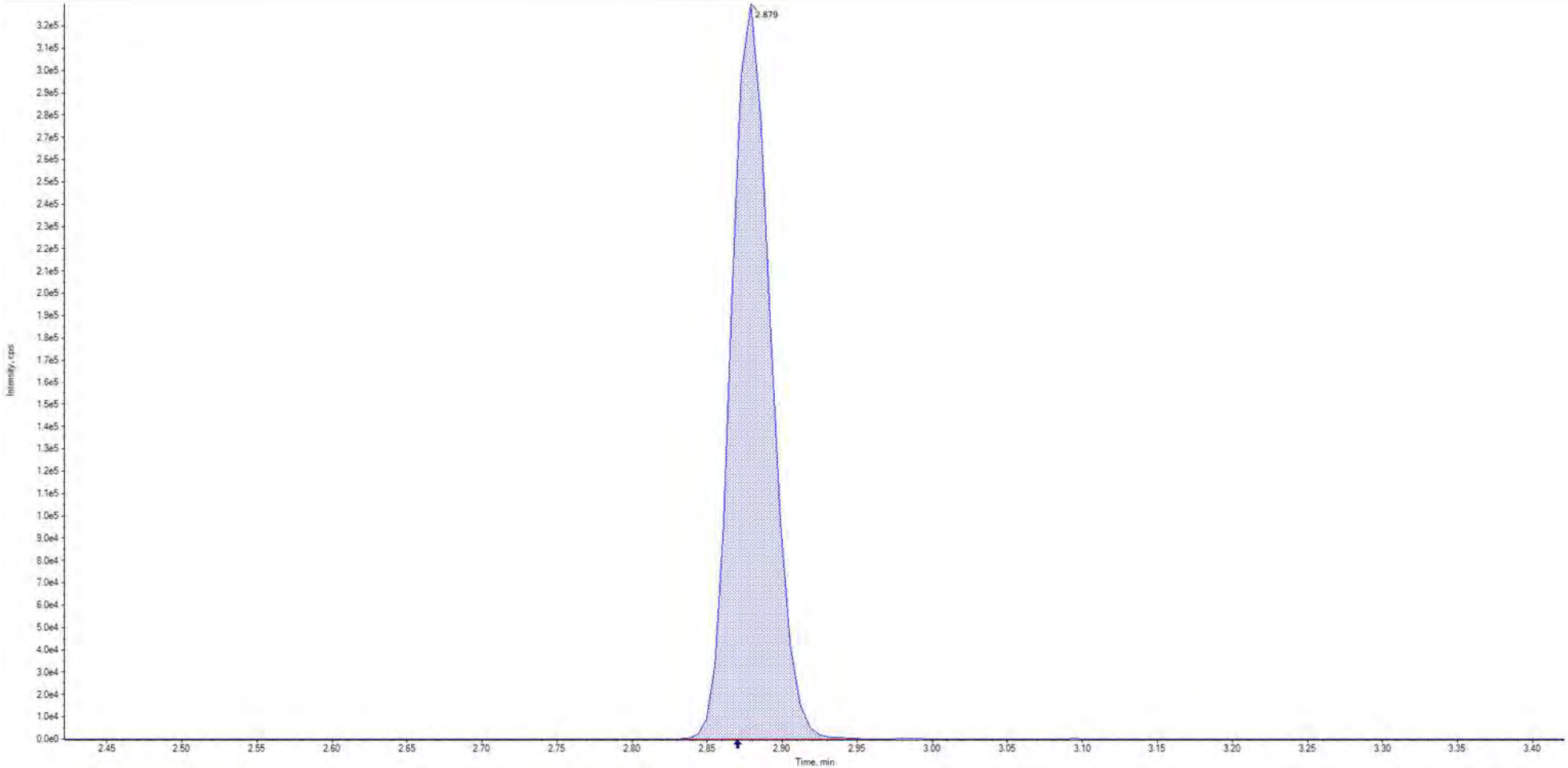


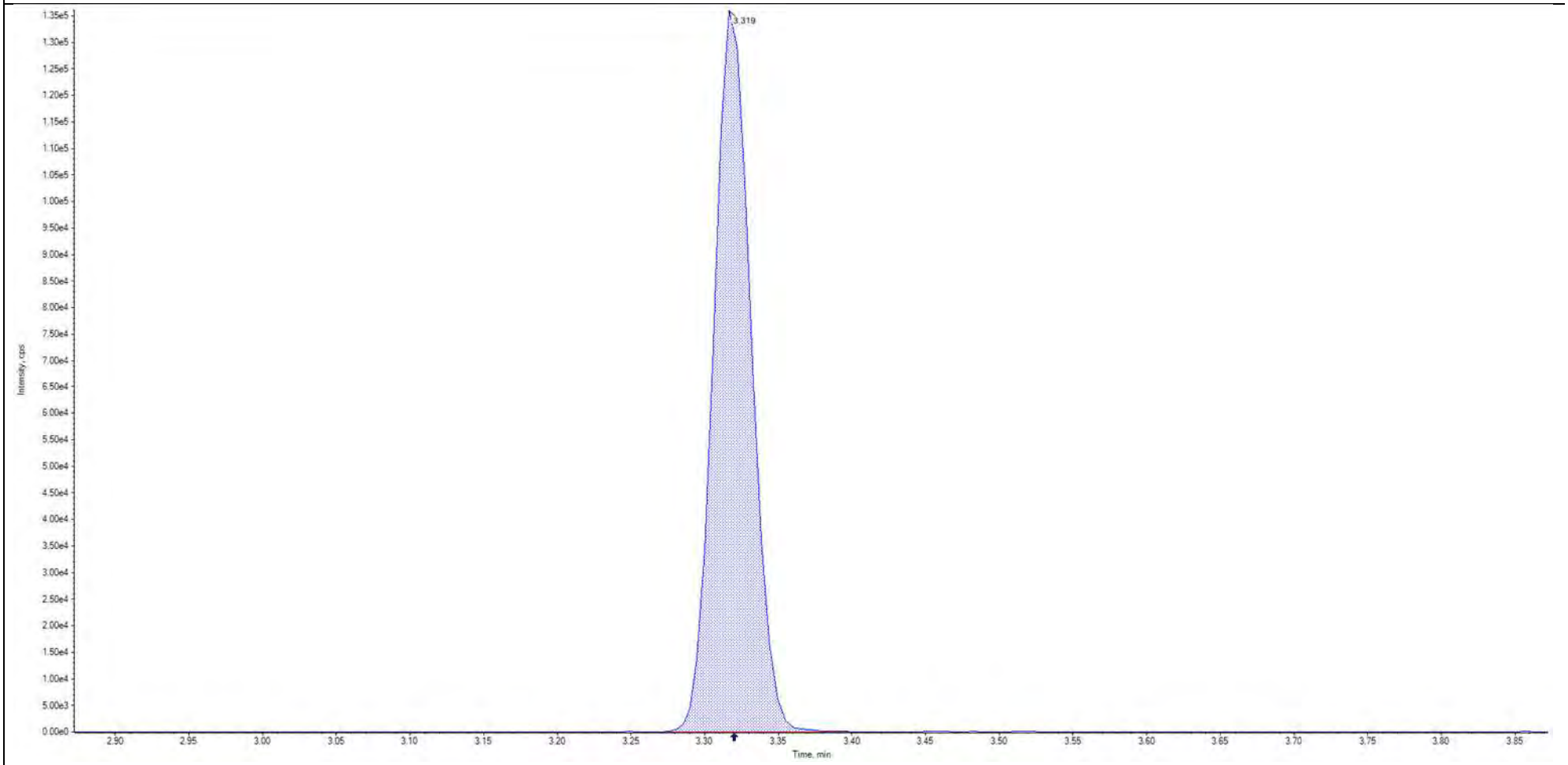
13C4-PFHpA
Sample: WG2012688-5,1633FMED



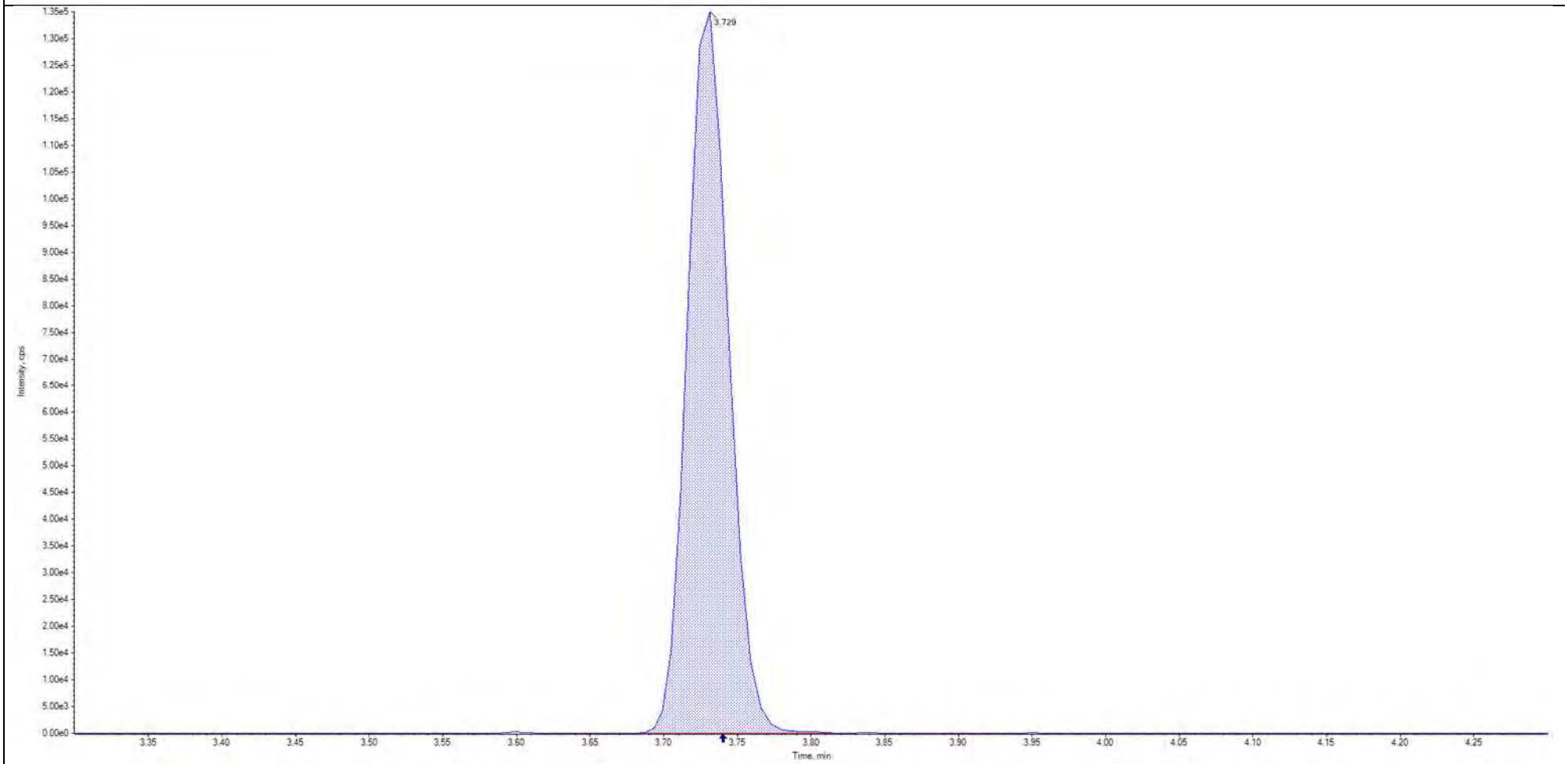
13C8-PFOA
Sample: WG2012688-5,1633FMED



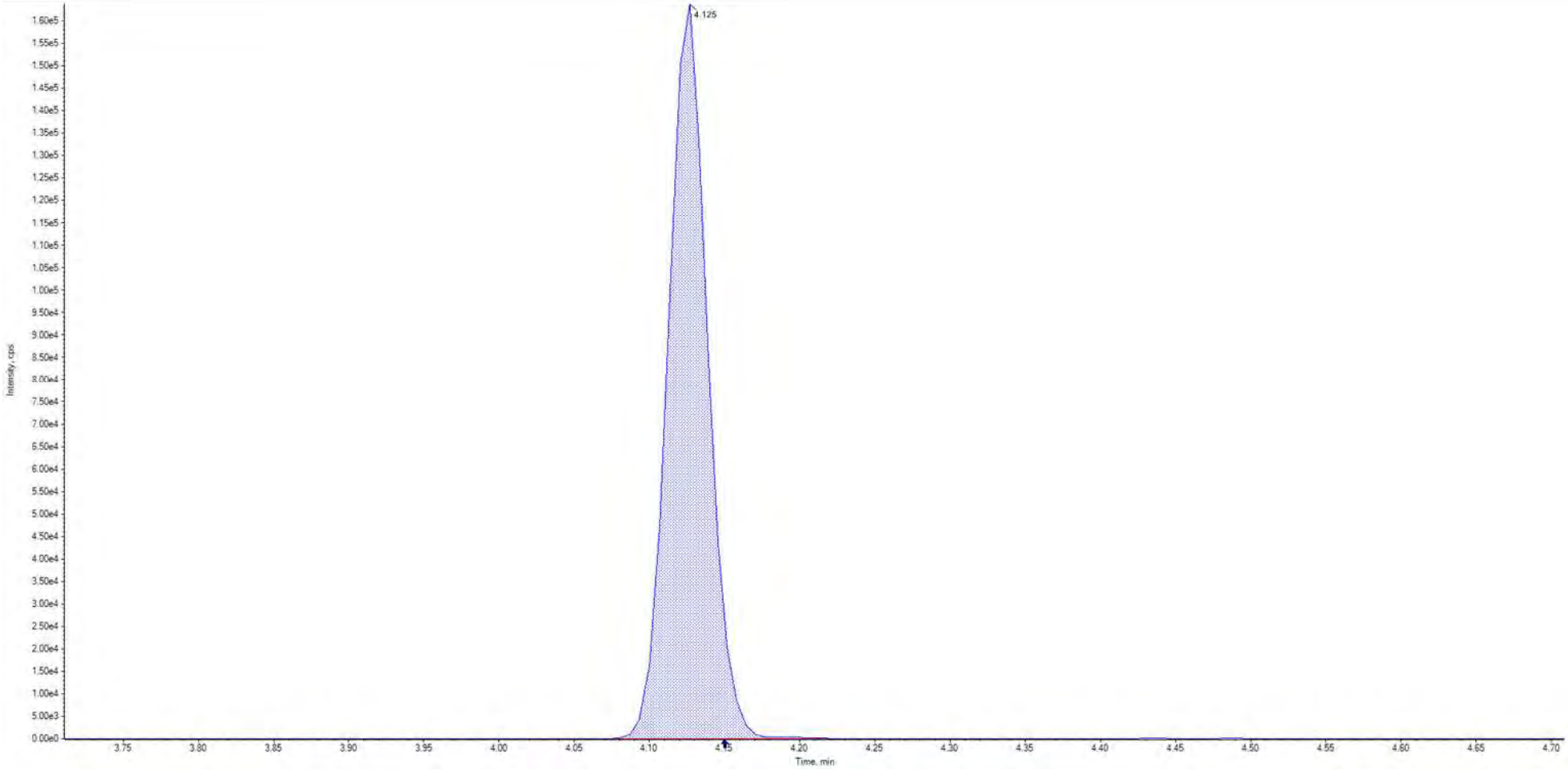
13C9-PFNA
Sample: WG2012688-5,1633FMED



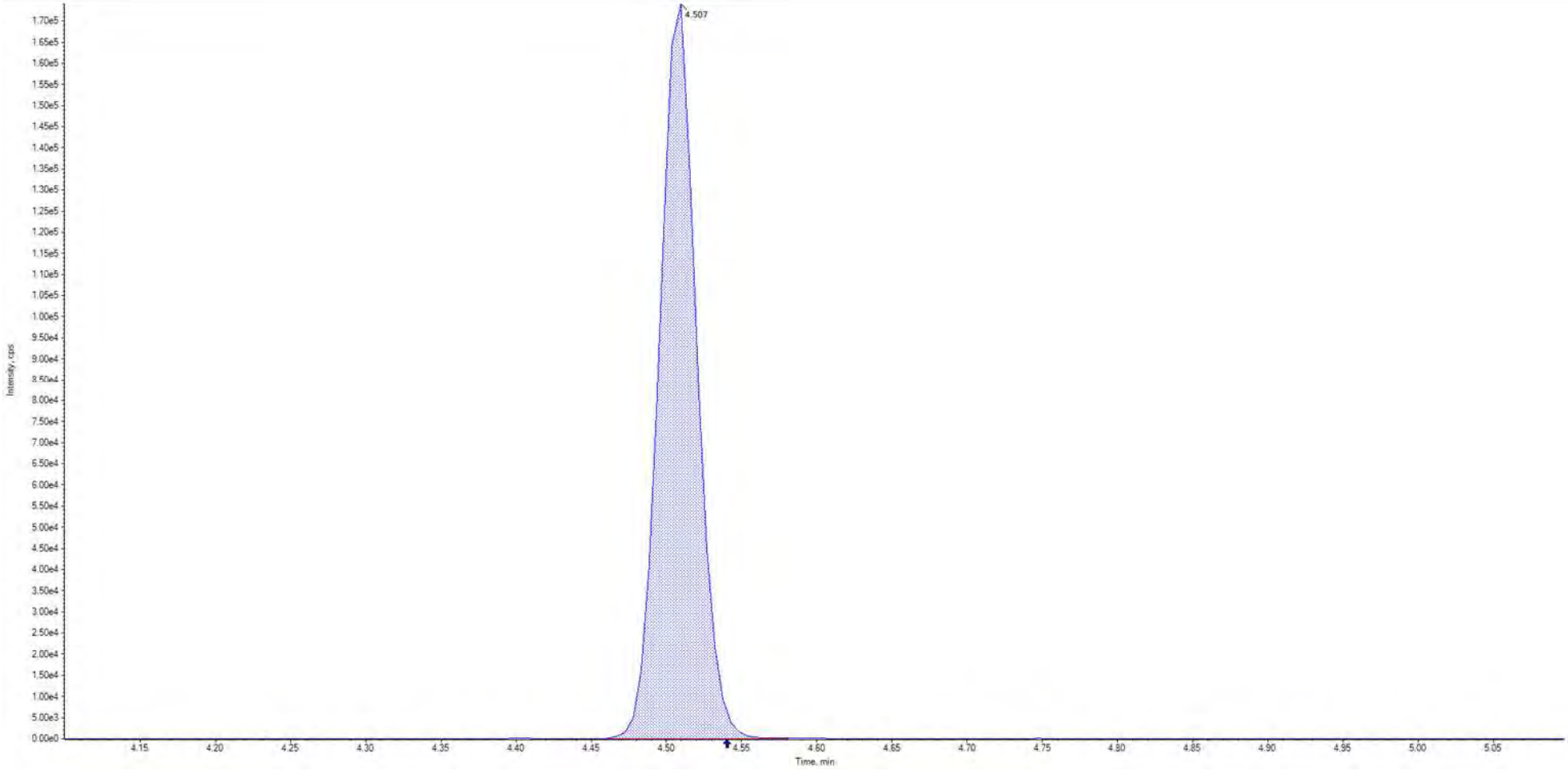
13C6-PFDA
Sample: WG2012688-5,1633FMED



13C7-PFUnA
Sample: WG2012688-5,1633FMED



13C2-PFDoA
Sample: WG2012688-5,1633FMED



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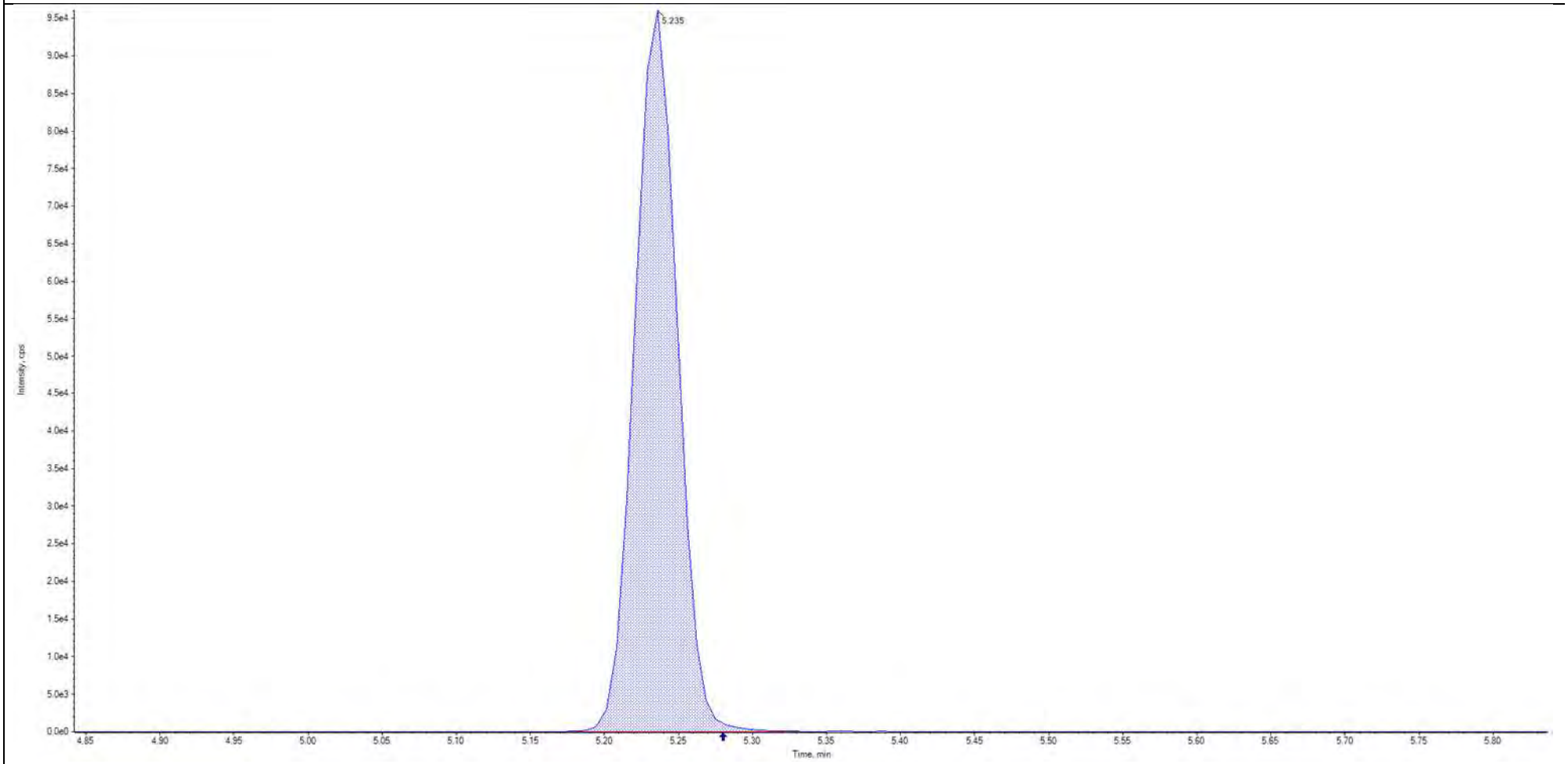
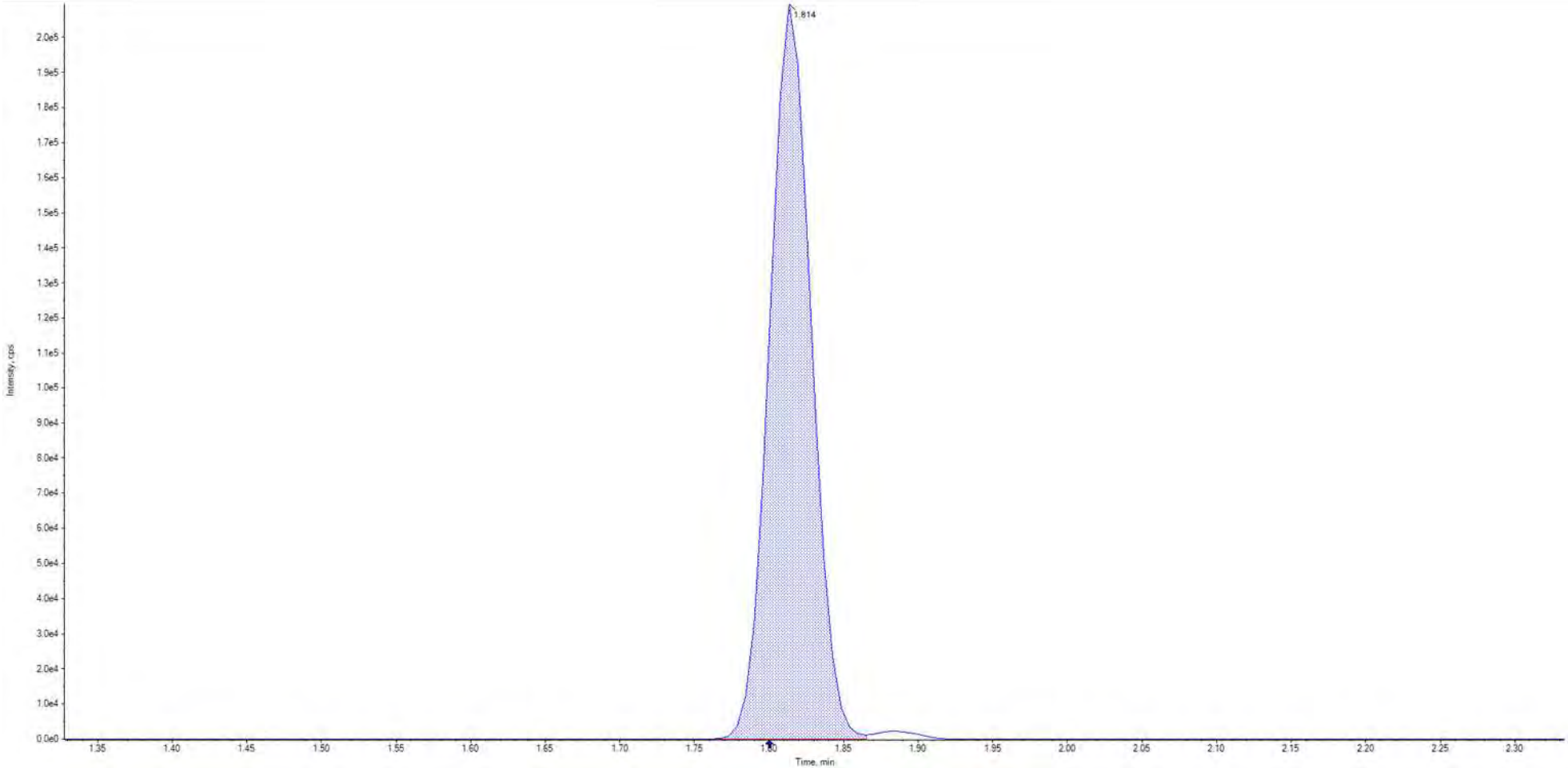
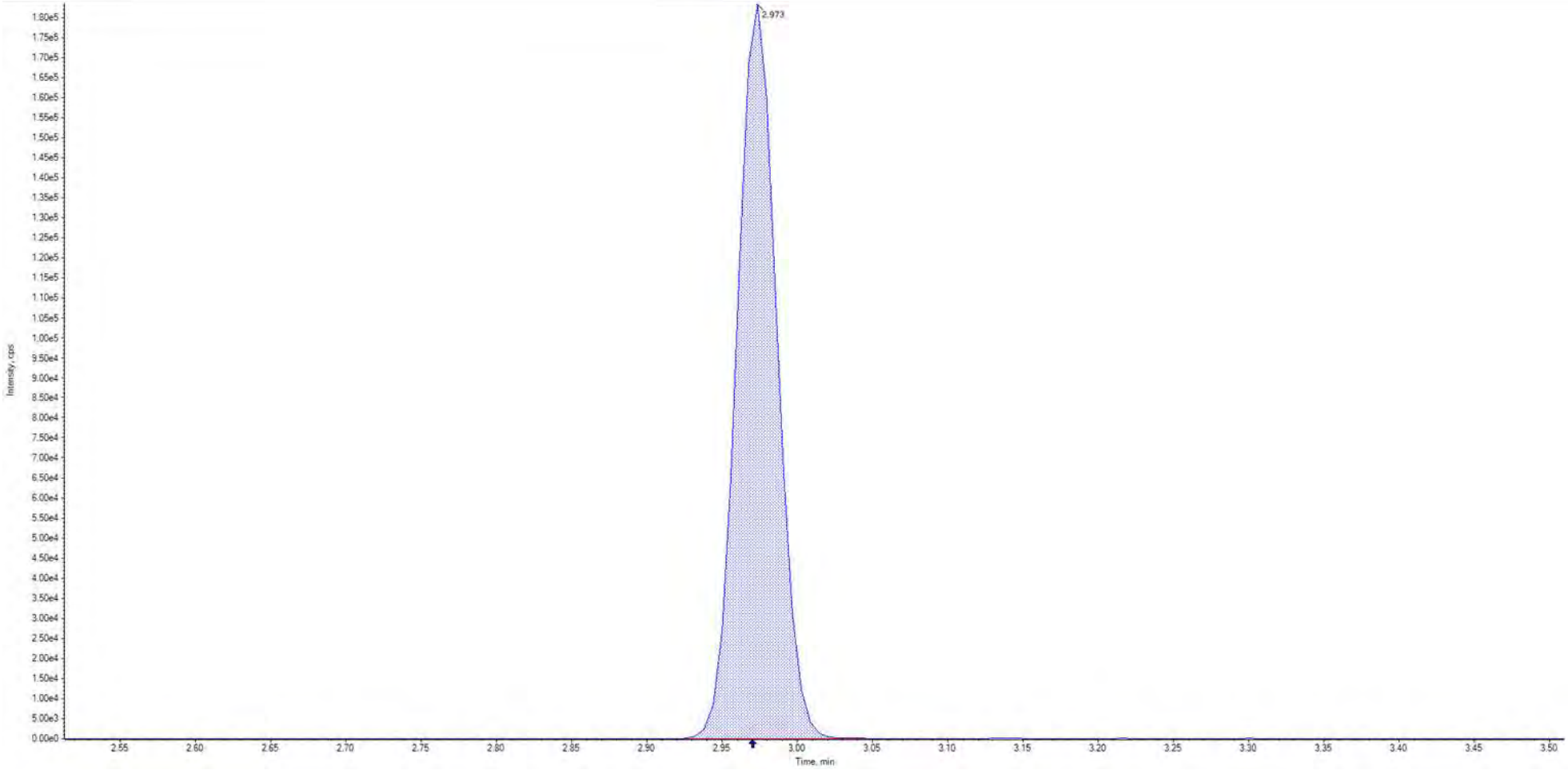
13C2-PFTeDA
Sample: WG2012688-5,1633FMED



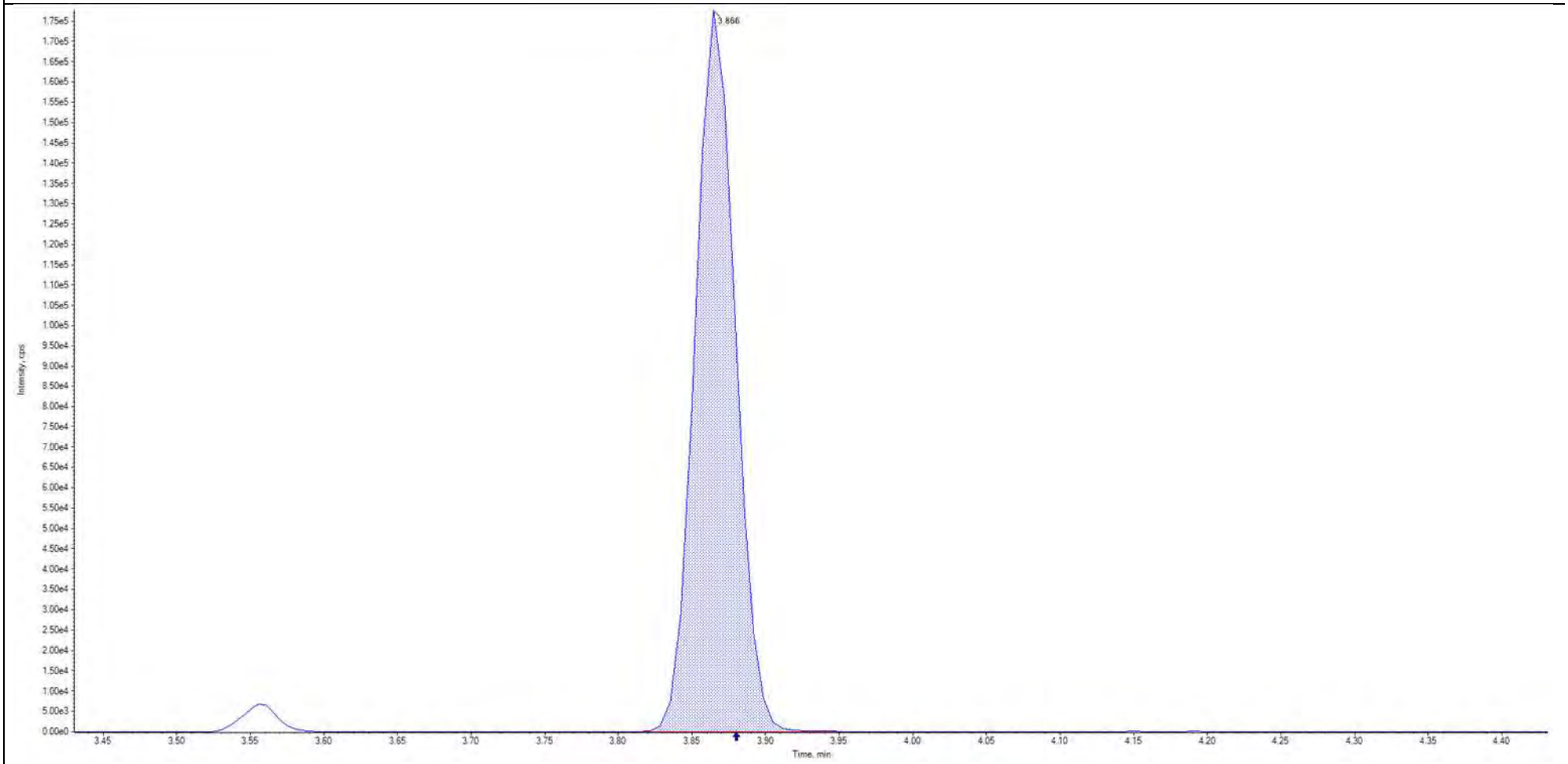
13C3-PFBS
Sample: WG2012688-5,1633FMED



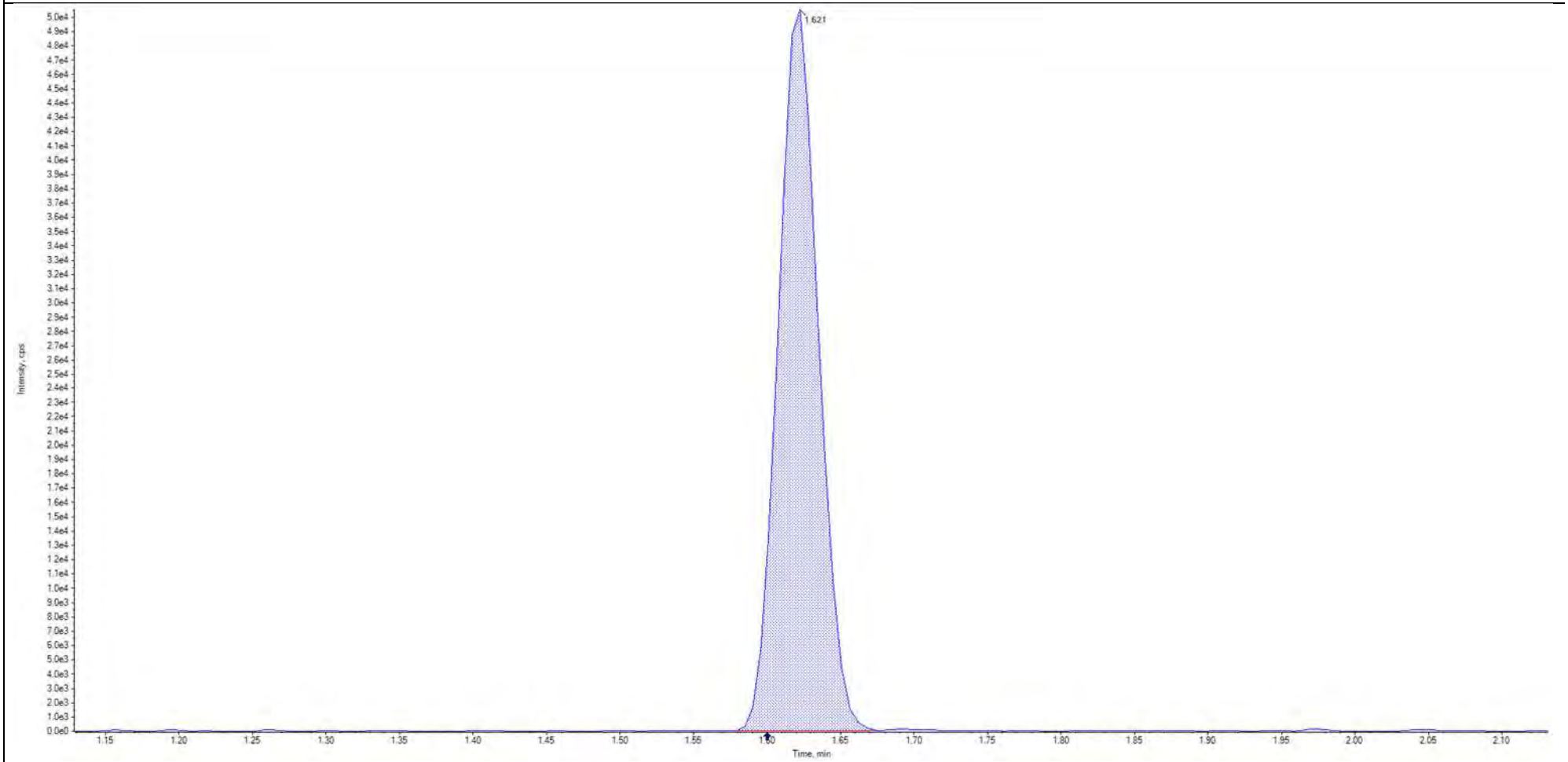
13C3-PFHxS
Sample: WG2012688-5,1633FMED



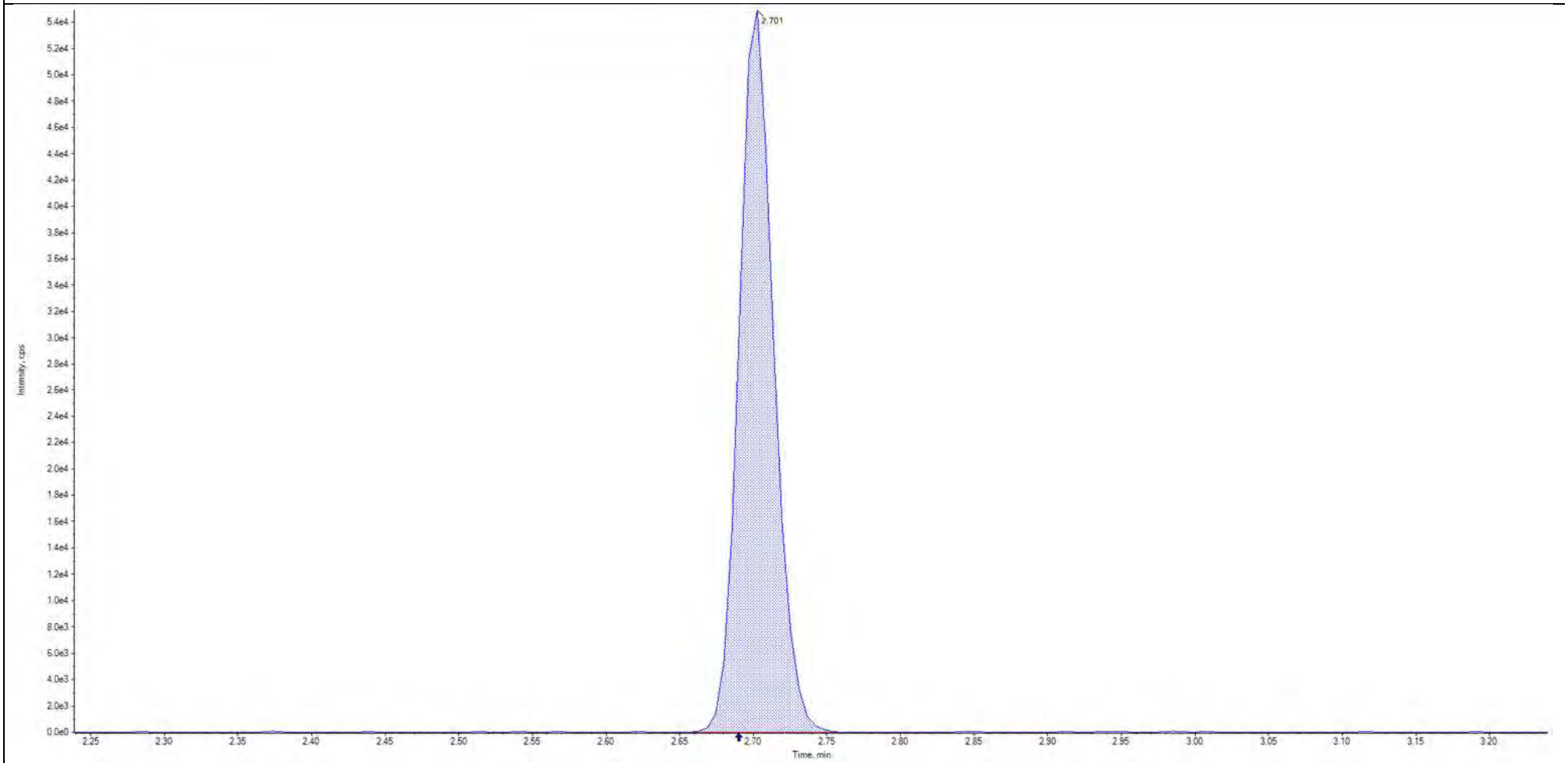
13C8-PFOS
Sample: WG2012688-5,1633FMED



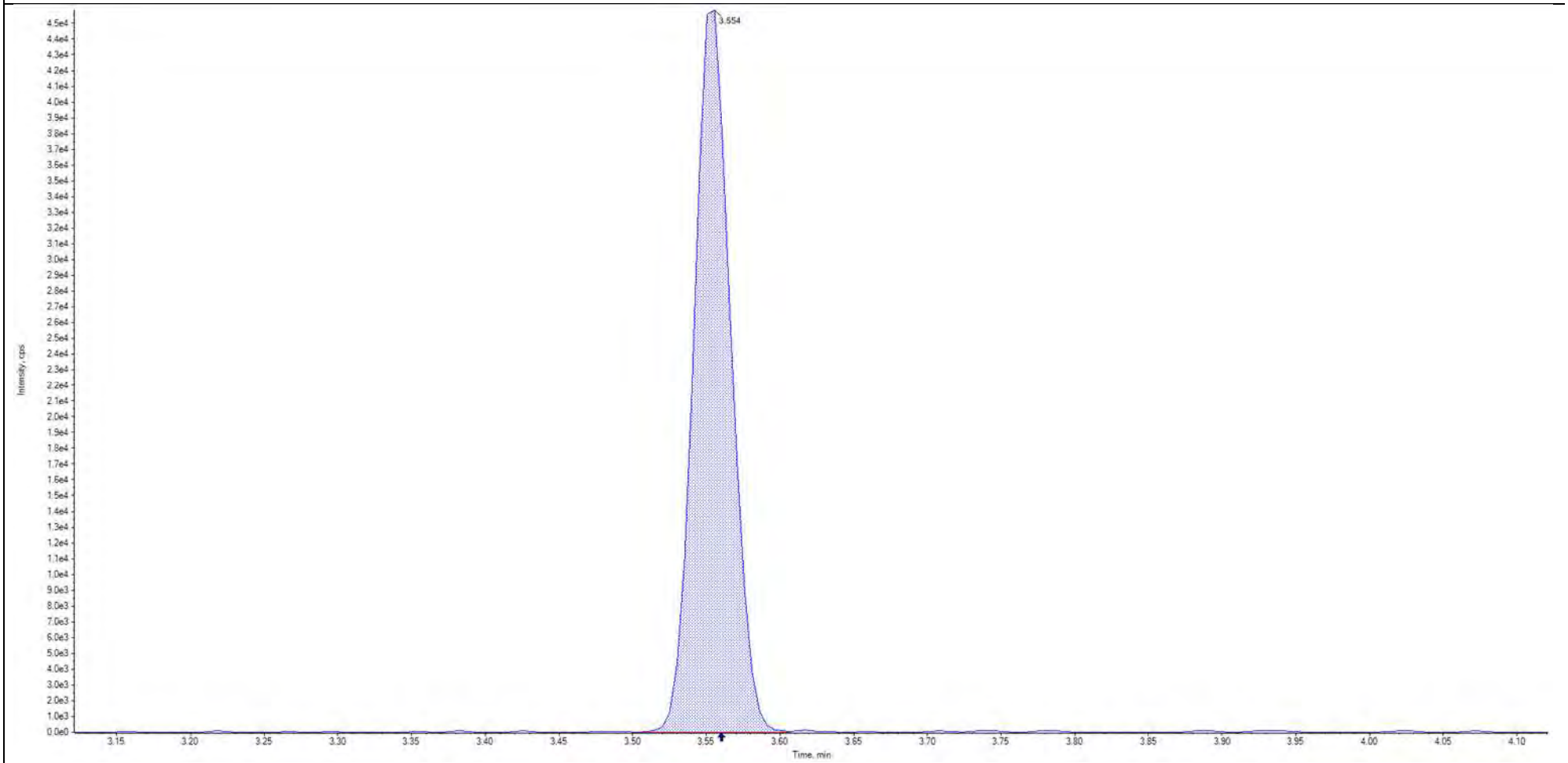
13C2-4:2FTS
Sample: WG2012688-5,1633FMED



13C2-6:2FTS
Sample: WG2012688-5,1633FMED



13C2-8:2FTS
Sample: WG2012688-5,1633FMED



13C8-PFOSA
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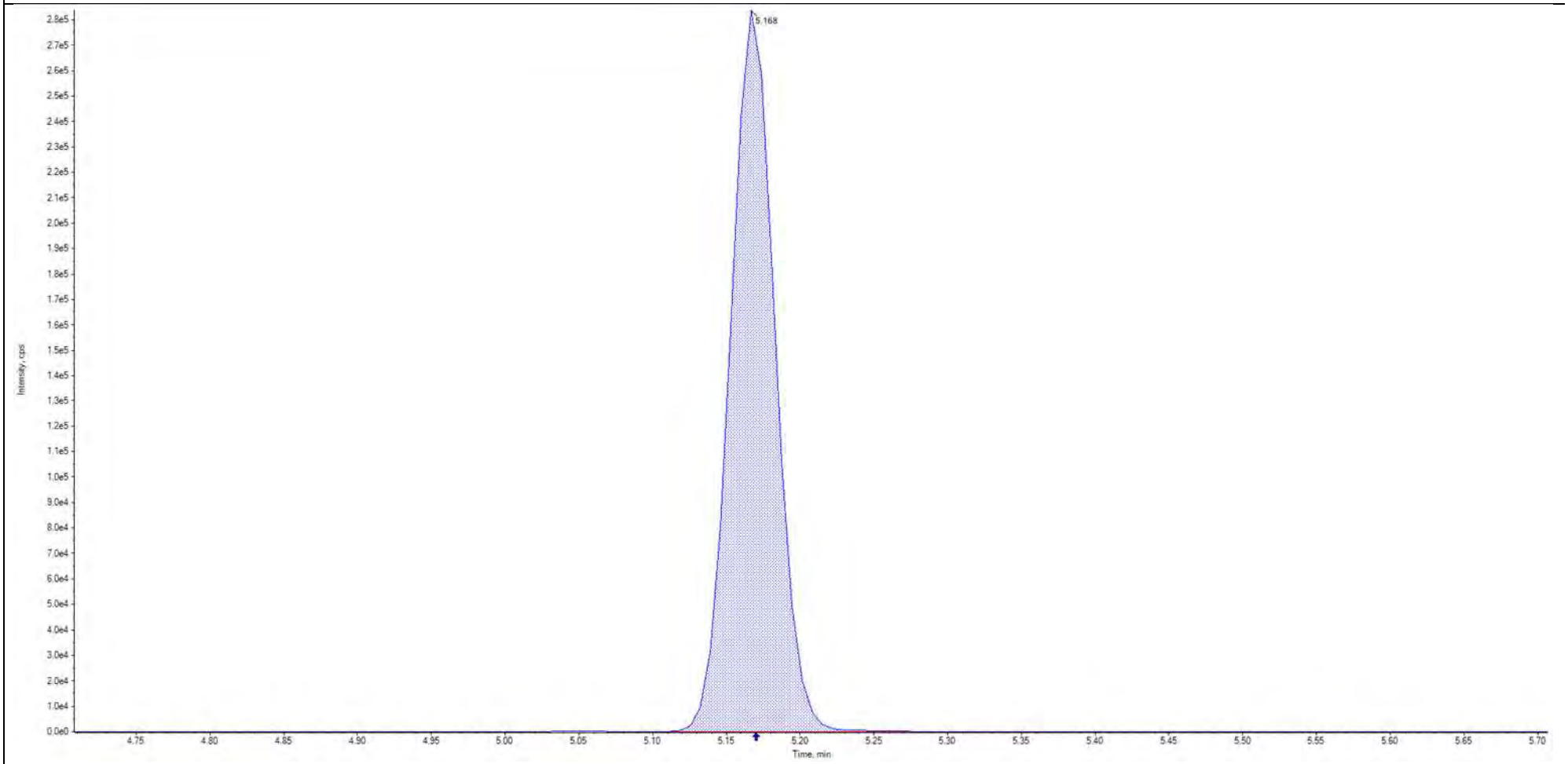
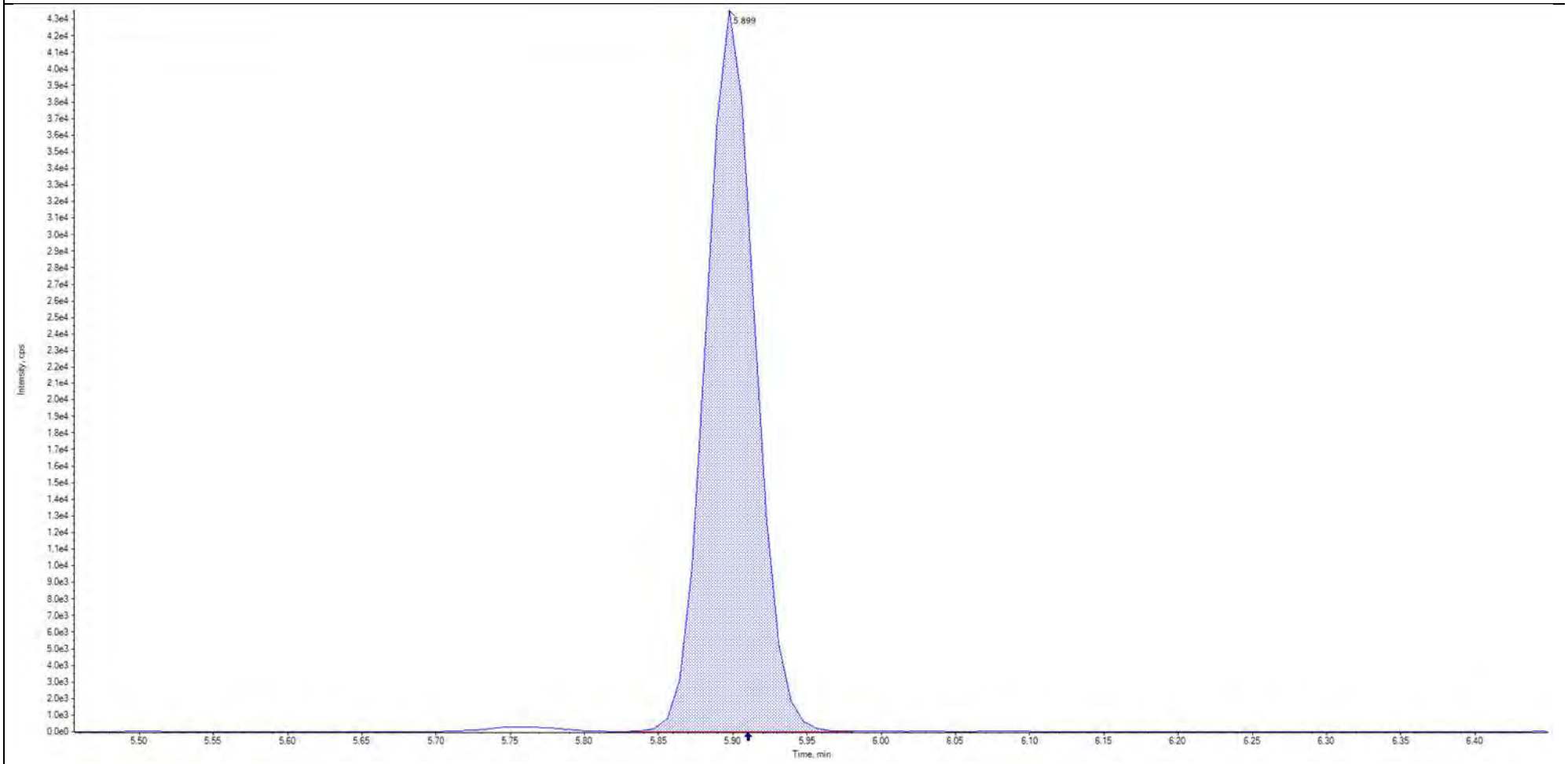


d3-NMeFOSA
Sample: WG2012688-5,1633FMED



d5-NEtFOSA
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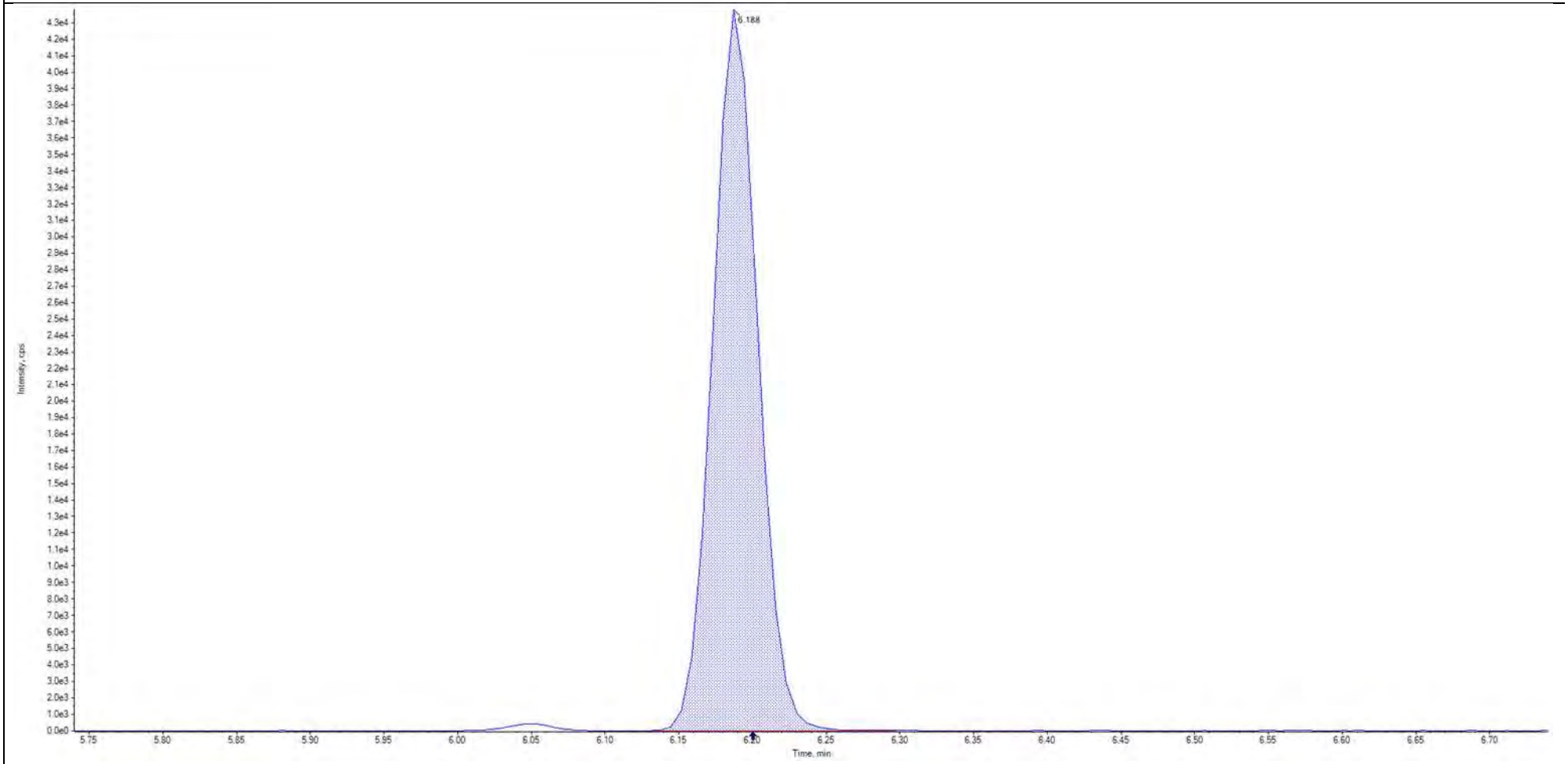
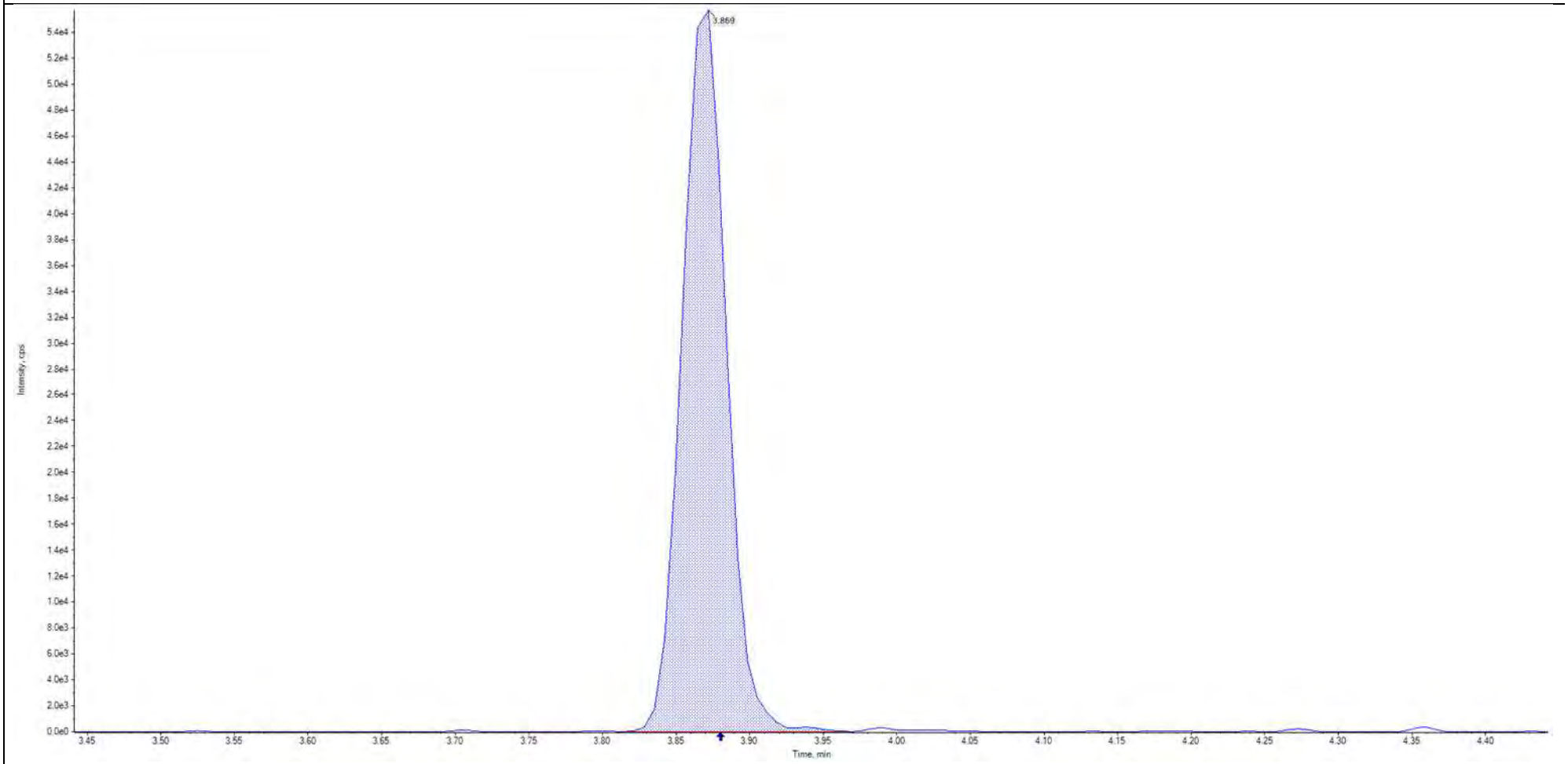
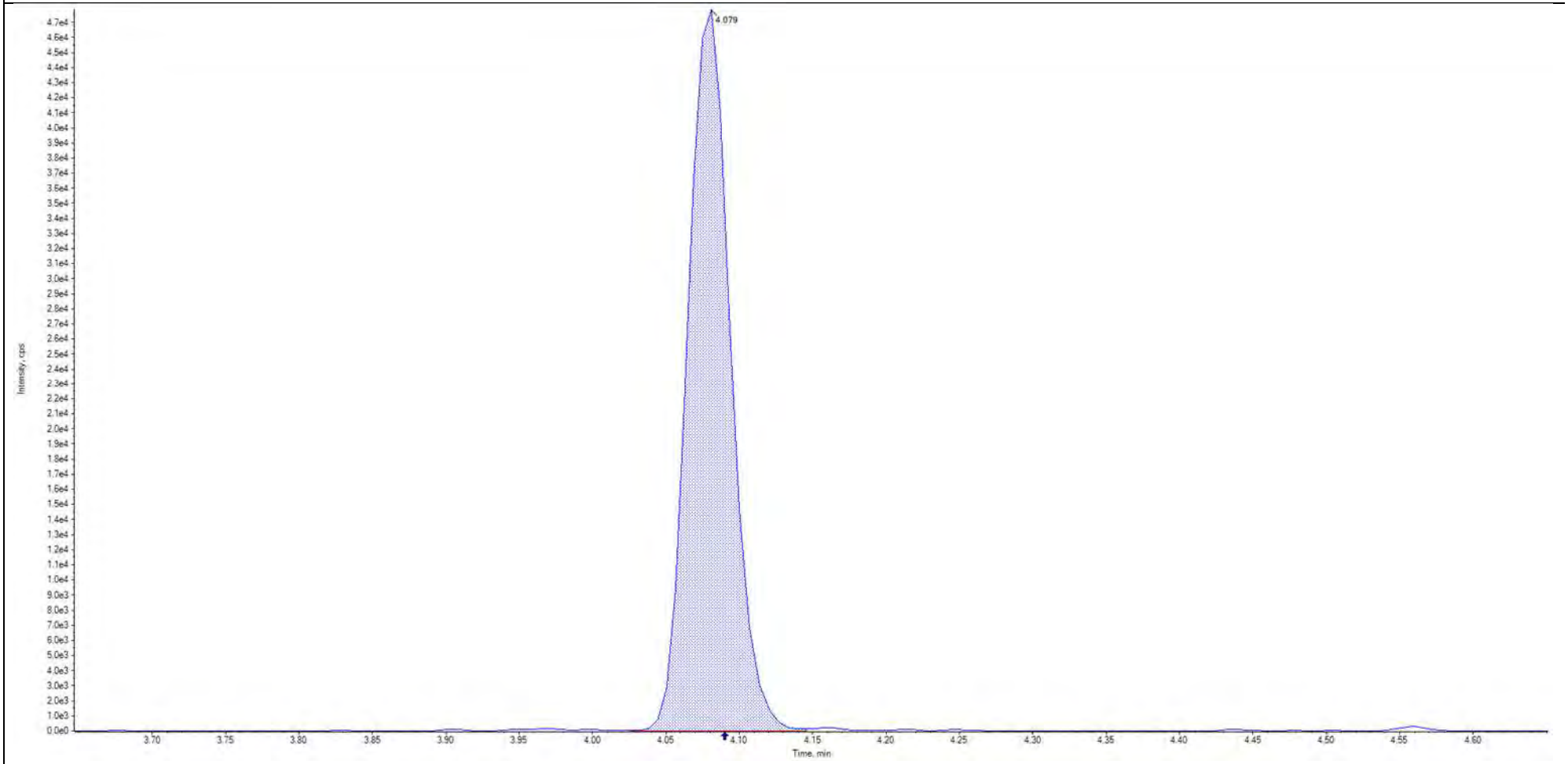


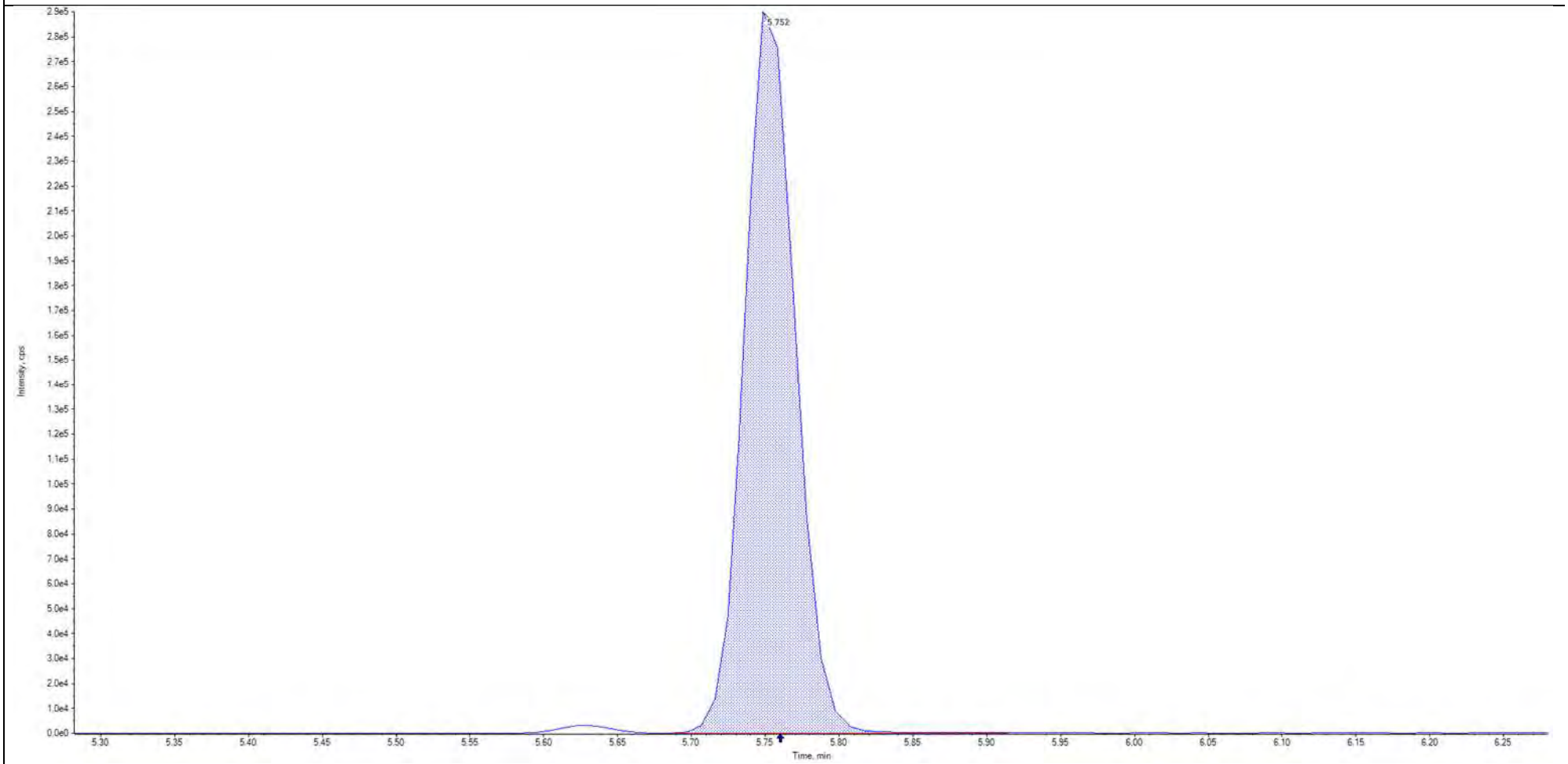
d3-NMeFOSAA
Sample: WG2012688-5,1633FMED



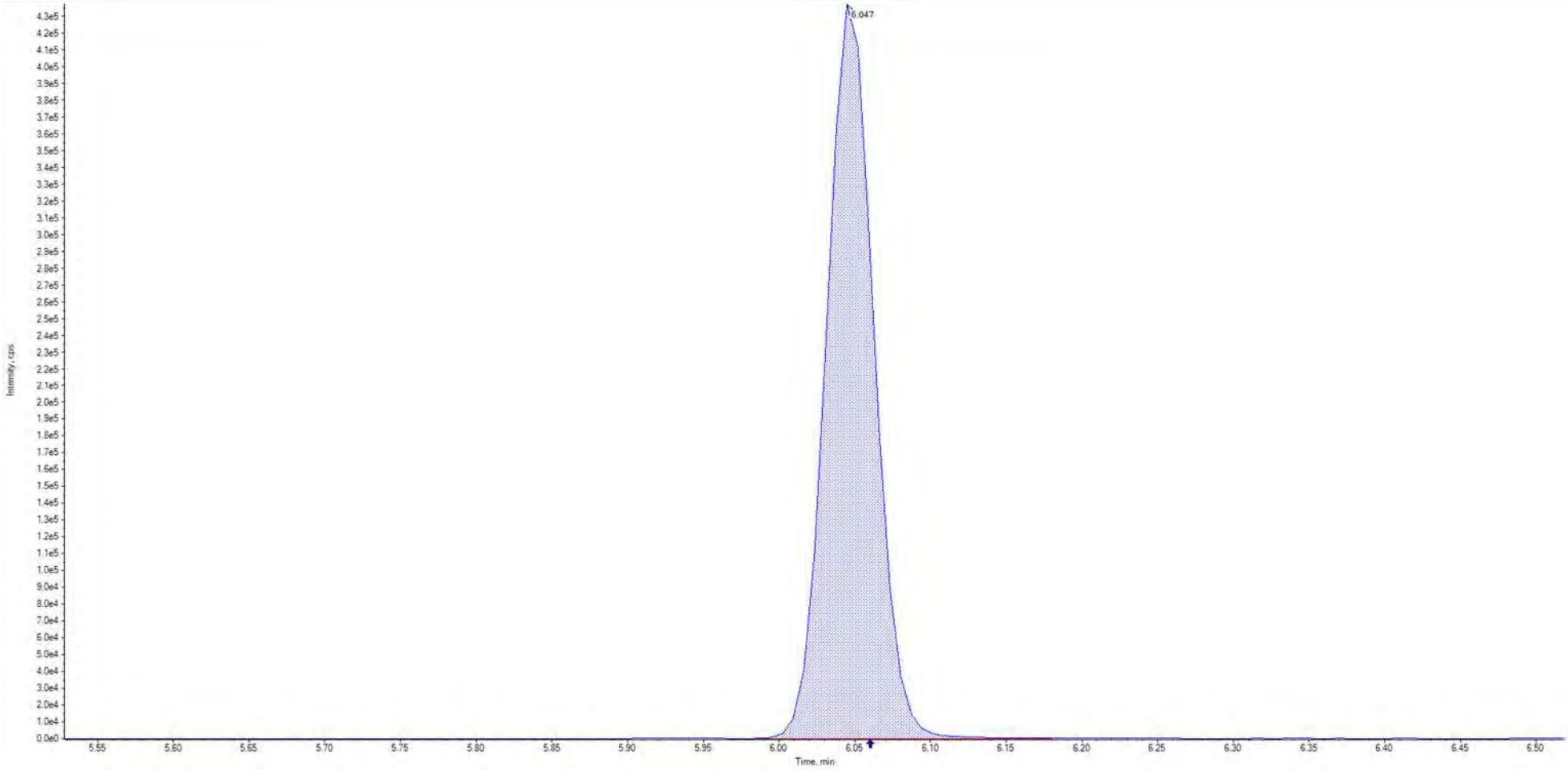
d5-NEtFOSAA
Sample: WG2012688-5,1633FMED



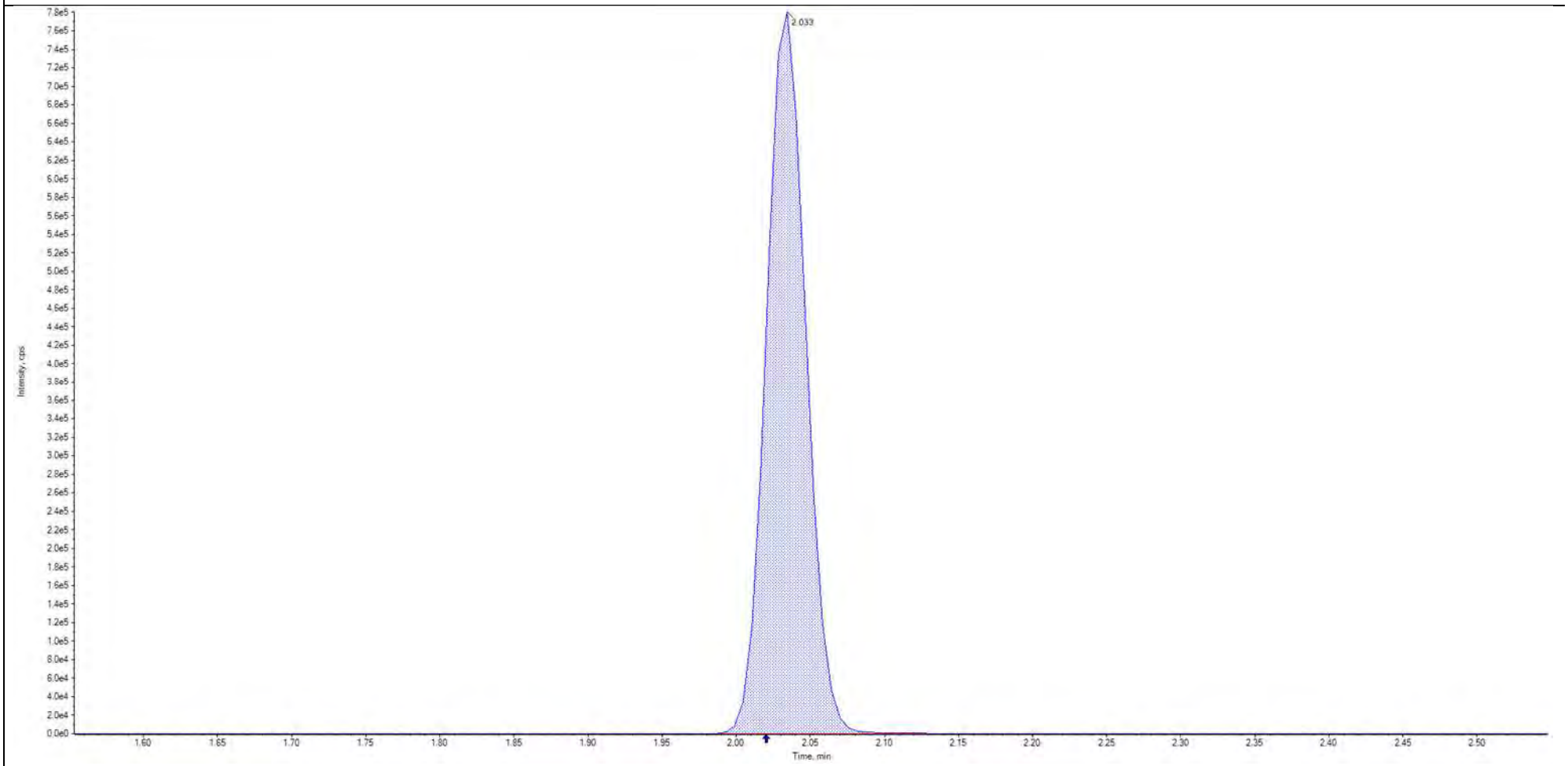
d7-NMeFOSE
Sample: WG2012688-5,1633FMED



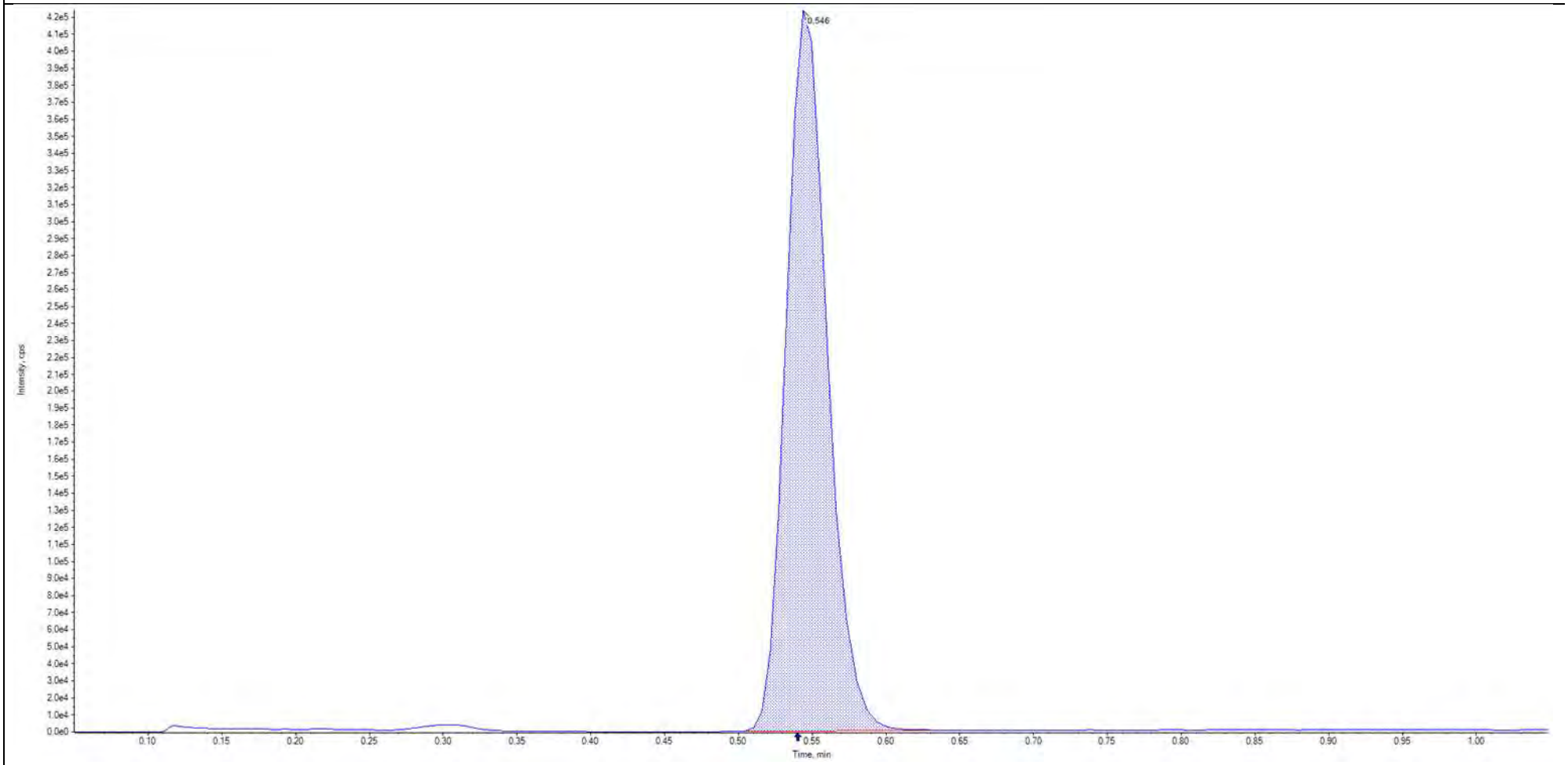
d9-NEtFOSE
Sample: WG2012688-5,1633FMED



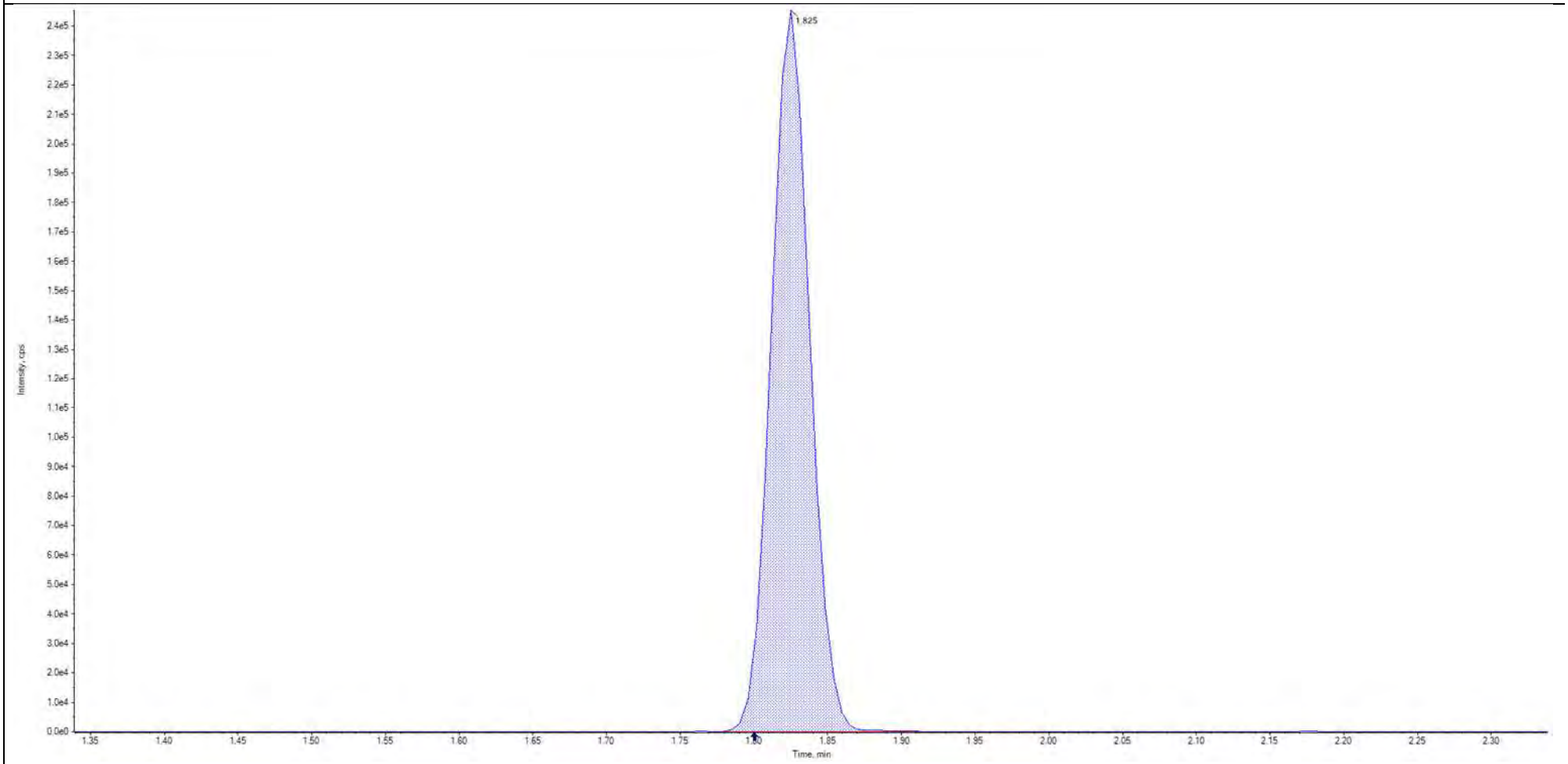
13C3-HFPO-DA
Sample: WG2012688-5,1633FMED



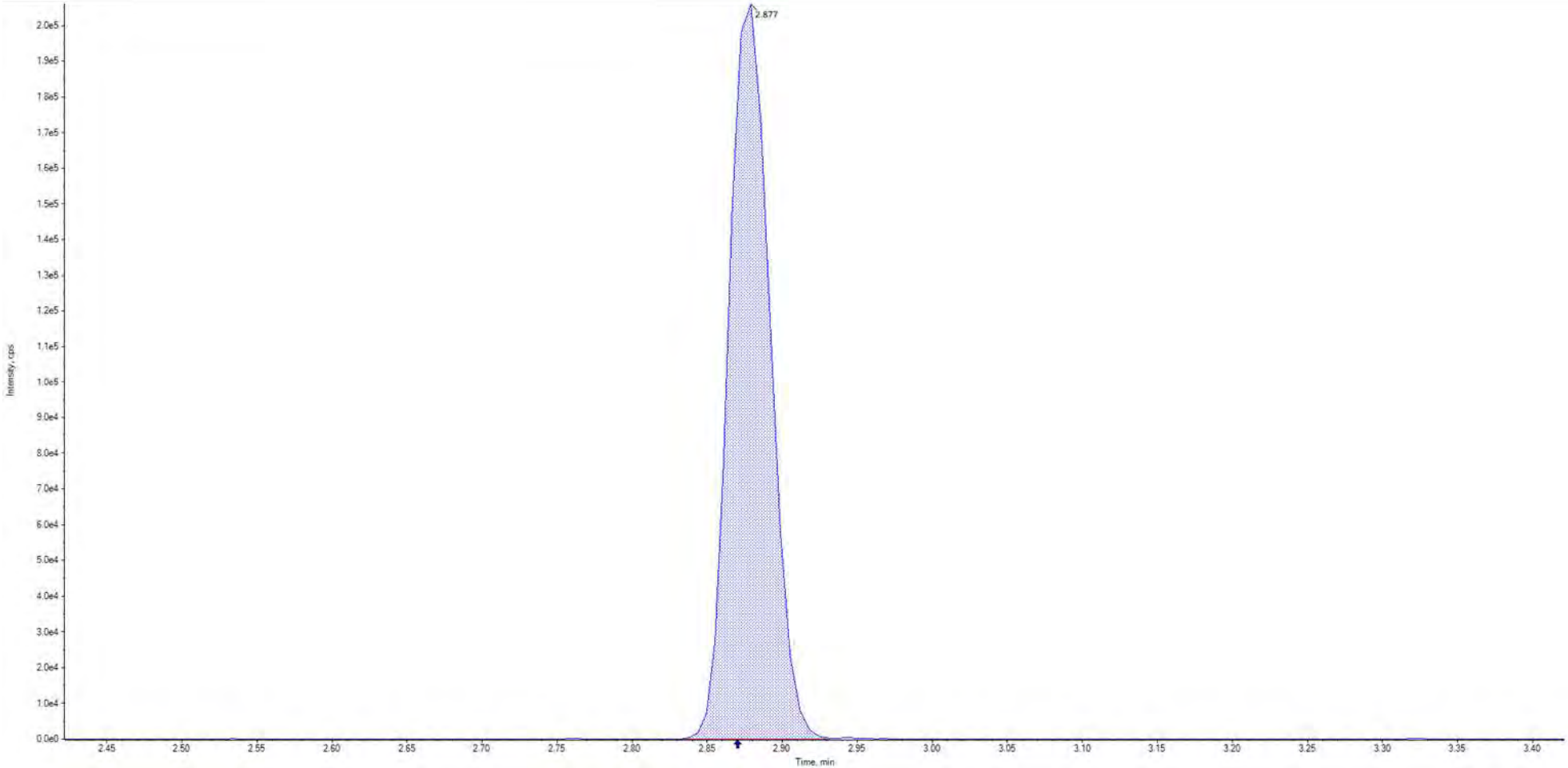
13C3-PFBA
Sample: WG2012688-5,1633FMED



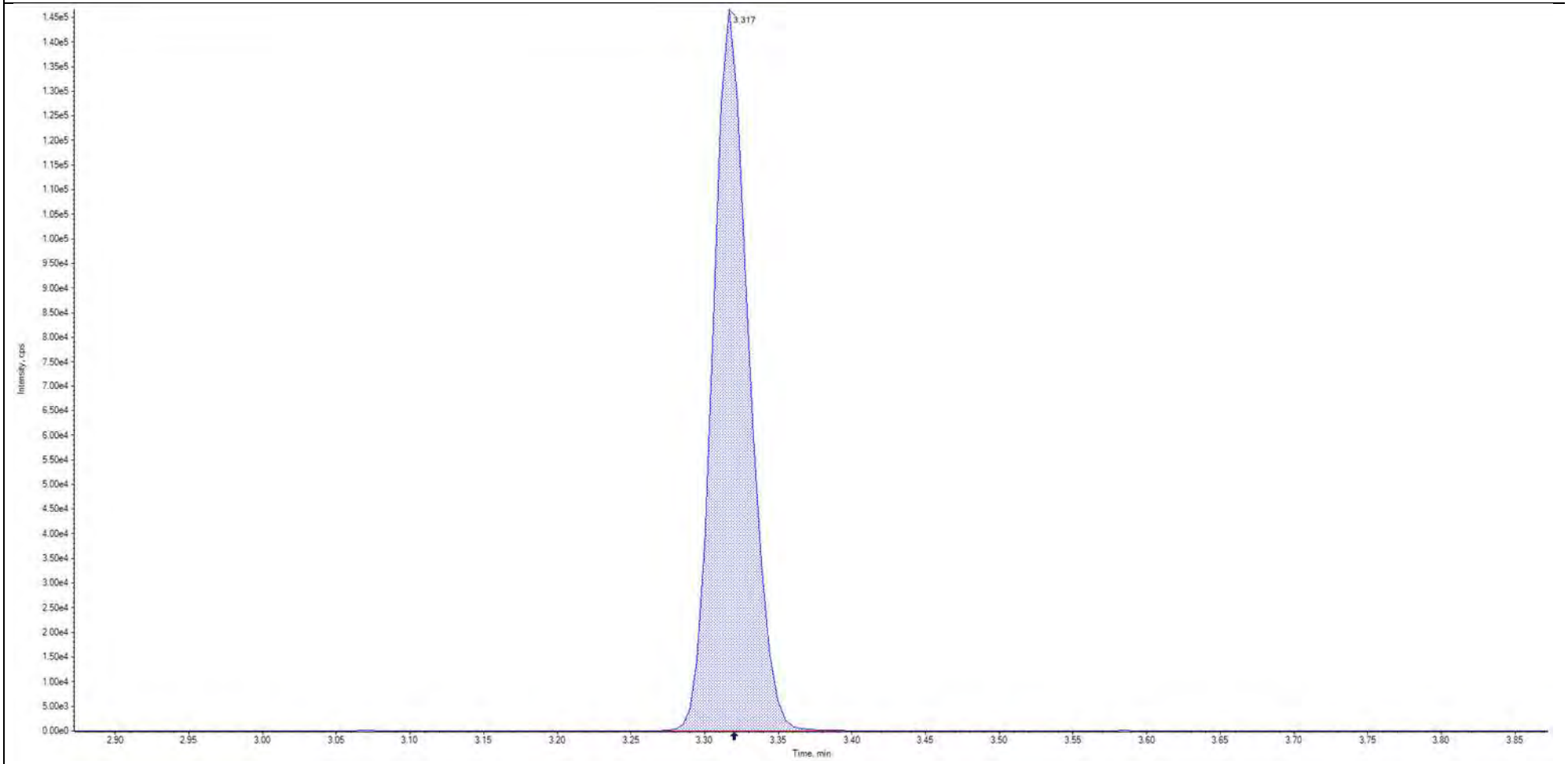
13C2-PFHxA
Sample: WG2012688-5,1633FMED



13C4-PFOA
Sample: WG2012688-5,1633FMED



13C5-PFNA
Sample: WG2012688-5,1633FMED



13C2-PFDA
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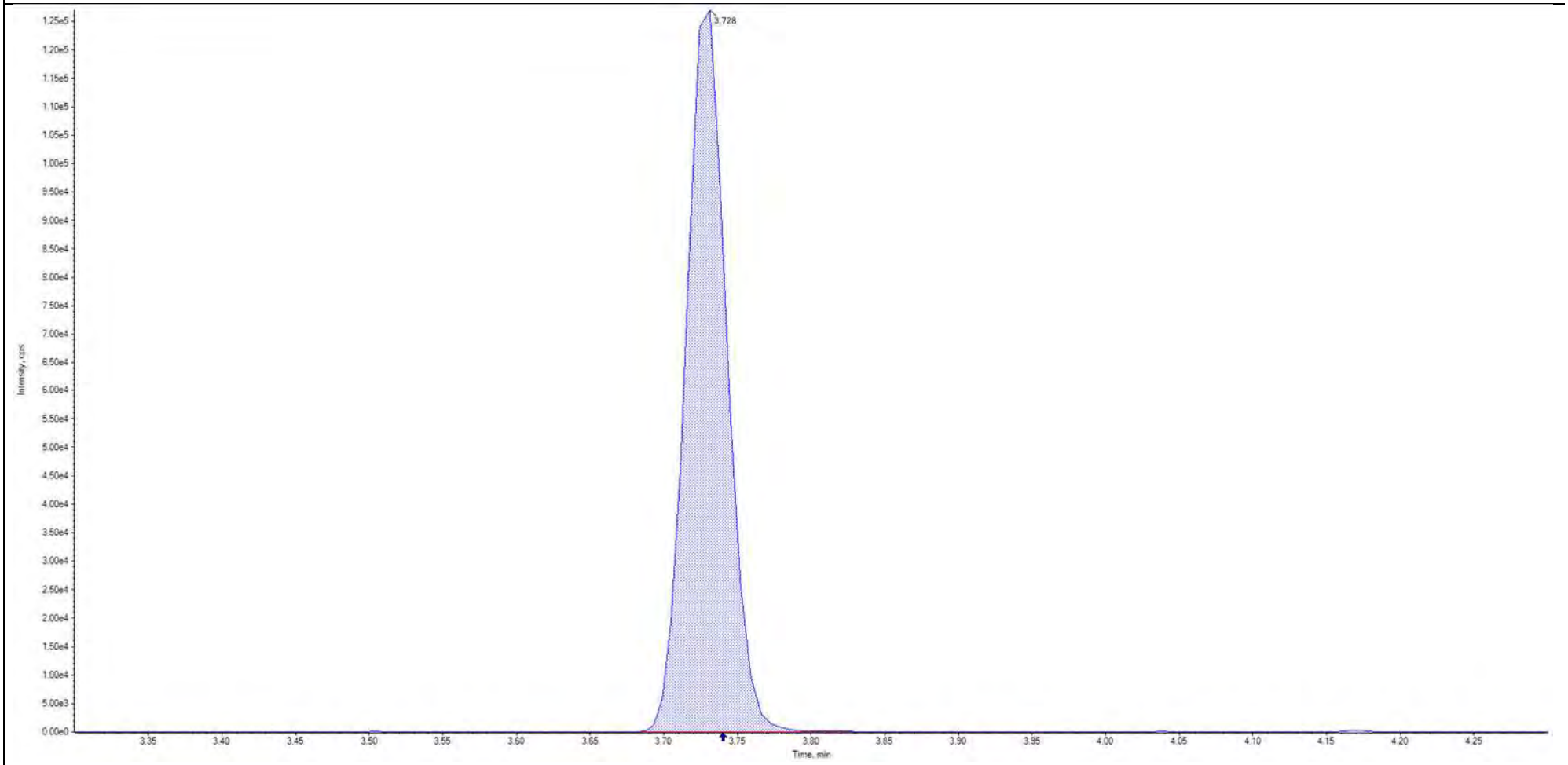
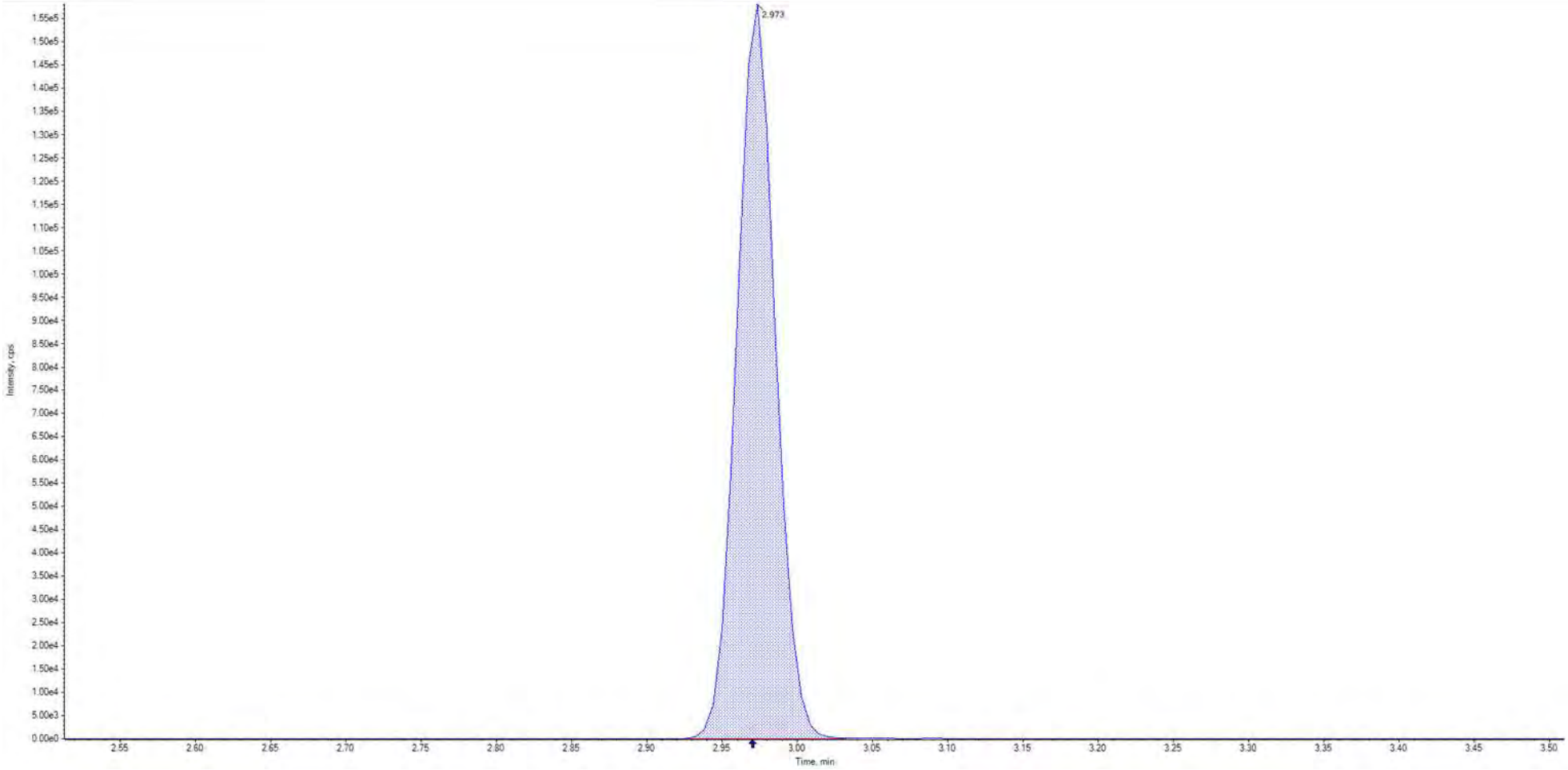
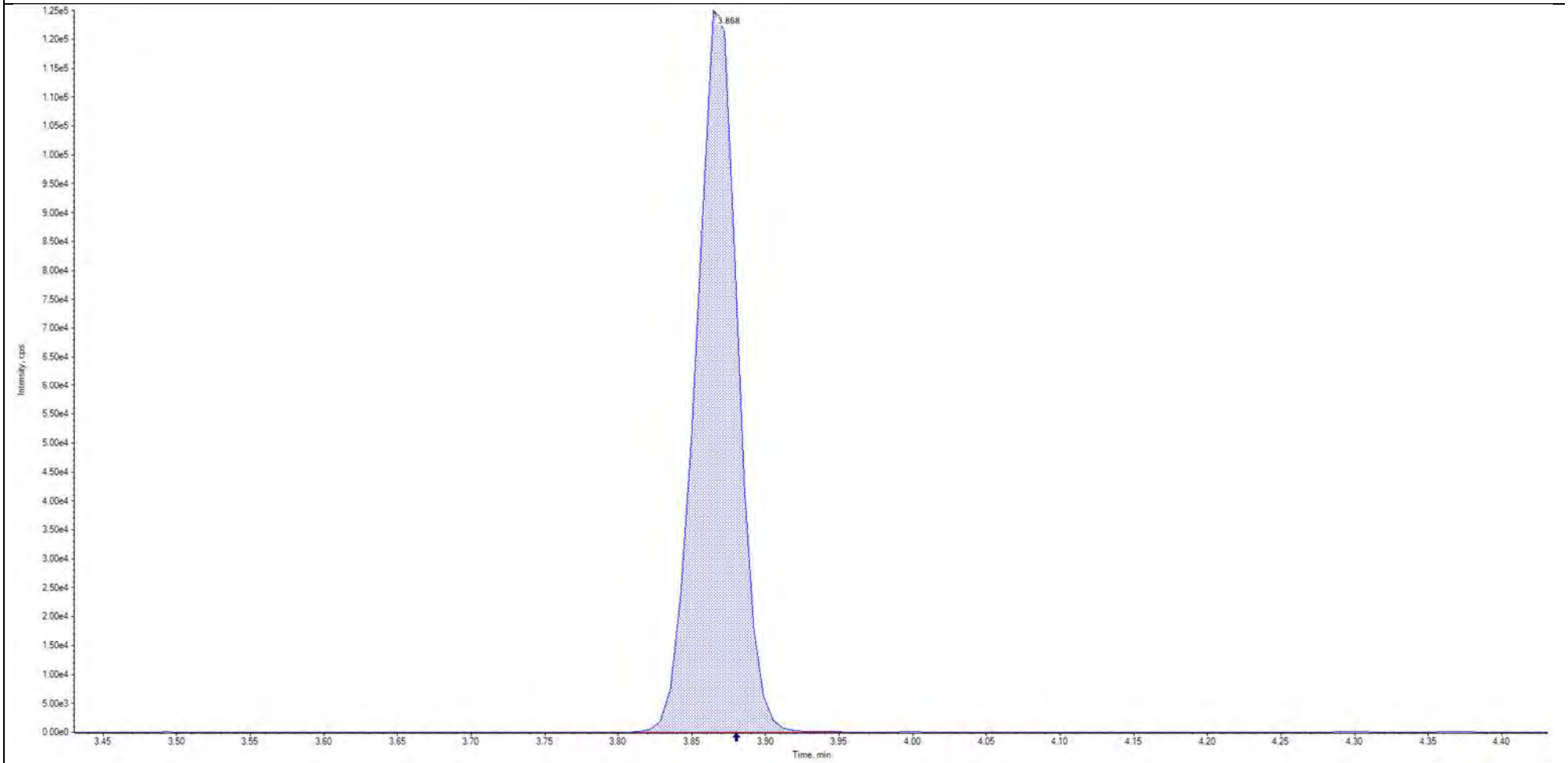


18O2-PFHxS
Sample: WG2012688-5,1633FMED



13C4-PFOS
Sample: WG2012688-5,1633FMED



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_34.wiff2_19
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Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_16.wiff2_1
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

Method: EPA1633F.qmethod
Calibration: 241112_1633_ICAL

ID: WG2013165-1,1633LOW
Name: SCI09_241224_16.wiff2
Date & Time: 2024-12-24T11:12:01
Description: WG2013165,WG2000000,ICAL21696,1633LOW
Instrument: SCIEX Triple Quad 5500+
User: LCMS09:AC

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.52	213.0 / 169.0	145994		0.789	N/A	N/A	N/A	98.6
2	PFPeA	2706-90-3	1.04	263.0 / 219.0	64225		0.399	0.007	N/A	N/A	99.7
3	PFPeA_2	2706-90-3	1.04	263.0 / 68.9	425	m2	0.303	0.007	N/A	N/A	75.7
4	PFHxA	307-24-4	1.81	313.0 / 269.0	41075		0.227	0.080	0.089	Pass	113.5
5	PFHxA_2	307-24-4	1.81	313.0 / 119.0	3305		0.201	0.080	0.089	Pass	100.5
6	PFHpA	375-85-9	2.39	363.1 / 319.0	44285		0.225	0.352	0.384	Pass	112.3
7	PFHpA_2	375-85-9	2.39	363.1 / 169.0	15600		0.203	0.352	0.384	Pass	101.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	2.88	413.1 / 369.1	47260	m5	0.207	0.380	0.410	Pass	103.6
9	PFOA_2	335-67-1	2.88	413.1 / 169.0	17944	m5	0.192	0.380	0.410	Pass	96.2
10	PFNA	375-95-1	3.31	462.8 / 418.9	40569	m5	0.198	0.367	0.341	Pass	99.1
11	PFNA_2	375-95-1	3.31	462.8 / 219.0	14892	m5	0.211	0.367	0.341	Pass	105.5
12	PFDA	335-76-2	3.73	513.1 / 469.1	47062		0.207	0.171	0.215	Pass	103.7
13	PFDA_2	335-76-2	3.73	513.1 / 219.0	8058		0.189	0.171	0.215	Pass	94.3
14	PFUnA	2058-94-8	4.12	563.1 / 519.1	44005		0.189	0.170	0.151	Pass	94.6
15	PFUnA_2	2058-94-8	4.12	563.1 / 269.0	7465		0.216	0.170	0.151	Pass	107.8
16	PFDoA	307-55-1	4.50	613.1 / 569.1	50209		0.212	0.134	0.140	Pass	105.8
17	PFDoA_2	307-55-1	4.50	613.1 / 319.0	6703		0.201	0.134	0.140	Pass	100.5
18	PFTrDA	72629-94-8	4.87	663.1 / 619.1	43889		0.203	0.154	0.159	Pass	101.5
19	PFTrDA_2	72629-94-8	4.87	663.1 / 169.0	6759		0.202	0.154	0.159	Pass	101.1
20	PFTeDA	376-06-7	5.23	713.1 / 669.1	36561		0.192	0.173	0.159	Pass	95.9
21	PFTeDA_2	376-06-7	5.23	713.1 / 169.0	6321		0.207	0.173	0.159	Pass	103.7
22	PFBS	375-73-5	1.79	299.1 / 80.1	31580		0.172	0.371	0.398	Pass	96.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	1.79	299.1 / 99.1	11706		0.183	0.371	0.398	Pass	97.2
24	PFPeS	2706-91-4	2.44	349.1 / 80.1	29845		0.181	0.344	0.285	Pass	96.4
25	PFPeS_2	2706-91-4	2.44	349.1 / 99.1	10265		0.199	0.344	0.285	Pass	105.9
26	PFHxS	355-46-4	2.97	399.1 / 80.1	27914	m5	0.176	0.303	0.293	Pass	97.0
27	PFHxS_2	355-46-4	2.97	399.1 / 99.1	8469	m5	0.186	0.303	0.293	Pass	102.3
28	PFHpS	375-92-8	3.43	449.1 / 80.1	25038		0.170	0.382	0.308	Pass	89.6
29	PFHpS_2	375-92-8	3.43	449.1 / 99.1	9553		0.223	0.382	0.308	Pass	117.1
30	PFOS	1763-23-1	3.86	499.1 / 80.1	28293	m5	0.166	0.250	0.241	Pass	89.2
31	PFOS_2	1763-23-1	3.86	499.1 / 99.1	7079	m5	0.171	0.250	0.241	Pass	92.1
32	PFNS	68259-12-1	4.27	549.1 / 80.1	23102		0.188	0.259	0.299	Pass	98.0
33	PFNS_2	68259-12-1	4.27	549.1 / 99.1	5988		0.167	0.259	0.299	Pass	87.2
34	PFDS	335-77-3	4.66	599.1 / 80.1	22683		0.174	0.273	0.274	Pass	90.1
35	PFDS_2	335-77-3	4.65	599.1 / 99.1	6183		0.166	0.273	0.274	Pass	85.9
36	PFDoS	79780-39-5	5.38	699.2 / 80.1	19019		0.167	0.252	0.247	Pass	86.3
37	PFDoS_2	79780-39-5	5.38	699.2 / 99.1	4796		0.165	0.252	0.247	Pass	84.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	1.60	327.1 / 307.1	31968		0.811	0.639	0.634	Pass	108.1
39	4:2FTS_2	757124-72-4	1.60	327.1 / 81.1	20437		0.820	0.639	0.634	Pass	109.3
40	6:2FTS	27619-97-2	2.70	427.2 / 407.2	24829		0.763	0.606	0.609	Pass	100.3
41	6:2FTS_2	27619-97-2	2.70	427.2 / 81.1	15055		0.745	0.606	0.609	Pass	97.9
42	8:2FTS	39108-34-4	3.55	527.2 / 507.2	18178		0.769	0.674	0.681	Pass	100.1
43	8:2FTS_2	39108-34-4	3.55	527.2 / 81.1	12250		0.800	0.674	0.681	Pass	104.1
44	PFOSA	754-91-6	5.17	498.1 / 78.1	39361	m5	0.185	0.025	0.024	Pass	92.5
45	PFOSA_2	754-91-6	5.16	498.1 / 478.0	986	m5	0.188	0.025	0.024	Pass	93.9
46	NMeFOSA	31506-32-8	5.90	512.2 / 219.0	9430	m5	0.198	1.373	1.421	Pass	99.2
47	NMeFOSA_2	31506-32-8	5.85	512.2 / 169.0	12945	m5	0.189	1.373	1.421	Pass	94.6
48	NEtFOSA	4151-50-2	6.20	526.2 / 219.0	8961	m5	0.211	1.265	1.258	Pass	105.3
49	NEtFOSA_2	4151-50-2	6.16	526.2 / 169.0	11337	m5	0.206	1.265	1.258	Pass	103.0
50	NMeFOSAA	2355-31-9	3.87	570.2 / 419.1	3854	m5	0.180	0.418	0.683	Pass	90.3
51	NMeFOSAA_2	2355-31-9	3.86	570.2 / 483.0	1609	m5	0.108	0.418	0.683	Pass	53.8
52	NEtFOSAA	2991-50-6	4.08	584.2 / 419.1	4841		0.223	0.633	0.571	Pass	111.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.08	584.2 / 526.2	3063	m5	0.243	0.633	0.571	Pass	121.4
54	NMeFOSE	24448-09-7	5.77	616.1 / 58.9	125537	m5	1.881	N/A	N/A	N/A	94.0
55	NEtFOSE	1691-99-2	6.07	630.0 / 58.9	183371	m5	2.032	N/A	N/A	N/A	101.6
56	HFPO-DA	13252-13-6	2.02	285.0 / 169.0	122857		0.791	0.573	0.510	Pass	98.8
57	HFPO-DA_2	13252-13-6	2.02	285.0 / 184.9	70458		0.846	0.573	0.510	Pass	105.7
58	ADONA	919005-14-4	2.57	376.9 / 251.0	199535		0.780	0.869	0.636	Pass	103.2
59	ADONA_2	919005-14-4	2.58	376.9 / 84.8	173406		0.892	0.869	0.636	Pass	118.0
60	9Cl-PF3ONS	756426-58-1	4.14	530.8 / 351.1	247740		0.807	0.315	0.326	Pass	108.1
61	9Cl-PF3ONS_2	756426-58-1	4.14	532.8 / 353.0	77971		0.760	0.315	0.326	Pass	101.8
62	11Cl-PF3OUdS	763051-92-9	4.91	630.9 / 451.0	221580		0.815	0.314	0.318	Pass	108.0
63	11Cl-PF3OUdS_2	763051-92-9	4.91	632.9 / 452.9	69529		0.798	0.314	0.318	Pass	105.9
64	3:3FTCA	356-02-5	1.40	241.1 / 177.1	10246		0.789	1.437	1.068	Pass	78.9
65	3:3FTCA_2	356-02-5	1.41	241.1 / 117.0	14727		1.058	1.437	1.068	Pass	105.8
66	5:3FTCA	914637-49-3	2.95	341.1 / 237.1	226603		4.775	1.060	1.045	Pass	95.5
67	5:3FTCA_2	914637-49-3	2.95	341.1 / 217.0	240223		4.951	1.060	1.045	Pass	99.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	3.97	441.1 / 316.9	189546		4.641	1.484	1.285	Pass	92.8
69	7:3FTCA_2	812-70-4	3.98	441.1 / 337.1	281252		5.310	1.484	1.285	Pass	106.2
70	PFEESA	113507-82-7	2.10	315.1 / 135.0	188633		0.362	0.079	0.081	Pass	101.5
71	PFEESA_2	113507-82-7	2.10	315.1 / 82.9	14985		0.355	0.079	0.081	Pass	99.3
72	PFMPA	377-73-1	0.66	229.0 / 85.0	68190		0.355	N/A	N/A	N/A	88.8
73	PFMBA	863090-89-5	1.31	279.0 / 85.0	73662		0.360	N/A	N/A	N/A	89.9
74	NFDHA	151772-58-6	1.73	295.0 / 201.0	51876		0.474	0.754	0.681	Pass	118.6
75	NFDHA_2	151772-58-6	1.73	295.0 / 84.9	39094		0.496	0.754	0.681	Pass	124.1
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	5.357	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	5.357	N/A	N/A
78	13C2D4-4:2FTS	Surr	1.59	333.2 / 312.1	138702		5.471	N/A	N/A	N/A	109.4
79	13C2-PFOA	Surr	2.87	415.0 / 370.0	364467		2.477	N/A	N/A	N/A	99.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.52	217.0 / 172.0	2170544		10.078	NA	NA	NA	100.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.03	268.0 / 223.0	919226		5.547	NA	NA	NA	110.9
	13C5-PFHxA	EIS	1.80	318.0 / 273.0	394583		2.257	NA	NA	NA	90.3
	13C4-PFHpA	EIS	2.39	367.0 / 322.0	323788		2.219	NA	NA	NA	88.8
	13C8-PFOA	EIS	2.87	420.8 / 376.0	705304		2.721	NA	NA	NA	108.8
	13C9-PFNA	EIS	3.31	472.0 / 427.0	288450		1.294	NA	NA	NA	103.5
	13C6-PFDA	EIS	3.72	519.0 / 474.0	334943		1.357	NA	NA	NA	108.6
	13C7-PFUnA	EIS	4.12	570.0 / 525.0	357484		1.305	NA	NA	NA	104.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.50	615.1 / 570.0	337920		1.154	NA	NA	NA	92.3
	13C2-PFTeDA	EIS	5.23	715.1 / 670.1	241471		1.111	NA	NA	NA	88.9
	13C3-PFBS	EIS	1.79	302.1 / 80.1	427912		2.428	NA	NA	NA	104.2
	13C3-PFHxS	EIS	2.97	402.1 / 80.1	364567		2.335	NA	NA	NA	98.5
	13C8-PFOS	EIS	3.86	507.1 / 80.1	387296		2.589	NA	NA	NA	107.9
	13C2-4:2FTS	EIS	1.59	329.1 / 81.1	117671		4.805	NA	NA	NA	102.5
	13C2-6:2FTS	EIS	2.70	429.2 / 81.1	99008		4.555	NA	NA	NA	95.7
	13C2-8:2FTS	EIS	3.55	529.2 / 81.1	90834		3.531	NA	NA	NA	73.6

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C8-PFOSA	EIS	5.16	506.1 / 78.1	677182		2.667	NA	NA	NA	106.7
d3-NMeFOSA	EIS	5.89	515.2 / 219.0	110167		2.649	NA	NA	NA	106.0
d5-NEtFOSA	EIS	6.18	531.2 / 219.0	95626		2.534	NA	NA	NA	101.4
d3-NMeFOSAA	EIS	3.86	573.2 / 419.1	134586		5.213	NA	NA	NA	104.3
d5-NEtFOSAA	EIS	4.07	589.3 / 419.1	115127		4.525	NA	NA	NA	90.5
d7-NMeFOSE	EIS	5.75	623.2 / 58.9	774096		28.740	NA	NA	NA	115.0
d9-NEtFOSE	EIS	6.04	639.2 / 58.9	1045887		28.857	NA	NA	NA	115.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.02	287.0 / 169.0	1629530		9.542	NA	NA	NA	95.4
	13C3-PFBA	NIS	0.52	216.0 / 172.0	938820		7.403	NA	NA	NA	148.1
	13C2-PFHxA	NIS	1.80	315.0 / 270.0	485130		3.257	NA	NA	NA	130.3
	13C4-PFOA	NIS	2.87	417.0 / 372.0	413311		2.867	NA	NA	NA	114.7
	13C5-PFNA	NIS	3.31	468.0 / 423.0	277562		1.359	NA	NA	NA	108.7
	13C2-PFDA	NIS	3.72	515.1 / 470.1	292998		1.389	NA	NA	NA	111.1
	18O2-PFHxS	NIS	2.97	403.1 / 84.1	326048		2.794	NA	NA	NA	117.9
	13C4-PFOS	NIS	3.86	503.1 / 80.1	297895		2.374	NA	NA	NA	98.9

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	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec

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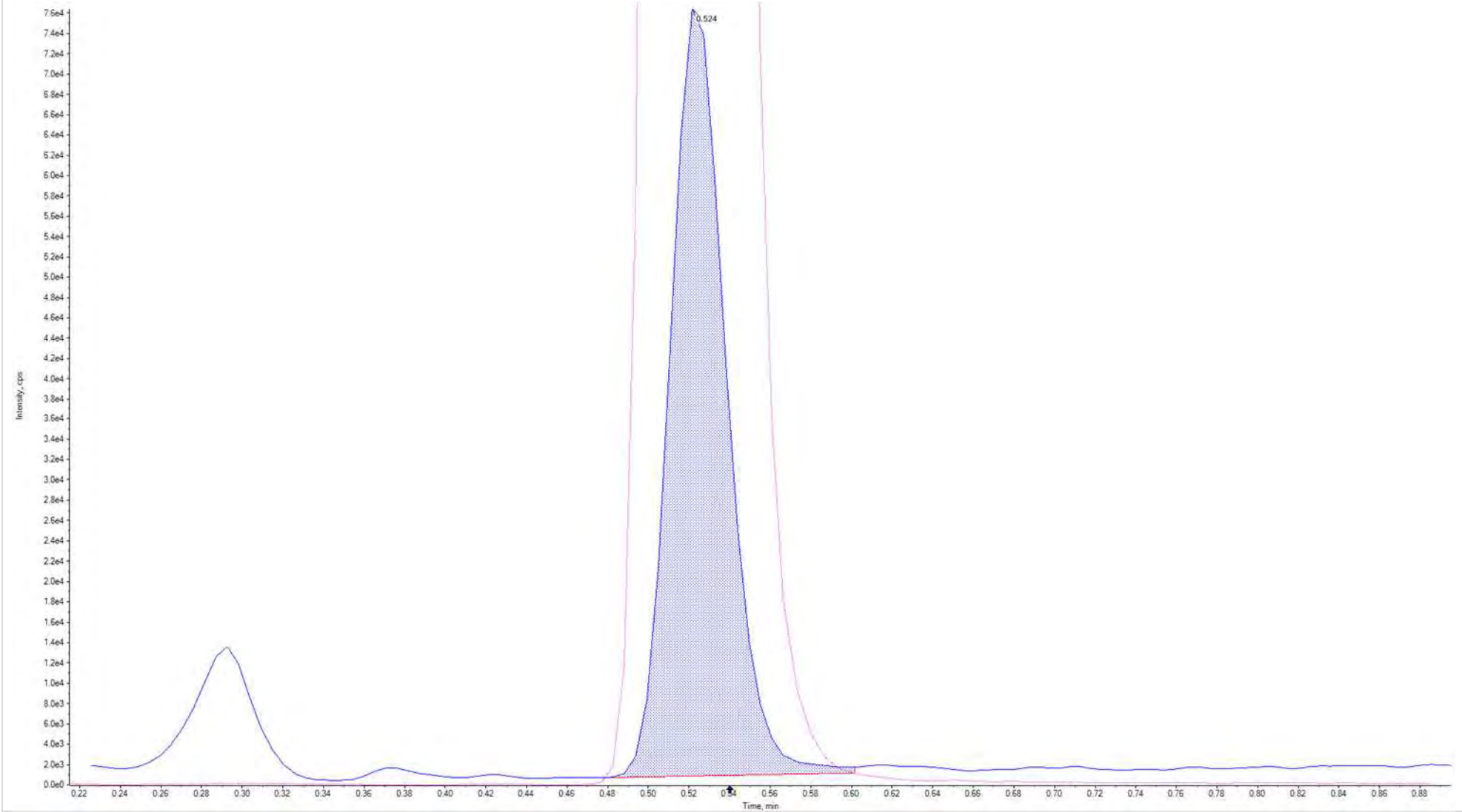
PFBA
Sample: WG2013165-1,1633LOW S/N:356.5 Points Across peak:22



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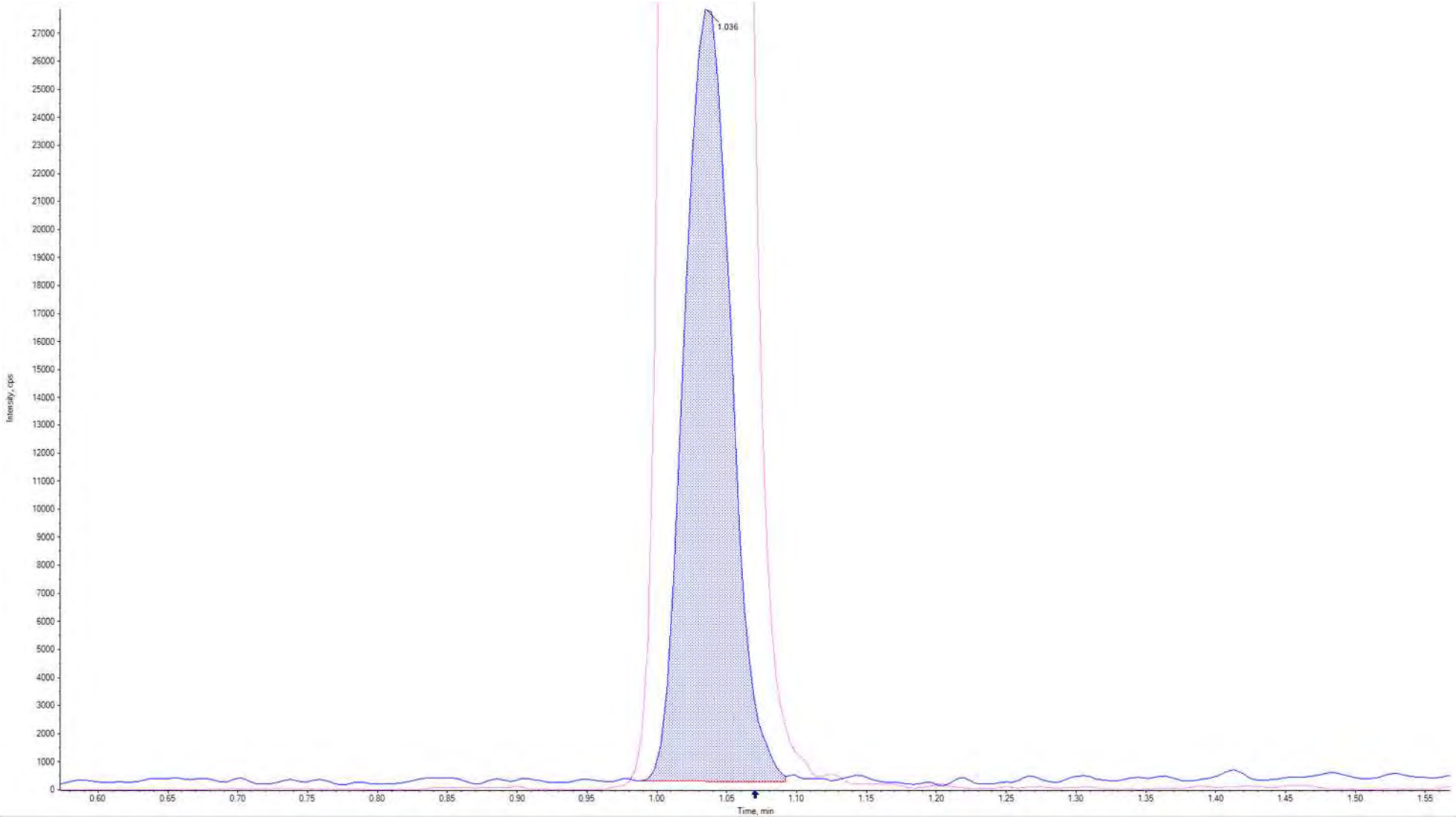
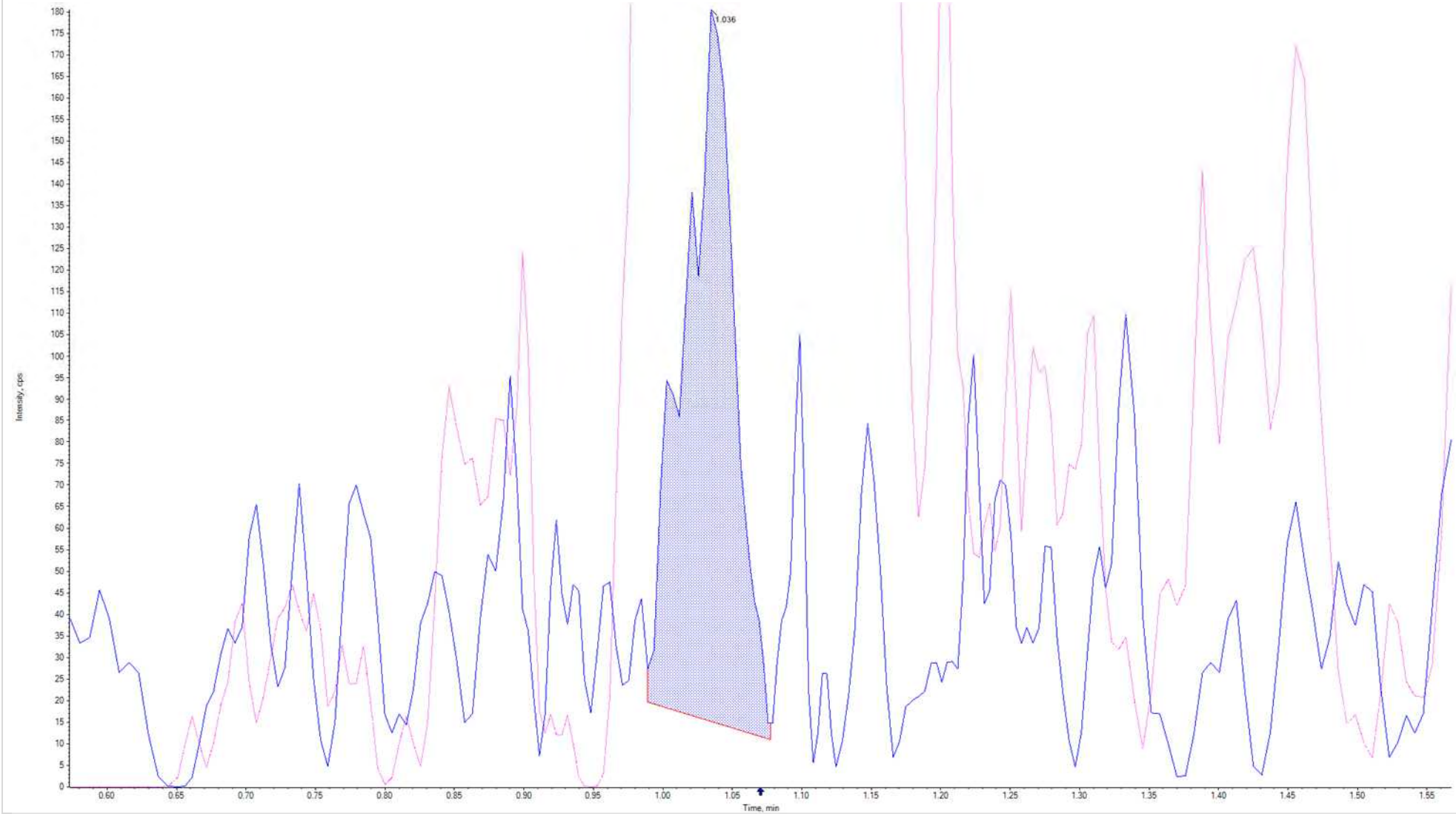
PFPeA
Sample: WG2013165-1,1633LOW S/N:636.6 Points Across peak:27



PFPeA_2
Sample: WG2013165-1,1633LOW S/N:9.9 Points Across peak:23



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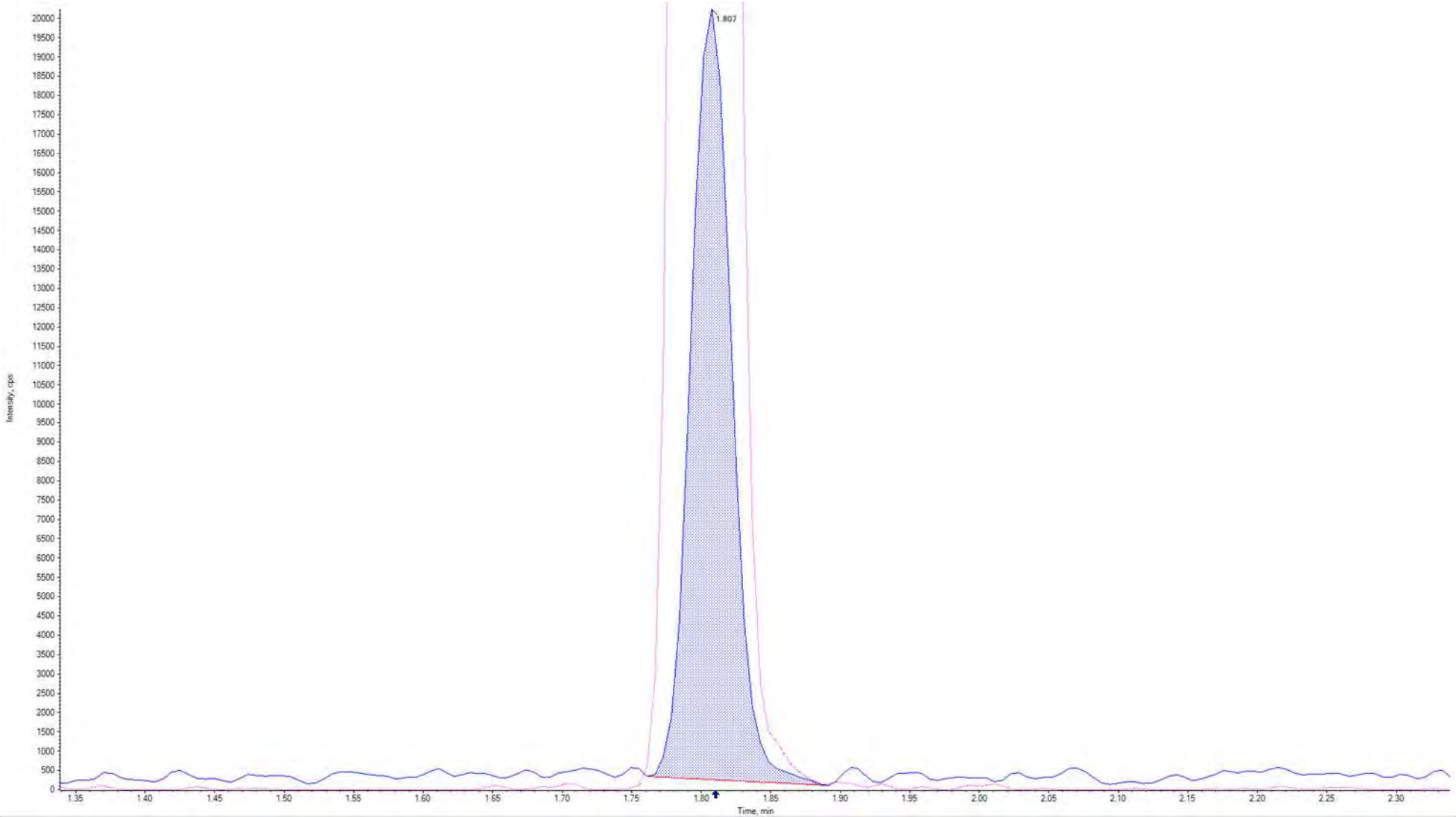
PFHxA
Sample: WG2013165-1,1633LOW S/N:438.6 Points Across peak:24



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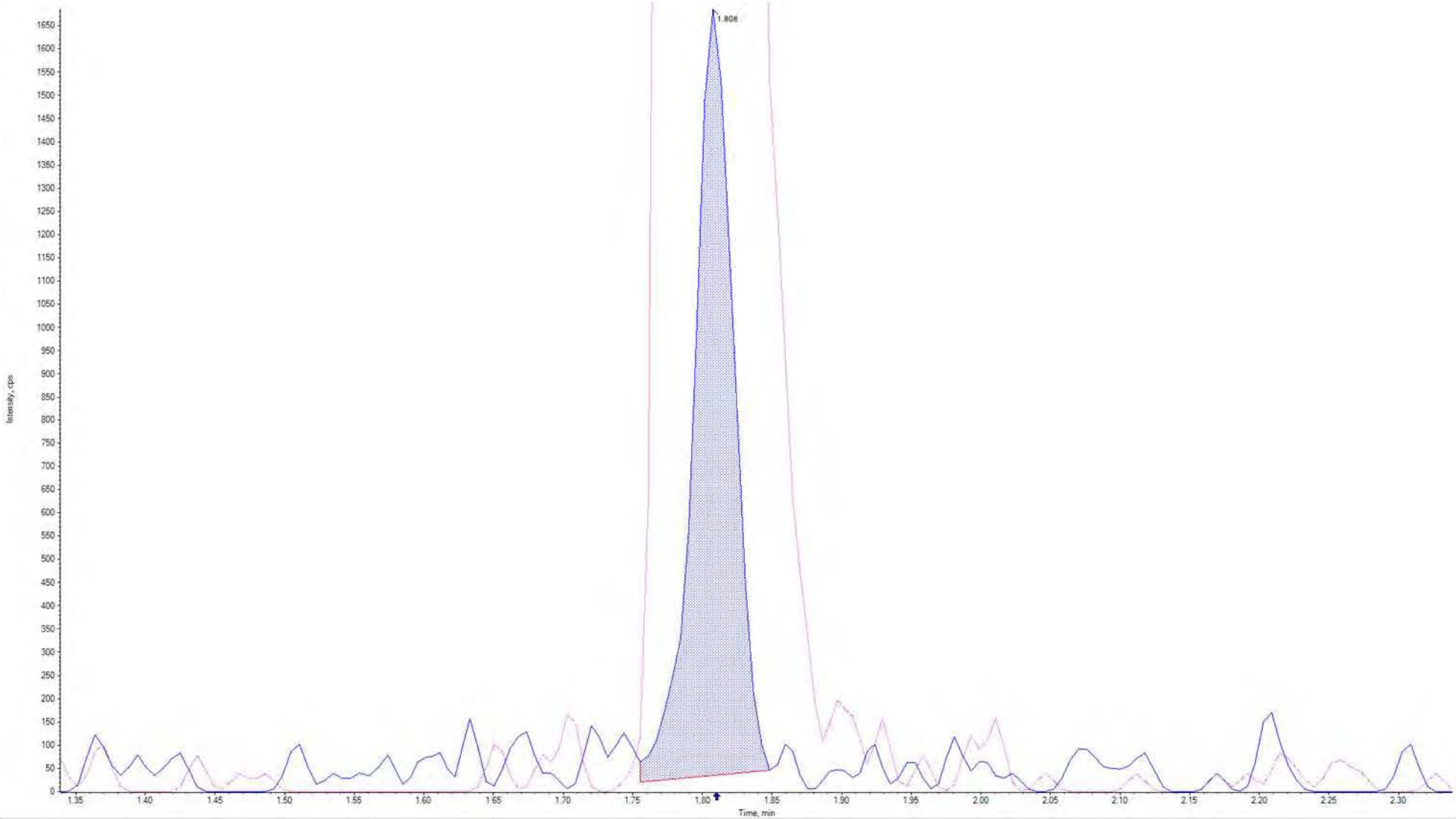
PFHxA_2
Sample: WG2013165-1,1633LOW S/N:41.4 Points Across peak:17



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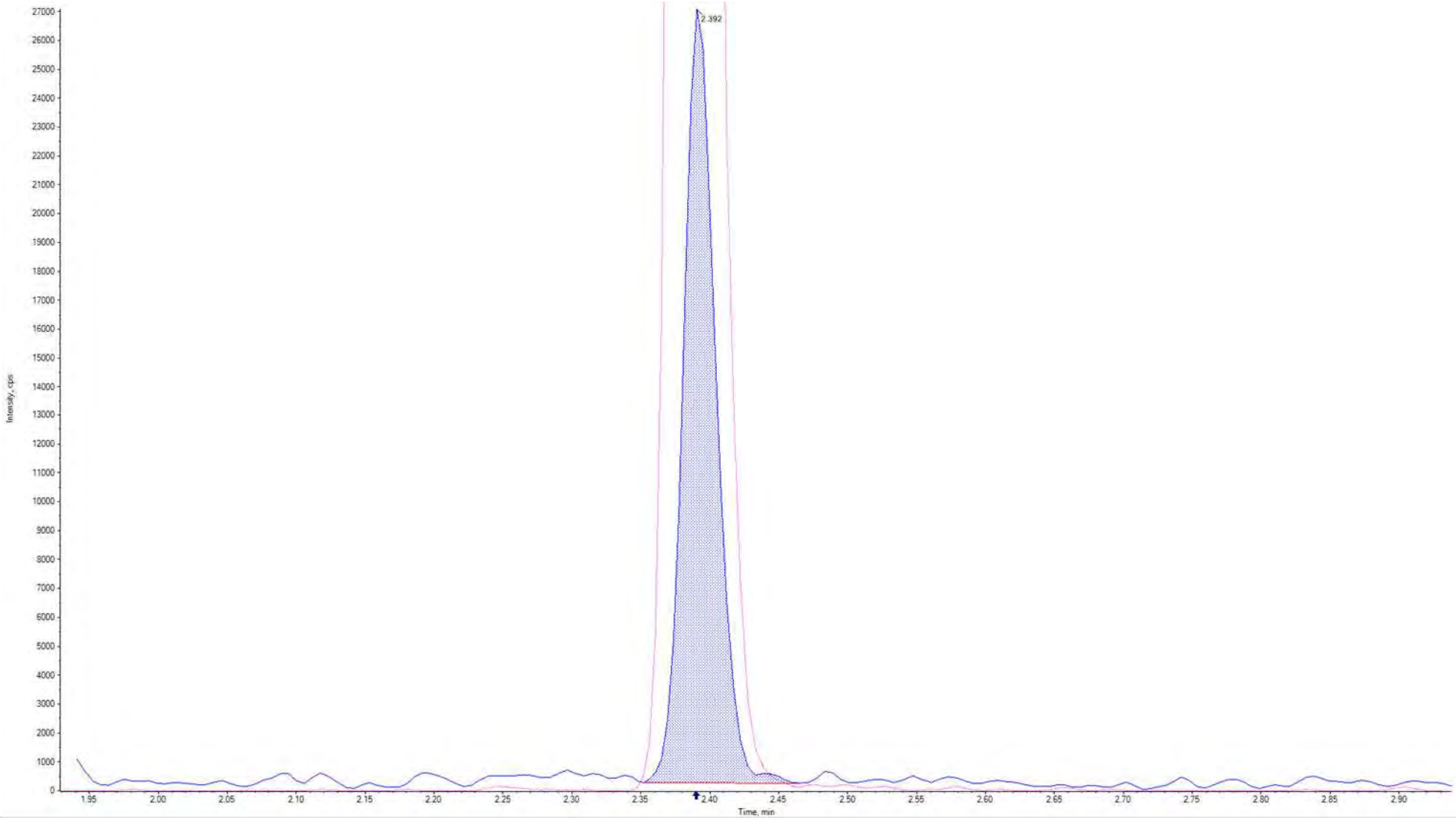
PFHpA
Sample: WG2013165-1,1633LOW S/N:537.7 Points Across peak:25



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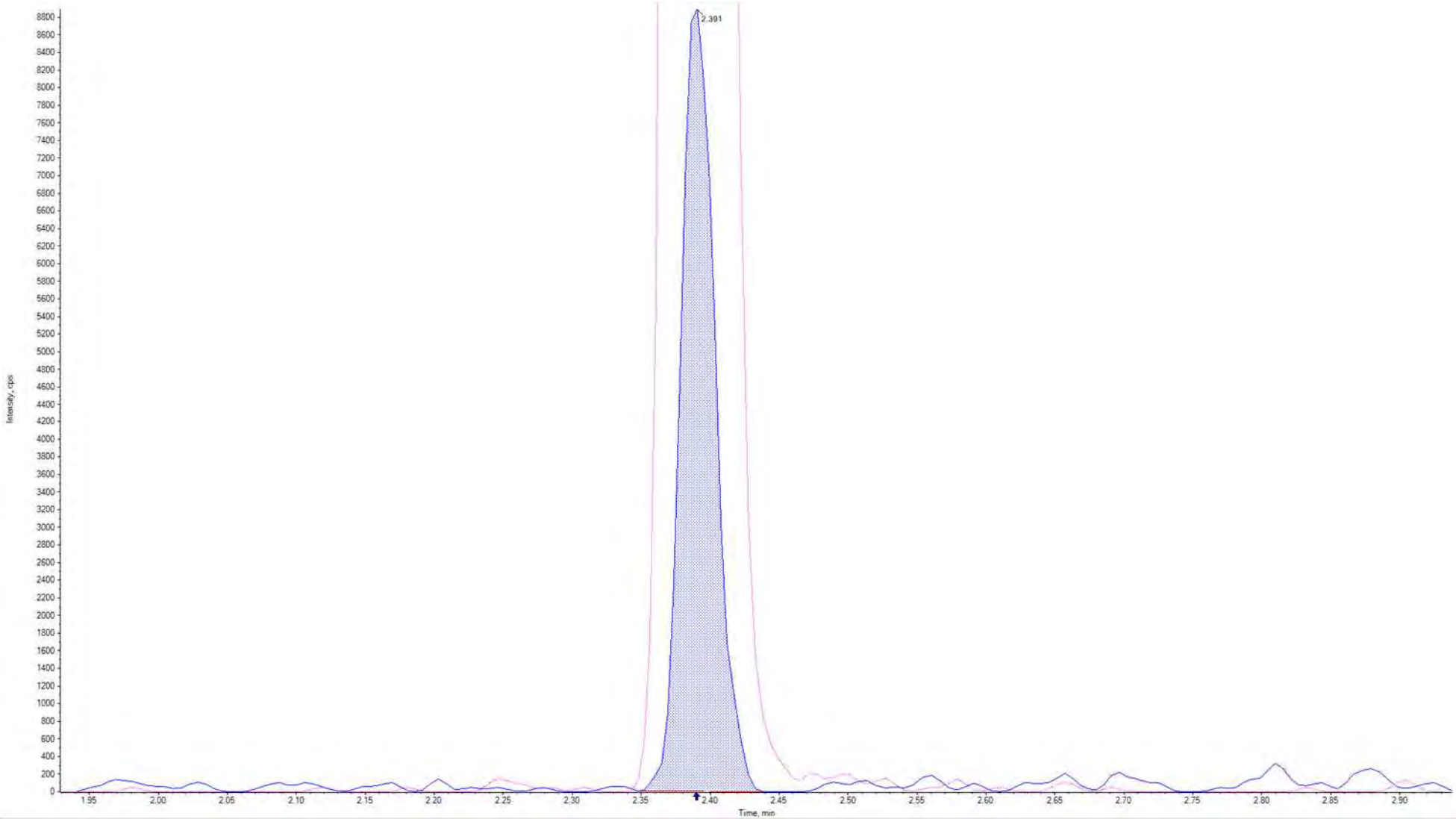
PFHpA_2
Sample: WG2013165-1,1633LOW S/N:178.2 Points Across peak:22



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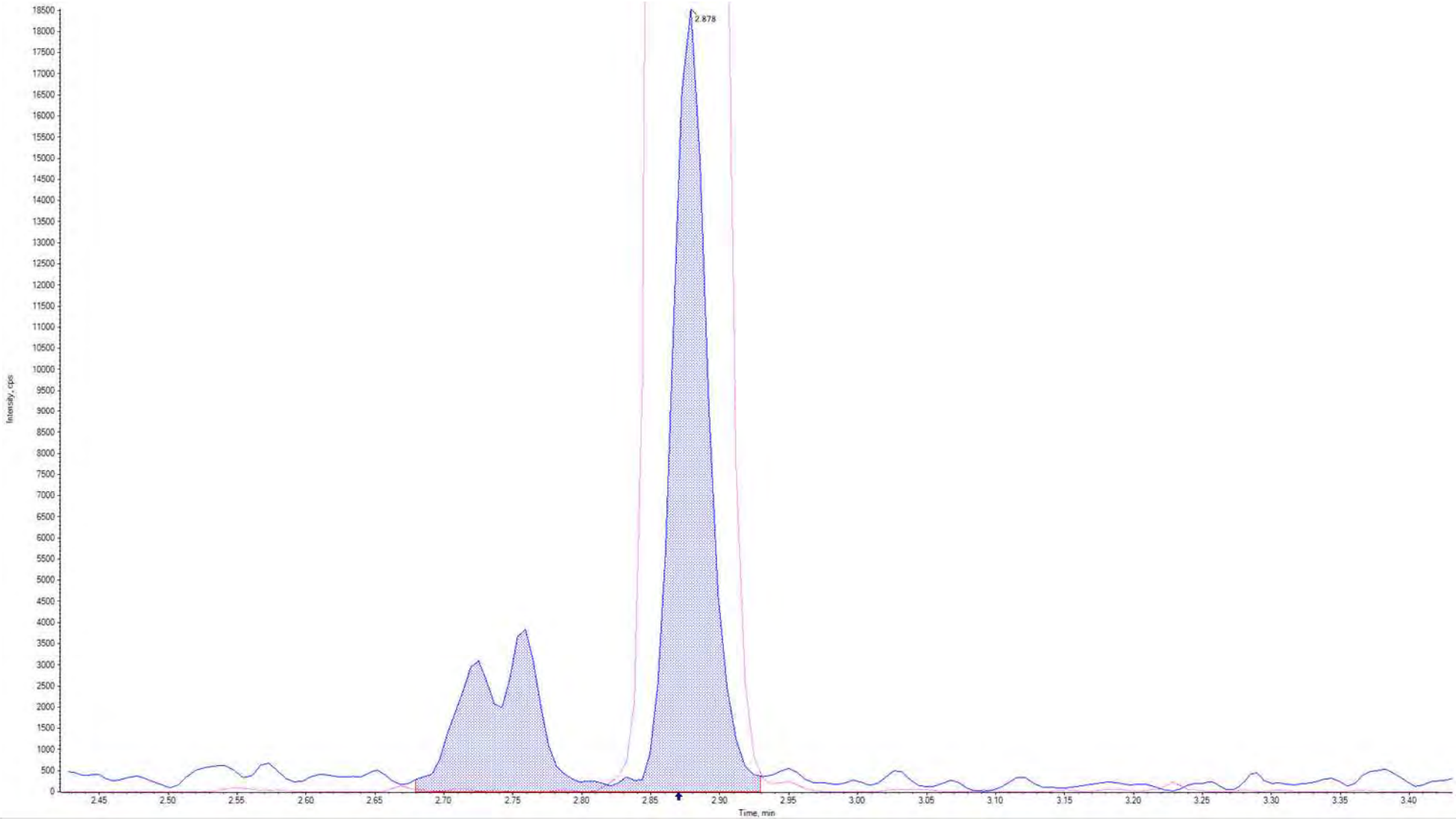
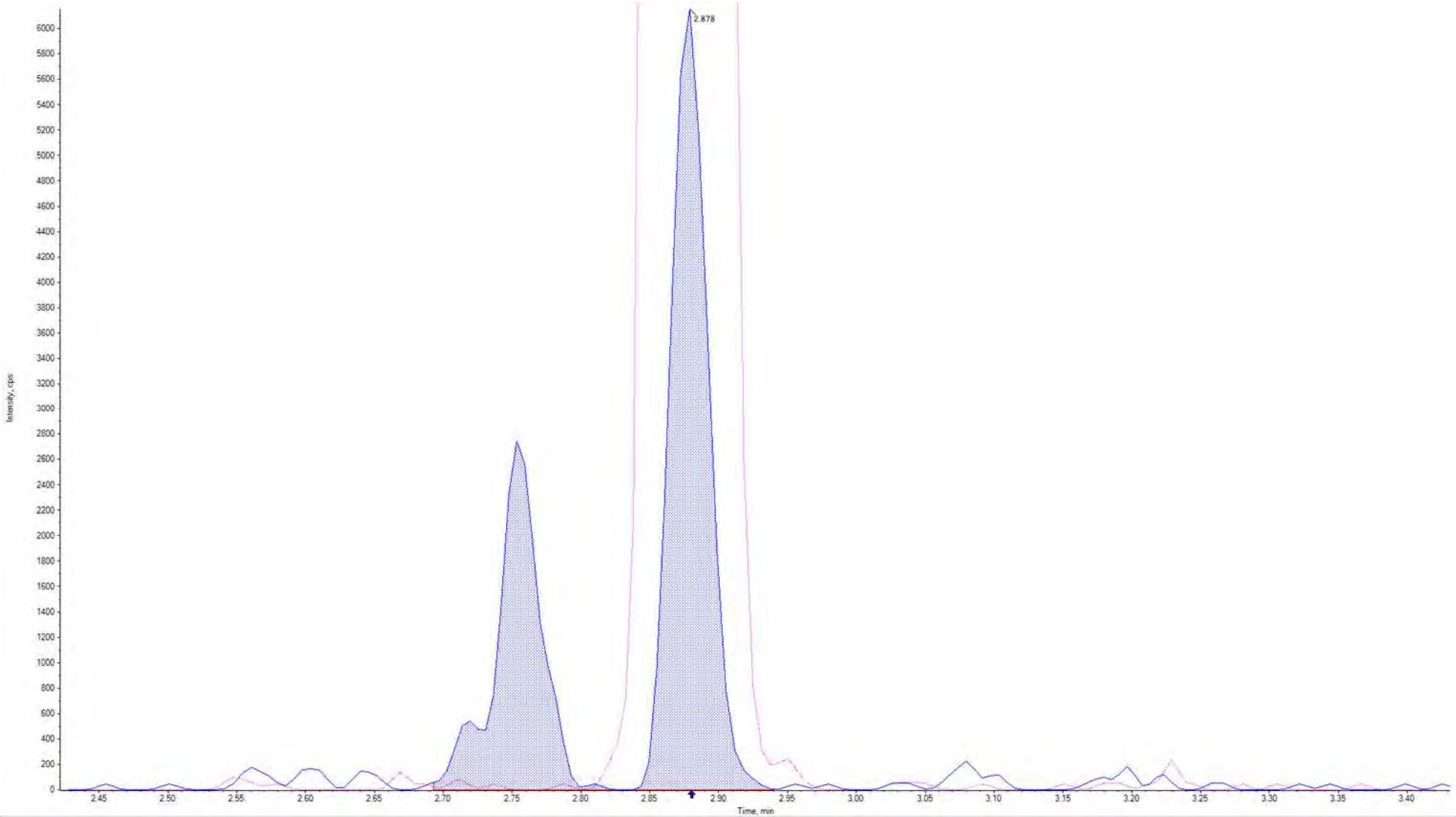
PFOA
Sample: WG2013165-1,1633LOW S/N:163.4 Points Across peak:45



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_16.wiff2_1
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFOA_2
Sample: WG2013165-1,1633LOW S/N:138.8 Points Across peak:44



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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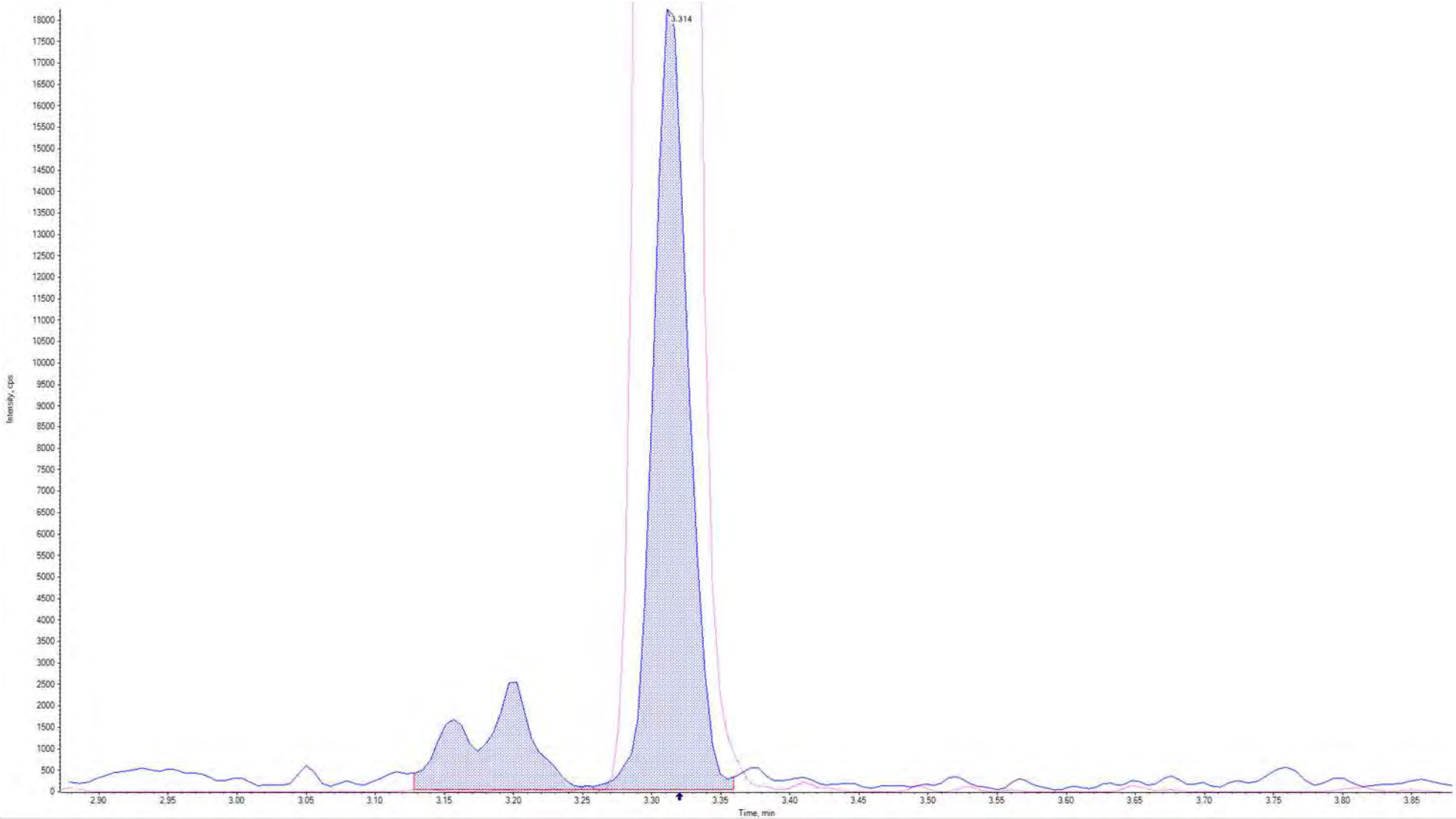
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFNA
Sample: WG2013165-1,1633LOW S/N:184.5 Points Across peak:45



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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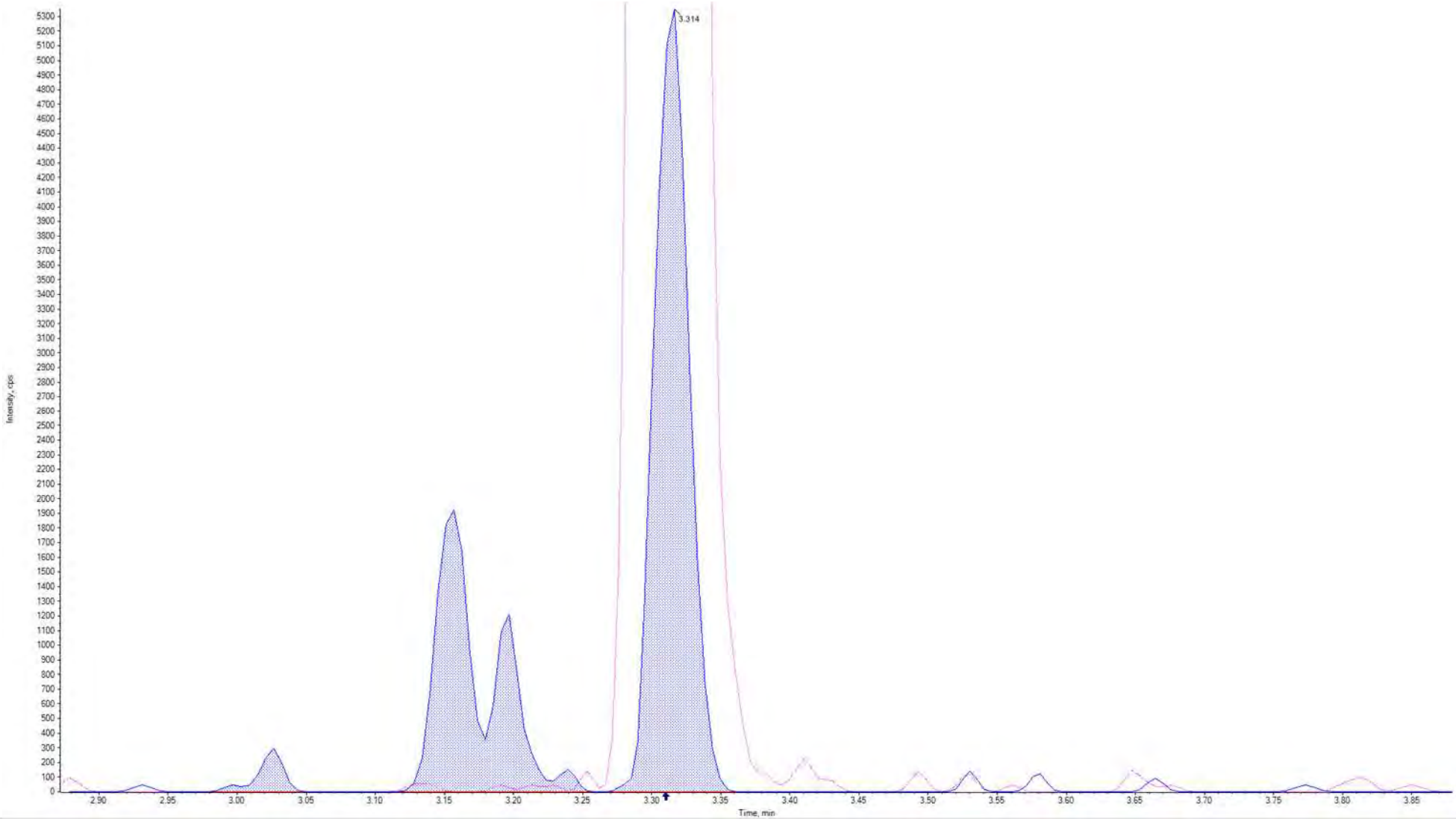
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFNA_2
Sample: WG2013165-1,1633LOW S/N:120.7 Points Across peak:71



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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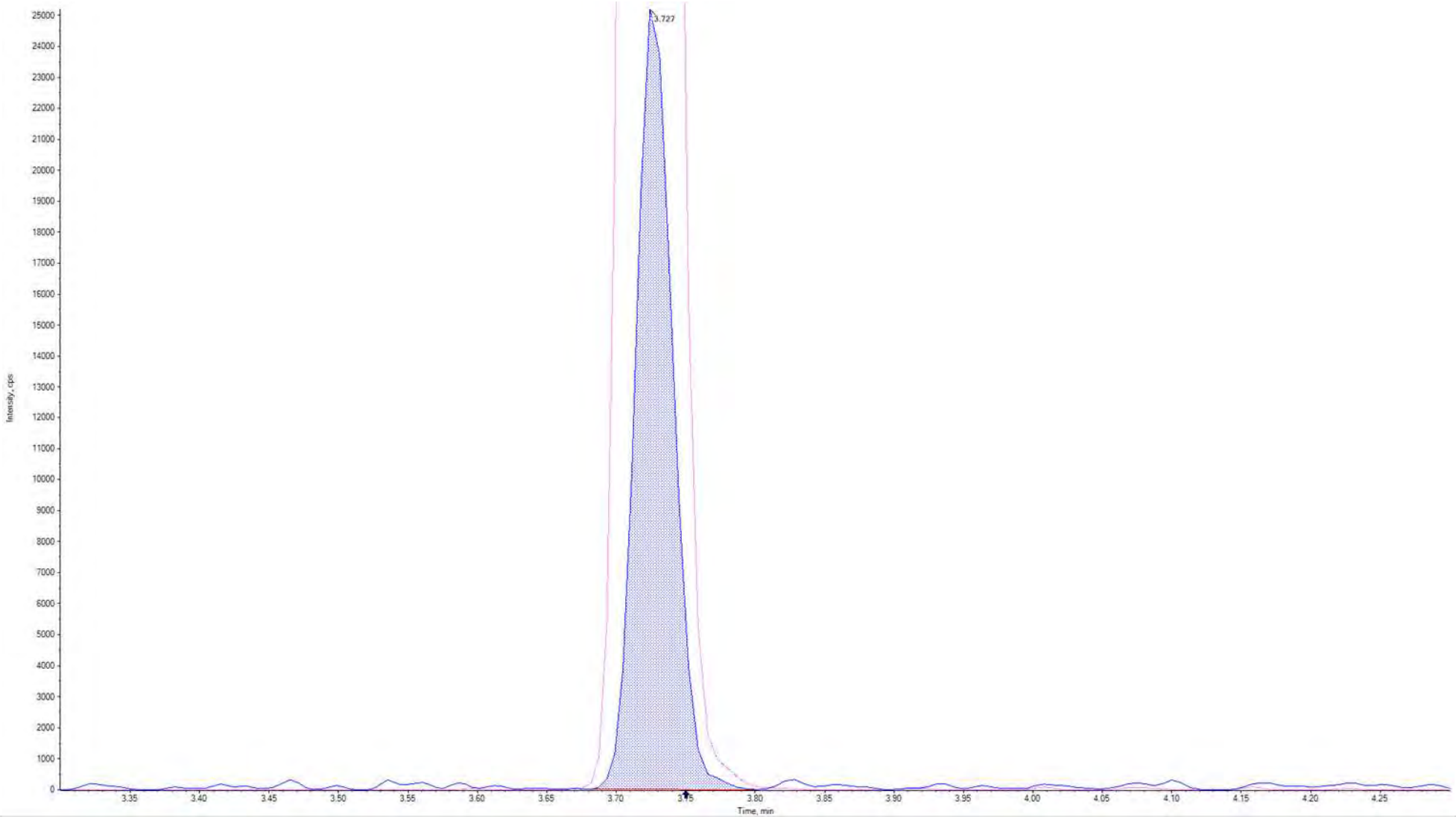
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFDA
Sample: WG2013165-1,1633LOW S/N:505.1 Points Across peak:19



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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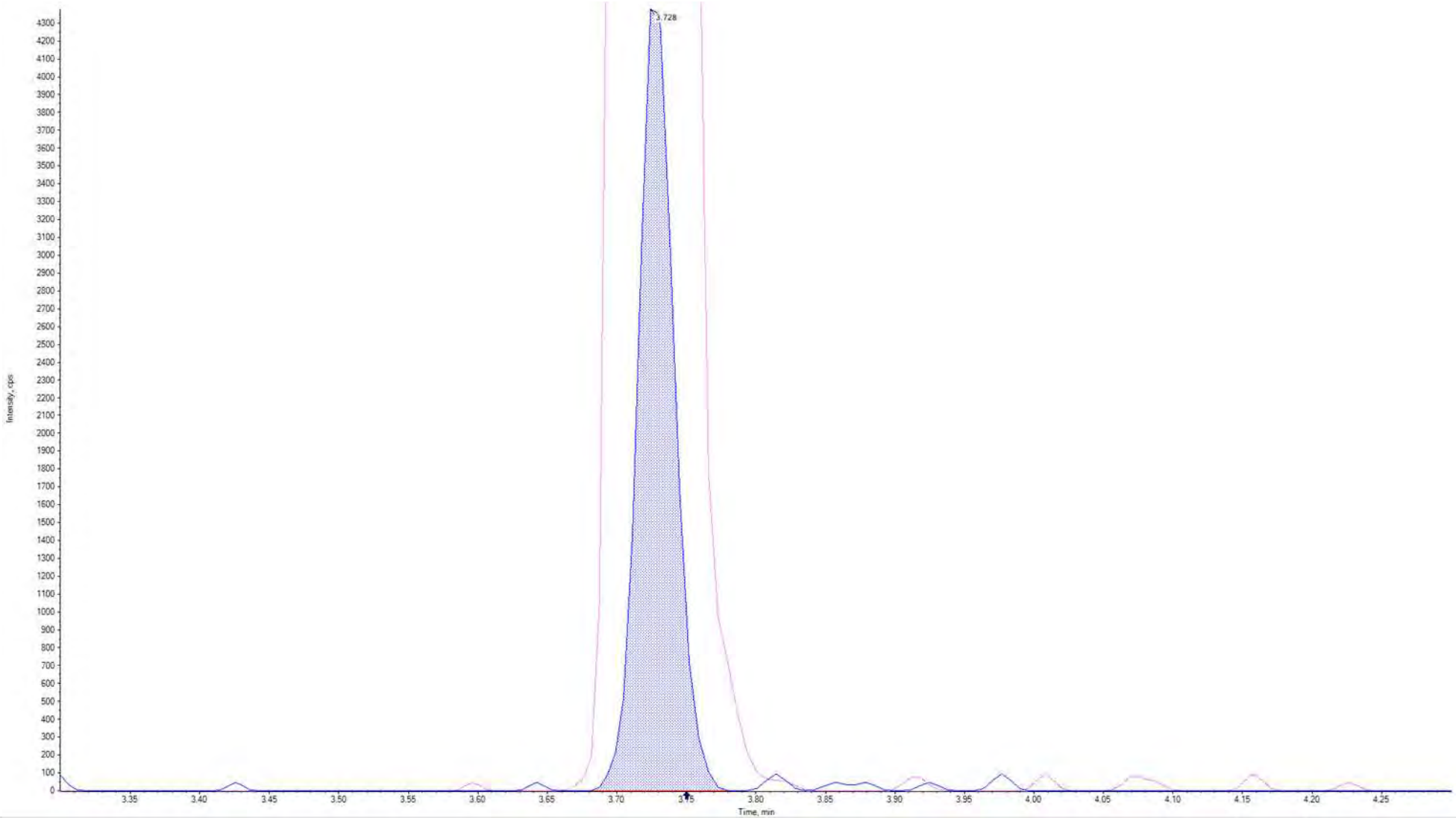
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFDA_2
Sample: WG2013165-1,1633LOW S/N:87.8 Points Across peak:19



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/24/2024 12:27:37 PM
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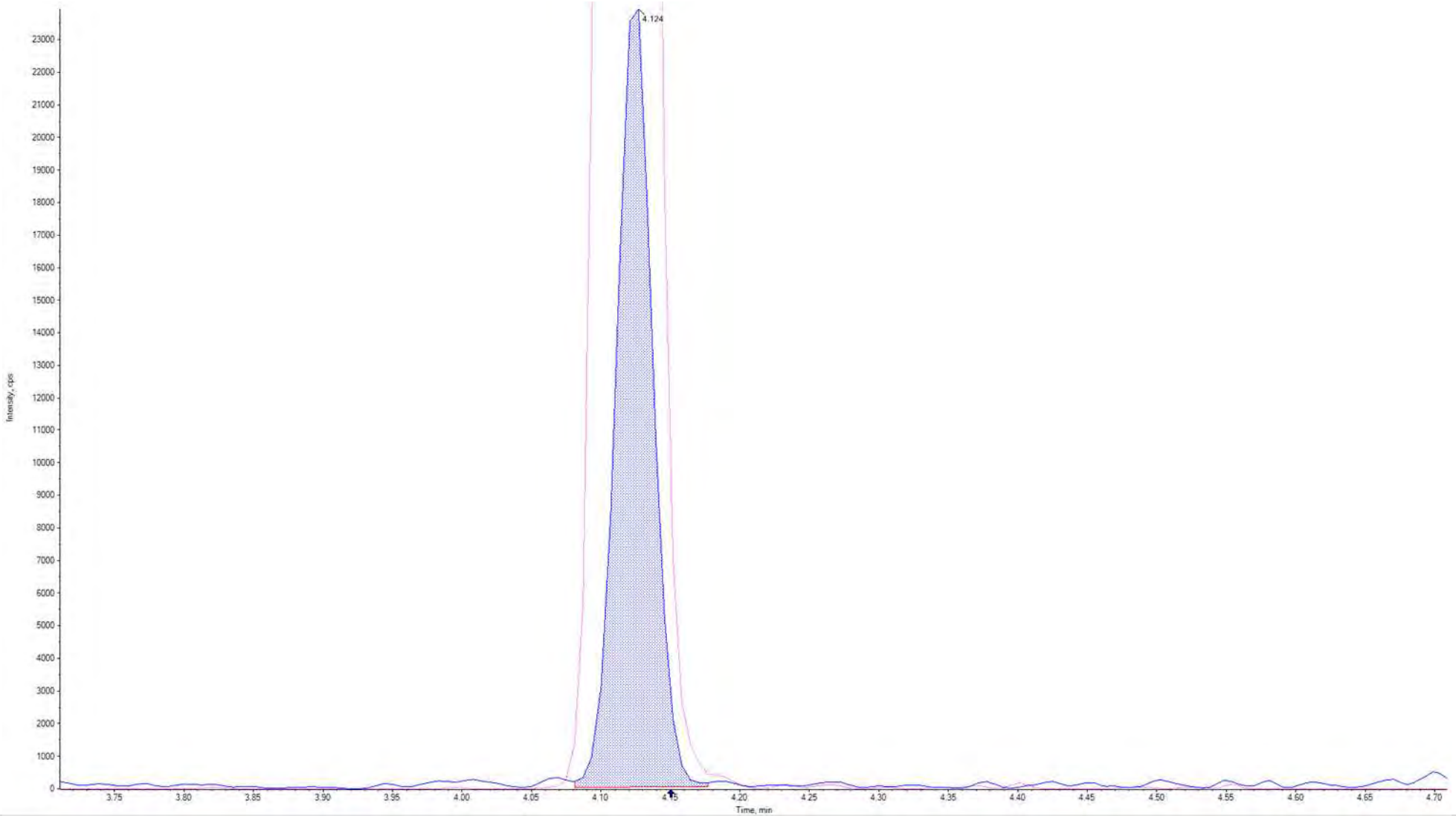
PFUnA
Sample: WG2013165-1,1633LOW S/N:538.8 Points Across peak:16



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/24/2024 12:27:37 PM
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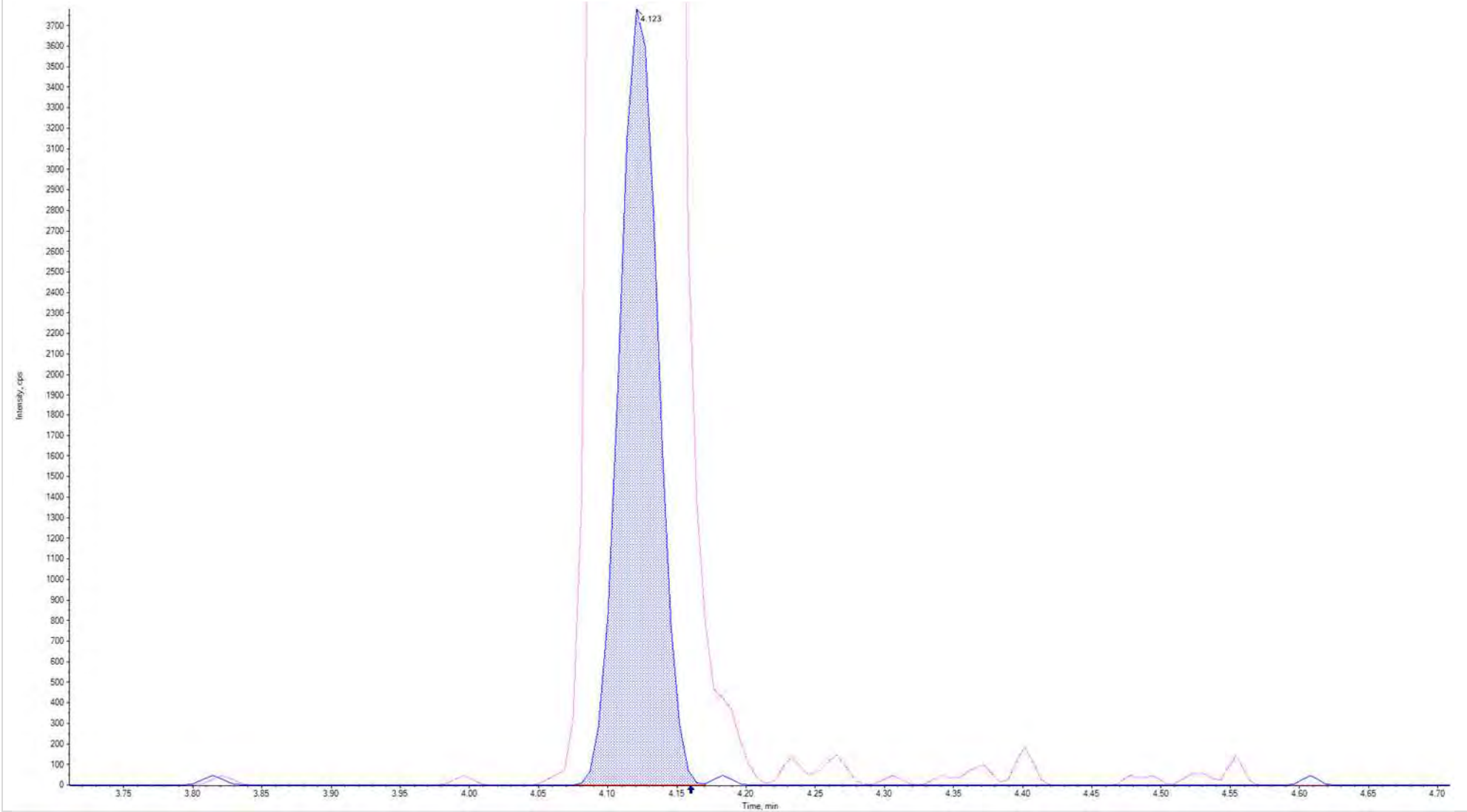
PFUnA_2
Sample: WG2013165-1,1633LOW S/N:85.3 Points Across peak:21



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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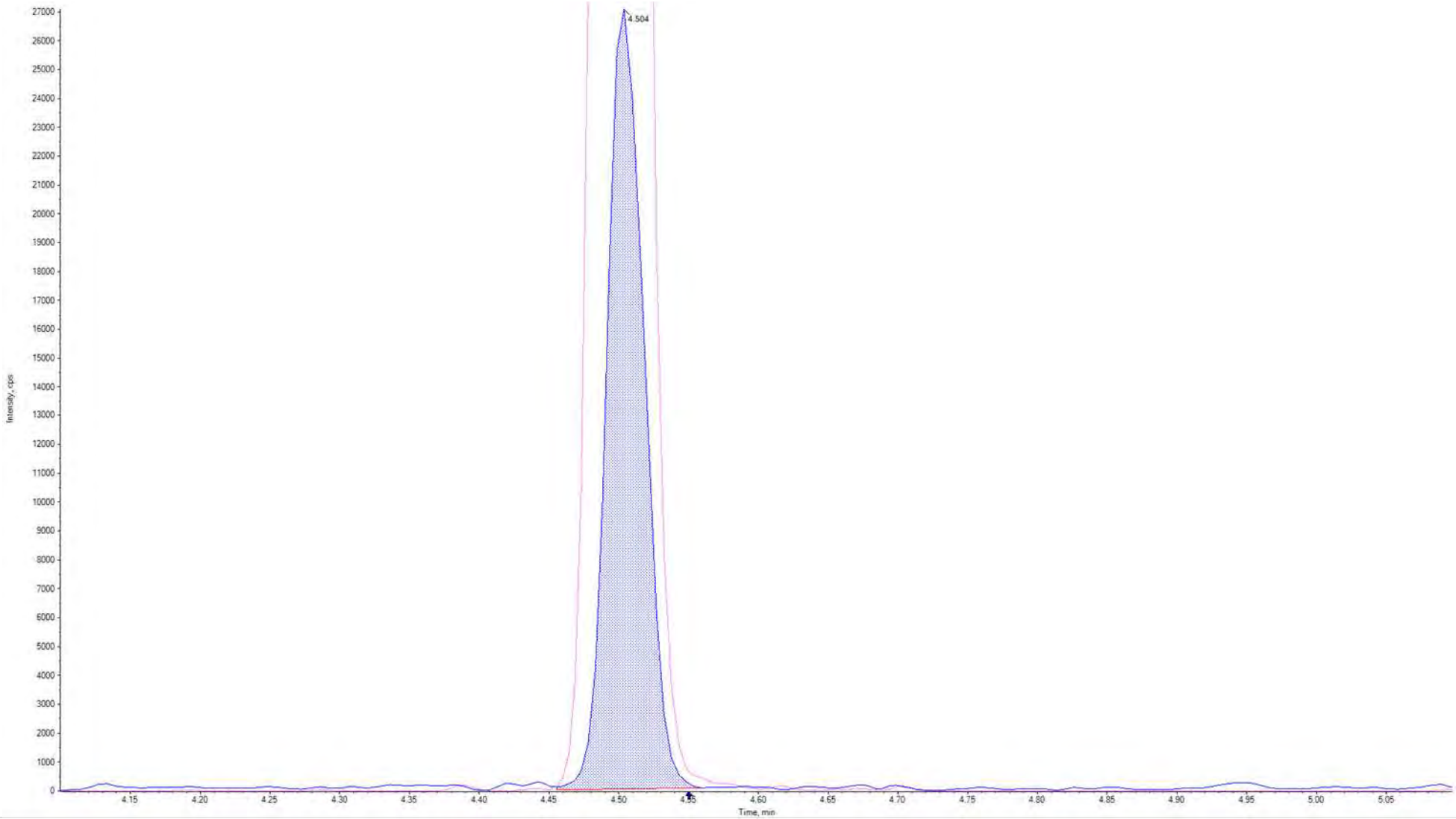
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFDoA
Sample: WG2013165-1,1633LOW S/N:745.0 Points Across peak:21



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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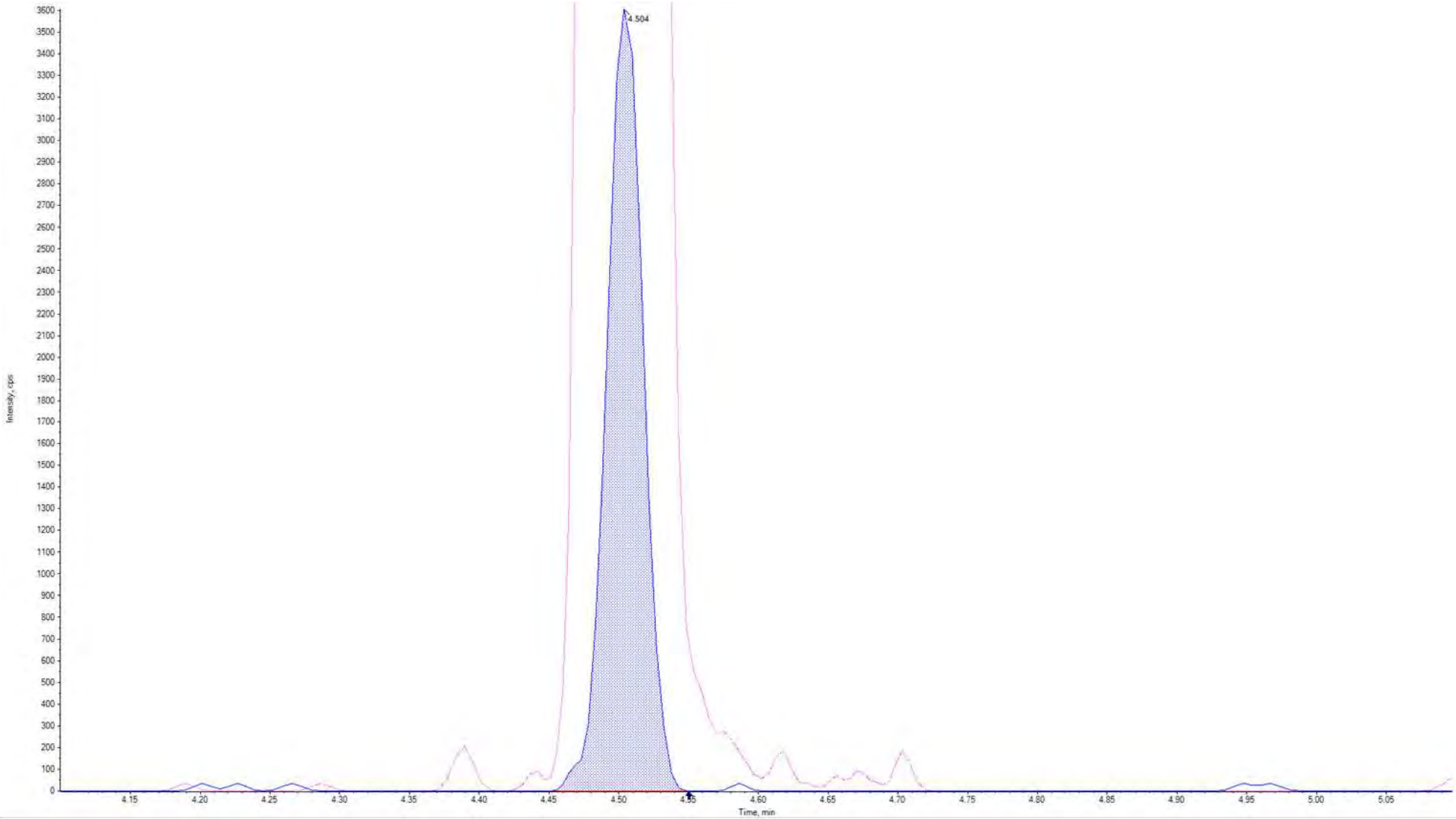
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFDoA_2
Sample: WG2013165-1,1633LOW S/N:99.4 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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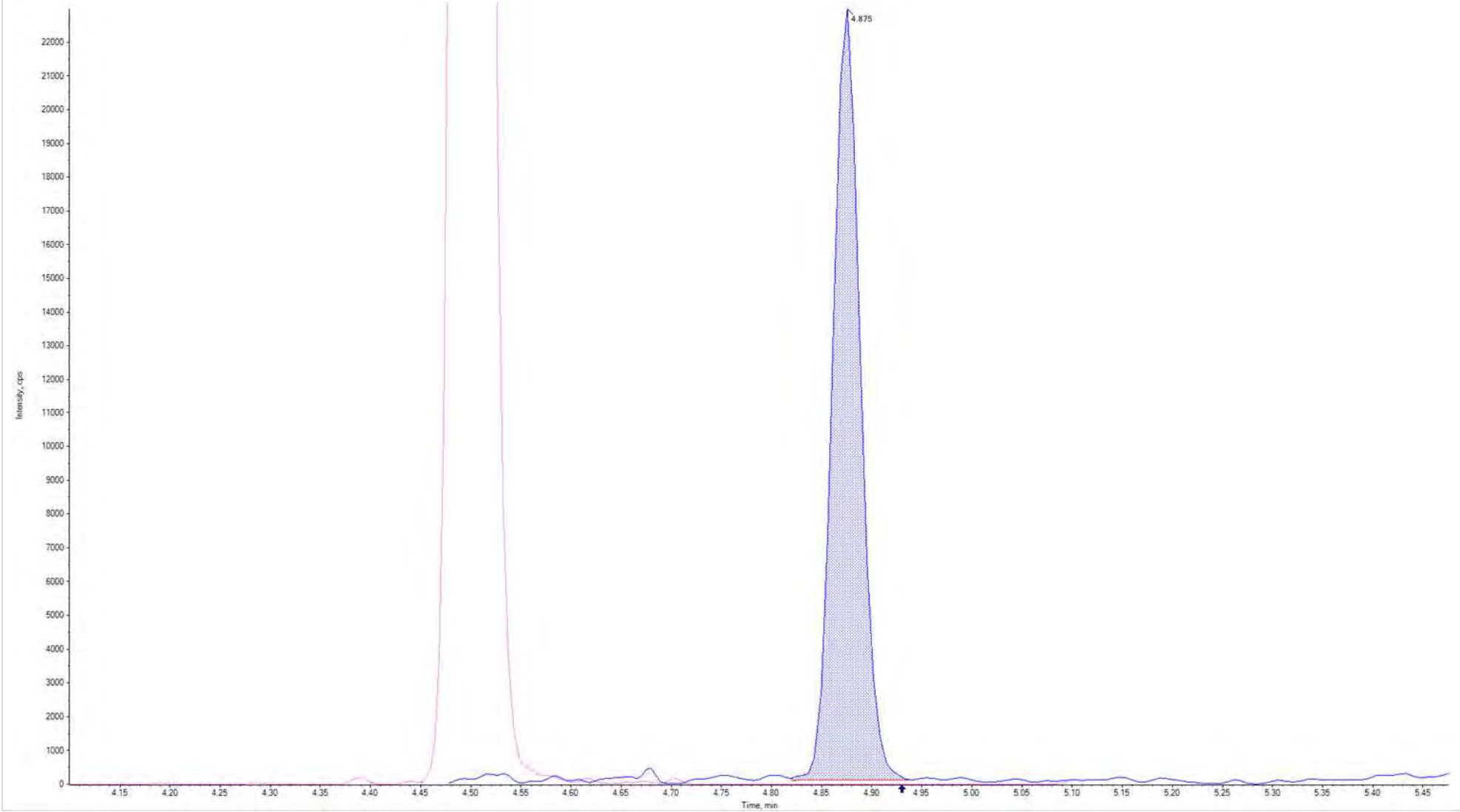
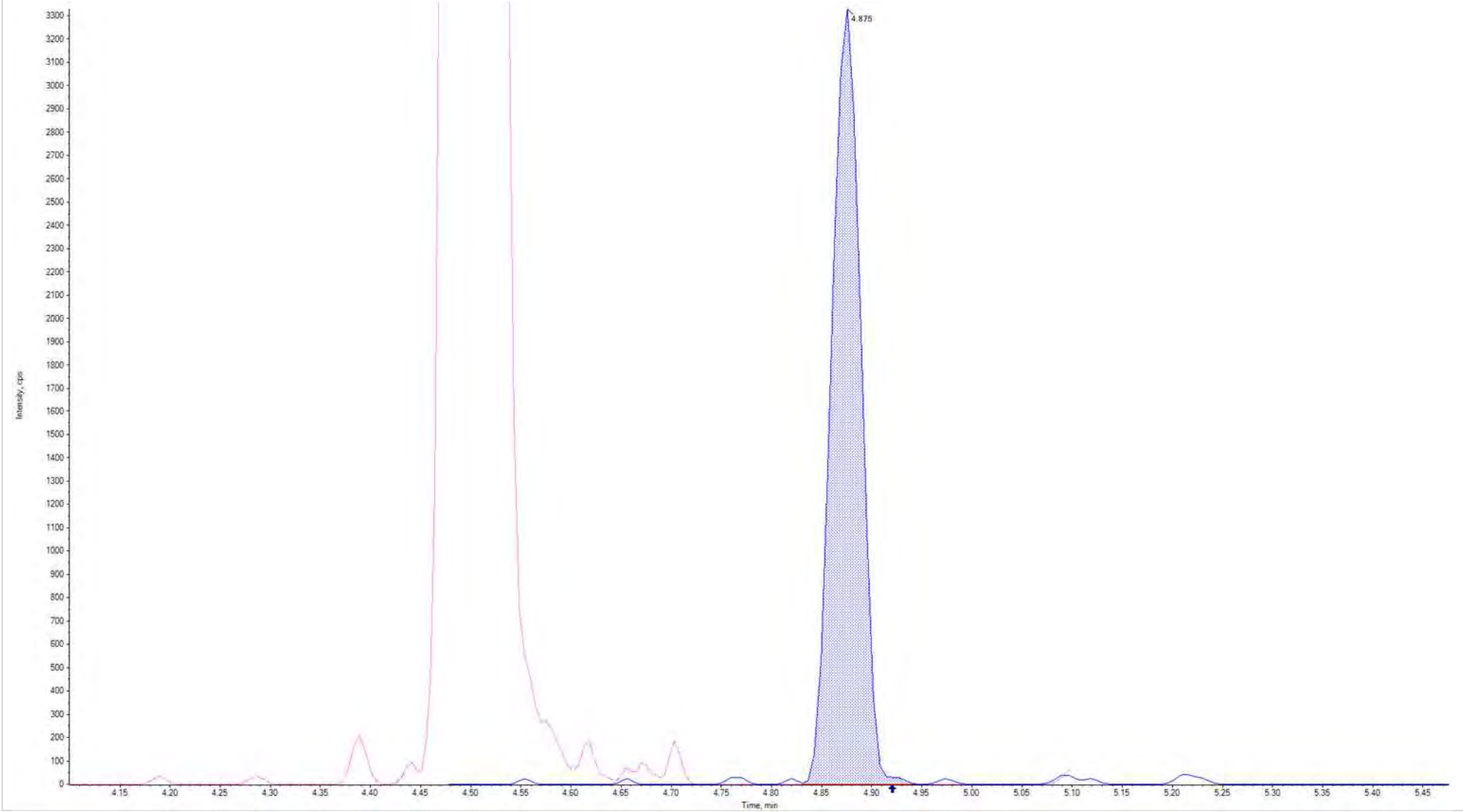
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFTrDA
Sample: WG2013165-1,1633LOW S/N:916.7 Points Across peak:20



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_16.wiff2_1
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFTrDA_2
Sample: WG2013165-1,1633LOW S/N:133.5 Points Across peak:20



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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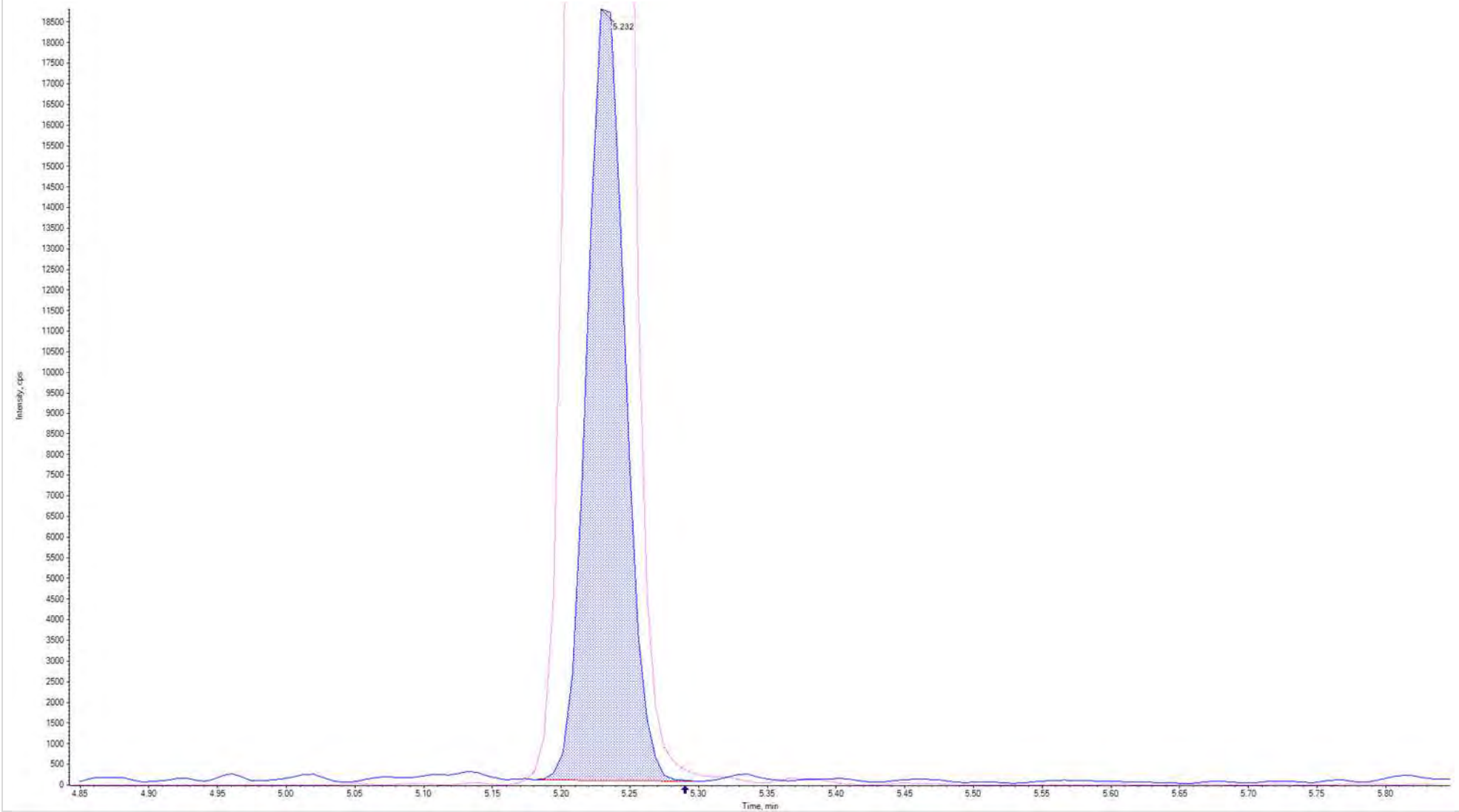
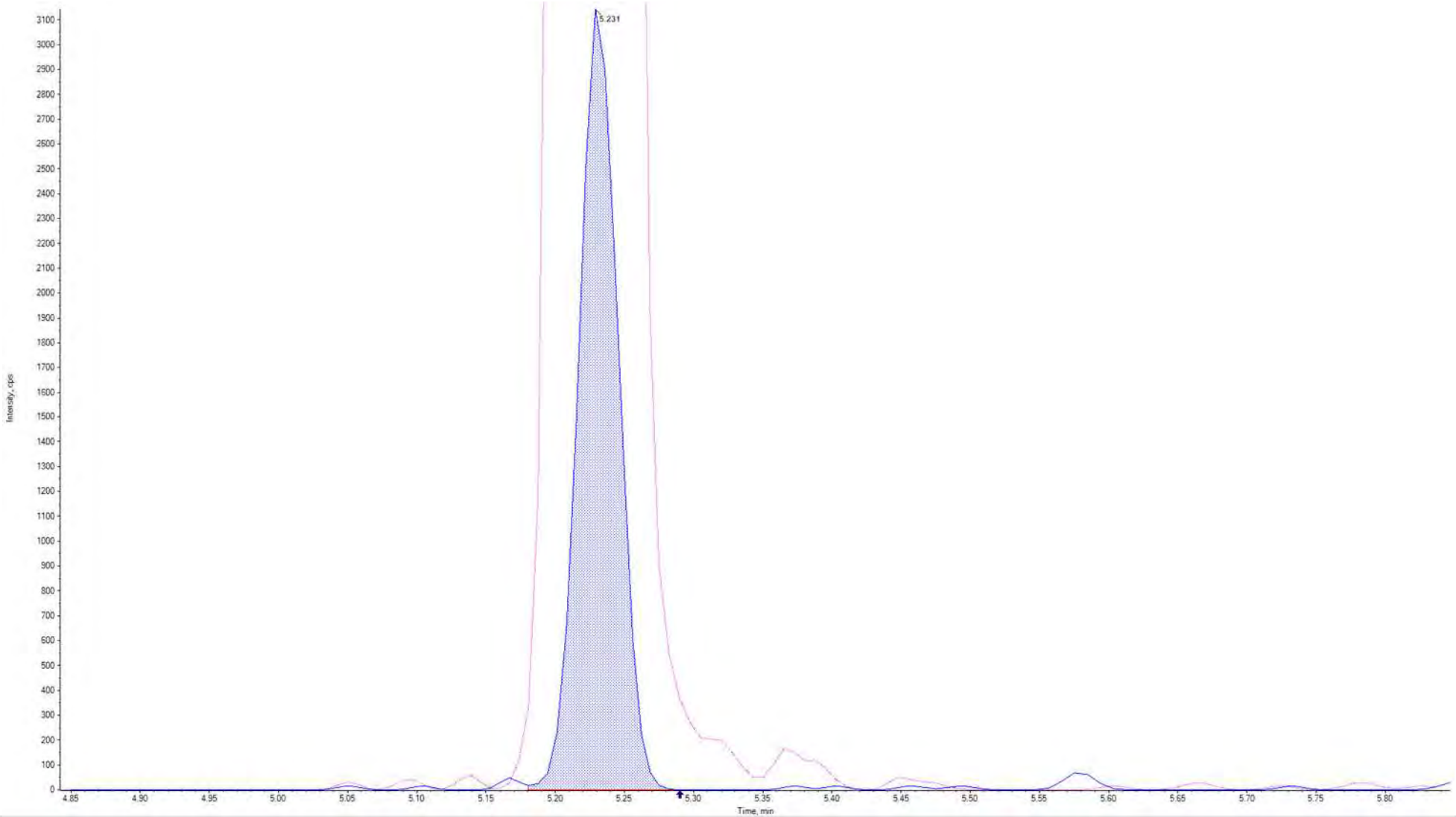
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFTeDA
Sample: WG2013165-1,1633LOW S/N:696.3 Points Across peak:18



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_16.wiff2_1
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFTeDA_2
Sample: WG2013165-1,1633LOW S/N:197.0 Points Across peak:19



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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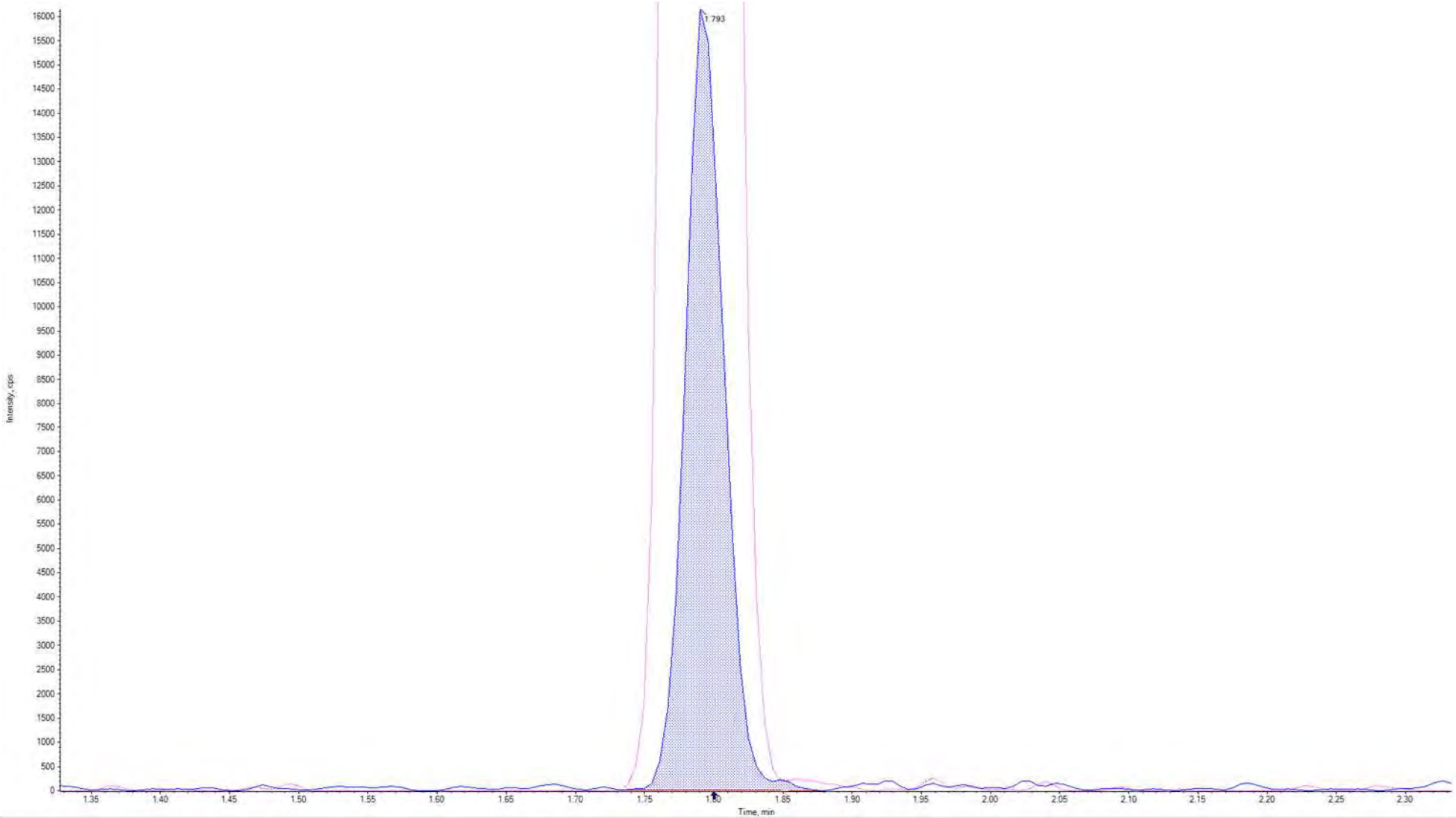
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFBS
Sample: WG2013165-1,1633LOW S/N:404.6 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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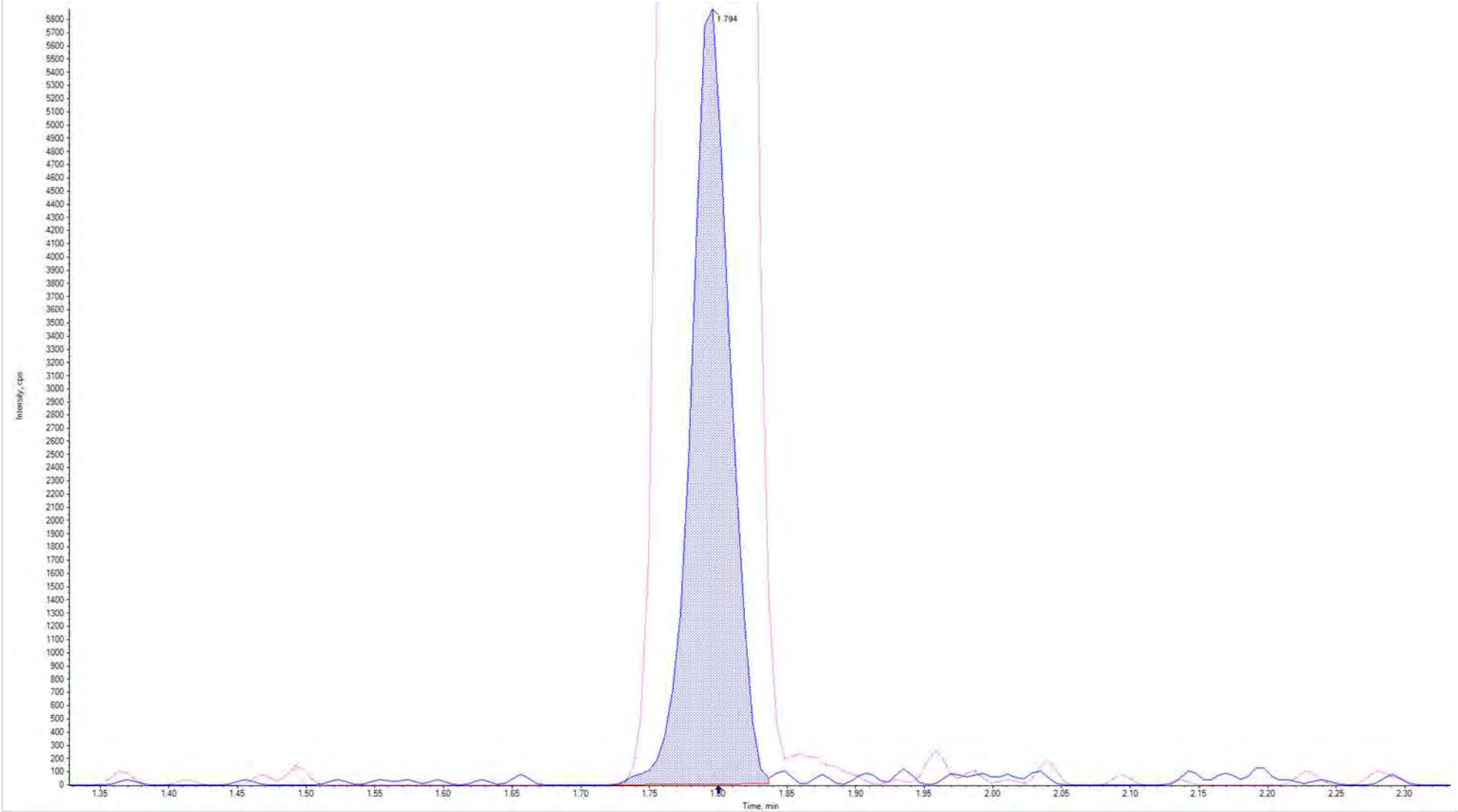
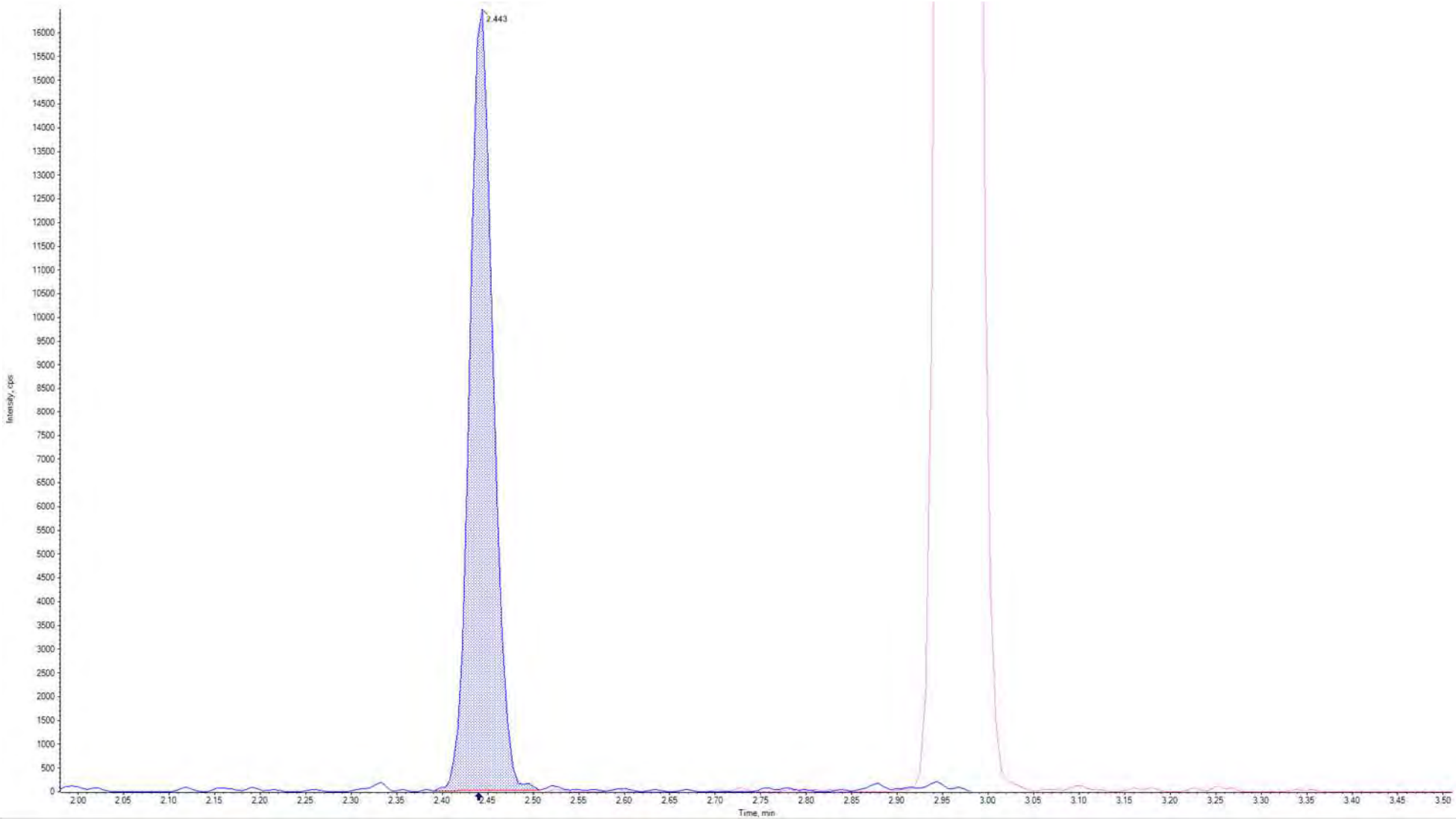
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFBS_2
Sample: WG2013165-1,1633LOW S/N:147.2 Points Across peak:21



PFPeS
Sample: WG2013165-1,1633LOW S/N:330.3 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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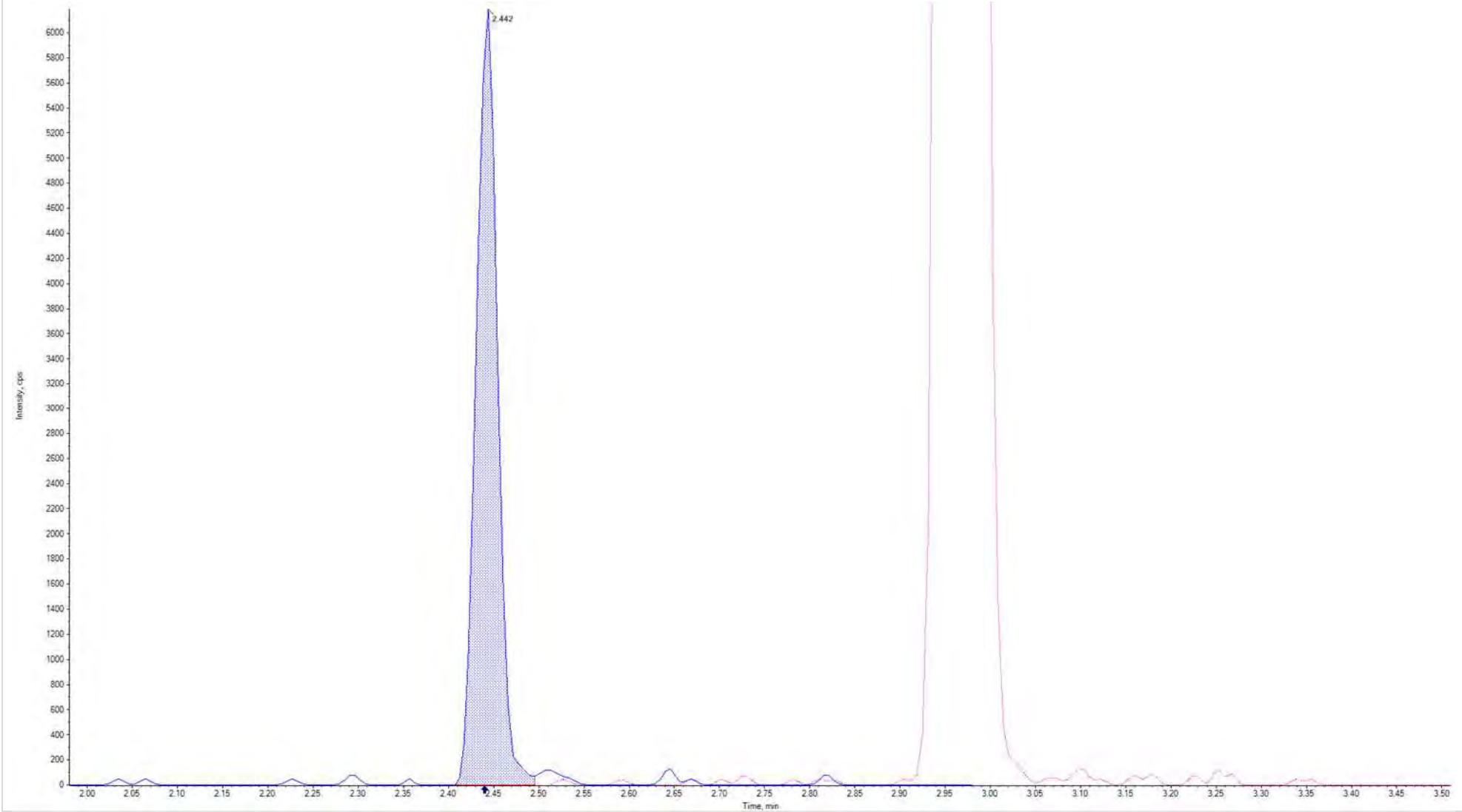
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFPeS_2
Sample: WG2013165-1,1633LOW S/N:124.1 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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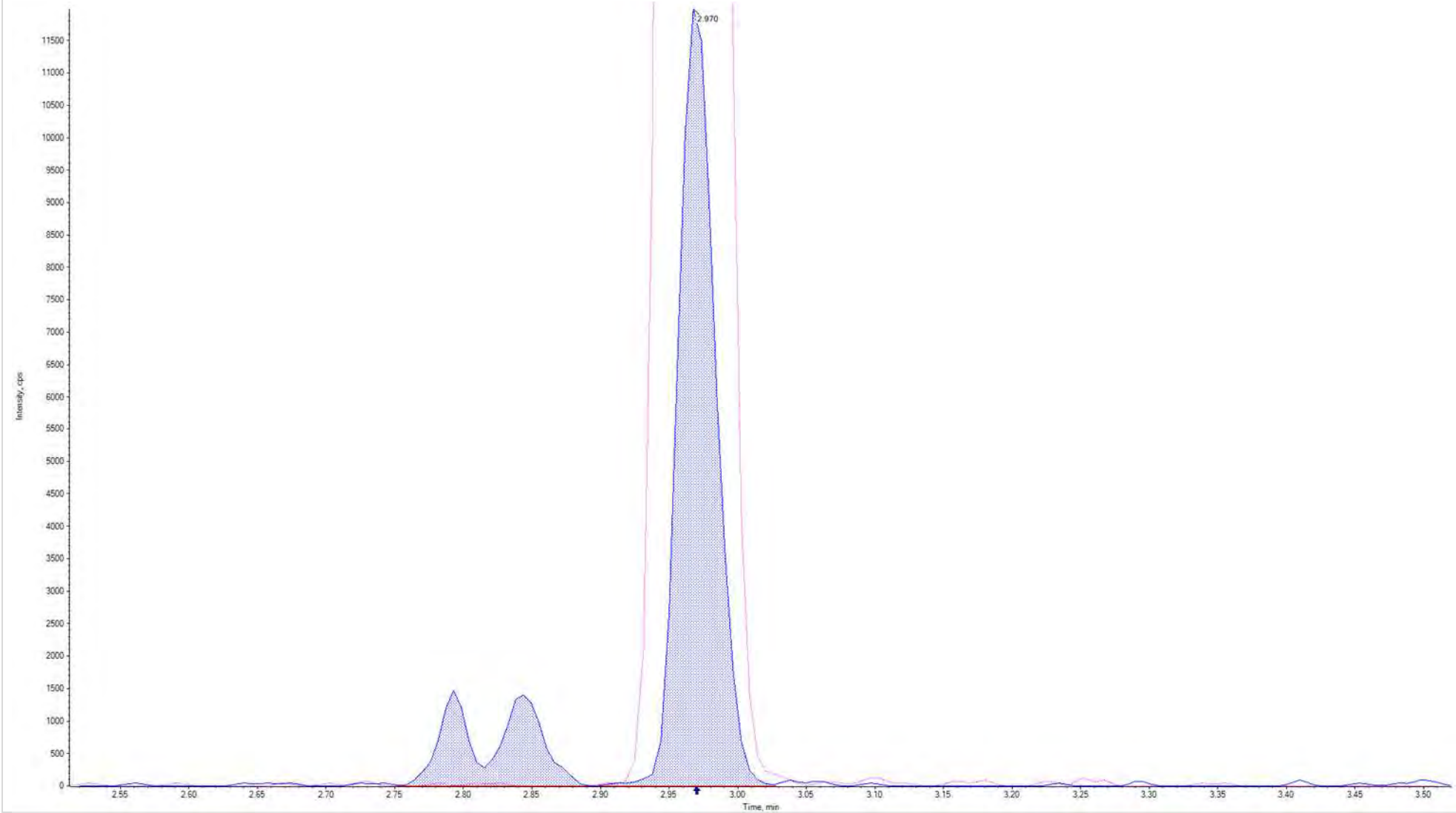
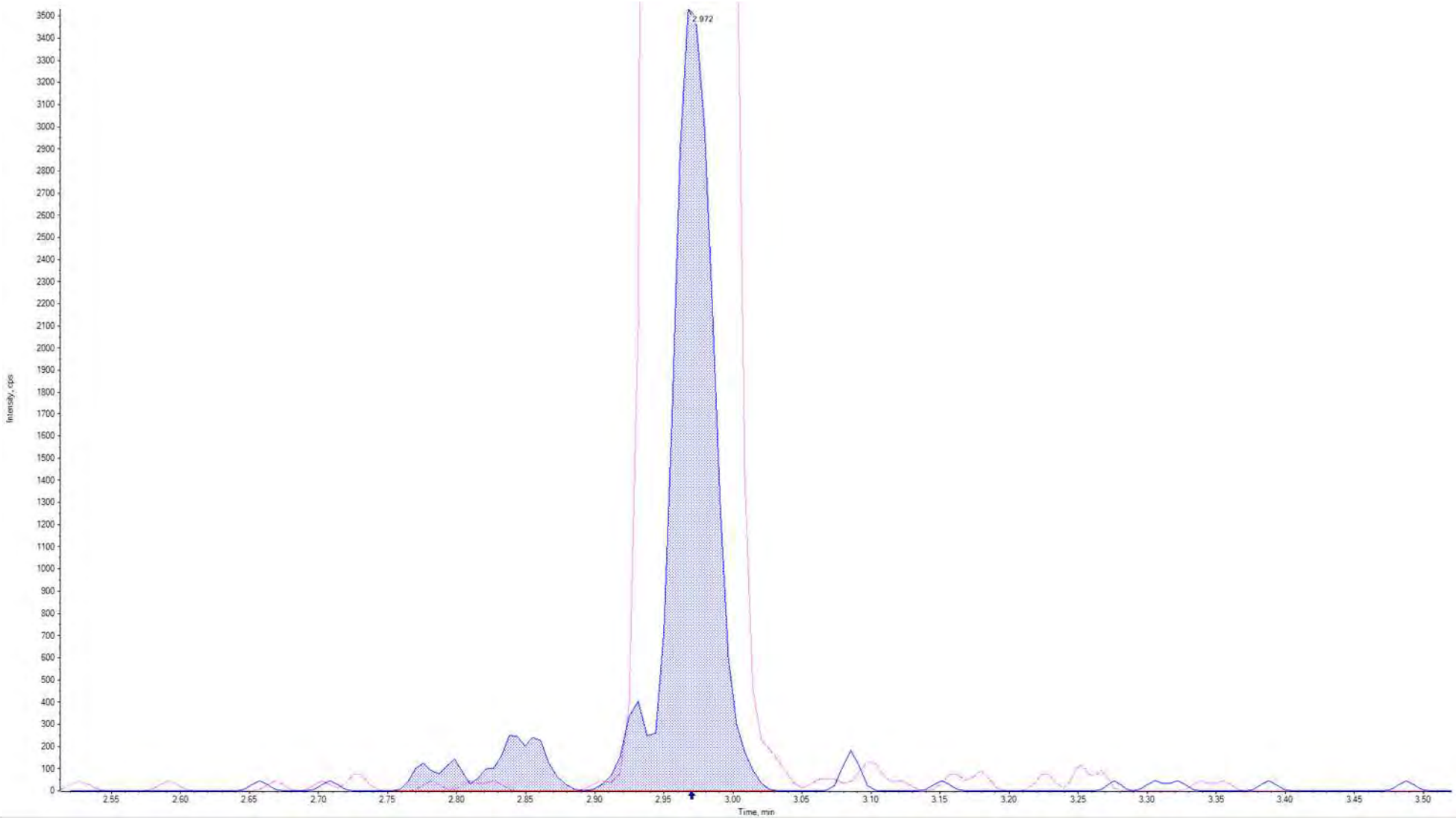
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFHxS
Sample: WG2013165-1,1633LOW S/N:270.4 Points Across peak:49



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_16.wiff2_1
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFHxS_2
Sample: WG2013165-1,1633LOW S/N:79.7 Points Across peak:49



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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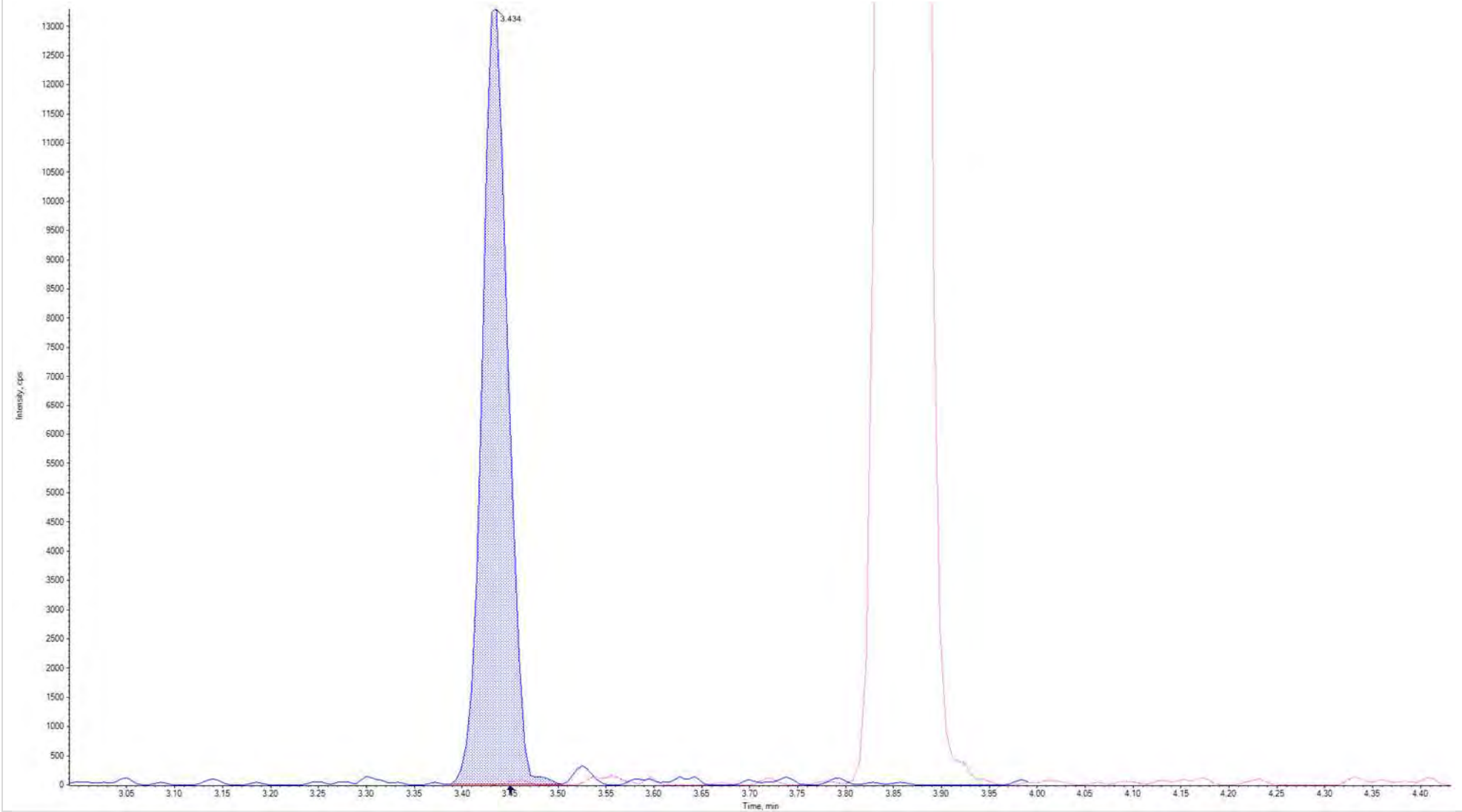
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFHpS
Sample: WG2013165-1,1633LOW S/N:266.4 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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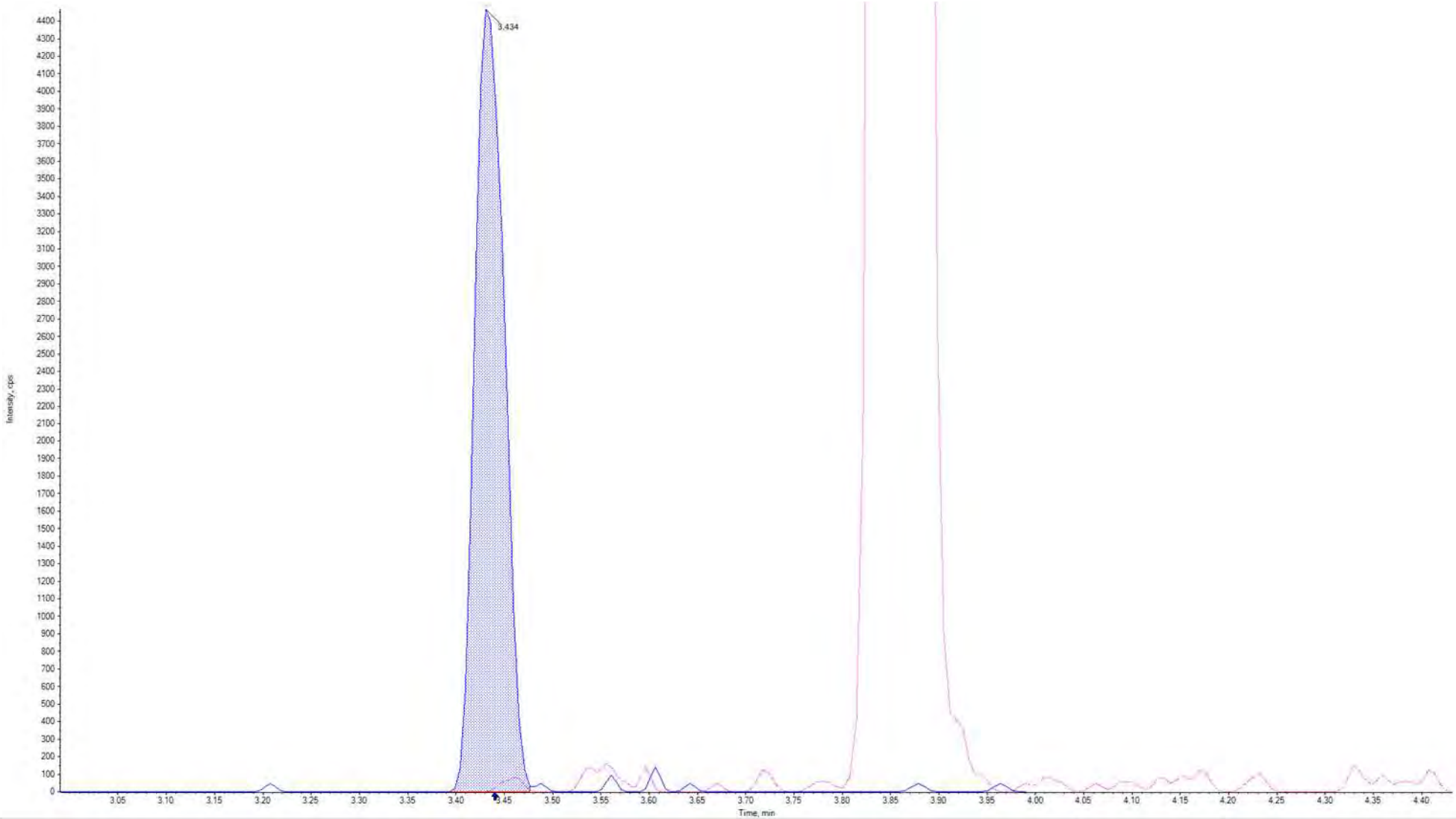
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFHpS_2
Sample: WG2013165-1,1633LOW S/N:89.6 Points Across peak:21



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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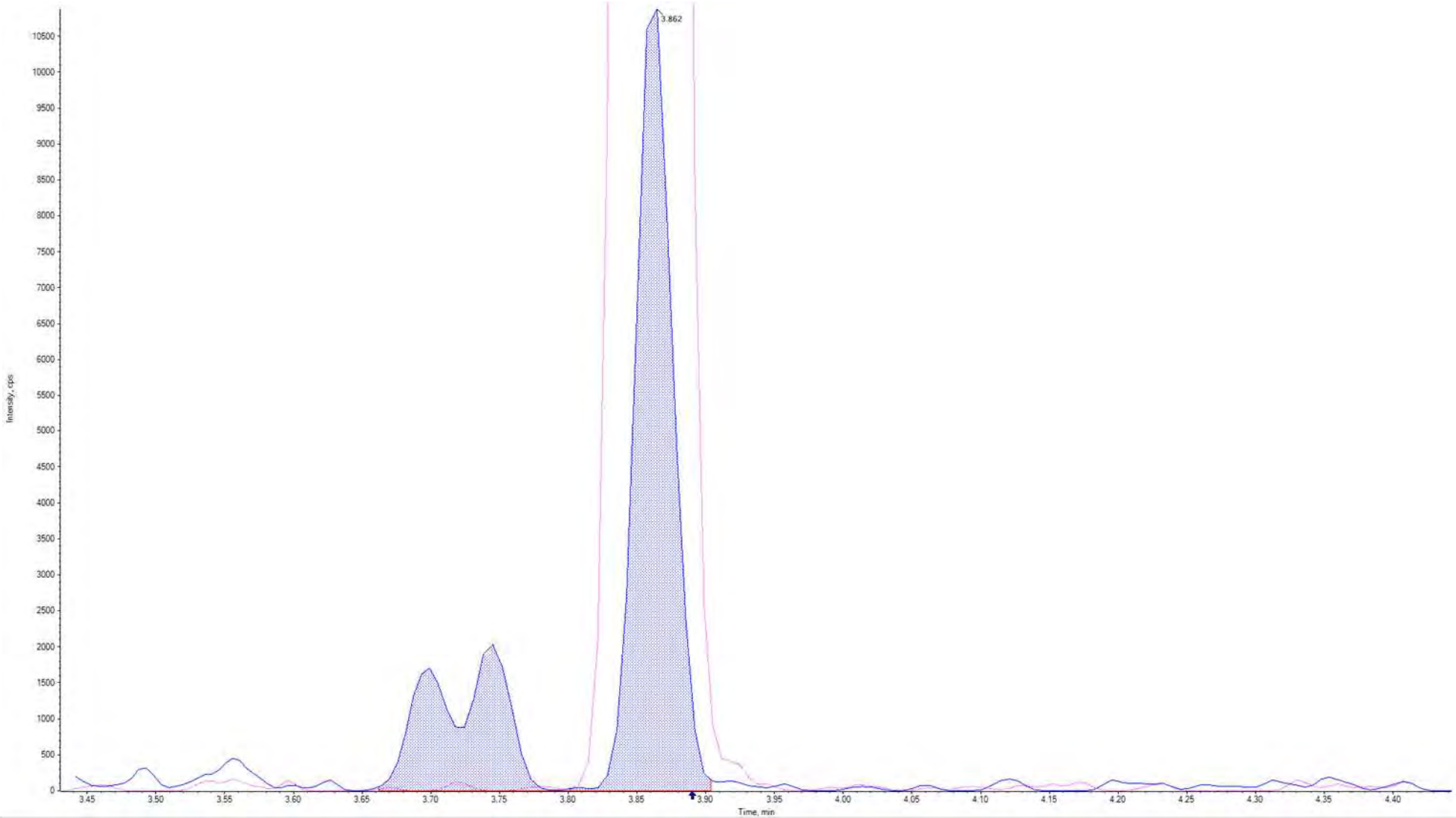
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFOS
Sample: WG2013165-1,1633LOW S/N:165.1 Points Across peak:38



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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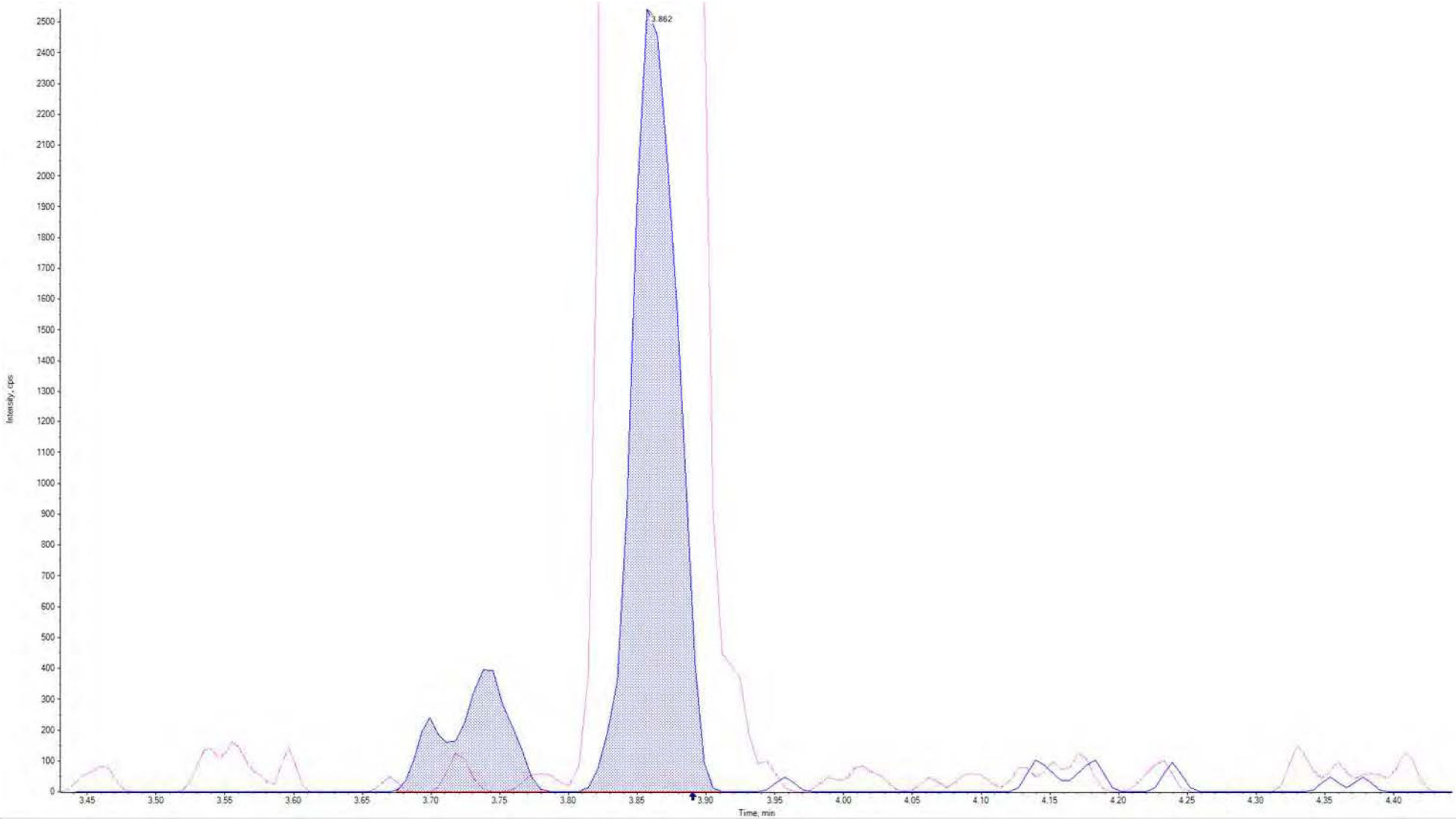
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFOS_2
Sample: WG2013165-1,1633LOW S/N:51.0 Points Across peak:38



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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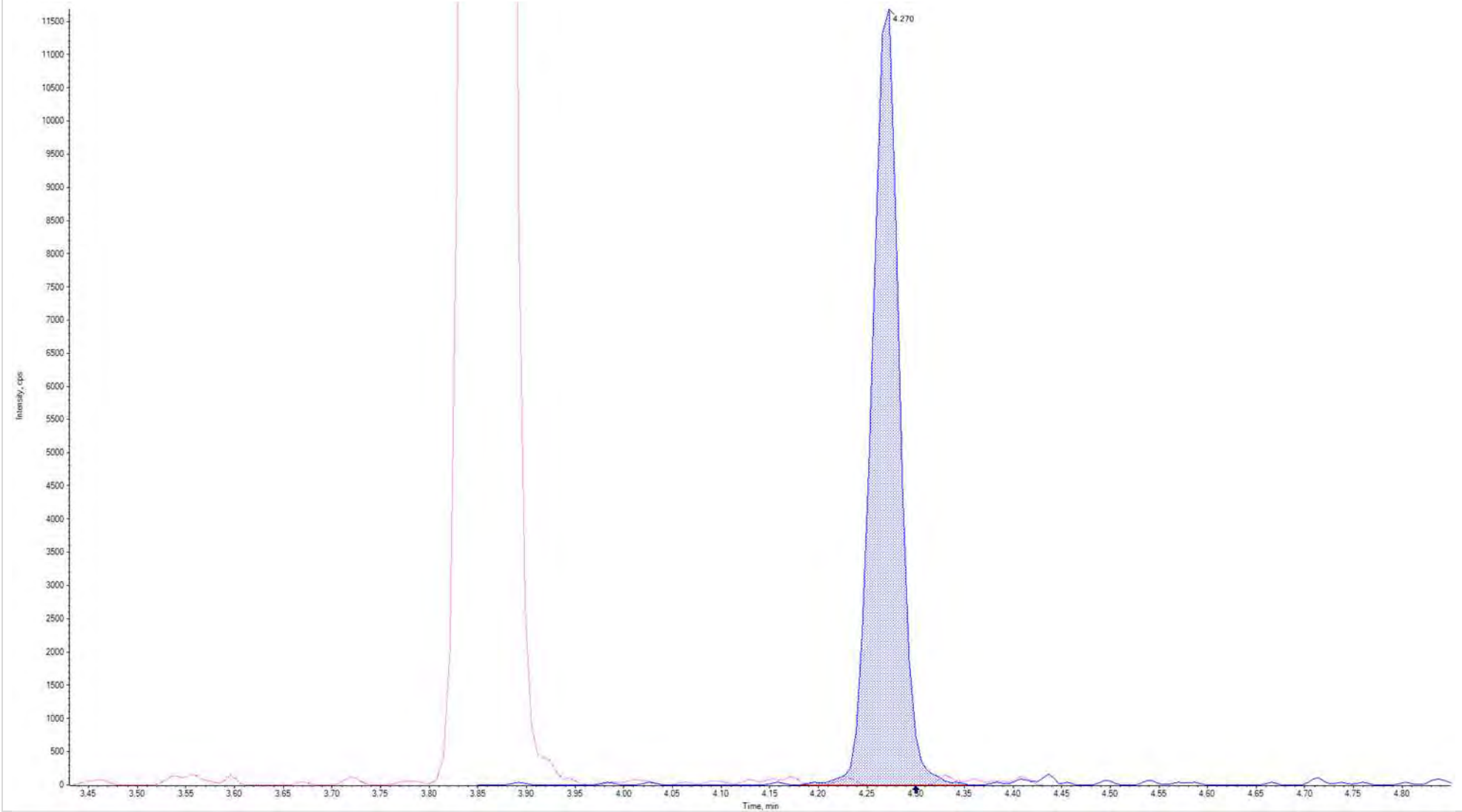
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFNS
Sample: WG2013165-1,1633LOW S/N:292.9 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/24/2024 12:27:37 PM
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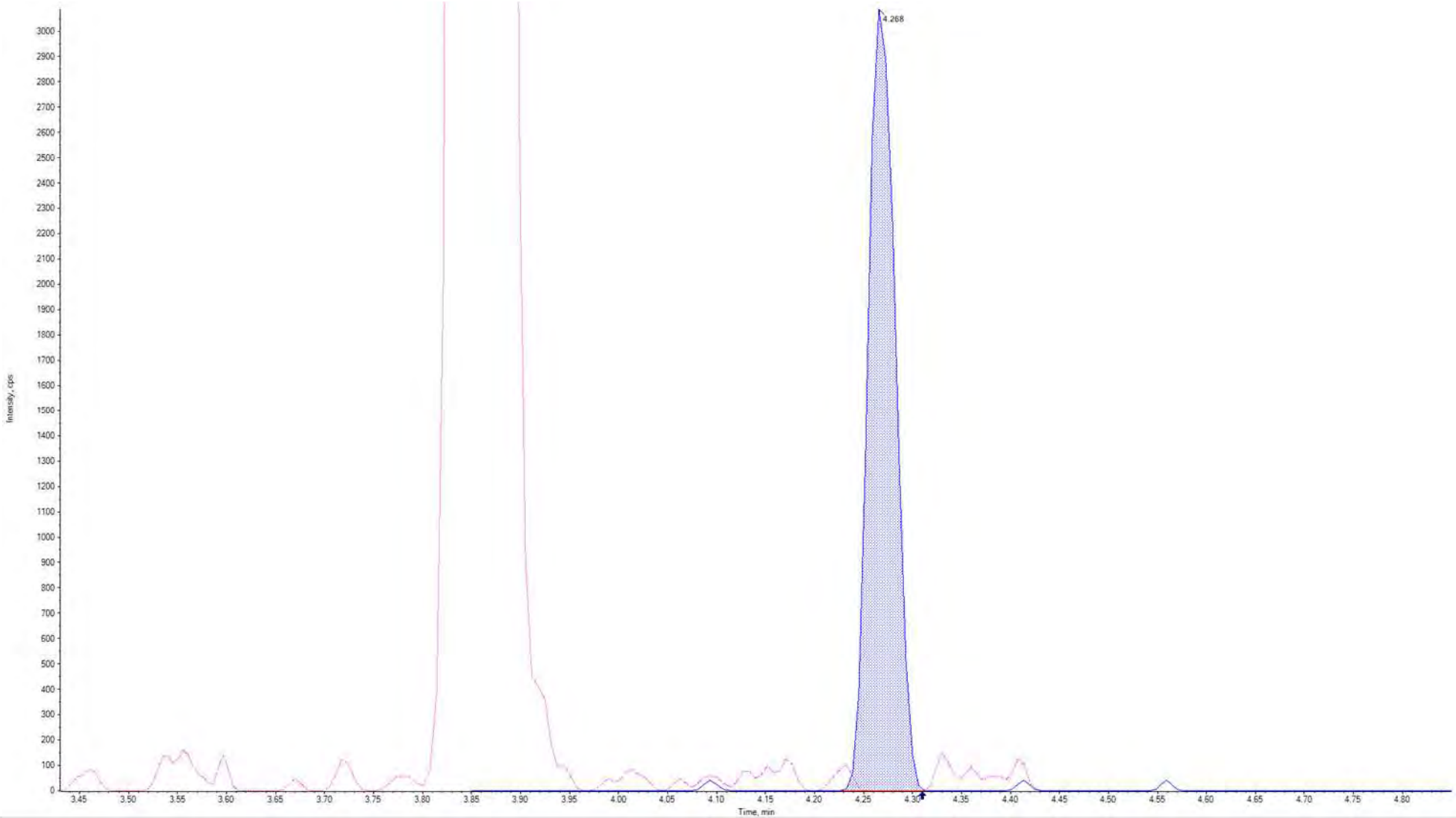
PFNS_2
Sample: WG2013165-1,1633LOW S/N:77.4 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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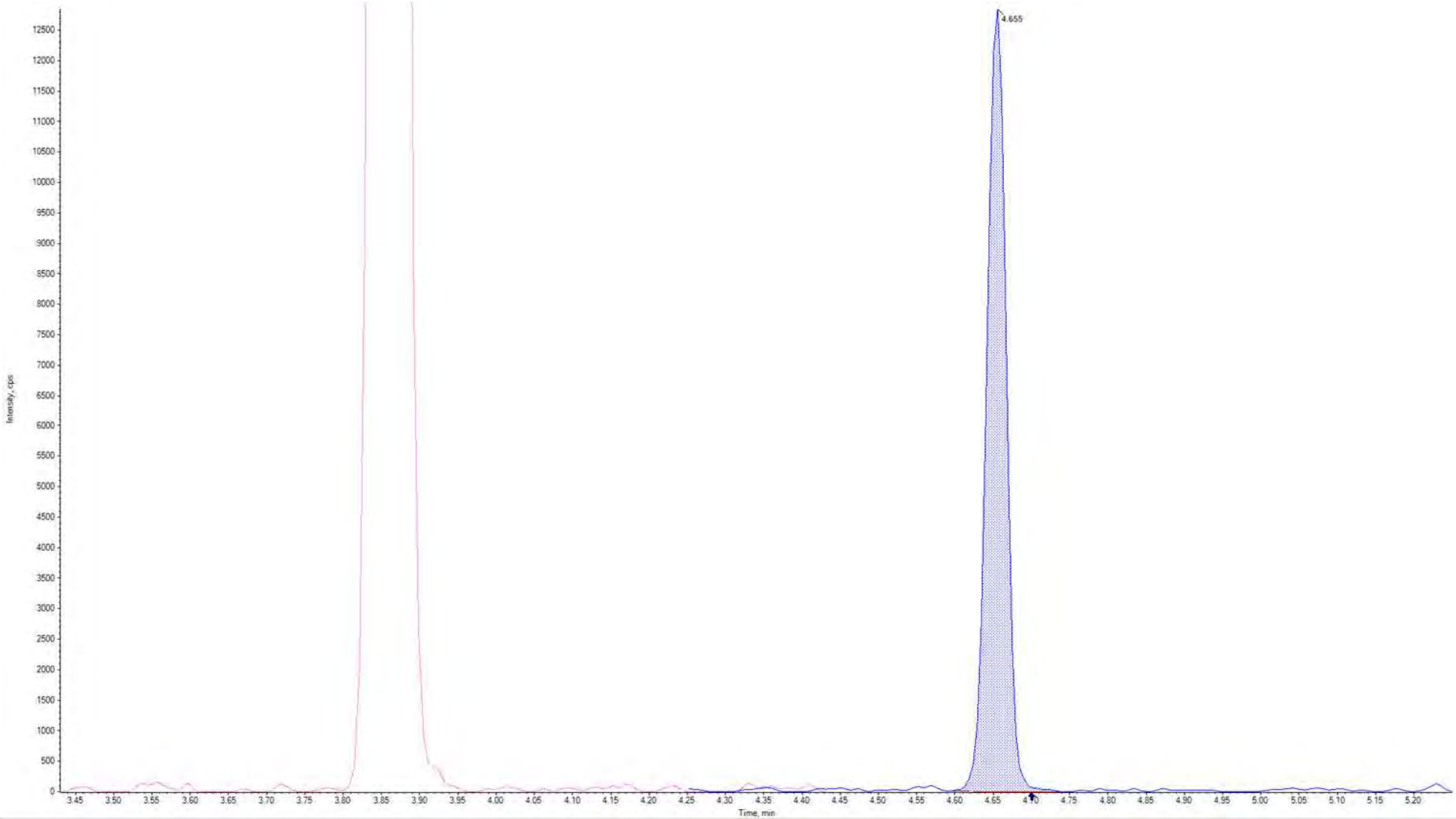
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFDS
Sample: WG2013165-1,1633LOW S/N:450.5 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_16.wiff2_1
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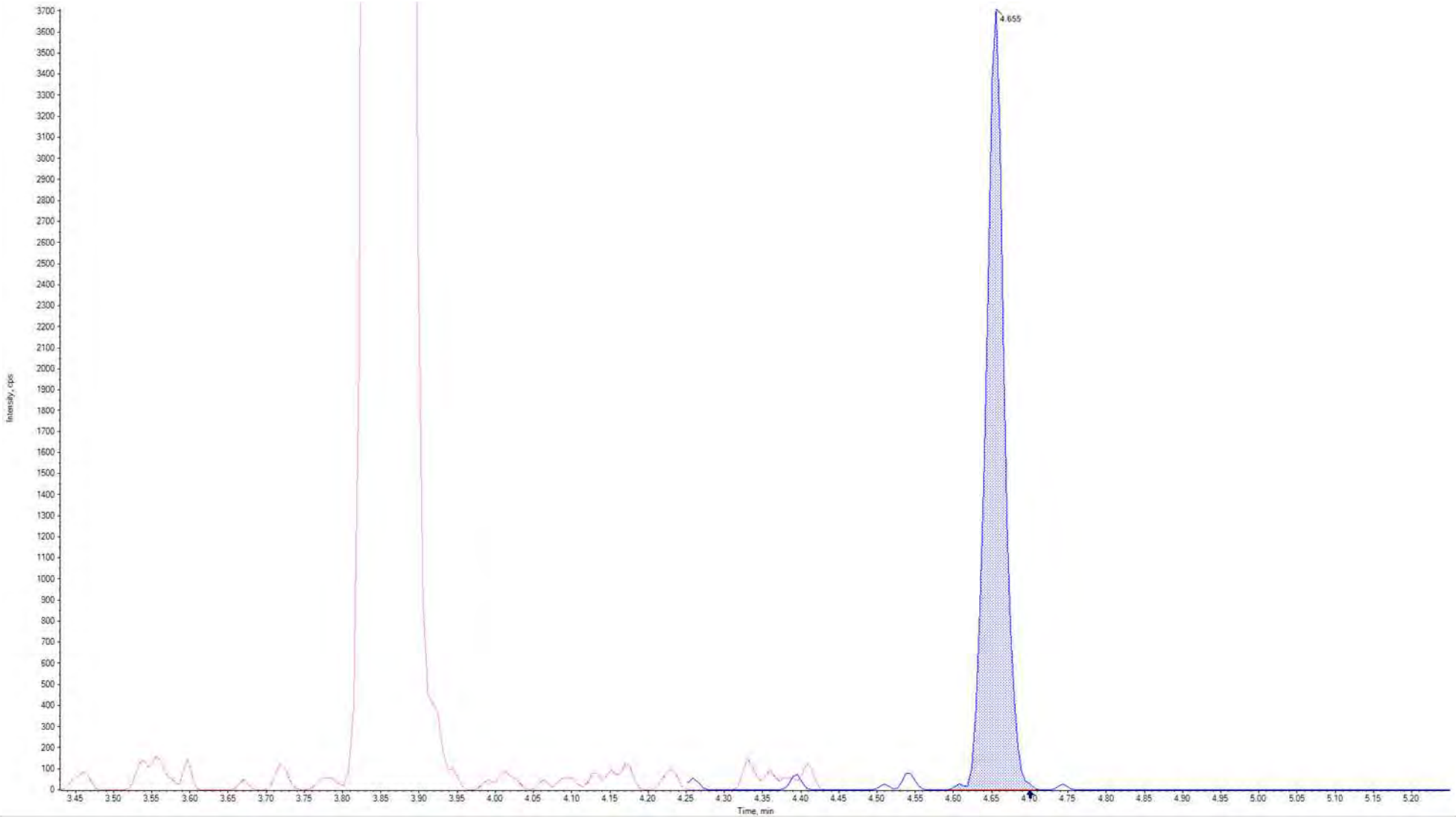
PFDS_2
Sample: WG2013165-1,1633LOW S/N:130.1 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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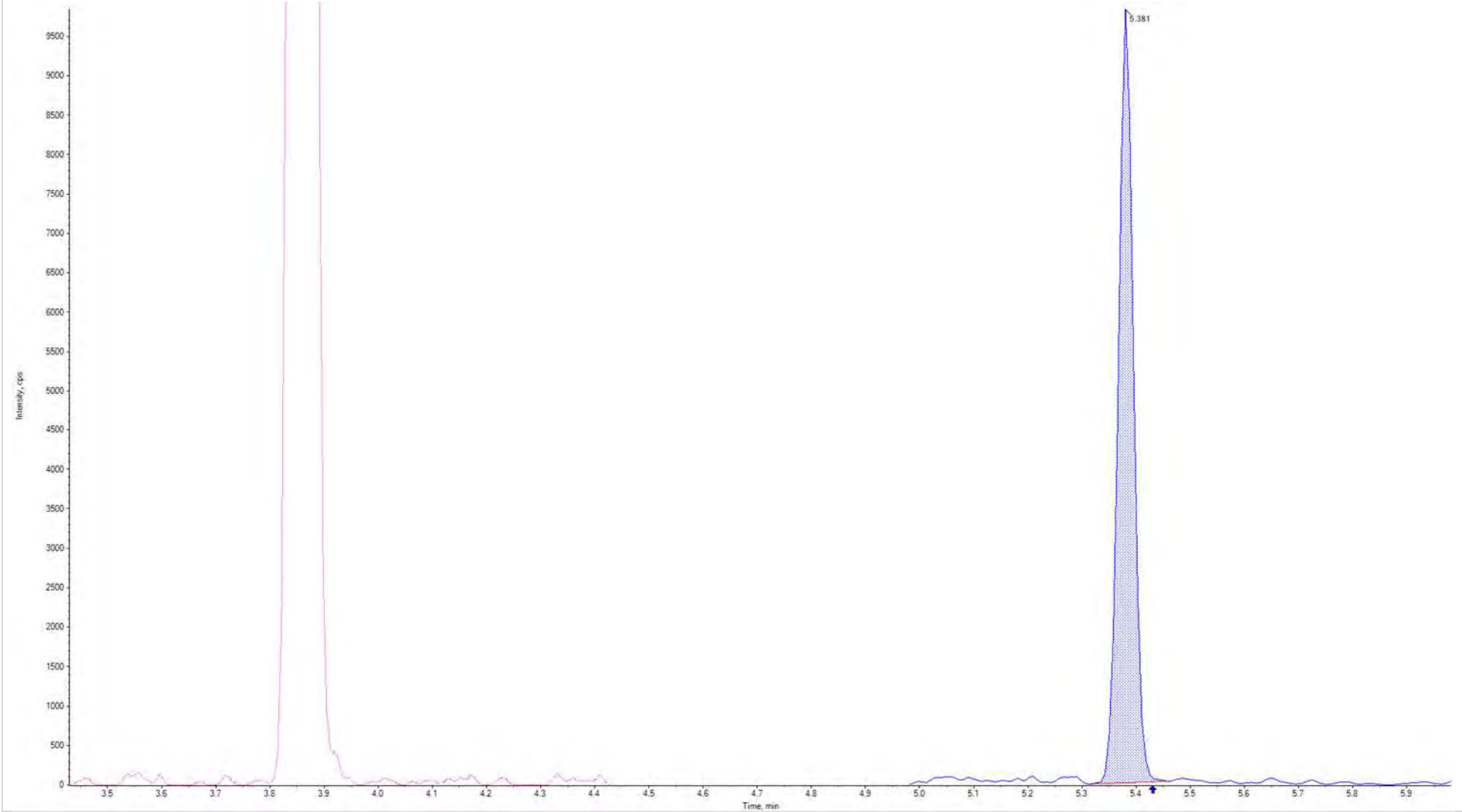
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFDoS
Sample: WG2013165-1,1633LOW S/N:762.8 Points Across peak:20



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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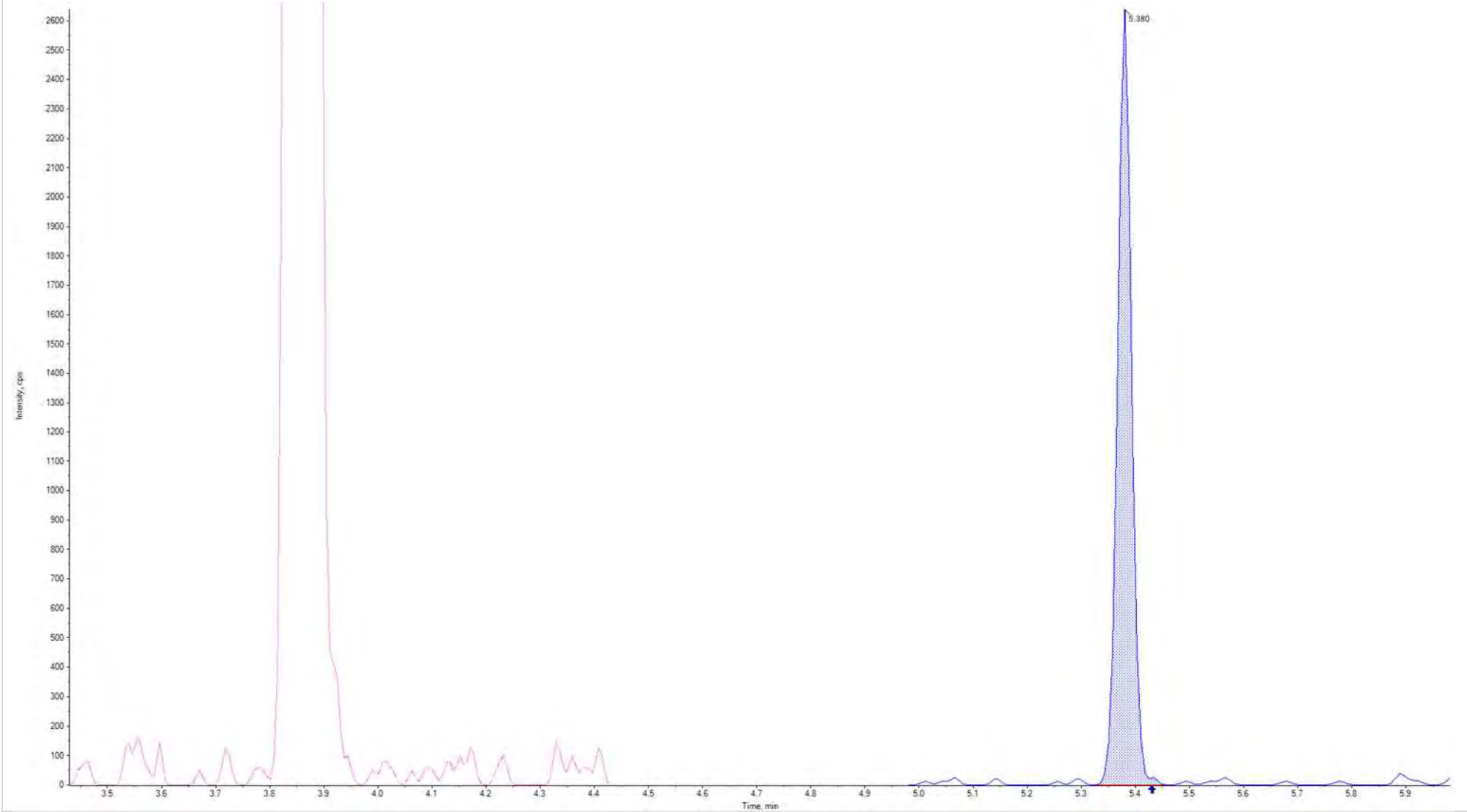
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFDoS_2
Sample: WG2013165-1,1633LOW S/N:205.1 Points Across peak:20



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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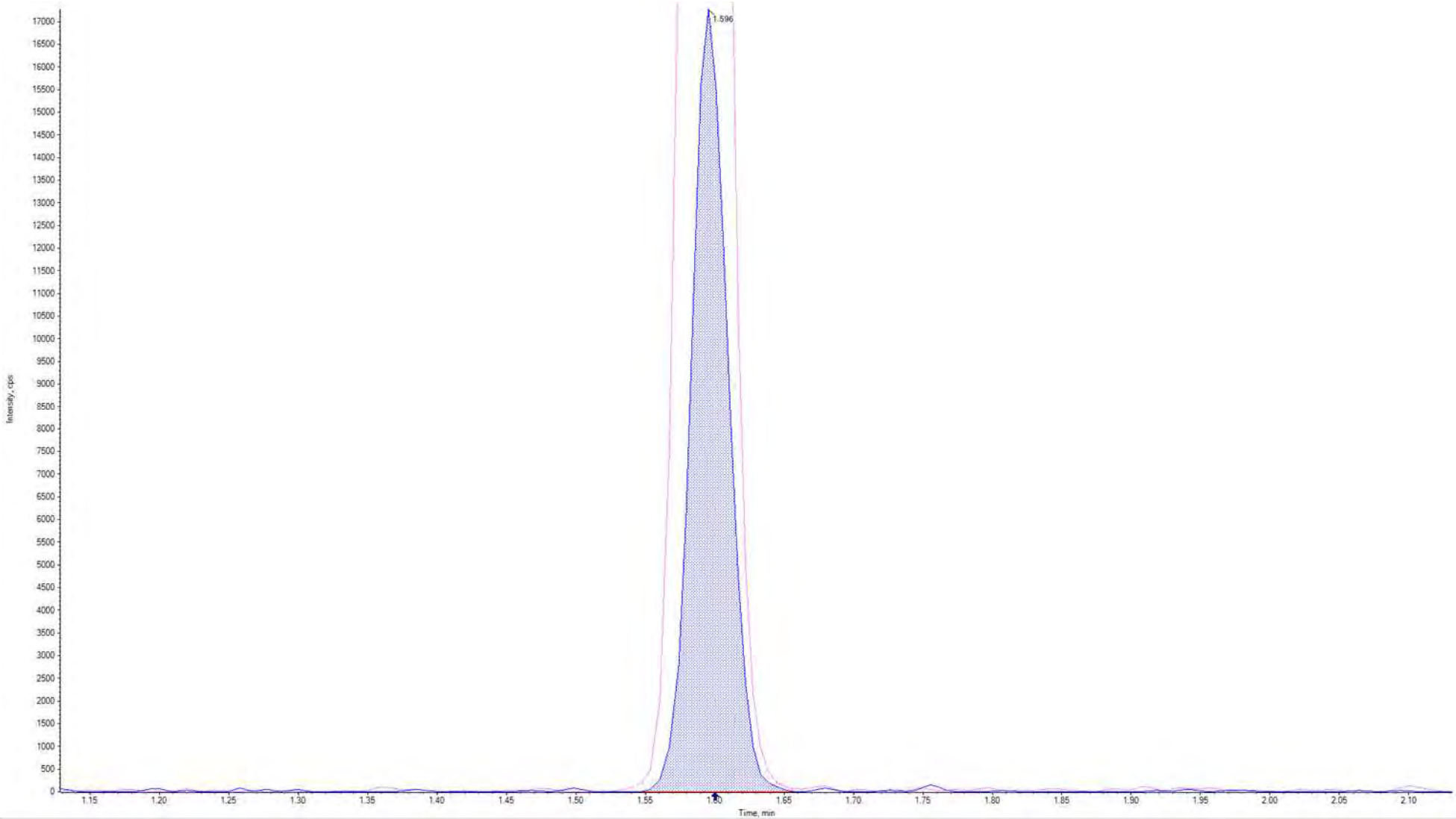
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

4:2FTS
Sample: WG2013165-1,1633LOW S/N:649.4 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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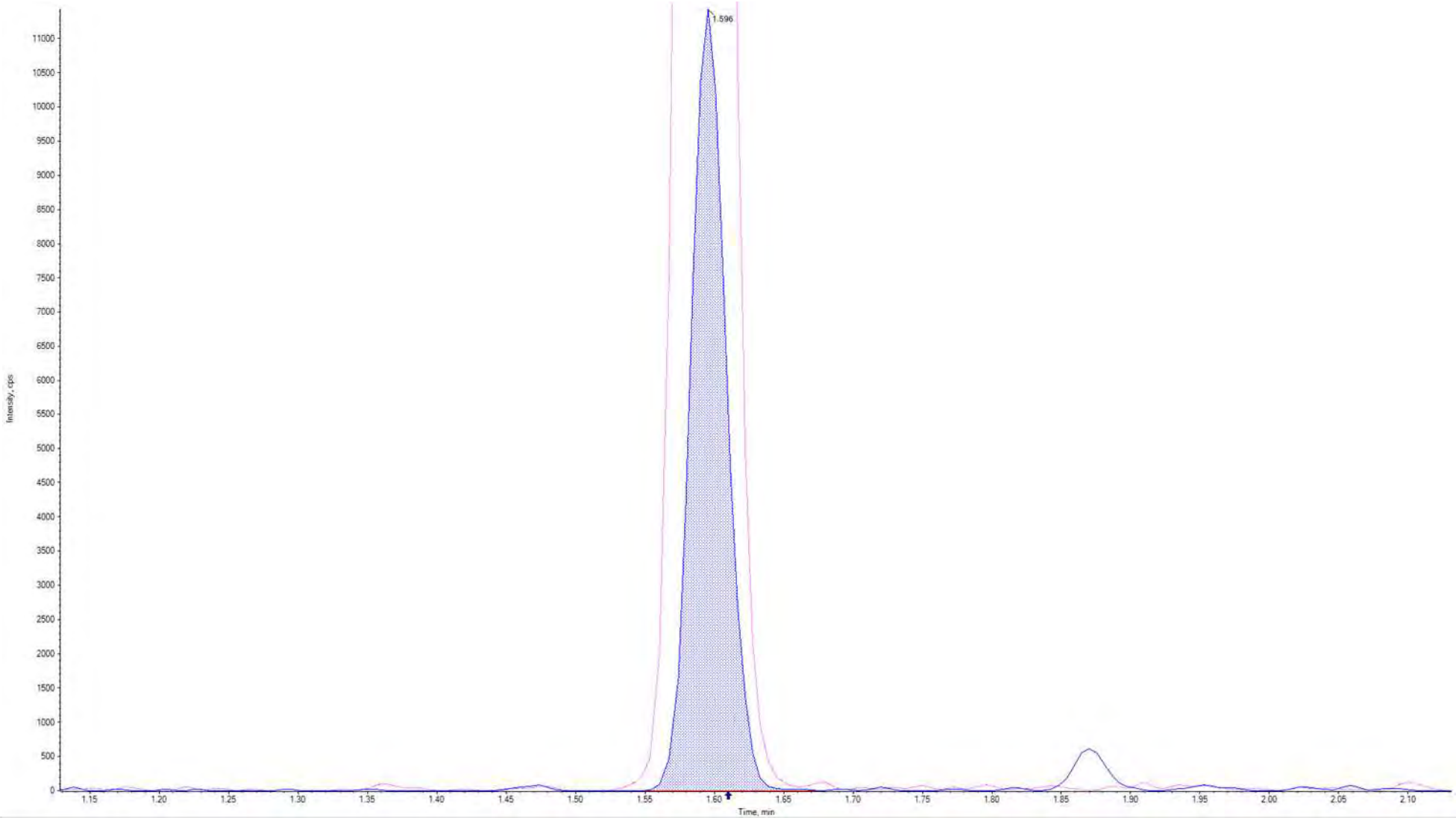
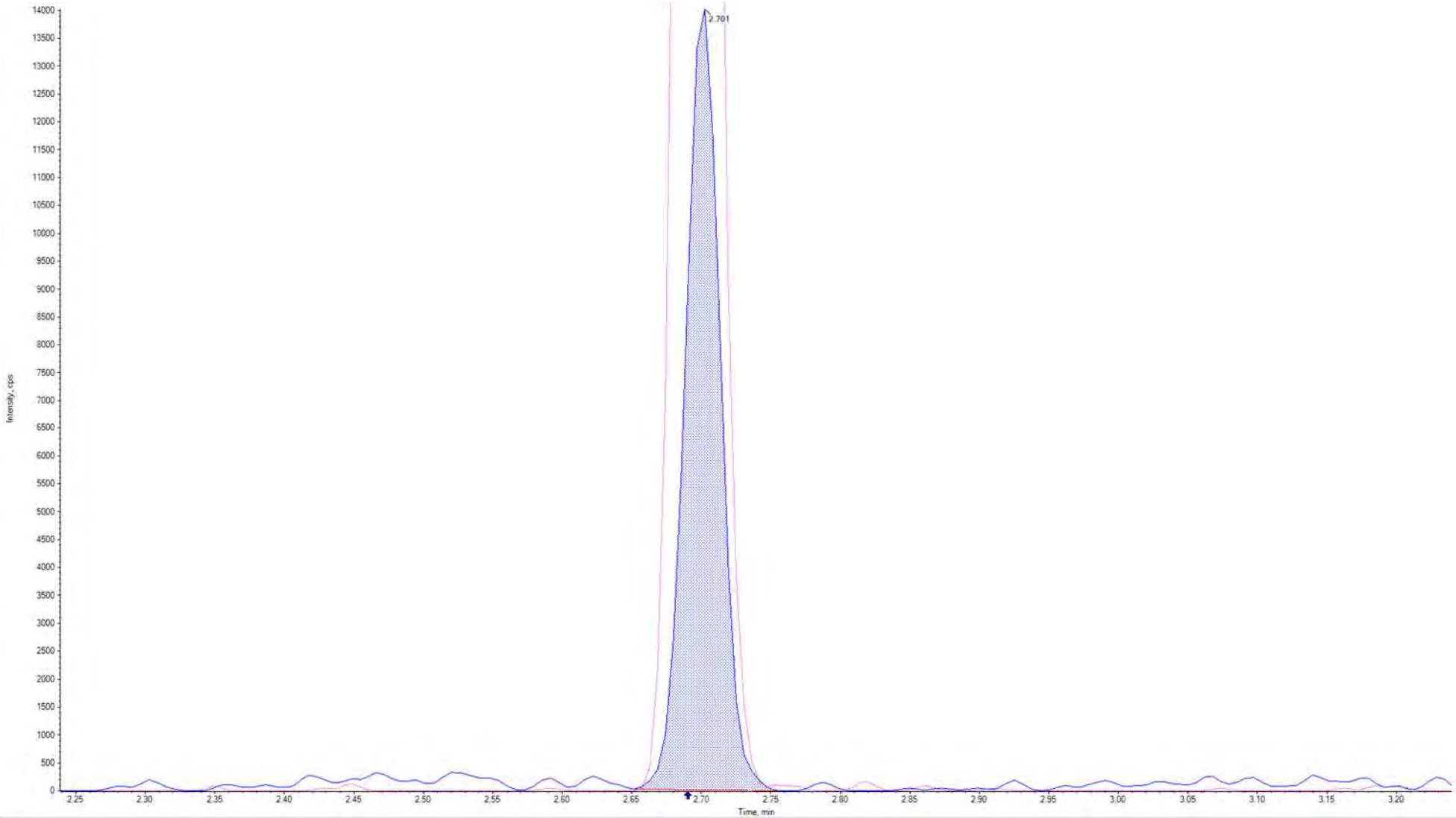
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

4:2FTS_2
Sample: WG2013165-1,1633LOW S/N:429.7 Points Across peak:25



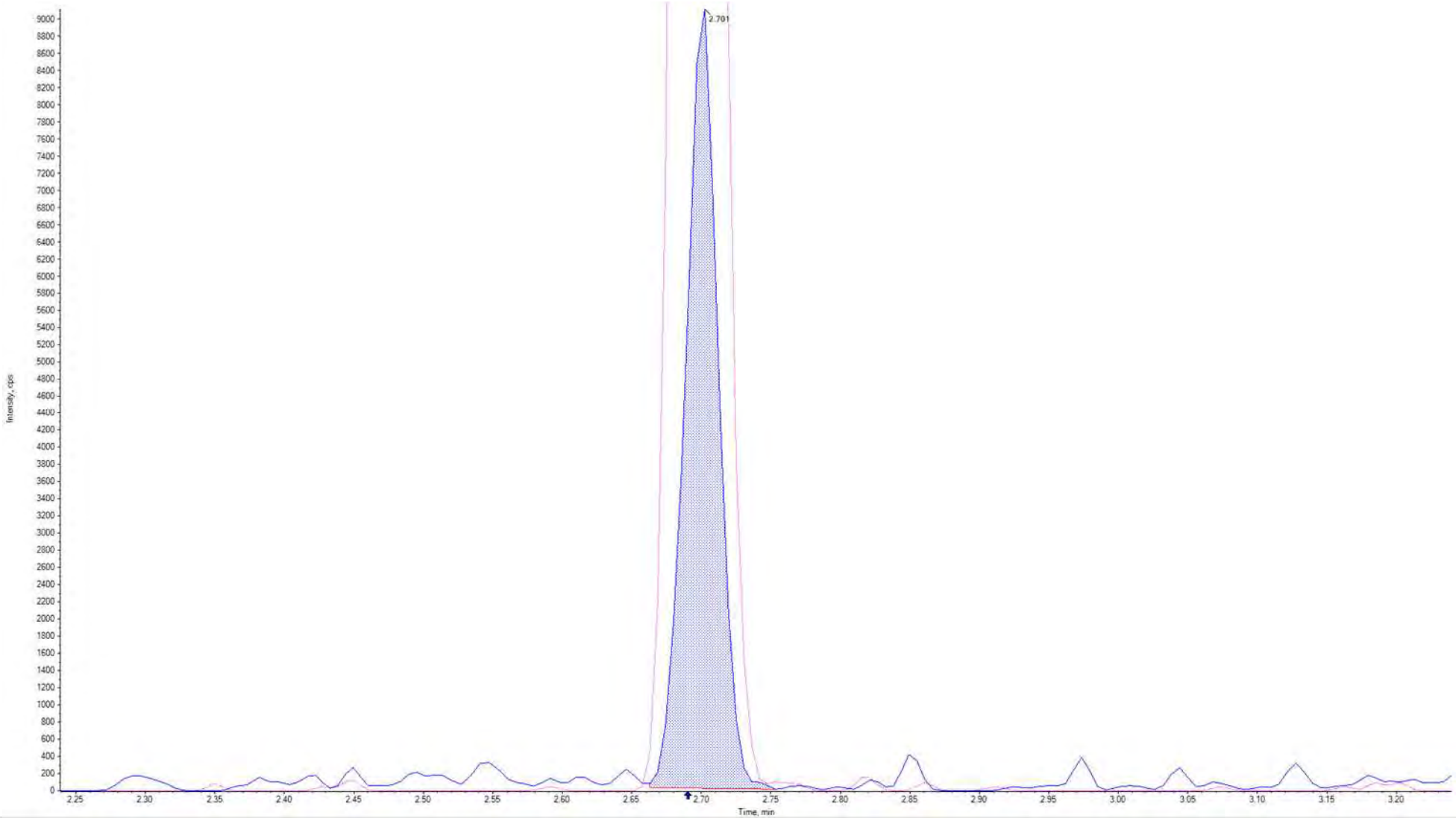
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_16.wiff2_1
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

6:2FTS
Sample: WG2013165-1,1633LOW S/N:280.9 Points Across peak:20



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_16.wiff2_1
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

6:2FTS_2
Sample: WG2013165-1,1633LOW S/N:182.2 Points Across peak:17



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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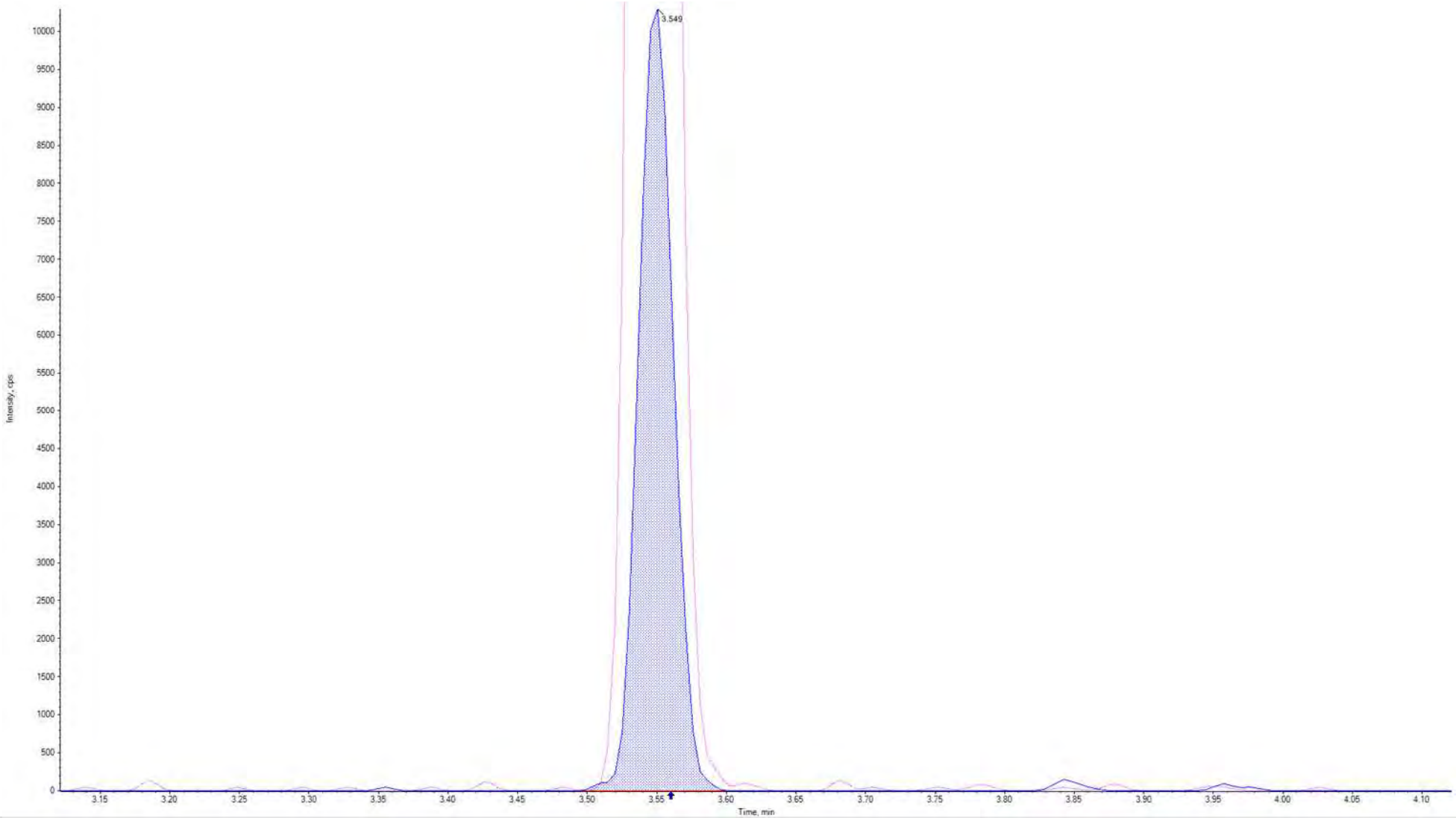
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

8:2FTS
Sample: WG2013165-1,1633LOW S/N:206.4 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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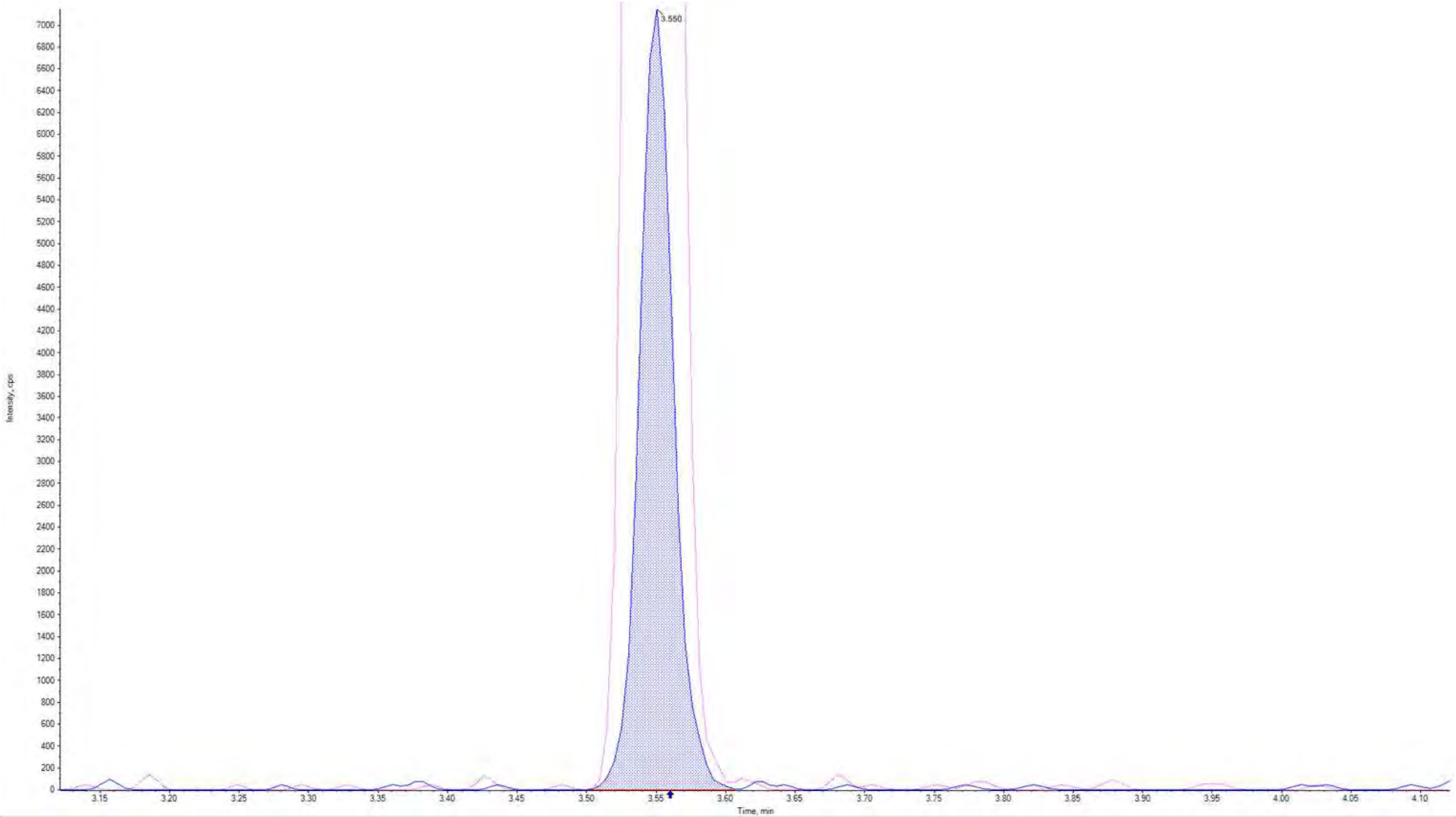
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

8:2FTS_2
Sample: WG2013165-1,1633LOW S/N:143.3 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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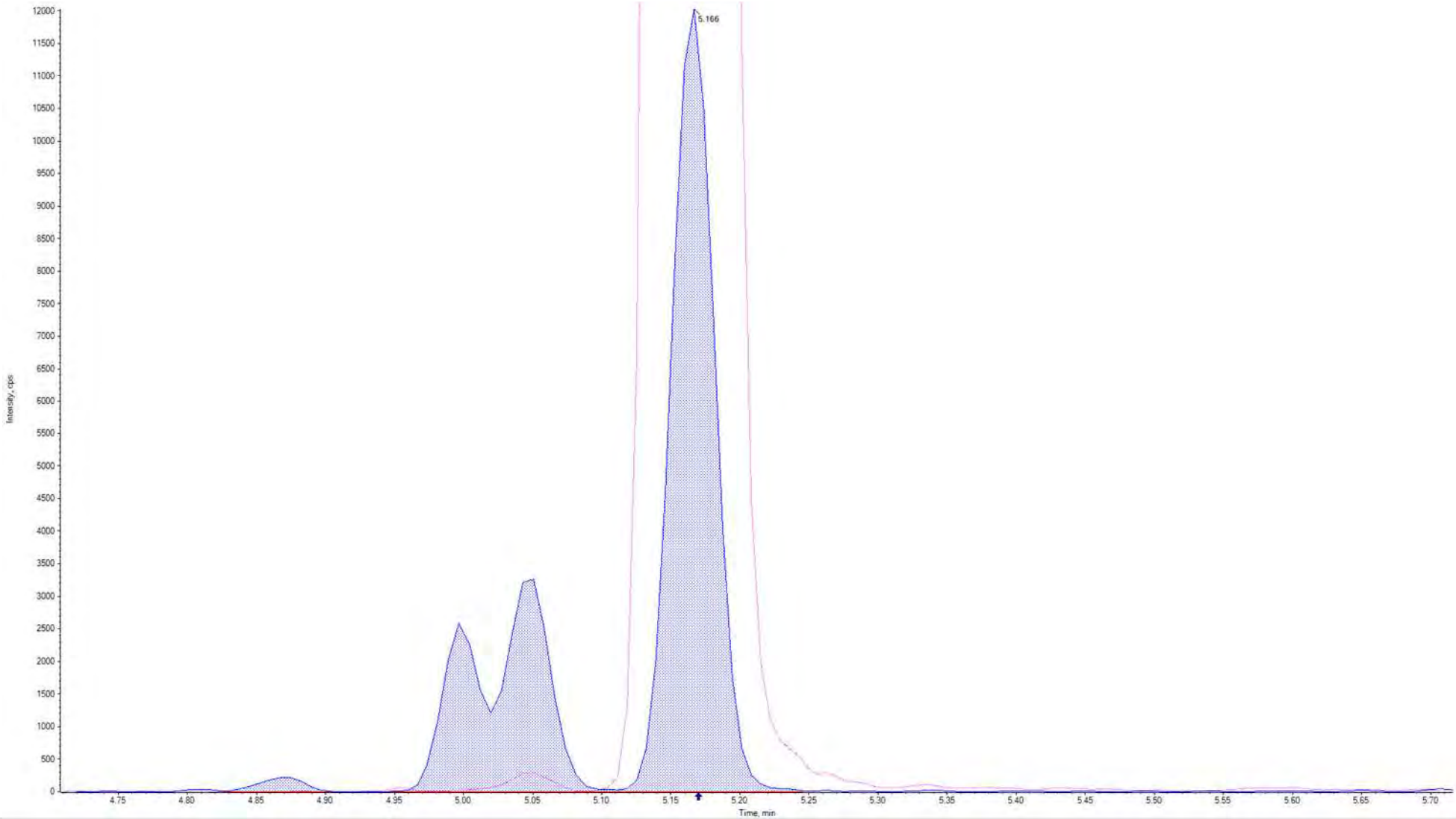
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFOSA
Sample: WG2013165-1,1633LOW S/N:305.4 Points Across peak:62



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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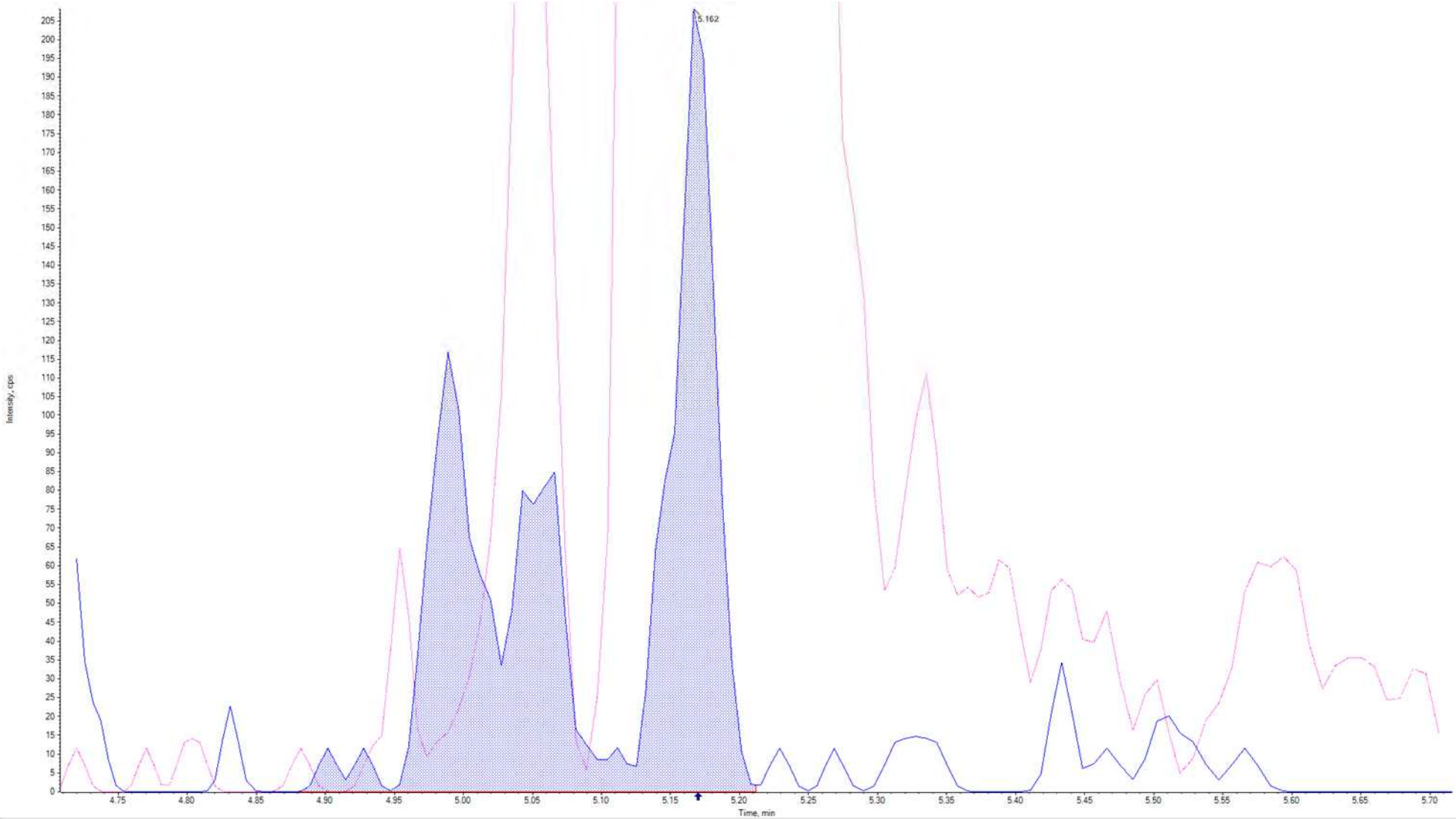
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFOSA_2
Sample: WG2013165-1,1633LOW S/N:18.3 Points Across peak:49



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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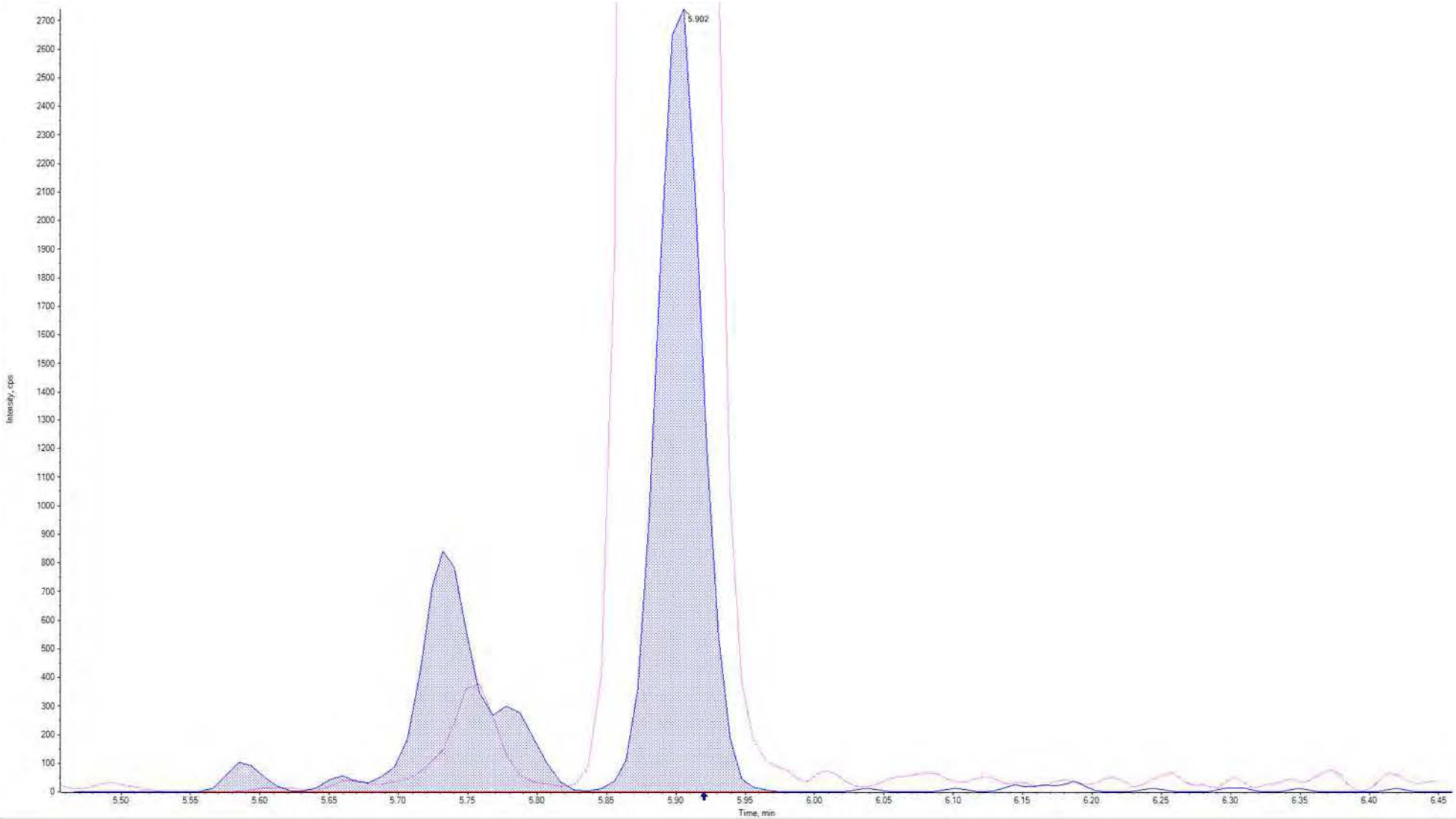
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

NMeFOSA
Sample: WG2013165-1,1633LOW S/N:195.0 Points Across peak:49



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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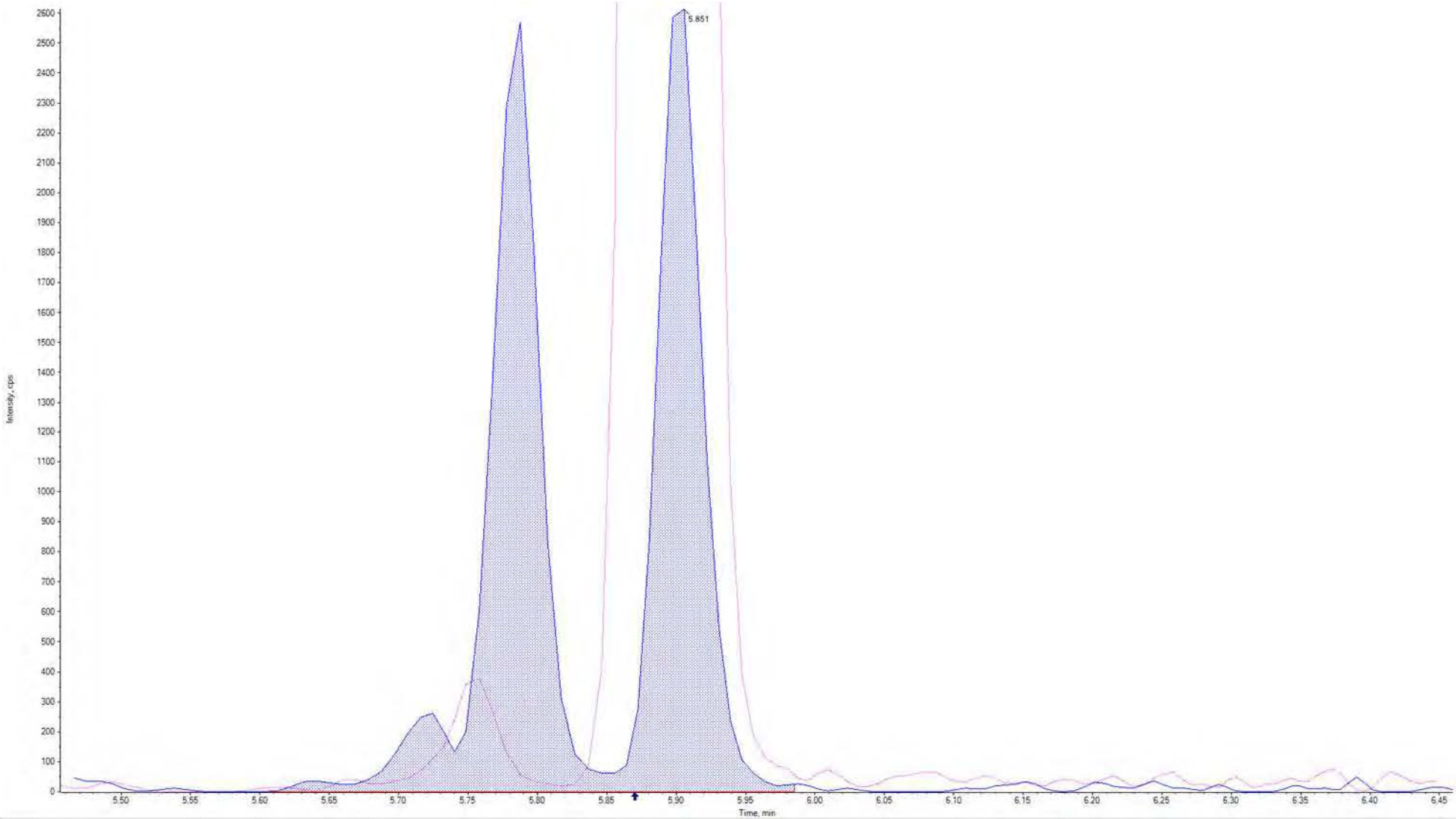
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

NMeFOSA_2
Sample: WG2013165-1,1633LOW S/N:125.0 Points Across peak:44



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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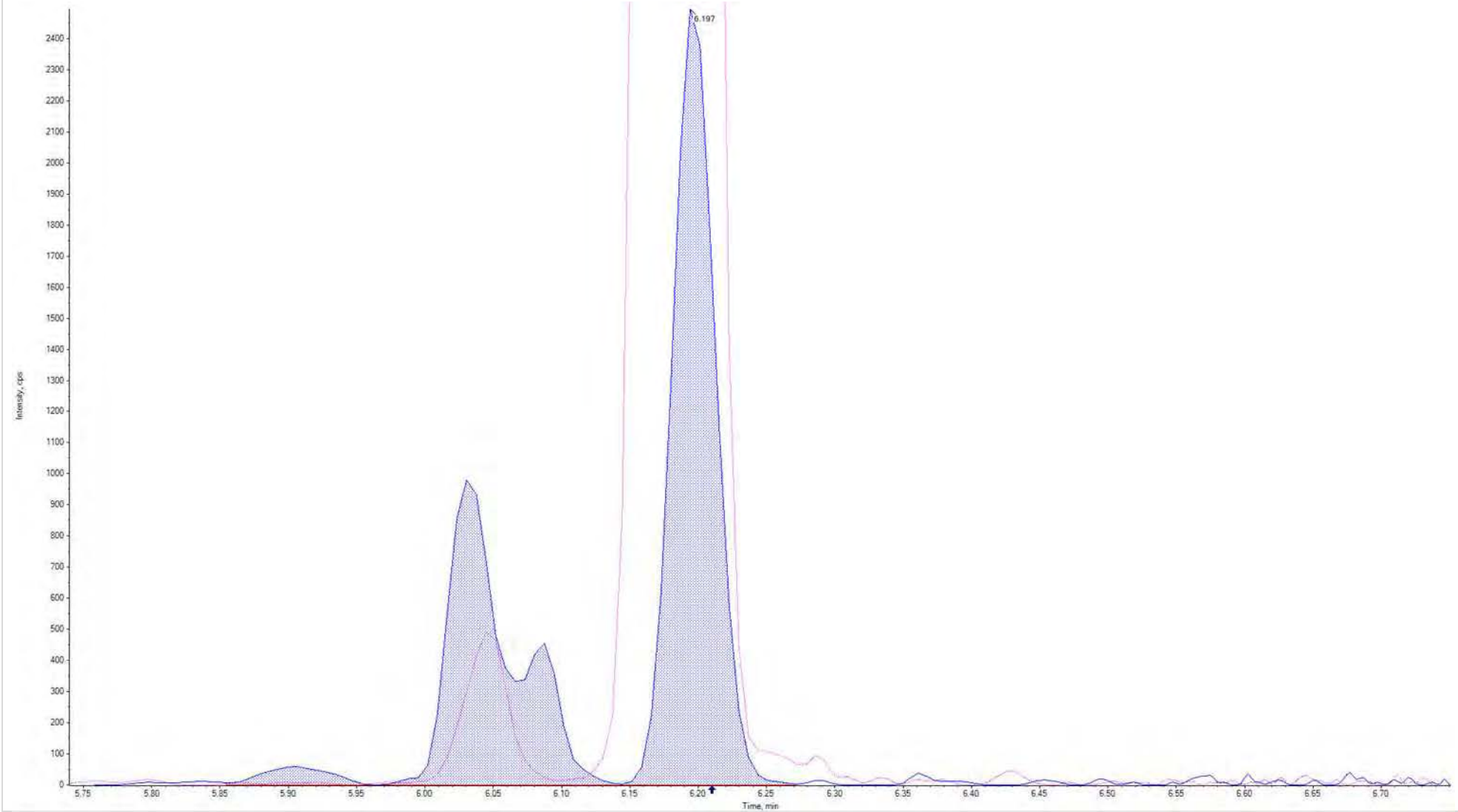
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

NEtFOSA
Sample: WG2013165-1,1633LOW S/N:267.7 Points Across peak:58



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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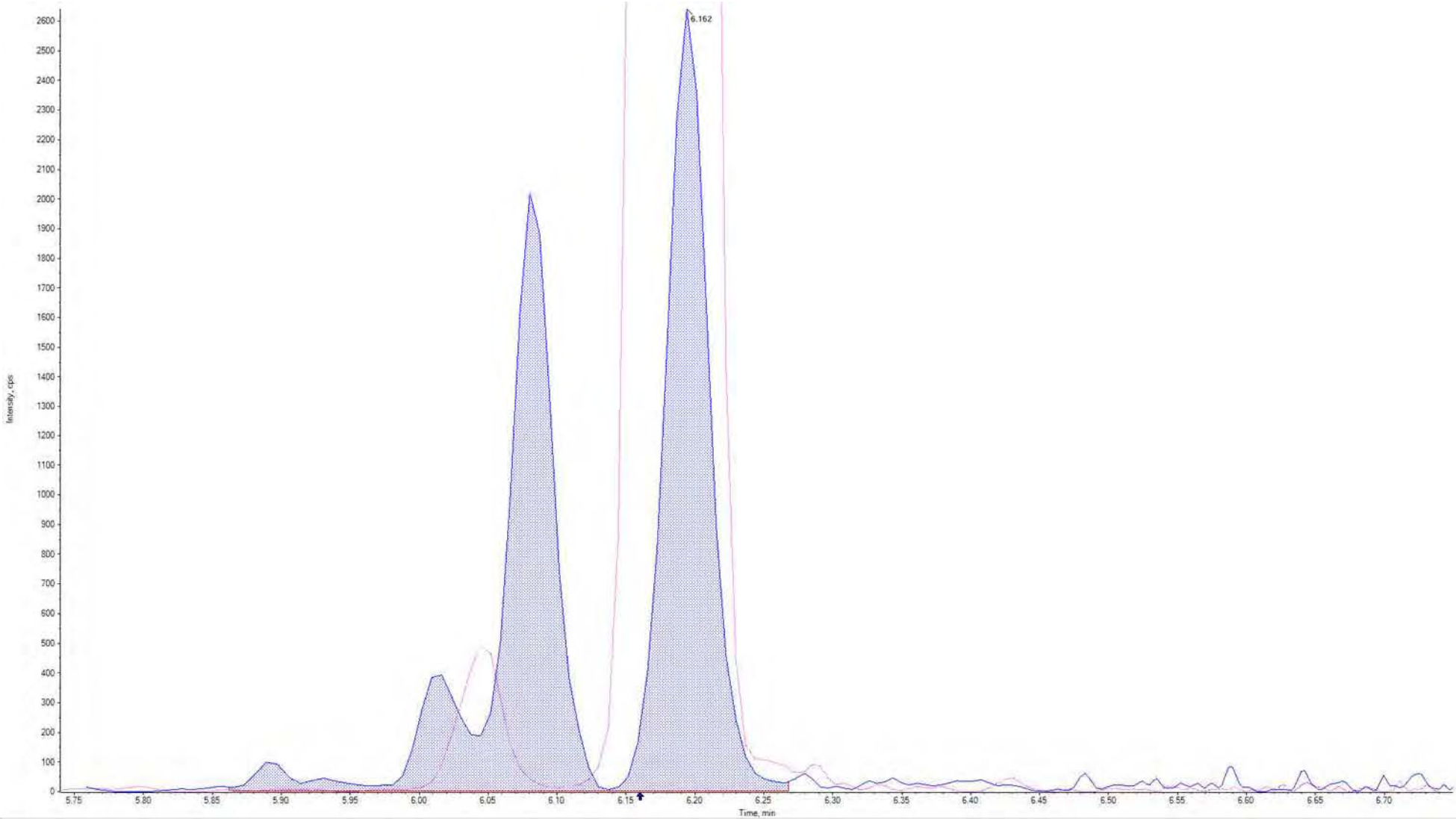
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

NEtFOSA_2
Sample: WG2013165-1,1633LOW S/N:172.8 Points Across peak:57



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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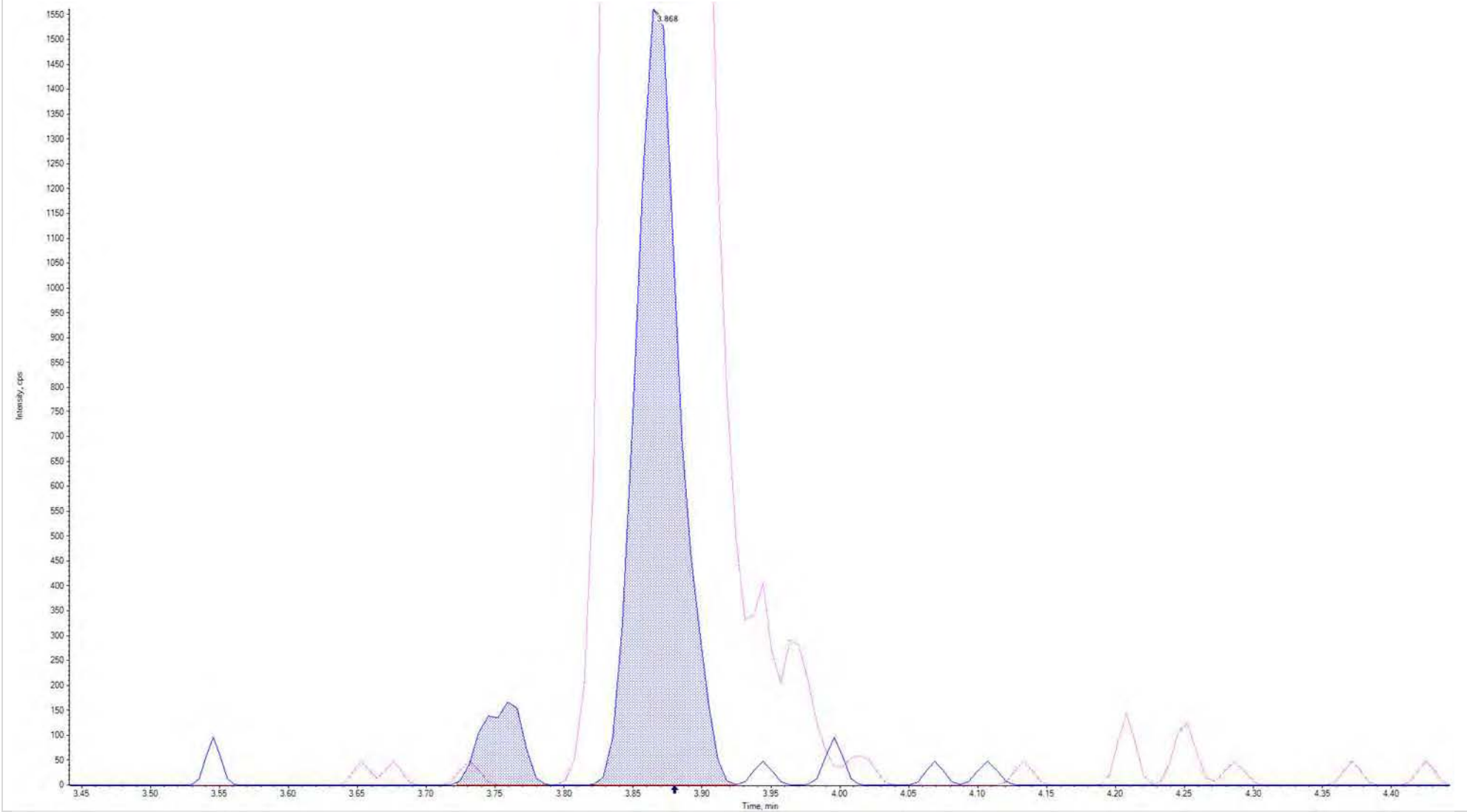
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

NMeFOSAA
Sample: WG2013165-1,1633LOW S/N:31.3 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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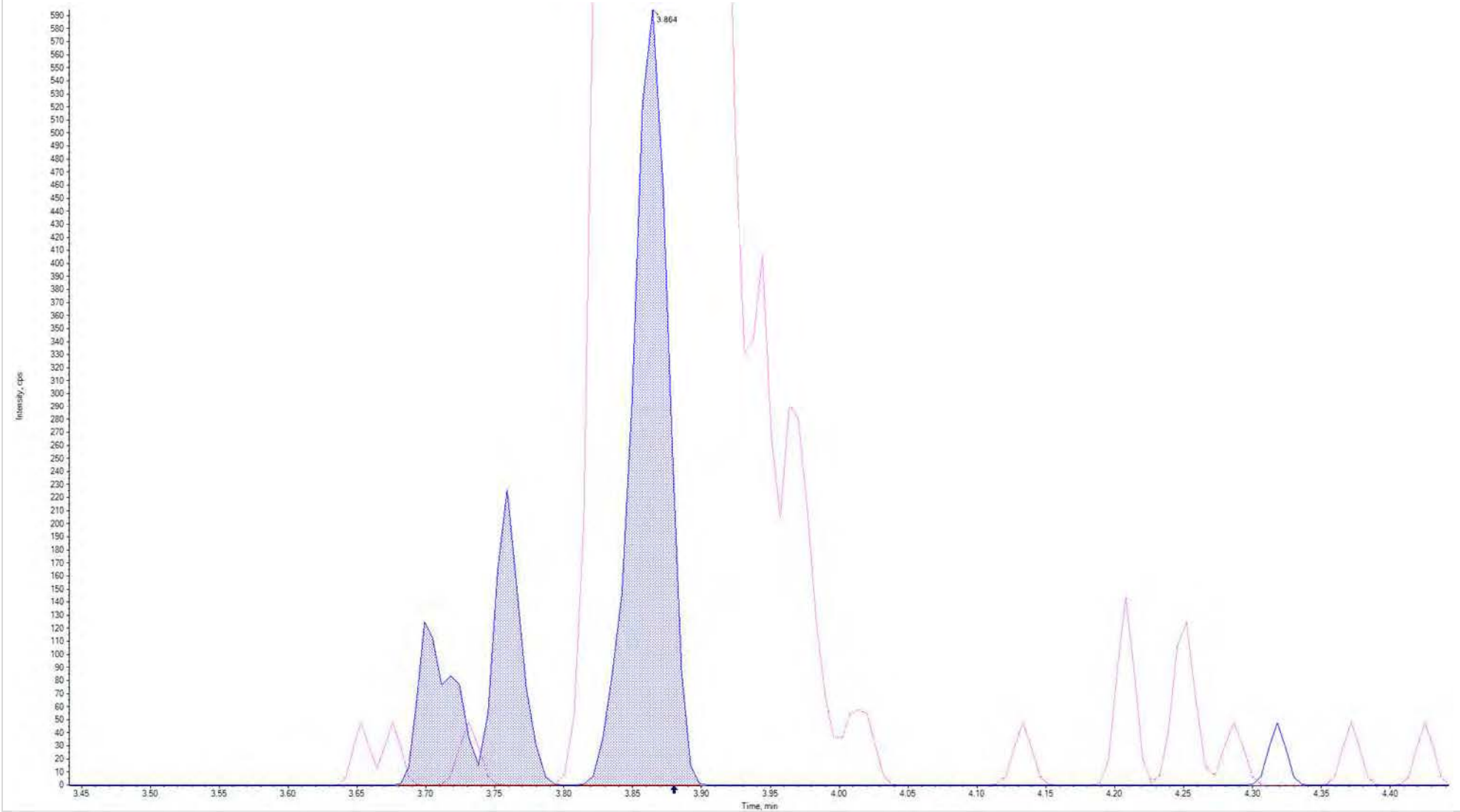
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

NMeFOSAA_2
Sample: WG2013165-1,1633LOW S/N:11.9 Points Across peak:35



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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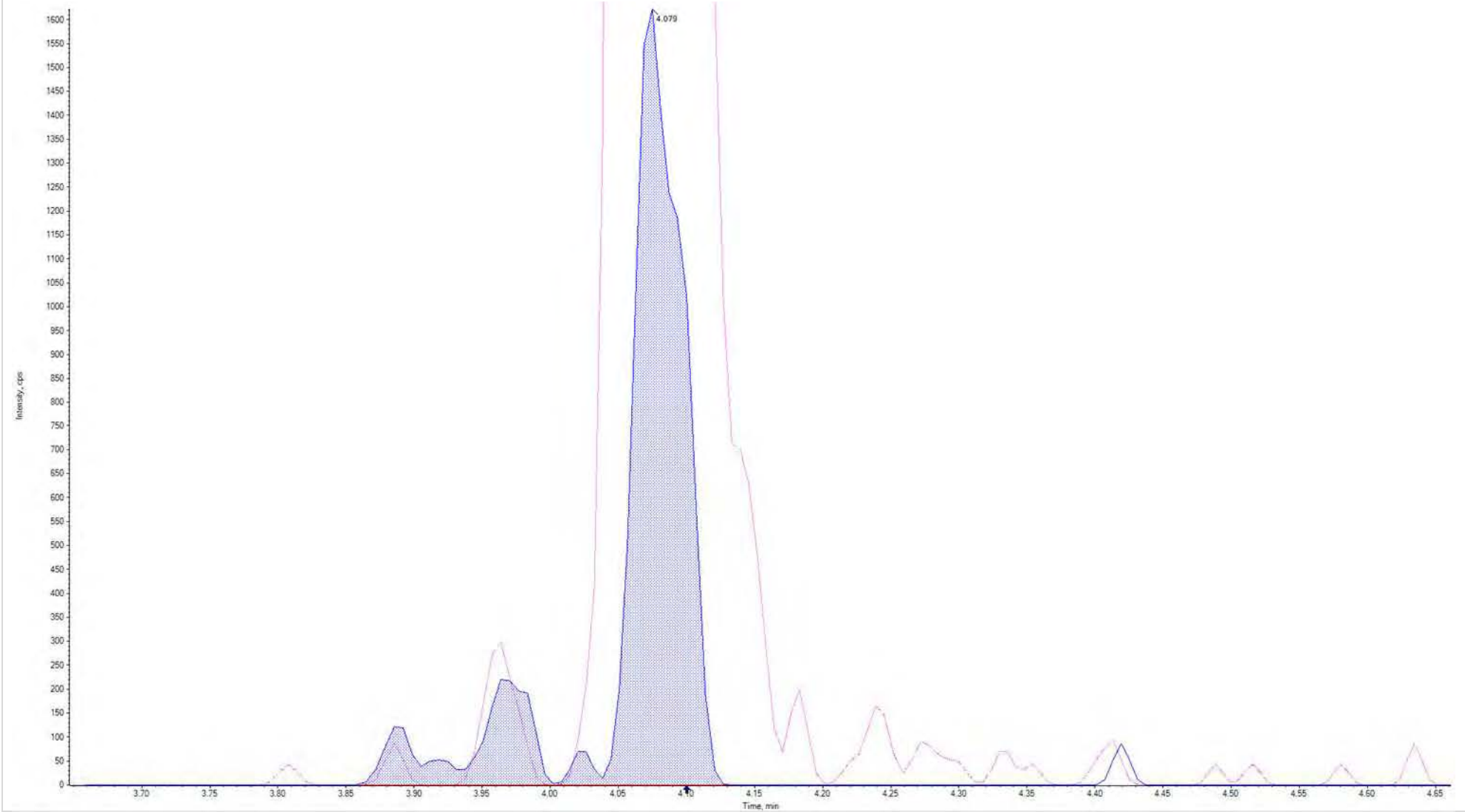
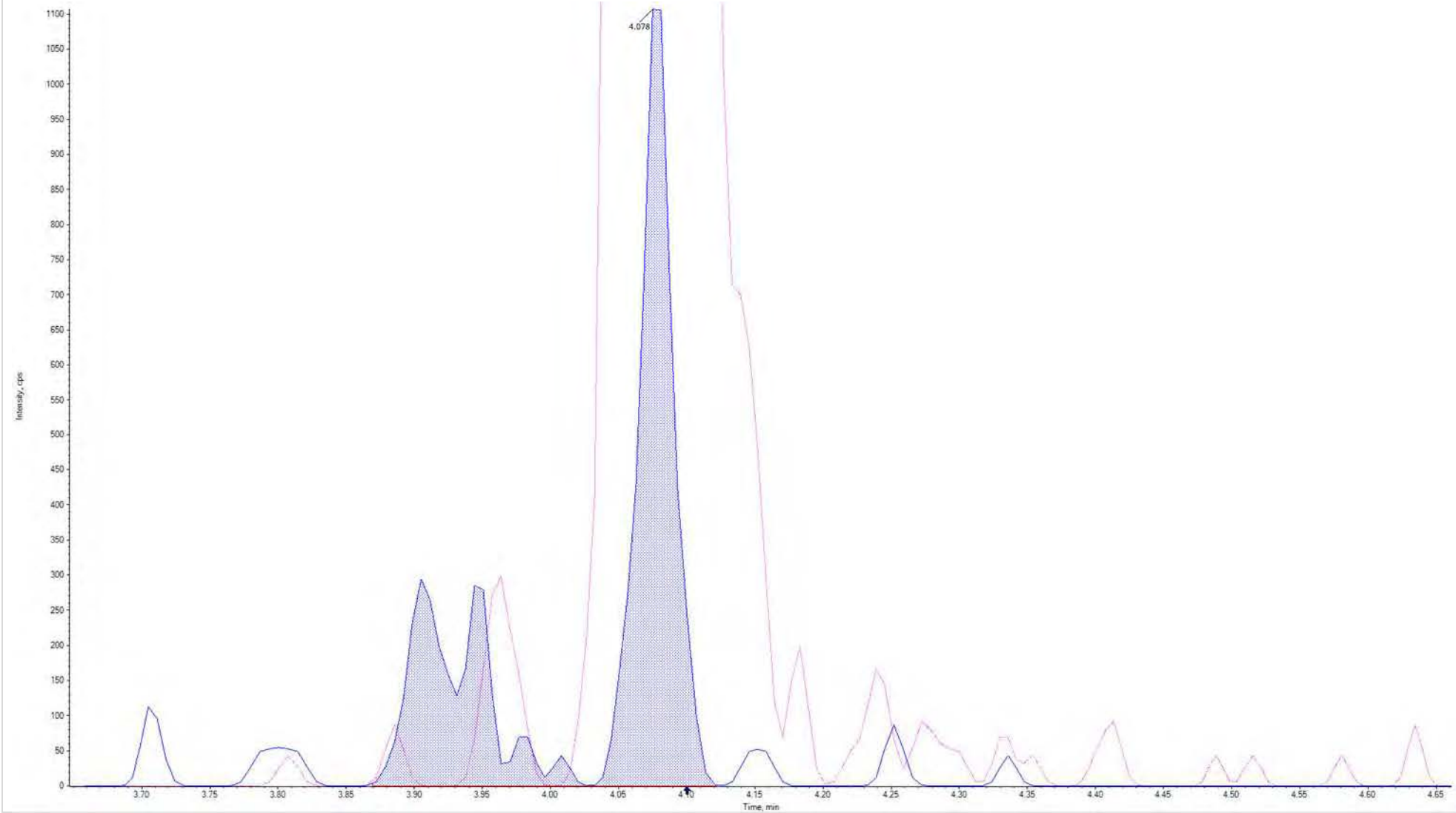
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

NEtFOSAA
Sample: WG2013165-1,1633LOW S/N:36.6 Points Across peak:53



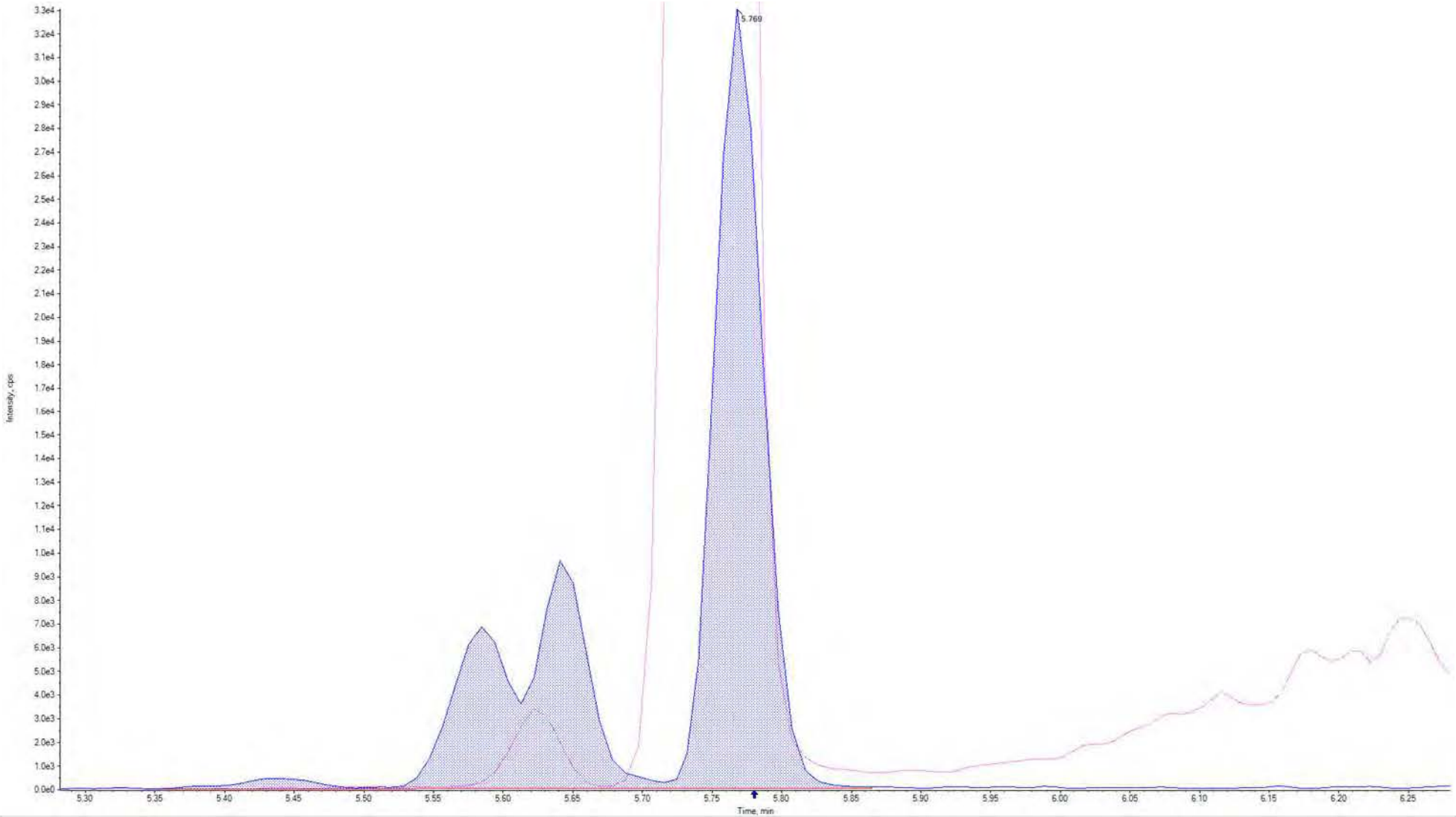
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_16.wiff2_1
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

NEtFOSAA_2
Sample: WG2013165-1,1633LOW S/N:25.0 Points Across peak:42



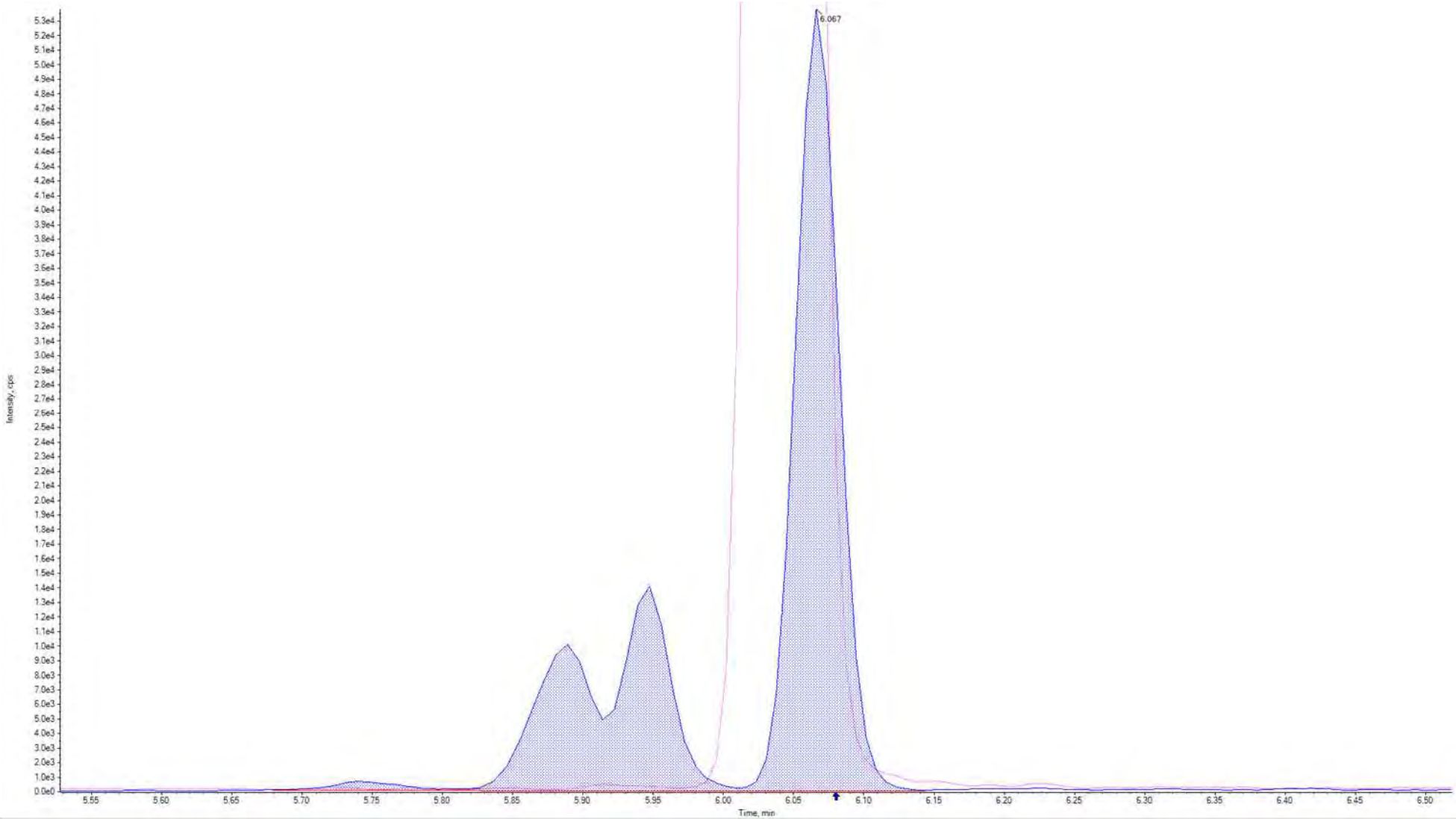
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_16.wiff2_1
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

NMeFOSE
Sample: WG2013165-1,1633LOW S/N:193.4 Points Across peak:60



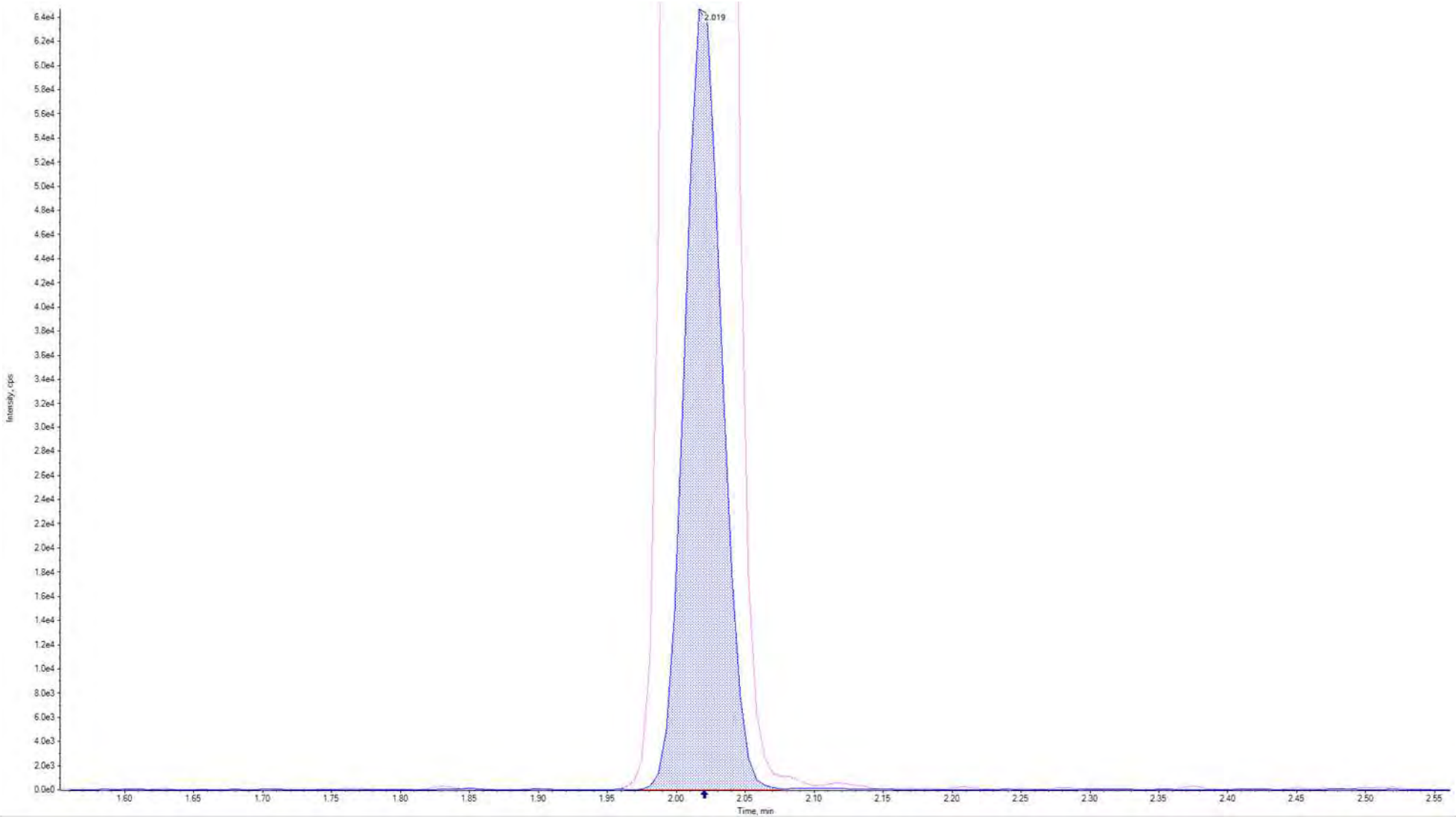
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_16.wiff2_1
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

NEtFOSE
Sample: WG2013165-1,1633LOW S/N:271.8 Points Across peak:58



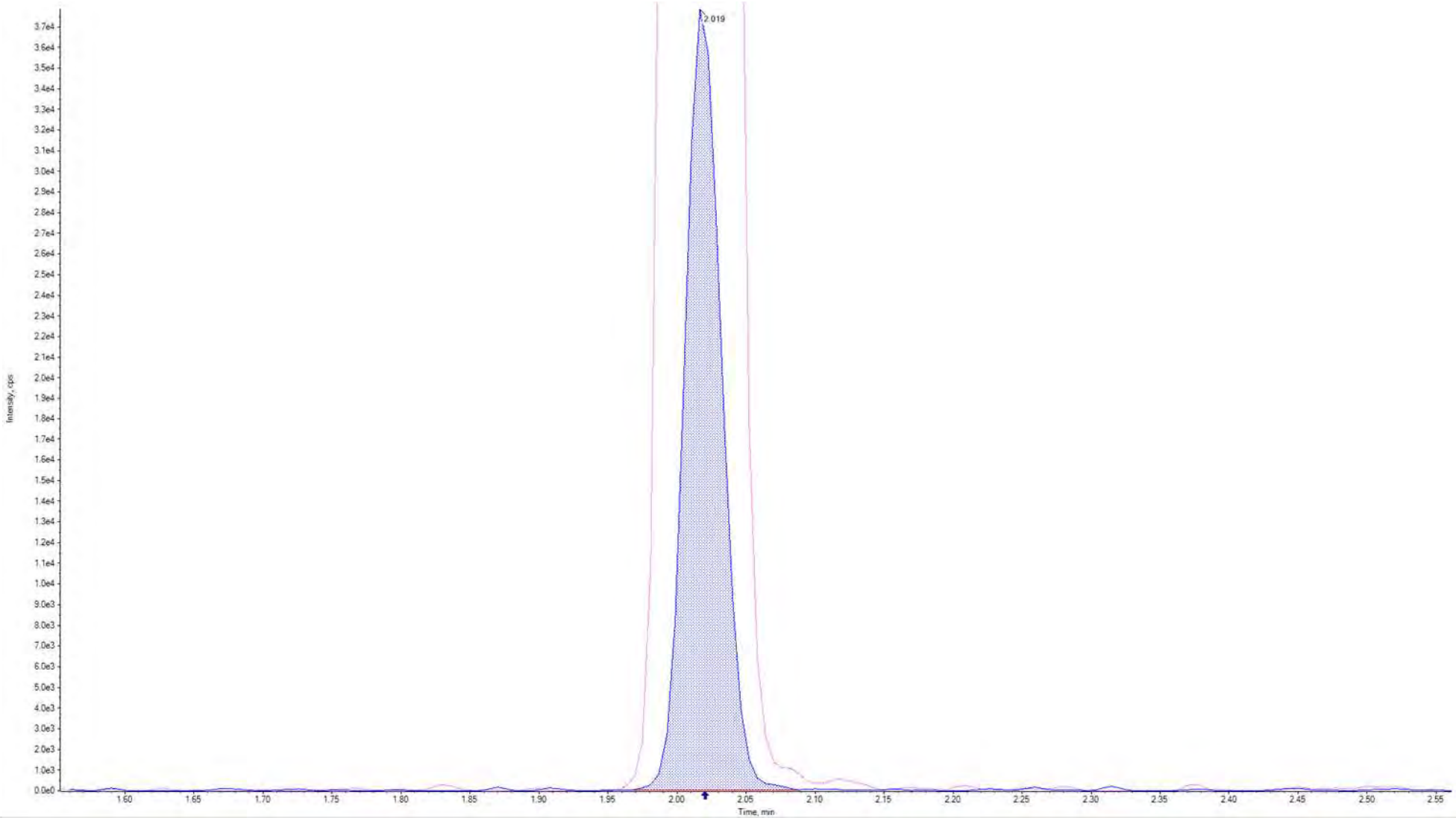
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_16.wiff2_1
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

HFPO-DA
Sample: WG2013165-1,1633LOW S/N:1458.6 Points Across peak:19



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_16.wiff2_1
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

HFPO-DA_2
Sample: WG2013165-1,1633LOW S/N:853.4 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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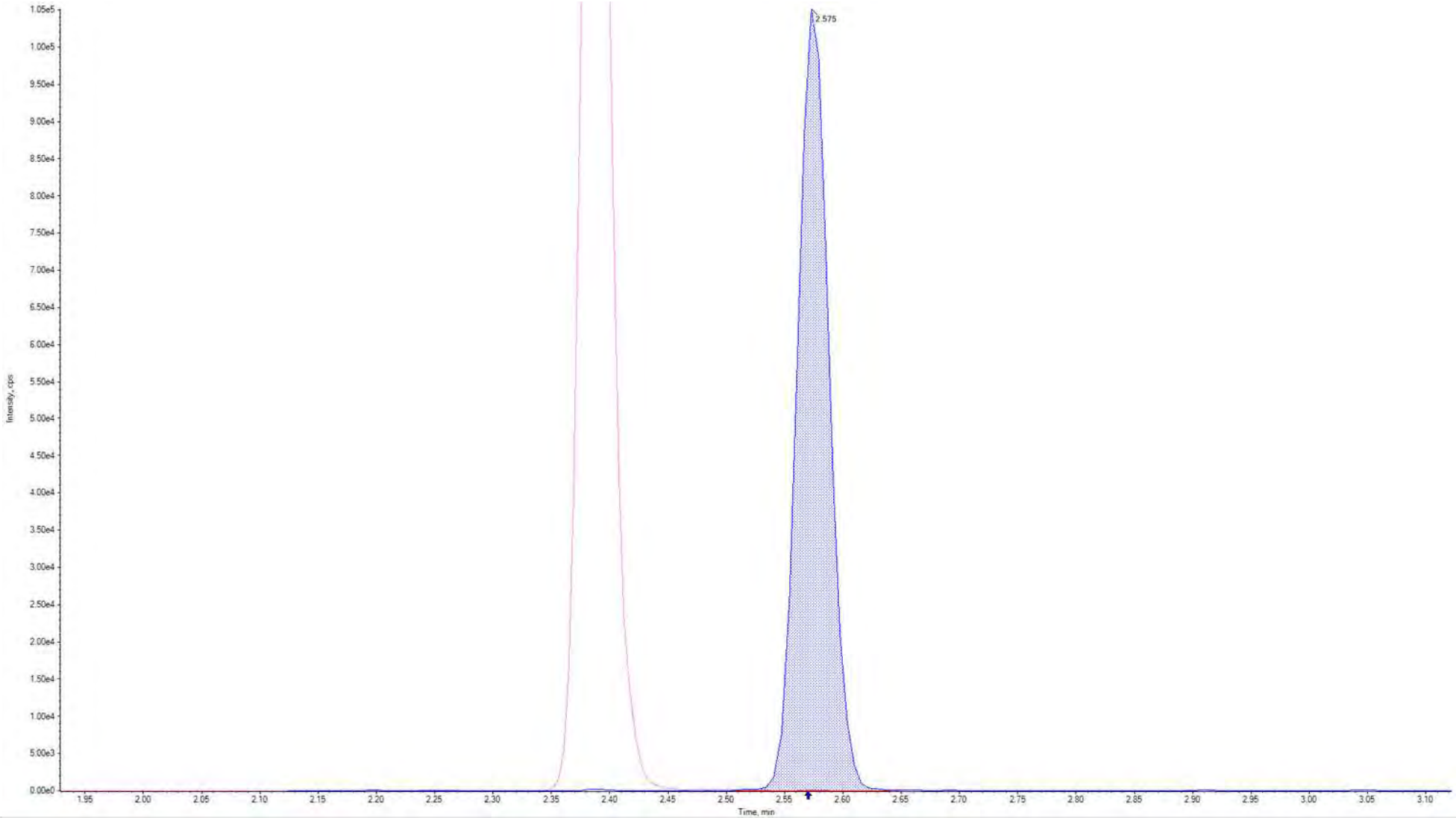
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

ADONA
Sample: WG2013165-1,1633LOW S/N:2107.6 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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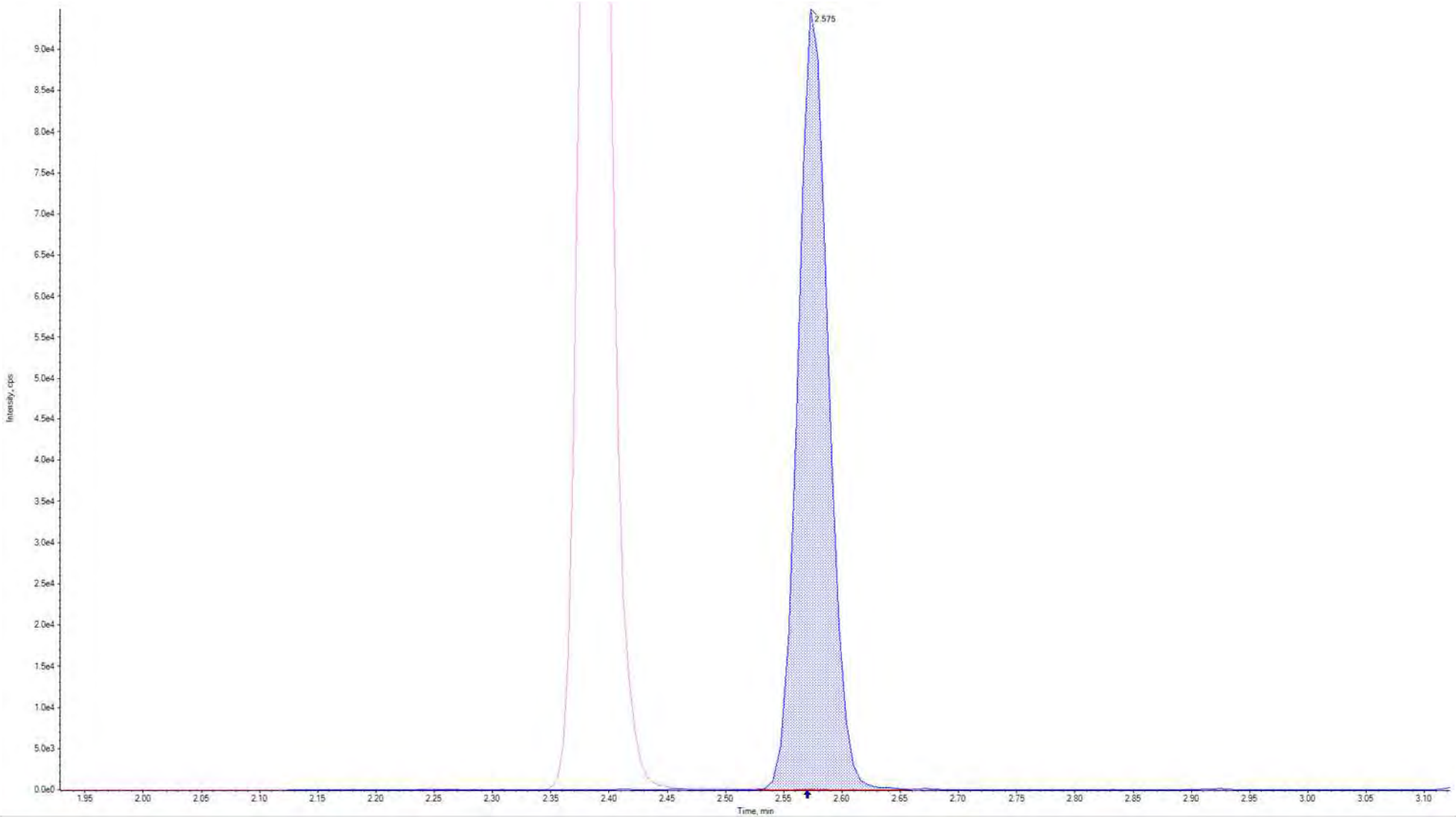
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

ADONA_2
Sample: WG2013165-1,1633LOW S/N:1902.6 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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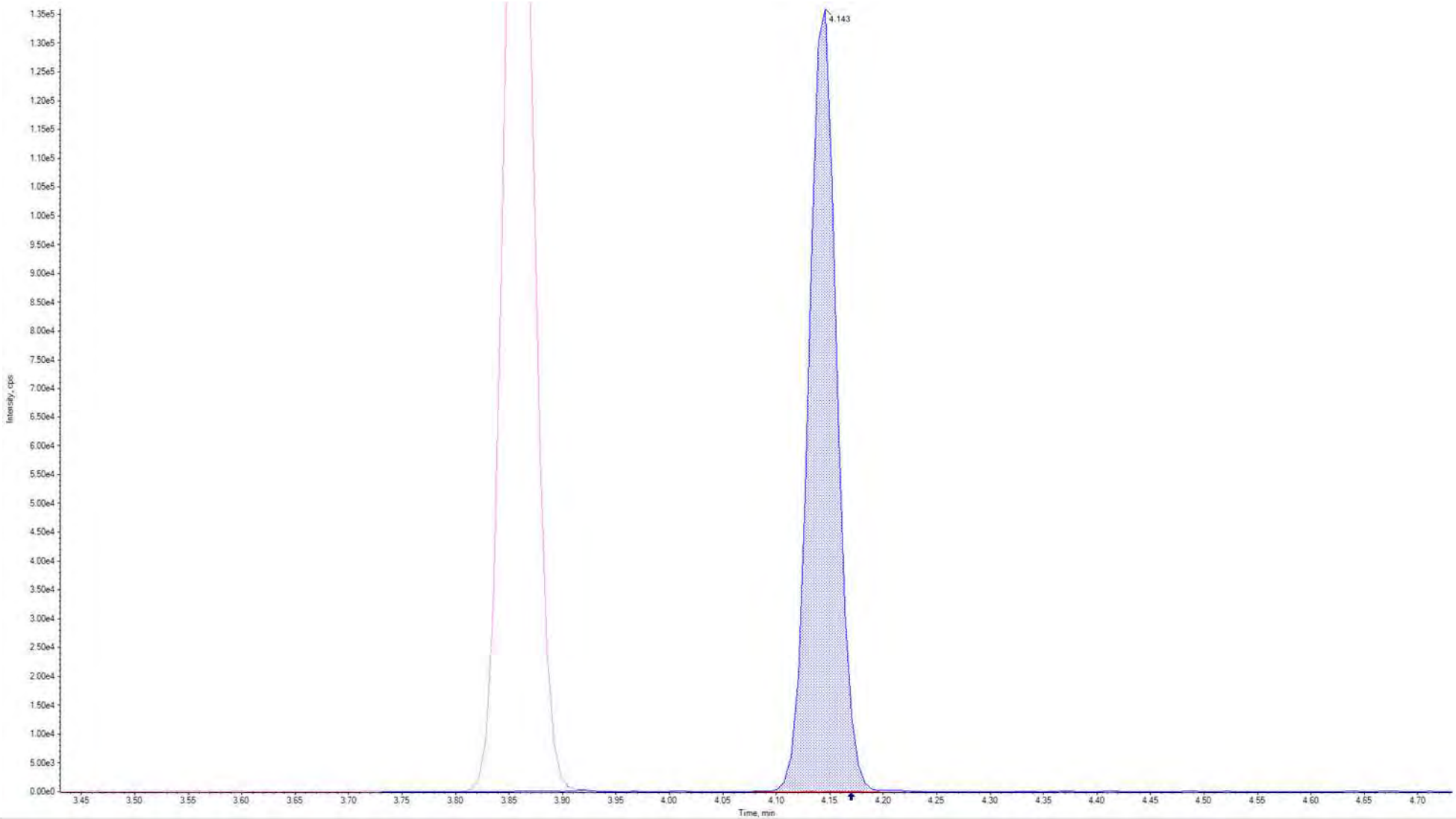
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

9Cl-PF3ONS
Sample: WG2013165-1,1633LOW S/N:3065.5 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/24/2024 12:27:37 PM
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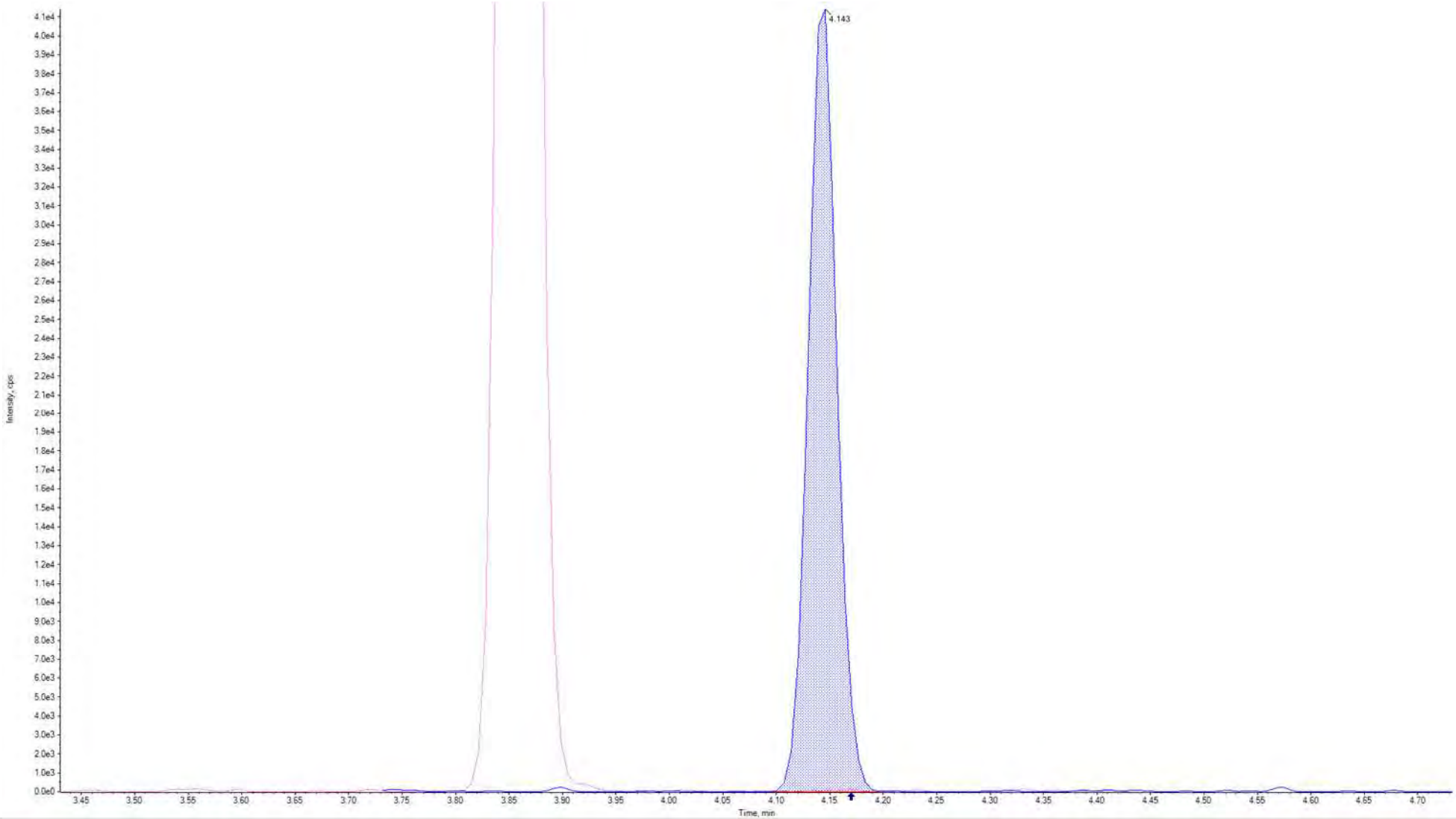
9Cl-PF3ONS_2
Sample: WG2013165-1,1633LOW S/N:934.2 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/24/2024 12:27:37 PM
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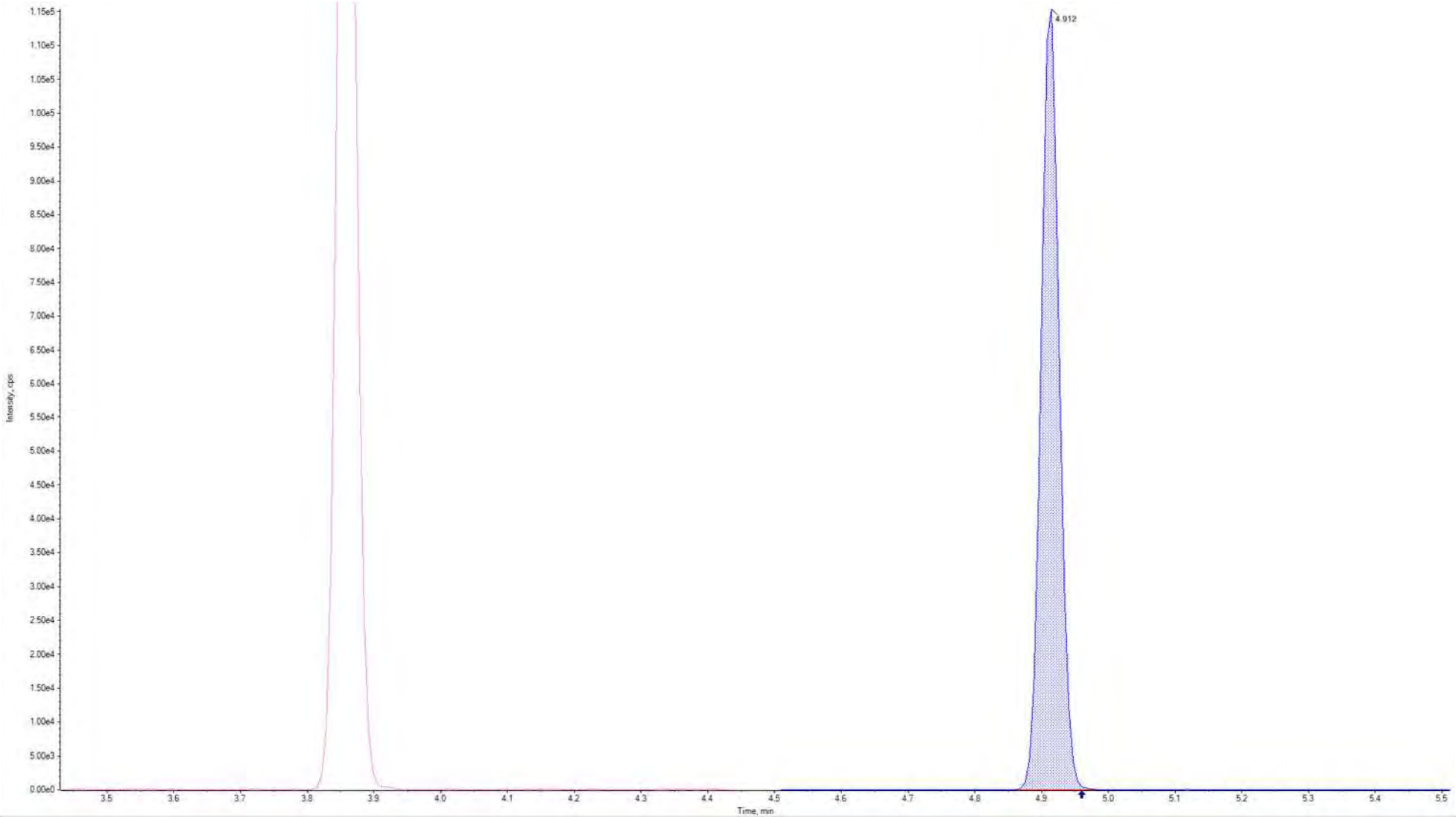
11Cl-PF3OUdS
Sample: WG2013165-1,1633LOW S/N:5495.1 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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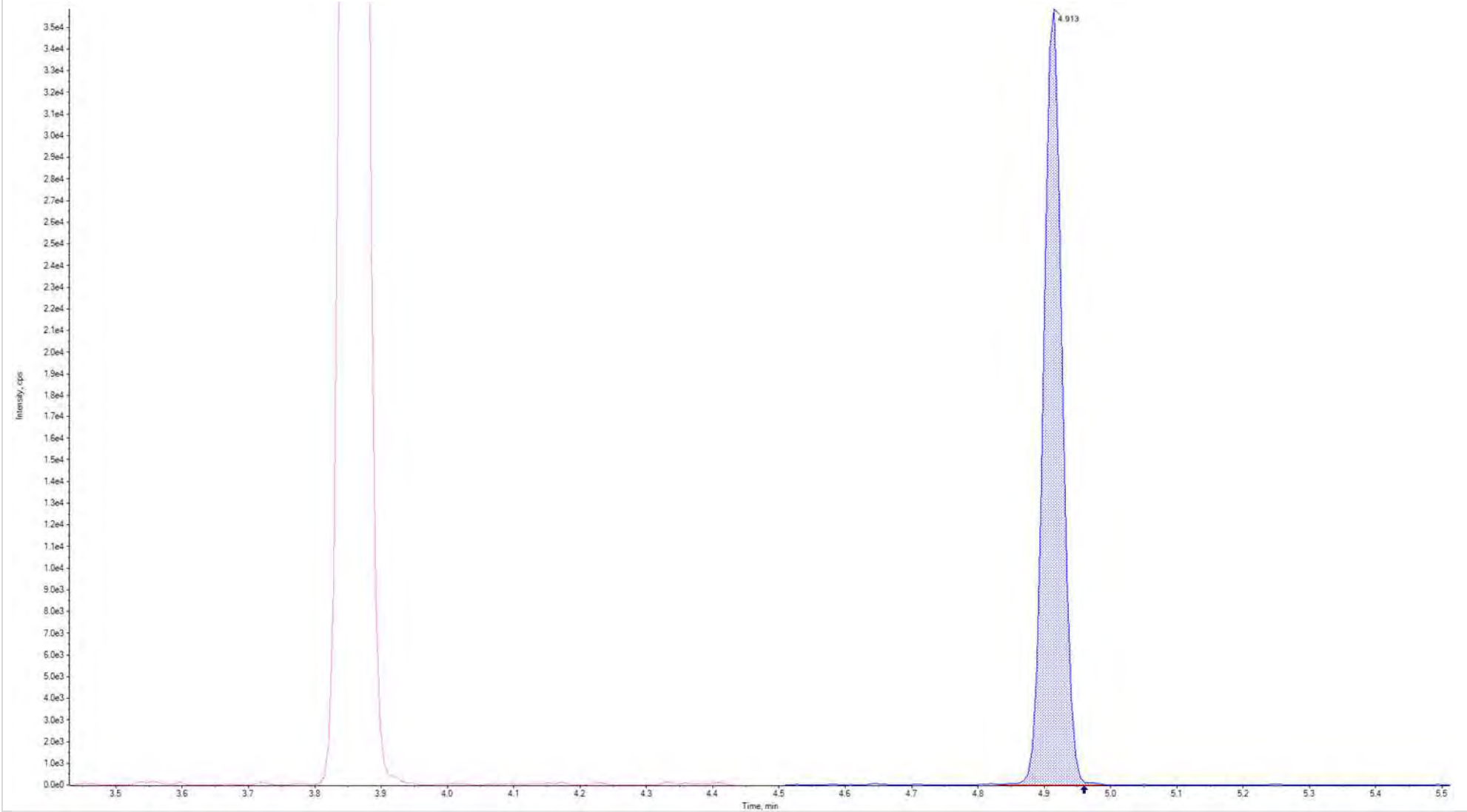
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

11Cl-PF3OUdS_2
Sample: WG2013165-1,1633LOW S/N:1707.2 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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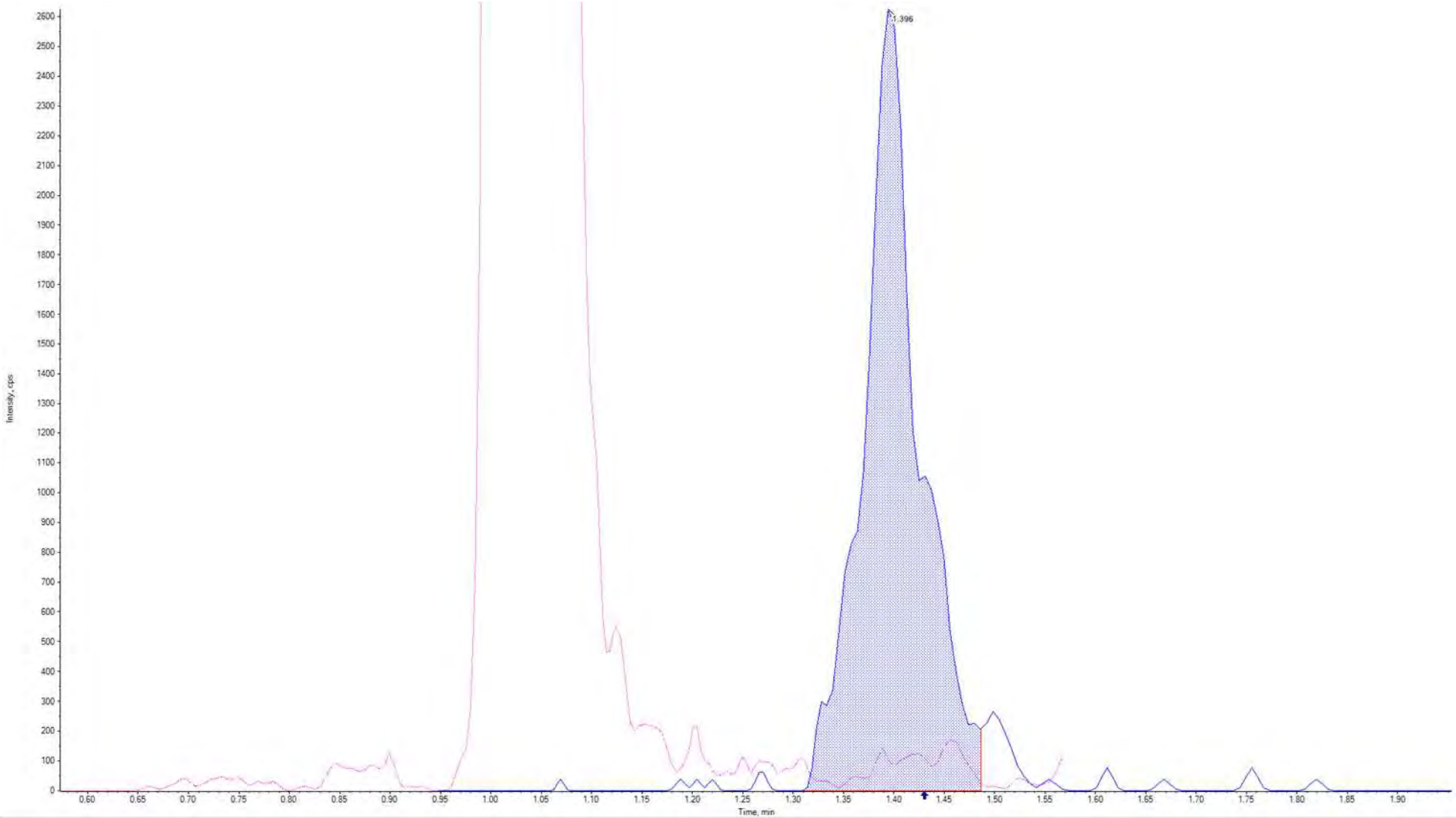
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

3:3FTCA
Sample: WG2013165-1,1633LOW S/N:65.8 Points Across peak:34



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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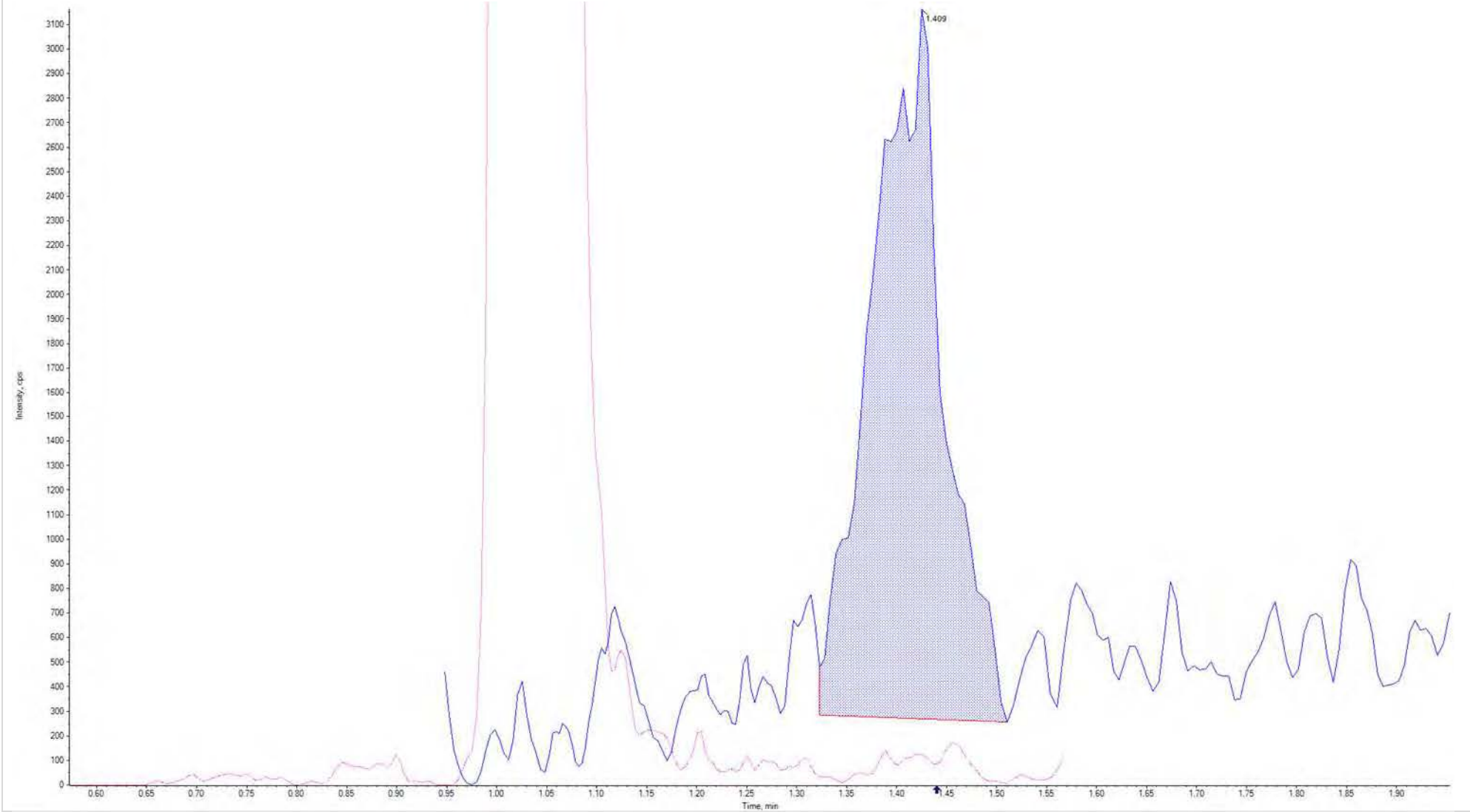
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

3:3FTCA_2
Sample: WG2013165-1,1633LOW S/N:72.5 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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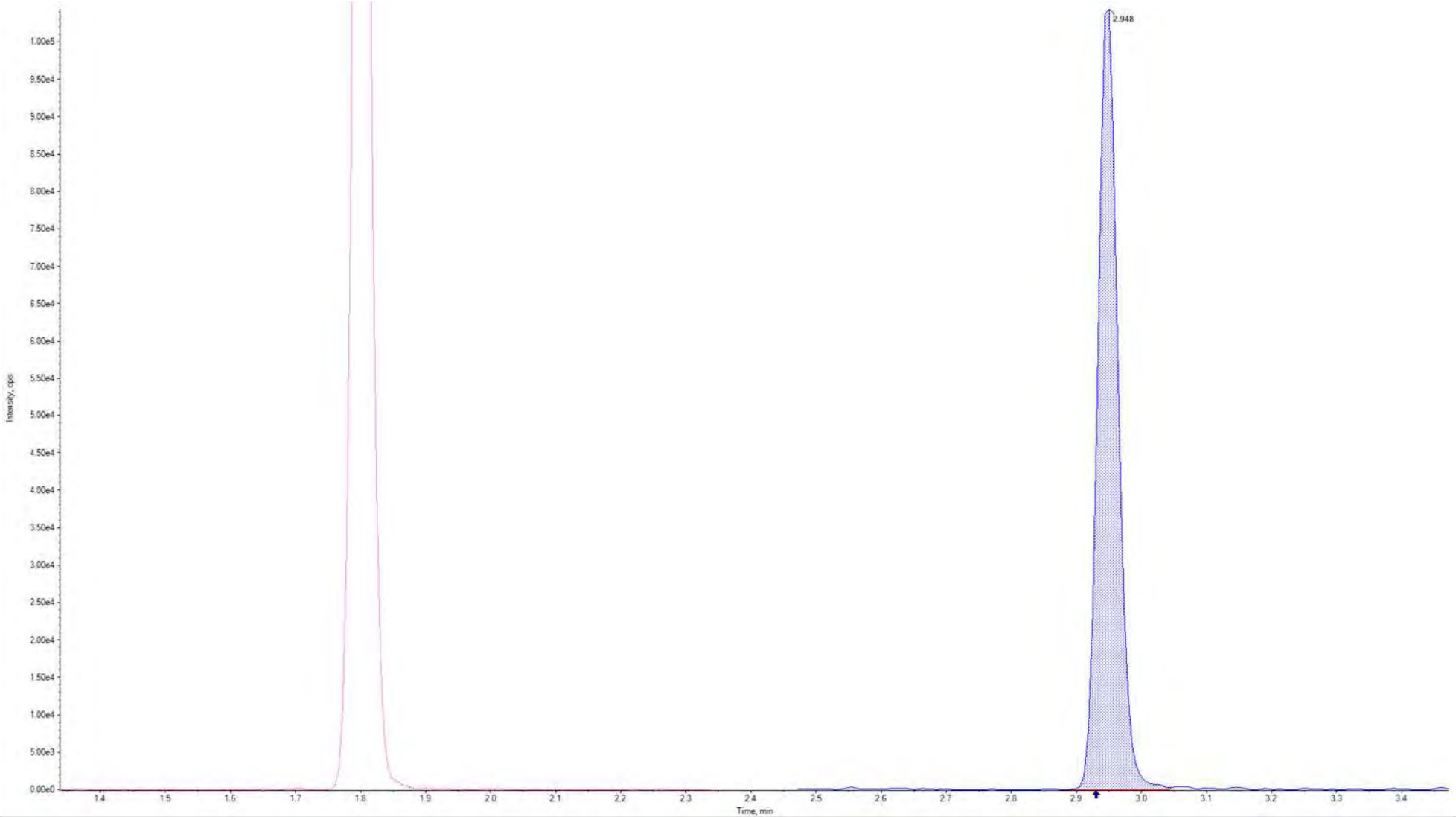
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

5:3FTCA
Sample: WG2013165-1,1633LOW S/N:2354.2 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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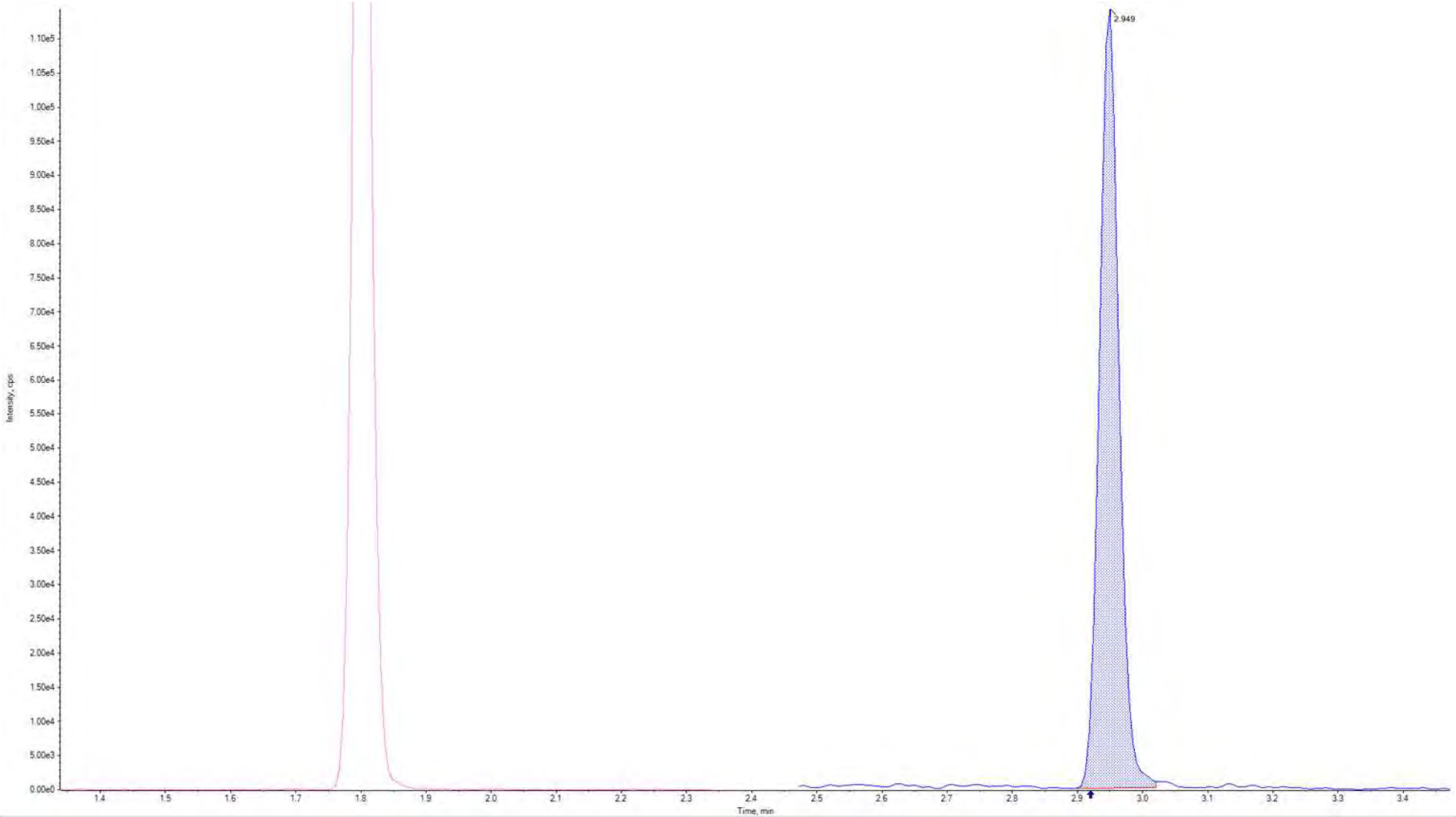
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

5:3FTCA_2
Sample: WG2013165-1,1633LOW S/N:2573.7 Points Across peak:21



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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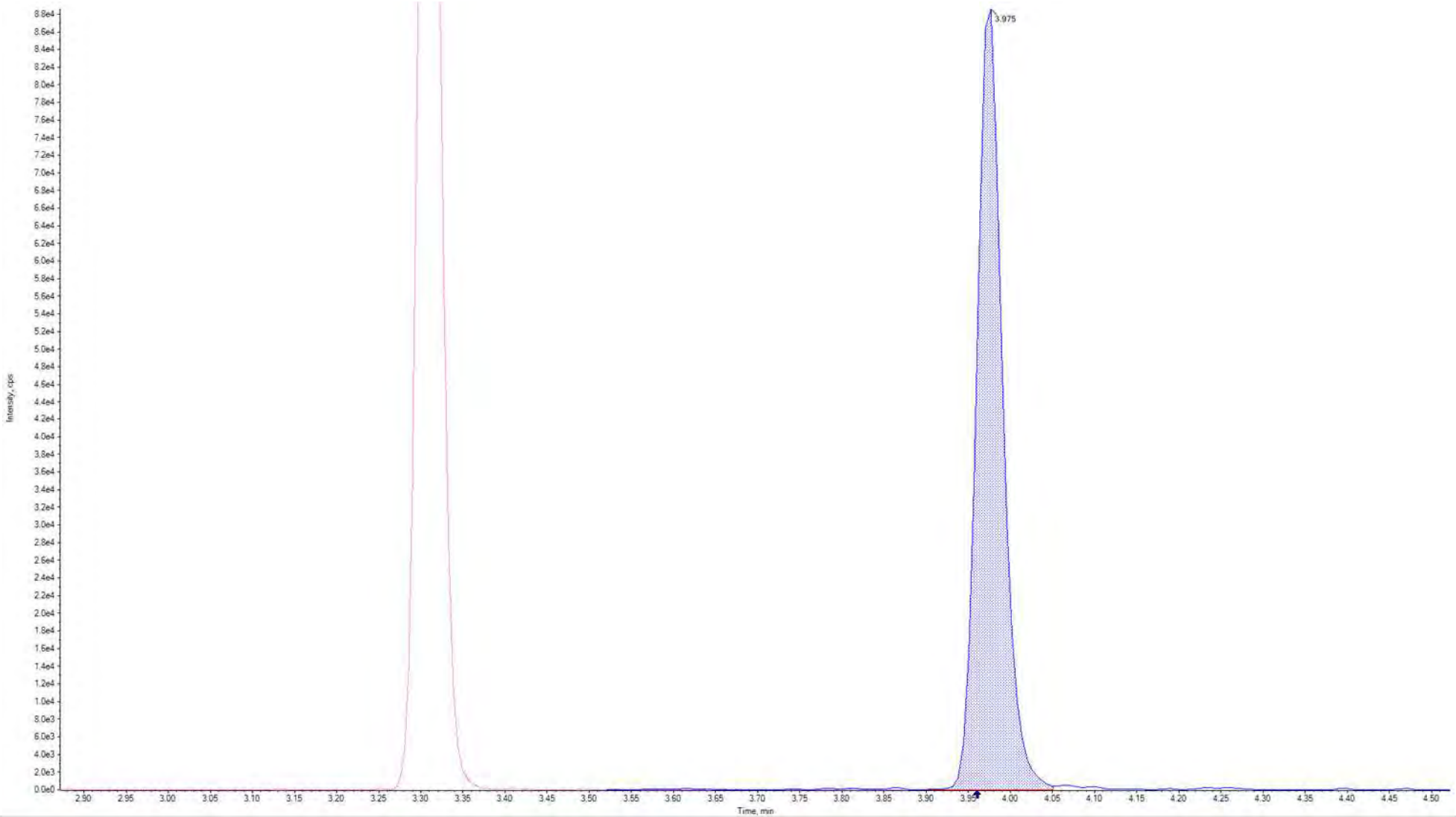
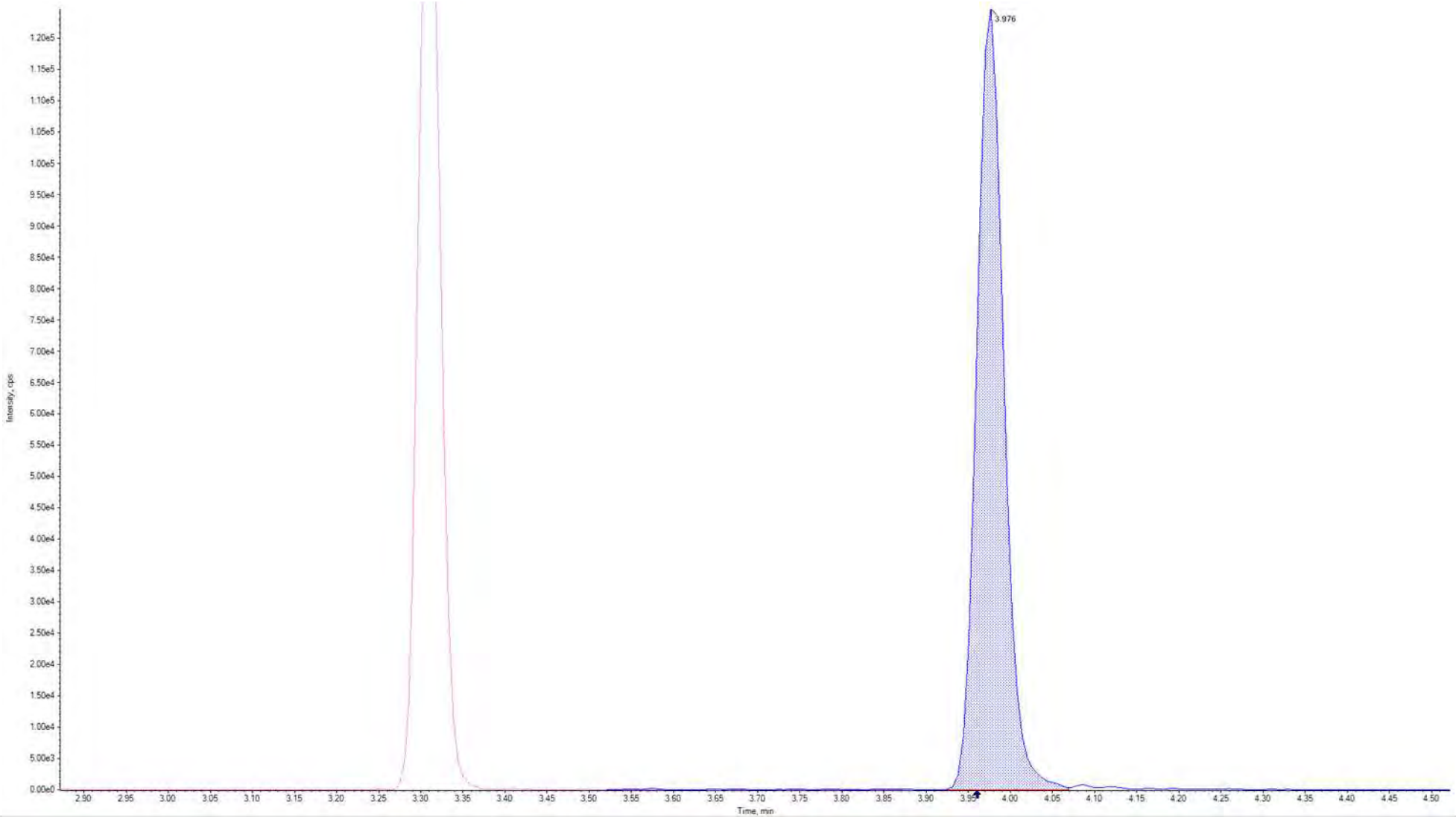
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

7:3FTCA
Sample: WG2013165-1,1633LOW S/N:1559.0 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_16.wiff2_1
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

7:3FTCA_2
Sample: WG2013165-1,1633LOW S/N:3436.6 Points Across peak:25



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Alpha Analytical LLC
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Last Altered: 12/24/2024 12:27:37 PM
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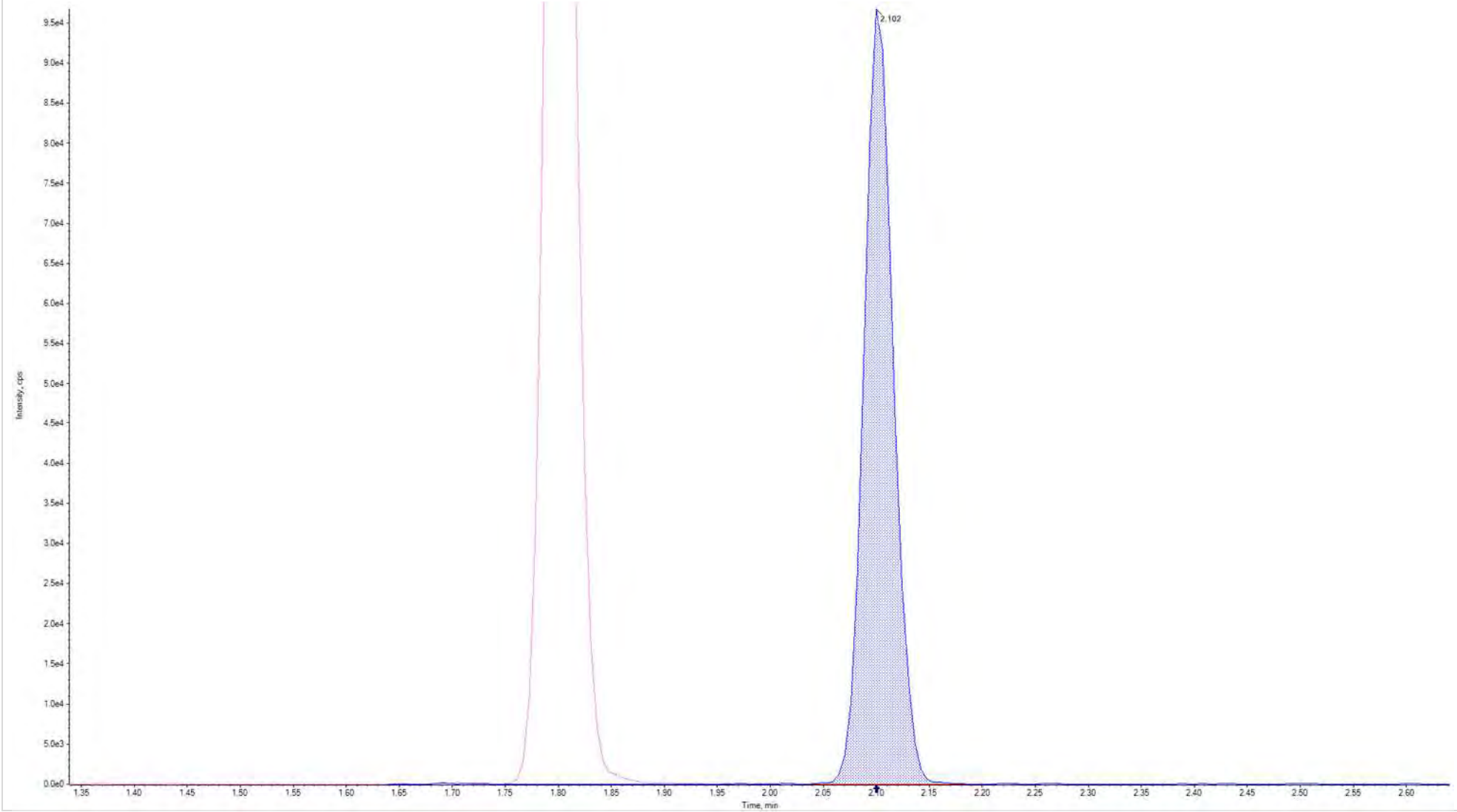
PFEESA
Sample: WG2013165-1,1633LOW S/N:2182.1 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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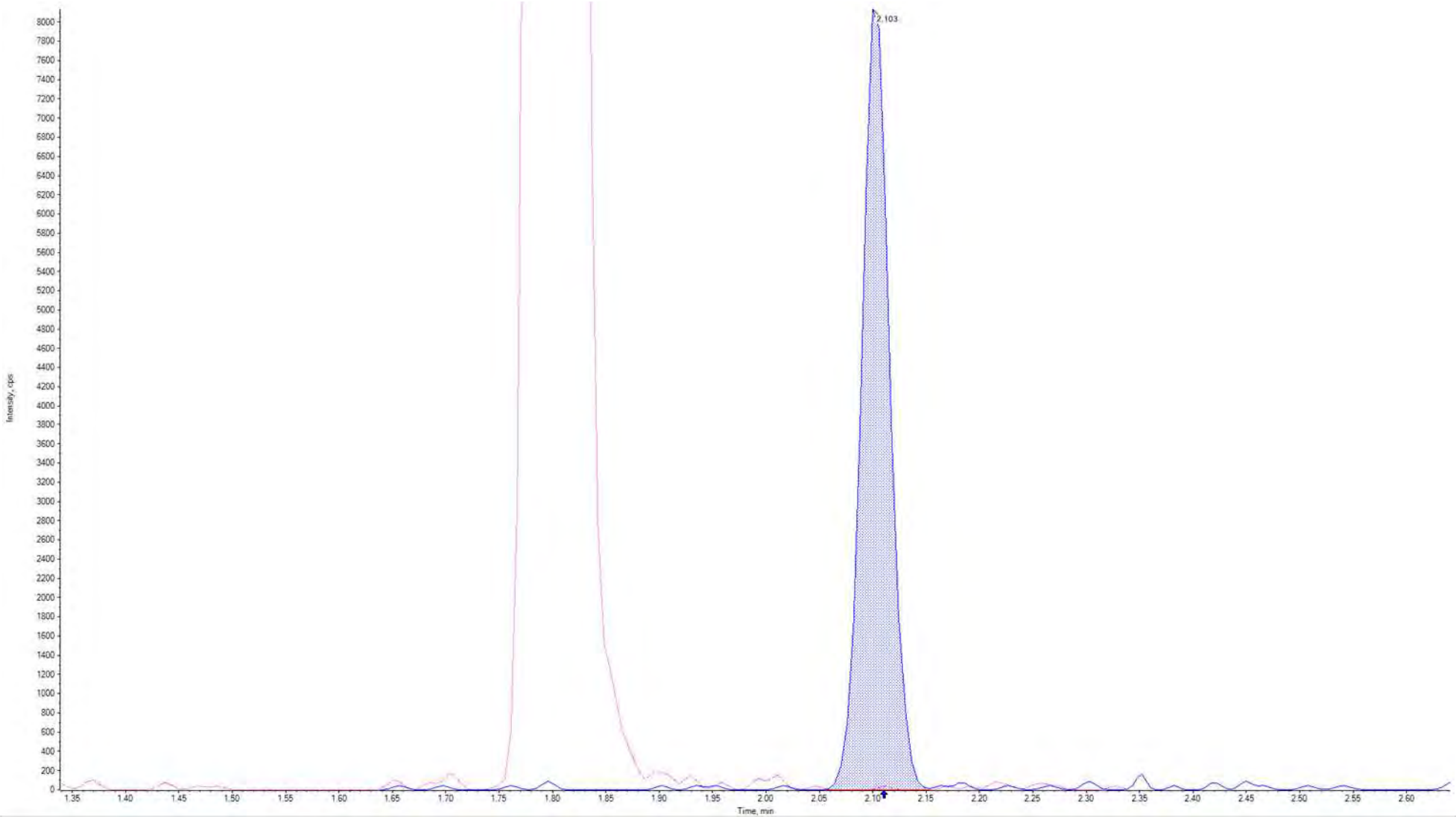
PFEESA_2
Sample: WG2013165-1,1633LOW S/N:183.5 Points Across peak:19



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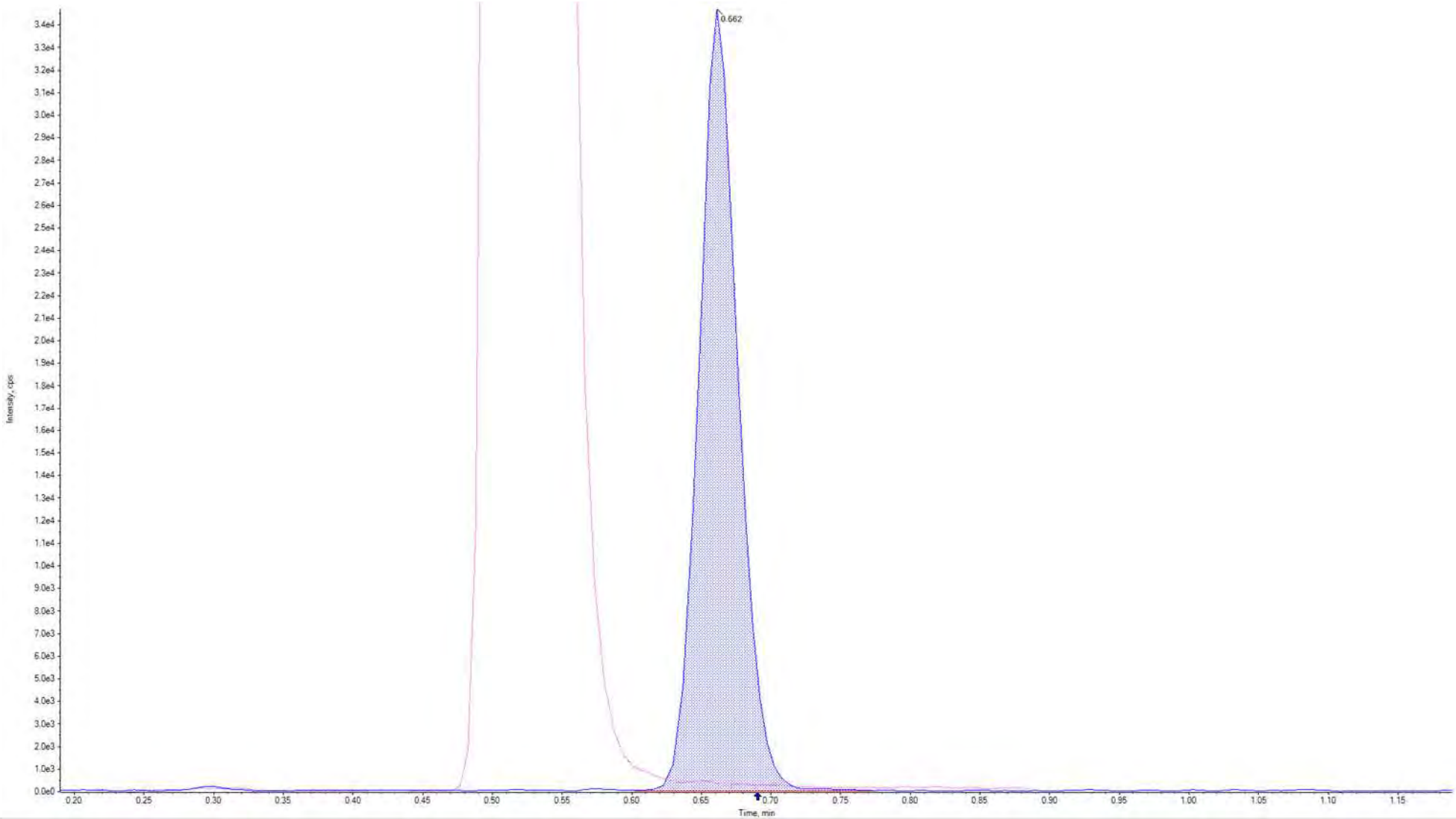
PFMPA
Sample: WG2013165-1,1633LOW S/N:2091.7 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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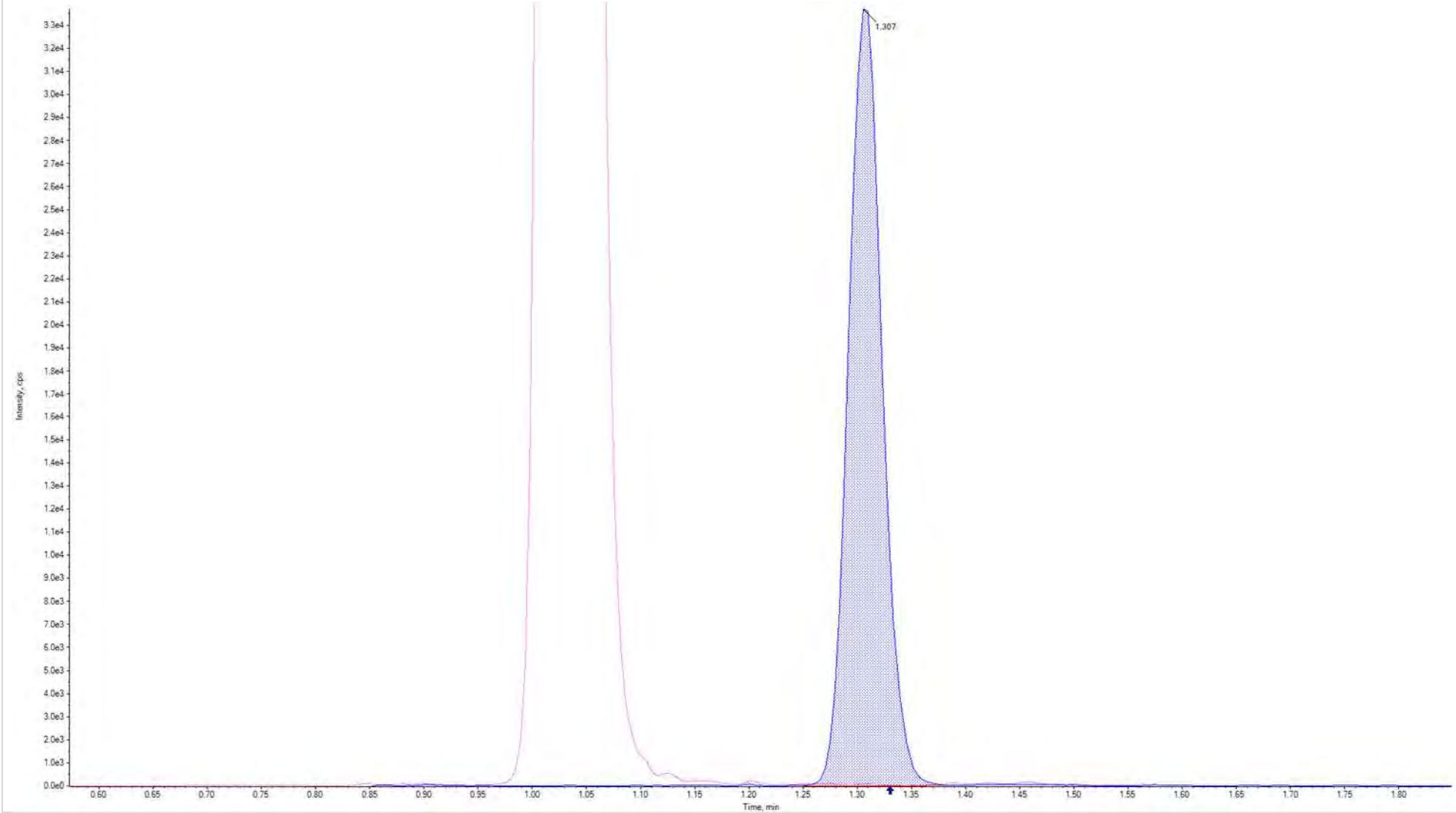
PFMBA
Sample: WG2013165-1,1633LOW S/N:1942.3 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/24/2024 12:27:37 PM
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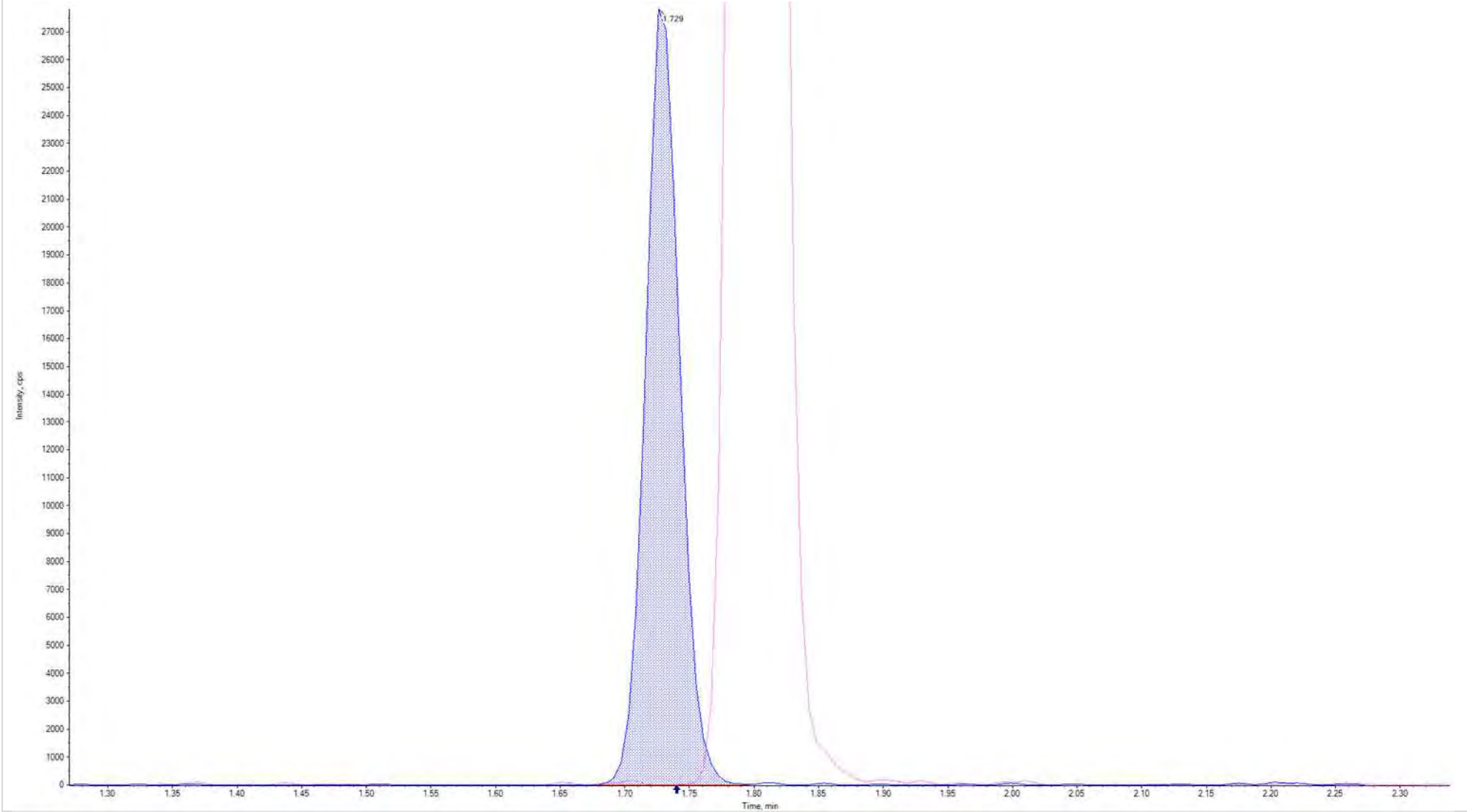
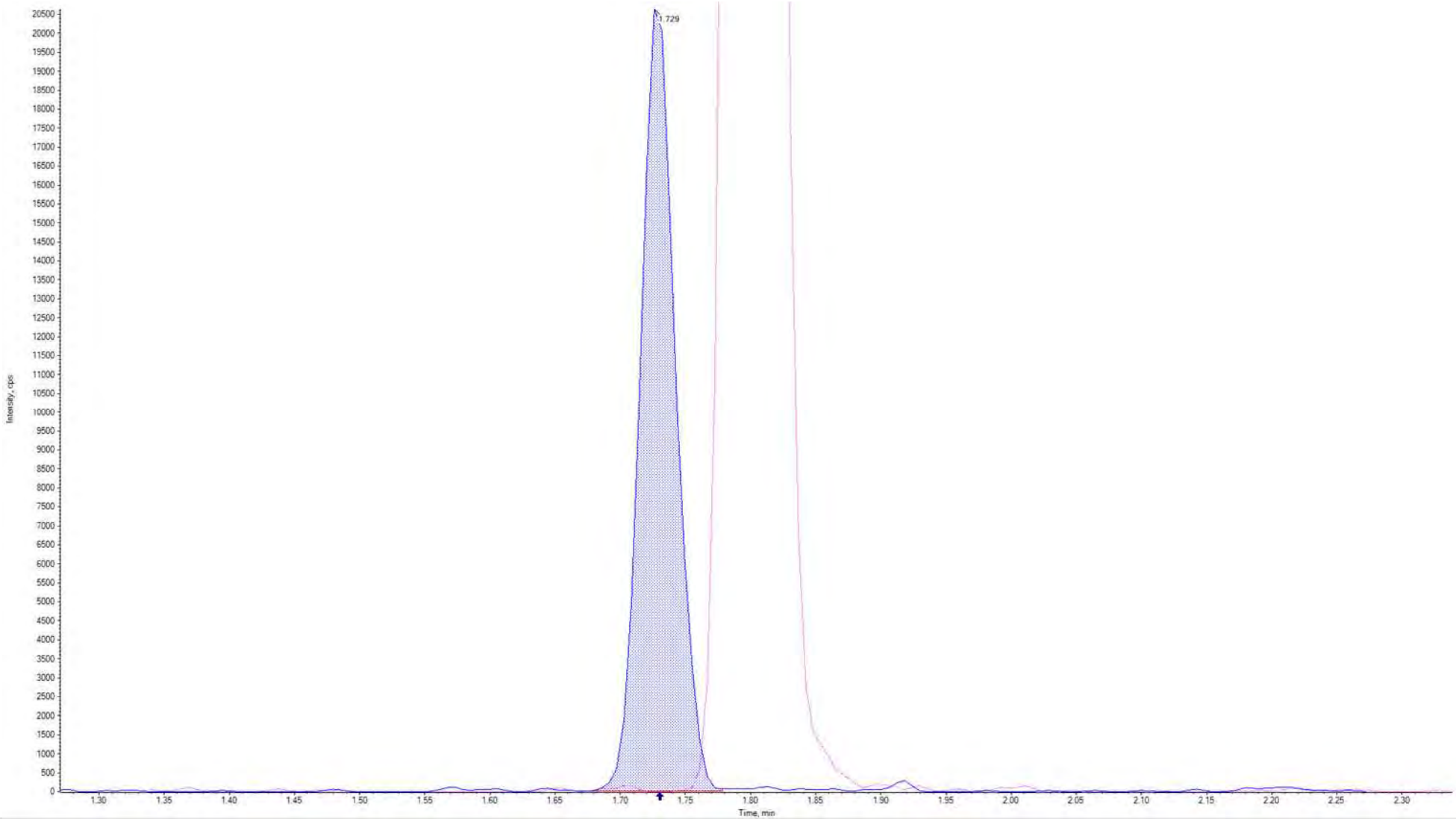
NFDHA
Sample: WG2013165-1,1633LOW S/N:767.0 Points Across peak:23



NFDHA_2
Sample: WG2013165-1,1633LOW S/N:568.8 Points Across peak:19



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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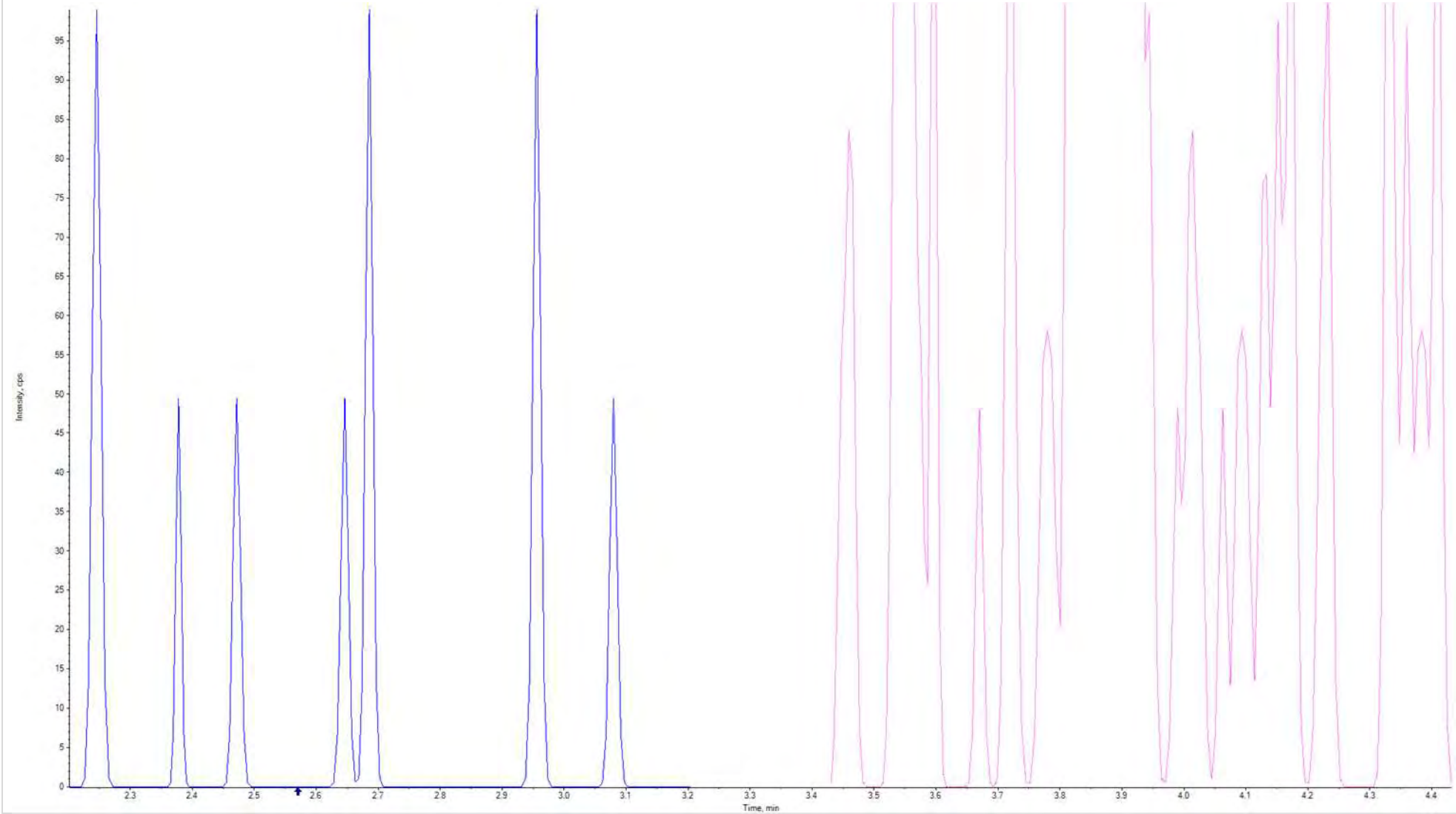
TDCA
Sample: WG2013165-1,1633LOW S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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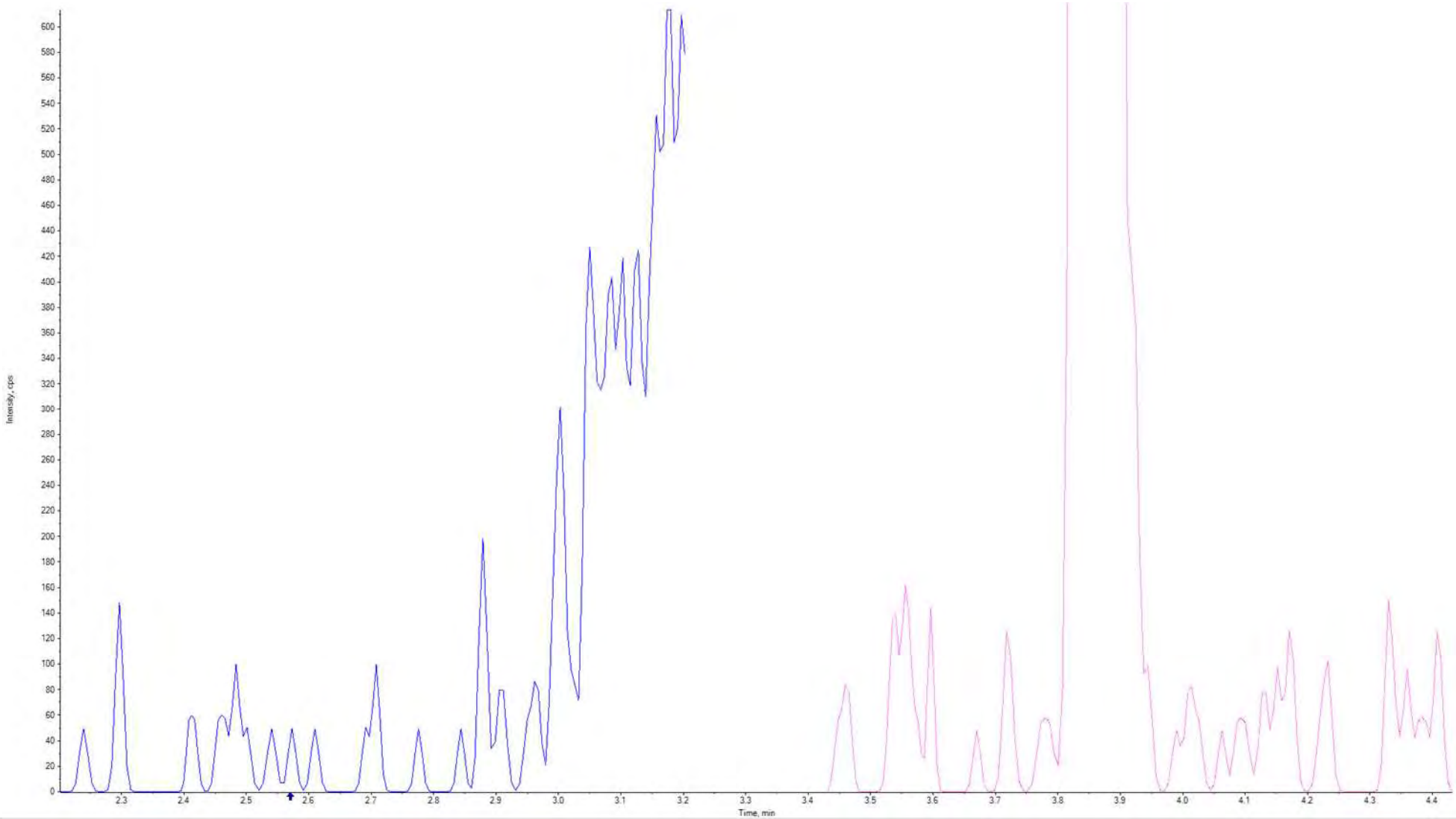
TDCA_2
Sample: WG2013165-1,1633LOW S/N:N/A Points Across peak:N/A



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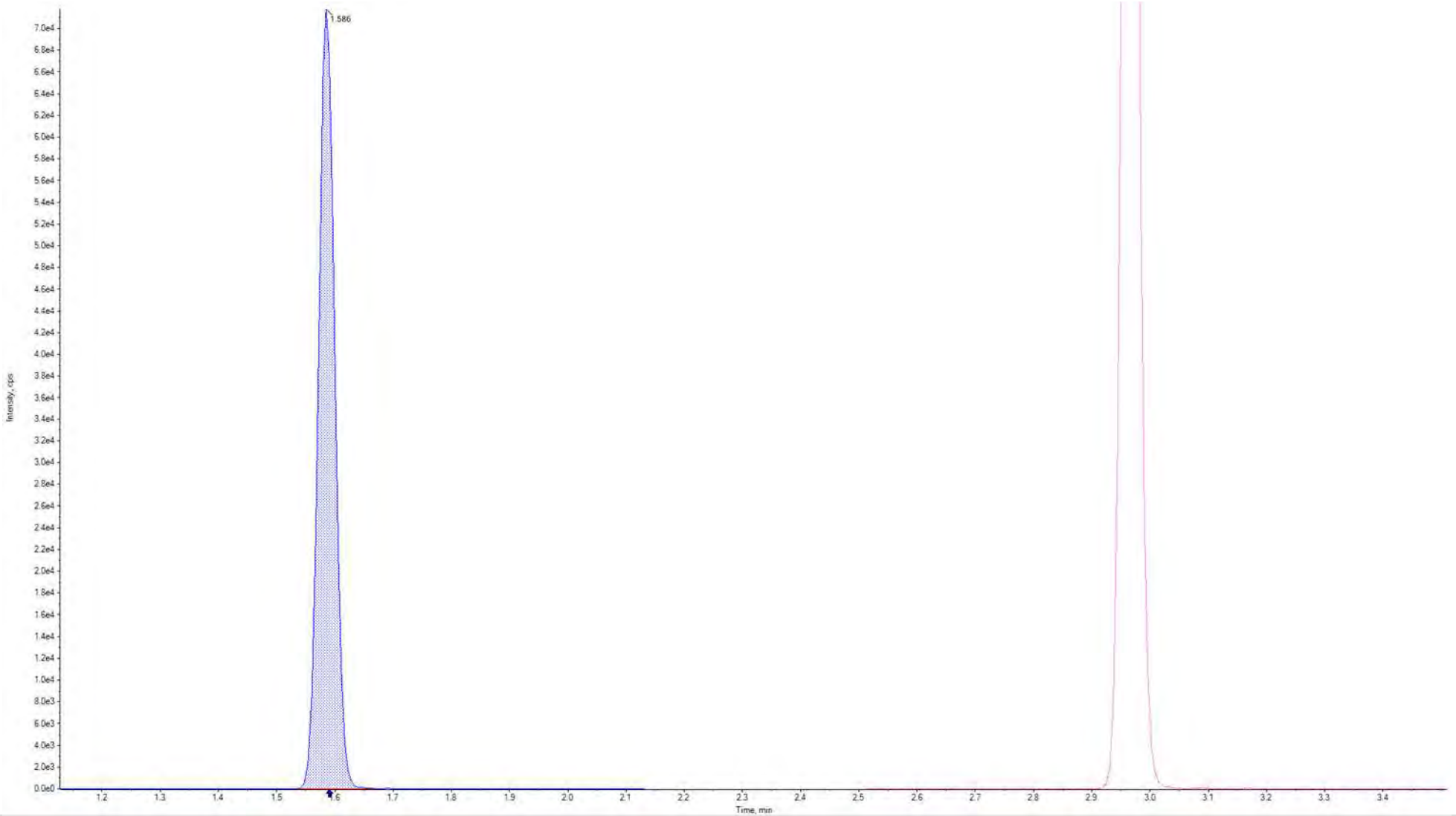
13C2D4-4:2FTS
Sample: WG2013165-1,1633LOW S/N:2698.8 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/24/2024 12:27:37 PM
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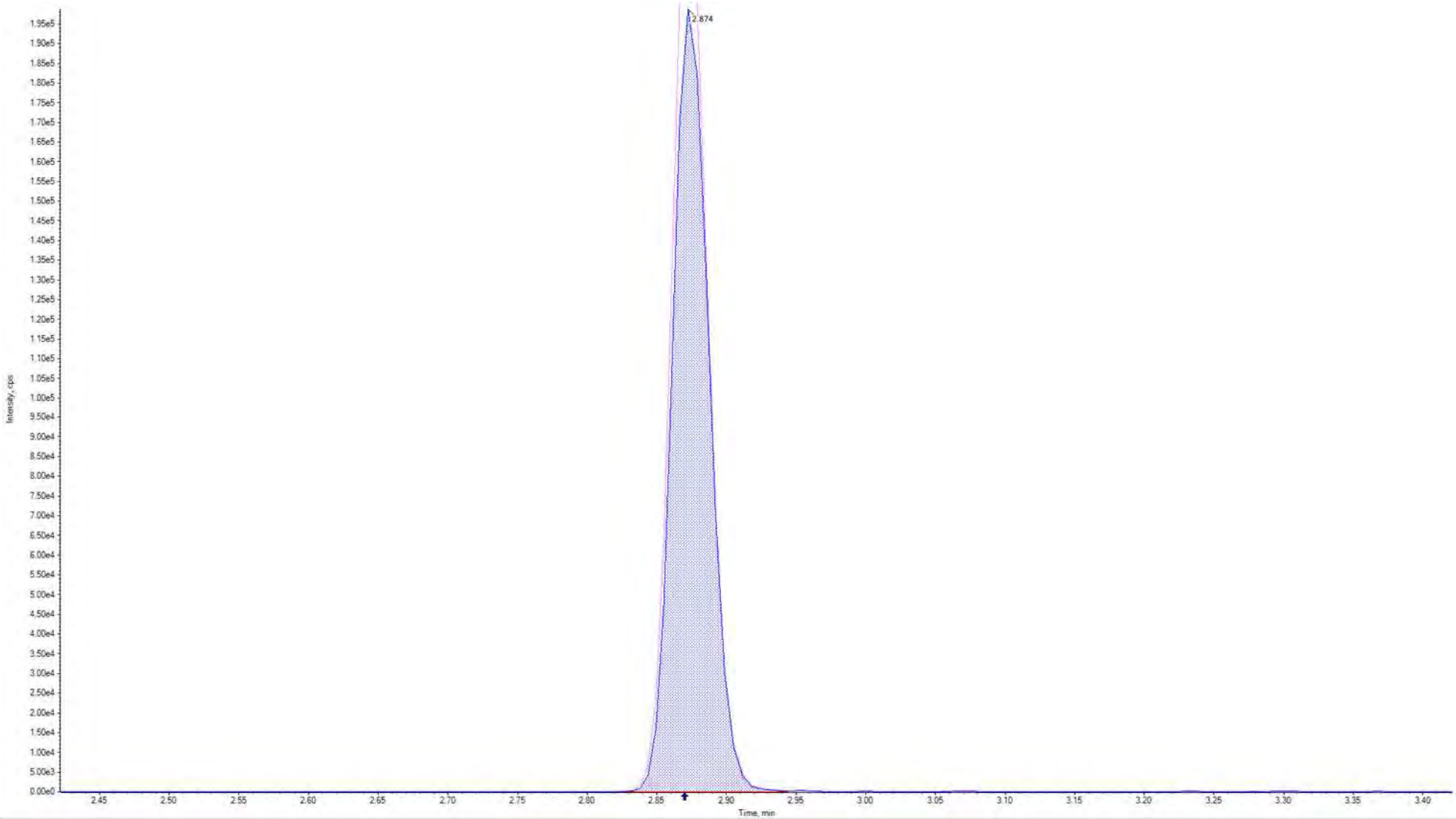
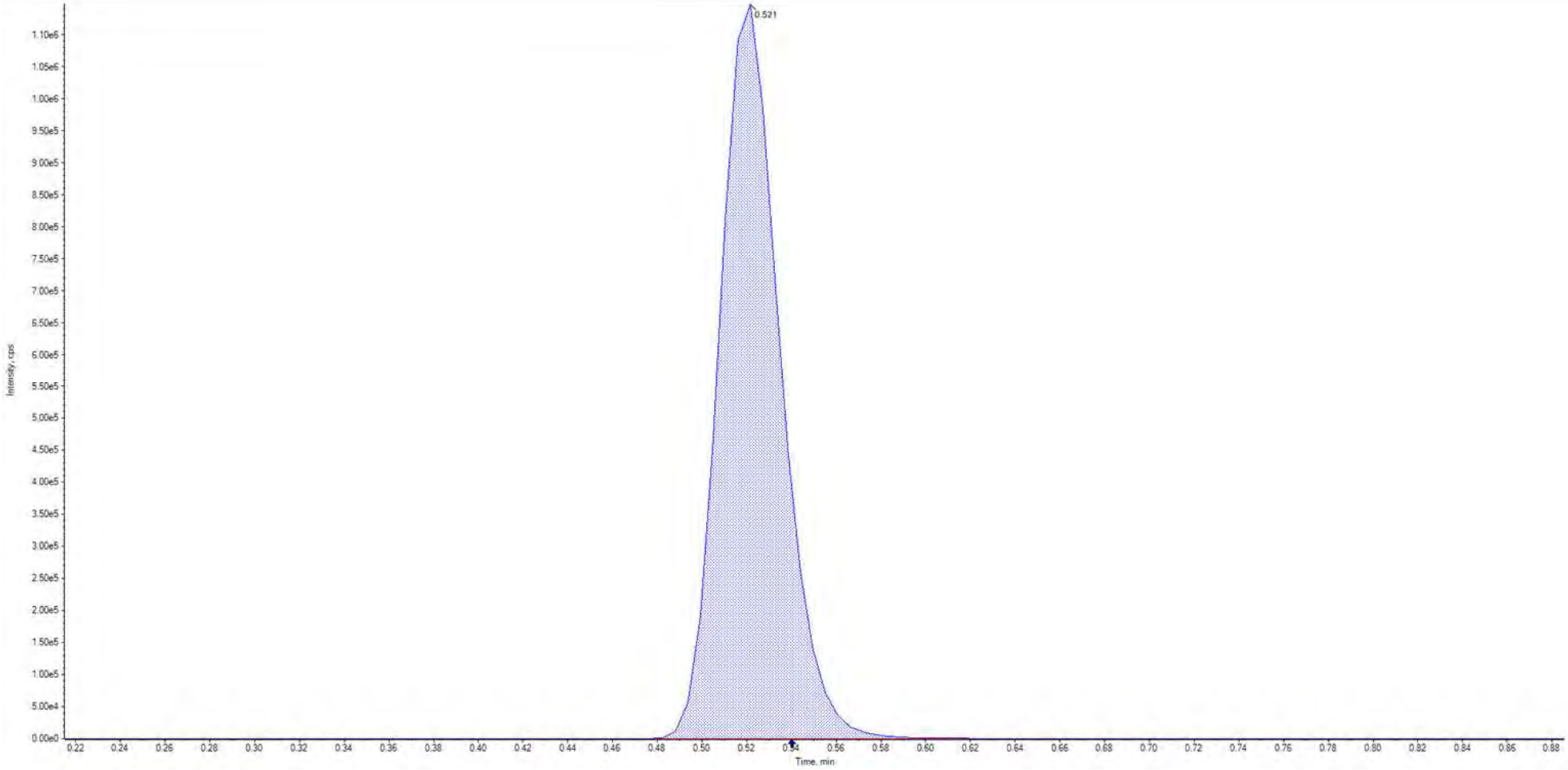
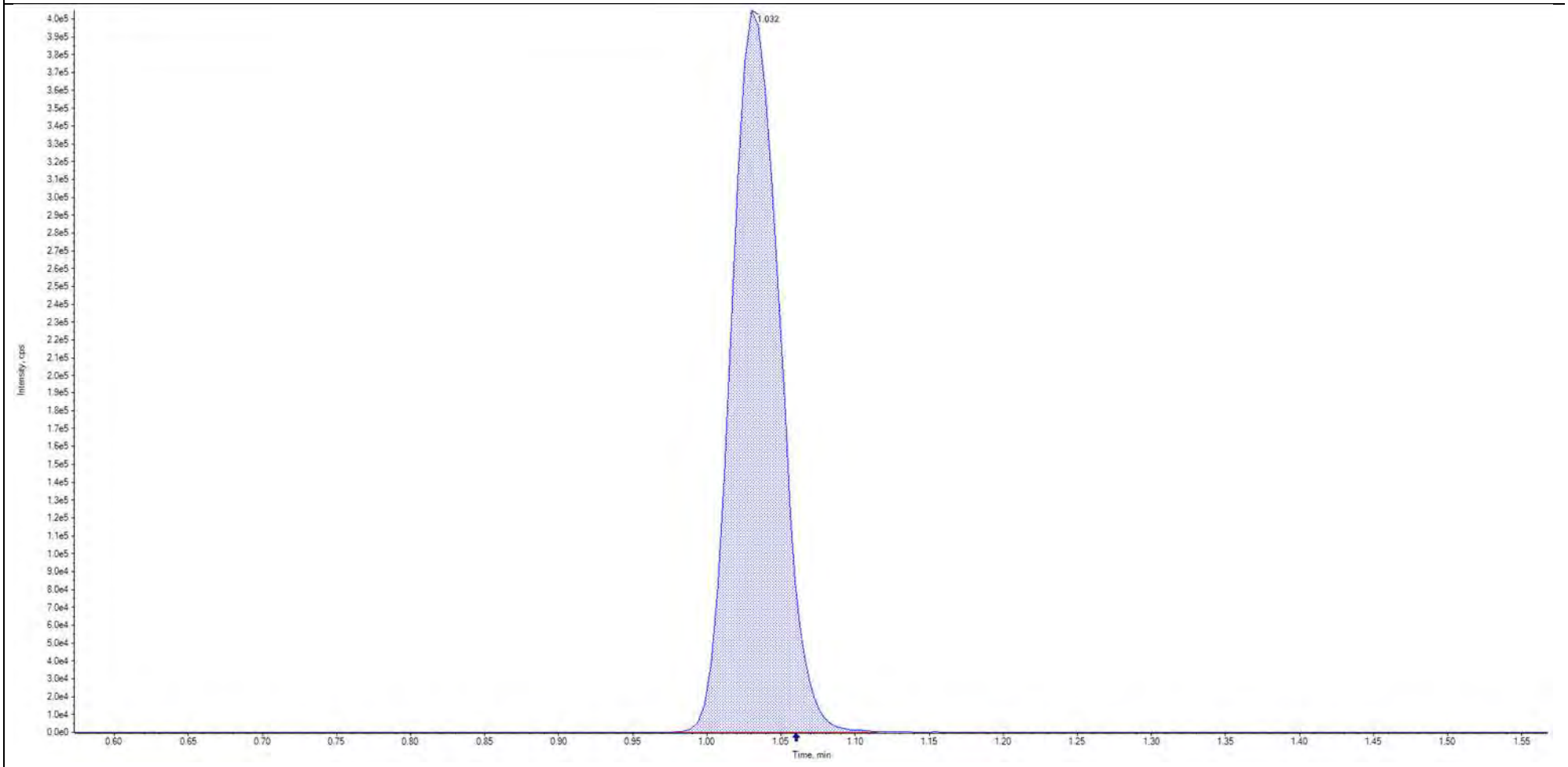
13C2-PFOA
Sample: WG2013165-1,1633LOW S/N:4483.9 Points Across peak:28



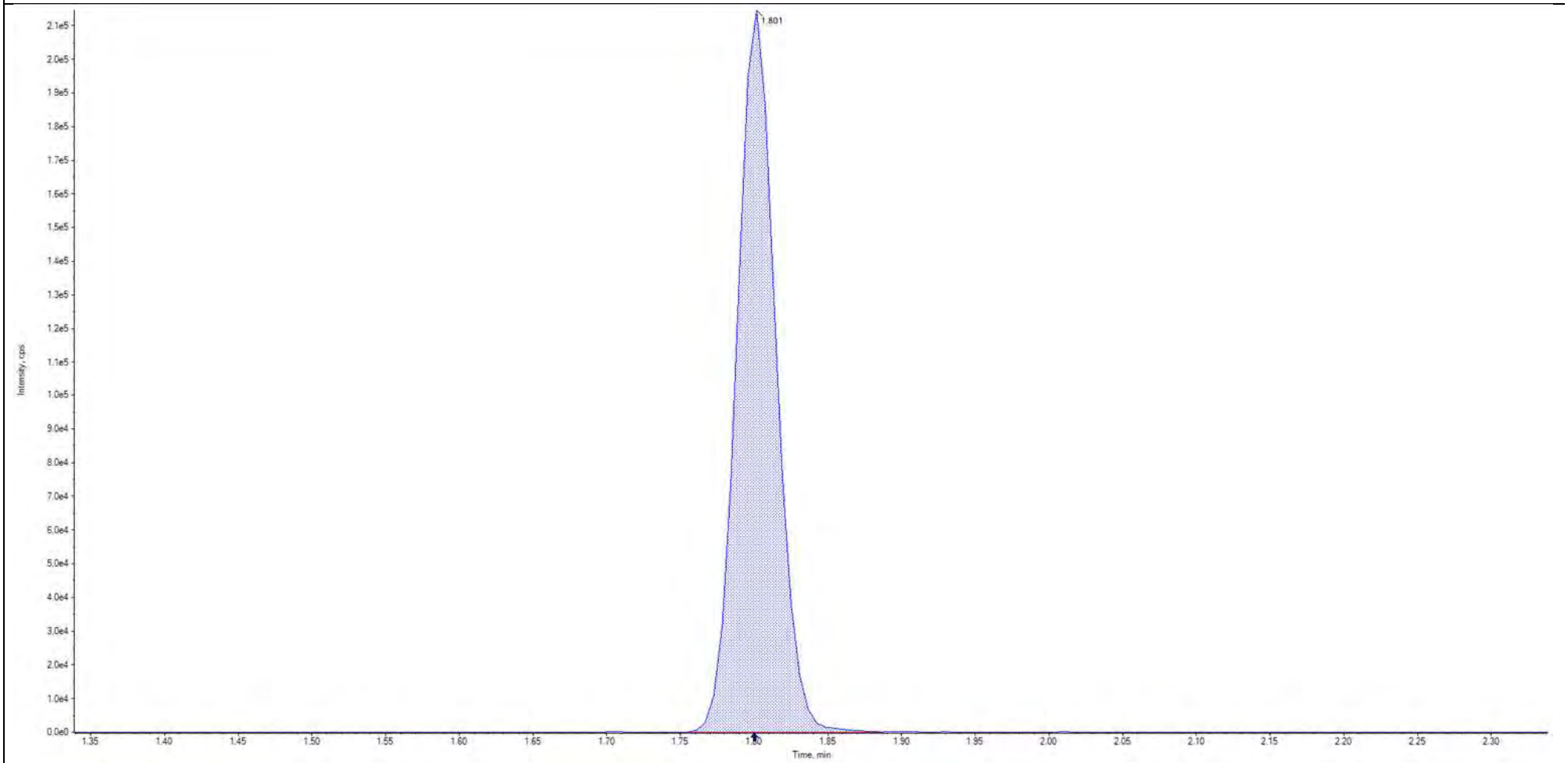
13C4-PFBA
Sample: WG2013165-1,1633LOW



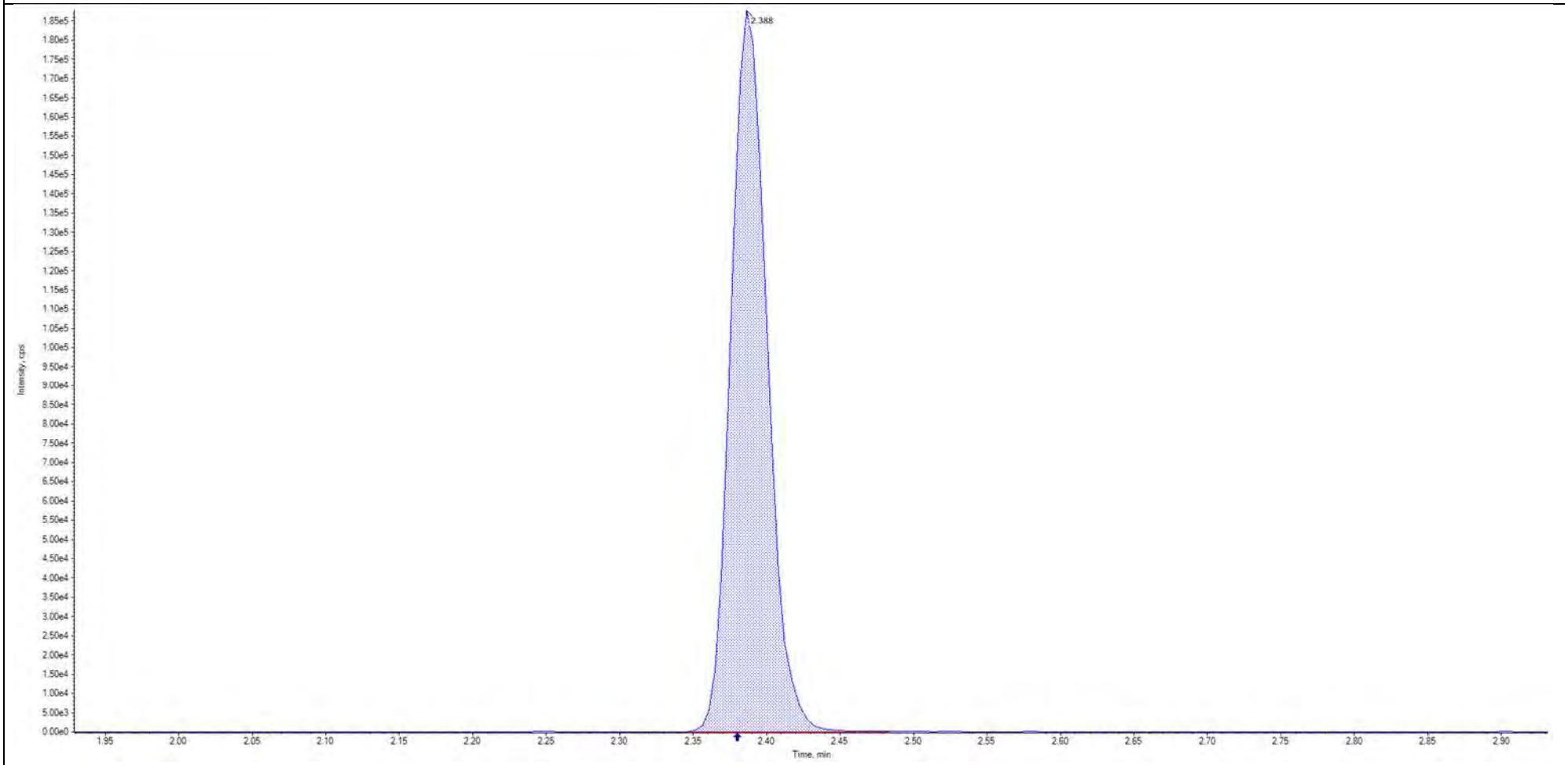
13C5-PFPeA
Sample: WG2013165-1,1633LOW



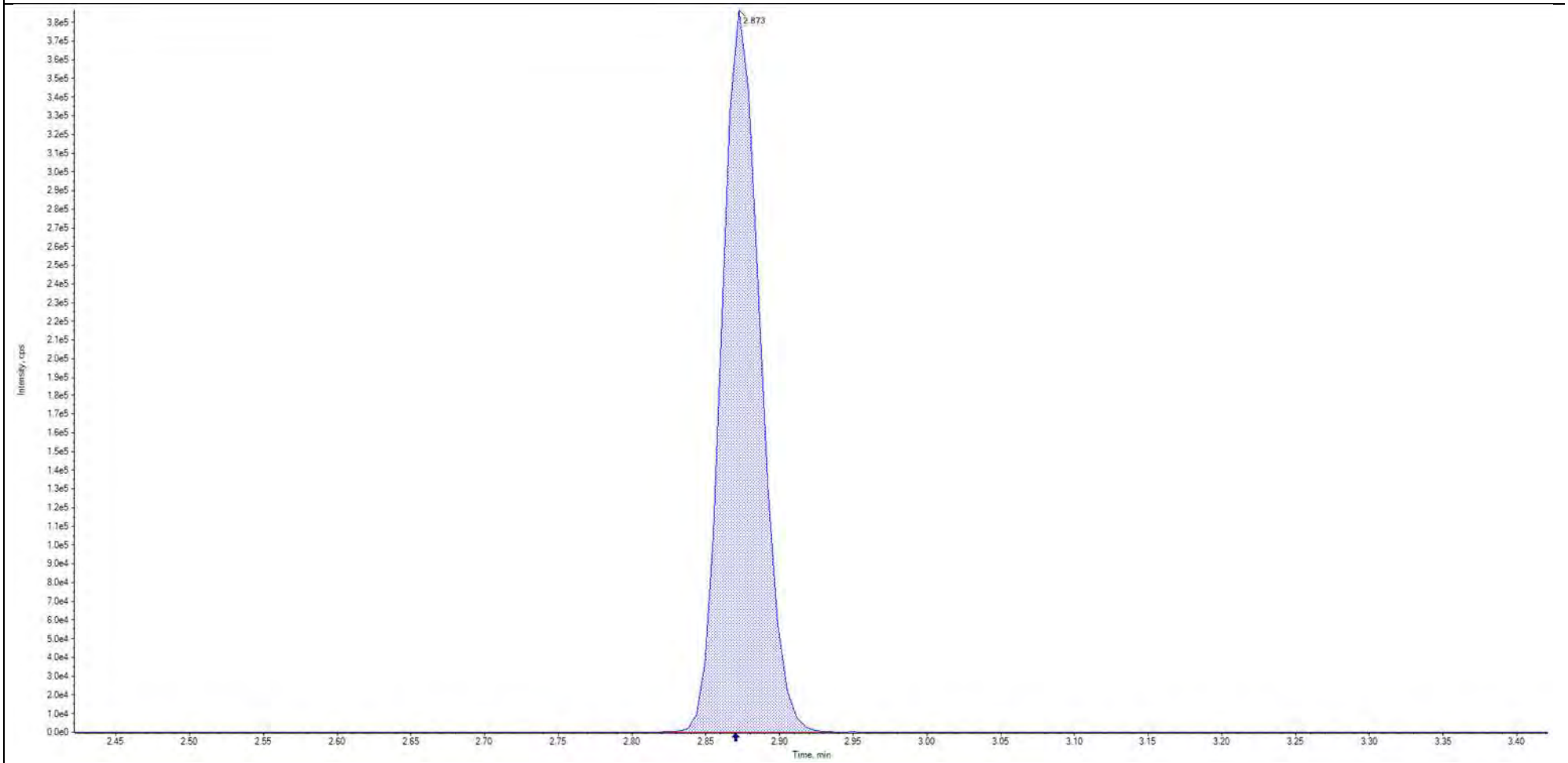
13C5-PFHxA
Sample: WG2013165-1,1633LOW



13C4-PFHpA
Sample: WG2013165-1,1633LOW



13C8-PFOA
Sample: WG2013165-1,1633LOW



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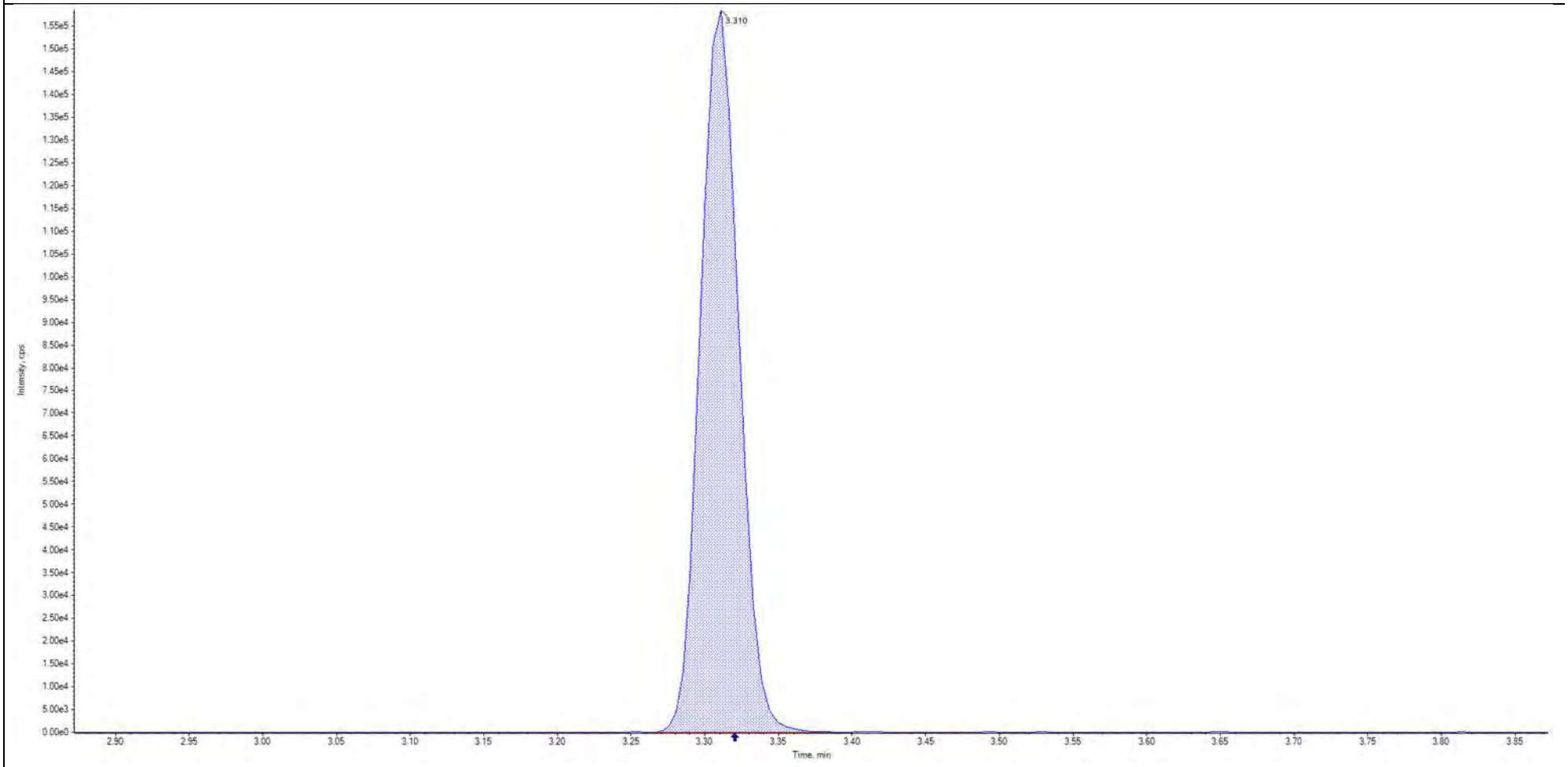
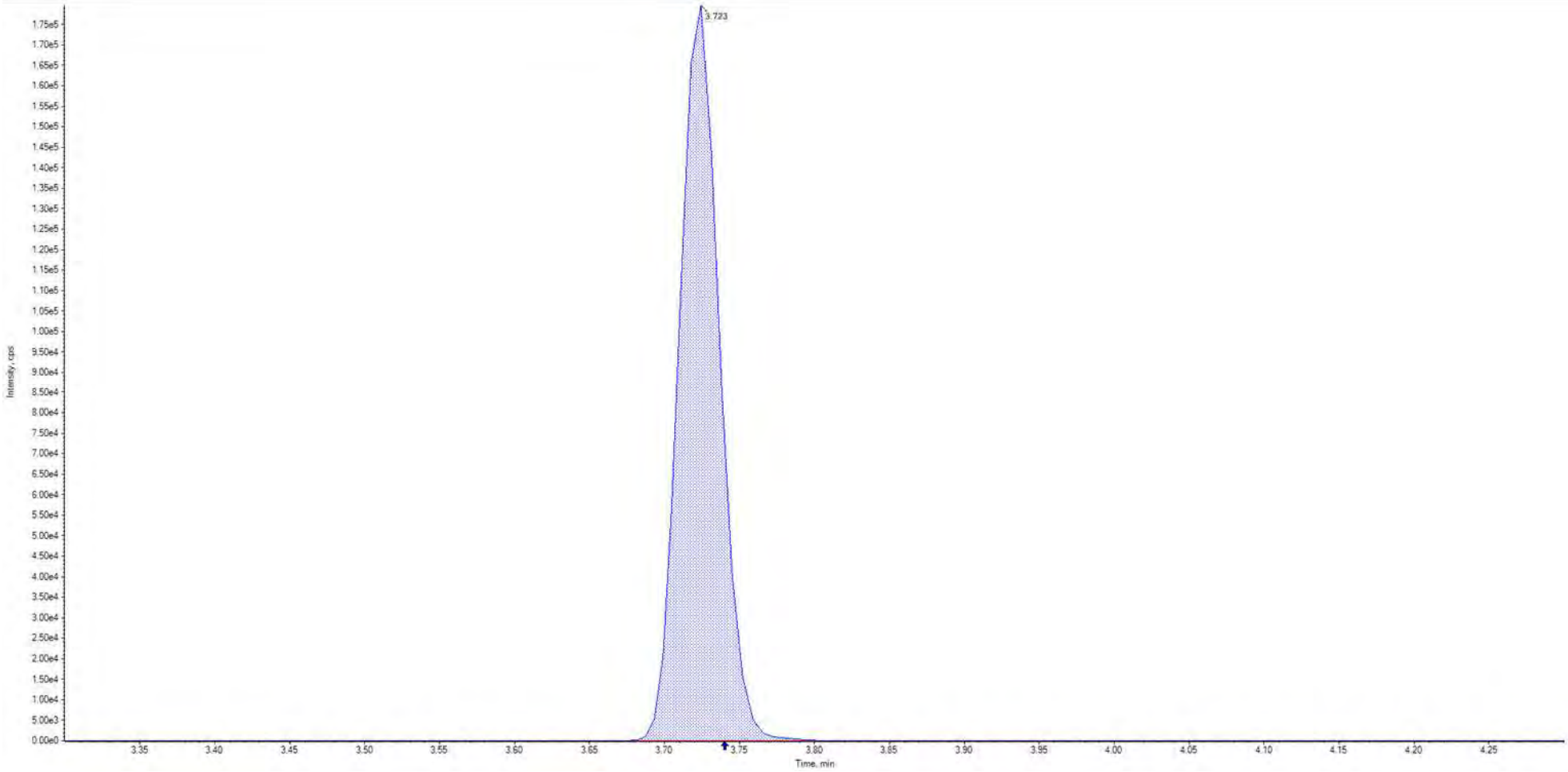
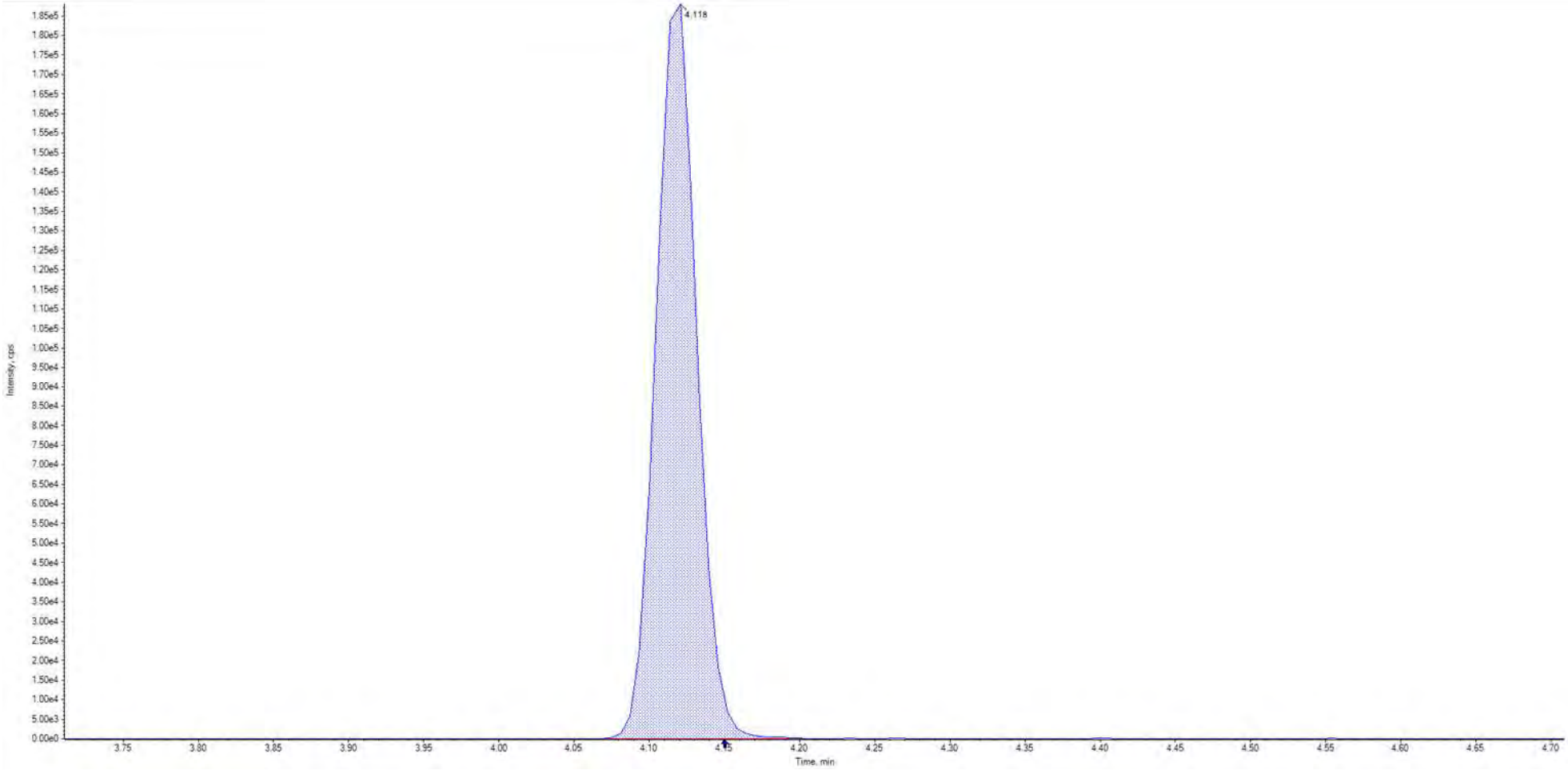
13C9-PFNA
Sample: WG2013165-1,1633LOW



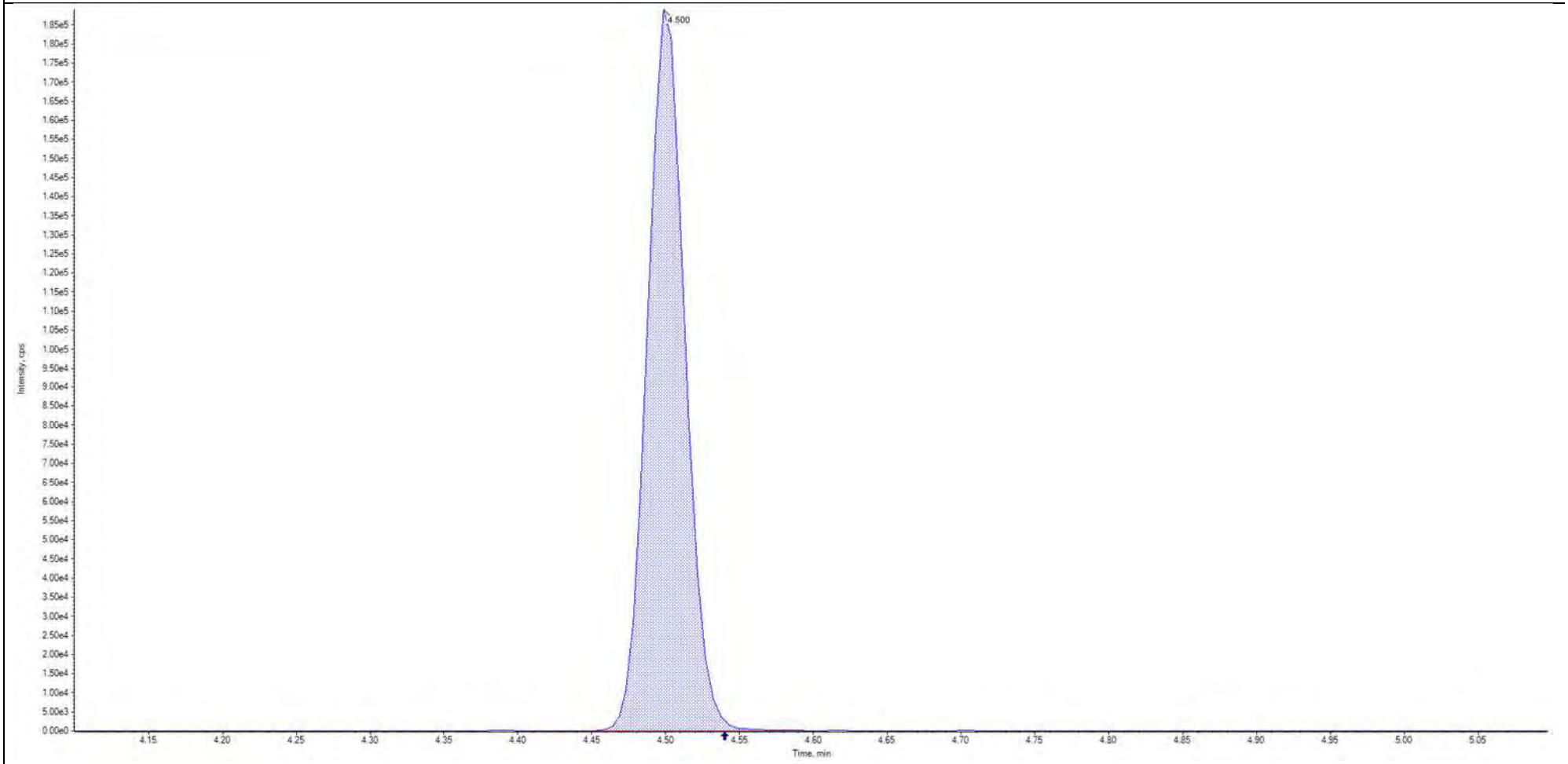
13C6-PFDA
Sample: WG2013165-1,1633LOW



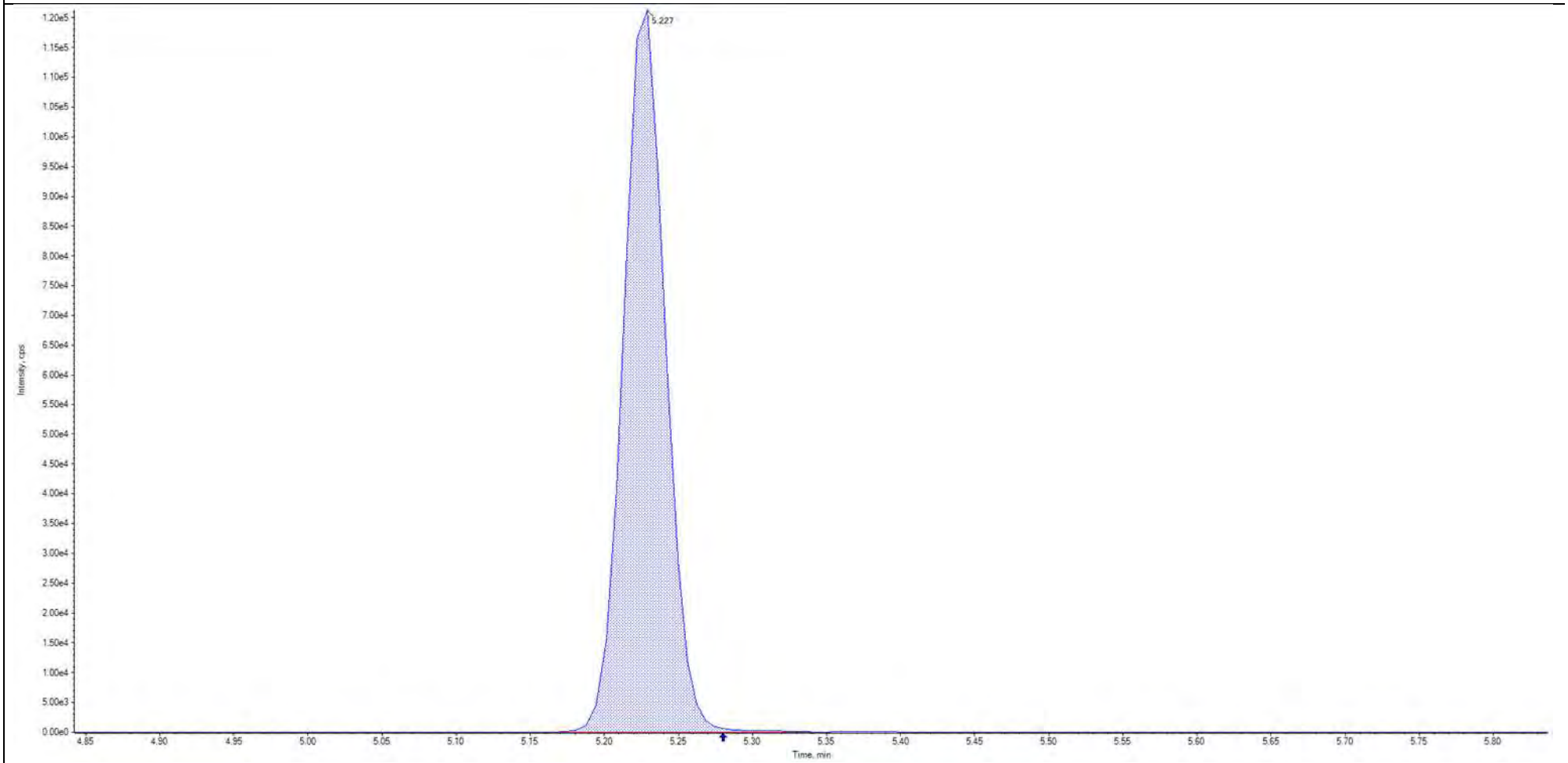
13C7-PFUnA
Sample: WG2013165-1,1633LOW



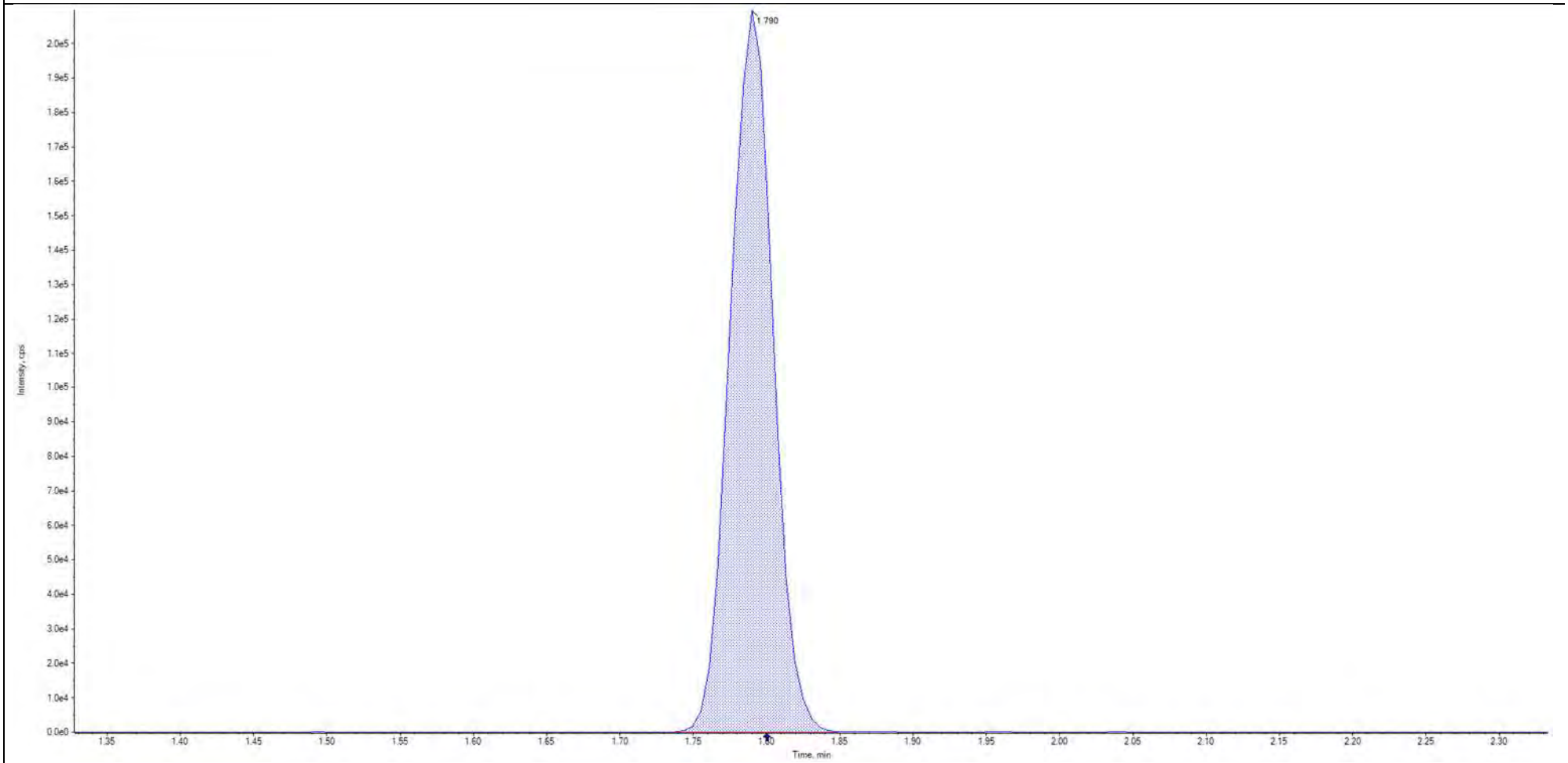
13C2-PFDoA
Sample: WG2013165-1,1633LOW



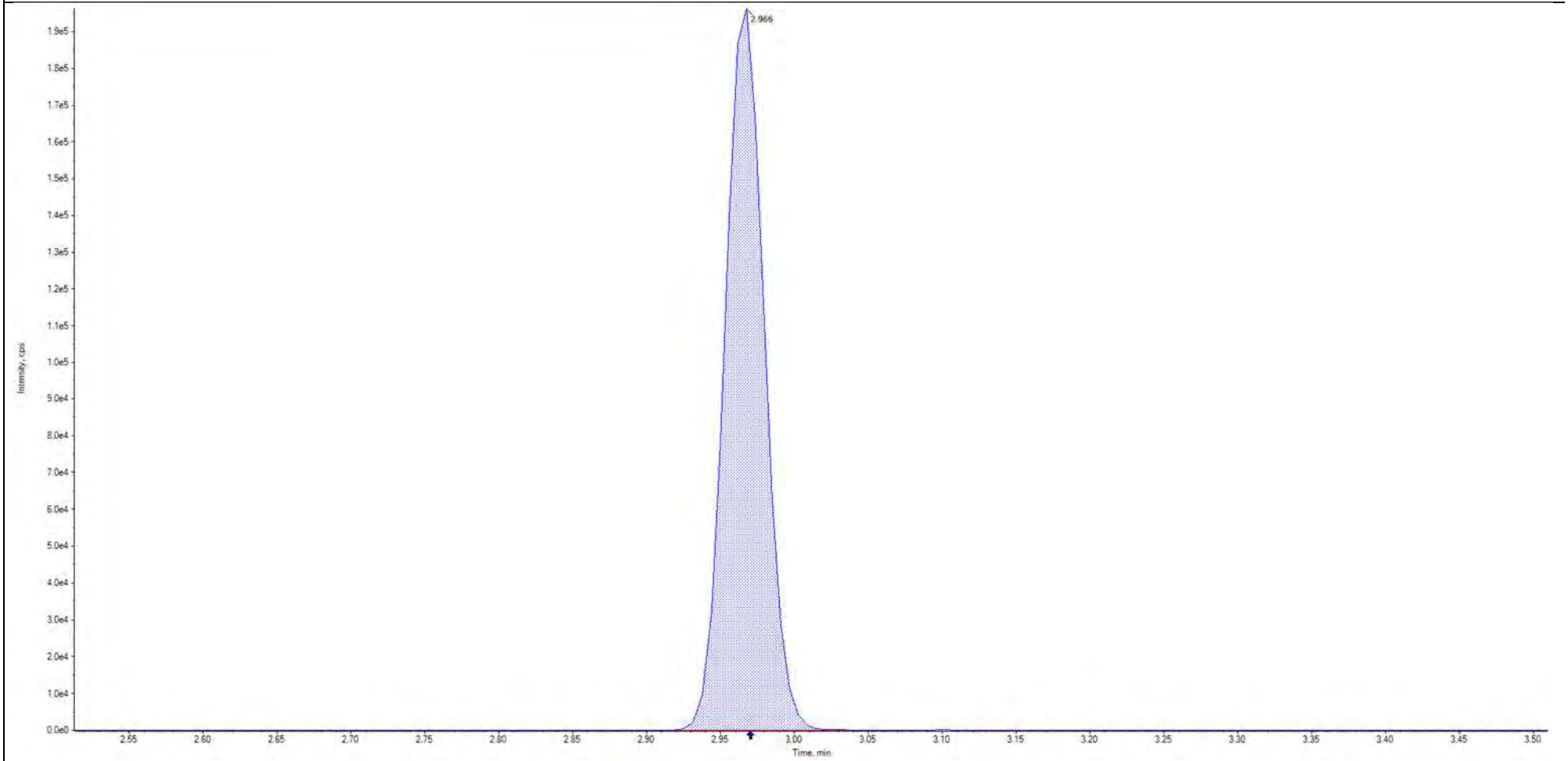
13C2-PFTeDA
Sample: WG2013165-1,1633LOW



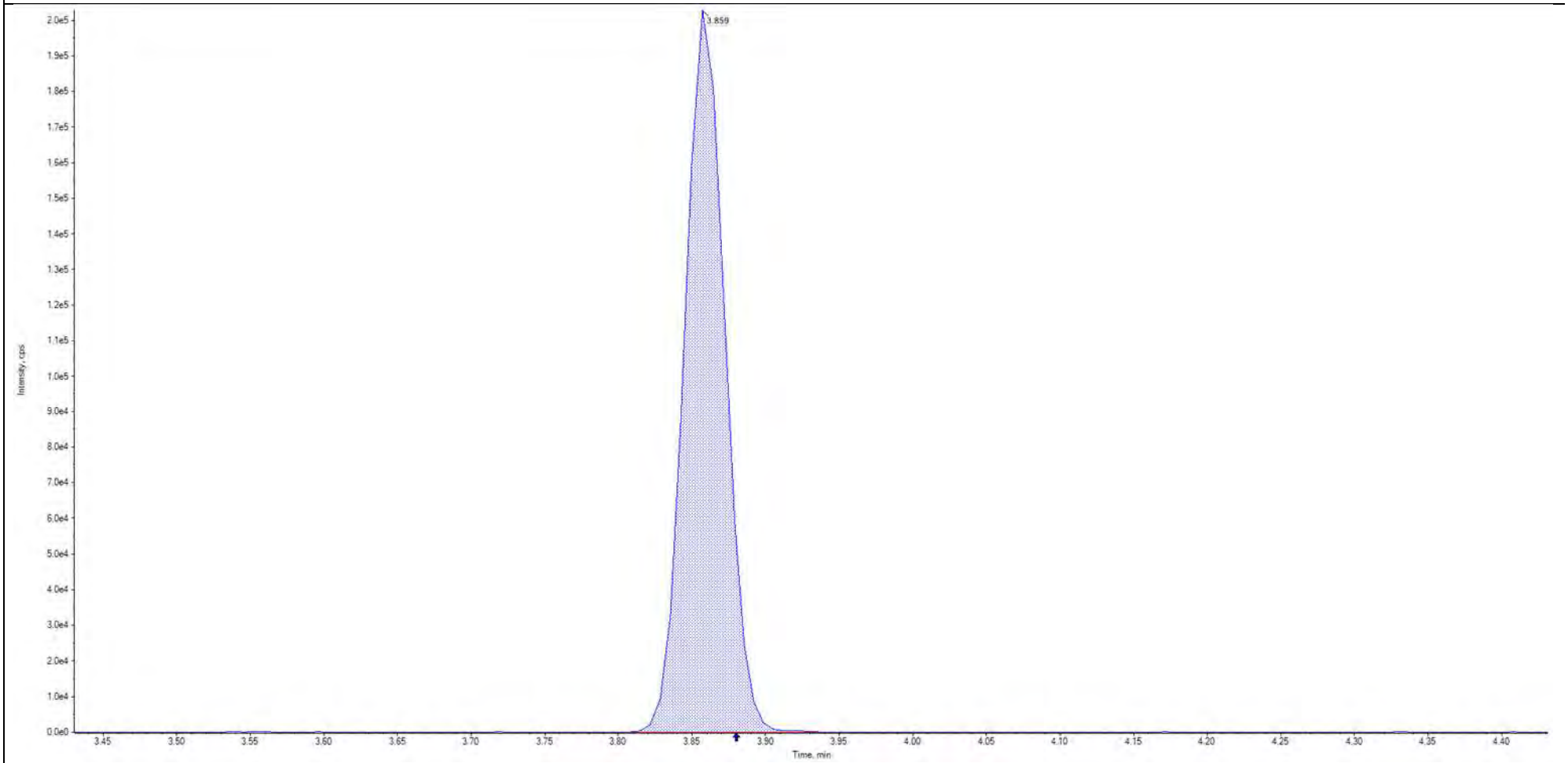
13C3-PFBS
Sample: WG2013165-1,1633LOW



13C3-PFHxS
Sample: WG2013165-1,1633LOW



13C8-PFOS
Sample: WG2013165-1,1633LOW



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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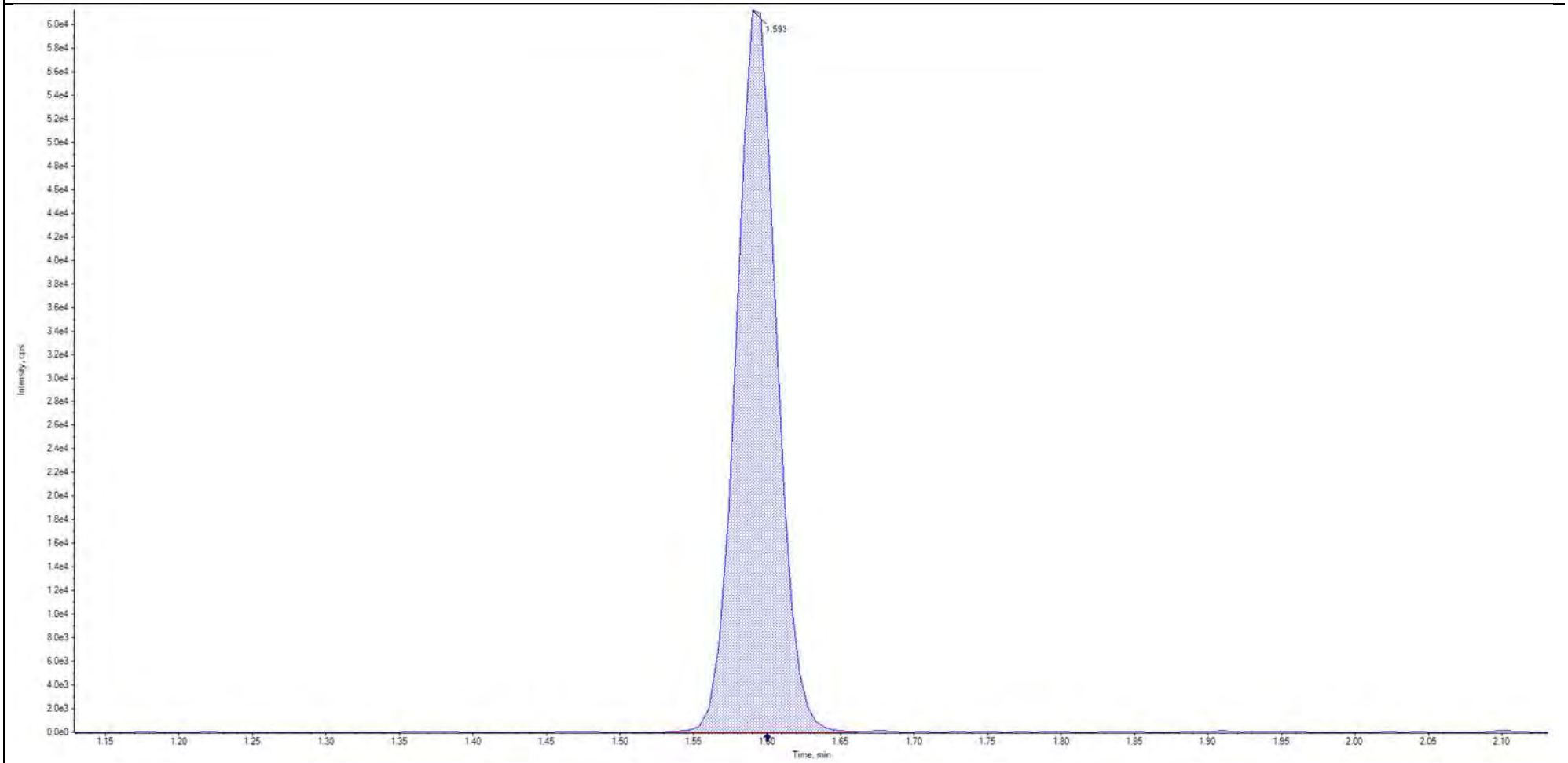
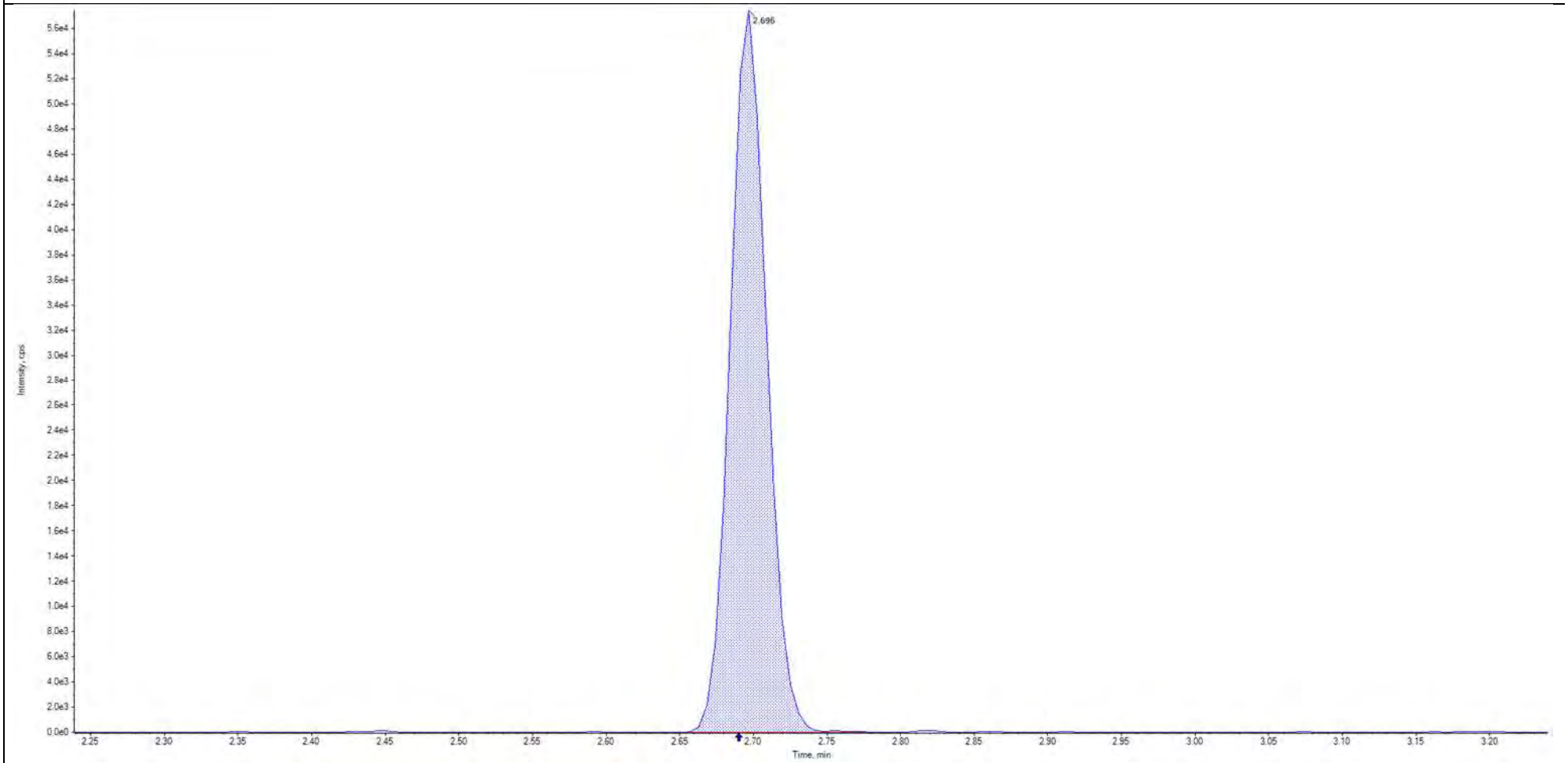
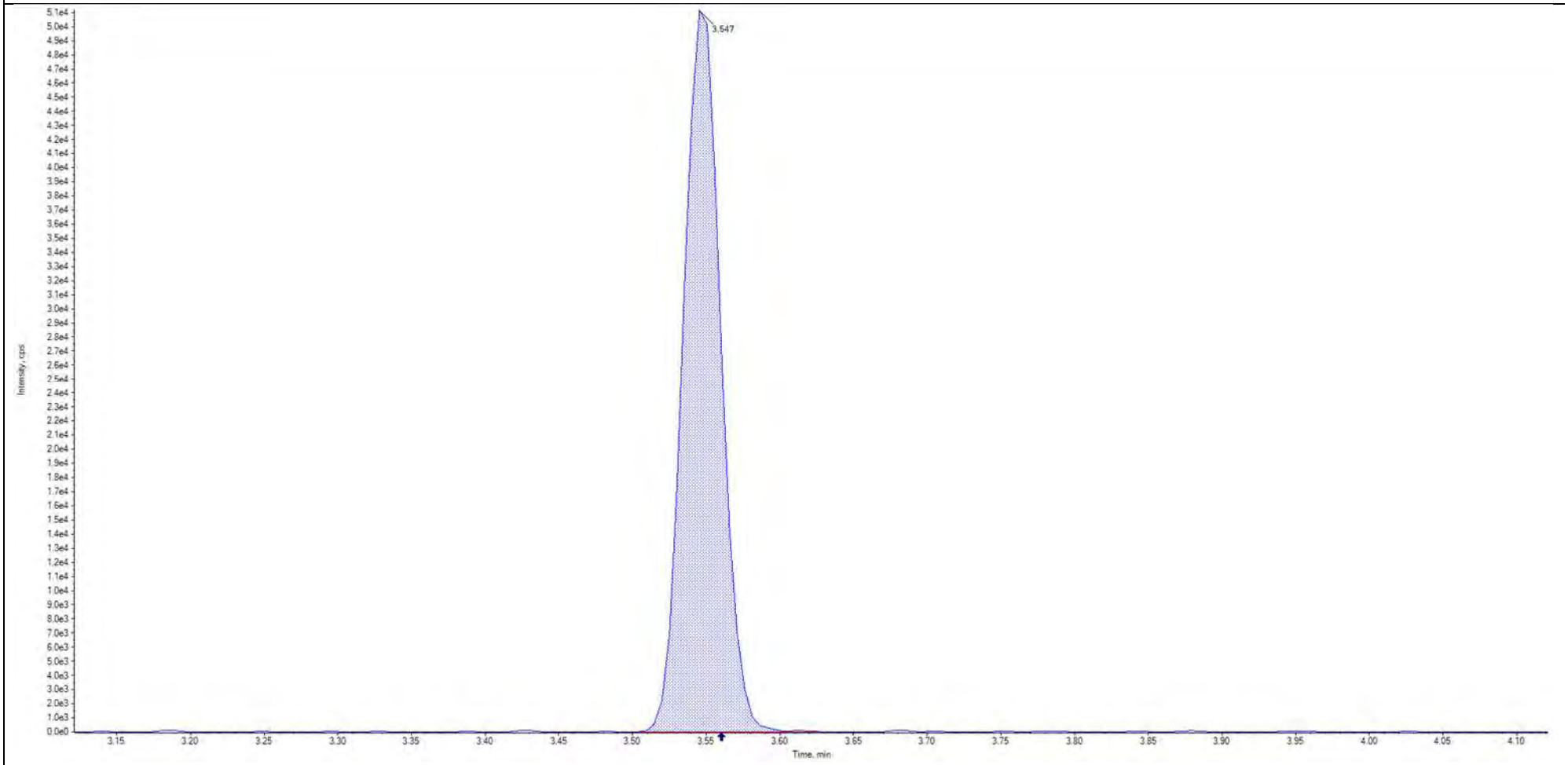
13C2-4:2FTS
Sample: WG2013165-1,1633LOW



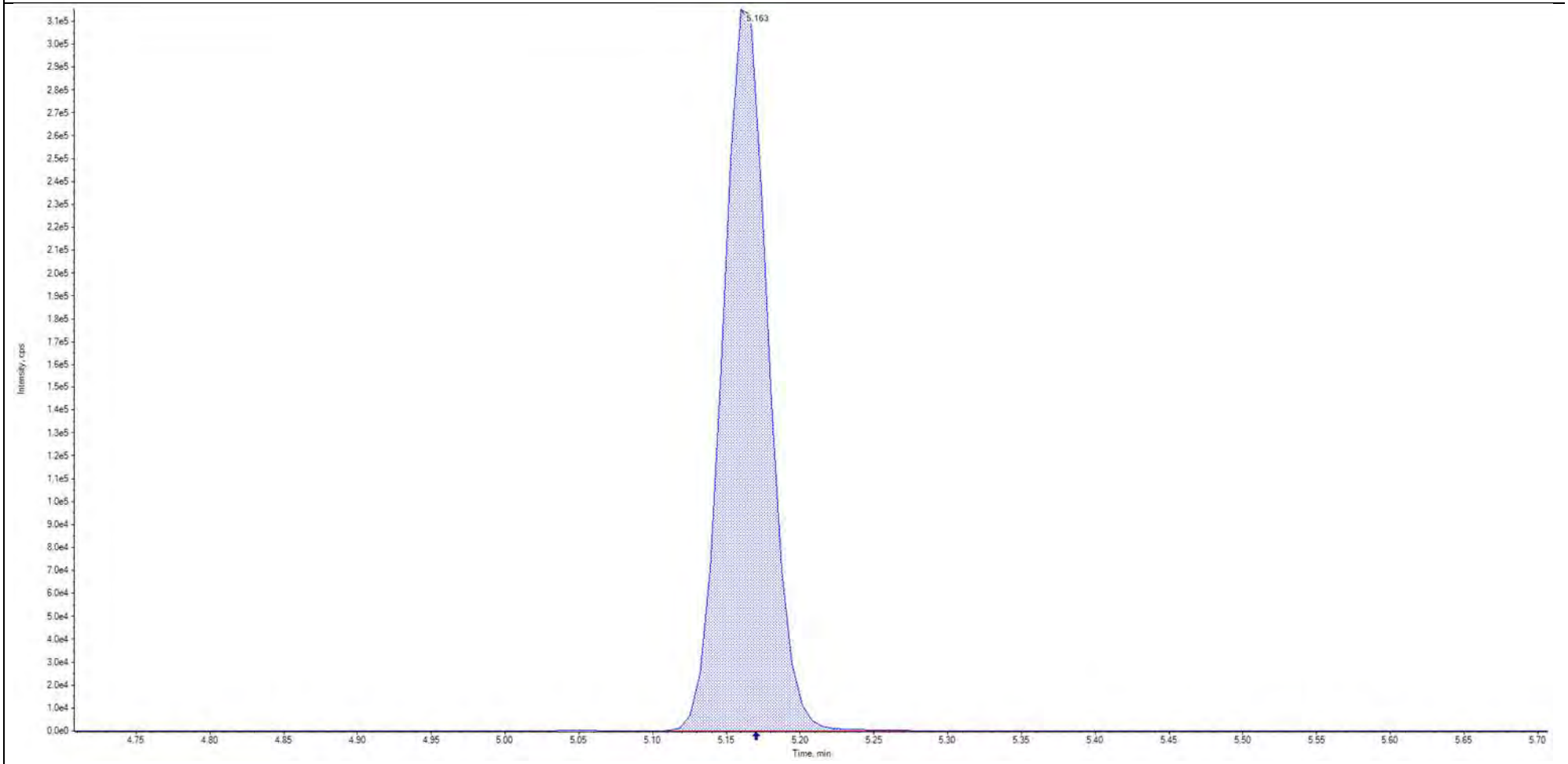
13C2-6:2FTS
Sample: WG2013165-1,1633LOW



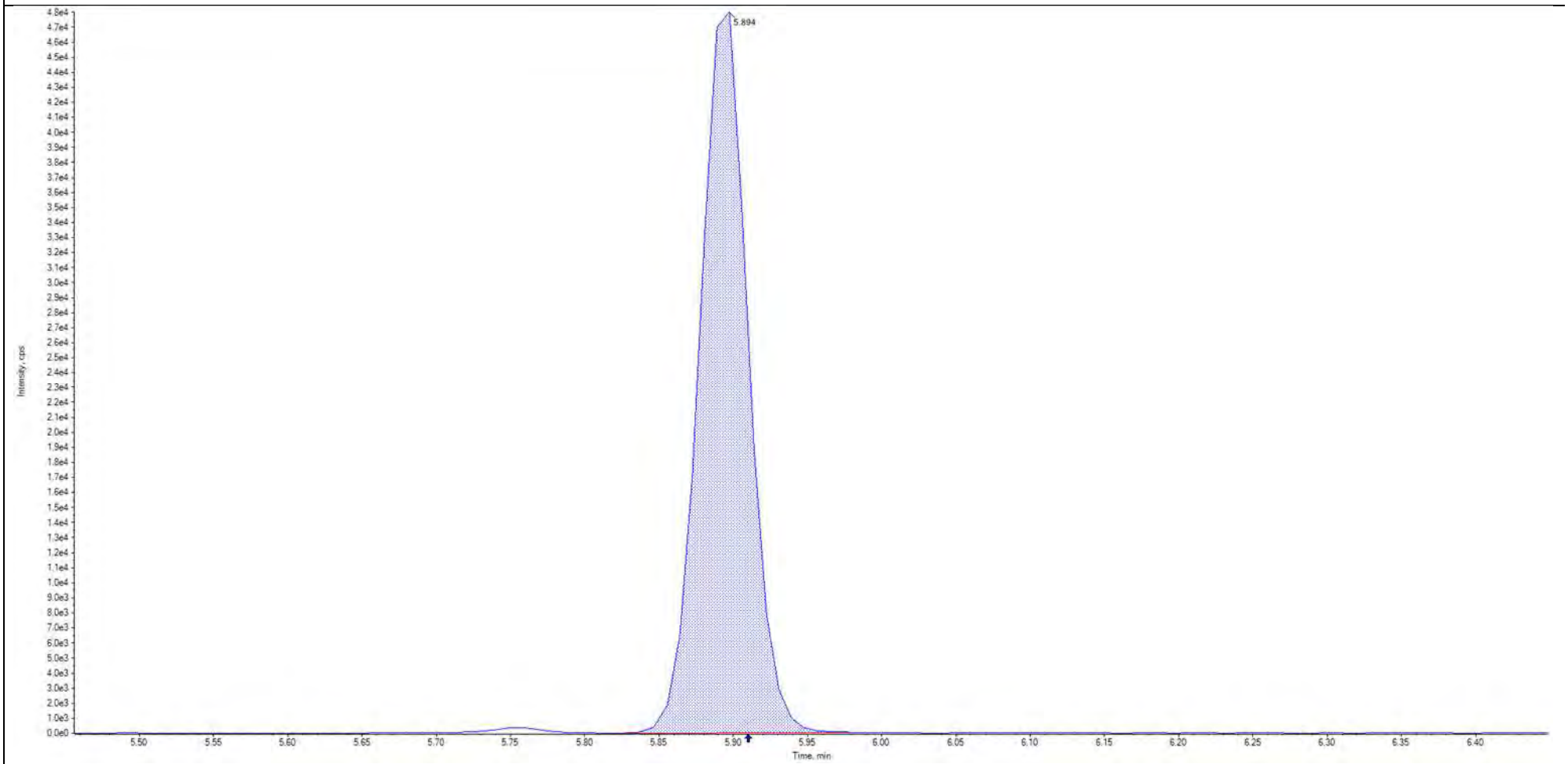
13C2-8:2FTS
Sample: WG2013165-1,1633LOW



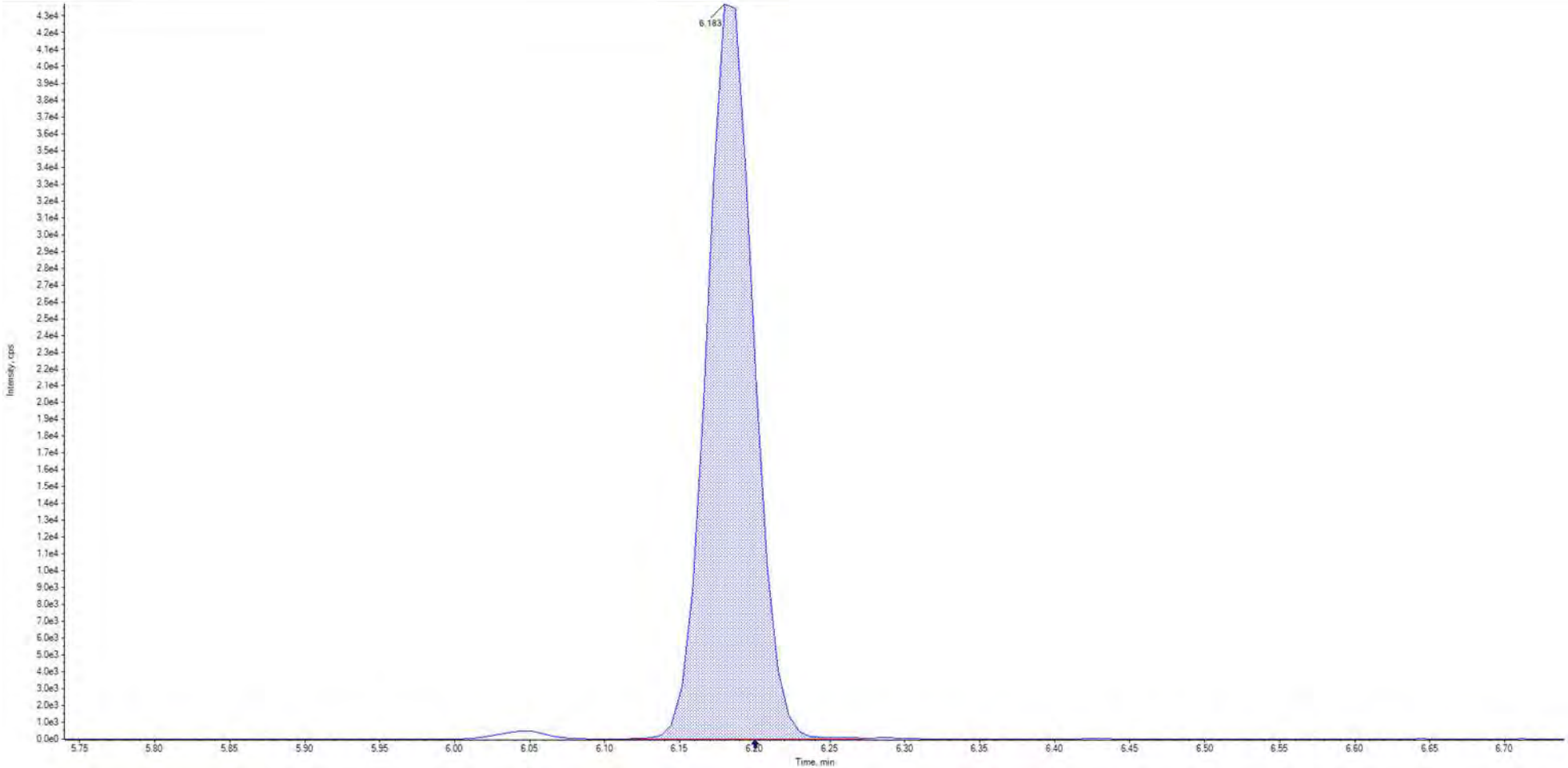
13C8-PFOSA
Sample: WG2013165-1,1633LOW



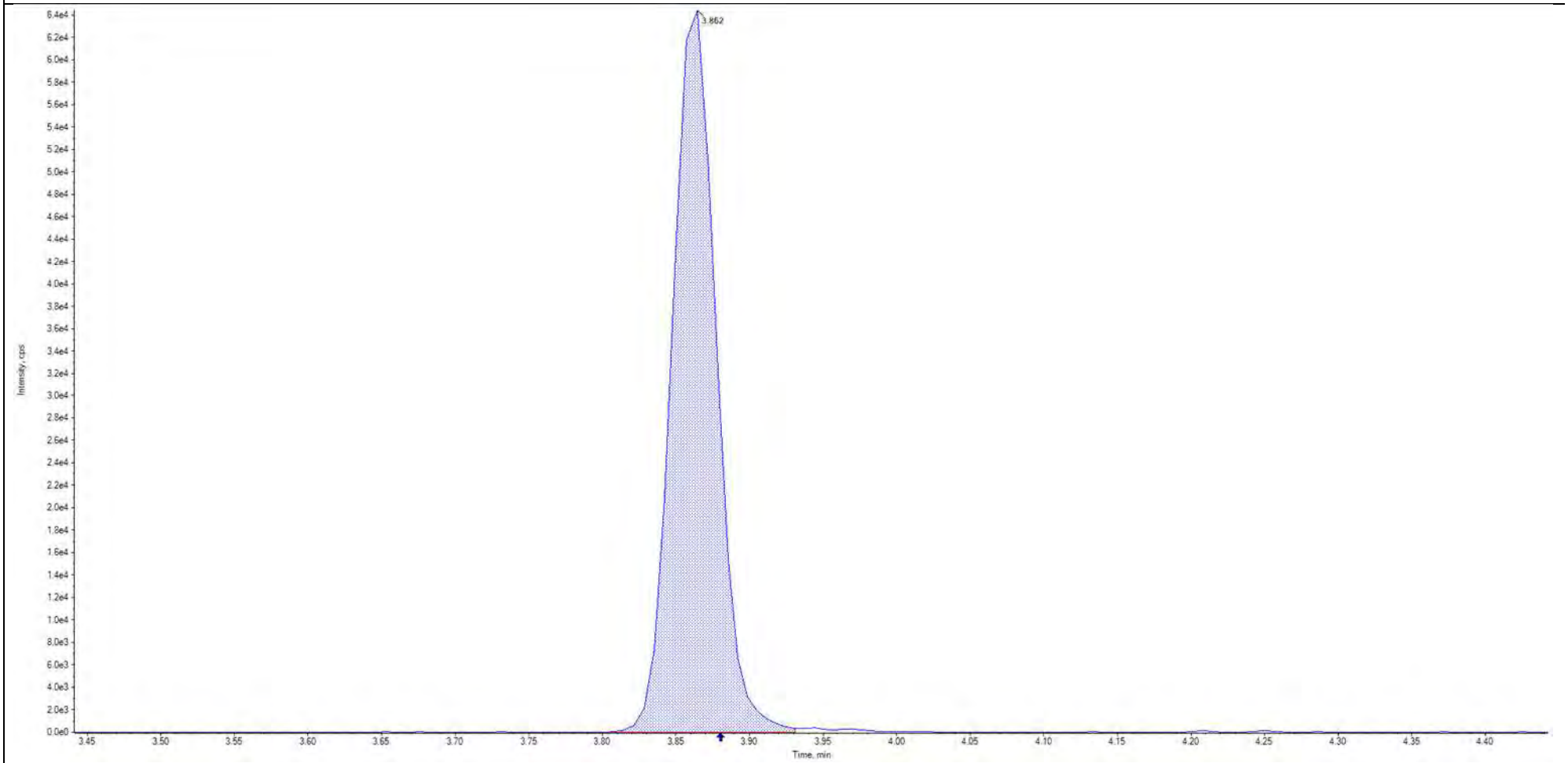
d3-NMeFOSA
Sample: WG2013165-1,1633LOW



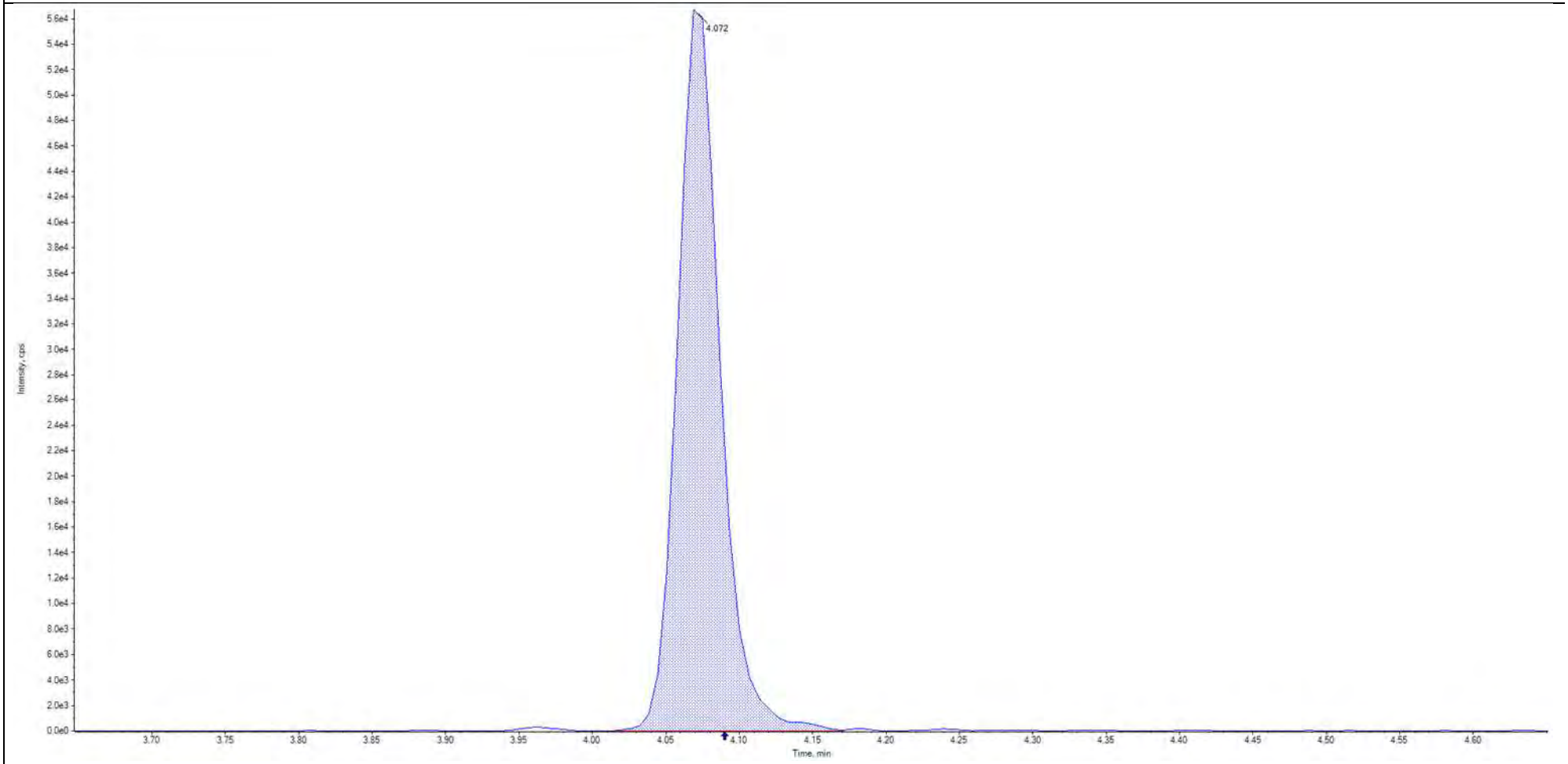
d5-NEtFOSA
Sample: WG2013165-1,1633LOW



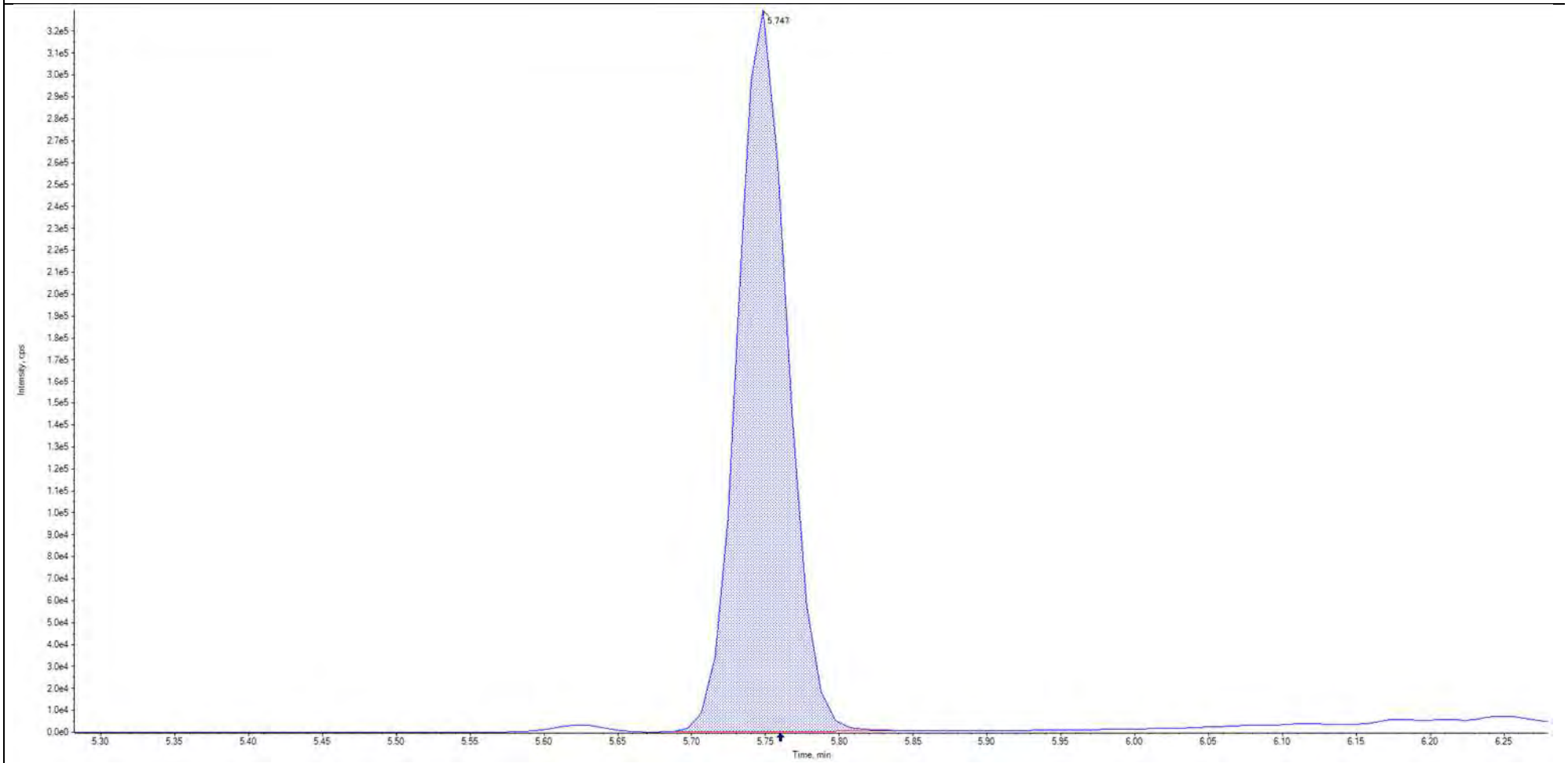
d3-NMeFOSAA
Sample: WG2013165-1,1633LOW



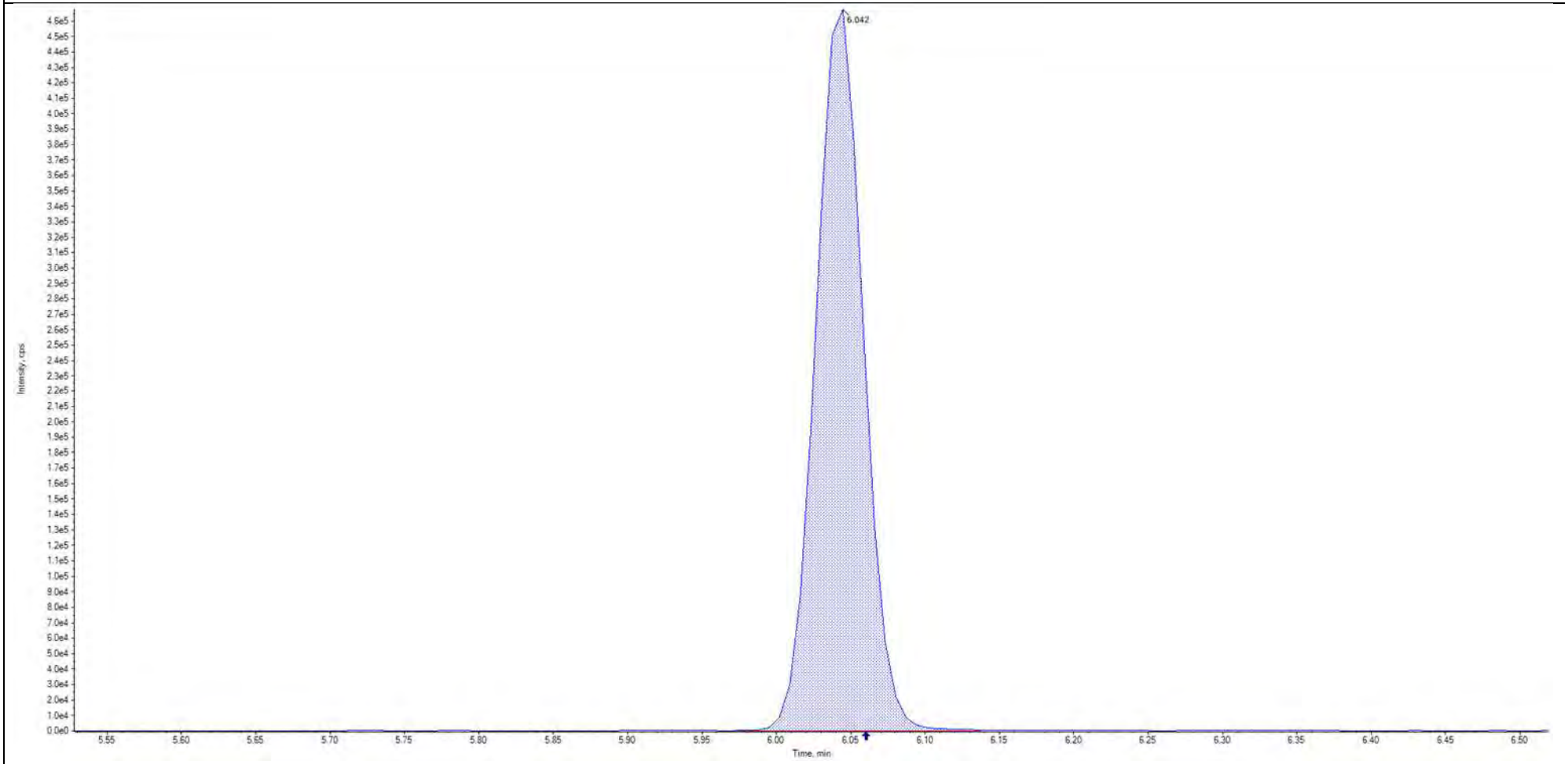
d5-NEtFOSAA
Sample: WG2013165-1,1633LOW



d7-NMeFOSE
Sample: WG2013165-1,1633LOW



d9-NEtFOSE
Sample: WG2013165-1,1633LOW



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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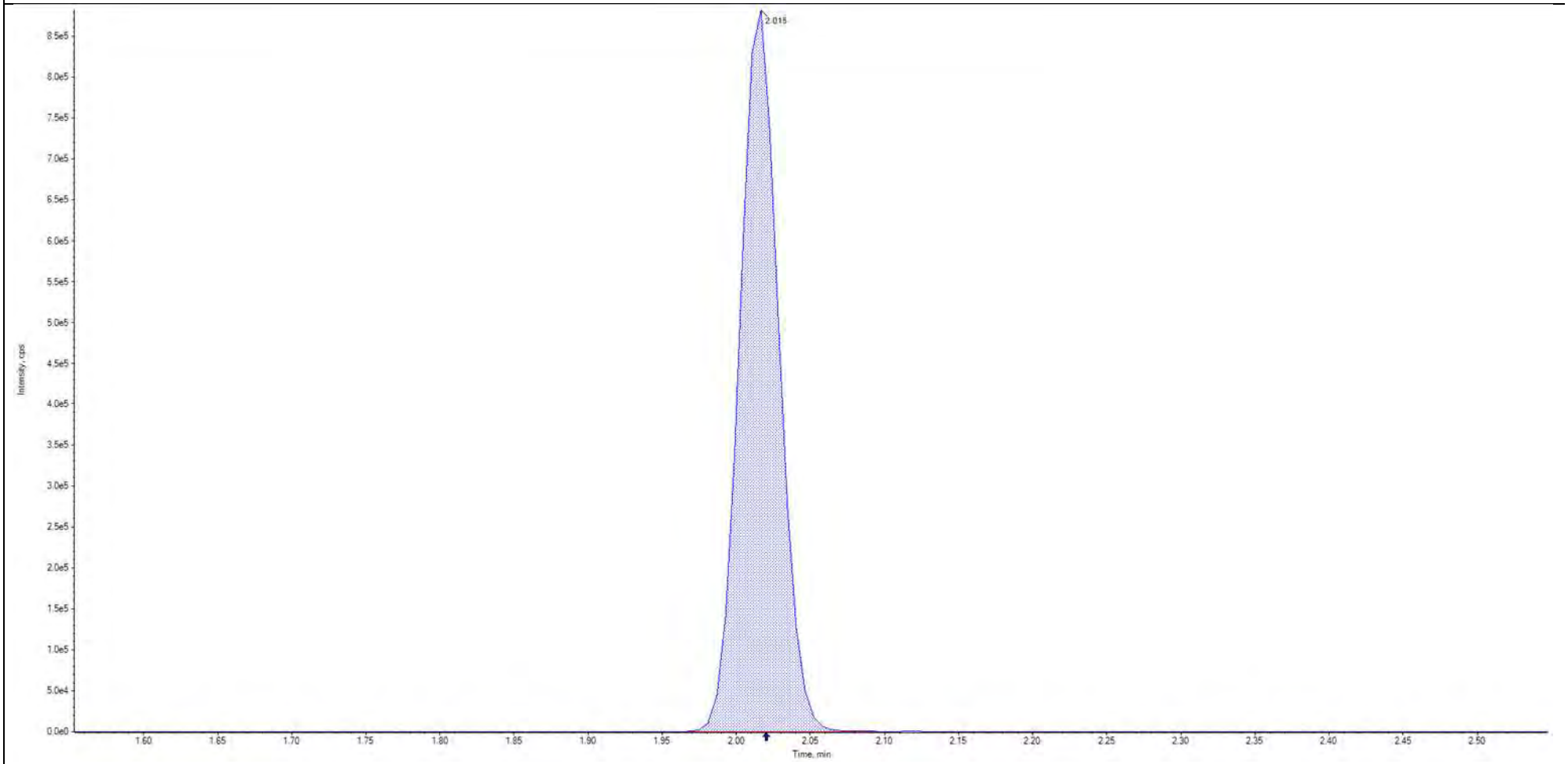
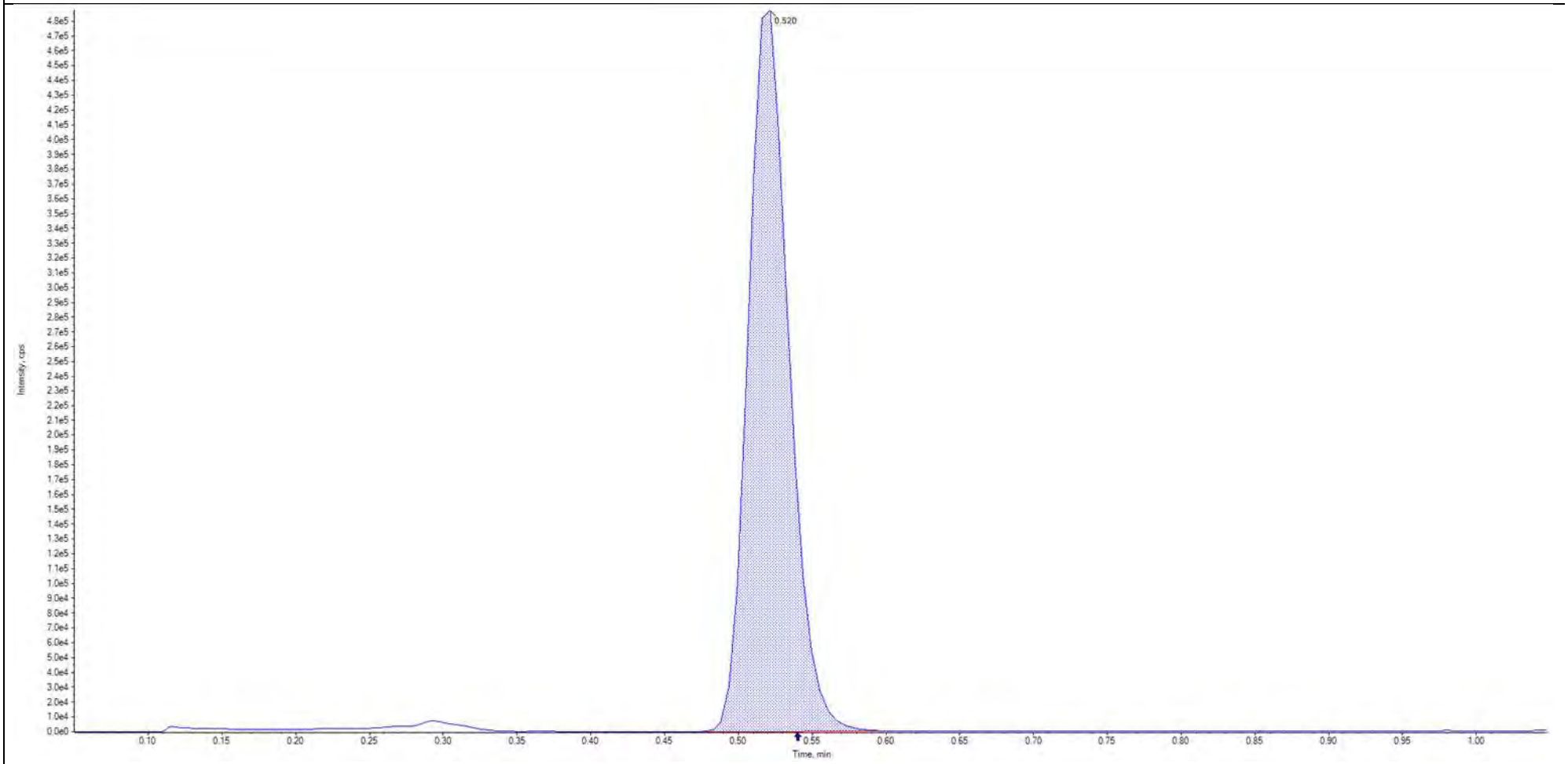
Generated: 12/24/2024 10:11:25 AM

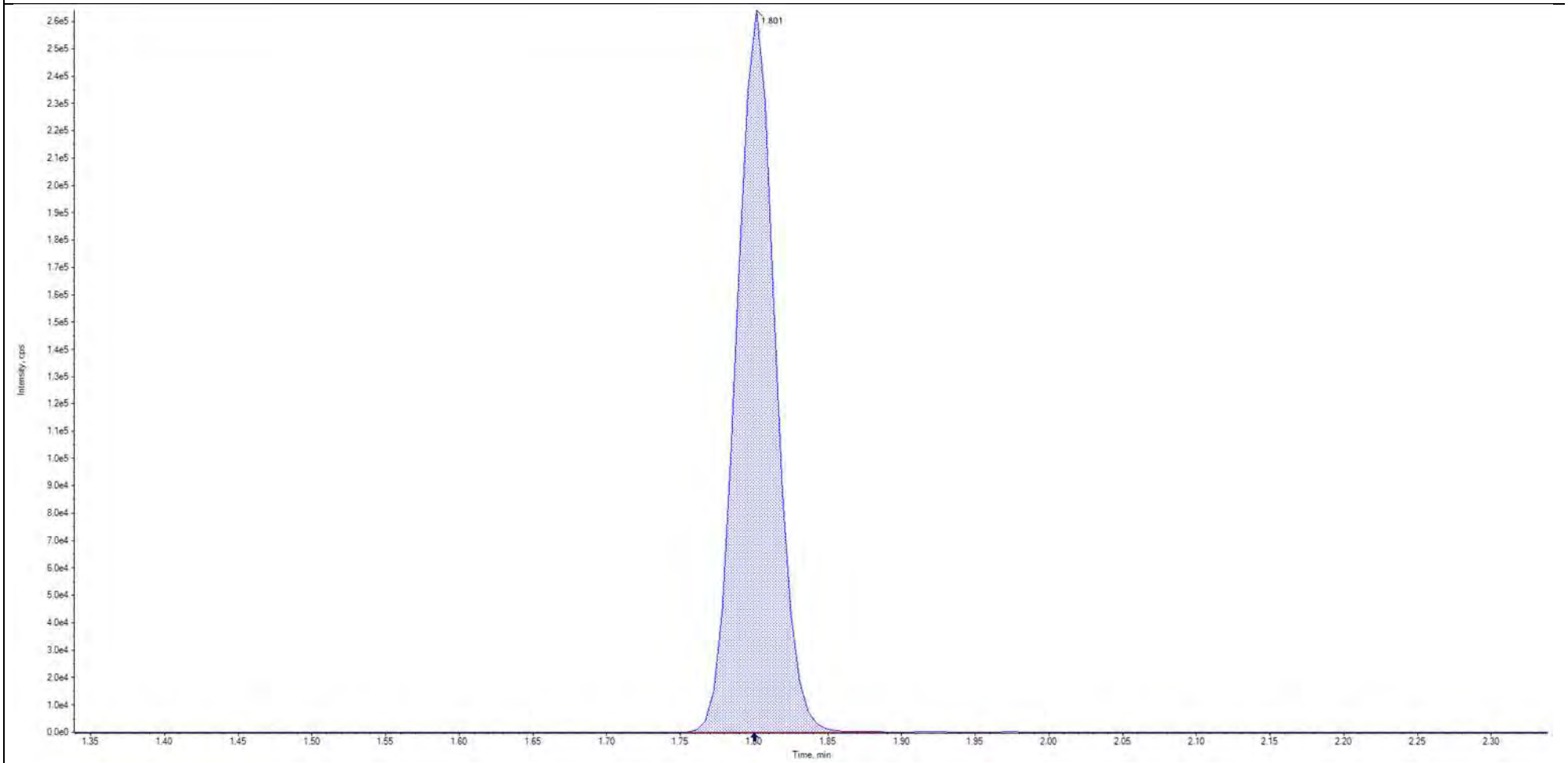
13C3-HFPO-DA
Sample: WG2013165-1,1633LOW



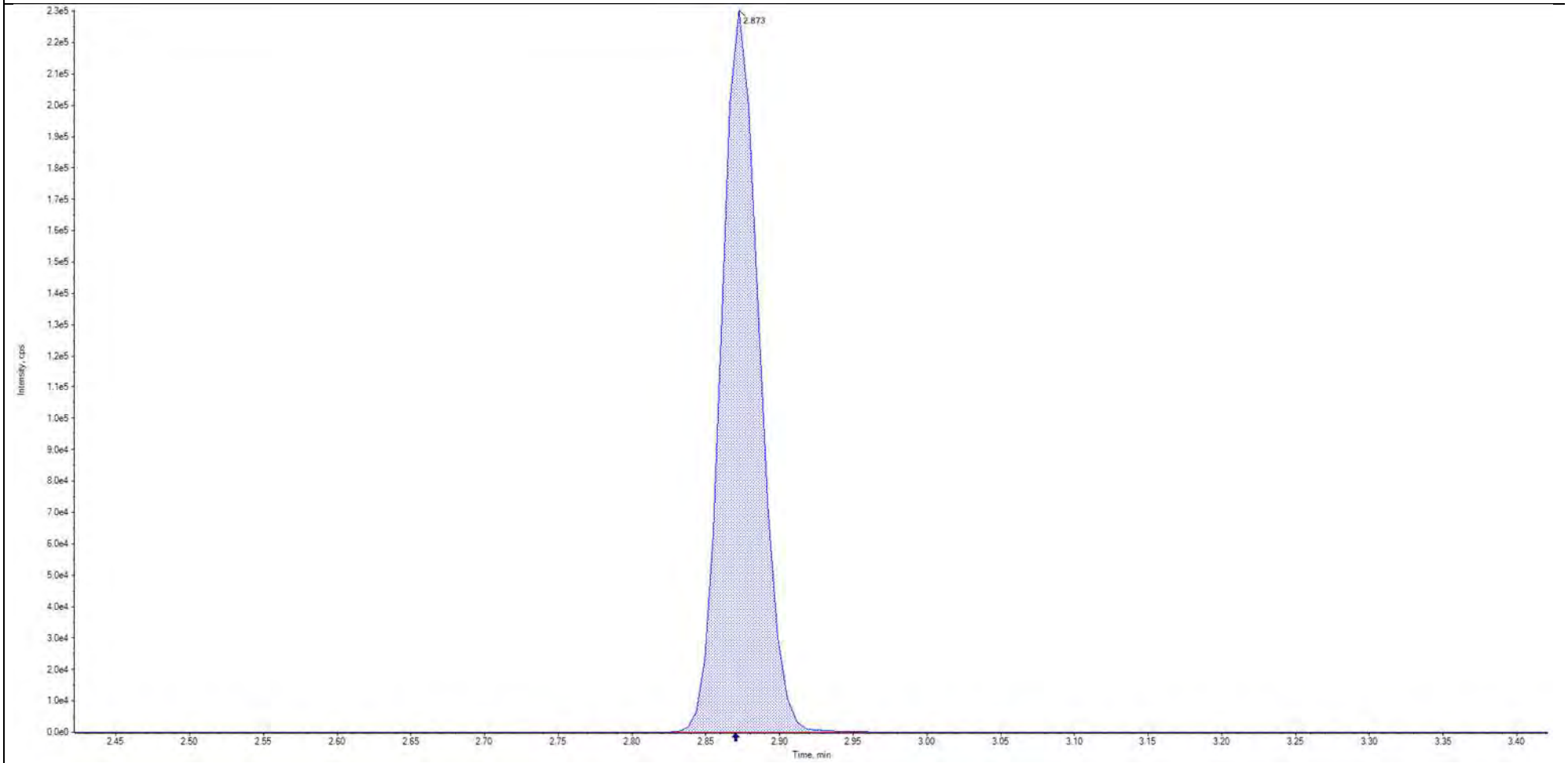
13C3-PFBA
Sample: WG2013165-1,1633LOW



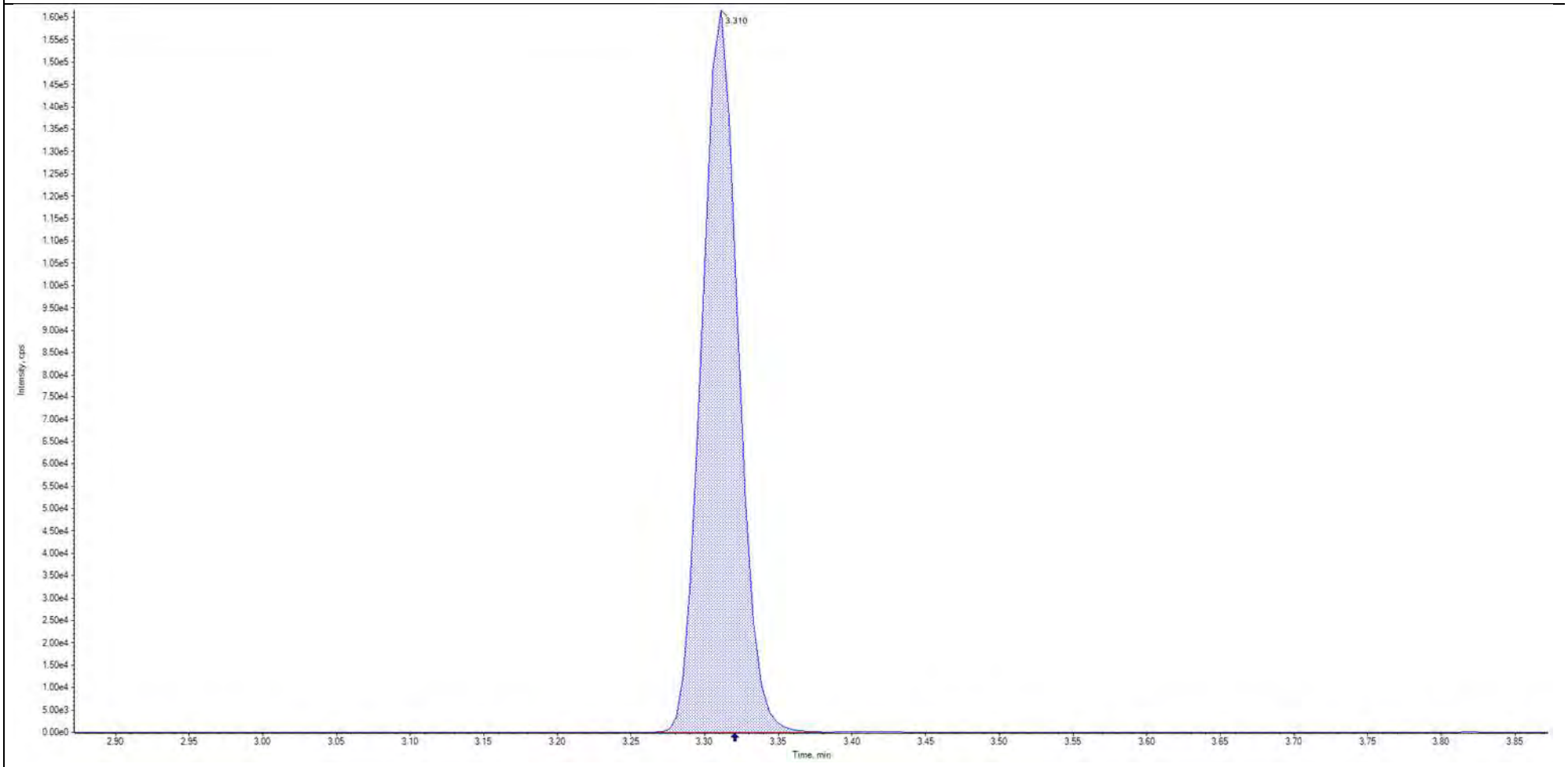
13C2-PFHxA
Sample: WG2013165-1,1633LOW



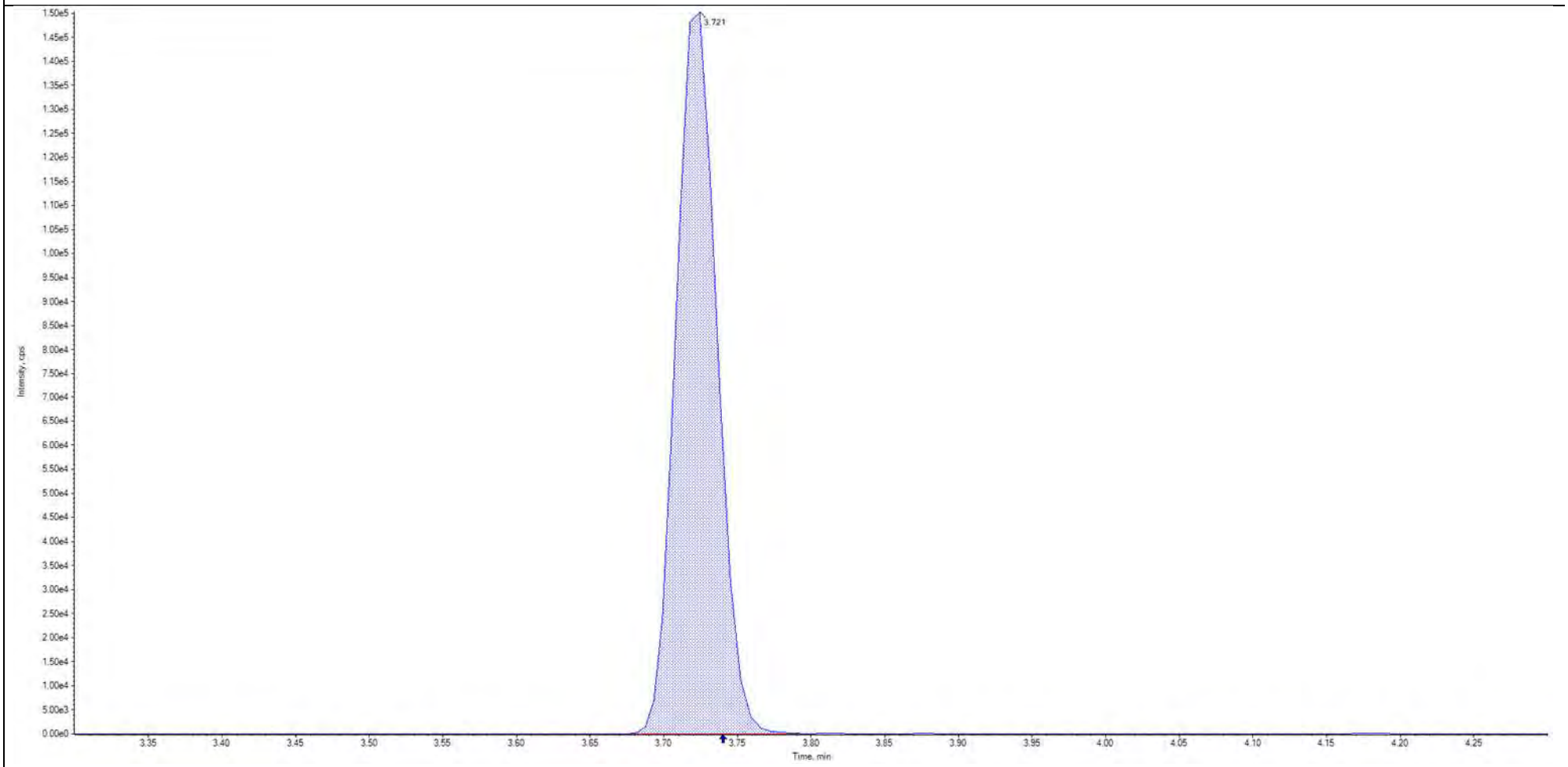
13C4-PFOA
Sample: WG2013165-1,1633LOW



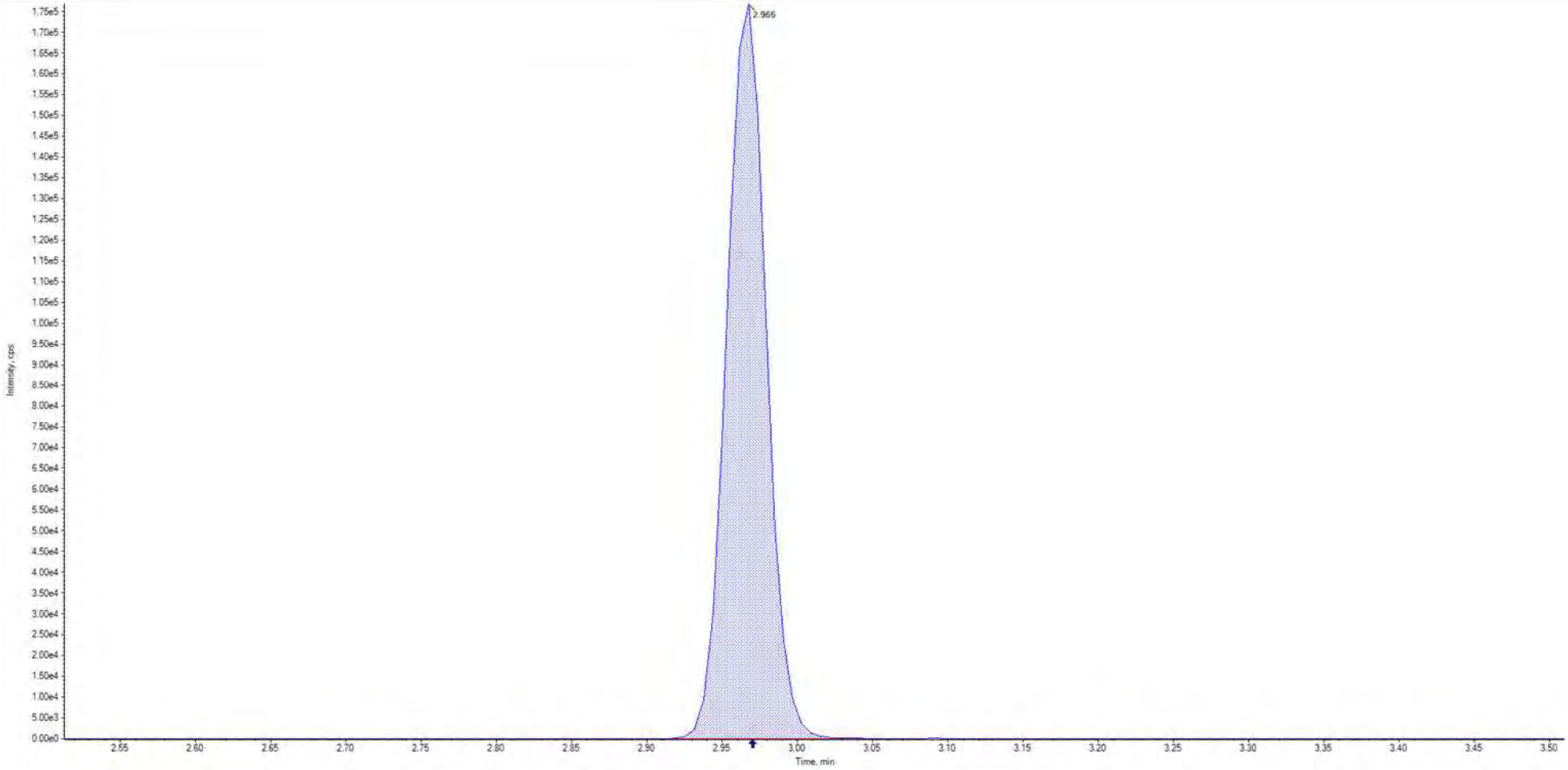
13C5-PFNA
Sample: WG2013165-1,1633LOW



13C2-PFDA
Sample: WG2013165-1,1633LOW



18O2-PFHxS
Sample: WG2013165-1,1633LOW



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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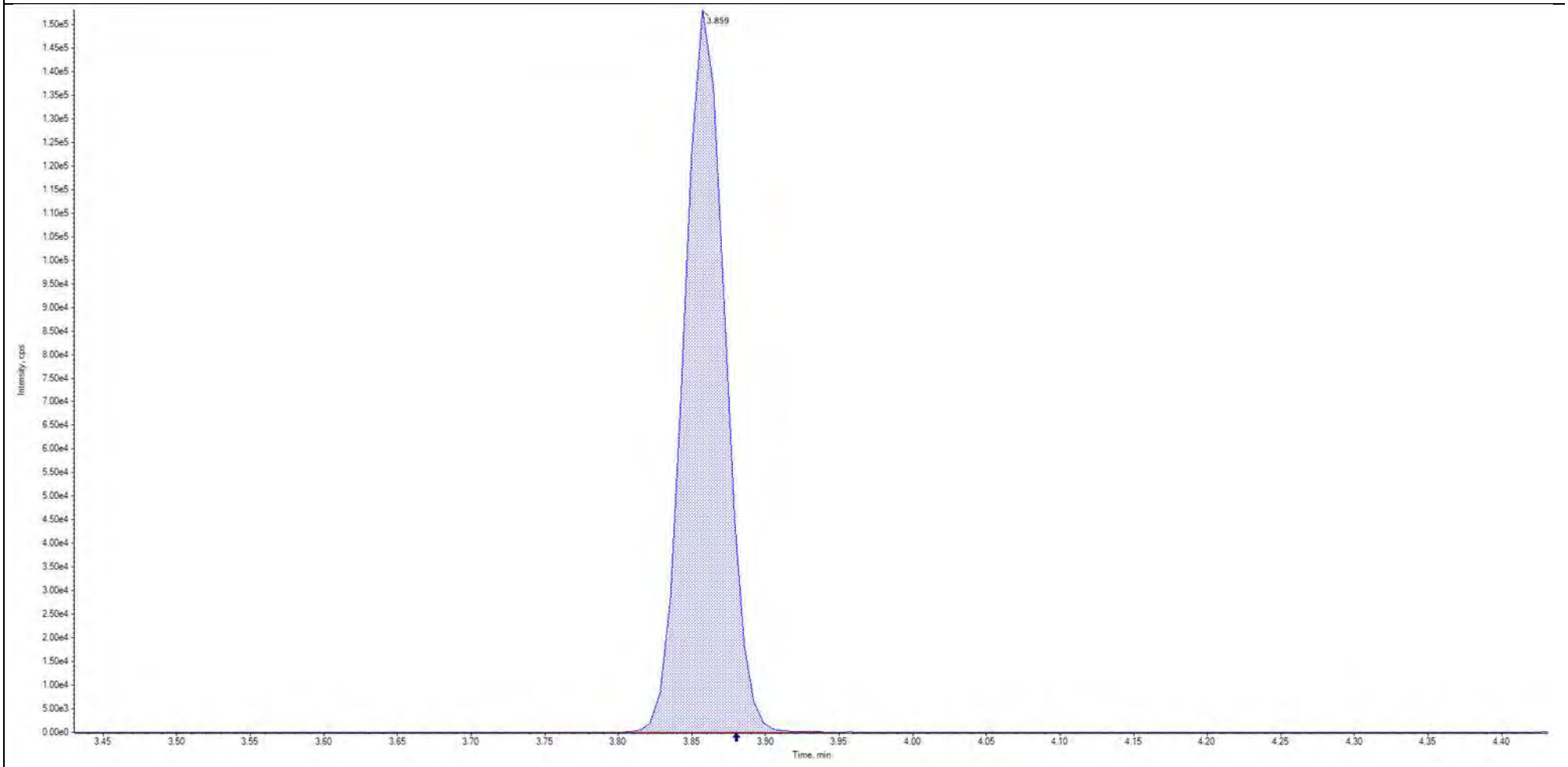
13C4-PFOS
Sample: WG2013165-1,1633LOW



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Alpha Analytical LLC
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Generated: 12/24/2024 10:11:25 AM

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Method: EPA1633F.qmethod
Calibration: 241112_1633_ICAL

ID: WG2013165-2,1633FMED
Name: SCI09_241224_17.wiff2
Date & Time: 2024-12-24T11:24:59
Description: WG2013165,WG2000000,ICAL21696,1633FMED
Instrument: SCIEX Triple Quad 5500+
User: LCMS09:AC

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.53	213.0 / 169.0	3097407		18.416	N/A	N/A	N/A	92.1
2	PFPeA	2706-90-3	1.05	263.0 / 219.0	1447455		9.898	0.007	N/A	N/A	99.0
3	PFPeA_2	2706-90-3	1.05	263.0 / 68.9	10451		8.200	0.007	N/A	N/A	82.0
4	PFHxA	307-24-4	1.82	313.0 / 269.0	924069		5.399	0.087	0.089	Pass	108.0
5	PFHxA_2	307-24-4	1.82	313.0 / 119.0	80482		5.177	0.087	0.089	Pass	103.6
6	PFHpA	375-85-9	2.40	363.1 / 319.0	1009894		4.959	0.380	0.384	Pass	99.2
7	PFHpA_2	375-85-9	2.40	363.1 / 169.0	383951		4.847	0.380	0.384	Pass	96.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	2.89	413.1 / 369.1	976152	m5	4.429	0.443	0.410	Pass	88.6
9	PFOA_2	335-67-1	2.89	413.1 / 169.0	432338	m5	4.795	0.443	0.410	Pass	95.9
10	PFNA	375-95-1	3.33	462.8 / 418.9	952036	m5	5.032	0.339	0.341	Pass	100.7
11	PFNA_2	375-95-1	3.33	462.8 / 219.0	322395	m5	4.943	0.339	0.341	Pass	98.9
12	PFDA	335-76-2	3.74	513.1 / 469.1	963940		4.586	0.187	0.215	Pass	91.7
13	PFDA_2	335-76-2	3.74	513.1 / 219.0	180120		4.552	0.187	0.215	Pass	91.1
14	PFUnA	2058-94-8	4.14	563.1 / 519.1	993767		4.968	0.147	0.151	Pass	99.4
15	PFUnA_2	2058-94-8	4.14	563.1 / 269.0	146294		4.913	0.147	0.151	Pass	98.3
16	PFDoA	307-55-1	4.52	613.1 / 569.1	1124871		4.885	0.140	0.140	Pass	97.7
17	PFDoA_2	307-55-1	4.52	613.1 / 319.0	157591		4.871	0.140	0.140	Pass	97.4
18	PFTrDA	72629-94-8	4.89	663.1 / 619.1	1046072		4.990	0.167	0.159	Pass	99.8
19	PFTrDA_2	72629-94-8	4.89	663.1 / 169.0	174850		5.391	0.167	0.159	Pass	107.8
20	PFTeDA	376-06-7	5.25	713.1 / 669.1	908488		4.761	0.160	0.159	Pass	95.2
21	PFTeDA_2	376-06-7	5.25	713.1 / 169.0	145628		4.775	0.160	0.159	Pass	95.5
22	PFBS	375-73-5	1.81	299.1 / 80.1	721745		4.036	0.375	0.398	Pass	90.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	1.81	299.1 / 99.1	270440		4.340	0.375	0.398	Pass	92.4
24	PFPeS	2706-91-4	2.46	349.1 / 80.1	707756		4.541	0.327	0.285	Pass	96.6
25	PFPeS_2	2706-91-4	2.46	349.1 / 99.1	231649		4.747	0.327	0.285	Pass	101.0
26	PFHxS	355-46-4	2.98	399.1 / 80.1	591480	m5	3.951	0.310	0.293	Pass	86.6
27	PFHxS_2	355-46-4	2.98	399.1 / 99.1	183443		4.263	0.310	0.293	Pass	93.5
28	PFHpS	375-92-8	3.44	449.1 / 80.1	667601		4.941	0.295	0.308	Pass	103.8
29	PFHpS_2	375-92-8	3.44	449.1 / 99.1	196895		4.990	0.295	0.308	Pass	104.8
30	PFOS	1763-23-1	3.88	499.1 / 80.1	626146	m5	3.995	0.249	0.241	Pass	86.1
31	PFOS_2	1763-23-1	3.88	499.1 / 99.1	156180	m5	4.112	0.249	0.241	Pass	88.6
32	PFNS	68259-12-1	4.28	549.1 / 80.1	507087		4.495	0.295	0.299	Pass	93.7
33	PFNS_2	68259-12-1	4.28	549.1 / 99.1	149741		4.554	0.295	0.299	Pass	94.9
34	PFDS	335-77-3	4.67	599.1 / 80.1	524808		4.376	0.279	0.274	Pass	90.8
35	PFDS_2	335-77-3	4.67	599.1 / 99.1	146366		4.272	0.279	0.274	Pass	88.6
36	PFDoS	79780-39-5	5.39	699.2 / 80.1	431623		4.136	0.258	0.247	Pass	85.5
37	PFDoS_2	79780-39-5	5.39	699.2 / 99.1	111290		4.158	0.258	0.247	Pass	85.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	1.61	327.1 / 307.1	647211		17.654	0.631	0.634	Pass	94.4
39	4:2FTS_2	757124-72-4	1.61	327.1 / 81.1	408377		17.624	0.631	0.634	Pass	94.2
40	6:2FTS	27619-97-2	2.71	427.2 / 407.2	545626		17.822	0.660	0.609	Pass	93.8
41	6:2FTS_2	27619-97-2	2.71	427.2 / 81.1	360027		18.930	0.660	0.609	Pass	99.6
42	8:2FTS	39108-34-4	3.56	527.2 / 507.2	431282		18.449	0.684	0.681	Pass	96.1
43	8:2FTS_2	39108-34-4	3.56	527.2 / 81.1	295146		19.483	0.684	0.681	Pass	101.5
44	PFOSA	754-91-6	5.18	498.1 / 78.1	915758	m5	4.499	0.025	0.024	Pass	90.0
45	PFOSA_2	754-91-6	5.18	498.1 / 478.0	22740	m5	4.526	0.025	0.024	Pass	90.5
46	NMeFOSA	31506-32-8	5.92	512.2 / 219.0	209996	m5	4.912	1.388	1.421	Pass	98.2
47	NMeFOSA_2	31506-32-8	5.87	512.2 / 169.0	291507		4.738	1.388	1.421	Pass	94.8
48	NEtFOSA	4151-50-2	6.21	526.2 / 219.0	197824		4.765	1.263	1.258	Pass	95.3
49	NEtFOSA_2	4151-50-2	6.17	526.2 / 169.0	249803		4.656	1.263	1.258	Pass	93.1
50	NMeFOSAA	2355-31-9	3.88	570.2 / 419.1	102106	m5	4.905	0.647	0.683	Pass	98.1
51	NMeFOSAA_2	2355-31-9	3.88	570.2 / 483.0	66036	m5	4.529	0.647	0.683	Pass	90.6
52	NEtFOSAA	2991-50-6	4.09	584.2 / 419.1	98489	m5	5.329	0.541	0.571	Pass	106.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.09	584.2 / 526.2	53308	m5	4.964	0.541	0.571	Pass	99.3
54	NMeFOSE	24448-09-7	5.78	616.1 / 58.9	2910206	m5	47.848	N/A	N/A	N/A	95.7
55	NEtFOSE	1691-99-2	6.08	630.0 / 58.9	4078101	m5	48.643	N/A	N/A	N/A	97.3
56	HFPO-DA	13252-13-6	2.03	285.0 / 169.0	2806292		19.387	0.576	0.510	Pass	96.9
57	HFPO-DA_2	13252-13-6	2.03	285.0 / 184.9	1616653		20.826	0.576	0.510	Pass	104.1
58	ADONA	919005-14-4	2.59	376.9 / 251.0	4908216		18.584	0.657	0.636	Pass	98.3
59	ADONA_2	919005-14-4	2.59	376.9 / 84.8	3226282		16.064	0.657	0.636	Pass	85.0
60	9Cl-PF3ONS	756426-58-1	4.16	530.8 / 351.1	5645950		20.005	0.325	0.326	Pass	107.0
61	9Cl-PF3ONS_2	756426-58-1	4.16	532.8 / 353.0	1837380		19.475	0.325	0.326	Pass	104.1
62	11Cl-PF3OUdS	763051-92-9	4.93	630.9 / 451.0	4940337		19.763	0.325	0.318	Pass	104.6
63	11Cl-PF3OUdS_2	763051-92-9	4.93	632.9 / 452.9	1606465		20.067	0.325	0.318	Pass	106.2
64	3:3FTCA	356-02-5	1.41	241.1 / 177.1	285919		24.262	1.077	1.068	Pass	97.1
65	3:3FTCA_2	356-02-5	1.41	241.1 / 117.0	307824		24.370	1.077	1.068	Pass	97.5
66	5:3FTCA	914637-49-3	2.96	341.1 / 237.1	5286760		117.791	1.044	1.045	Pass	94.2
67	5:3FTCA_2	914637-49-3	2.96	341.1 / 217.0	5519956		120.284	1.044	1.045	Pass	96.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	3.99	441.1 / 316.9	4618530		122.319	1.388	1.285	Pass	97.9
69	7:3FTCA_2	812-70-4	3.99	441.1 / 337.1	6412669		130.946	1.388	1.285	Pass	104.8
70	PFEESA	113507-82-7	2.12	315.1 / 135.0	4359009		8.852	0.078	0.081	Pass	99.2
71	PFEESA_2	113507-82-7	2.12	315.1 / 82.9	341906		8.555	0.078	0.081	Pass	95.9
72	PFMPA	377-73-1	0.67	229.0 / 85.0	1580666		9.054	N/A	N/A	N/A	90.5
73	PFMBA	863090-89-5	1.32	279.0 / 85.0	1676096		9.013	N/A	N/A	N/A	90.1
74	NFDHA	151772-58-6	1.75	295.0 / 201.0	1193247		11.535	0.722	0.681	Pass	115.4
75	NFDHA_2	151772-58-6	1.74	295.0 / 84.9	860934		11.555	0.722	0.681	Pass	115.6
76	TDCA	516-50-7	2.59	499.1 / 124.1	3119835		12.066	5.188	5.357	Pass	120.7
77	TDCA_2	516-50-7	2.59	499.1 / 79.9	16185461		11.827	5.188	5.357	Pass	118.3
78	13C2D4-4:2FTS	Surr	1.60	333.2 / 312.1	119367		5.502	N/A	N/A	N/A	110.0
79	13C2-PFOA	Surr	2.88	415.0 / 370.0	344410		2.433	N/A	N/A	N/A	97.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.53	217.0 / 172.0	1972674		9.892	NA	NA	NA	98.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.04	268.0 / 223.0	834475		5.327	NA	NA	NA	106.5
	13C5-PFHxA	EIS	1.82	318.0 / 273.0	373196		2.258	NA	NA	NA	90.3
	13C4-PFHpA	EIS	2.40	367.0 / 322.0	334420		2.424	NA	NA	NA	97.0
	13C8-PFOA	EIS	2.88	420.8 / 376.0	681673		2.733	NA	NA	NA	109.3
	13C9-PFNA	EIS	3.32	472.0 / 427.0	266677		1.175	NA	NA	NA	94.0
	13C6-PFDA	EIS	3.73	519.0 / 474.0	310249		1.274	NA	NA	NA	102.0
	13C7-PFUnA	EIS	4.13	570.0 / 525.0	307374		1.137	NA	NA	NA	91.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.51	615.1 / 570.0	327750		1.135	NA	NA	NA	90.8
	13C2-PFTeDA	EIS	5.24	715.1 / 670.1	241588		1.127	NA	NA	NA	90.2
	13C3-PFBS	EIS	1.80	302.1 / 80.1	416138		2.759	NA	NA	NA	118.4
	13C3-PFHxS	EIS	2.98	402.1 / 80.1	345061		2.582	NA	NA	NA	108.9
	13C8-PFOS	EIS	3.87	507.1 / 80.1	355930		2.487	NA	NA	NA	103.6
	13C2-4:2FTS	EIS	1.61	329.1 / 81.1	109397		5.220	NA	NA	NA	111.3
	13C2-6:2FTS	EIS	2.71	429.2 / 81.1	93208		5.010	NA	NA	NA	105.3
	13C2-8:2FTS	EIS	3.56	529.2 / 81.1	89833		4.080	NA	NA	NA	85.0

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C8-PFOSA	EIS	5.18	506.1 / 78.1	647596		2.665	NA	NA	NA	106.6
d3-NMeFOSA	EIS	5.91	515.2 / 219.0	99068		2.490	NA	NA	NA	99.6
d5-NEtFOSA	EIS	6.20	531.2 / 219.0	93268		2.583	NA	NA	NA	103.3
d3-NMeFOSAA	EIS	3.87	573.2 / 419.1	131215		5.311	NA	NA	NA	106.2
d5-NEtFOSAA	EIS	4.09	589.3 / 419.1	97993		4.024	NA	NA	NA	80.5
d7-NMeFOSE	EIS	5.76	623.2 / 58.9	705348		27.366	NA	NA	NA	109.5
d9-NEtFOSE	EIS	6.06	639.2 / 58.9	971734		28.017	NA	NA	NA	112.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.03	287.0 / 169.0	1518080		9.405	NA	NA	NA	94.0
	13C3-PFBA	NIS	0.53	216.0 / 172.0	869327		6.855	NA	NA	NA	137.1
	13C2-PFHxA	NIS	1.82	315.0 / 270.0	458563		3.079	NA	NA	NA	123.2
	13C4-PFOA	NIS	2.88	417.0 / 372.0	397687		2.759	NA	NA	NA	110.3
	13C5-PFNA	NIS	3.32	468.0 / 423.0	282523		1.383	NA	NA	NA	110.7
	13C2-PFDA	NIS	3.73	515.1 / 470.1	288983		1.370	NA	NA	NA	109.6
	18O2-PFHxS	NIS	2.97	403.1 / 84.1	279056		2.392	NA	NA	NA	100.9
	13C4-PFOS	NIS	3.87	503.1 / 80.1	285069		2.271	NA	NA	NA	94.6

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	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec

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PFBA
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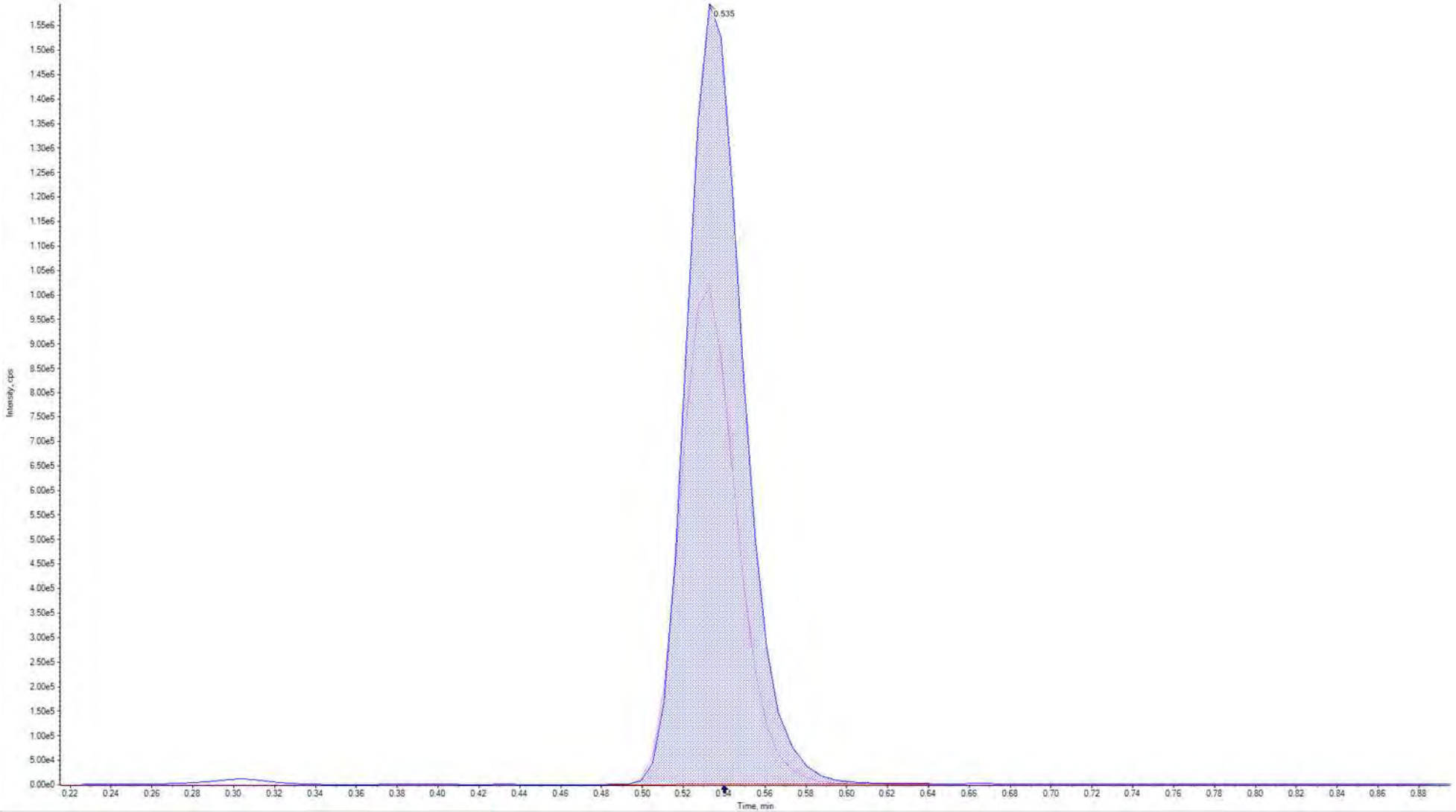

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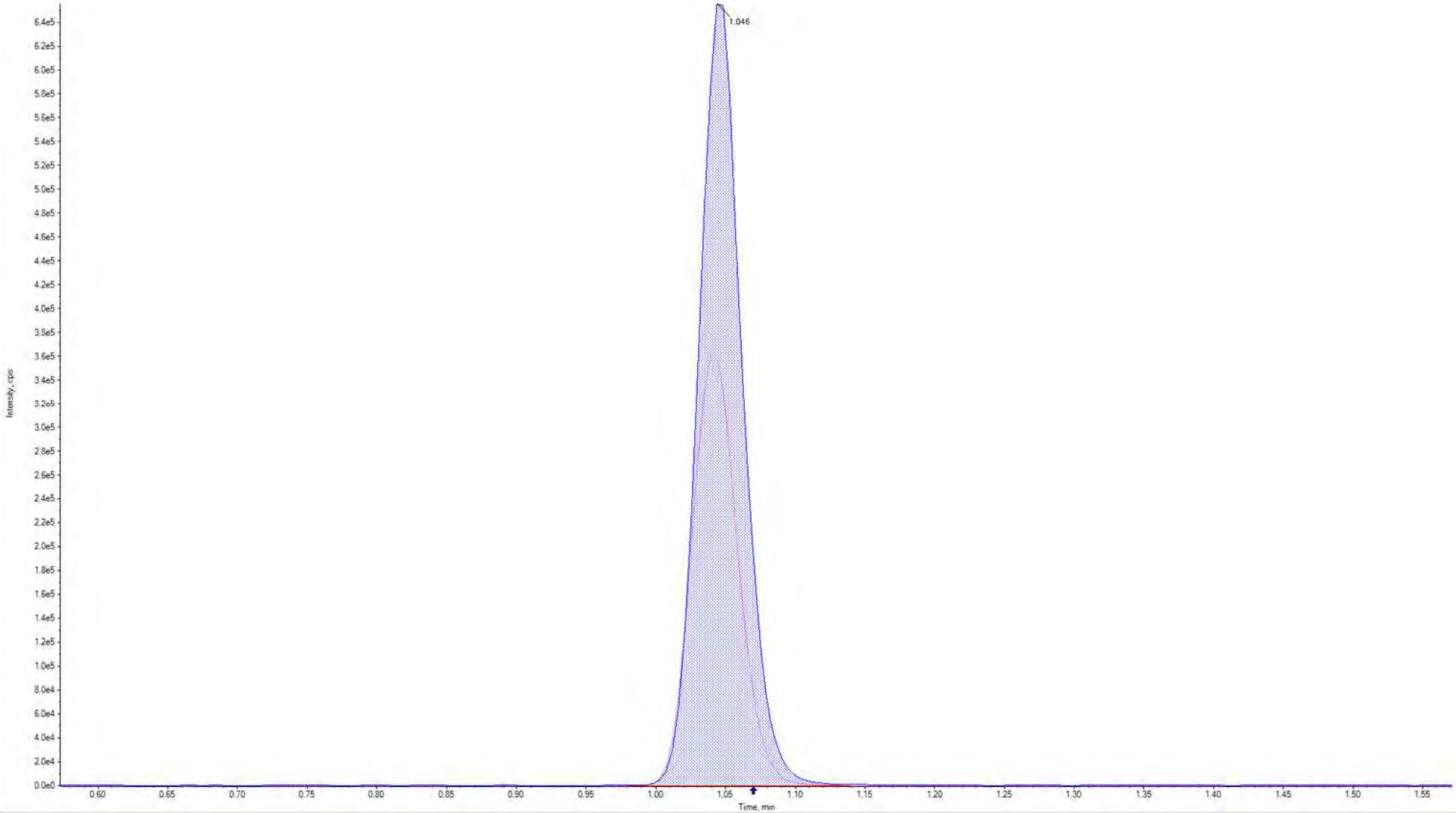
PFPeA
Sample: WG2013165-2,1633FMED S/N:4230.0 Points Across peak:42



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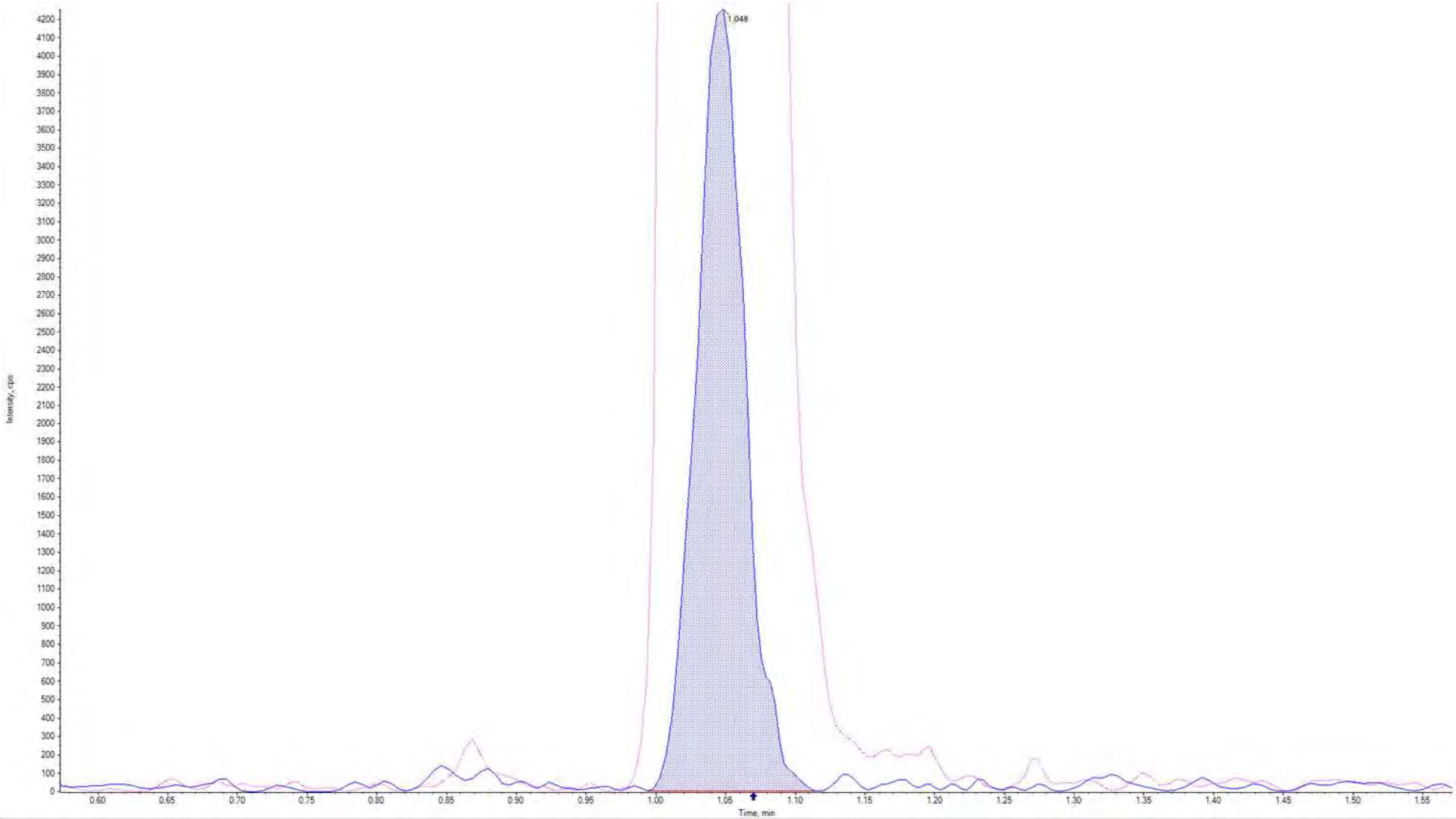
PFPeA_2
Sample: WG2013165-2,1633FMED S/N:255.8 Points Across peak:34



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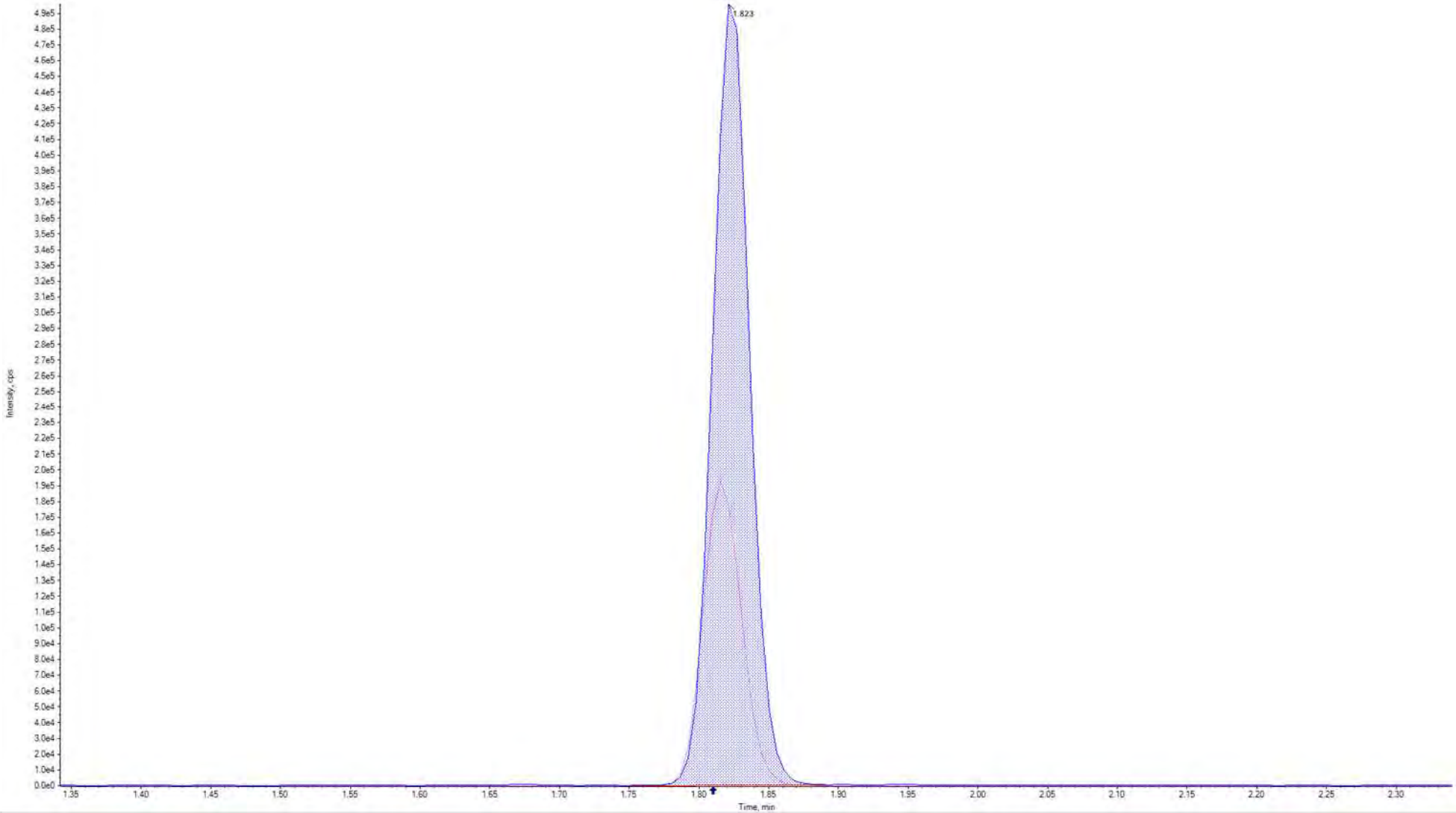
PFHxA
Sample: WG2013165-2,1633FMED S/N:3345.1 Points Across peak:27



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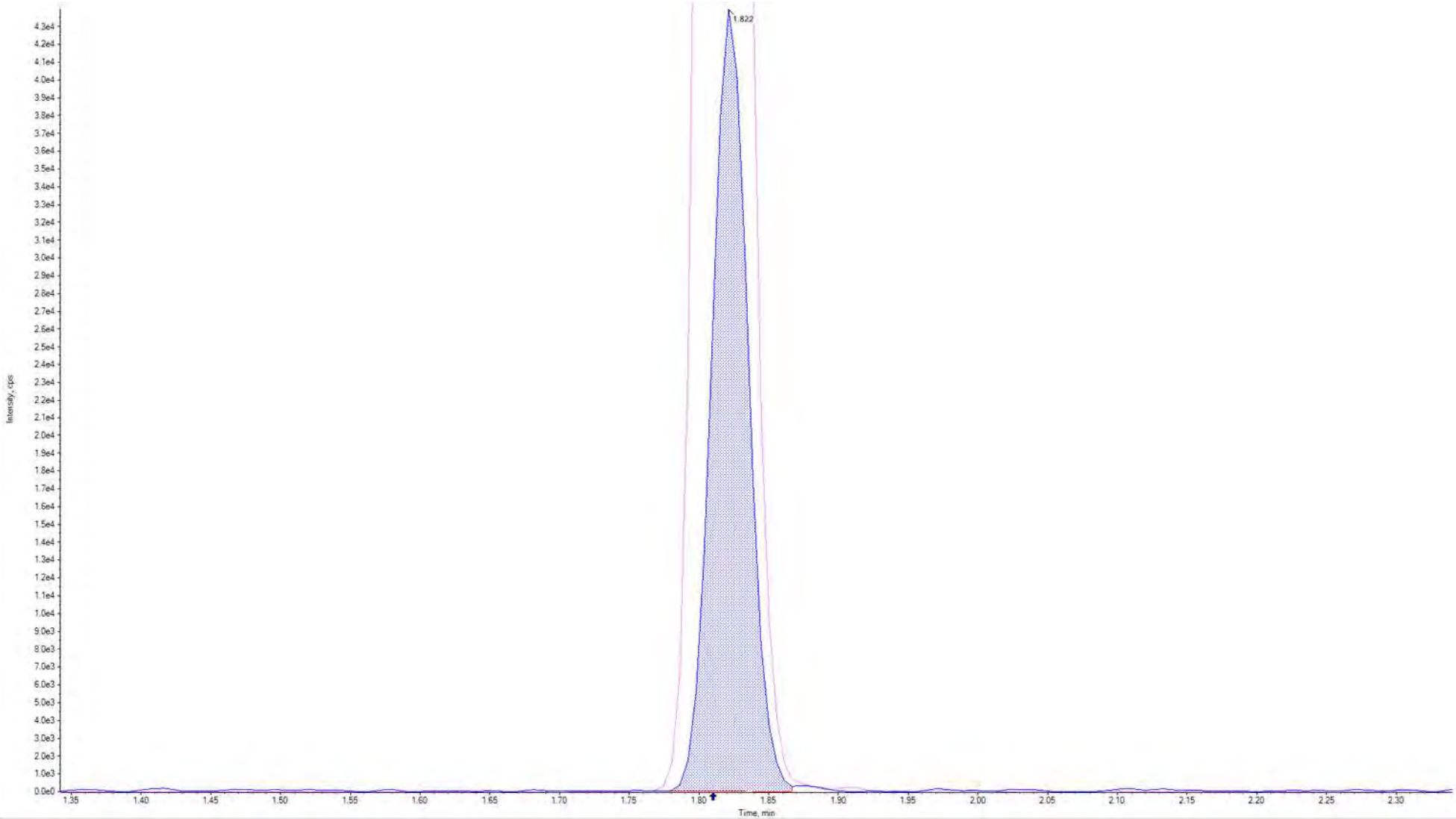
PFHxA_2
Sample: WG2013165-2,1633FMED S/N:1101.7 Points Across peak:17



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PFHpA
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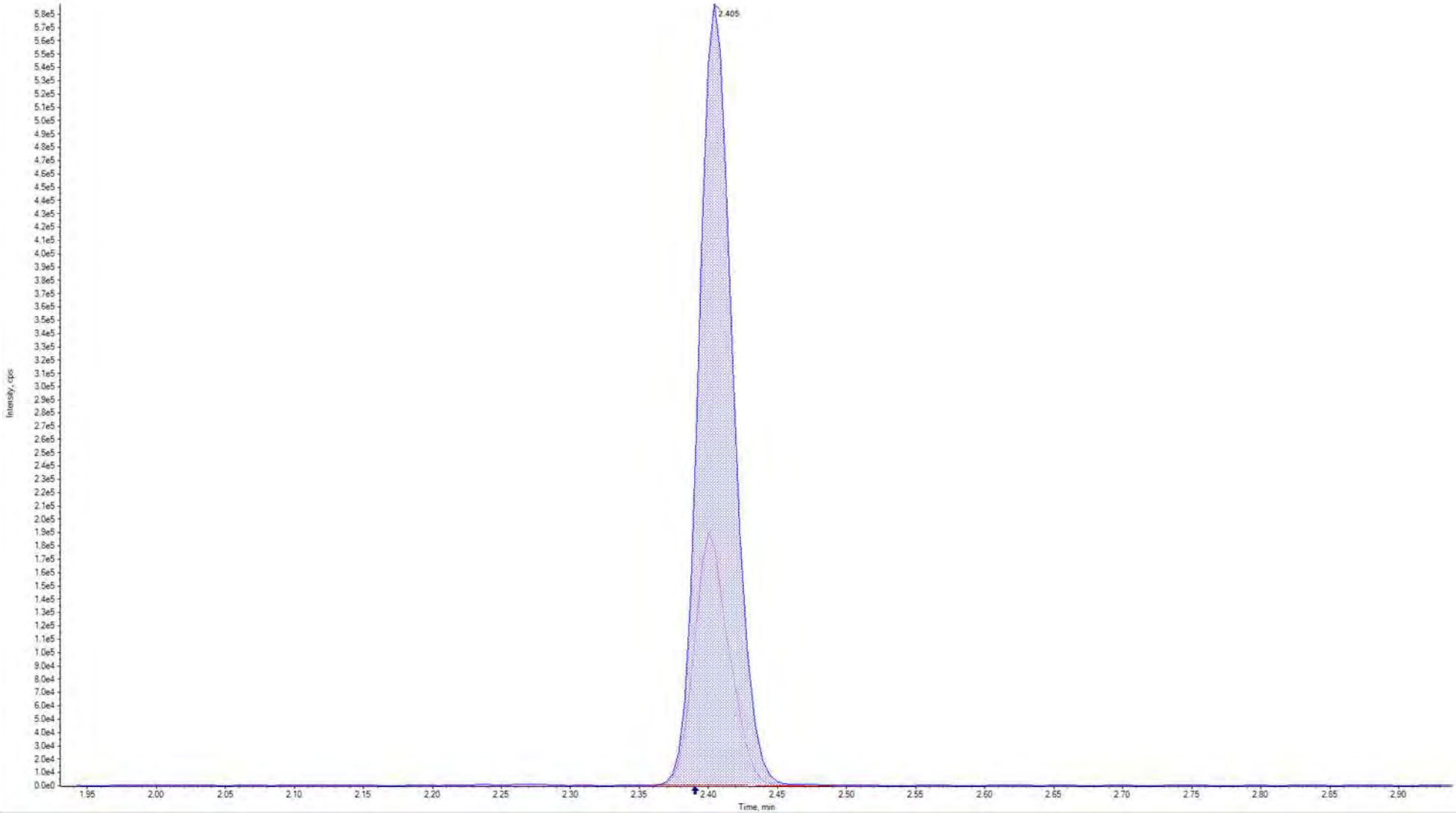

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Alpha Analytical LLC
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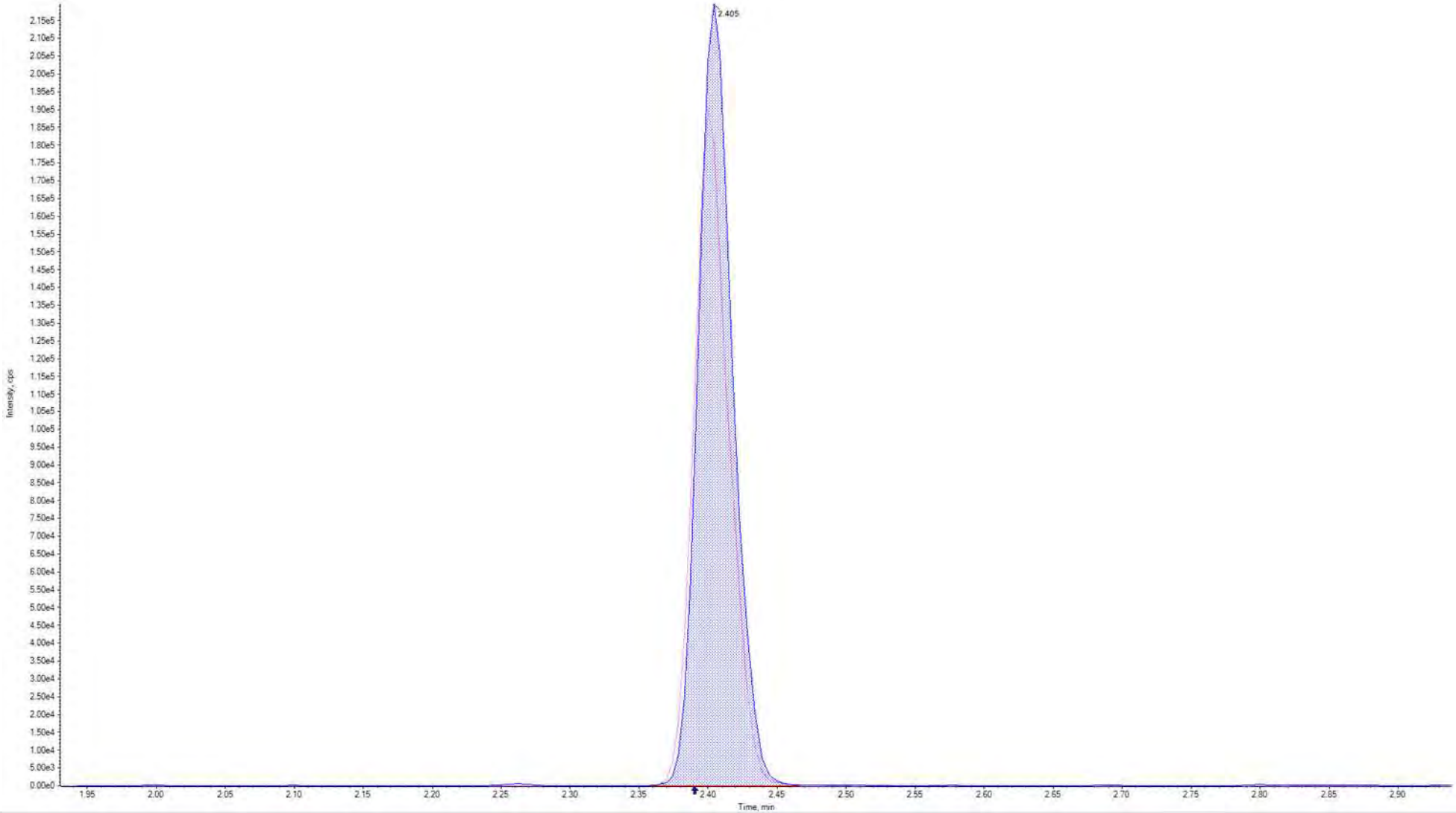
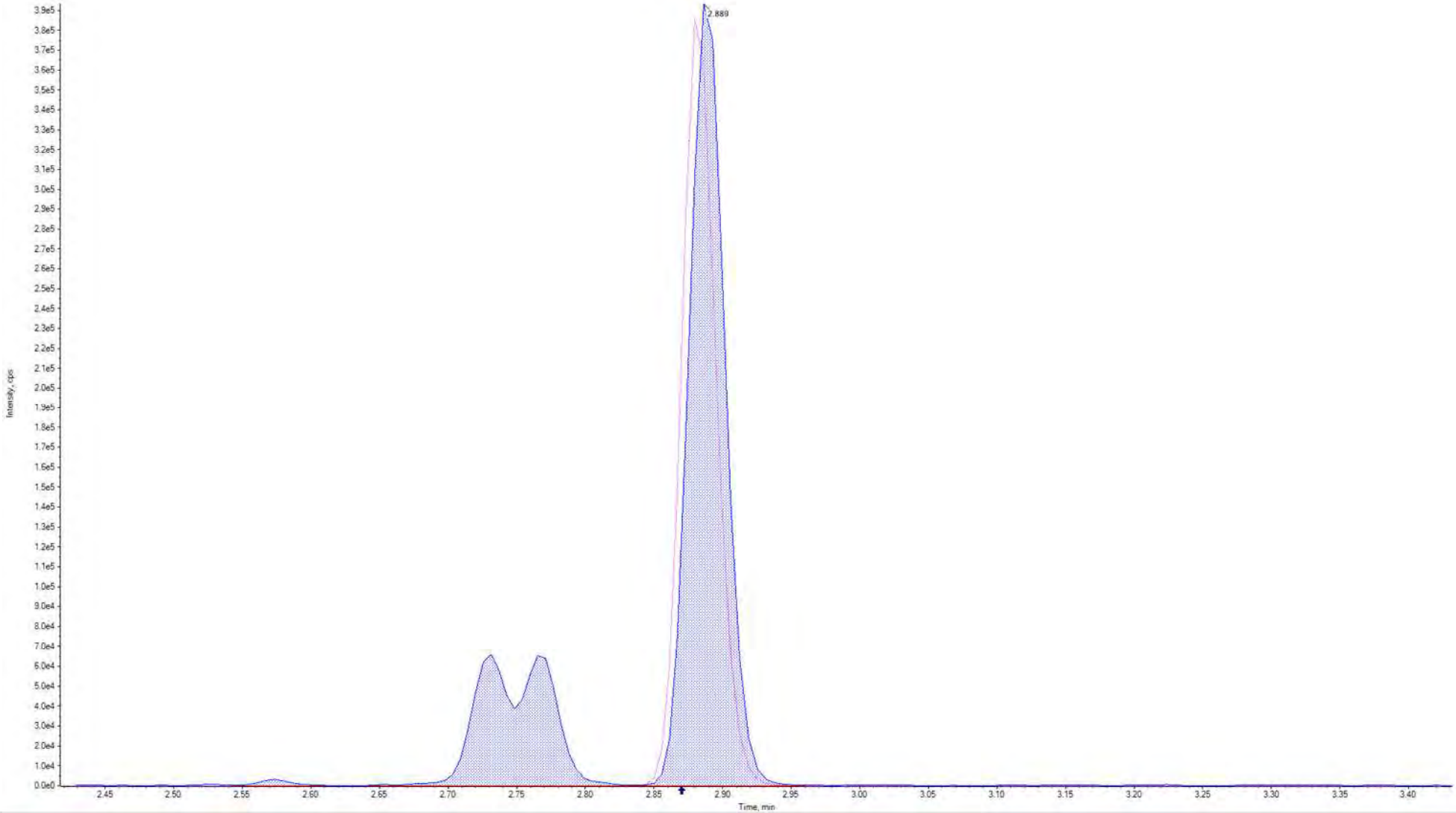
PFHpA_2
Sample: WG2013165-2,1633FMED S/N:4405.1 Points Across peak:26



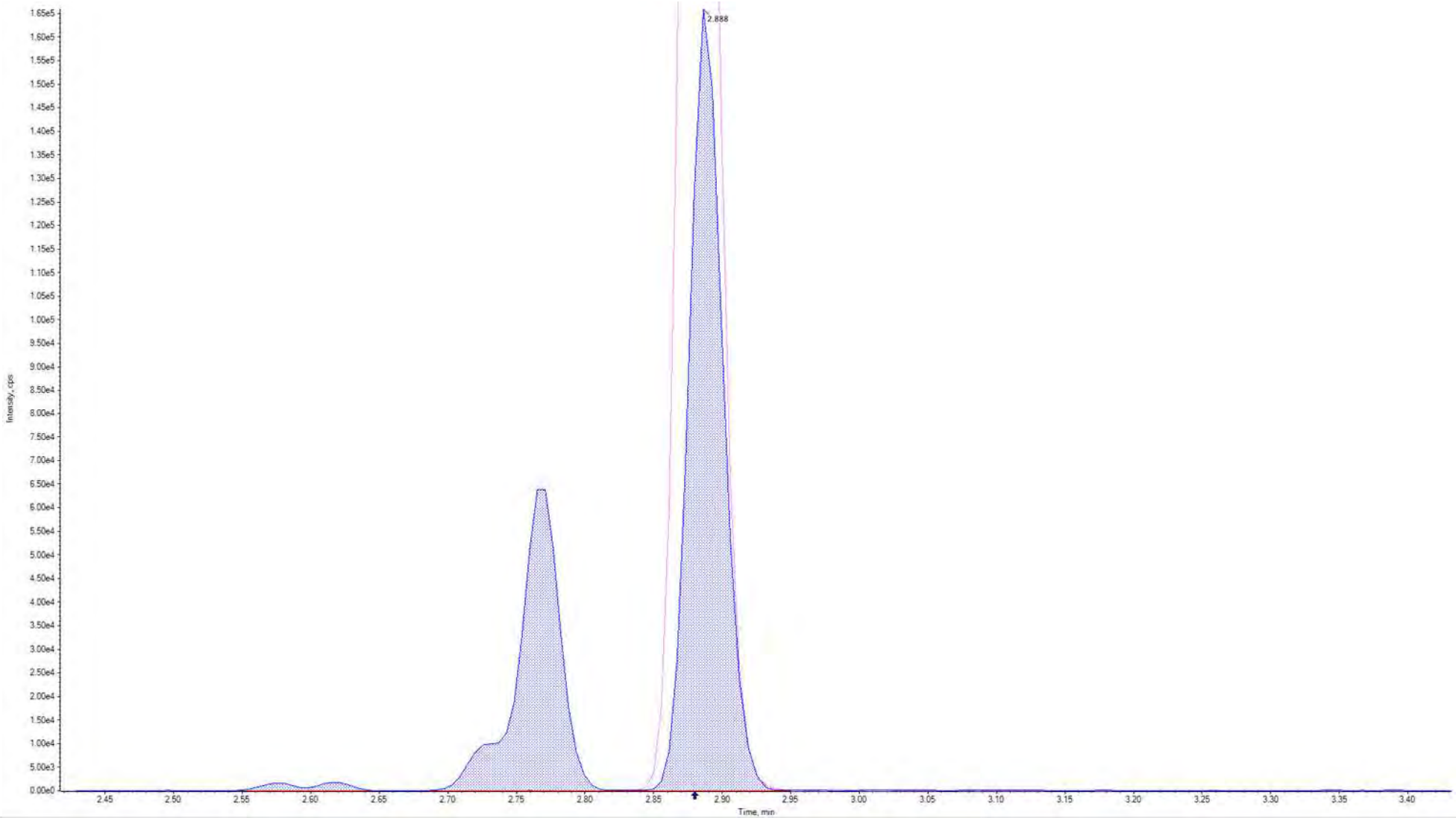
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFOA
Sample: WG2013165-2,1633FMED S/N:737.8 Points Across peak:72



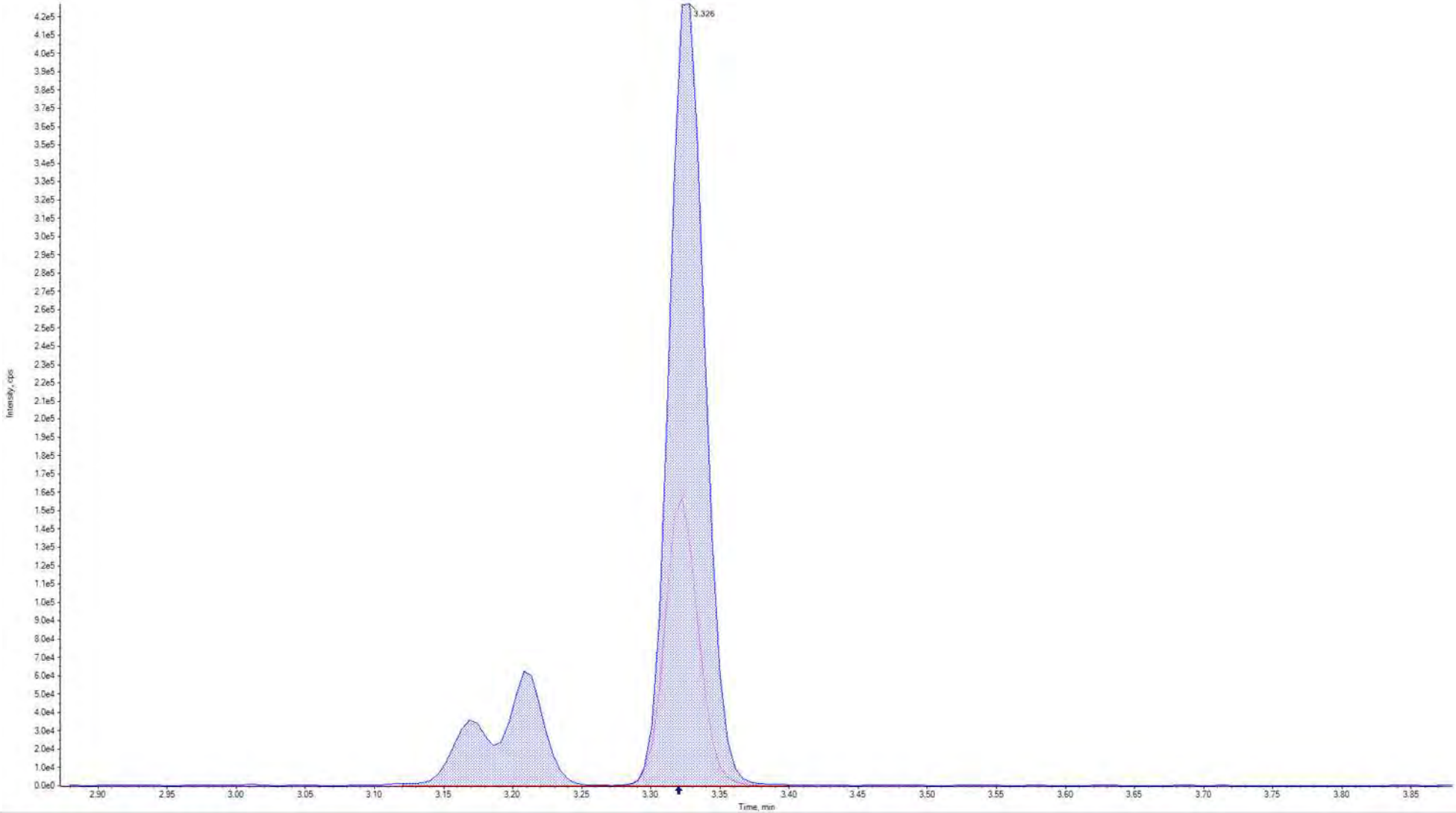
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFOA_2
Sample: WG2013165-2,1633FMED S/N:779.3 Points Across peak:71



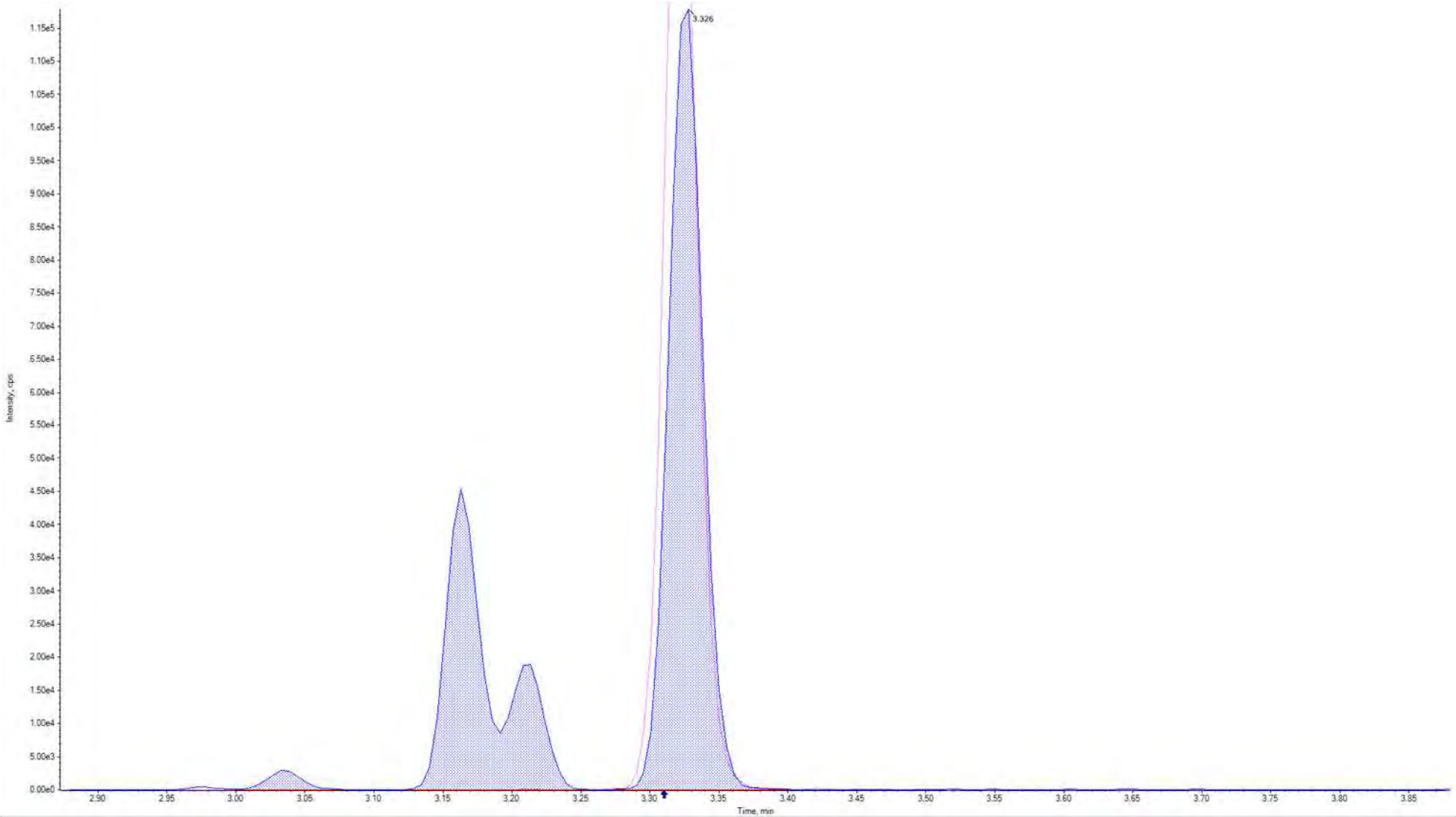
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFNA
Sample: WG2013165-2,1633FMED S/N:922.5 Points Across peak:55



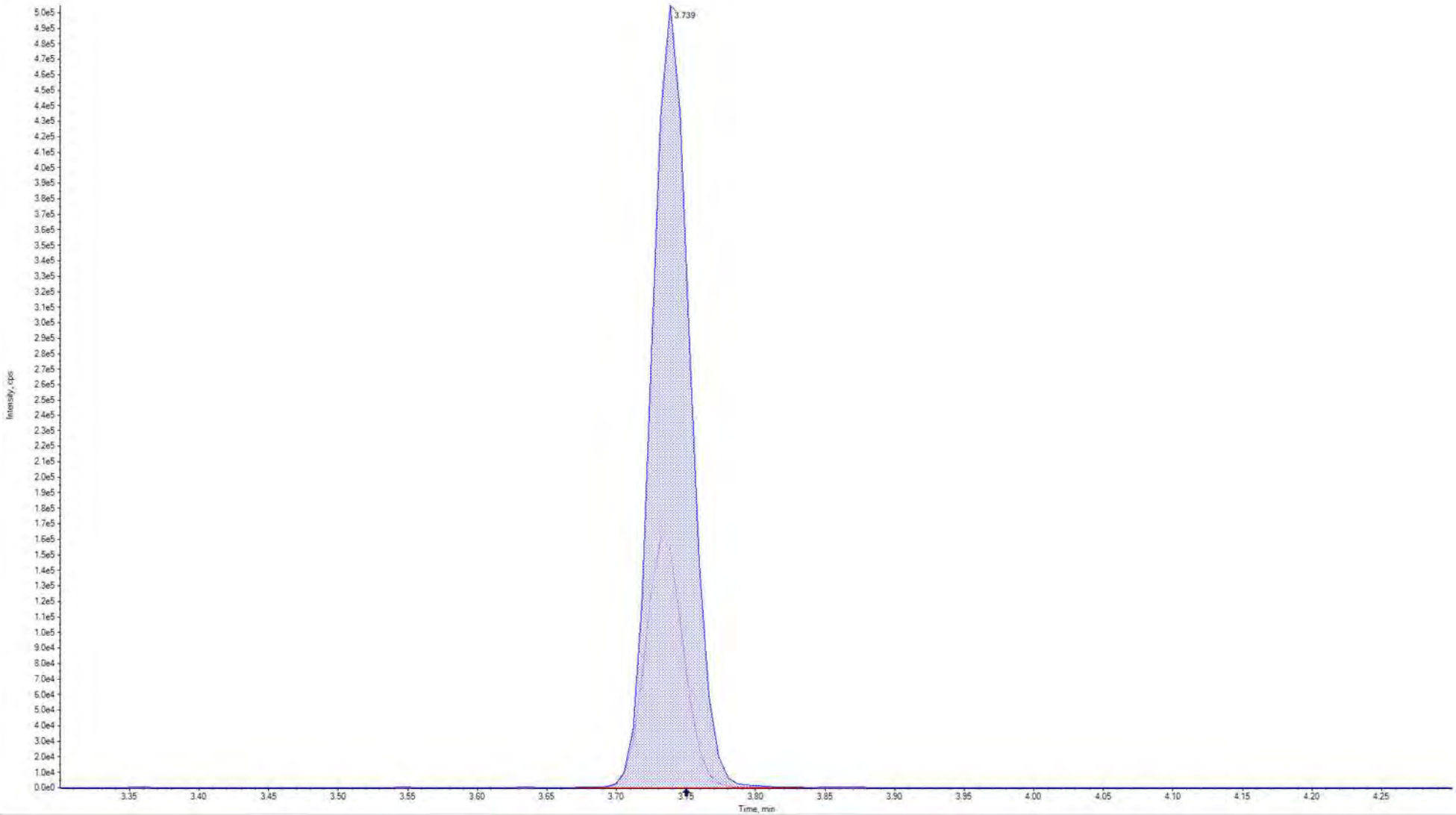
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFNA_2
Sample: WG2013165-2,1633FMED S/N:579.8 Points Across peak:77



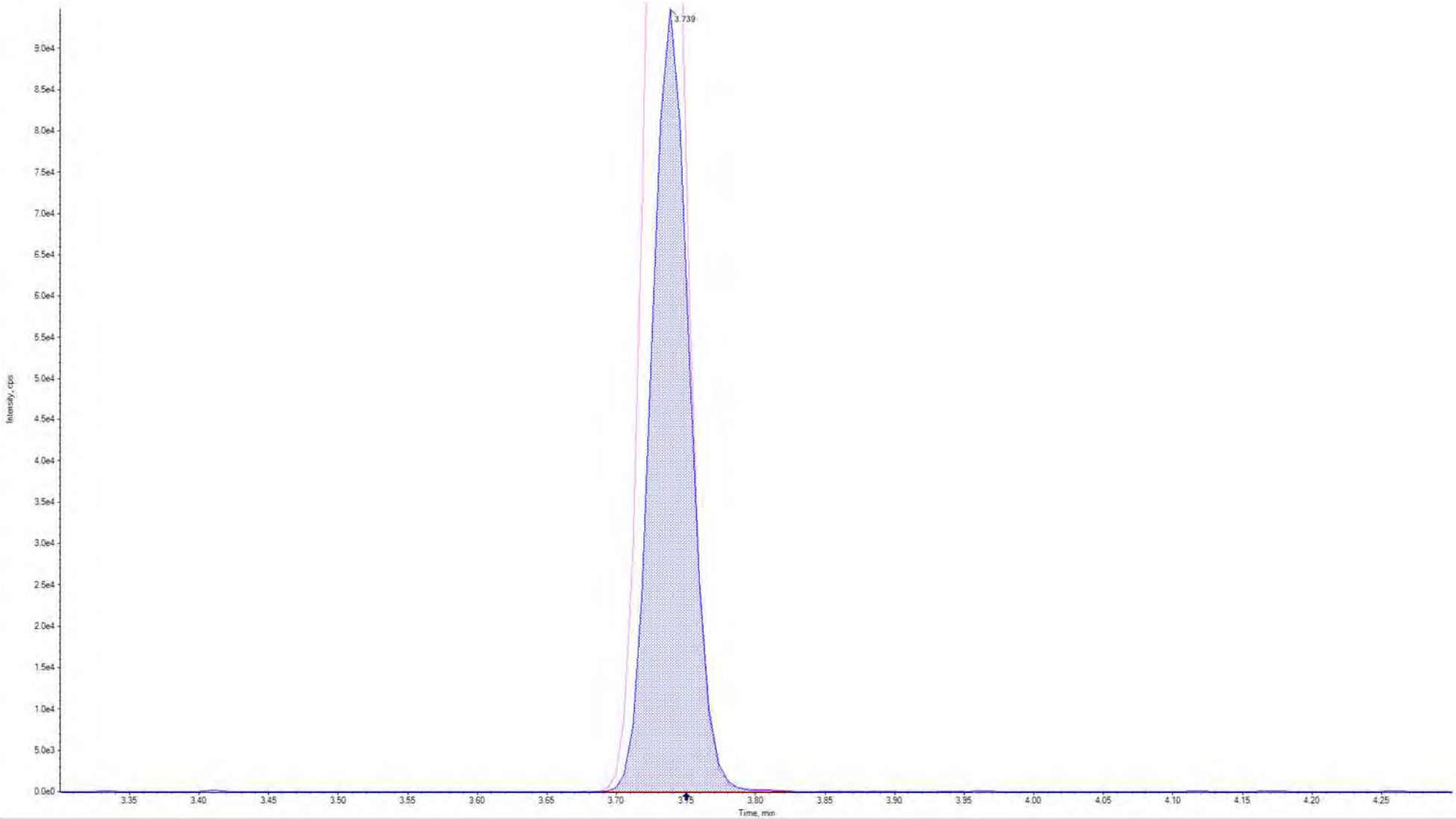
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFDA
Sample: WG2013165-2,1633FMED S/N:10119.4 Points Across peak:31



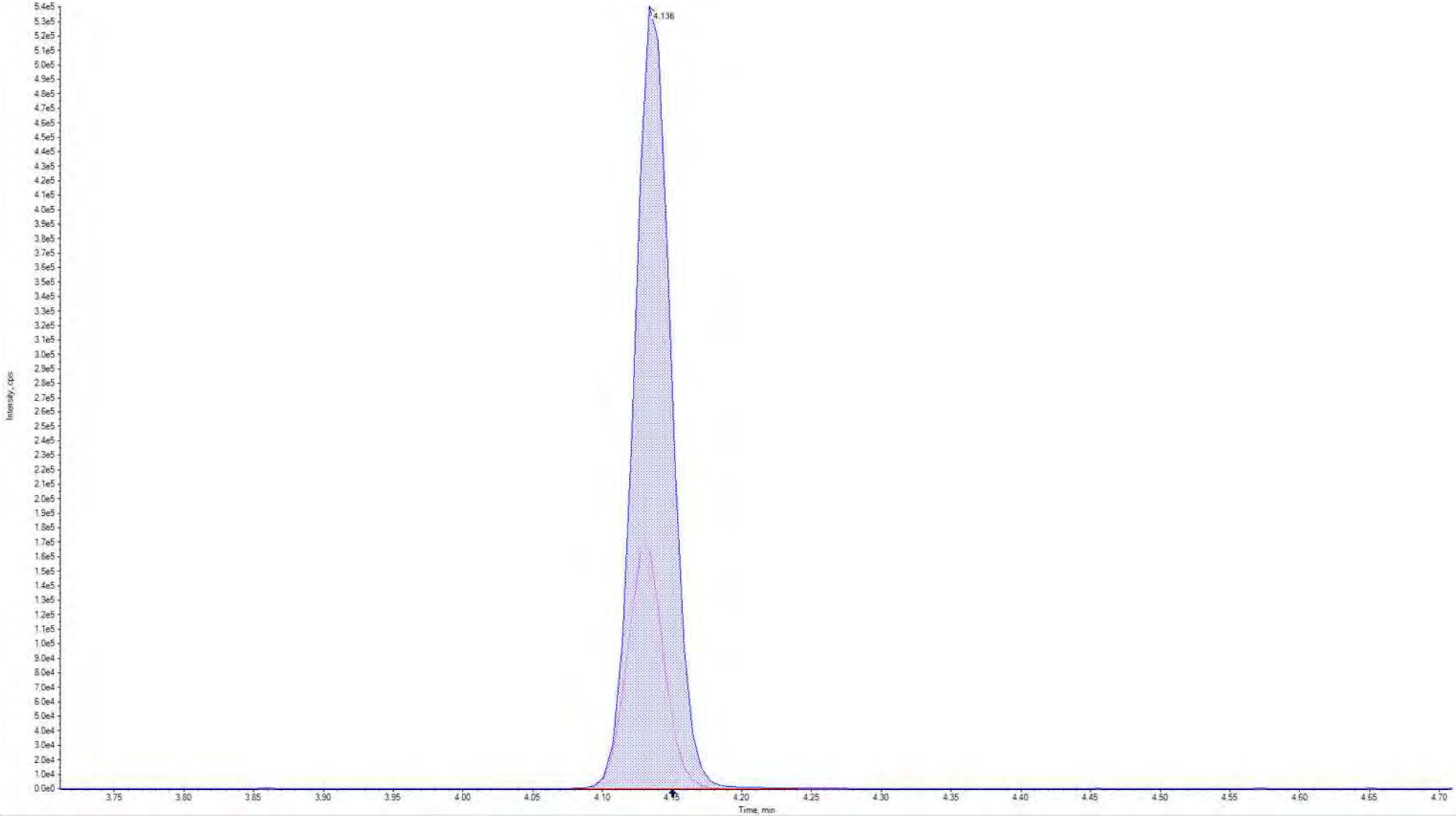
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFDA_2
Sample: WG2013165-2,1633FMED S/N:1899.5 Points Across peak:39



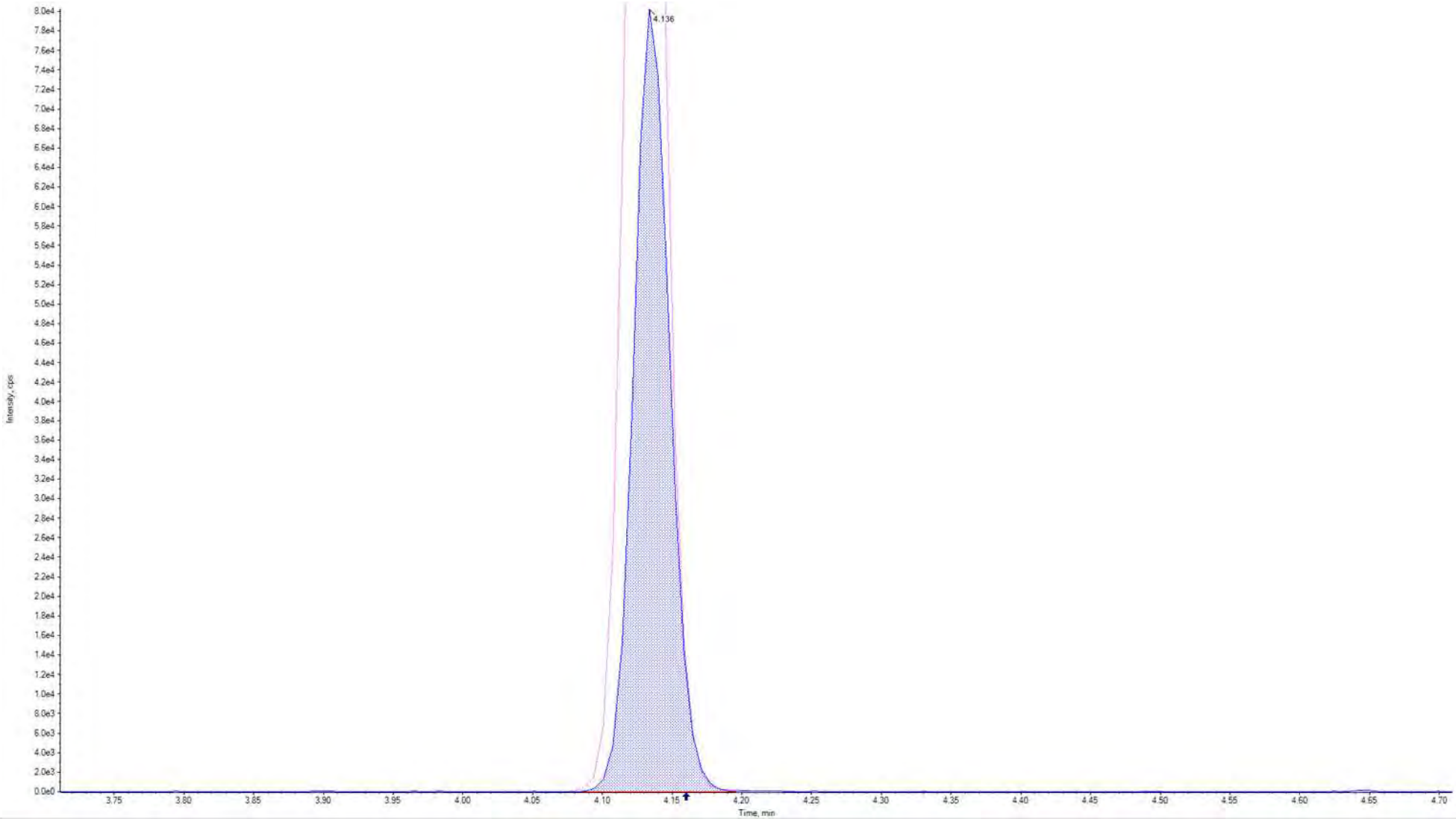
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFUnA
Sample: WG2013165-2,1633FMED S/N:12195.1 Points Across peak:30



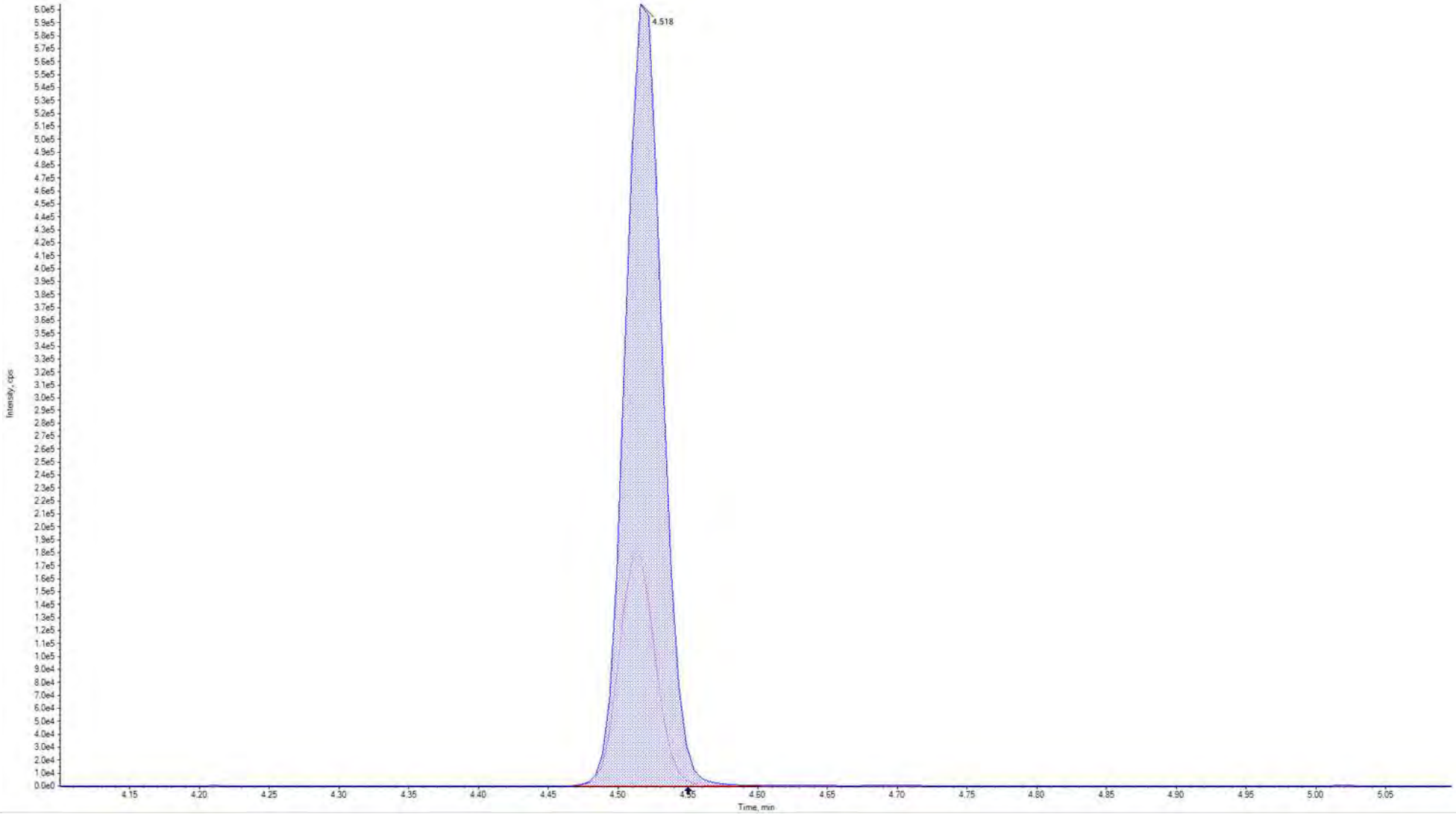
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFUnA_2
Sample: WG2013165-2,1633FMED S/N:1809.9 Points Across peak:21



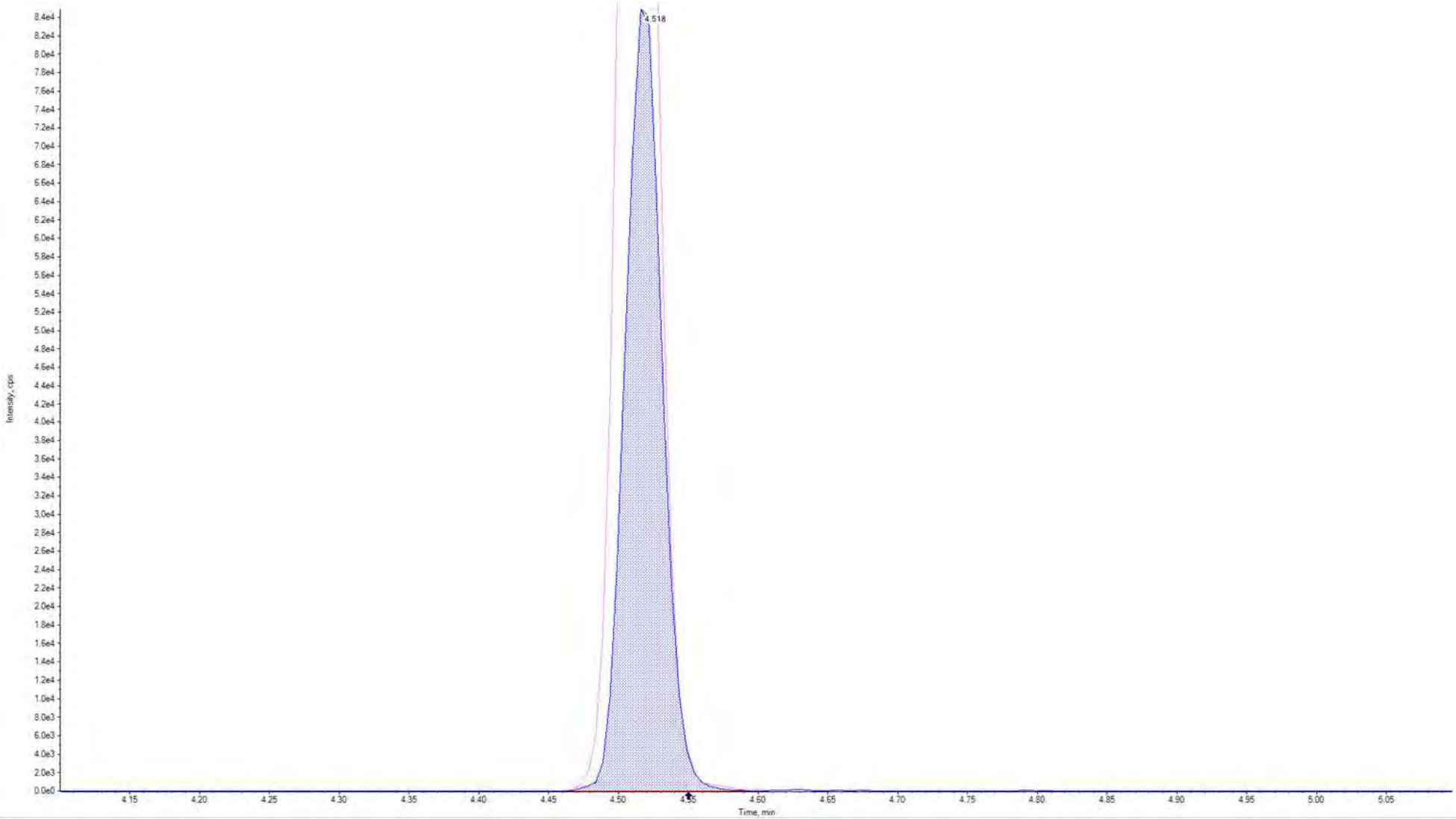
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFDoA
Sample: WG2013165-2,1633FMED S/N:16667.1 Points Across peak:28



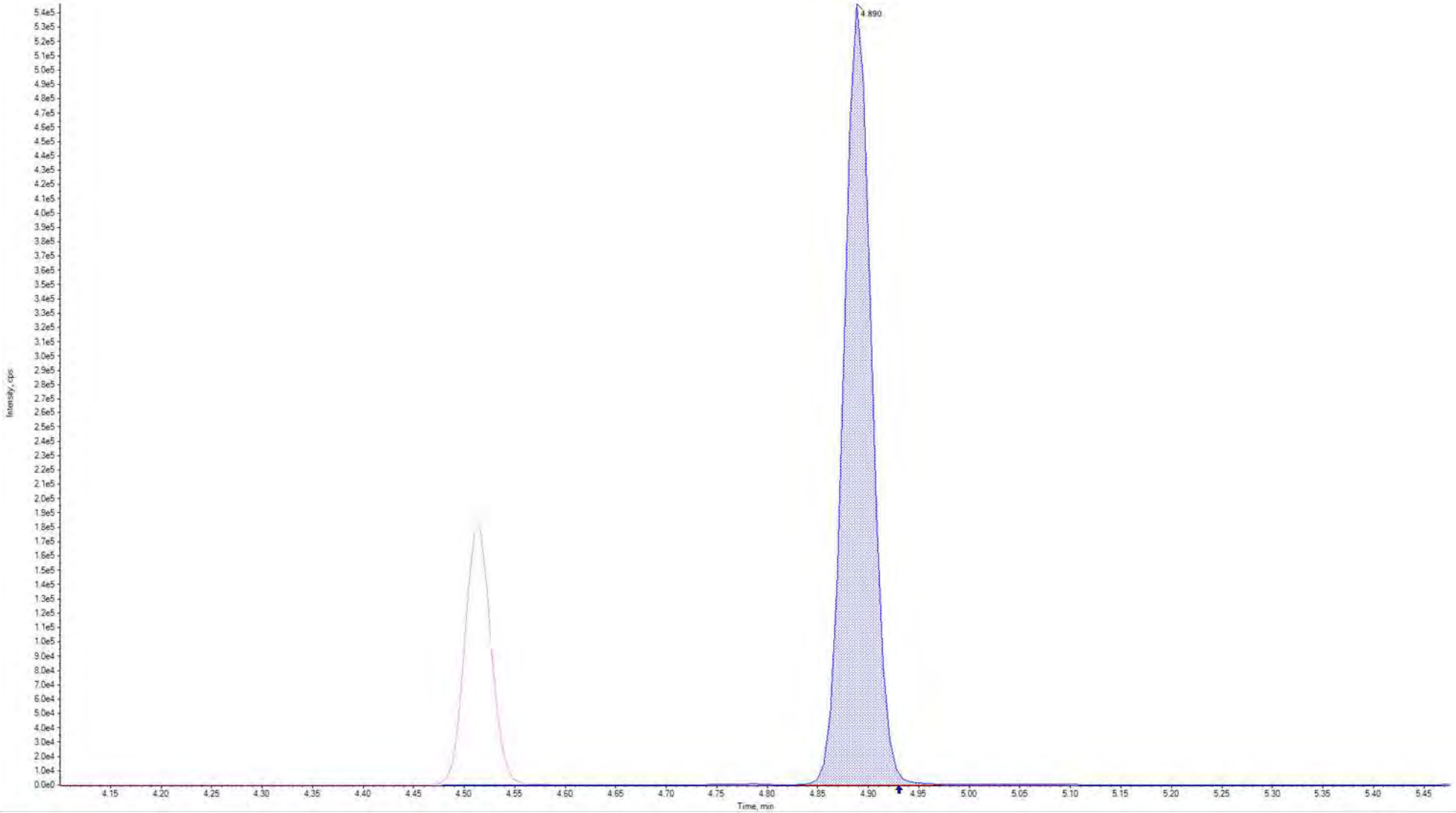
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFDoA_2
Sample: WG2013165-2,1633FMED S/N:2340.3 Points Across peak:29



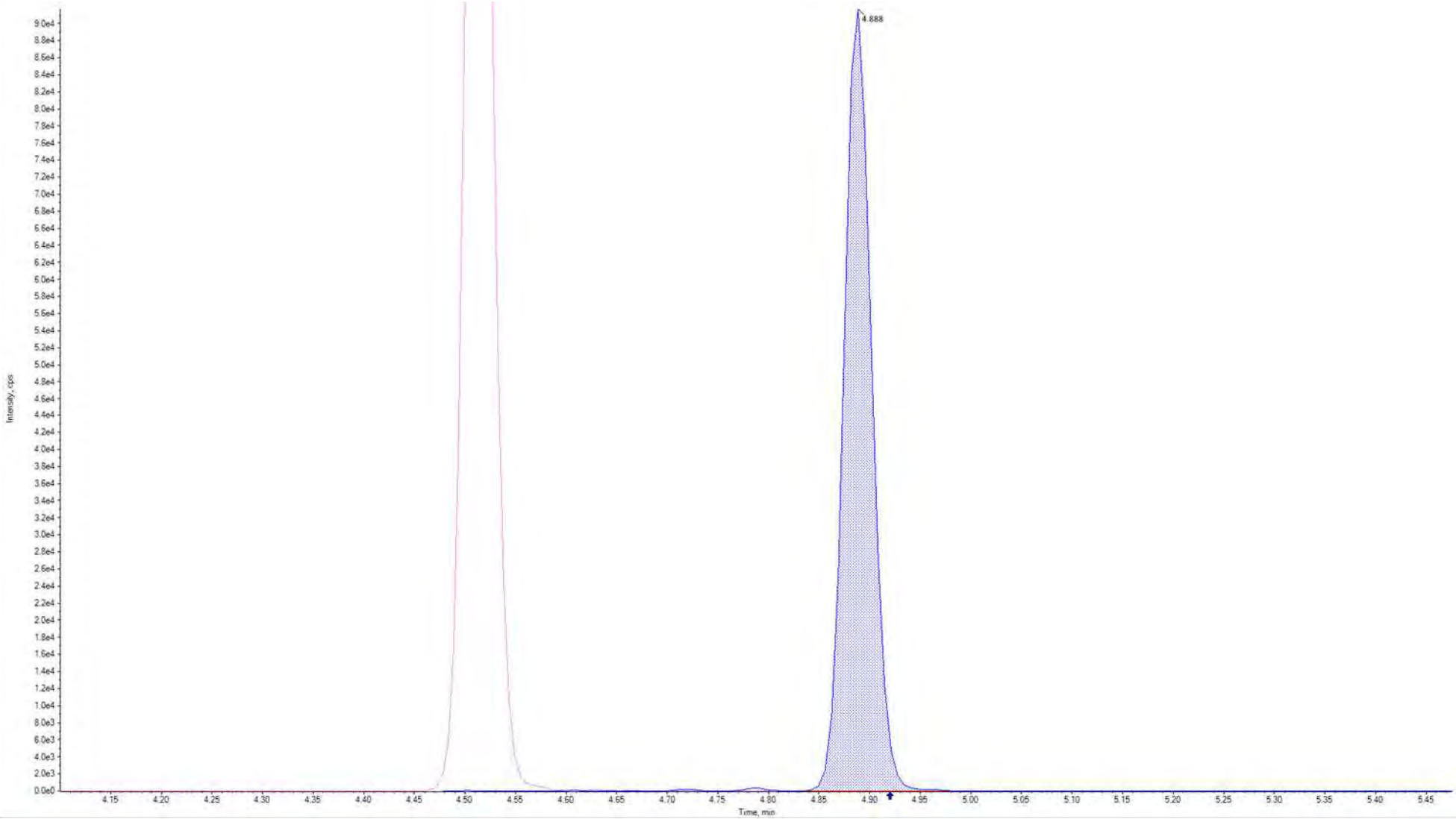
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFTrDA
Sample: WG2013165-2,1633FMED S/N:5233.4 Points Across peak:25



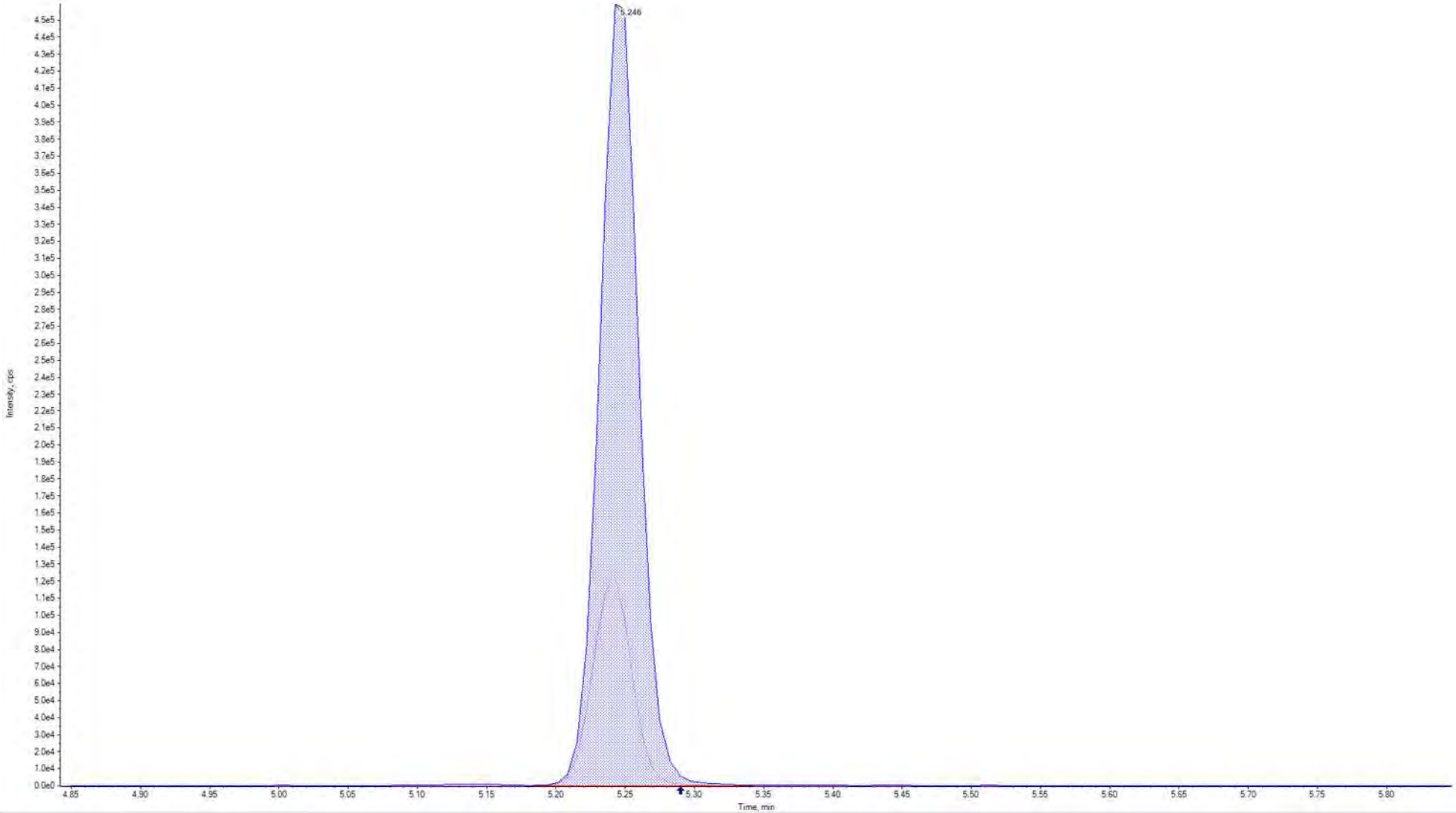
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFTrDA_2
Sample: WG2013165-2,1633FMED S/N:2935.9 Points Across peak:26



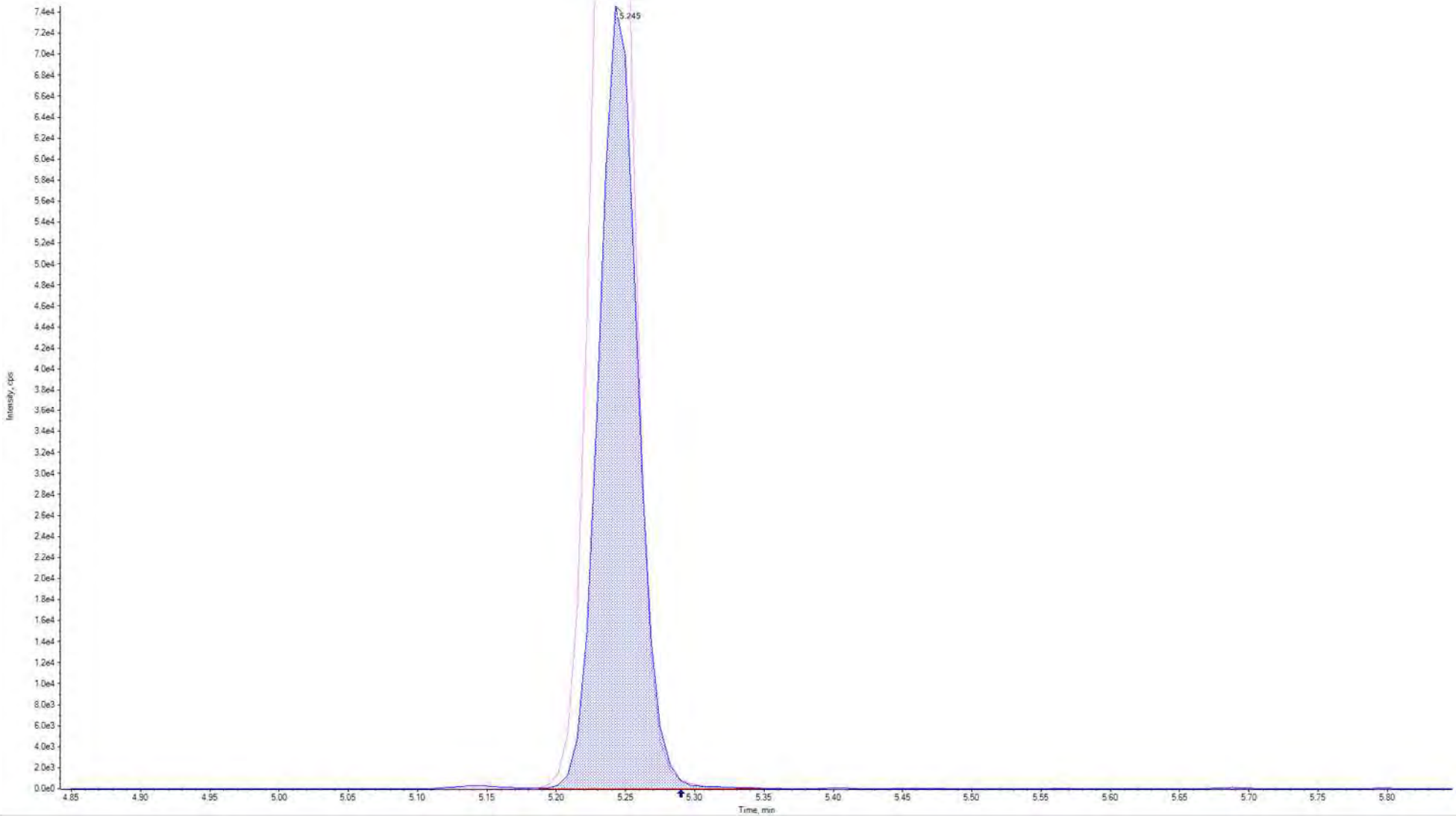
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFTeDA
Sample: WG2013165-2,1633FMED S/N:5785.9 Points Across peak:24



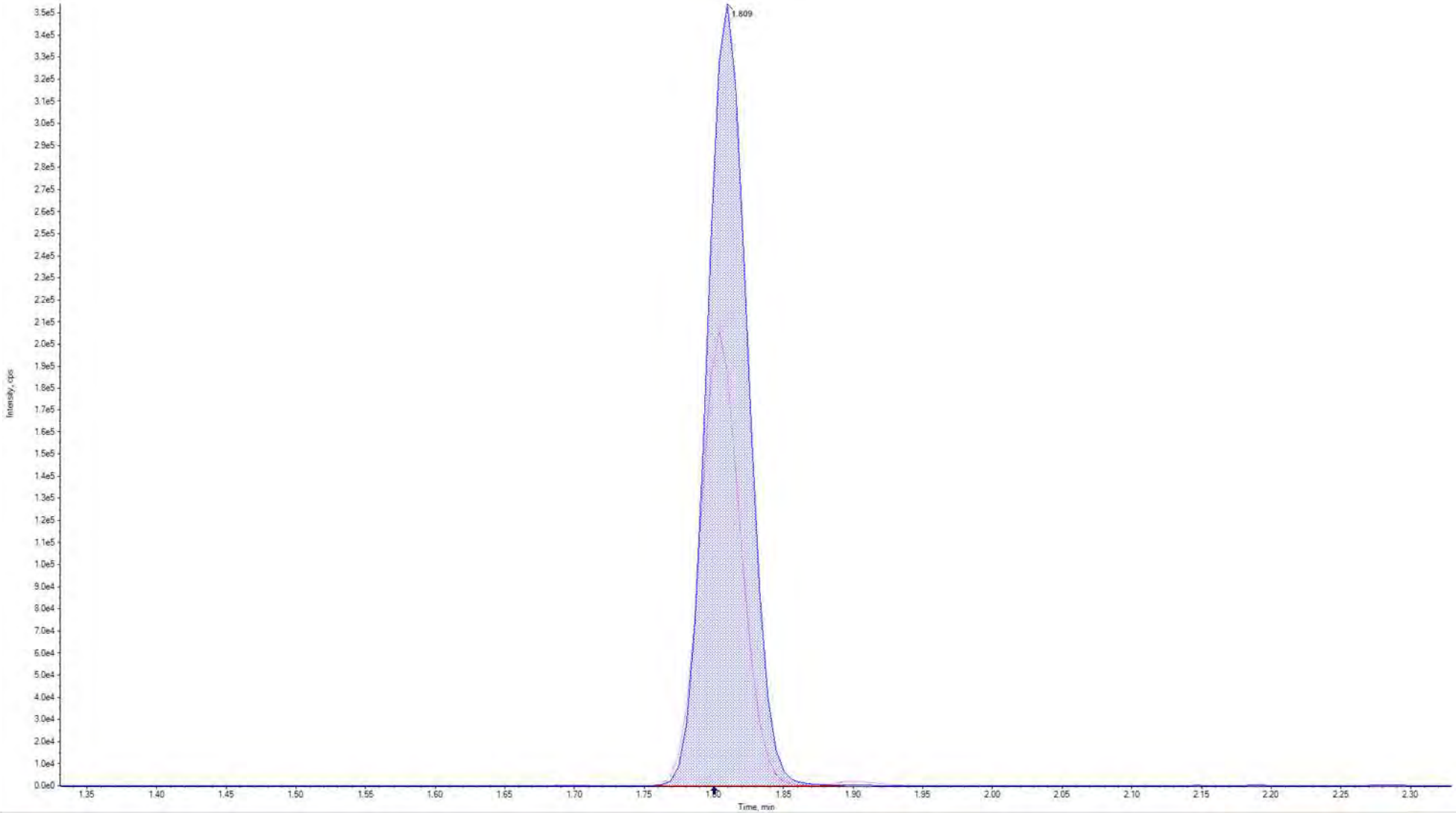
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFTeDA_2
Sample: WG2013165-2,1633FMED S/N:2449.8 Points Across peak:28



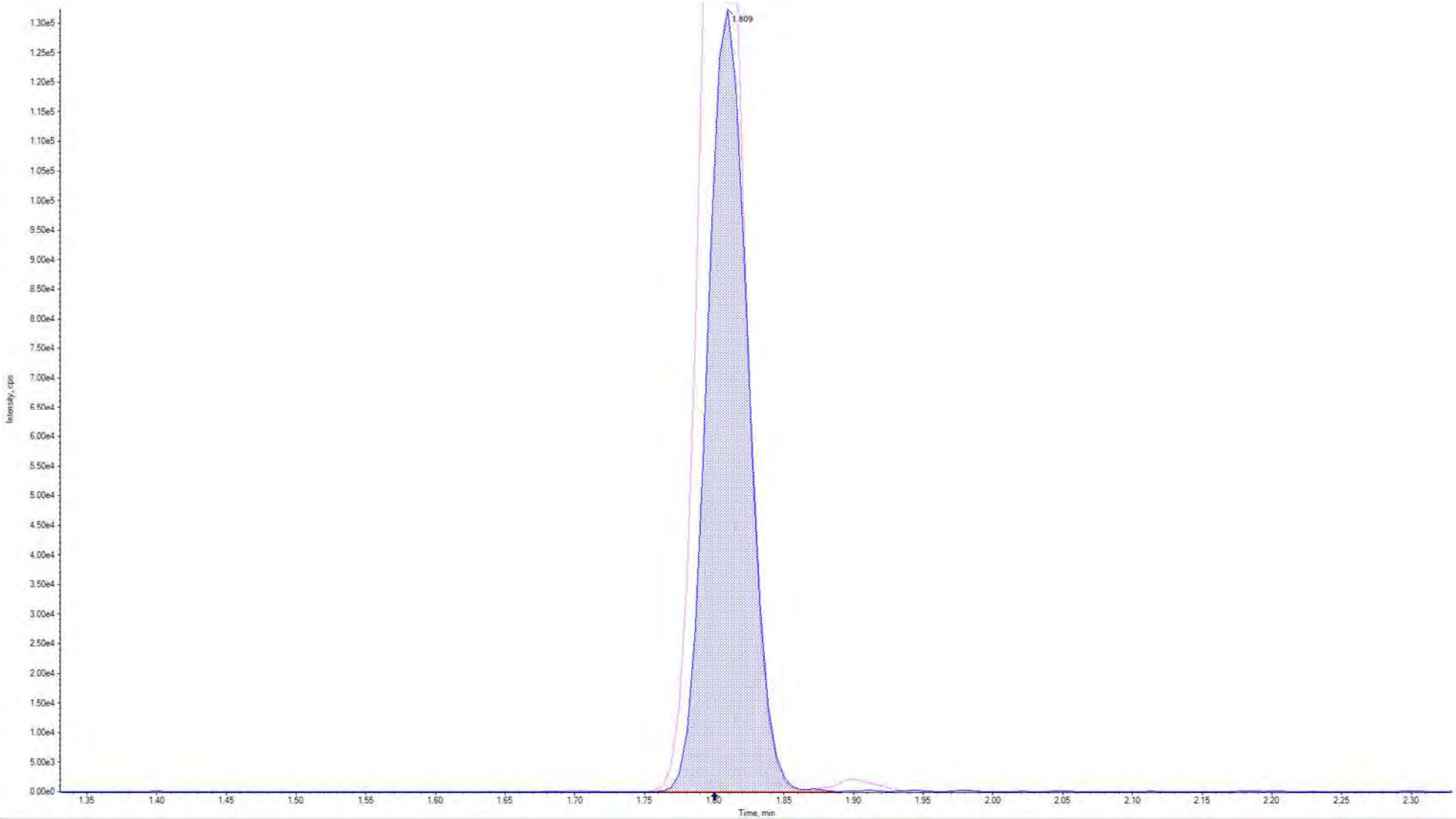
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFBS
Sample: WG2013165-2,1633FMED S/N:8872.8 Points Across peak:28



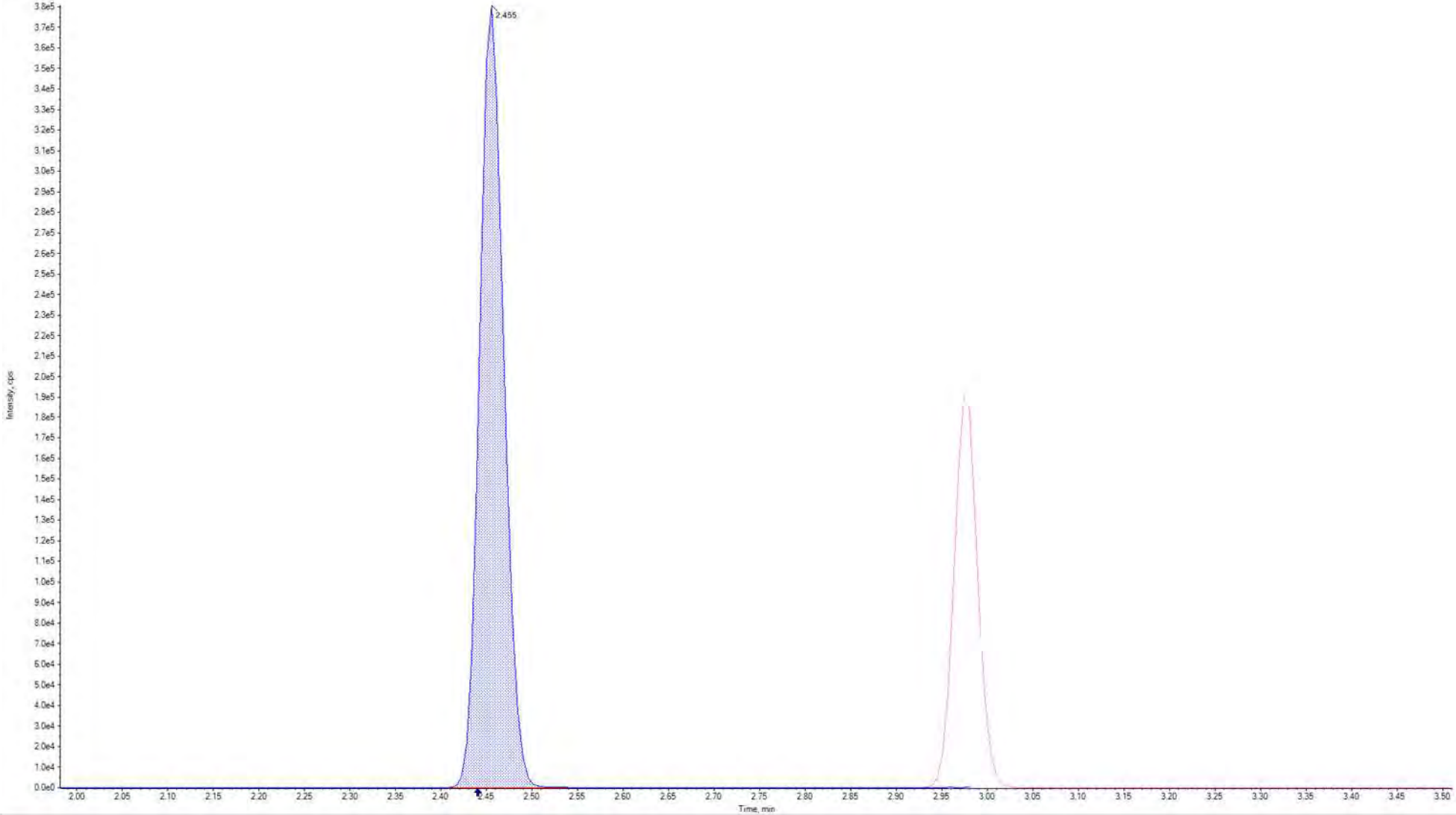
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFBS_2
Sample: WG2013165-2,1633FMED S/N:3317.8 Points Across peak:26



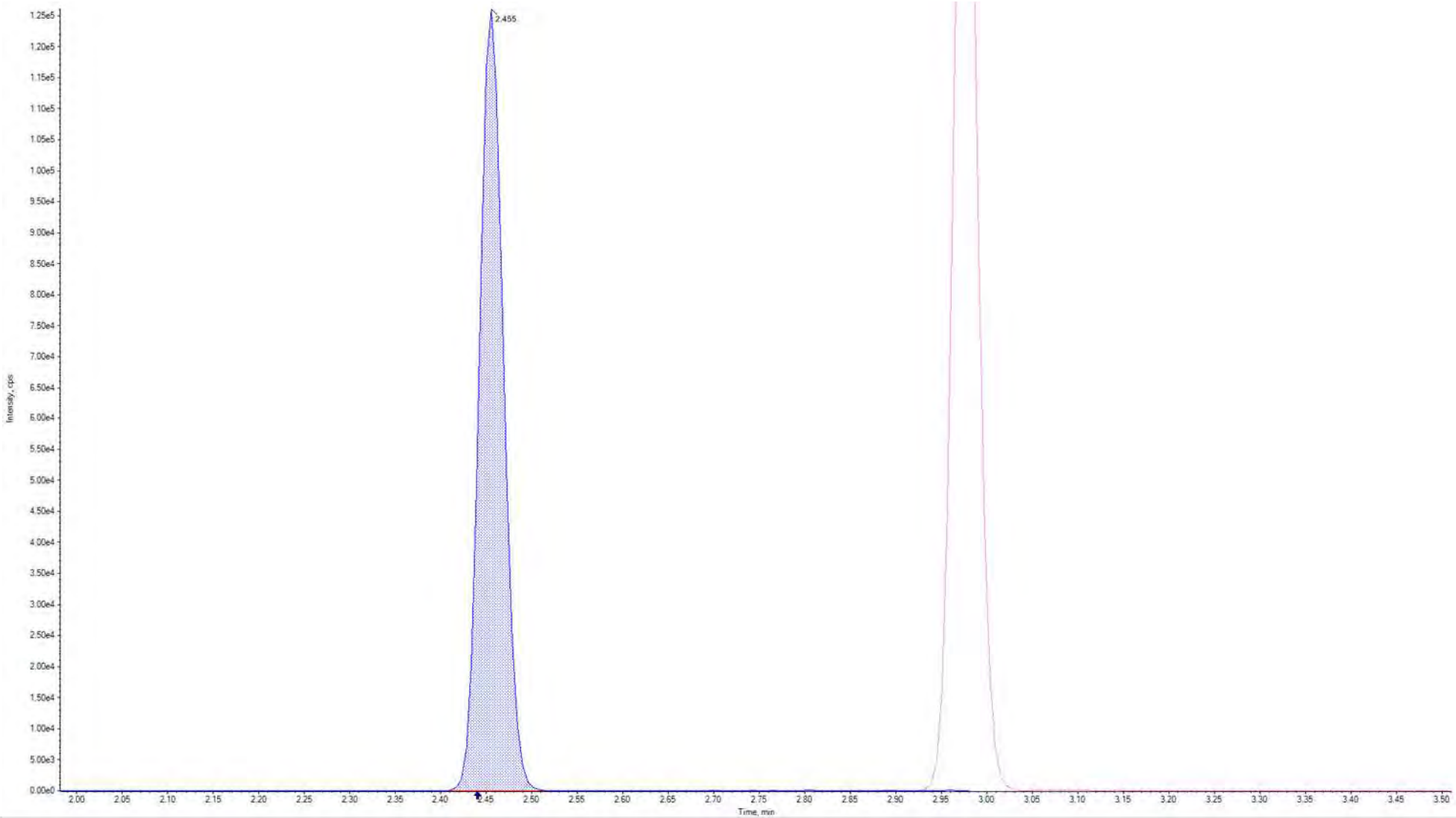
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFPeS
Sample: WG2013165-2,1633FMED S/N:4613.8 Points Across peak:28



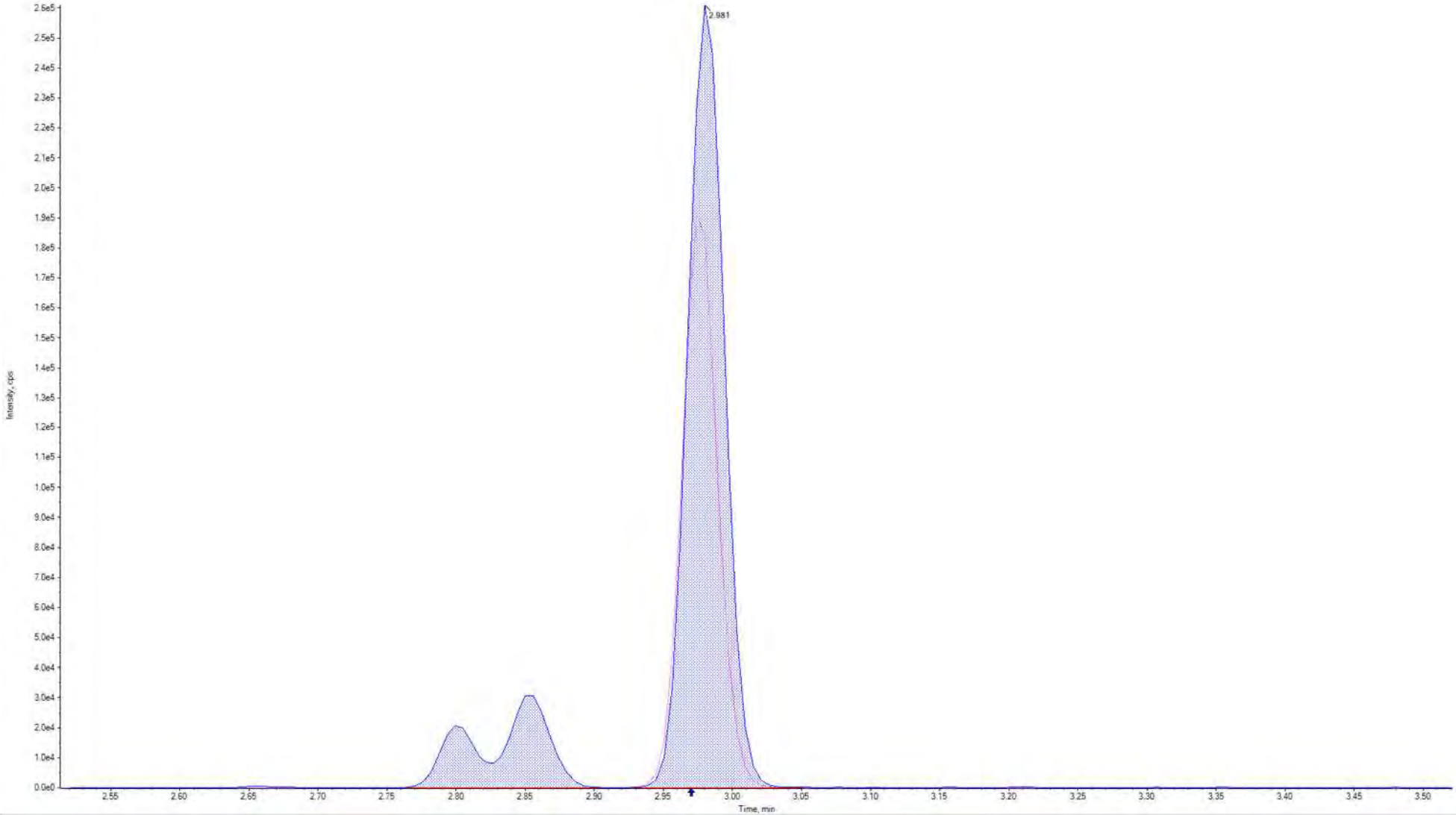
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFPeS_2
Sample: WG2013165-2,1633FMED S/N:2527.6 Points Across peak:26



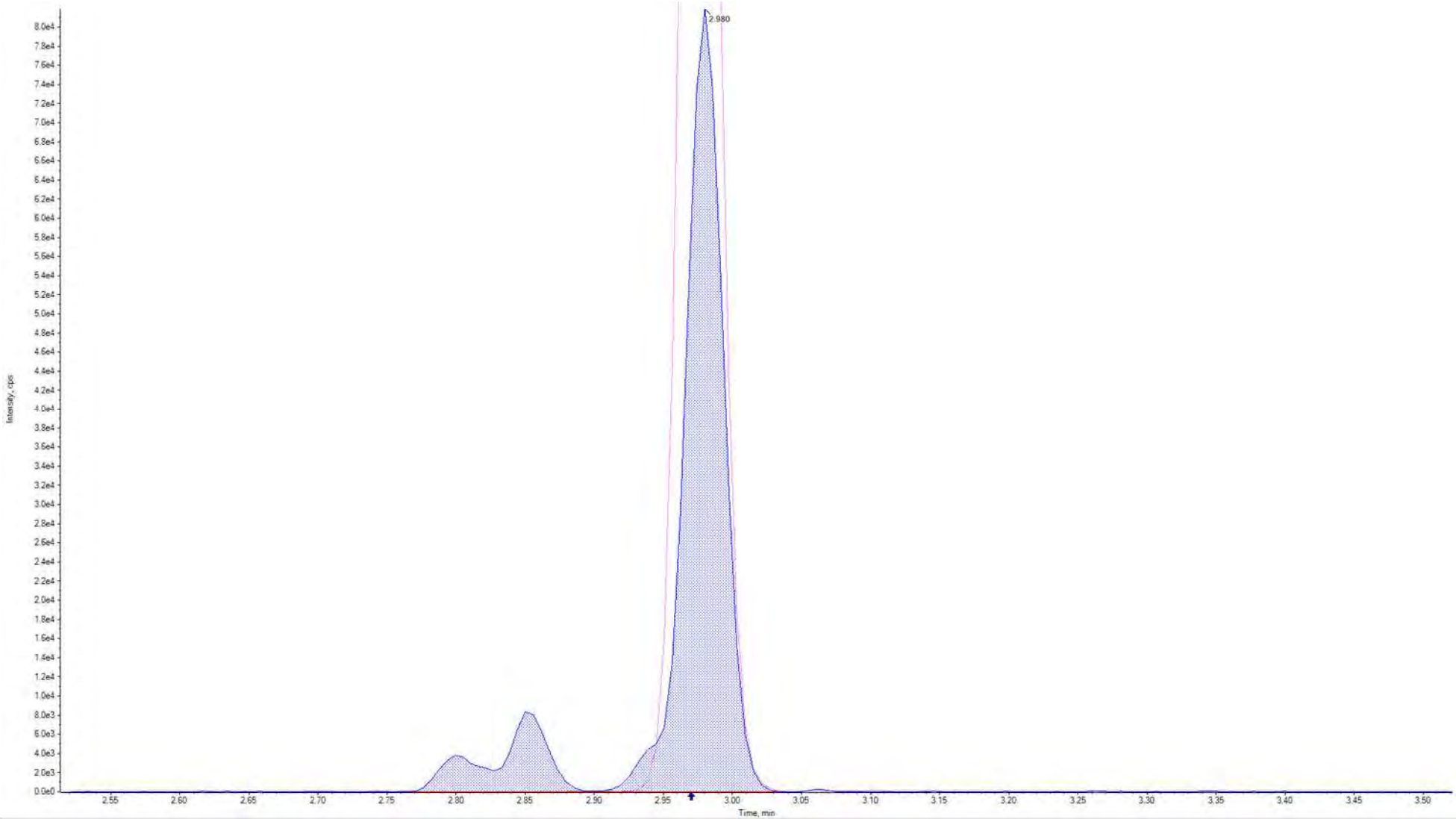
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFHxS
Sample: WG2013165-2,1633FMED S/N:1205.7 Points Across peak:52



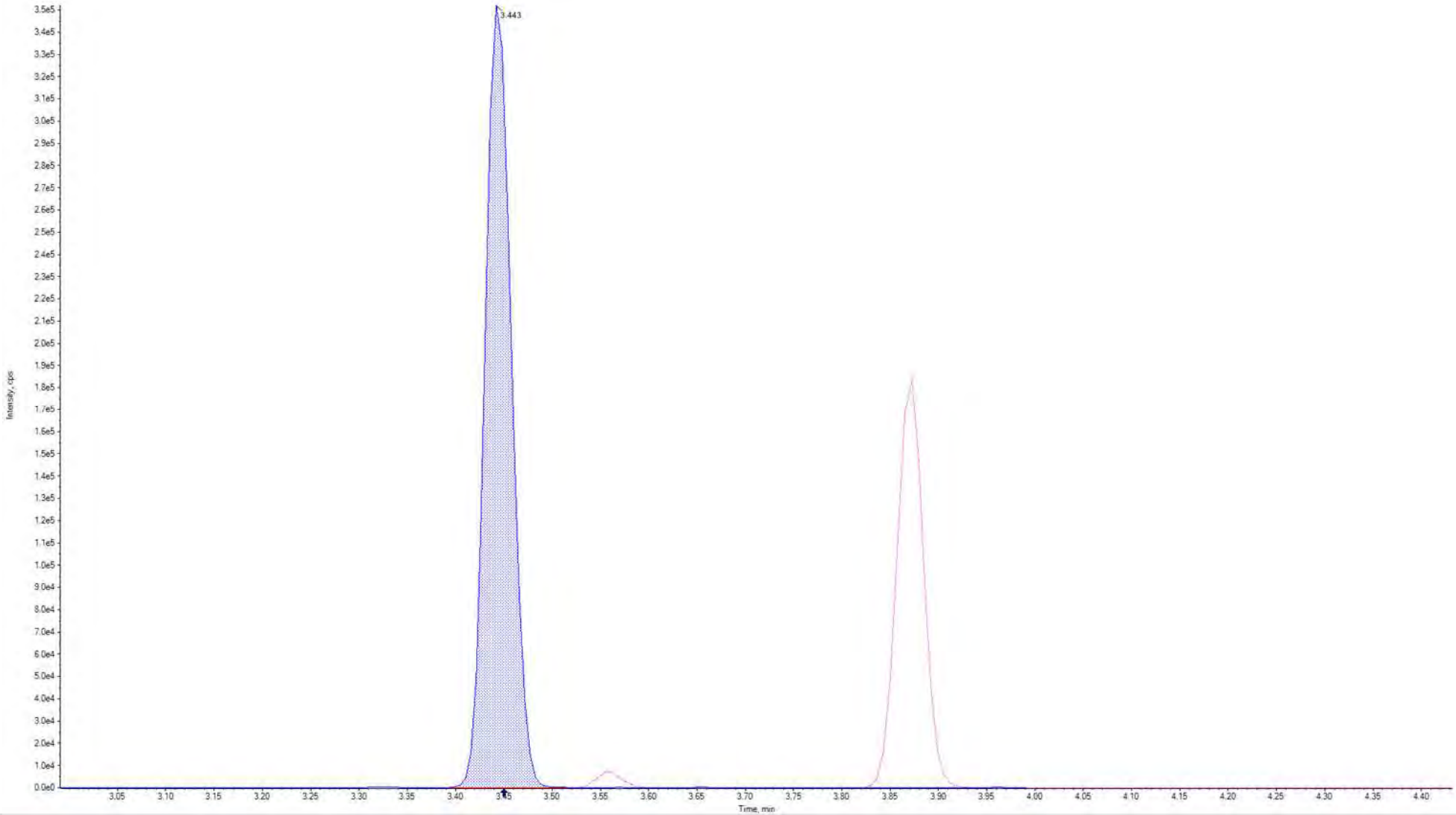
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFHxS_2
Sample: WG2013165-2,1633FMED S/N:1337.6 Points Across peak:49



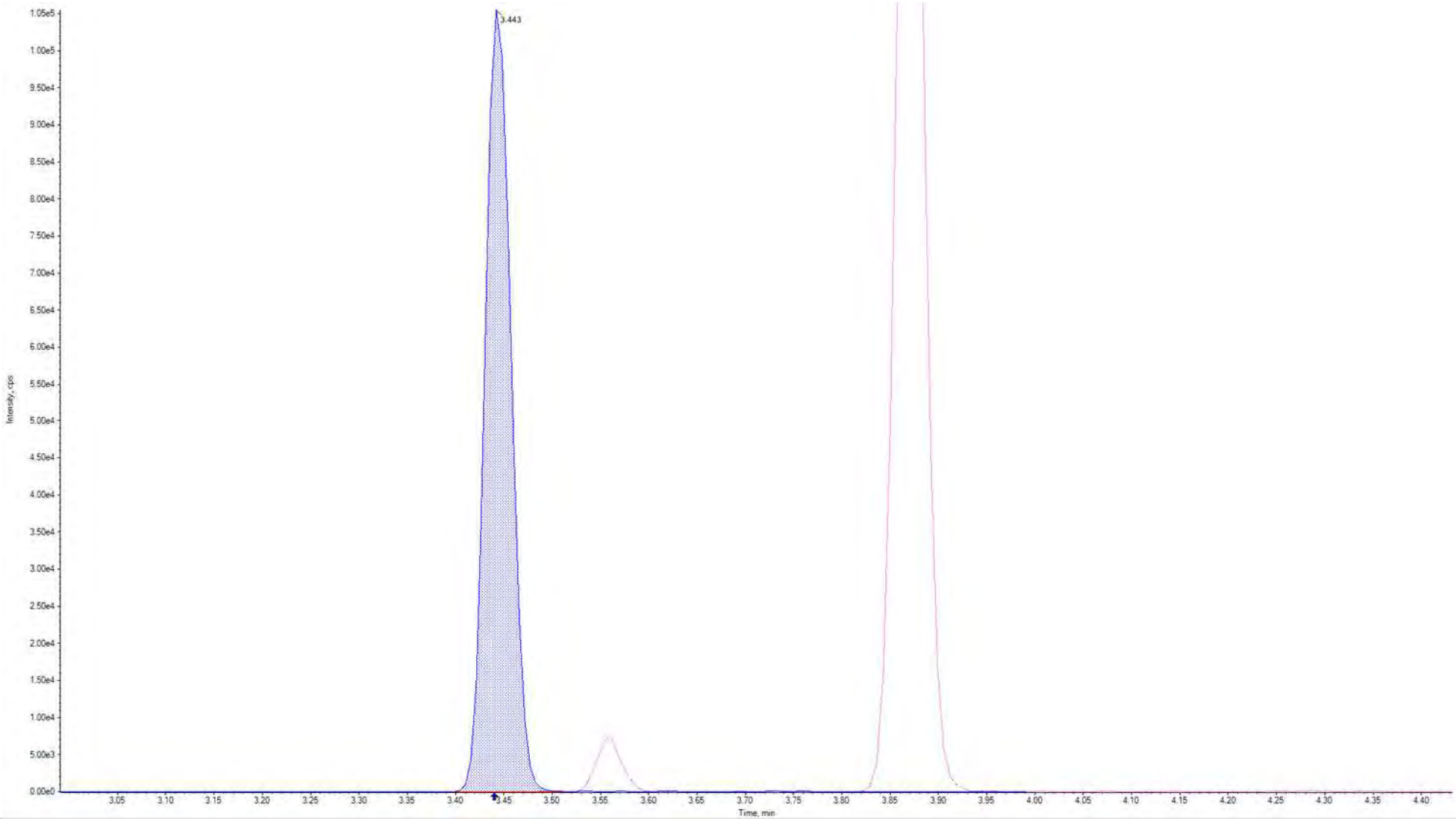
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFHpS
Sample: WG2013165-2,1633FMED S/N:4626.2 Points Across peak:32



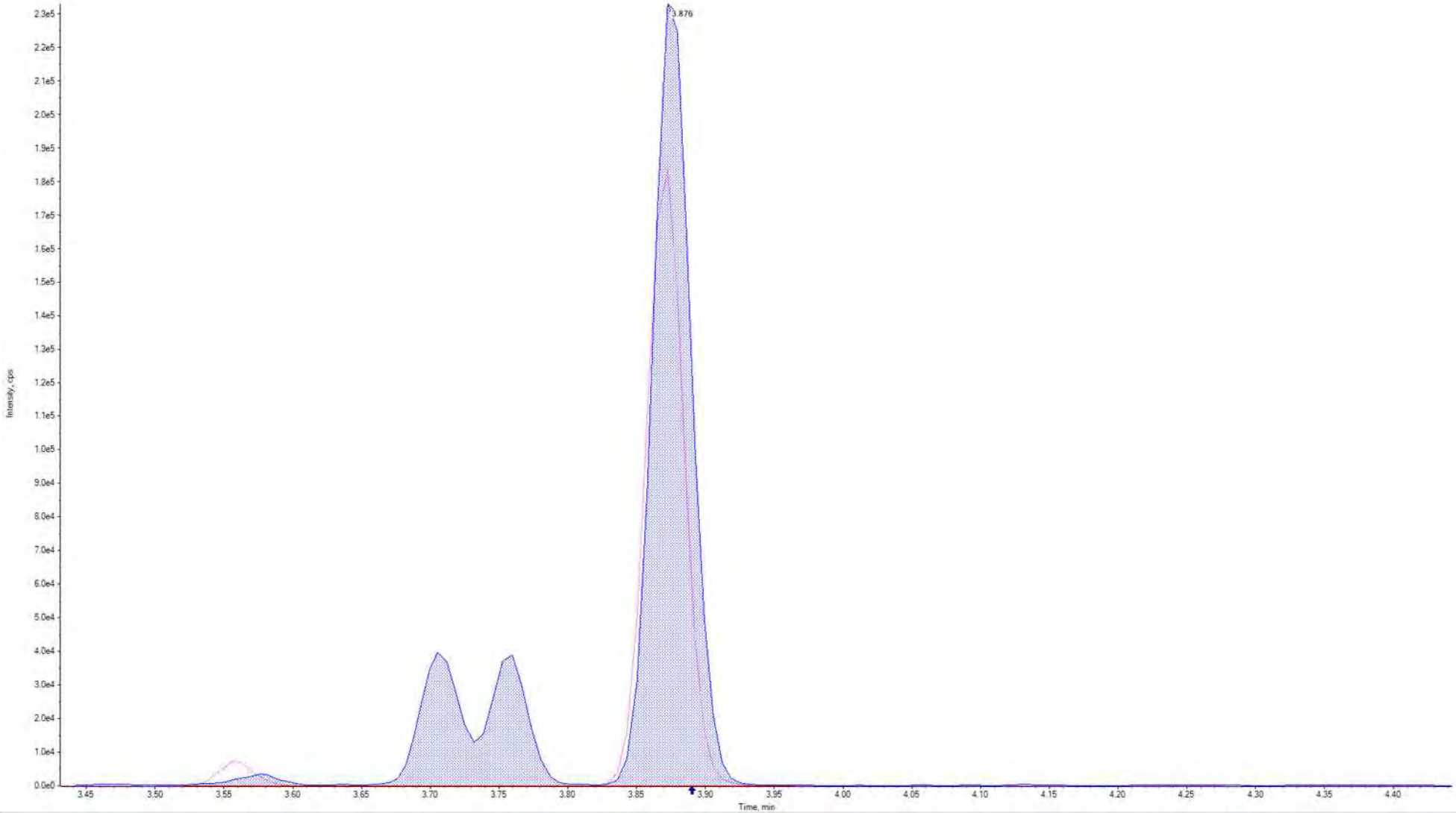
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFHpS_2
Sample: WG2013165-2,1633FMED S/N:2115.8 Points Across peak:24



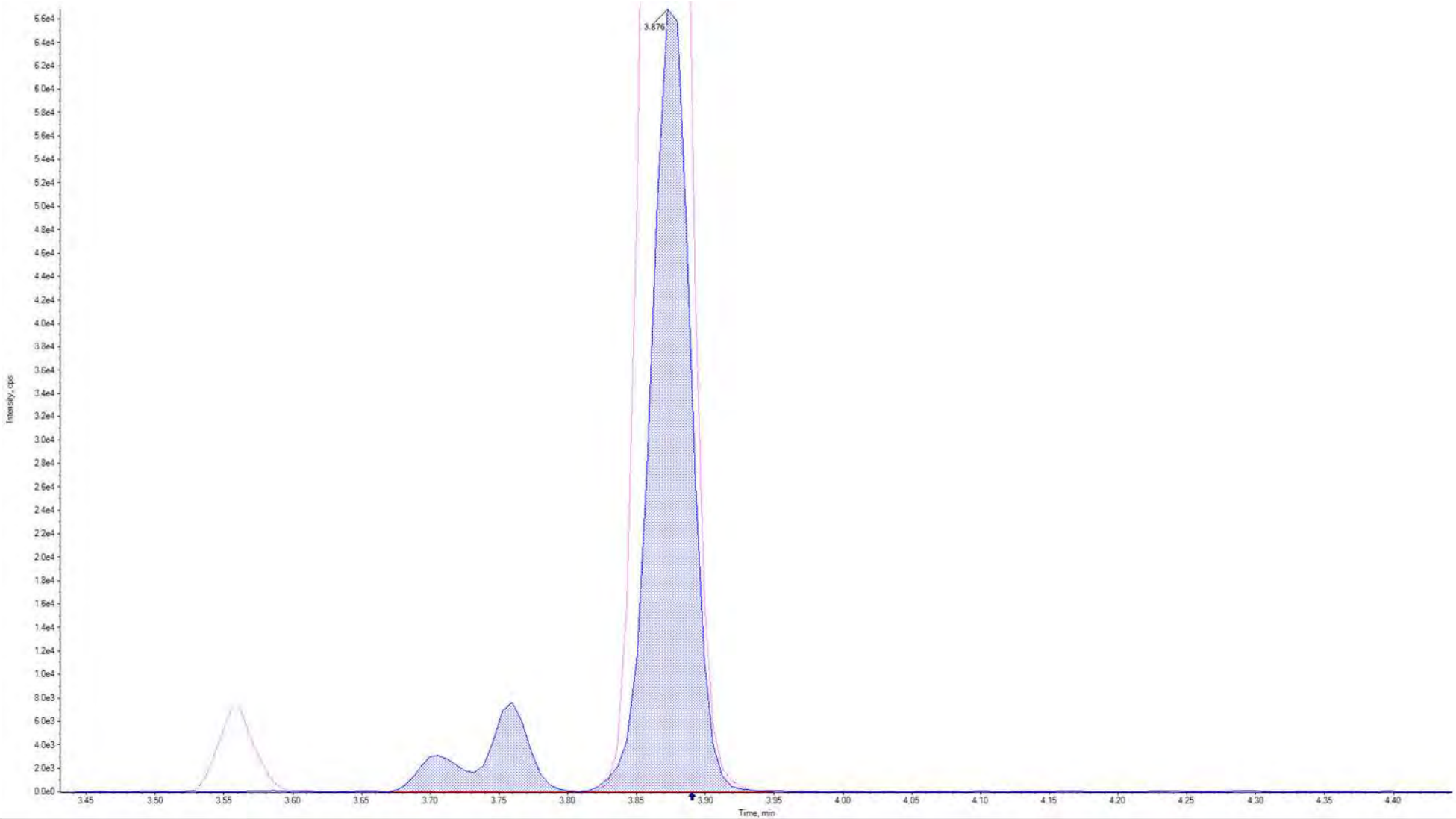
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFOS
Sample: WG2013165-2,1633FMED S/N:534.0 Points Across peak:75



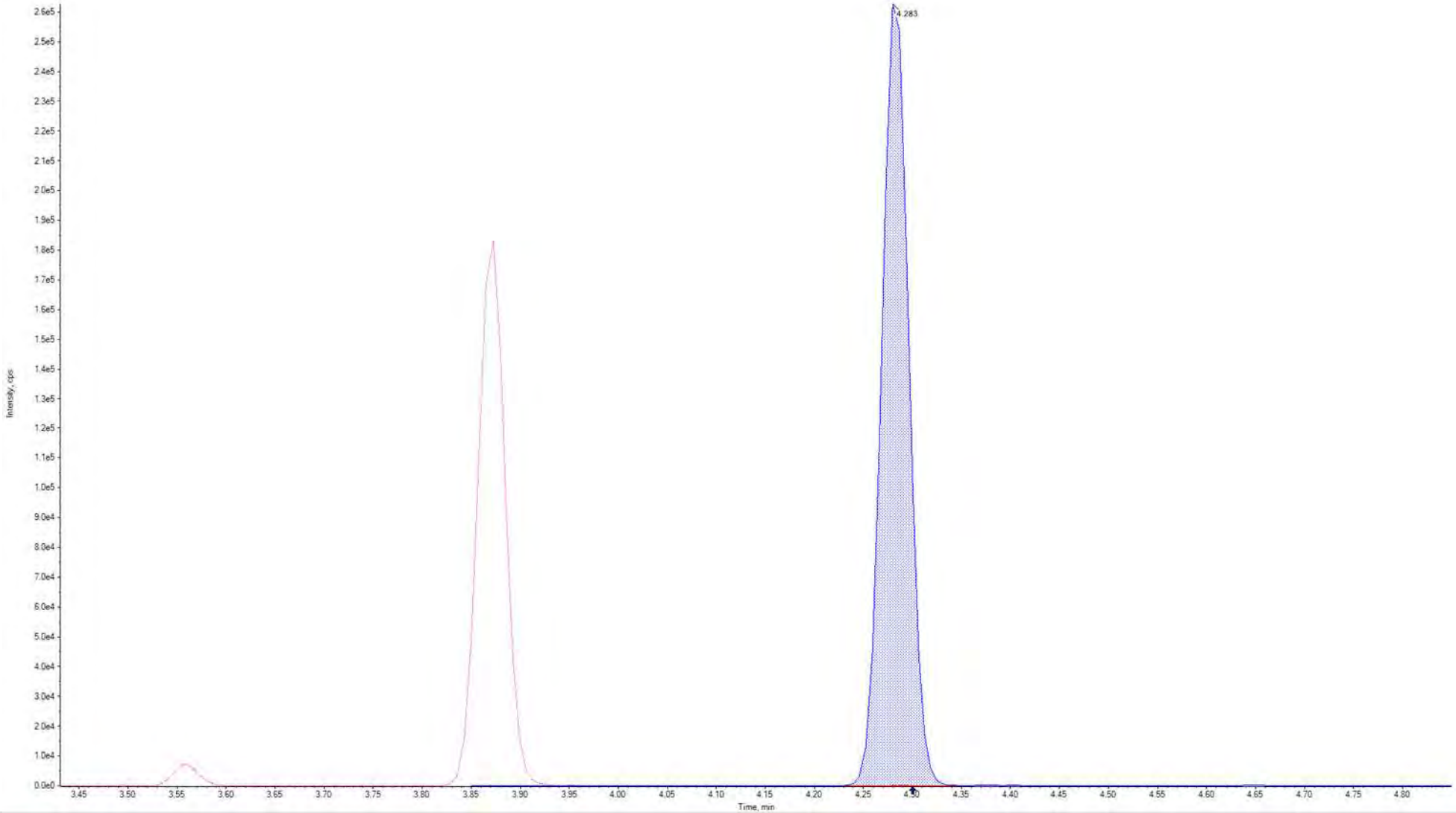
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFOS_2
Sample: WG2013165-2,1633FMED S/N:1048.0 Points Across peak:44



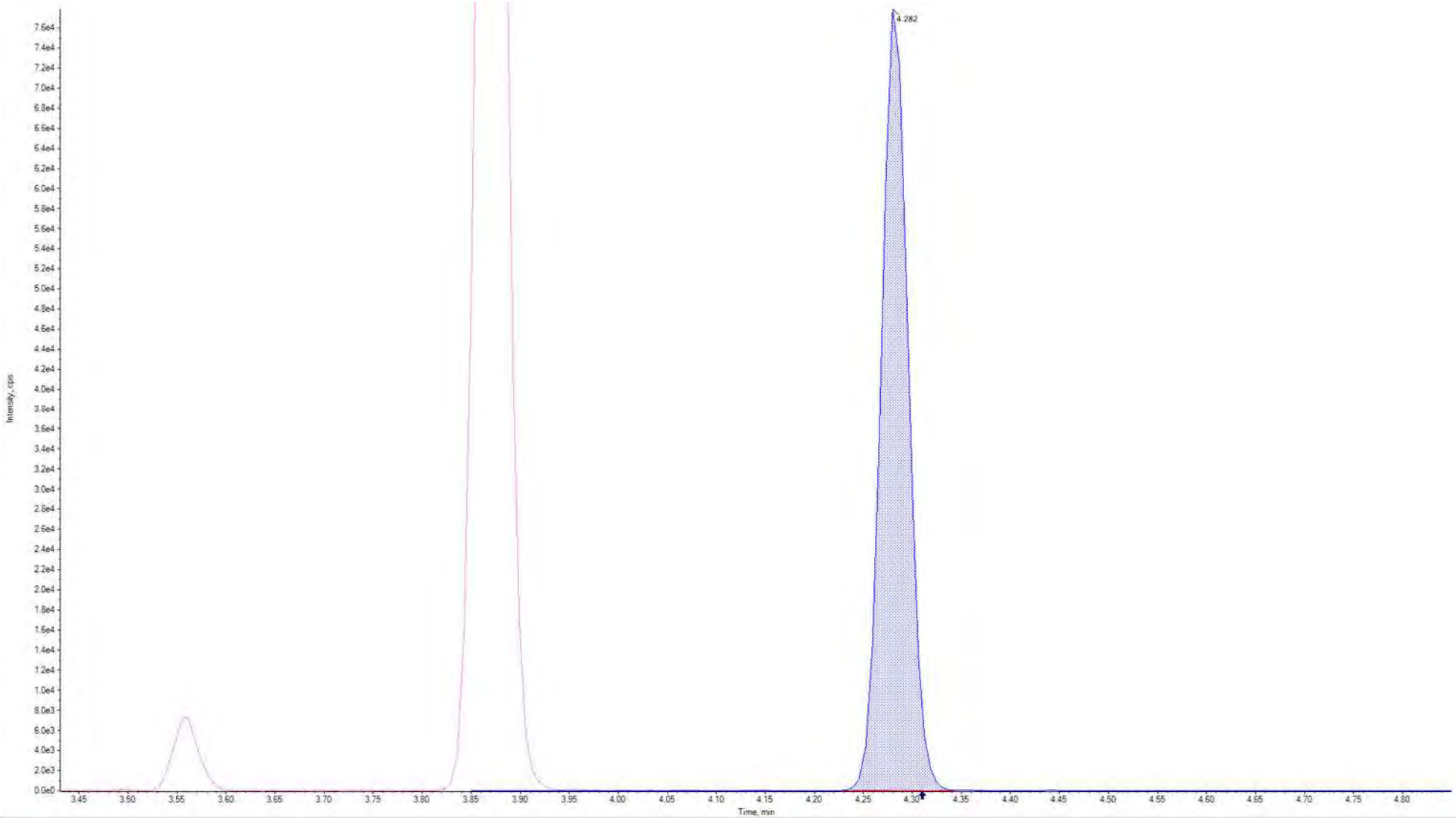
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFNS
Sample: WG2013165-2,1633FMED S/N:4921.0 Points Across peak:27



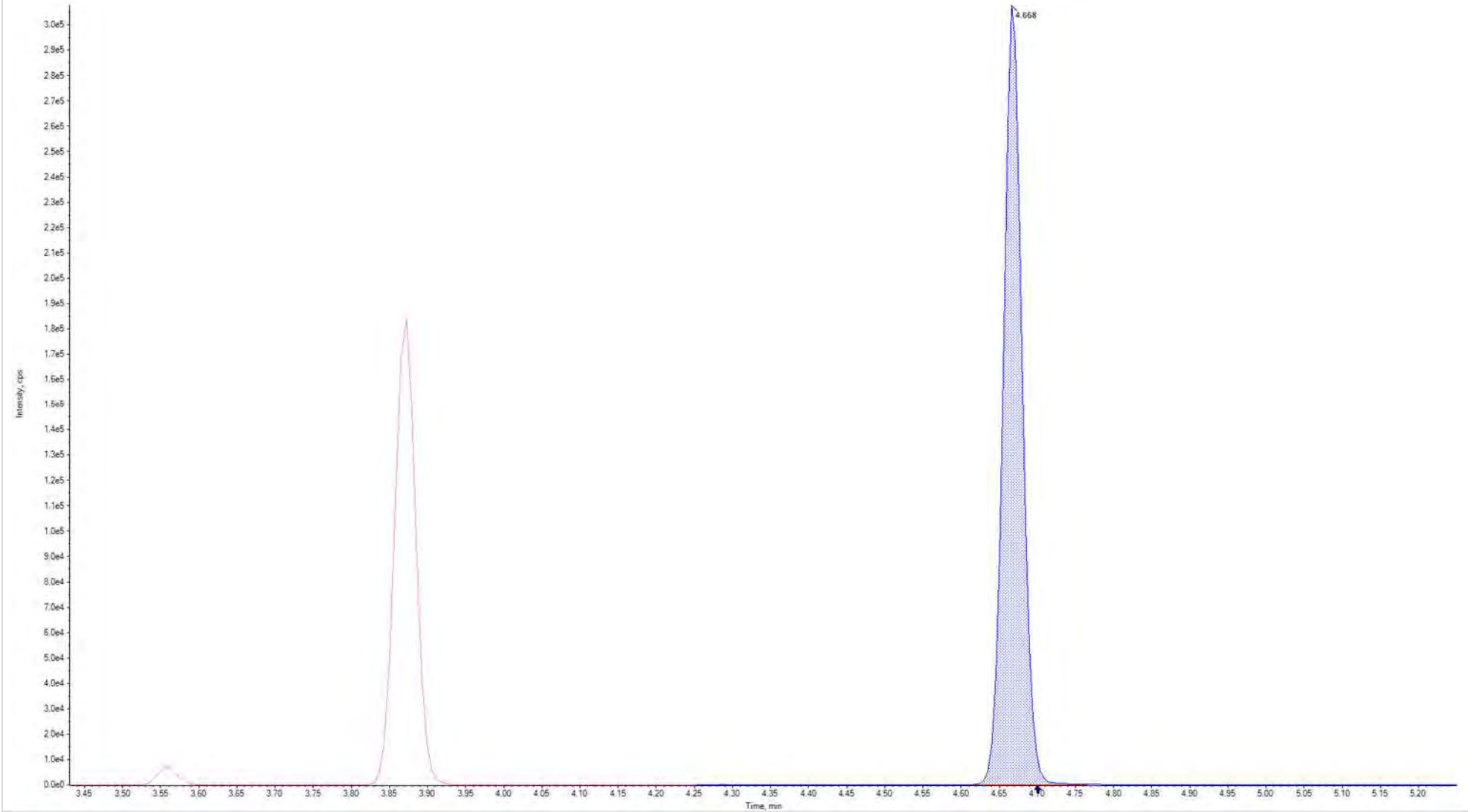
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFNS_2
Sample: WG2013165-2,1633FMED S/N:1951.8 Points Across peak:22



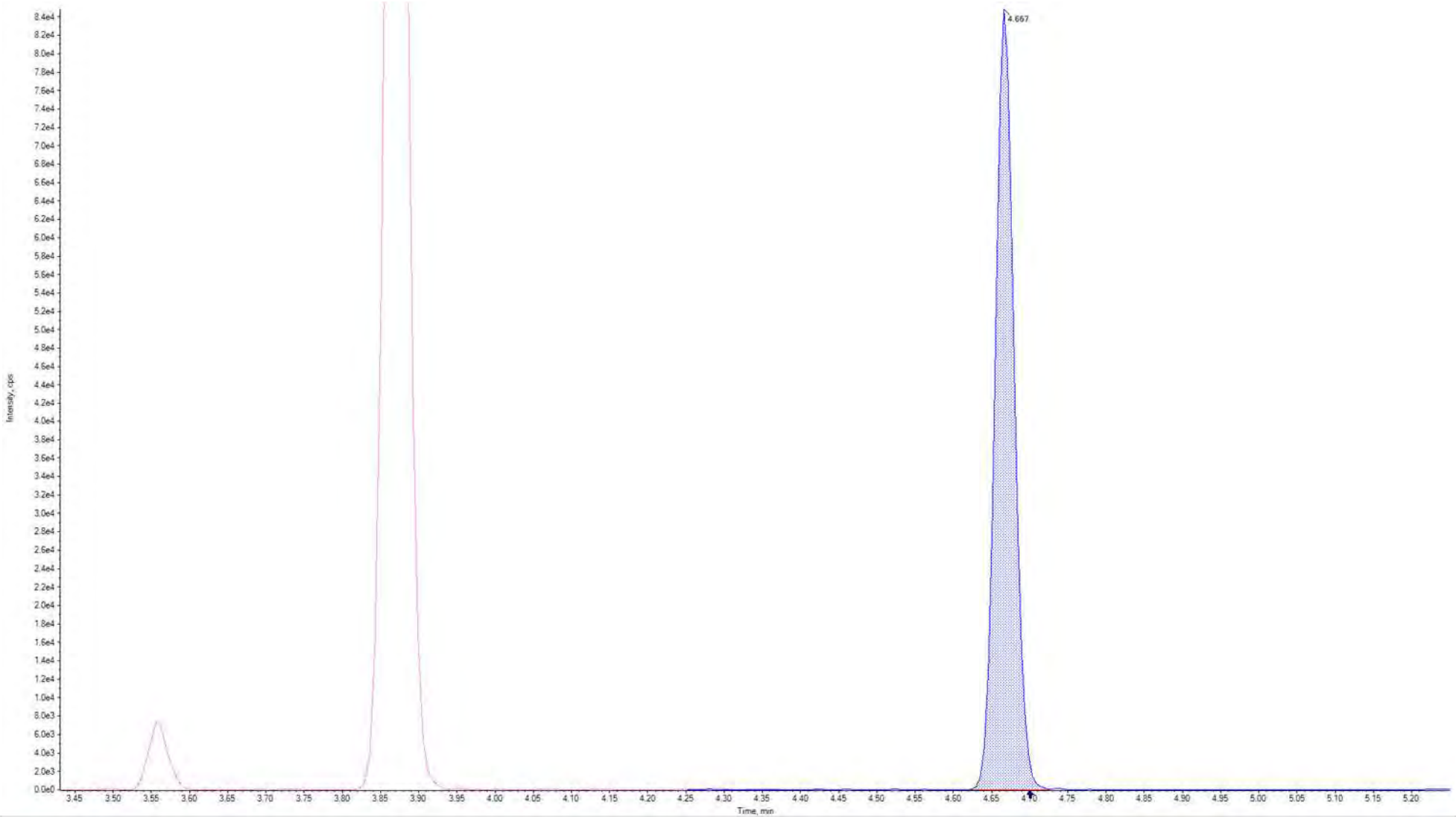
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFDS
Sample: WG2013165-2,1633FMED S/N:10795.6 Points Across peak:33



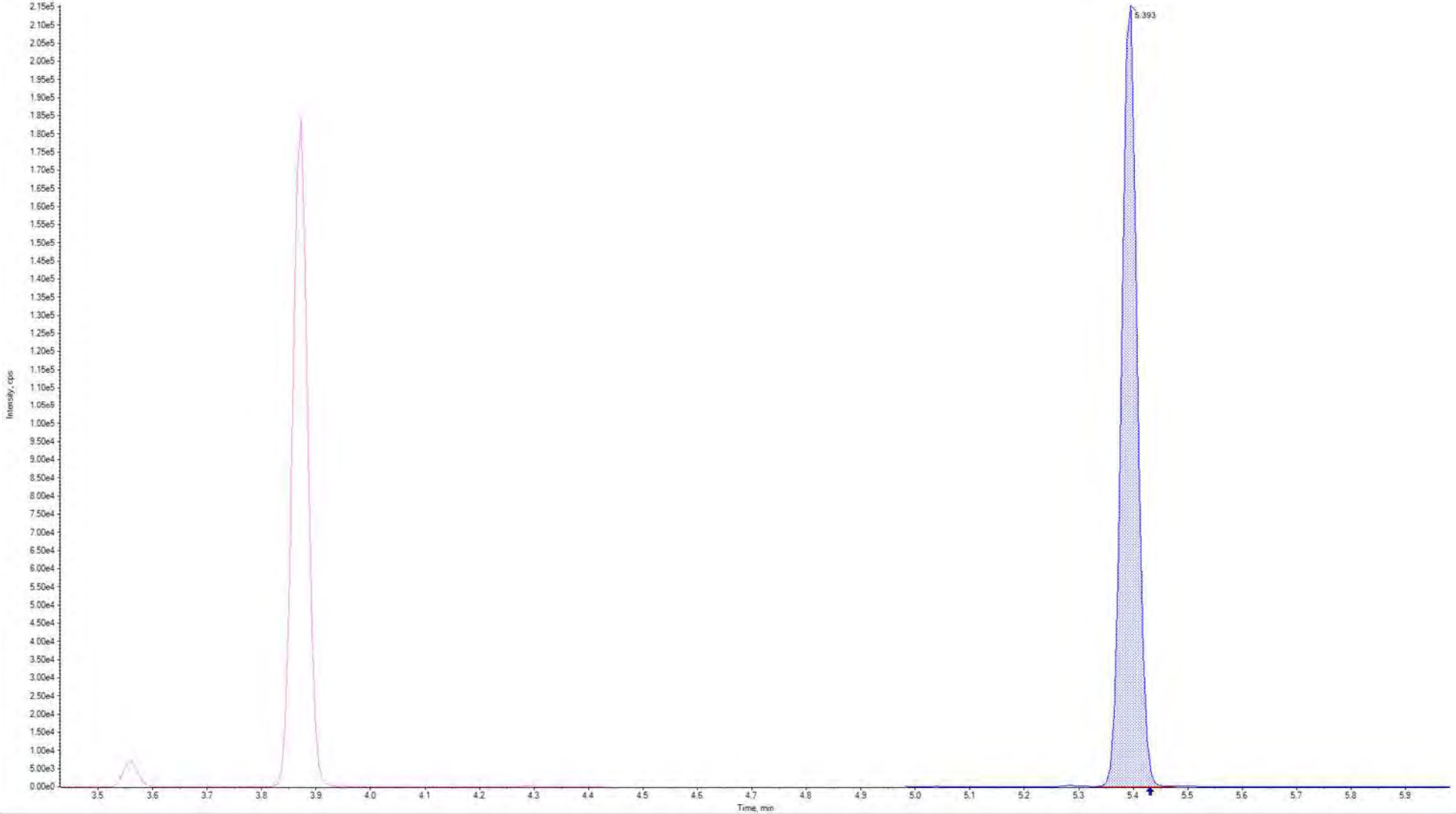
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFDS_2
Sample: WG2013165-2,1633FMED S/N:2977.3 Points Across peak:24



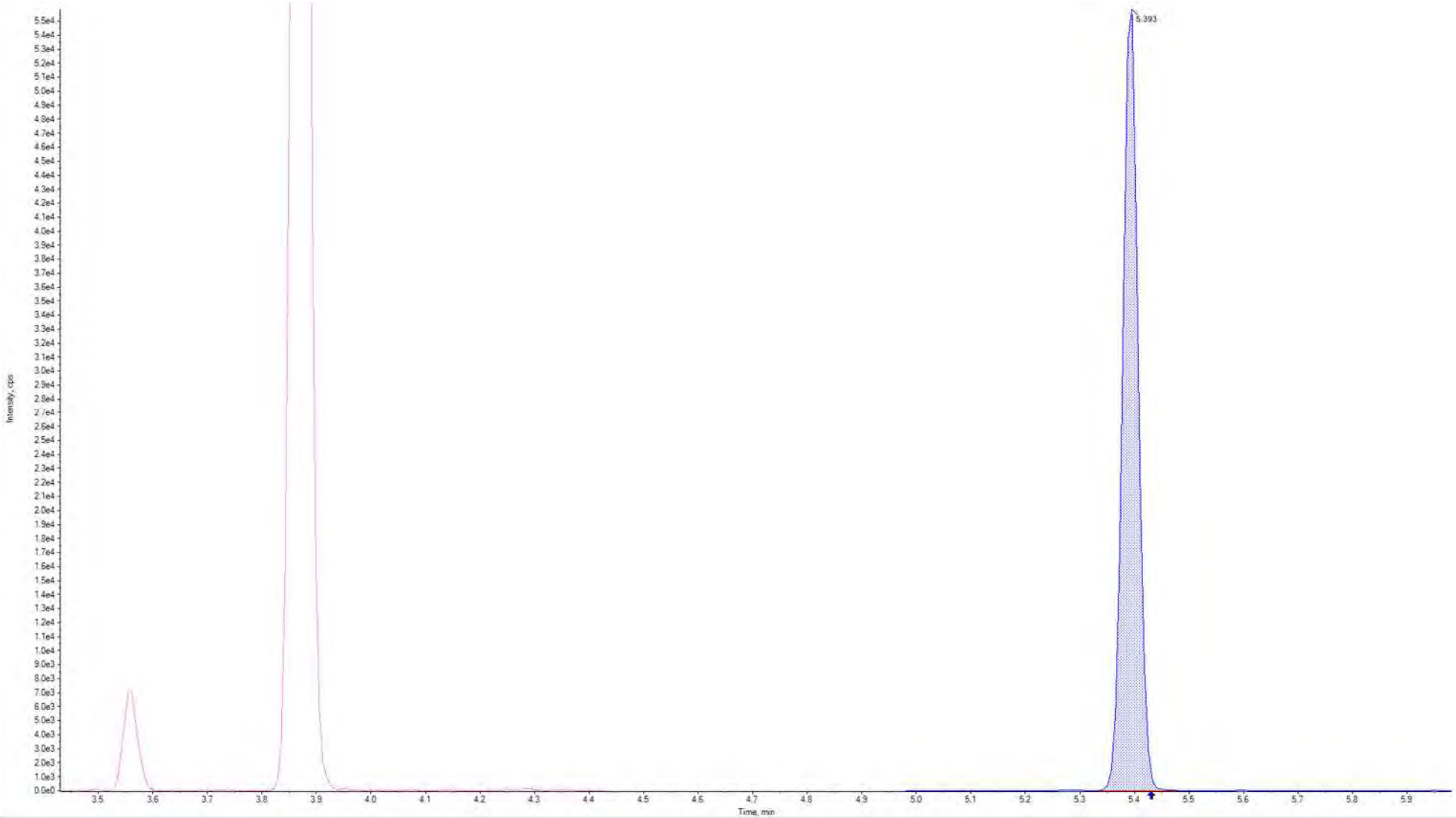
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFDoS
Sample: WG2013165-2,1633FMED S/N:7060.3 Points Across peak:20



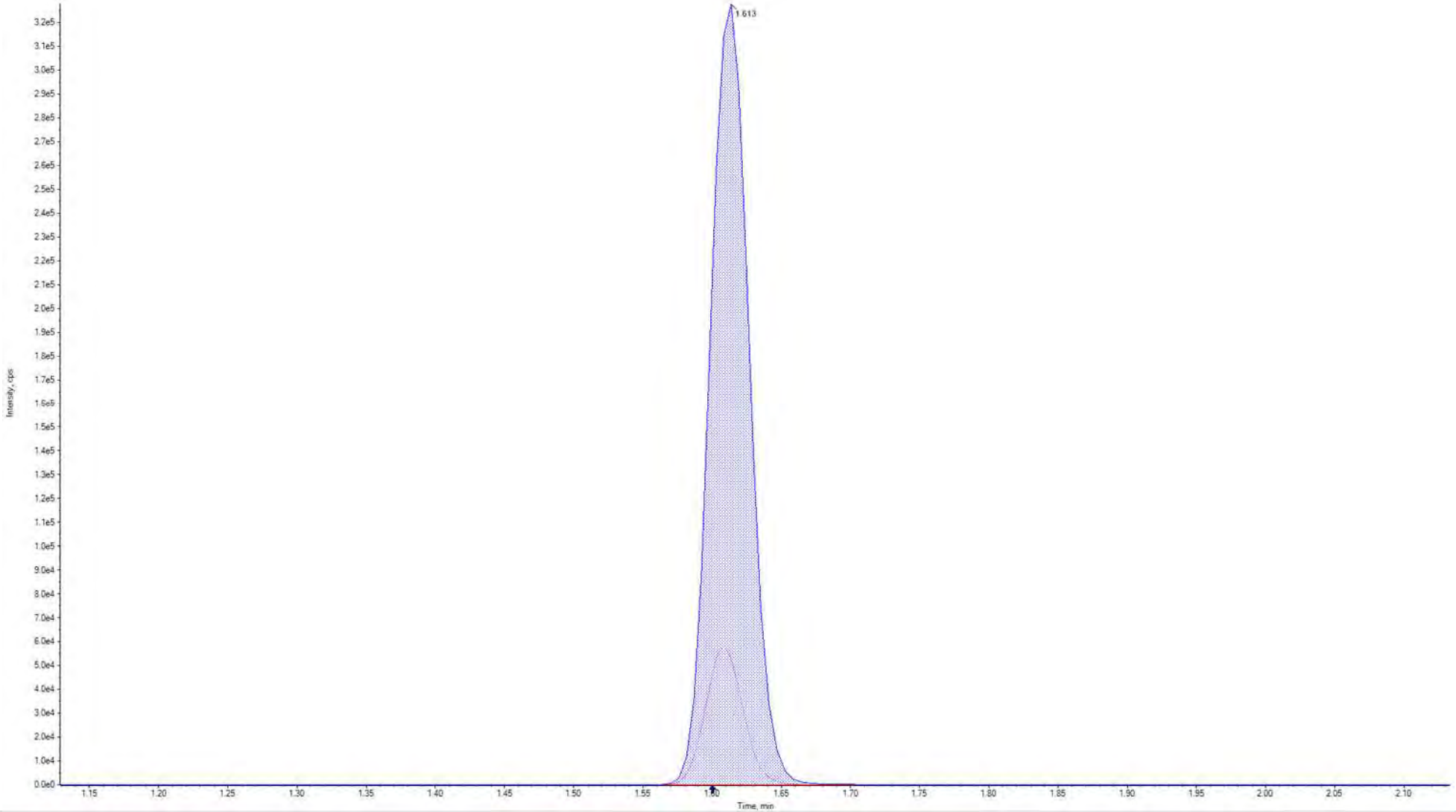
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFDoS_2
Sample: WG2013165-2,1633FMED S/N:2426.1 Points Across peak:25



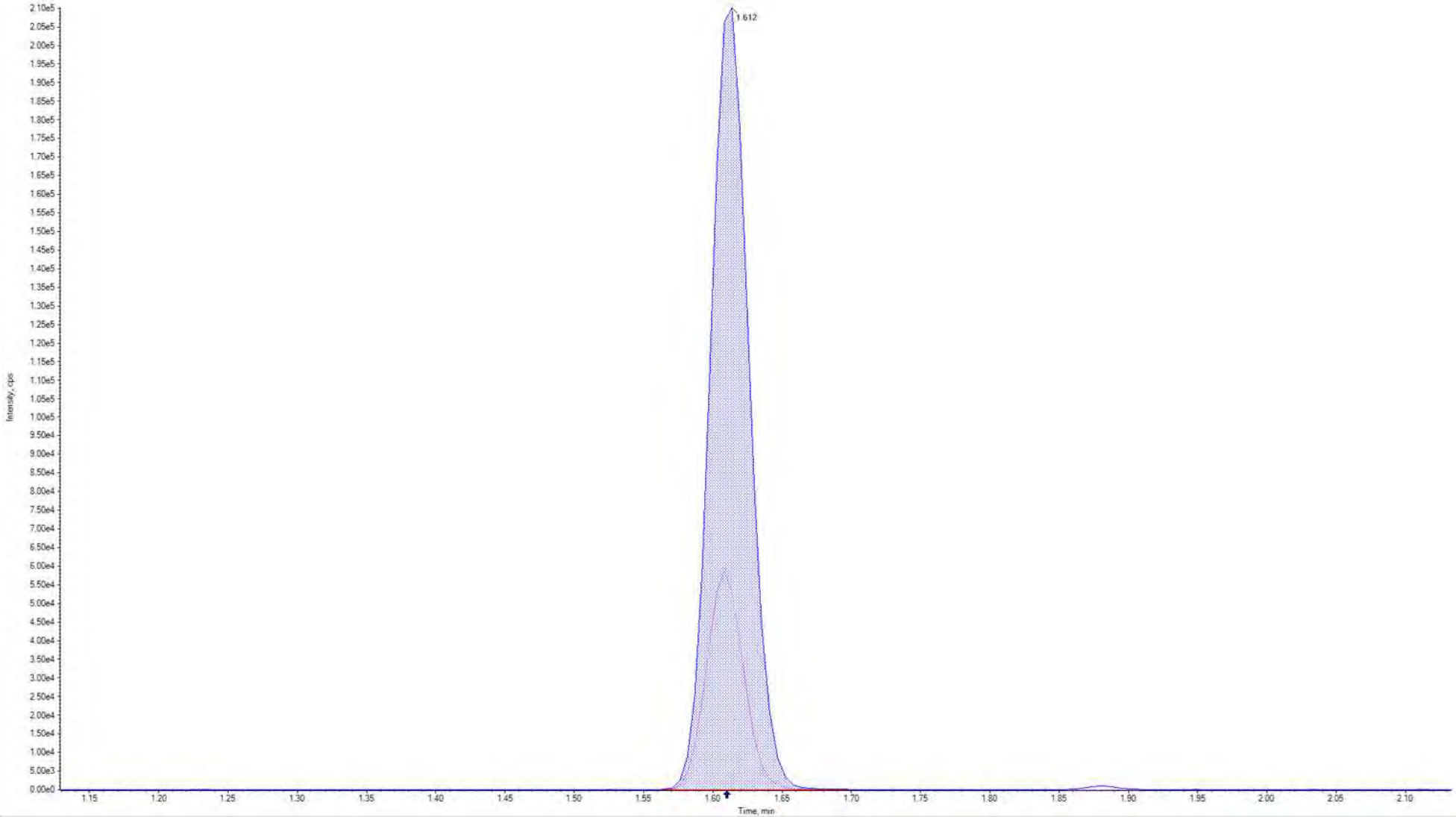
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

4:2FTS
Sample: WG2013165-2,1633FMED S/N:9323.7 Points Across peak:33



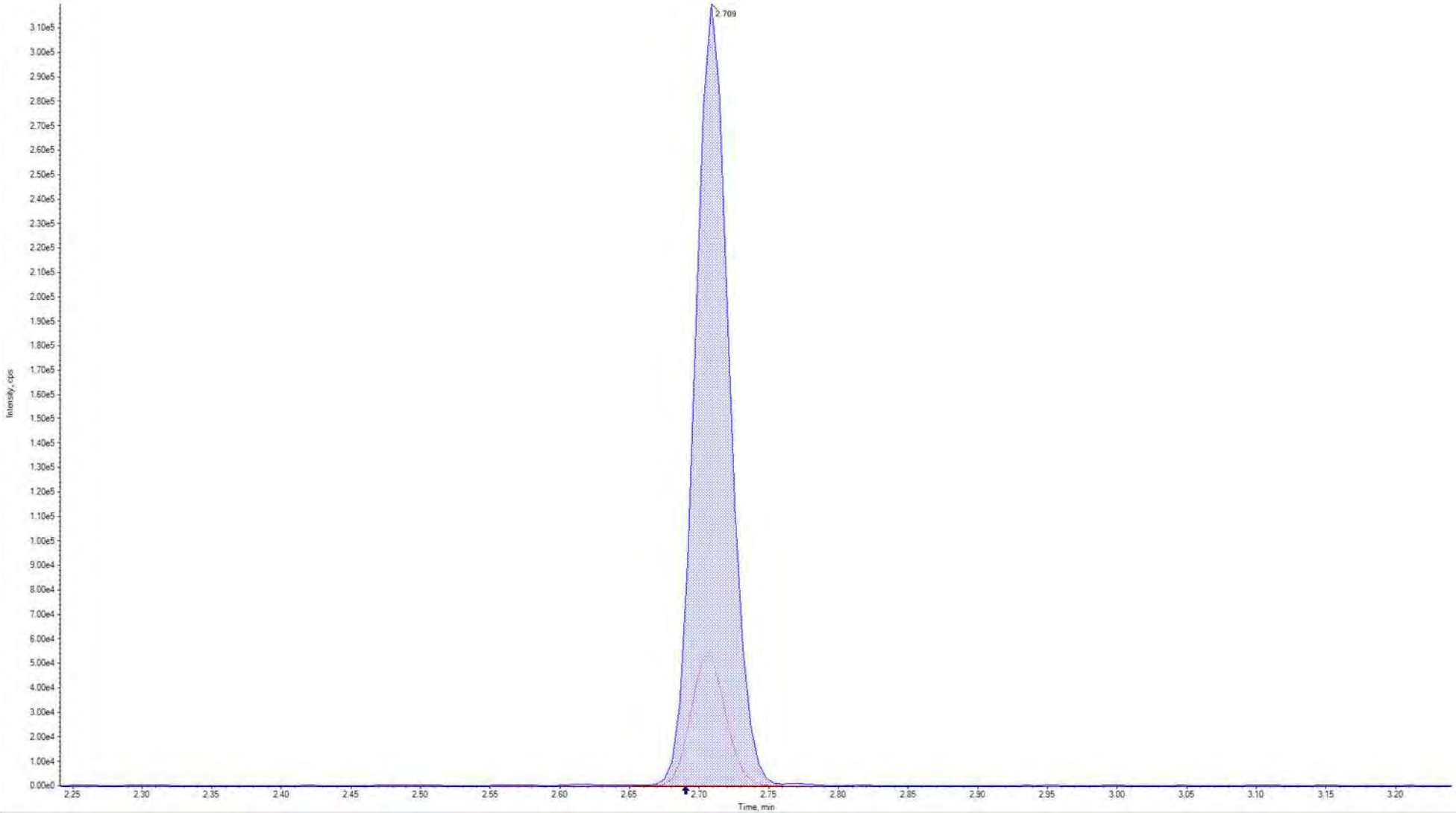
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

4:2FTS_2
Sample: WG2013165-2,1633FMED S/N:6591.0 Points Across peak:29



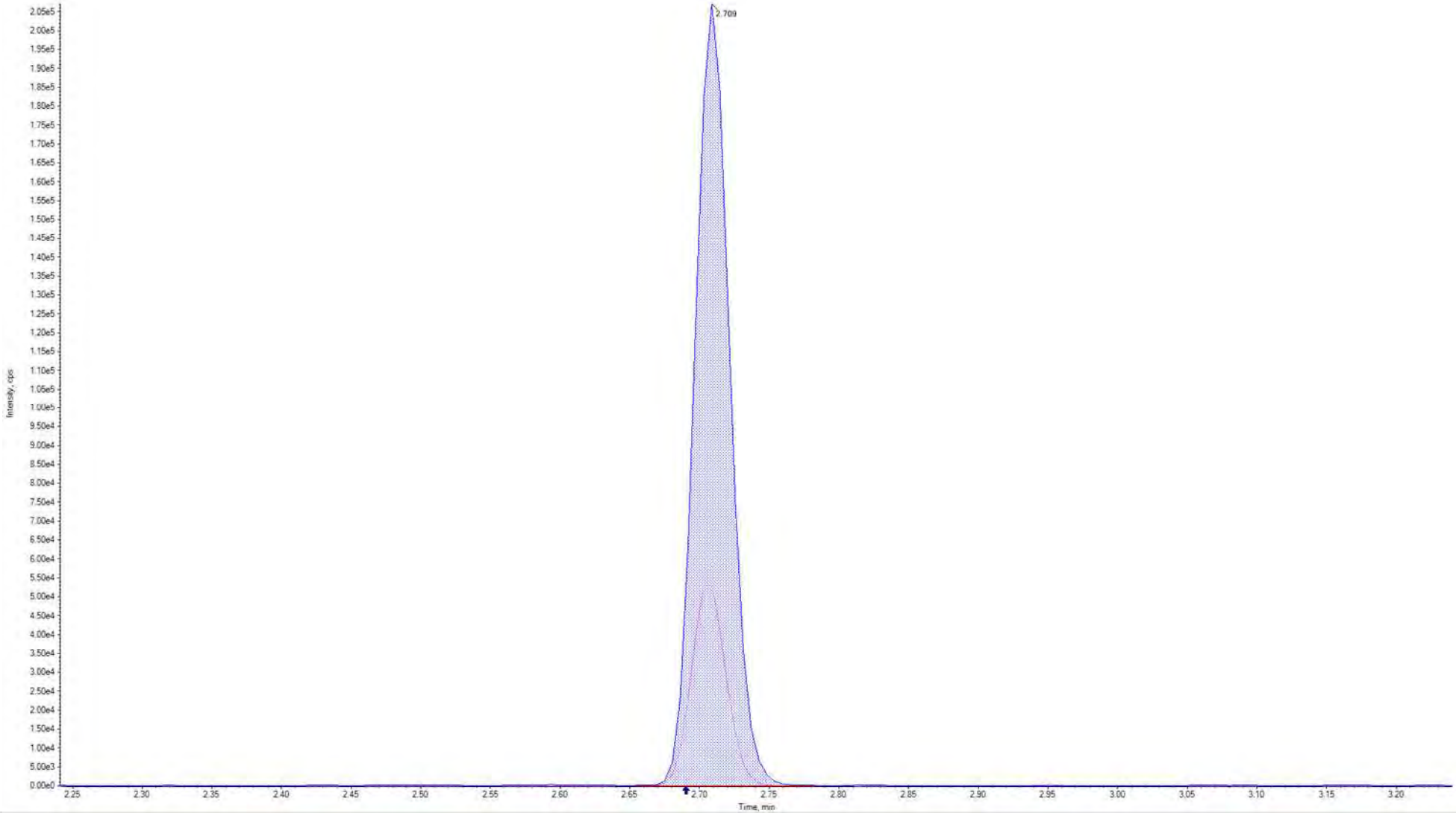
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

6:2FTS
Sample: WG2013165-2,1633FMED S/N:6412.3 Points Across peak:20



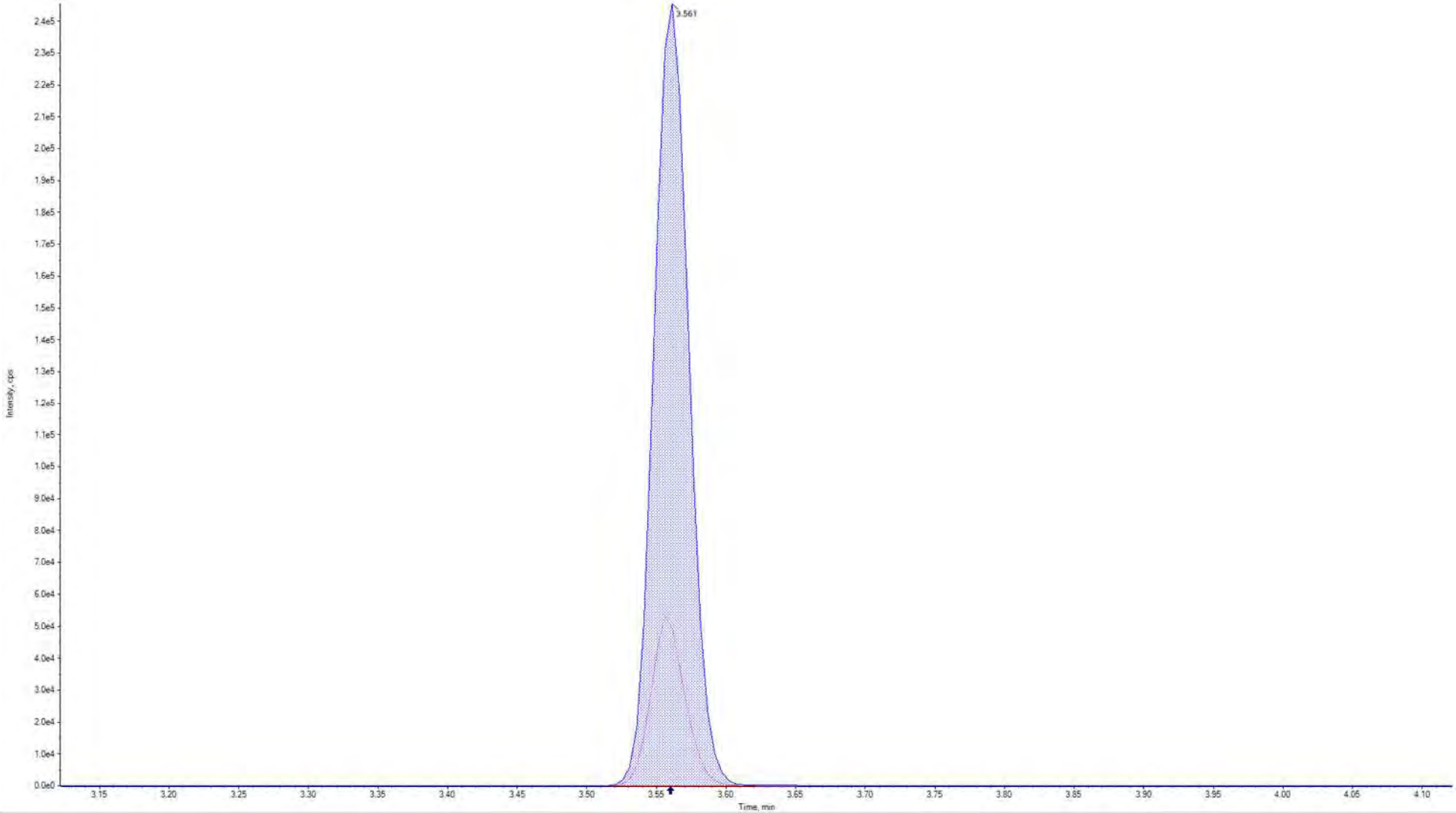
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

6:2FTS_2
Sample: WG2013165-2,1633FMED S/N:4151.6 Points Across peak:26



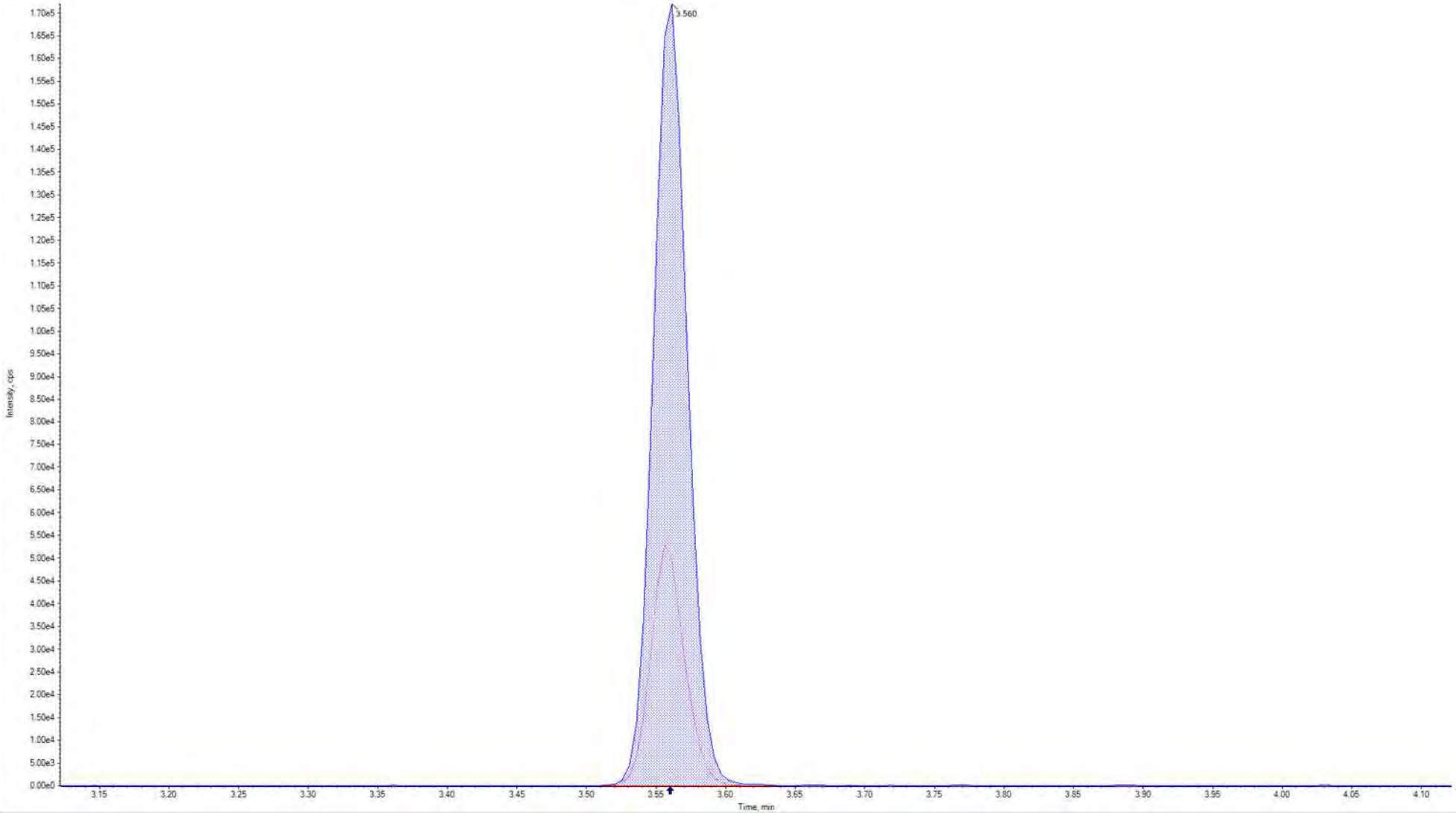
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

8:2FTS
Sample: WG2013165-2,1633FMED S/N:4922.2 Points Across peak:23



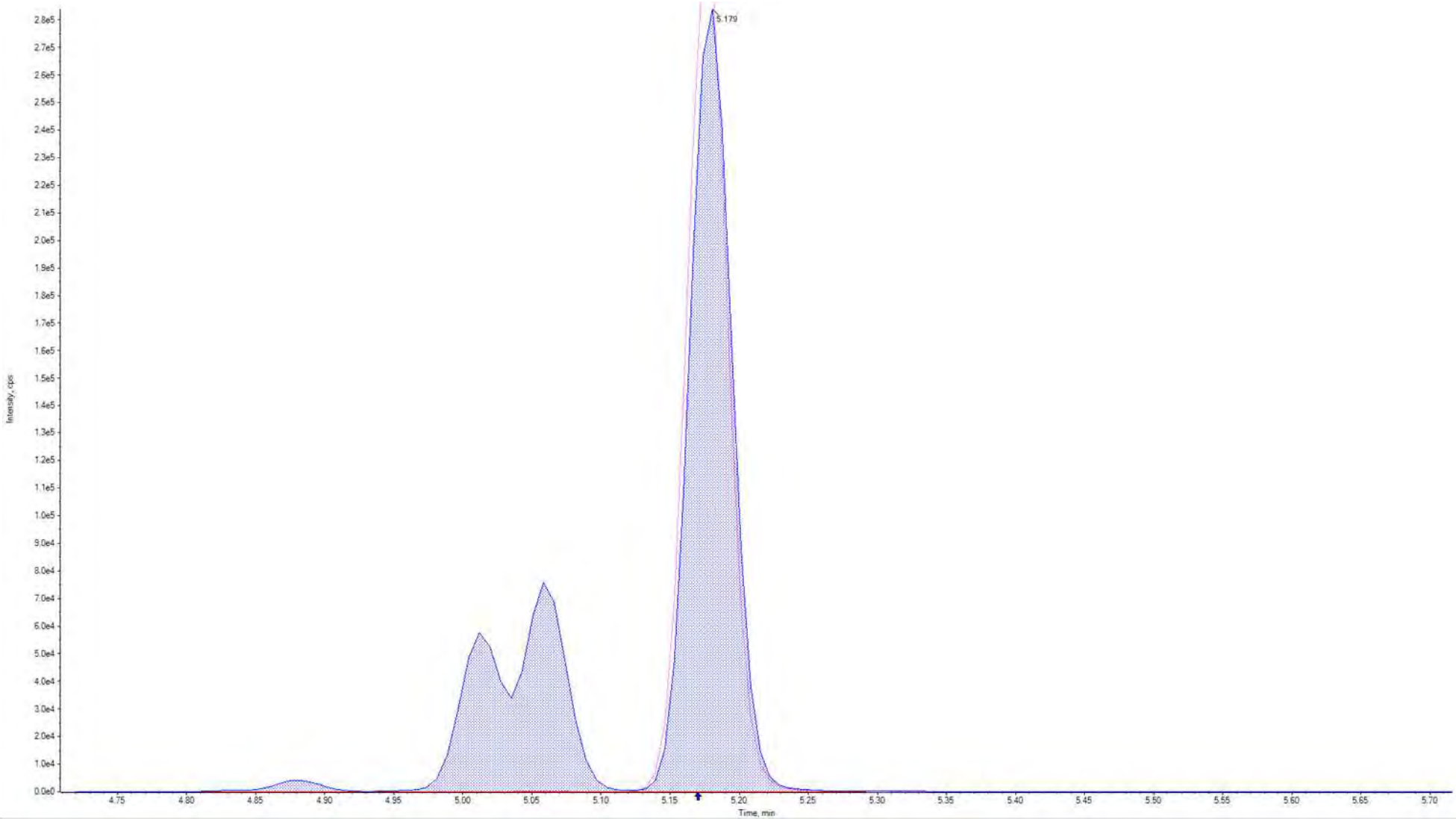
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

8:2FTS_2
Sample: WG2013165-2,1633FMED S/N:3449.2 Points Across peak:34



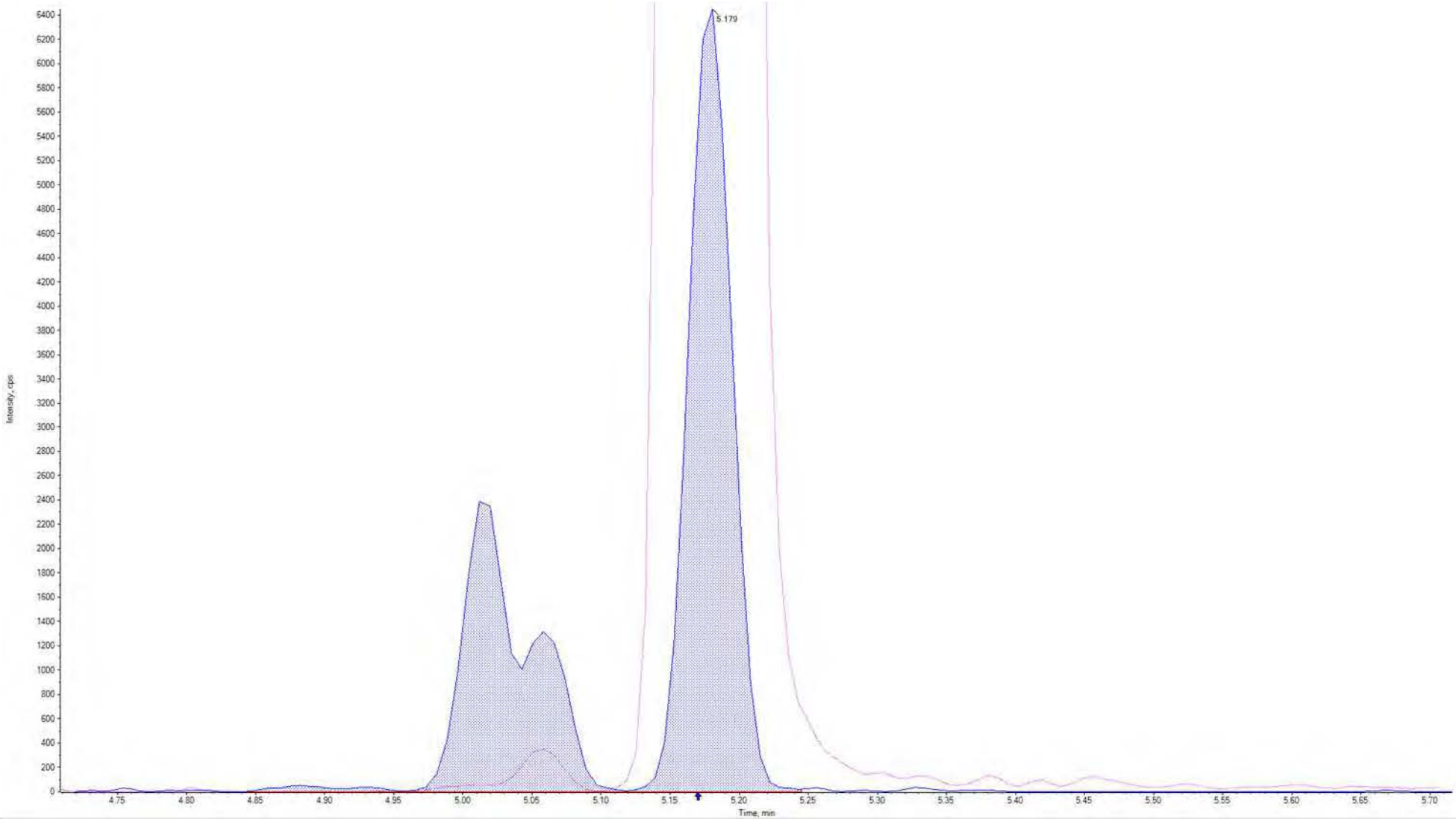
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFOSA
Sample: WG2013165-2,1633FMED S/N:351.7 Points Across peak:73



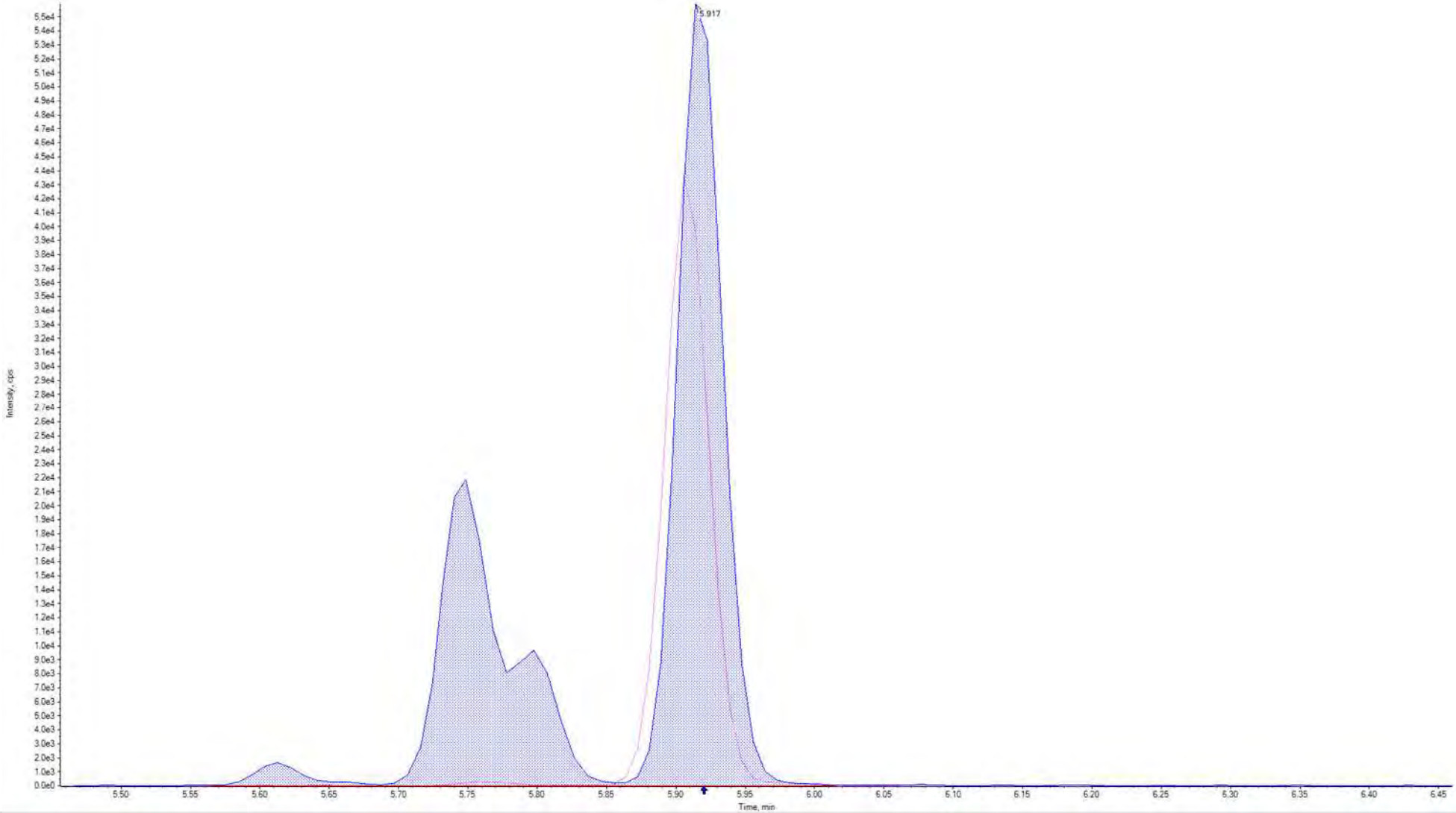
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFOSA_2
Sample: WG2013165-2,1633FMED S/N:266.4 Points Across peak:60



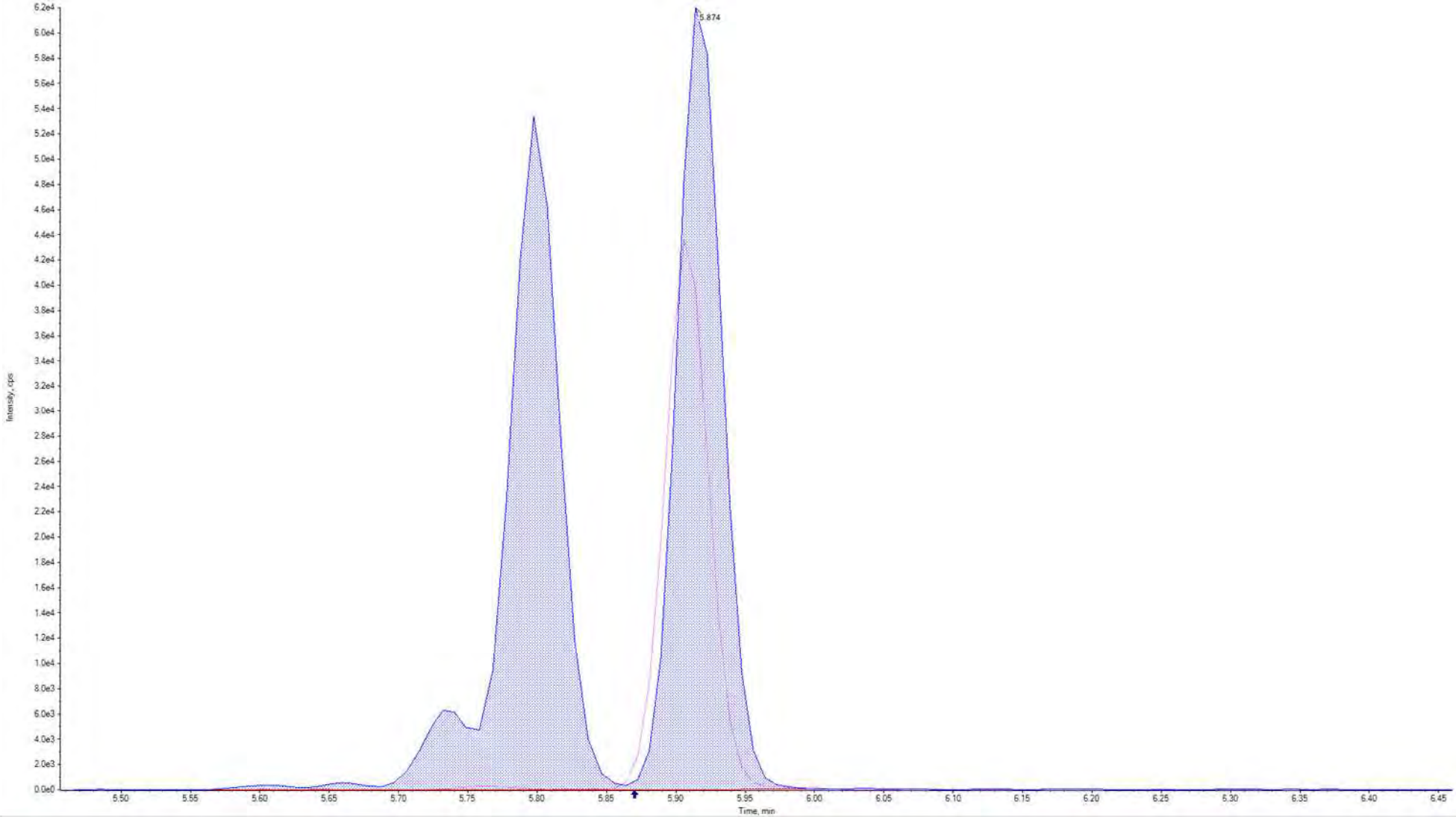
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

NMeFOSA
Sample: WG2013165-2,1633FMED S/N:302.9 Points Across peak:53



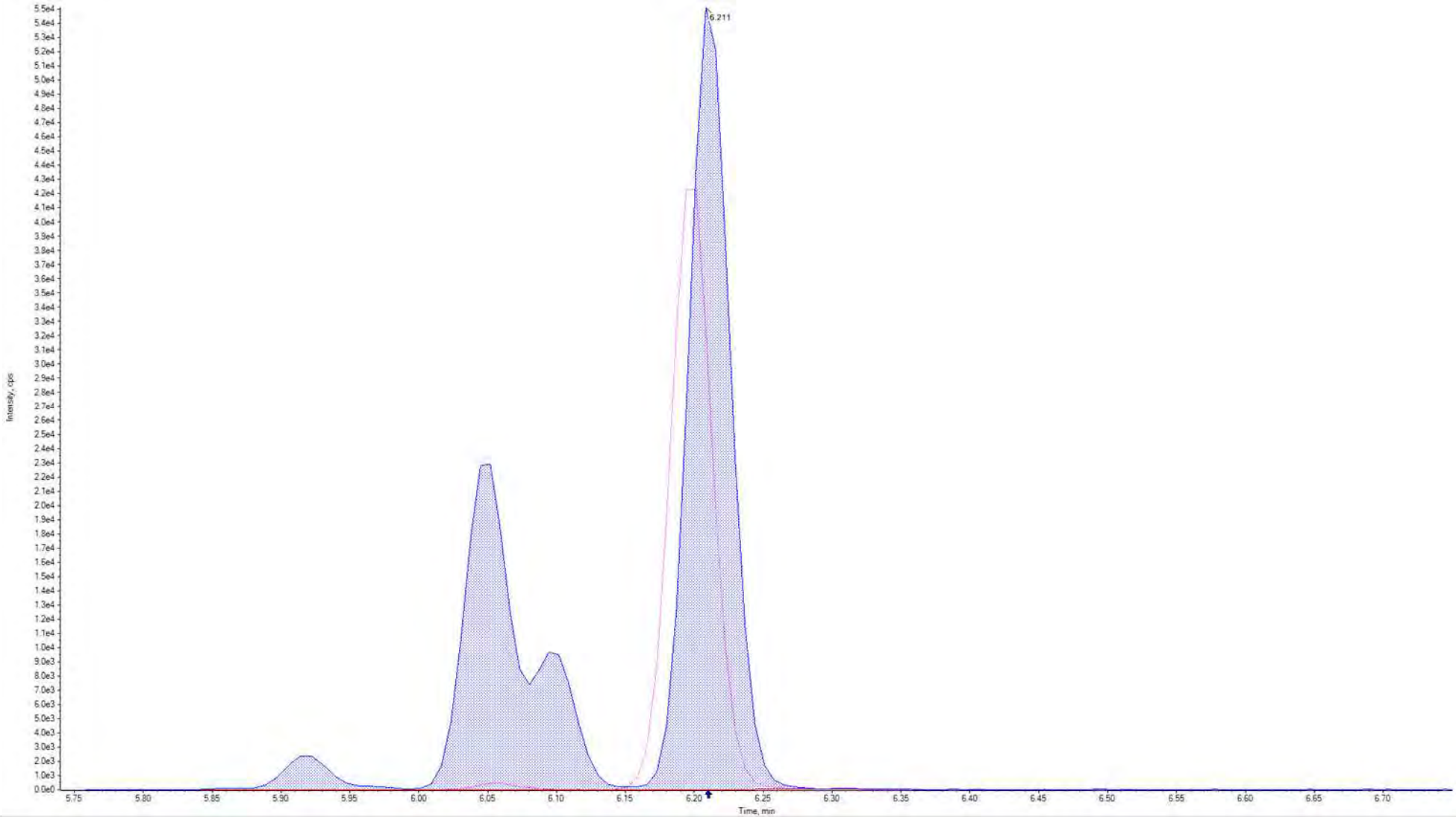
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

NMeFOSA_2
Sample: WG2013165-2,1633FMED S/N:300.7 Points Across peak:53



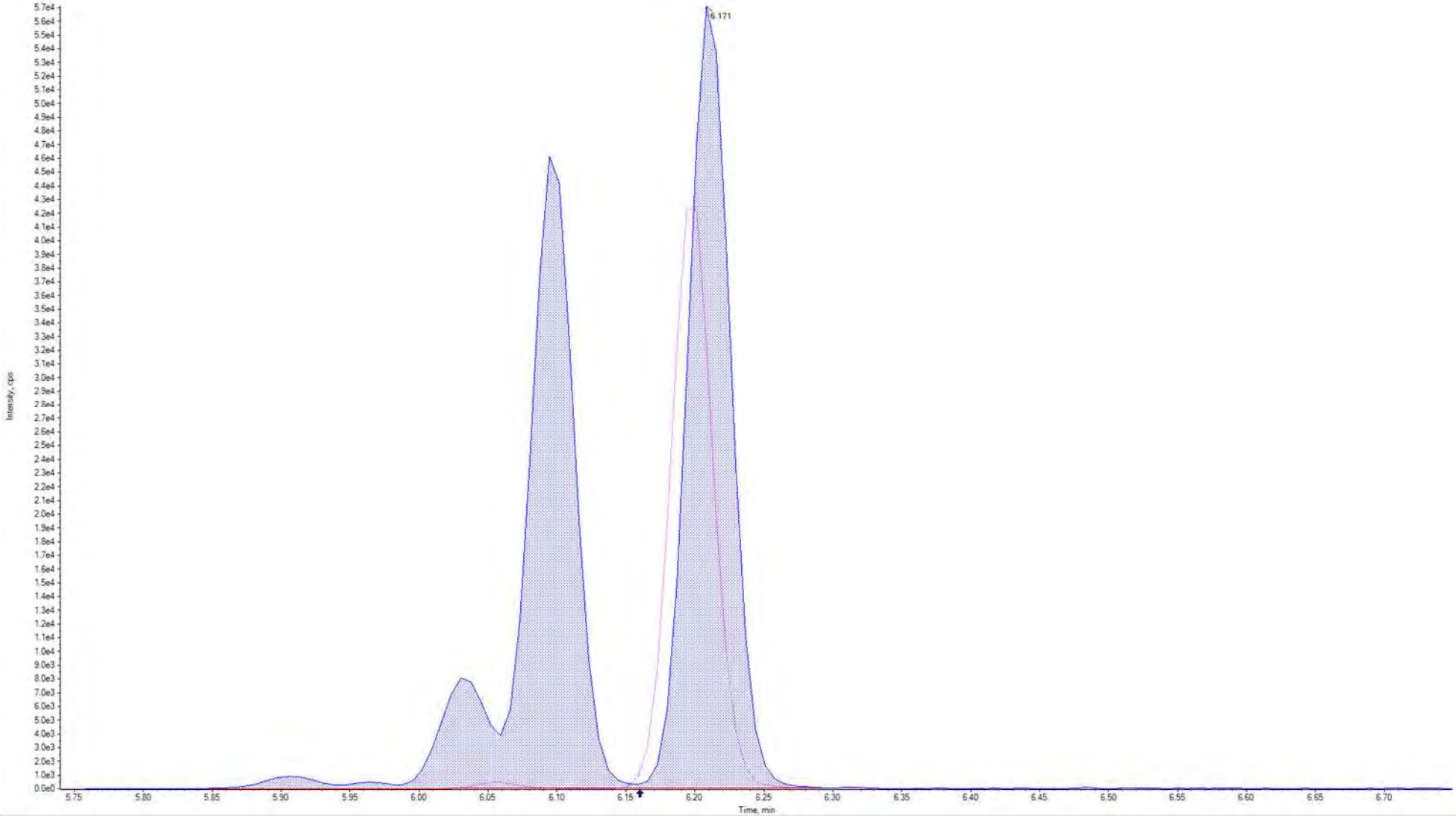
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

NEtFOSA
Sample: WG2013165-2,1633FMED S/N:808.8 Points Across peak:71



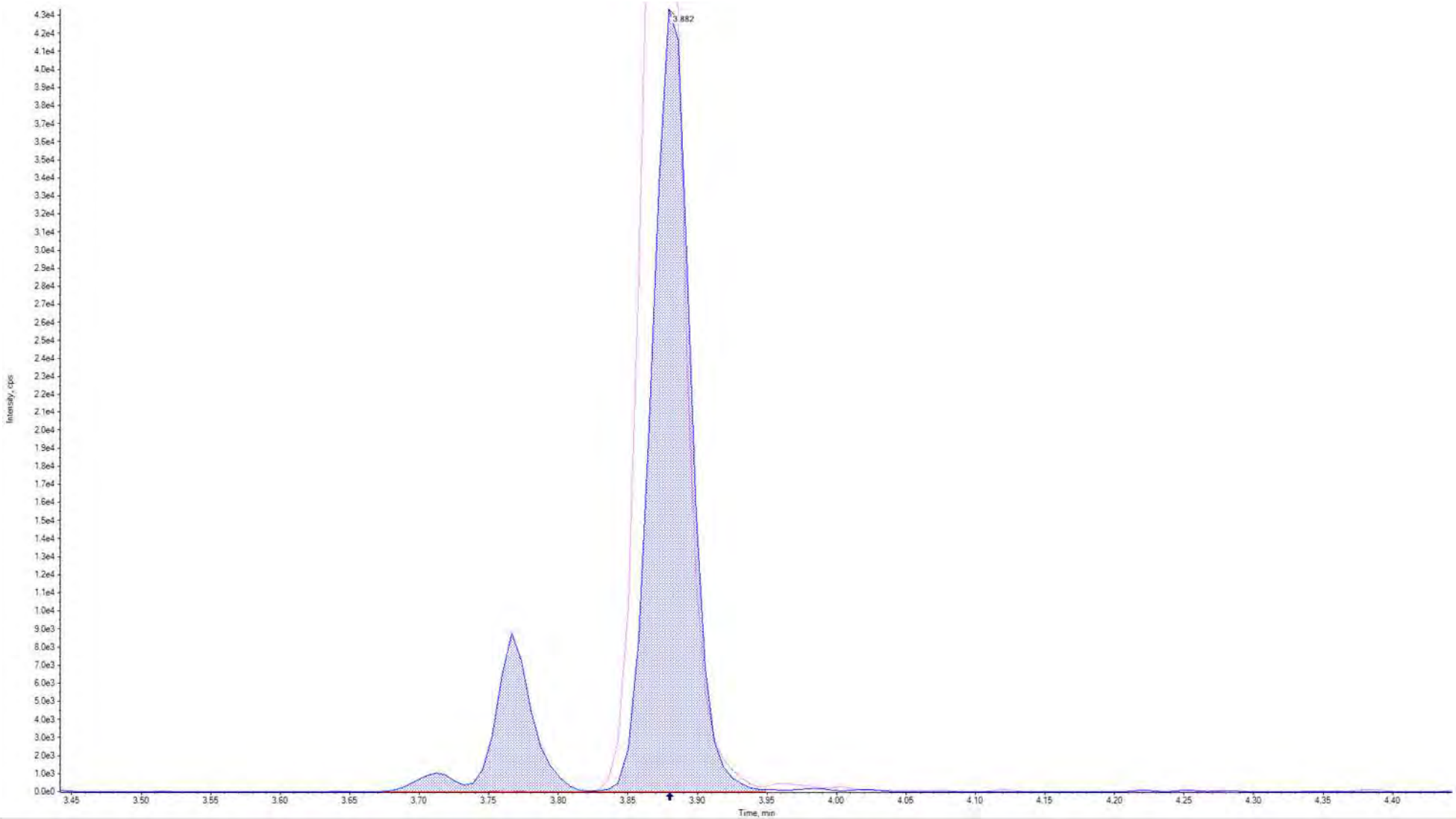
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

NEtFOSA_2
Sample: WG2013165-2,1633FMED S/N:629.0 Points Across peak:65



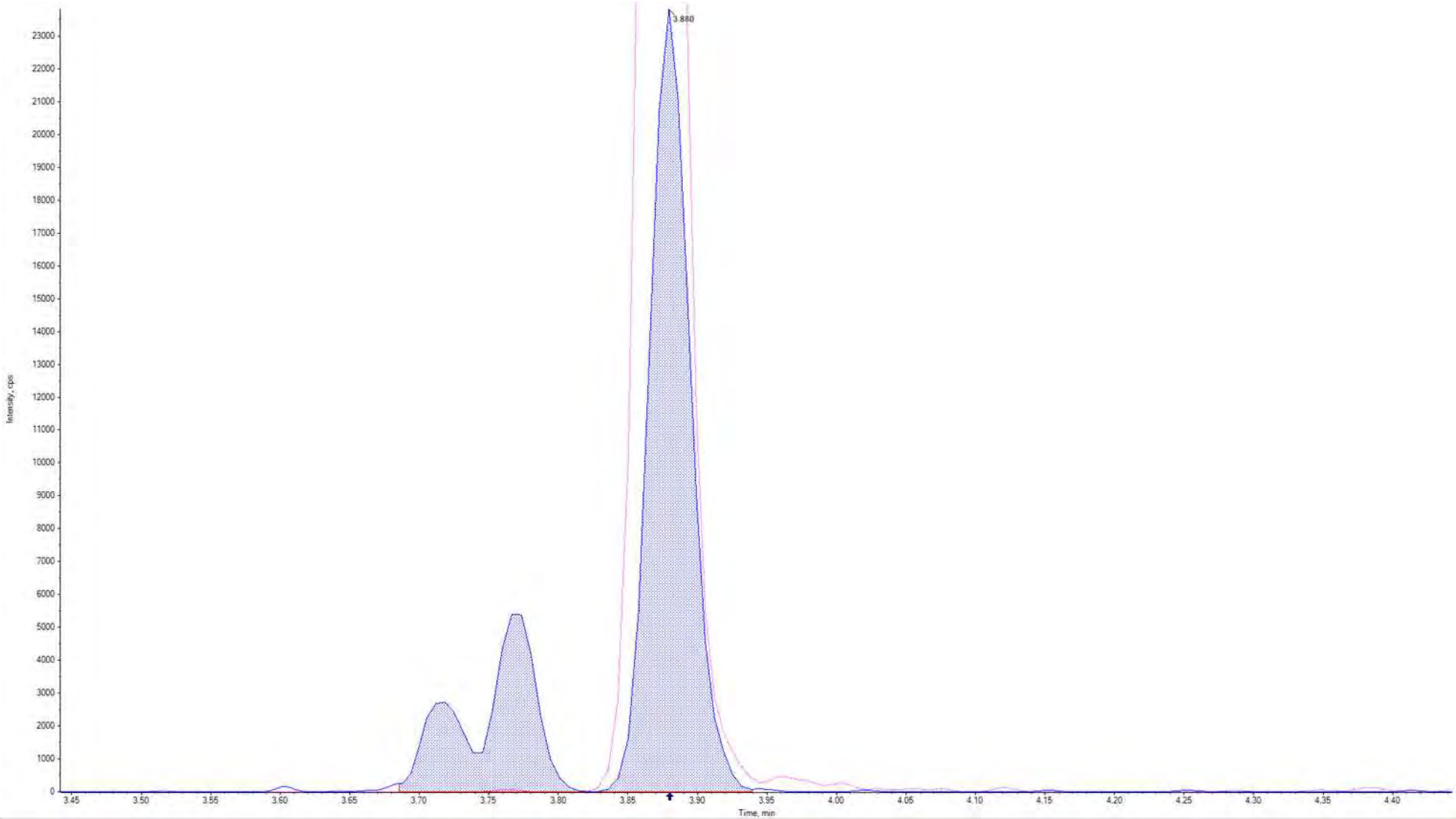
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

NMeFOSAA
Sample: WG2013165-2,1633FMED S/N:574.7 Points Across peak:43



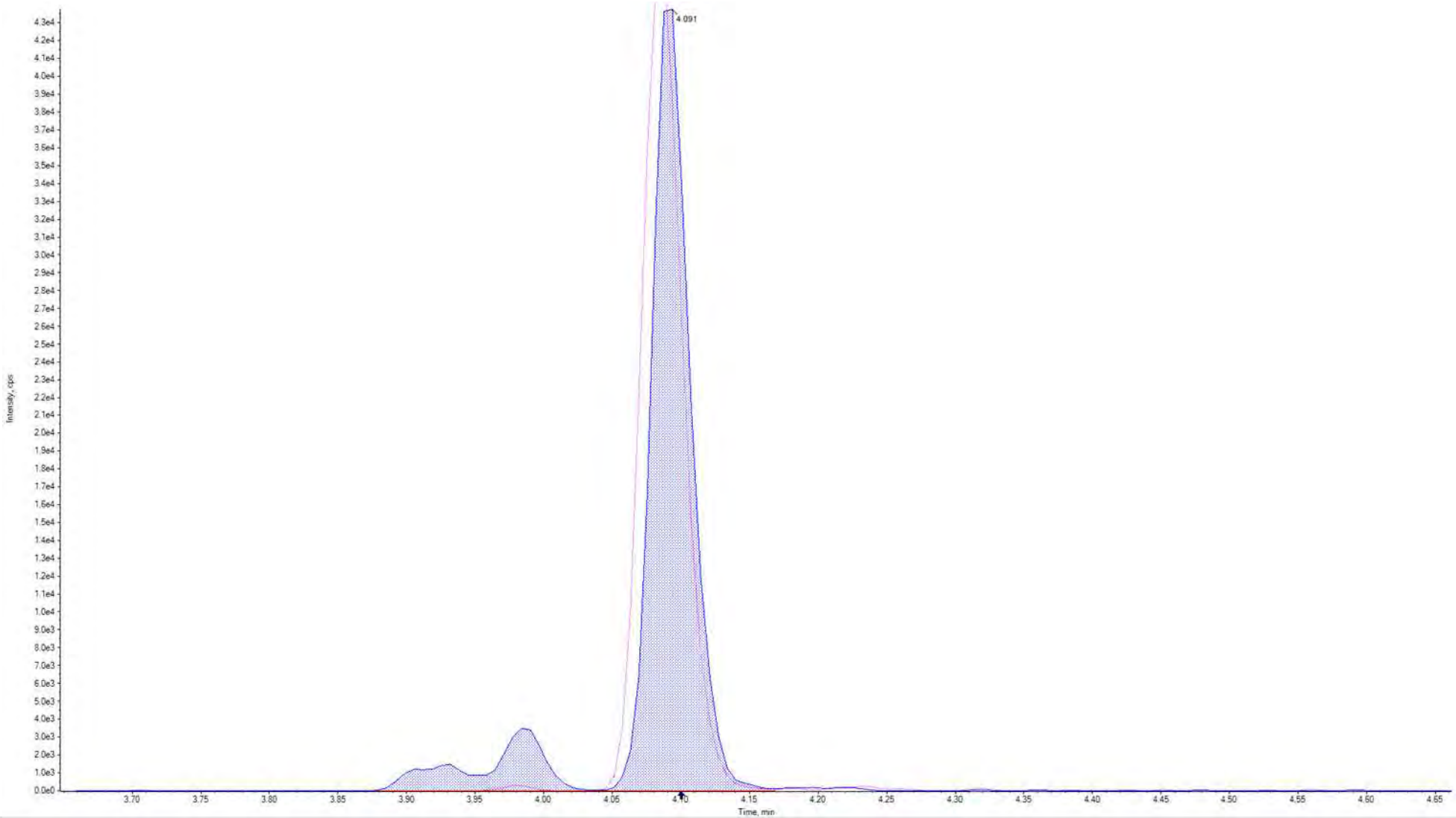
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

NMeFOSAA_2
Sample: WG2013165-2,1633FMED S/N:477.6 Points Across peak:40



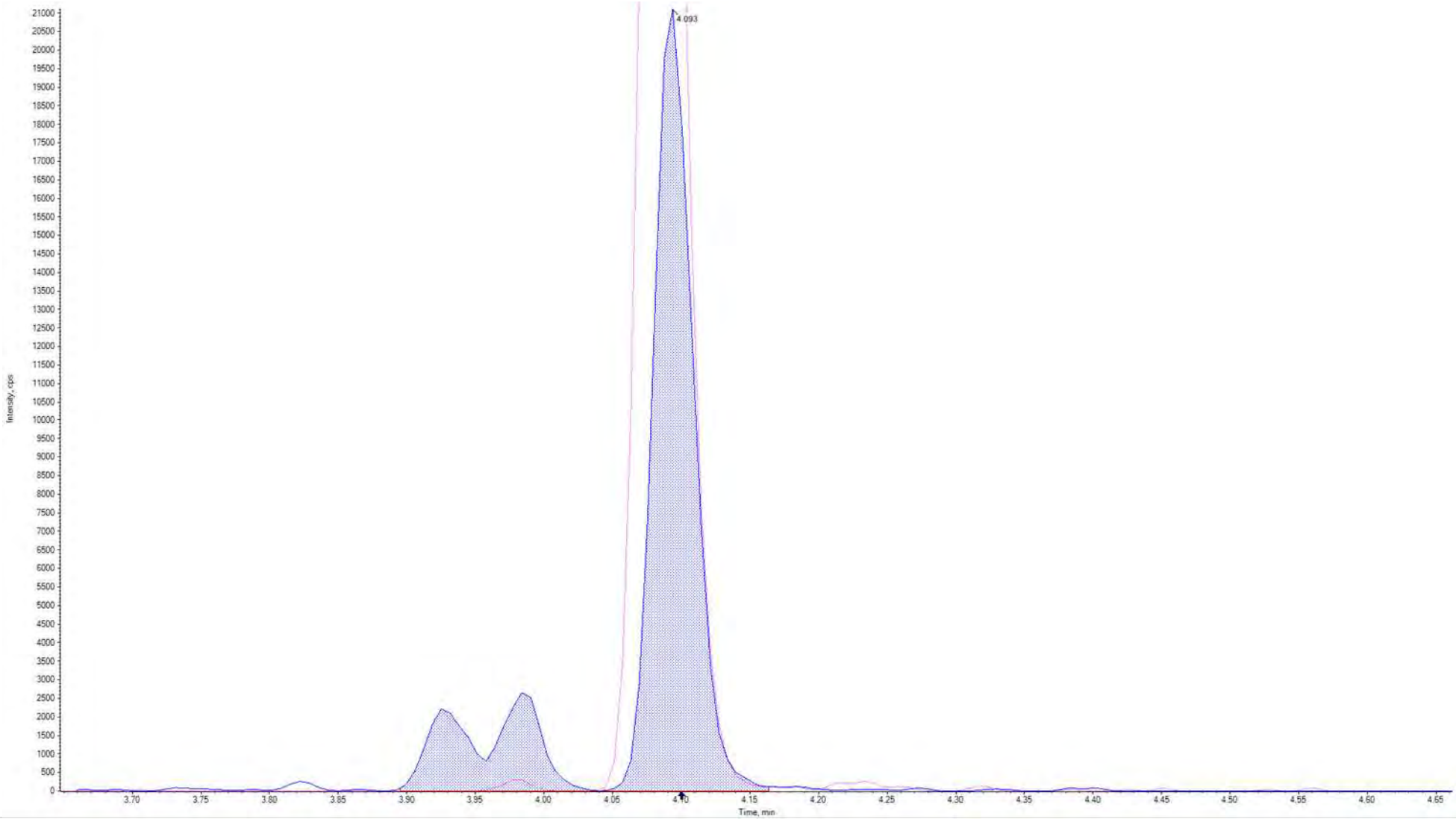
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

NEtFOSAA
Sample: WG2013165-2,1633FMED S/N:606.6 Points Across peak:48



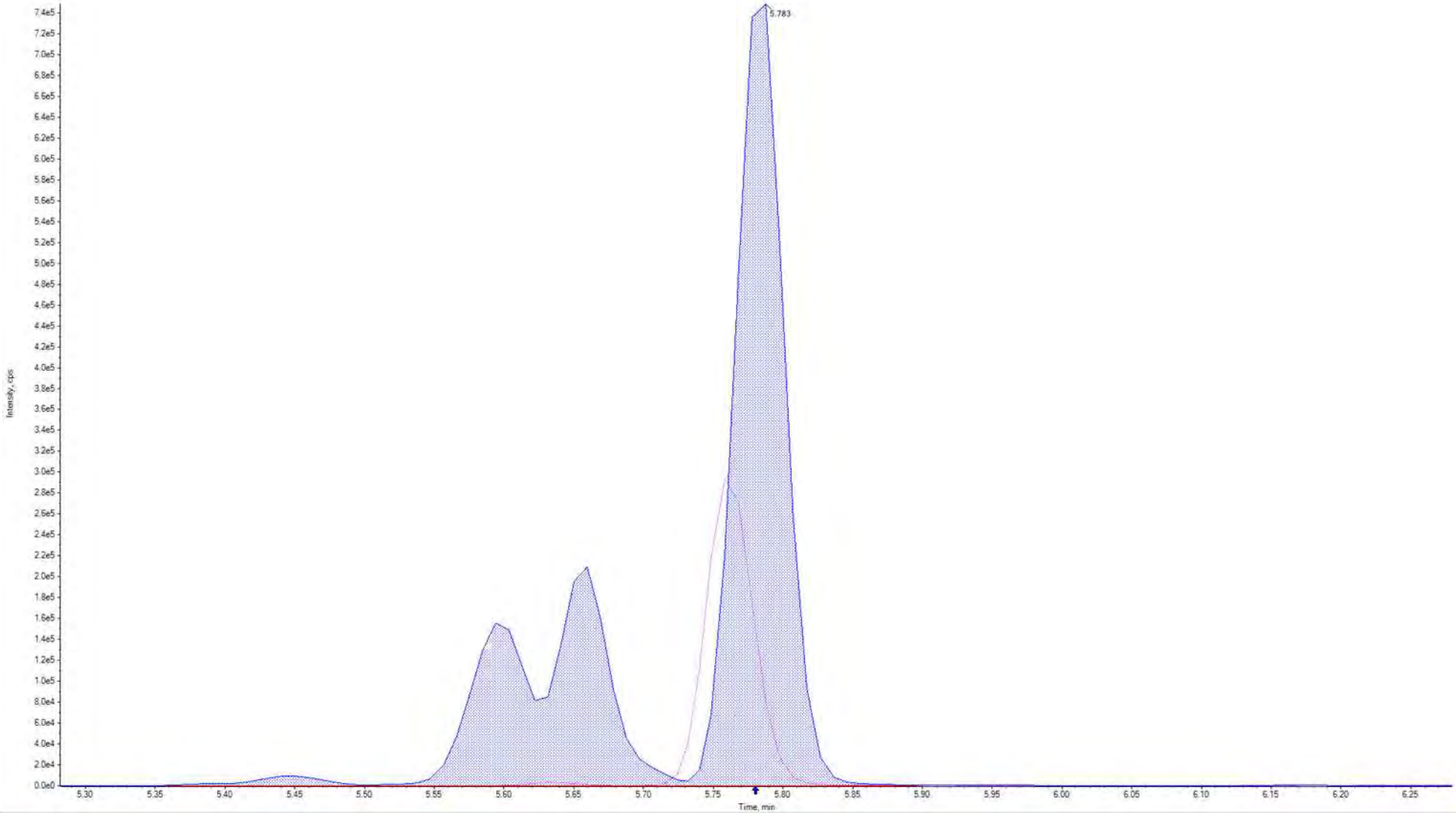
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

NEtFOSAA_2
Sample: WG2013165-2,1633FMED S/N:353.9 Points Across peak:44



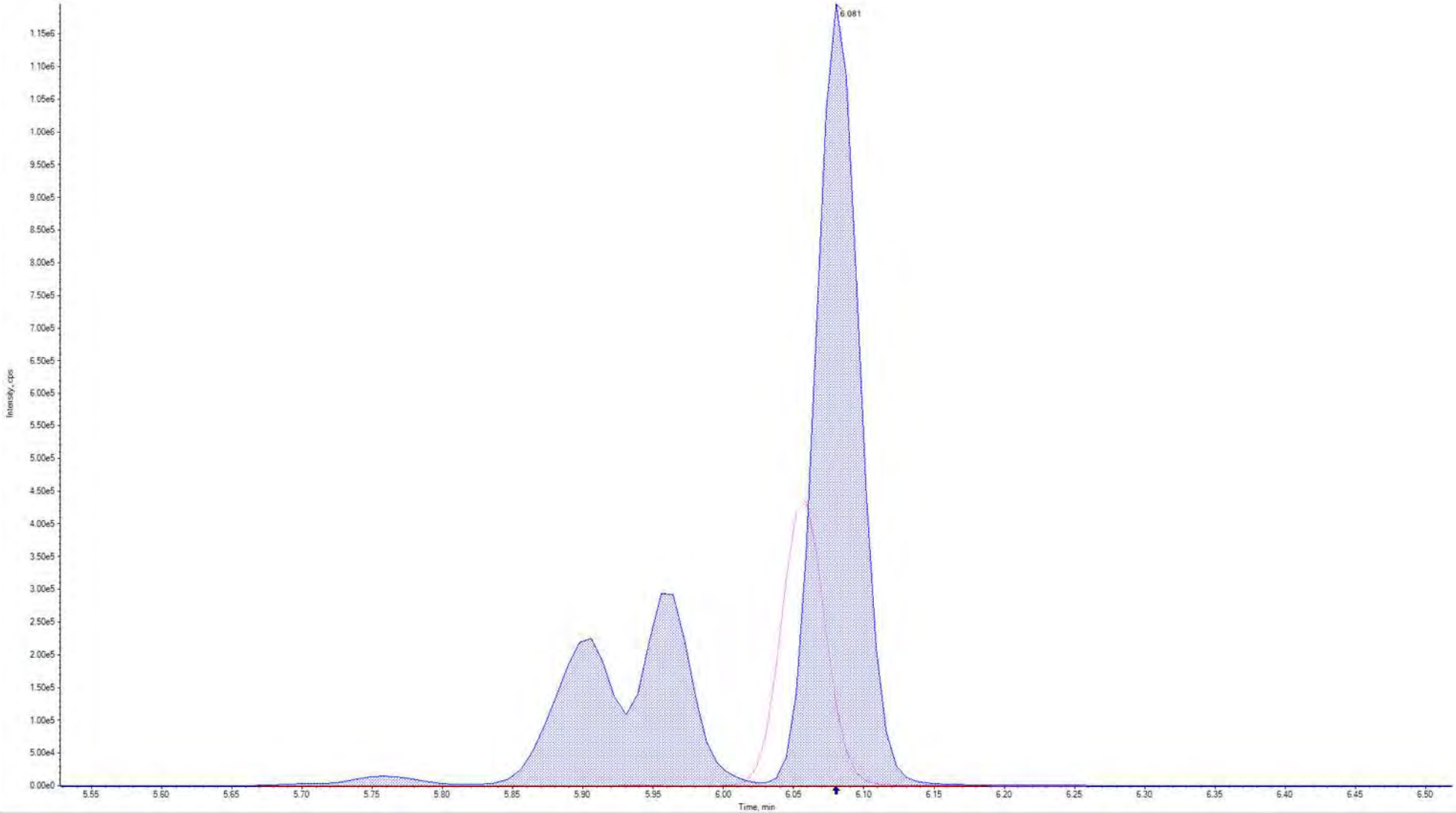
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

NMeFOSE
Sample: WG2013165-2,1633FMED S/N:235.2 Points Across peak:64



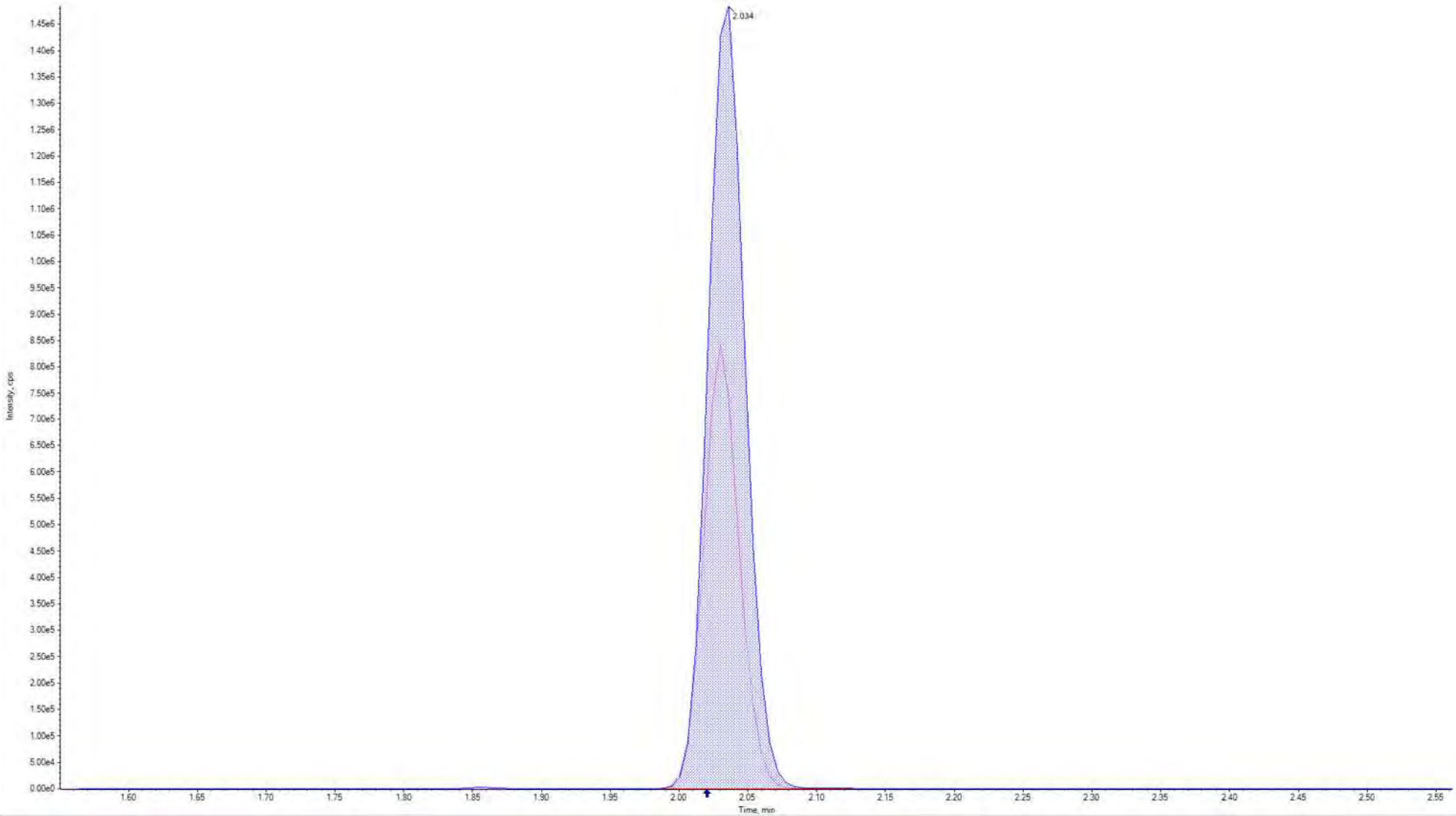
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

NEtFOSE
Sample: WG2013165-2,1633FMED S/N:294.8 Points Across peak:68



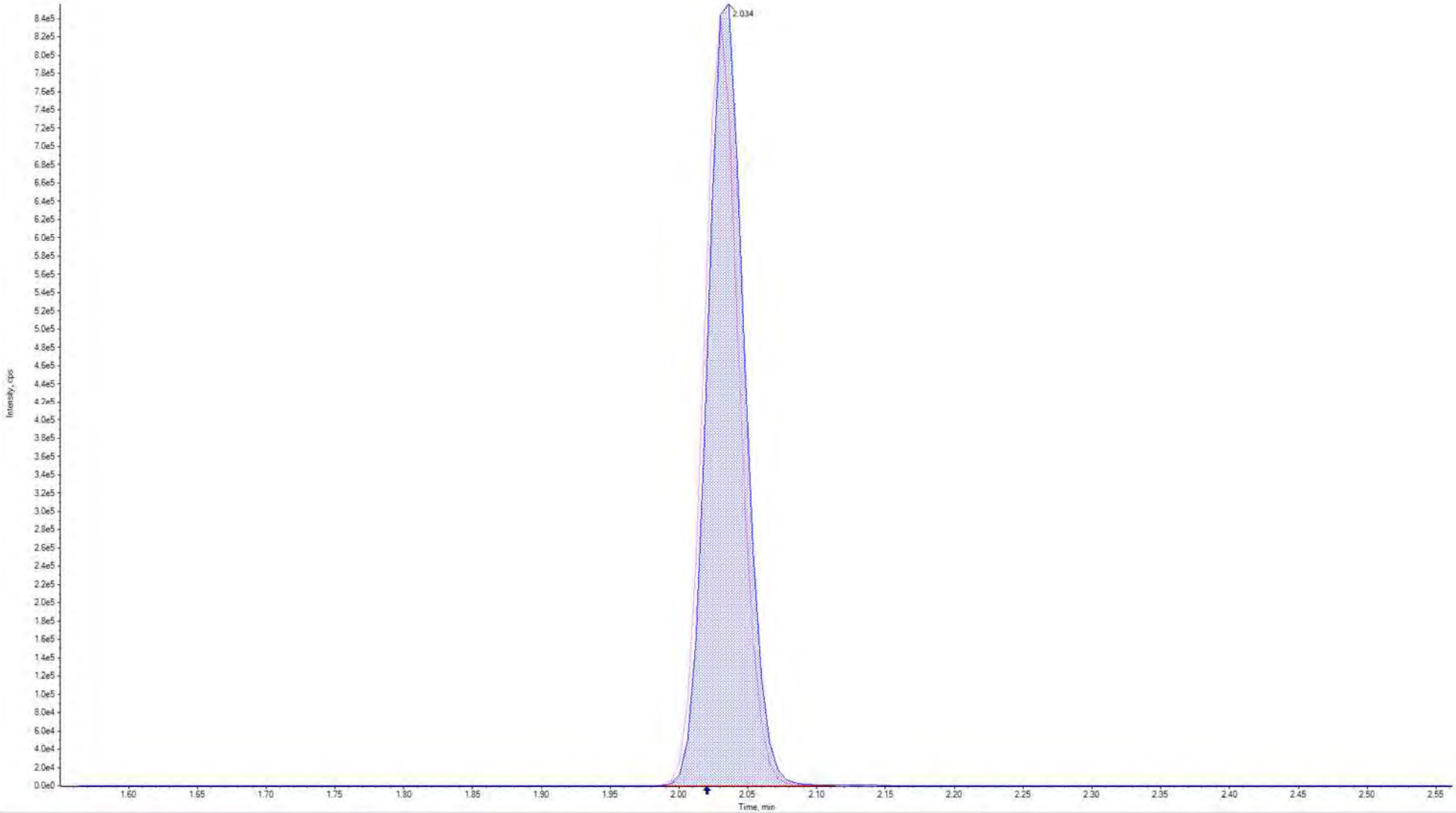
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

HFPO-DA
Sample: WG2013165-2,1633FMED S/N:33484.2 Points Across peak:30



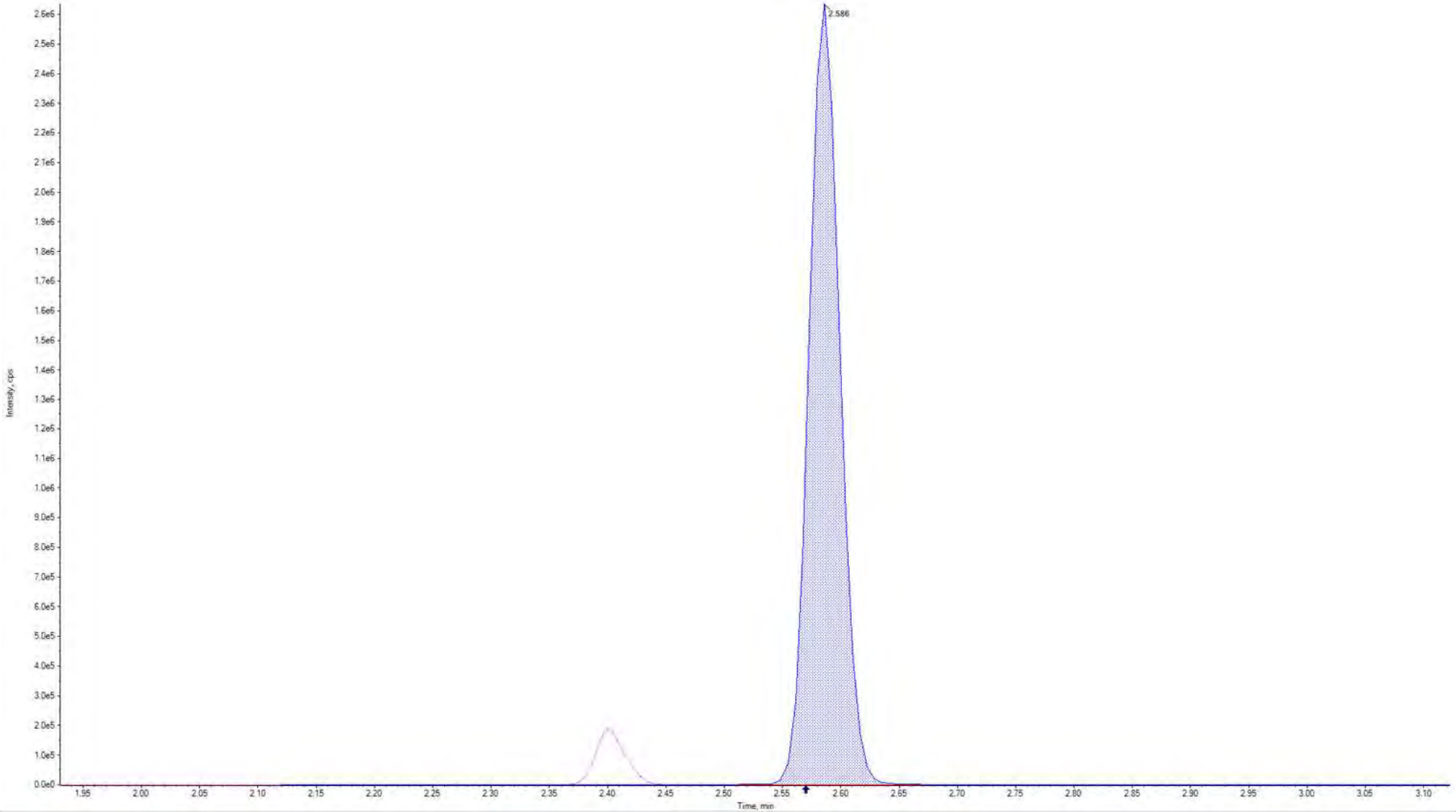
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

HFPO-DA_2
Sample: WG2013165-2,1633FMED S/N:19309.8 Points Across peak:24



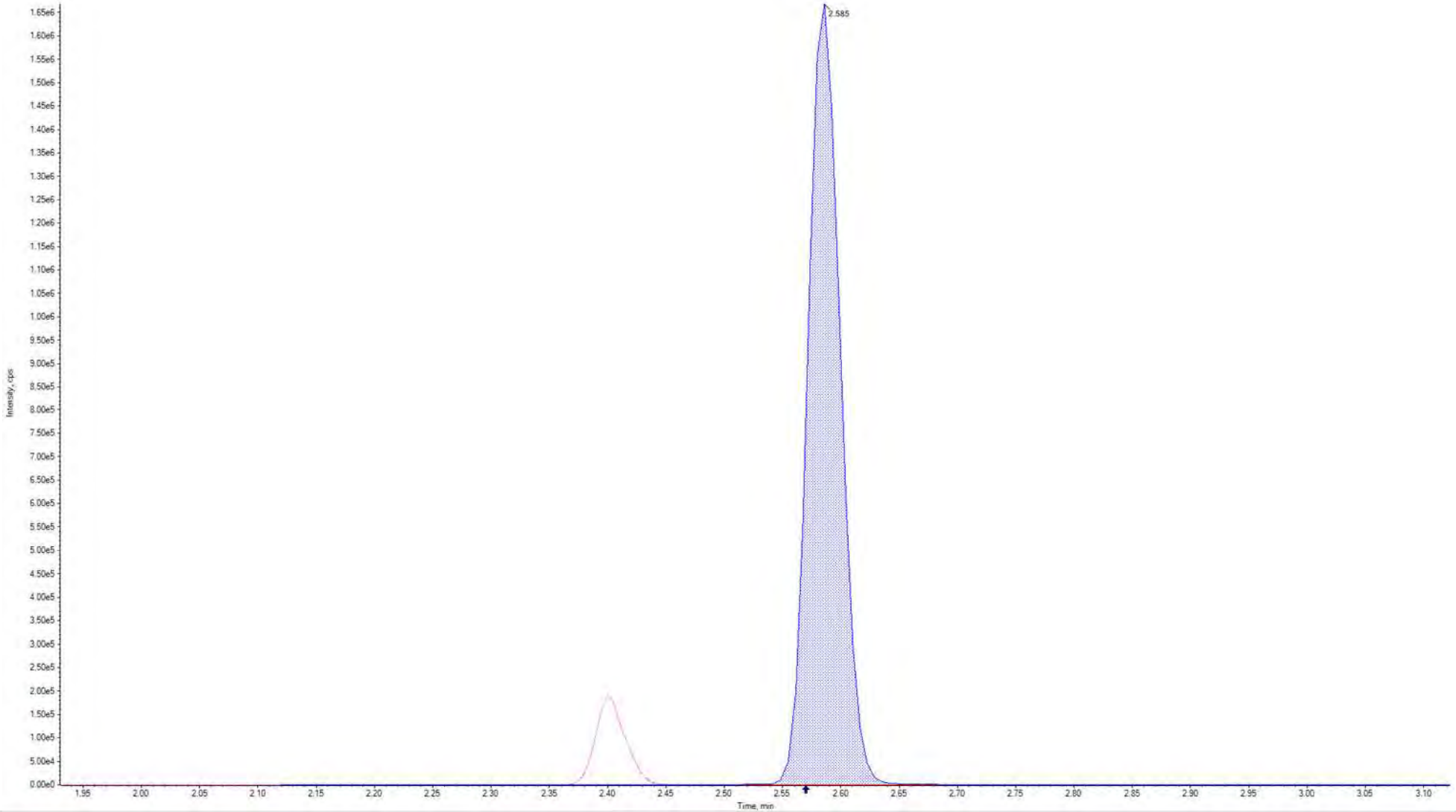
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

ADONA
Sample: WG2013165-2,1633FMED S/N:52848.6 Points Across peak:34



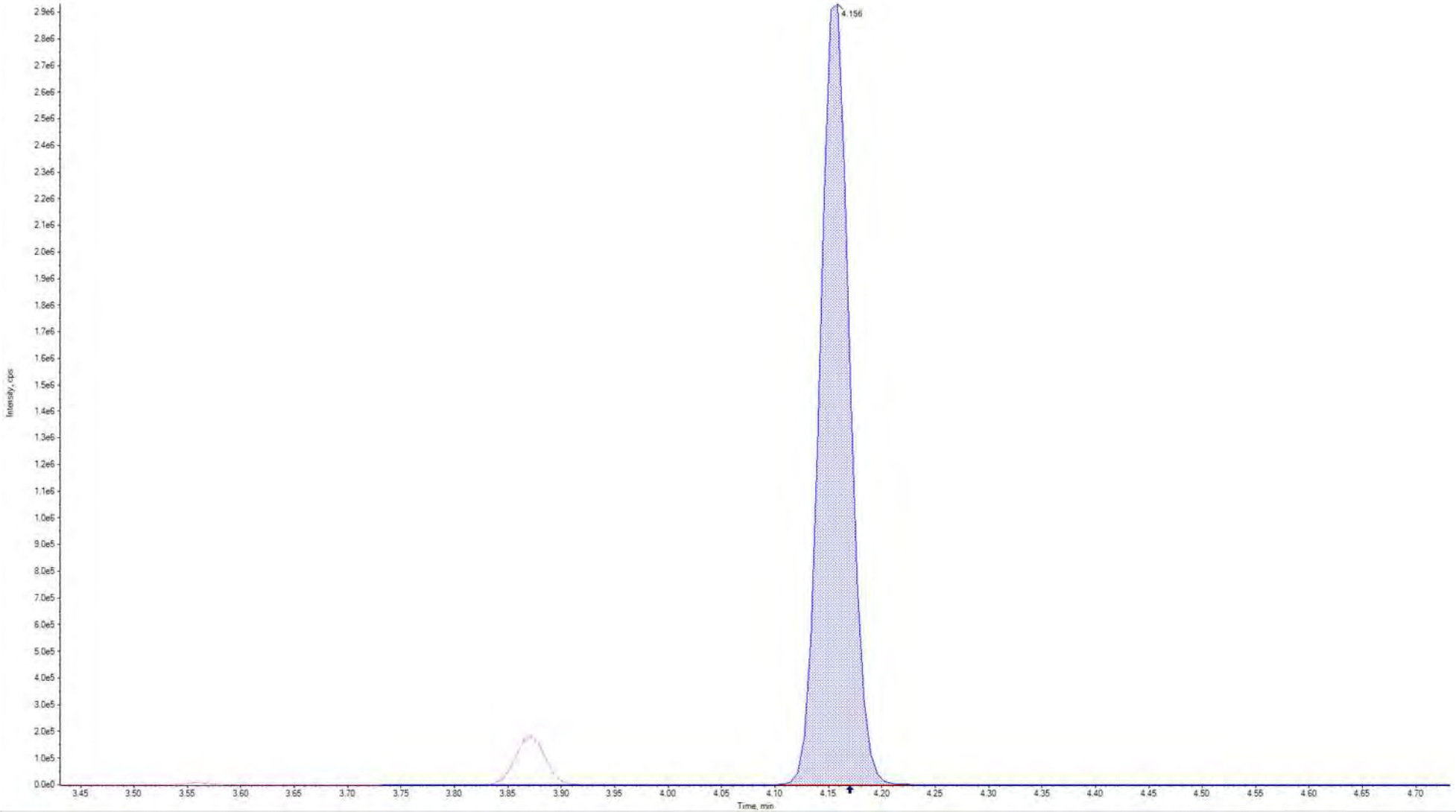
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

ADONA_2
Sample: WG2013165-2,1633FMED S/N:6512.0 Points Across peak:41



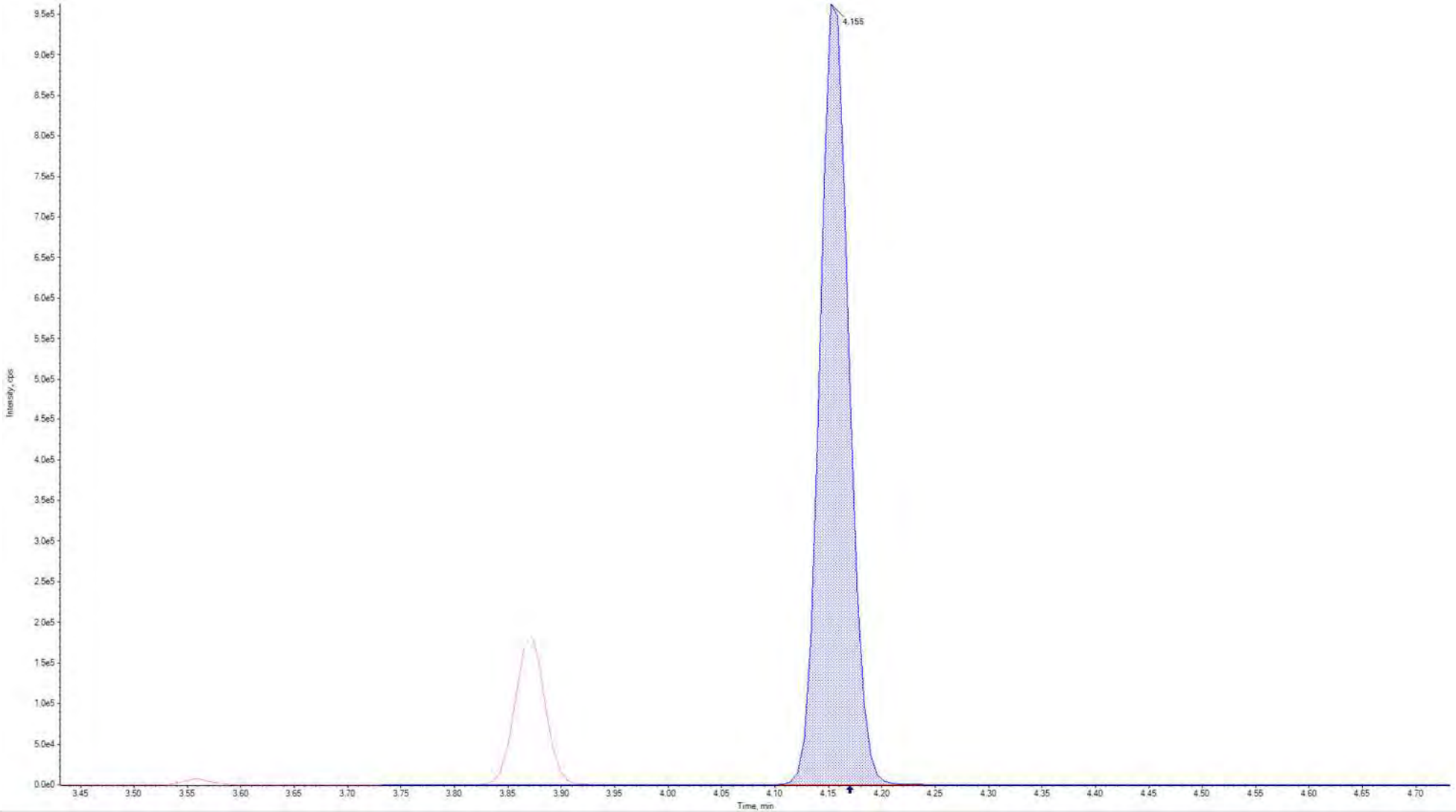
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

9Cl-PF3ONS
Sample: WG2013165-2,1633FMED S/N:66117.1 Points Across peak:27



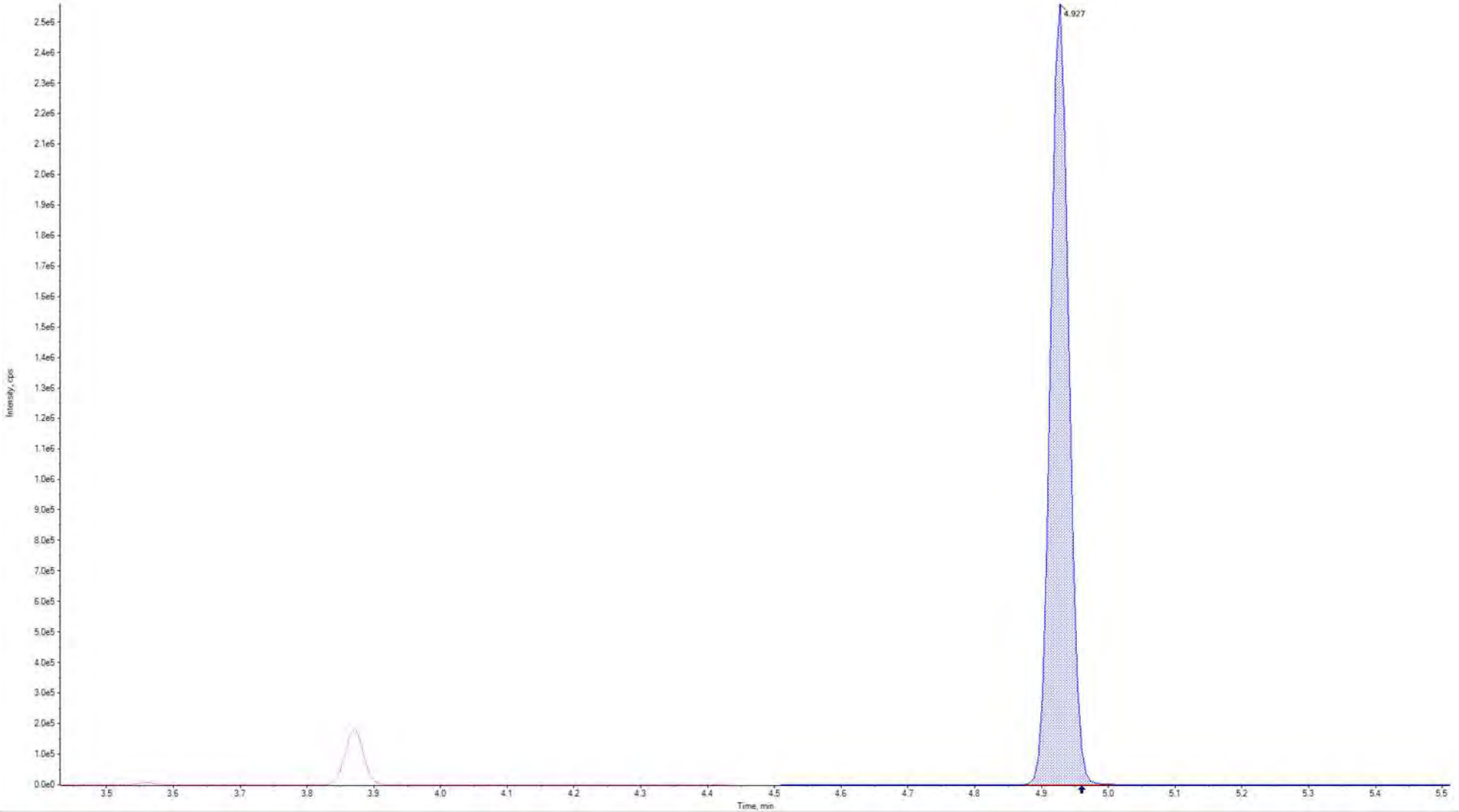
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

9Cl-PF3ONS_2
Sample: WG2013165-2,1633FMED S/N:6103.5 Points Across peak:35



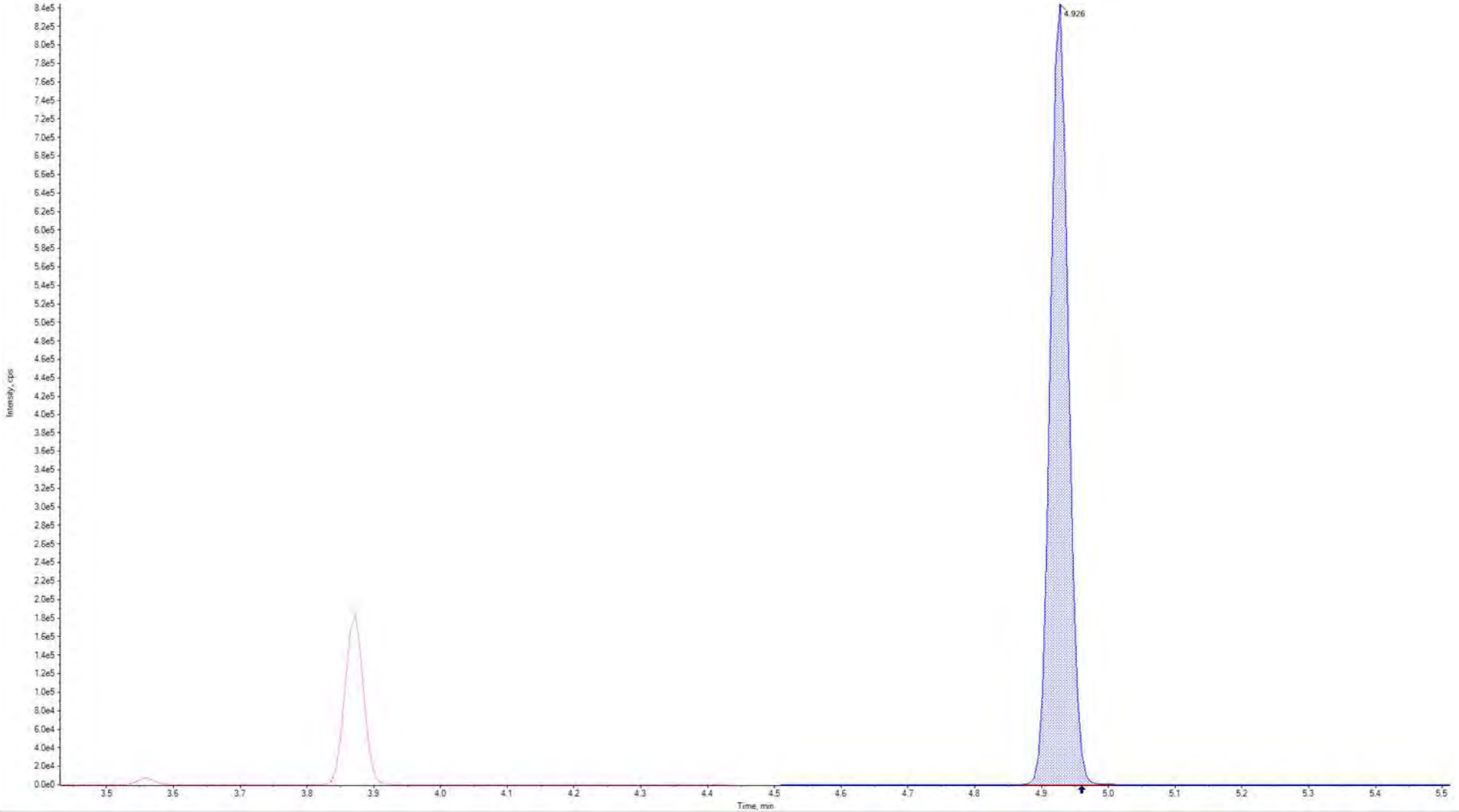
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

11Cl-PF3OUdS
Sample: WG2013165-2,1633FMED S/N:11673.2 Points Across peak:33



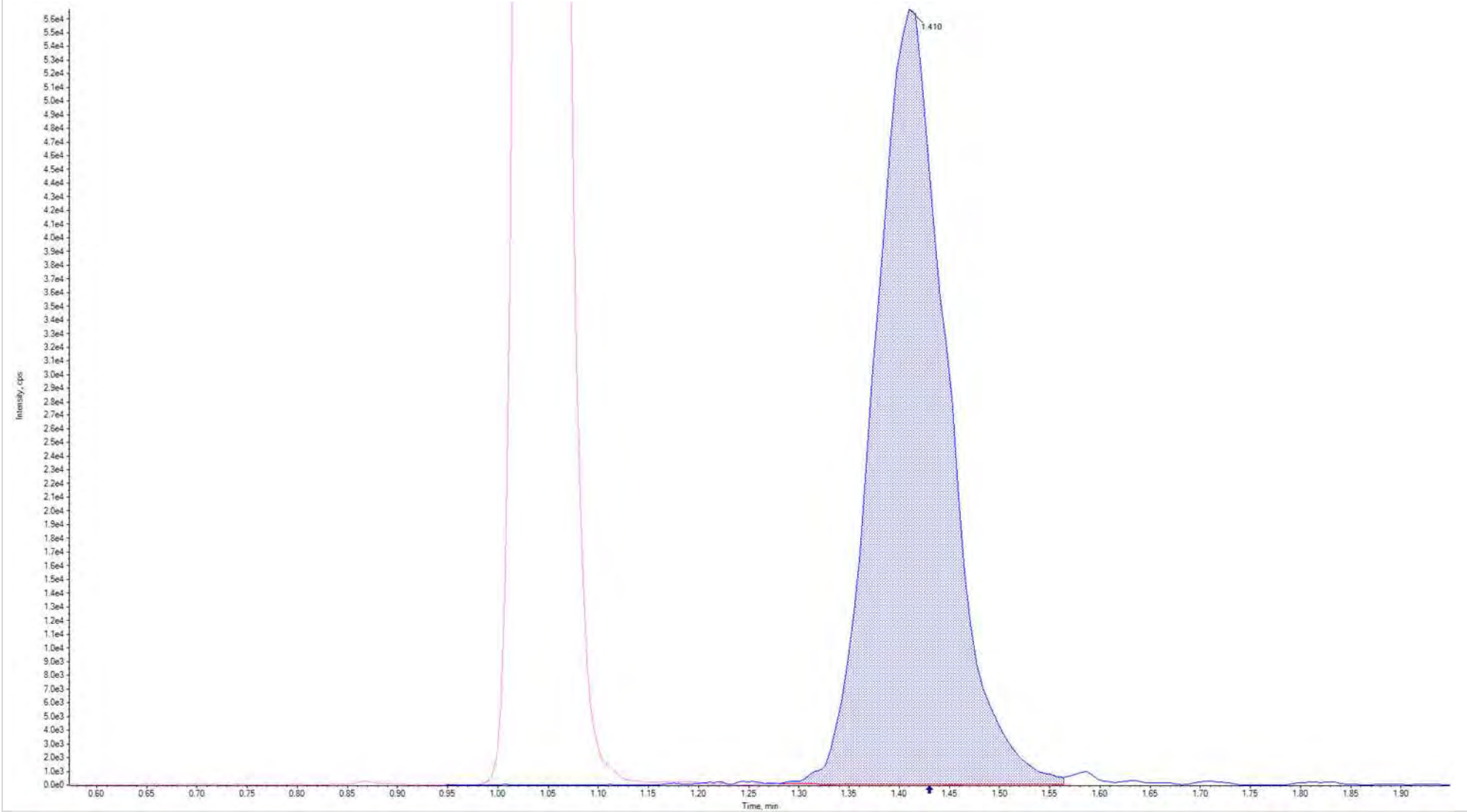
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

11Cl-PF3OUdS_2
Sample: WG2013165-2,1633FMED S/N:8195.0 Points Across peak:28



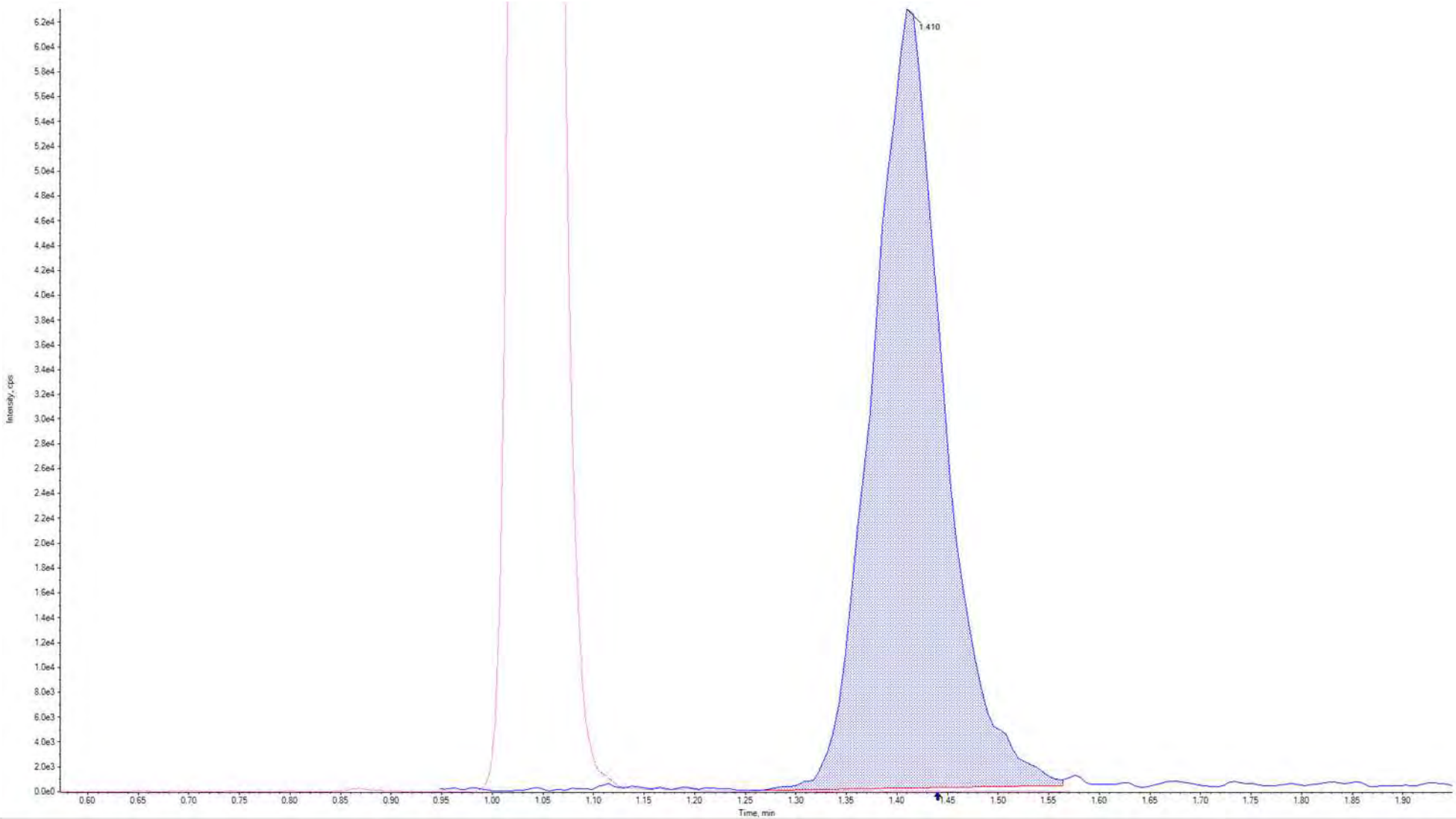
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

3:3FTCA
Sample: WG2013165-2,1633FMED S/N:1420.0 Points Across peak:51



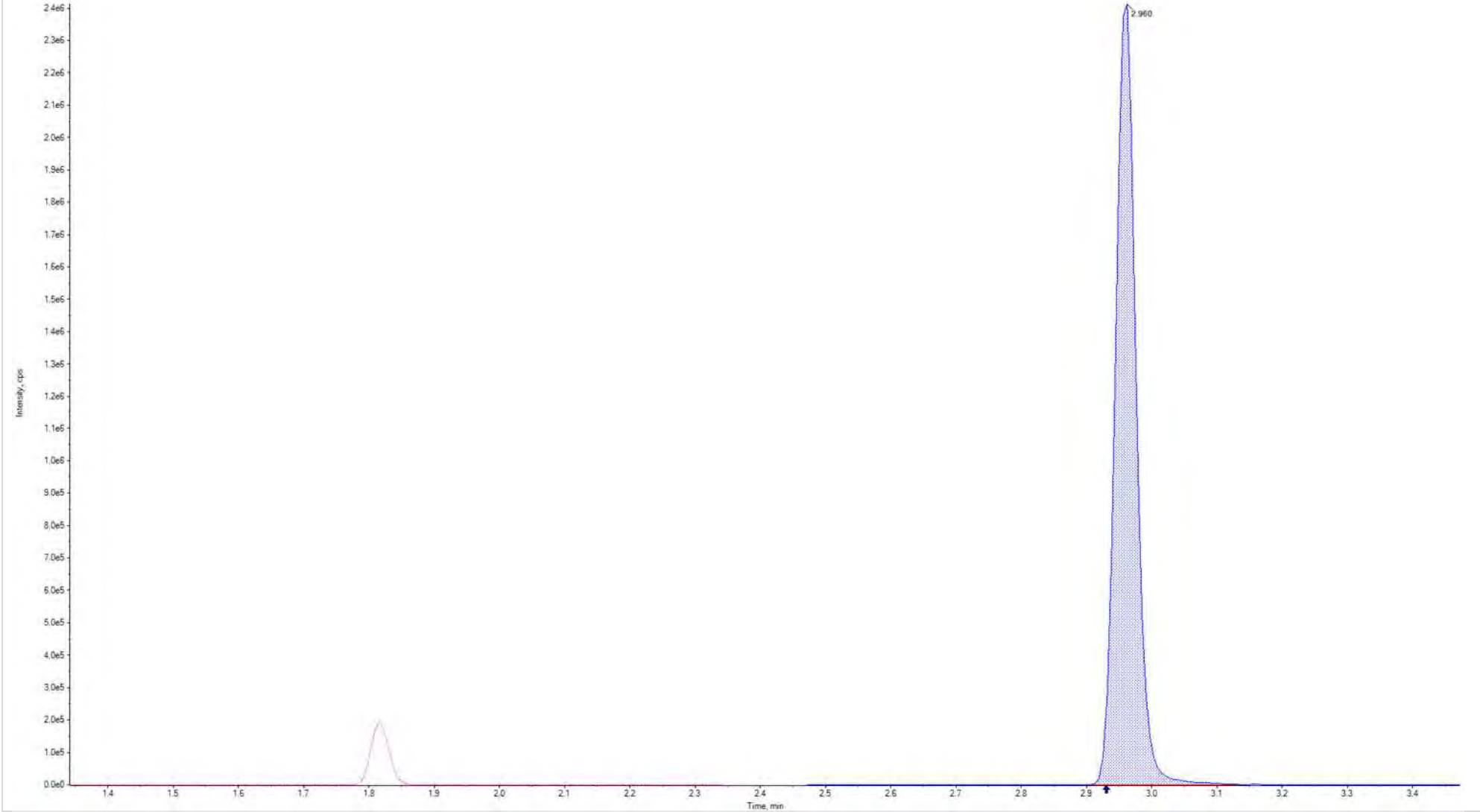
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

3:3FTCA_2
Sample: WG2013165-2,1633FMED S/N:1572.6 Points Across peak:54



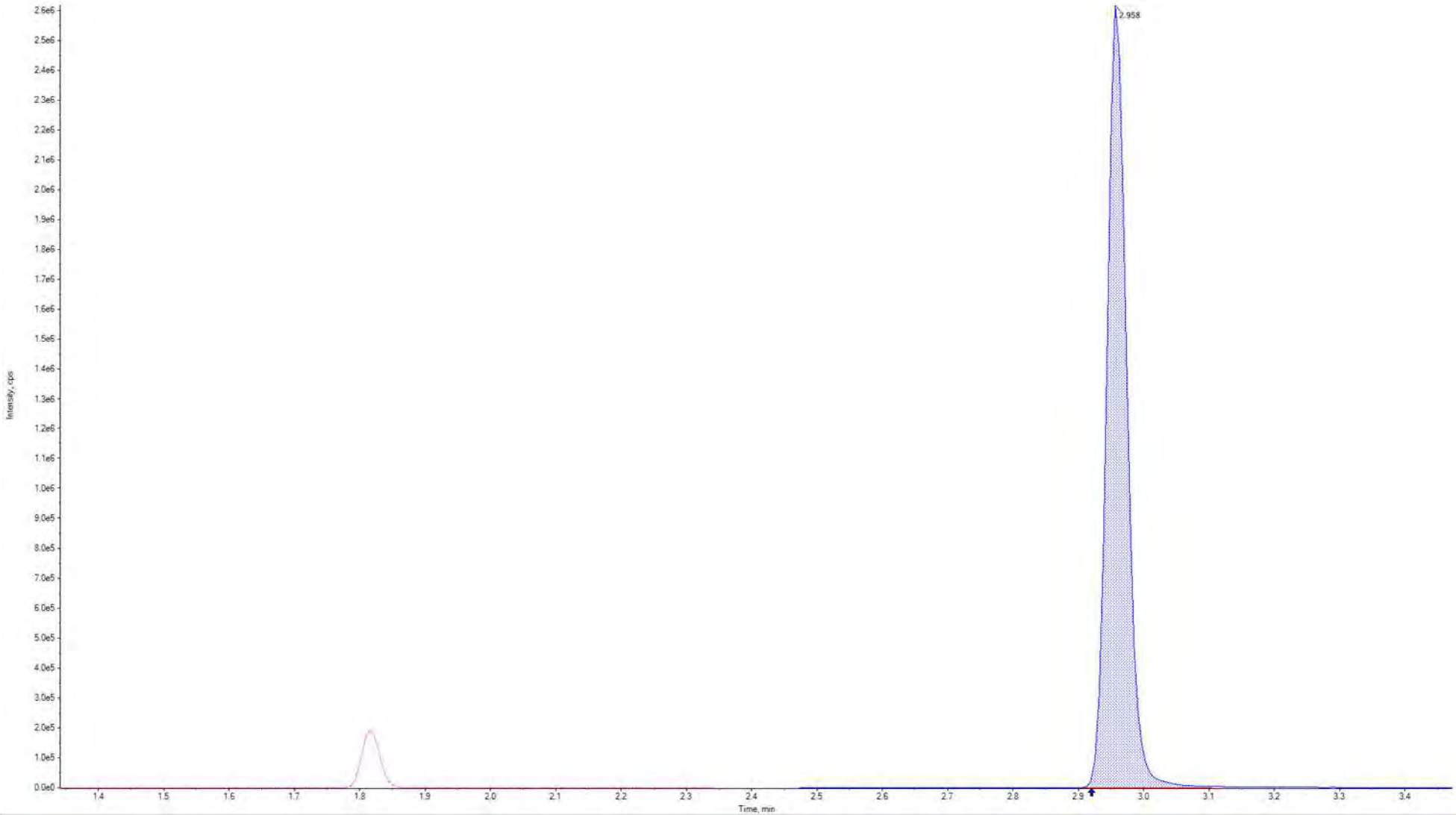
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

5:3FTCA
Sample: WG2013165-2,1633FMED S/N:54430.0 Points Across peak:44



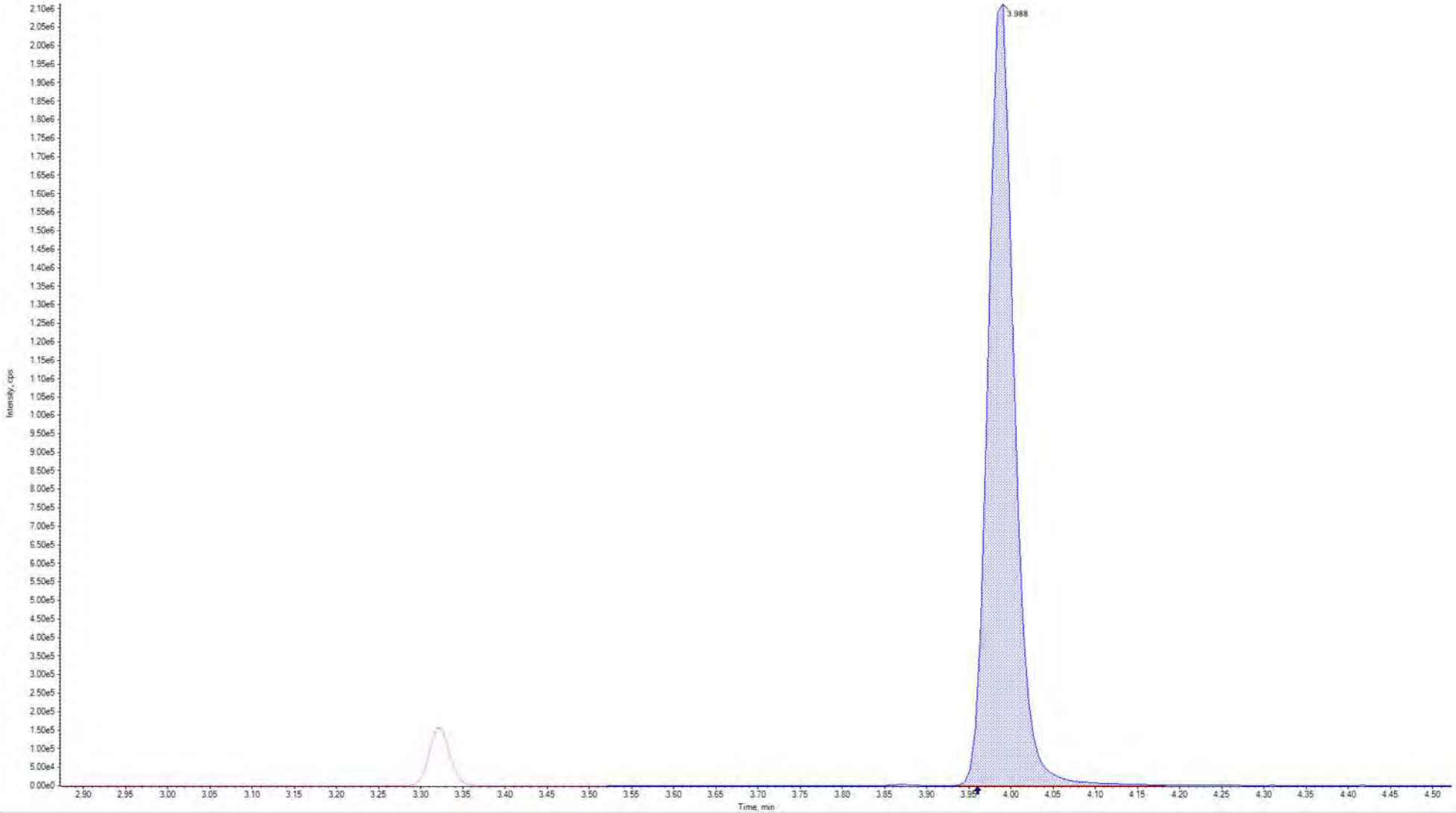
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

5:3FTCA_2
Sample: WG2013165-2,1633FMED S/N:6948.9 Points Across peak:37



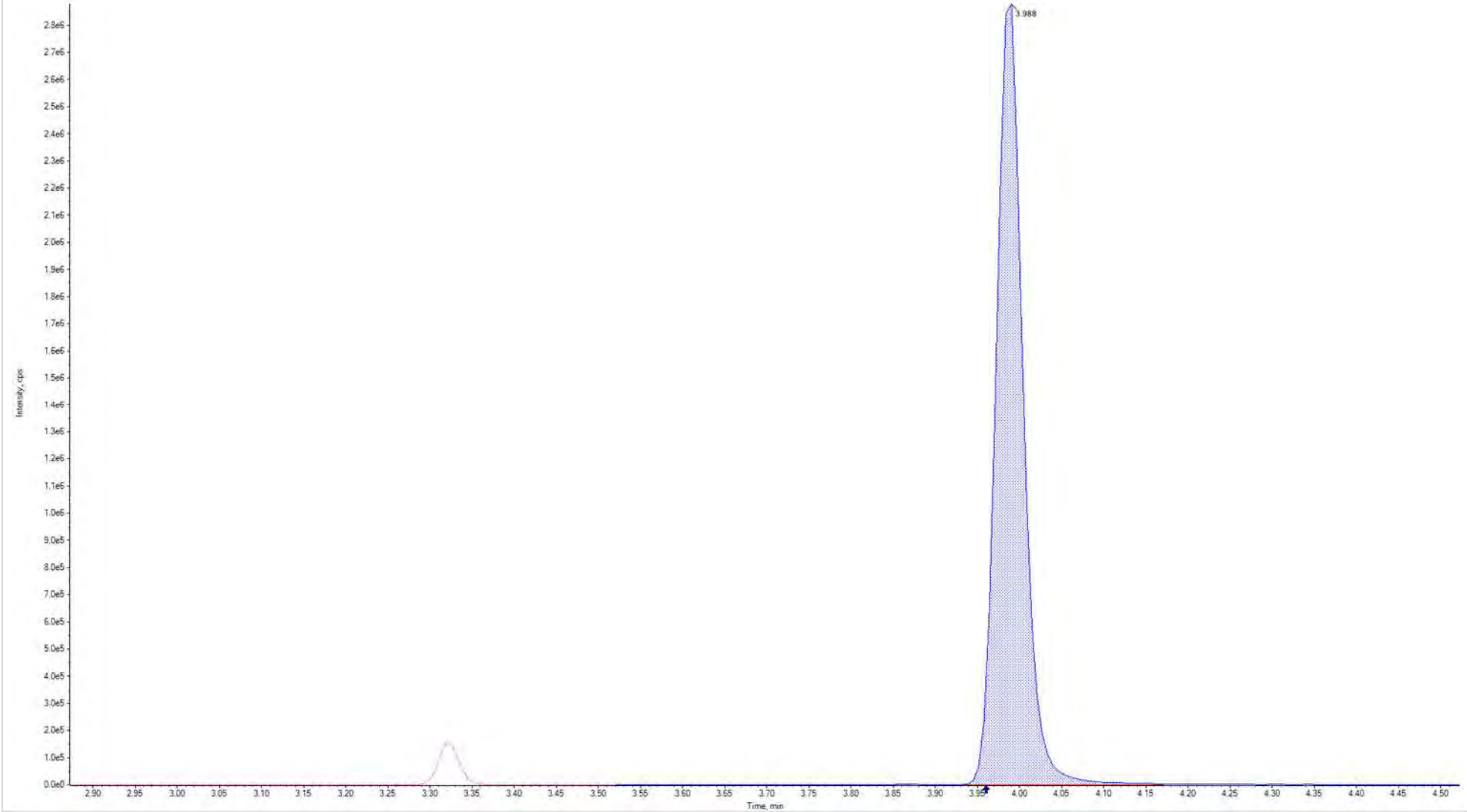
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

7:3FTCA
Sample: WG2013165-2,1633FMED S/N:58243.3 Points Across peak:42



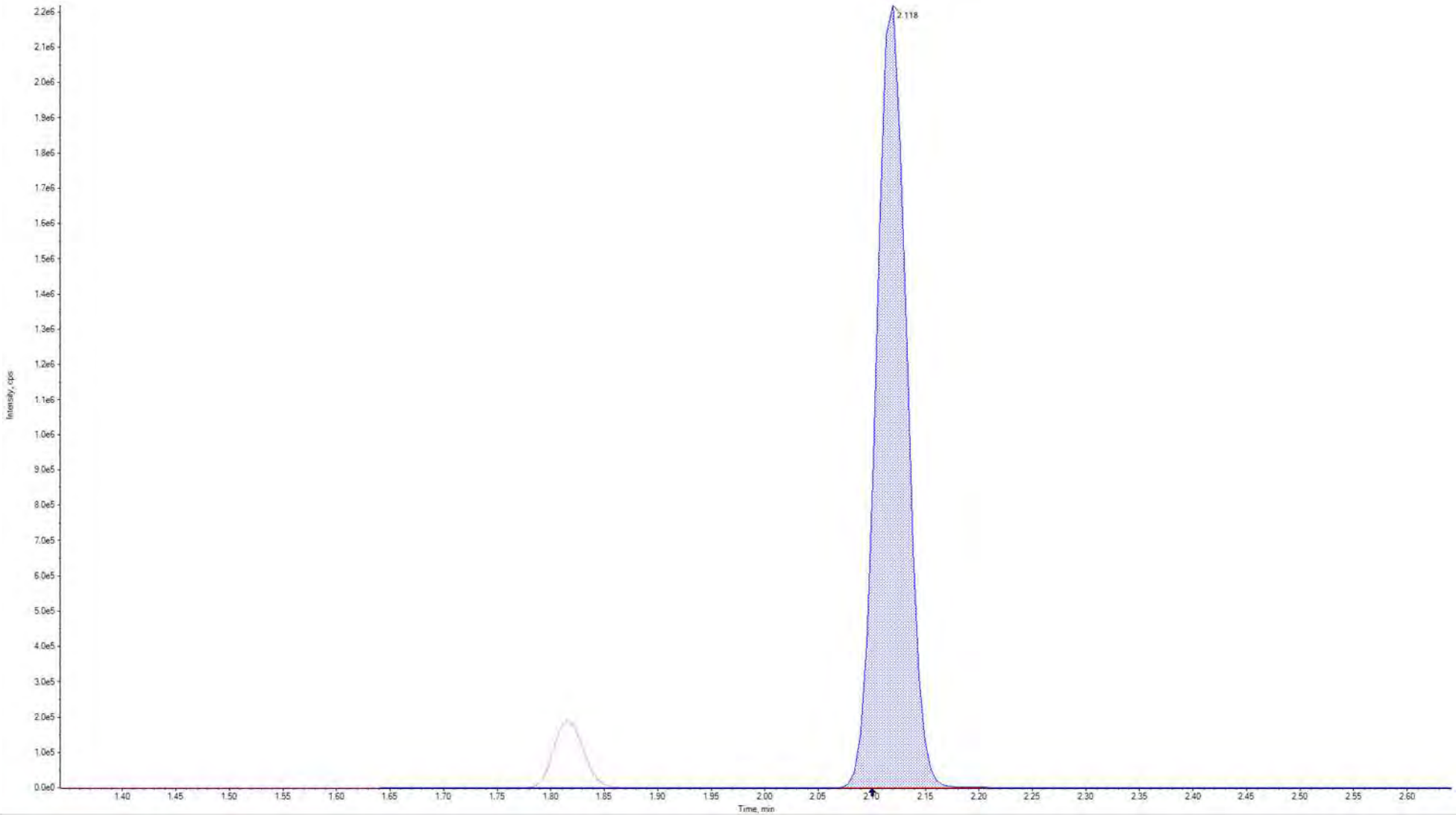
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

7:3FTCA_2
Sample: WG2013165-2,1633FMED S/N:79368.0 Points Across peak:42



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFEESA
Sample: WG2013165-2,1633FMED S/N:10771.0 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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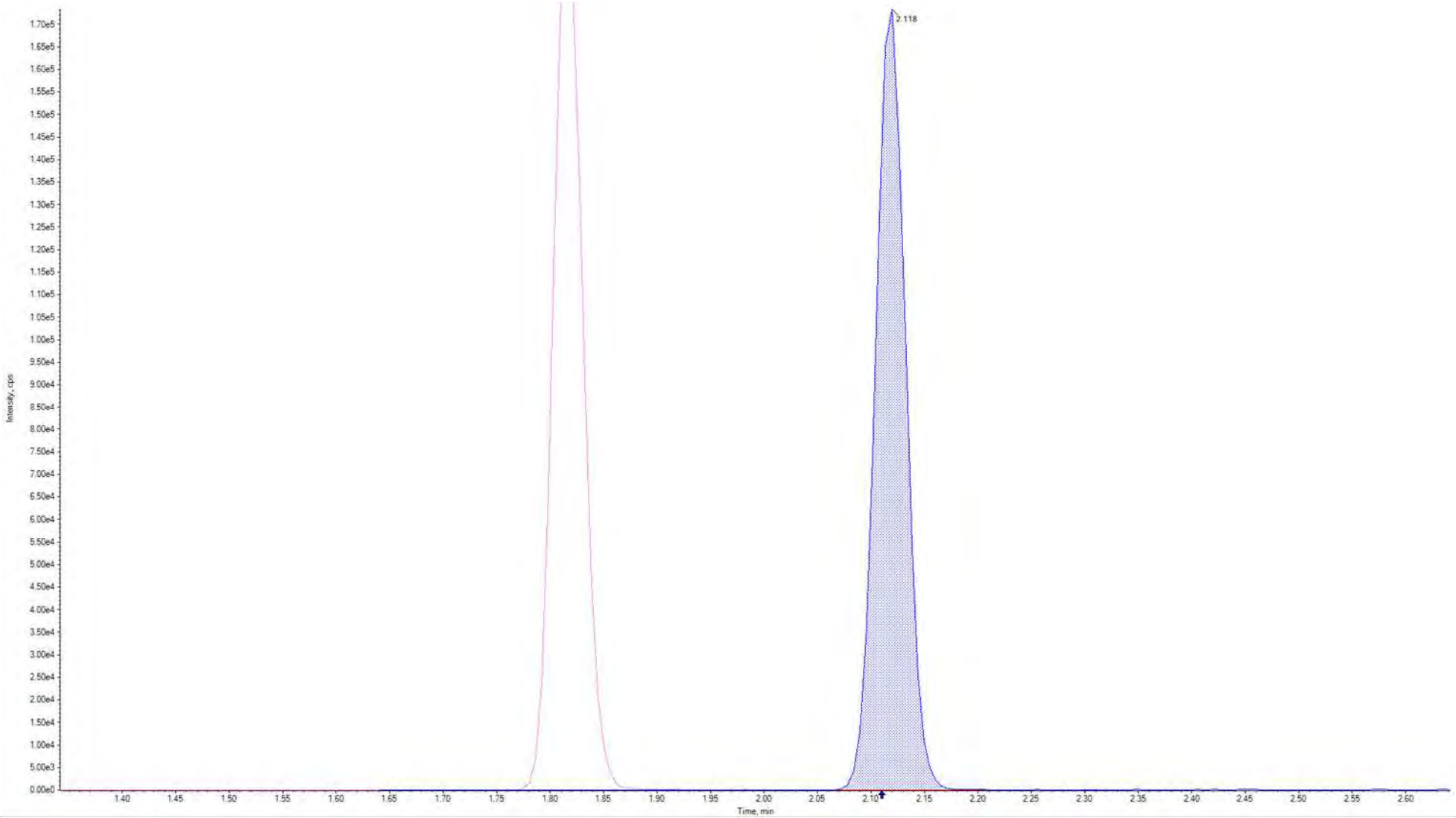
Generated: 12/24/2024 10:11:25 AM

PFEESA_2
Sample: WG2013165-2,1633FMED S/N:3739.0 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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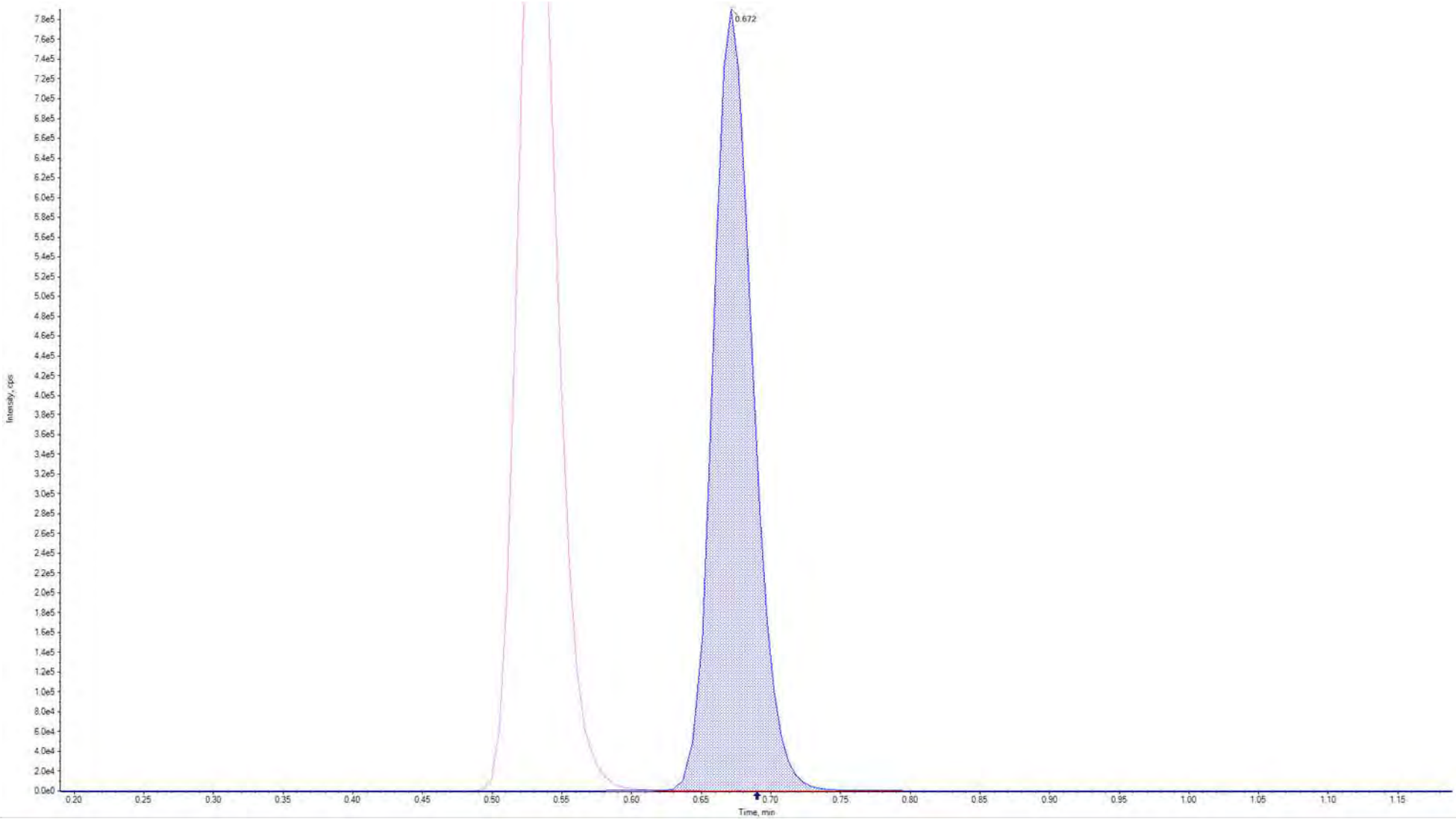
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFMPA
Sample: WG2013165-2,1633FMED S/N:14795.9 Points Across peak:36



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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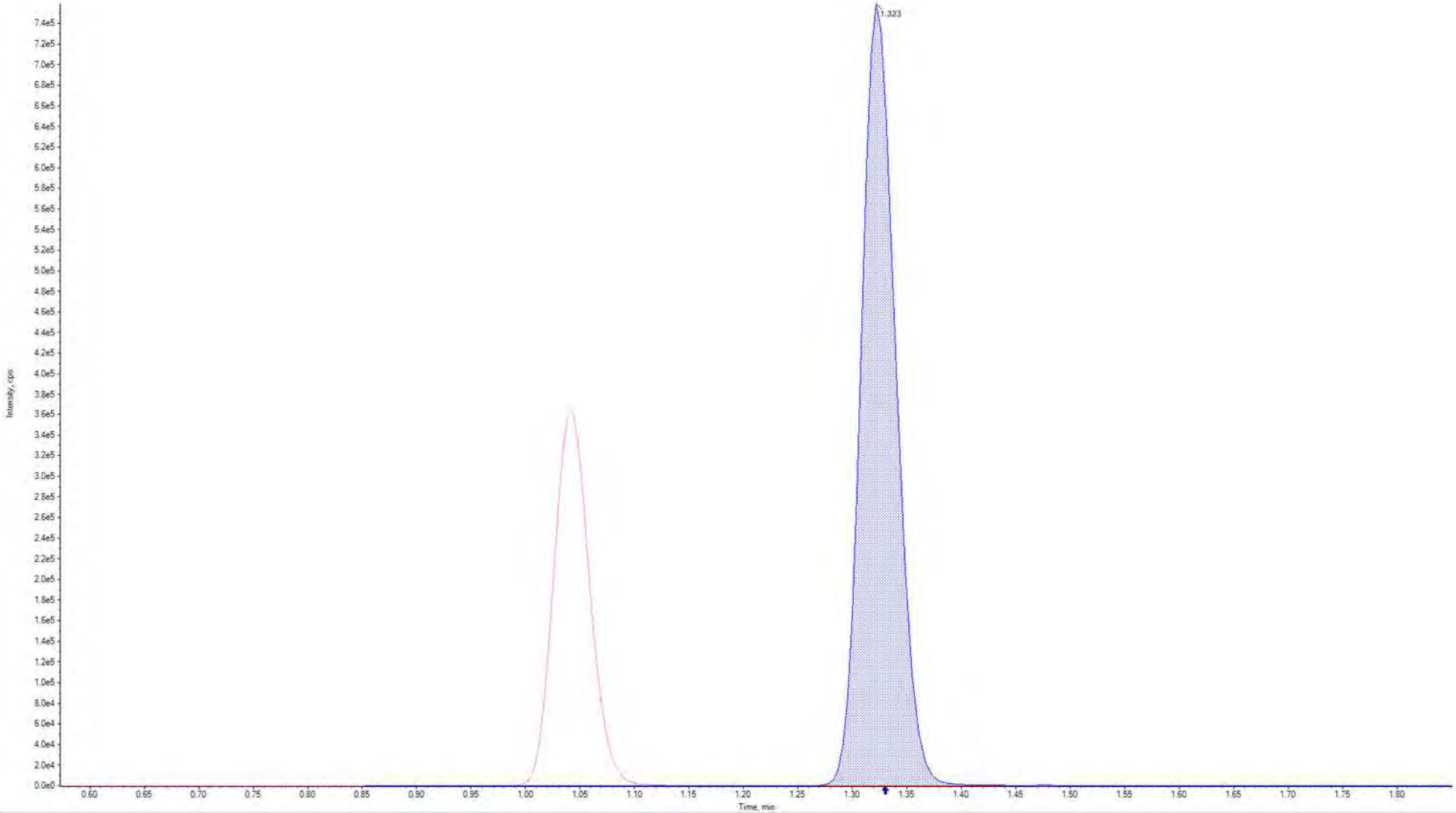
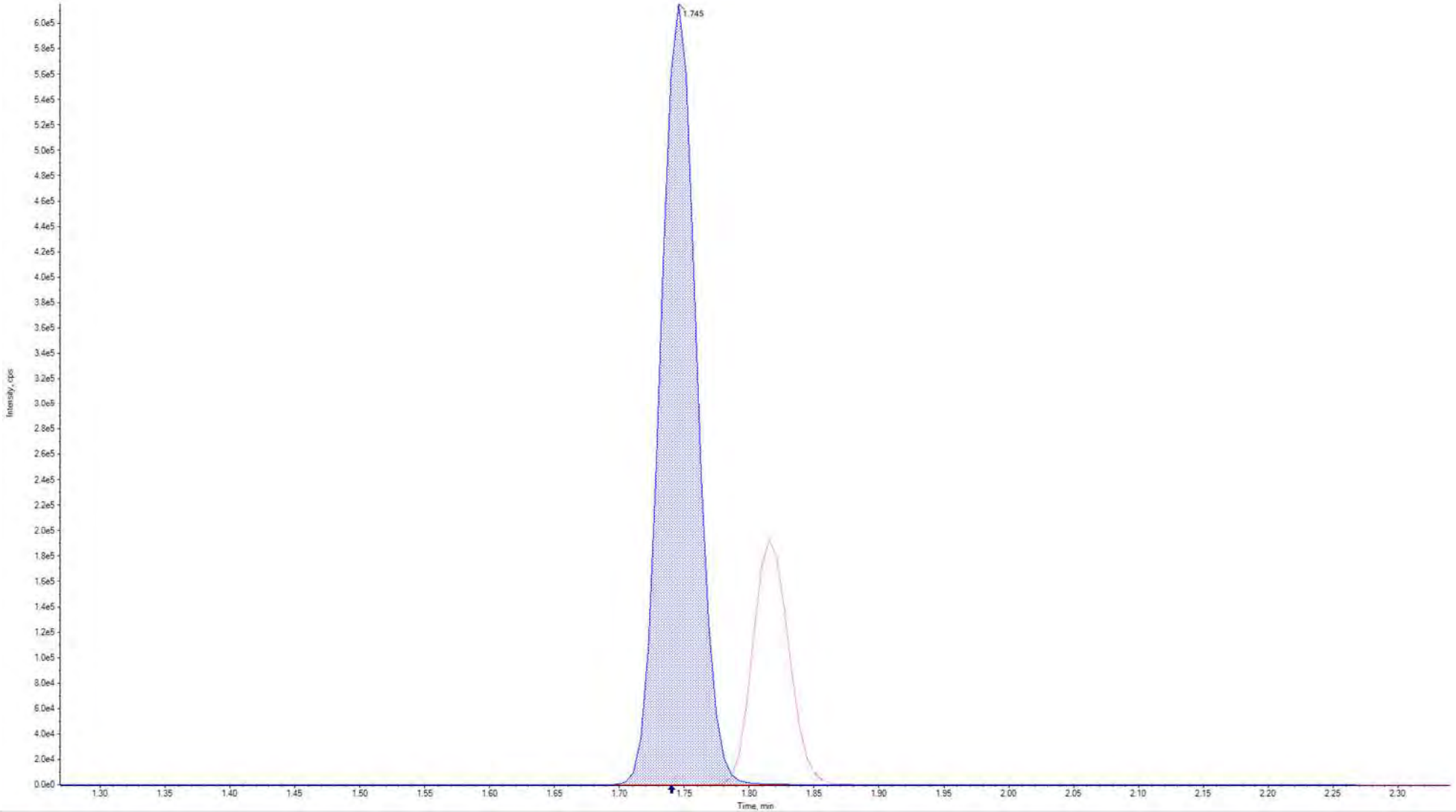
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFMBA
Sample: WG2013165-2,1633FMED S/N:43754.6 Points Across peak:37



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

NFDHA
Sample: WG2013165-2,1633FMED S/N:6237.9 Points Across peak:36



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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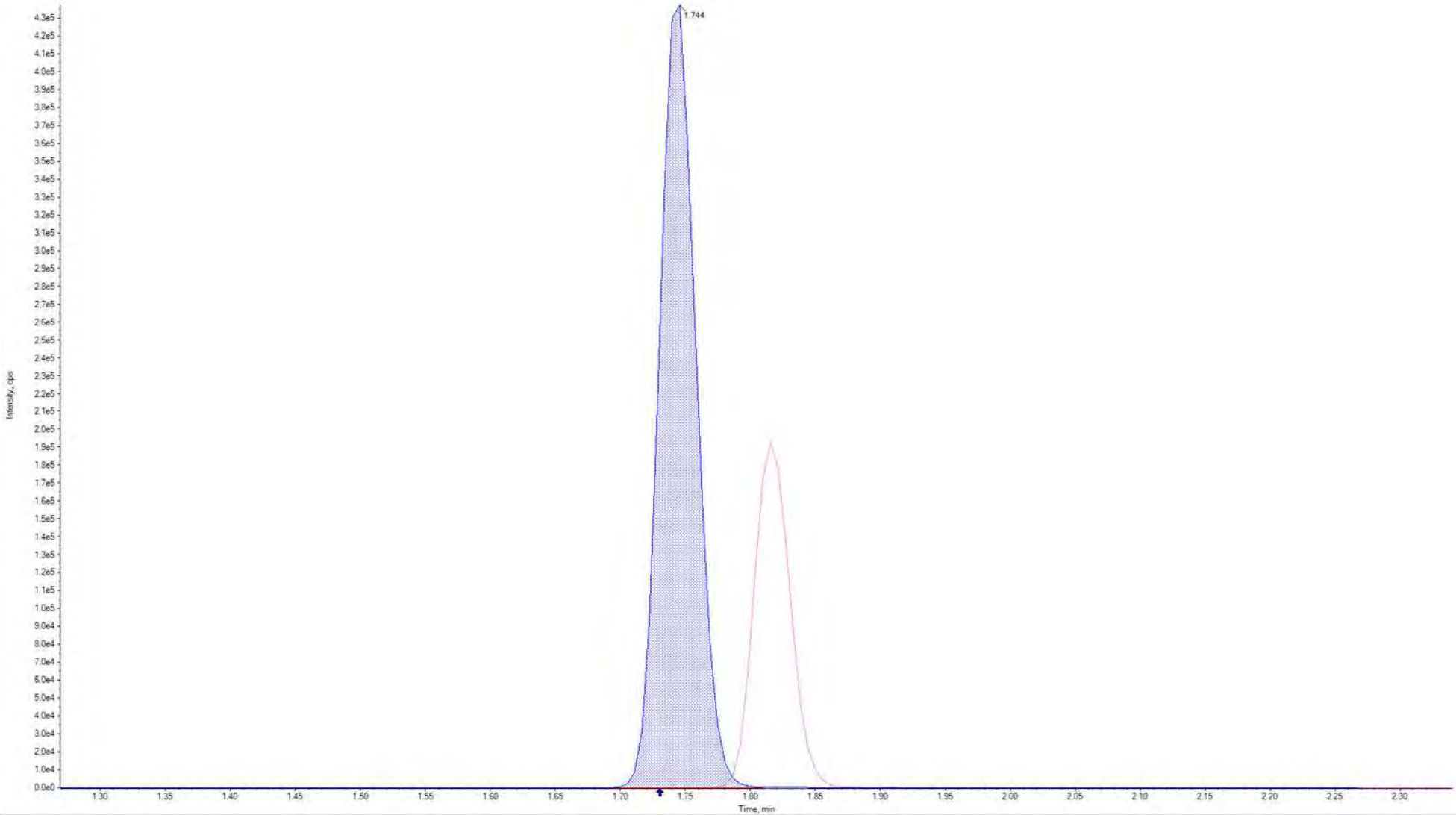
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

NFDHA_2
Sample: WG2013165-2,1633FMED S/N:6143.9 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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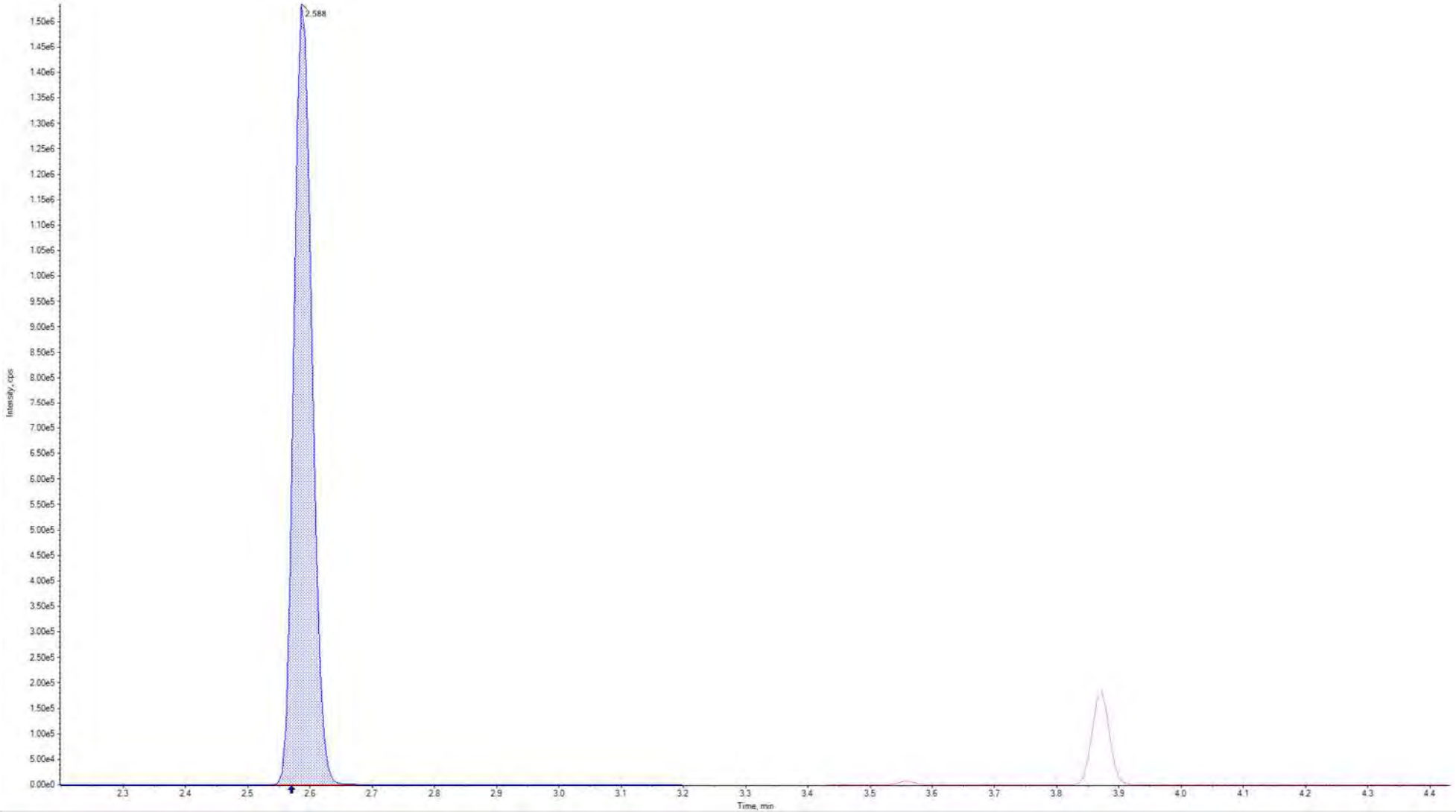
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

TDCA
Sample: WG2013165-2,1633FMED S/N:22087.4 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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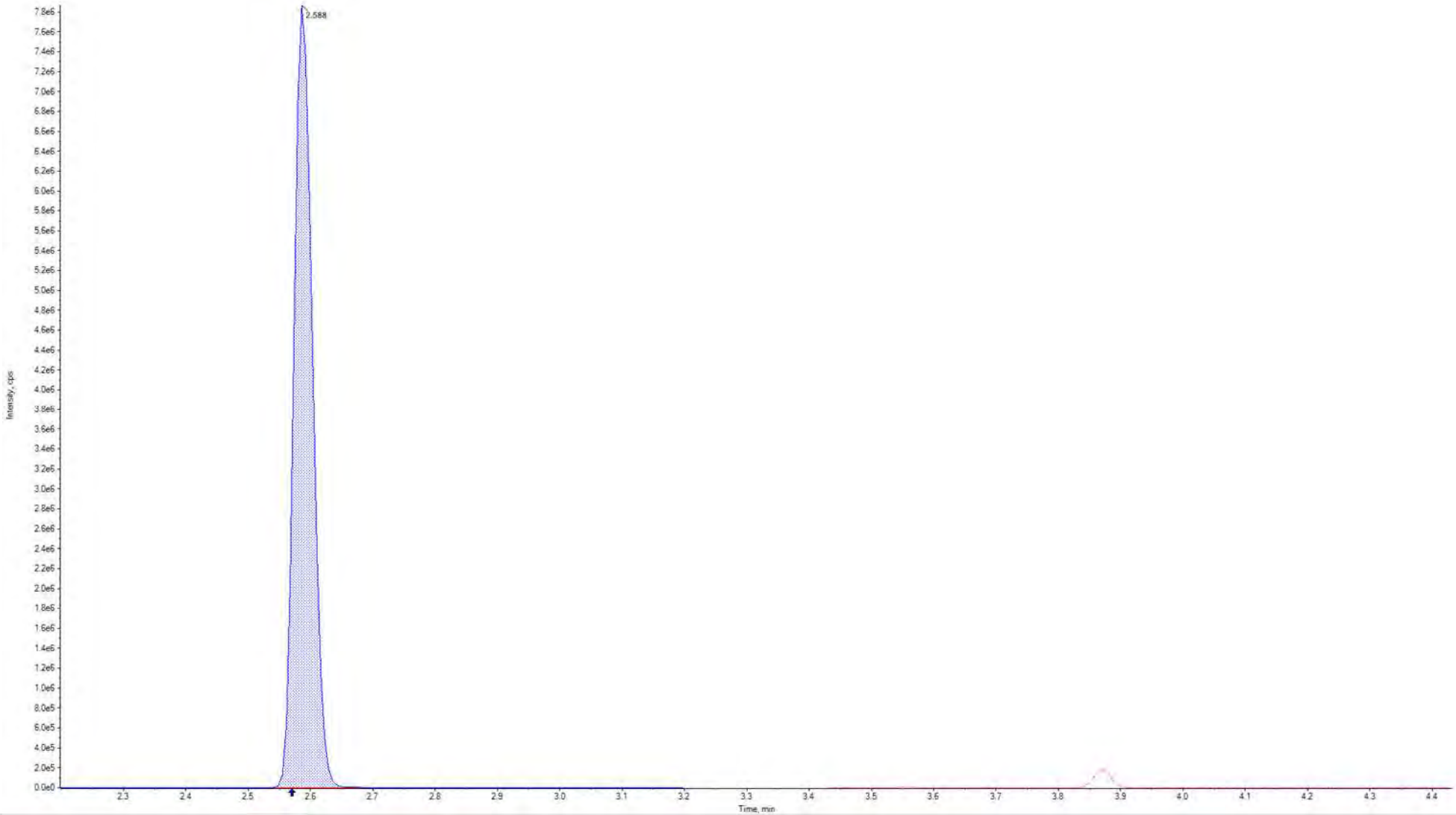
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

TDCA_2
Sample: WG2013165-2,1633FMED S/N:7906.5 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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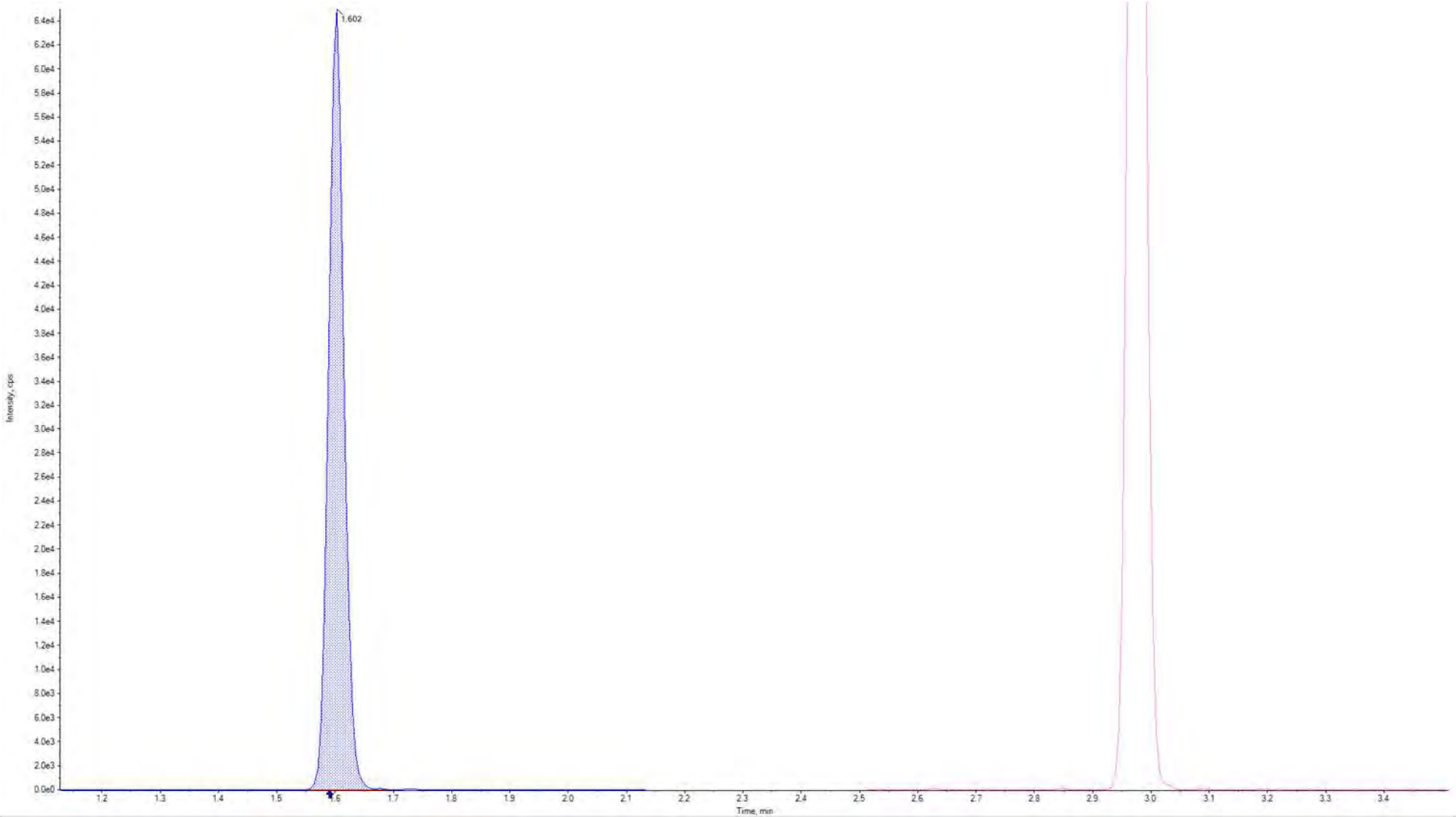
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

13C2D4-4:2FTS
Sample: WG2013165-2,1633FMED S/N:537.0 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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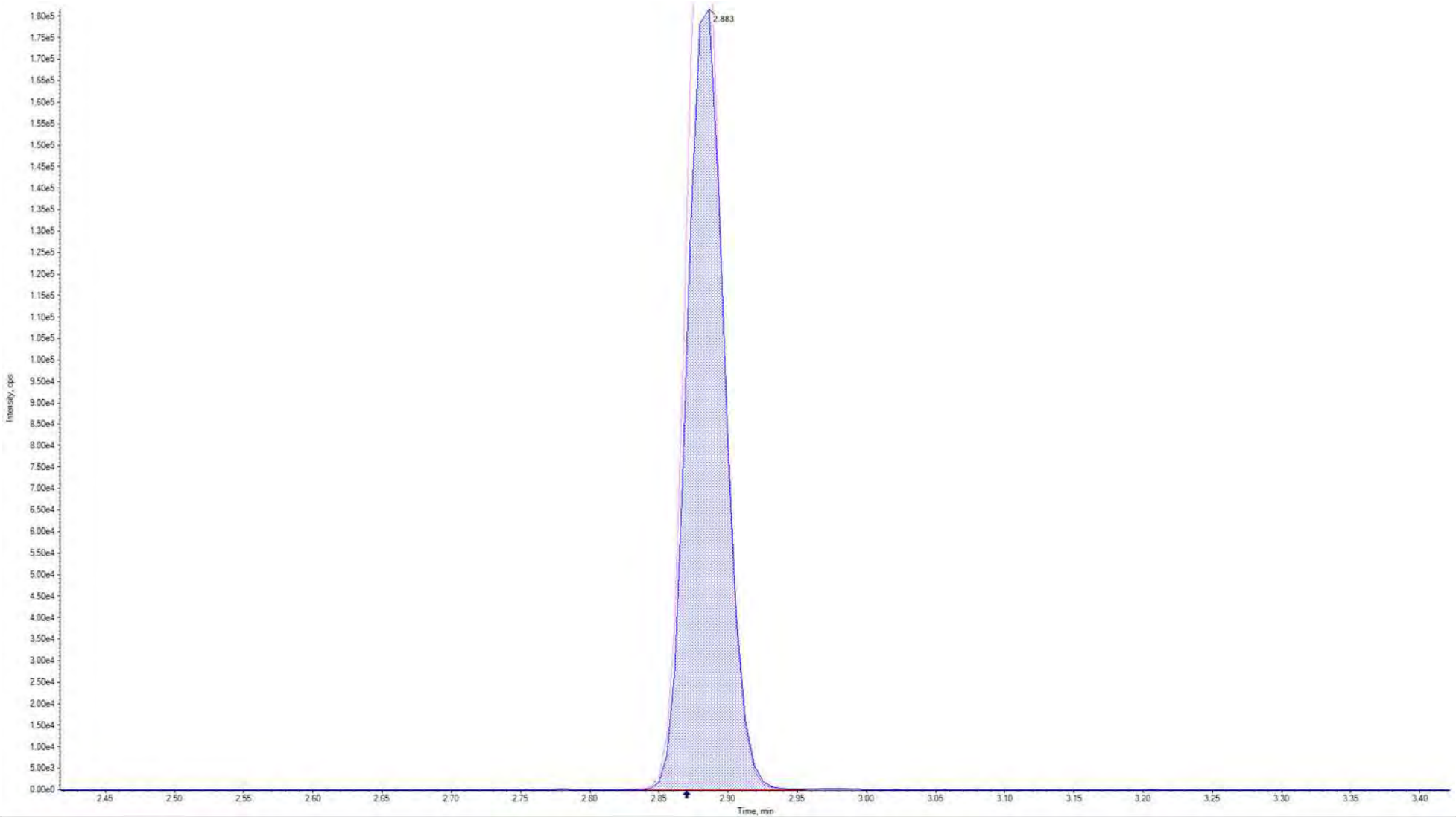
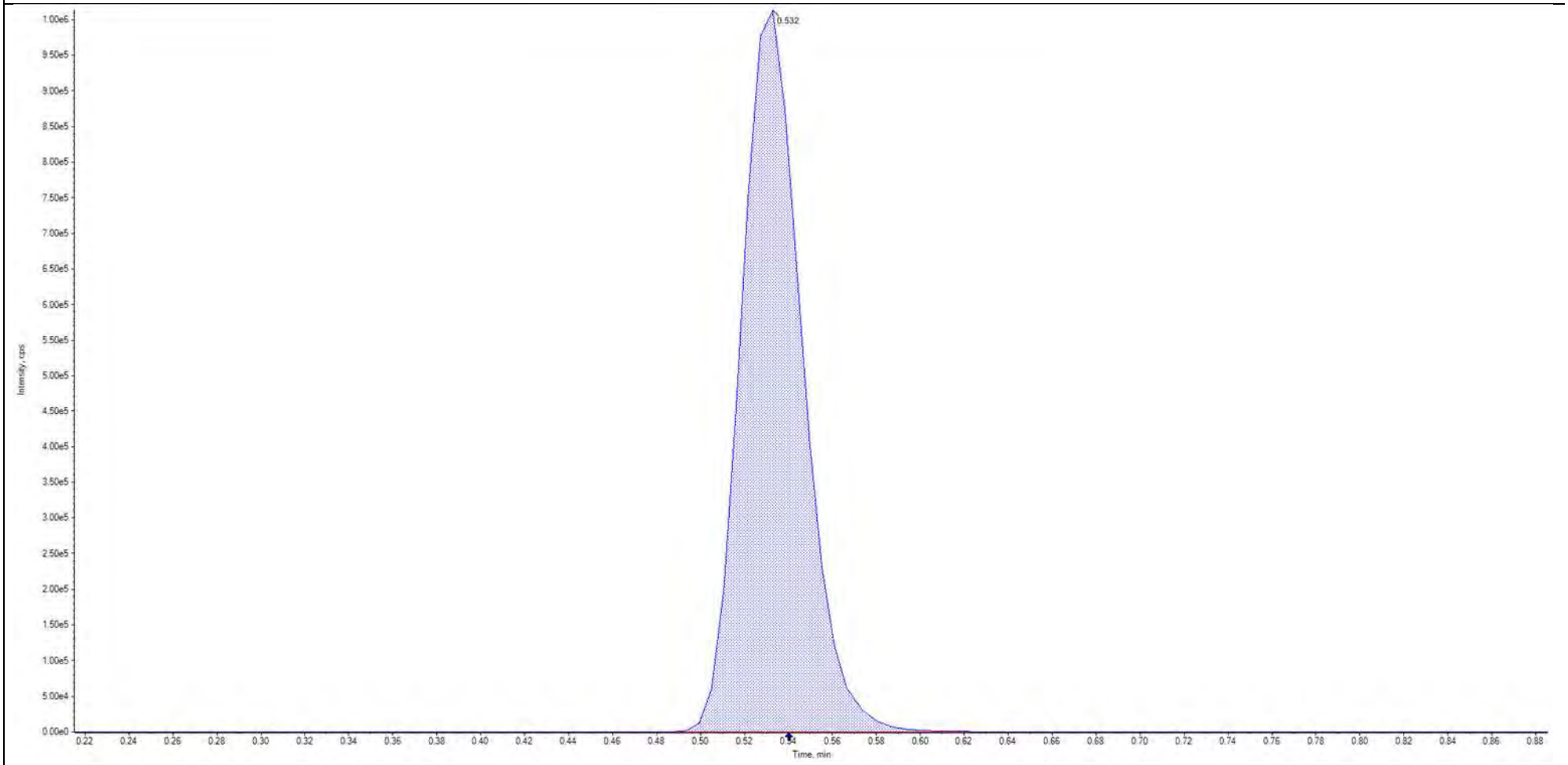
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

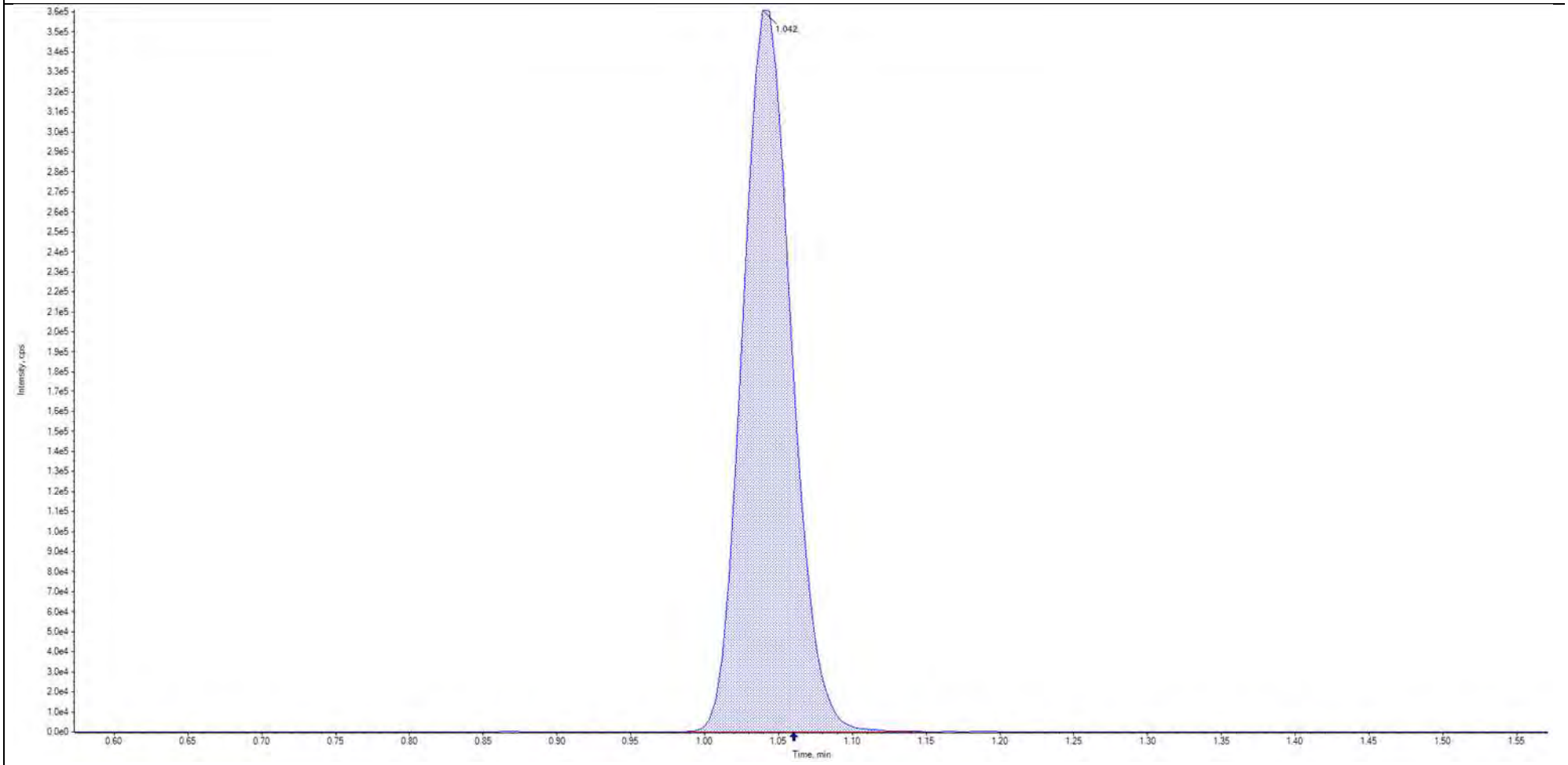
13C2-PFOA
Sample: WG2013165-2,1633FMED S/N:4097.8 Points Across peak:21



13C4-PFBA
Sample: WG2013165-2,1633FMED



13C5-PFPeA
Sample: WG2013165-2,1633FMED



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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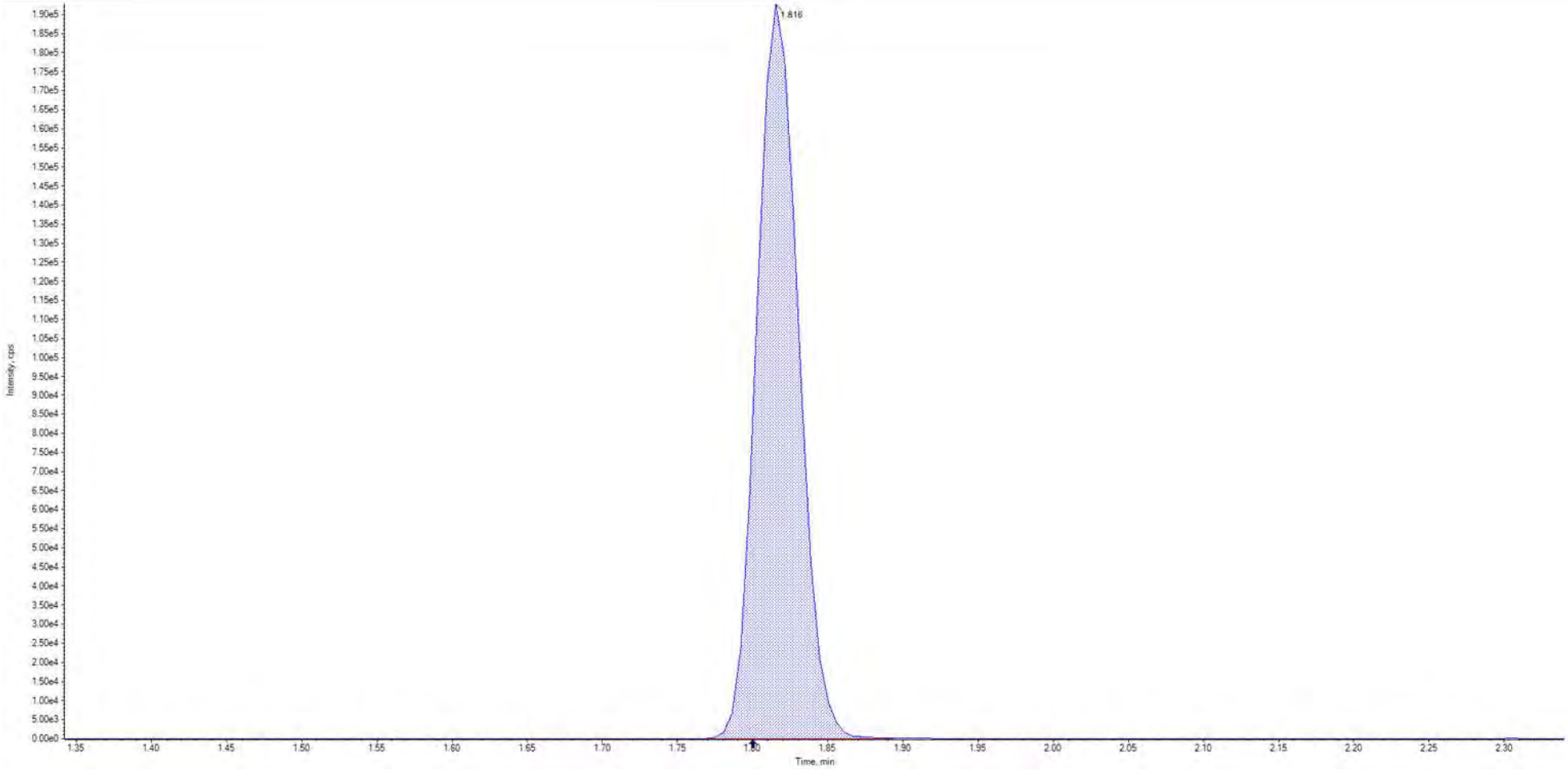
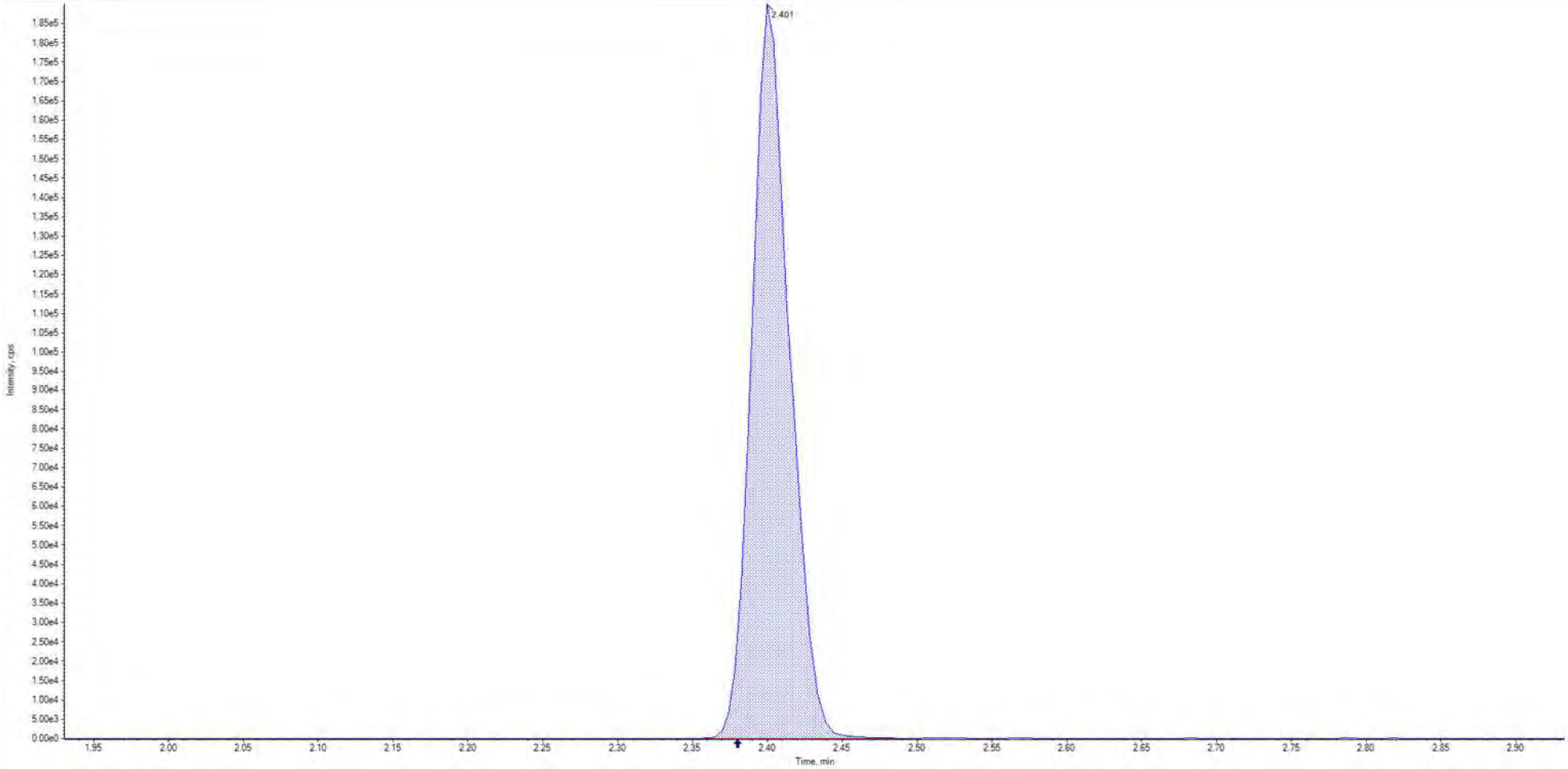
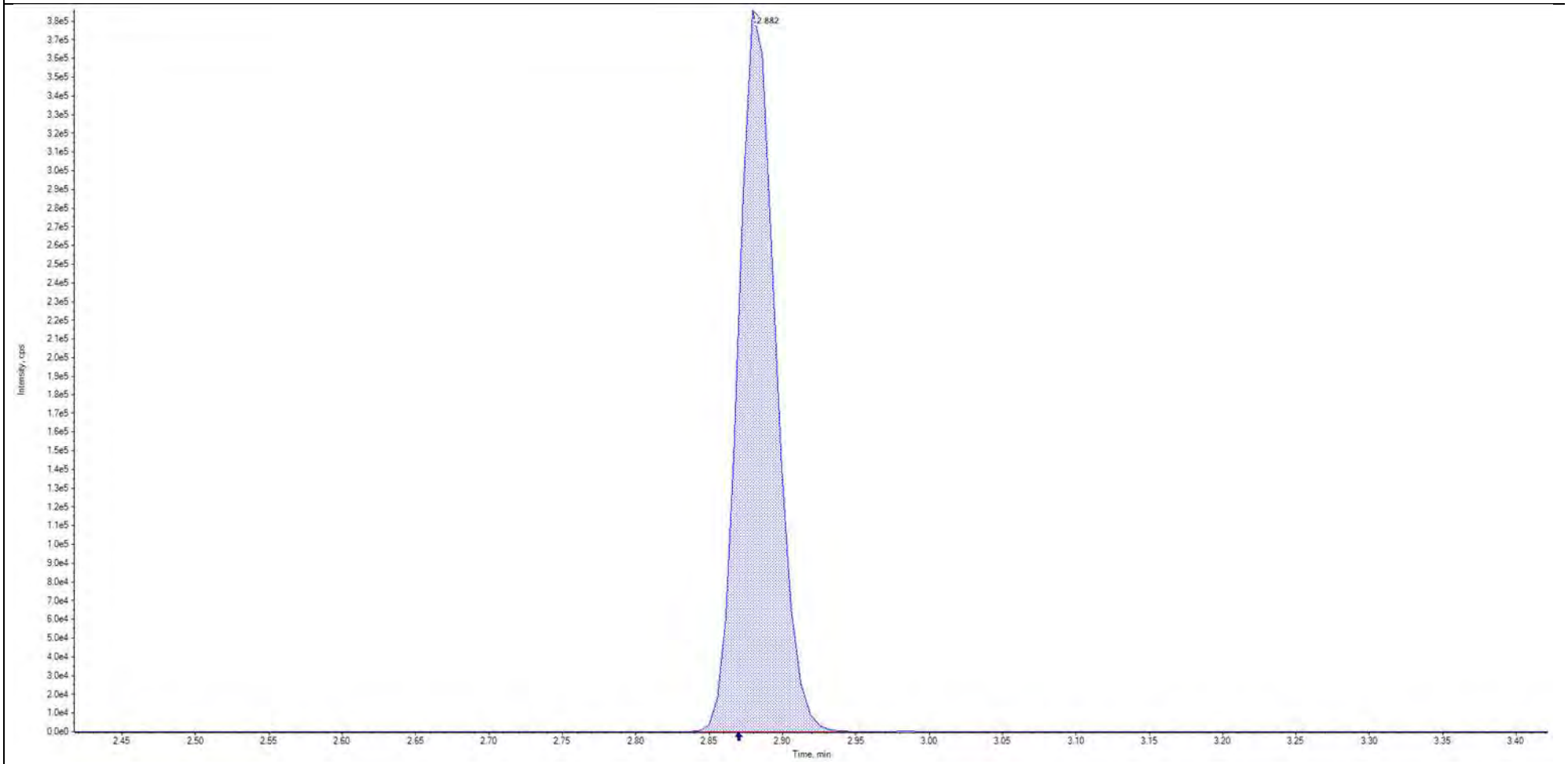
13C5-PFHxA
Sample: WG2013165-2,1633FMED



13C4-PFHpA
Sample: WG2013165-2,1633FMED



13C8-PFOA
Sample: WG2013165-2,1633FMED



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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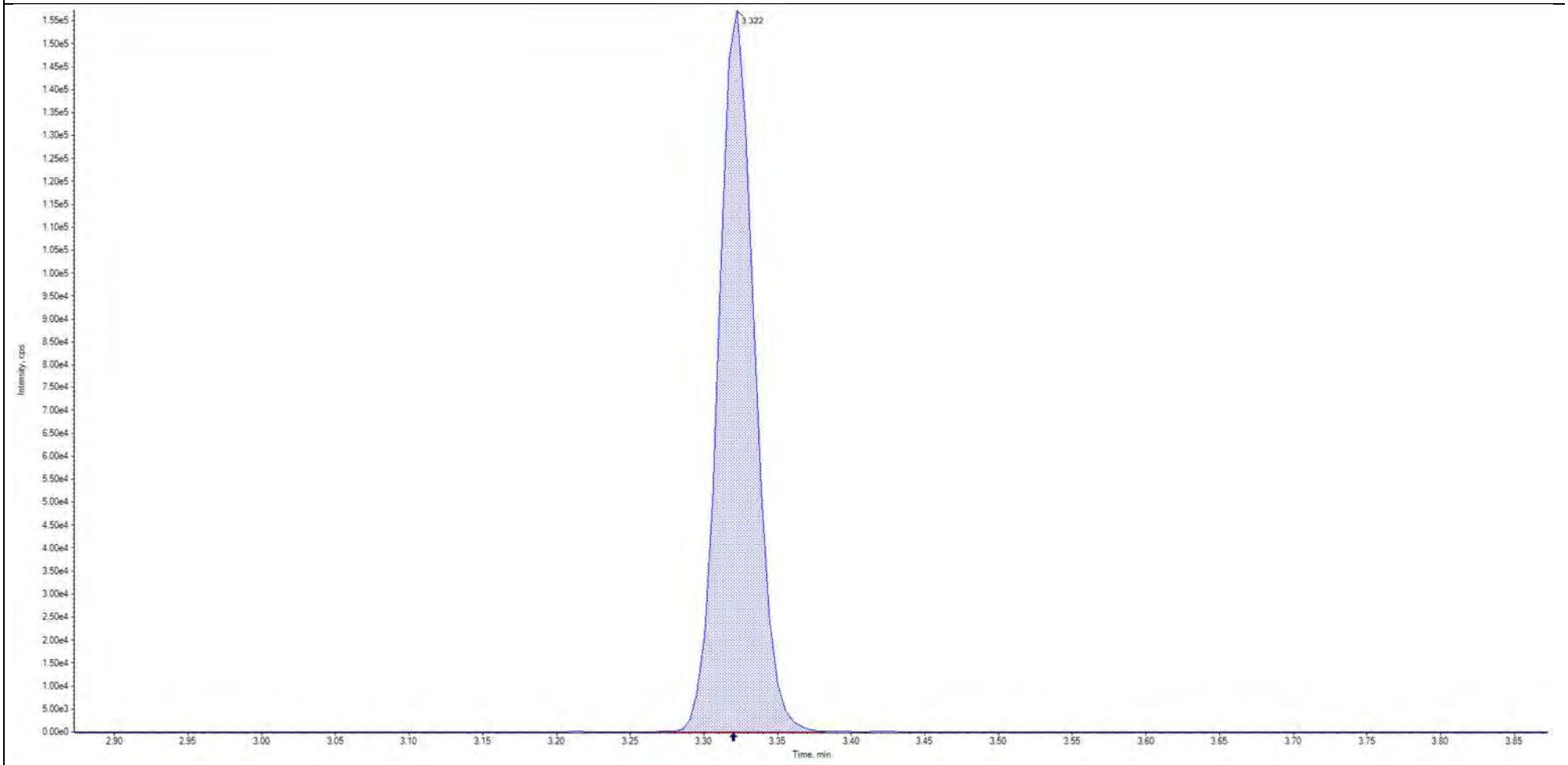
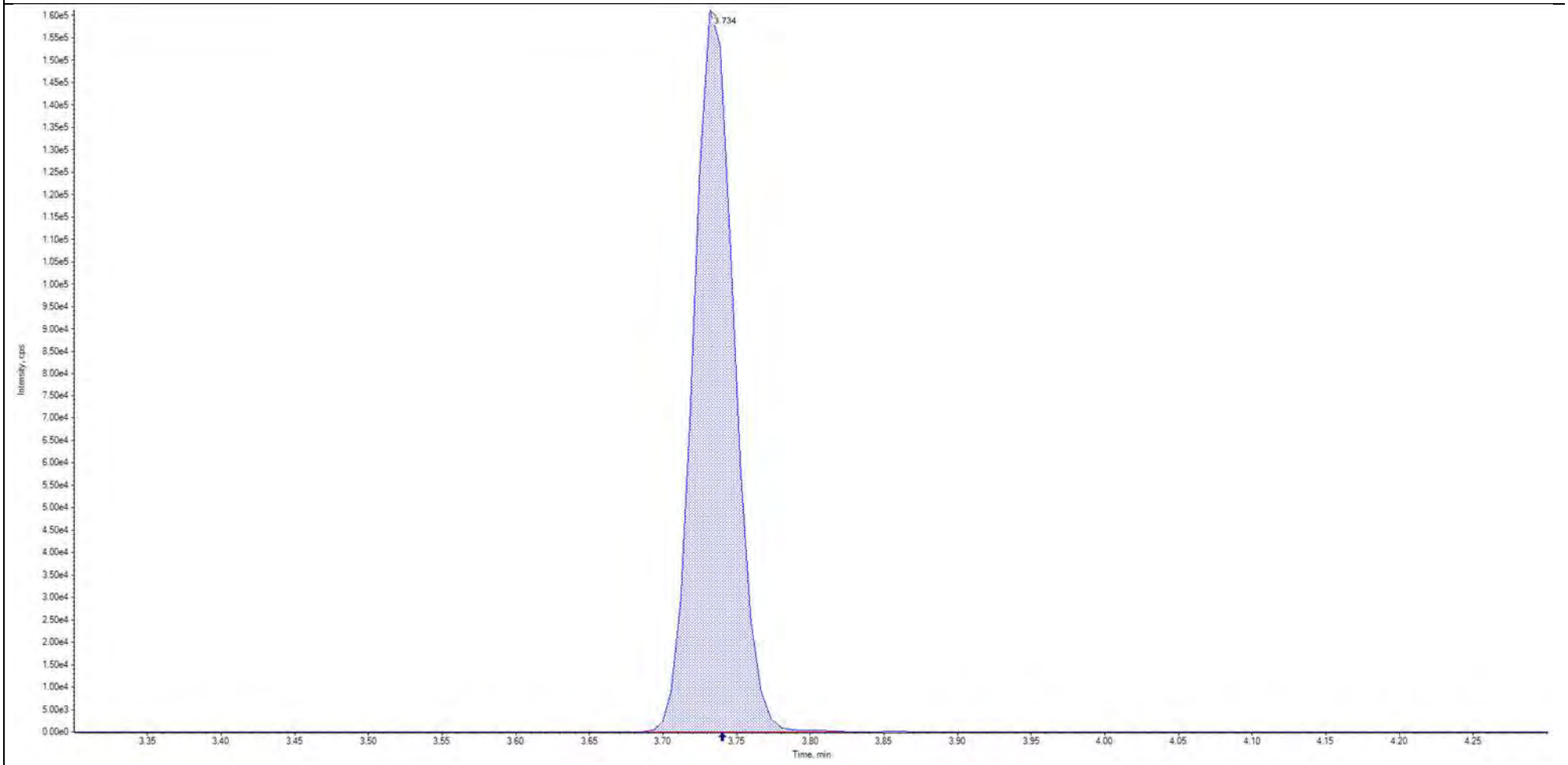
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

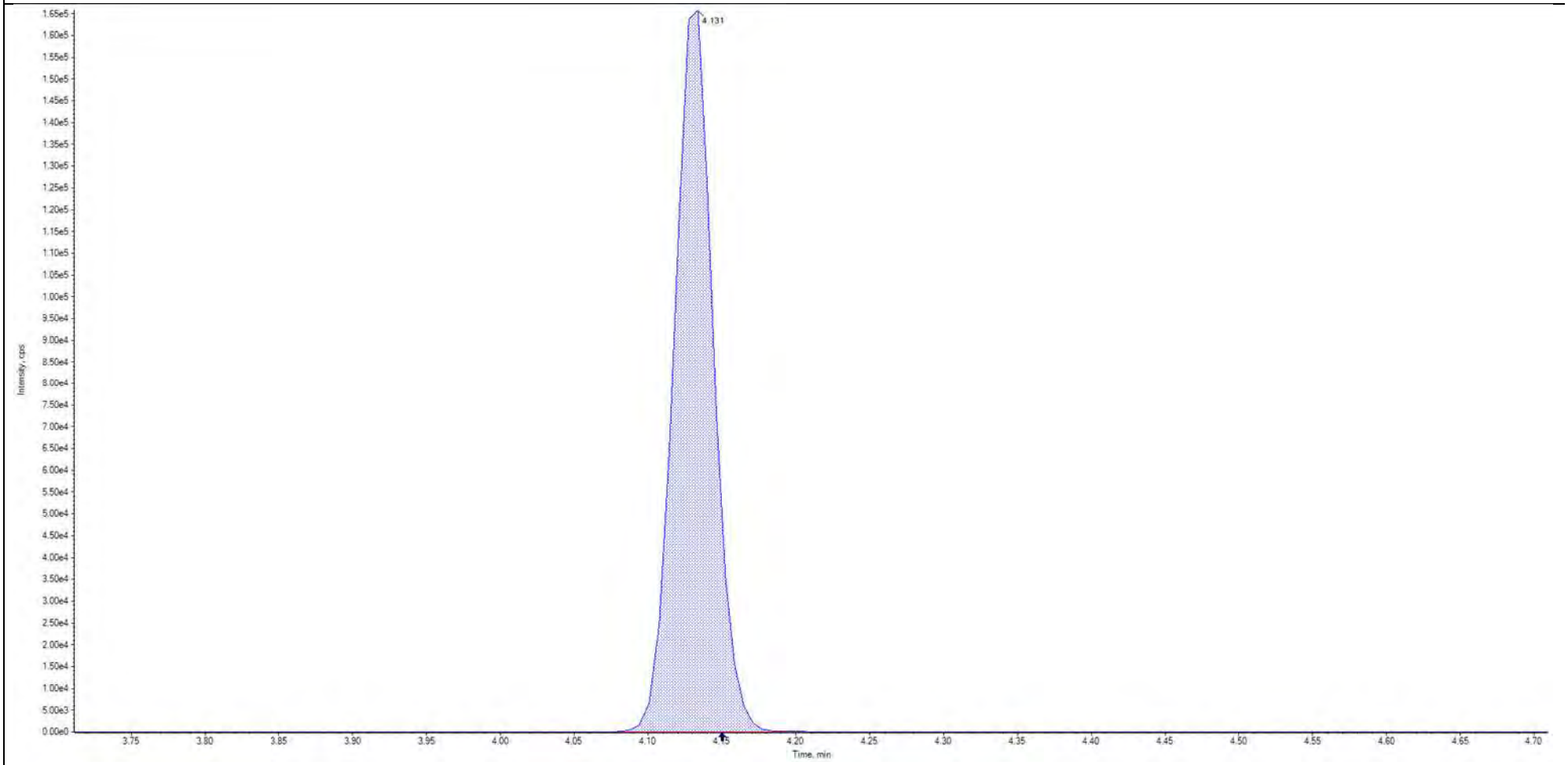
13C9-PFNA
Sample: WG2013165-2,1633FMED



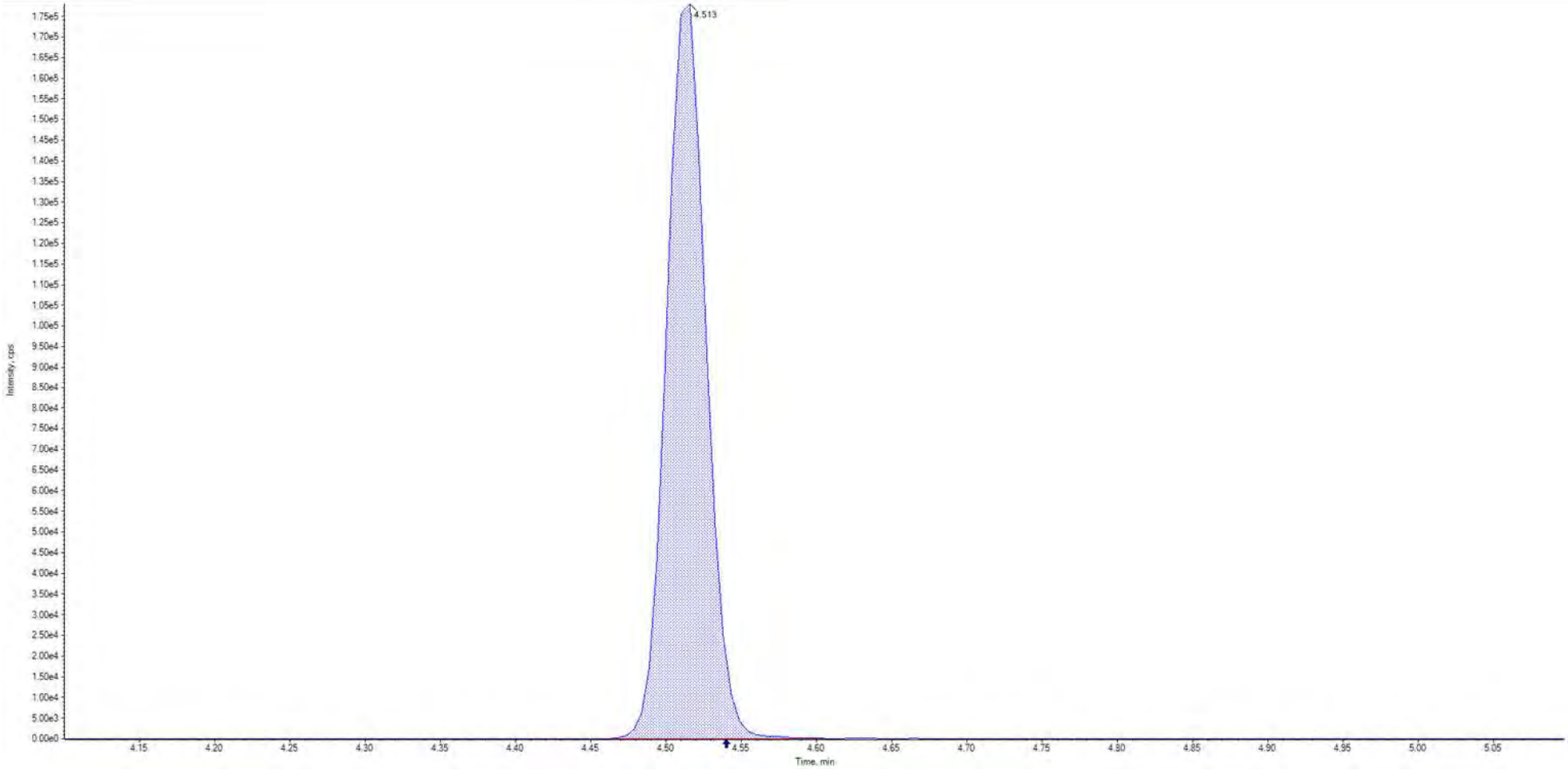
13C6-PFDA
Sample: WG2013165-2,1633FMED



13C7-PFUnA
Sample: WG2013165-2,1633FMED



13C2-PFDoA
Sample: WG2013165-2,1633FMED



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
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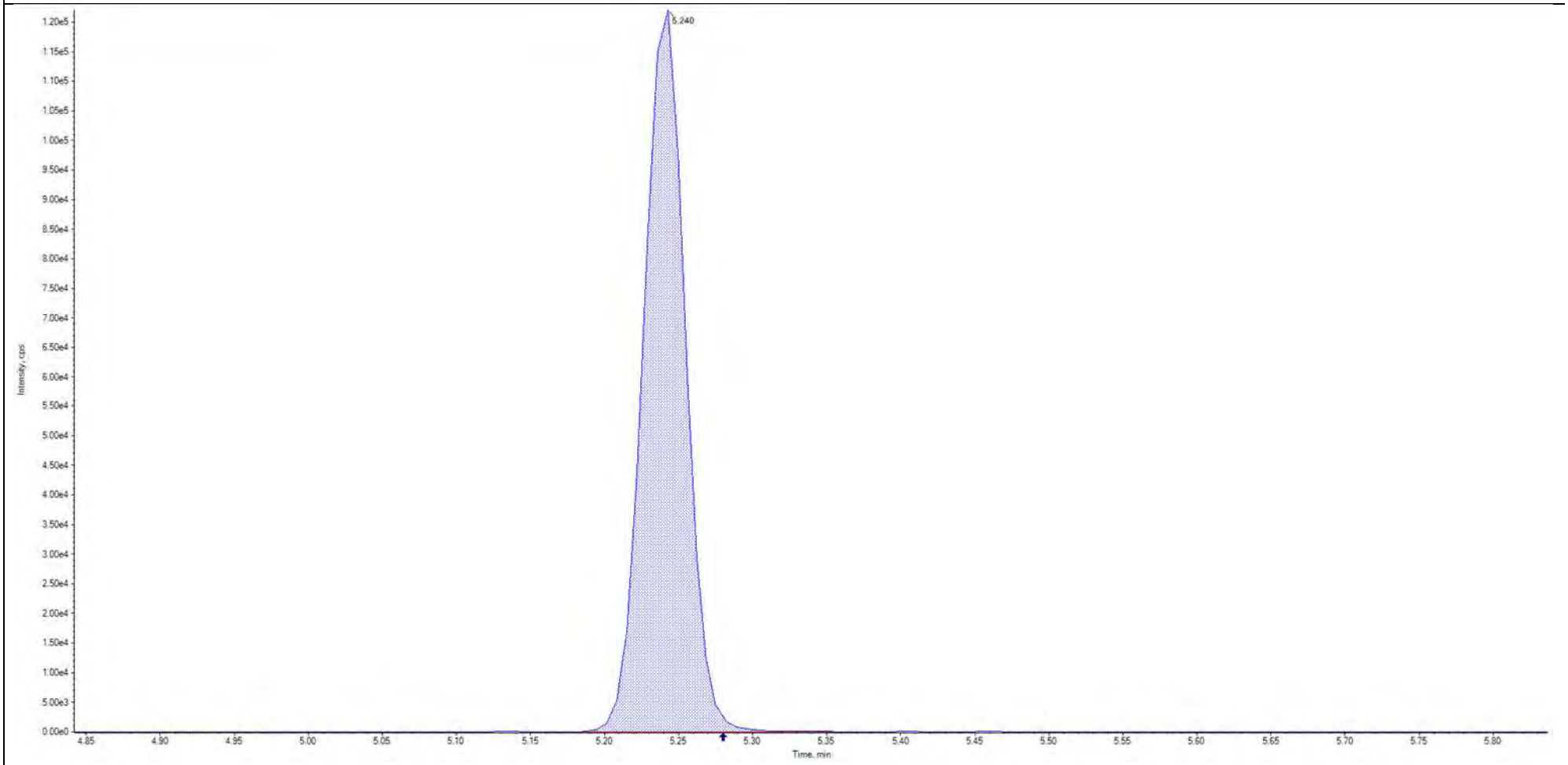
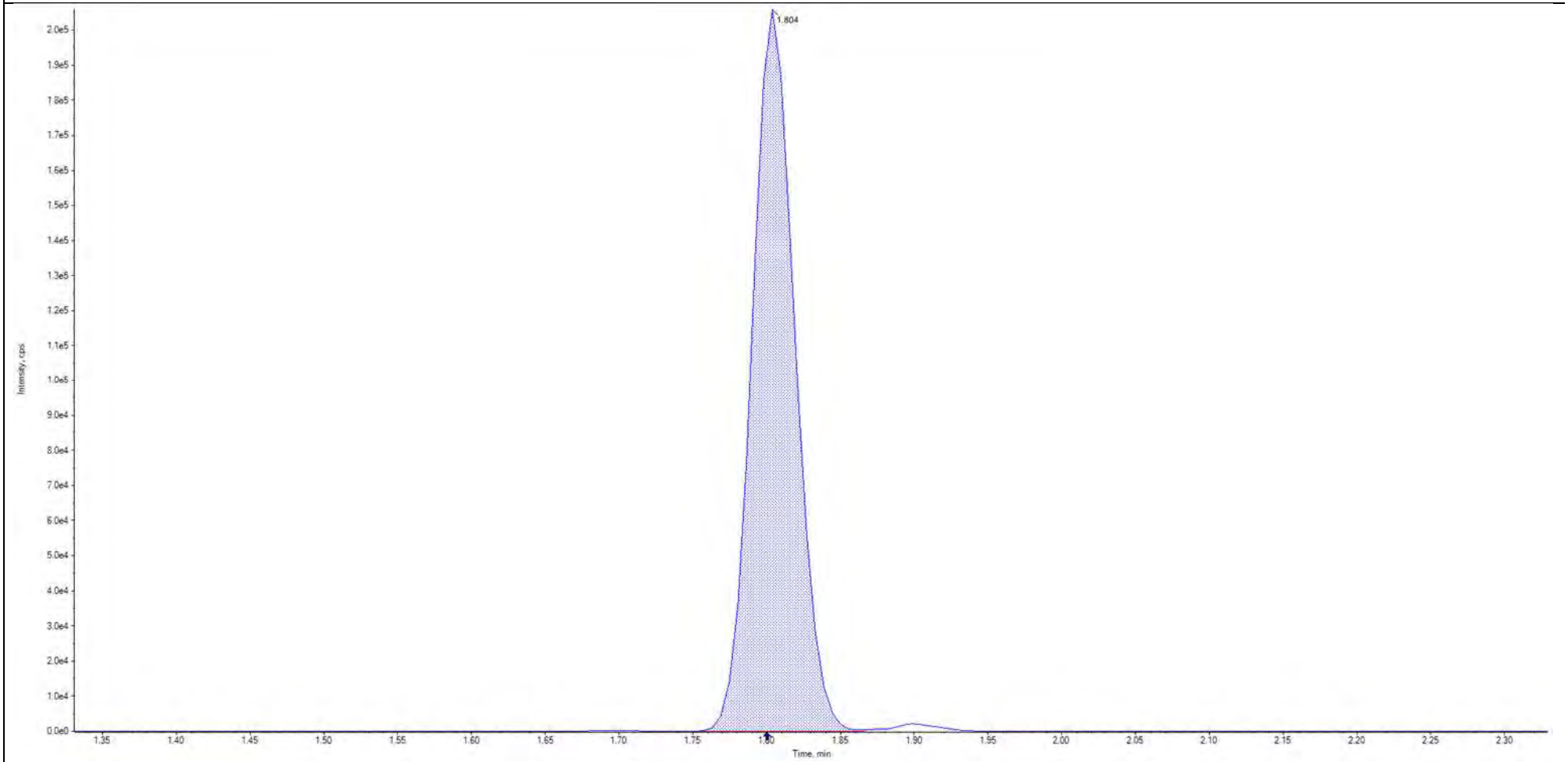
Generated: 12/24/2024 10:11:25 AM

13C2-PFTeDA
Sample: WG2013165-2,1633FMED

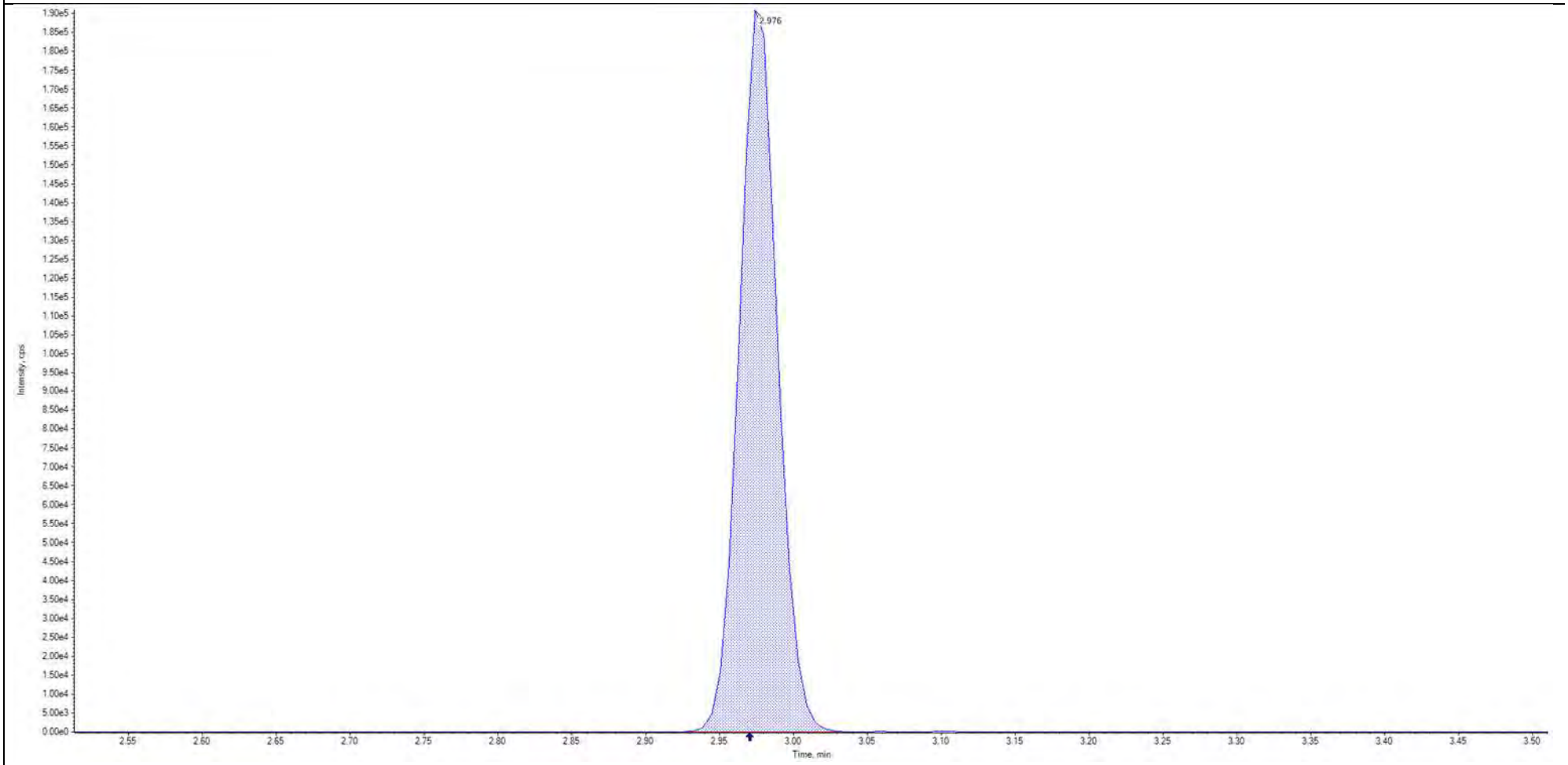


13C3-PFBS
Sample: WG2013165-2,1633FMED

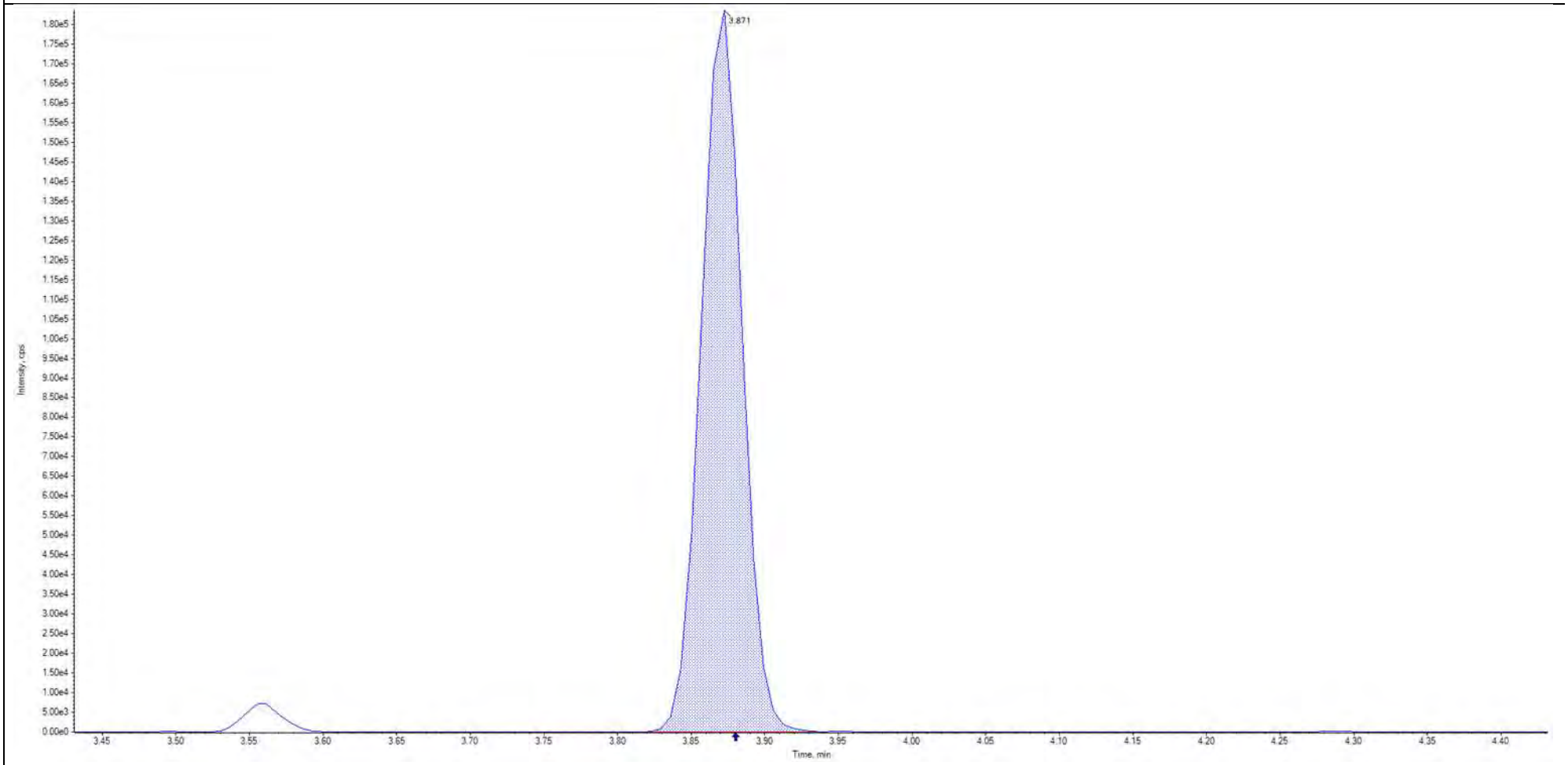


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_17.wiff2_2
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

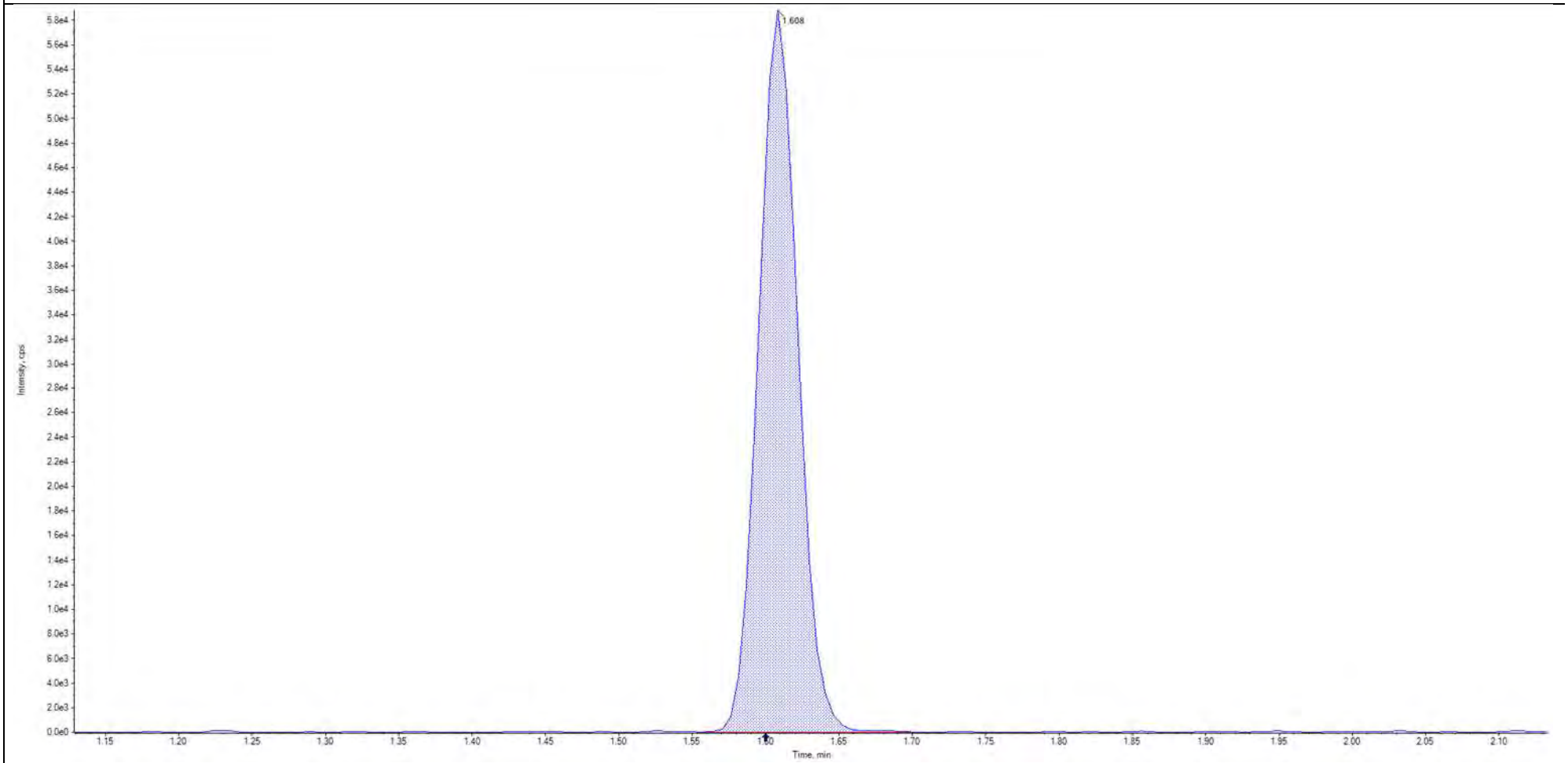
13C3-PFHxS
Sample: WG2013165-2,1633FMED



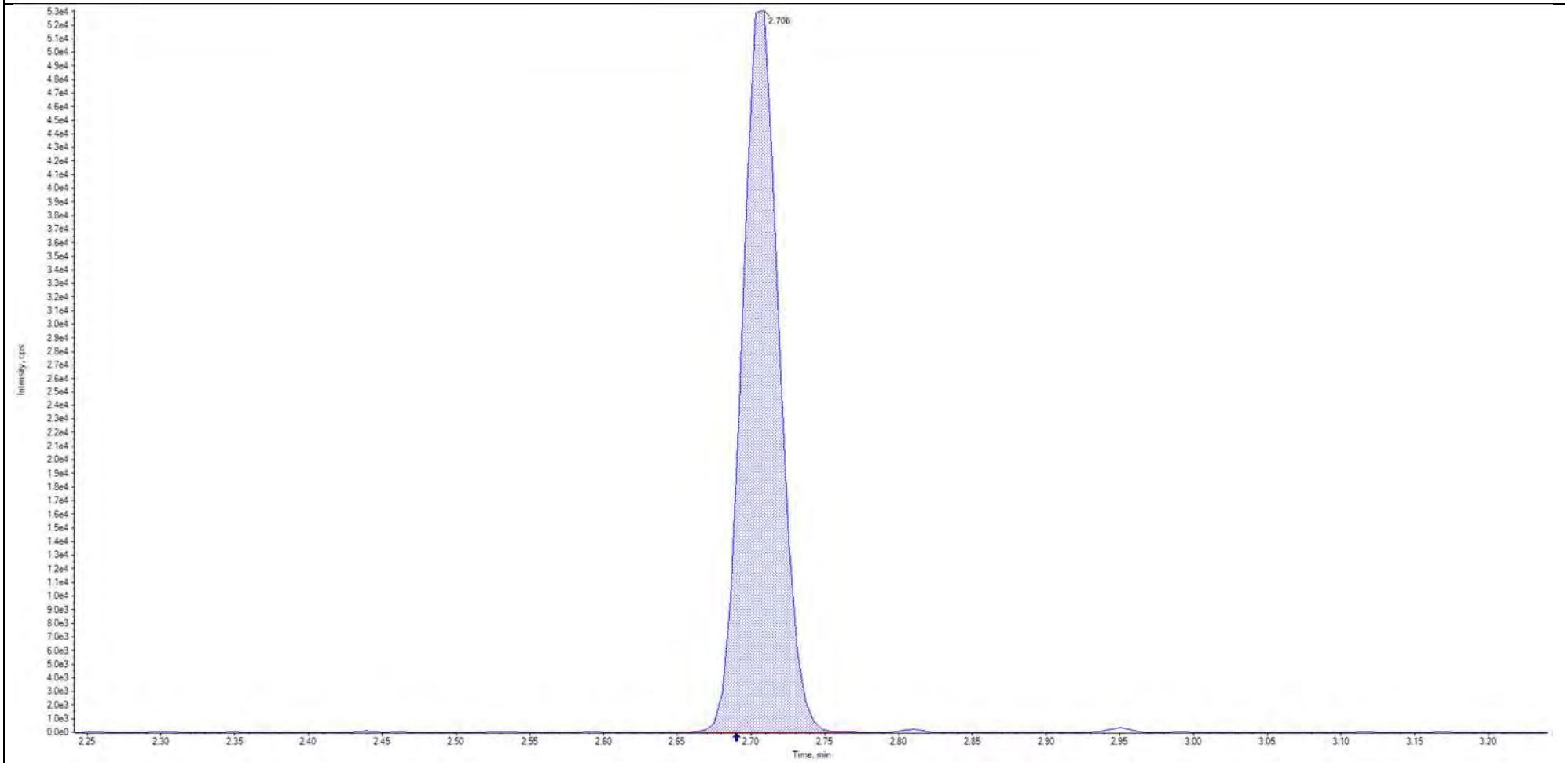
13C8-PFOS
Sample: WG2013165-2,1633FMED



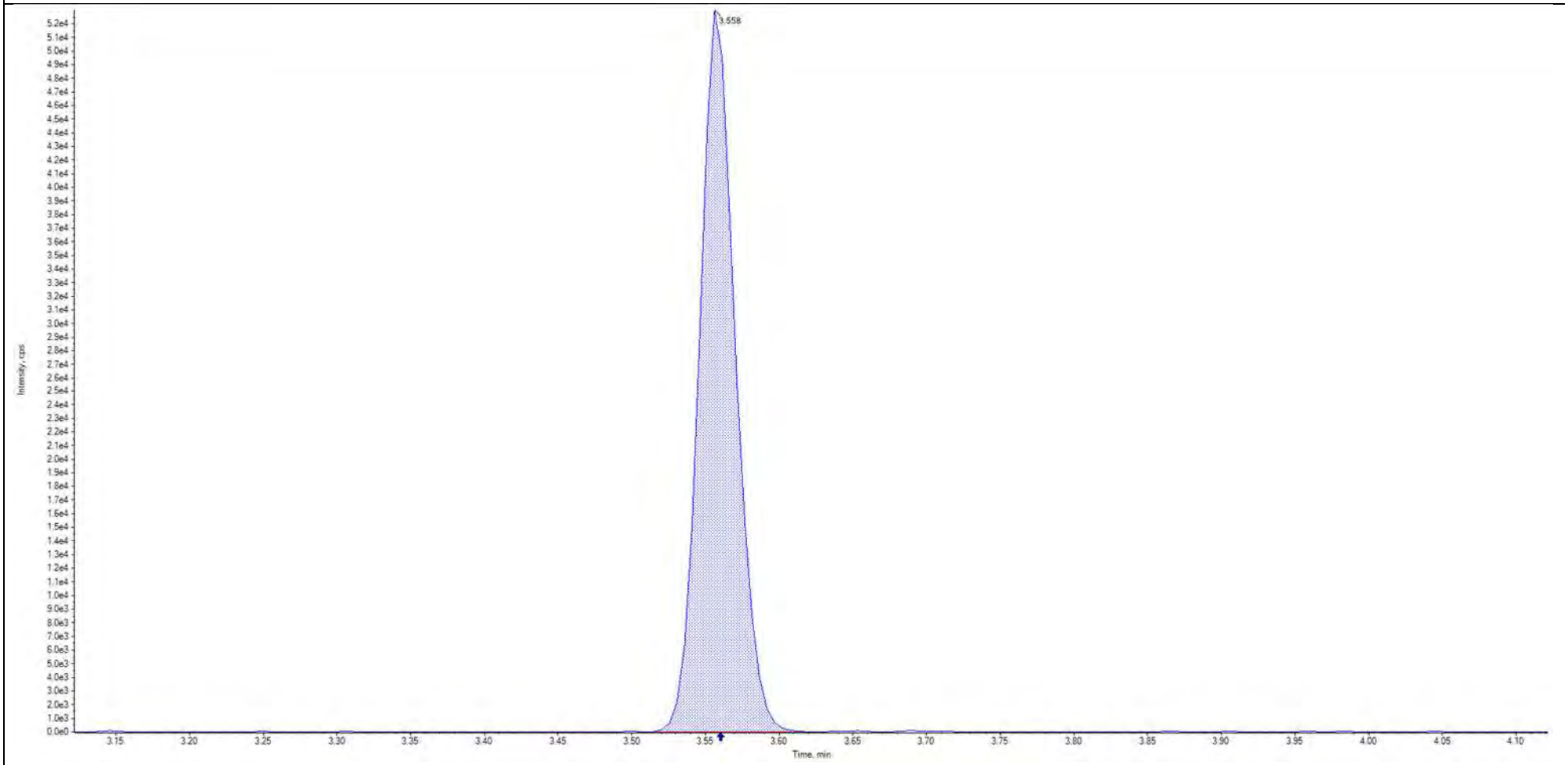
13C2-4:2FTS
Sample: WG2013165-2,1633FMED



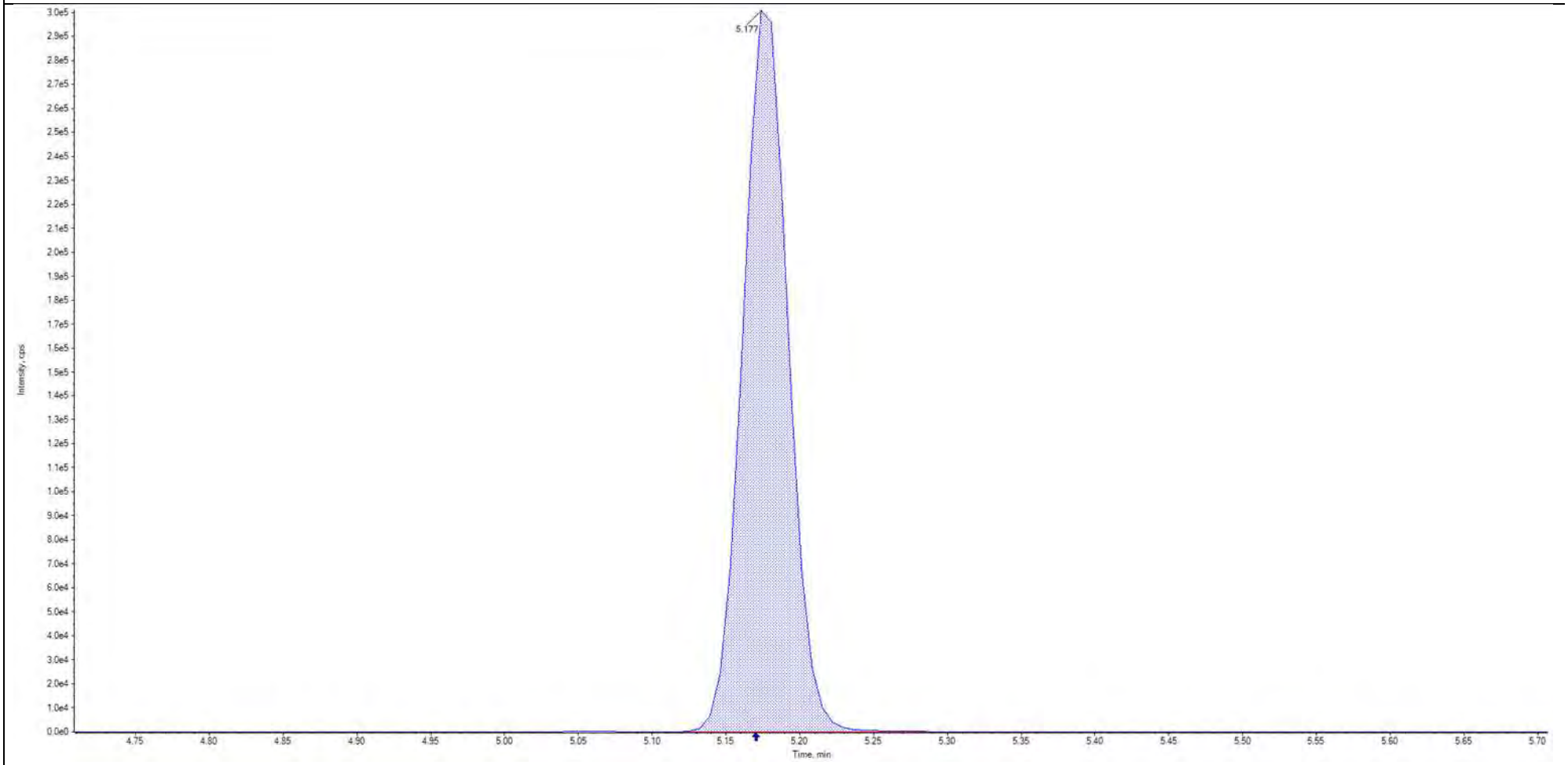
13C2-6:2FTS
Sample: WG2013165-2,1633FMED



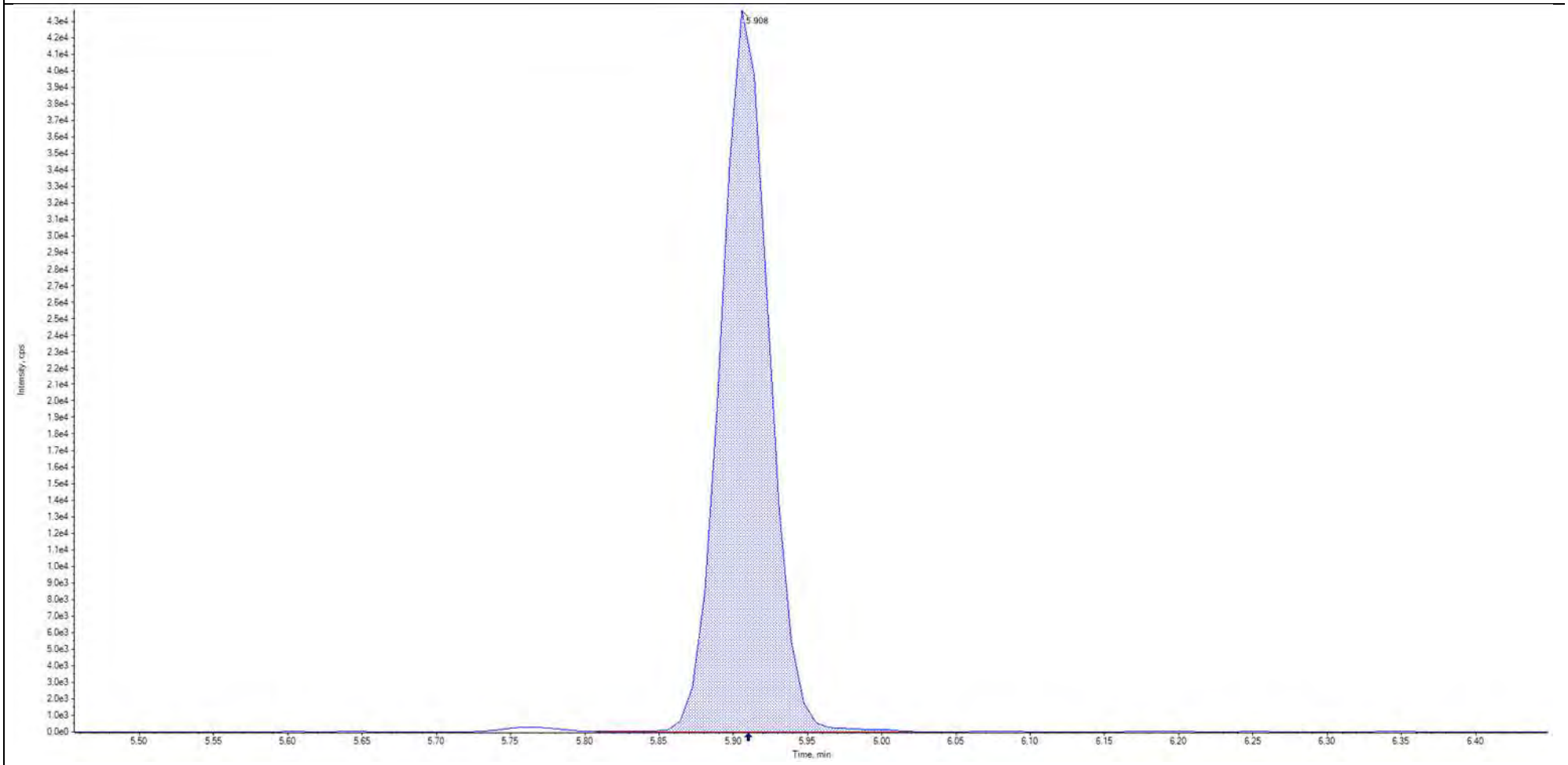
13C2-8:2FTS
Sample: WG2013165-2,1633FMED



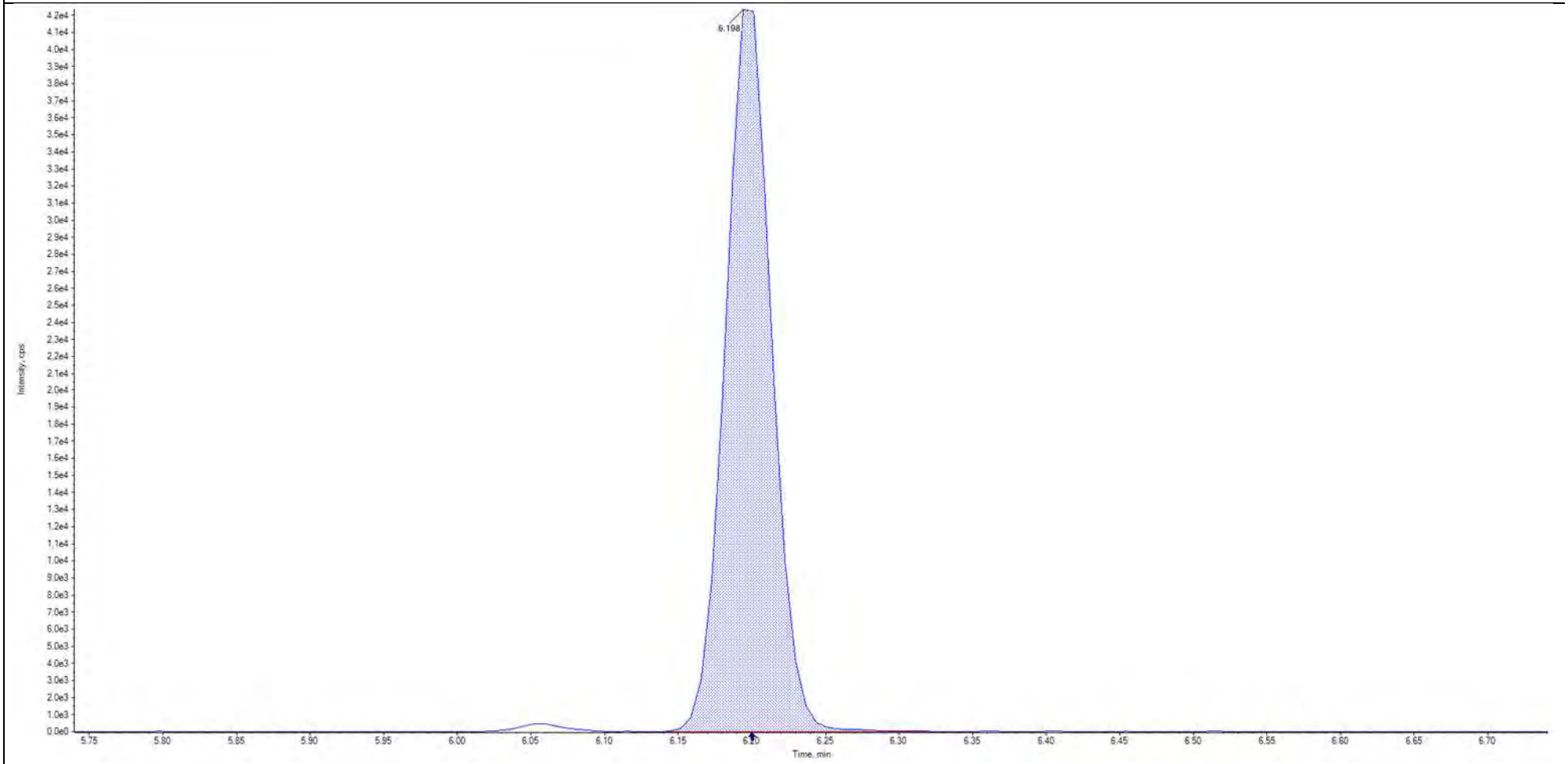
13C8-PFOSA
Sample: WG2013165-2,1633FMED



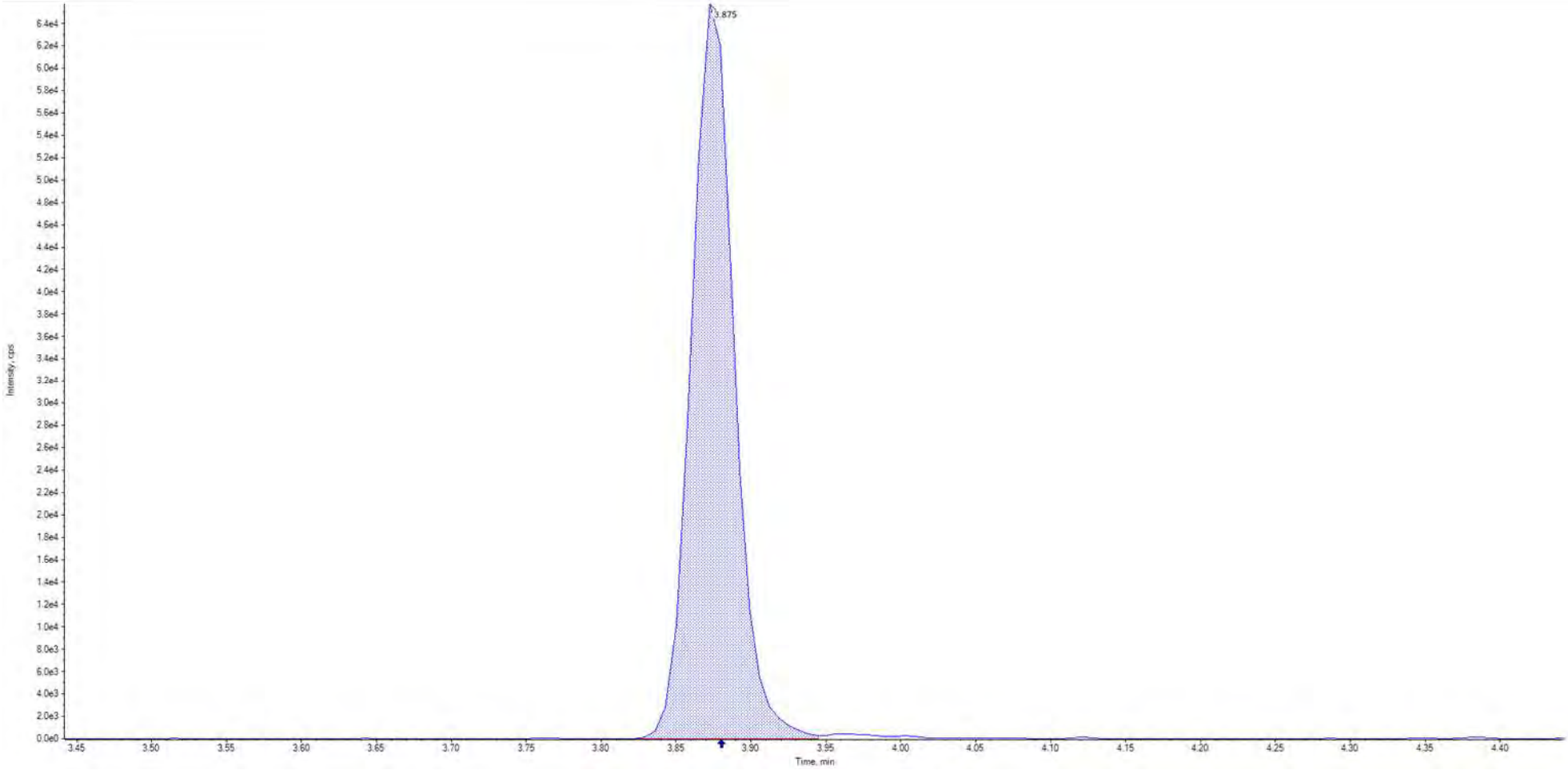
d3-NMeFOSA
Sample: WG2013165-2,1633FMED



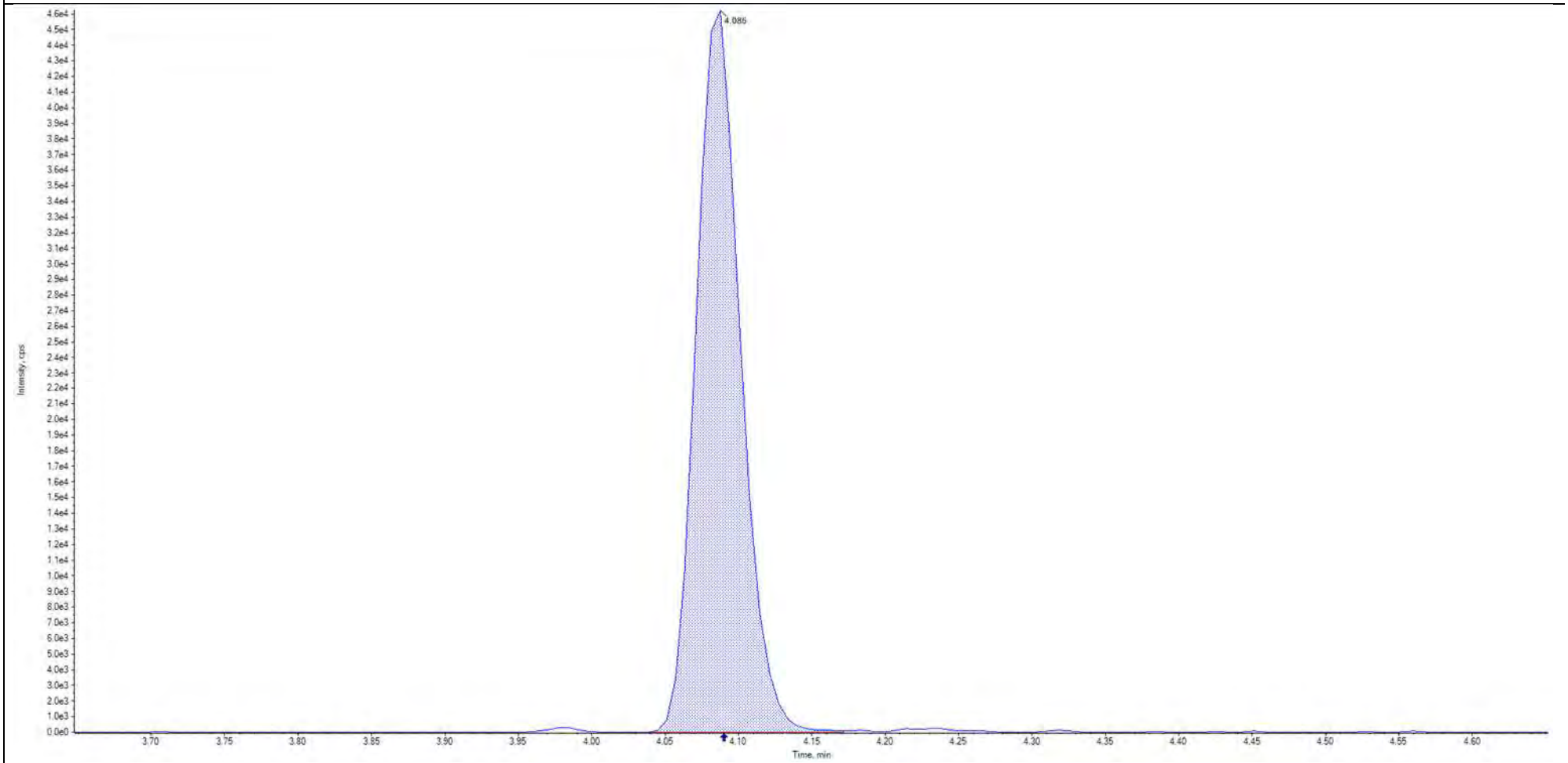
d5-NEtFOSA
Sample: WG2013165-2,1633FMED



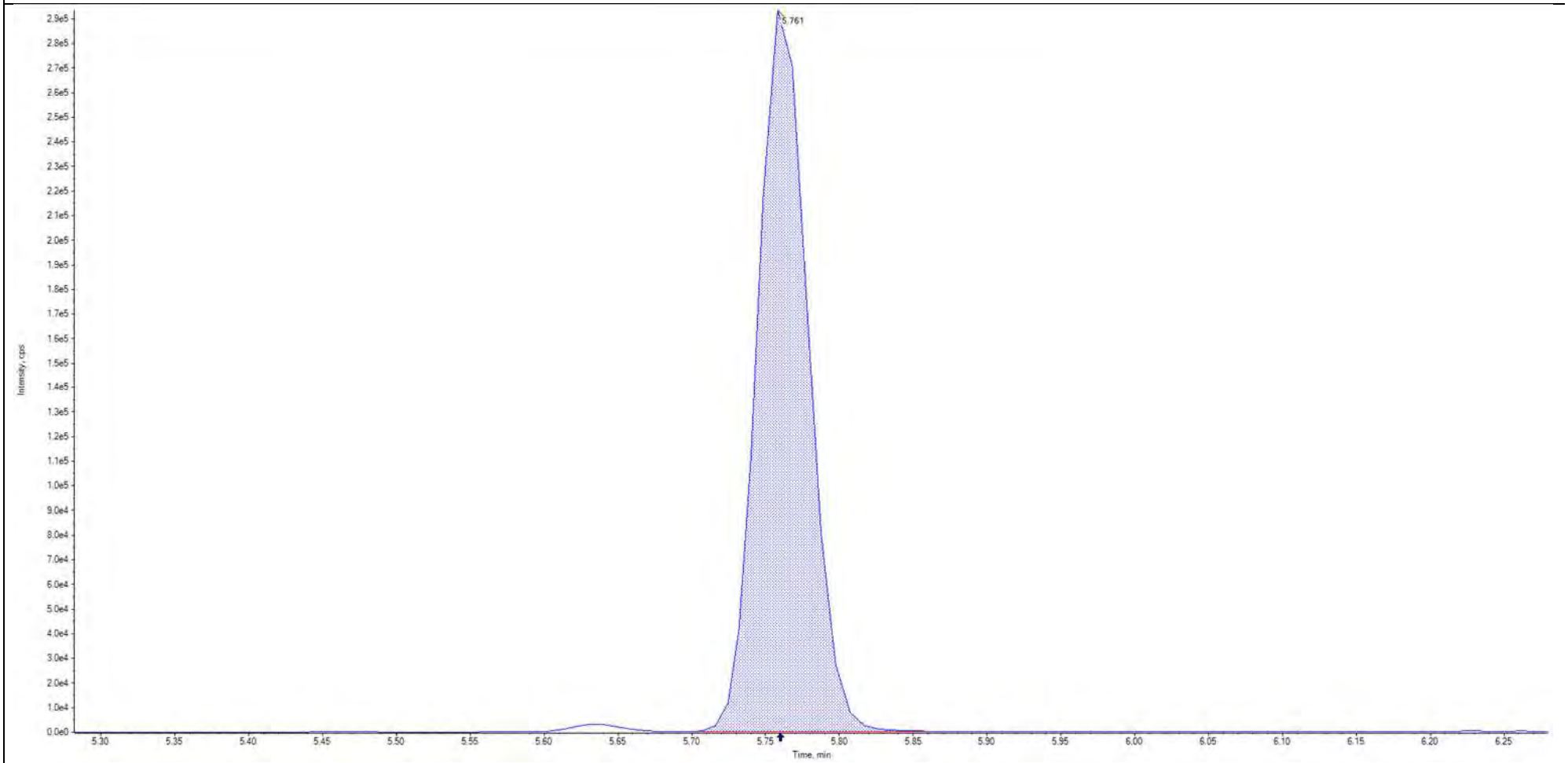
d3-NMeFOSAA
Sample: WG2013165-2,1633FMED



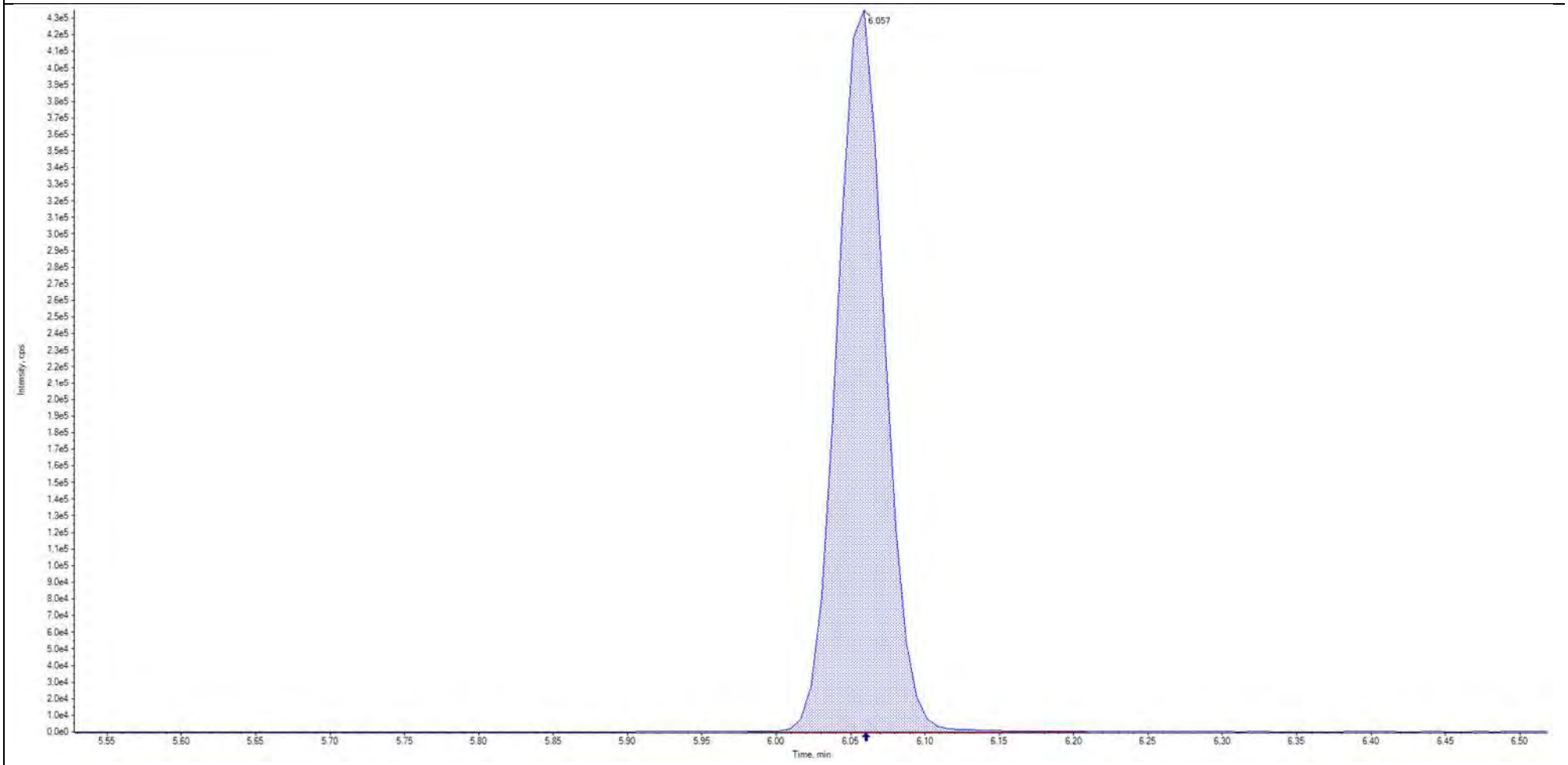
d5-NEtFOSAA
Sample: WG2013165-2,1633FMED



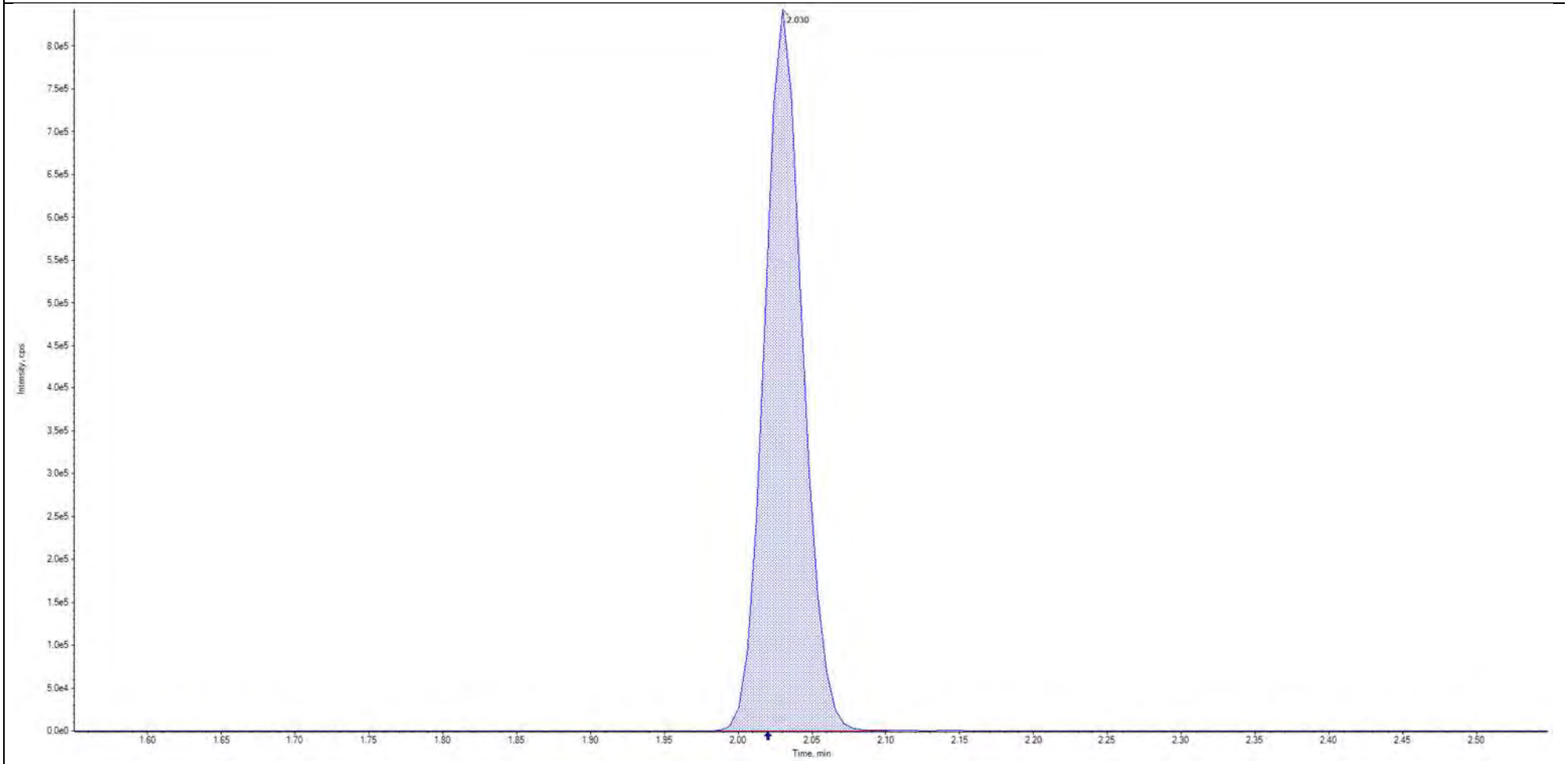
d7-NMeFOSE
Sample: WG2013165-2,1633FMED



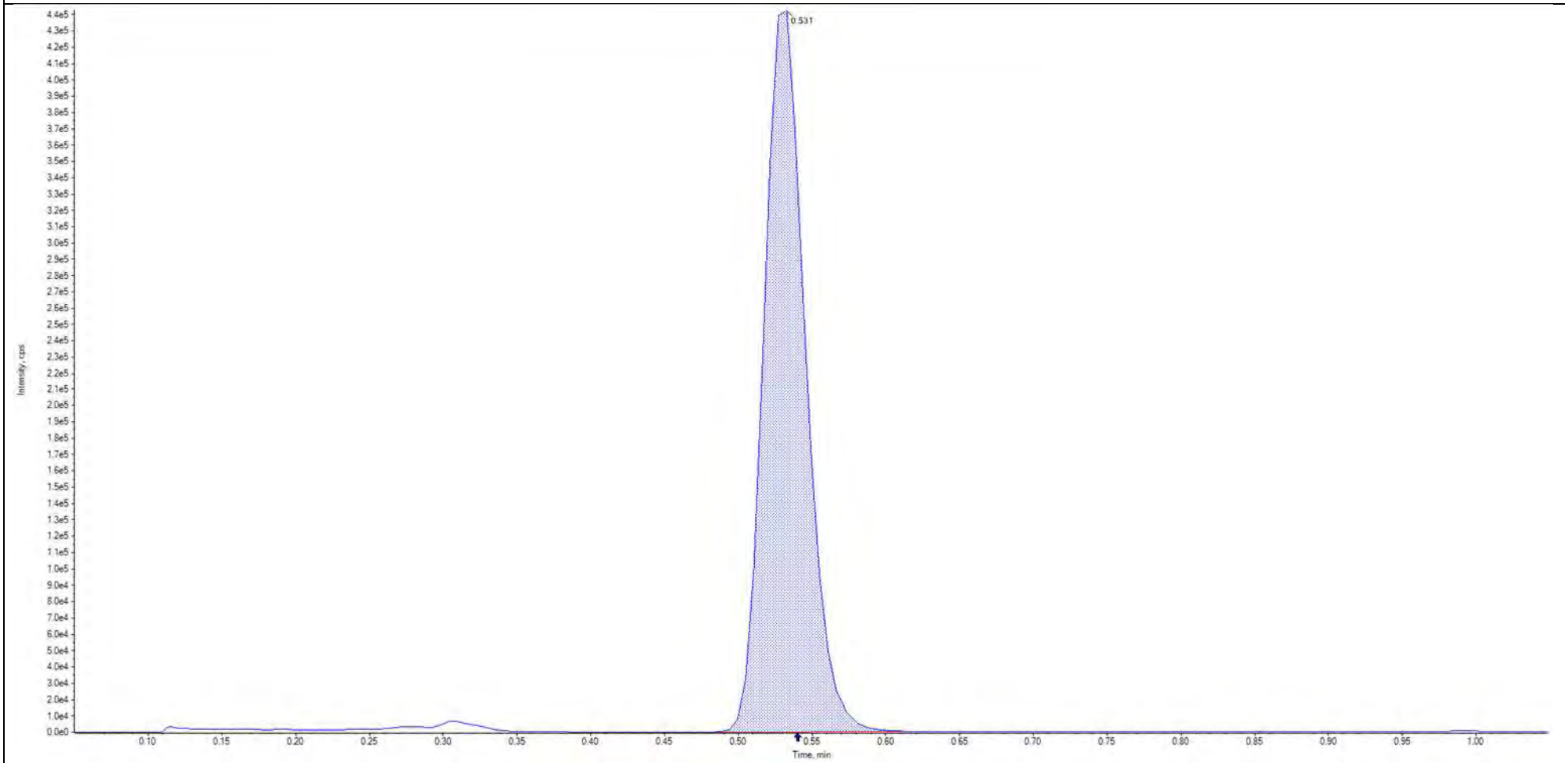
d9-NEtFOSE
Sample: WG2013165-2,1633FMED



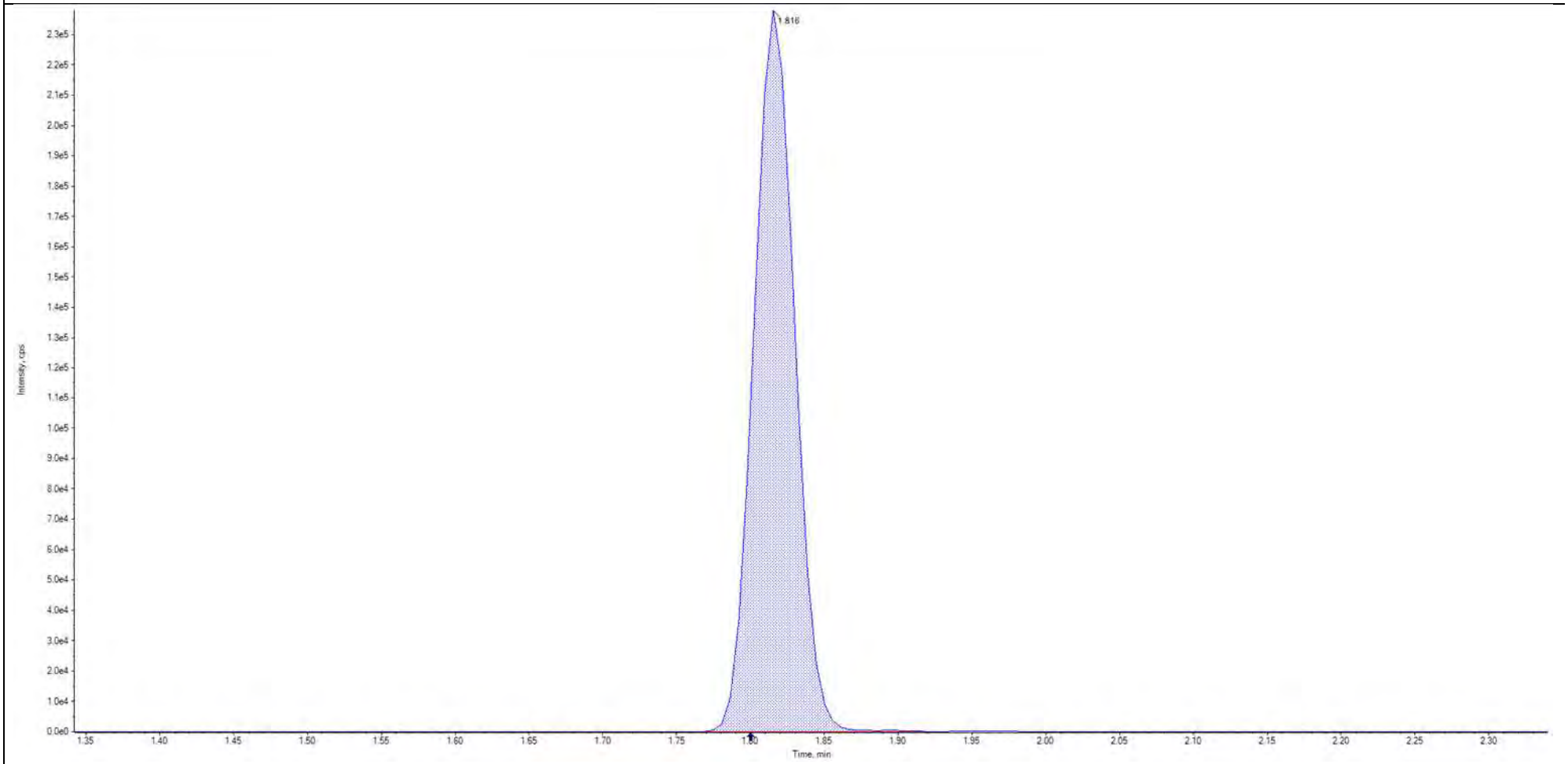
13C3-HFPO-DA
Sample: WG2013165-2,1633FMED



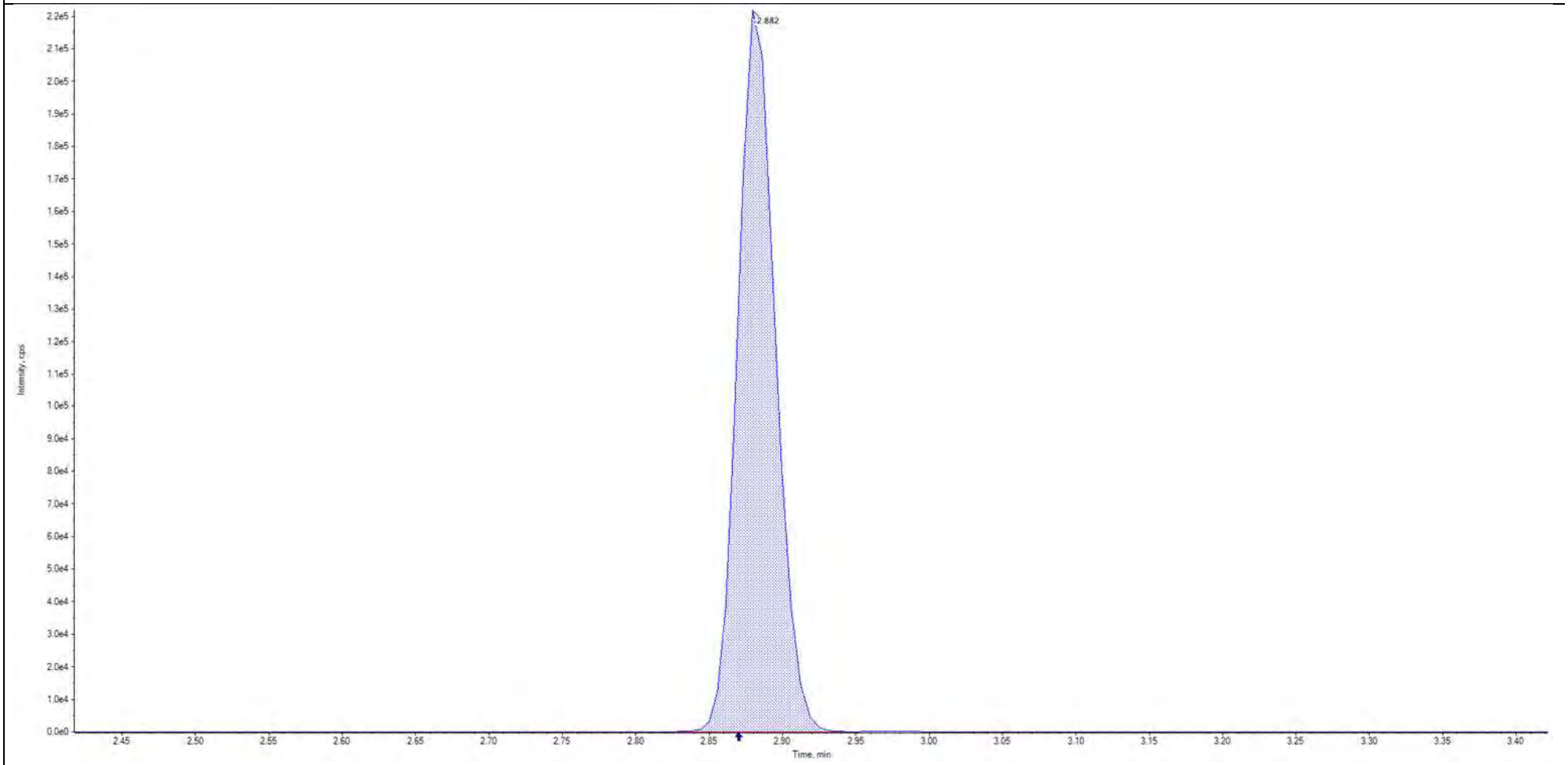
13C3-PFBA
Sample: WG2013165-2,1633FMED



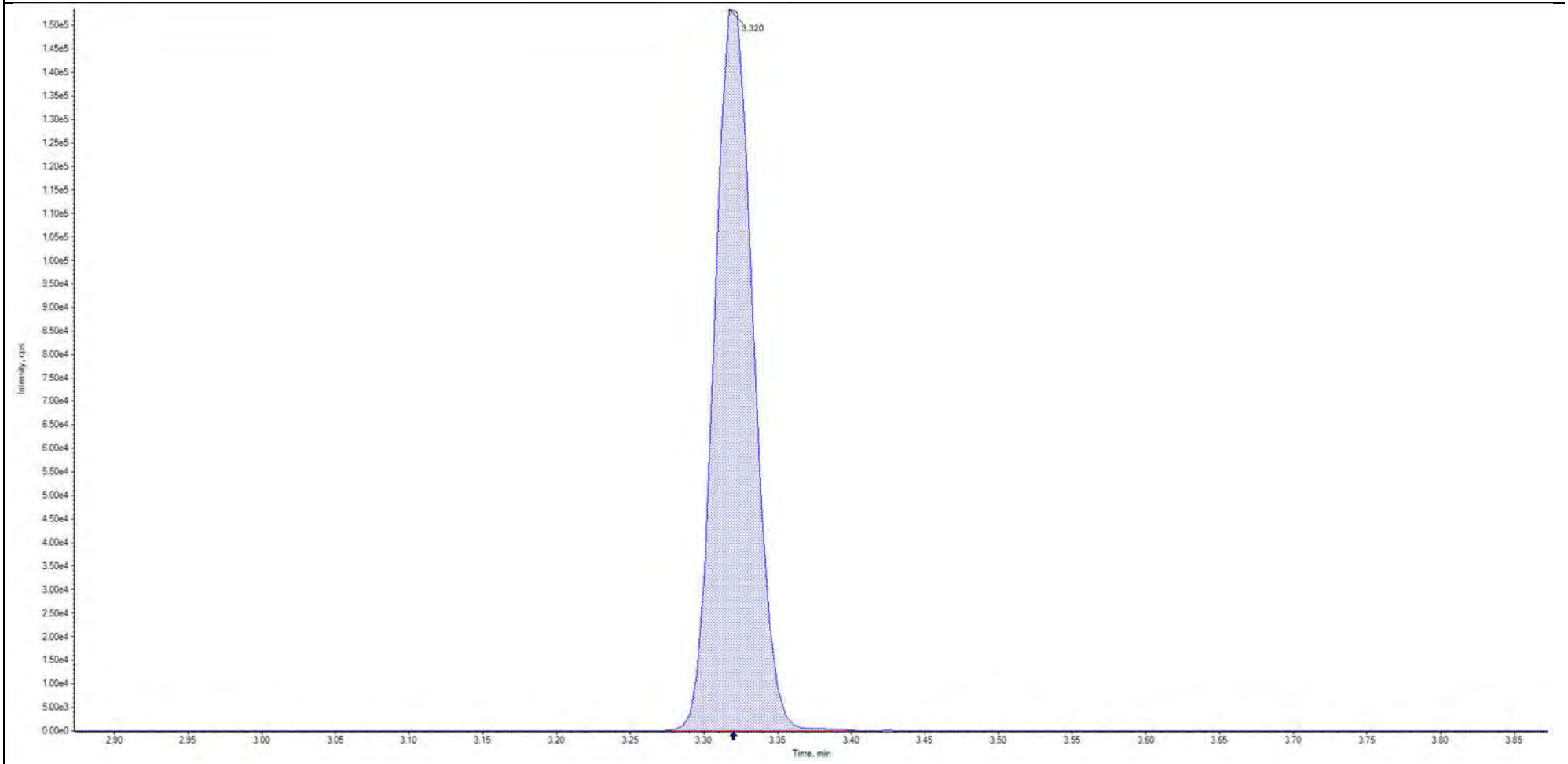
13C2-PFHxA
Sample: WG2013165-2,1633FMED



13C4-PFOA
Sample: WG2013165-2,1633FMED



13C5-PFNA
Sample: WG2013165-2,1633FMED



13C2-PFDA
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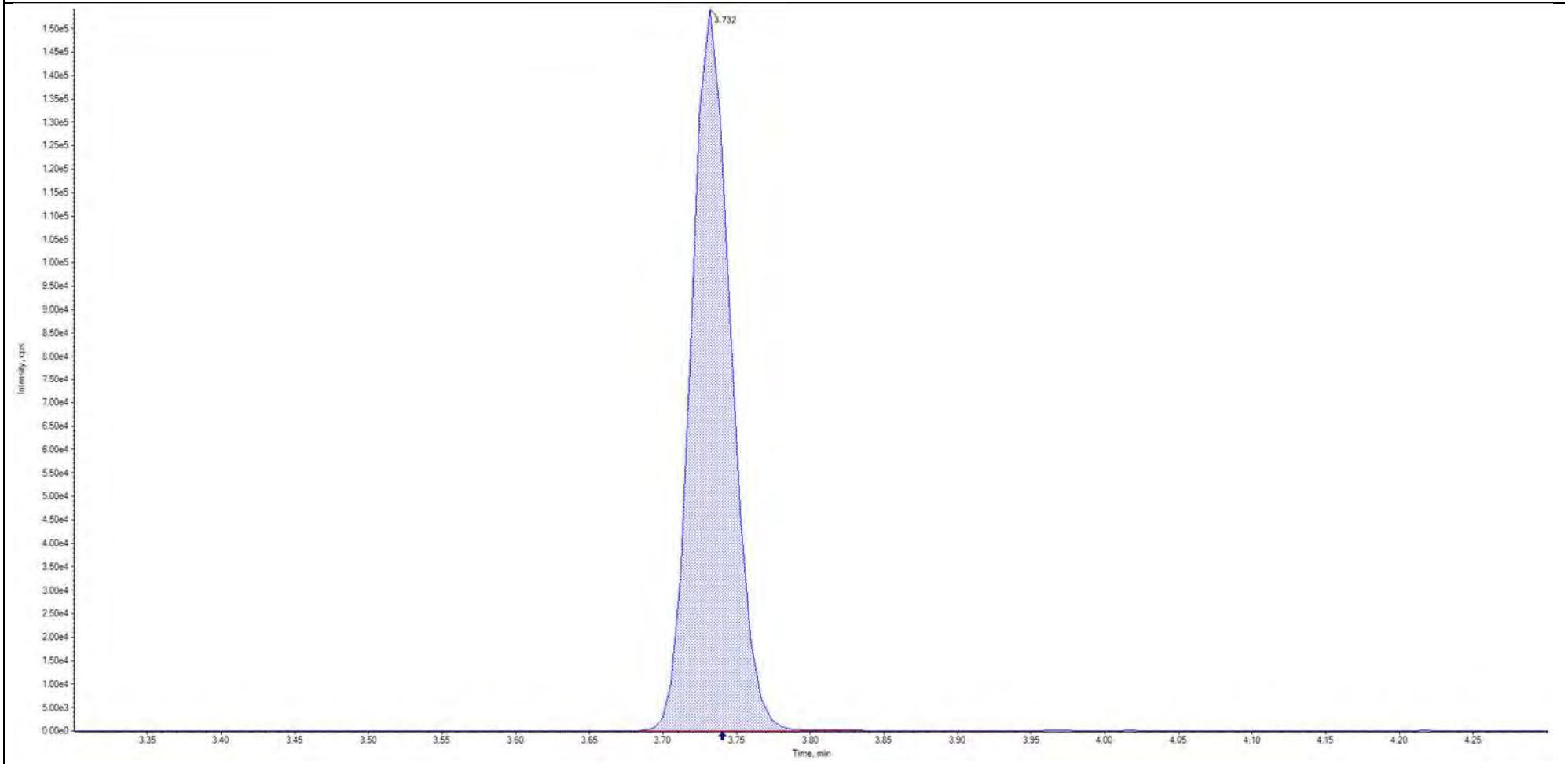

18O2-PFHxS
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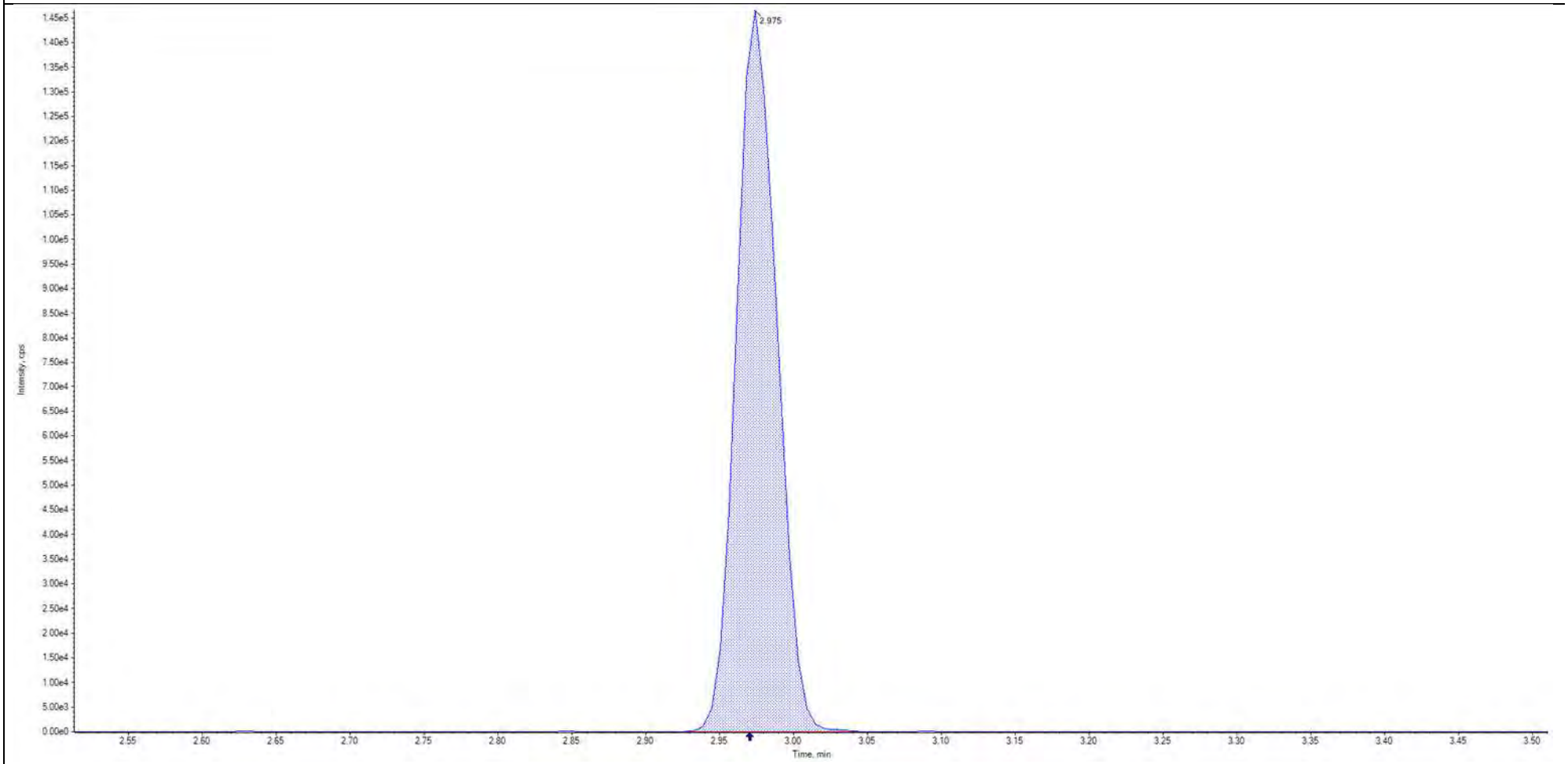
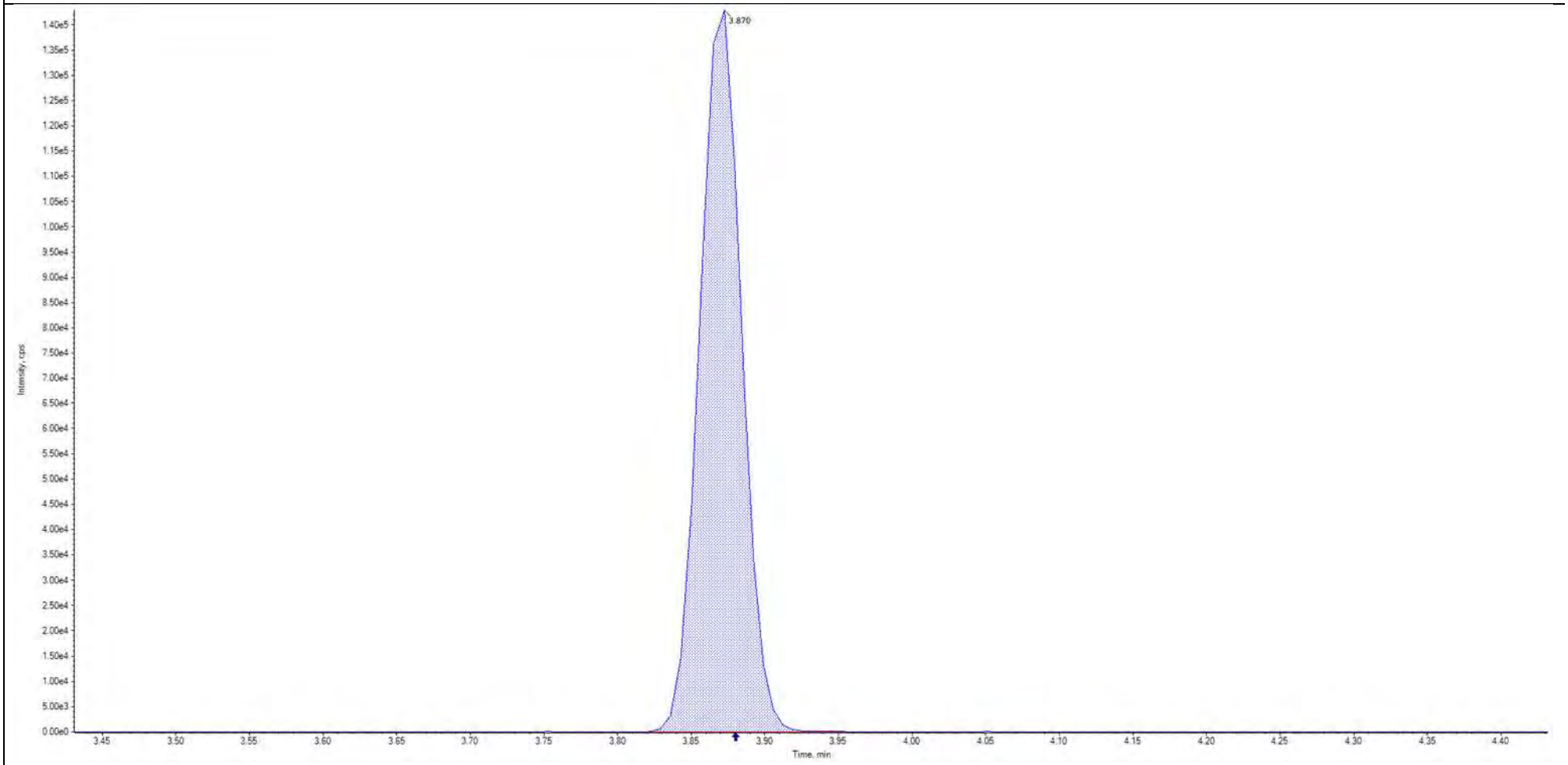


13C4-PFOS
Sample: WG2013165-2,1633FMED



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Alpha Analytical LLC
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Method: EPA1633F.qmethod
Calibration: 241112_1633_ICAL

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Description: WG2013165,WG2000000,ICAL21696,1633FMED
Instrument: SCIEX Triple Quad 5500+
User: LCMS09:AC

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.56	213.0 / 169.0	3204253		18.996	N/A	N/A	N/A	95.0
2	PFPeA	2706-90-3	1.08	263.0 / 219.0	1415397		9.481	0.007	N/A	N/A	94.8
3	PFPeA_2	2706-90-3	1.08	263.0 / 68.9	10326		7.935	0.007	N/A	N/A	79.4
4	PFHxA	307-24-4	1.83	313.0 / 269.0	888521		4.964	0.090	0.089	Pass	99.3
5	PFHxA_2	307-24-4	1.83	313.0 / 119.0	79744		4.905	0.090	0.089	Pass	98.1
6	PFHpA	375-85-9	2.41	363.1 / 319.0	974245		4.897	0.360	0.384	Pass	97.9
7	PFHpA_2	375-85-9	2.40	363.1 / 169.0	350585		4.530	0.360	0.384	Pass	90.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	2.89	413.1 / 369.1	901650	m5	4.524	0.412	0.410	Pass	90.5
9	PFOA_2	335-67-1	2.89	413.1 / 169.0	371627	m5	4.558	0.412	0.410	Pass	91.2
10	PFNA	375-95-1	3.33	462.8 / 418.9	902648	m5	4.966	0.332	0.341	Pass	99.3
11	PFNA_2	375-95-1	3.32	462.8 / 219.0	299561	m5	4.780	0.332	0.341	Pass	95.6
12	PFDA	335-76-2	3.74	513.1 / 469.1	960788		4.623	0.184	0.215	Pass	92.5
13	PFDA_2	335-76-2	3.74	513.1 / 219.0	177188		4.529	0.184	0.215	Pass	90.6
14	PFUnA	2058-94-8	4.13	563.1 / 519.1	885573		4.349	0.148	0.151	Pass	87.0
15	PFUnA_2	2058-94-8	4.13	563.1 / 269.0	131379		4.335	0.148	0.151	Pass	86.7
16	PFDoA	307-55-1	4.52	613.1 / 569.1	1035142		5.025	0.144	0.140	Pass	100.5
17	PFDoA_2	307-55-1	4.51	613.1 / 319.0	149371		5.160	0.144	0.140	Pass	103.2
18	PFTrDA	72629-94-8	4.88	663.1 / 619.1	954725		5.090	0.160	0.159	Pass	101.8
19	PFTrDA_2	72629-94-8	4.88	663.1 / 169.0	152414		5.252	0.160	0.159	Pass	105.0
20	PFTeDA	376-06-7	5.24	713.1 / 669.1	835514		4.975	0.160	0.159	Pass	99.5
21	PFTeDA_2	376-06-7	5.24	713.1 / 169.0	133771		4.984	0.160	0.159	Pass	99.7
22	PFBS	375-73-5	1.82	299.1 / 80.1	733383		4.214	0.366	0.398	Pass	94.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	1.82	299.1 / 99.1	268262		4.424	0.366	0.398	Pass	94.1
24	PFPeS	2706-91-4	2.46	349.1 / 80.1	729823		4.877	0.298	0.285	Pass	103.8
25	PFPeS_2	2706-91-4	2.46	349.1 / 99.1	217267		4.638	0.298	0.285	Pass	98.7
26	PFHxS	355-46-4	2.98	399.1 / 80.1	583897	m5	4.062	0.309	0.293	Pass	89.1
27	PFHxS_2	355-46-4	2.98	399.1 / 99.1	180600	m5	4.371	0.309	0.293	Pass	95.9
28	PFHpS	375-92-8	3.44	449.1 / 80.1	603967		4.672	0.299	0.308	Pass	98.2
29	PFHpS_2	375-92-8	3.44	449.1 / 99.1	180294		4.776	0.299	0.308	Pass	100.3
30	PFOS	1763-23-1	3.87	499.1 / 80.1	599888	m5	4.000	0.255	0.241	Pass	86.2
31	PFOS_2	1763-23-1	3.87	499.1 / 99.1	152704	m5	4.203	0.255	0.241	Pass	90.6
32	PFNS	68259-12-1	4.28	549.1 / 80.1	485115		4.495	0.282	0.299	Pass	93.6
33	PFNS_2	68259-12-1	4.28	549.1 / 99.1	136853		4.351	0.282	0.299	Pass	90.6
34	PFDS	335-77-3	4.67	599.1 / 80.1	487062		4.245	0.279	0.274	Pass	88.1
35	PFDS_2	335-77-3	4.66	599.1 / 99.1	135970		4.148	0.279	0.274	Pass	86.1
36	PFDoS	79780-39-5	5.39	699.2 / 80.1	403861		4.045	0.265	0.247	Pass	83.6
37	PFDoS_2	79780-39-5	5.39	699.2 / 99.1	107198		4.186	0.265	0.247	Pass	86.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	1.63	327.1 / 307.1	618084		17.200	0.635	0.634	Pass	92.0
39	4:2FTS_2	757124-72-4	1.63	327.1 / 81.1	392504		17.281	0.635	0.634	Pass	92.4
40	6:2FTS	27619-97-2	2.71	427.2 / 407.2	476343		16.008	0.666	0.609	Pass	84.3
41	6:2FTS_2	27619-97-2	2.71	427.2 / 81.1	317034		17.151	0.666	0.609	Pass	90.3
42	8:2FTS	39108-34-4	3.56	527.2 / 507.2	399433		18.570	0.692	0.681	Pass	96.7
43	8:2FTS_2	39108-34-4	3.56	527.2 / 81.1	276338		19.824	0.692	0.681	Pass	103.3
44	PFOSA	754-91-6	5.18	498.1 / 78.1	863615	m5	4.439	0.025	0.024	Pass	88.8
45	PFOSA_2	754-91-6	5.18	498.1 / 478.0	21785	m5	4.537	0.025	0.024	Pass	90.7
46	NMeFOSA	31506-32-8	5.91	512.2 / 219.0	217161	m5	5.018	1.366	1.421	Pass	100.4
47	NMeFOSA_2	31506-32-8	5.87	512.2 / 169.0	296623	m5	4.764	1.366	1.421	Pass	95.3
48	NEtFOSA	4151-50-2	6.21	526.2 / 219.0	198276		4.714	1.308	1.258	Pass	94.3
49	NEtFOSA_2	4151-50-2	6.17	526.2 / 169.0	259444		4.773	1.308	1.258	Pass	95.5
50	NMeFOSAA	2355-31-9	3.88	570.2 / 419.1	88994	m5	4.664	0.725	0.683	Pass	93.3
51	NMeFOSAA_2	2355-31-9	3.88	570.2 / 483.0	64522		4.828	0.725	0.683	Pass	96.6
52	NEtFOSAA	2991-50-6	4.09	584.2 / 419.1	86765		4.750	0.630	0.571	Pass	95.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.09	584.2 / 526.2	54660	m5	5.151	0.630	0.571	Pass	103.0
54	NMeFOSE	24448-09-7	5.78	616.1 / 58.9	2805982	m5	47.500	N/A	N/A	N/A	95.0
55	NEtFOSE	1691-99-2	6.08	630.0 / 58.9	4047192	m5	49.626	N/A	N/A	N/A	99.3
56	HFPO-DA	13252-13-6	2.04	285.0 / 169.0	2953175		19.797	0.534	0.510	Pass	99.0
57	HFPO-DA_2	13252-13-6	2.04	285.0 / 184.9	1577123		19.714	0.534	0.510	Pass	98.6
58	ADONA	919005-14-4	2.59	376.9 / 251.0	4904077		19.006	0.654	0.636	Pass	100.6
59	ADONA_2	919005-14-4	2.58	376.9 / 84.8	3205083		16.335	0.654	0.636	Pass	86.4
60	9Cl-PF3ONS	756426-58-1	4.15	530.8 / 351.1	5131628		19.004	0.344	0.326	Pass	101.6
61	9Cl-PF3ONS_2	756426-58-1	4.15	532.8 / 353.0	1763066		19.531	0.344	0.326	Pass	104.5
62	11Cl-PF3OUdS	763051-92-9	4.92	630.9 / 451.0	4789969		20.027	0.325	0.318	Pass	106.0
63	11Cl-PF3OUdS_2	763051-92-9	4.92	632.9 / 452.9	1555500		20.308	0.325	0.318	Pass	107.5
64	3:3FTCA	356-02-5	1.46	241.1 / 177.1	270583		22.490	1.049	1.068	Pass	90.0
65	3:3FTCA_2	356-02-5	1.46	241.1 / 117.0	283875		22.013	1.049	1.068	Pass	88.1
66	5:3FTCA	914637-49-3	2.96	341.1 / 237.1	5261001		112.086	1.038	1.045	Pass	89.7
67	5:3FTCA_2	914637-49-3	2.96	341.1 / 217.0	5458992		113.748	1.038	1.045	Pass	91.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	3.99	441.1 / 316.9	4377308		120.657	1.453	1.285	Pass	96.5
69	7:3FTCA_2	812-70-4	3.99	441.1 / 337.1	6360747		135.182	1.453	1.285	Pass	108.2
70	PFEESA	113507-82-7	2.12	315.1 / 135.0	4234502		8.223	0.080	0.081	Pass	92.2
71	PFEESA_2	113507-82-7	2.12	315.1 / 82.9	339586		8.125	0.080	0.081	Pass	91.1
72	PFMPA	377-73-1	0.70	229.0 / 85.0	1551643		8.862	N/A	N/A	N/A	88.6
73	PFMBA	863090-89-5	1.35	279.0 / 85.0	1684862		8.875	N/A	N/A	N/A	88.8
74	NFDHA	151772-58-6	1.76	295.0 / 201.0	1120656		10.359	0.739	0.681	Pass	103.6
75	NFDHA_2	151772-58-6	1.76	295.0 / 84.9	827912		10.626	0.739	0.681	Pass	106.3
76	TDCA	516-50-7	2.59	499.1 / 124.1	3046831		12.316	5.505	5.357	Pass	123.2
77	TDCA_2	516-50-7	2.58	499.1 / 79.9	16773498		12.810	5.505	5.357	Pass	128.1
78	13C2D4-4:2FTS	Surr	1.62	333.2 / 312.1	116639		5.153	N/A	N/A	N/A	103.1
79	13C2-PFOA	Surr	2.88	415.0 / 370.0	336298		2.554	N/A	N/A	N/A	102.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.56	217.0 / 172.0	1978443		9.914	NA	NA	NA	99.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.08	268.0 / 223.0	851949		5.407	NA	NA	NA	108.1
	13C5-PFHxA	EIS	1.83	318.0 / 273.0	390281		2.348	NA	NA	NA	93.9
	13C4-PFHpA	EIS	2.40	367.0 / 322.0	326716		2.355	NA	NA	NA	94.2
	13C8-PFOA	EIS	2.88	420.8 / 376.0	616487		2.657	NA	NA	NA	106.3
	13C9-PFNA	EIS	3.32	472.0 / 427.0	256229		1.205	NA	NA	NA	96.4
	13C6-PFDA	EIS	3.73	519.0 / 474.0	306783		1.364	NA	NA	NA	109.1
	13C7-PFUnA	EIS	4.13	570.0 / 525.0	312852		1.253	NA	NA	NA	100.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.51	615.1 / 570.0	293249		1.099	NA	NA	NA	88.0
	13C2-PFTeDA	EIS	5.24	715.1 / 670.1	212621		1.074	NA	NA	NA	85.9
	13C3-PFBS	EIS	1.82	302.1 / 80.1	404958		2.573	NA	NA	NA	110.5
	13C3-PFHxS	EIS	2.98	402.1 / 80.1	331286		2.376	NA	NA	NA	100.3
	13C8-PFOS	EIS	3.87	507.1 / 80.1	340546		2.559	NA	NA	NA	106.6
	13C2-4:2FTS	EIS	1.63	329.1 / 81.1	107230		4.904	NA	NA	NA	104.6
	13C2-6:2FTS	EIS	2.70	429.2 / 81.1	90592		4.668	NA	NA	NA	98.1
	13C2-8:2FTS	EIS	3.56	529.2 / 81.1	82660		3.598	NA	NA	NA	75.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	5.17	506.1 / 78.1	618989		2.740	NA	NA	NA	109.6
	d3-NMeFOSA	EIS	5.90	515.2 / 219.0	100274		2.711	NA	NA	NA	108.4
	d5-NEtFOSA	EIS	6.19	531.2 / 219.0	94491		2.815	NA	NA	NA	112.6
	d3-NMeFOSAA	EIS	3.87	573.2 / 419.1	120270		5.236	NA	NA	NA	104.7
	d5-NEtFOSAA	EIS	4.08	589.3 / 419.1	96841		4.278	NA	NA	NA	85.6
	d7-NMeFOSE	EIS	5.76	623.2 / 58.9	685073		28.588	NA	NA	NA	114.4
	d9-NEtFOSE	EIS	6.05	639.2 / 58.9	945261		29.314	NA	NA	NA	117.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.04	287.0 / 169.0	1564508		9.636	NA	NA	NA	96.4
	13C3-PFBA	NIS	0.56	216.0 / 172.0	869883		6.860	NA	NA	NA	137.2
	13C2-PFHxA	NIS	1.83	315.0 / 270.0	461245		3.097	NA	NA	NA	123.9
	13C4-PFOA	NIS	2.88	417.0 / 372.0	369911		2.566	NA	NA	NA	102.6
	13C5-PFNA	NIS	3.32	468.0 / 423.0	264812		1.297	NA	NA	NA	103.7
	13C2-PFDA	NIS	3.73	515.1 / 470.1	266950		1.266	NA	NA	NA	101.3
	18O2-PFHxS	NIS	2.98	403.1 / 84.1	291132		2.495	NA	NA	NA	105.3
	13C4-PFOS	NIS	3.87	503.1 / 80.1	265032		2.112	NA	NA	NA	88.0

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	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec

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PFBA
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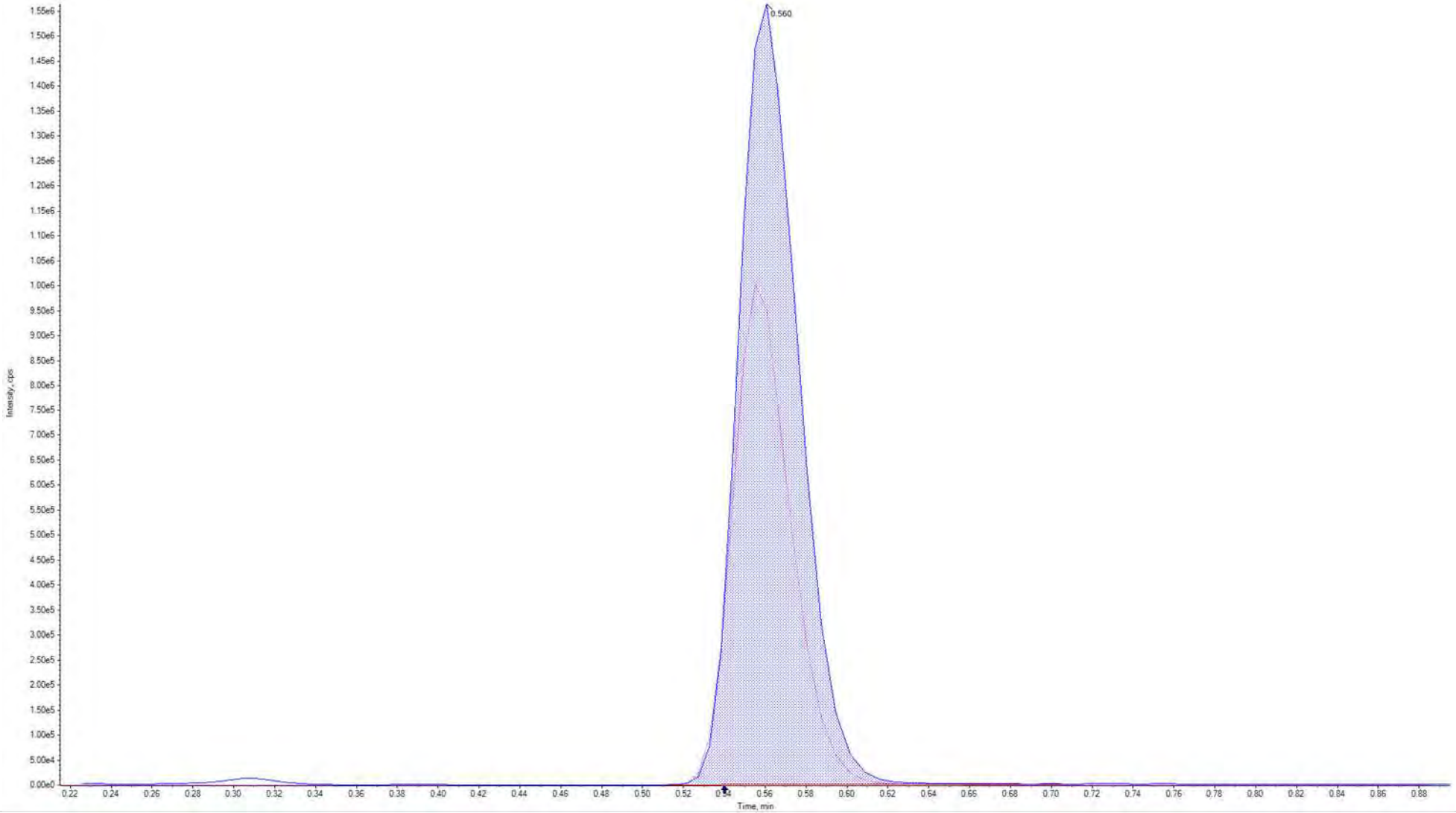

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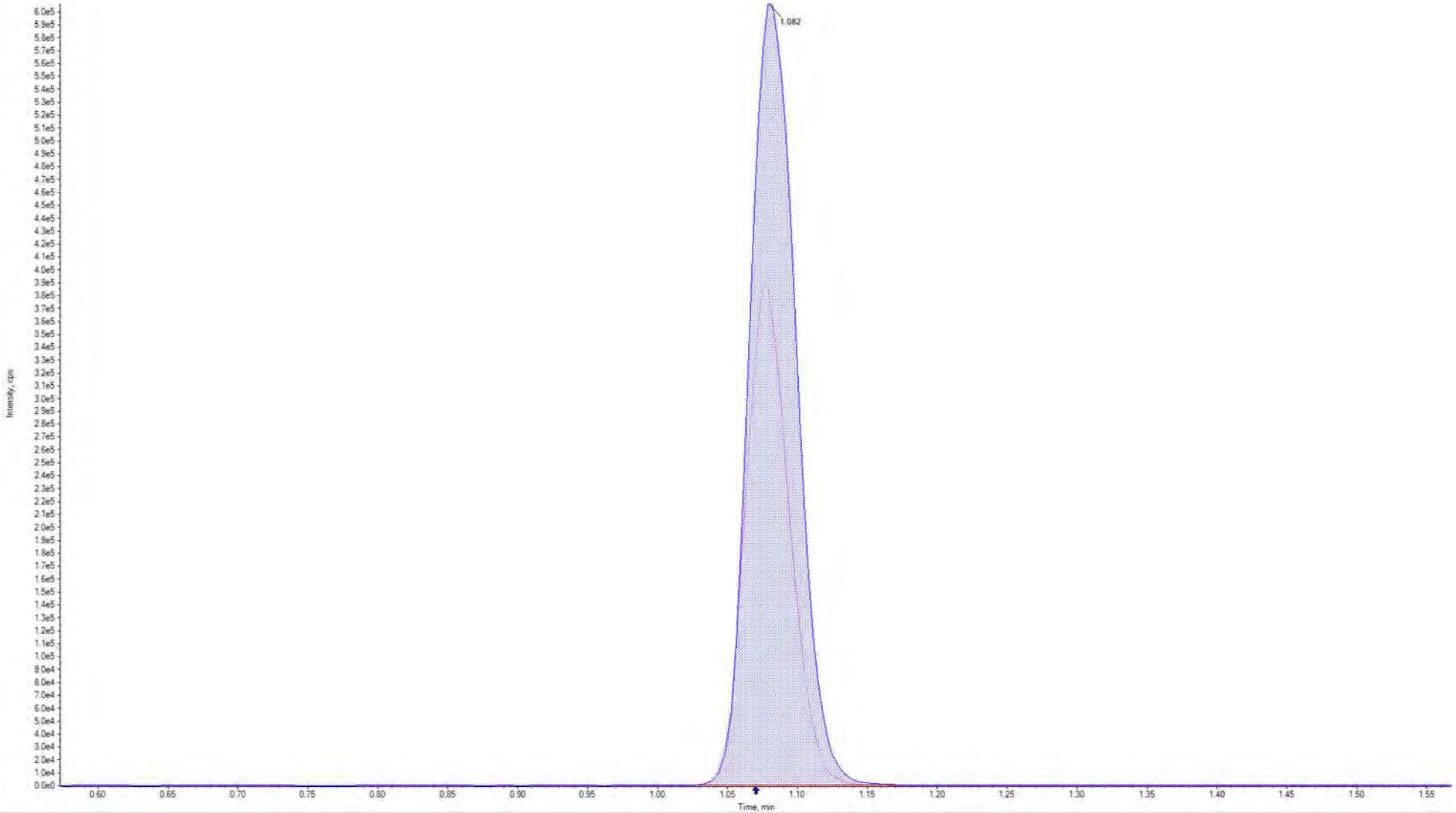
PFPeA
Sample: WG2013165-5,1633FMED S/N:3413.7 Points Across peak:44



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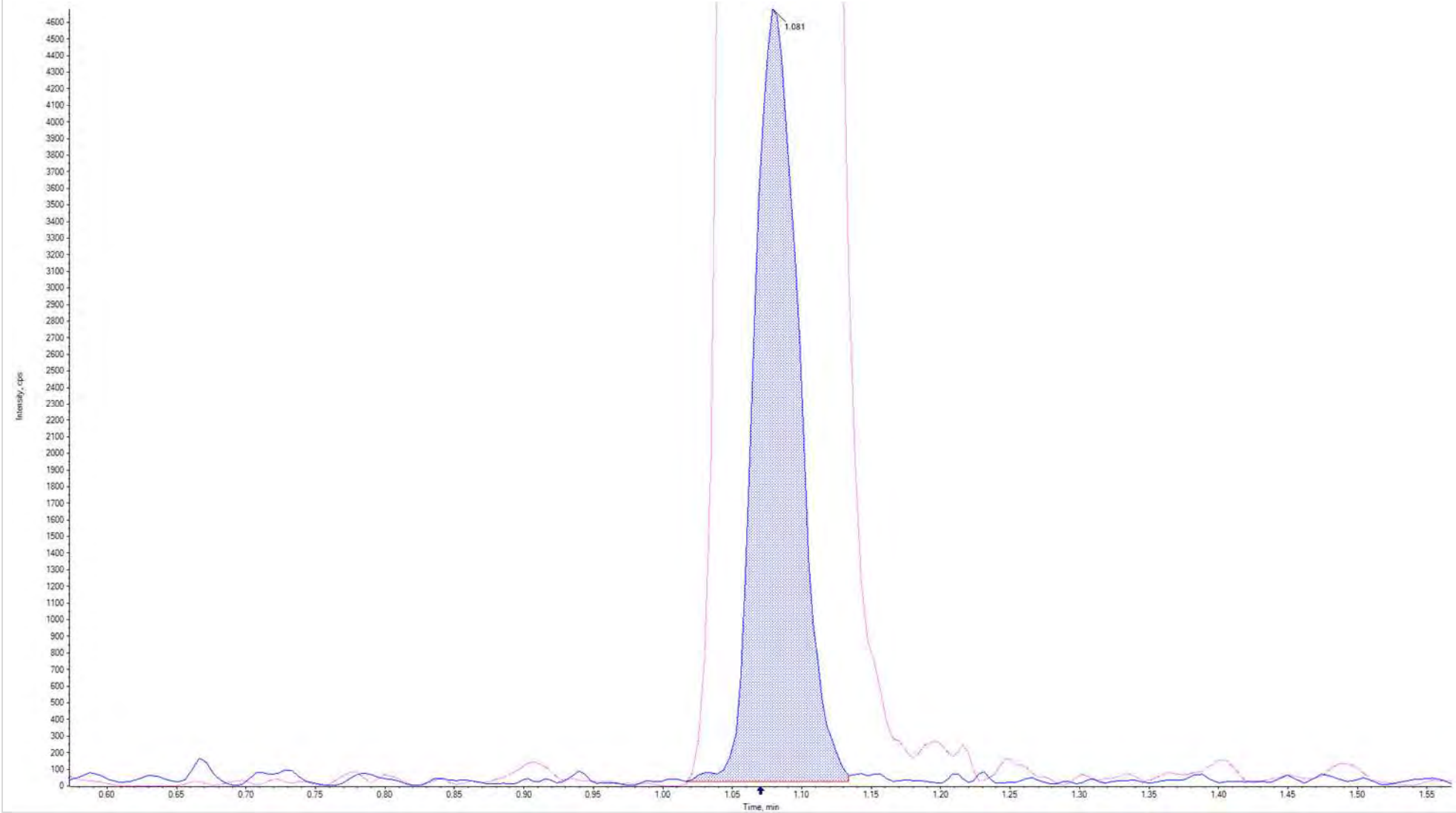
PFPeA_2
Sample: WG2013165-5,1633FMED S/N:279.9 Points Across peak:33



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PFHxA
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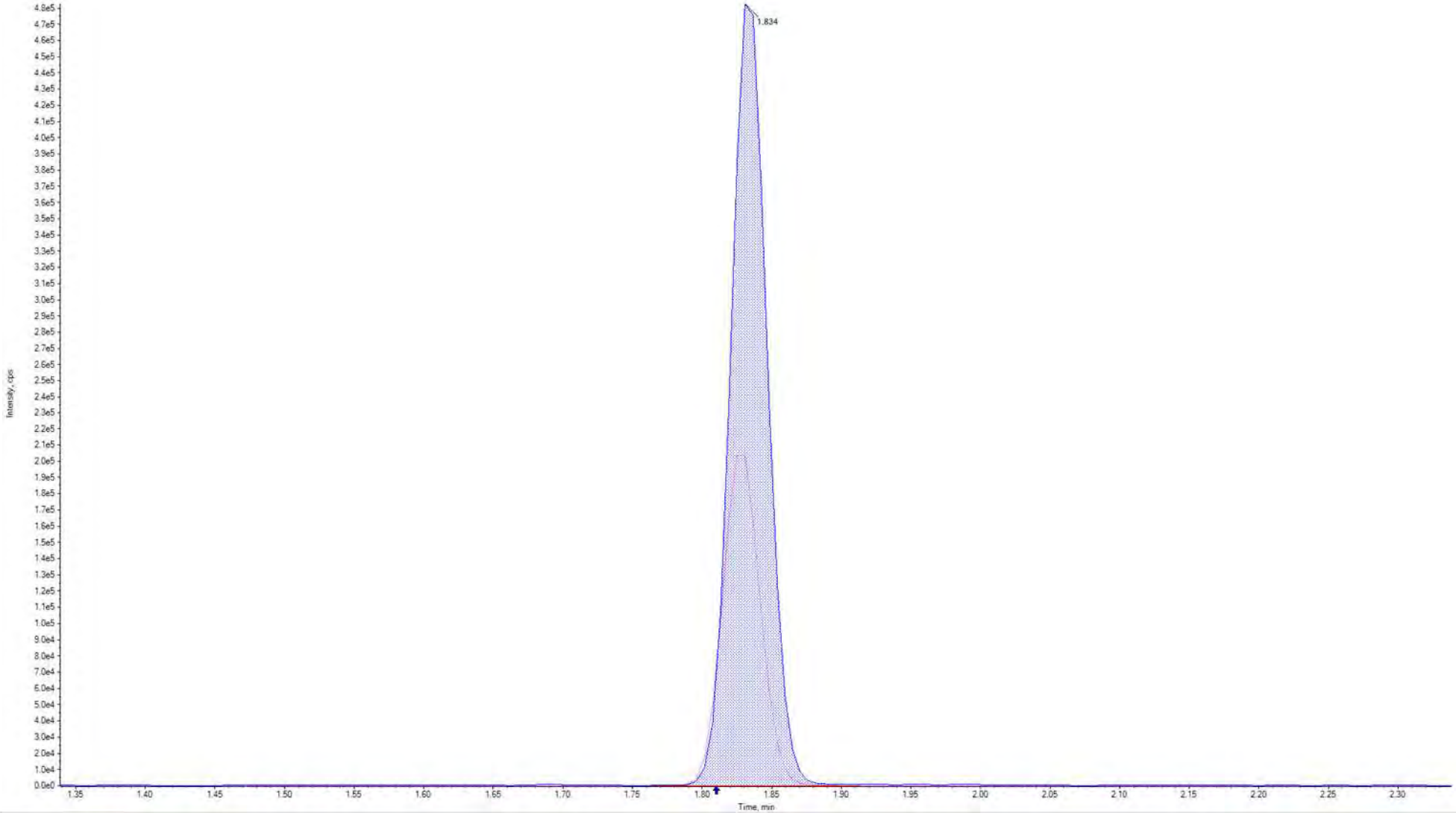
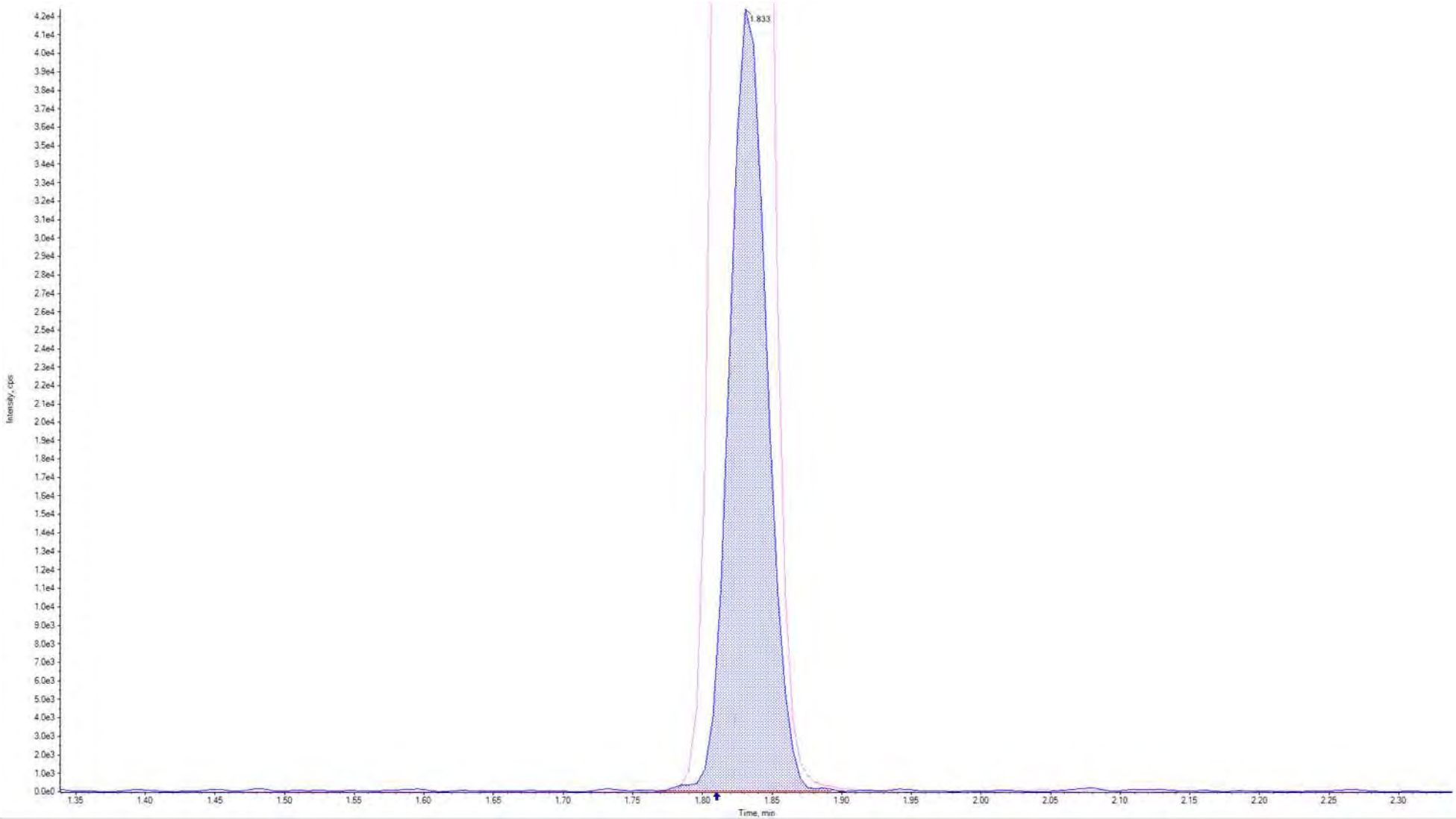


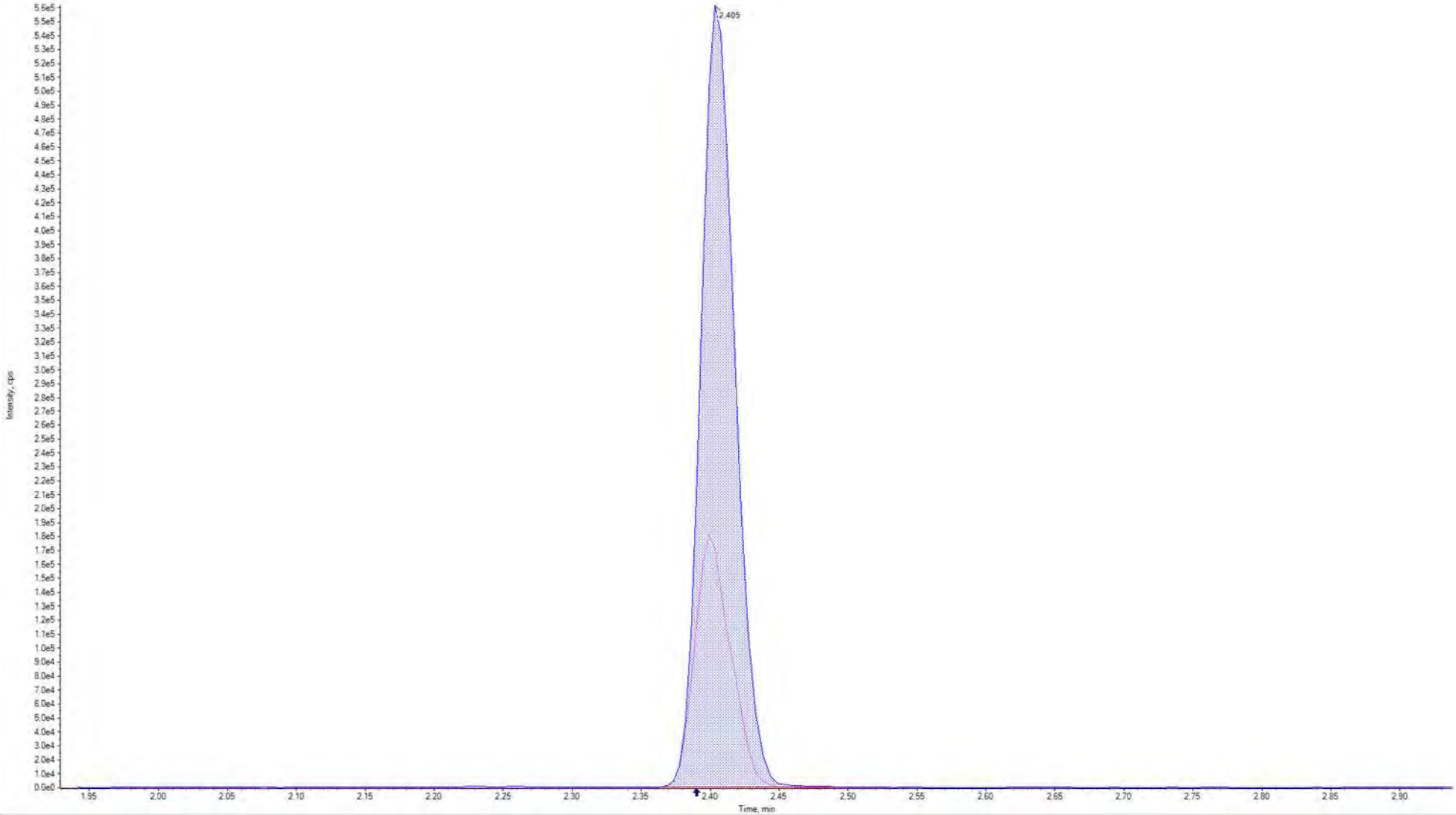
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFHxA_2
Sample: WG2013165-5,1633FMED S/N:1061.7 Points Across peak:25



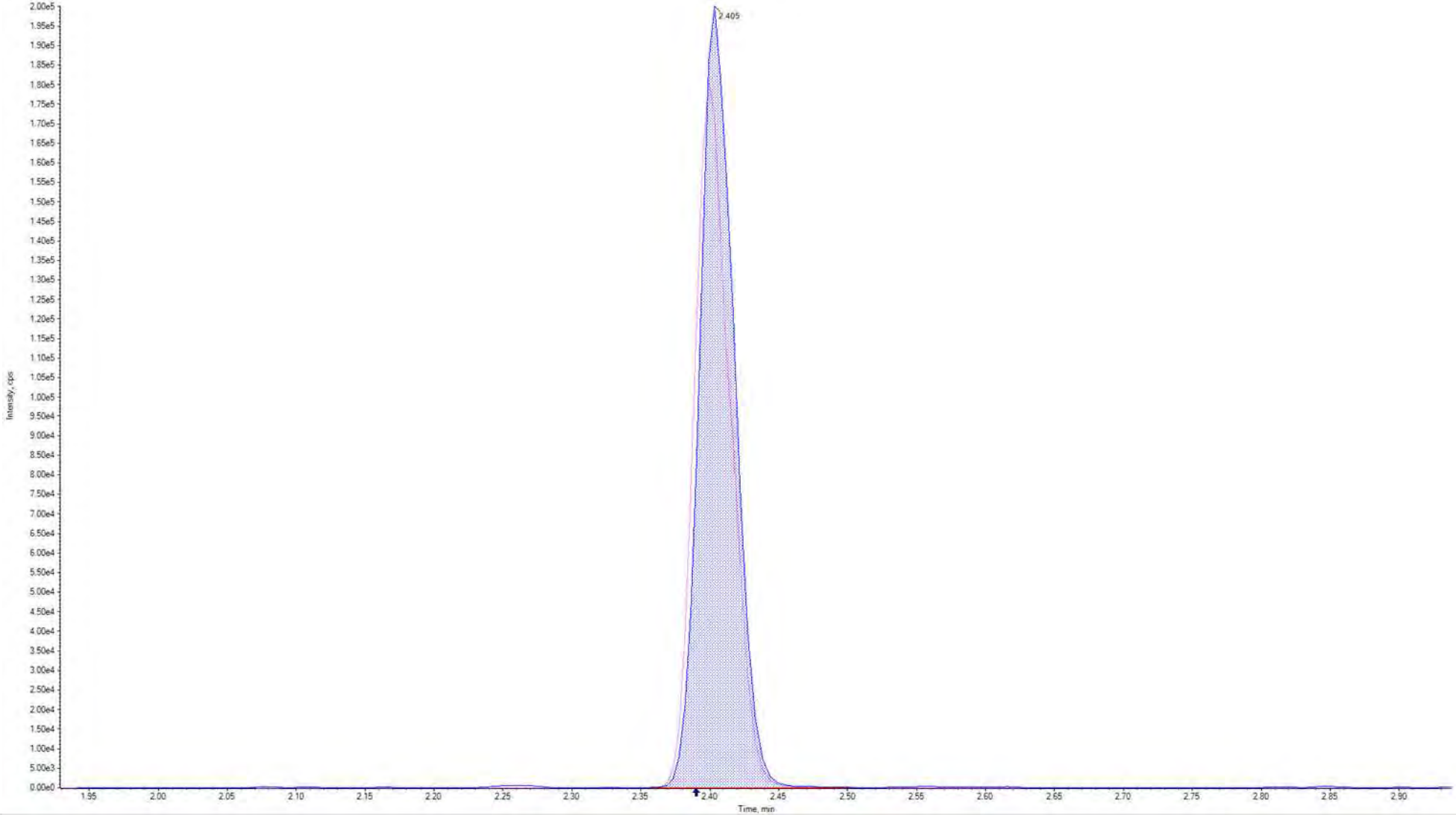
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFHpA
Sample: WG2013165-5,1633FMED S/N:6079.9 Points Across peak:37



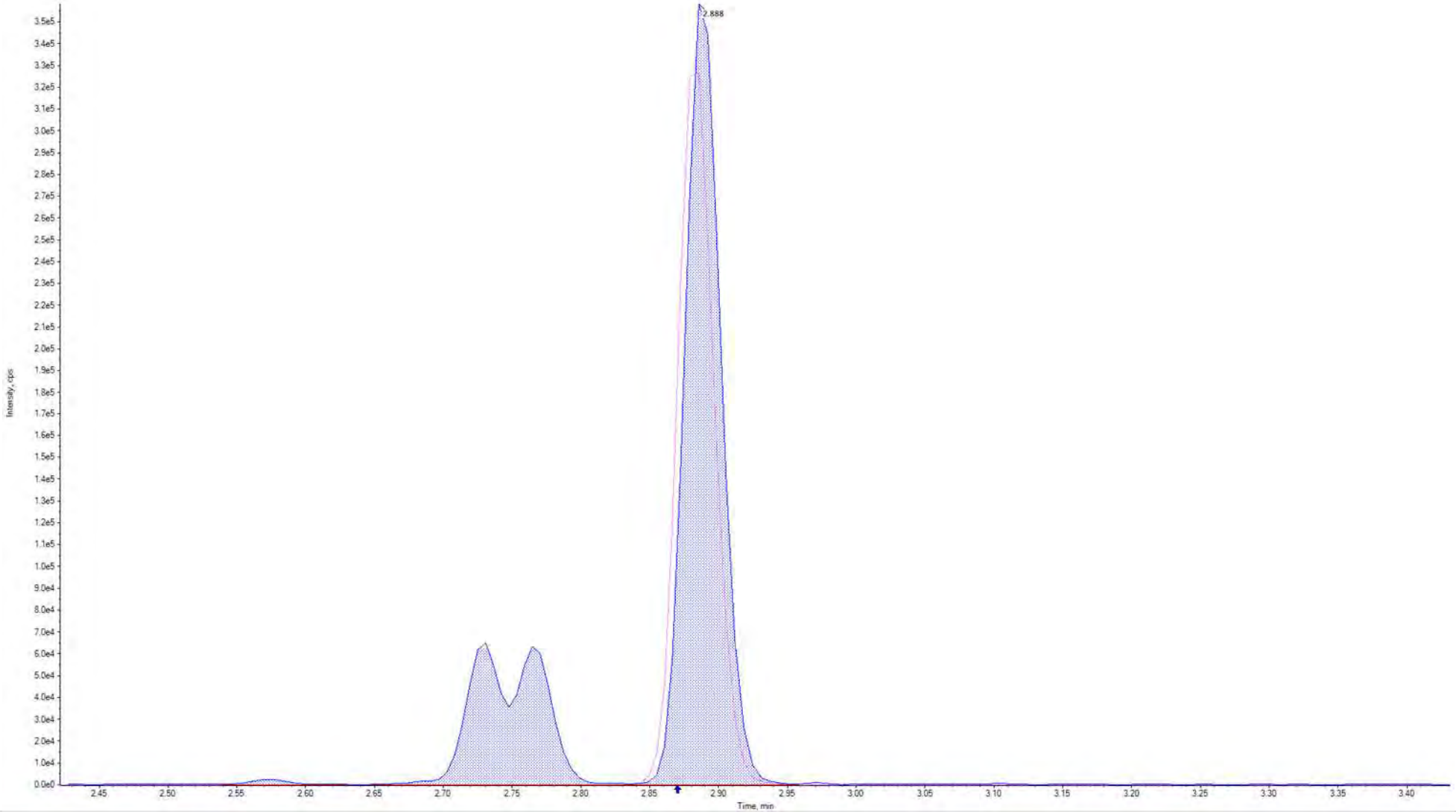
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFHpA_2
Sample: WG2013165-5,1633FMED S/N:4012.1 Points Across peak:33



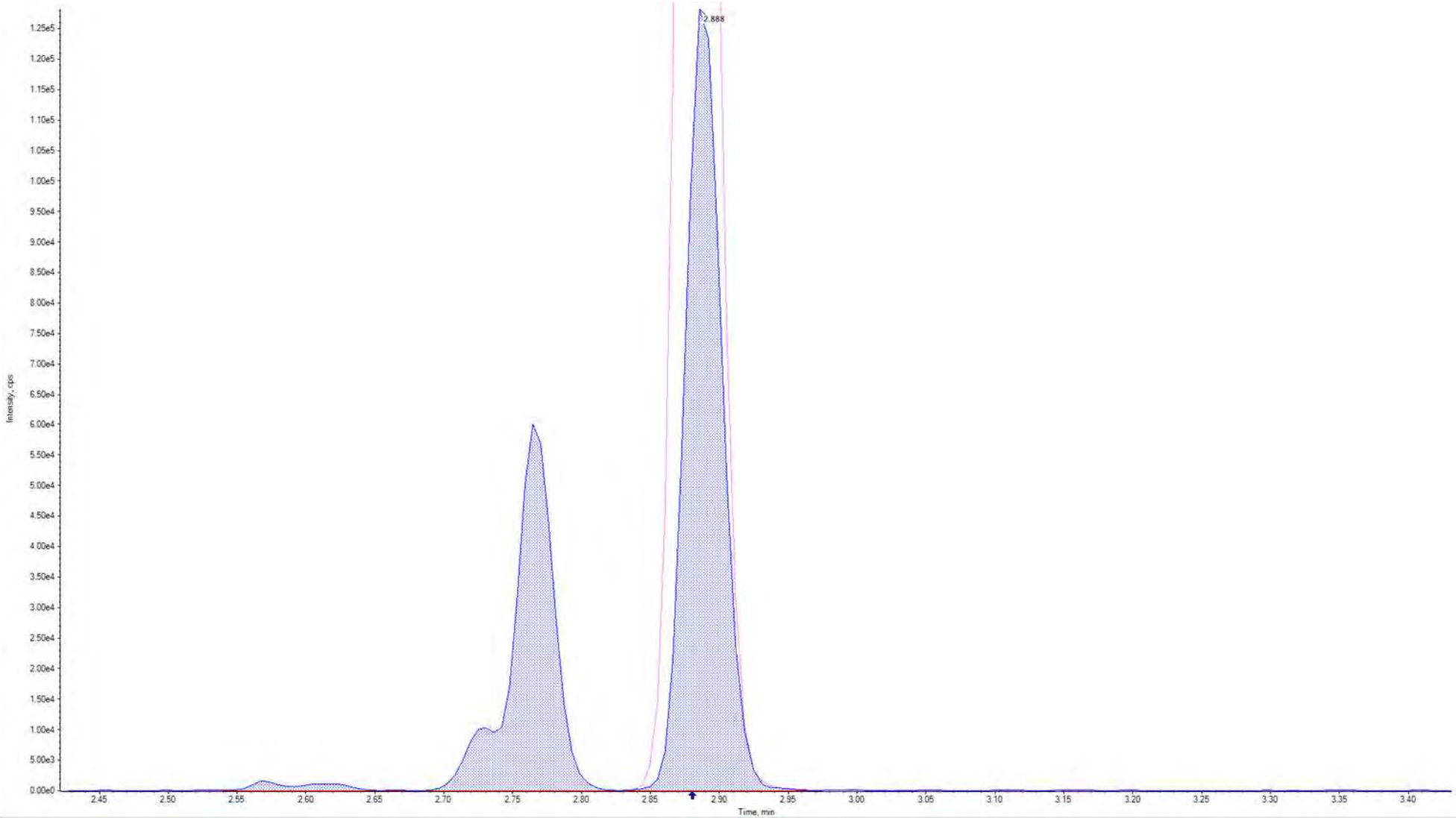
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFOA
Sample: WG2013165-5,1633FMED S/N:740.2 Points Across peak:73



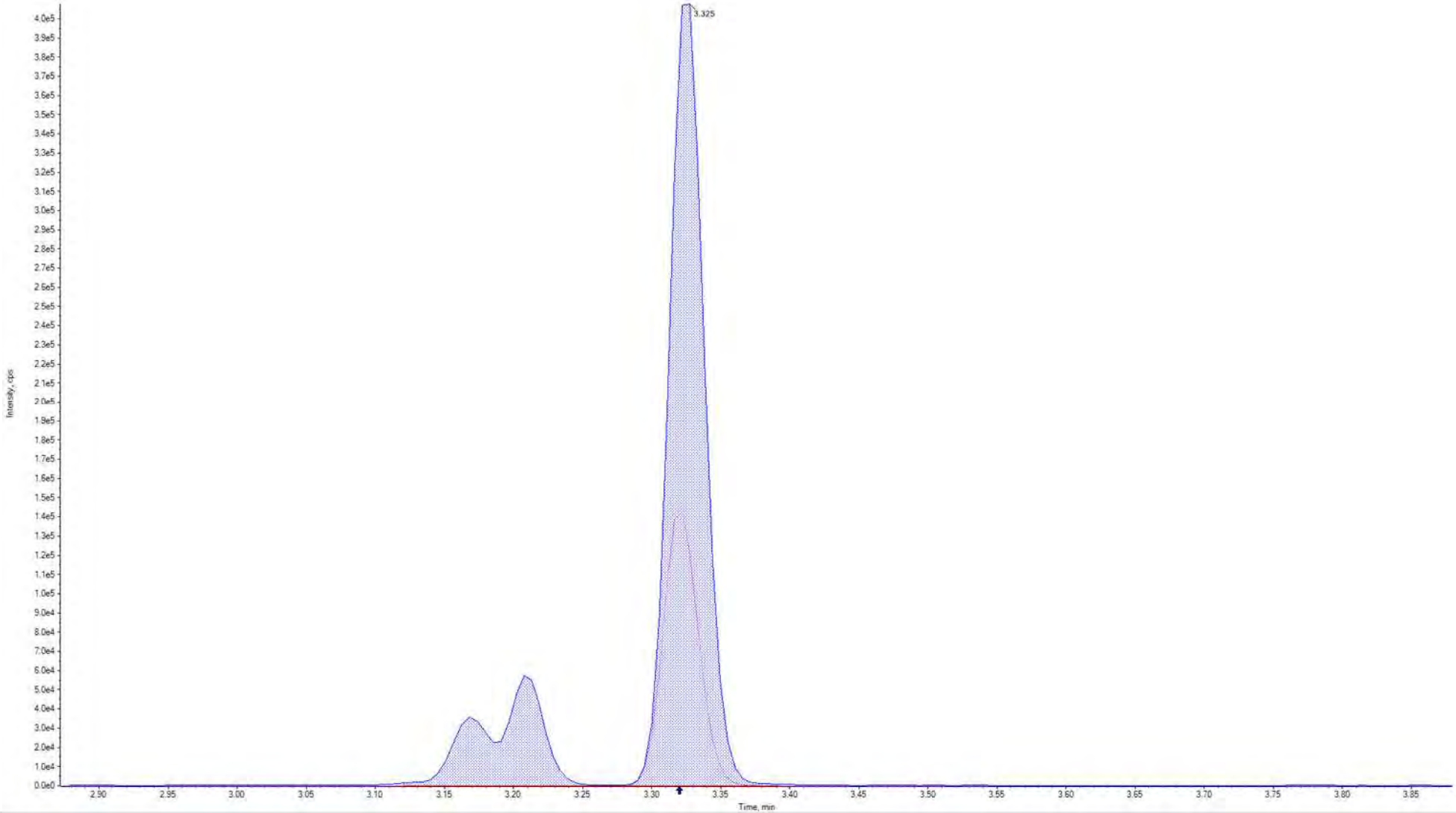
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFOA_2
Sample: WG2013165-5,1633FMED S/N:550.5 Points Across peak:76



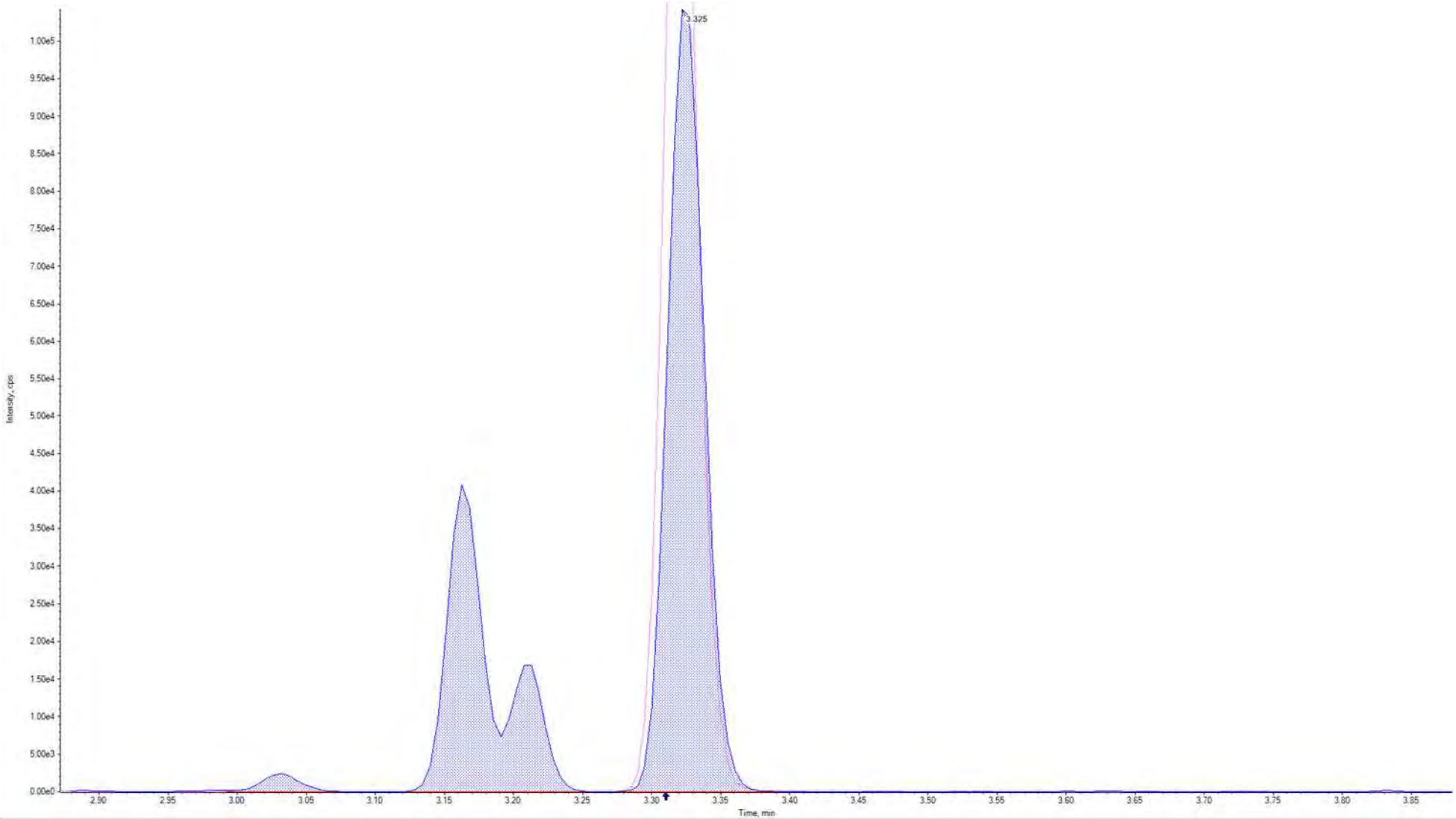
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFNA
Sample: WG2013165-5,1633FMED S/N:964.5 Points Across peak:53



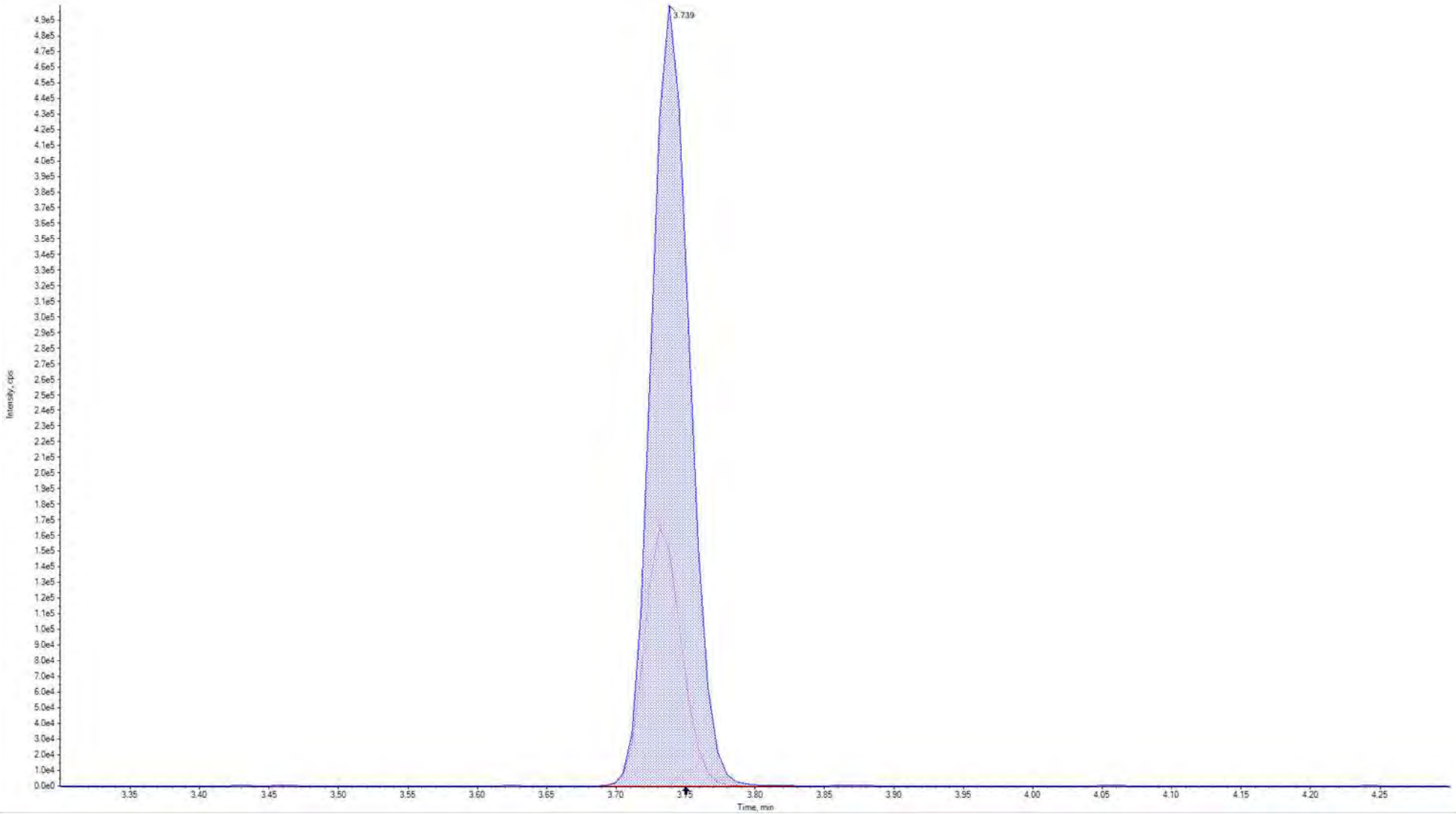
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFNA_2
Sample: WG2013165-5,1633FMED S/N:574.1 Points Across peak:75



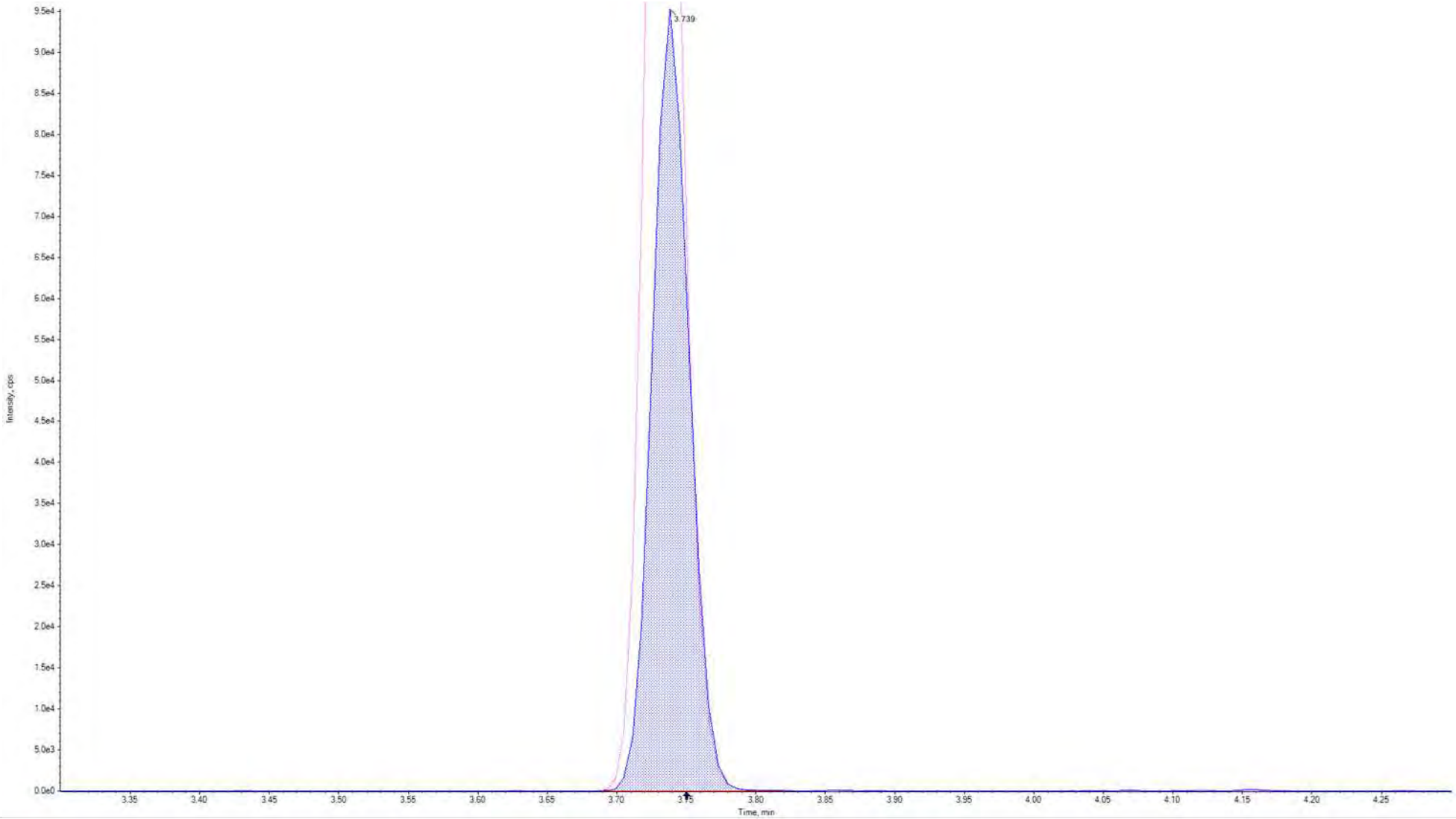
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFDA
Sample: WG2013165-5,1633FMED S/N:10013.6 Points Across peak:27



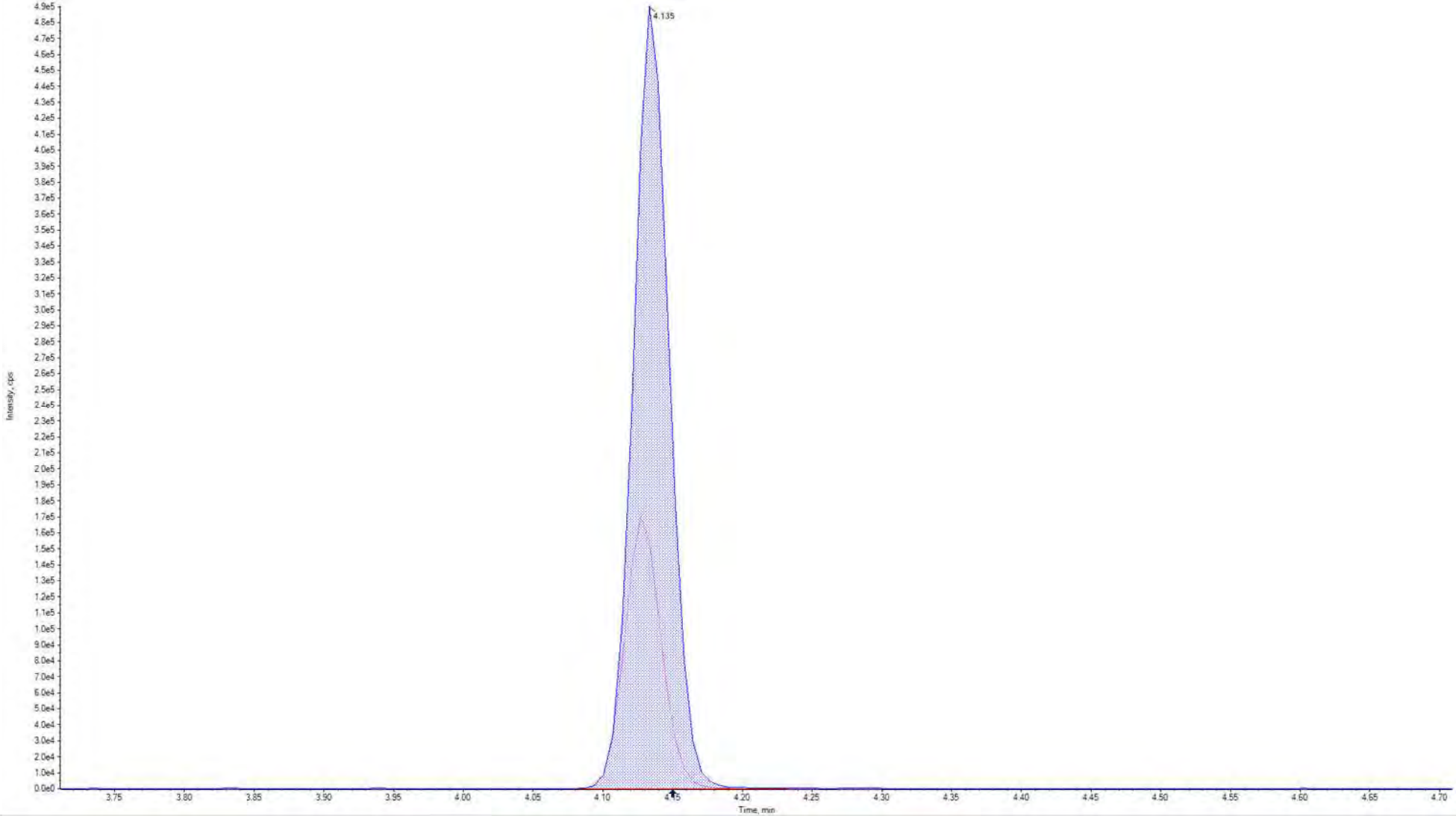
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFDA_2
Sample: WG2013165-5,1633FMED S/N:1910.0 Points Across peak:29



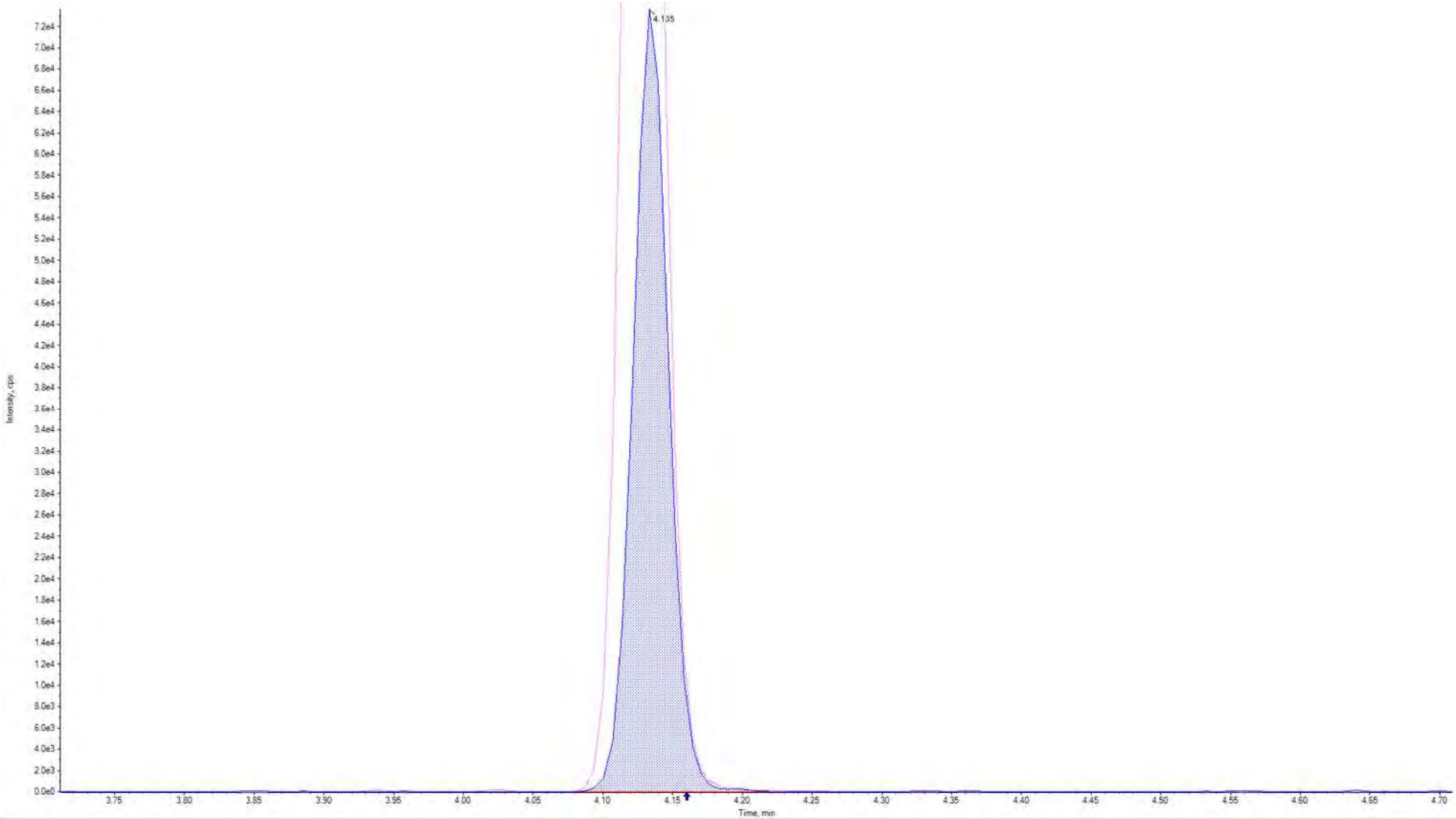
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFUnA
Sample: WG2013165-5,1633FMED S/N:11058.3 Points Across peak:30



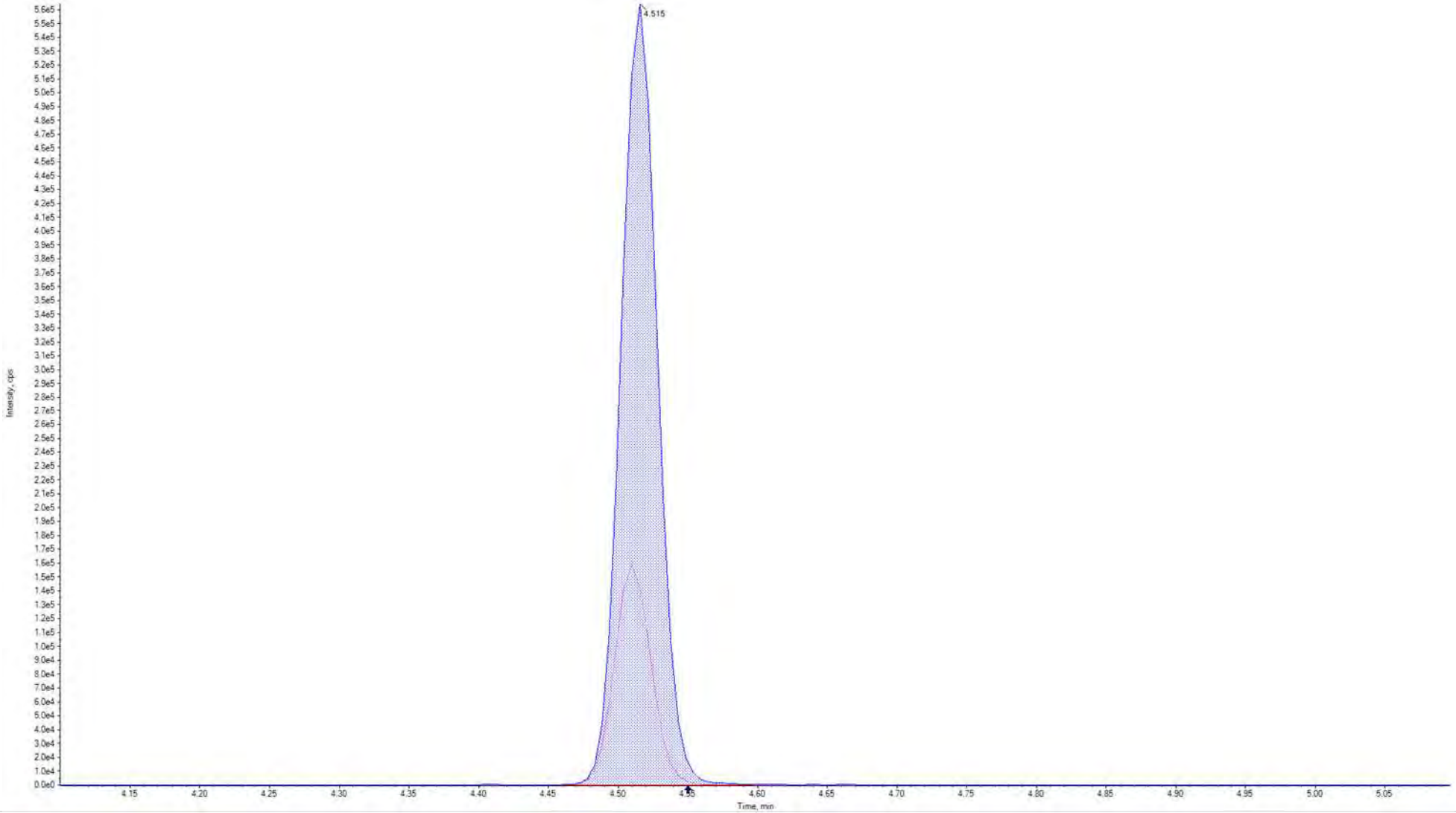
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFUnA_2
Sample: WG2013165-5,1633FMED S/N:1661.1 Points Across peak:36



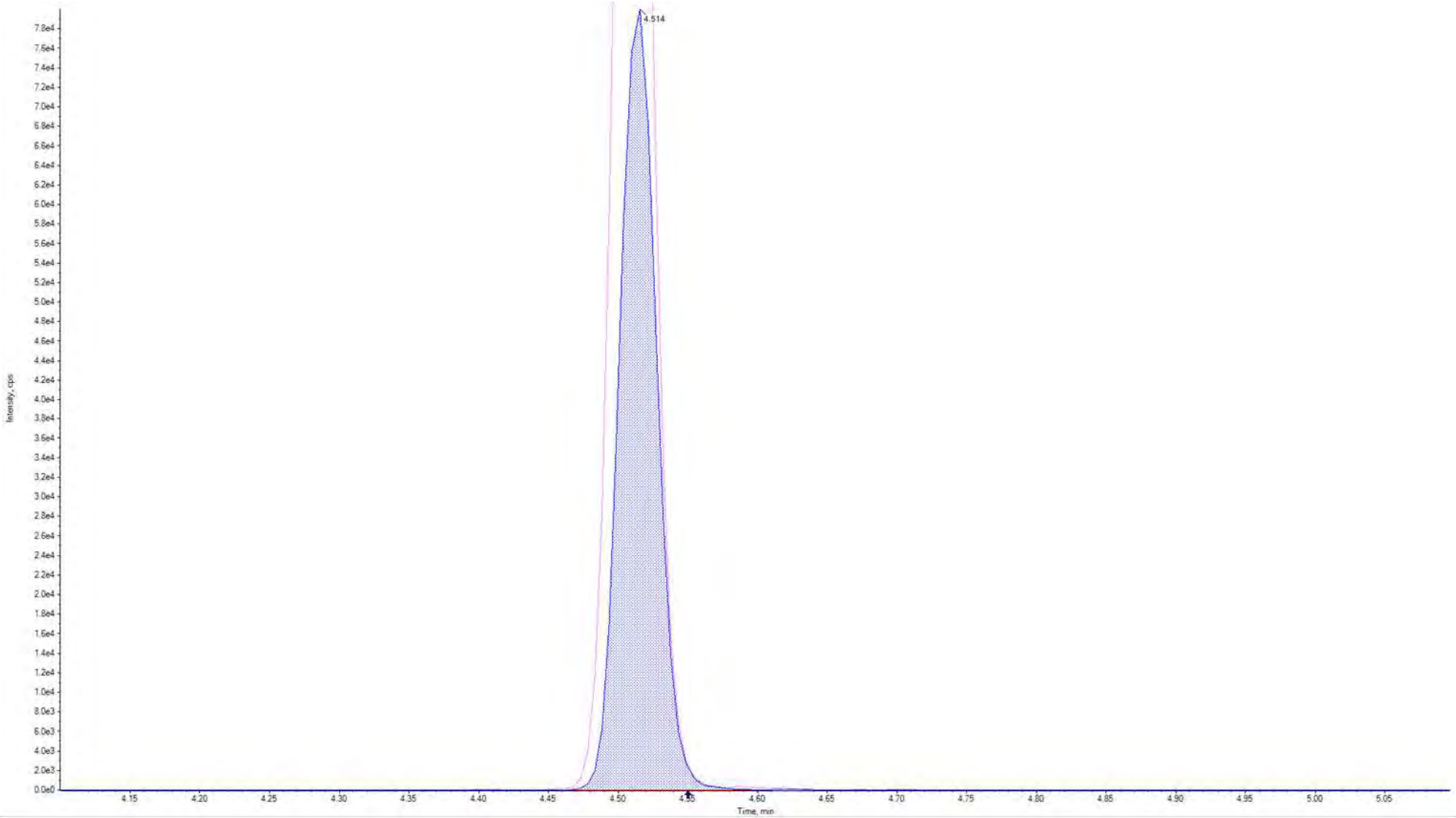
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFDoA
Sample: WG2013165-5,1633FMED S/N:15551.8 Points Across peak:30



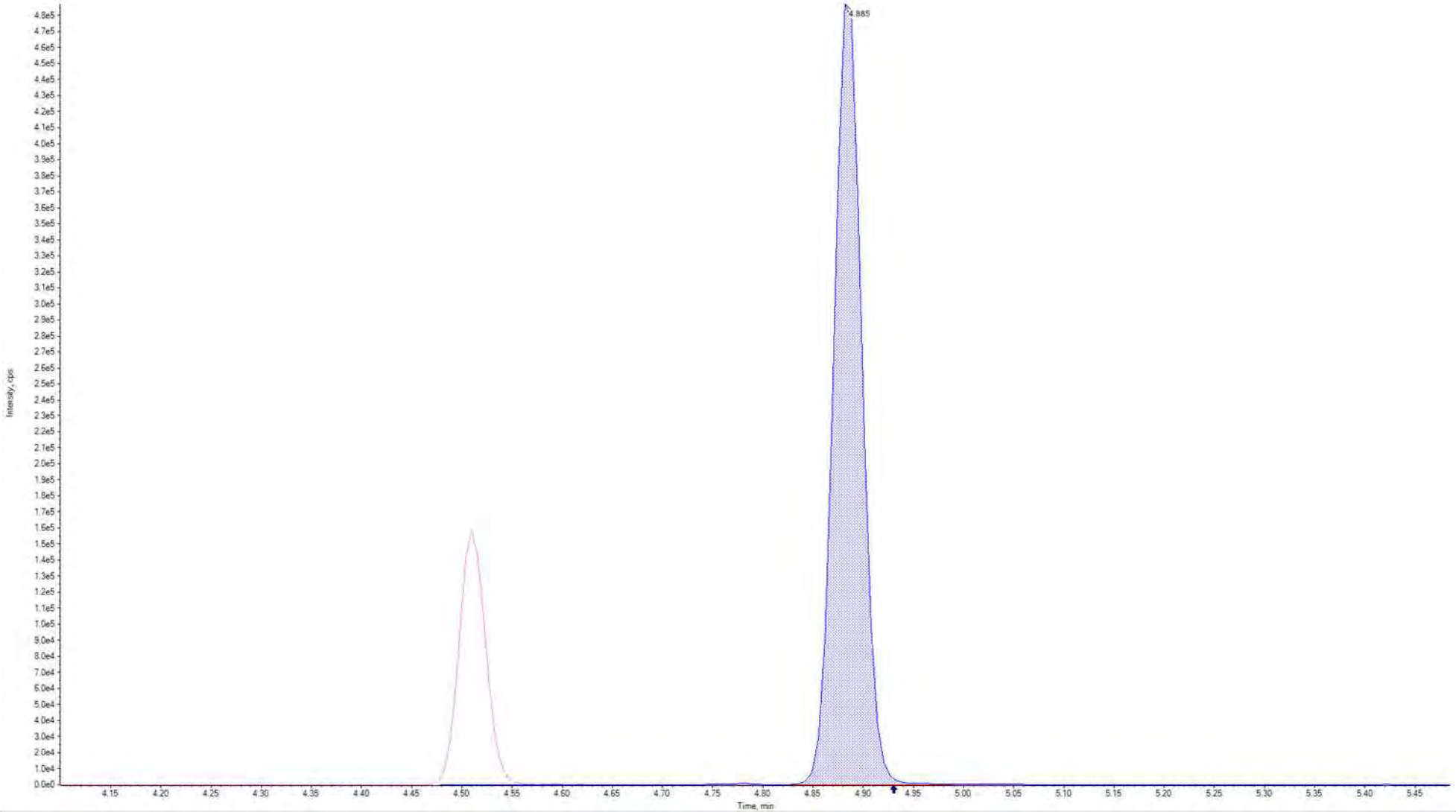
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFDoA_2
Sample: WG2013165-5,1633FMED S/N:2205.7 Points Across peak:33



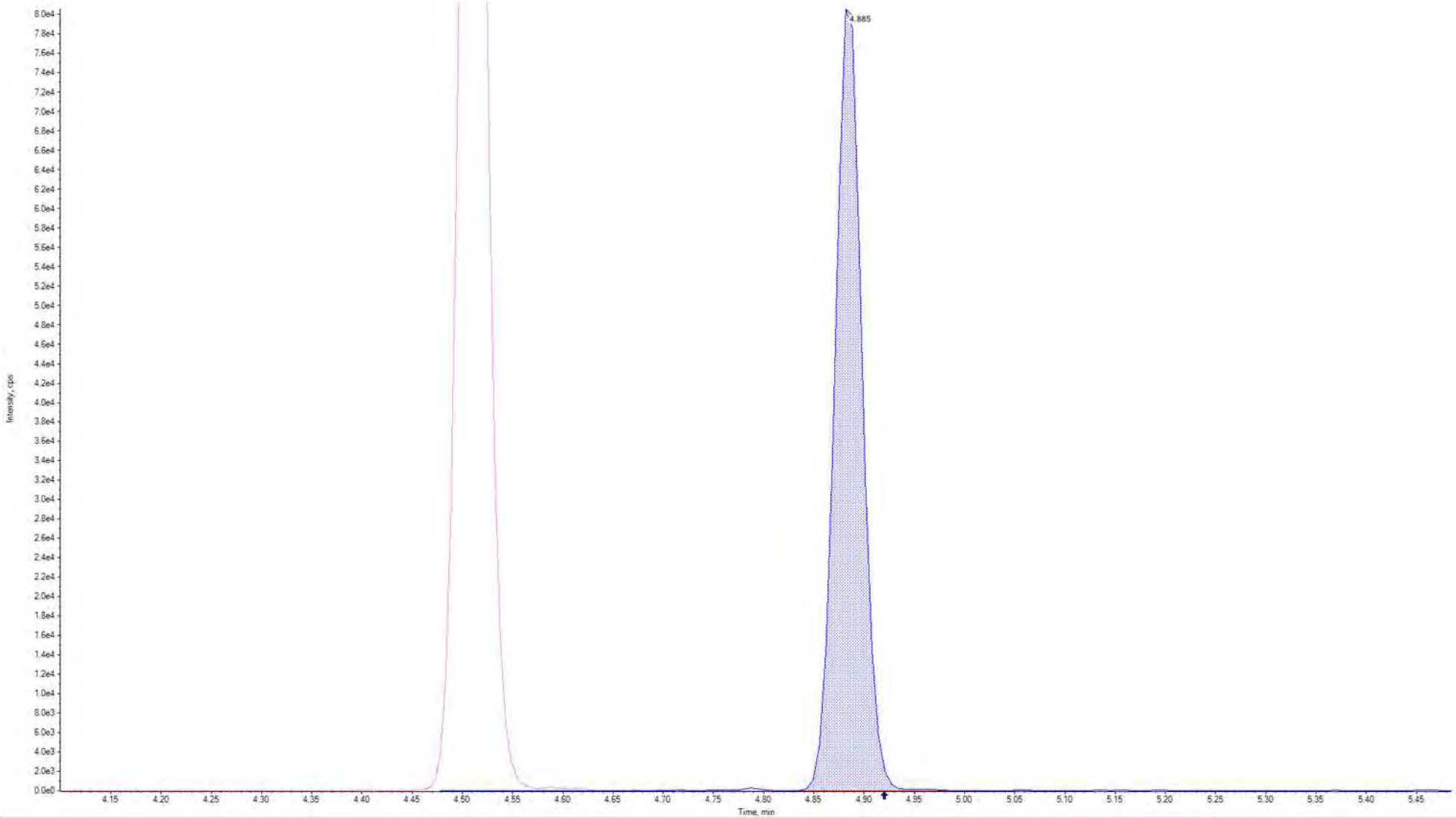
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFTrDA
Sample: WG2013165-5,1633FMED S/N:14091.9 Points Across peak:27



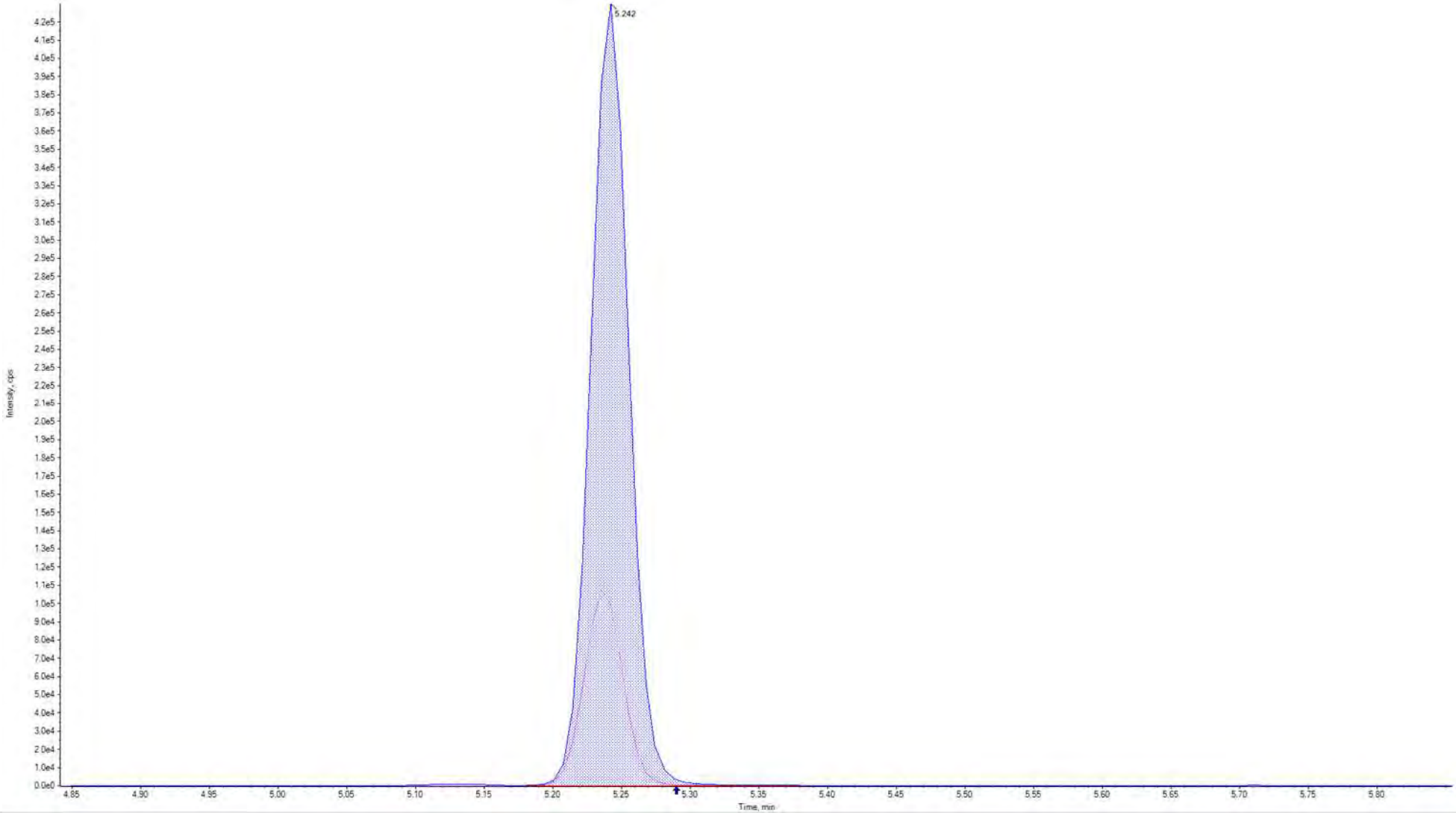
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFTrDA_2
Sample: WG2013165-5,1633FMED S/N:3230.4 Points Across peak:32



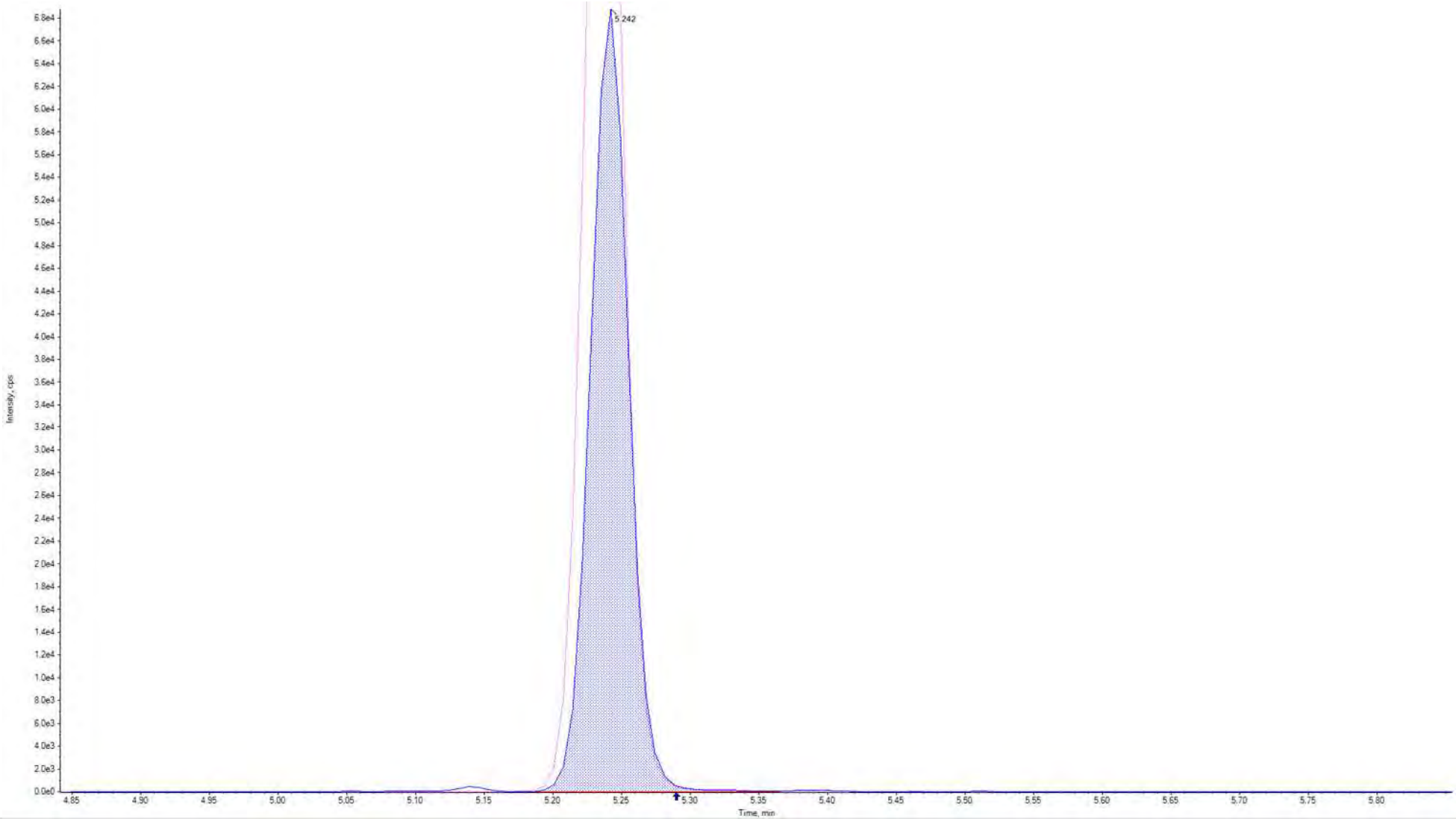
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFTeDA
Sample: WG2013165-5,1633FMED S/N:4257.1 Points Across peak:33



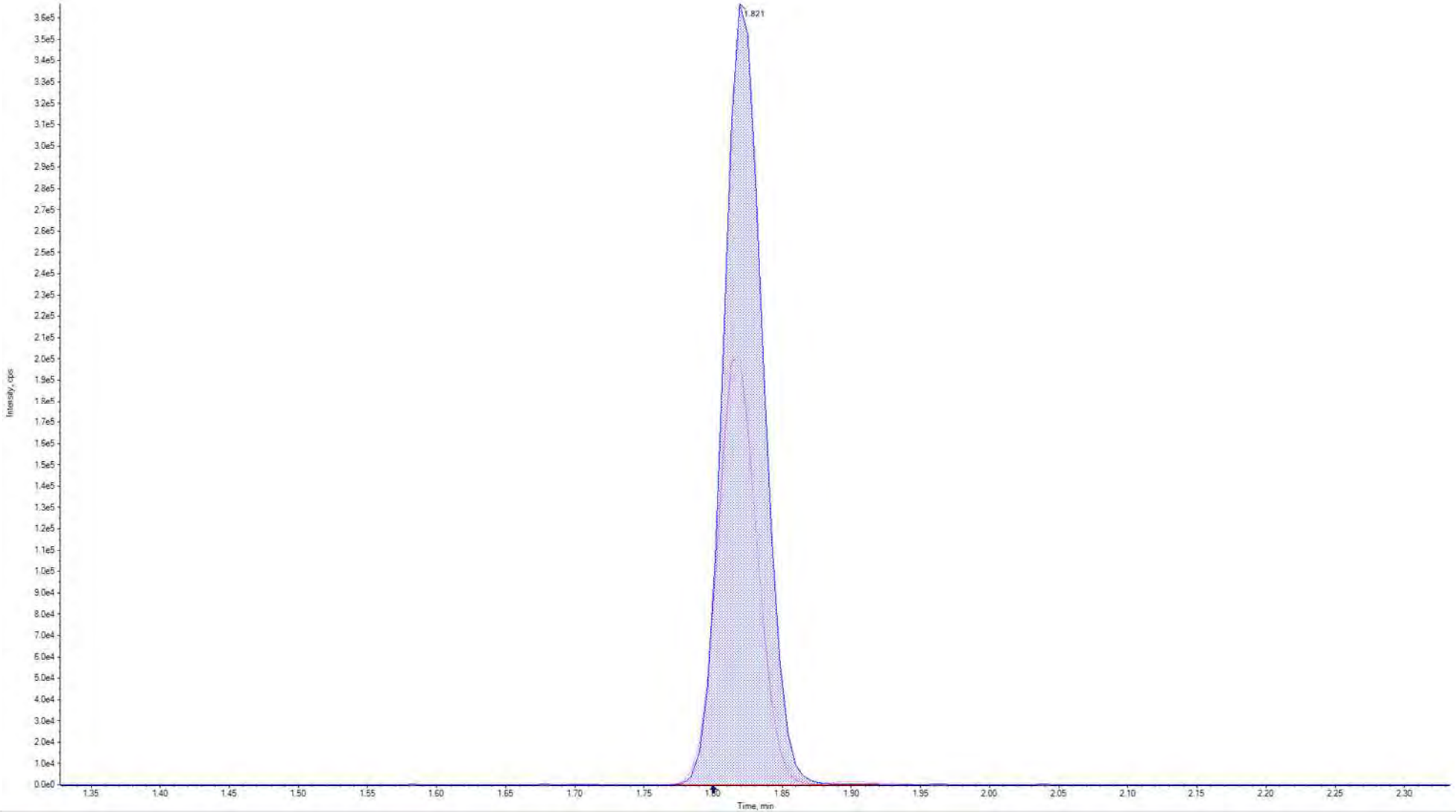
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFTeDA_2
Sample: WG2013165-5,1633FMED S/N:4309.7 Points Across peak:27



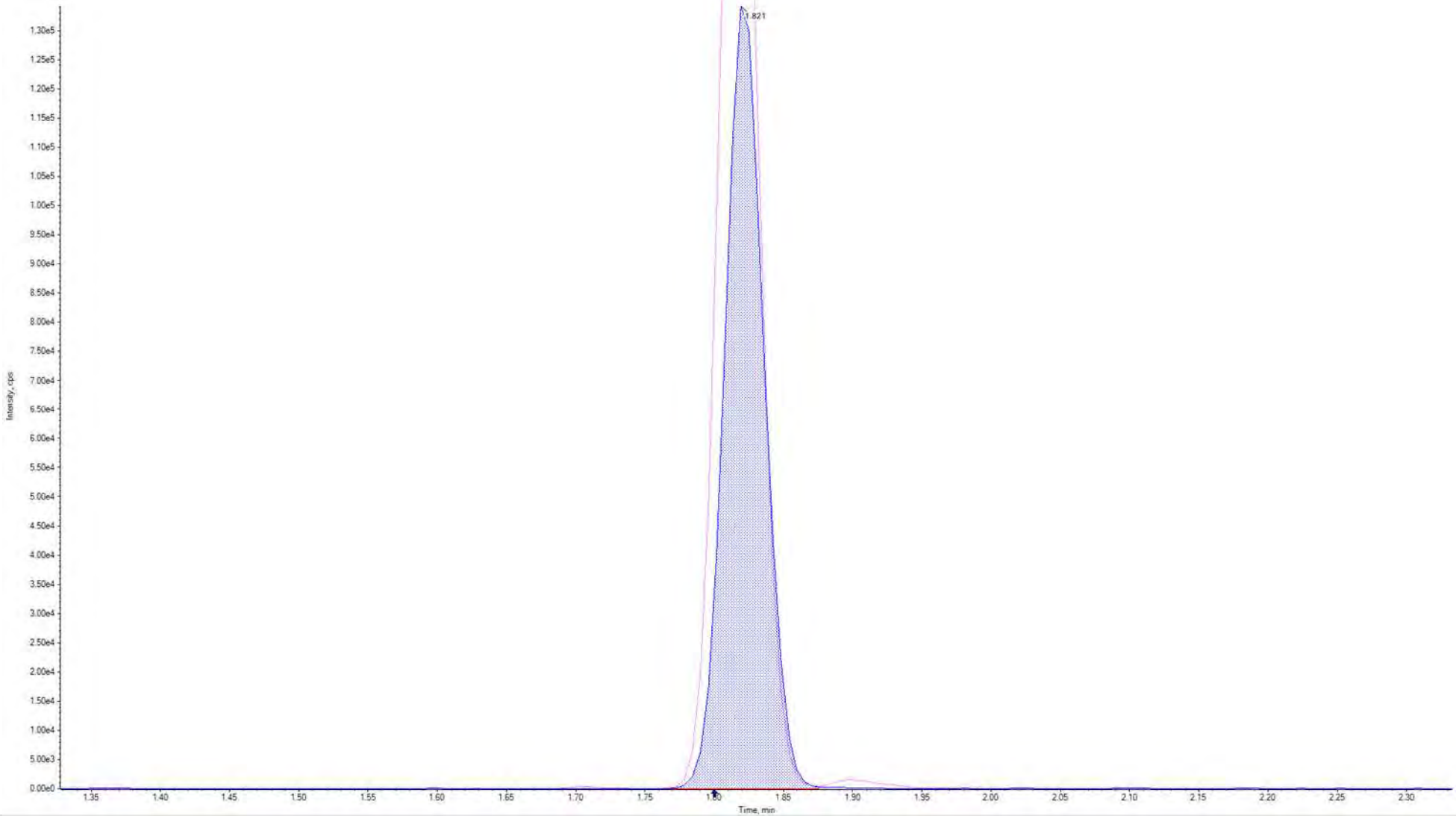
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFBS
Sample: WG2013165-5,1633FMED S/N:9189.3 Points Across peak:34



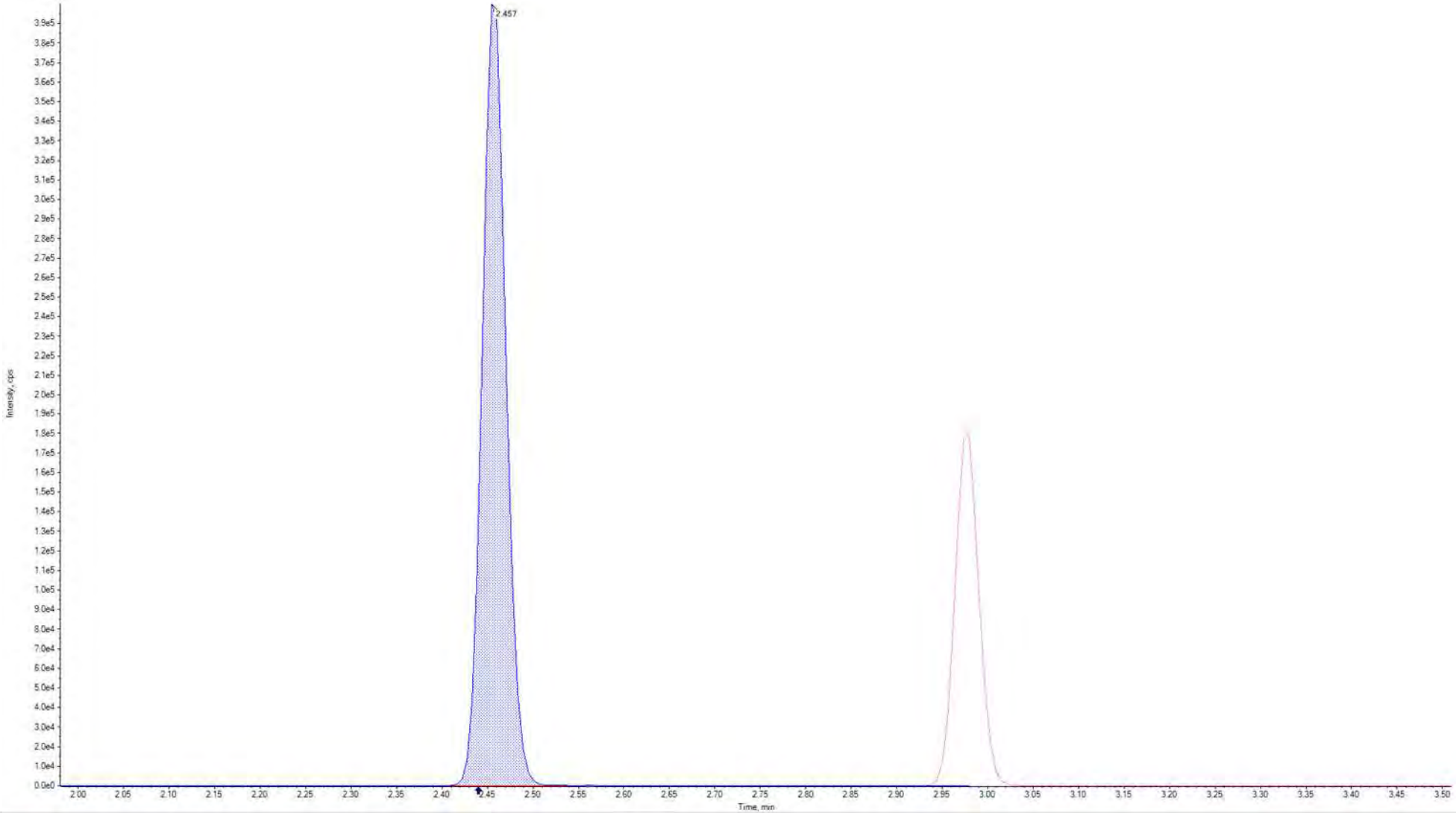
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFBS_2
Sample: WG2013165-5,1633FMED S/N:3363.1 Points Across peak:23



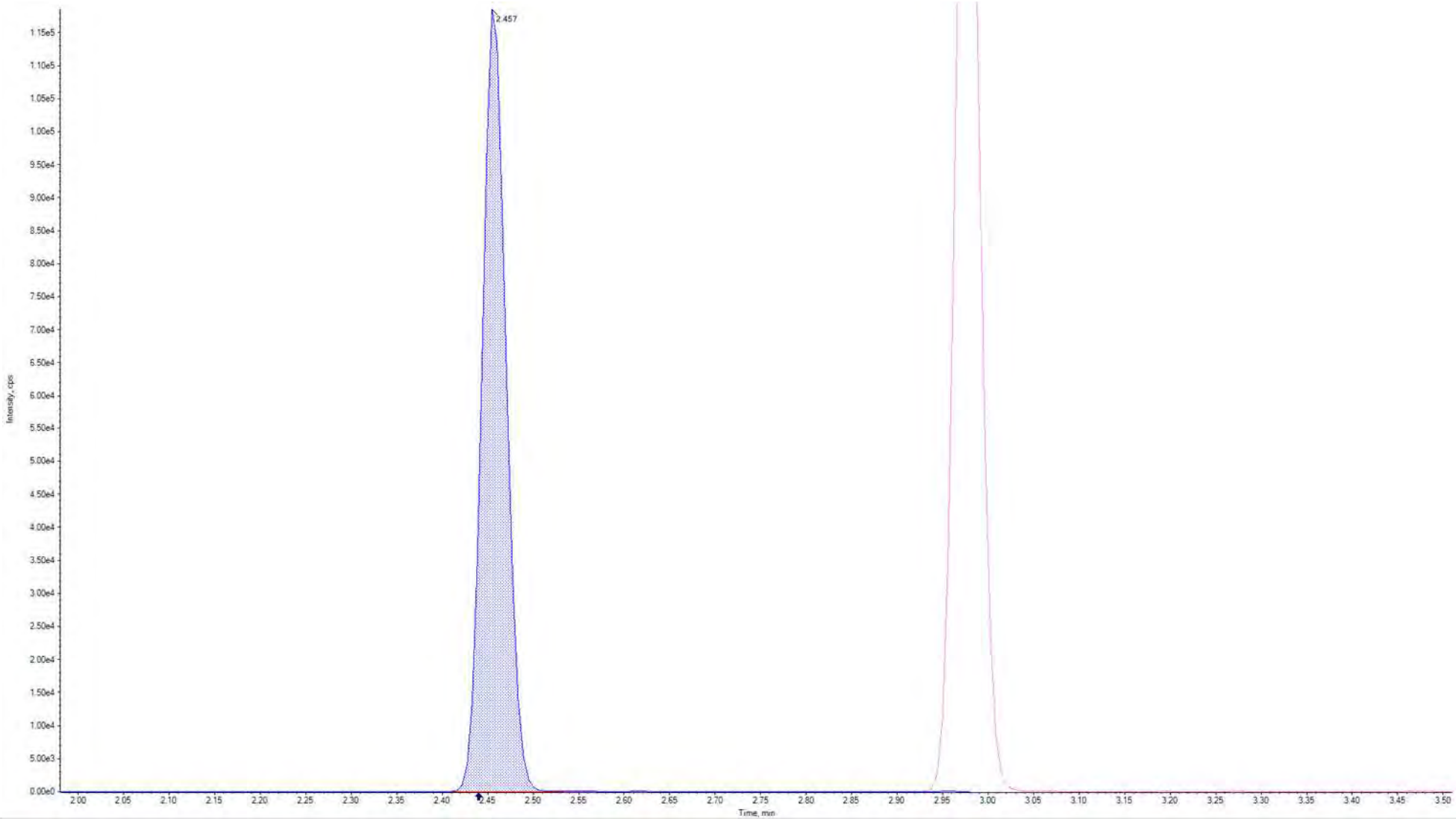
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFPeS
Sample: WG2013165-5,1633FMED S/N:8020.7 Points Across peak:29



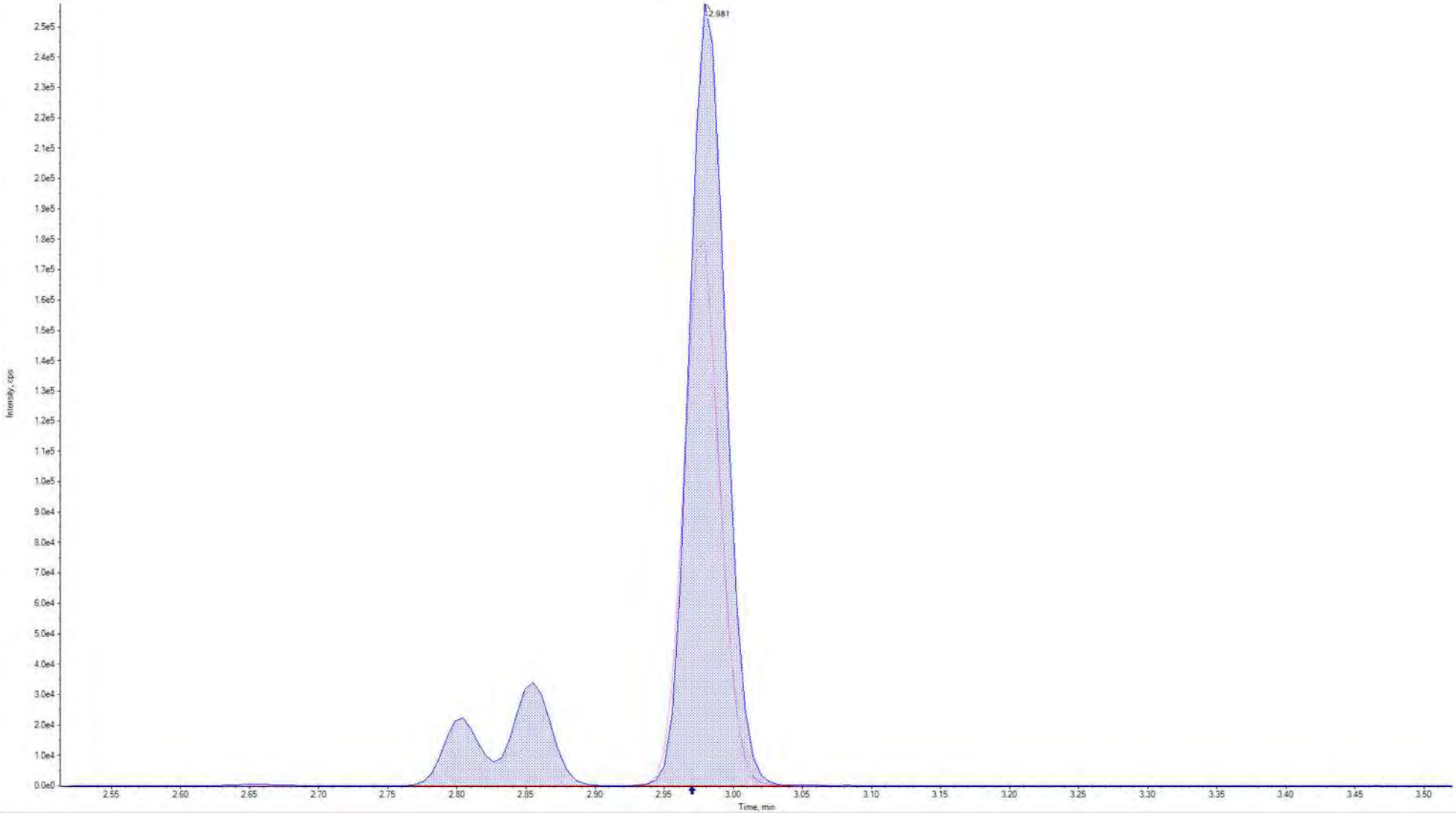
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFPeS_2
Sample: WG2013165-5,1633FMED S/N:2377.5 Points Across peak:25



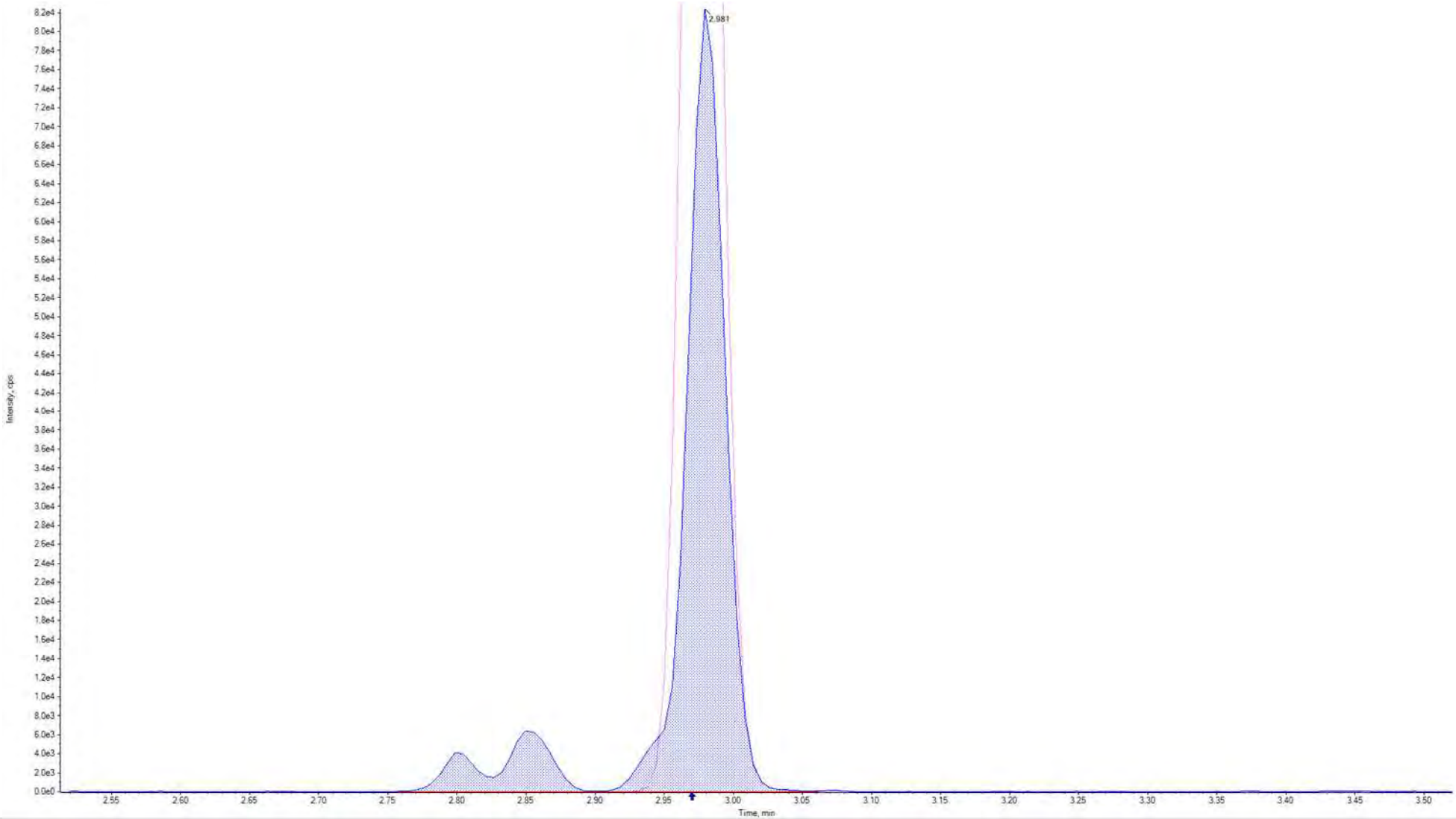
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFHxS
Sample: WG2013165-5,1633FMED S/N:1166.5 Points Across peak:49



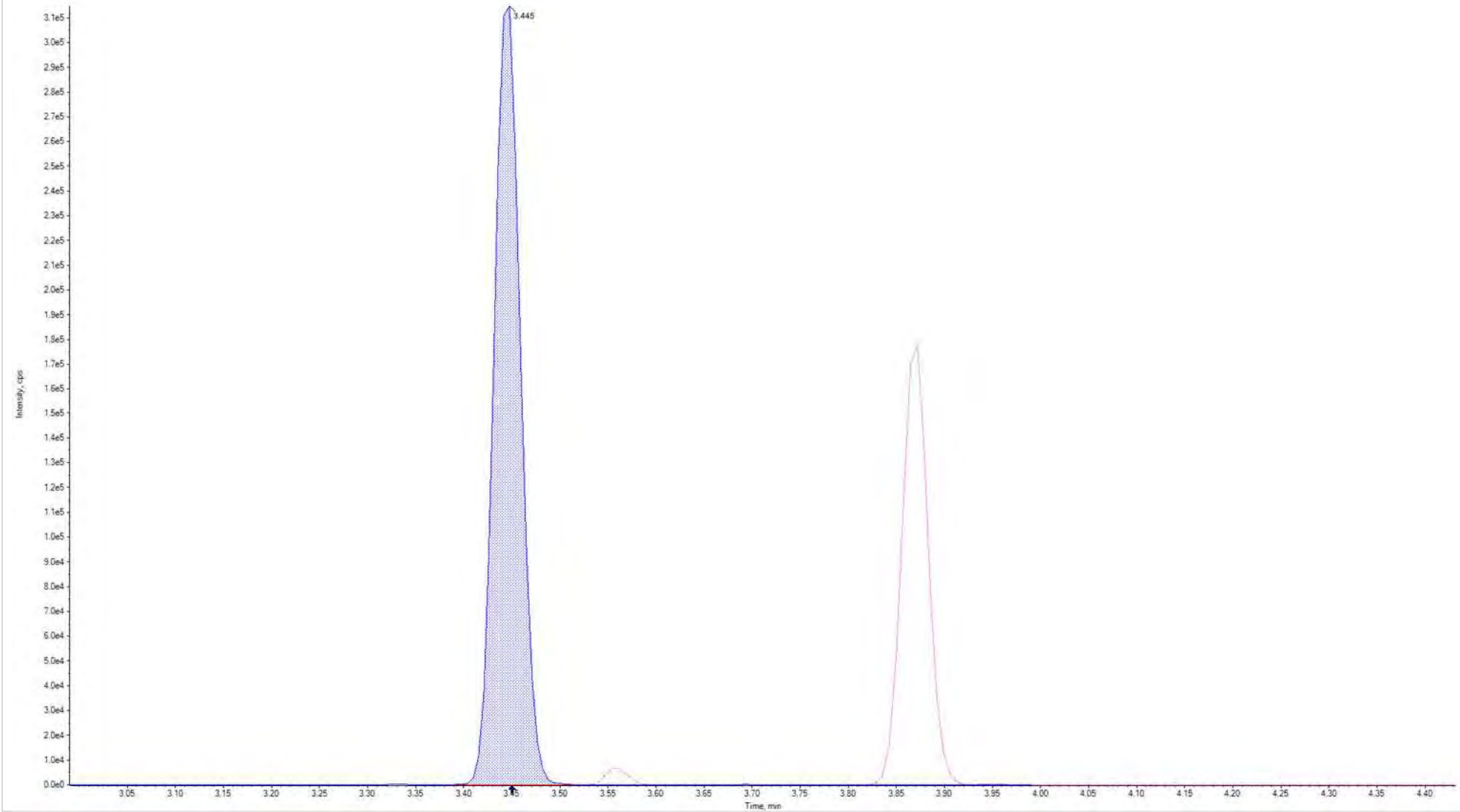
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFHxS_2
Sample: WG2013165-5,1633FMED S/N:1147.2 Points Across peak:55



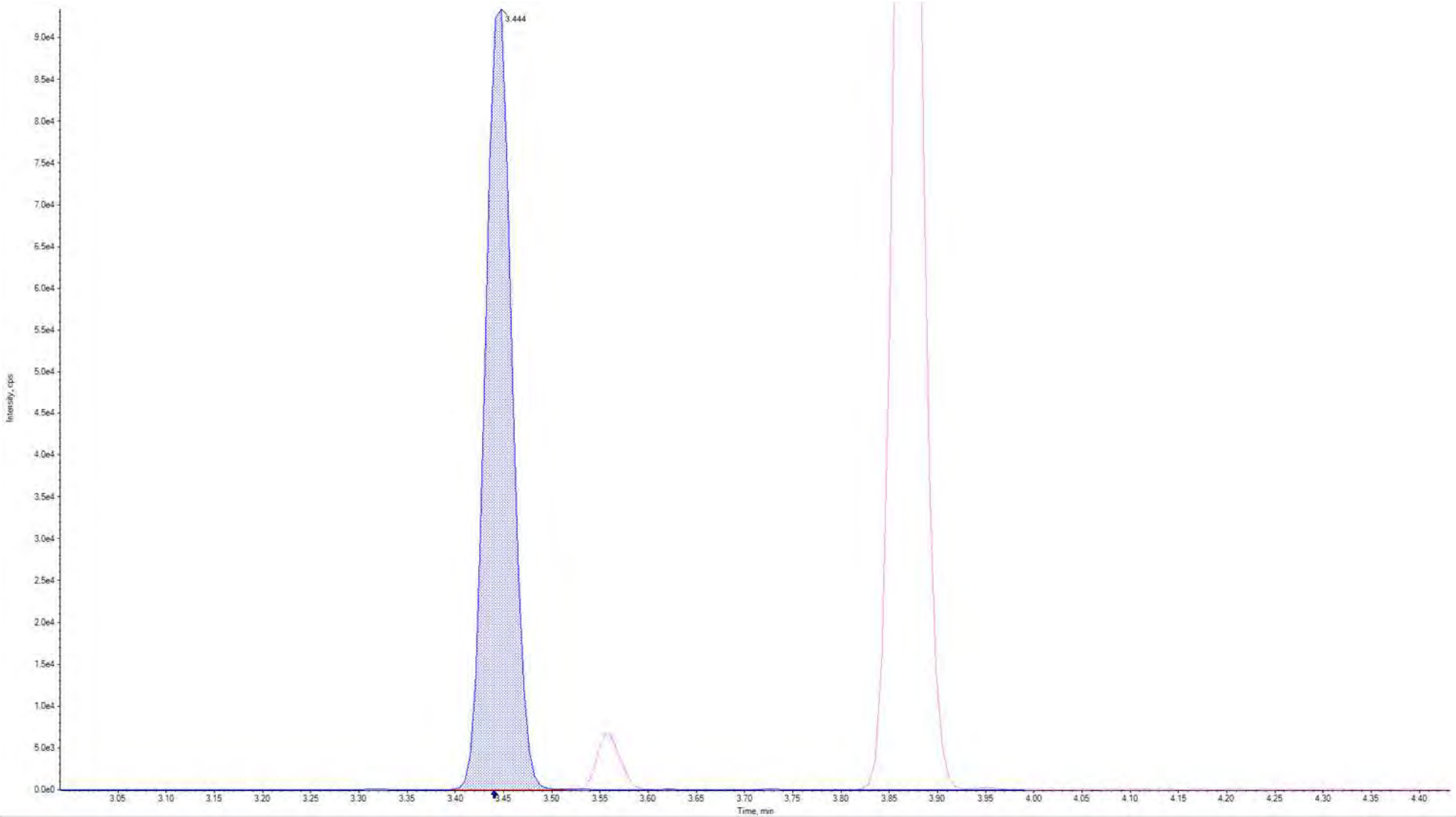
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFHpS
Sample: WG2013165-5,1633FMED S/N:5723.8 Points Across peak:31



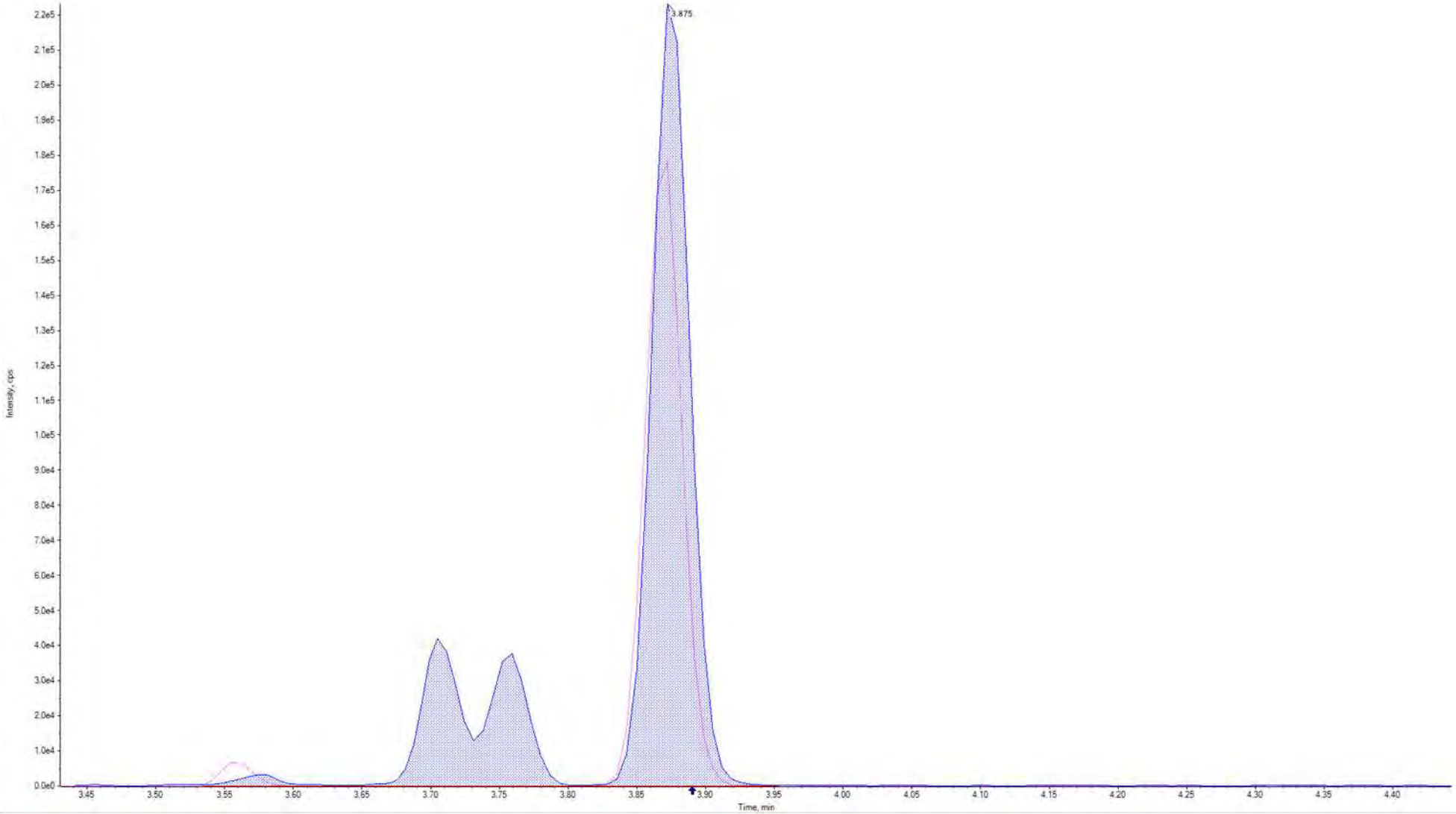
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFHpS_2
Sample: WG2013165-5,1633FMED S/N:1872.9 Points Across peak:28



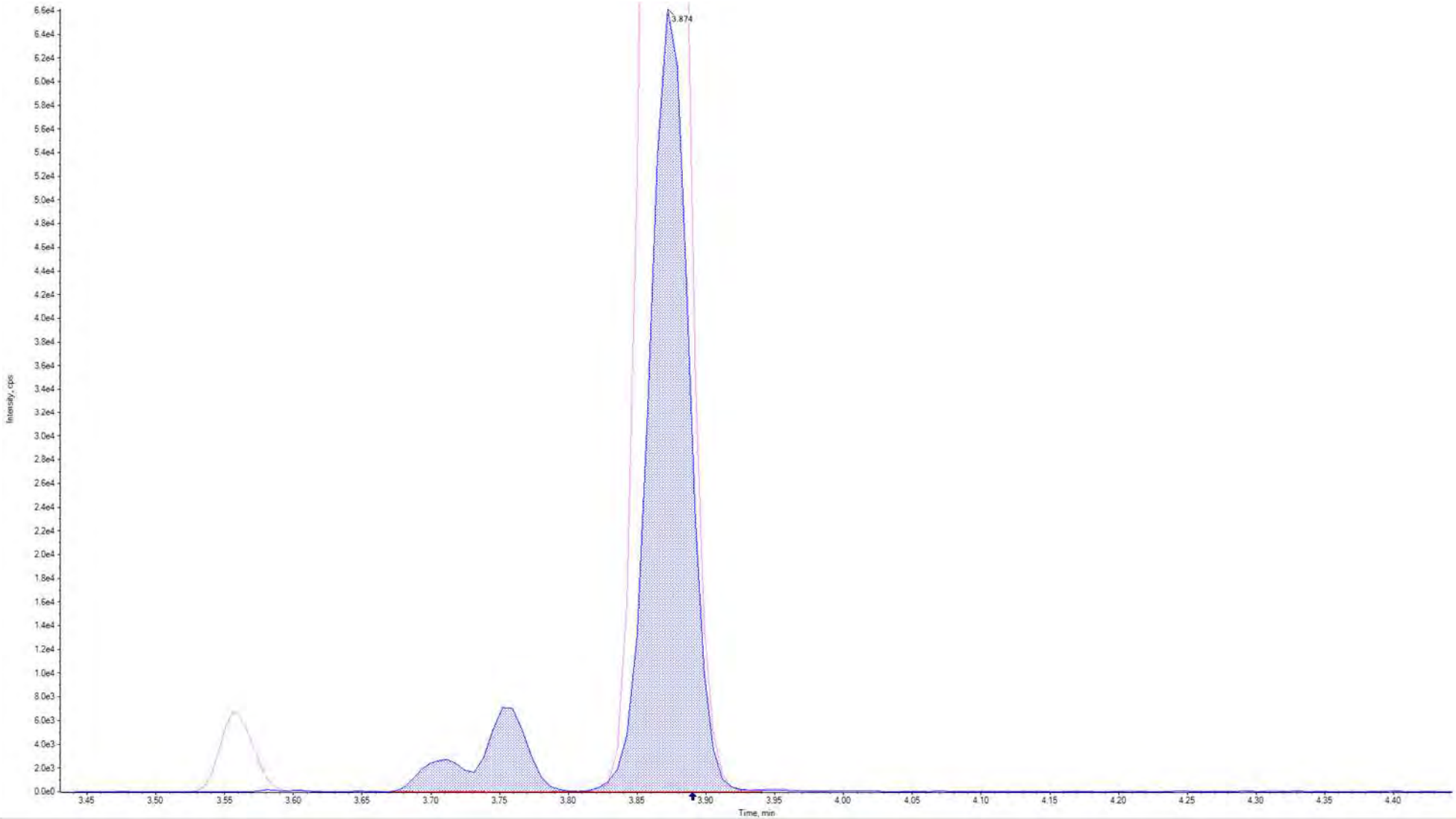
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFOS
Sample: WG2013165-5,1633FMED S/N:489.3 Points Across peak:71



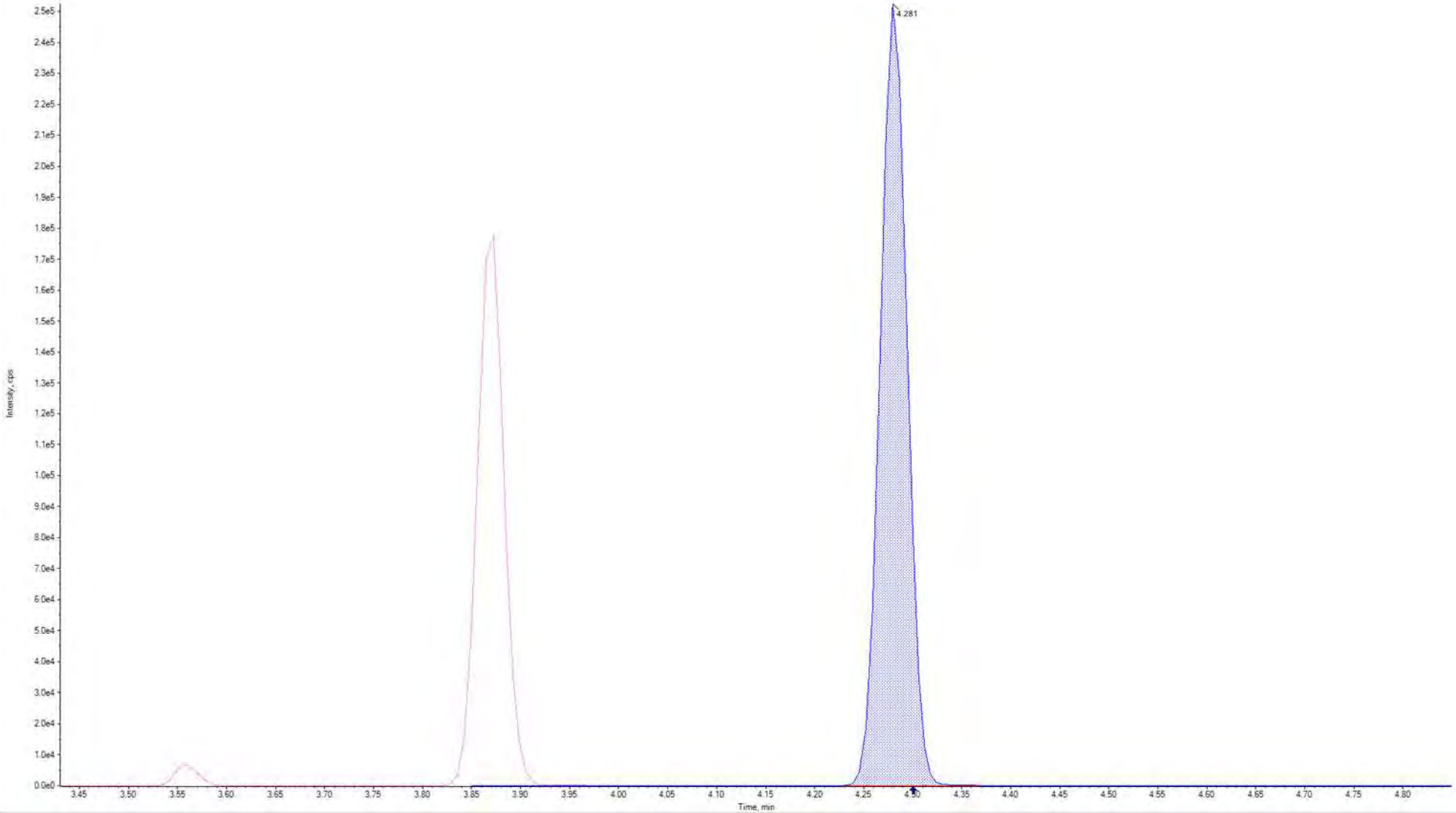
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFOS_2
Sample: WG2013165-5,1633FMED S/N:873.6 Points Across peak:43



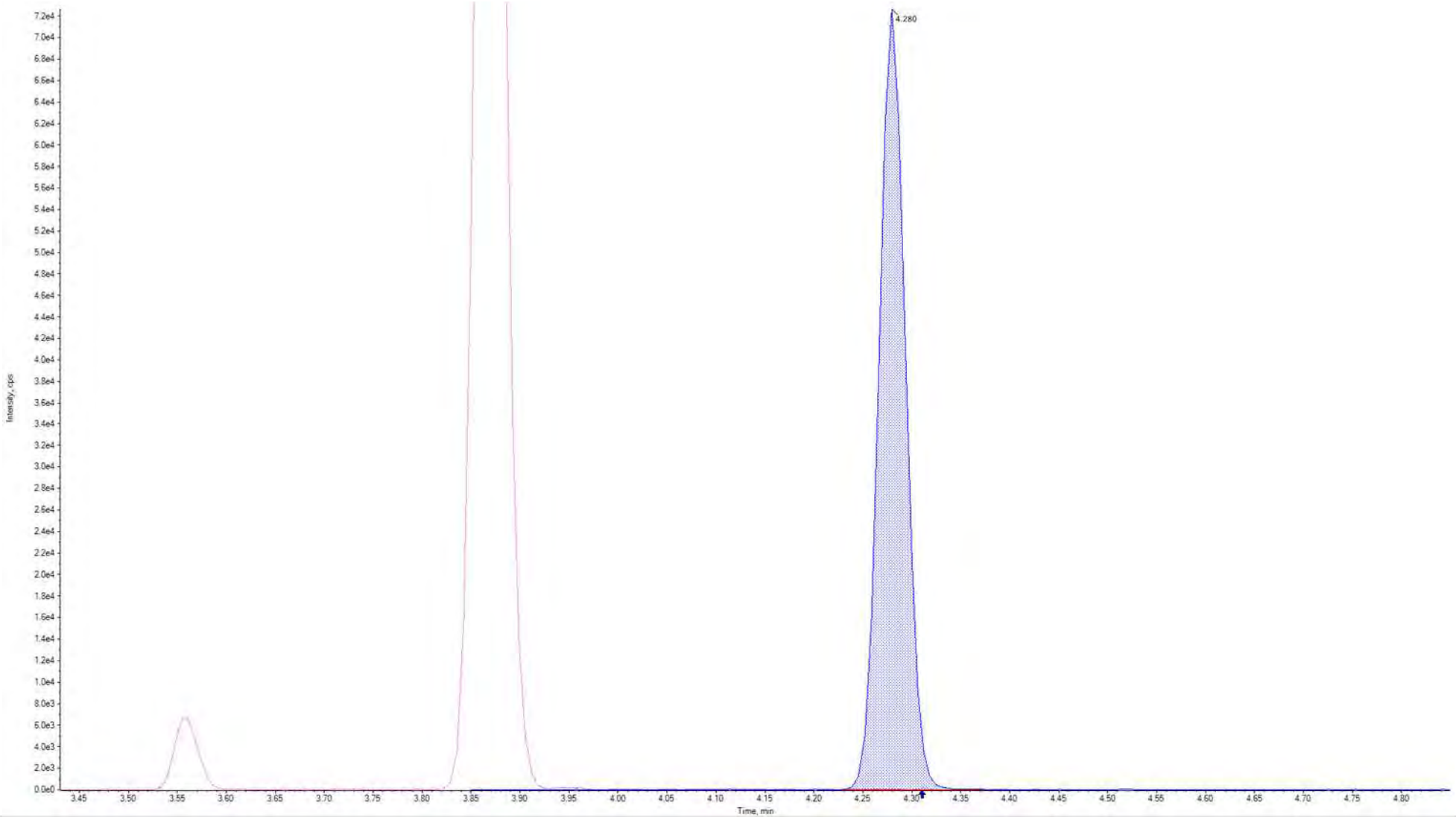
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFNS
Sample: WG2013165-5,1633FMED S/N:4827.6 Points Across peak:32



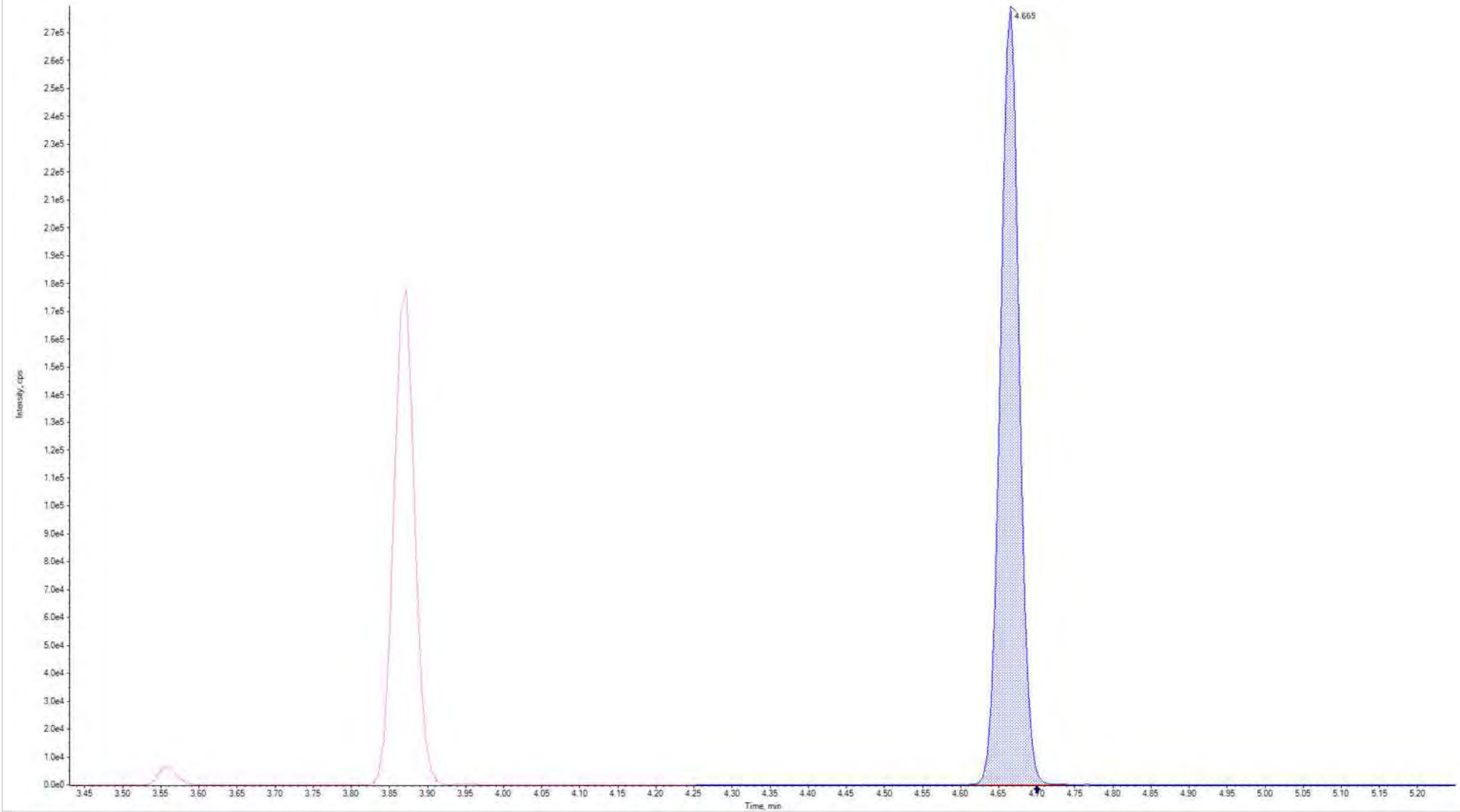
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFNS_2
Sample: WG2013165-5,1633FMED S/N:1820.8 Points Across peak:32



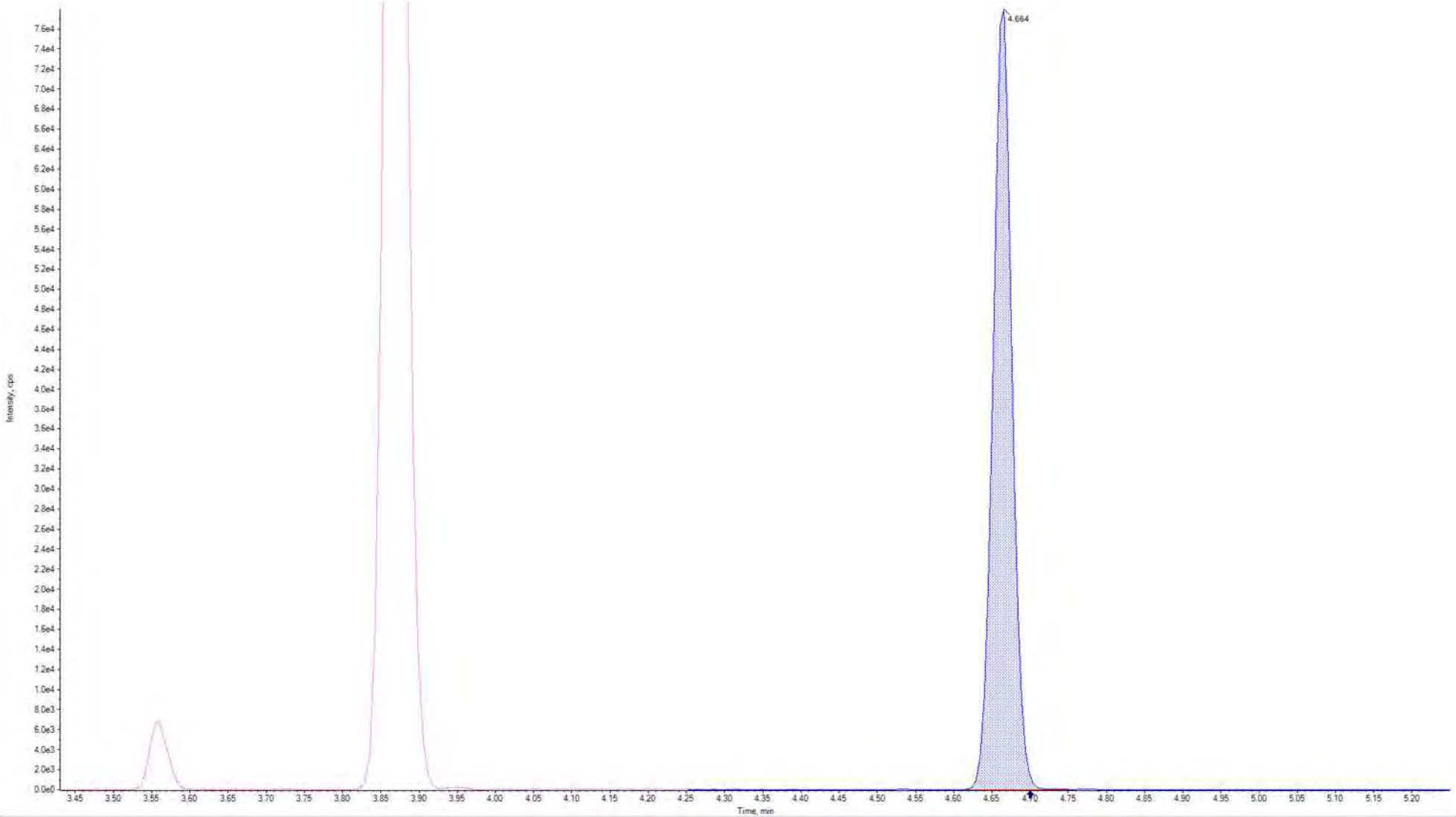
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFDS
Sample: WG2013165-5,1633FMED S/N:5501.0 Points Across peak:35



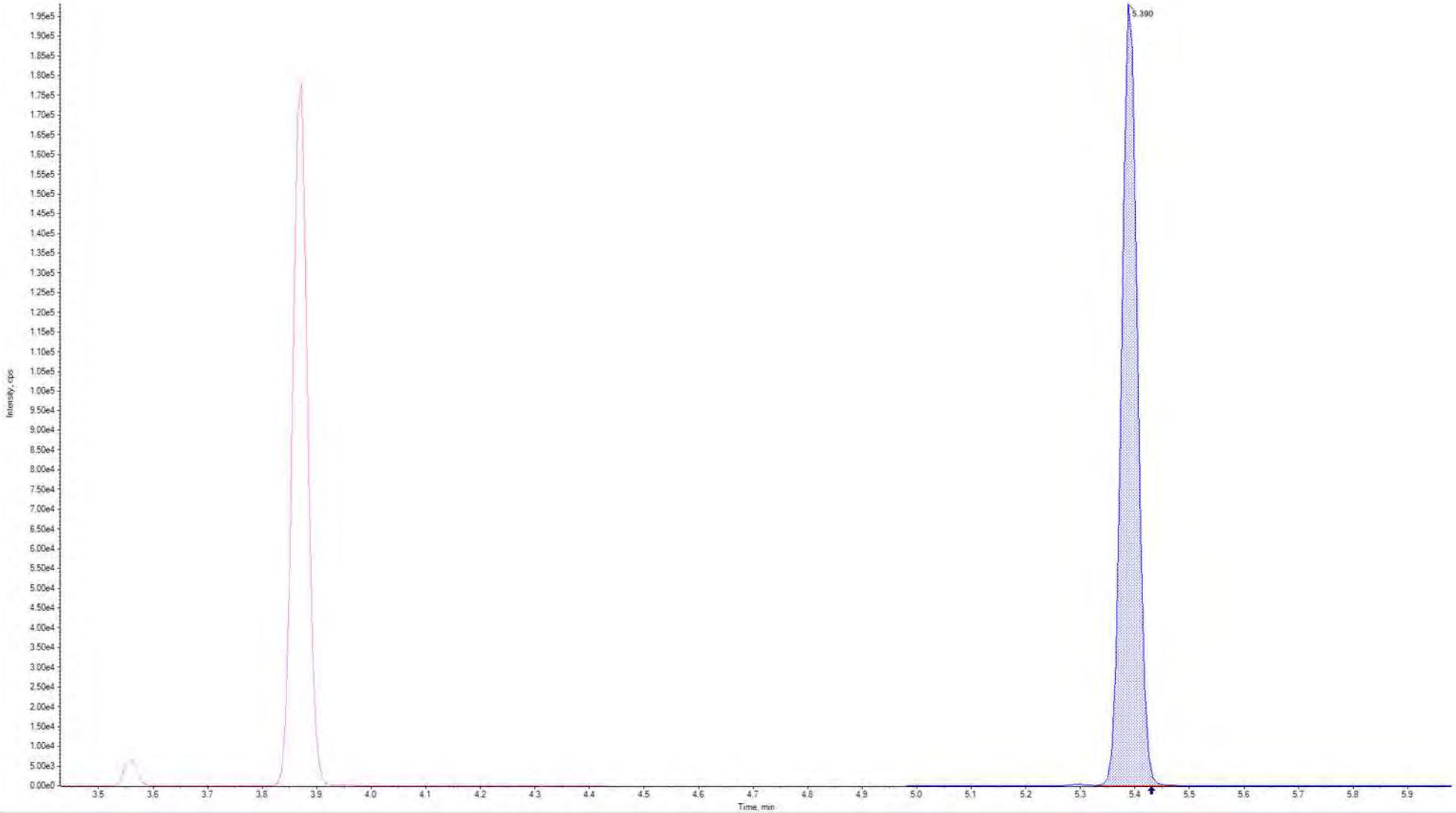
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFDS_2
Sample: WG2013165-5,1633FMED S/N:2736.5 Points Across peak:31



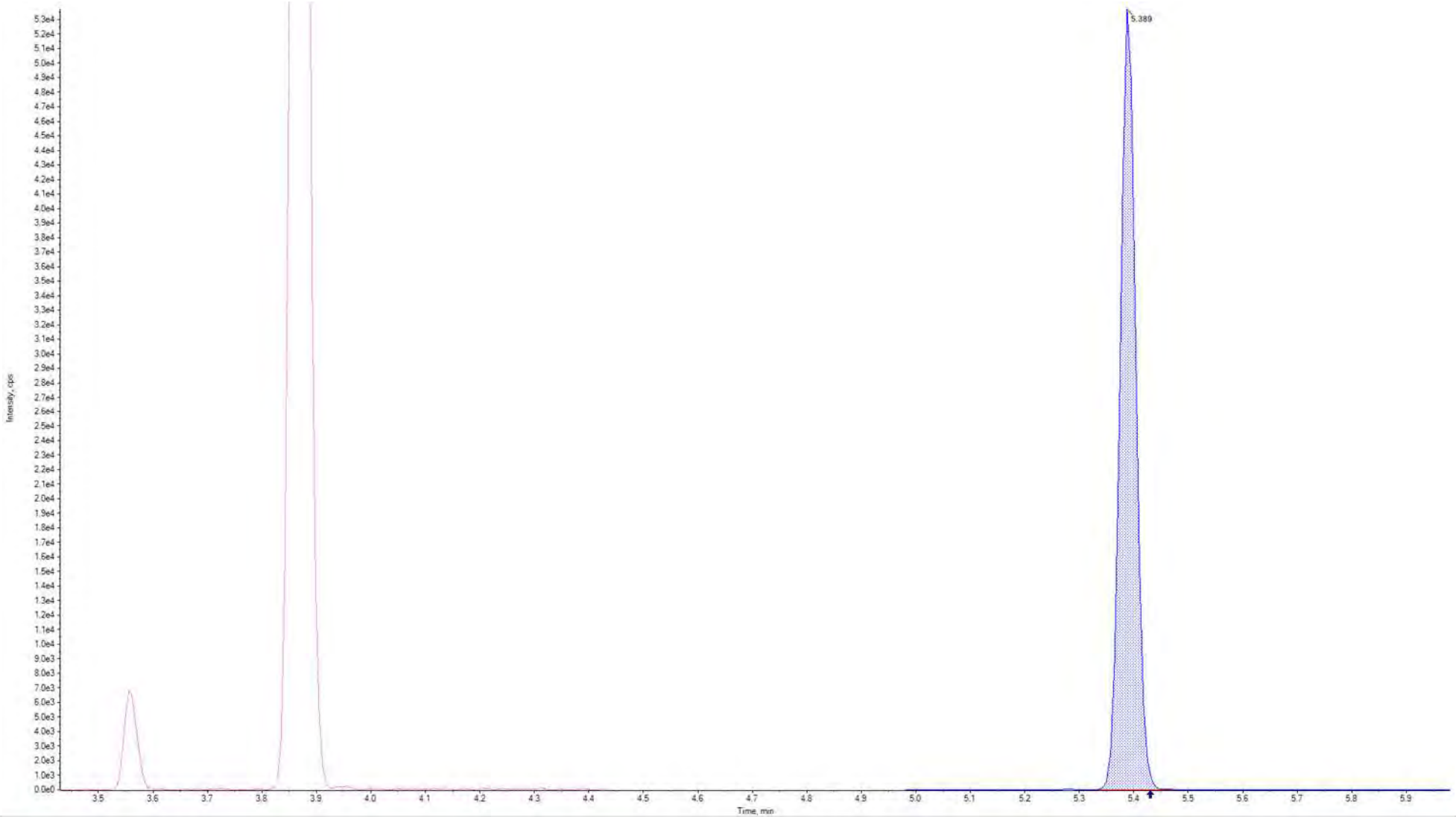
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFDoS
Sample: WG2013165-5,1633FMED S/N:10189.3 Points Across peak:21



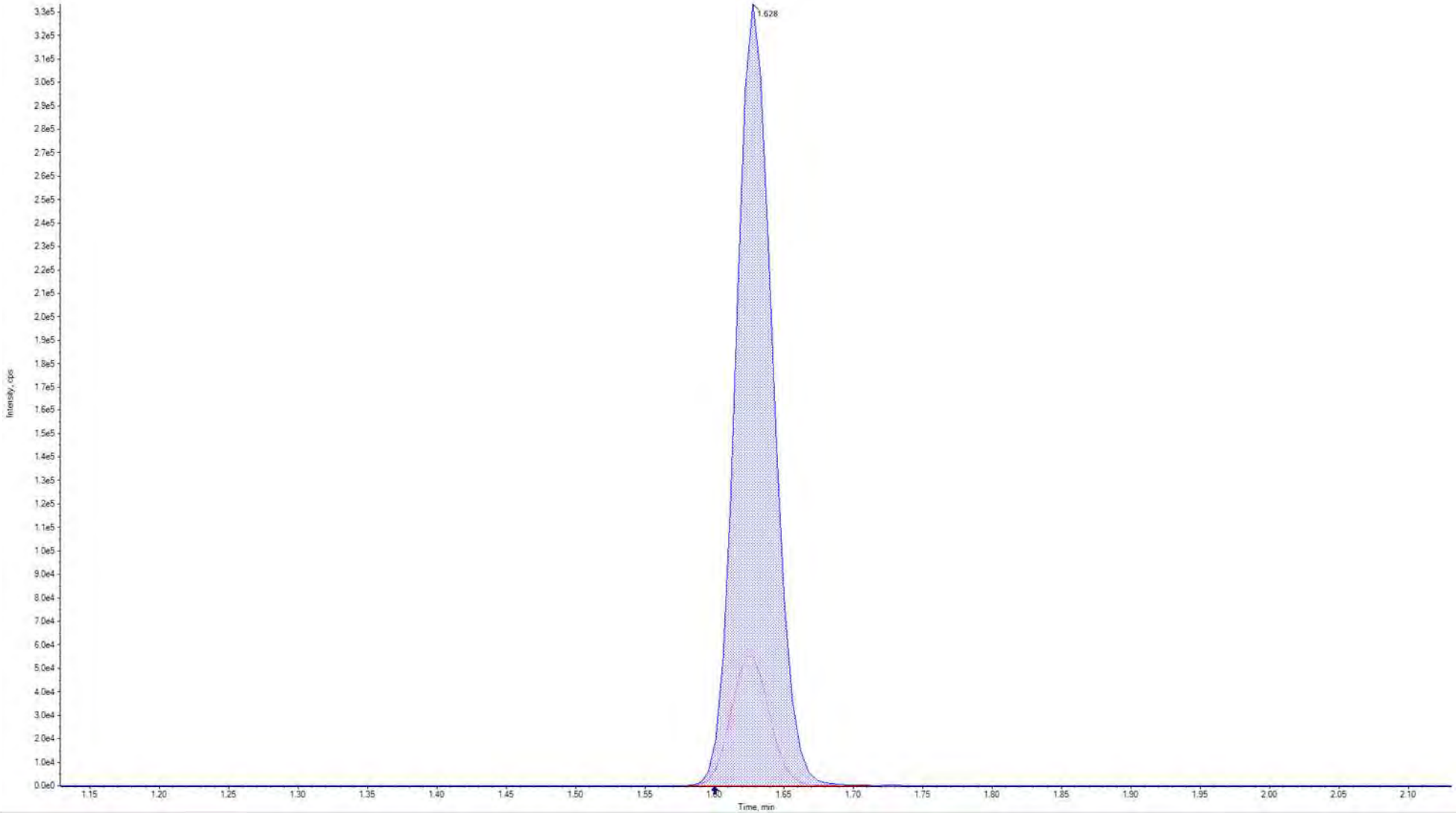
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFDoS_2
Sample: WG2013165-5,1633FMED S/N:2928.6 Points Across peak:24



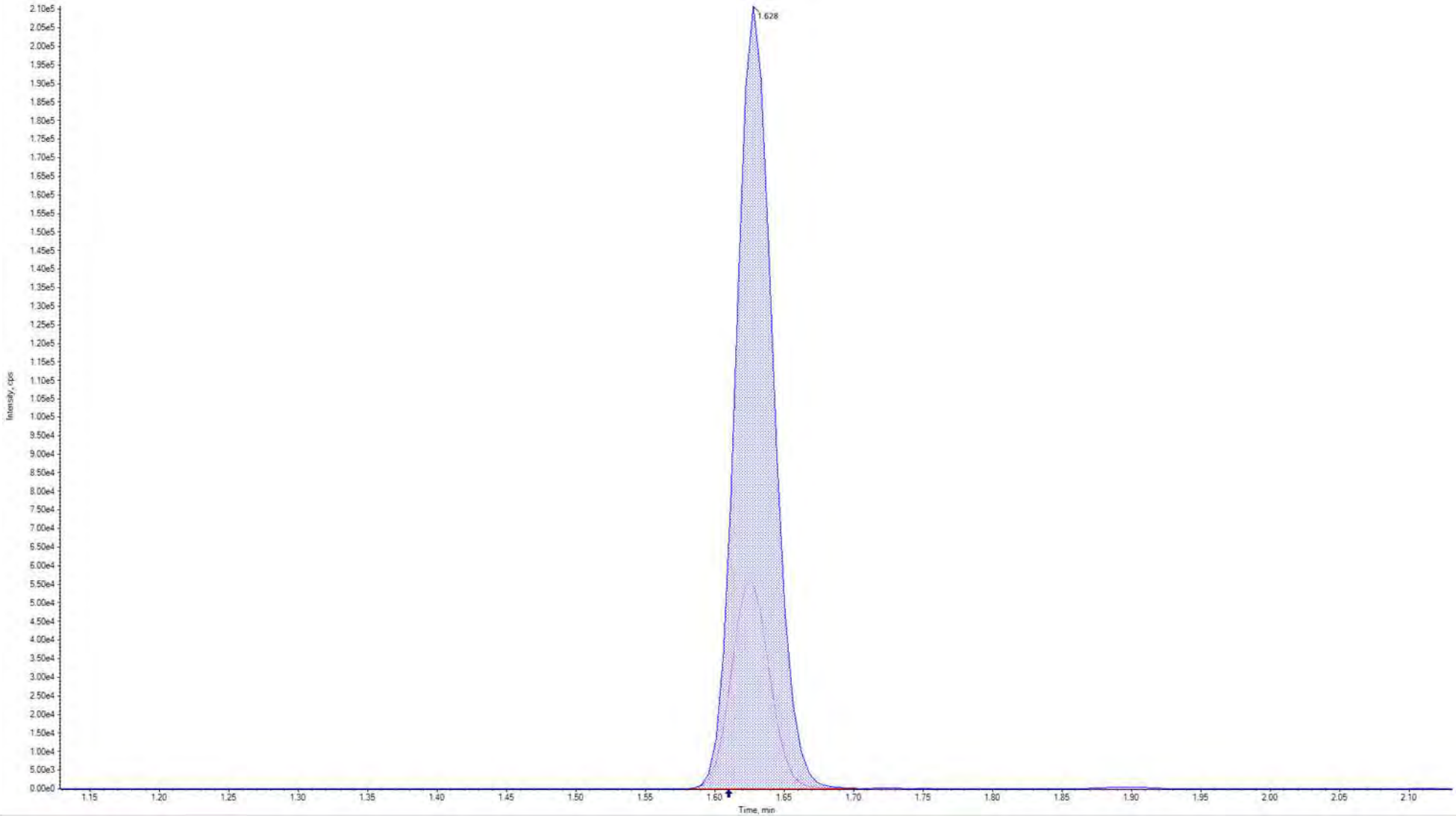
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

4:2FTS
Sample: WG2013165-5,1633FMED S/N:6640.3 Points Across peak:32



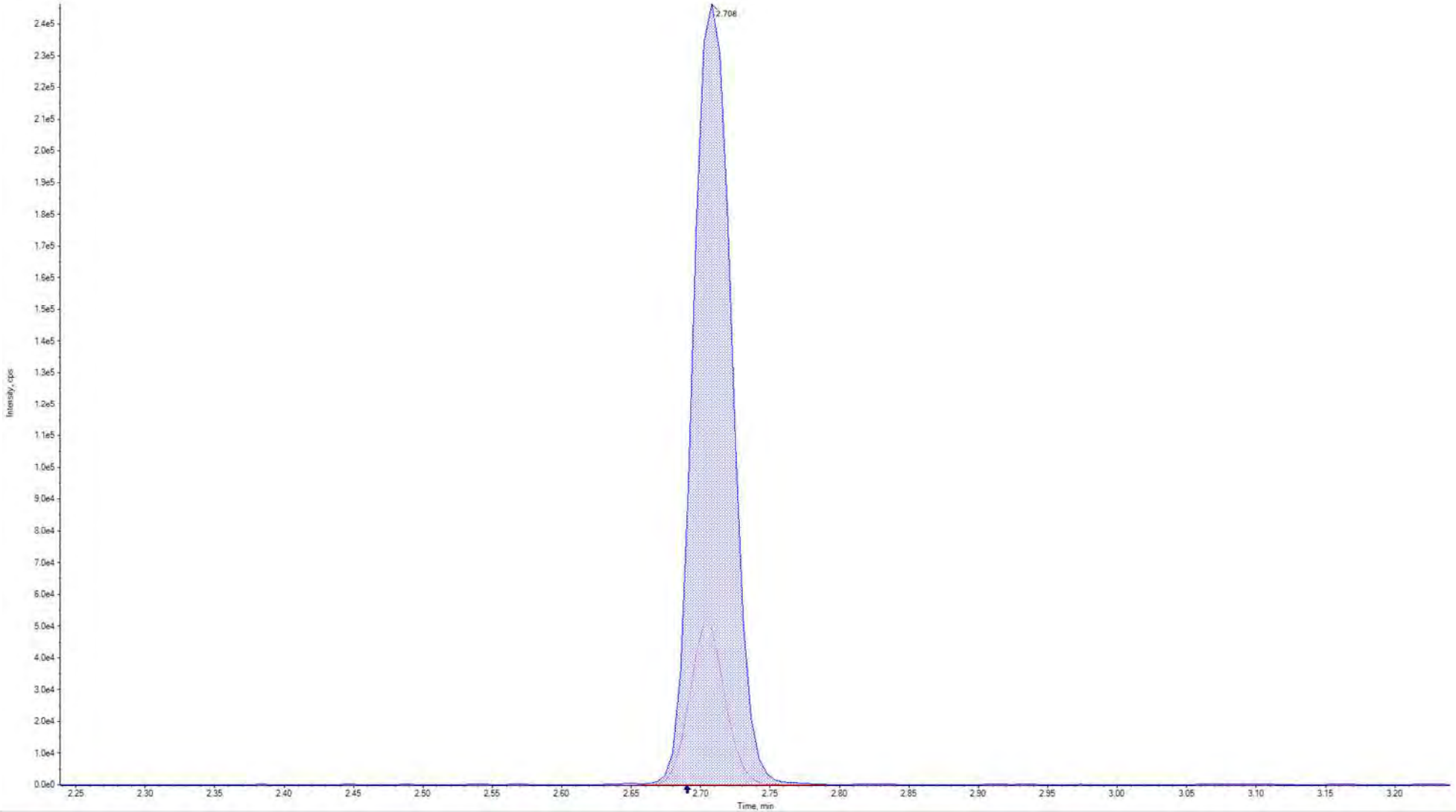
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

4:2FTS_2
Sample: WG2013165-5,1633FMED S/N:5679.7 Points Across peak:26



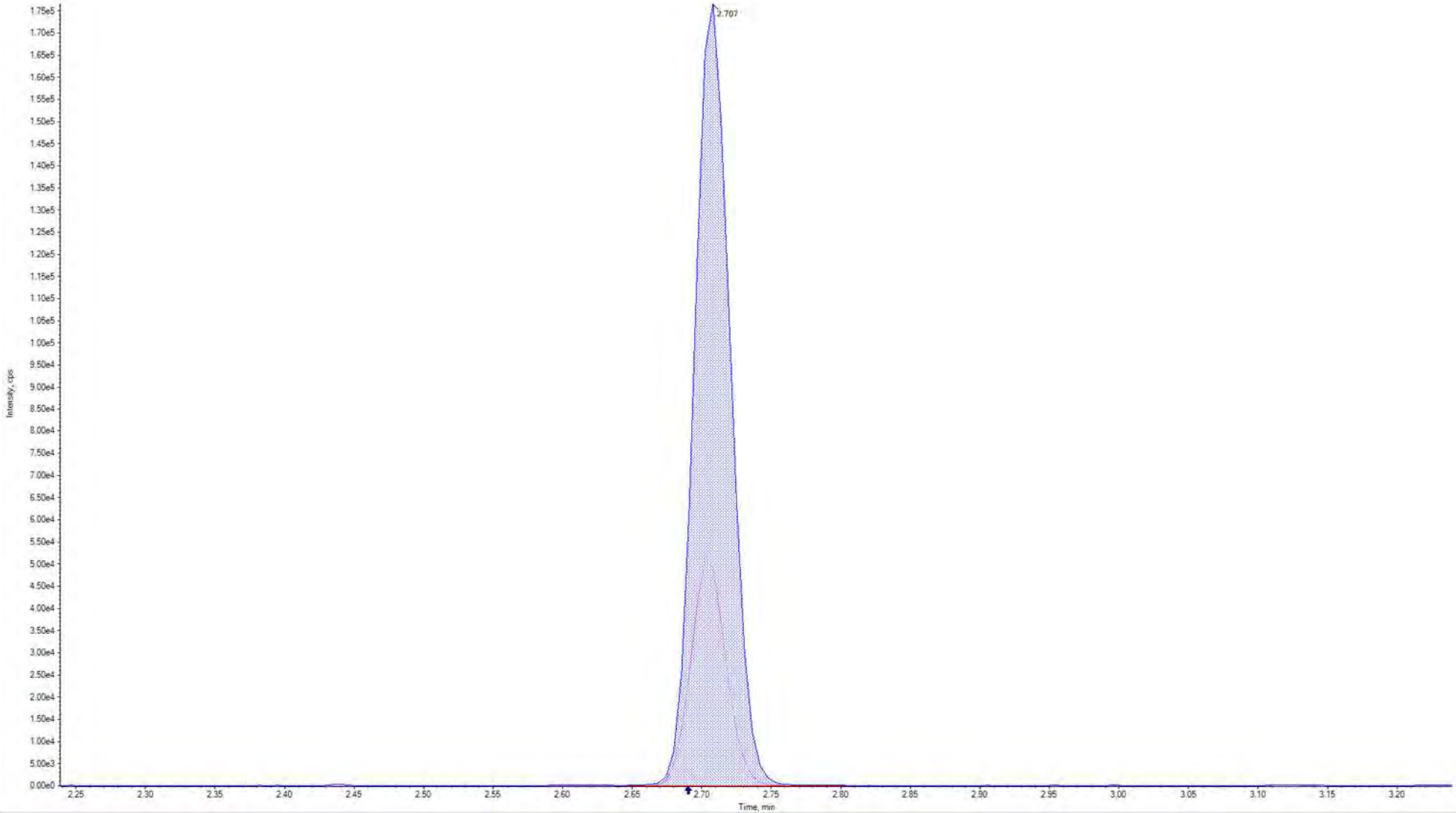
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

6:2FTS
Sample: WG2013165-5,1633FMED S/N:4938.9 Points Across peak:27



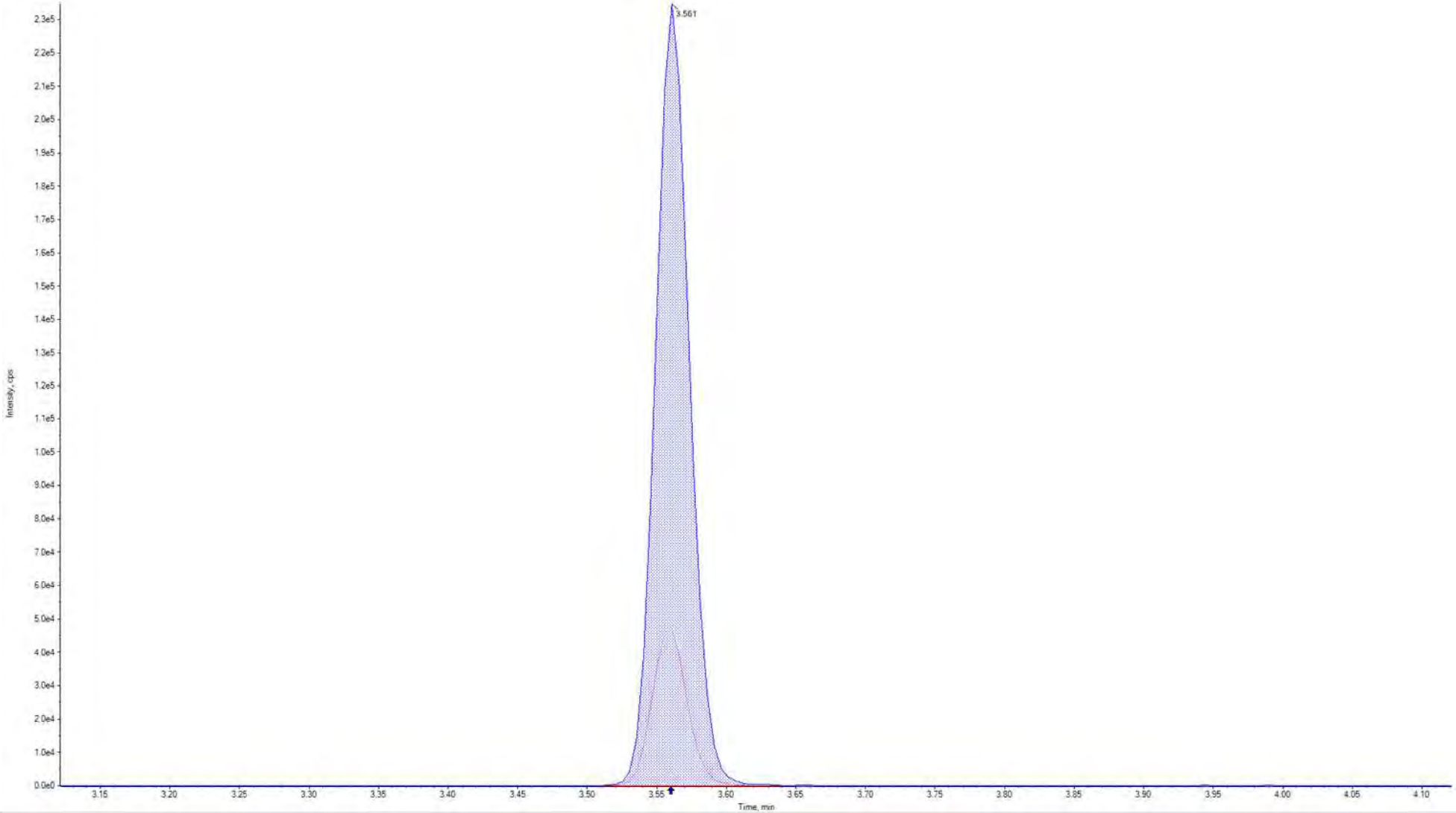
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

6:2FTS_2
Sample: WG2013165-5,1633FMED S/N:3540.7 Points Across peak:31



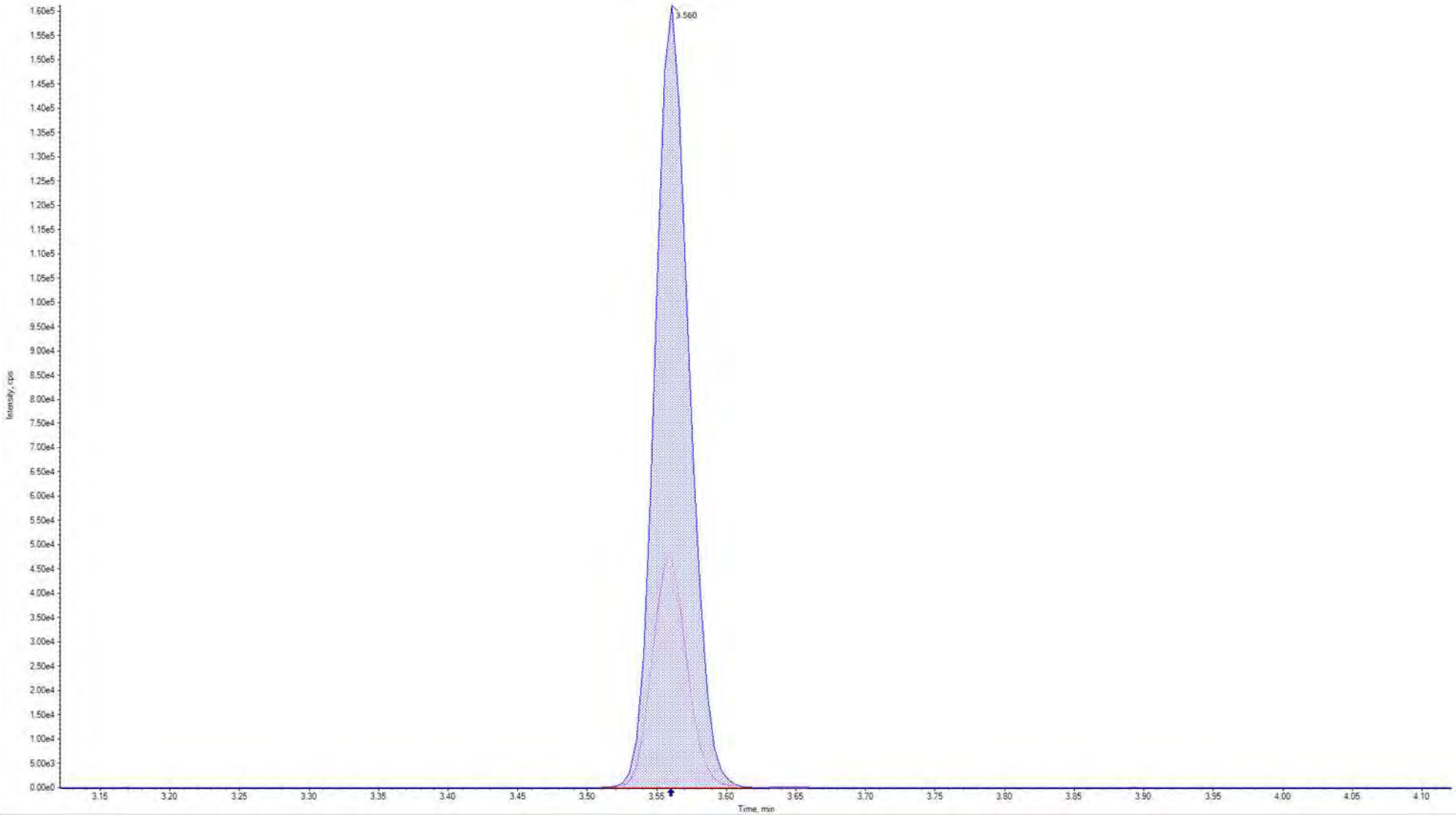
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

8:2FTS
Sample: WG2013165-5,1633FMED S/N:4706.4 Points Across peak:32



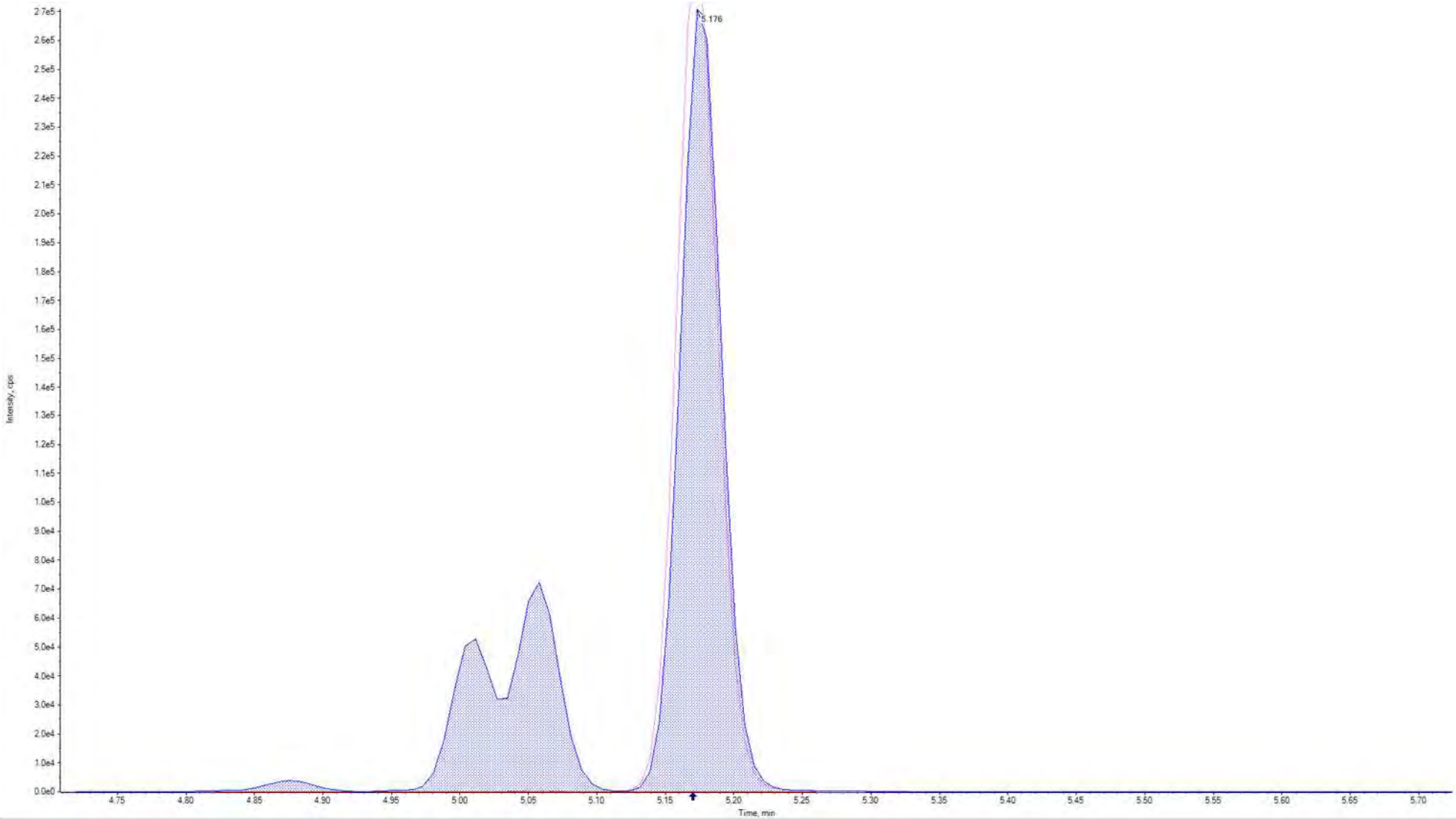
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

8:2FTS_2
Sample: WG2013165-5,1633FMED S/N:3232.5 Points Across peak:28



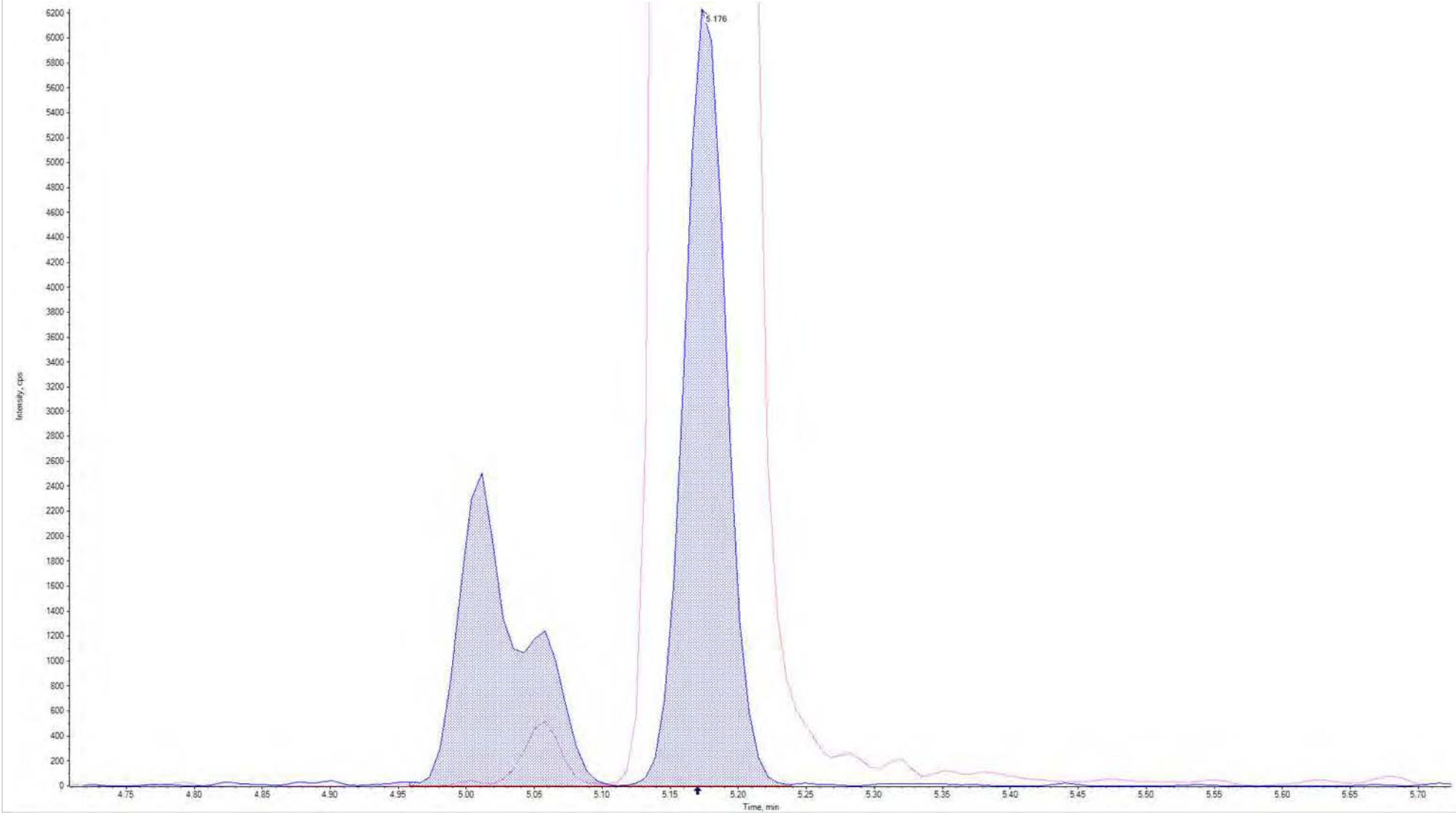
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFOSA
Sample: WG2013165-5,1633FMED S/N:351.3 Points Across peak:65



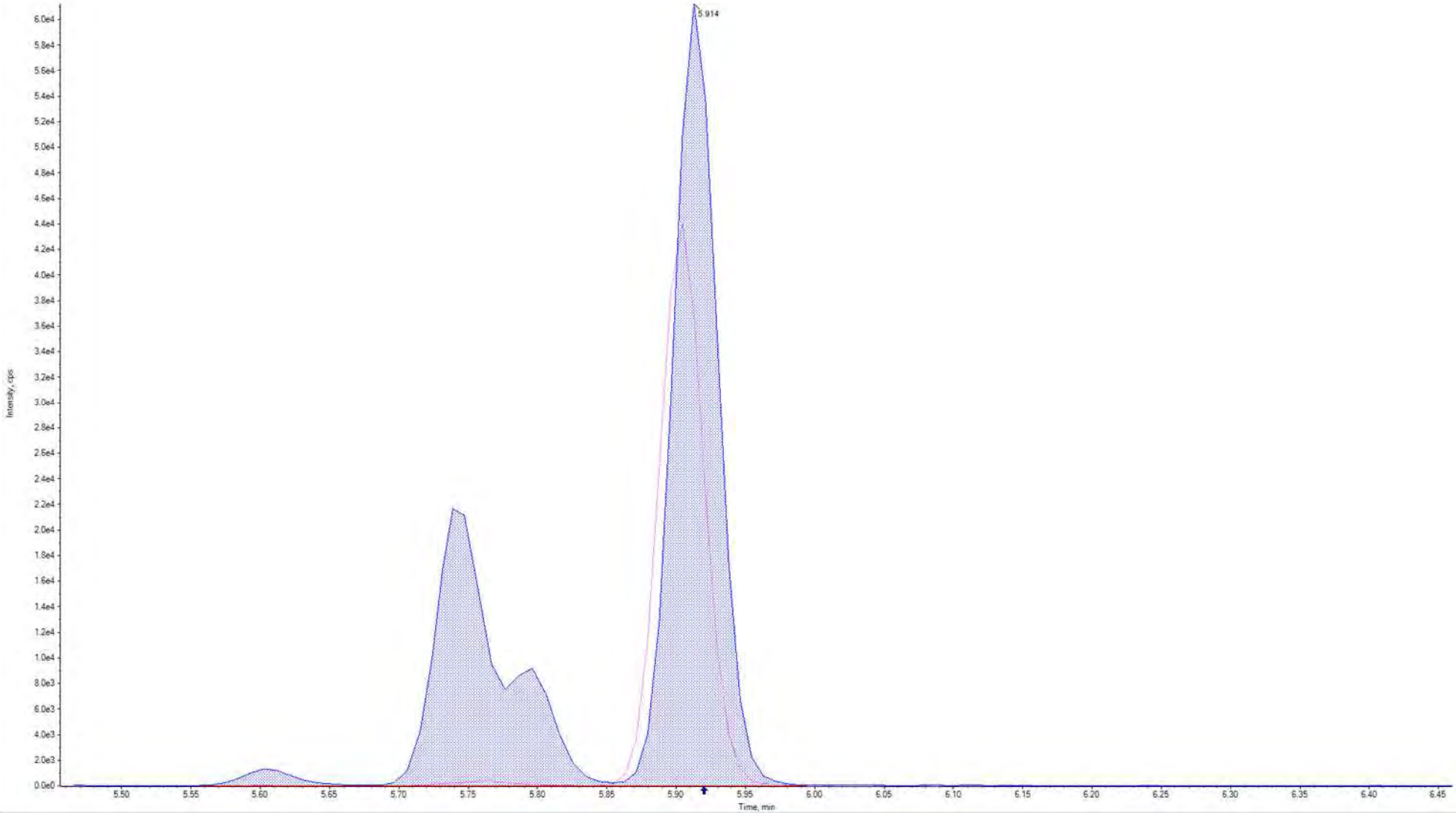
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFOSA_2
Sample: WG2013165-5,1633FMED S/N:339.3 Points Across peak:41



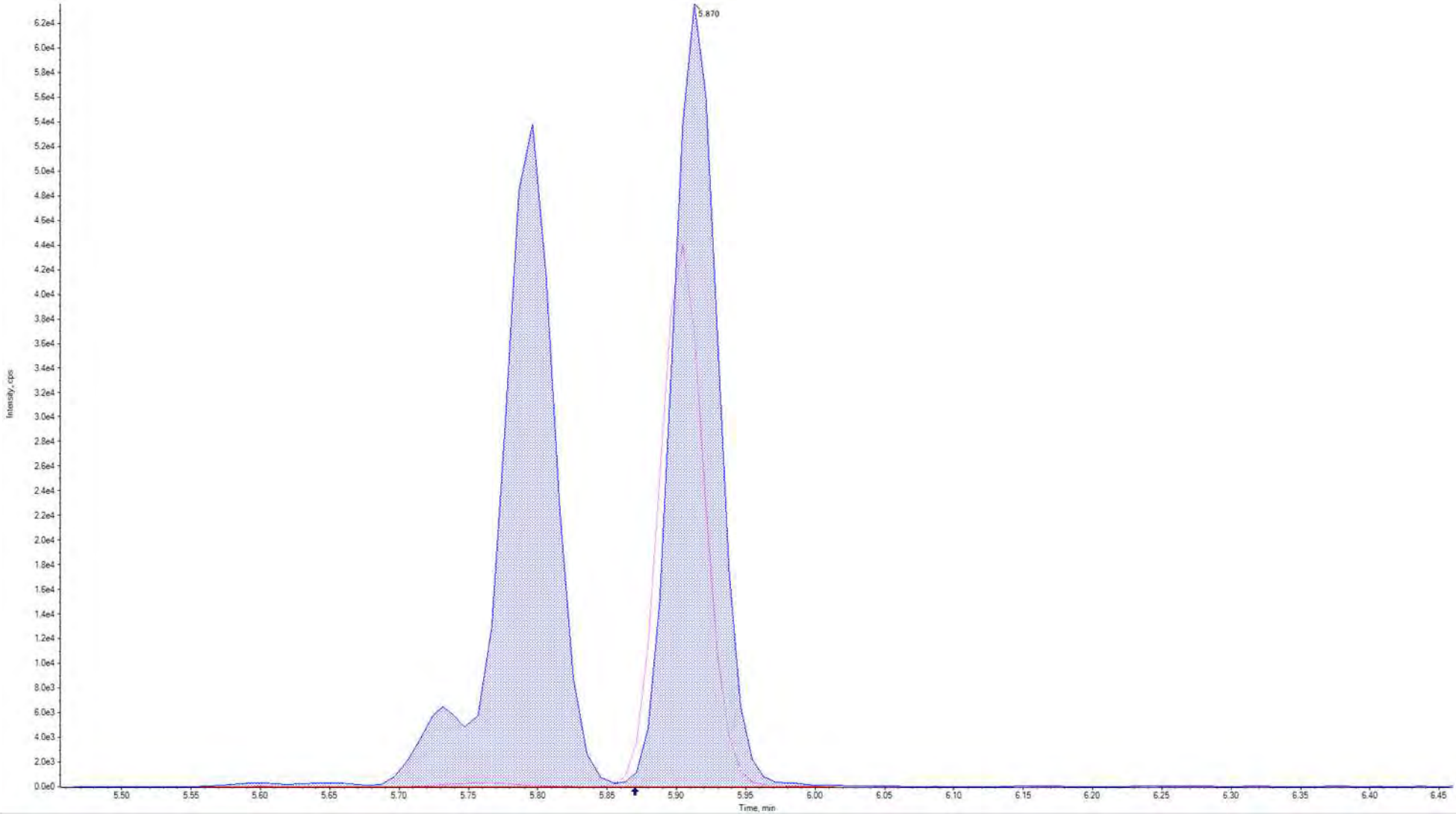
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

NMeFOSA
Sample: WG2013165-5,1633FMED S/N:346.2 Points Across peak:51



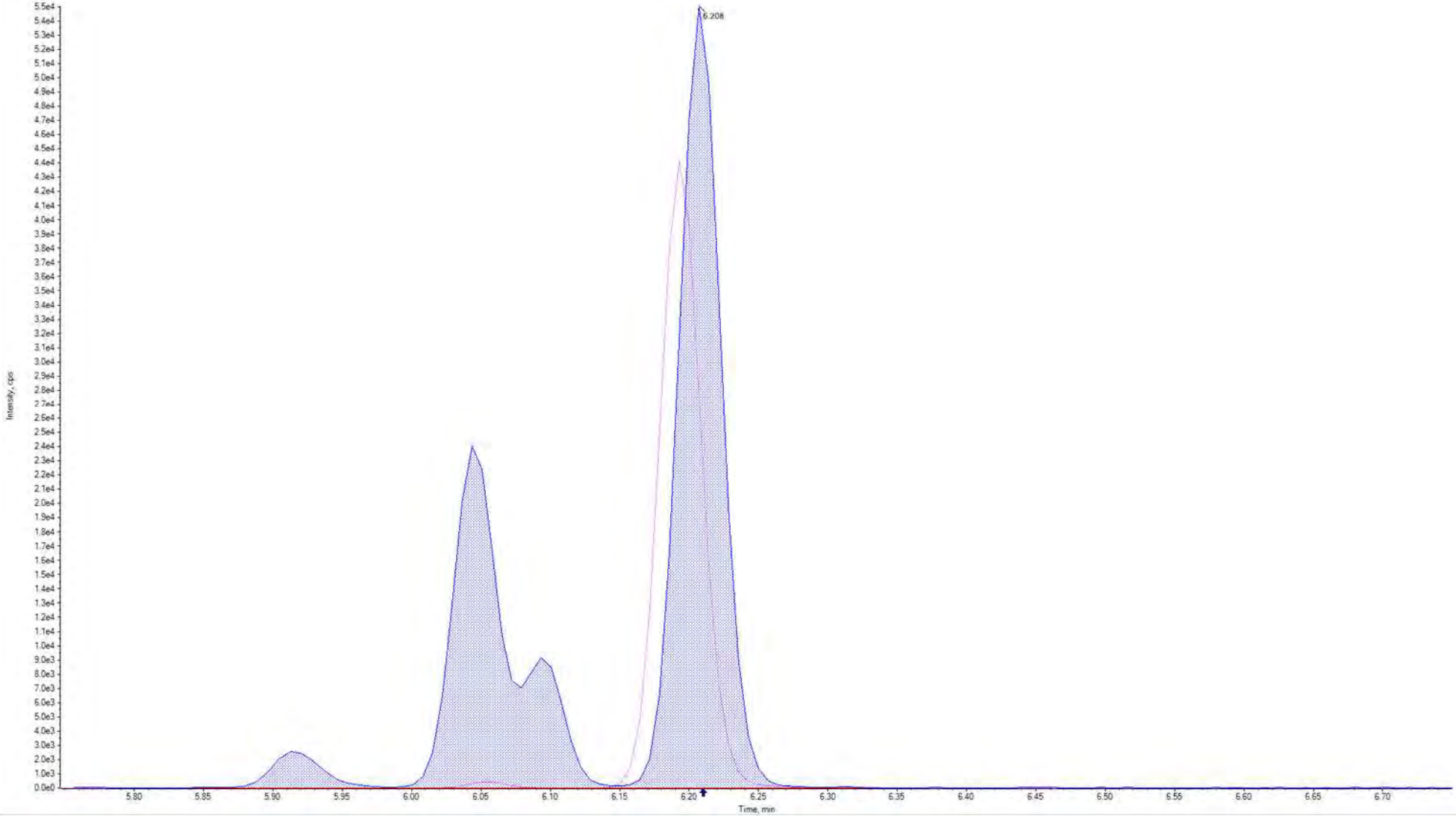
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

NMeFOSA_2
Sample: WG2013165-5,1633FMED S/N:270.1 Points Across peak:54



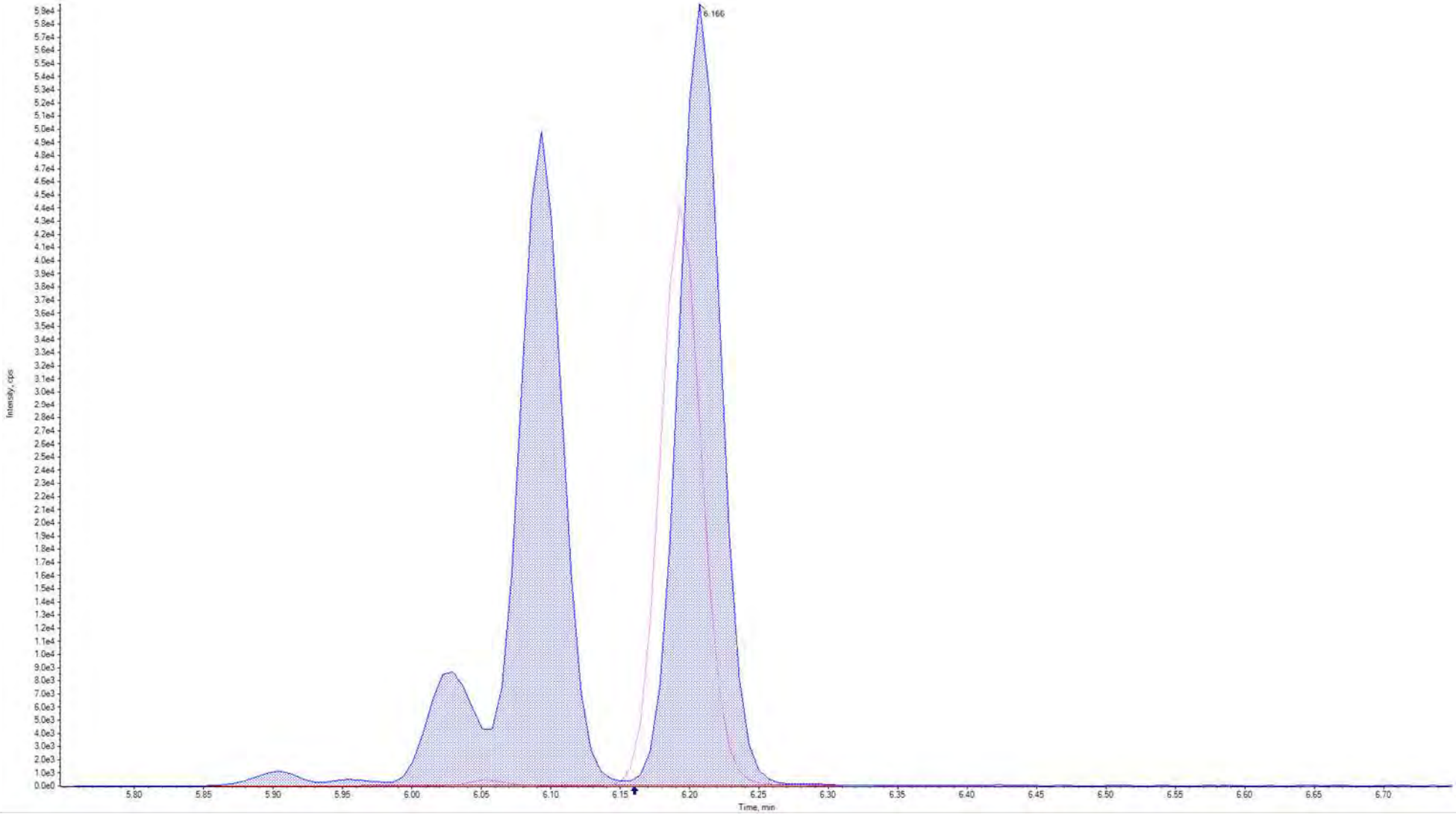
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

NEtFOSA
Sample: WG2013165-5,1633FMED S/N:928.4 Points Across peak:72



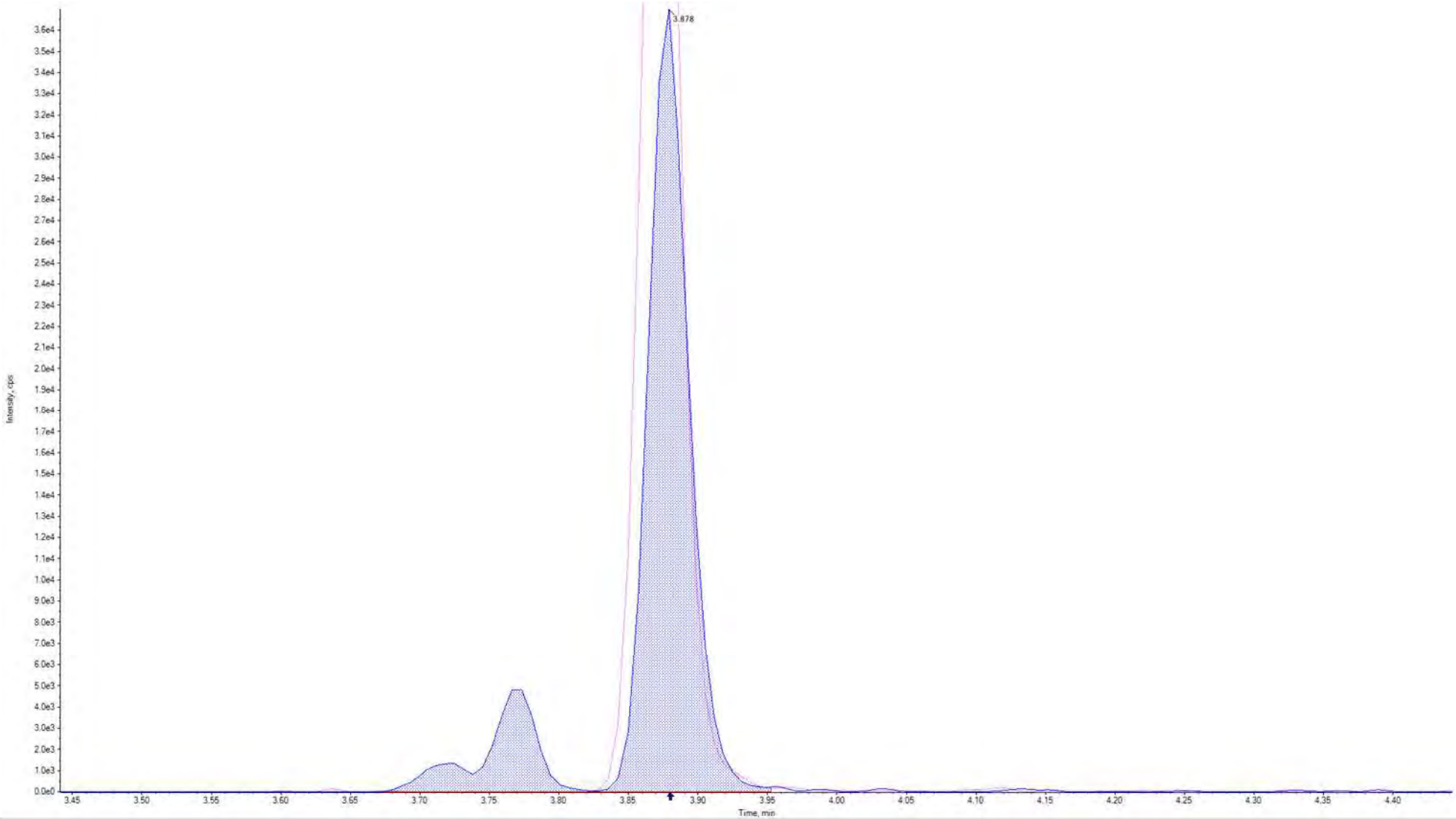
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

NEtFOSA_2
Sample: WG2013165-5,1633FMED S/N:696.7 Points Across peak:65



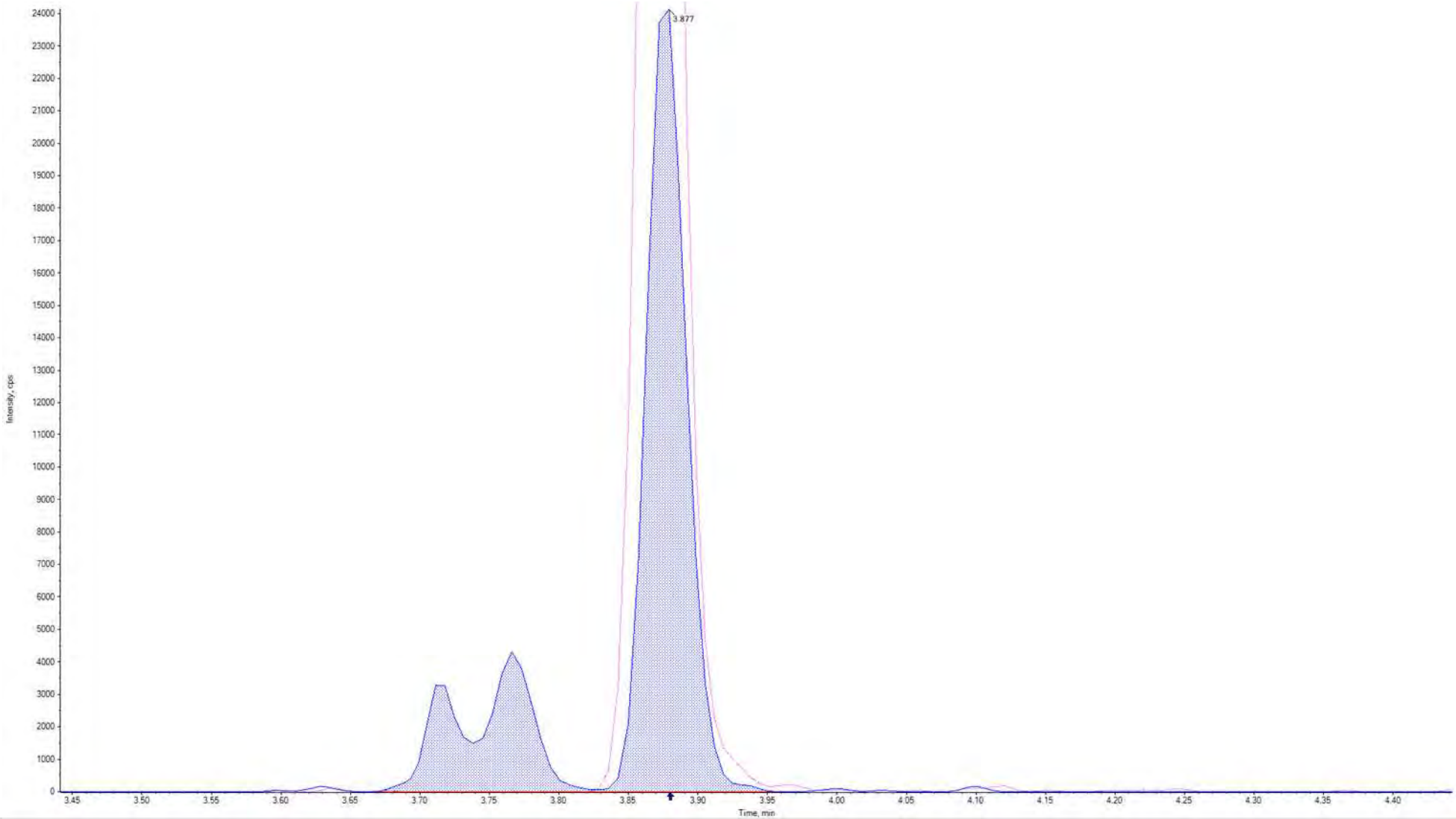
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

NMeFOSAA
Sample: WG2013165-5,1633FMED S/N:502.3 Points Across peak:44



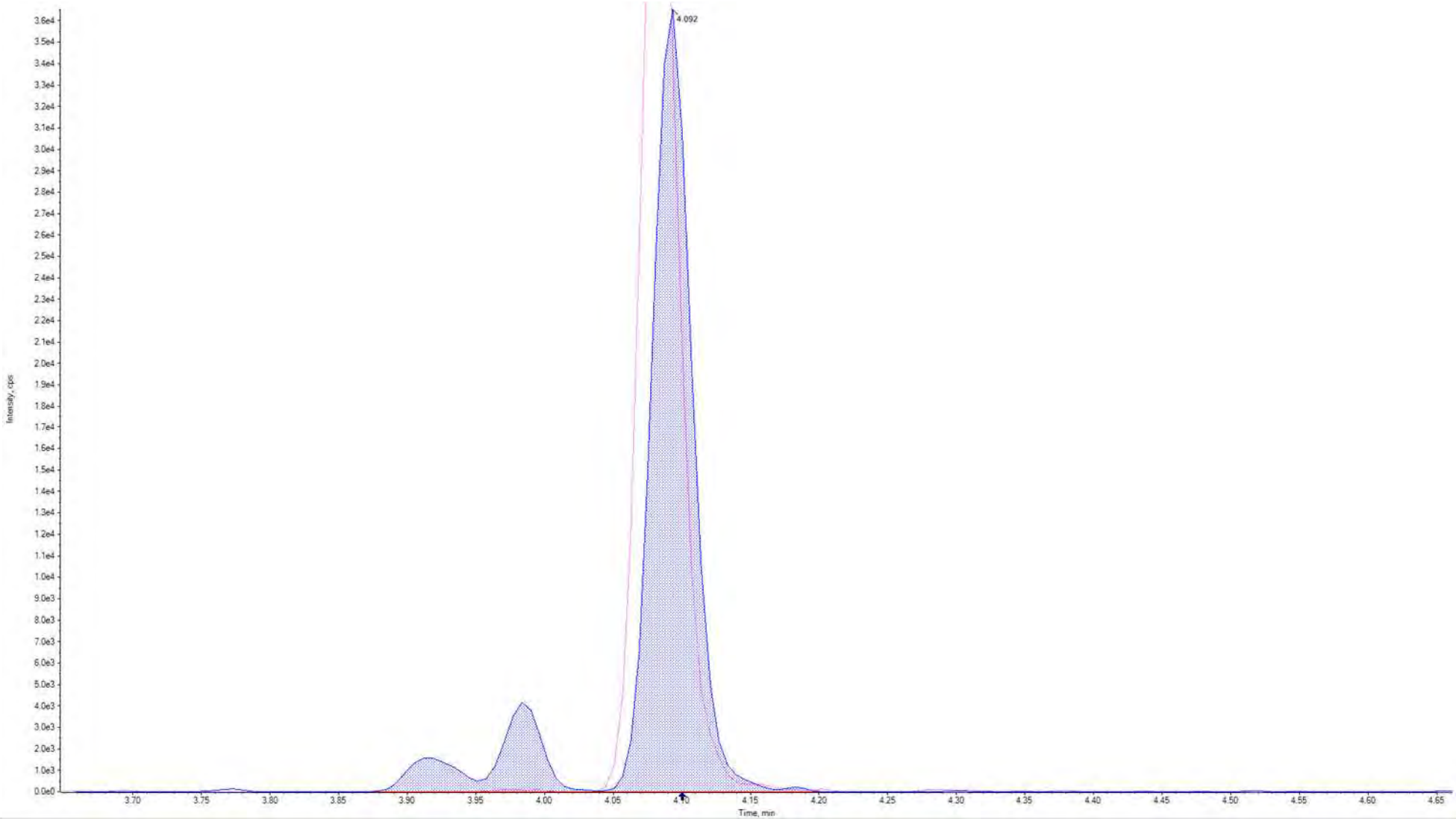
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

NMeFOSAA_2
Sample: WG2013165-5,1633FMED S/N:359.8 Points Across peak:47



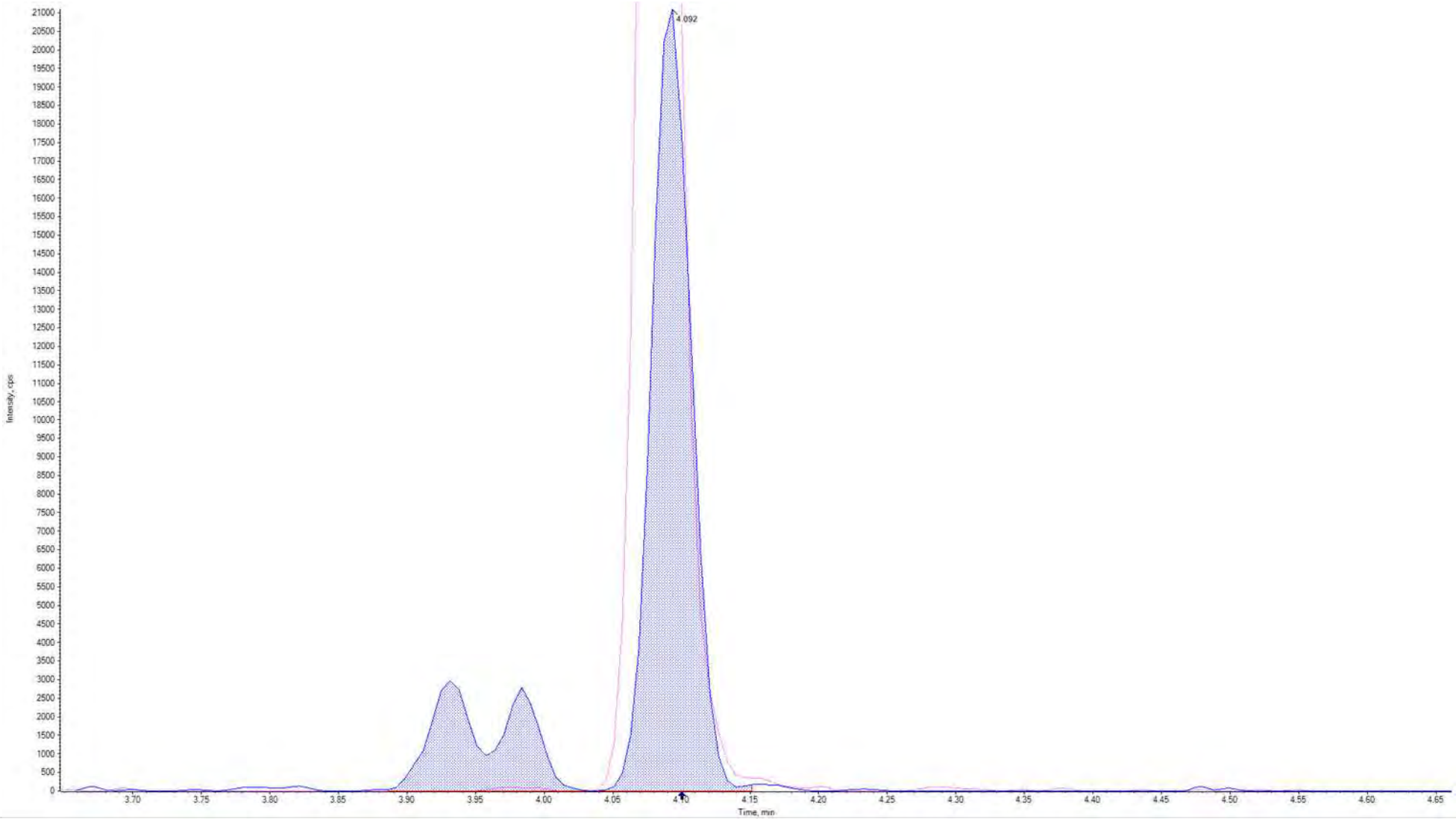
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

NEtFOSAA
Sample: WG2013165-5,1633FMED S/N:781.6 Points Across peak:65



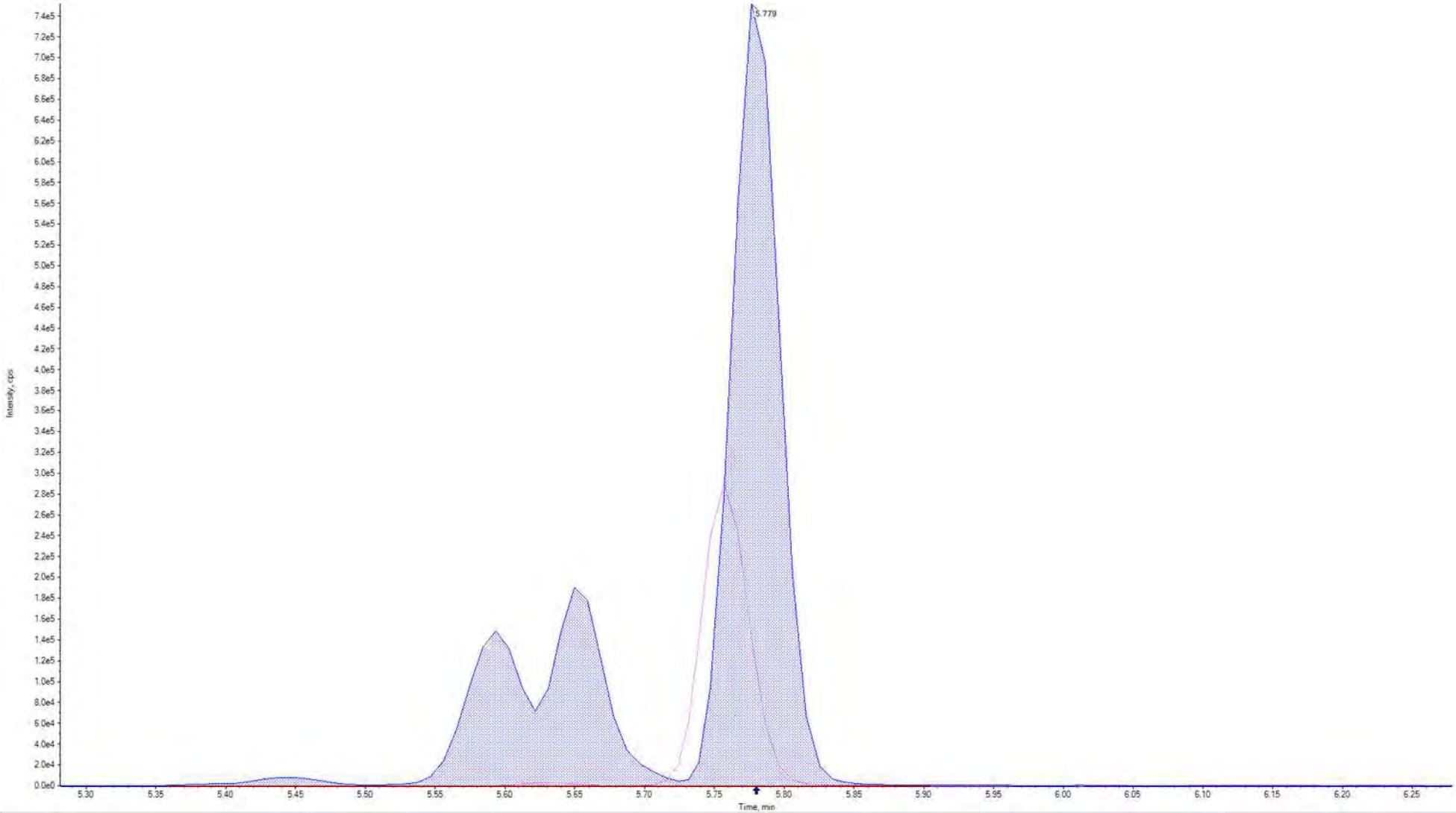
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

NEtFOSAA_2
Sample: WG2013165-5,1633FMED S/N:388.3 Points Across peak:43



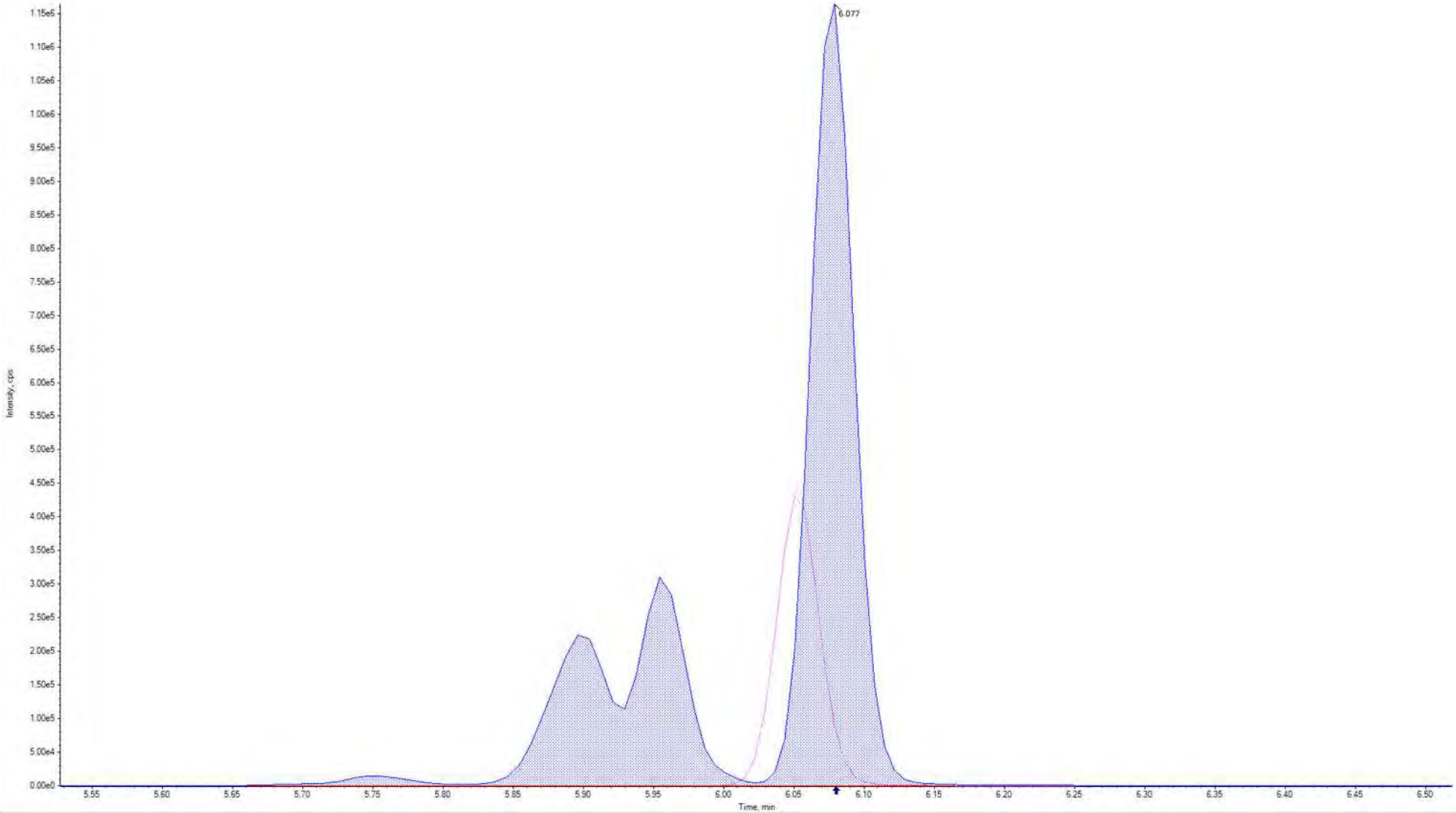
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

NMeFOSE
Sample: WG2013165-5,1633FMED S/N:249.1 Points Across peak:66



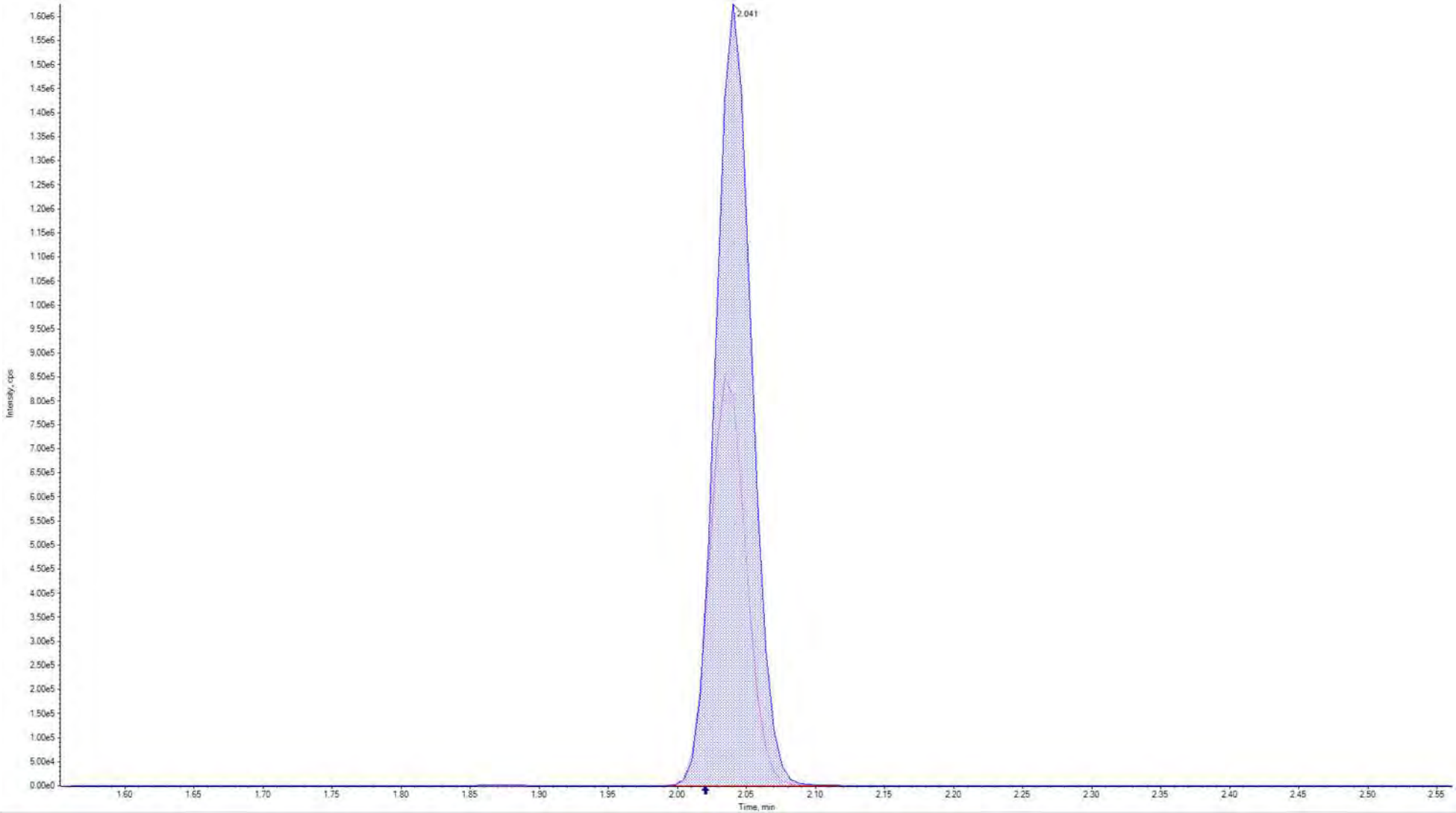
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

NEtFOSE
Sample: WG2013165-5,1633FMED S/N:312.3 Points Across peak:64



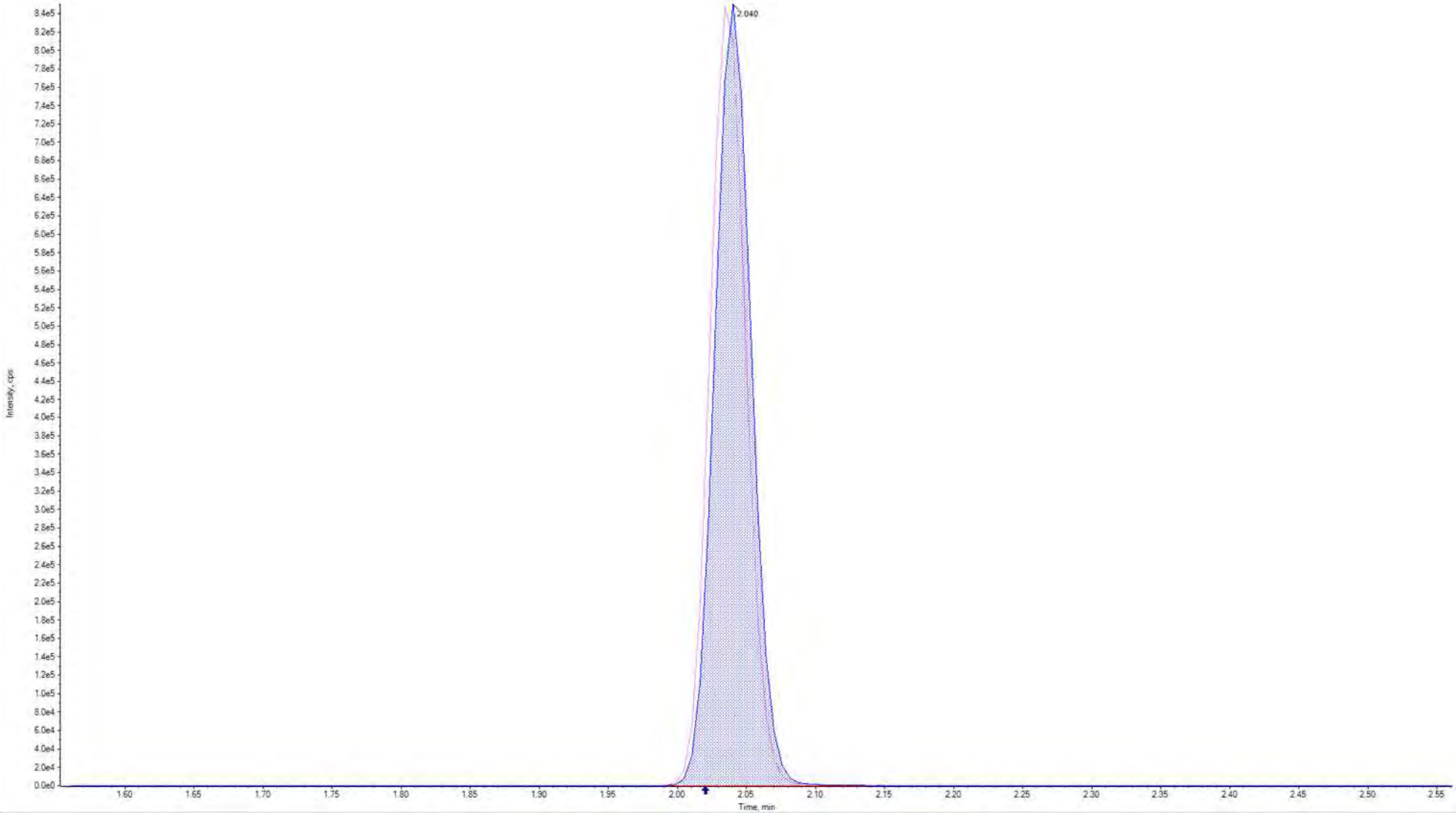
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

HFPO-DA
Sample: WG2013165-5,1633FMED S/N:7594.4 Points Across peak:26



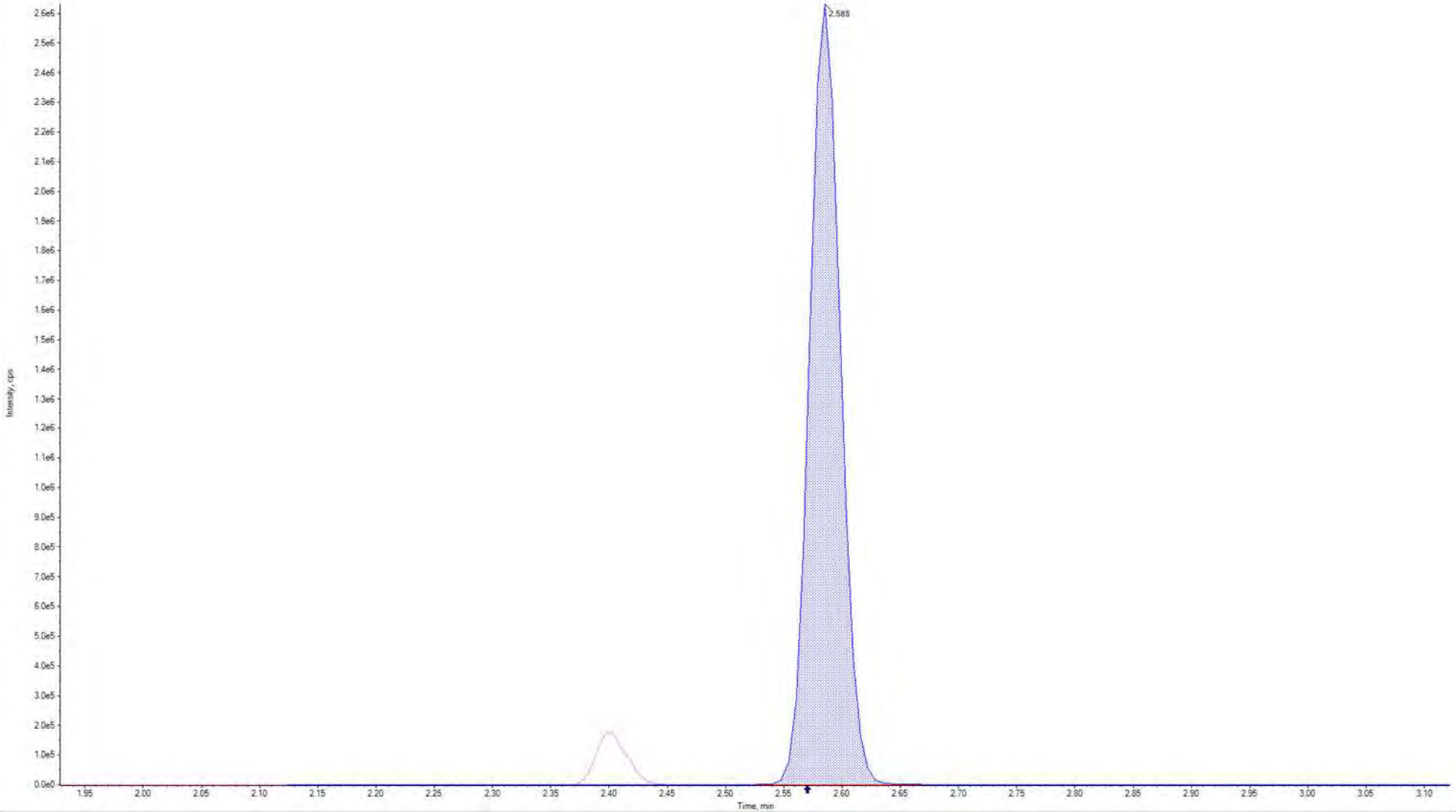
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

HFPO-DA_2
Sample: WG2013165-5,1633FMED S/N:19188.0 Points Across peak:33



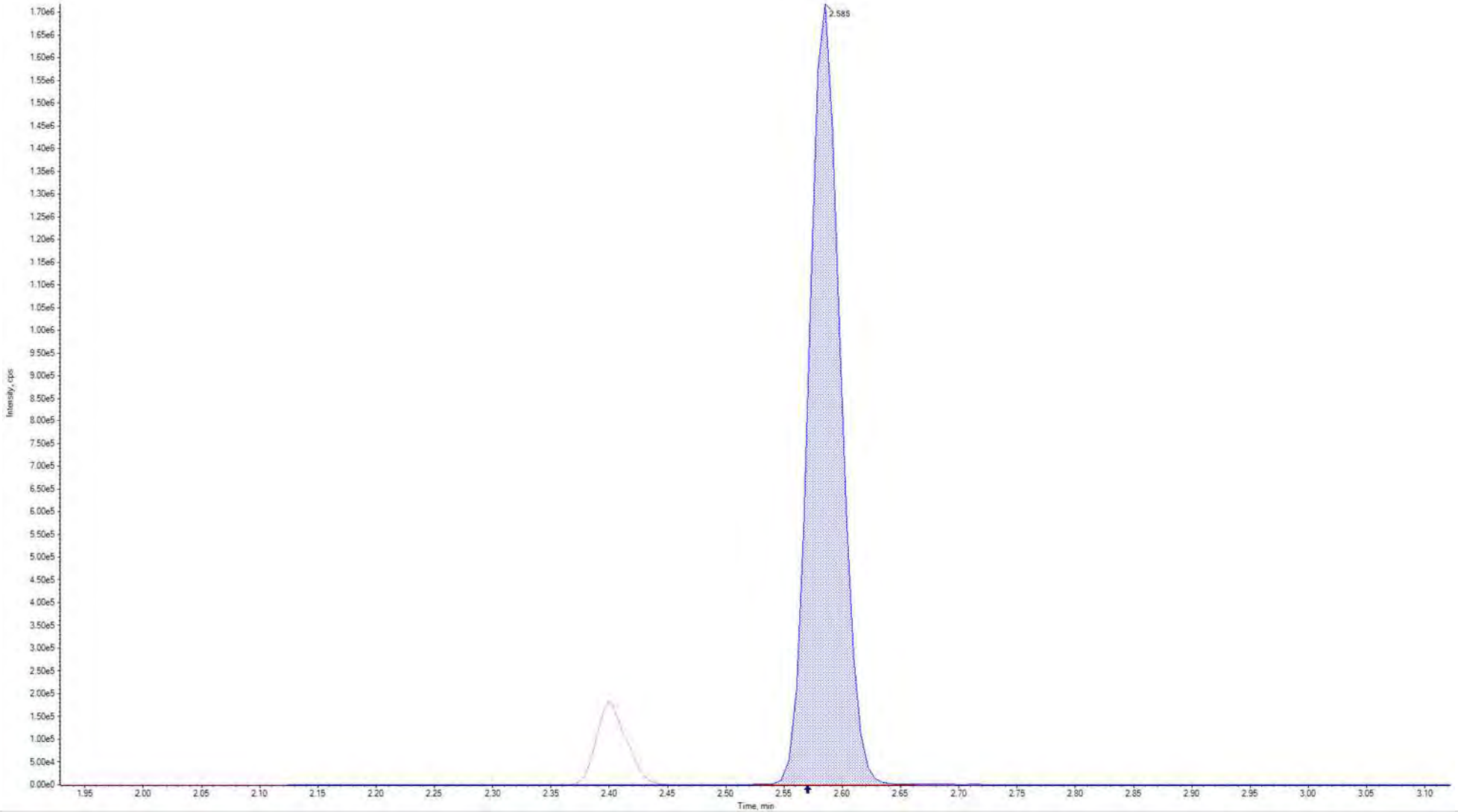
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

ADONA
Sample: WG2013165-5,1633FMED S/N:7462.3 Points Across peak:46



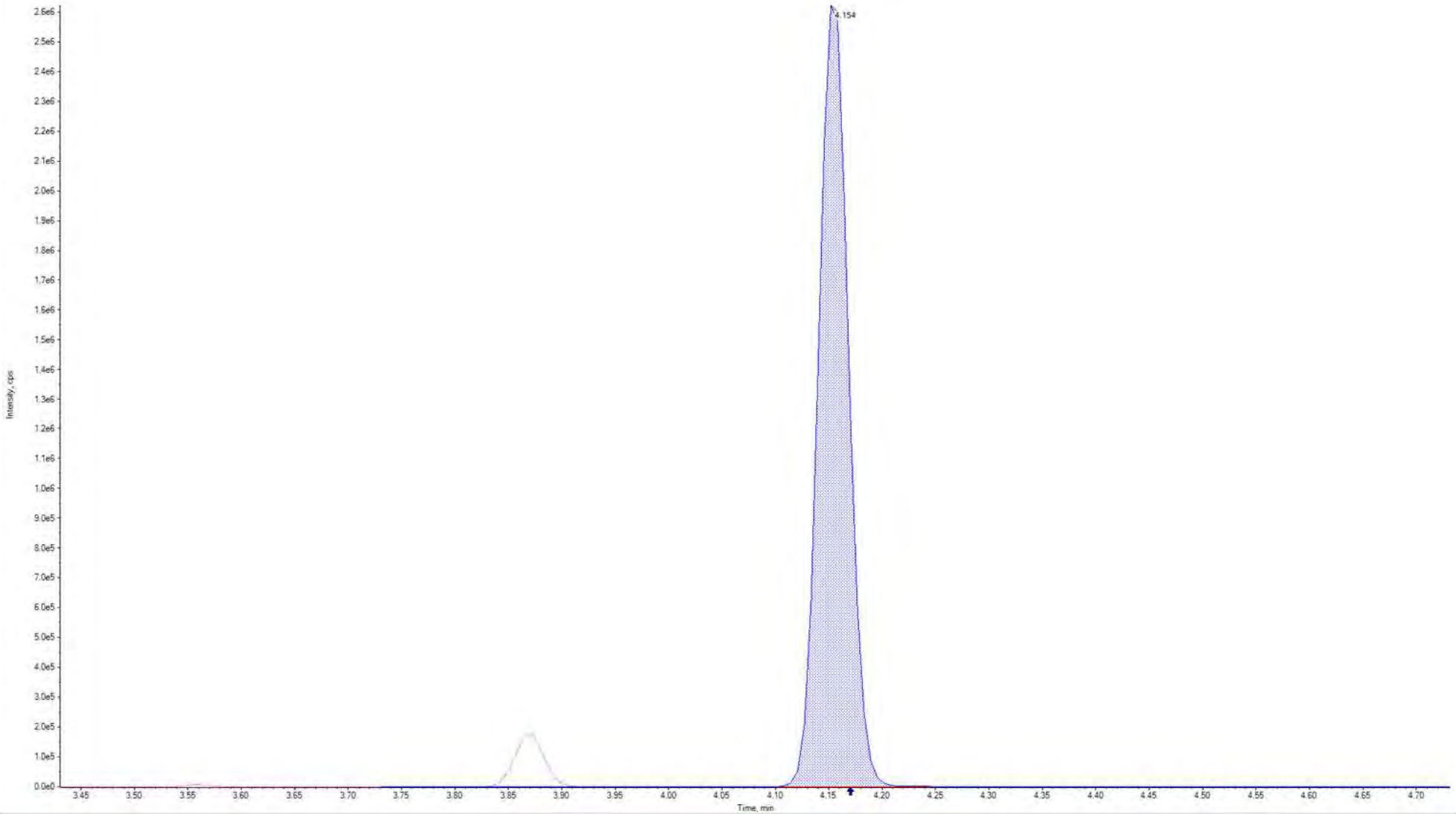
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

ADONA_2
Sample: WG2013165-5,1633FMED S/N:5363.1 Points Across peak:28



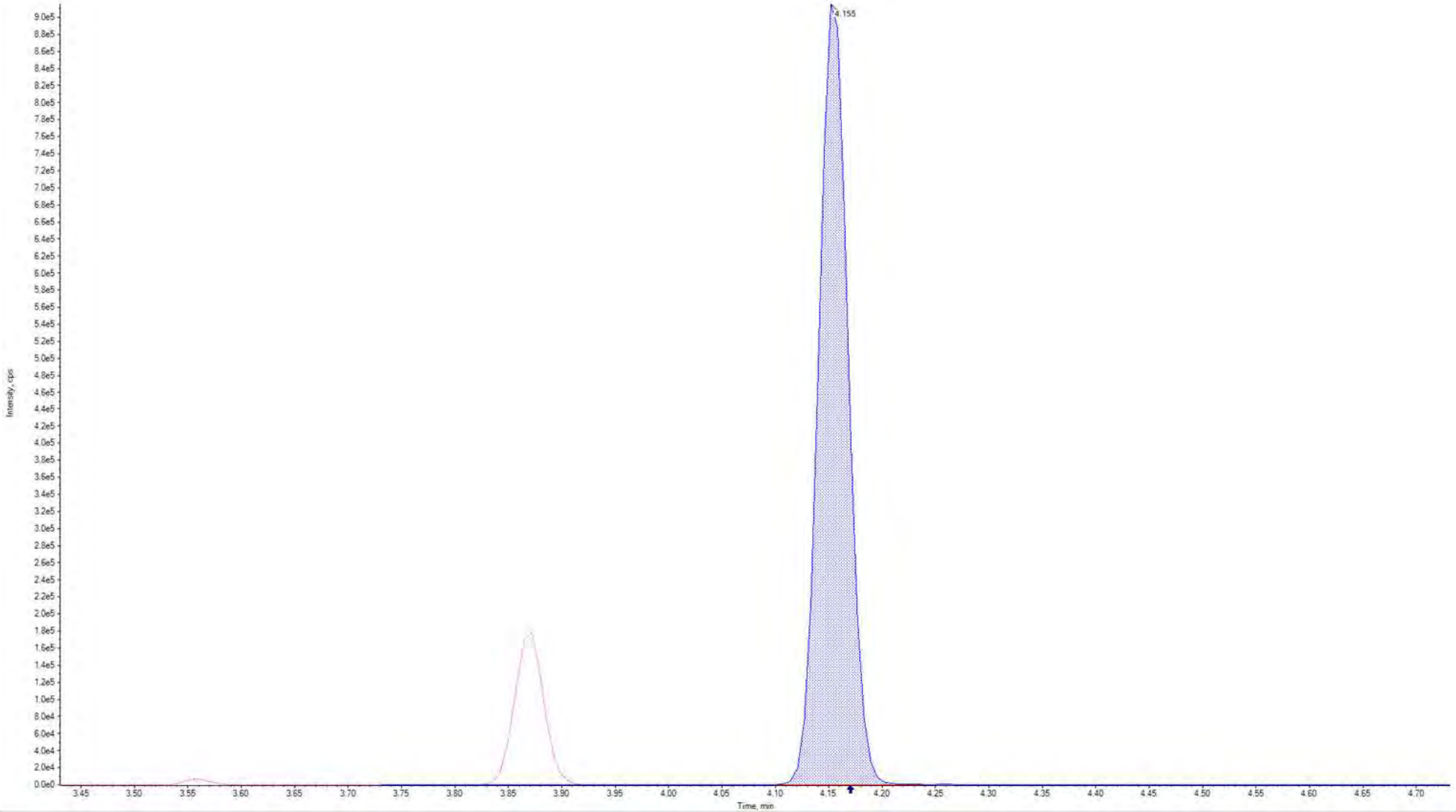
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

9Cl-PF3ONS
Sample: WG2013165-5,1633FMED S/N:8801.3 Points Across peak:32



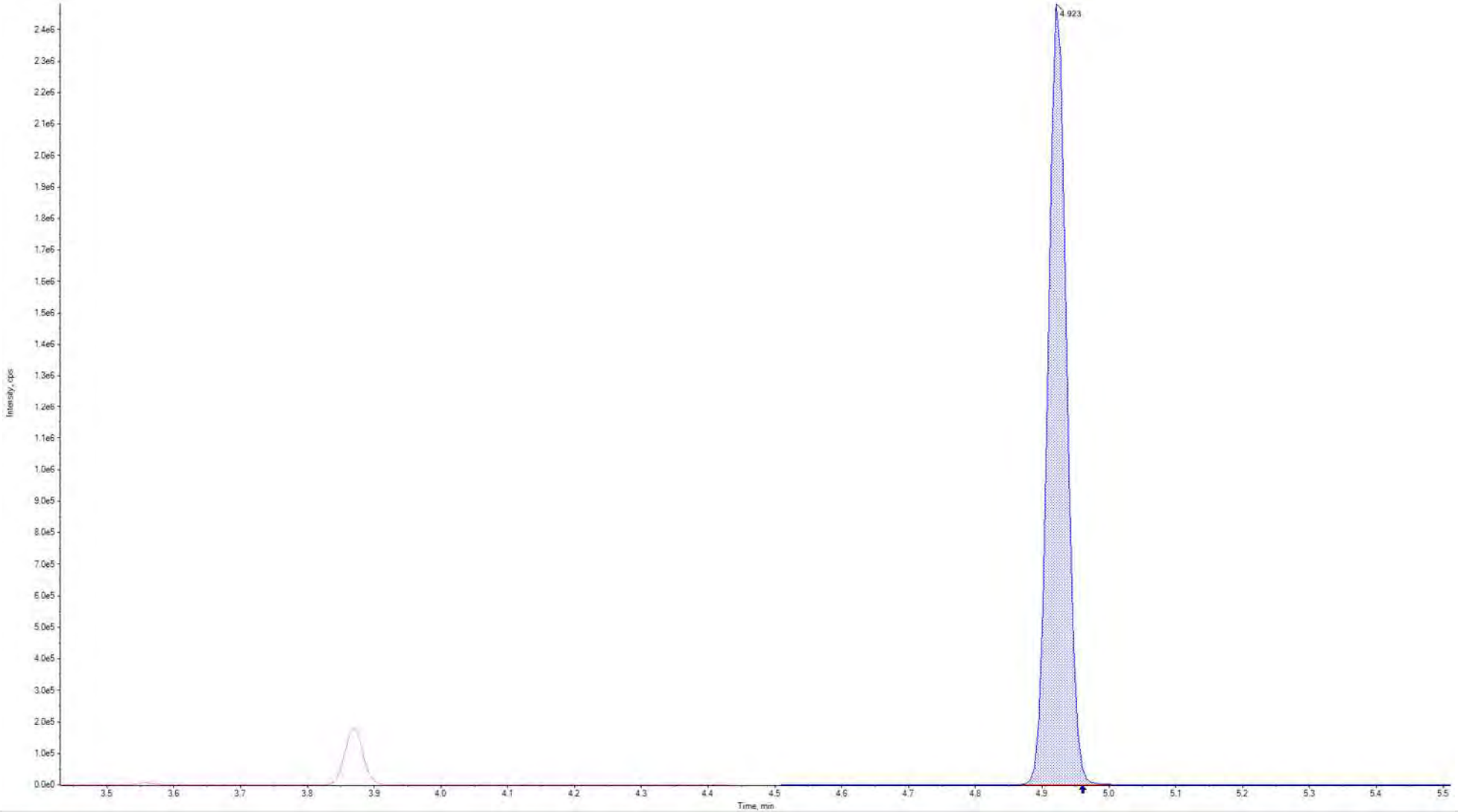
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

9Cl-PF3ONS_2
Sample: WG2013165-5,1633FMED S/N:7260.0 Points Across peak:26



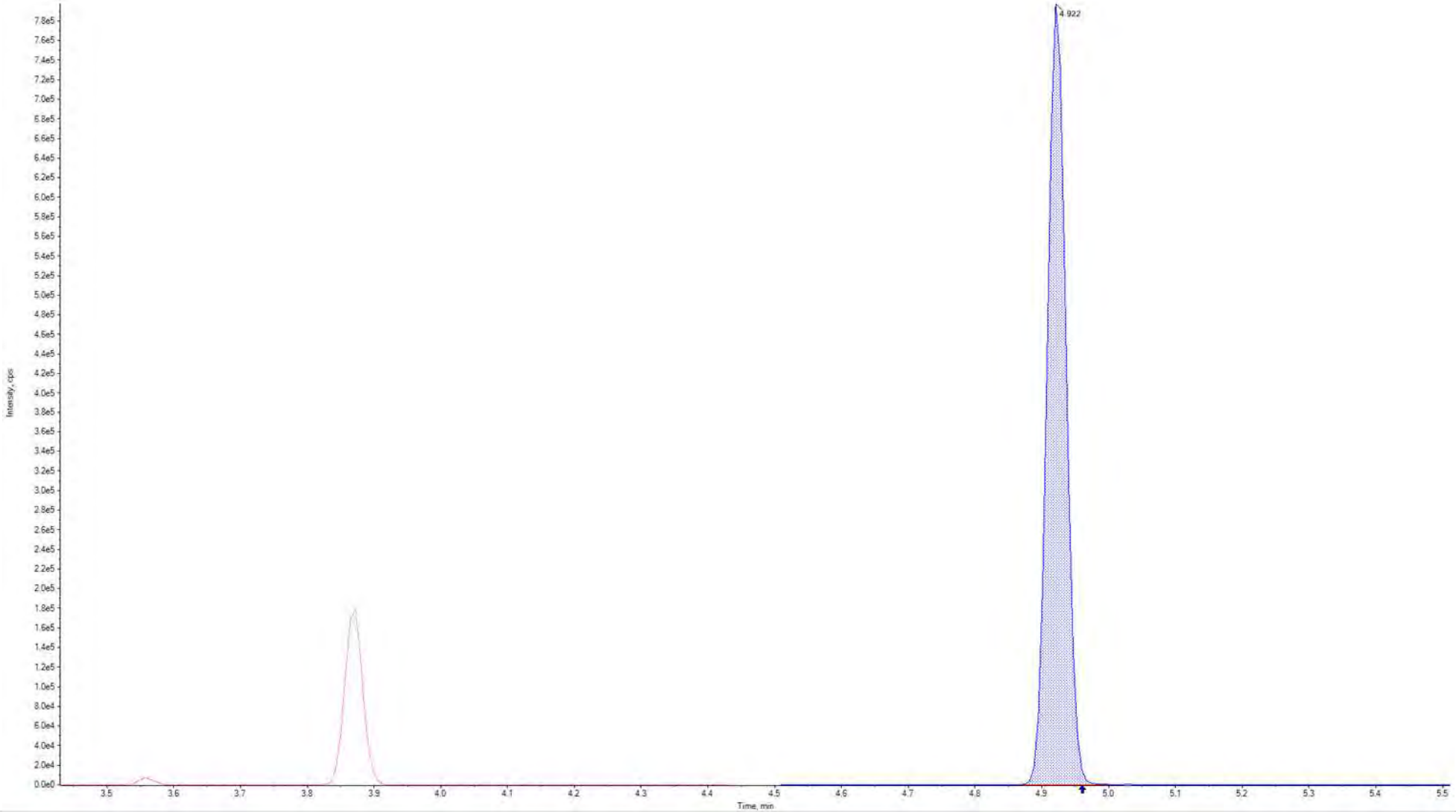
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

11Cl-PF3OUdS
Sample: WG2013165-5,1633FMED S/N:10006.0 Points Across peak:40



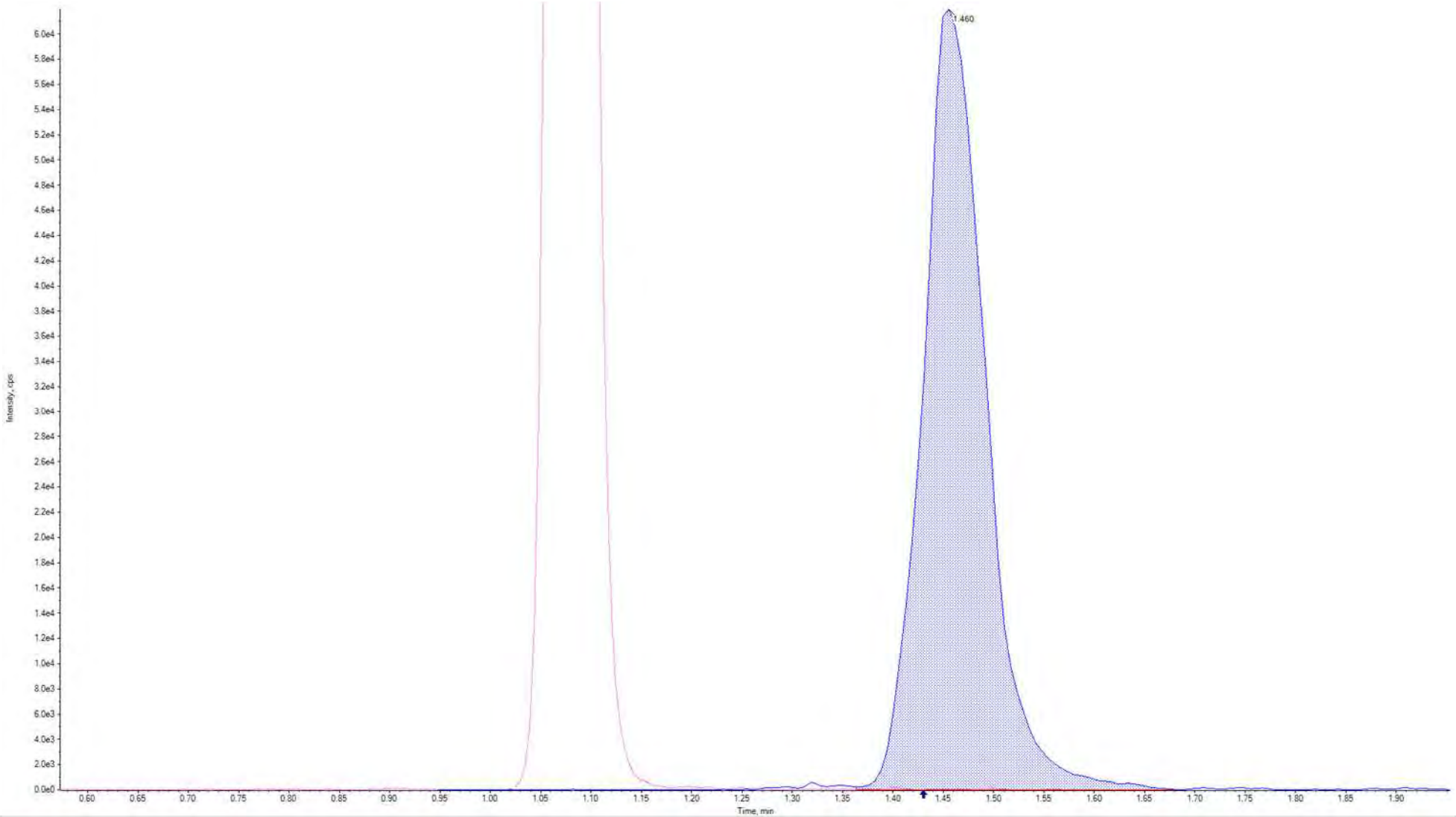
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

11Cl-PF3OUdS_2
Sample: WG2013165-5,1633FMED S/N:7609.9 Points Across peak:26



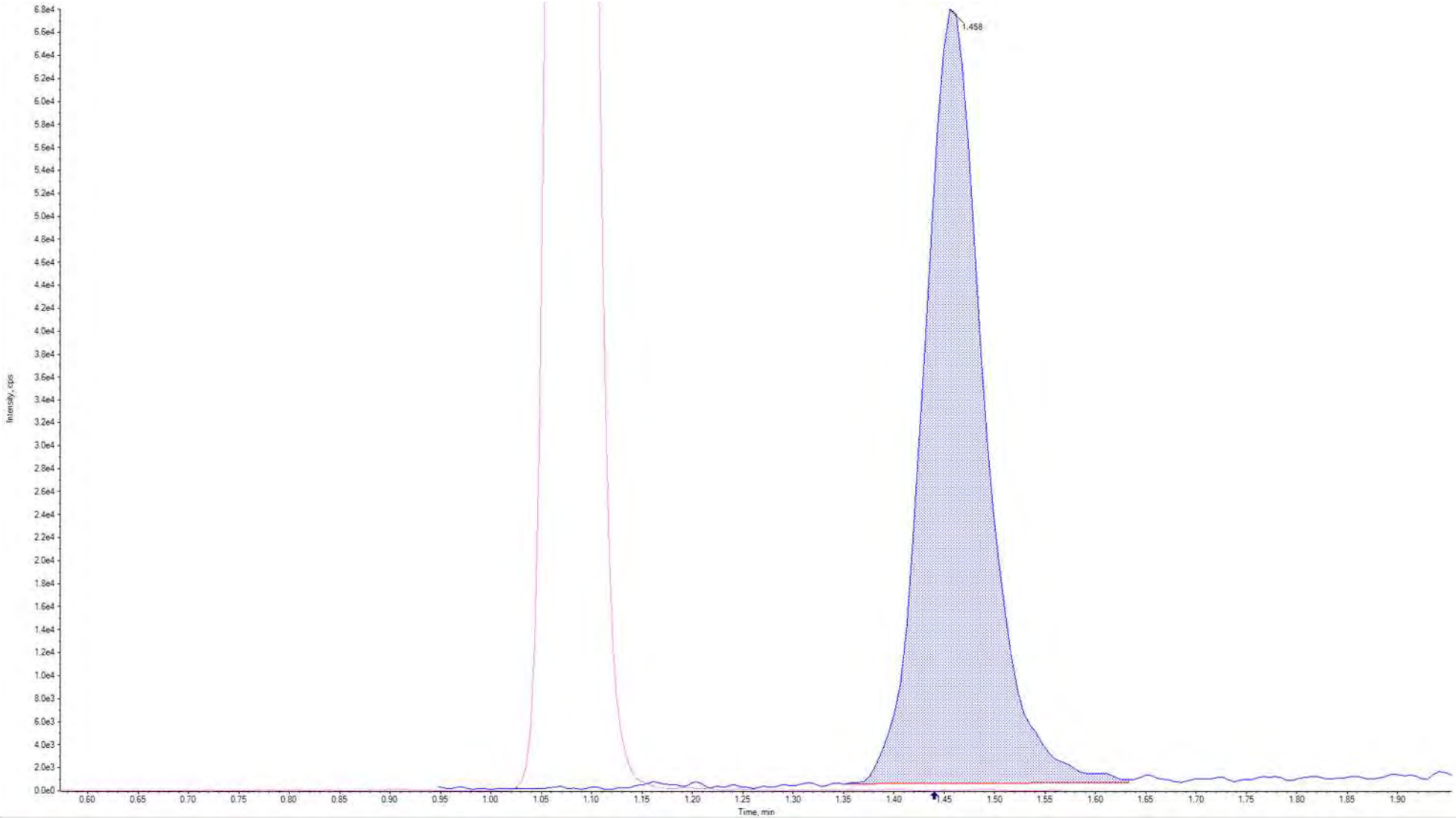
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

3:3FTCA
Sample: WG2013165-5,1633FMED S/N:1552.9 Points Across peak:55



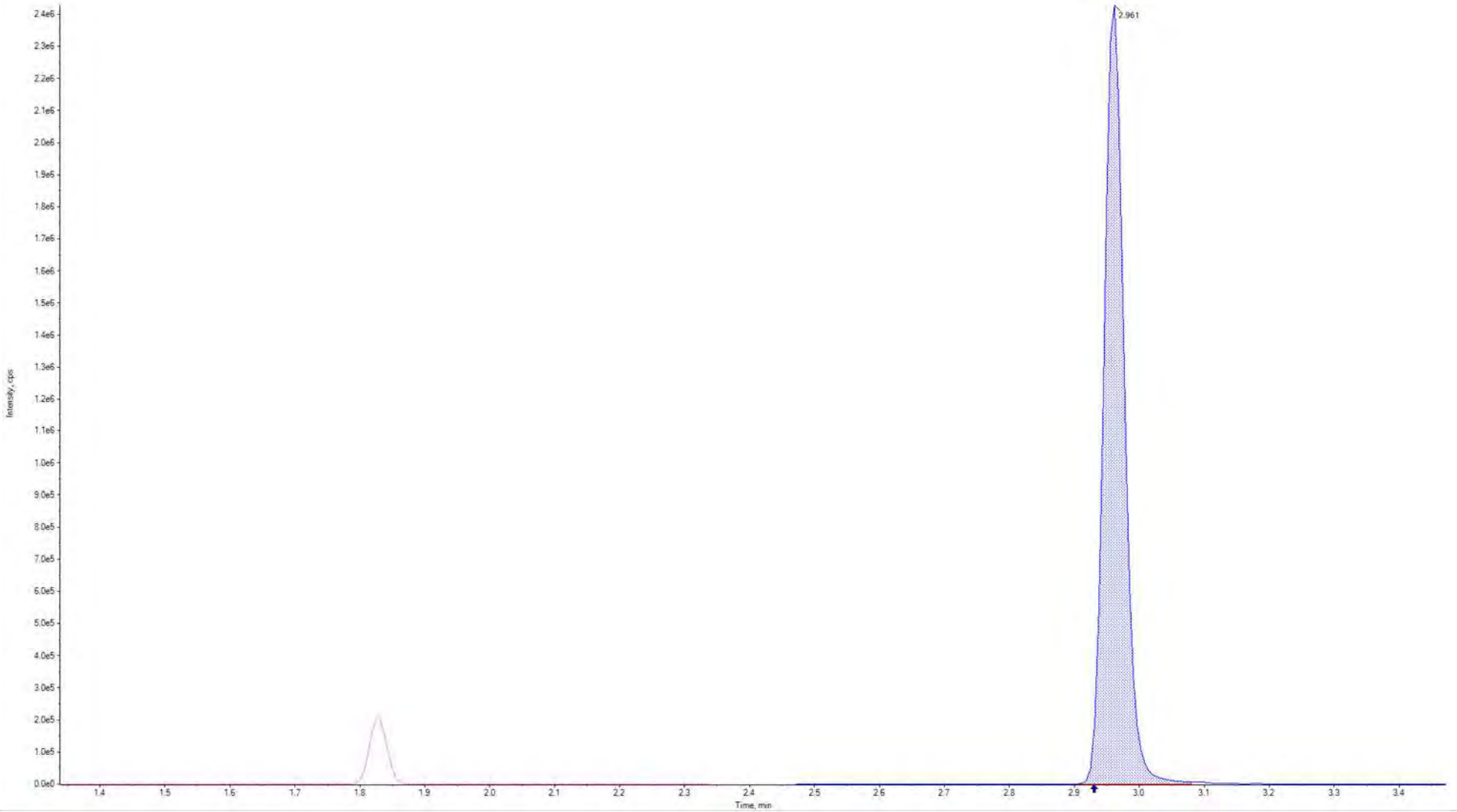
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

3:3FTCA_2
Sample: WG2013165-5,1633FMED S/N:1464.2 Points Across peak:48



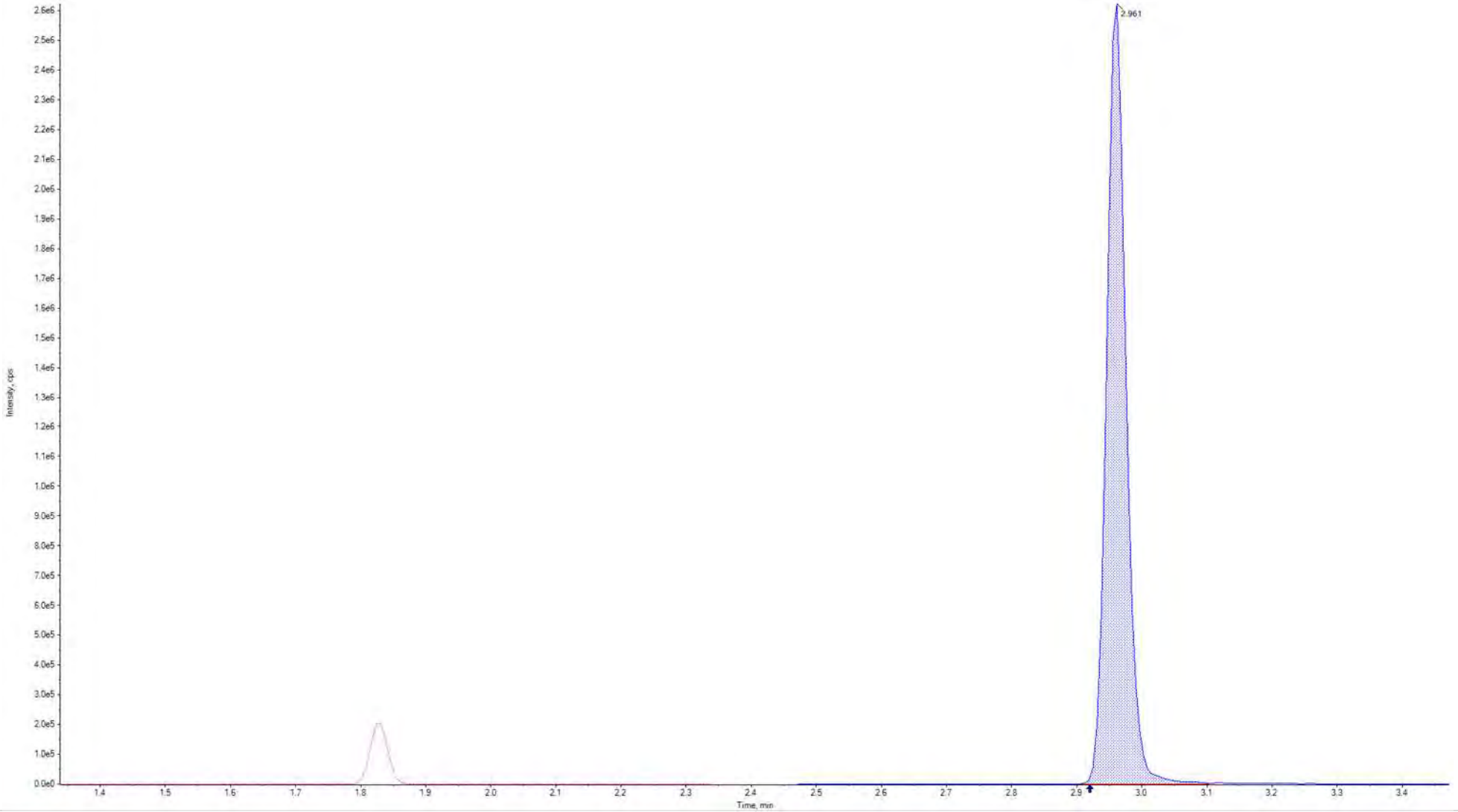
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

5:3FTCA
Sample: WG2013165-5,1633FMED S/N:54762.6 Points Across peak:33



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

5:3FTCA_2
Sample: WG2013165-5,1633FMED S/N:8346.1 Points Across peak:36



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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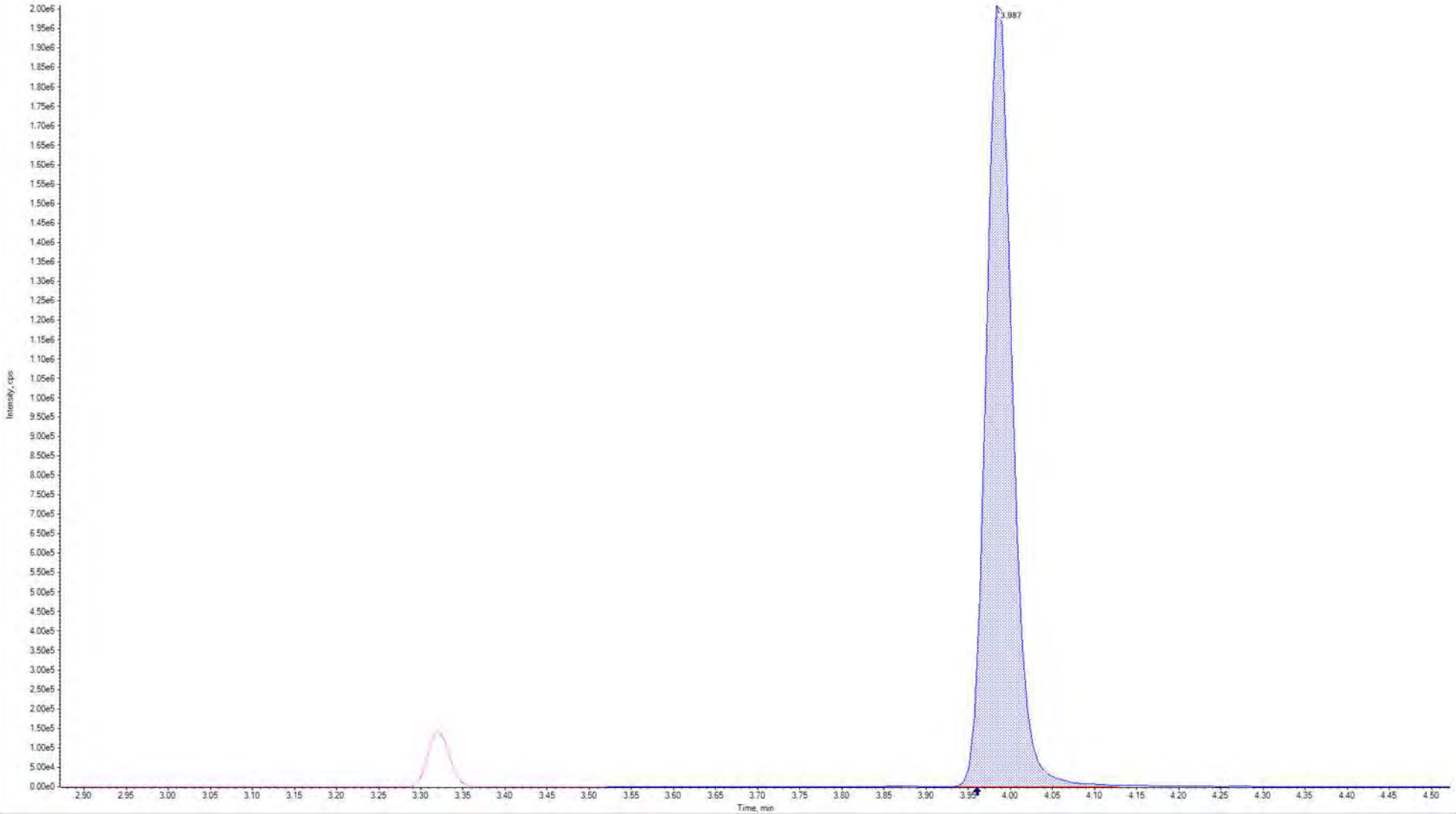
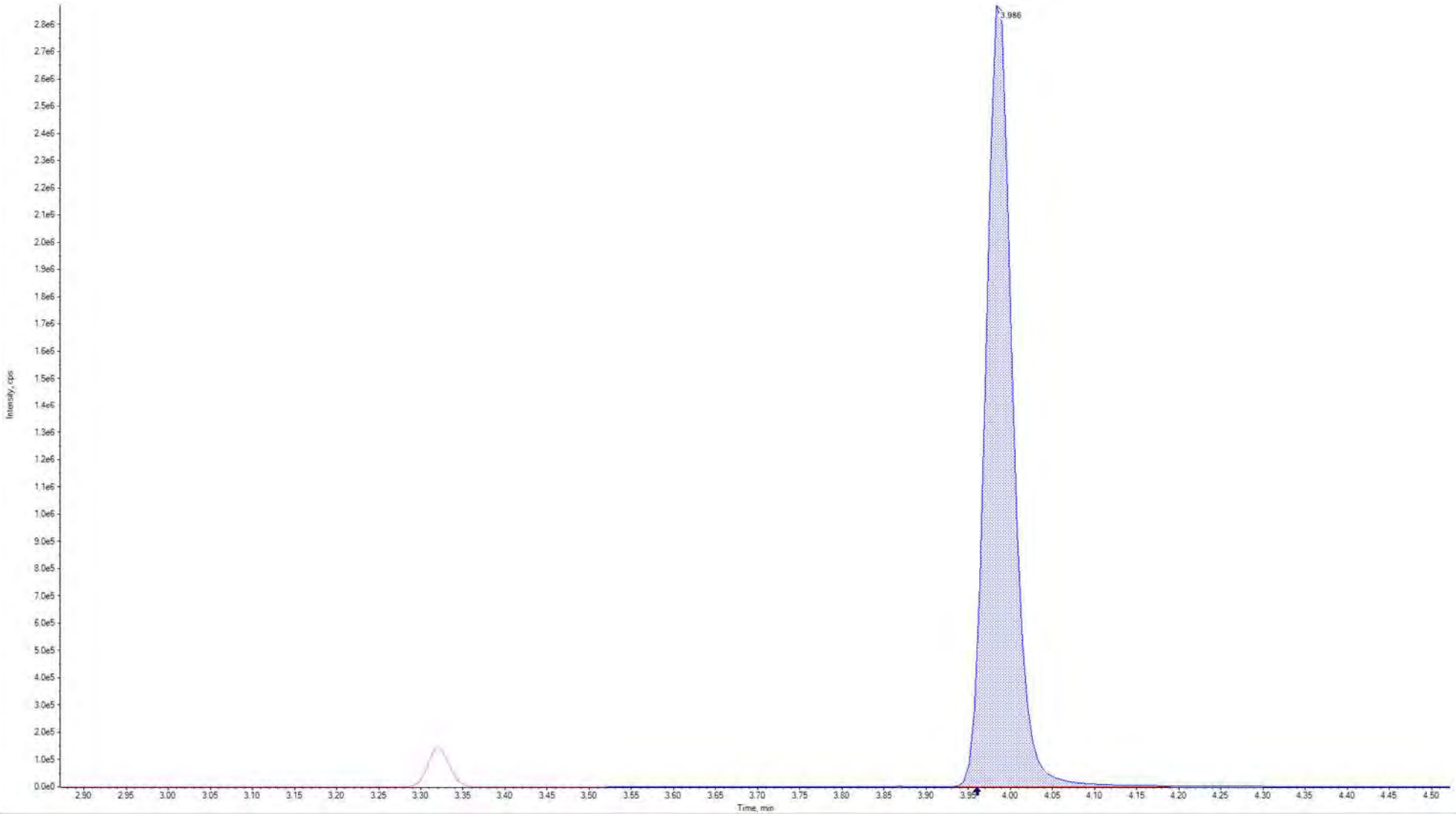
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

7:3FTCA
Sample: WG2013165-5,1633FMED S/N:55399.9 Points Across peak:34



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

7:3FTCA_2
Sample: WG2013165-5,1633FMED S/N:79123.3 Points Across peak:45



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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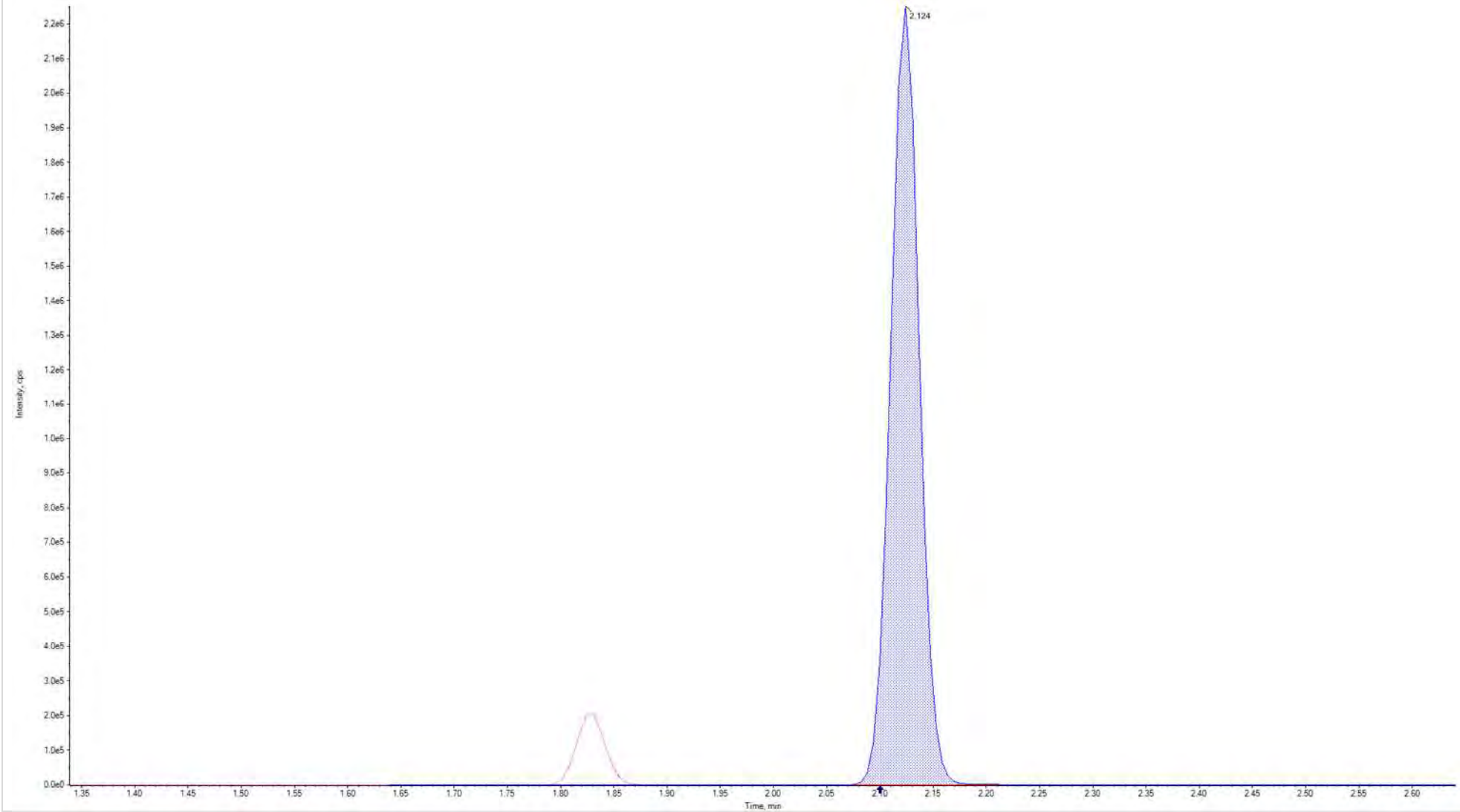
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFEESA
Sample: WG2013165-5,1633FMED S/N:7536.7 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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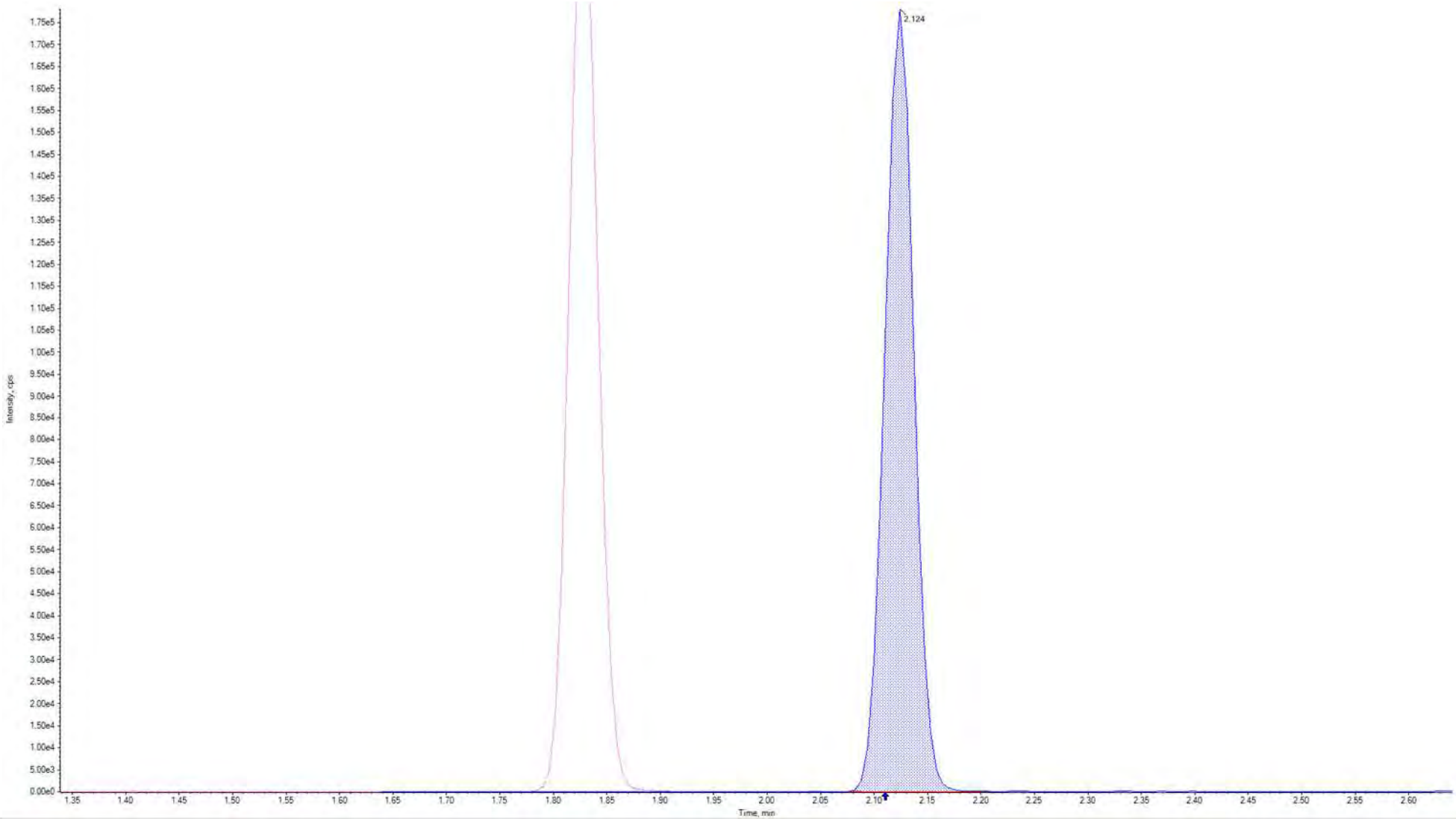
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFEESA_2
Sample: WG2013165-5,1633FMED S/N:3704.0 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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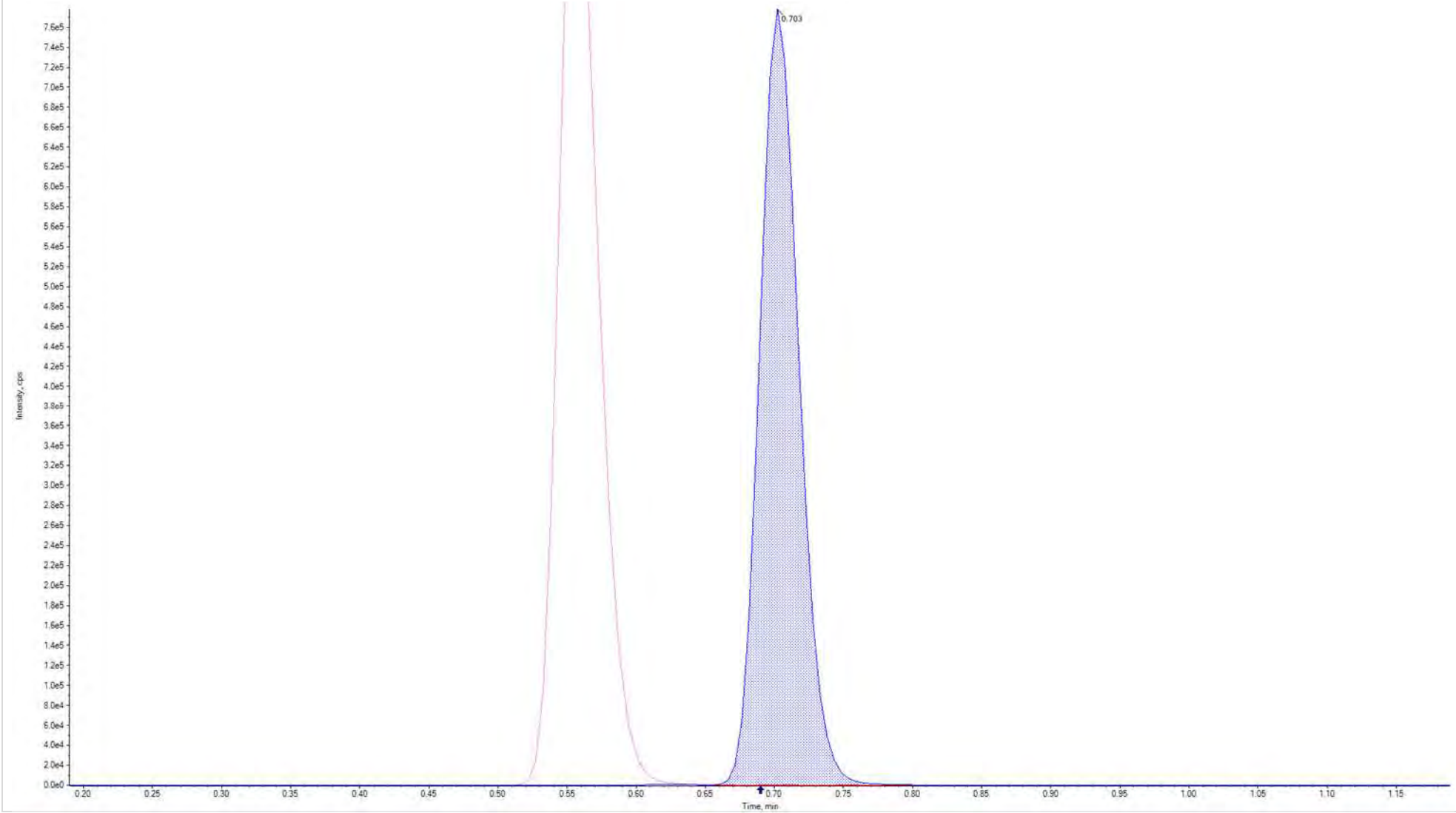
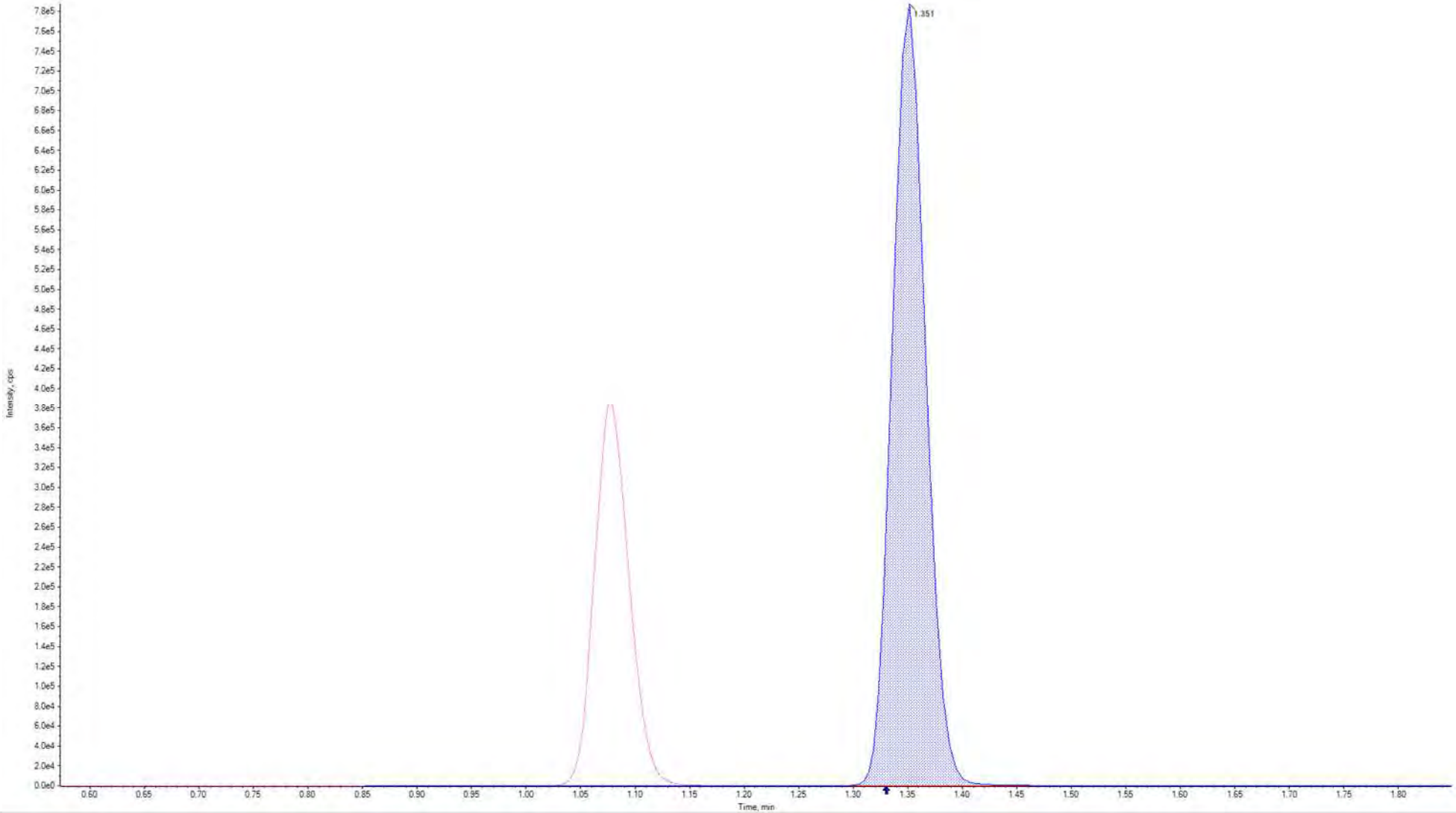
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFMPA
Sample: WG2013165-5,1633FMED S/N:14644.5 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_22.wiff2_7
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFMBA
Sample: WG2013165-5,1633FMED S/N:7619.7 Points Across peak:42



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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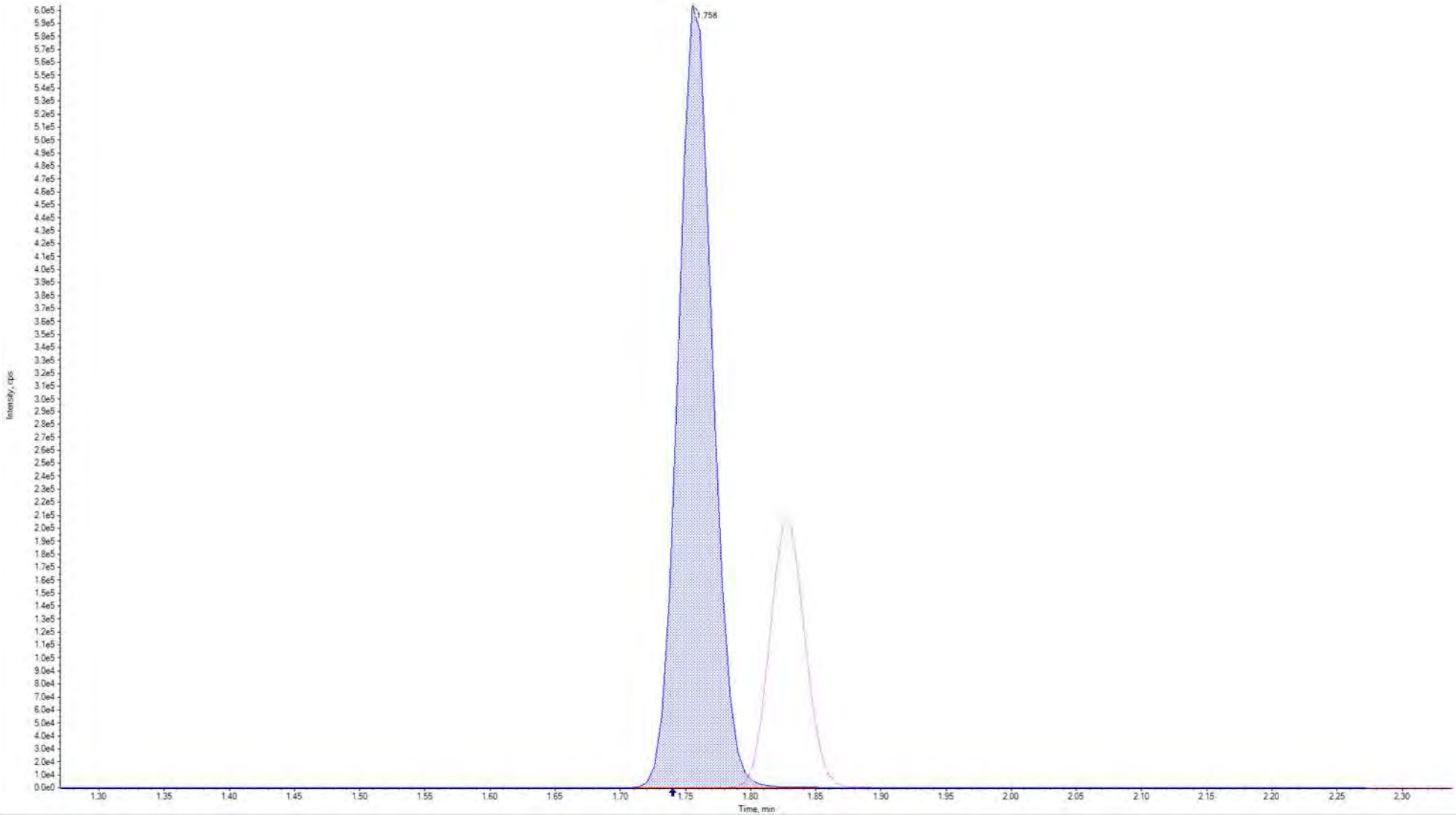
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

NFDHA
Sample: WG2013165-5,1633FMED S/N:10372.1 Points Across peak:34



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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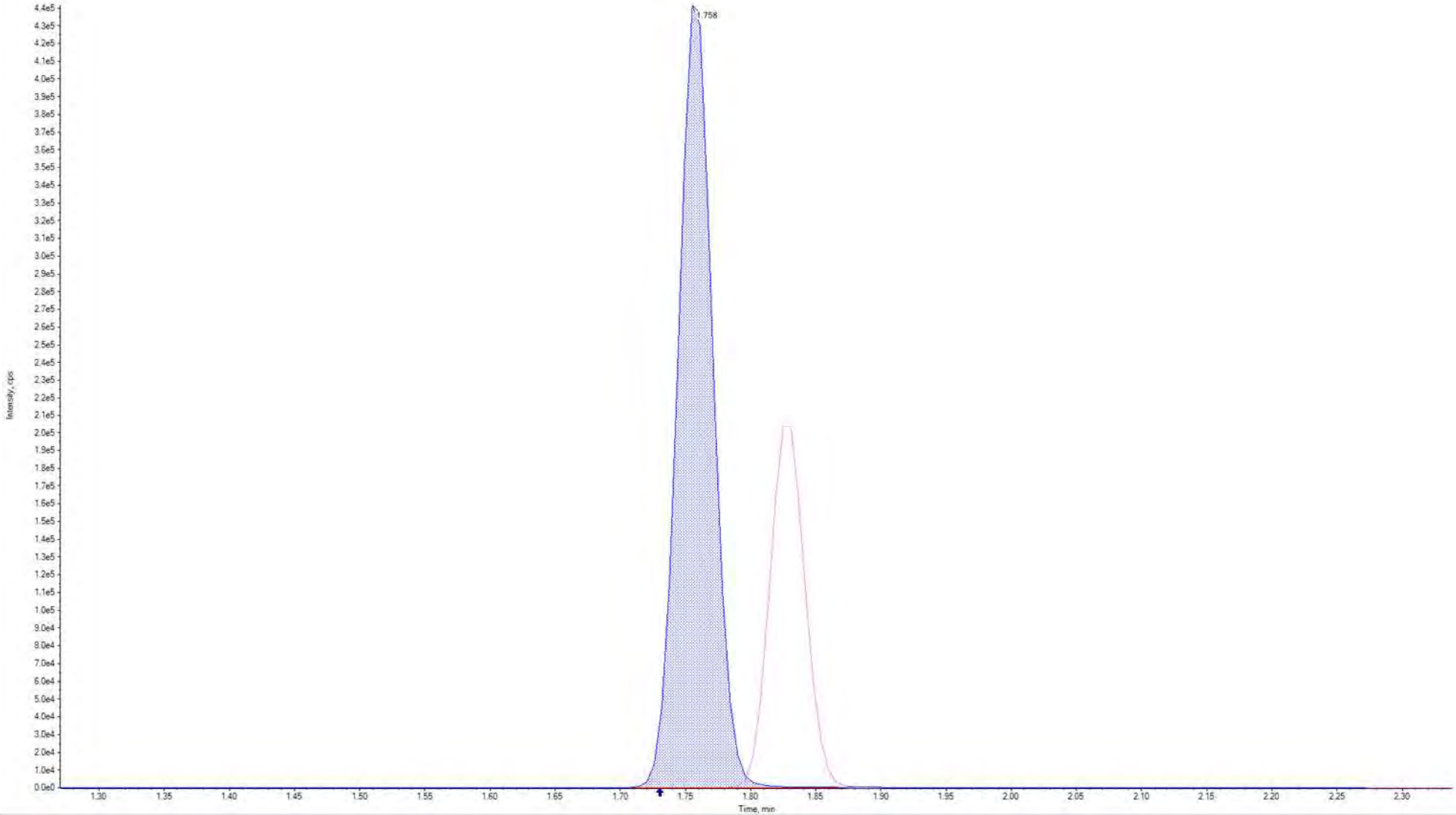
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

NFDHA_2
Sample: WG2013165-5,1633FMED S/N:6811.1 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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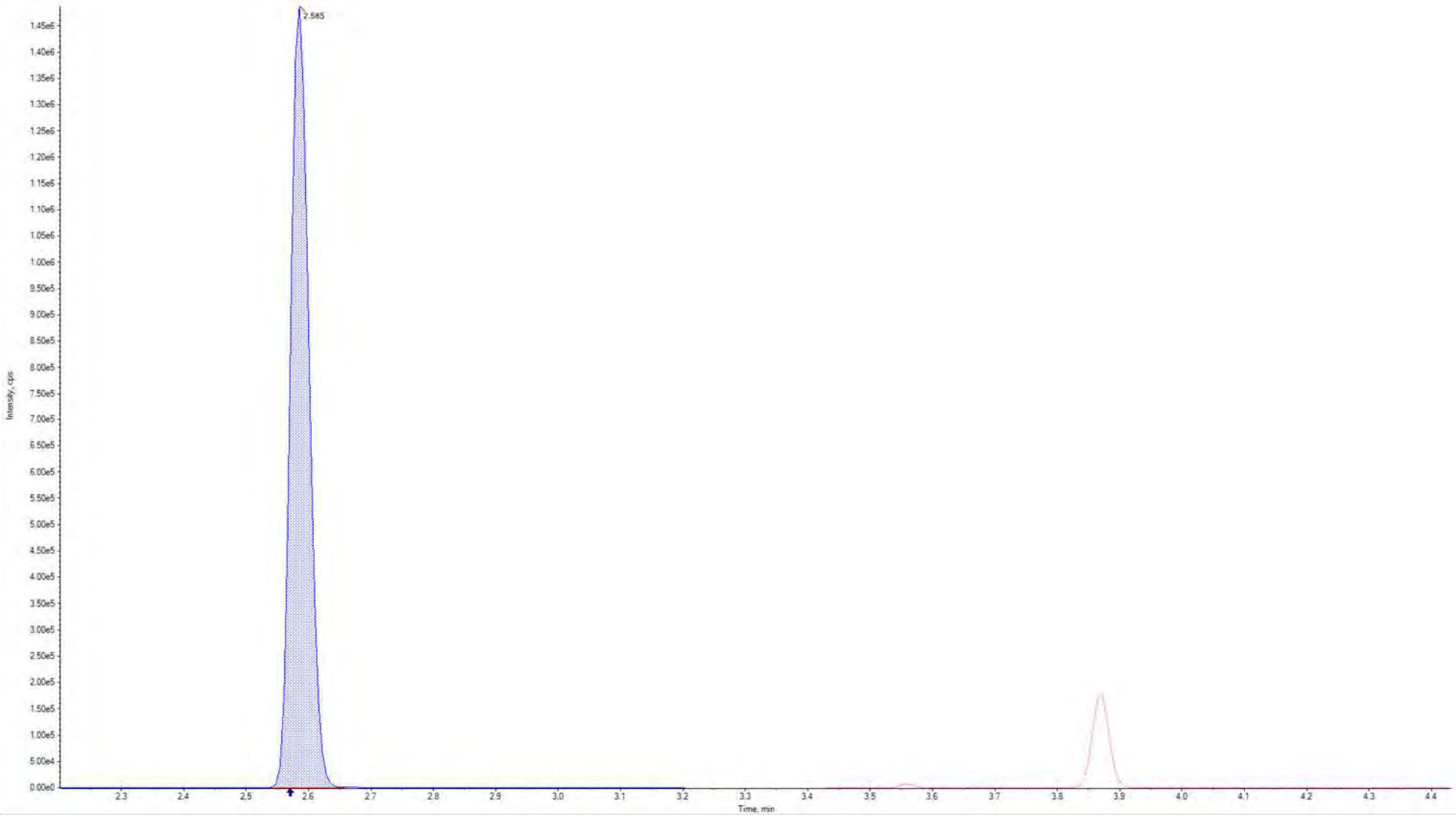
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

TDCA
Sample: WG2013165-5,1633FMED S/N:10820.7 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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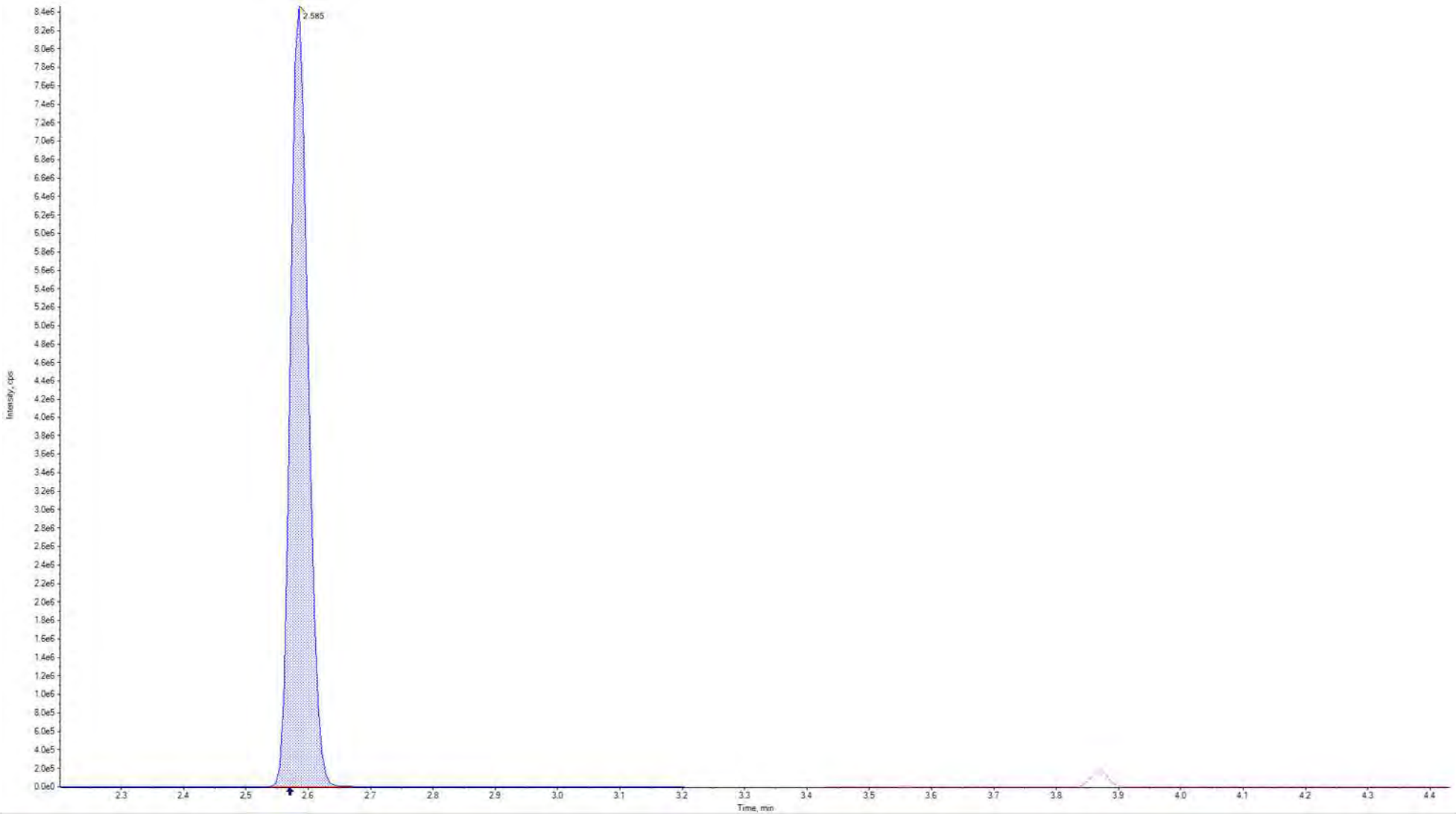
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

TDCA_2
Sample: WG2013165-5,1633FMED S/N:7910.8 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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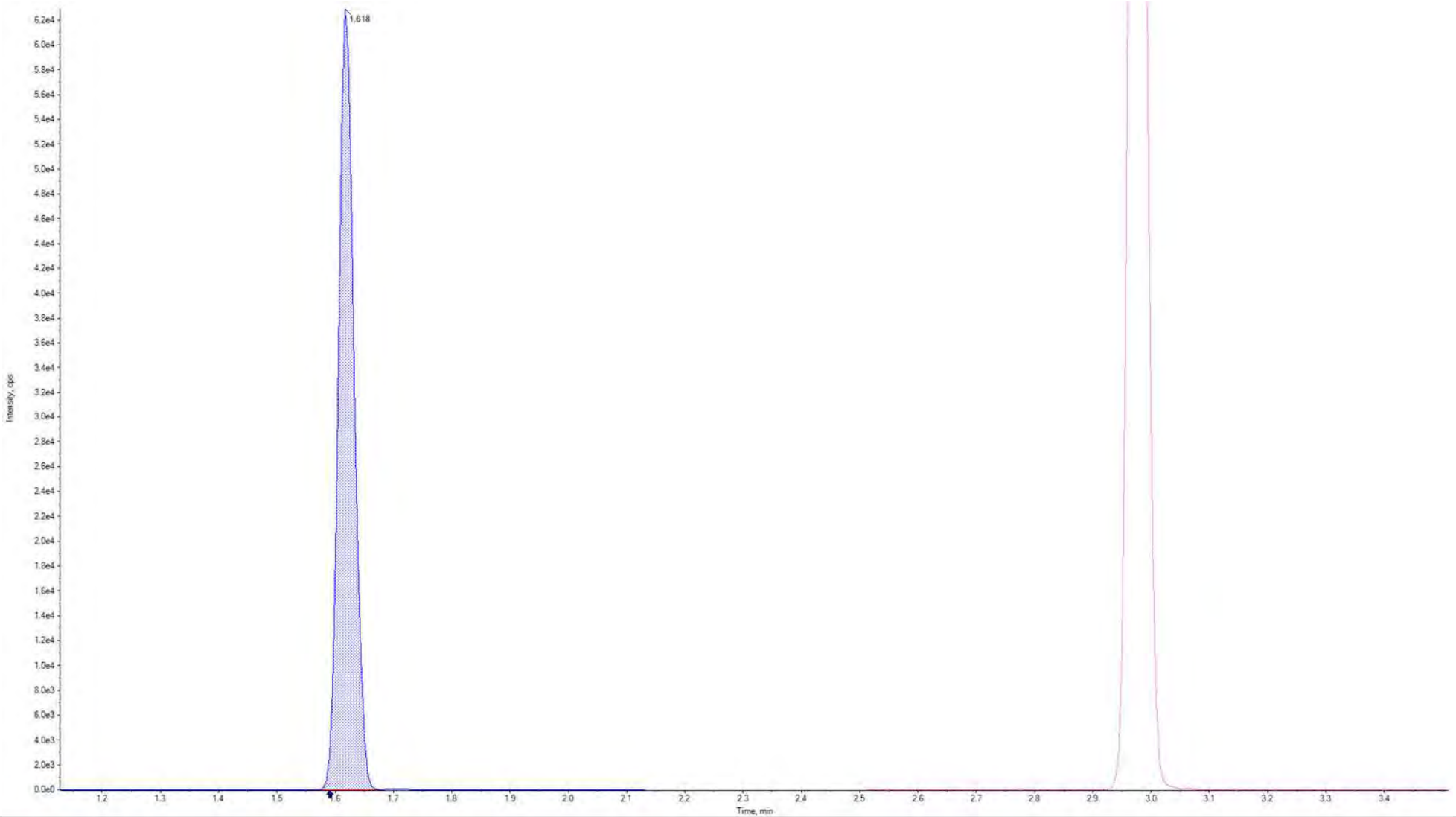
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

13C2D4-4:2FTS
Sample: WG2013165-5,1633FMED S/N:2364.0 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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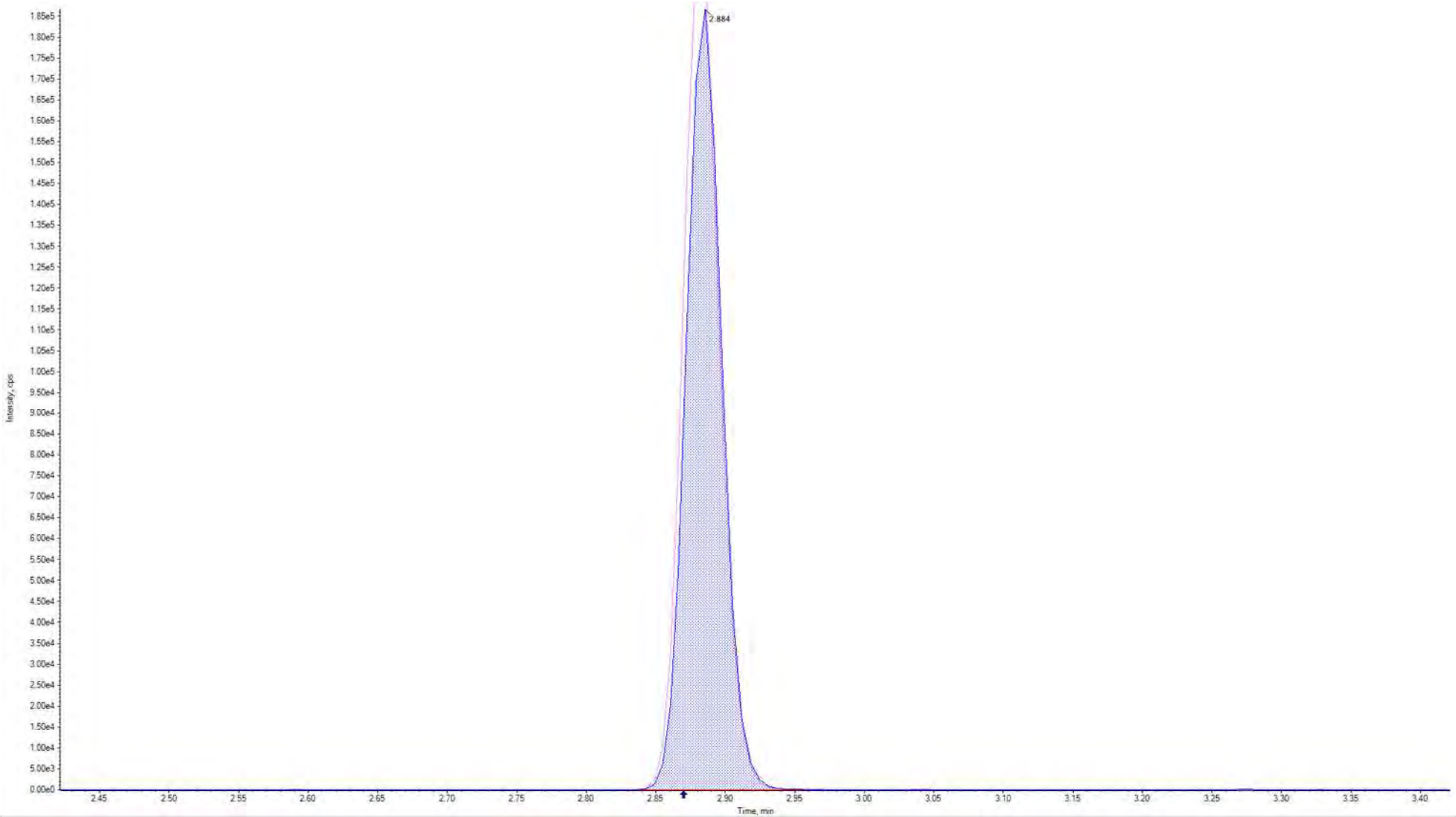
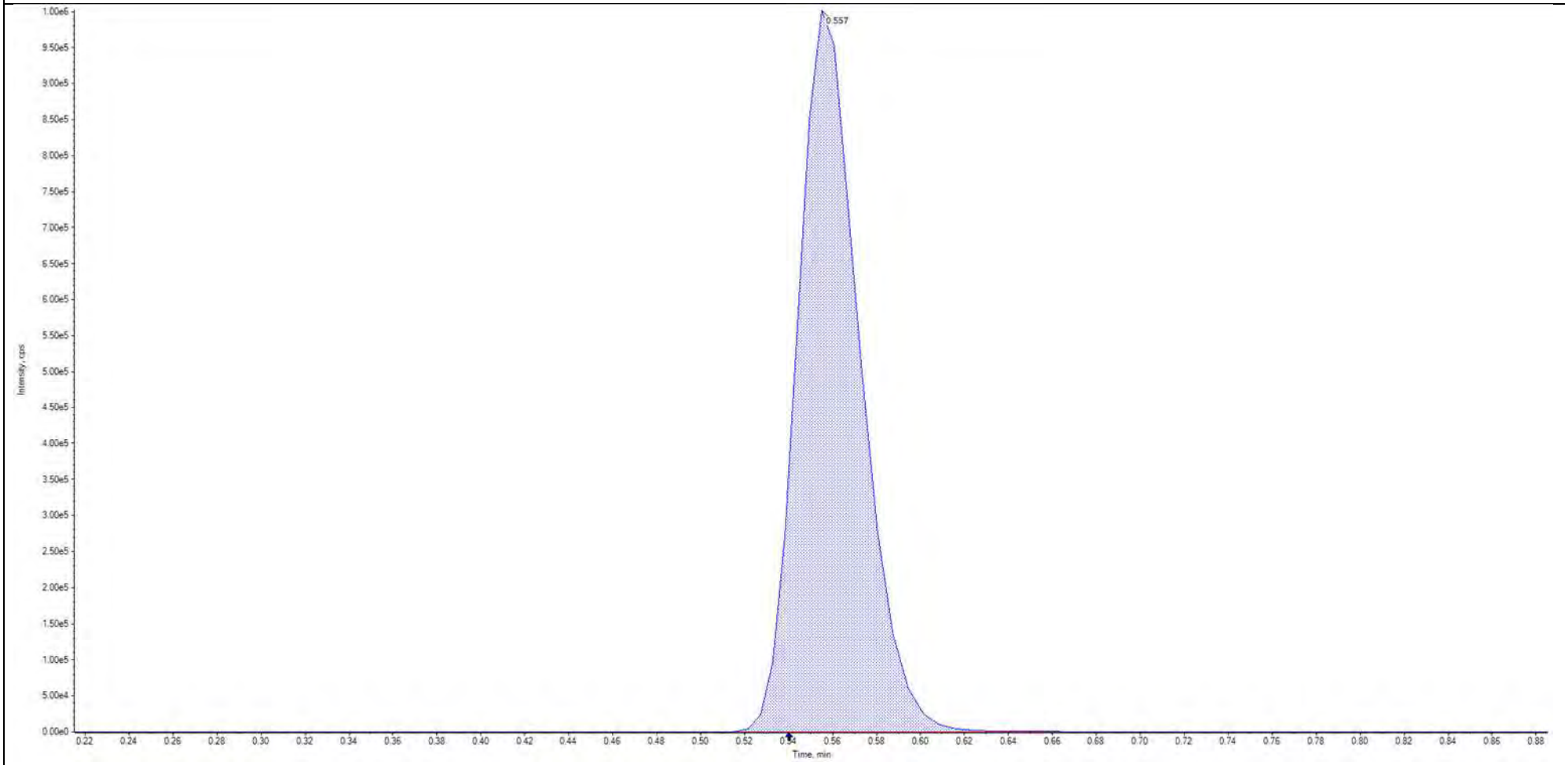
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

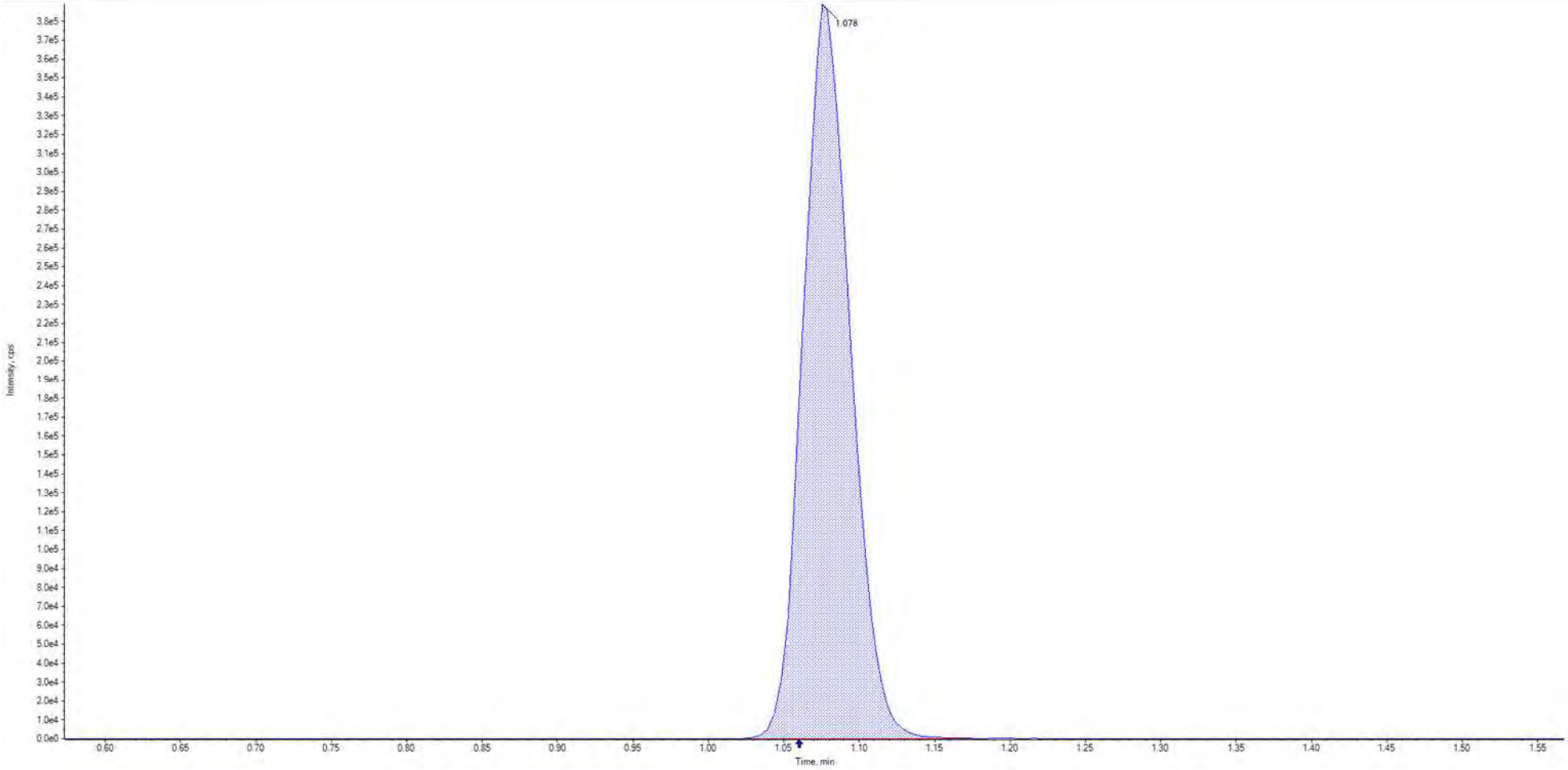
13C2-PFOA
Sample: WG2013165-5,1633FMED S/N:4211.5 Points Across peak:26



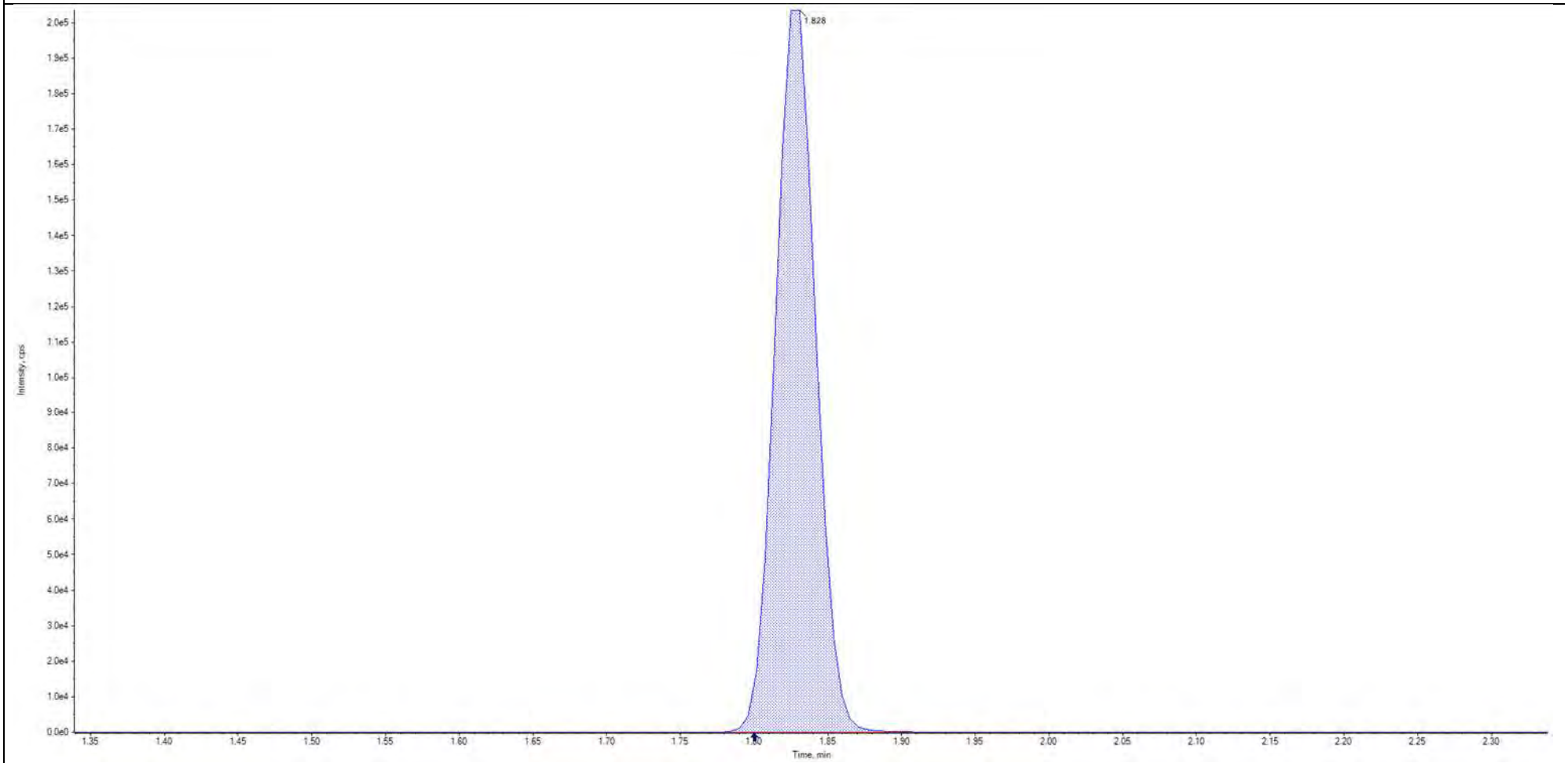
13C4-PFBA
Sample: WG2013165-5,1633FMED



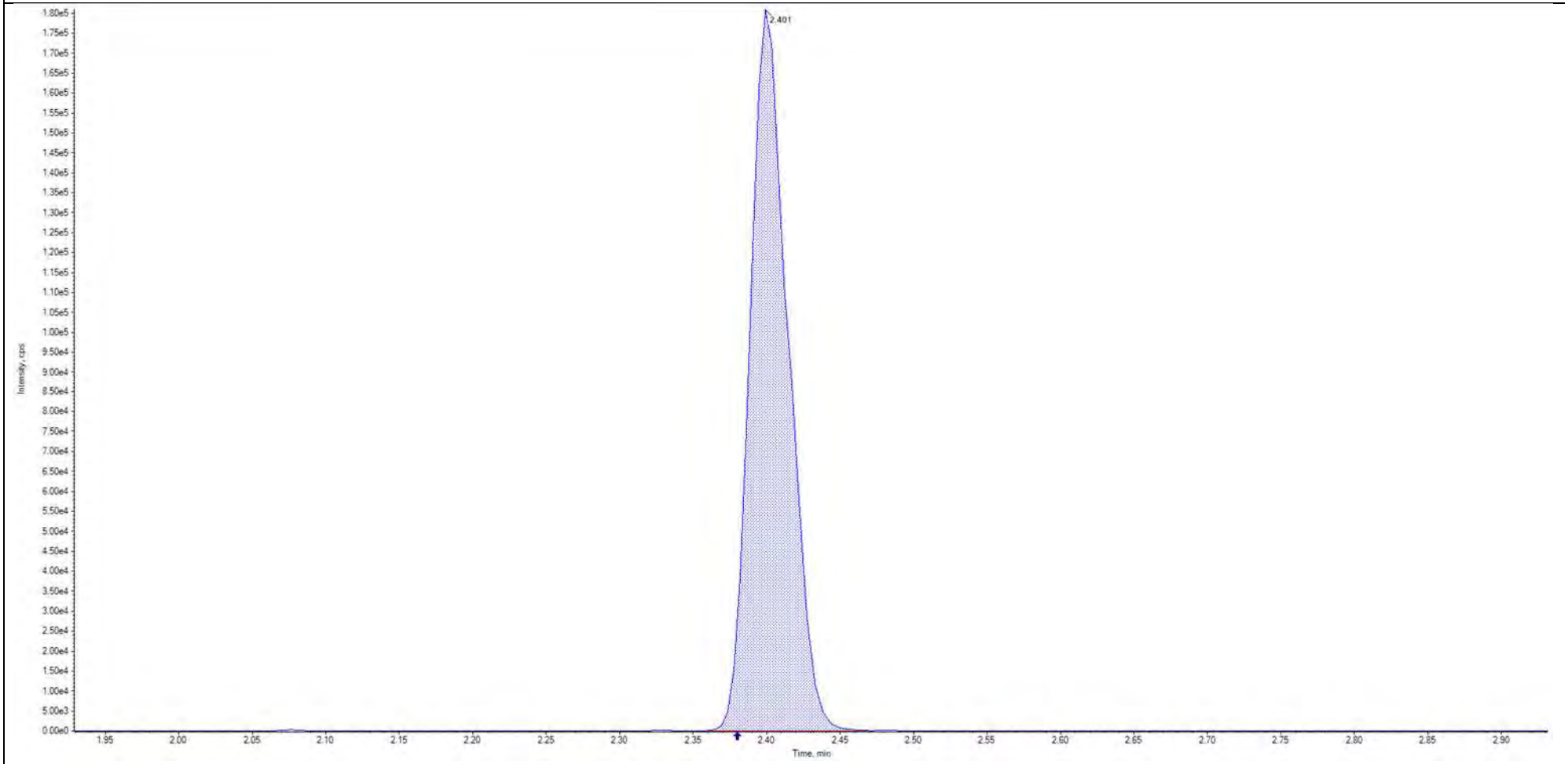
13C5-PFPeA
Sample: WG2013165-5,1633FMED



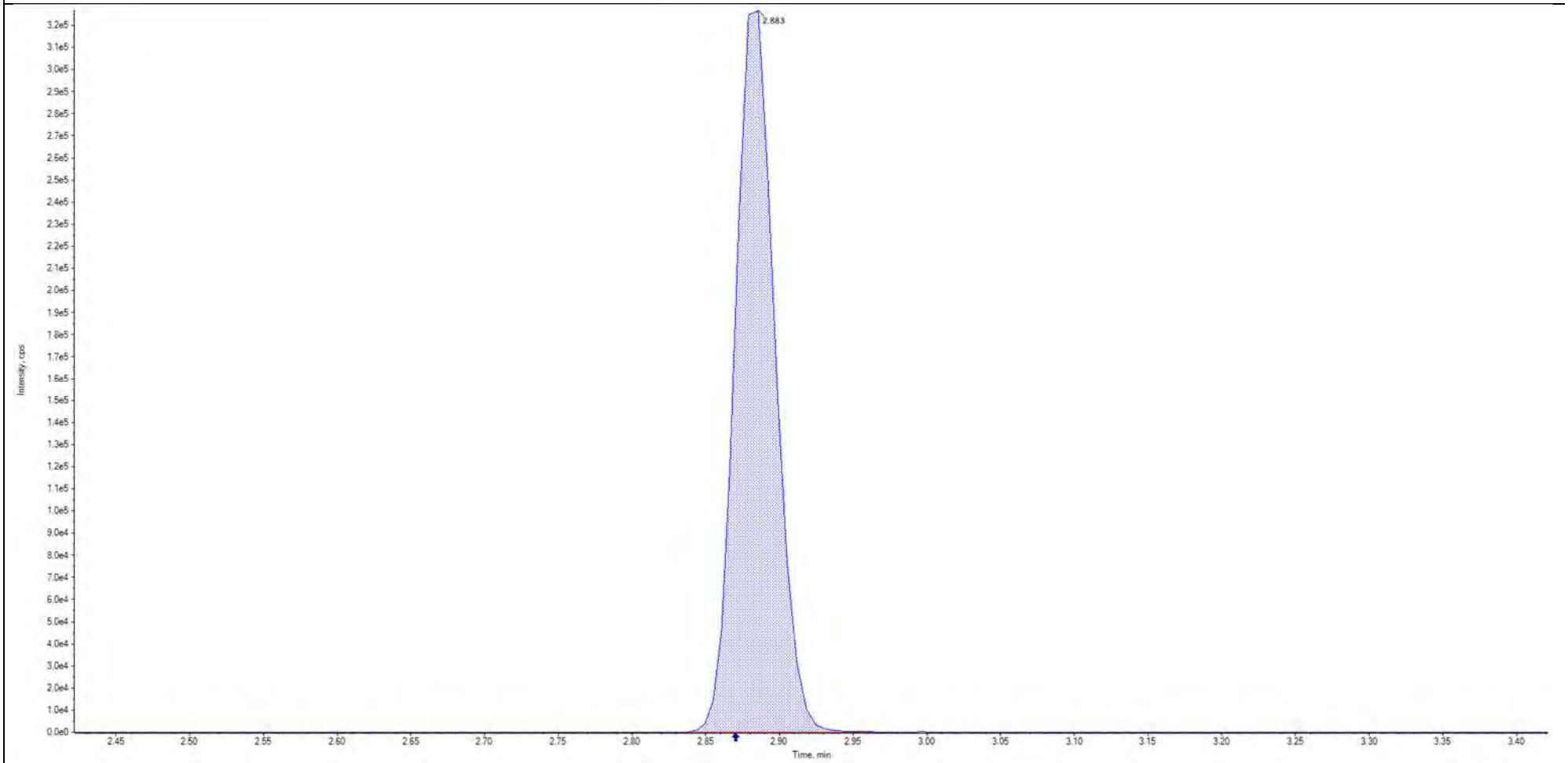
13C5-PFHxA
Sample: WG2013165-5,1633FMED



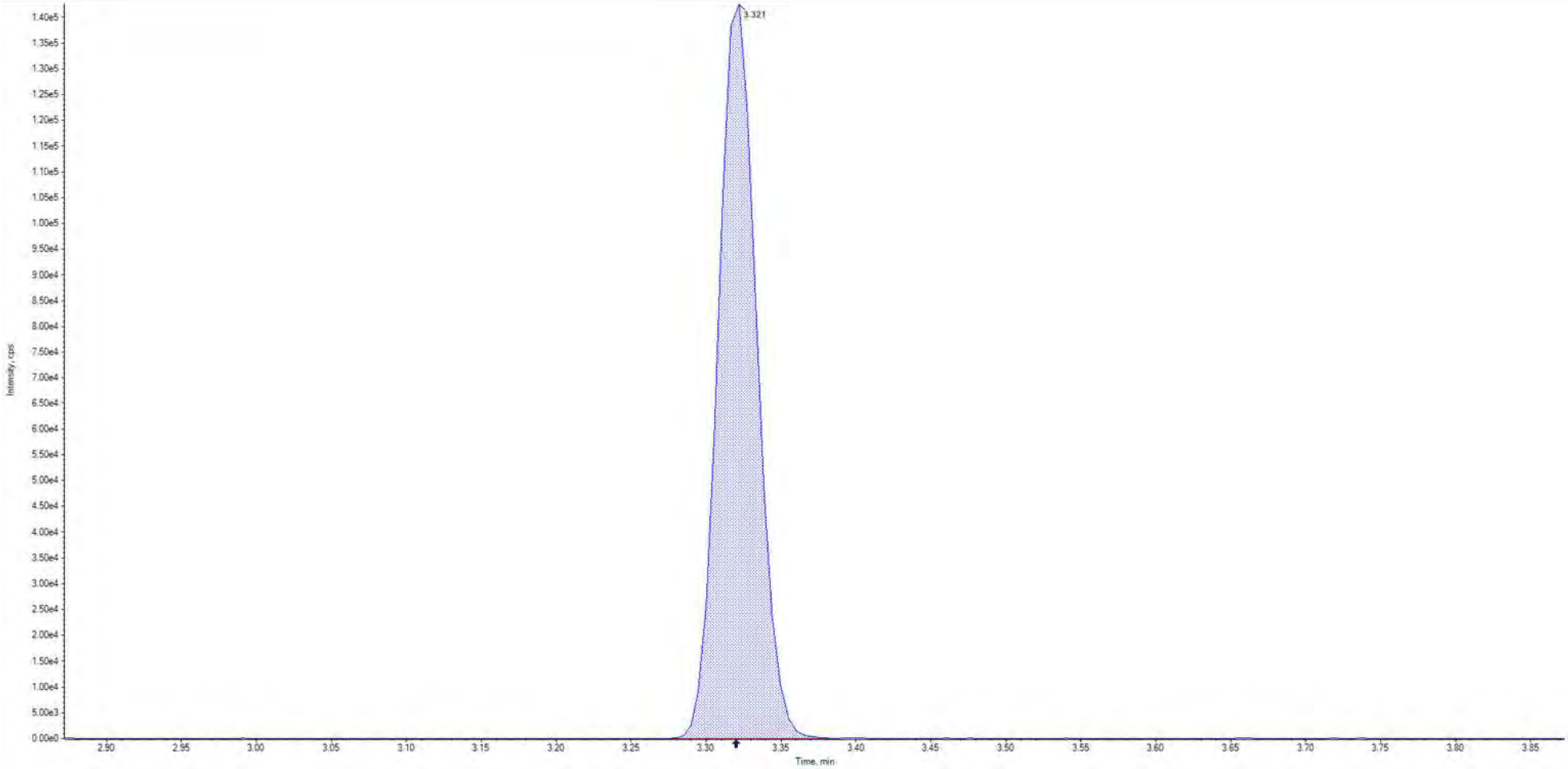
13C4-PFHpA
Sample: WG2013165-5,1633FMED



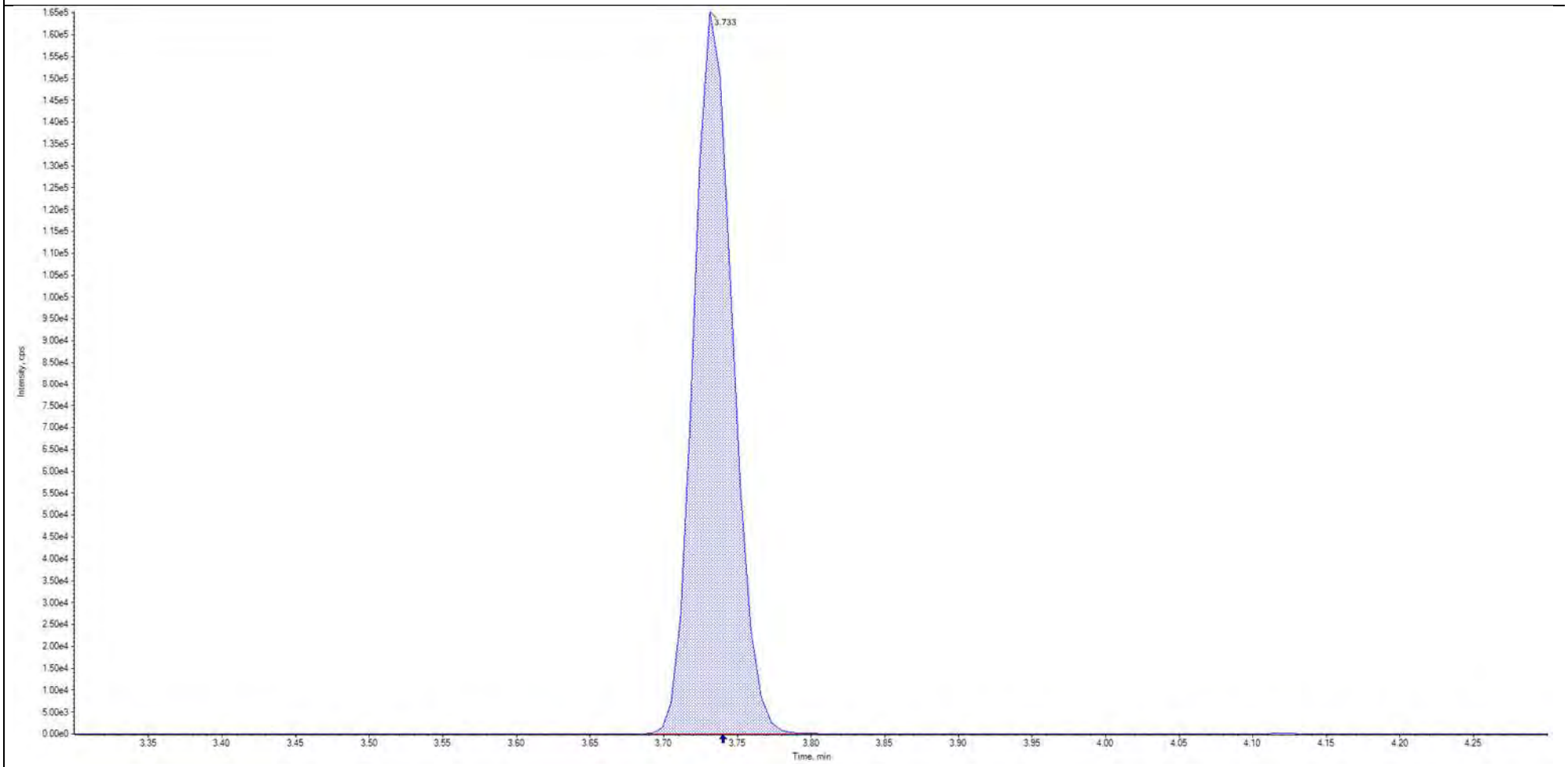
13C8-PFOA
Sample: WG2013165-5,1633FMED



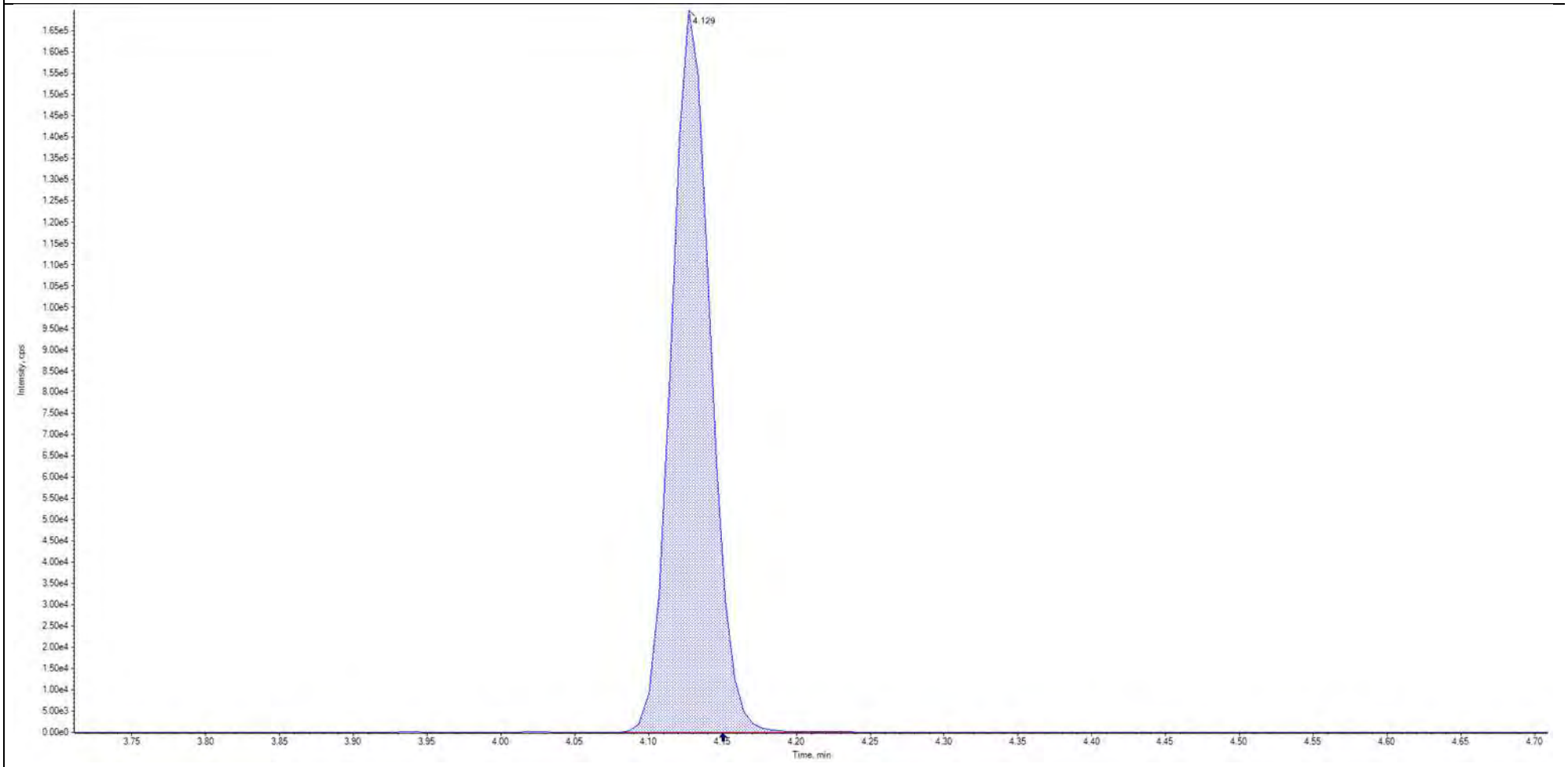
13C9-PFNA
Sample: WG2013165-5,1633FMED



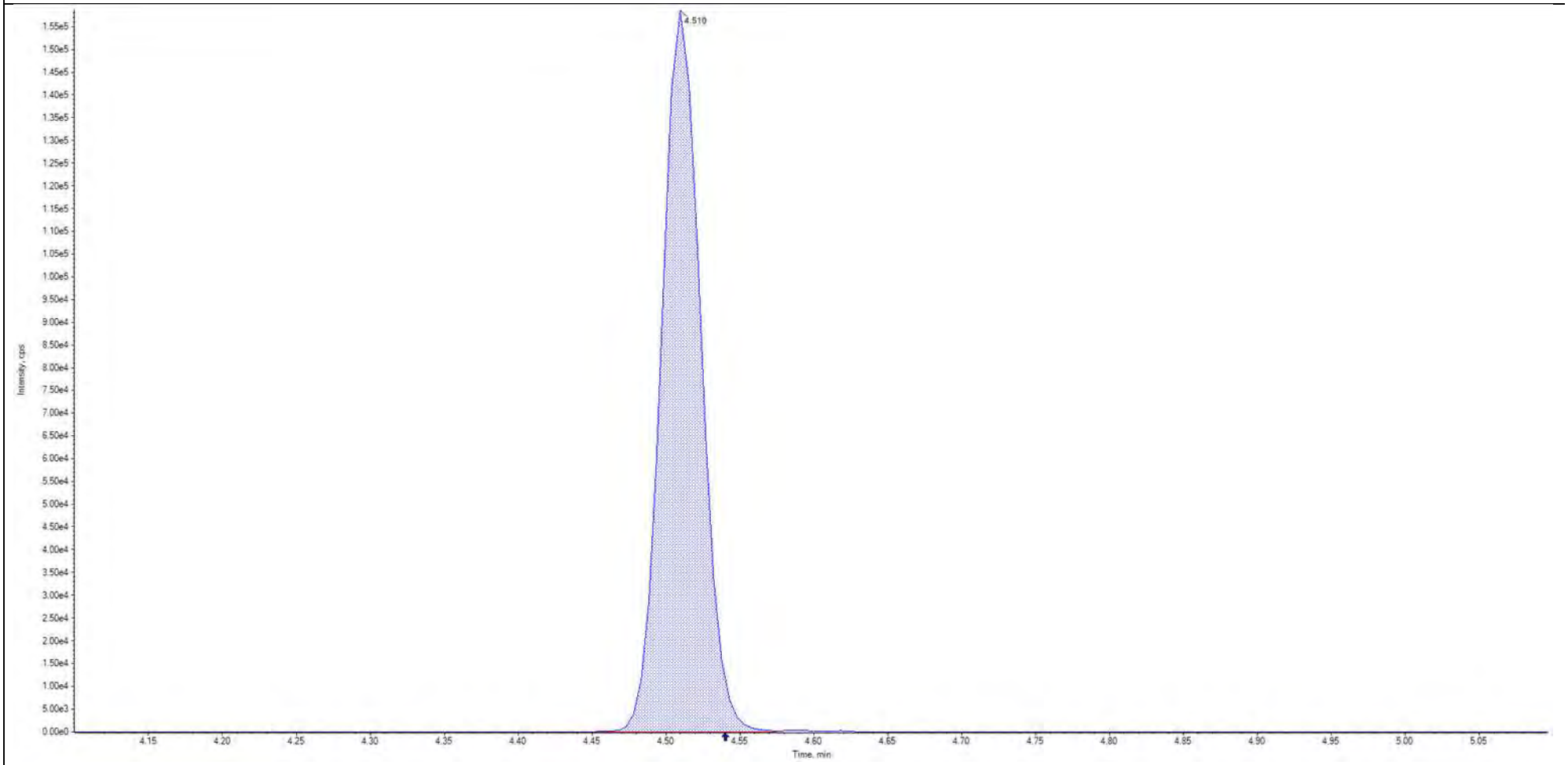
13C6-PFDA
Sample: WG2013165-5,1633FMED



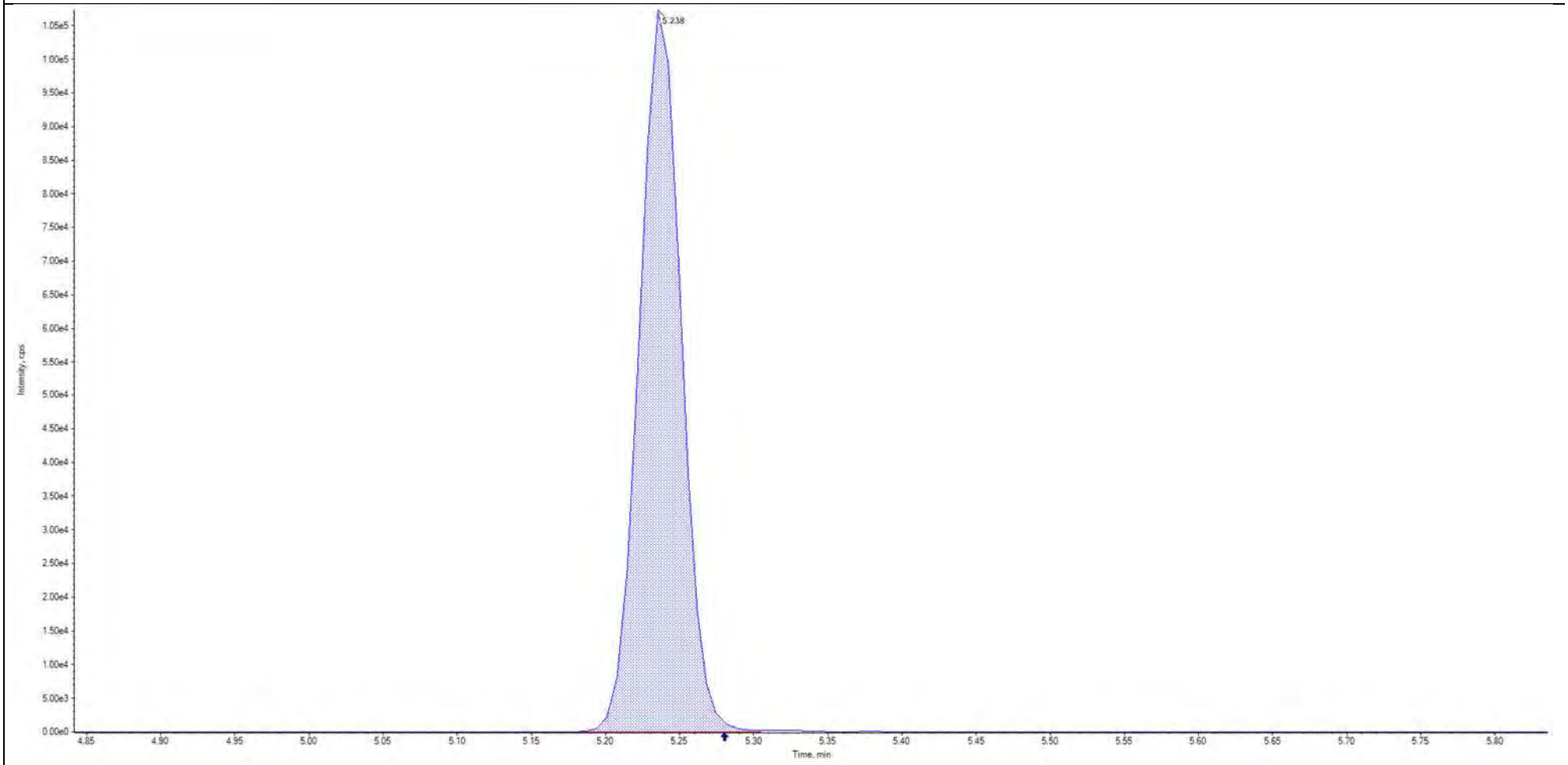
13C7-PFUnA
Sample: WG2013165-5,1633FMED



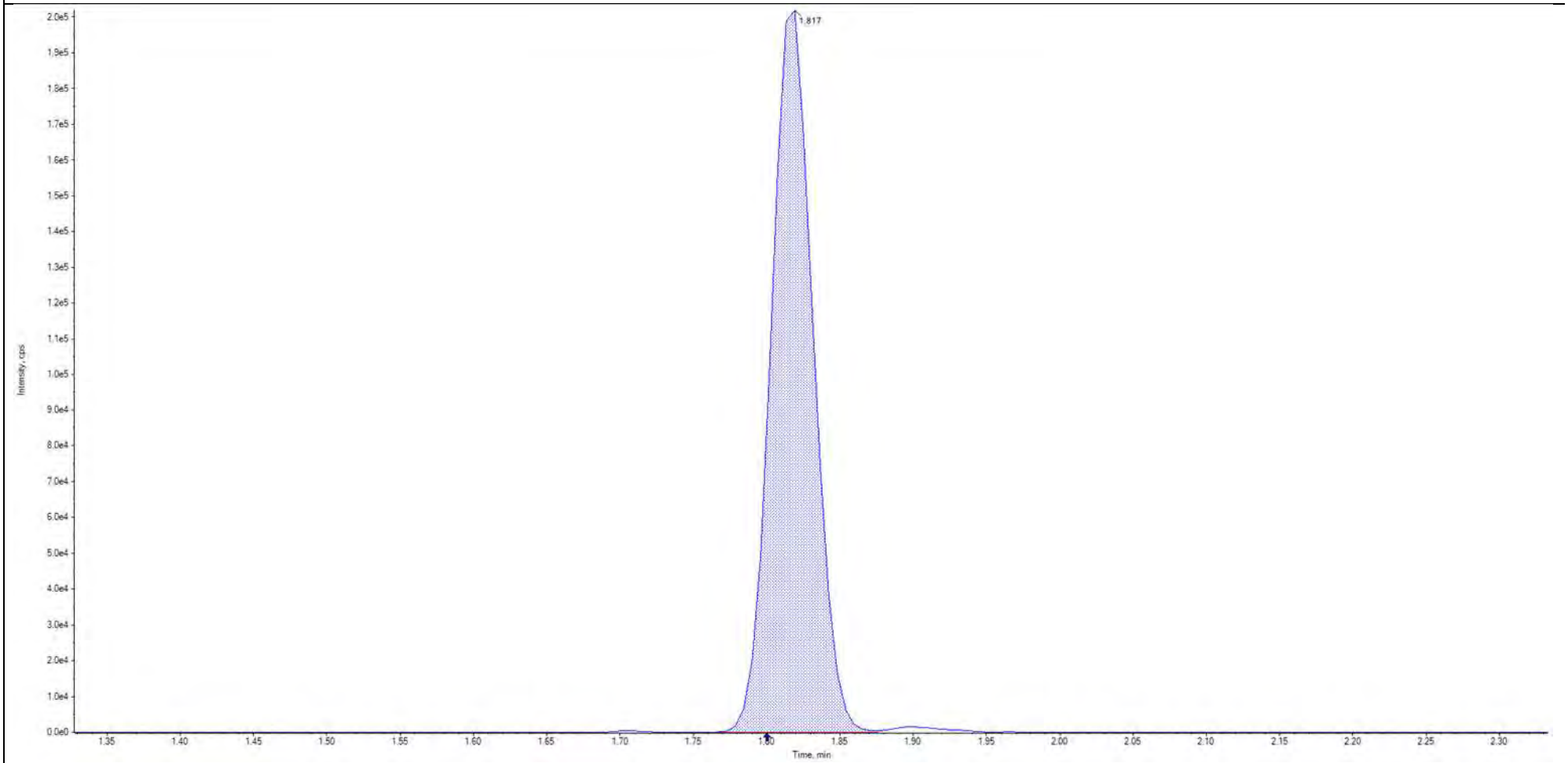
13C2-PFDoA
Sample: WG2013165-5,1633FMED



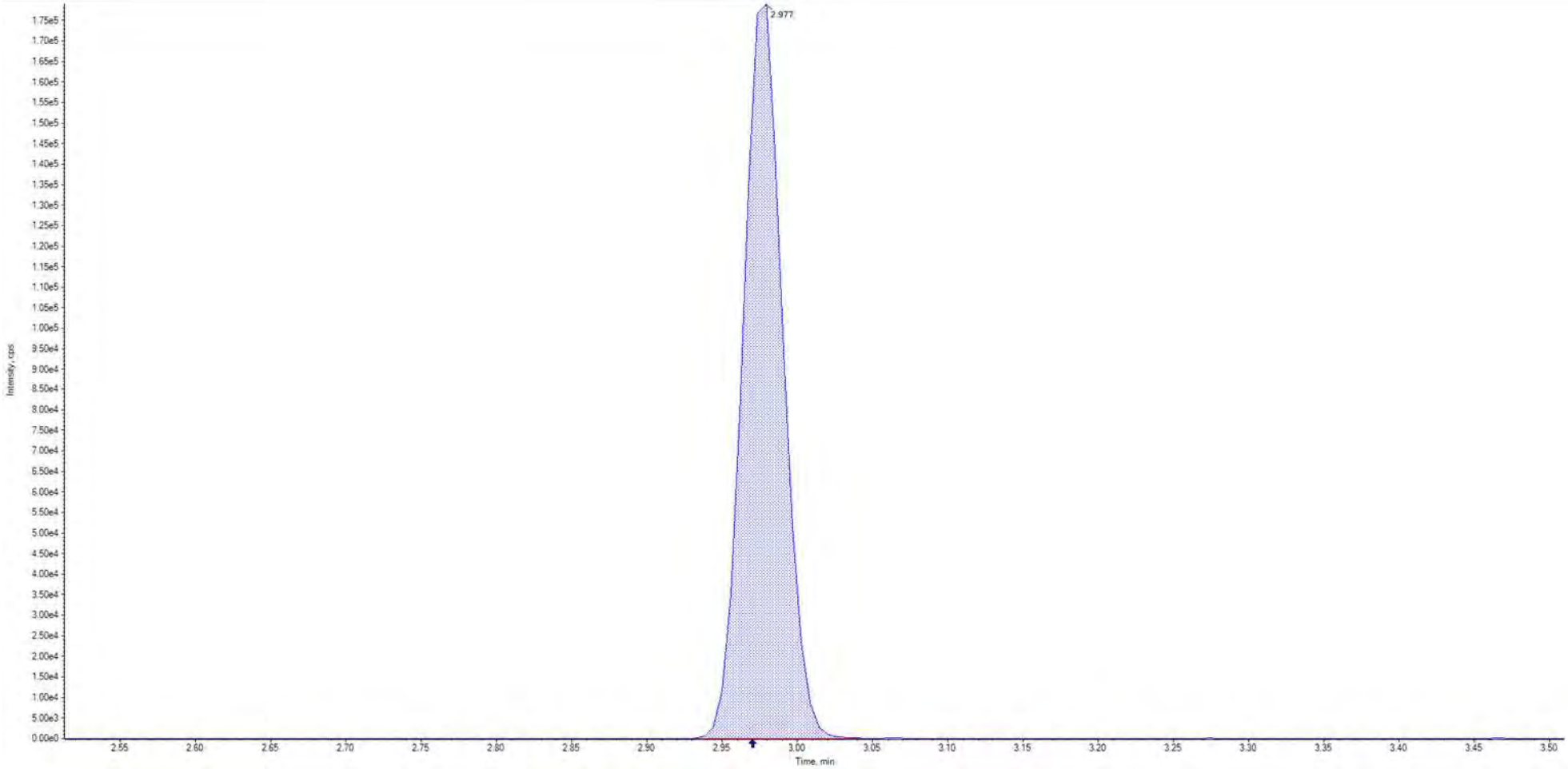
13C2-PFTeDA
Sample: WG2013165-5,1633FMED



13C3-PFBS
Sample: WG2013165-5,1633FMED



13C3-PFHxS
Sample: WG2013165-5,1633FMED



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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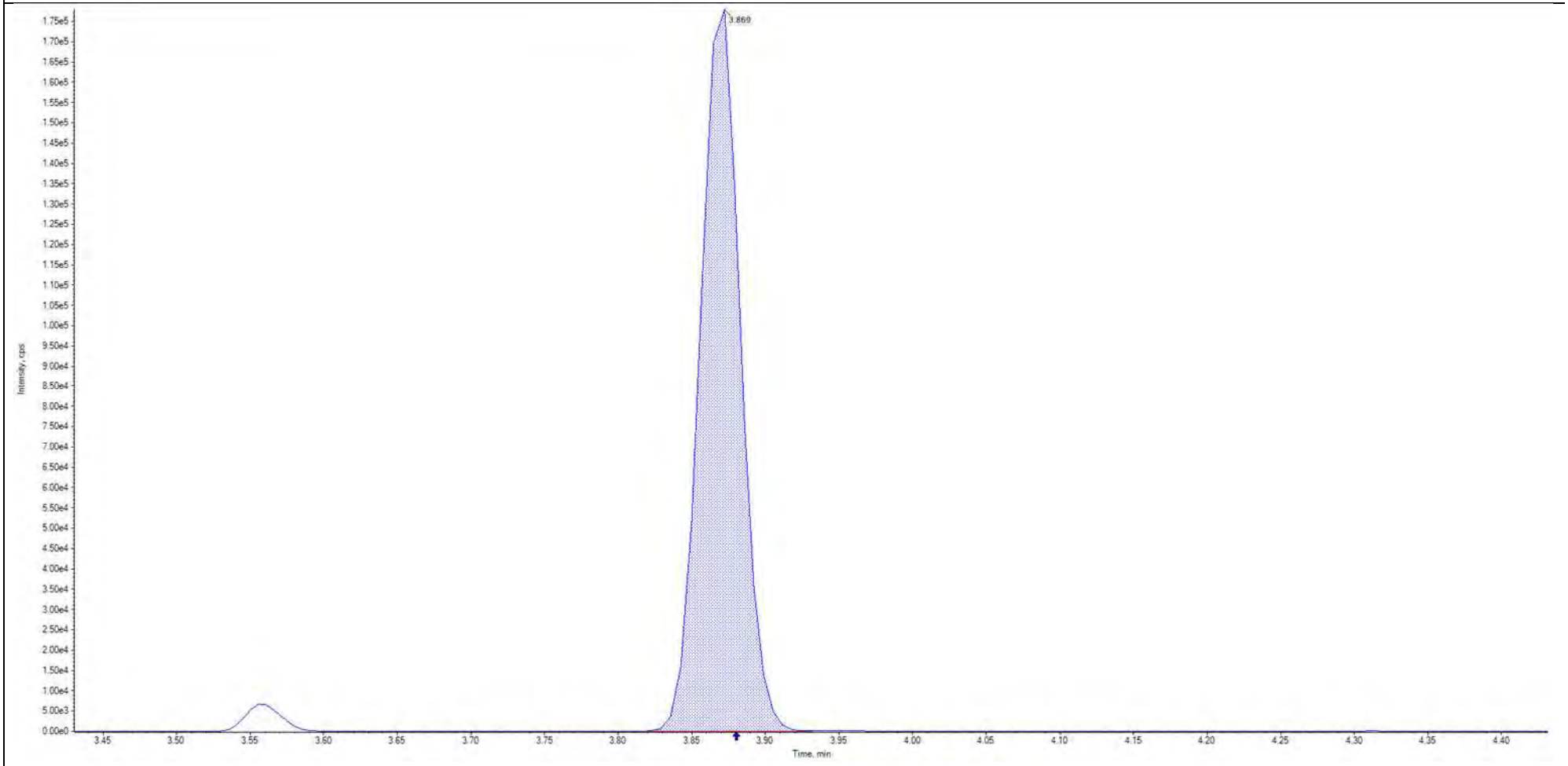
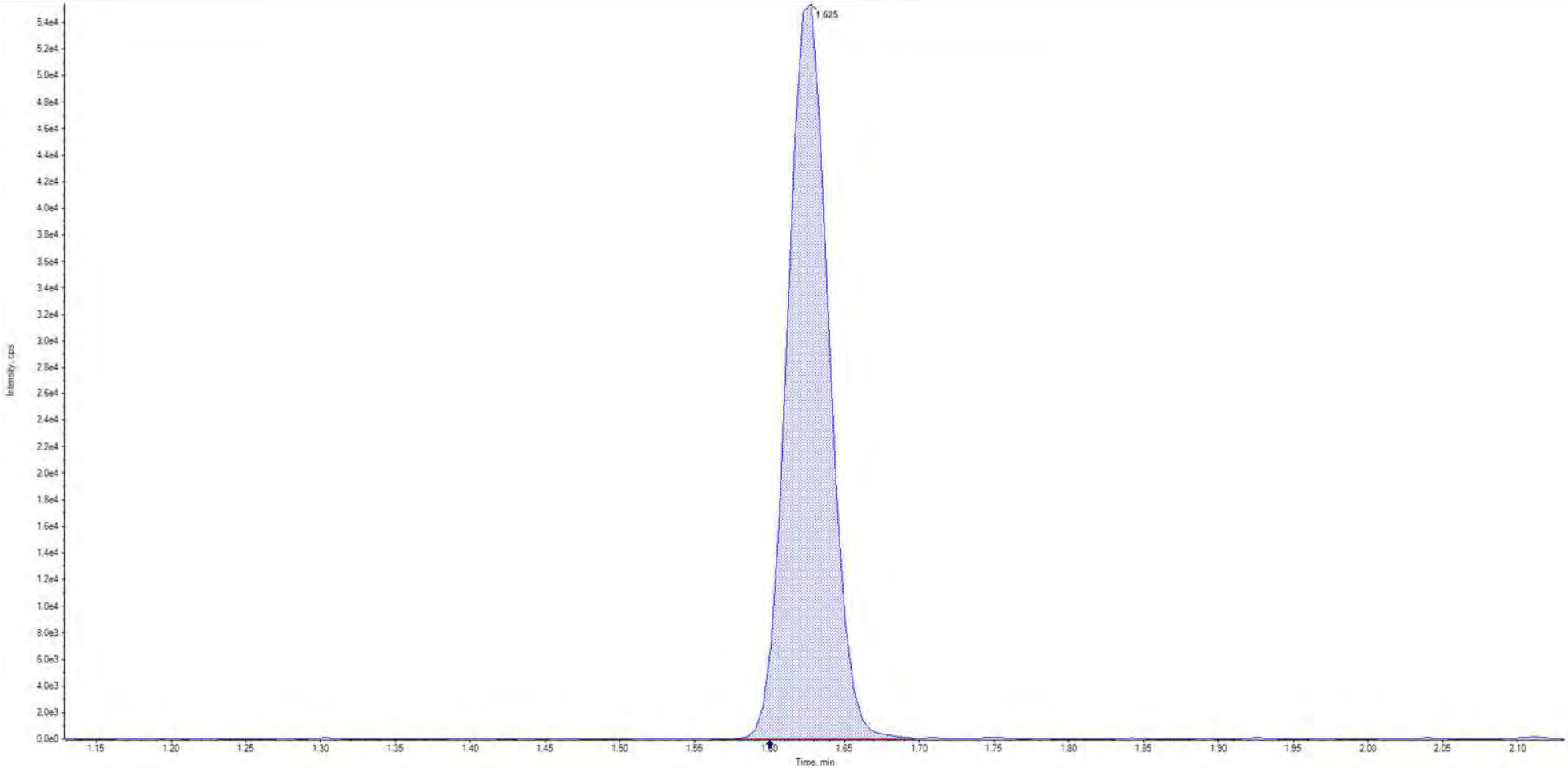
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

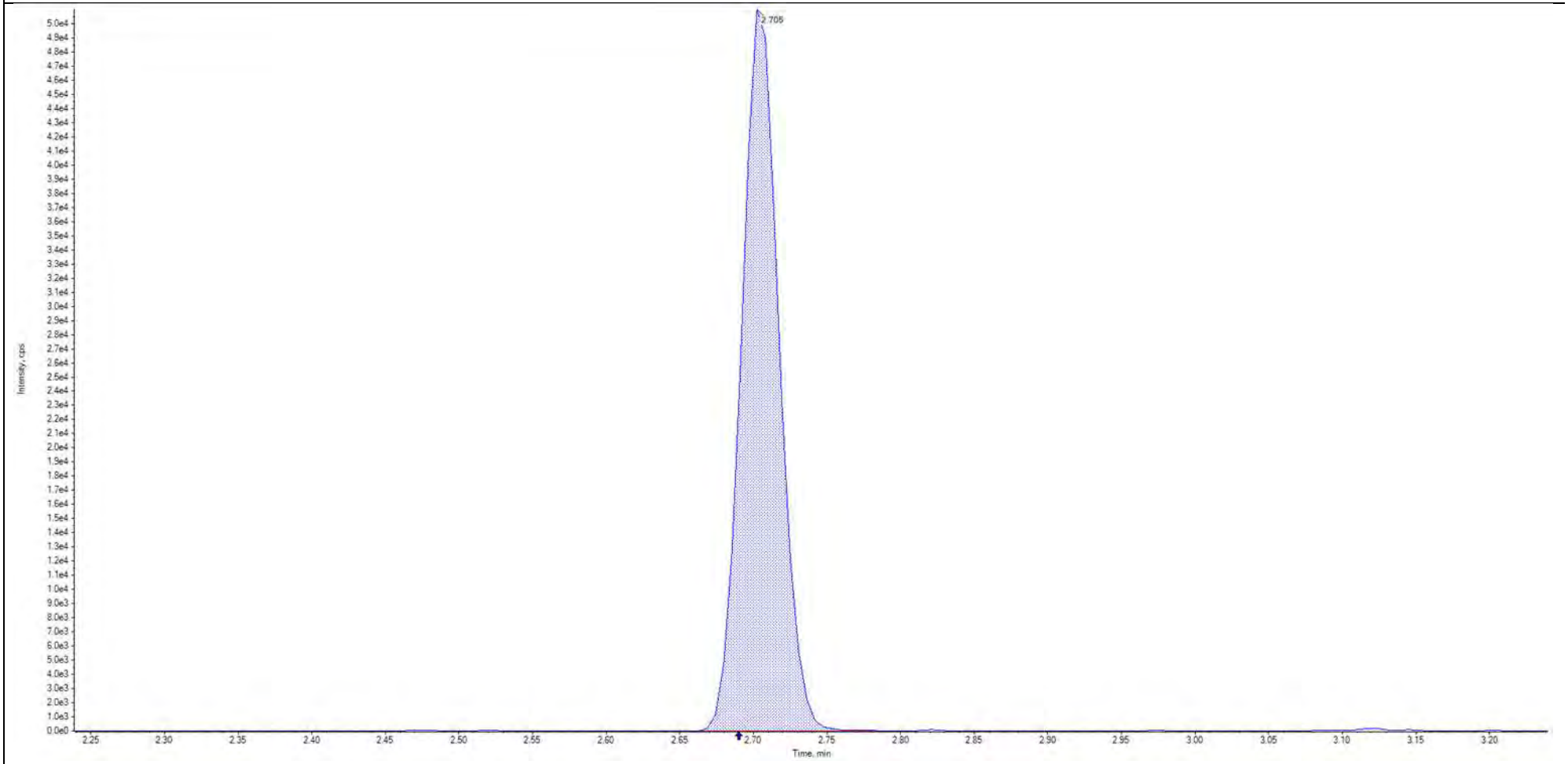
13C8-PFOS
Sample: WG2013165-5,1633FMED



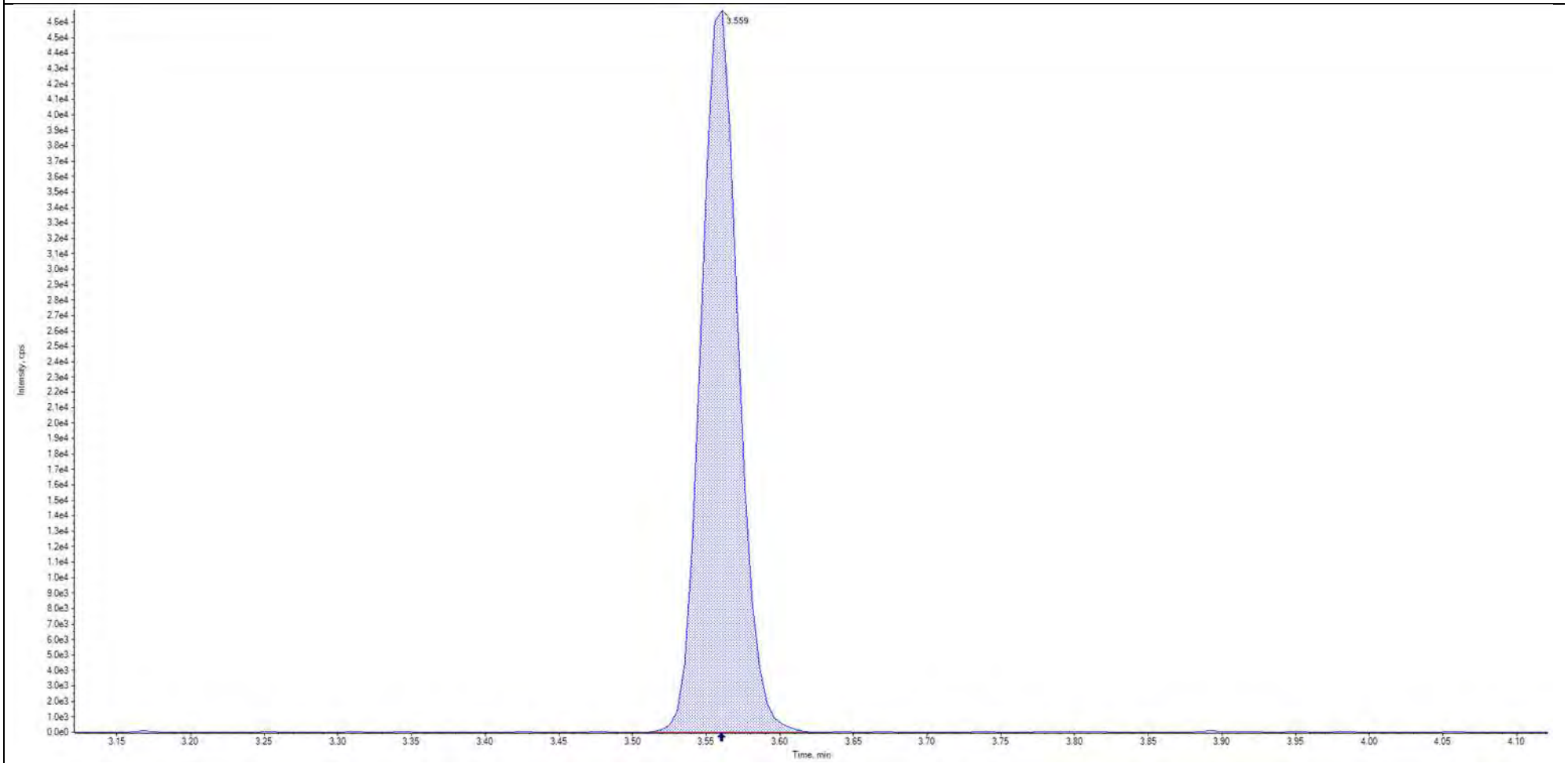
13C2-4:2FTS
Sample: WG2013165-5,1633FMED



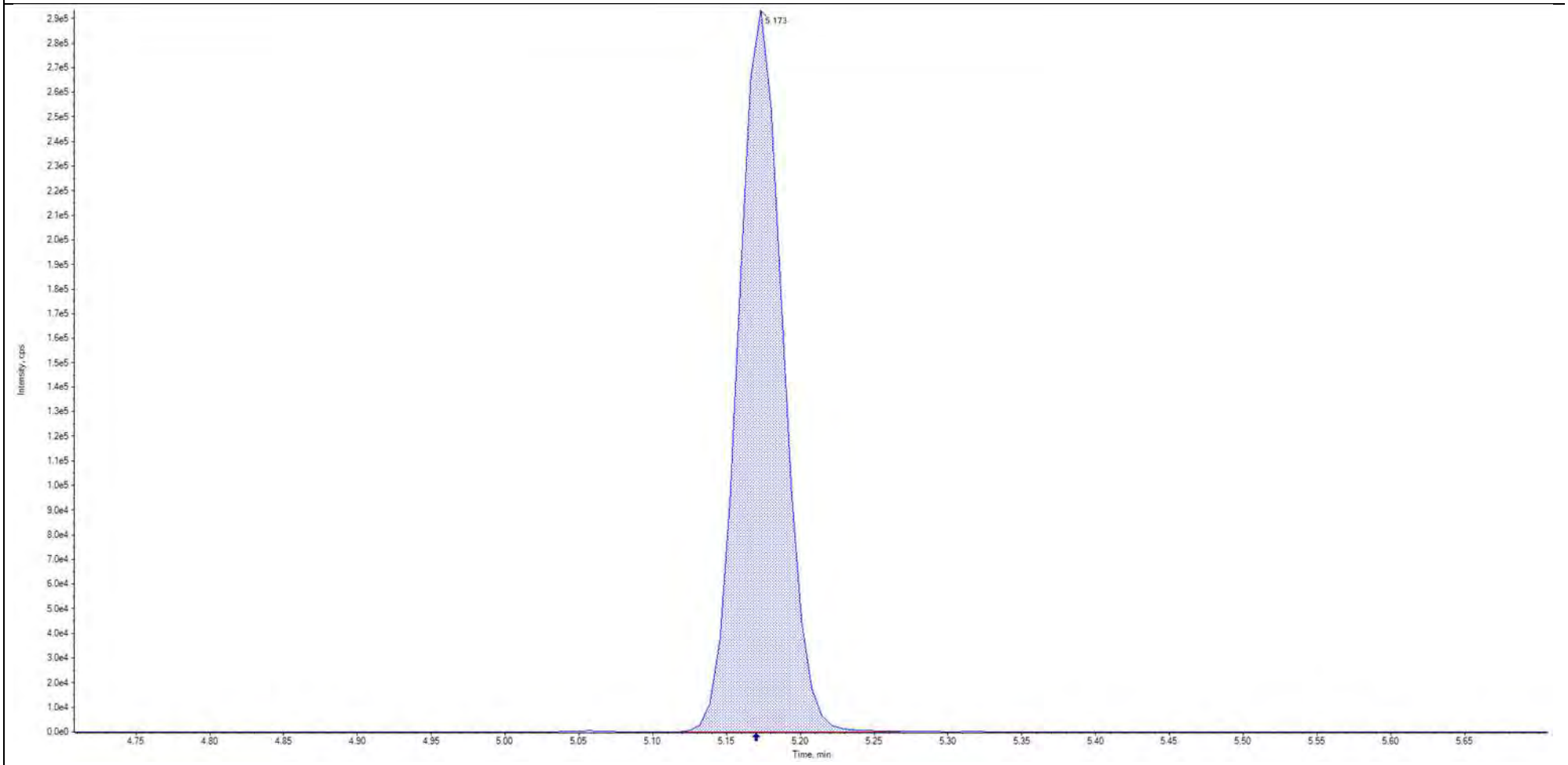
13C2-6:2FTS
Sample: WG2013165-5,1633FMED



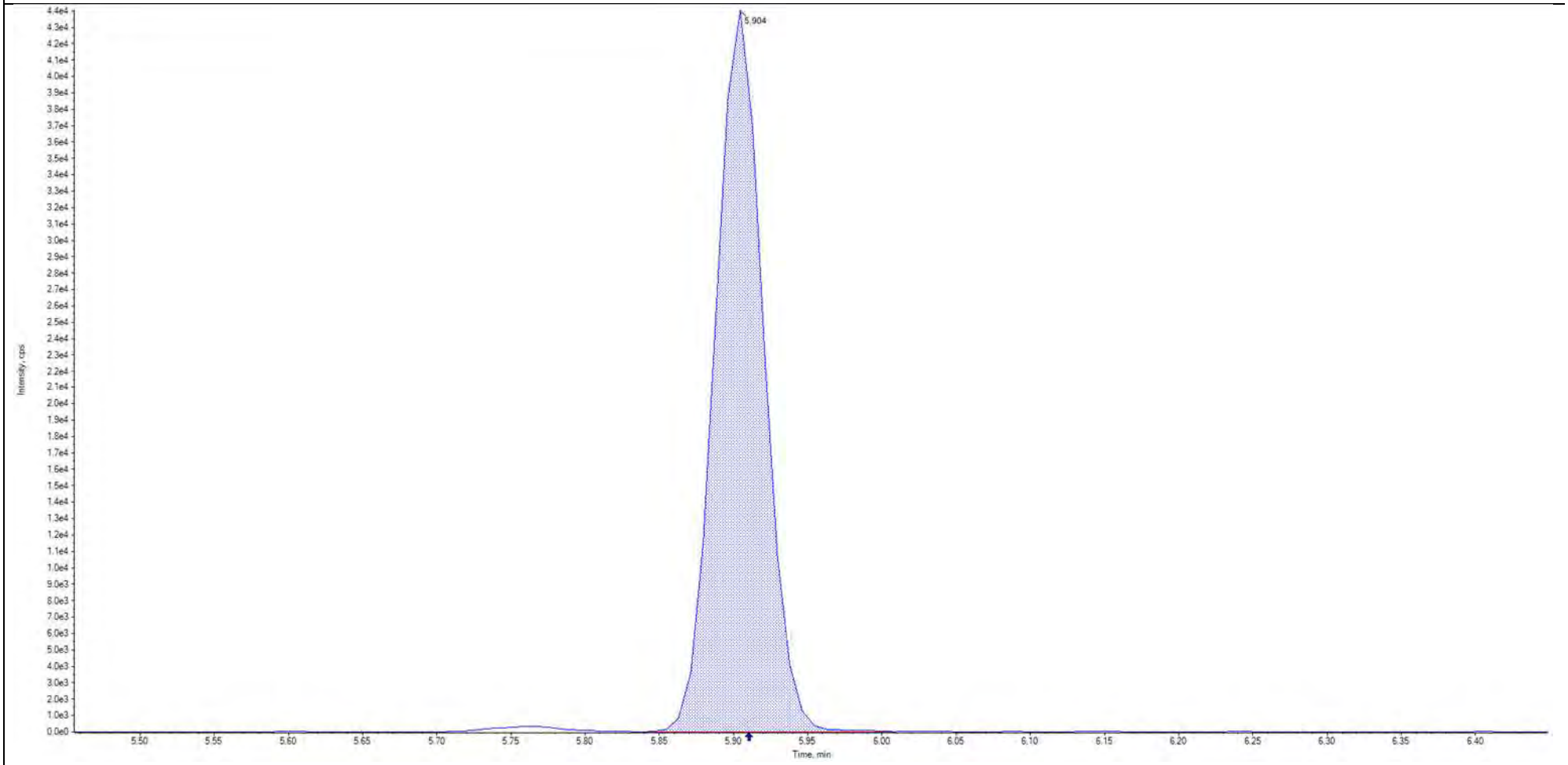
13C2-8:2FTS
Sample: WG2013165-5,1633FMED



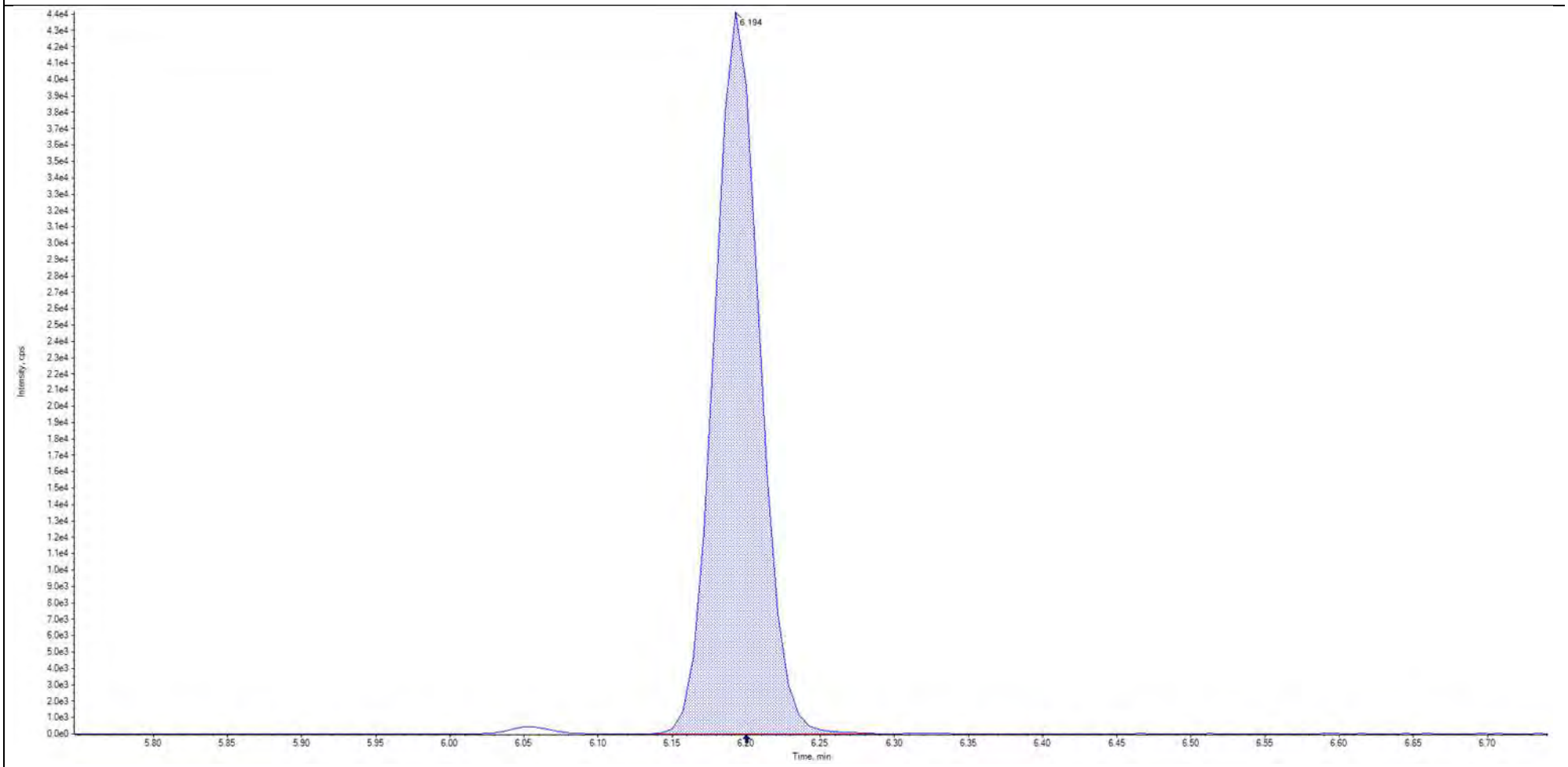
13C8-PFOSA
Sample: WG2013165-5,1633FMED



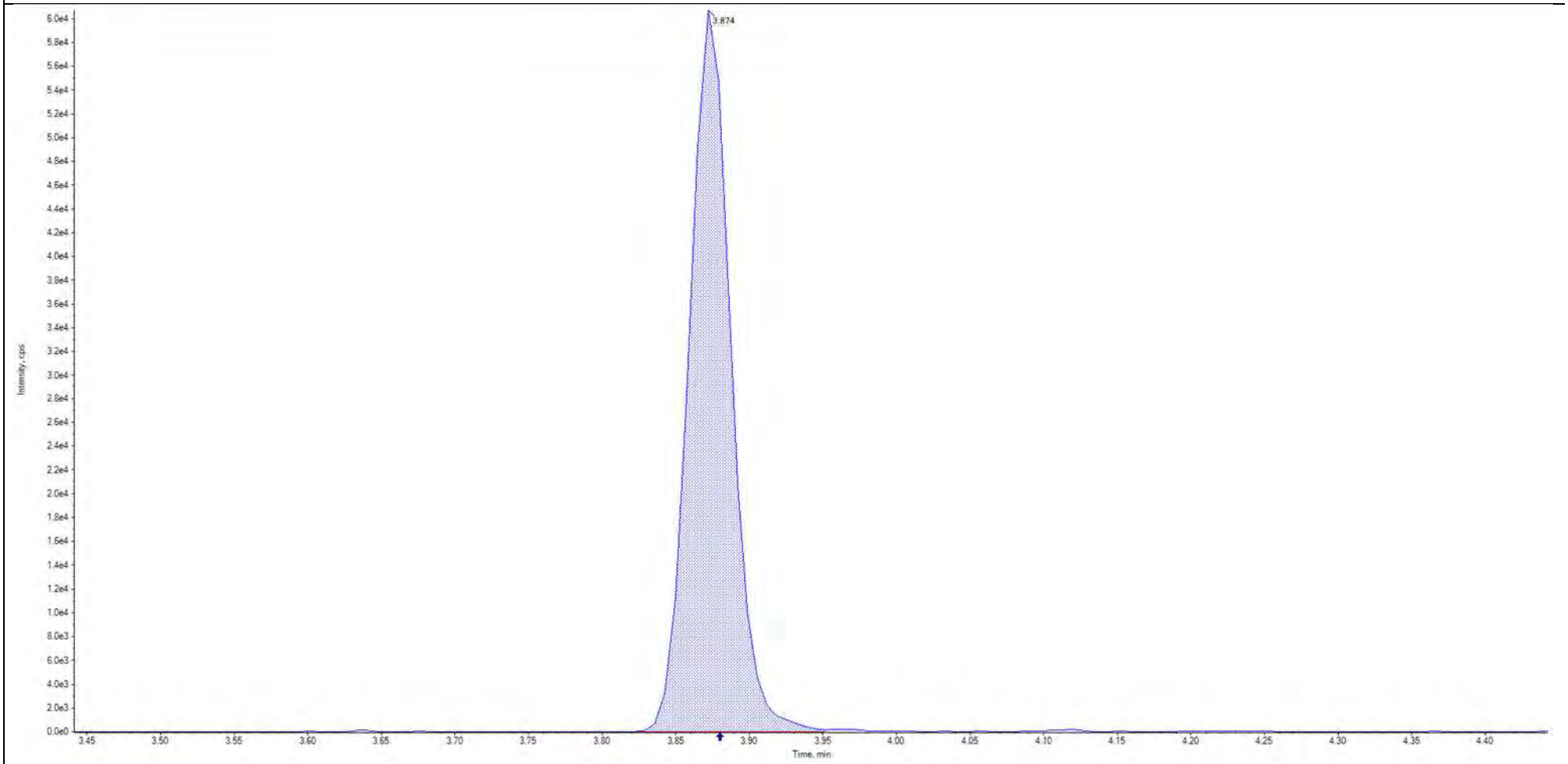
d3-NMeFOSA
Sample: WG2013165-5,1633FMED



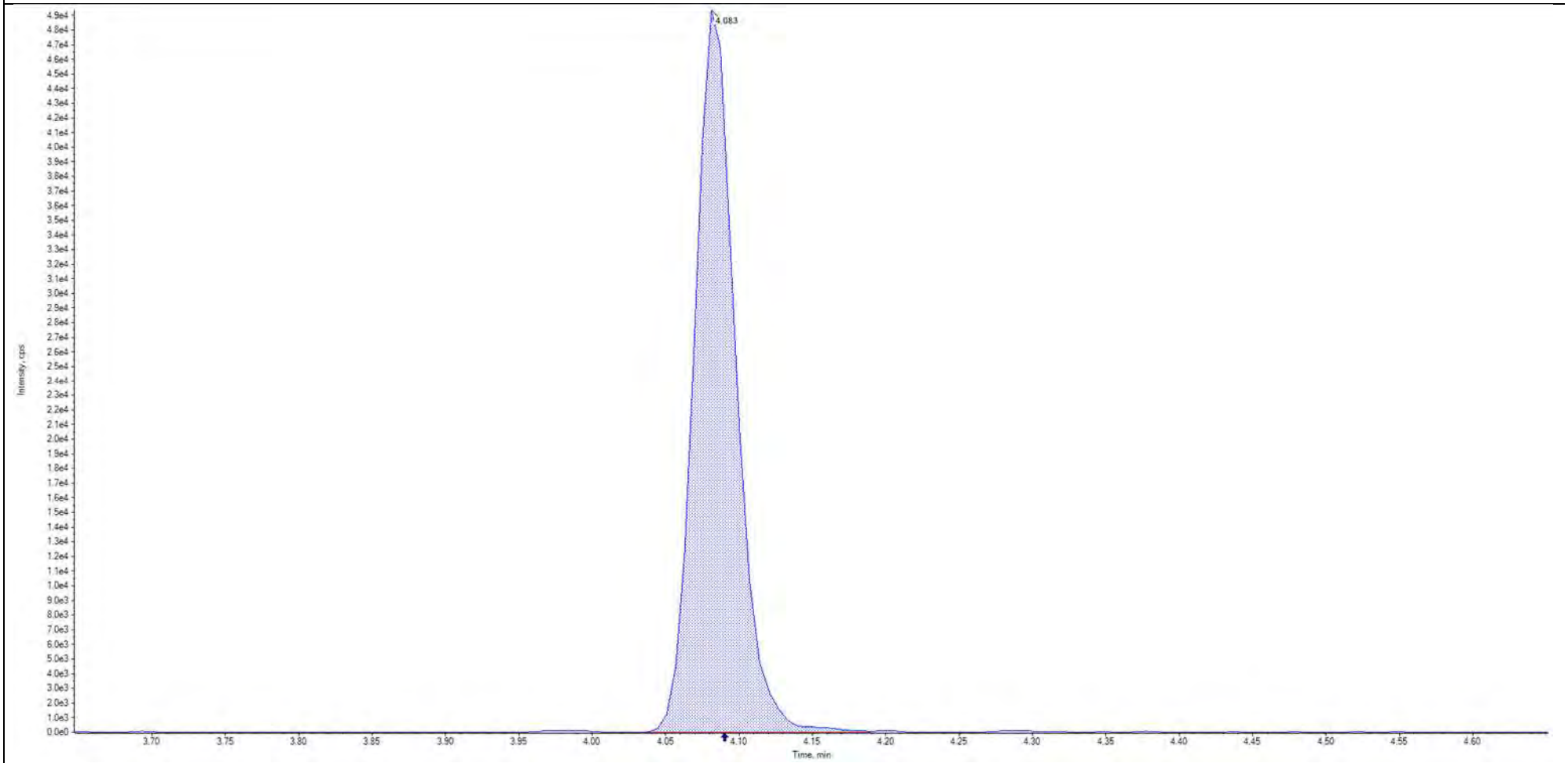
d5-NEtFOSA
Sample: WG2013165-5,1633FMED



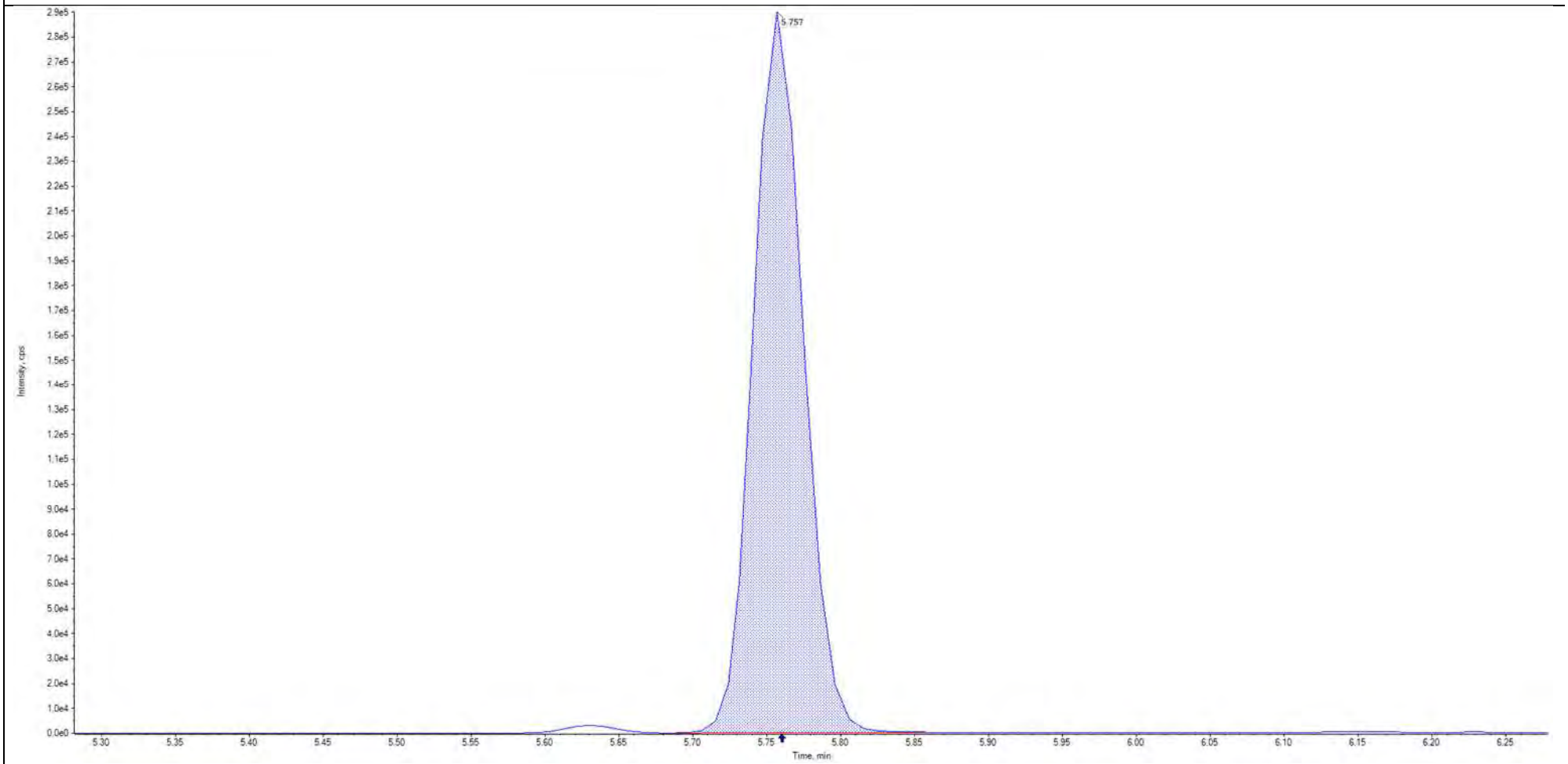
d3-NMeFOSAA
Sample: WG2013165-5,1633FMED



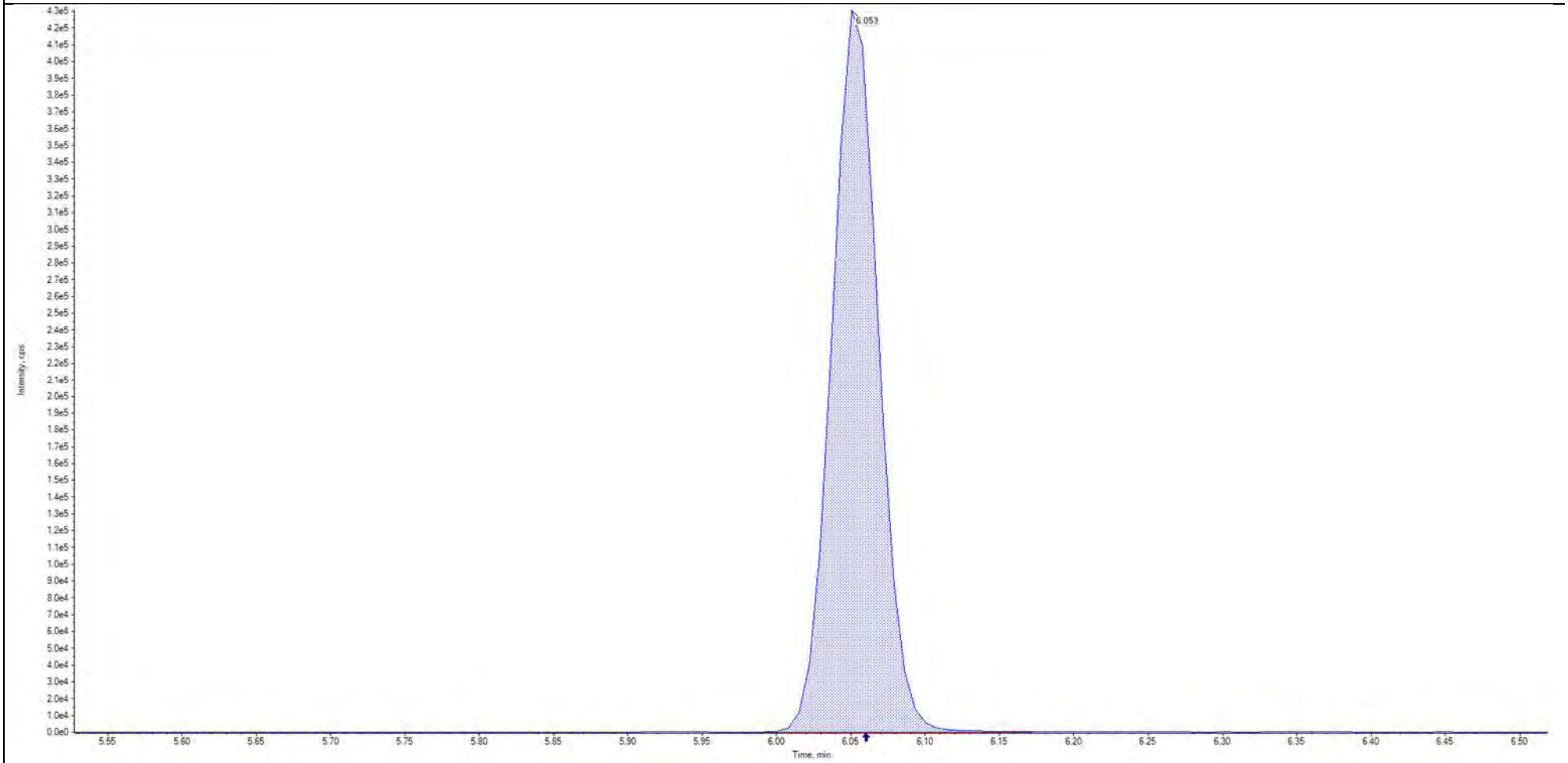
d5-NEtFOSAA
Sample: WG2013165-5,1633FMED



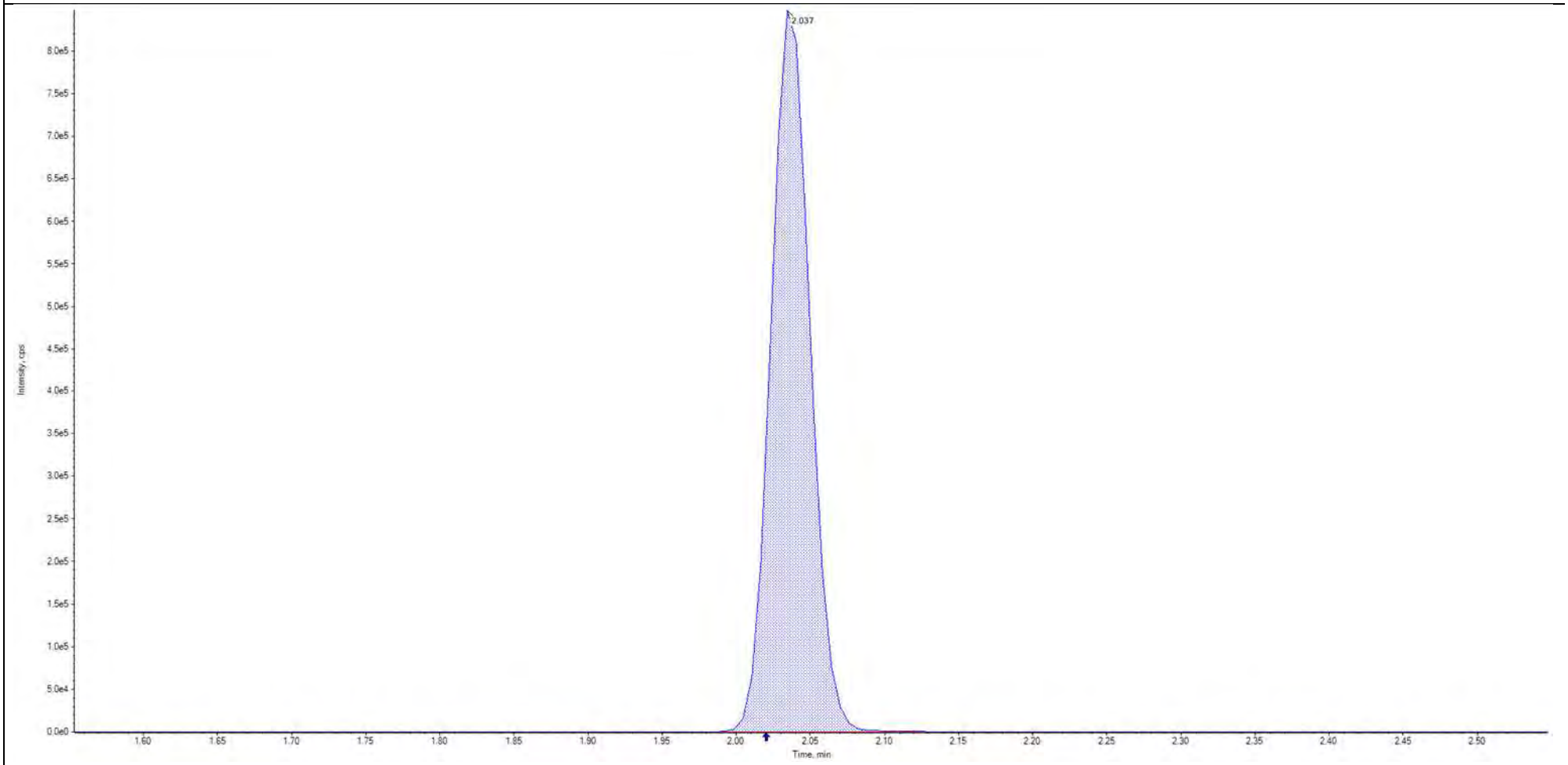
d7-NMeFOSE
Sample: WG2013165-5,1633FMED



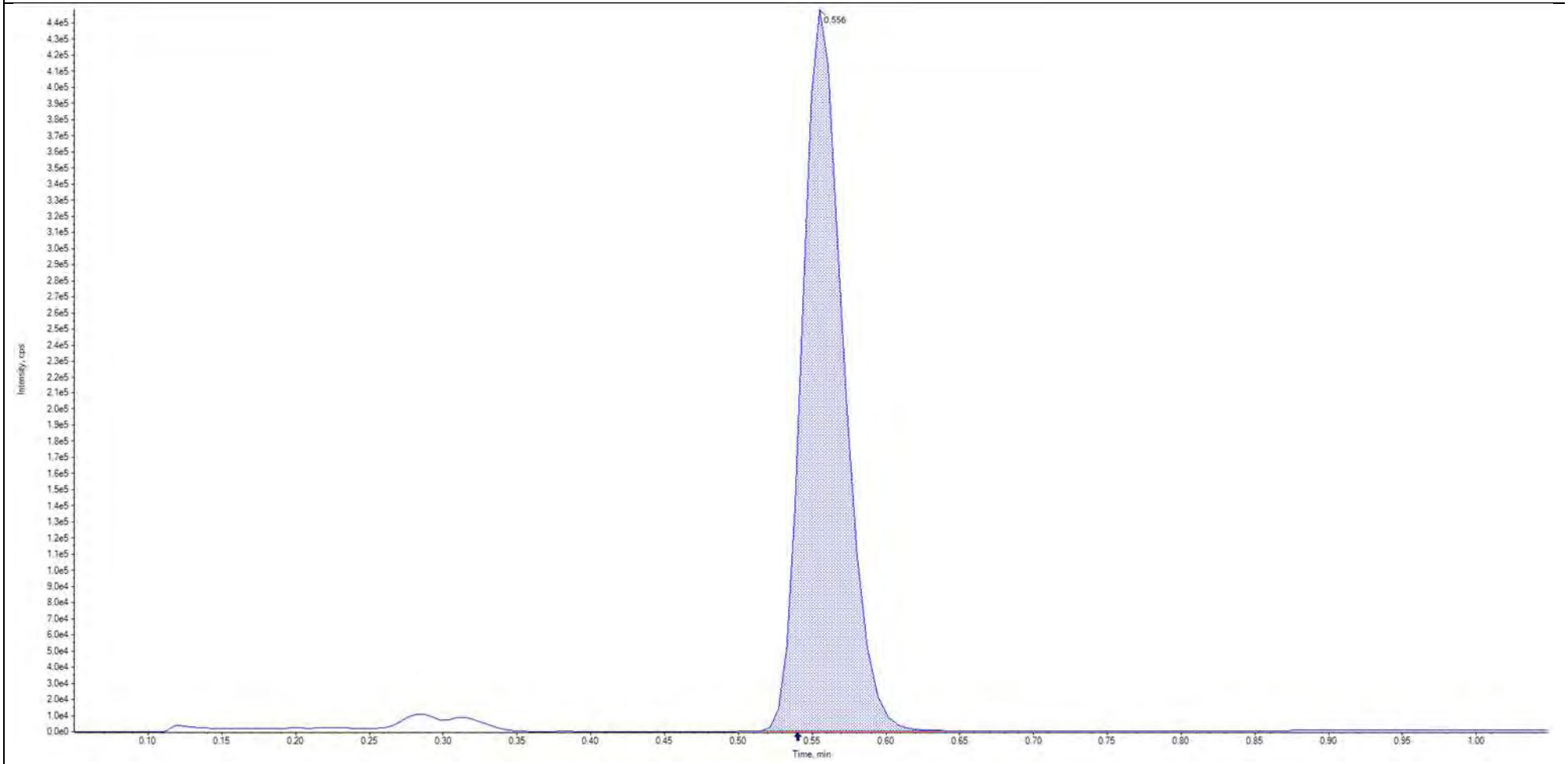
d9-NEtFOSE
Sample: WG2013165-5,1633FMED



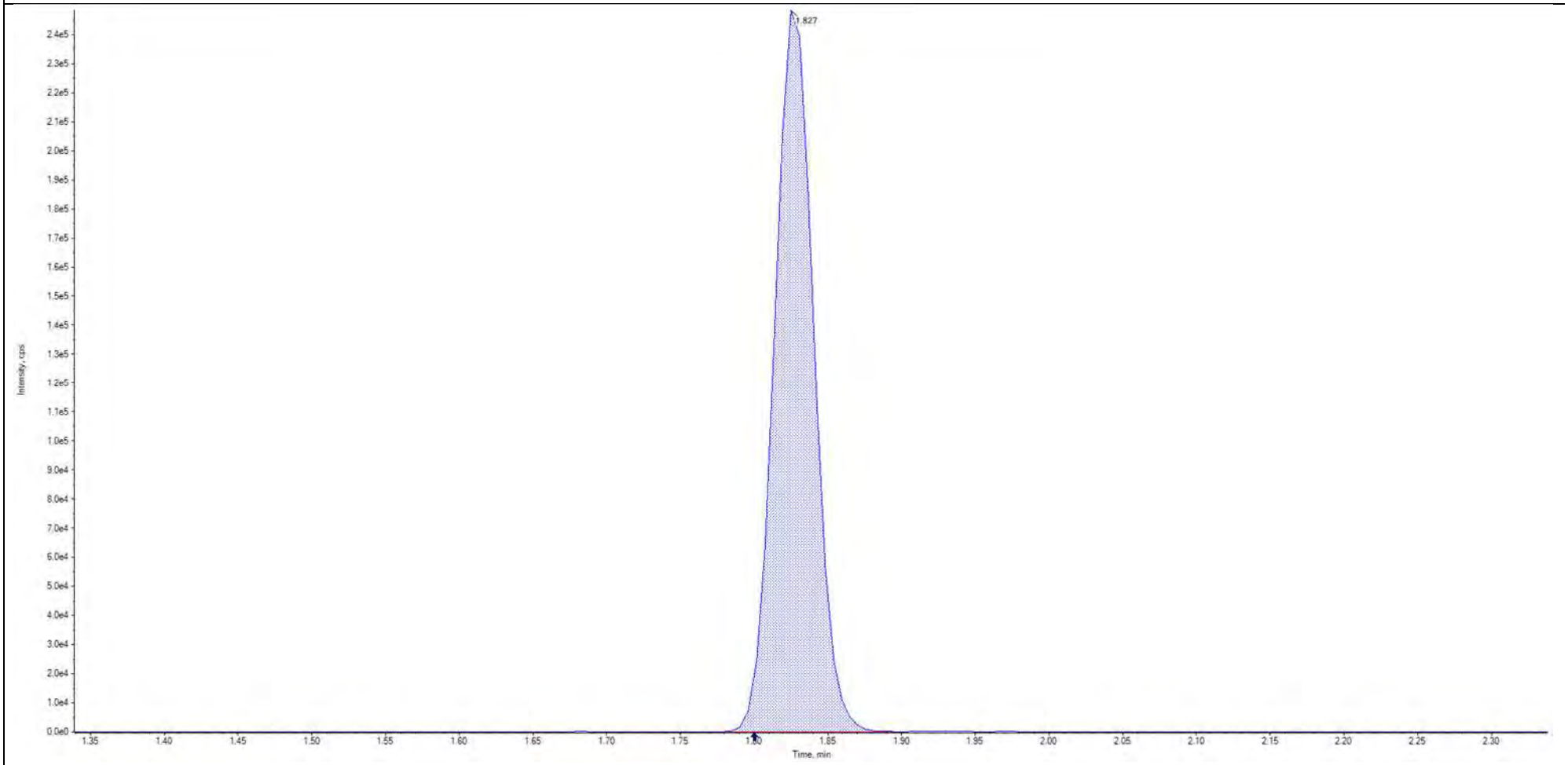
13C3-HFPO-DA
Sample: WG2013165-5,1633FMED



13C3-PFBA
Sample: WG2013165-5,1633FMED



13C2-PFHxA
Sample: WG2013165-5,1633FMED



13C4-PFOA
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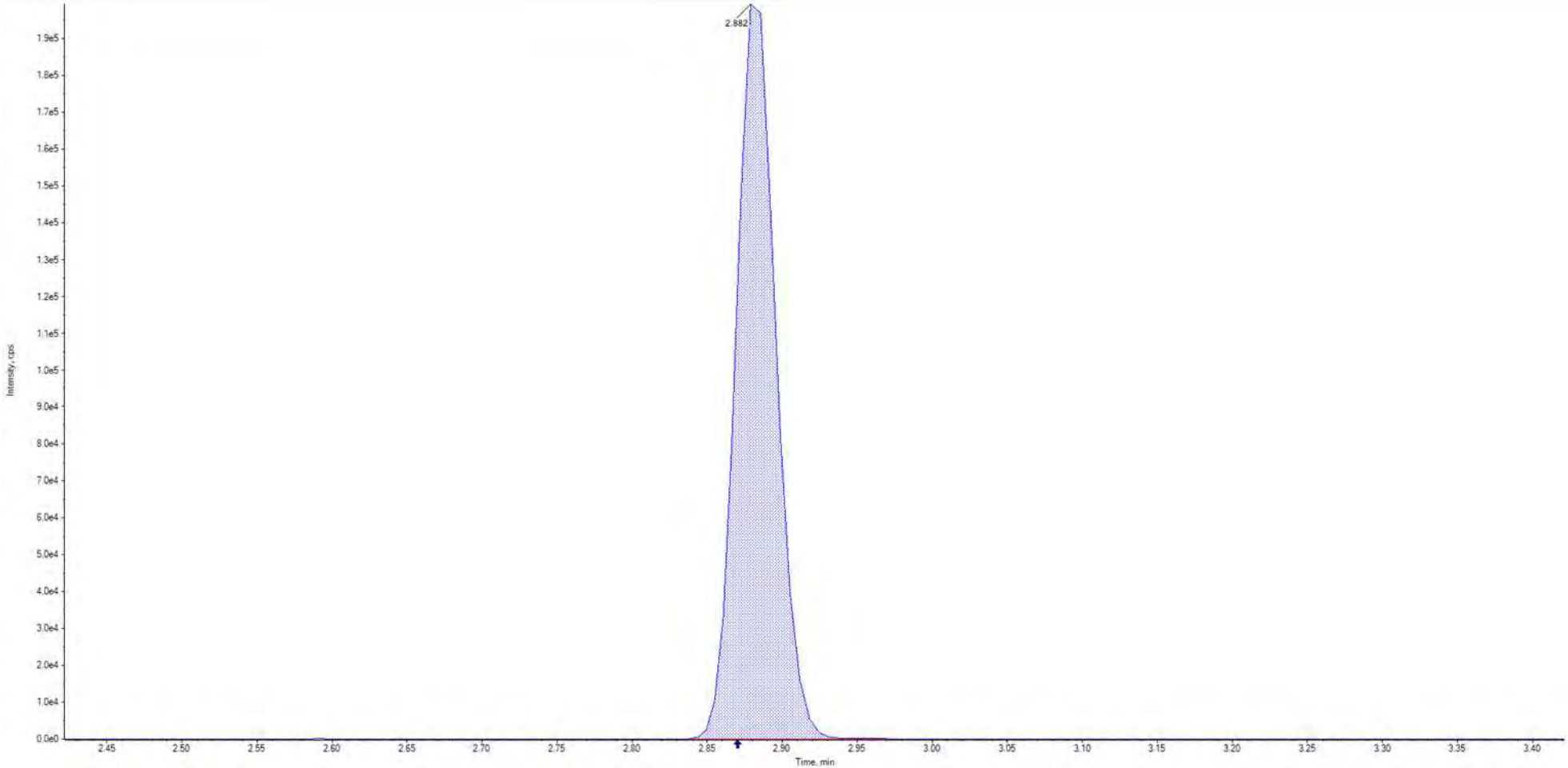

13C5-PFNA
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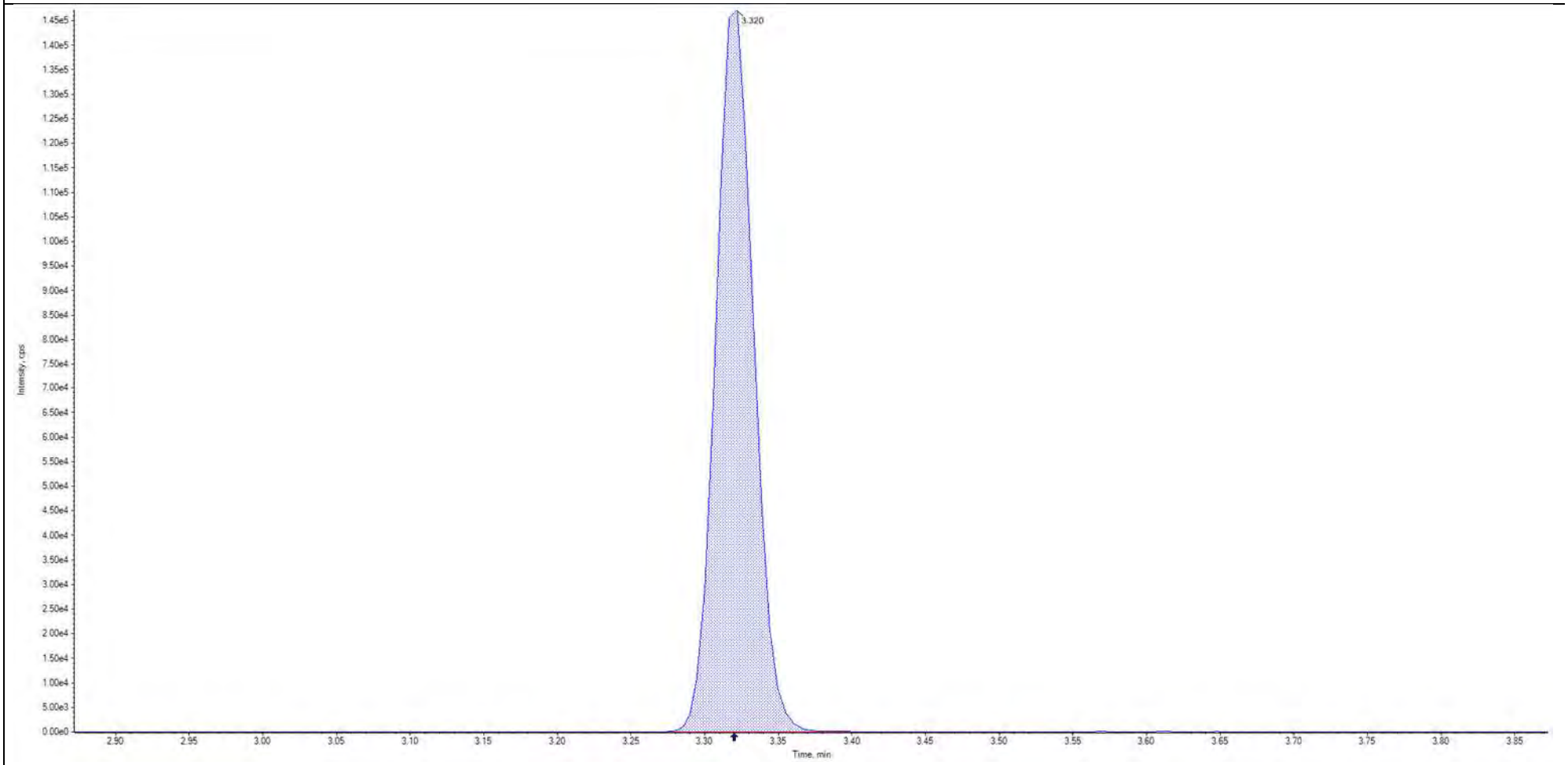

13C2-PFDA
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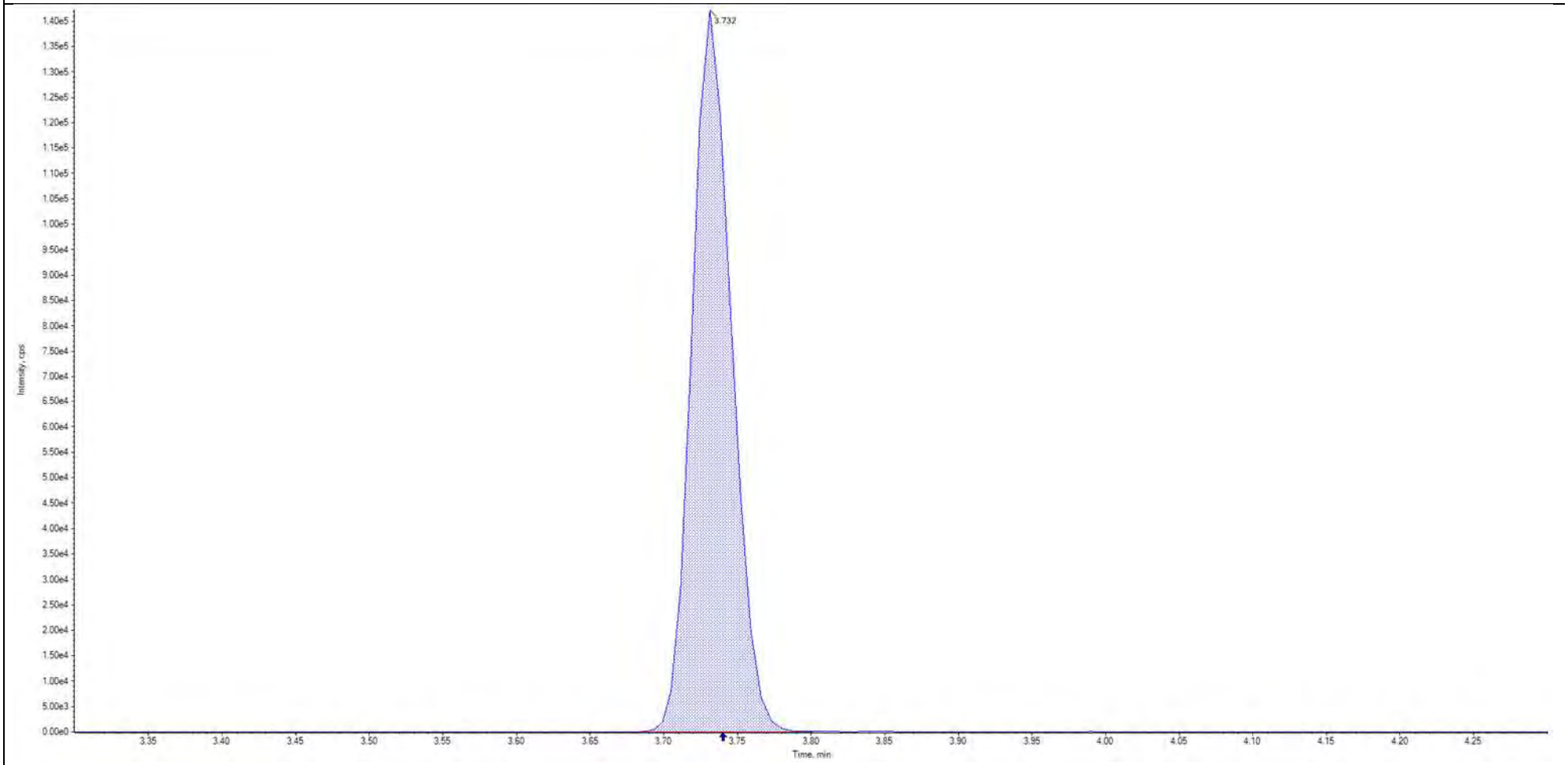

18O2-PFHxS
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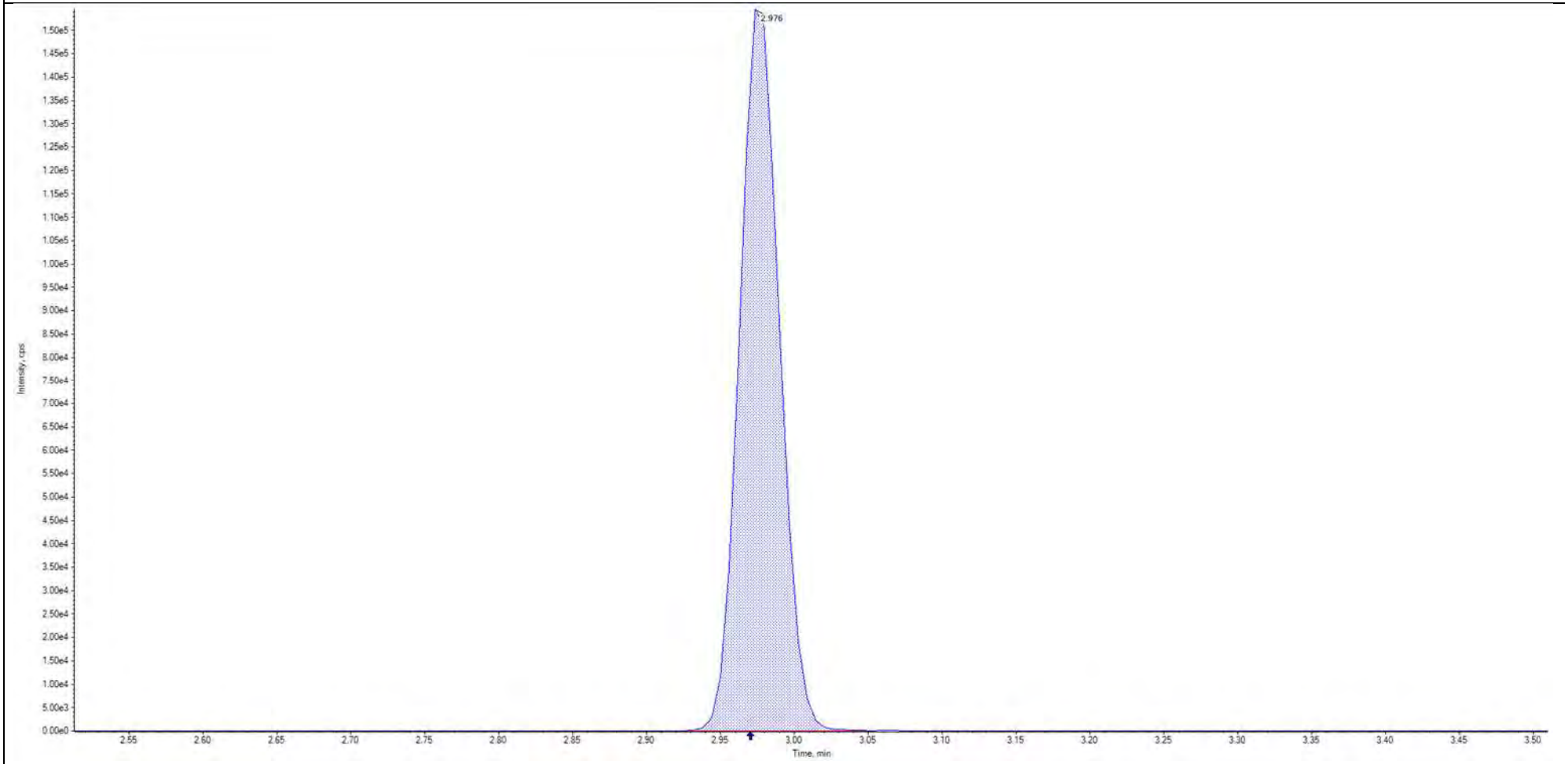
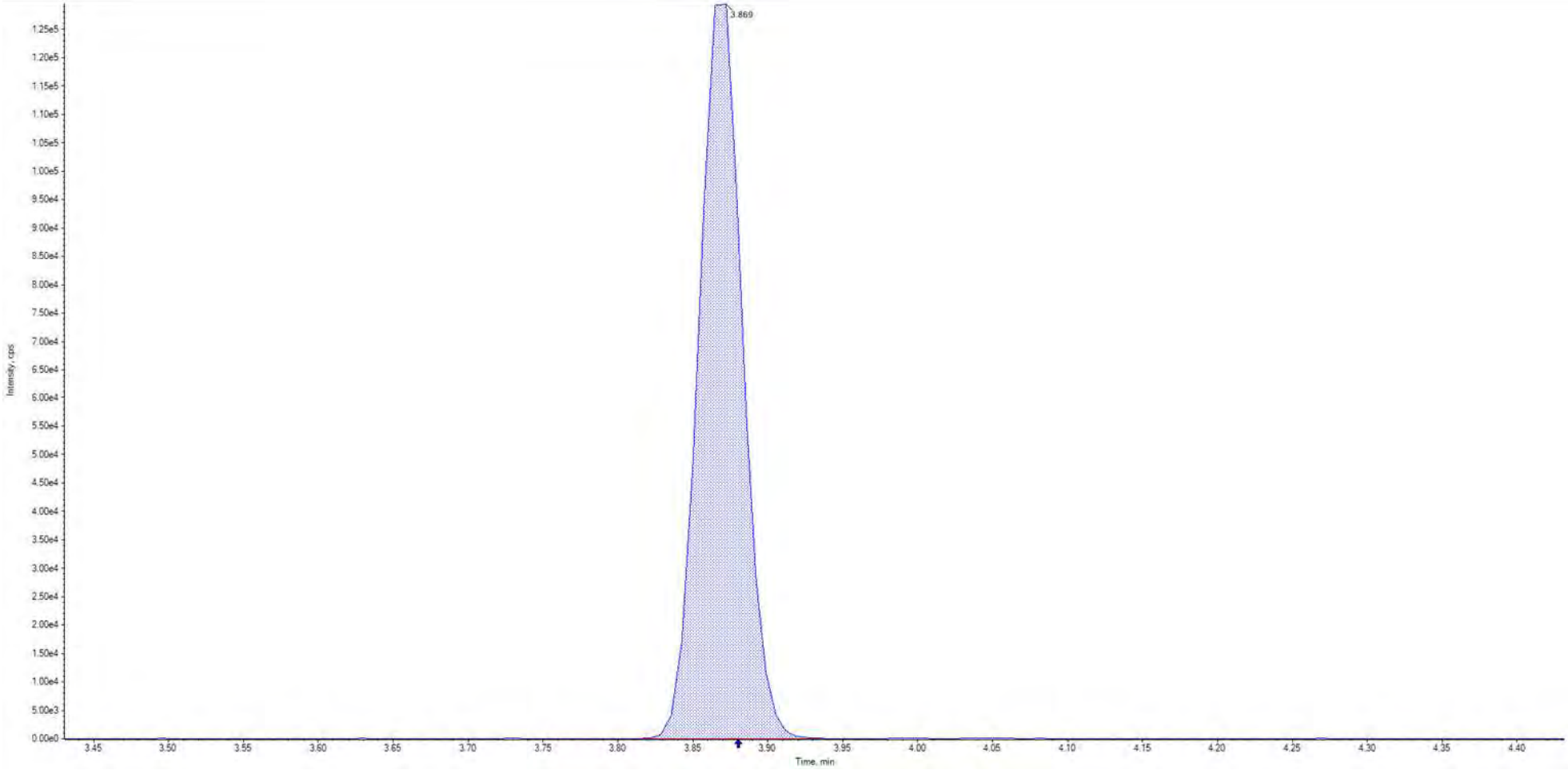


13C4-PFOS
Sample: WG2013165-5,1633FMED



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Alpha Analytical LLC
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Semivolatiles Raw QC Data

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Method: EPA1633F.qmethod
Calibration: 241112_1633_ICAL

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Date & Time: 2024-12-23T22:21:19
Description: WG2012688,WG2012727,ICAL21696
Instrument: SCIEX Triple Quad 5500+
User: LCMS09:JW

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	N/A	213.0 / 169.0	N/A		N/A	N/A	N/A	N/A	N/A
2	PFPeA	2706-90-3	N/A	263.0 / 219.0	N/A		N/A	N/A	N/A	N/A	N/A
3	PFPeA_2	2706-90-3	N/A	263.0 / 68.9	N/A		N/A	N/A	N/A	N/A	N/A
4	PFHxA	307-24-4	N/A	313.0 / 269.0	N/A		N/A	N/A	0.089	N/A	N/A
5	PFHxA_2	307-24-4	N/A	313.0 / 119.0	N/A		N/A	N/A	0.089	N/A	N/A
6	PFHpA	375-85-9	N/A	363.1 / 319.0	N/A		N/A	N/A	0.384	N/A	N/A
7	PFHpA_2	375-85-9	N/A	363.1 / 169.0	N/A		N/A	N/A	0.384	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	N/A	413.1 / 369.1	N/A		N/A	N/A	0.410	N/A	N/A
9	PFOA_2	335-67-1	N/A	413.1 / 169.0	N/A		N/A	N/A	0.410	N/A	N/A
10	PFNA	375-95-1	N/A	462.8 / 418.9	N/A		N/A	N/A	0.341	N/A	N/A
11	PFNA_2	375-95-1	N/A	462.8 / 219.0	N/A		N/A	N/A	0.341	N/A	N/A
12	PFDA	335-76-2	N/A	513.1 / 469.1	N/A		N/A	N/A	0.215	N/A	N/A
13	PFDA_2	335-76-2	N/A	513.1 / 219.0	N/A		N/A	N/A	0.215	N/A	N/A
14	PFUnA	2058-94-8	N/A	563.1 / 519.1	N/A		N/A	N/A	0.151	N/A	N/A
15	PFUnA_2	2058-94-8	N/A	563.1 / 269.0	N/A		N/A	N/A	0.151	N/A	N/A
16	PFDoA	307-55-1	N/A	613.1 / 569.1	N/A		N/A	N/A	0.140	N/A	N/A
17	PFDoA_2	307-55-1	N/A	613.1 / 319.0	N/A		N/A	N/A	0.140	N/A	N/A
18	PFTrDA	72629-94-8	N/A	663.1 / 619.1	N/A		N/A	N/A	0.159	N/A	N/A
19	PFTrDA_2	72629-94-8	N/A	663.1 / 169.0	N/A		N/A	N/A	0.159	N/A	N/A
20	PFTeDA	376-06-7	N/A	713.1 / 669.1	N/A		N/A	N/A	0.159	N/A	N/A
21	PFTeDA_2	376-06-7	N/A	713.1 / 169.0	N/A		N/A	N/A	0.159	N/A	N/A
22	PFBS	375-73-5	N/A	299.1 / 80.1	N/A		N/A	N/A	0.398	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	N/A	299.1 / 99.1	N/A		N/A	N/A	0.398	N/A	N/A
24	PFPeS	2706-91-4	N/A	349.1 / 80.1	N/A		N/A	N/A	0.285	N/A	N/A
25	PFPeS_2	2706-91-4	N/A	349.1 / 99.1	N/A		N/A	N/A	0.285	N/A	N/A
26	PFHxS	355-46-4	N/A	399.1 / 80.1	N/A		N/A	N/A	0.293	N/A	N/A
27	PFHxS_2	355-46-4	N/A	399.1 / 99.1	N/A		N/A	N/A	0.293	N/A	N/A
28	PFHpS	375-92-8	N/A	449.1 / 80.1	N/A		N/A	N/A	0.308	N/A	N/A
29	PFHpS_2	375-92-8	N/A	449.1 / 99.1	N/A		N/A	N/A	0.308	N/A	N/A
30	PFOS	1763-23-1	N/A	499.1 / 80.1	N/A		N/A	N/A	0.241	N/A	N/A
31	PFOS_2	1763-23-1	N/A	499.1 / 99.1	N/A		N/A	N/A	0.241	N/A	N/A
32	PFNS	68259-12-1	N/A	549.1 / 80.1	N/A		N/A	N/A	0.299	N/A	N/A
33	PFNS_2	68259-12-1	N/A	549.1 / 99.1	N/A		N/A	N/A	0.299	N/A	N/A
34	PFDS	335-77-3	N/A	599.1 / 80.1	N/A		N/A	N/A	0.274	N/A	N/A
35	PFDS_2	335-77-3	N/A	599.1 / 99.1	N/A		N/A	N/A	0.274	N/A	N/A
36	PFDoS	79780-39-5	N/A	699.2 / 80.1	N/A		N/A	N/A	0.247	N/A	N/A
37	PFDoS_2	79780-39-5	N/A	699.2 / 99.1	N/A		N/A	N/A	0.247	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	N/A	327.1 / 307.1	N/A		N/A	N/A	0.634	N/A	N/A
39	4:2FTS_2	757124-72-4	N/A	327.1 / 81.1	N/A		N/A	N/A	0.634	N/A	N/A
40	6:2FTS	27619-97-2	N/A	427.2 / 407.2	N/A		N/A	N/A	0.609	N/A	N/A
41	6:2FTS_2	27619-97-2	N/A	427.2 / 81.1	N/A		N/A	N/A	0.609	N/A	N/A
42	8:2FTS	39108-34-4	N/A	527.2 / 507.2	N/A		N/A	N/A	0.681	N/A	N/A
43	8:2FTS_2	39108-34-4	N/A	527.2 / 81.1	N/A		N/A	N/A	0.681	N/A	N/A
44	PFOSA	754-91-6	N/A	498.1 / 78.1	N/A		N/A	N/A	0.024	N/A	N/A
45	PFOSA_2	754-91-6	N/A	498.1 / 478.0	N/A		N/A	N/A	0.024	N/A	N/A
46	NMeFOSA	31506-32-8	N/A	512.2 / 219.0	N/A		N/A	N/A	1.421	N/A	N/A
47	NMeFOSA_2	31506-32-8	N/A	512.2 / 169.0	N/A		N/A	N/A	1.421	N/A	N/A
48	NEtFOSA	4151-50-2	N/A	526.2 / 219.0	N/A		N/A	N/A	1.258	N/A	N/A
49	NEtFOSA_2	4151-50-2	N/A	526.2 / 169.0	N/A		N/A	N/A	1.258	N/A	N/A
50	NMeFOSAA	2355-31-9	N/A	570.2 / 419.1	N/A		N/A	N/A	0.683	N/A	N/A
51	NMeFOSAA_2	2355-31-9	N/A	570.2 / 483.0	N/A		N/A	N/A	0.683	N/A	N/A
52	NEtFOSAA	2991-50-6	N/A	584.2 / 419.1	N/A		N/A	N/A	0.571	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	N/A	584.2 / 526.2	N/A		N/A	N/A	0.571	N/A	N/A
54	NMeFOSE	24448-09-7	N/A	616.1 / 58.9	N/A		N/A	N/A	N/A	N/A	N/A
55	NEtFOSE	1691-99-2	N/A	630.0 / 58.9	N/A		N/A	N/A	N/A	N/A	N/A
56	HFPO-DA	13252-13-6	N/A	285.0 / 169.0	N/A		N/A	N/A	0.510	N/A	N/A
57	HFPO-DA_2	13252-13-6	N/A	285.0 / 184.9	N/A		N/A	N/A	0.510	N/A	N/A
58	ADONA	919005-14-4	N/A	376.9 / 251.0	N/A		N/A	N/A	0.636	N/A	N/A
59	ADONA_2	919005-14-4	N/A	376.9 / 84.8	N/A		N/A	N/A	0.636	N/A	N/A
60	9Cl-PF3ONS	756426-58-1	N/A	530.8 / 351.1	N/A		N/A	N/A	0.326	N/A	N/A
61	9Cl-PF3ONS_2	756426-58-1	N/A	532.8 / 353.0	N/A		N/A	N/A	0.326	N/A	N/A
62	11Cl-PF3OUdS	763051-92-9	N/A	630.9 / 451.0	N/A		N/A	N/A	0.318	N/A	N/A
63	11Cl-PF3OUdS_2	763051-92-9	N/A	632.9 / 452.9	N/A		N/A	N/A	0.318	N/A	N/A
64	3:3FTCA	356-02-5	N/A	241.1 / 177.1	N/A		N/A	N/A	1.068	N/A	N/A
65	3:3FTCA_2	356-02-5	N/A	241.1 / 117.0	N/A		N/A	N/A	1.068	N/A	N/A
66	5:3FTCA	914637-49-3	N/A	341.1 / 237.1	N/A		N/A	N/A	1.045	N/A	N/A
67	5:3FTCA_2	914637-49-3	N/A	341.1 / 217.0	N/A		N/A	N/A	1.045	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	N/A	441.1 / 316.9	N/A		N/A	N/A	1.285	N/A	N/A
69	7:3FTCA_2	812-70-4	N/A	441.1 / 337.1	N/A		N/A	N/A	1.285	N/A	N/A
70	PFEESA	113507-82-7	N/A	315.1 / 135.0	N/A		N/A	N/A	0.081	N/A	N/A
71	PFEESA_2	113507-82-7	N/A	315.1 / 82.9	N/A		N/A	N/A	0.081	N/A	N/A
72	PFMPA	377-73-1	N/A	229.0 / 85.0	N/A		N/A	N/A	N/A	N/A	N/A
73	PFMBA	863090-89-5	N/A	279.0 / 85.0	N/A		N/A	N/A	N/A	N/A	N/A
74	NFDHA	151772-58-6	N/A	295.0 / 201.0	N/A		N/A	N/A	0.681	N/A	N/A
75	NFDHA_2	151772-58-6	N/A	295.0 / 84.9	N/A		N/A	N/A	0.681	N/A	N/A
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	5.357	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	5.357	N/A	N/A
78	13C2D4-4:2FTS	Surr	N/A	333.2 / 312.1	N/A		N/A	N/A	N/A	N/A	N/A
79	13C2-PFOA	Surr	N/A	415.0 / 370.0	N/A		N/A	N/A	N/A	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.56	217.0 / 172.0	1652682		9.666	NA	NA	NA	96.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.06	268.0 / 223.0	702003		4.962	NA	NA	NA	99.2
	13C5-PFHxA	EIS	1.81	318.0 / 273.0	315499		2.114	NA	NA	NA	84.5
	13C4-PFHpA	EIS	2.39	367.0 / 322.0	295675		2.373	NA	NA	NA	94.9
	13C8-PFOA	EIS	2.88	420.8 / 376.0	584551		2.272	NA	NA	NA	90.9
	13C9-PFNA	EIS	3.32	472.0 / 427.0	216589		1.091	NA	NA	NA	87.2
	13C6-PFDA	EIS	3.73	519.0 / 474.0	255013		1.141	NA	NA	NA	91.3
	13C7-PFUnA	EIS	4.13	570.0 / 525.0	269991		1.088	NA	NA	NA	87.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.51	615.1 / 570.0	281665		1.063	NA	NA	NA	85.0
	13C2-PFTeDA	EIS	5.24	715.1 / 670.1	198557		1.009	NA	NA	NA	80.7
	13C3-PFBS	EIS	1.80	302.1 / 80.1	363794		2.342	NA	NA	NA	100.5
	13C3-PFHxS	EIS	2.97	402.1 / 80.1	321683		2.338	NA	NA	NA	98.6
	13C8-PFOS	EIS	3.87	507.1 / 80.1	334611		2.368	NA	NA	NA	98.7
	13C2-4:2FTS	EIS	1.60	329.1 / 81.1	93547		4.335	NA	NA	NA	92.4
	13C2-6:2FTS	EIS	2.70	429.2 / 81.1	83574		4.363	NA	NA	NA	91.7
	13C2-8:2FTS	EIS	3.56	529.2 / 81.1	78163		3.447	NA	NA	NA	71.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	5.17	506.1 / 78.1	548508		2.286	NA	NA	NA	91.4
	d3-NMeFOSA	EIS	5.90	515.2 / 219.0	48572		1.236	NA	NA	NA	49.5
	d5-NEtFOSA	EIS	6.19	531.2 / 219.0	44706		1.254	NA	NA	NA	50.2
	d3-NMeFOSAA	EIS	3.87	573.2 / 419.1	96785		3.968	NA	NA	NA	79.4
	d5-NEtFOSAA	EIS	4.08	589.3 / 419.1	75897		3.157	NA	NA	NA	63.1
	d7-NMeFOSE	EIS	5.76	623.2 / 58.9	540324		21.233	NA	NA	NA	84.9
	d9-NEtFOSE	EIS	6.05	639.2 / 58.9	712448		20.806	NA	NA	NA	83.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.02	287.0 / 169.0	1338207		9.179	NA	NA	NA	91.8
	13C3-PFBA	NIS	0.56	216.0 / 172.0	745304		5.877	NA	NA	NA	117.5
	13C2-PFHxA	NIS	1.81	315.0 / 270.0	414173		2.781	NA	NA	NA	111.2
	13C4-PFOA	NIS	2.88	417.0 / 372.0	410185		2.845	NA	NA	NA	113.8
	13C5-PFNA	NIS	3.32	468.0 / 423.0	247258		1.211	NA	NA	NA	96.9
	13C2-PFDA	NIS	3.73	515.1 / 470.1	265286		1.258	NA	NA	NA	100.6
	18O2-PFHxS	NIS	2.97	403.1 / 84.1	287346		2.463	NA	NA	NA	103.9
	13C4-PFOS	NIS	3.87	503.1 / 80.1	281439		2.243	NA	NA	NA	93.4

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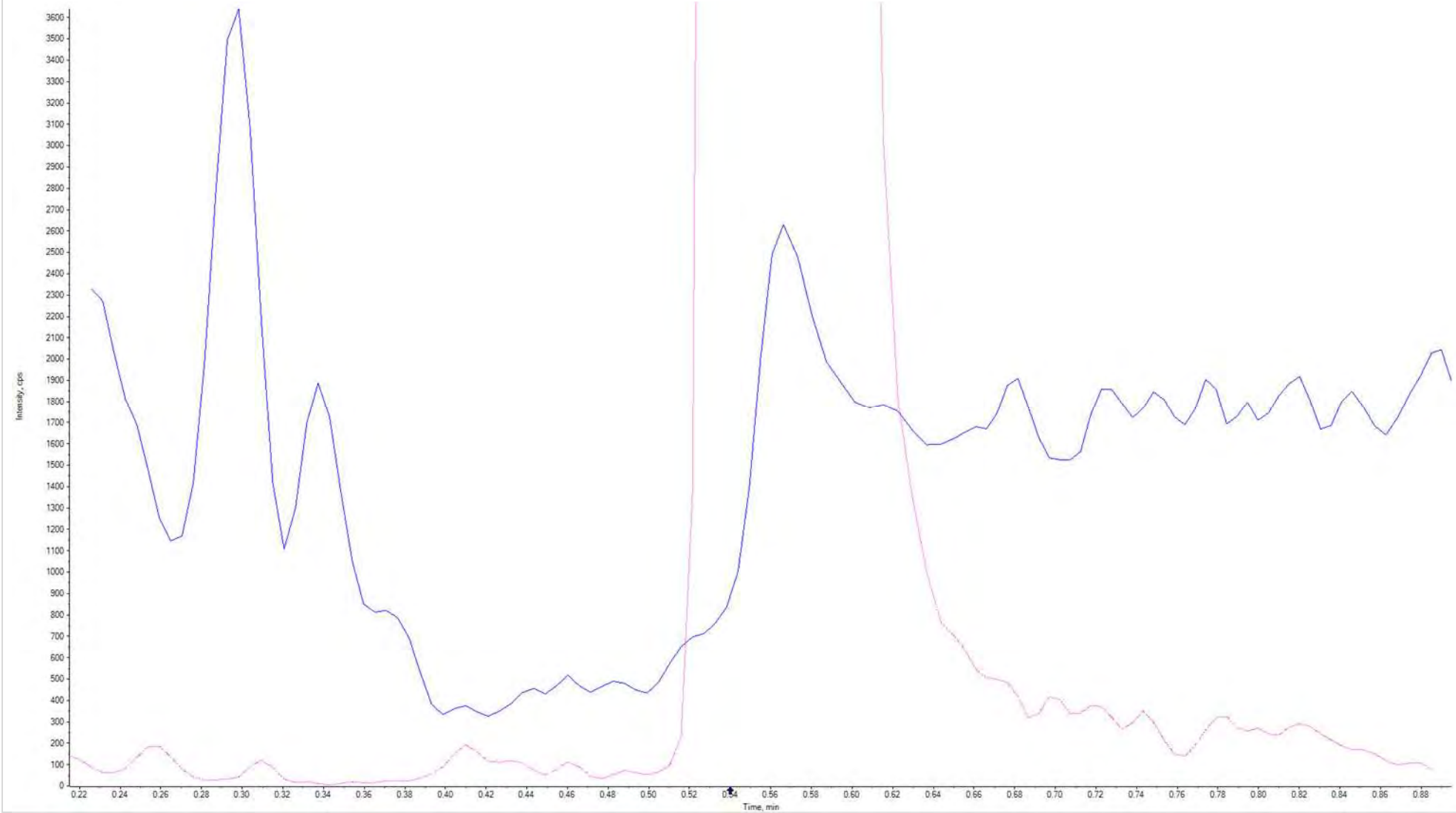
	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec

PFBA
Sample: WG2012727-1 S/N:N/A Points Across peak:N/A



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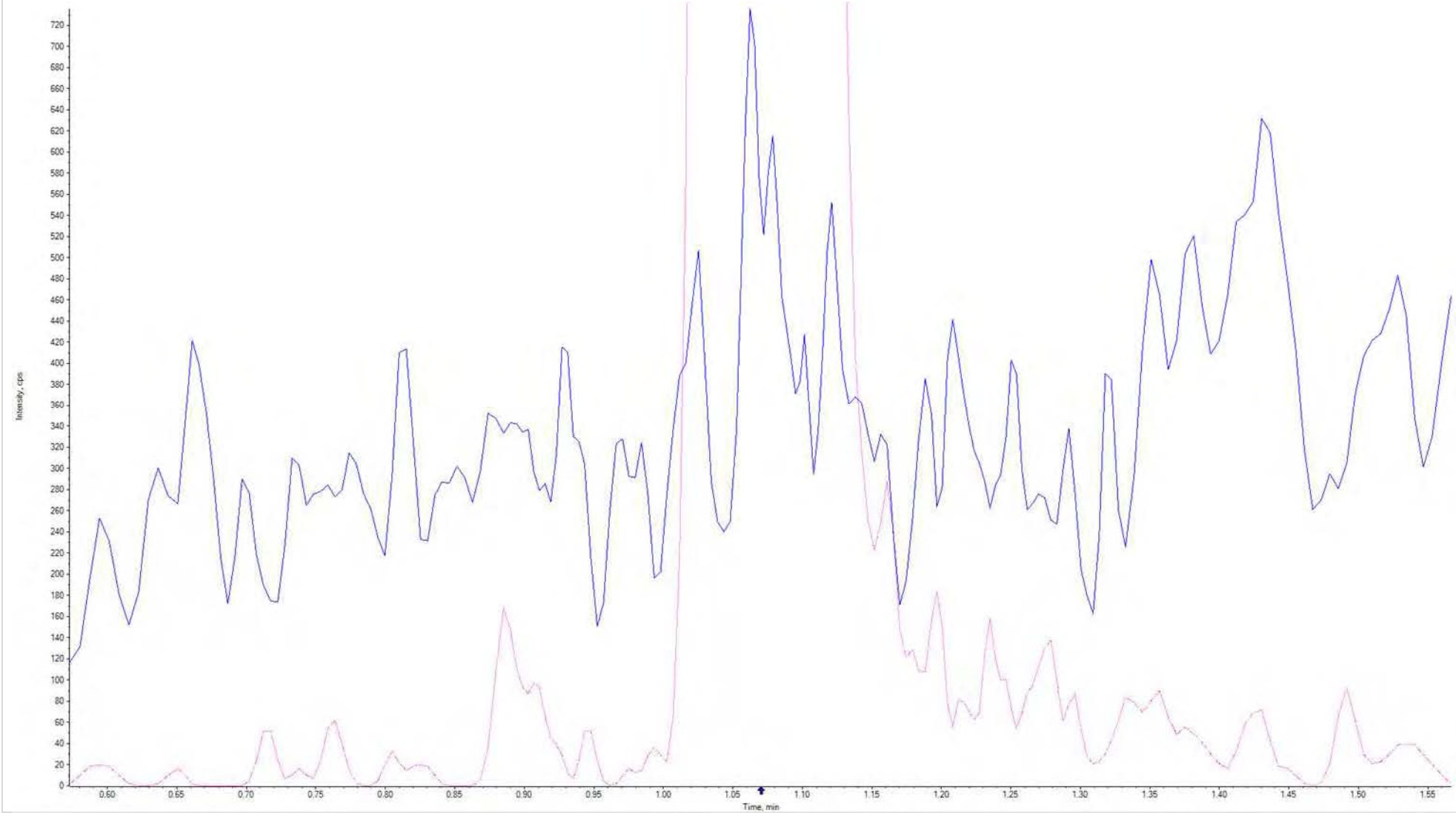
PFPeA
Sample: WG2012727-1 S/N:N/A Points Across peak:N/A



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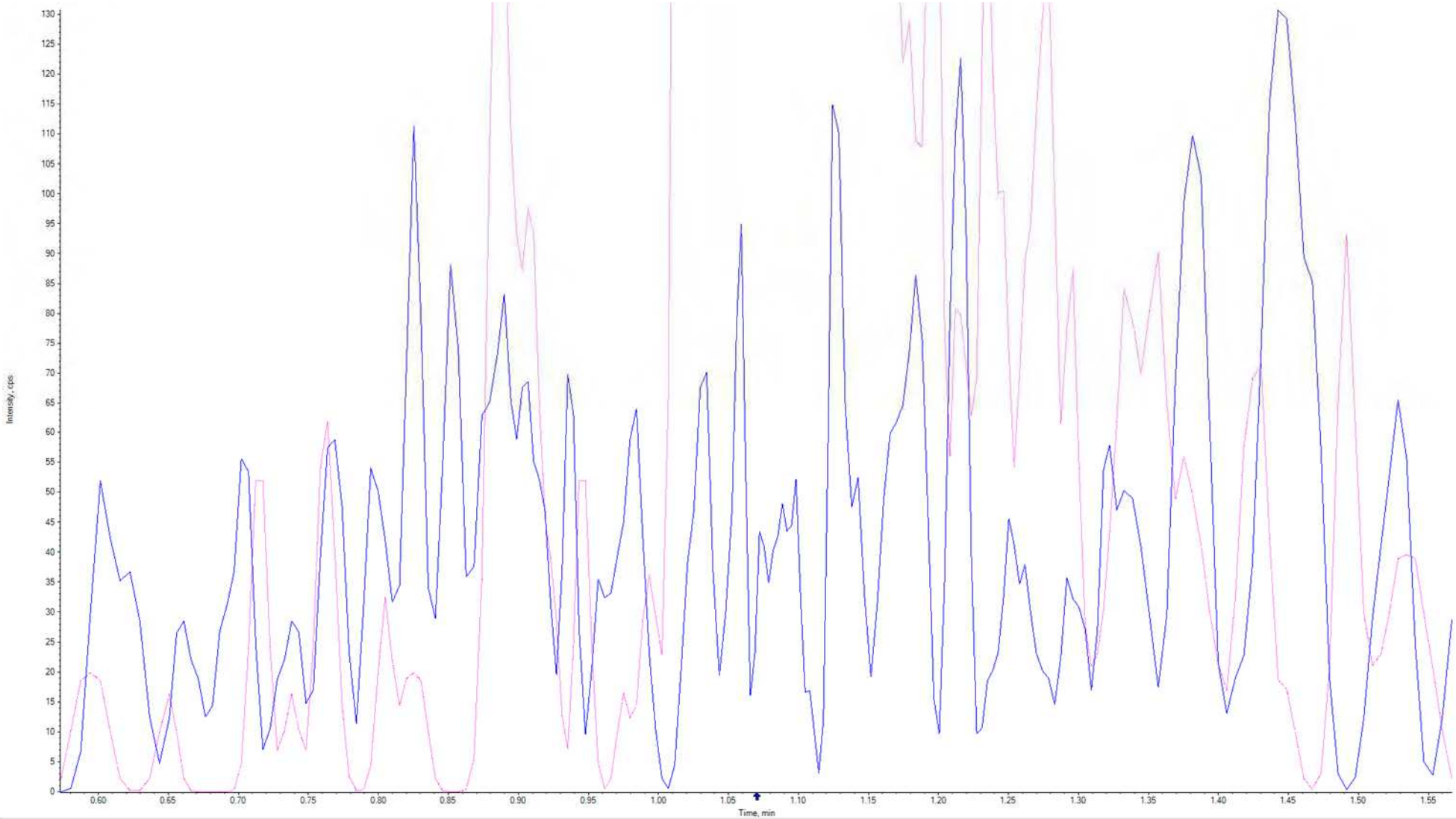
PFPeA_2
Sample: WG2012727-1 S/N:N/A Points Across peak:N/A



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Alpha Analytical LLC
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Last Altered: 12/24/2024 7:52:08 AM
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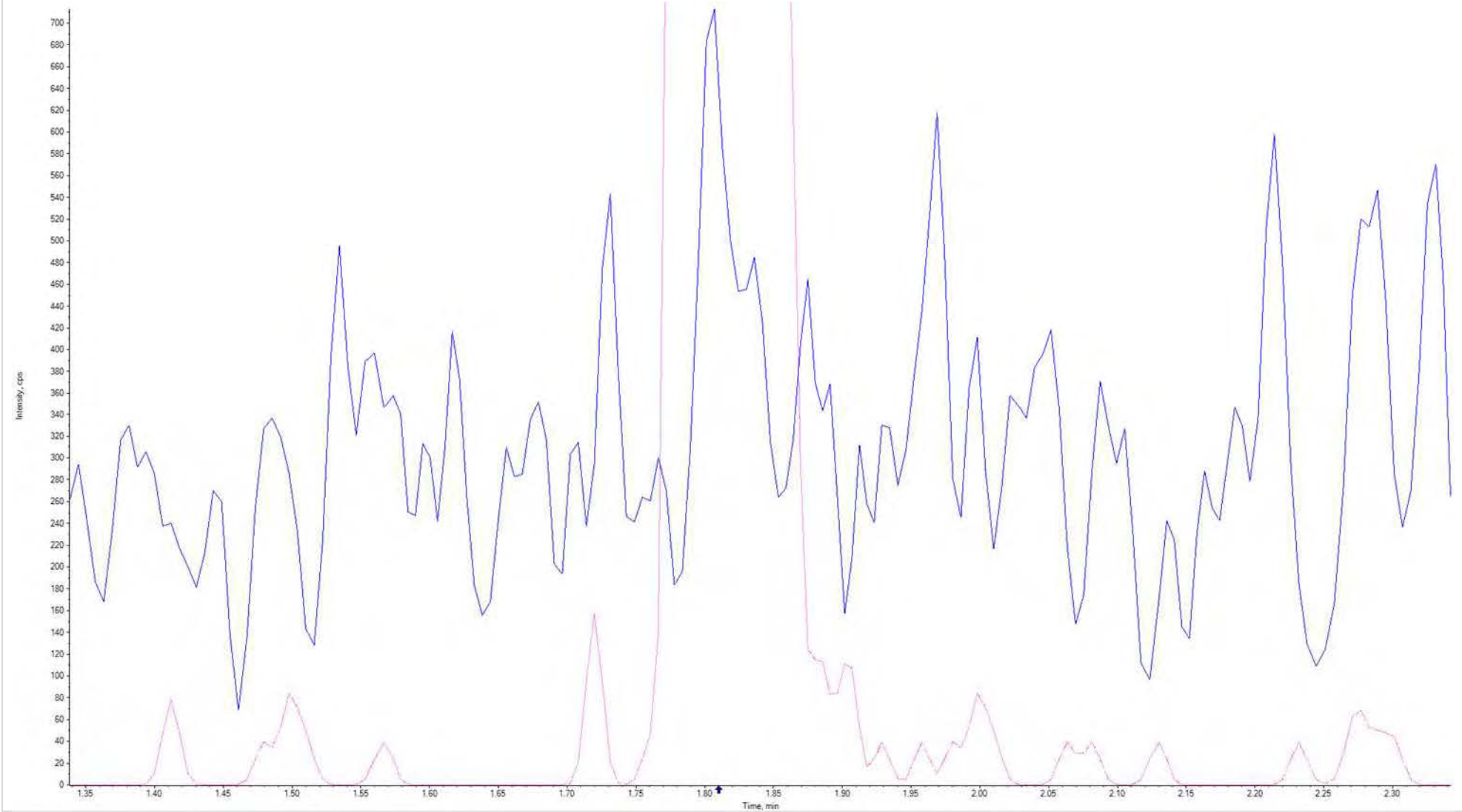
PFHxA
Sample: WG2012727-1 S/N:N/A Points Across peak:N/A



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Alpha Analytical LLC
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Last Altered: 12/24/2024 7:52:08 AM
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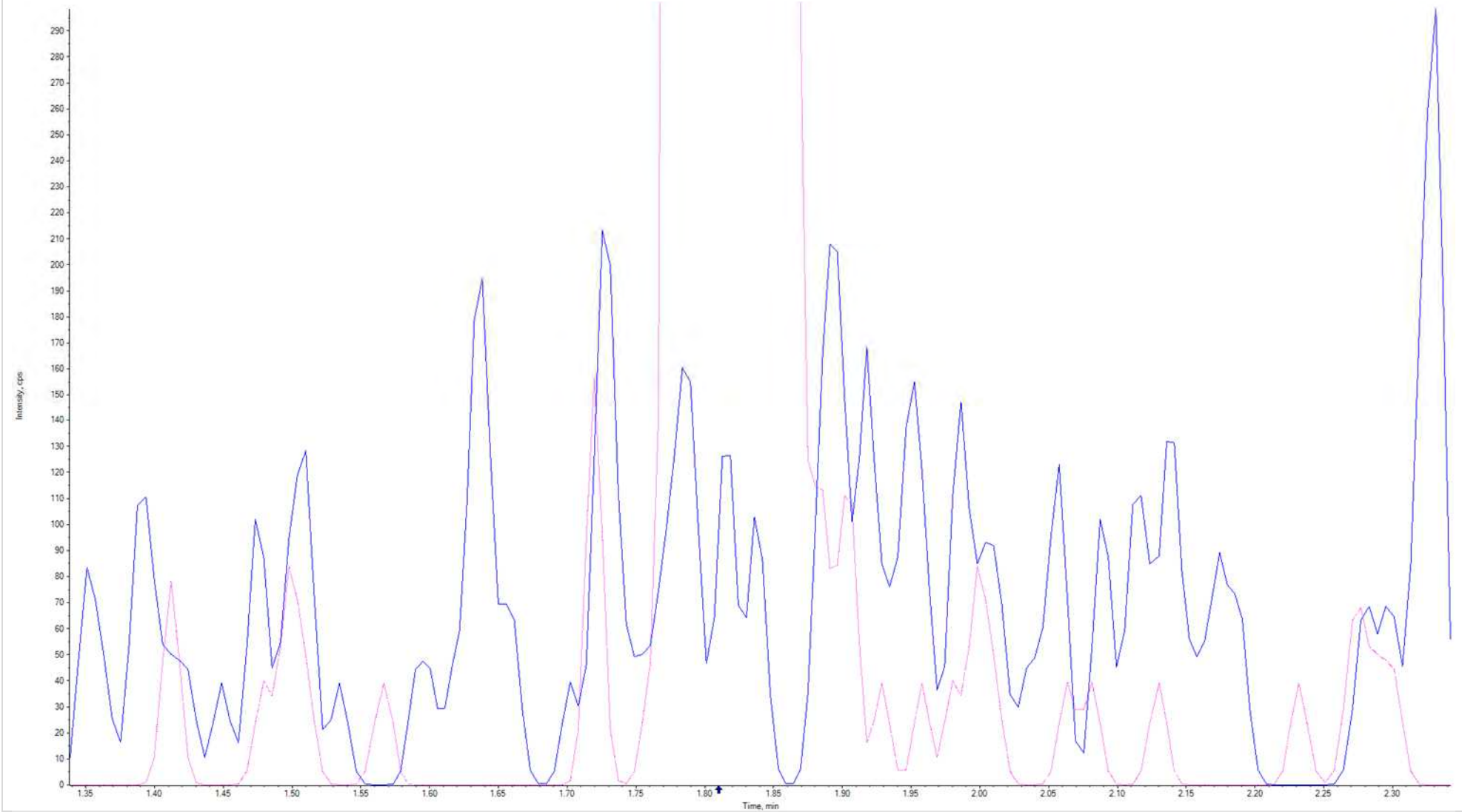
PFHxA_2
Sample: WG2012727-1 S/N:N/A Points Across peak:N/A



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PFHpA
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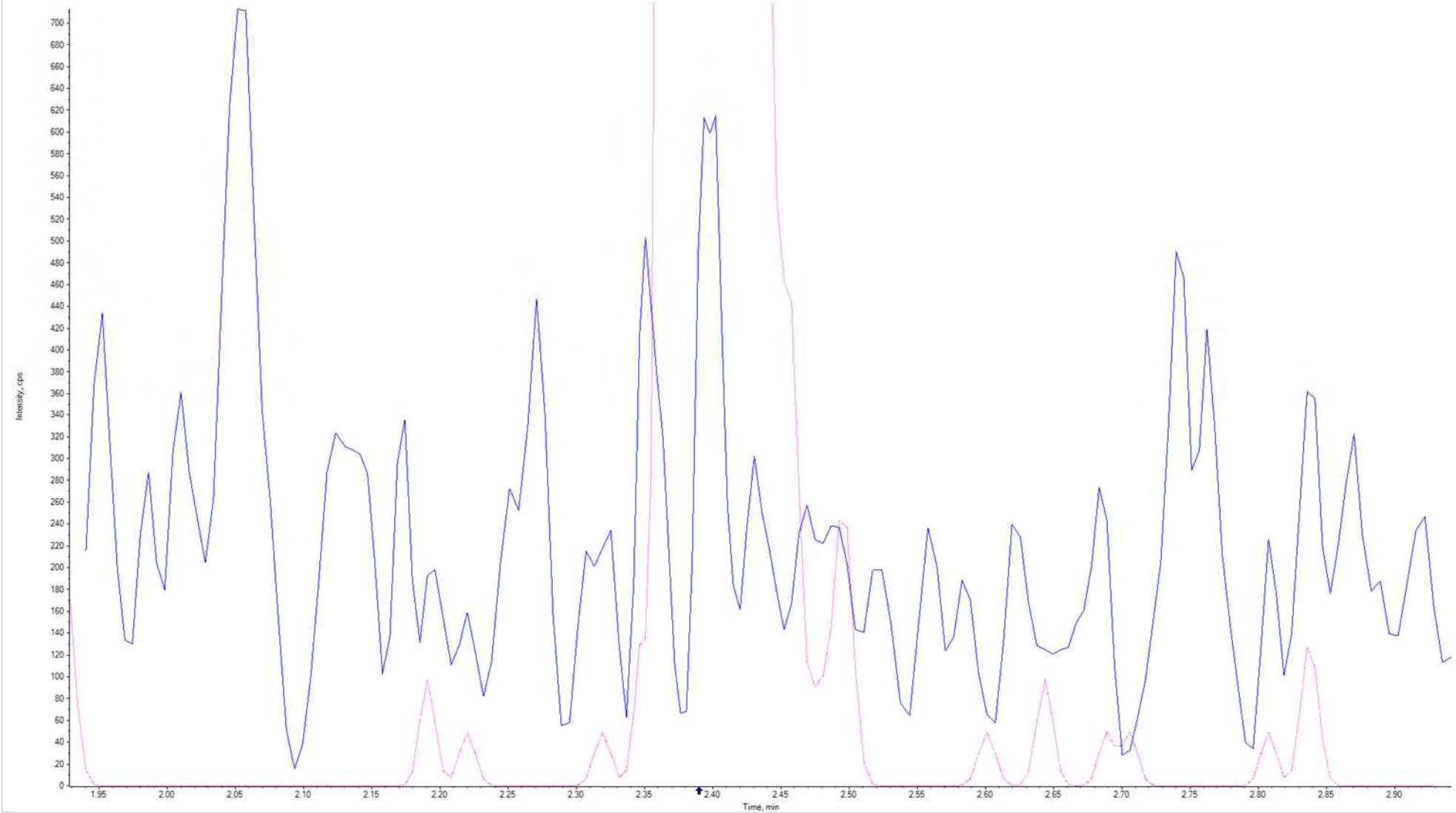

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Alpha Analytical LLC
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PFHpA_2
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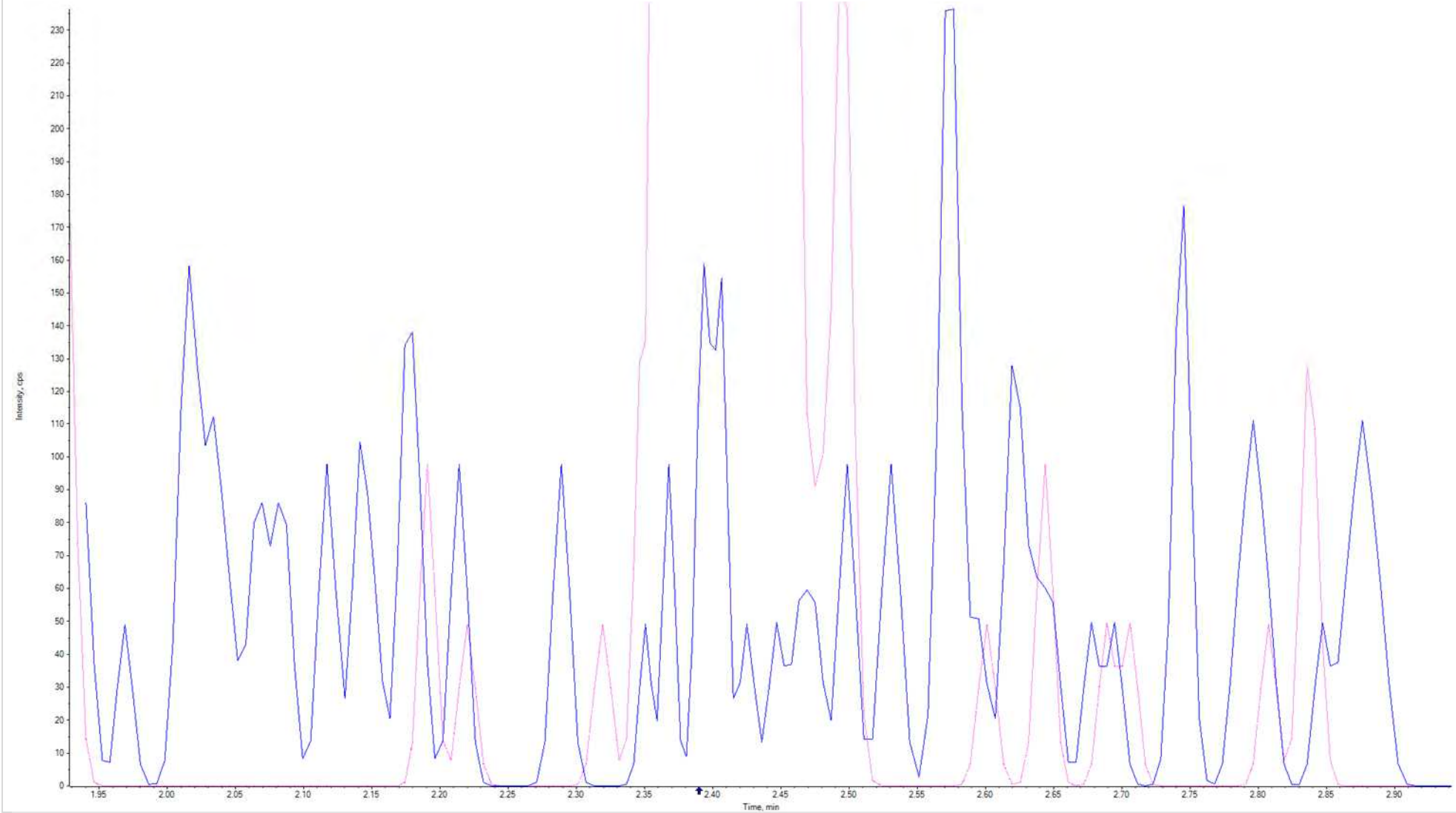

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PFOA
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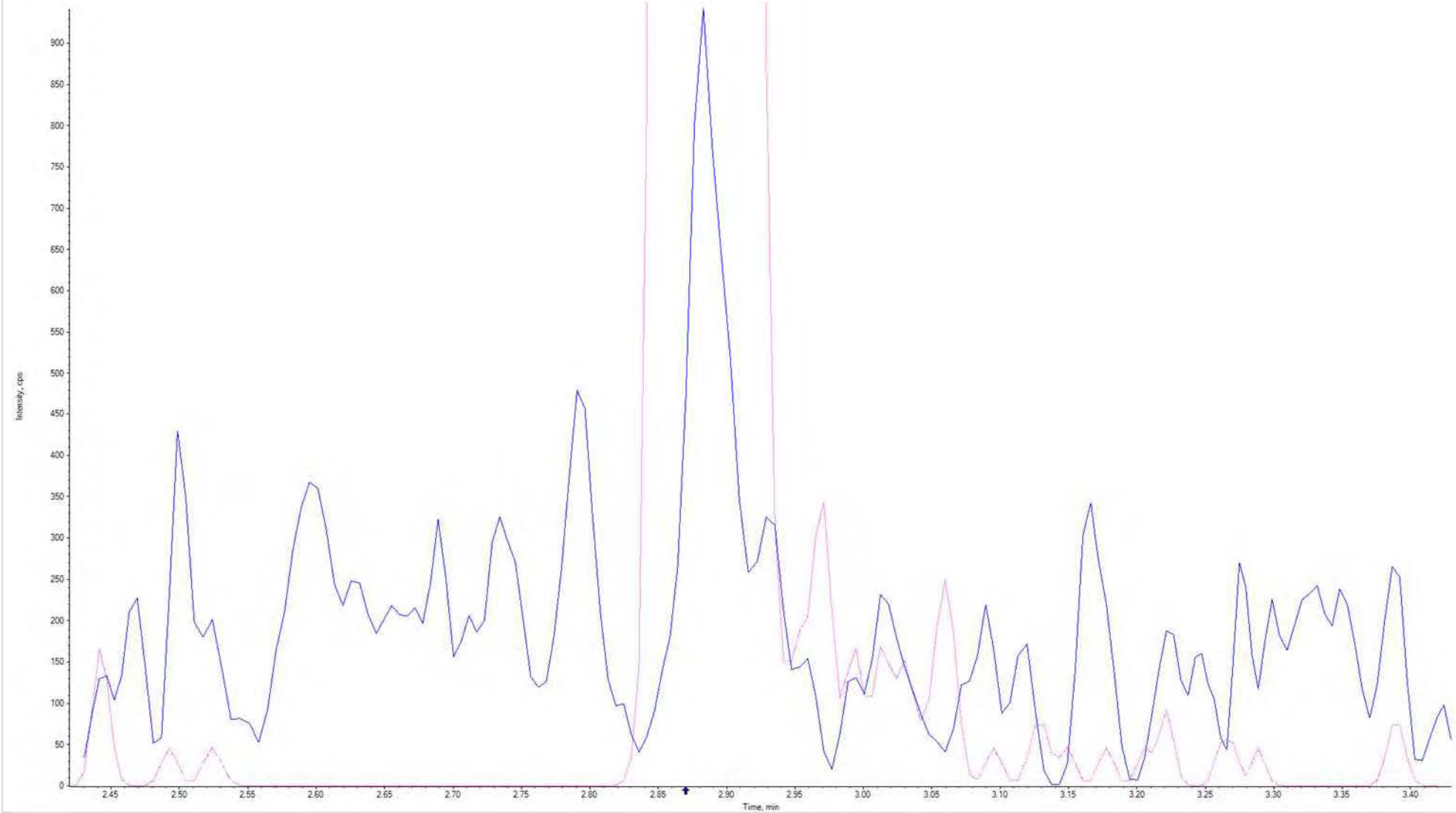

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PFOA_2
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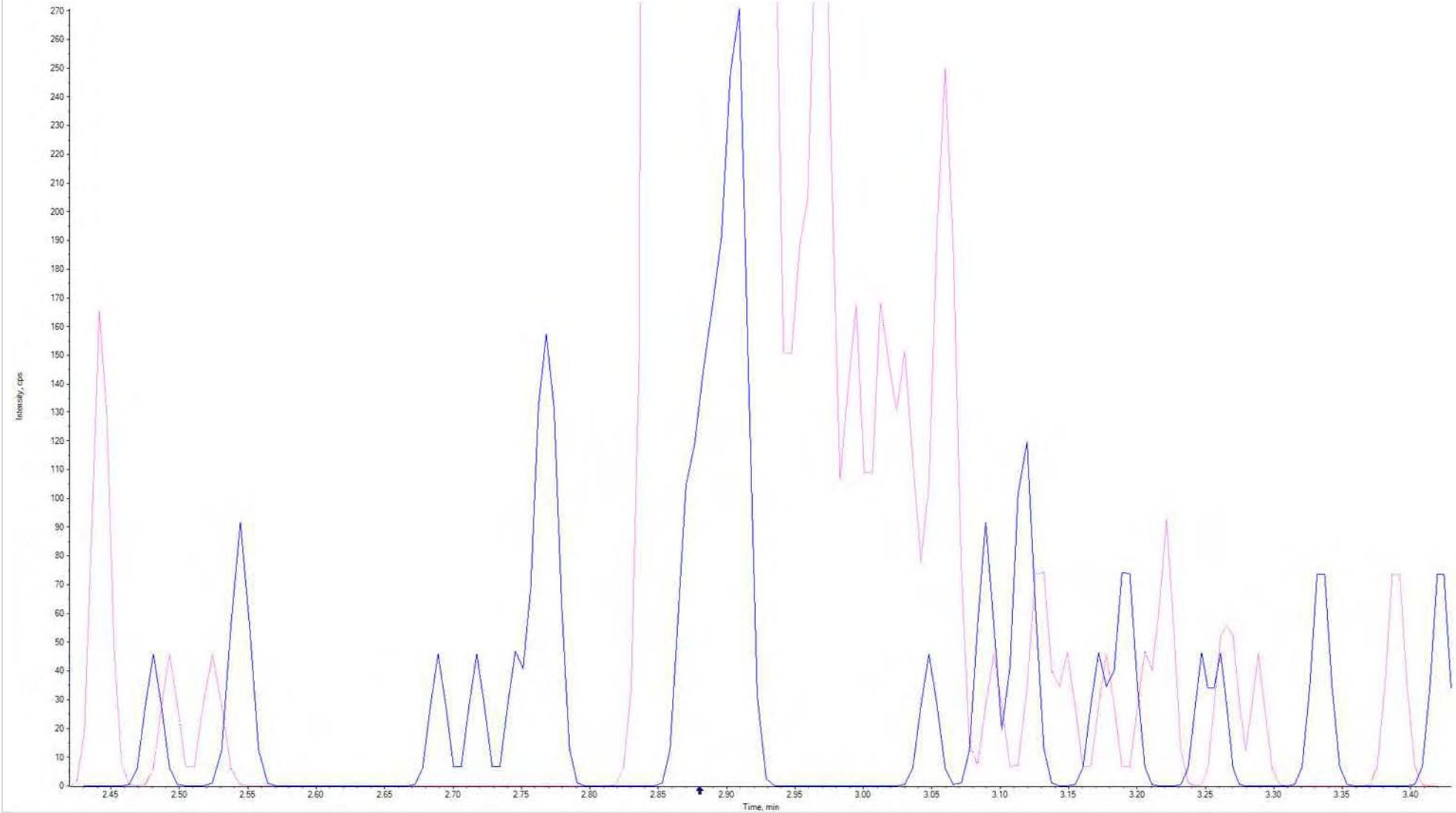

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PFNA
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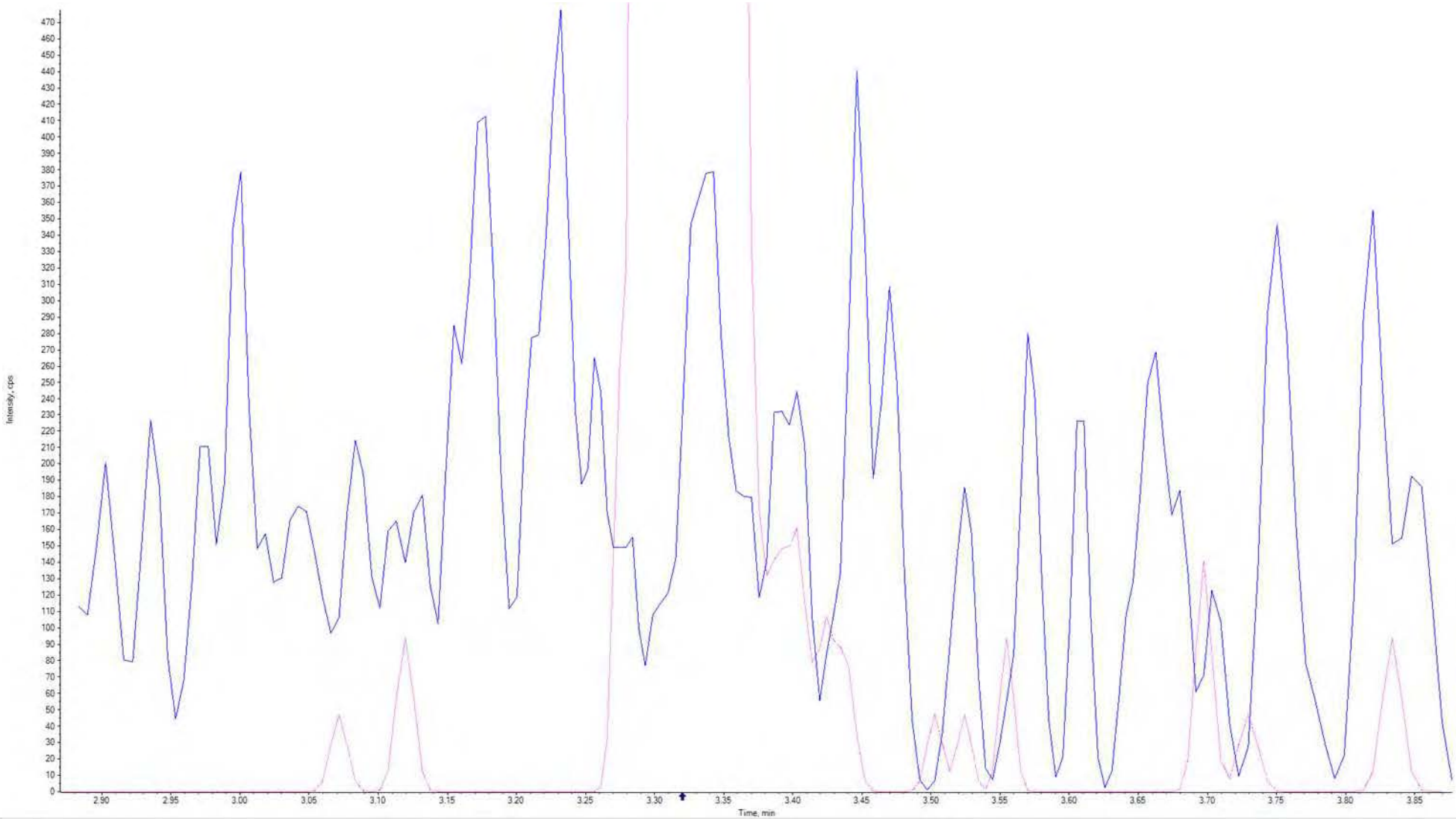

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PFNA_2
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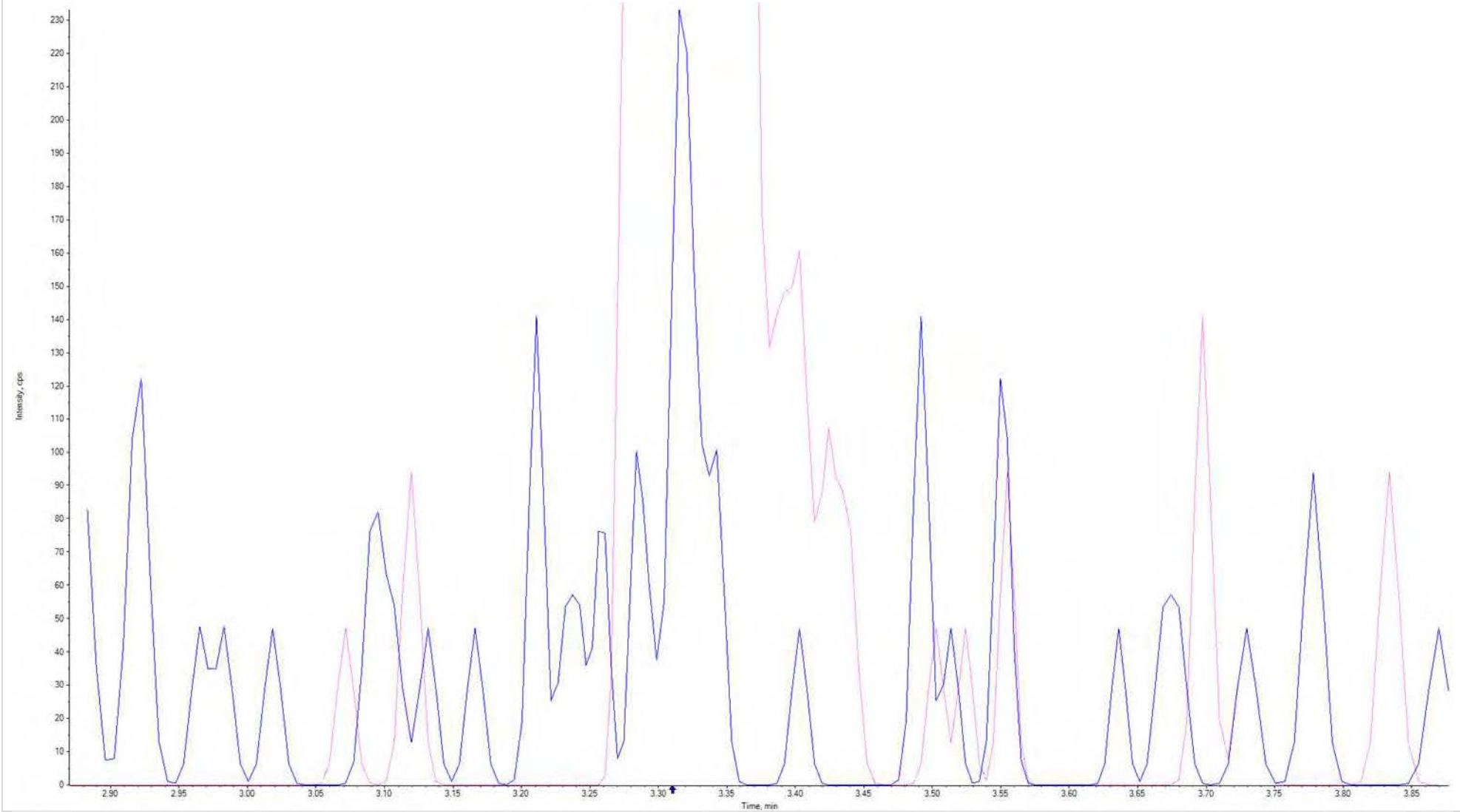

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PFDA
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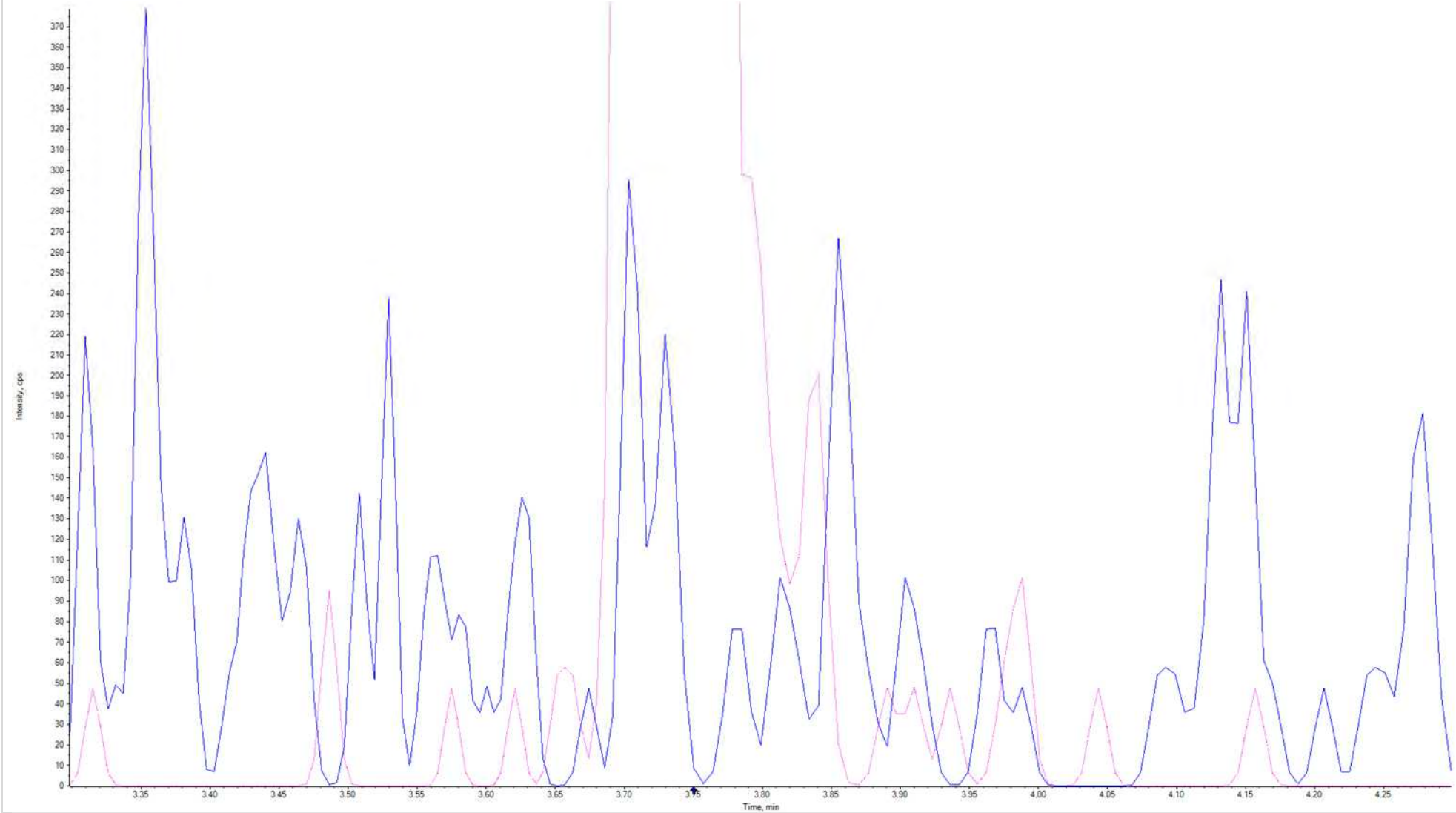

PFDA_2
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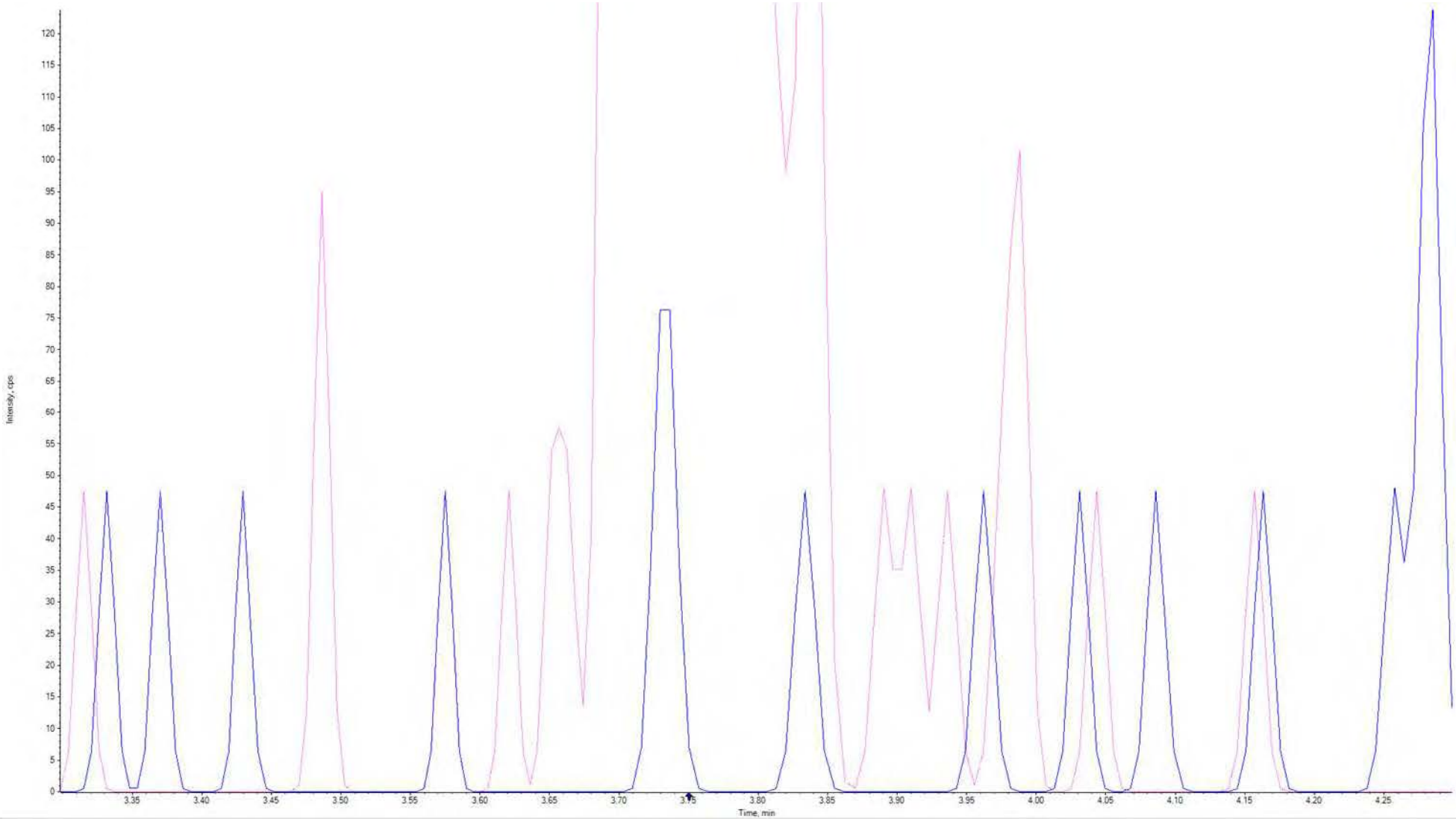

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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PFUnA
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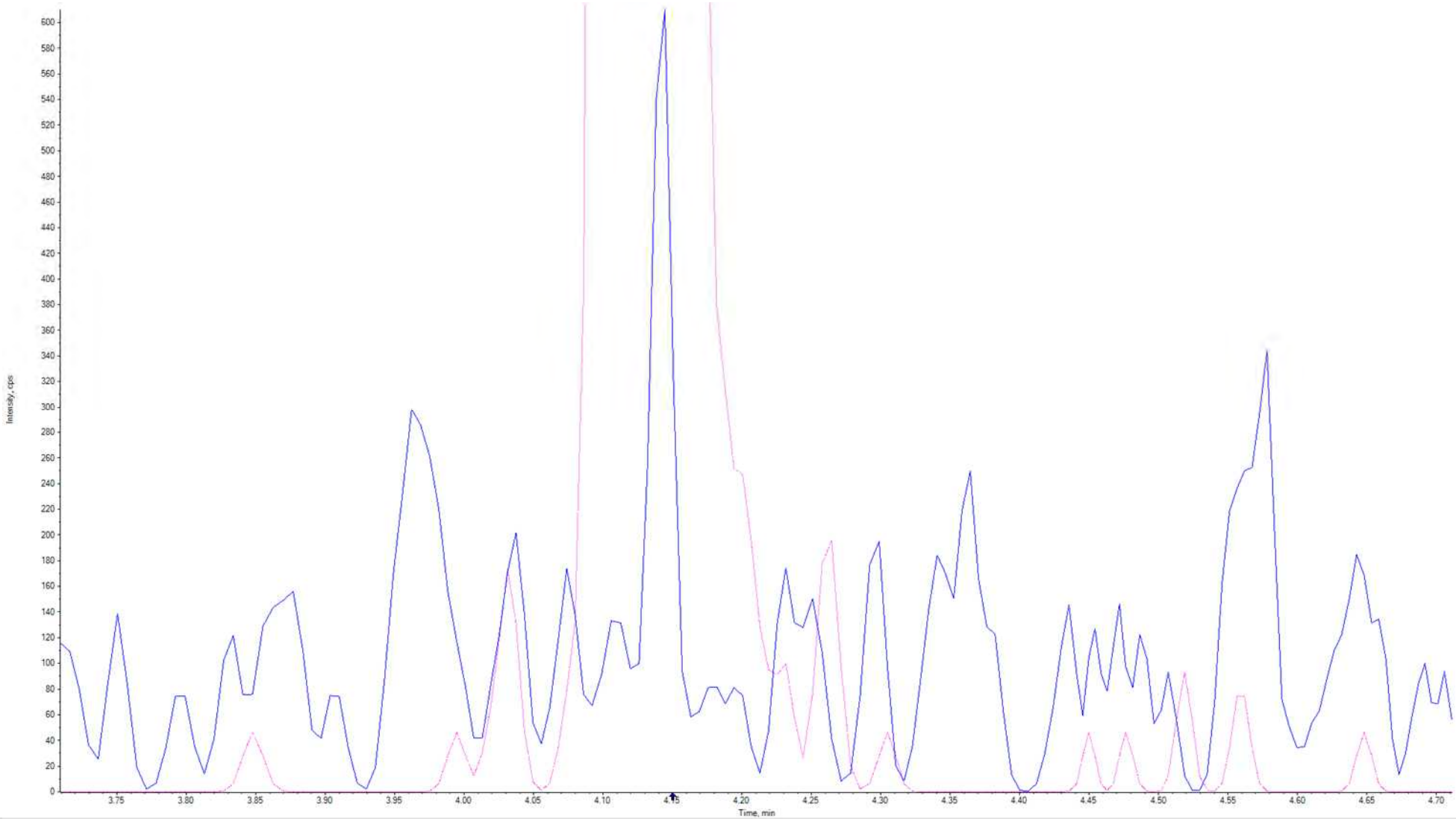

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PFUnA_2
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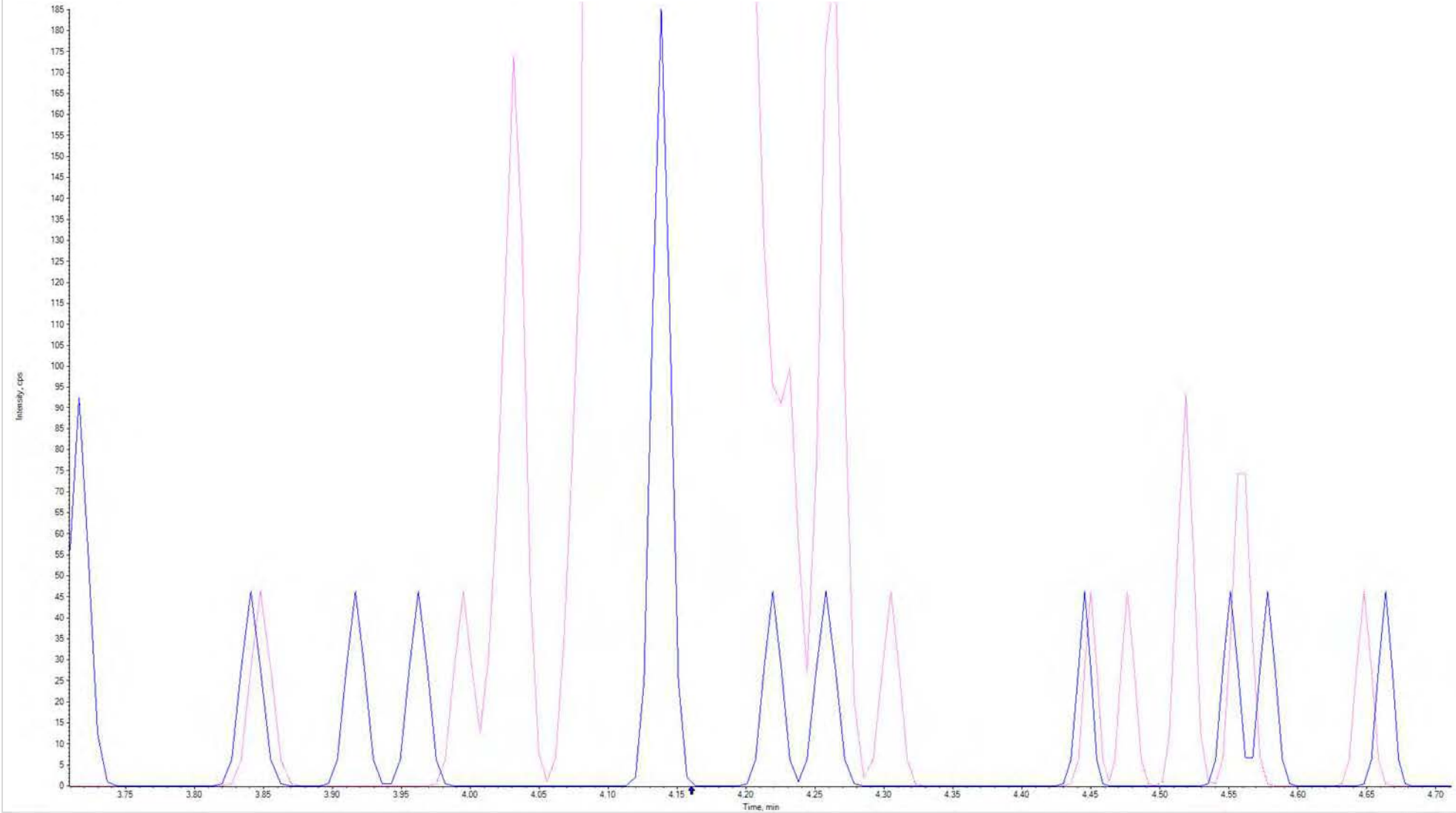

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PFDoA
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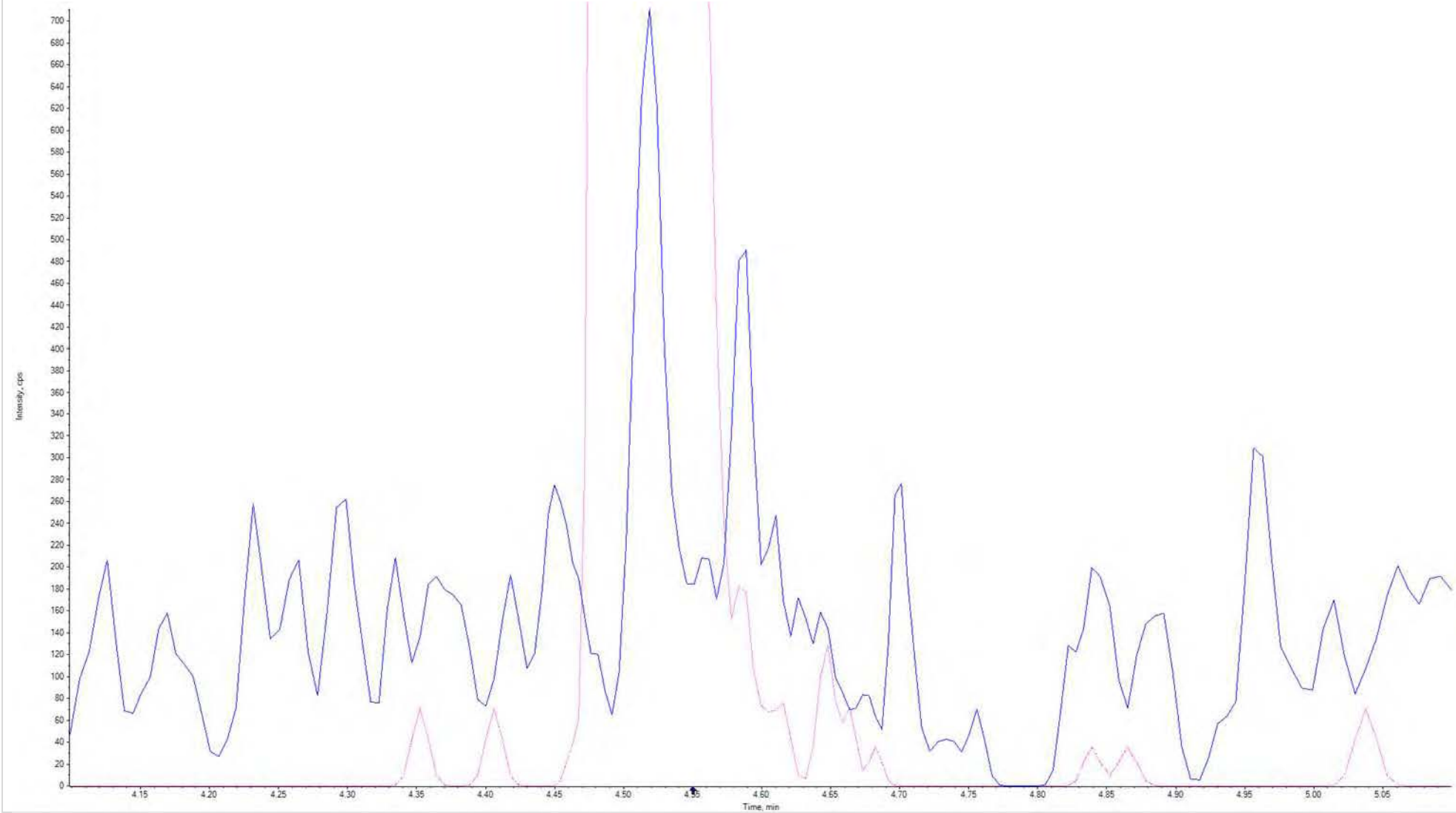

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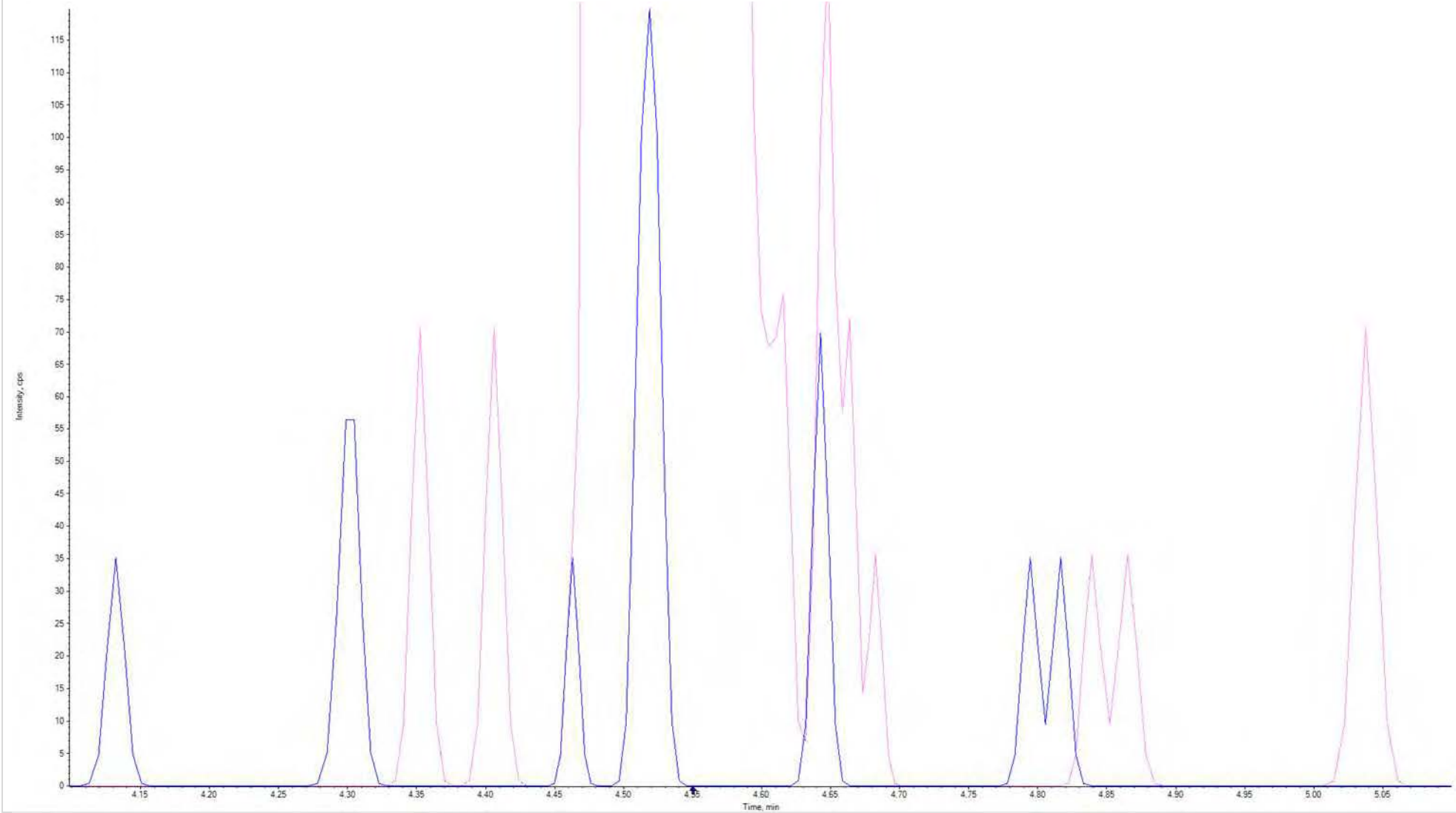
PFDoA_2
Sample: WG2012727-1 S/N:N/A Points Across peak:N/A



PFTrDA
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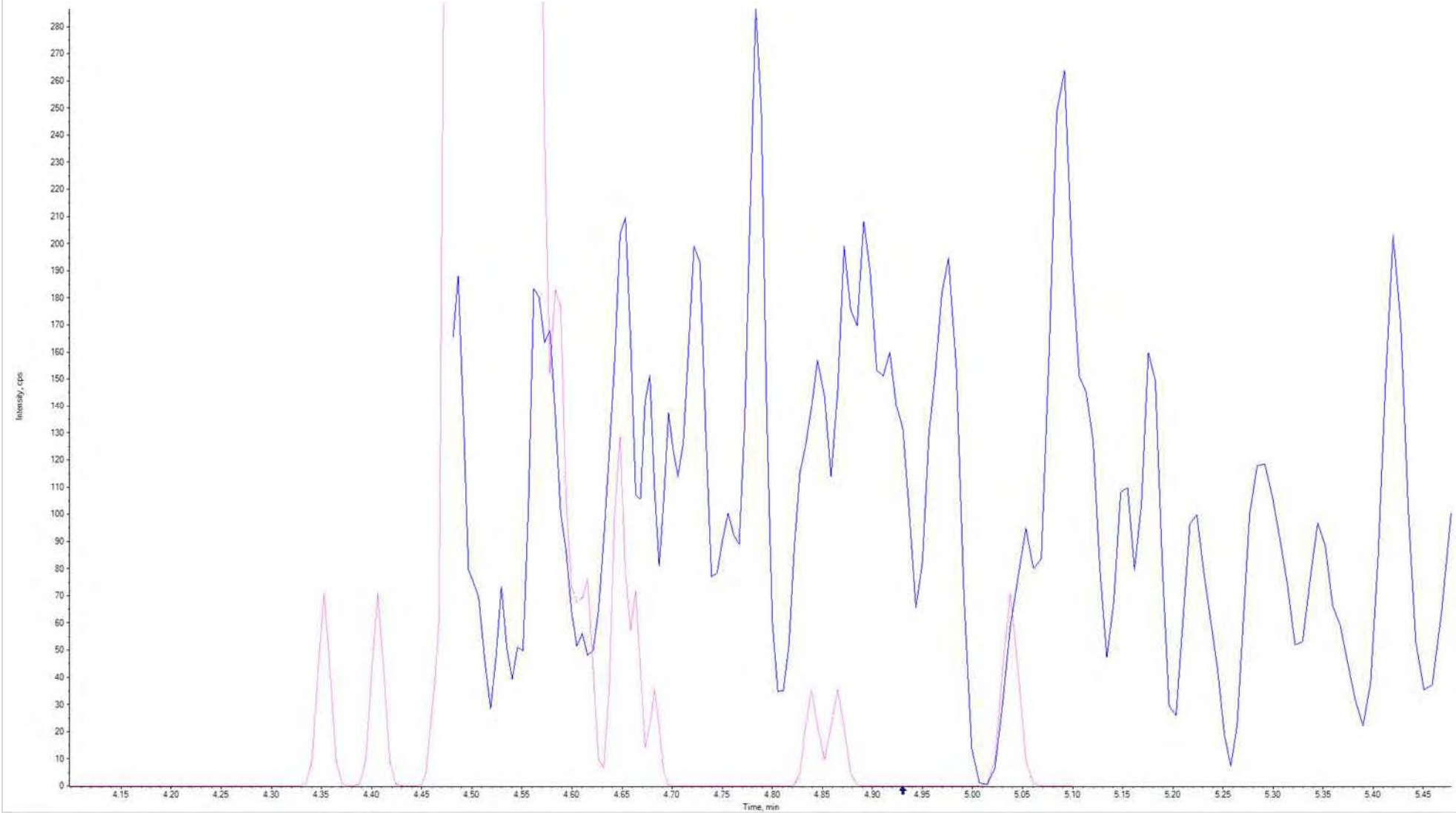

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PFTrDA_2
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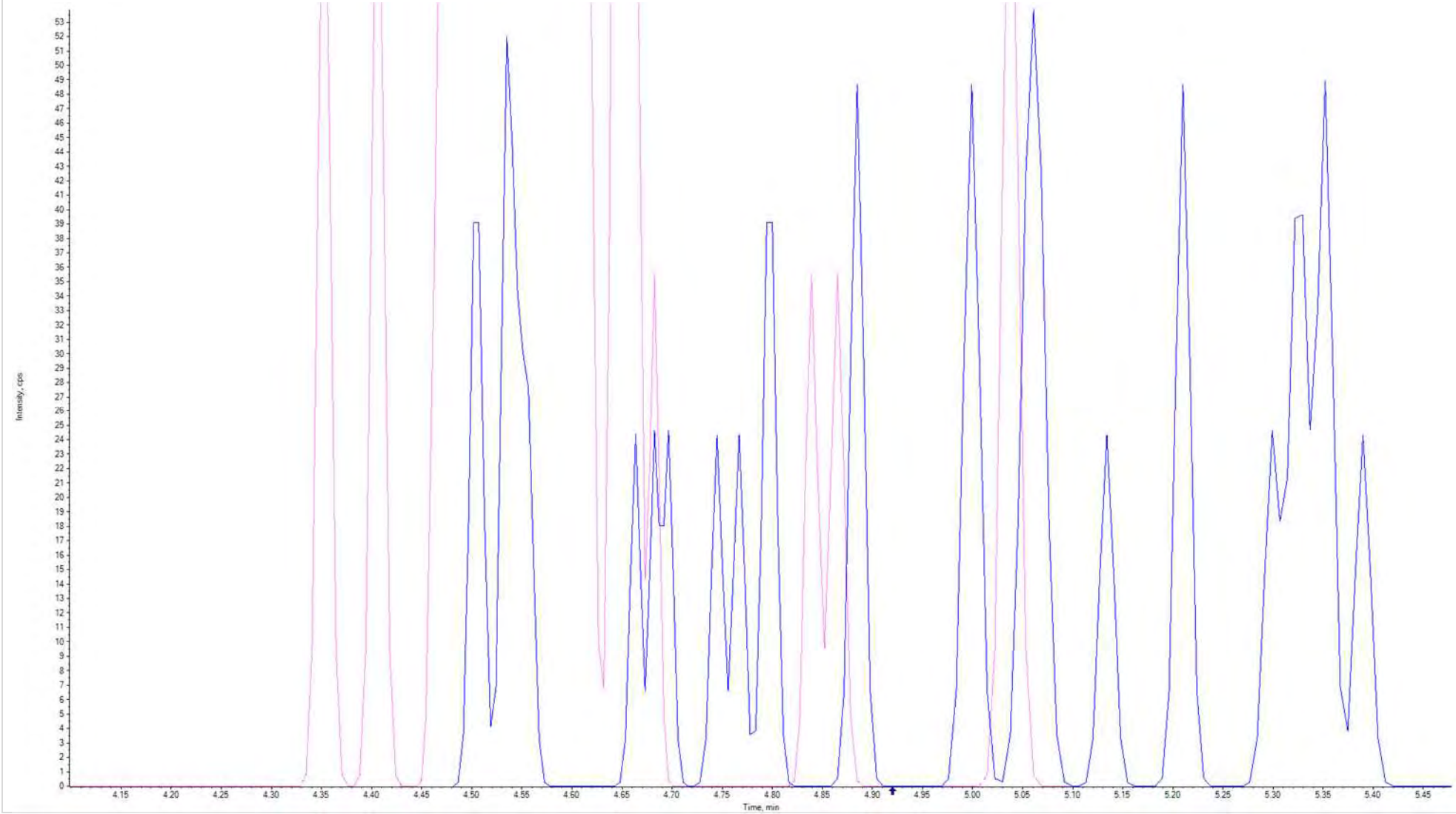

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PFTeDA
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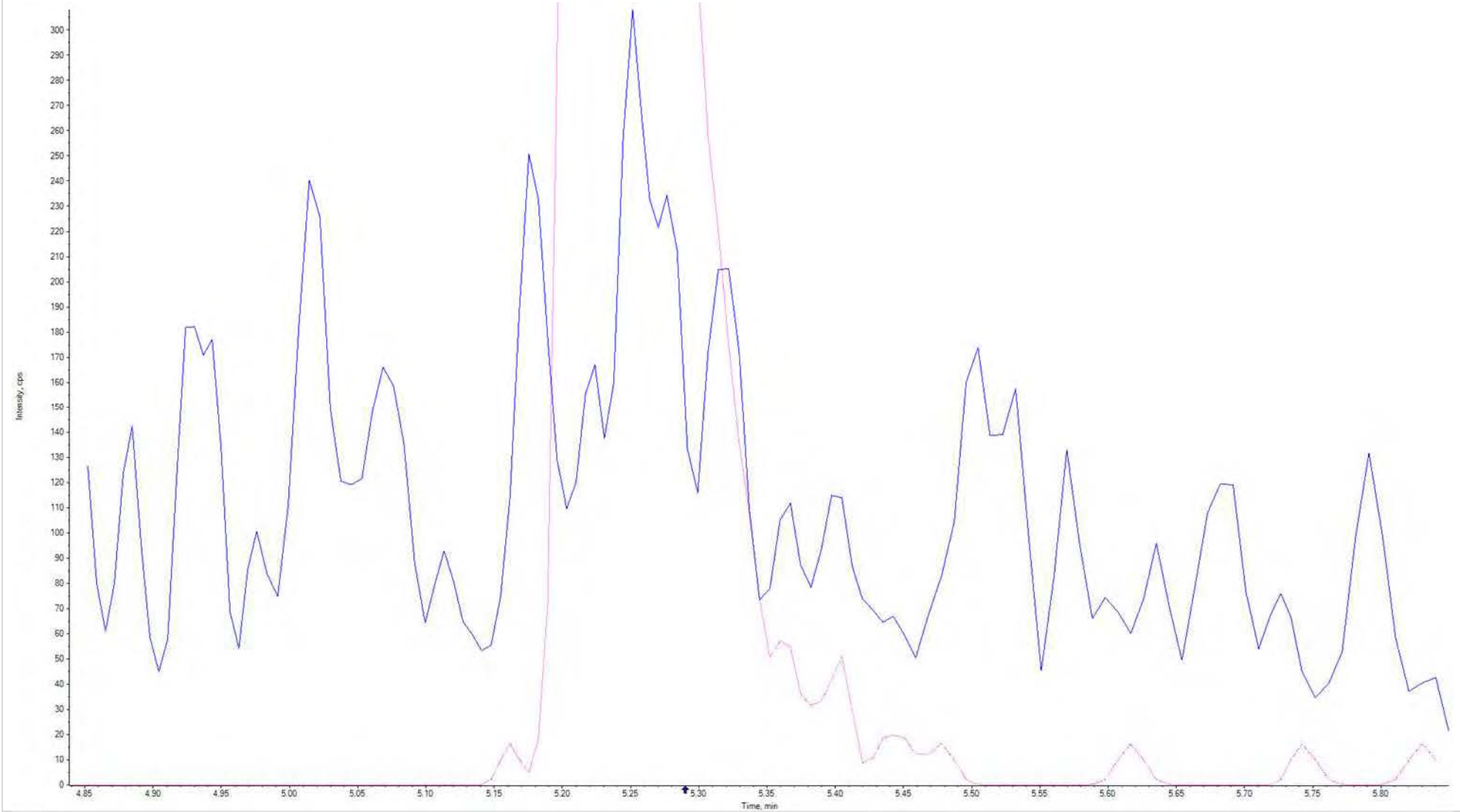

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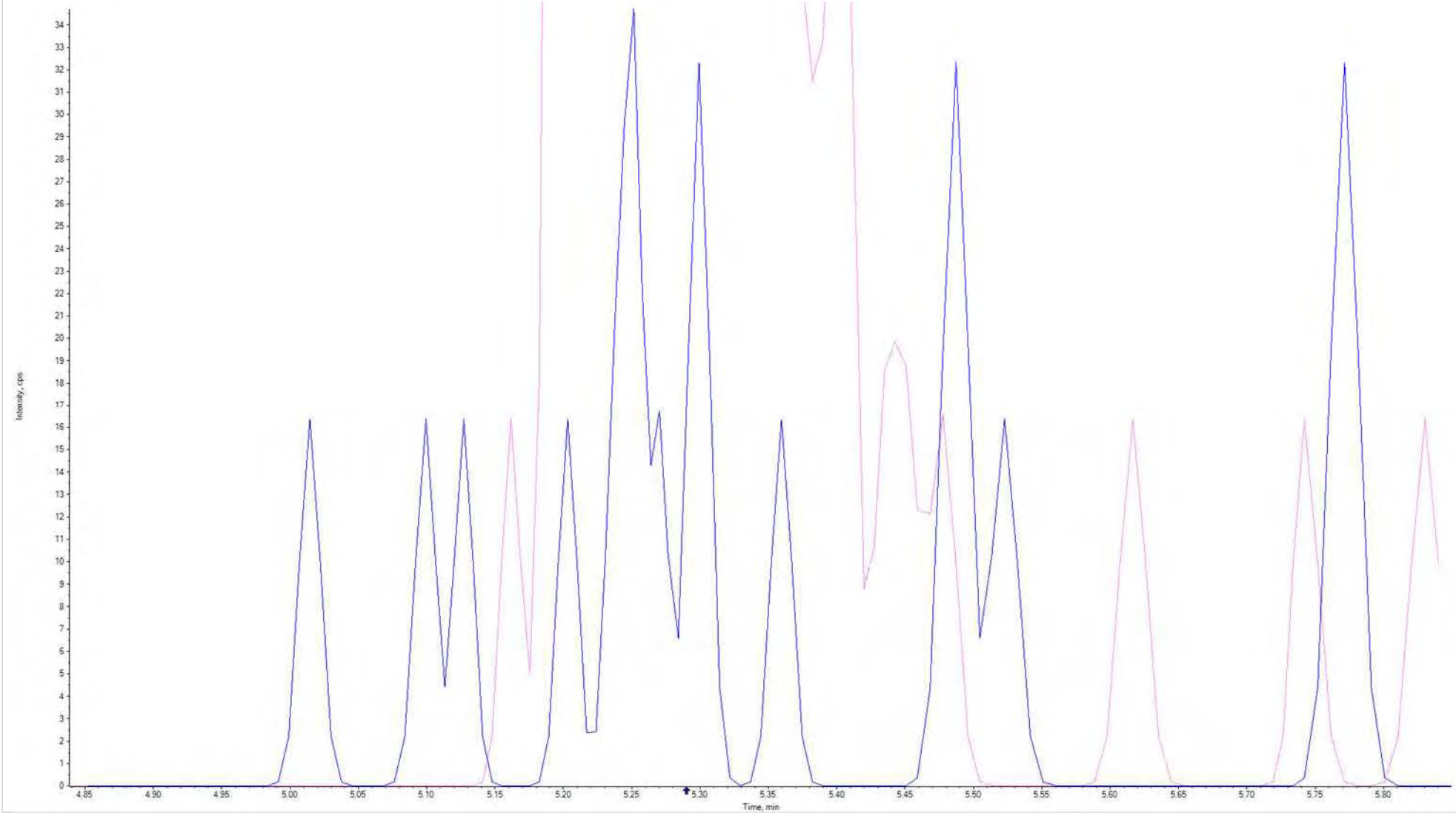

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PFBS
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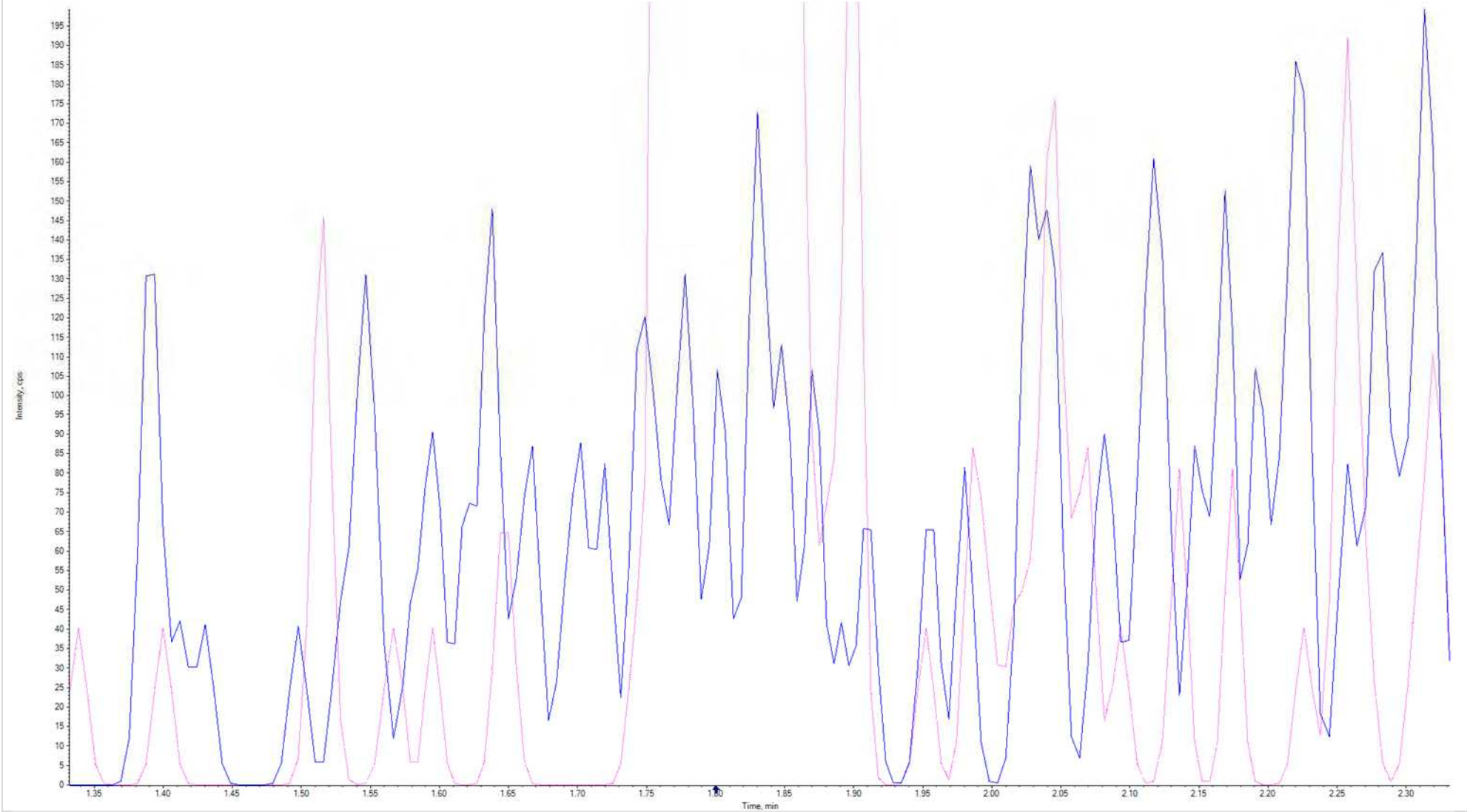

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PFBS_2
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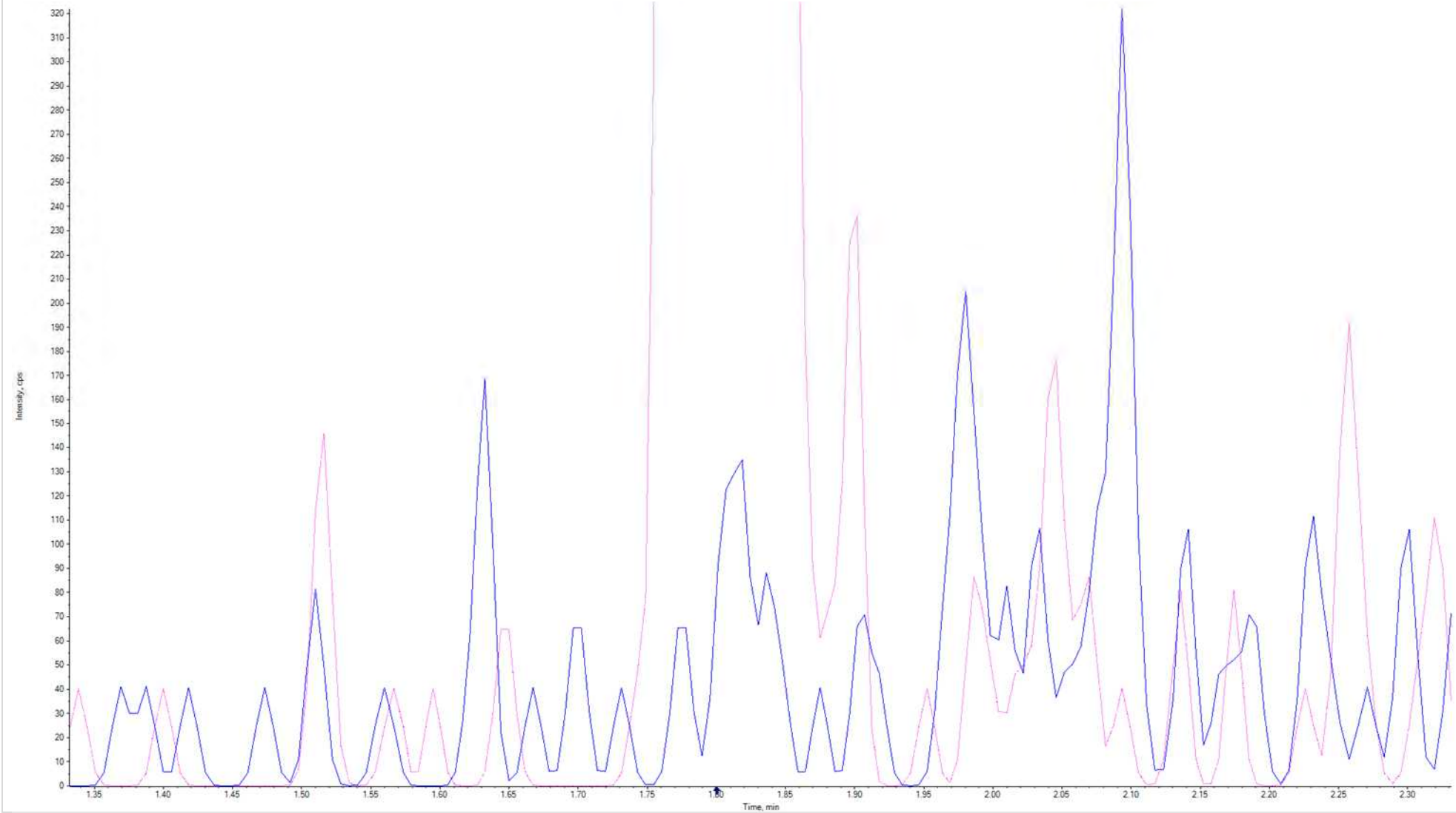

PFPeS
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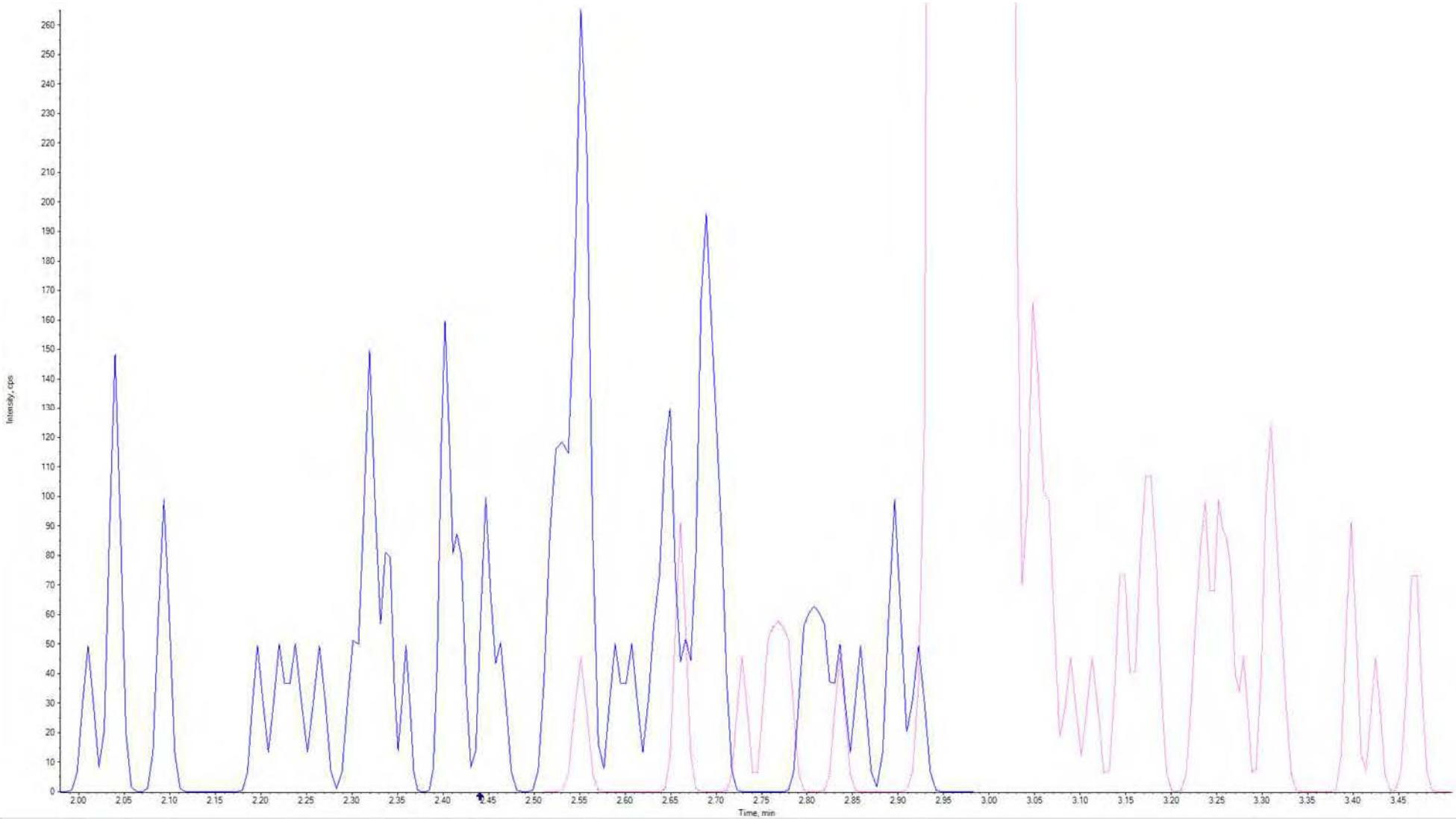

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PFPeS_2
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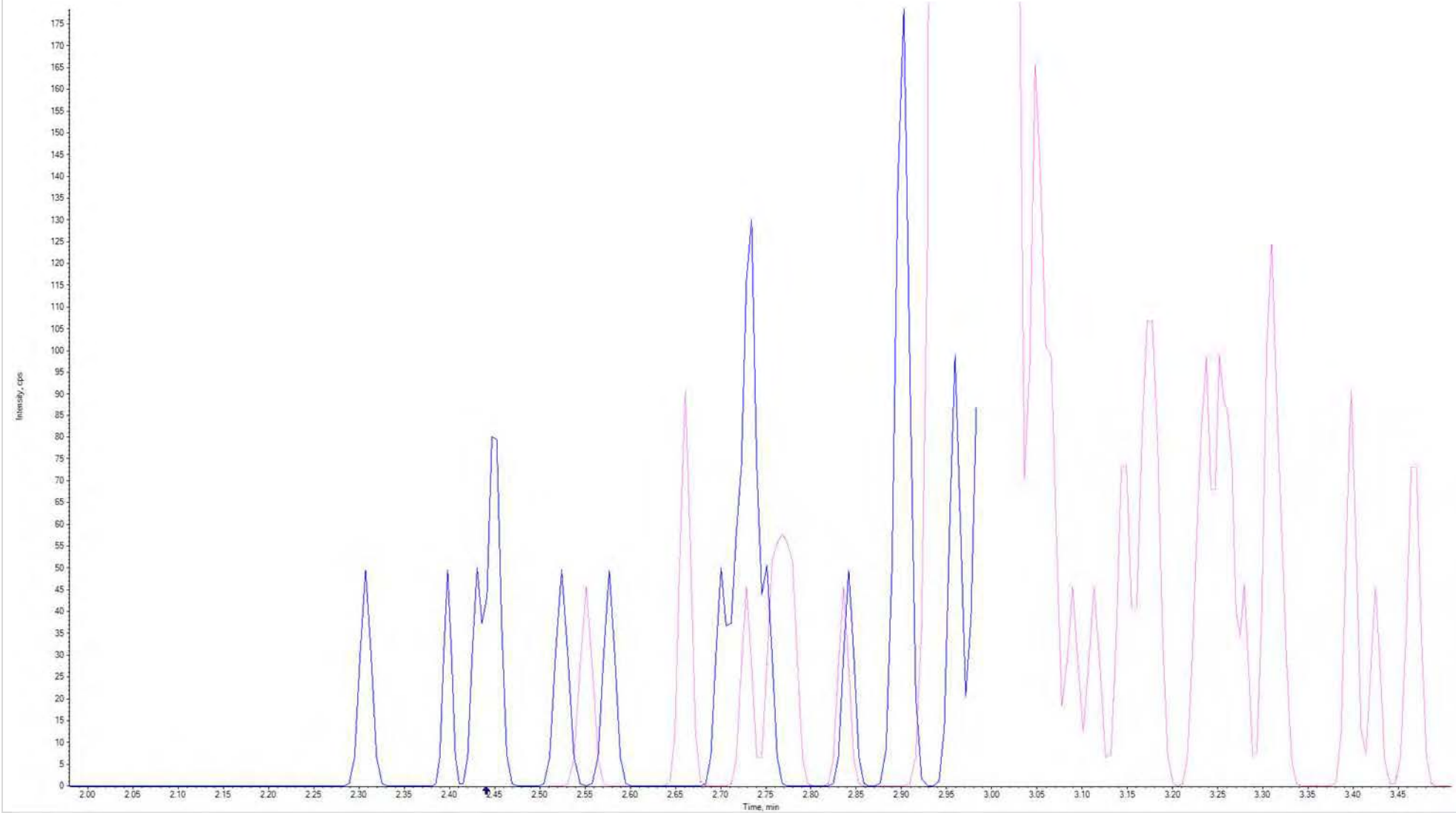

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PFHxS
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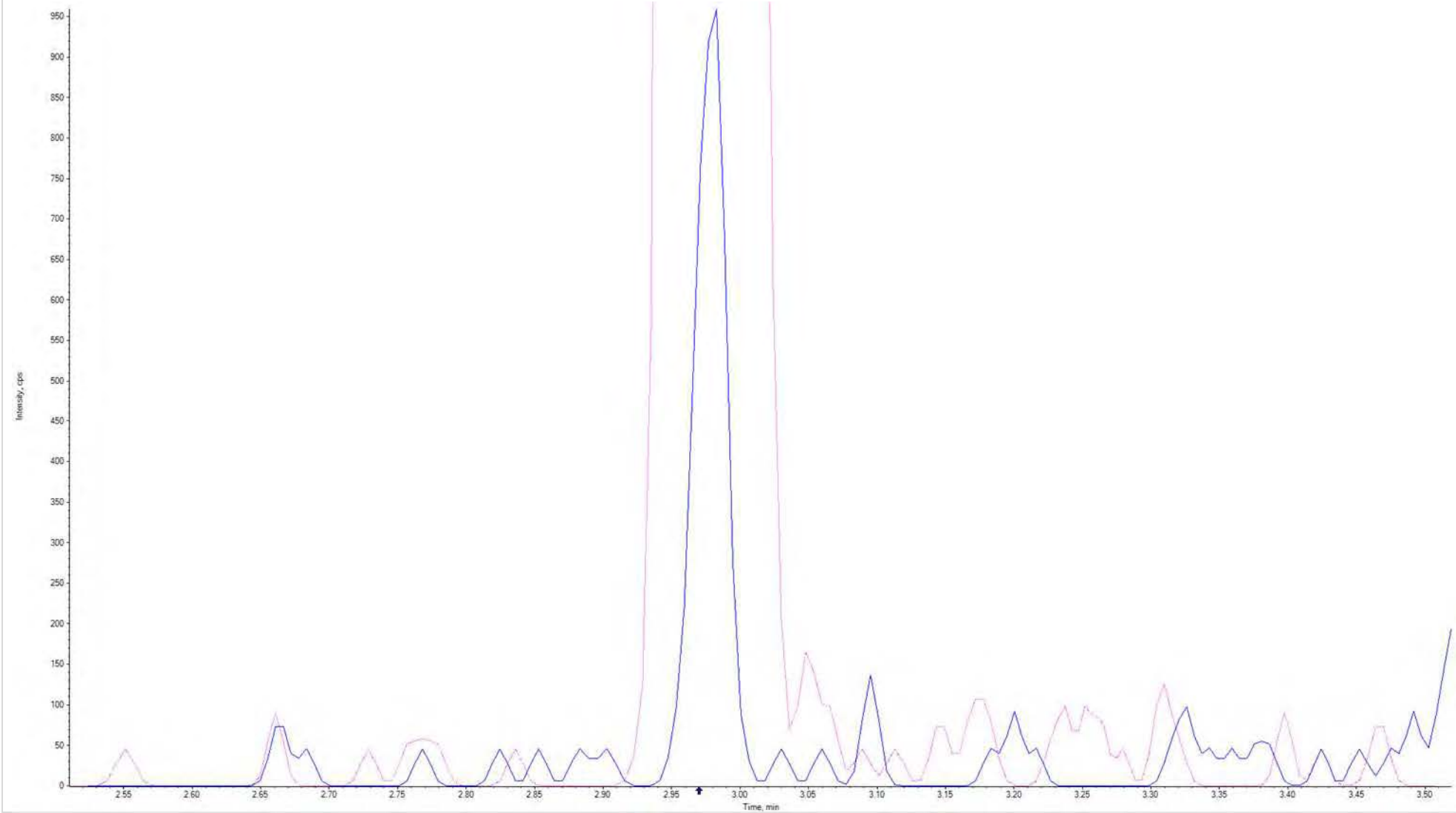

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PFHxS_2
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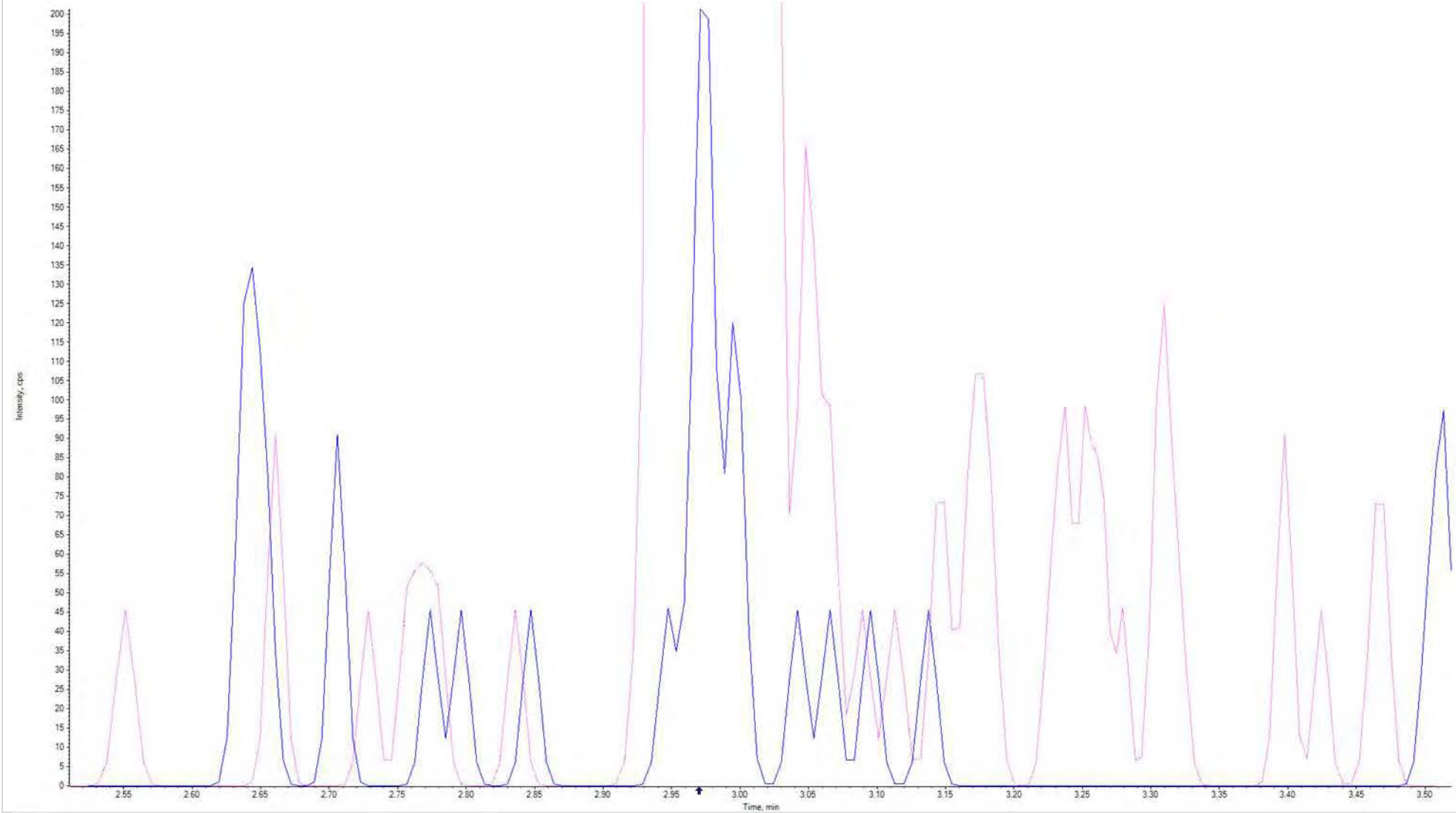

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PFHpS
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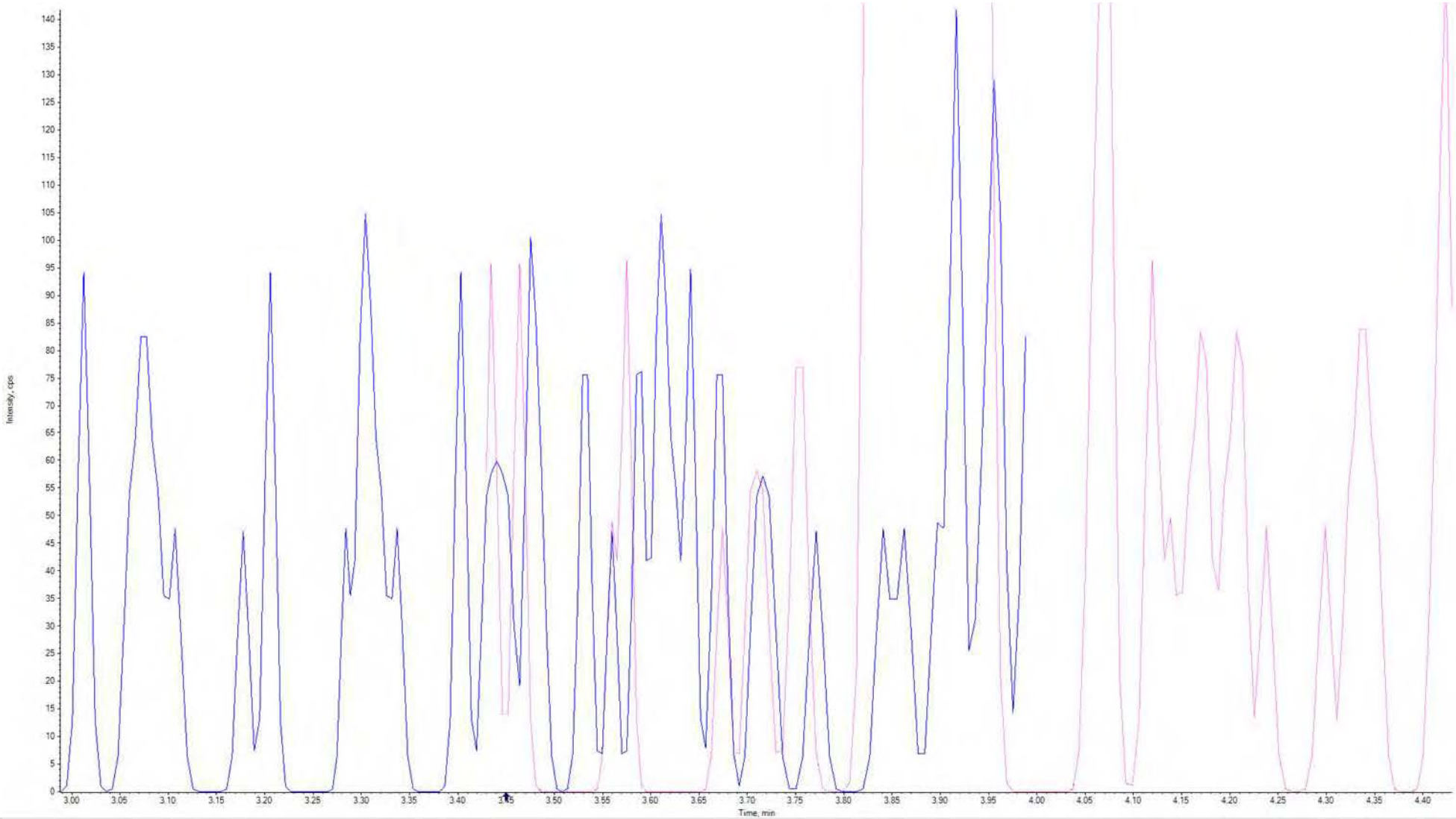

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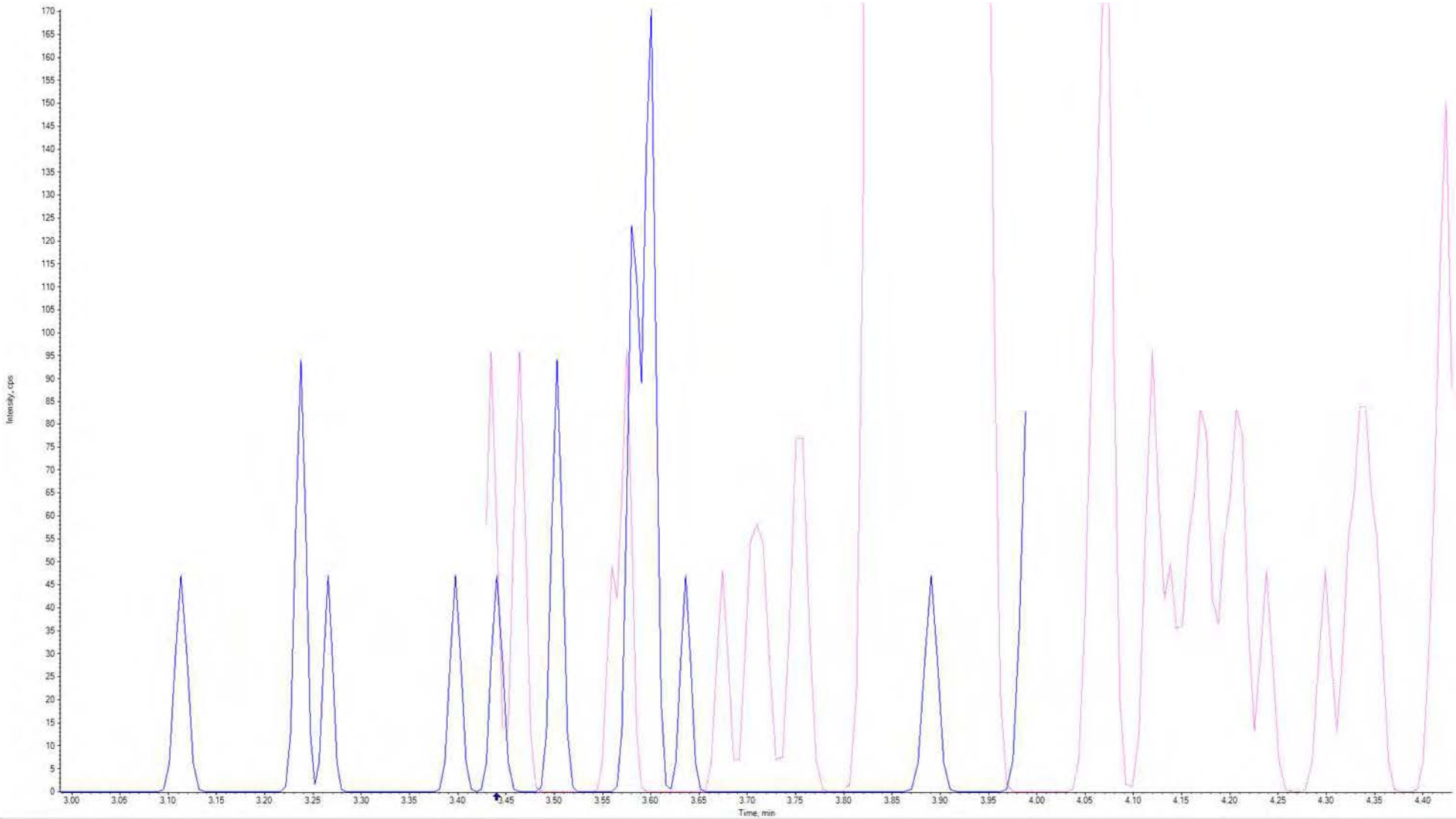

PFOS
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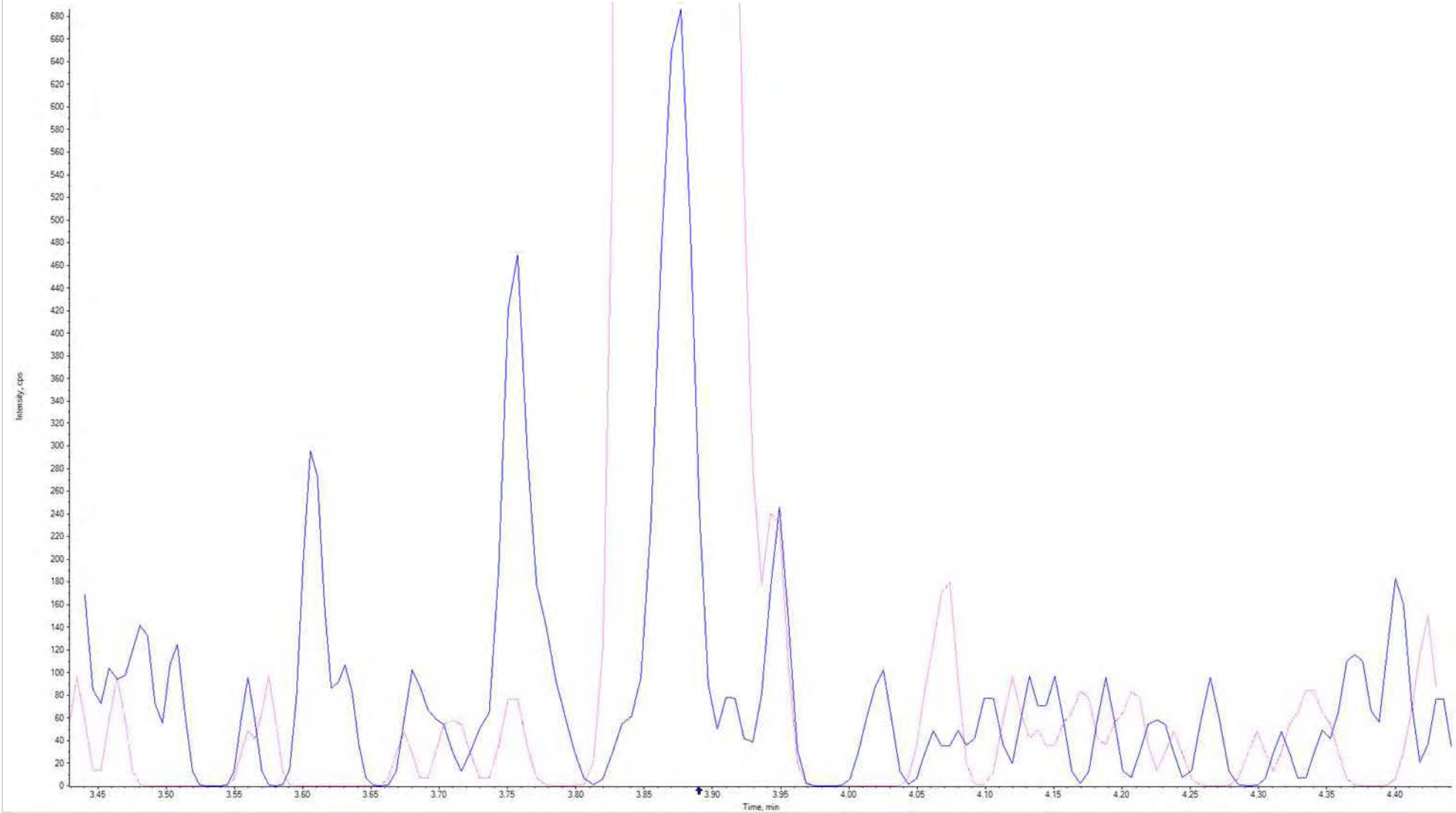

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PFOS_2
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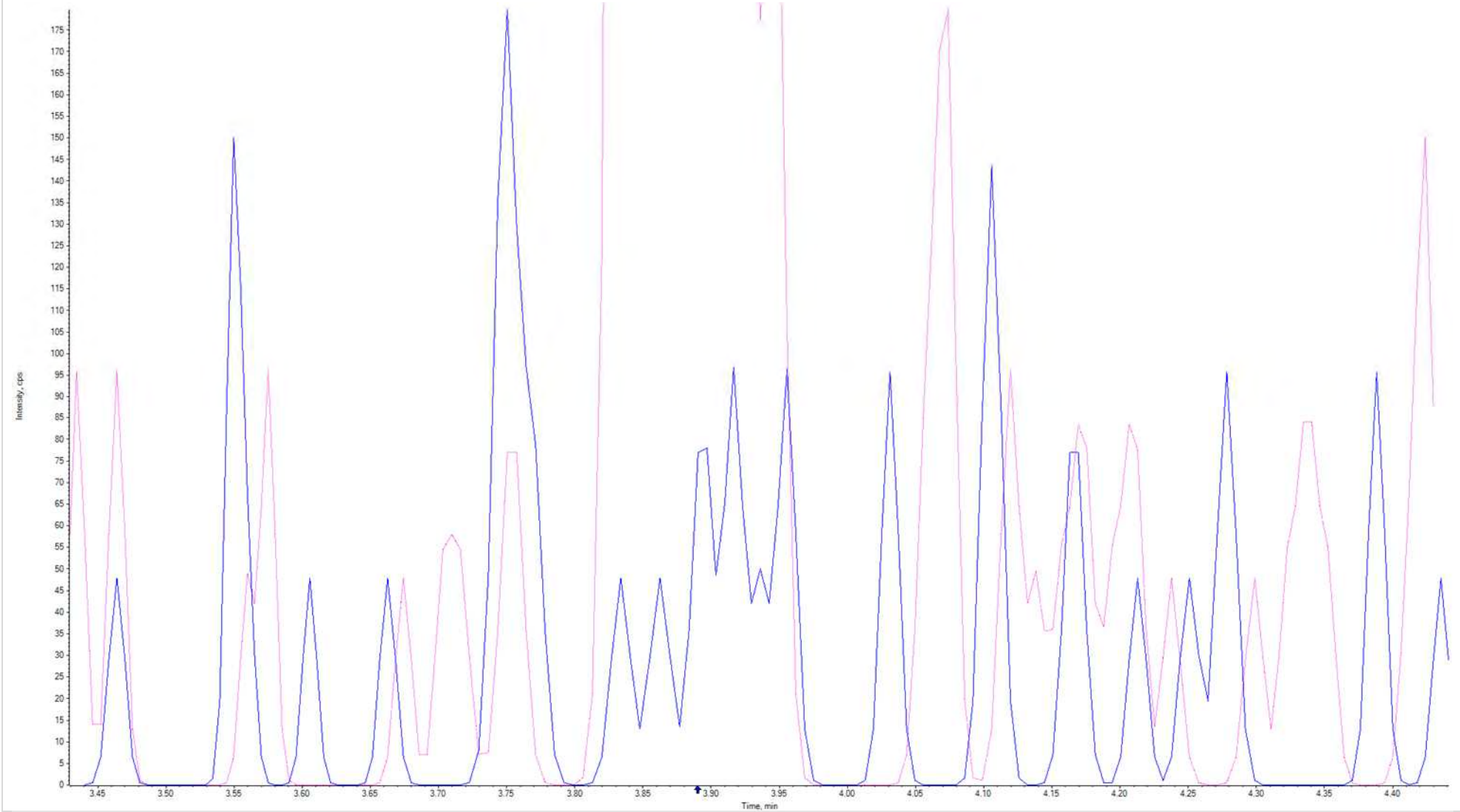

PFNS
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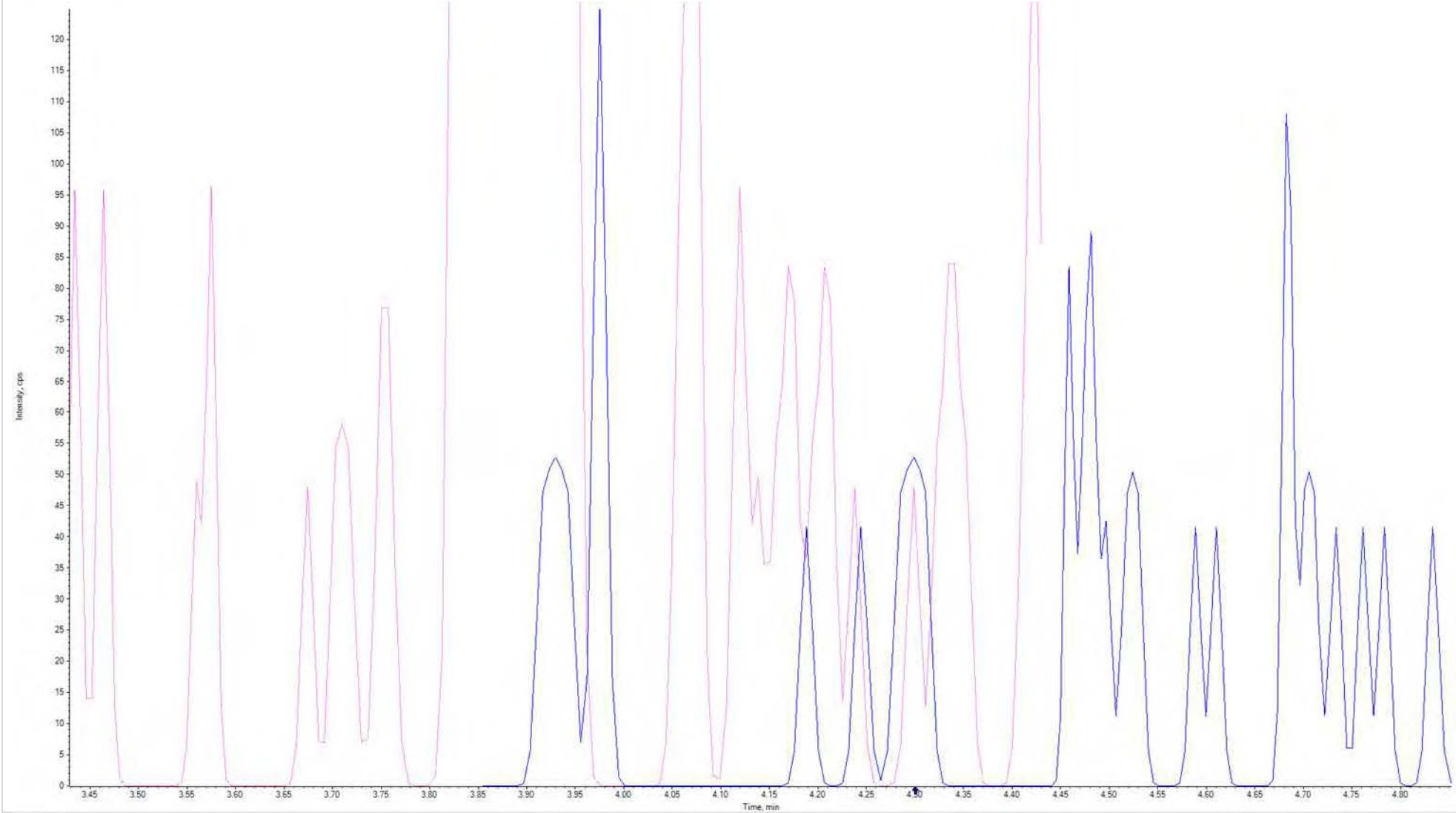

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PFNS_2
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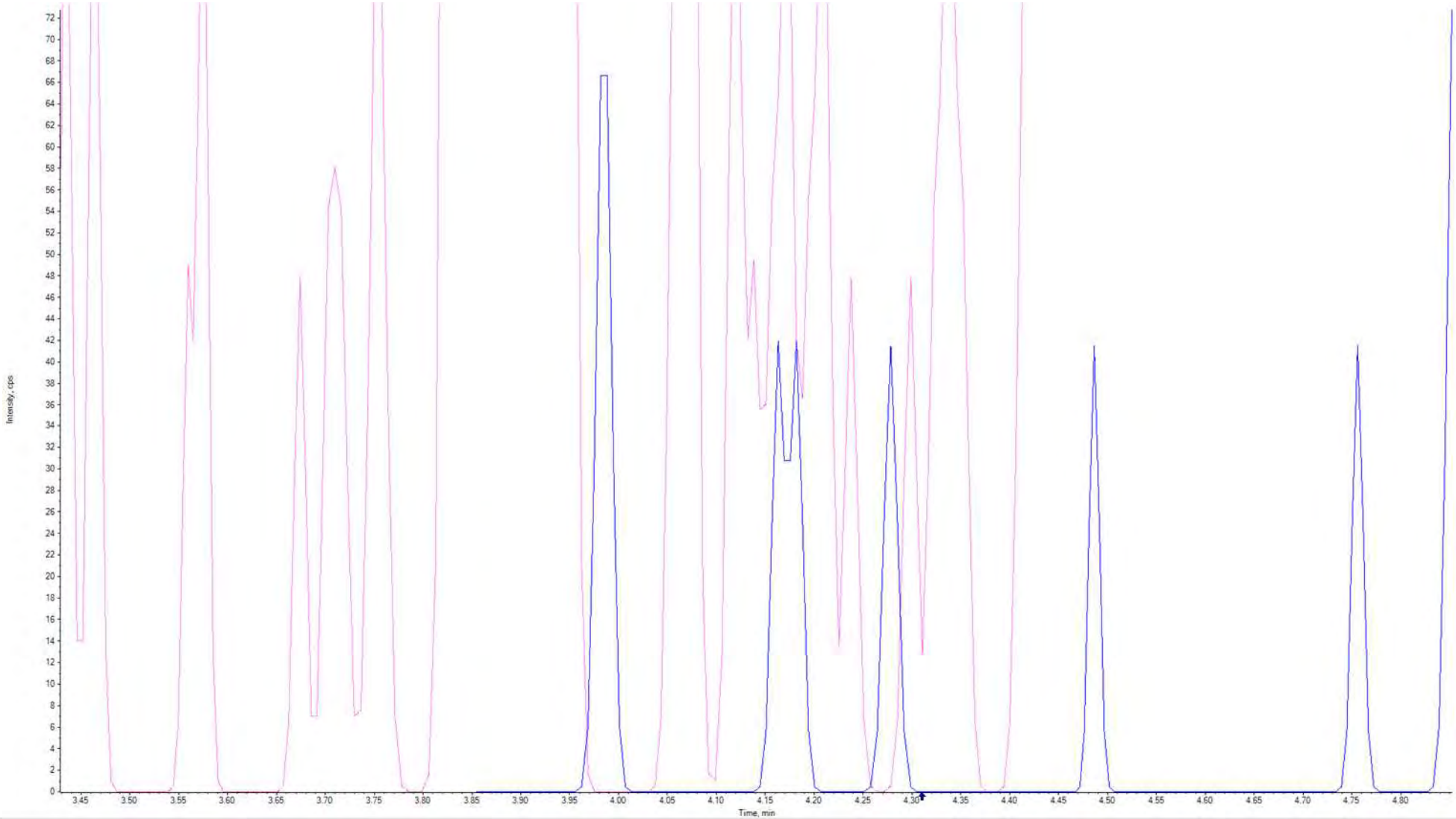

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PFDS
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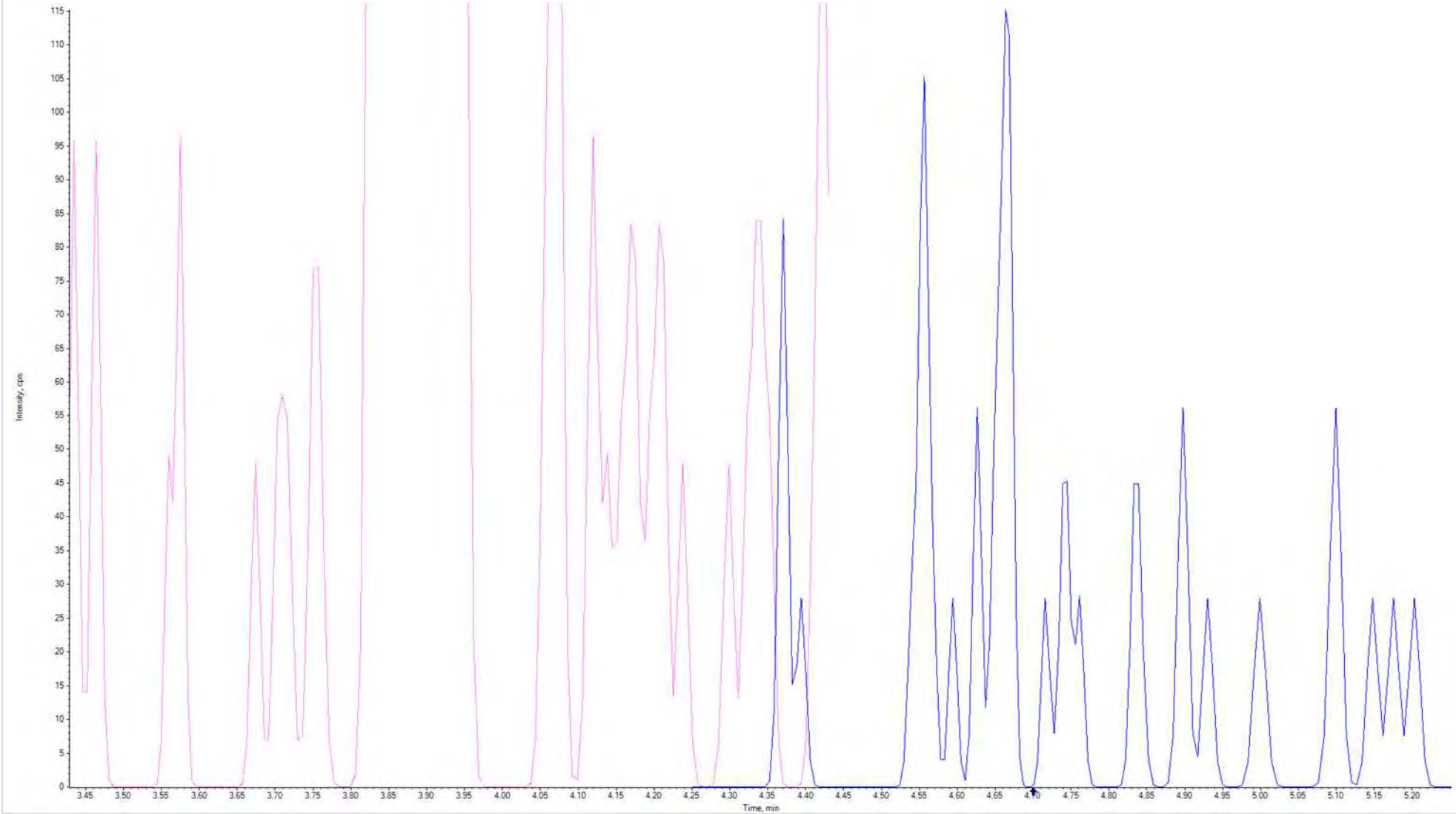

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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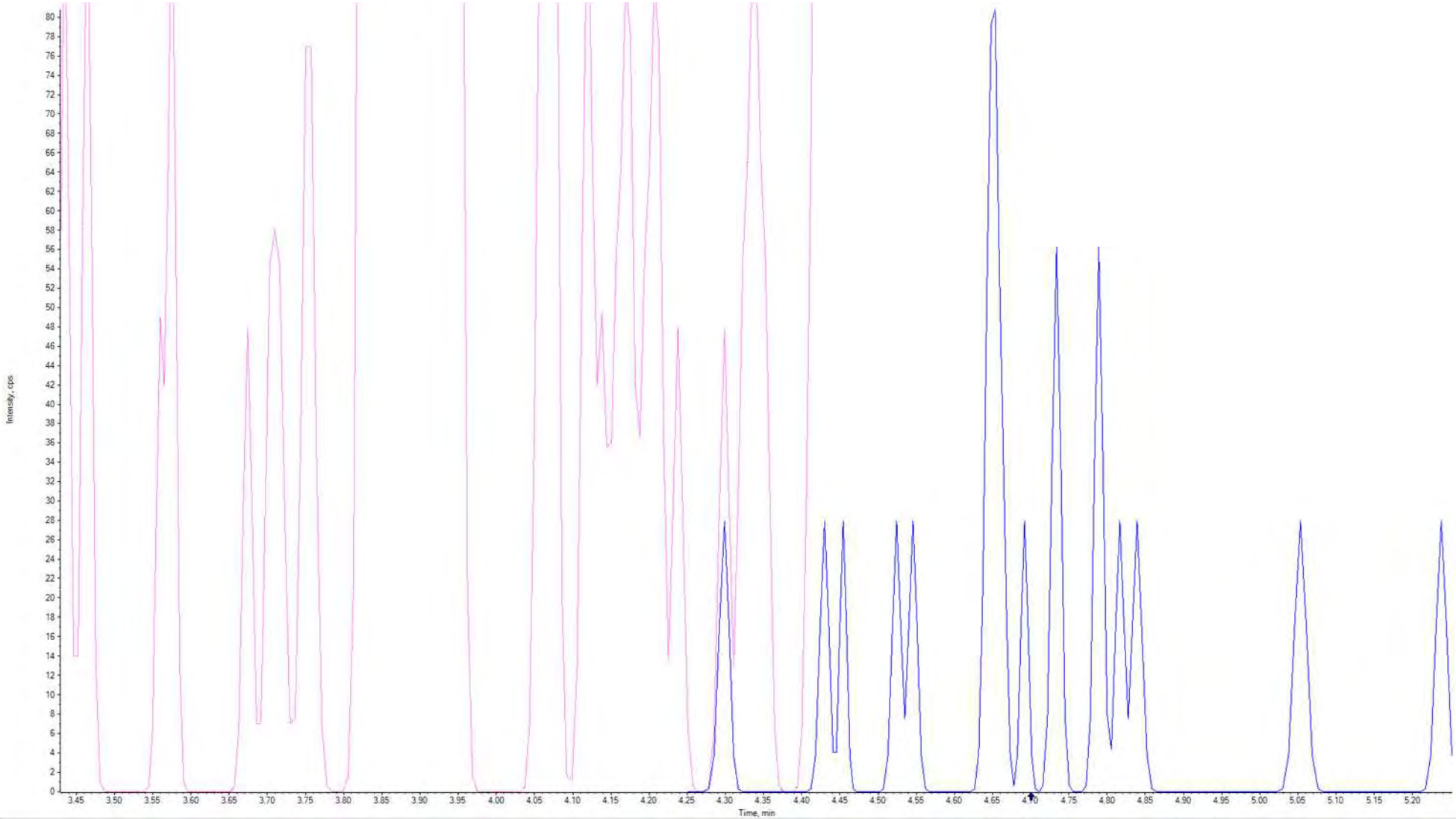

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PFDoS
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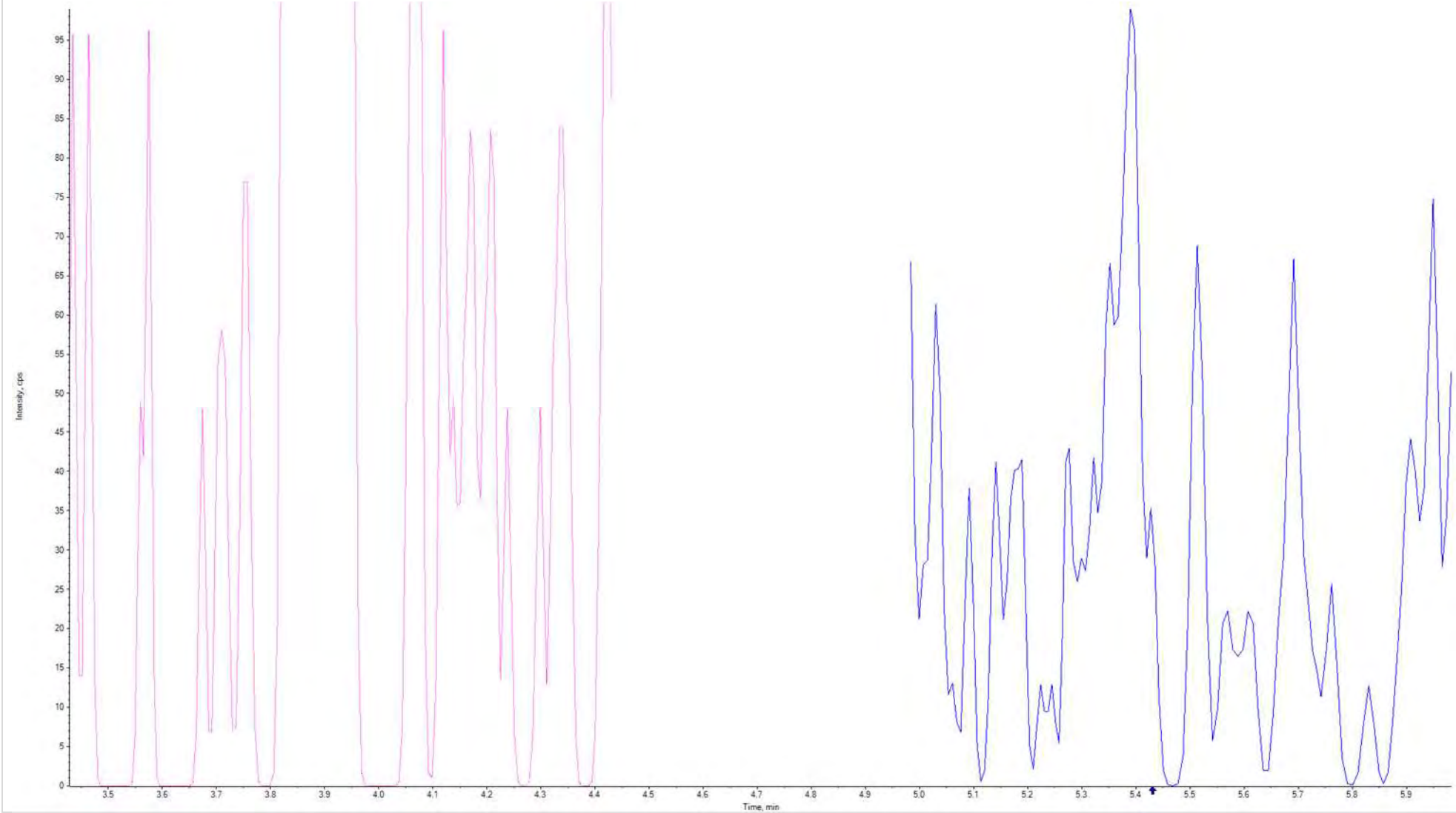

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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PFDoS_2
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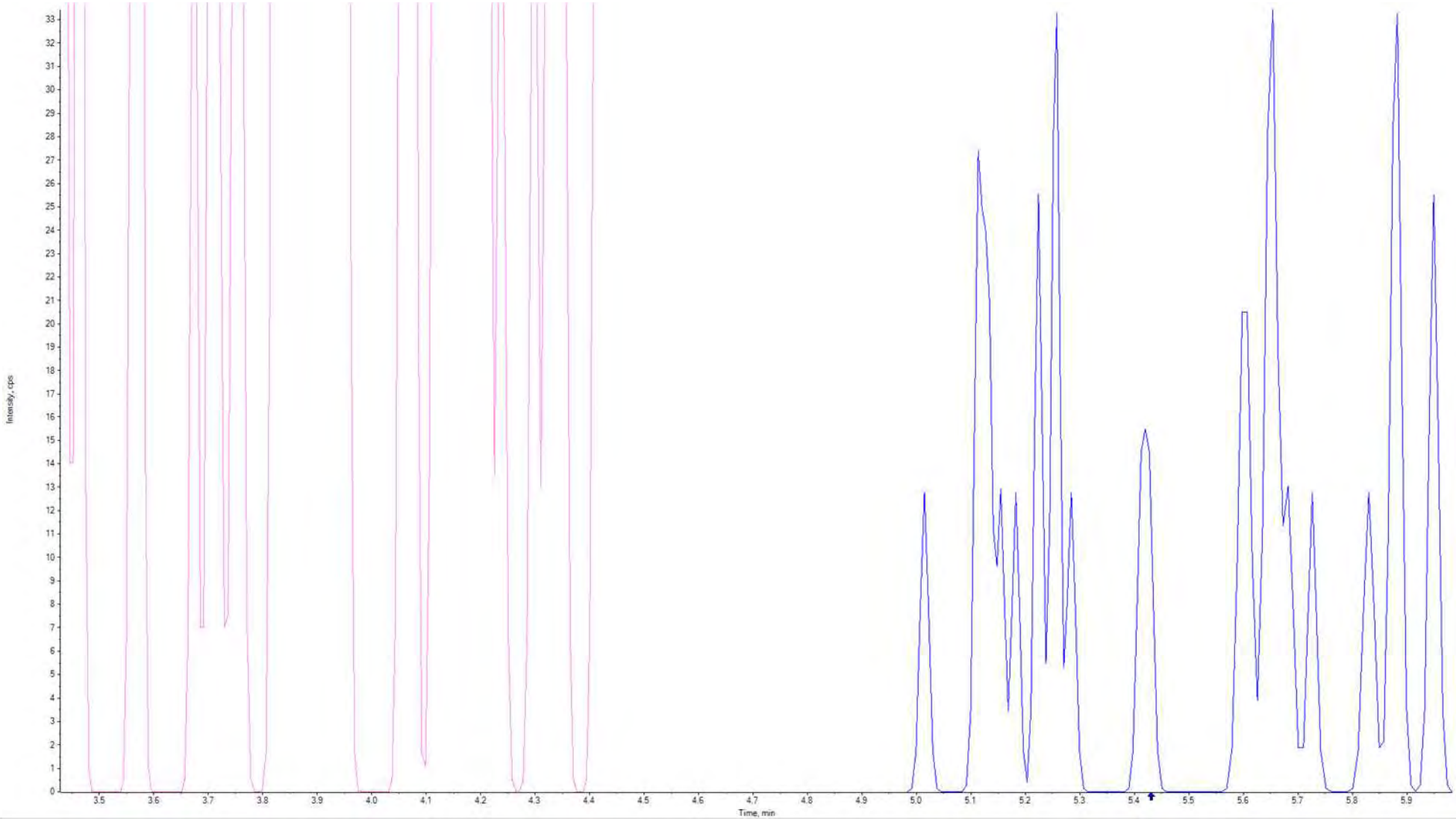

4:2FTS
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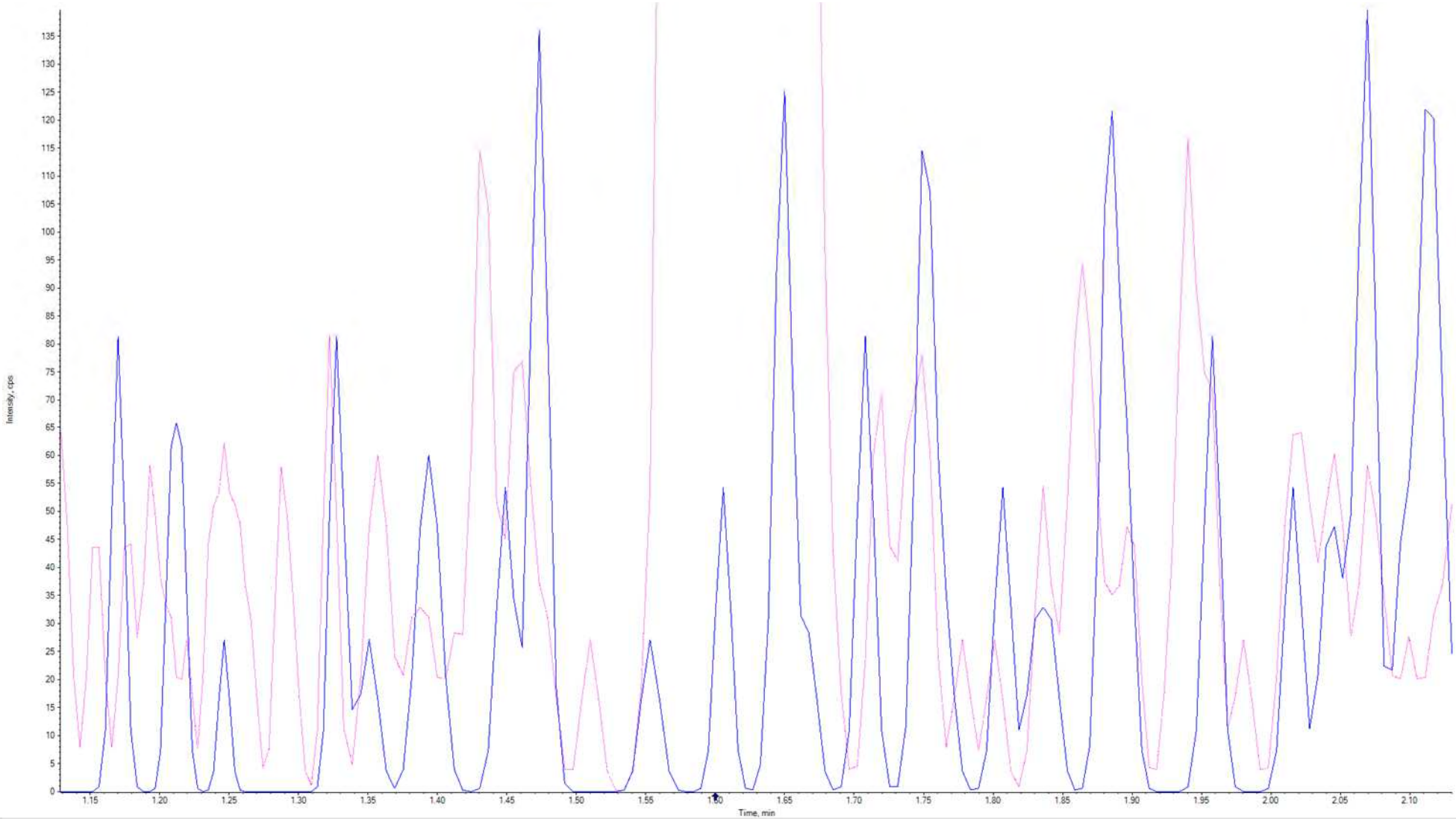

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Alpha Analytical LLC
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4:2FTS_2
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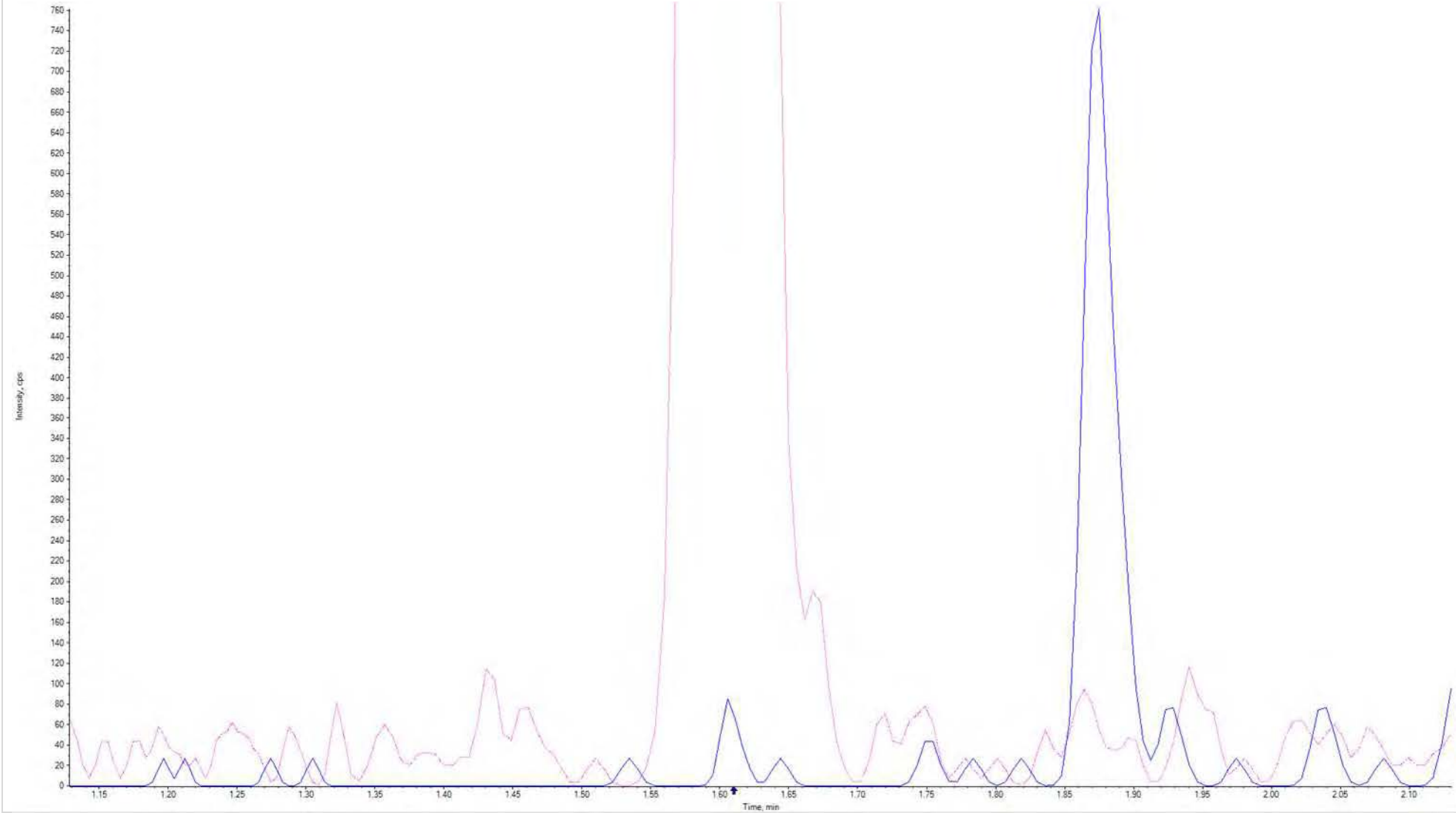

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6:2FTS
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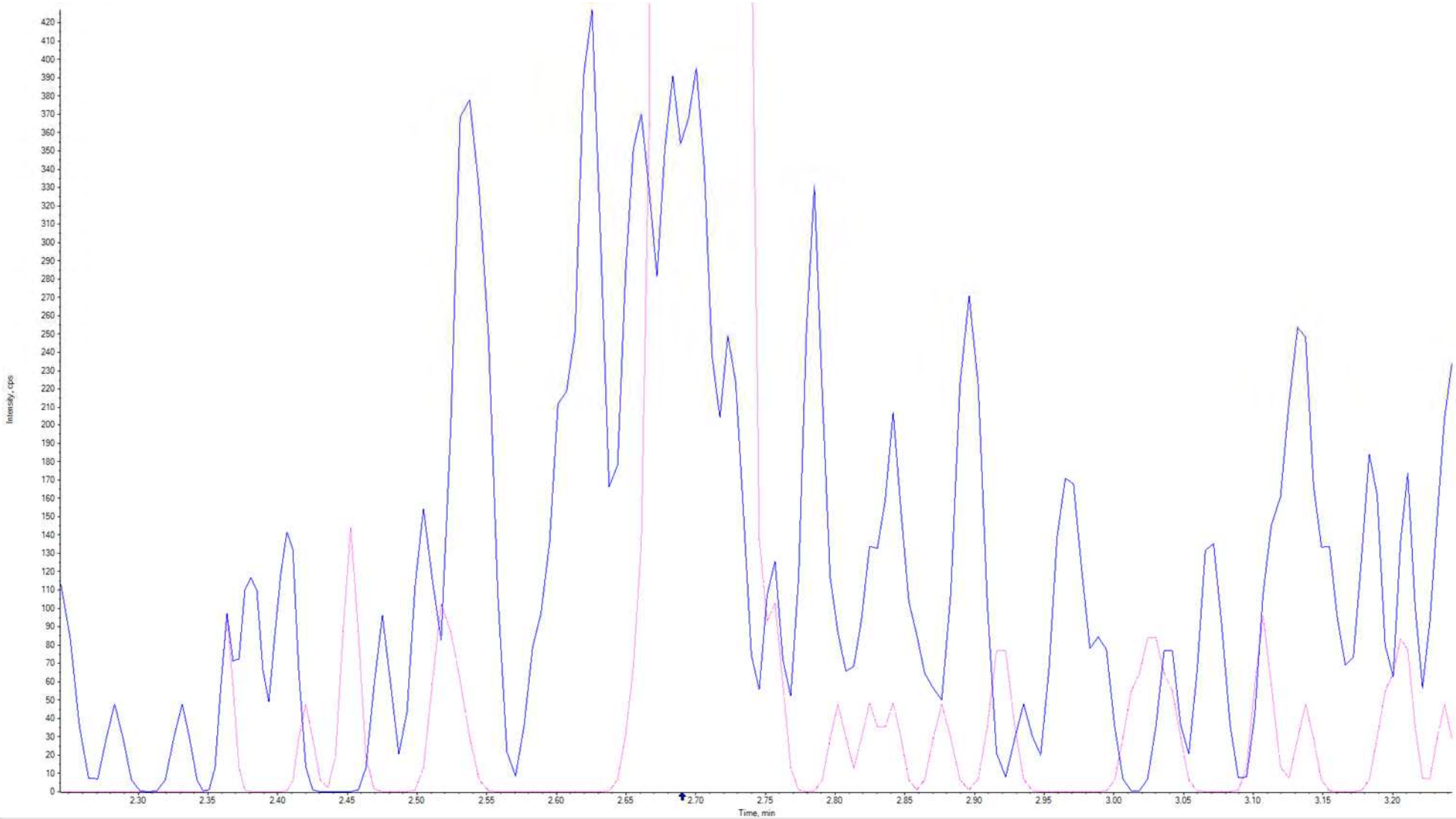

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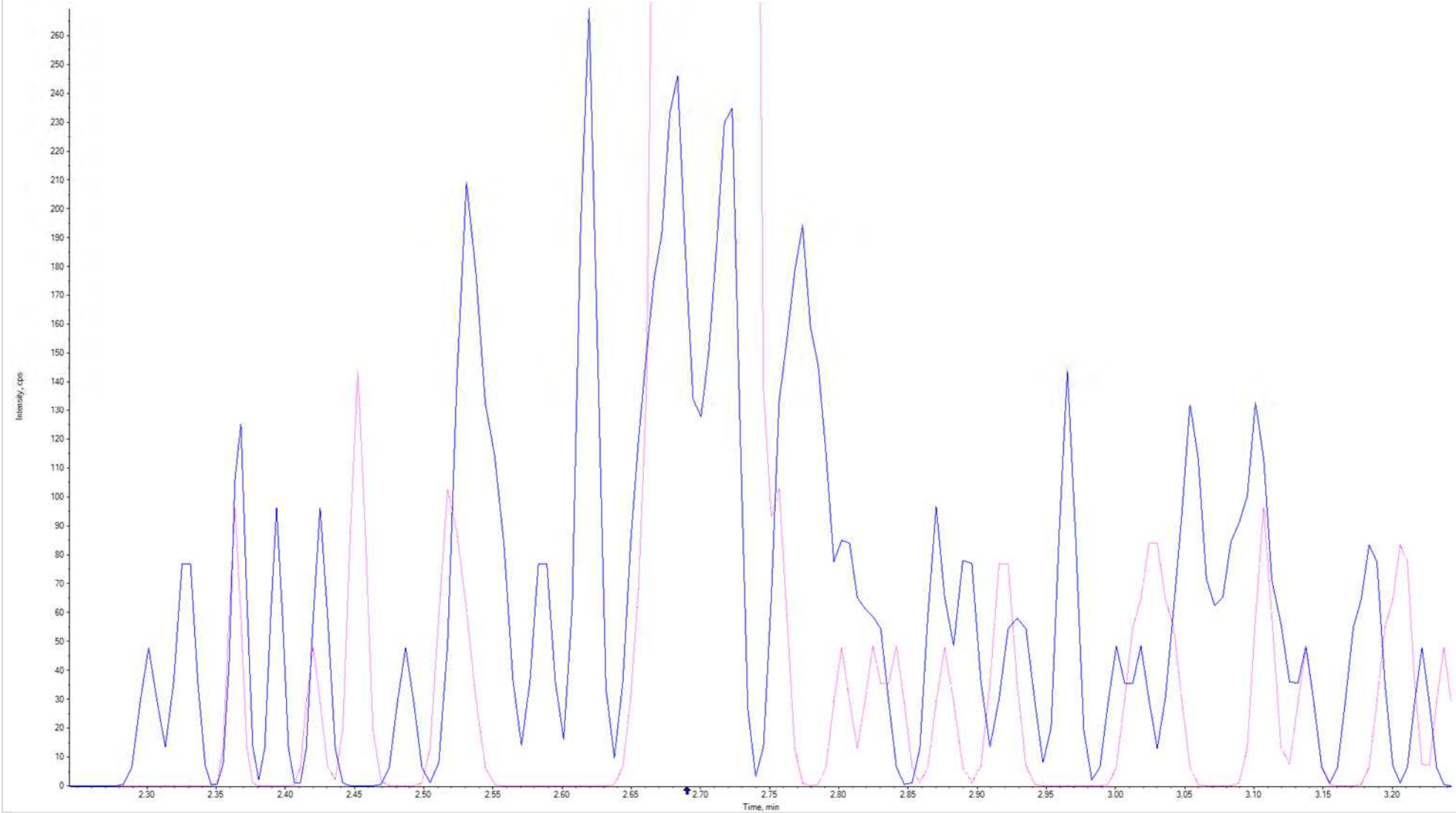

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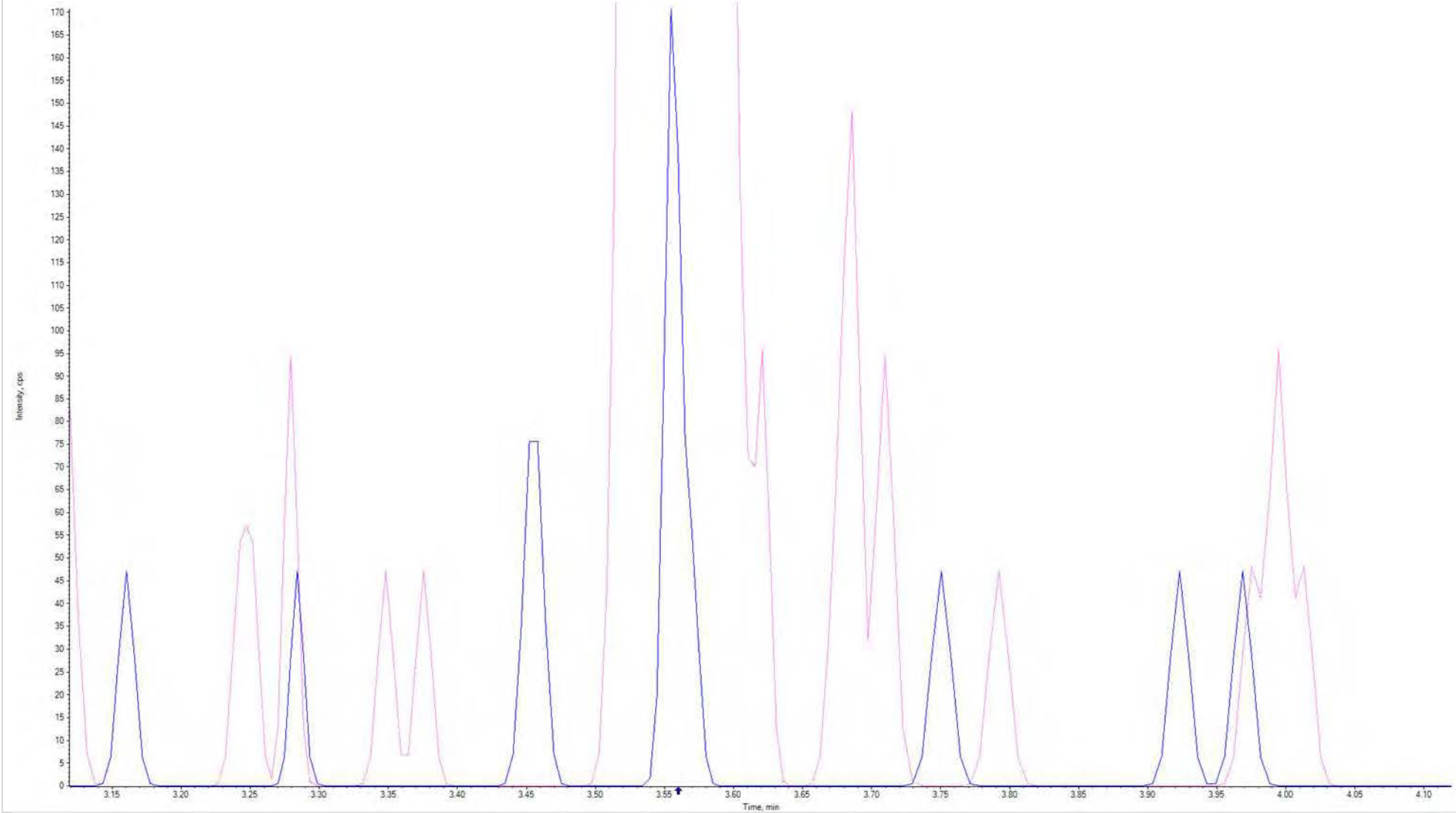

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8:2FTS_2
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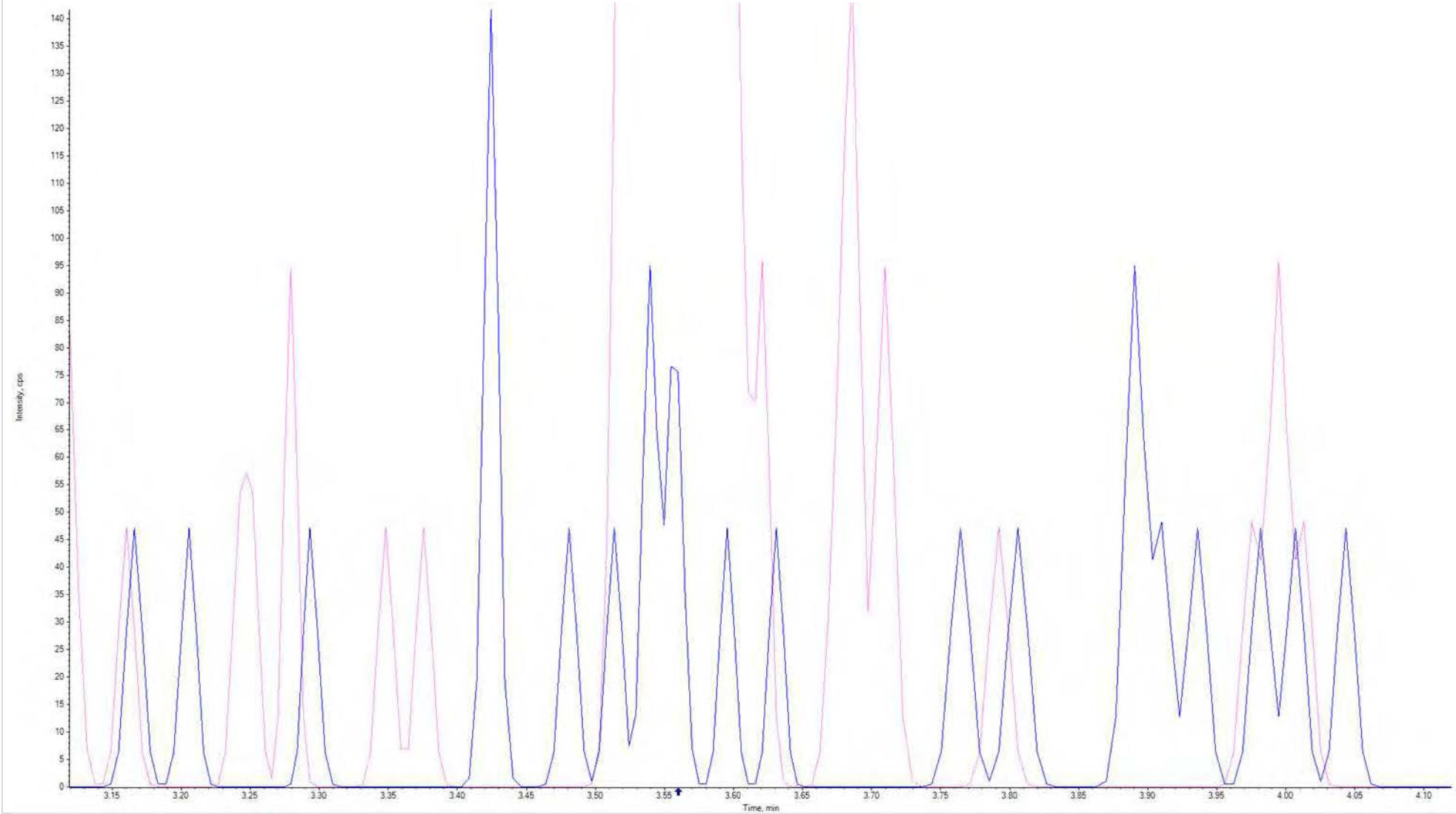

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PFOSA
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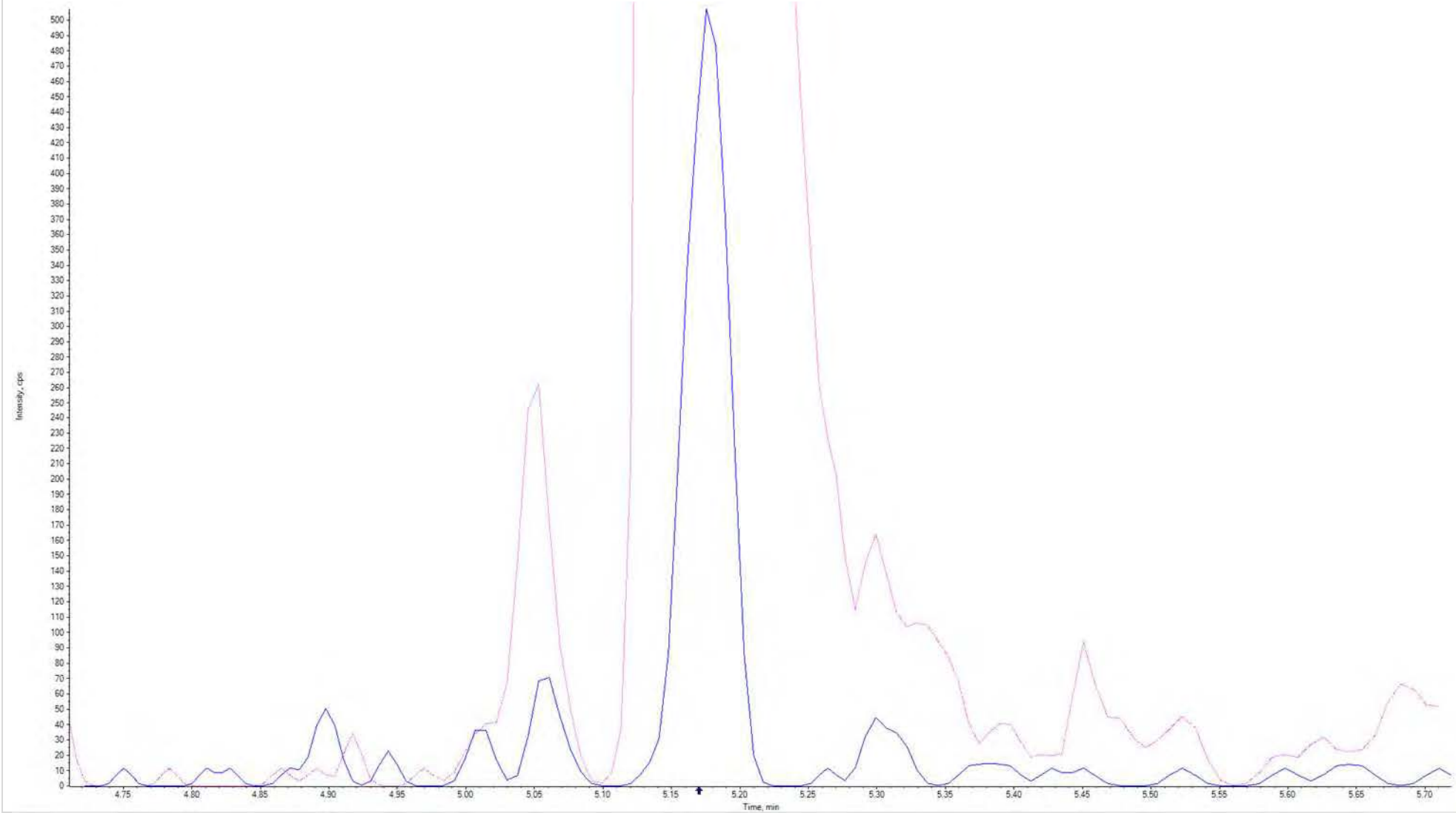

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PFOSA_2
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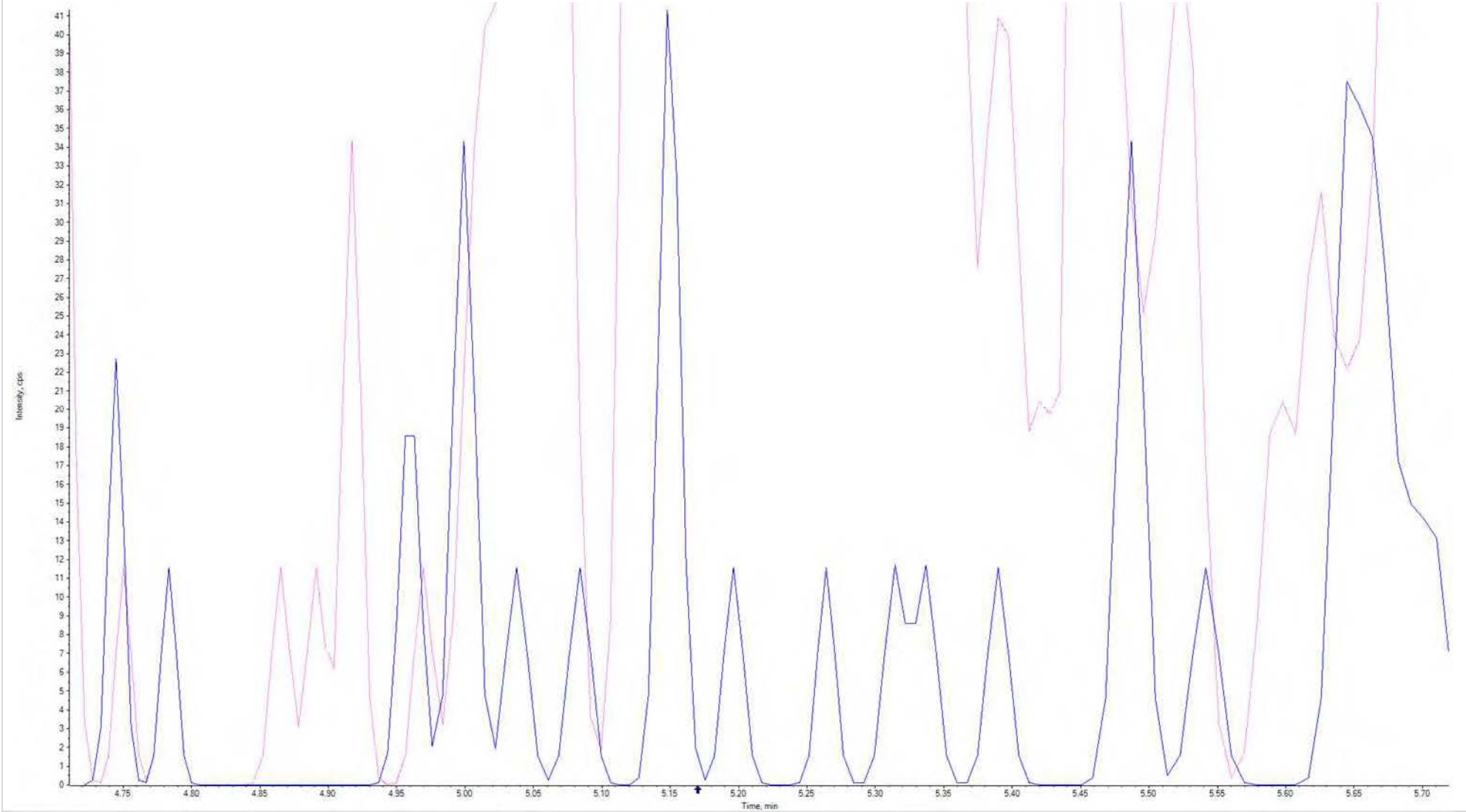

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NMeFOSA
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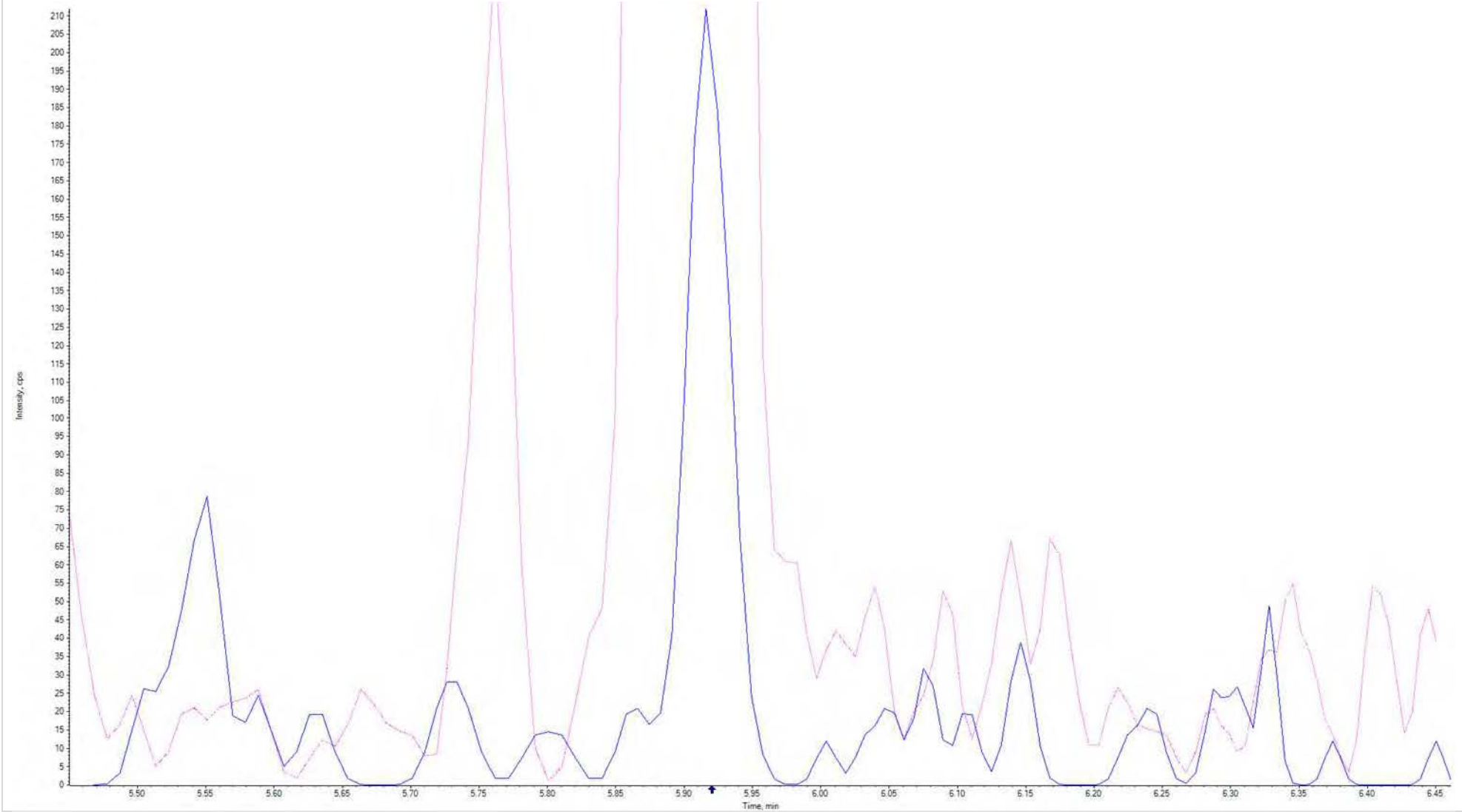

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NMeFOSA_2
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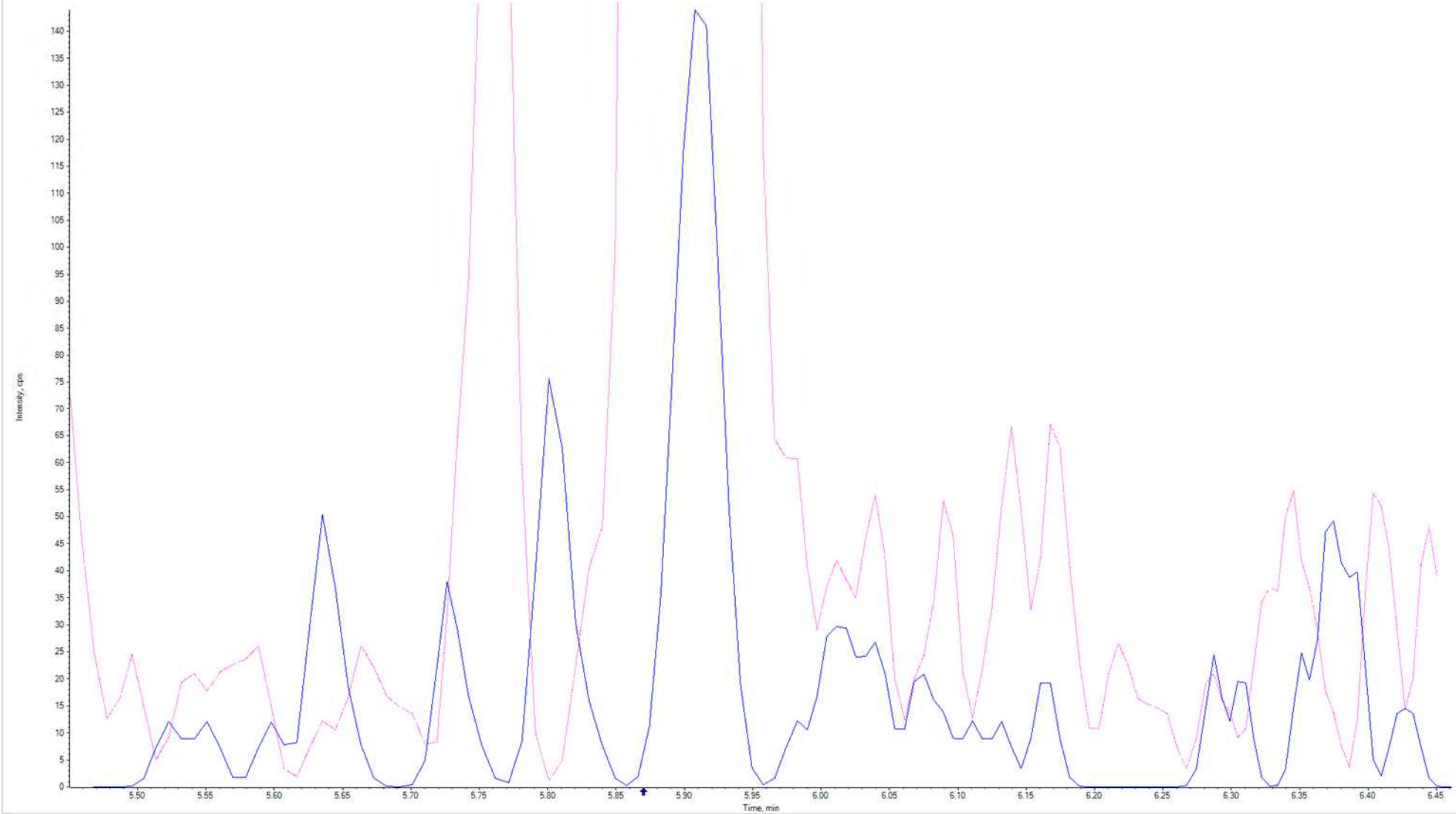

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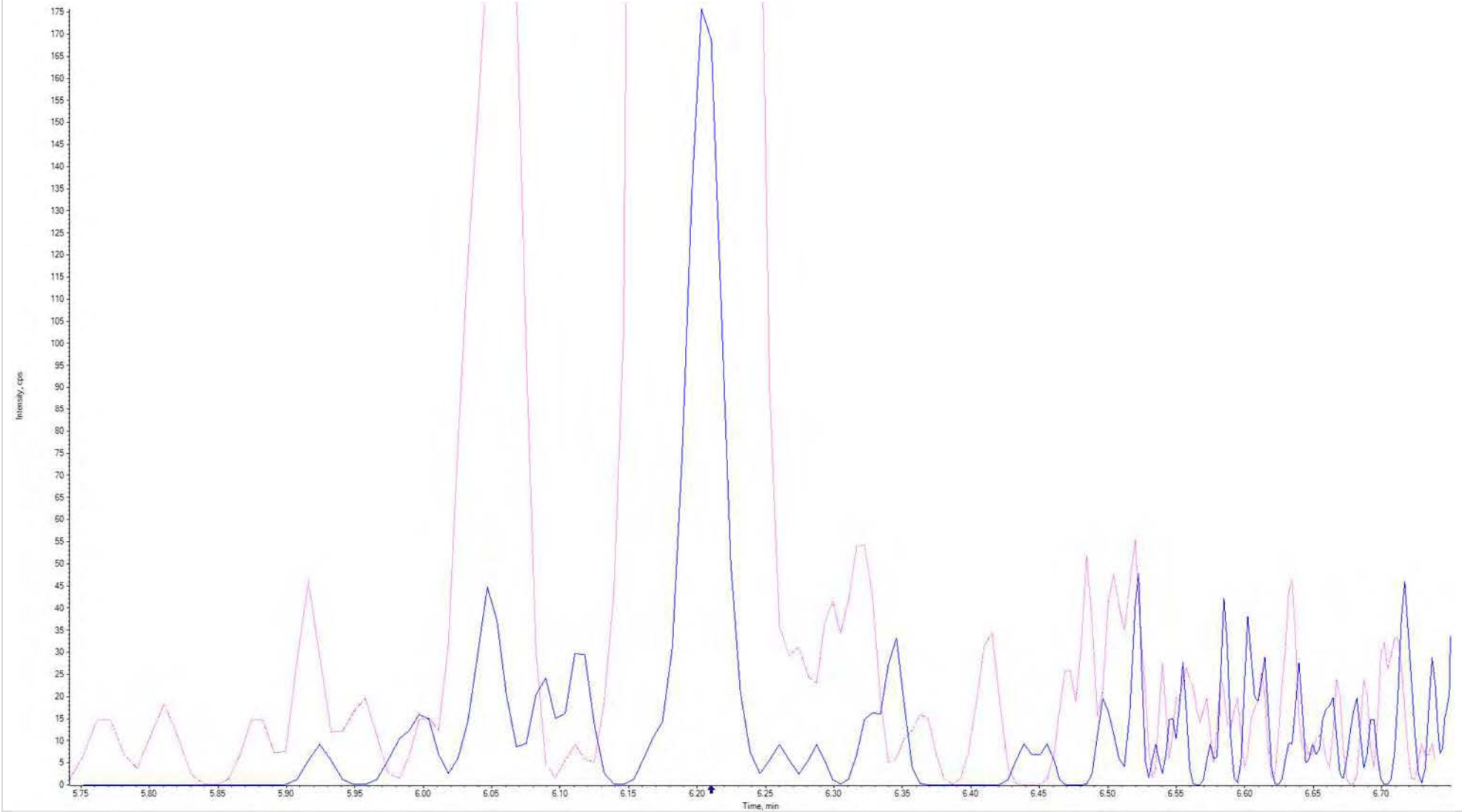

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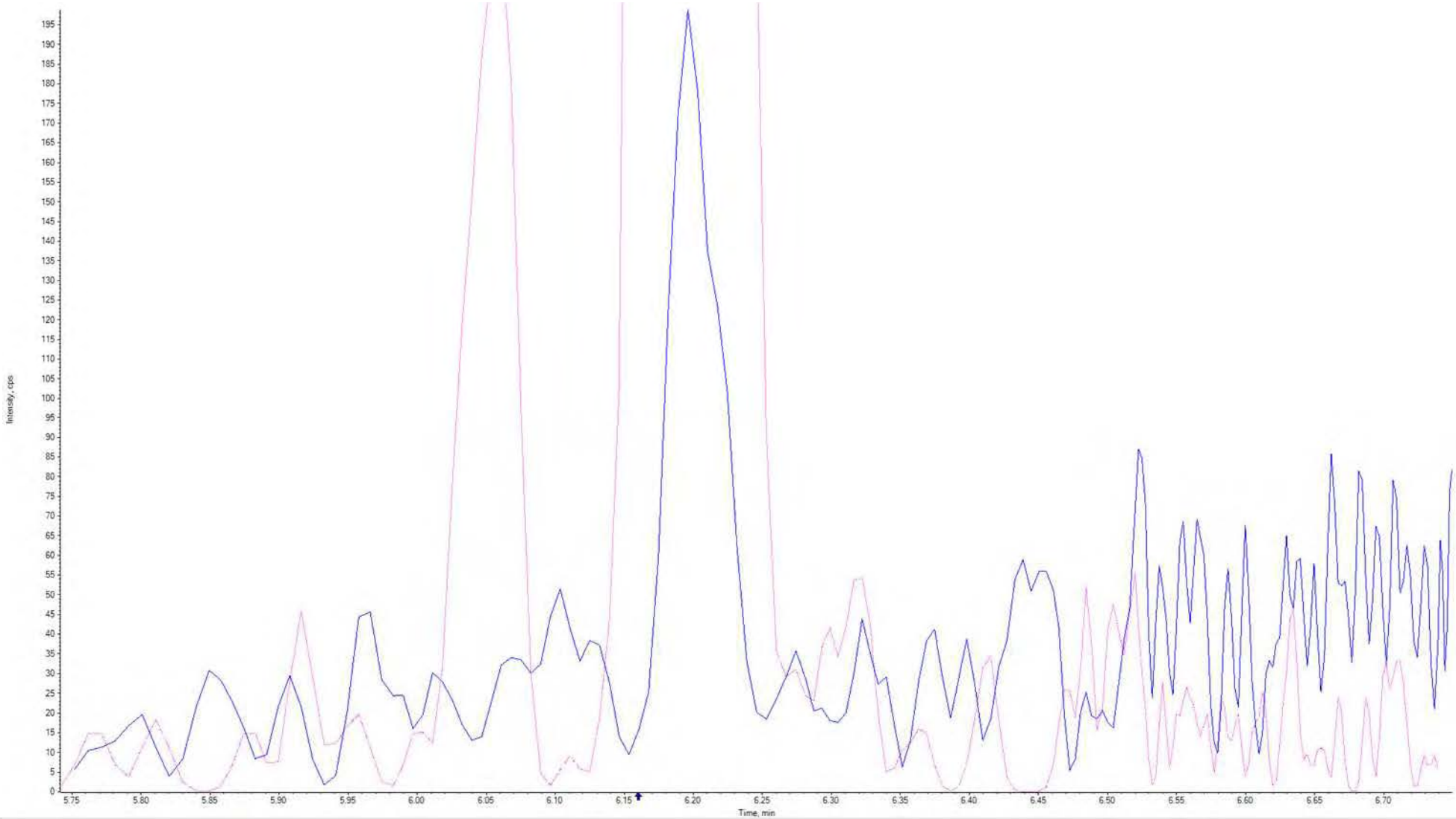

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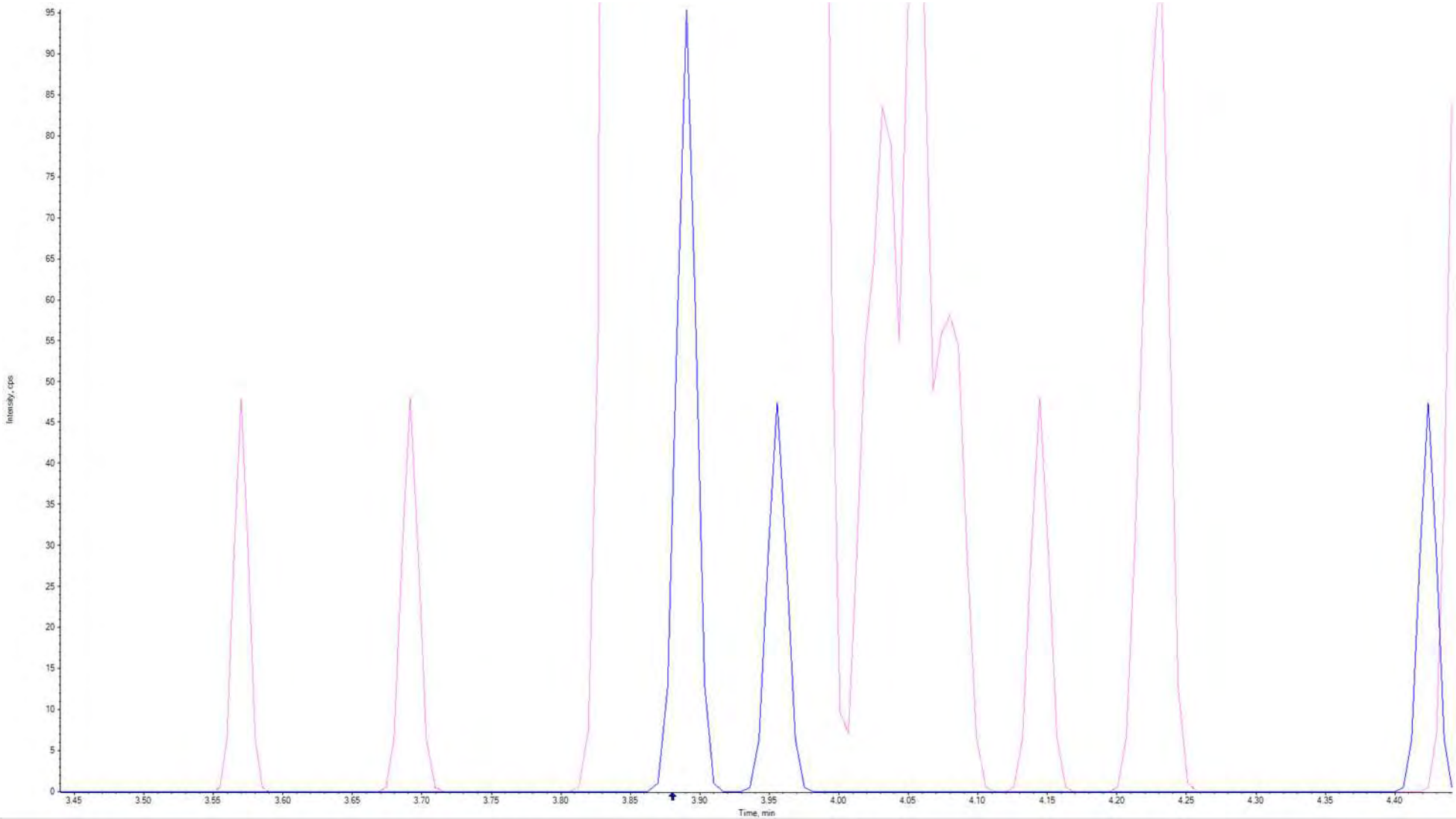

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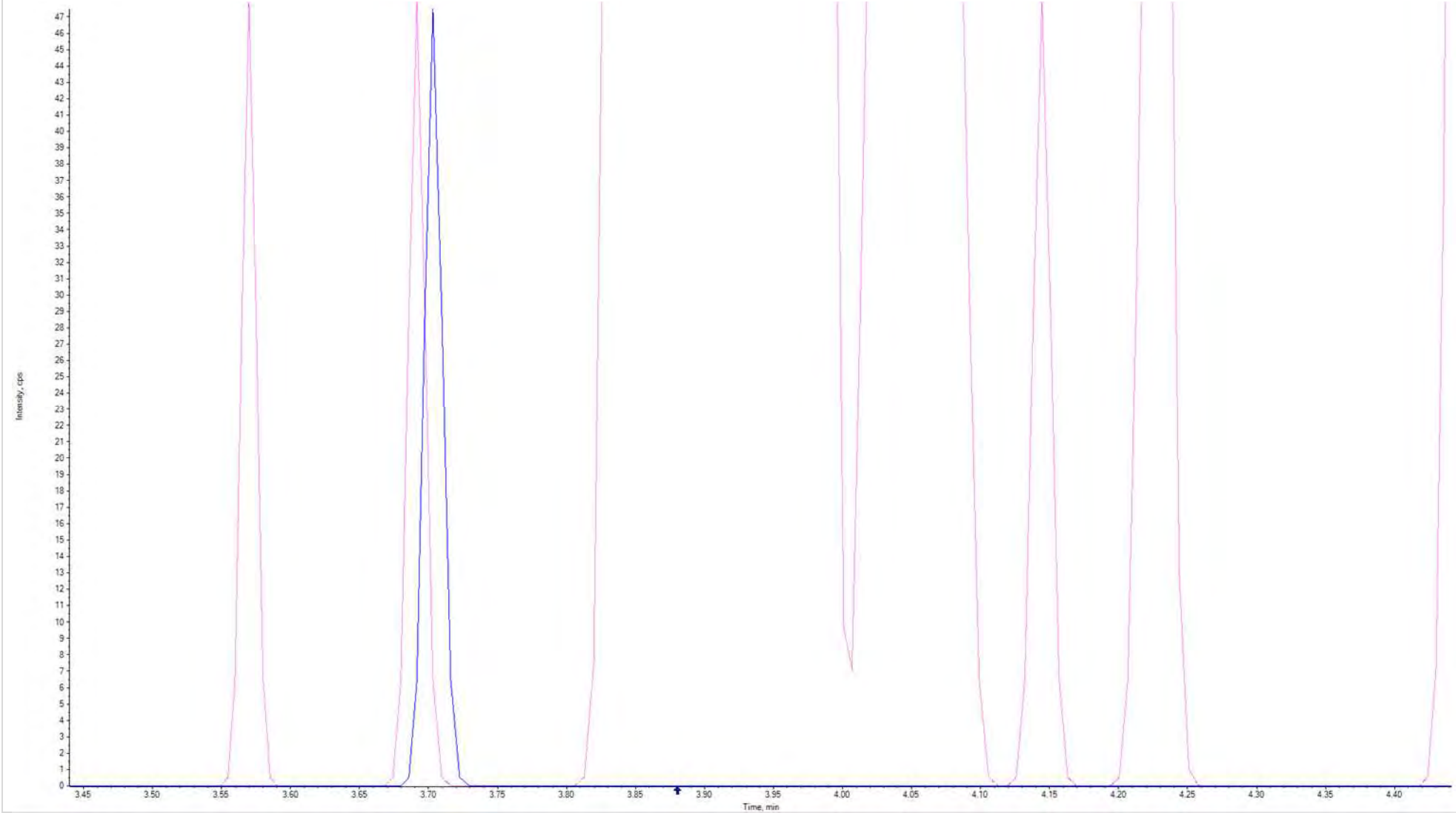

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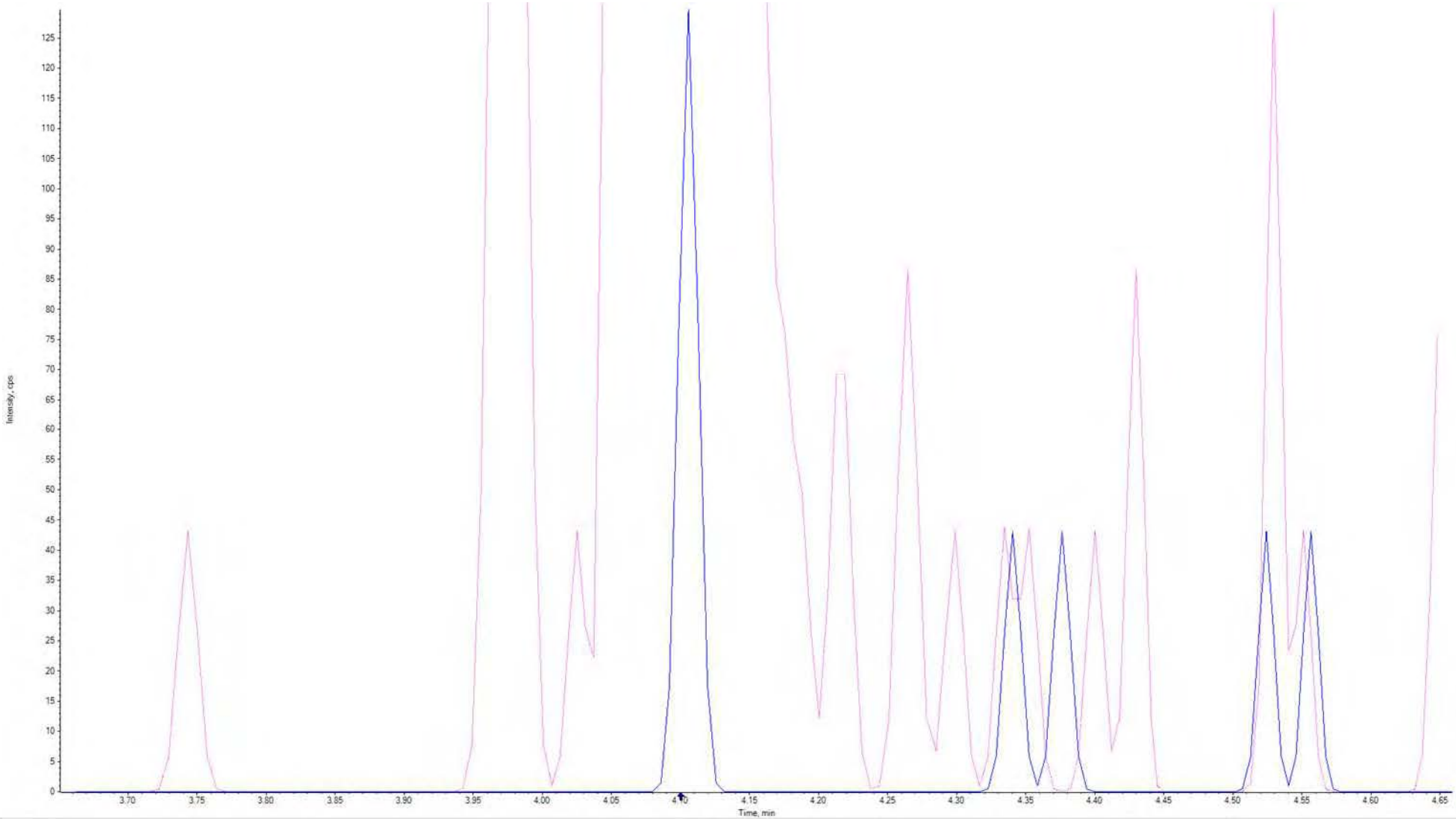

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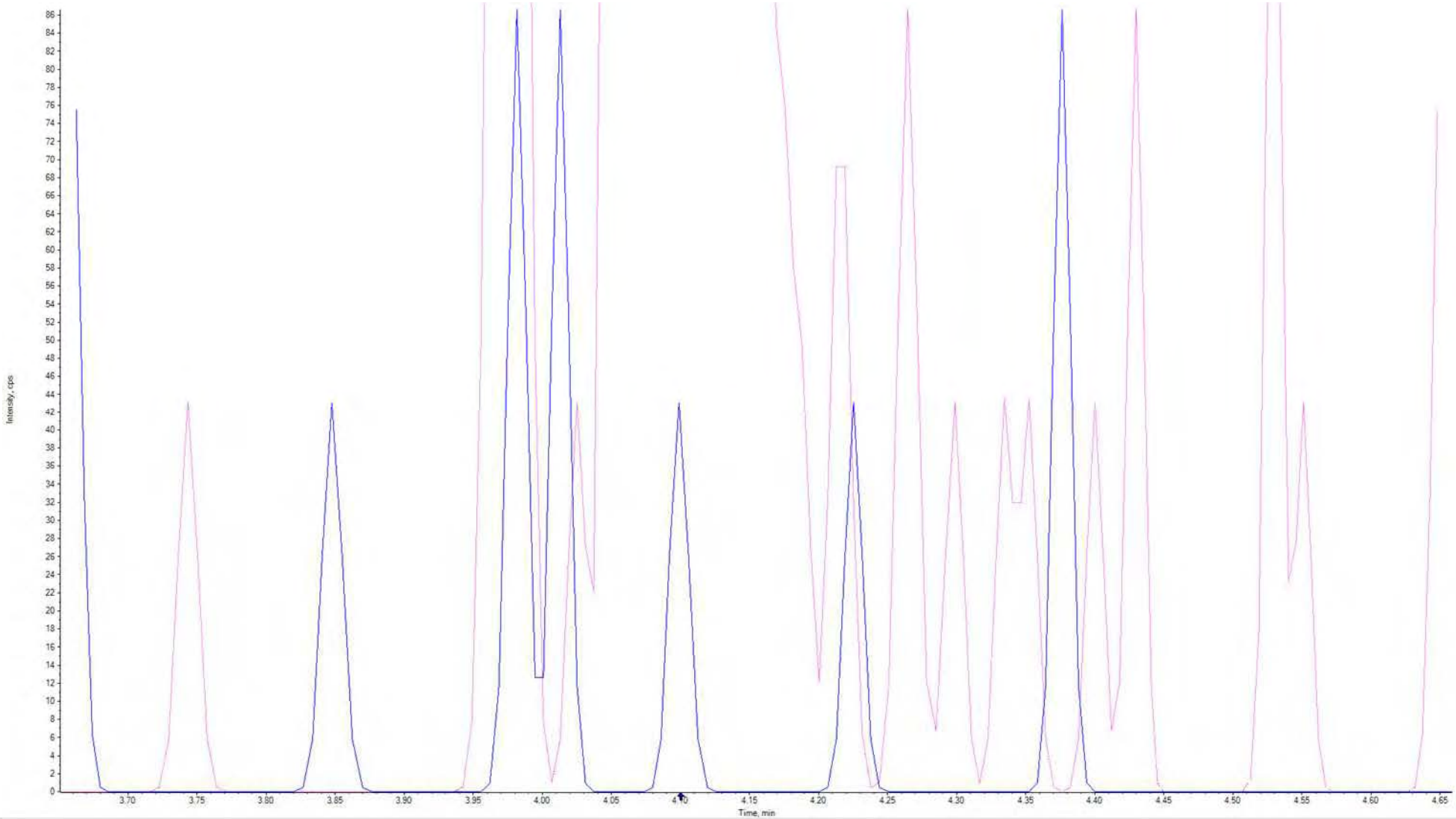

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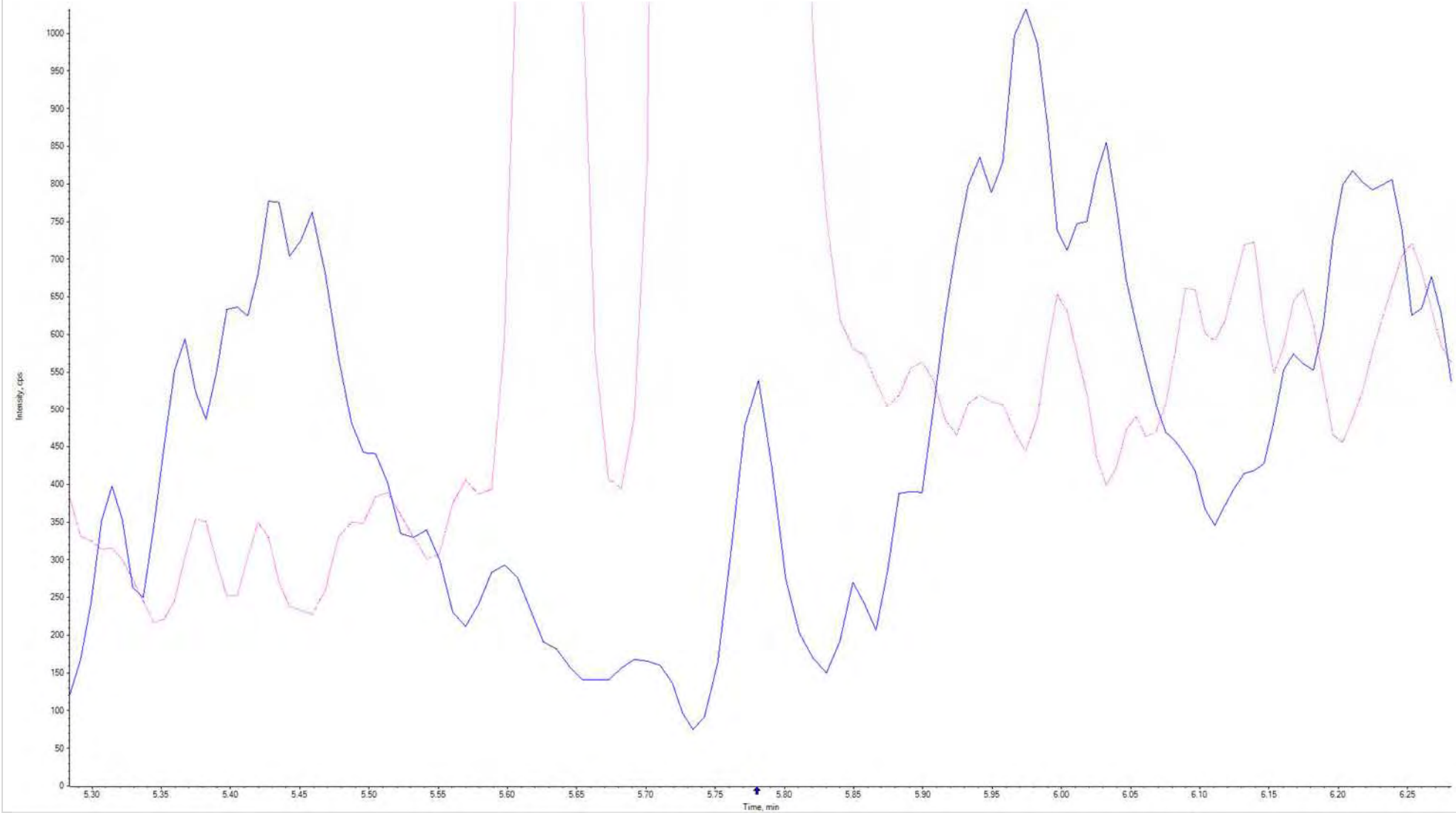

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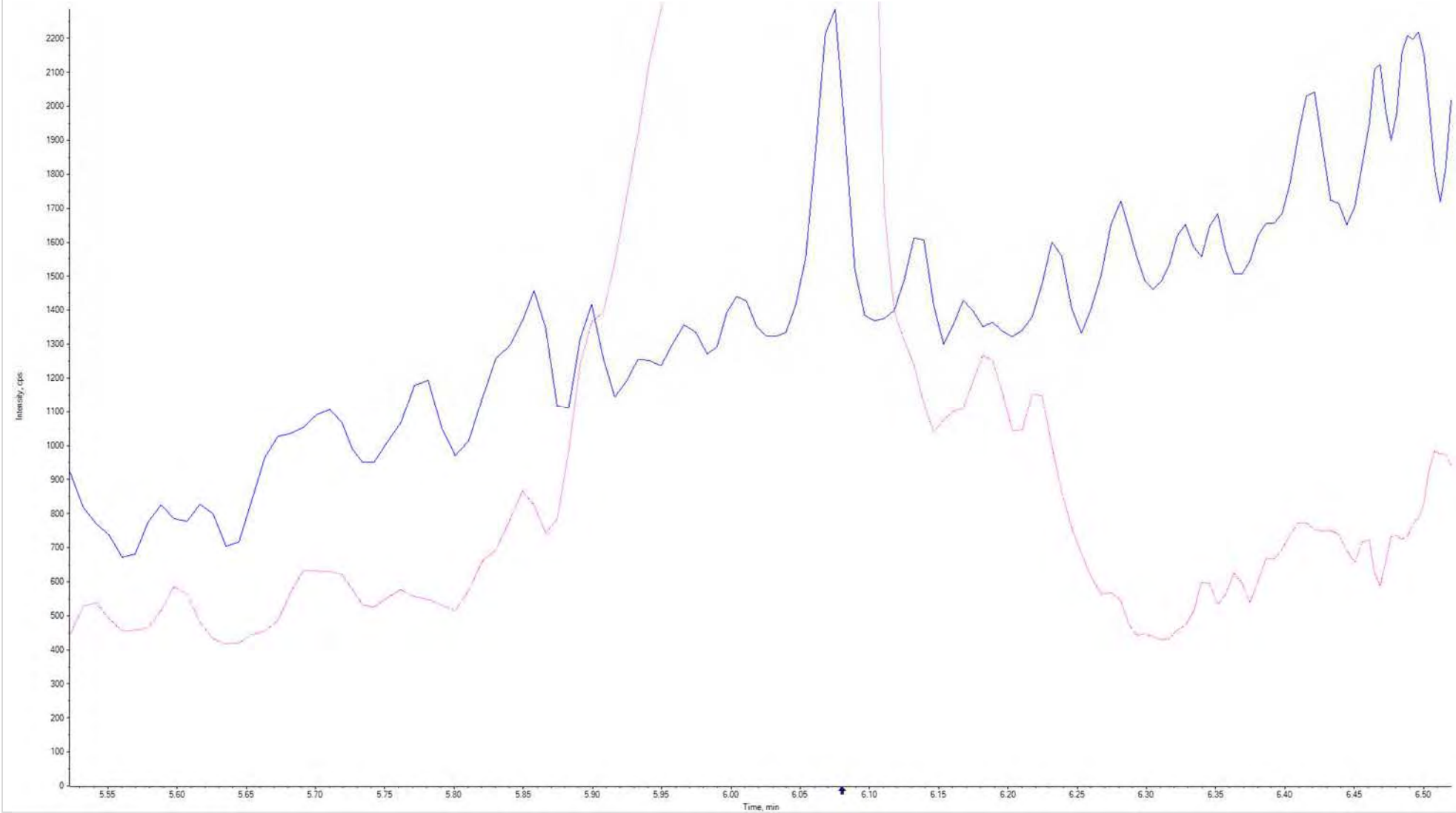

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HFPO-DA
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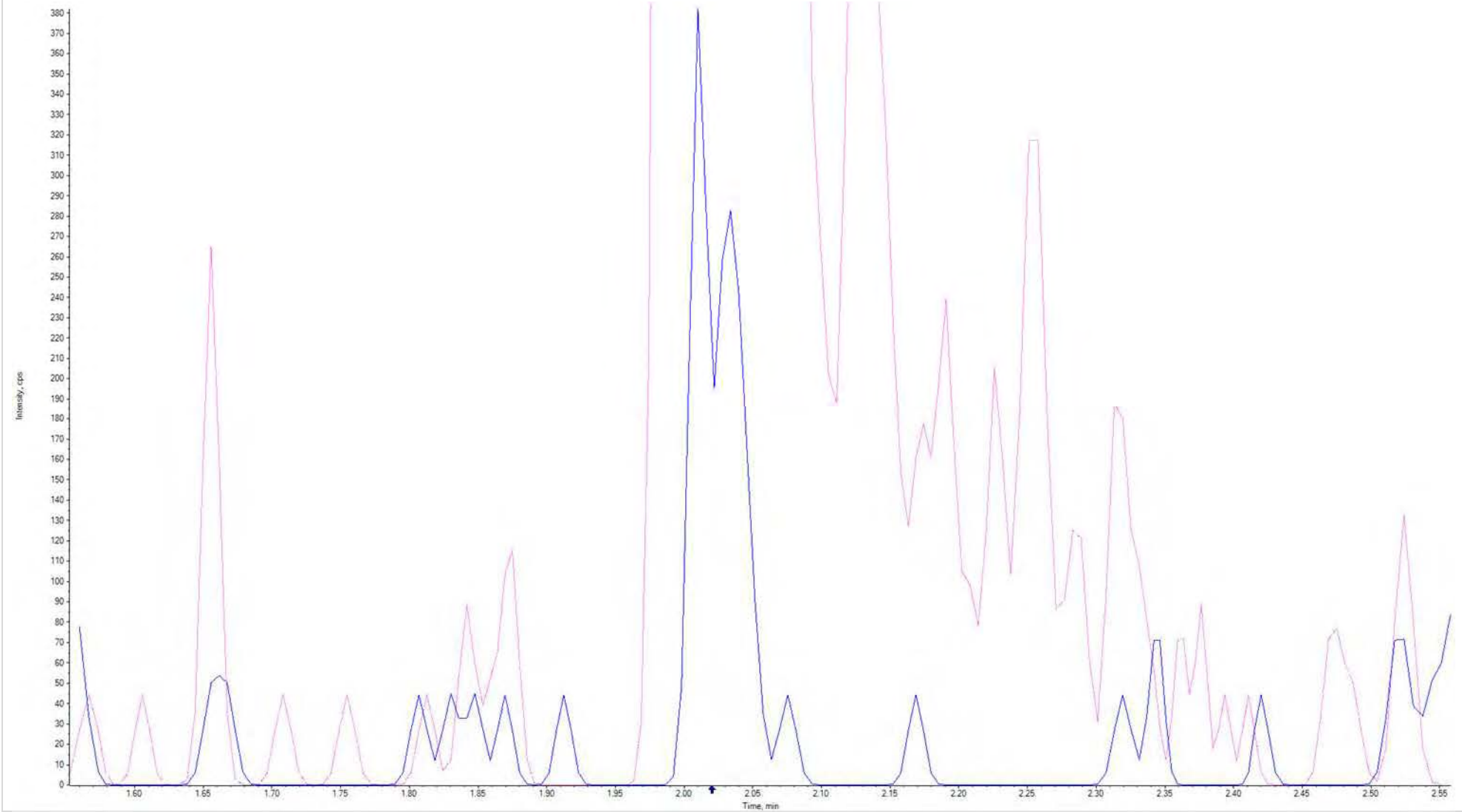

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HFPO-DA_2
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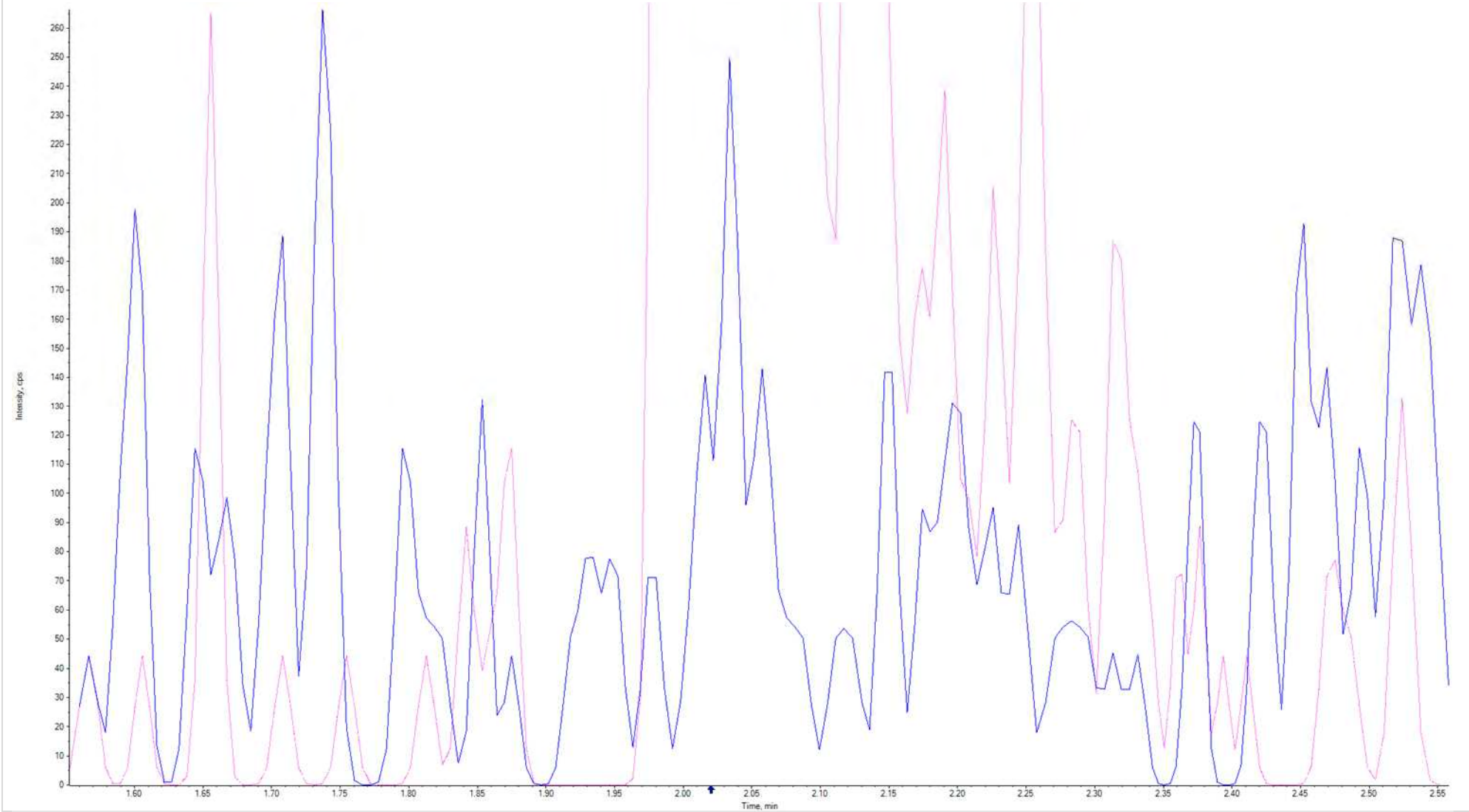

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ADONA
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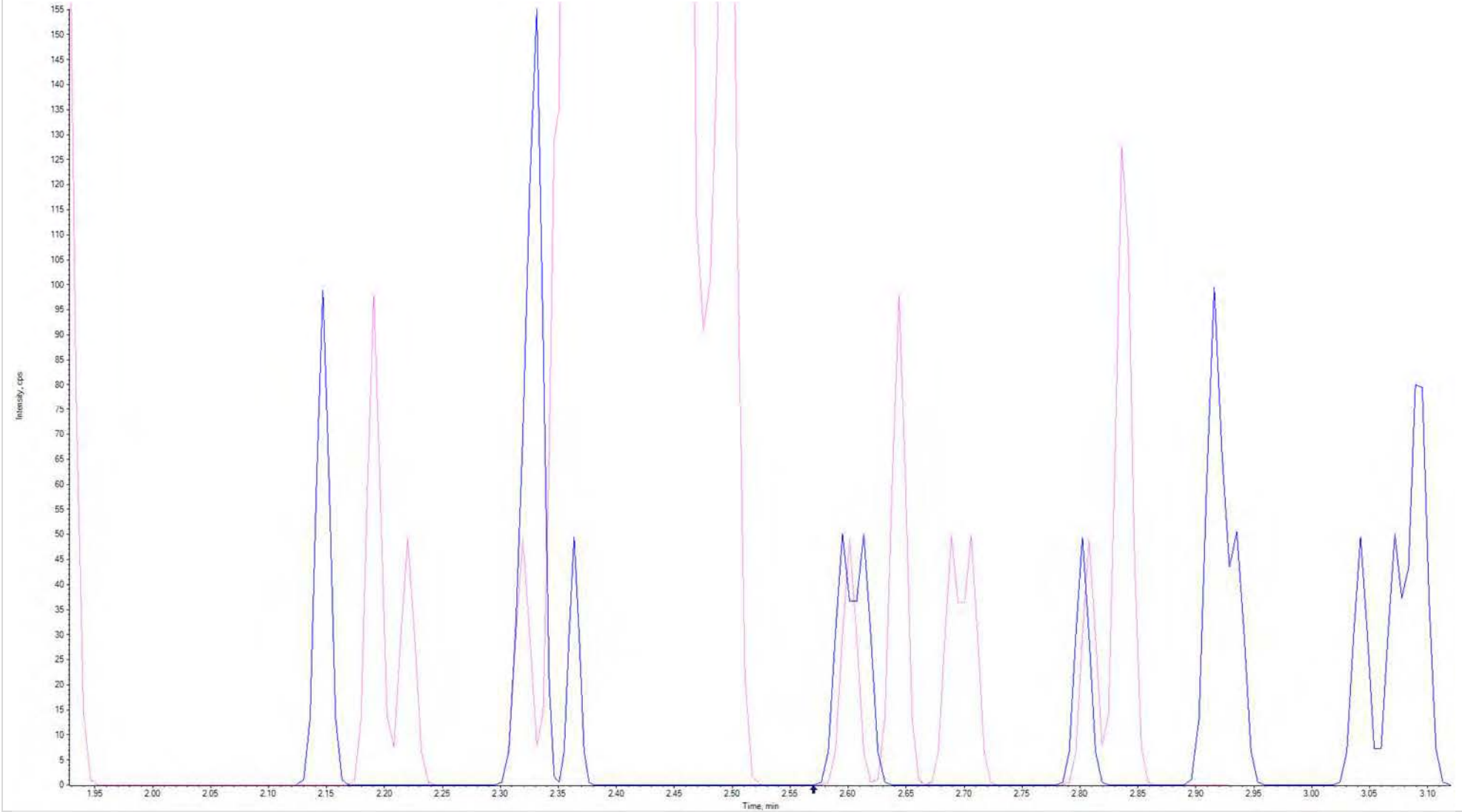

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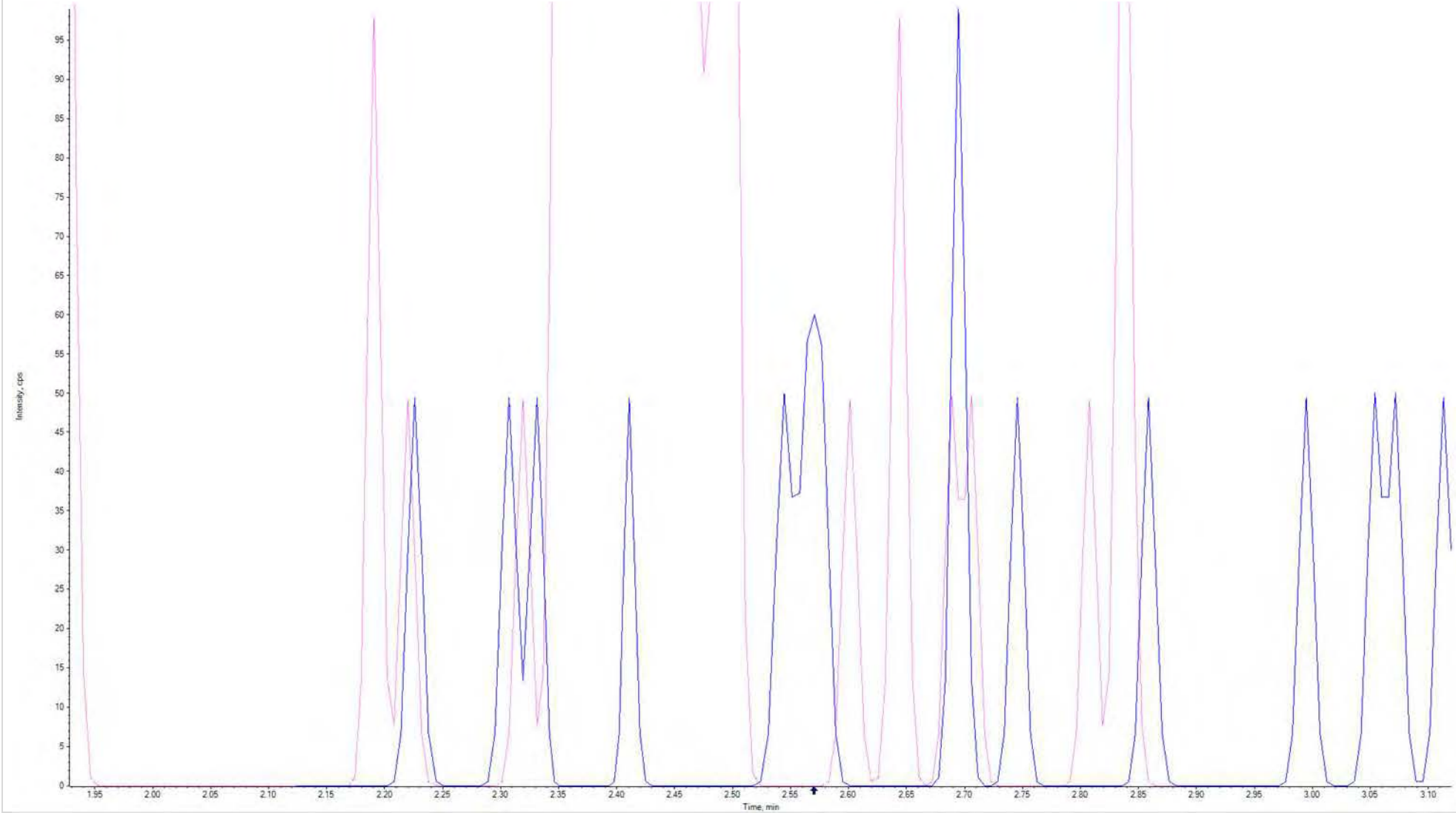

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9Cl-PF3ONS
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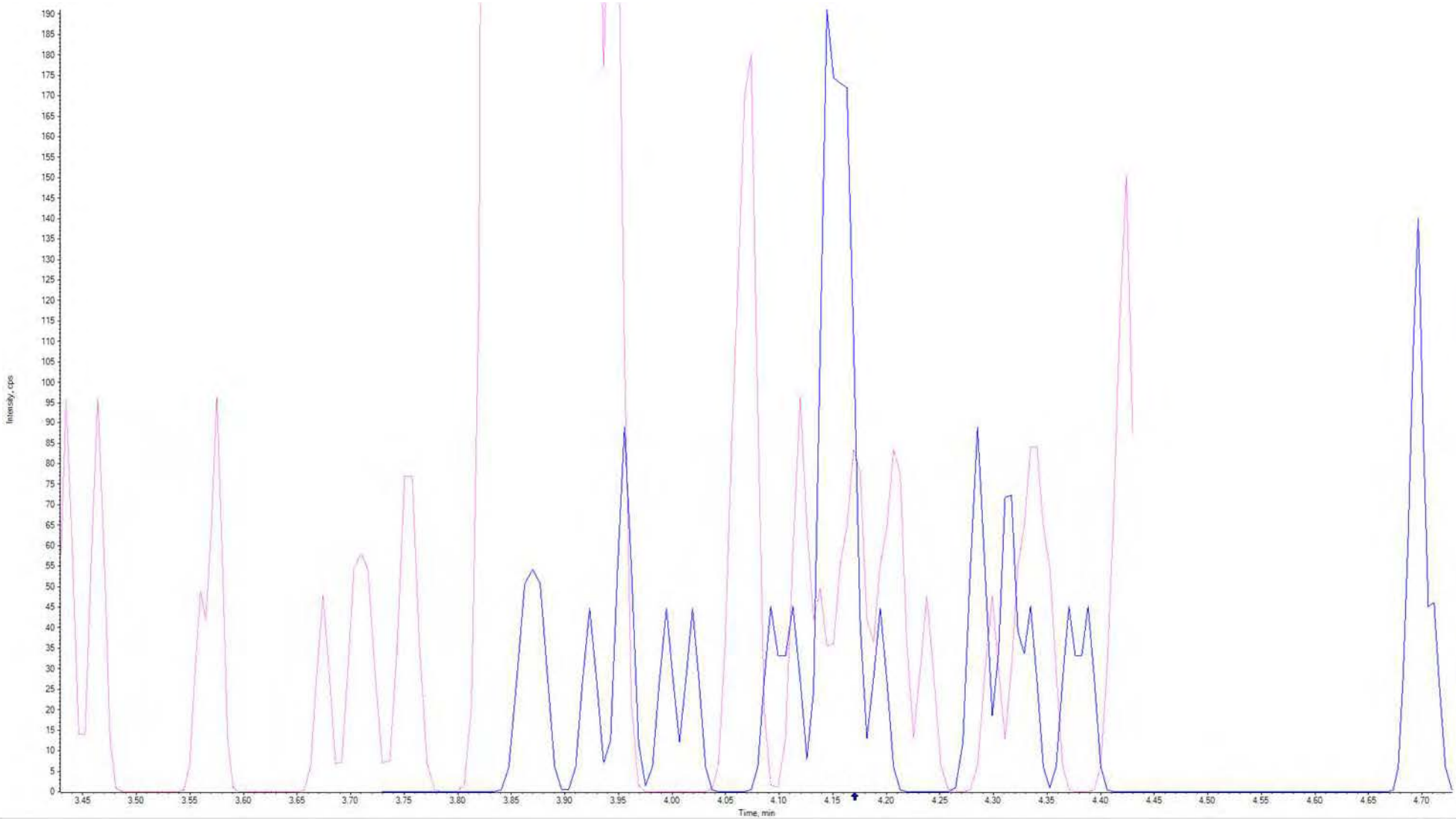

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9Cl-PF3ONS_2
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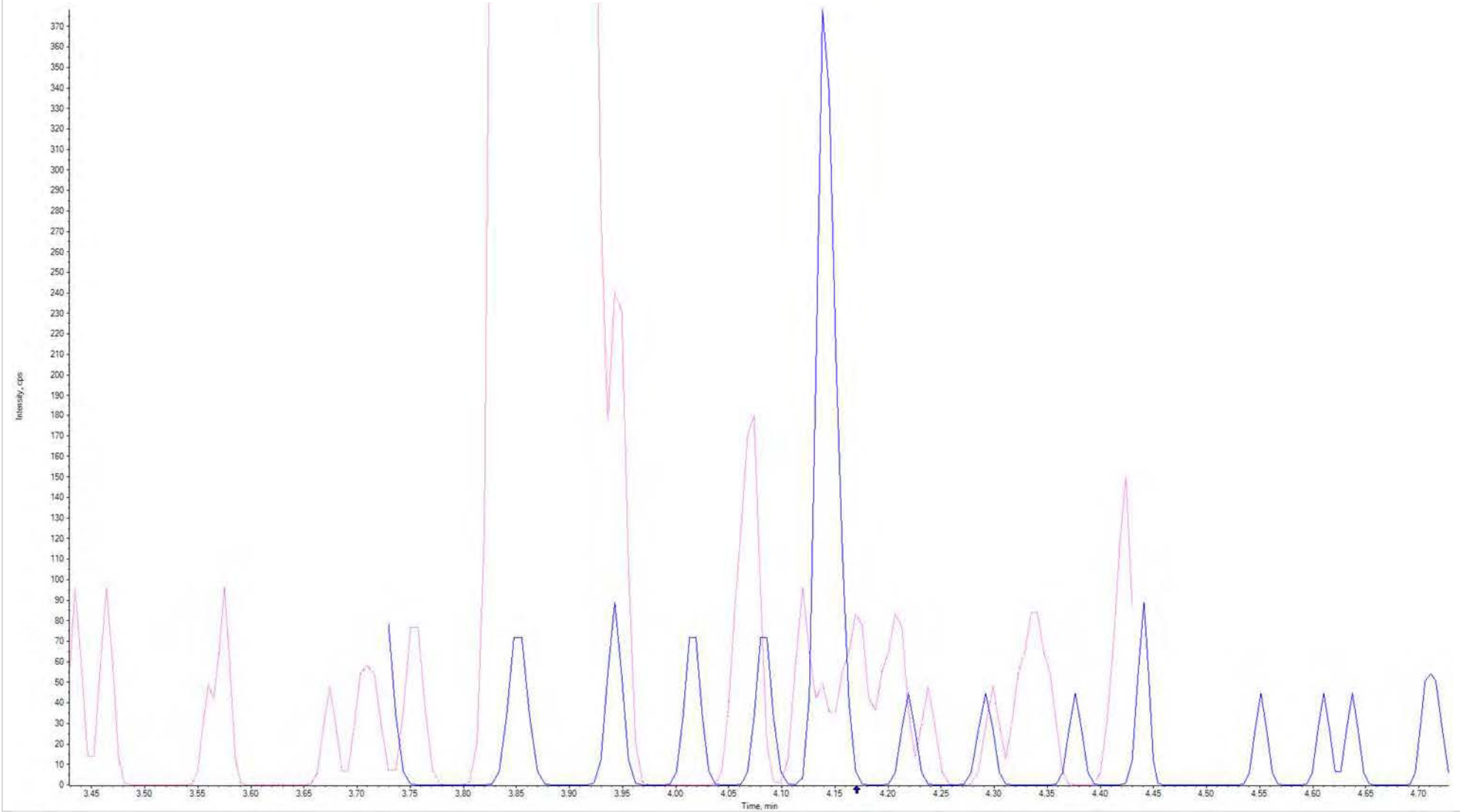

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11Cl-PF3OUdS
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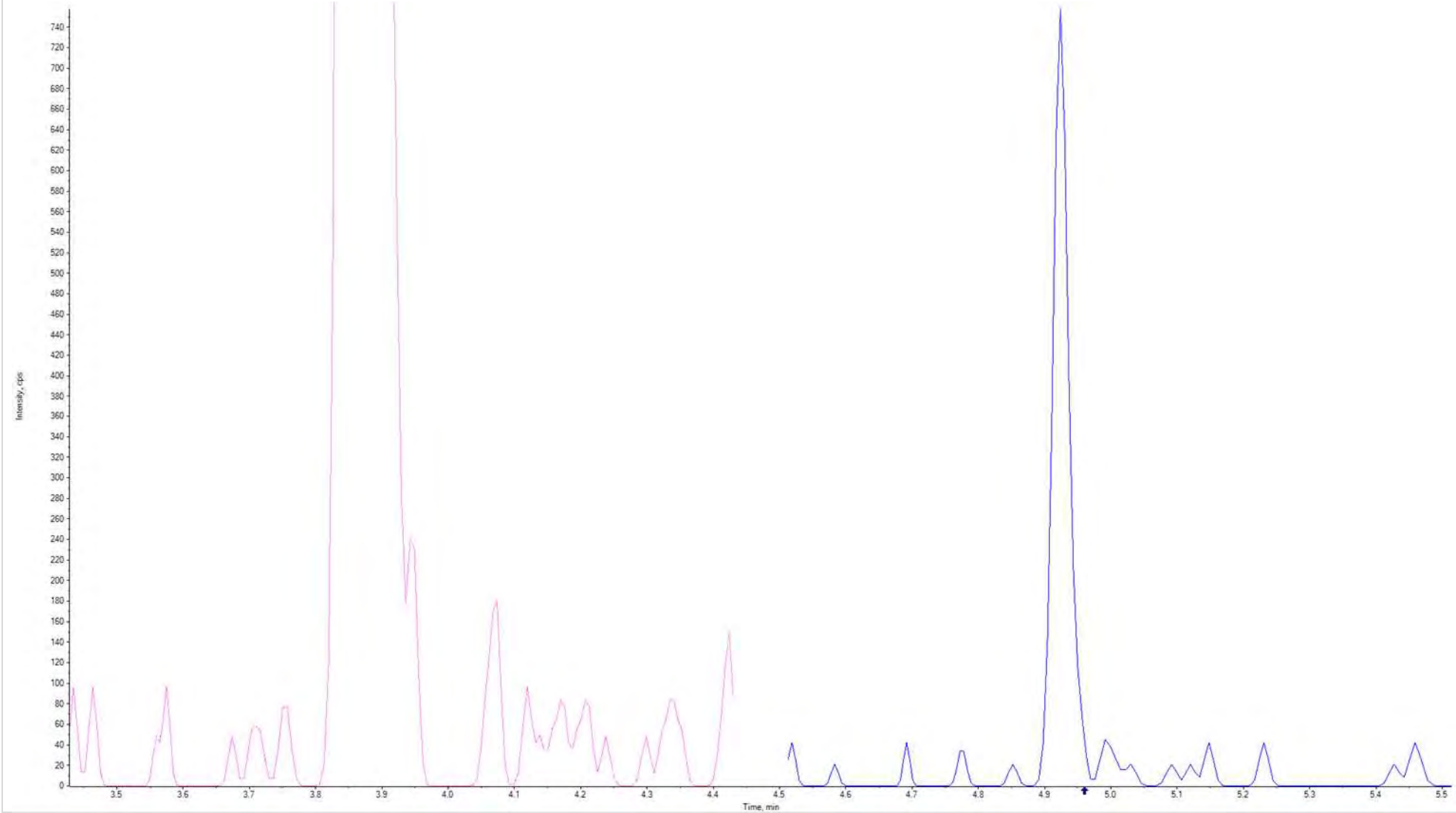

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11Cl-PF3OUdS_2
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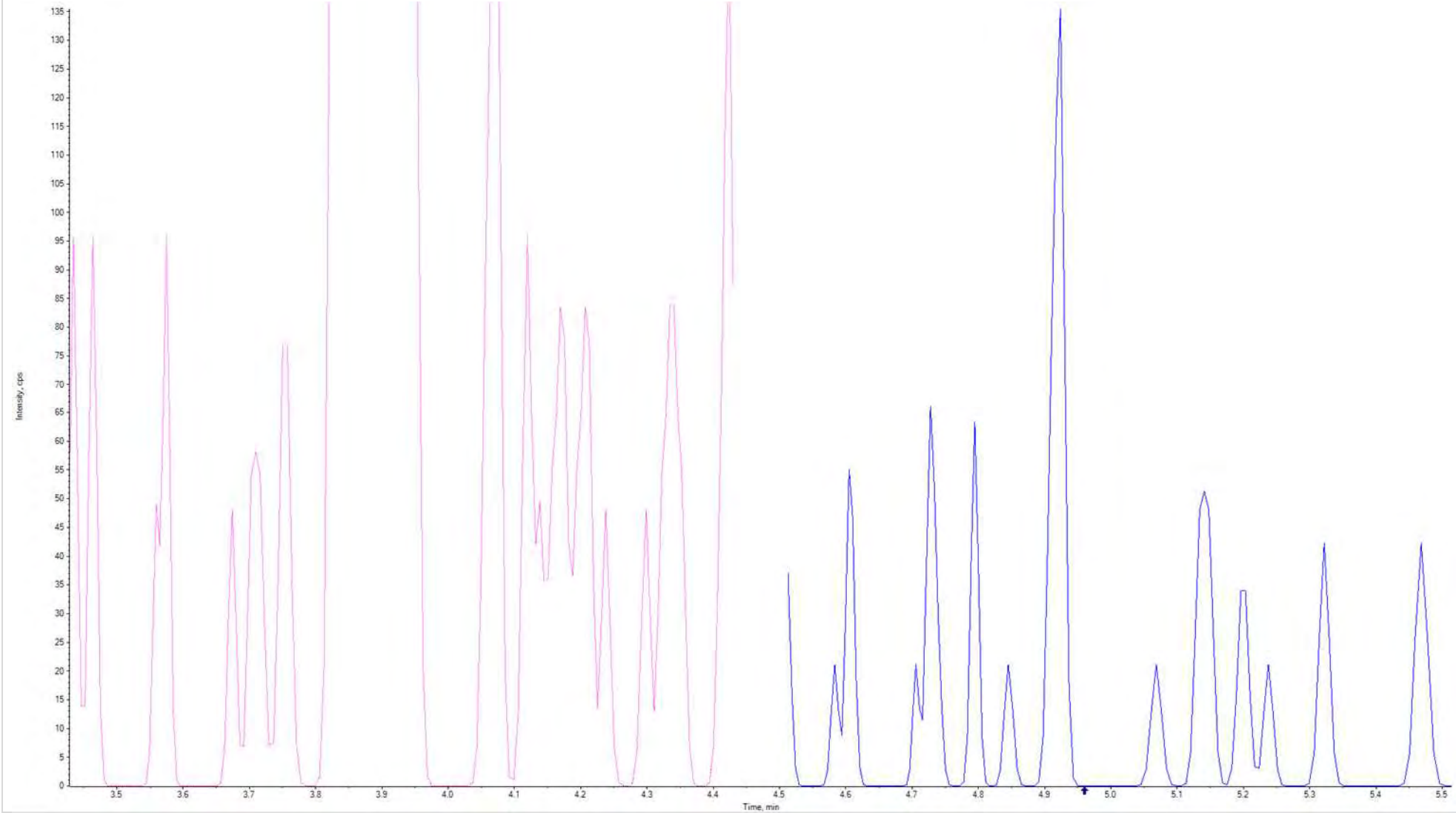

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3:3FTCA
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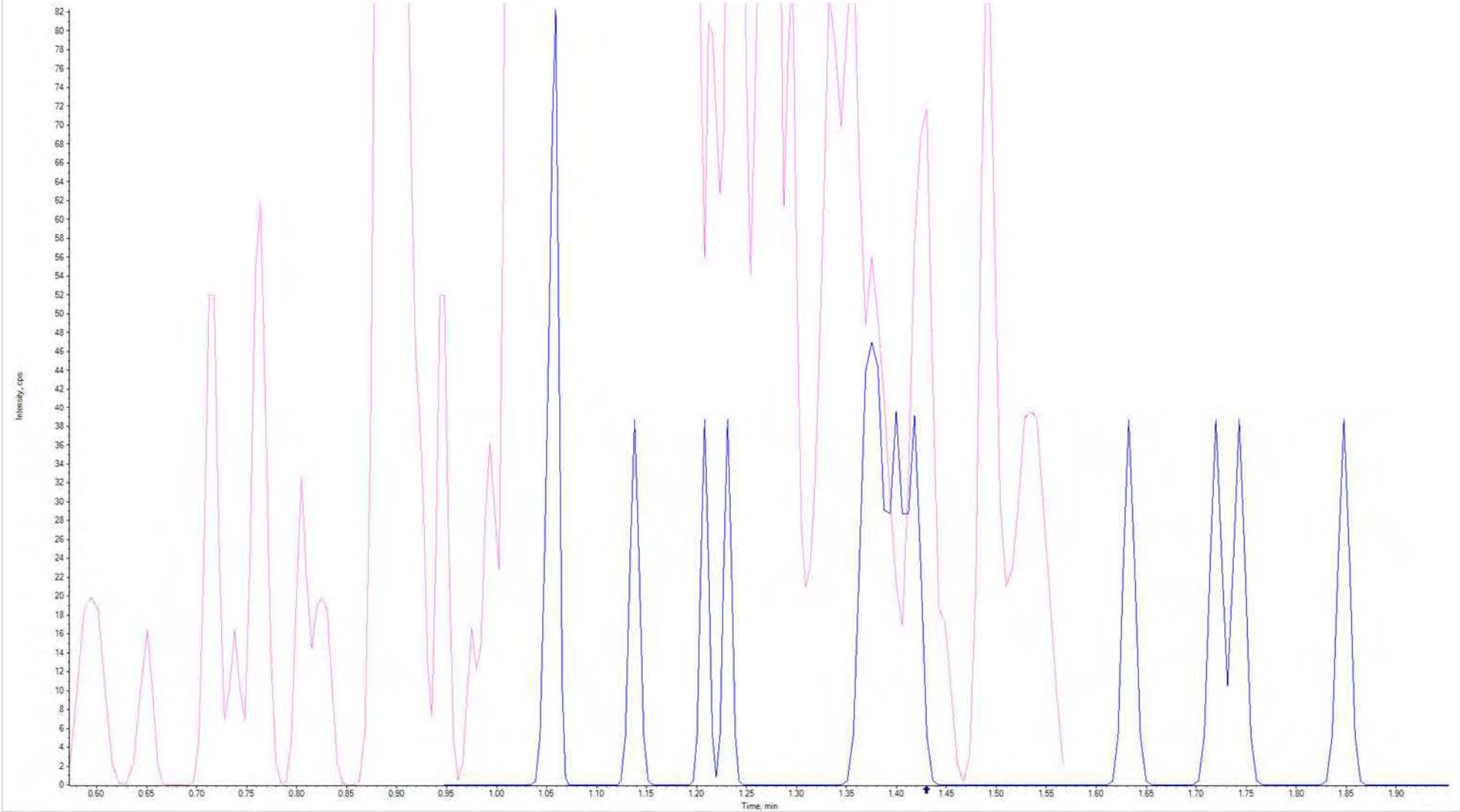

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3:3FTCA_2
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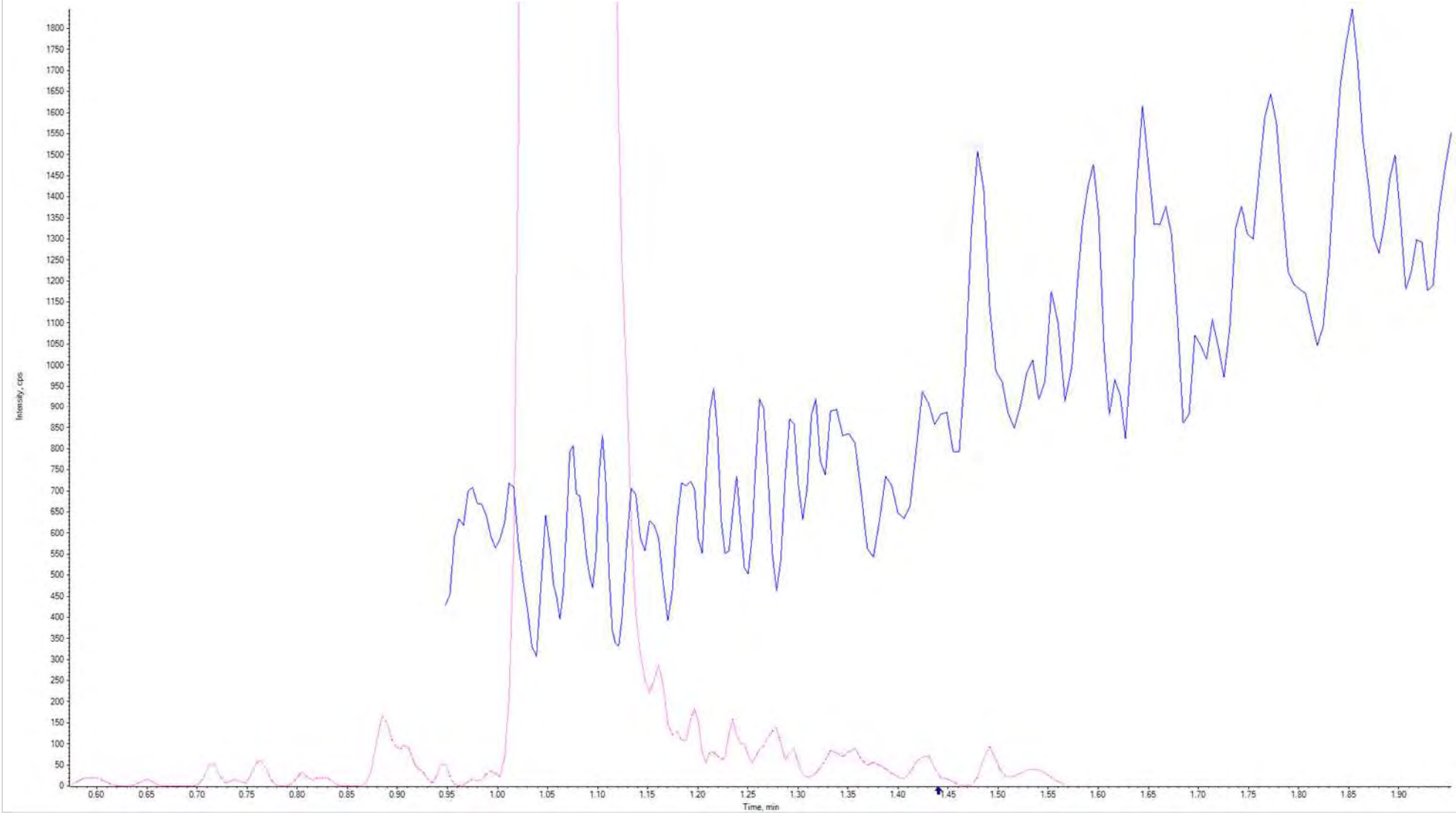

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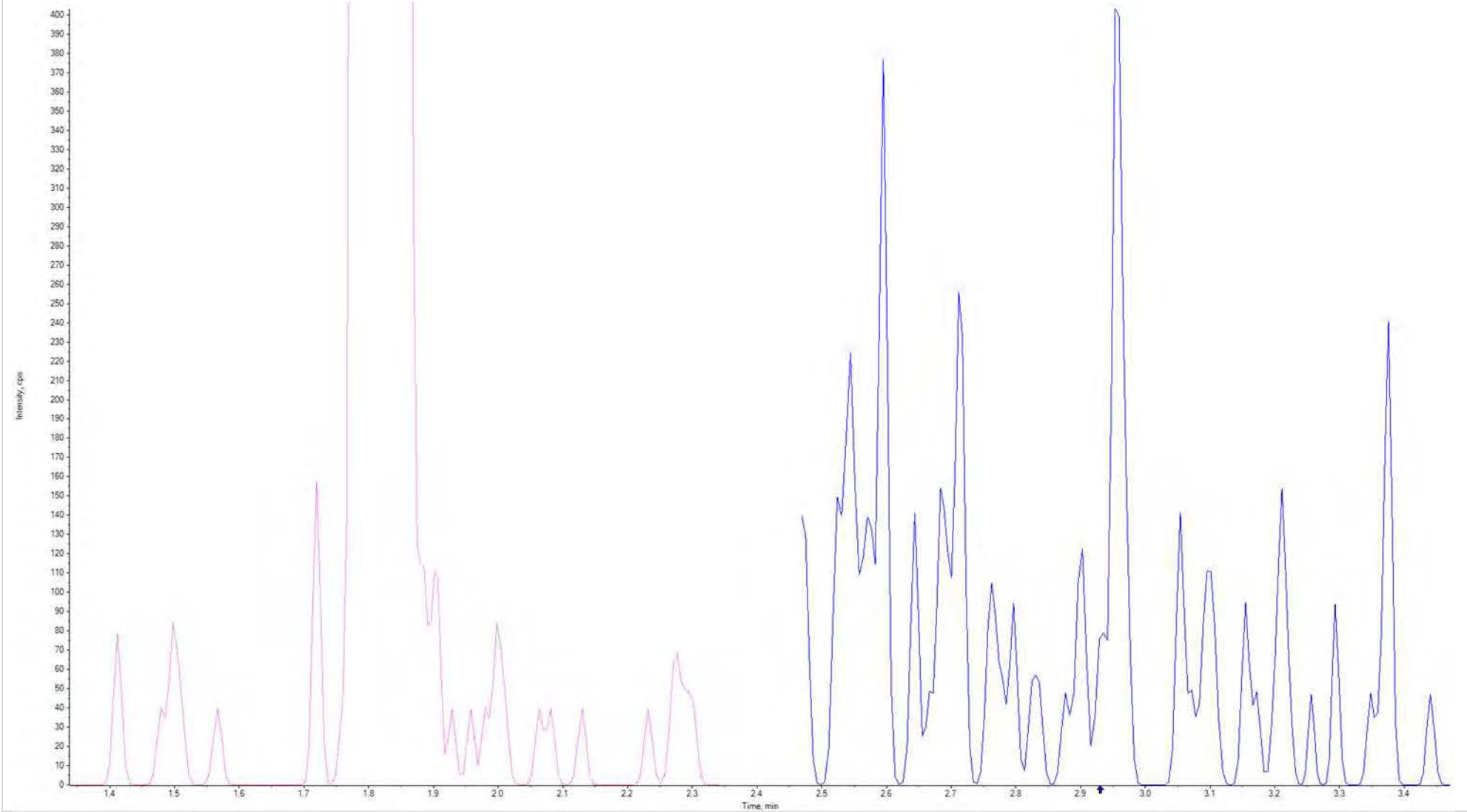
5:3FTCA
Sample: WG2012727-1 S/N:N/A Points Across peak:N/A



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5:3FTCA_2
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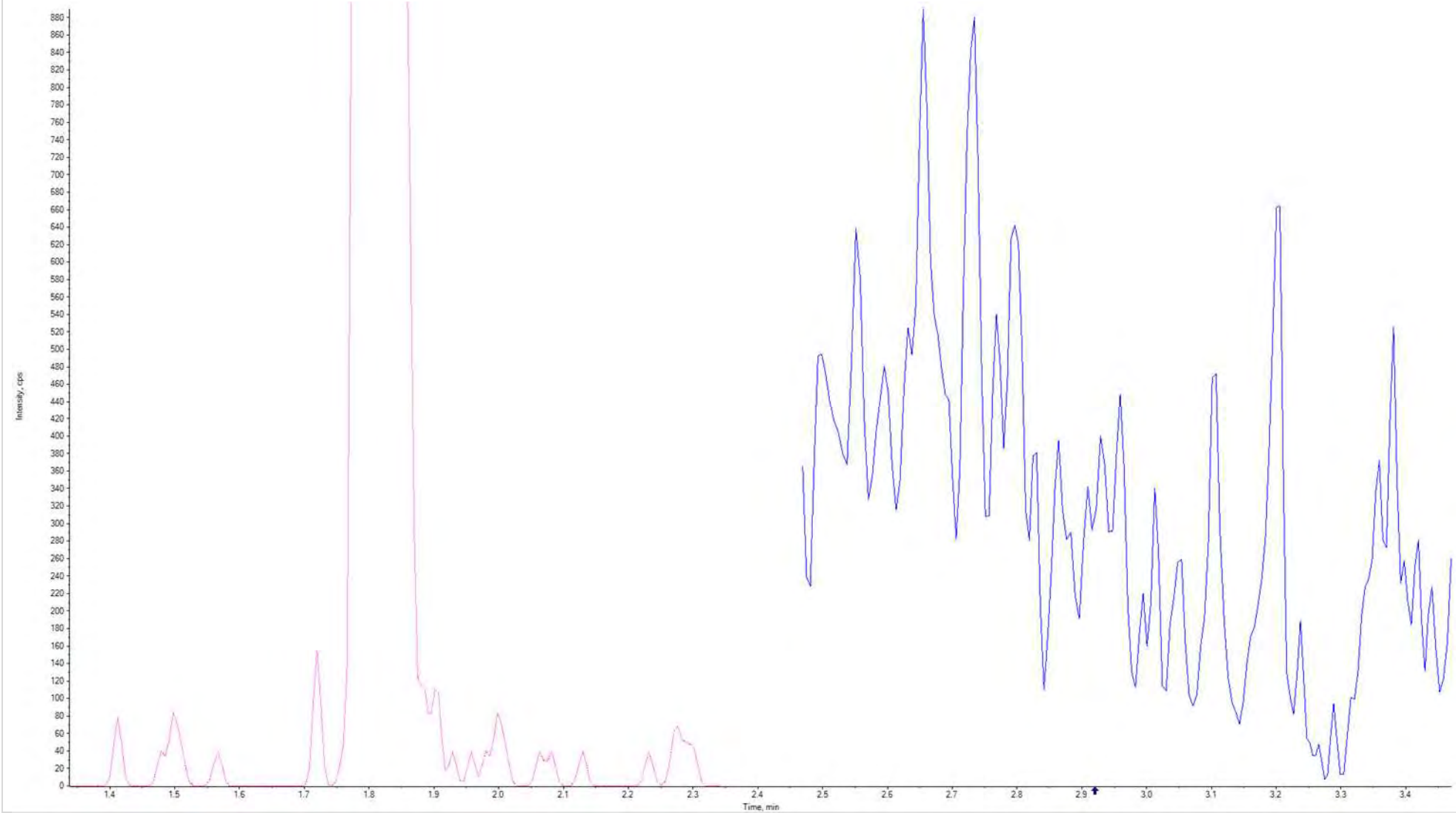

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7:3FTCA
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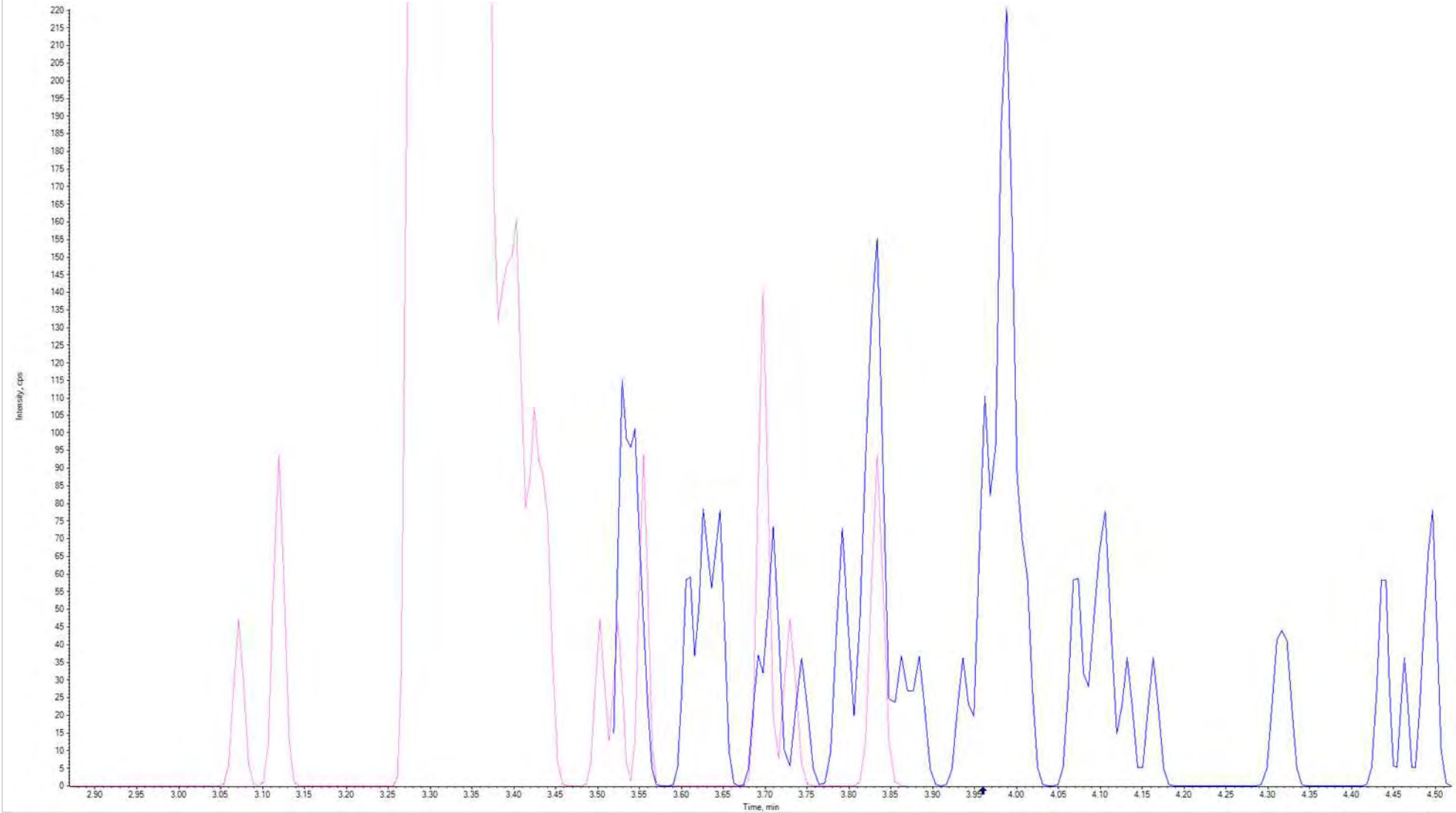

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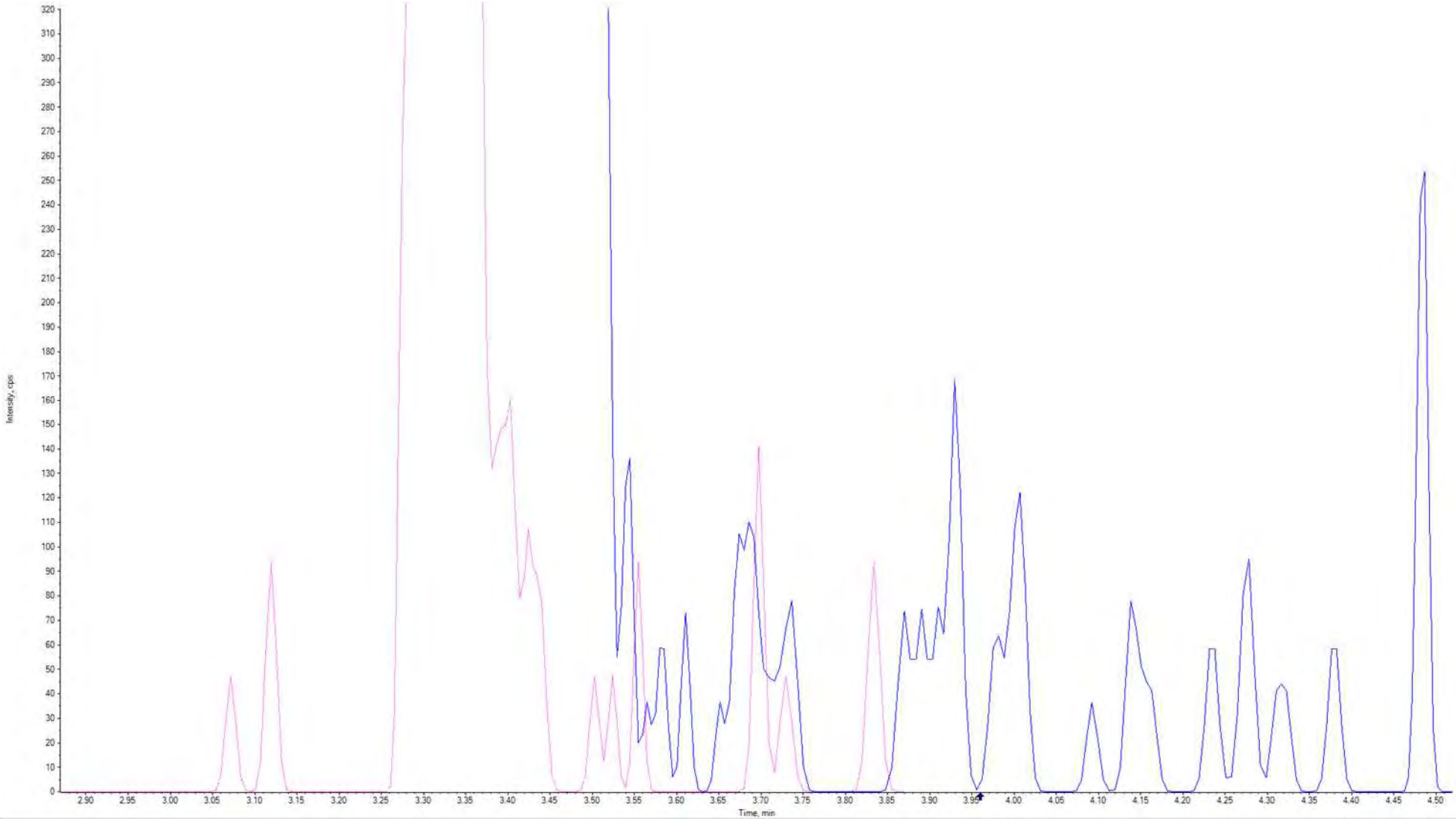
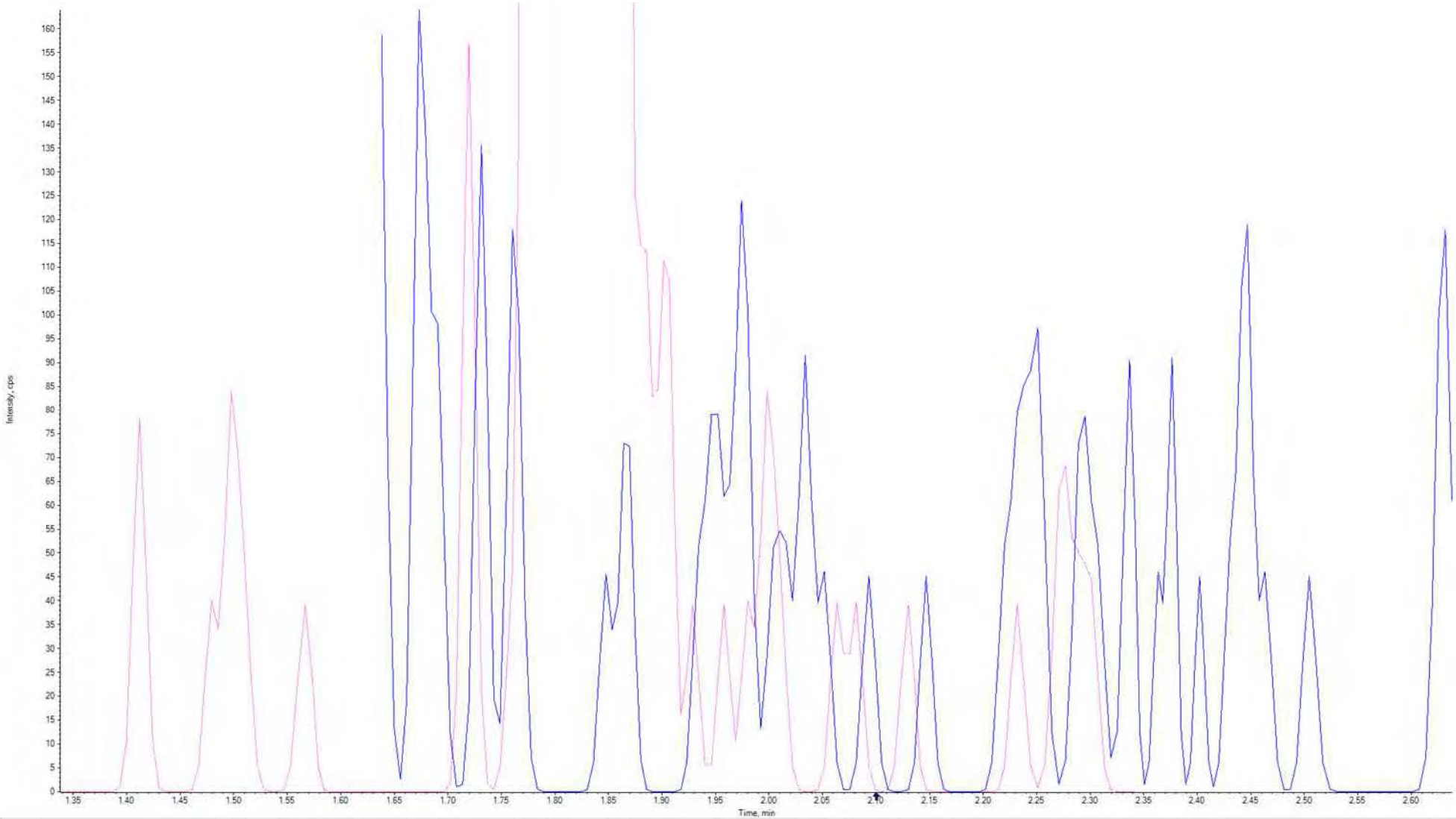


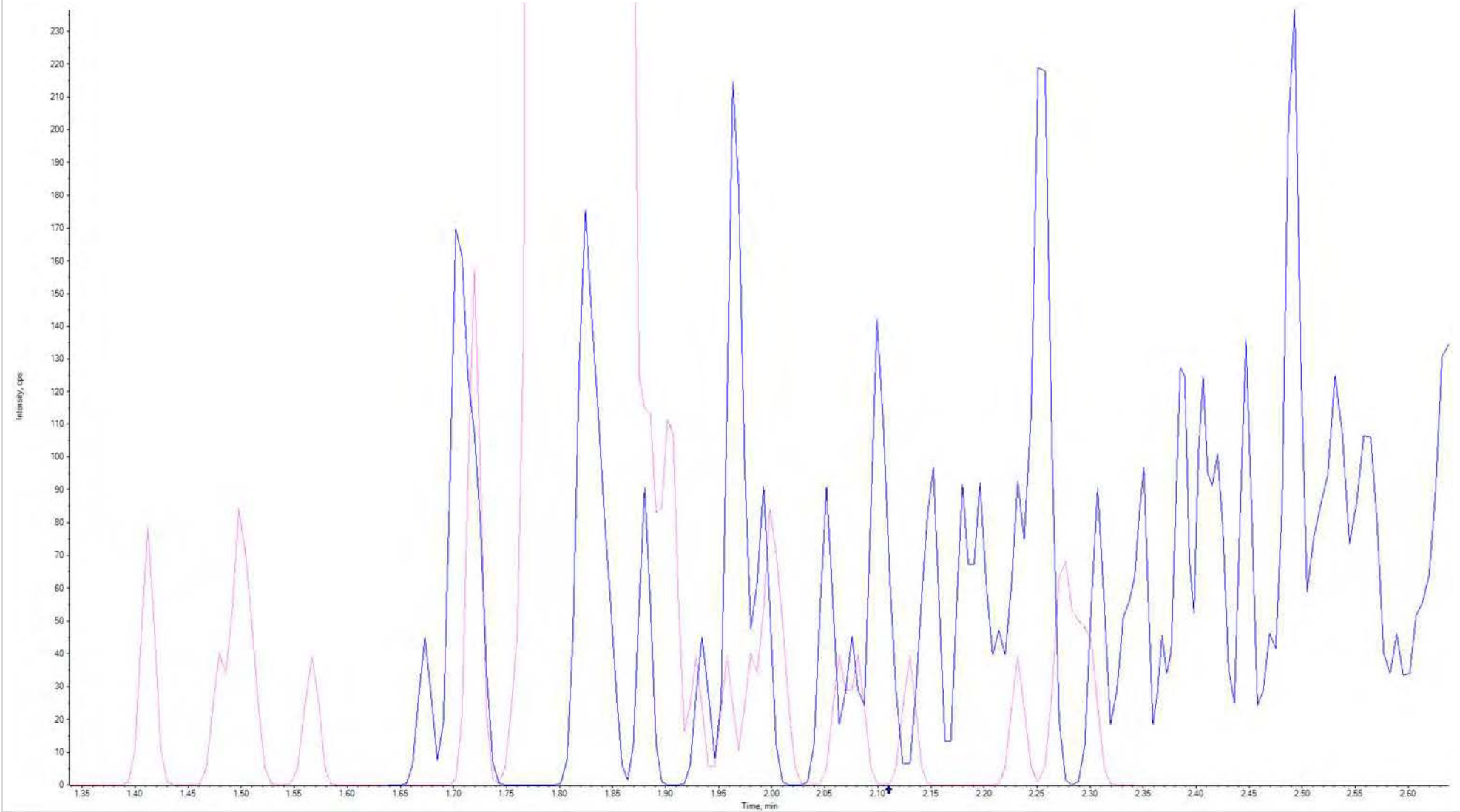
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_19.wiff2_4
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFEESA
Sample: WG2012727-1 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_19.wiff2_4
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFEESA_2
Sample: WG2012727-1 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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PFMPA
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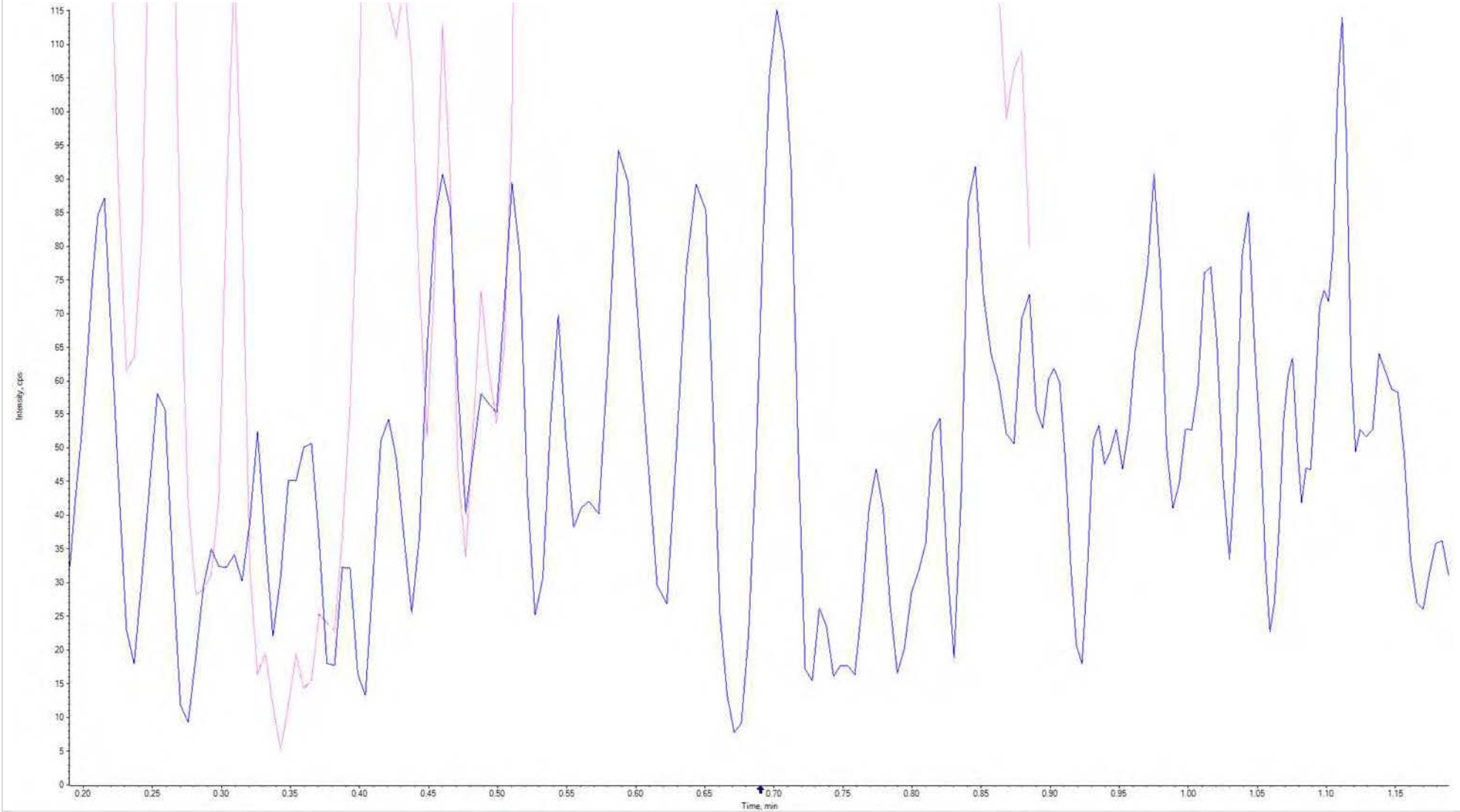

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/24/2024 7:52:08 AM
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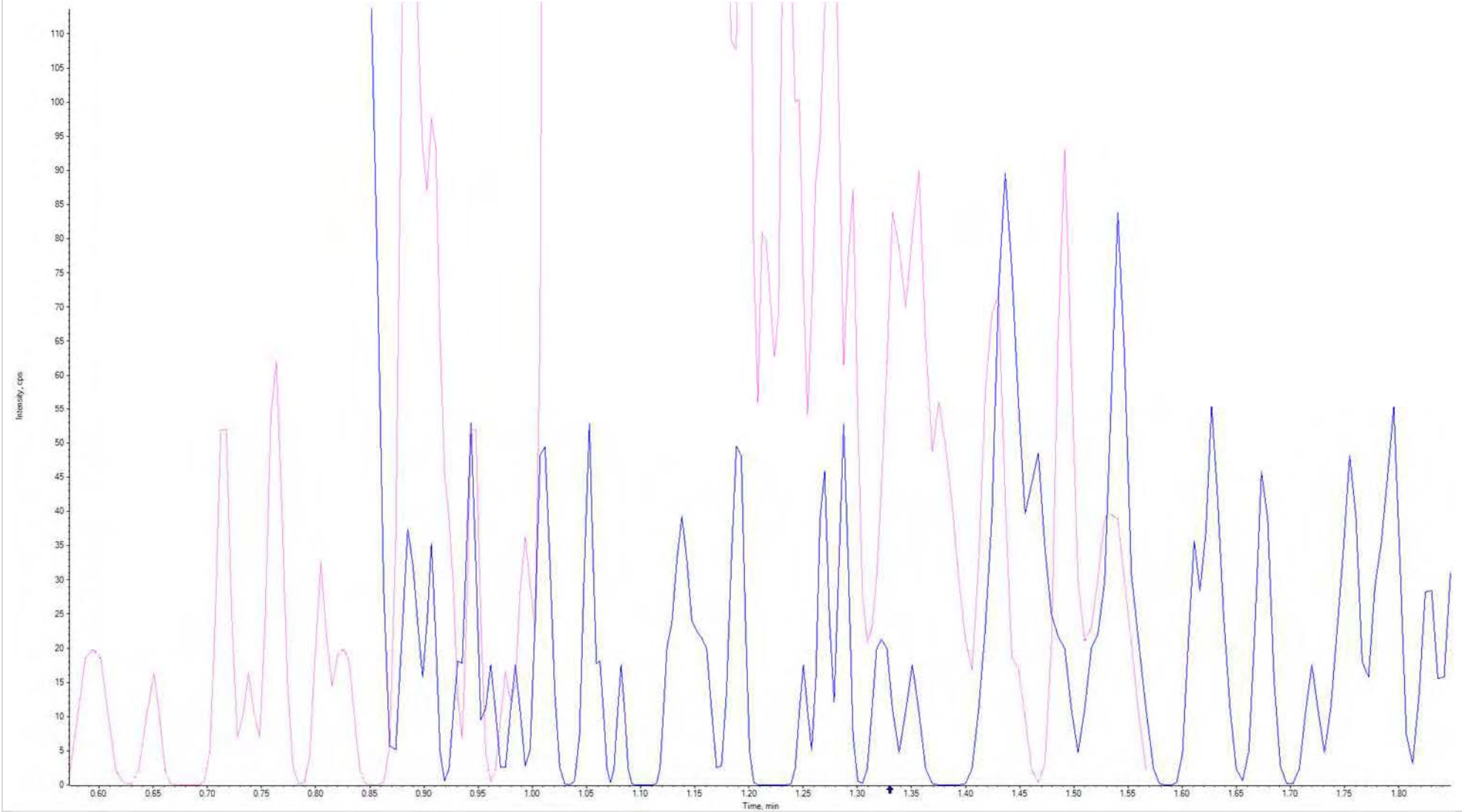
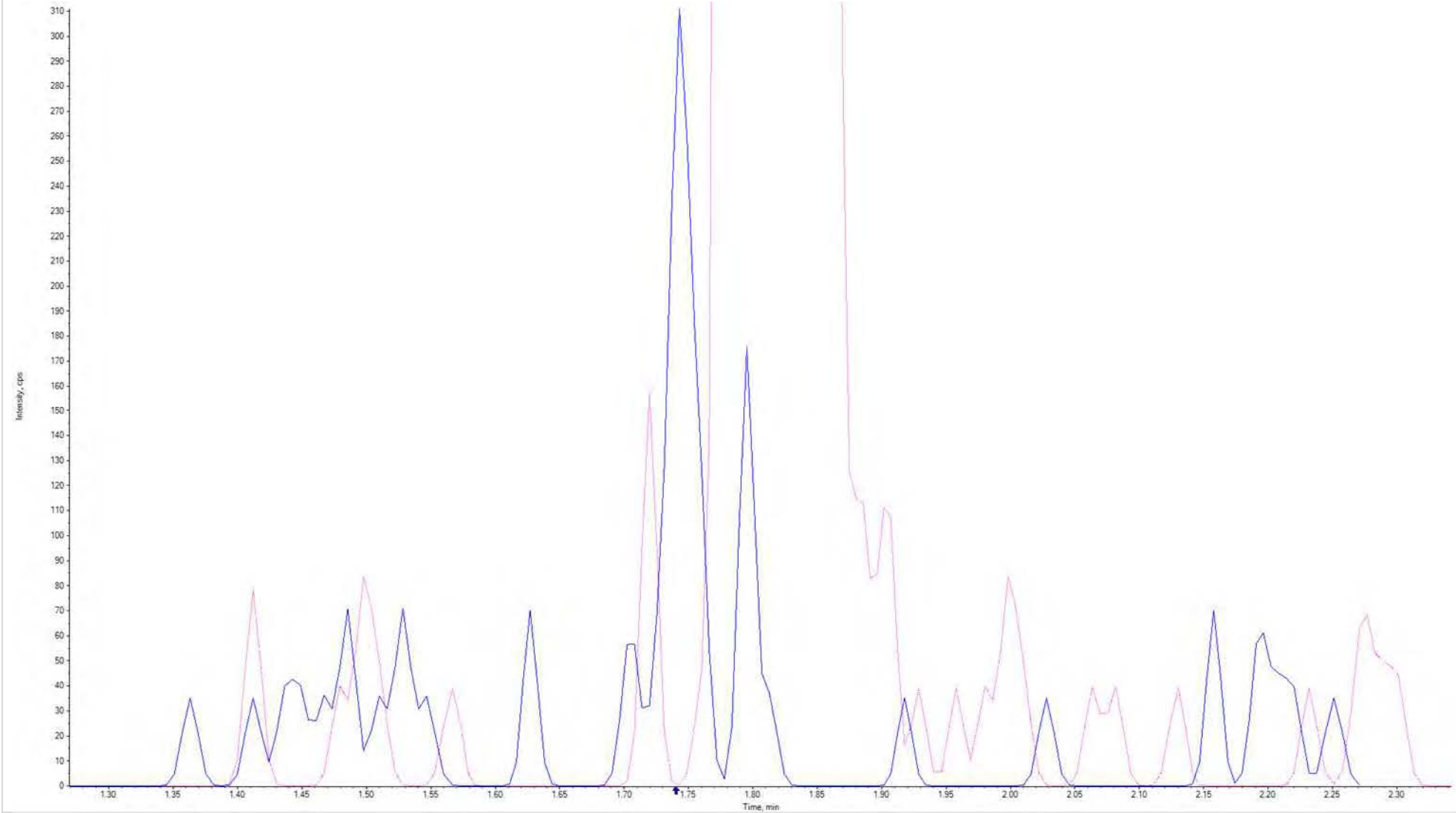
PFMBA
Sample: WG2012727-1 S/N:N/A Points Across peak:N/A



NFDHA
Sample: WG2012727-1 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/24/2024 7:52:08 AM
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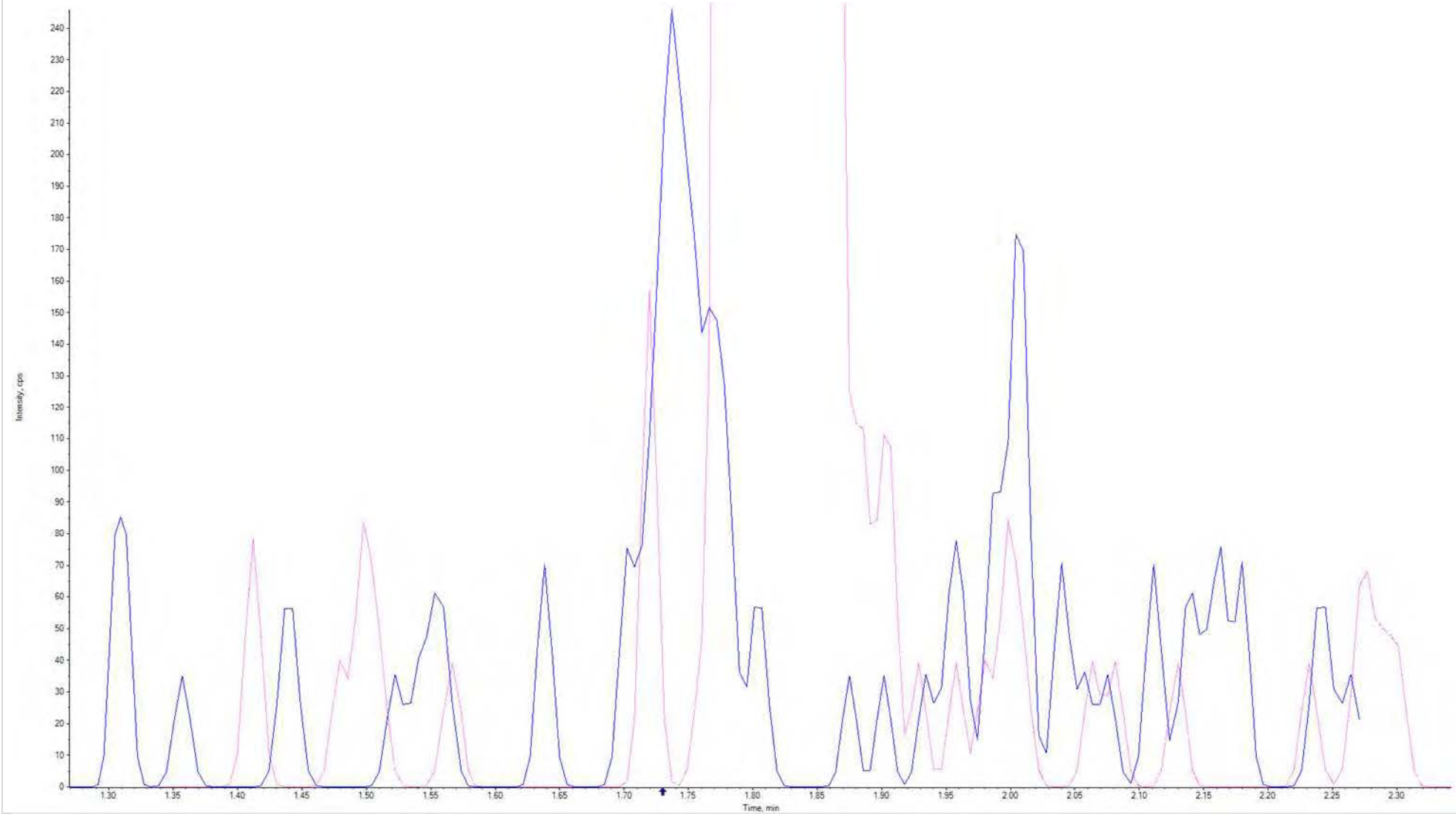
NFDHA_2
Sample: WG2012727-1 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/24/2024 7:52:08 AM
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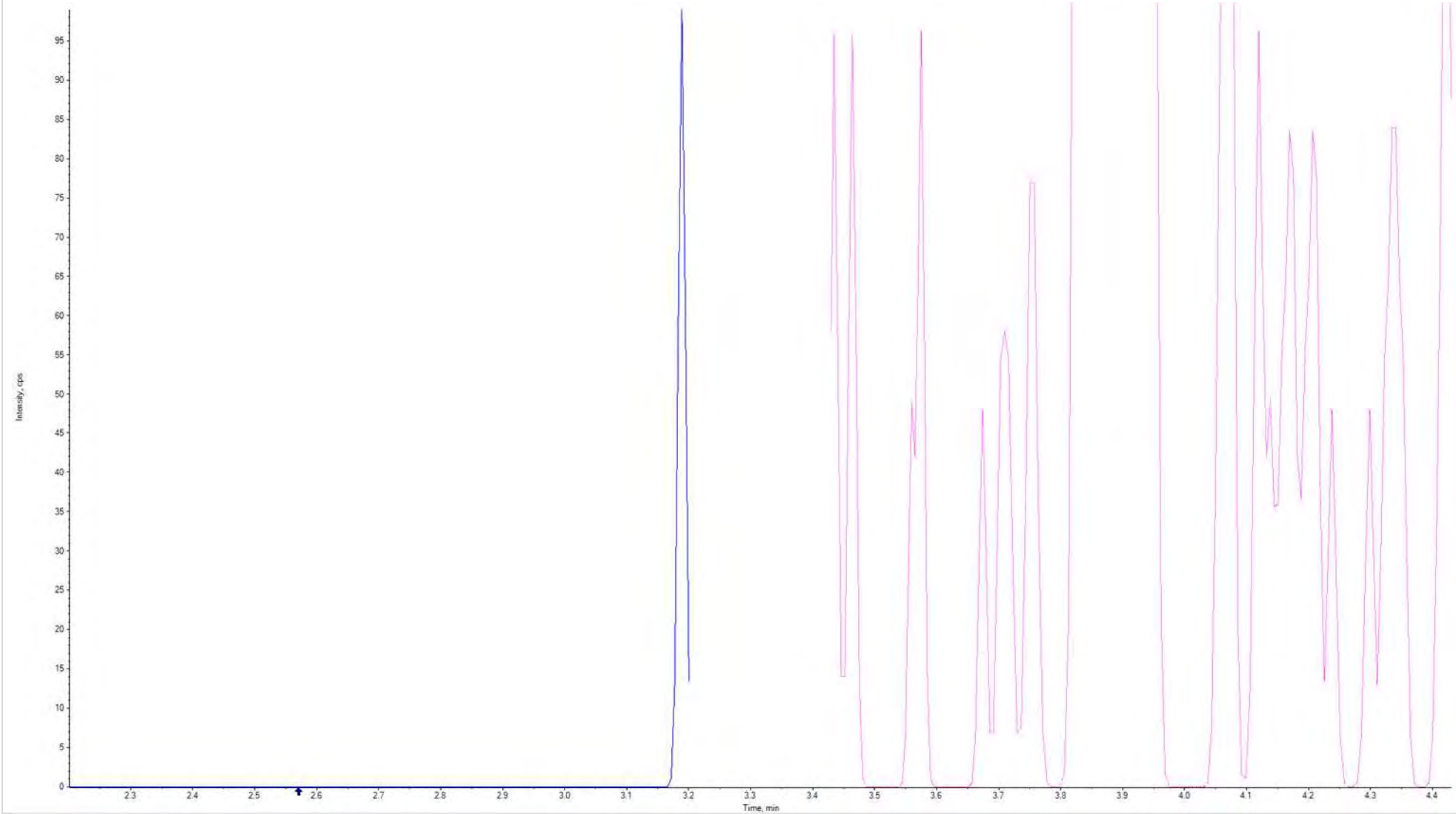
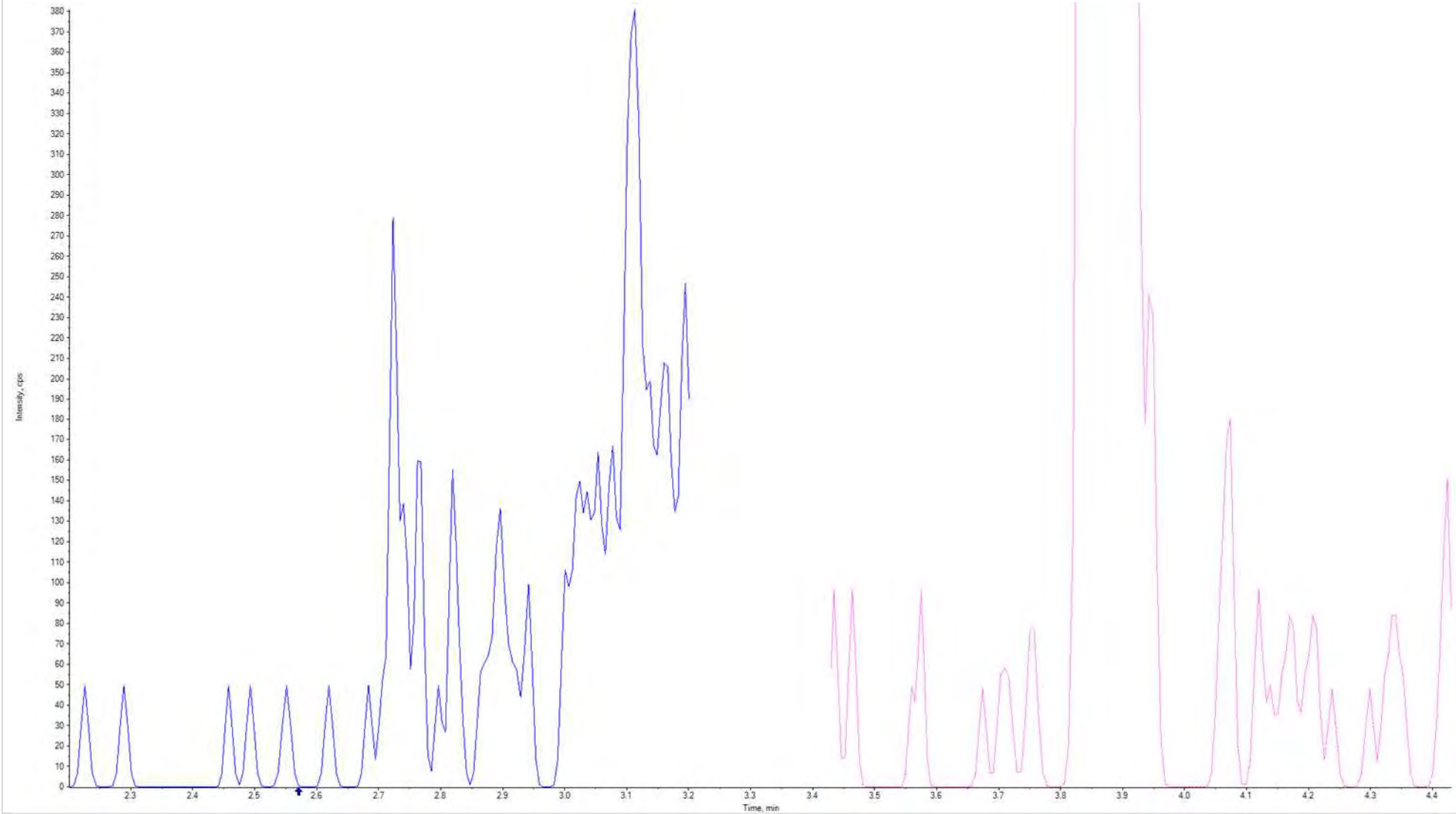
TDCA
Sample: WG2012727-1 S/N:N/A Points Across peak:N/A



TDCA_2
Sample: WG2012727-1 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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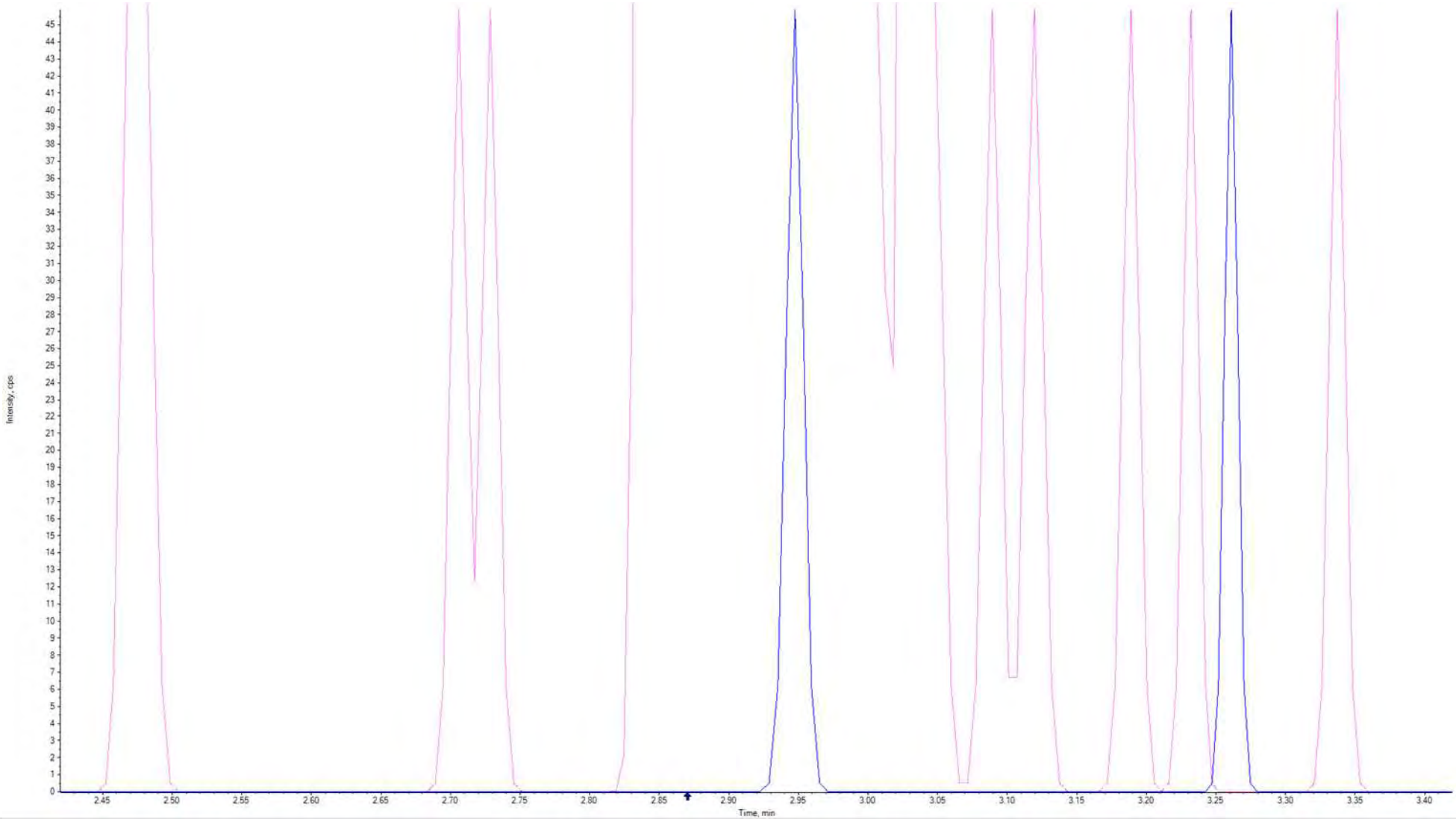
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

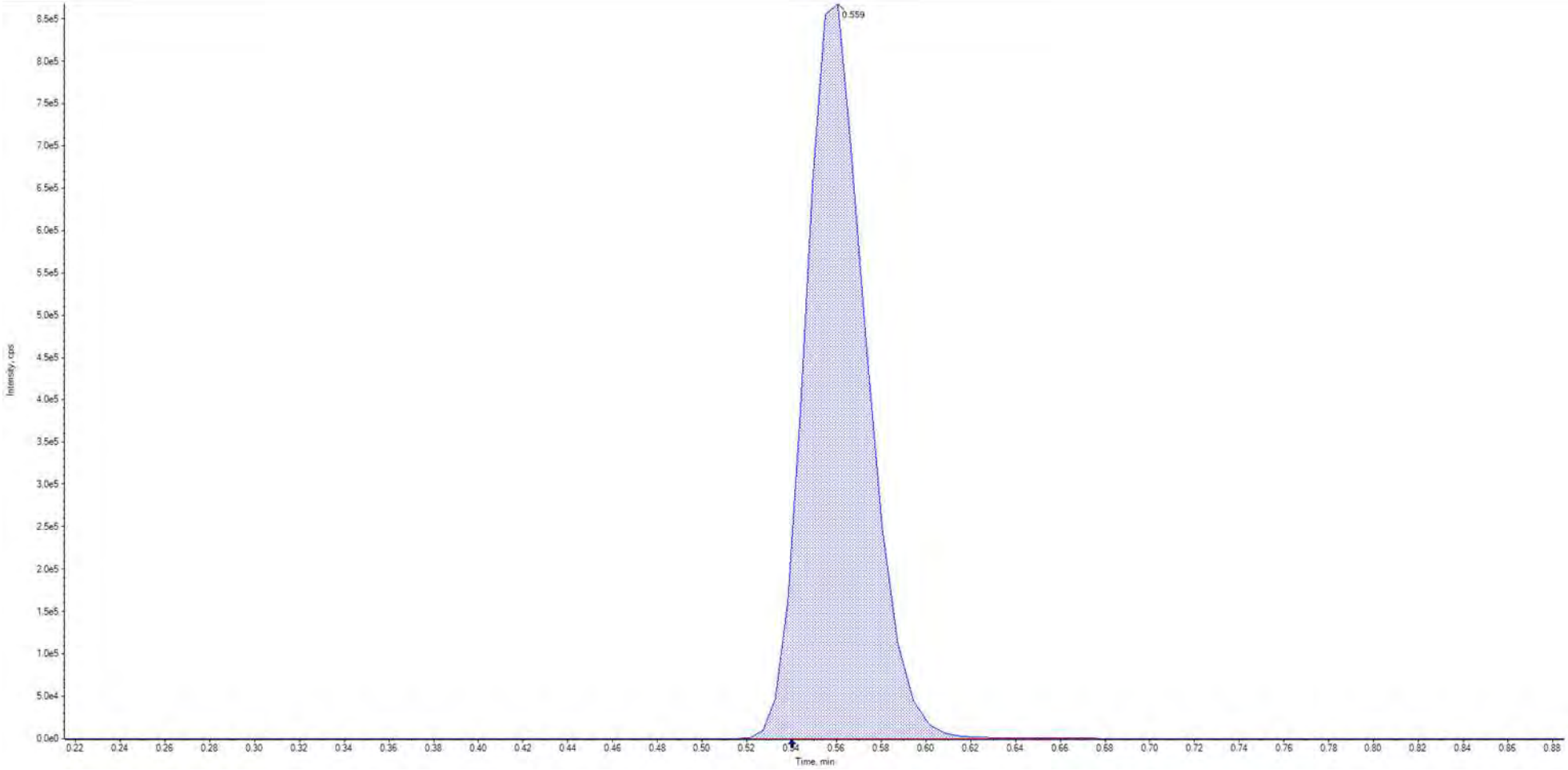
13C2D4-4:2FTS
Sample: WG2012727-1 S/N:N/A Points Across peak:N/A

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_19.wiff2_4
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

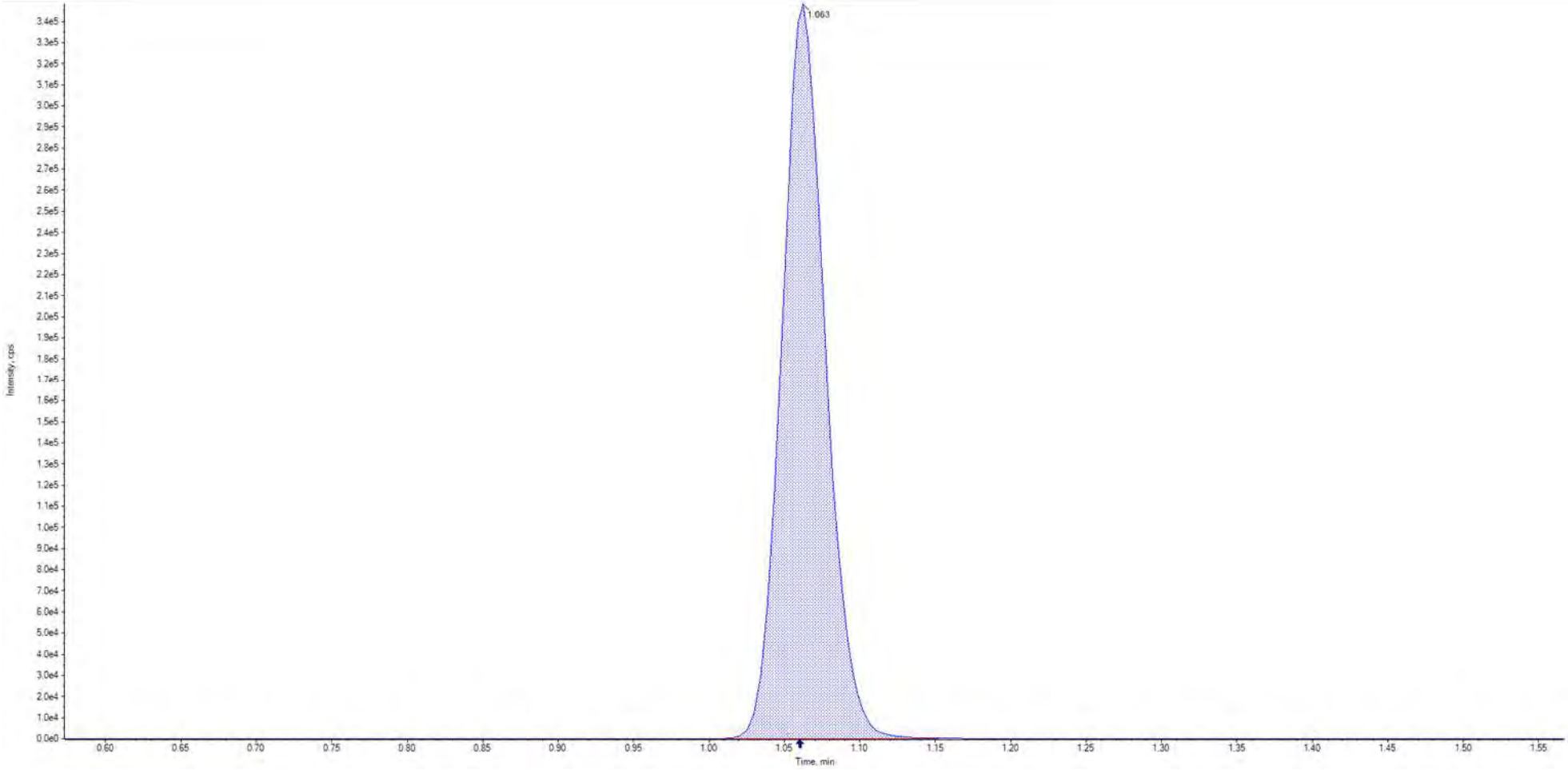
13C2-PFOA
Sample: WG2012727-1 S/N:N/A Points Across peak:N/A



13C4-PFBA
Sample: WG2012727-1



13C5-PFPeA
Sample: WG2012727-1



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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13C5-PFHxA
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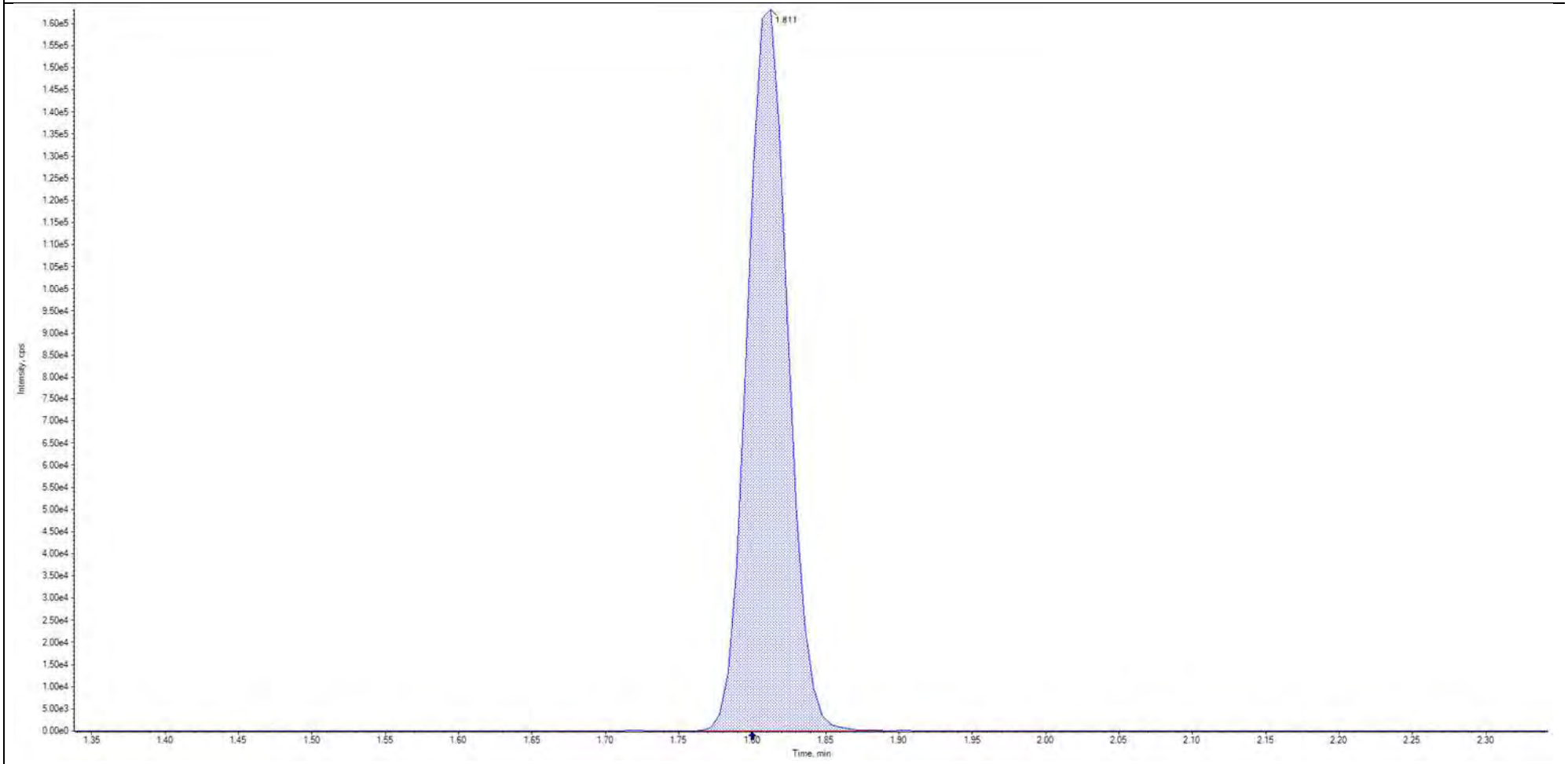

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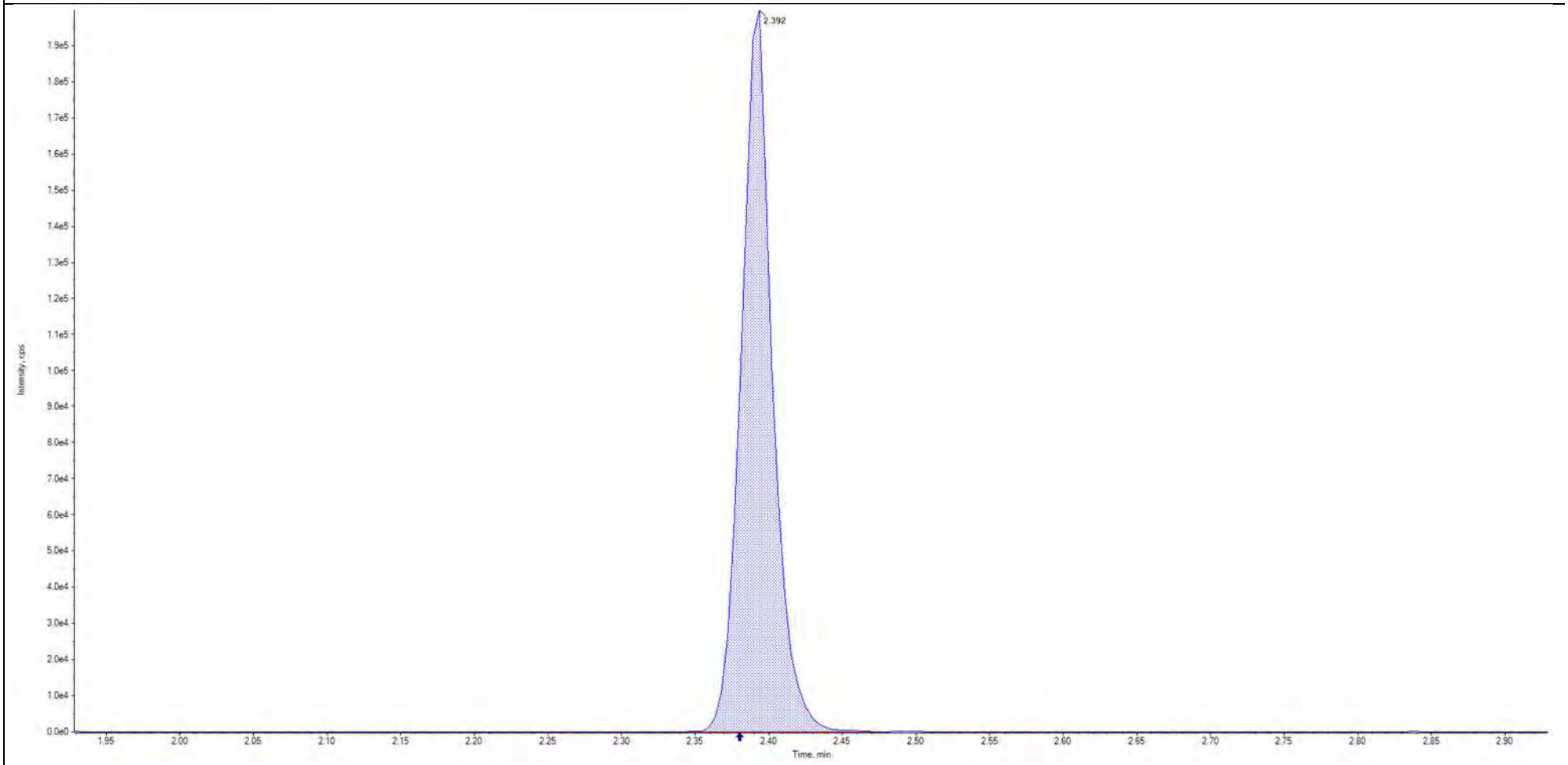
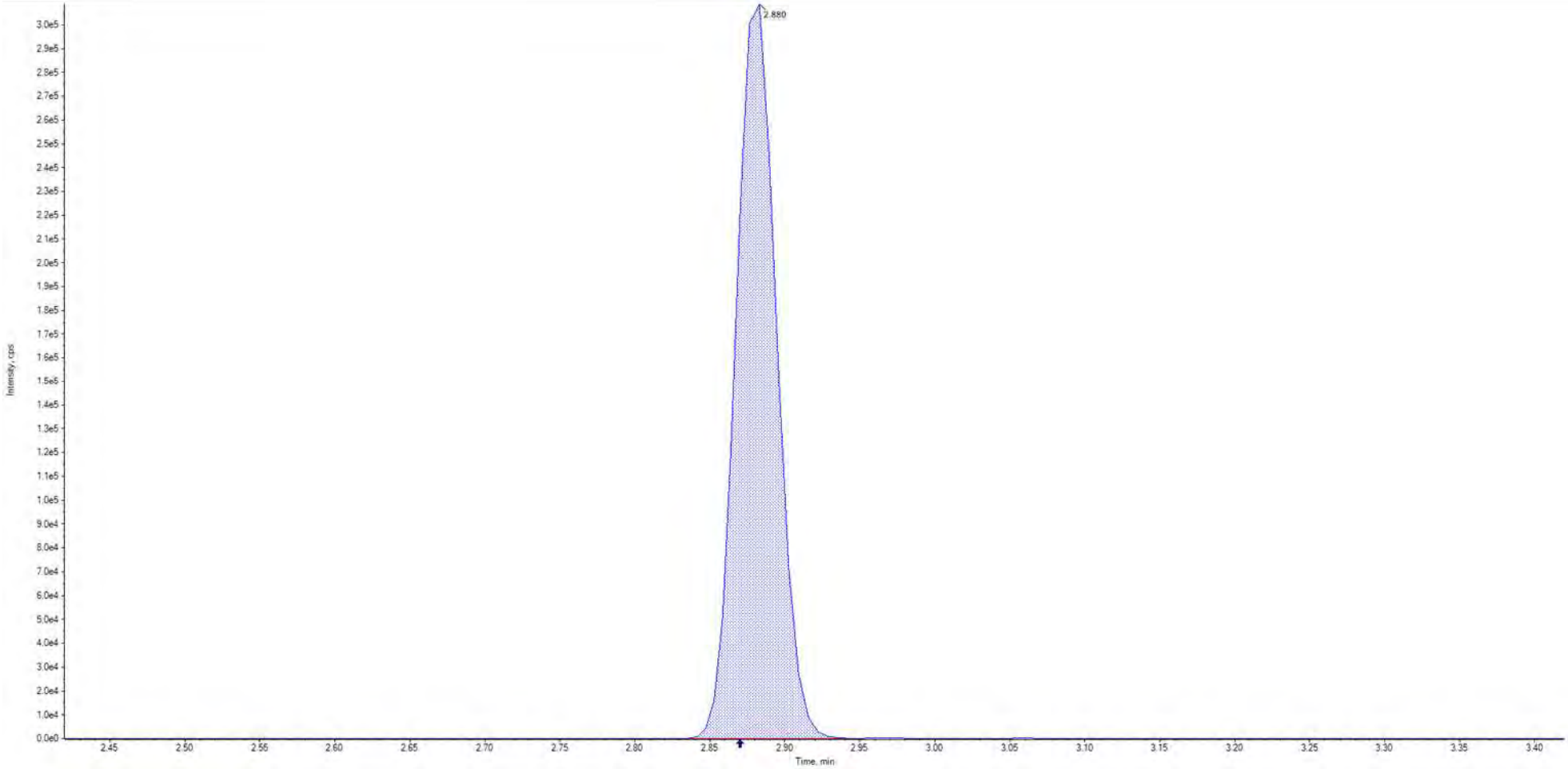


13C8-PFOA
Sample: WG2012727-1



13C9-PFNA
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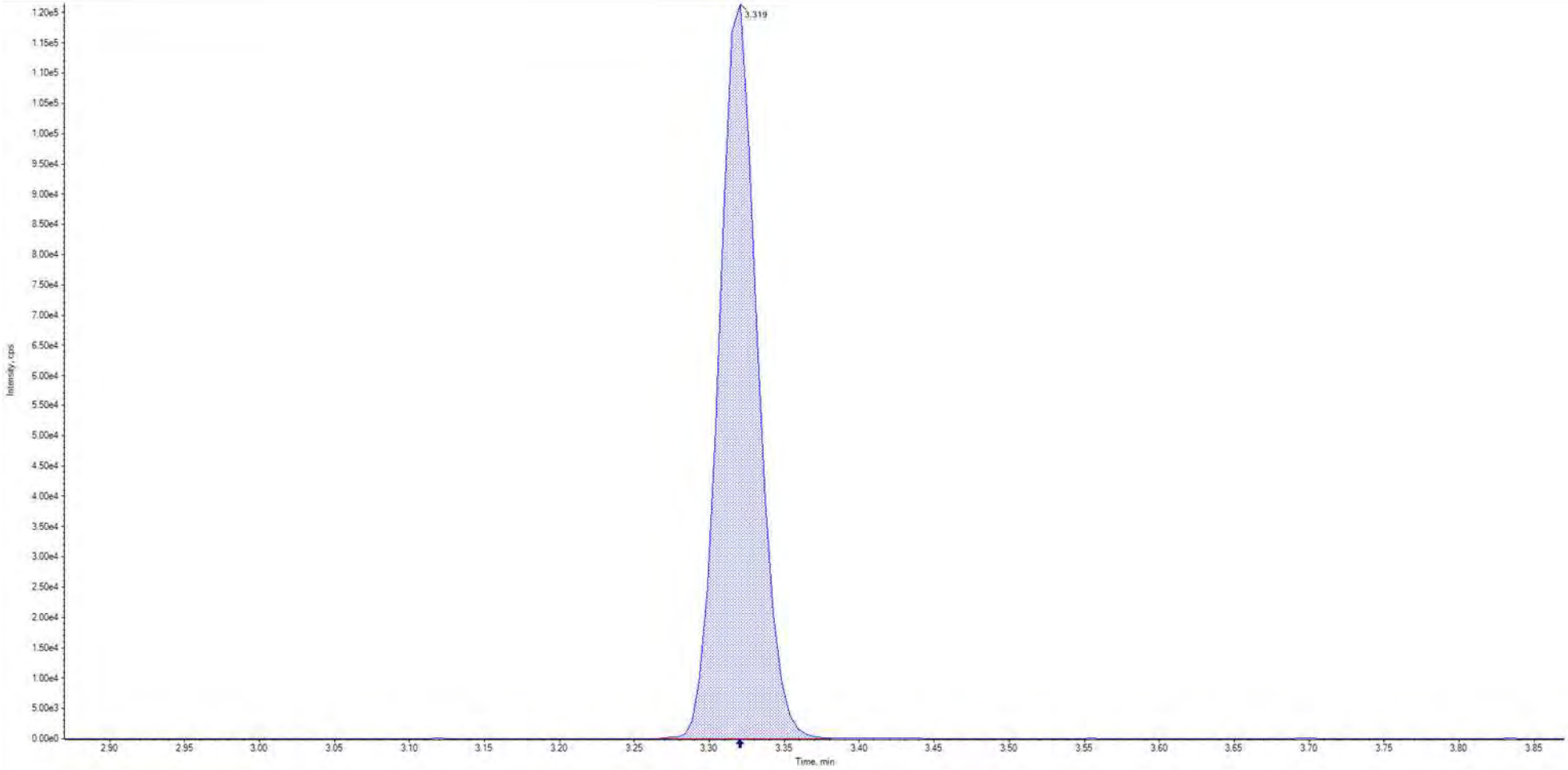
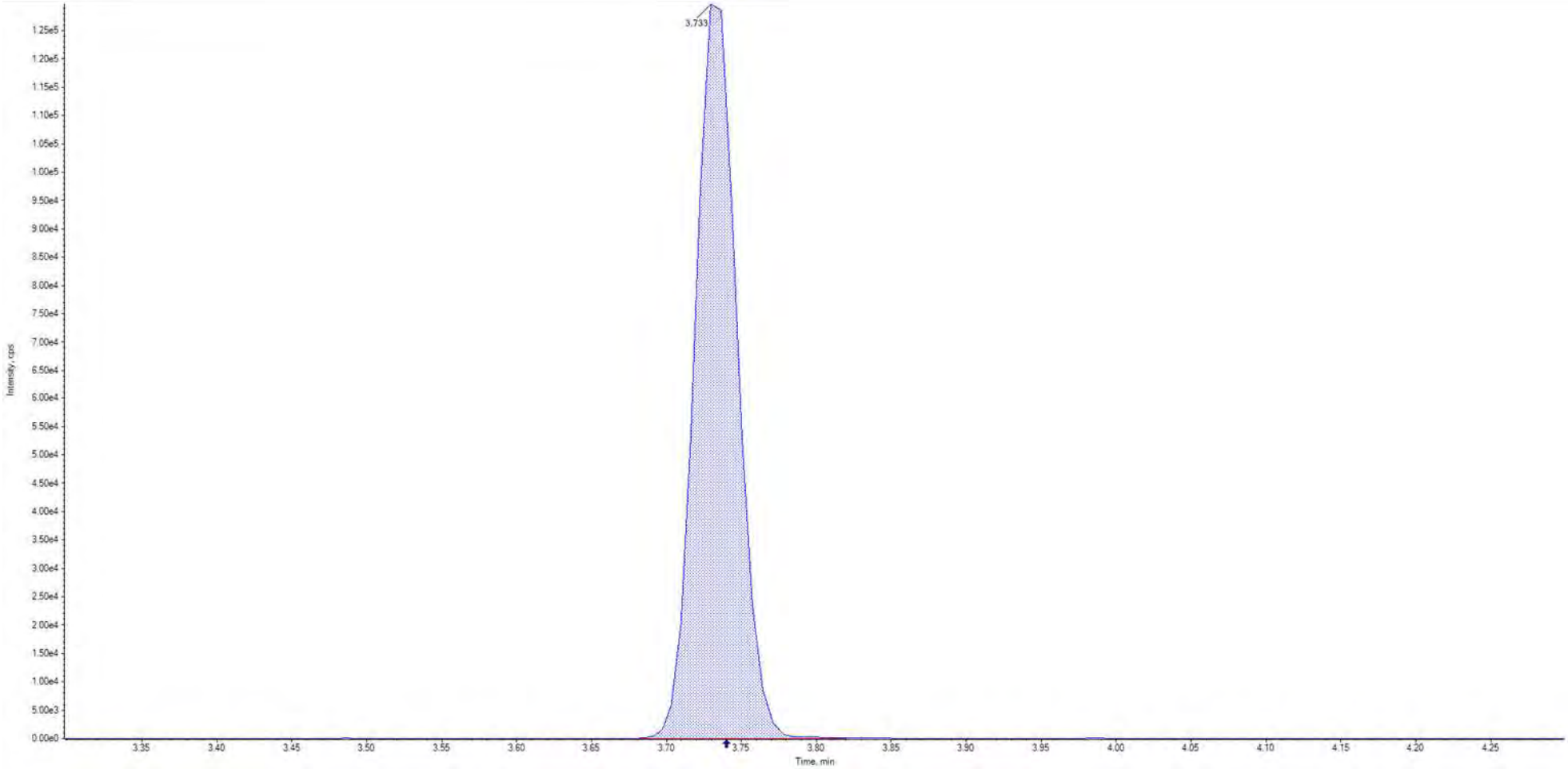
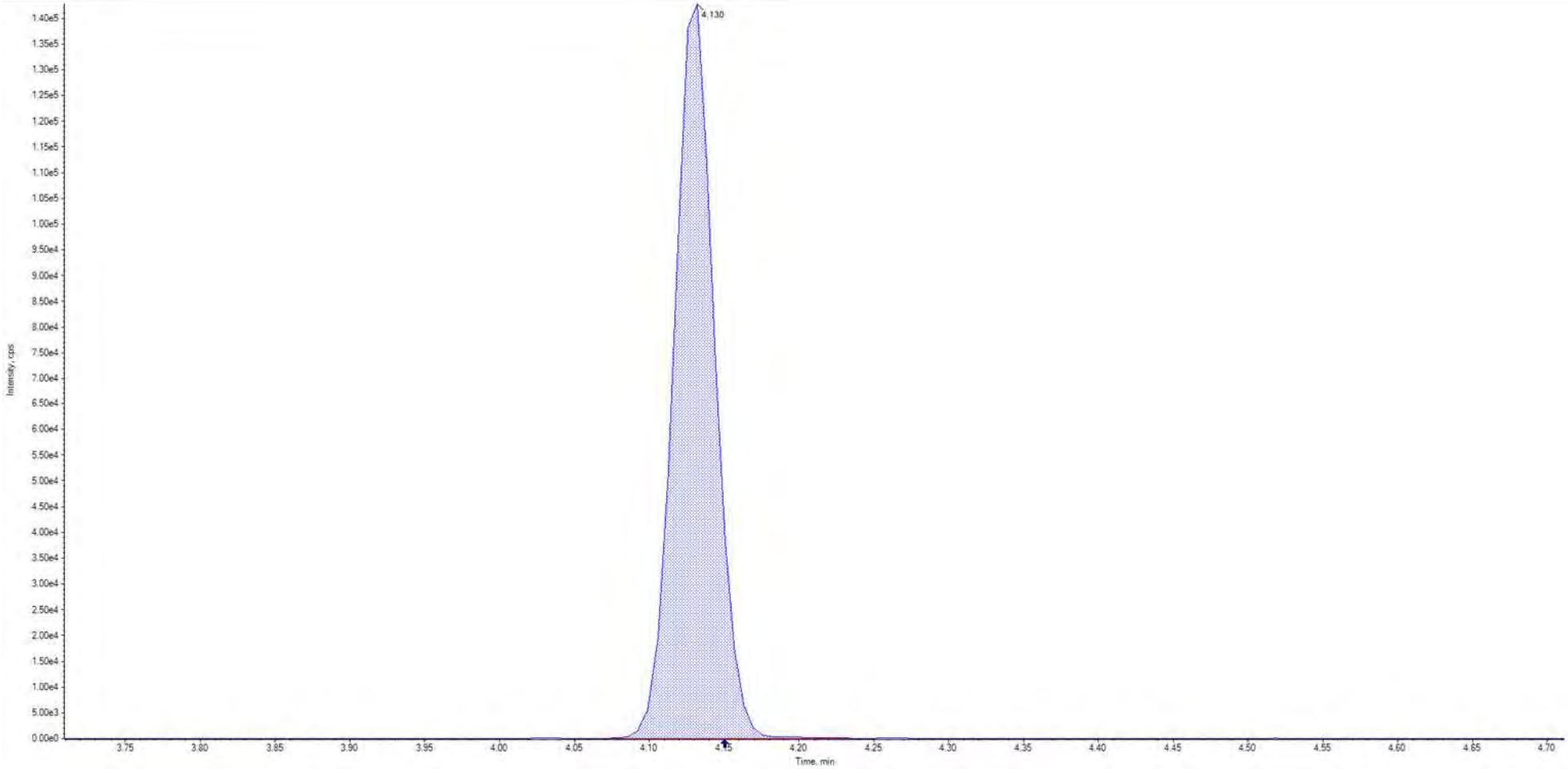


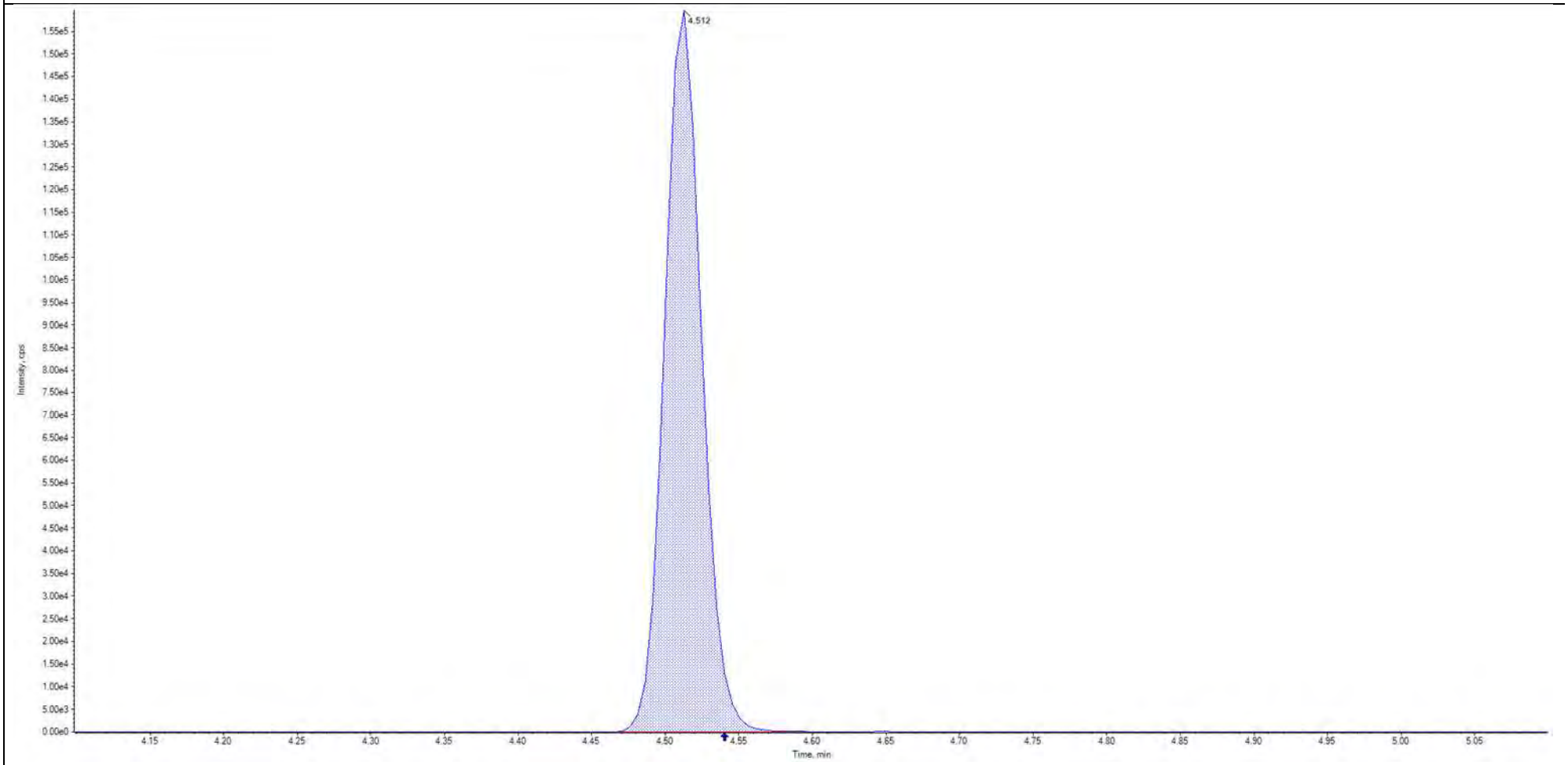
13C6-PFDA
Sample: WG2012727-1



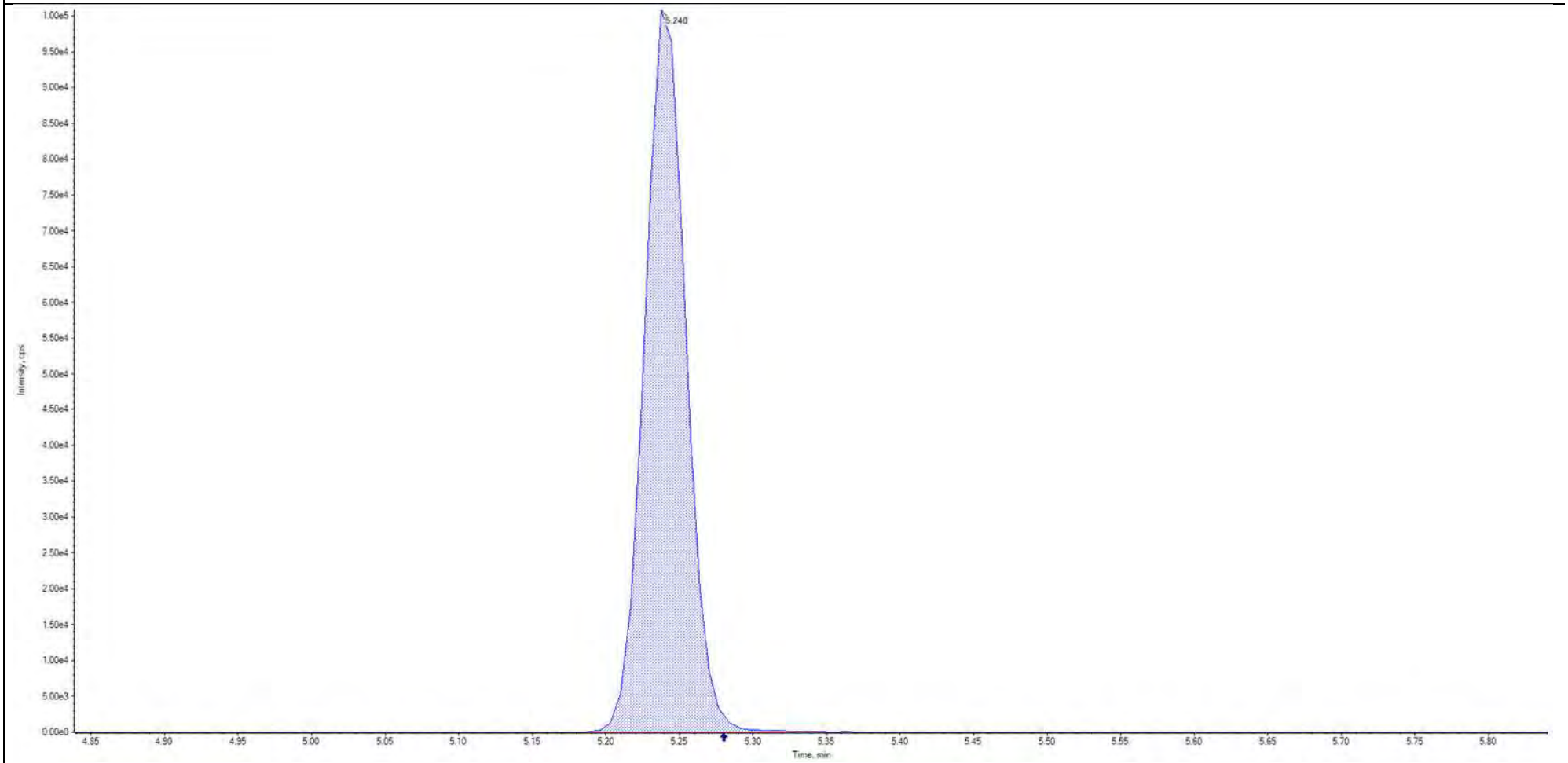
13C7-PFUnA
Sample: WG2012727-1



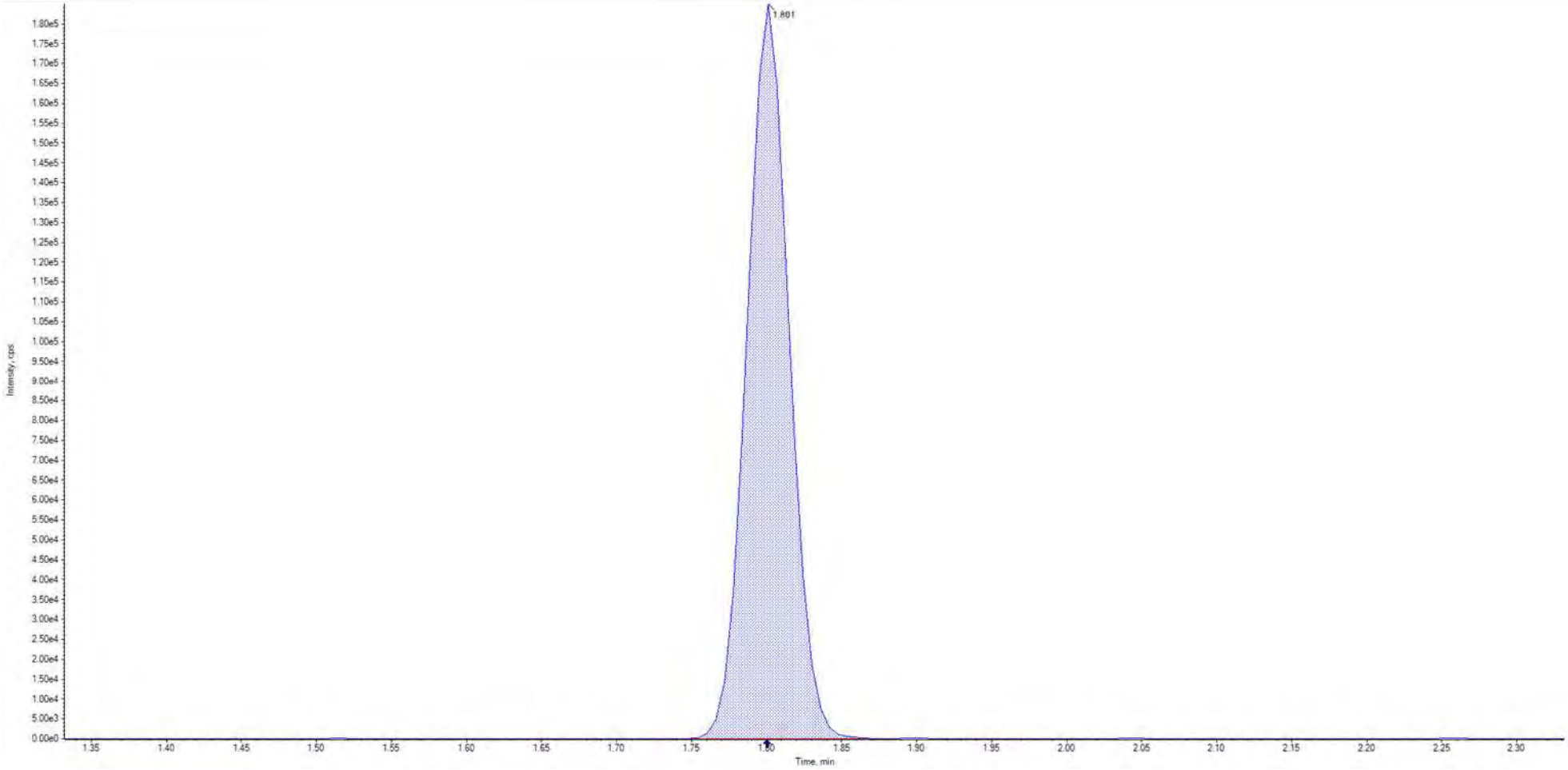
13C2-PFDoA
Sample: WG2012727-1



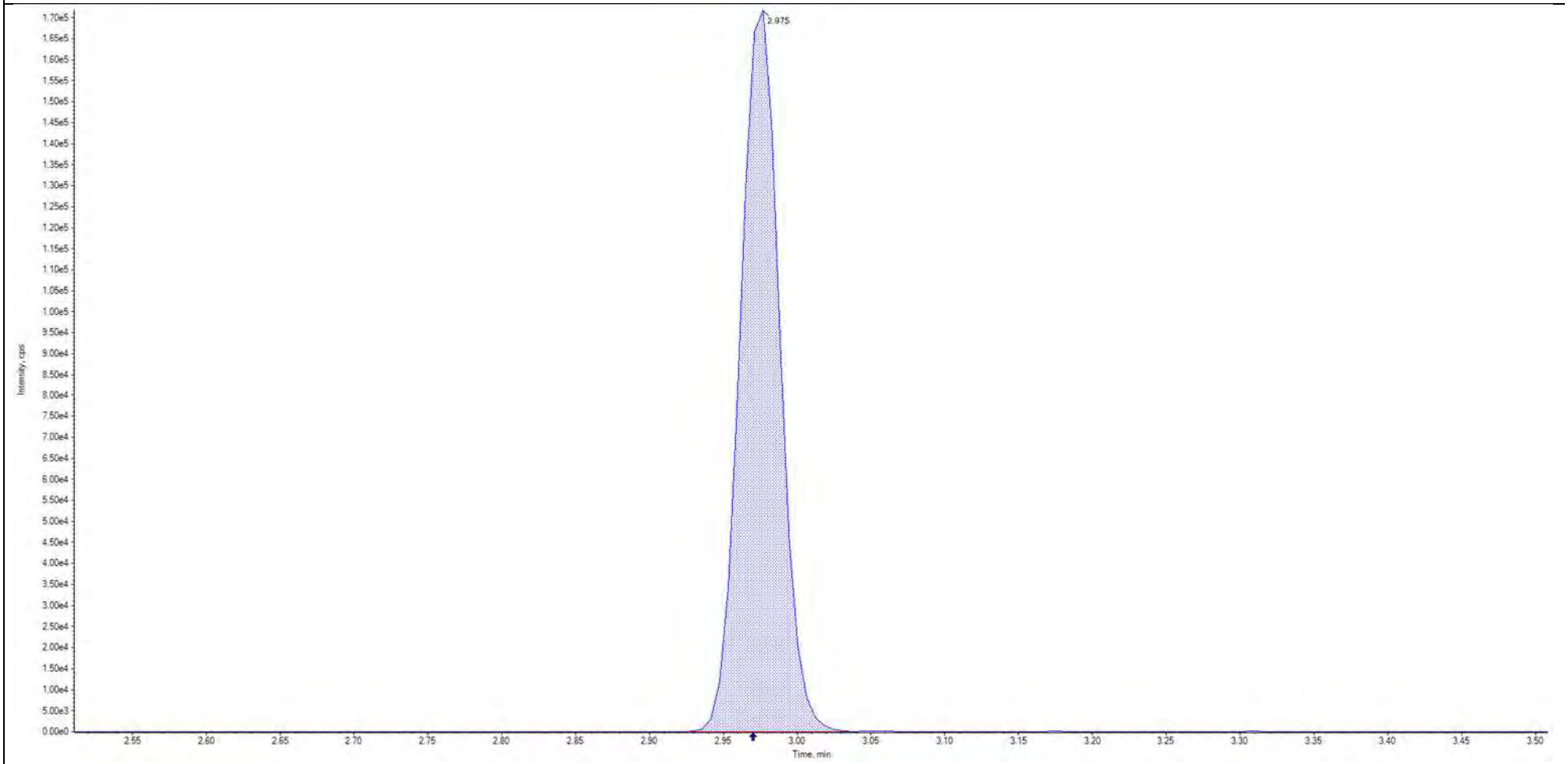
13C2-PFTeDA
Sample: WG2012727-1



13C3-PFBS
Sample: WG2012727-1



13C3-PFHxS
Sample: WG2012727-1



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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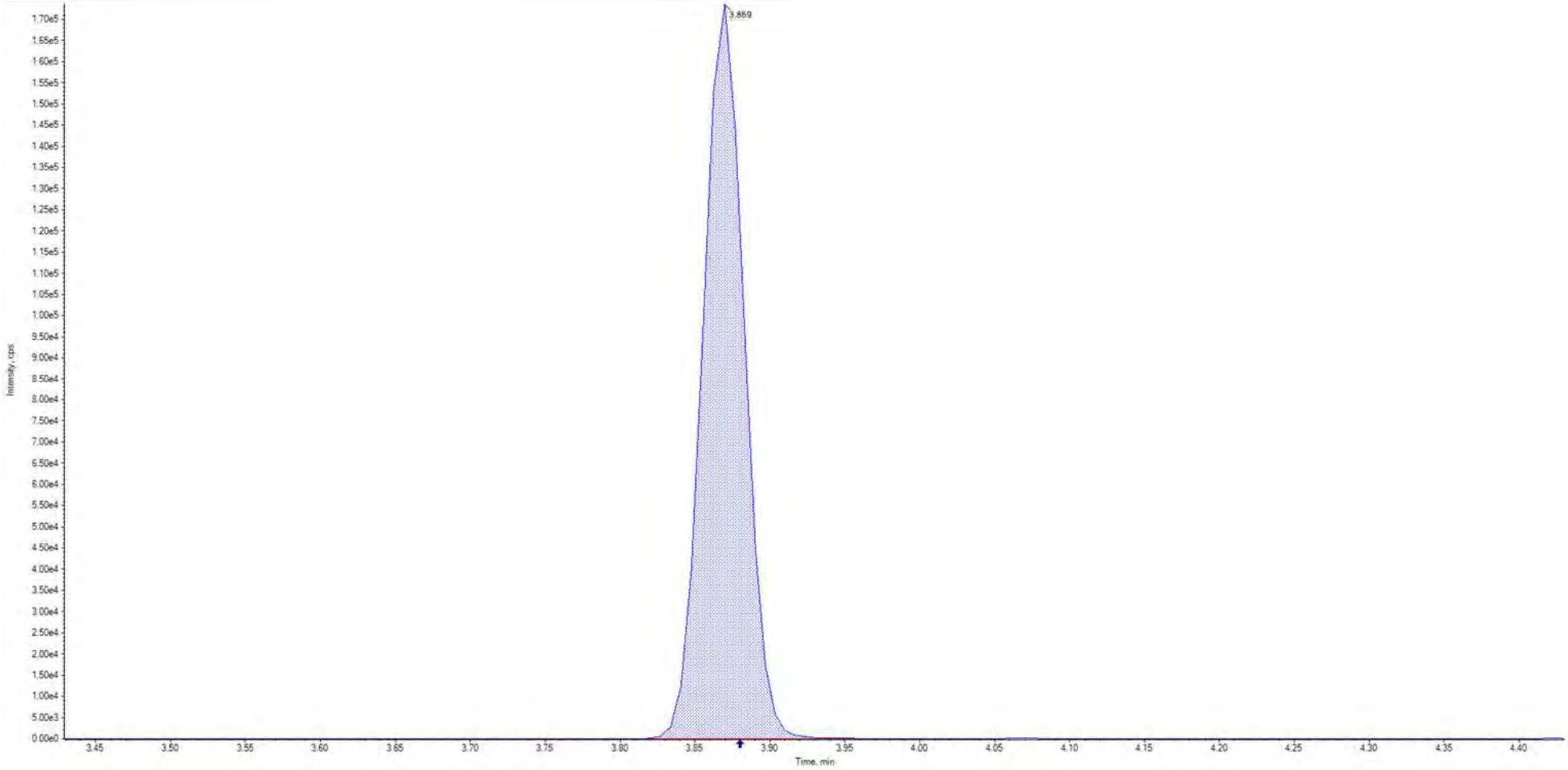
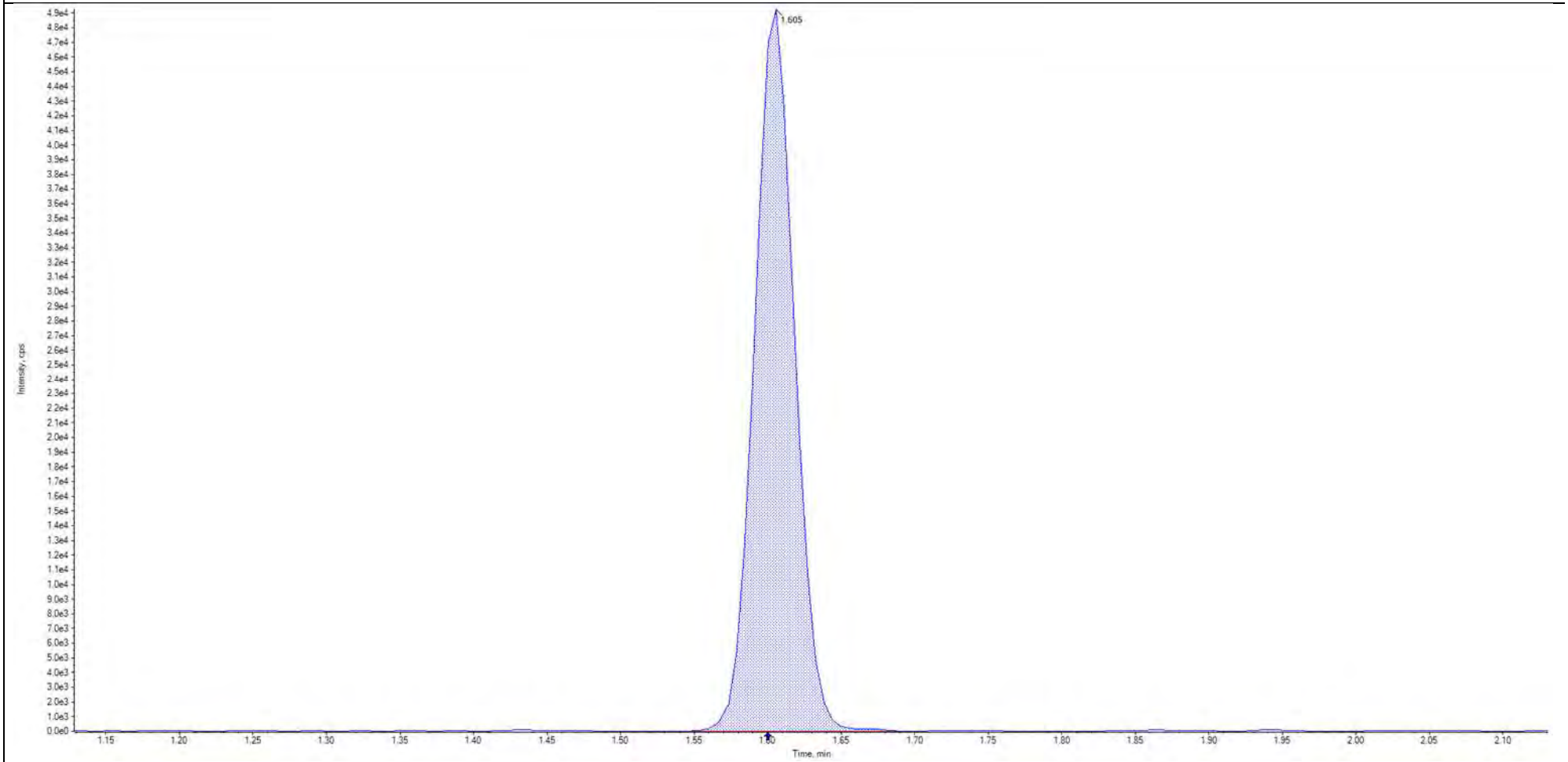
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

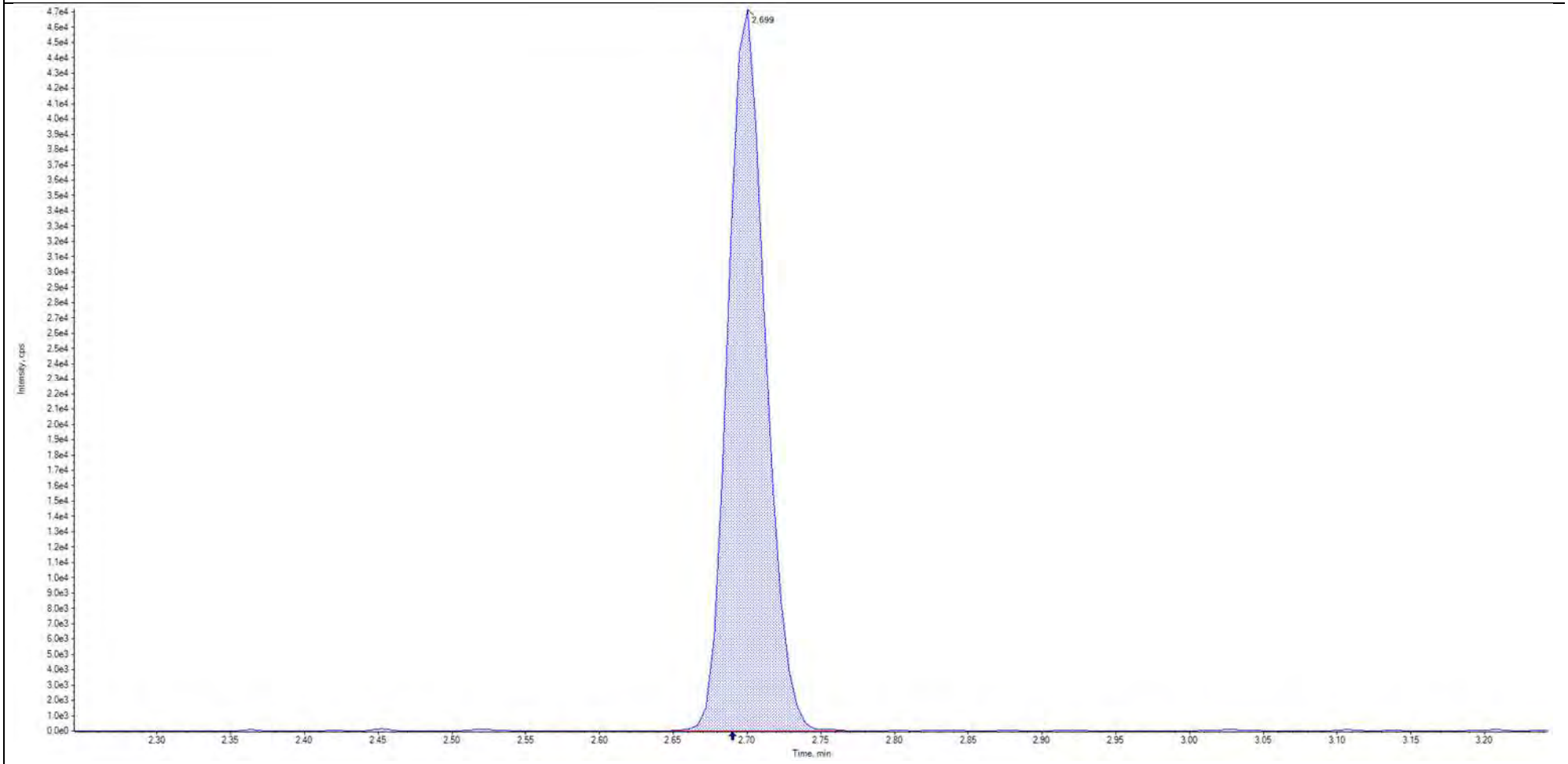
13C8-PFOS
Sample: WG2012727-1



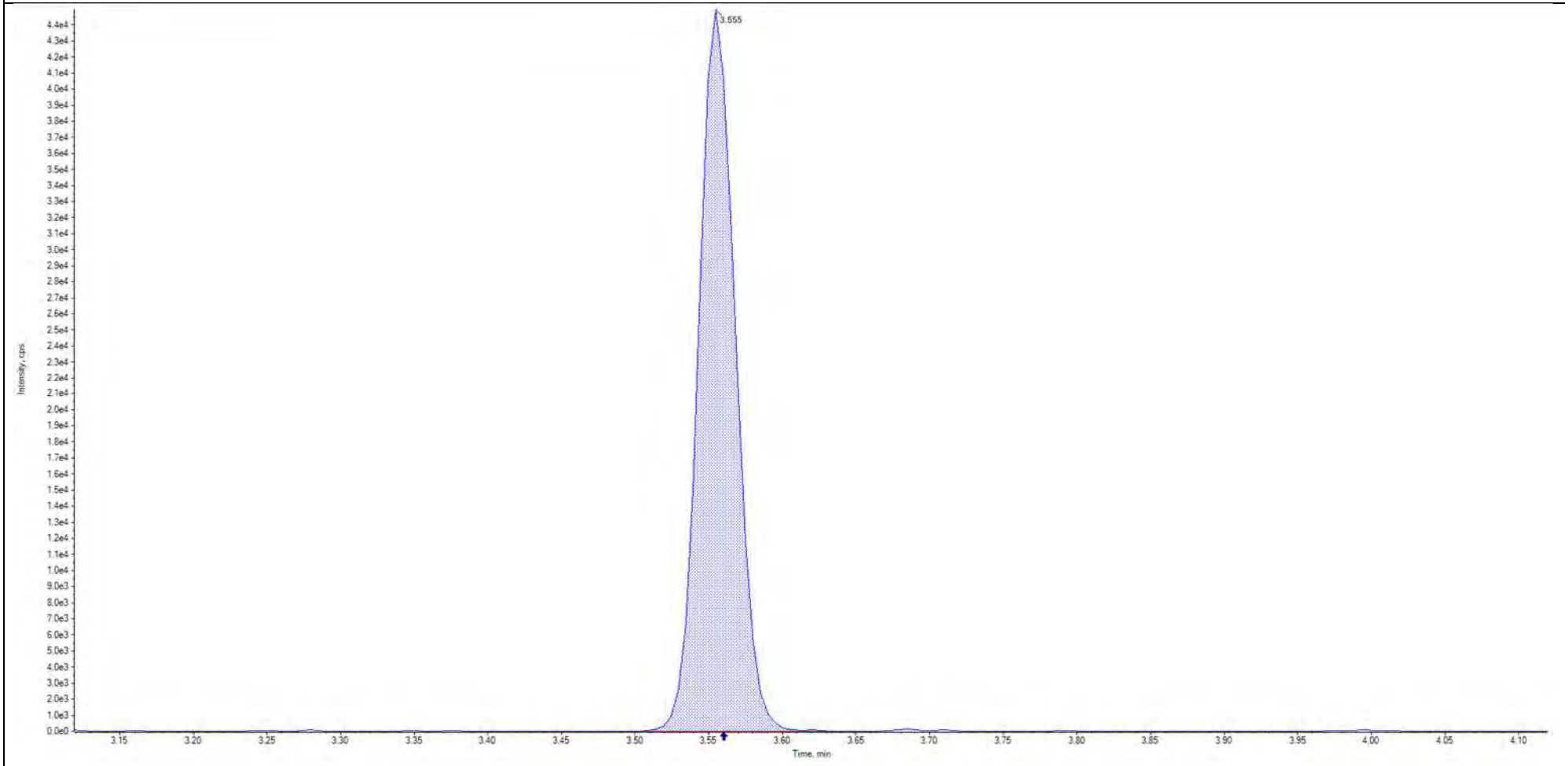
13C2-4:2FTS
Sample: WG2012727-1



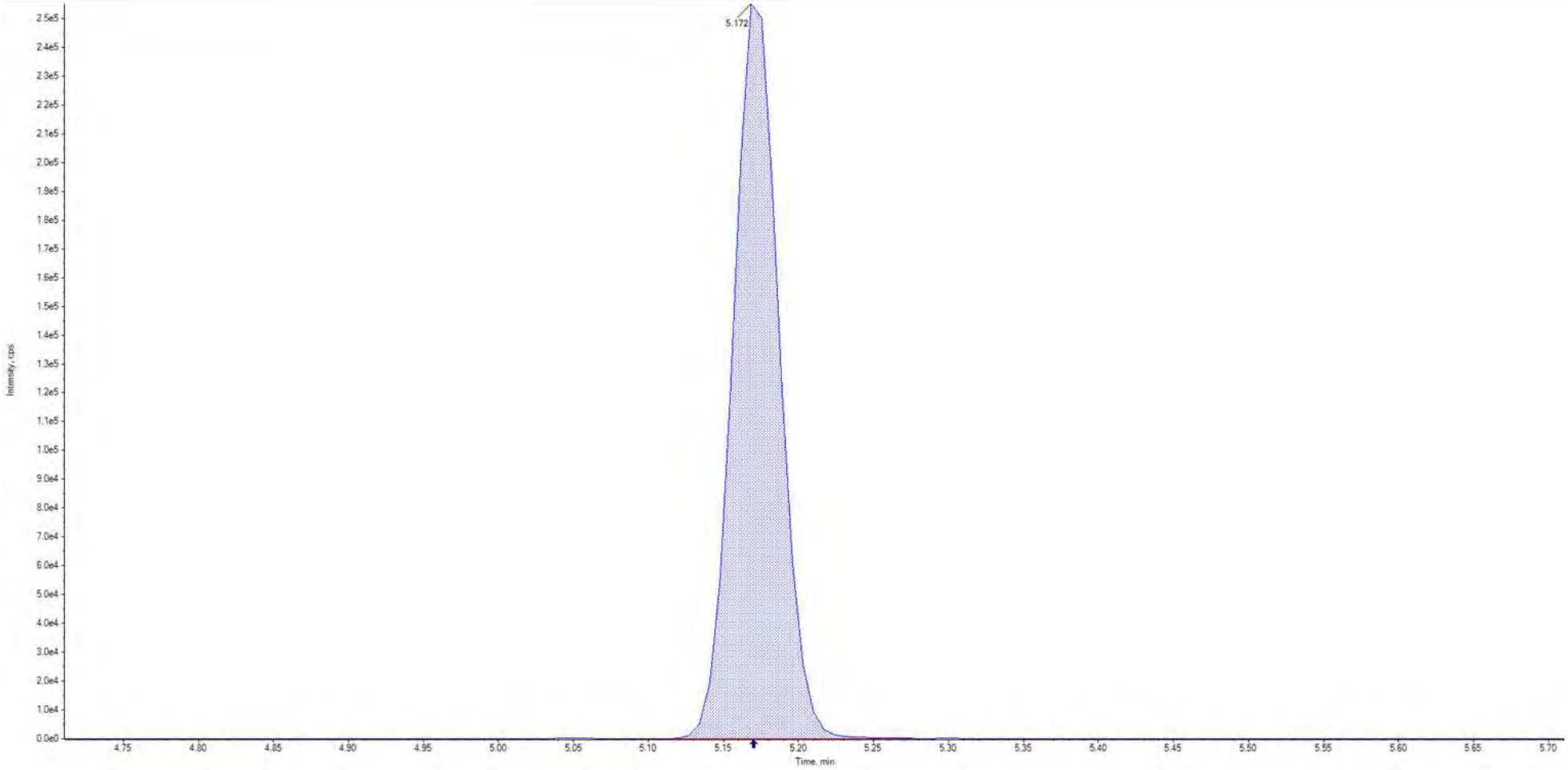
13C2-6:2FTS
Sample: WG2012727-1



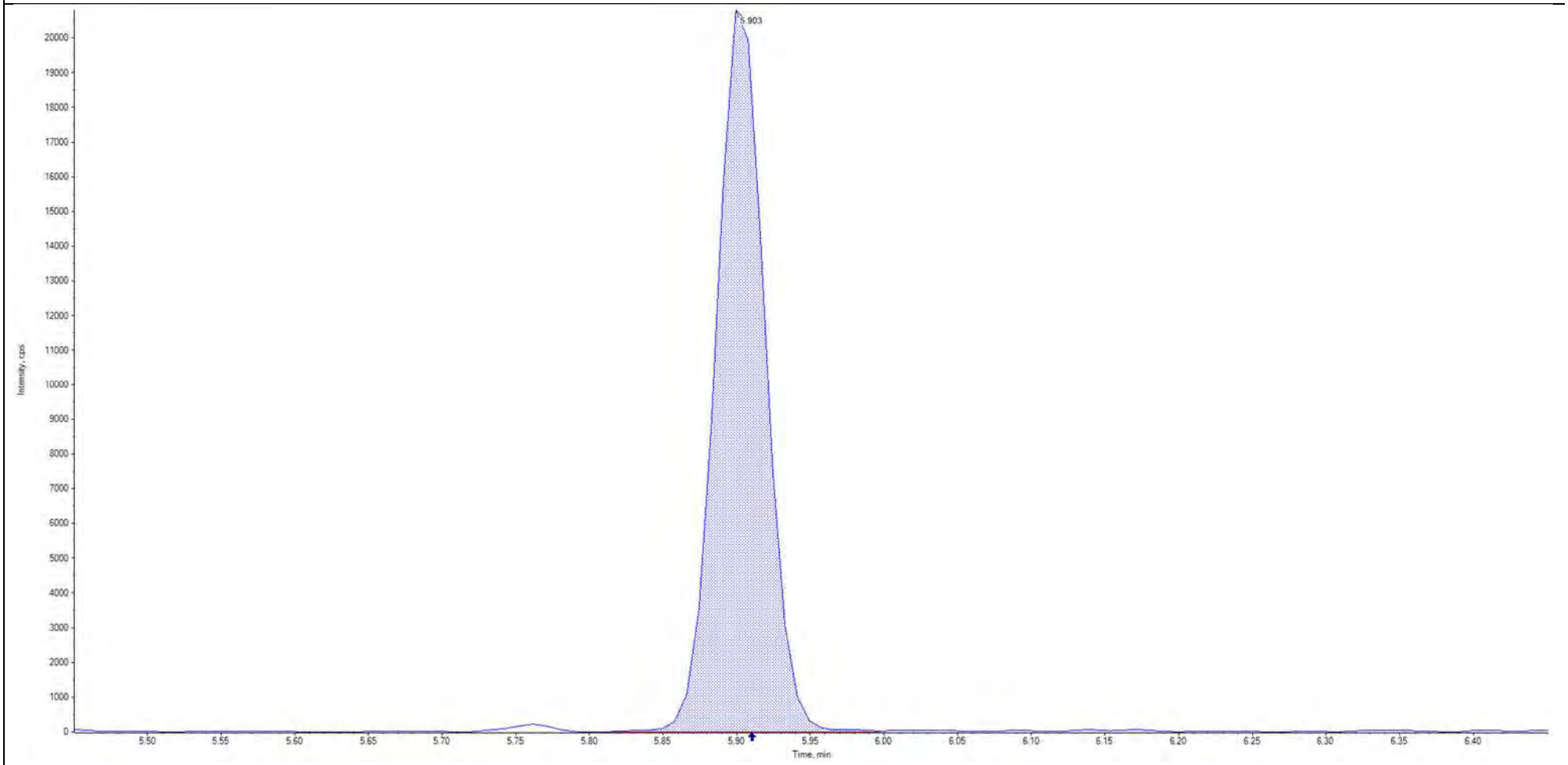
13C2-8:2FTS
Sample: WG2012727-1



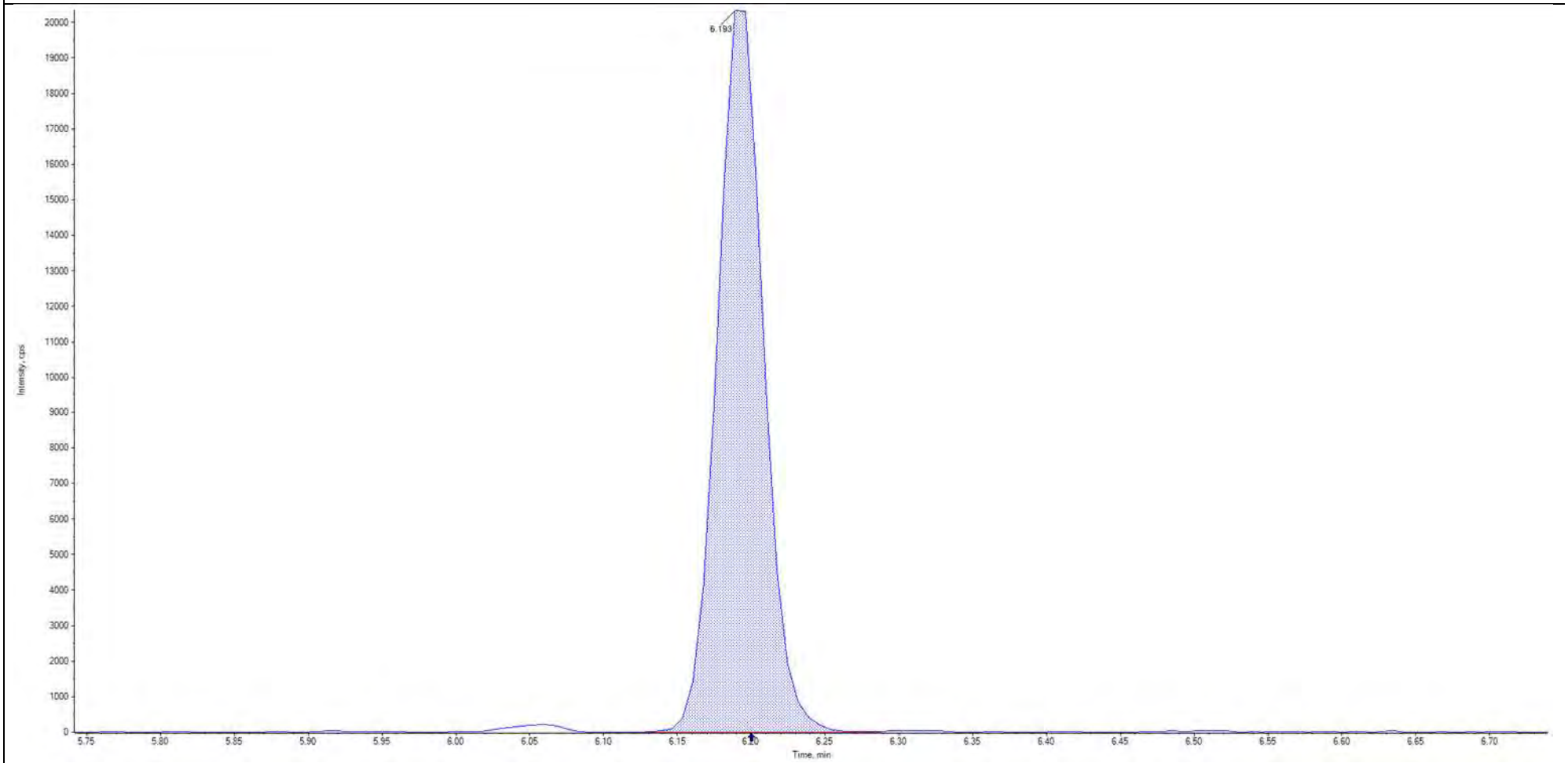
13C8-PFOSA
Sample: WG2012727-1



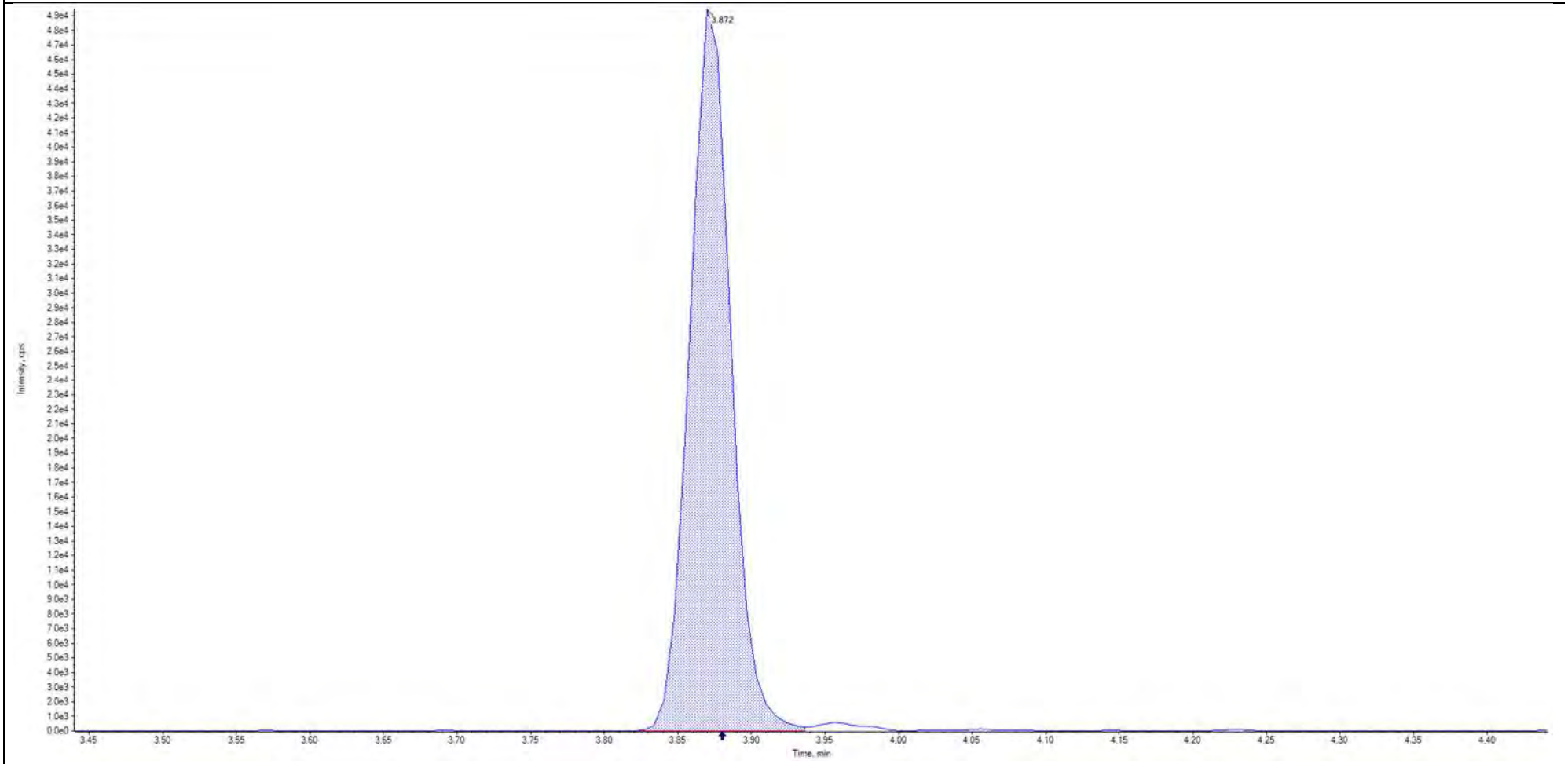
d3-NMeFOSA
Sample: WG2012727-1



d5-NEtFOSA
Sample: WG2012727-1



d3-NMeFOSAA
Sample: WG2012727-1



d5-NEtFOSAA
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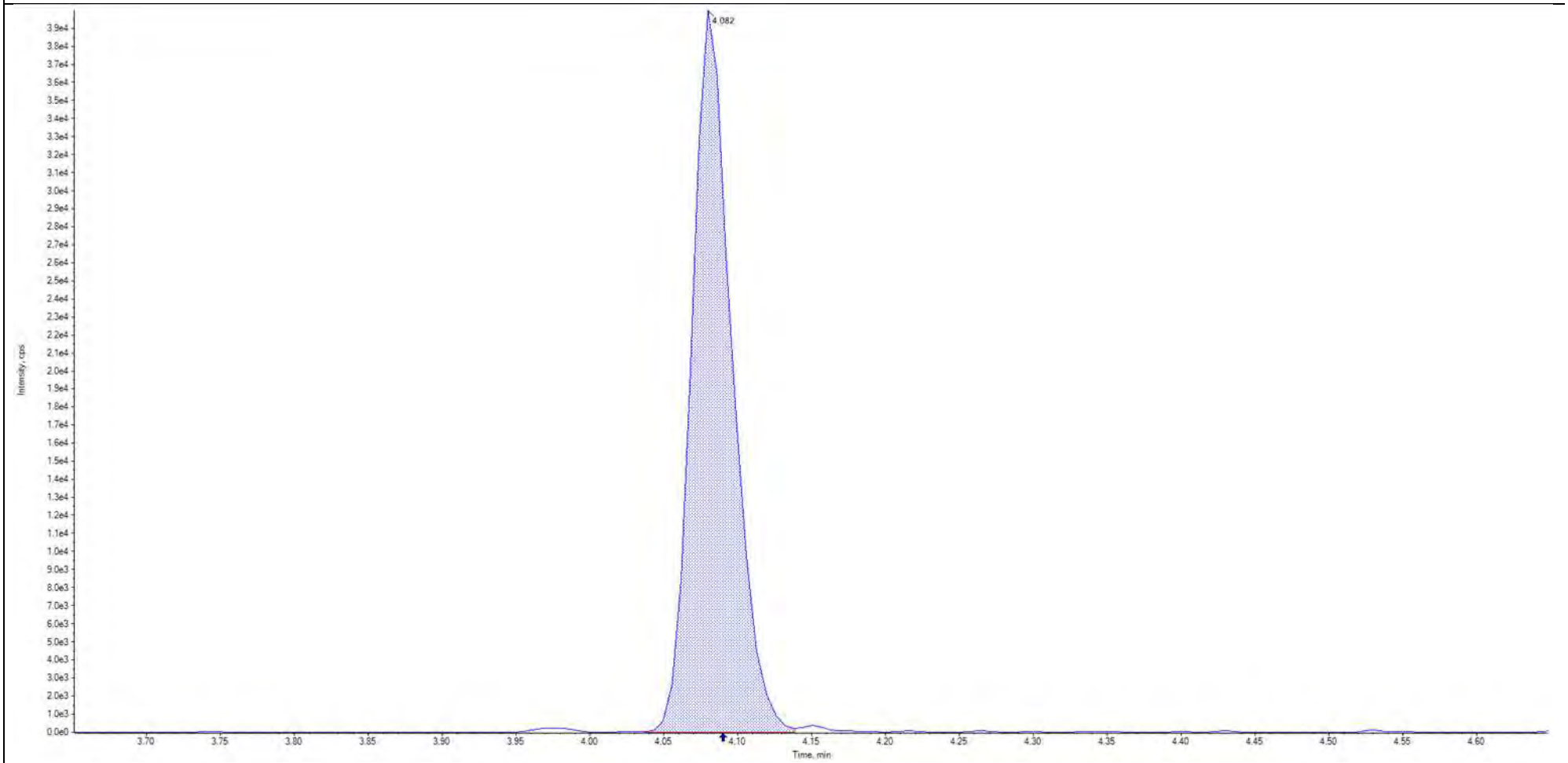
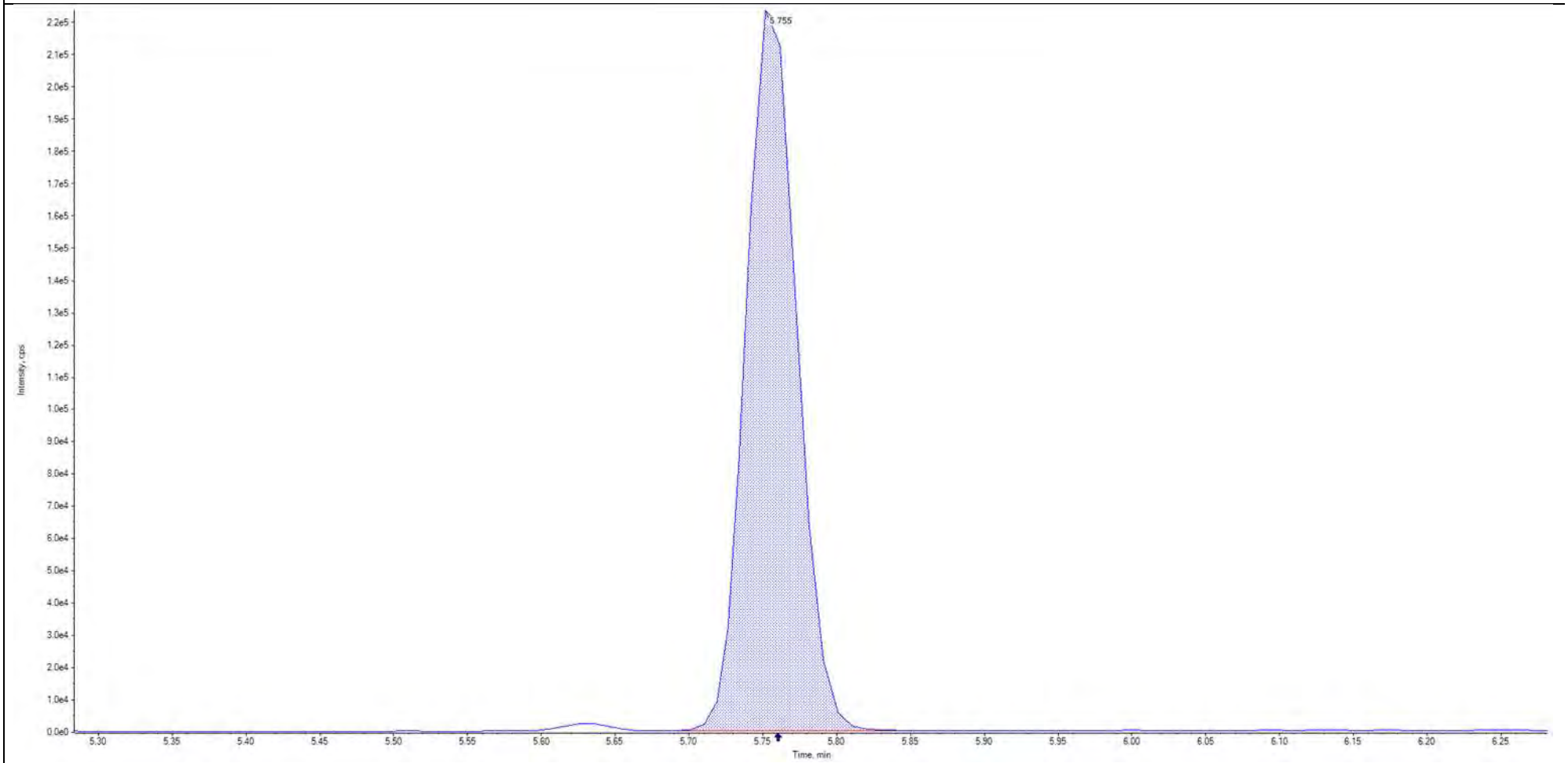


d7-NMeFOSE
Sample: WG2012727-1



d9-NEtFOSE
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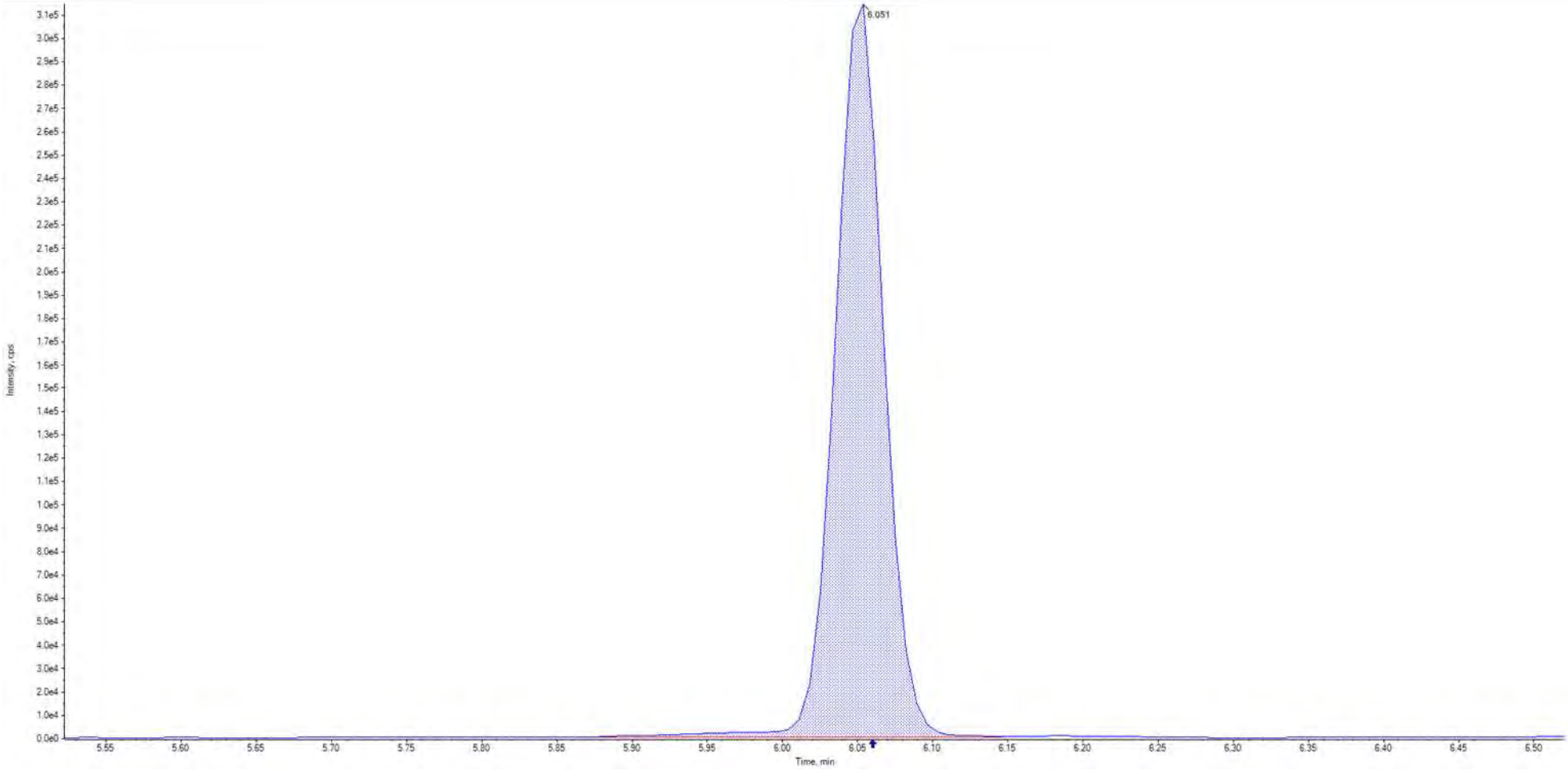
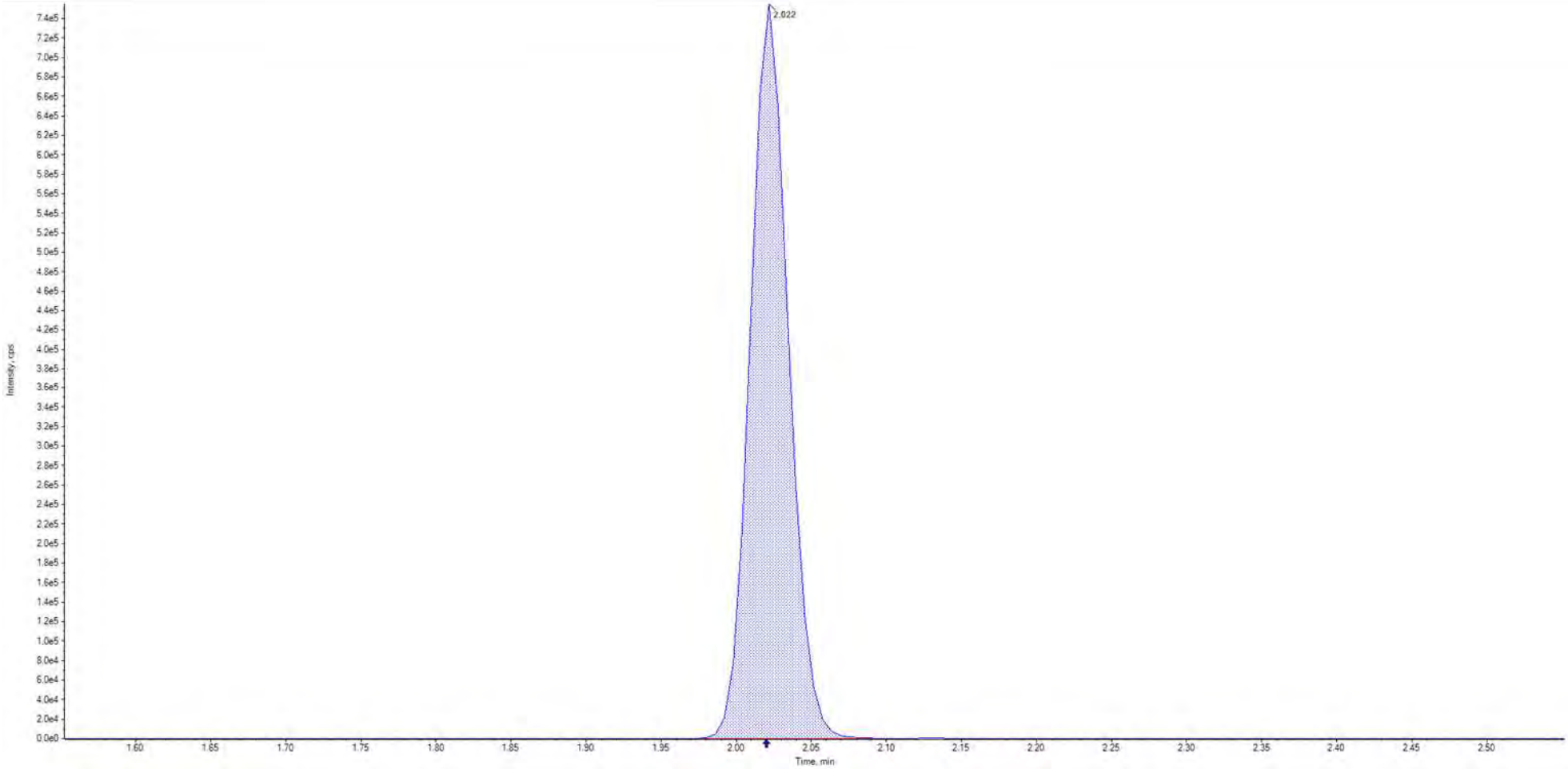


13C3-HFPO-DA
Sample: WG2012727-1



13C3-PFBA
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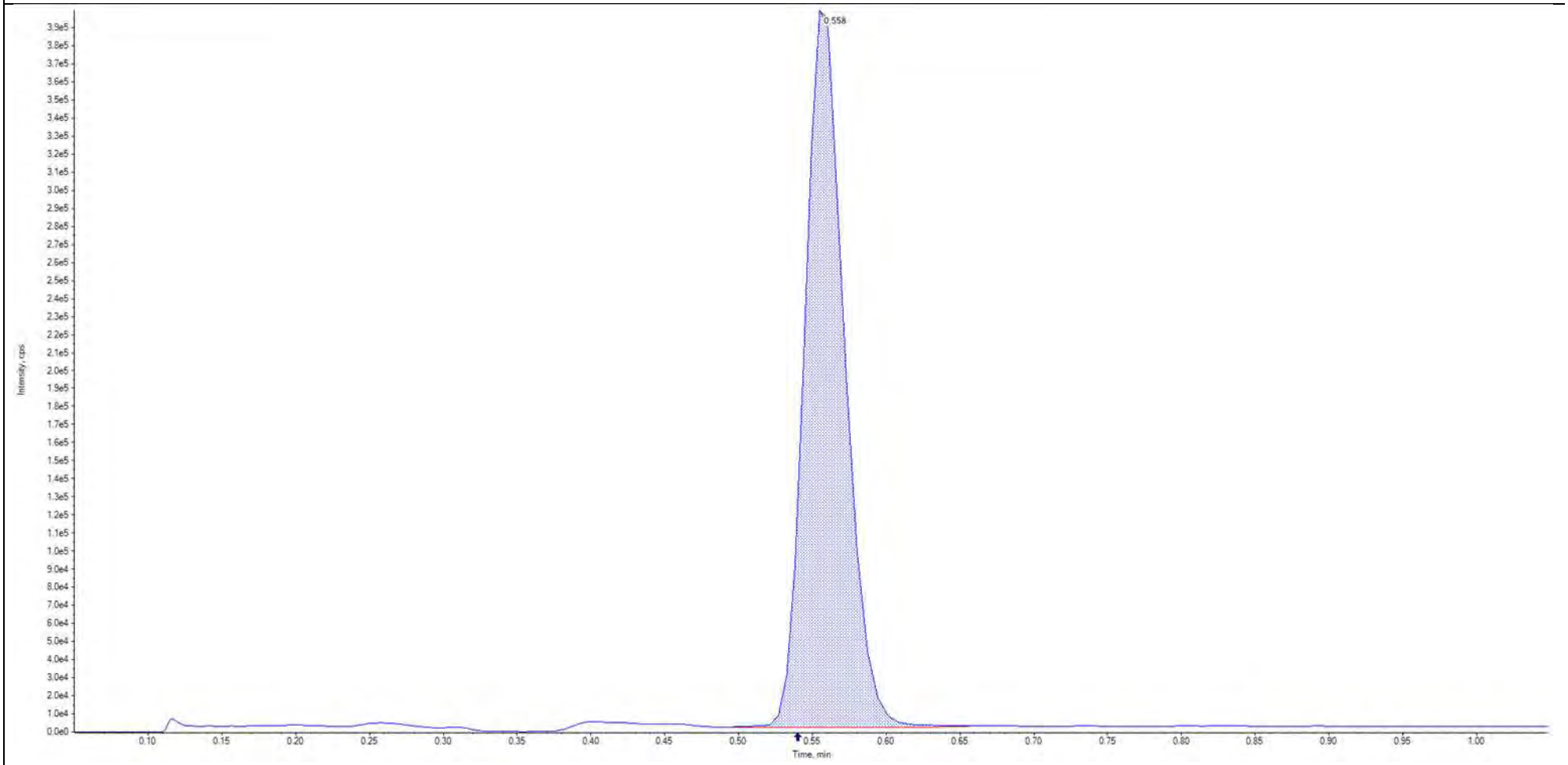
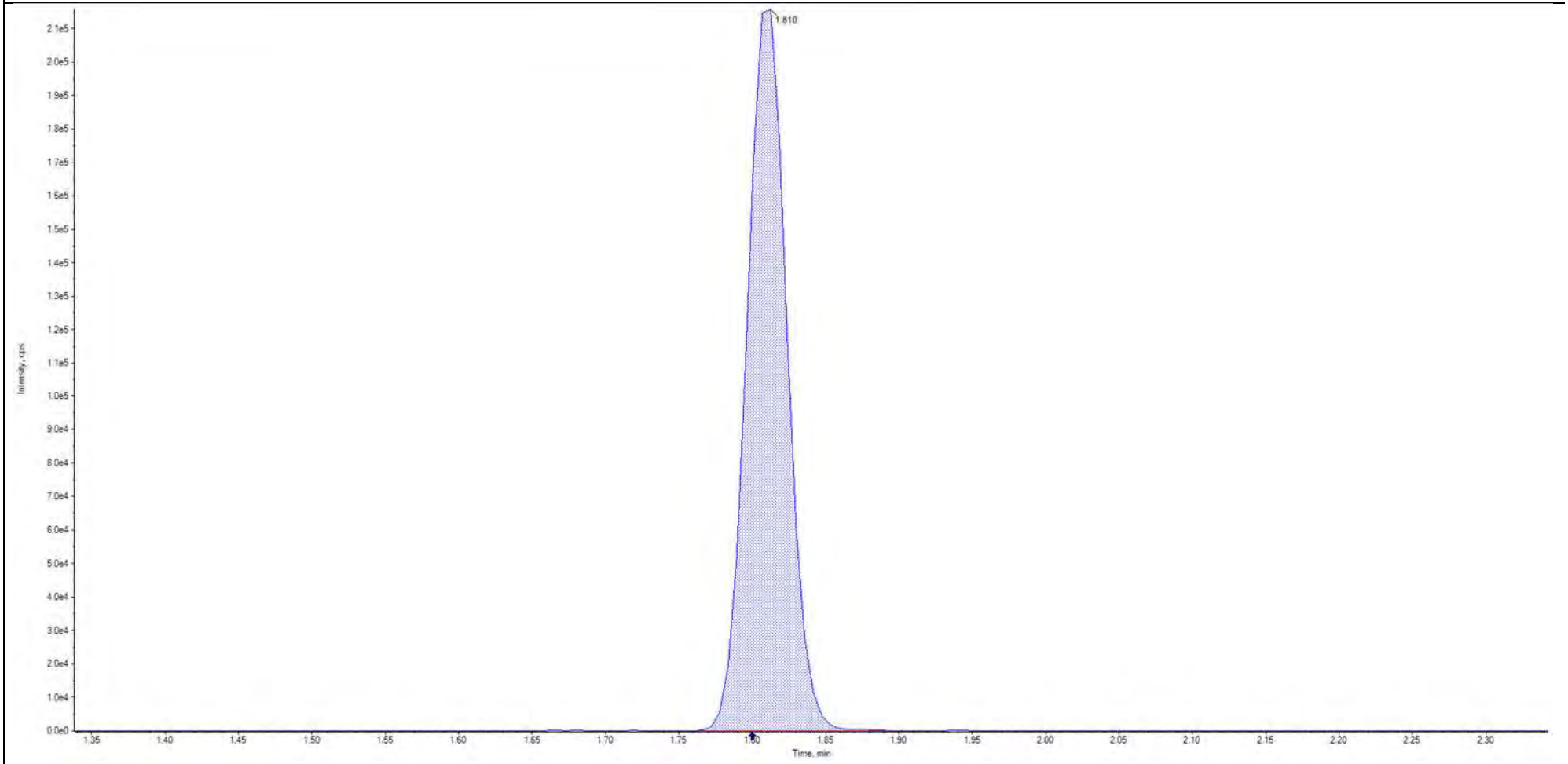
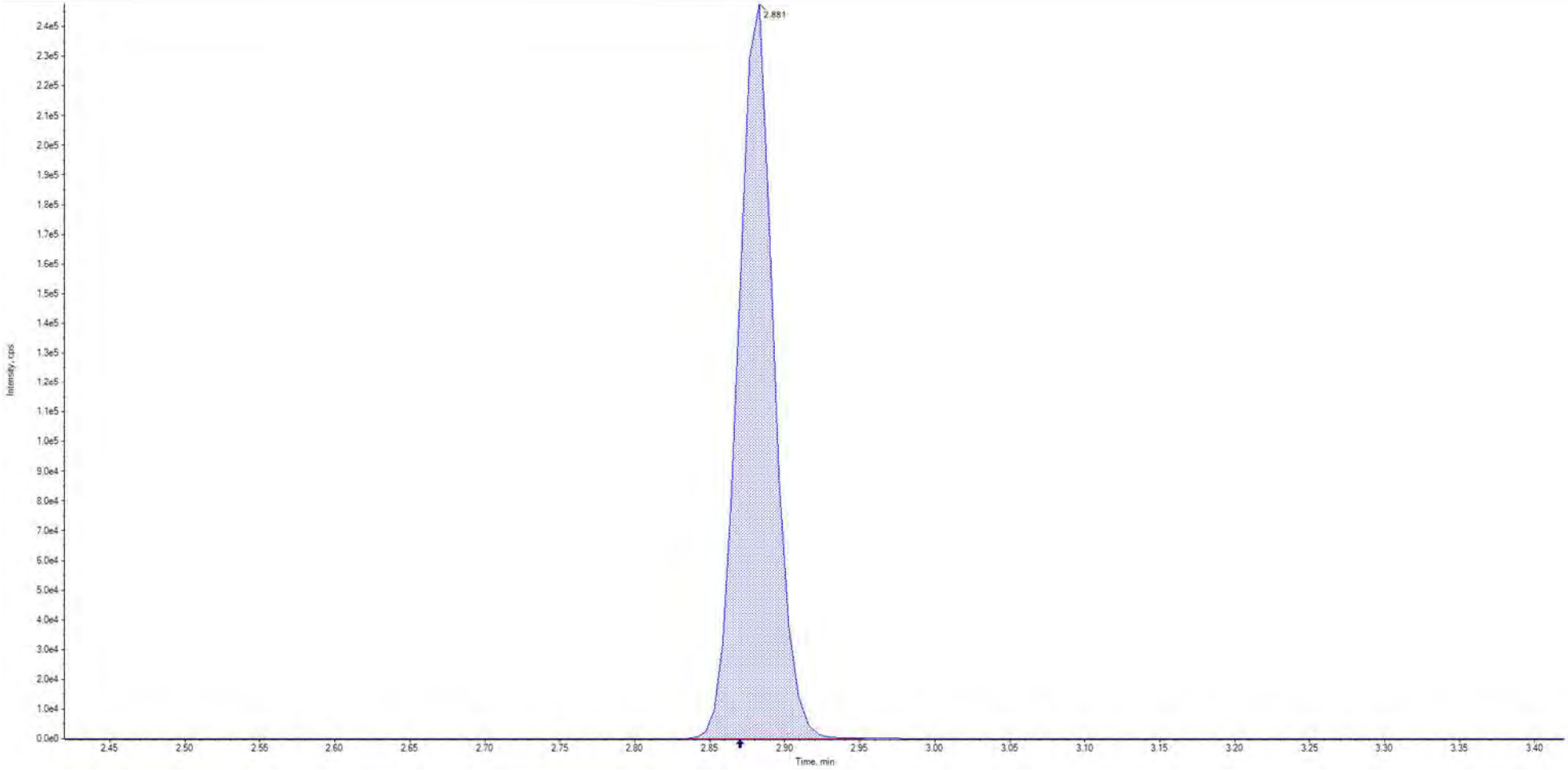


13C2-PFHxA
Sample: WG2012727-1



13C4-PFOA
Sample: WG2012727-1



13C5-PFNA
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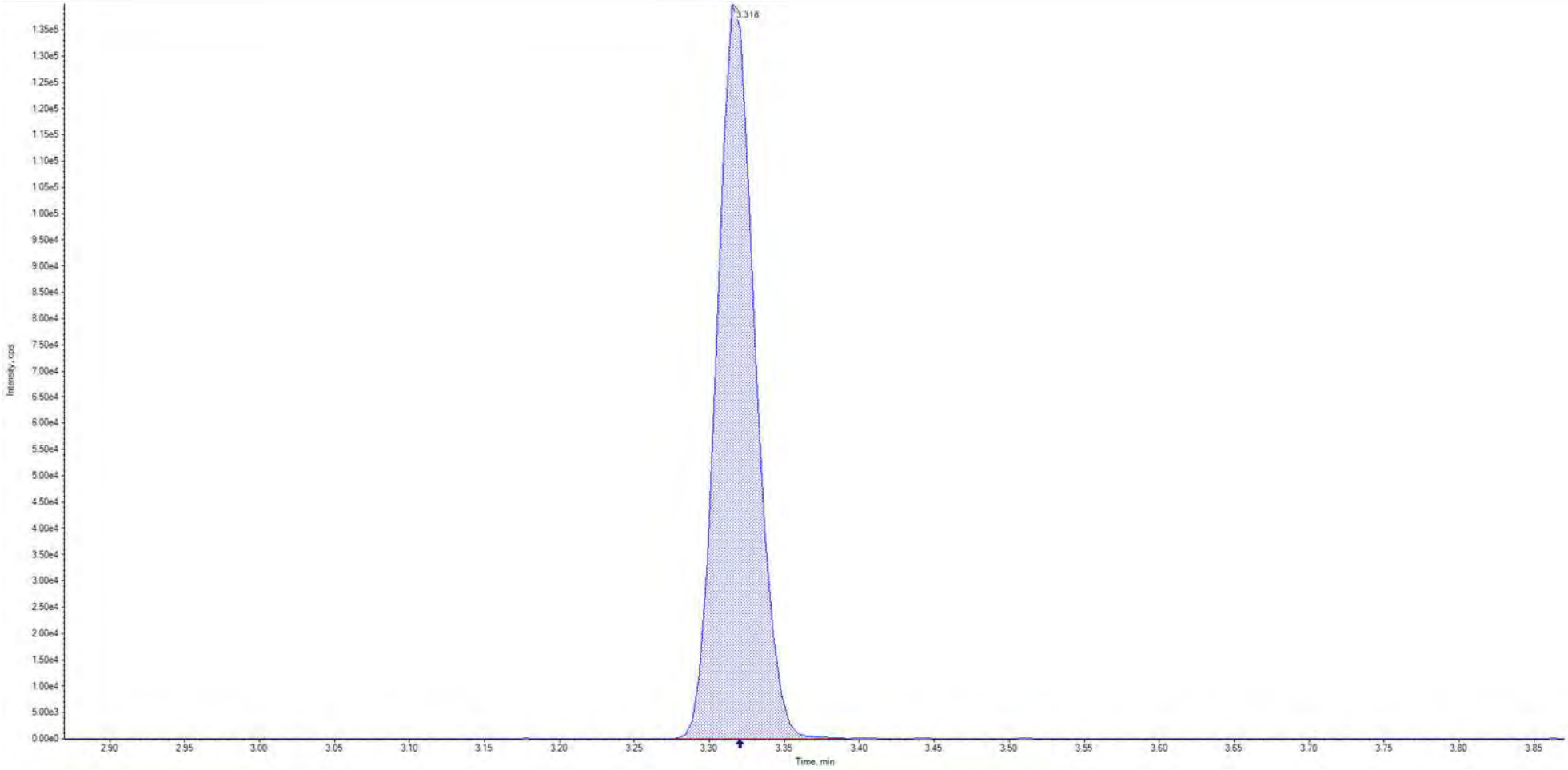

13C2-PFDA
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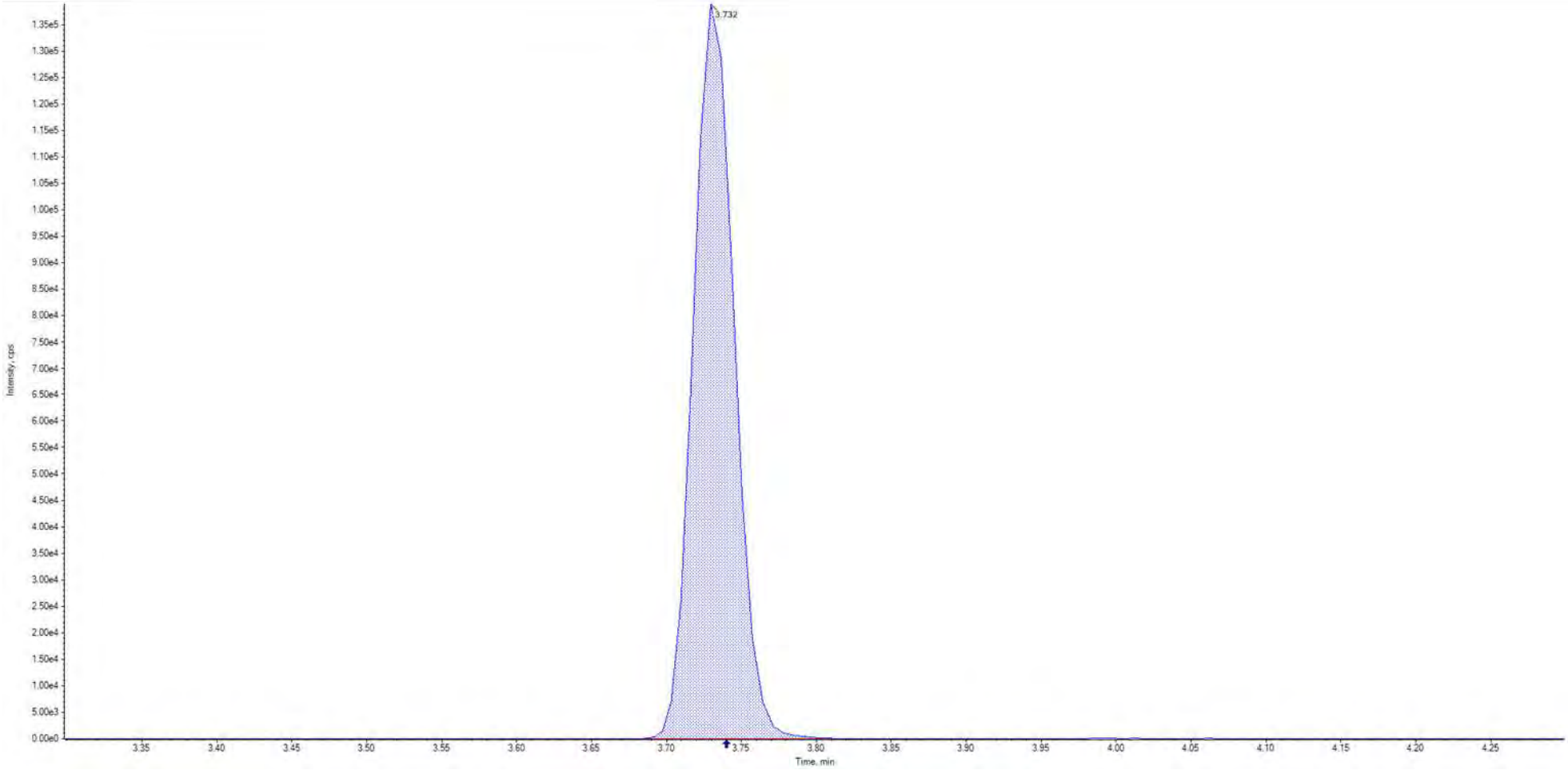
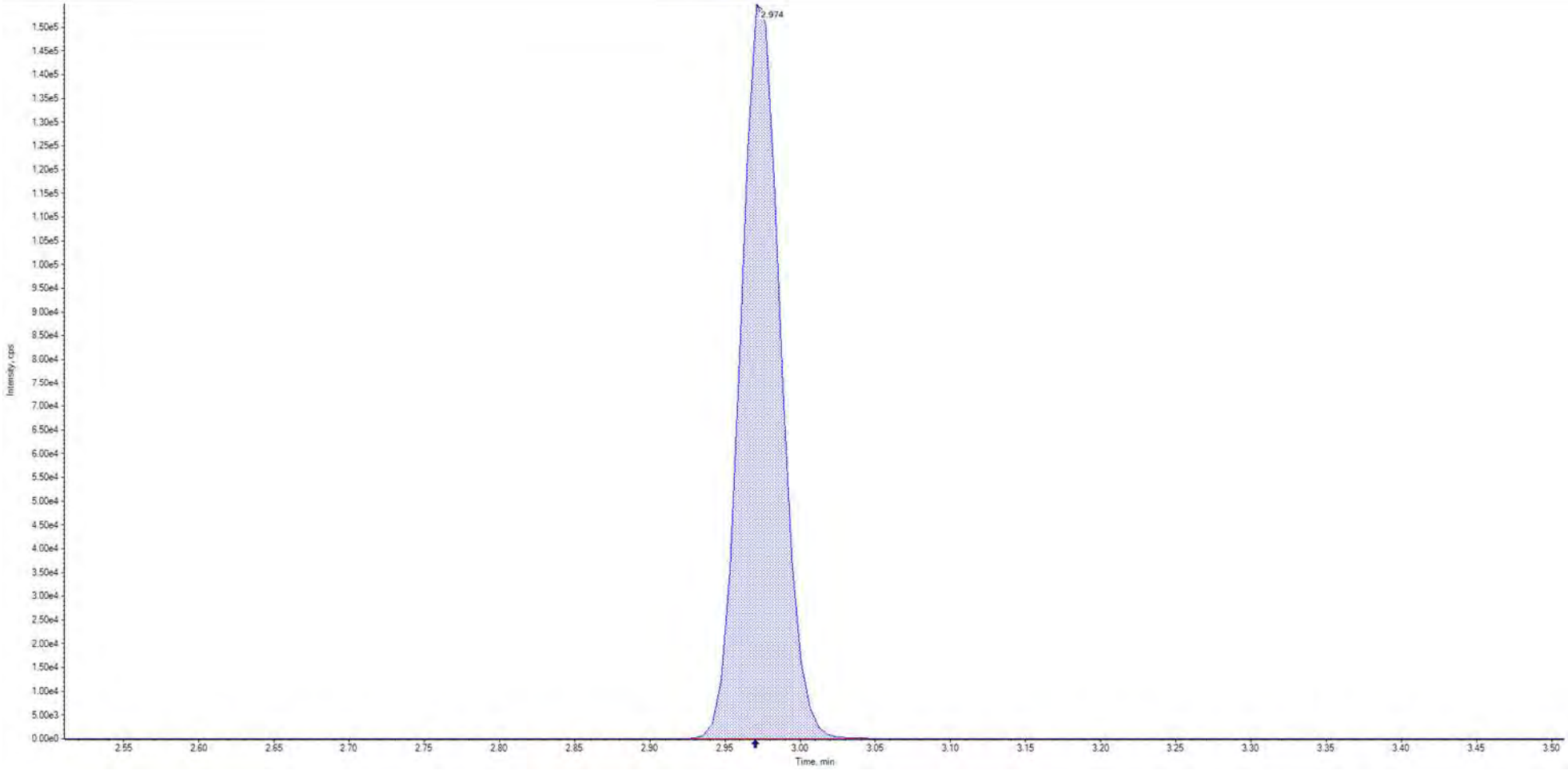
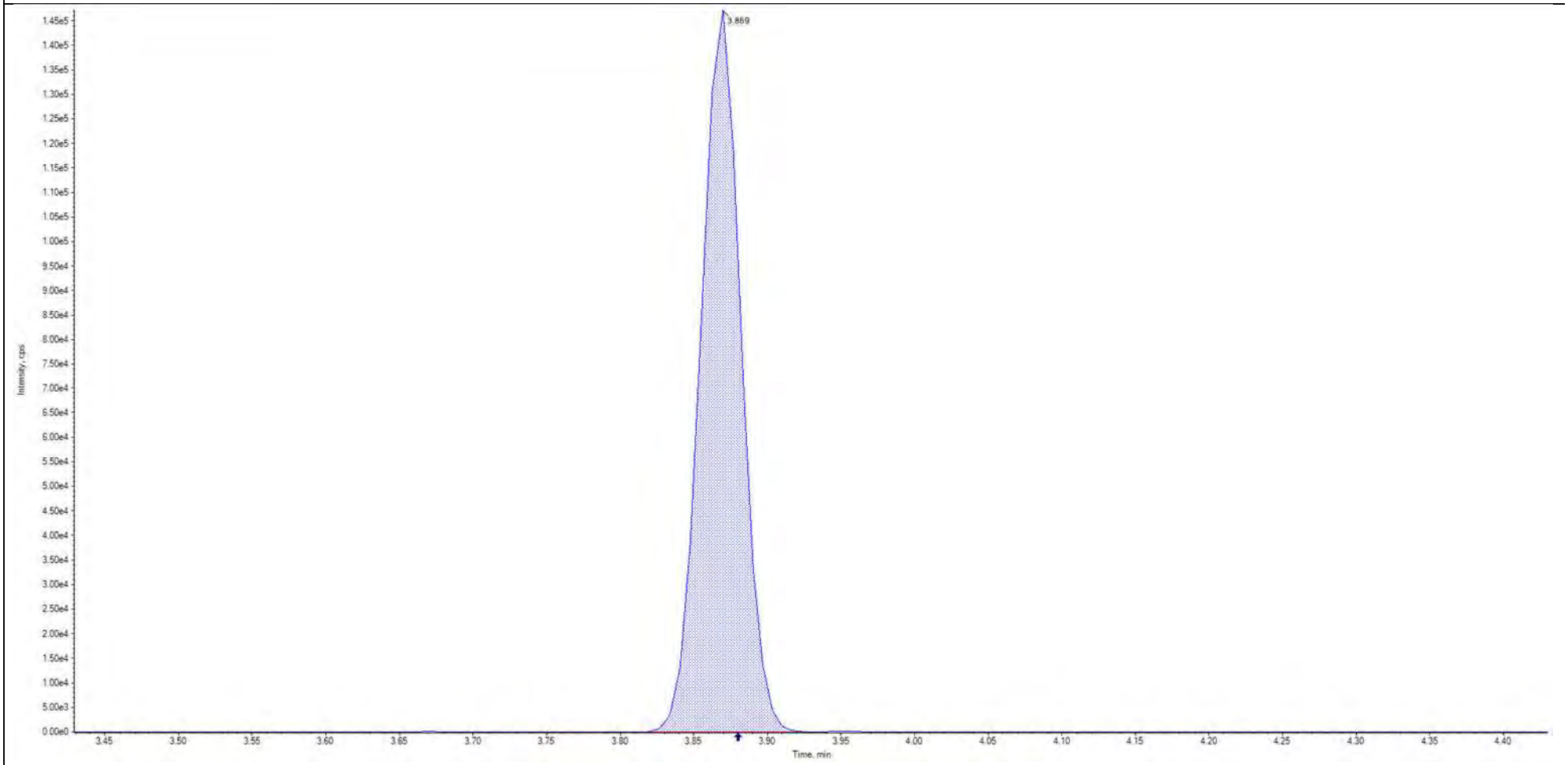


18O2-PFHxS
Sample: WG2012727-1



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_19.wiff2_4
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

13C4-PFOS
Sample: WG2012727-1



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_19.wiff2_4
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_21.wiff2_6
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

Method: EPA1633F.qmethod
Calibration: 241112_1633_ICAL

ID: WG2012727-3
Name: SCI09_241223_21.wiff2
Date & Time: 2024-12-23T22:39:09
Description: WG2012688,WG2012727,ICAL21696
Instrument: SCIEX Triple Quad 5500+
User: LCMS09:JW

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.56	213.0 / 169.0	1221407		9.915	N/A	N/A	N/A	99.2
2	PFPeA	2706-90-3	1.07	263.0 / 219.0	543657		5.128	0.008	N/A	N/A	102.6
3	PFPeA_2	2706-90-3	1.07	263.0 / 68.9	4165		4.507	0.008	N/A	N/A	90.2
4	PFHxA	307-24-4	1.82	313.0 / 269.0	369837		2.942	0.089	0.089	Pass	117.7
5	PFHxA_2	307-24-4	1.82	313.0 / 119.0	32852		2.877	0.089	0.089	Pass	115.1
6	PFHpA	375-85-9	2.39	363.1 / 319.0	384392		2.823	0.391	0.384	Pass	112.9
7	PFHpA_2	375-85-9	2.39	363.1 / 169.0	150404		2.840	0.391	0.384	Pass	113.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	2.88	413.1 / 369.1	403212	M5	2.356	0.411	0.410	Pass	94.3
9	PFOA_2	335-67-1	2.88	413.1 / 169.0	165607	M5	2.366	0.411	0.410	Pass	94.6
10	PFNA	375-95-1	3.32	462.8 / 418.9	379849	M5	2.555	0.345	0.341	Pass	102.2
11	PFNA_2	375-95-1	3.32	462.8 / 219.0	131009	M5	2.556	0.345	0.341	Pass	102.2
12	PFDA	335-76-2	3.73	513.1 / 469.1	389892		2.417	0.218	0.215	Pass	96.7
13	PFDA_2	335-76-2	3.73	513.1 / 219.0	85151		2.805	0.218	0.215	Pass	112.2
14	PFUnA	2058-94-8	4.13	563.1 / 519.1	344495		2.289	0.158	0.151	Pass	91.6
15	PFUnA_2	2058-94-8	4.13	563.1 / 269.0	54418		2.429	0.158	0.151	Pass	97.2
16	PFDoA	307-55-1	4.51	613.1 / 569.1	416471		2.522	0.139	0.140	Pass	100.9
17	PFDoA_2	307-55-1	4.51	613.1 / 319.0	57721		2.488	0.139	0.140	Pass	99.5
18	PFTrDA	72629-94-8	4.88	663.1 / 619.1	375153		2.496	0.156	0.159	Pass	99.8
19	PFTrDA_2	72629-94-8	4.88	663.1 / 169.0	58443		2.513	0.156	0.159	Pass	100.5
20	PFTeDA	376-06-7	5.24	713.1 / 669.1	319879		2.273	0.161	0.159	Pass	90.9
21	PFTeDA_2	376-06-7	5.24	713.1 / 169.0	51466		2.288	0.161	0.159	Pass	91.5
22	PFBS	375-73-5	1.81	299.1 / 80.1	296721		2.201	0.395	0.398	Pass	99.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	1.81	299.1 / 99.1	117119		2.493	0.395	0.398	Pass	106.1
24	PFPeS	2706-91-4	2.44	349.1 / 80.1	315758		2.302	0.313	0.285	Pass	98.0
25	PFPeS_2	2706-91-4	2.44	349.1 / 99.1	98764		2.300	0.313	0.285	Pass	97.9
26	PFHxS	355-46-4	2.97	399.1 / 80.1	263813	M5	2.002	0.308	0.293	Pass	87.8
27	PFHxS_2	355-46-4	2.97	399.1 / 99.1	81364	M5	2.148	0.308	0.293	Pass	94.2
28	PFHpS	375-92-8	3.43	449.1 / 80.1	279721		2.439	0.278	0.308	Pass	102.5
29	PFHpS_2	375-92-8	3.43	449.1 / 99.1	77818		2.324	0.278	0.308	Pass	97.6
30	PFOS	1763-23-1	3.87	499.1 / 80.1	285088	M5	2.143	0.224	0.241	Pass	92.4
31	PFOS_2	1763-23-1	3.87	499.1 / 99.1	63947	M5	1.984	0.224	0.241	Pass	85.5
32	PFNS	68259-12-1	4.27	549.1 / 80.1	213030		2.225	0.297	0.299	Pass	92.7
33	PFNS_2	68259-12-1	4.27	549.1 / 99.1	63207		2.265	0.297	0.299	Pass	94.4
34	PFDS	335-77-3	4.66	599.1 / 80.1	196584		1.931	0.272	0.274	Pass	80.1
35	PFDS_2	335-77-3	4.66	599.1 / 99.1	53463		1.839	0.272	0.274	Pass	76.3
36	PFDoS	79780-39-5	5.38	699.2 / 80.1	167697		1.893	0.253	0.247	Pass	78.2
37	PFDoS_2	79780-39-5	5.38	699.2 / 99.1	42398		1.867	0.253	0.247	Pass	77.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	1.61	327.1 / 307.1	253356		8.948	0.658	0.634	Pass	95.5
39	4:2FTS_2	757124-72-4	1.61	327.1 / 81.1	166626		9.310	0.658	0.634	Pass	99.4
40	6:2FTS	27619-97-2	2.70	427.2 / 407.2	232490		9.539	0.689	0.609	Pass	100.3
41	6:2FTS_2	27619-97-2	2.70	427.2 / 81.1	160281		10.586	0.689	0.609	Pass	111.3
42	8:2FTS	39108-34-4	3.55	527.2 / 507.2	170633		9.848	0.695	0.681	Pass	102.6
43	8:2FTS_2	39108-34-4	3.55	527.2 / 81.1	118560		10.558	0.695	0.681	Pass	110.0
44	PFOSA	754-91-6	5.17	498.1 / 78.1	361242	M5	2.247	0.025	0.024	Pass	89.9
45	PFOSA_2	754-91-6	5.17	498.1 / 478.0	9061	M5	2.284	0.025	0.024	Pass	91.3
46	NMeFOSA	31506-32-8	5.90	512.2 / 219.0	43664	M5	1.696	1.507	1.421	Pass	67.9
47	NMeFOSA_2	31506-32-8	5.86	512.2 / 169.0	65817		1.777	1.507	1.421	Pass	71.1
48	NEtFOSA	4151-50-2	6.20	526.2 / 219.0	45027	M5	1.712	1.325	1.258	Pass	68.5
49	NEtFOSA_2	4151-50-2	6.15	526.2 / 169.0	59655		1.755	1.325	1.258	Pass	70.2
50	NMeFOSAA	2355-31-9	3.87	570.2 / 419.1	32548		2.352	0.784	0.683	Pass	94.1
51	NMeFOSAA_2	2355-31-9	3.87	570.2 / 483.0	25509	M5	2.632	0.784	0.683	Pass	105.3
52	NEtFOSAA	2991-50-6	4.08	584.2 / 419.1	33075	M5	2.377	0.586	0.571	Pass	95.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.08	584.2 / 526.2	19371	M5	2.396	0.586	0.571	Pass	95.8
54	NMeFOSE	24448-09-7	5.77	616.1 / 58.9	1082622	M5	21.810	N/A	N/A	N/A	87.2
55	NEtFOSE	1691-99-2	6.07	630.0 / 58.9	1538811	M5	23.105	N/A	N/A	N/A	92.4
56	HFPO-DA	13252-13-6	2.03	285.0 / 169.0	1158118		9.910	0.575	0.510	Pass	99.1
57	HFPO-DA_2	13252-13-6	2.03	285.0 / 184.9	665781		10.623	0.575	0.510	Pass	106.2
58	ADONA	919005-14-4	2.57	376.9 / 251.0	1804856		10.220	0.899	0.636	Pass	108.2
59	ADONA_2	919005-14-4	2.57	376.9 / 84.8	1621871		12.077	0.899	0.636	Pass	127.8
60	9Cl-PF3ONS	756426-58-1	4.15	530.8 / 351.1	2423552		10.117	0.324	0.326	Pass	108.4
61	9Cl-PF3ONS_2	756426-58-1	4.15	532.8 / 353.0	784835		9.801	0.324	0.326	Pass	105.1
62	11Cl-PF3OUdS	763051-92-9	4.92	630.9 / 451.0	1936735		9.128	0.318	0.318	Pass	96.8
63	11Cl-PF3OUdS_2	763051-92-9	4.92	632.9 / 452.9	616669		9.076	0.318	0.318	Pass	96.3
64	3:3FTCA	356-02-5	1.57	241.1 / 177.1	138353		16.194	0.841	1.068	Pass	129.6
65	3:3FTCA_2	356-02-5	1.57	241.1 / 117.0	116402		12.711	0.841	1.068	Pass	101.7
66	5:3FTCA	914637-49-3	2.95	341.1 / 237.1	2014257		61.100	1.004	1.045	Pass	97.8
67	5:3FTCA_2	914637-49-3	2.95	341.1 / 217.0	2023064		60.019	1.004	1.045	Pass	96.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	3.97	441.1 / 316.9	1202514		40.523	1.389	1.285	Pass	64.8
69	7:3FTCA_2	812-70-4	3.97	441.1 / 337.1	1670497		43.404	1.389	1.285	Pass	69.5
70	PFEESA	113507-82-7	2.11	315.1 / 135.0	1839461		5.086	0.079	0.081	Pass	114.0
71	PFEESA_2	113507-82-7	2.11	315.1 / 82.9	144684		4.929	0.079	0.081	Pass	110.5
72	PFMPA	377-73-1	0.70	229.0 / 85.0	583806		4.566	N/A	N/A	N/A	91.3
73	PFMBA	863090-89-5	1.34	279.0 / 85.0	643046		4.770	N/A	N/A	N/A	95.4
74	NFDHA	151772-58-6	1.74	295.0 / 201.0	468806		6.170	0.733	0.681	Pass	123.4
75	NFDHA_2	151772-58-6	1.74	295.0 / 84.9	343587		6.279	0.733	0.681	Pass	125.6
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	5.357	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	5.357	N/A	N/A
78	13C2D4-4:2FTS	Surr	N/A	333.2 / 312.1	N/A		N/A	N/A	N/A	N/A	N/A
79	13C2-PFOA	Surr	N/A	415.0 / 370.0	N/A		N/A	N/A	N/A	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.55	217.0 / 172.0	1444791		9.241	NA	NA	NA	92.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.07	268.0 / 223.0	604987		4.943	NA	NA	NA	98.9
	13C5-PFHxA	EIS	1.81	318.0 / 273.0	274116		2.123	NA	NA	NA	84.9
	13C4-PFHpA	EIS	2.39	367.0 / 322.0	223614		2.075	NA	NA	NA	83.0
	13C8-PFOA	EIS	2.87	420.8 / 376.0	529308		2.529	NA	NA	NA	101.1
	13C9-PFNA	EIS	3.31	472.0 / 427.0	209584		1.215	NA	NA	NA	97.2
	13C6-PFDA	EIS	3.72	519.0 / 474.0	238080		1.151	NA	NA	NA	92.1
	13C7-PFUnA	EIS	4.12	570.0 / 525.0	231226		1.007	NA	NA	NA	80.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.50	615.1 / 570.0	235027		0.958	NA	NA	NA	76.7
	13C2-PFTeDA	EIS	5.23	715.1 / 670.1	178199		0.979	NA	NA	NA	78.3
	13C3-PFBS	EIS	1.80	302.1 / 80.1	313772		2.183	NA	NA	NA	93.7
	13C3-PFHxS	EIS	2.96	402.1 / 80.1	303659		2.384	NA	NA	NA	100.6
	13C8-PFOS	EIS	3.86	507.1 / 80.1	302090		2.251	NA	NA	NA	93.8
	13C2-4:2FTS	EIS	1.61	329.1 / 81.1	84492		4.230	NA	NA	NA	90.2
	13C2-6:2FTS	EIS	2.69	429.2 / 81.1	74204		4.186	NA	NA	NA	87.9
	13C2-8:2FTS	EIS	3.55	529.2 / 81.1	66587		3.173	NA	NA	NA	66.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	5.16	506.1 / 78.1	511489		2.245	NA	NA	NA	89.8
	d3-NMeFOSA	EIS	5.89	515.2 / 219.0	59637		1.598	NA	NA	NA	63.9
	d5-NEtFOSA	EIS	6.18	531.2 / 219.0	59102		1.746	NA	NA	NA	69.8
	d3-NMeFOSAA	EIS	3.86	573.2 / 419.1	87232		3.765	NA	NA	NA	75.3
	d5-NEtFOSAA	EIS	4.07	589.3 / 419.1	73789		3.232	NA	NA	NA	64.6
	d7-NMeFOSE	EIS	5.74	623.2 / 58.9	575654		23.818	NA	NA	NA	95.3
	d9-NEtFOSE	EIS	6.04	639.2 / 58.9	771944		23.736	NA	NA	NA	94.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.02	287.0 / 169.0	1225632		9.718	NA	NA	NA	97.2
	13C3-PFBA	NIS	0.55	216.0 / 172.0	681567		5.375	NA	NA	NA	107.5
	13C2-PFHxA	NIS	1.81	315.0 / 270.0	358308		2.406	NA	NA	NA	96.2
	13C4-PFOA	NIS	2.87	417.0 / 372.0	333751		2.315	NA	NA	NA	92.6
	13C5-PFNA	NIS	3.31	468.0 / 423.0	214725		1.051	NA	NA	NA	84.1
	13C2-PFDA	NIS	3.72	515.1 / 470.1	245439		1.164	NA	NA	NA	93.1
	18O2-PFHxS	NIS	2.96	403.1 / 84.1	265928		2.279	NA	NA	NA	96.2
	13C4-PFOS	NIS	3.86	503.1 / 80.1	267305		2.130	NA	NA	NA	88.7

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Alpha Analytical LLC
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	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec

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PFBA
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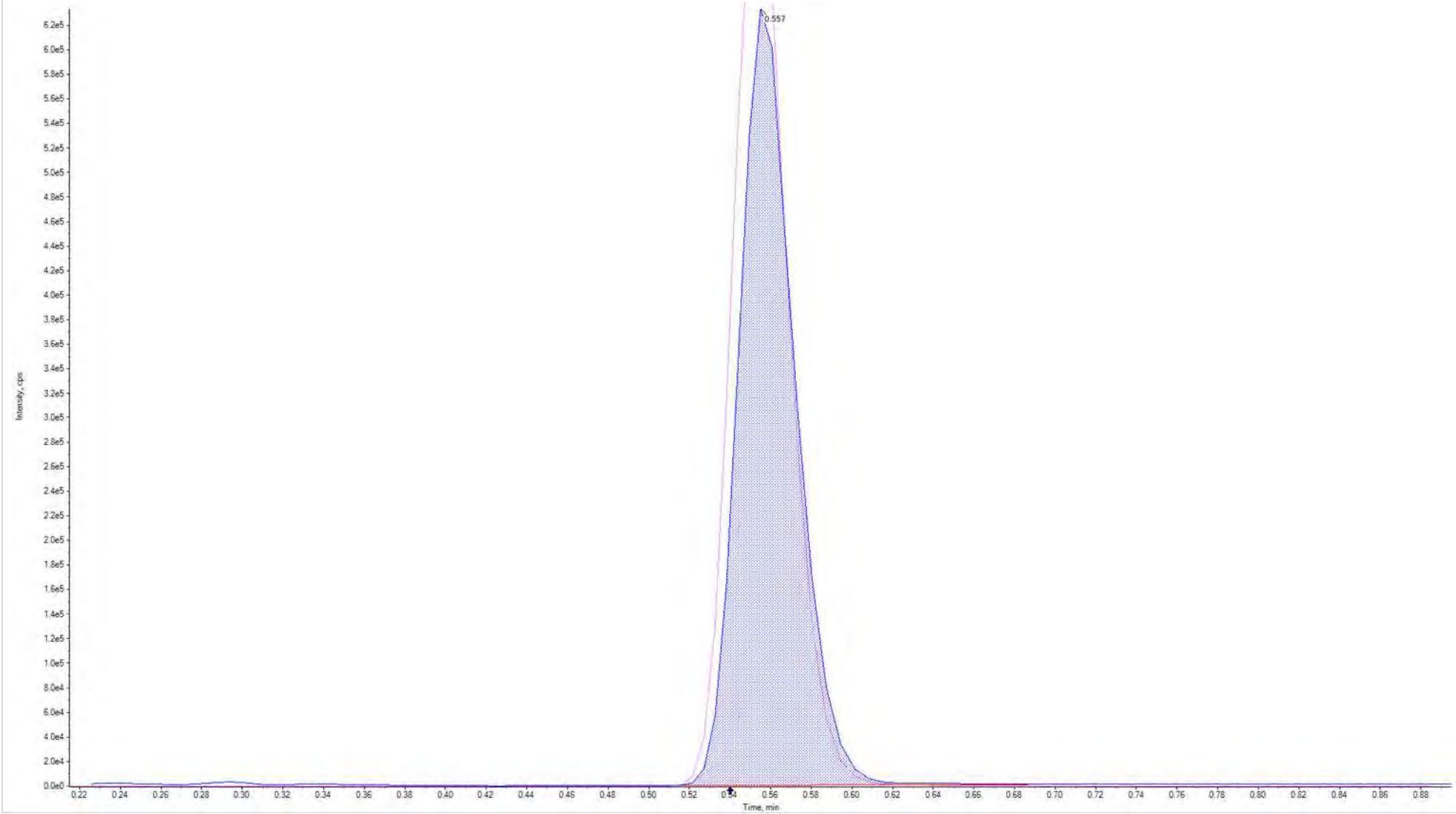

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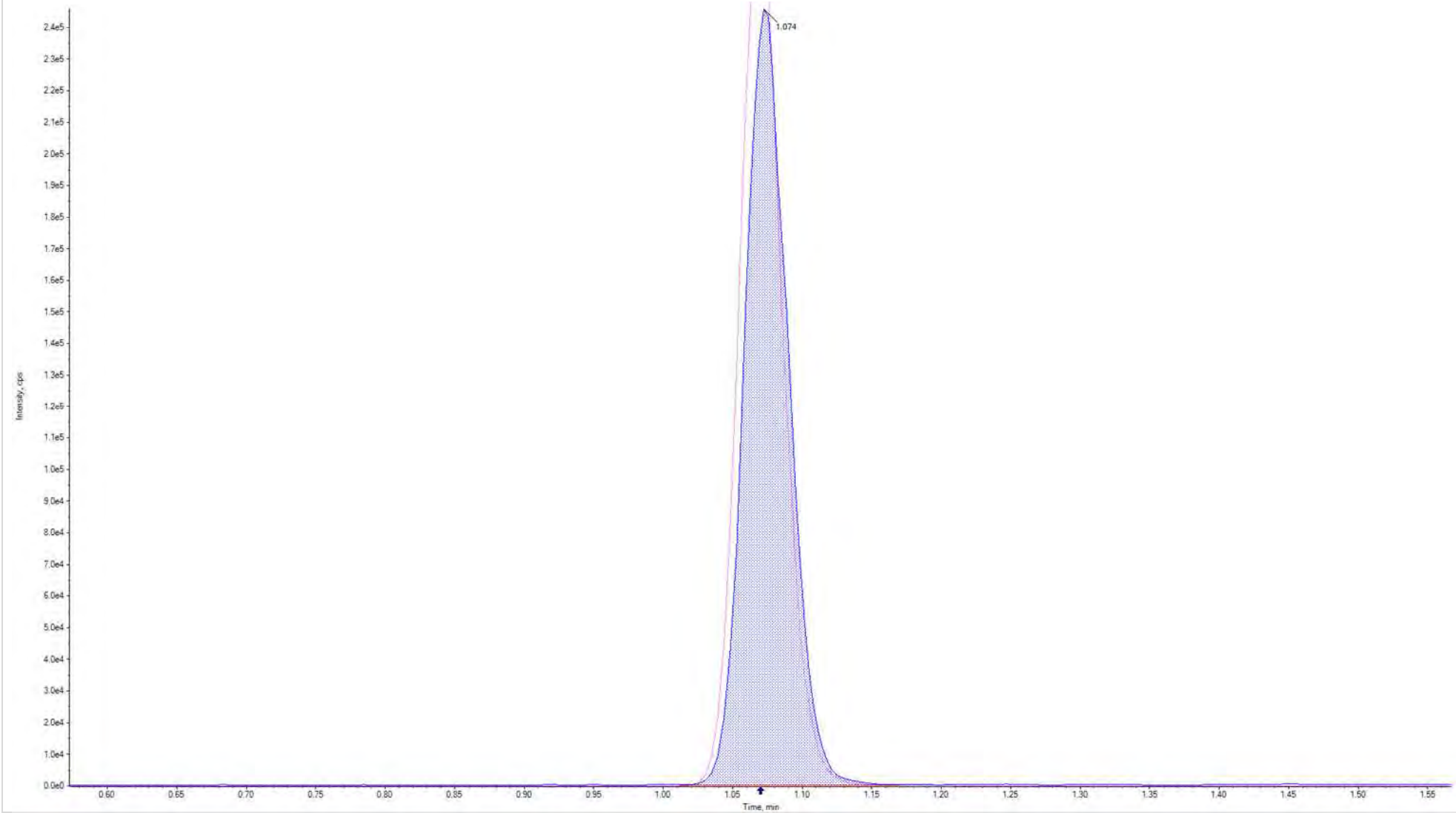
PFPeA
Sample: WG2012727-3 S/N:2705.8 Points Across peak:42



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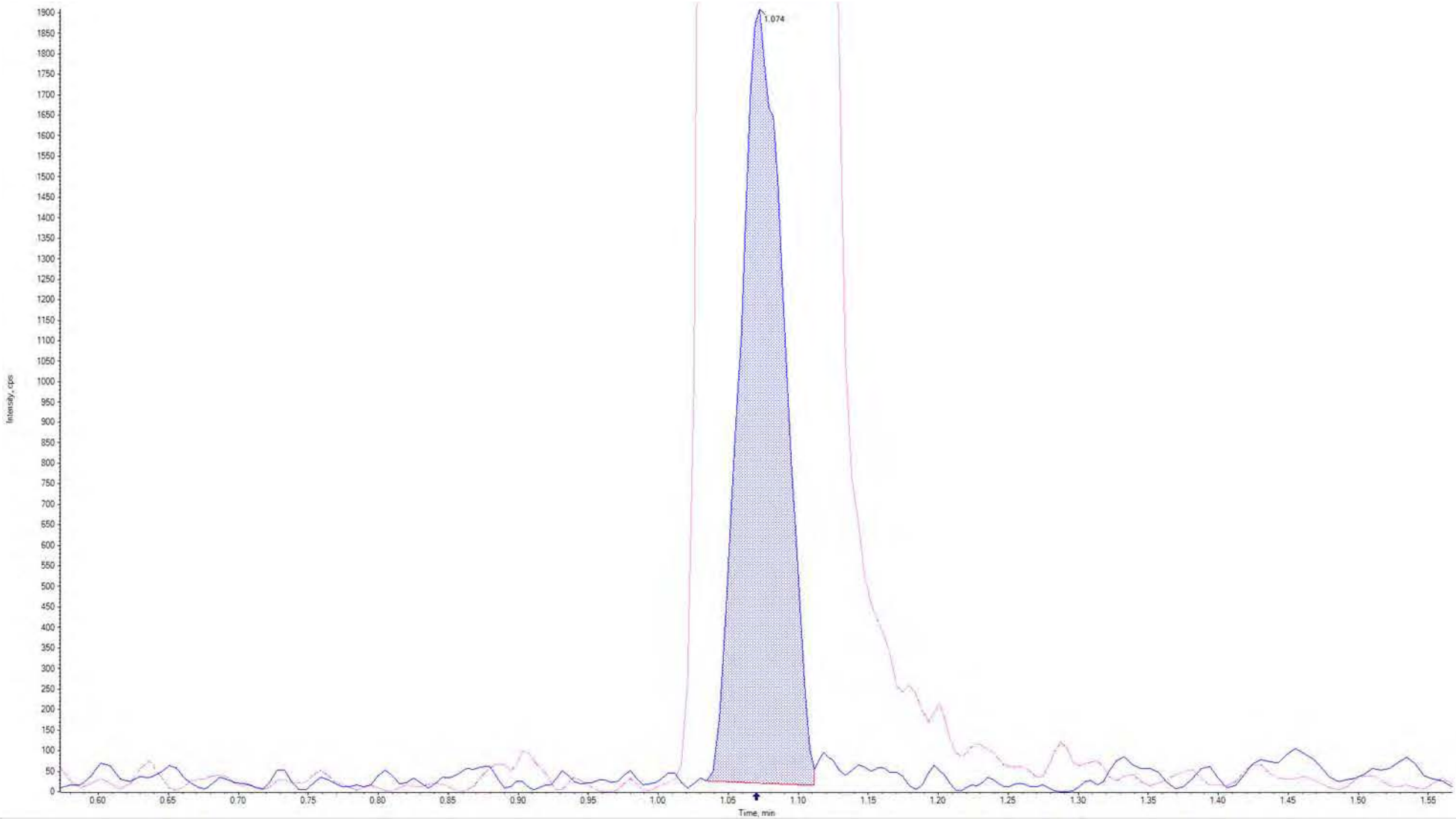
PFPeA_2
Sample: WG2012727-3 S/N:113.6 Points Across peak:23



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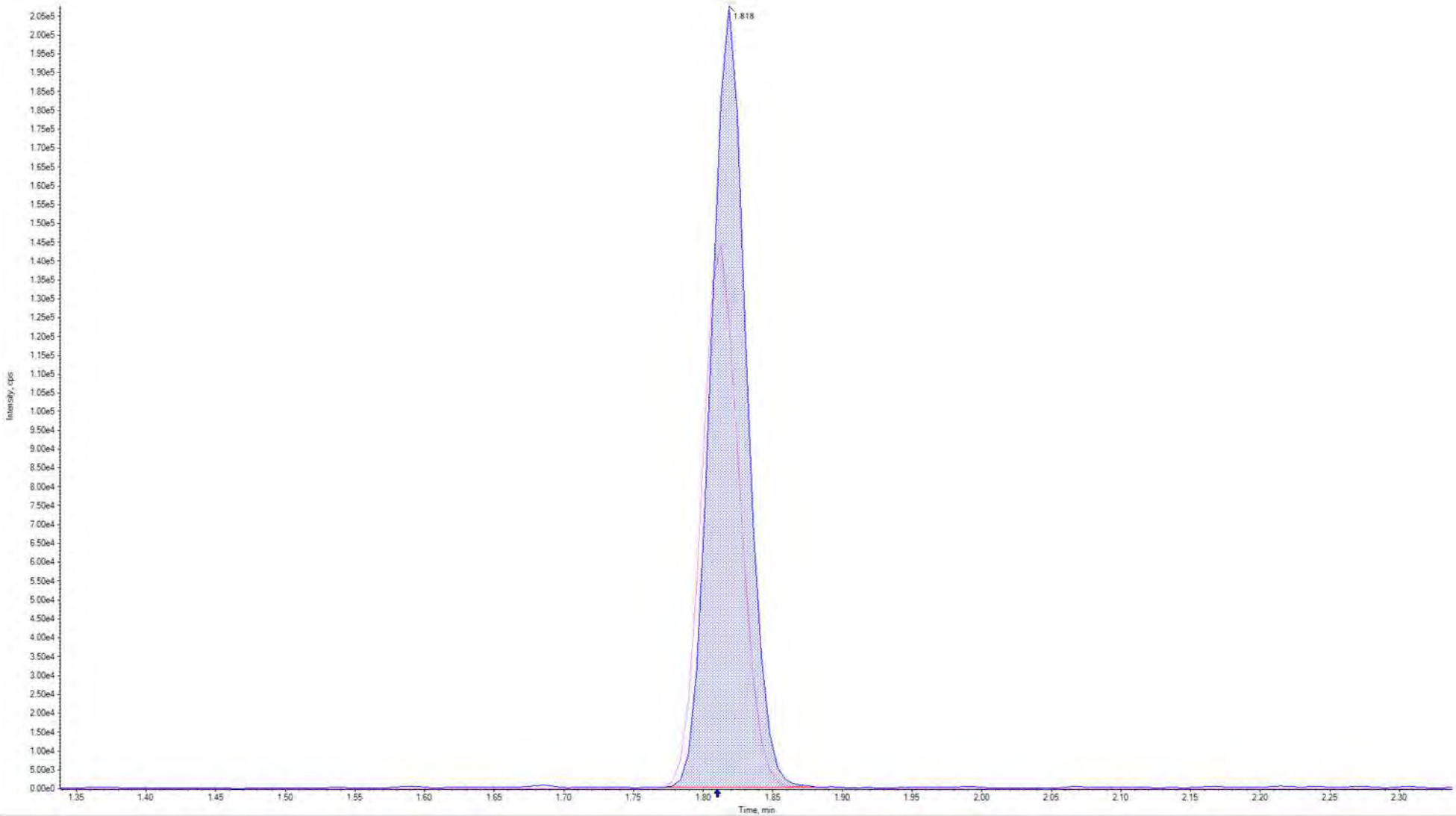
PFHxA
Sample: WG2012727-3 S/N:2159.3 Points Across peak:25



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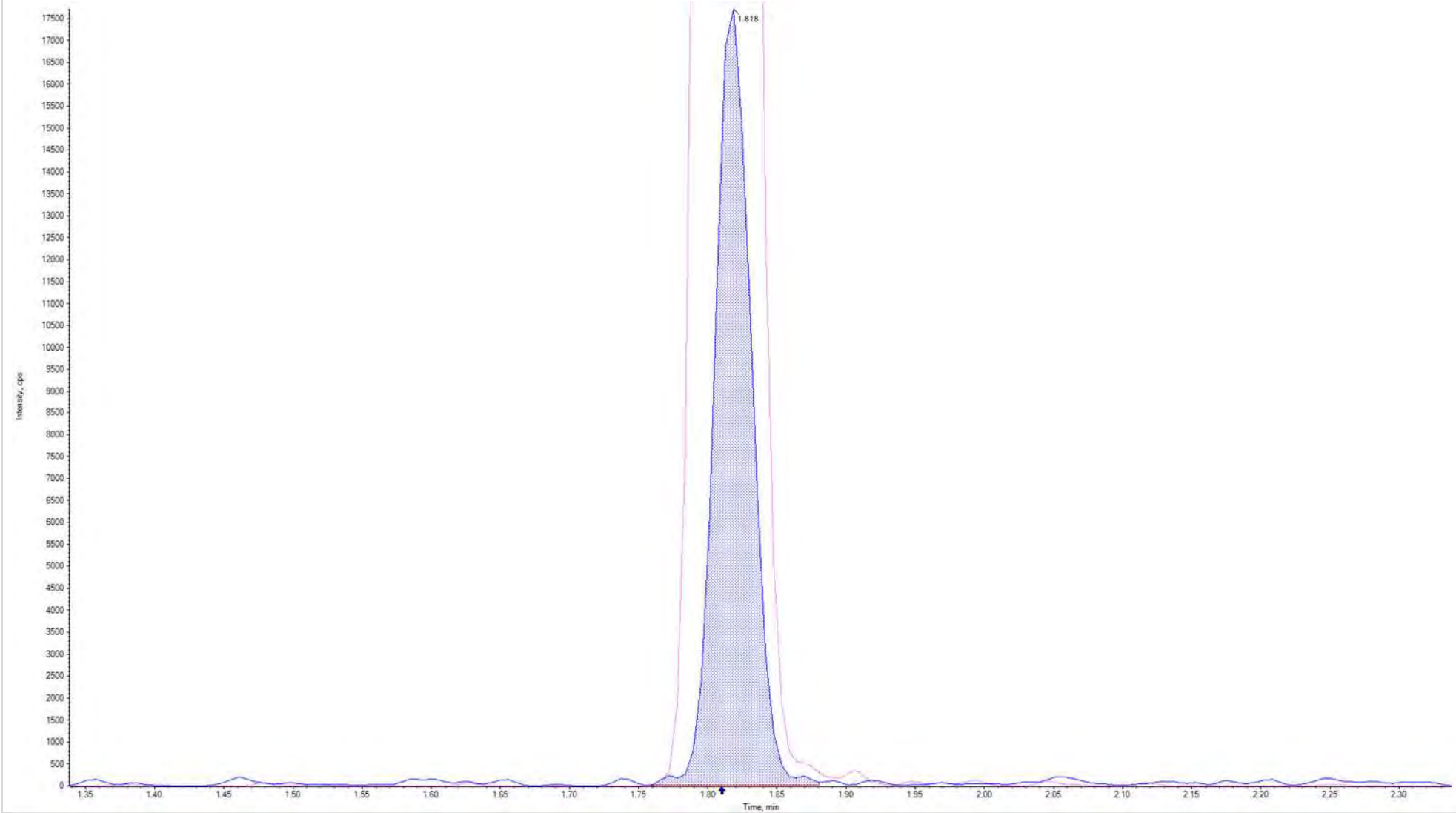
PFHxA_2
Sample: WG2012727-3 S/N:443.6 Points Across peak:23



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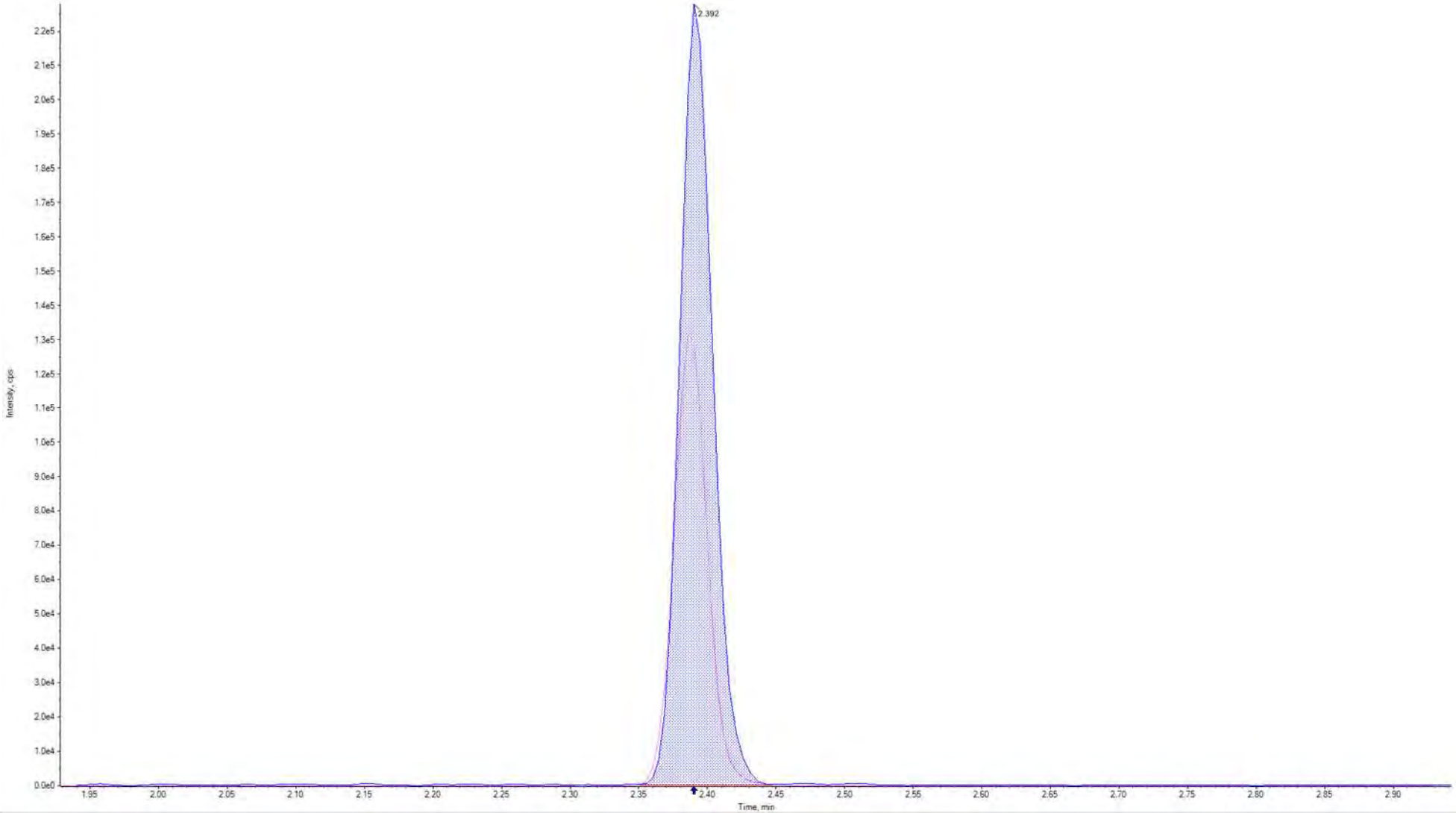
PFHpA
Sample: WG2012727-3 S/N:3108.9 Points Across peak:22



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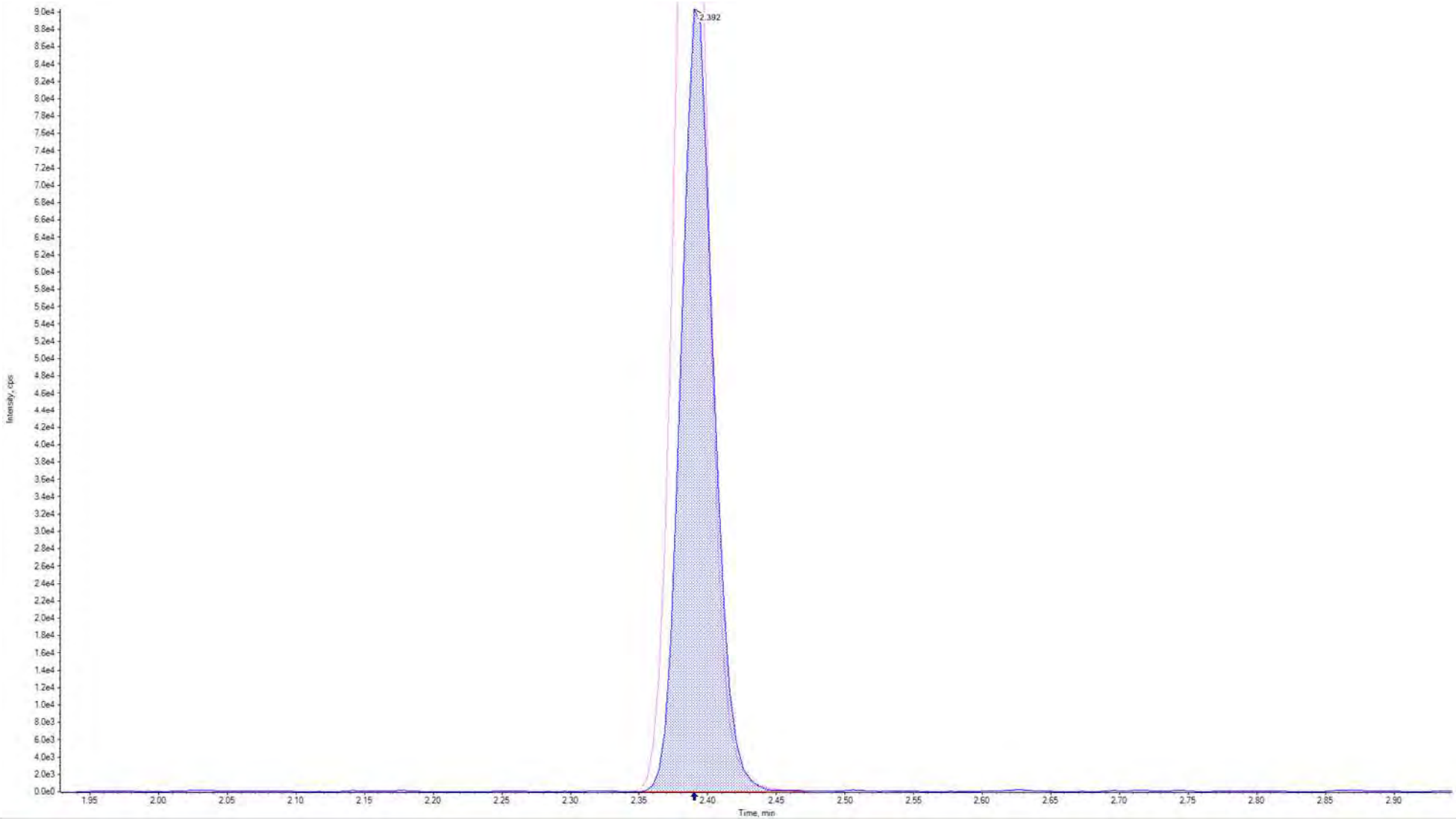
PFHpA_2
Sample: WG2012727-3 S/N:1810.8 Points Across peak:31



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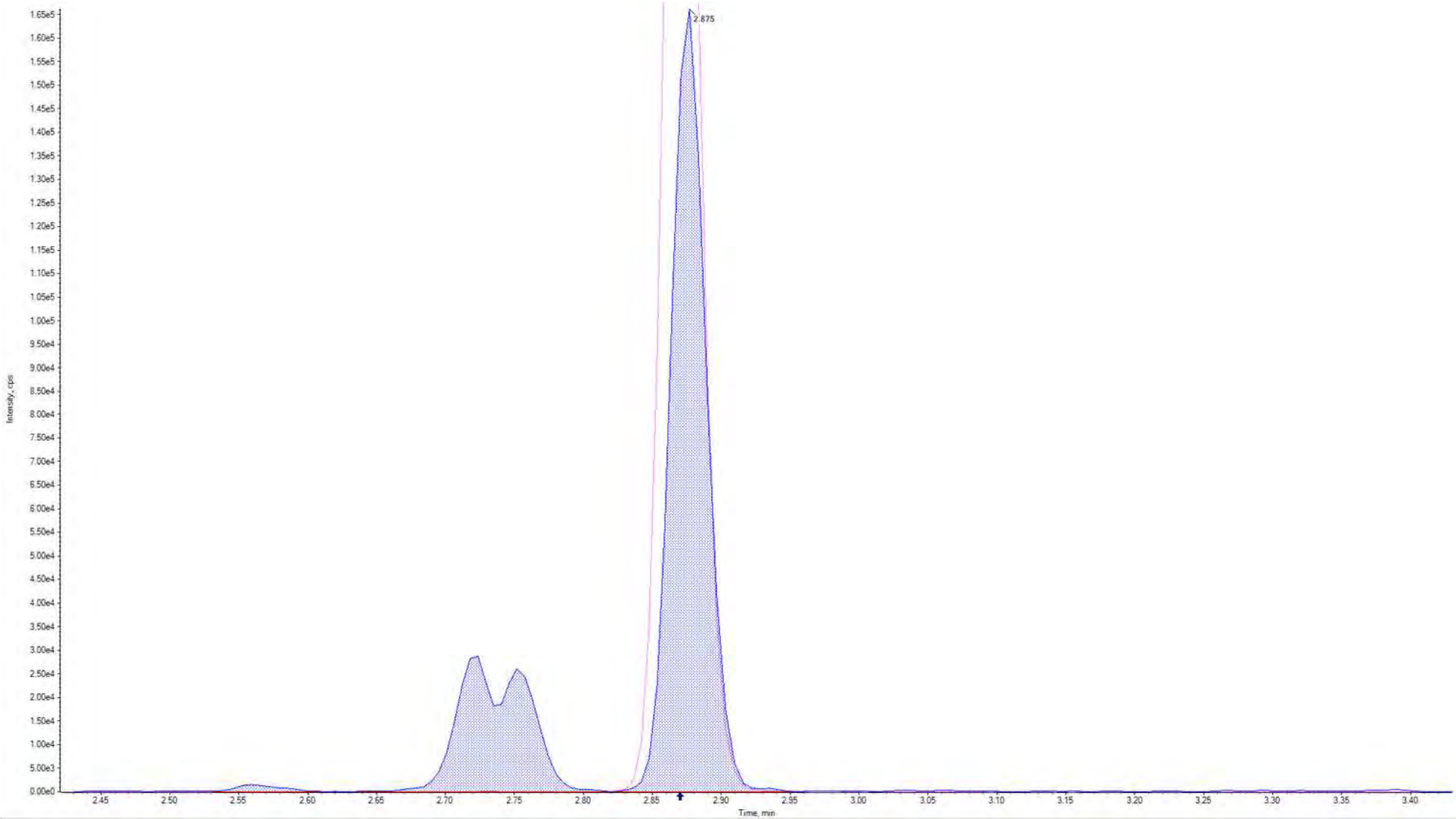
PFOA
Sample: WG2012727-3 S/N:628.1 Points Across peak:73



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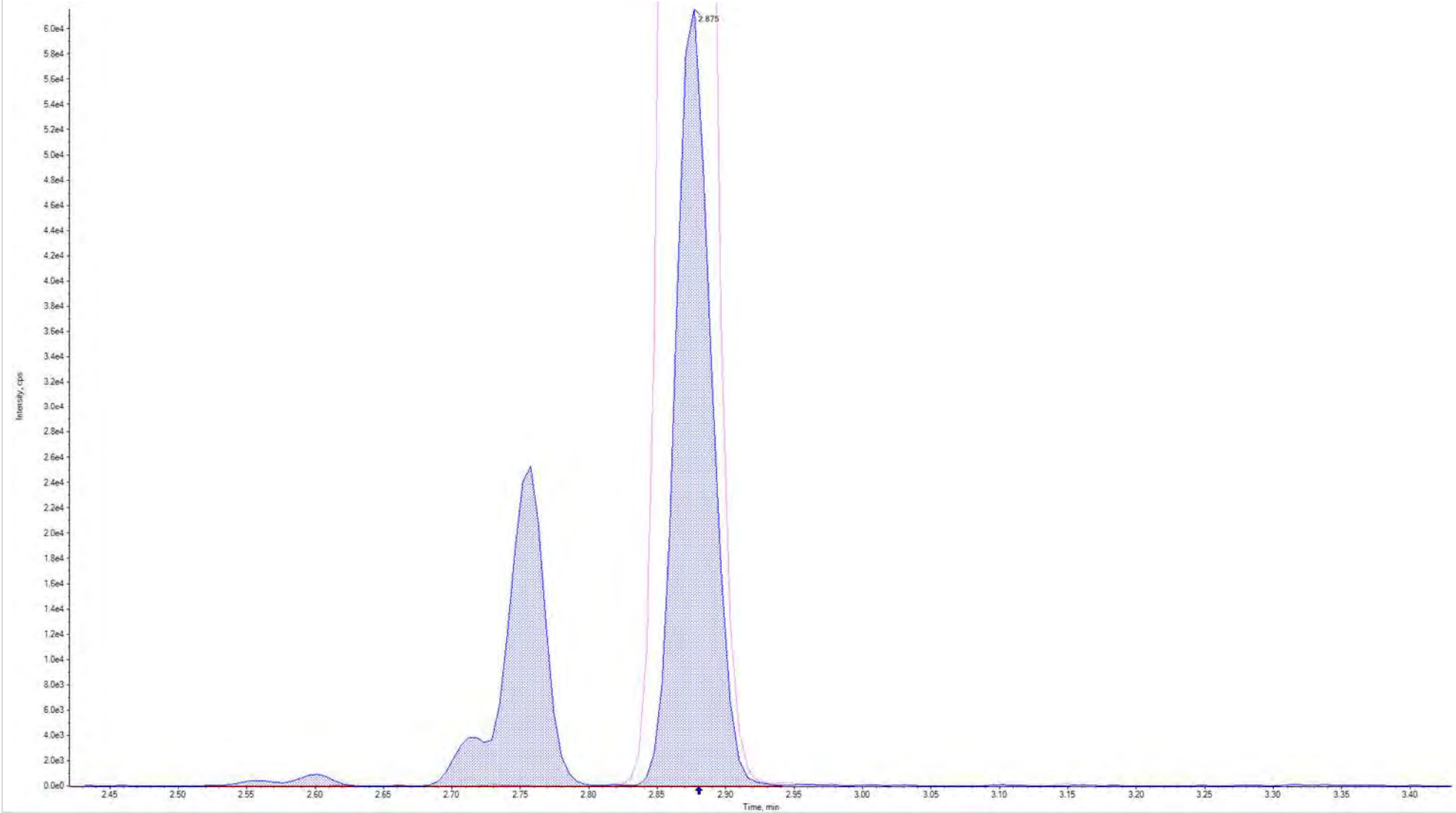
PFOA_2
Sample: WG2012727-3 S/N:607.2 Points Across peak:73



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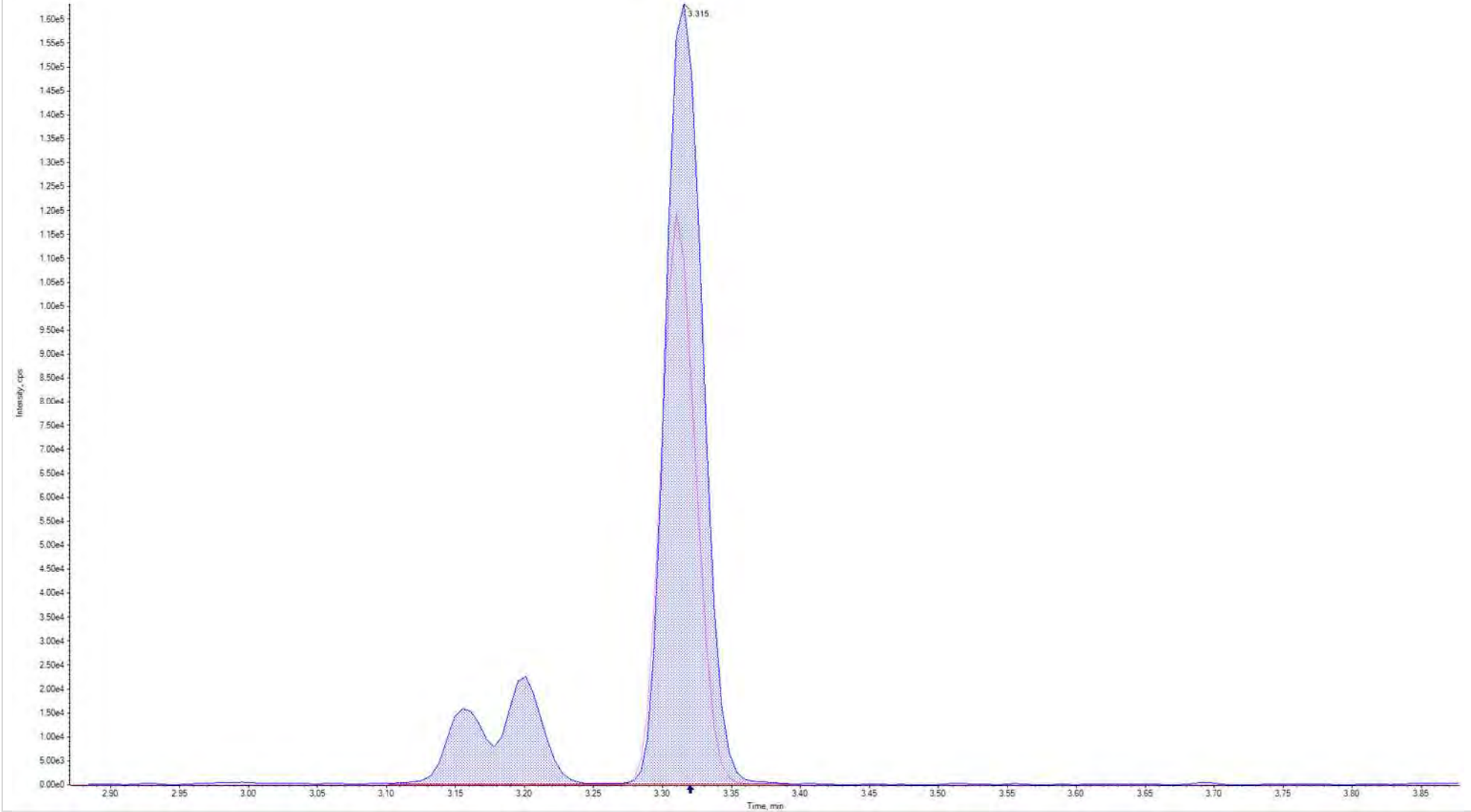
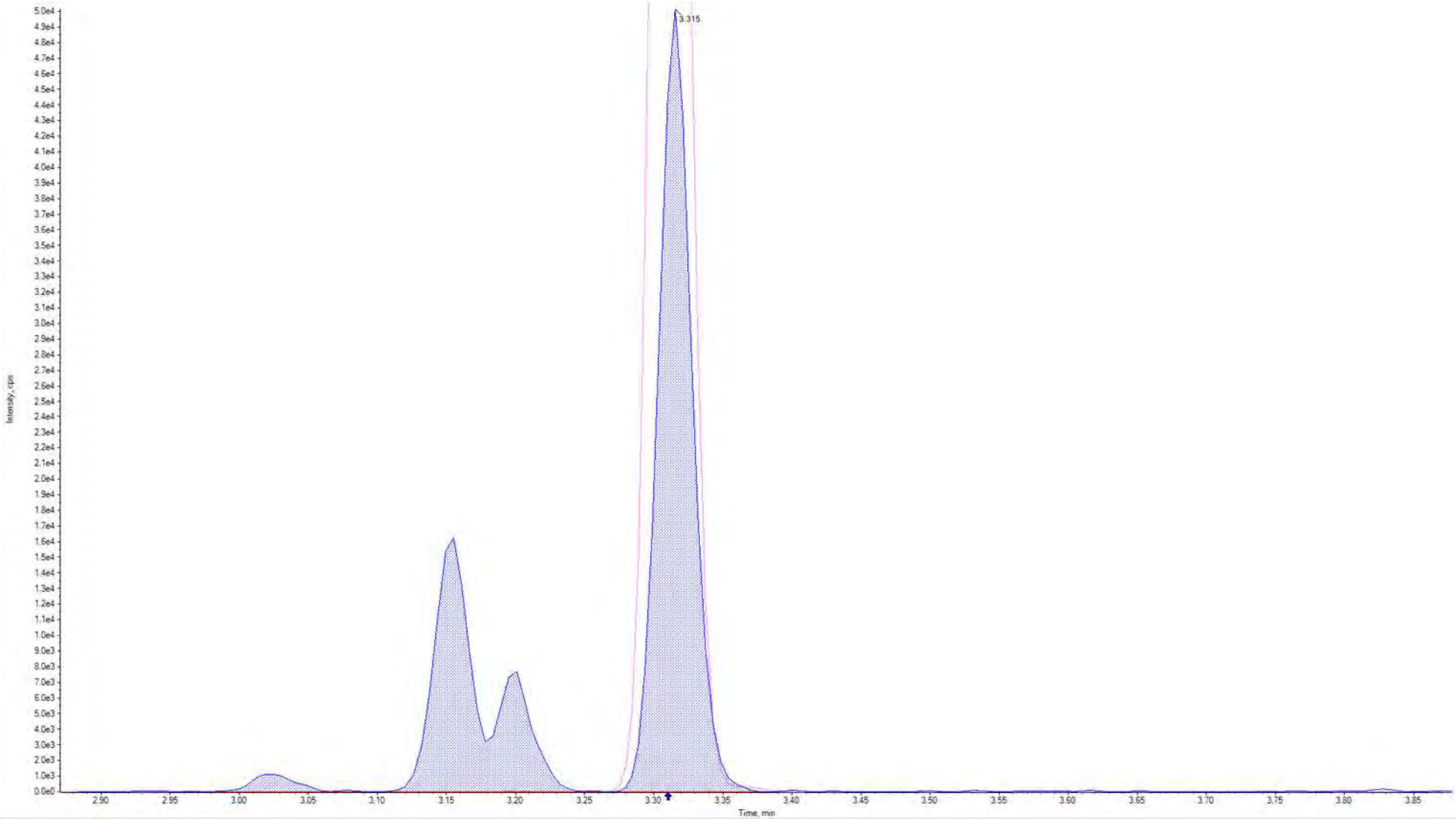
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_21.wiff2_6
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFNA
Sample: WG2012727-3 S/N:627.6 Points Across peak:56



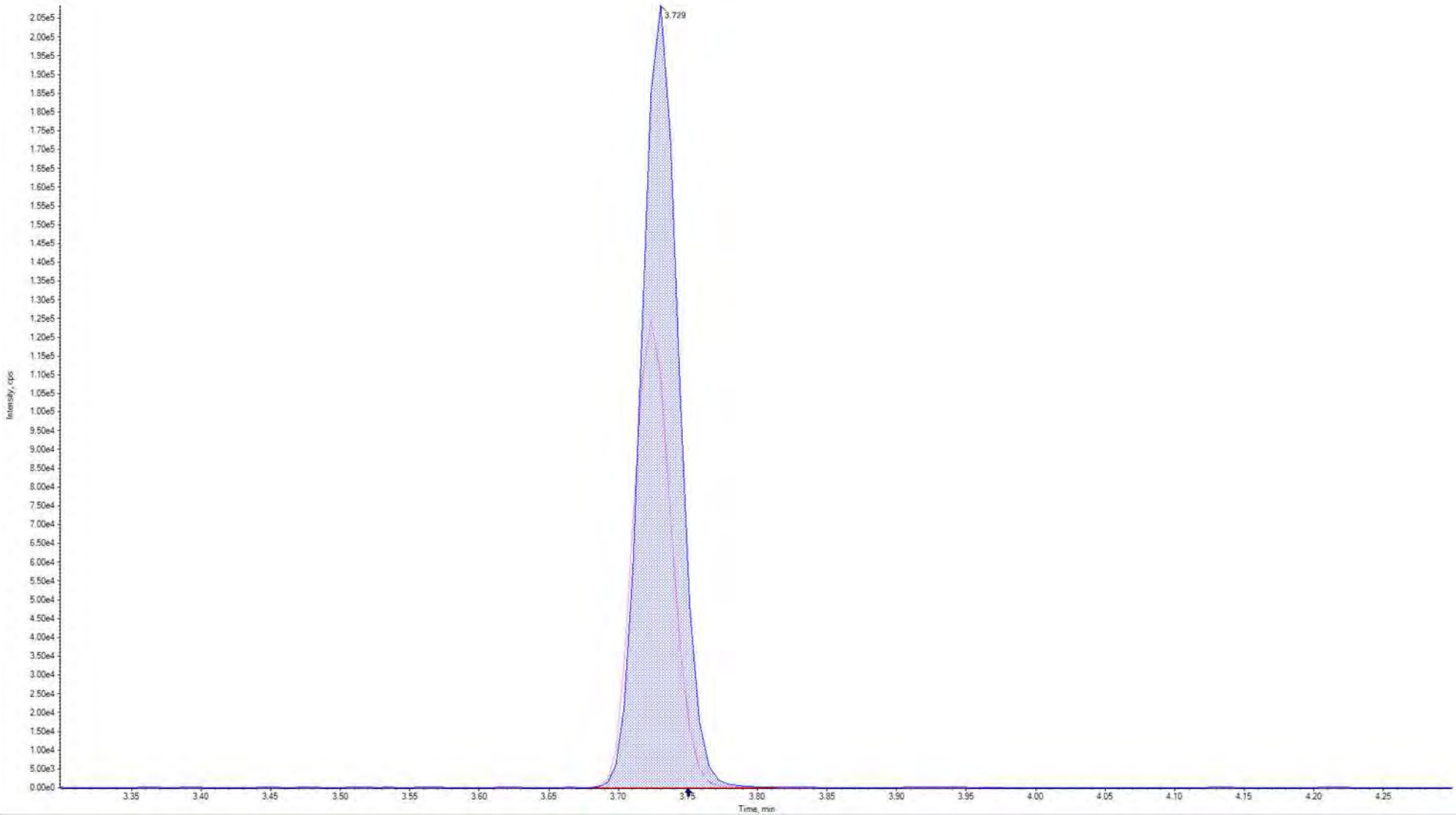
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_21.wiff2_6
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFNA_2
Sample: WG2012727-3 S/N:545.1 Points Across peak:76



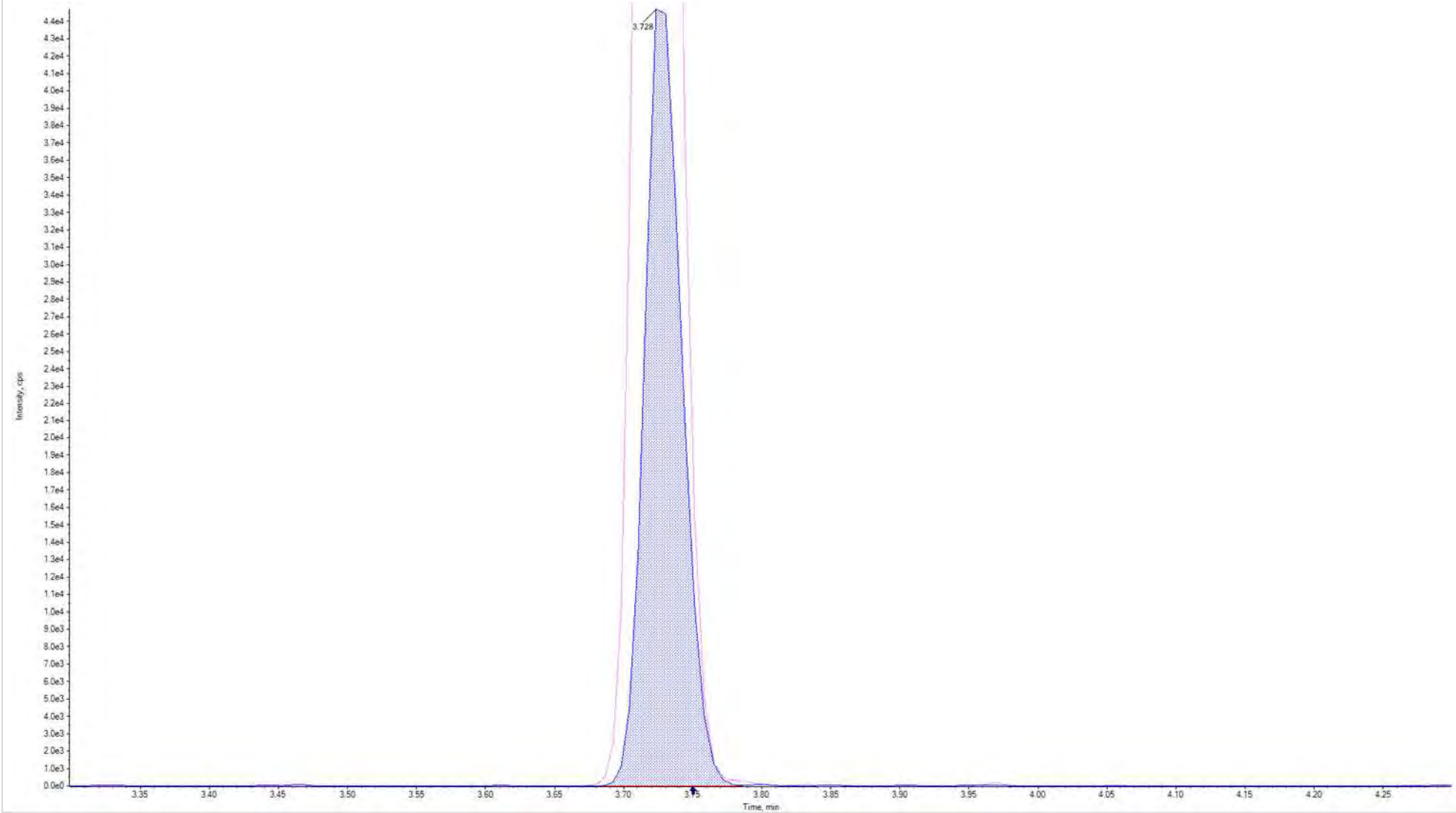
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_21.wiff2_6
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFDA
Sample: WG2012727-3 S/N:4178.3 Points Across peak:22



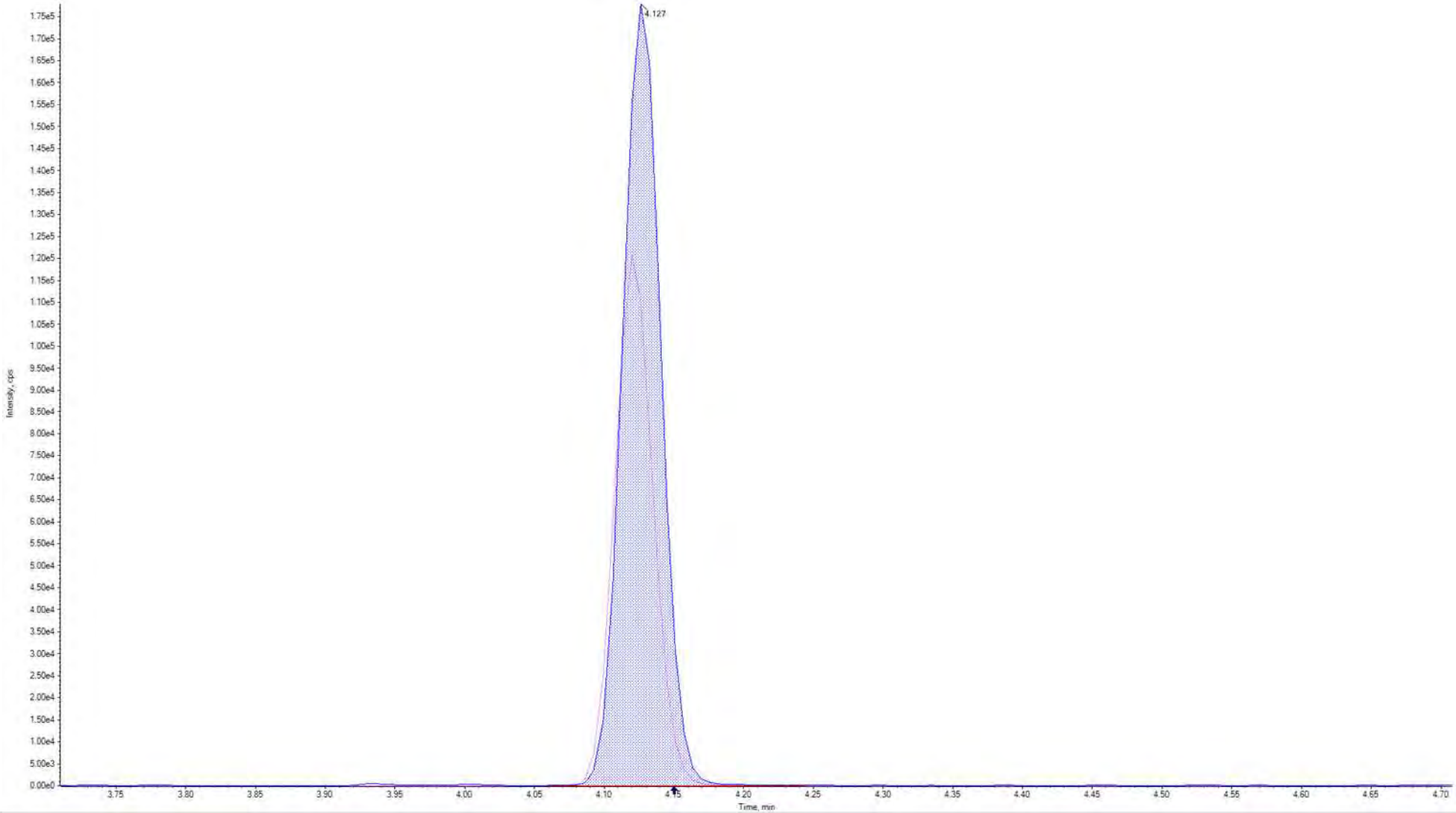
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_21.wiff2_6
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFDA_2
Sample: WG2012727-3 S/N:896.3 Points Across peak:22



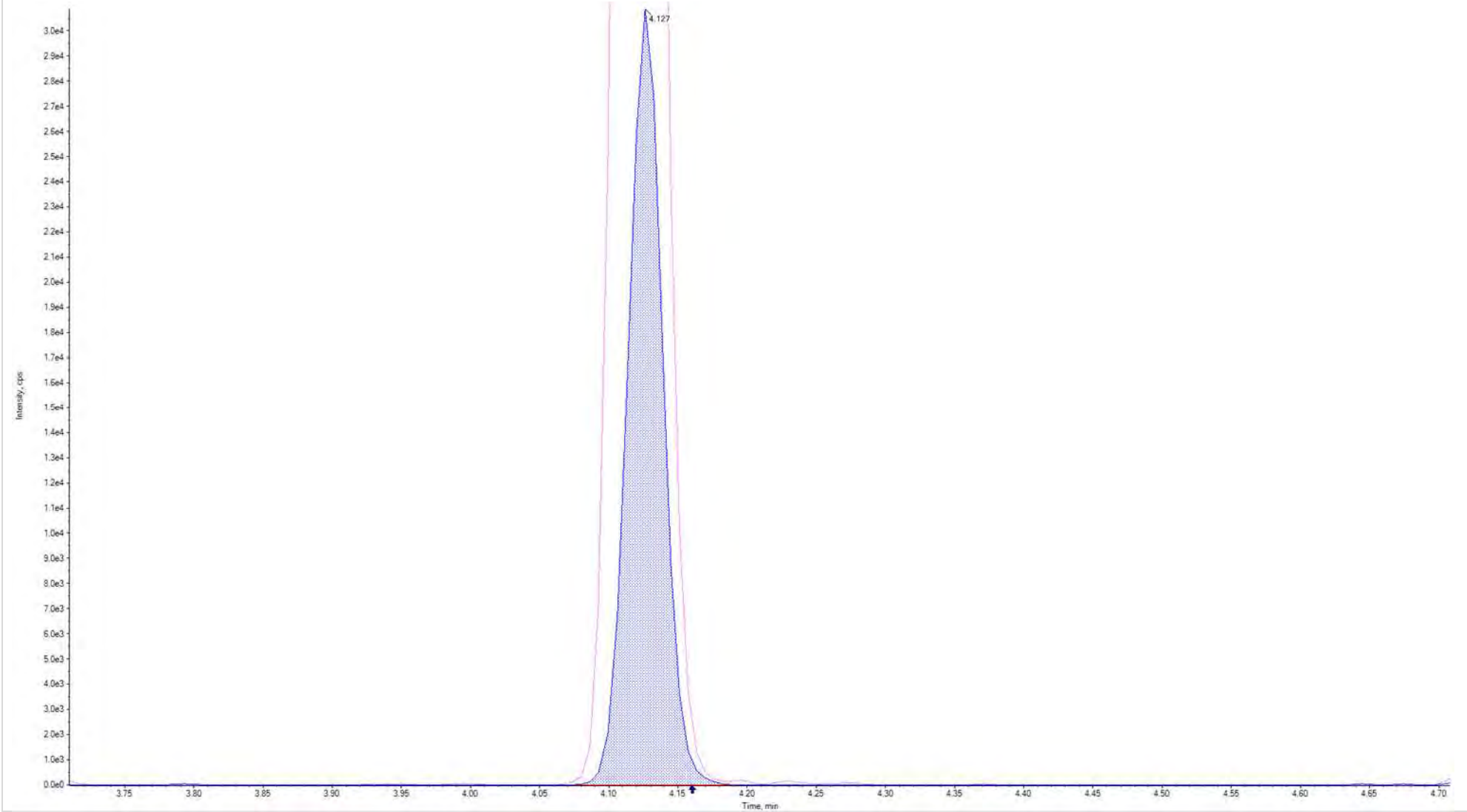
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_21.wiff2_6
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFUnA
Sample: WG2012727-3 S/N:4013.1 Points Across peak:33



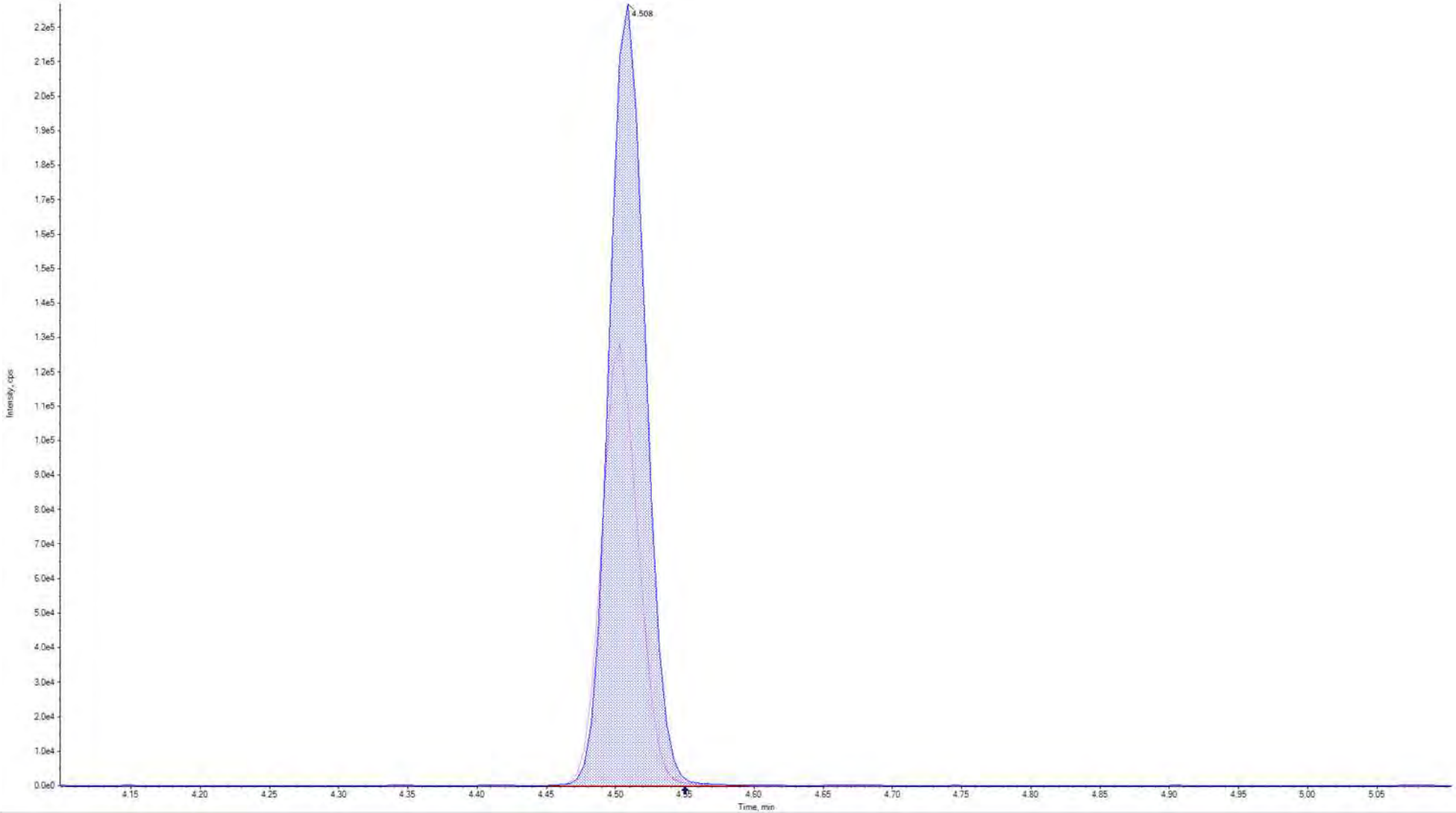
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_21.wiff2_6
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFUnA_2
Sample: WG2012727-3 S/N:696.4 Points Across peak:31



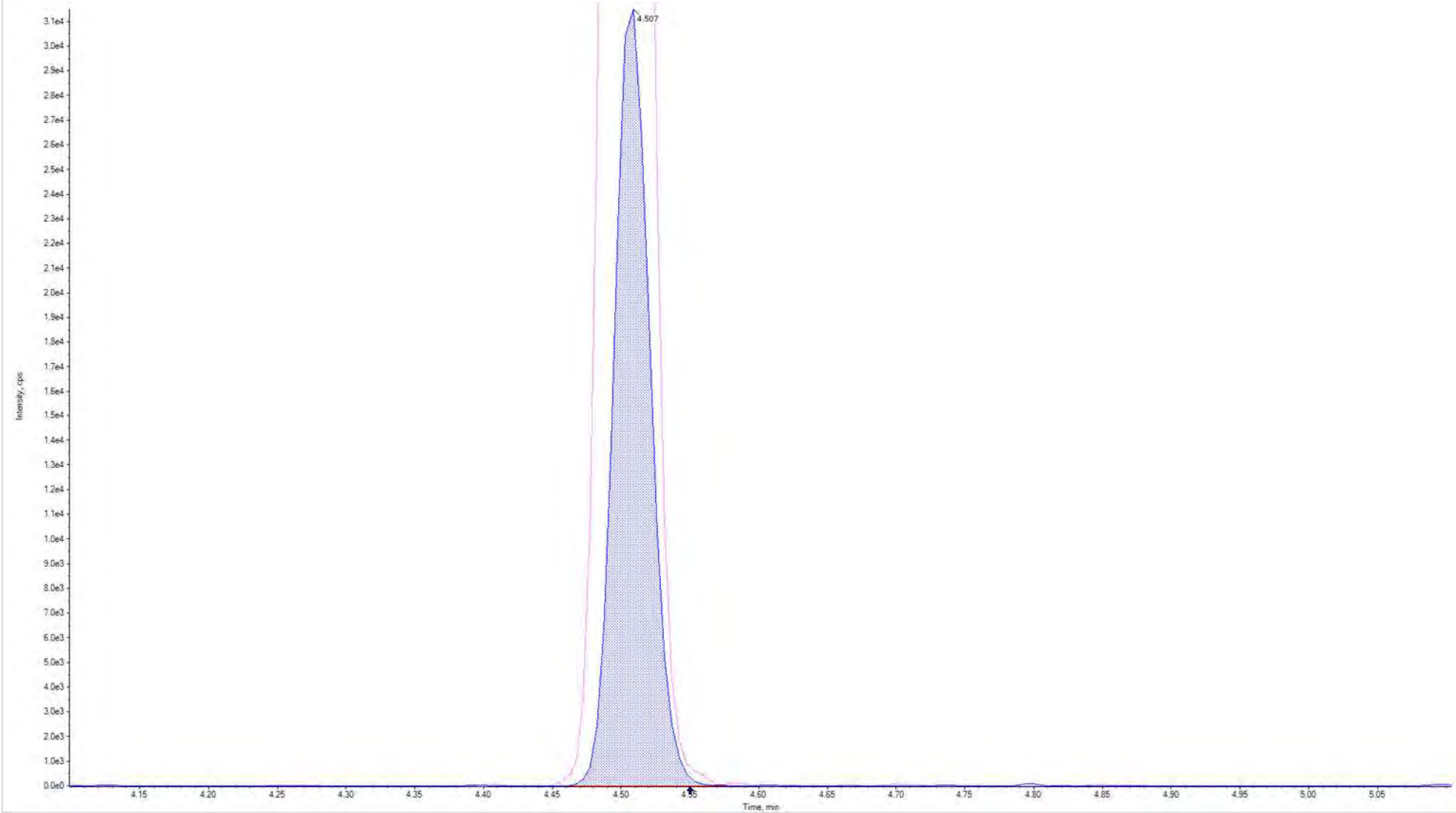
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_21.wiff2_6
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFDoA
Sample: WG2012727-3 S/N:6251.3 Points Across peak:32



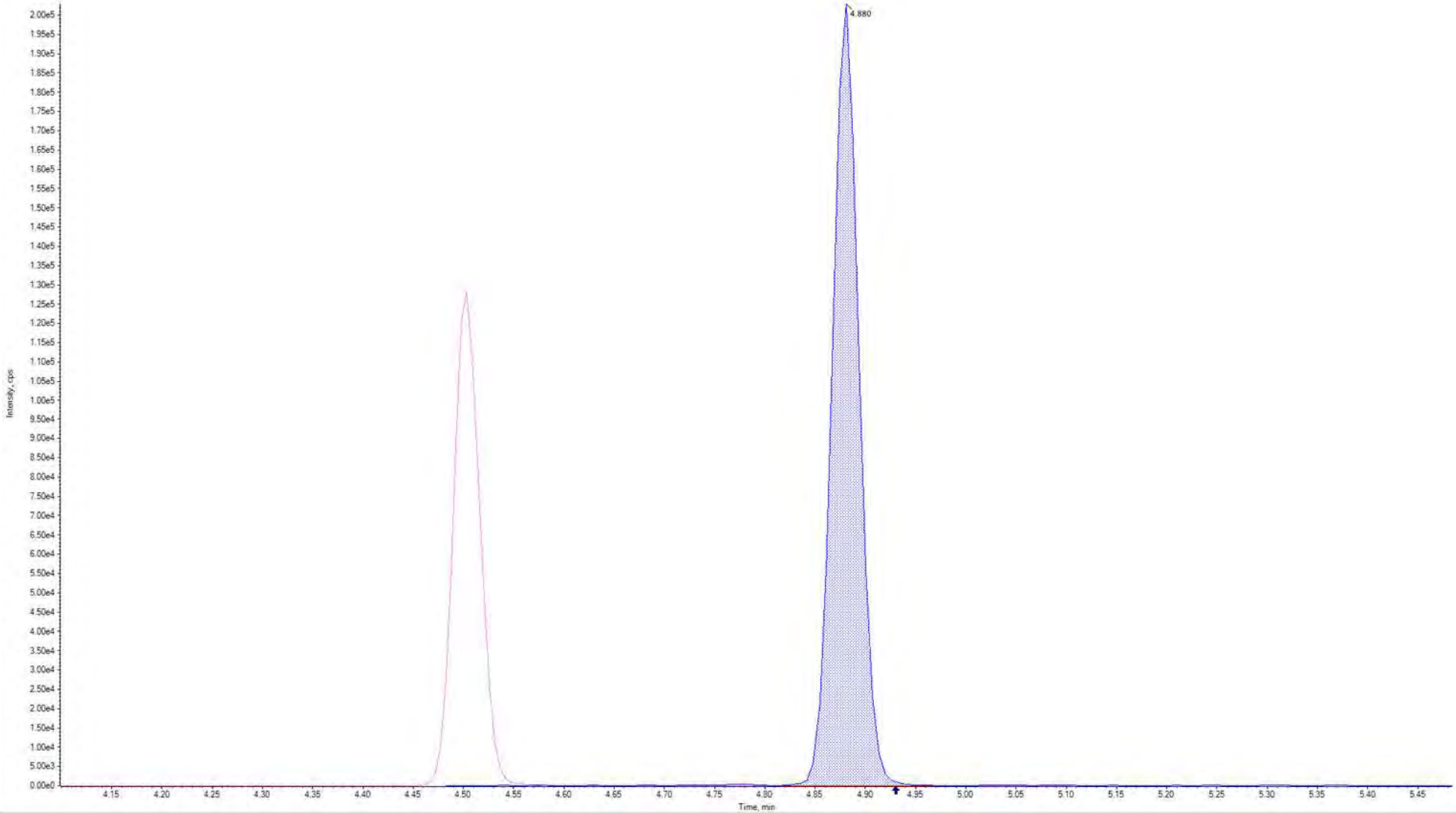
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_21.wiff2_6
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFDoA_2
Sample: WG2012727-3 S/N:868.5 Points Across peak:31



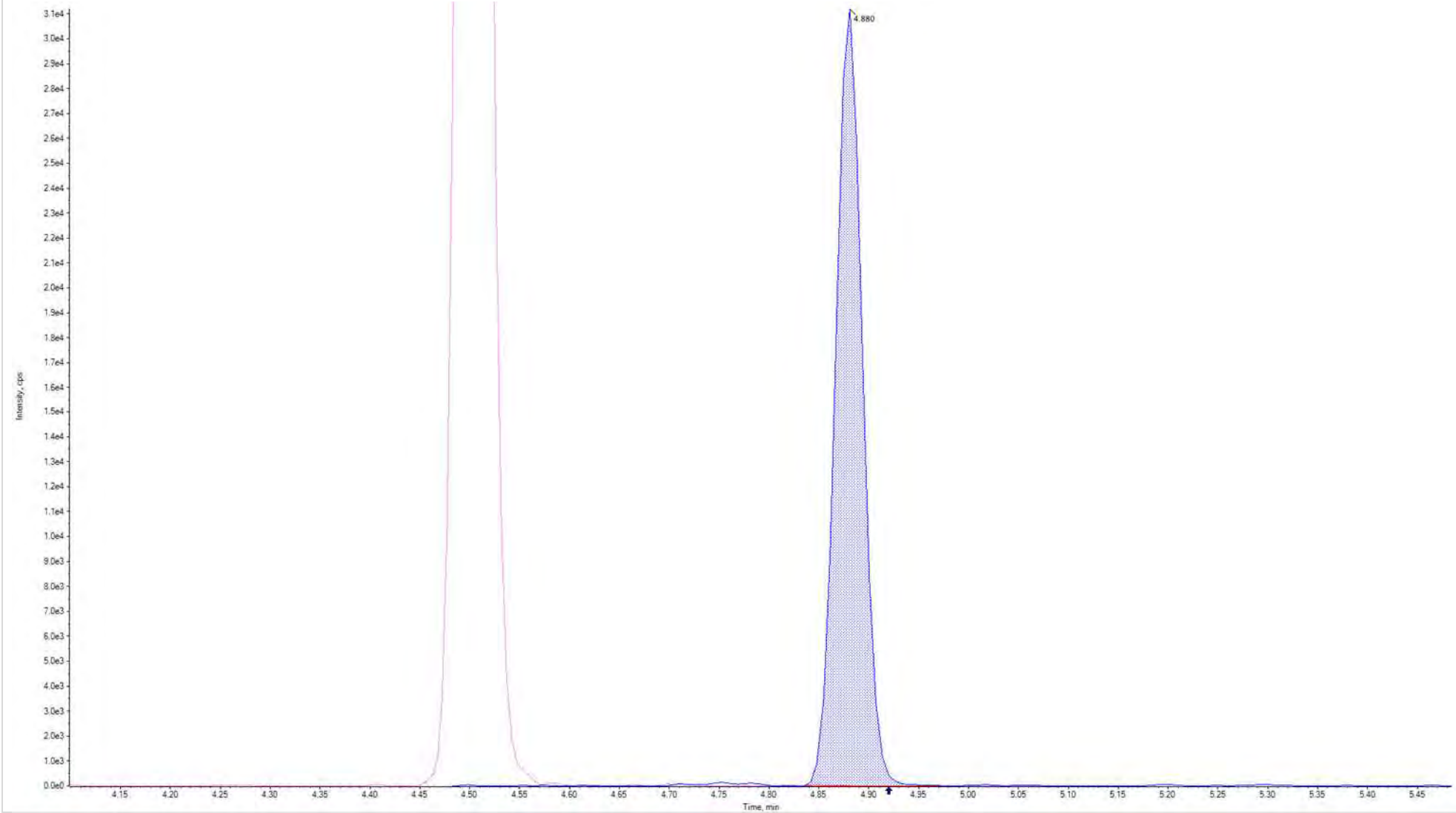
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_21.wiff2_6
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFTrDA
Sample: WG2012727-3 S/N:4527.9 Points Across peak:28



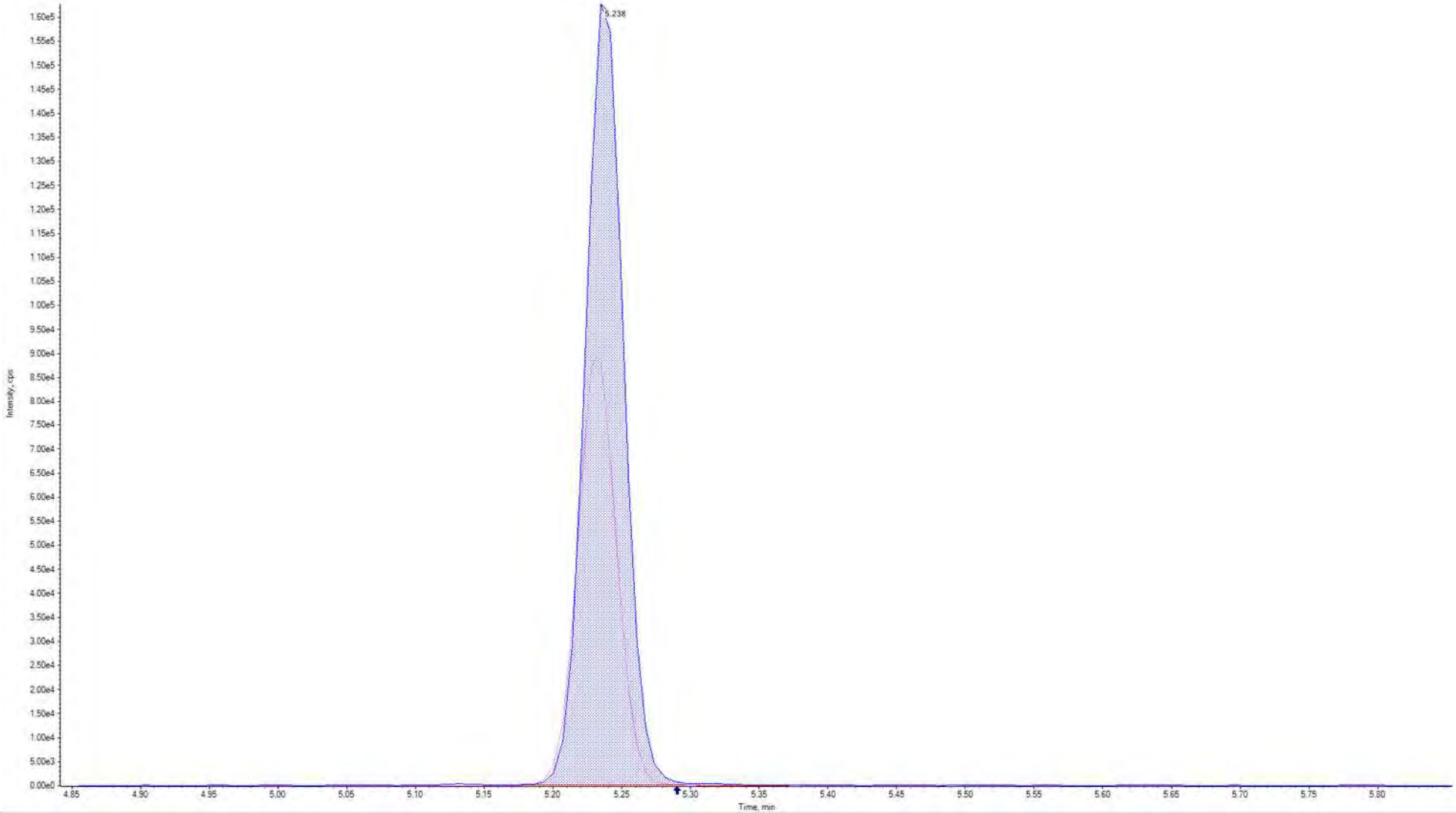
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_21.wiff2_6
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFTrDA_2
Sample: WG2012727-3 S/N:1250.9 Points Across peak:25



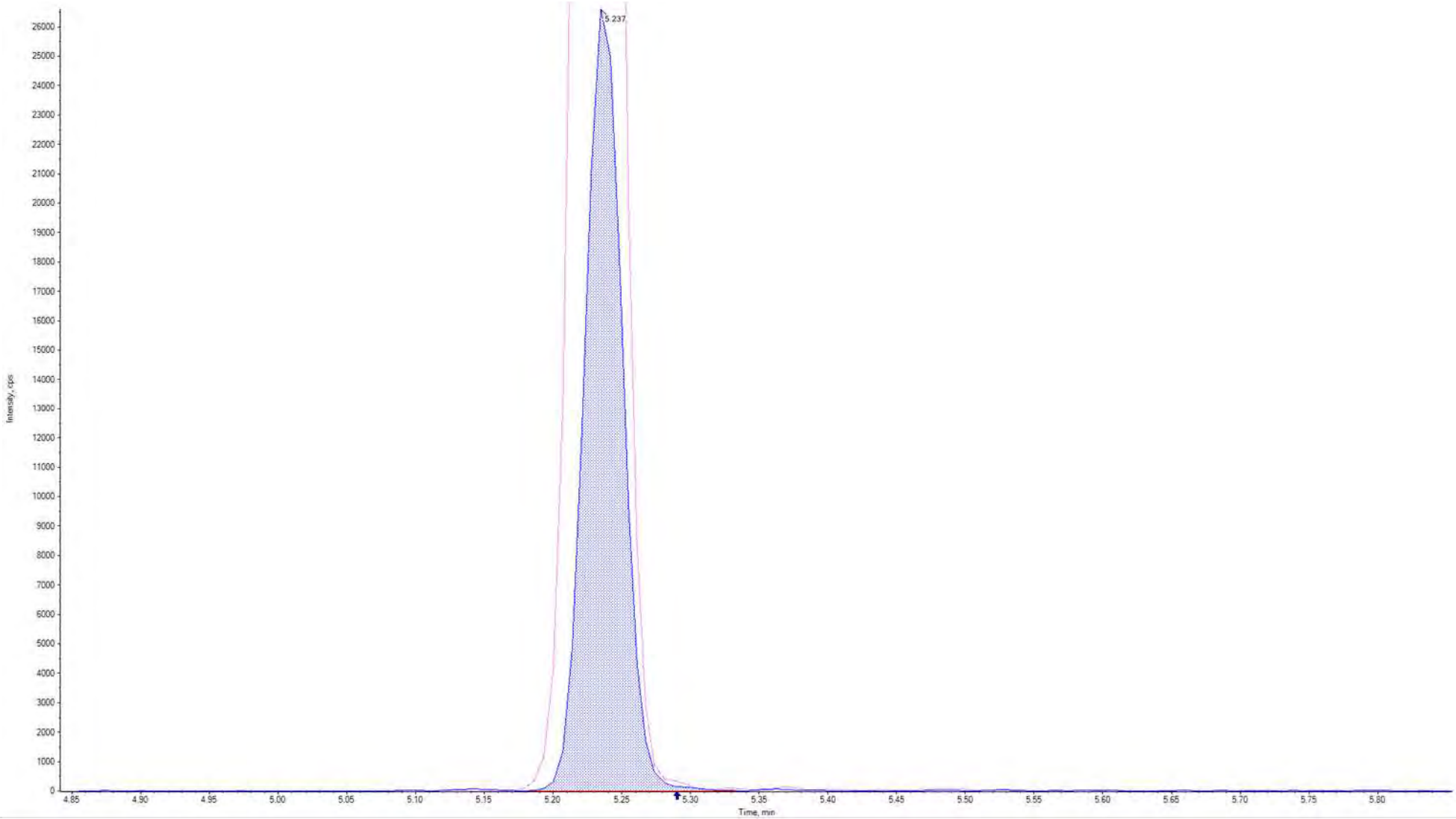
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_21.wiff2_6
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFTeDA
Sample: WG2012727-3 S/N:5116.4 Points Across peak:30



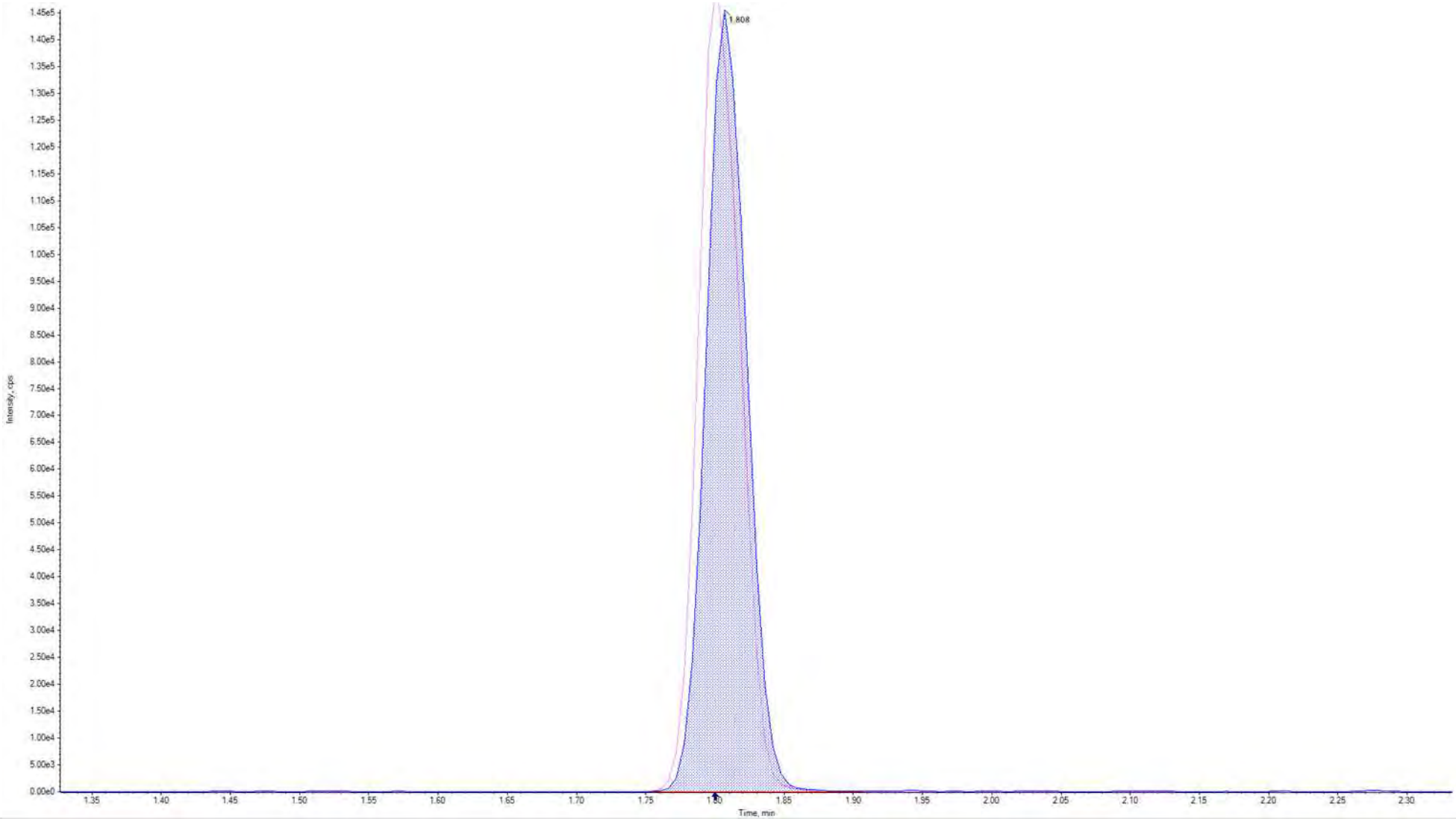
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_21.wiff2_6
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFTeDA_2
Sample: WG2012727-3 S/N:1666.5 Points Across peak:24



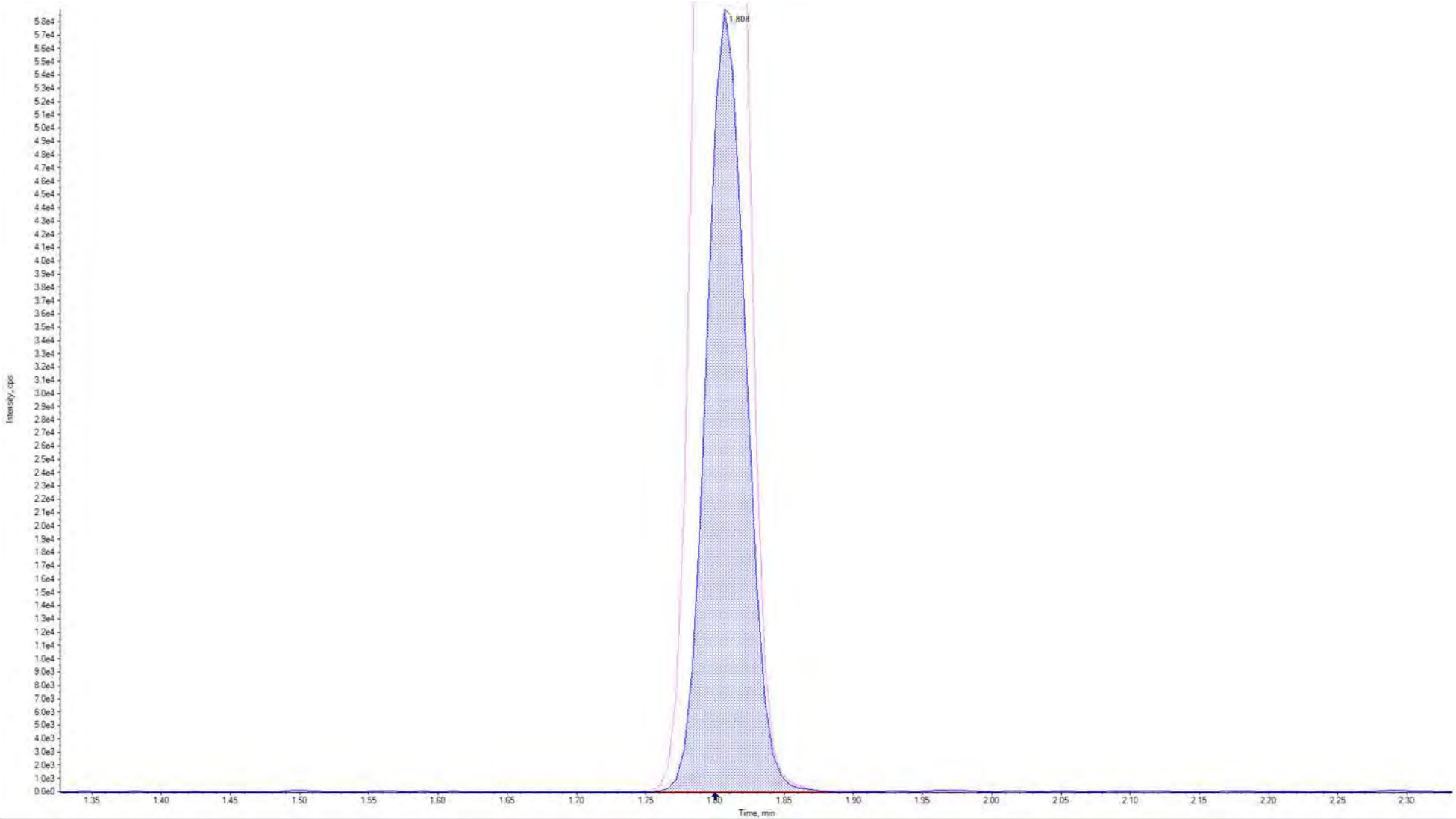
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_21.wiff2_6
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFBS
Sample: WG2012727-3 S/N:2431.4 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_21.wiff2_6
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFBS_2
Sample: WG2012727-3 S/N:1477.6 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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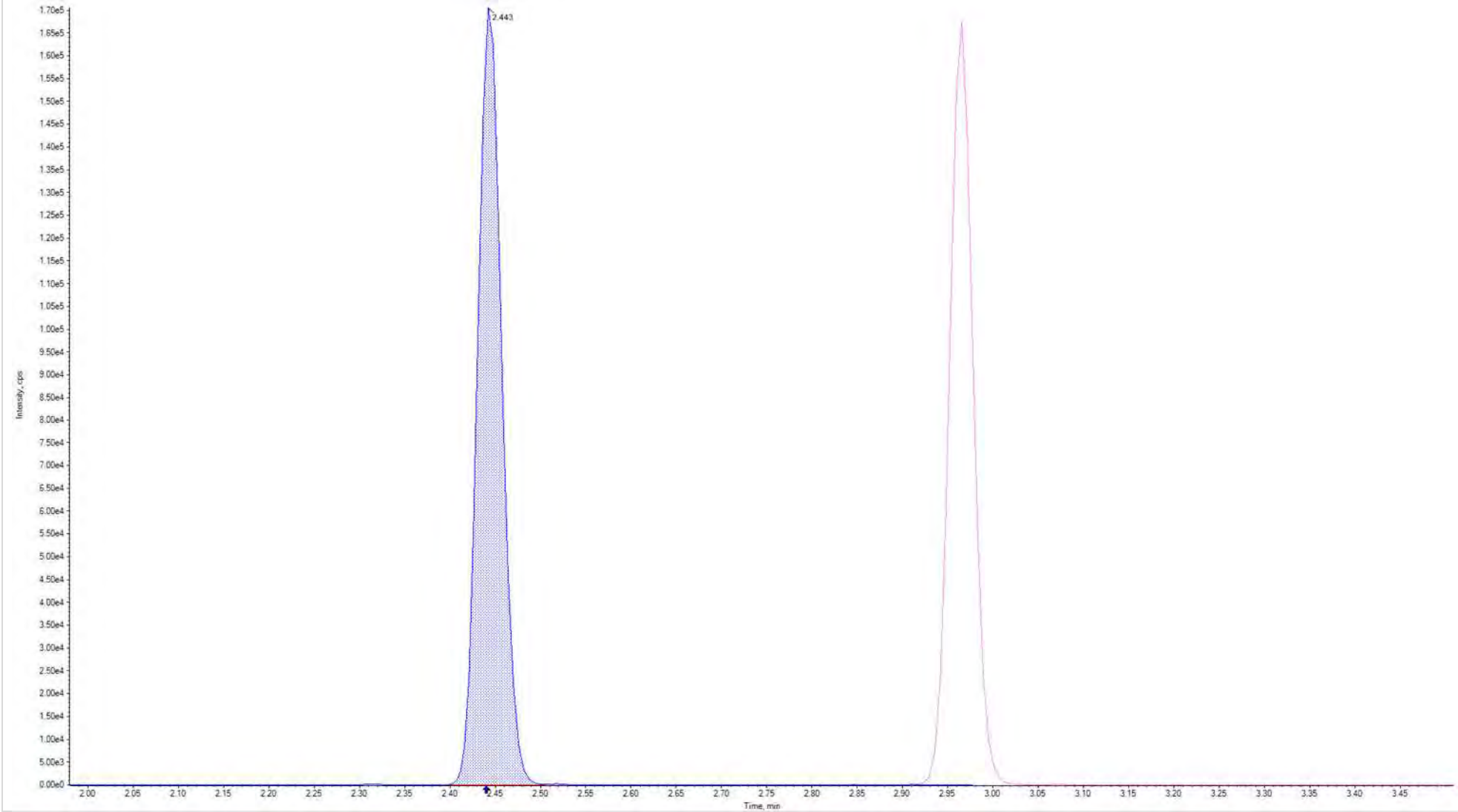
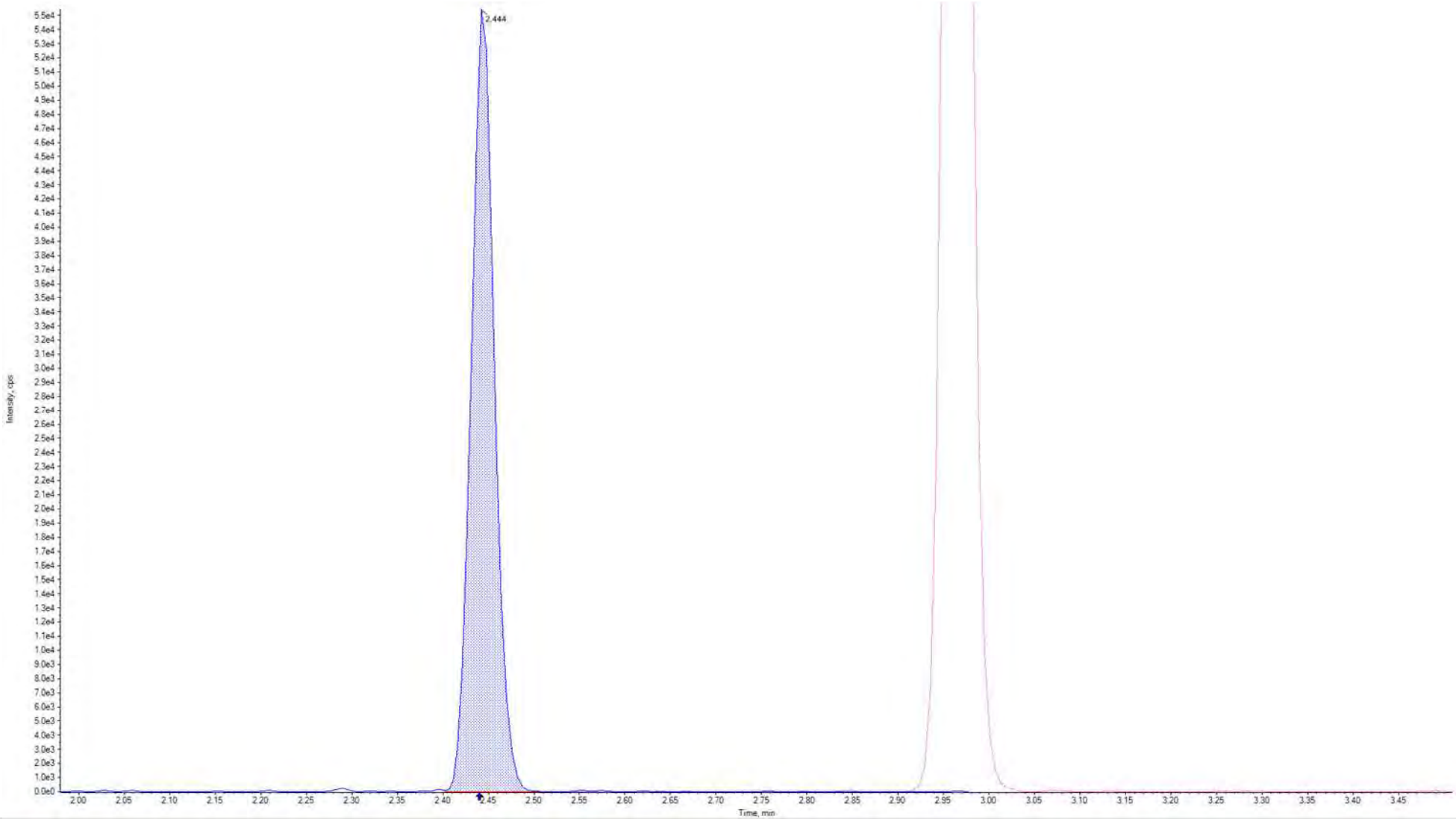
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFPeS
Sample: WG2012727-3 S/N:3420.7 Points Across peak:23



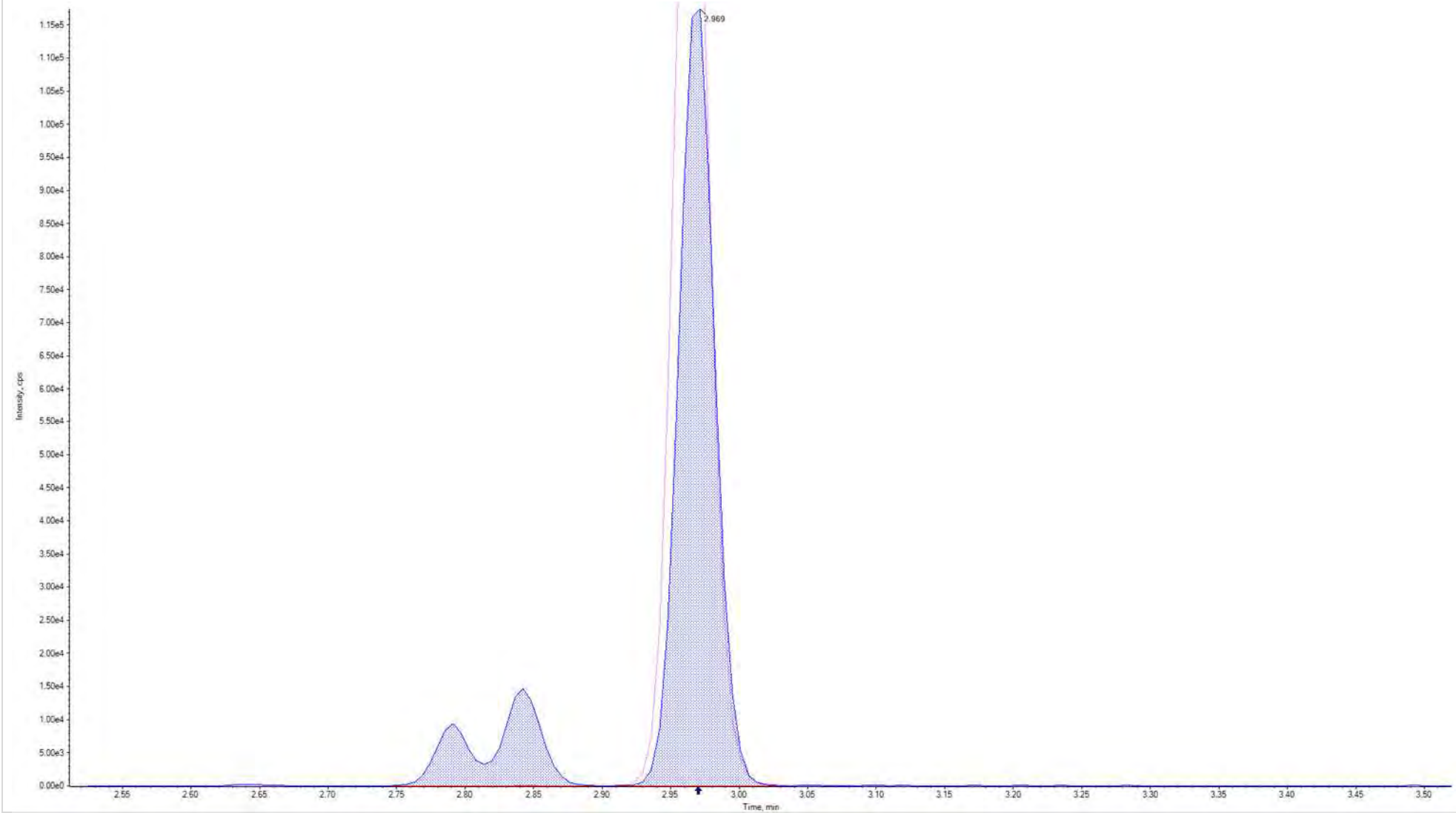
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_21.wiff2_6
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFPeS_2
Sample: WG2012727-3 S/N:1111.9 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_21.wiff2_6
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFHxS
Sample: WG2012727-3 S/N:1105.7 Points Across peak:52



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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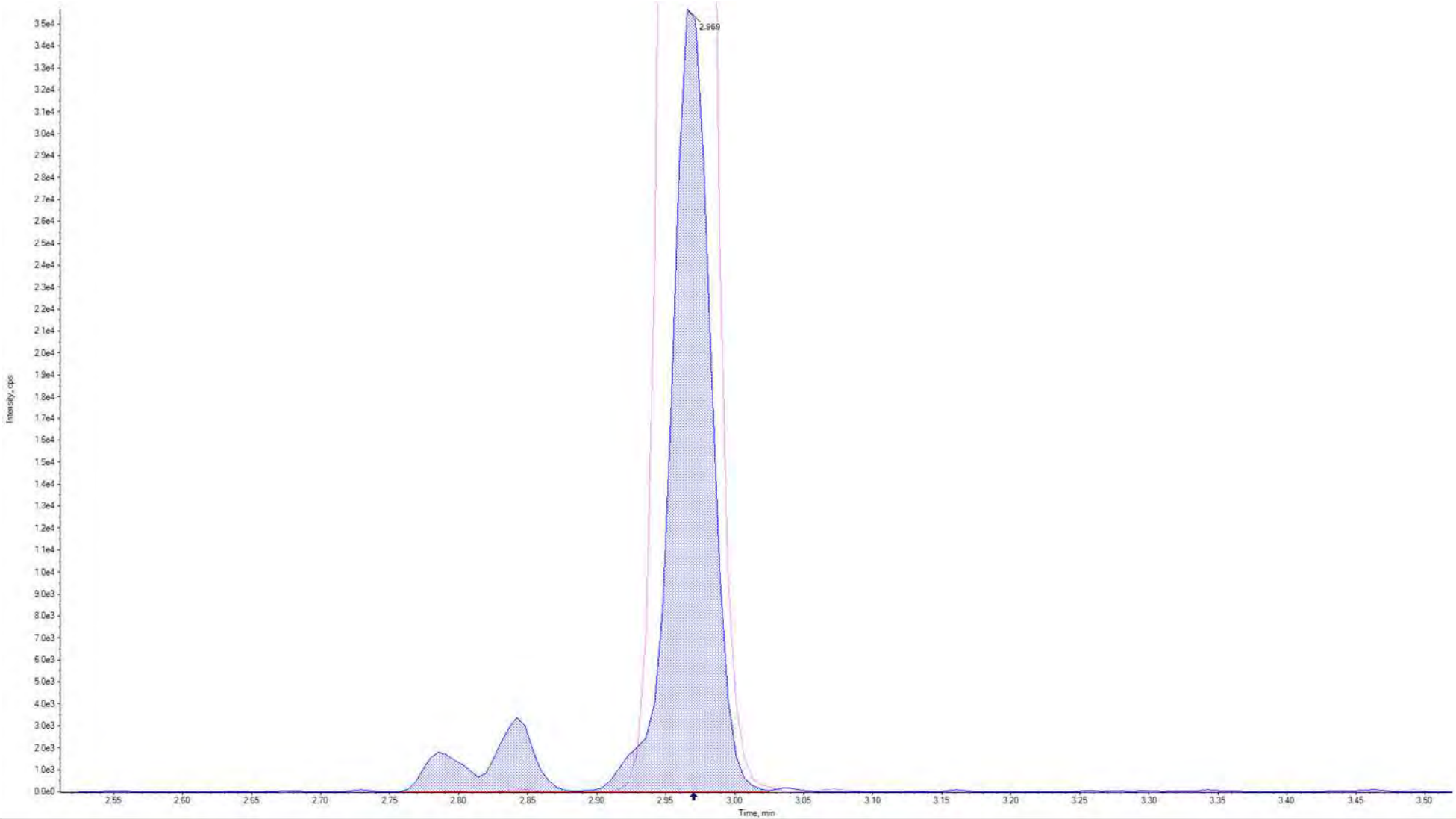
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFHxS_2
Sample: WG2012727-3 S/N:796.0 Points Across peak:48



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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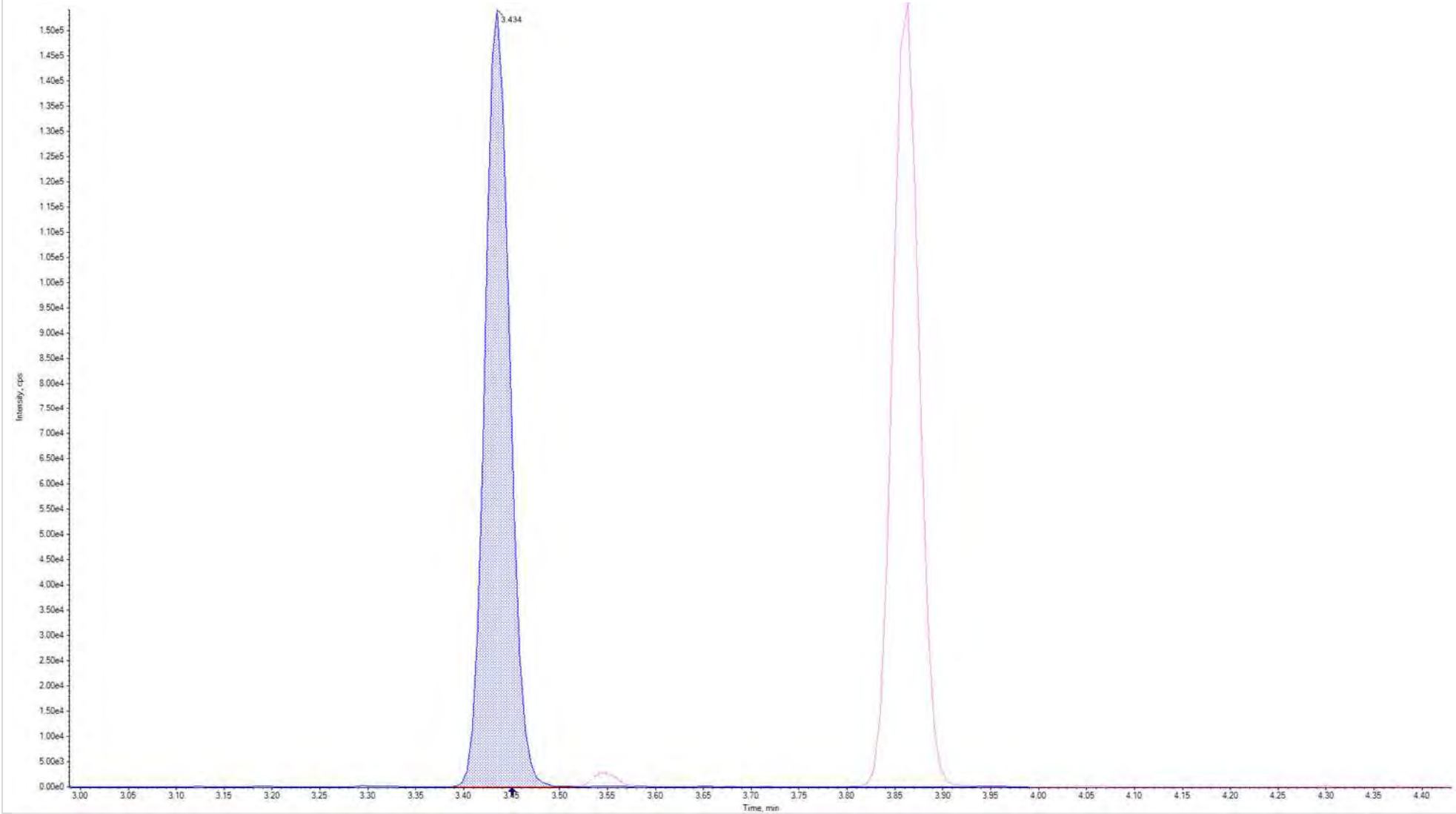
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFHpS
Sample: WG2012727-3 S/N:3088.9 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/24/2024 7:52:08 AM
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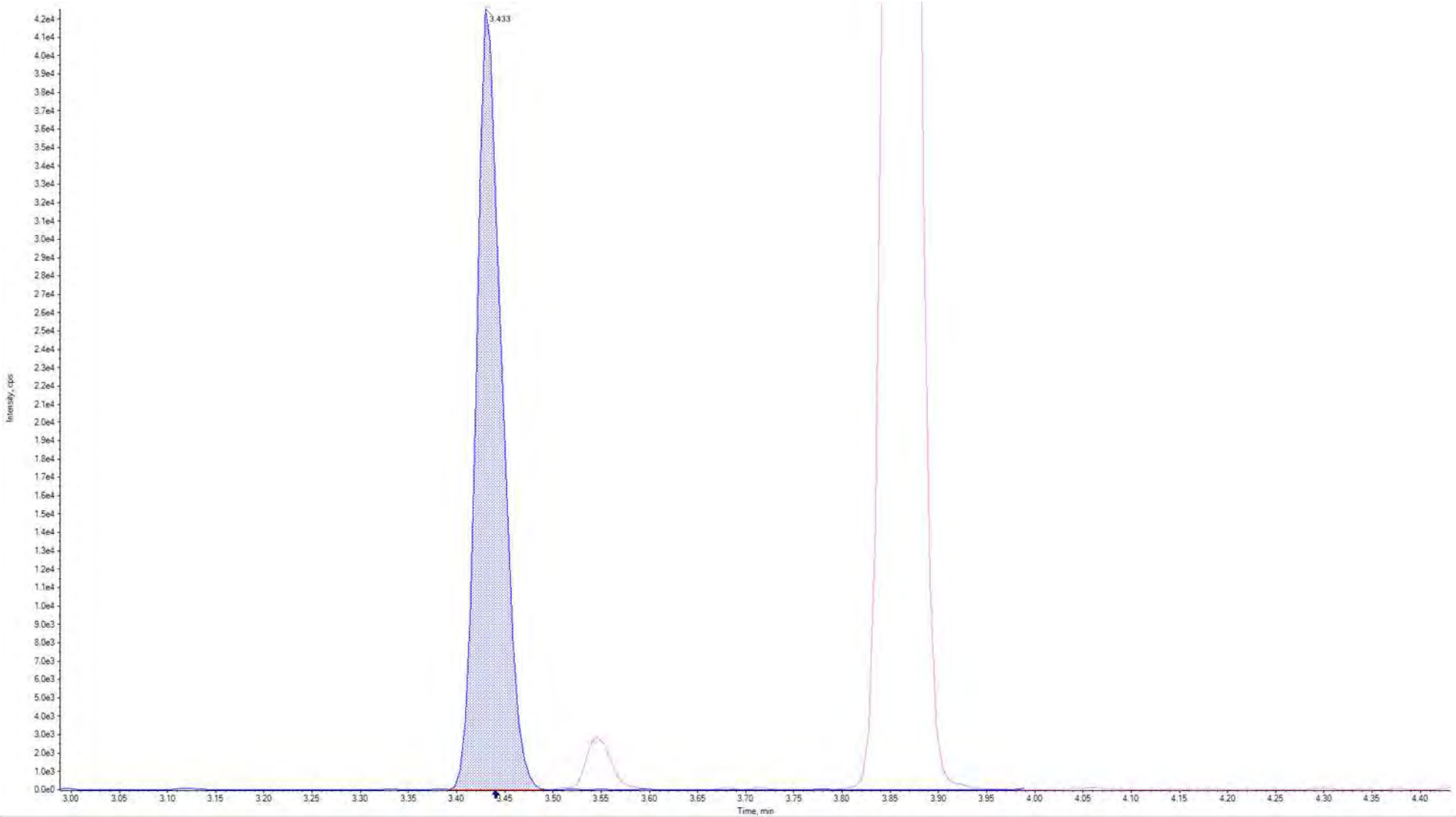
PFHpS_2
Sample: WG2012727-3 S/N:853.0 Points Across peak:21



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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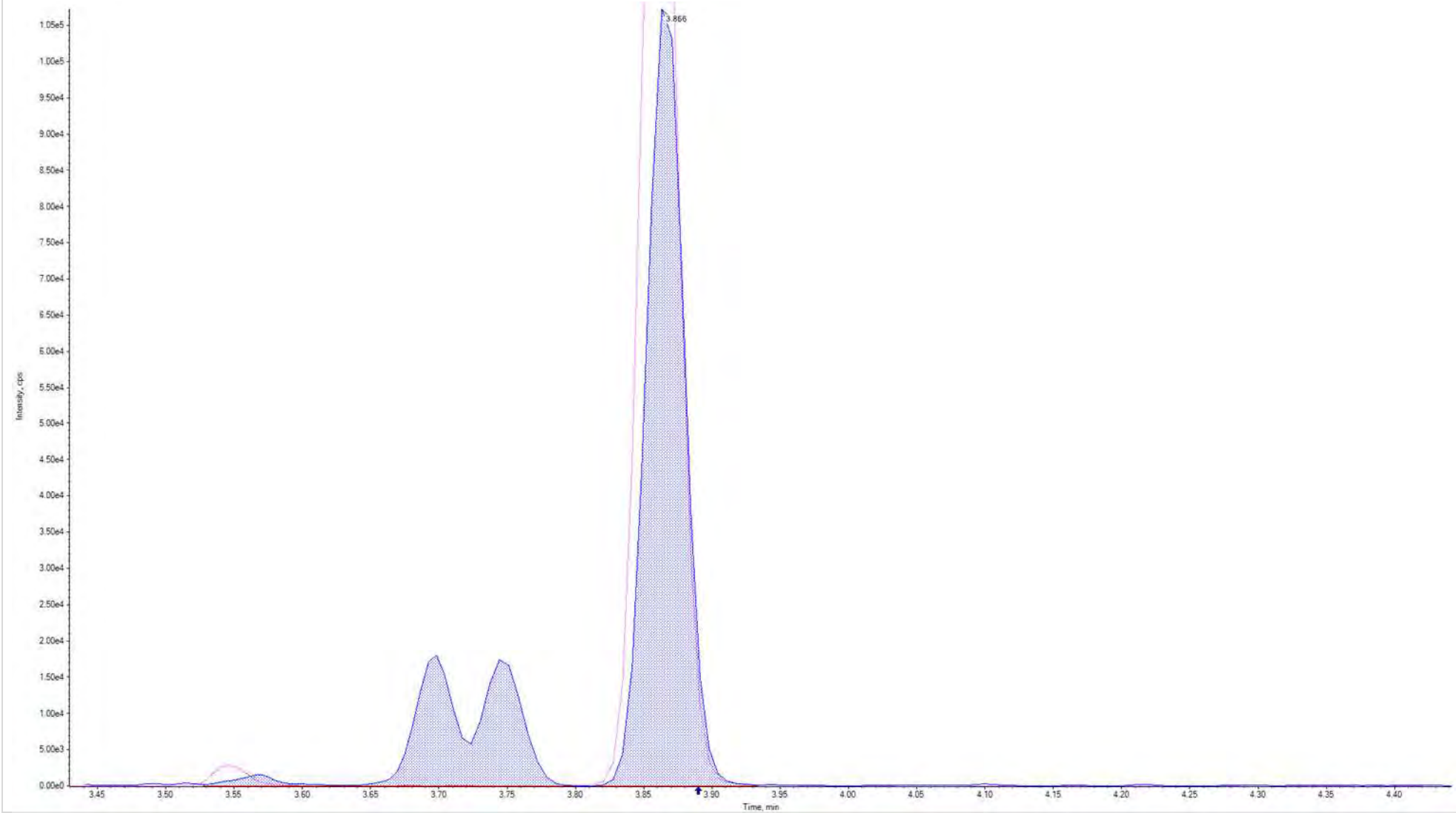
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFOS
Sample: WG2012727-3 S/N:429.9 Points Across peak:69



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/24/2024 7:52:08 AM
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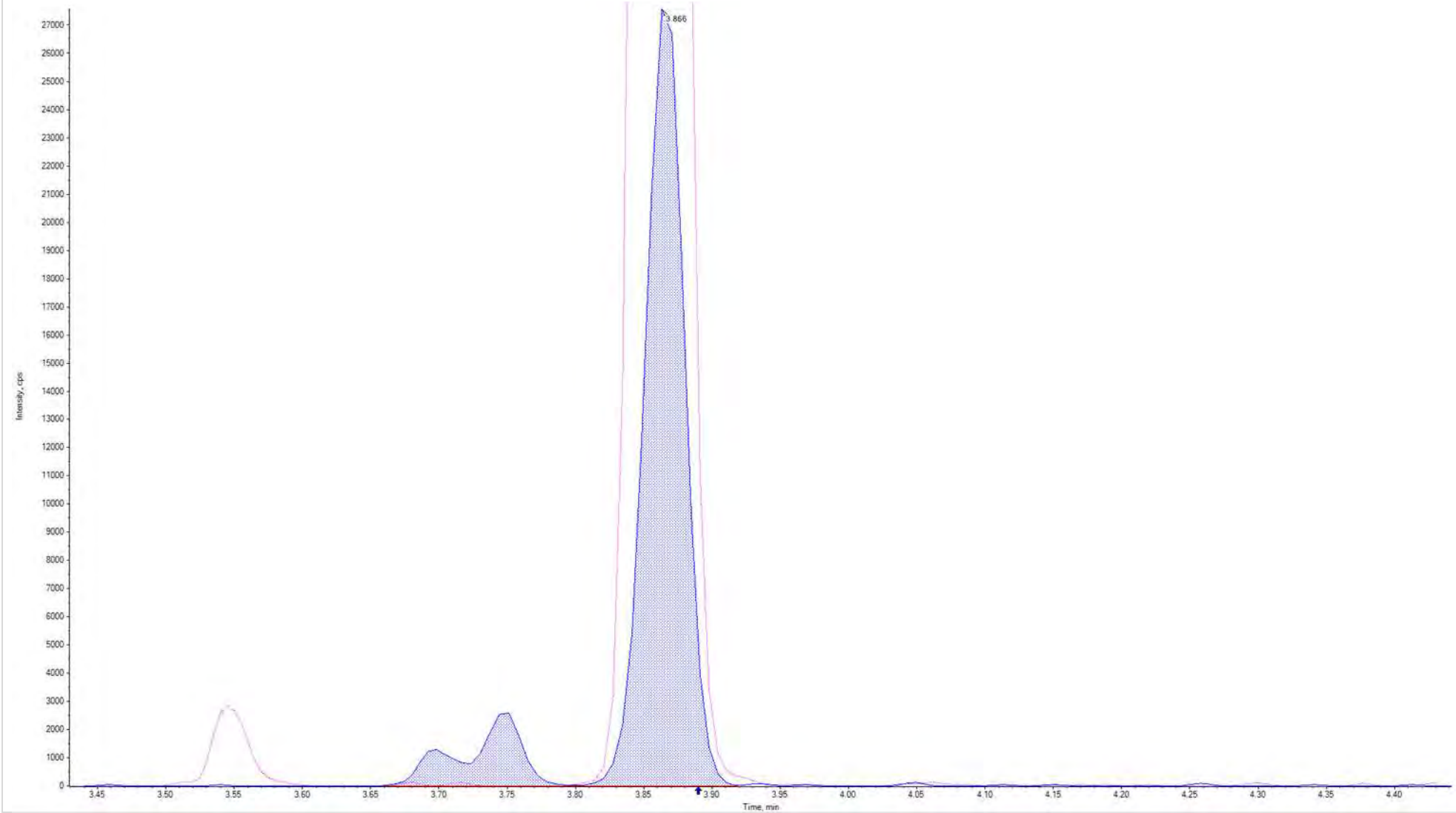
PFOS_2
Sample: WG2012727-3 S/N:552.8 Points Across peak:42



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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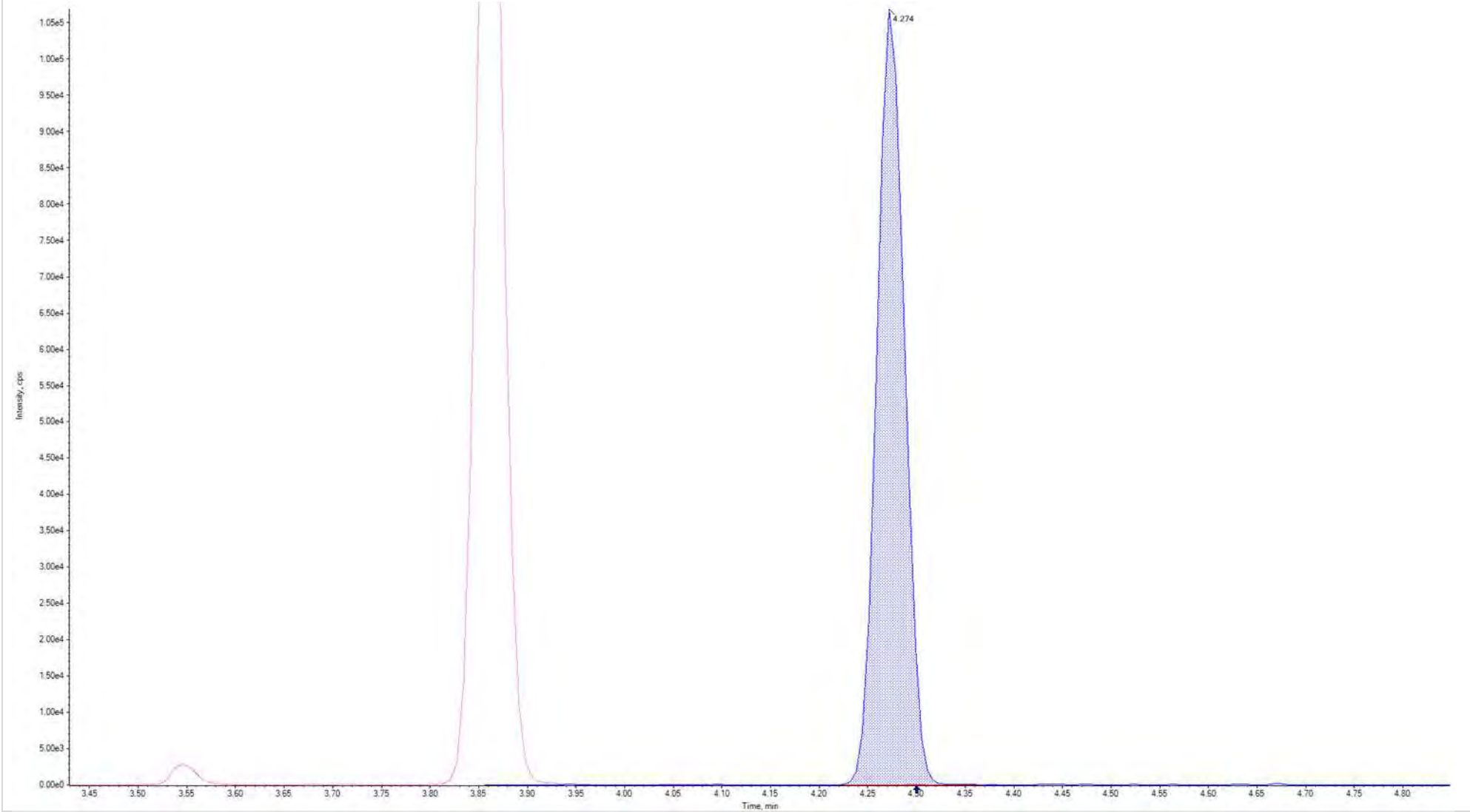
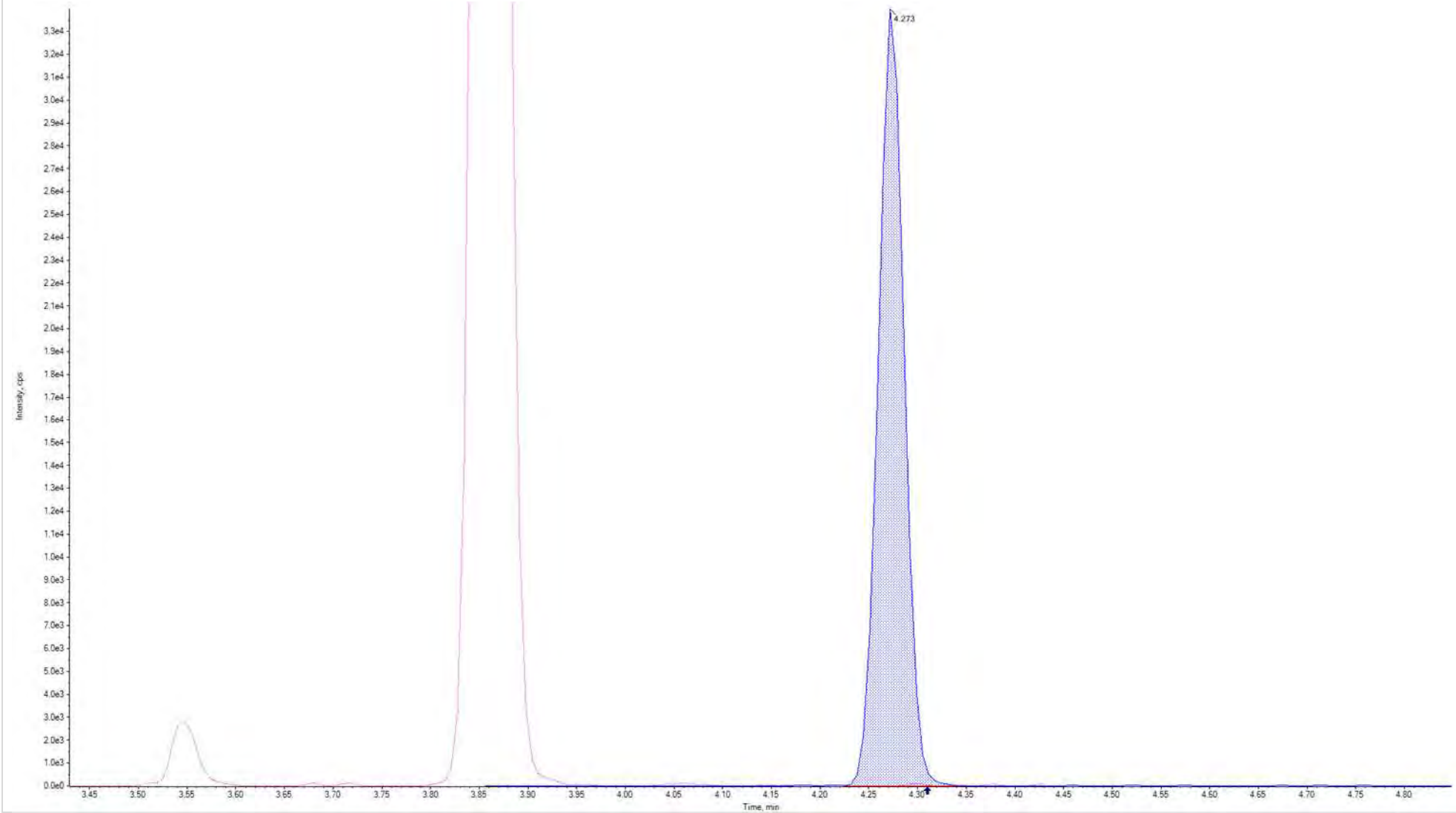
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFNS
Sample: WG2012727-3 S/N:2678.6 Points Across peak:27



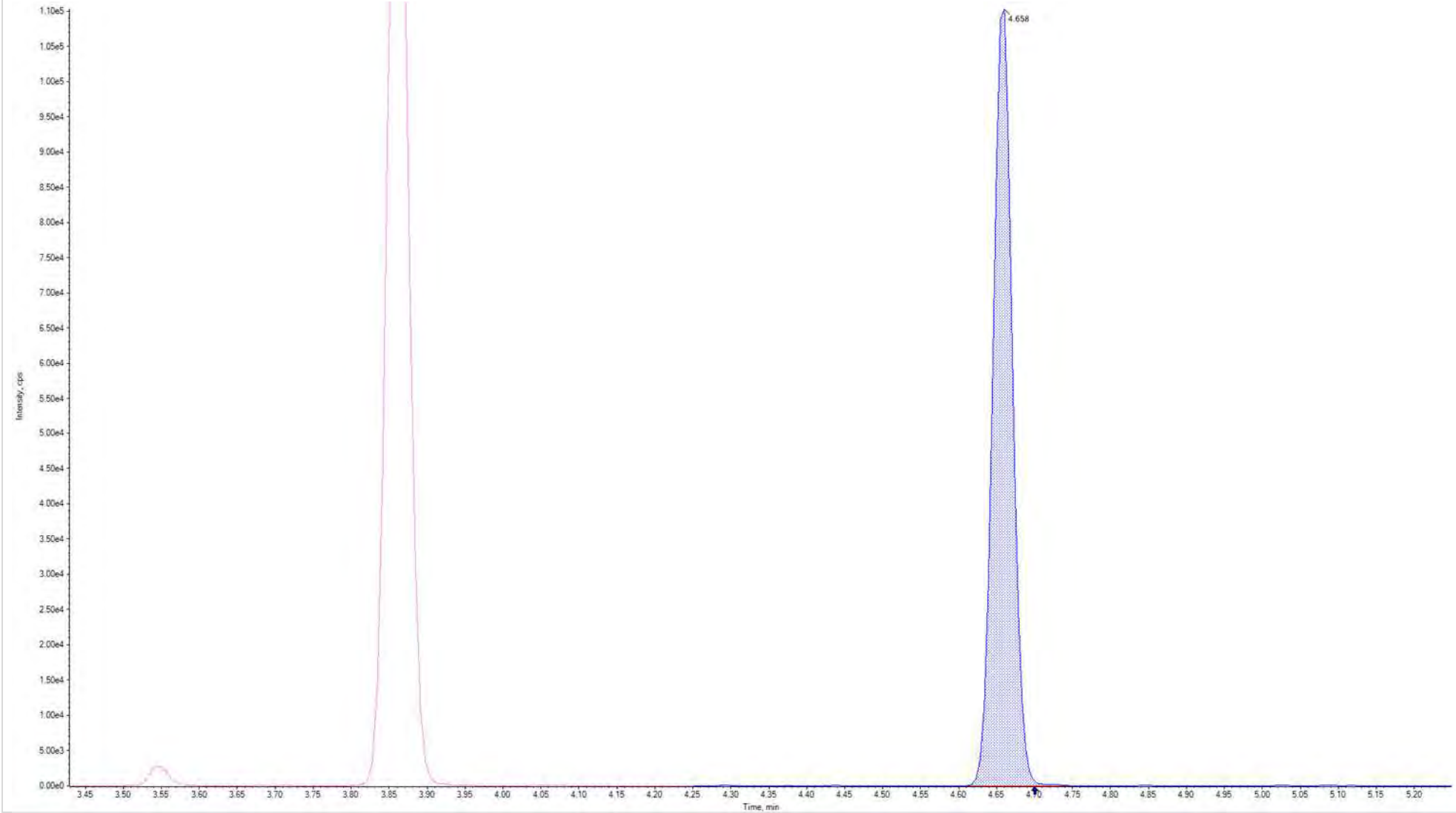
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_21.wiff2_6
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFNS_2
Sample: WG2012727-3 S/N:851.7 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_21.wiff2_6
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFDS
Sample: WG2012727-3 S/N:3465.0 Points Across peak:33



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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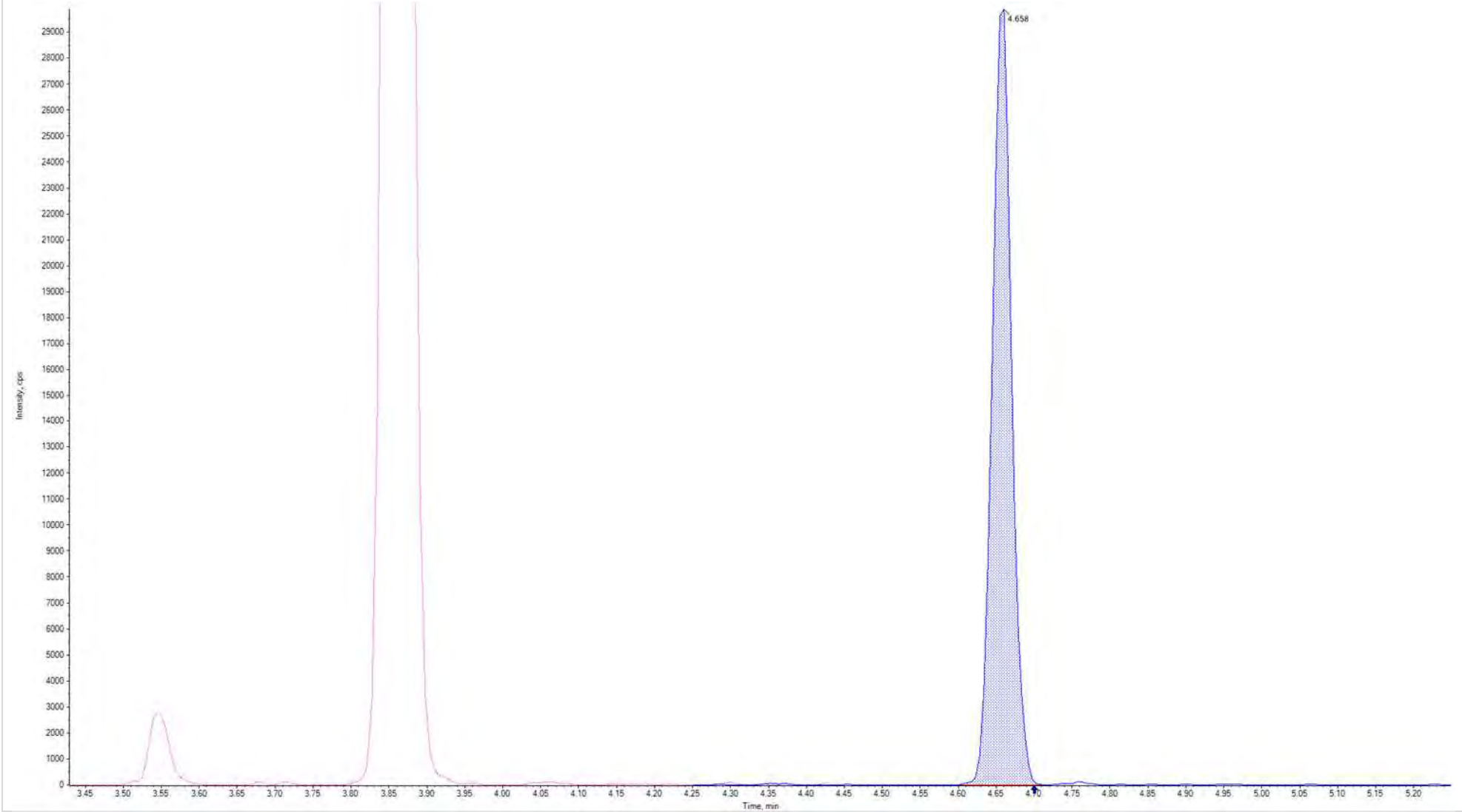
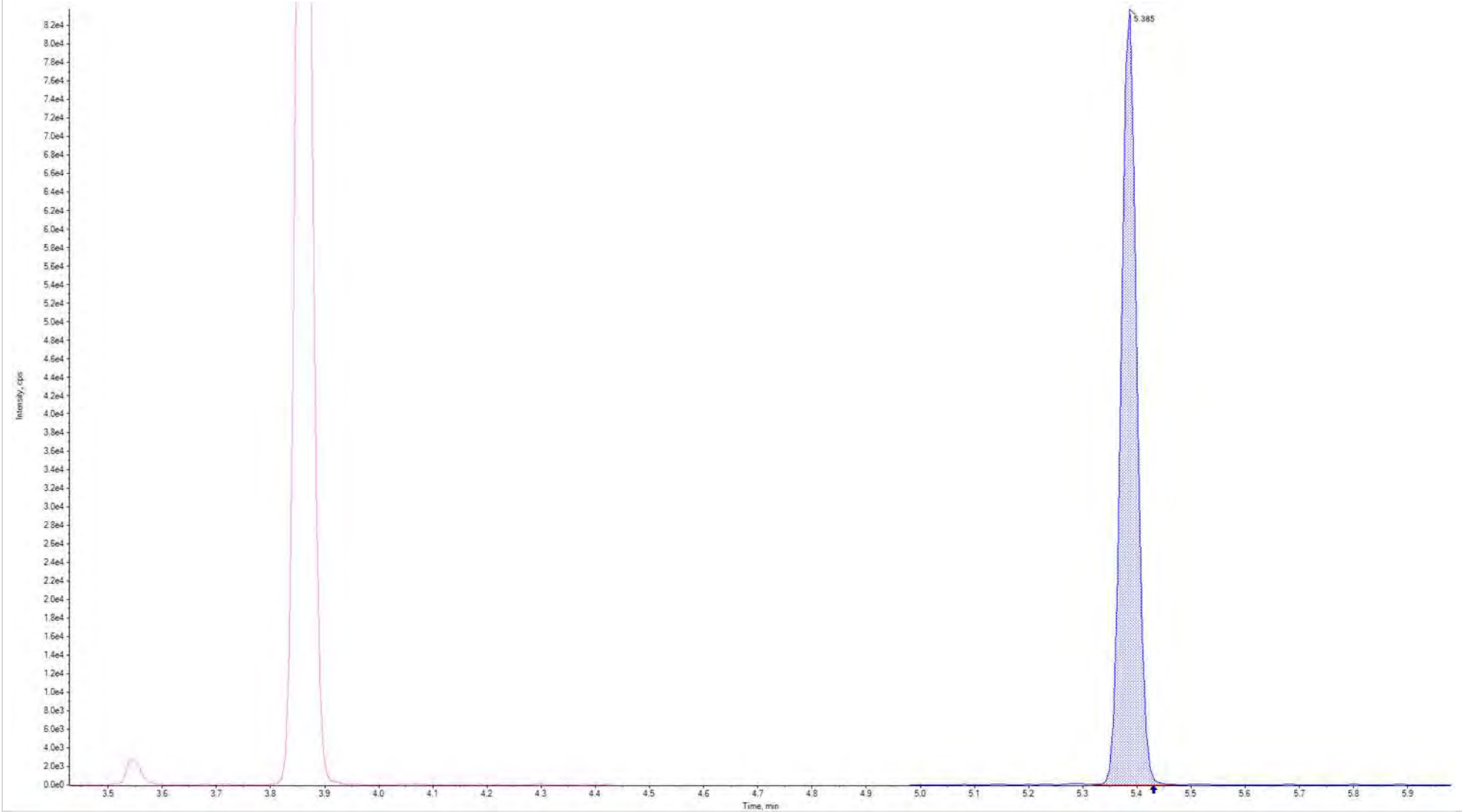
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFDS_2
Sample: WG2012727-3 S/N:1048.8 Points Across peak:27



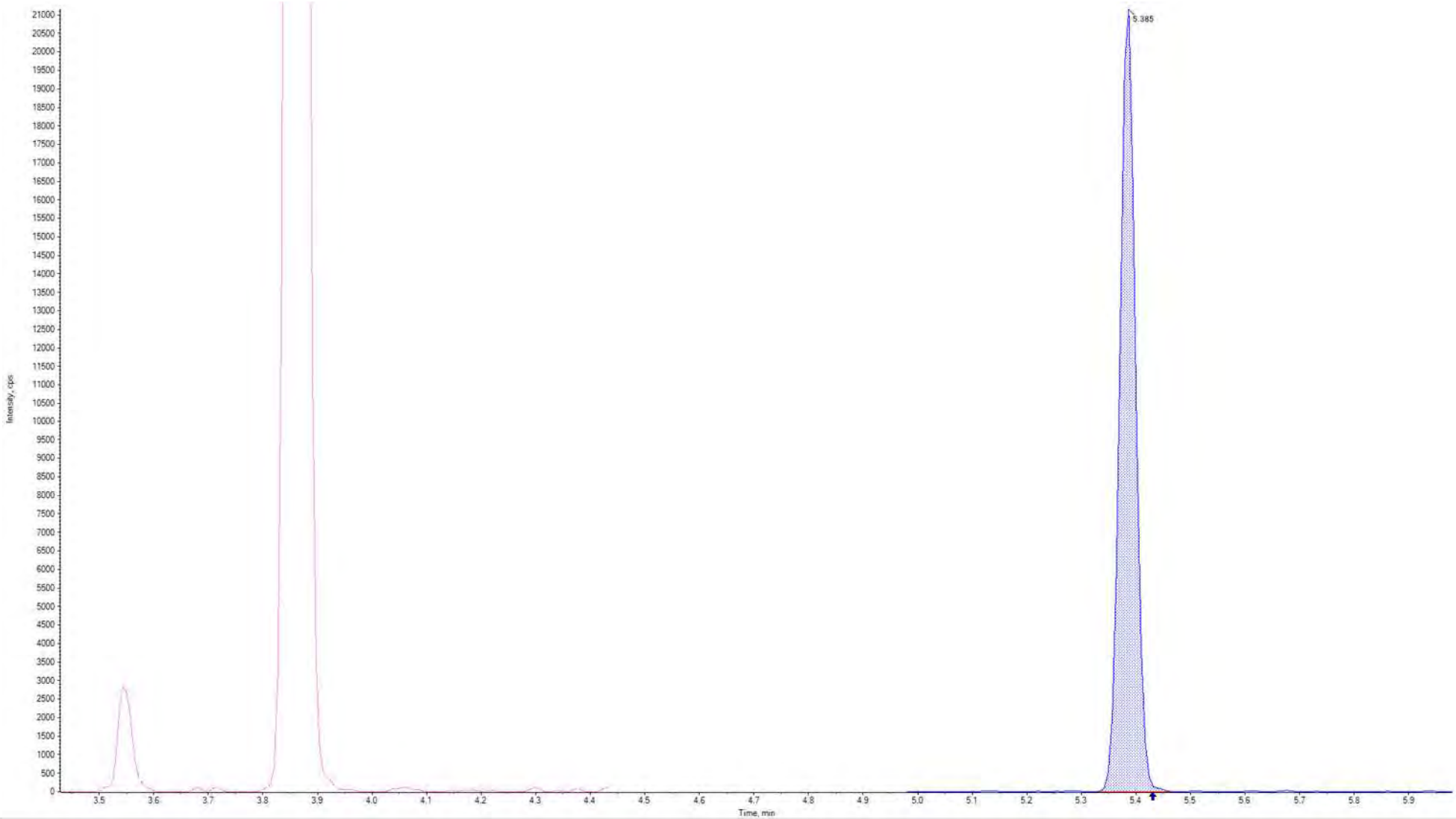
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_21.wiff2_6
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFDoS
Sample: WG2012727-3 S/N:6506.3 Points Across peak:22



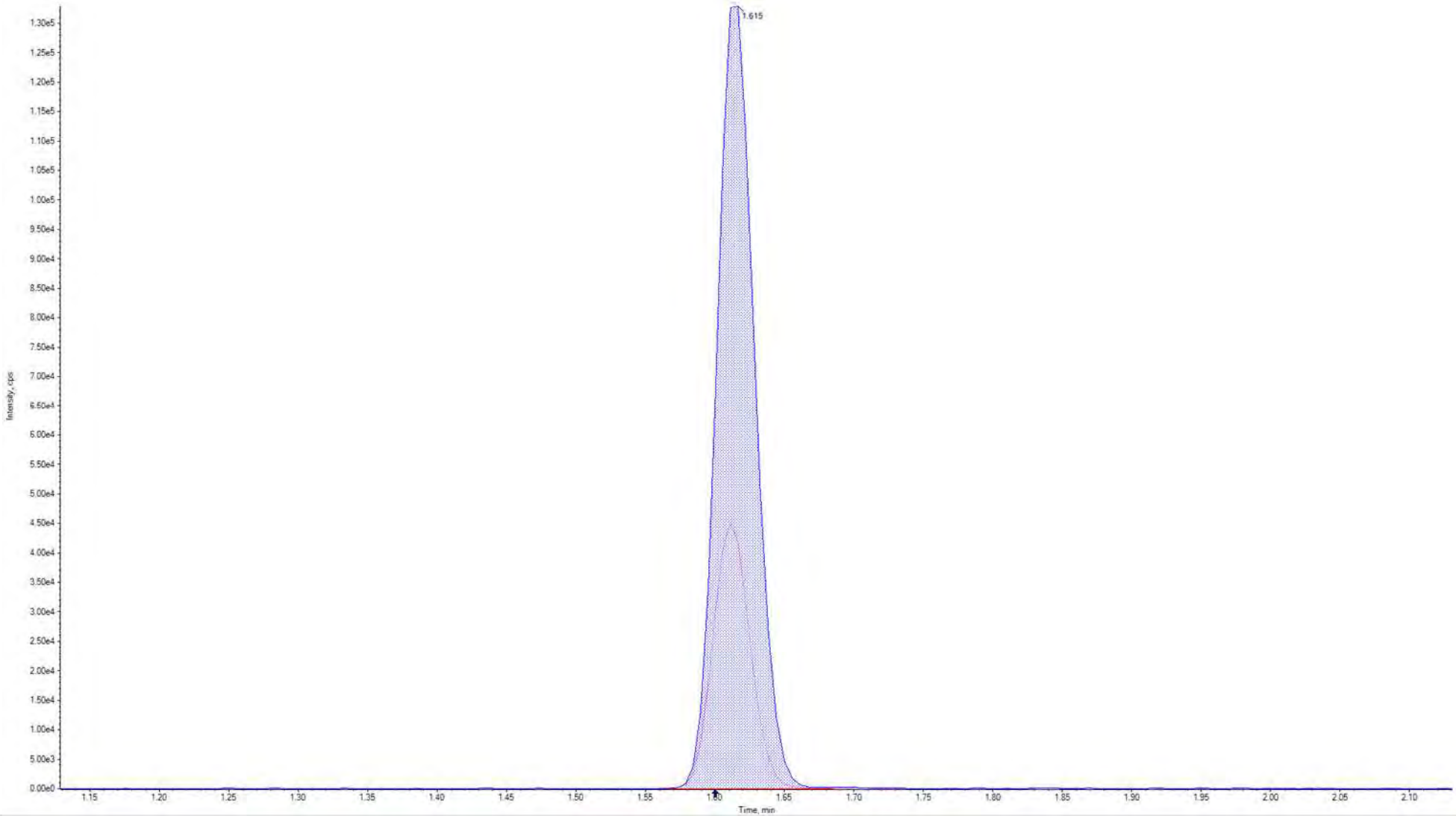
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_21.wiff2_6
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFDoS_2
Sample: WG2012727-3 S/N:1643.8 Points Across peak:22



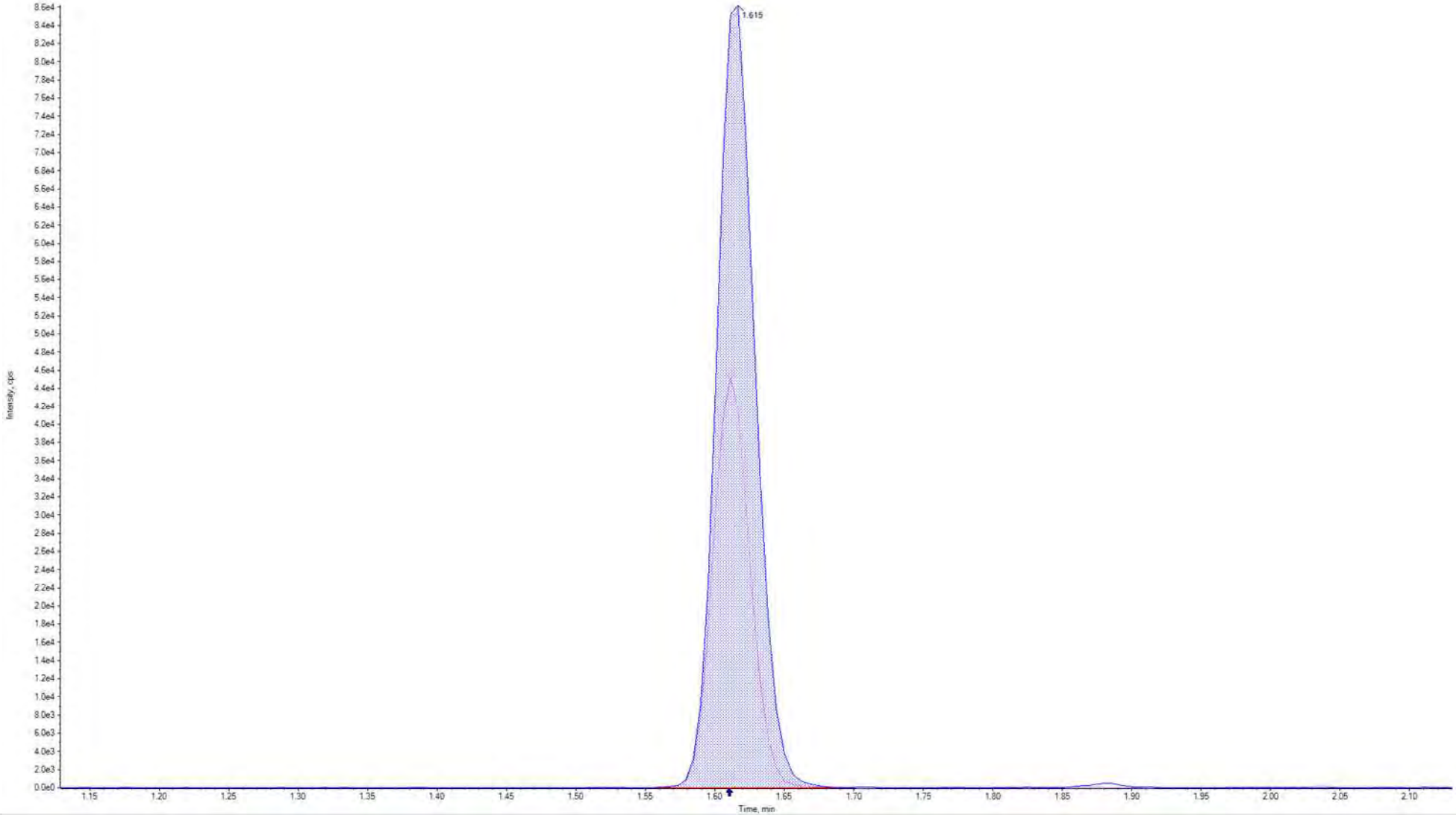
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_21.wiff2_6
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

4:2FTS
Sample: WG2012727-3 S/N:3782.8 Points Across peak:23



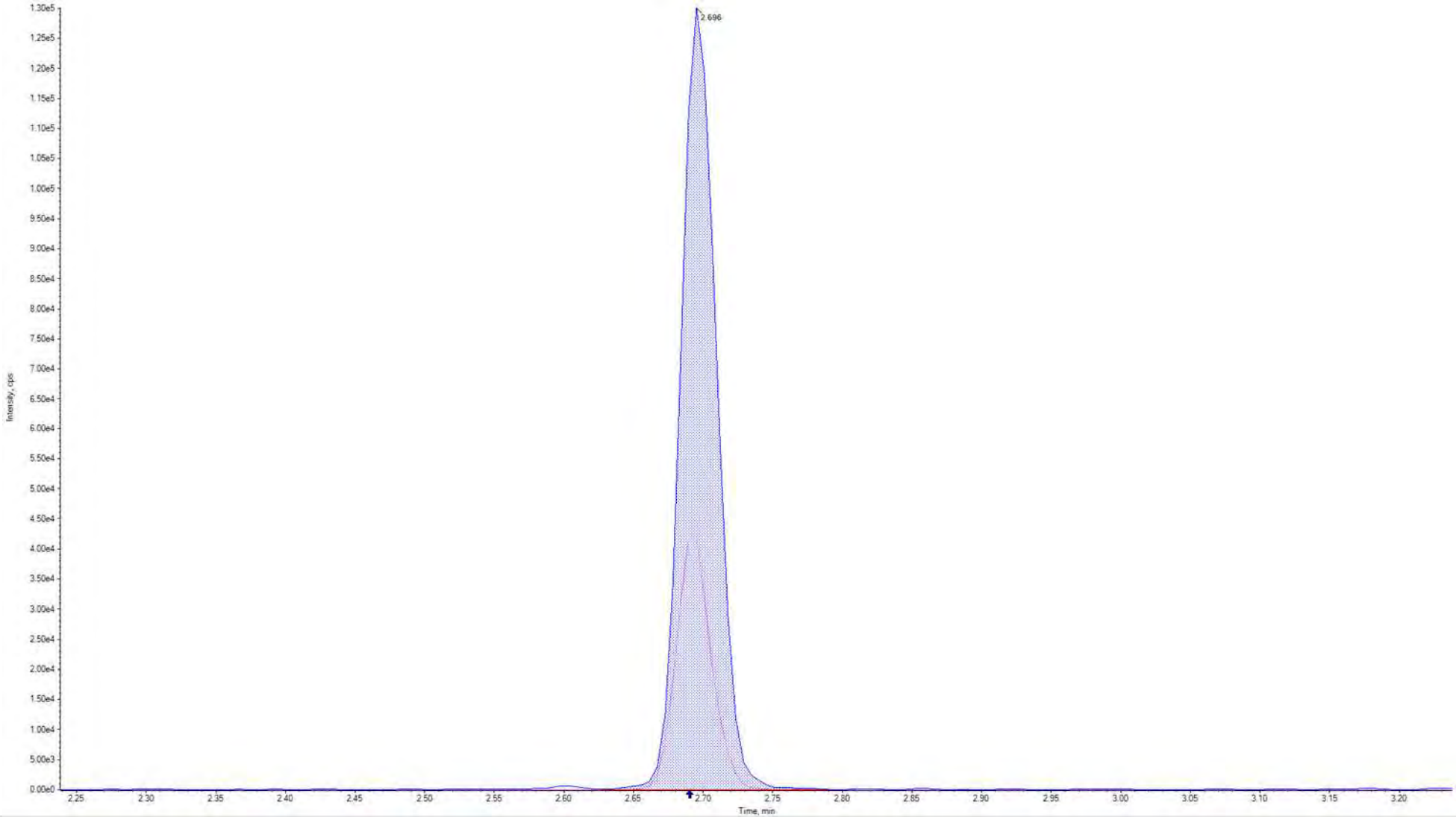
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_21.wiff2_6
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

4:2FTS_2
Sample: WG2012727-3 S/N:3240.9 Points Across peak:26



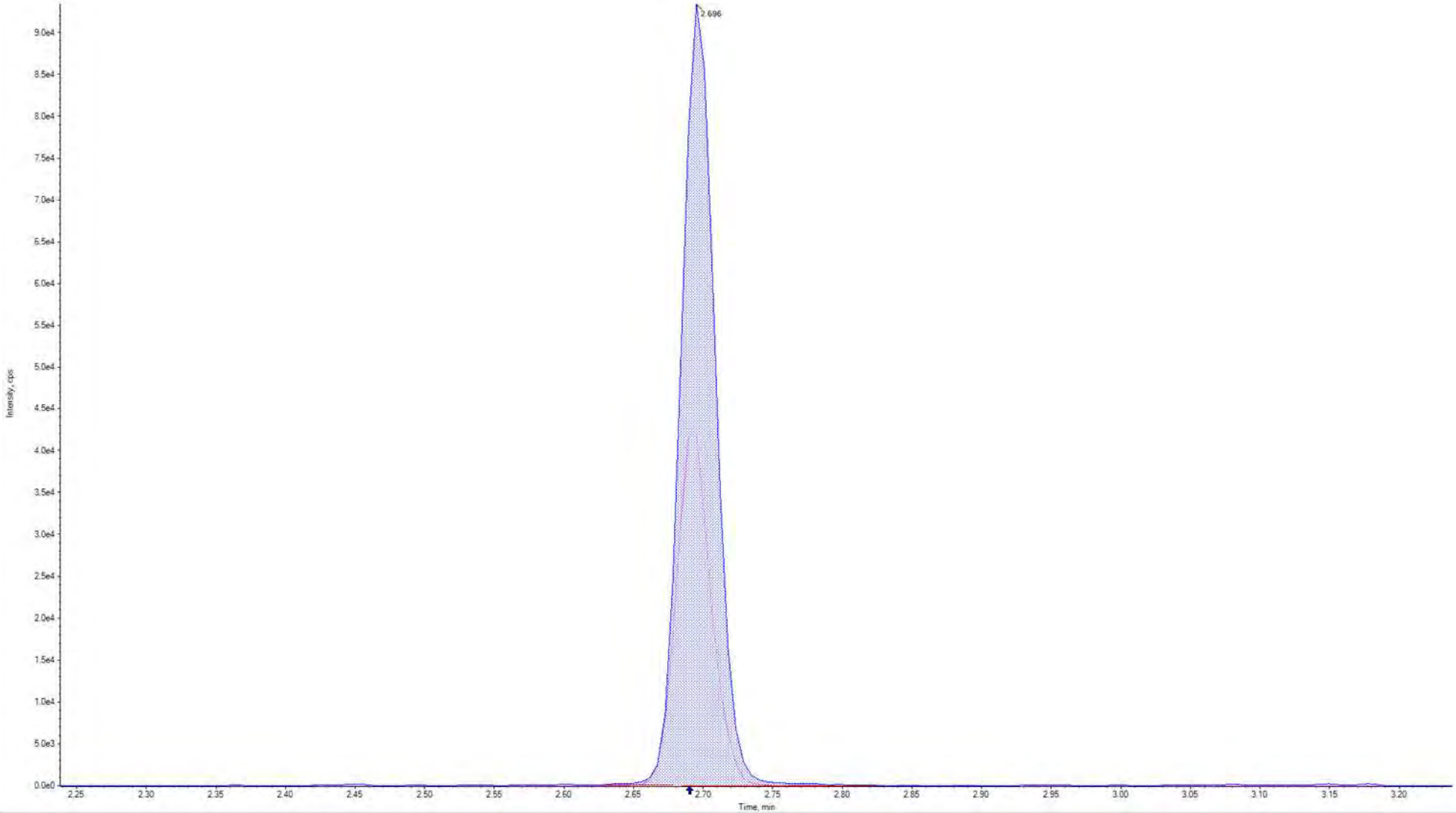
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_21.wiff2_6
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

6:2FTS
Sample: WG2012727-3 S/N:2607.9 Points Across peak:31



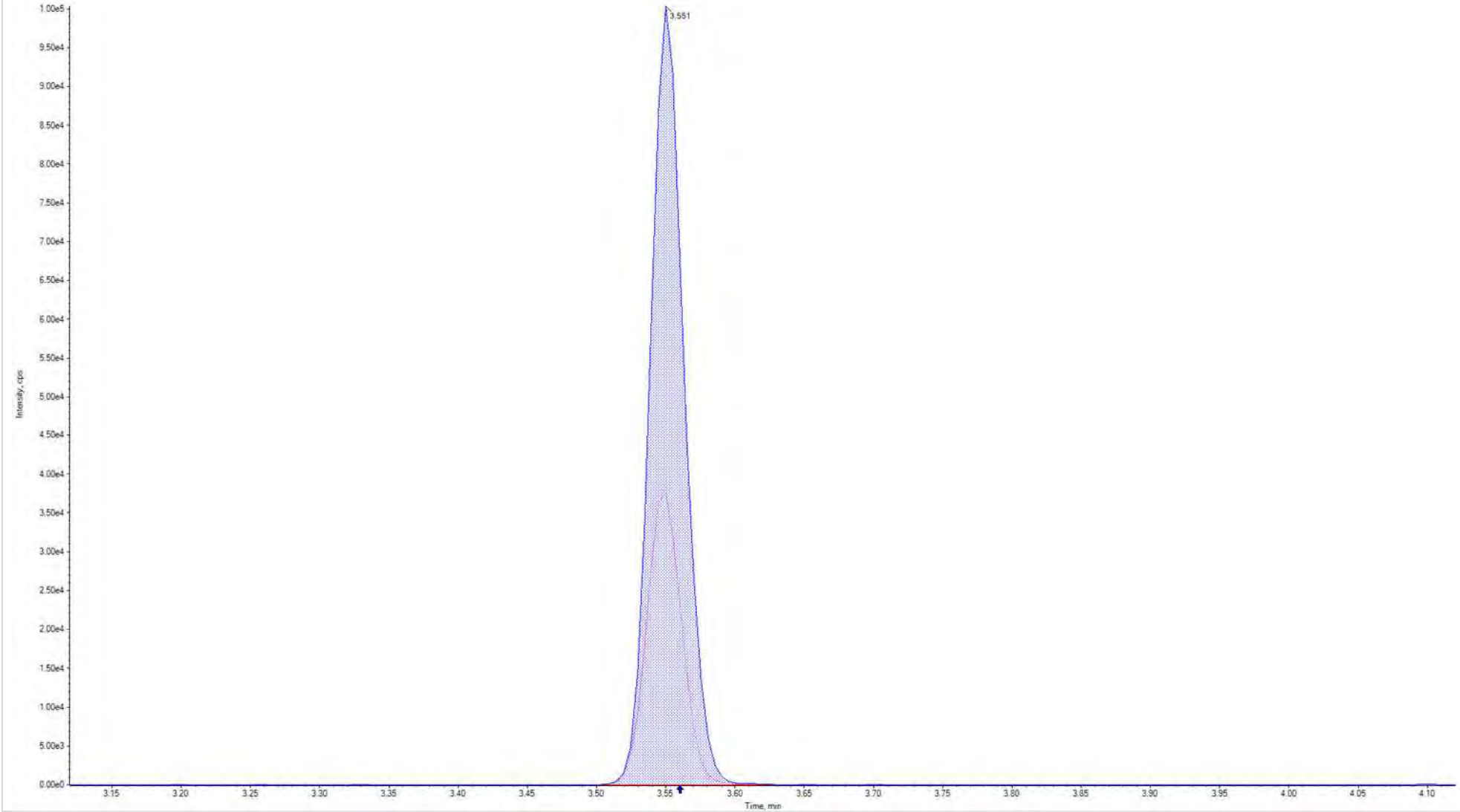
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_21.wiff2_6
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

6:2FTS_2
Sample: WG2012727-3 S/N:1872.4 Points Across peak:39



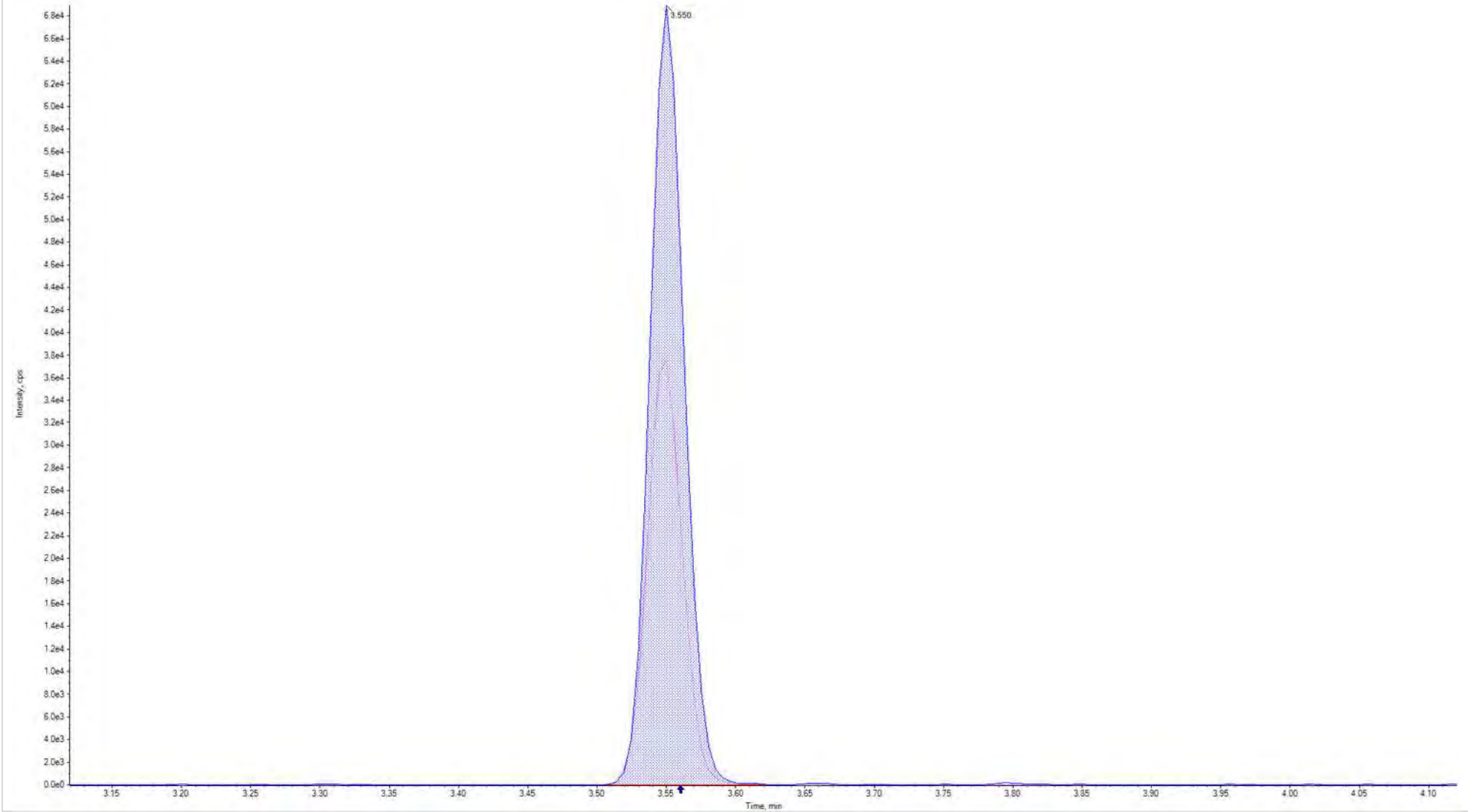
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_21.wiff2_6
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

8:2FTS
Sample: WG2012727-3 S/N:2012.2 Points Across peak:31



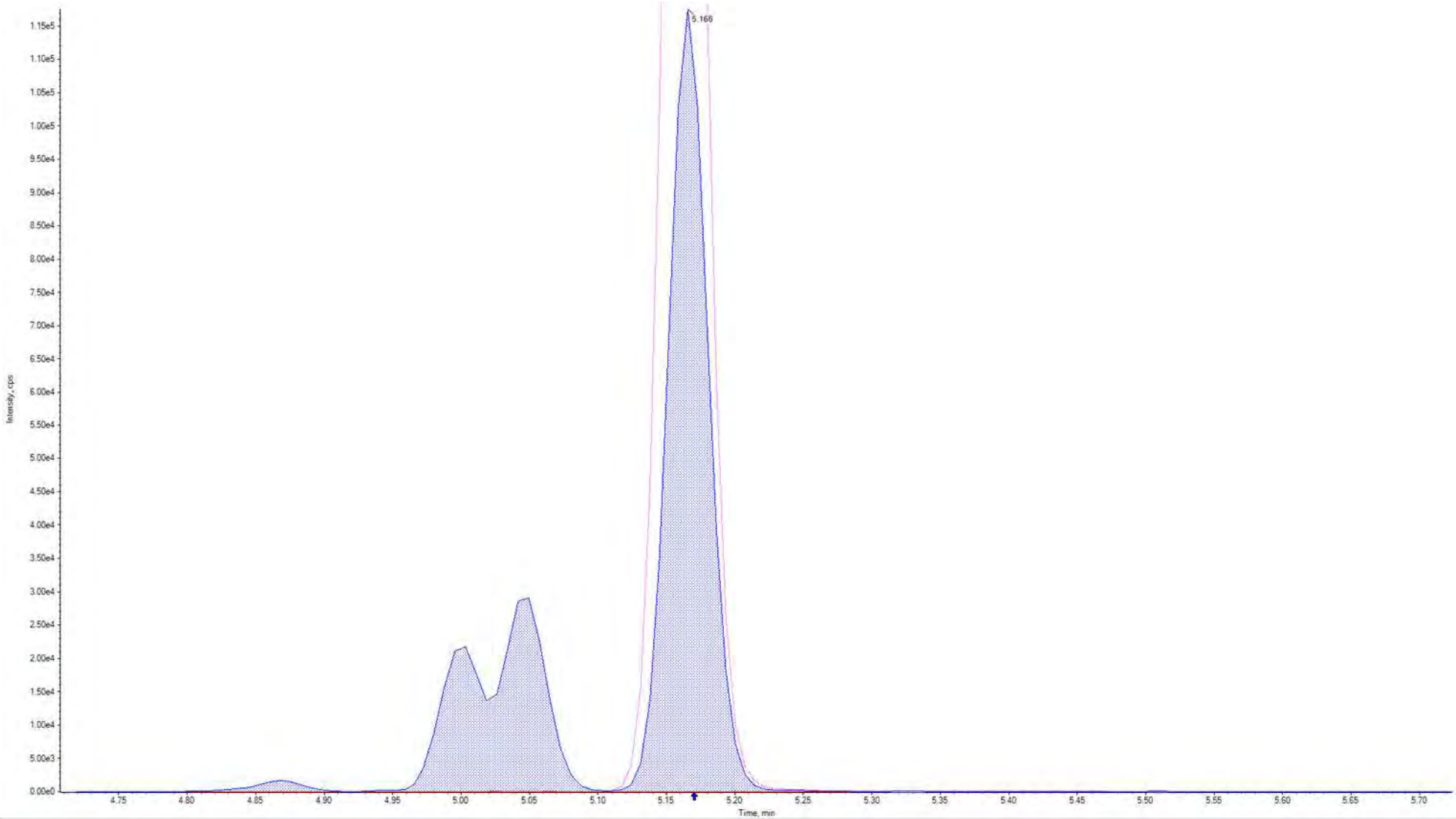
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_21.wiff2_6
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

8:2FTS_2
Sample: WG2012727-3 S/N:1382.2 Points Across peak:32



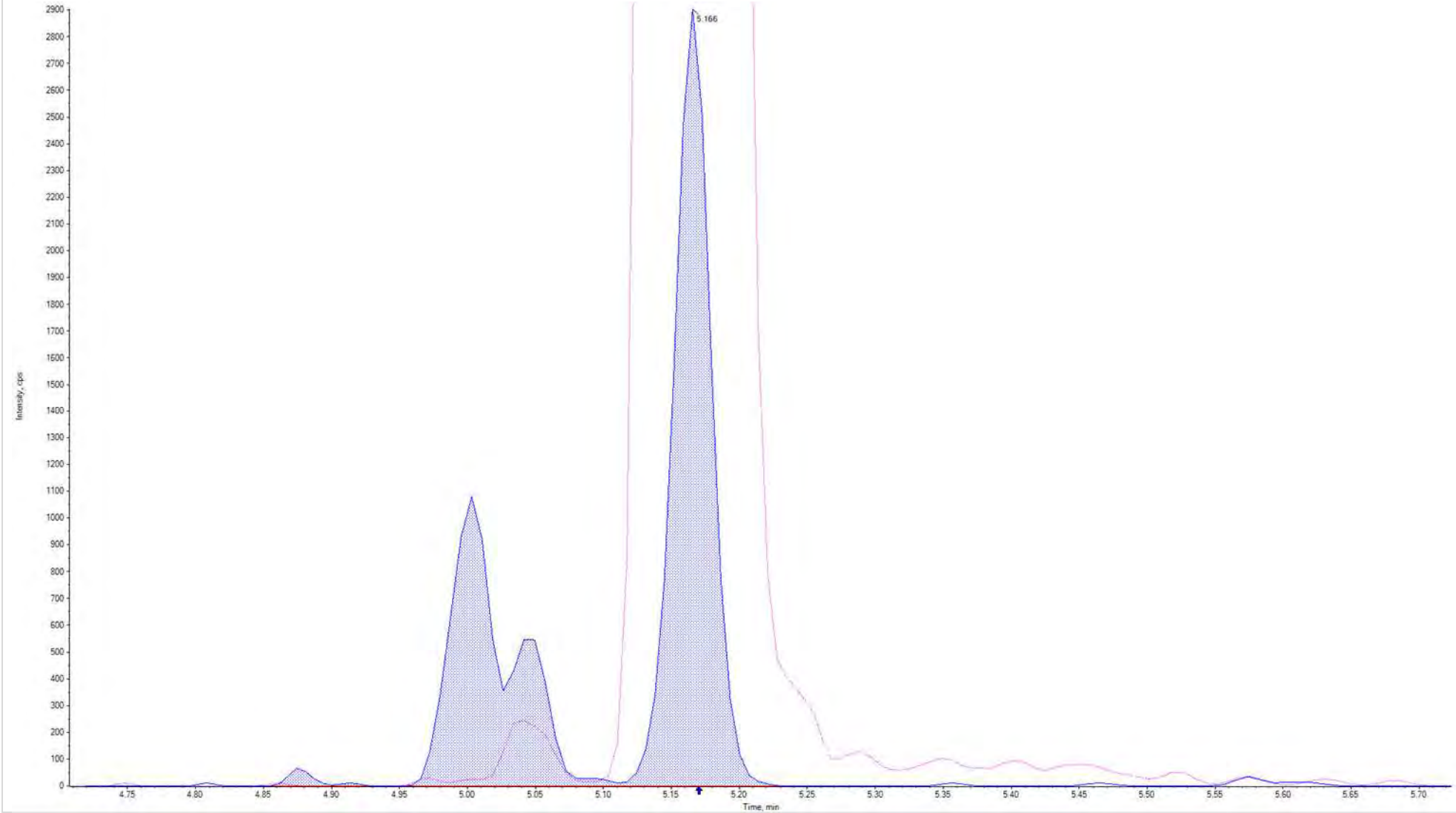
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_21.wiff2_6
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFOSA
Sample: WG2012727-3 S/N:343.0 Points Across peak:78



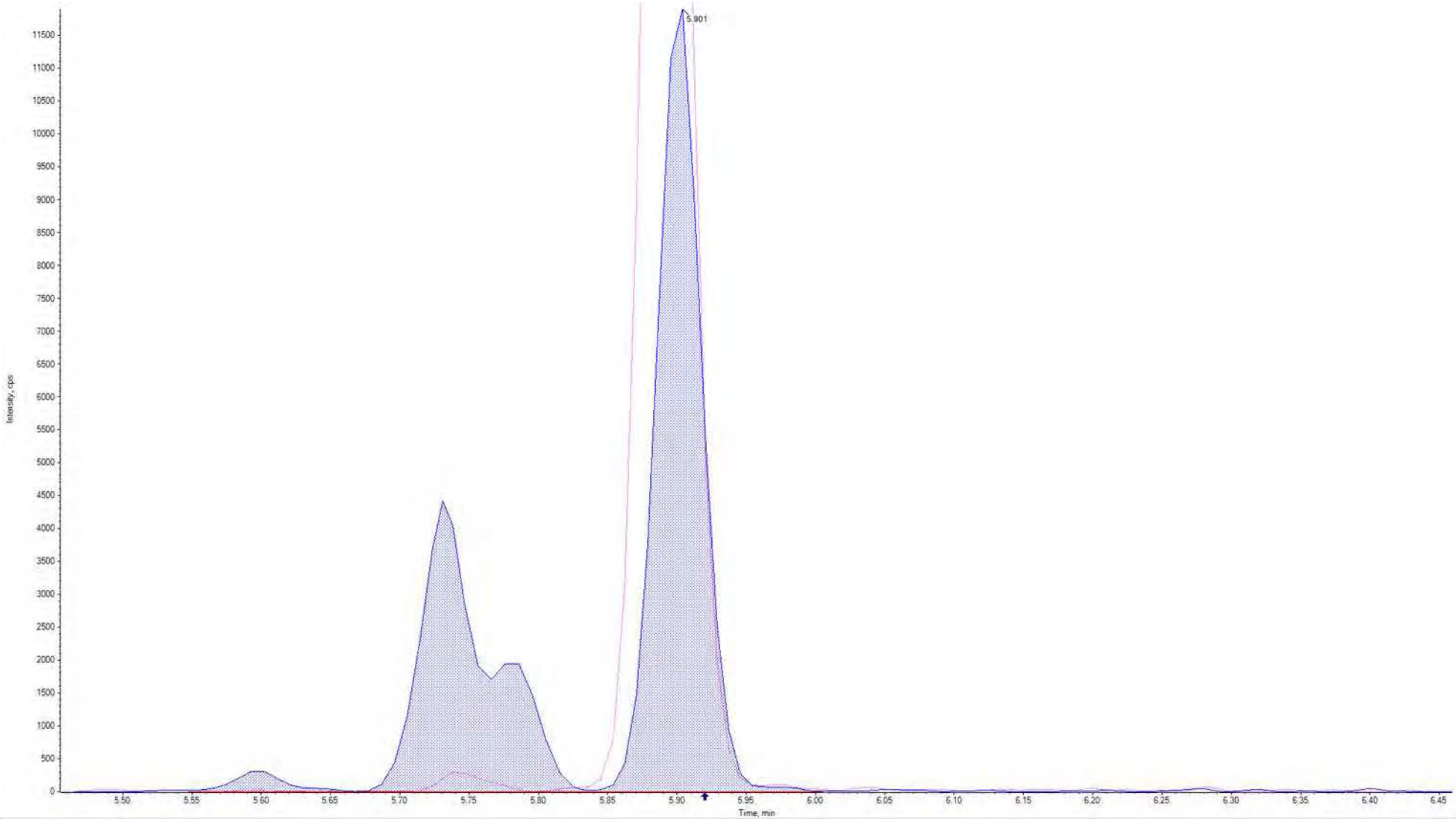
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_21.wiff2_6
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFOSA_2
Sample: WG2012727-3 S/N:254.7 Points Across peak:57



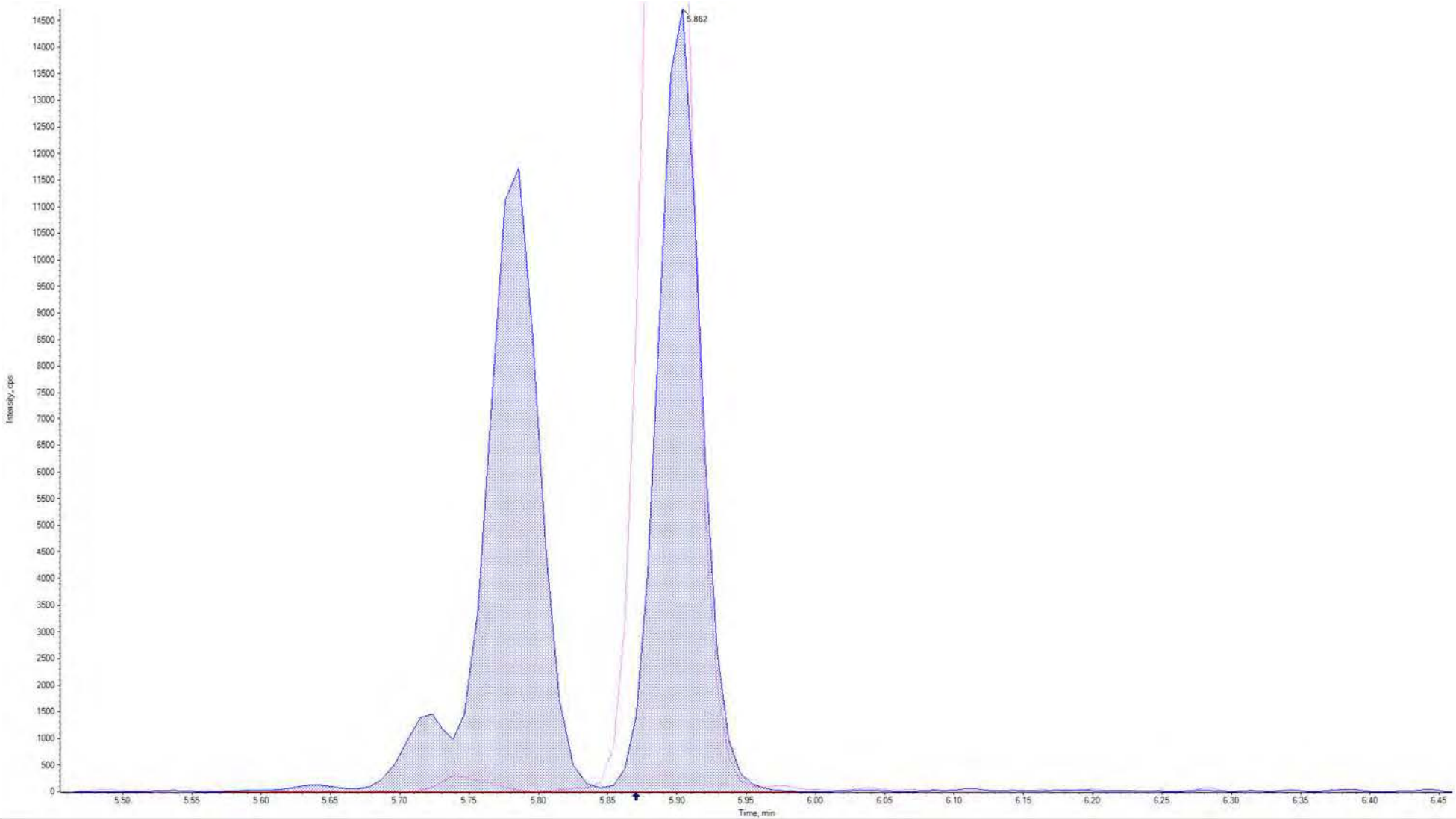
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_21.wiff2_6
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

NMeFOSA
Sample: WG2012727-3 S/N:269.6 Points Across peak:53



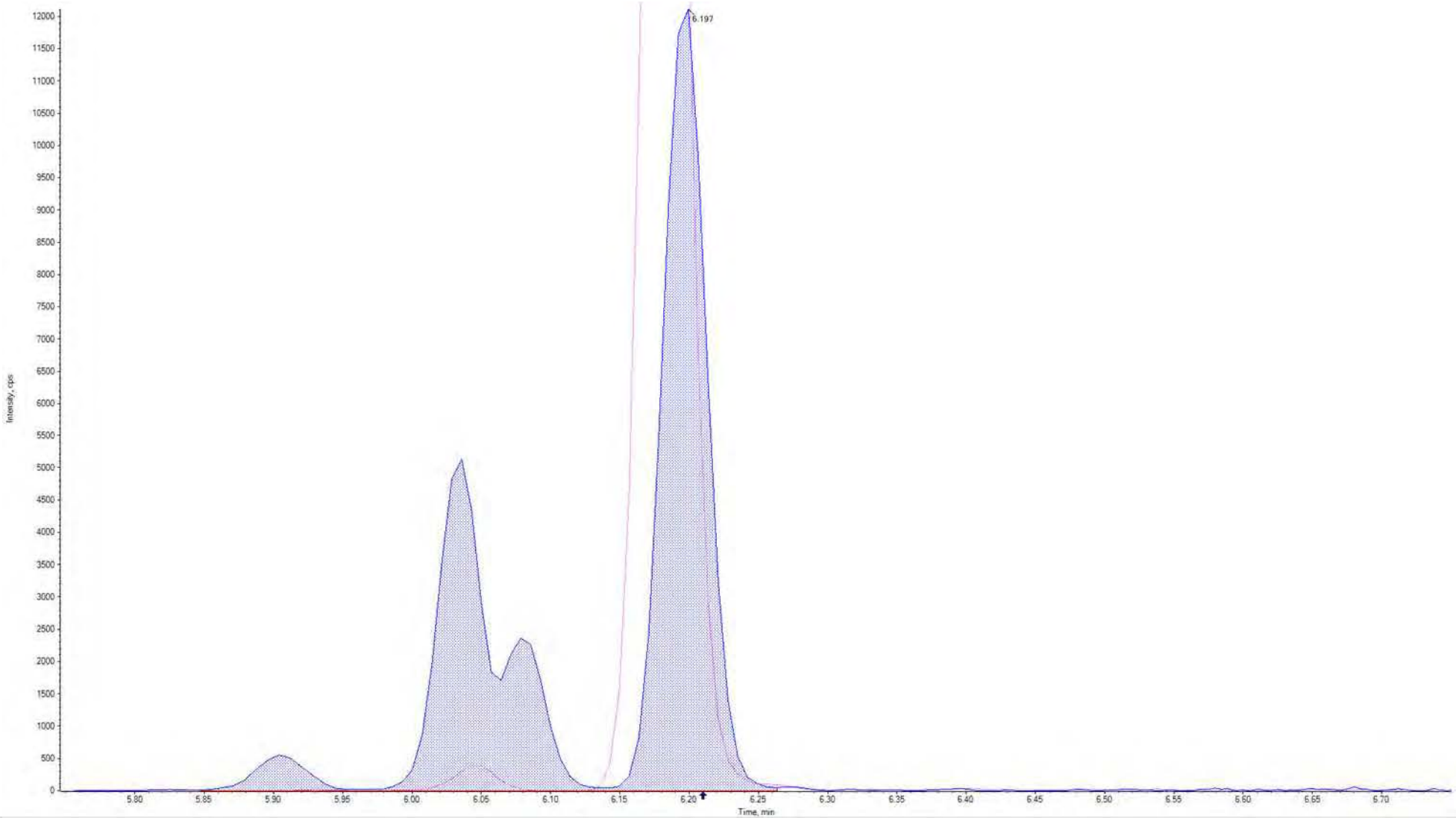
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_21.wiff2_6
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

NMeFOSA_2
Sample: WG2012727-3 S/N:276.9 Points Across peak:50

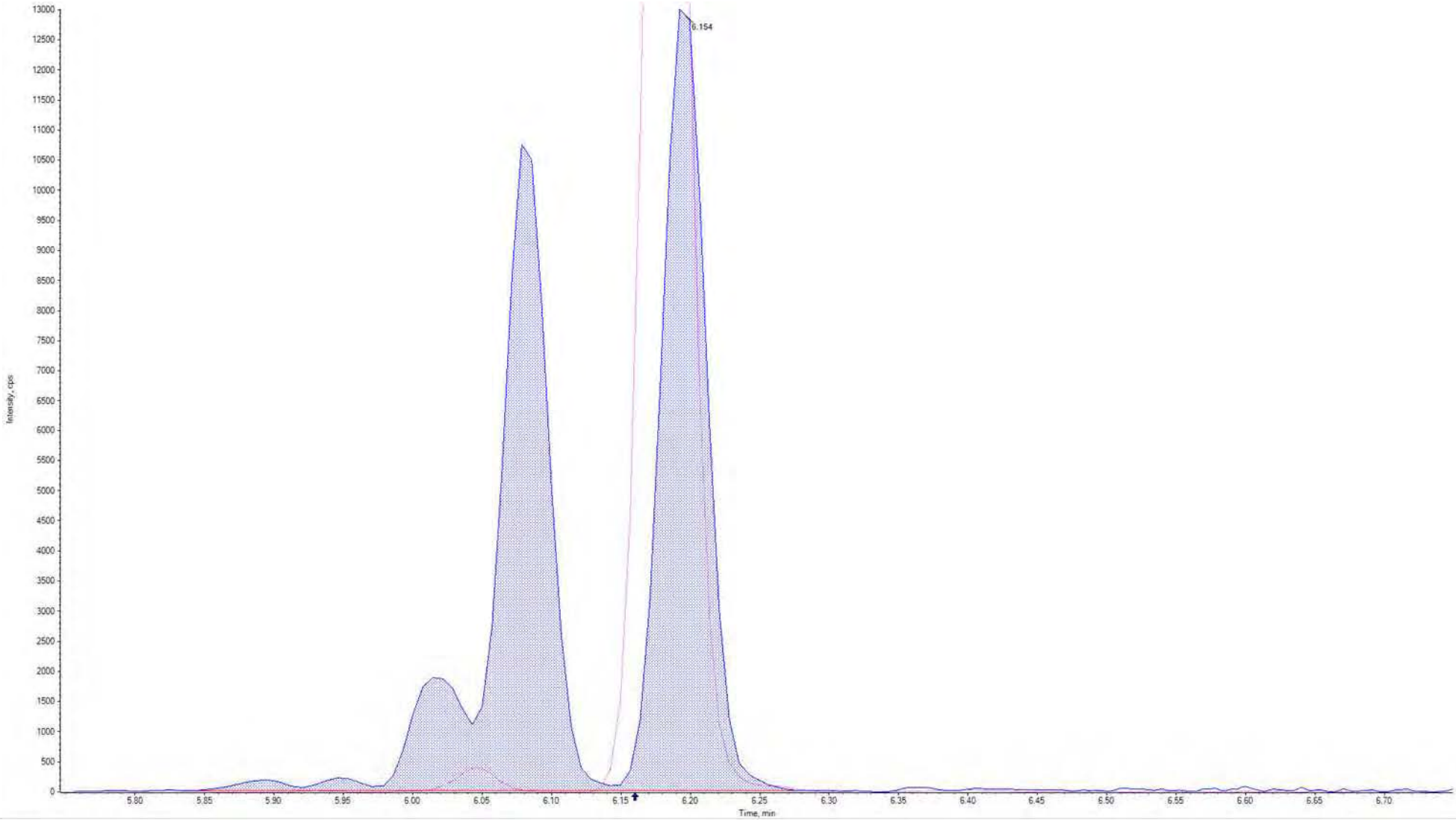


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_21.wiff2_6
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

NEtFOSA
Sample: WG2012727-3 S/N:519.7 Points Across peak:57

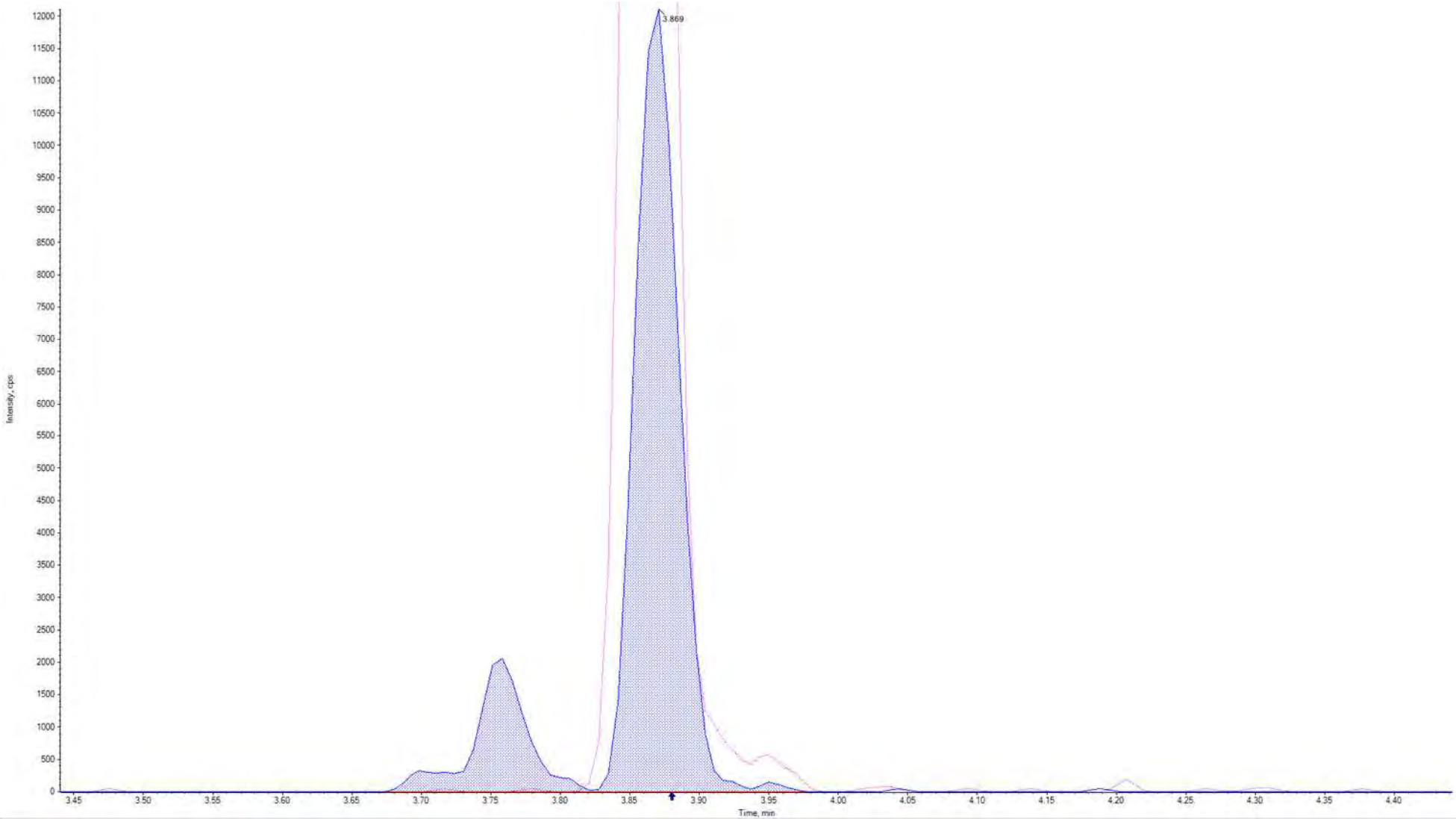


NEtFOSA_2
Sample: WG2012727-3 S/N:381.5 Points Across peak:60



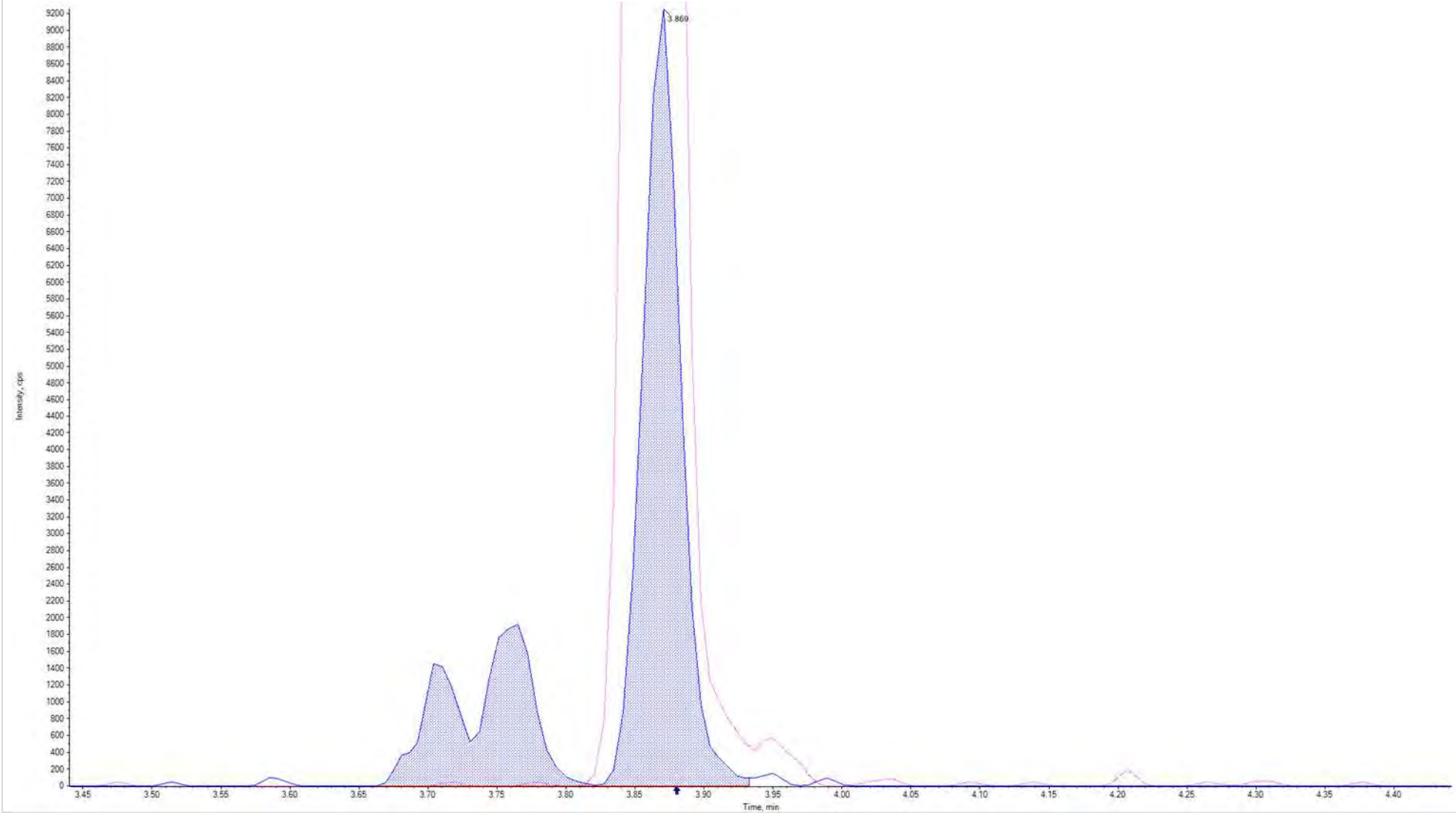
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_21.wiff2_6
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

NMeFOSAA
Sample: WG2012727-3 S/N:242.8 Points Across peak:56



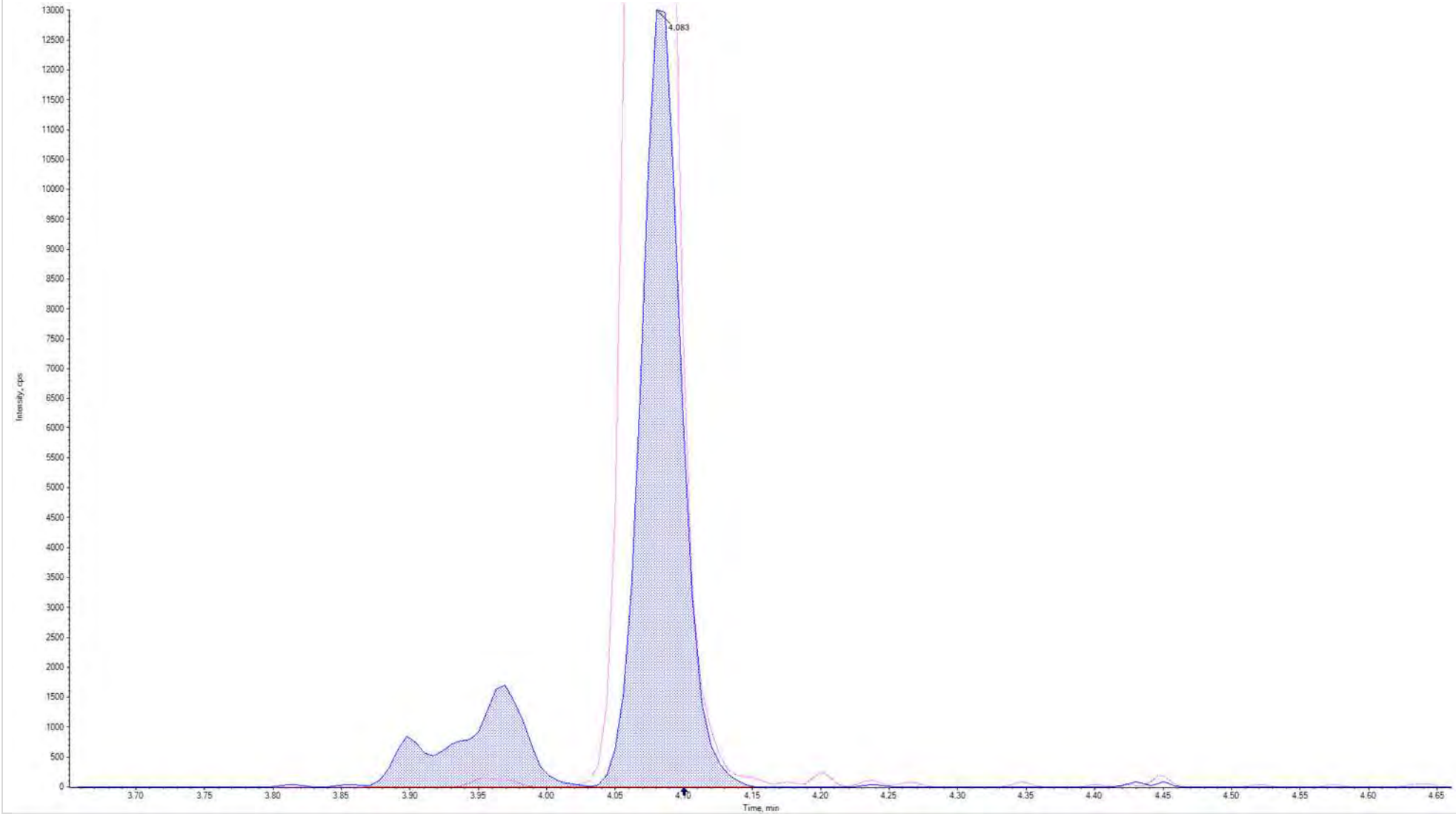
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_21.wiff2_6
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

NMeFOSAA_2
Sample: WG2012727-3 S/N:185.5 Points Across peak:43



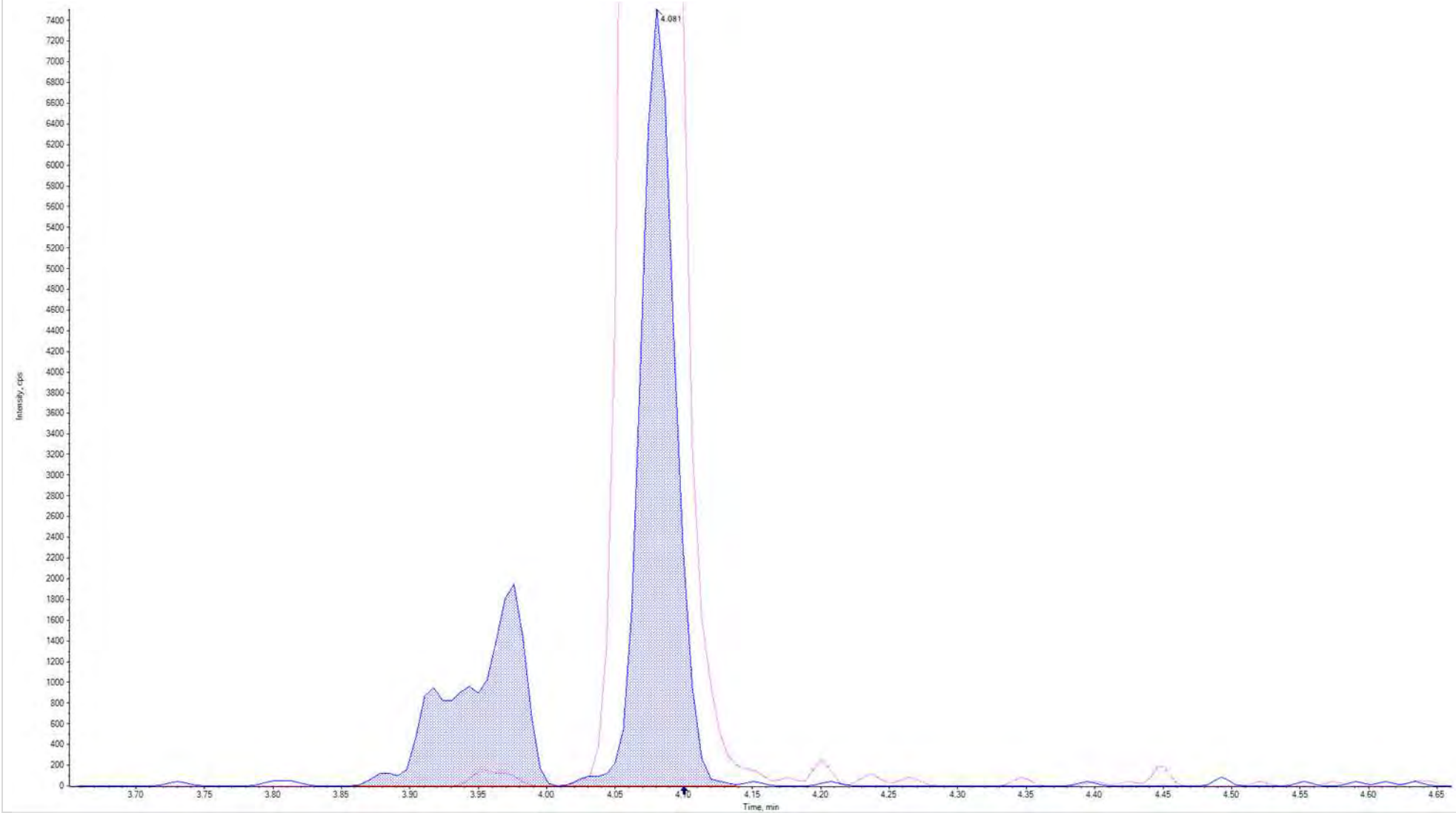
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_21.wiff2_6
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

NEtFOSAA
Sample: WG2012727-3 S/N:293.4 Points Across peak:47



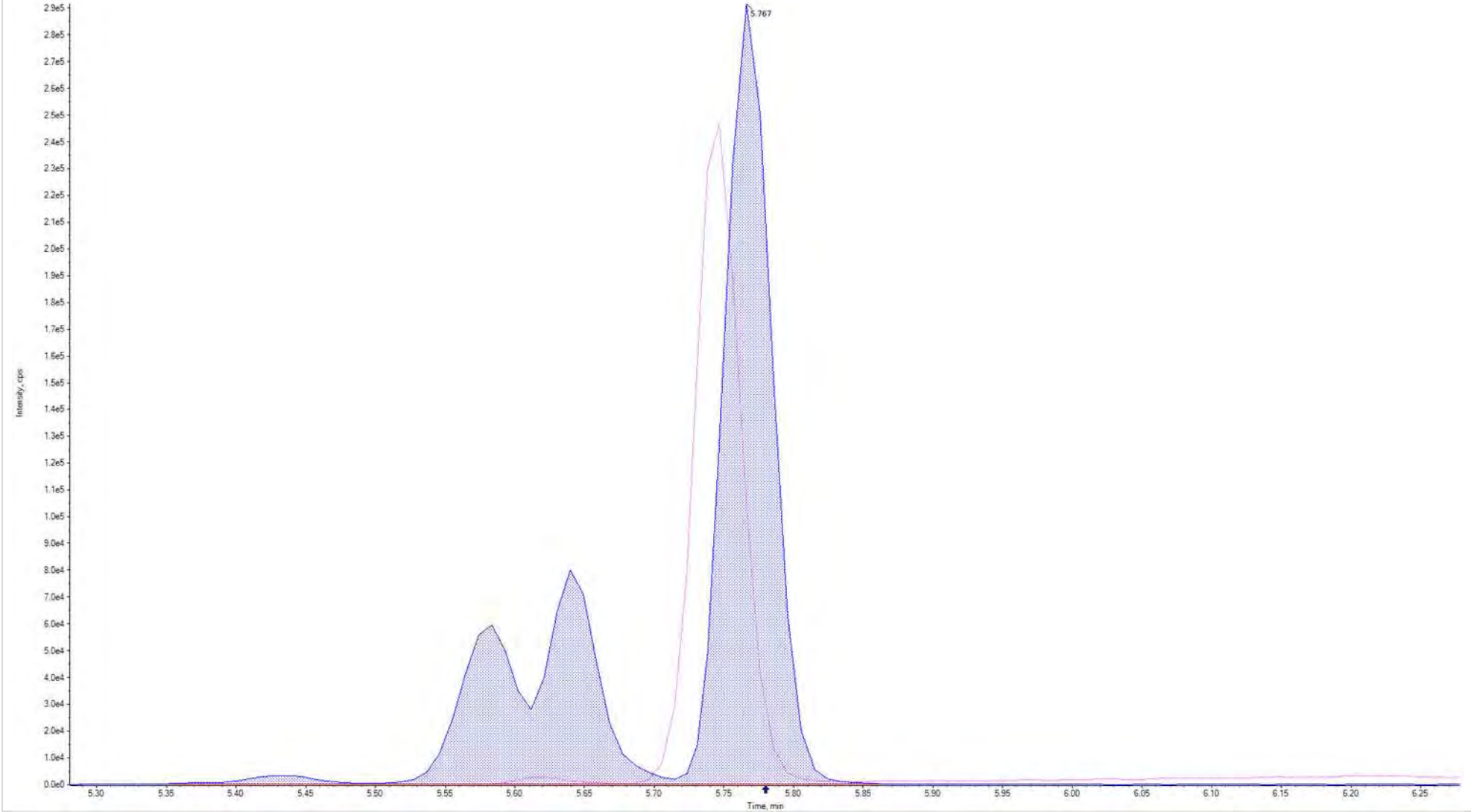
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_21.wiff2_6
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

NEtFOSAA_2
Sample: WG2012727-3 S/N:169.4 Points Across peak:45



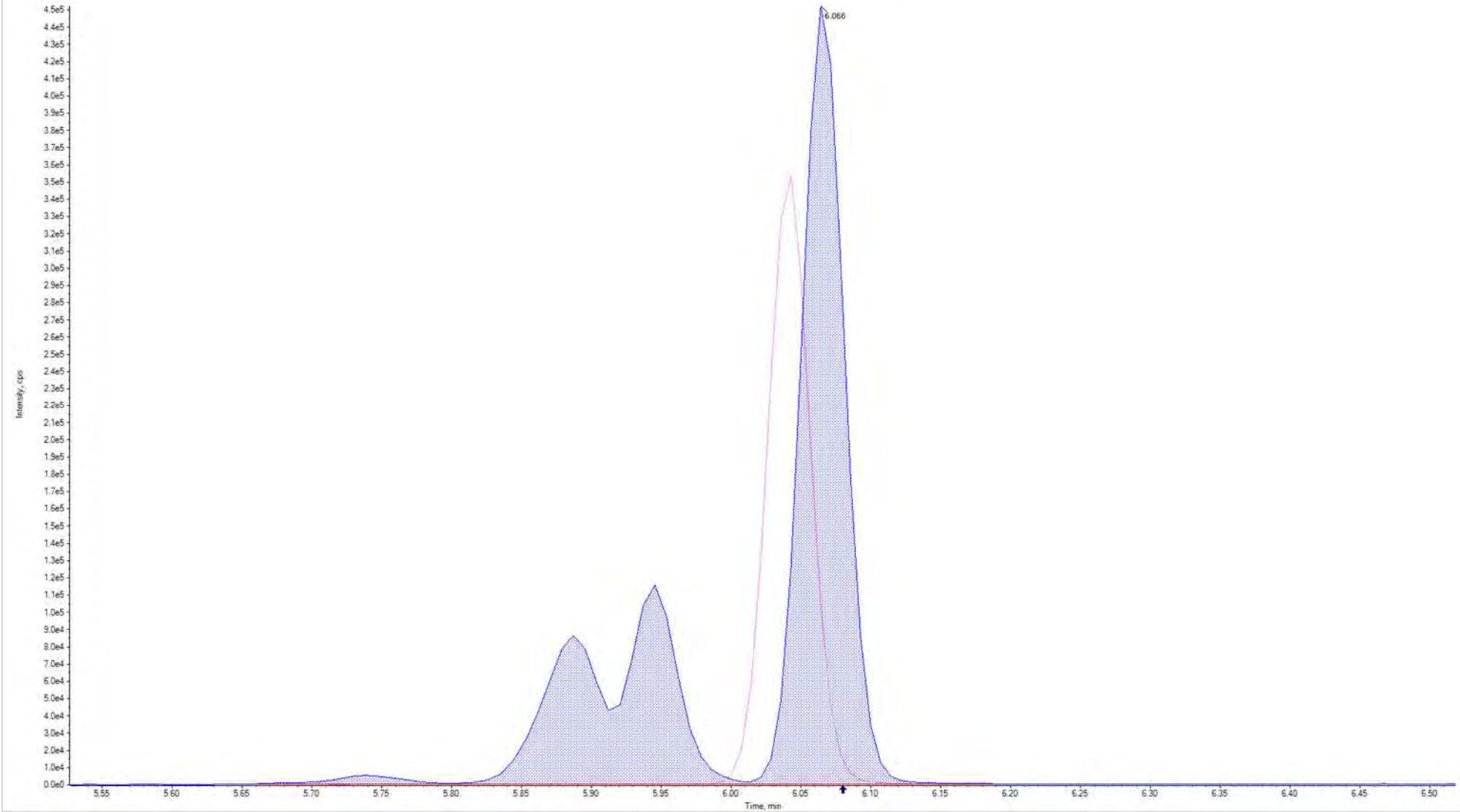
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_21.wiff2_6
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

NMeFOSE
Sample: WG2012727-3 S/N:234.0 Points Across peak:63



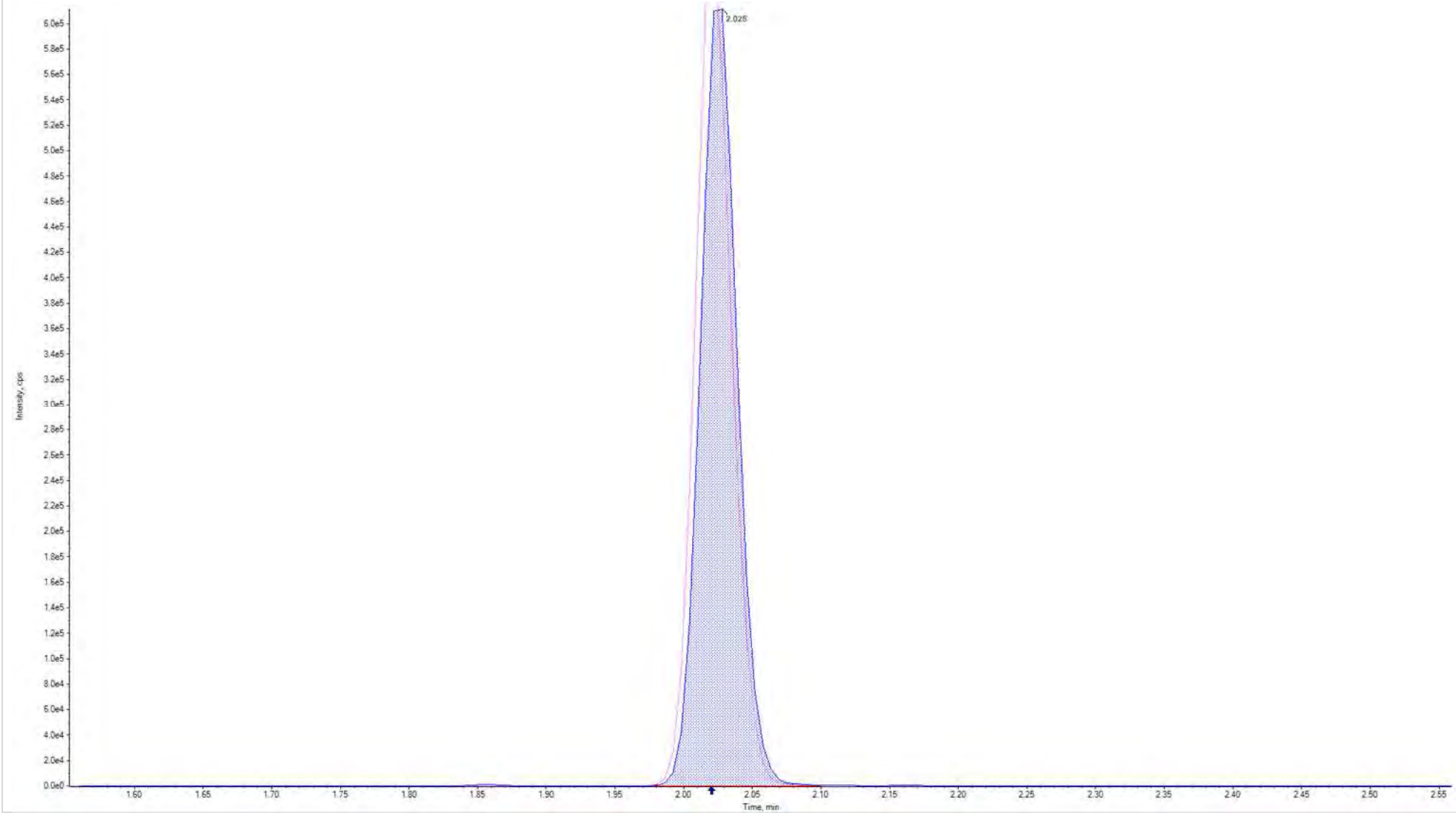
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_21.wiff2_6
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

NEtFOSE
Sample: WG2012727-3 S/N:276.4 Points Across peak:71



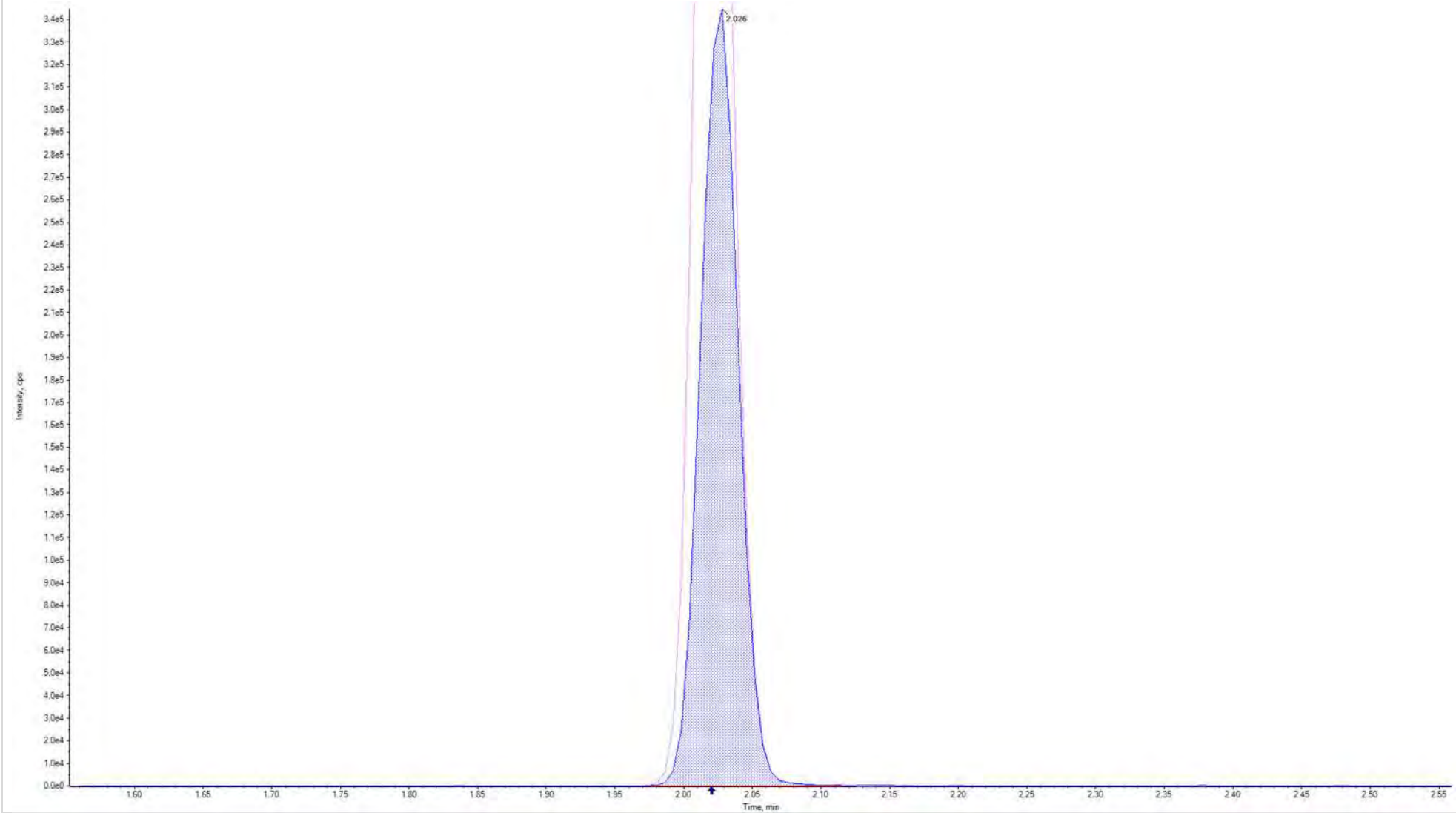
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_21.wiff2_6
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

HFPO-DA
Sample: WG2012727-3 S/N:6445.3 Points Across peak:24



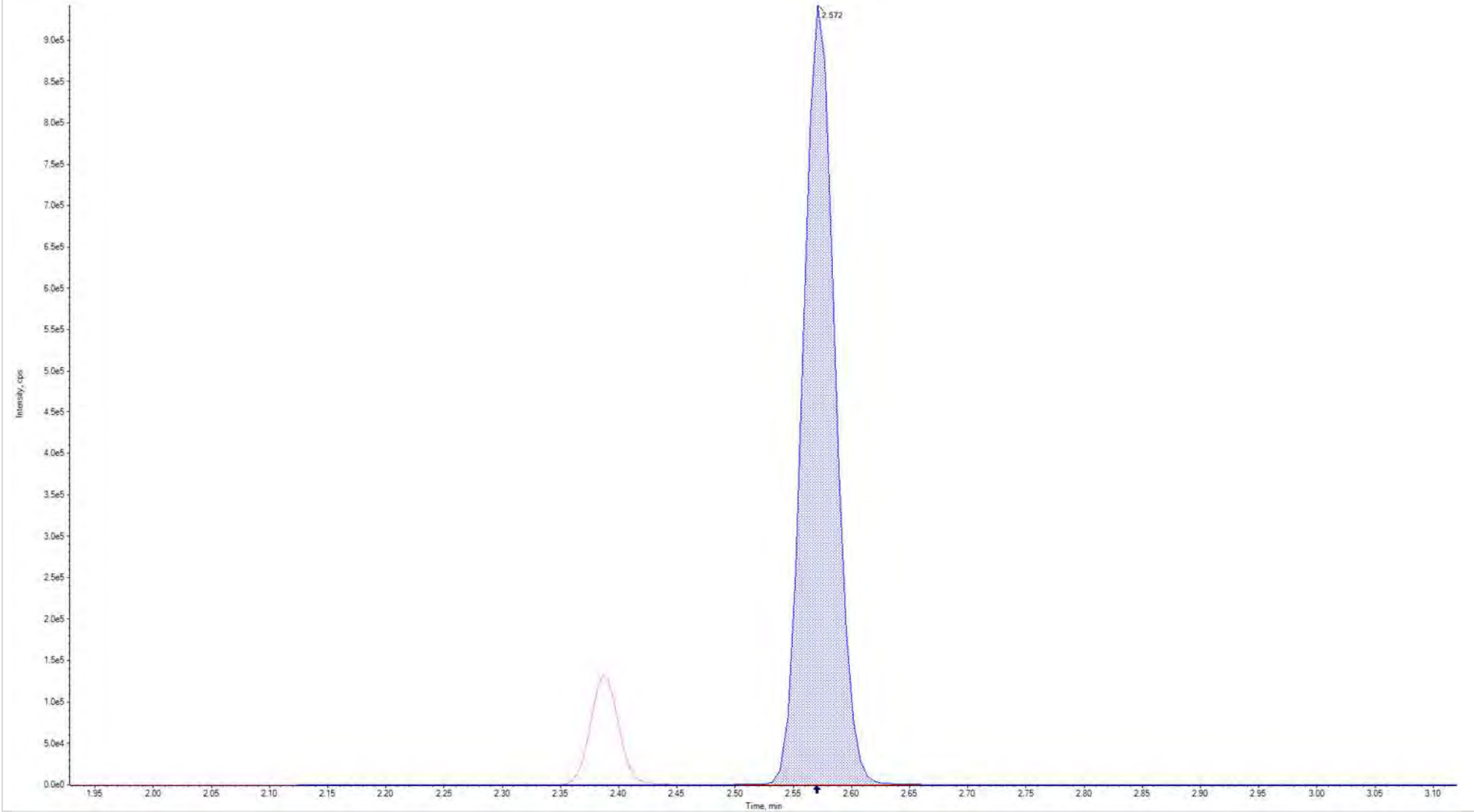
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_21.wiff2_6
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

HFPO-DA_2
Sample: WG2012727-3 S/N:7772.8 Points Across peak:25



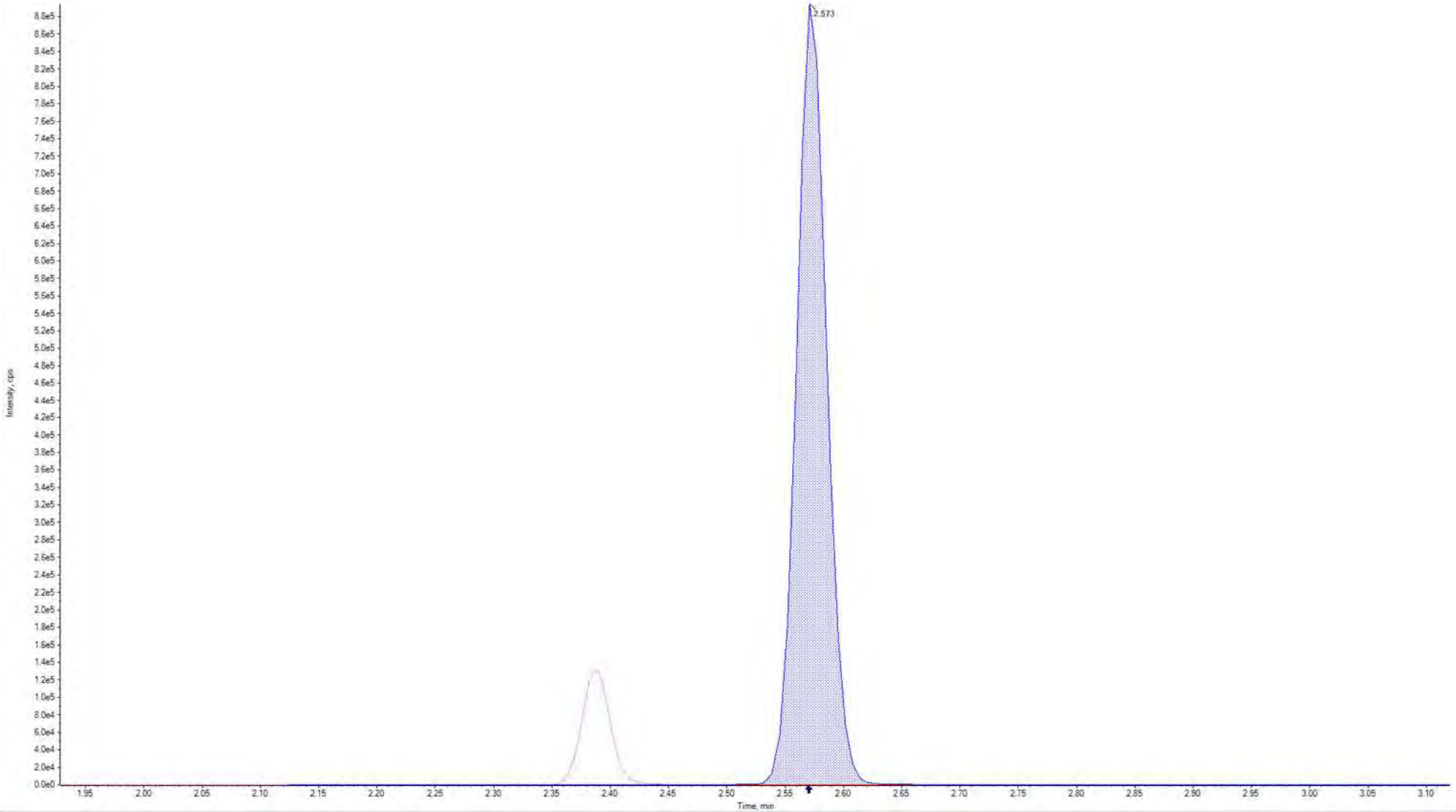
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_21.wiff2_6
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

ADONA
Sample: WG2012727-3 S/N:5668.1 Points Across peak:34



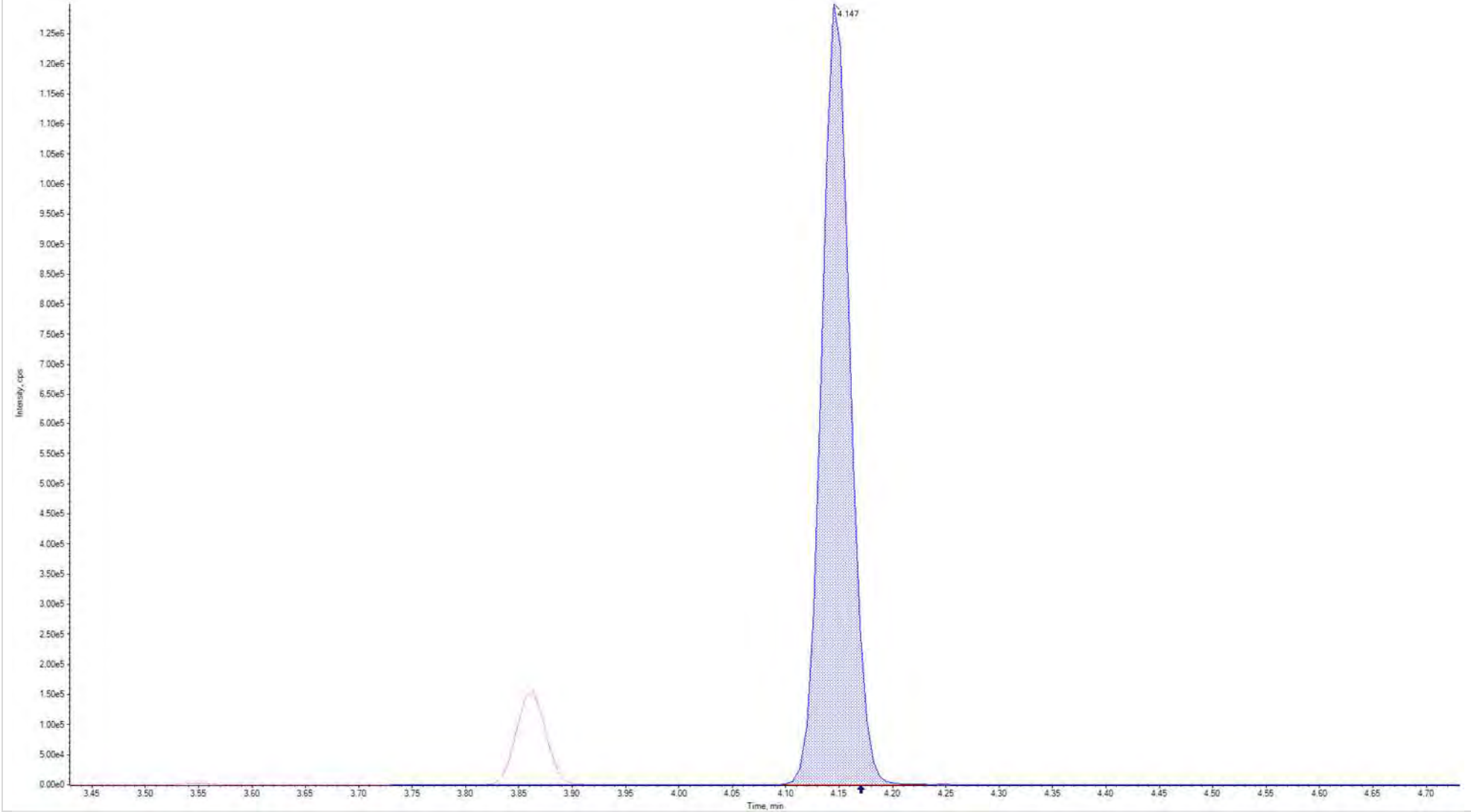
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_21.wiff2_6
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

ADONA_2
Sample: WG2012727-3 S/N:6204.2 Points Across peak:31



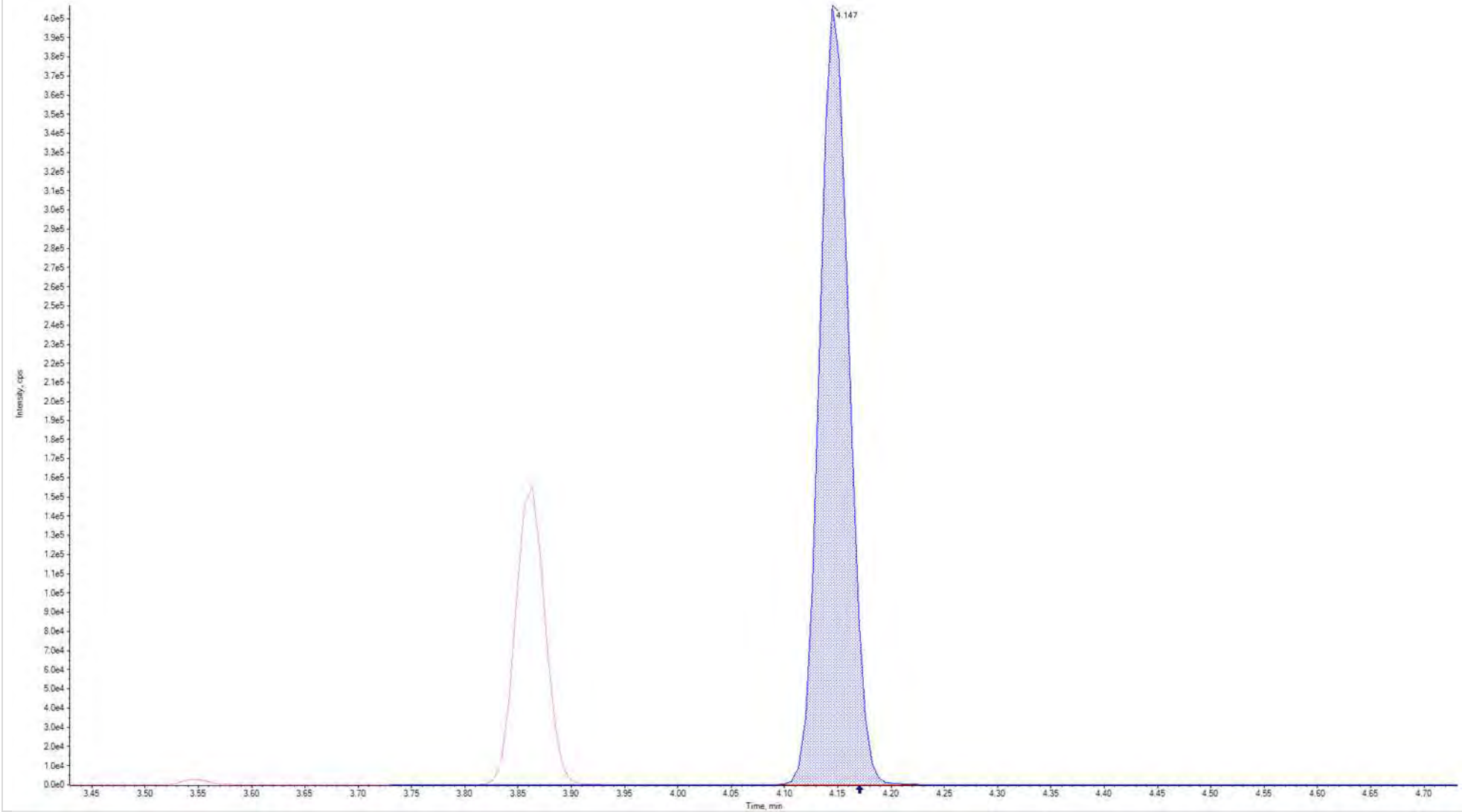
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_21.wiff2_6
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

9Cl-PF3ONS
Sample: WG2012727-3 S/N:7376.5 Points Across peak:27



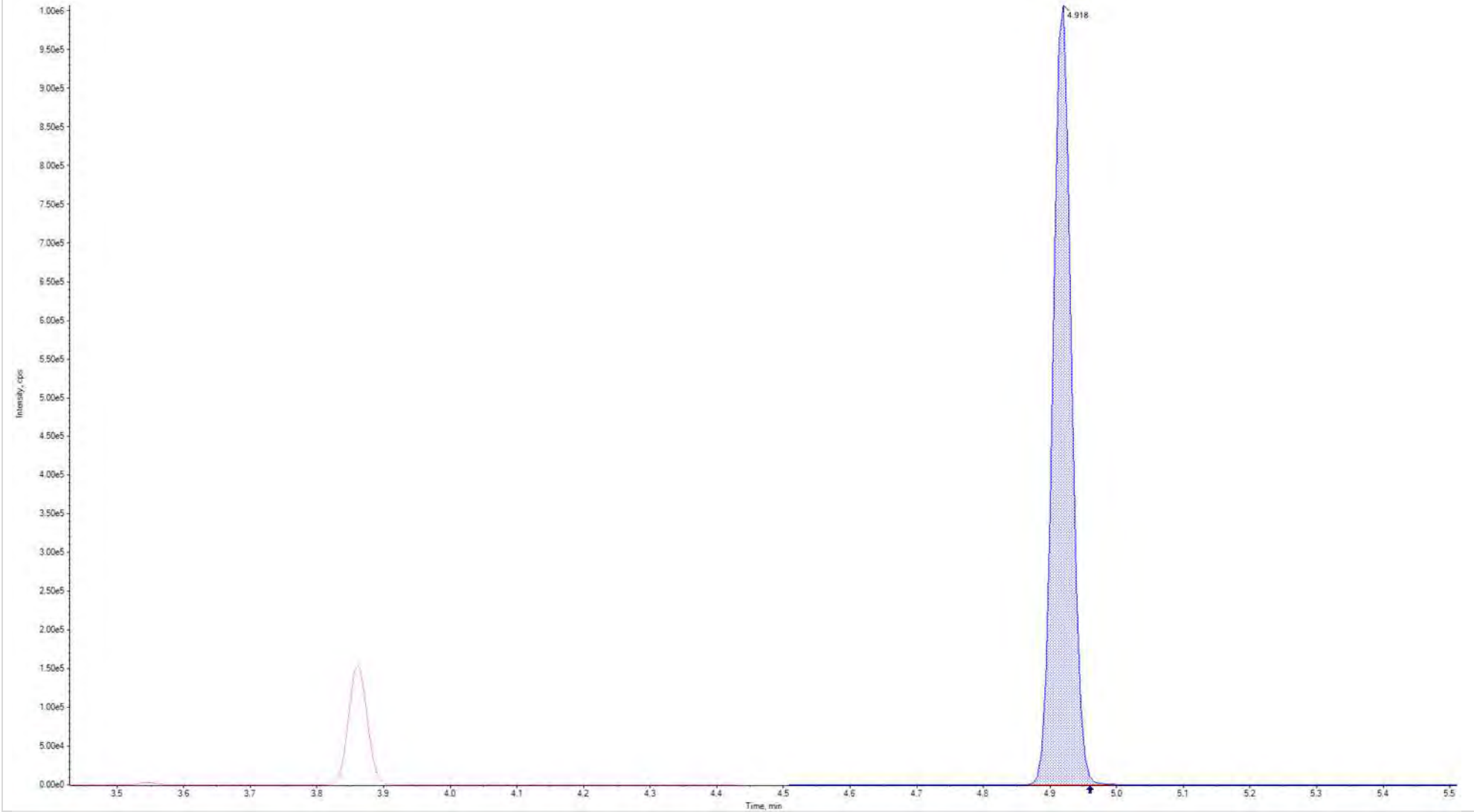
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_21.wiff2_6
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

9Cl-PF3ONS_2
Sample: WG2012727-3 S/N:9177.9 Points Across peak:27



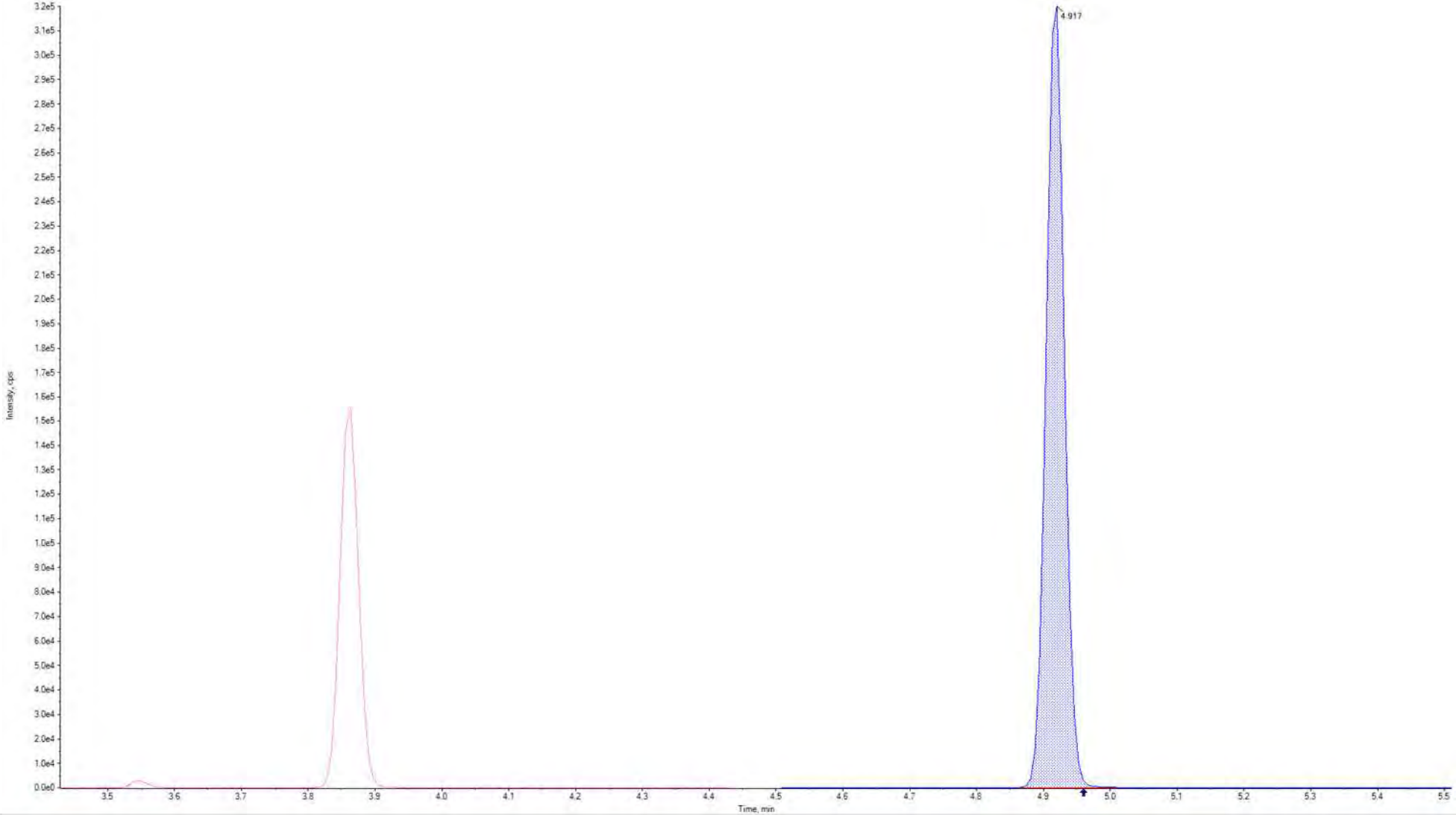
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_21.wiff2_6
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

11Cl-PF3OUdS
Sample: WG2012727-3 S/N:8522.4 Points Across peak:35



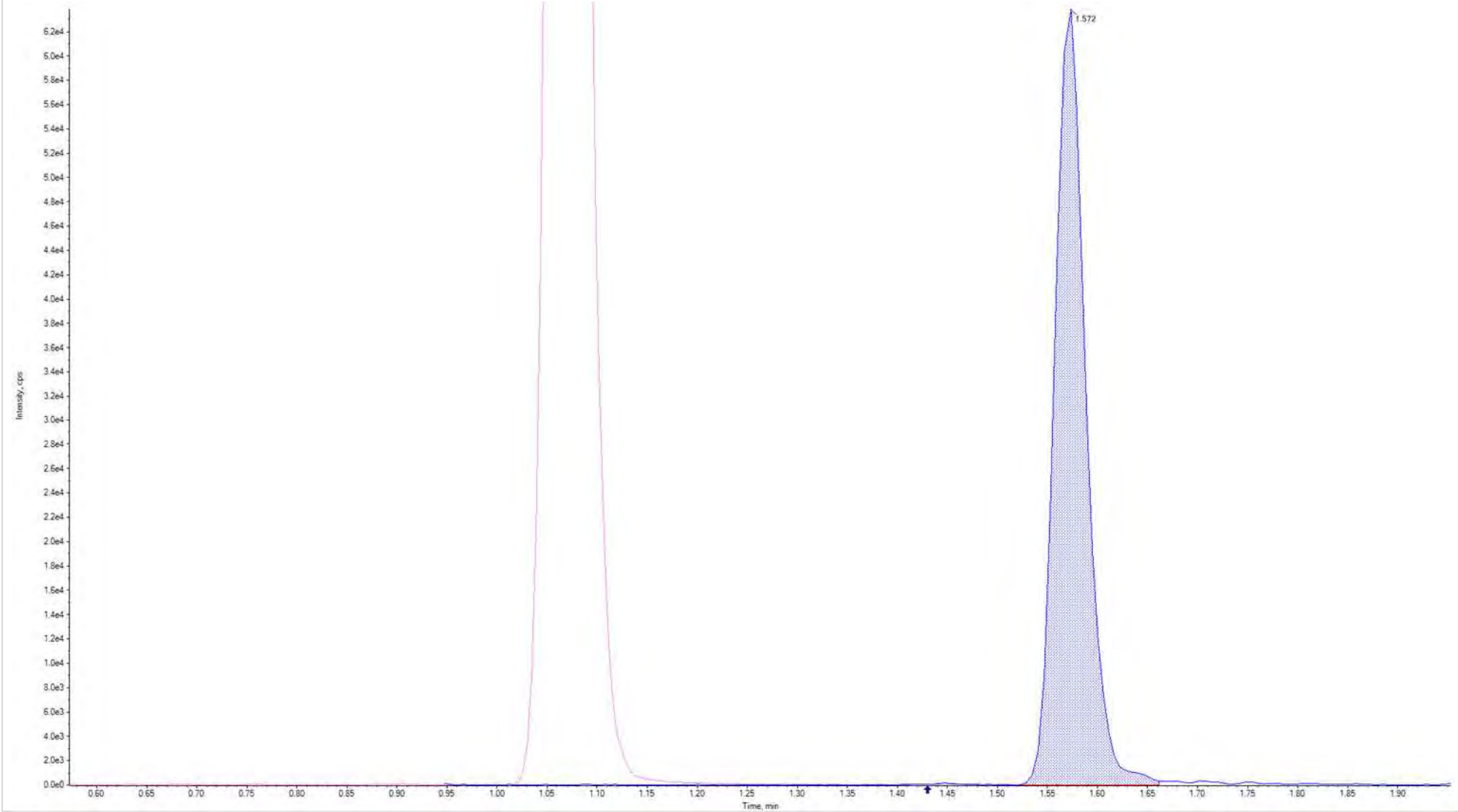
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_21.wiff2_6
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

11Cl-PF3OUdS_2
Sample: WG2012727-3 S/N:7992.9 Points Across peak:30



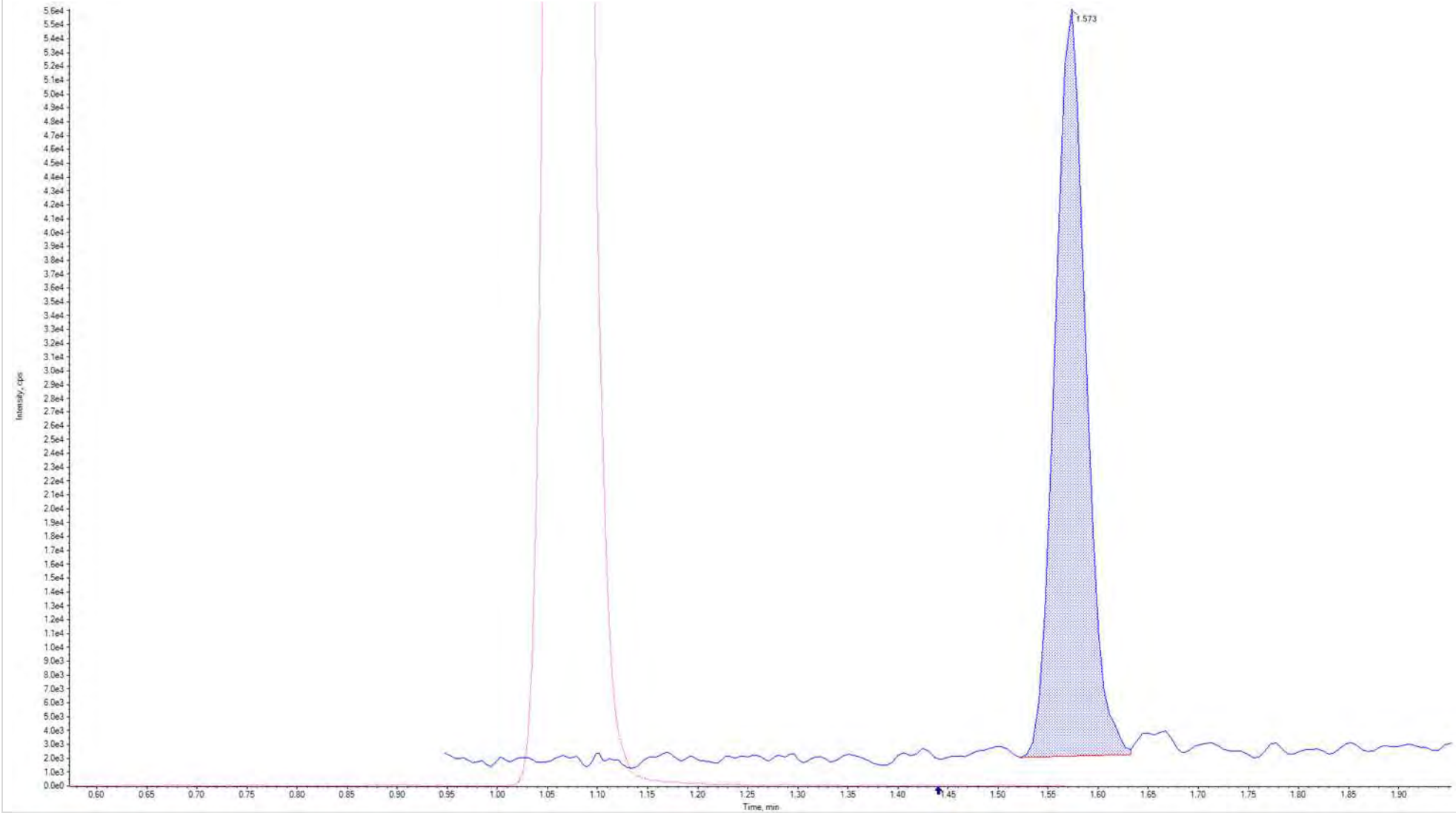
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_21.wiff2_6
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

3:3FTCA
Sample: WG2012727-3 S/N:1600.7 Points Across peak:27



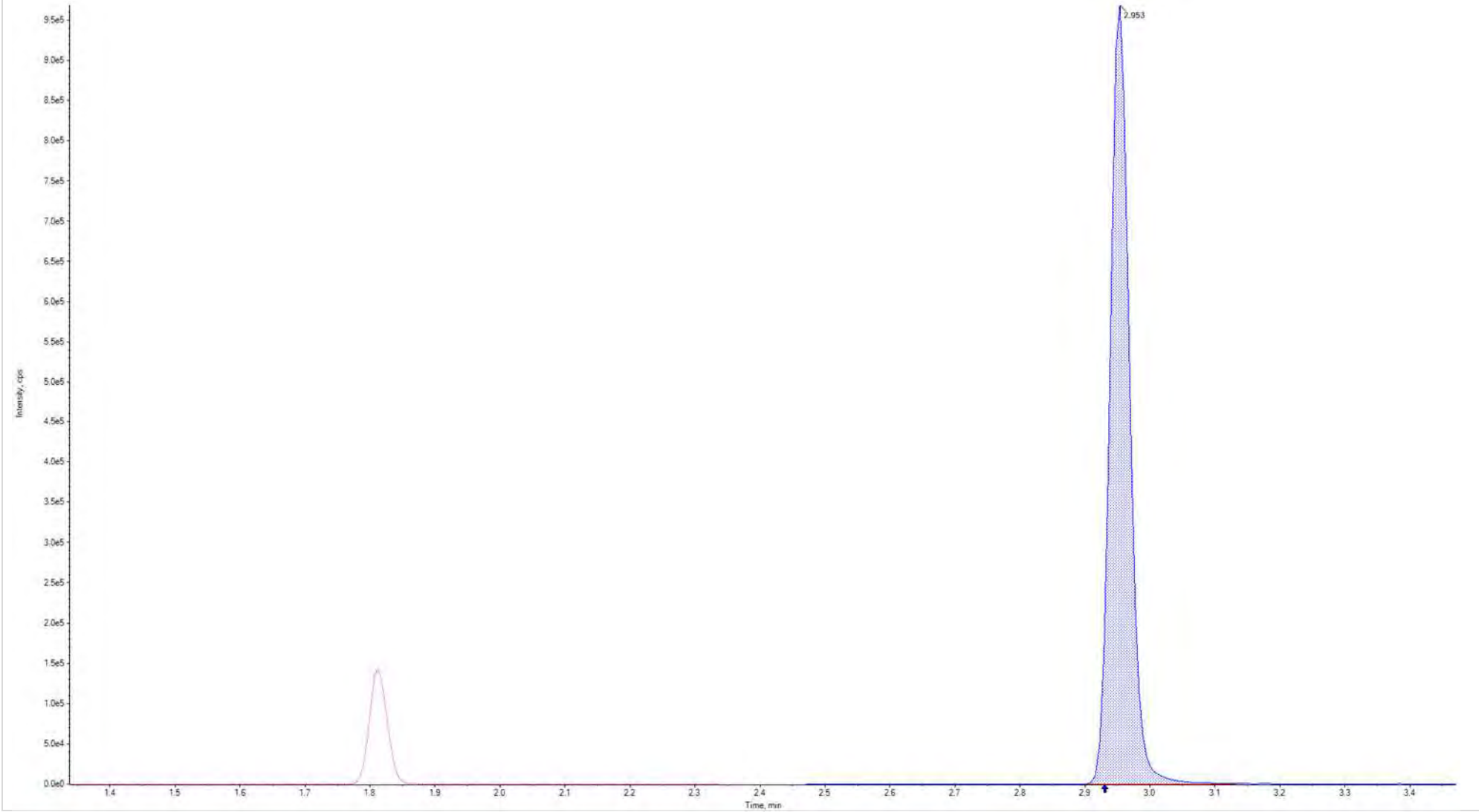
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_21.wiff2_6
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

3:3FTCA_2
Sample: WG2012727-3 S/N:284.7 Points Across peak:20



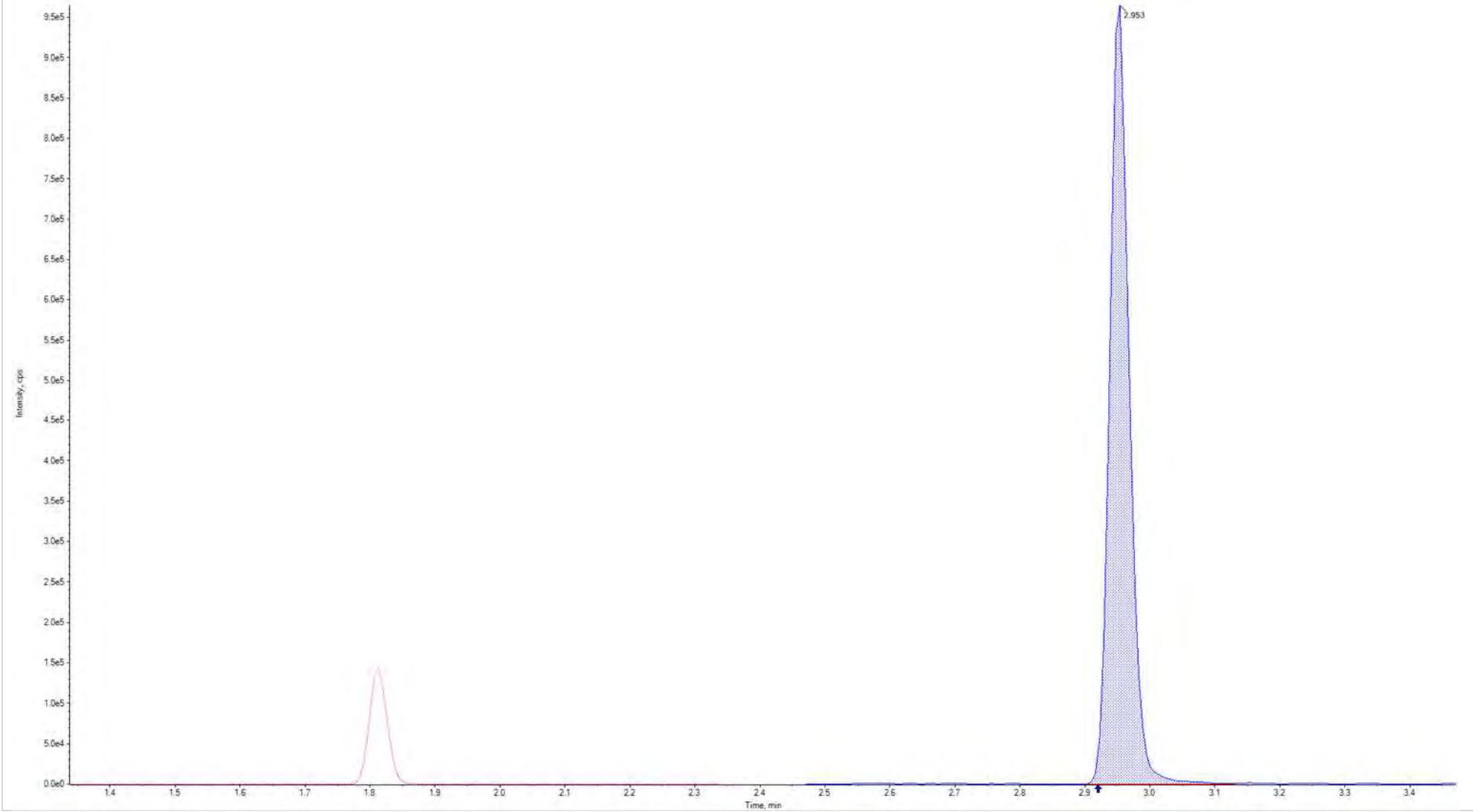
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_21.wiff2_6
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

5:3FTCA
Sample: WG2012727-3 S/N:21843.3 Points Across peak:42



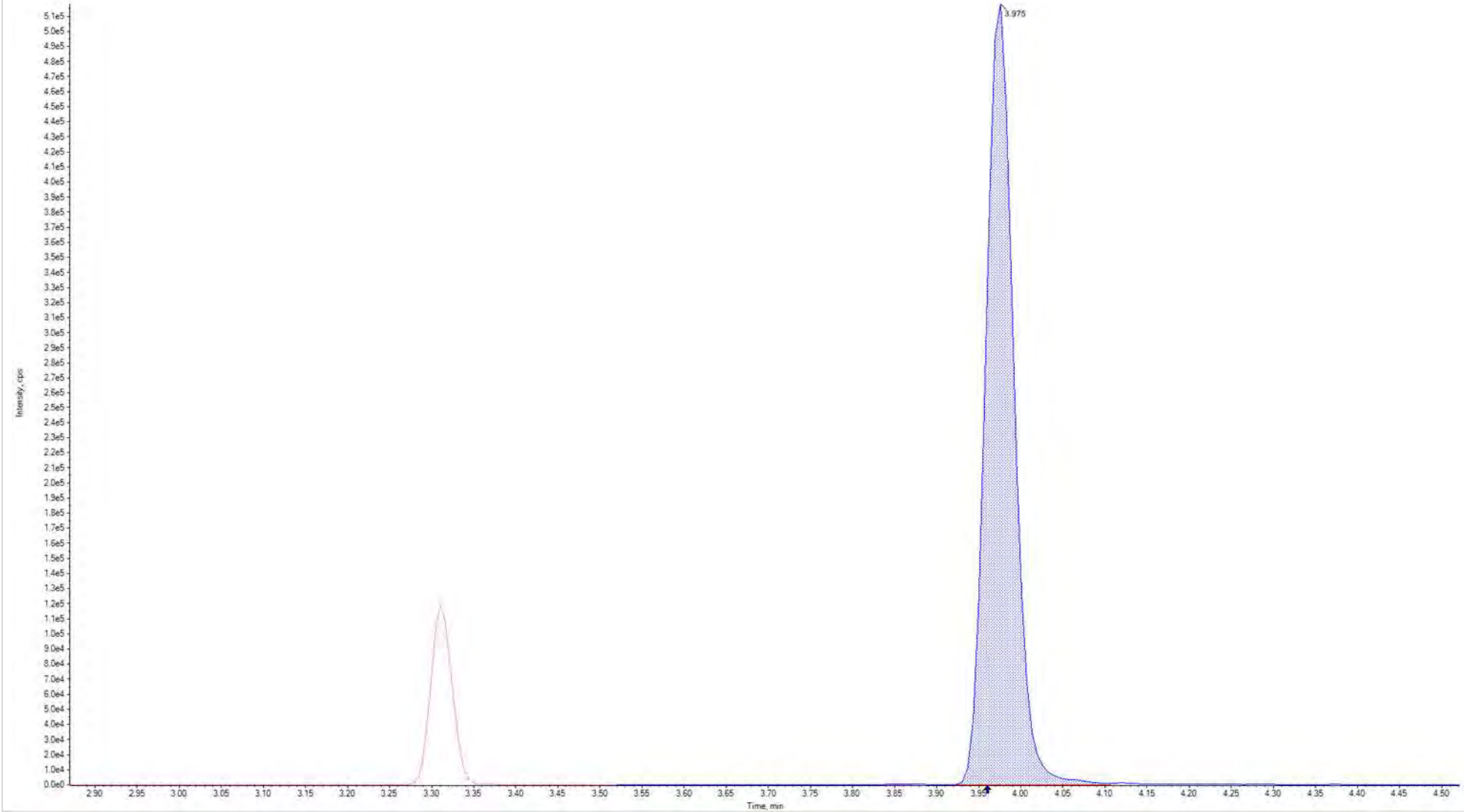
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_21.wiff2_6
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

5:3FTCA_2
Sample: WG2012727-3 S/N:9853.5 Points Across peak:42



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_21.wiff2_6
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

7:3FTCA
Sample: WG2012727-3 S/N:14286.9 Points Across peak:33



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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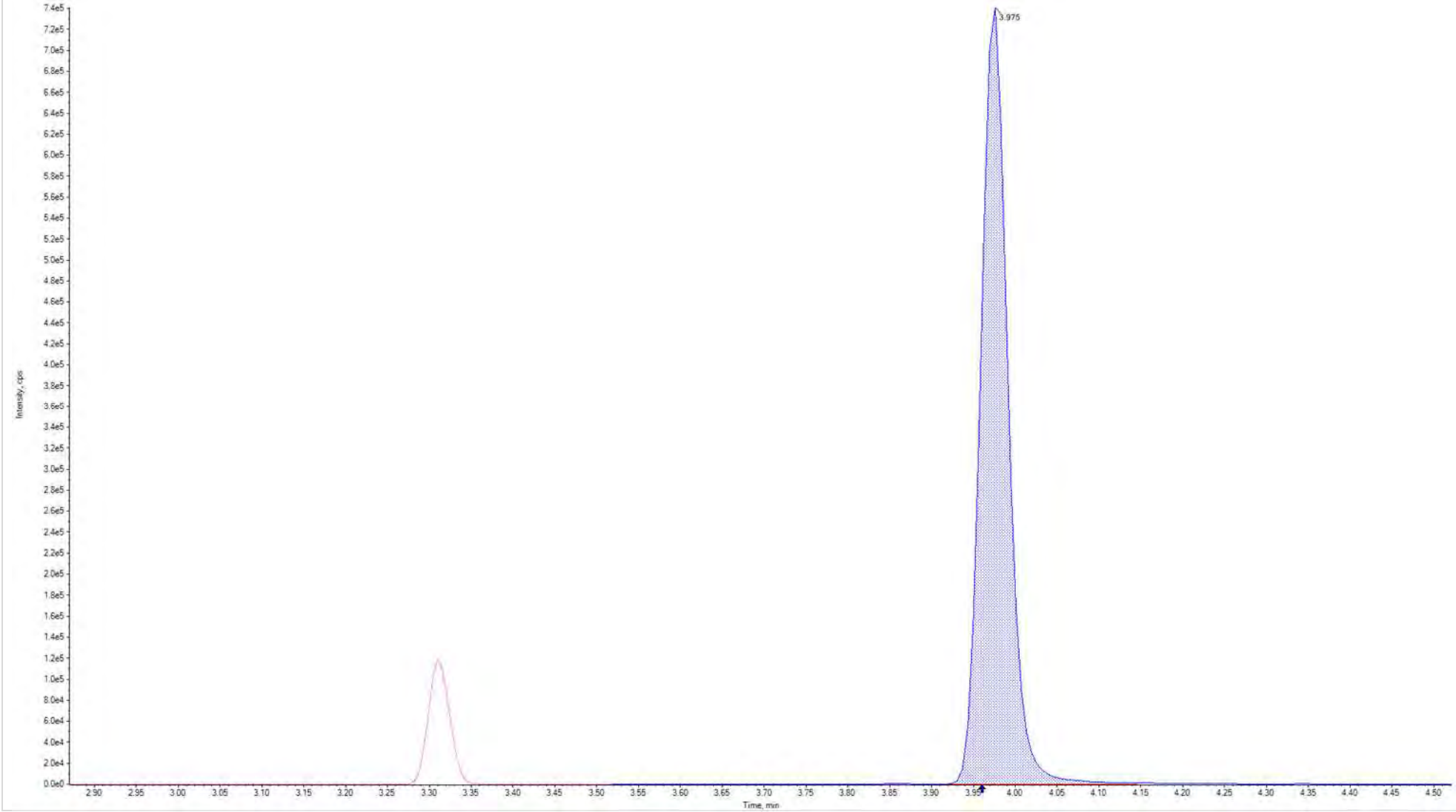
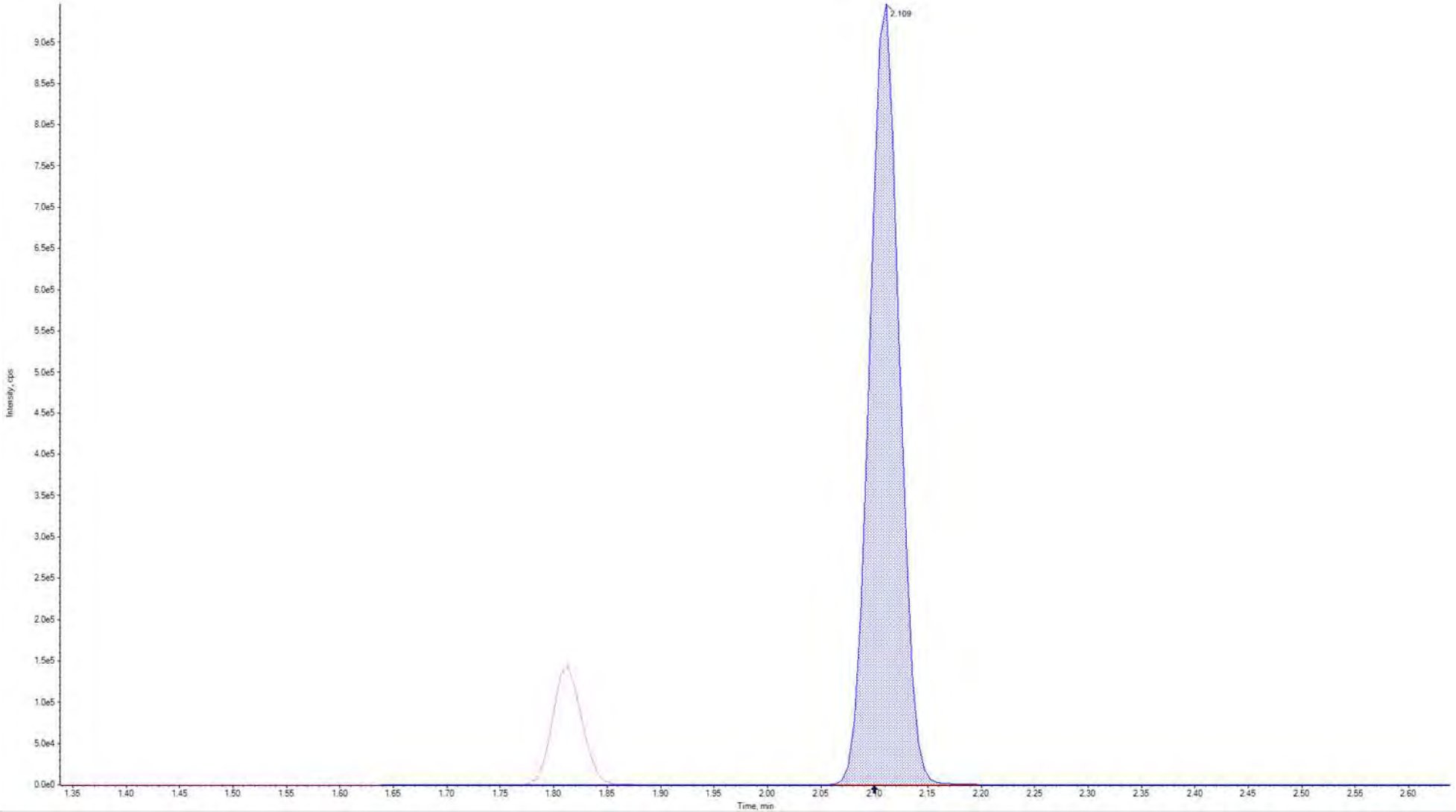
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

7:3FTCA_2
Sample: WG2012727-3 S/N:20423.9 Points Across peak:39



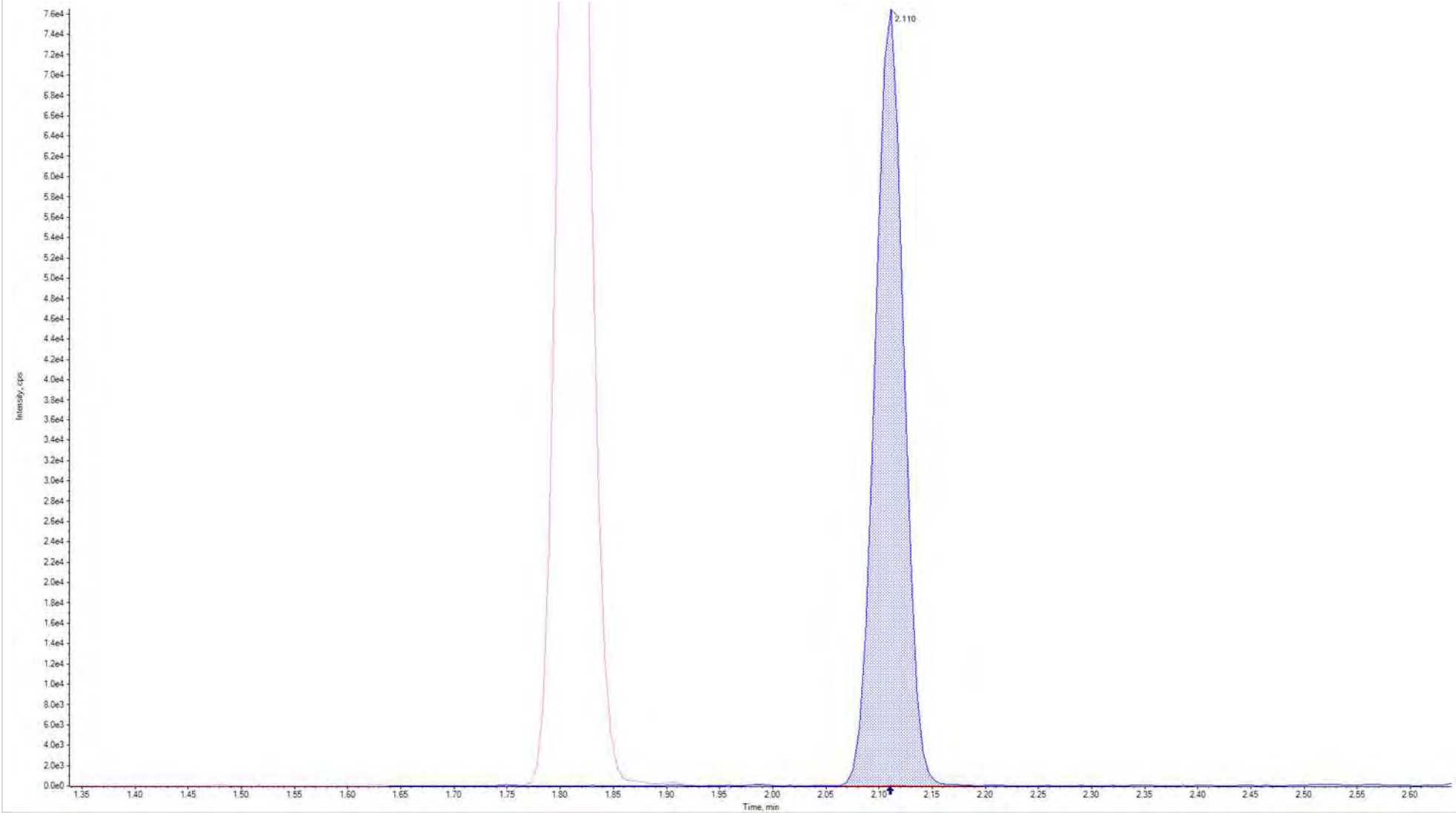
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_21.wiff2_6
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFEESA
Sample: WG2012727-3 S/N:9720.9 Points Across peak:38



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_21.wiff2_6
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFEESA_2
Sample: WG2012727-3 S/N:1725.4 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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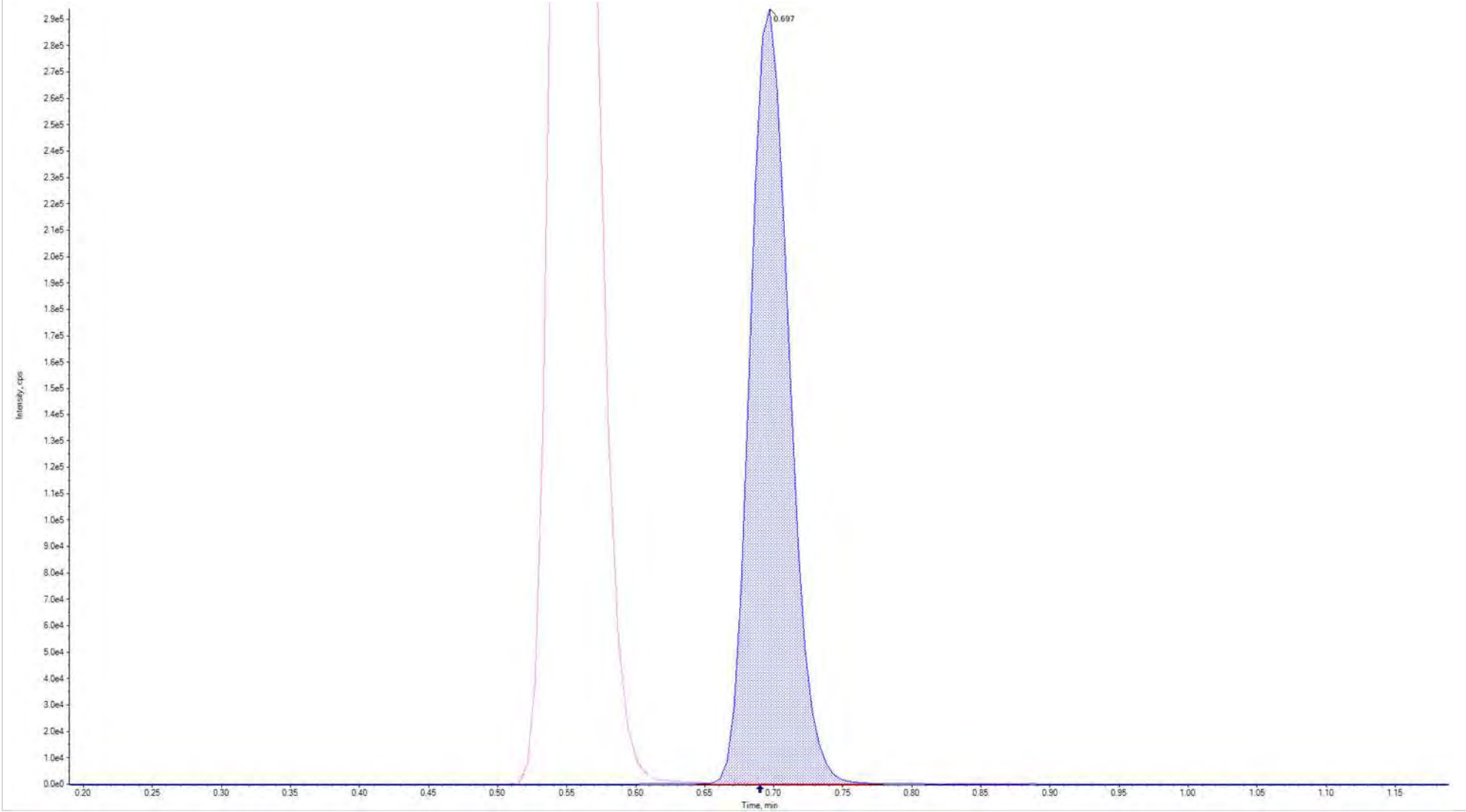
PFMPA
Sample: WG2012727-3 S/N:15016.4 Points Across peak:27



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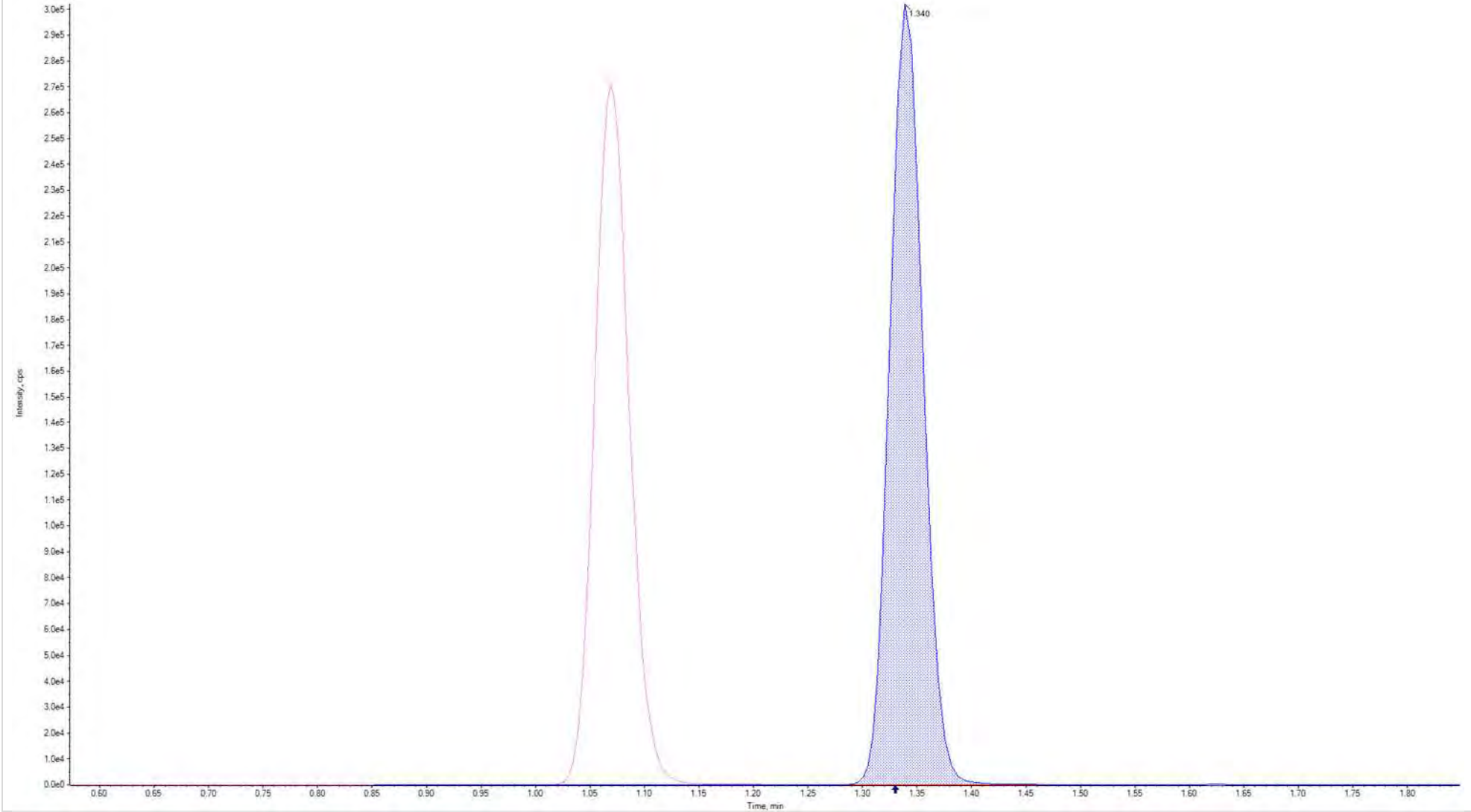
PFMBA
Sample: WG2012727-3 S/N:5922.7 Points Across peak:38



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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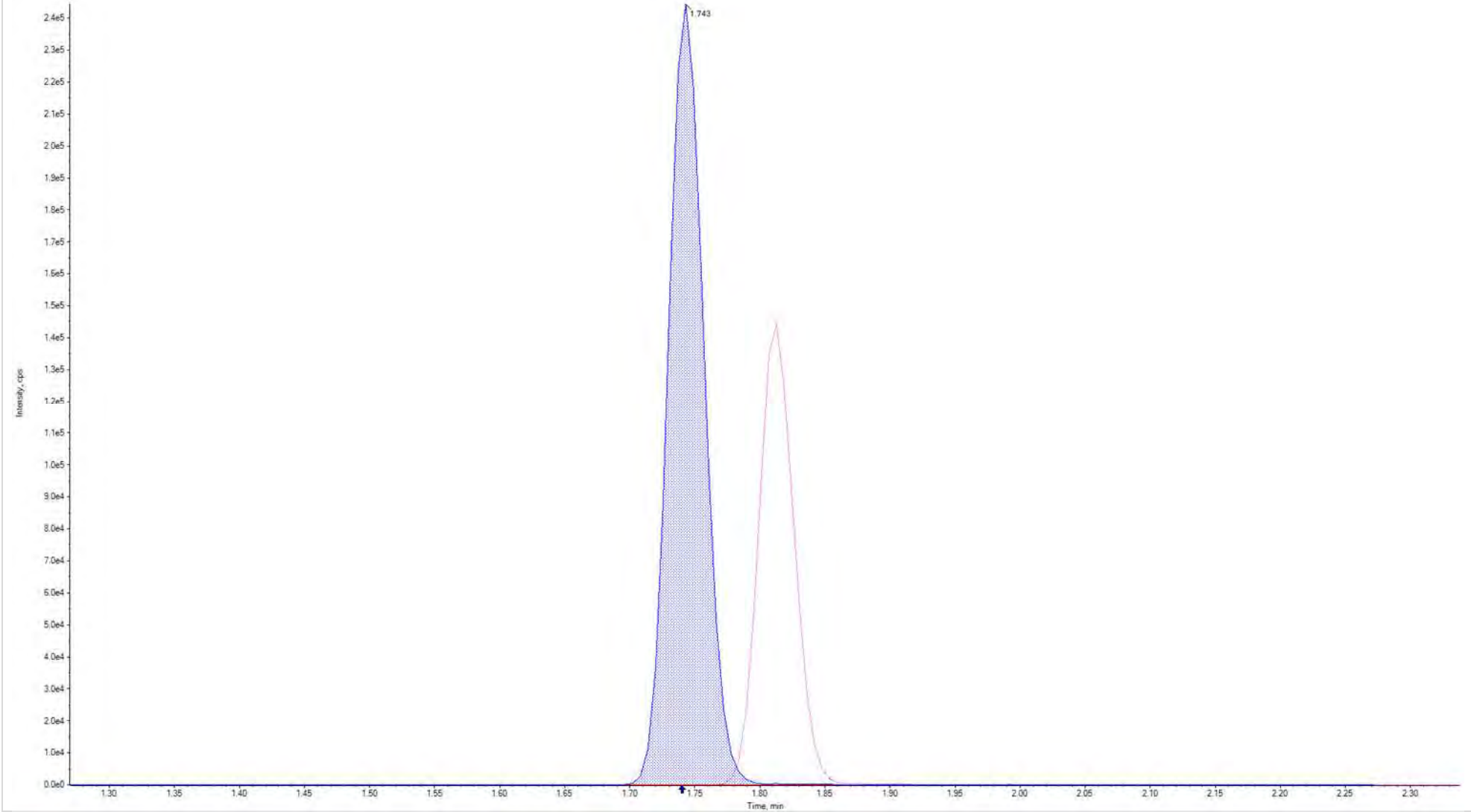
NFDHA
Sample: WG2012727-3 S/N:4766.7 Points Across peak:38



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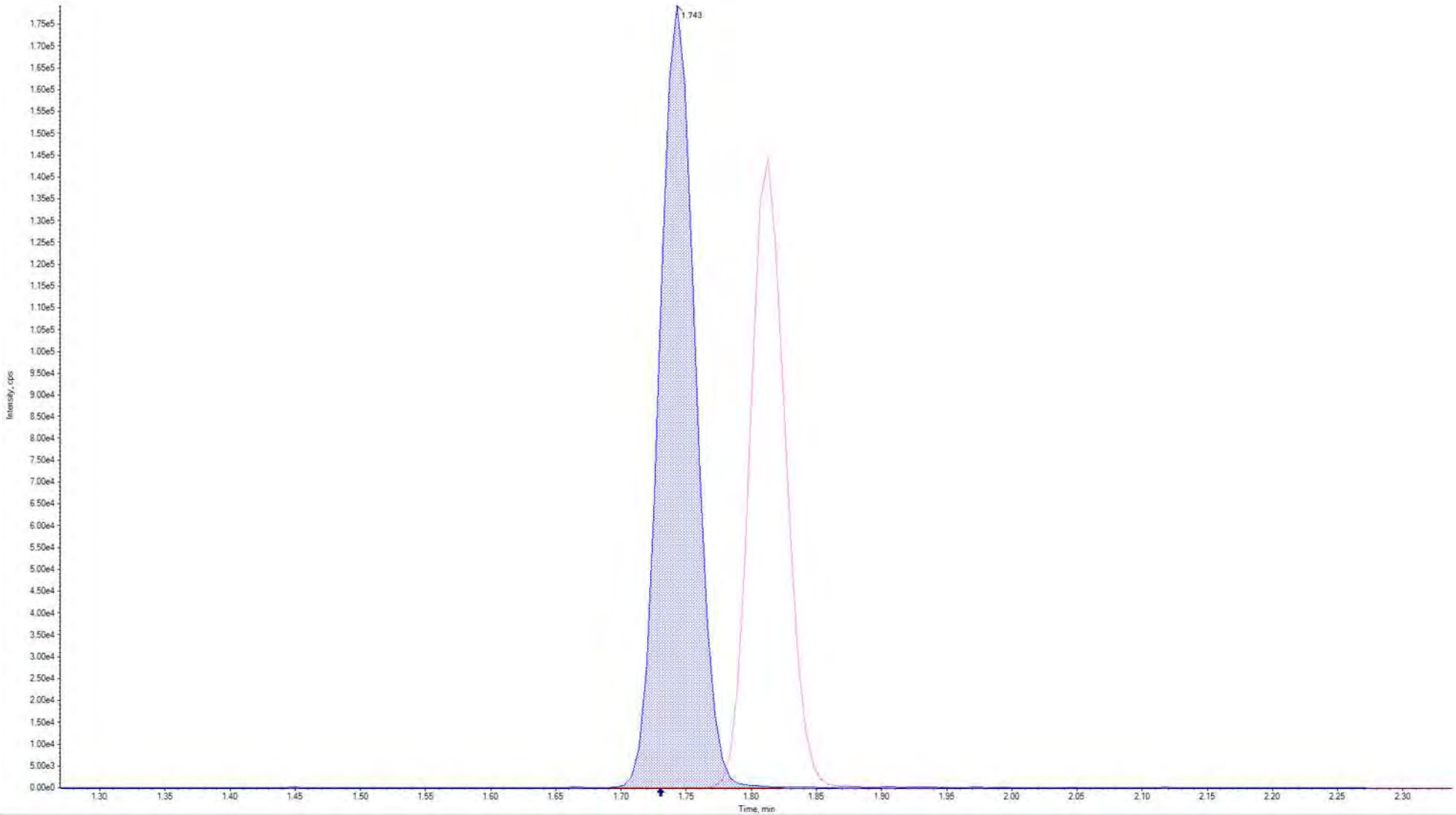
NFDHA_2
Sample: WG2012727-3 S/N:2902.9 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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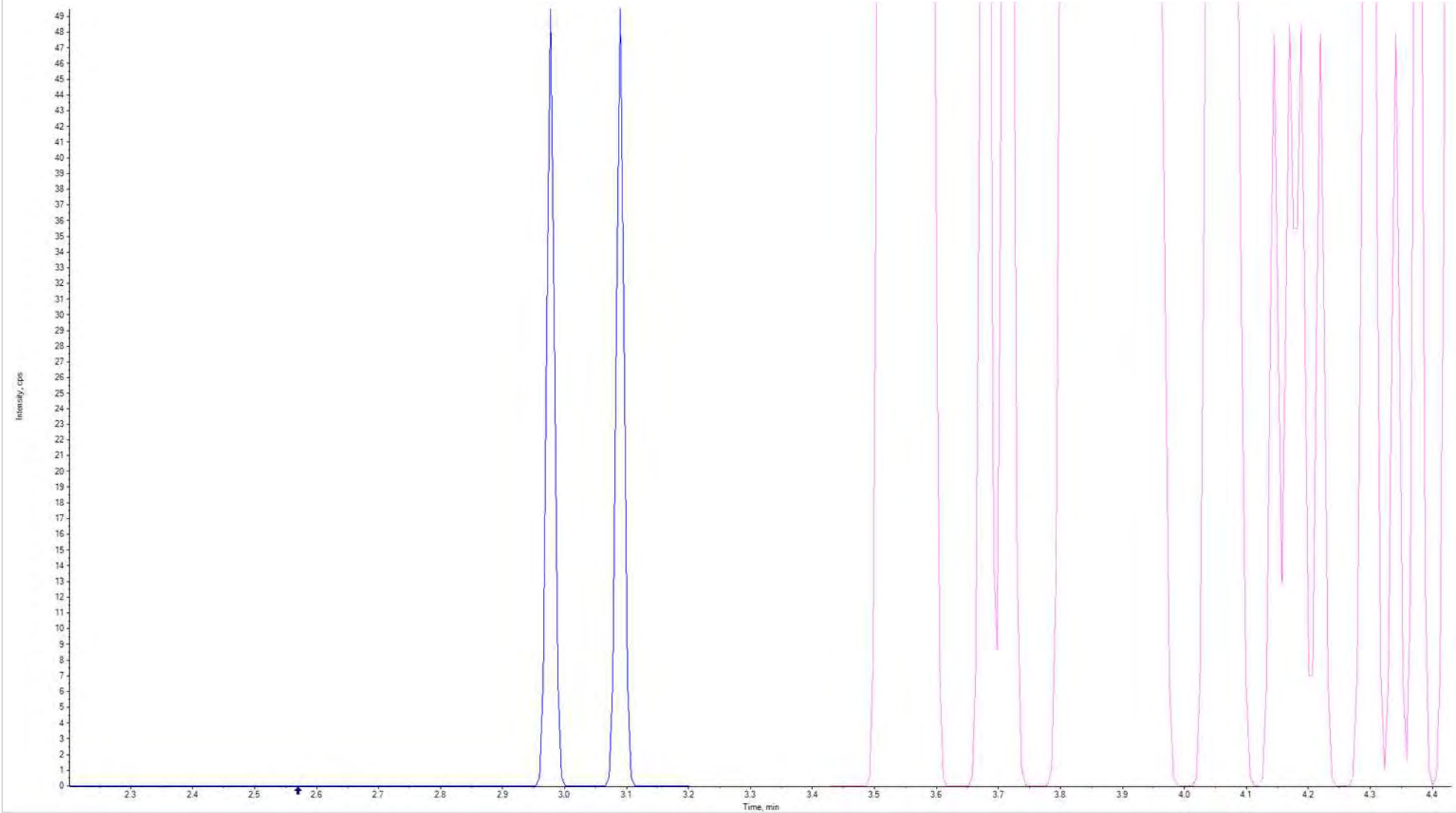
TDCA
Sample: WG2012727-3 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/24/2024 7:52:08 AM
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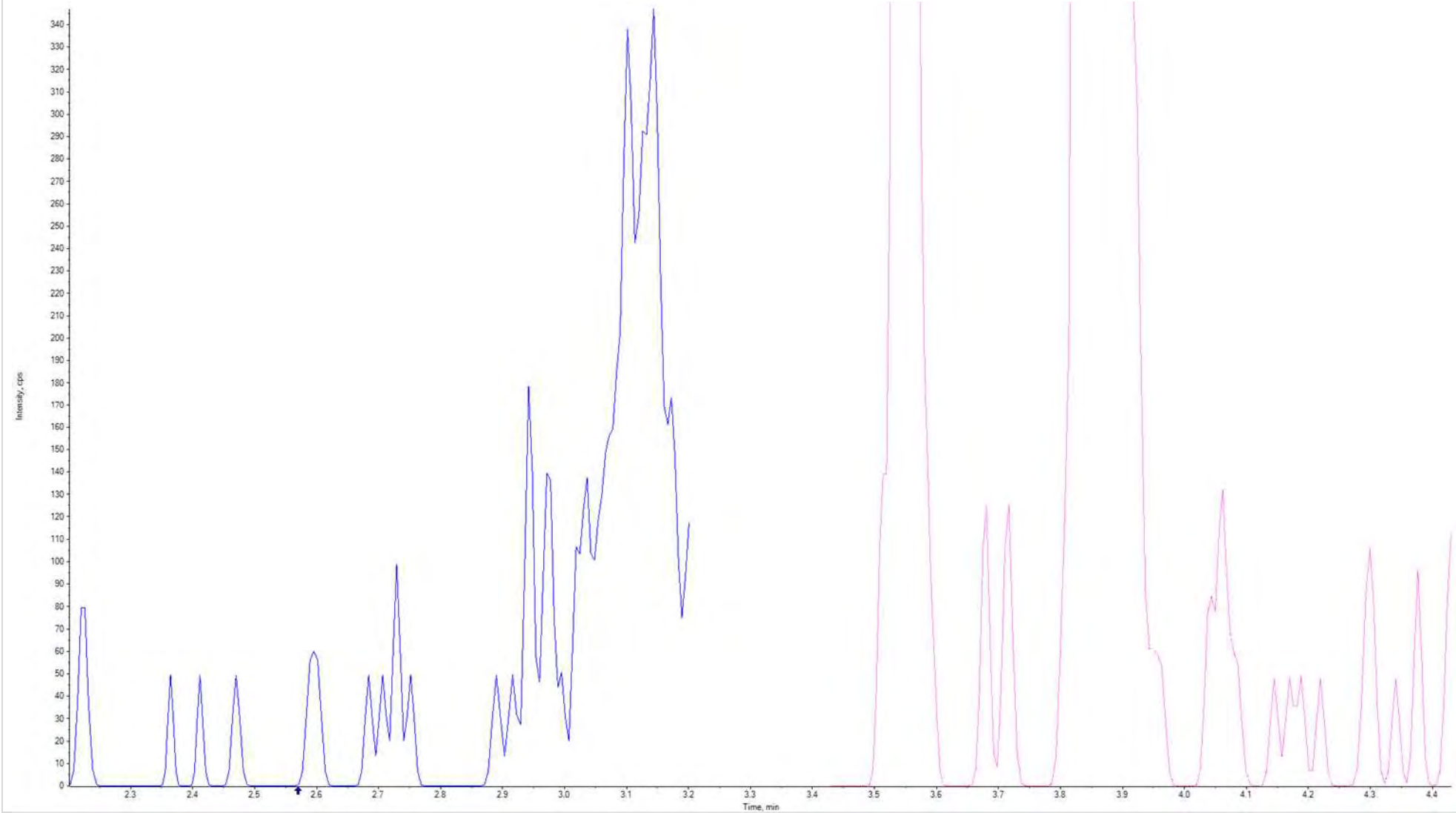
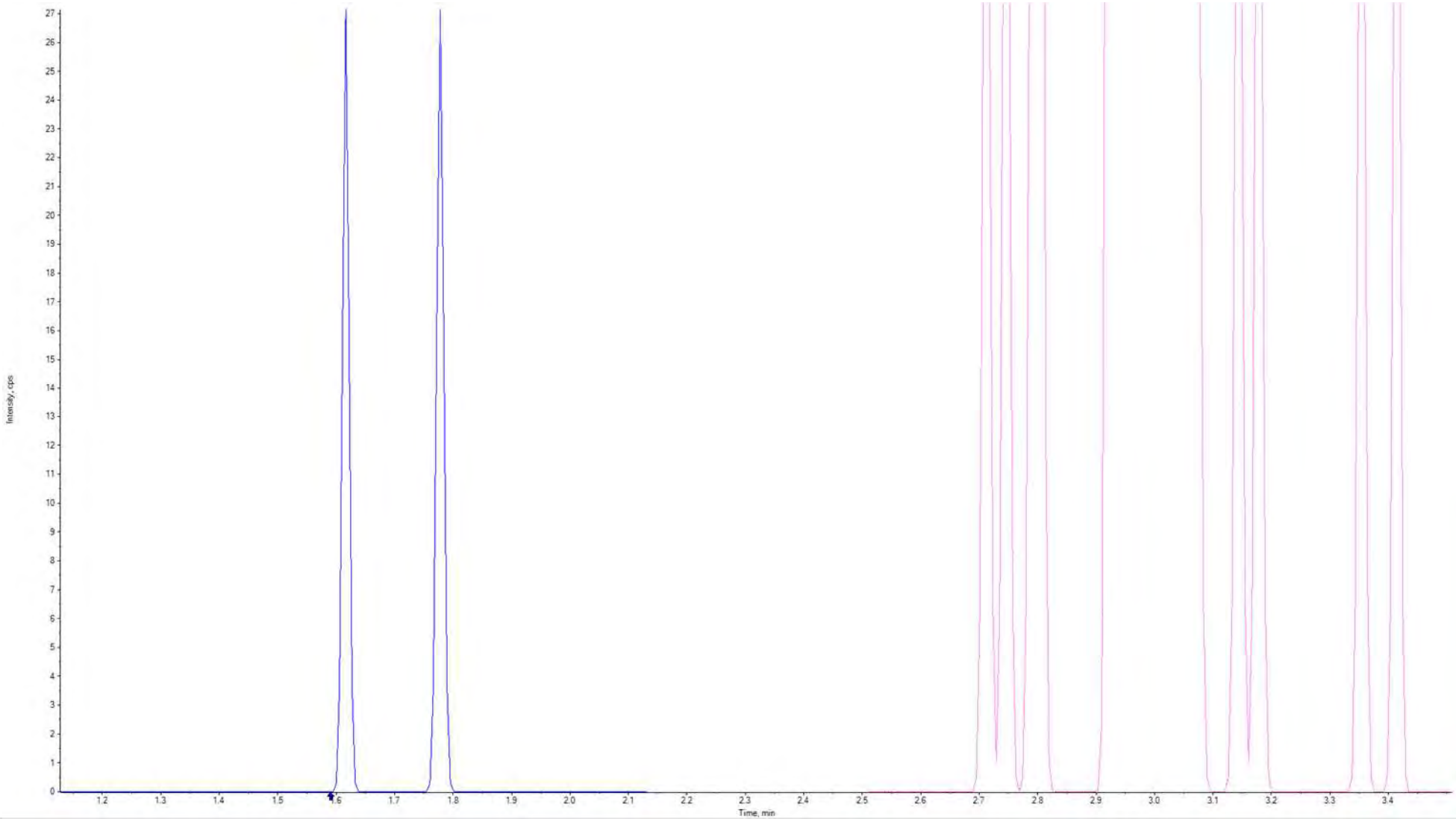
TDCA_2
Sample: WG2012727-3 S/N:N/A Points Across peak:N/A



13C2D4-4:2FTS
Sample: WG2012727-3 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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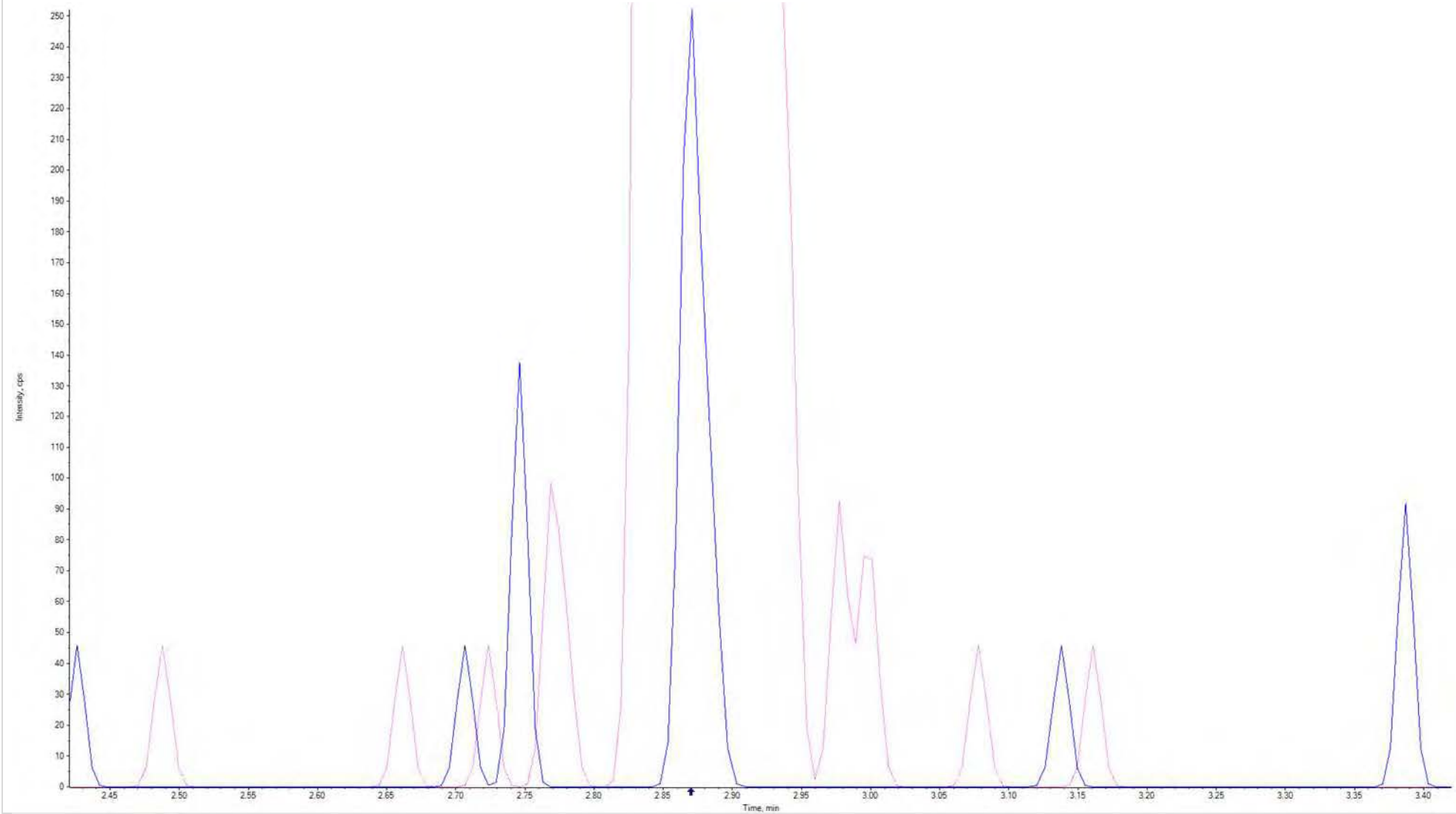
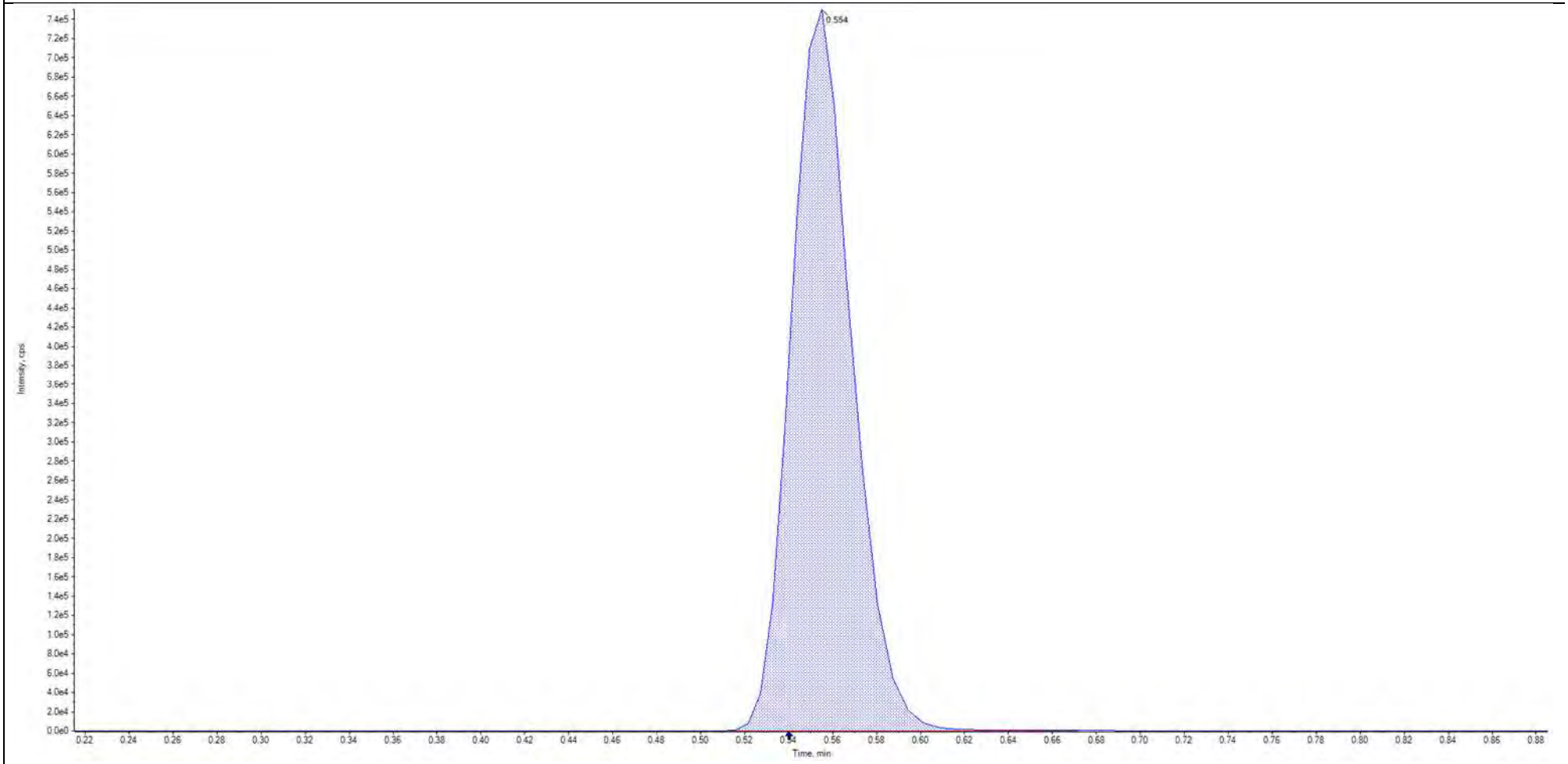
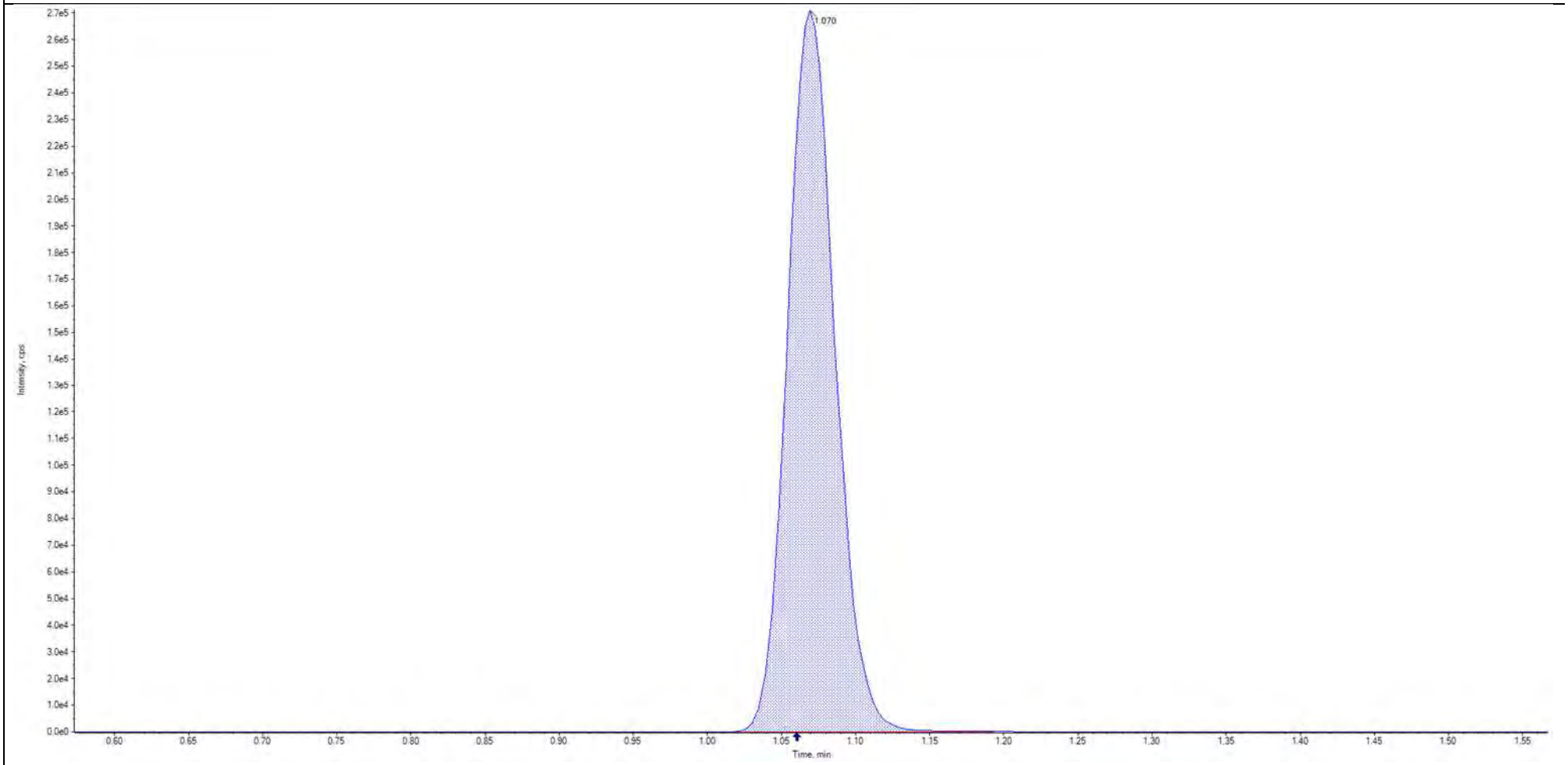
13C2-PFOA
Sample: WG2012727-3 S/N:N/A Points Across peak:N/A



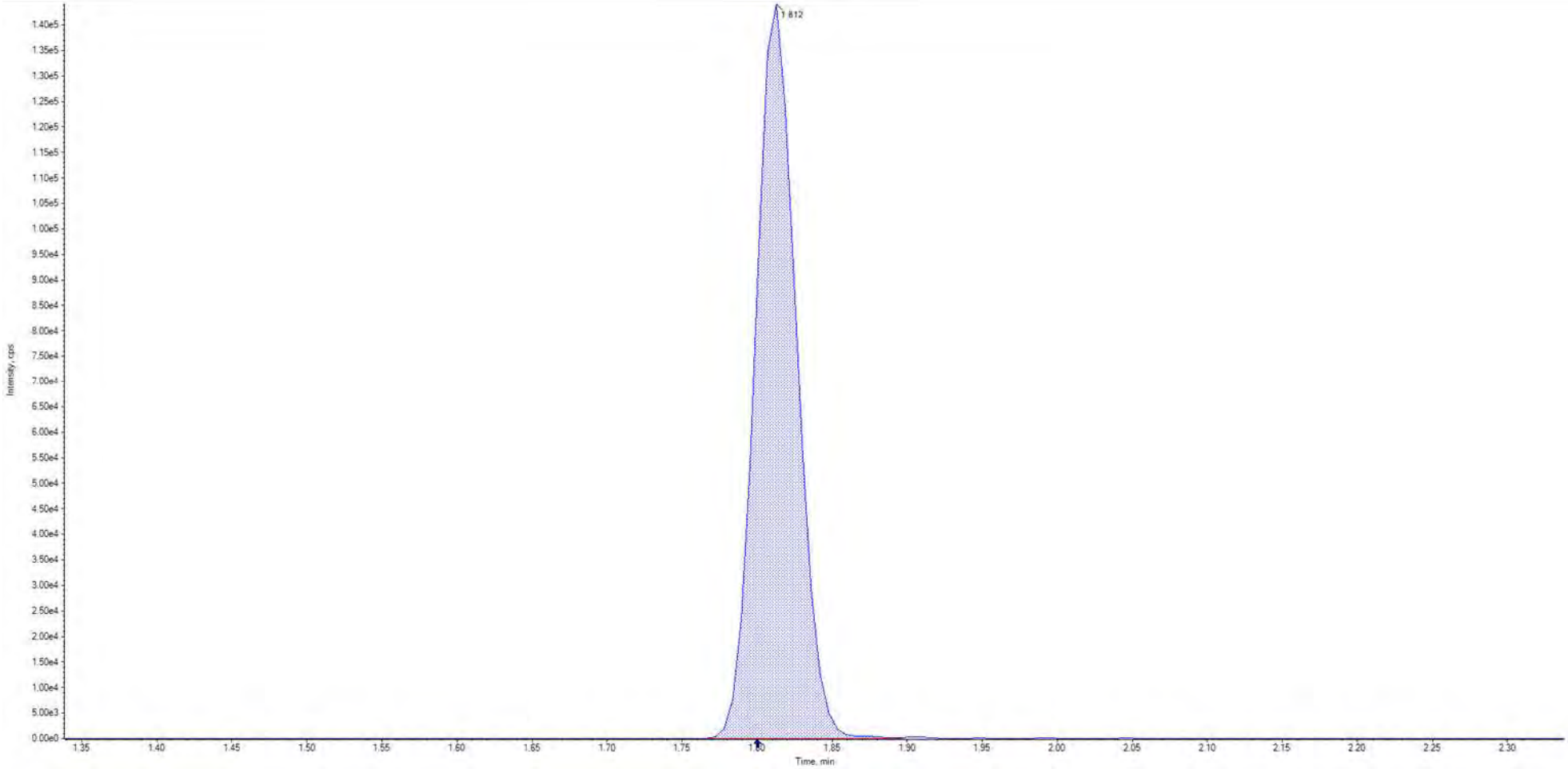
13C4-PFBA
Sample: WG2012727-3



13C5-PFPeA
Sample: WG2012727-3



13C5-PFHxA
Sample: WG2012727-3



13C4-PFHpA
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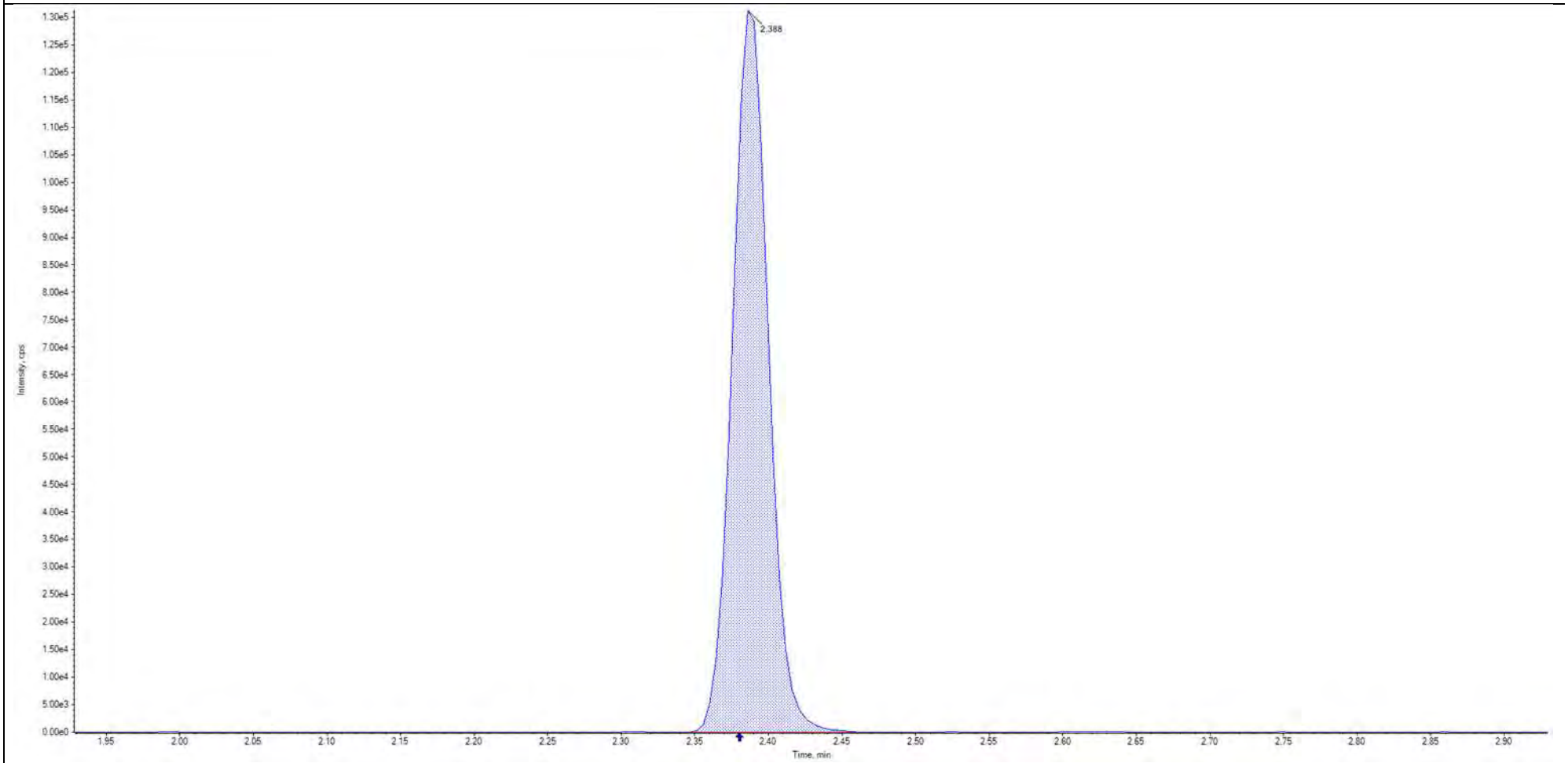
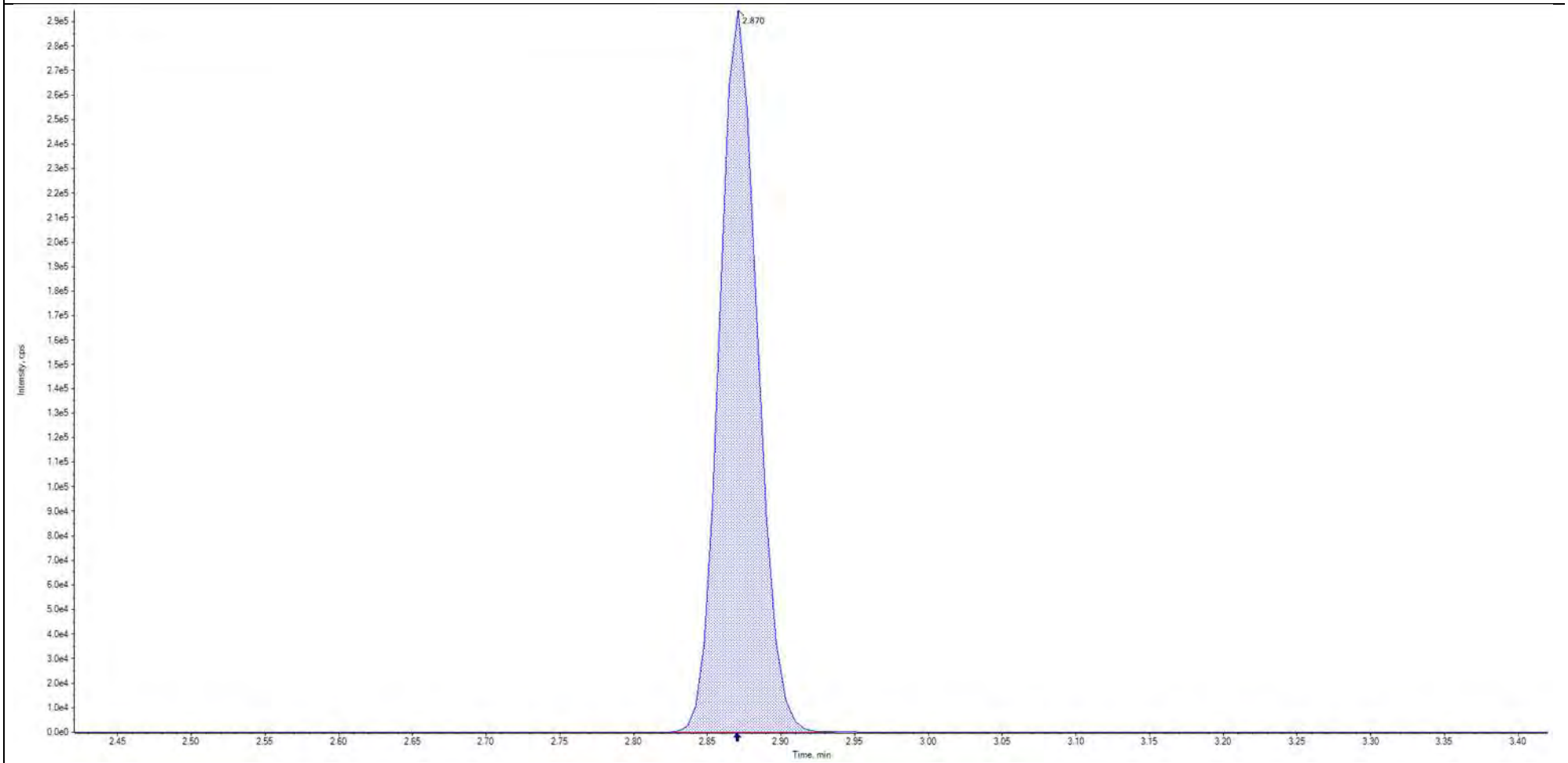


13C8-PFOA
Sample: WG2012727-3



13C9-PFNA
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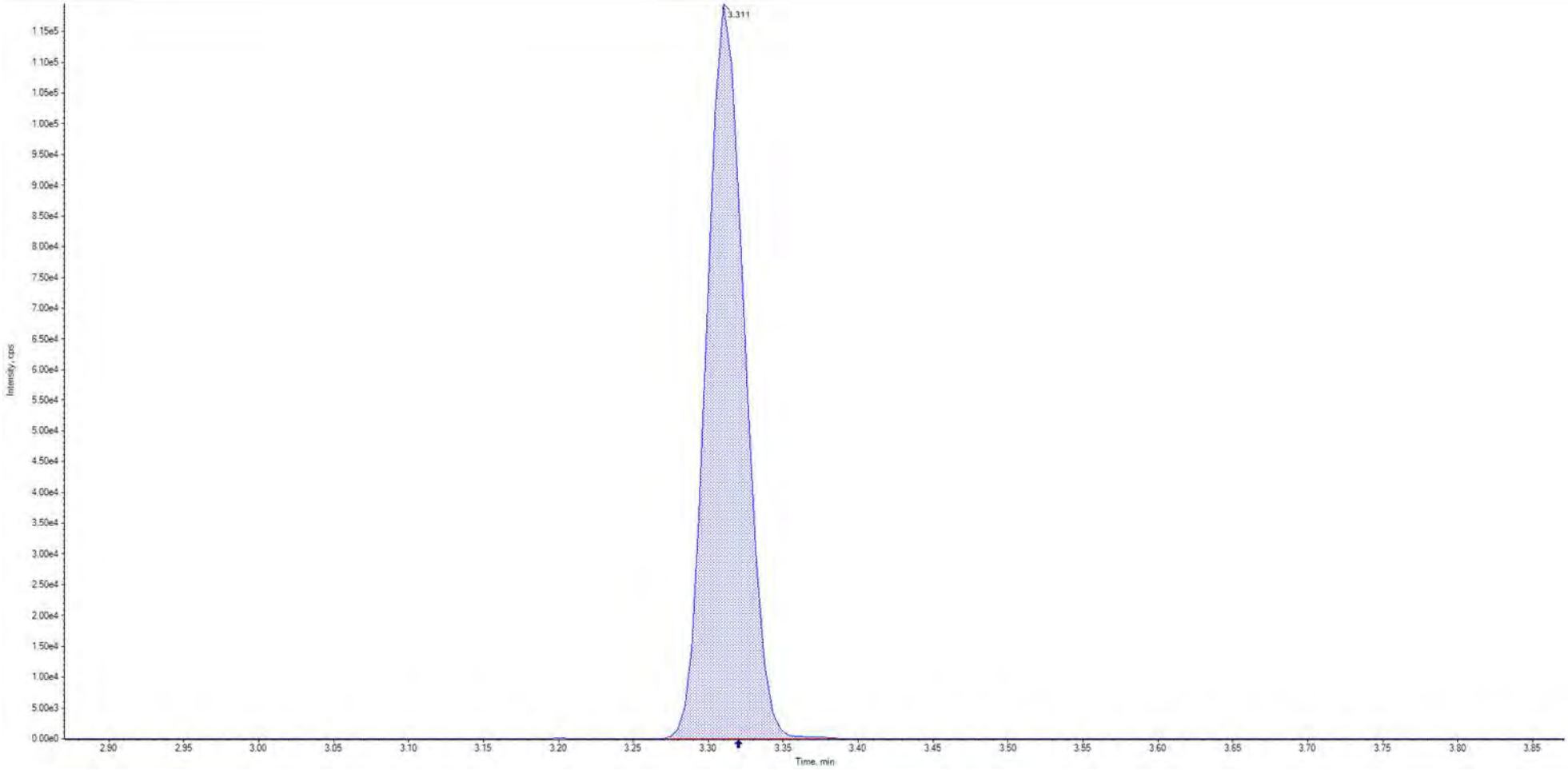
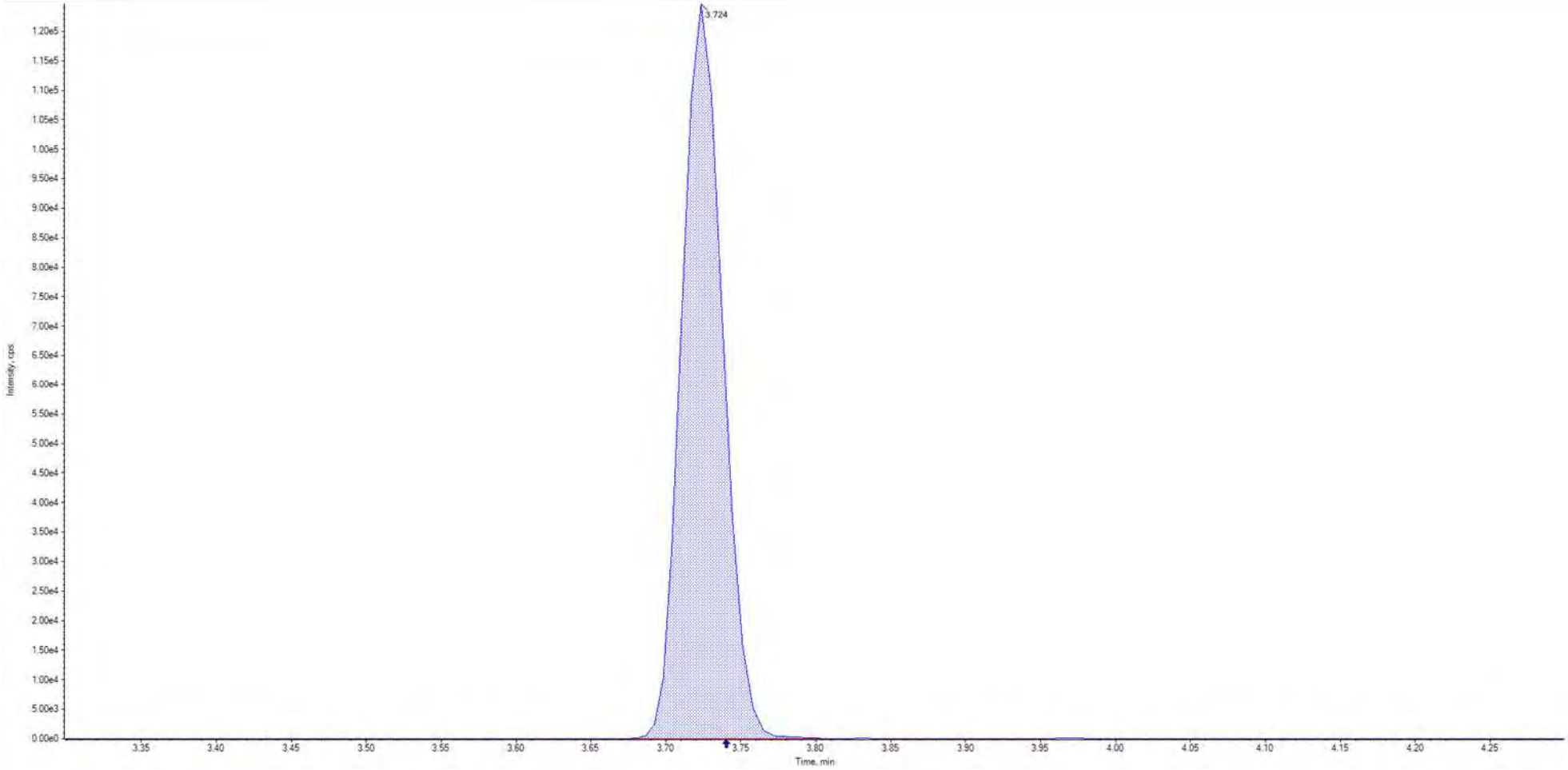


13C6-PFDA
Sample: WG2012727-3



13C7-PFUnA
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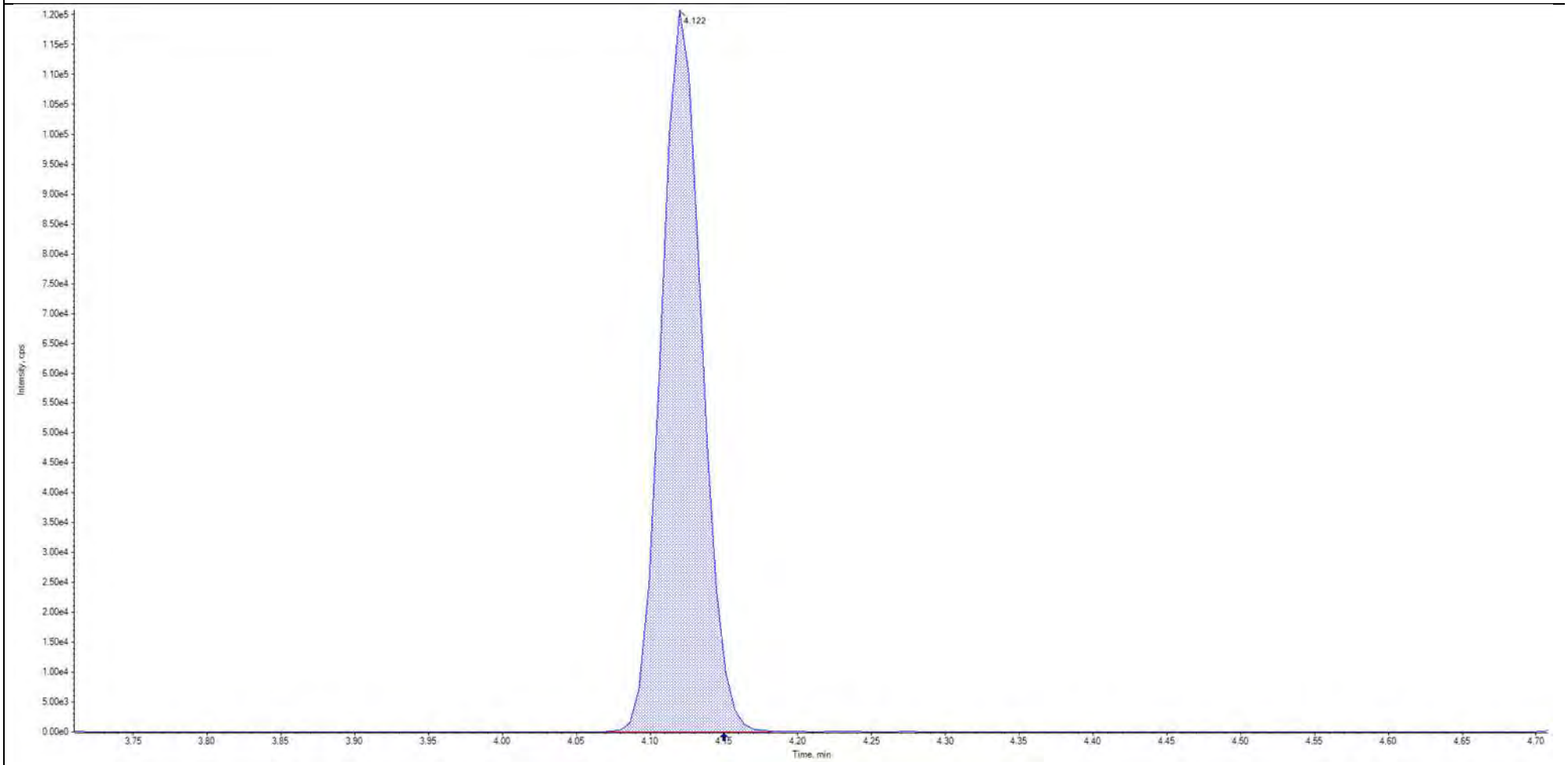

13C2-PFDoA
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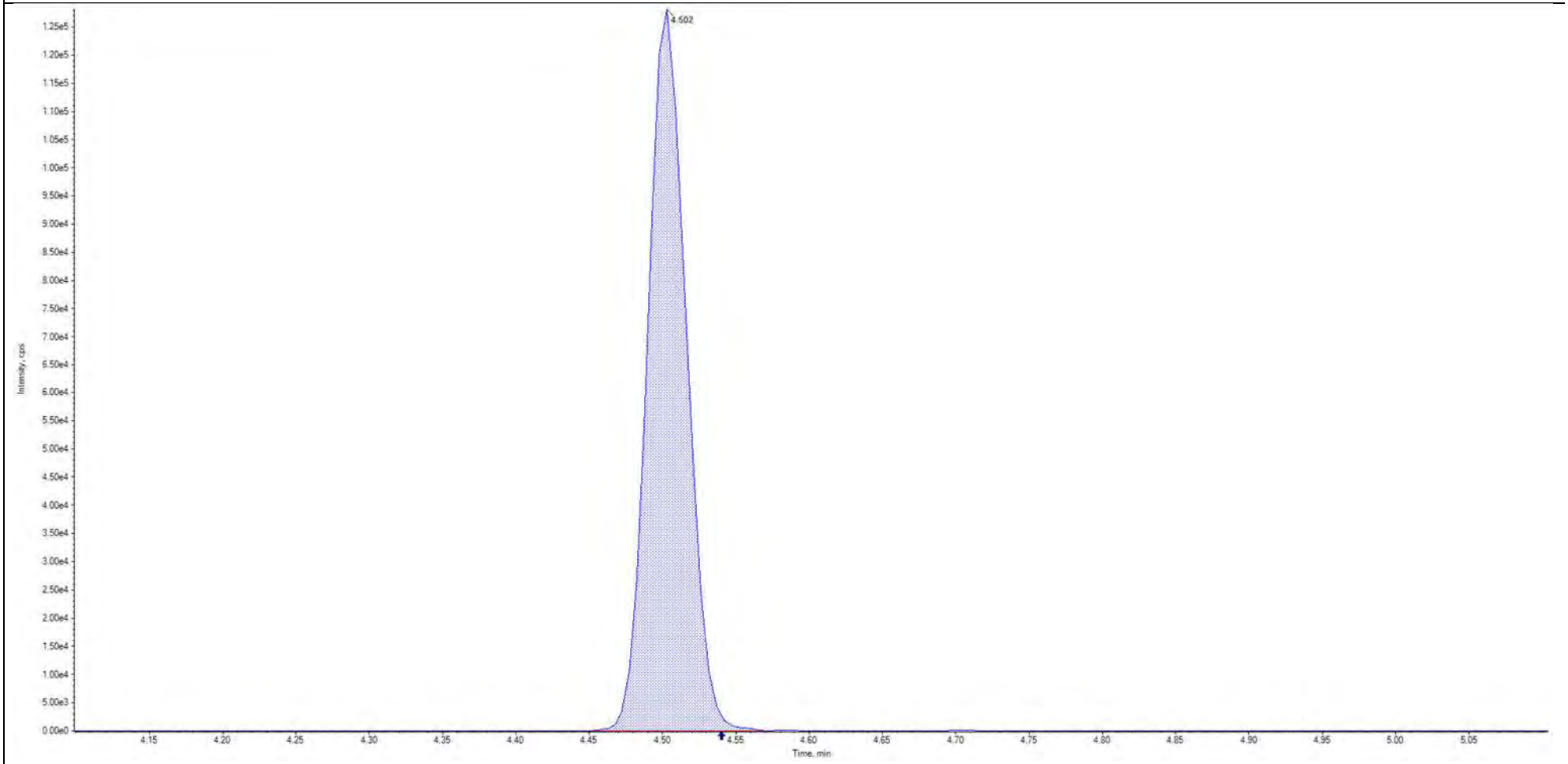
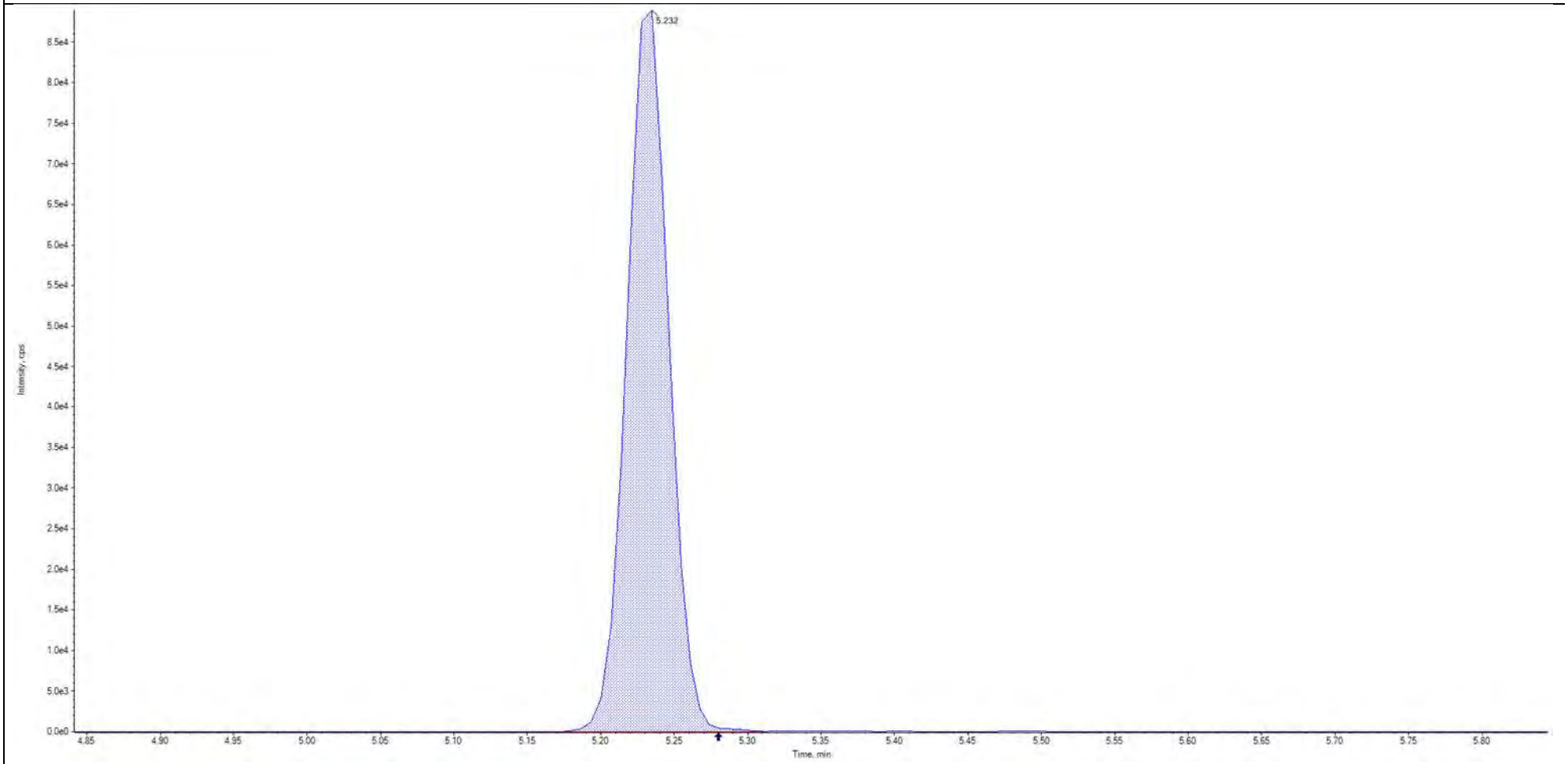
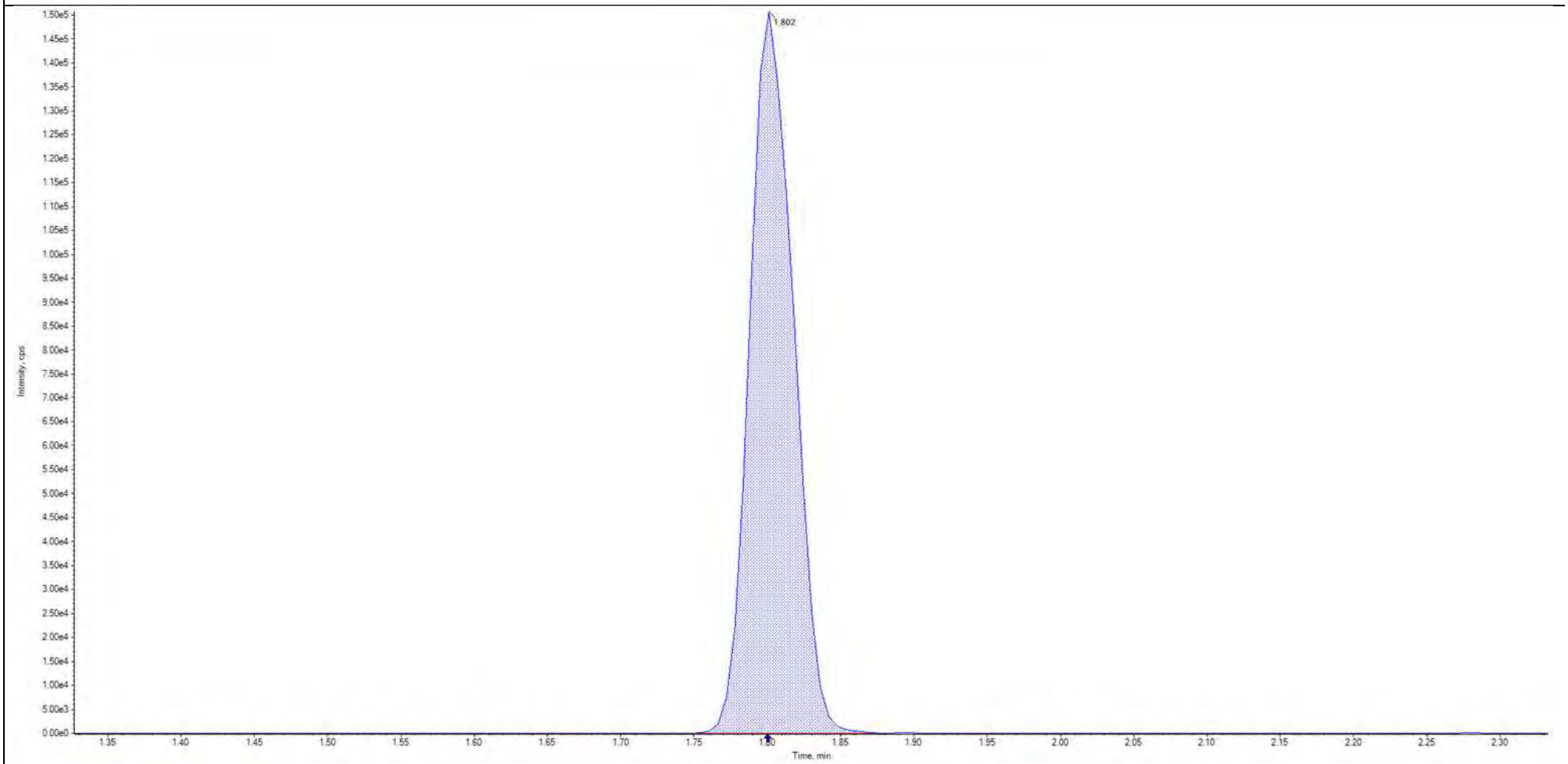


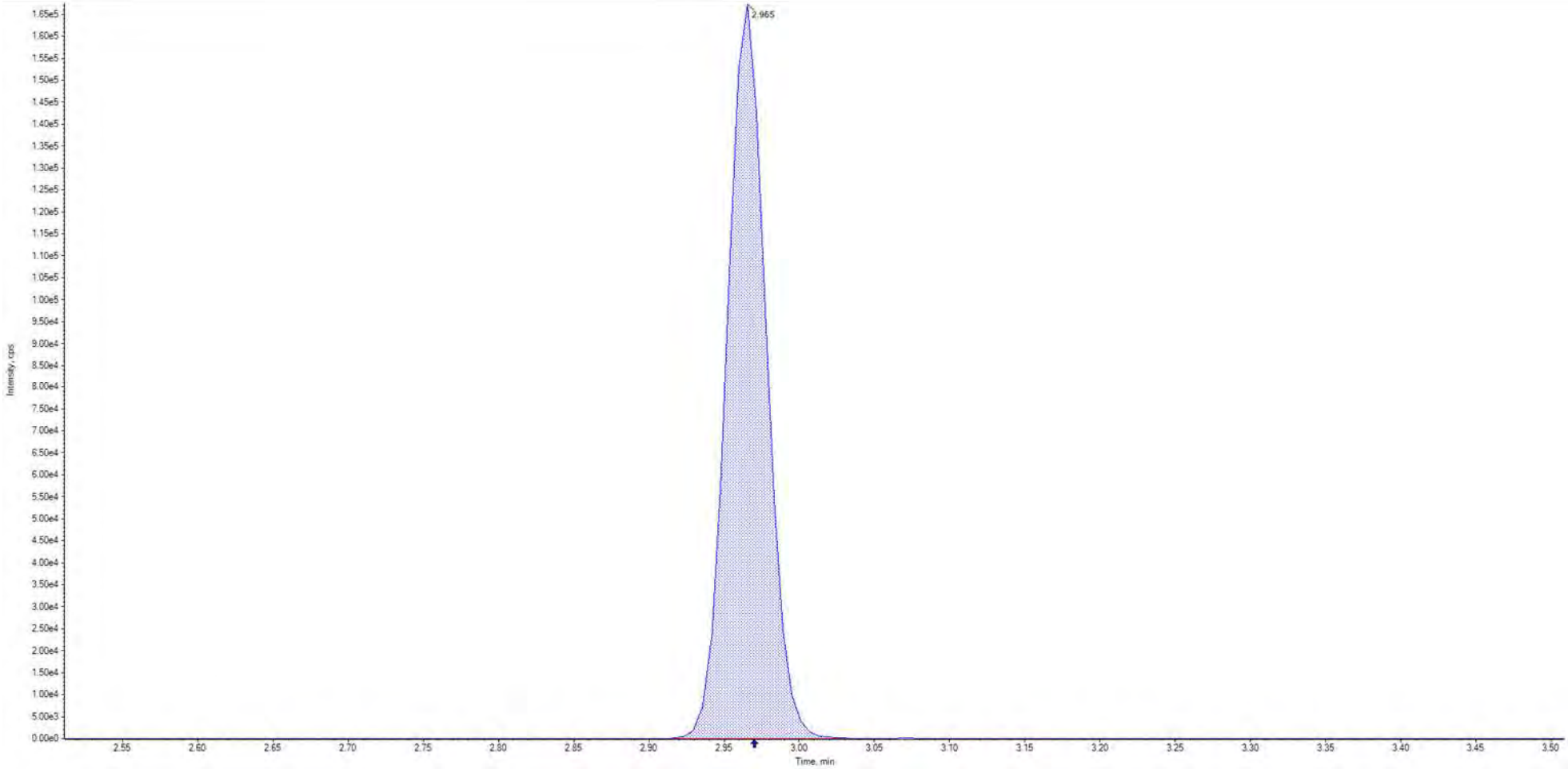
13C2-PFTeDA
Sample: WG2012727-3



13C3-PFBS
Sample: WG2012727-3



13C3-PFHxS
Sample: WG2012727-3



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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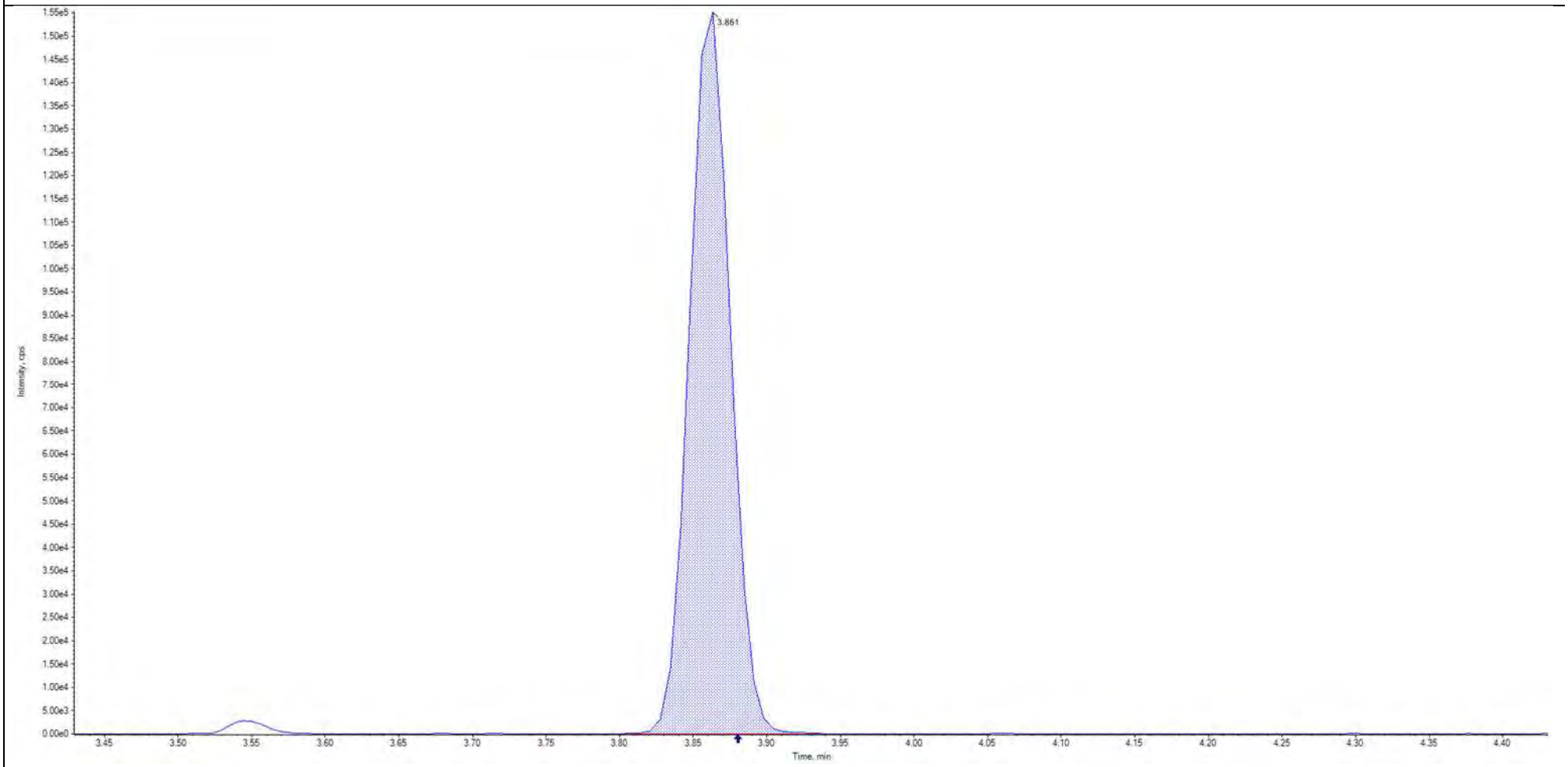
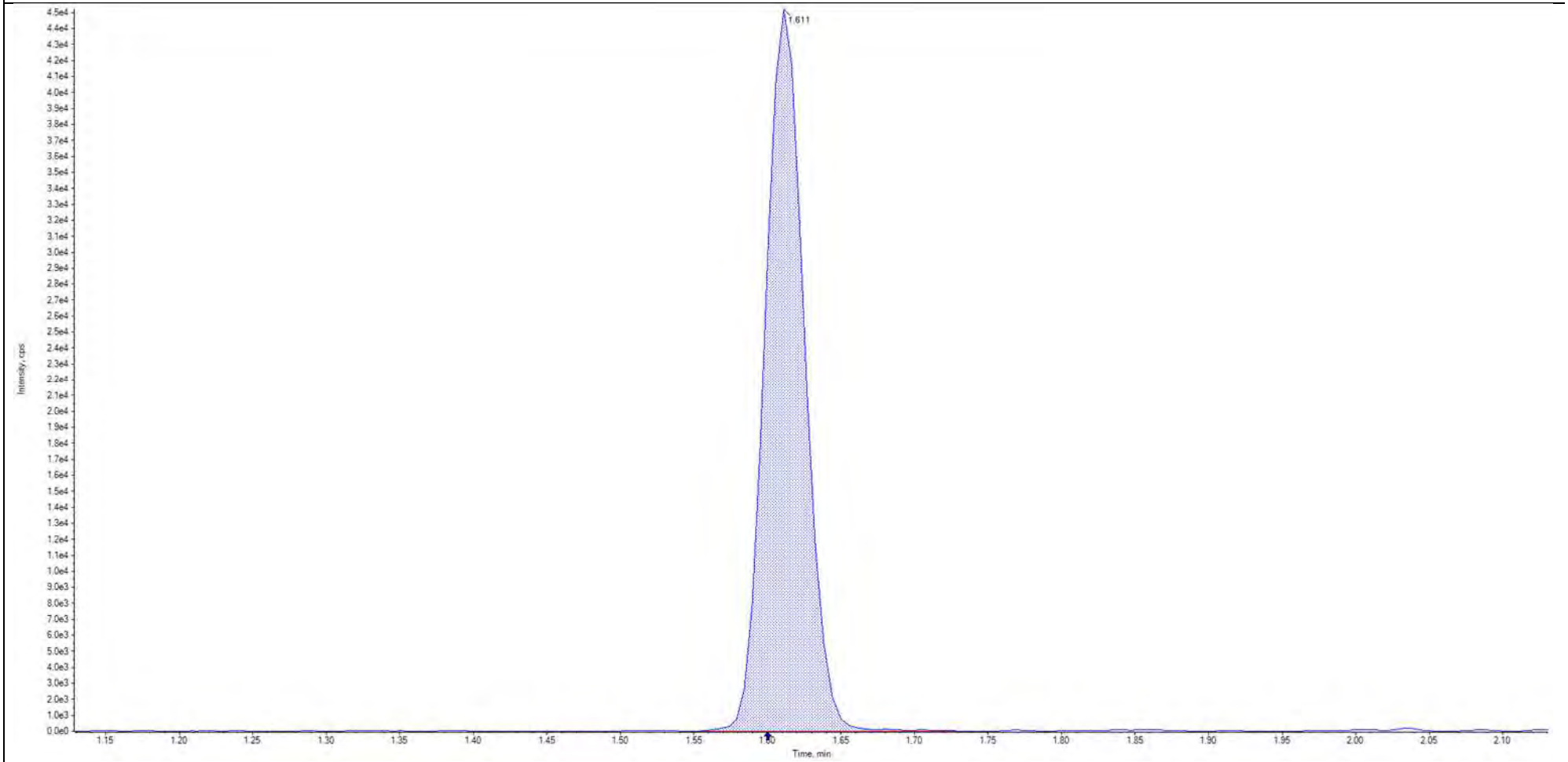
13C8-PFOS
Sample: WG2012727-3



13C2-4:2FTS
Sample: WG2012727-3



13C2-6:2FTS
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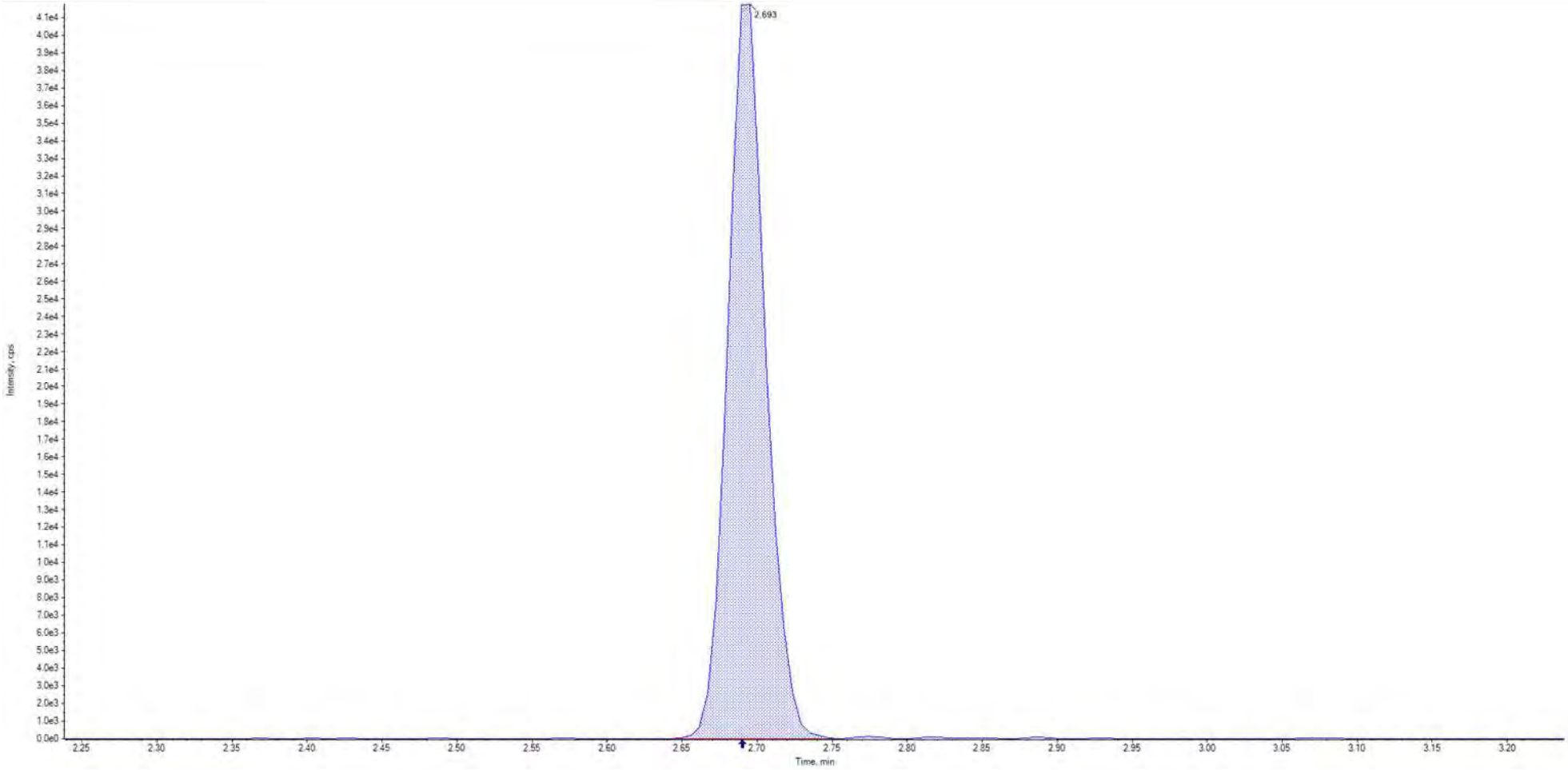

13C2-8:2FTS
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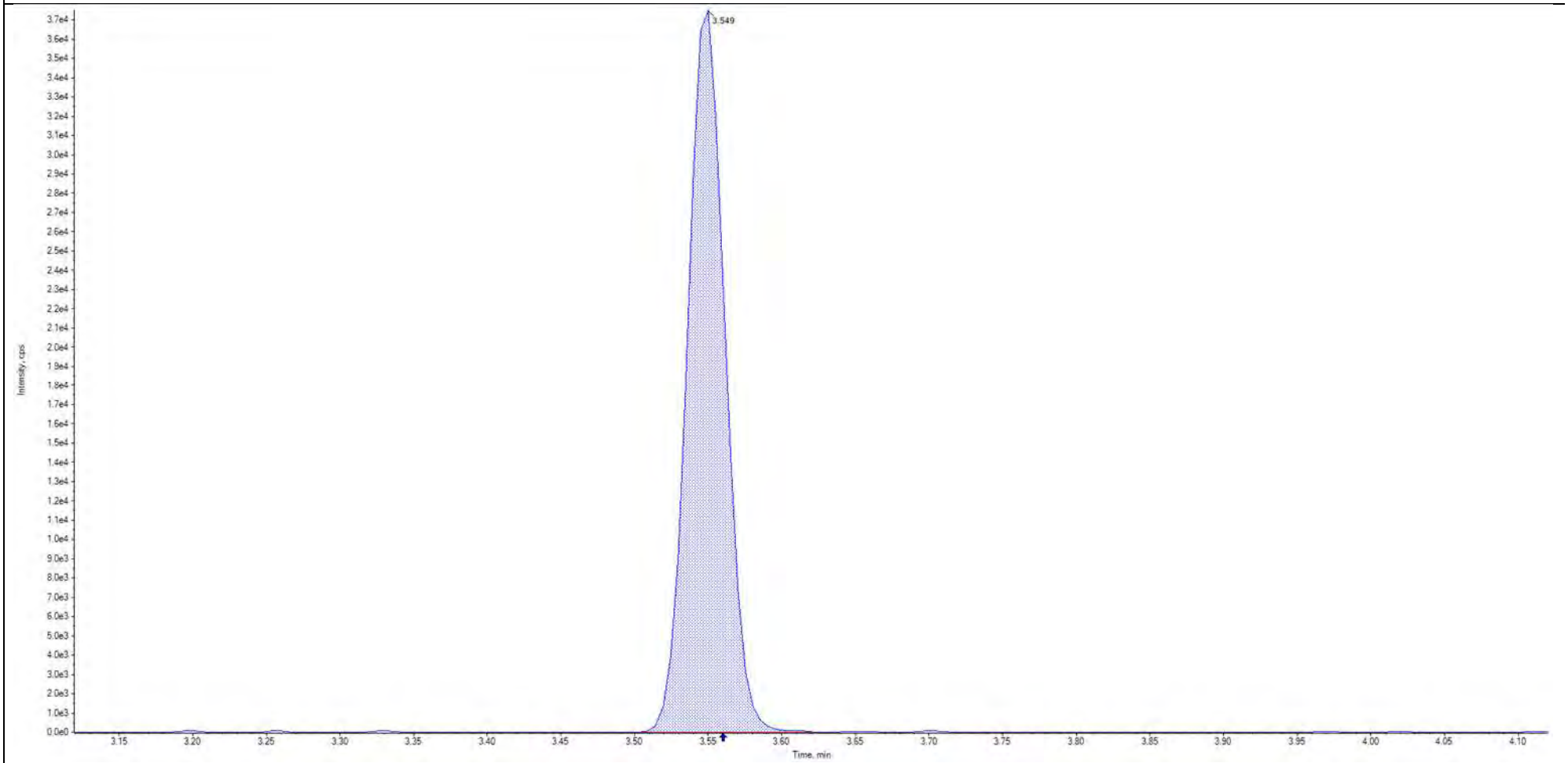

13C8-PFOSA
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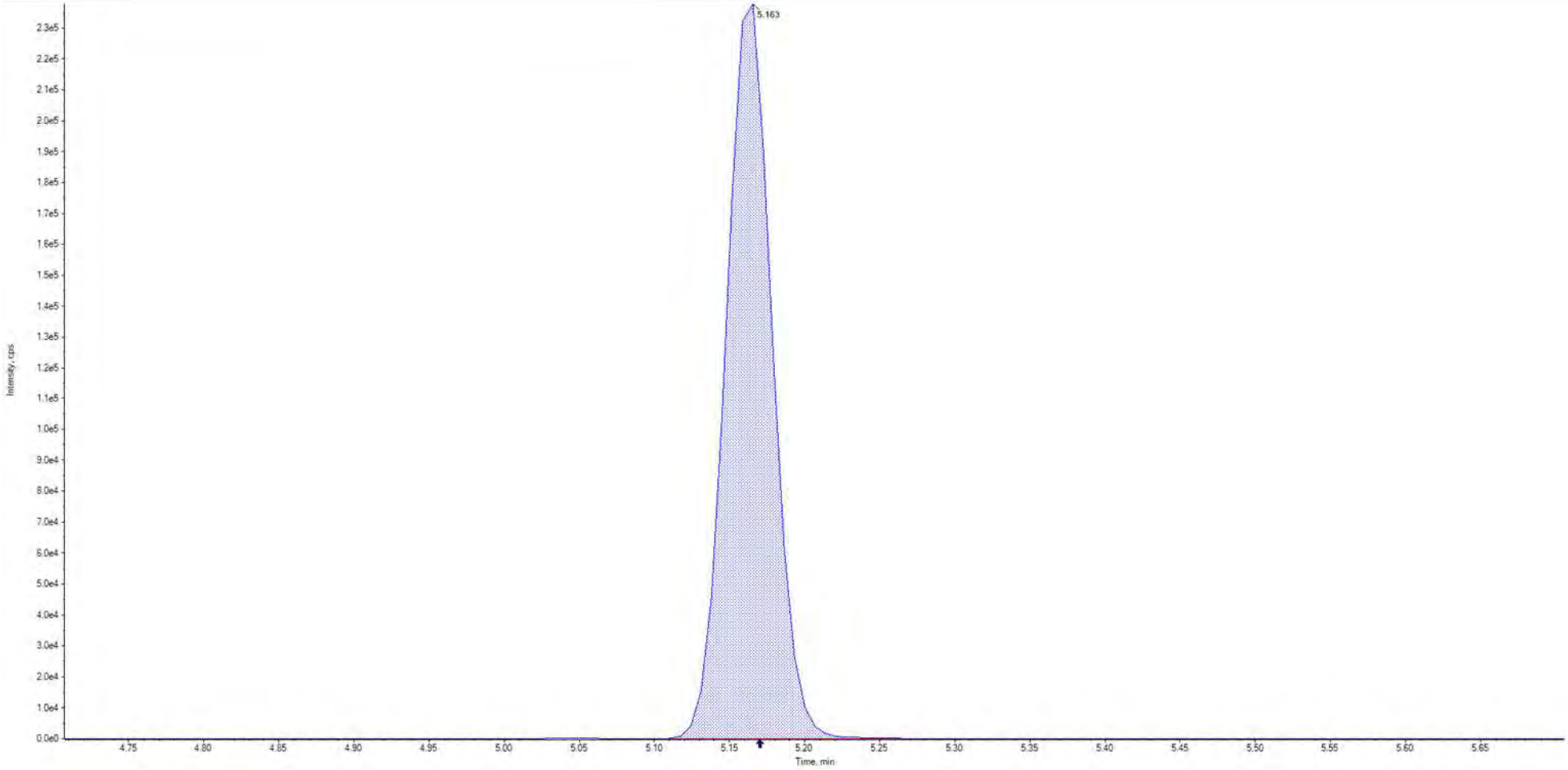
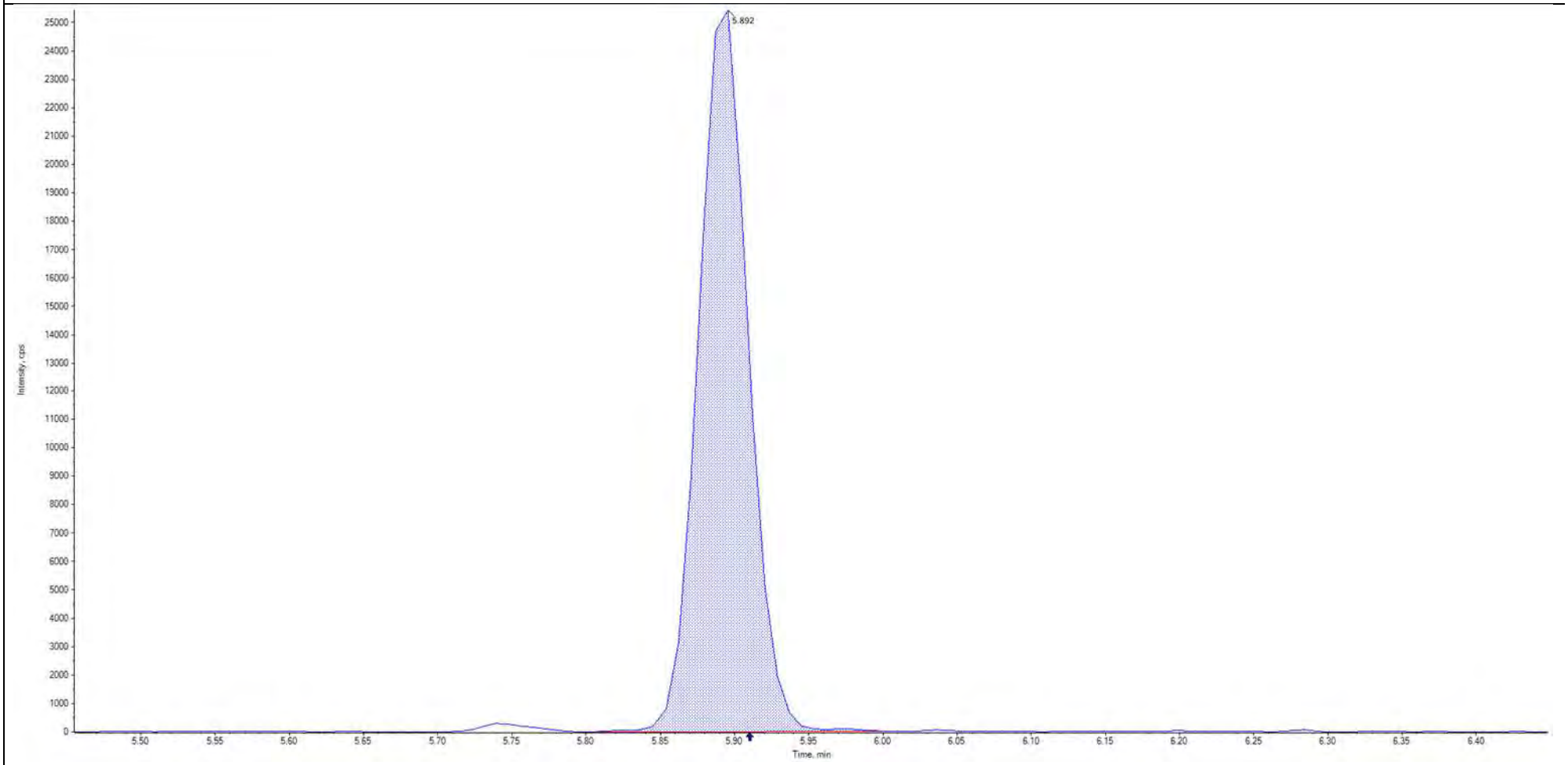


d3-NMeFOSA
Sample: WG2012727-3



d5-NEtFOSA
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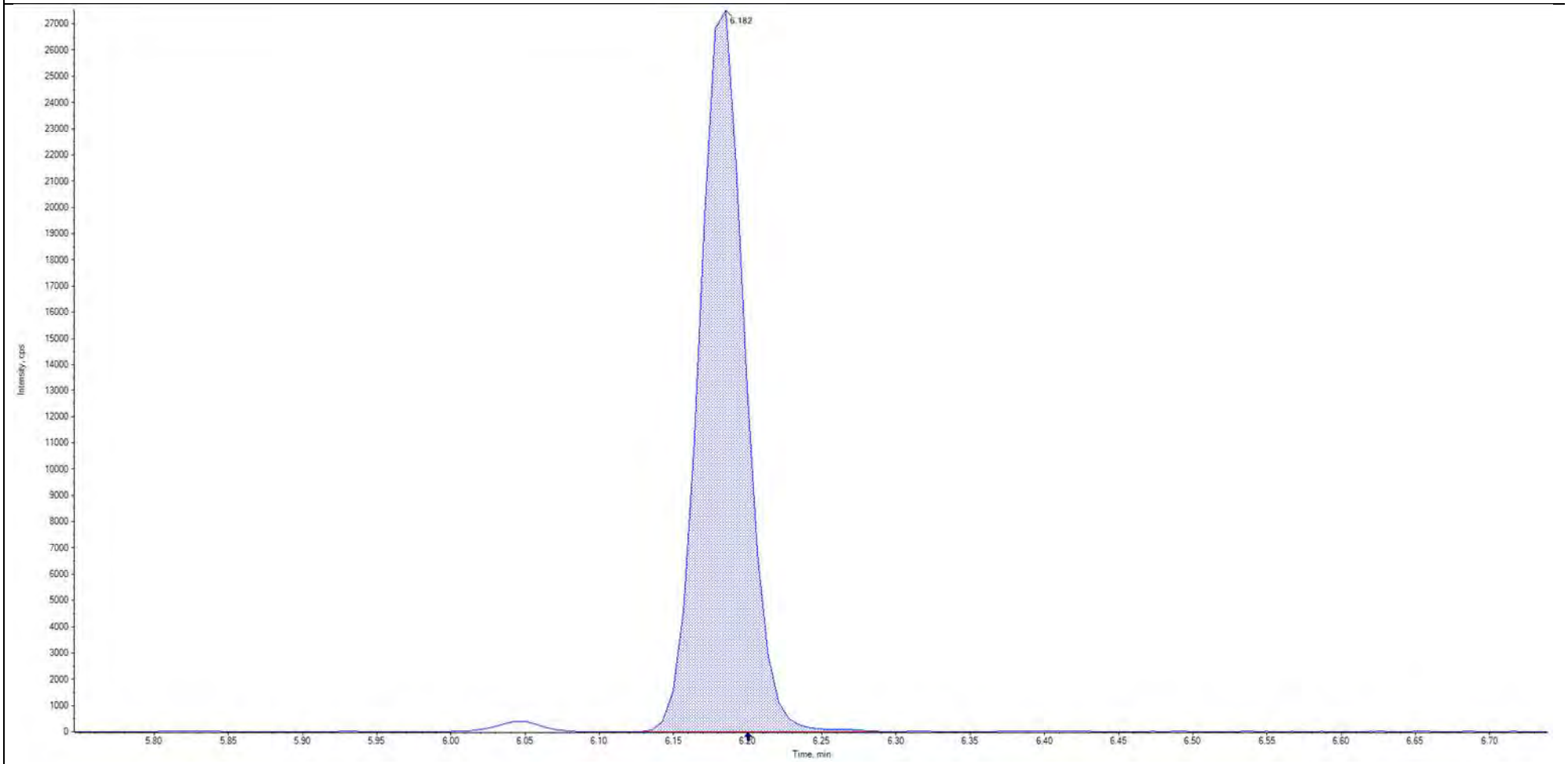

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d3-NMeFOSAA
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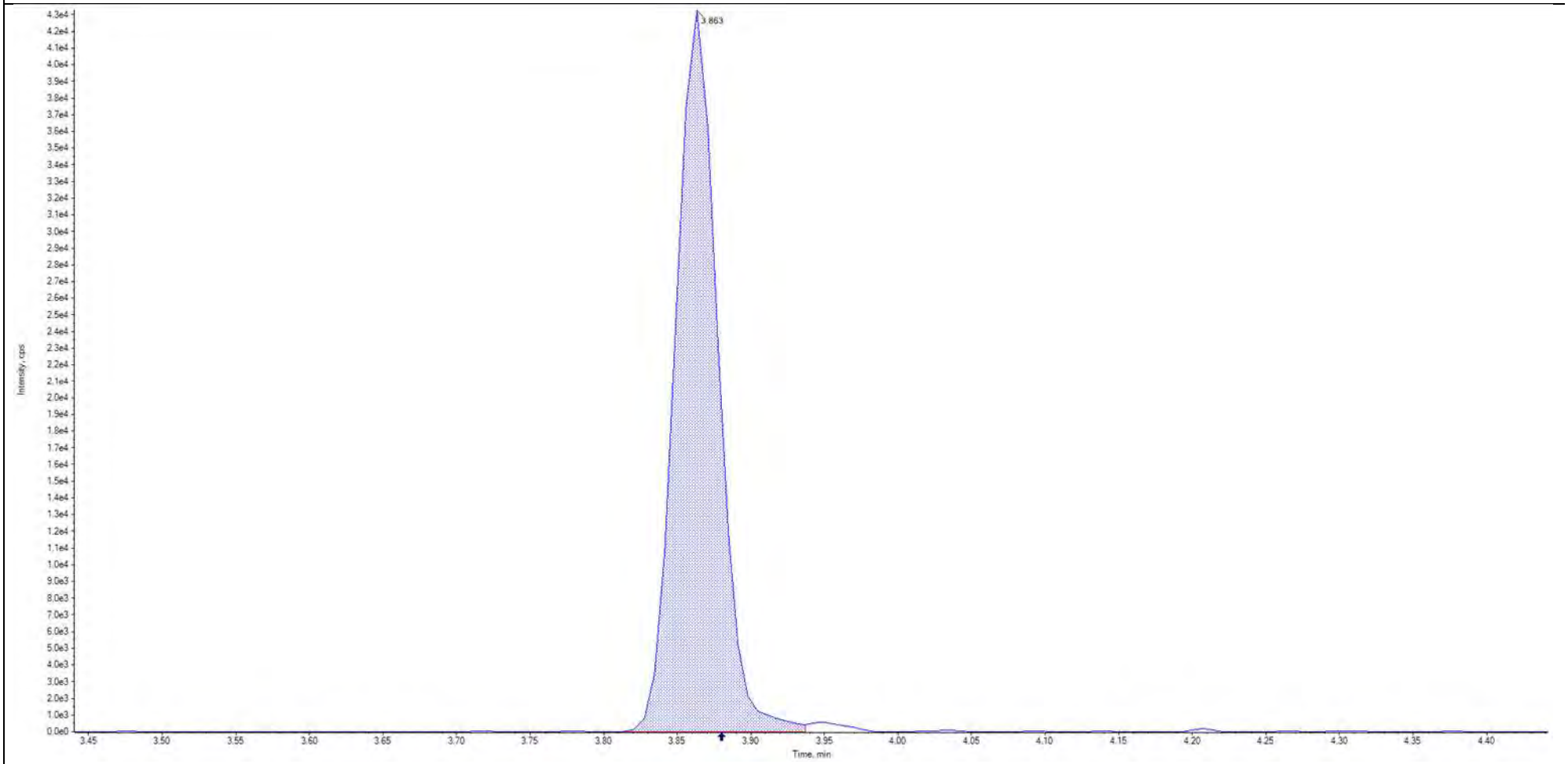
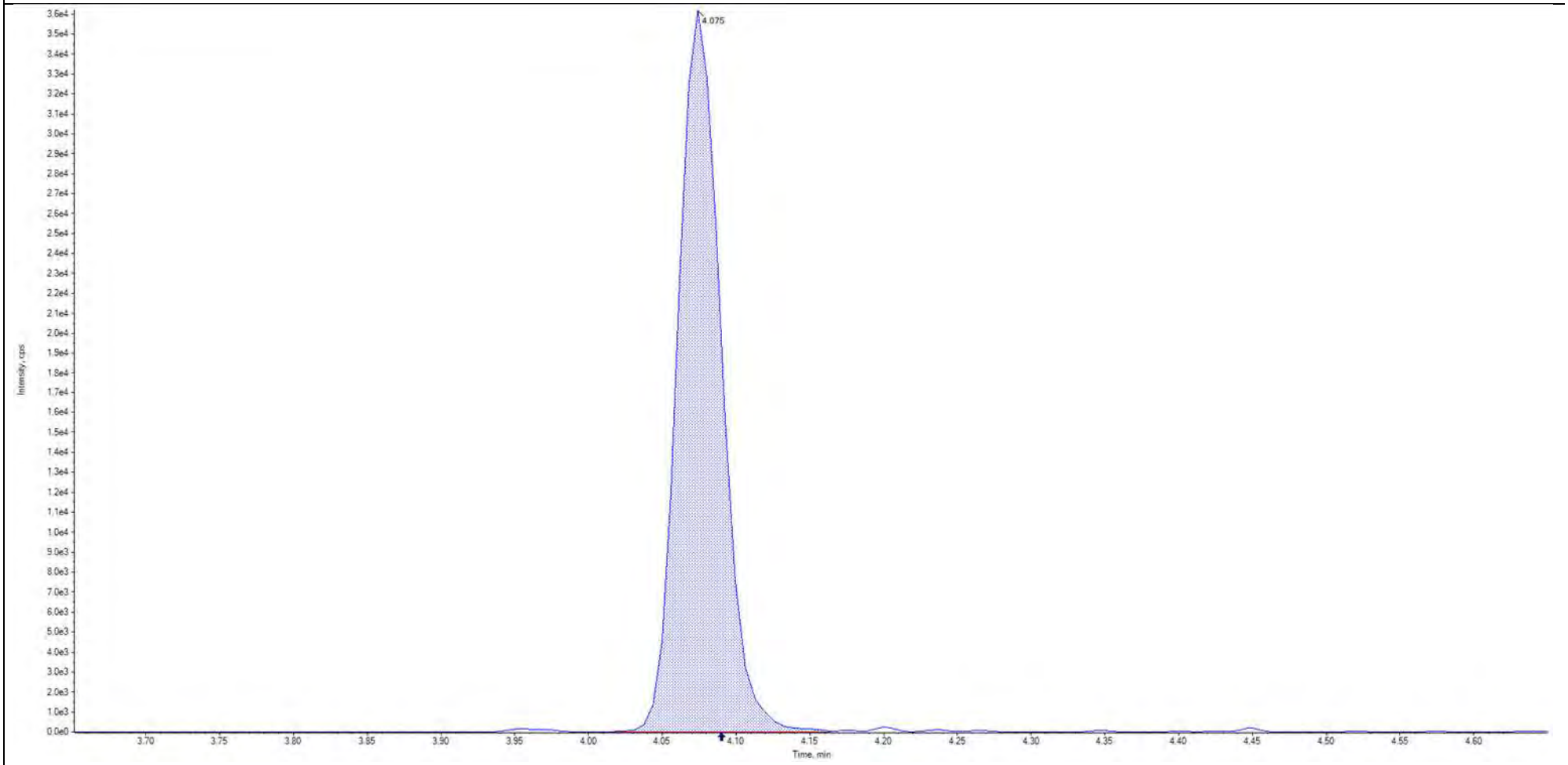
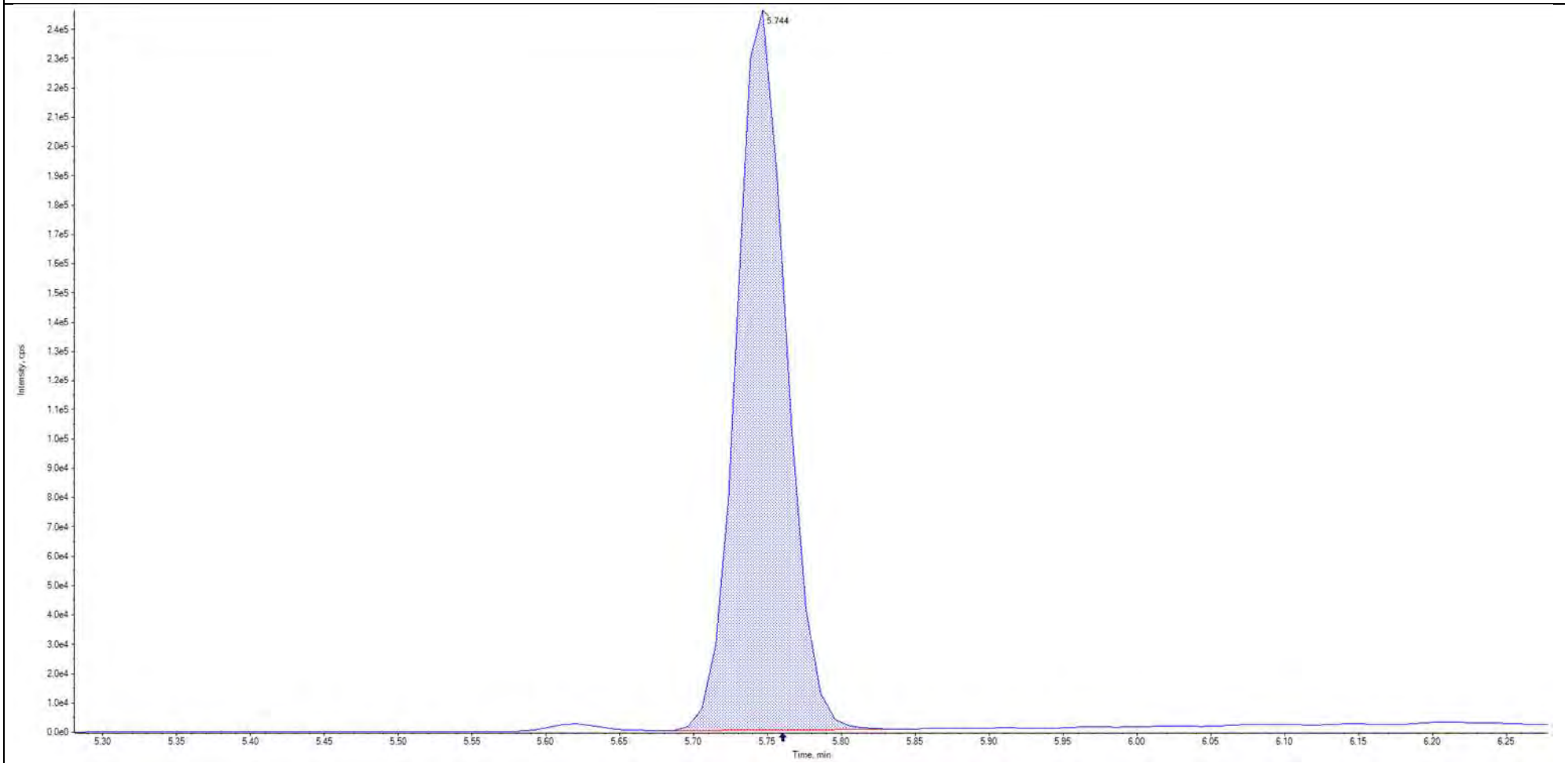


d5-NEtFOSAA
Sample: WG2012727-3



d7-NMeFOSE
Sample: WG2012727-3



d9-NEtFOSE
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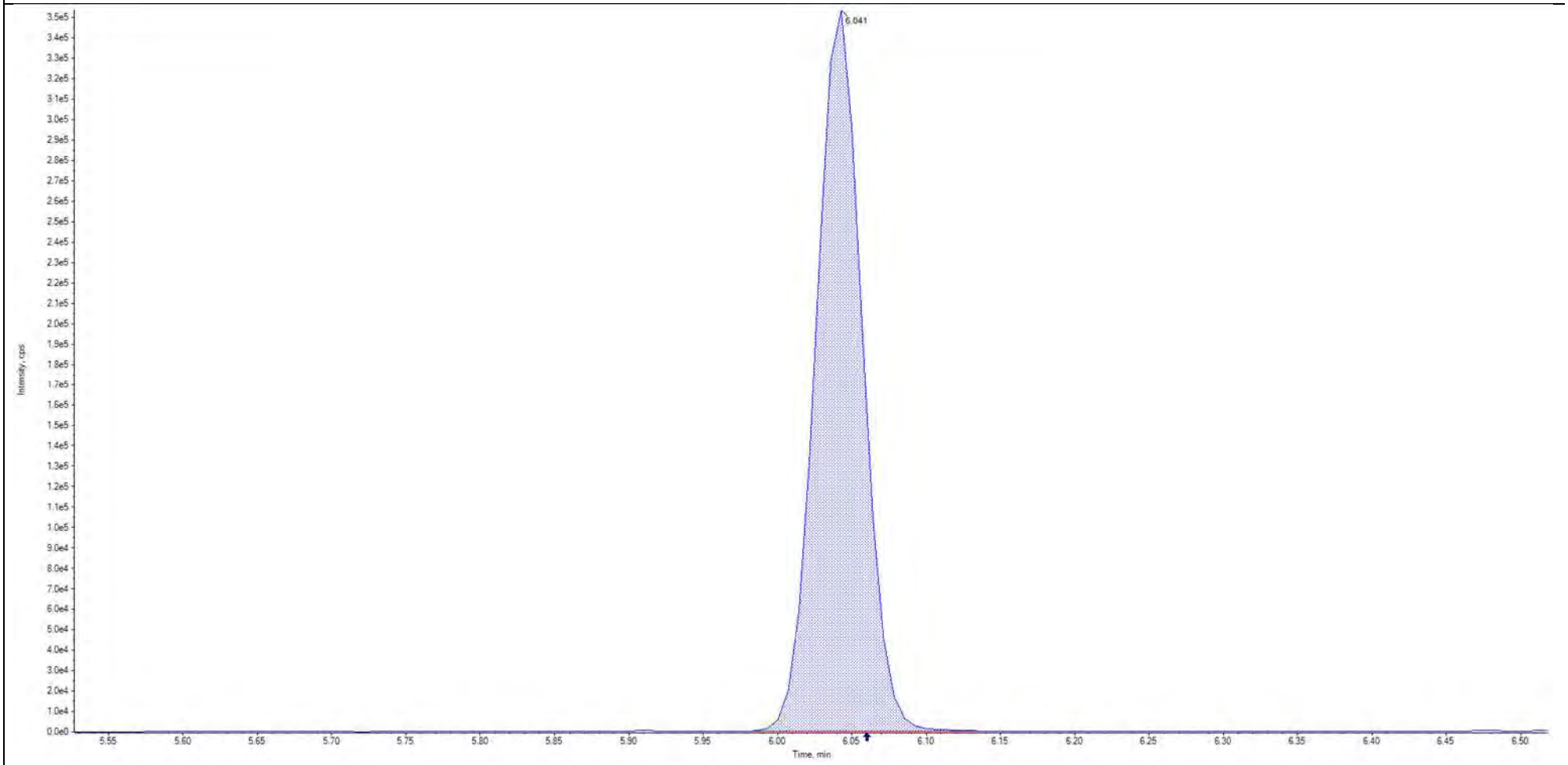
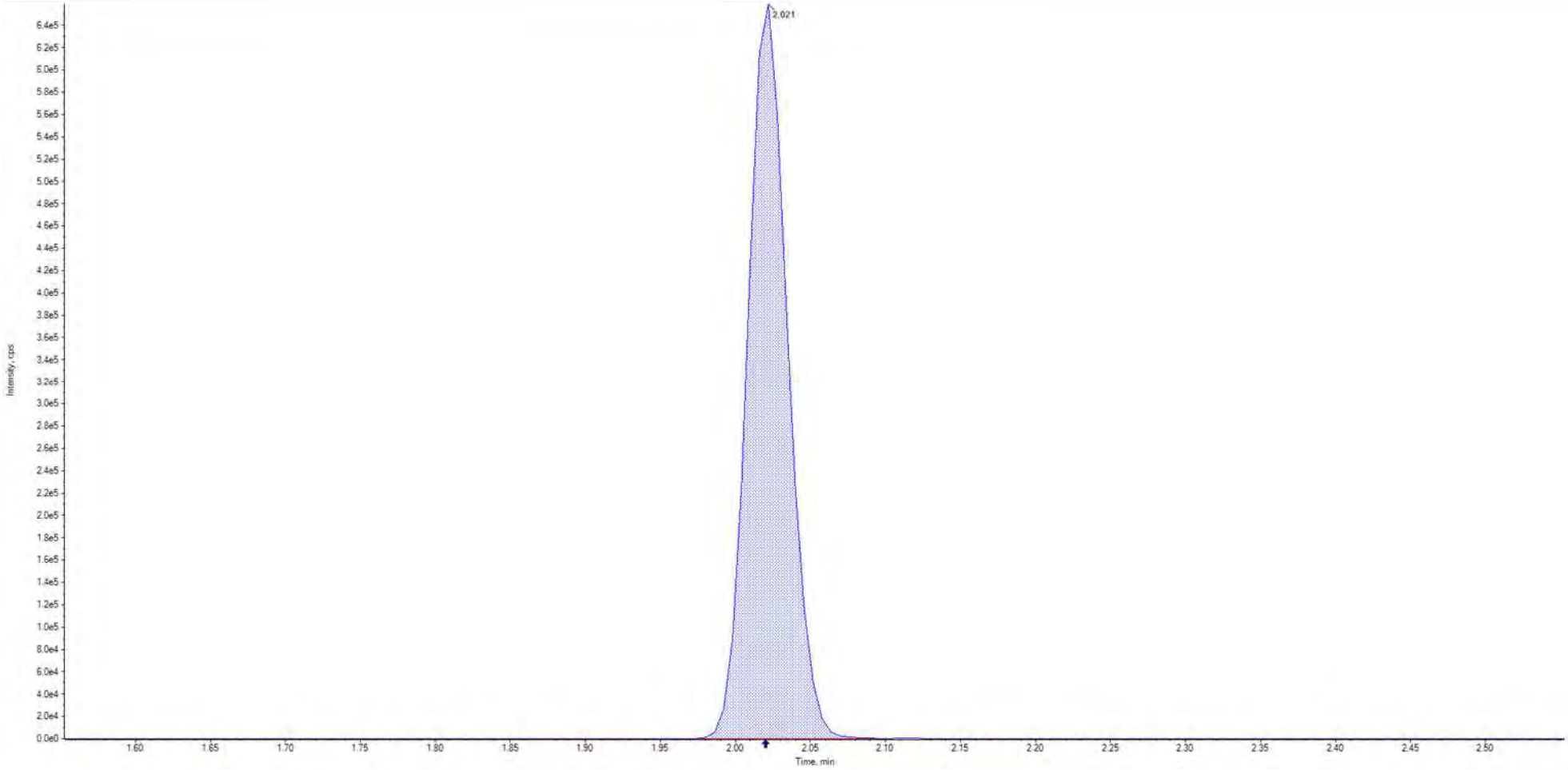
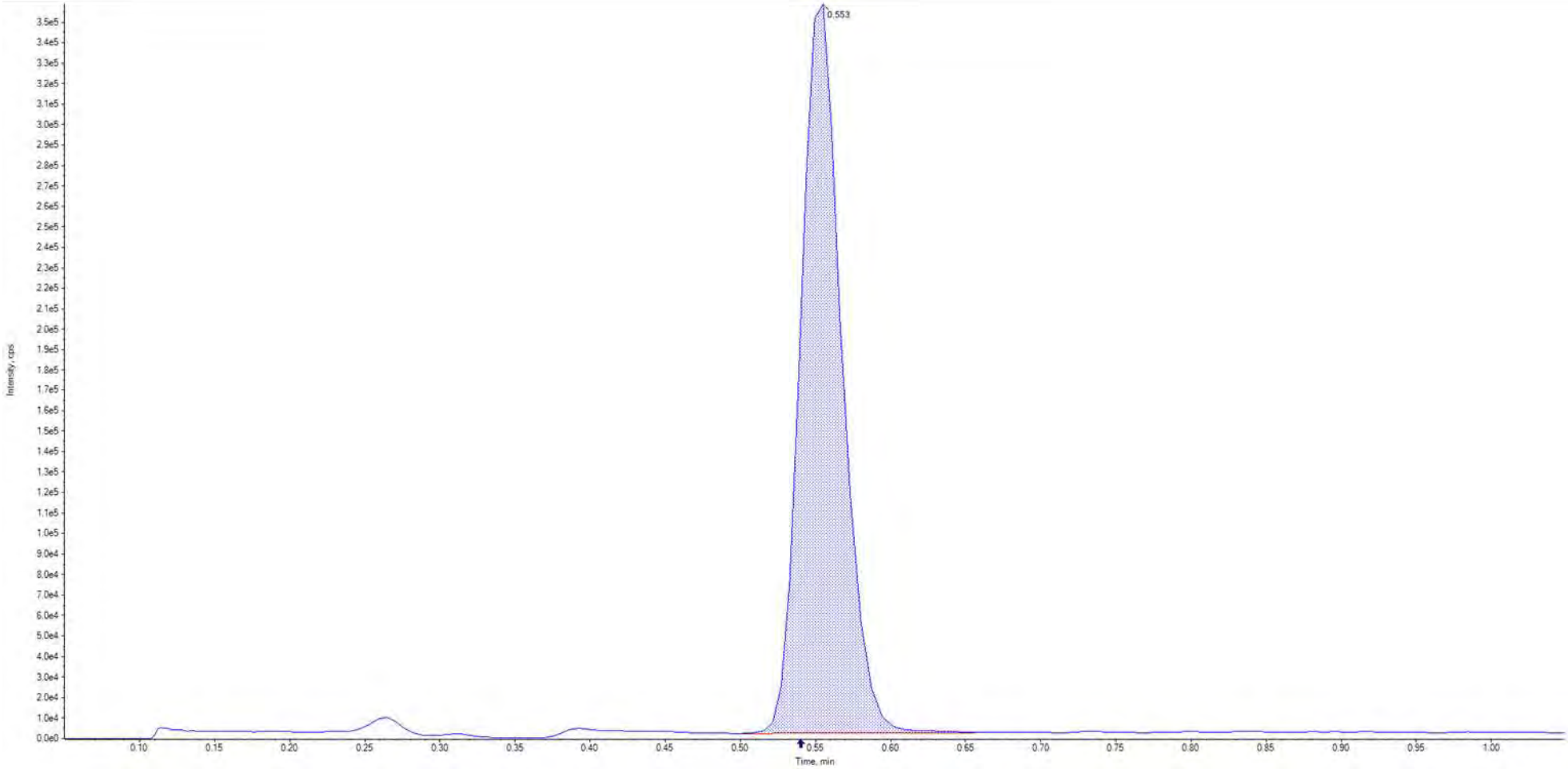


13C3-HFPO-DA
Sample: WG2012727-3



13C3-PFBA
Sample: WG2012727-3



13C2-PFHxA
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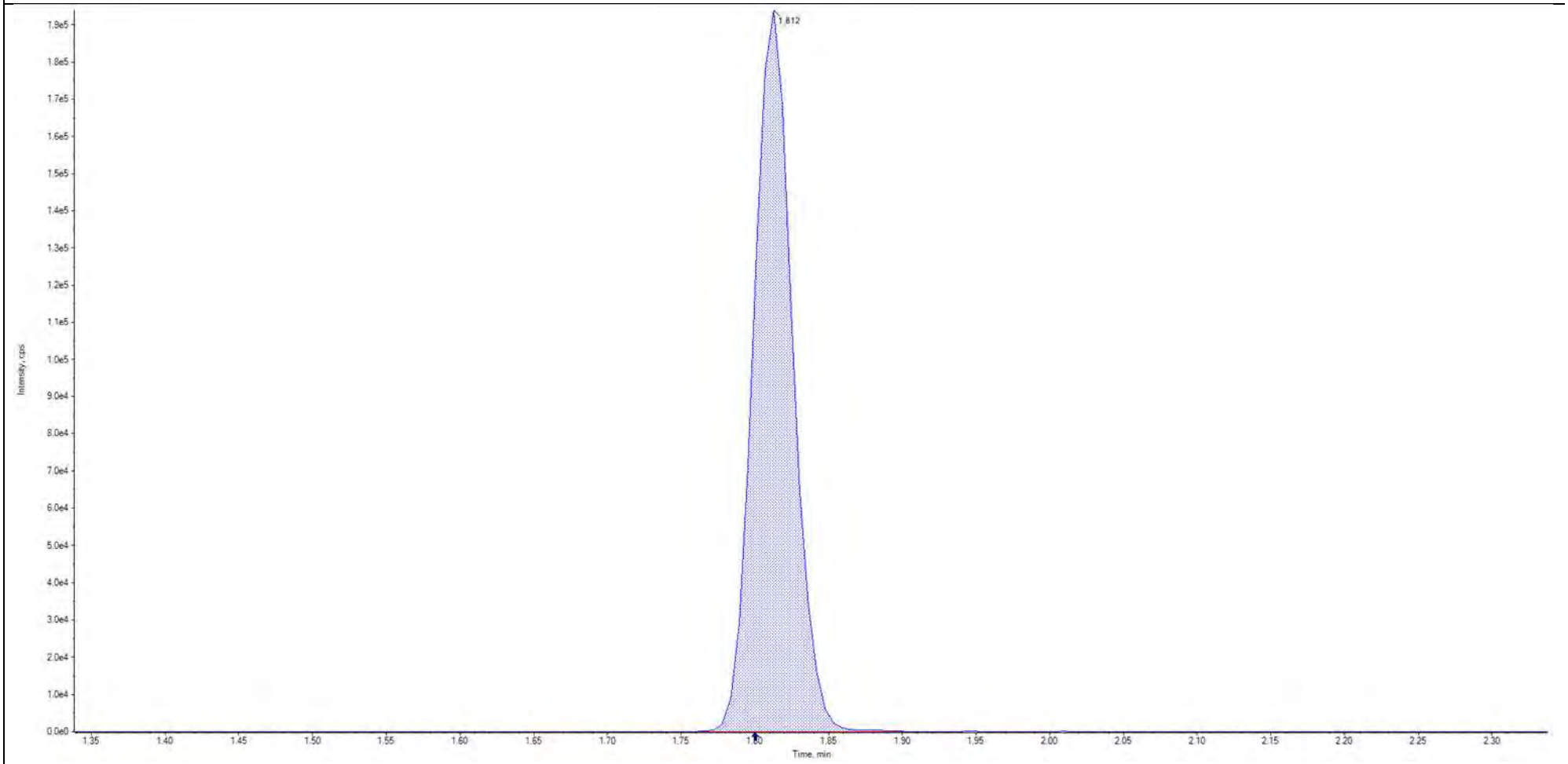
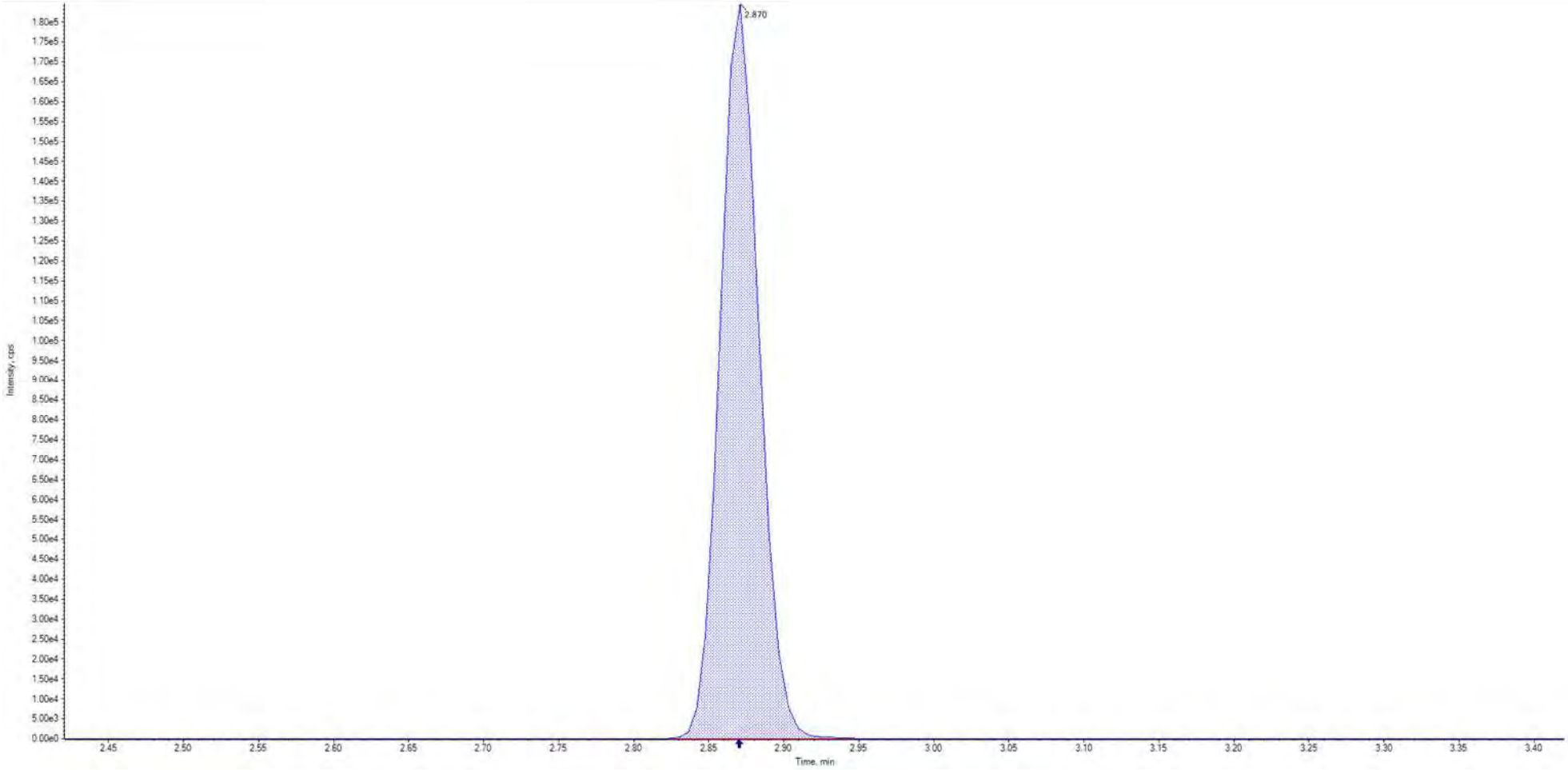


13C4-PFOA
Sample: WG2012727-3



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_21.wiff2_6
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

13C5-PFNA
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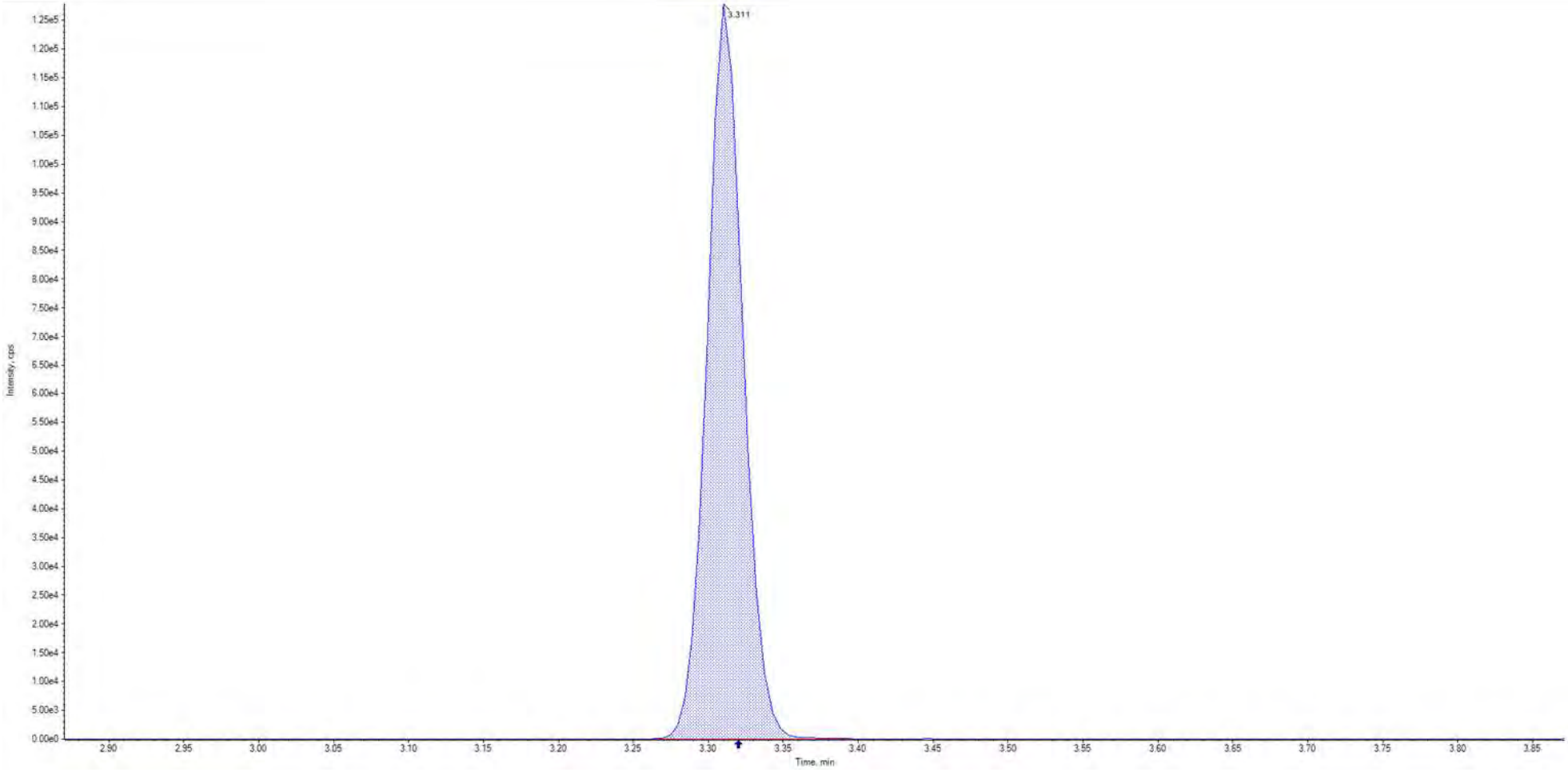
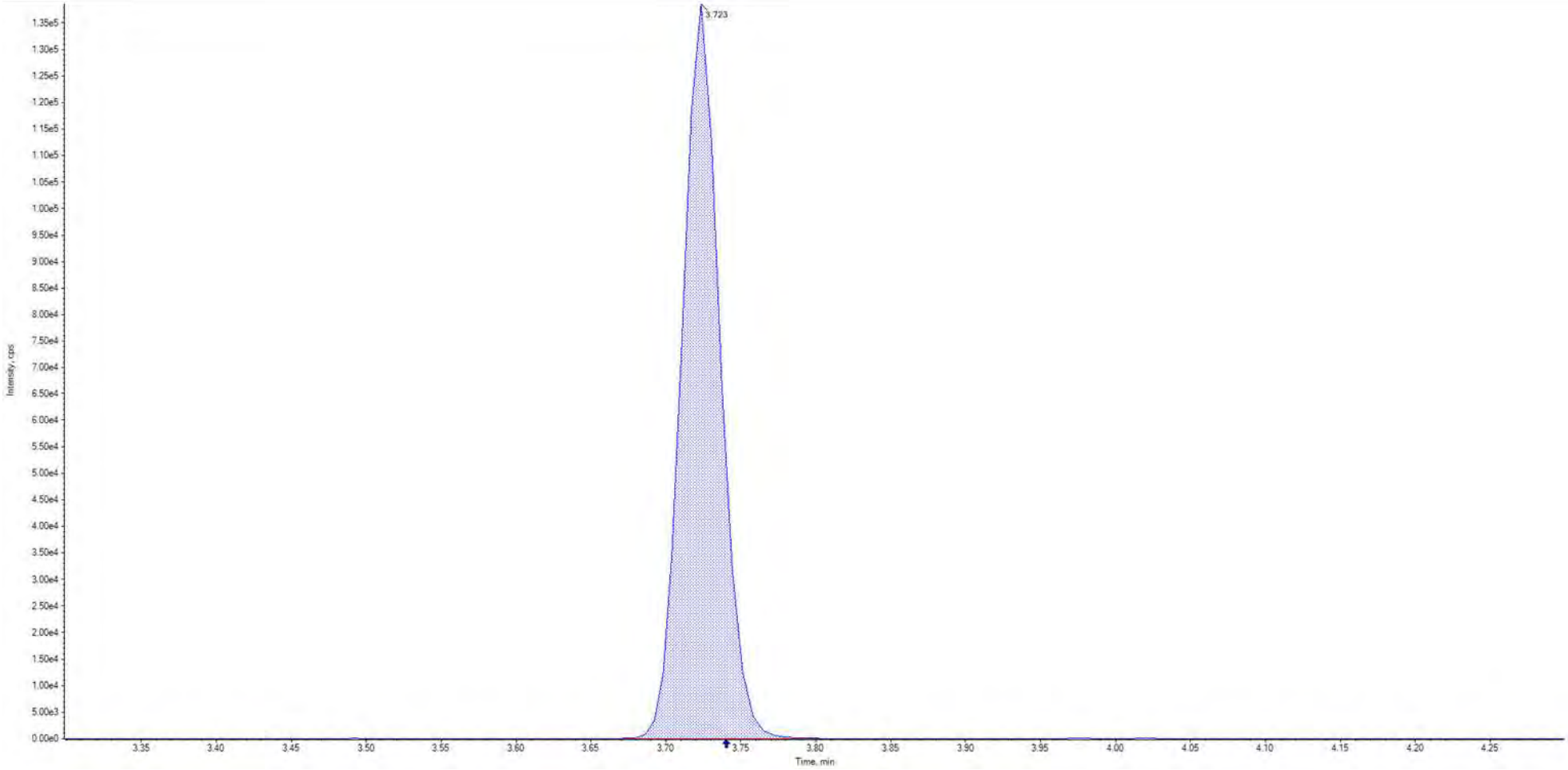
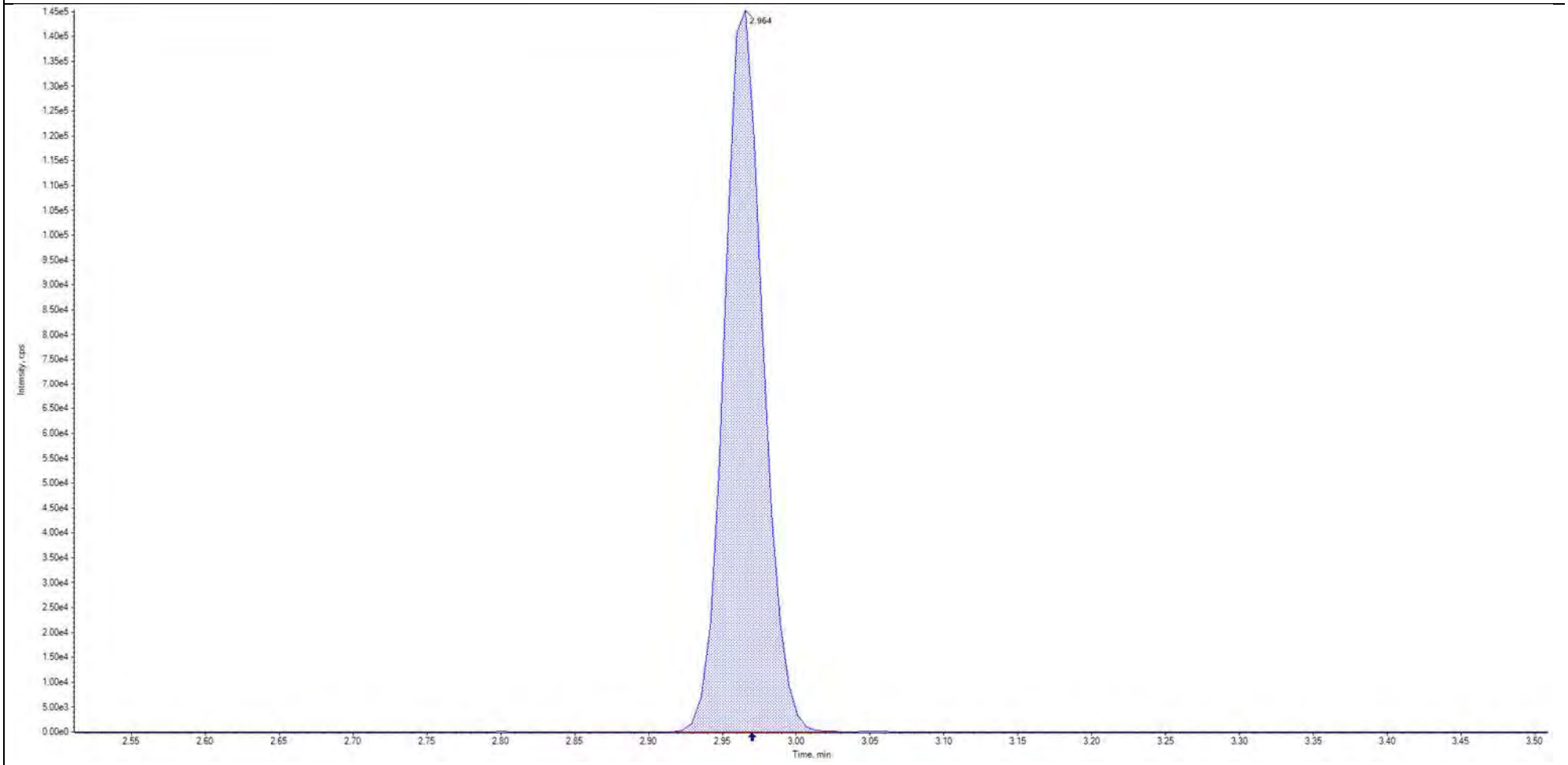


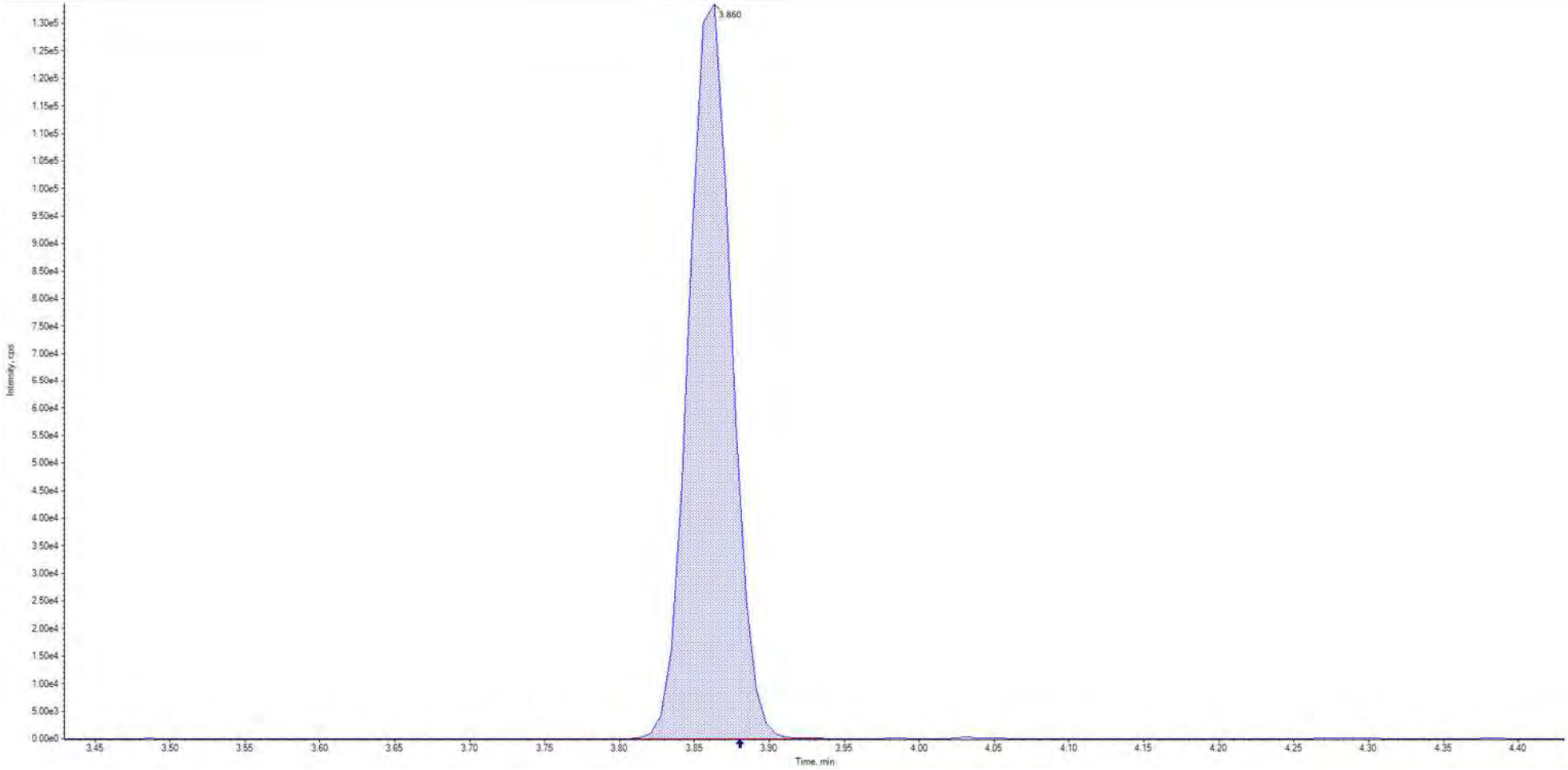
13C2-PFDA
Sample: WG2012727-3



18O2-PFHxS
Sample: WG2012727-3



13C4-PFOS
Sample: WG2012727-3



Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_21.wiff2_6
Last Altered: 12/24/2024 7:52:08 AM
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Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Method: EPA1633F.qmethod
Calibration: 241112_1633_ICAL

ID: WG2012727-2R
Name: SCI09_241224_19.wiff2
Date & Time: 2024-12-24T11:48:00
Description: WG2013165,WG2012727,ICAL21696
Instrument: SCIEX Triple Quad 5500+
User: LCMS09:AC

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.54	213.0 / 169.0	223558		1.614	N/A	N/A	N/A	100.9
2	PFPeA	2706-90-3	1.05	263.0 / 219.0	96533		0.793	0.009	N/A	N/A	99.2
3	PFPeA_2	2706-90-3	1.05	263.0 / 68.9	888	m2	0.838	0.009	N/A	N/A	104.7
4	PFHxA	307-24-4	1.81	313.0 / 269.0	65966		0.458	0.093	0.089	Pass	114.4
5	PFHxA_2	307-24-4	1.81	313.0 / 119.0	6139		0.469	0.093	0.089	Pass	117.2
6	PFHpA	375-85-9	2.39	363.1 / 319.0	71198		0.476	0.387	0.384	Pass	119.1
7	PFHpA_2	375-85-9	2.39	363.1 / 169.0	27525		0.473	0.387	0.384	Pass	118.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	2.88	413.1 / 369.1	72762	m5	0.416	0.371	0.410	Pass	103.9
9	PFOA_2	335-67-1	2.88	413.1 / 169.0	26993	m5	0.377	0.371	0.410	Pass	94.3
10	PFNA	375-95-1	3.32	462.8 / 418.9	68417	m5	0.430	0.319	0.341	Pass	107.5
11	PFNA_2	375-95-1	3.32	462.8 / 219.0	21852	m5	0.398	0.319	0.341	Pass	99.6
12	PFDA	335-76-2	3.73	513.1 / 469.1	69465		0.421	0.151	0.215	Pass	105.3
13	PFDA_2	335-76-2	3.73	513.1 / 219.0	10472		0.337	0.151	0.215	Pass	84.3
14	PFUnA	2058-94-8	4.13	563.1 / 519.1	68562		0.403	0.143	0.151	Pass	100.9
15	PFUnA_2	2058-94-8	4.12	563.1 / 269.0	9771		0.386	0.143	0.151	Pass	96.6
16	PFDoA	307-55-1	4.51	613.1 / 569.1	76995		0.420	0.153	0.140	Pass	105.0
17	PFDoA_2	307-55-1	4.51	613.1 / 319.0	11818		0.459	0.153	0.140	Pass	114.7
18	PFTrDA	72629-94-8	4.88	663.1 / 619.1	66841		0.401	0.149	0.159	Pass	100.2
19	PFTrDA_2	72629-94-8	4.88	663.1 / 169.0	9965		0.386	0.149	0.159	Pass	96.5
20	PFTeDA	376-06-7	5.23	713.1 / 669.1	60151		0.420	0.161	0.159	Pass	105.0
21	PFTeDA_2	376-06-7	5.23	713.1 / 169.0	9659		0.422	0.161	0.159	Pass	105.5
22	PFBS	375-73-5	1.80	299.1 / 80.1	49287		0.348	0.389	0.398	Pass	97.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	1.80	299.1 / 99.1	19156		0.388	0.389	0.398	Pass	103.3
24	PFPeS	2706-91-4	2.44	349.1 / 80.1	50957		0.393	0.263	0.285	Pass	104.4
25	PFPeS_2	2706-91-4	2.44	349.1 / 99.1	13419		0.330	0.263	0.285	Pass	87.9
26	PFHxS	355-46-4	2.97	399.1 / 80.1	39426	m5	0.316	0.289	0.293	Pass	86.9
27	PFHxS_2	355-46-4	2.97	399.1 / 99.1	11413	m5	0.319	0.289	0.293	Pass	87.5
28	PFHpS	375-92-8	3.43	449.1 / 80.1	42246		0.400	0.303	0.308	Pass	105.2
29	PFHpS_2	375-92-8	3.43	449.1 / 99.1	12804		0.415	0.303	0.308	Pass	109.2
30	PFOS	1763-23-1	3.87	499.1 / 80.1	43134	m5	0.352	0.239	0.241	Pass	94.6
31	PFOS_2	1763-23-1	3.87	499.1 / 99.1	10328	m5	0.348	0.239	0.241	Pass	93.5
32	PFNS	68259-12-1	4.27	549.1 / 80.1	30013		0.340	0.320	0.299	Pass	88.6
33	PFNS_2	68259-12-1	4.27	549.1 / 99.1	9597		0.373	0.320	0.299	Pass	97.2
34	PFDS	335-77-3	4.66	599.1 / 80.1	31706		0.338	0.264	0.274	Pass	87.6
35	PFDS_2	335-77-3	4.66	599.1 / 99.1	8381		0.313	0.264	0.274	Pass	81.0
36	PFDoS	79780-39-5	5.38	699.2 / 80.1	28609		0.351	0.240	0.247	Pass	90.3
37	PFDoS_2	79780-39-5	5.38	699.2 / 99.1	6860		0.328	0.240	0.247	Pass	84.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	1.60	327.1 / 307.1	42469		1.493	0.647	0.634	Pass	99.5
39	4:2FTS_2	757124-72-4	1.60	327.1 / 81.1	27488		1.529	0.647	0.634	Pass	101.9
40	6:2FTS	27619-97-2	2.70	427.2 / 407.2	42614		1.798	0.573	0.609	Pass	118.1
41	6:2FTS_2	27619-97-2	2.70	427.2 / 81.1	24398		1.657	0.573	0.609	Pass	108.9
42	8:2FTS	39108-34-4	3.55	527.2 / 507.2	27782		1.580	0.650	0.681	Pass	102.8
43	8:2FTS_2	39108-34-4	3.55	527.2 / 81.1	18059		1.584	0.650	0.681	Pass	103.2
44	PFOSA	754-91-6	5.17	498.1 / 78.1	60167	m5	0.384	0.025	0.024	Pass	96.0
45	PFOSA_2	754-91-6	5.11	498.1 / 478.0	1485	m5	0.384	0.025	0.024	Pass	96.0
46	NMeFOSA	31506-32-8	5.90	512.2 / 219.0	9966	m5	0.409	1.450	1.421	Pass	102.2
47	NMeFOSA_2	31506-32-8	5.86	512.2 / 169.0	14454		0.412	1.450	1.421	Pass	103.1
48	NEtFOSA	4151-50-2	6.20	526.2 / 219.0	9586	m5	0.387	1.248	1.258	Pass	96.6
49	NEtFOSA_2	4151-50-2	6.15	526.2 / 169.0	11967	m5	0.373	1.248	1.258	Pass	93.4
50	NMeFOSAA	2355-31-9	3.87	570.2 / 419.1	5828	m5	0.425	0.681	0.683	Pass	106.4
51	NMeFOSAA_2	2355-31-9	3.87	570.2 / 483.0	3970		0.414	0.681	0.683	Pass	103.5
52	NEtFOSAA	2991-50-6	4.09	584.2 / 419.1	5720	m5	0.384	0.638	0.571	Pass	96.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.08	584.2 / 526.2	3649	m5	0.422	0.638	0.571	Pass	105.4
54	NMeFOSE	24448-09-7	5.77	616.1 / 58.9	193318	m5	4.039	N/A	N/A	N/A	101.0
55	NEtFOSE	1691-99-2	6.07	630.0 / 58.9	270837	m5	4.171	N/A	N/A	N/A	104.3
56	HFPO-DA	13252-13-6	2.02	285.0 / 169.0	204720		1.649	0.565	0.510	Pass	103.1
57	HFPO-DA_2	13252-13-6	2.02	285.0 / 184.9	115678		1.737	0.565	0.510	Pass	108.6
58	ADONA	919005-14-4	2.57	376.9 / 251.0	339907		1.753	0.816	0.636	Pass	116.0
59	ADONA_2	919005-14-4	2.58	376.9 / 84.8	277381		1.882	0.816	0.636	Pass	124.4
60	9Cl-PF3ONS	756426-58-1	4.15	530.8 / 351.1	374688		1.698	0.328	0.326	Pass	113.8
61	9Cl-PF3ONS_2	756426-58-1	4.15	532.8 / 353.0	123014		1.667	0.328	0.326	Pass	111.7
62	11Cl-PF3OUdS	763051-92-9	4.92	630.9 / 451.0	331987		1.698	0.313	0.318	Pass	112.6
63	11Cl-PF3OUdS_2	763051-92-9	4.92	632.9 / 452.9	103836		1.659	0.313	0.318	Pass	110.0
64	3:3FTCA	356-02-5	1.56	241.1 / 177.1	23828		2.430	0.936	1.068	Pass	121.5
65	3:3FTCA_2	356-02-5	1.56	241.1 / 117.0	22314		2.123	0.936	1.068	Pass	106.1
66	5:3FTCA	914637-49-3	2.96	341.1 / 237.1	422954		11.187	0.954	1.045	Pass	111.9
67	5:3FTCA_2	914637-49-3	2.96	341.1 / 217.0	403297		10.433	0.954	1.045	Pass	104.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	3.98	441.1 / 316.9	304031		9.574	1.463	1.285	Pass	95.7
69	7:3FTCA_2	812-70-4	3.98	441.1 / 337.1	444934		10.803	1.463	1.285	Pass	108.0
70	PFEESA	113507-82-7	2.11	315.1 / 135.0	296166		0.714	0.088	0.081	Pass	100.0
71	PFEESA_2	113507-82-7	2.11	315.1 / 82.9	25976		0.772	0.088	0.081	Pass	108.1
72	PFMPA	377-73-1	0.68	229.0 / 85.0	111044		0.772	N/A	N/A	N/A	96.6
73	PFMBA	863090-89-5	1.32	279.0 / 85.0	118893		0.768	N/A	N/A	N/A	96.0
74	NFDHA	151772-58-6	1.74	295.0 / 201.0	78366		0.899	0.766	0.681	Pass	112.4
75	NFDHA_2	151772-58-6	1.73	295.0 / 84.9	60003		0.956	0.766	0.681	Pass	119.5
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	5.357	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	5.357	N/A	N/A
78	13C2D4-4:2FTS	Surr	N/A	333.2 / 312.1	N/A		N/A	N/A	N/A	N/A	N/A
79	13C2-PFOA	Surr	N/A	415.0 / 370.0	N/A		N/A	N/A	N/A	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.54	217.0 / 172.0	1624406		8.450	NA	NA	NA	84.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.04	268.0 / 223.0	694497		4.633	NA	NA	NA	92.7
	13C5-PFHxA	EIS	1.81	318.0 / 273.0	314363		1.988	NA	NA	NA	79.5
	13C4-PFHpA	EIS	2.39	367.0 / 322.0	245479		1.860	NA	NA	NA	74.4
	13C8-PFOA	EIS	2.87	420.8 / 376.0	541391		2.185	NA	NA	NA	87.4
	13C9-PFNA	EIS	3.31	472.0 / 427.0	224288		1.056	NA	NA	NA	84.5
	13C6-PFDA	EIS	3.72	519.0 / 474.0	243507		1.078	NA	NA	NA	86.2
	13C7-PFUnA	EIS	4.12	570.0 / 525.0	261125		1.041	NA	NA	NA	83.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.50	615.1 / 570.0	260860		0.974	NA	NA	NA	77.9
	13C2-PFTeDA	EIS	5.23	715.1 / 670.1	181321		0.912	NA	NA	NA	73.0
	13C3-PFBS	EIS	1.80	302.1 / 80.1	329314		2.089	NA	NA	NA	89.6
	13C3-PFHxS	EIS	2.97	402.1 / 80.1	287257		2.056	NA	NA	NA	86.8
	13C8-PFOS	EIS	3.86	507.1 / 80.1	278355		1.894	NA	NA	NA	78.9
	13C2-4:2FTS	EIS	1.60	329.1 / 81.1	84892		3.875	NA	NA	NA	82.6
	13C2-6:2FTS	EIS	2.70	429.2 / 81.1	72157		3.710	NA	NA	NA	77.9
	13C2-8:2FTS	EIS	3.55	529.2 / 81.1	67589		2.936	NA	NA	NA	61.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	5.17	506.1 / 78.1	498523		1.998	NA	NA	NA	79.9
	d3-NMeFOSA	EIS	5.90	515.2 / 219.0	56466		1.382	NA	NA	NA	55.3
	d5-NEtFOSA	EIS	6.18	531.2 / 219.0	55708		1.503	NA	NA	NA	60.1
	d3-NMeFOSAA	EIS	3.87	573.2 / 419.1	86335		3.404	NA	NA	NA	68.1
	d5-NEtFOSAA	EIS	4.08	589.3 / 419.1	78993		3.160	NA	NA	NA	63.2
	d7-NMeFOSE	EIS	5.75	623.2 / 58.9	555130		20.979	NA	NA	NA	83.9
	d9-NEtFOSE	EIS	6.04	639.2 / 58.9	752556		21.135	NA	NA	NA	84.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.02	287.0 / 169.0	1302173		8.430	NA	NA	NA	84.3
	13C3-PFBA	NIS	0.54	216.0 / 172.0	837977		6.608	NA	NA	NA	132.2
	13C2-PFHxA	NIS	1.81	315.0 / 270.0	438845		2.946	NA	NA	NA	117.9
	13C4-PFOA	NIS	2.87	417.0 / 372.0	395044		2.740	NA	NA	NA	109.6
	13C5-PFNA	NIS	3.31	468.0 / 423.0	264345		1.294	NA	NA	NA	103.6
	13C2-PFDA	NIS	3.72	515.1 / 470.1	268128		1.271	NA	NA	NA	101.7
	18O2-PFHxS	NIS	2.97	403.1 / 84.1	291714		2.500	NA	NA	NA	105.5
	13C4-PFOS	NIS	3.86	503.1 / 80.1	292662		2.332	NA	NA	NA	97.2

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Alpha Analytical LLC
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	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec

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PFBA
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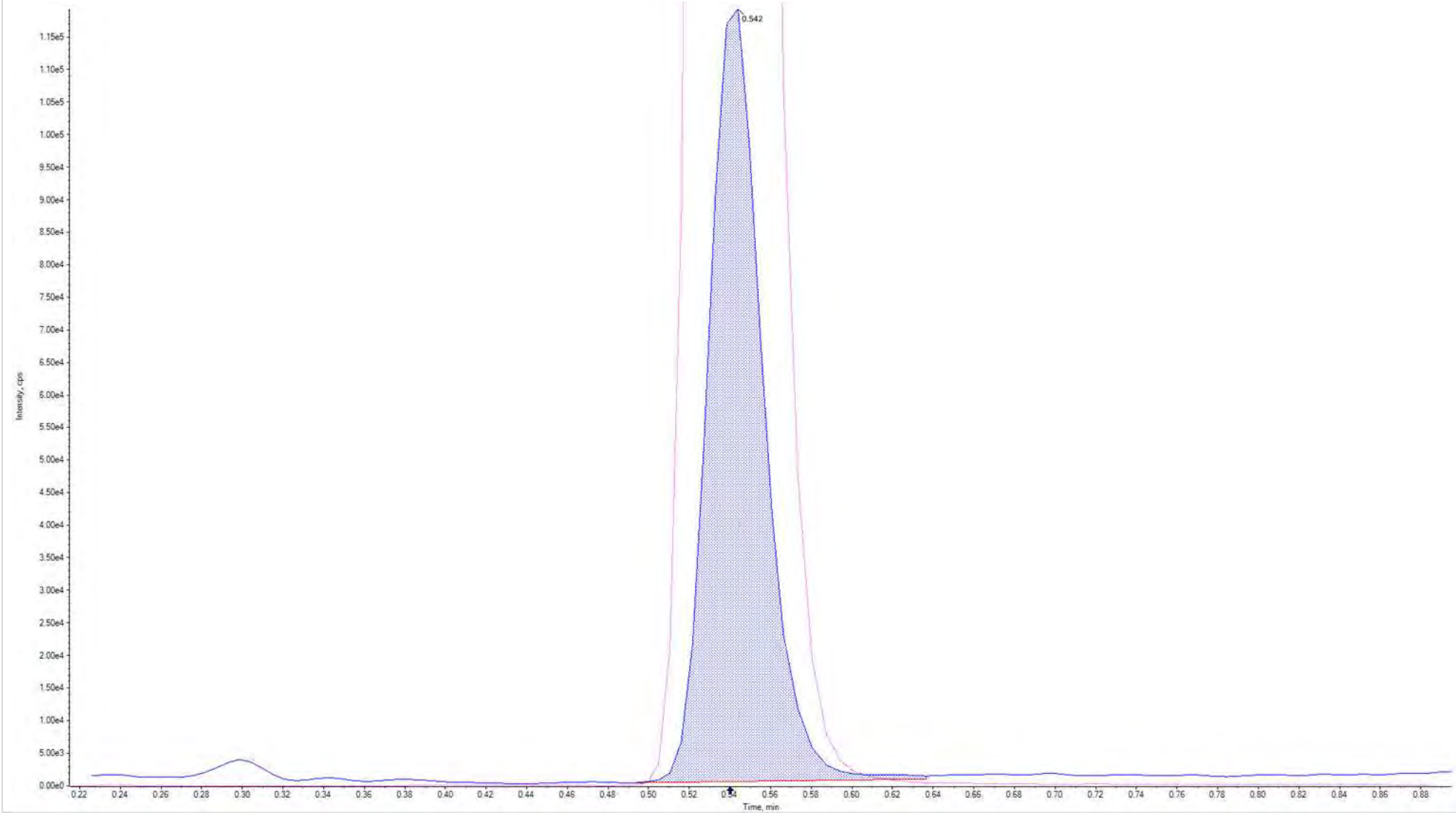

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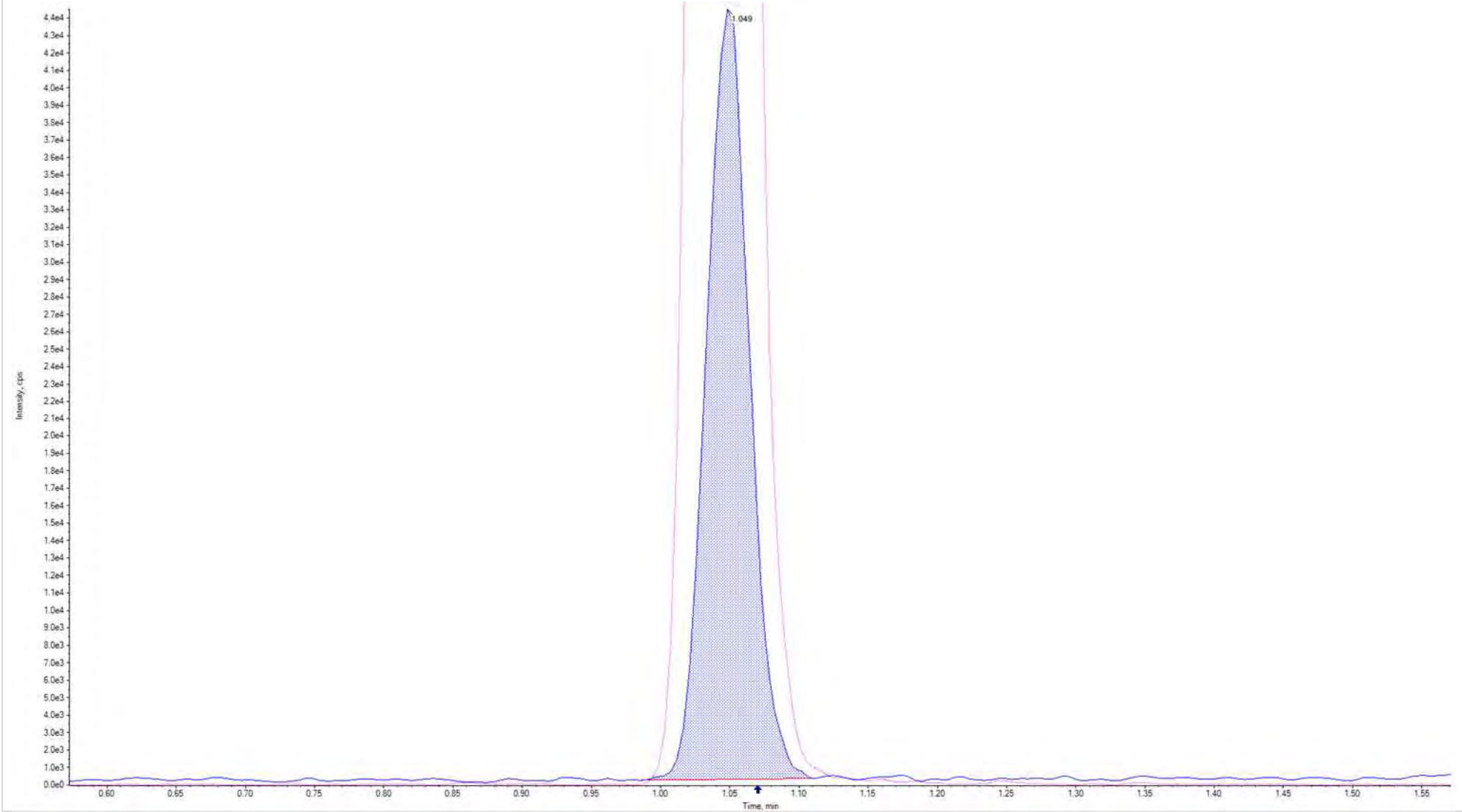
PFPeA
Sample: WG2012727-2R S/N:1061.9 Points Across peak:34



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PFPeA_2
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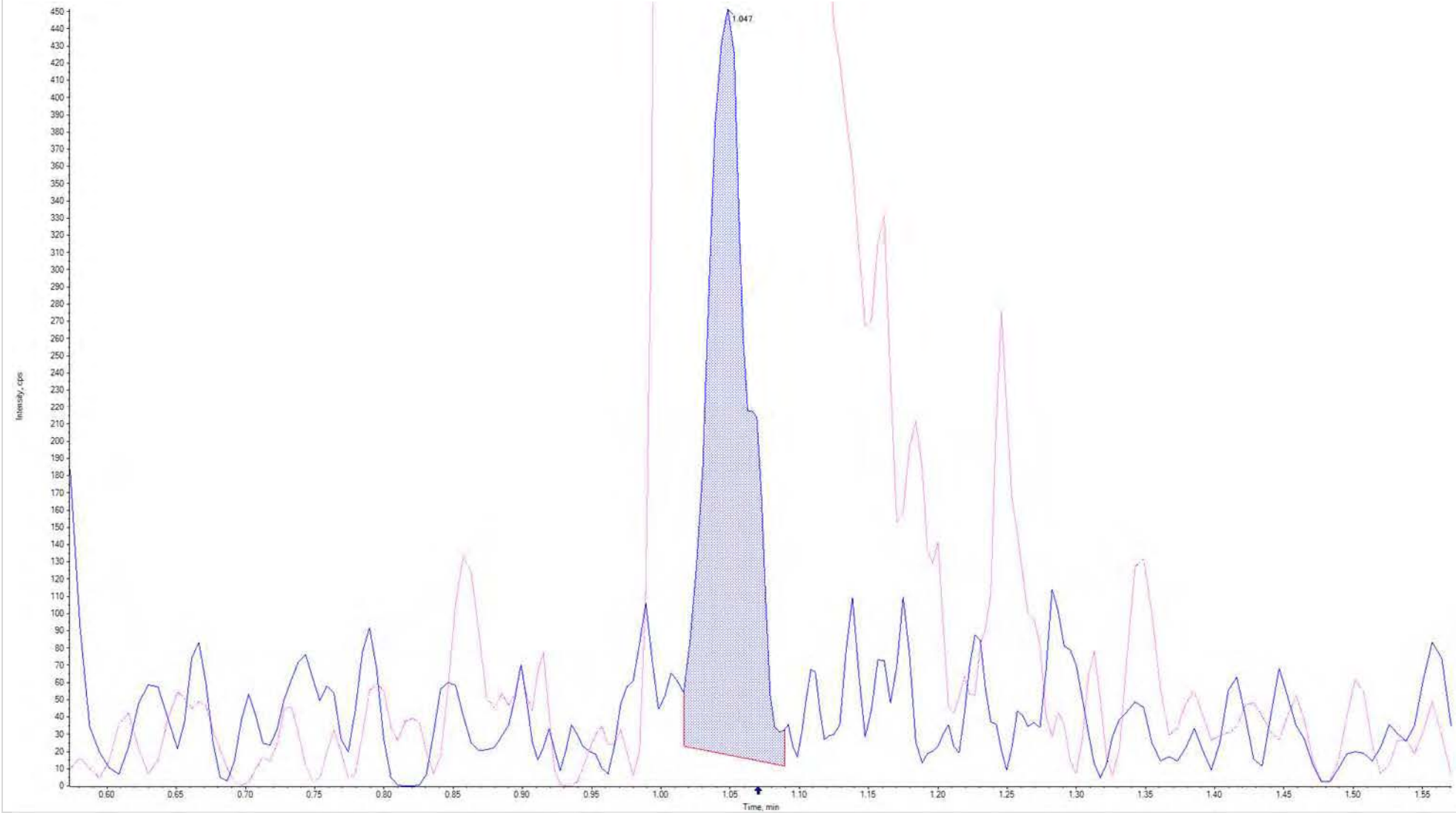

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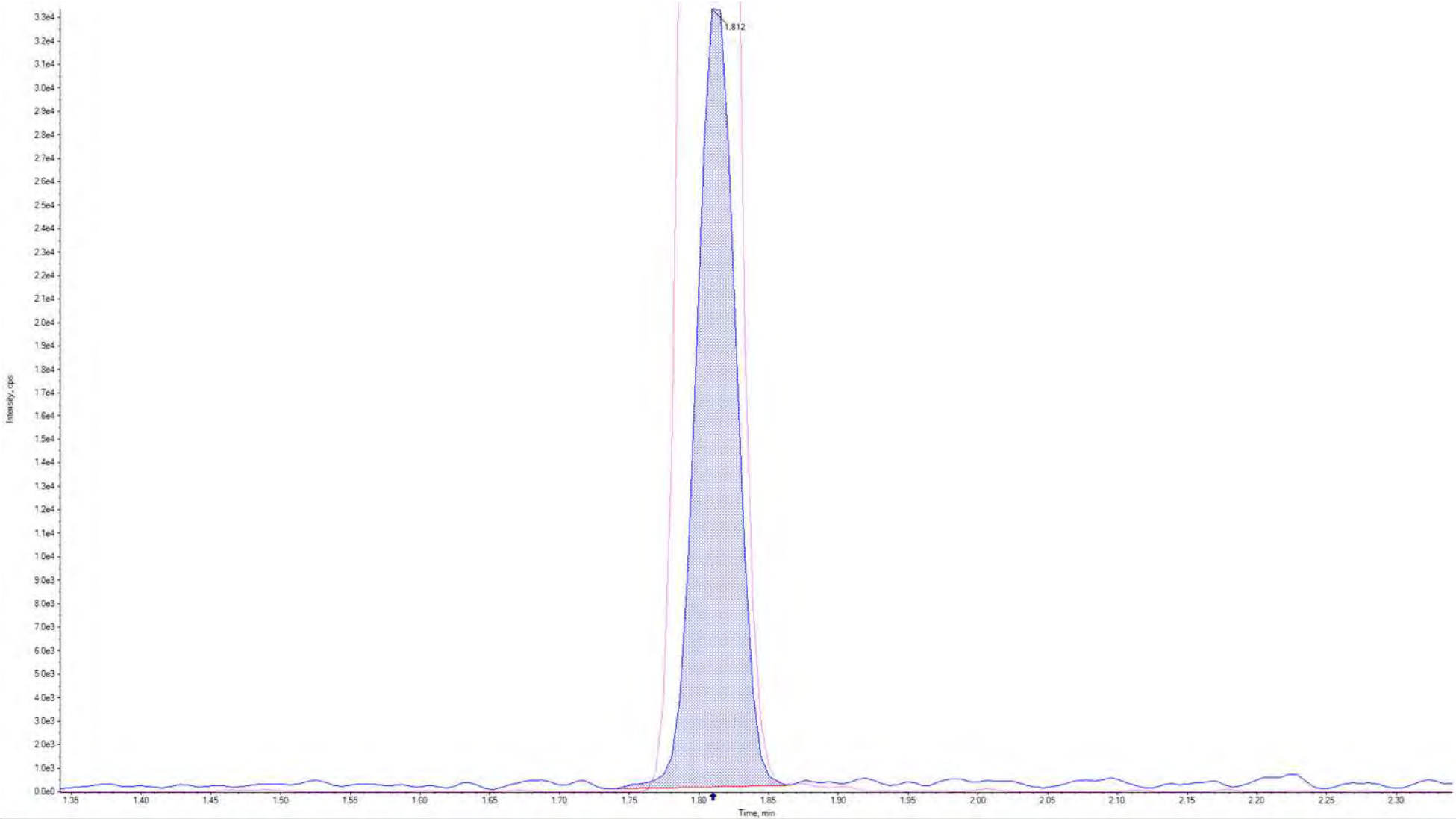
PFHxA
Sample: WG2012727-2R S/N:617.7 Points Across peak:24



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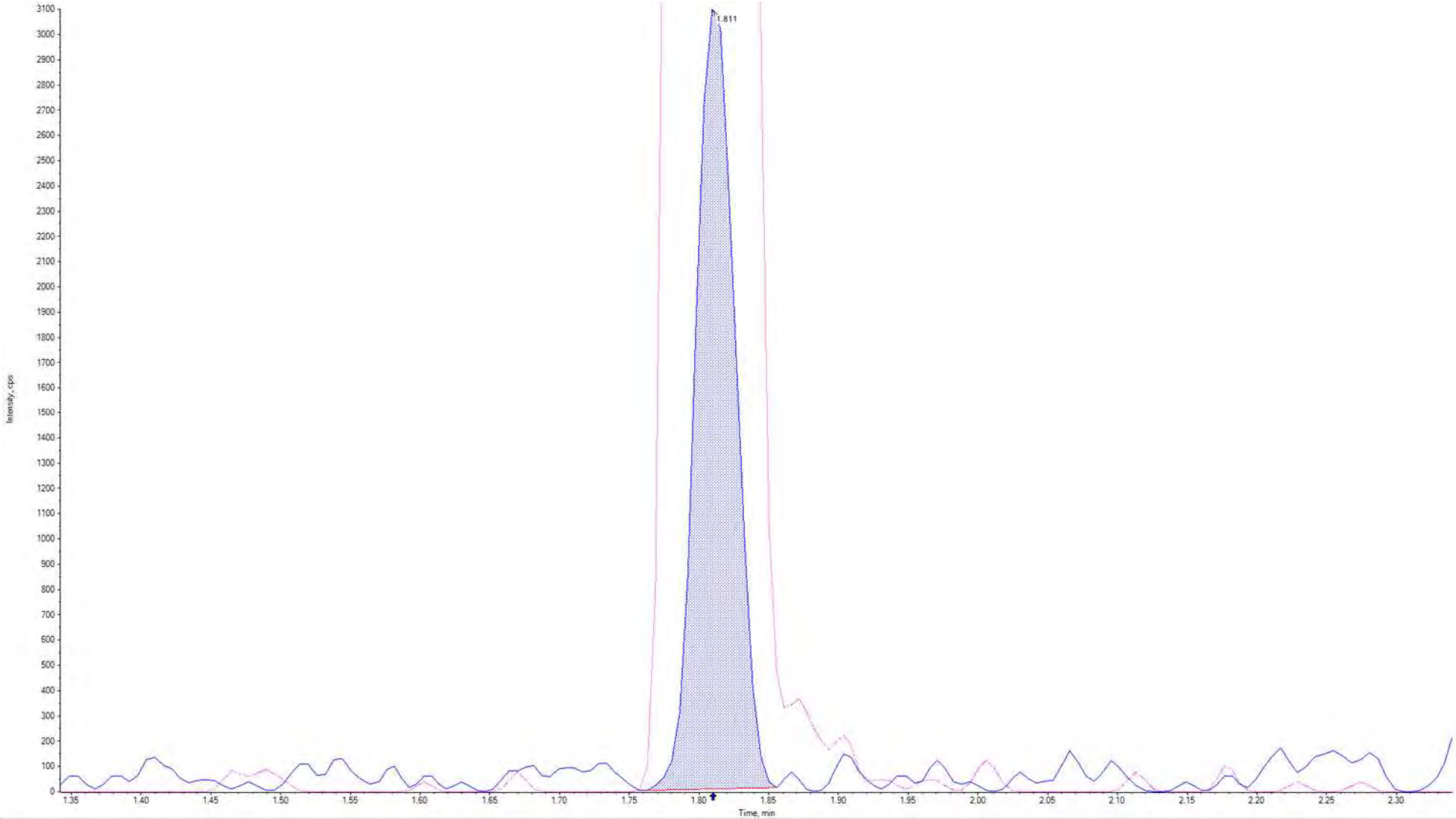
PFHxA_2
Sample: WG2012727-2R S/N:77.4 Points Across peak:17



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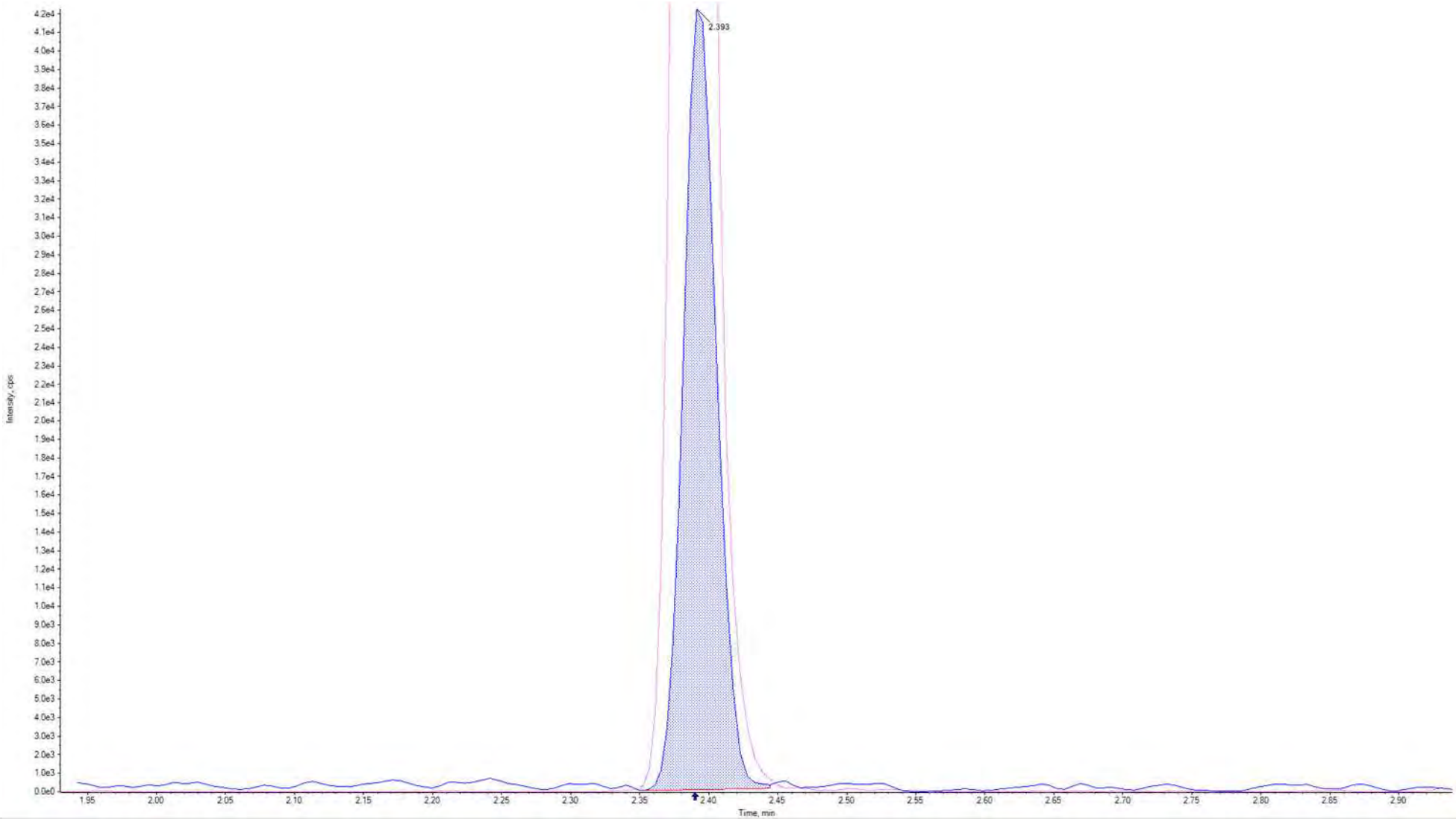
PFHpA
Sample: WG2012727-2R S/N:845.1 Points Across peak:21



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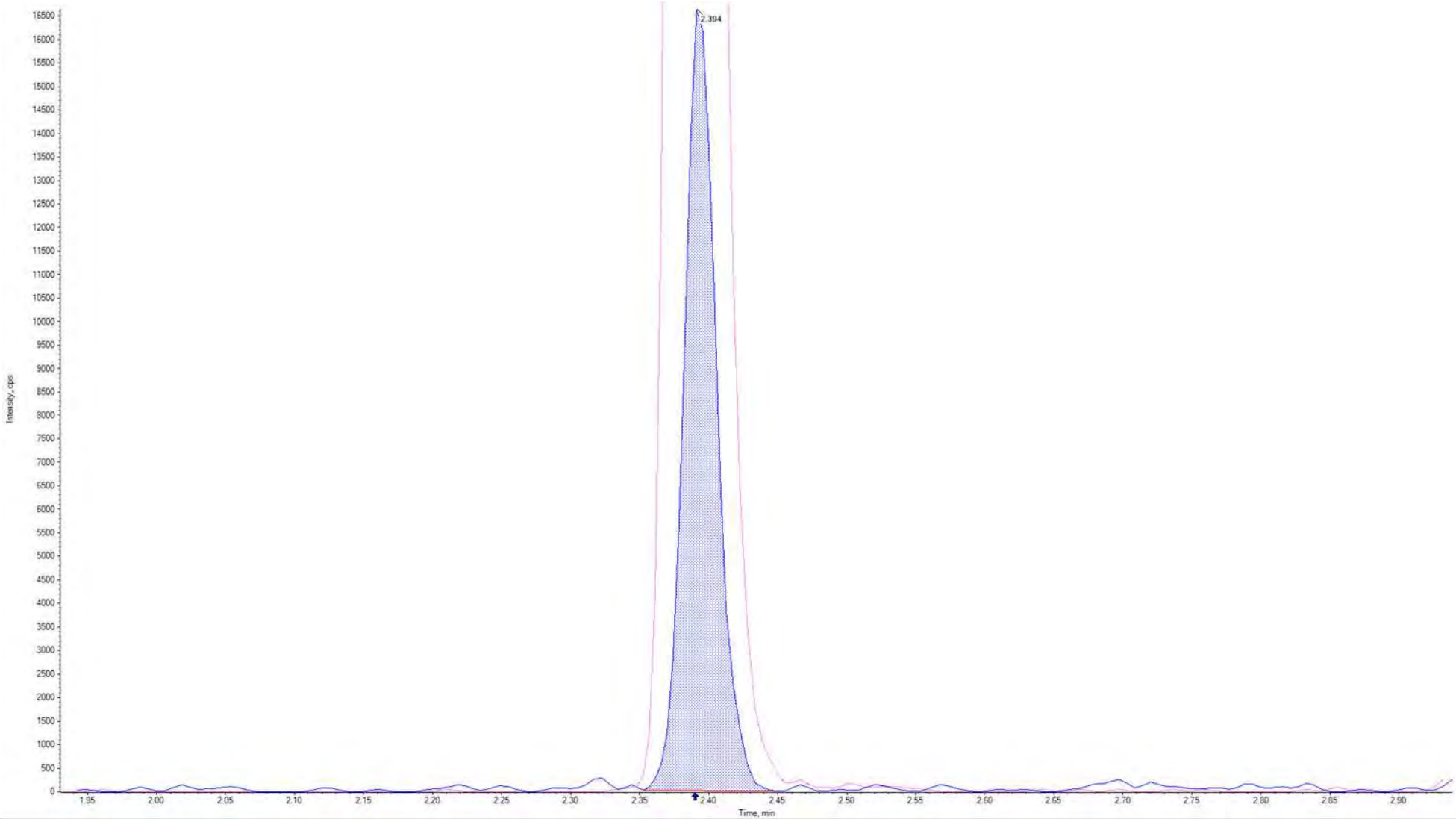
PFHpA_2
Sample: WG2012727-2R S/N:333.3 Points Across peak:22



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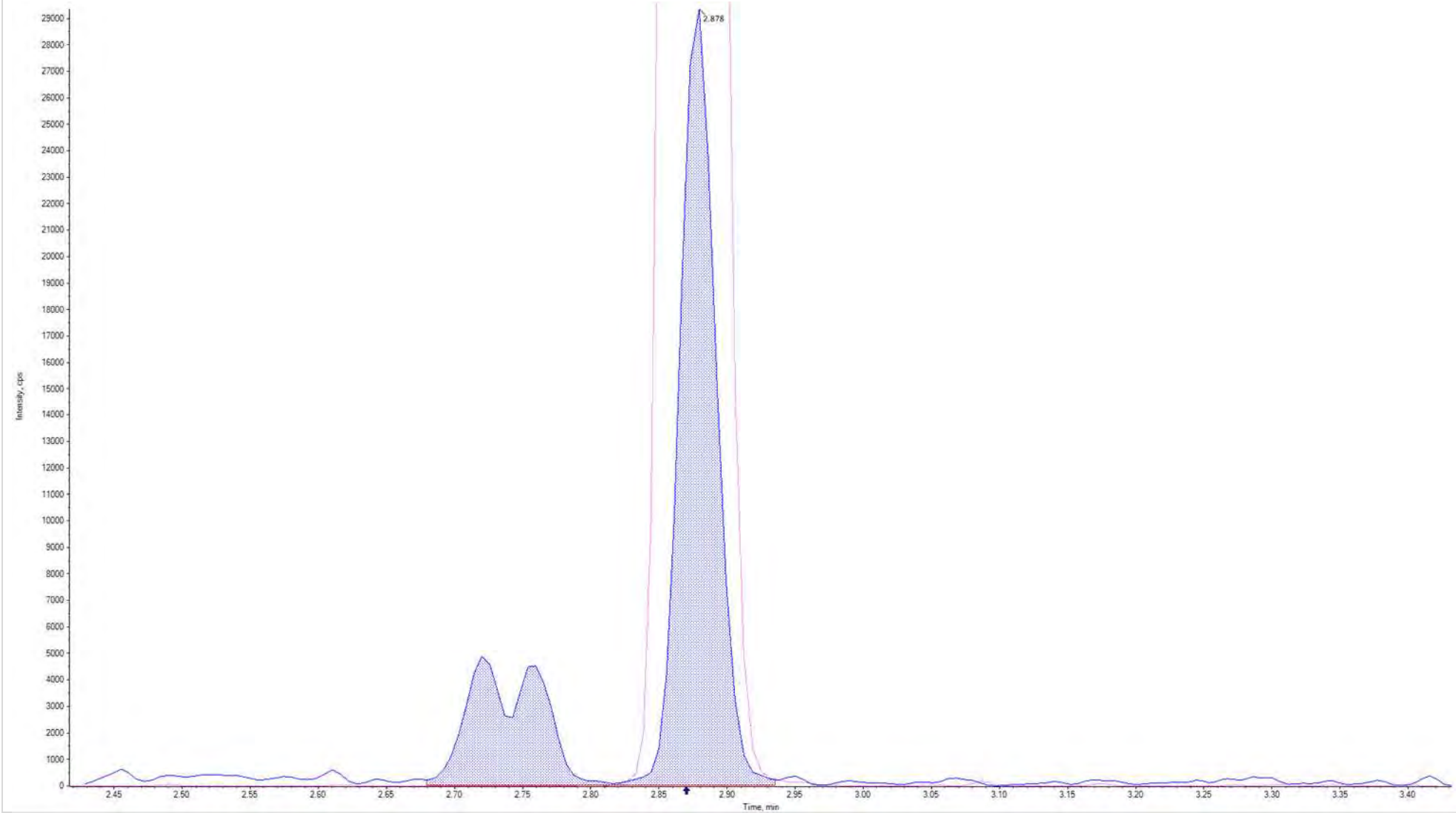
PFOA
Sample: WG2012727-2R S/N:232.5 Points Across peak:46



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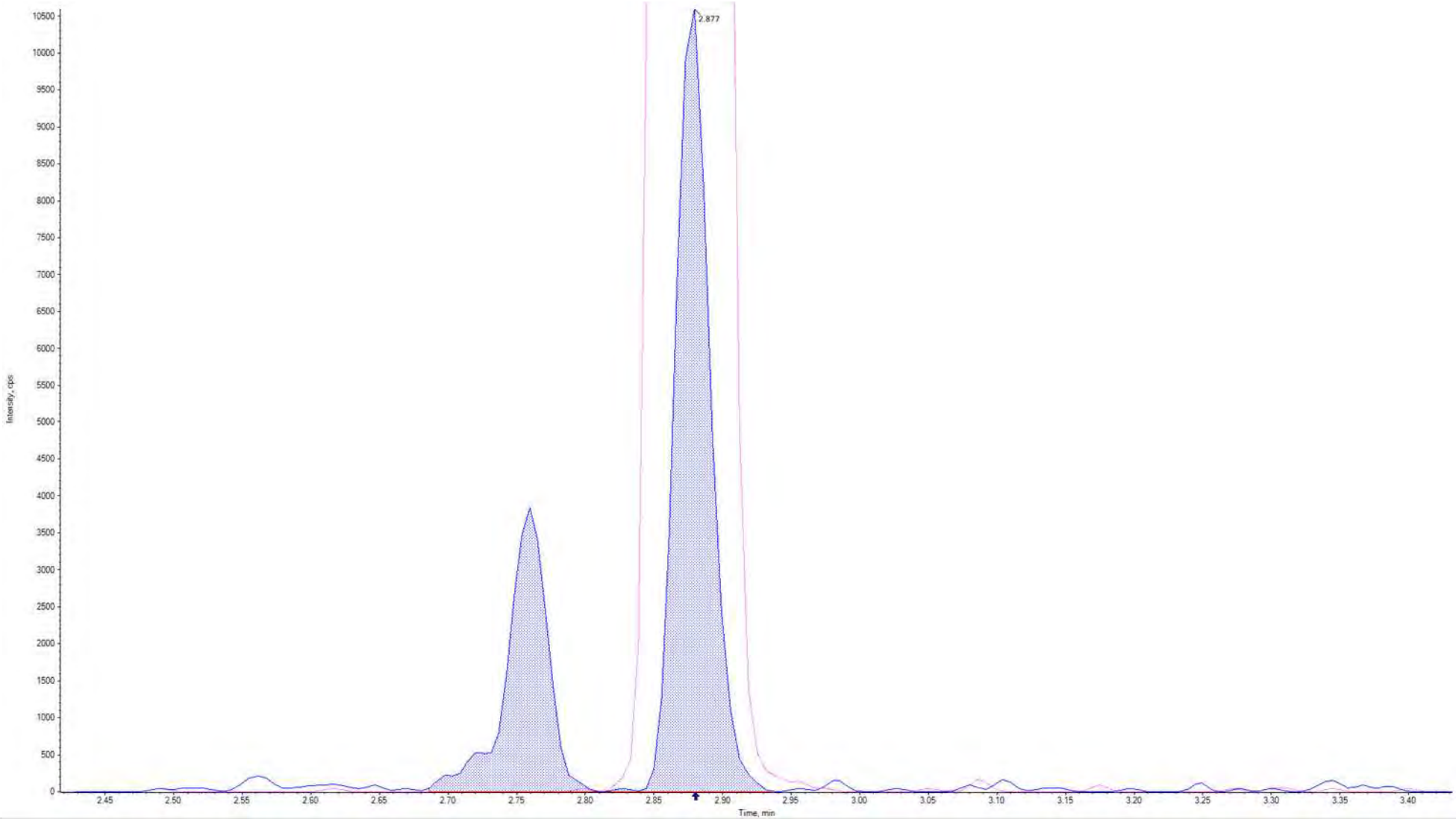
PFOA_2
Sample: WG2012727-2R S/N:221.9 Points Across peak:44



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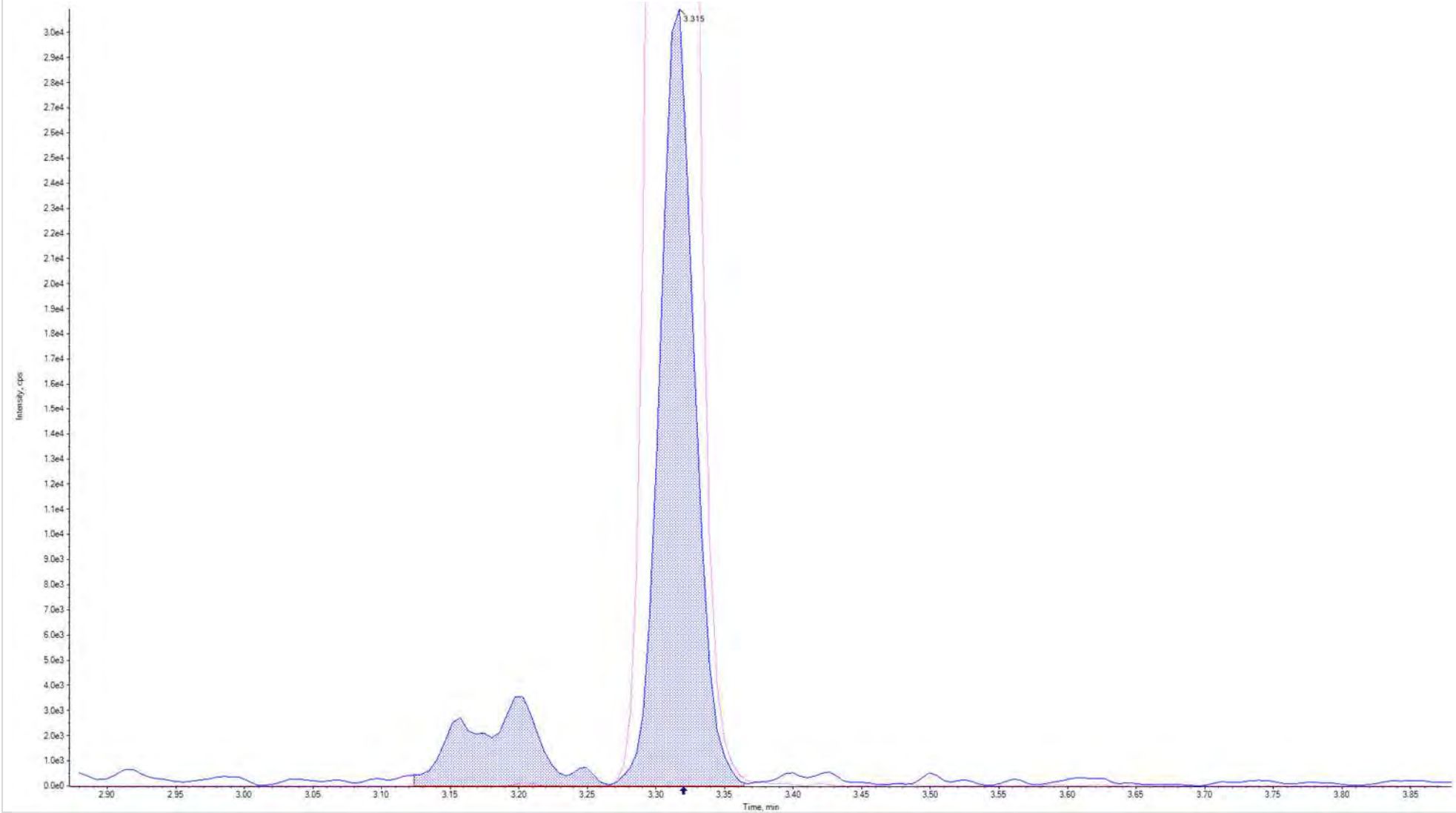
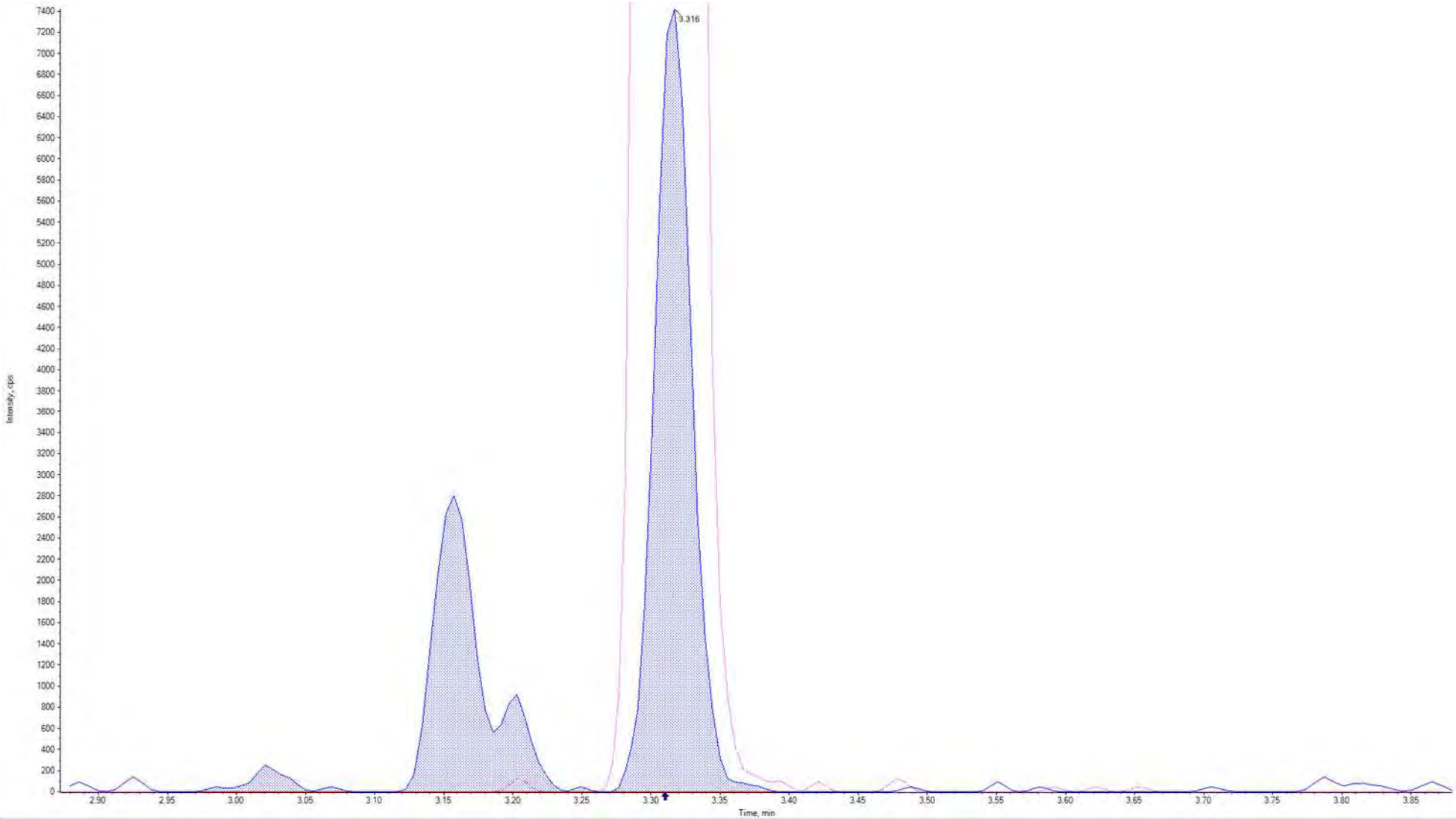
PFNA
Sample: WG2012727-2R S/N:250.0 Points Across peak:47



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_19.wiff2_4
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFNA_2
Sample: WG2012727-2R S/N:167.4 Points Across peak:78



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/24/2024 12:27:37 PM
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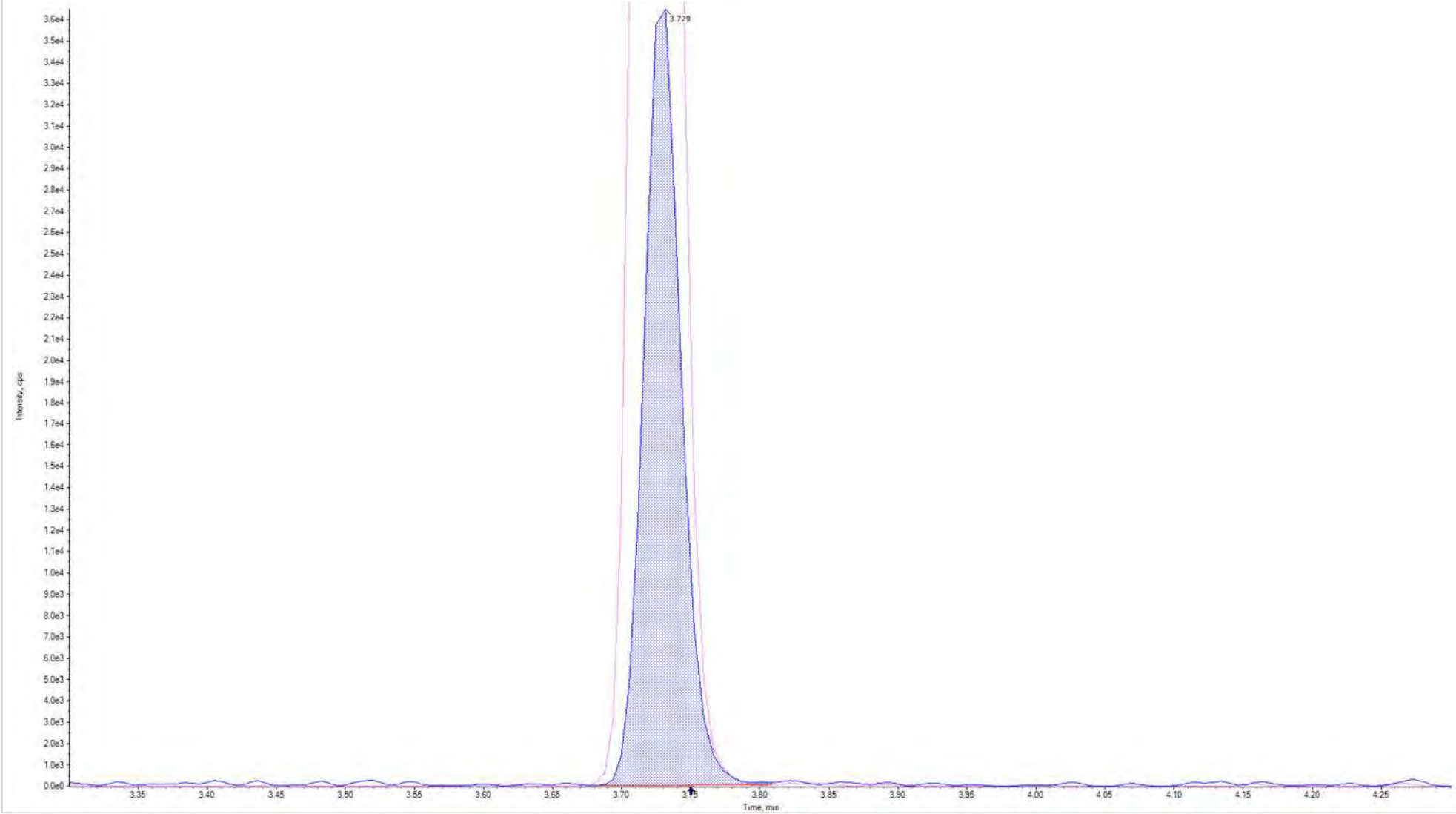
PFDA
Sample: WG2012727-2R S/N:730.7 Points Across peak:20



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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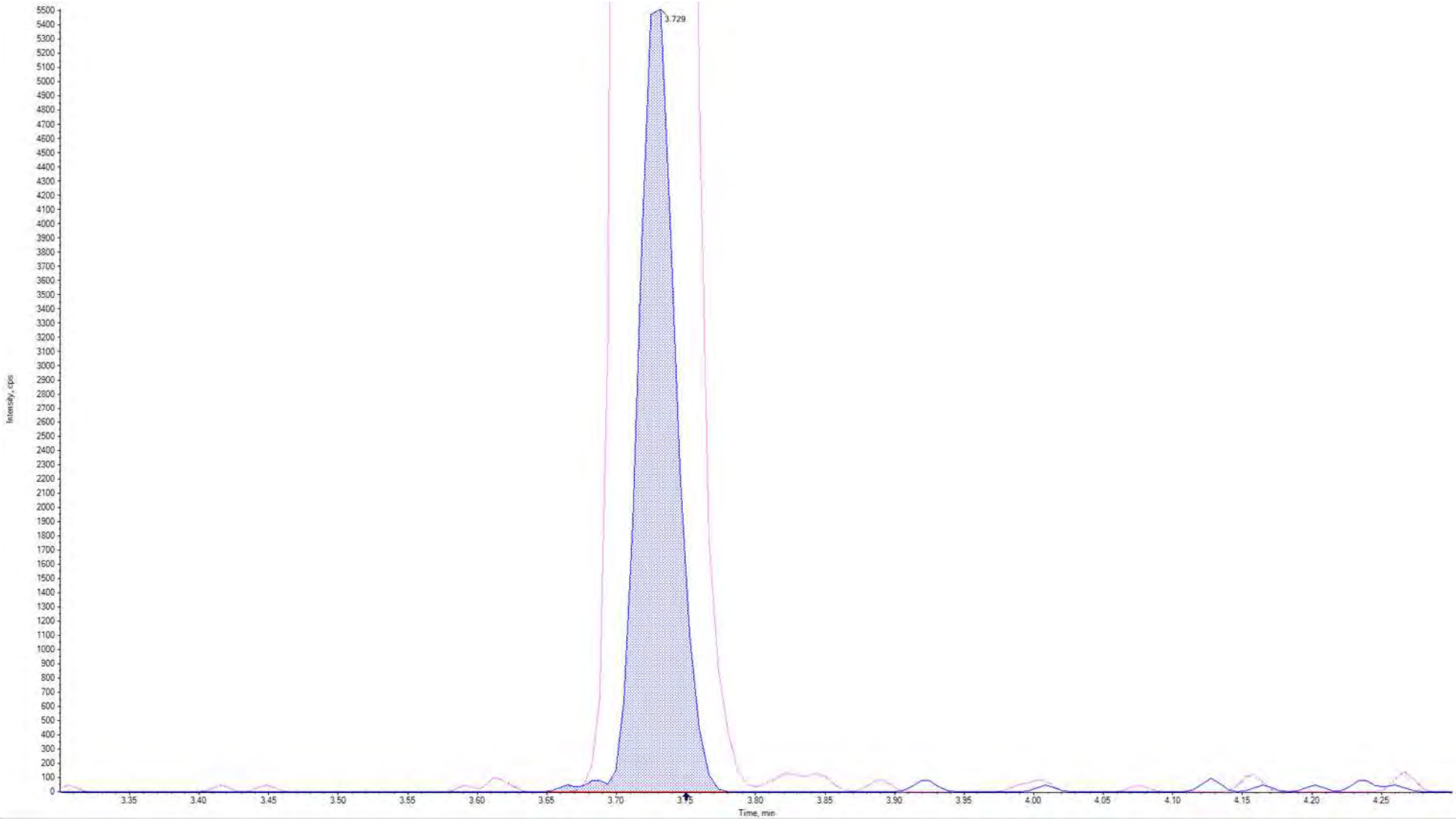
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFDA_2
Sample: WG2012727-2R S/N:110.5 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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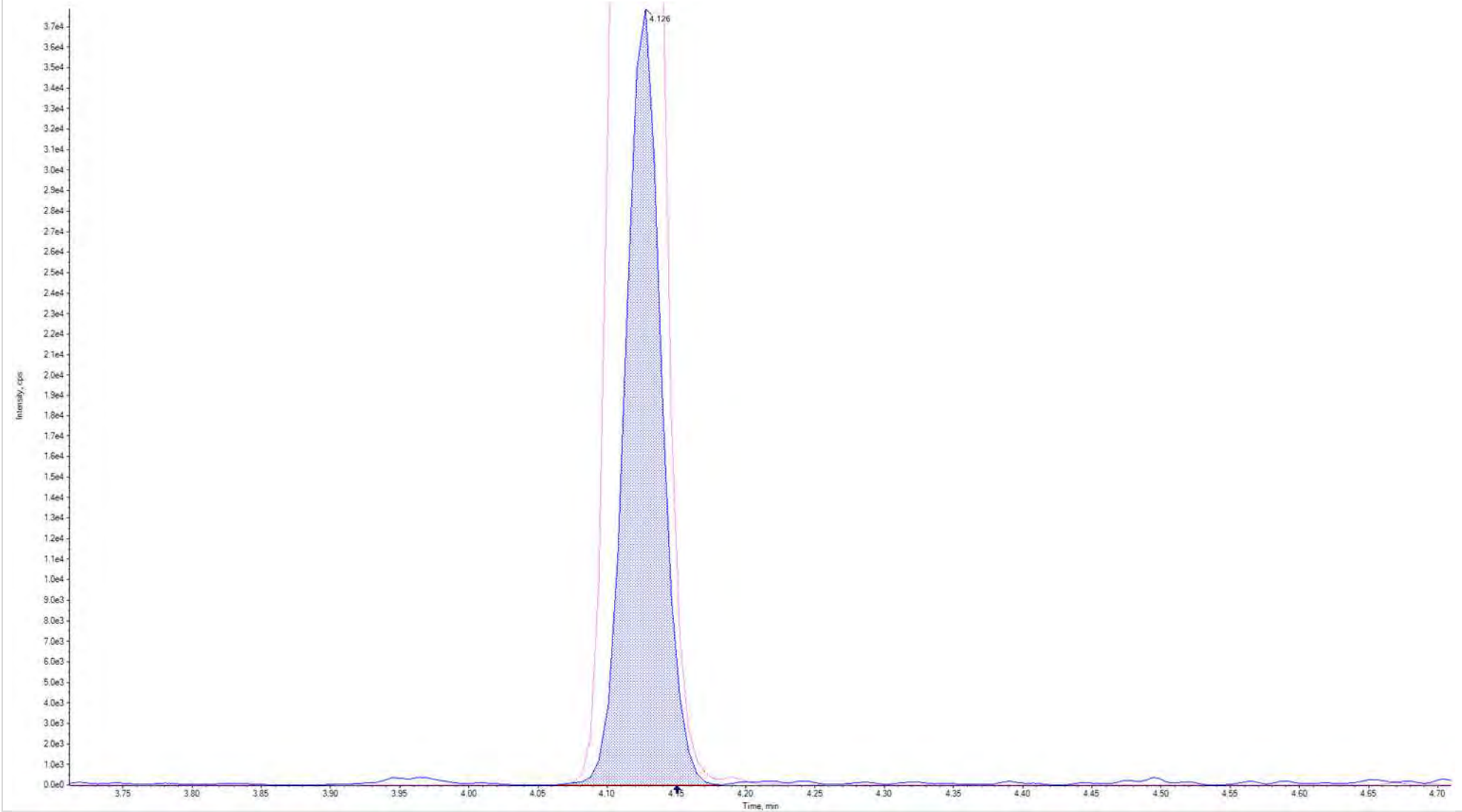
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFUnA
Sample: WG2012727-2R S/N:853.8 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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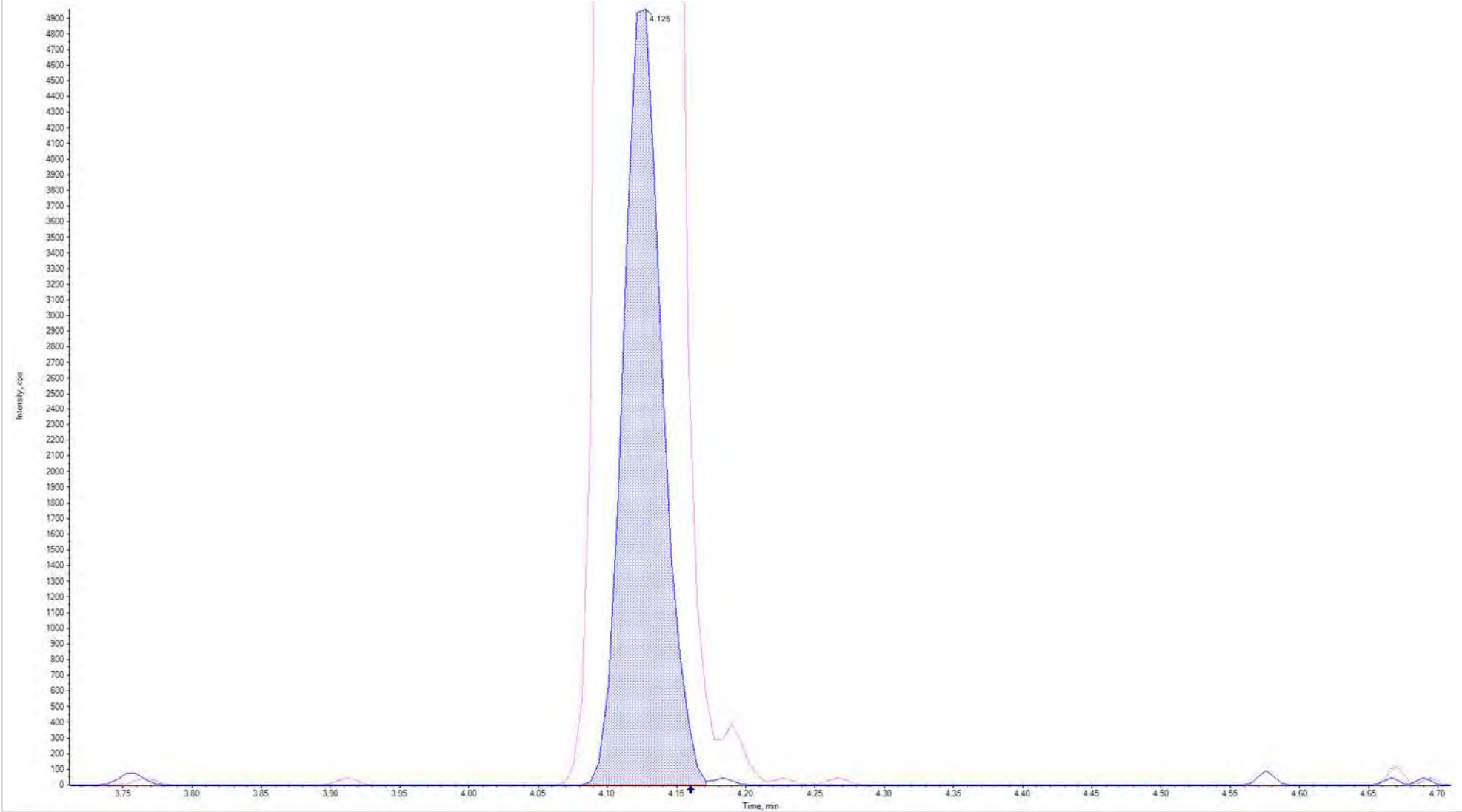
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFUnA_2
Sample: WG2012727-2R S/N:111.9 Points Across peak:20



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/24/2024 12:27:37 PM
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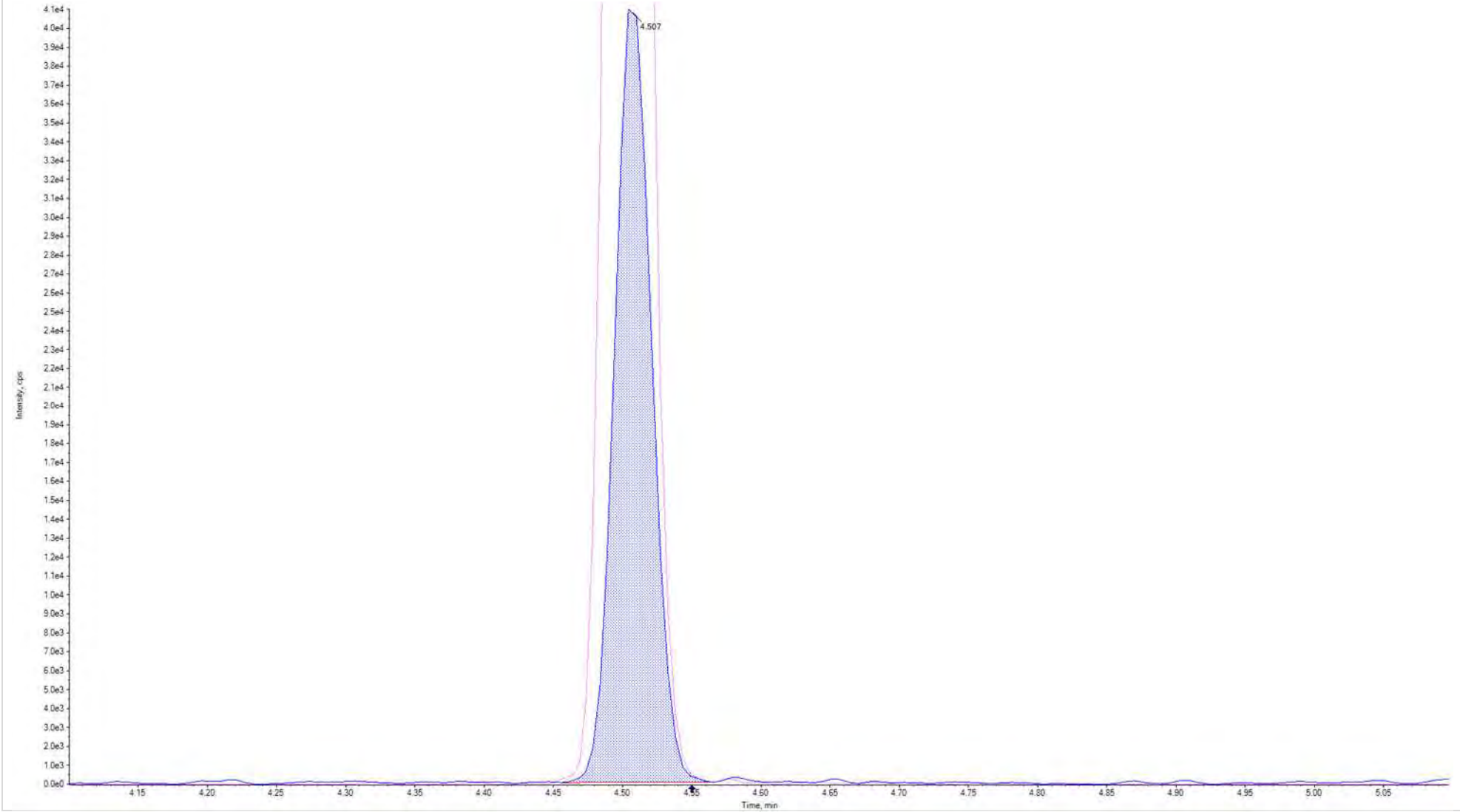
PFDoA
Sample: WG2012727-2R S/N:1128.2 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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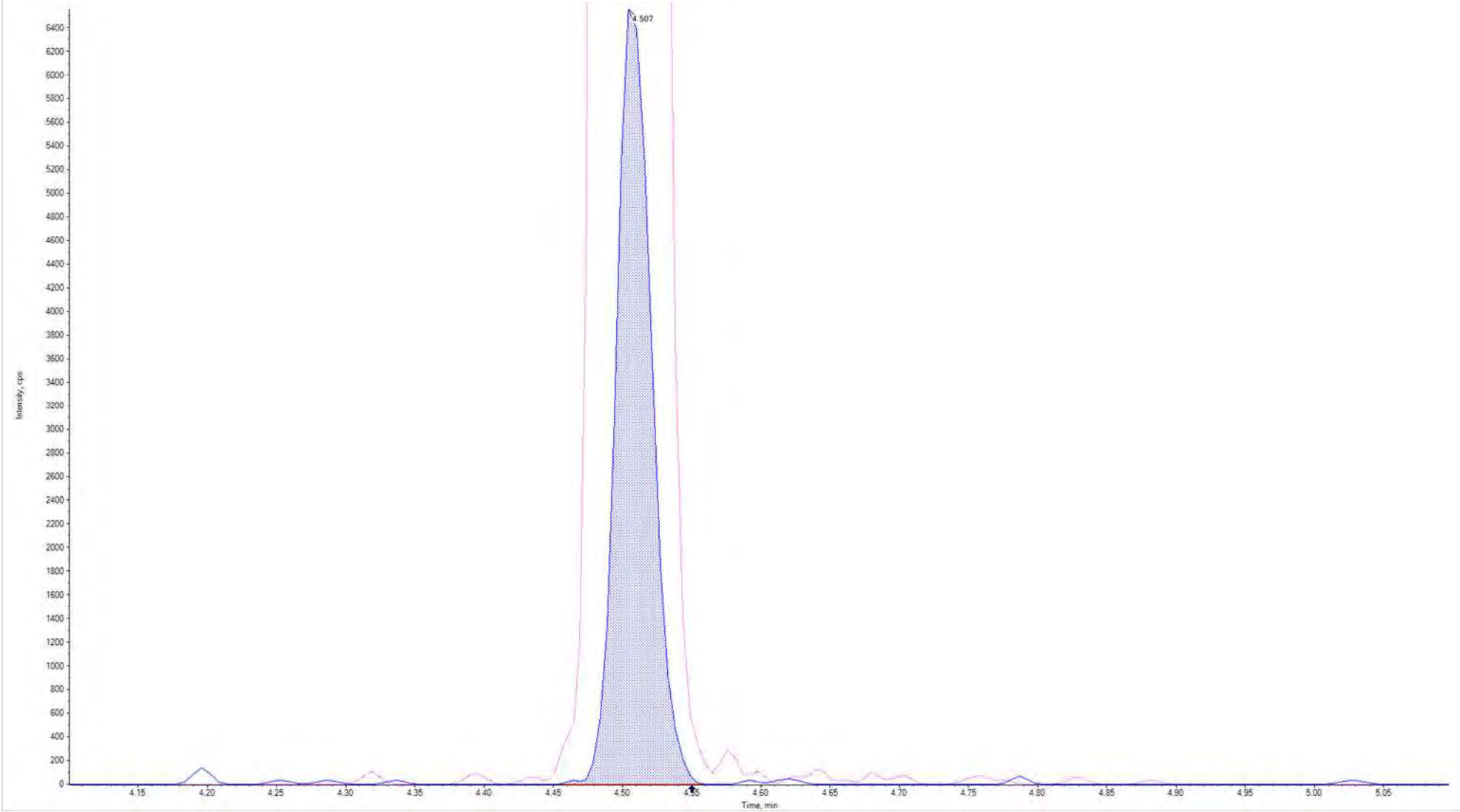
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFDoA_2
Sample: WG2012727-2R S/N:180.8 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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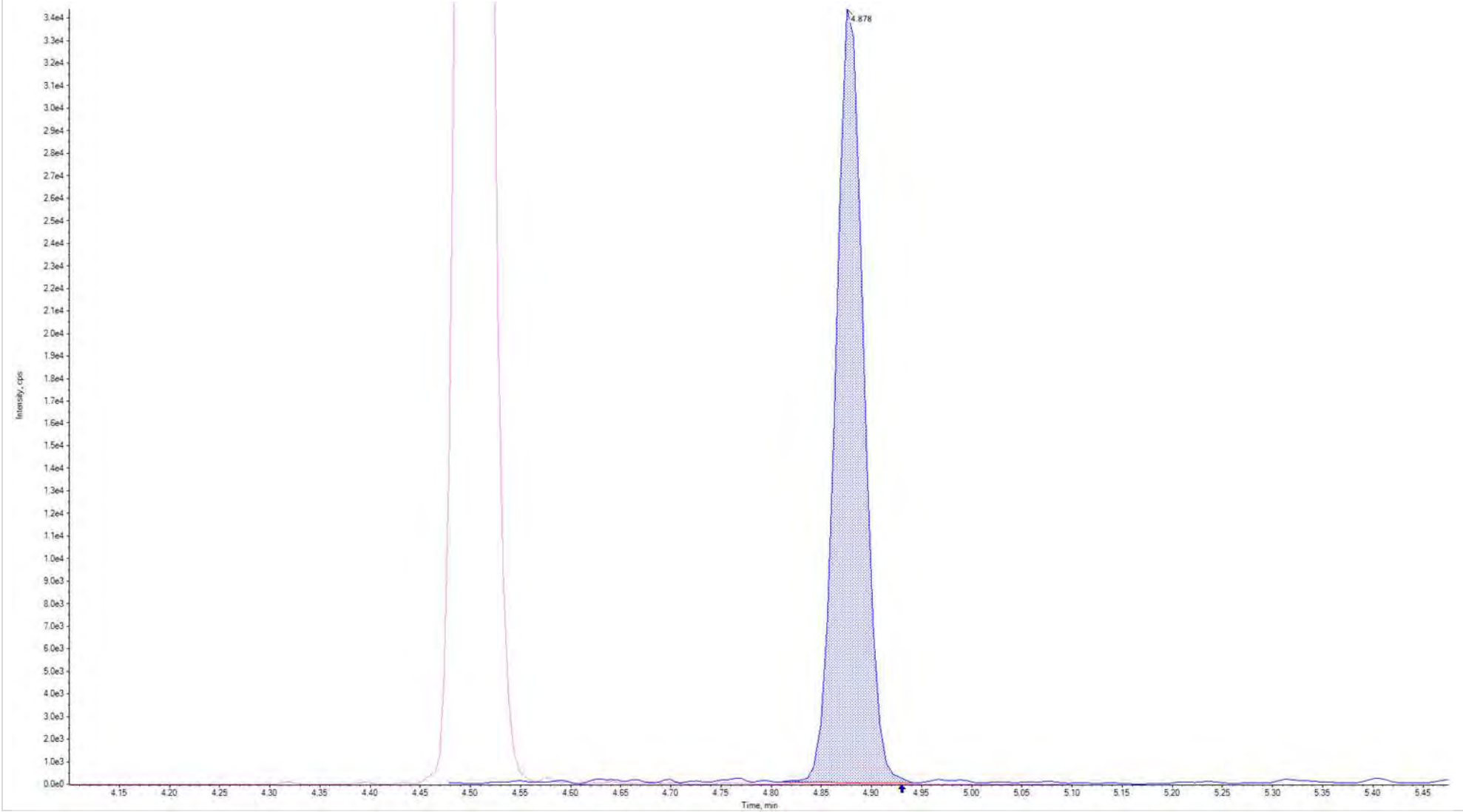
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFTrDA
Sample: WG2012727-2R S/N:1376.2 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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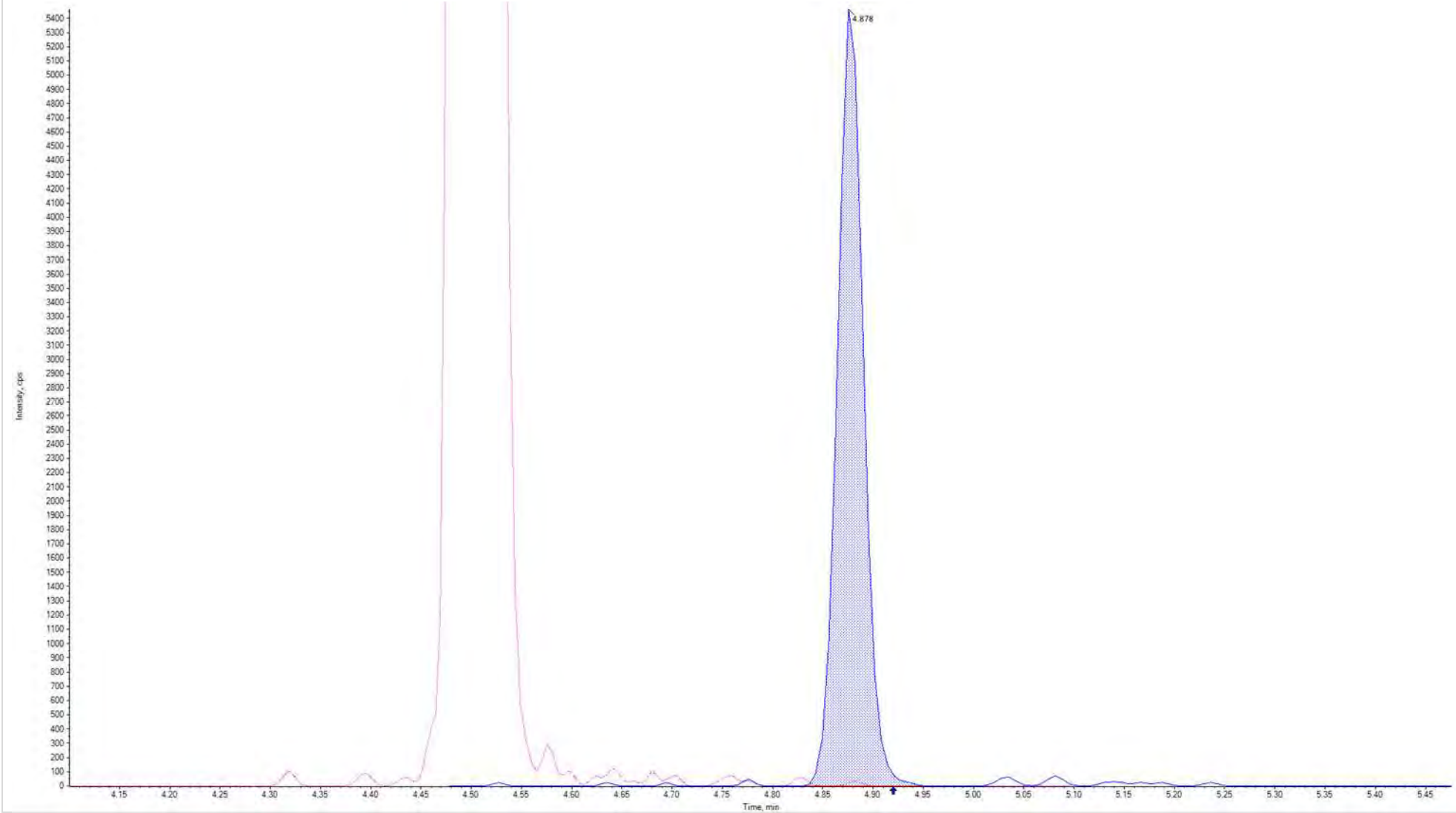
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFTrDA_2
Sample: WG2012727-2R S/N:219.1 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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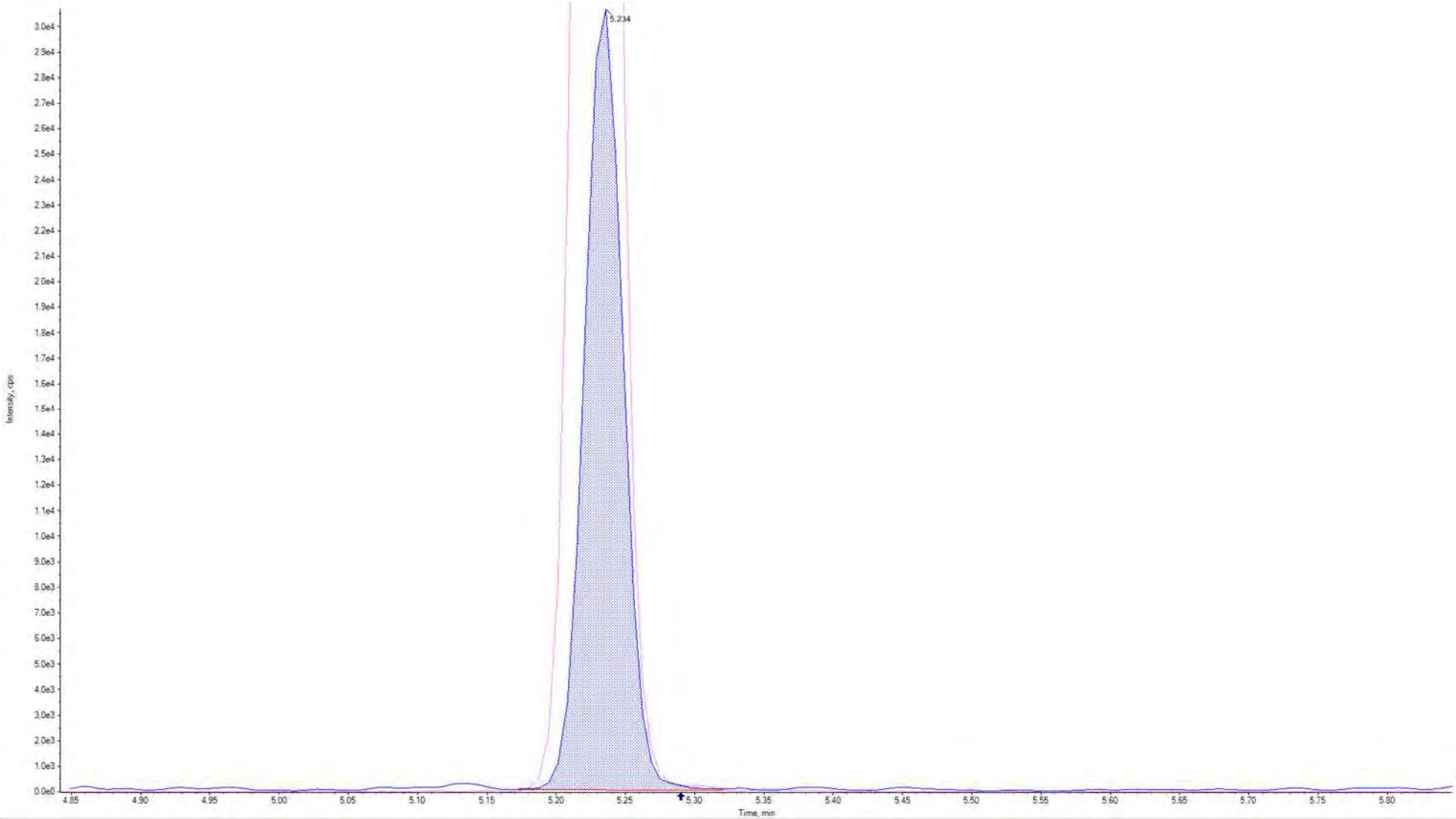
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFTeDA
Sample: WG2012727-2R S/N:1098.0 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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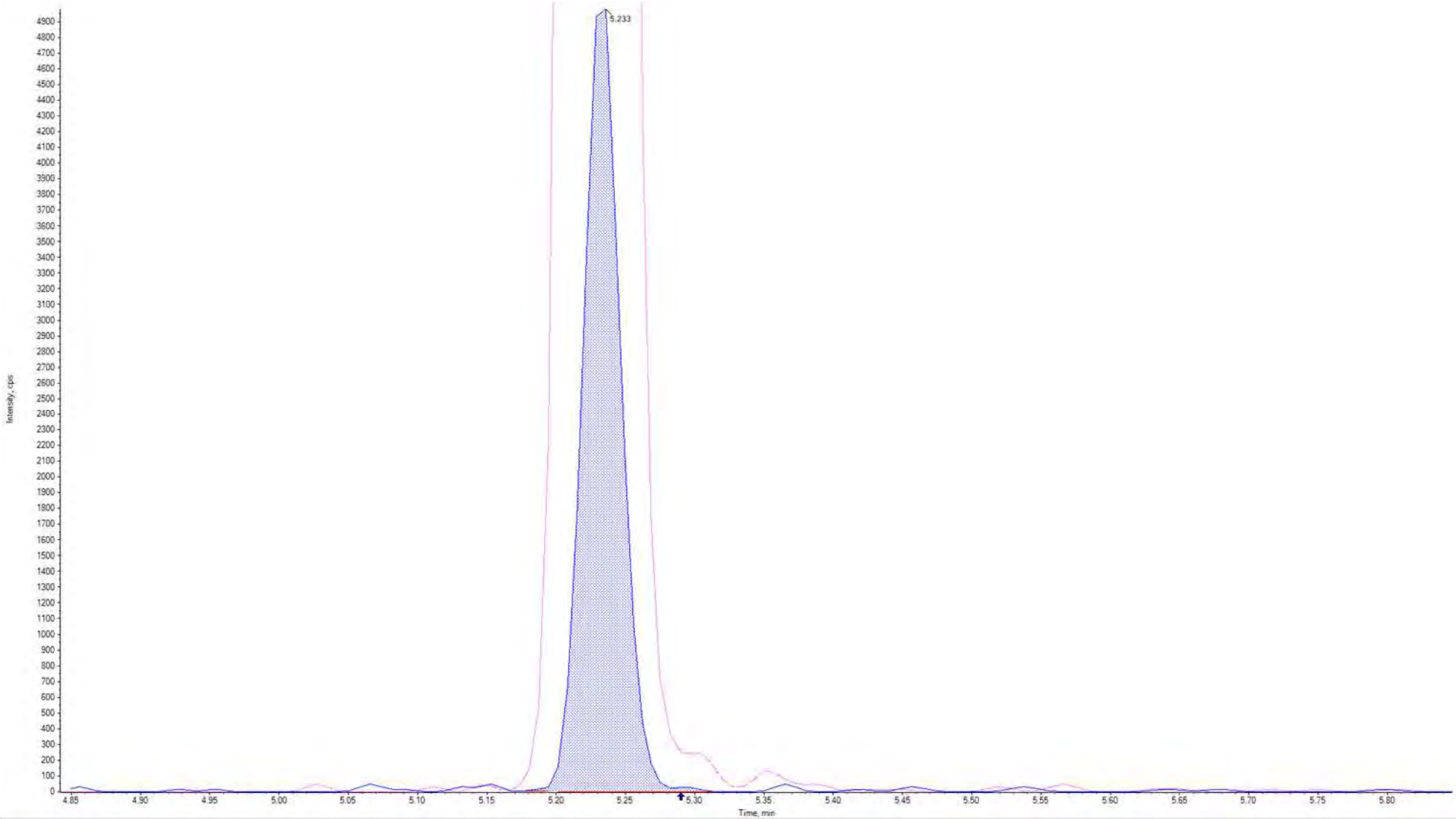
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFTeDA_2
Sample: WG2012727-2R S/N:311.9 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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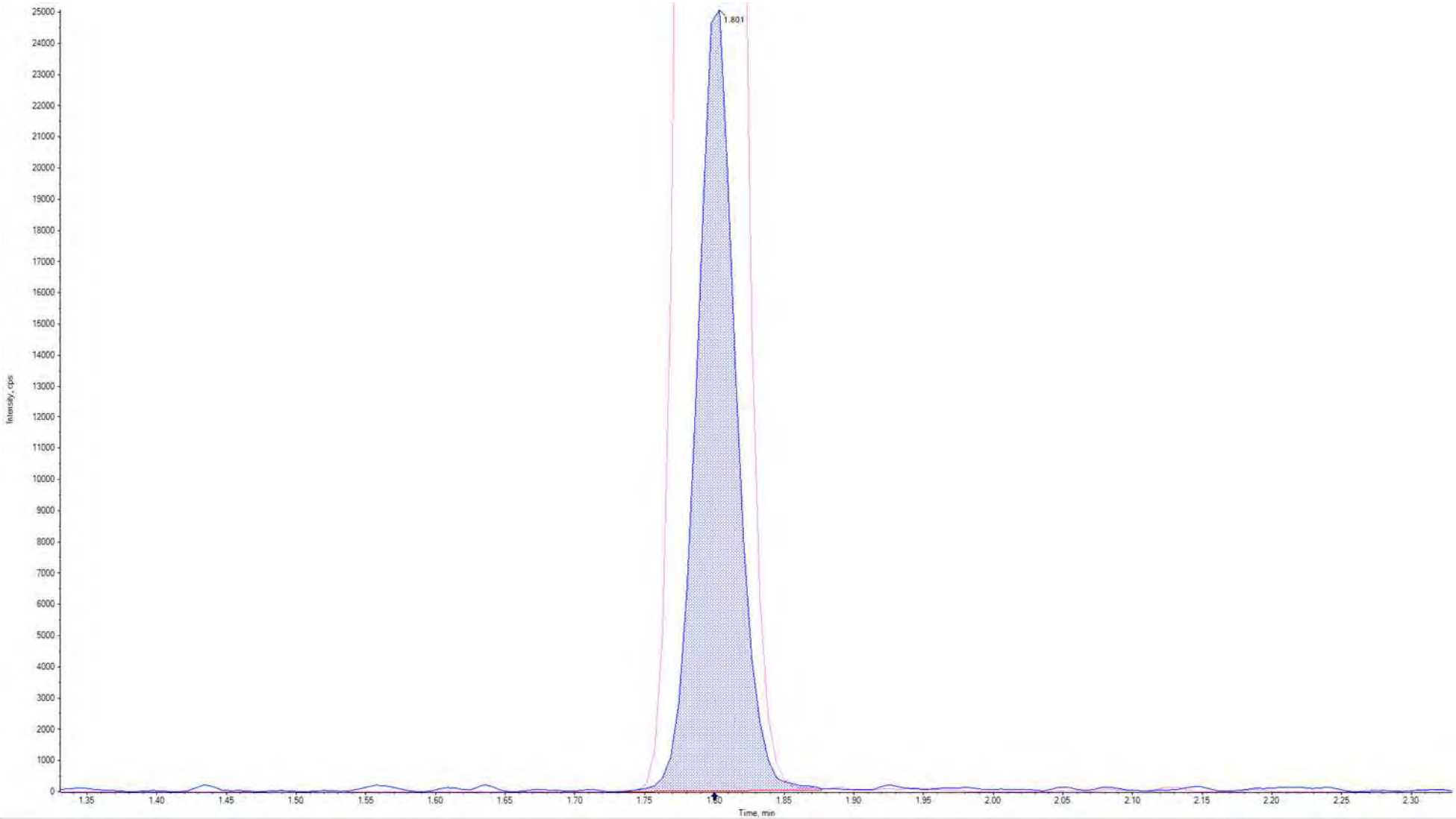
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFBS
Sample: WG2012727-2R S/N:627.7 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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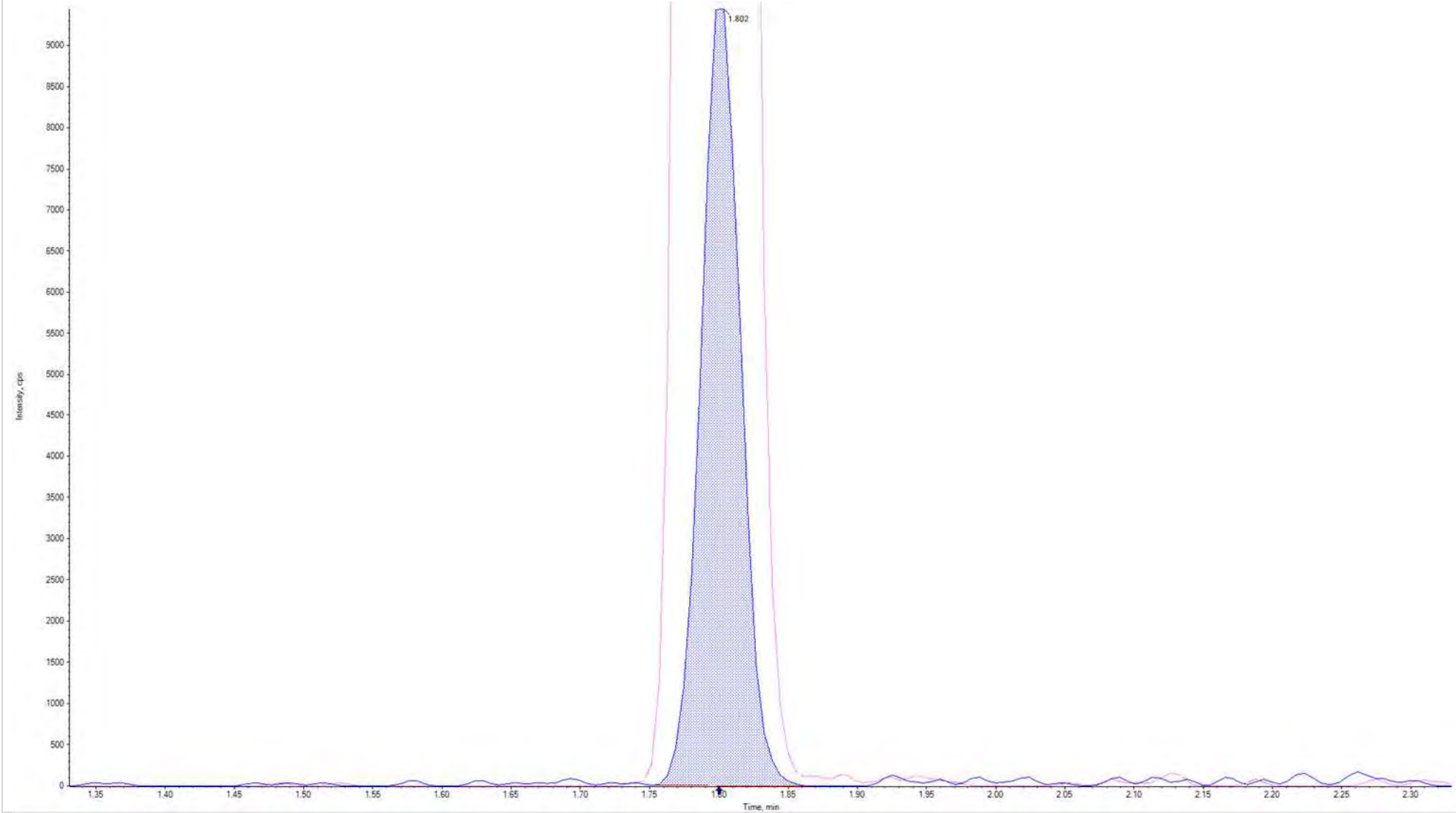
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFBS_2
Sample: WG2012727-2R S/N:236.6 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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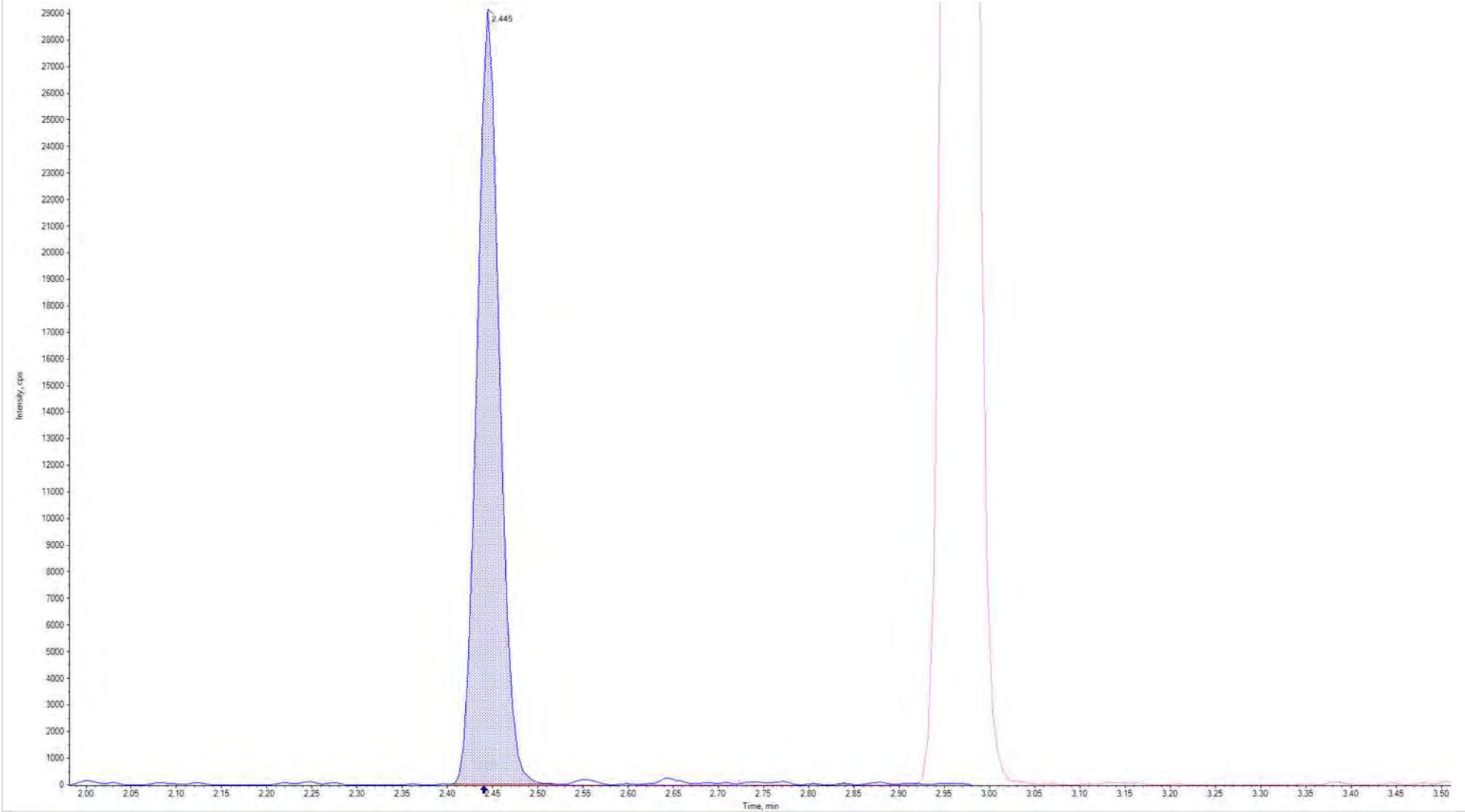
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFPeS
Sample: WG2012727-2R S/N:584.4 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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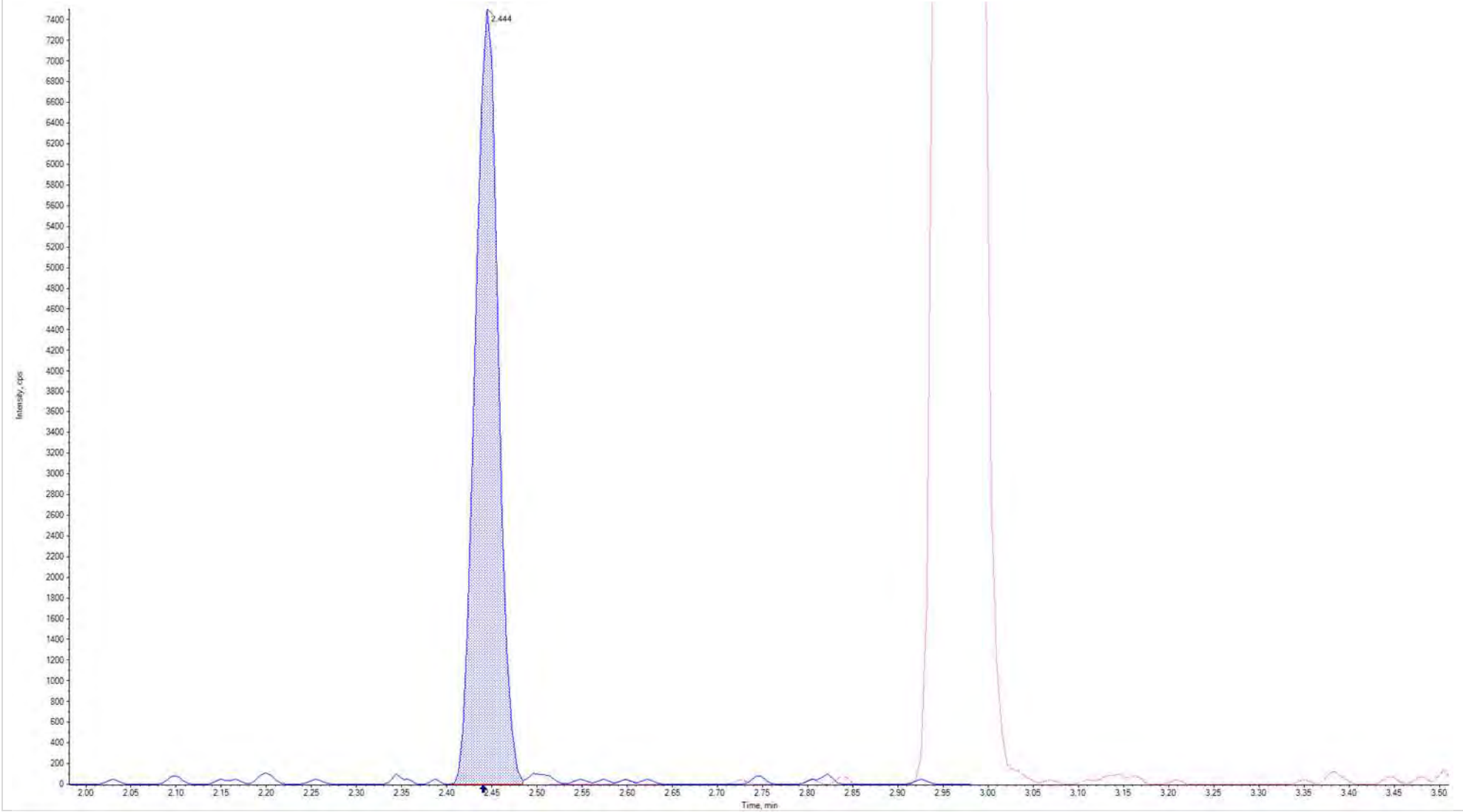
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFPeS_2
Sample: WG2012727-2R S/N:150.4 Points Across peak:17



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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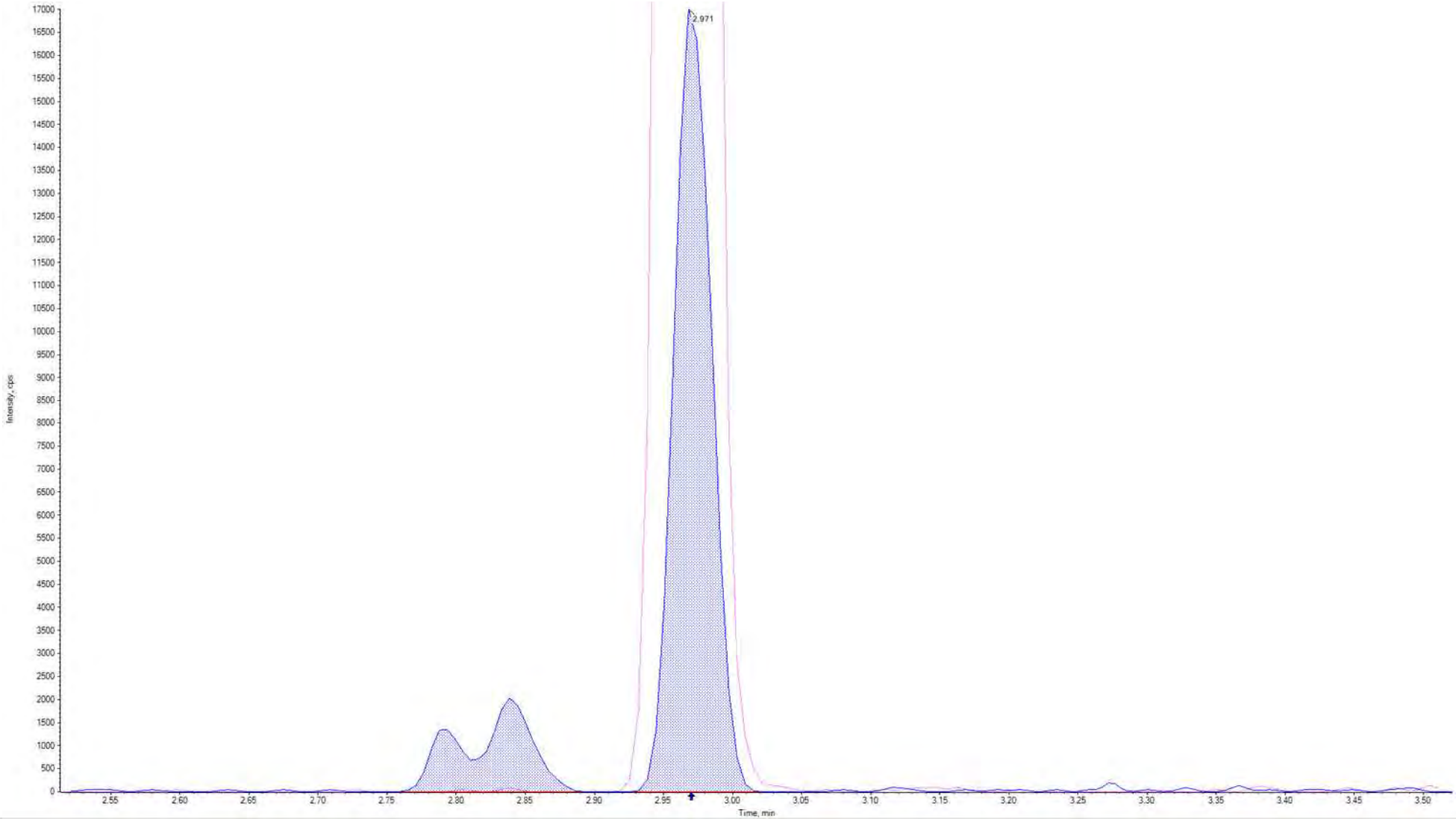
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFHxS
Sample: WG2012727-2R S/N:383.6 Points Across peak:46



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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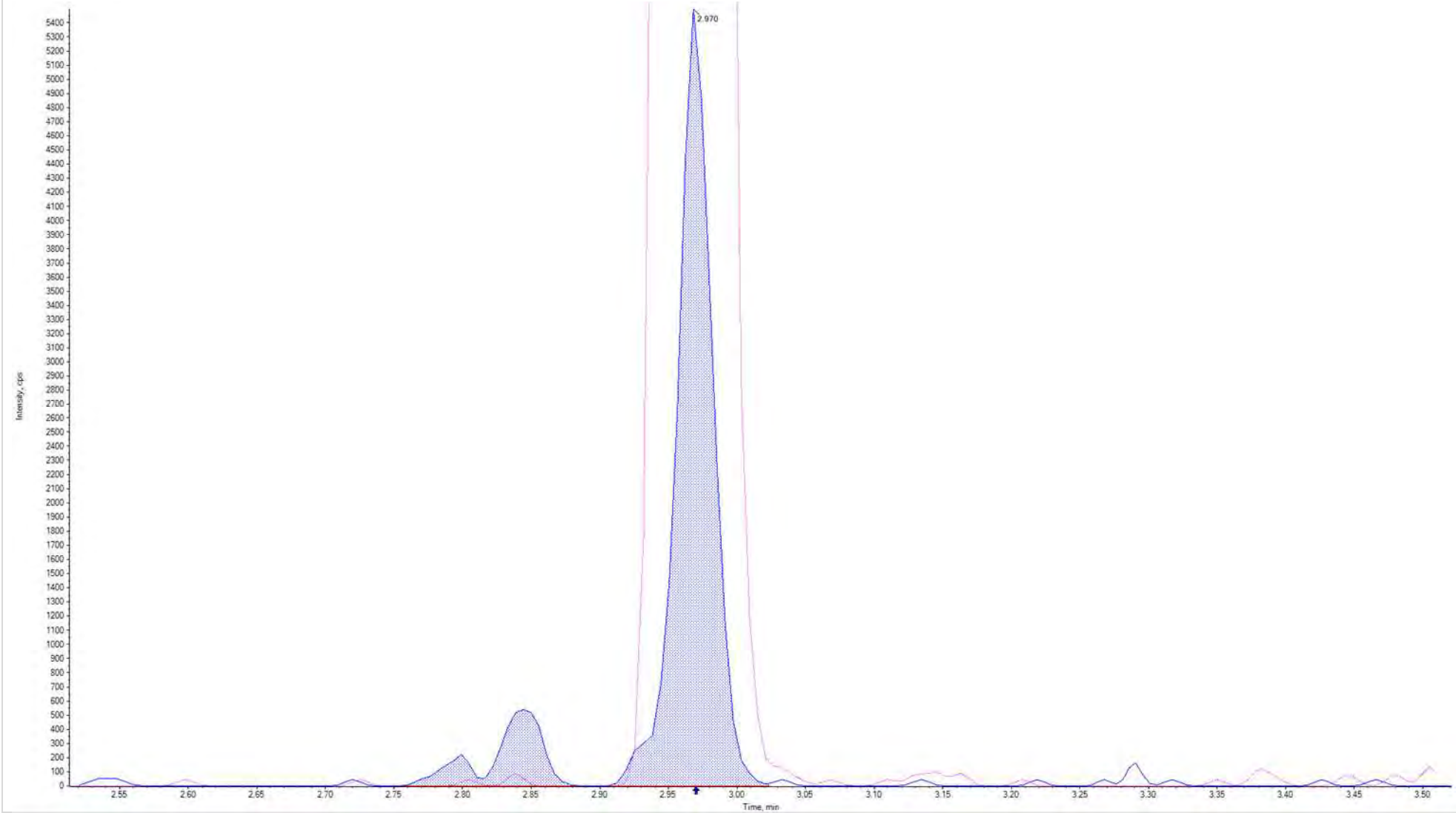
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFHxS_2
Sample: WG2012727-2R S/N:124.0 Points Across peak:47



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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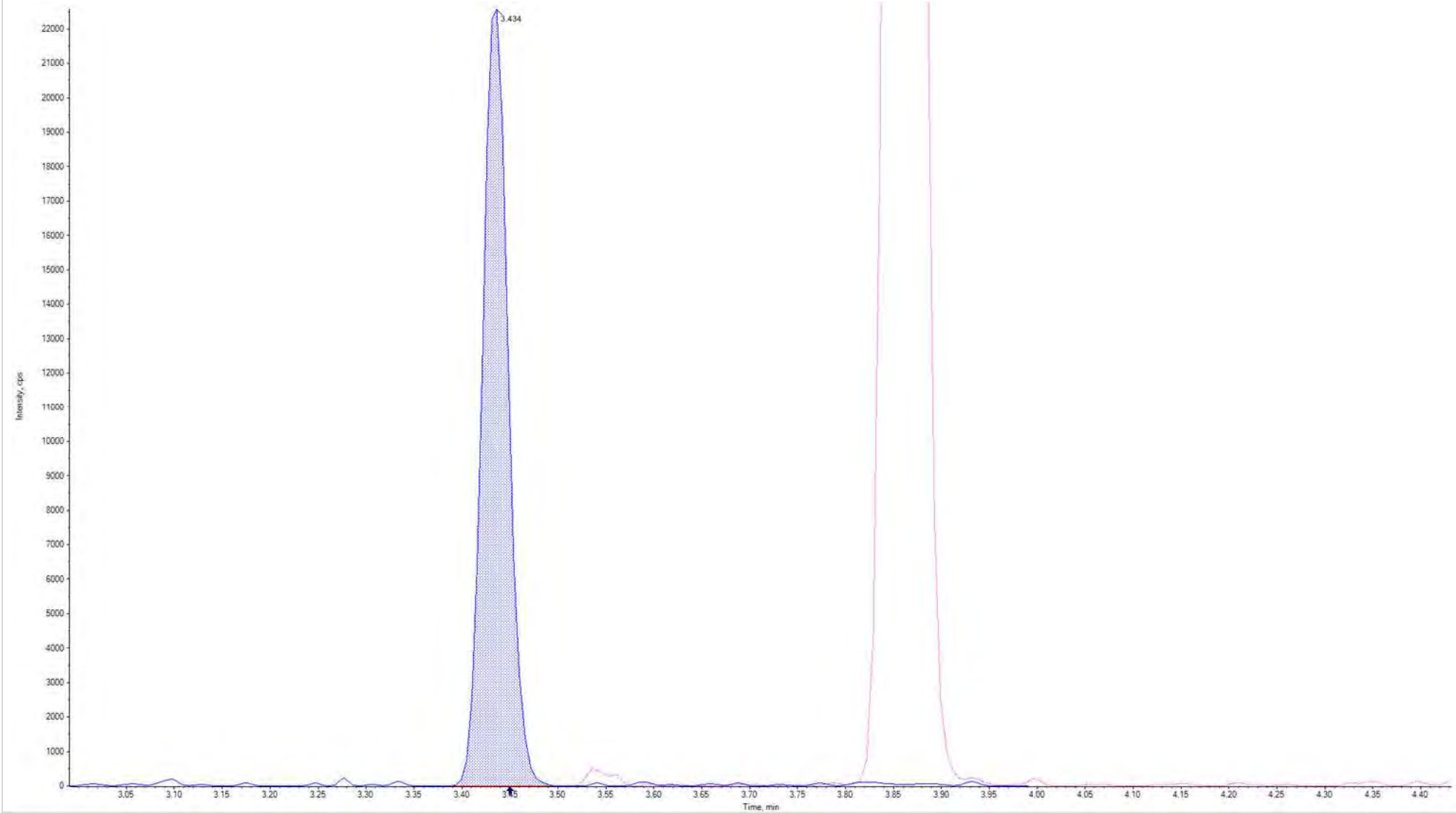
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFHpS
Sample: WG2012727-2R S/N:452.7 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/24/2024 12:27:37 PM
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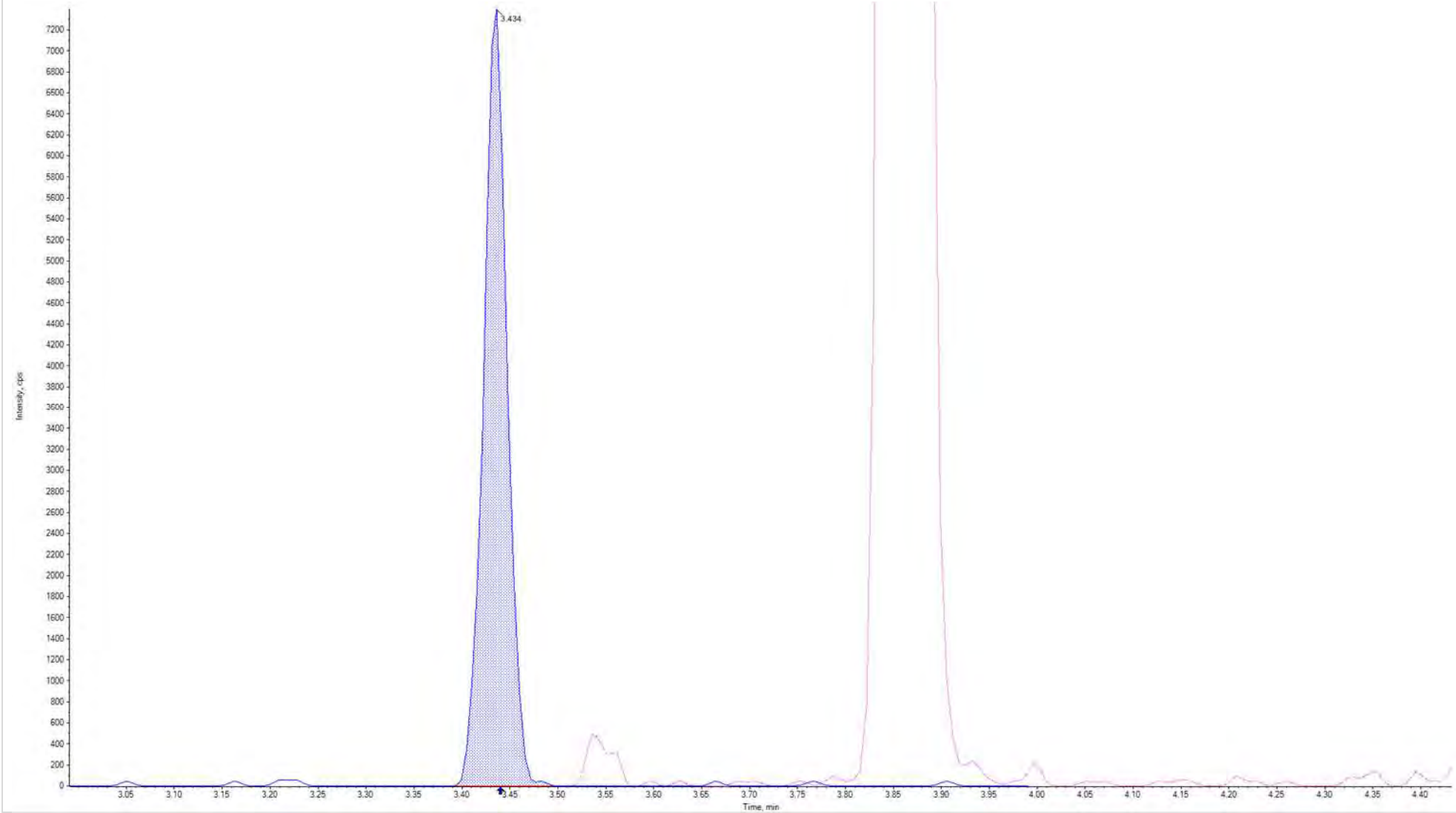
PFHpS_2
Sample: WG2012727-2R S/N:148.4 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/24/2024 12:27:37 PM
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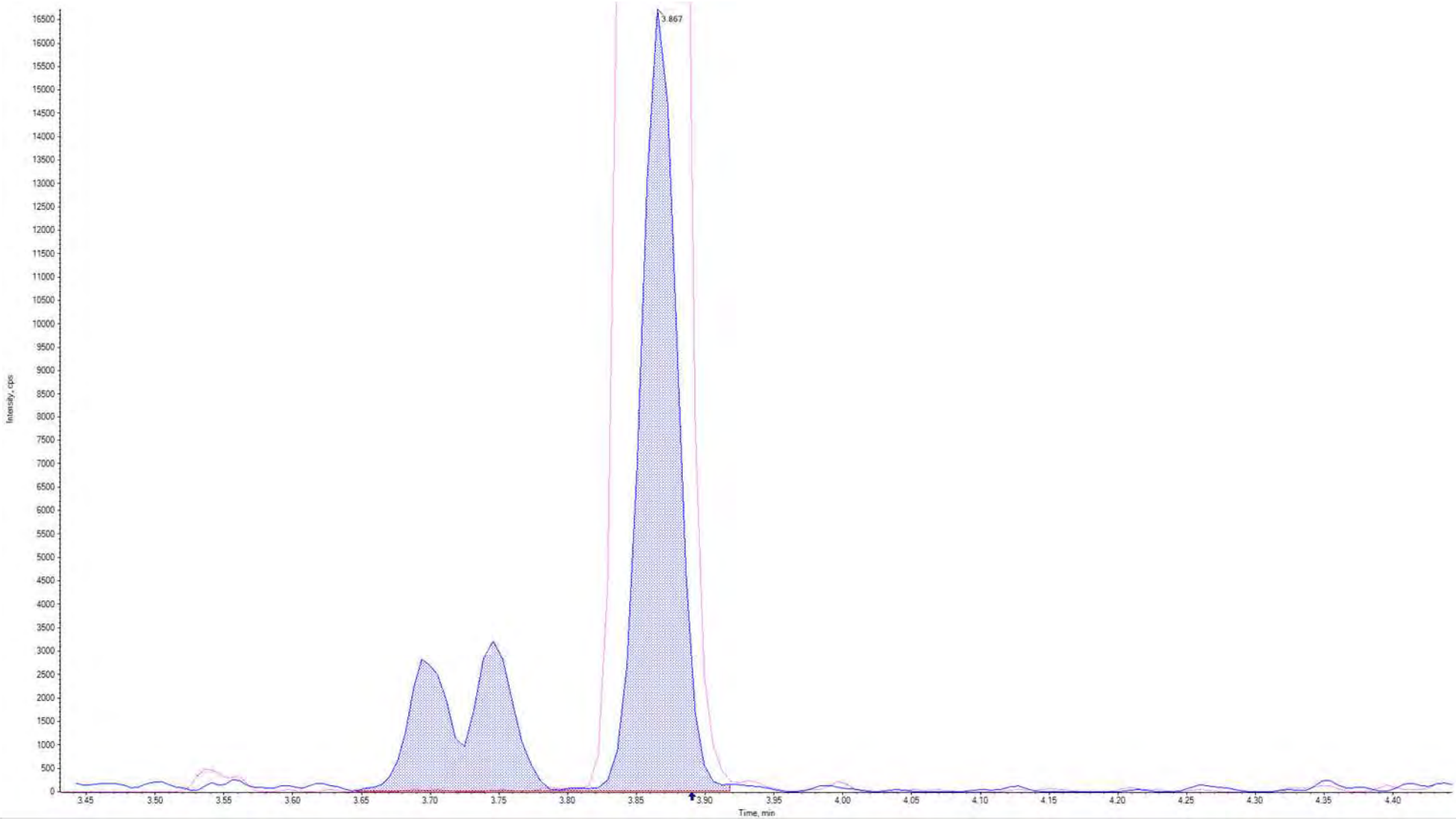
PFOS
Sample: WG2012727-2R S/N:224.5 Points Across peak:43



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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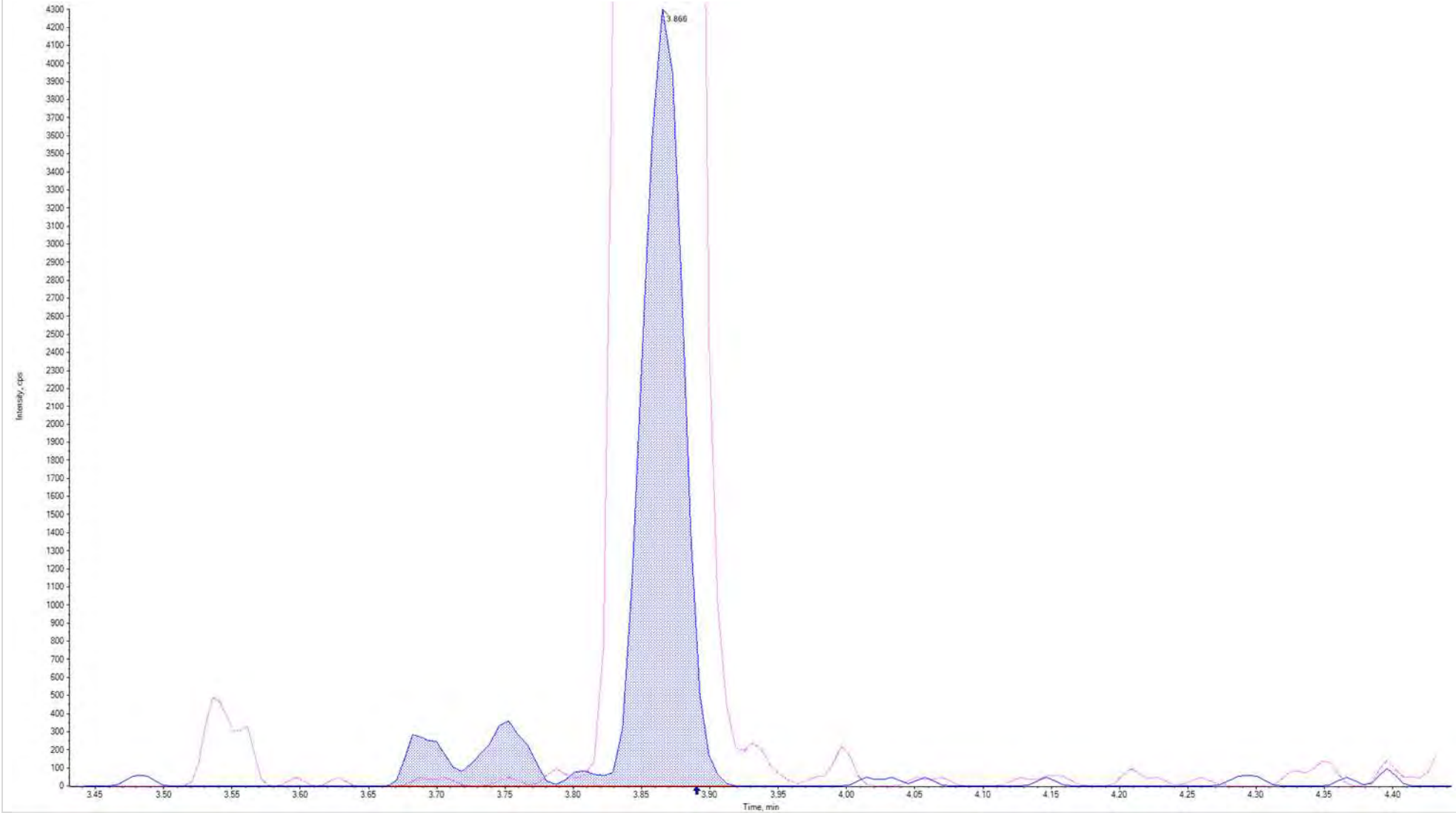
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFOS_2
Sample: WG2012727-2R S/N:86.2 Points Across peak:41



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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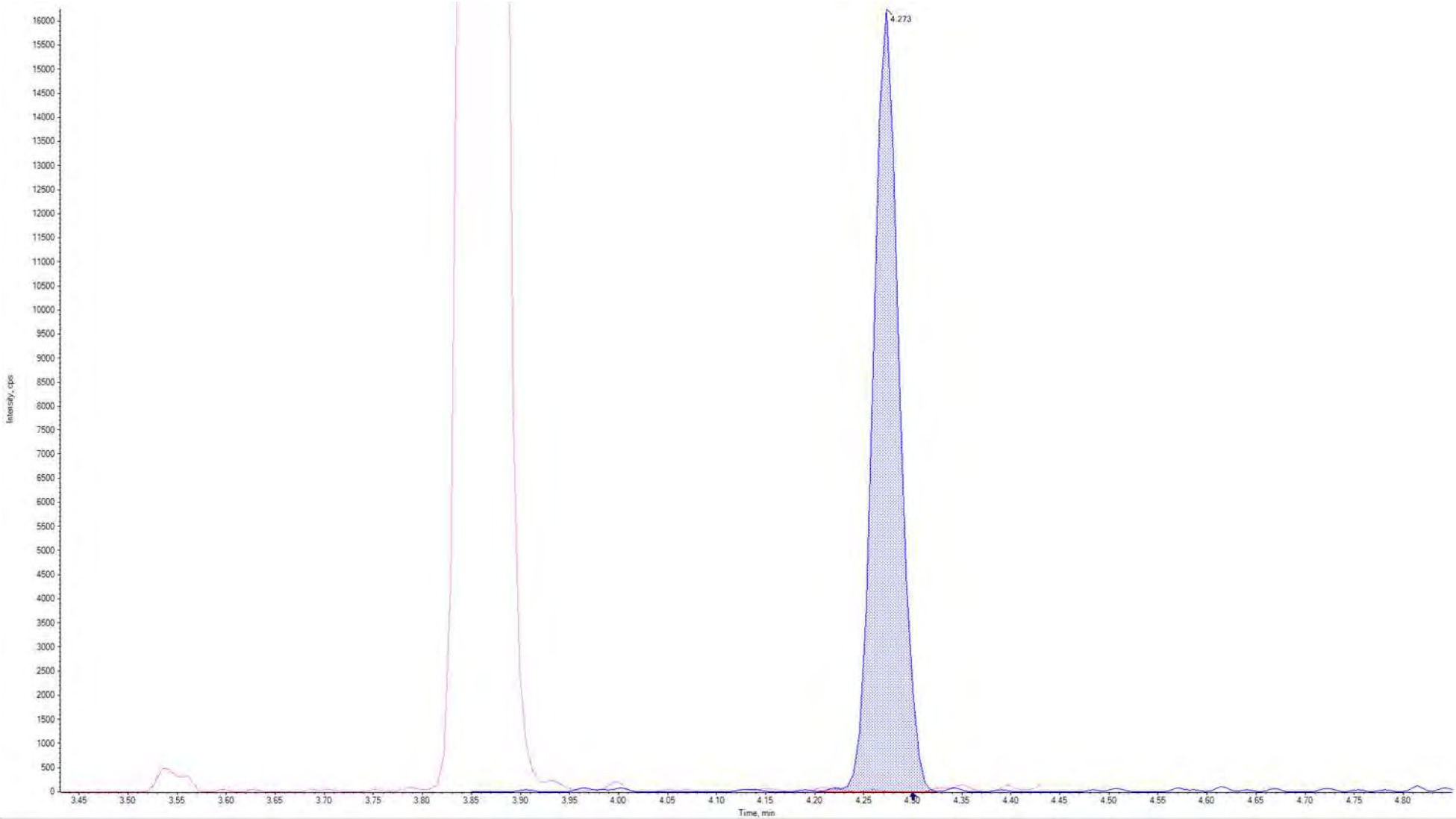
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFNS
Sample: WG2012727-2R S/N:407.1 Points Across peak:20



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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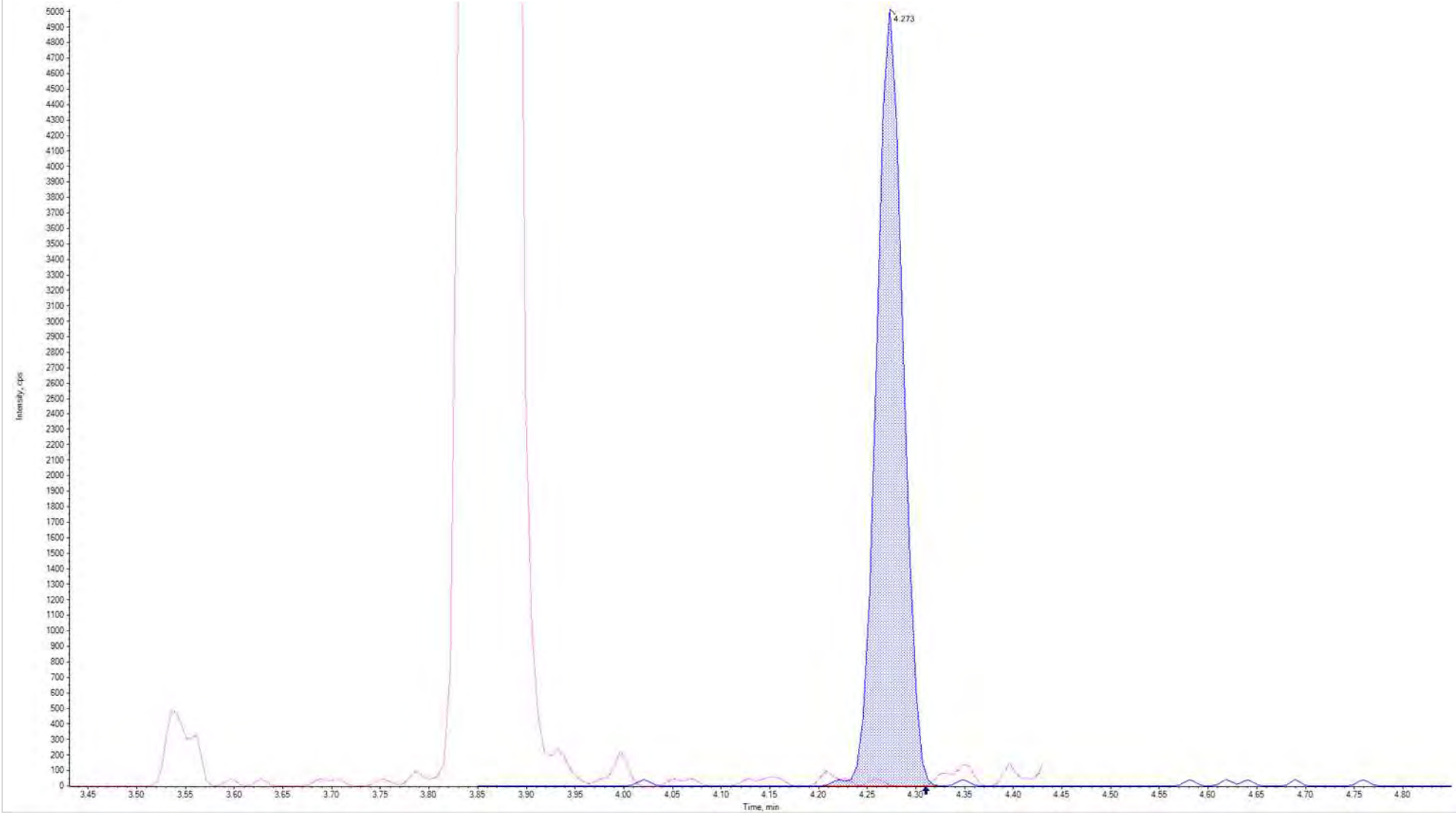
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFNS_2
Sample: WG2012727-2R S/N:125.7 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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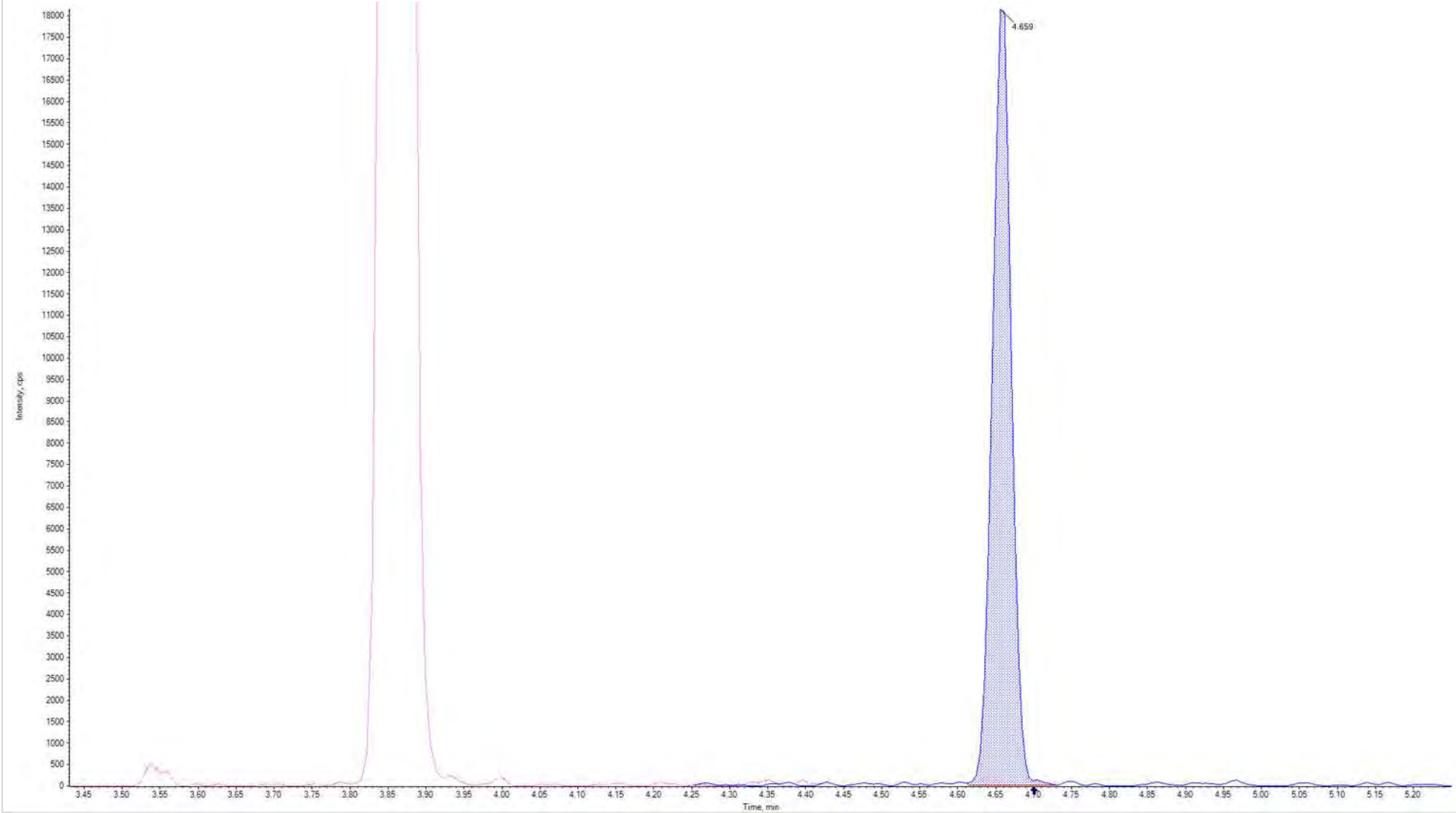
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFDS
Sample: WG2012727-2R S/N:636.4 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/24/2024 12:27:37 PM
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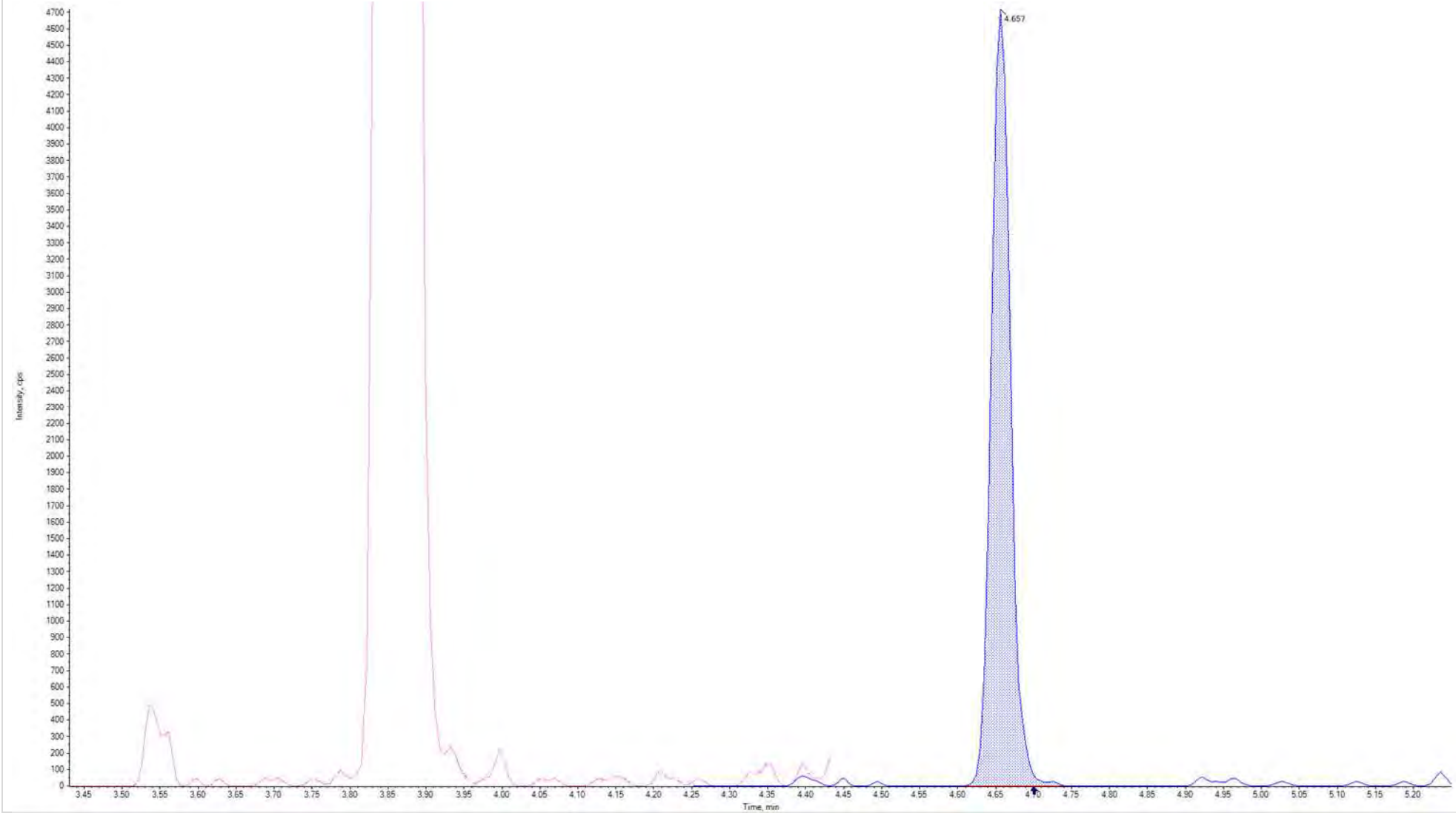
PFDS_2
Sample: WG2012727-2R S/N:165.6 Points Across peak:37



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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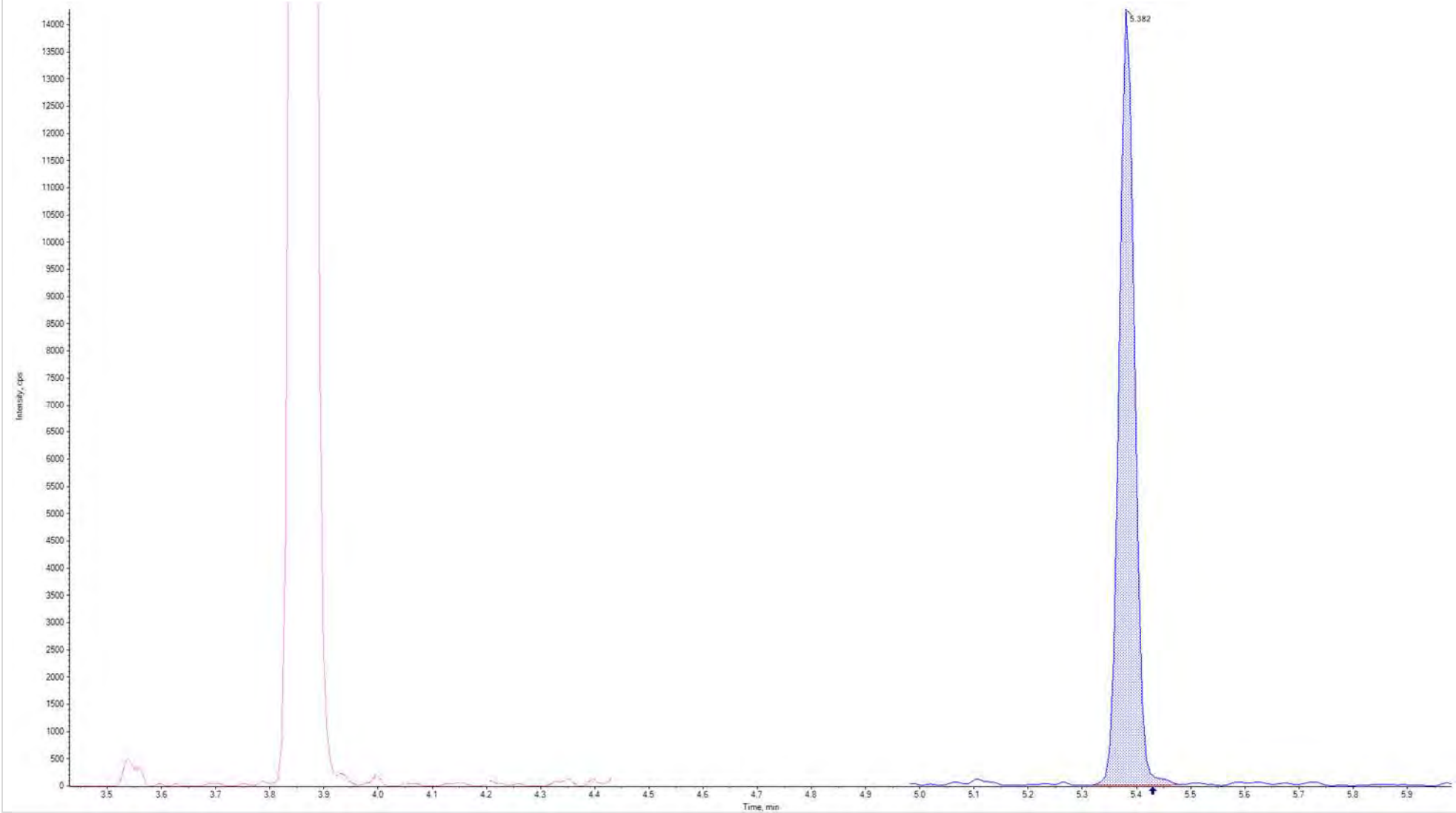
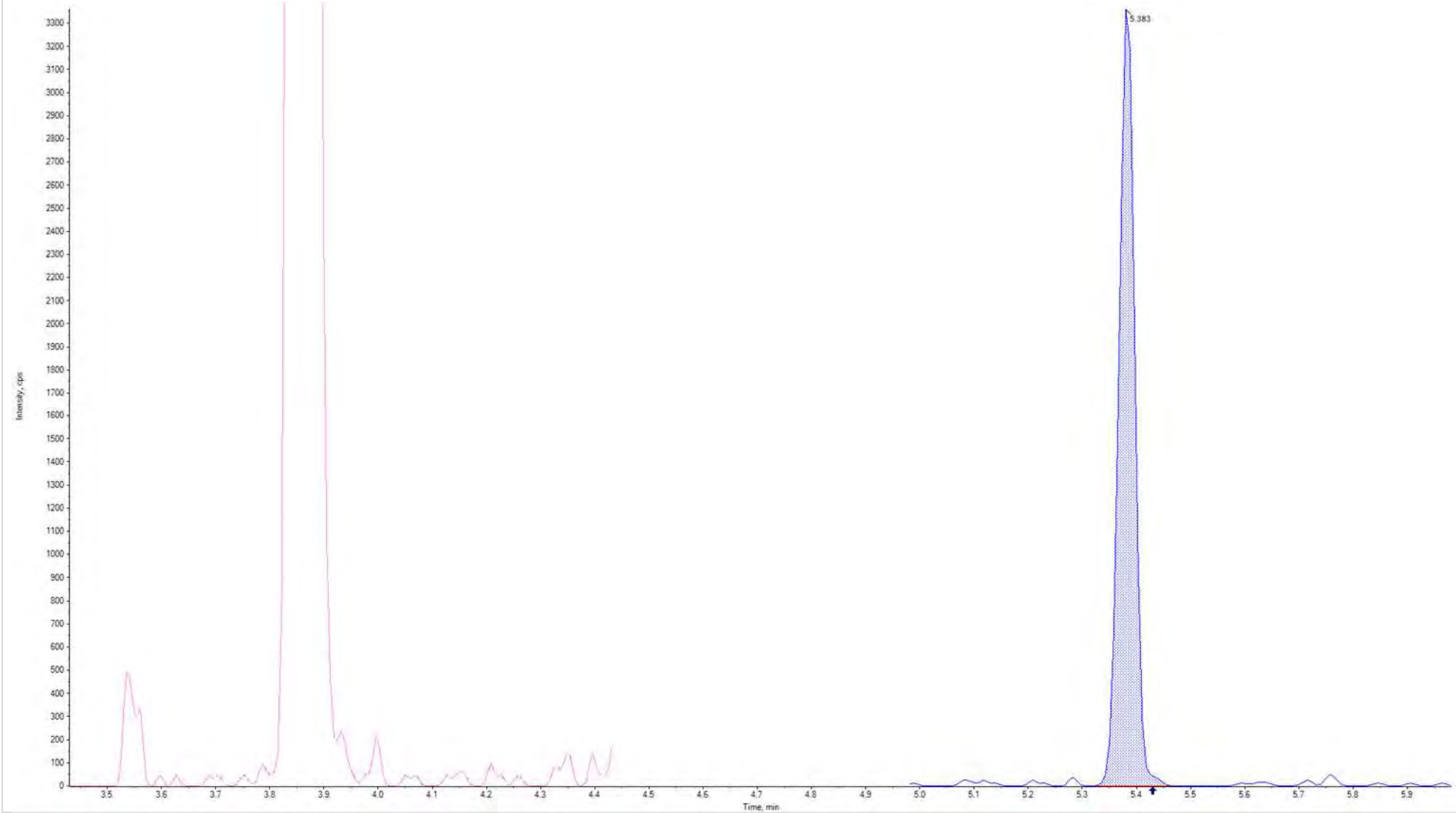
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFDoS
Sample: WG2012727-2R S/N:1109.0 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_19.wiff2_4
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFDoS_2
Sample: WG2012727-2R S/N:261.2 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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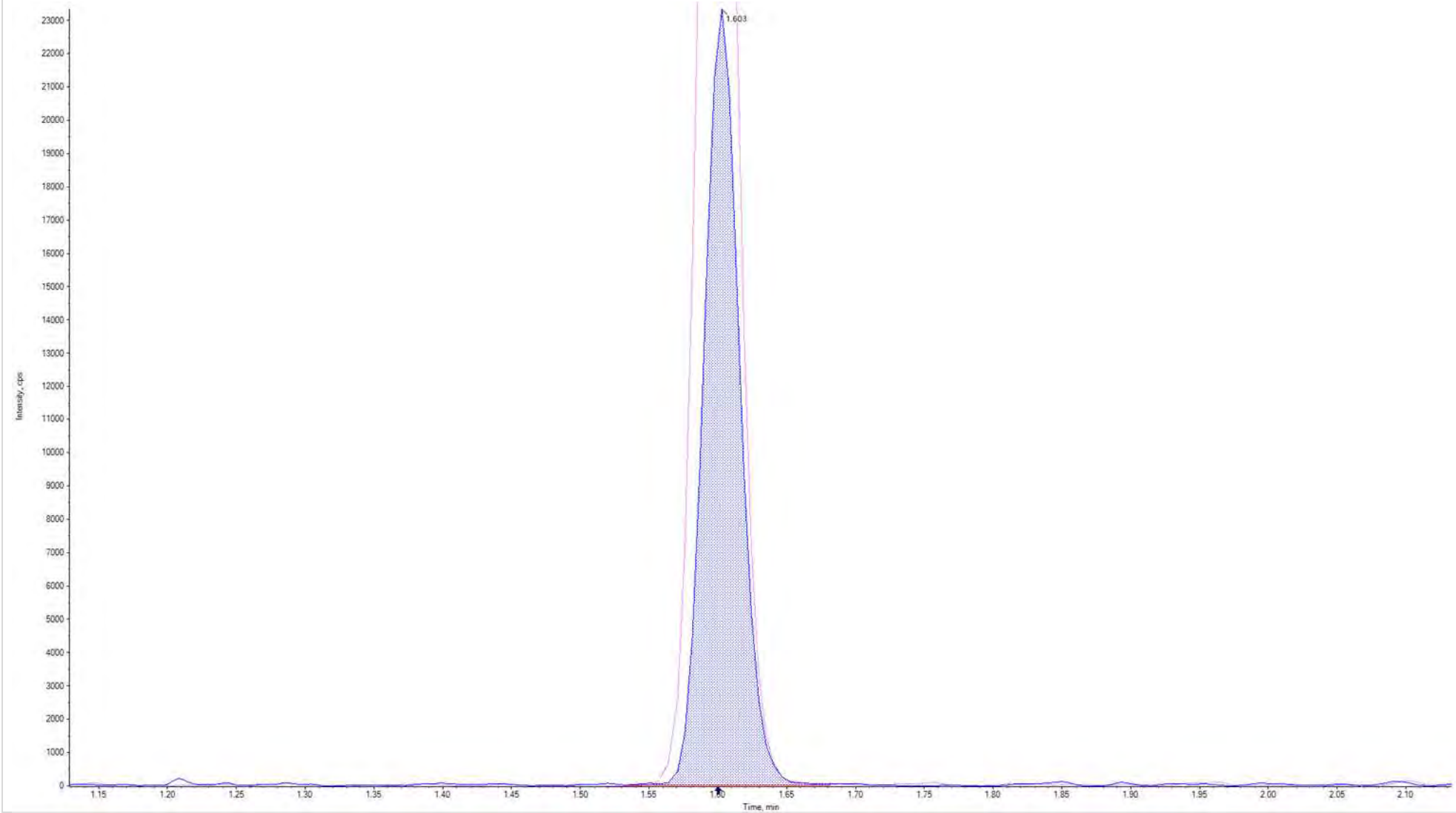
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

4:2FTS
Sample: WG2012727-2R S/N:876.6 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/24/2024 12:27:37 PM
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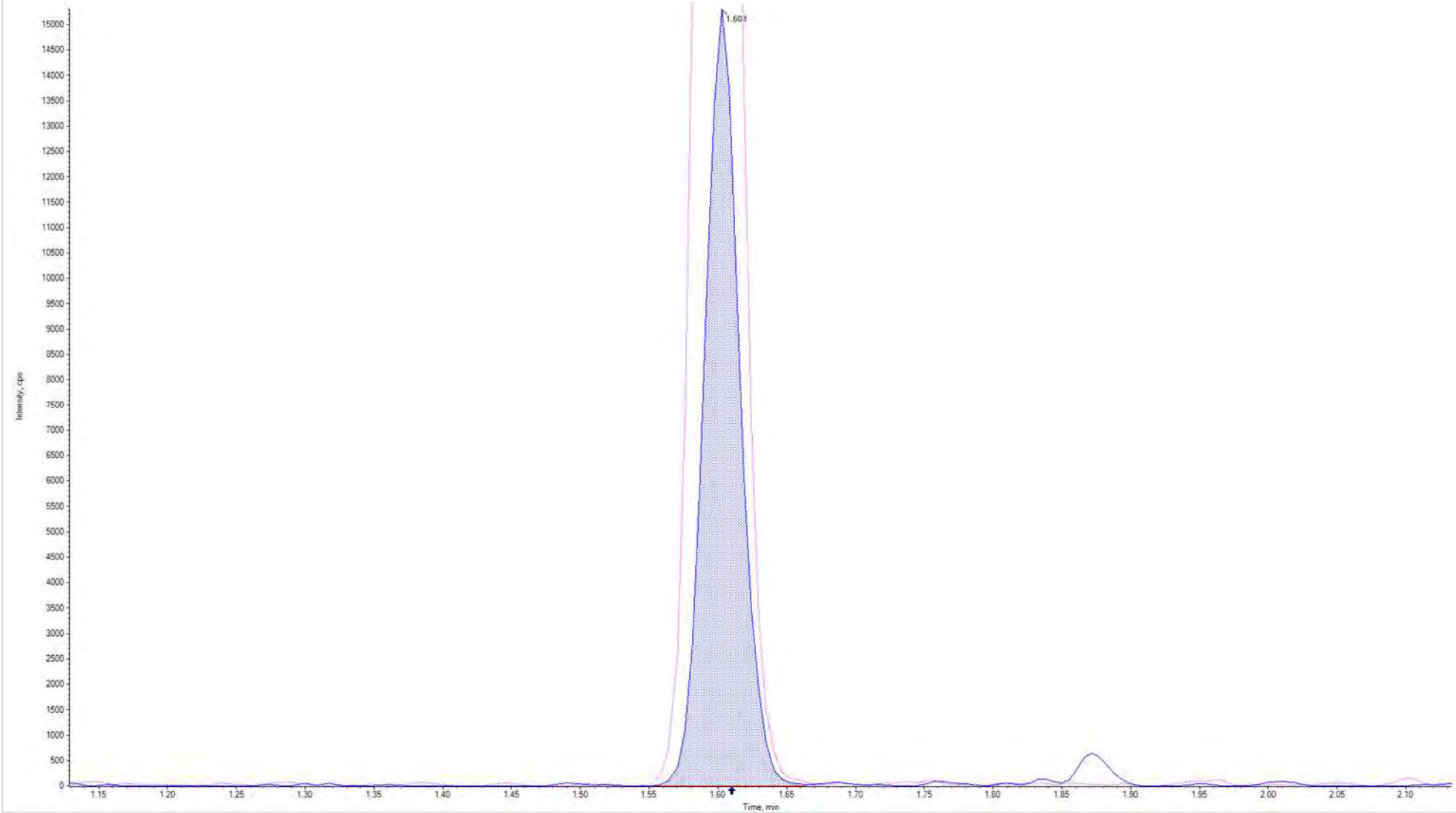
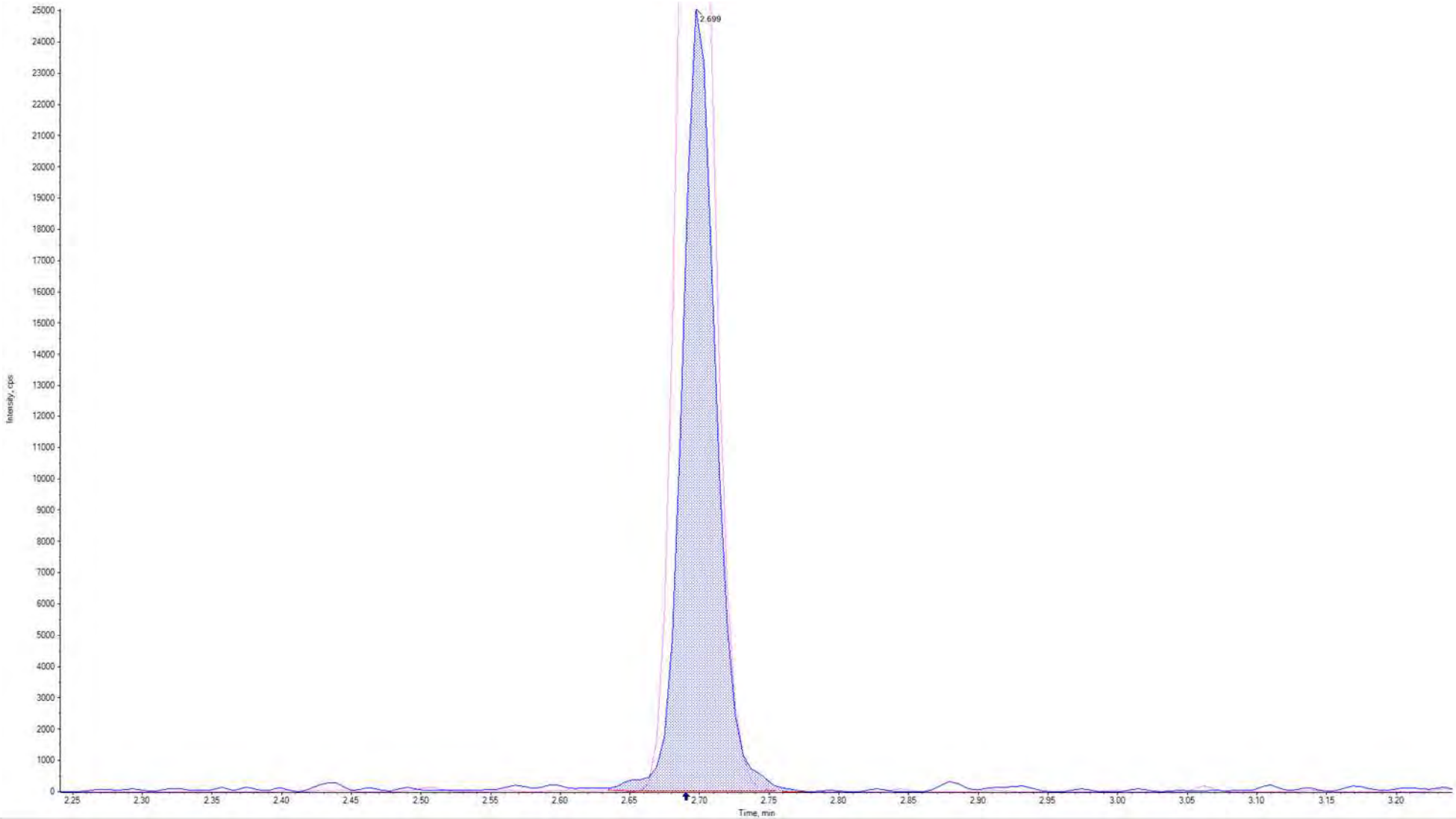
4:2FTS_2
Sample: WG2012727-2R S/N:575.4 Points Across peak:22



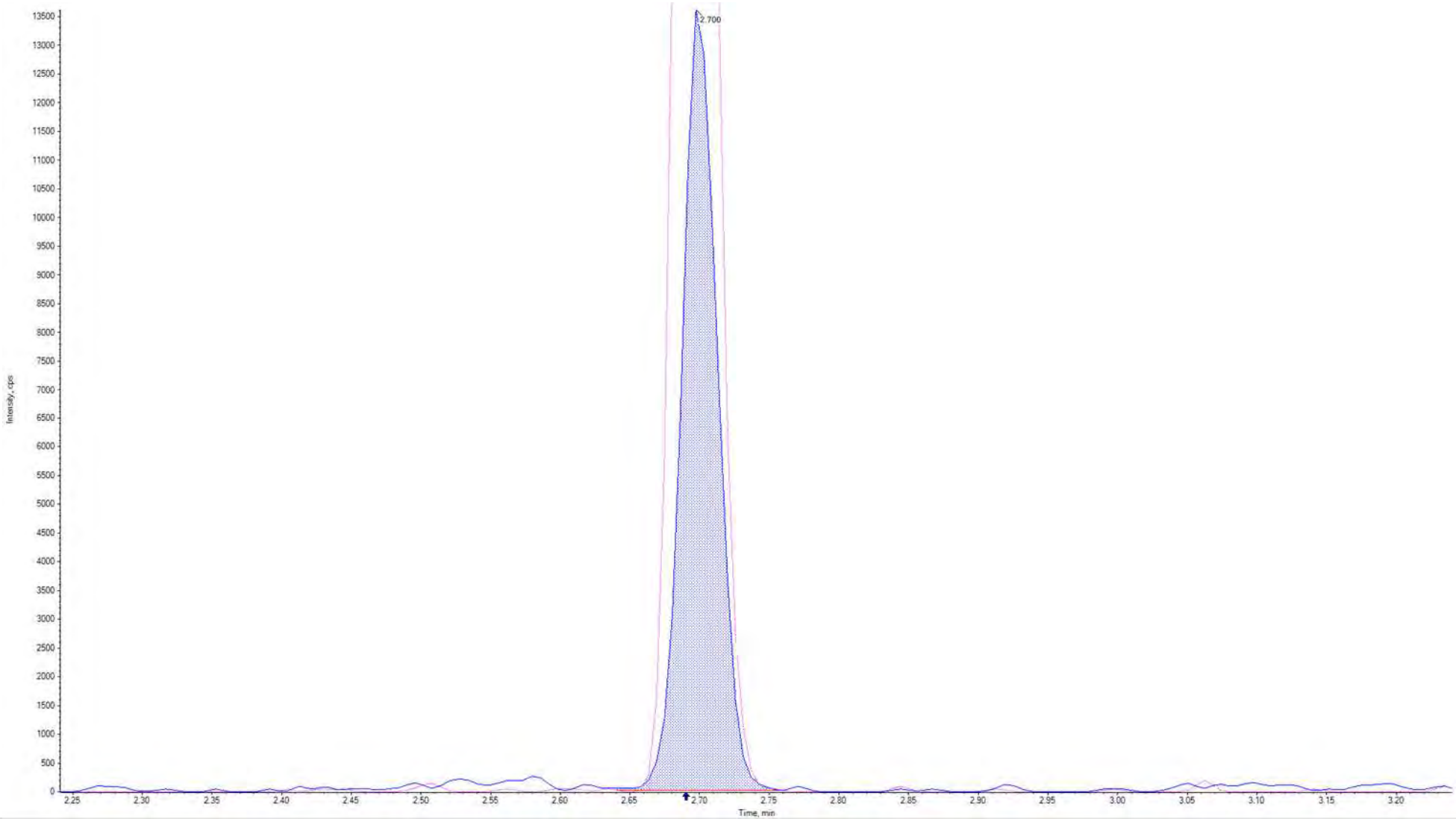
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_19.wiff2_4
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

6:2FTS
Sample: WG2012727-2R S/N:501.8 Points Across peak:26



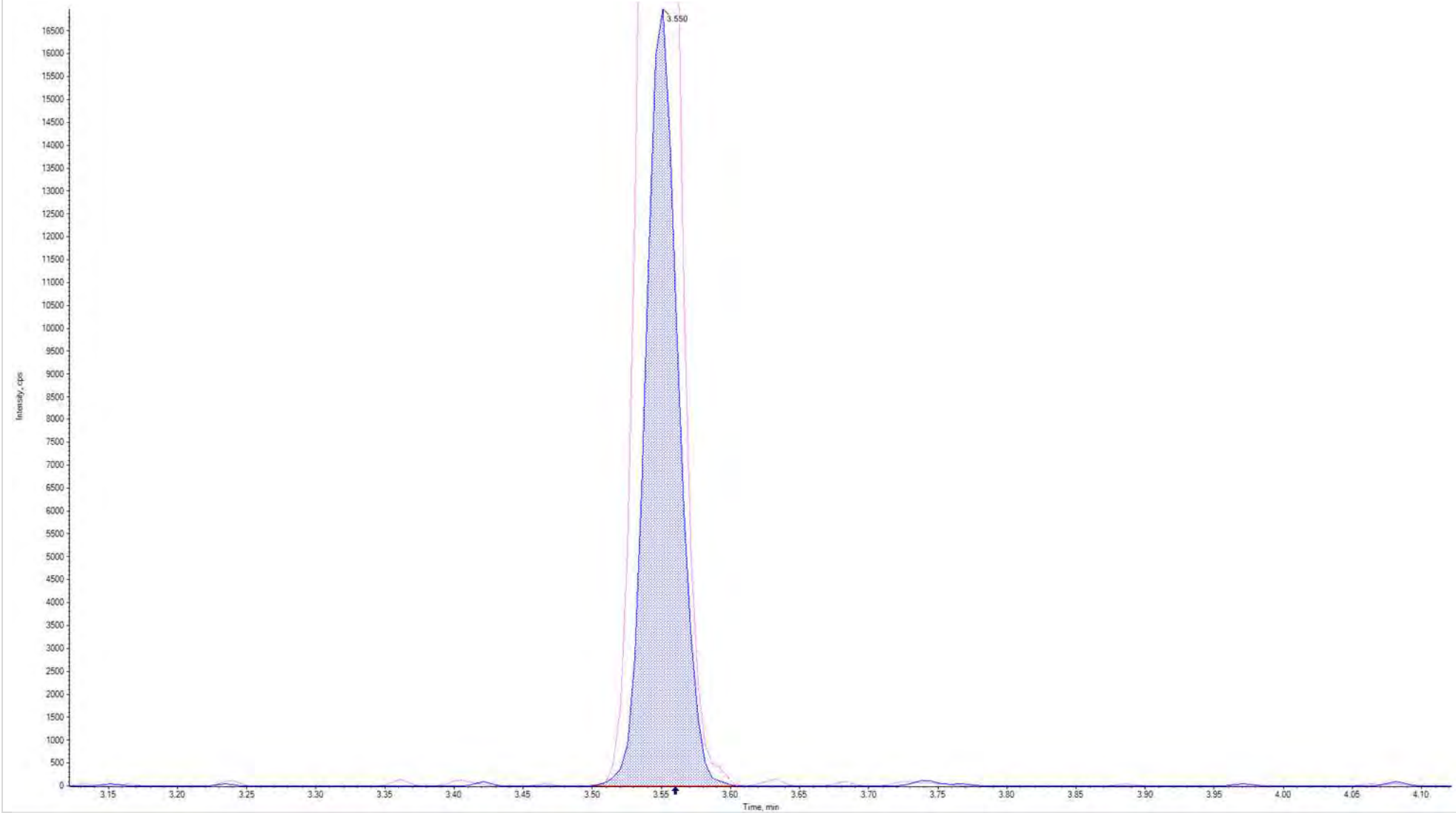
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_19.wiff2_4
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

6:2FTS_2
Sample: WG2012727-2R S/N:272.6 Points Across peak:22



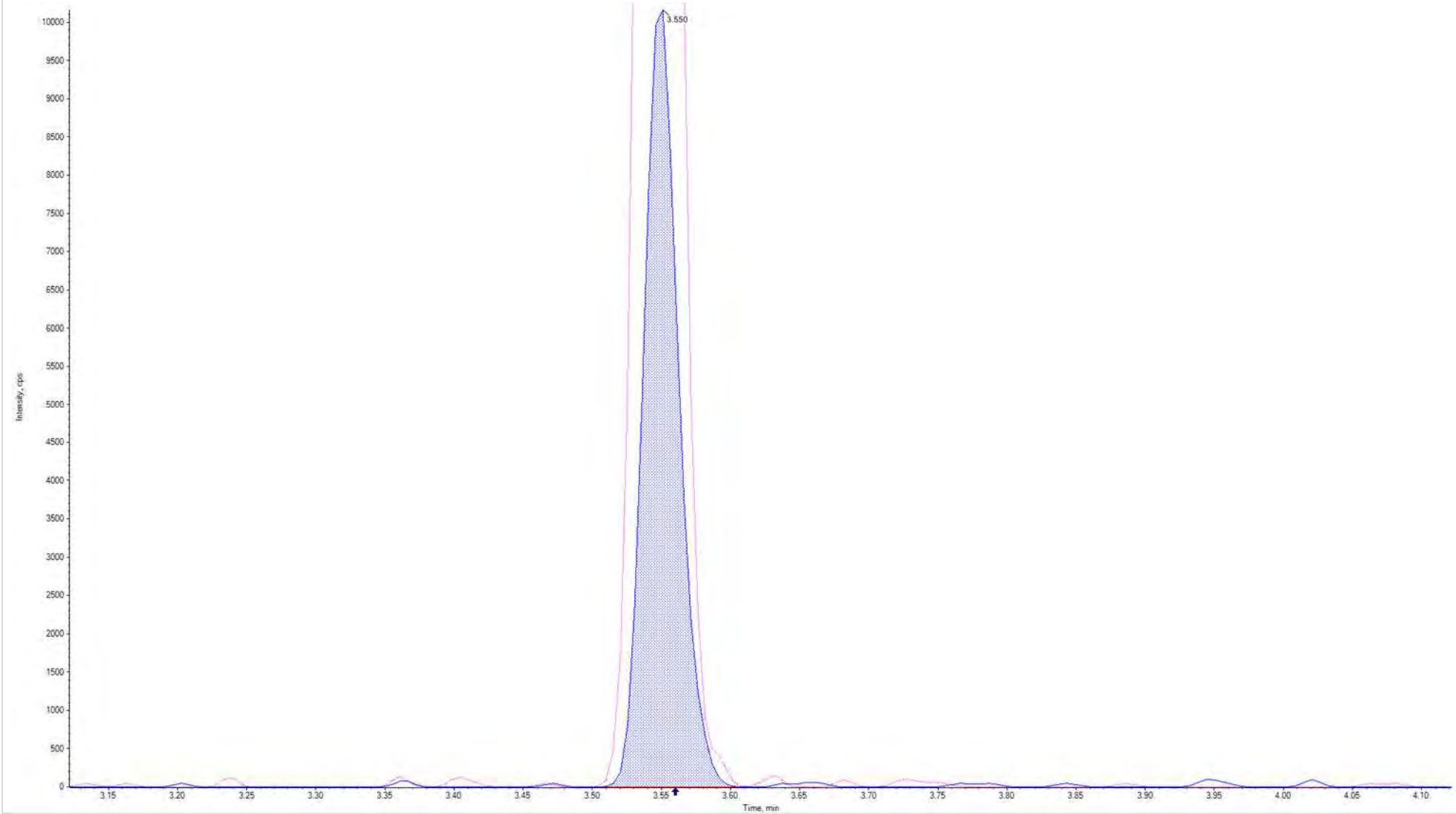
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_19.wiff2_4
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

8:2FTS
Sample: WG2012727-2R S/N:340.4 Points Across peak:33



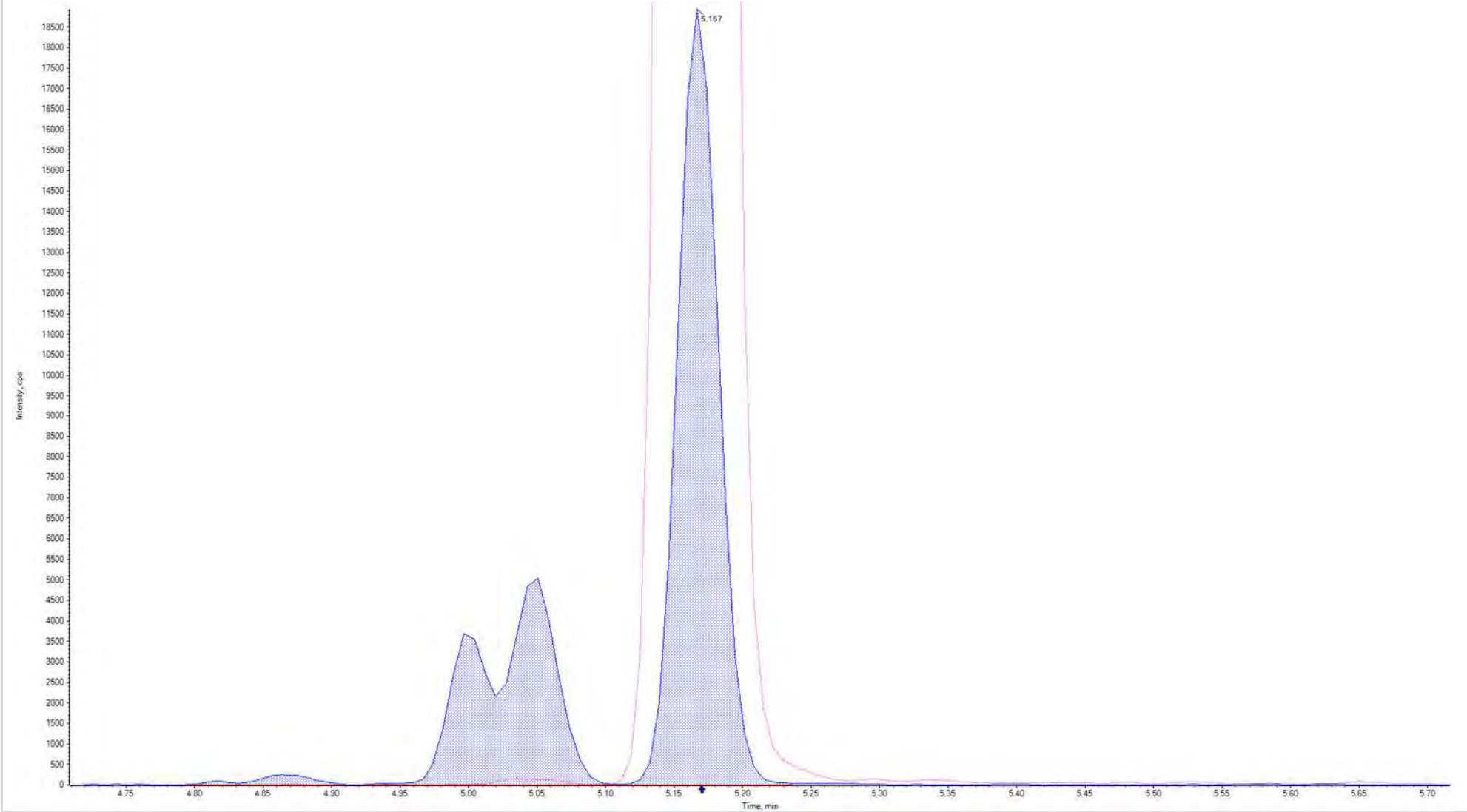
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_19.wiff2_4
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

8:2FTS_2
Sample: WG2012727-2R S/N:203.8 Points Across peak:25



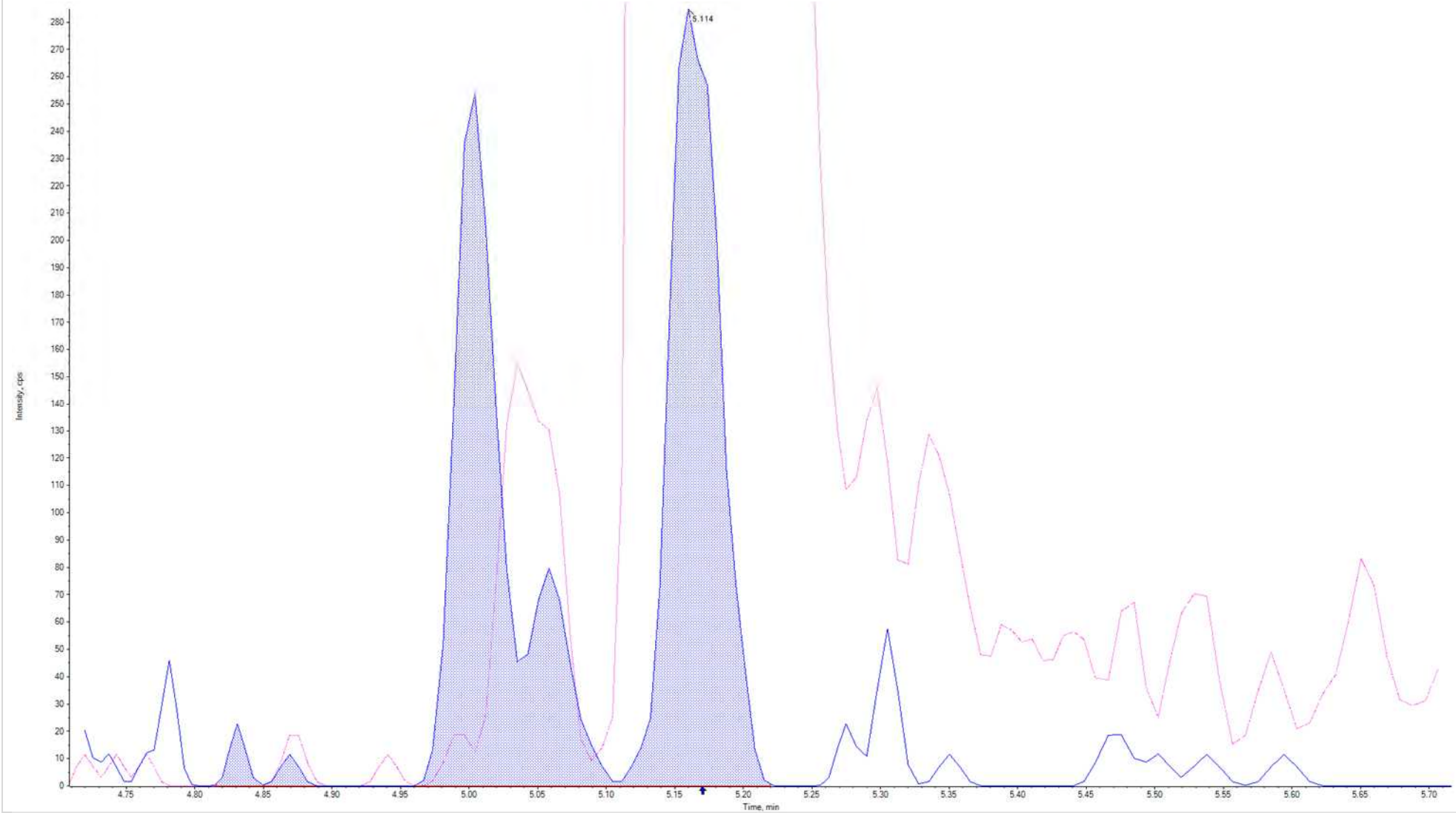
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_19.wiff2_4
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFOSA
Sample: WG2012727-2R S/N:304.1 Points Across peak:67



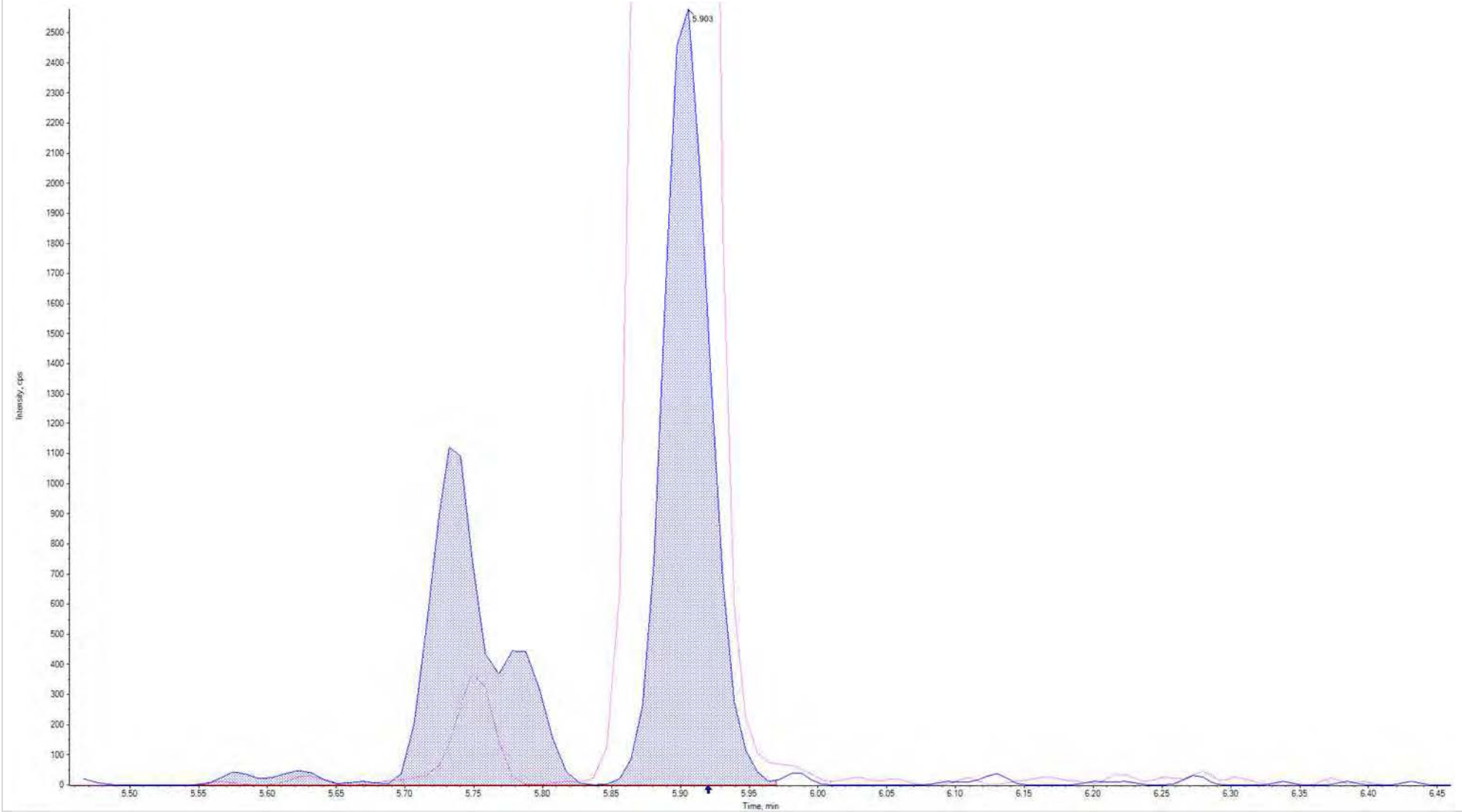
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_19.wiff2_4
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFOSA_2
Sample: WG2012727-2R S/N:25.0 Points Across peak:60



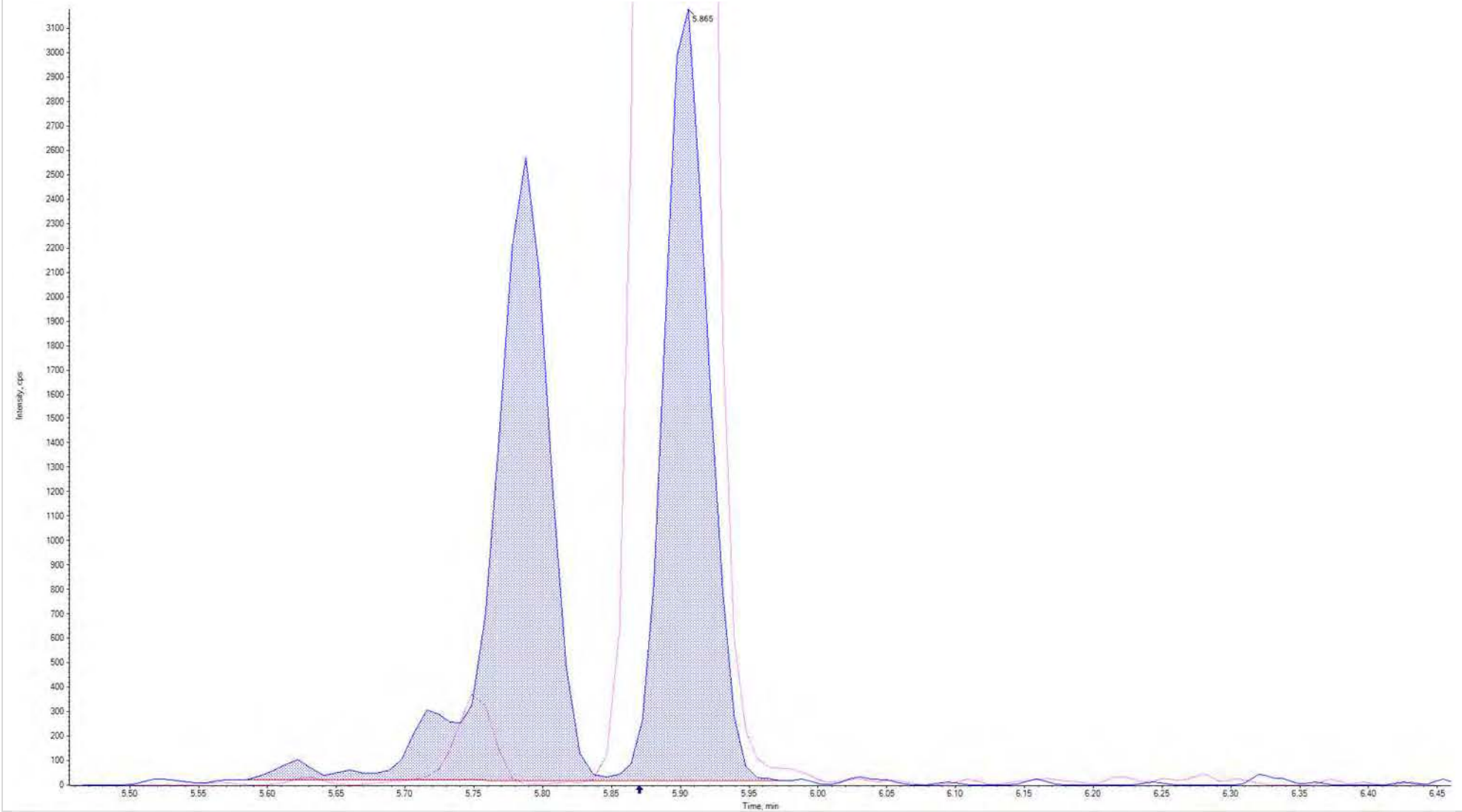
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_19.wiff2_4
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

NMeFOSA
Sample: WG2012727-2R S/N:175.6 Points Across peak:49



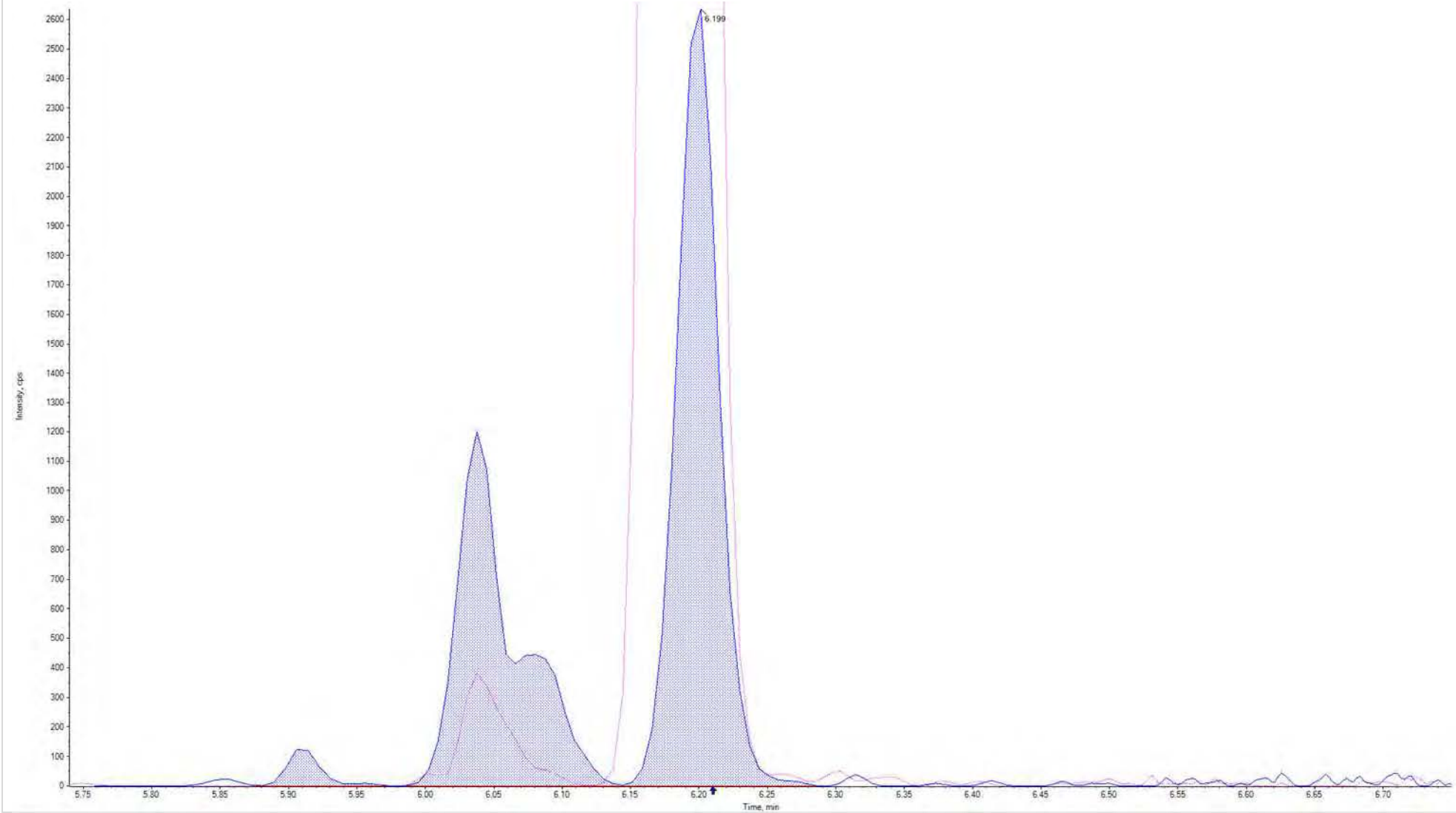
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_19.wiff2_4
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

NMeFOSA_2
Sample: WG2012727-2R S/N:147.8 Points Across peak:45



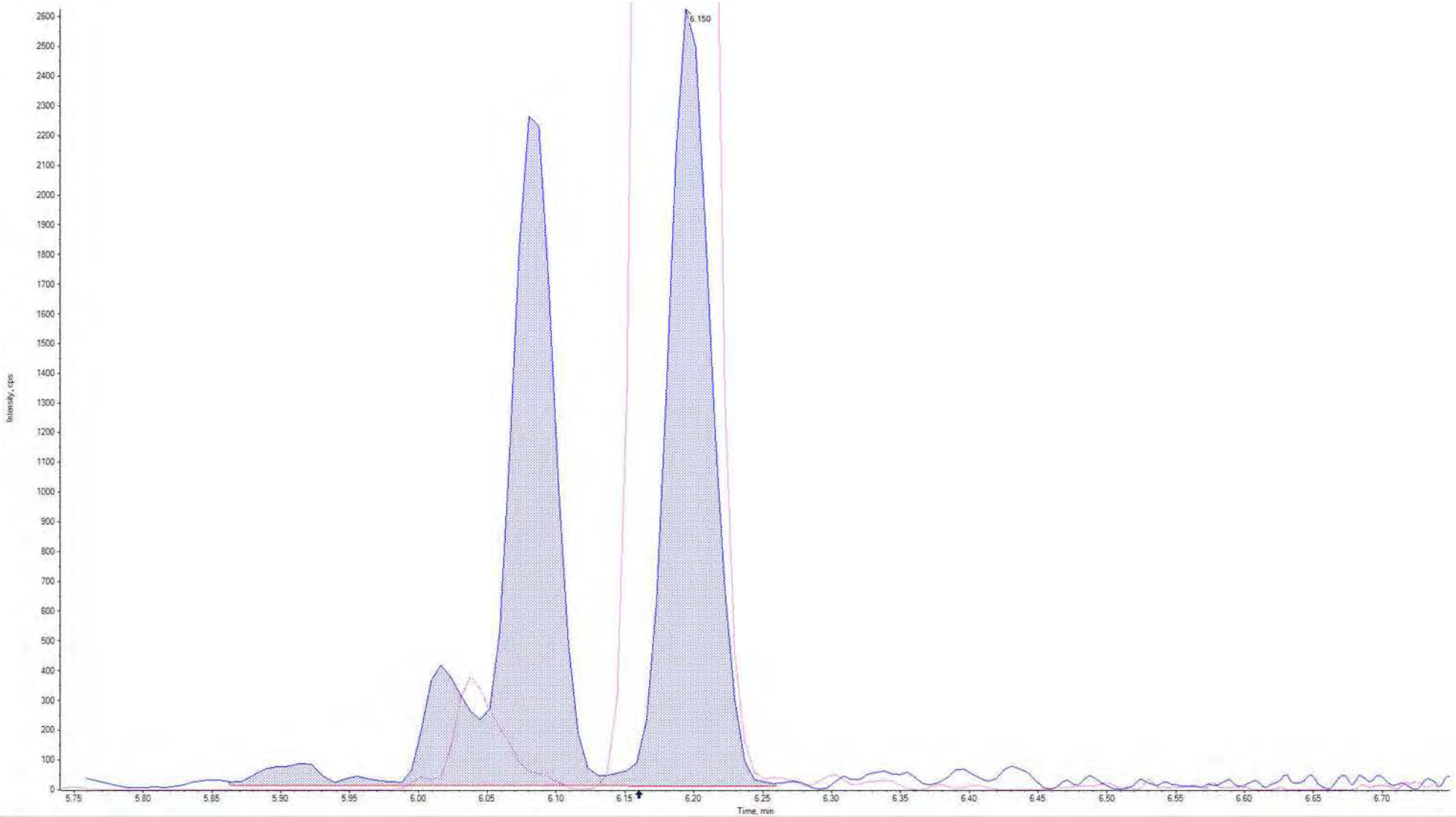
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_19.wiff2_4
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

NEtFOSA
Sample: WG2012727-2R S/N:229.4 Points Across peak:58



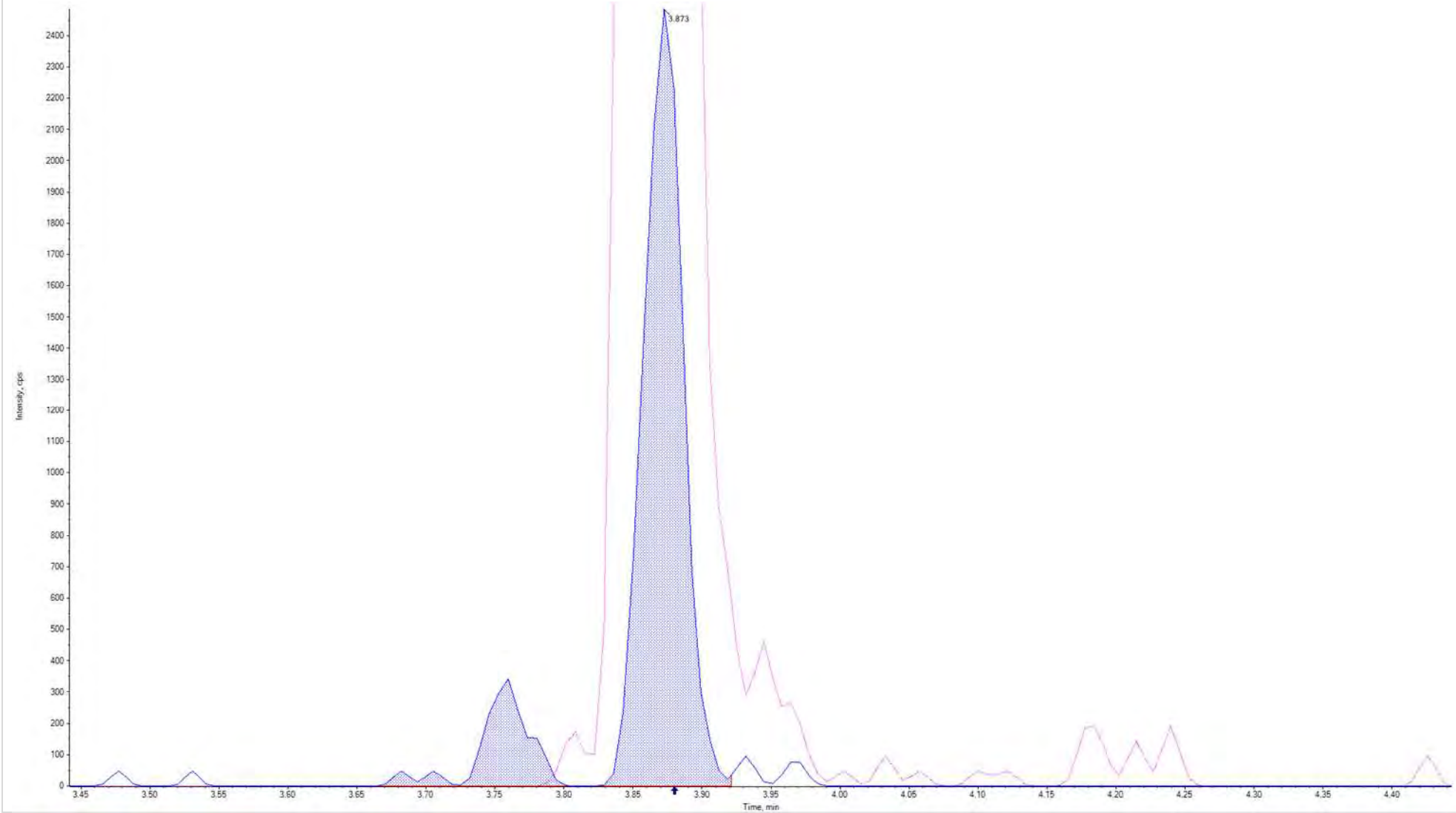
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_19.wiff2_4
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

NEtFOSA_2
Sample: WG2012727-2R S/N:160.9 Points Across peak:56



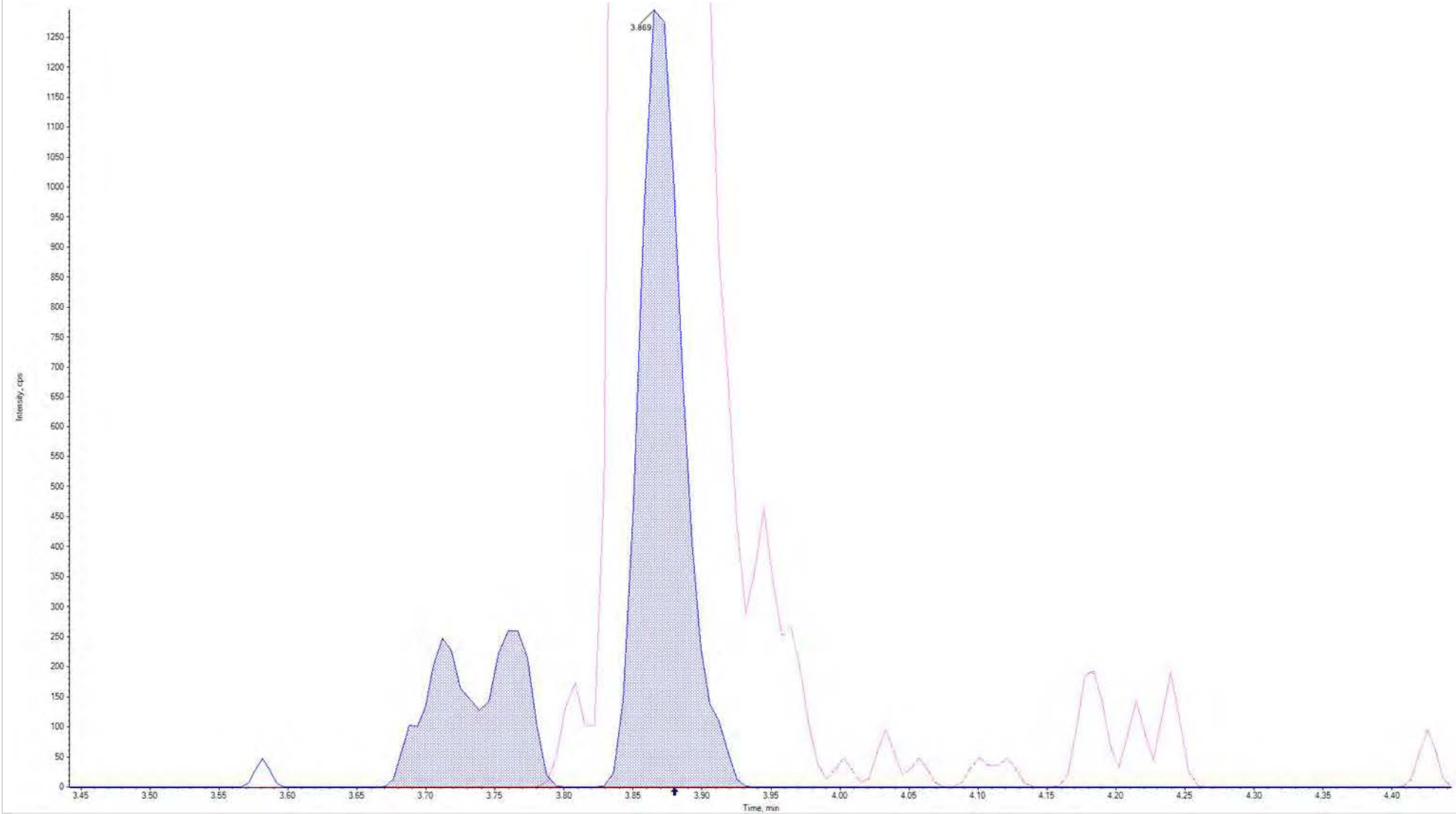
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_19.wiff2_4
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

NMeFOSAA
Sample: WG2012727-2R S/N:49.8 Points Across peak:41



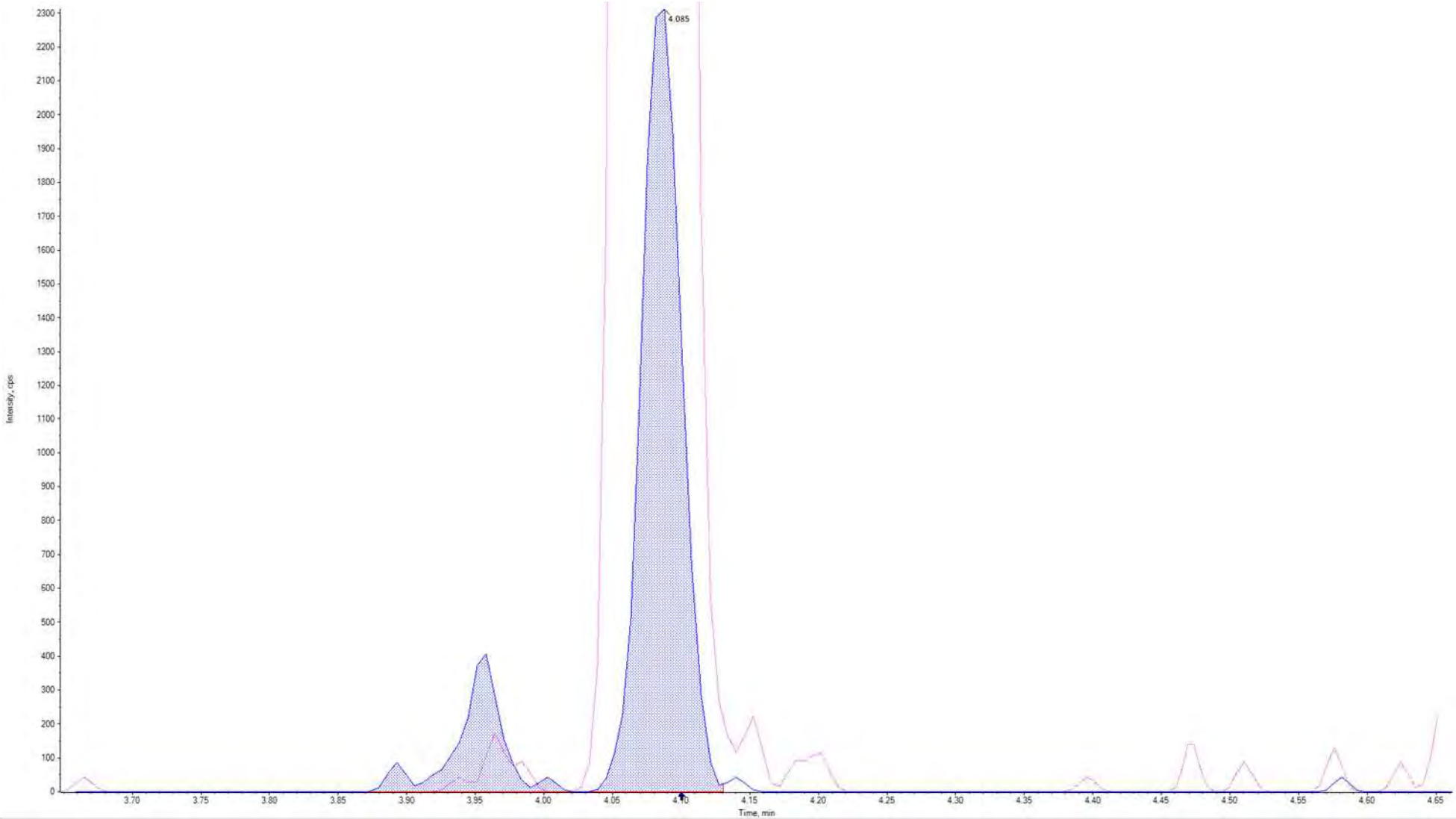
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_19.wiff2_4
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

NMeFOSAA_2
Sample: WG2012727-2R S/N:26.0 Points Across peak:50



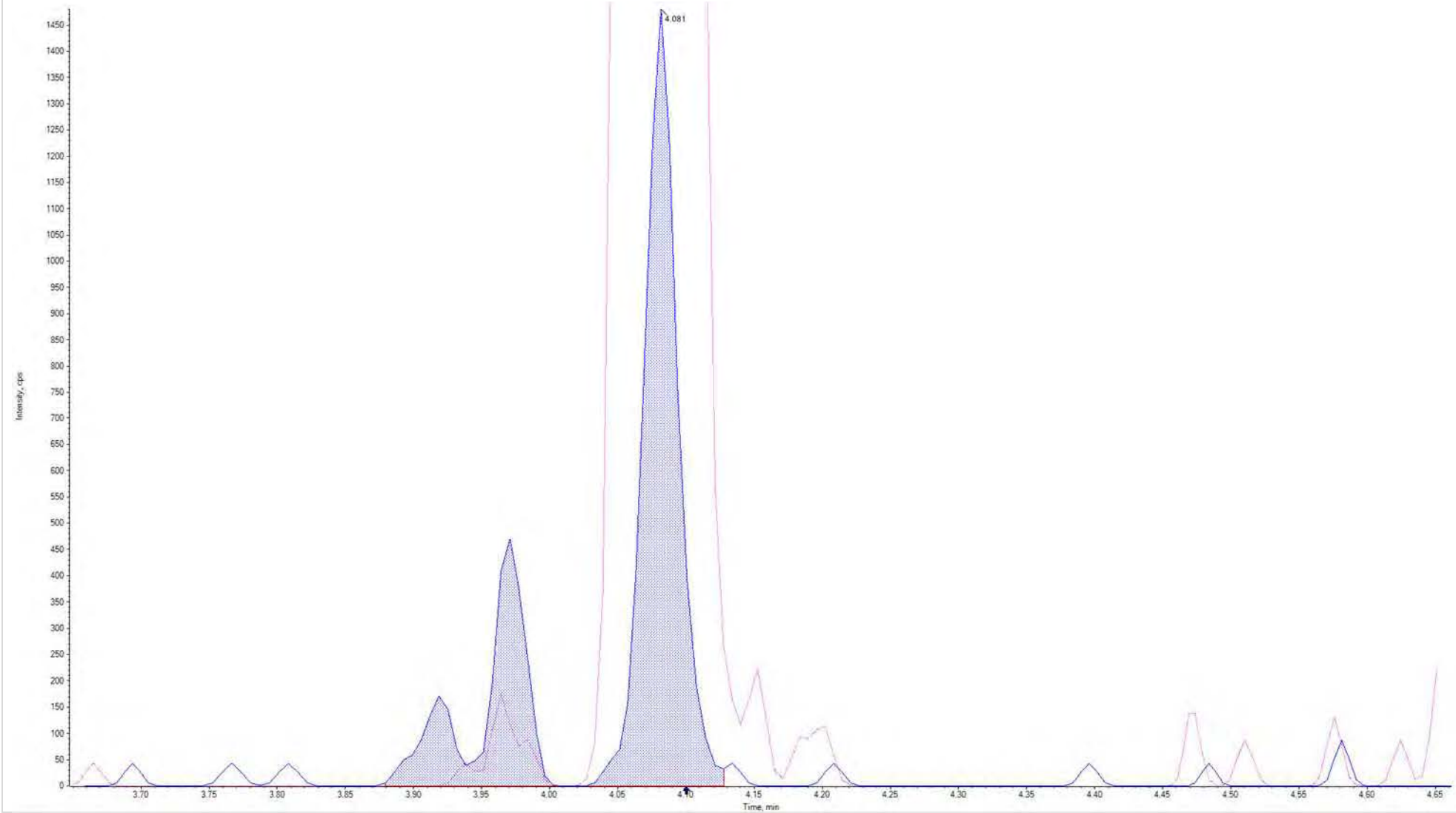
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_19.wiff2_4
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

NEtFOSAA
Sample: WG2012727-2R S/N:52.2 Points Across peak:43



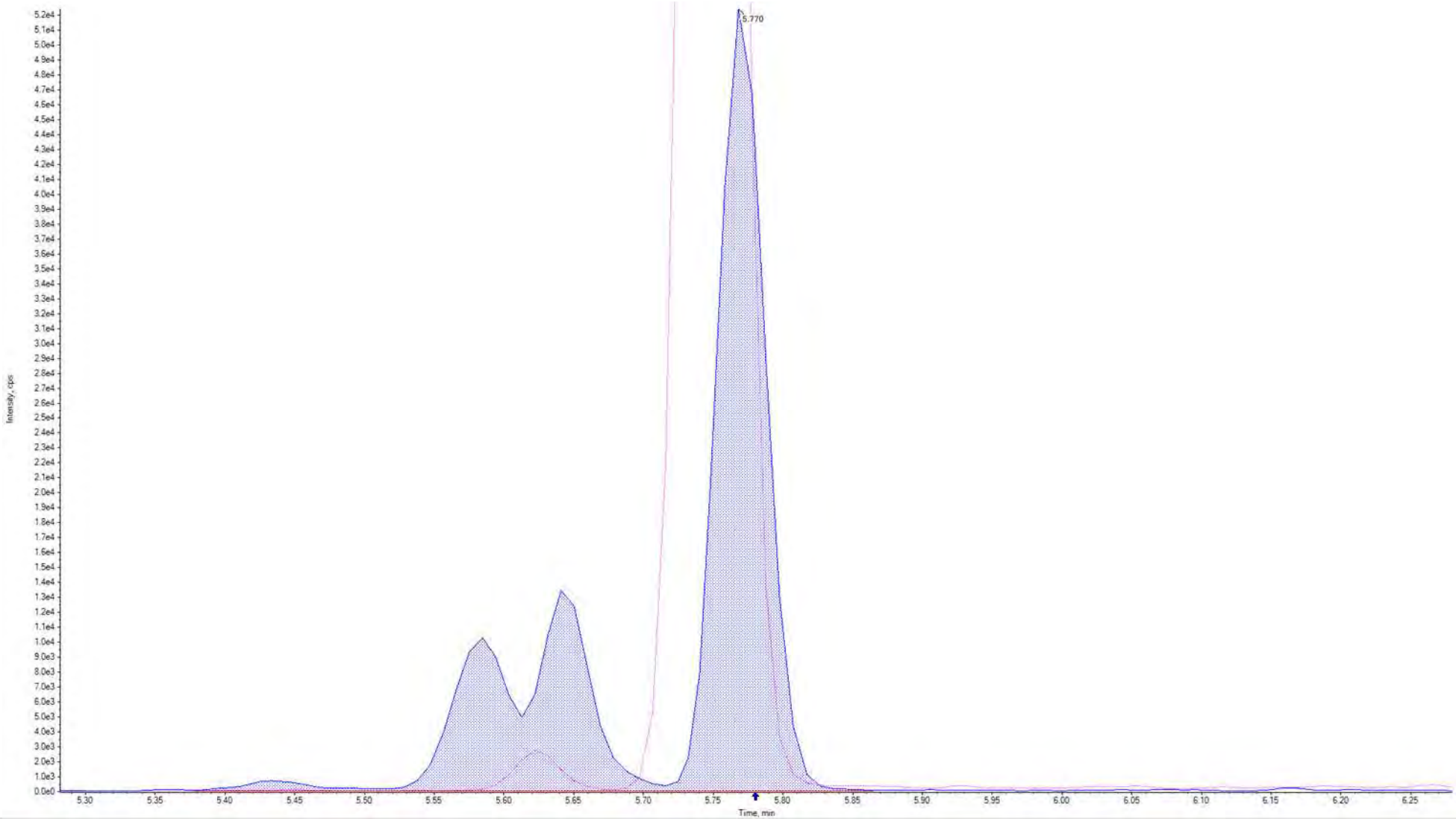
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_19.wiff2_4
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

NEtFOSAA_2
Sample: WG2012727-2R S/N:33.4 Points Across peak:42



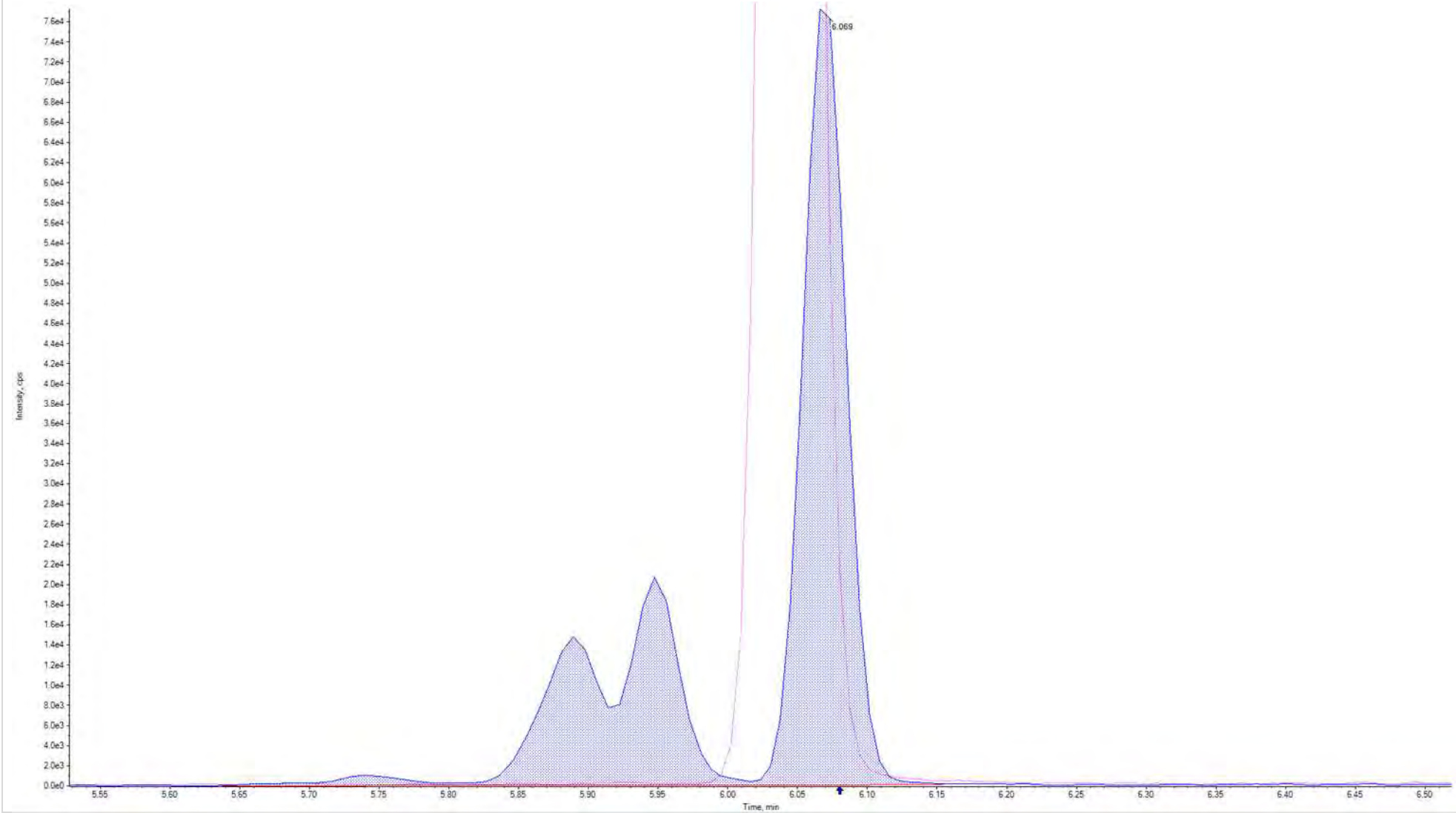
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_19.wiff2_4
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

NMeFOSE
Sample: WG2012727-2R S/N:227.6 Points Across peak:57



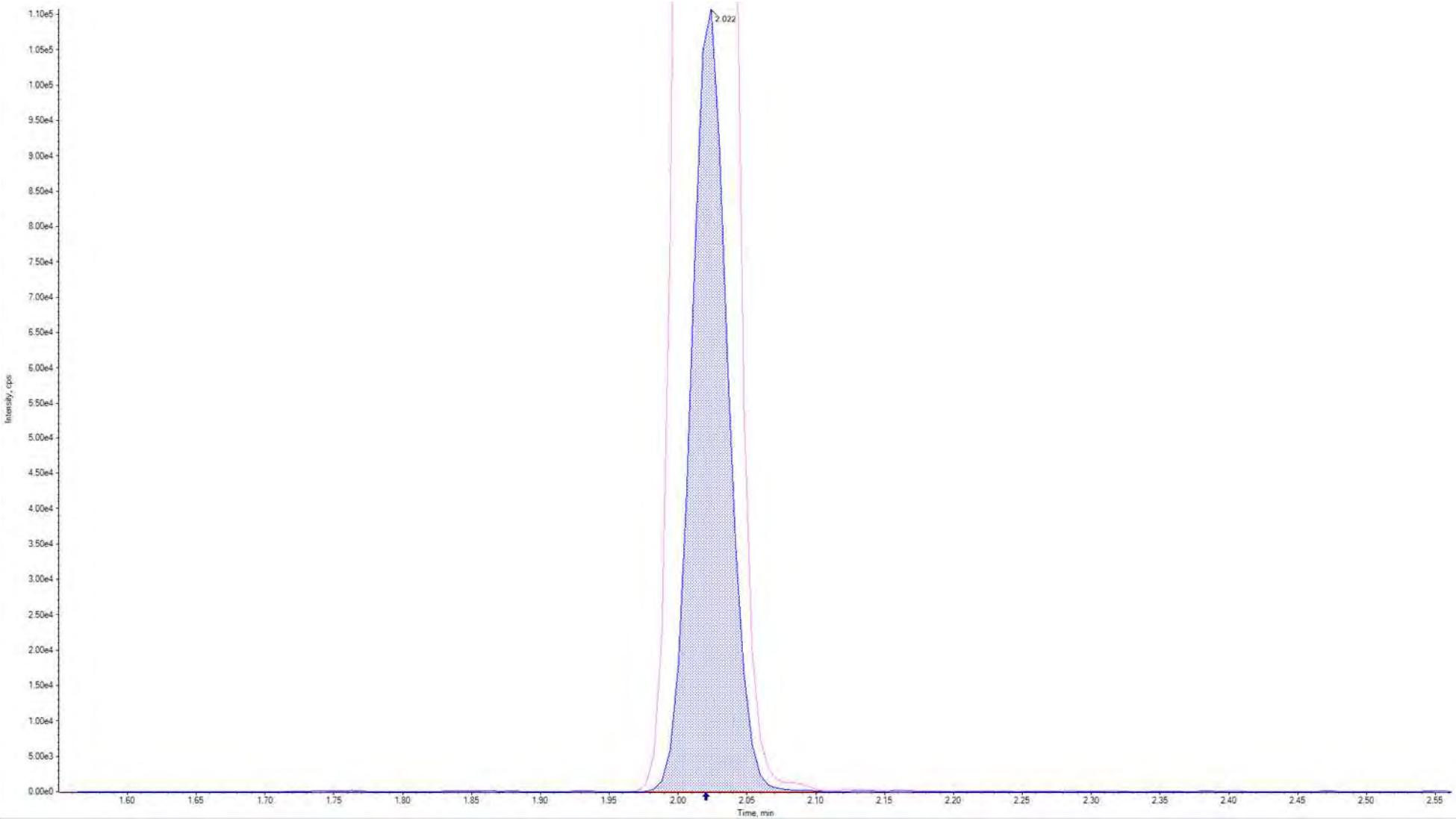
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_19.wiff2_4
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

NEtFOSE
Sample: WG2012727-2R S/N:282.3 Points Across peak:65



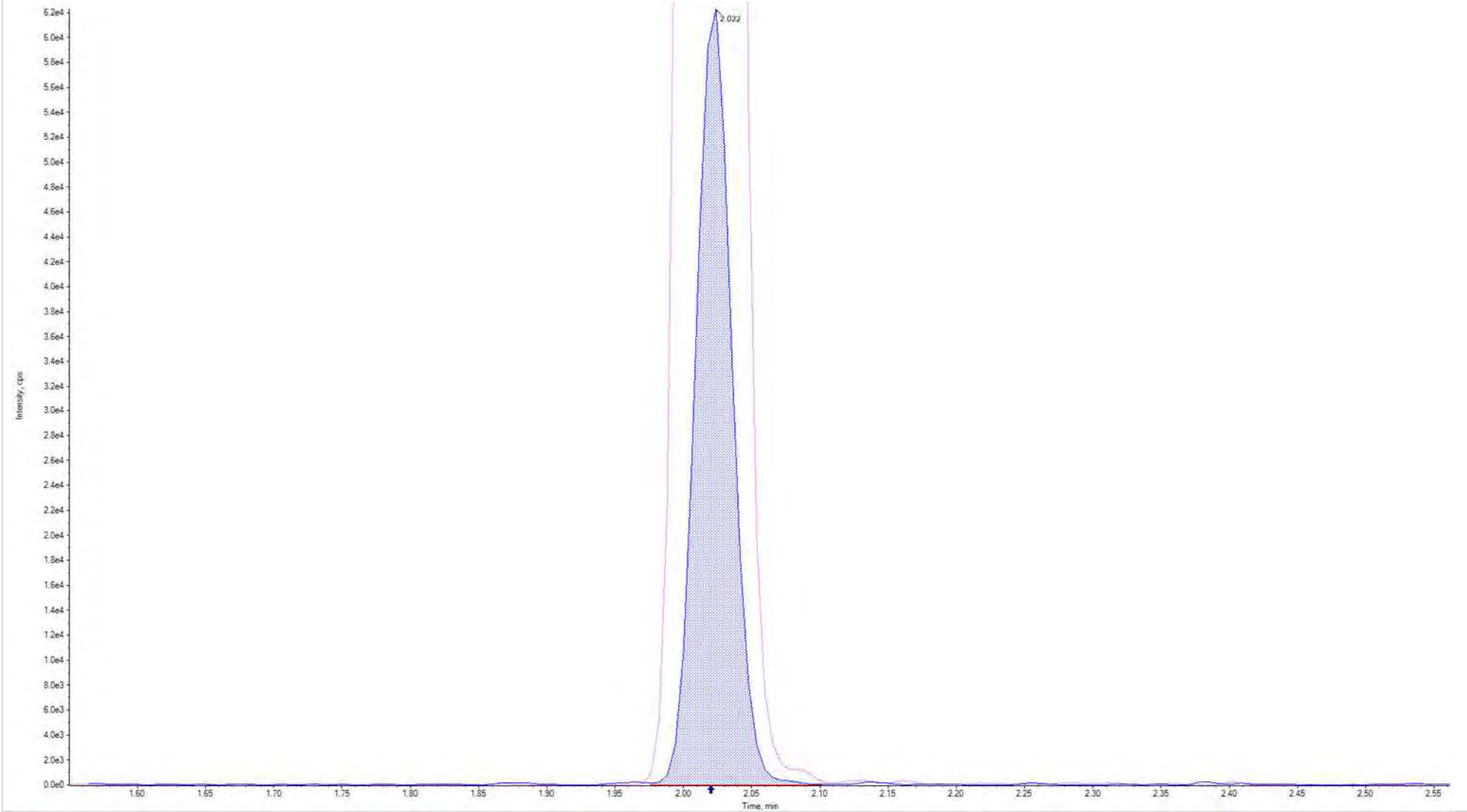
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_19.wiff2_4
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

HFPO-DA
Sample: WG2012727-2R S/N:2498.3 Points Across peak:26



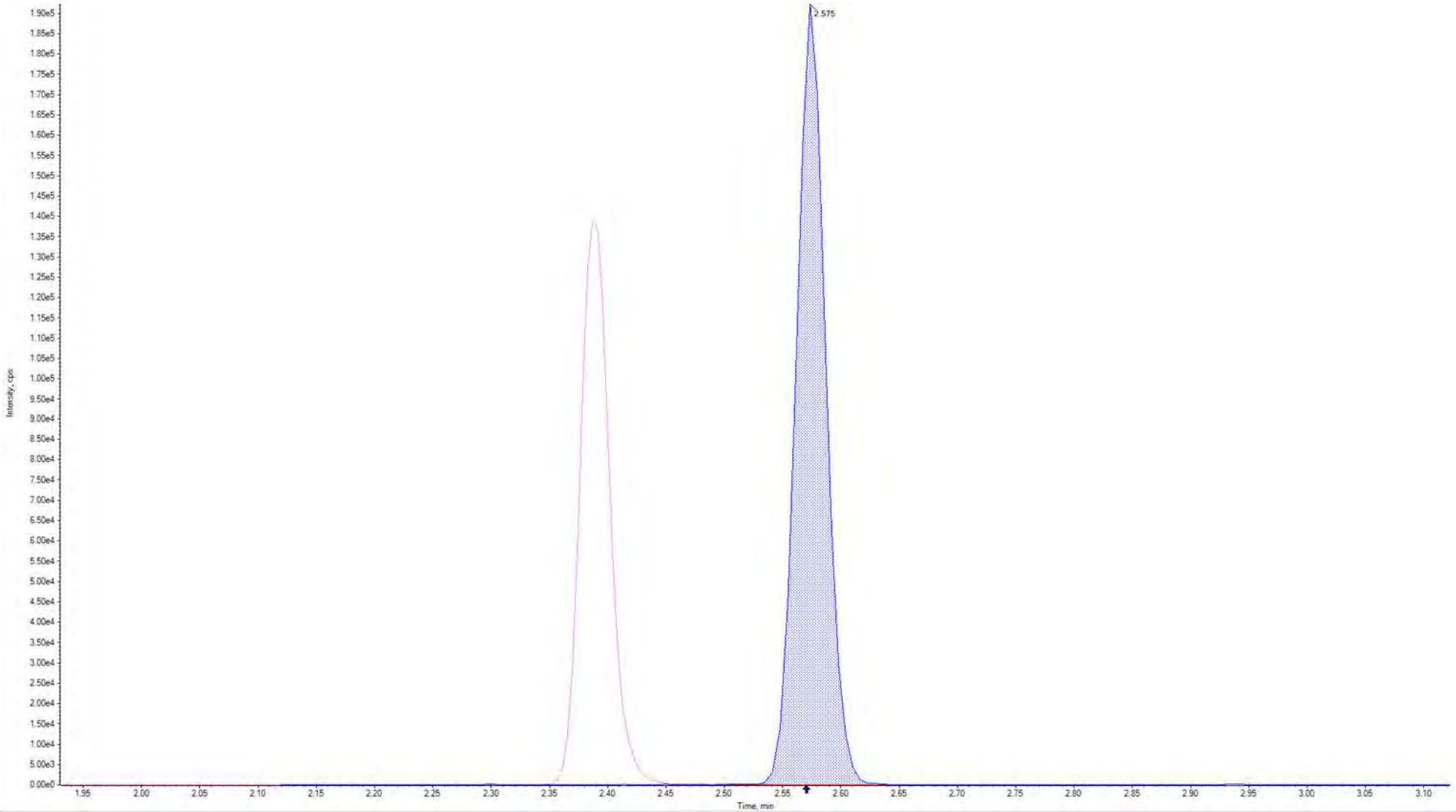
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_19.wiff2_4
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

HFPO-DA_2
Sample: WG2012727-2R S/N:1404.8 Points Across peak:22



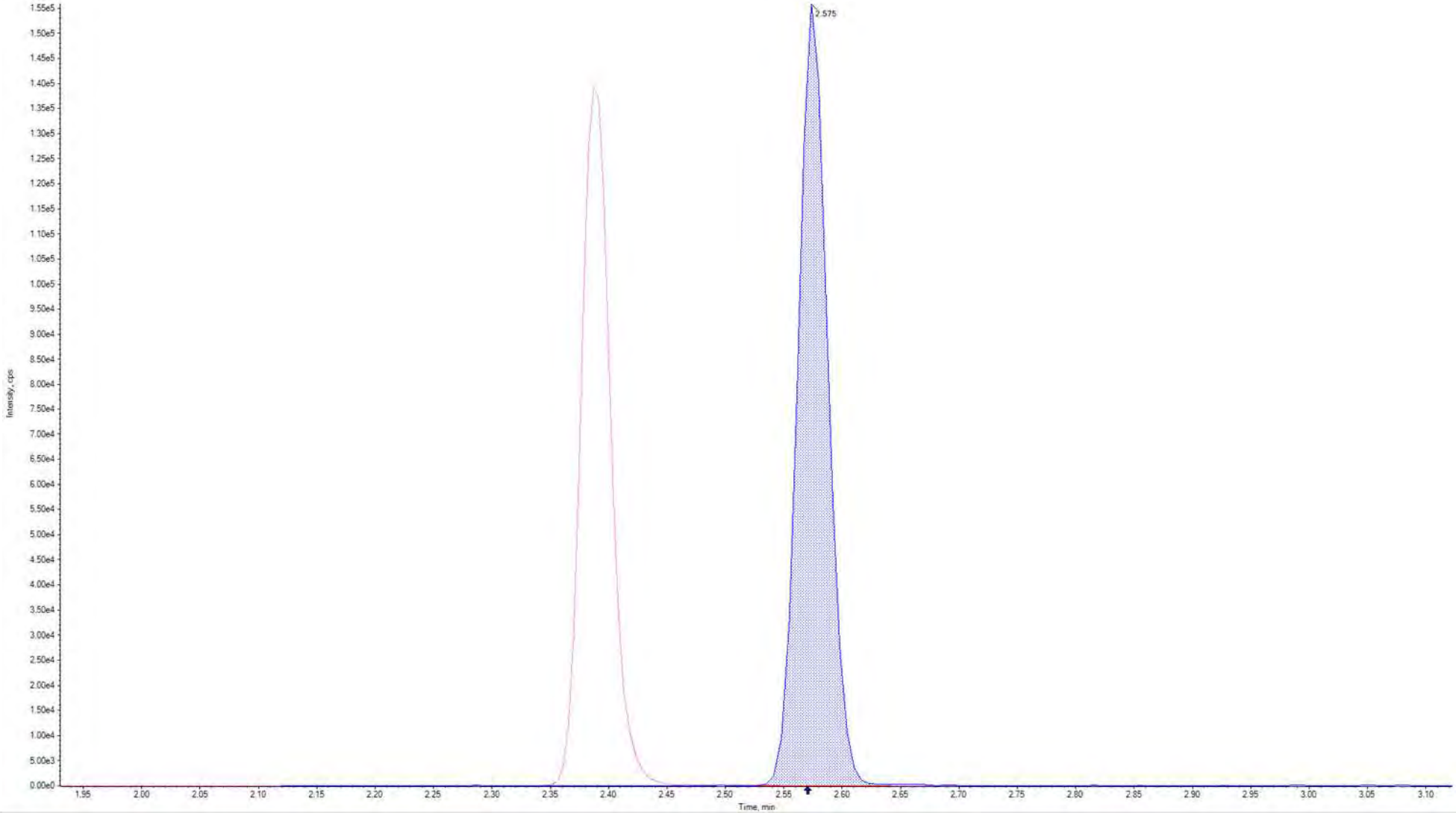
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_19.wiff2_4
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

ADONA
Sample: WG2012727-2R S/N:3856.3 Points Across peak:30



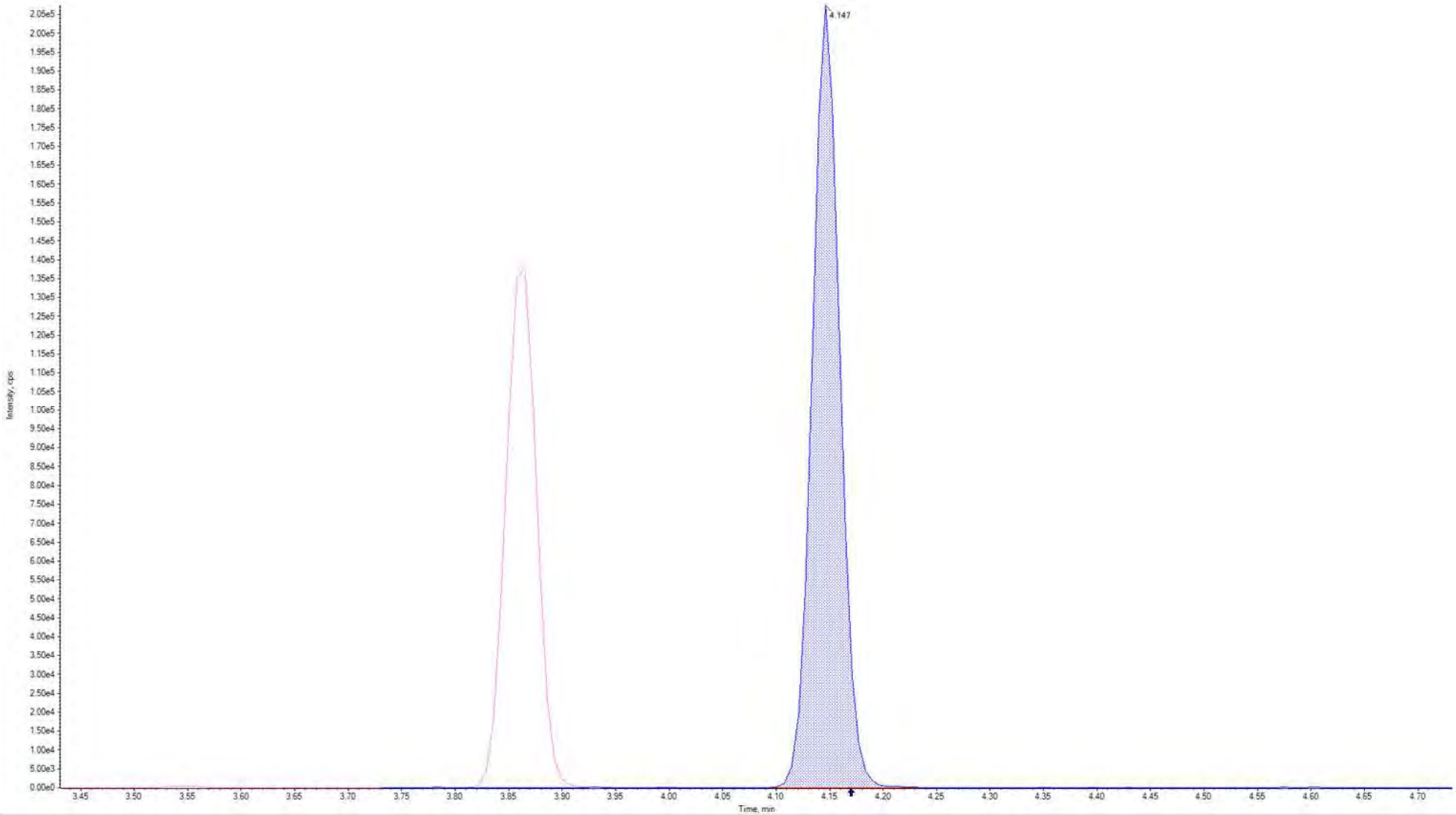
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_19.wiff2_4
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

ADONA_2
Sample: WG2012727-2R S/N:3125.1 Points Across peak:20



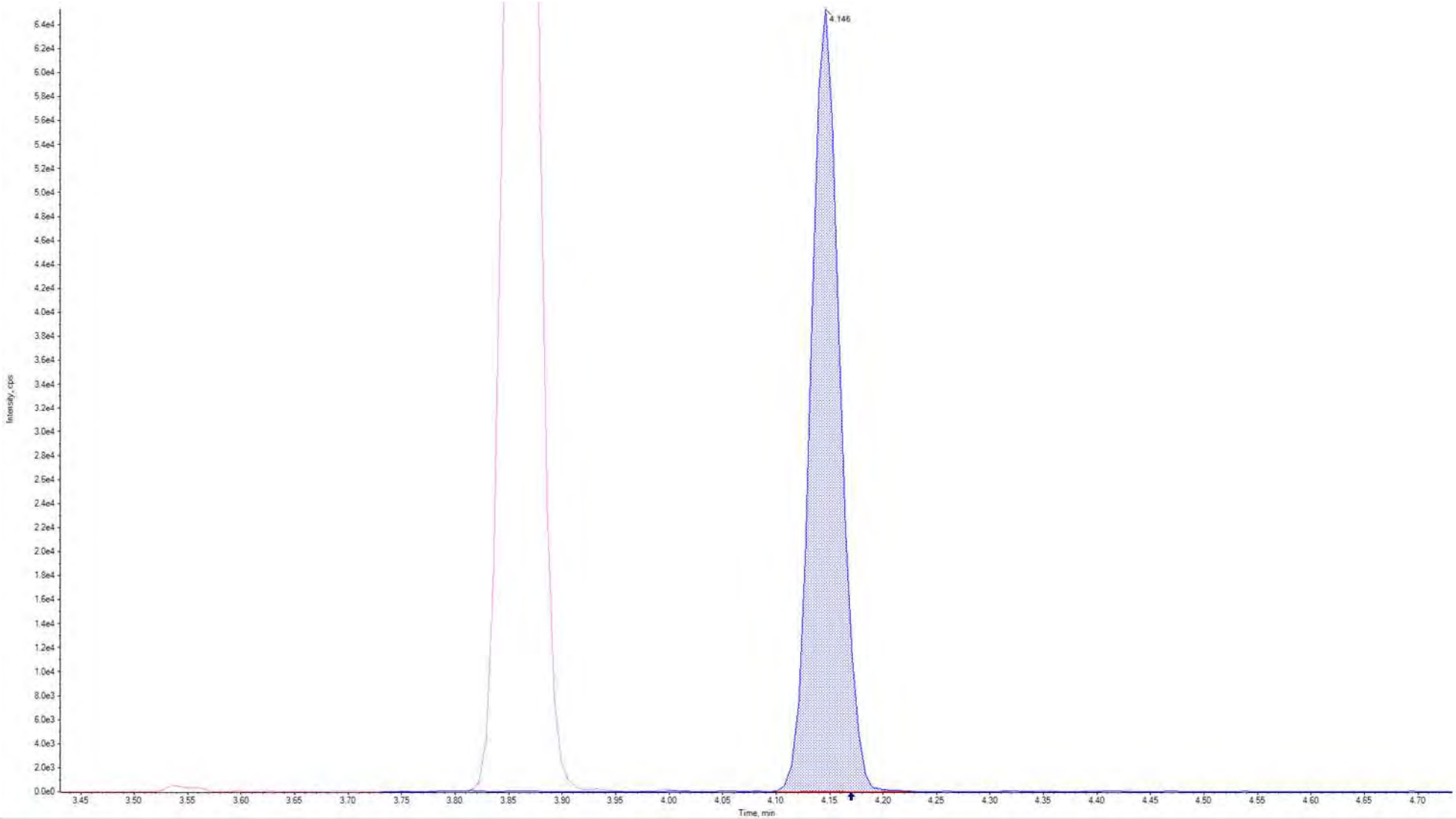
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_19.wiff2_4
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

9Cl-PF3ONS
Sample: WG2012727-2R S/N:4678.5 Points Across peak:33



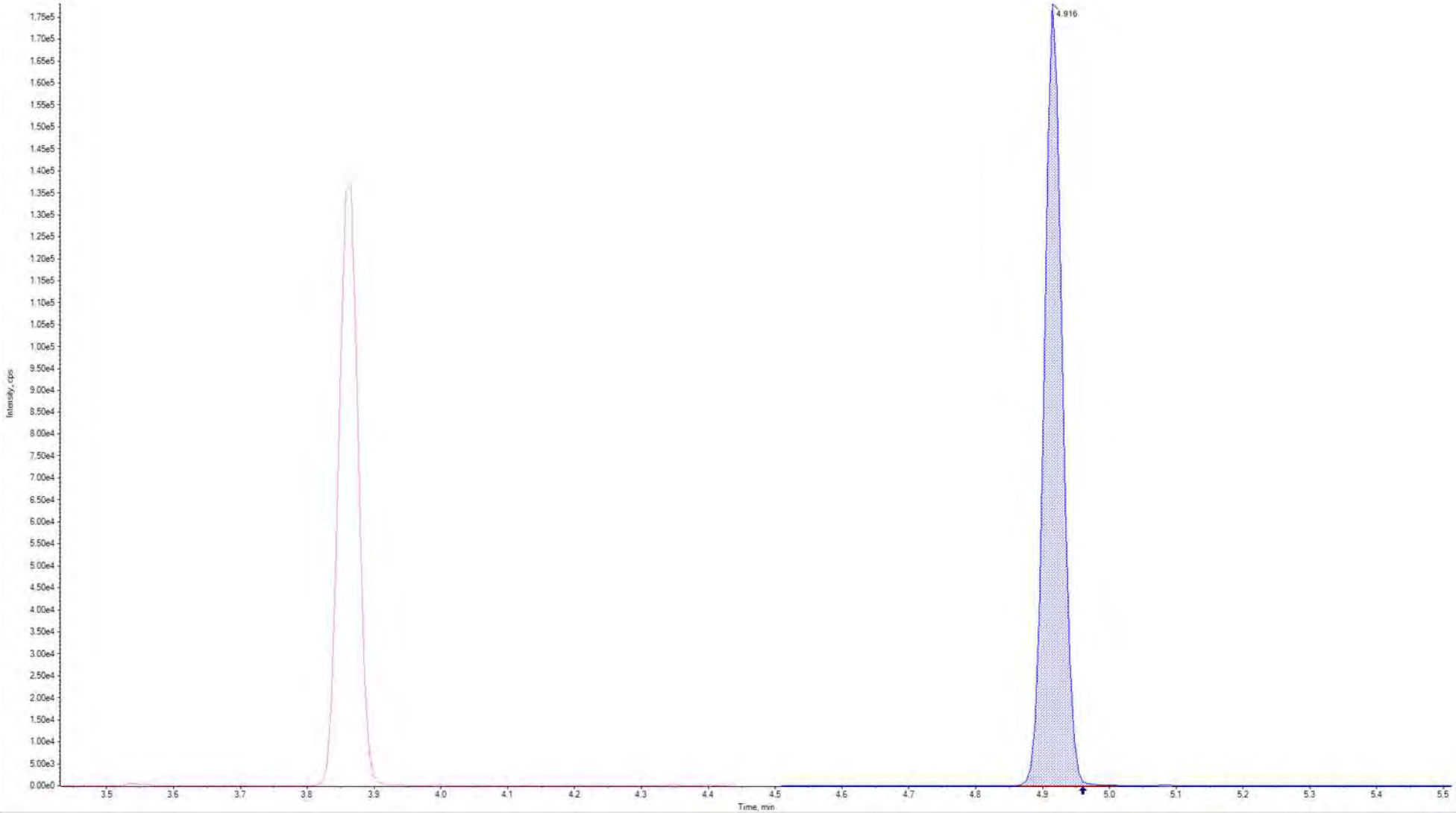
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_19.wiff2_4
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

9Cl-PF3ONS_2
Sample: WG2012727-2R S/N:1473.0 Points Across peak:24



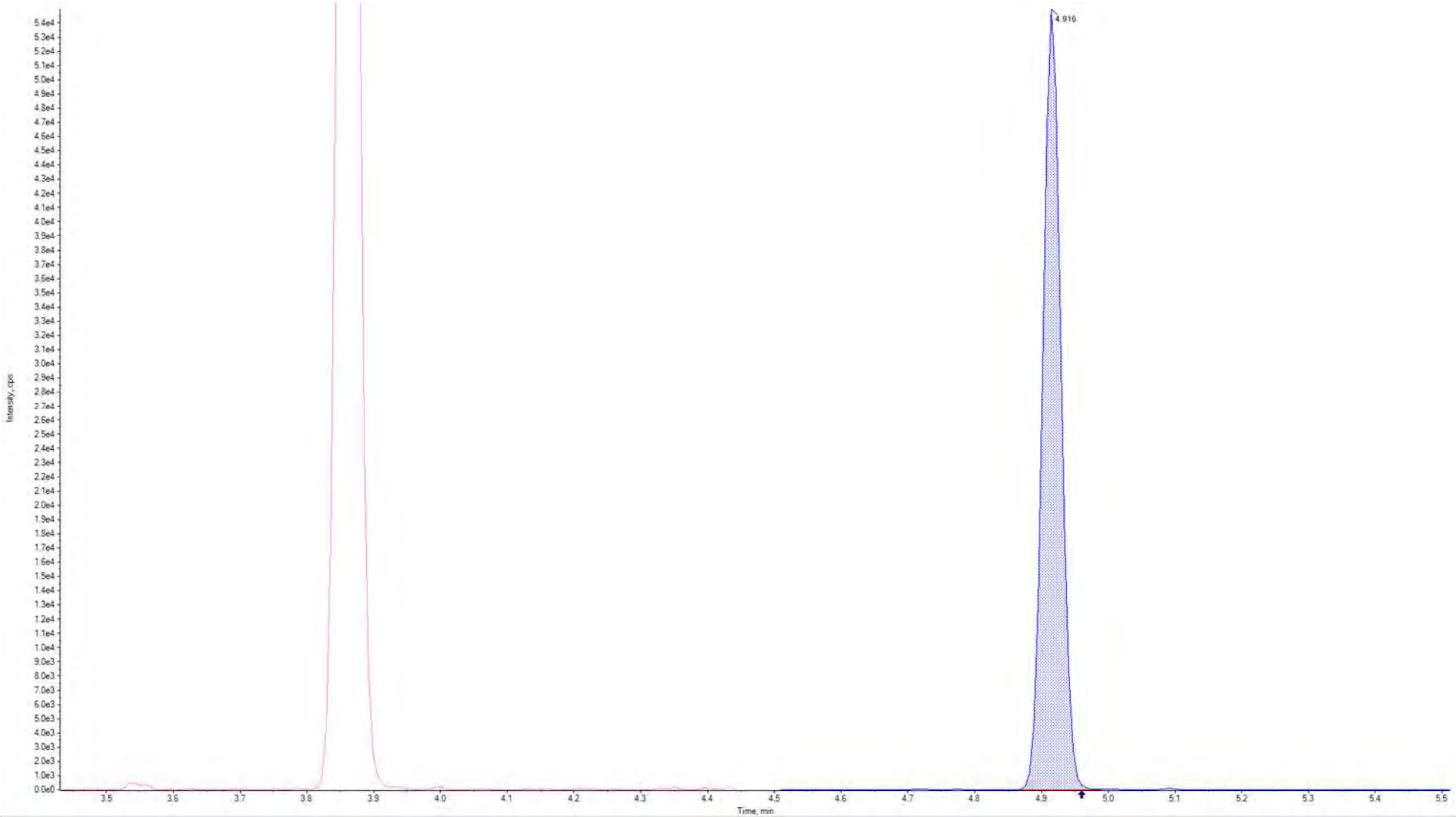
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_19.wiff2_4
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

11Cl-PF3OUdS
Sample: WG2012727-2R S/N:5544.1 Points Across peak:31



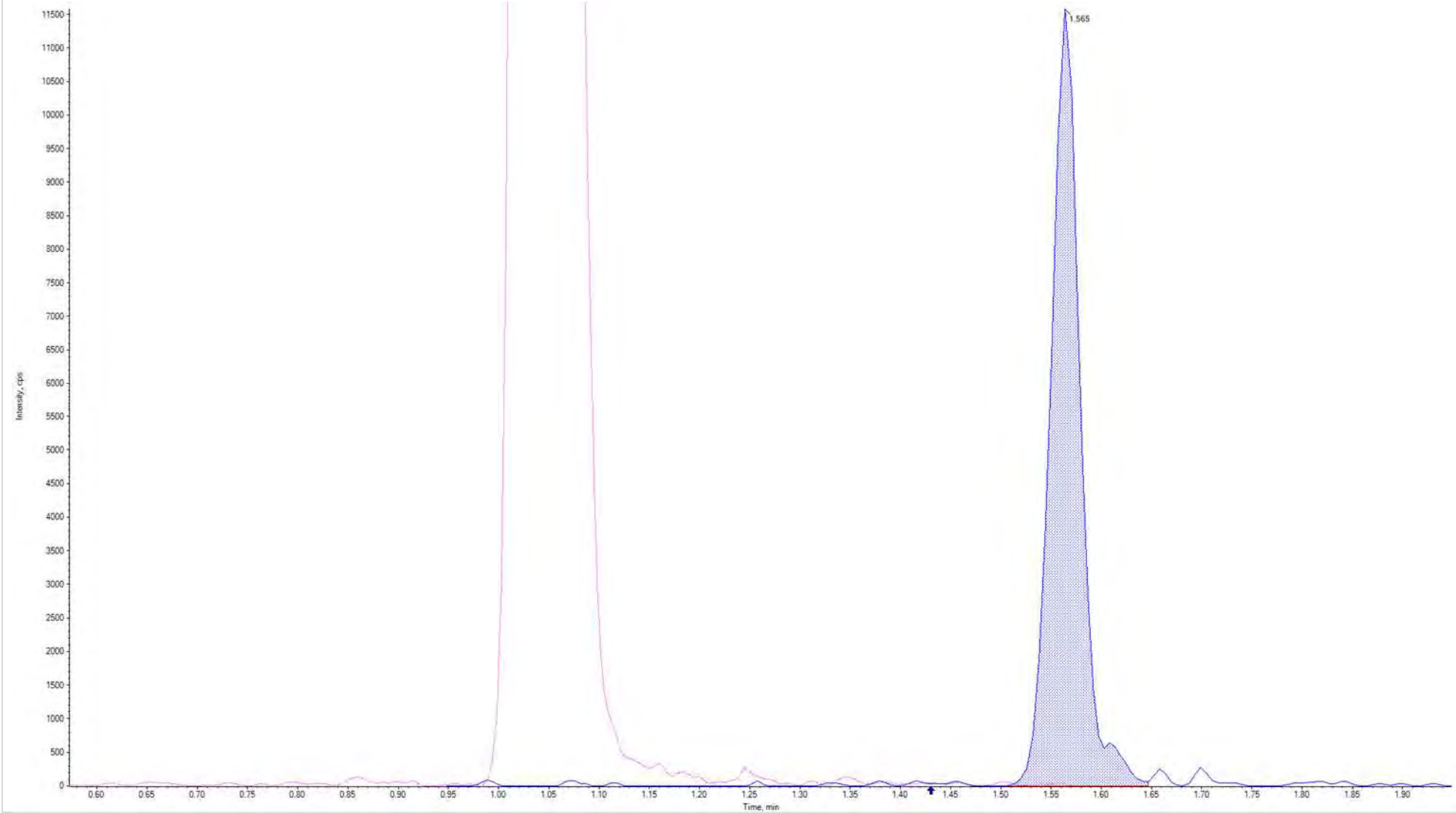
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_19.wiff2_4
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

11Cl-PF3OUdS_2
Sample: WG2012727-2R S/N:2618.0 Points Across peak:21



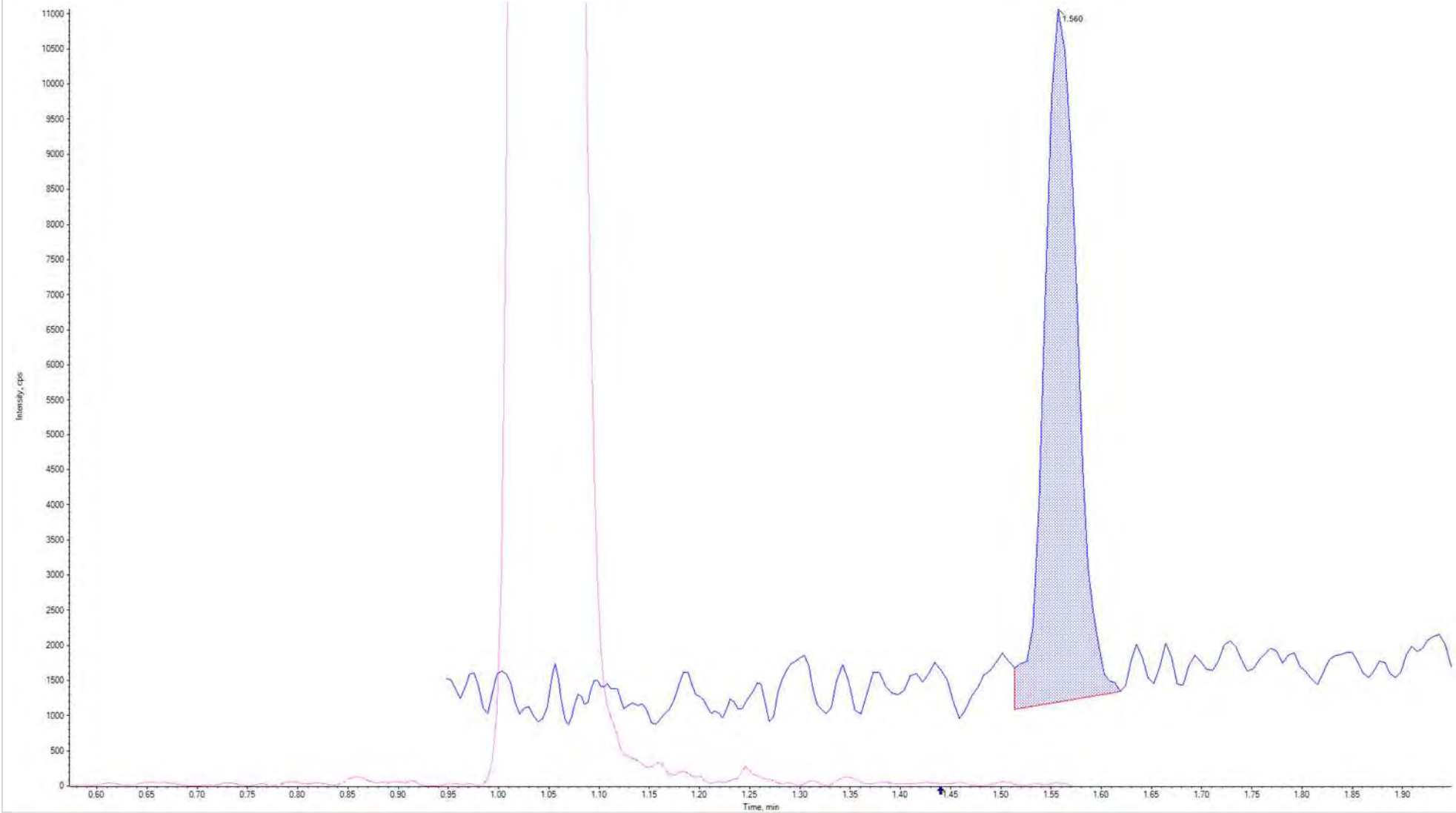
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_19.wiff2_4
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

3:3FTCA
Sample: WG2012727-2R S/N:290.2 Points Across peak:27



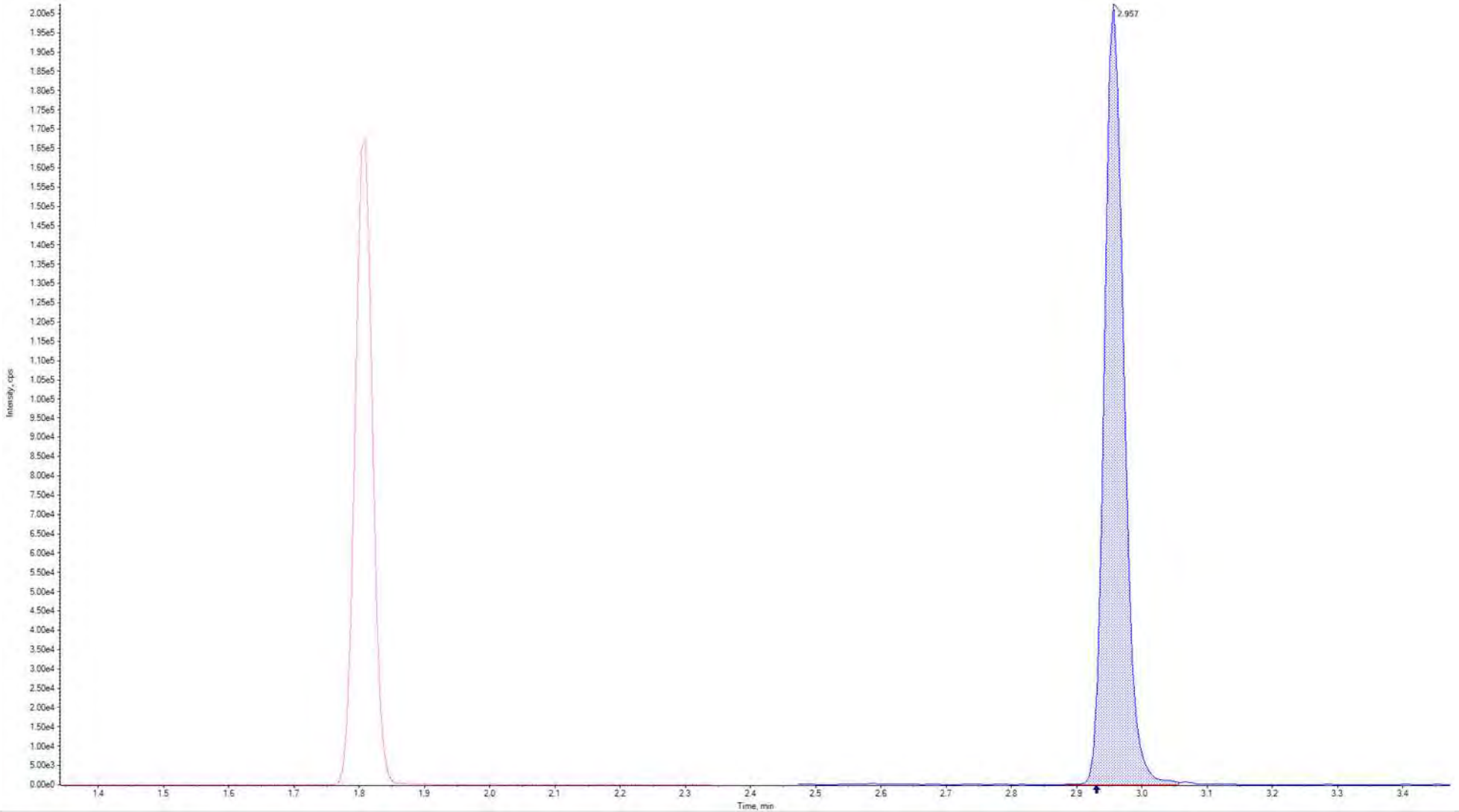
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_19.wiff2_4
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

3:3FTCA_2
Sample: WG2012727-2R S/N:89.4 Points Across peak:19



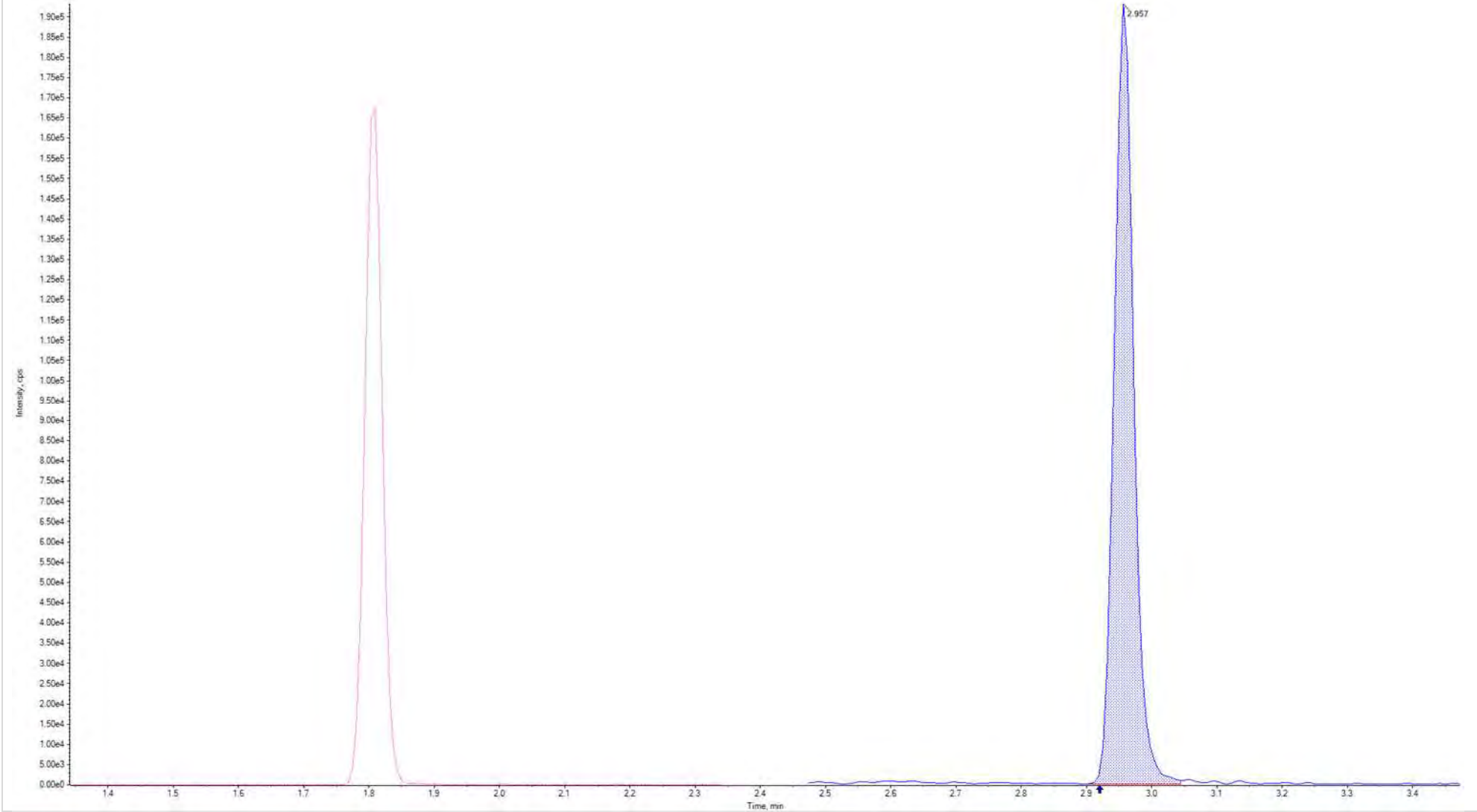
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_19.wiff2_4
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

5:3FTCA
Sample: WG2012727-2R S/N:4566.5 Points Across peak:32



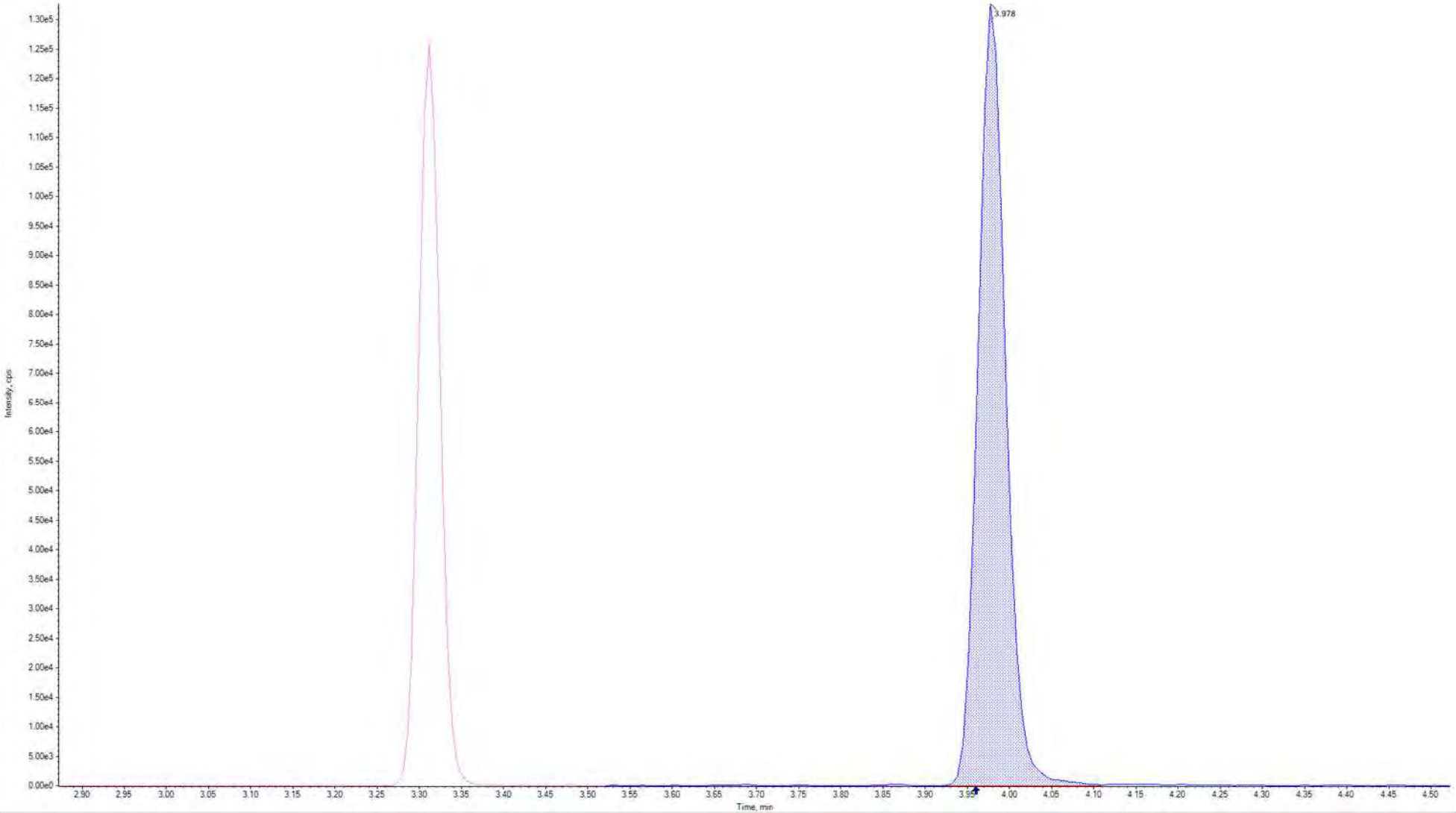
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_19.wiff2_4
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

5:3FTCA_2
Sample: WG2012727-2R S/N:2015.6 Points Across peak:26



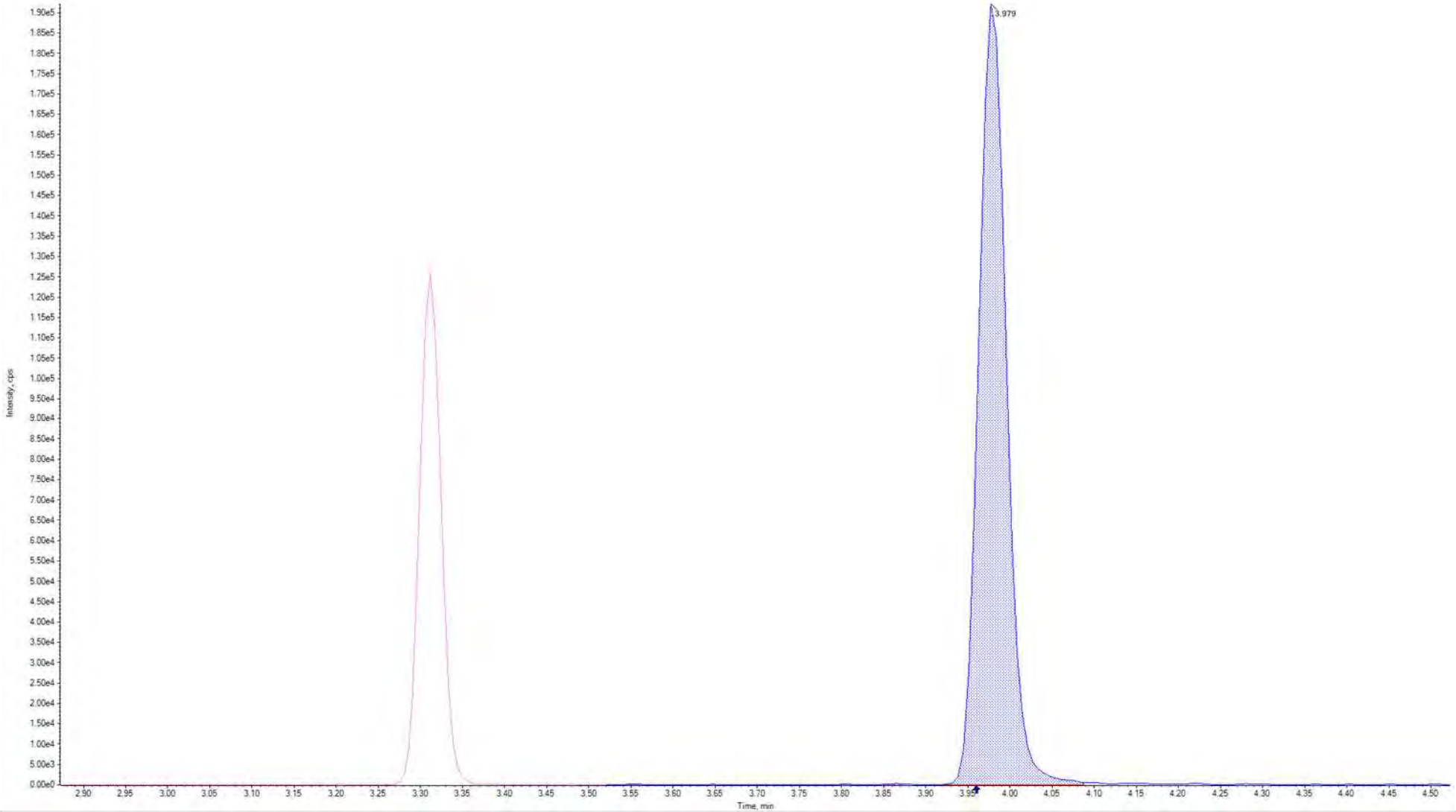
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_19.wiff2_4
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

7:3FTCA
Sample: WG2012727-2R S/N:3657.5 Points Across peak:32



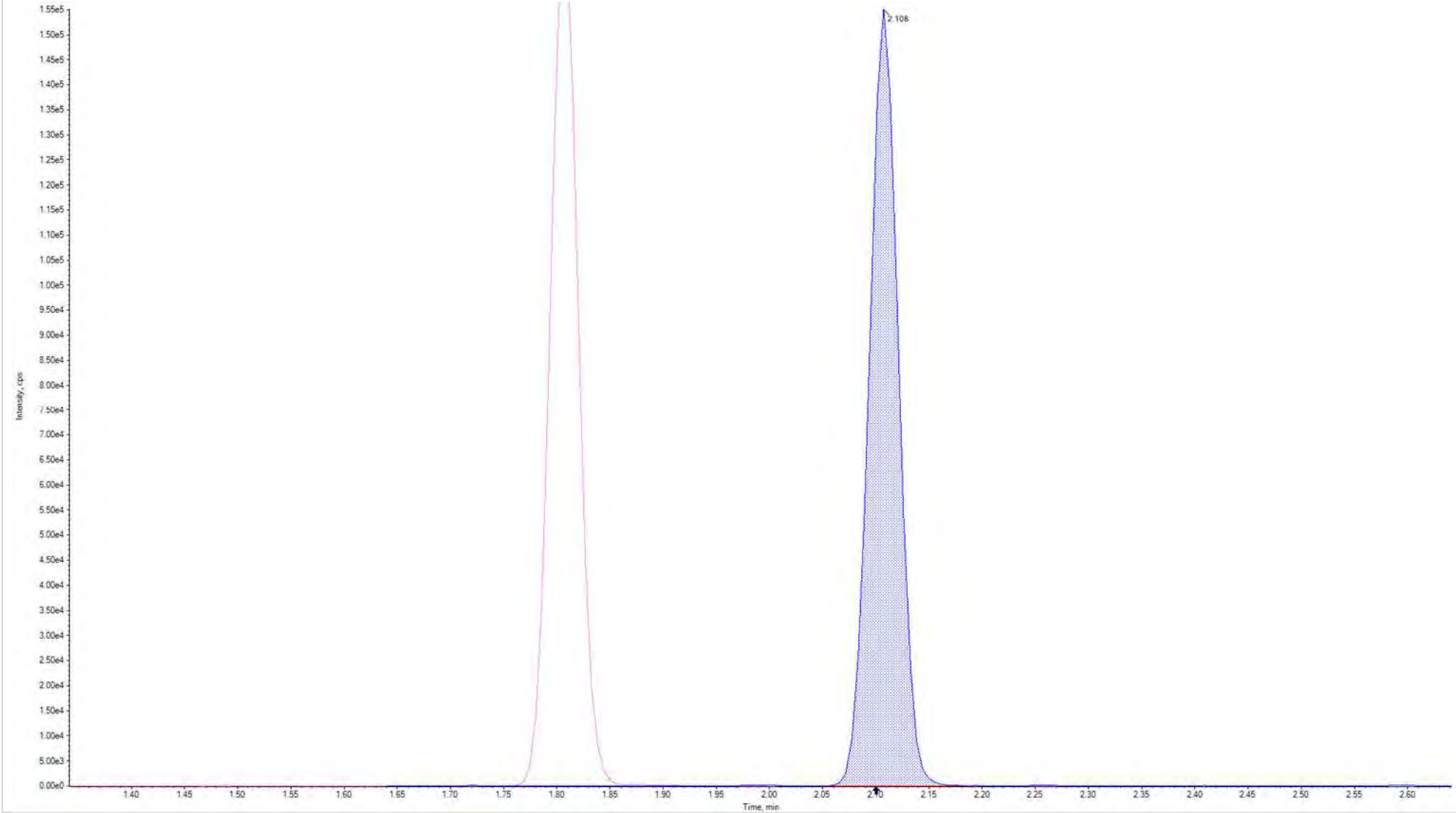
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_19.wiff2_4
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

7:3FTCA_2
Sample: WG2012727-2R S/N:5297.8 Points Across peak:31



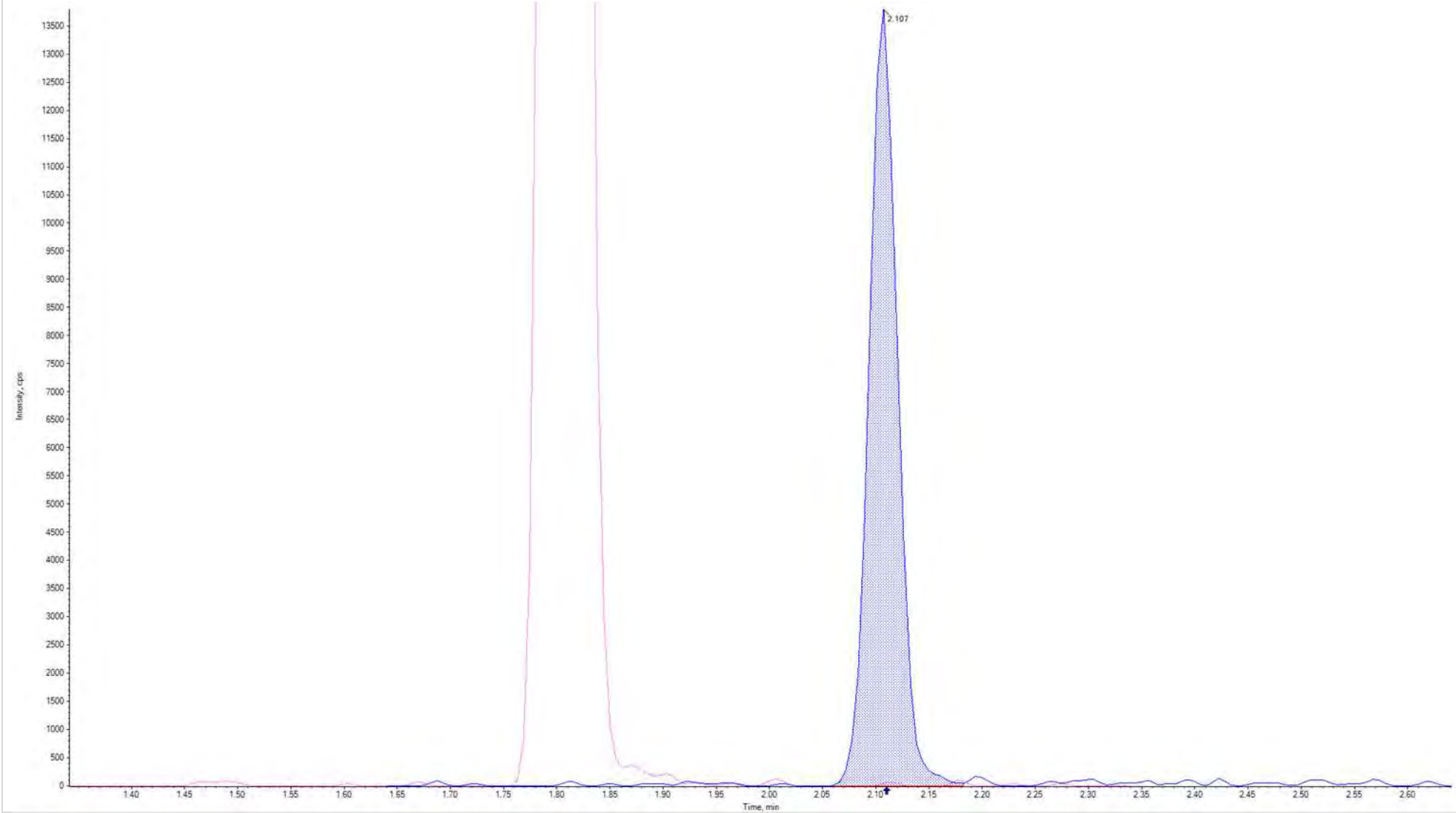
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_19.wiff2_4
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFEESA
Sample: WG2012727-2R S/N:3499.4 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241224\SCI09_241224_19.wiff2_4
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFEESA_2
Sample: WG2012727-2R S/N:311.3 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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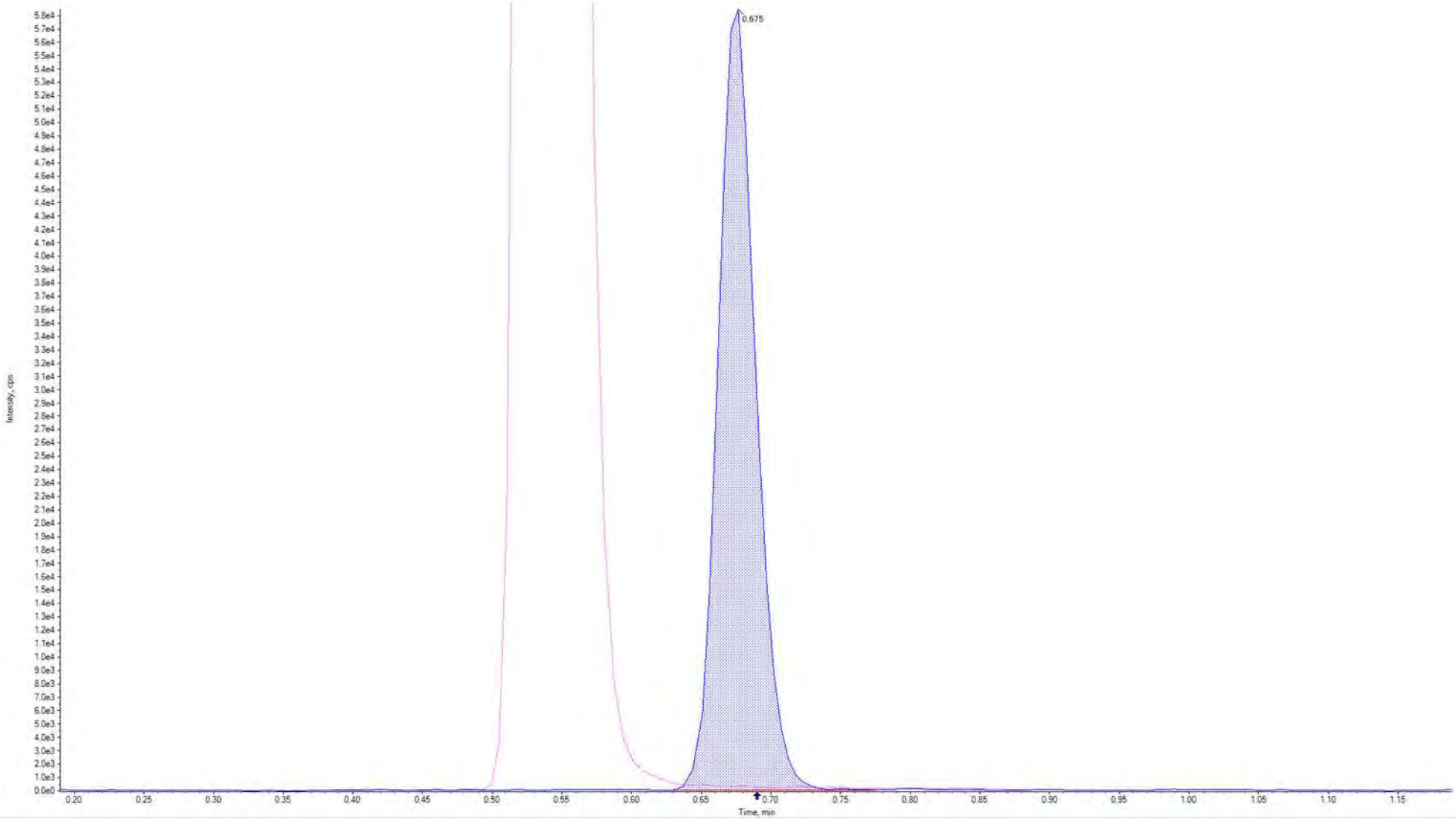
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFMPA
Sample: WG2012727-2R S/N:5193.2 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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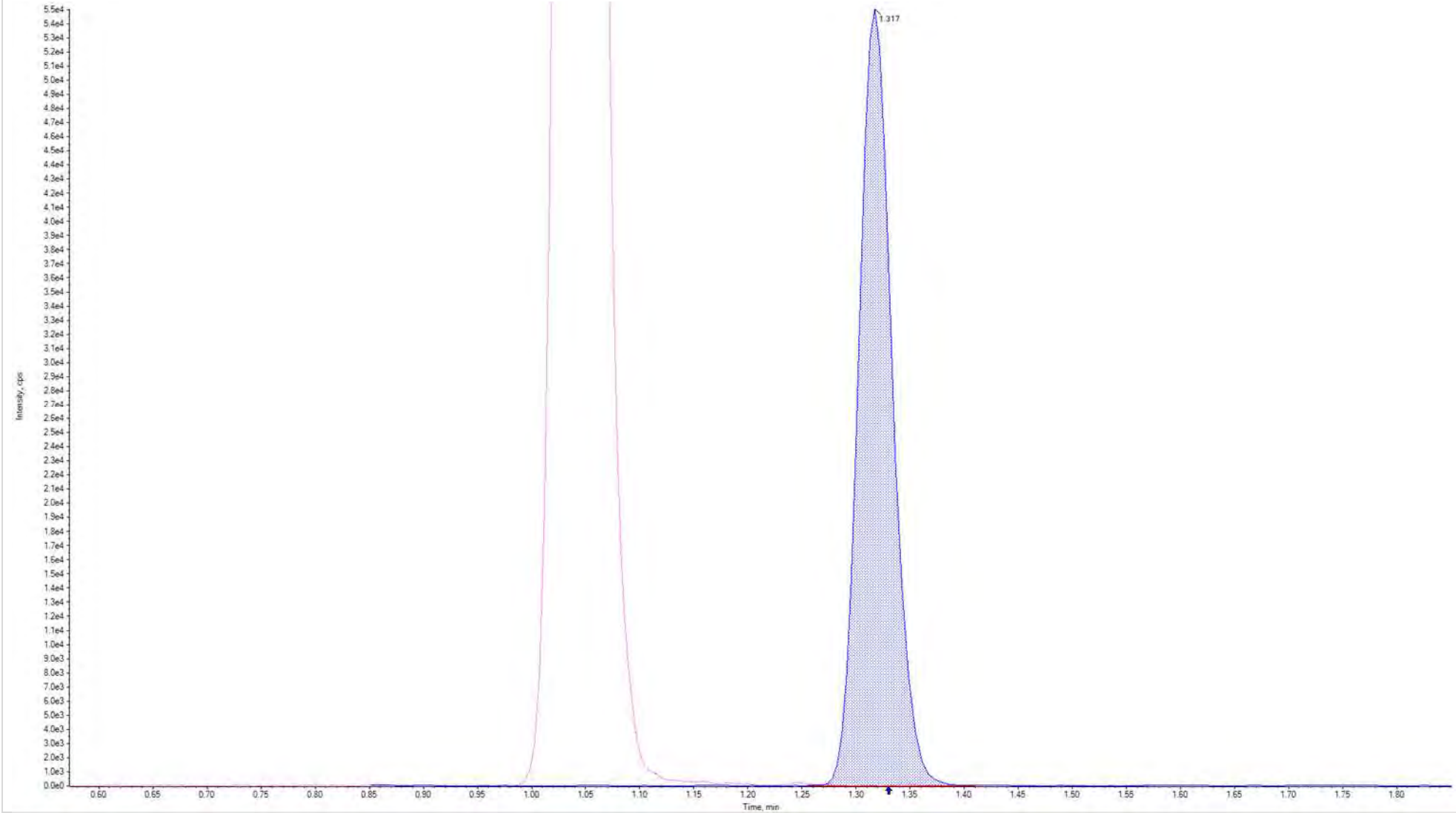
Last Altered: 12/24/2024 12:27:37 PM
Generated: 12/24/2024 10:11:25 AM

PFMBA
Sample: WG2012727-2R S/N:3172.2 Points Across peak:33



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/24/2024 12:27:37 PM
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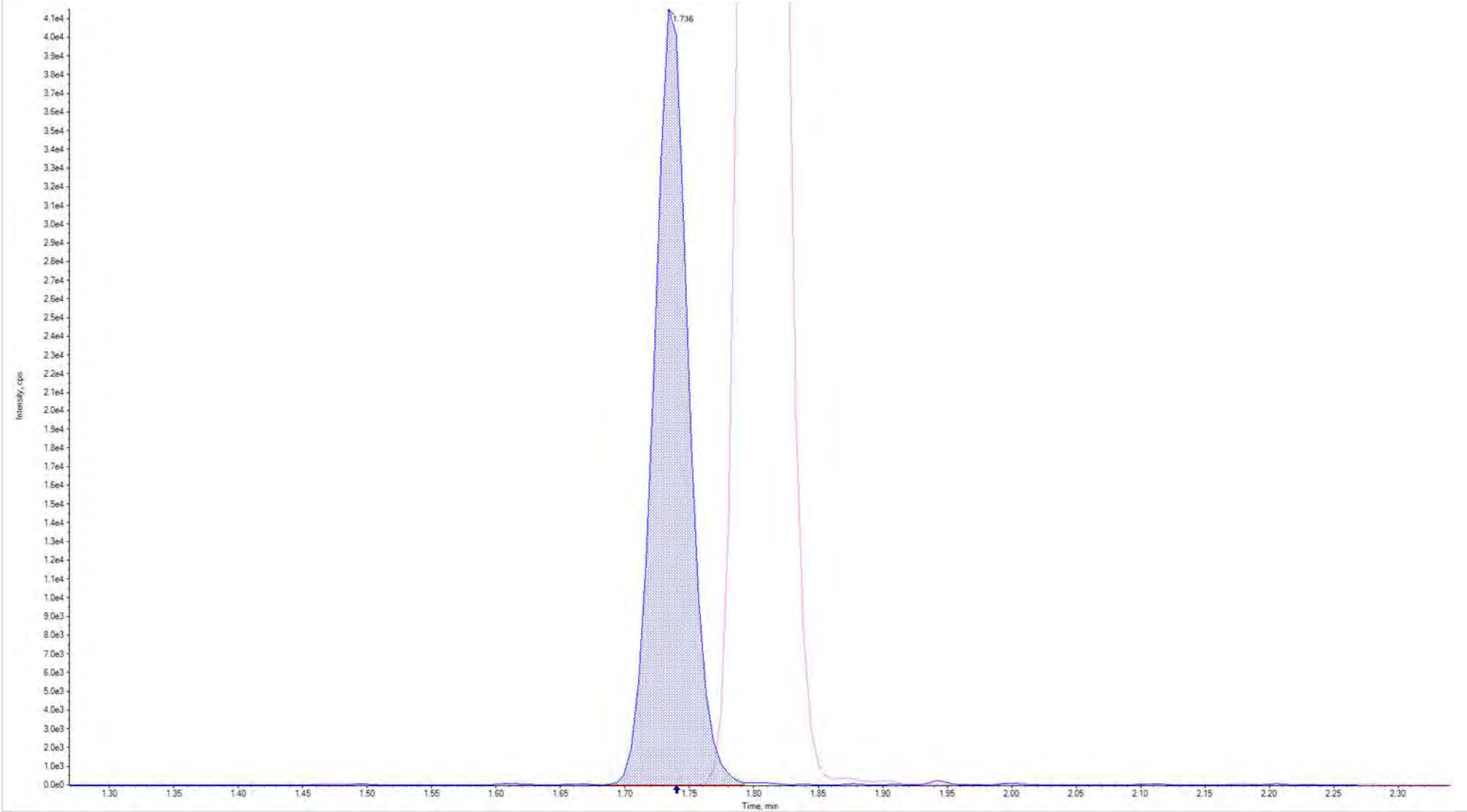
NFDHA
Sample: WG2012727-2R S/N:1144.4 Points Across peak:21



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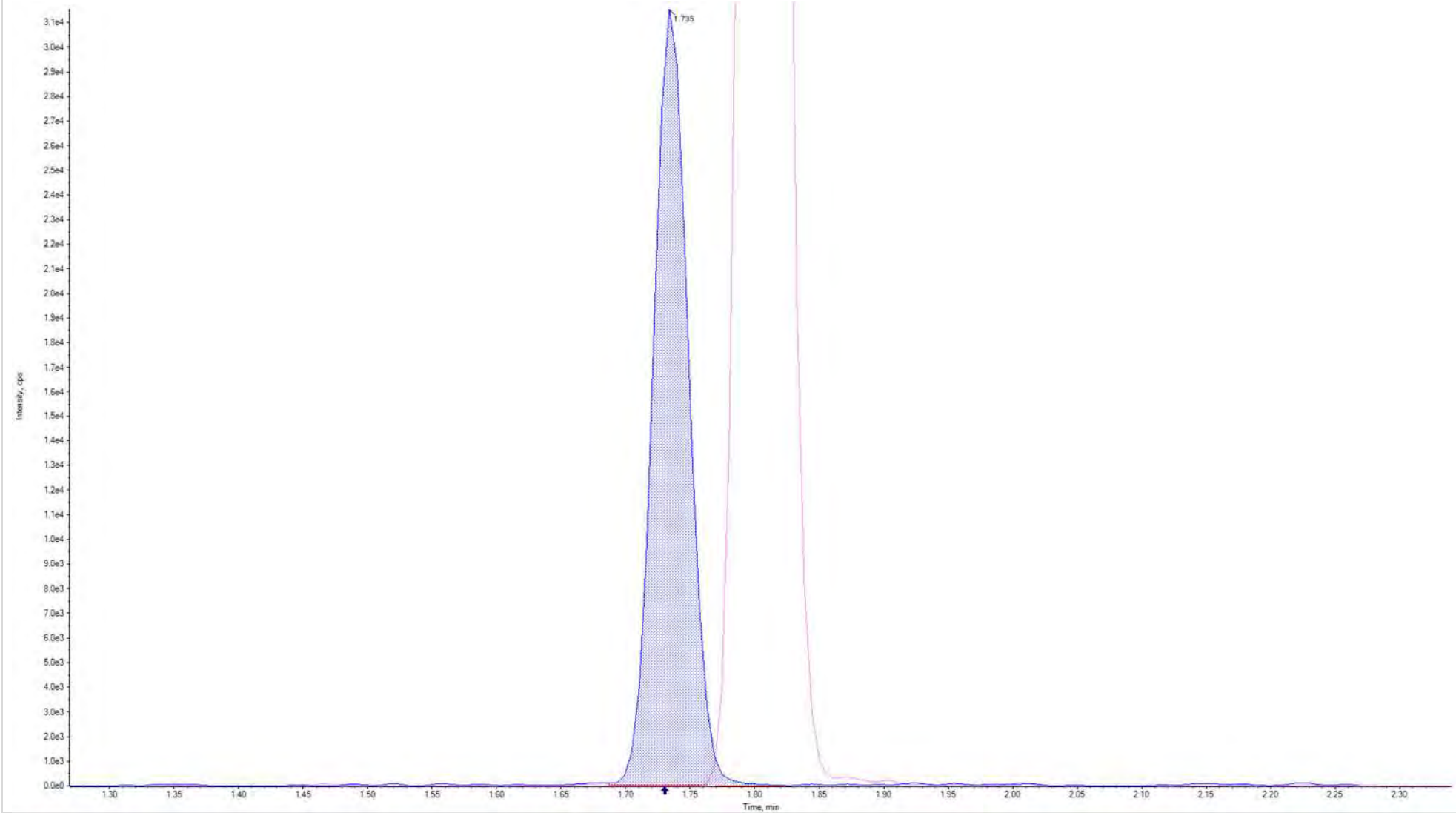
NFDHA_2
Sample: WG2012727-2R S/N:869.4 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/24/2024 12:27:37 PM
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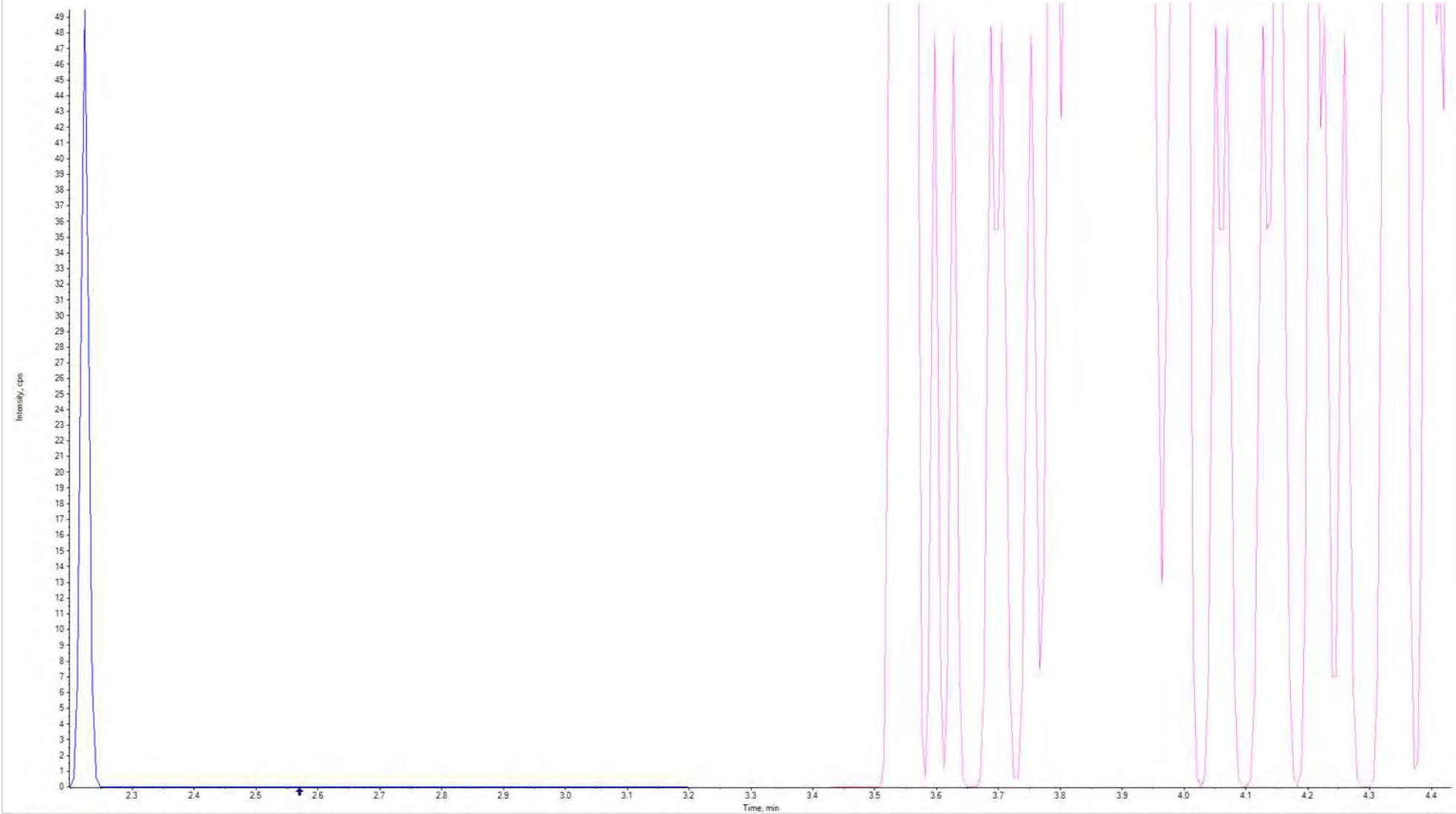
TDCA
Sample: WG2012727-2R S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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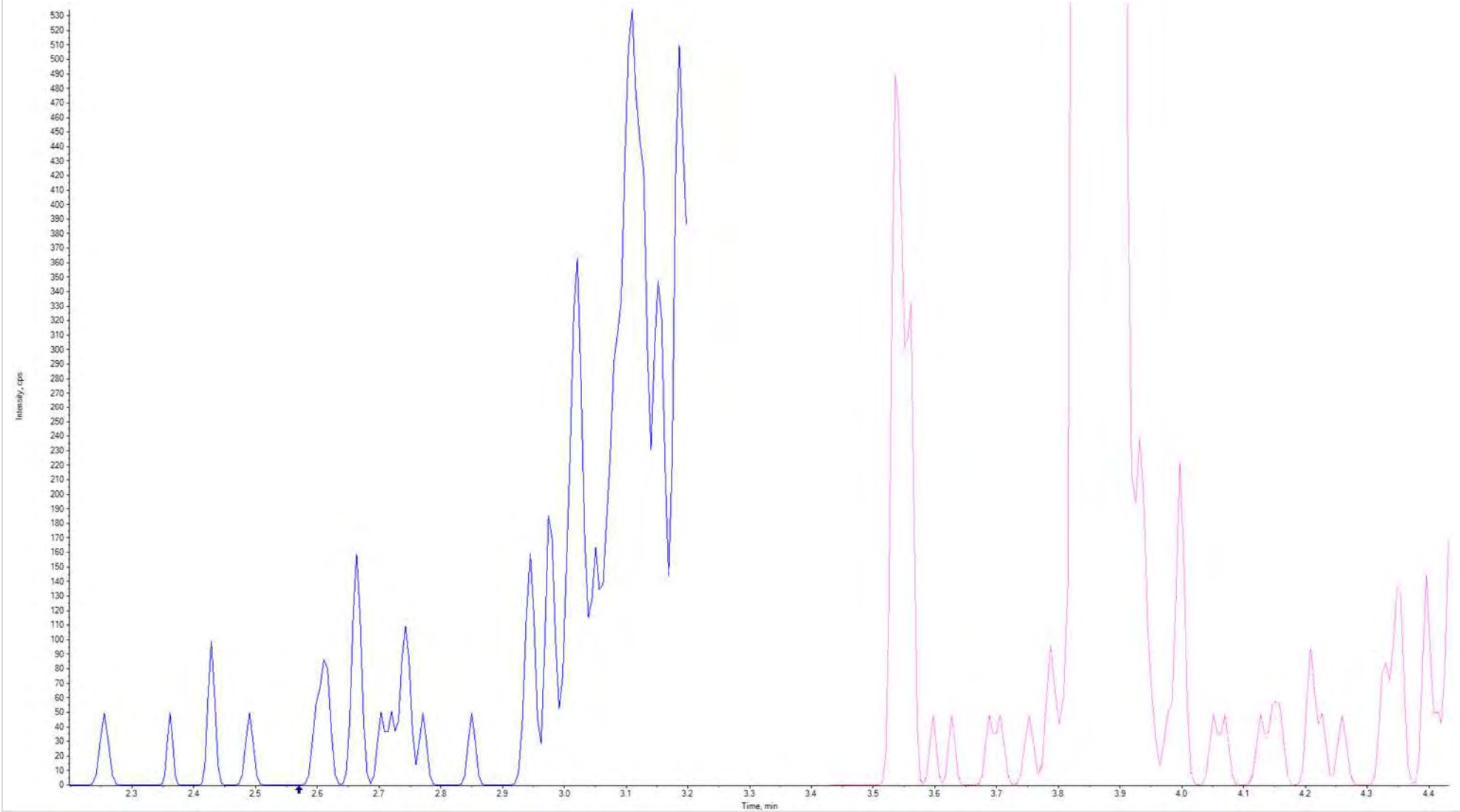
TDCA_2
Sample: WG2012727-2R S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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Last Altered: 12/24/2024 12:27:37 PM
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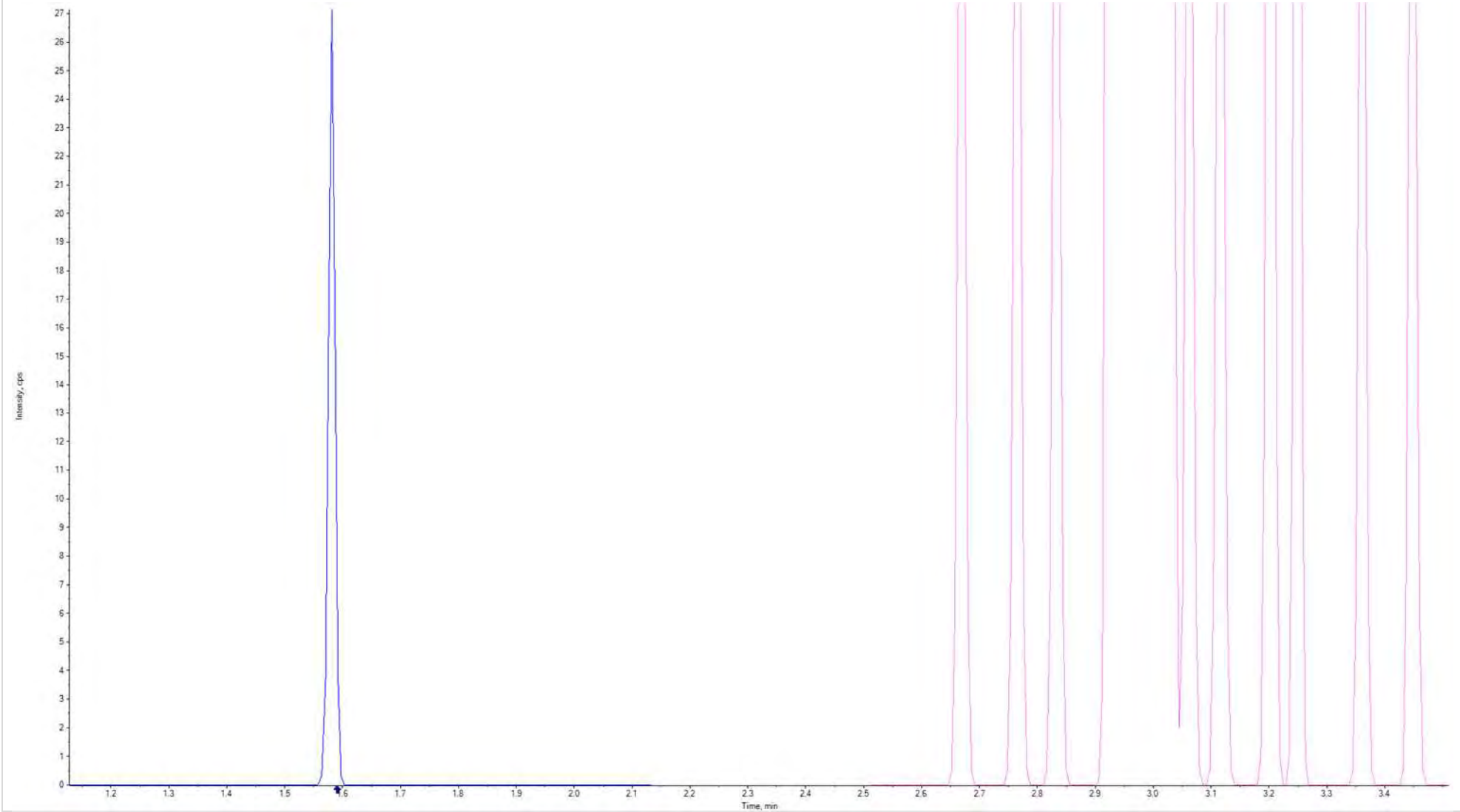
13C2D4-4:2FTS
Sample: WG2012727-2R S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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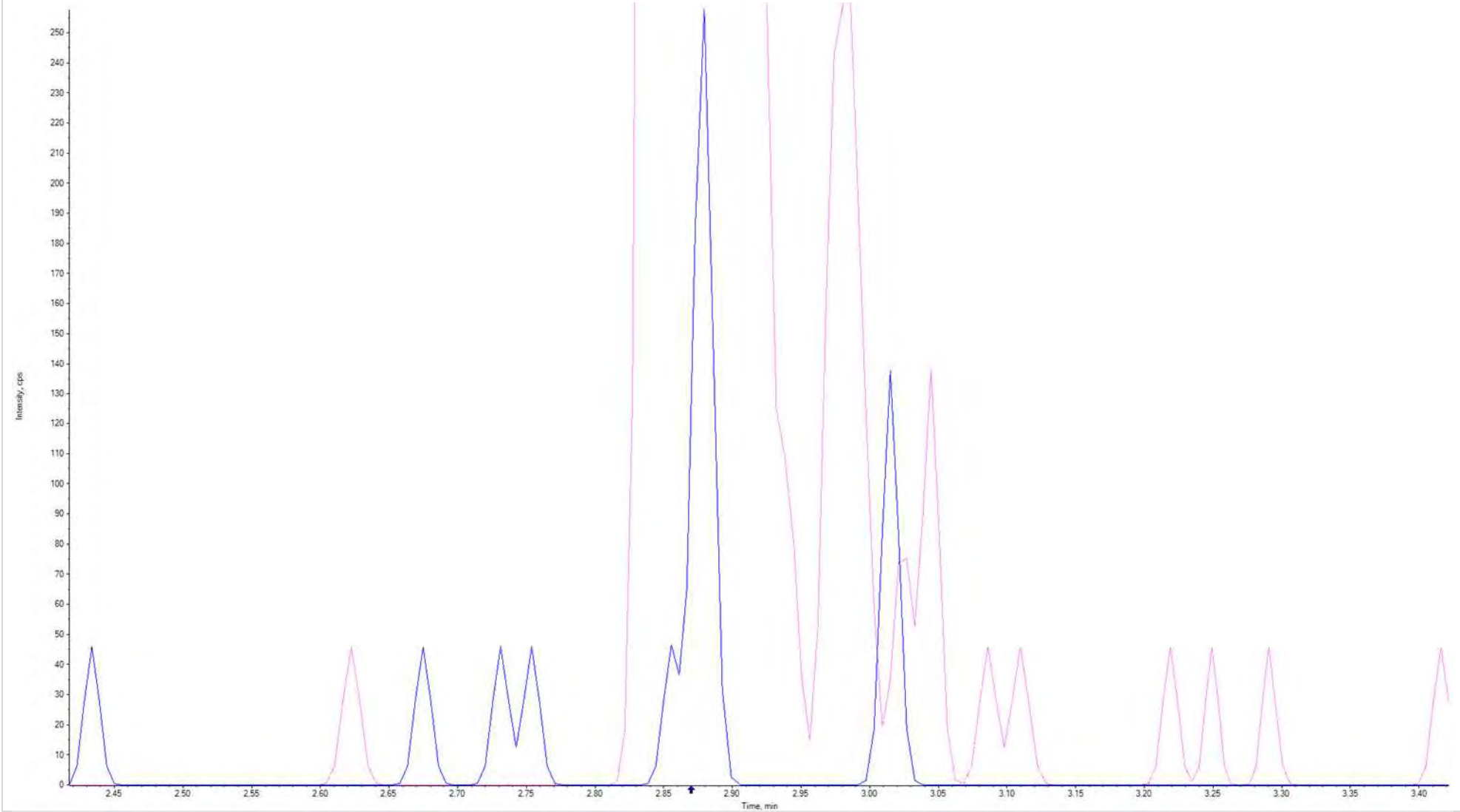
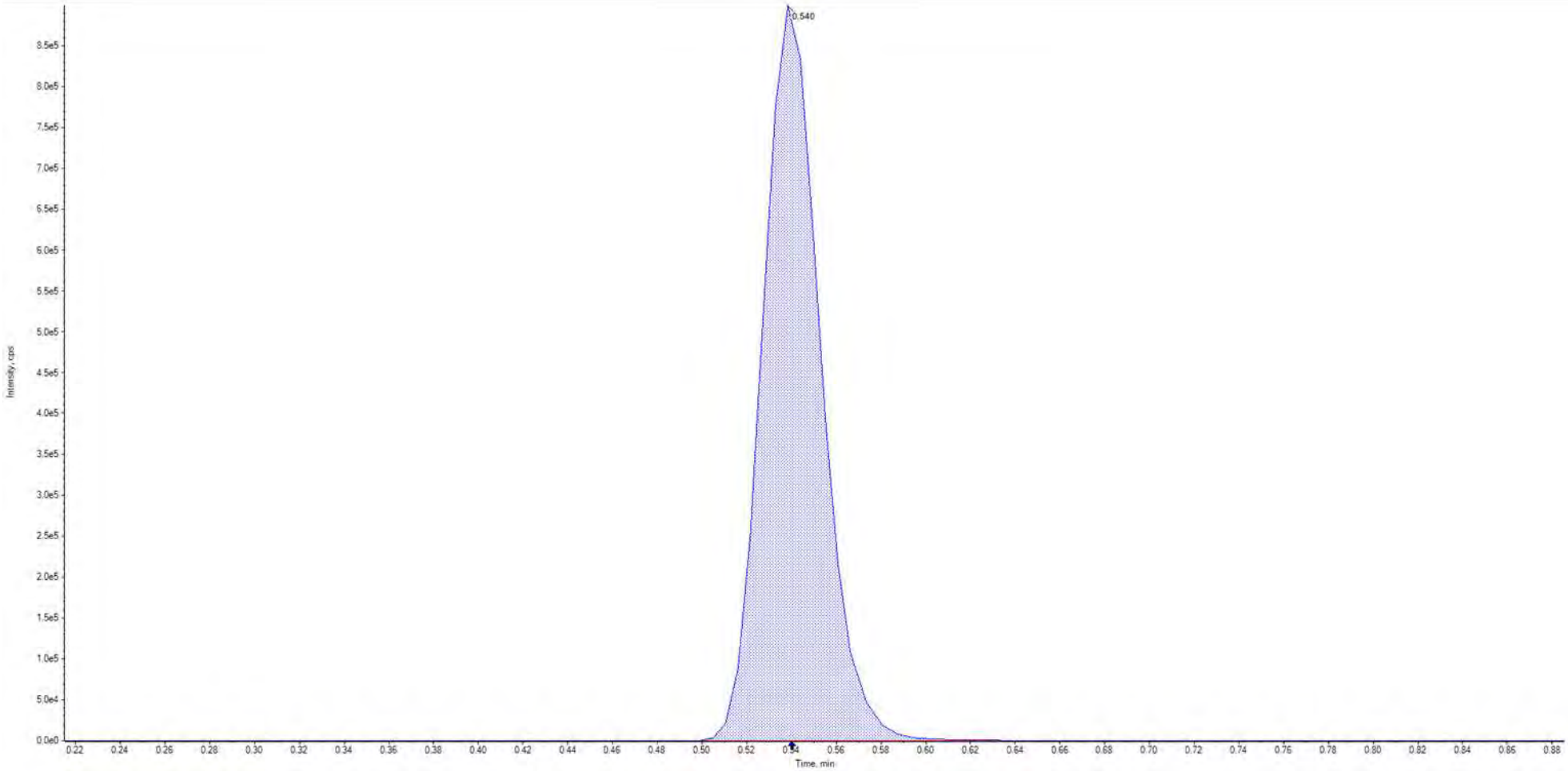
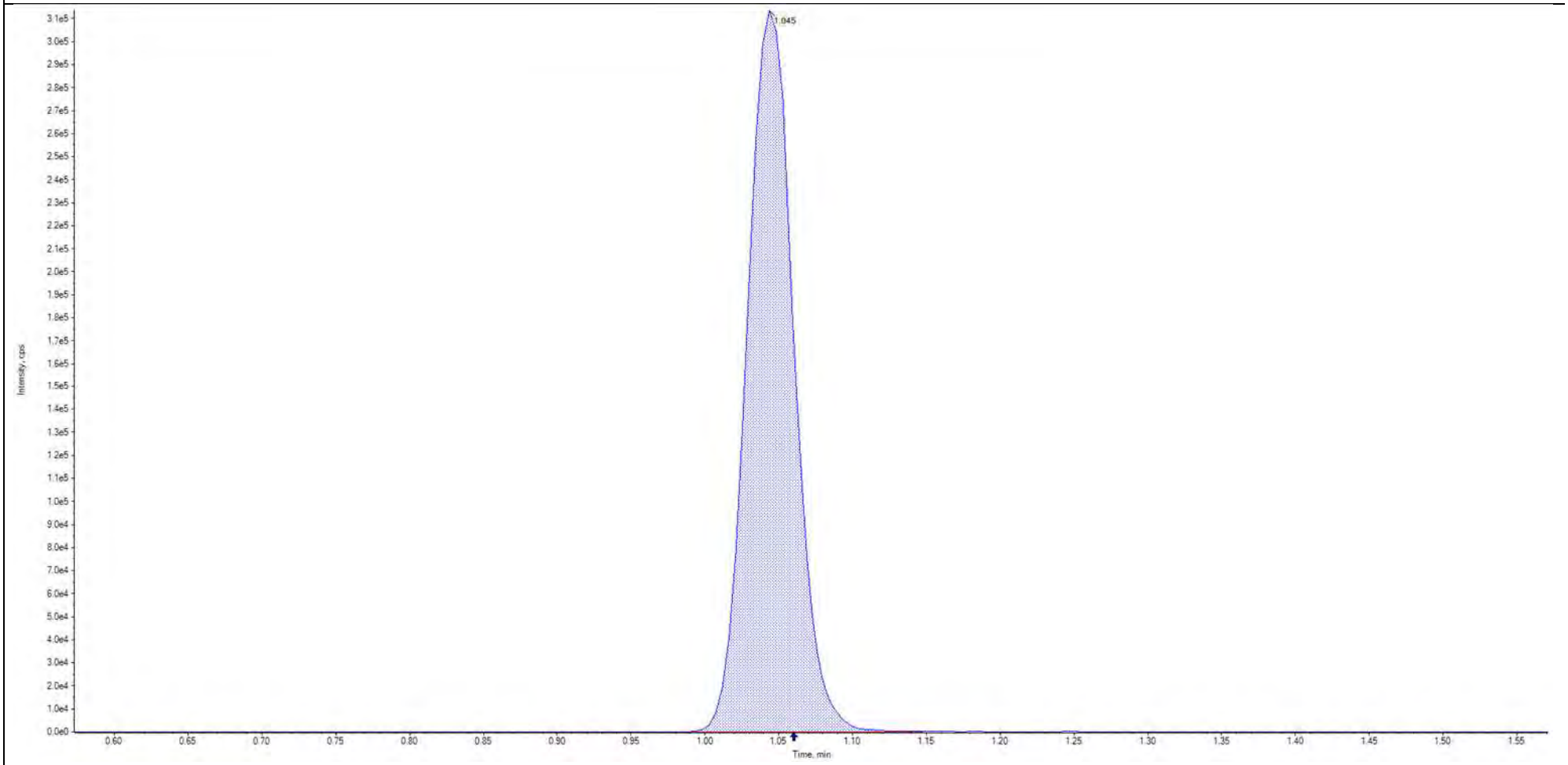
13C2-PFOA
Sample: WG2012727-2R S/N:N/A Points Across peak:N/A



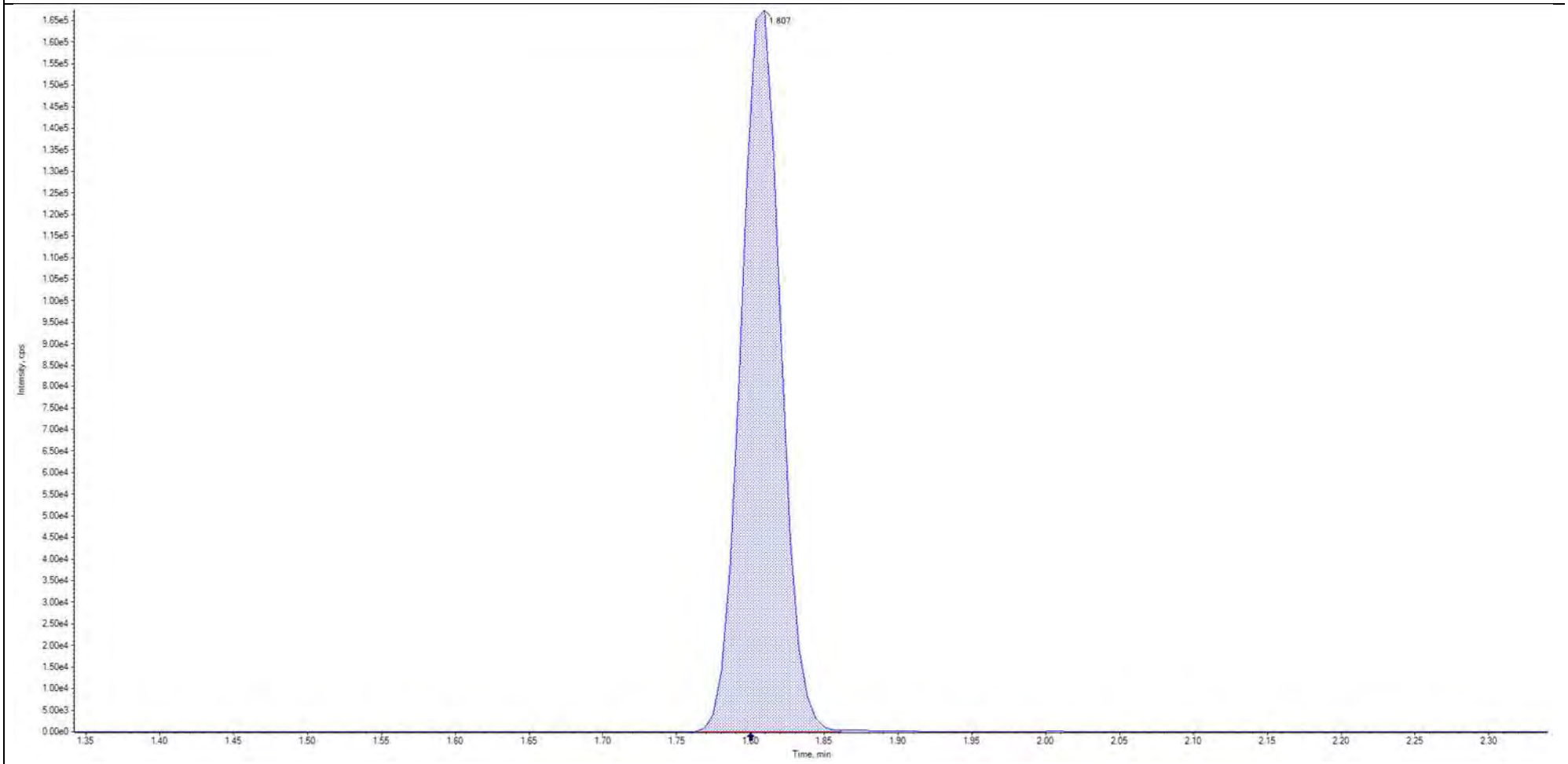
13C4-PFBA
Sample: WG2012727-2R



13C5-PFPeA
Sample: WG2012727-2R



13C5-PFHxA
Sample: WG2012727-2R



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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13C4-PFHpA
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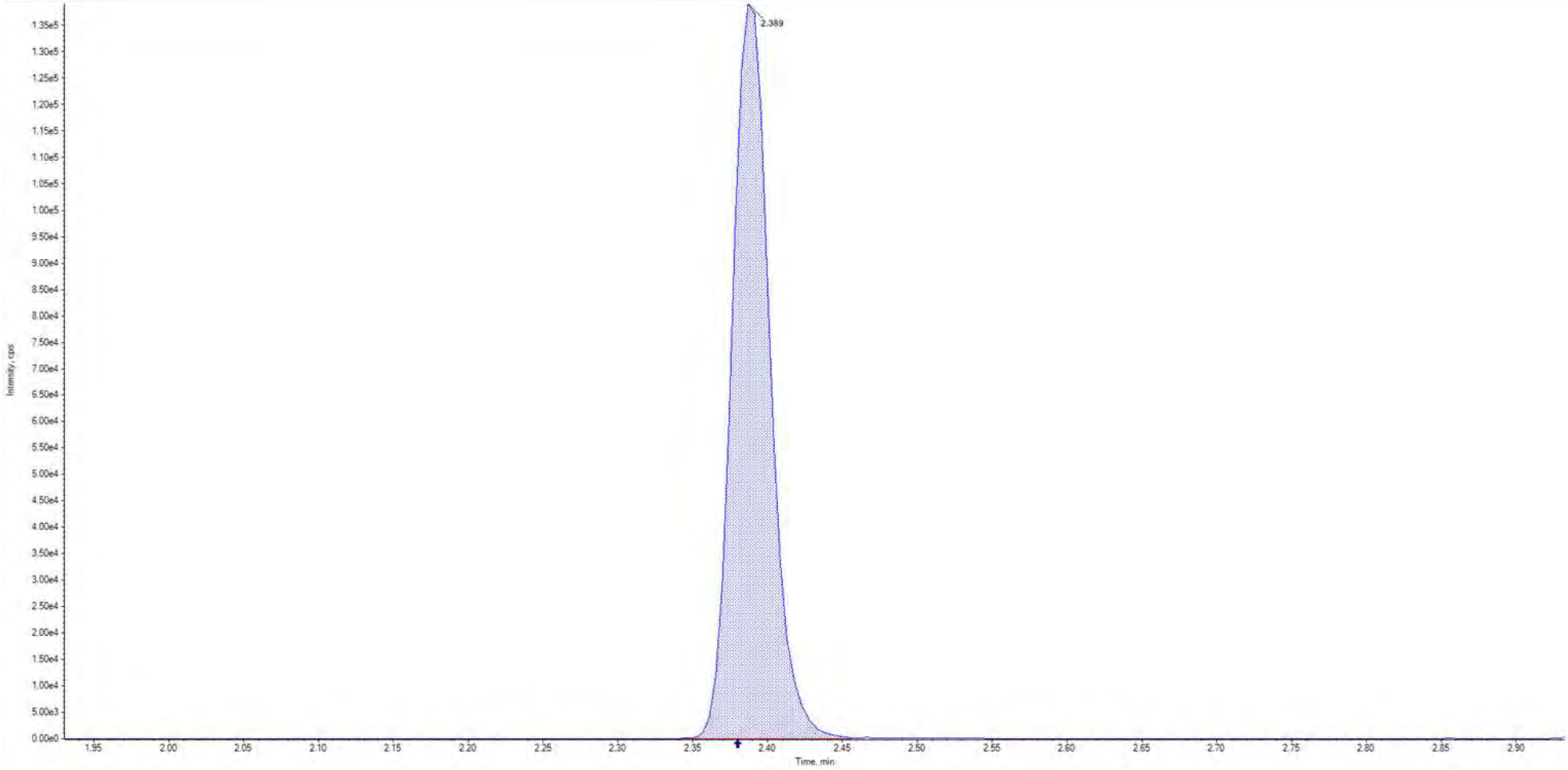
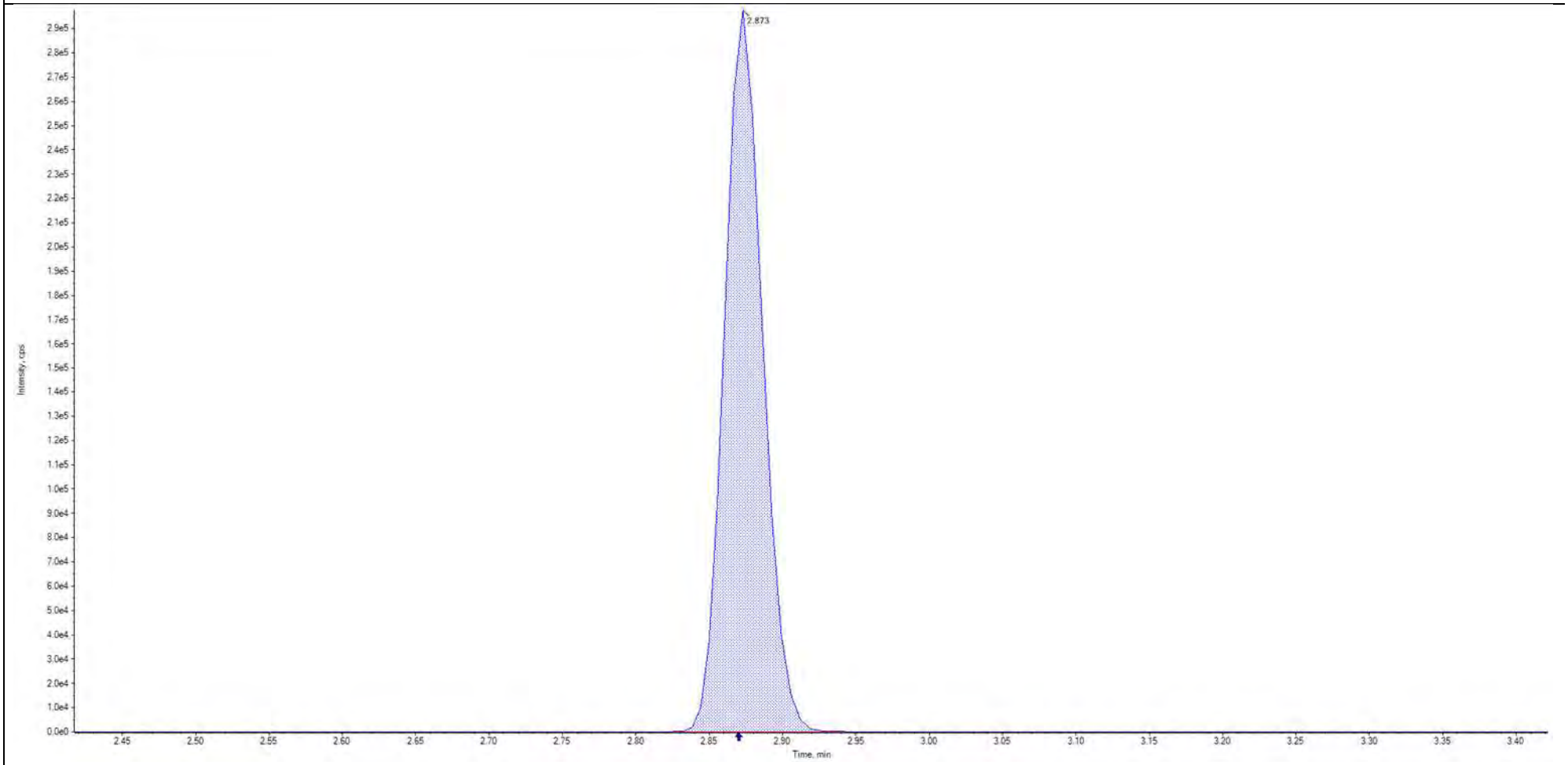


13C8-PFOA
Sample: WG2012727-2R



13C9-PFNA
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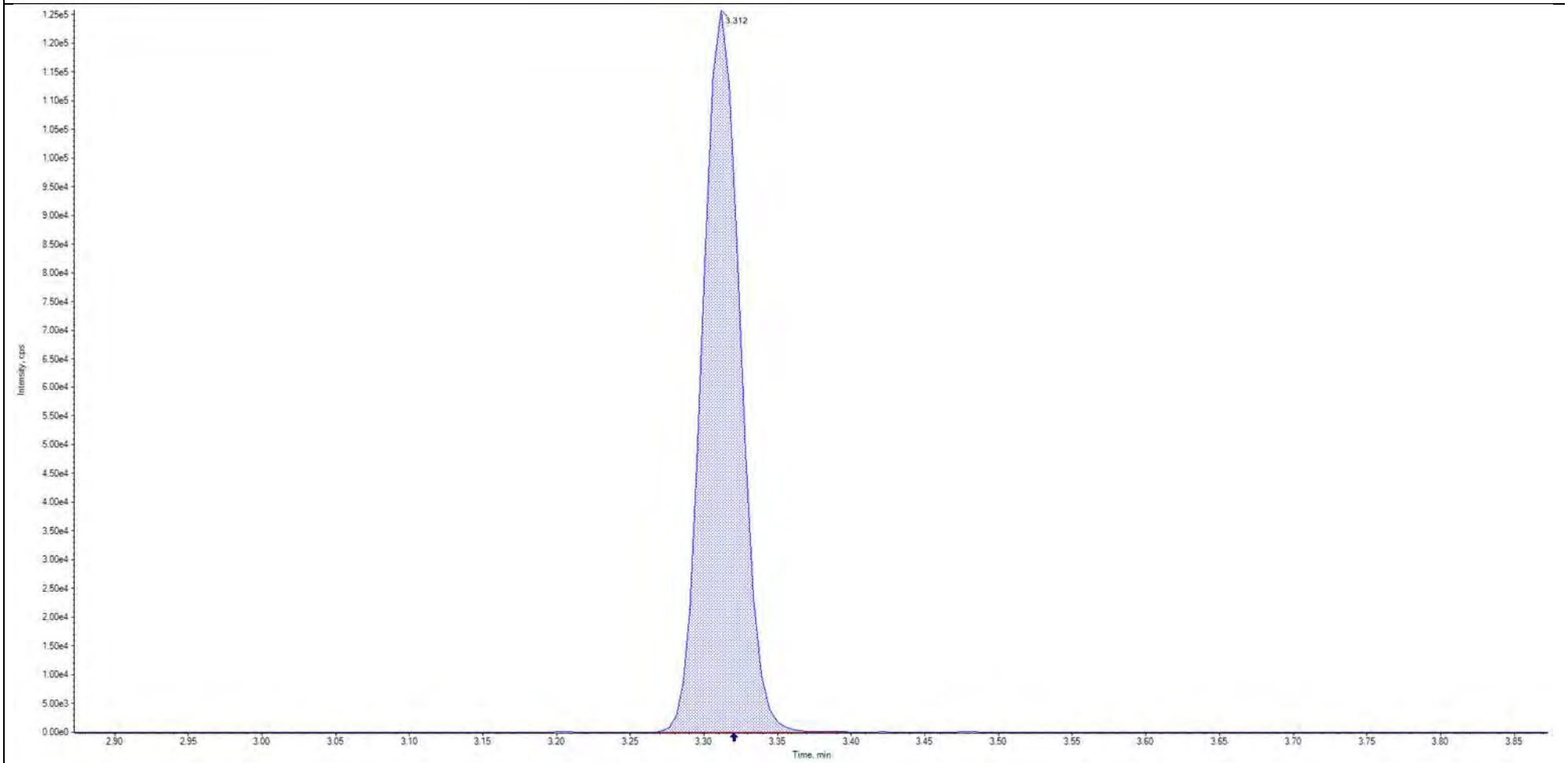

13C6-PFDA
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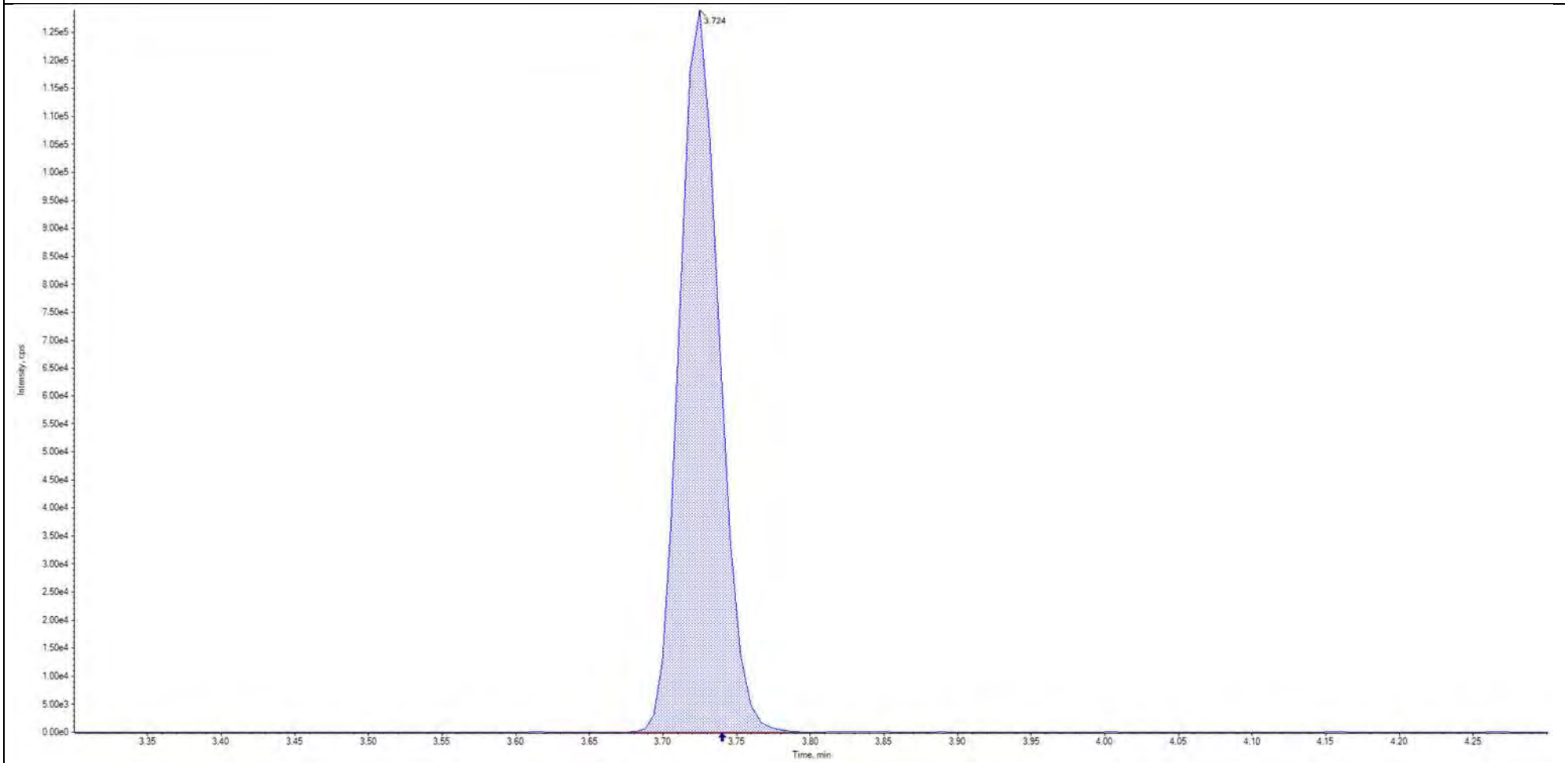

13C7-PFUnA
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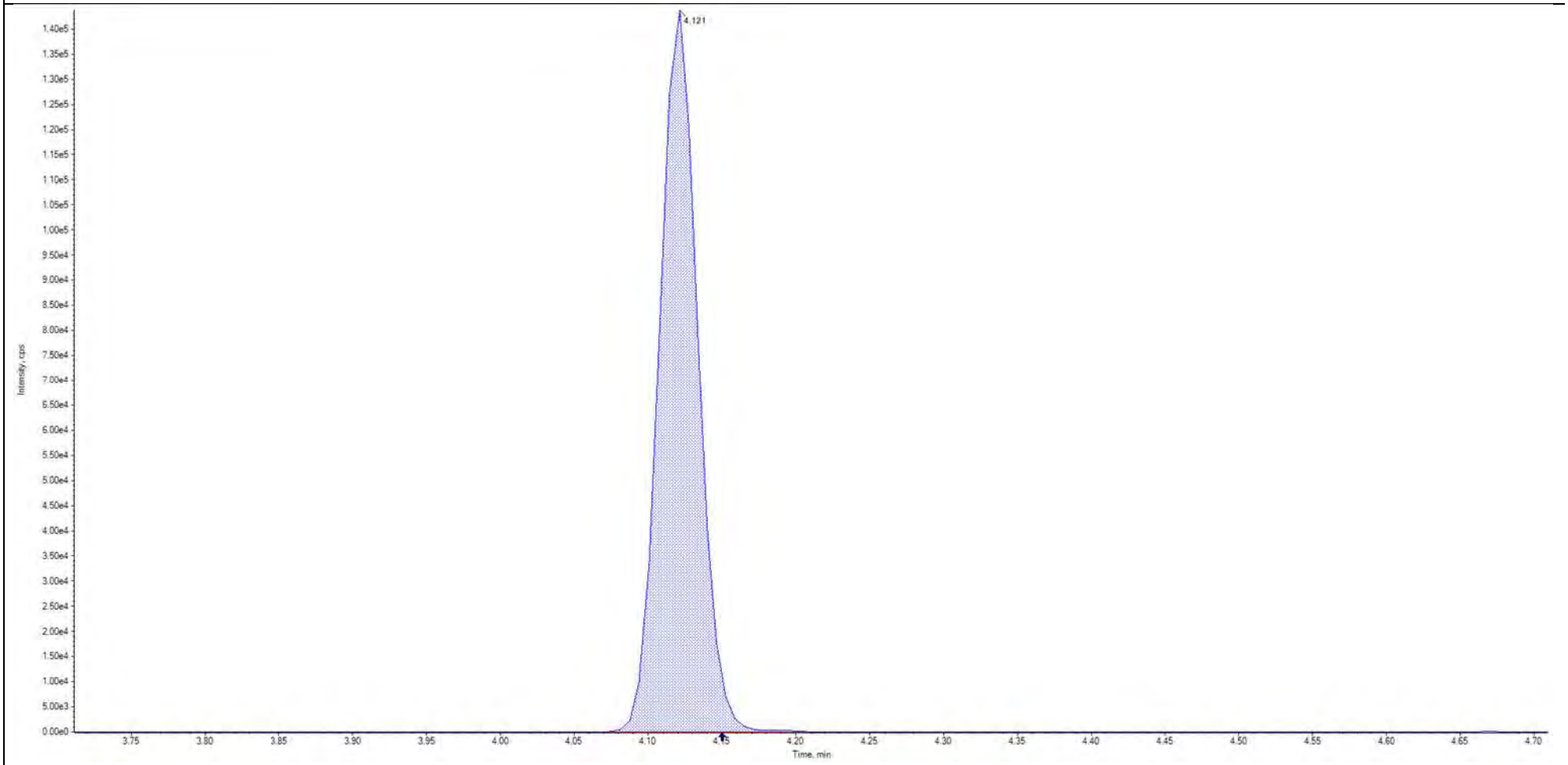
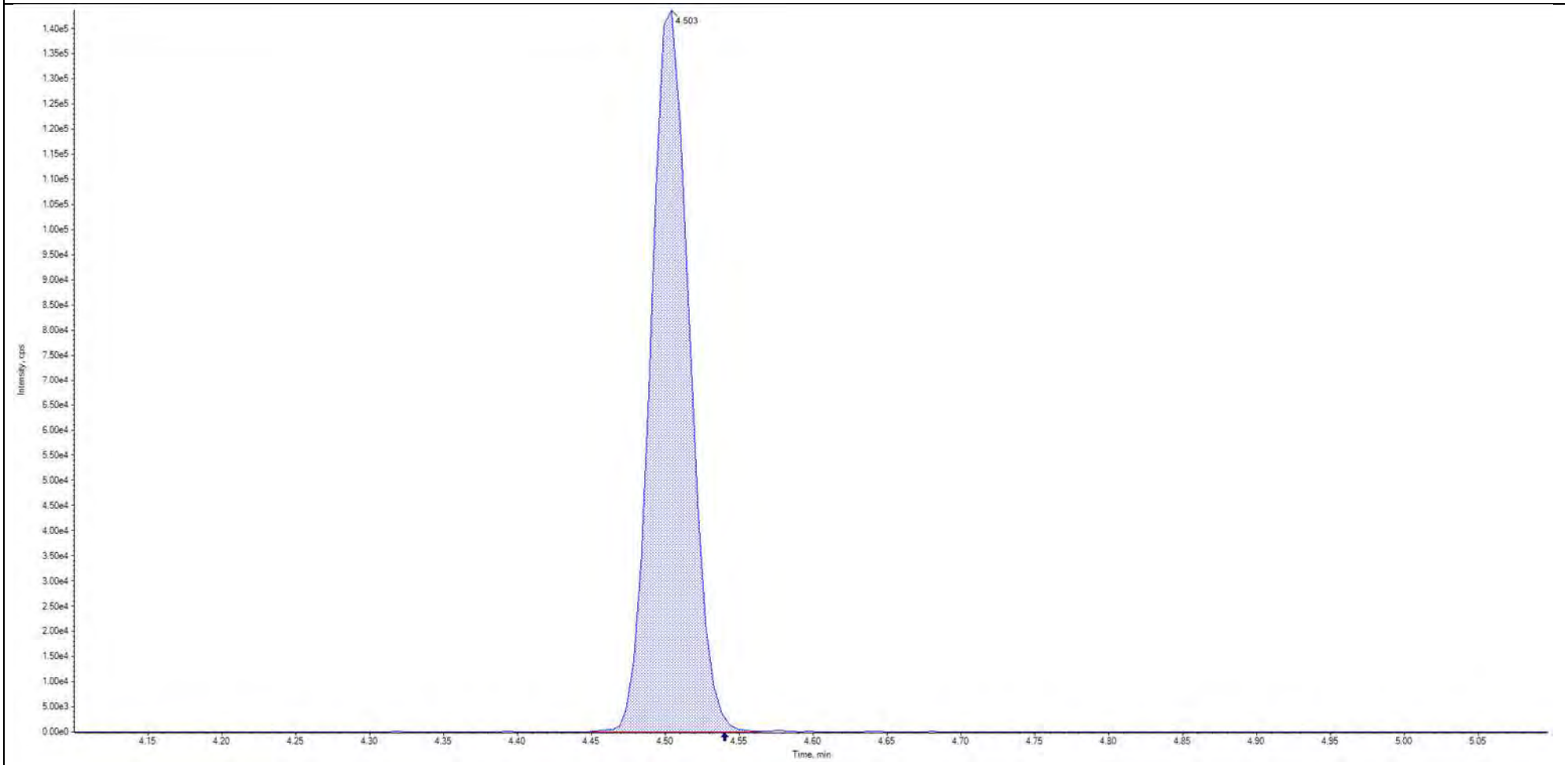
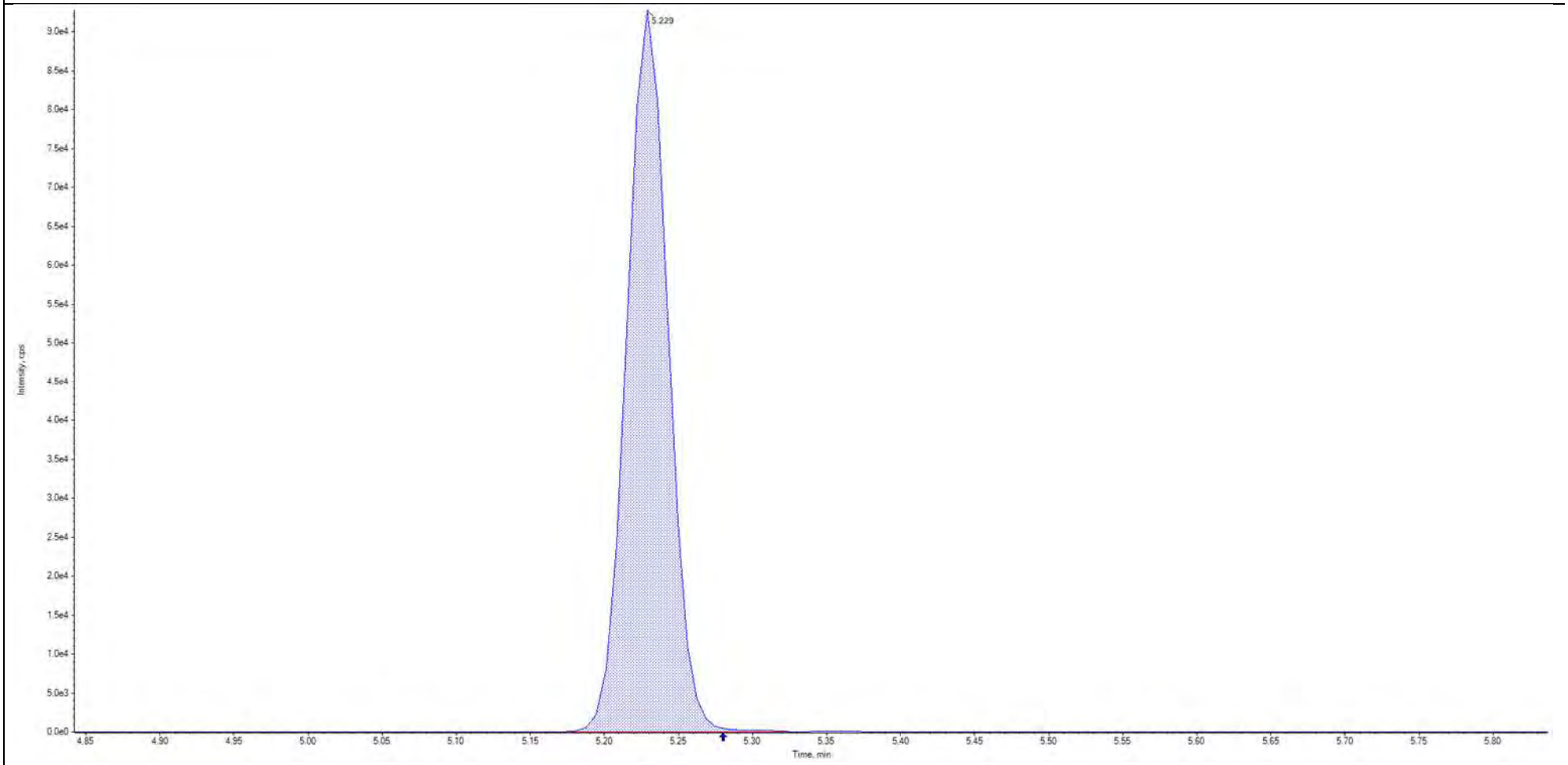


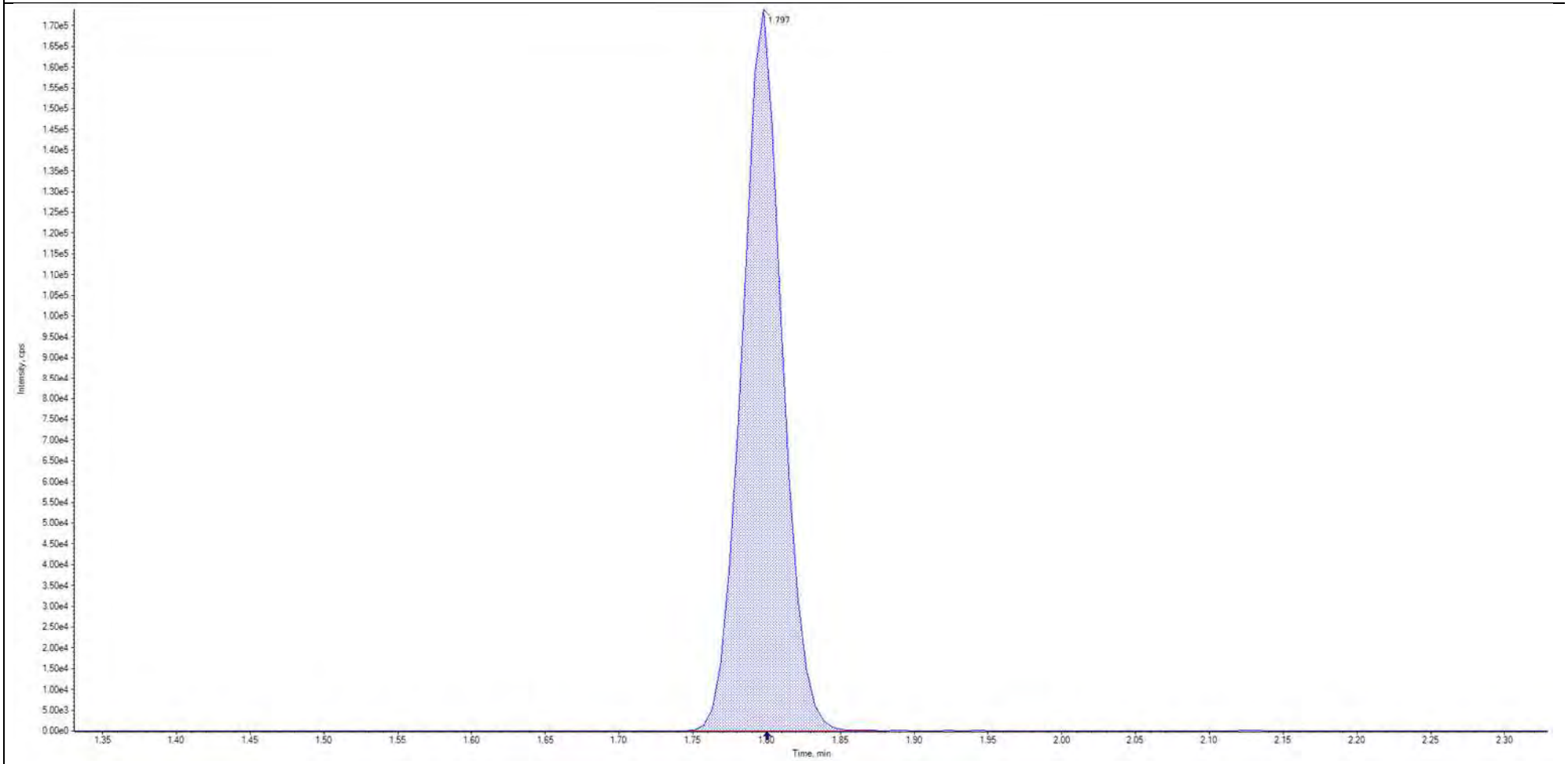
13C2-PFDoA
Sample: WG2012727-2R



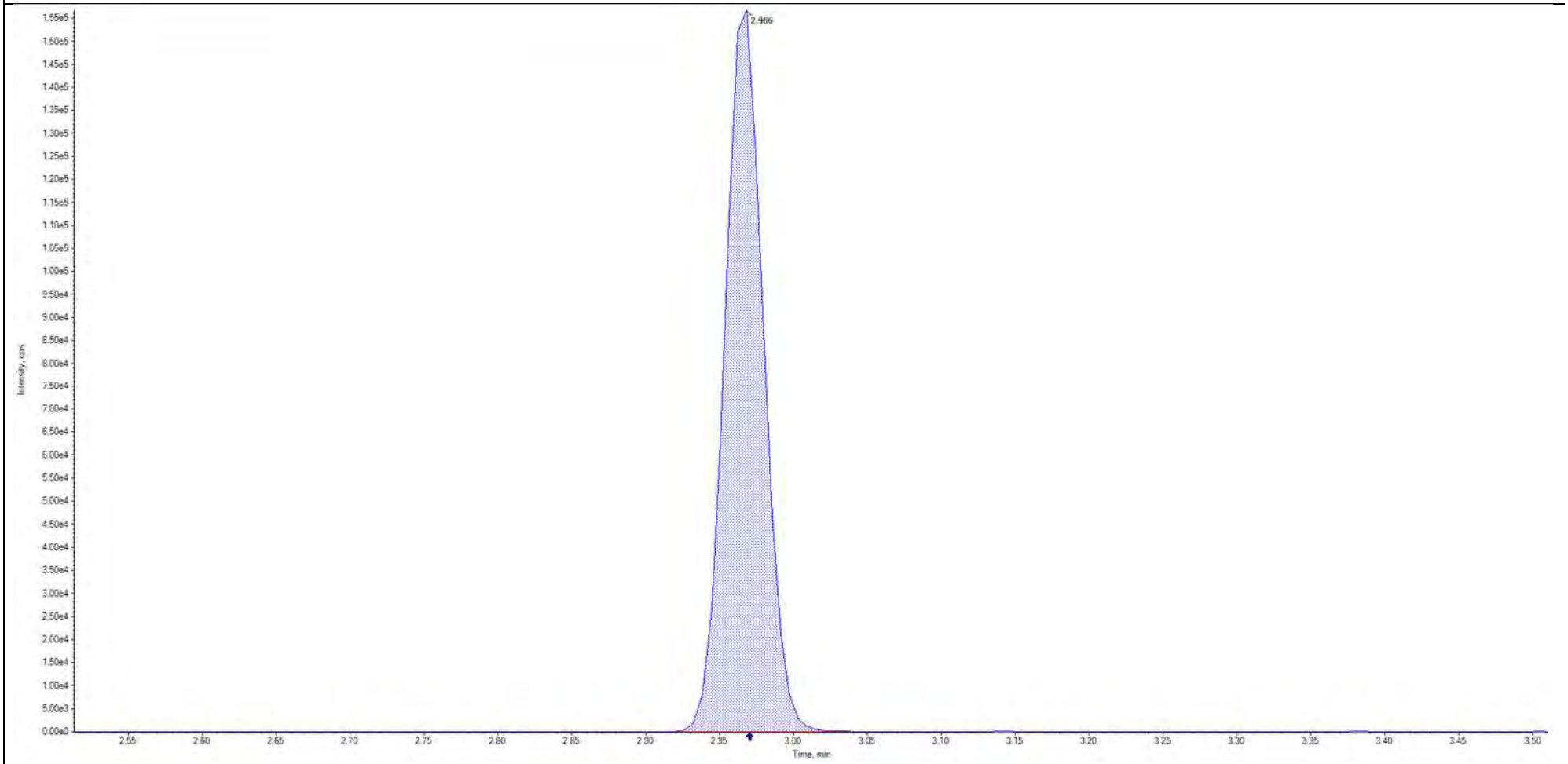
13C2-PFTeDA
Sample: WG2012727-2R



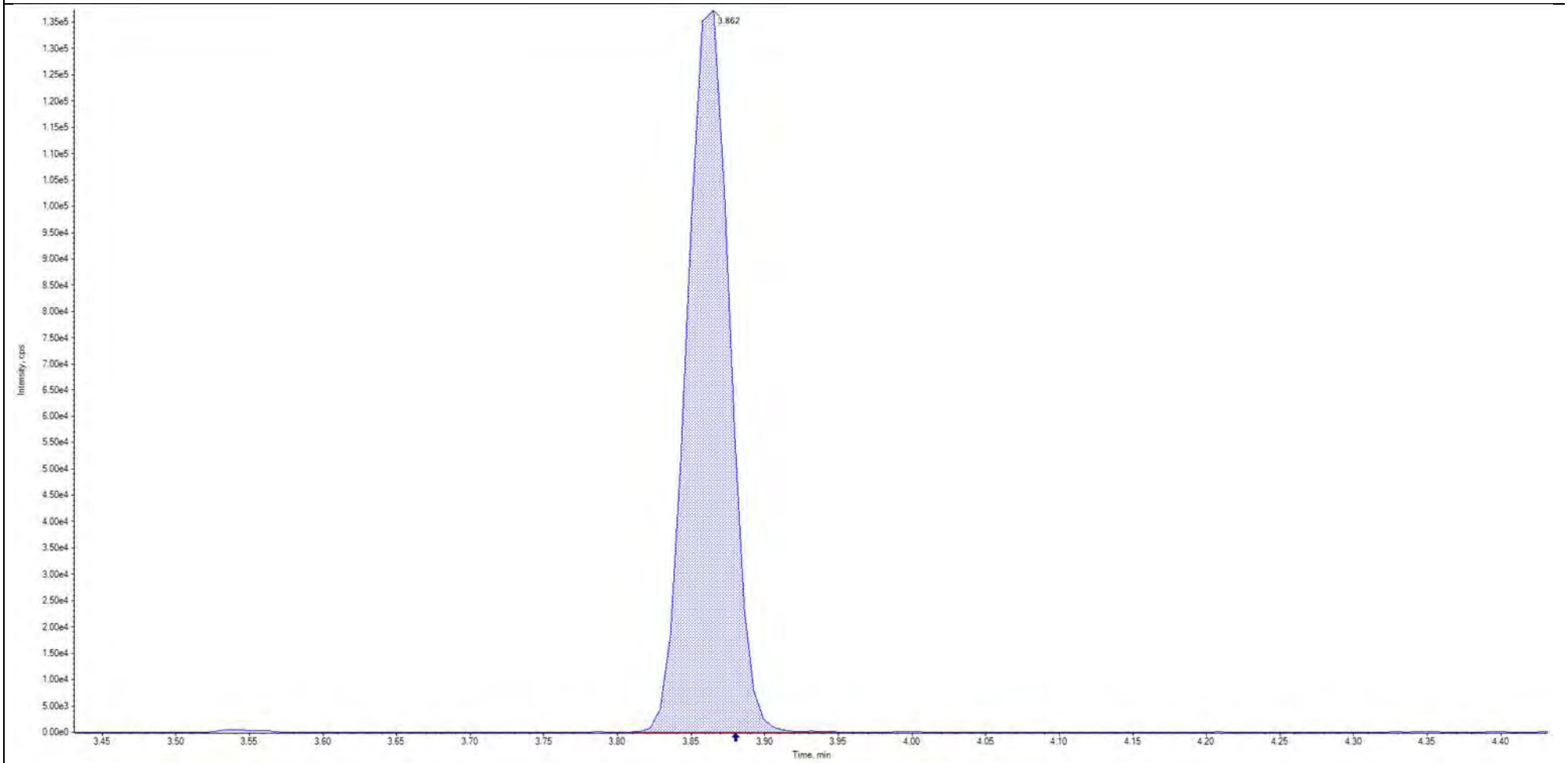
13C3-PFBS
Sample: WG2012727-2R



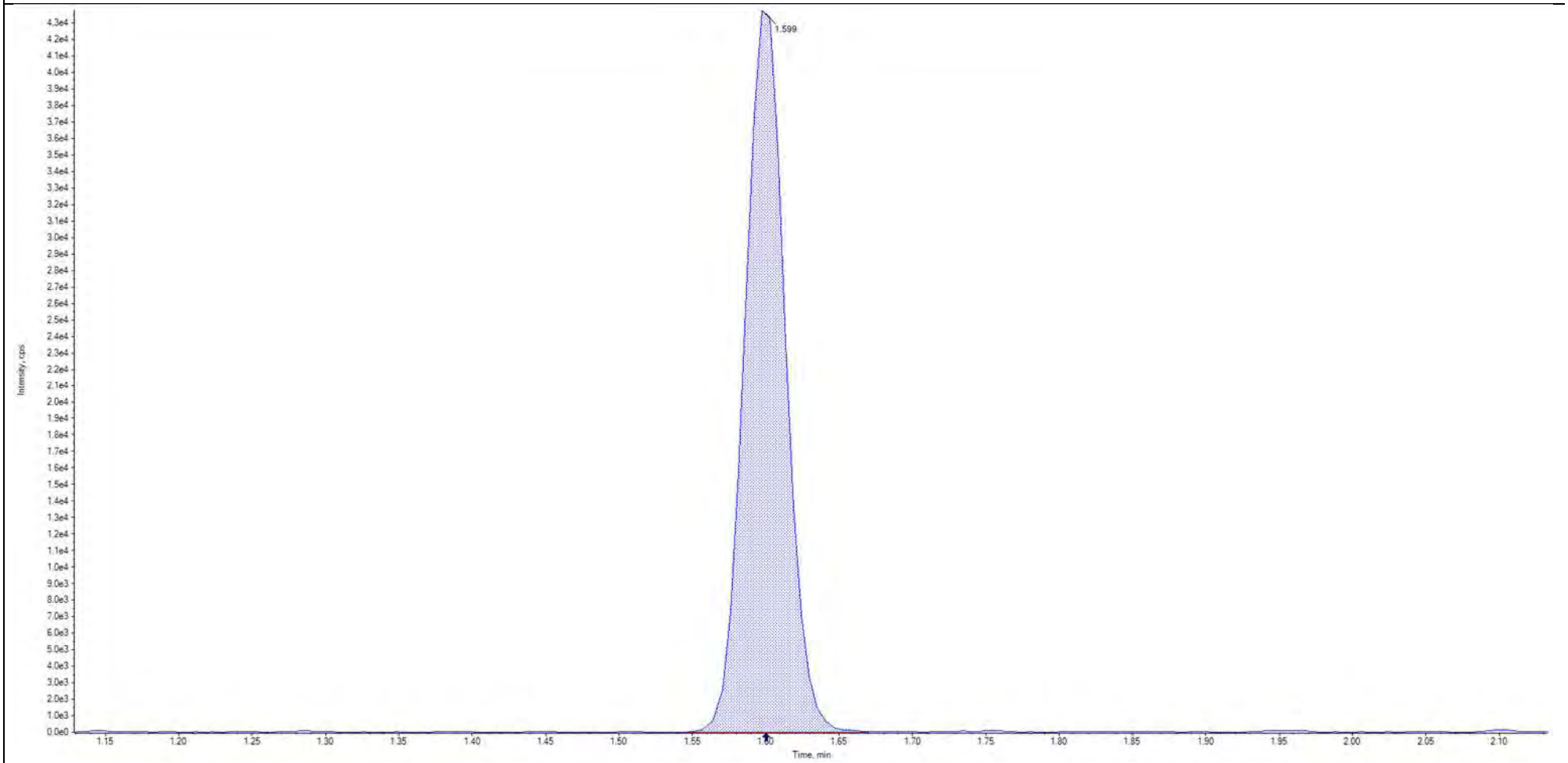
13C3-PFHxS
Sample: WG2012727-2R



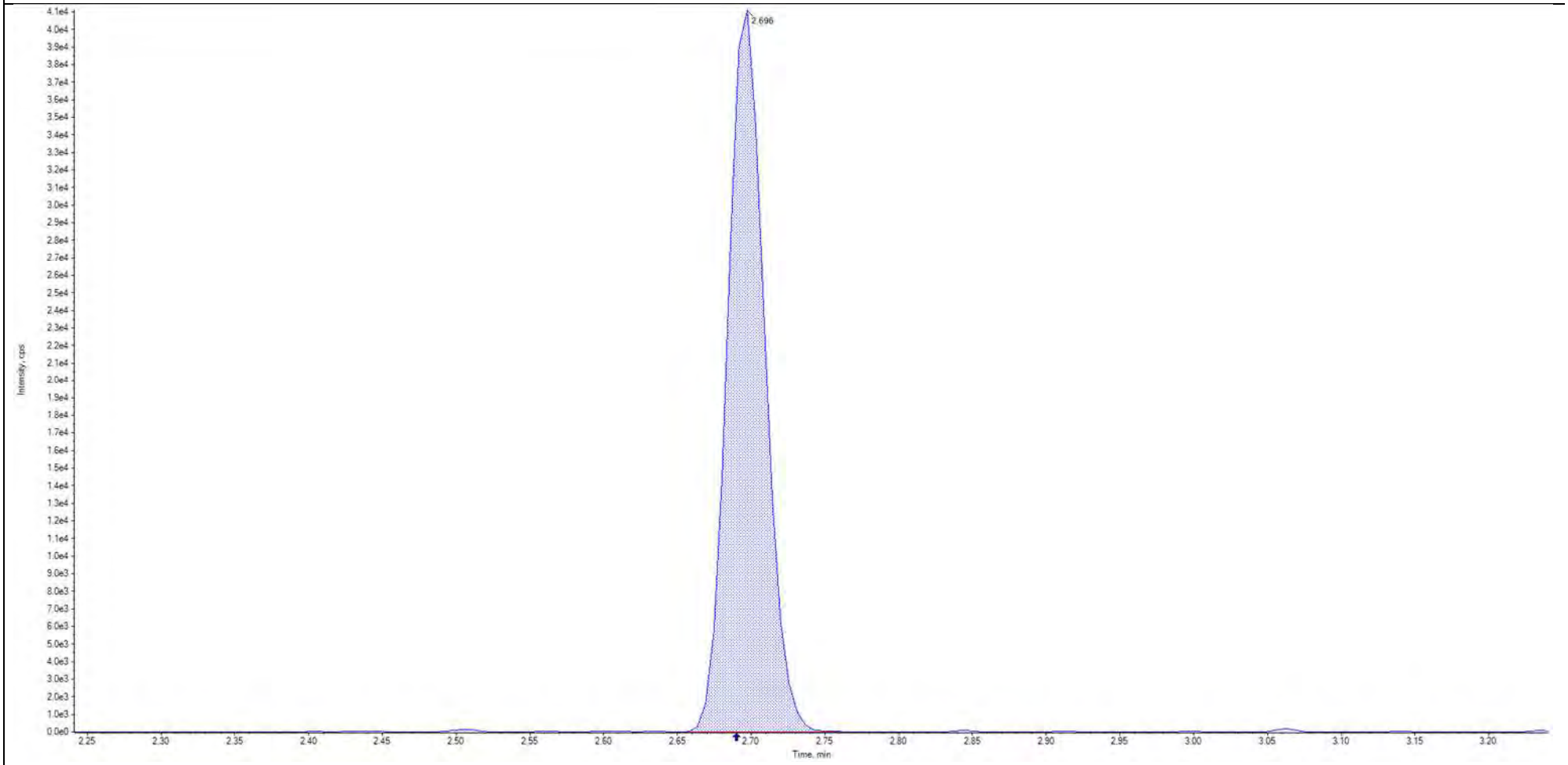
13C8-PFOS
Sample: WG2012727-2R



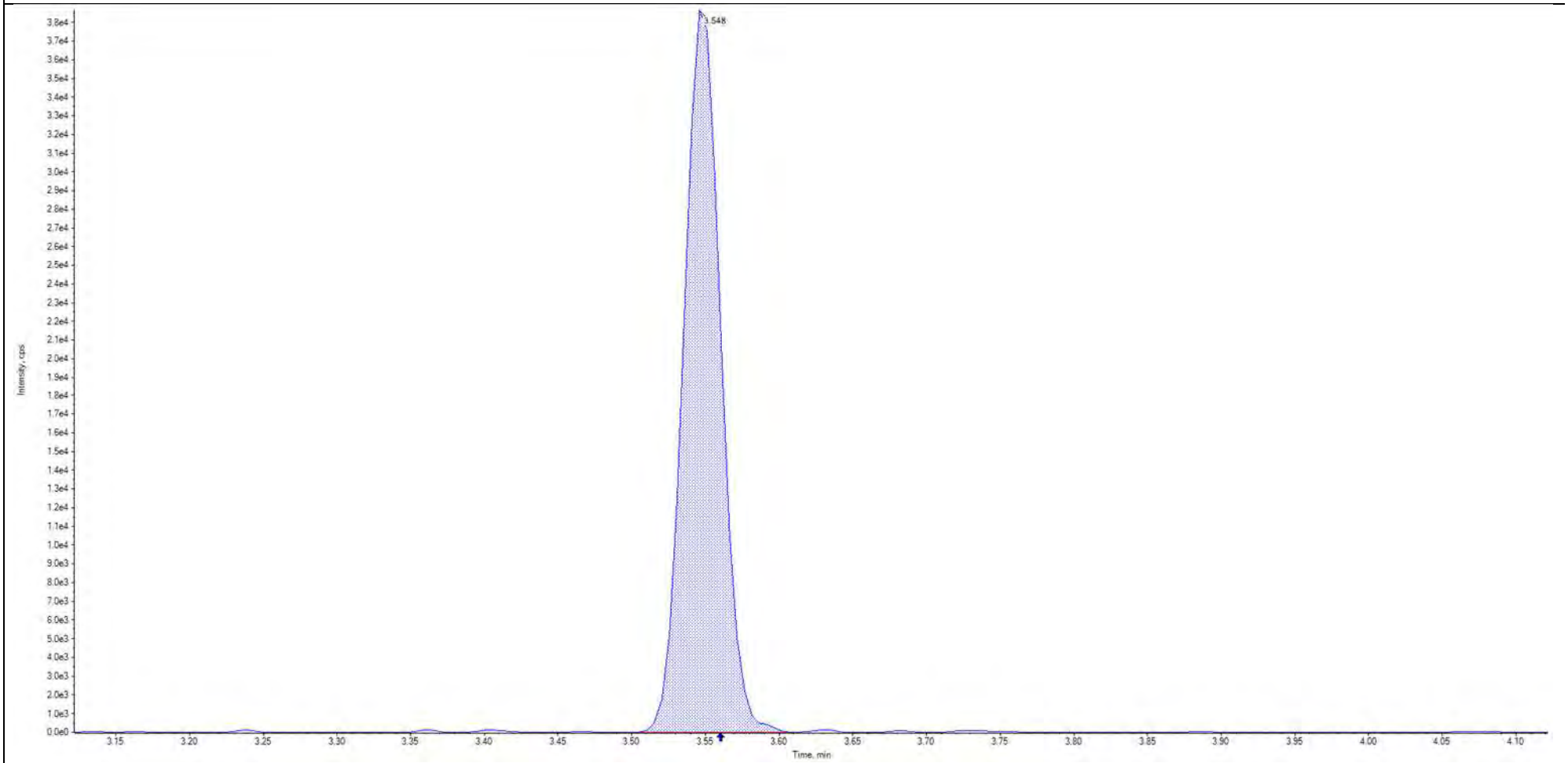
13C2-4:2FTS
Sample: WG2012727-2R



13C2-6:2FTS
Sample: WG2012727-2R



13C2-8:2FTS
Sample: WG2012727-2R



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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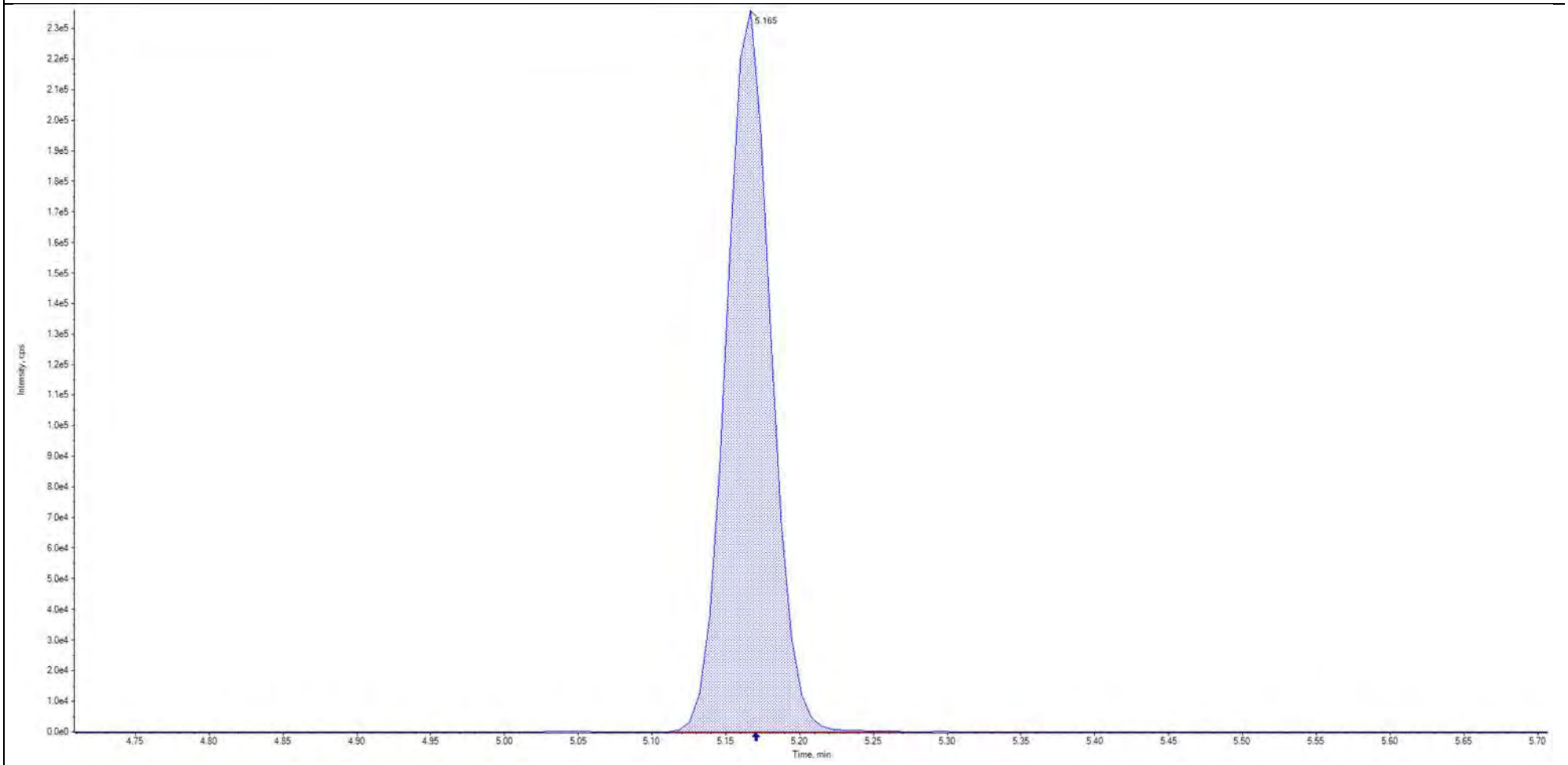
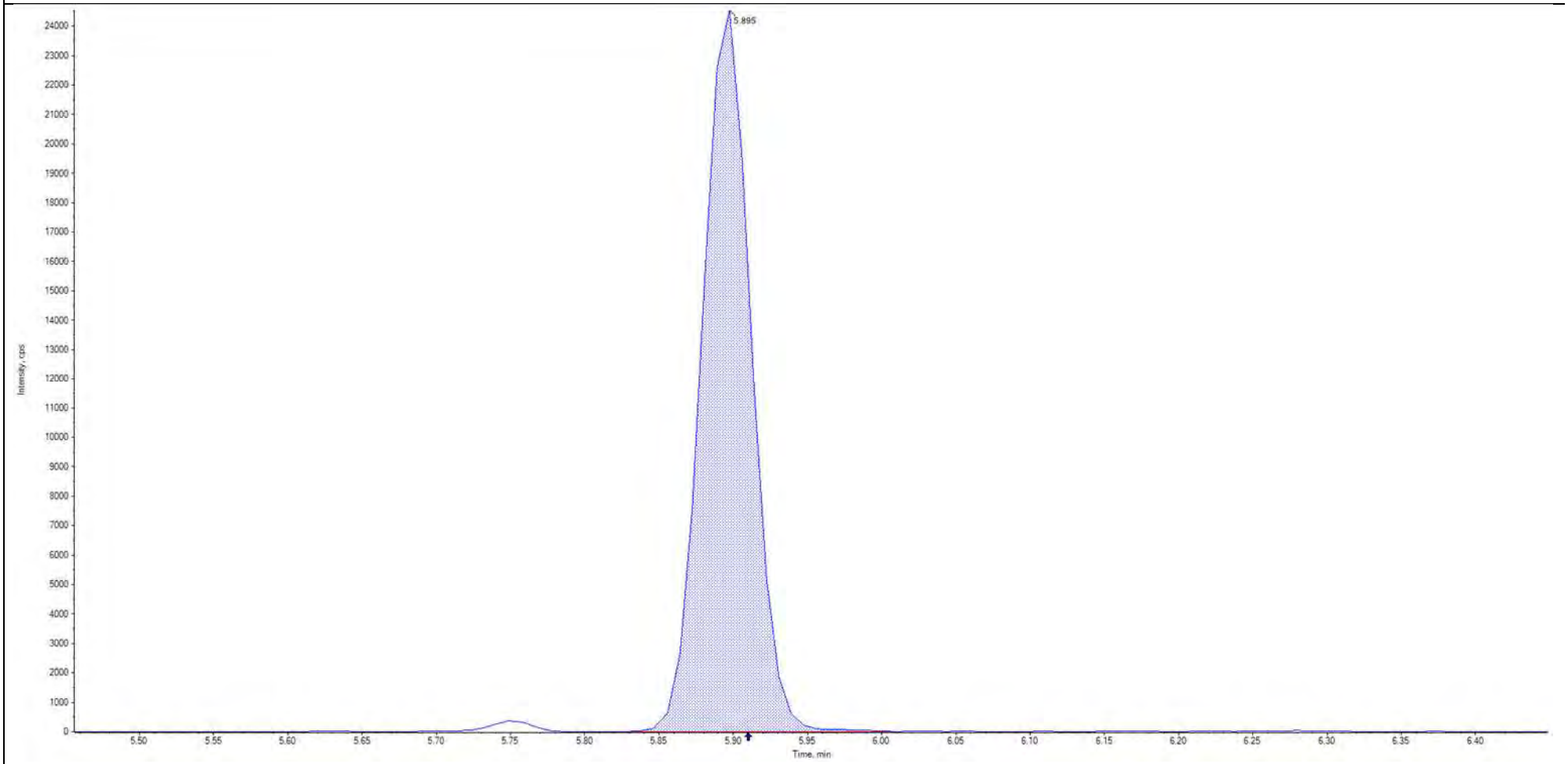
13C8-PFOSA
Sample: WG2012727-2R



d3-NMeFOSA
Sample: WG2012727-2R



d5-NEtFOSA
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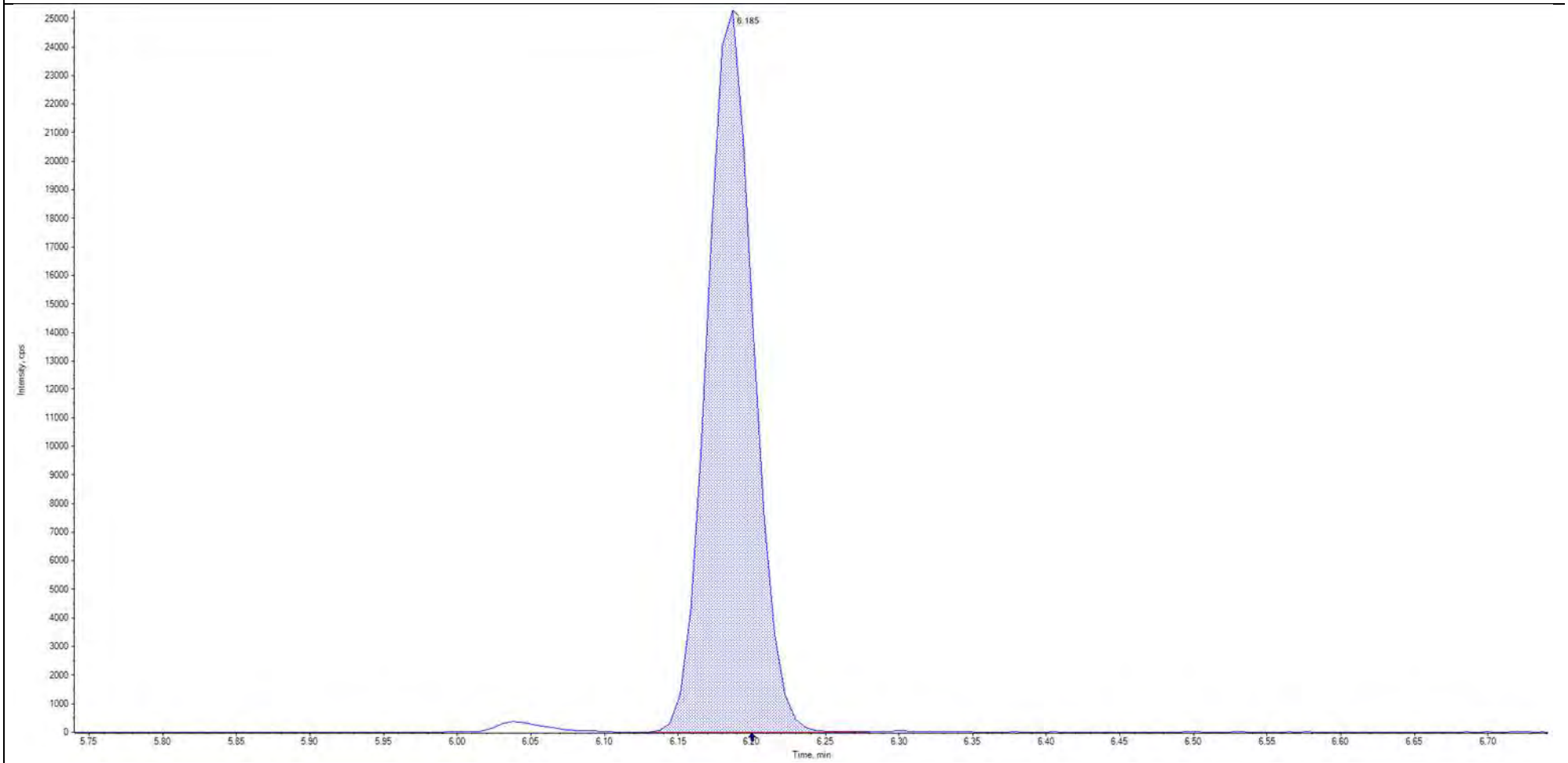

d3-NMeFOSAA
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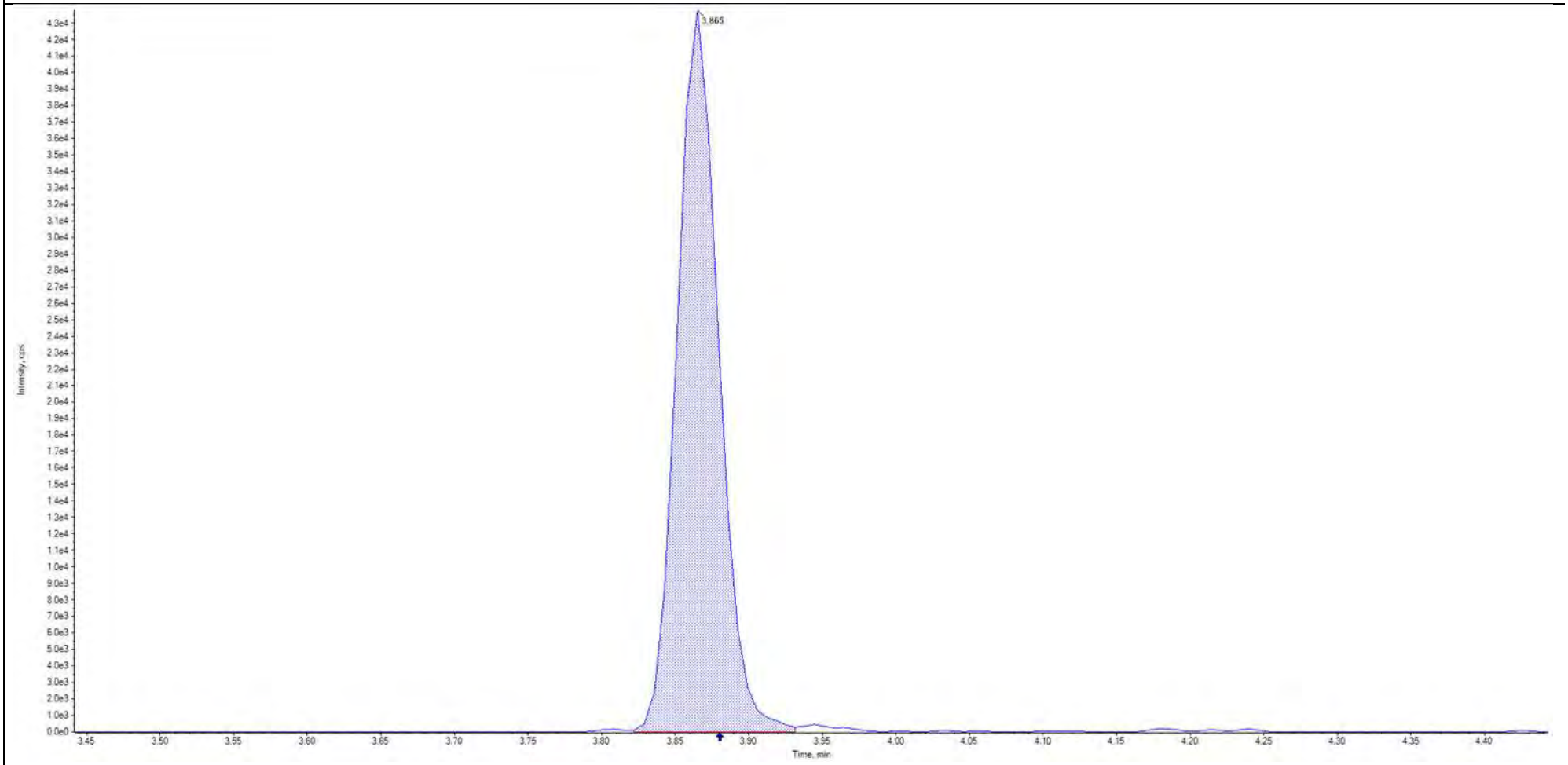

d5-NEtFOSAA
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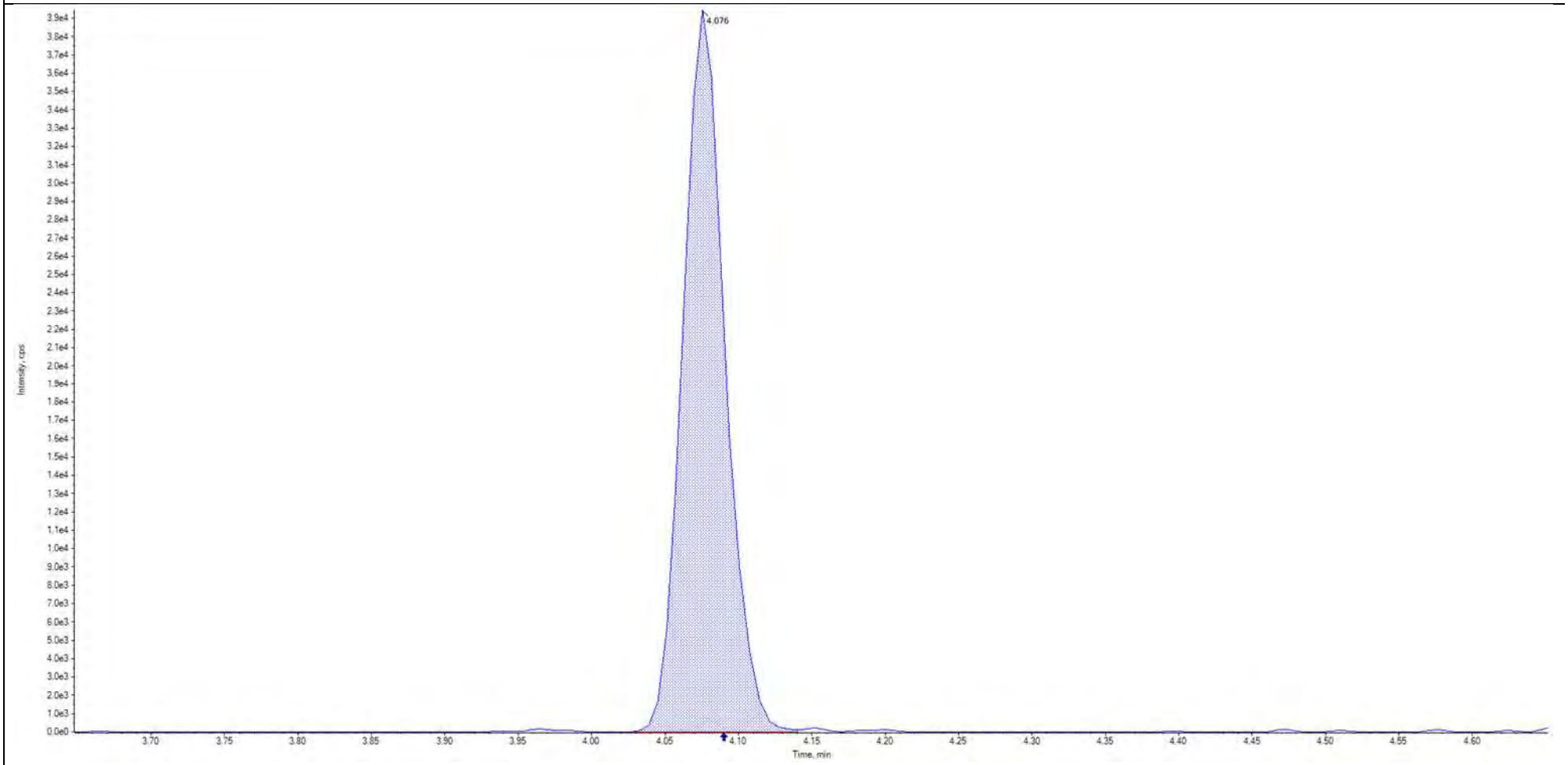
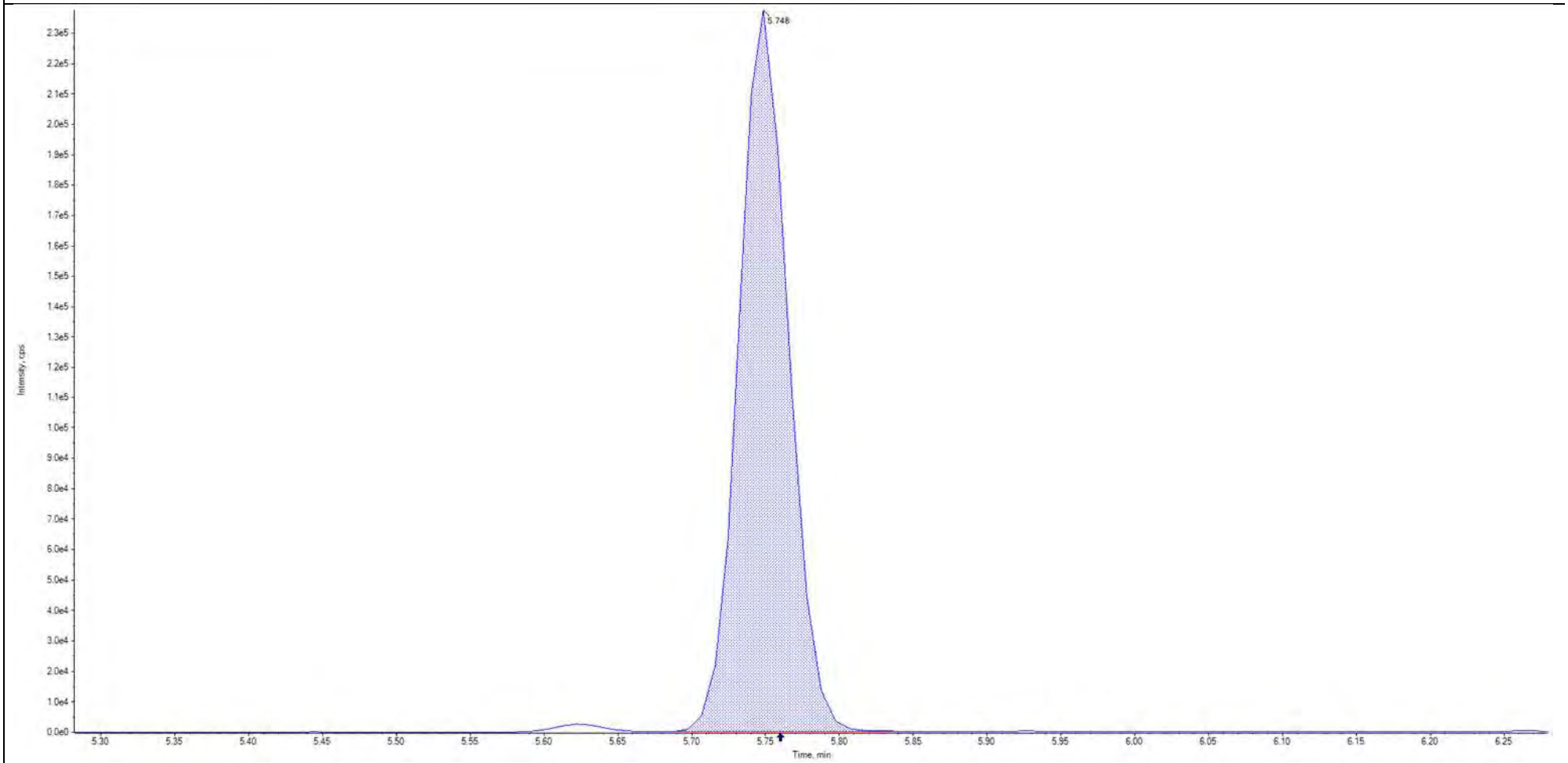
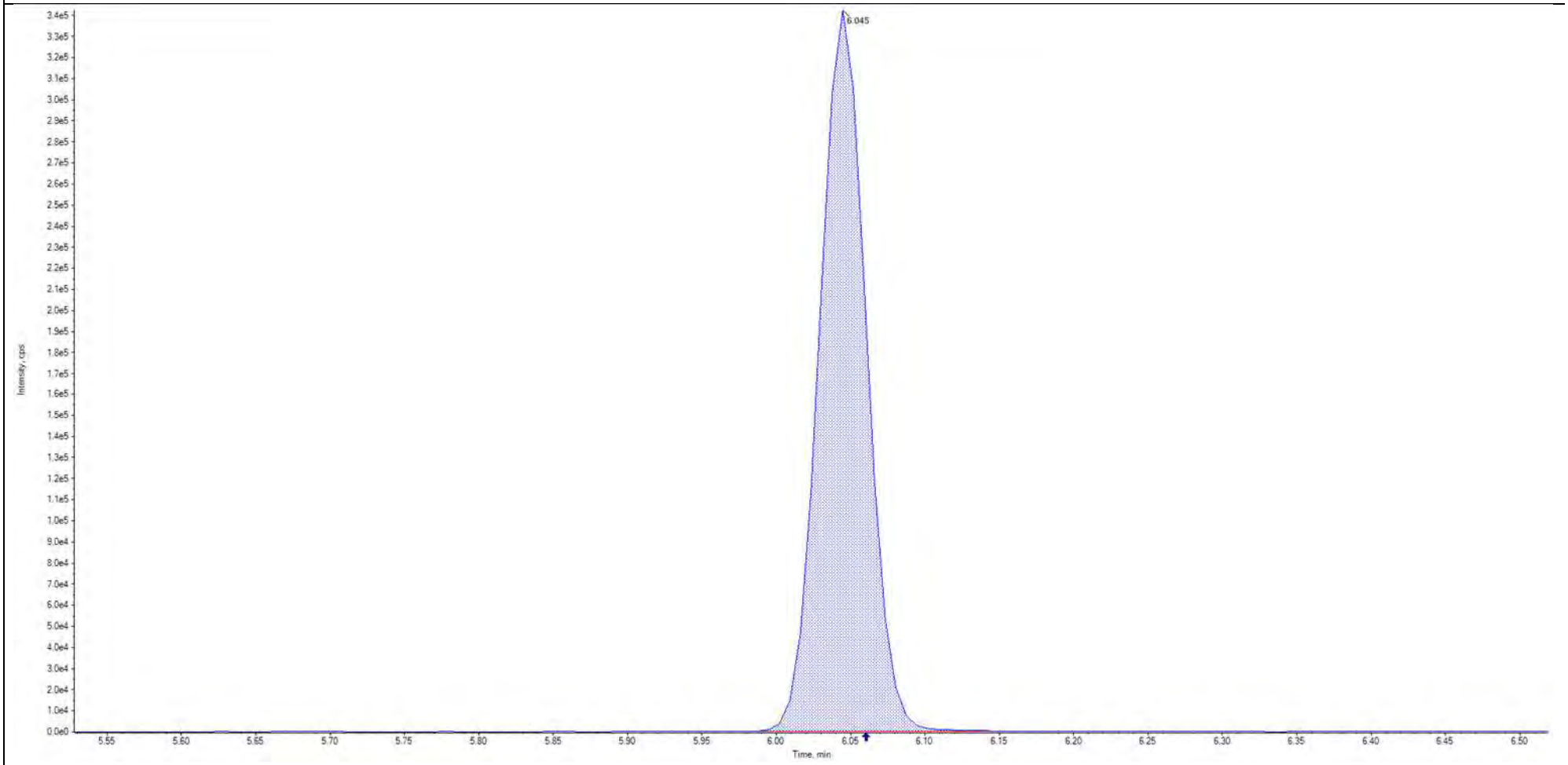


d7-NMeFOSE
Sample: WG2012727-2R



d9-NEtFOSE
Sample: WG2012727-2R



13C3-HFPO-DA
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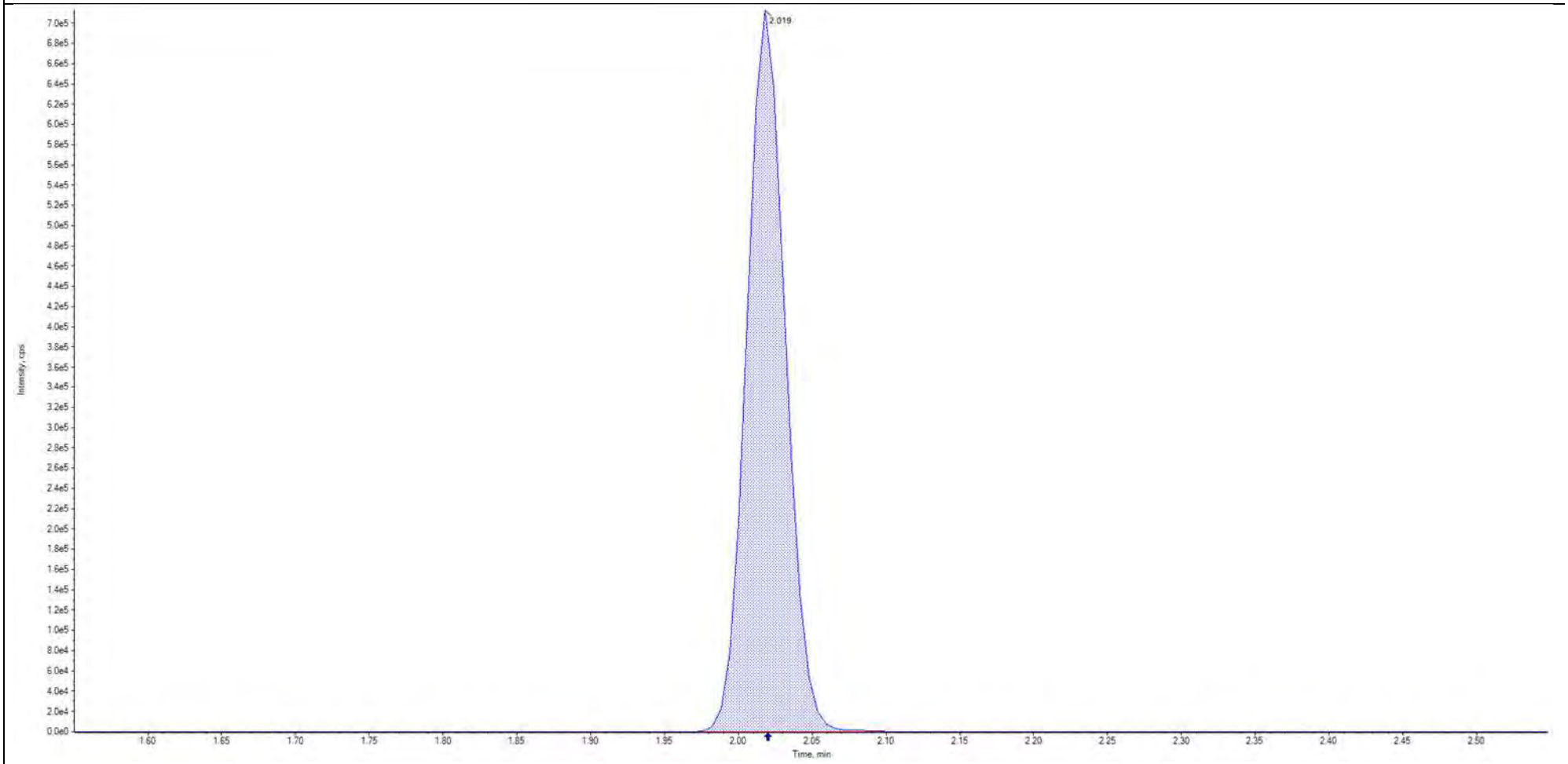

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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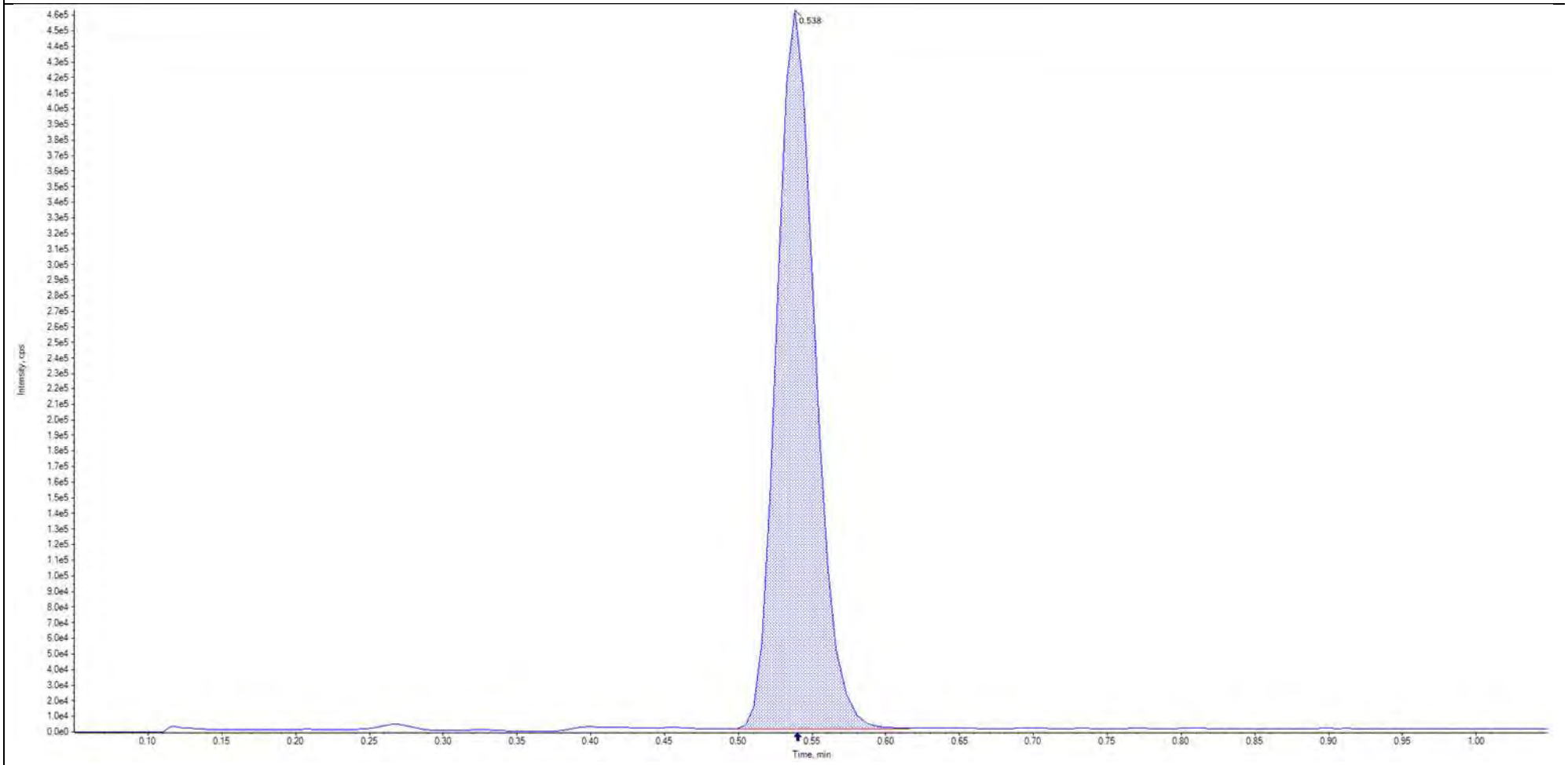
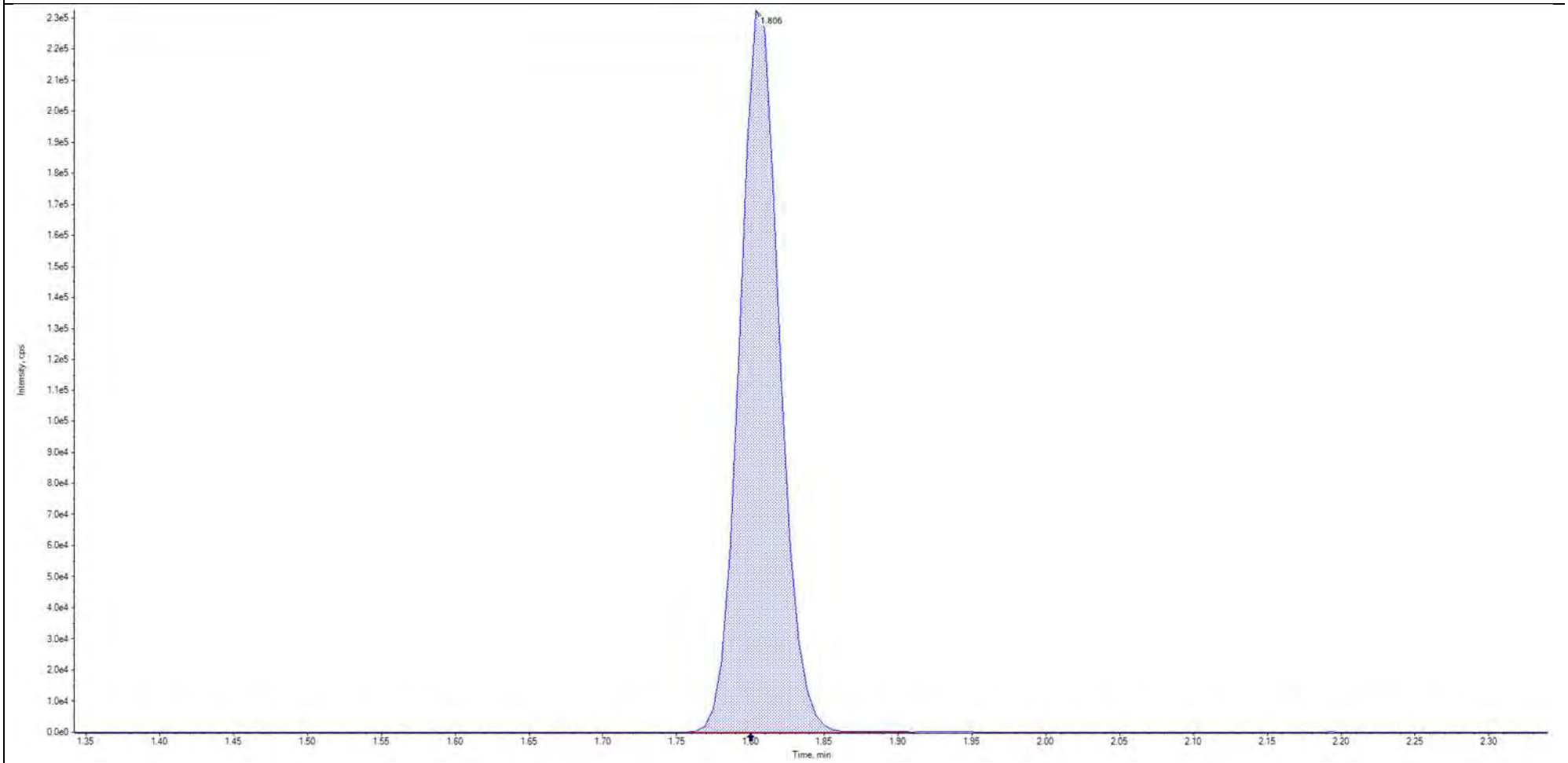
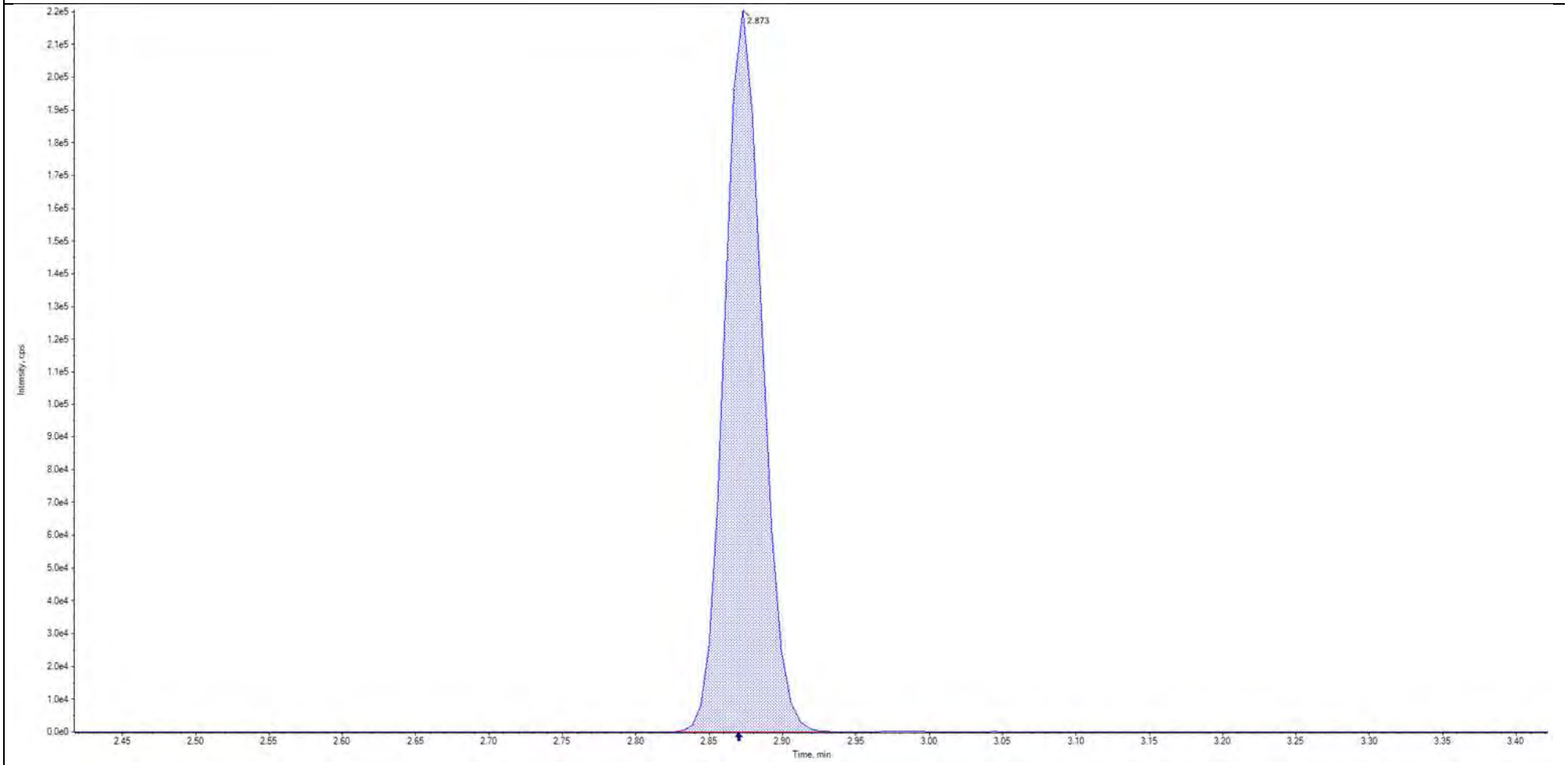
13C3-PFBA
Sample: WG2012727-2R



13C2-PFHxA
Sample: WG2012727-2R



13C4-PFOA
Sample: WG2012727-2R



13C5-PFNA
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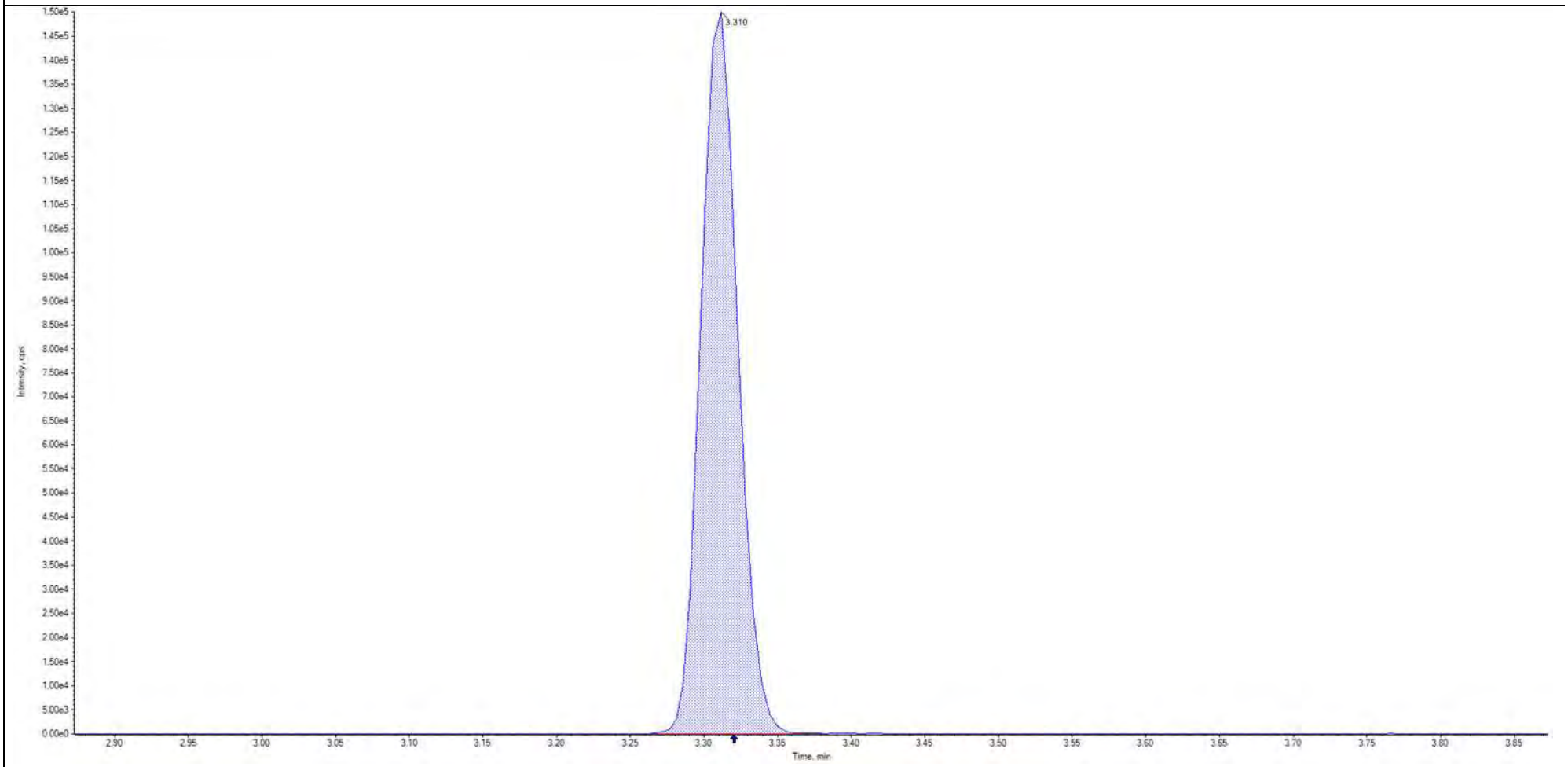
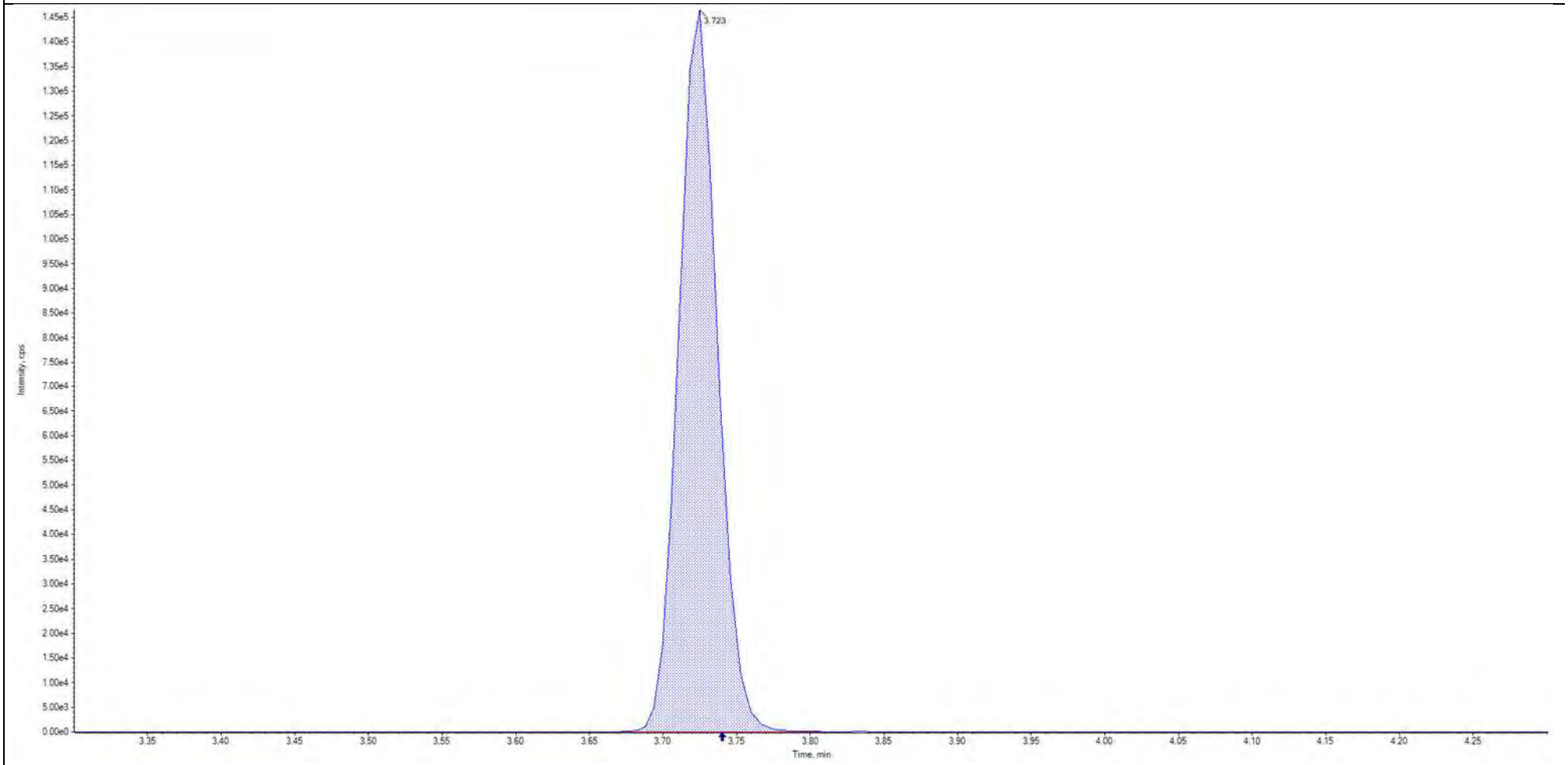
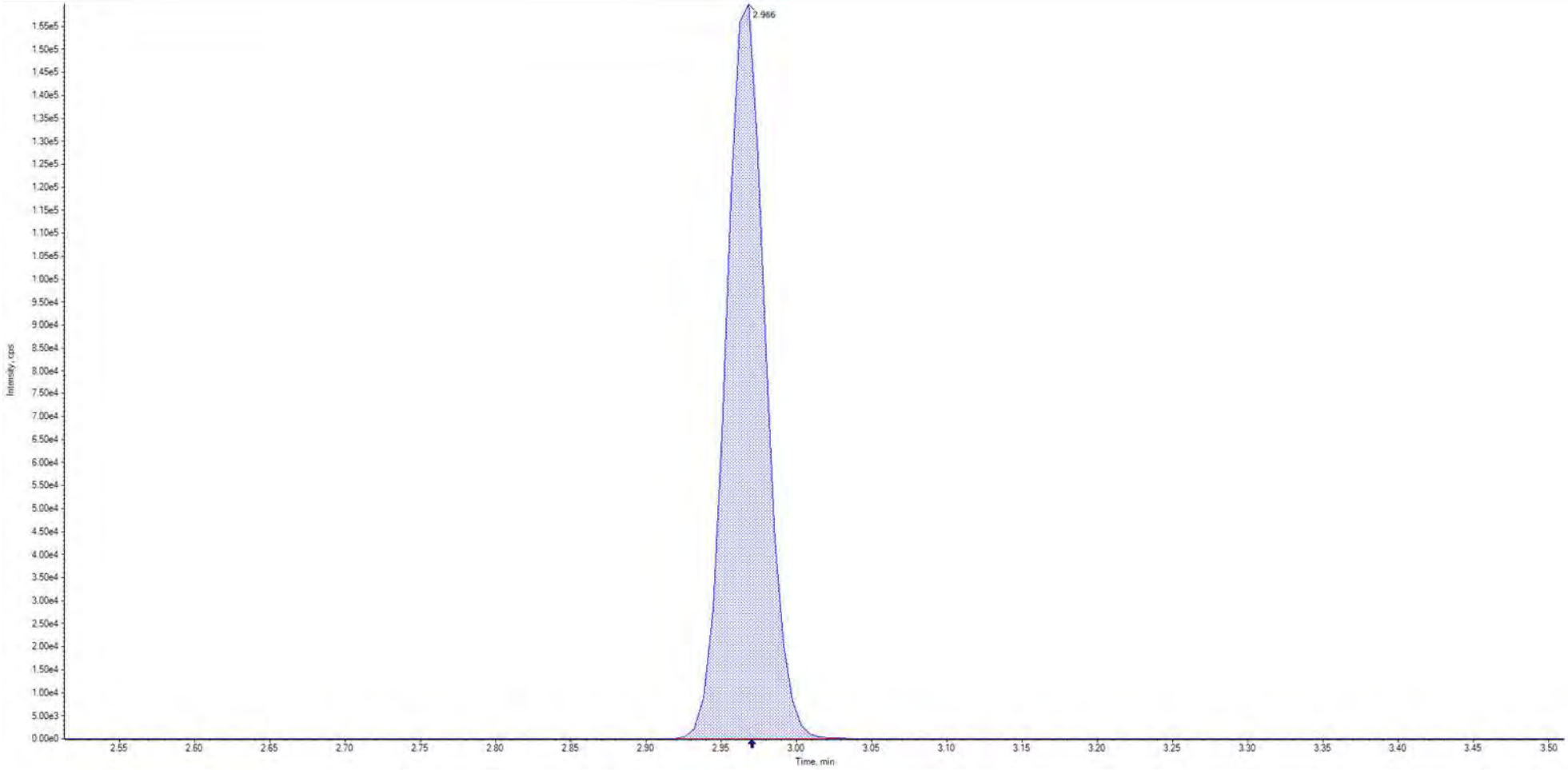


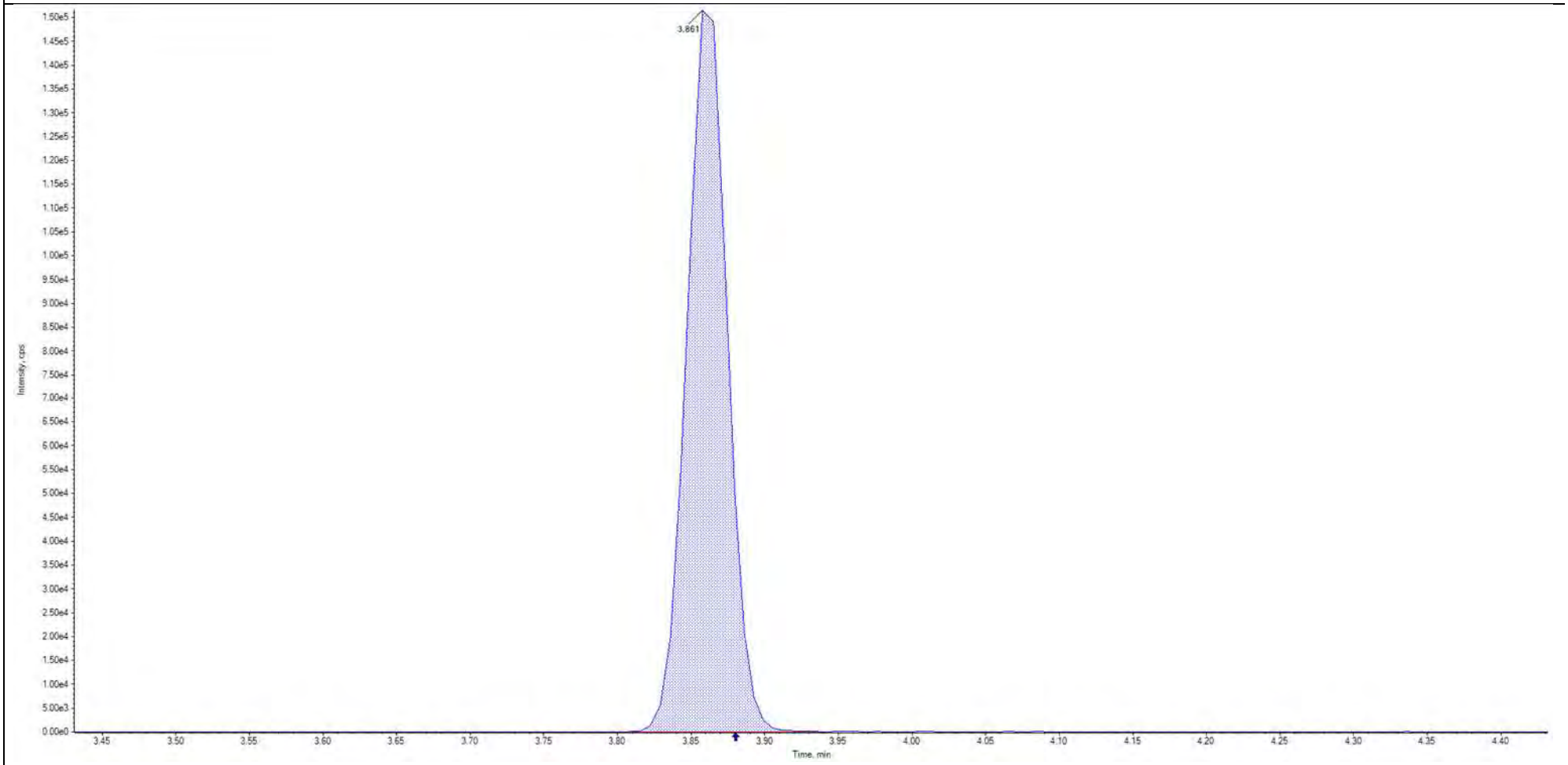
13C2-PFDA
Sample: WG2012727-2R



18O2-PFHxS
Sample: WG2012727-2R



13C4-PFOS
Sample: WG2012727-2R



Alpha Analytical LLC
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Generated: 12/24/2024 10:11:25 AM

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Method: EPA1633F.qmethod
Calibration: 241112_1633_ICAL

ID: WG2012727-4
Name: SCI09_241223_24.wiff2
Date & Time: 2024-12-23T23:05:55
Description: WG2012688,WG2012727,ICAL21696
Instrument: SCIEX Triple Quad 5500+
User: LCMS09:JW

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.56	213.0 / 169.0	992068		10.298	N/A	N/A	N/A	103.0
2	PFPeA	2706-90-3	1.07	263.0 / 219.0	538174		5.227	0.008	N/A	N/A	104.5
3	PFPeA_2	2706-90-3	1.07	263.0 / 68.9	4416		4.921	0.008	N/A	N/A	98.4
4	PFHxA	307-24-4	1.81	313.0 / 269.0	337289		2.650	0.095	0.089	Pass	106.0
5	PFHxA_2	307-24-4	1.81	313.0 / 119.0	32028		2.770	0.095	0.089	Pass	110.8
6	PFHpA	375-85-9	2.39	363.1 / 319.0	386091		2.691	0.407	0.384	Pass	107.6
7	PFHpA_2	375-85-9	2.39	363.1 / 169.0	156966		2.812	0.407	0.384	Pass	112.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	2.87	413.1 / 369.1	427573	M5	2.570	0.408	0.410	Pass	102.8
9	PFOA_2	335-67-1	2.87	413.1 / 169.0	174575	M5	2.565	0.408	0.410	Pass	102.6
10	PFNA	375-95-1	3.31	462.8 / 418.9	347176	M5	2.347	0.352	0.341	Pass	93.9
11	PFNA_2	375-95-1	3.31	462.8 / 219.0	122189	M5	2.396	0.352	0.341	Pass	95.8
12	PFDA	335-76-2	3.73	513.1 / 469.1	254123		1.907	0.173	0.215	Pass	76.3
13	PFDA_2	335-76-2	3.73	513.1 / 219.0	43872		1.749	0.173	0.215	Pass	70.0
14	PFUnA	2058-94-8	4.12	563.1 / 519.1	182084		1.365	0.145	0.151	Pass	54.6
15	PFUnA_2	2058-94-8	4.12	563.1 / 269.0	26322		1.325	0.145	0.151	Pass	53.0
16	PFDoA	307-55-1	4.50	613.1 / 569.1	193524		1.351	0.144	0.140	Pass	54.1
17	PFDoA_2	307-55-1	4.50	613.1 / 319.0	27844		1.384	0.144	0.140	Pass	55.4
18	PFTrDA	72629-94-8	4.88	663.1 / 619.1	169058		1.297	0.167	0.159	Pass	51.9
19	PFTrDA_2	72629-94-8	4.88	663.1 / 169.0	28292		1.402	0.167	0.159	Pass	56.1
20	PFTeDA	376-06-7	5.24	713.1 / 669.1	156769		1.431	0.163	0.159	Pass	57.2
21	PFTeDA_2	376-06-7	5.24	713.1 / 169.0	25590		1.461	0.163	0.159	Pass	58.4
22	PFBS	375-73-5	1.80	299.1 / 80.1	280136		1.959	0.392	0.398	Pass	88.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	1.80	299.1 / 99.1	109754		2.203	0.392	0.398	Pass	93.7
24	PFPeS	2706-91-4	2.44	349.1 / 80.1	292977		2.206	0.332	0.285	Pass	93.9
25	PFPeS_2	2706-91-4	2.44	349.1 / 99.1	97293		2.341	0.332	0.285	Pass	99.6
26	PFHxS	355-46-4	2.97	399.1 / 80.1	273399	M5	2.144	0.292	0.293	Pass	94.0
27	PFHxS_2	355-46-4	2.97	399.1 / 99.1	79962	M5	2.181	0.292	0.293	Pass	95.7
28	PFHpS	375-92-8	3.43	449.1 / 80.1	259839		2.668	0.300	0.308	Pass	112.1
29	PFHpS_2	375-92-8	3.43	449.1 / 99.1	78062		2.744	0.300	0.308	Pass	115.3
30	PFOS	1763-23-1	3.86	499.1 / 80.1	222616	M5	1.970	0.224	0.241	Pass	84.9
31	PFOS_2	1763-23-1	3.86	499.1 / 99.1	49828	M5	1.820	0.224	0.241	Pass	78.4
32	PFNS	68259-12-1	4.27	549.1 / 80.1	110543		1.359	0.286	0.299	Pass	56.6
33	PFNS_2	68259-12-1	4.27	549.1 / 99.1	31651		1.335	0.286	0.299	Pass	55.6
34	PFDS	335-77-3	4.66	599.1 / 80.1	86403		0.999	0.290	0.274	Pass	41.5
35	PFDS_2	335-77-3	4.66	599.1 / 99.1	25045		1.014	0.290	0.274	Pass	42.1
36	PFDoS	79780-39-5	5.38	699.2 / 80.1	78783		1.047	0.251	0.247	Pass	43.3
37	PFDoS_2	79780-39-5	5.38	699.2 / 99.1	19769		1.025	0.251	0.247	Pass	42.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	1.61	327.1 / 307.1	280355		8.826	0.637	0.634	Pass	94.2
39	4:2FTS_2	757124-72-4	1.60	327.1 / 81.1	178526		8.892	0.637	0.634	Pass	94.9
40	6:2FTS	27619-97-2	2.70	427.2 / 407.2	249980		9.279	0.624	0.609	Pass	97.6
41	6:2FTS_2	27619-97-2	2.70	427.2 / 81.1	156068		9.325	0.624	0.609	Pass	98.1
42	8:2FTS	39108-34-4	3.55	527.2 / 507.2	112607		7.203	0.683	0.681	Pass	75.0
43	8:2FTS_2	39108-34-4	3.55	527.2 / 81.1	76870		7.588	0.683	0.681	Pass	79.0
44	PFOSA	754-91-6	5.17	498.1 / 78.1	172014	M5	1.374	0.025	0.024	Pass	55.0
45	PFOSA_2	754-91-6	5.16	498.1 / 478.0	4256	M5	1.378	0.025	0.024	Pass	55.1
46	NMeFOSA	31506-32-8	5.90	512.2 / 219.0	38098	M5	1.355	1.460	1.421	Pass	54.2
47	NMeFOSA_2	31506-32-8	5.85	512.2 / 169.0	55615	M5	1.375	1.460	1.421	Pass	55.0
48	NEtFOSA	4151-50-2	6.20	526.2 / 219.0	36129	M5	1.419	1.262	1.258	Pass	56.8
49	NEtFOSA_2	4151-50-2	6.15	526.2 / 169.0	45585	M5	1.385	1.262	1.258	Pass	55.4
50	NMeFOSAA	2355-31-9	3.86	570.2 / 419.1	14965	M5	1.319	0.839	0.683	Pass	52.8
51	NMeFOSAA_2	2355-31-9	3.86	570.2 / 483.0	12554	M5	1.580	0.839	0.683	Pass	63.2
52	NEtFOSAA	2991-50-6	4.08	584.2 / 419.1	18827	M5	1.850	0.521	0.571	Pass	74.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.08	584.2 / 526.2	9810	M5	1.659	0.521	0.571	Pass	66.4
54	NMeFOSE	24448-09-7	5.77	616.1 / 58.9	523751	M5	12.677	N/A	N/A	N/A	50.7
55	NEtFOSE	1691-99-2	6.07	630.0 / 58.9	752112	M5	13.832	N/A	N/A	N/A	55.3
56	HFPO-DA	13252-13-6	2.02	285.0 / 169.0	1212077		10.054	0.564	0.510	Pass	100.5
57	HFPO-DA_2	13252-13-6	2.02	285.0 / 184.9	683438		10.570	0.564	0.510	Pass	105.7
58	ADONA	919005-14-4	2.57	376.9 / 251.0	1949867		10.478	0.846	0.636	Pass	110.9
59	ADONA_2	919005-14-4	2.57	376.9 / 84.8	1649867		11.660	0.846	0.636	Pass	123.4
60	9Cl-PF3ONS	756426-58-1	4.14	530.8 / 351.1	1477508		7.261	0.333	0.326	Pass	77.8
61	9Cl-PF3ONS_2	756426-58-1	4.14	532.8 / 353.0	491923		7.232	0.333	0.326	Pass	77.5
62	11Cl-PF3OUdS	763051-92-9	4.92	630.9 / 451.0	881408		4.891	0.325	0.318	Pass	51.9
63	11Cl-PF3OUdS_2	763051-92-9	4.92	632.9 / 452.9	286528		4.965	0.325	0.318	Pass	52.7
64	3:3FTCA	356-02-5	1.57	241.1 / 177.1	129121		15.562	0.986	1.068	Pass	124.5
65	3:3FTCA_2	356-02-5	1.57	241.1 / 117.0	127271	M3	14.311	0.986	1.068	Pass	114.5
66	5:3FTCA	914637-49-3	2.95	341.1 / 237.1	2161554		64.760	1.065	1.045	Pass	103.6
67	5:3FTCA_2	914637-49-3	2.95	341.1 / 217.0	2301266		67.430	1.065	1.045	Pass	107.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	3.97	441.1 / 316.9	1105974		37.459	1.392	1.285	Pass	59.9
69	7:3FTCA_2	812-70-4	3.97	441.1 / 337.1	1539290		40.197	1.392	1.285	Pass	64.3
70	PFEESA	113507-82-7	2.10	315.1 / 135.0	1794211		4.899	0.082	0.081	Pass	109.9
71	PFEESA_2	113507-82-7	2.10	315.1 / 82.9	146280		4.922	0.082	0.081	Pass	110.4
72	PFMPA	377-73-1	0.70	229.0 / 85.0	521751		5.218	N/A	N/A	N/A	104.4
73	PFMBA	863090-89-5	1.33	279.0 / 85.0	622044		4.751	N/A	N/A	N/A	95.0
74	NFDHA	151772-58-6	1.73	295.0 / 201.0	446094		5.799	0.744	0.681	Pass	116.0
75	NFDHA_2	151772-58-6	1.73	295.0 / 84.9	331803		5.988	0.744	0.681	Pass	119.8
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	5.357	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	5.357	N/A	N/A
78	13C2D4-4:2FTS	Surr	N/A	333.2 / 312.1	N/A		N/A	N/A	N/A	N/A	N/A
79	13C2-PFOA	Surr	N/A	415.0 / 370.0	N/A		N/A	N/A	N/A	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.55	217.0 / 172.0	1129861		8.997	NA	NA	NA	90.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.07	268.0 / 223.0	587530		4.847	NA	NA	NA	96.9
	13C5-PFHxA	EIS	1.80	318.0 / 273.0	277537		2.170	NA	NA	NA	86.8
	13C4-PFHpA	EIS	2.38	367.0 / 322.0	235626		2.207	NA	NA	NA	88.3
	13C8-PFOA	EIS	2.87	420.8 / 376.0	514633		2.225	NA	NA	NA	89.0
	13C9-PFNA	EIS	3.31	472.0 / 427.0	208528		1.089	NA	NA	NA	87.1
	13C6-PFDA	EIS	3.72	519.0 / 474.0	196678		0.936	NA	NA	NA	74.8
	13C7-PFUnA	EIS	4.12	570.0 / 525.0	204995		0.878	NA	NA	NA	70.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.50	615.1 / 570.0	203867		0.818	NA	NA	NA	65.4
	13C2-PFTeDA	EIS	5.23	715.1 / 670.1	138750		0.750	NA	NA	NA	60.0
	13C3-PFBS	EIS	1.80	302.1 / 80.1	332747		2.222	NA	NA	NA	95.4
	13C3-PFHxS	EIS	2.96	402.1 / 80.1	293941		2.216	NA	NA	NA	93.5
	13C8-PFOS	EIS	3.86	507.1 / 80.1	256608		1.903	NA	NA	NA	79.3
	13C2-4:2FTS	EIS	1.60	329.1 / 81.1	94786		4.556	NA	NA	NA	97.1
	13C2-6:2FTS	EIS	2.69	429.2 / 81.1	82021		4.441	NA	NA	NA	93.3
	13C2-8:2FTS	EIS	3.54	529.2 / 81.1	60074		2.748	NA	NA	NA	57.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	5.16	506.1 / 78.1	398252		1.739	NA	NA	NA	69.6
	d3-NMeFOSA	EIS	5.89	515.2 / 219.0	65141		1.738	NA	NA	NA	69.5
	d5-NEtFOSA	EIS	6.18	531.2 / 219.0	57204		1.682	NA	NA	NA	67.3
	d3-NMeFOSAA	EIS	3.86	573.2 / 419.1	71513		3.072	NA	NA	NA	61.4
	d5-NEtFOSAA	EIS	4.07	589.3 / 419.1	53959		2.352	NA	NA	NA	47.0
	d7-NMeFOSE	EIS	5.74	623.2 / 58.9	479127		19.731	NA	NA	NA	78.9
	d9-NEtFOSE	EIS	6.04	639.2 / 58.9	630224		19.287	NA	NA	NA	77.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.02	287.0 / 169.0	1264409		10.123	NA	NA	NA	101.2
	13C3-PFBA	NIS	0.55	216.0 / 172.0	547443		4.317	NA	NA	NA	86.3
	13C2-PFHxA	NIS	1.80	315.0 / 270.0	354854		2.383	NA	NA	NA	95.3
	13C4-PFOA	NIS	2.87	417.0 / 372.0	368775		2.558	NA	NA	NA	102.3
	13C5-PFNA	NIS	3.31	468.0 / 423.0	238466		1.168	NA	NA	NA	93.4
	13C2-PFDA	NIS	3.72	515.1 / 470.1	249570		1.183	NA	NA	NA	94.7
	18O2-PFHxS	NIS	2.96	403.1 / 84.1	277020		2.374	NA	NA	NA	100.2
	13C4-PFOS	NIS	3.86	503.1 / 80.1	268572		2.140	NA	NA	NA	89.2

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Alpha Analytical LLC
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	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec

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PFBA
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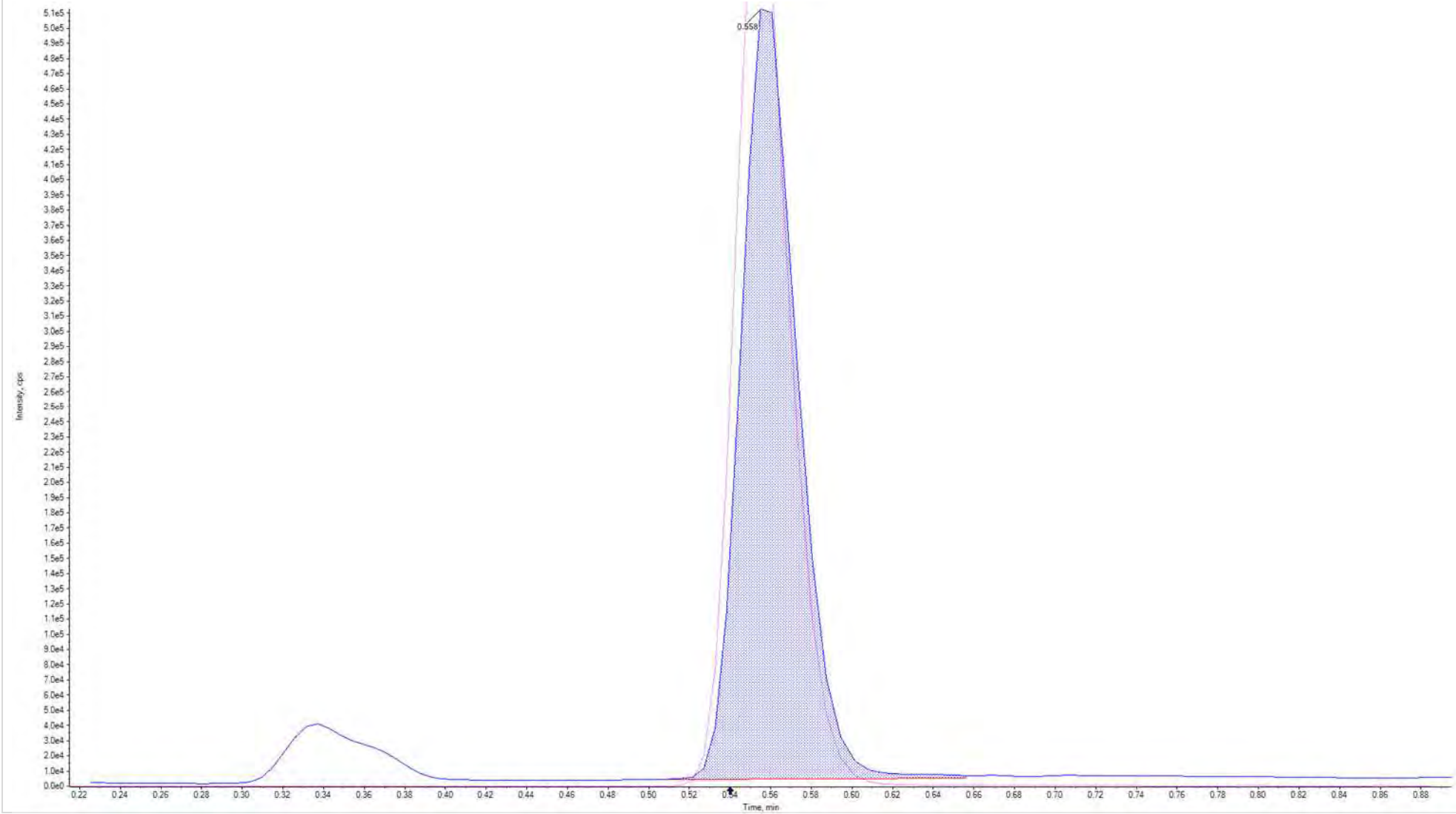

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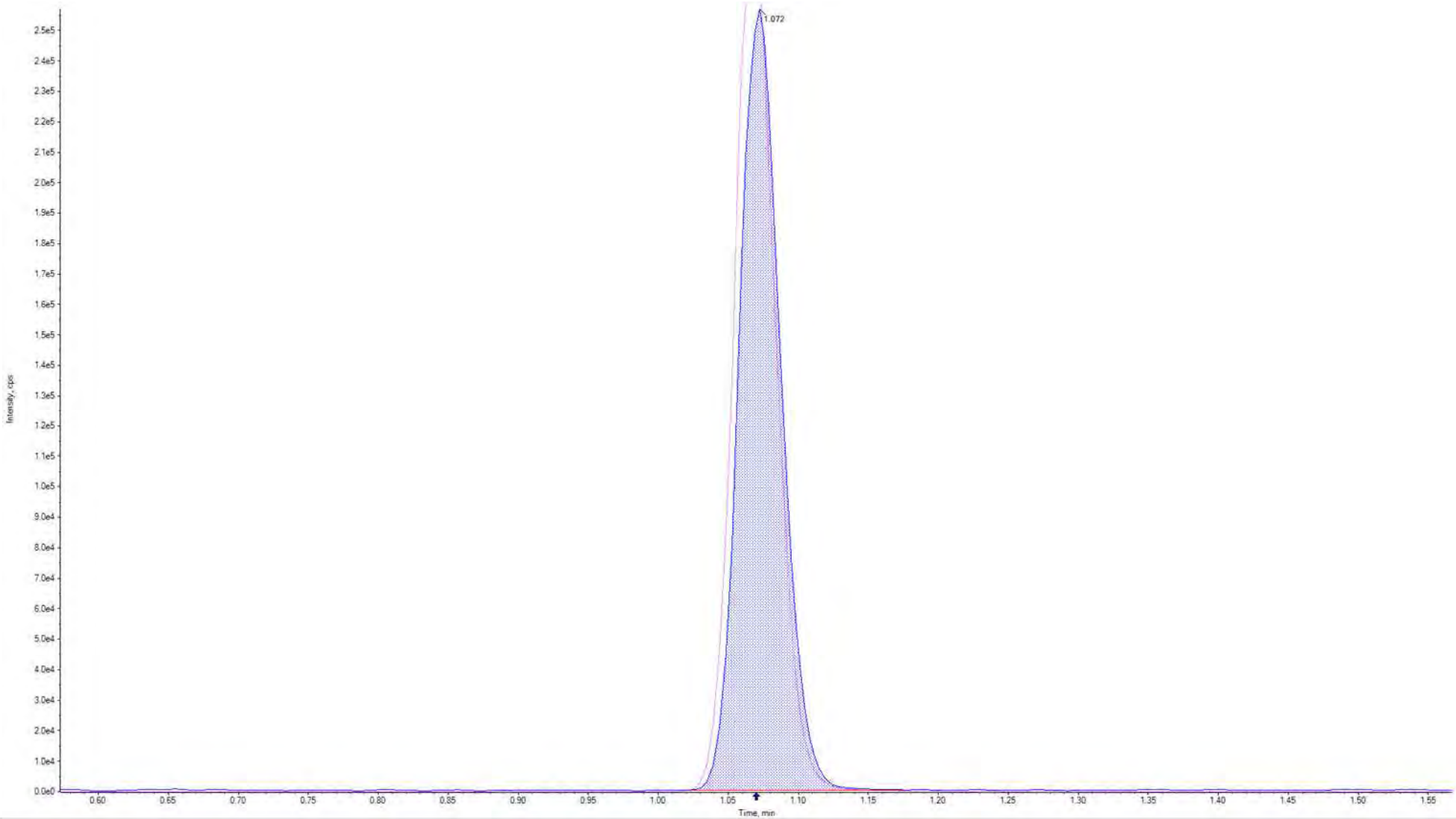
PFPeA
Sample: WG2012727-4 S/N:2115.6 Points Across peak:46



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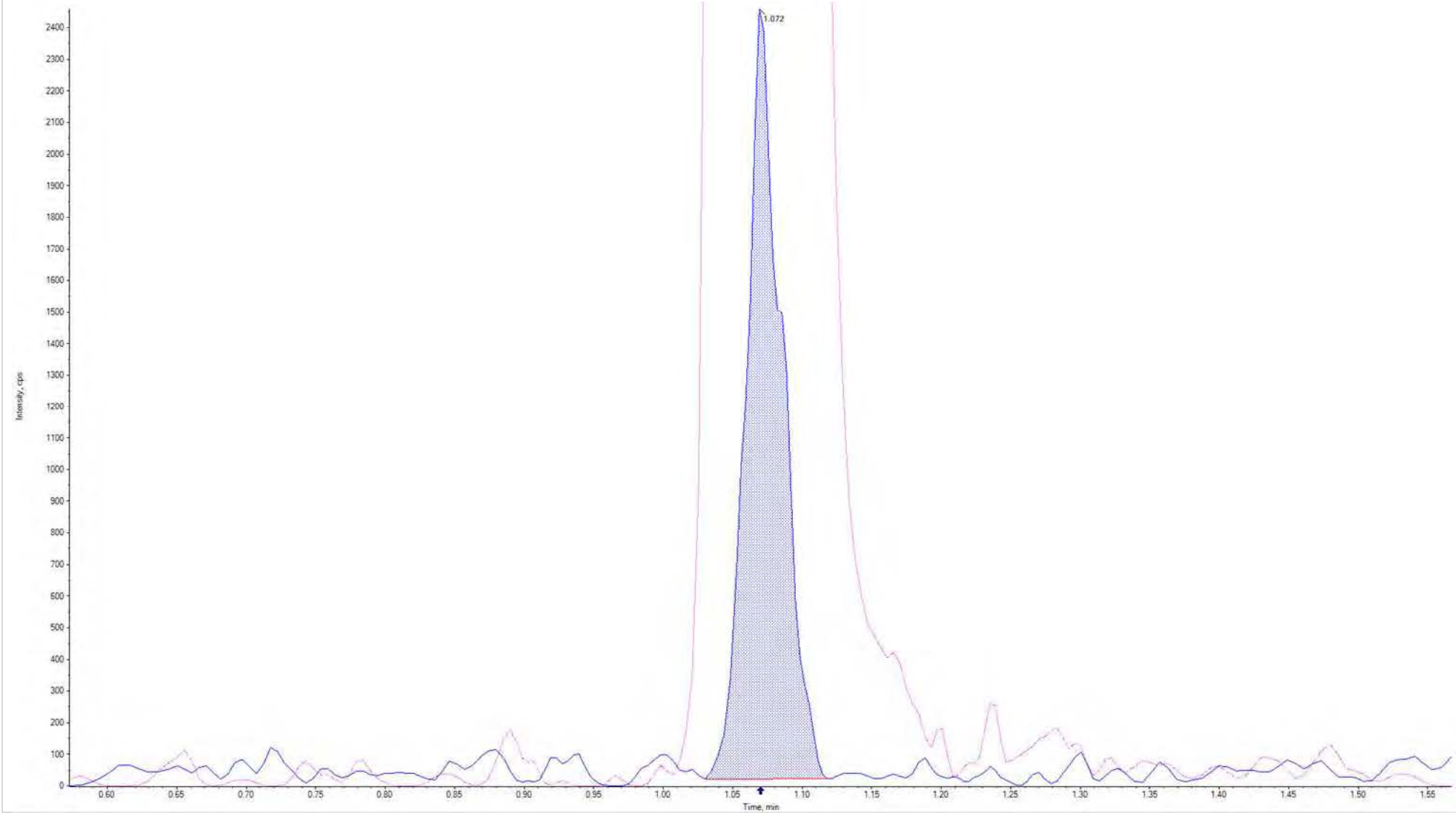
PFPeA_2
Sample: WG2012727-4 S/N:146.6 Points Across peak:27



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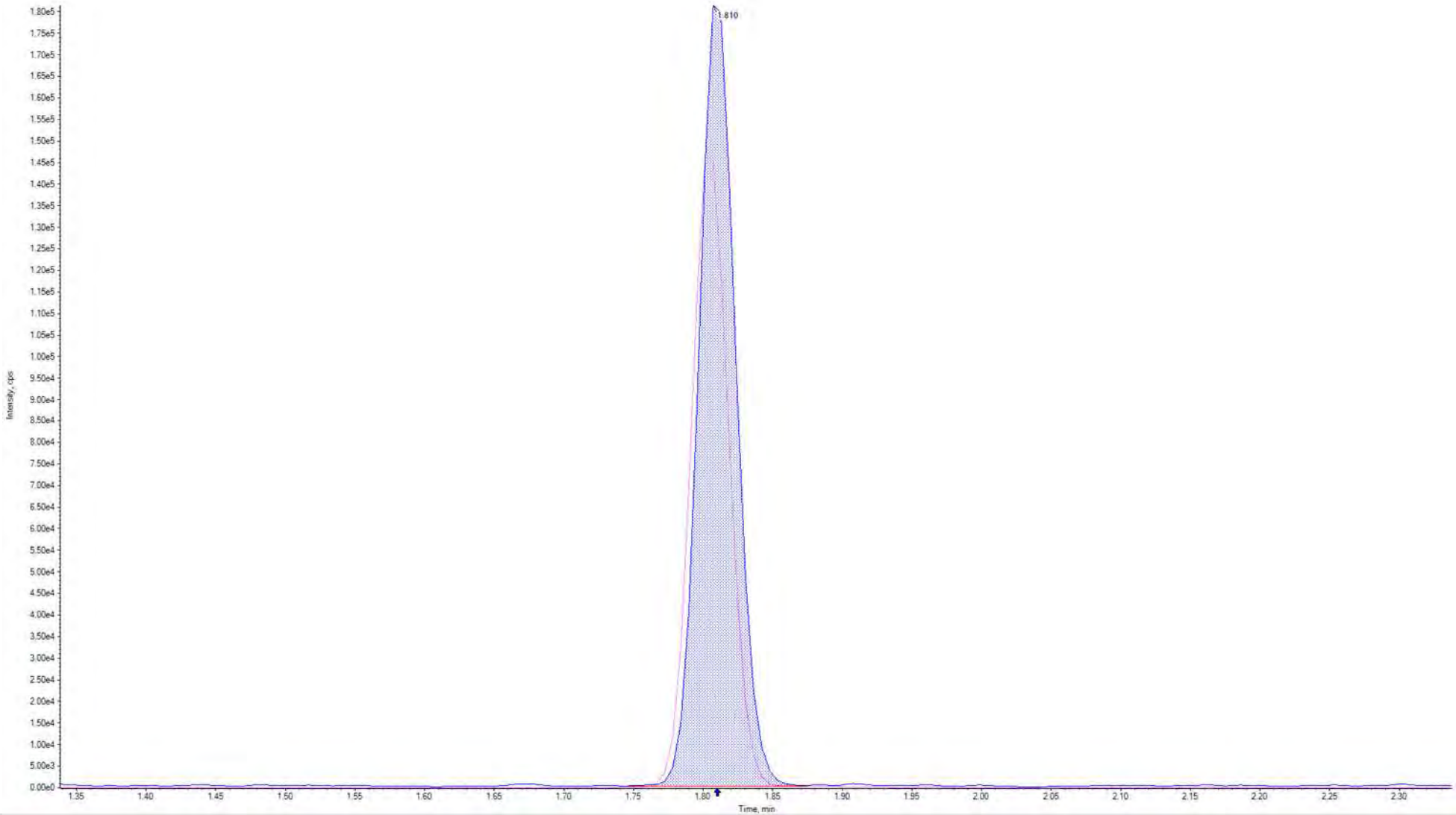
PFHxA
Sample: WG2012727-4 S/N:1735.9 Points Across peak:24



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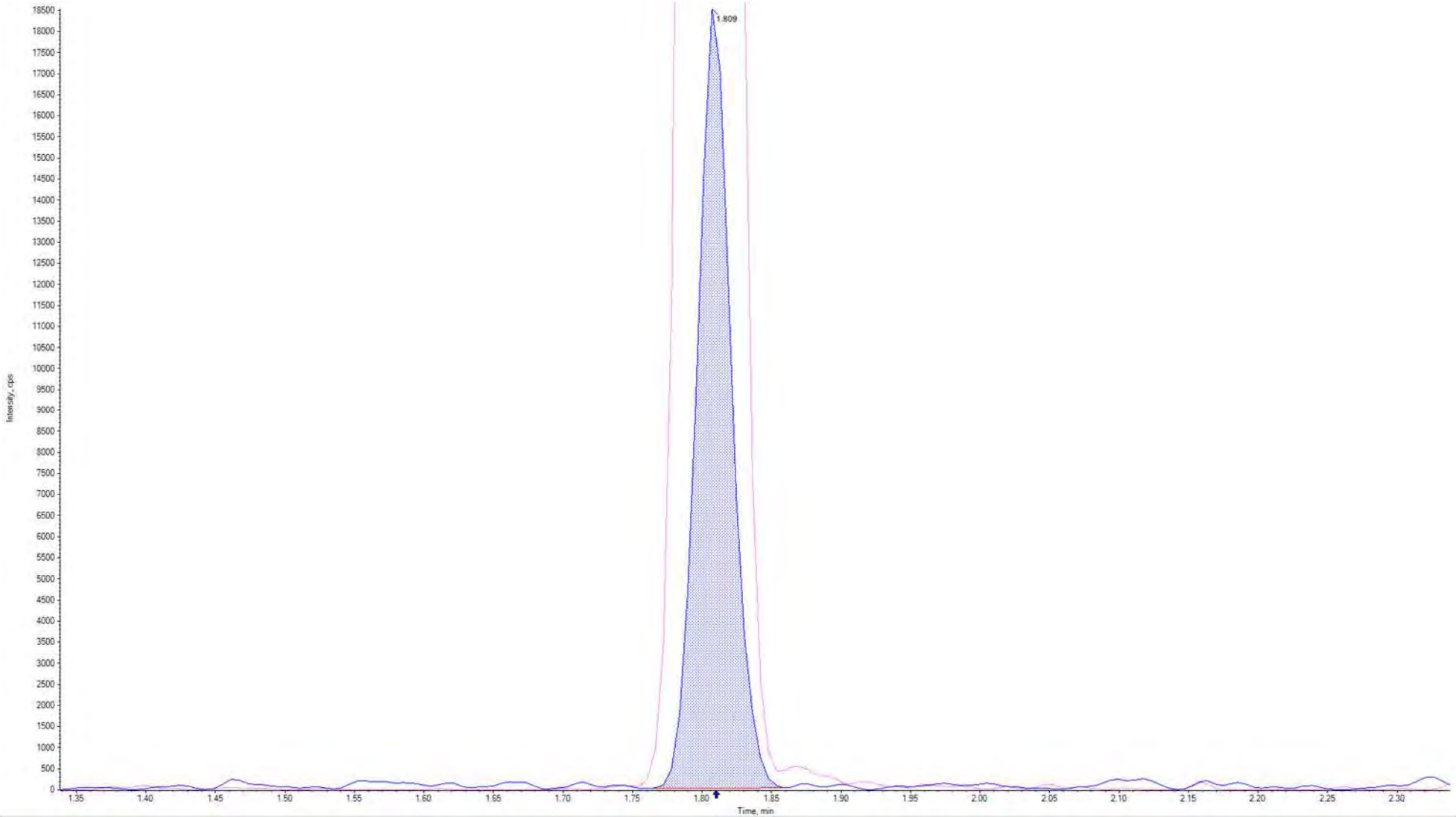
PFHxA_2
Sample: WG2012727-4 S/N:463.6 Points Across peak:18



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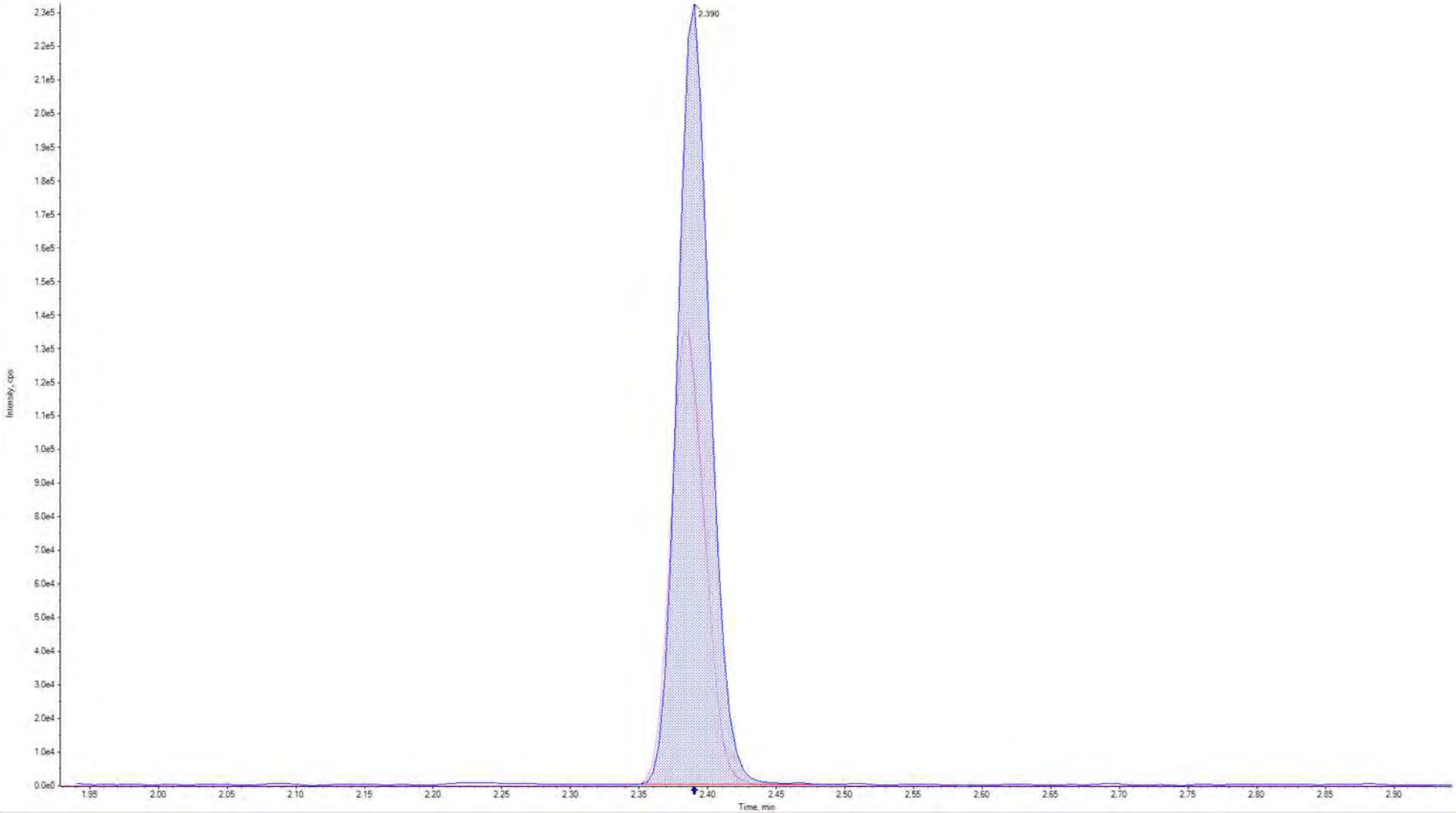
PFHpA
Sample: WG2012727-4 S/N:2822.3 Points Across peak:30



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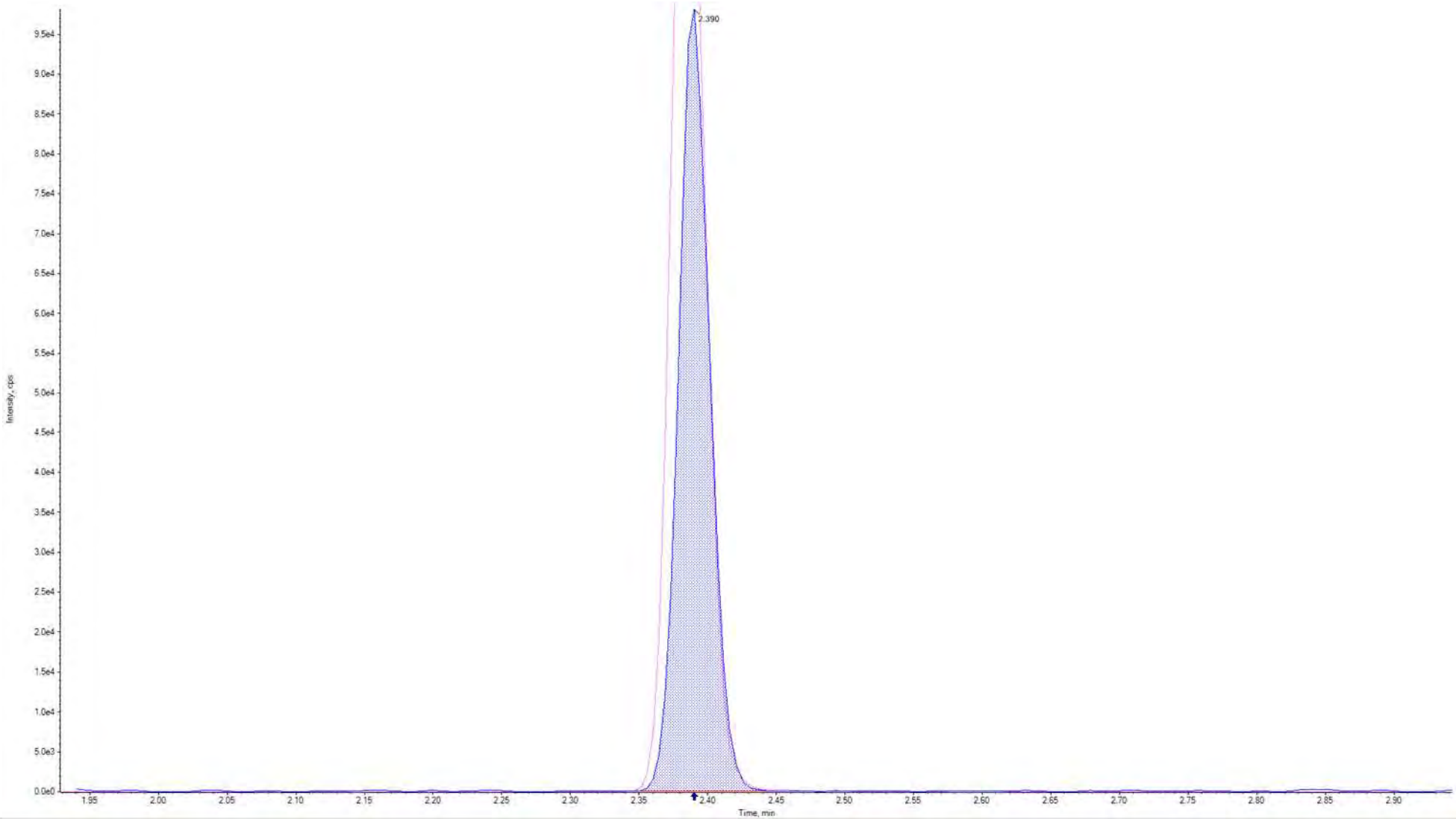
PFHpA_2
Sample: WG2012727-4 S/N:1966.4 Points Across peak:24



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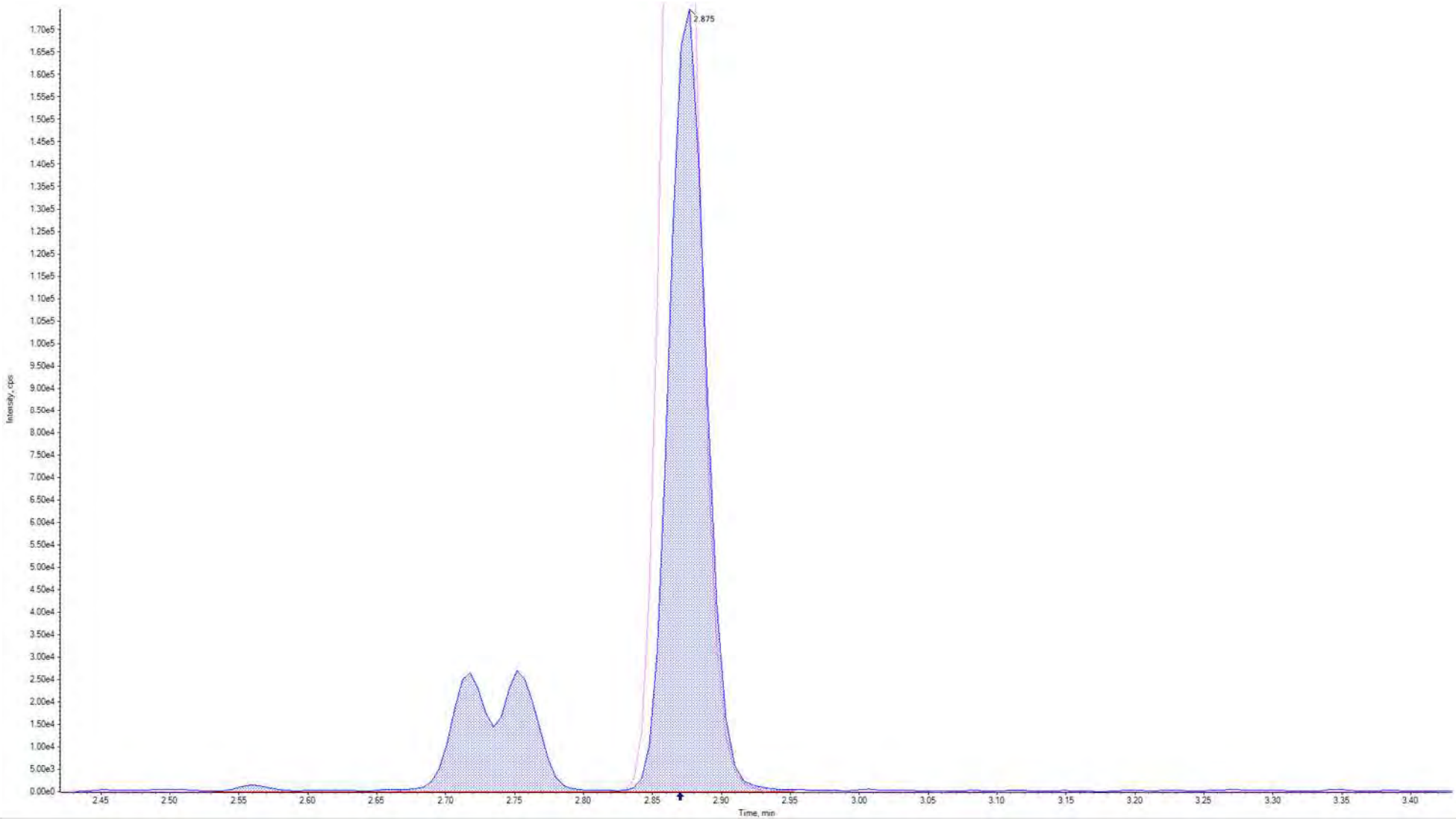
PFOA
Sample: WG2012727-4 S/N:589.0 Points Across peak:73



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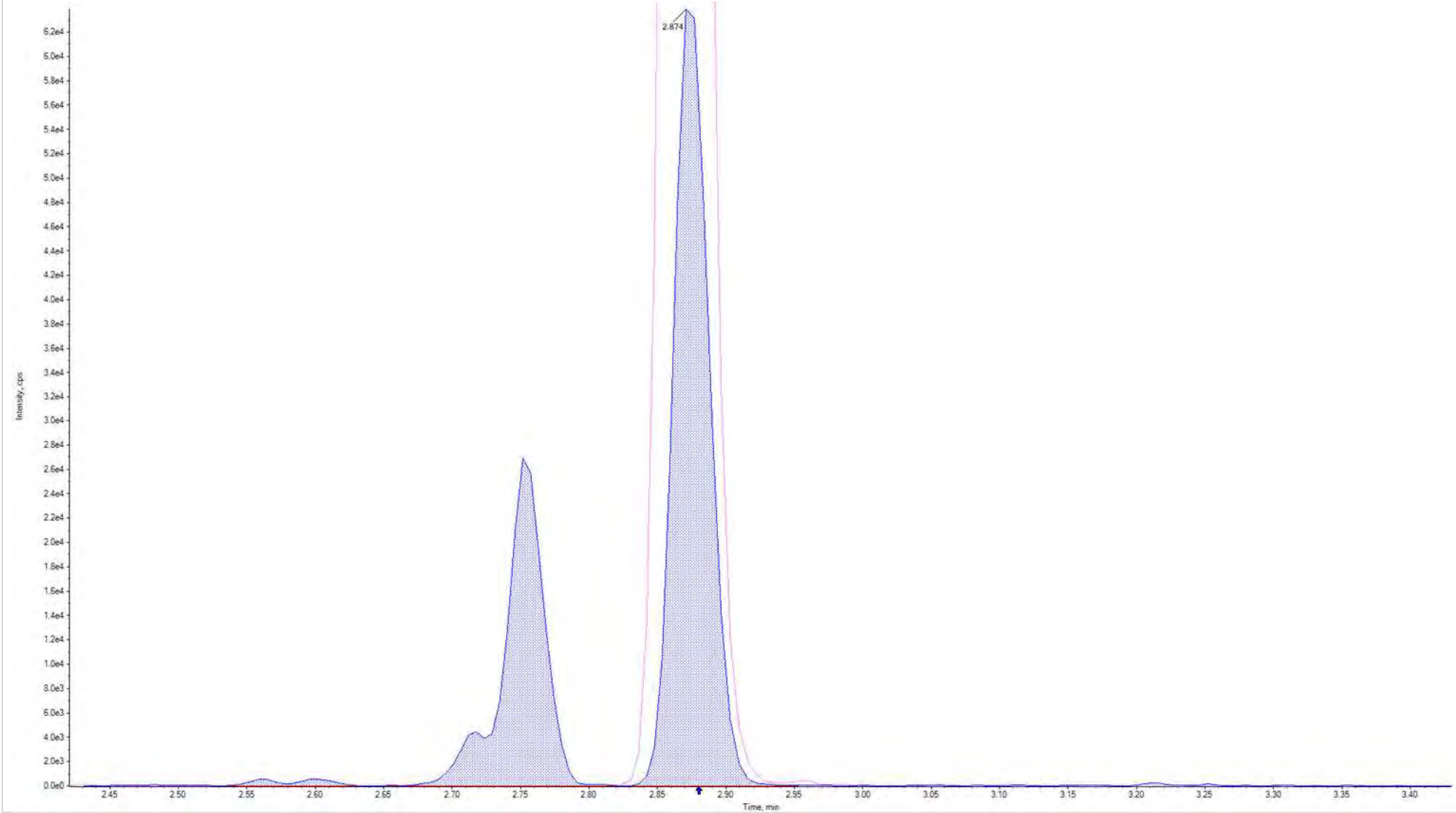
PFOA_2
Sample: WG2012727-4 S/N:543.8 Points Across peak:73



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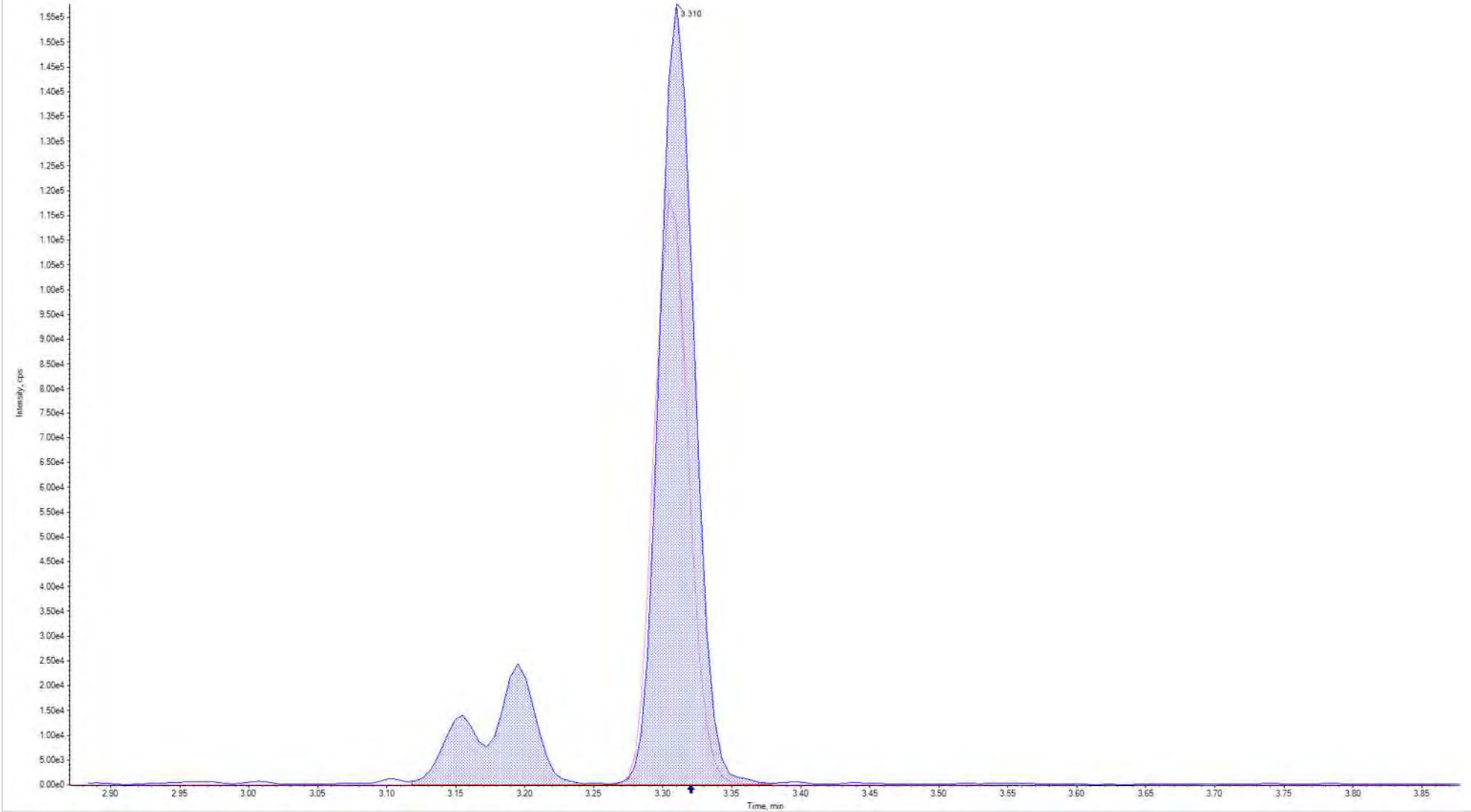
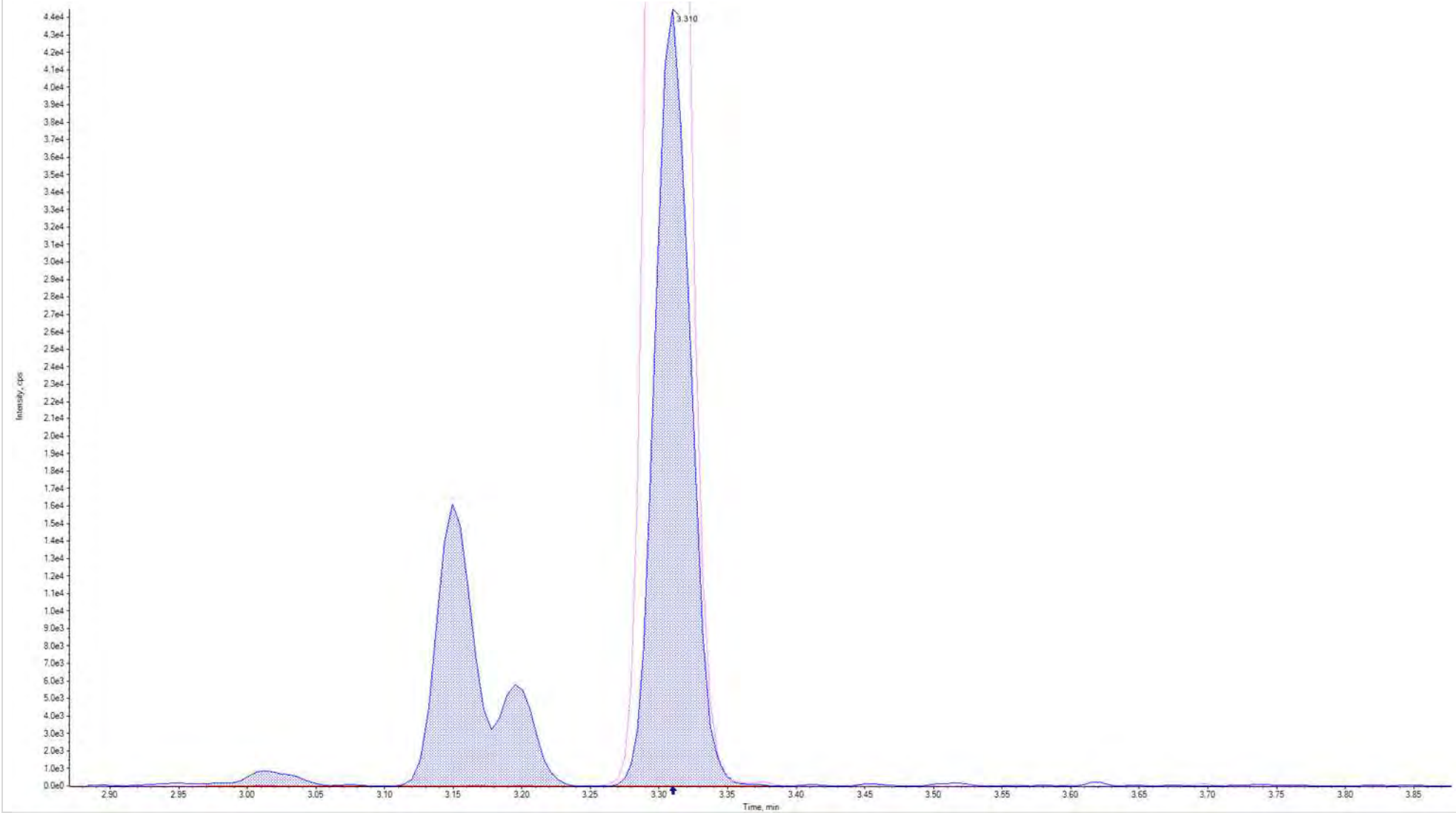
Generated: 12/23/2024 2:36:12 PM

PFNA
Sample: WG2012727-4 S/N:527.6 Points Across peak:51



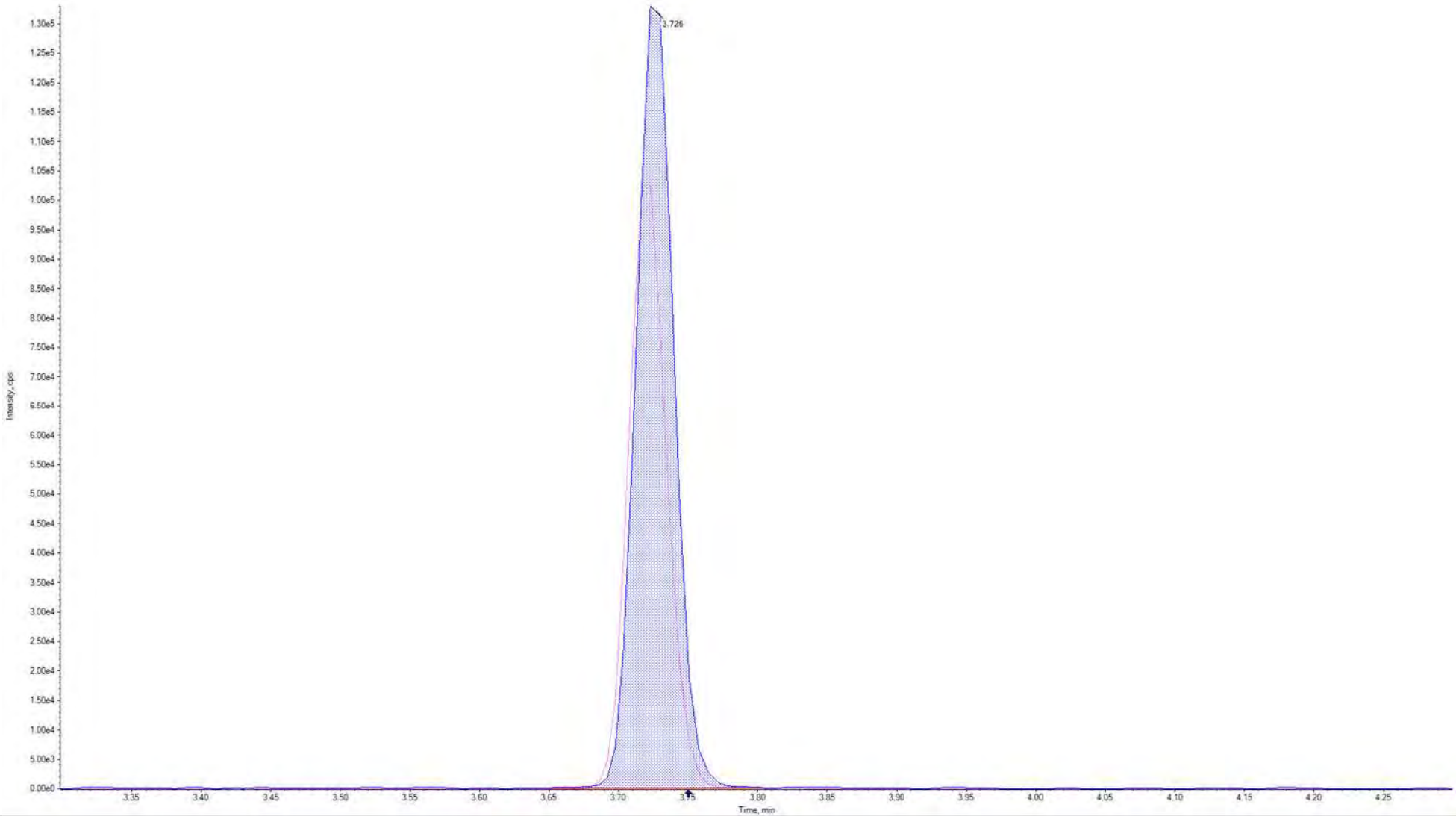
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFNA_2
Sample: WG2012727-4 S/N:437.6 Points Across peak:78



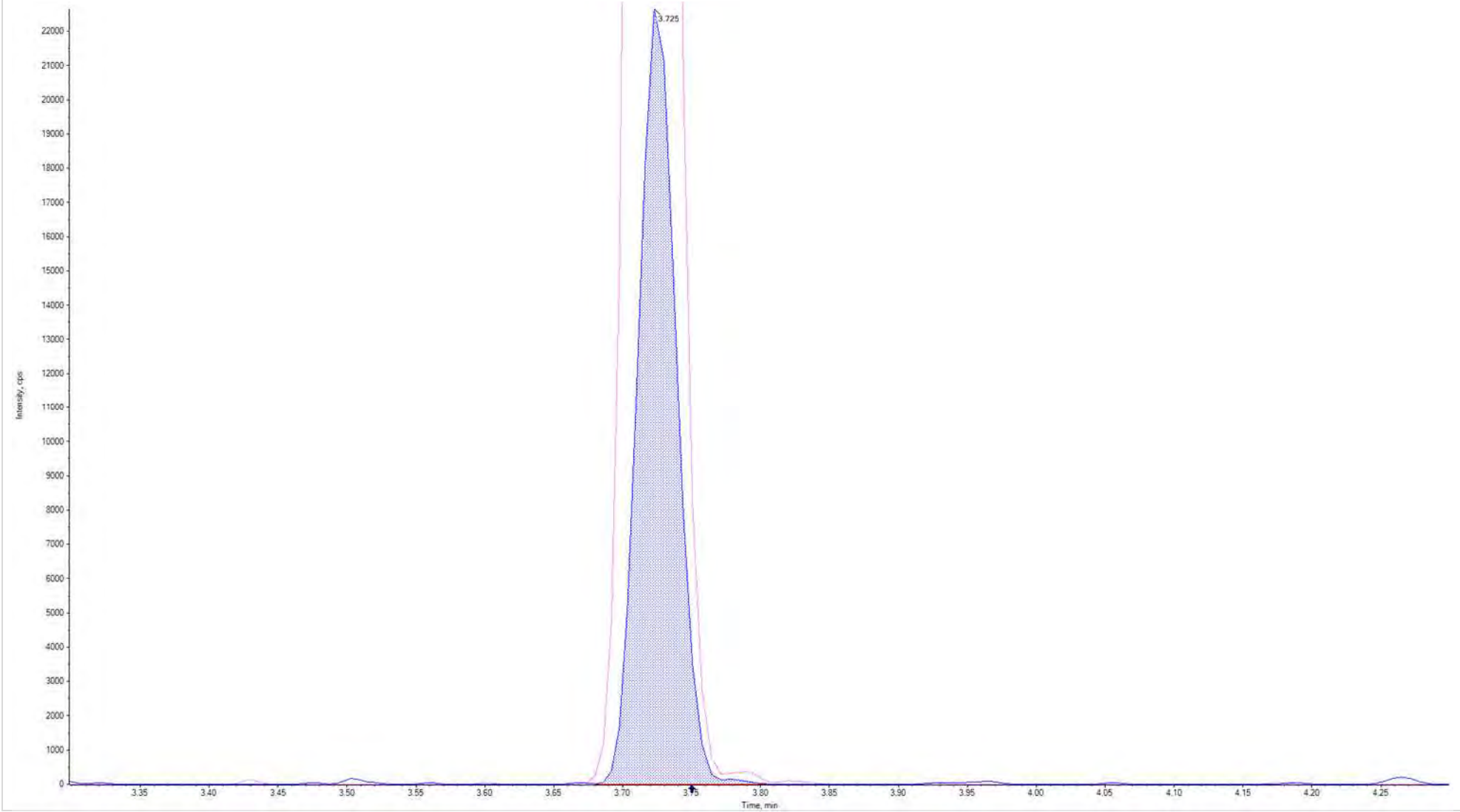
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFDA
Sample: WG2012727-4 S/N:2665.3 Points Across peak:28



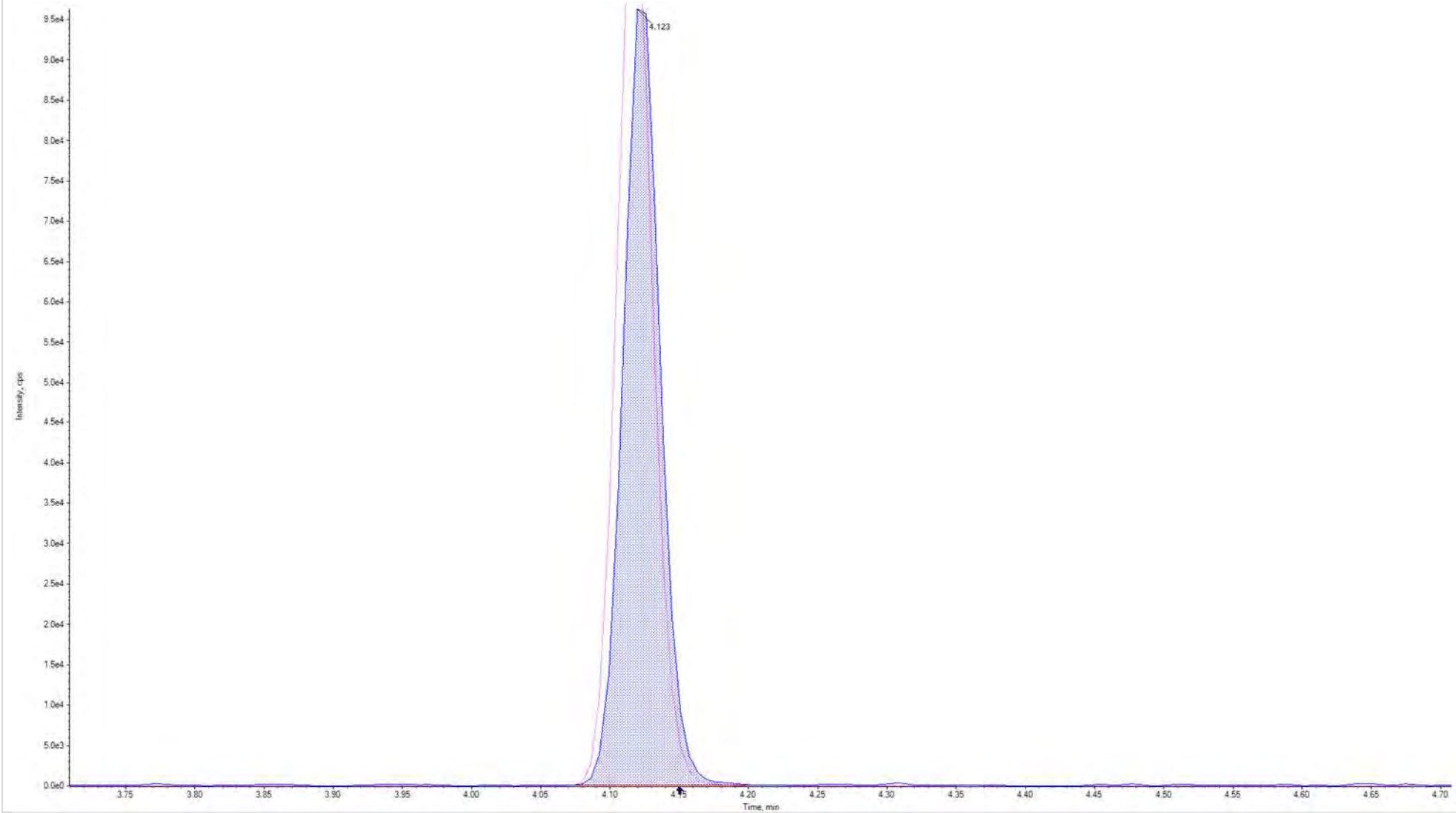
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFDA_2
Sample: WG2012727-4 S/N:454.2 Points Across peak:26



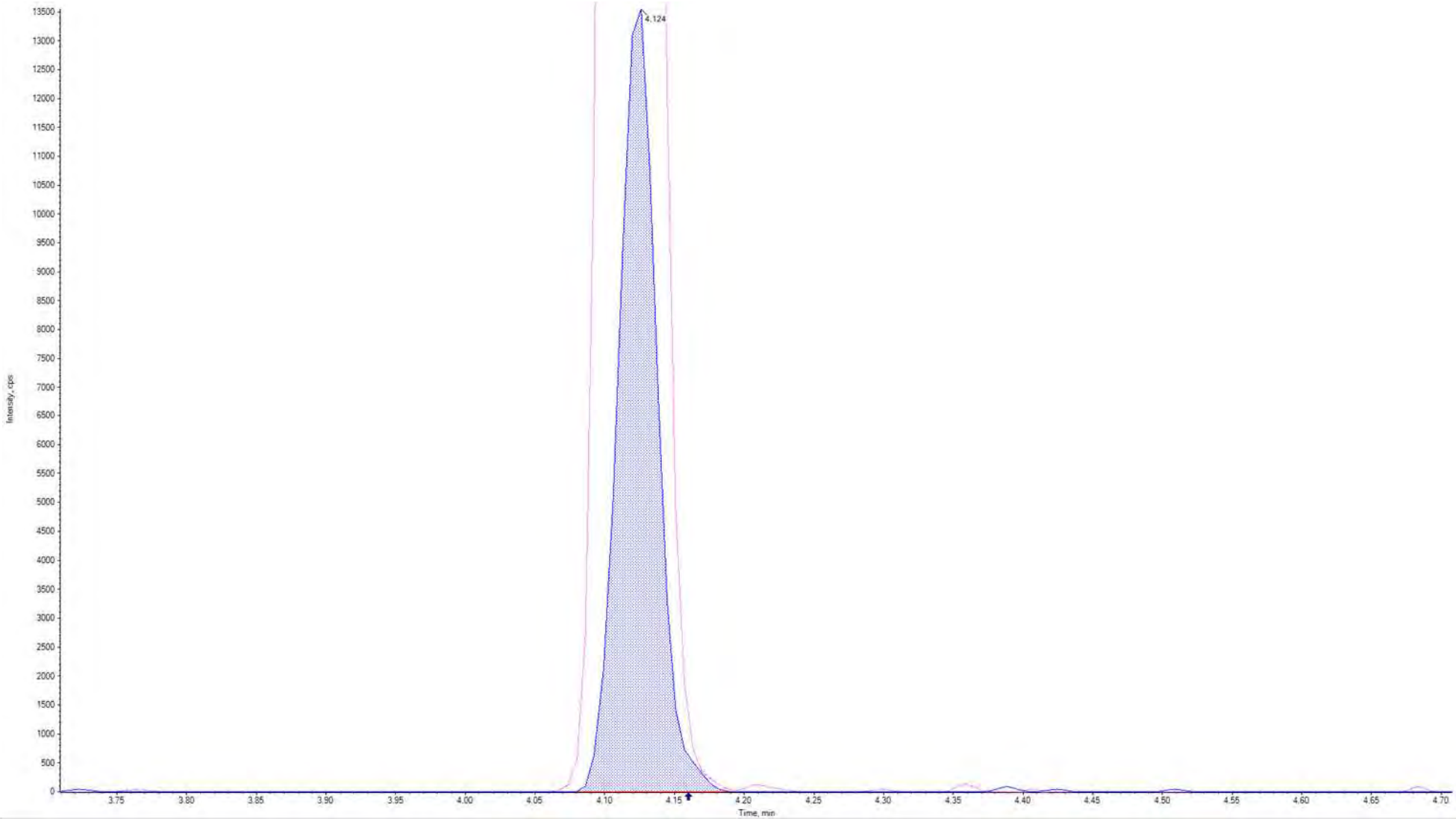
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFUnA
Sample: WG2012727-4 S/N:2170.9 Points Across peak:26



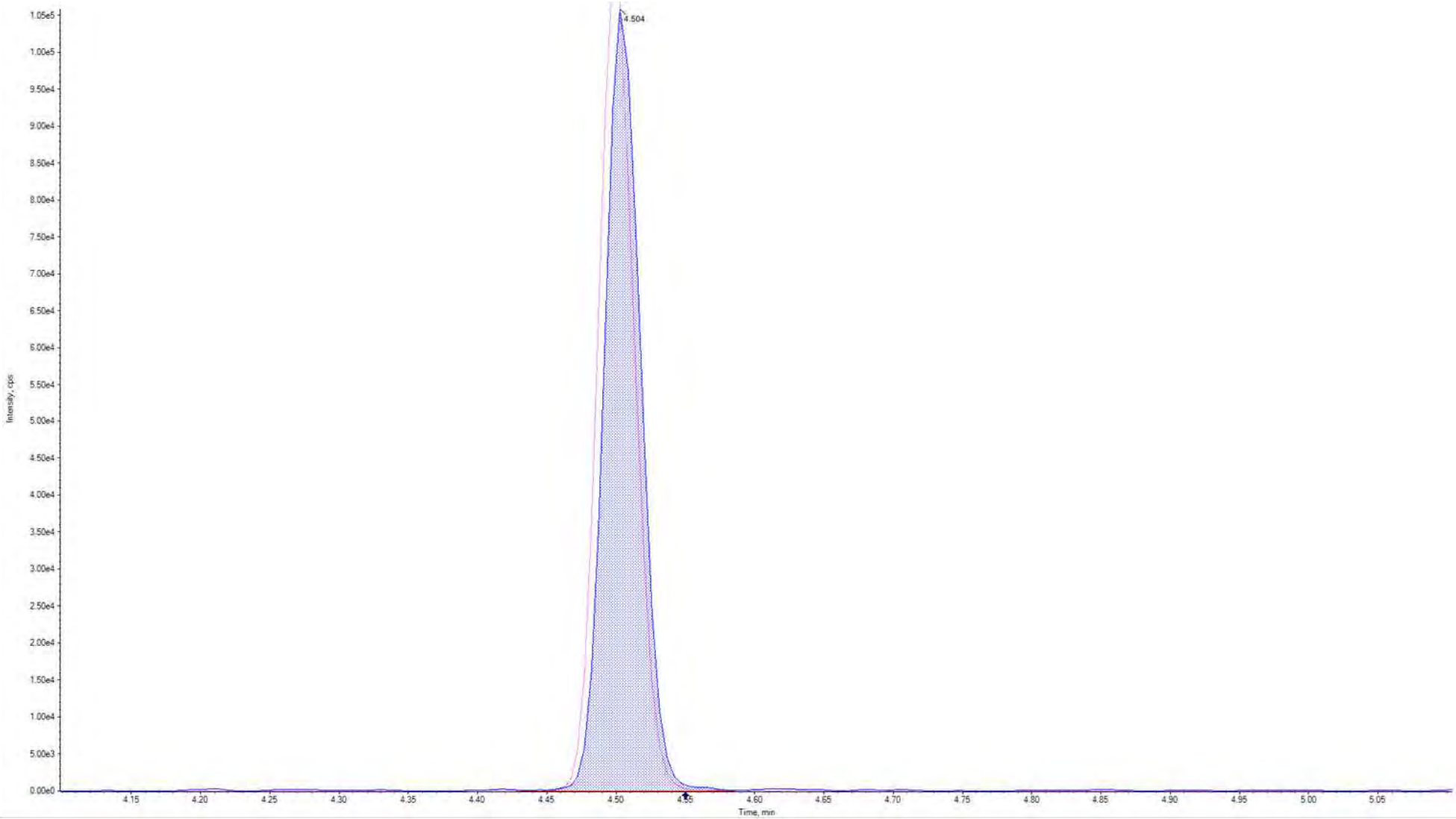
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFUnA_2
Sample: WG2012727-4 S/N:305.6 Points Across peak:29



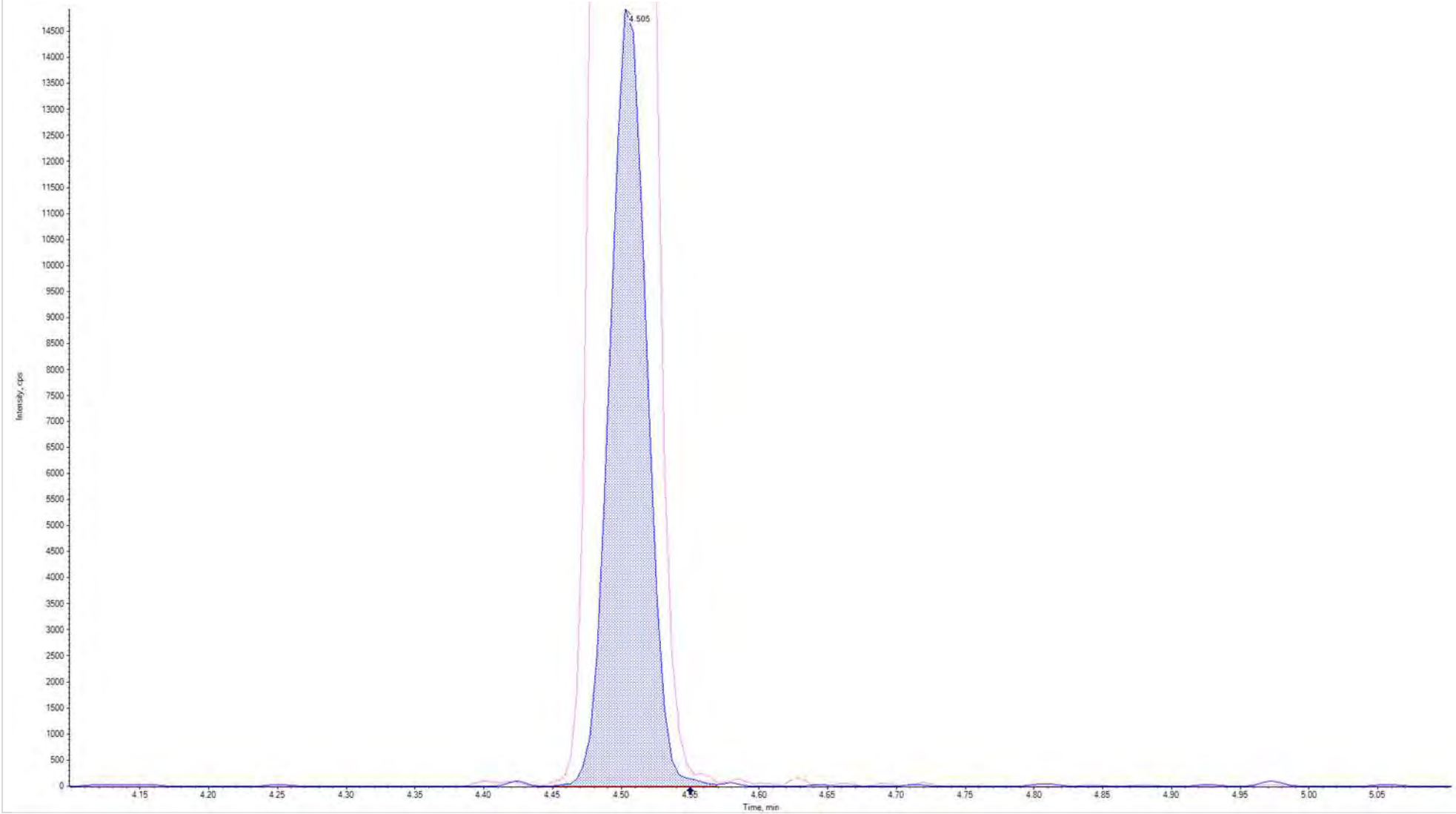
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFDoA
Sample: WG2012727-4 S/N:2918.2 Points Across peak:31



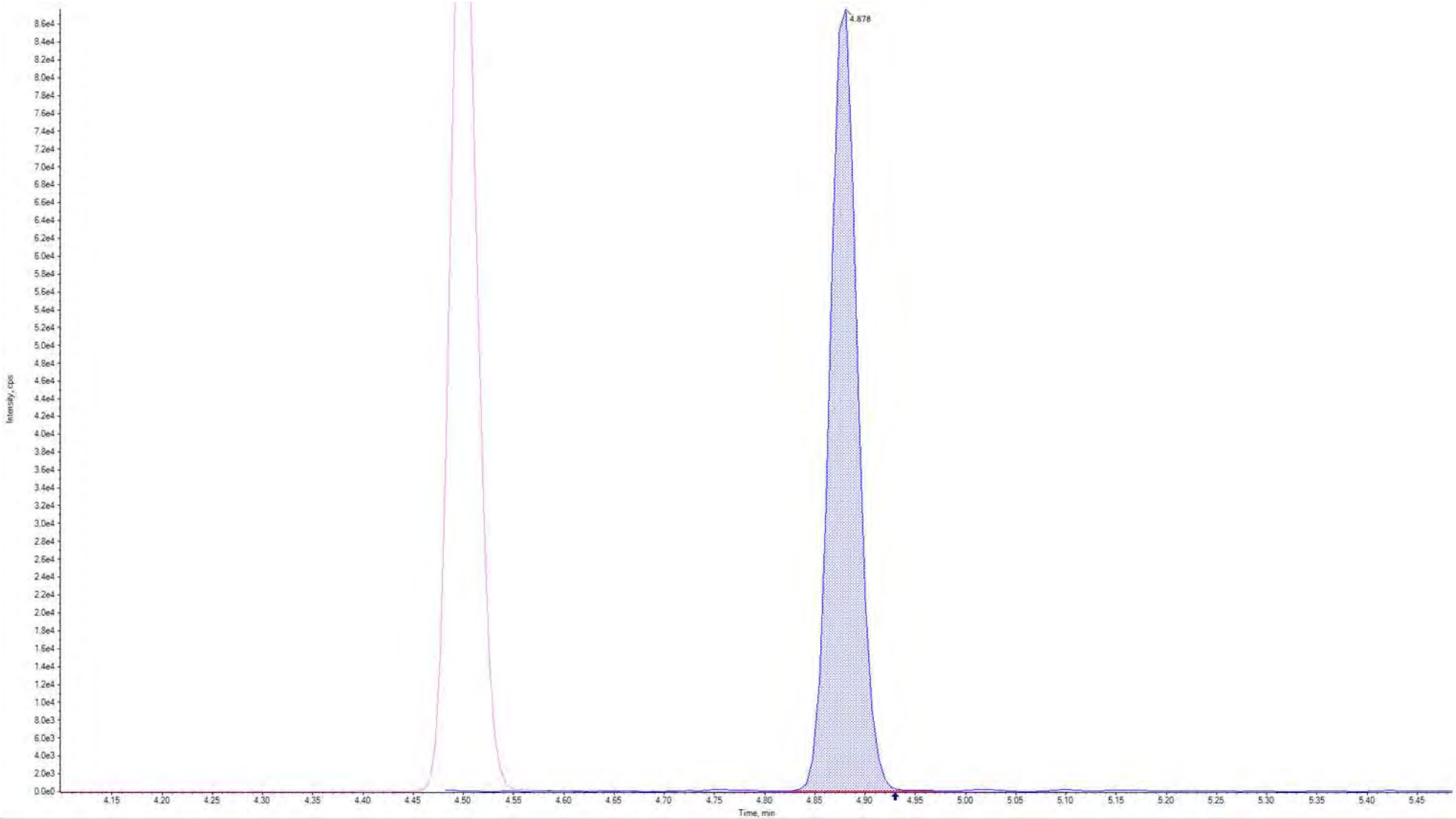
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFDoA_2
Sample: WG2012727-4 S/N:411.5 Points Across peak:25



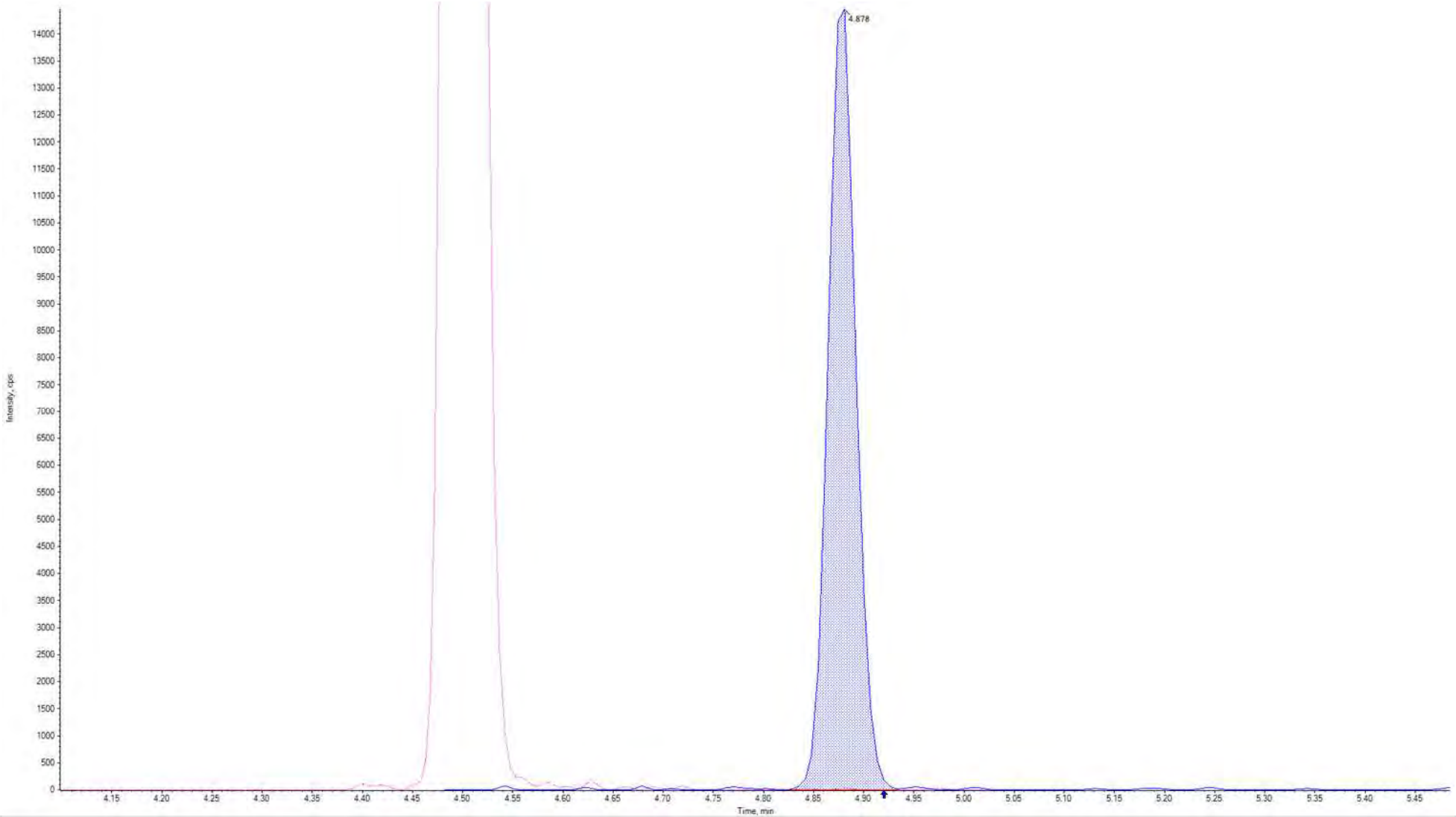
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFTrDA
Sample: WG2012727-4 S/N:3513.4 Points Across peak:26



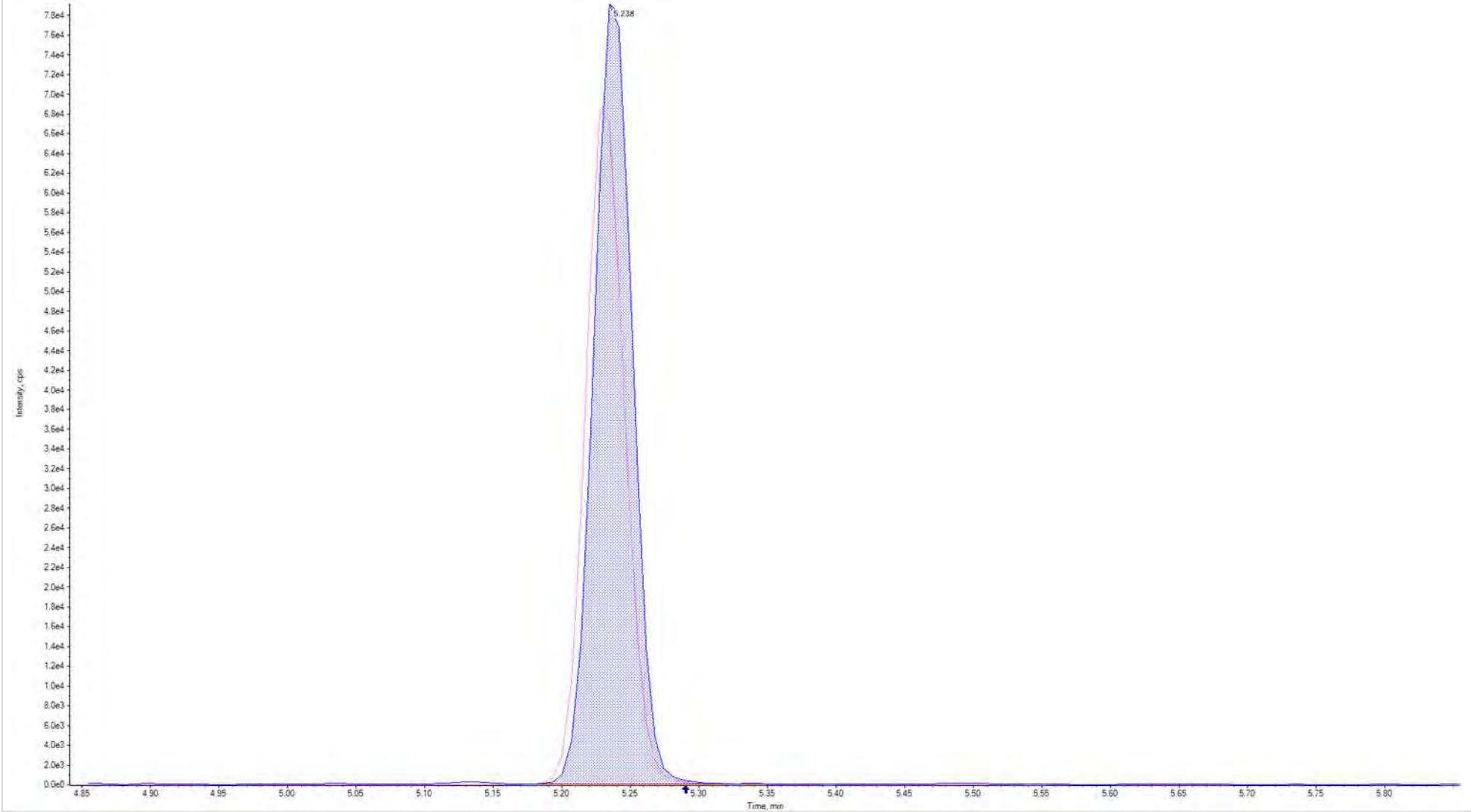
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFTrDA_2
Sample: WG2012727-4 S/N:579.9 Points Across peak:19



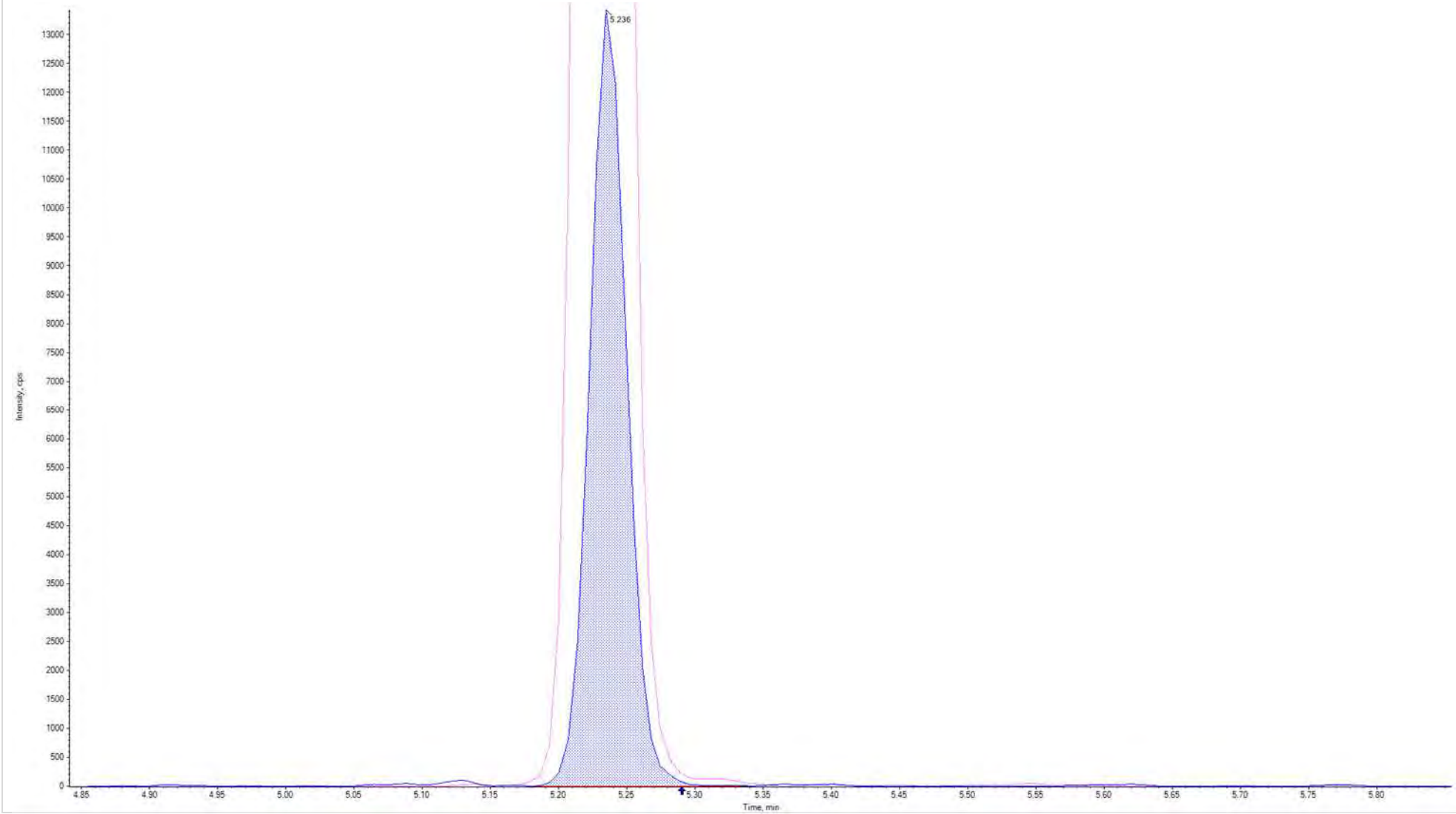
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFTeDA
Sample: WG2012727-4 S/N:3121.9 Points Across peak:28



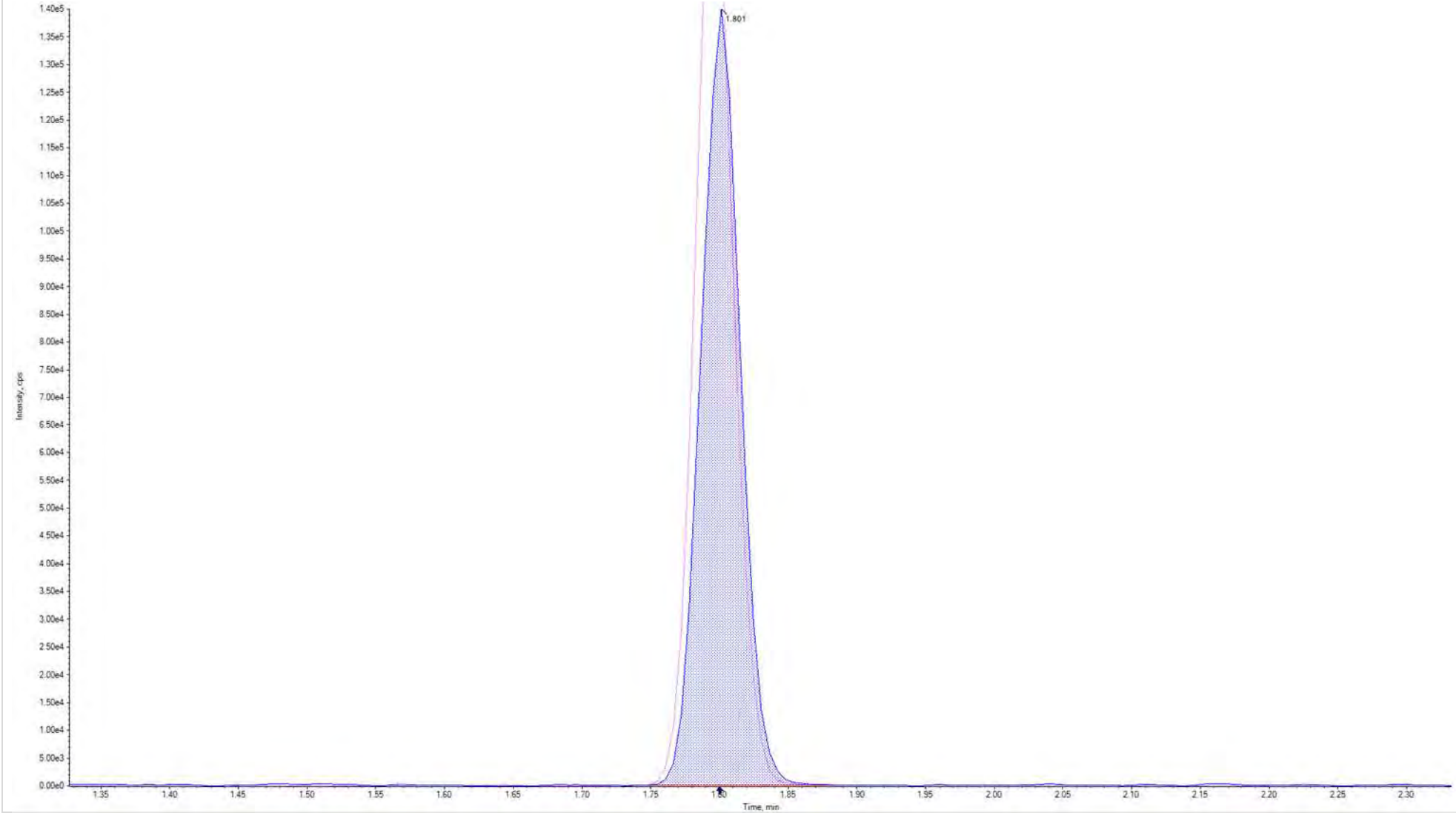
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFTeDA_2
Sample: WG2012727-4 S/N:841.2 Points Across peak:24



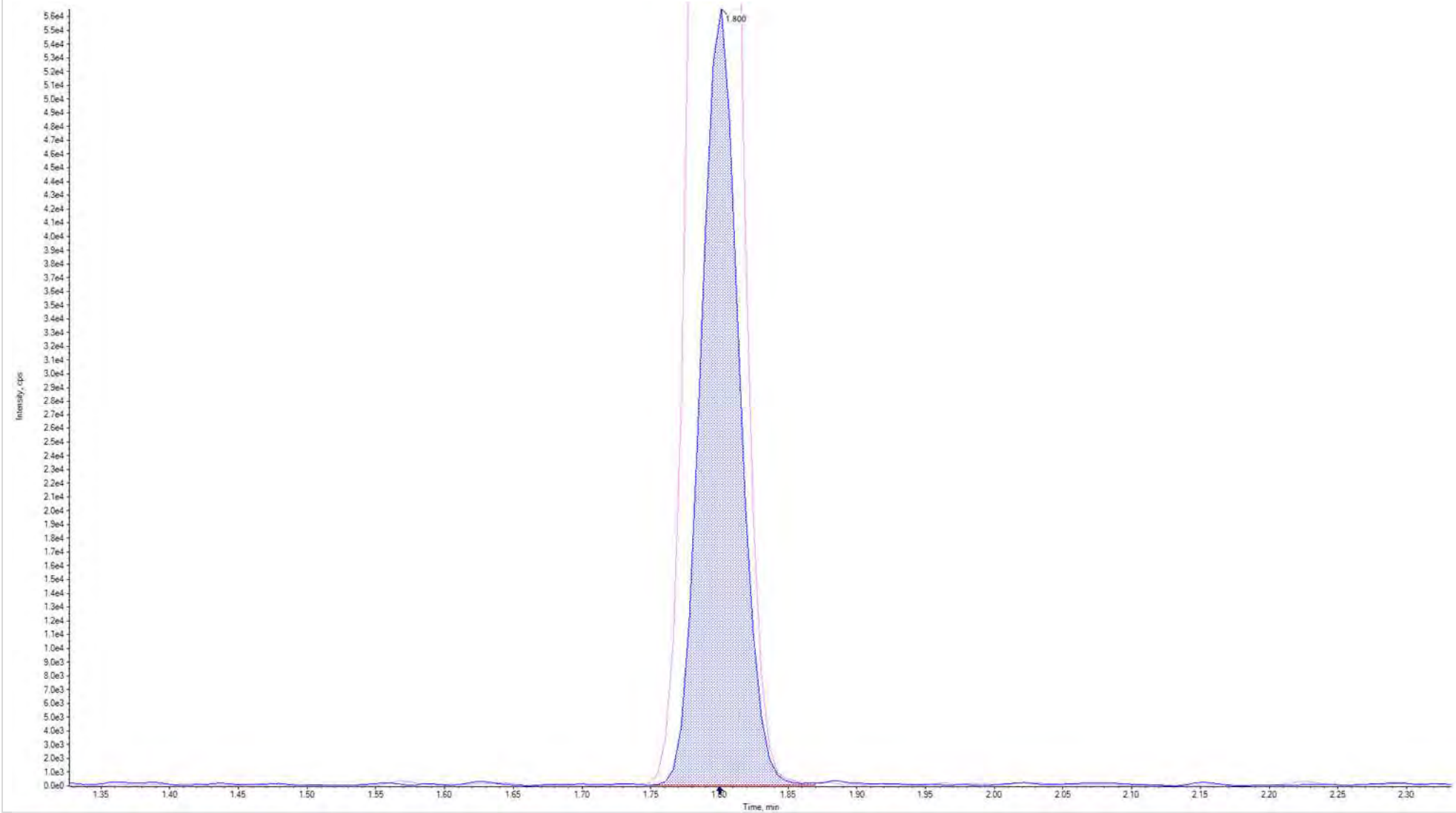
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFBS
Sample: WG2012727-4 S/N:3507.1 Points Across peak:28



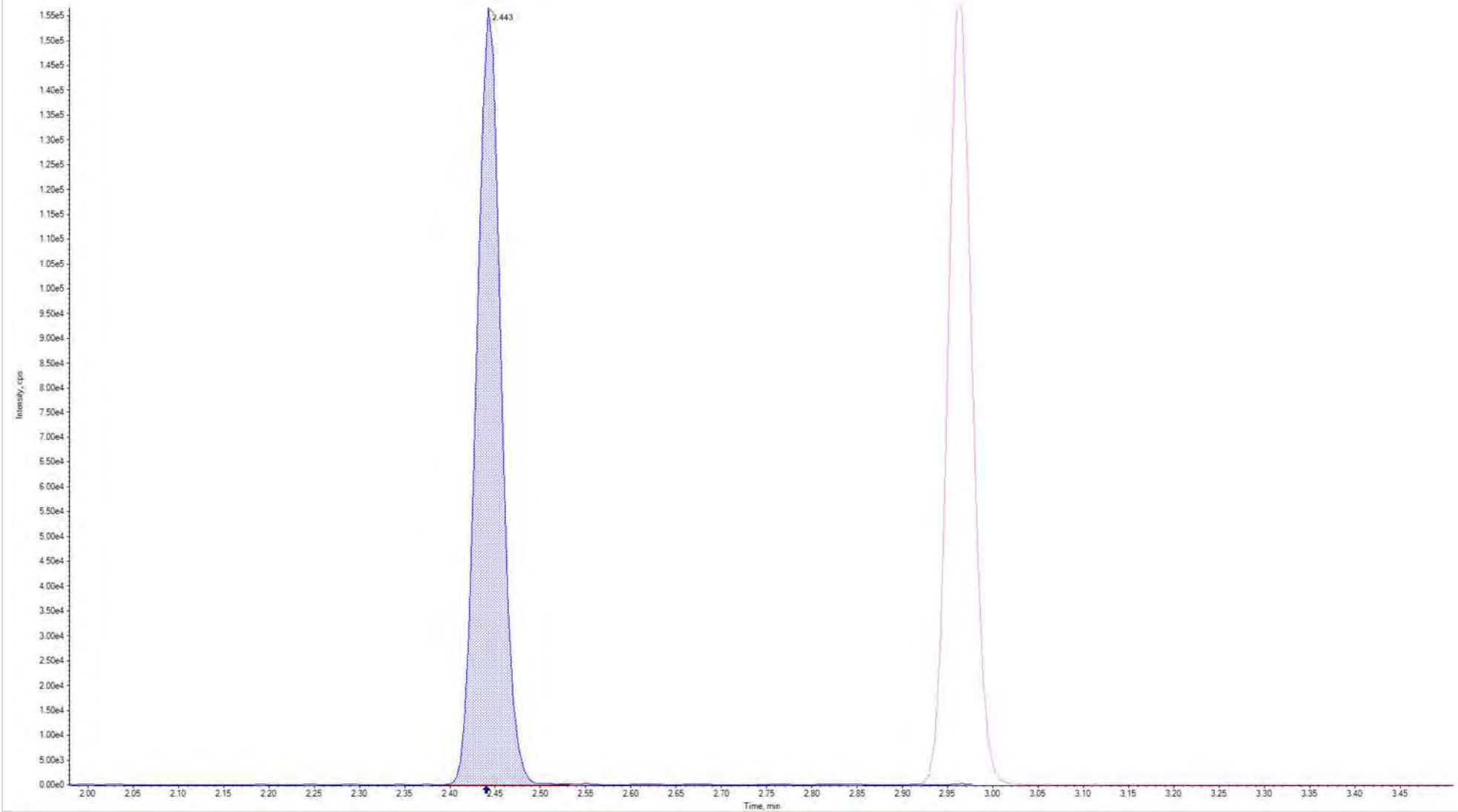
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFBS_2
Sample: WG2012727-4 S/N:1415.7 Points Across peak:22



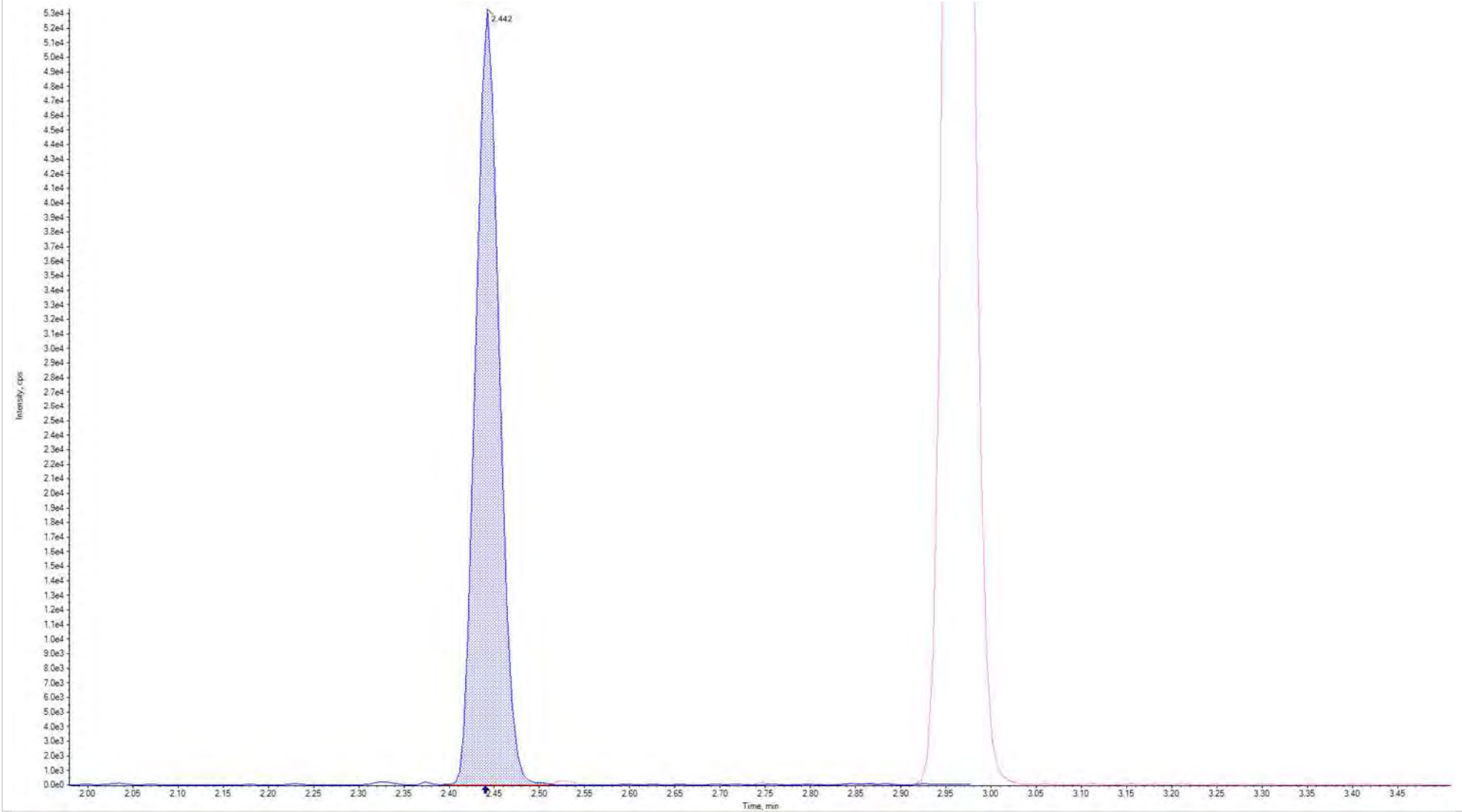
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFPeS
Sample: WG2012727-4 S/N:3141.4 Points Across peak:28



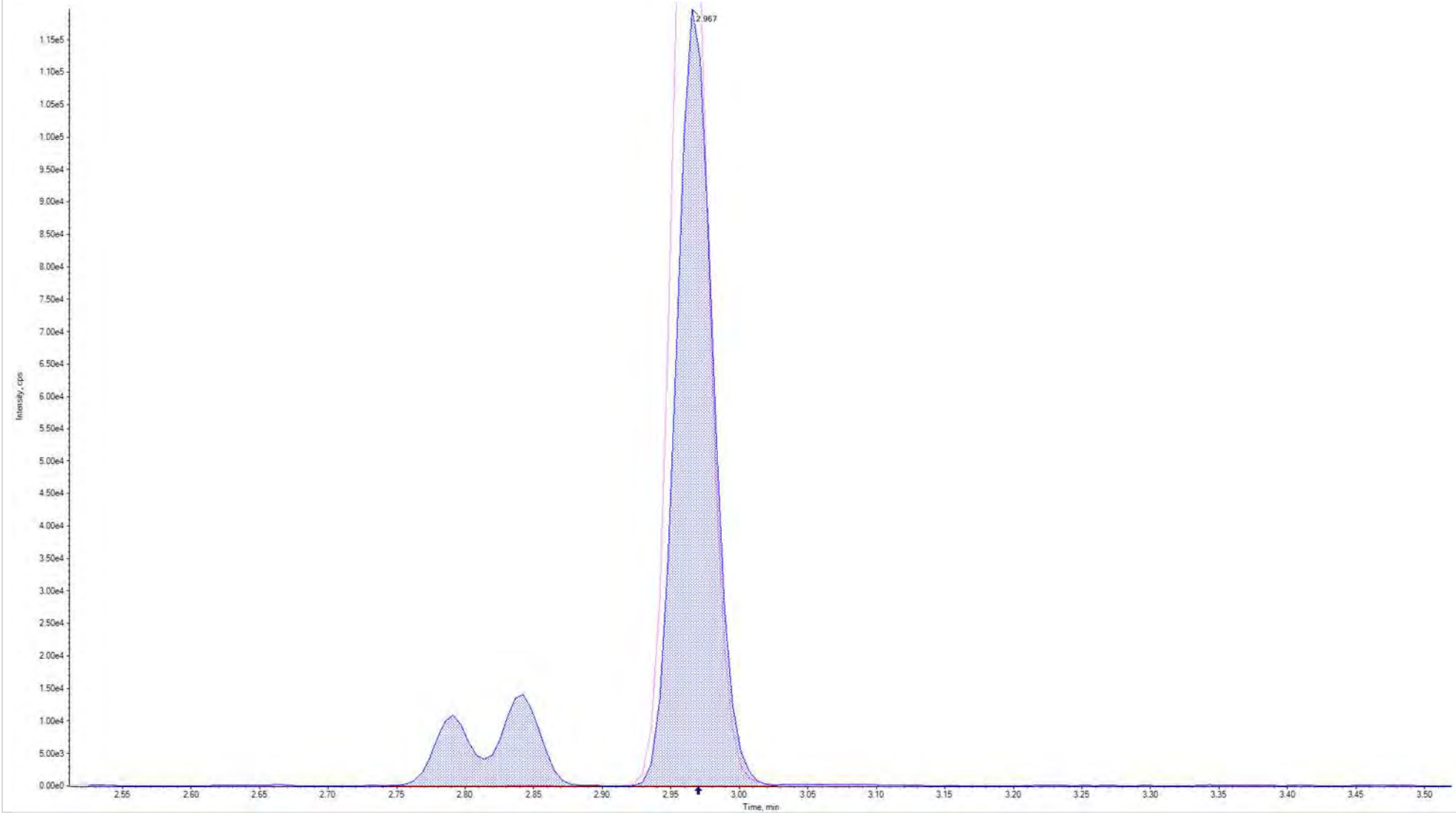
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFPeS_2
Sample: WG2012727-4 S/N:1068.9 Points Across peak:27



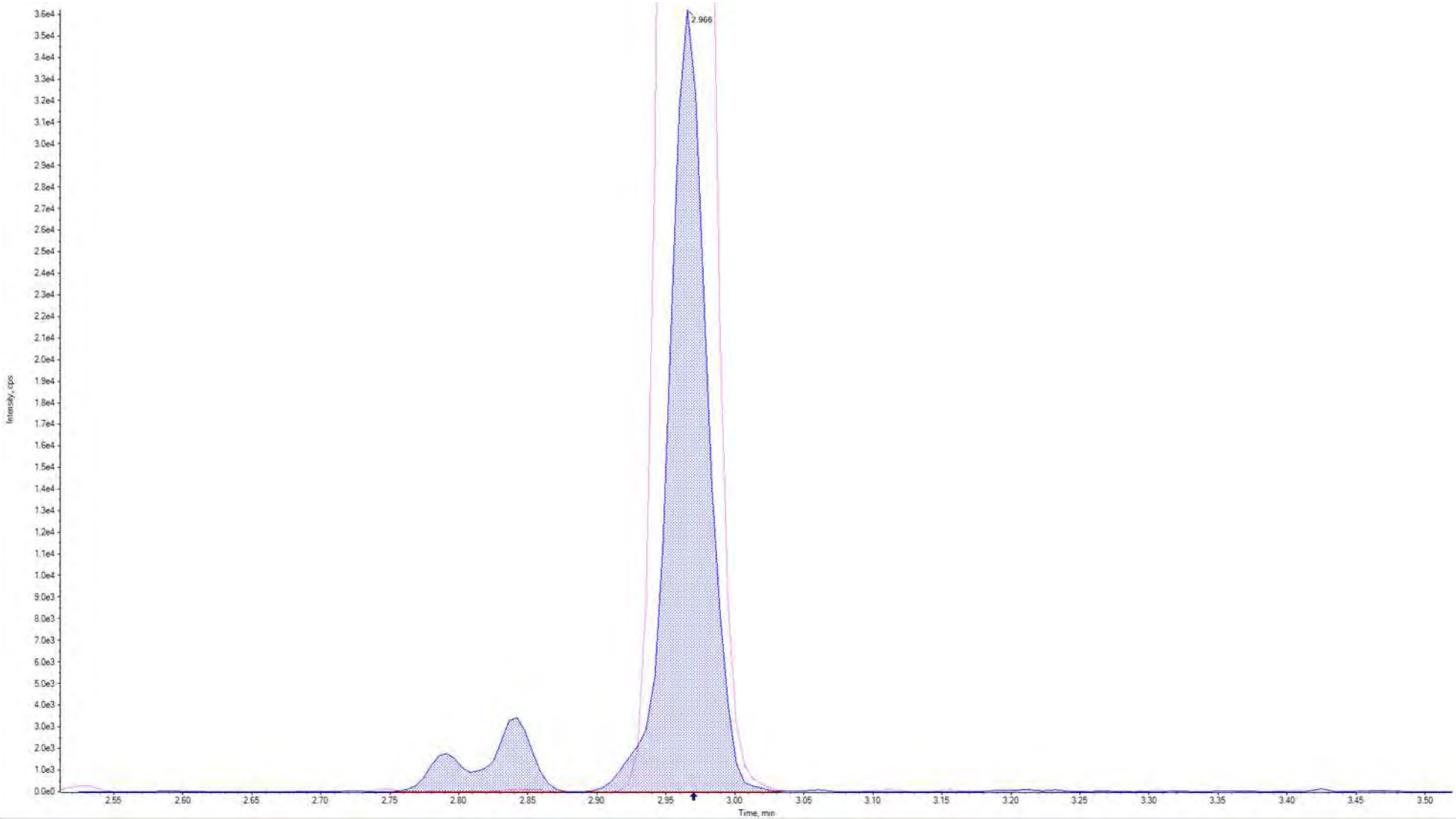
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFHxS
Sample: WG2012727-4 S/N:788.7 Points Across peak:50



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFHxS_2
Sample: WG2012727-4 S/N:784.3 Points Across peak:50



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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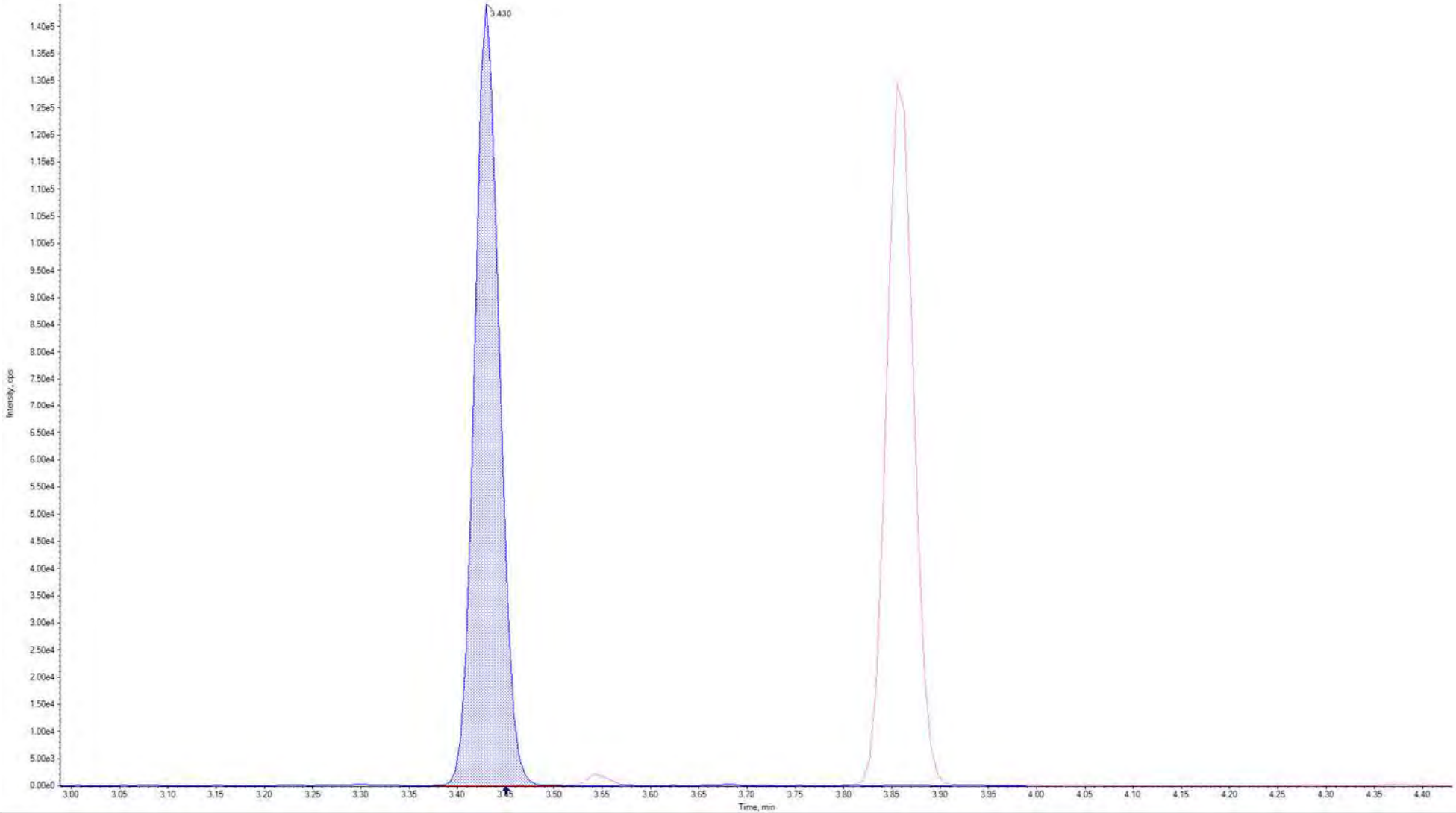
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFHpS
Sample: WG2012727-4 S/N:2890.8 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
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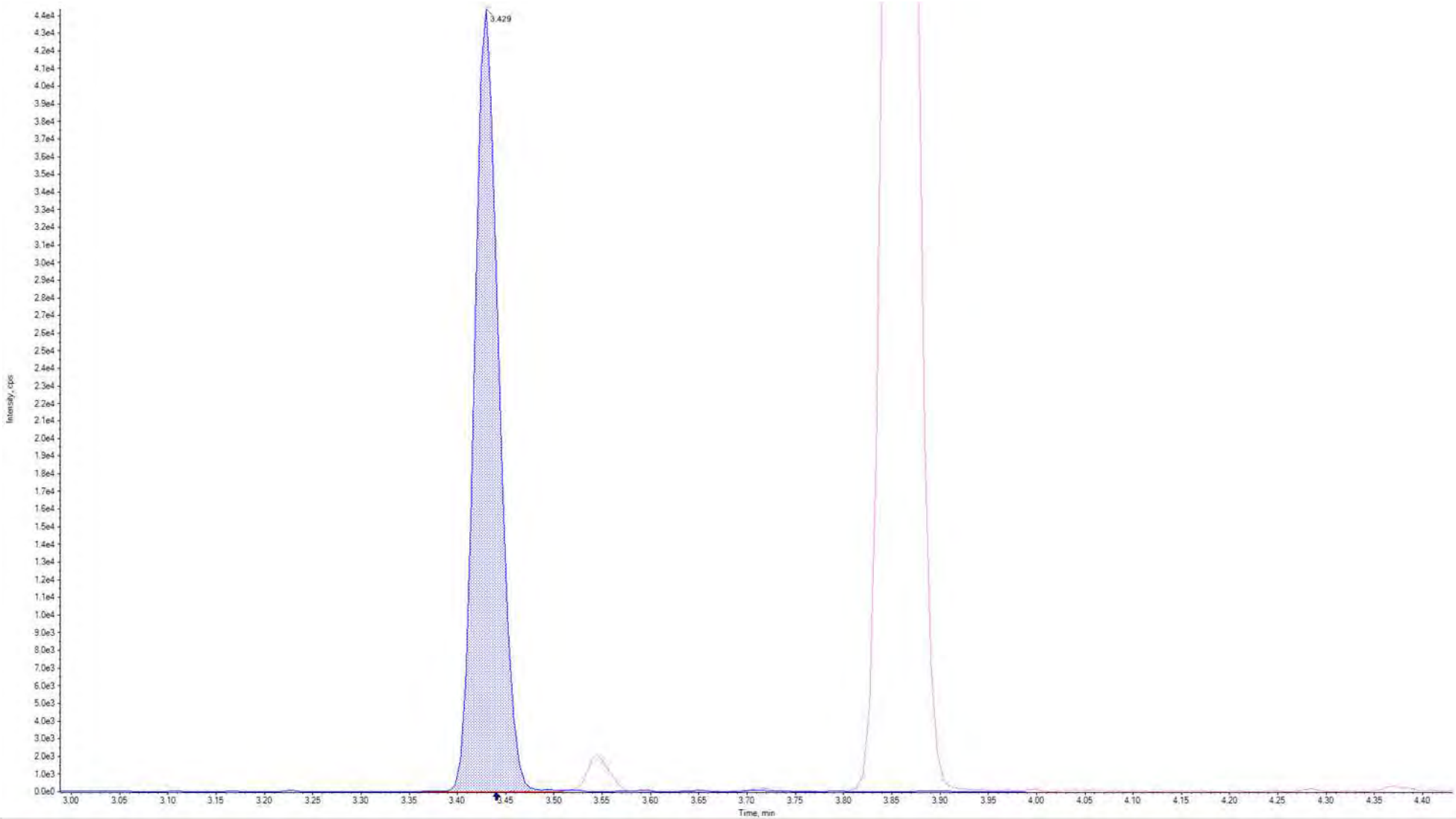
PFHpS_2
Sample: WG2012727-4 S/N:889.6 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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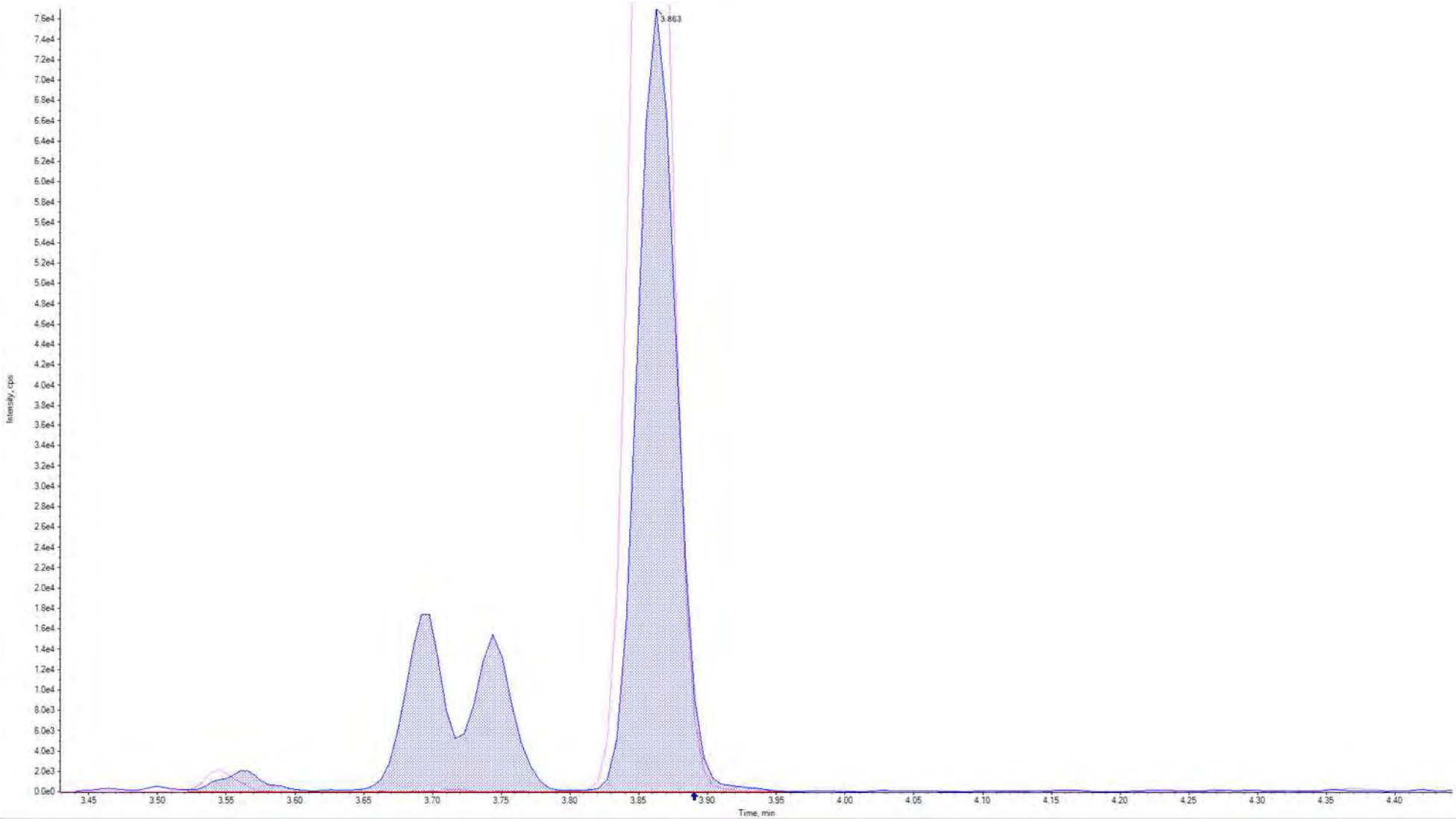
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFOS
Sample: WG2012727-4 S/N:321.2 Points Across peak:74



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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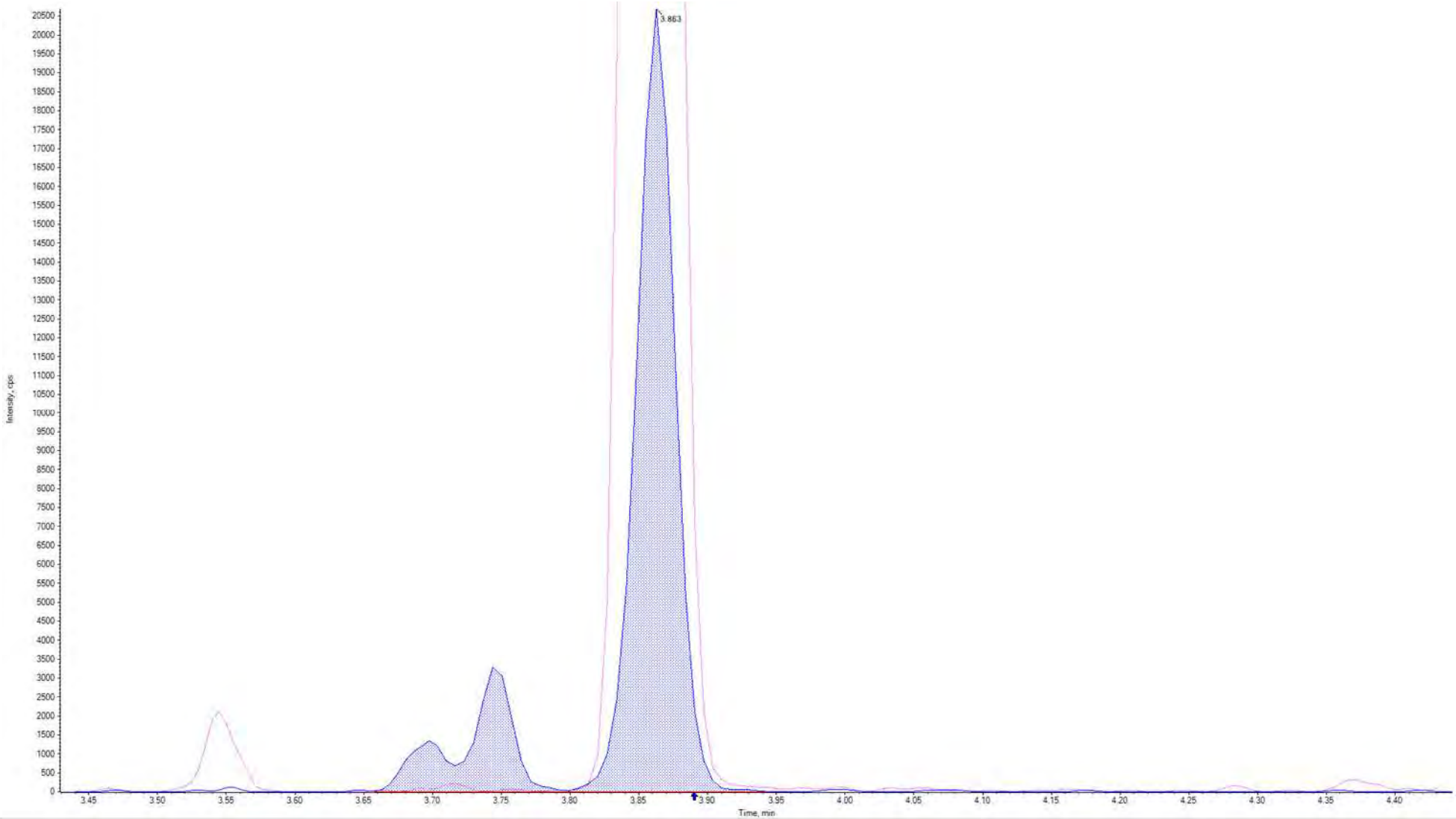
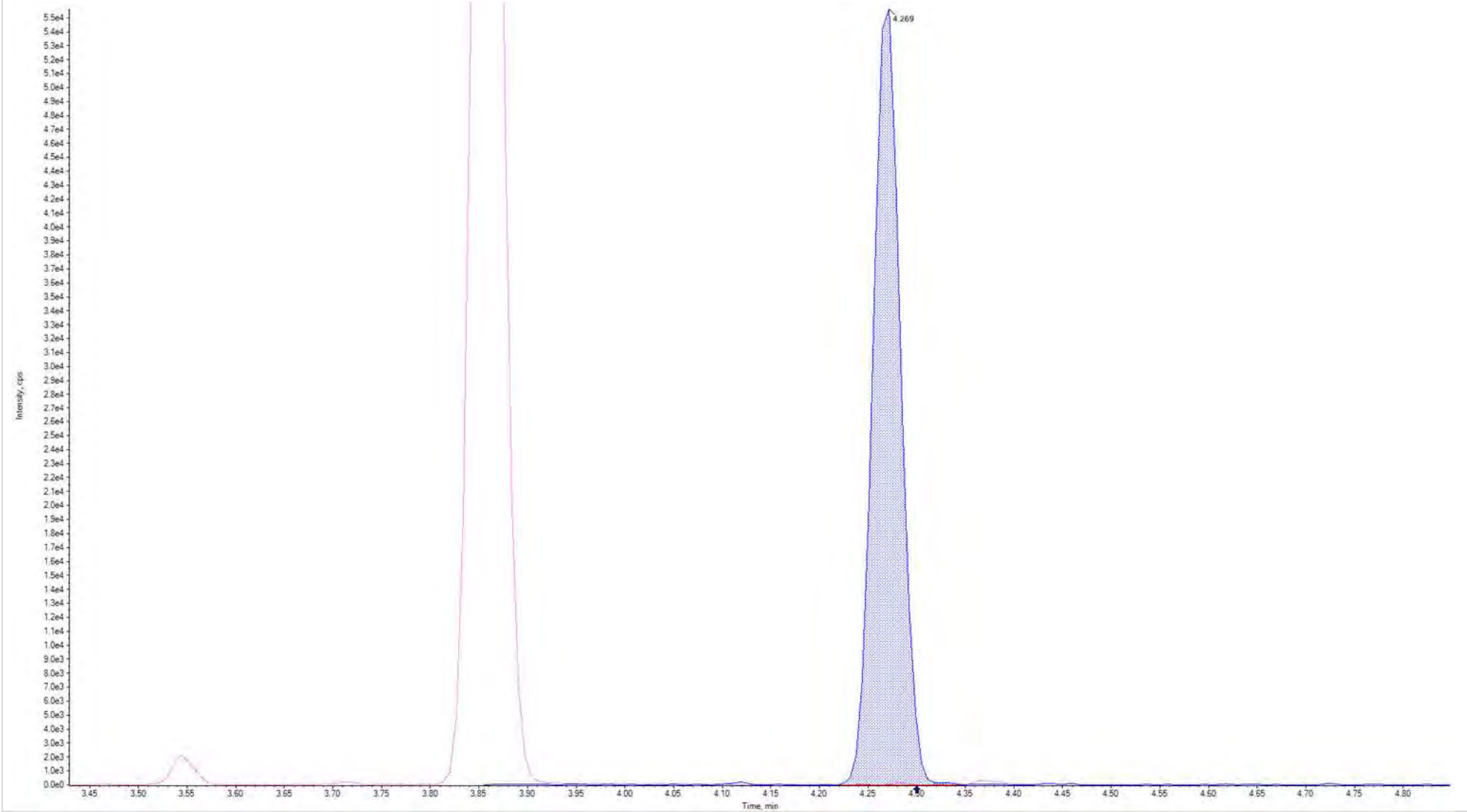
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFOS_2
Sample: WG2012727-4 S/N:414.7 Points Across peak:46



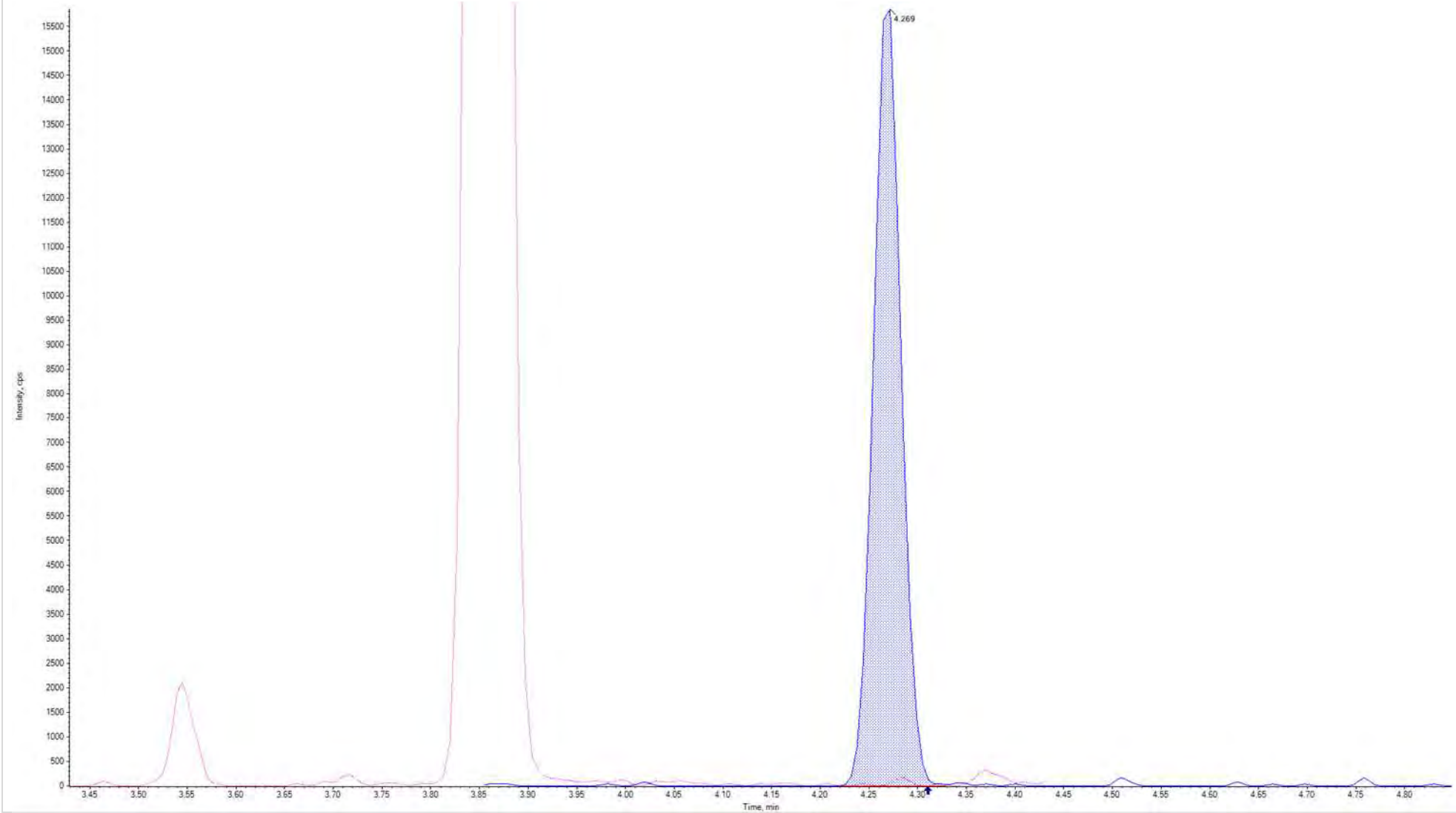
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFNS
Sample: WG2012727-4 S/N:1393.9 Points Across peak:23



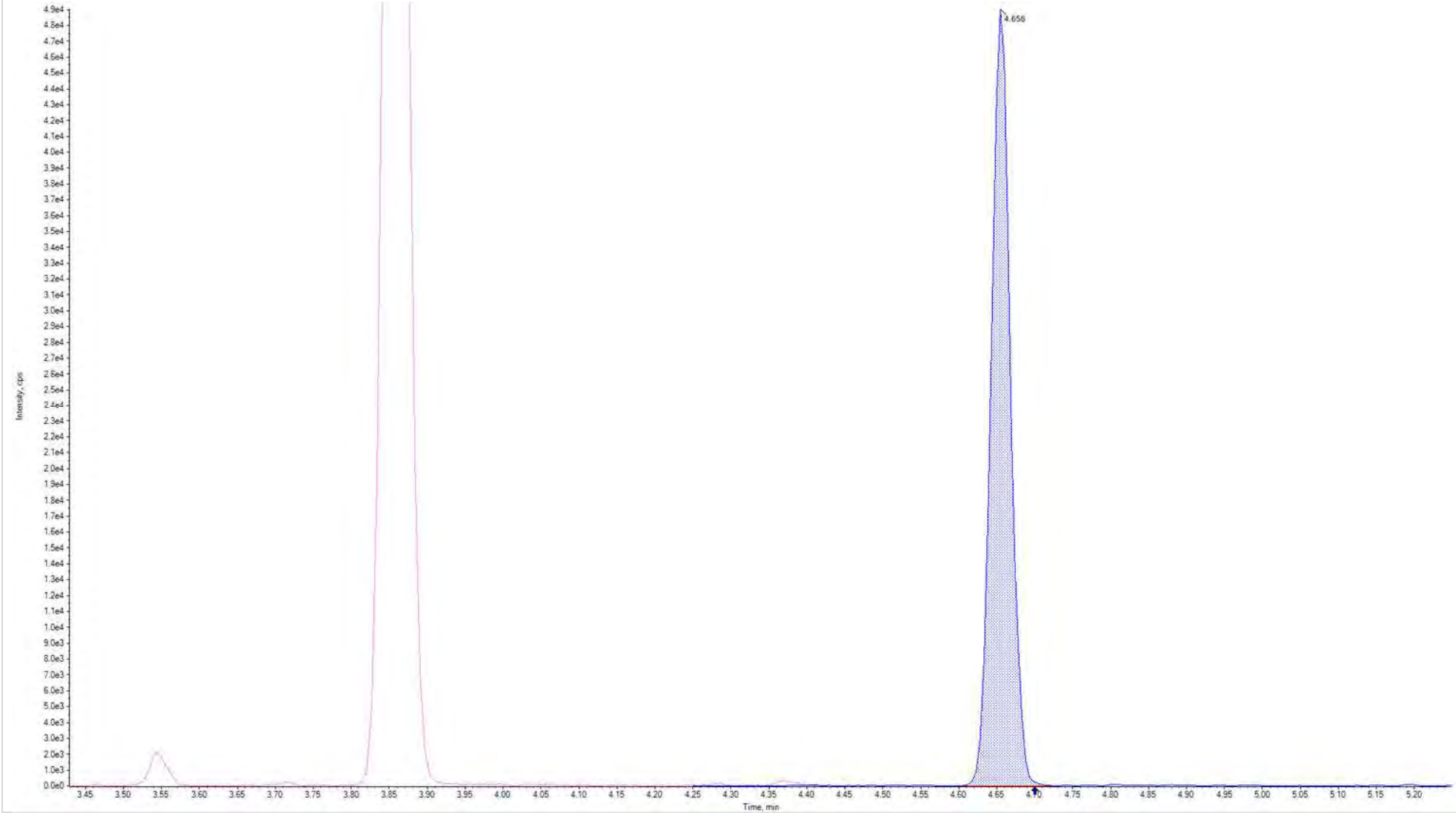
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFNS_2
Sample: WG2012727-4 S/N:397.4 Points Across peak:23



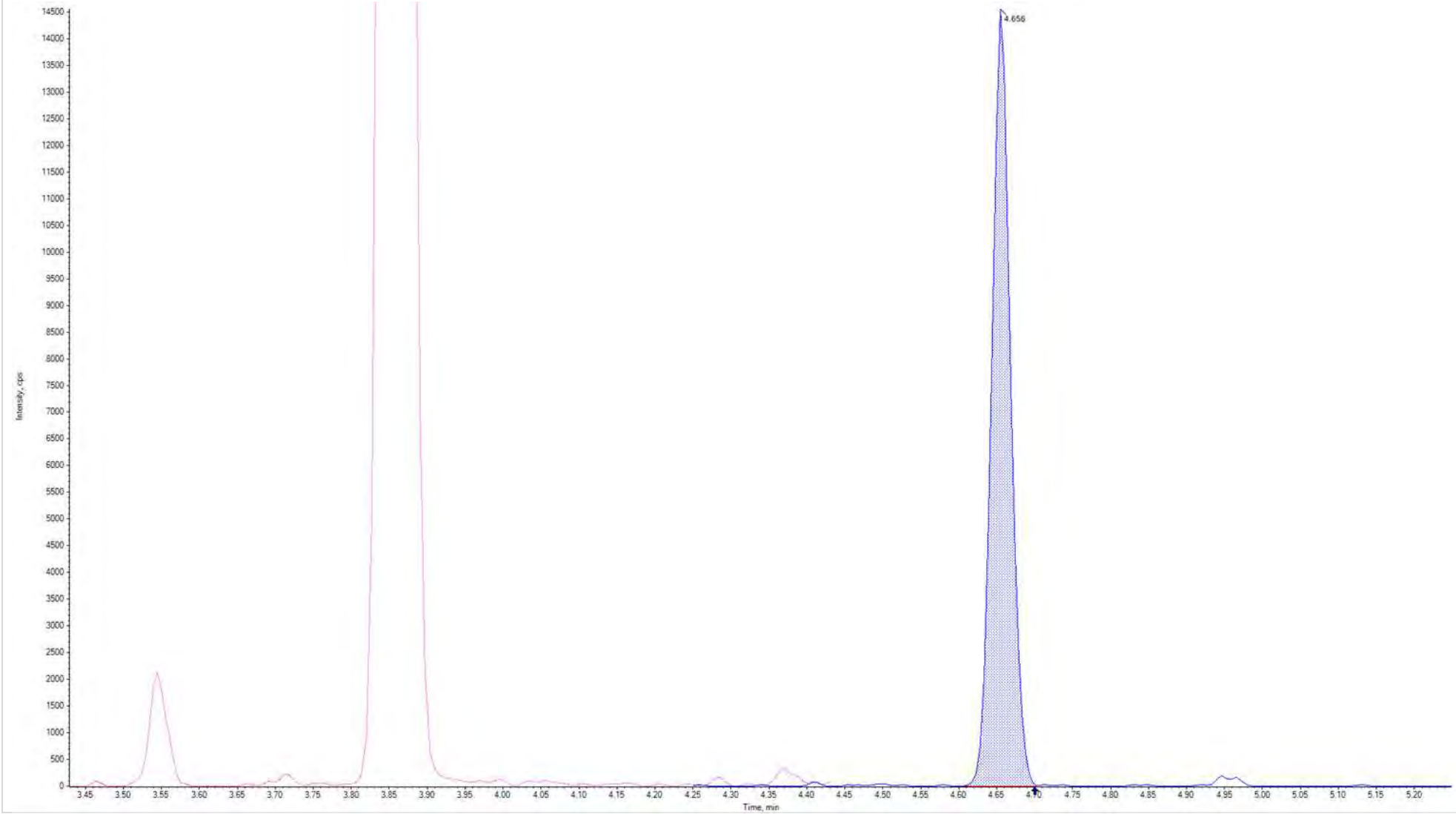
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFDS
Sample: WG2012727-4 S/N:1720.5 Points Across peak:28



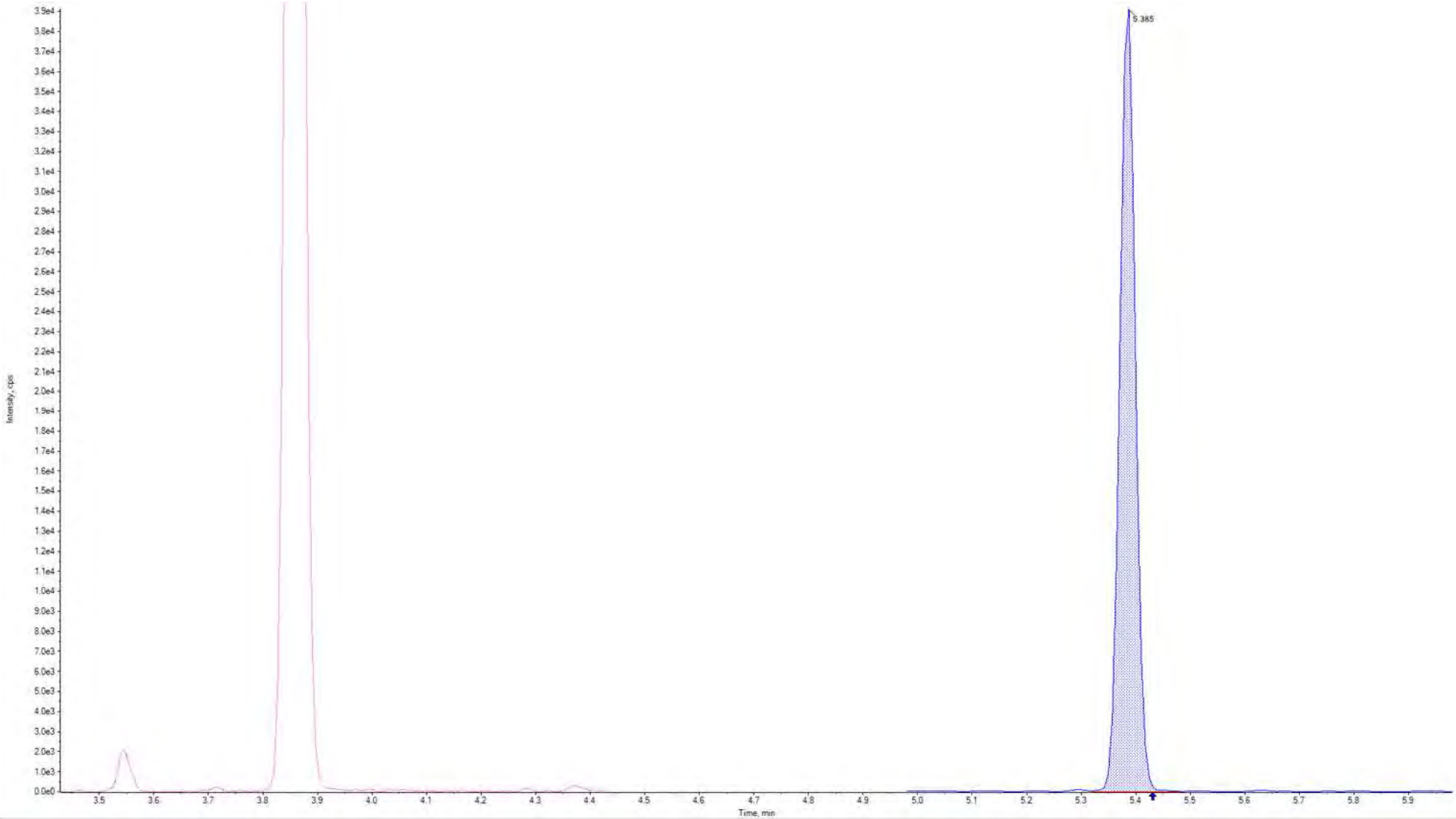
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFDS_2
Sample: WG2012727-4 S/N:510.8 Points Across peak:22



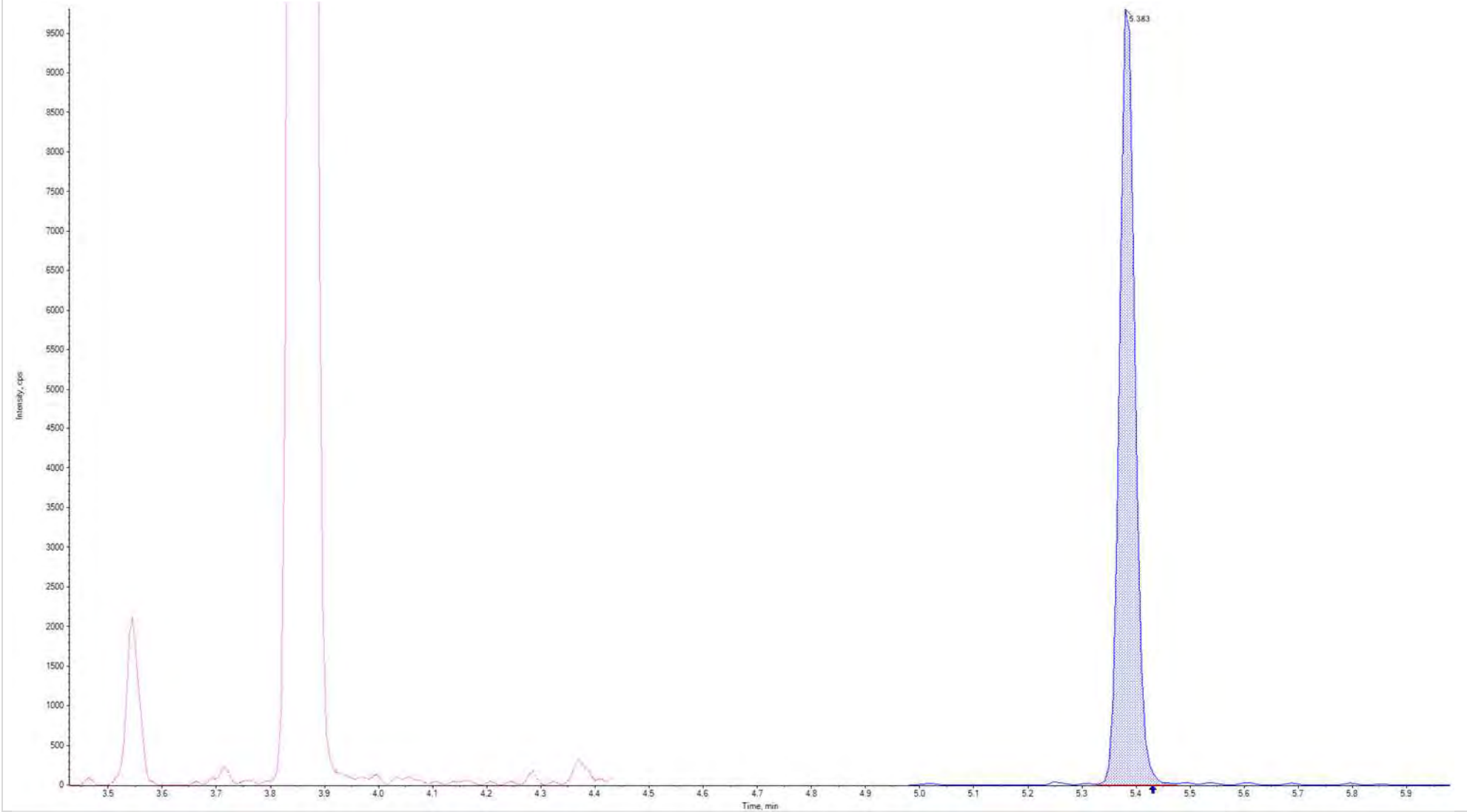
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFDoS
Sample: WG2012727-4 S/N:3038.9 Points Across peak:22



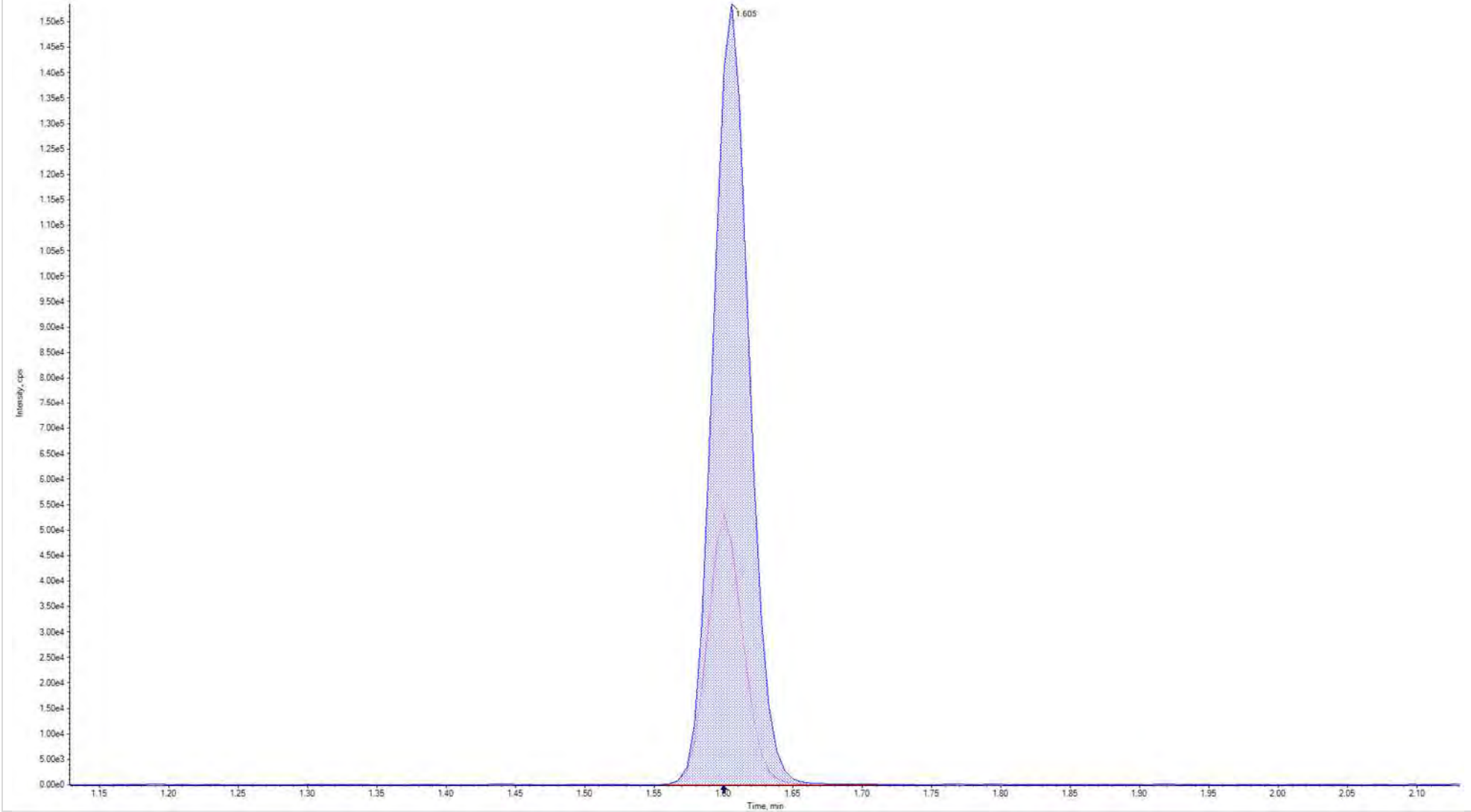
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFDoS_2
Sample: WG2012727-4 S/N:761.7 Points Across peak:20



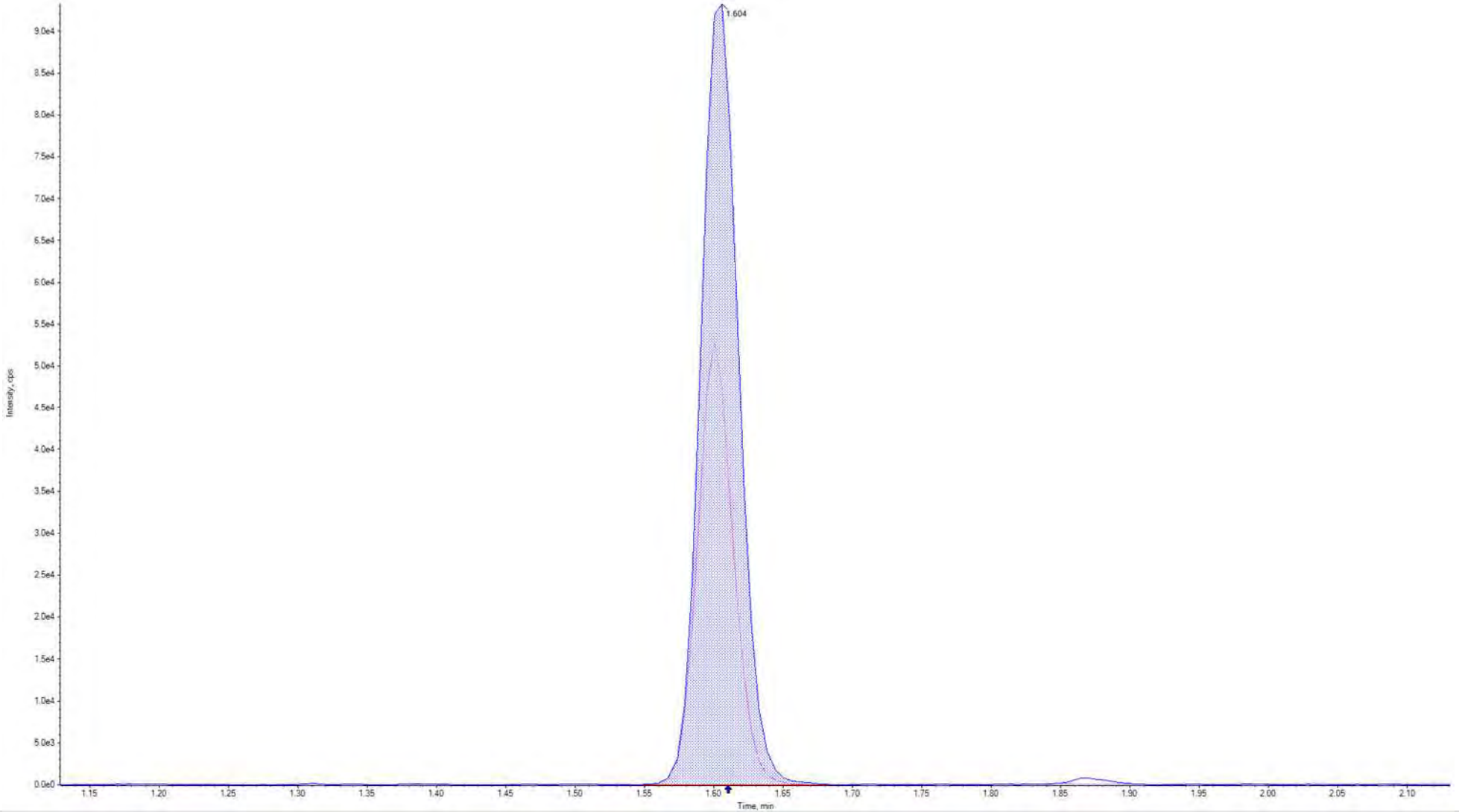
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

4:2FTS
Sample: WG2012727-4 S/N:4344.4 Points Across peak:31



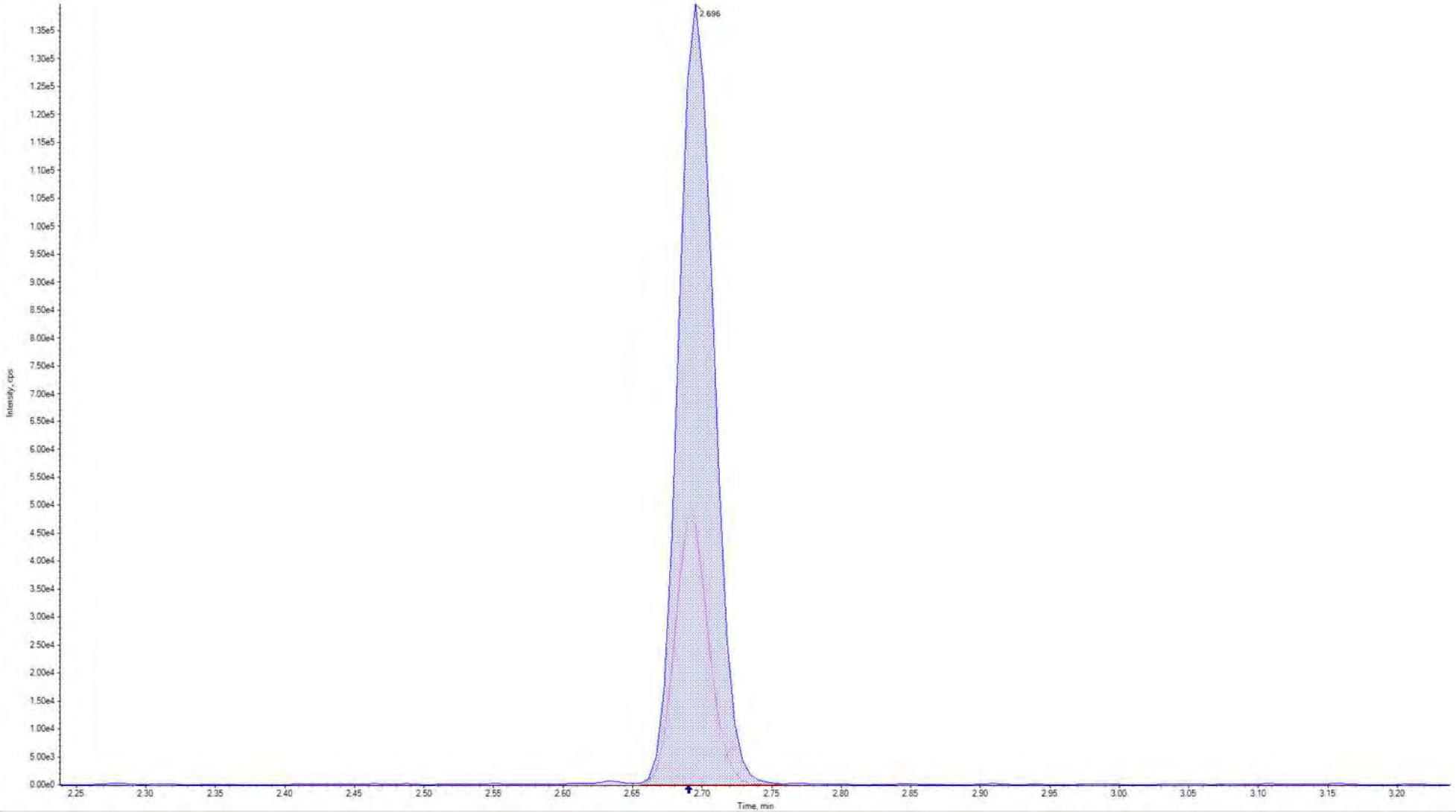
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

4:2FTS_2
Sample: WG2012727-4 S/N:3505.6 Points Across peak:29



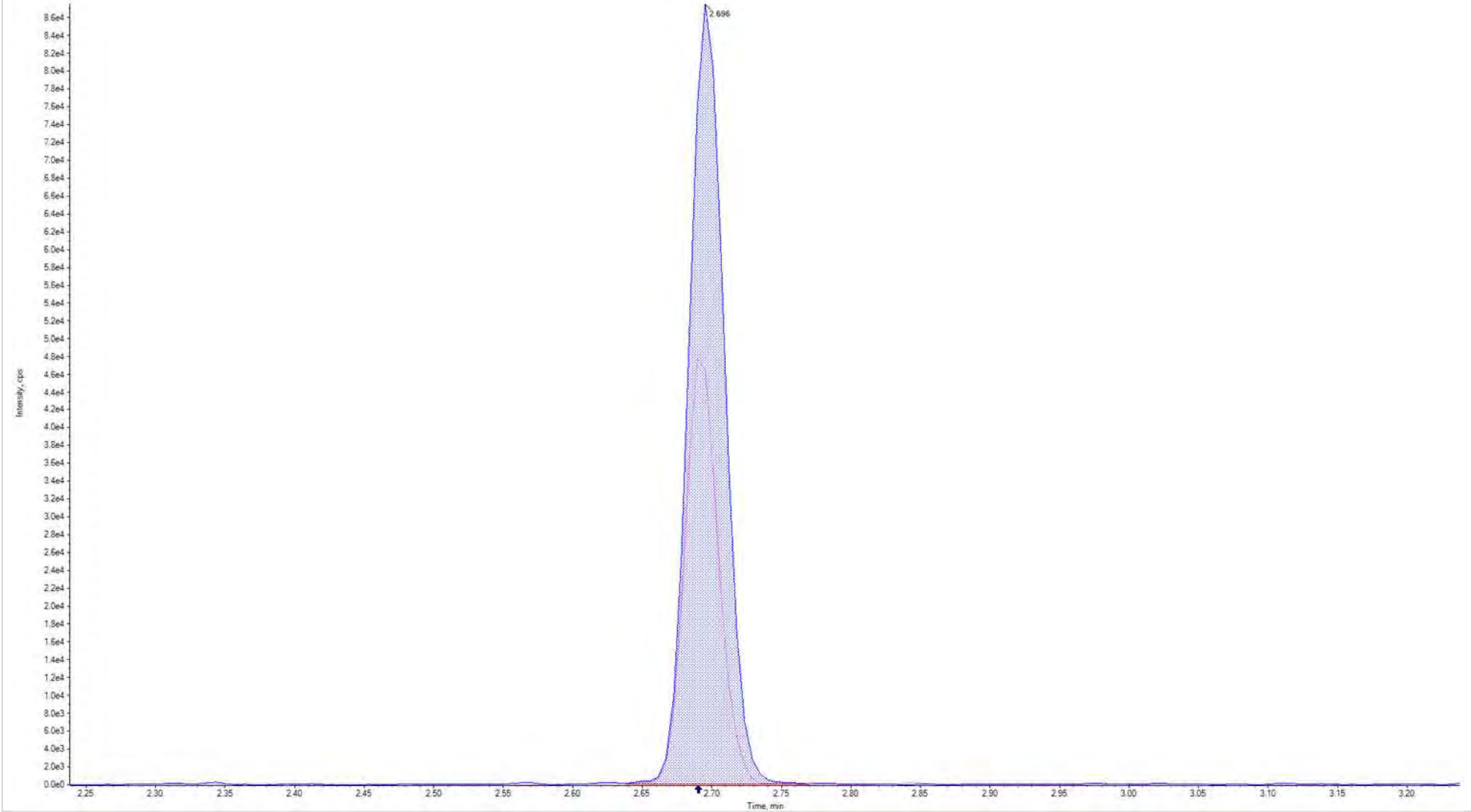
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

6:2FTS
Sample: WG2012727-4 S/N:2802.4 Points Across peak:20



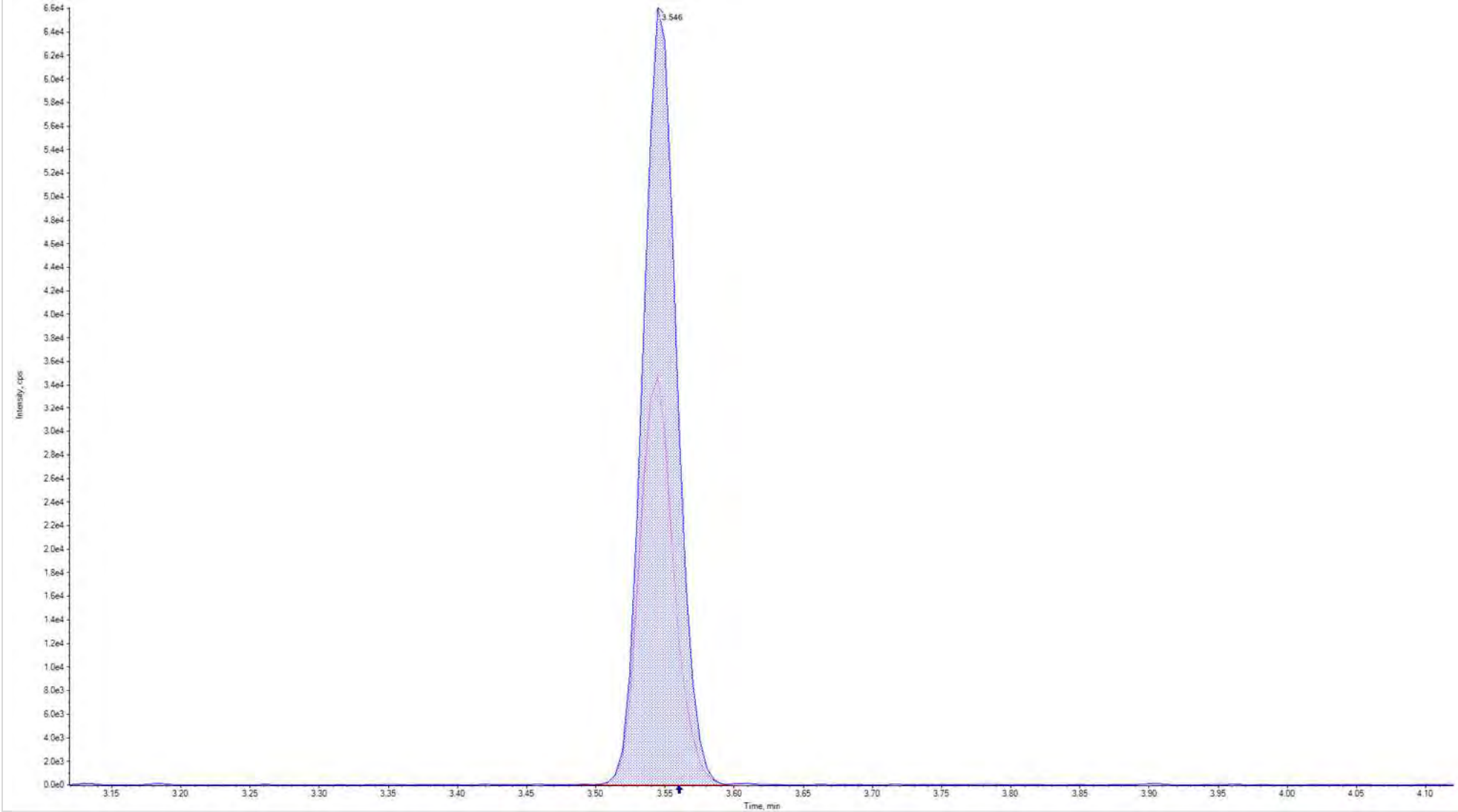
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

6:2FTS_2
Sample: WG2012727-4 S/N:1754.4 Points Across peak:24



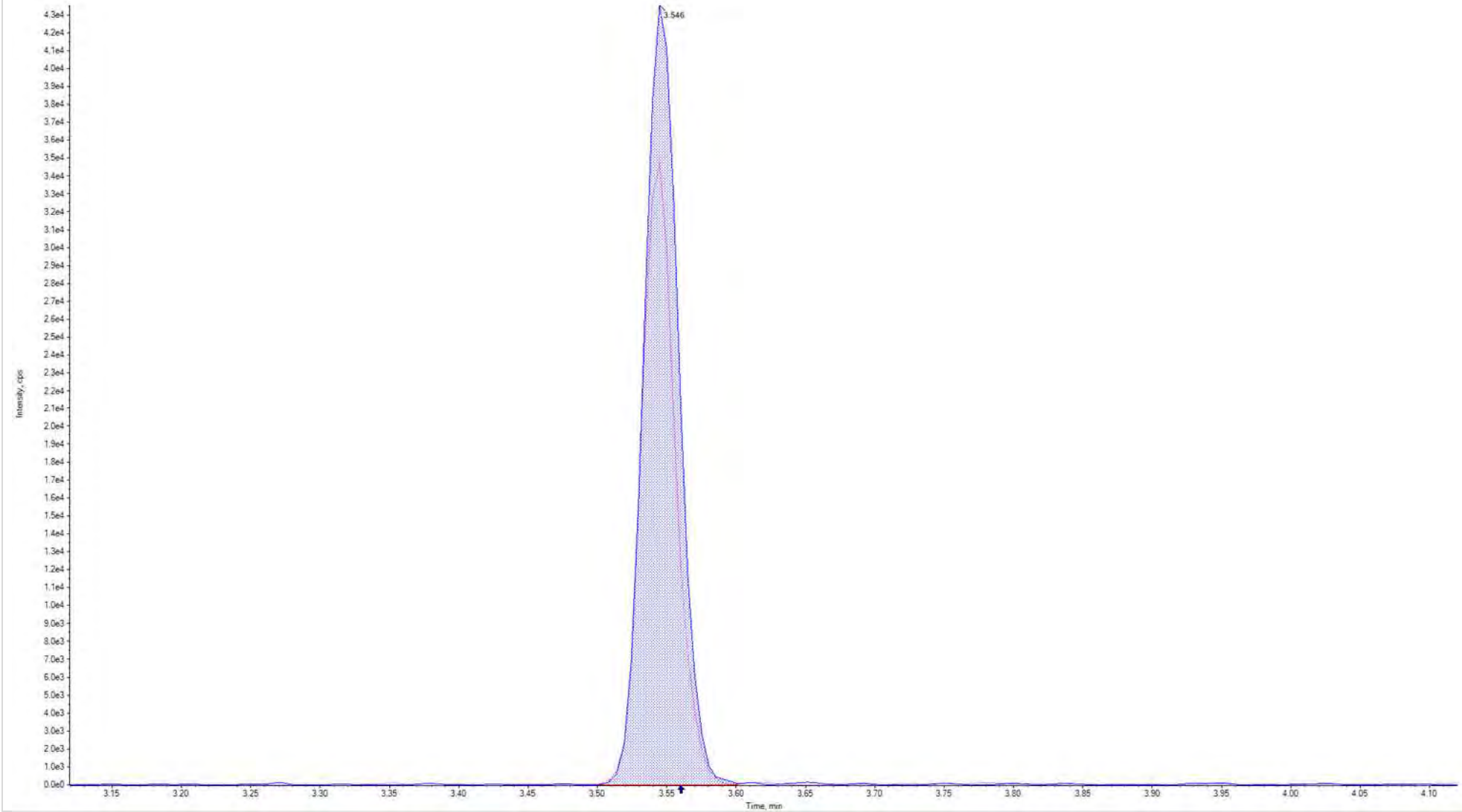
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

8:2FTS
Sample: WG2012727-4 S/N:1324.8 Points Across peak:24



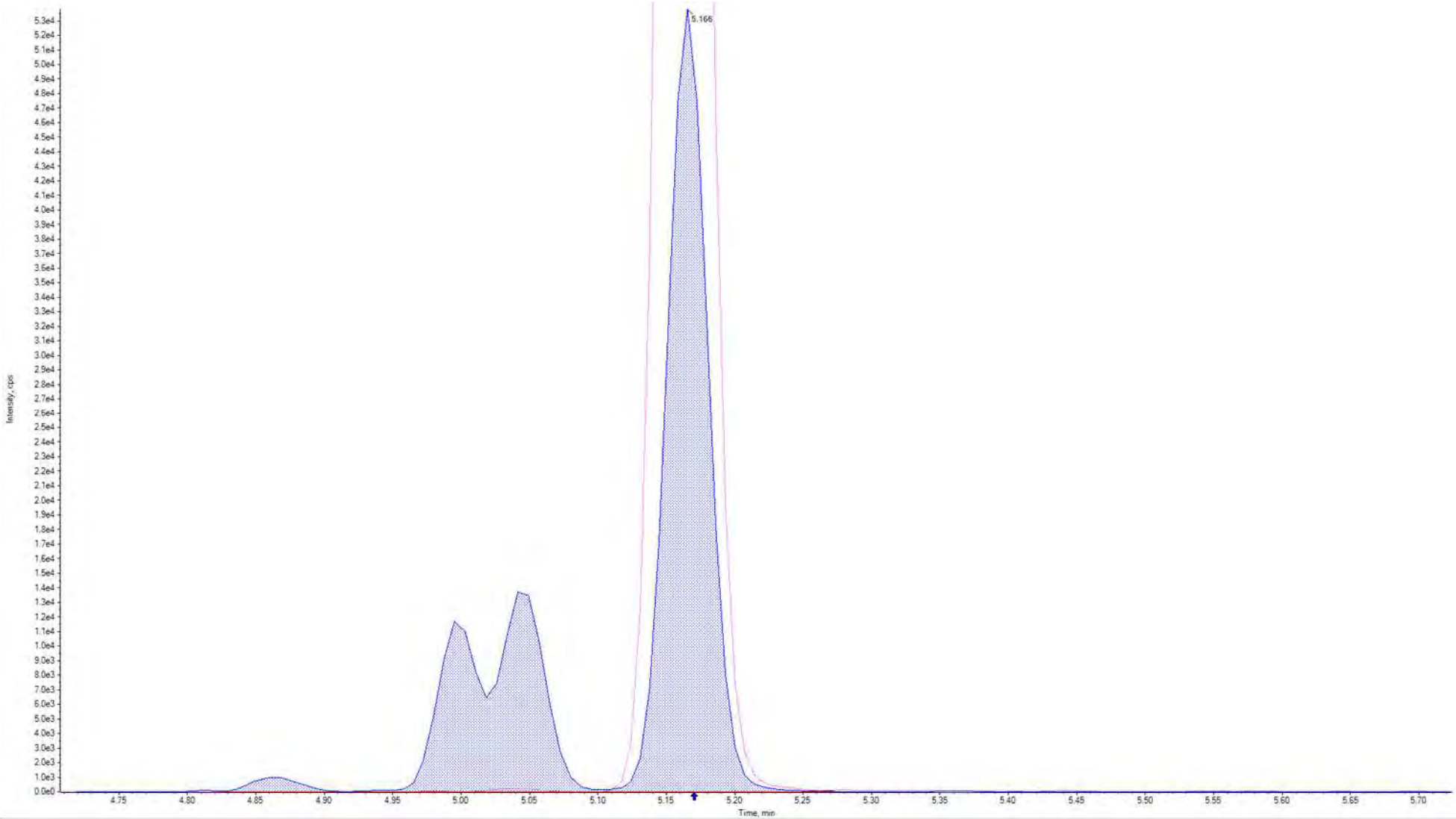
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

8:2FTS_2
Sample: WG2012727-4 S/N:872.7 Points Across peak:22



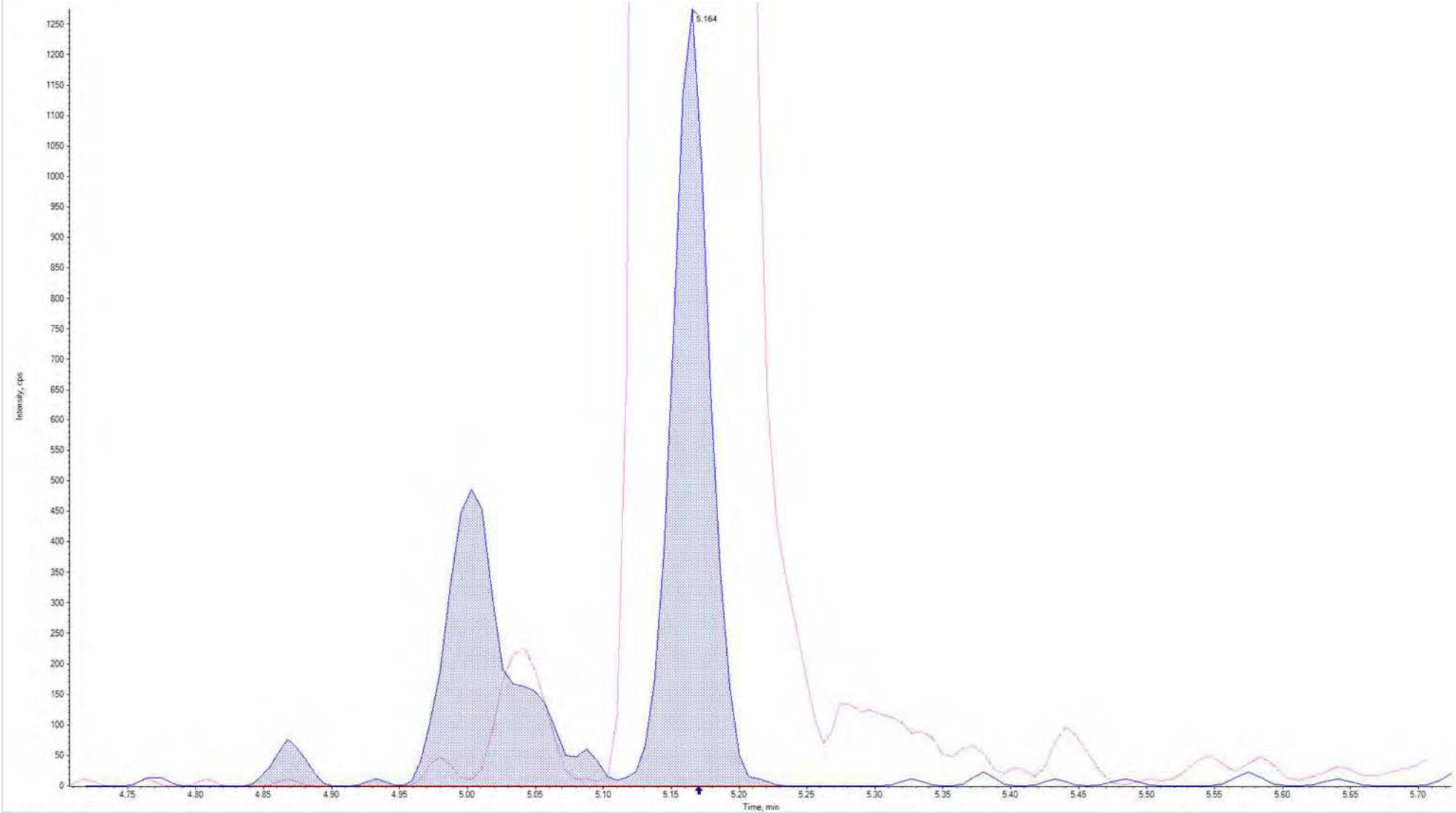
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFOSA
Sample: WG2012727-4 S/N:319.3 Points Across peak:69



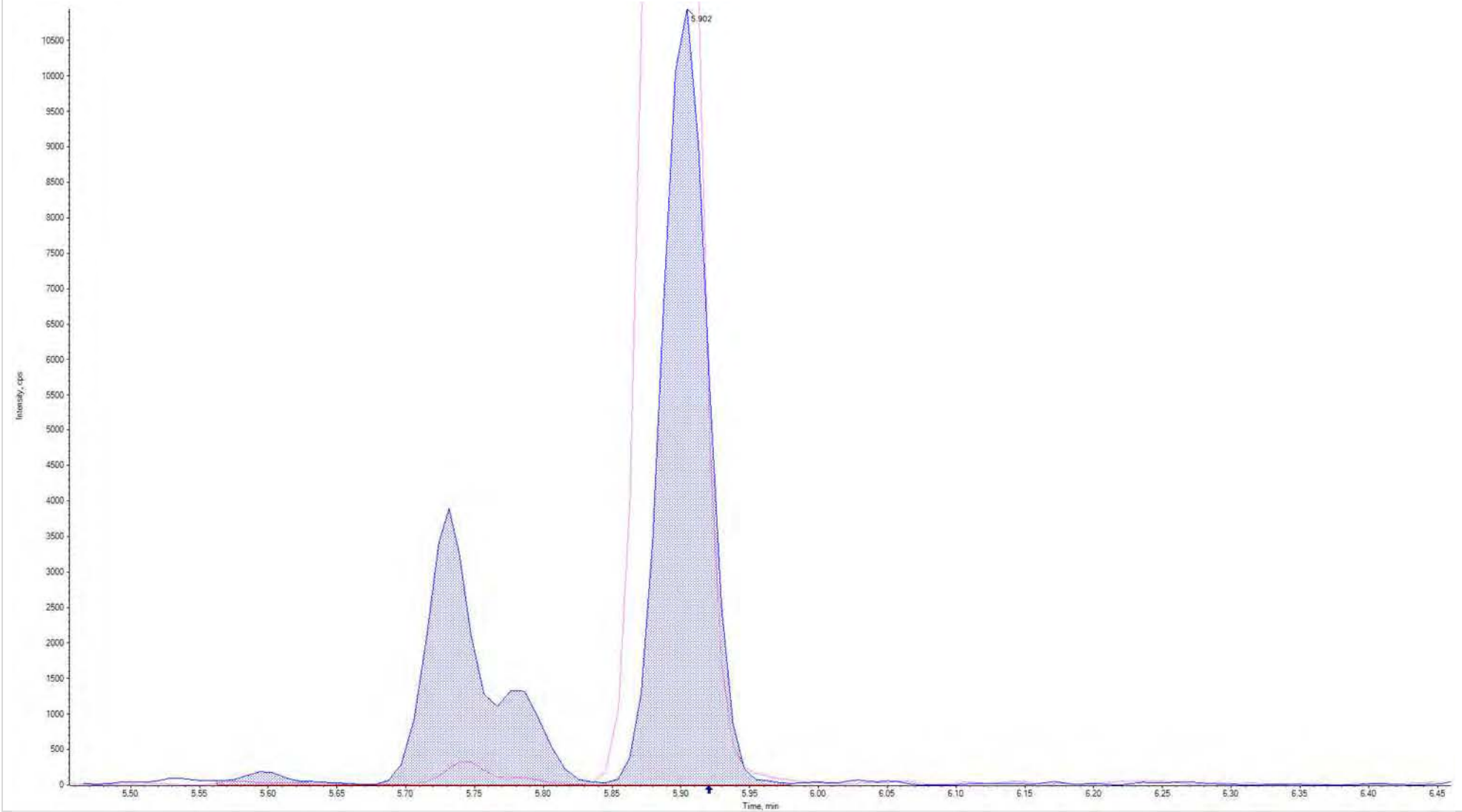
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFOSA_2
Sample: WG2012727-4 S/N:111.8 Points Across peak:59



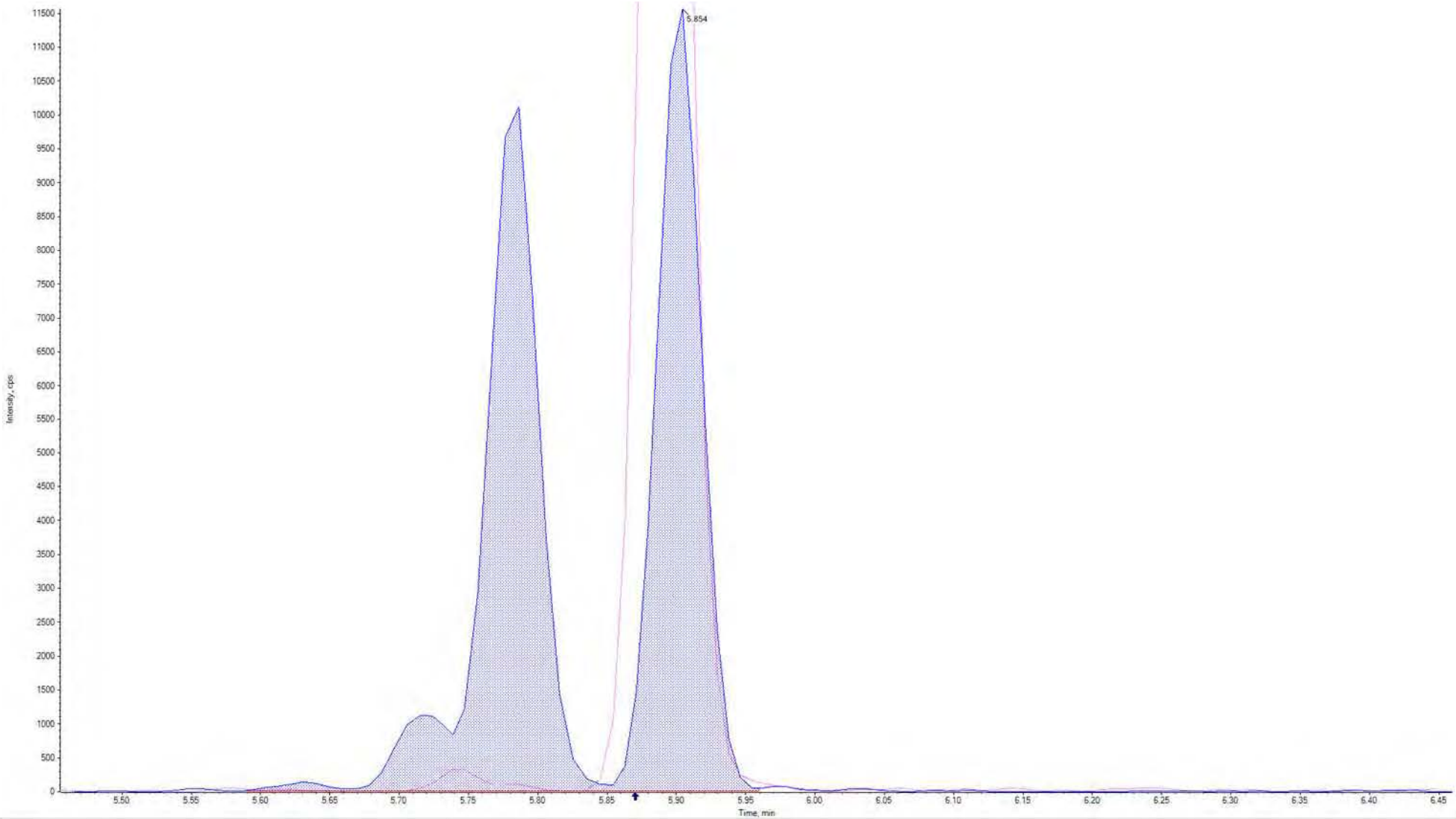
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

NMeFOSA
Sample: WG2012727-4 S/N:261.4 Points Across peak:49



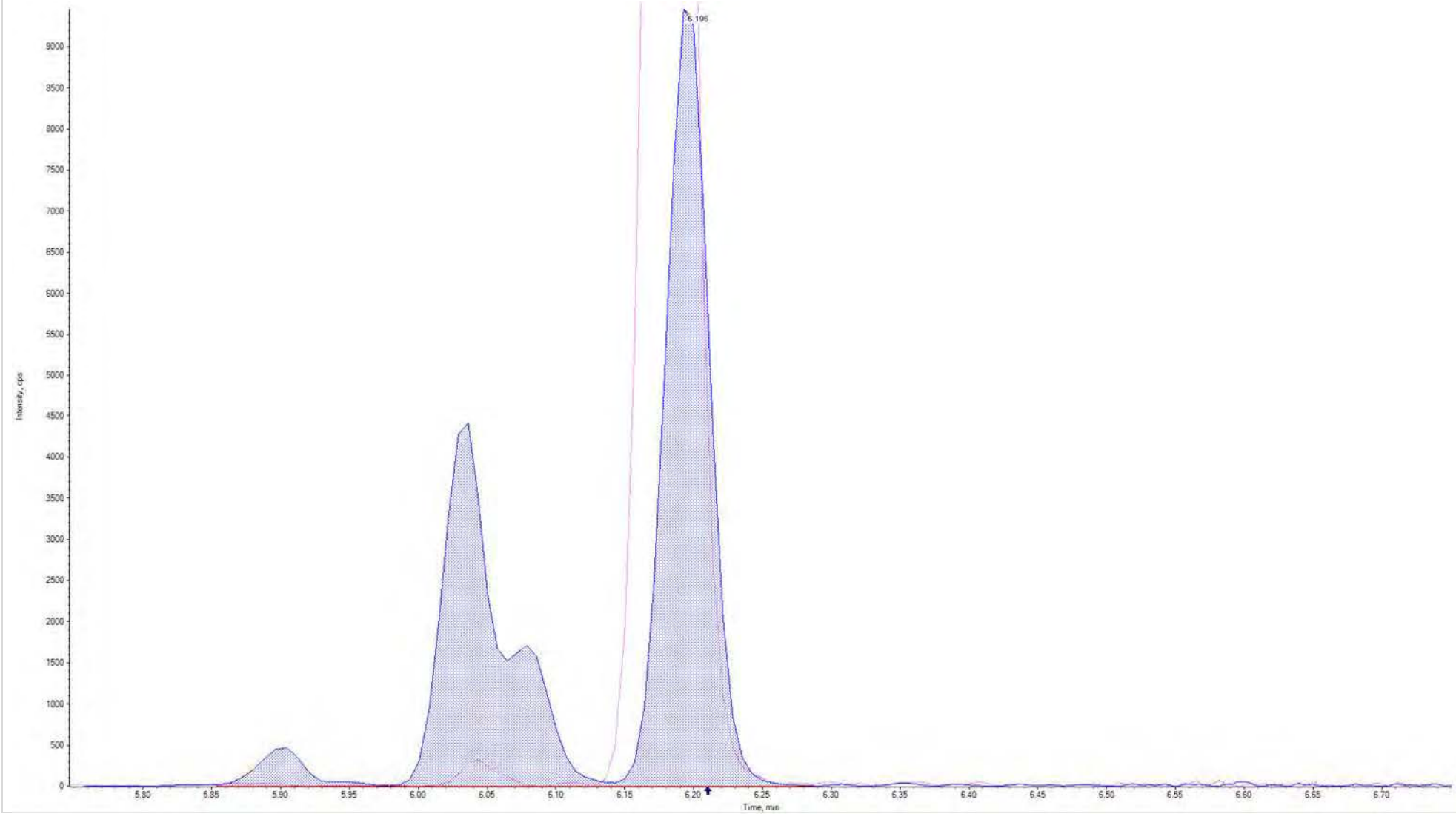
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

NMeFOSA_2
Sample: WG2012727-4 S/N:231.4 Points Across peak:43



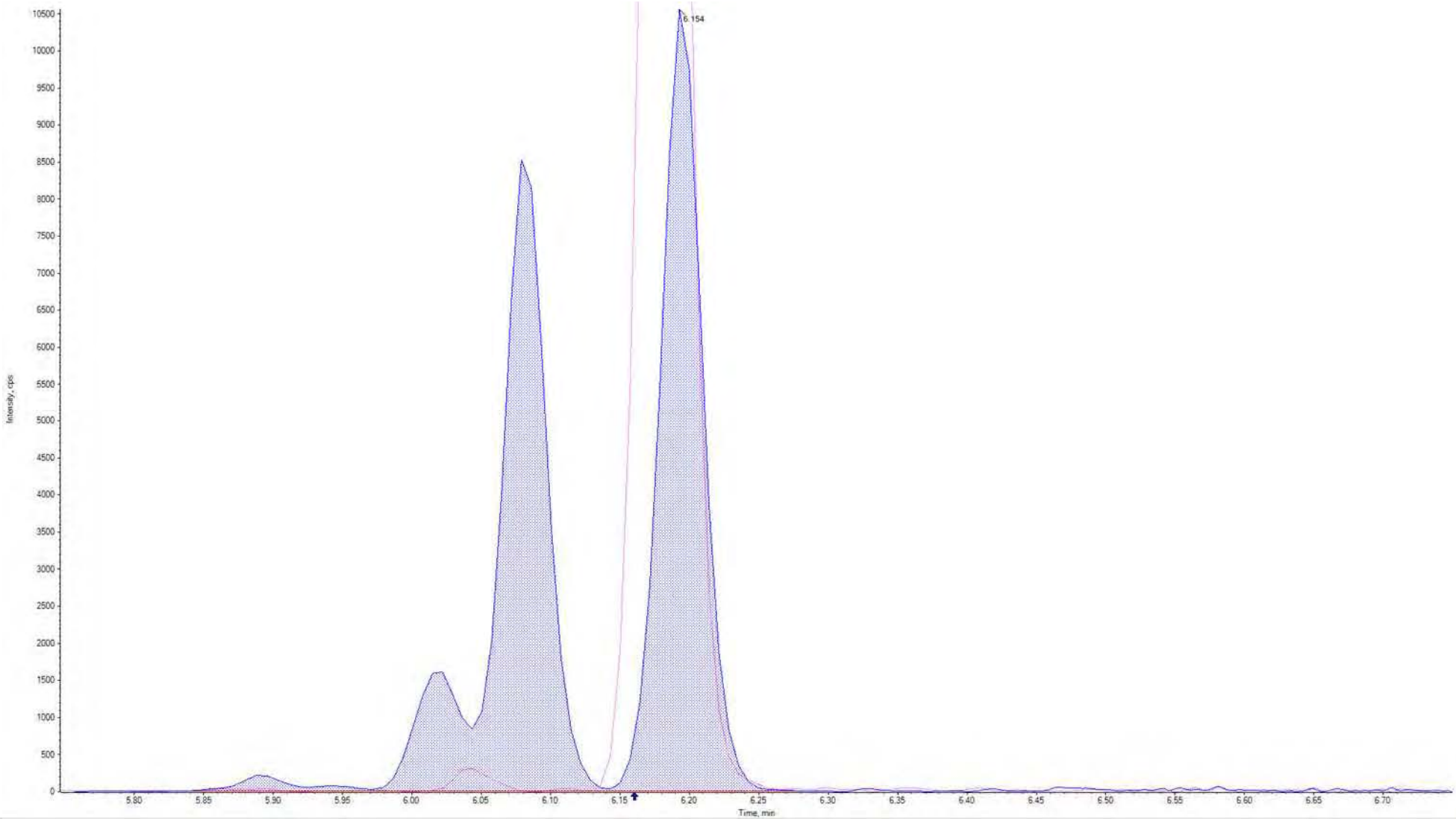
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

NEtFOSA
Sample: WG2012727-4 S/N:487.4 Points Across peak:62



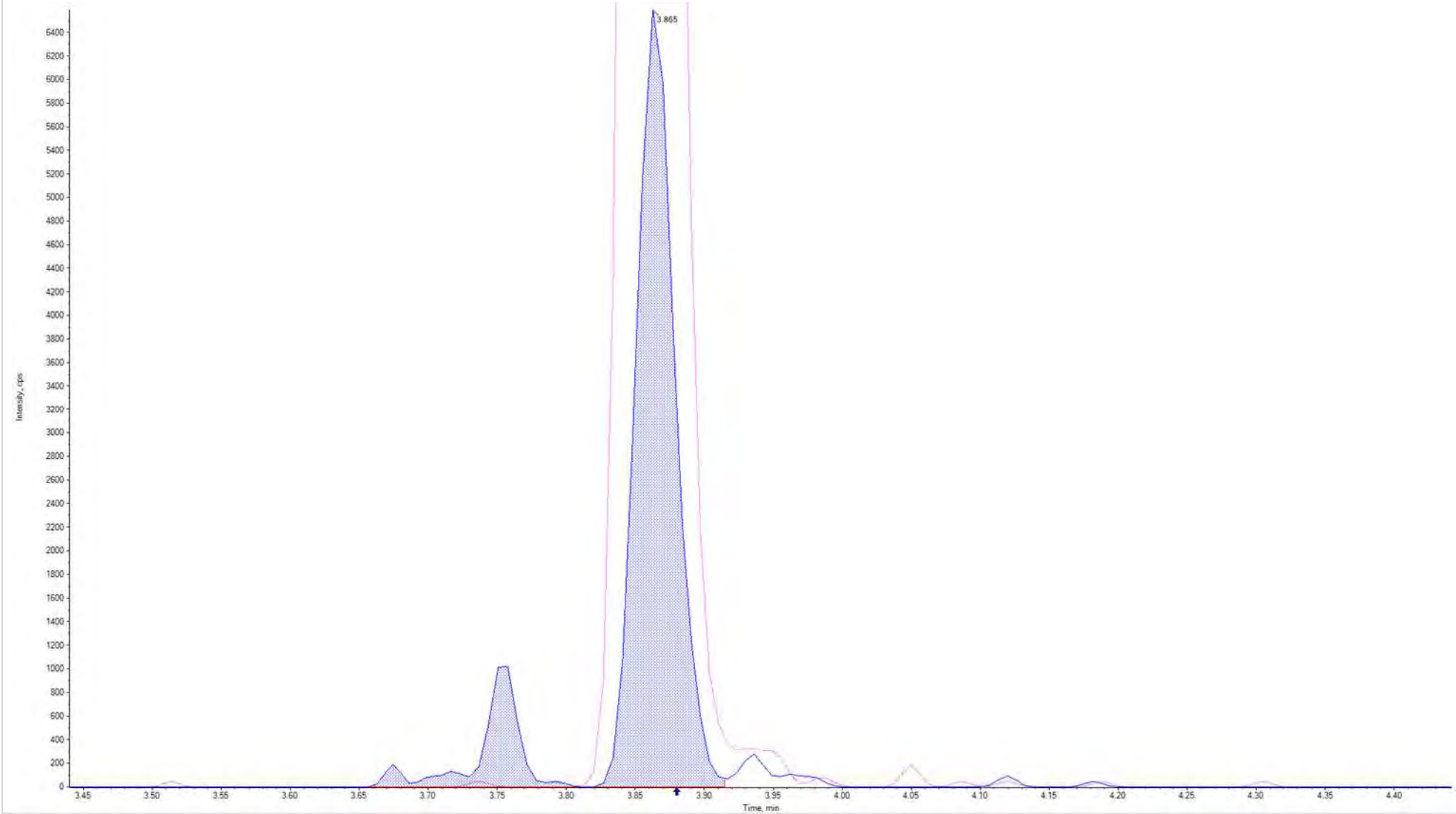
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

NEtFOSA_2
Sample: WG2012727-4 S/N:392.2 Points Across peak:61



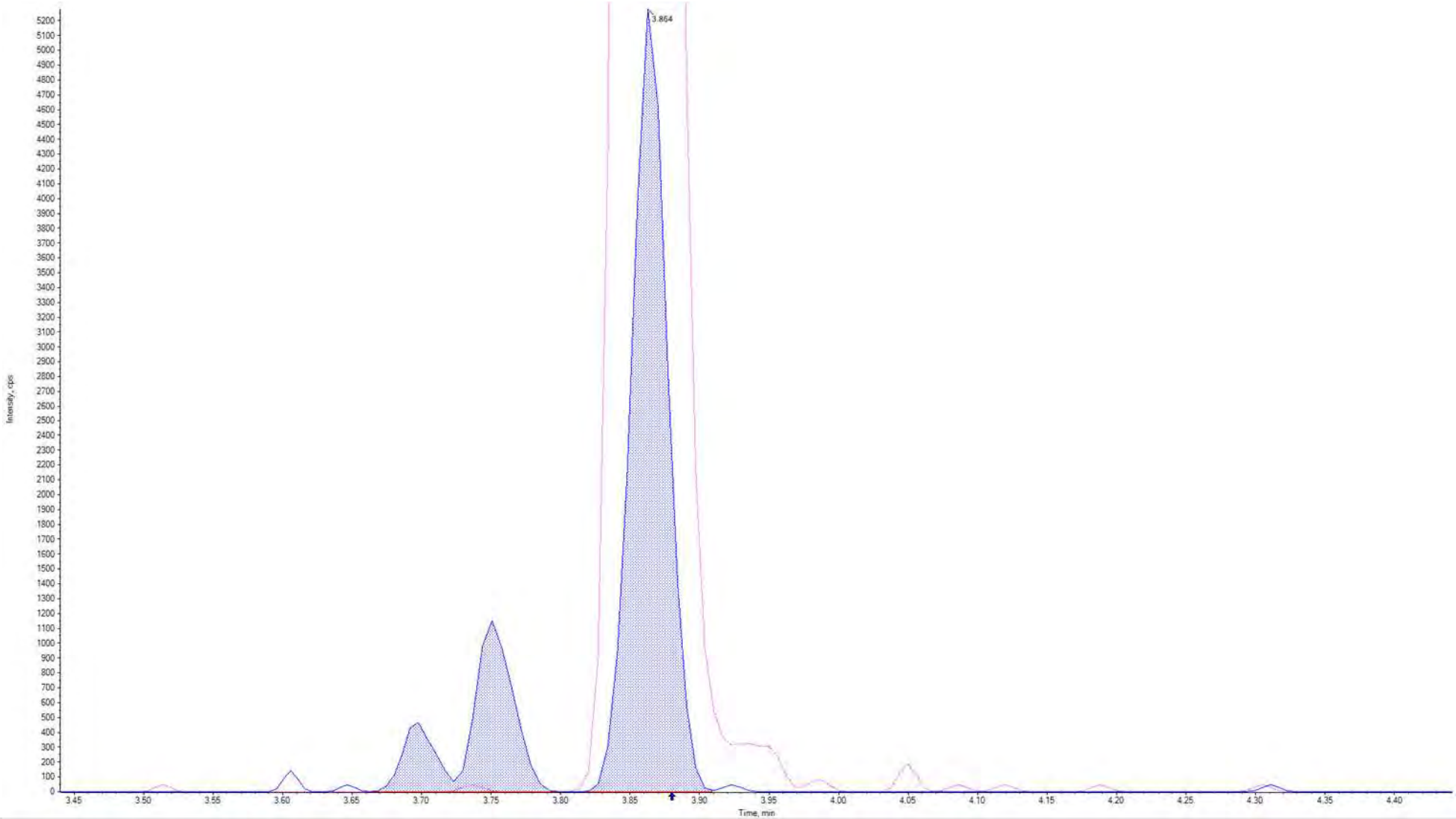
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

NMeFOSAA
Sample: WG2012727-4 S/N:132.2 Points Across peak:40



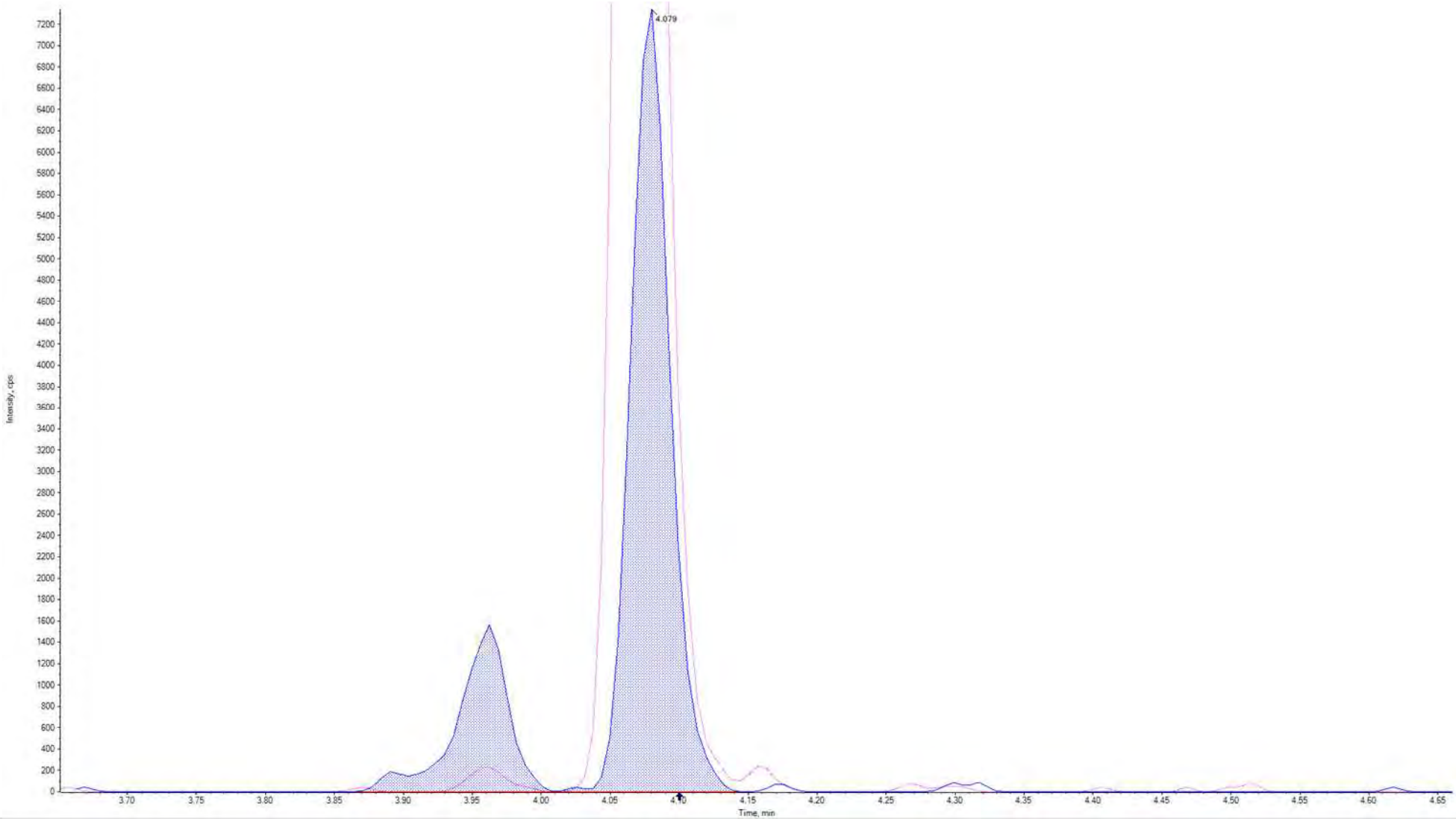
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

NMeFOSAA_2
Sample: WG2012727-4 S/N:105.8 Points Across peak:38



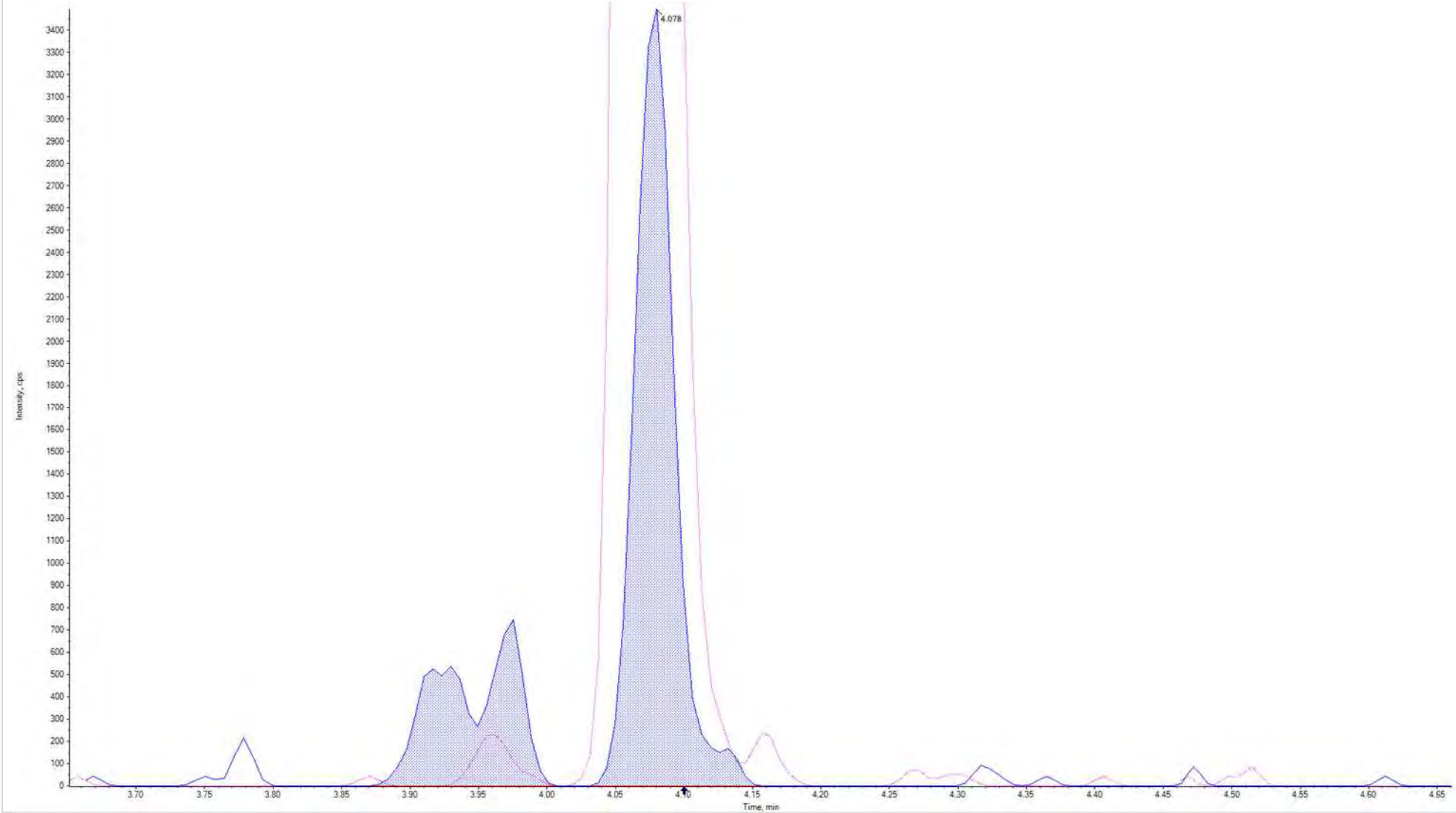
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

NEtFOSAA
Sample: WG2012727-4 S/N:165.6 Points Across peak:45



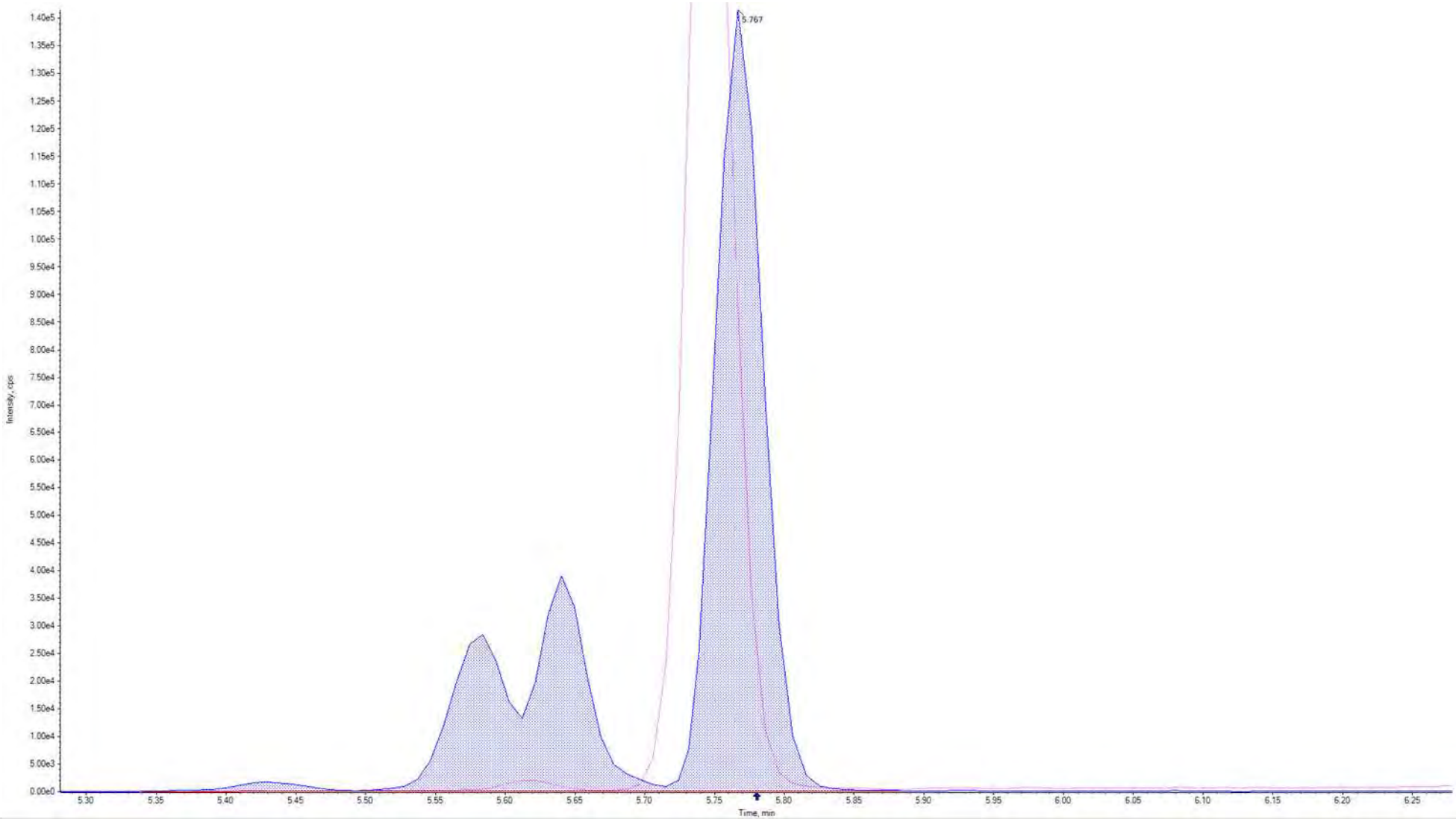
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

NEtFOSAA_2
Sample: WG2012727-4 S/N:78.8 Points Across peak:48



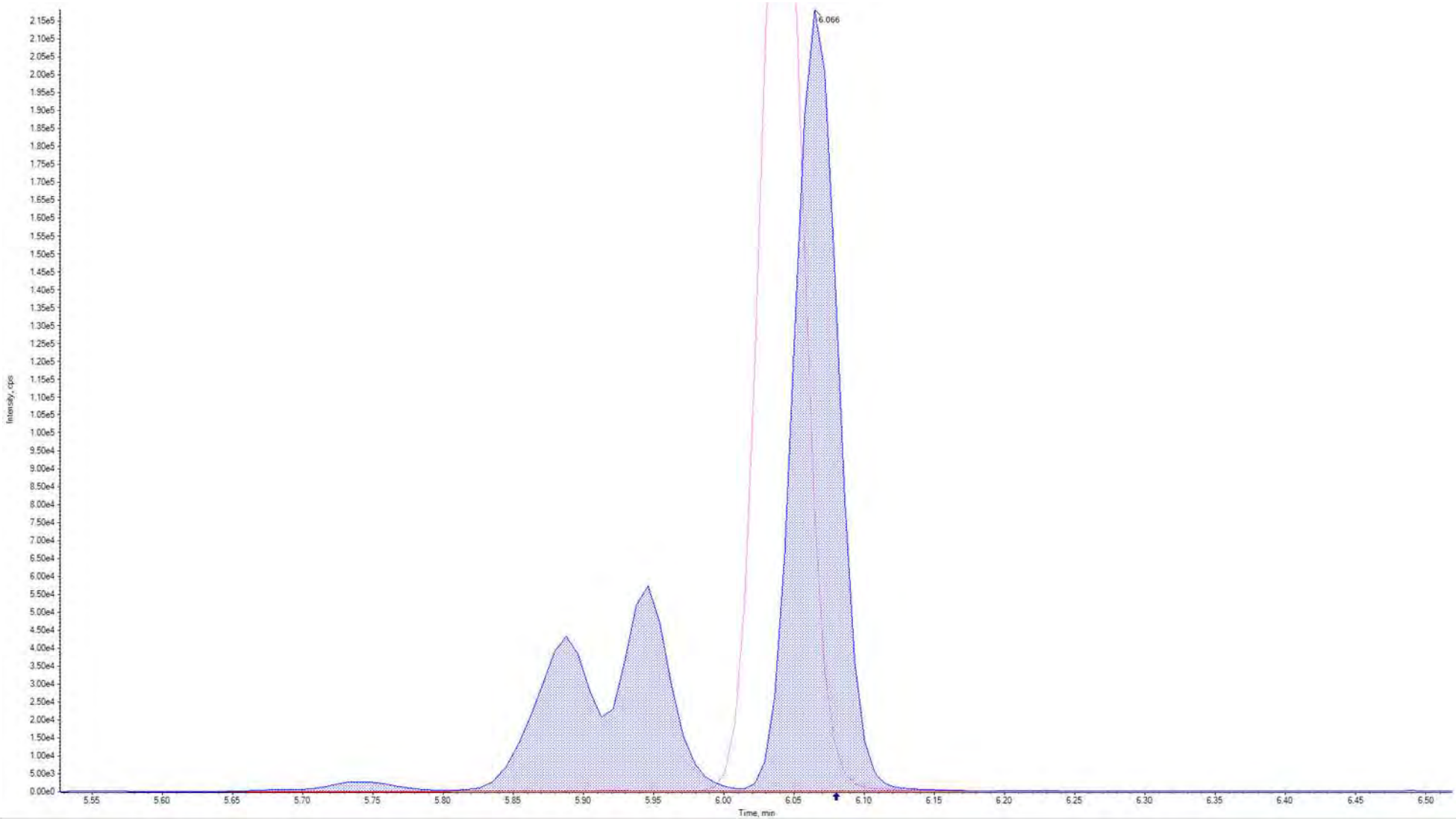
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

NMeFOSE
Sample: WG2012727-4 S/N:231.7 Points Across peak:66



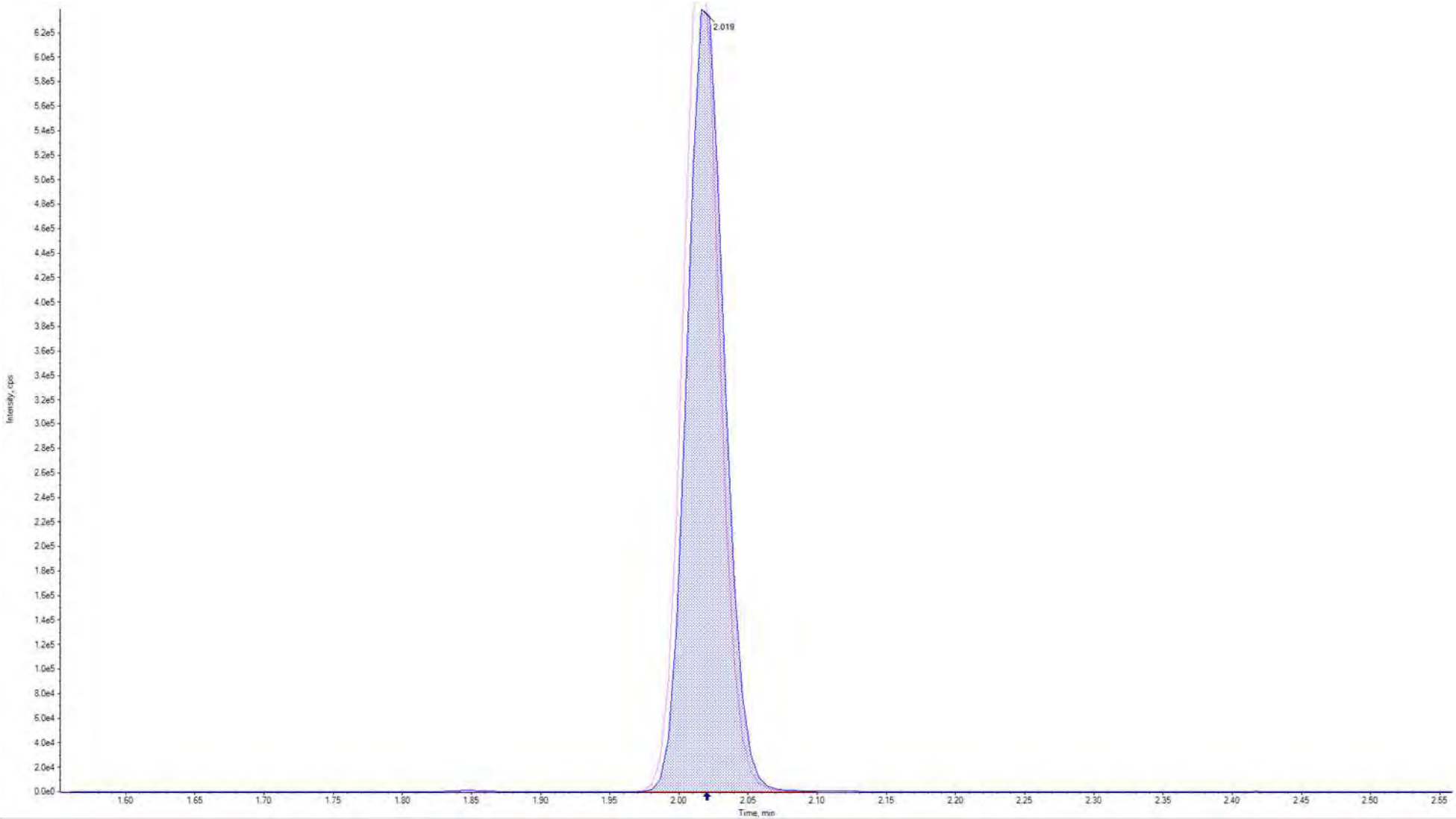
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

NEtFOSE
Sample: WG2012727-4 S/N:271.5 Points Across peak:69



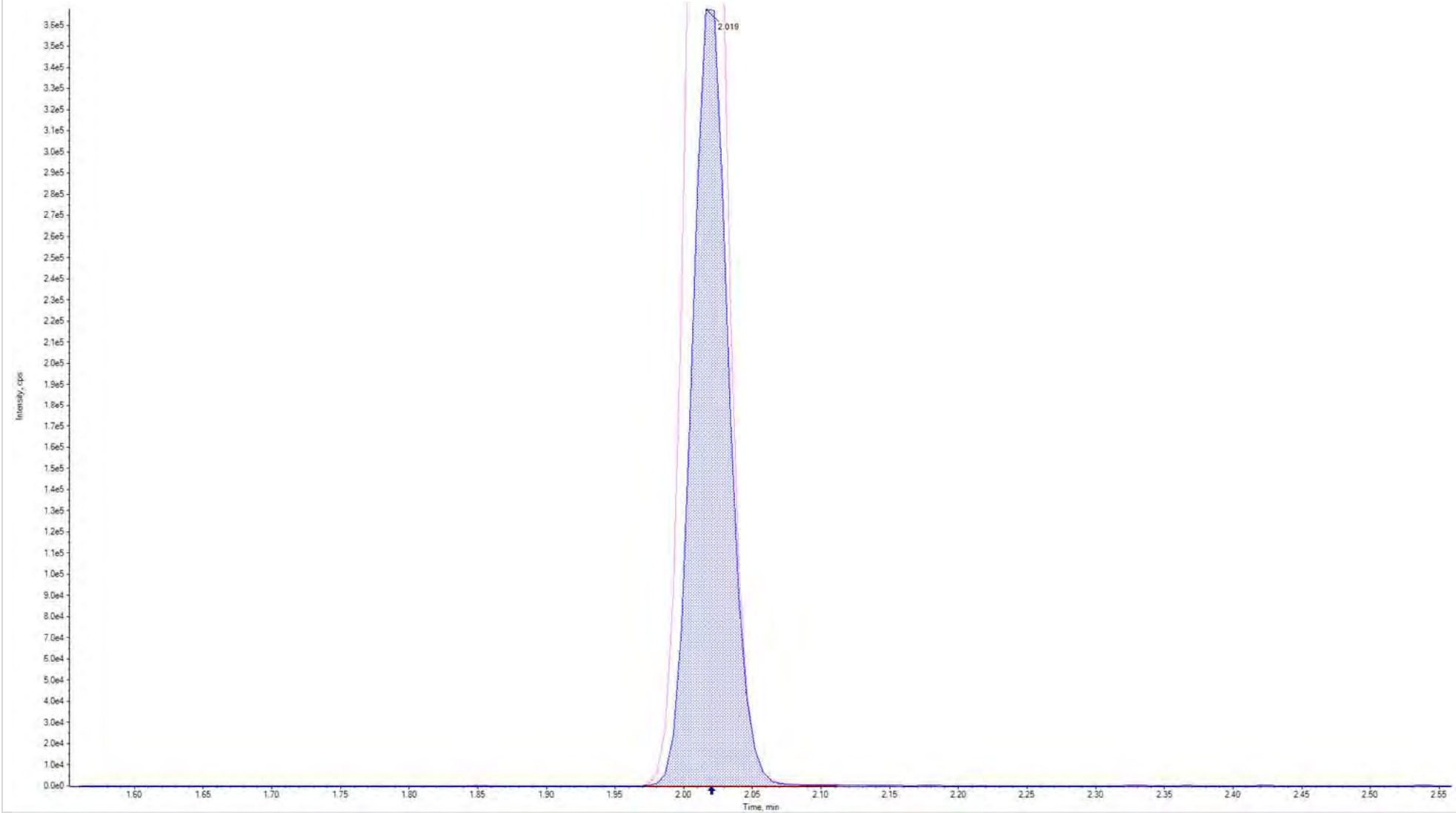
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

HFPO-DA
Sample: WG2012727-4 S/N:14421.3 Points Across peak:24



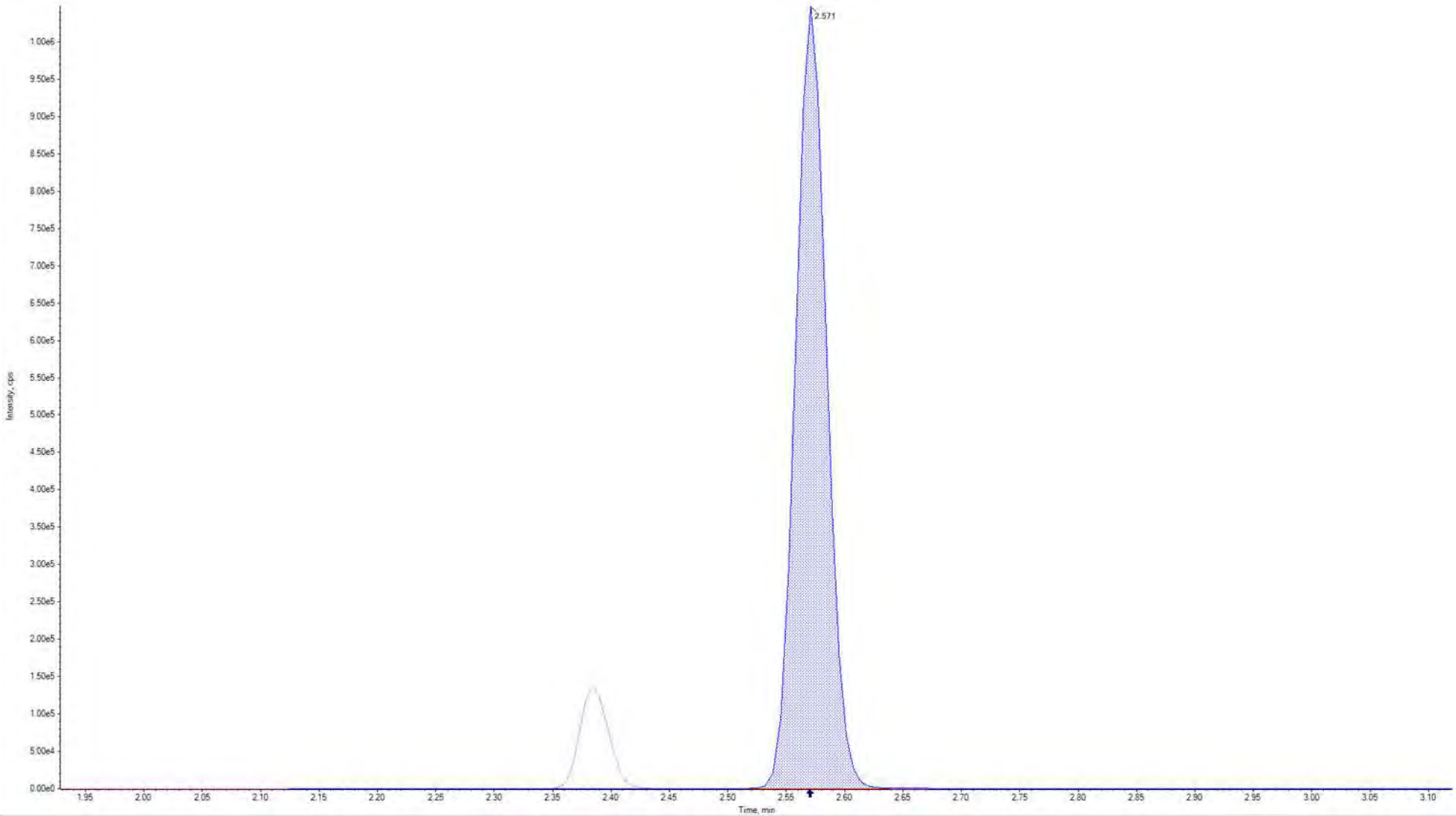
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

HFPO-DA_2
Sample: WG2012727-4 S/N:8291.9 Points Across peak:28



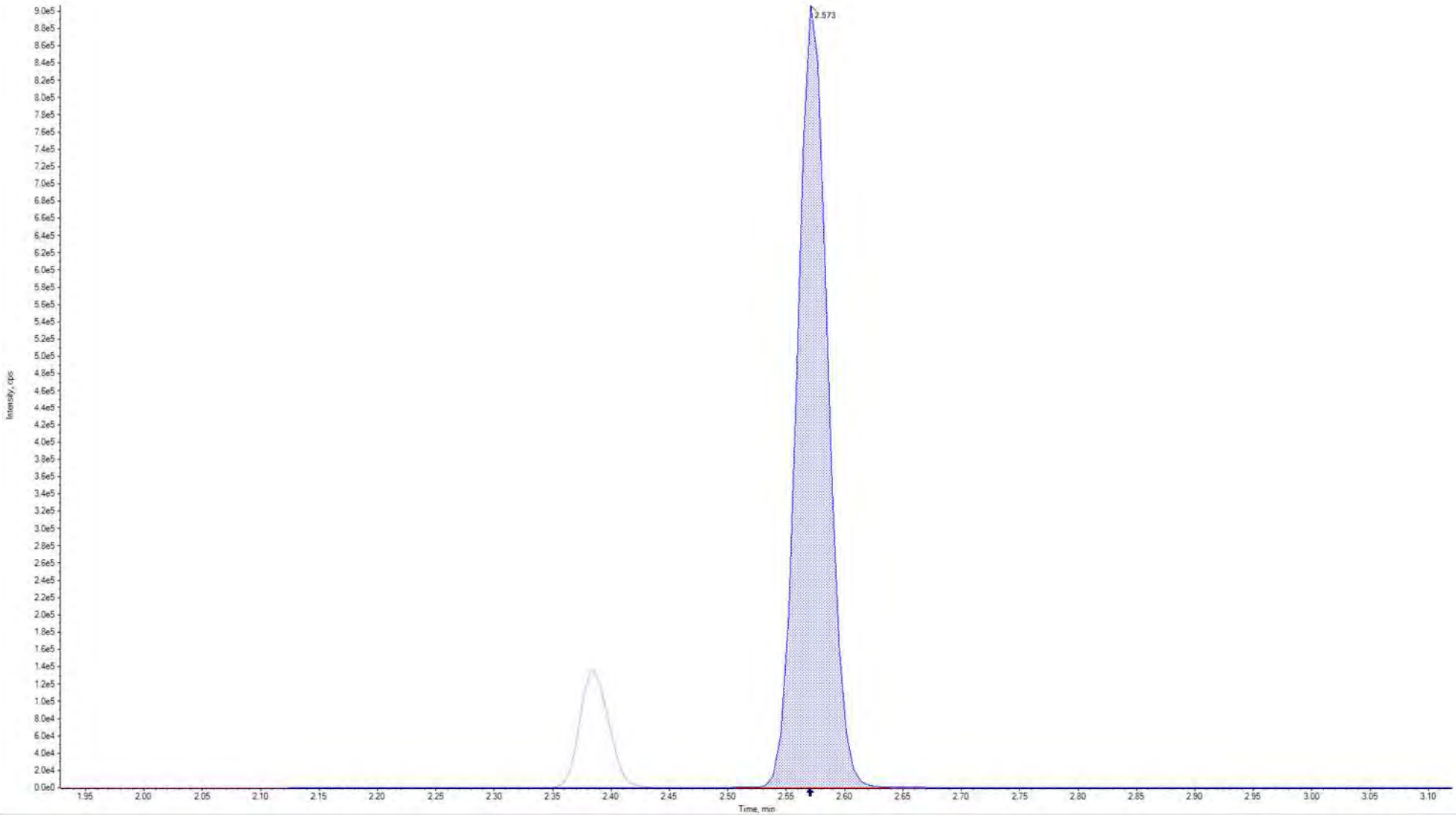
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

ADONA
Sample: WG2012727-4 S/N:6506.5 Points Across peak:29



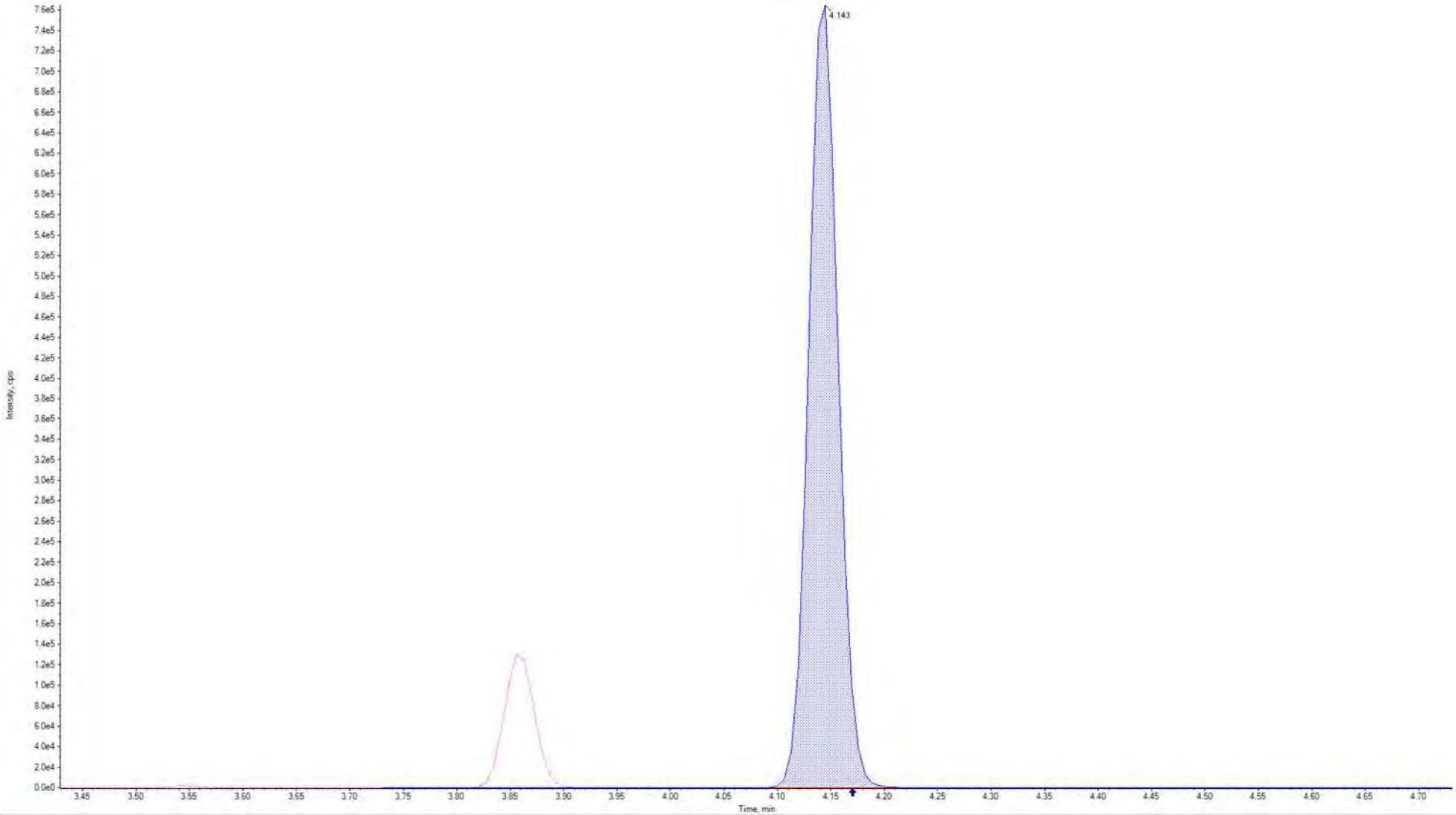
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

ADONA_2
Sample: WG2012727-4 S/N:18181.6 Points Across peak:26



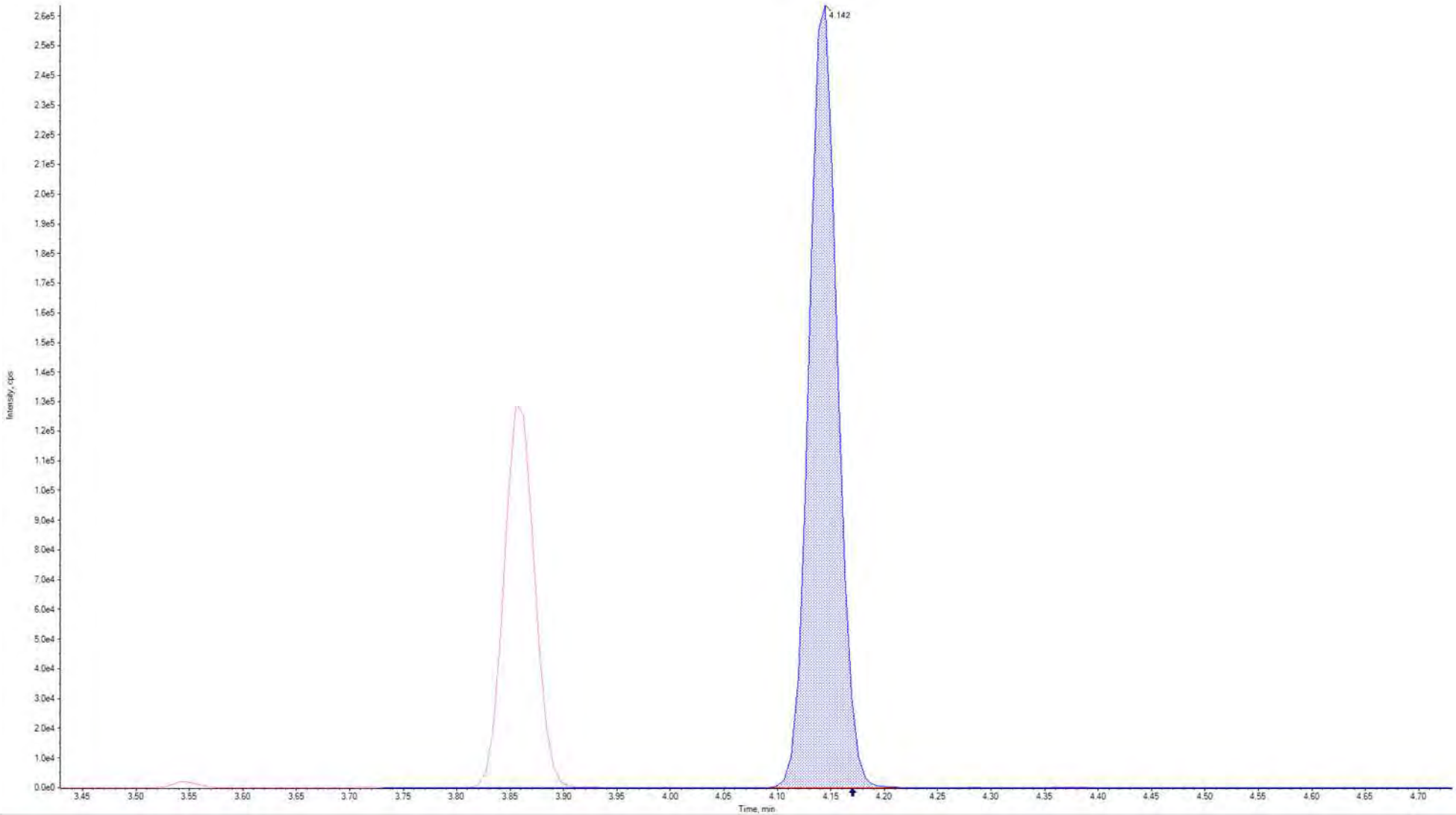
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

9Cl-PF3ONS
Sample: WG2012727-4 S/N:7975.7 Points Across peak:24



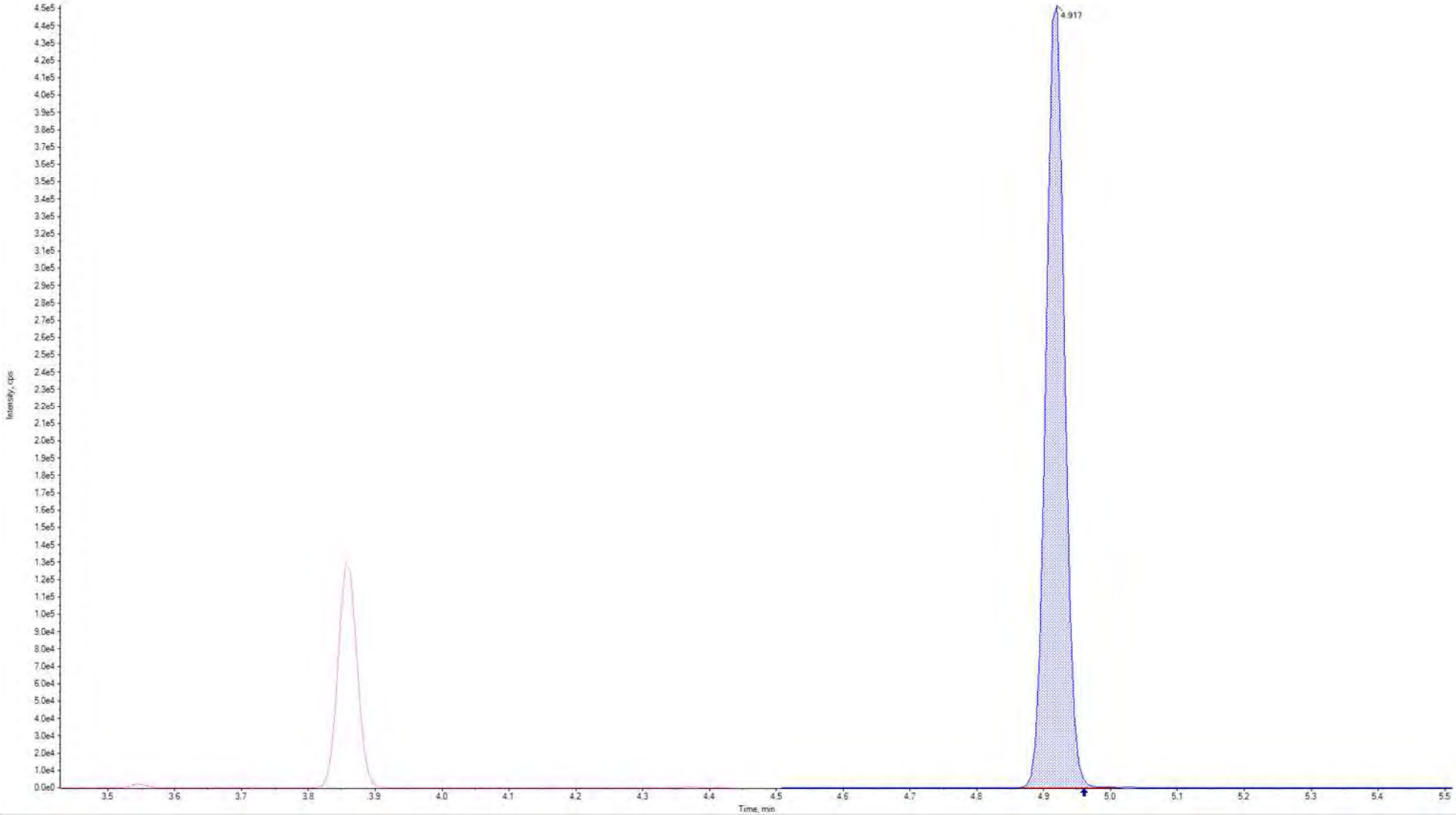
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

9Cl-PF3ONS_2
Sample: WG2012727-4 S/N:5947.1 Points Across peak:29



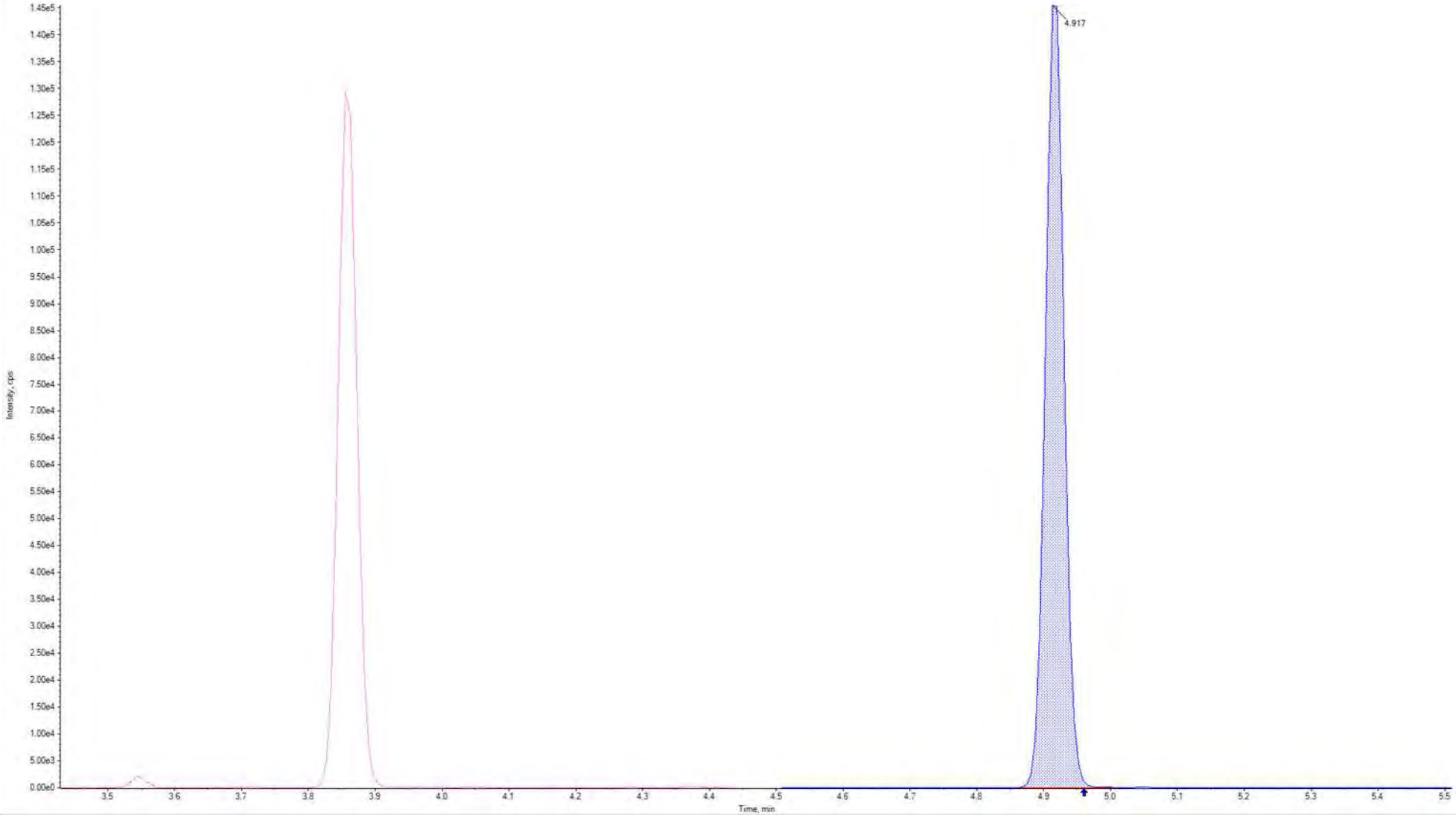
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

11Cl-PF3OUdS
Sample: WG2012727-4 S/N:8704.5 Points Across peak:24



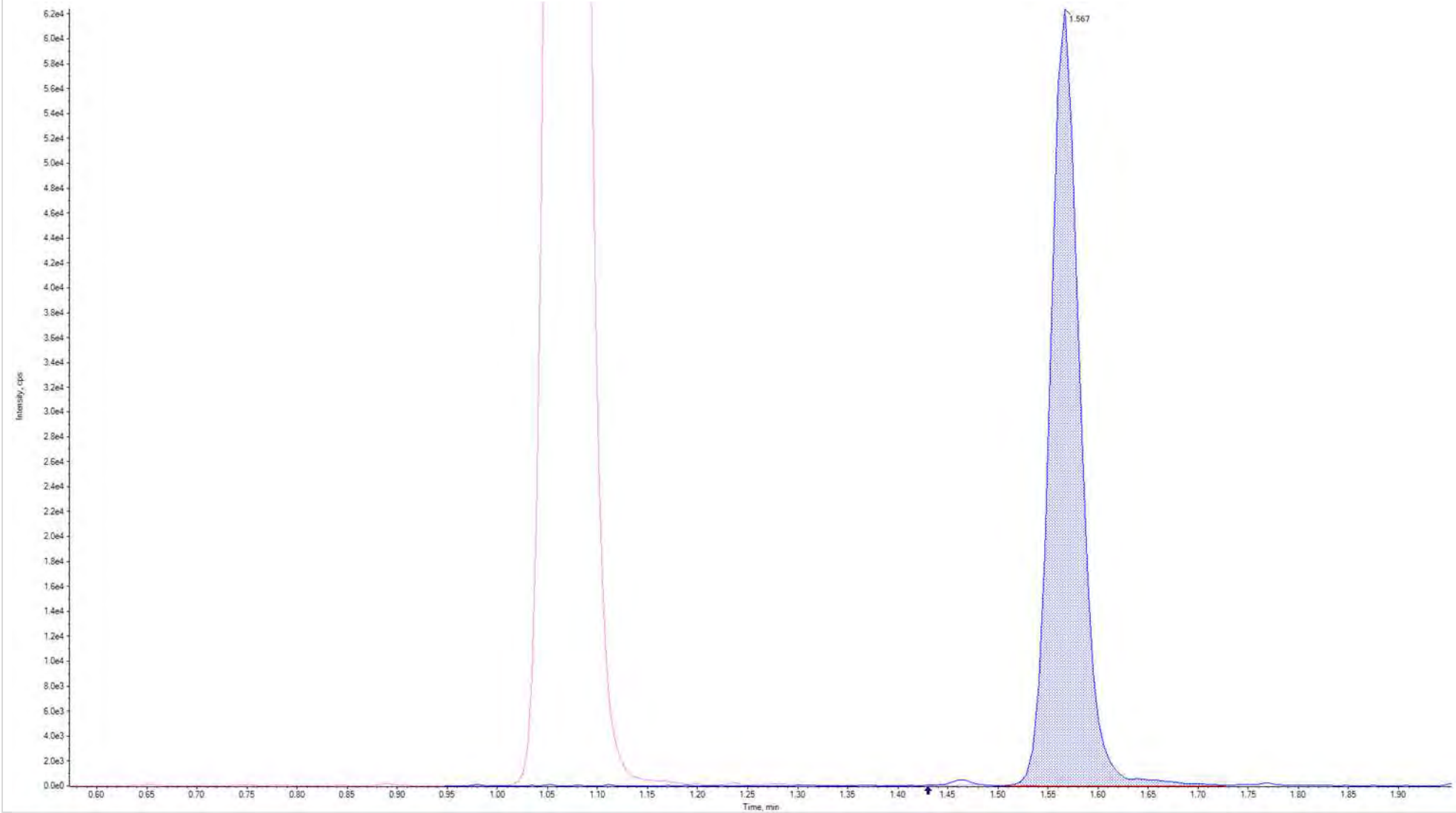
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

11Cl-PF3OUdS_2
Sample: WG2012727-4 S/N:5285.6 Points Across peak:27



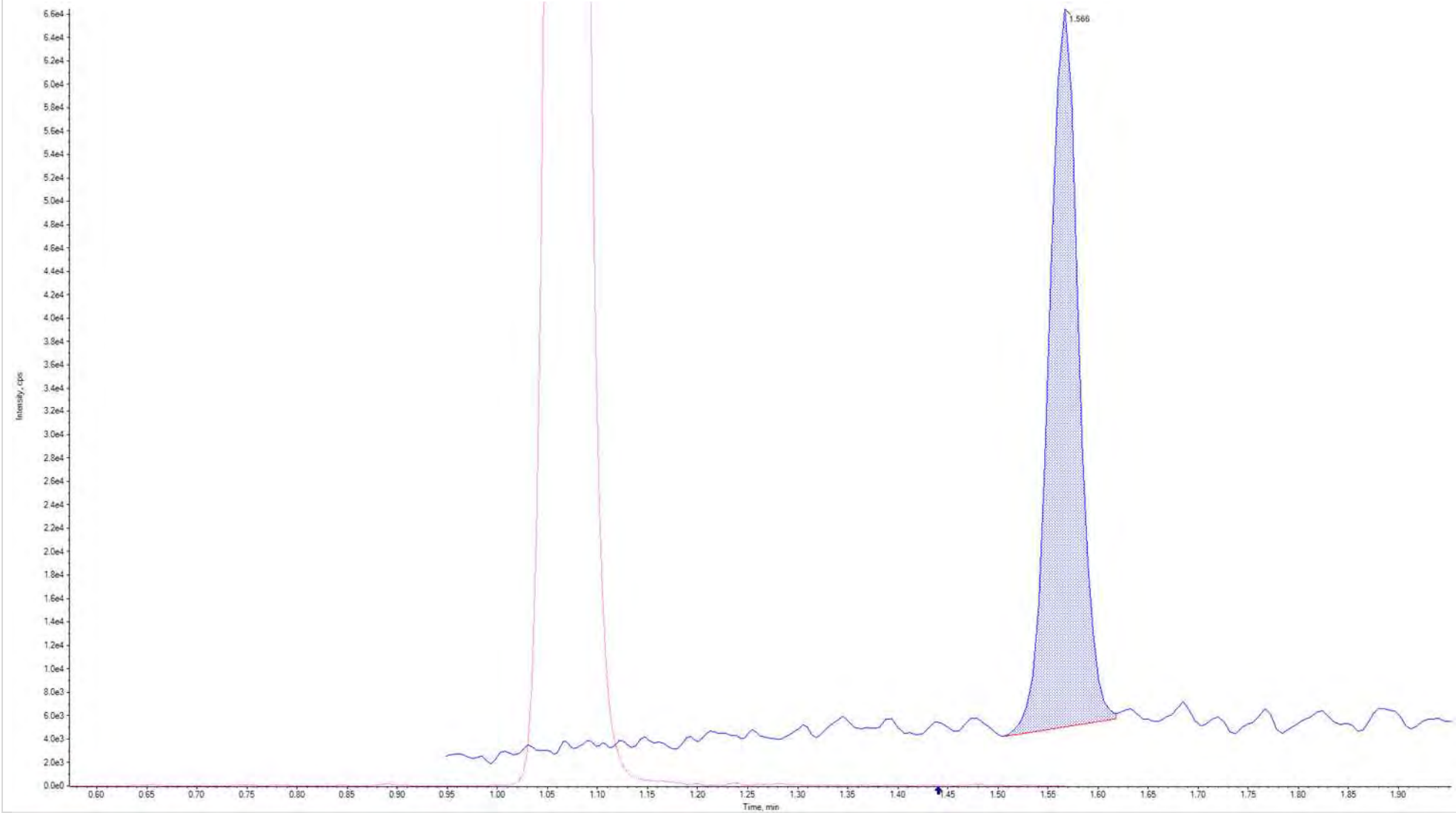
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

3:3FTCA
Sample: WG2012727-4 S/N:1563.5 Points Across peak:40



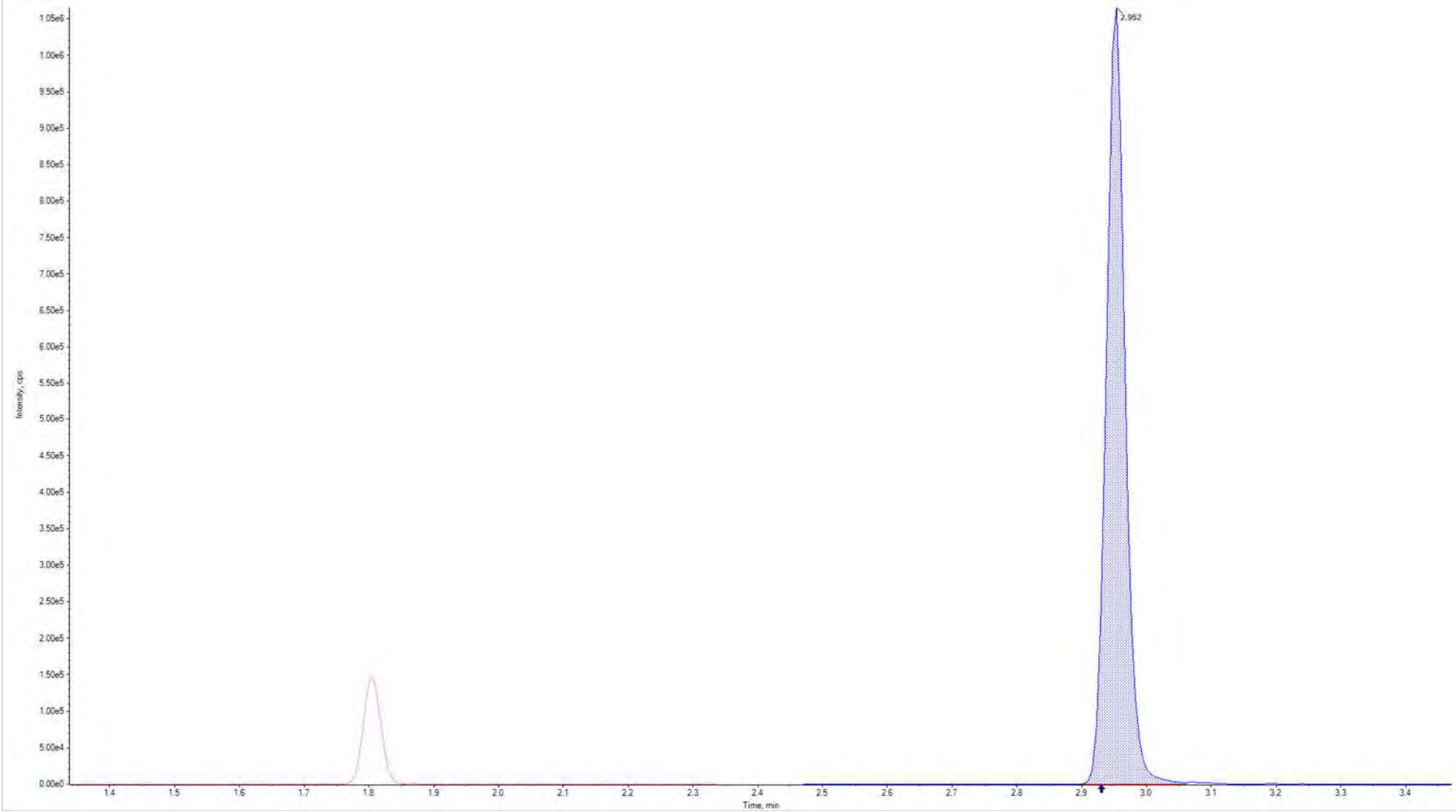
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

3:3FTCA_2
Sample: WG2012727-4 S/N:208.4 Points Across peak:21



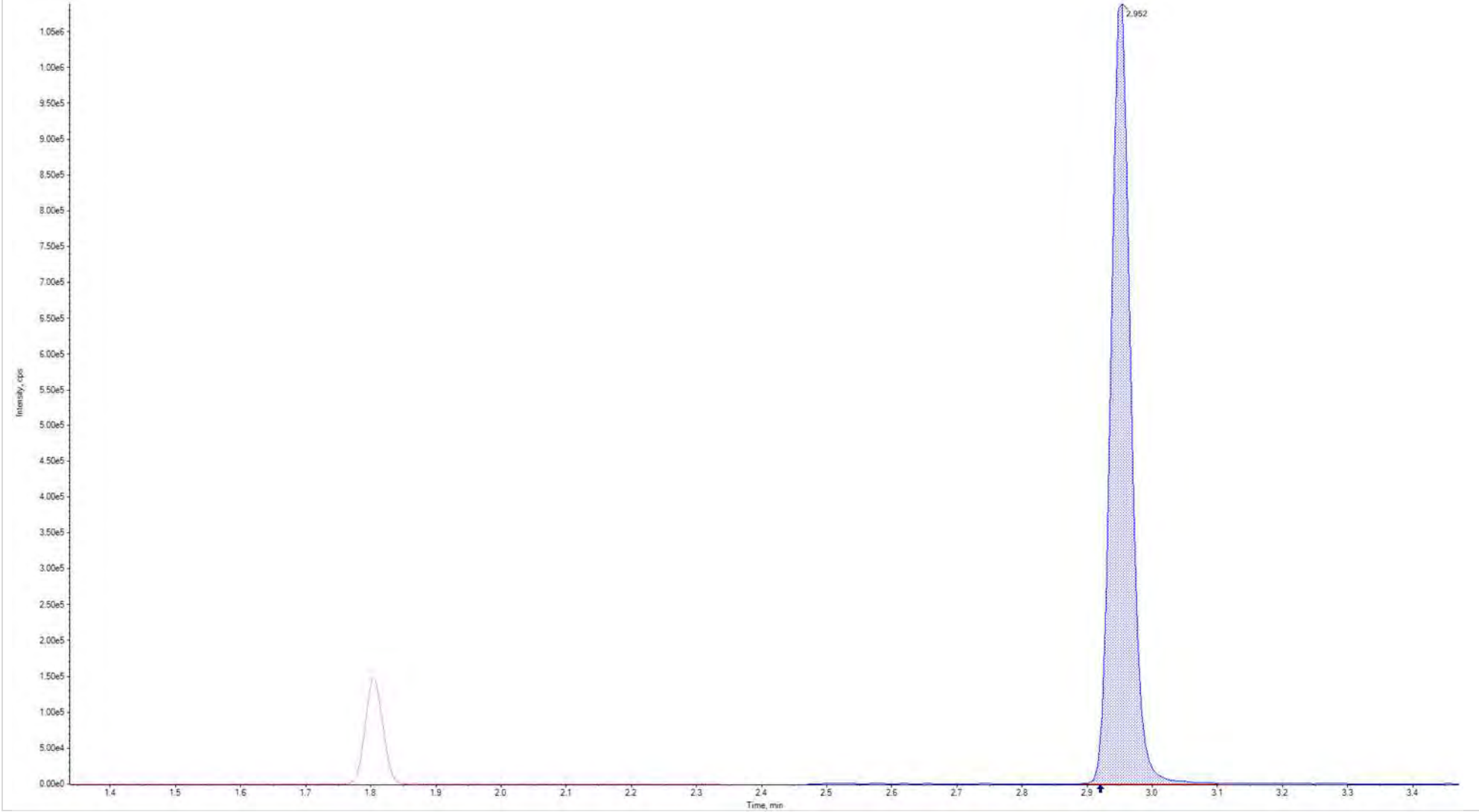
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

5:3FTCA
Sample: WG2012727-4 S/N:24034.9 Points Across peak:32



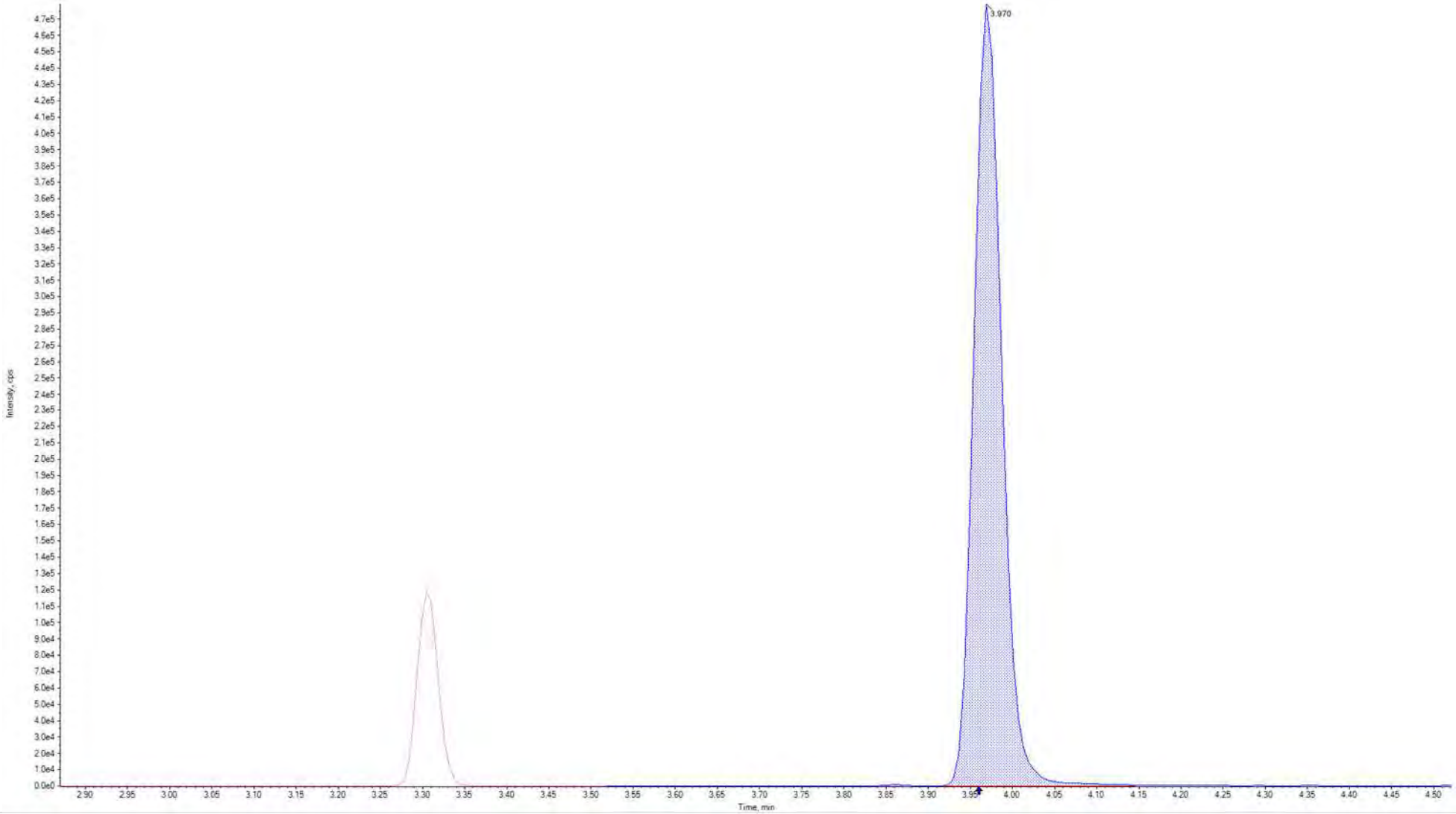
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

5:3FTCA_2
Sample: WG2012727-4 S/N:5321.3 Points Across peak:38



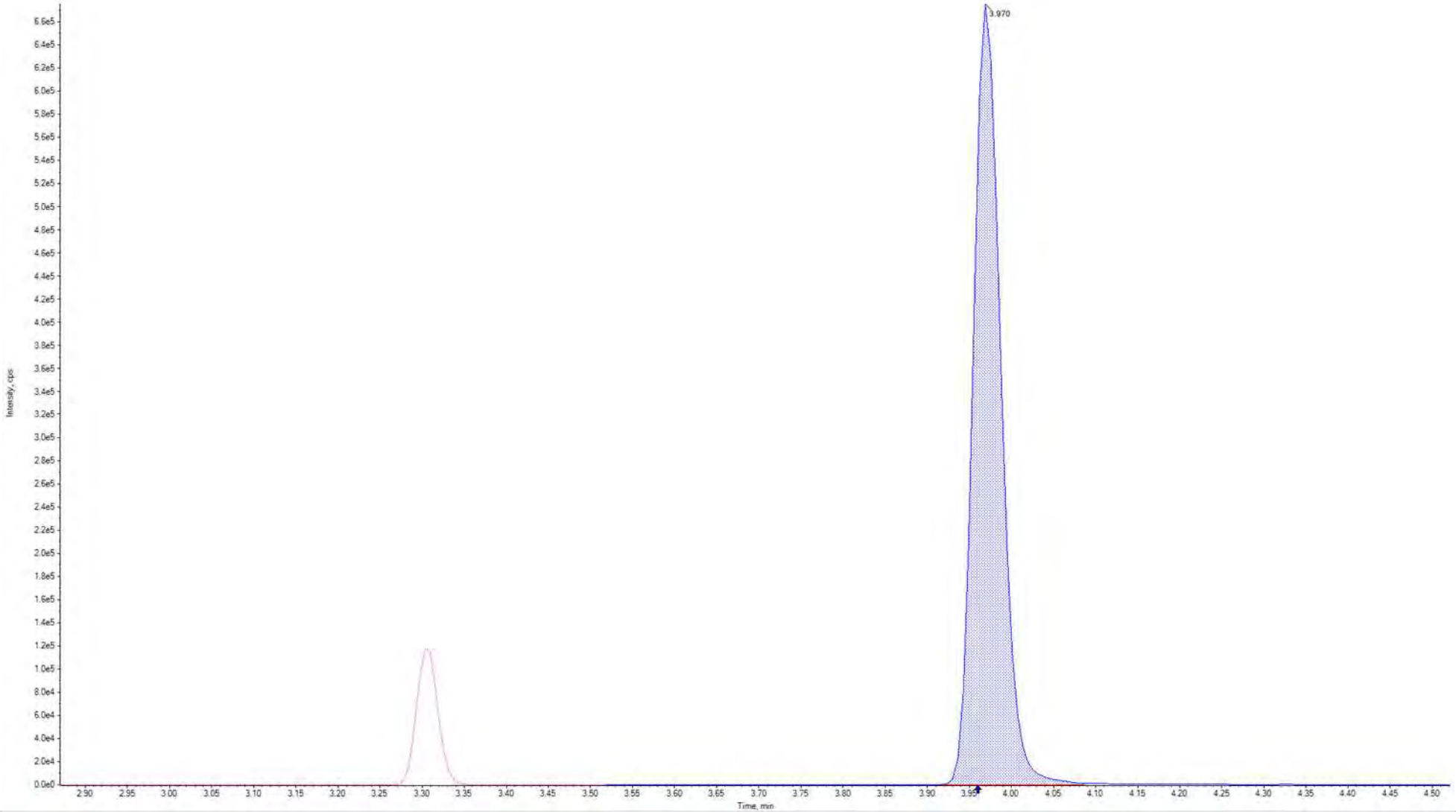
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

7:3FTCA
Sample: WG2012727-4 S/N:13216.9 Points Across peak:39



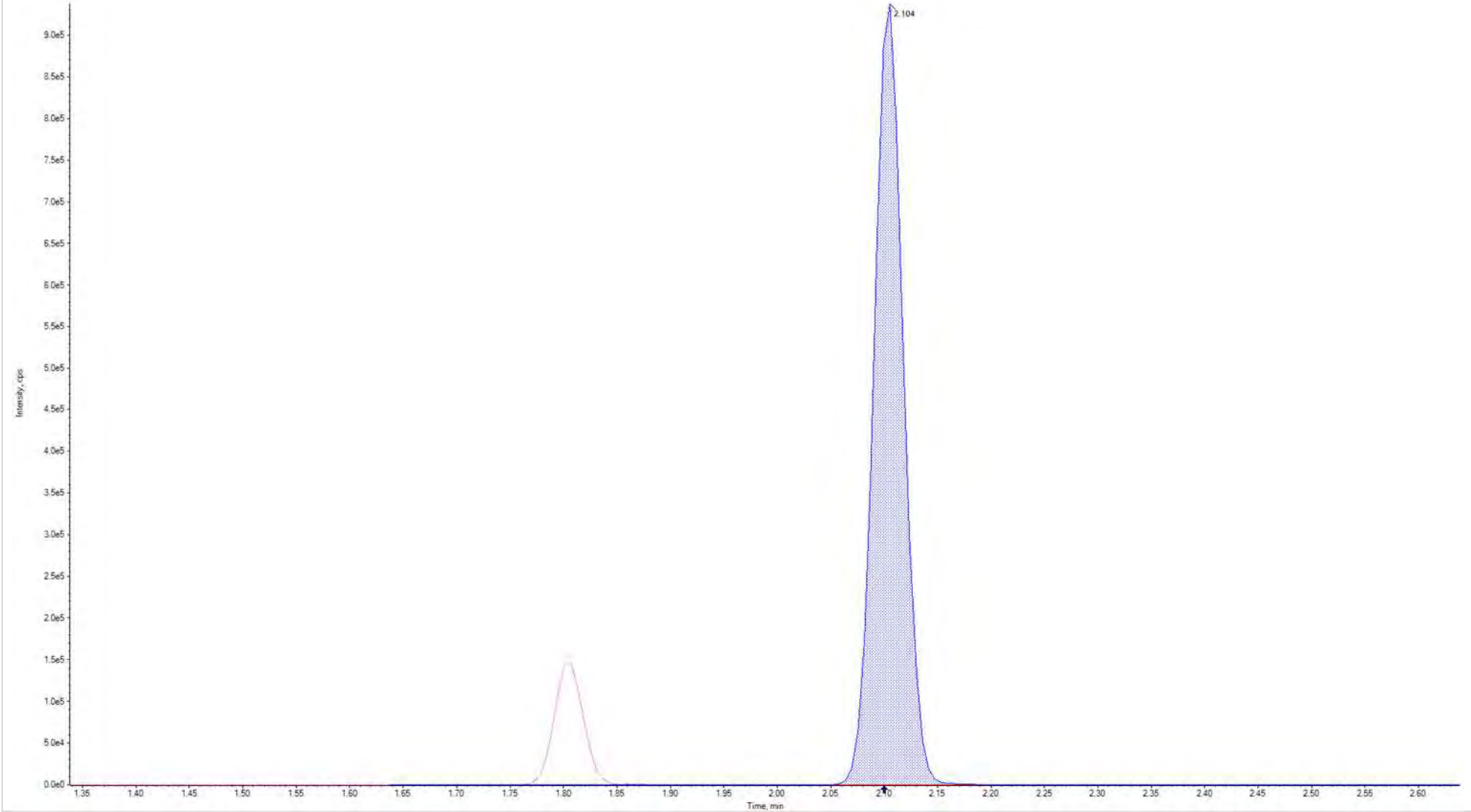
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

7:3FTCA_2
Sample: WG2012727-4 S/N:18621.3 Points Across peak:30



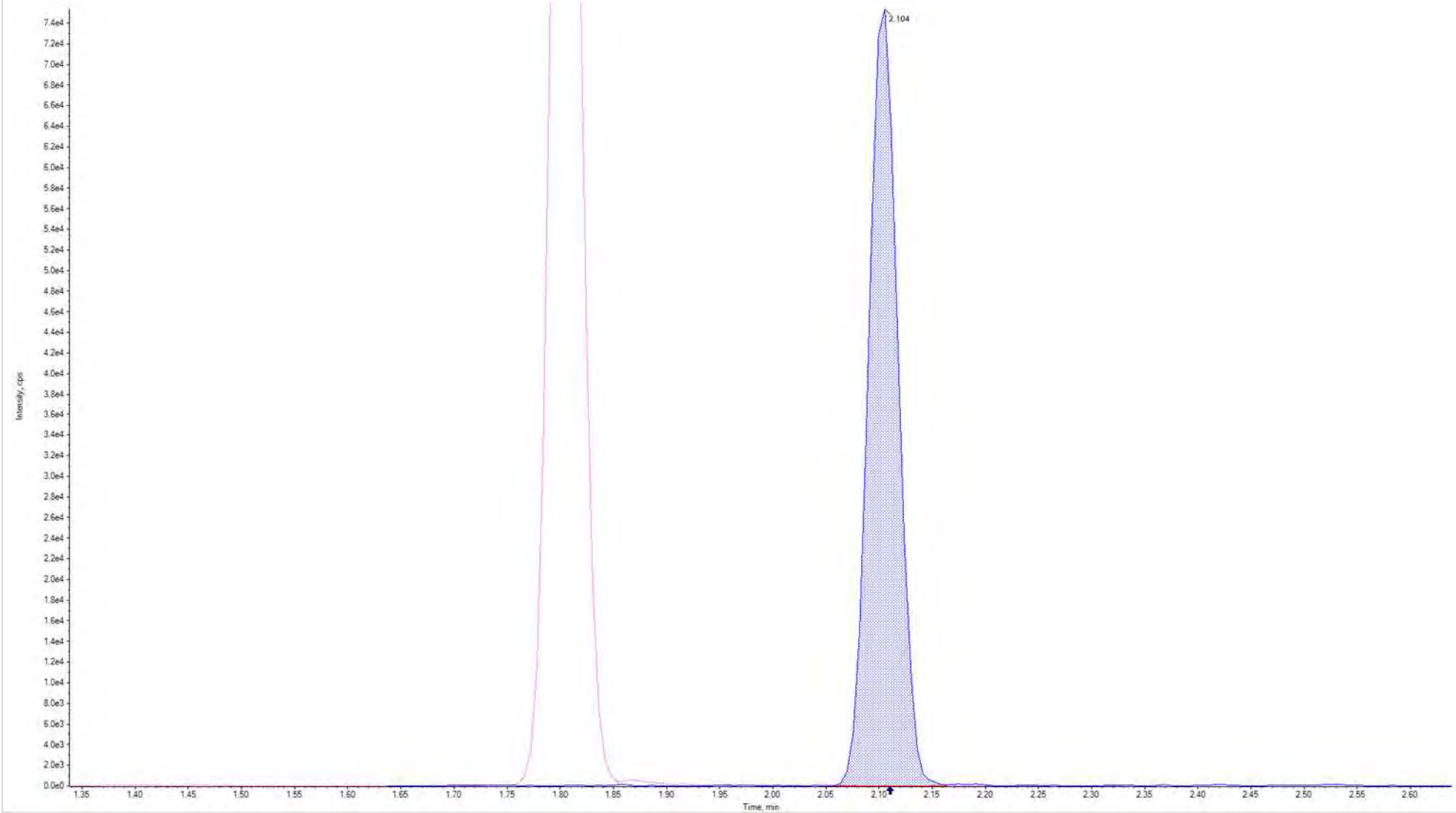
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFEESA
Sample: WG2012727-4 S/N:21150.3 Points Across peak:35



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFEESA_2
Sample: WG2012727-4 S/N:1699.9 Points Across peak:20



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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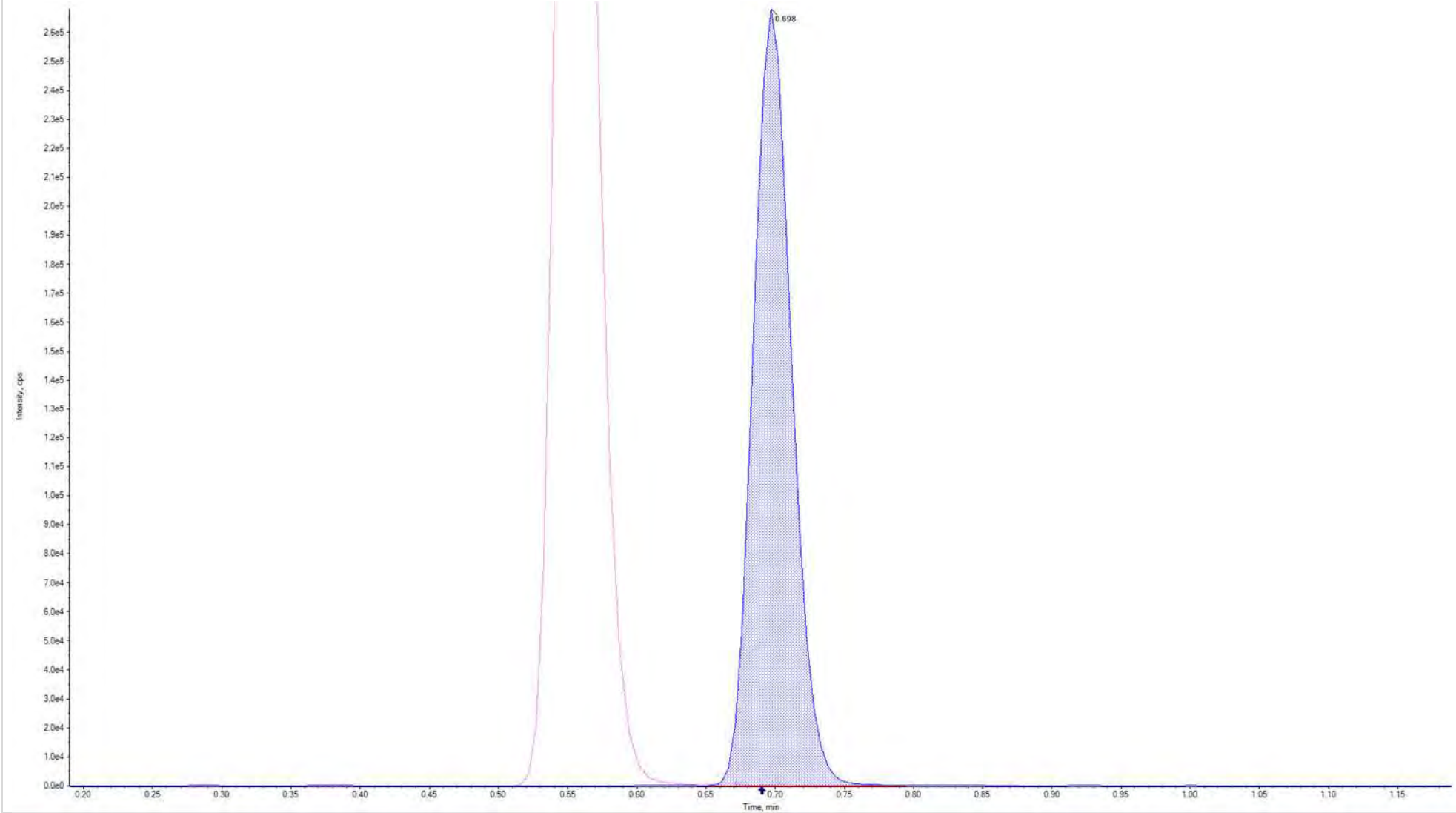
Generated: 12/23/2024 2:36:12 PM

PFMPA
Sample: WG2012727-4 S/N:12805.5 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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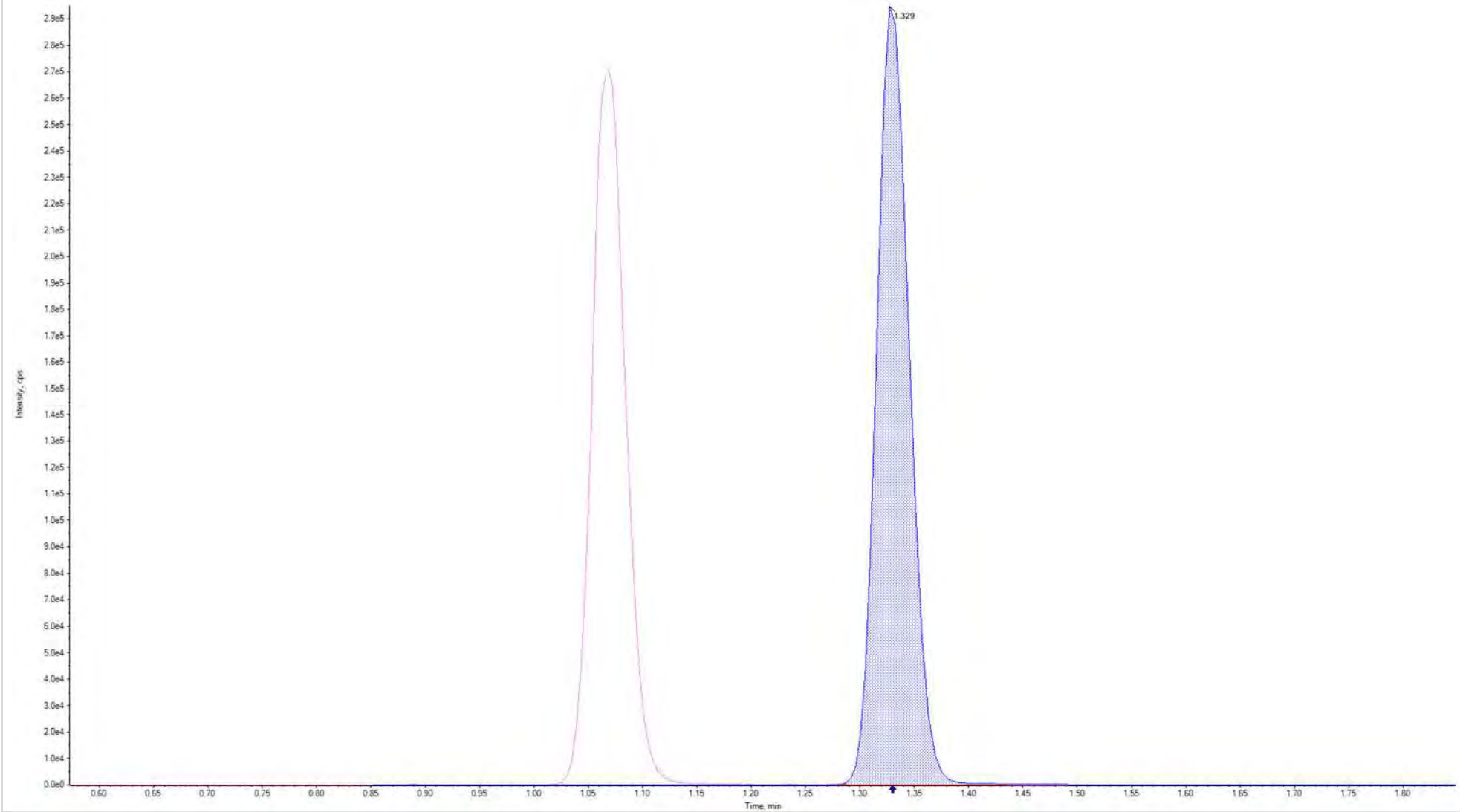
PFMBA
Sample: WG2012727-4 S/N:16994.2 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/24/2024 7:52:08 AM
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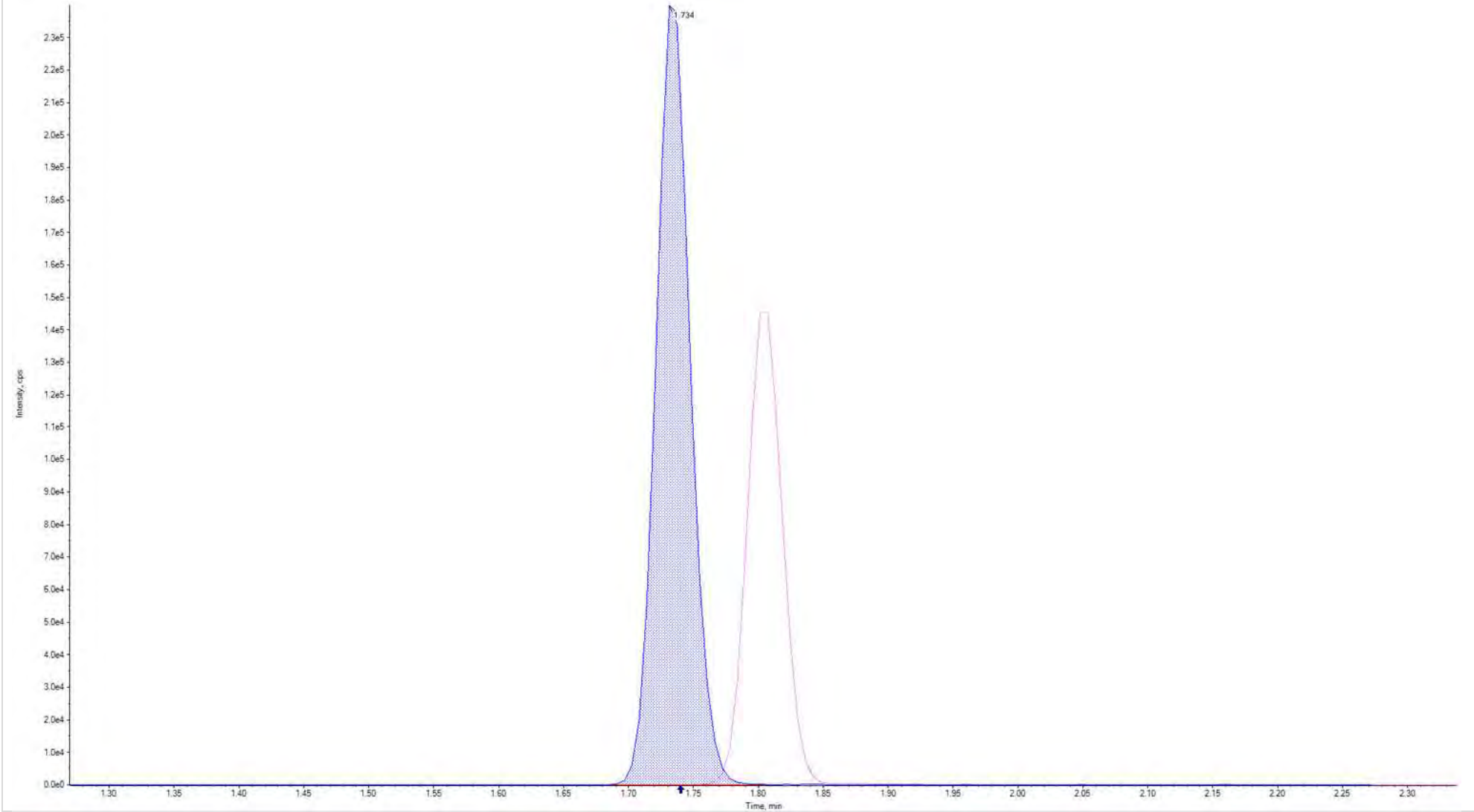
NFDHA
Sample: WG2012727-4 S/N:6614.6 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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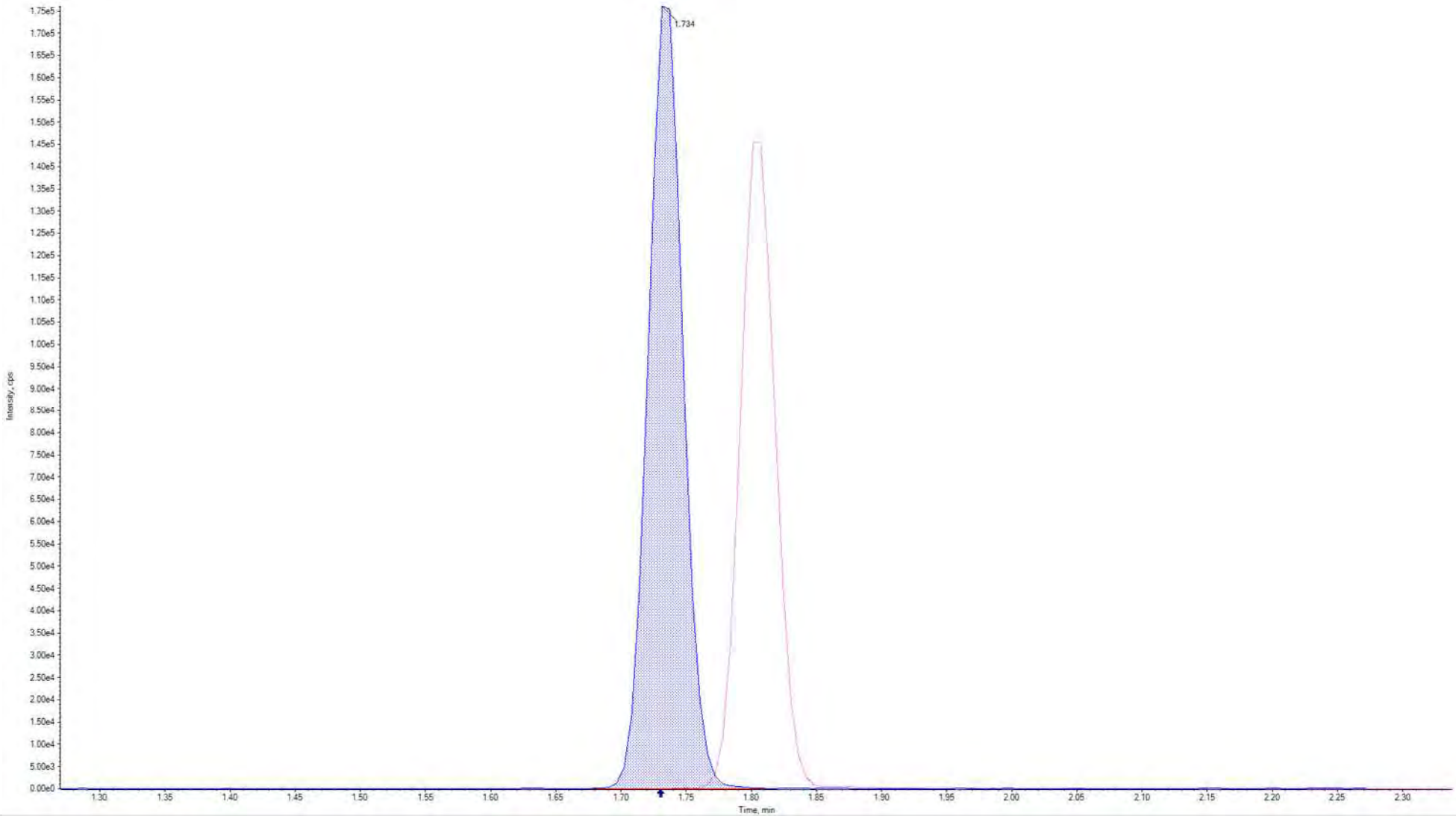
NFDHA_2
Sample: WG2012727-4 S/N:4503.5 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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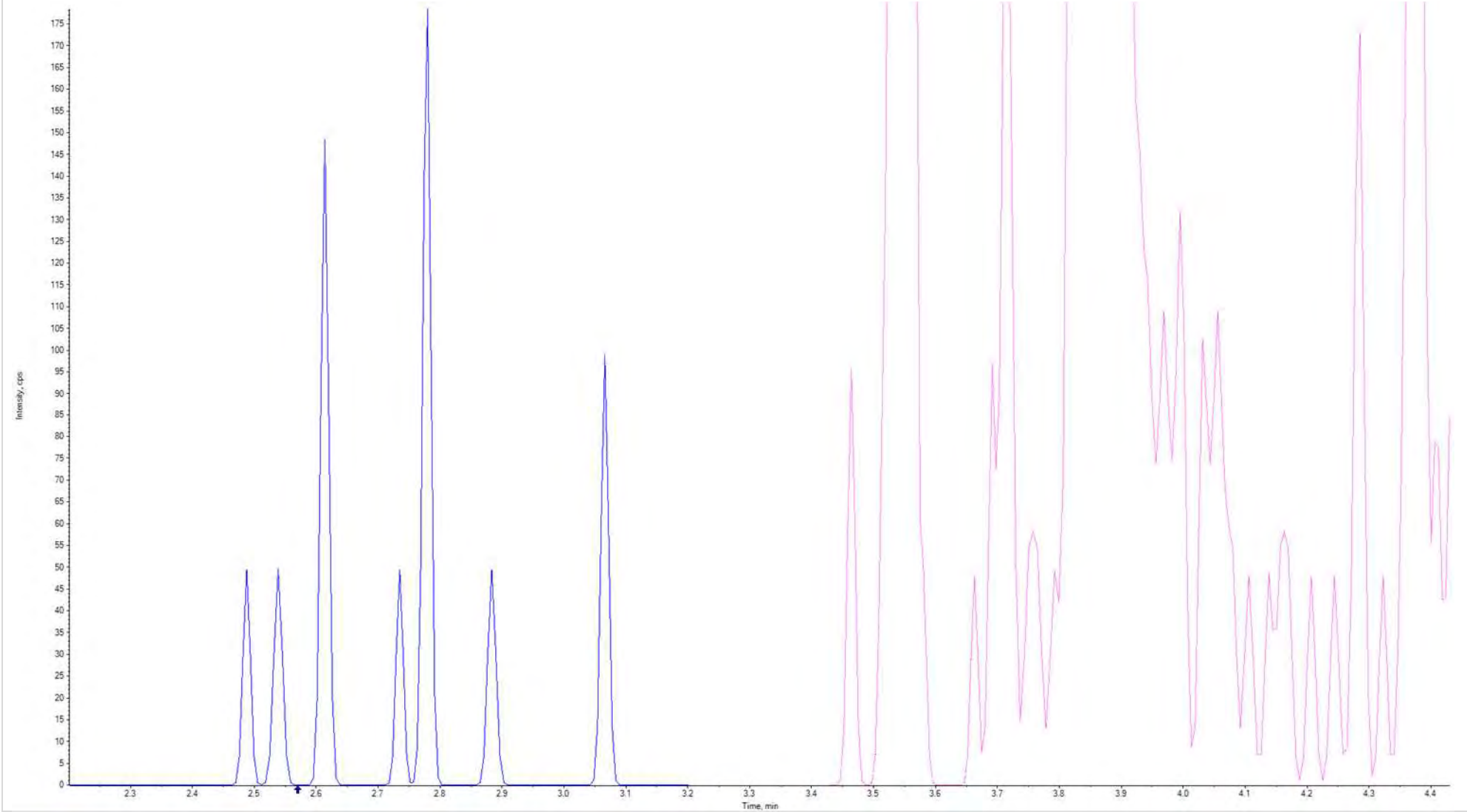
Generated: 12/23/2024 2:36:12 PM

TDCA
Sample: WG2012727-4 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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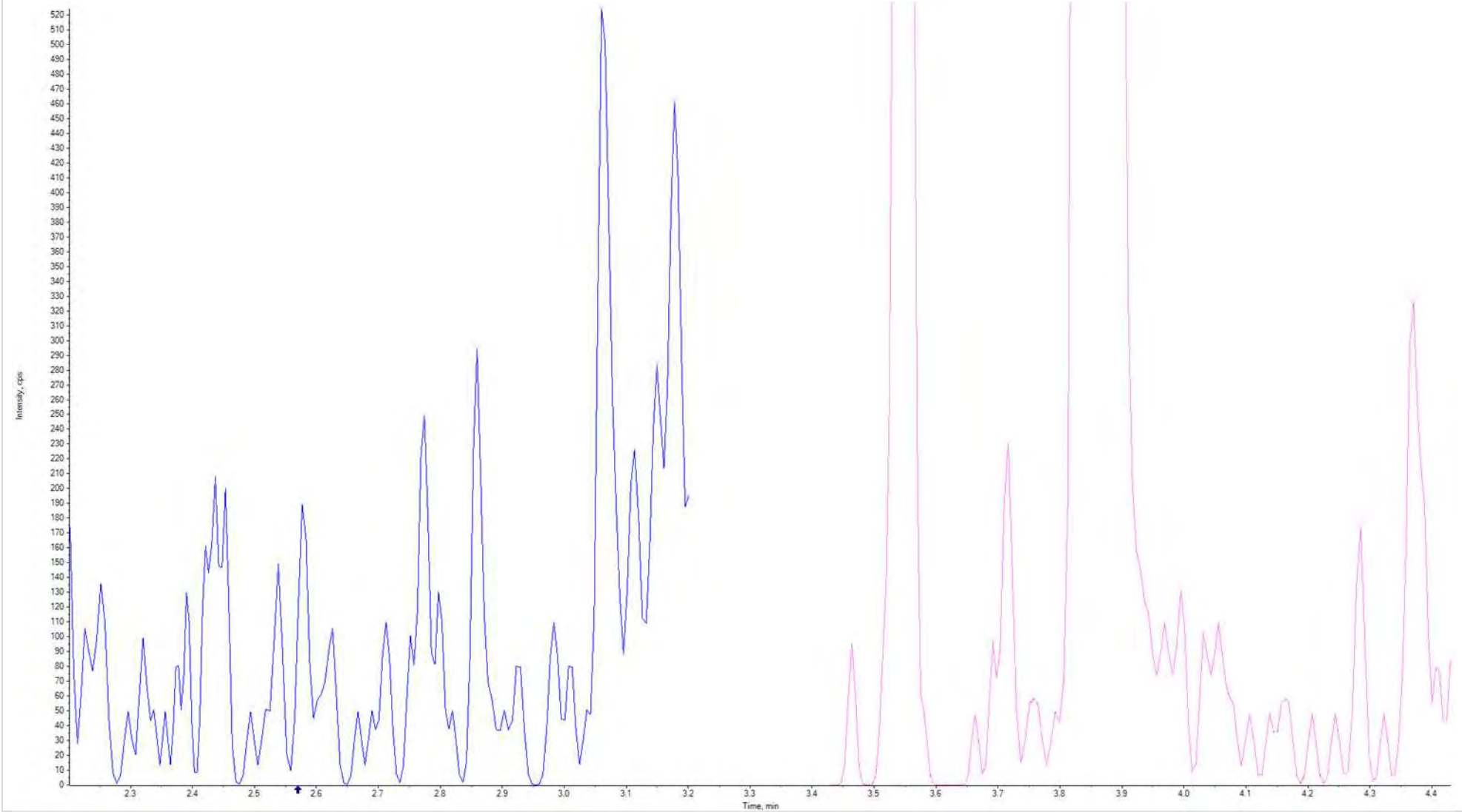
TDCA_2
Sample: WG2012727-4 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/24/2024 7:52:08 AM
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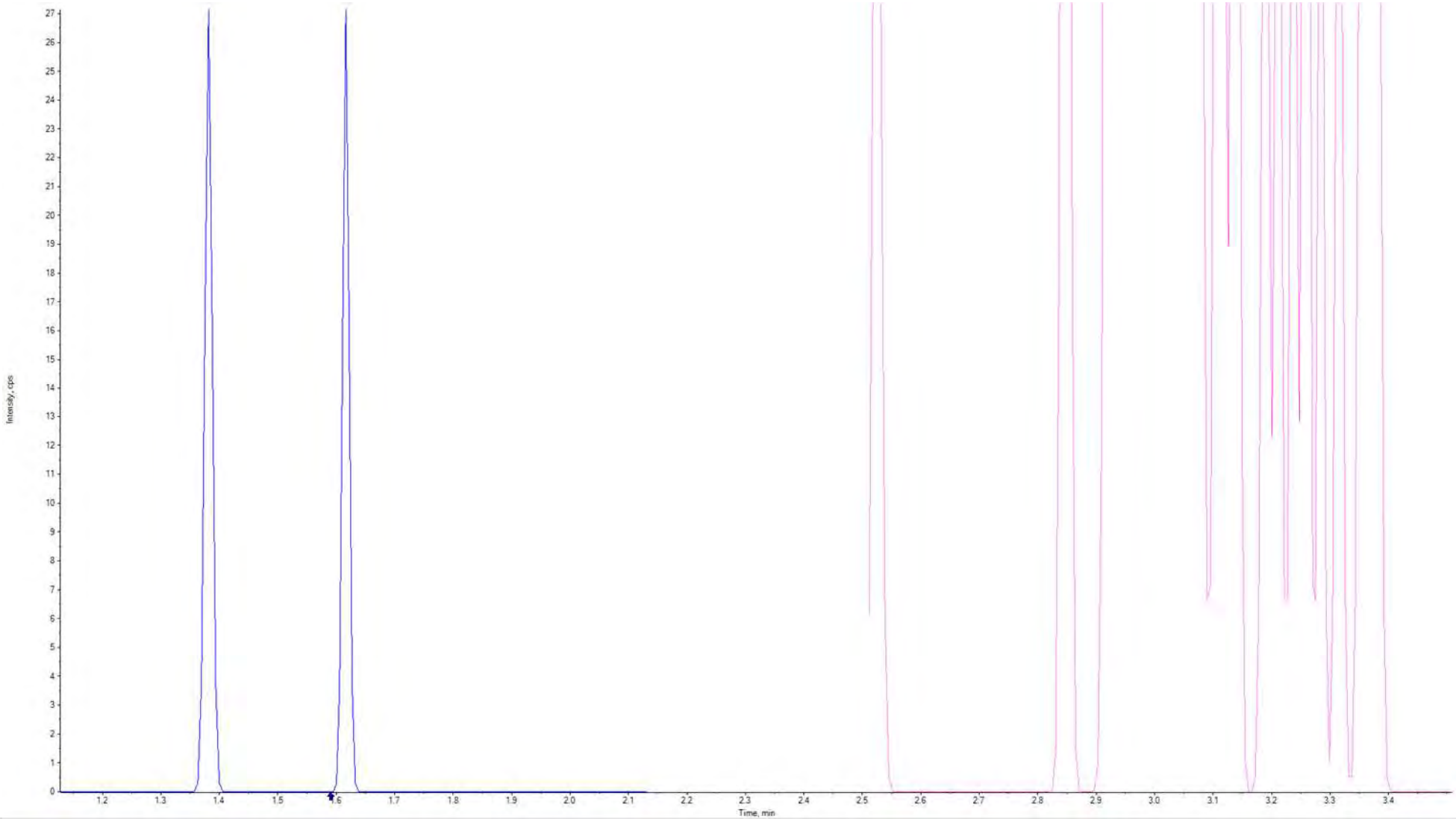
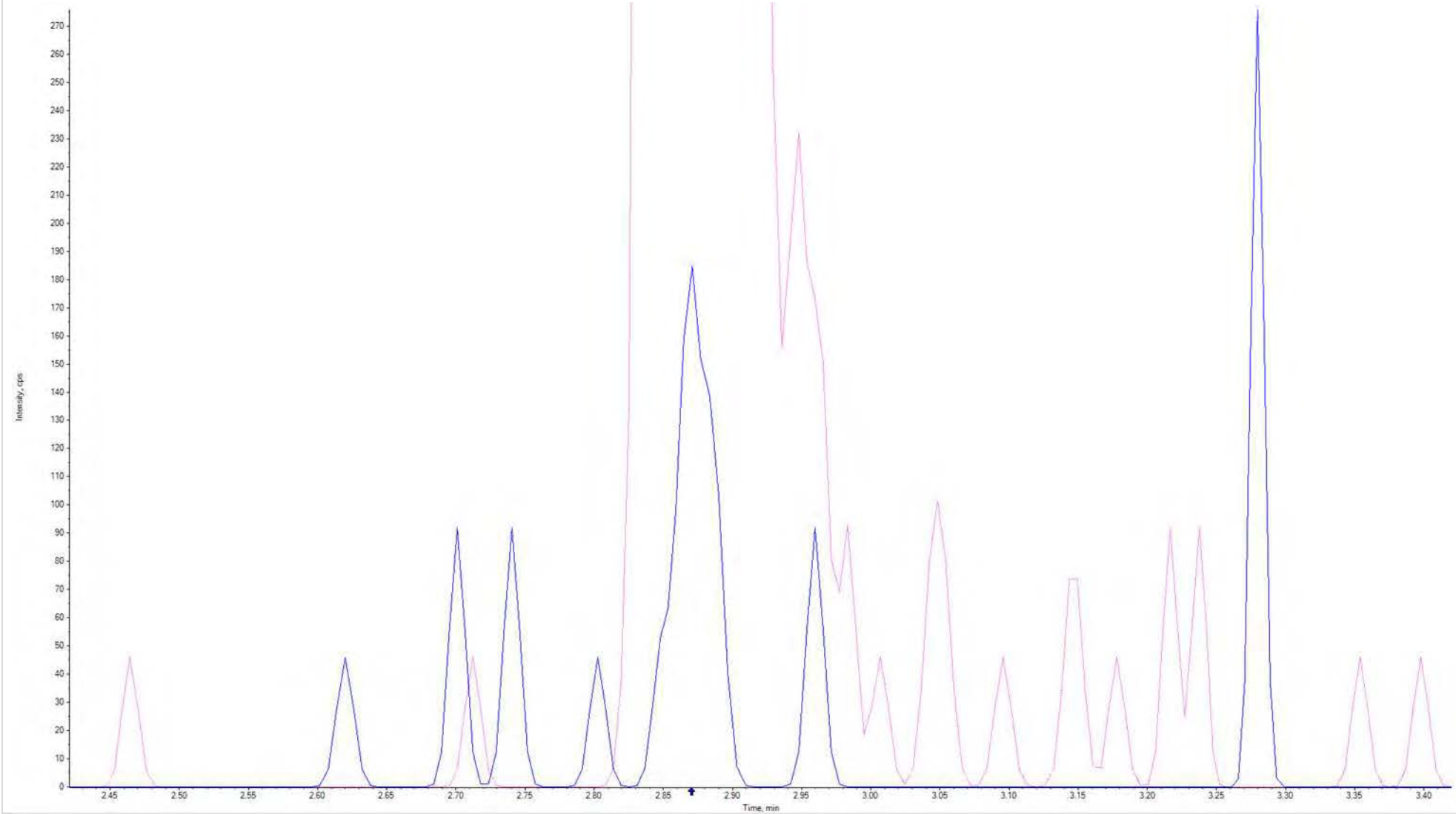
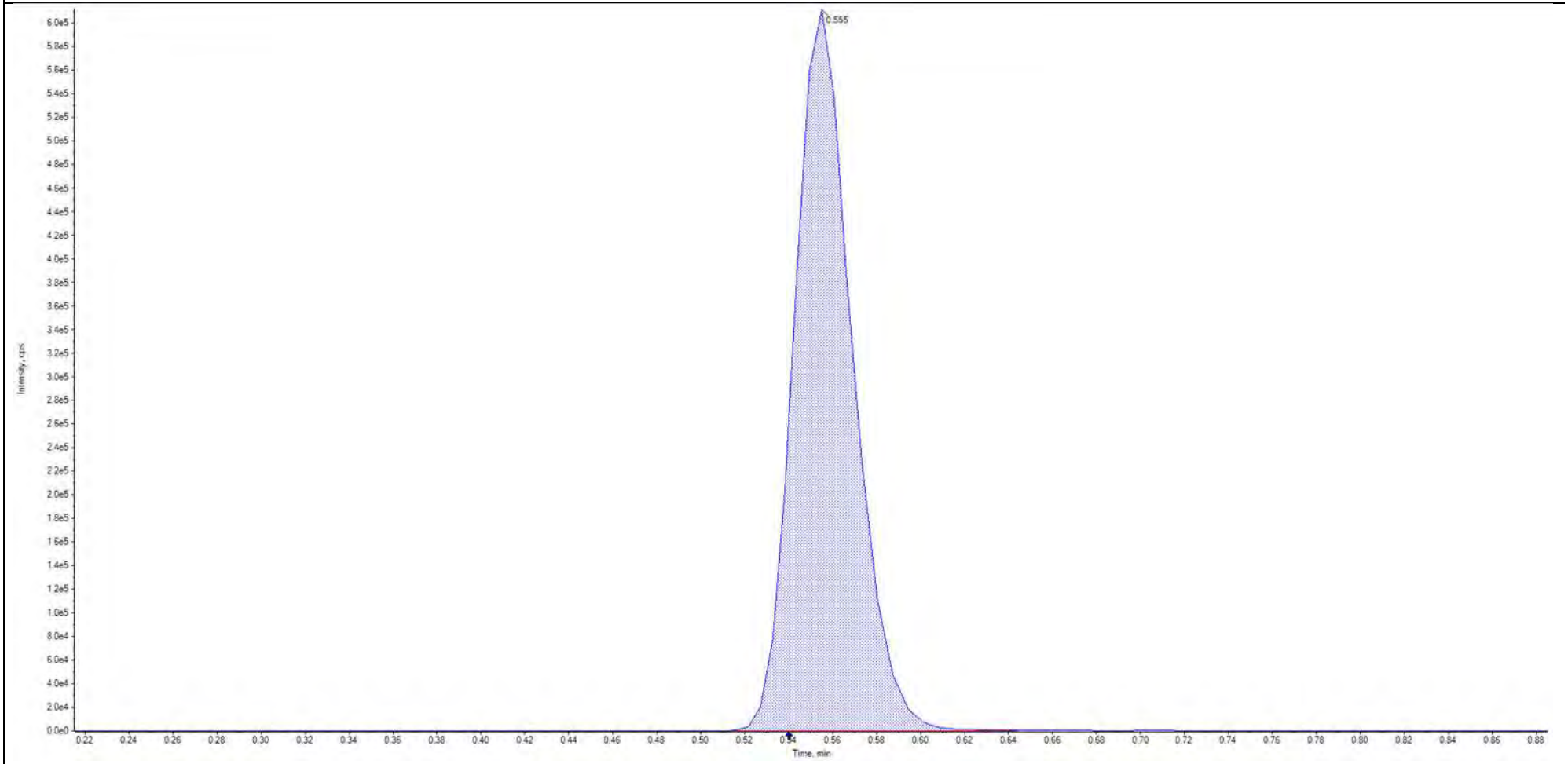
13C2D4-4:2FTS
Sample: WG2012727-4 S/N:N/A Points Across peak:N/A



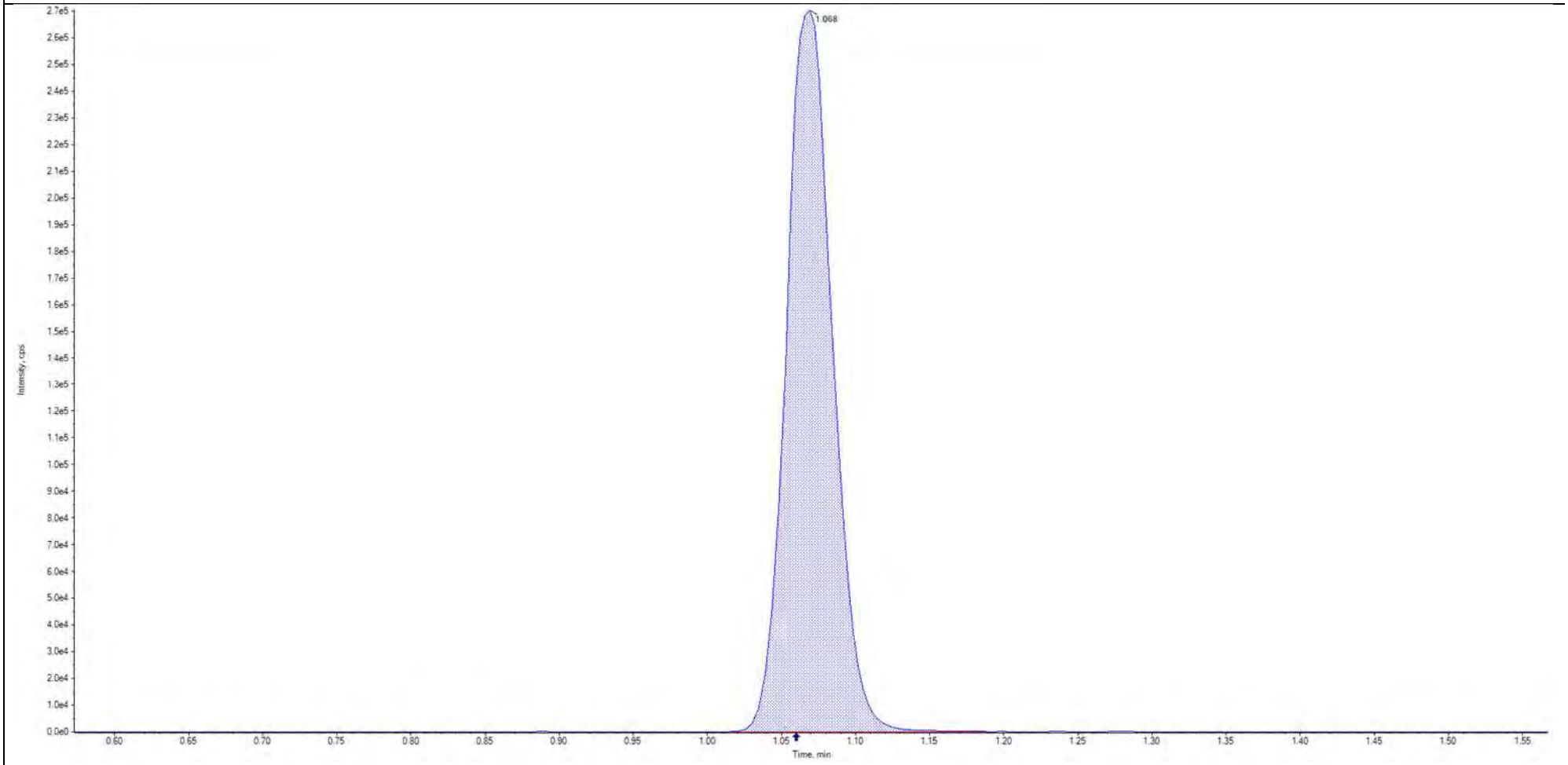
13C2-PFOA
Sample: WG2012727-4 S/N:N/A Points Across peak:N/A



13C4-PFBA
Sample: WG2012727-4



13C5-PFPeA
Sample: WG2012727-4



13C5-PFHxA
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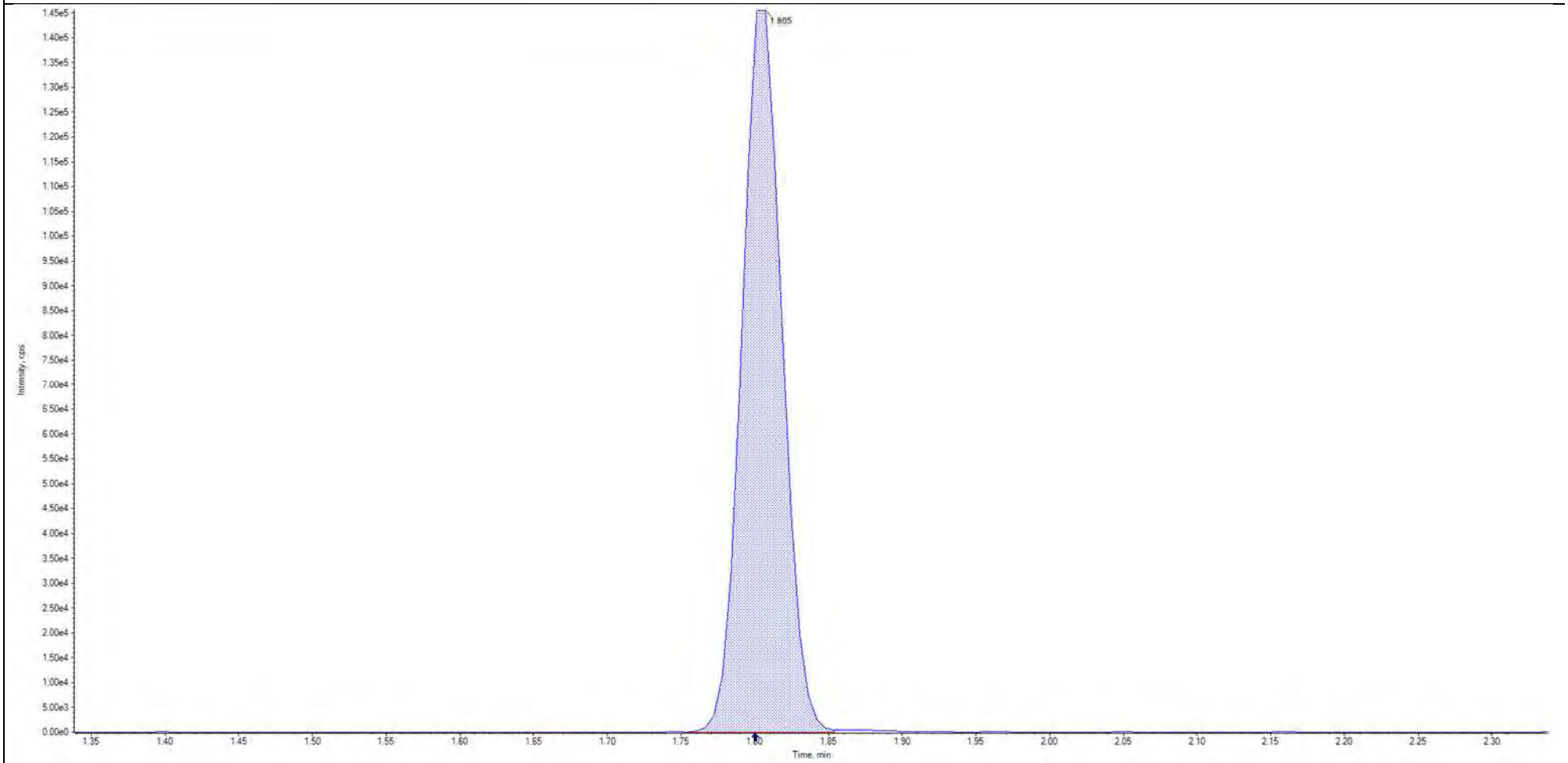
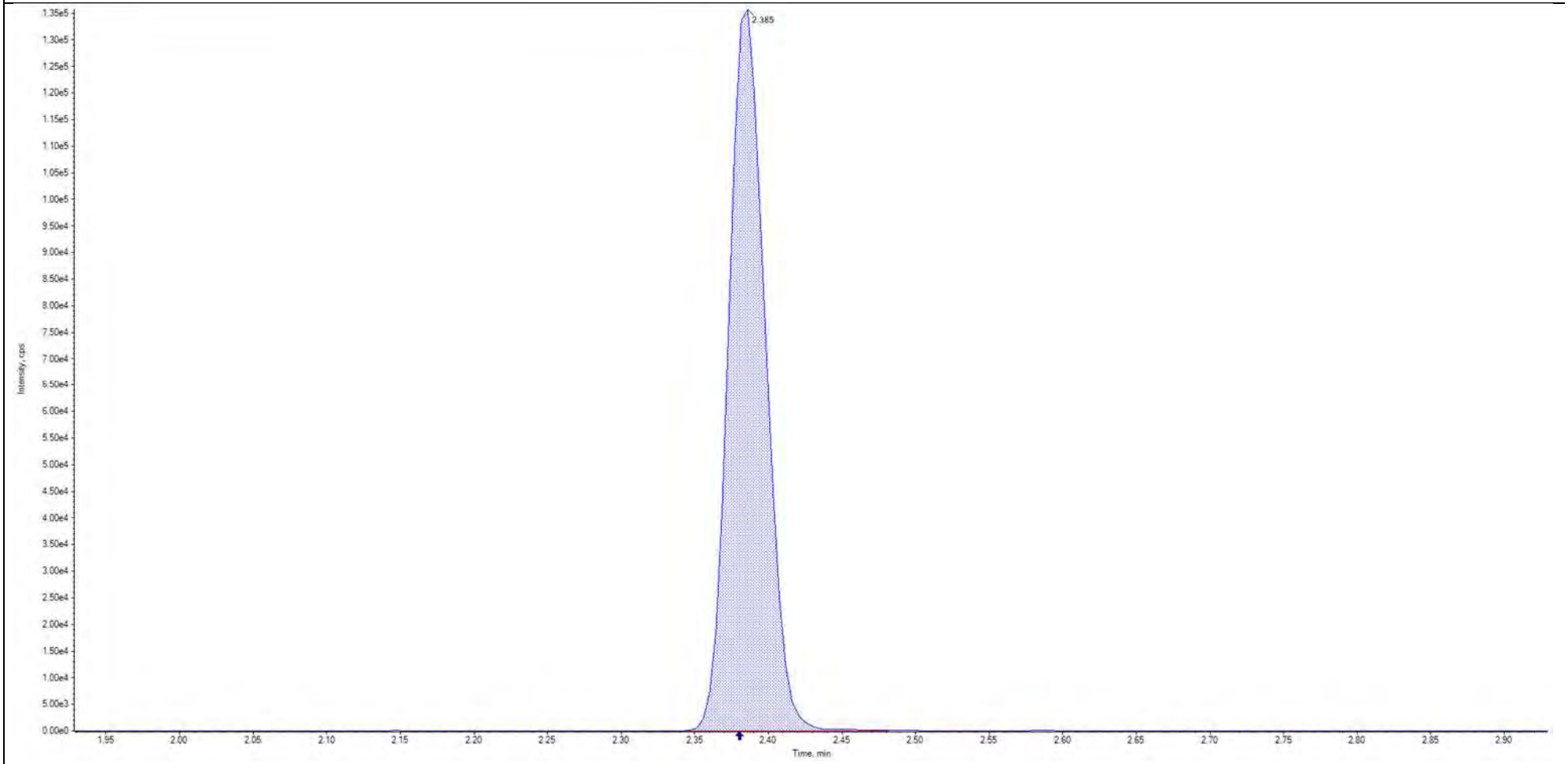
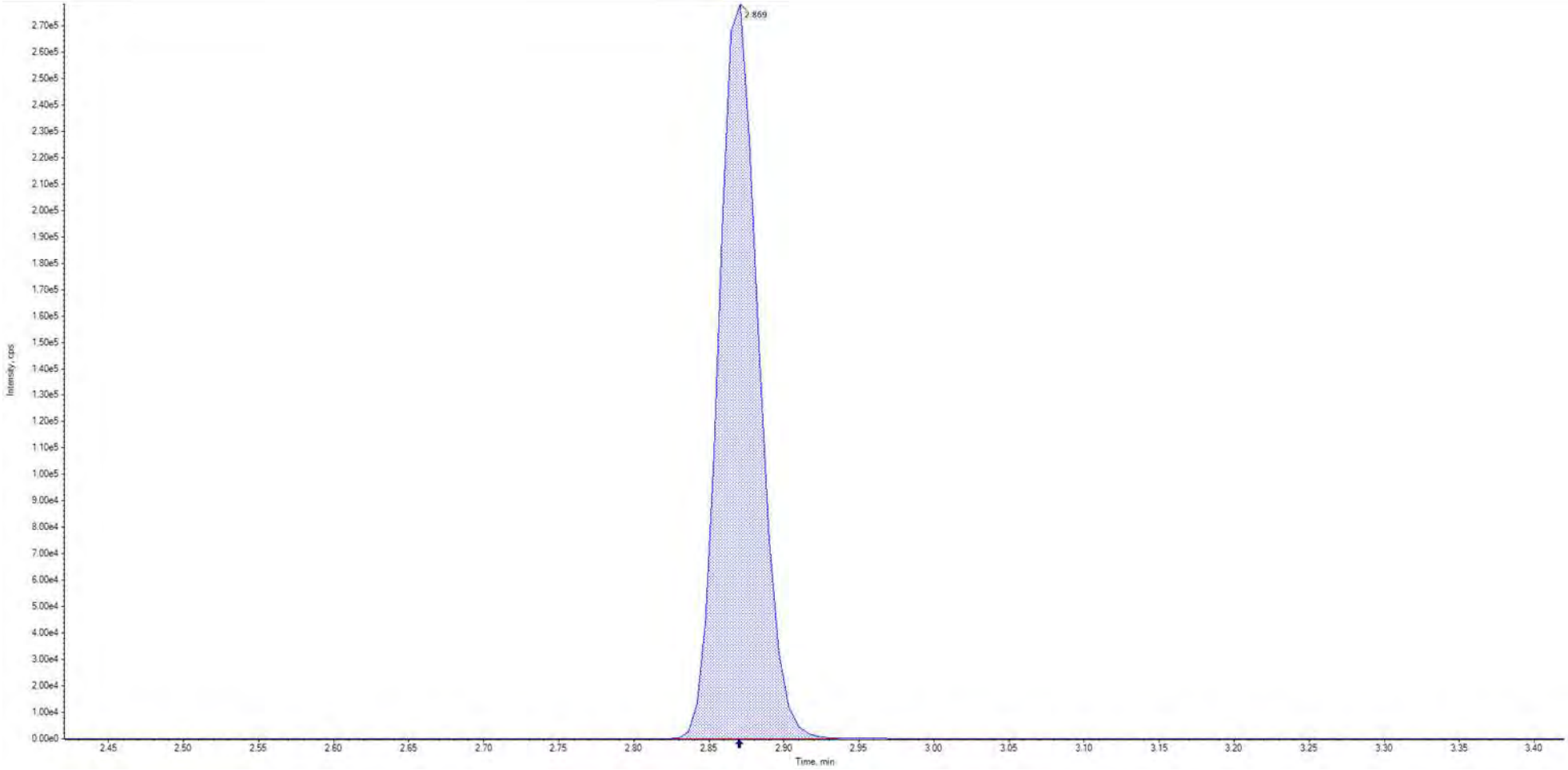


13C4-PFHpA
Sample: WG2012727-4



13C8-PFOA
Sample: WG2012727-4



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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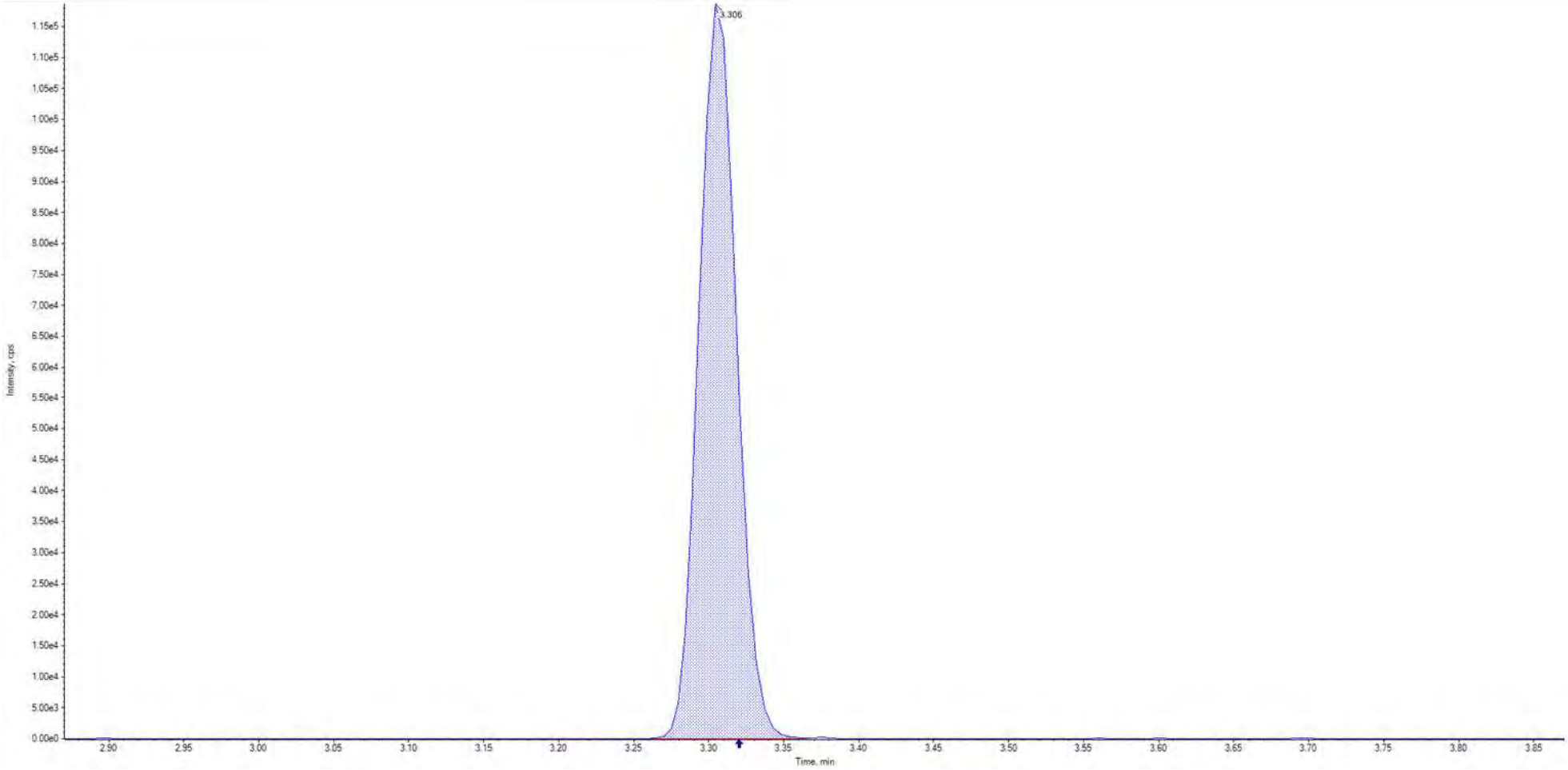
13C9-PFNA
Sample: WG2012727-4



13C6-PFDA
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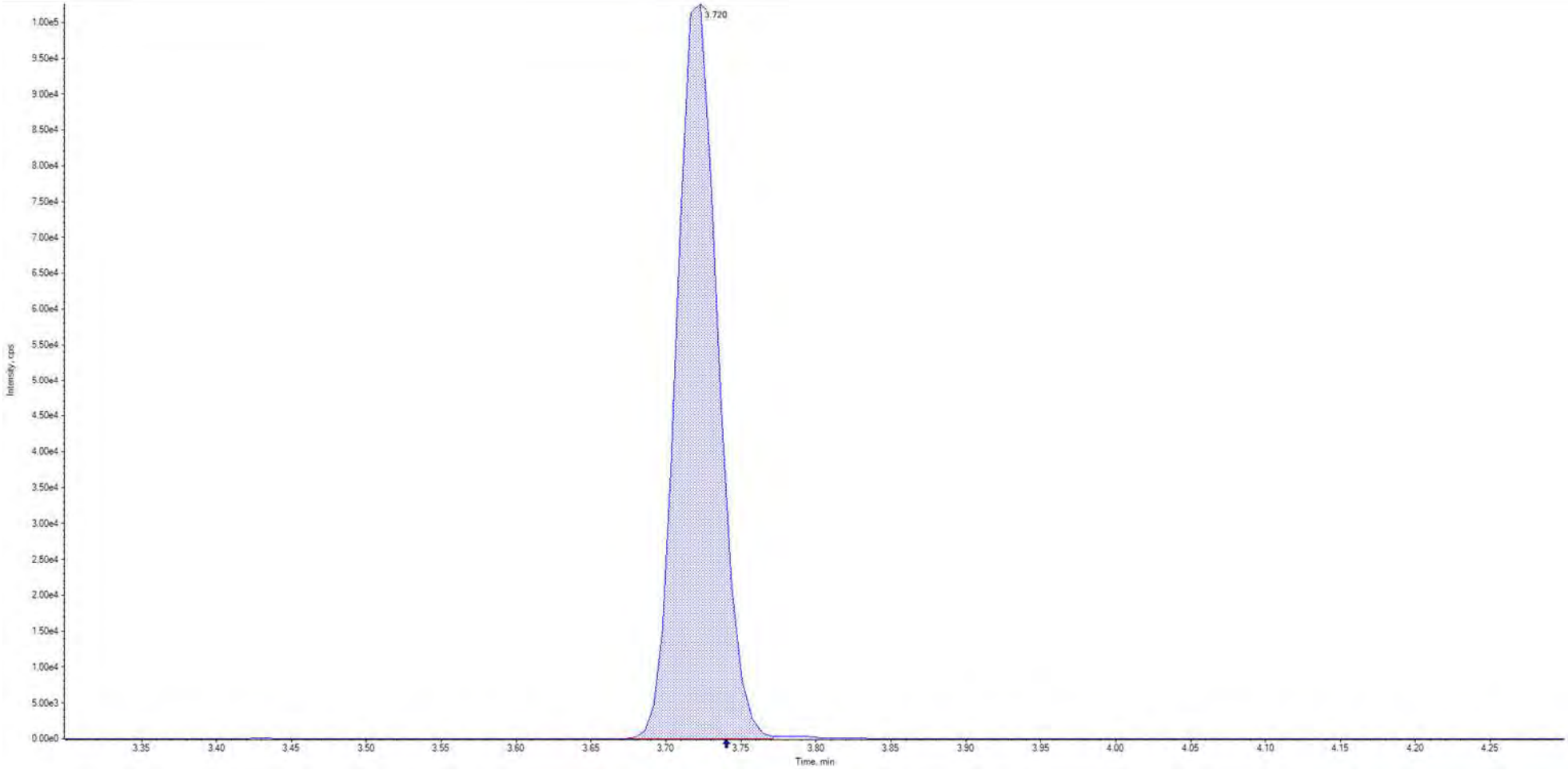
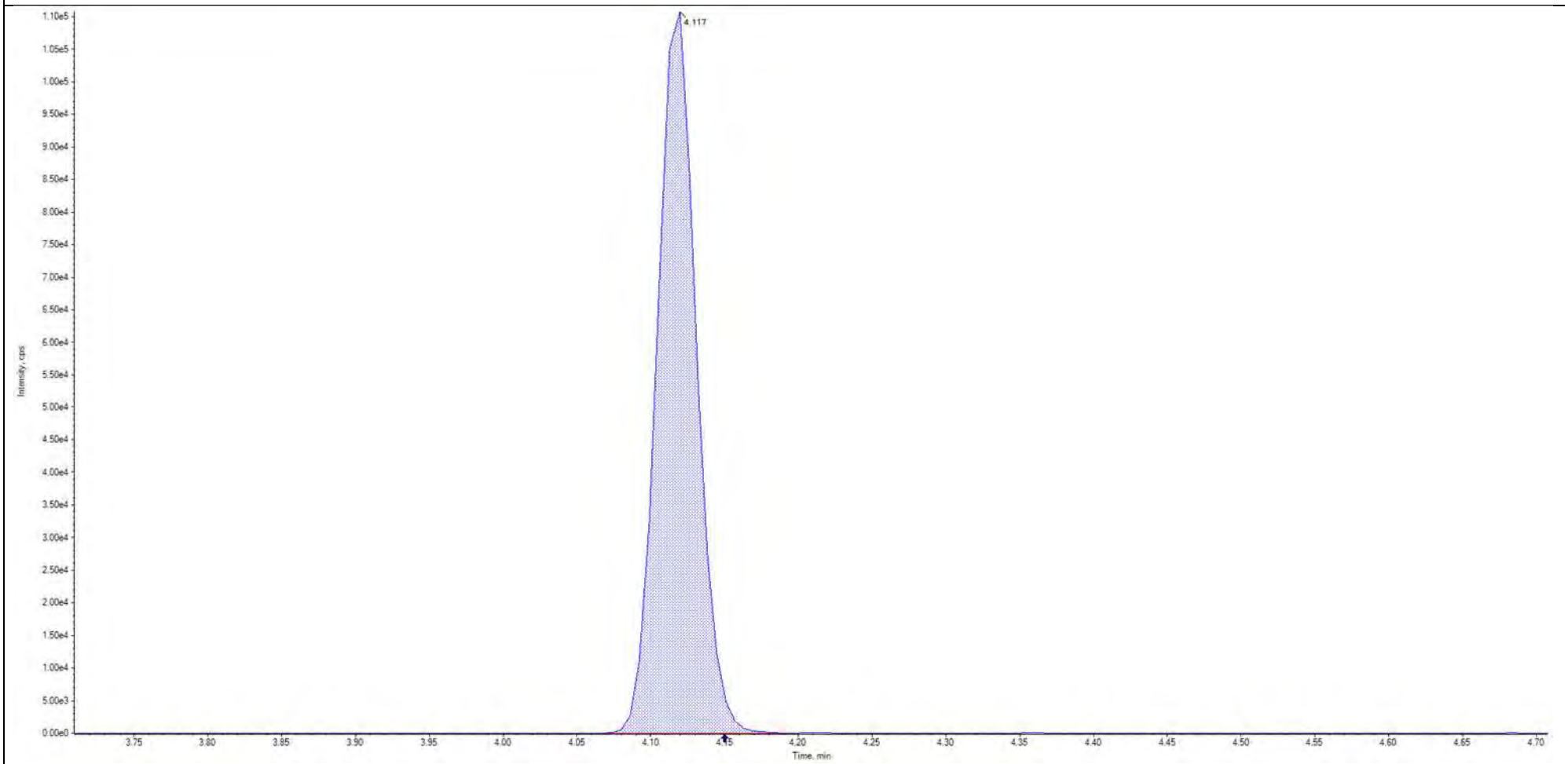
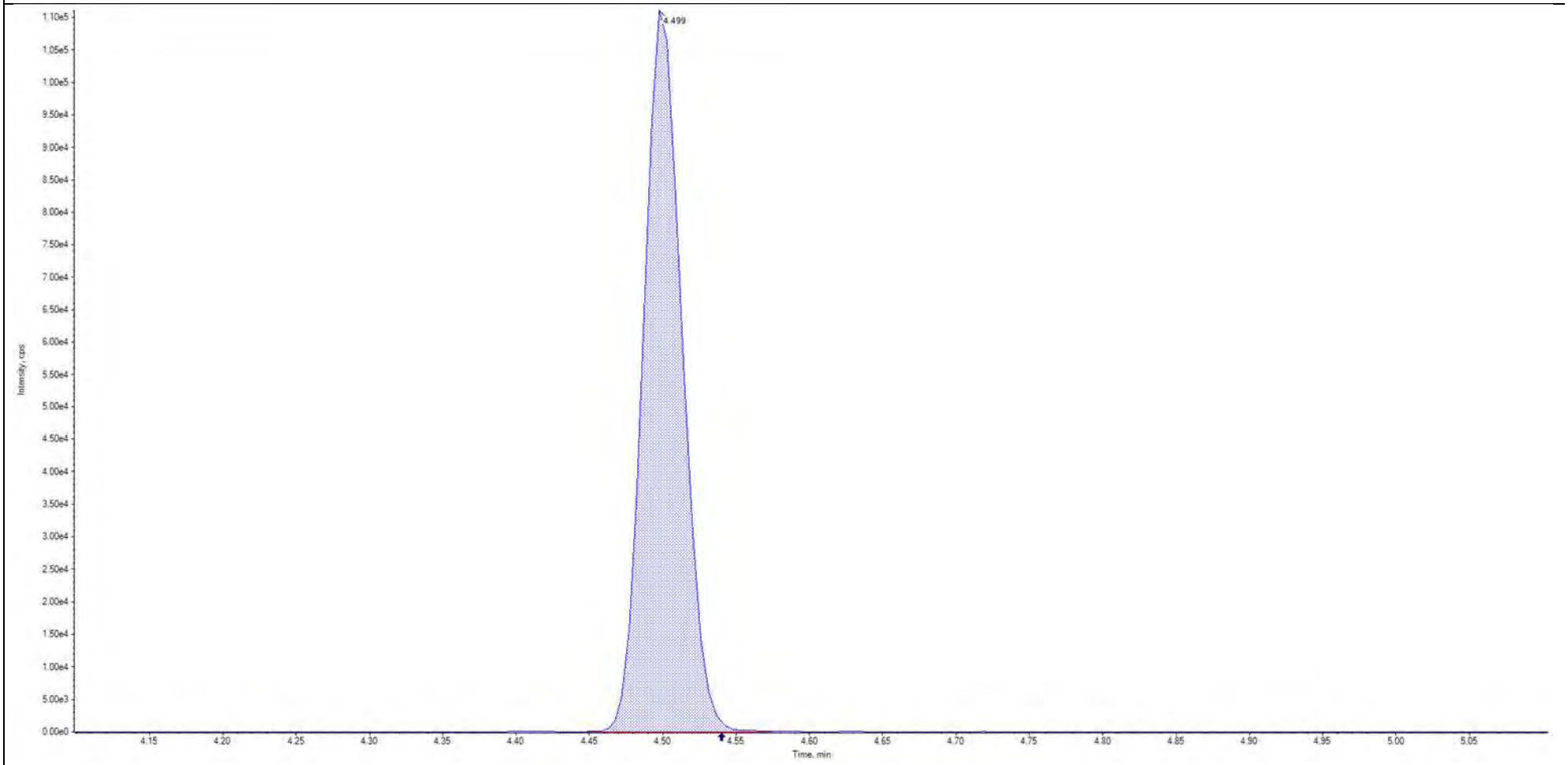


13C7-PFUnA
Sample: WG2012727-4



13C2-PFDoA
Sample: WG2012727-4



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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13C2-PFTeDA
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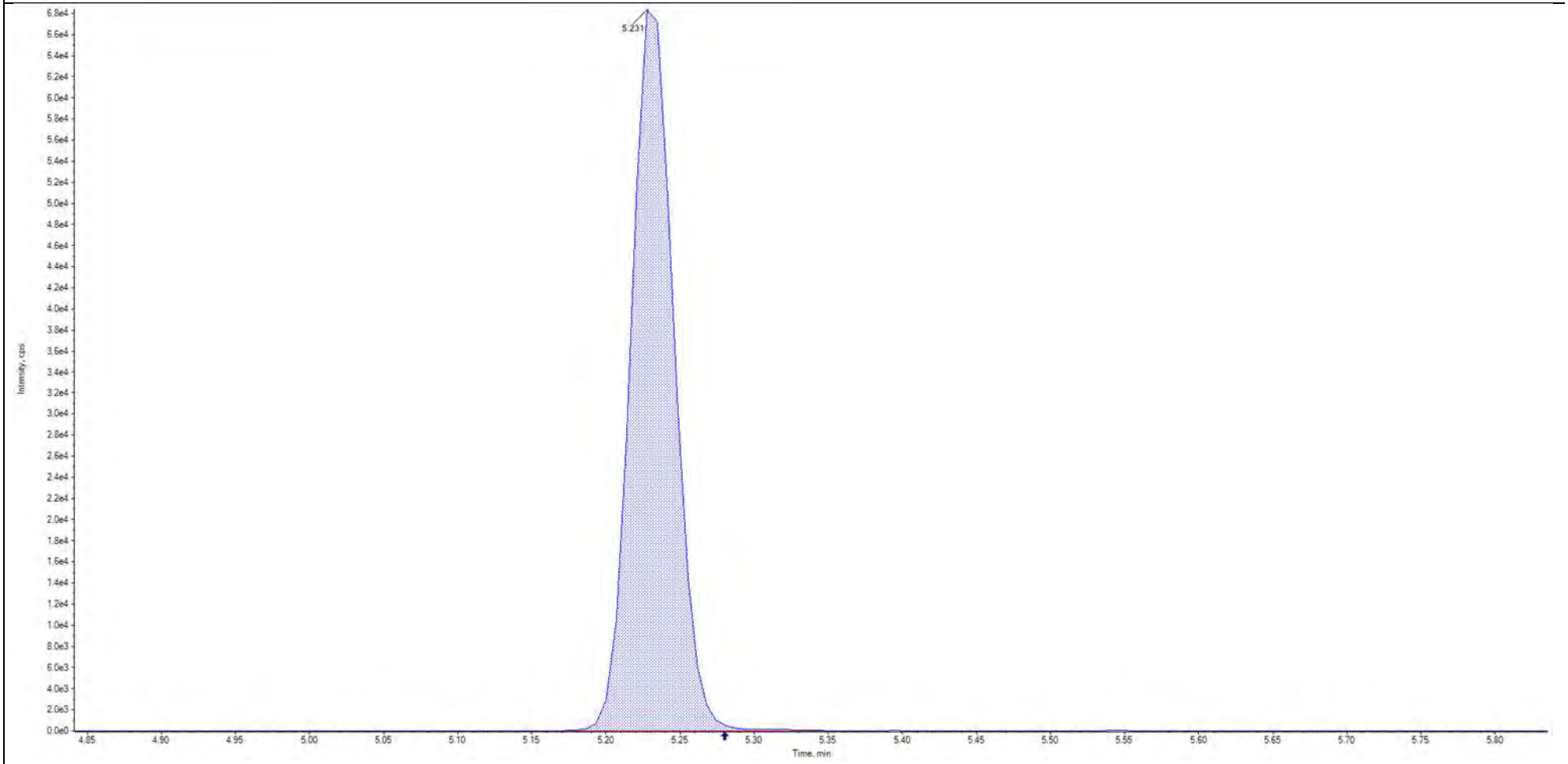
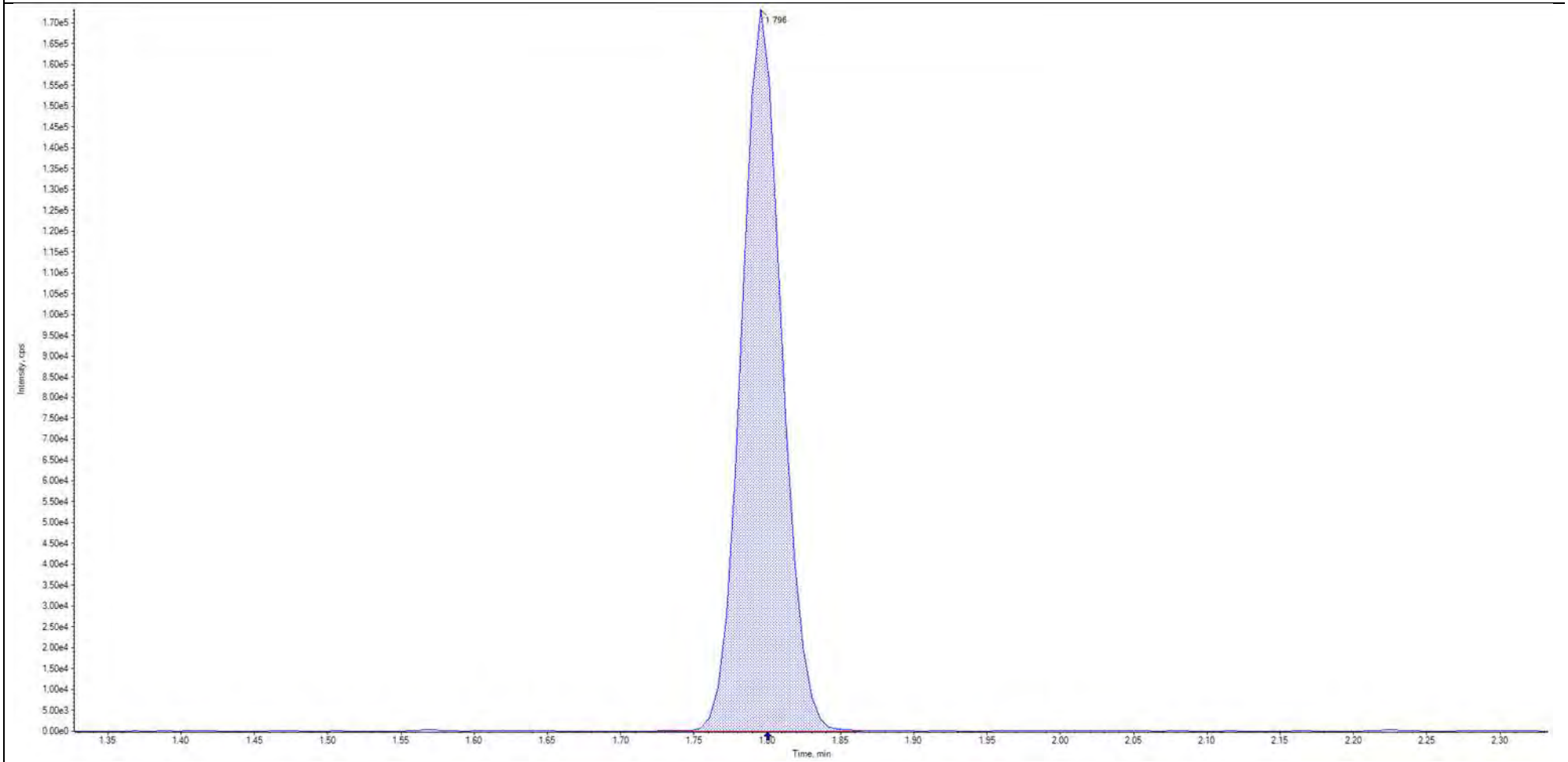
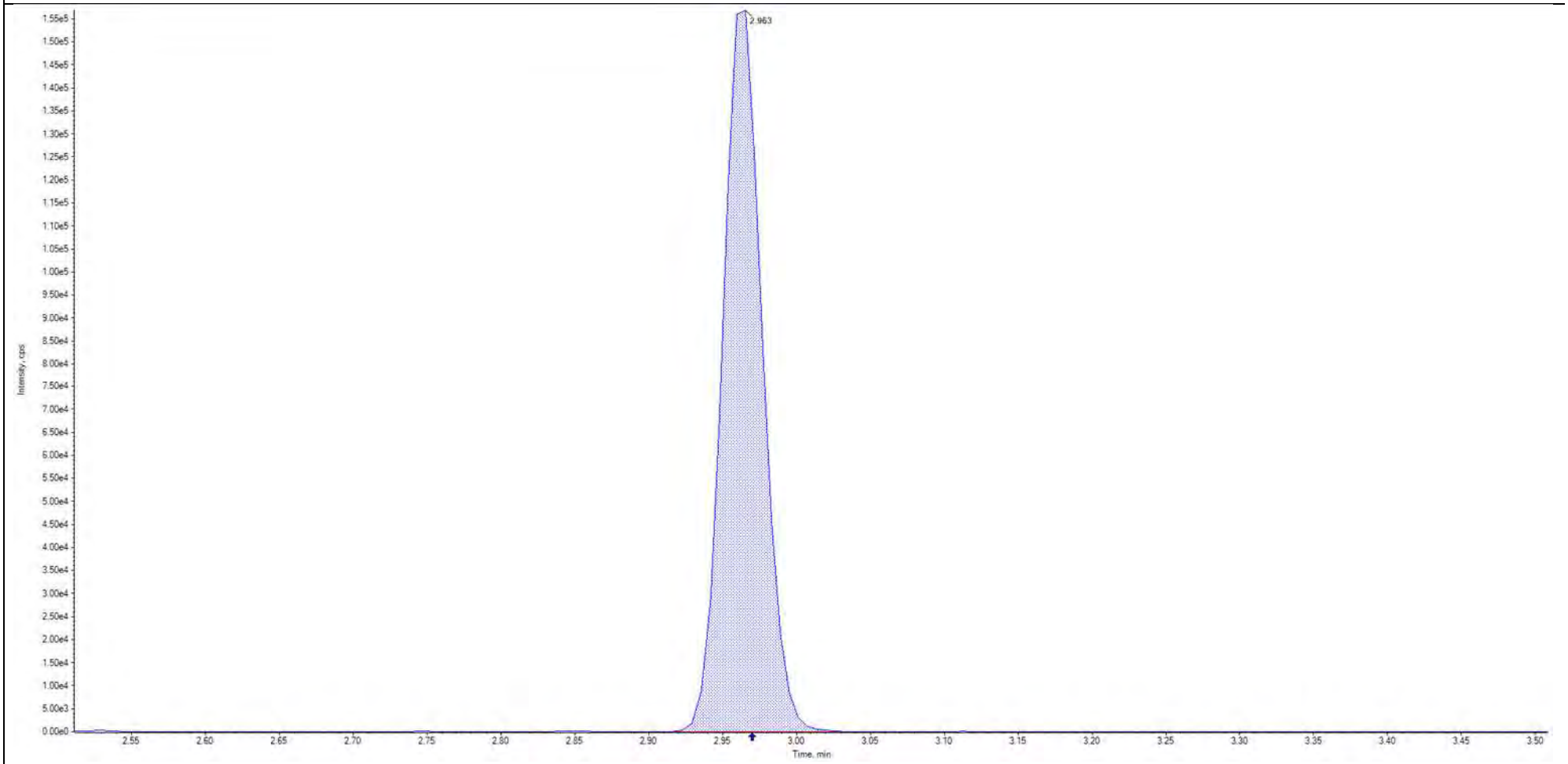


13C3-PFBS
Sample: WG2012727-4



13C3-PFHxS
Sample: WG2012727-4



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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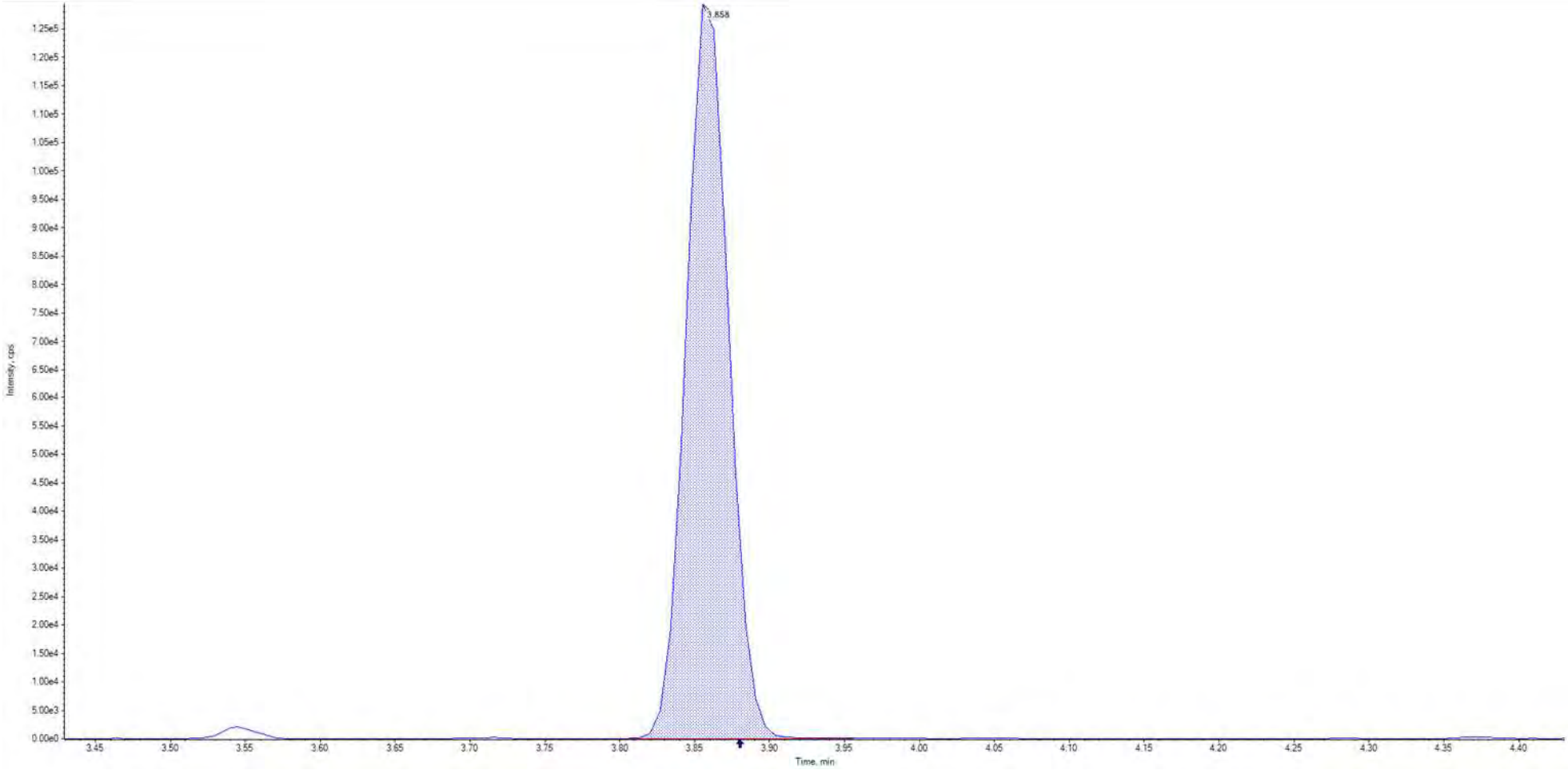
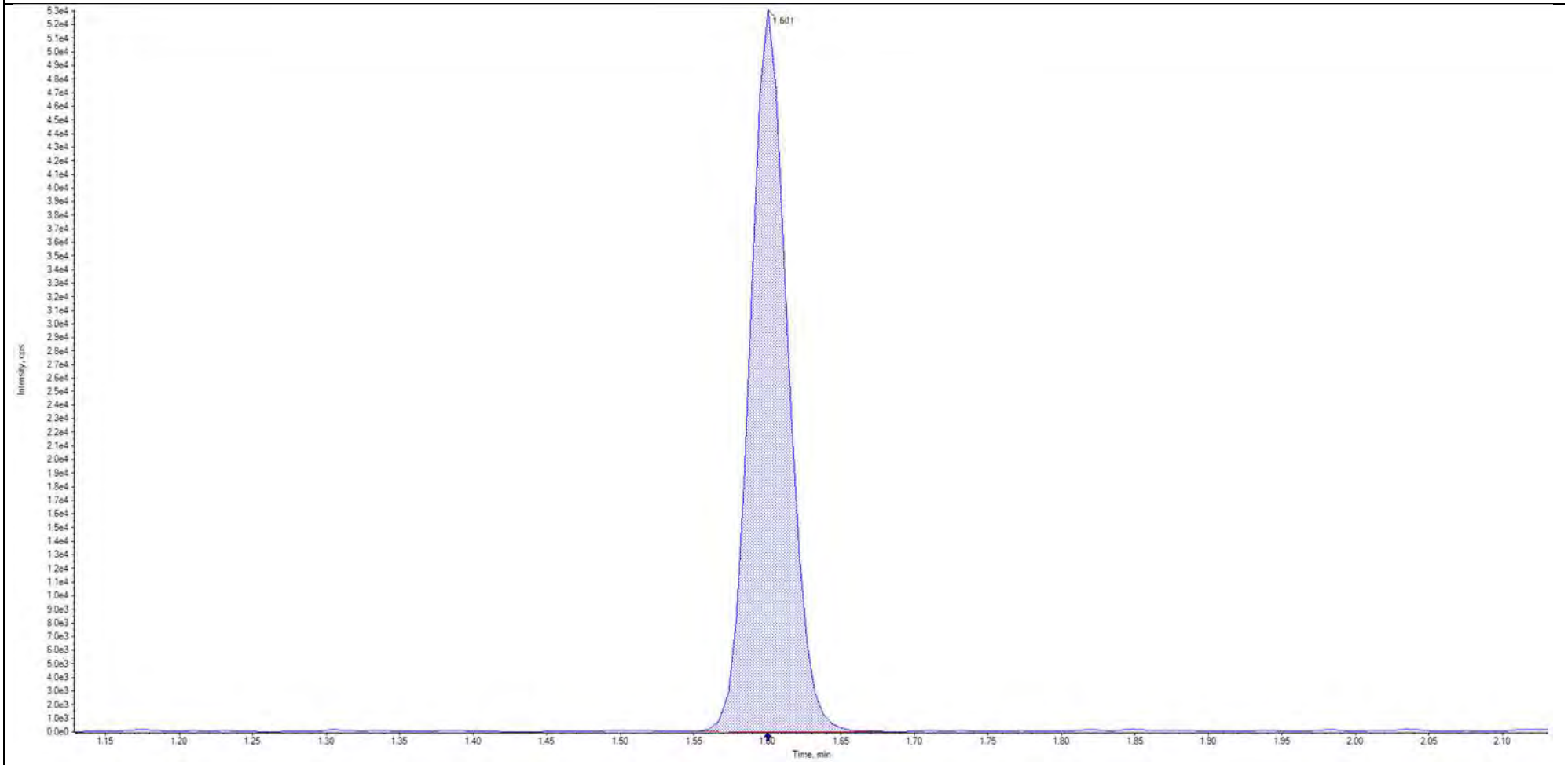
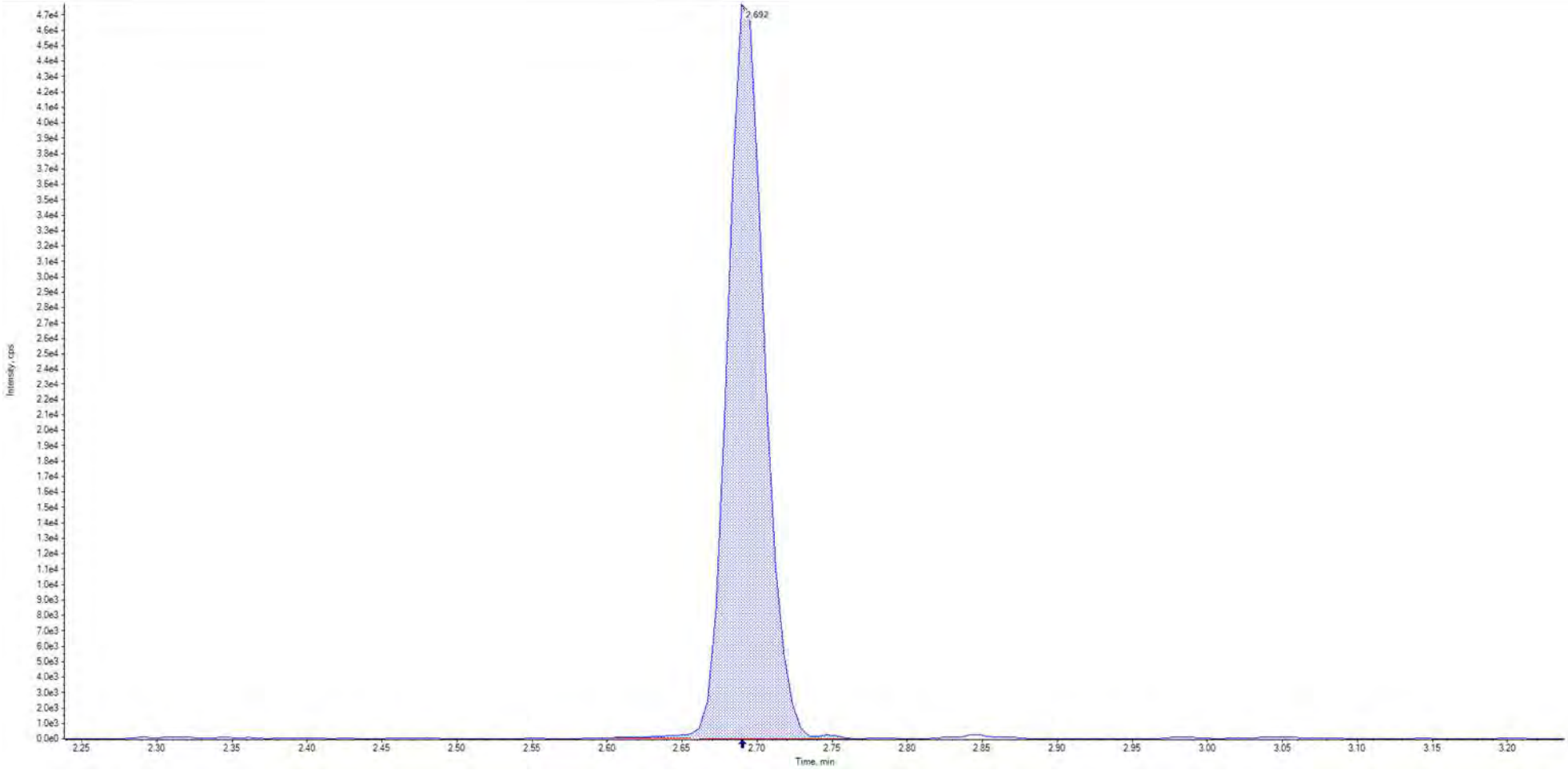
13C8-PFOS
Sample: WG2012727-4



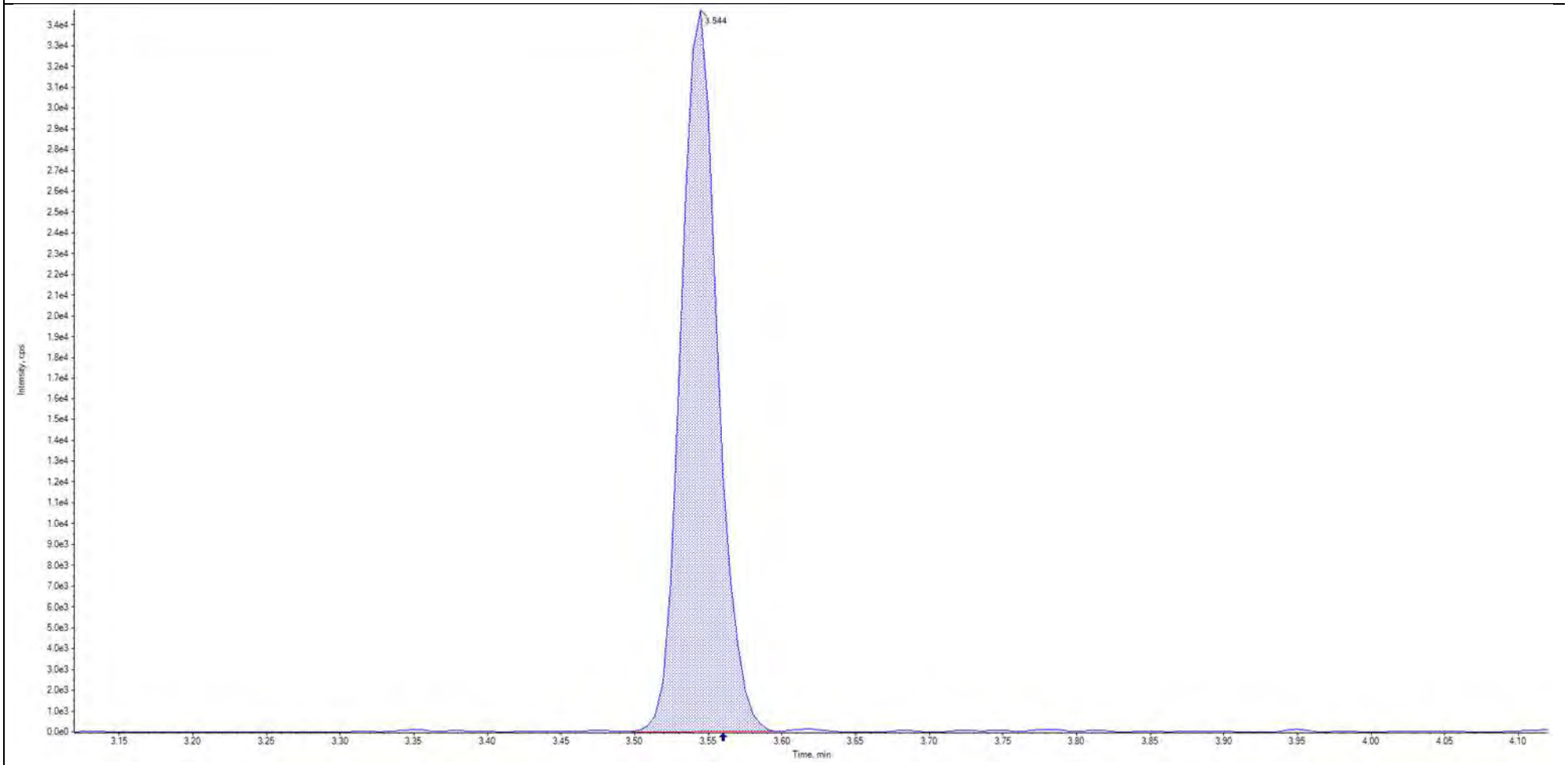
13C2-4:2FTS
Sample: WG2012727-4



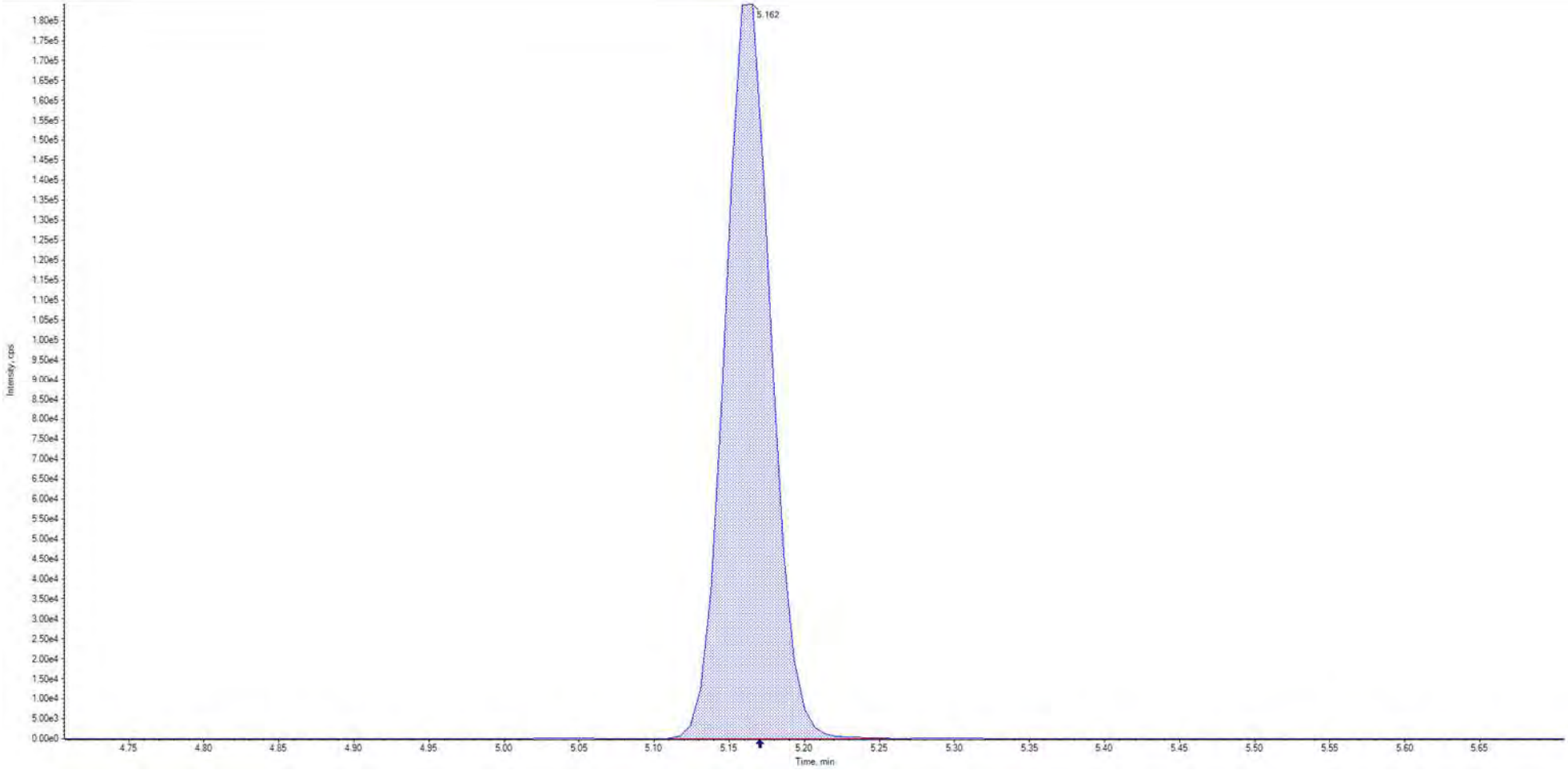
13C2-6:2FTS
Sample: WG2012727-4



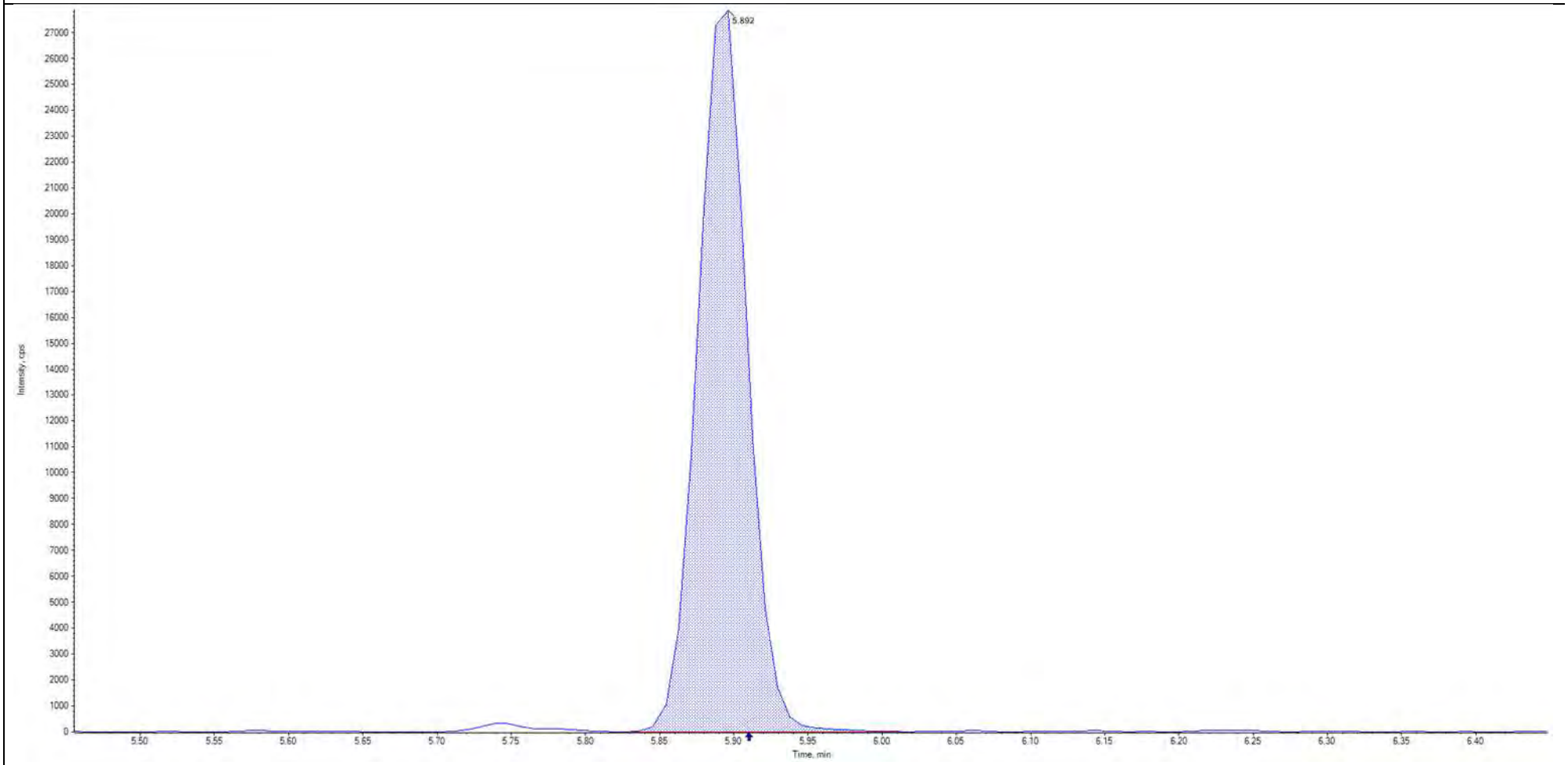
13C2-8:2FTS
Sample: WG2012727-4



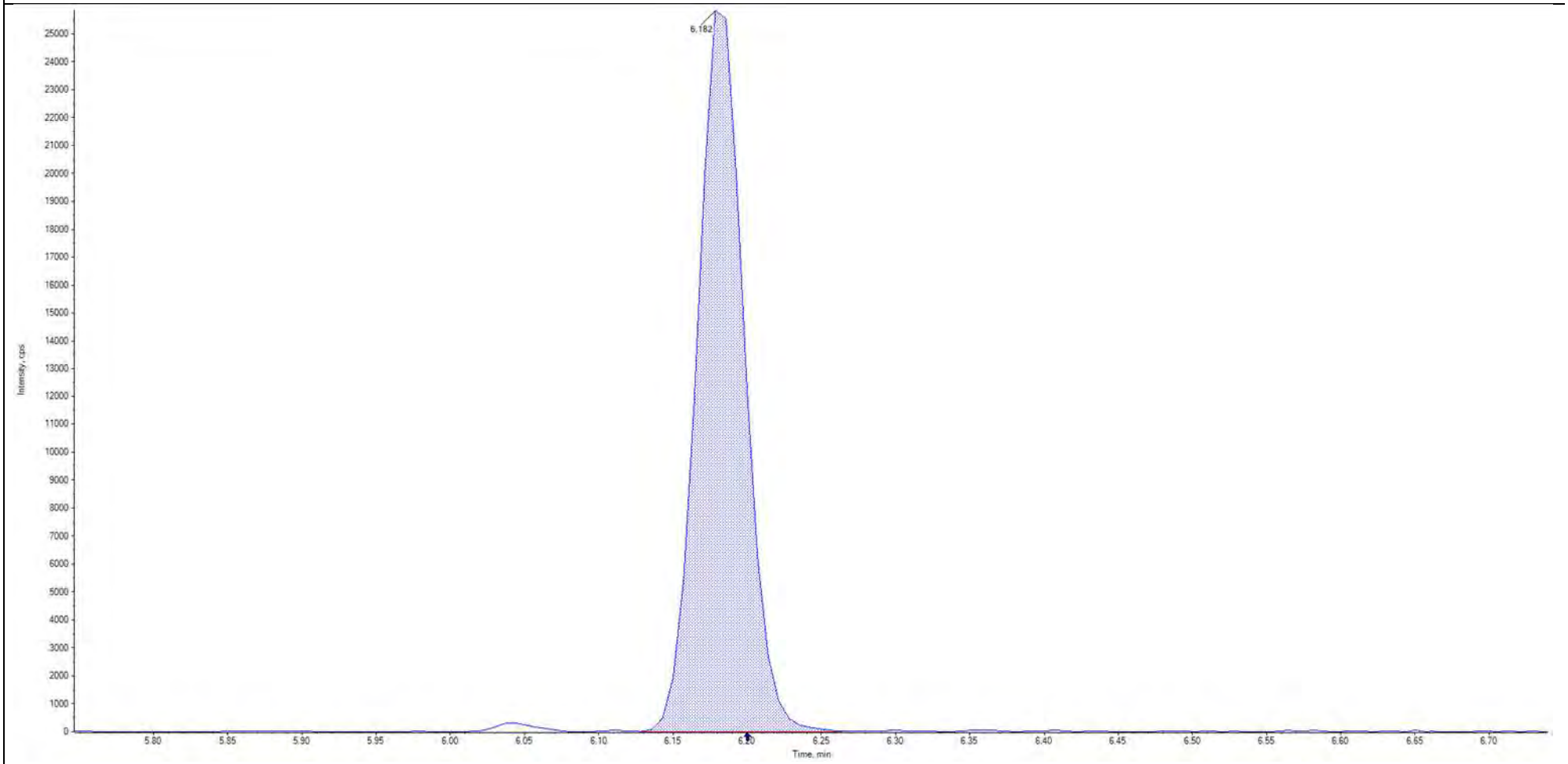
13C8-PFOSA
Sample: WG2012727-4



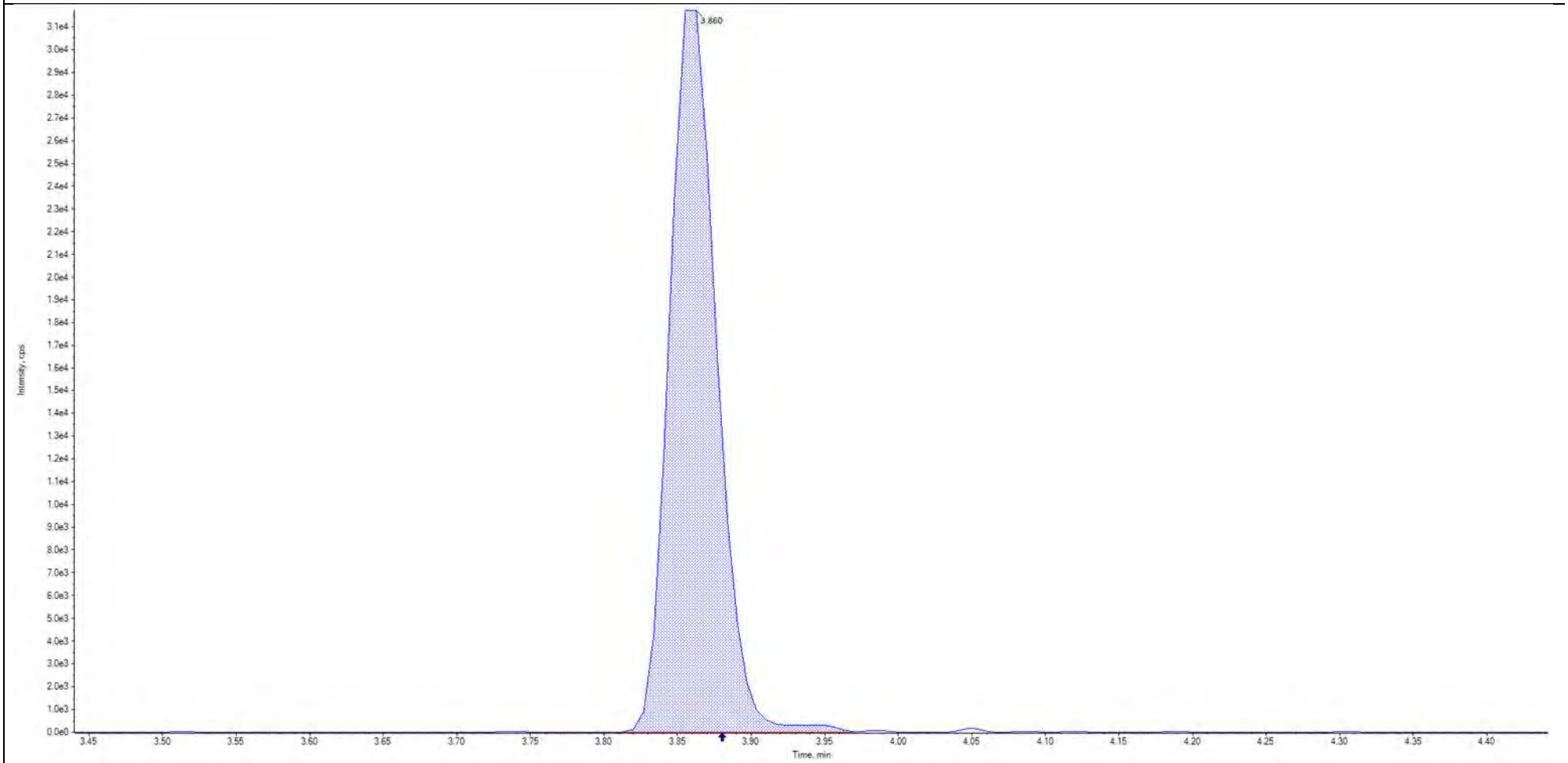
d3-NMeFOSA
Sample: WG2012727-4



d5-NEtFOSA
Sample: WG2012727-4



d3-NMeFOSAA
Sample: WG2012727-4



d5-NEtFOSAA
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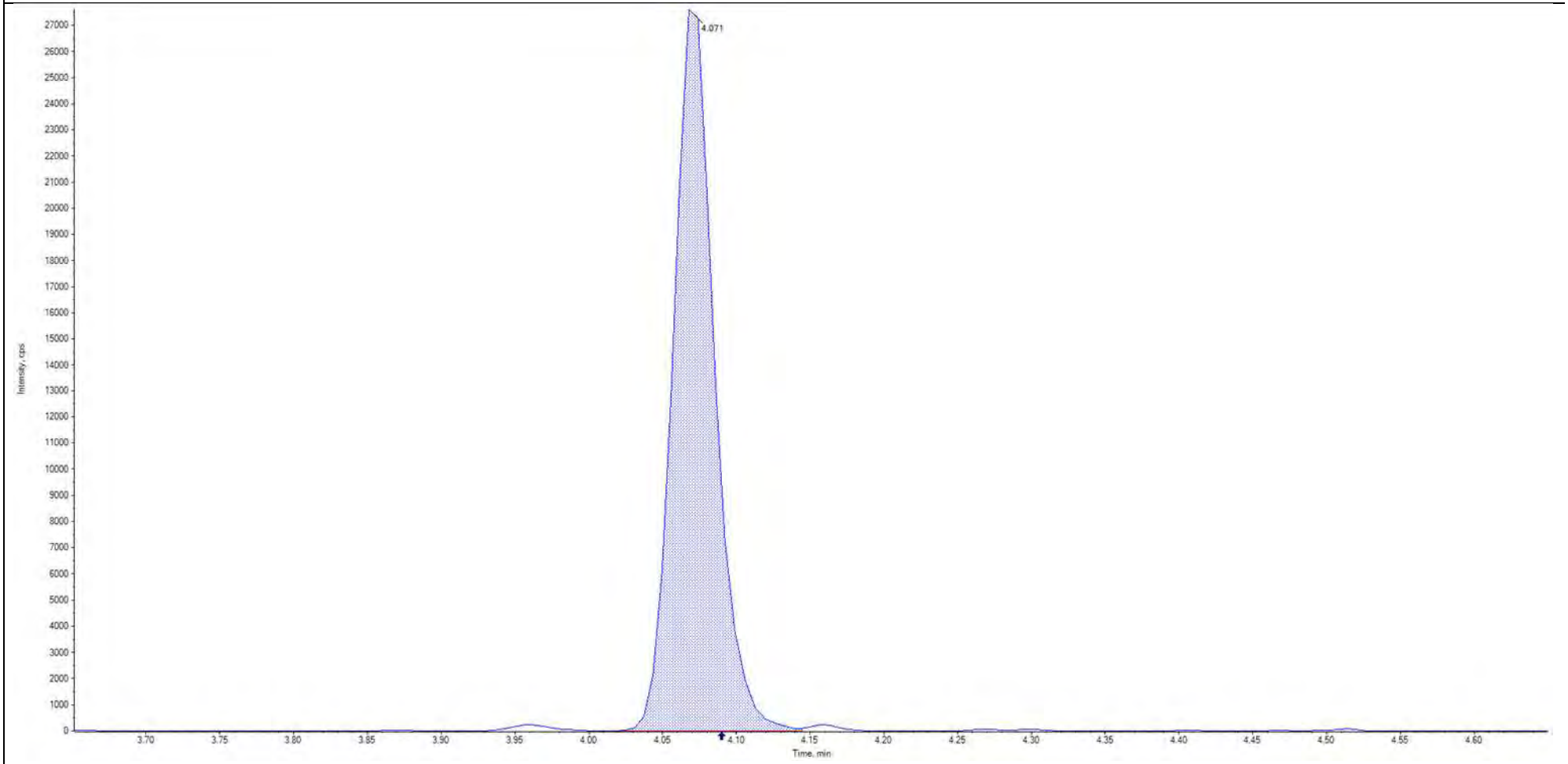
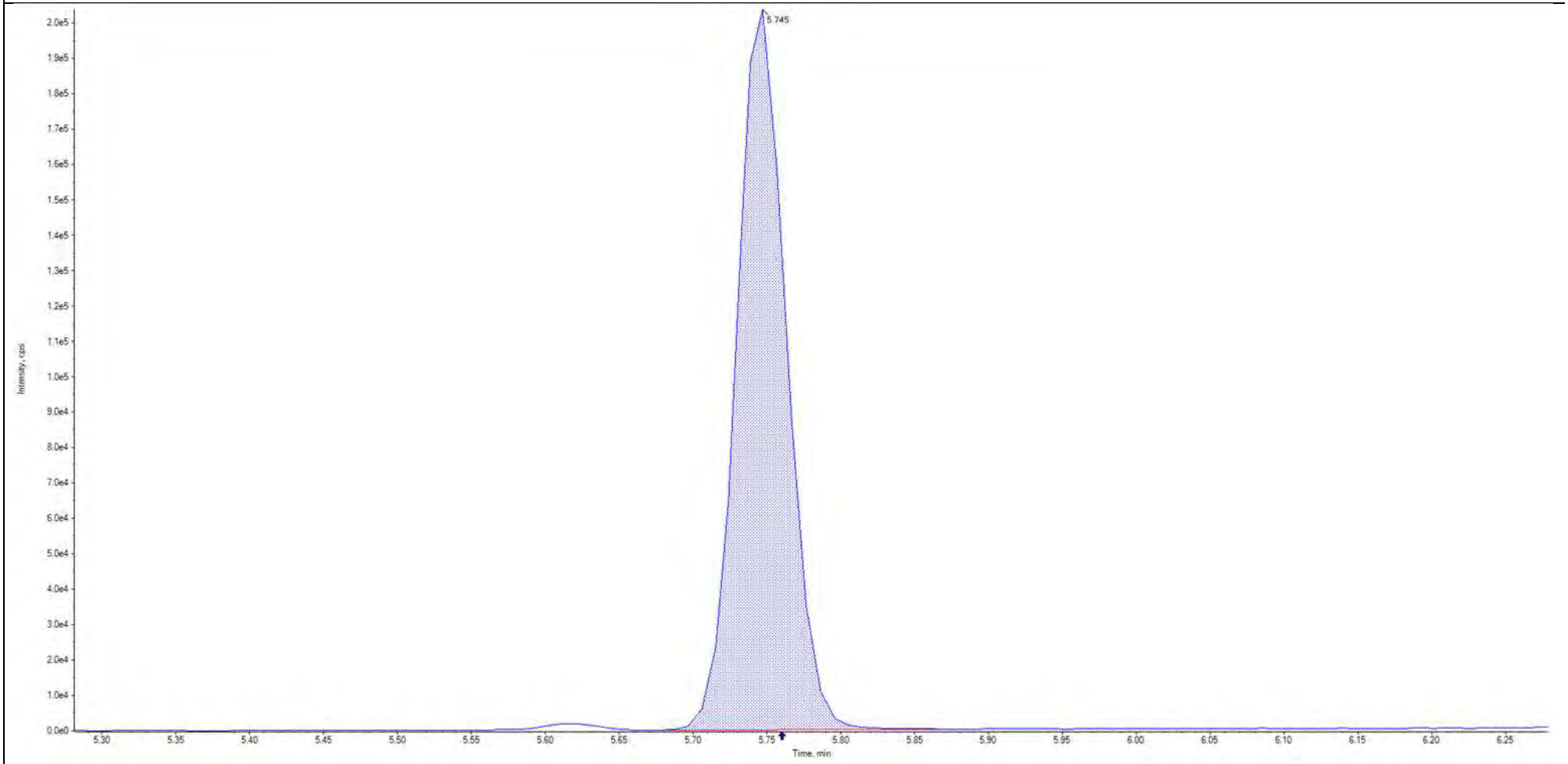


d7-NMeFOSE
Sample: WG2012727-4



d9-NEtFOSE
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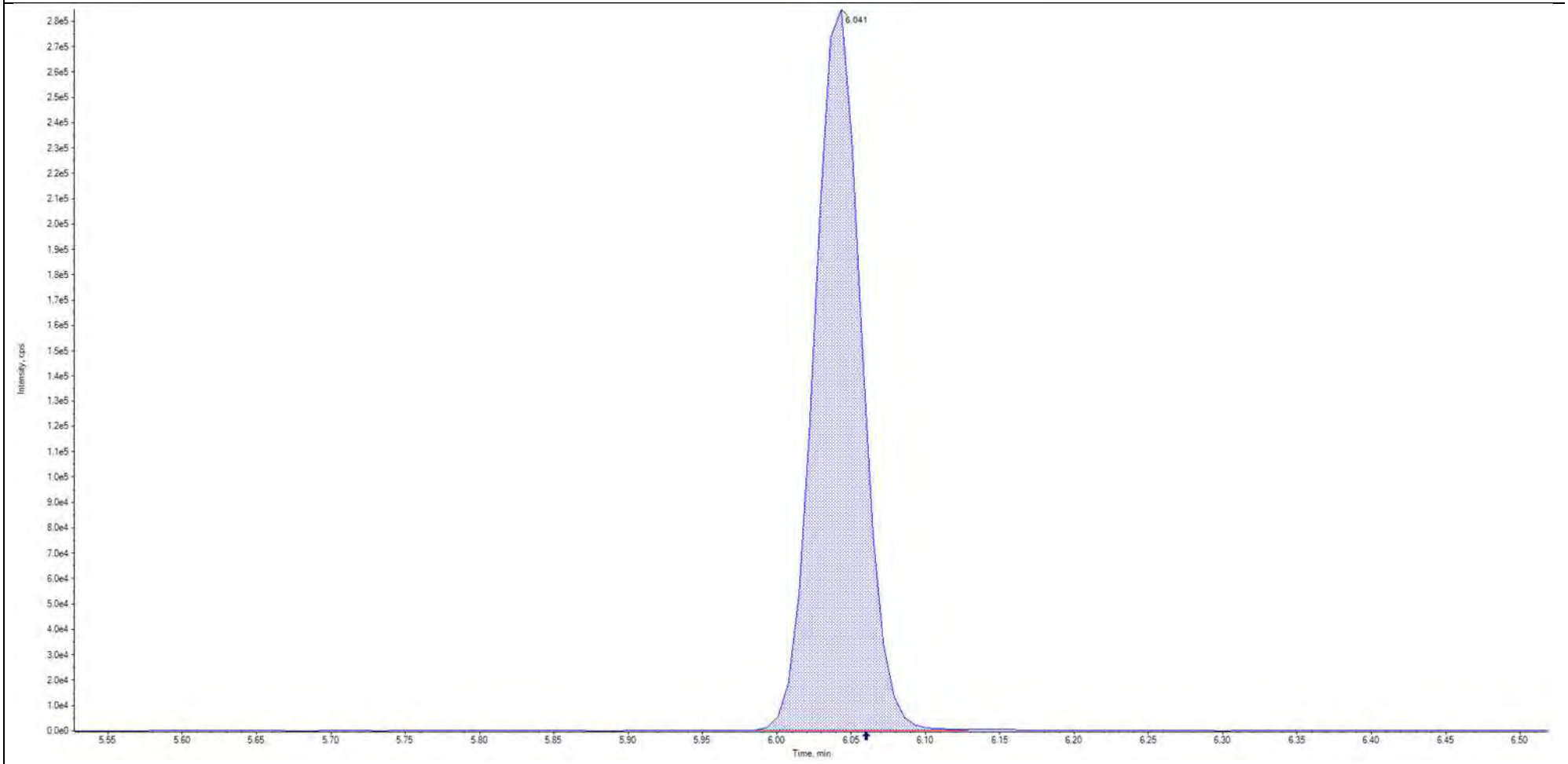
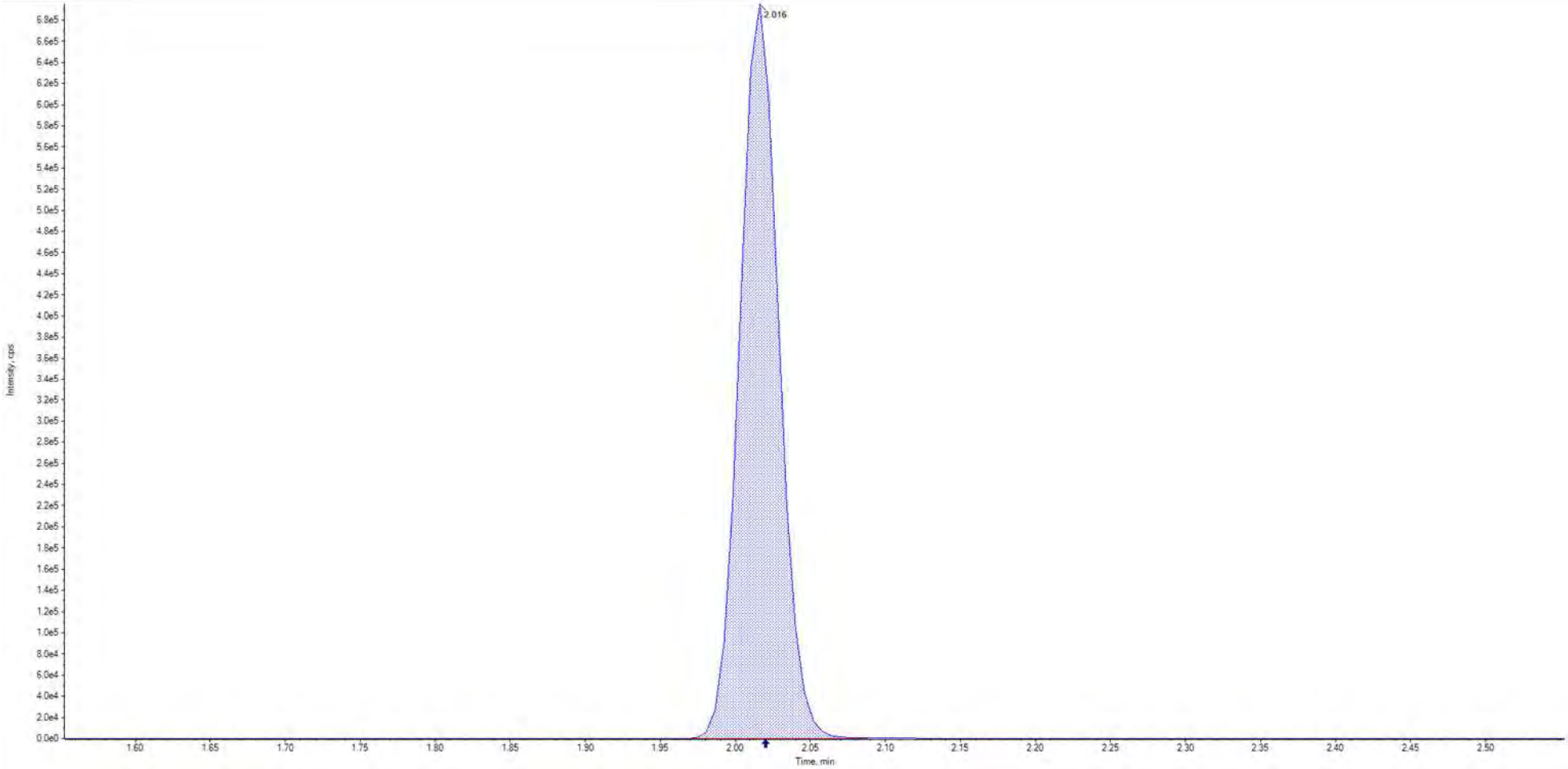
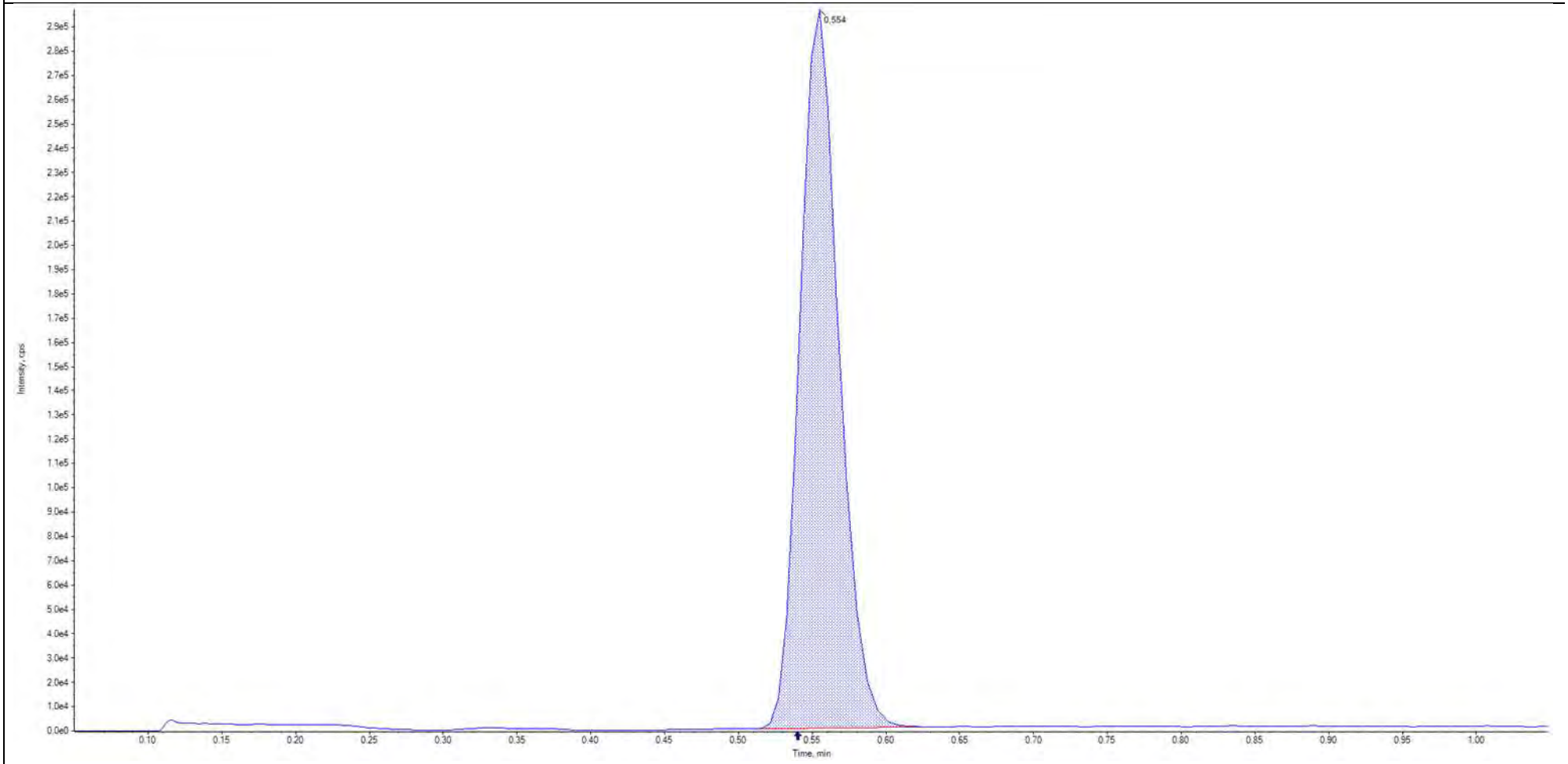


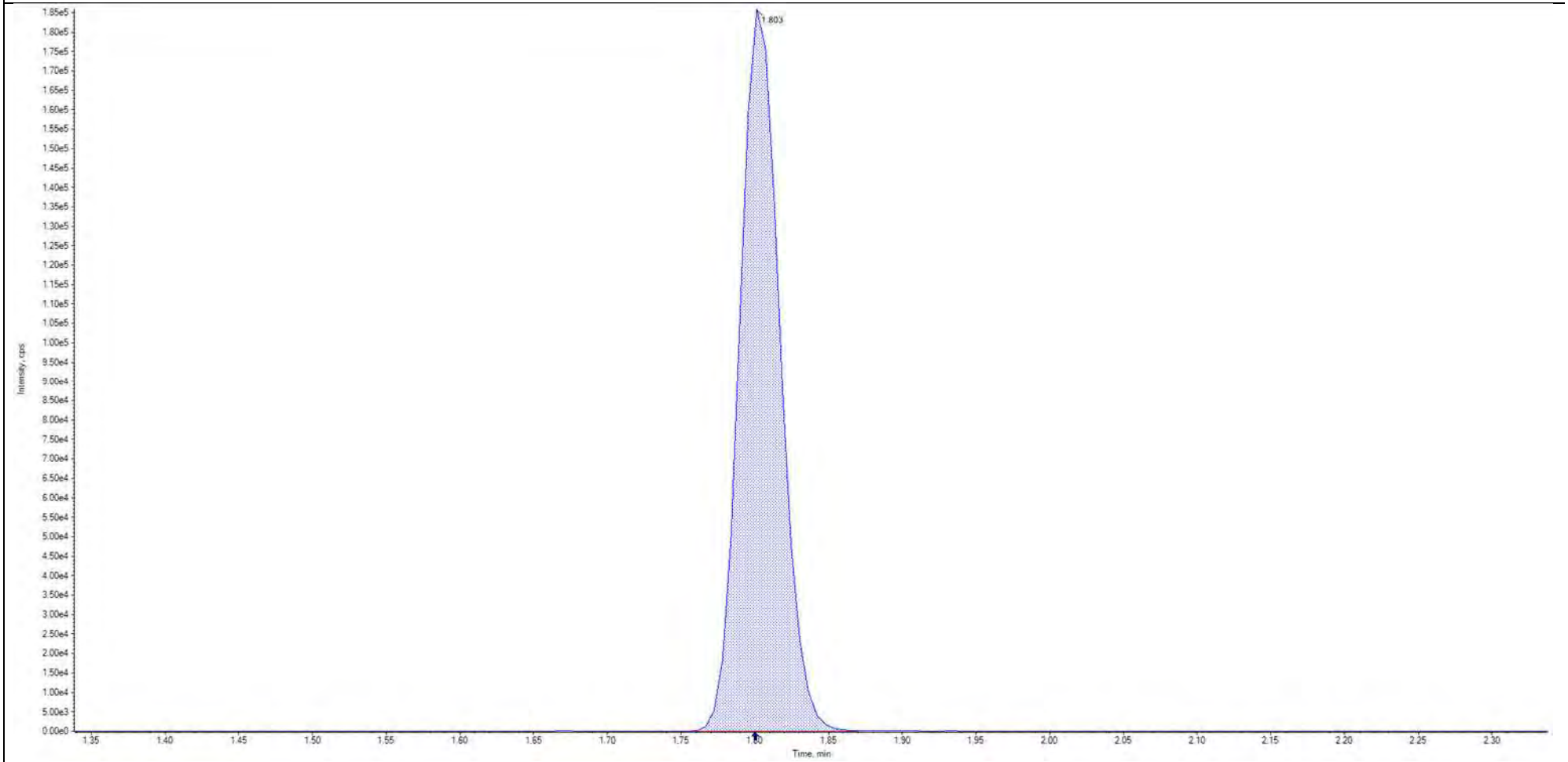
13C3-HFPO-DA
Sample: WG2012727-4



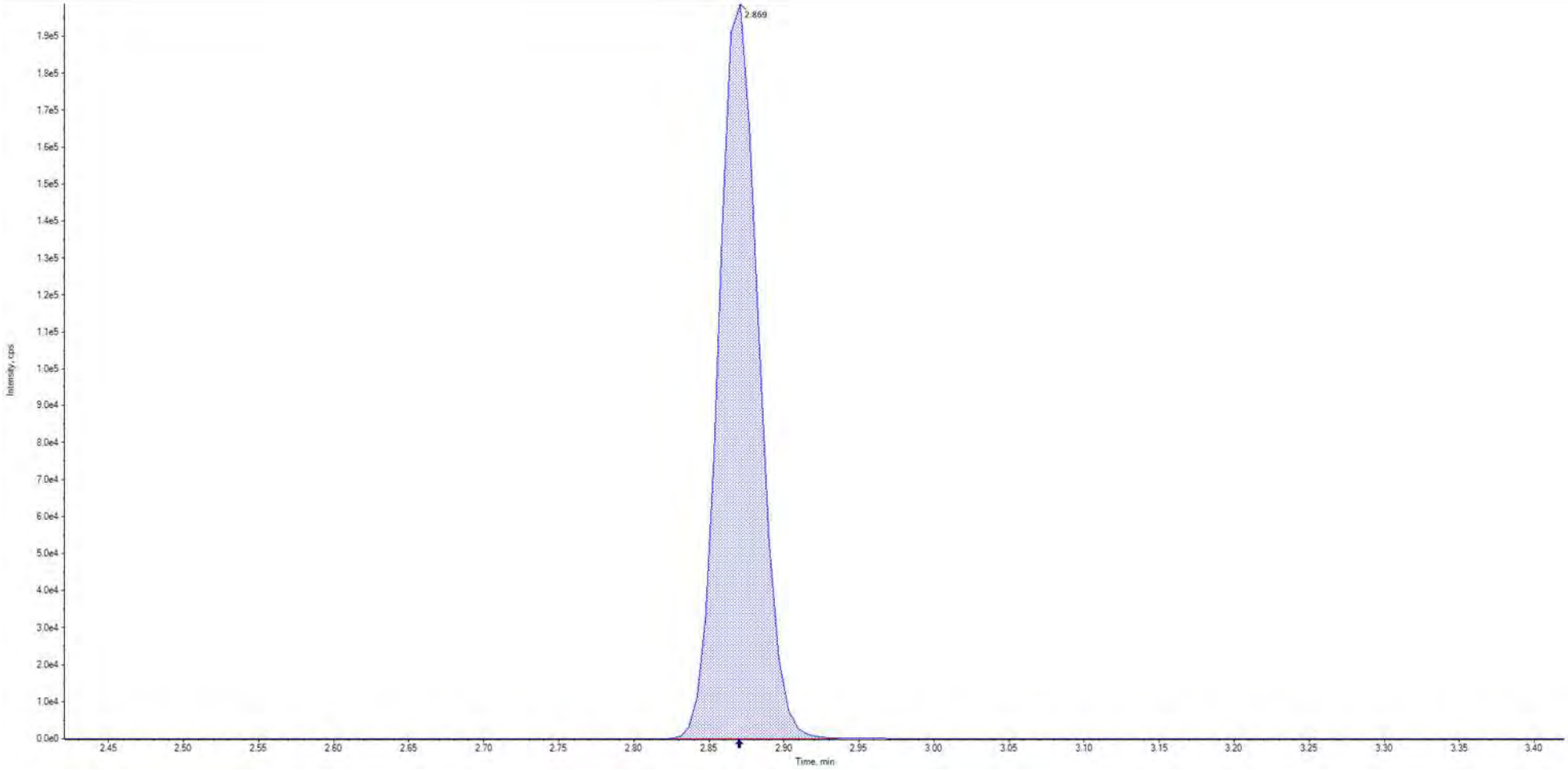
13C3-PFBA
Sample: WG2012727-4



13C2-PFHxA
Sample: WG2012727-4

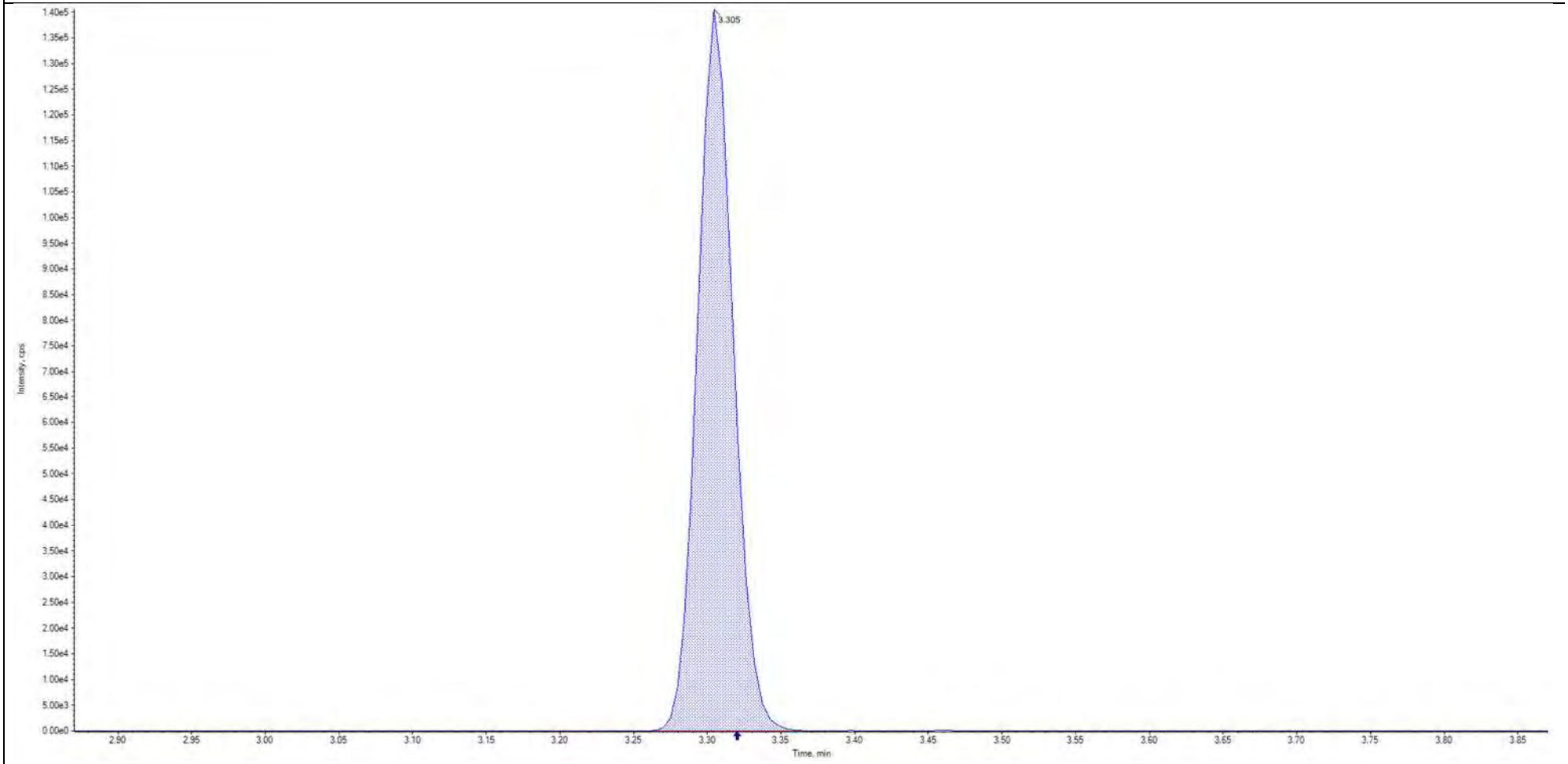


13C4-PFOA
Sample: WG2012727-4

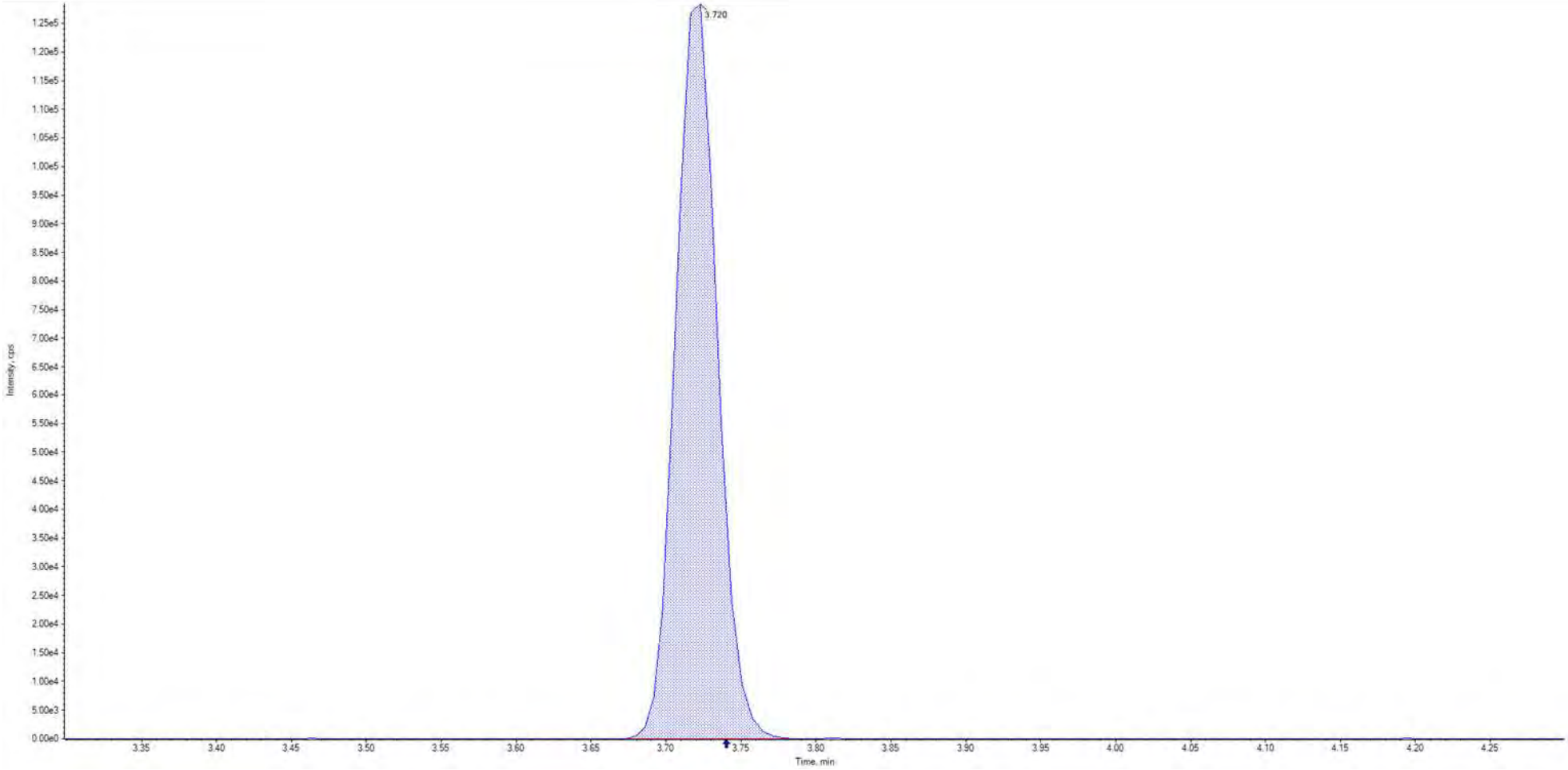


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_24.wiff2_9
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

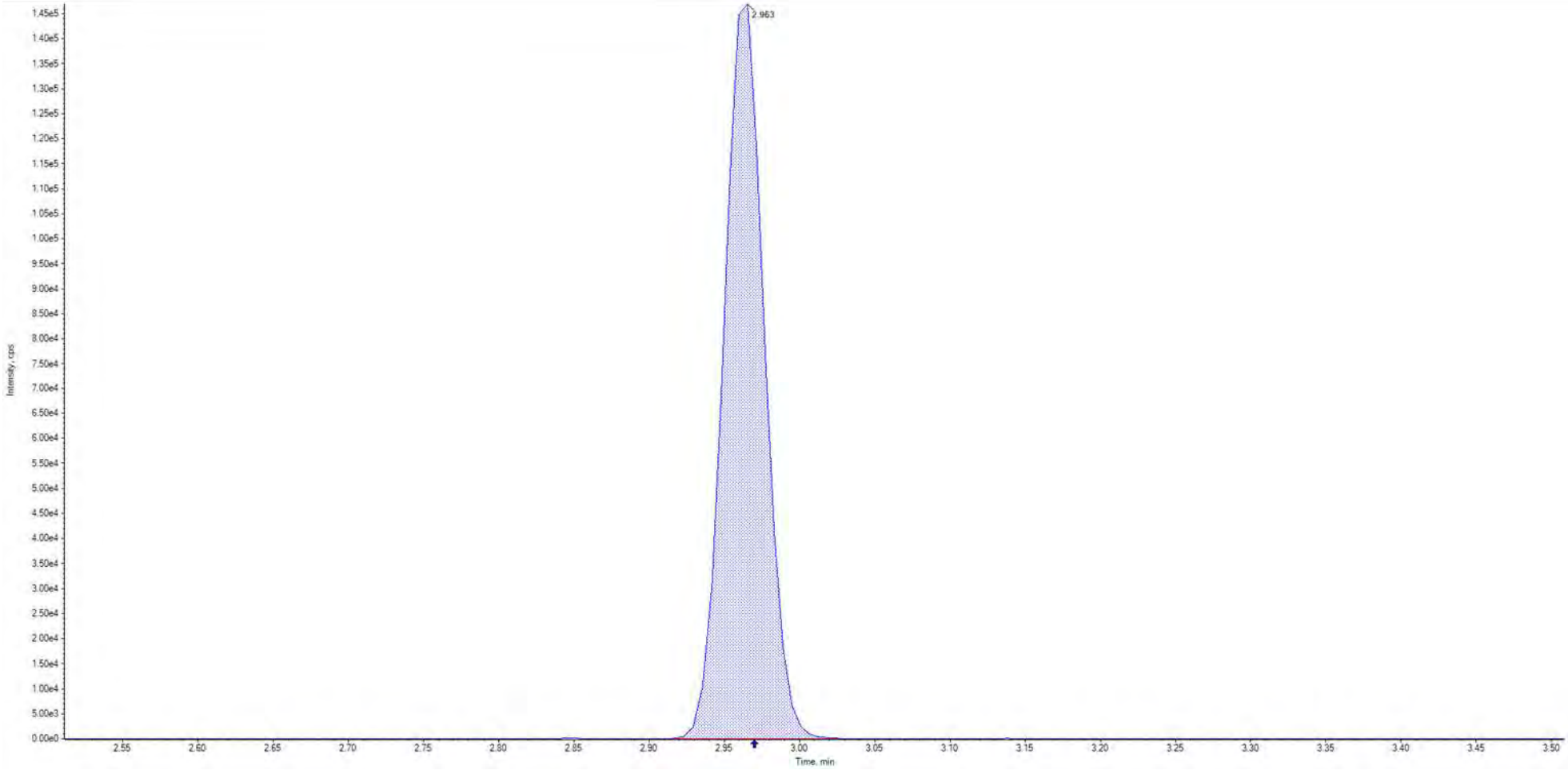
13C5-PFNA
Sample: WG2012727-4



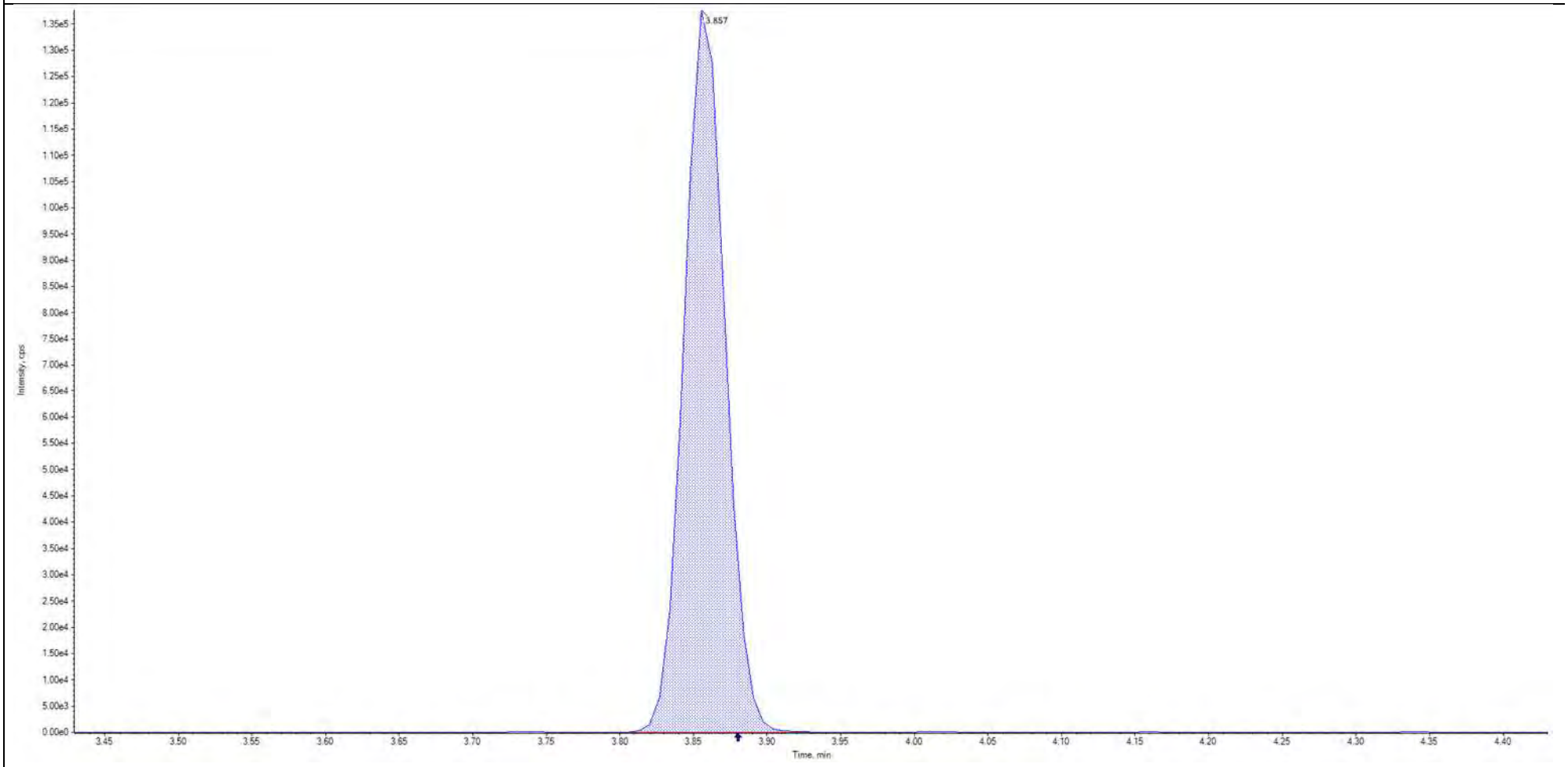
13C2-PFDA
Sample: WG2012727-4



18O2-PFHxS
Sample: WG2012727-4



13C4-PFOS
Sample: WG2012727-4



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_25.wiff2_10
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

Method: EPA1633F.qmethod
Calibration: 241112_1633_ICAL

ID: WG2012727-5
Name: SCI09_241223_25.wiff2
Date & Time: 2024-12-23T23:14:50
Description: WG2012688,WG2012727,ICAL21696
Instrument: SCIEX Triple Quad 5500+
User: LCMS09:JW

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.56	213.0 / 169.0	1151312		10.719	N/A	N/A	N/A	107.2
2	PFPeA	2706-90-3	1.08	263.0 / 219.0	650065		5.424	0.008	N/A	N/A	108.5
3	PFPeA_2	2706-90-3	1.08	263.0 / 68.9	4979		4.767	0.008	N/A	N/A	95.3
4	PFHxA	307-24-4	1.83	313.0 / 269.0	445830		2.931	0.094	0.089	Pass	117.2
5	PFHxA_2	307-24-4	1.83	313.0 / 119.0	41805		3.026	0.094	0.089	Pass	121.0
6	PFHpA	375-85-9	2.40	363.1 / 319.0	472320		2.643	0.403	0.384	Pass	105.7
7	PFHpA_2	375-85-9	2.40	363.1 / 169.0	190398		2.739	0.403	0.384	Pass	109.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	2.88	413.1 / 369.1	517983	M5	2.750	0.395	0.410	Pass	110.0
9	PFOA_2	335-67-1	2.88	413.1 / 169.0	204660	M5	2.656	0.395	0.410	Pass	106.2
10	PFNA	375-95-1	3.32	462.8 / 418.9	436540	M5	2.618	0.337	0.341	Pass	104.7
11	PFNA_2	375-95-1	3.32	462.8 / 219.0	147154	M5	2.559	0.337	0.341	Pass	102.4
12	PFDA	335-76-2	3.74	513.1 / 469.1	362812		2.265	0.188	0.215	Pass	90.6
13	PFDA_2	335-76-2	3.74	513.1 / 219.0	68134		2.259	0.188	0.215	Pass	90.4
14	PFUnA	2058-94-8	4.14	563.1 / 519.1	326313		2.136	0.153	0.151	Pass	85.4
15	PFUnA_2	2058-94-8	4.14	563.1 / 269.0	49883		2.194	0.153	0.151	Pass	87.8
16	PFDoA	307-55-1	4.52	613.1 / 569.1	310173		1.984	0.146	0.140	Pass	79.4
17	PFDoA_2	307-55-1	4.52	613.1 / 319.0	45260		2.061	0.146	0.140	Pass	82.4
18	PFTrDA	72629-94-8	4.89	663.1 / 619.1	283109		1.989	0.168	0.159	Pass	79.6
19	PFTrDA_2	72629-94-8	4.89	663.1 / 169.0	47464		2.155	0.168	0.159	Pass	86.2
20	PFTeDA	376-06-7	5.25	713.1 / 669.1	239885		1.880	0.160	0.159	Pass	75.2
21	PFTeDA_2	376-06-7	5.25	713.1 / 169.0	38312		1.879	0.160	0.159	Pass	75.2
22	PFBS	375-73-5	1.82	299.1 / 80.1	369530		2.214	0.387	0.398	Pass	99.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	1.82	299.1 / 99.1	143013		2.459	0.387	0.398	Pass	104.7
24	PFPeS	2706-91-4	2.45	349.1 / 80.1	361295		2.491	0.319	0.285	Pass	106.0
25	PFPeS_2	2706-91-4	2.45	349.1 / 99.1	115206		2.537	0.319	0.285	Pass	108.0
26	PFHxS	355-46-4	2.98	399.1 / 80.1	314878	M5	2.261	0.333	0.293	Pass	99.2
27	PFHxS_2	355-46-4	2.98	399.1 / 99.1	104723	M5	2.615	0.333	0.293	Pass	114.7
28	PFHpS	375-92-8	3.44	449.1 / 80.1	324921		2.817	0.291	0.308	Pass	118.4
29	PFHpS_2	375-92-8	3.44	449.1 / 99.1	94641		2.810	0.291	0.308	Pass	118.1
30	PFOS	1763-23-1	3.88	499.1 / 80.1	302272	M5	2.259	0.243	0.241	Pass	97.4
31	PFOS_2	1763-23-1	3.88	499.1 / 99.1	73346		2.262	0.243	0.241	Pass	97.5
32	PFNS	68259-12-1	4.28	549.1 / 80.1	170372		1.769	0.295	0.299	Pass	73.7
33	PFNS_2	68259-12-1	4.28	549.1 / 99.1	50192		1.788	0.295	0.299	Pass	74.5
34	PFDS	335-77-3	4.67	599.1 / 80.1	164643		1.608	0.269	0.274	Pass	66.7
35	PFDS_2	335-77-3	4.67	599.1 / 99.1	44298		1.514	0.269	0.274	Pass	62.8
36	PFDoS	79780-39-5	5.40	699.2 / 80.1	127870		1.435	0.256	0.247	Pass	59.3
37	PFDoS_2	79780-39-5	5.40	699.2 / 99.1	32709		1.432	0.256	0.247	Pass	59.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	1.62	327.1 / 307.1	355206		9.712	0.671	0.634	Pass	103.7
39	4:2FTS_2	757124-72-4	1.62	327.1 / 81.1	238481		10.317	0.671	0.634	Pass	110.1
40	6:2FTS	27619-97-2	2.70	427.2 / 407.2	313273		10.487	0.582	0.609	Pass	110.3
41	6:2FTS_2	27619-97-2	2.70	427.2 / 81.1	182460		9.832	0.582	0.609	Pass	103.4
42	8:2FTS	39108-34-4	3.56	527.2 / 507.2	165616		9.161	0.683	0.681	Pass	95.4
43	8:2FTS_2	39108-34-4	3.56	527.2 / 81.1	113196		9.662	0.683	0.681	Pass	100.7
44	PFOSA	754-91-6	5.18	498.1 / 78.1	297302	M5	1.989	0.027	0.024	Pass	79.6
45	PFOSA_2	754-91-6	5.18	498.1 / 478.0	8081	M5	2.190	0.027	0.024	Pass	87.6
46	NMeFOSA	31506-32-8	5.91	512.2 / 219.0	53866	M5	1.807	1.387	1.421	Pass	72.3
47	NMeFOSA_2	31506-32-8	5.87	512.2 / 169.0	74699	M5	1.742	1.387	1.421	Pass	69.7
48	NEtFOSA	4151-50-2	6.20	526.2 / 219.0	51316	M5	1.912	1.269	1.258	Pass	76.5
49	NEtFOSA_2	4151-50-2	6.16	526.2 / 169.0	65100		1.877	1.269	1.258	Pass	75.1
50	NMeFOSAA	2355-31-9	3.88	570.2 / 419.1	30986		2.308	0.779	0.683	Pass	92.3
51	NMeFOSAA_2	2355-31-9	3.88	570.2 / 483.0	24139	M5	2.568	0.779	0.683	Pass	102.7
52	NEtFOSAA	2991-50-6	4.09	584.2 / 419.1	29679	M5	2.227	0.527	0.571	Pass	89.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.09	584.2 / 526.2	15651	M5	2.022	0.527	0.571	Pass	80.9
54	NMeFOSE	24448-09-7	5.78	616.1 / 58.9	931986	M5	20.151	N/A	N/A	N/A	80.6
55	NEtFOSE	1691-99-2	6.08	630.0 / 58.9	1322624	M5	21.854	N/A	N/A	N/A	87.4
56	HFPO-DA	13252-13-6	2.03	285.0 / 169.0	1516987		10.981	0.558	0.510	Pass	109.8
57	HFPO-DA_2	13252-13-6	2.03	285.0 / 184.9	846114		11.420	0.558	0.510	Pass	114.2
58	ADONA	919005-14-4	2.58	376.9 / 251.0	2192875		9.462	0.854	0.636	Pass	100.1
59	ADONA_2	919005-14-4	2.58	376.9 / 84.8	1873770		10.632	0.854	0.636	Pass	112.5
60	9Cl-PF3ONS	756426-58-1	4.16	530.8 / 351.1	2306636		9.573	0.310	0.326	Pass	102.6
61	9Cl-PF3ONS_2	756426-58-1	4.16	532.8 / 353.0	716207		8.892	0.310	0.326	Pass	95.3
62	11Cl-PF3OUdS	763051-92-9	4.93	630.9 / 451.0	1558026		7.301	0.321	0.318	Pass	77.4
63	11Cl-PF3OUdS_2	763051-92-9	4.93	632.9 / 452.9	499575		7.310	0.321	0.318	Pass	77.5
64	3:3FTCA	356-02-5	1.58	241.1 / 177.1	164146		16.995	0.885	1.068	Pass	136.0
65	3:3FTCA_2	356-02-5	1.58	241.1 / 117.0	145201		14.026	0.885	1.068	Pass	112.2
66	5:3FTCA	914637-49-3	2.96	341.1 / 237.1	2494783		62.543	1.022	1.045	Pass	100.1
67	5:3FTCA_2	914637-49-3	2.96	341.1 / 217.0	2549544		62.512	1.022	1.045	Pass	100.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	3.98	441.1 / 316.9	1433159		43.062	1.405	1.285	Pass	68.9
69	7:3FTCA_2	812-70-4	3.98	441.1 / 337.1	2013982		46.657	1.405	1.285	Pass	74.7
70	PFEESA	113507-82-7	2.12	315.1 / 135.0	2300054		5.256	0.077	0.081	Pass	117.8
71	PFEESA_2	113507-82-7	2.12	315.1 / 82.9	177268		4.991	0.077	0.081	Pass	111.9
72	PFMPA	377-73-1	0.70	229.0 / 85.0	635912		5.704	N/A	N/A	N/A	114.1
73	PFMBA	863090-89-5	1.35	279.0 / 85.0	759280		4.982	N/A	N/A	N/A	99.6
74	NFDHA	151772-58-6	1.75	295.0 / 201.0	534432		5.813	0.762	0.681	Pass	116.3
75	NFDHA_2	151772-58-6	1.75	295.0 / 84.9	407234		6.150	0.762	0.681	Pass	123.0
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	5.357	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	5.357	N/A	N/A
78	13C2D4-4:2FTS	Surr	N/A	333.2 / 312.1	N/A		N/A	N/A	N/A	N/A	N/A
79	13C2-PFOA	Surr	N/A	415.0 / 370.0	N/A		N/A	N/A	N/A	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.56	217.0 / 172.0	1259780		9.370	NA	NA	NA	93.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.08	268.0 / 223.0	683909		4.454	NA	NA	NA	89.1
	13C5-PFHxA	EIS	1.82	318.0 / 273.0	331674		2.047	NA	NA	NA	81.9
	13C4-PFHpA	EIS	2.39	367.0 / 322.0	293458		2.170	NA	NA	NA	86.8
	13C8-PFOA	EIS	2.88	420.8 / 376.0	582632		2.449	NA	NA	NA	98.0
	13C9-PFNA	EIS	3.32	472.0 / 427.0	235060		1.169	NA	NA	NA	93.6
	13C6-PFDA	EIS	3.73	519.0 / 474.0	236480		1.074	NA	NA	NA	85.9
	13C7-PFUnA	EIS	4.13	570.0 / 525.0	234722		0.961	NA	NA	NA	76.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.51	615.1 / 570.0	222509		0.852	NA	NA	NA	68.2
	13C2-PFTeDA	EIS	5.24	715.1 / 670.1	161540		0.834	NA	NA	NA	66.7
	13C3-PFBS	EIS	1.81	302.1 / 80.1	388368		2.413	NA	NA	NA	103.6
	13C3-PFHxS	EIS	2.97	402.1 / 80.1	321045		2.252	NA	NA	NA	95.0
	13C8-PFOS	EIS	3.87	507.1 / 80.1	303867		1.985	NA	NA	NA	82.7
	13C2-4:2FTS	EIS	1.62	329.1 / 81.1	109133		4.880	NA	NA	NA	104.1
	13C2-6:2FTS	EIS	2.70	429.2 / 81.1	90944		4.582	NA	NA	NA	96.3
	13C2-8:2FTS	EIS	3.56	529.2 / 81.1	69471		2.957	NA	NA	NA	61.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	5.17	506.1 / 78.1	475585		1.829	NA	NA	NA	73.2
	d3-NMeFOSA	EIS	5.90	515.2 / 219.0	69072		1.623	NA	NA	NA	64.9
	d5-NEtFOSA	EIS	6.19	531.2 / 219.0	60285		1.561	NA	NA	NA	62.4
	d3-NMeFOSAA	EIS	3.87	573.2 / 419.1	84611		3.201	NA	NA	NA	64.0
	d5-NEtFOSAA	EIS	4.08	589.3 / 419.1	70647		2.712	NA	NA	NA	54.2
	d7-NMeFOSE	EIS	5.76	623.2 / 58.9	536353		19.452	NA	NA	NA	77.8
	d9-NEtFOSE	EIS	6.05	639.2 / 58.9	701490		18.907	NA	NA	NA	75.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.03	287.0 / 169.0	1448897		9.157	NA	NA	NA	91.6
	13C3-PFBA	NIS	0.56	216.0 / 172.0	586099		4.622	NA	NA	NA	92.4
	13C2-PFHxA	NIS	1.82	315.0 / 270.0	449516		3.018	NA	NA	NA	120.7
	13C4-PFOA	NIS	2.88	417.0 / 372.0	379238		2.631	NA	NA	NA	105.2
	13C5-PFNA	NIS	3.32	468.0 / 423.0	250242		1.225	NA	NA	NA	98.0
	13C2-PFDA	NIS	3.73	515.1 / 470.1	261296		1.239	NA	NA	NA	99.1
	18O2-PFHxS	NIS	2.97	403.1 / 84.1	297739		2.552	NA	NA	NA	107.7
	13C4-PFOS	NIS	3.87	503.1 / 80.1	304951		2.430	NA	NA	NA	101.2

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Alpha Analytical LLC
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	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec

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PFBA
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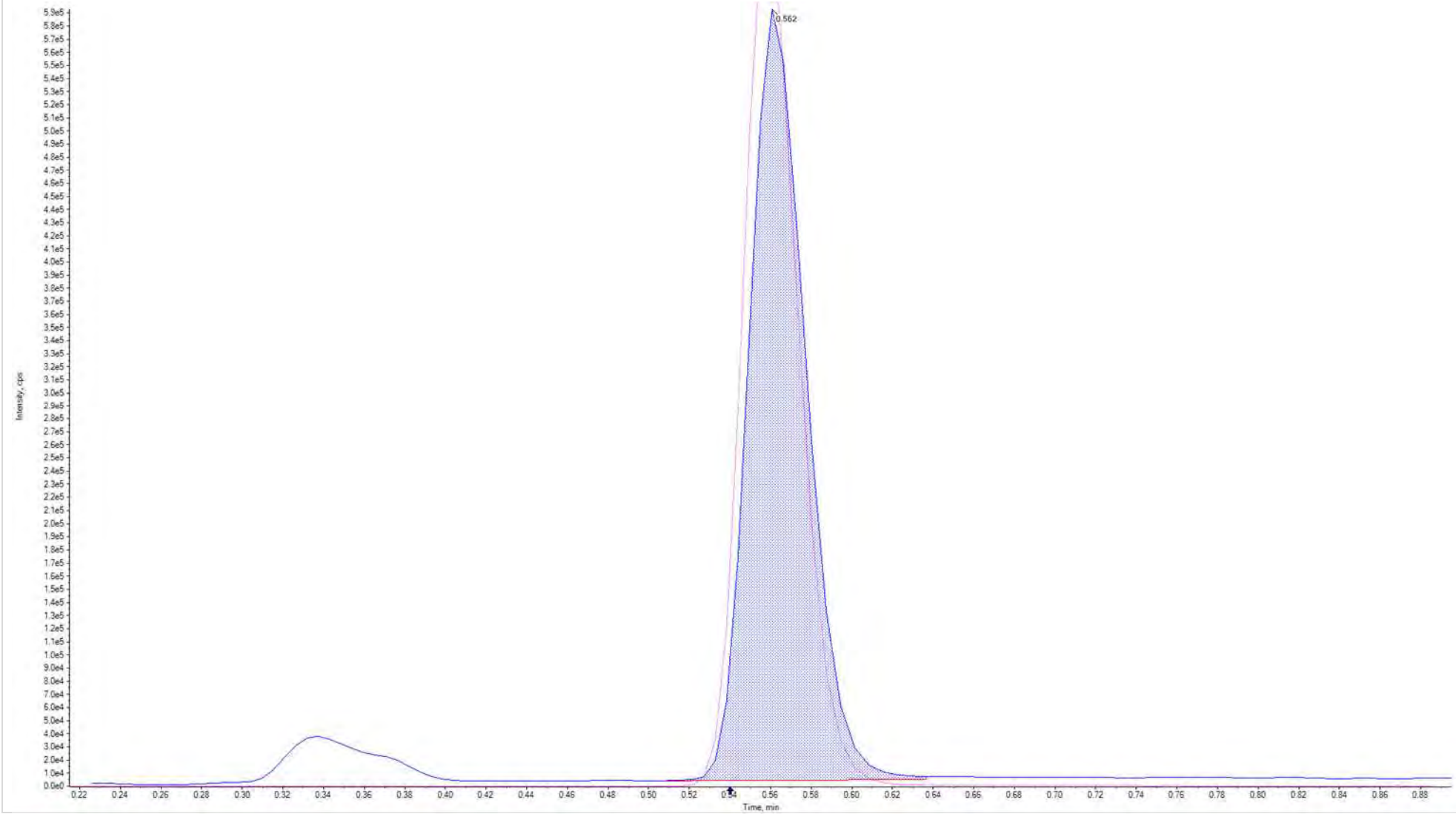

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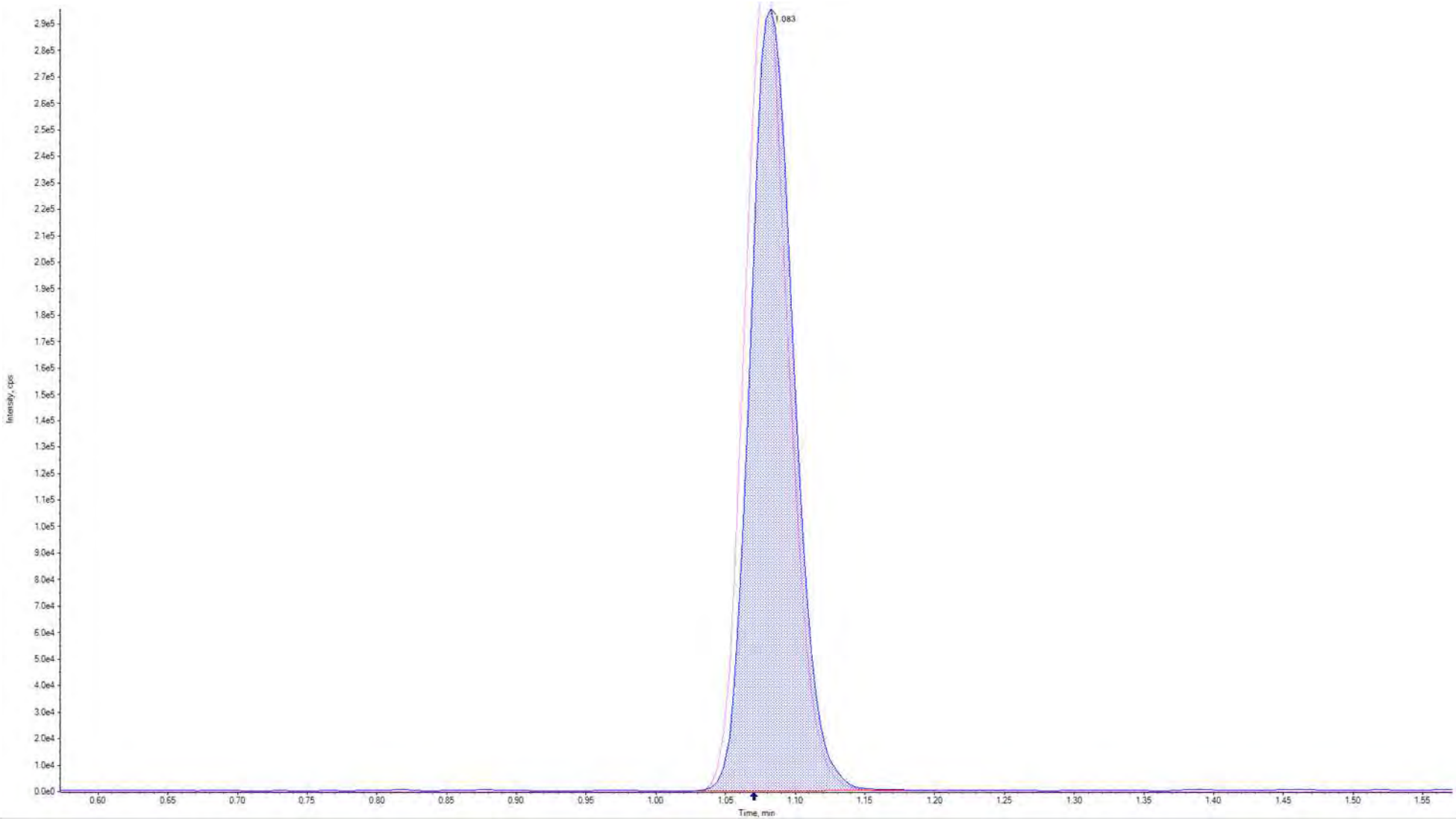
PFPeA
Sample: WG2012727-5 S/N:2182.6 Points Across peak:43



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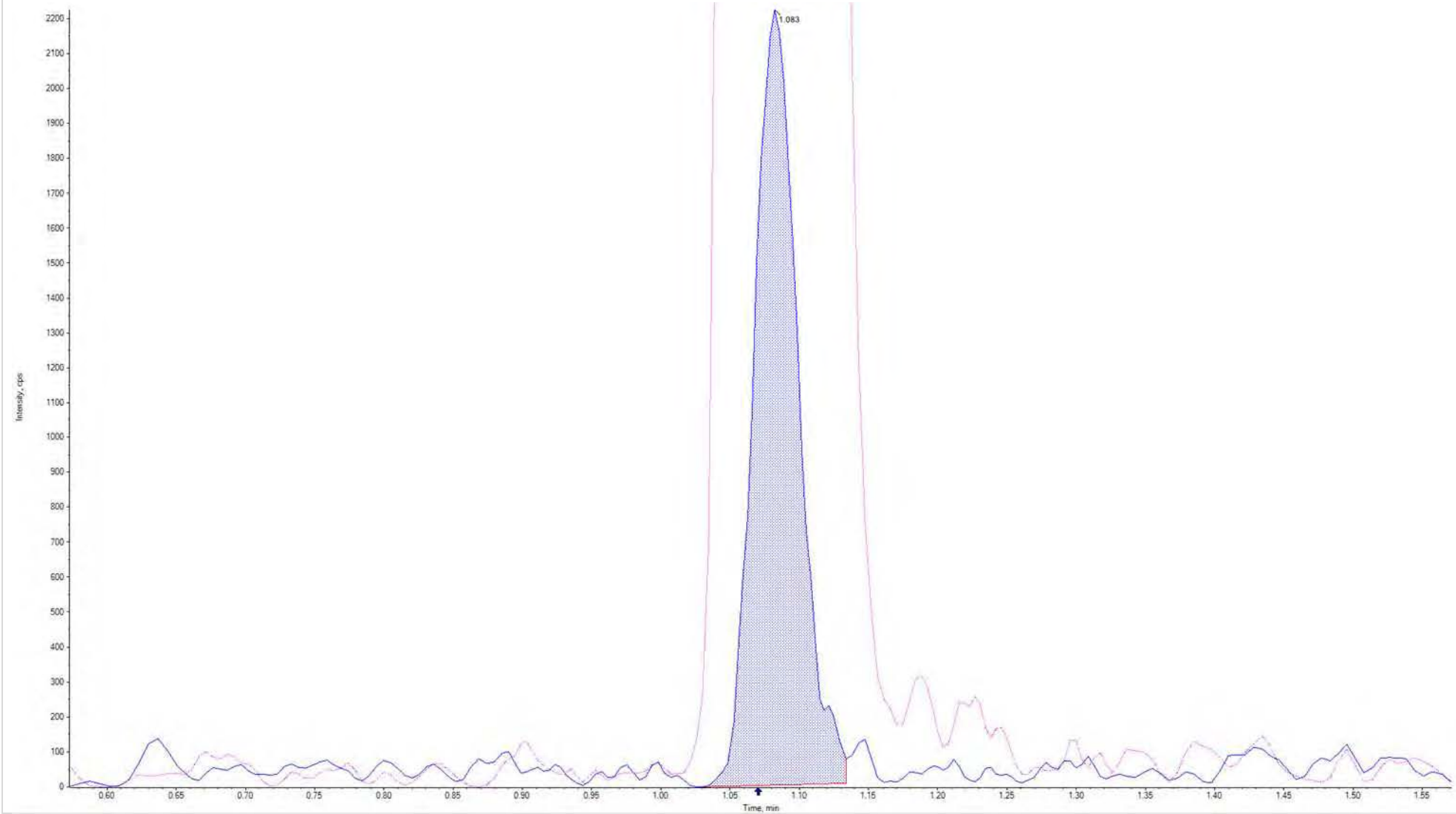
PFPeA_2
Sample: WG2012727-5 S/N:133.5 Points Across peak:30



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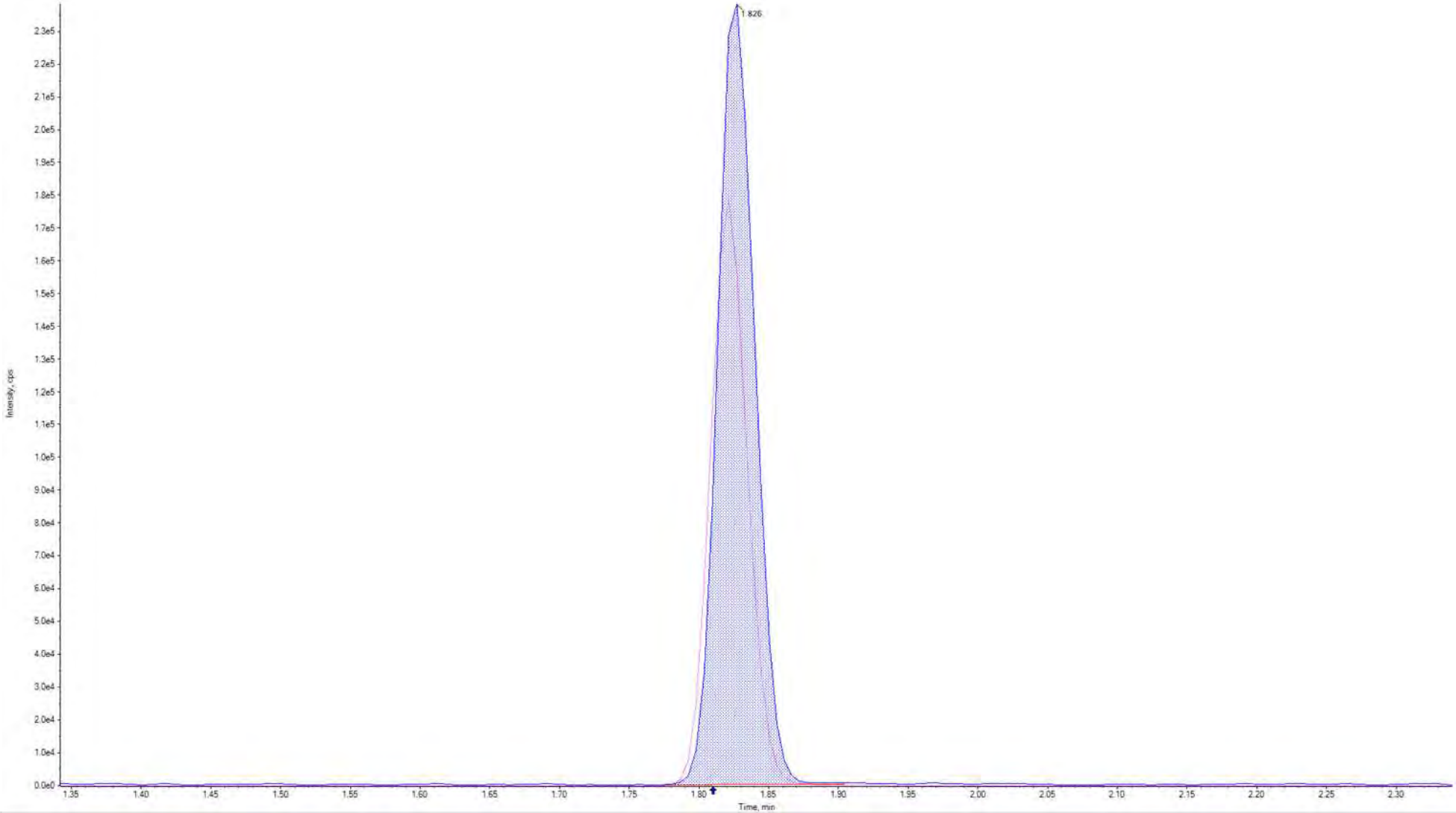
PFHxA
Sample: WG2012727-5 S/N:1719.0 Points Across peak:25



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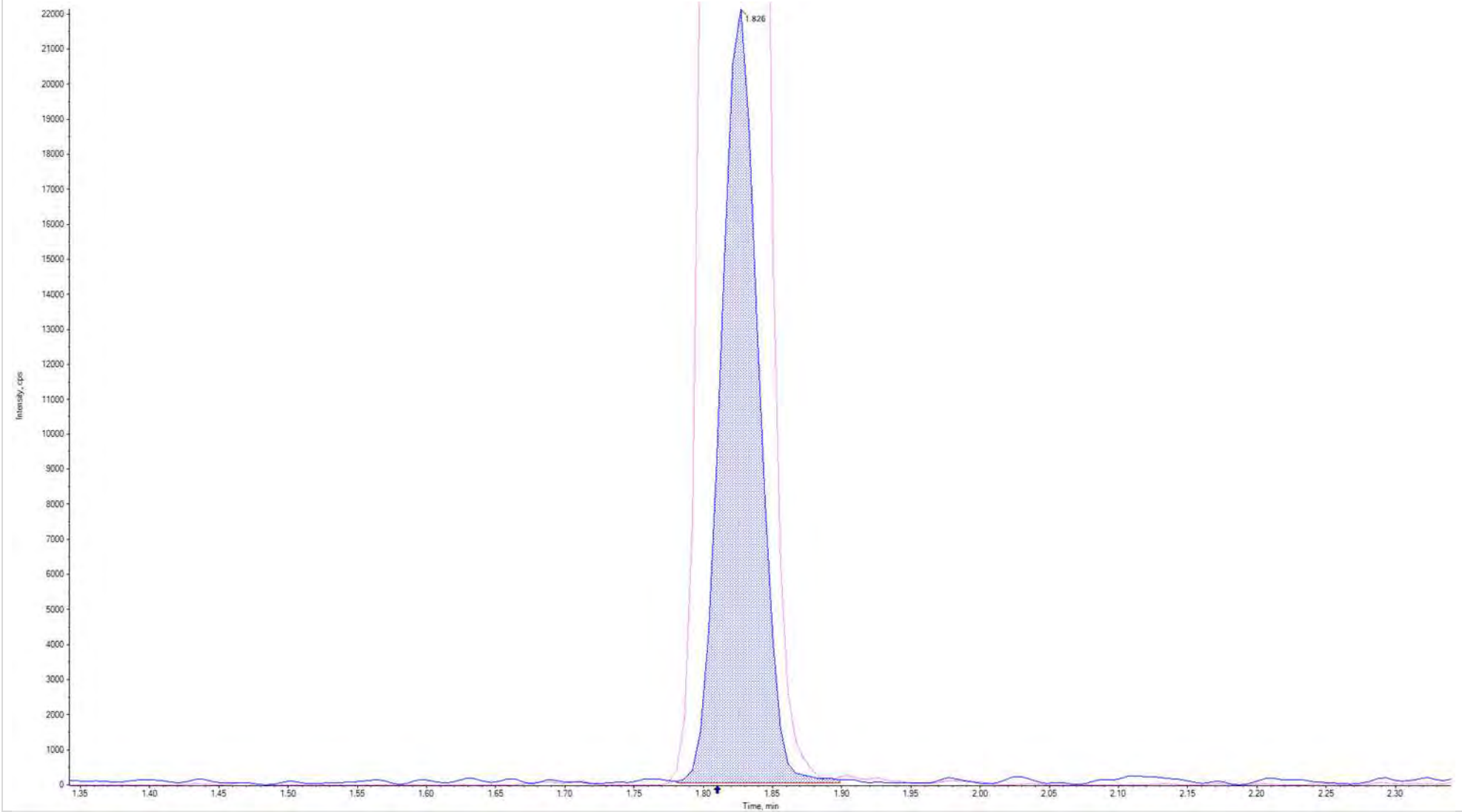
PFHxA_2
Sample: WG2012727-5 S/N:553.3 Points Across peak:22



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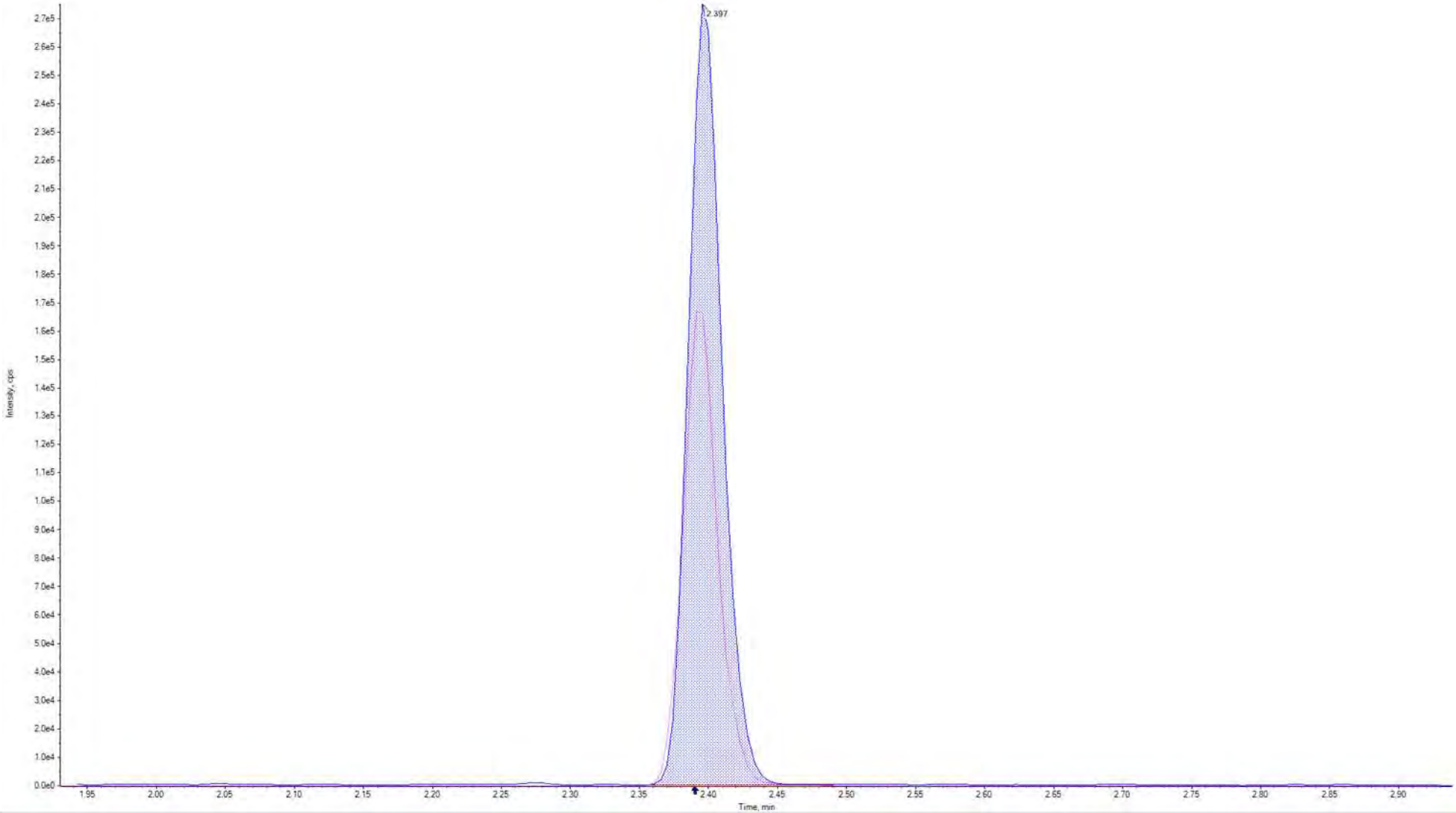
PFHpA
Sample: WG2012727-5 S/N:2785.9 Points Across peak:29



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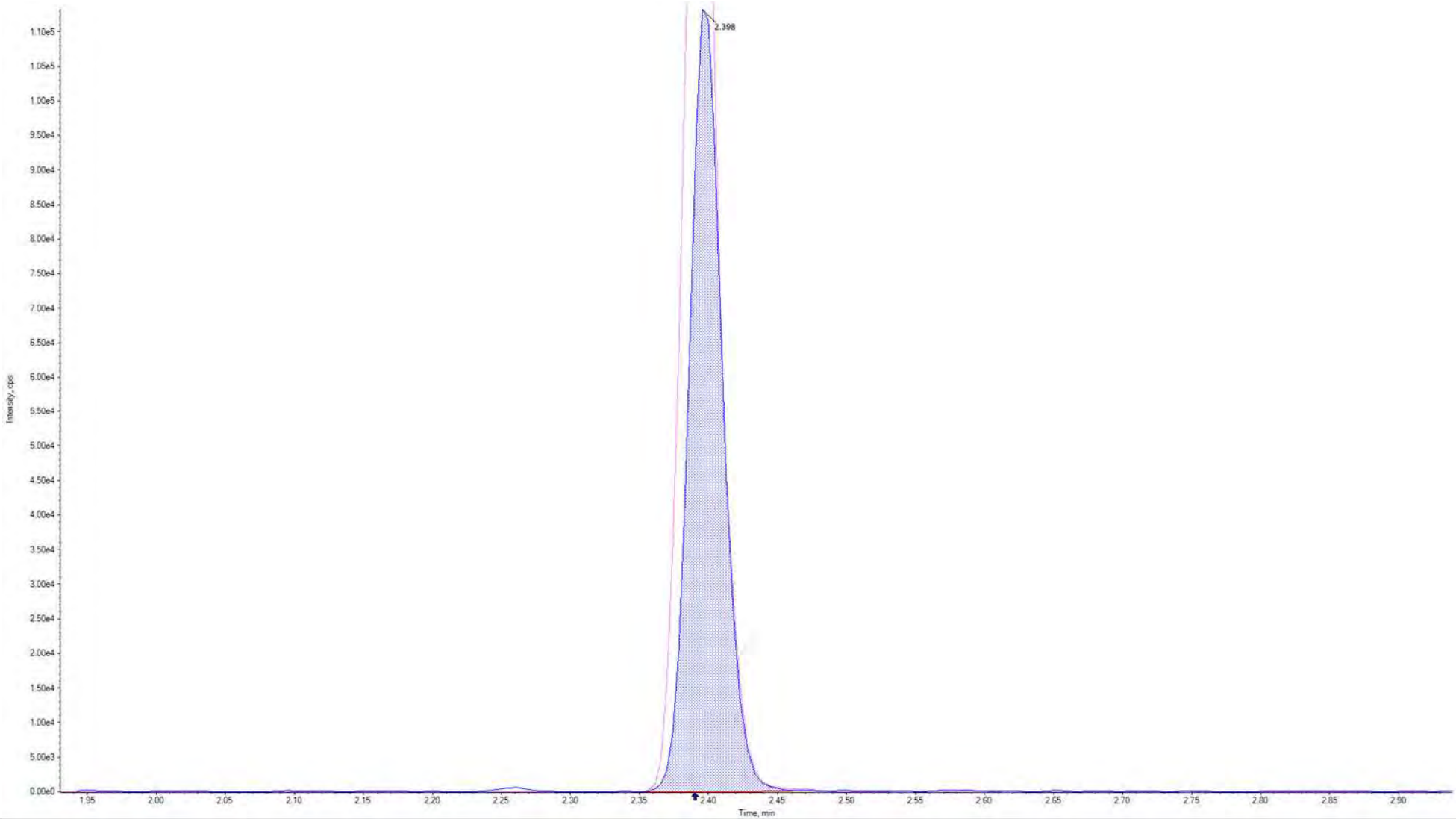
PFHpA_2
Sample: WG2012727-5 S/N:2271.0 Points Across peak:25



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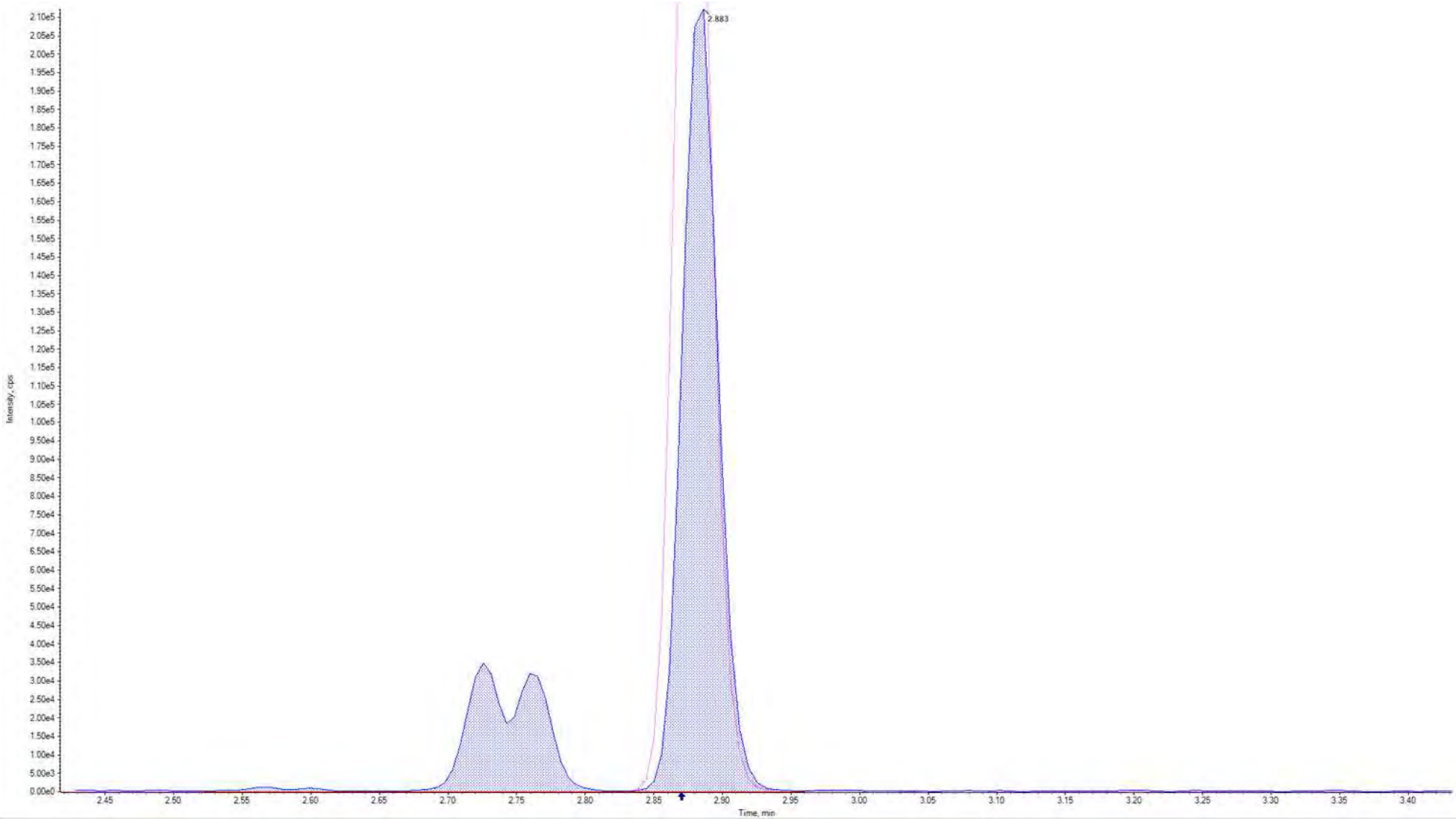
PFOA
Sample: WG2012727-5 S/N:631.4 Points Across peak:75



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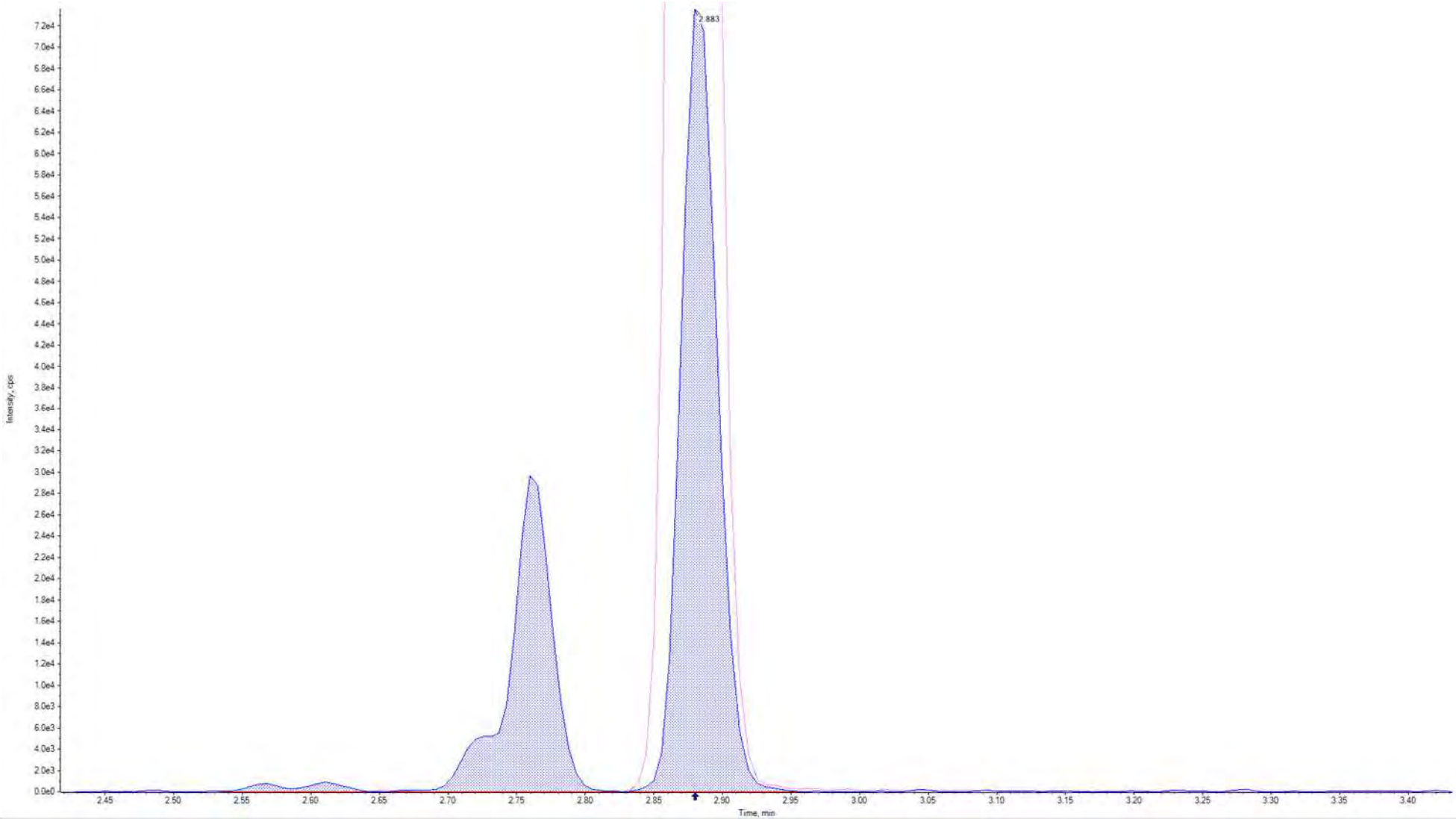
PFOA_2
Sample: WG2012727-5 S/N:520.4 Points Across peak:73



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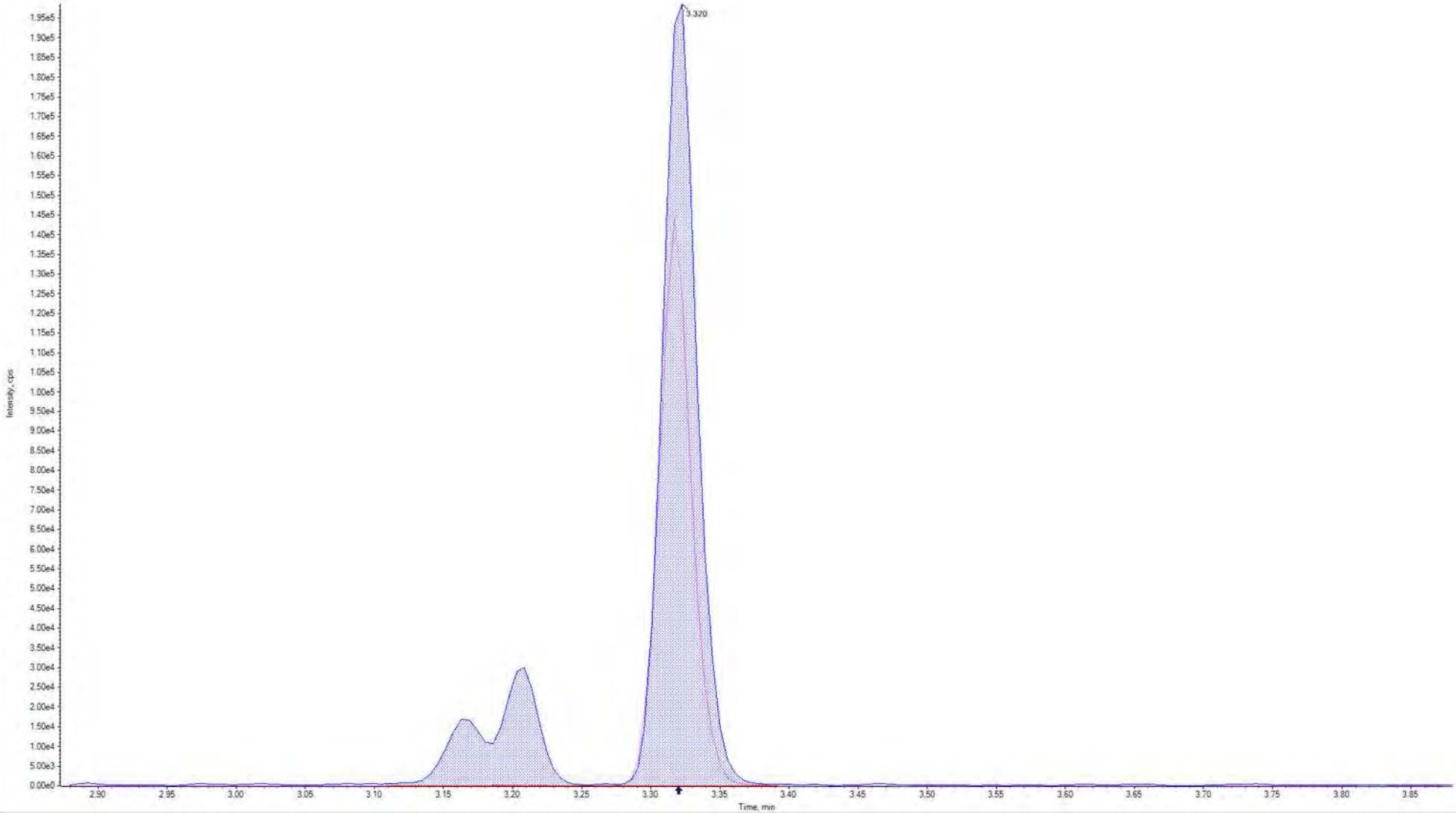
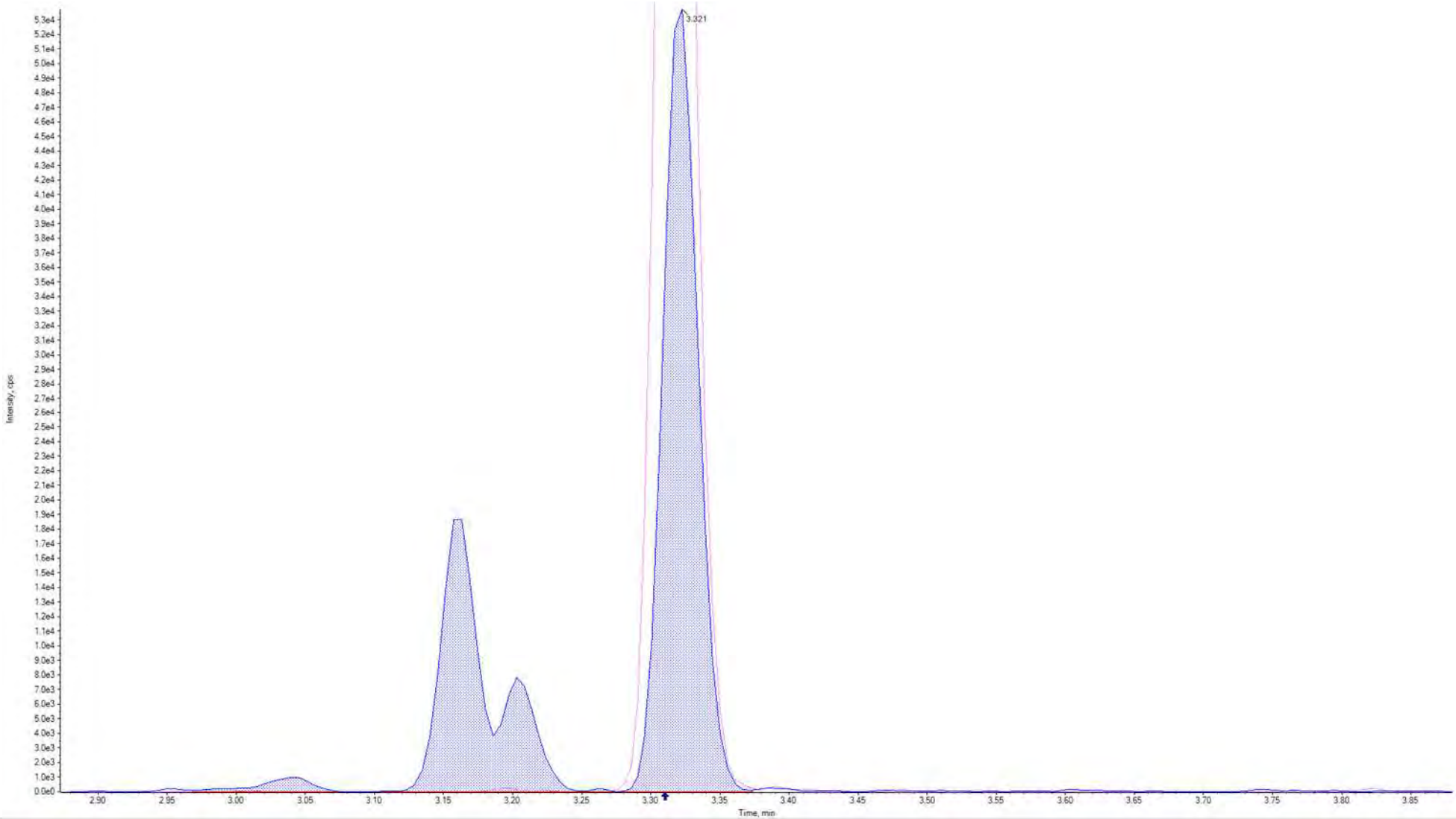
PFNA
Sample: WG2012727-5 S/N:640.7 Points Across peak:55



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_25.wiff2_10
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFNA_2
Sample: WG2012727-5 S/N:402.8 Points Across peak:75



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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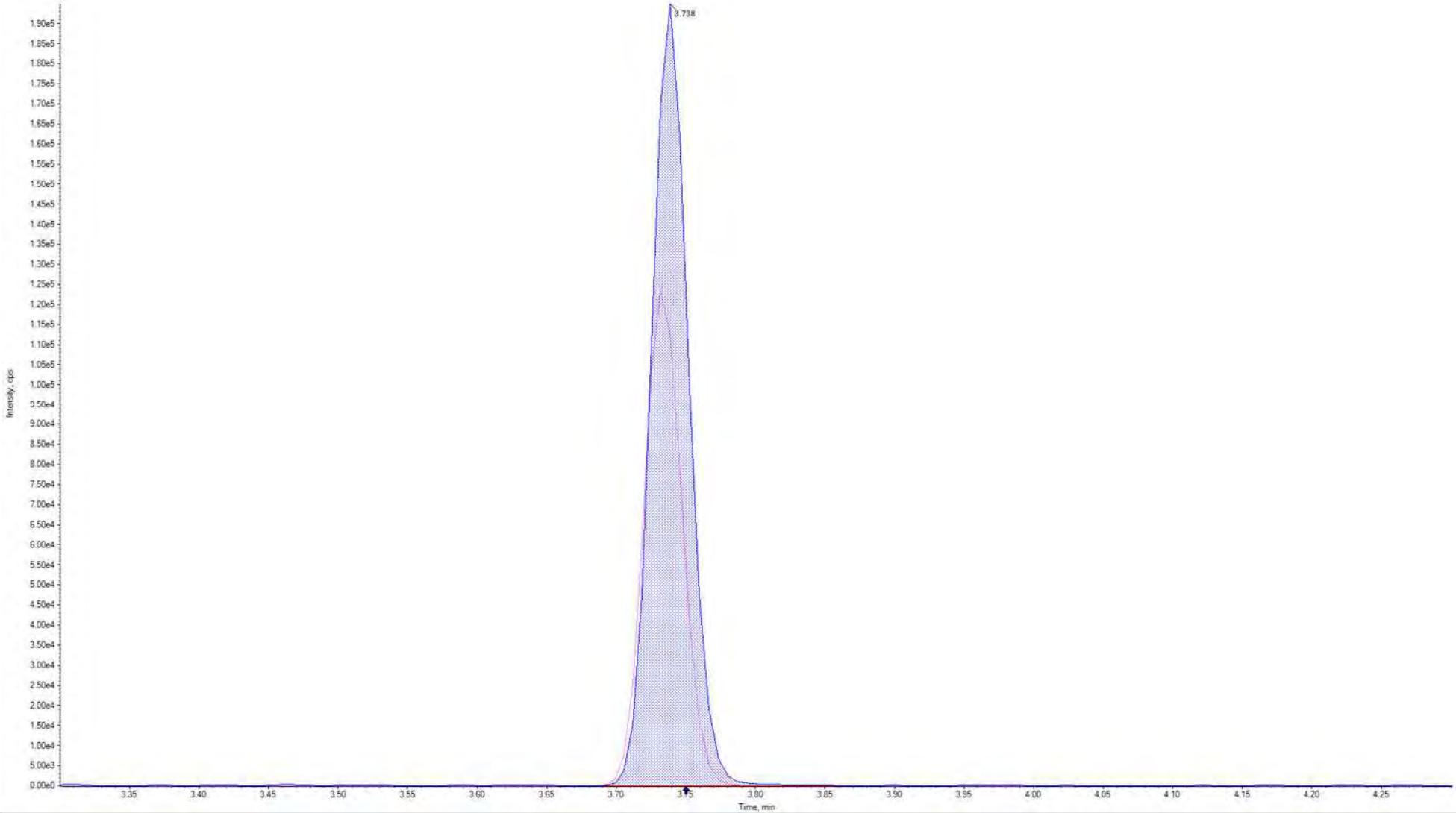
PFDA
Sample: WG2012727-5 S/N:3908.4 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_25.wiff2_10
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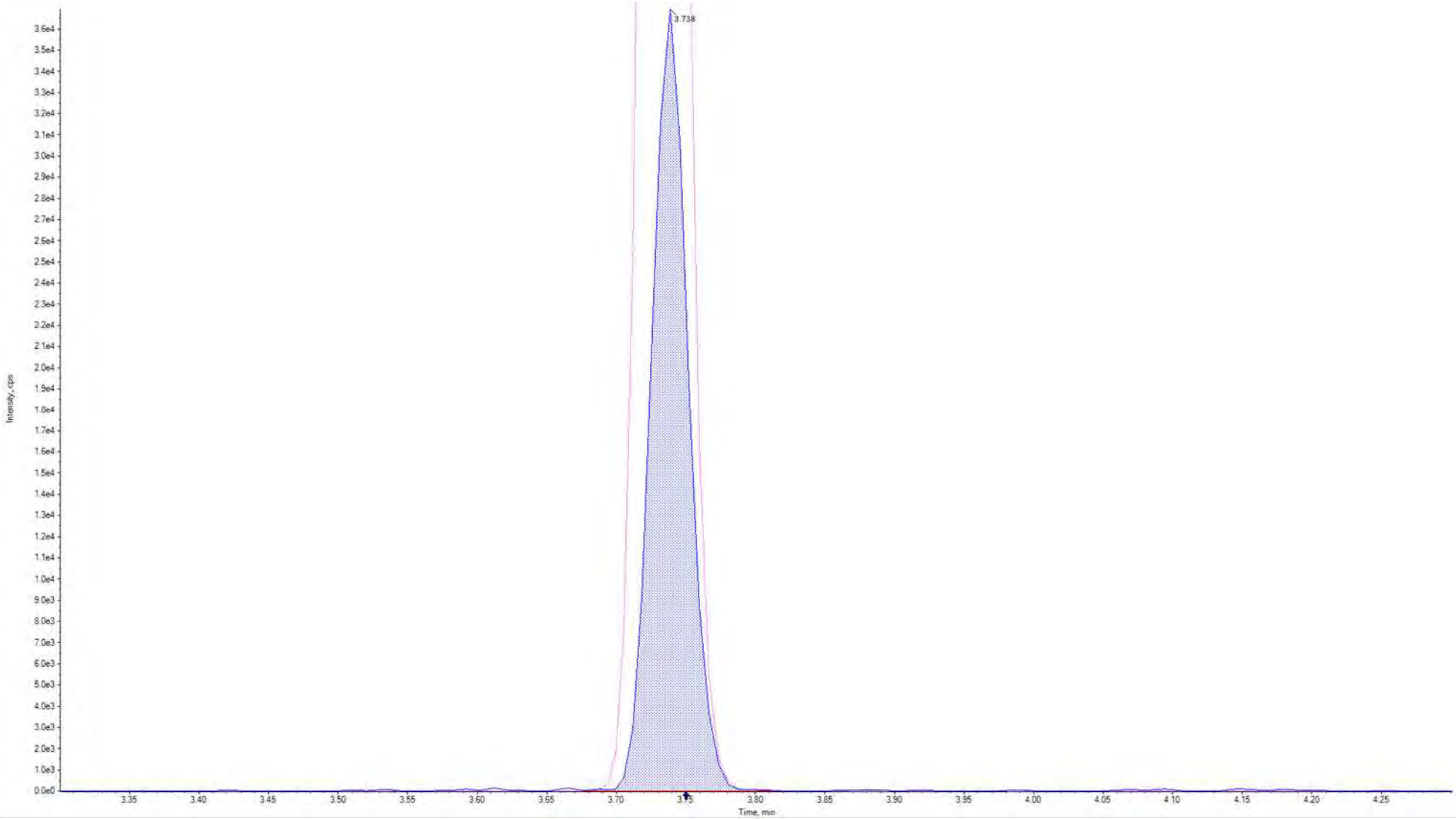
PFDA_2
Sample: WG2012727-5 S/N:740.6 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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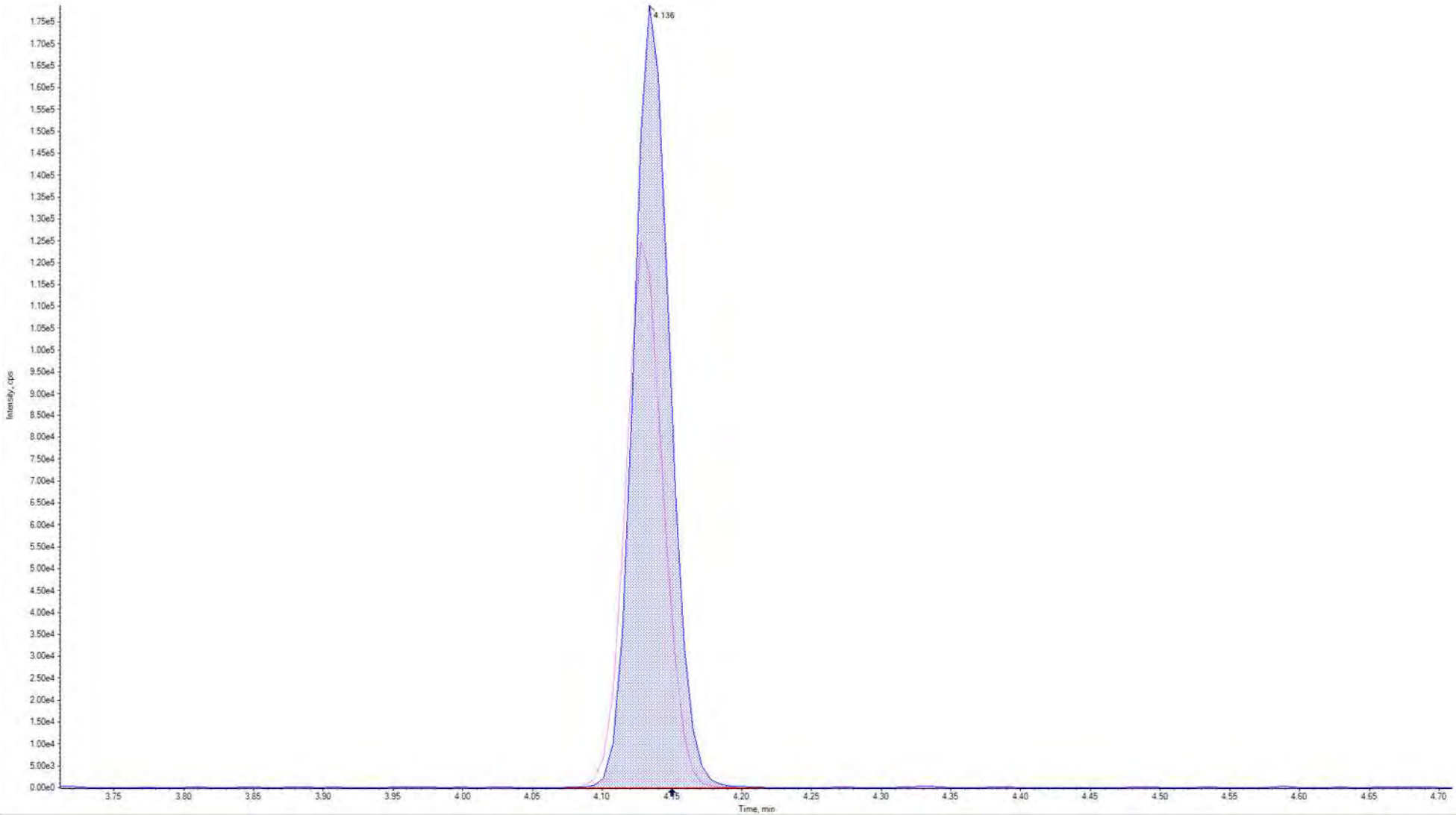
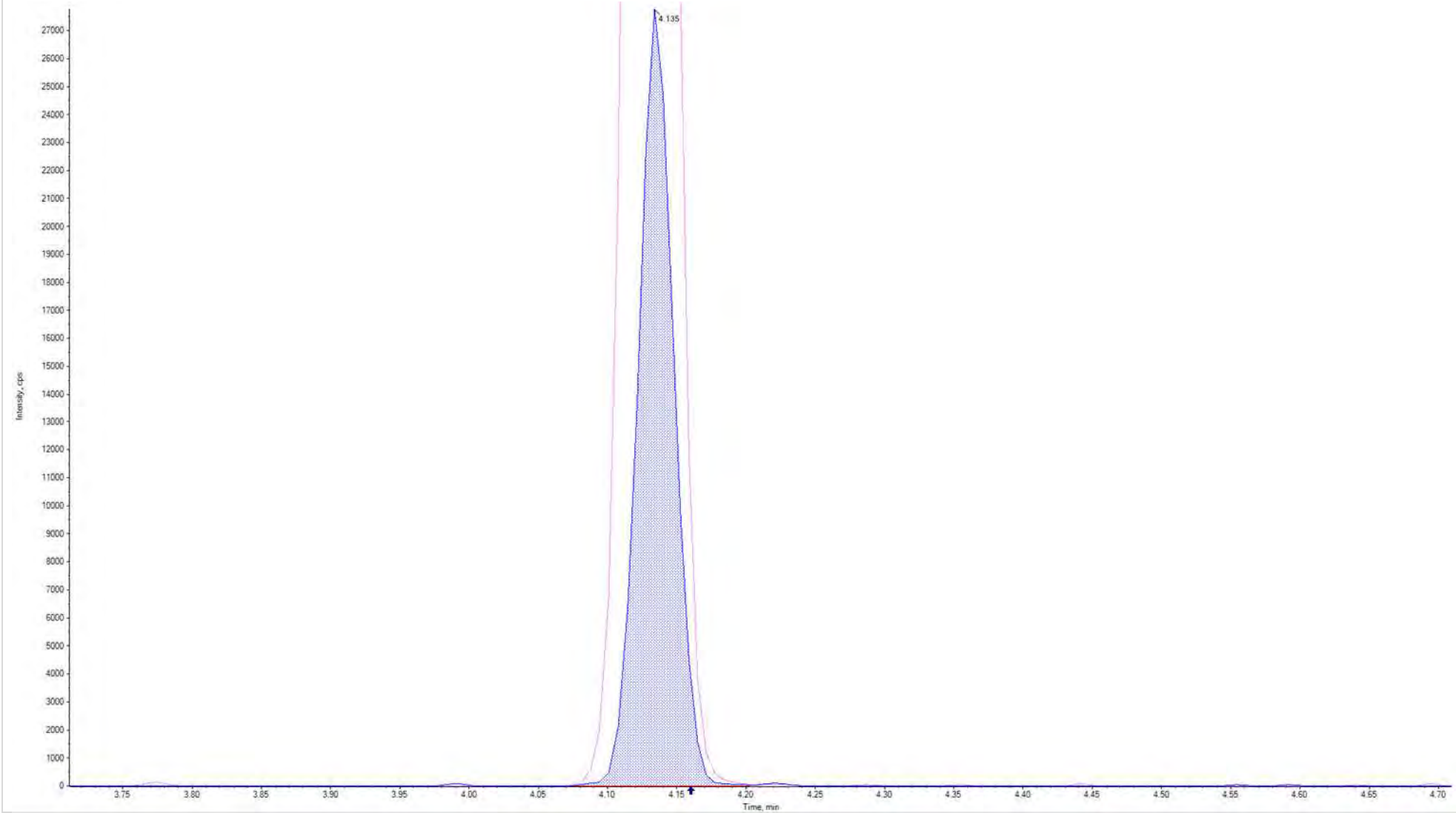
Generated: 12/23/2024 2:36:12 PM

PFUnA
Sample: WG2012727-5 S/N:4032.4 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_25.wiff2_10
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFUnA_2
Sample: WG2012727-5 S/N:626.5 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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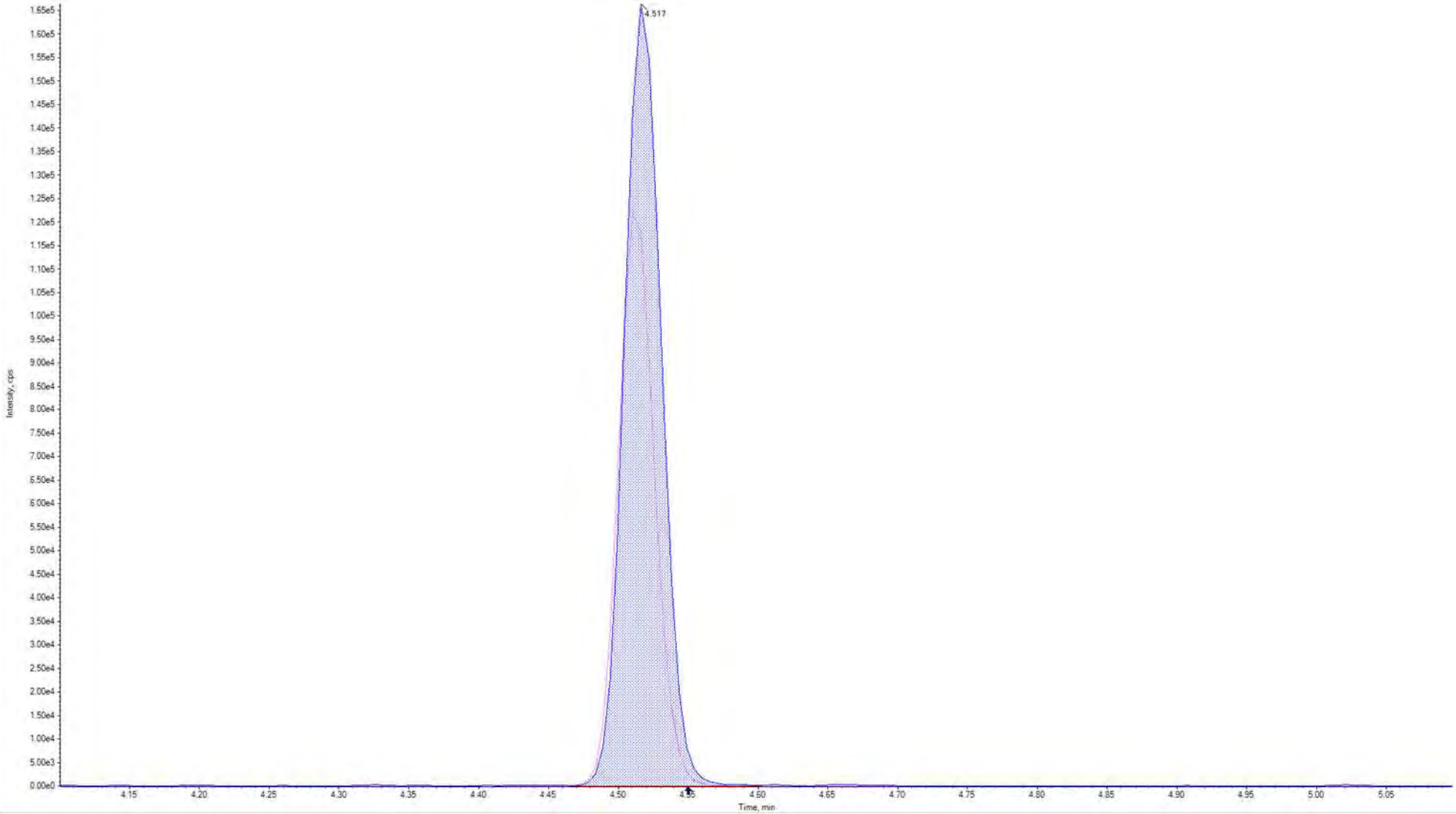
PFDoA
Sample: WG2012727-5 S/N:4586.7 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/24/2024 7:52:08 AM
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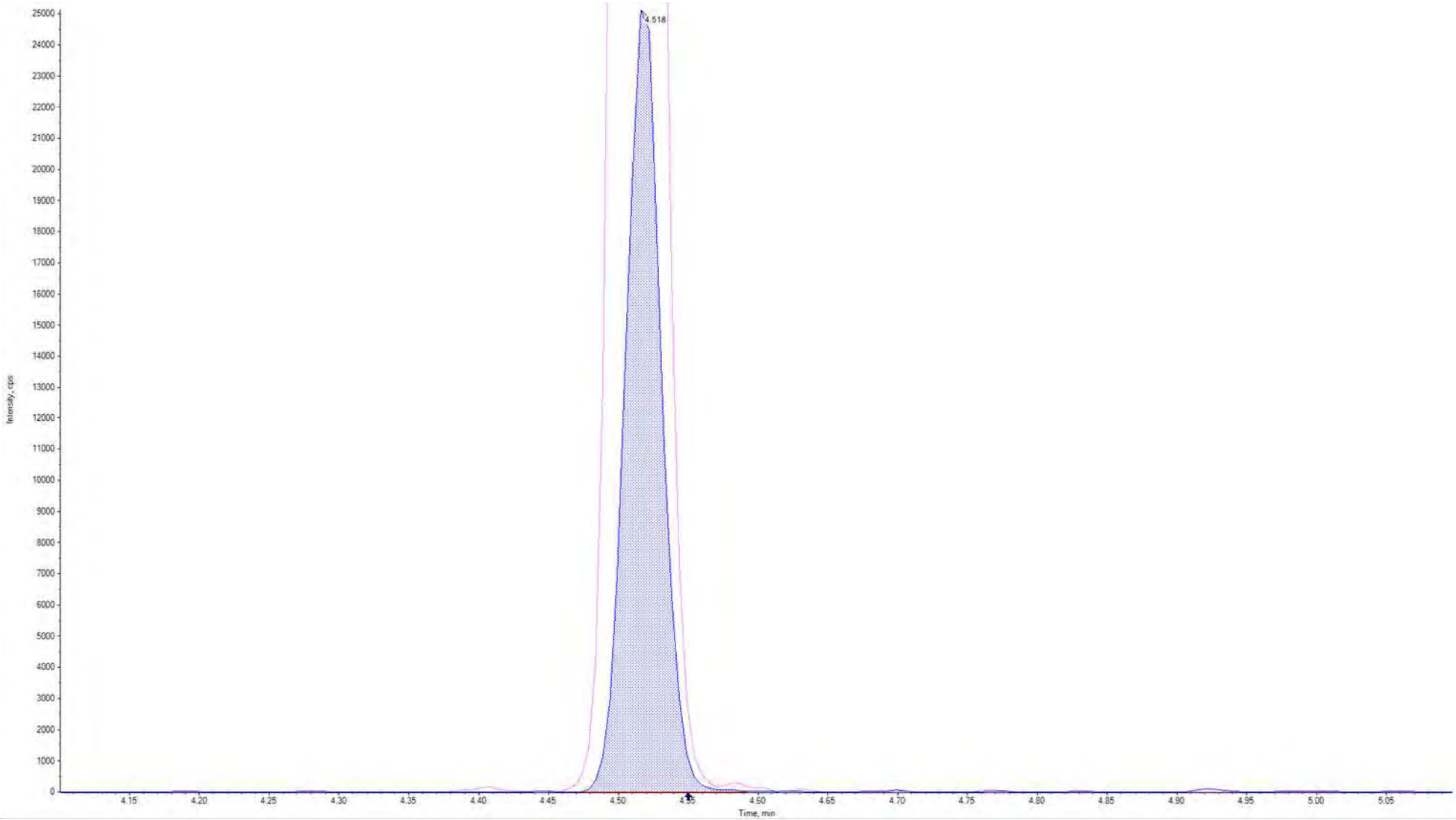
PFDoA_2
Sample: WG2012727-5 S/N:692.7 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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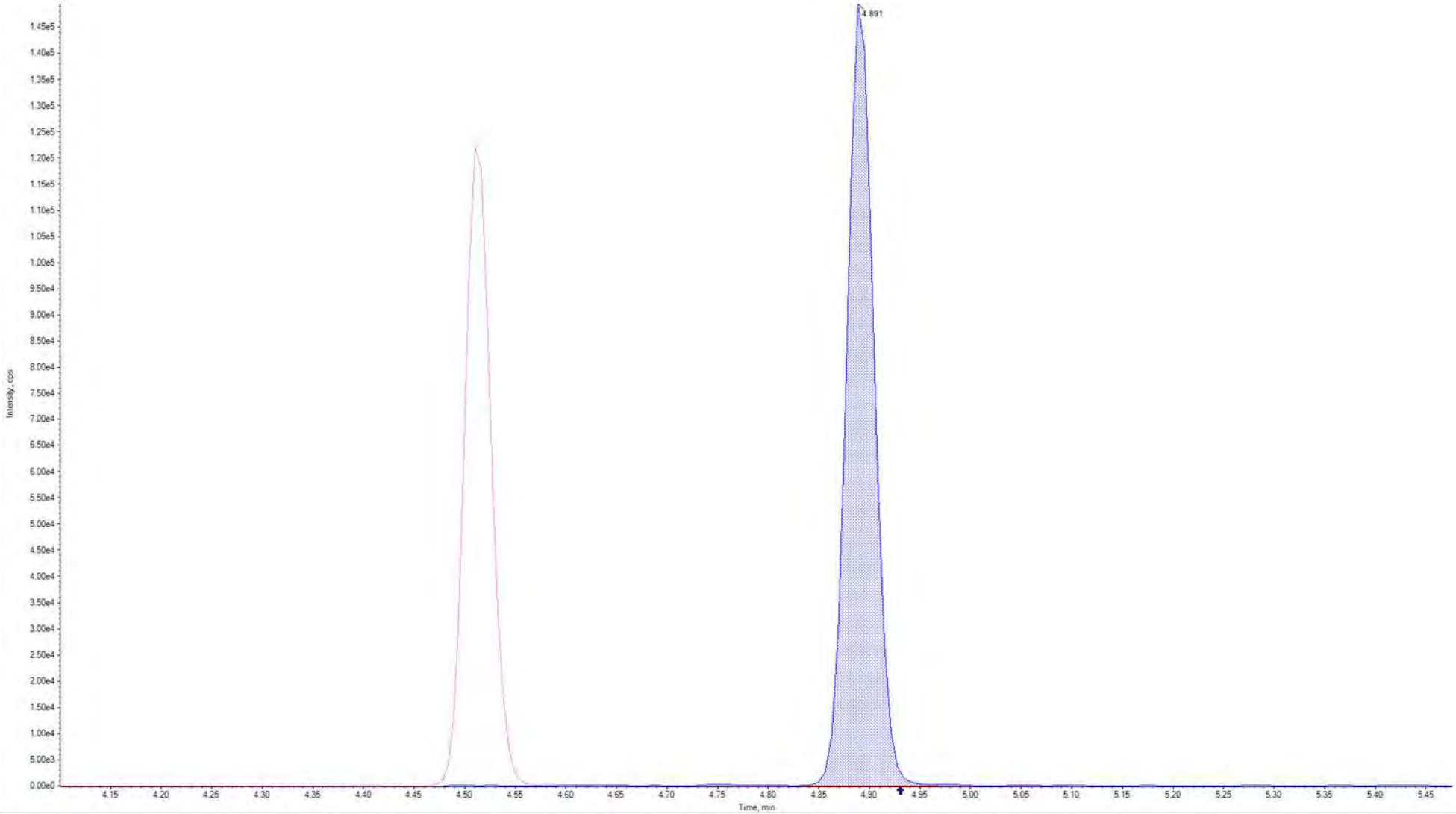
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFTrDA
Sample: WG2012727-5 S/N:5990.7 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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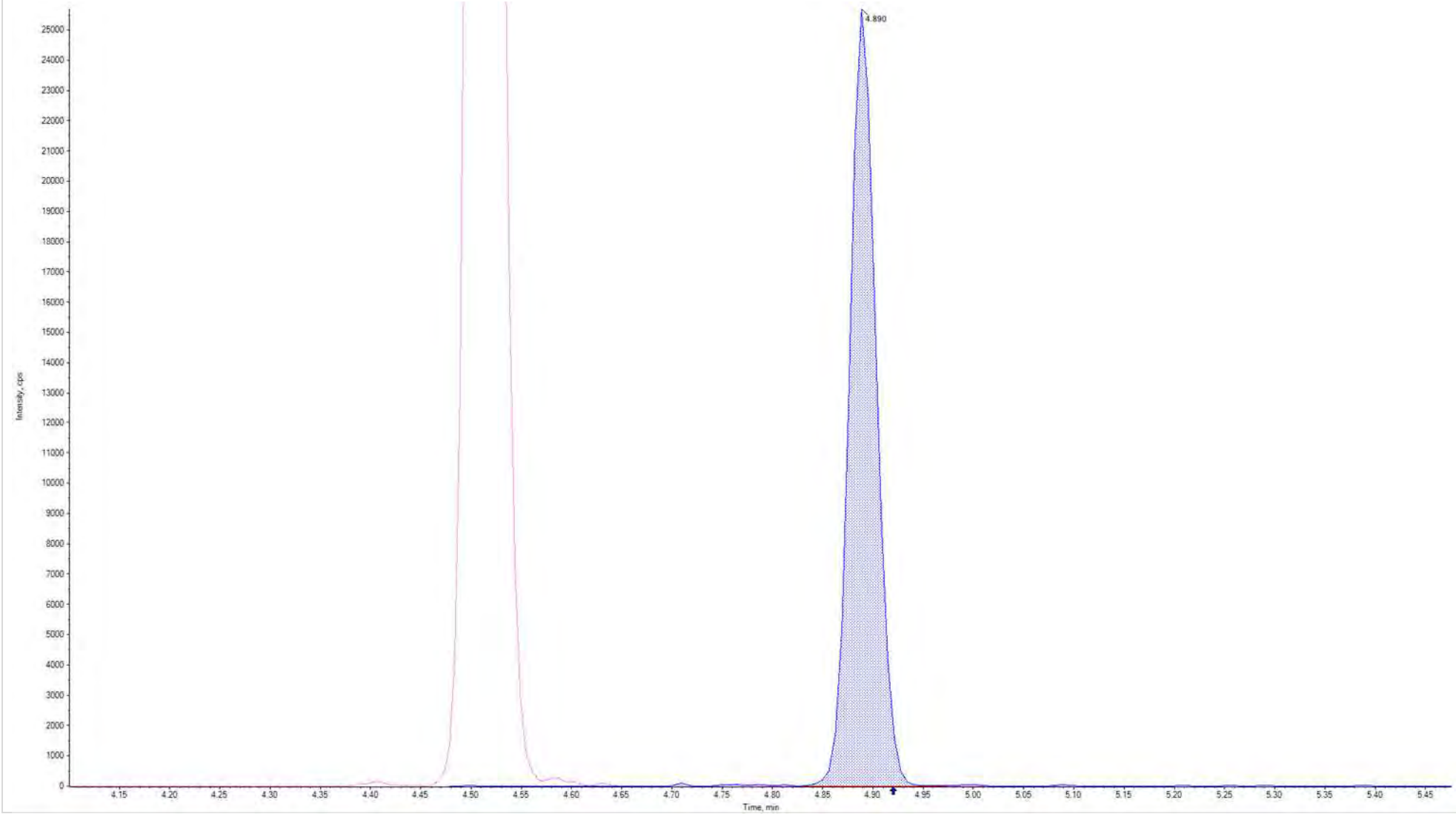
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFTrDA_2
Sample: WG2012727-5 S/N:1030.2 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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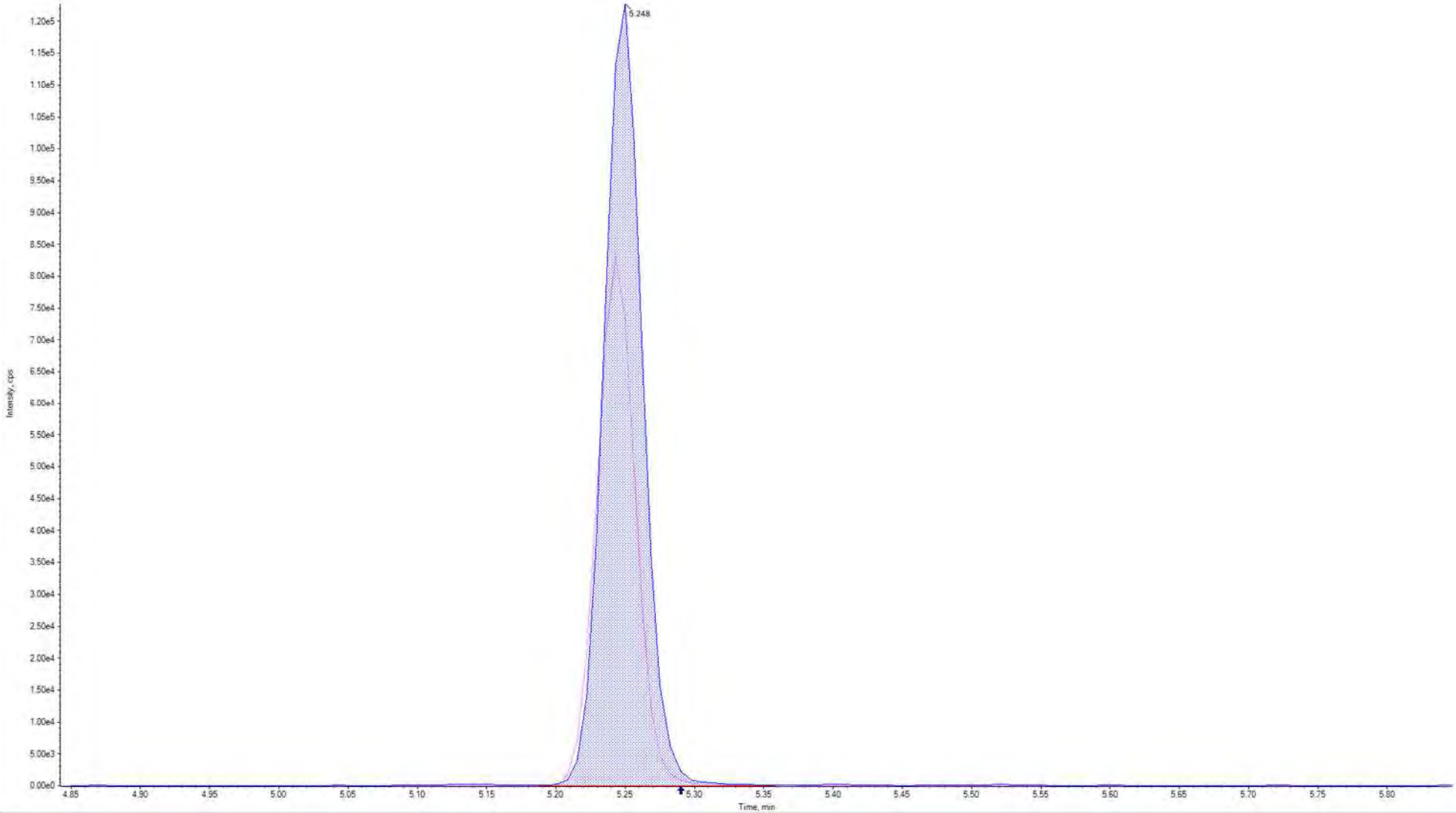
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFTeDA
Sample: WG2012727-5 S/N:2862.3 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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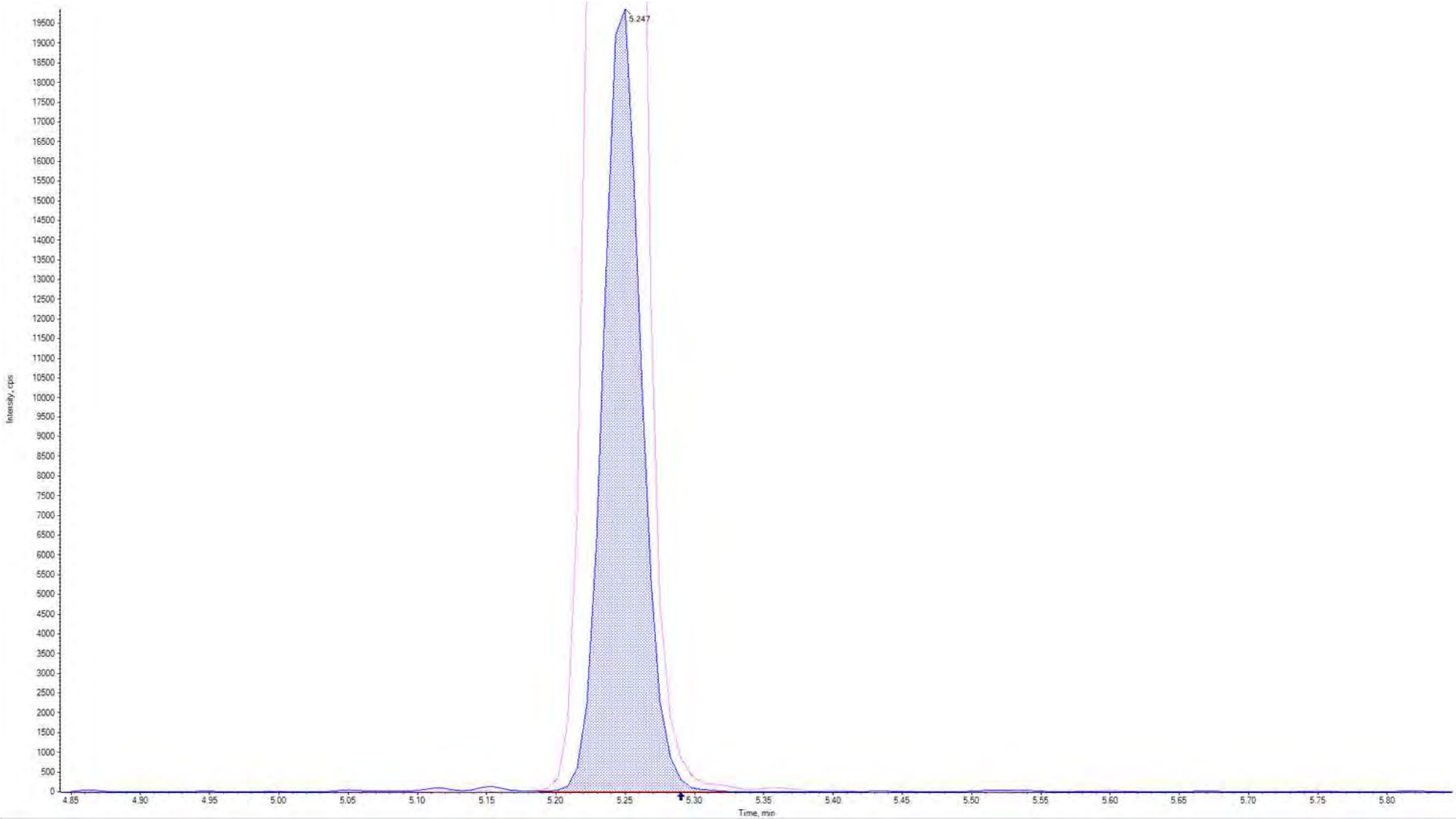
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFTeDA_2
Sample: WG2012727-5 S/N:1244.6 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/24/2024 7:52:08 AM
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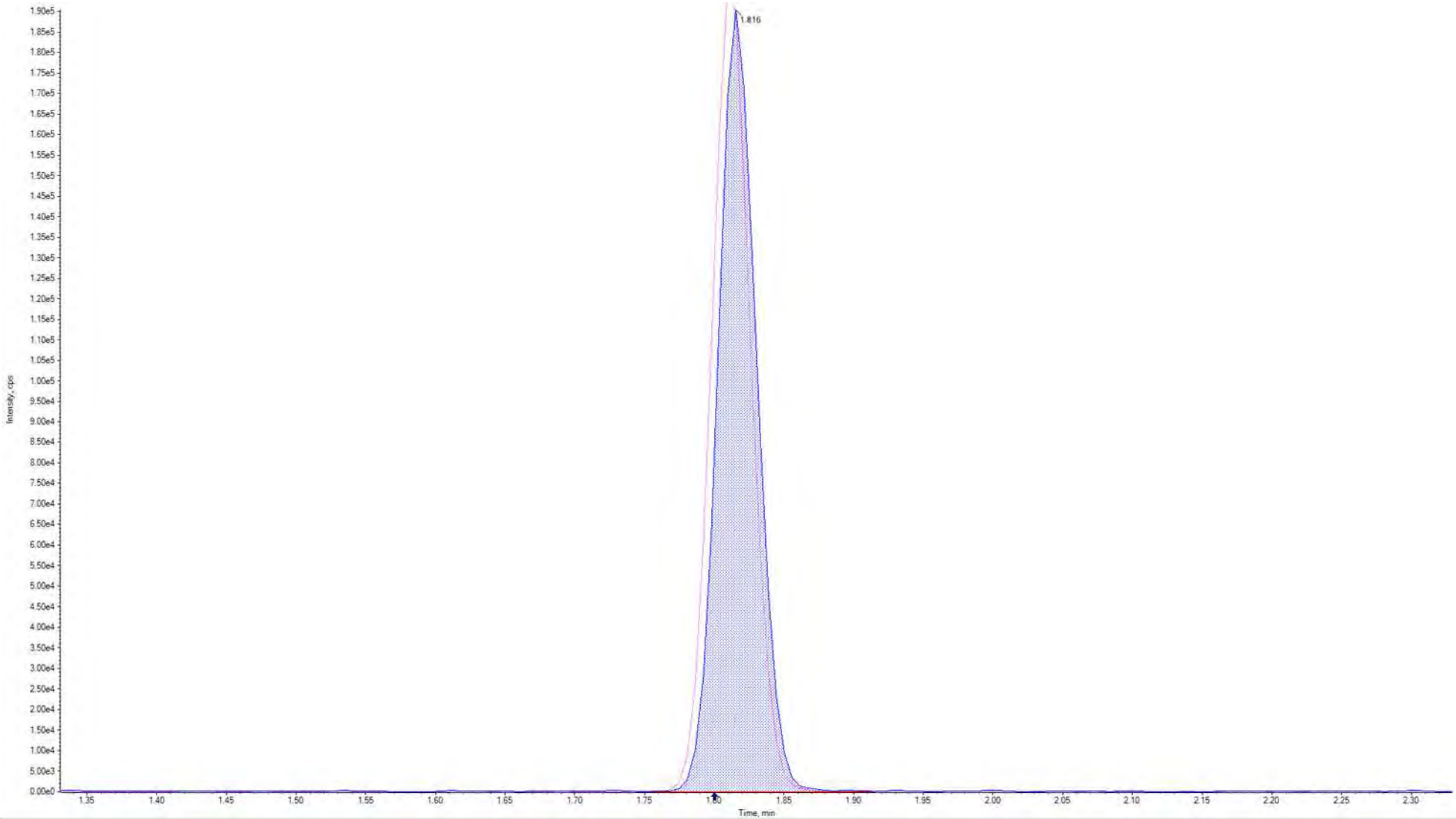
PFBS
Sample: WG2012727-5 S/N:4770.0 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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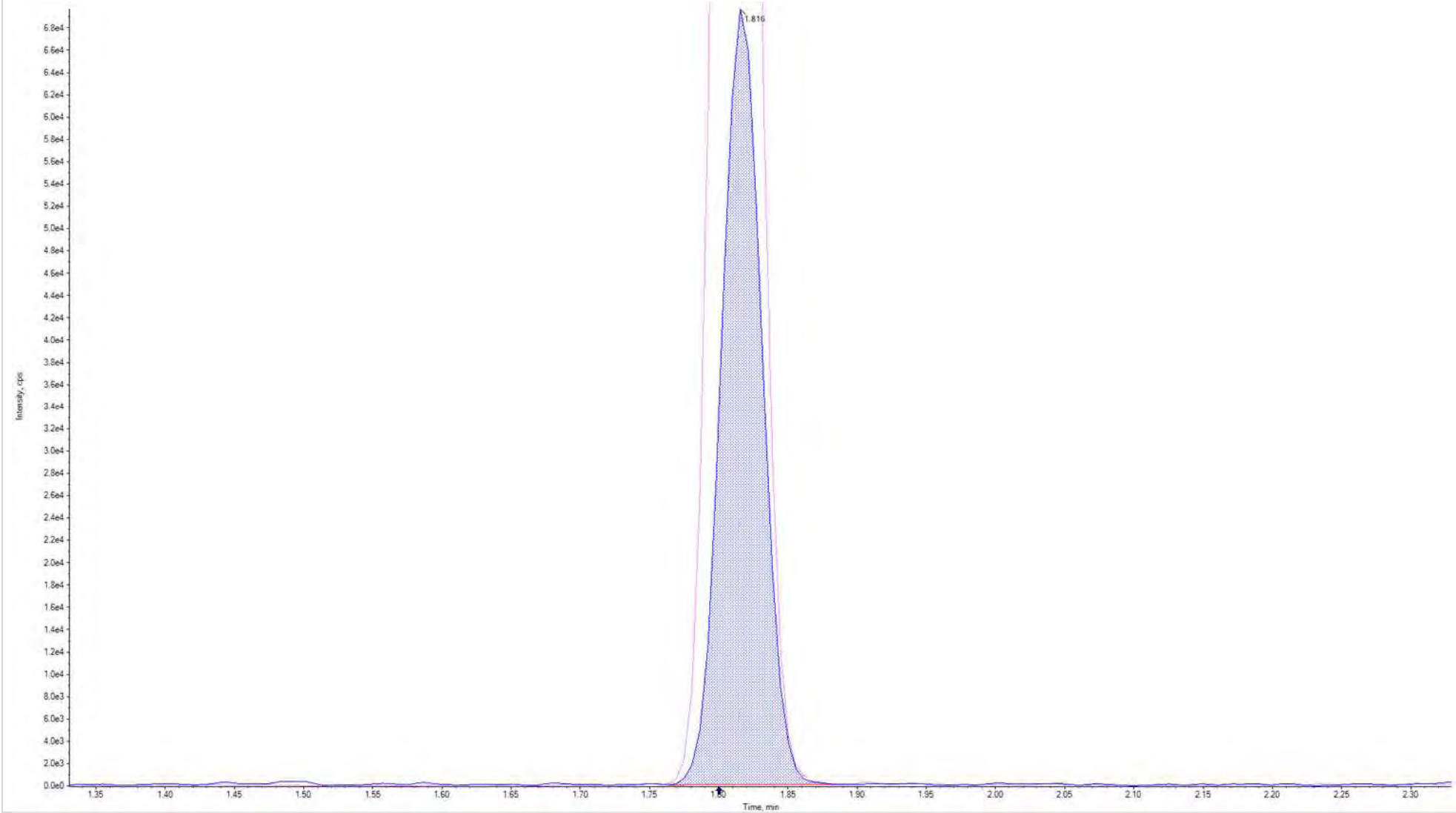
PFBS_2
Sample: WG2012727-5 S/N:1744.0 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/24/2024 7:52:08 AM
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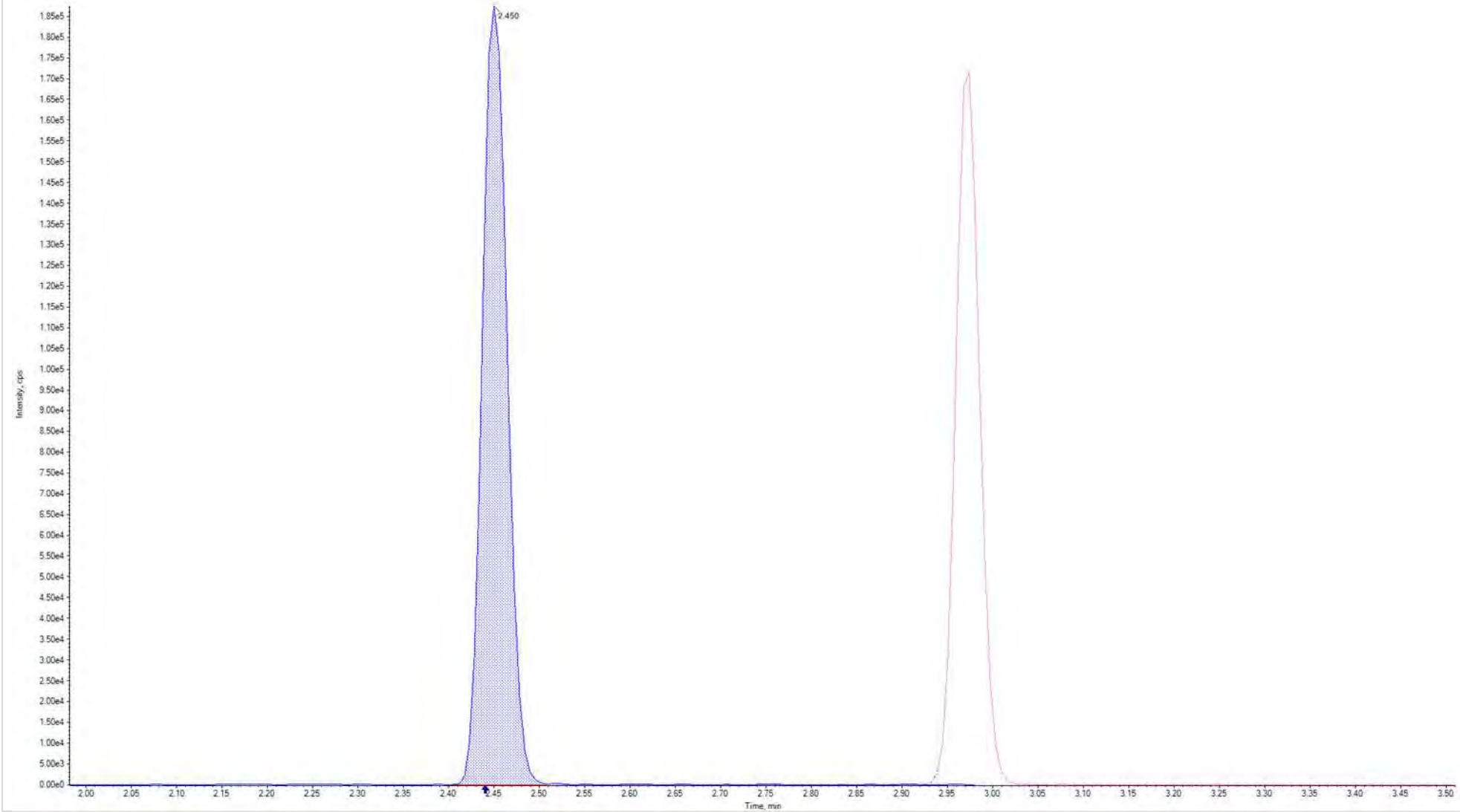
PFPeS
Sample: WG2012727-5 S/N:3757.6 Points Across peak:21



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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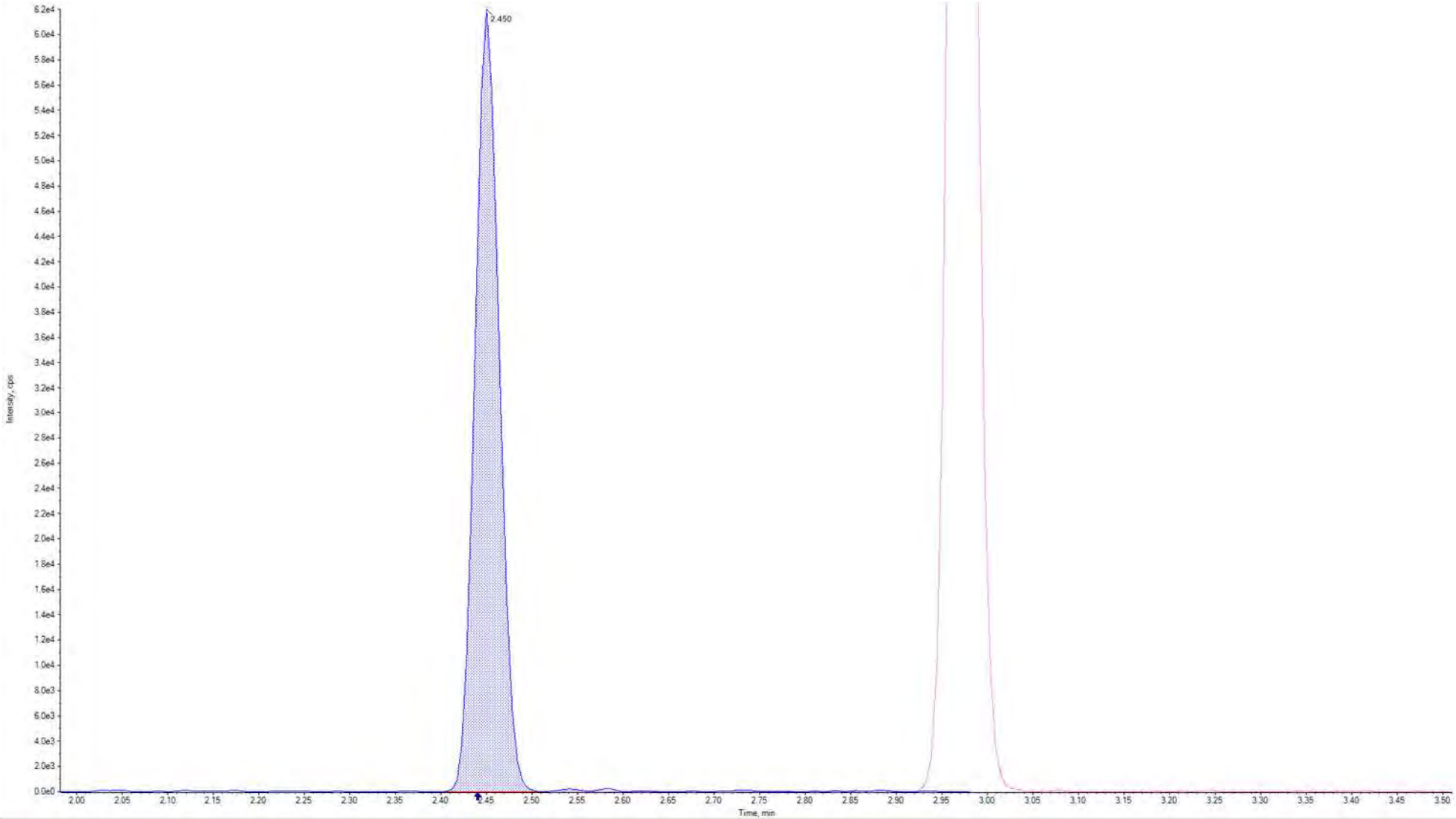
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFPeS_2
Sample: WG2012727-5 S/N:1243.5 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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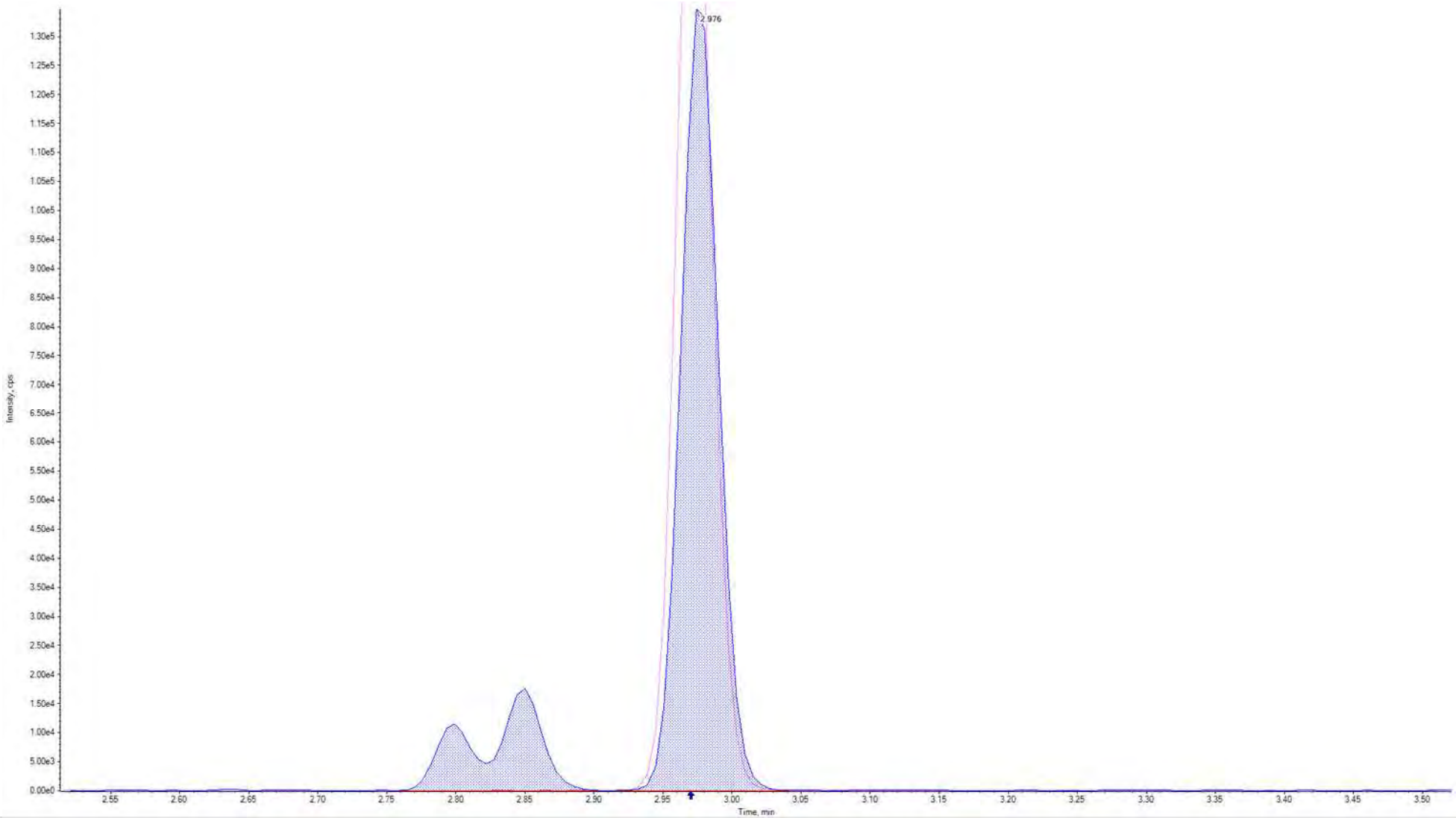
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFHxS
Sample: WG2012727-5 S/N:909.9 Points Across peak:50



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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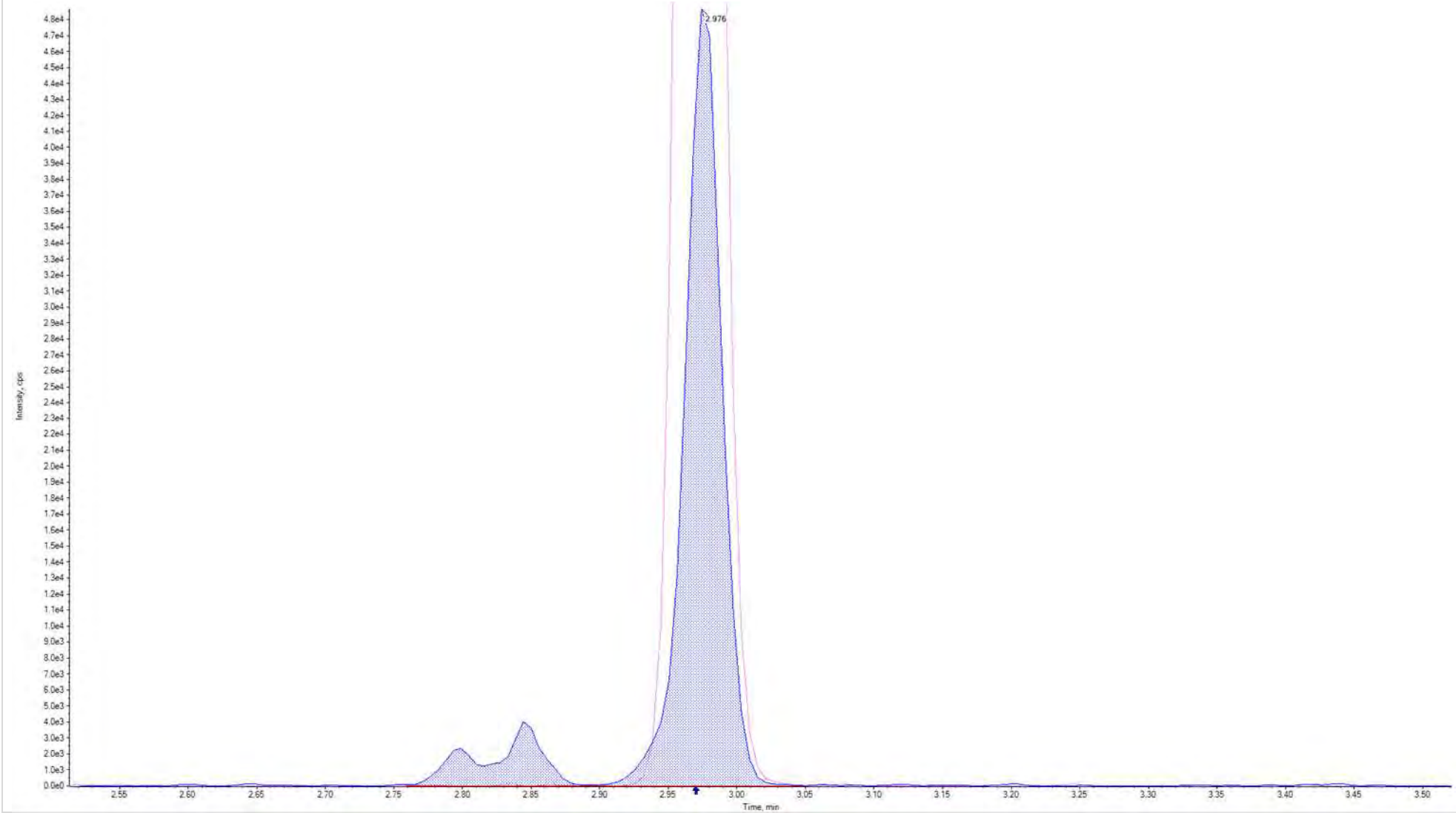
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFHxS_2
Sample: WG2012727-5 S/N:763.0 Points Across peak:52



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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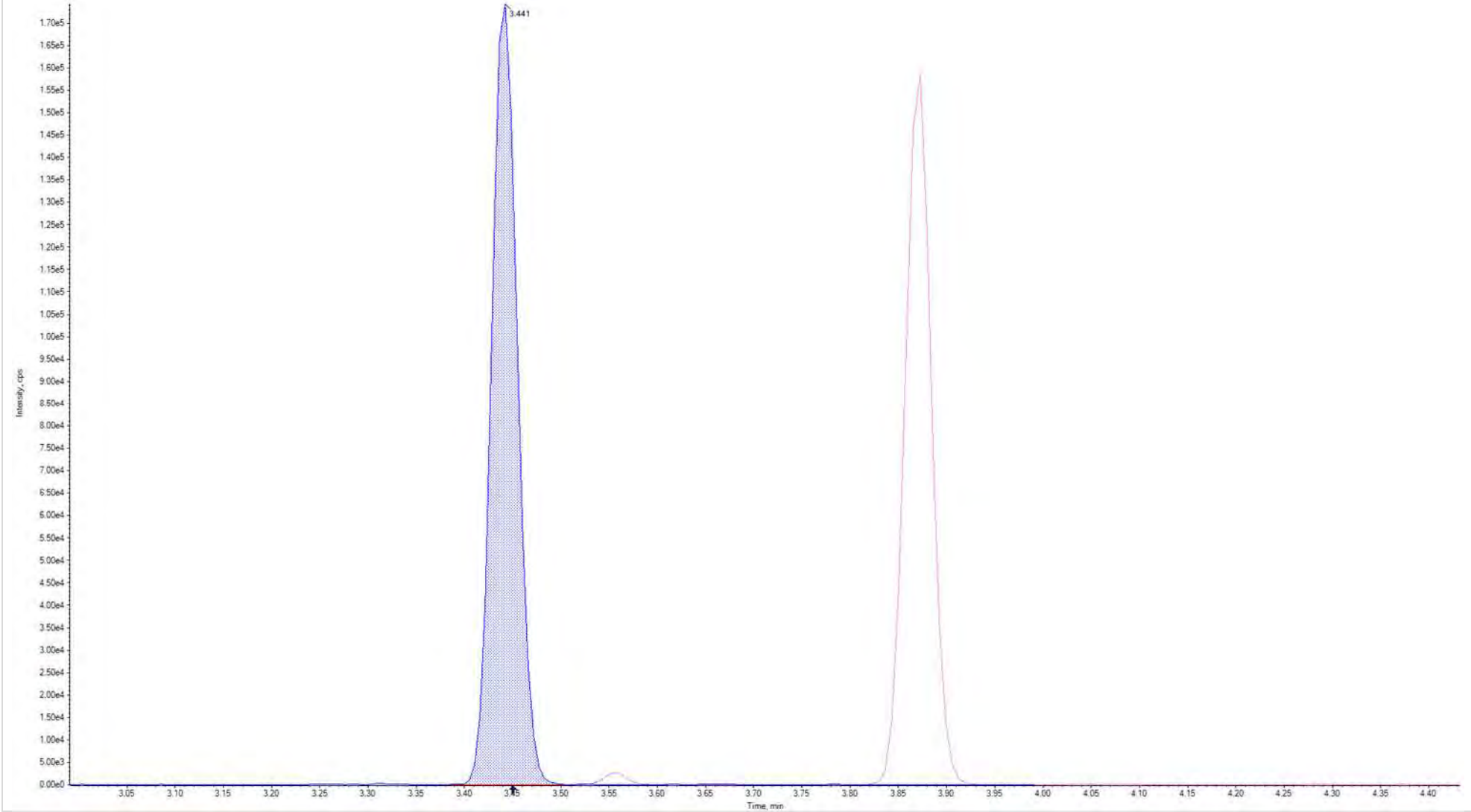
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFHpS
Sample: WG2012727-5 S/N:3494.0 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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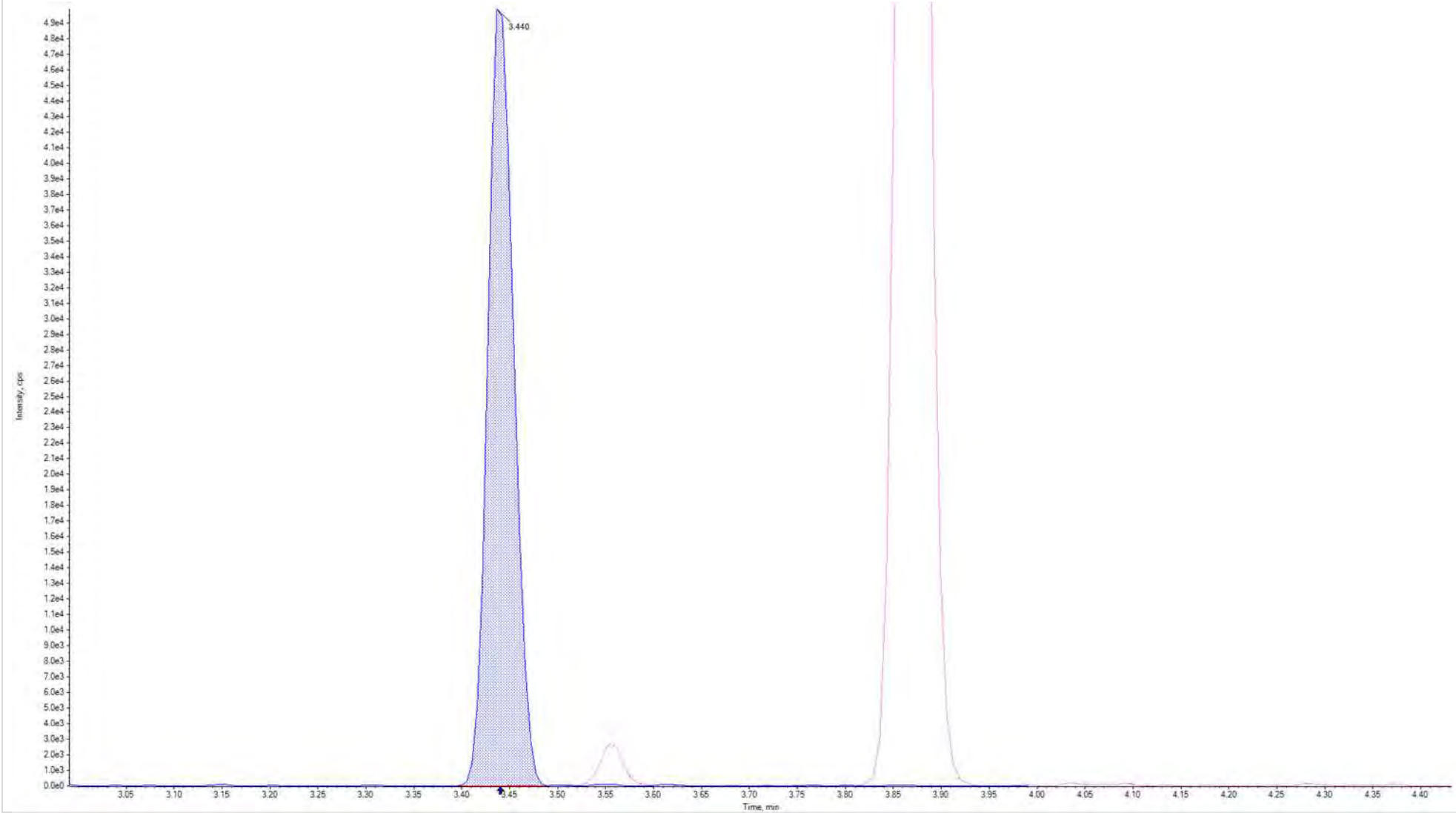
PFHpS_2
Sample: WG2012727-5 S/N:1000.5 Points Across peak:20



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/24/2024 7:52:08 AM
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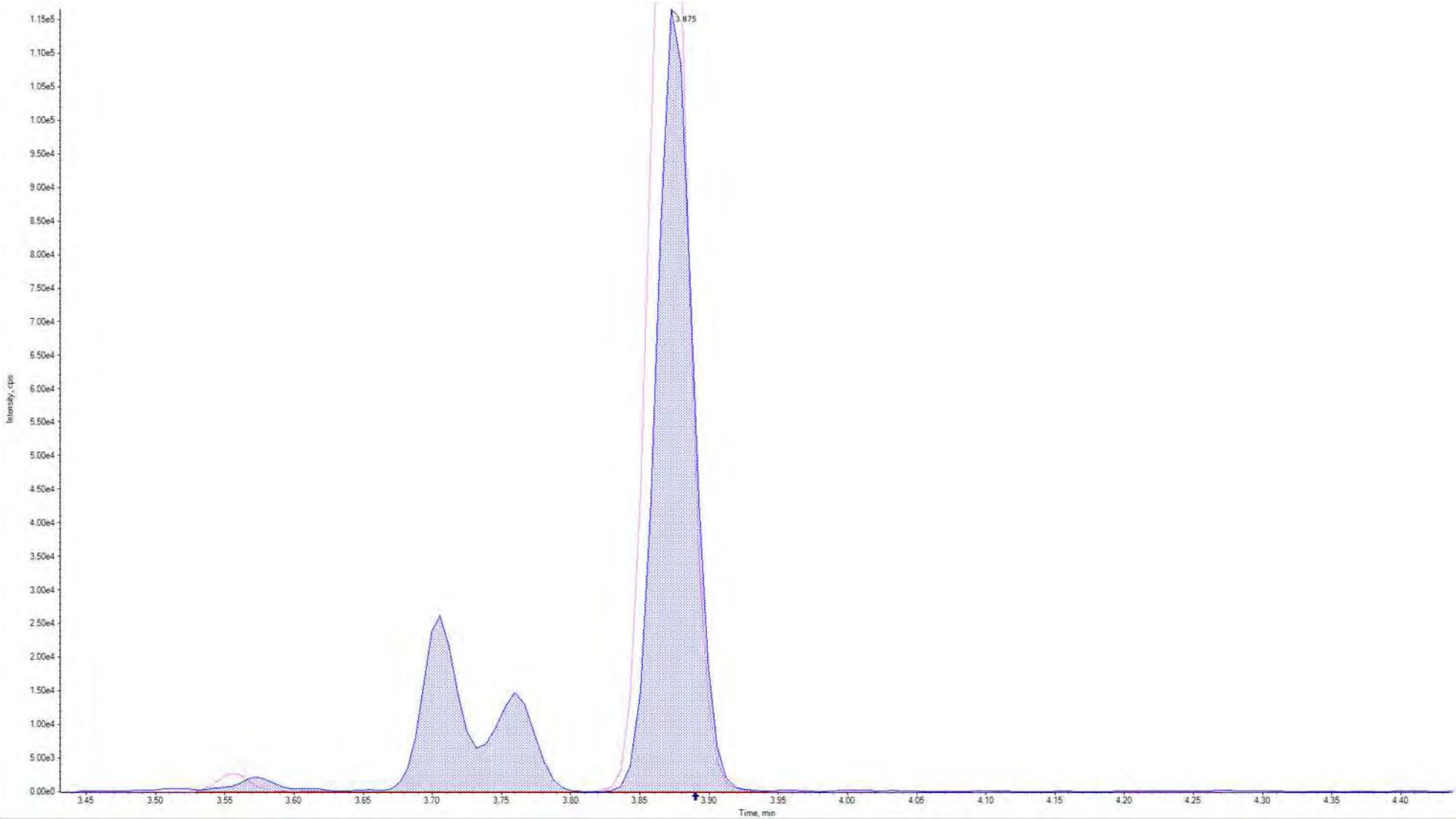
PFOS
Sample: WG2012727-5 S/N:370.1 Points Across peak:70



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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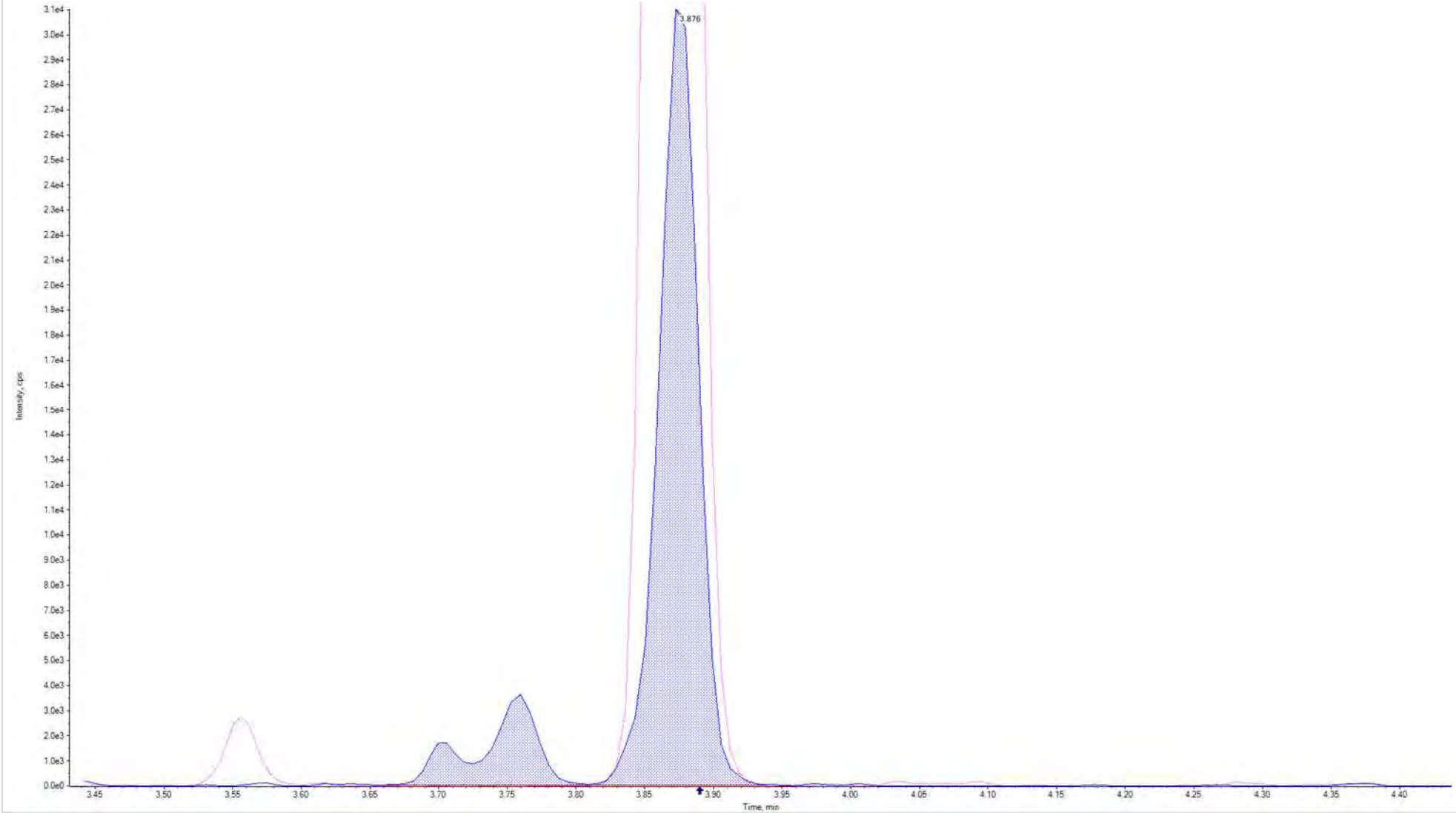
PFOS_2
Sample: WG2012727-5 S/N:533.8 Points Across peak:47



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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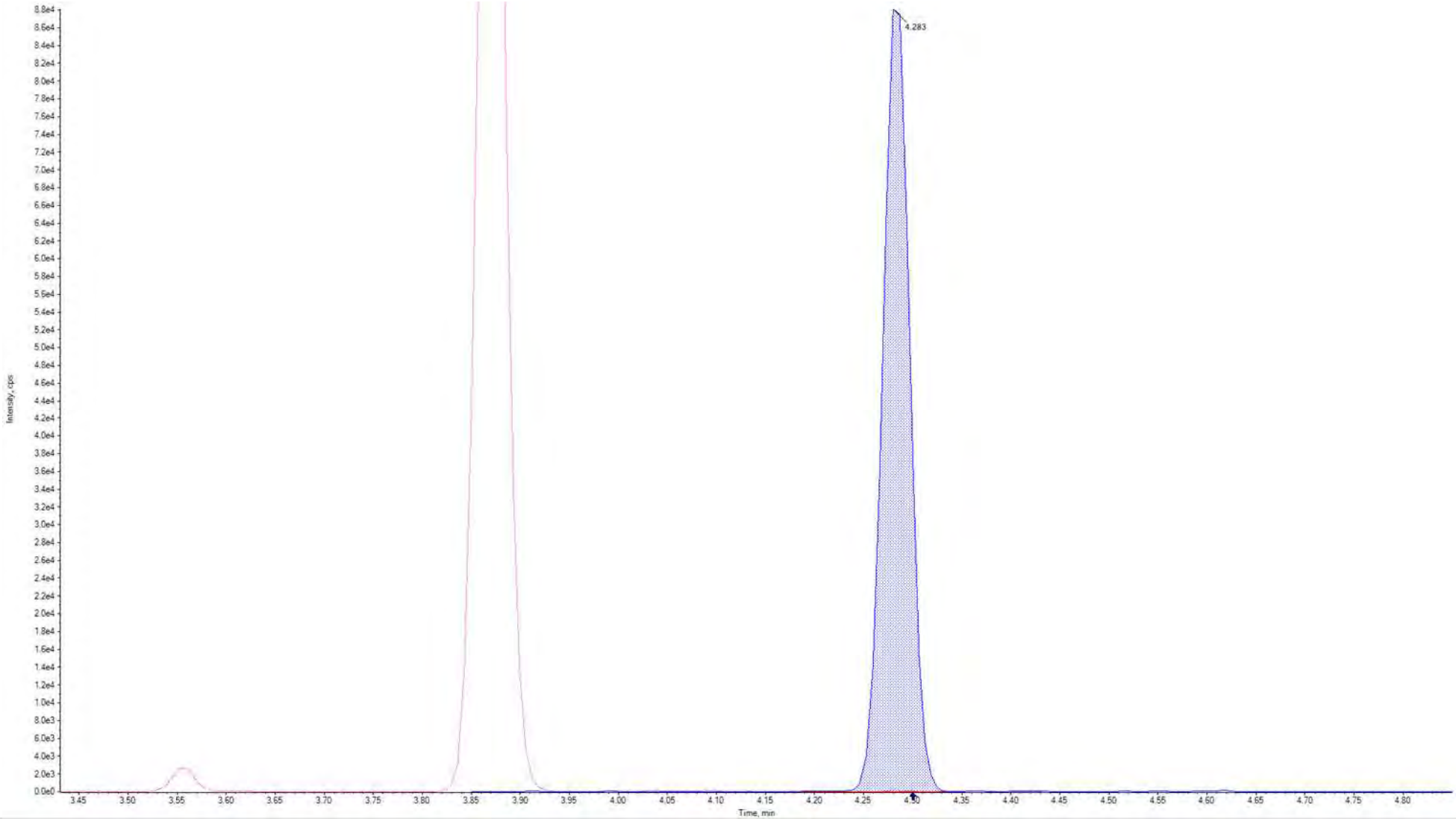
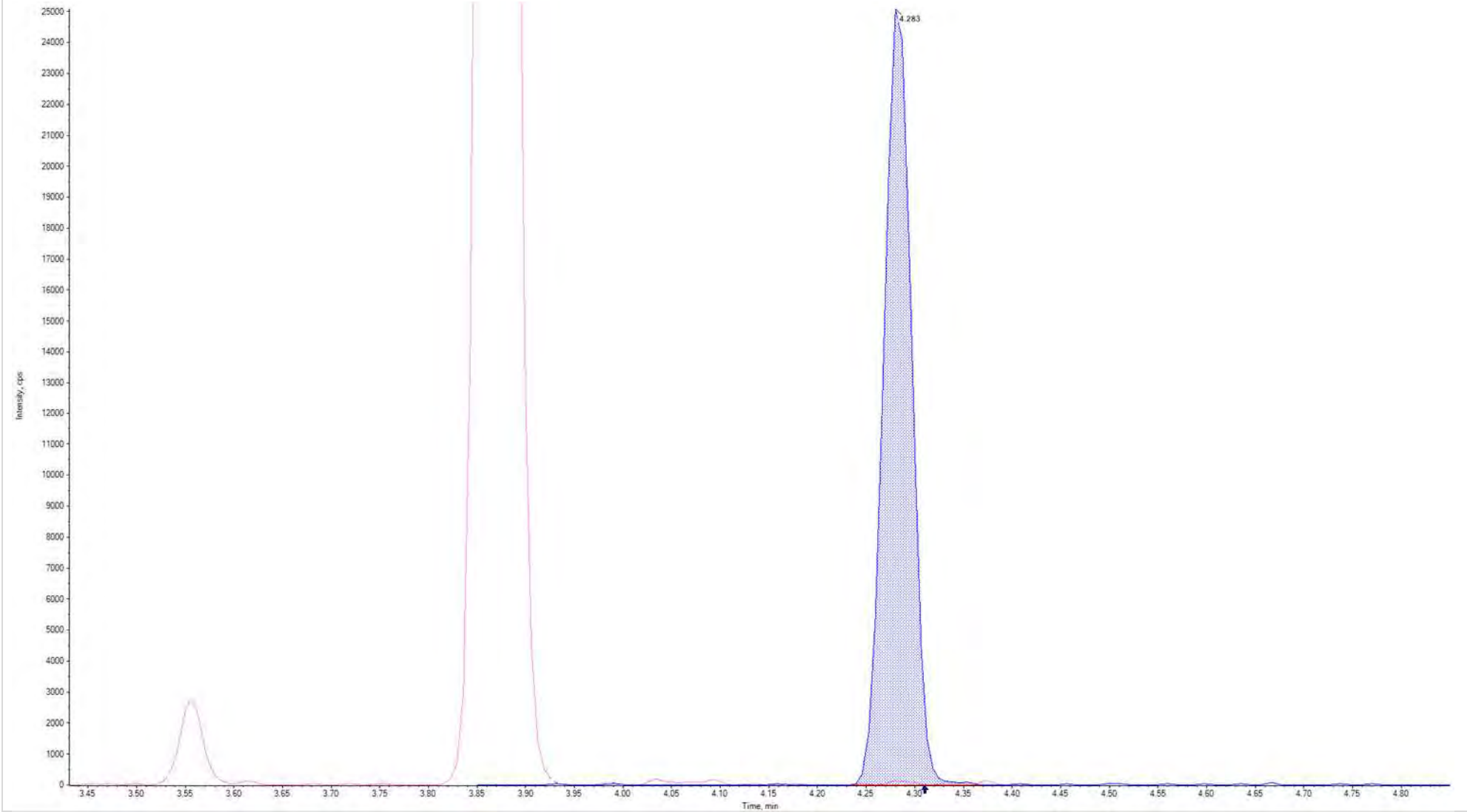
PFNS
Sample: WG2012727-5 S/N:2208.1 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_25.wiff2_10
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFNS_2
Sample: WG2012727-5 S/N:628.7 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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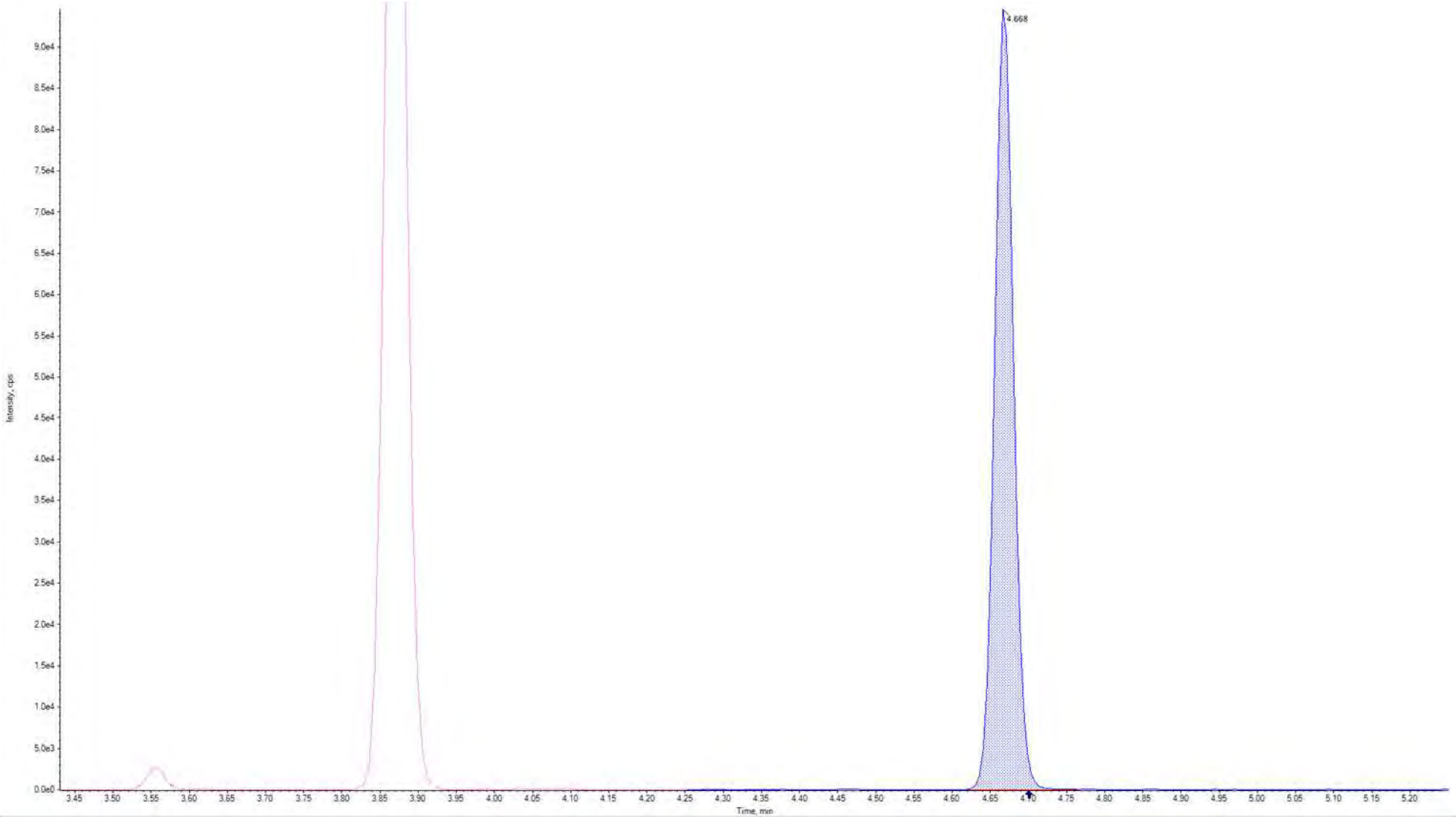
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFDS
Sample: WG2012727-5 S/N:3318.7 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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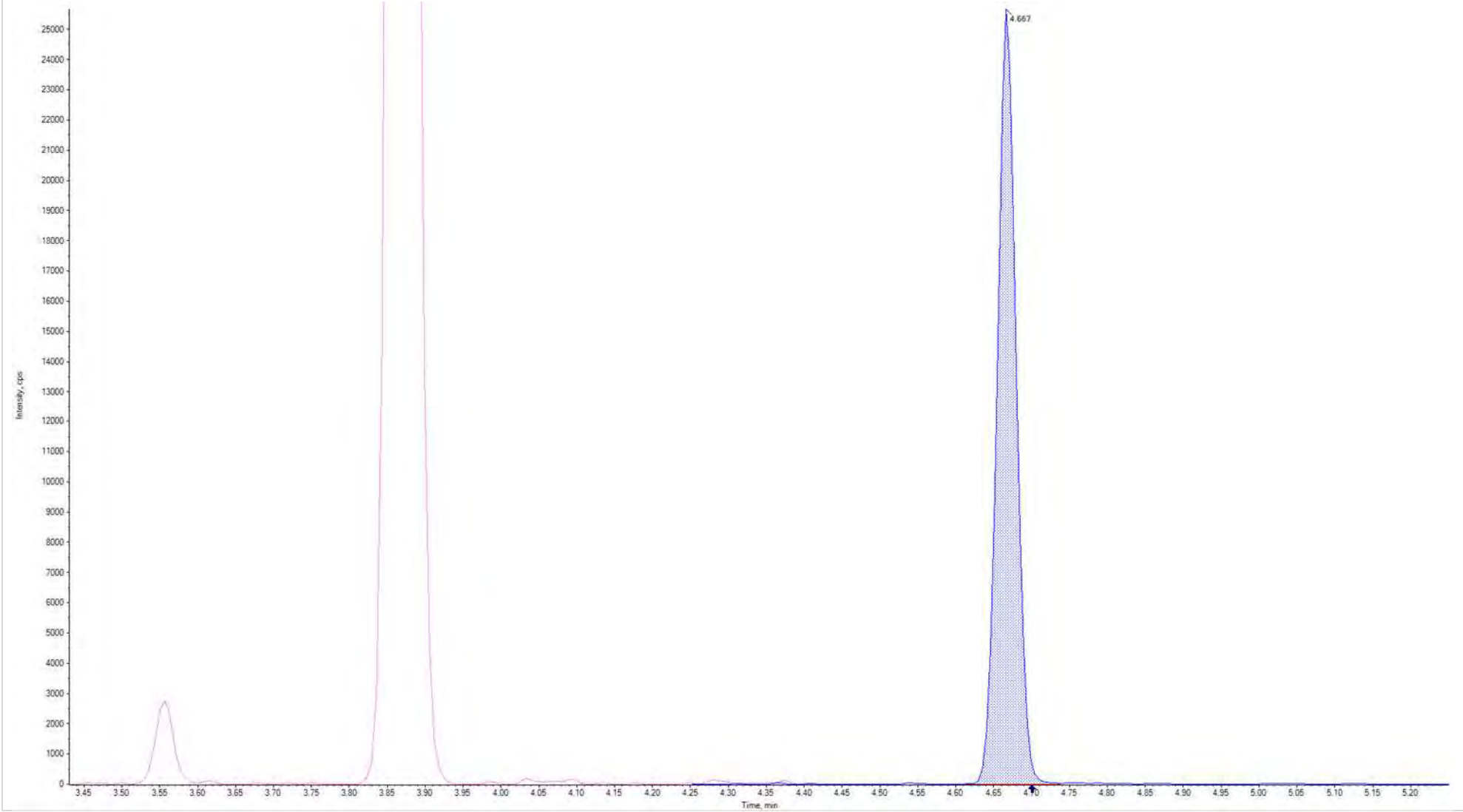
PFDS_2
Sample: WG2012727-5 S/N:901.0 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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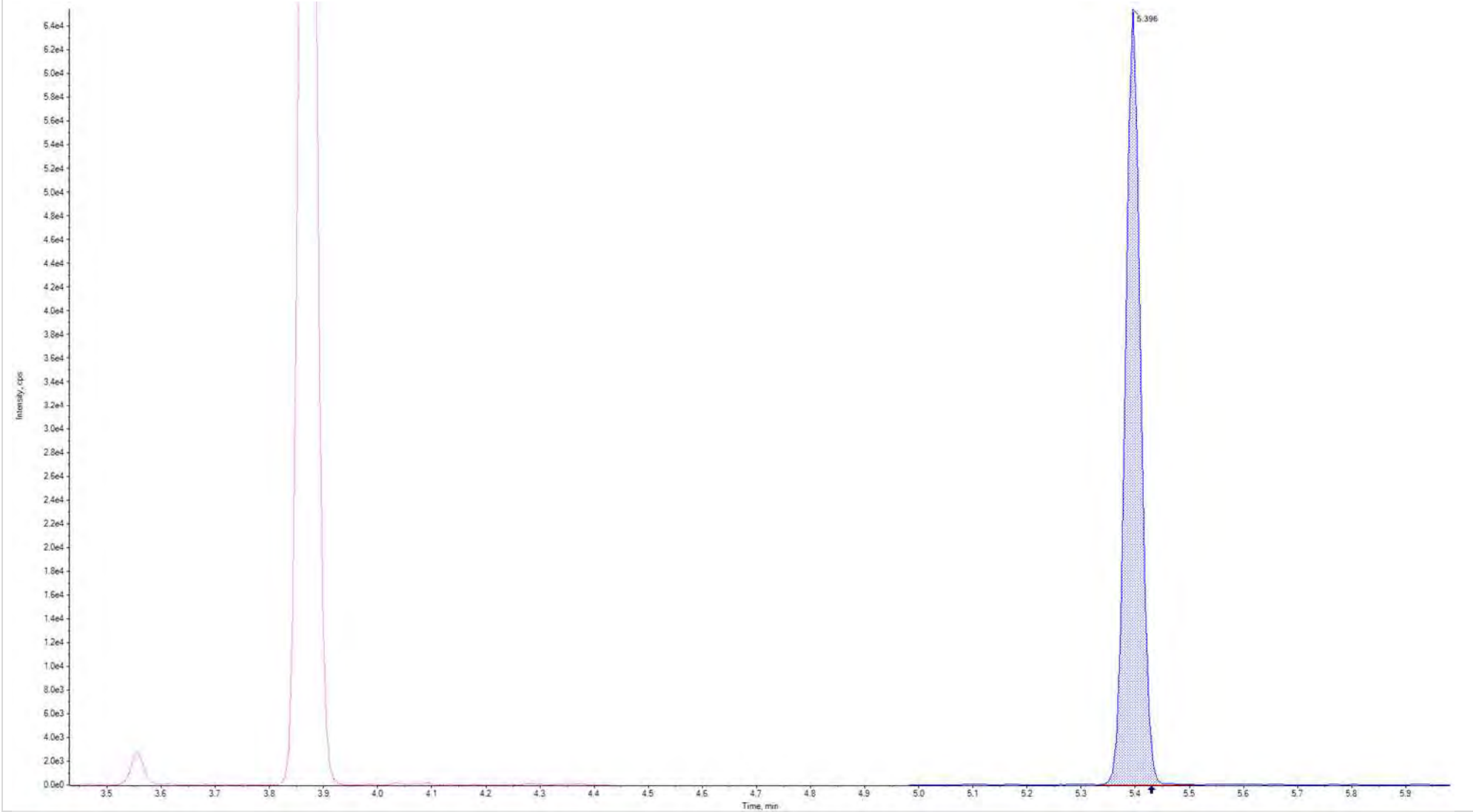
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFDoS
Sample: WG2012727-5 S/N:5083.1 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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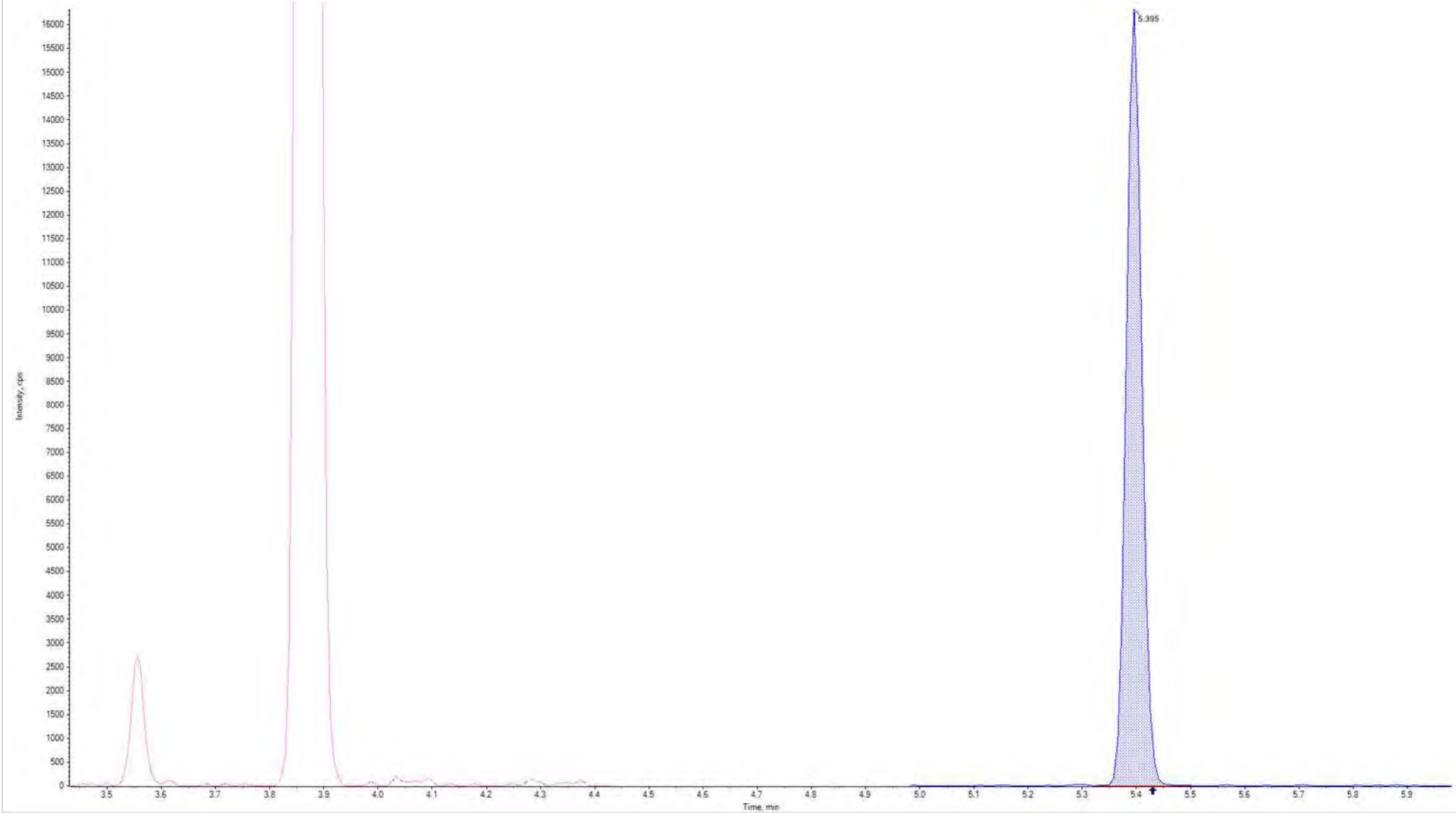
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFDoS_2
Sample: WG2012727-5 S/N:1268.8 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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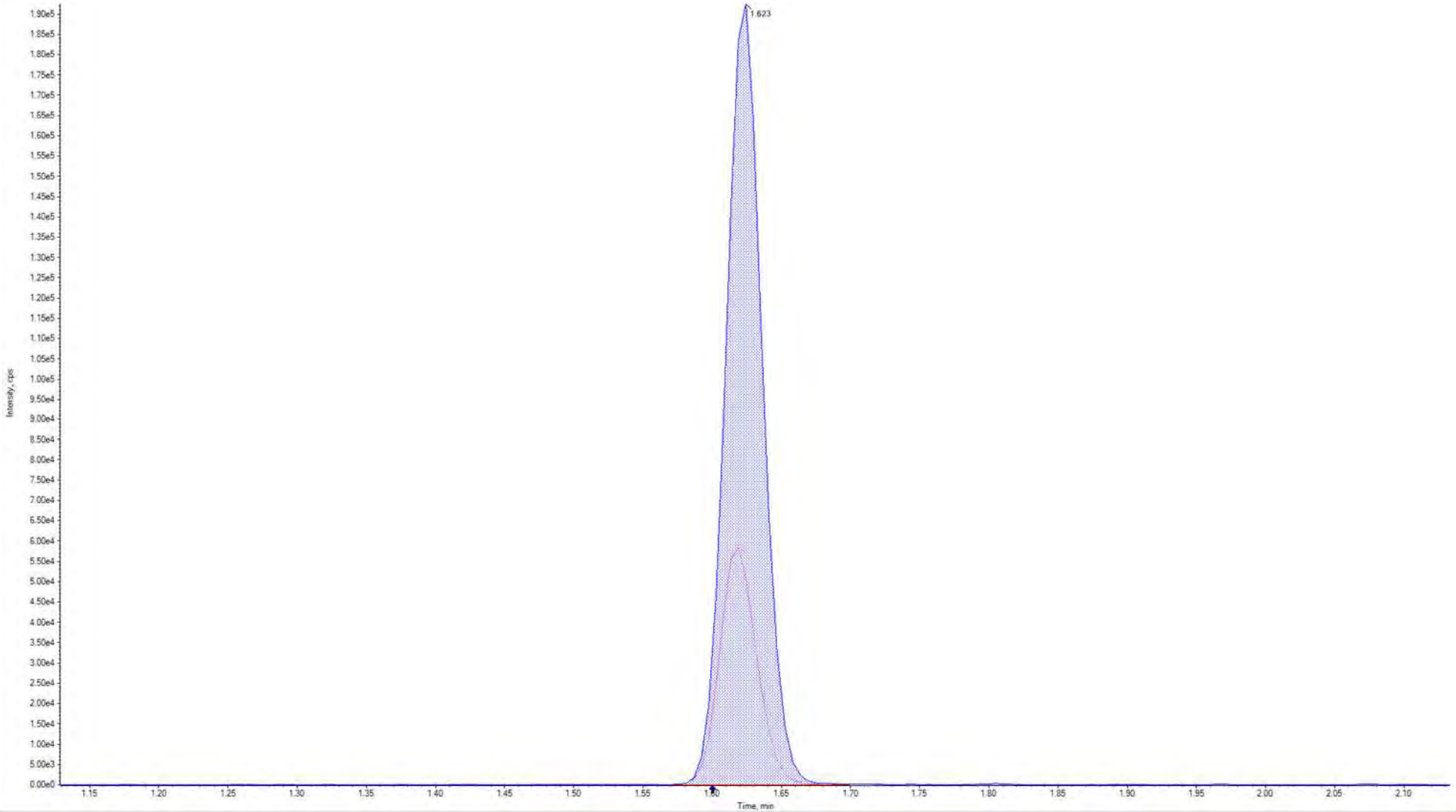
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

4:2FTS
Sample: WG2012727-5 S/N:4141.0 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/24/2024 7:52:08 AM
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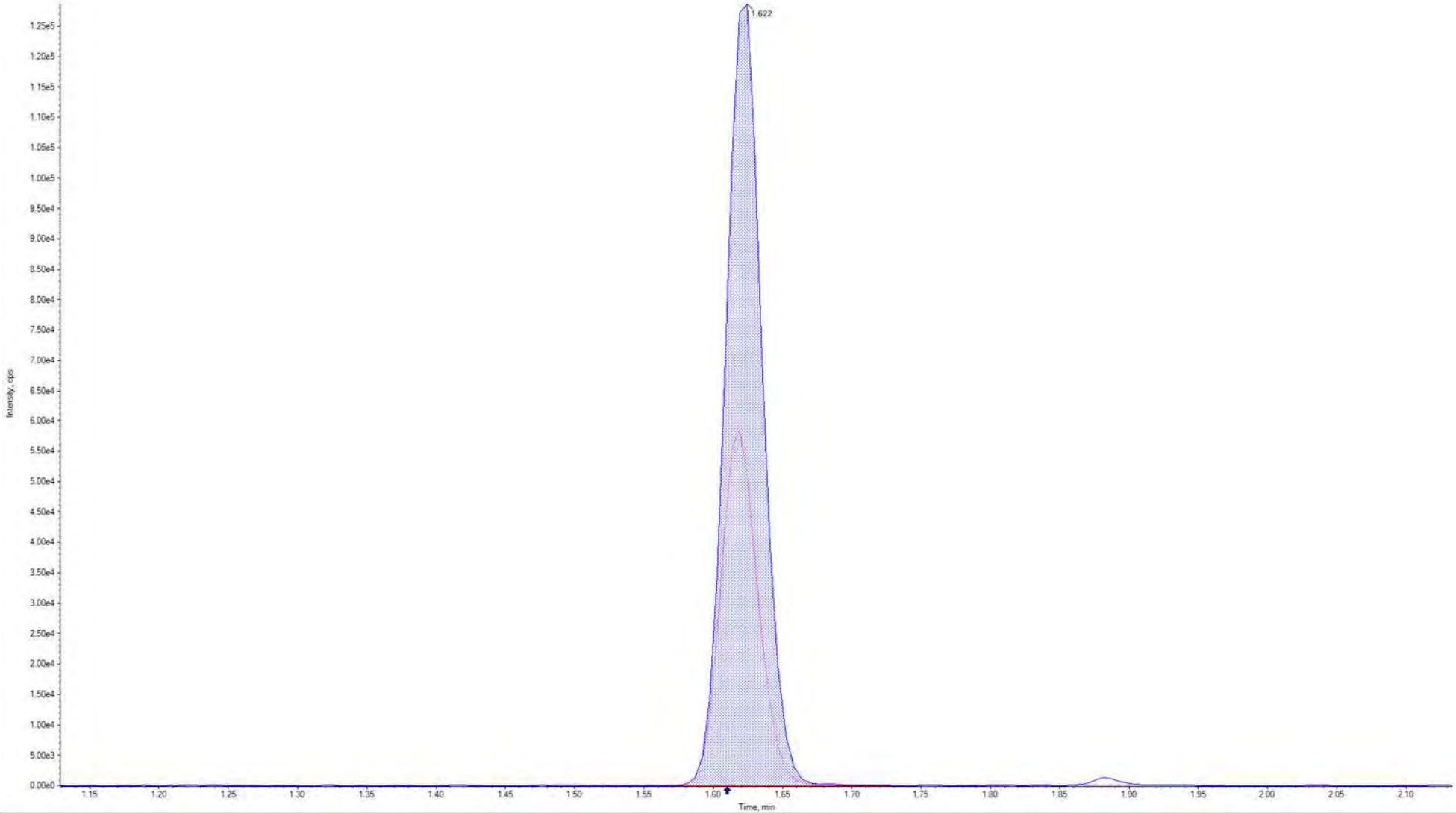
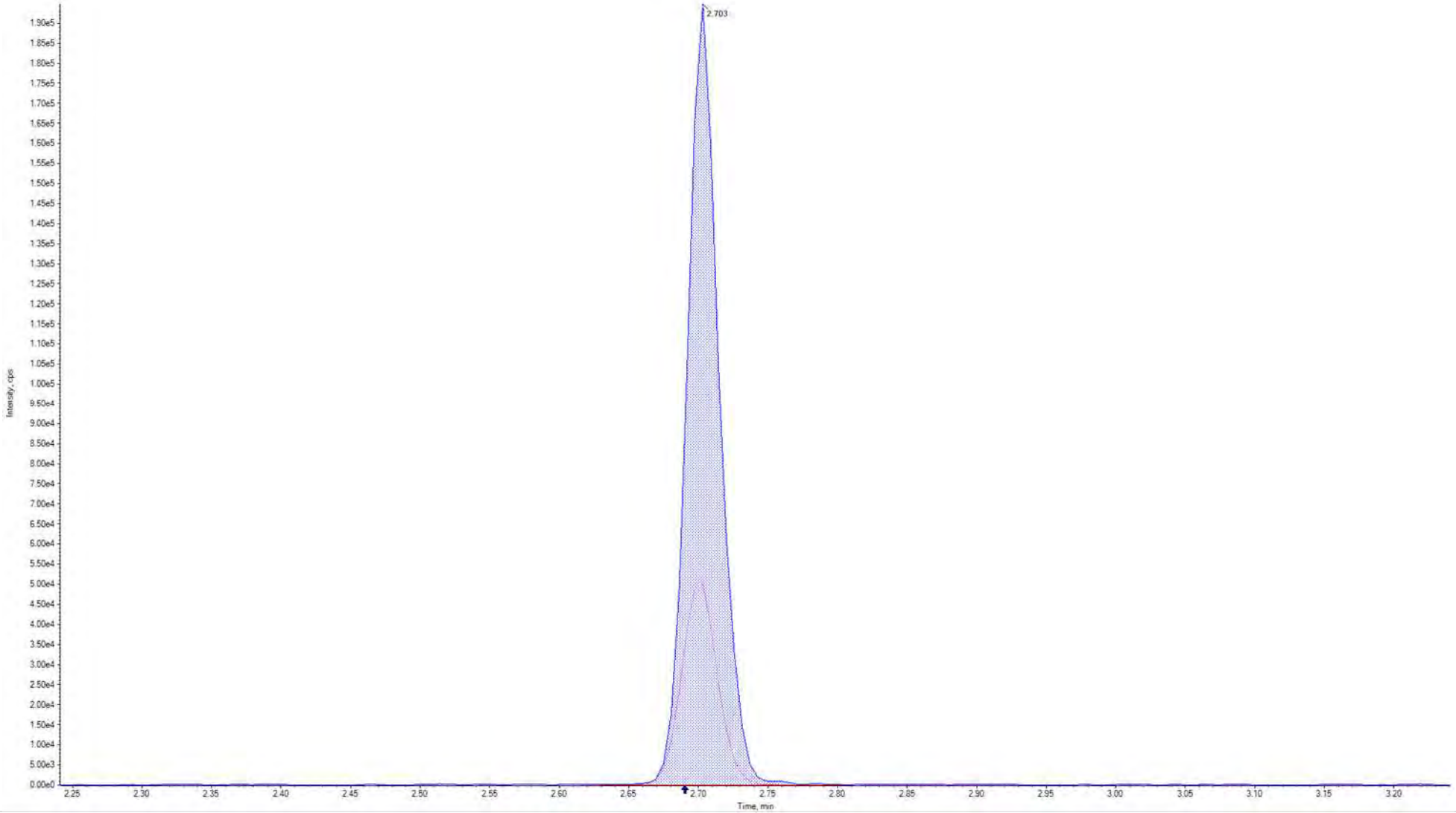
4:2FTS_2
Sample: WG2012727-5 S/N:4837.2 Points Across peak:32



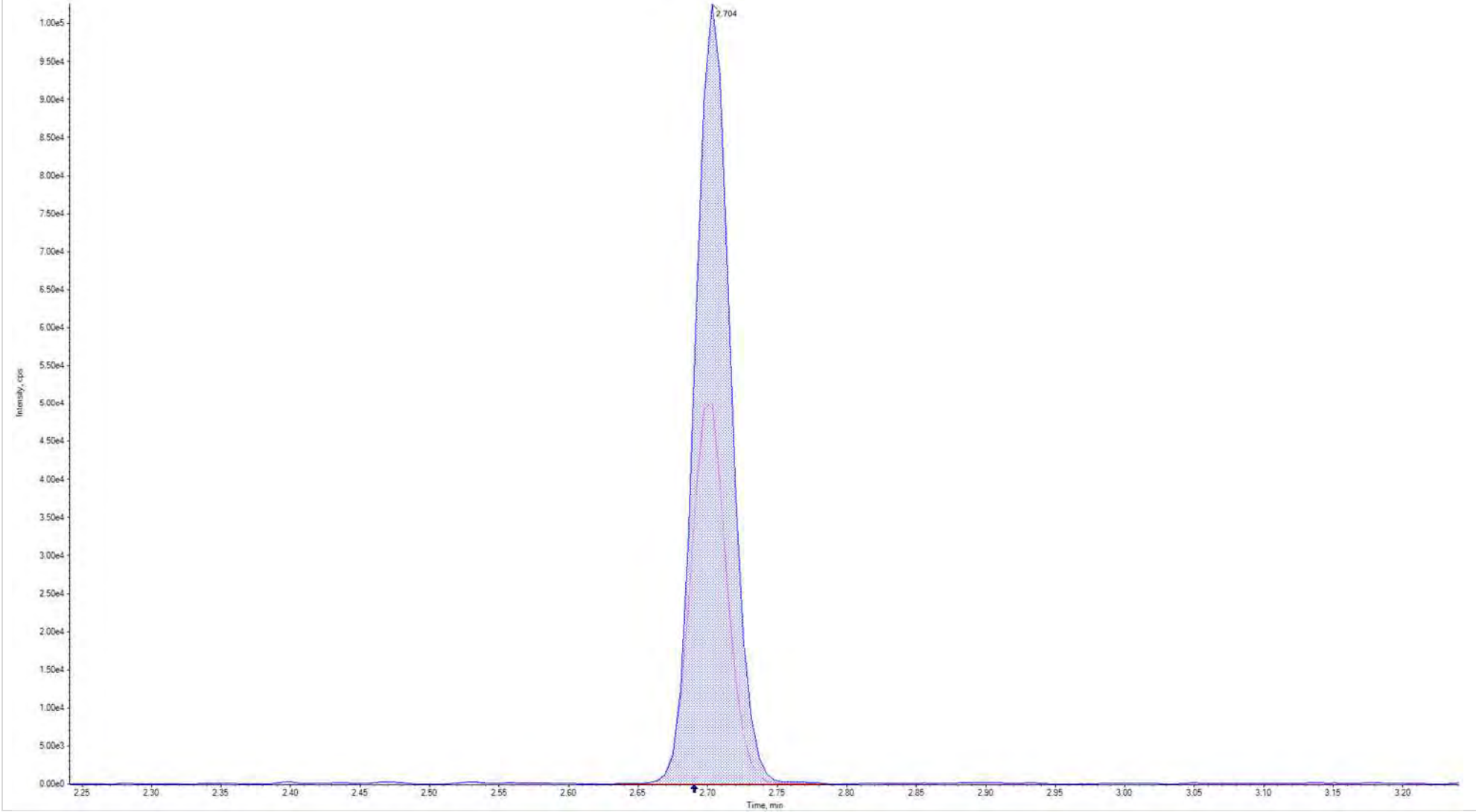
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_25.wiff2_10
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

6:2FTS
Sample: WG2012727-5 S/N:3904.5 Points Across peak:32



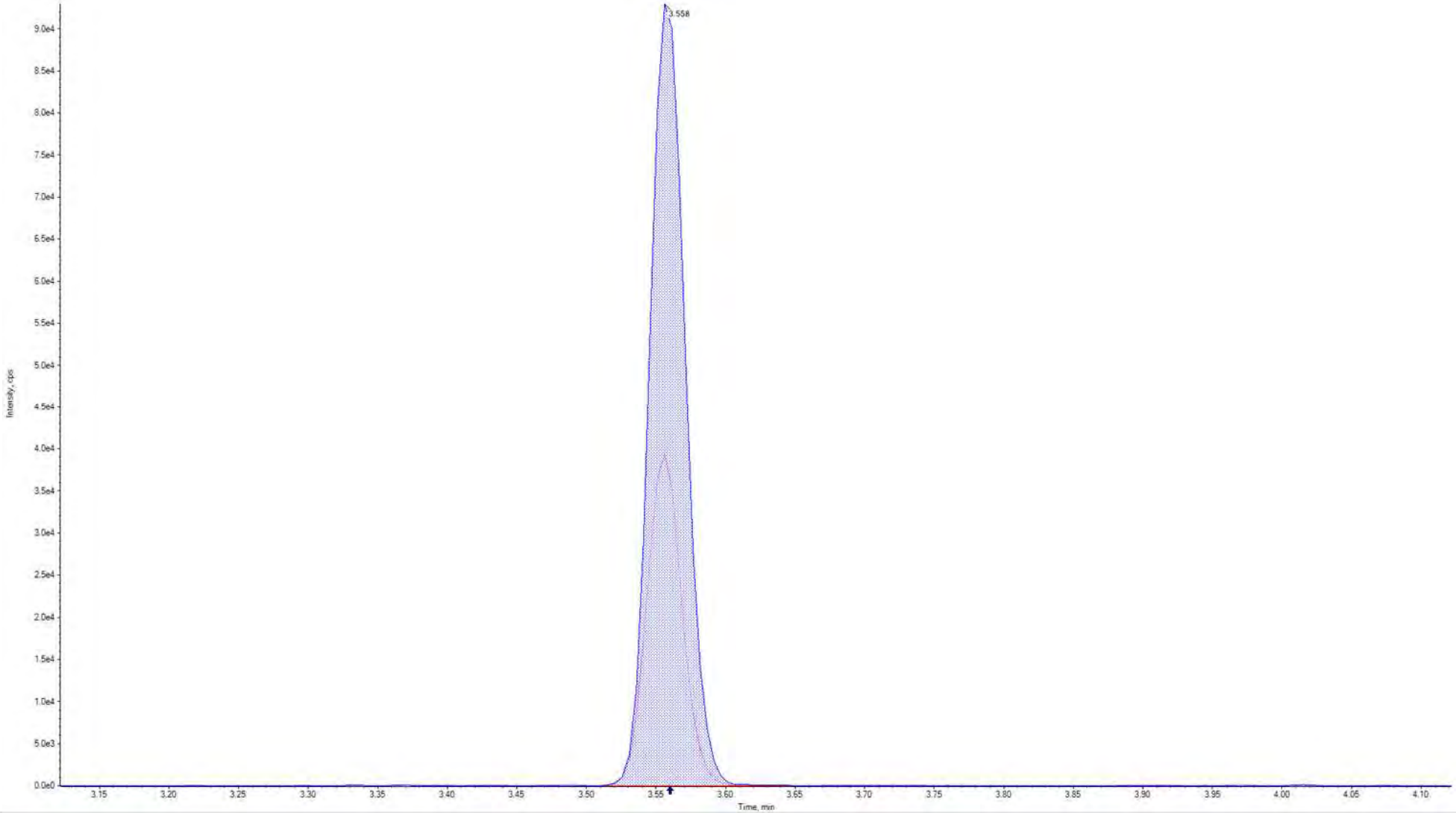
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_25.wiff2_10
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

6:2FTS_2
Sample: WG2012727-5 S/N:2056.6 Points Across peak:32



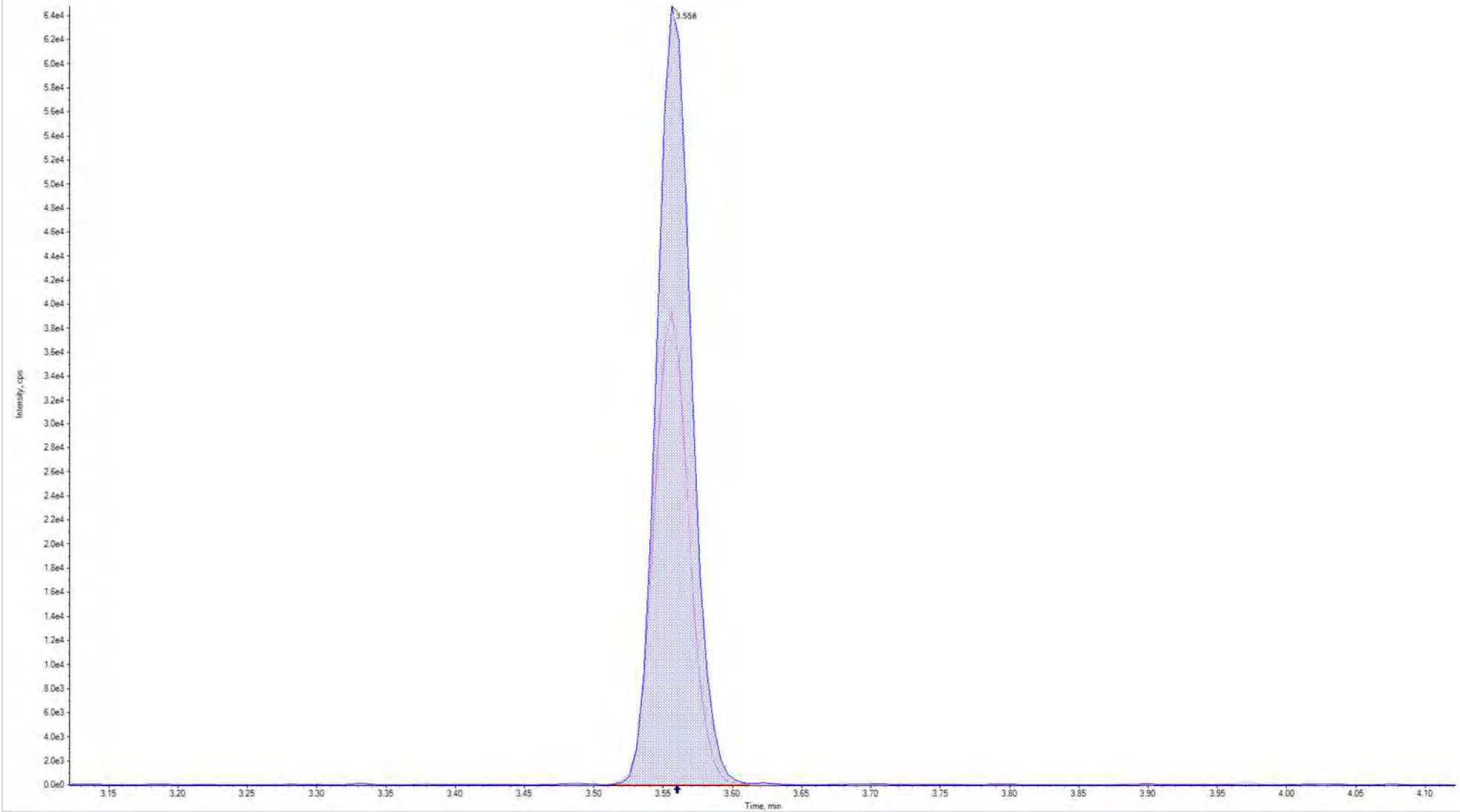
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_25.wiff2_10
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

8:2FTS
Sample: WG2012727-5 S/N:1863.9 Points Across peak:36



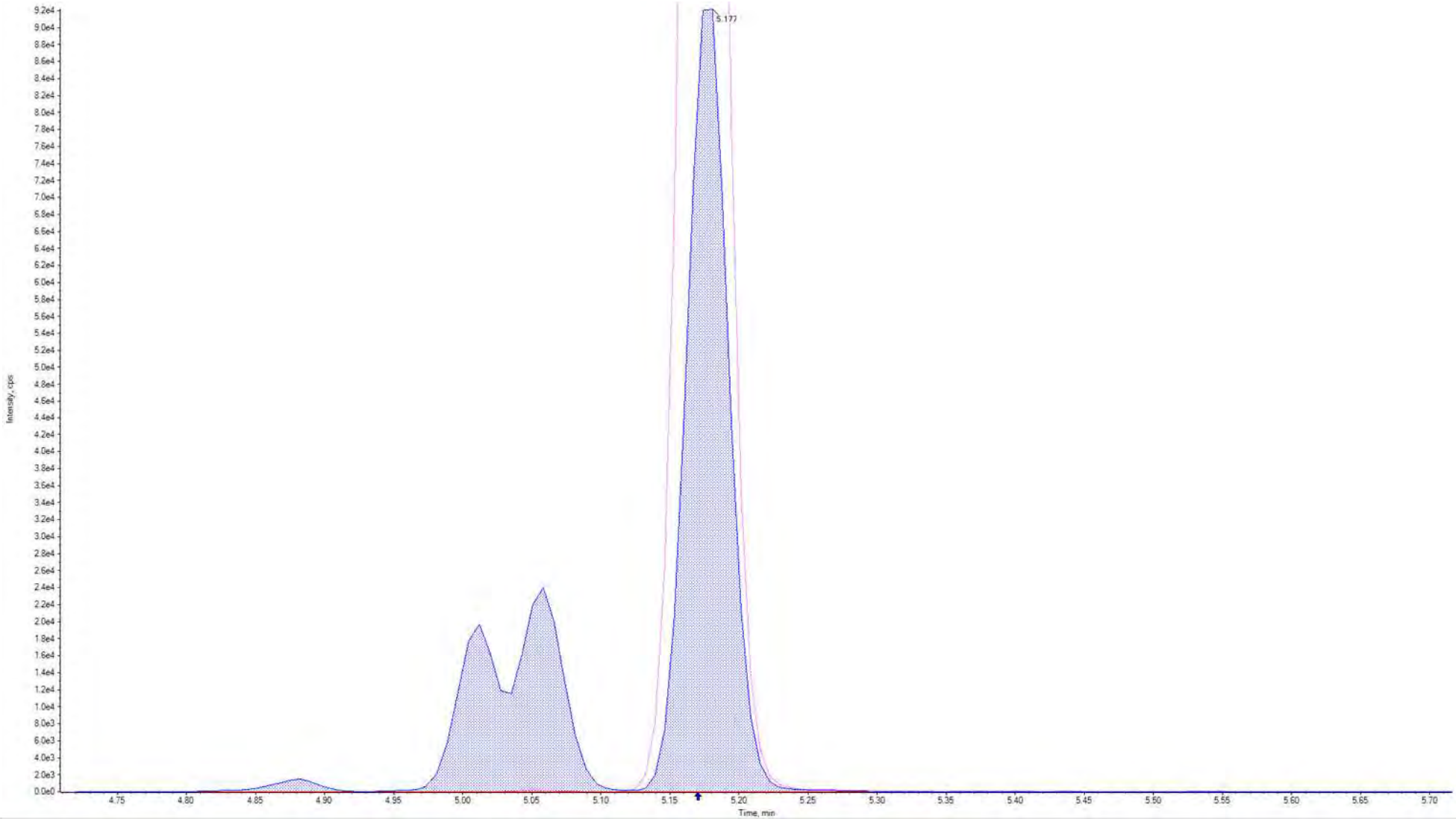
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_25.wiff2_10
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

8:2FTS_2
Sample: WG2012727-5 S/N:1299.2 Points Across peak:21



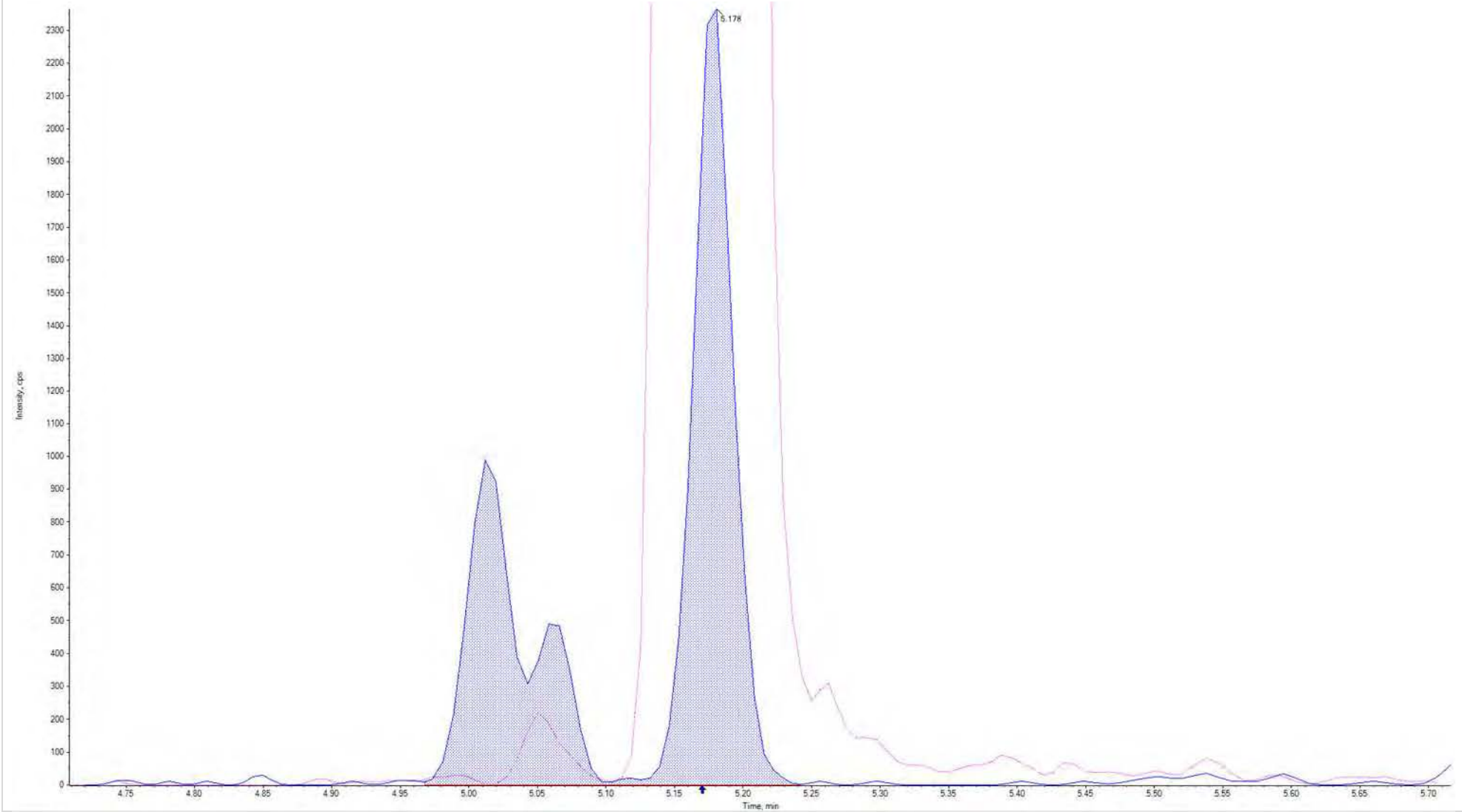
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_25.wiff2_10
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFOSA
Sample: WG2012727-5 S/N:357.6 Points Across peak:76



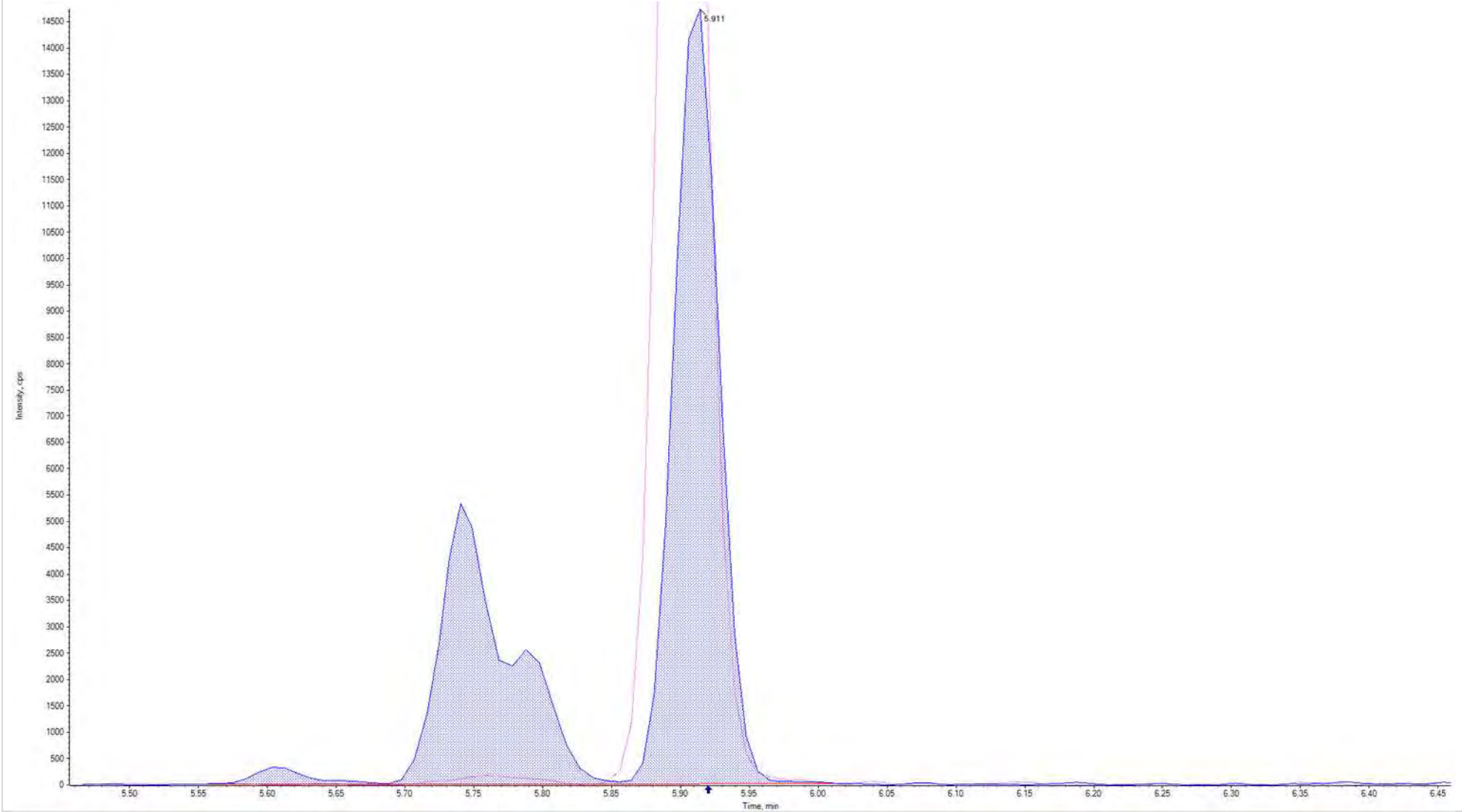
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_25.wiff2_10
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFOSA_2
Sample: WG2012727-5 S/N:165.5 Points Across peak:39



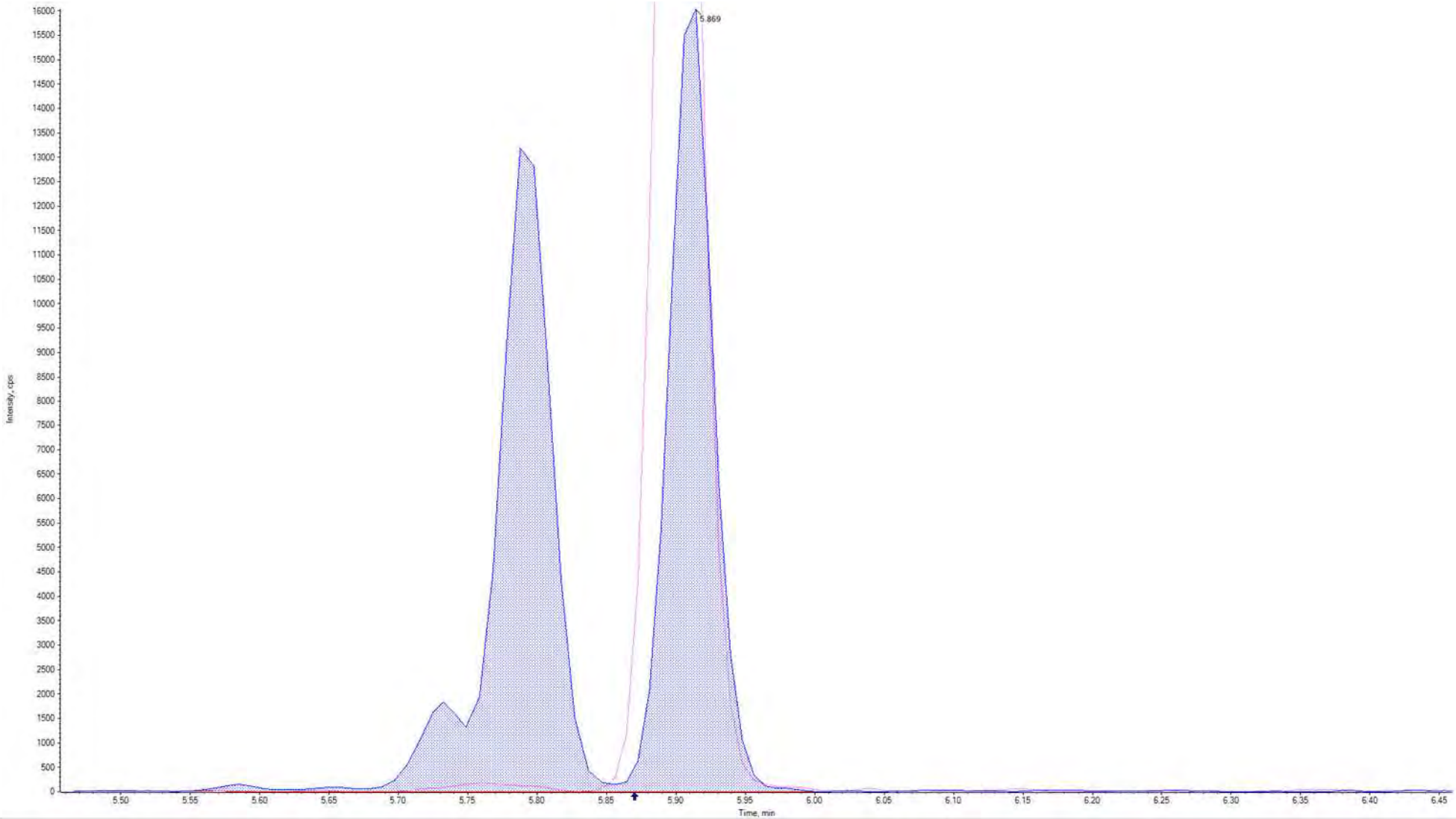
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_25.wiff2_10
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

NMeFOSA
Sample: WG2012727-5 S/N:283.6 Points Across peak:54



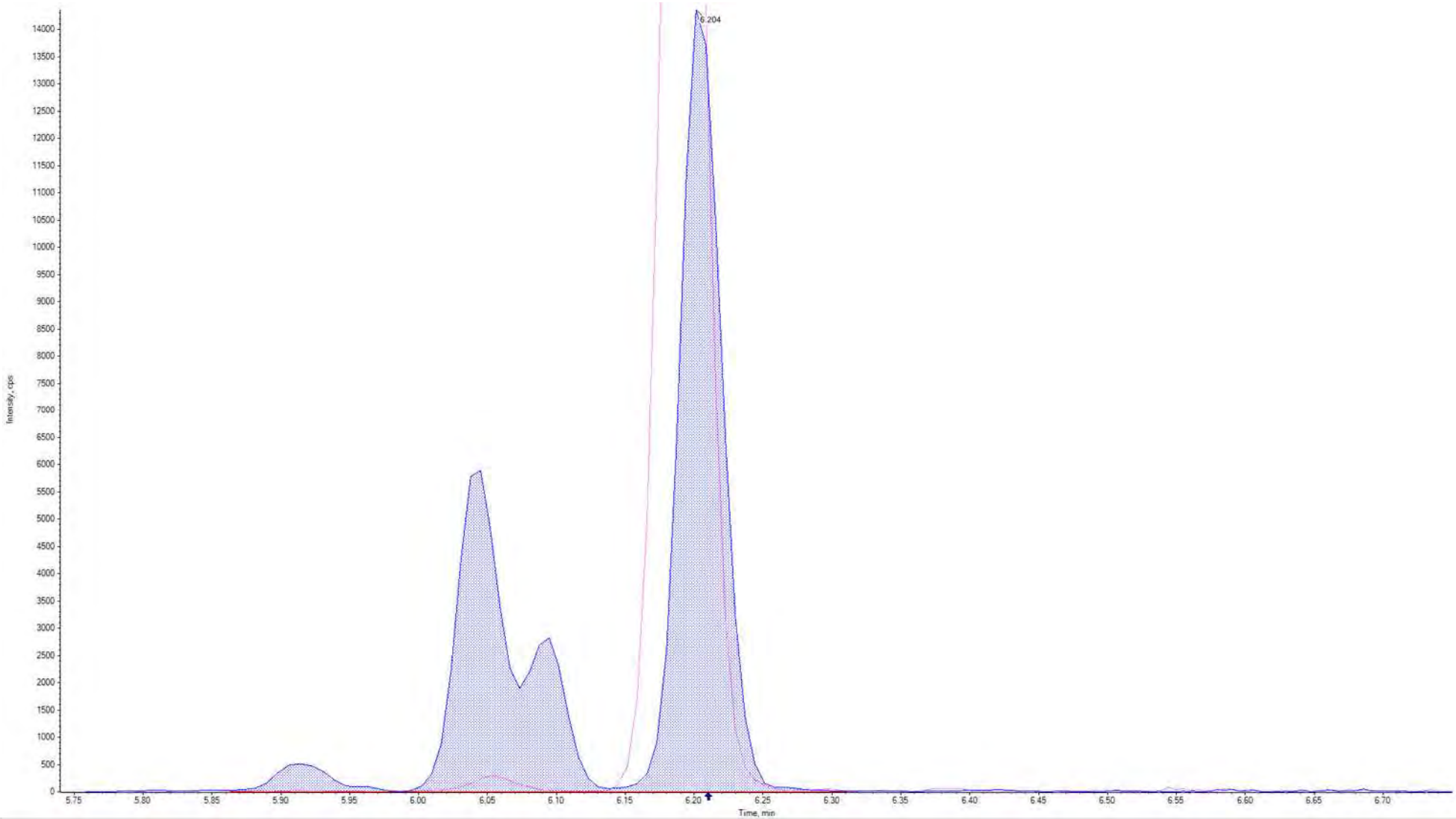
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_25.wiff2_10
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

NMeFOSA_2
Sample: WG2012727-5 S/N:239.0 Points Across peak:53



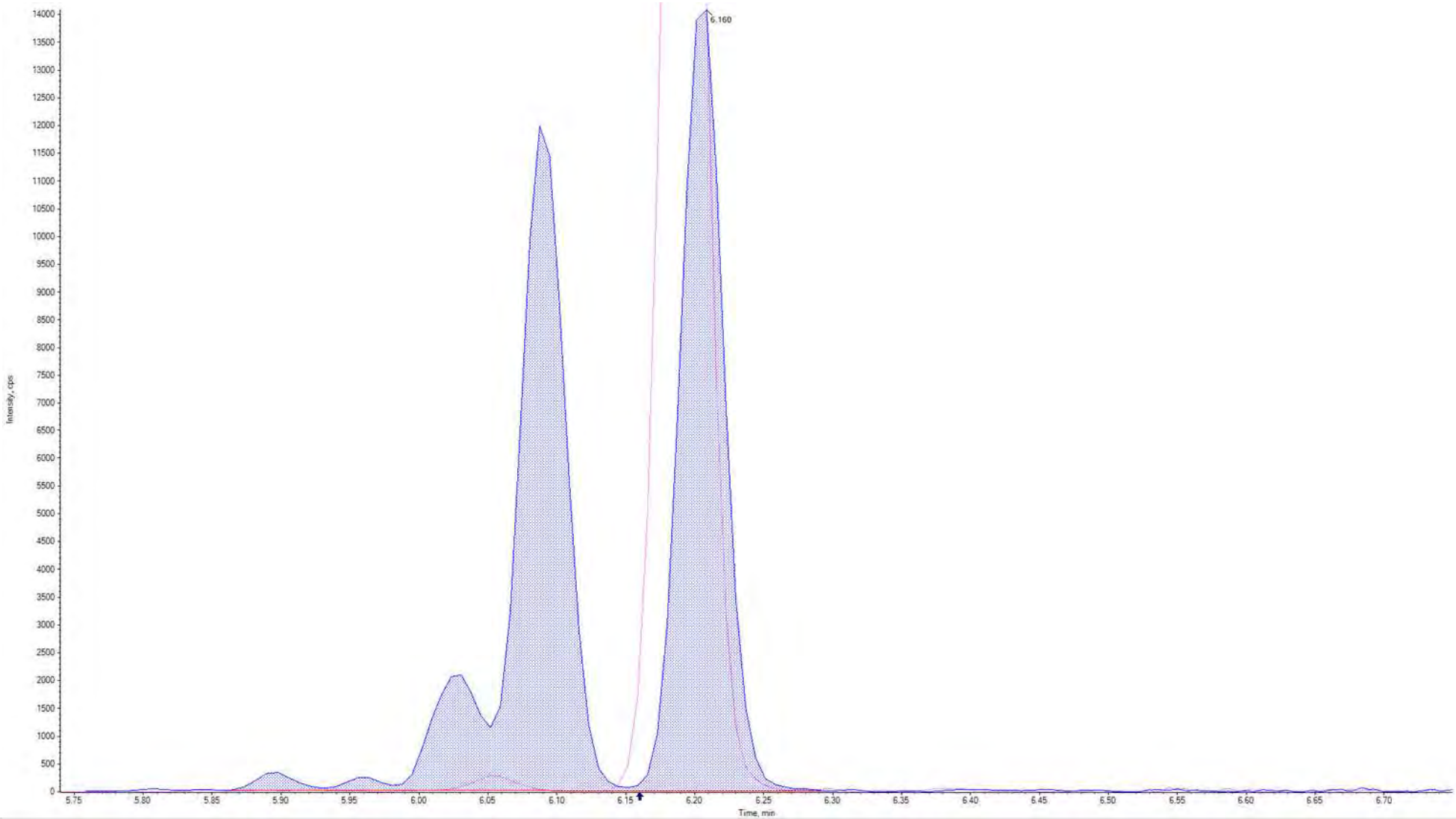
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_25.wiff2_10
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

NEtFOSA
Sample: WG2012727-5 S/N:578.0 Points Across peak:64



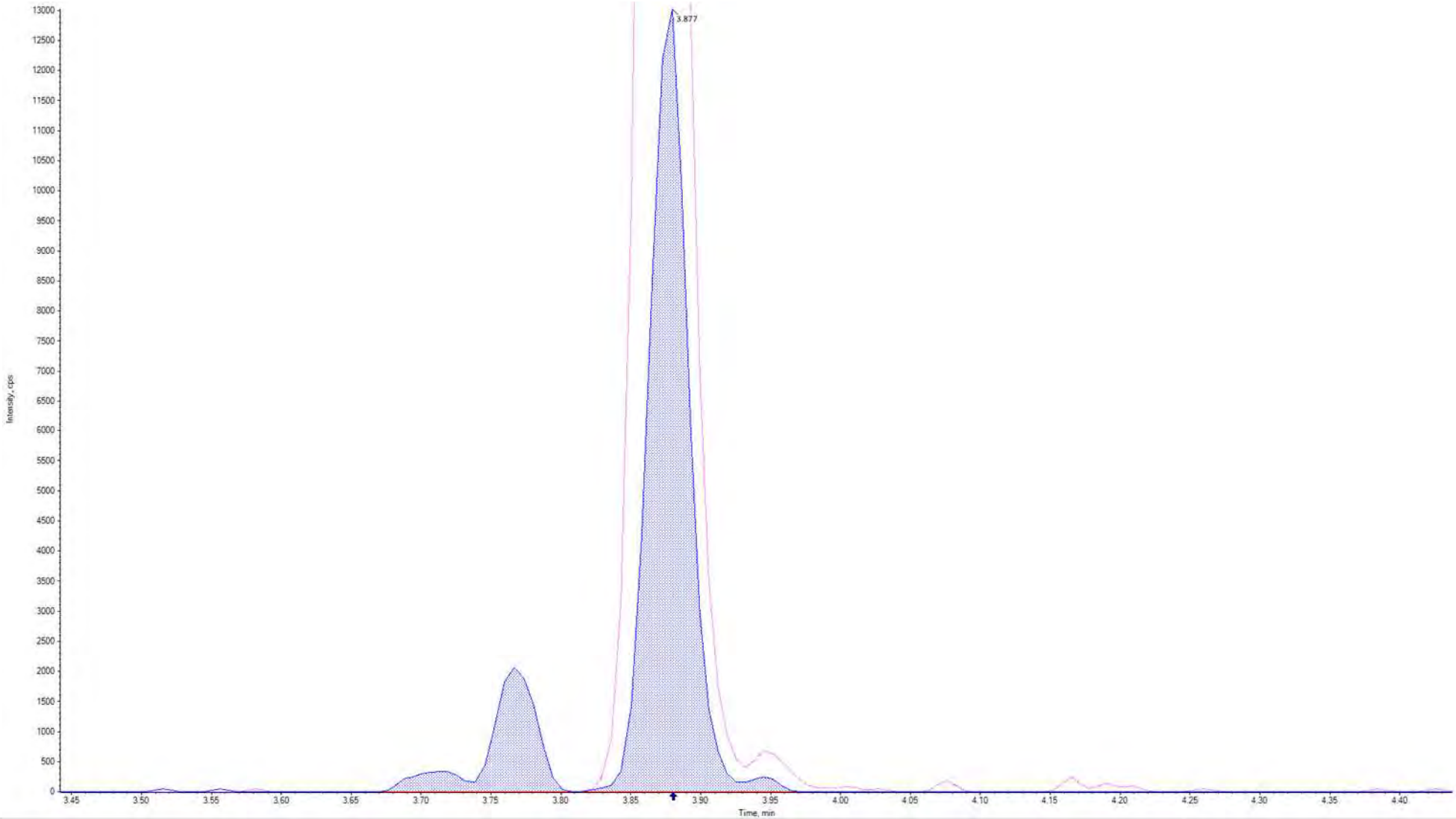
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_25.wiff2_10
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

NEtFOSA_2
Sample: WG2012727-5 S/N:504.5 Points Across peak:61



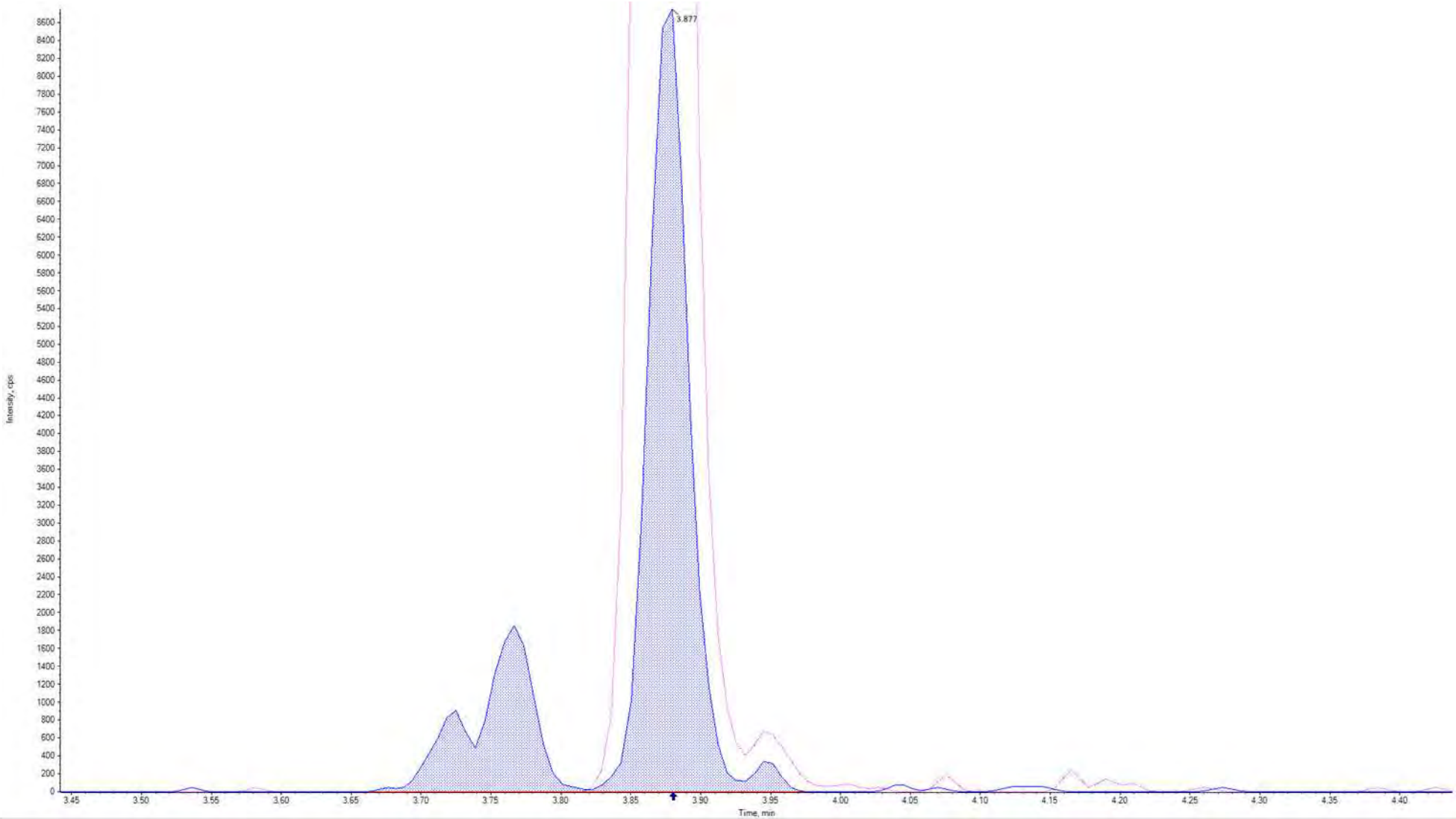
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_25.wiff2_10
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

NMeFOSAA
Sample: WG2012727-5 S/N:261.1 Points Across peak:56



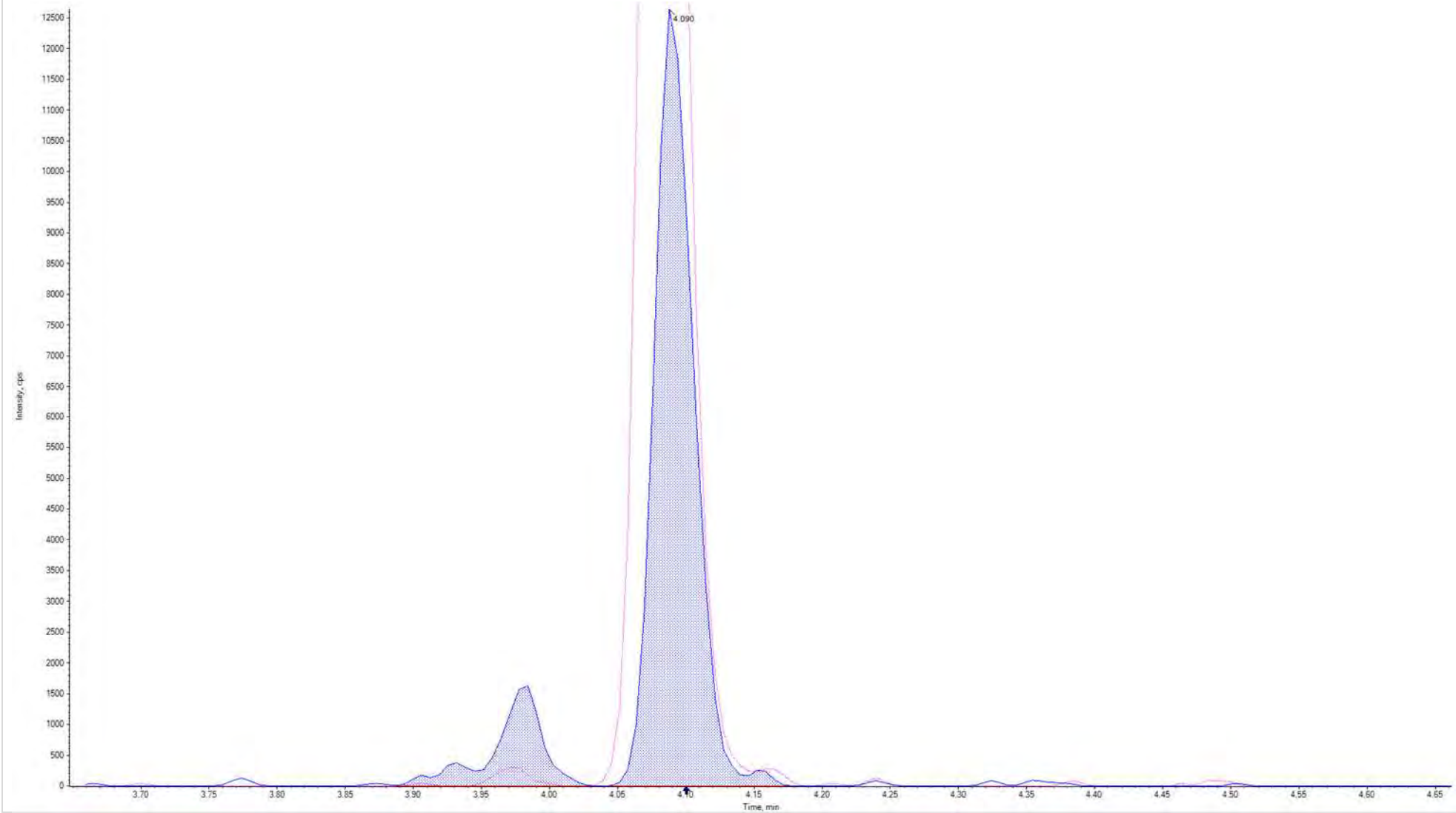
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_25.wiff2_10
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

NMeFOSAA_2
Sample: WG2012727-5 S/N:175.4 Points Across peak:49



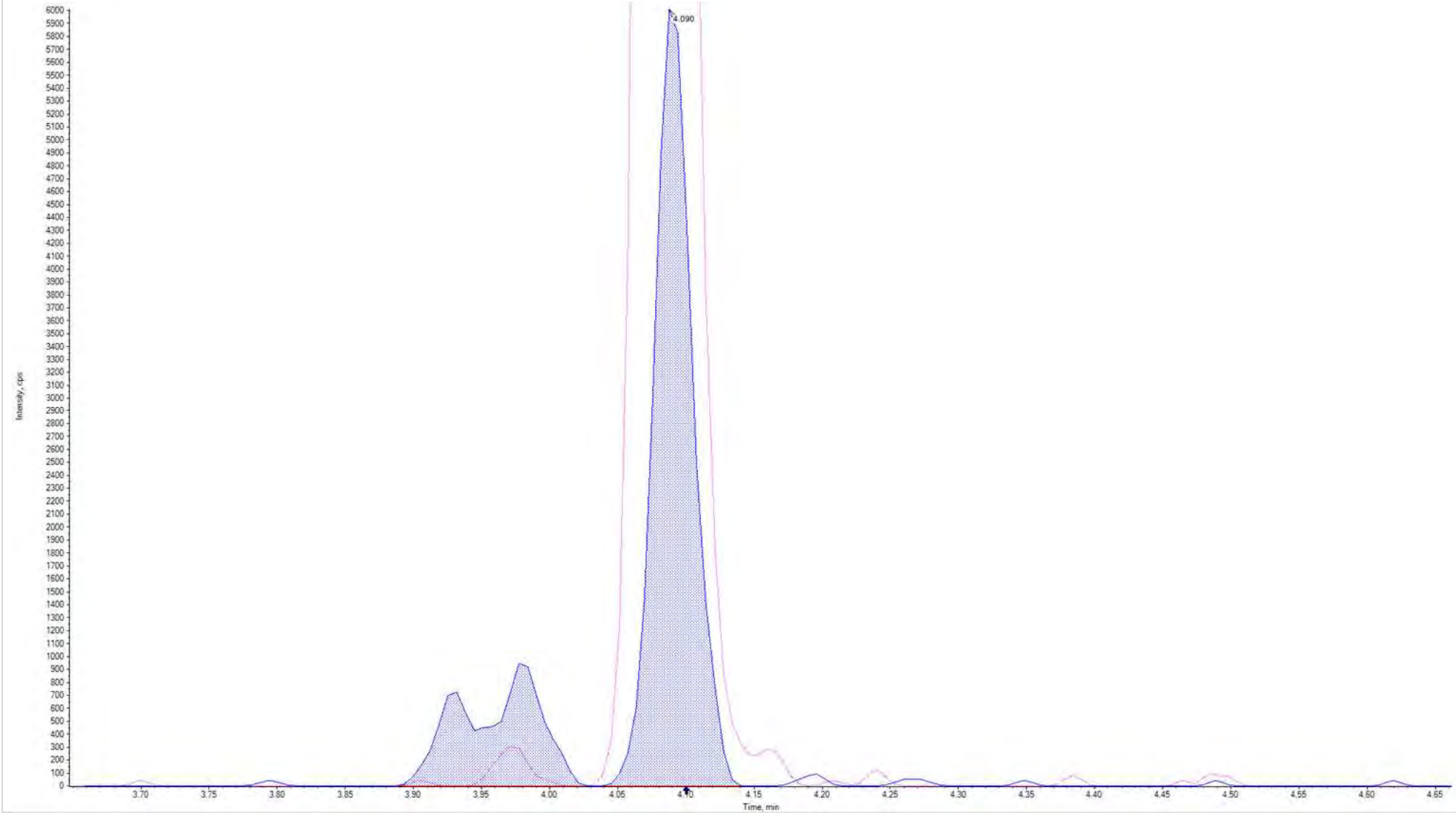
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_25.wiff2_10
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

NEtFOSAA
Sample: WG2012727-5 S/N:285.2 Points Across peak:47



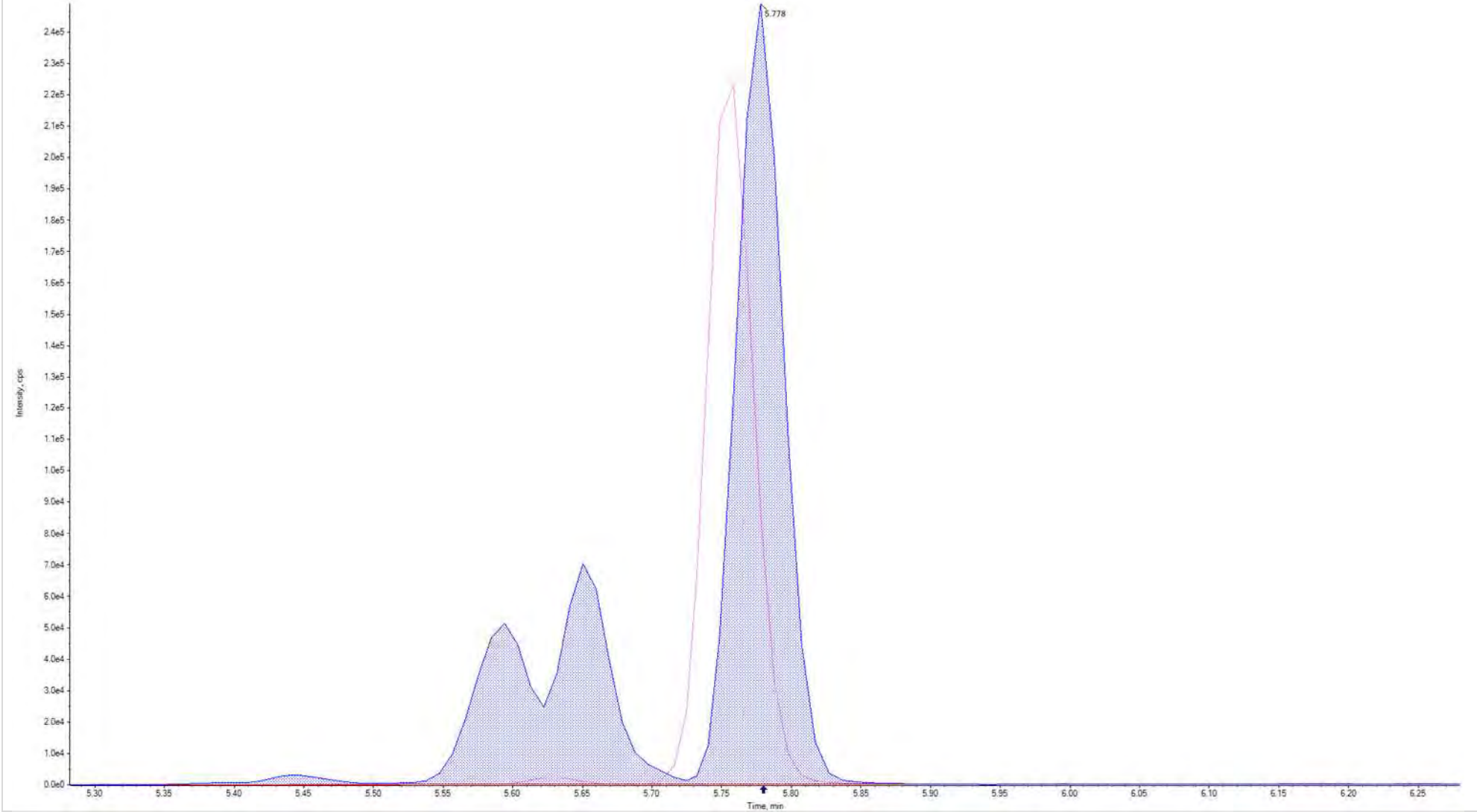
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_25.wiff2_10
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

NEtFOSAA_2
Sample: WG2012727-5 S/N:135.6 Points Across peak:42



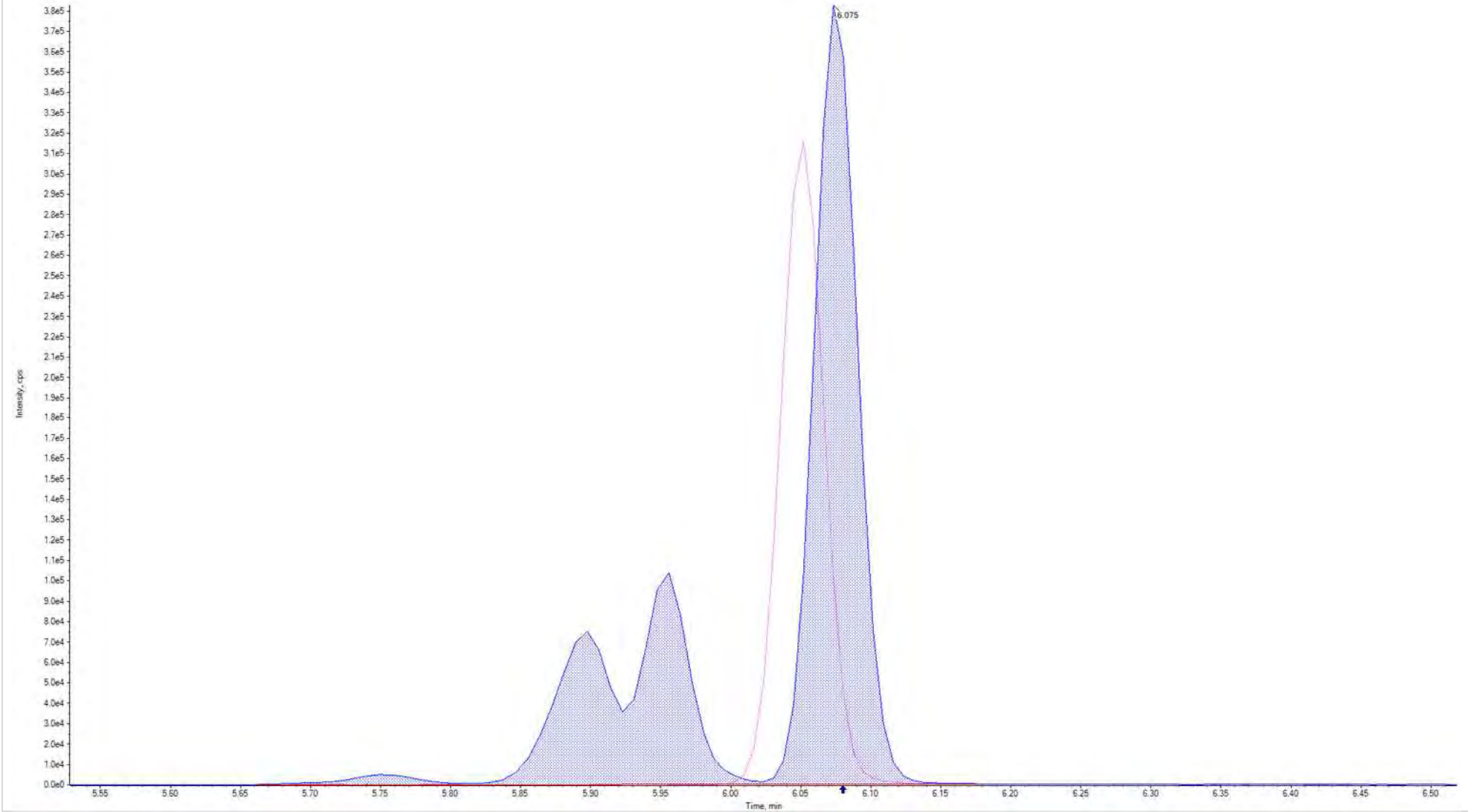
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_25.wiff2_10
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

NMeFOSE
Sample: WG2012727-5 S/N:268.3 Points Across peak:65



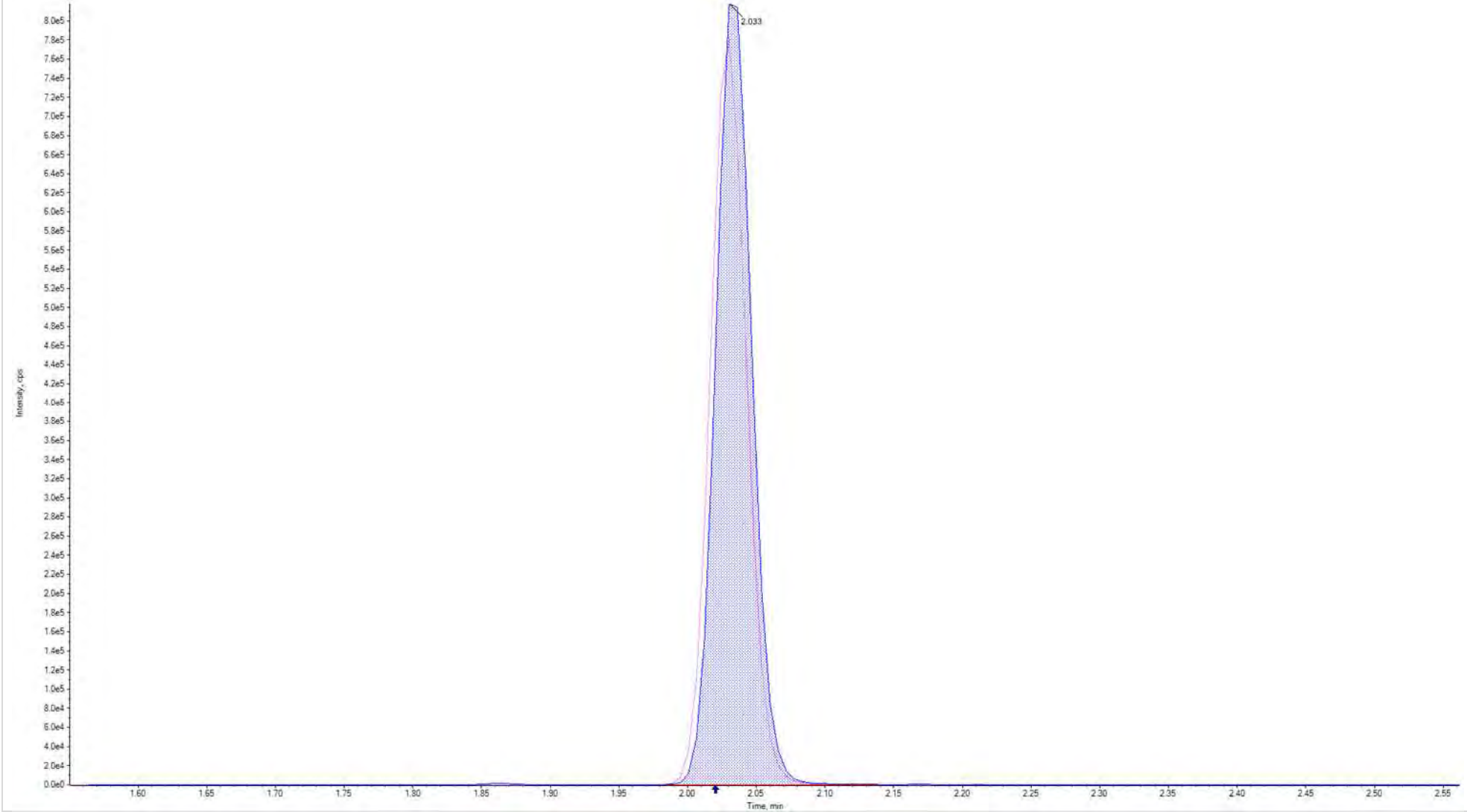
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_25.wiff2_10
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

NEtFOSE
Sample: WG2012727-5 S/N:268.3 Points Across peak:68



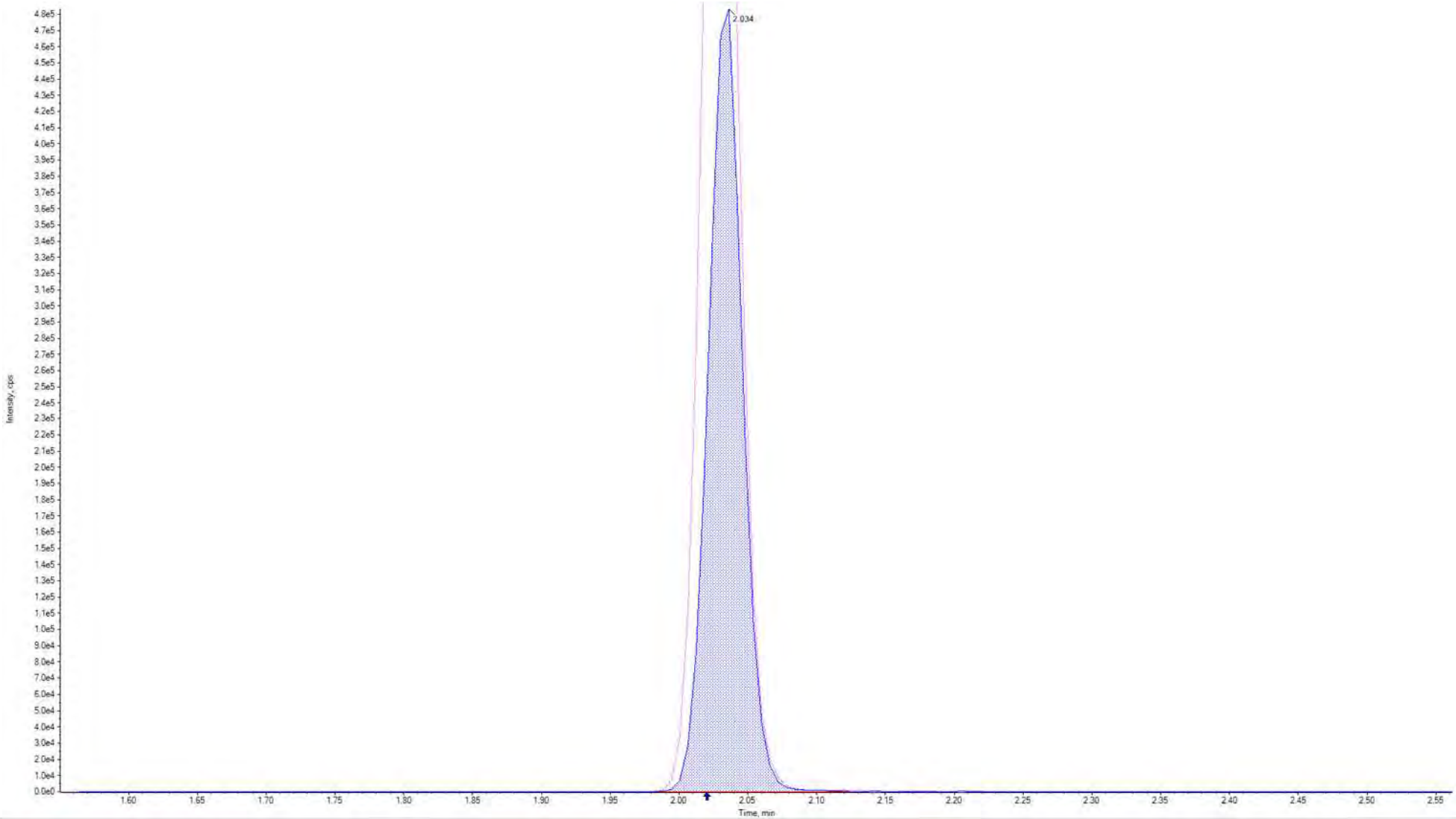
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_25.wiff2_10
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

HFPO-DA
Sample: WG2012727-5 S/N:6601.0 Points Across peak:32



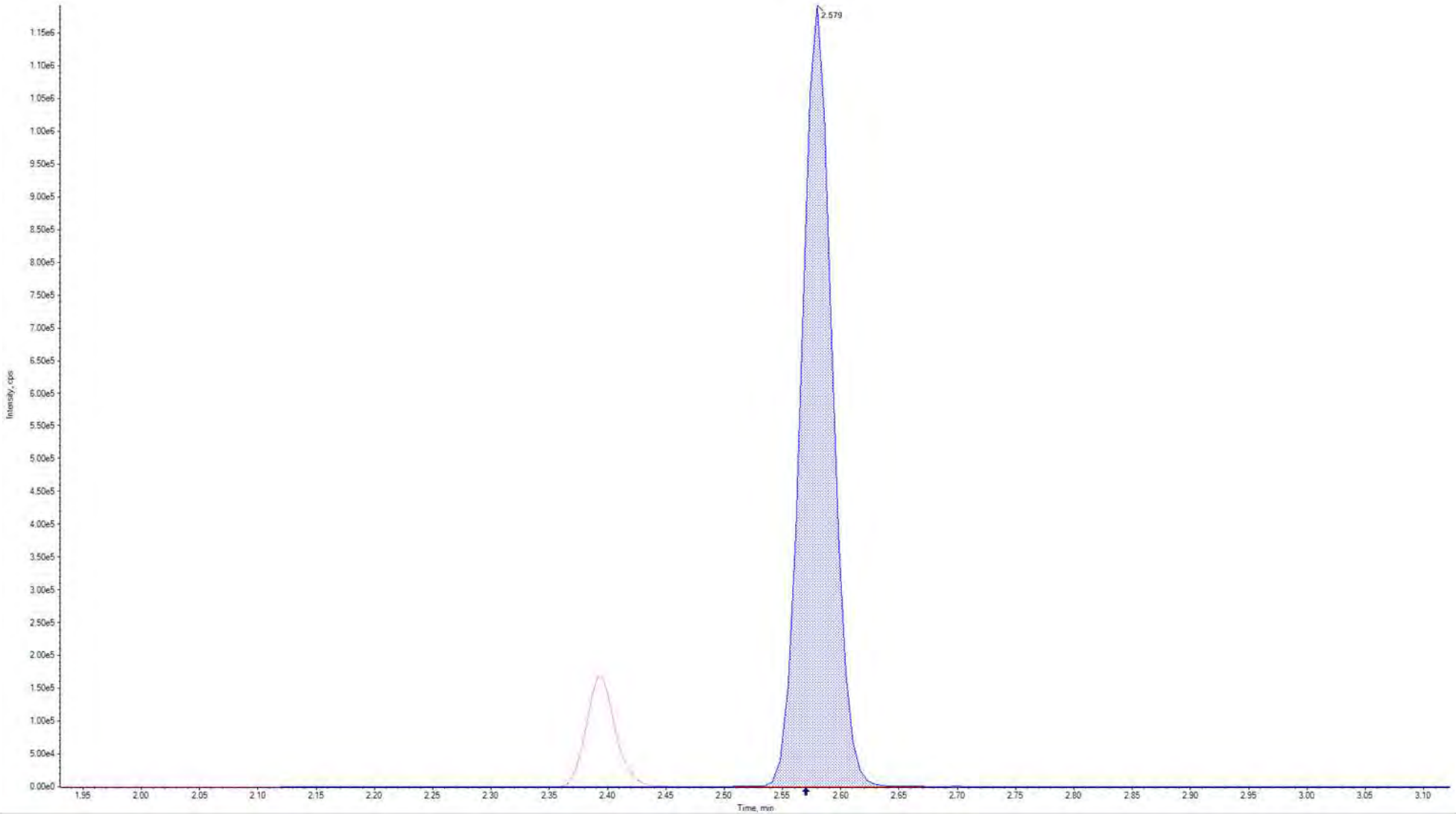
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_25.wiff2_10
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

HFPO-DA_2
Sample: WG2012727-5 S/N:4274.3 Points Across peak:29



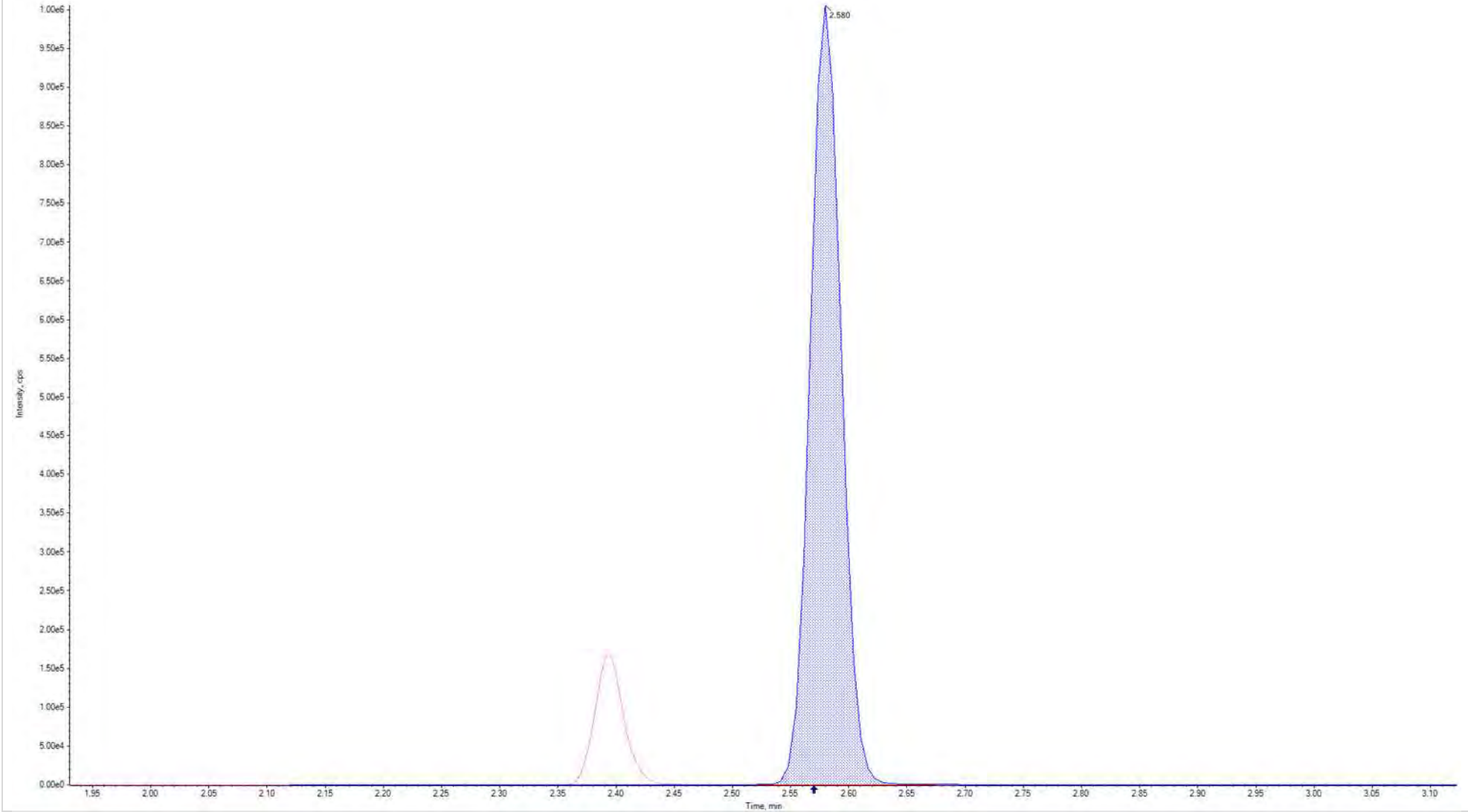
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_25.wiff2_10
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

ADONA
Sample: WG2012727-5 S/N:23903.5 Points Across peak:35



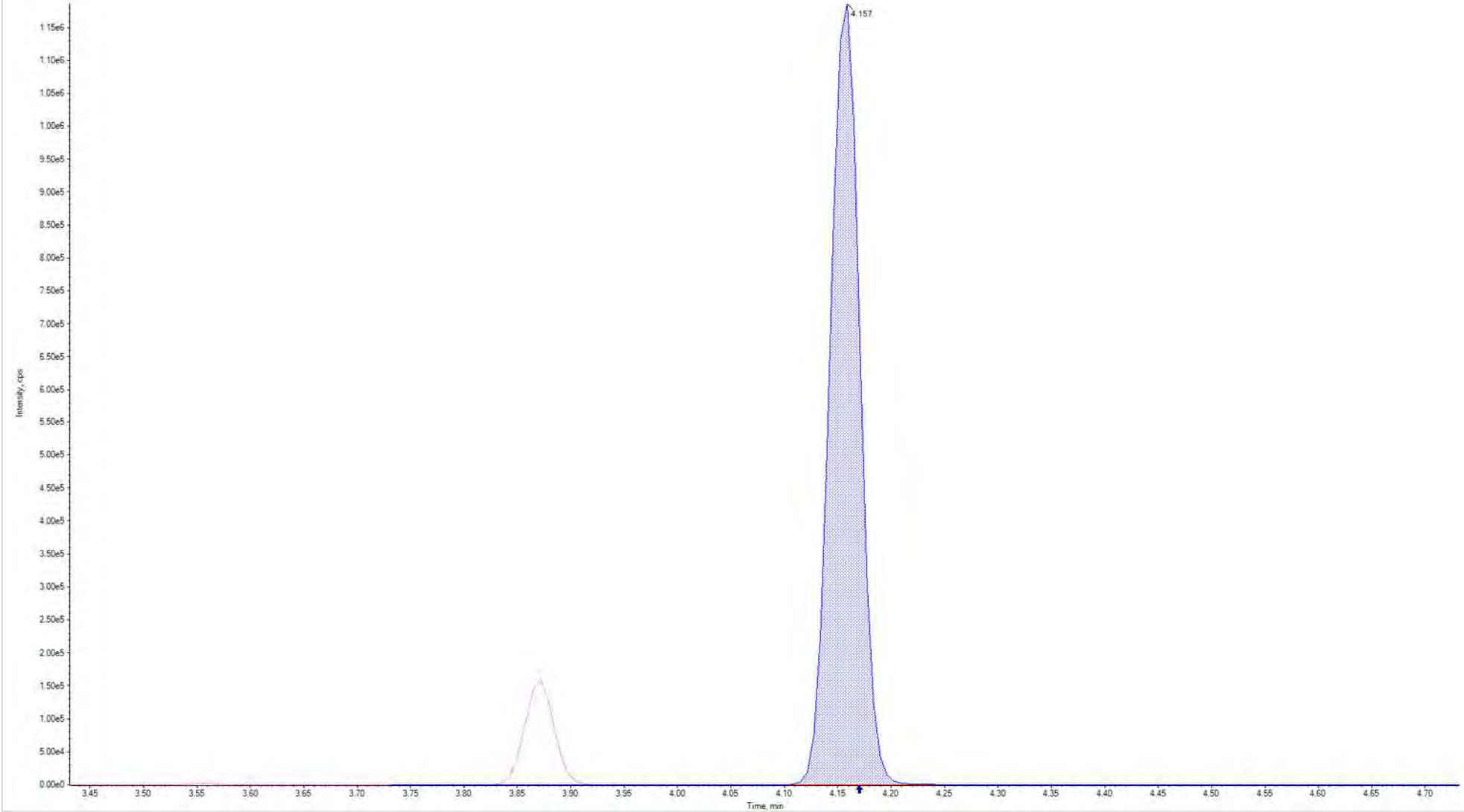
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_25.wiff2_10
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

ADONA_2
Sample: WG2012727-5 S/N:20159.8 Points Across peak:31



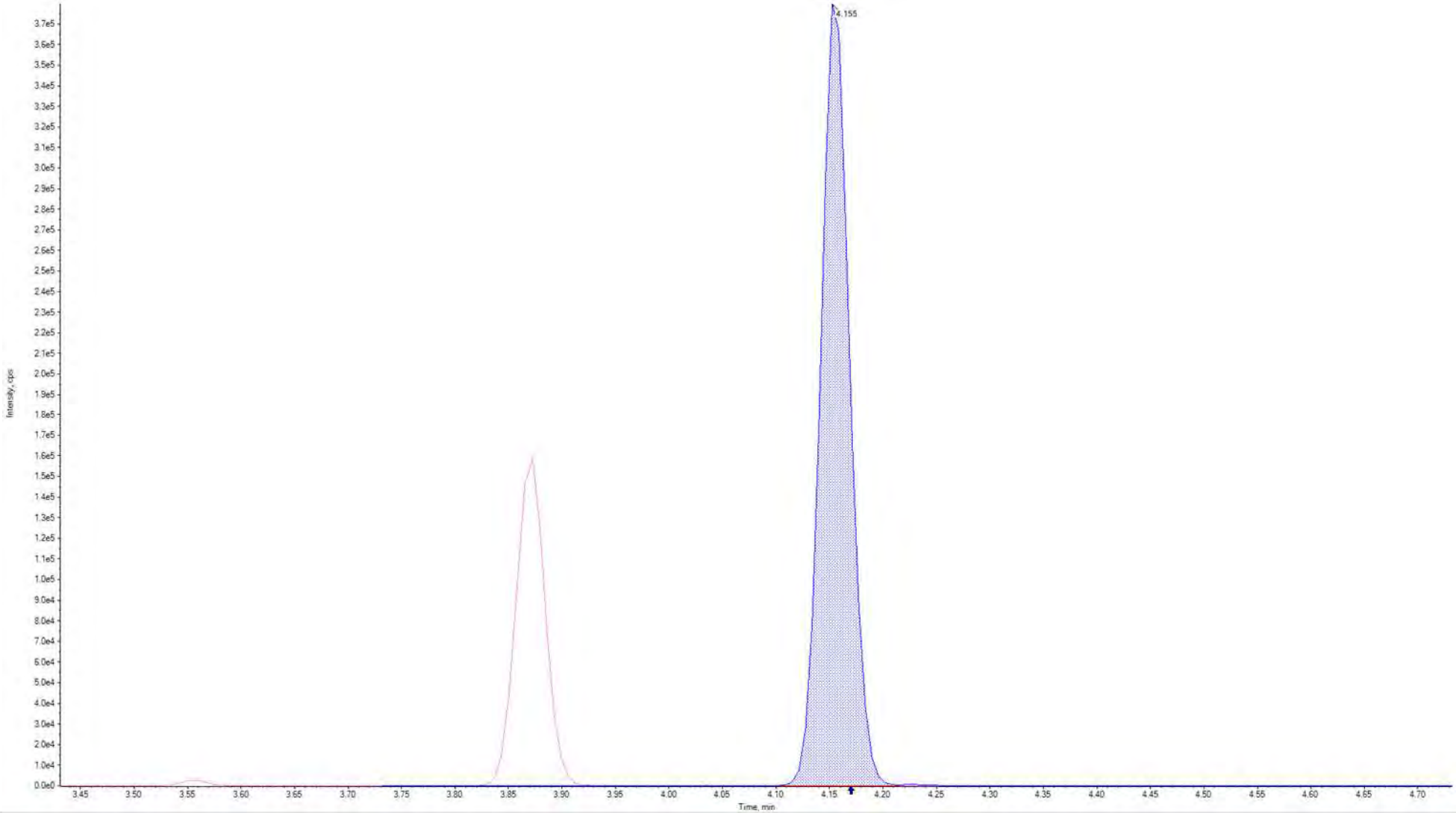
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_25.wiff2_10
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

9Cl-PF3ONS
Sample: WG2012727-5 S/N:10271.1 Points Across peak:31



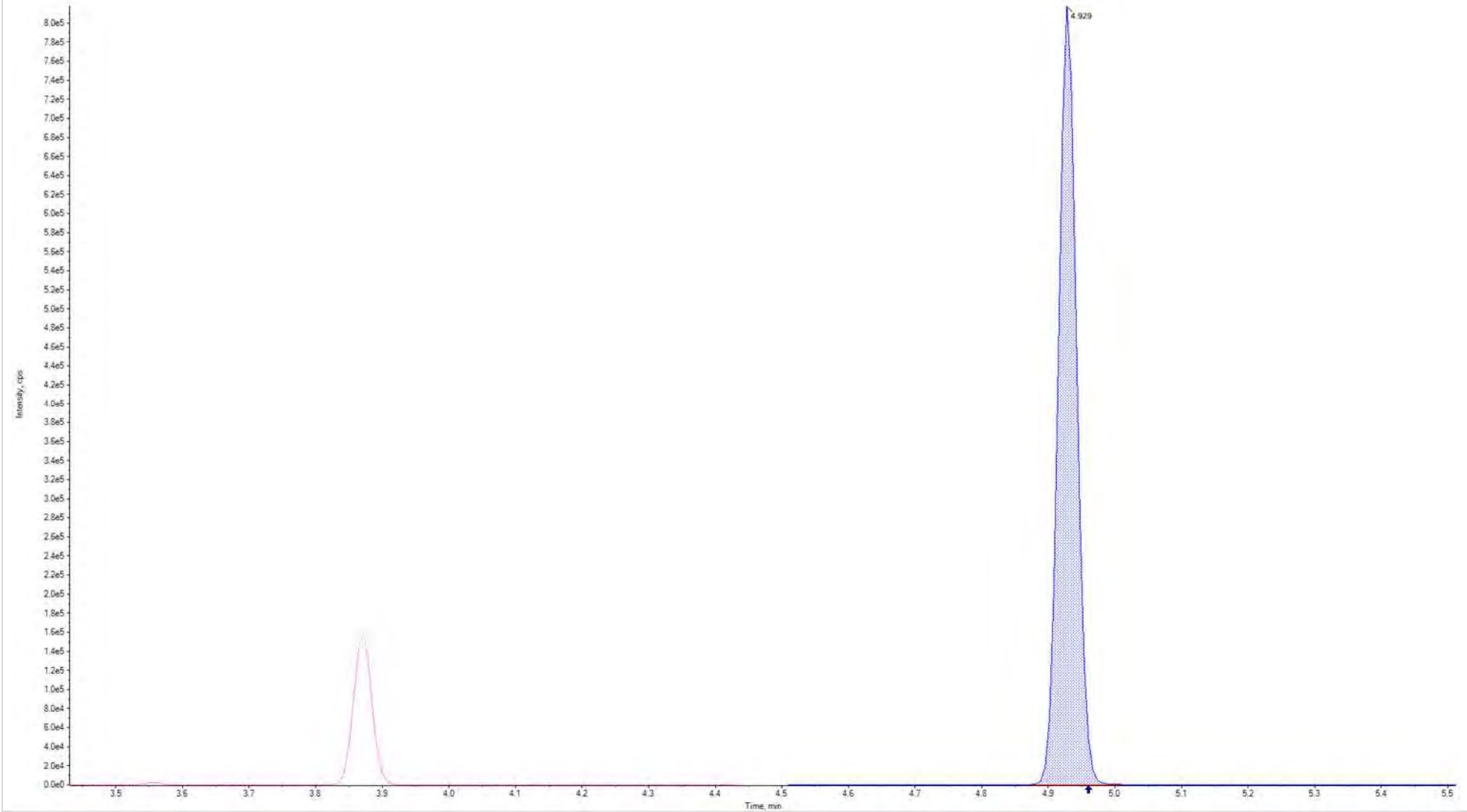
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_25.wiff2_10
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

9Cl-PF3ONS_2
Sample: WG2012727-5 S/N:8566.8 Points Across peak:24



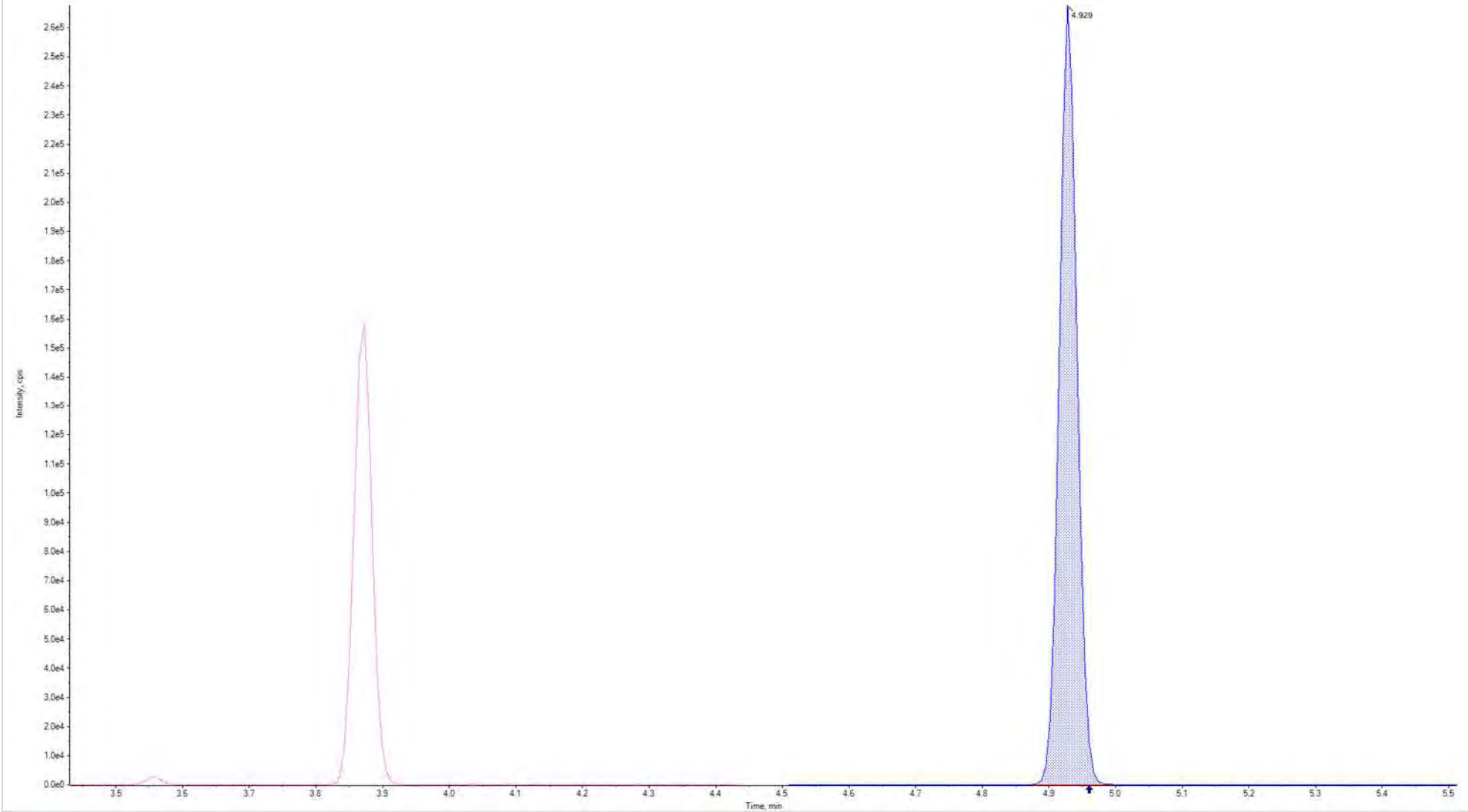
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_25.wiff2_10
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

11Cl-PF3OUdS
Sample: WG2012727-5 S/N:8803.0 Points Across peak:29



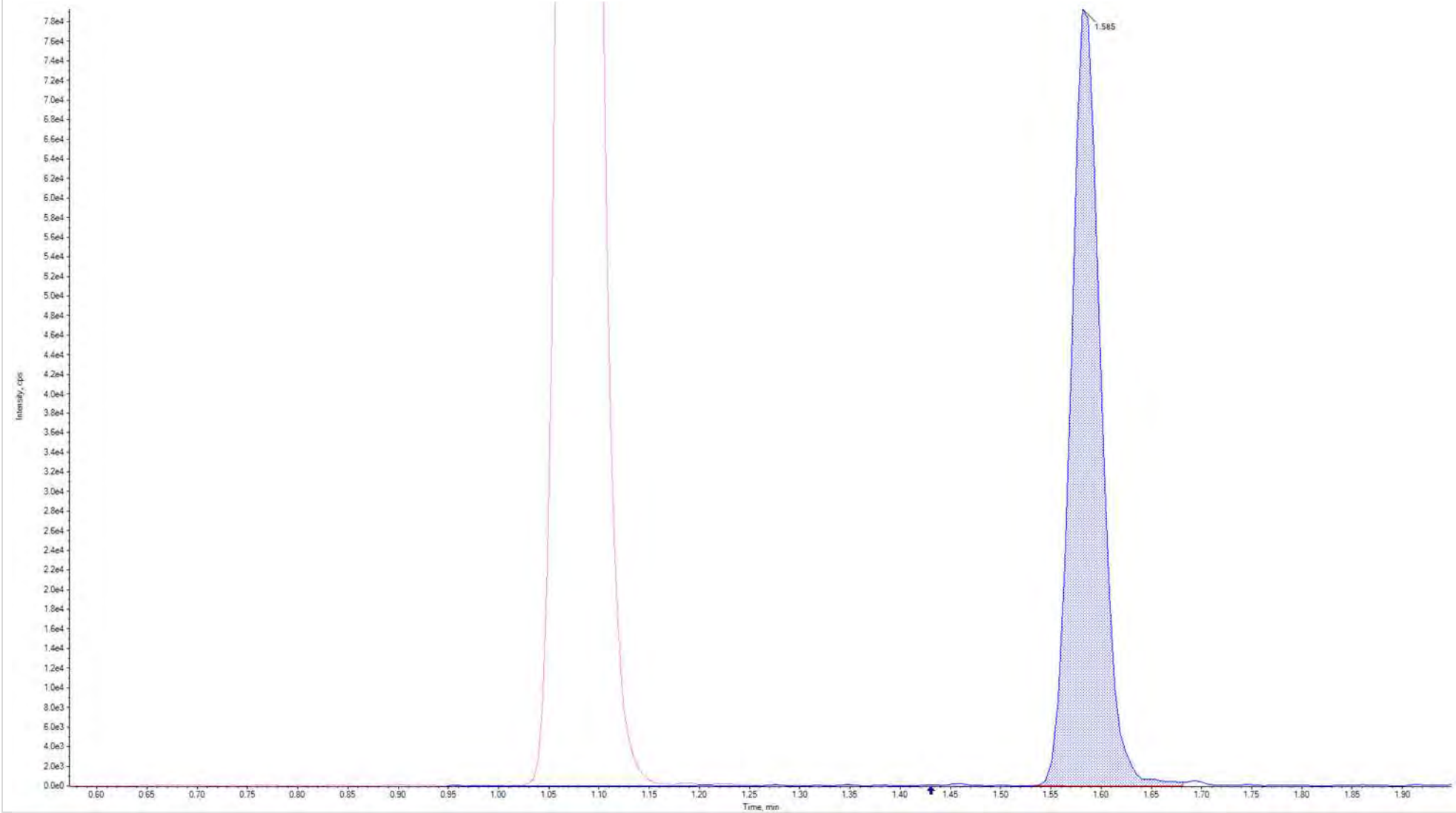
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_25.wiff2_10
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

11Cl-PF3OUdS_2
Sample: WG2012727-5 S/N:5958.1 Points Across peak:24



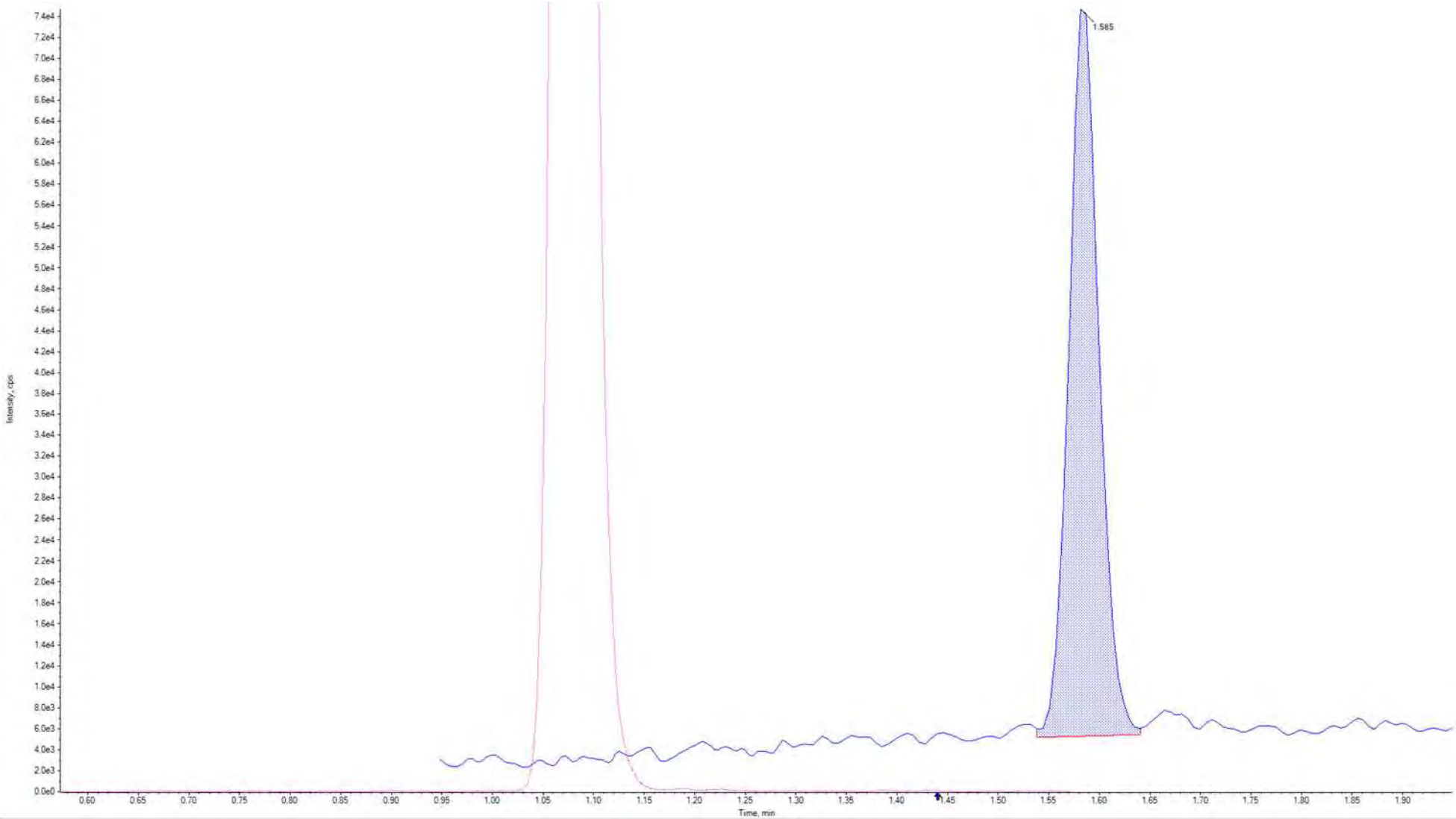
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_25.wiff2_10
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

3:3FTCA
Sample: WG2012727-5 S/N:1986.5 Points Across peak:27



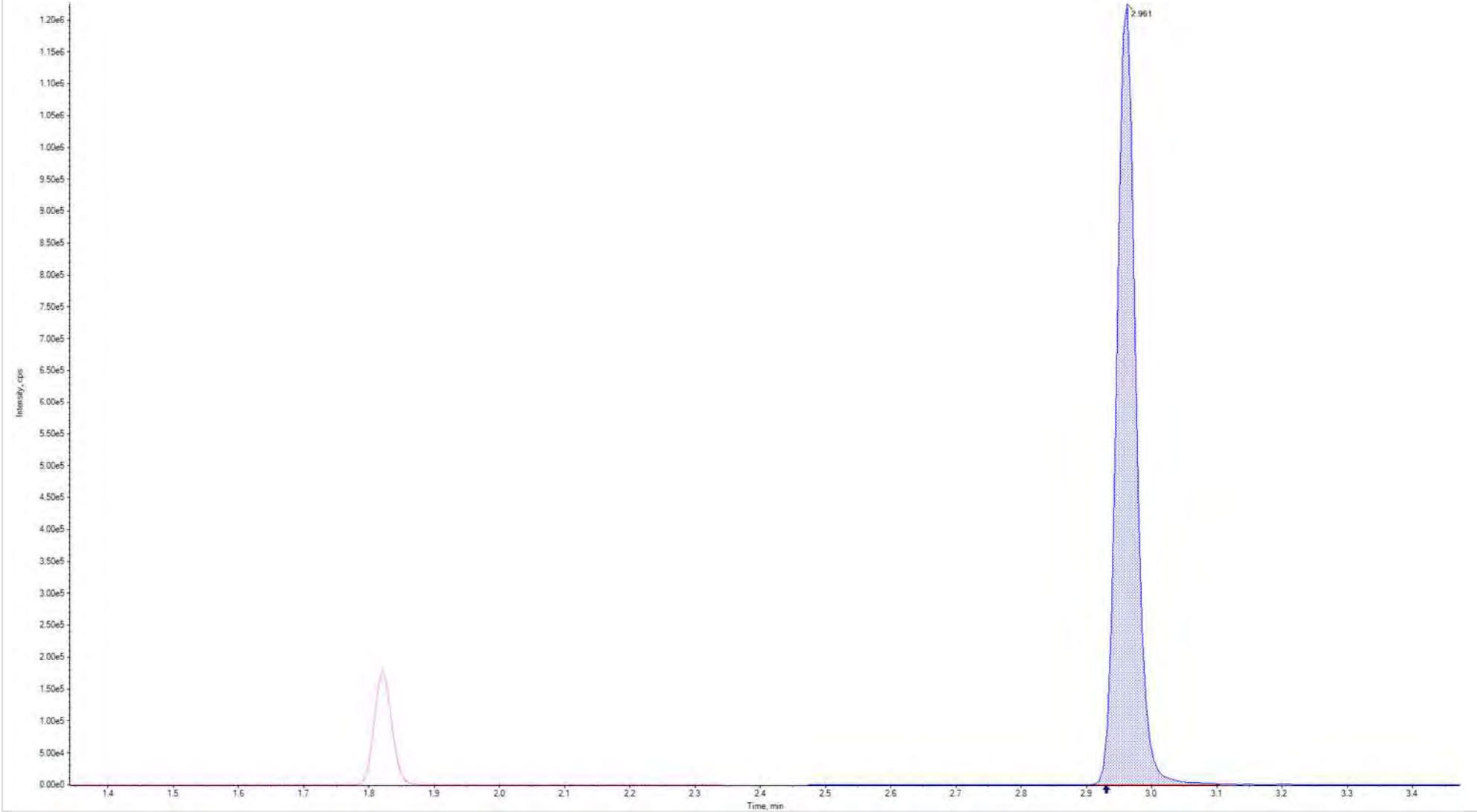
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_25.wiff2_10
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

3:3FTCA_2
Sample: WG2012727-5 S/N:282.6 Points Across peak:19



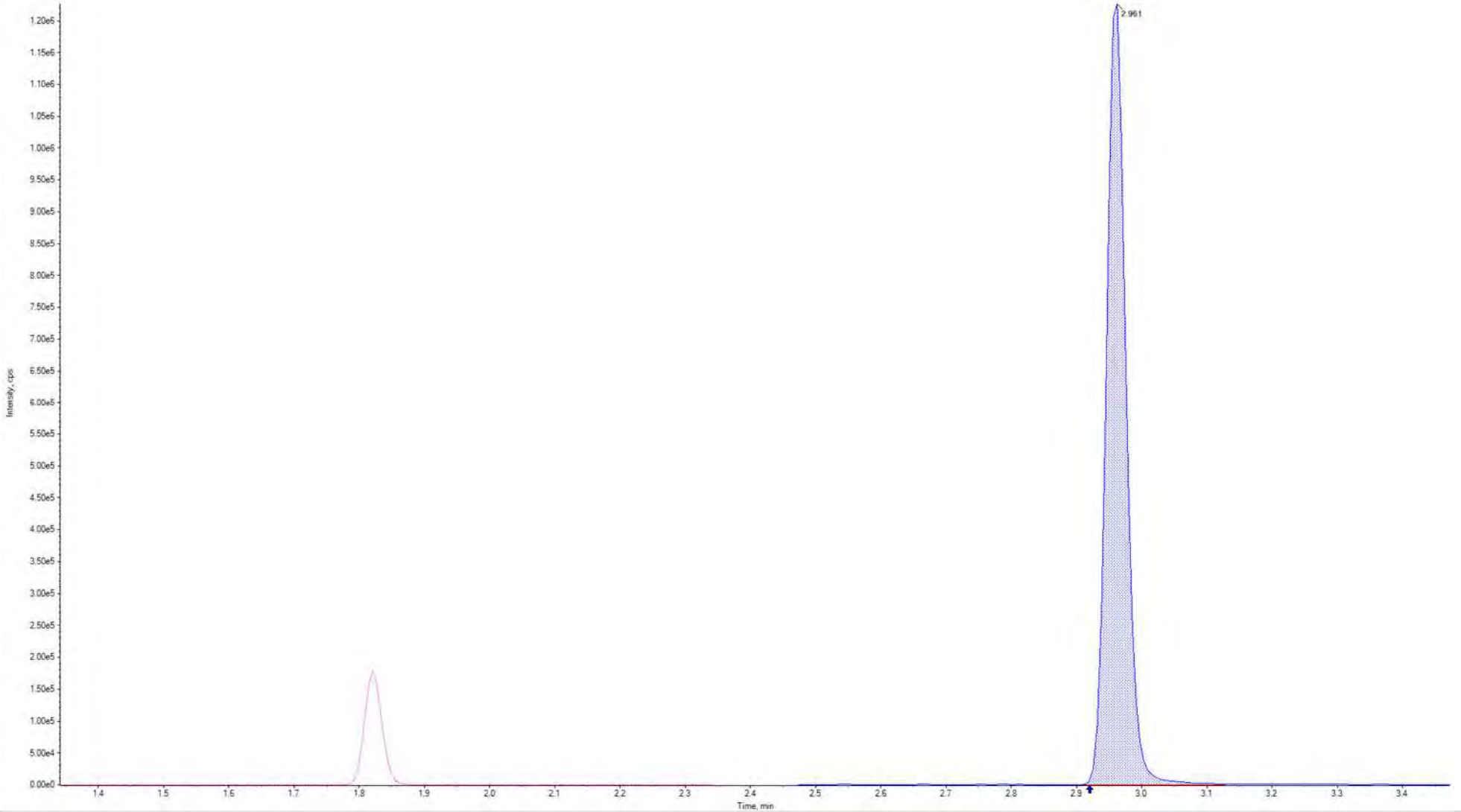
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_25.wiff2_10
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

5:3FTCA
Sample: WG2012727-5 S/N:27420.3 Points Across peak:35



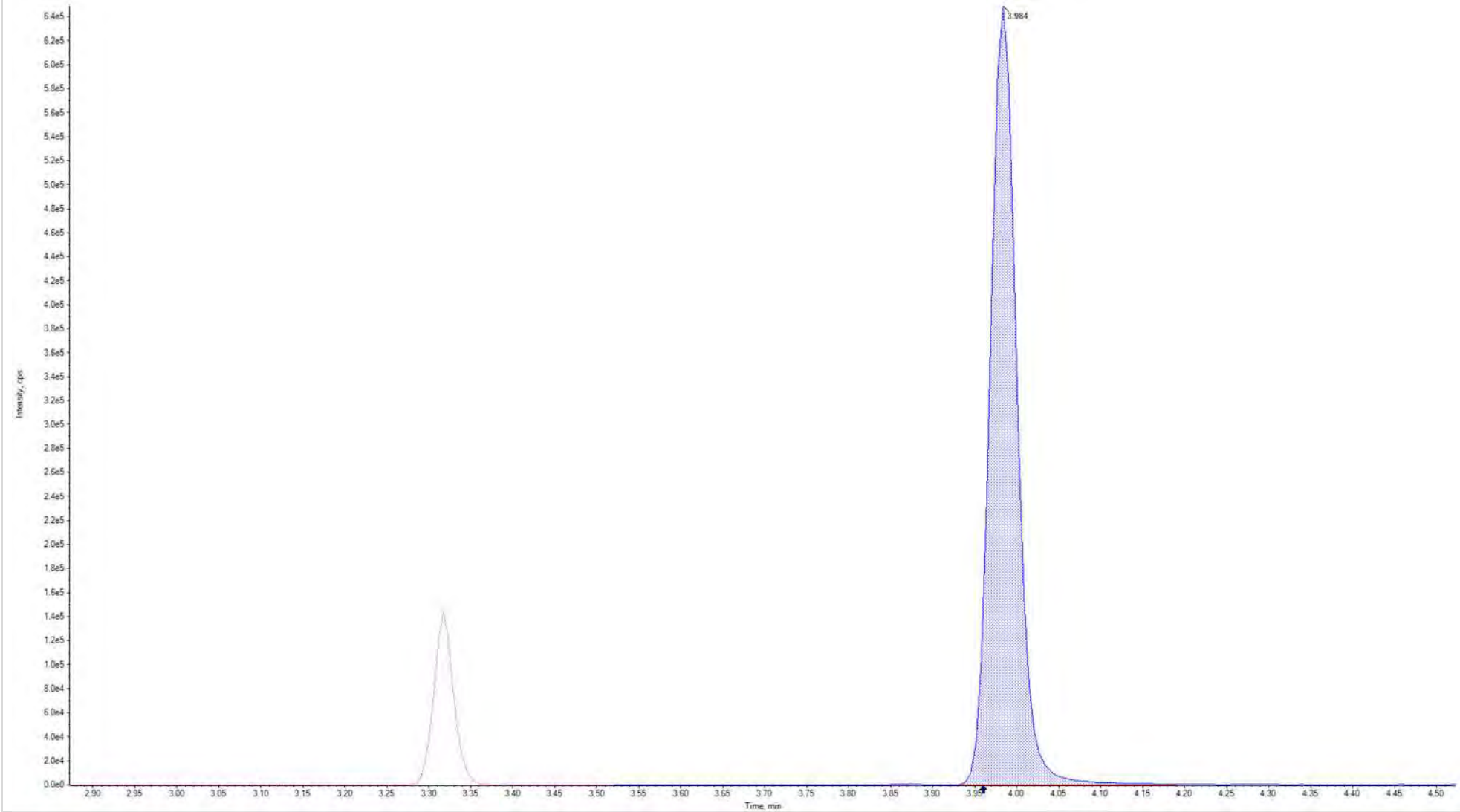
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_25.wiff2_10
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

5:3FTCA_2
Sample: WG2012727-5 S/N:6369.4 Points Across peak:41



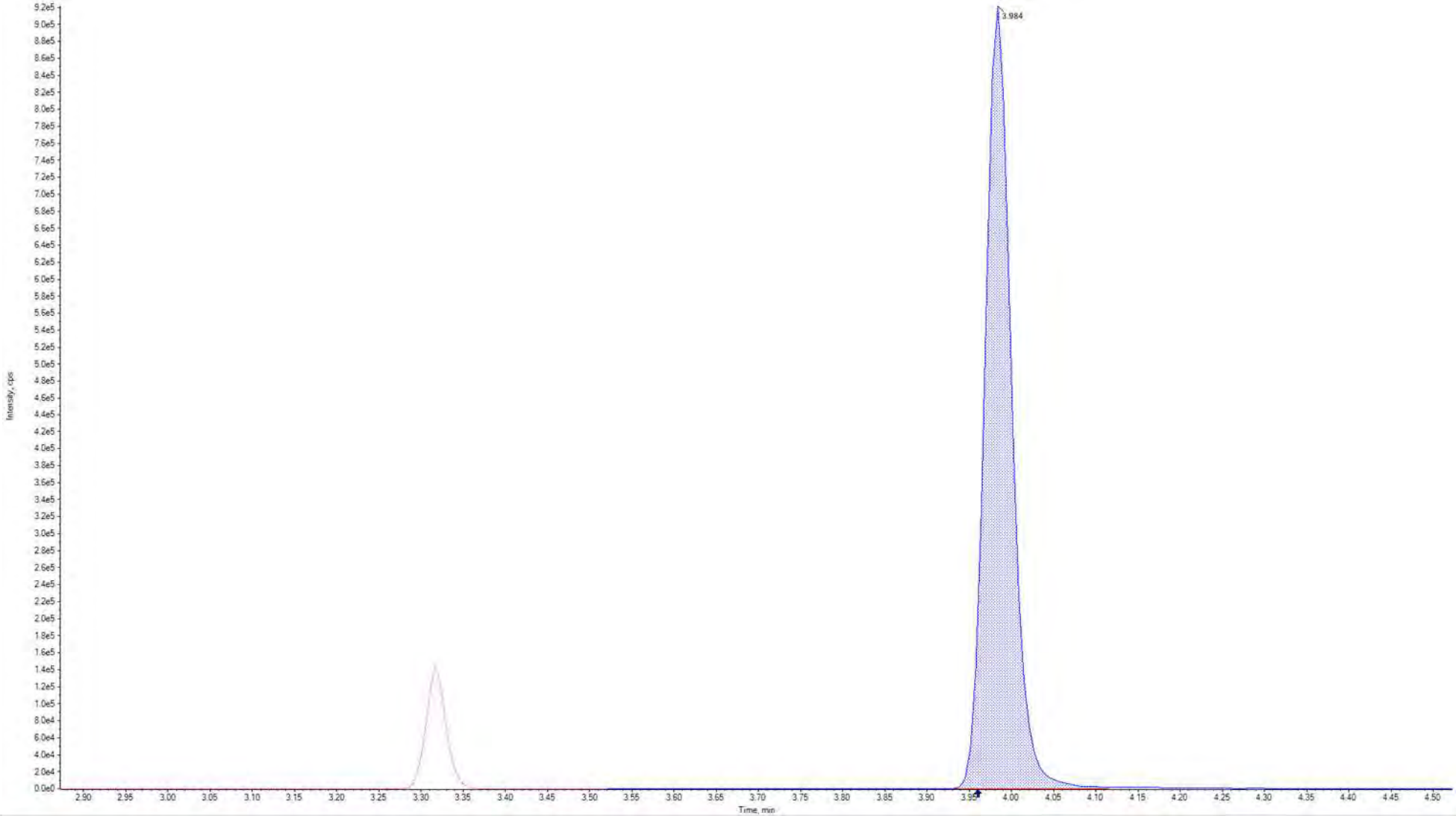
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_25.wiff2_10
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

7:3FTCA
Sample: WG2012727-5 S/N:17885.5 Points Across peak:44



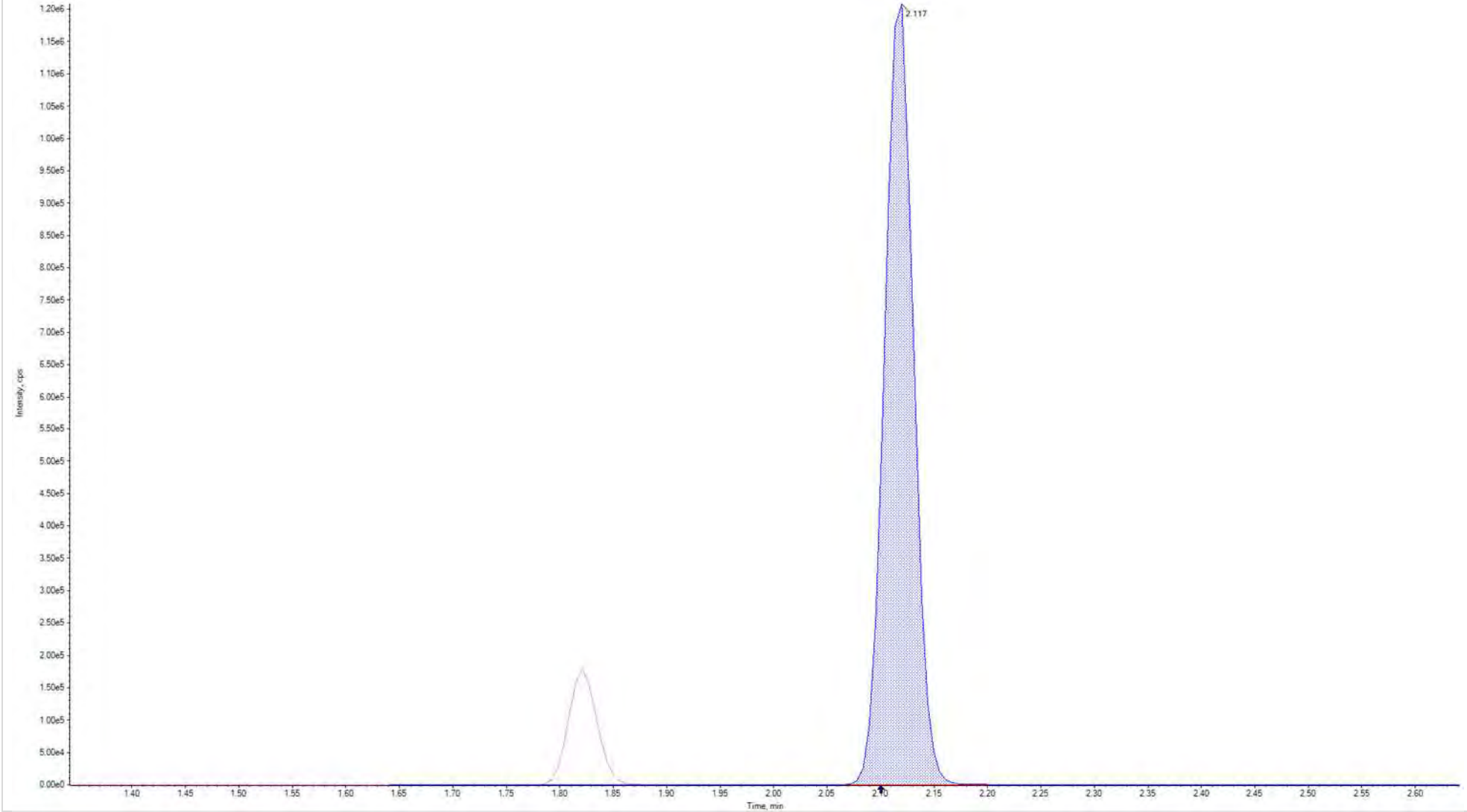
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_25.wiff2_10
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

7:3FTCA_2
Sample: WG2012727-5 S/N:25405.2 Points Across peak:33



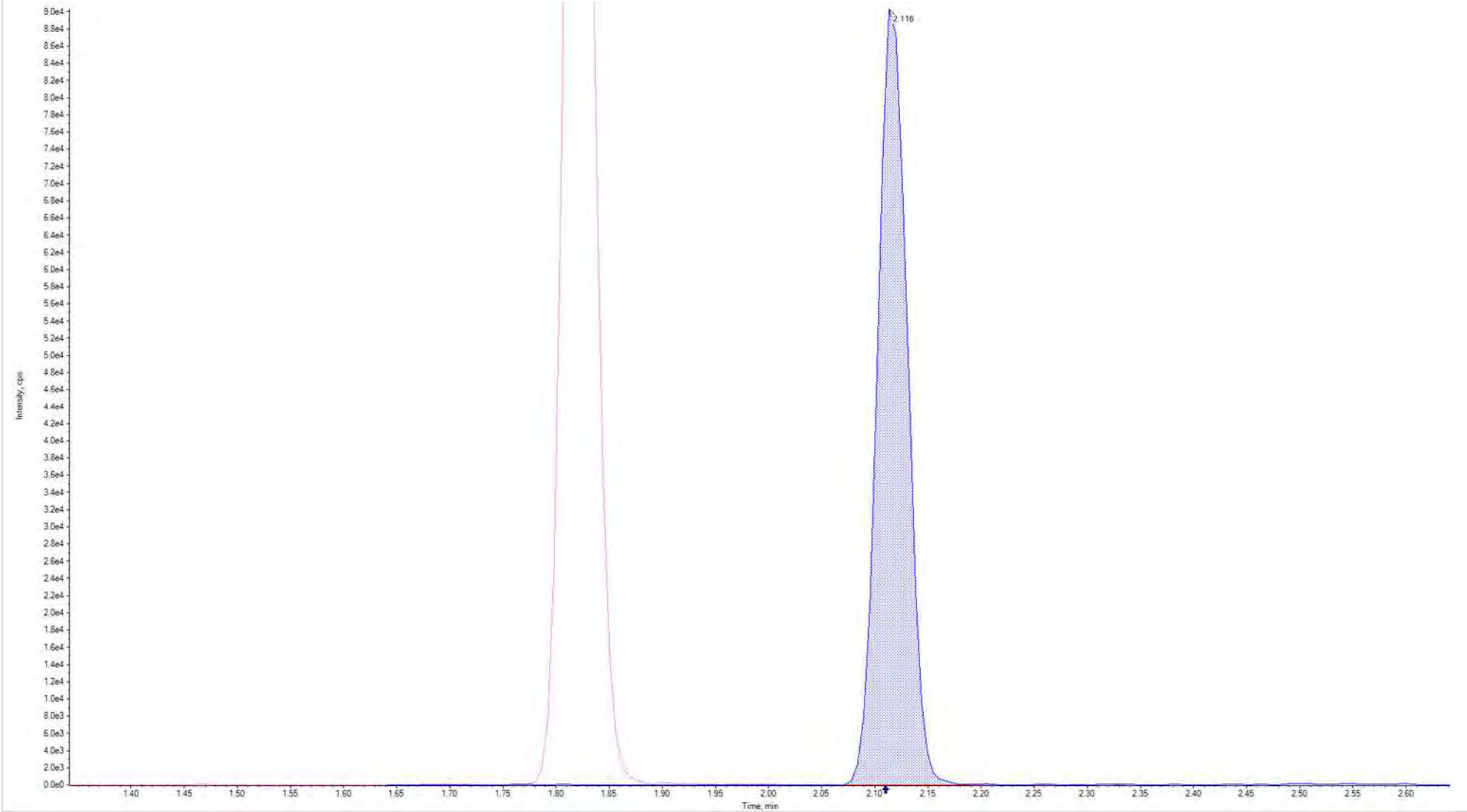
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_25.wiff2_10
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFEESA
Sample: WG2012727-5 S/N:27256.0 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_25.wiff2_10
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

PFEESA_2
Sample: WG2012727-5 S/N:2037.0 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_25.wiff2_10
Last Altered: 12/24/2024 7:52:08 AM
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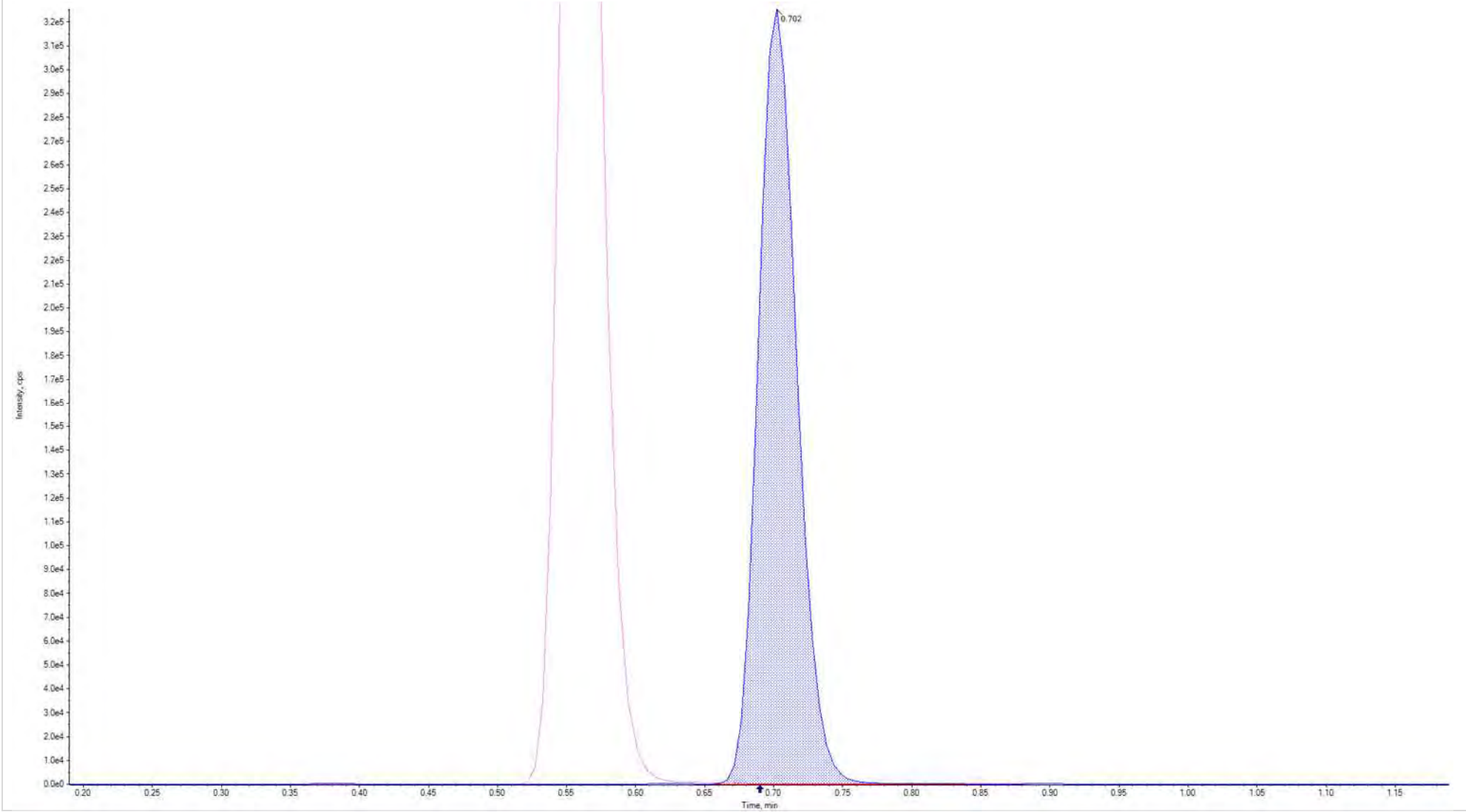
PFMPA
Sample: WG2012727-5 S/N:8577.9 Points Across peak:39



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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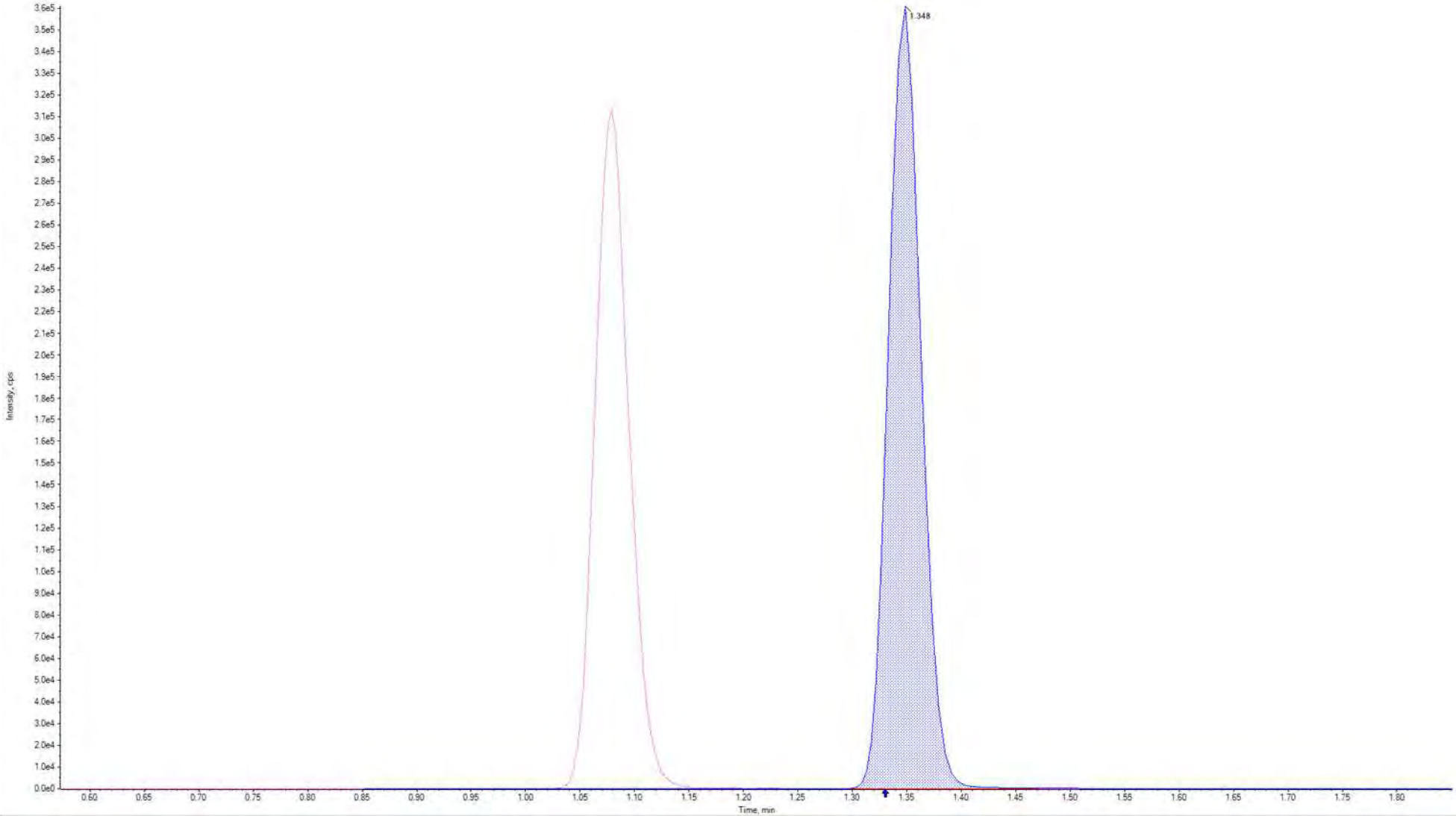
PFMBA
Sample: WG2012727-5 S/N:20806.3 Points Across peak:33



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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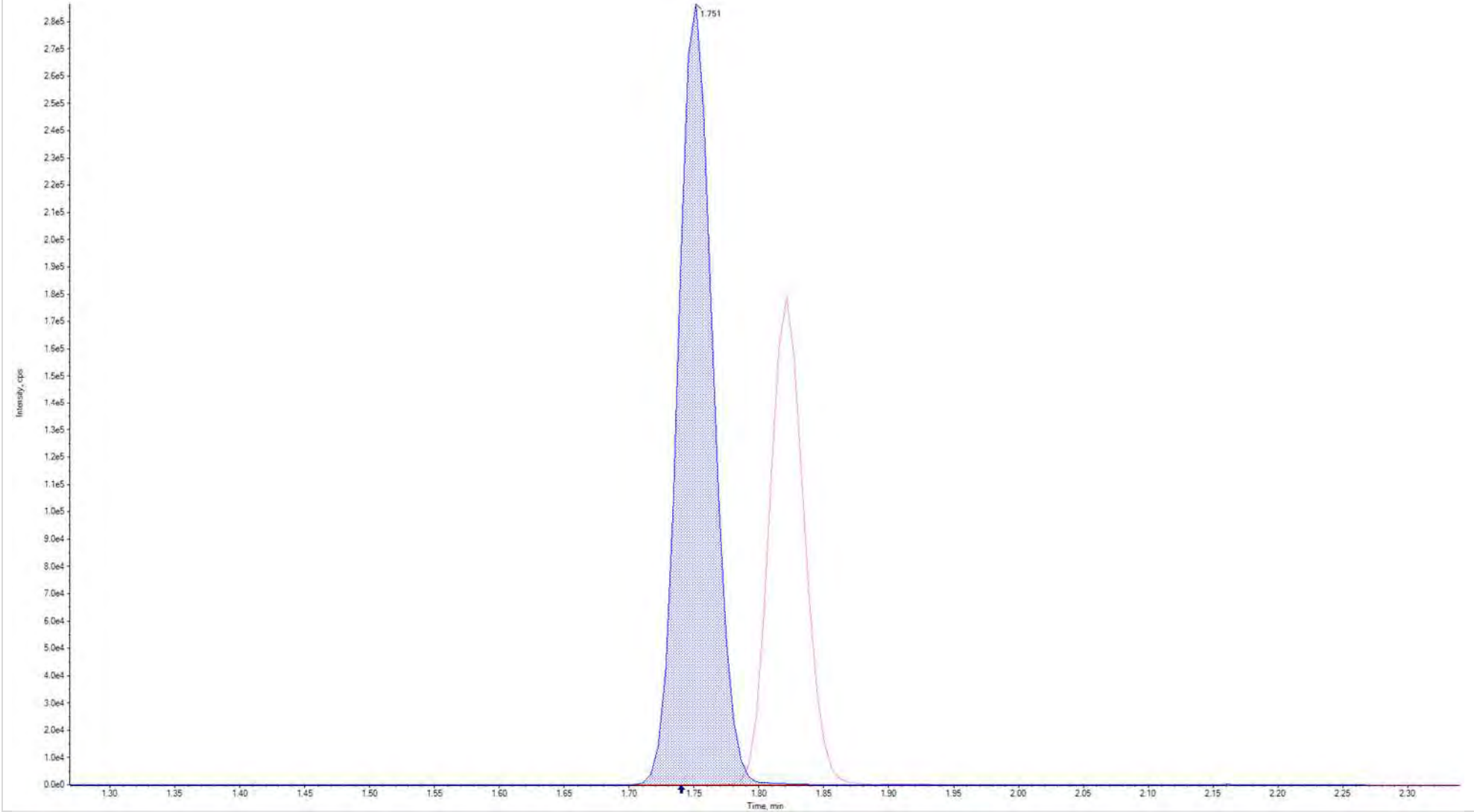
NFDHA
Sample: WG2012727-5 S/N:6794.4 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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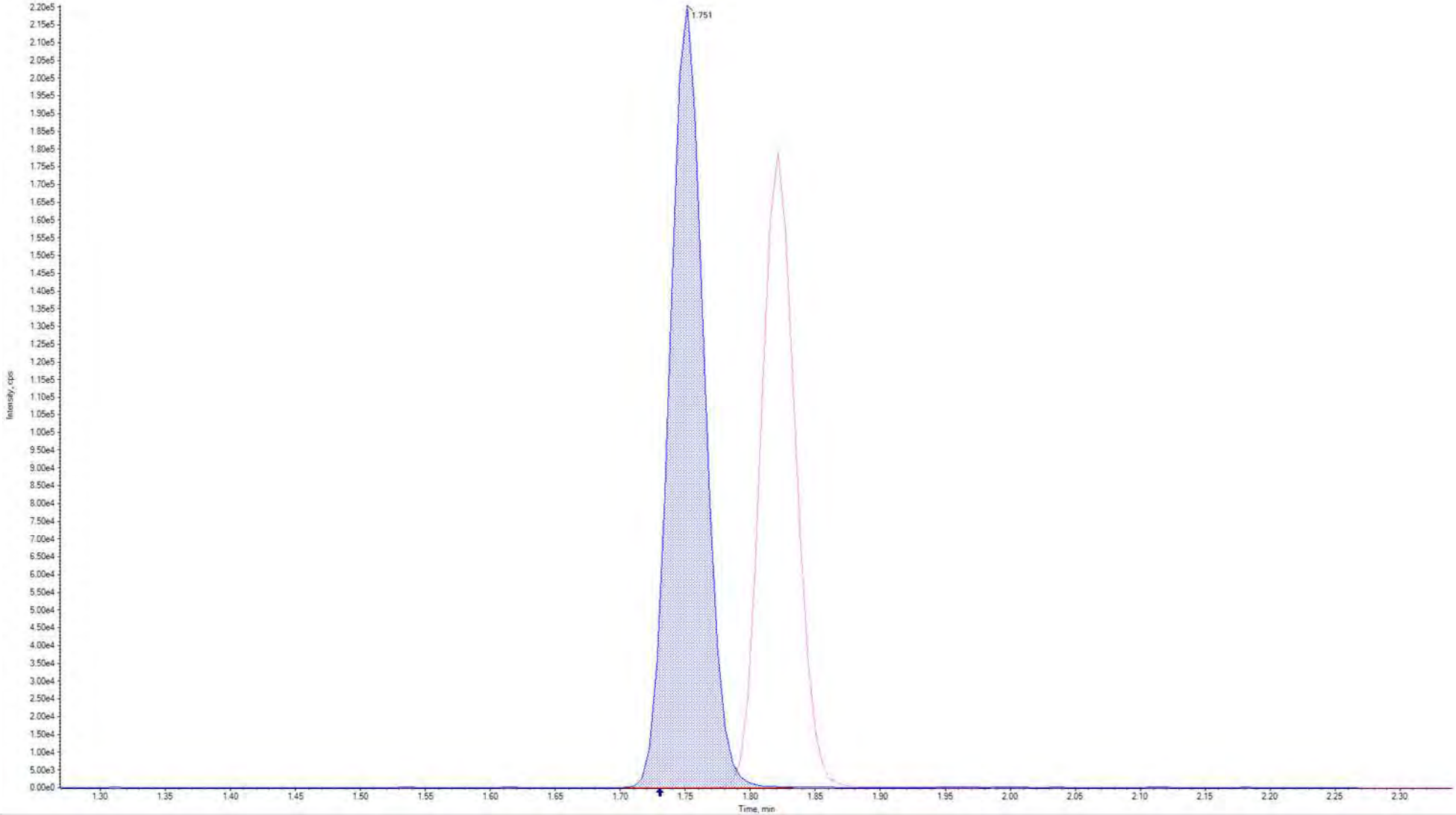
NFDHA_2
Sample: WG2012727-5 S/N:6079.0 Points Across peak:26



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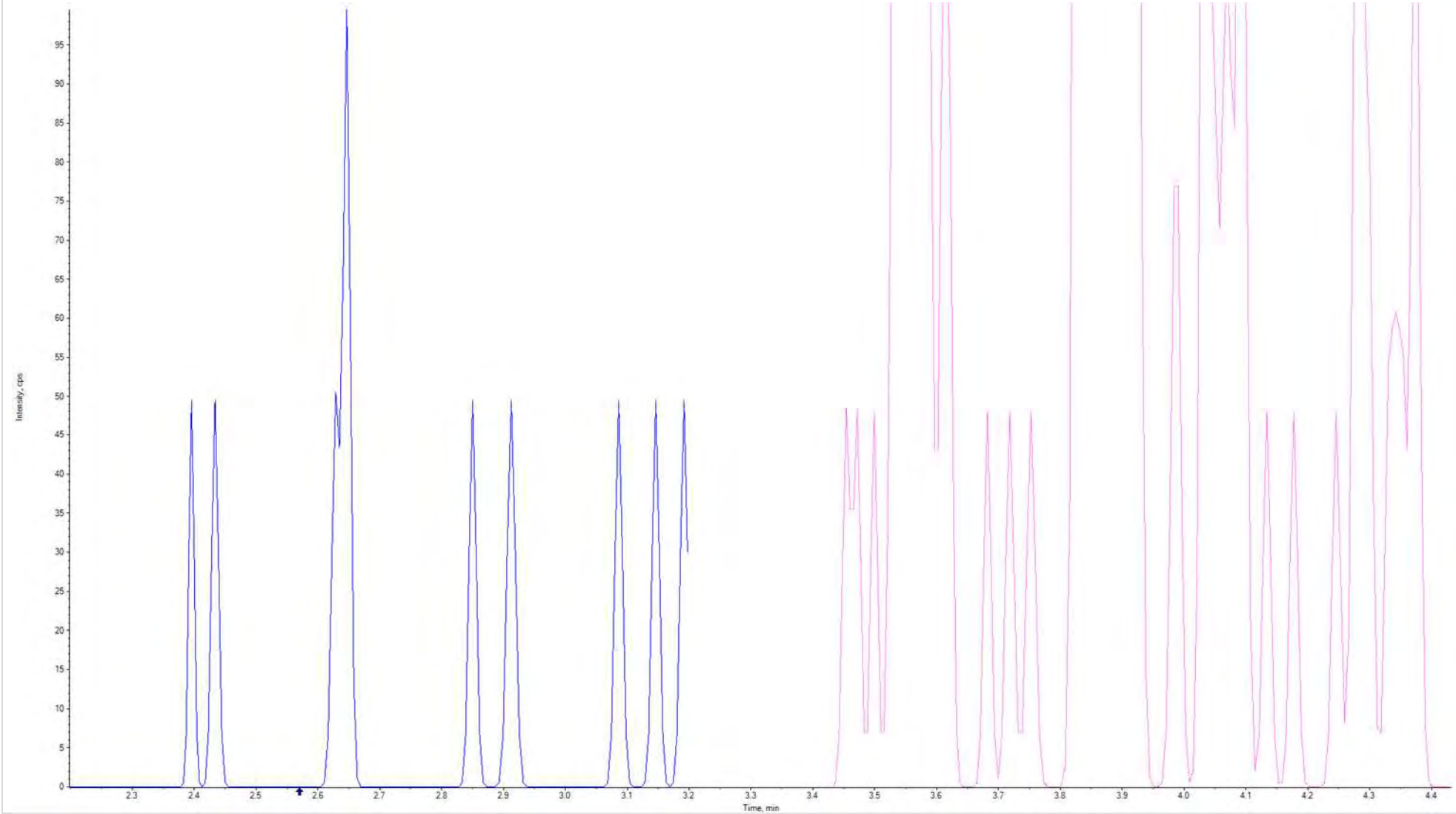
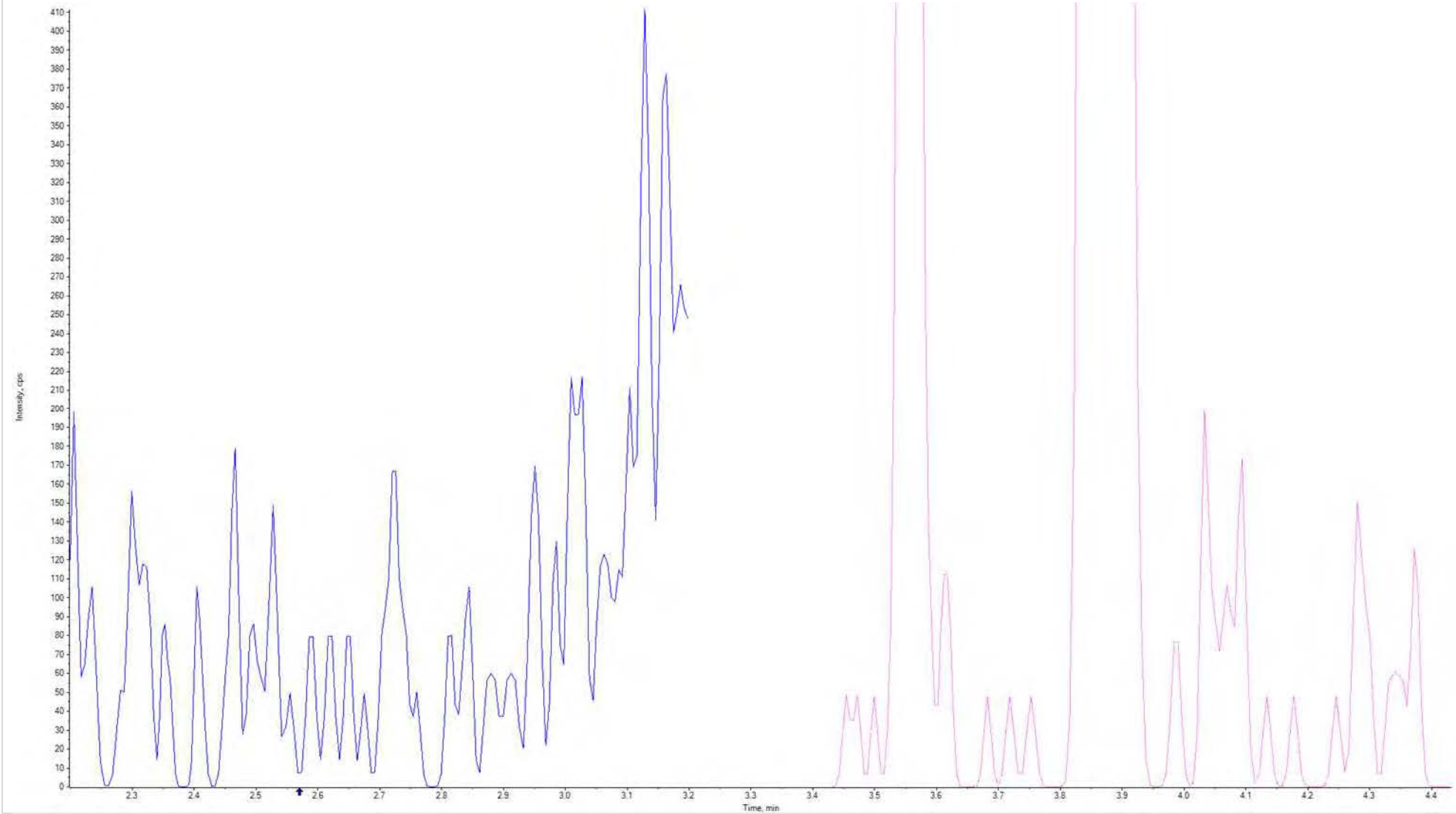
TDCA
Sample: WG2012727-5 S/N:N/A Points Across peak:N/A



TDCA_2
Sample: WG2012727-5 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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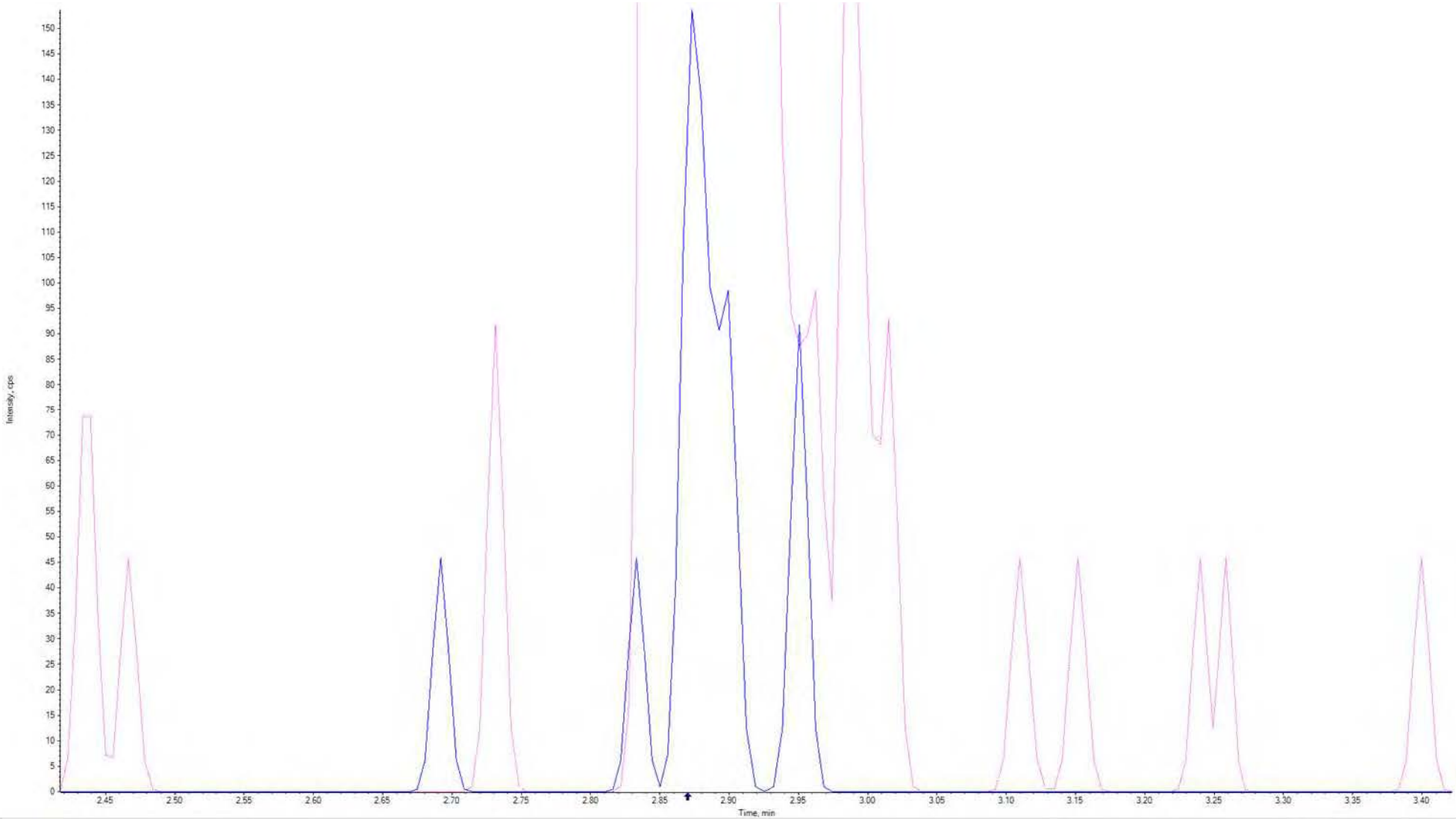
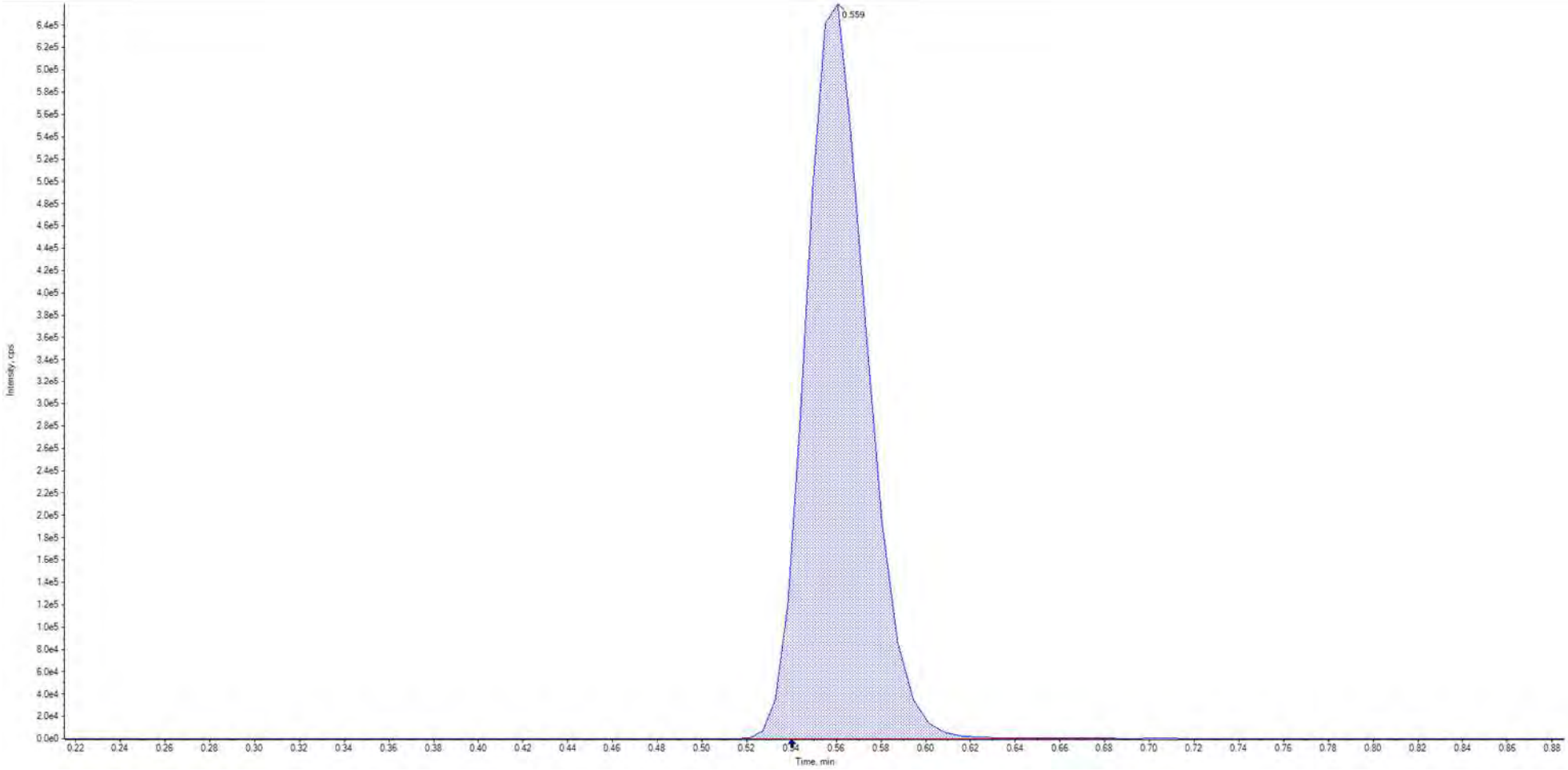
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

13C2D4-4:2FTS
Sample: WG2012727-5 S/N:N/A Points Across peak:N/A

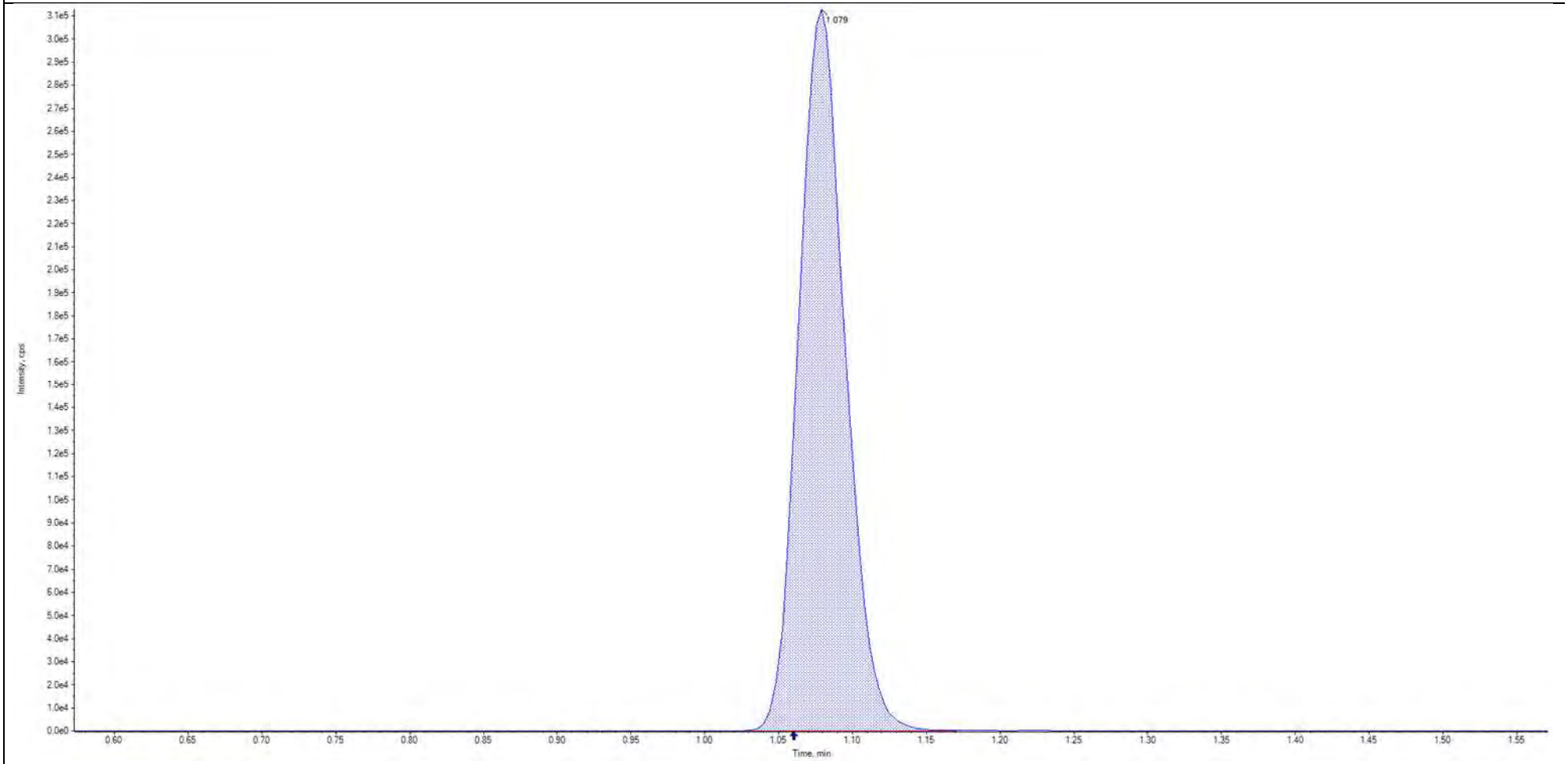
13C2-PFOA
Sample: WG2012727-5 S/N:N/A Points Across peak:N/A



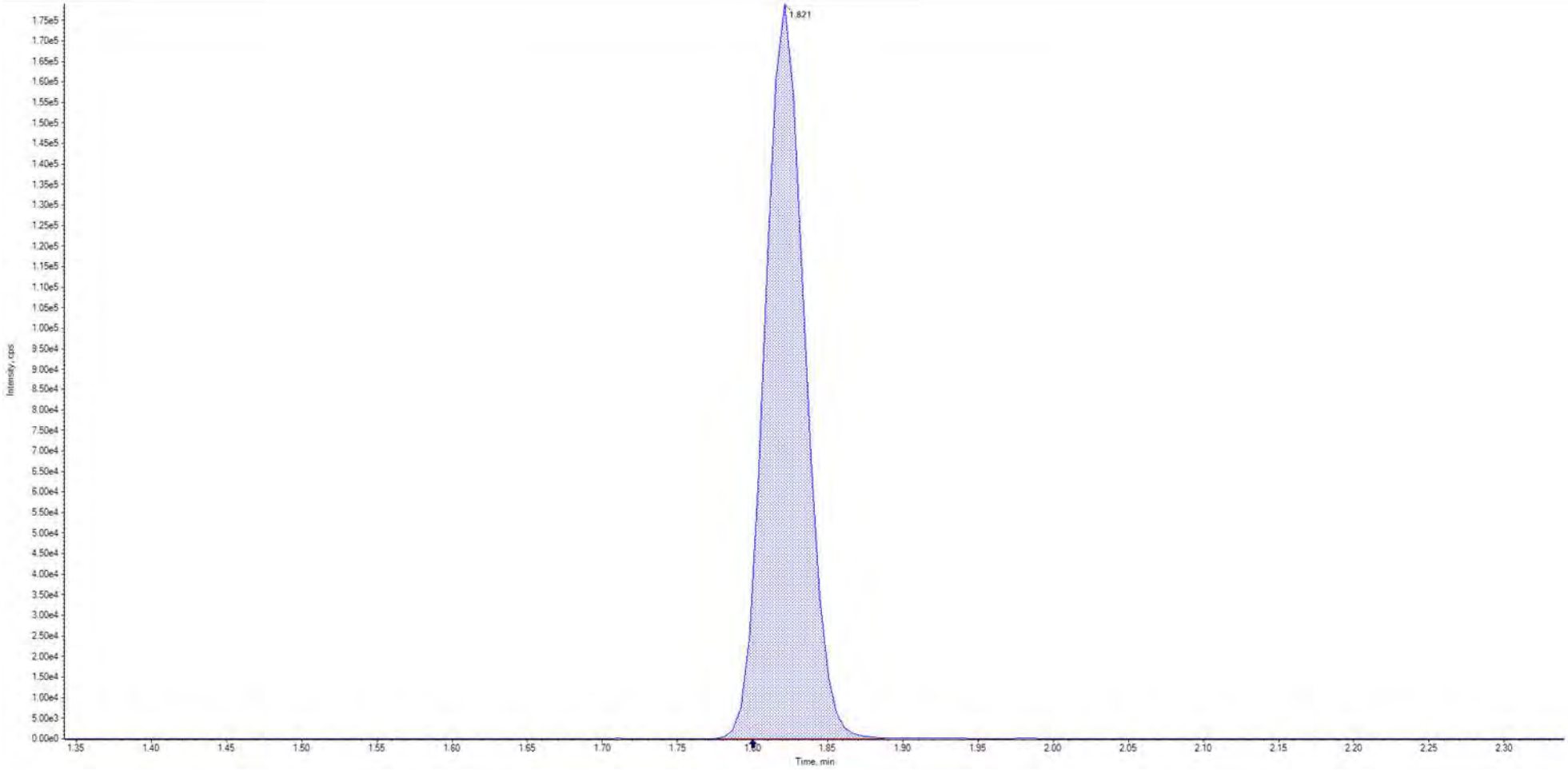
13C4-PFBA
Sample: WG2012727-5



13C5-PFPeA
Sample: WG2012727-5



13C5-PFHxA
Sample: WG2012727-5



13C4-PFHpA
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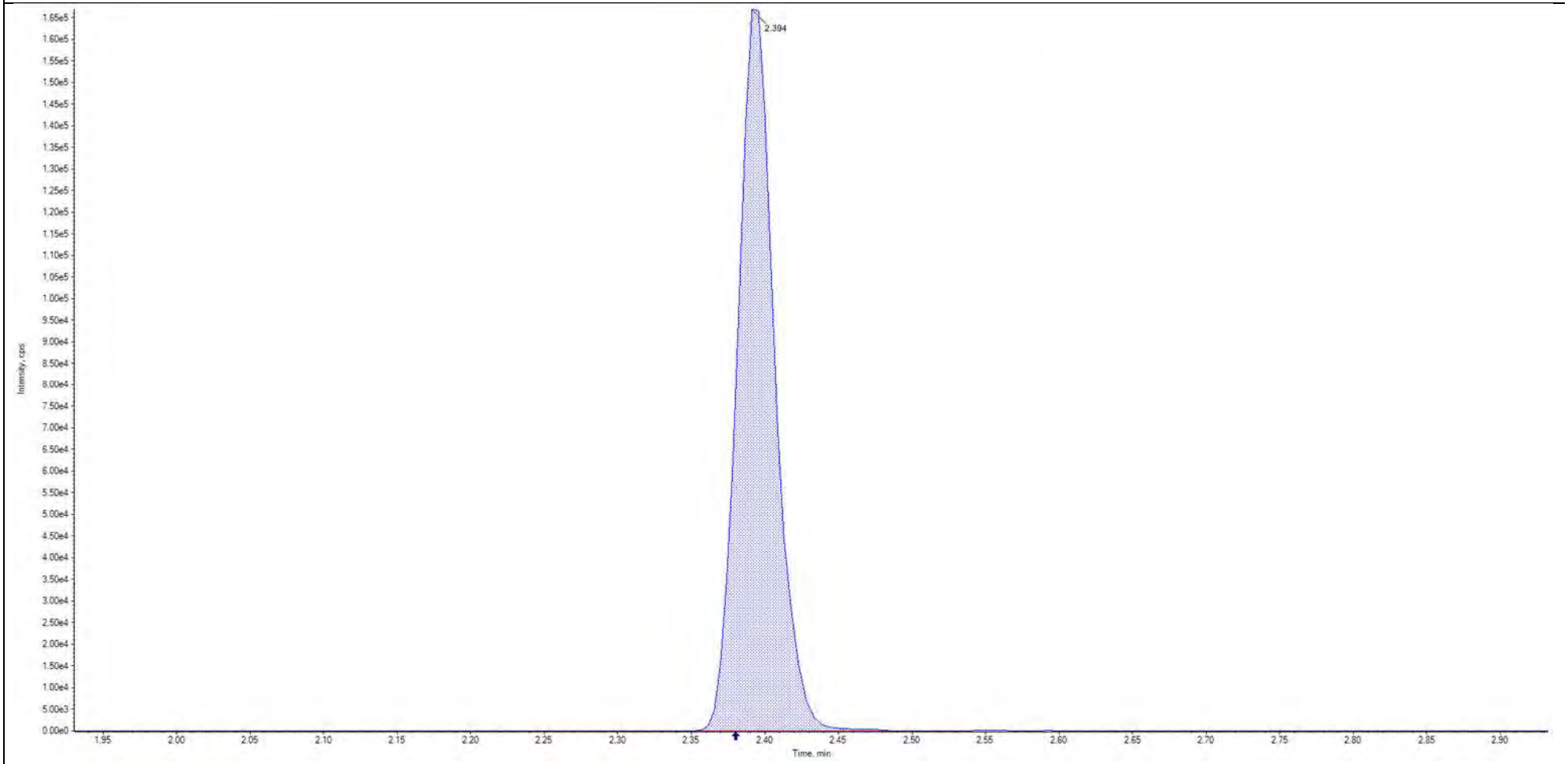
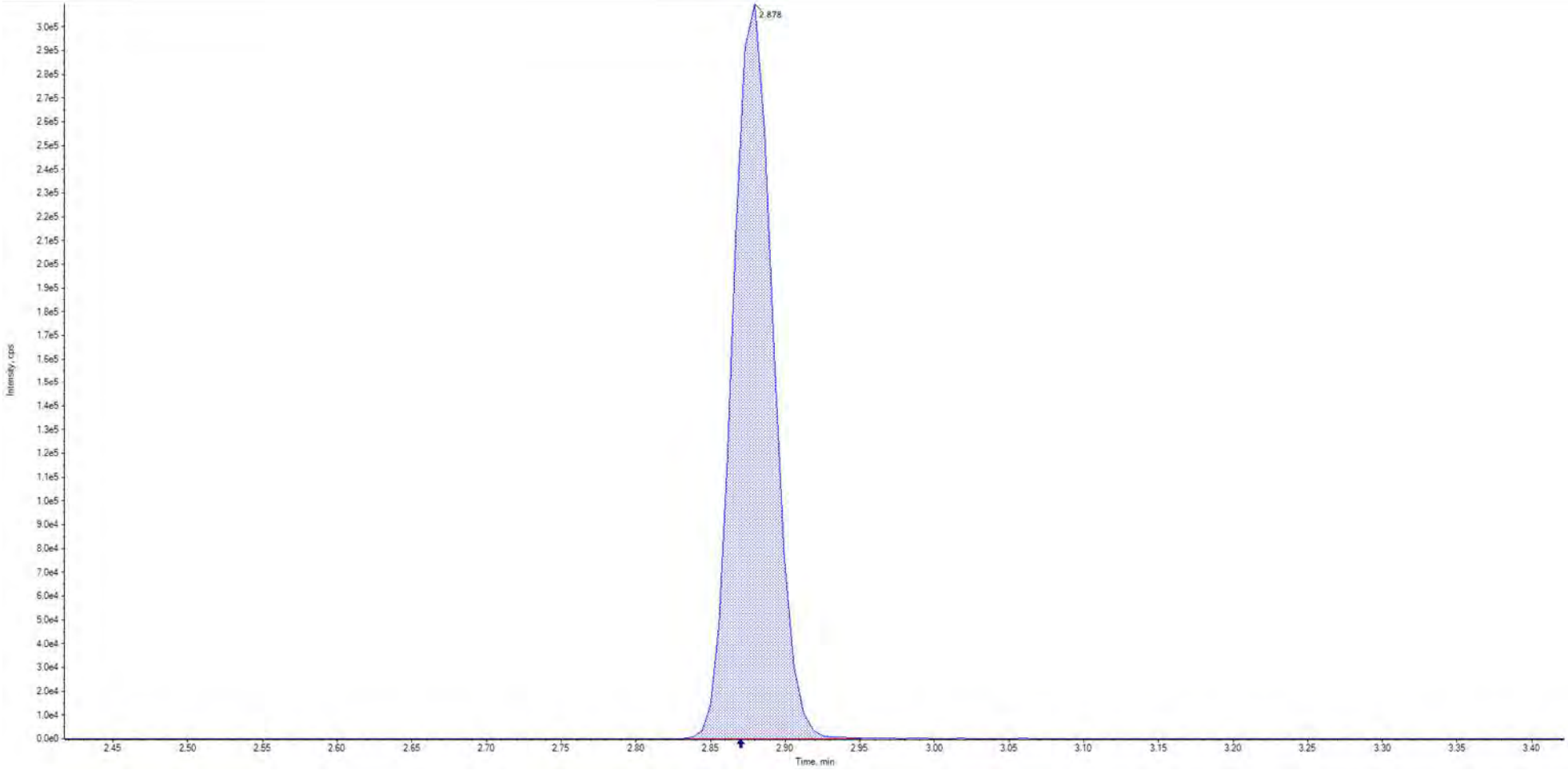
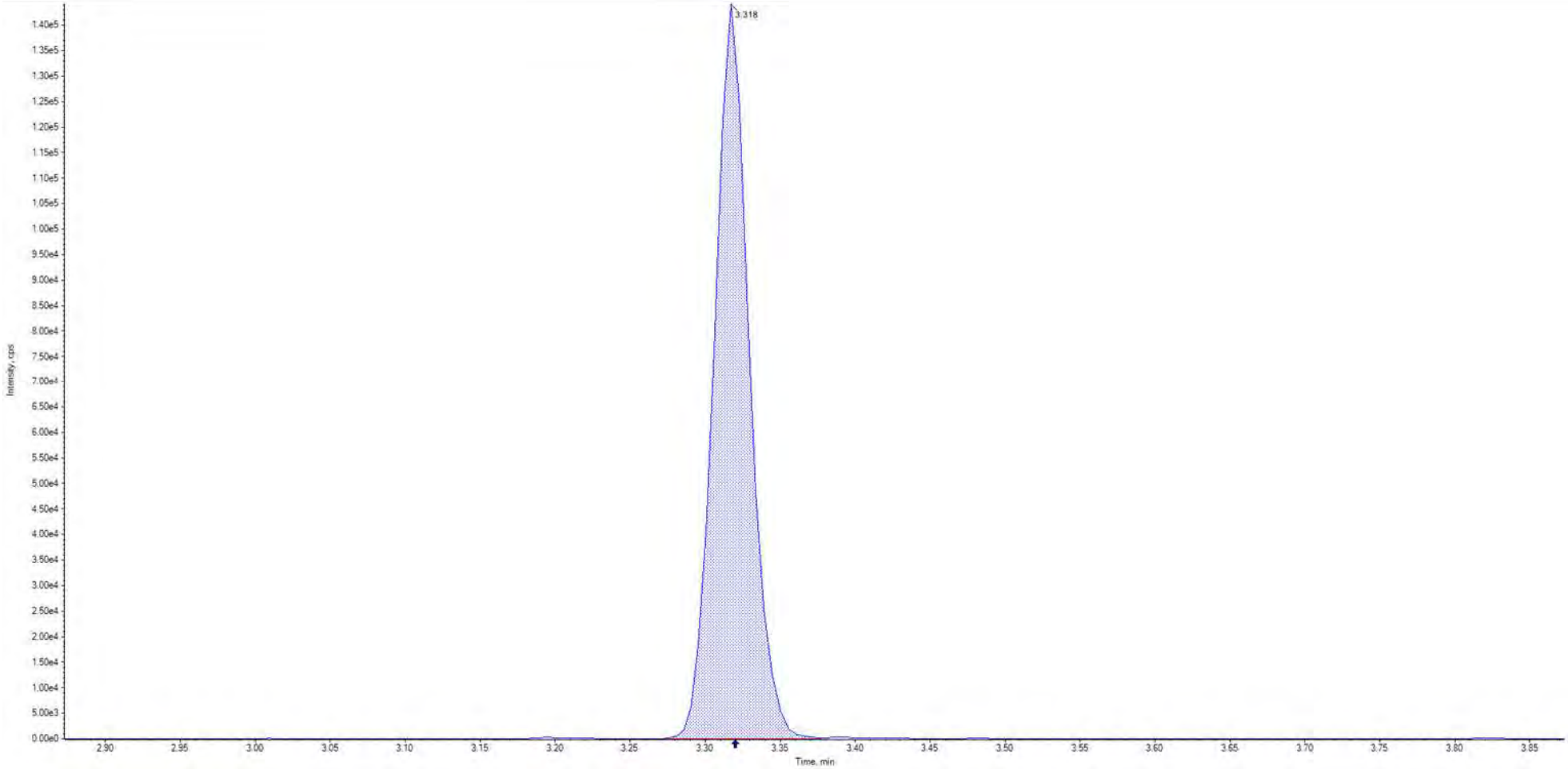


13C8-PFOA
Sample: WG2012727-5



13C9-PFNA
Sample: WG2012727-5



13C6-PFDA
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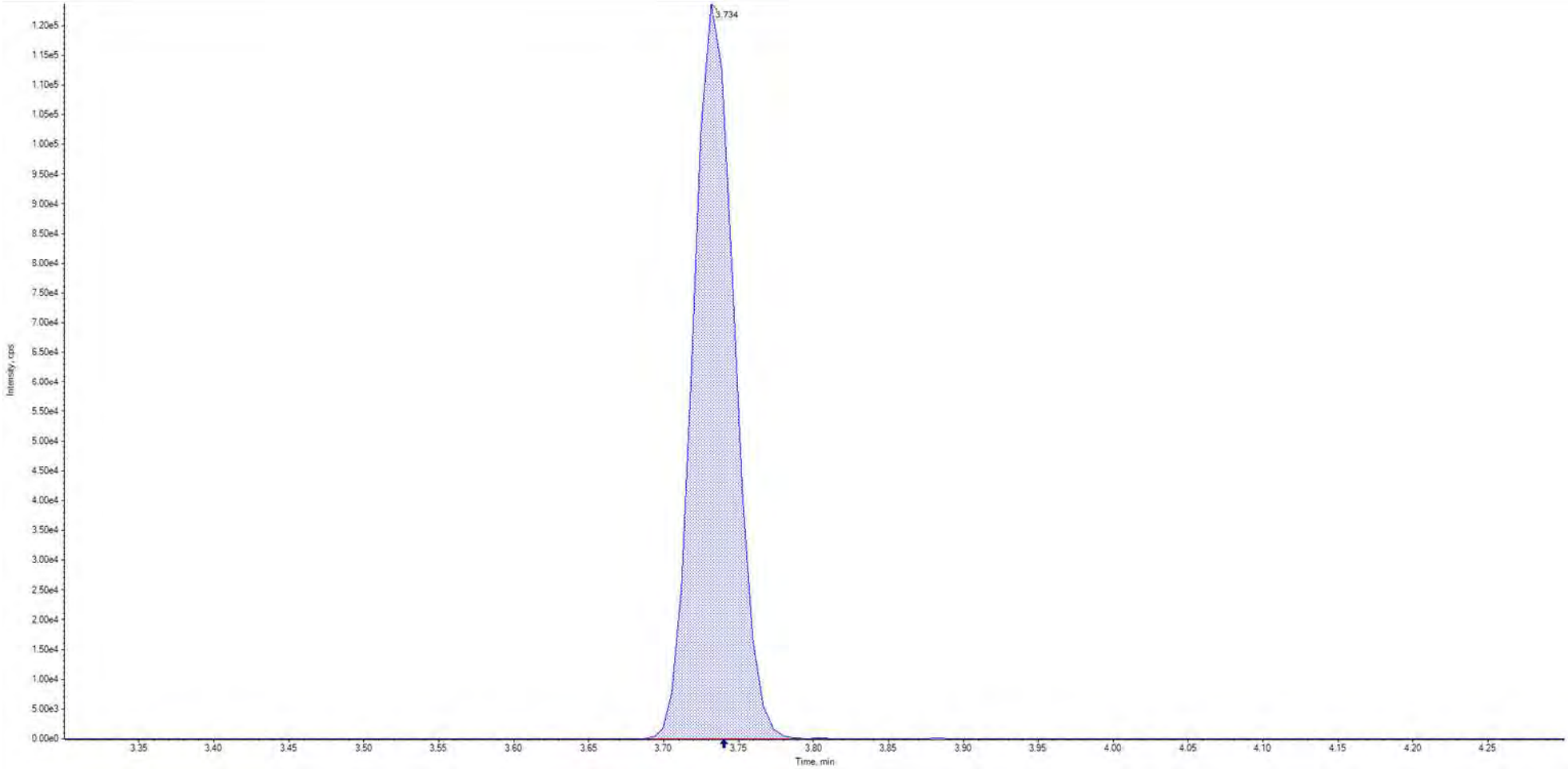
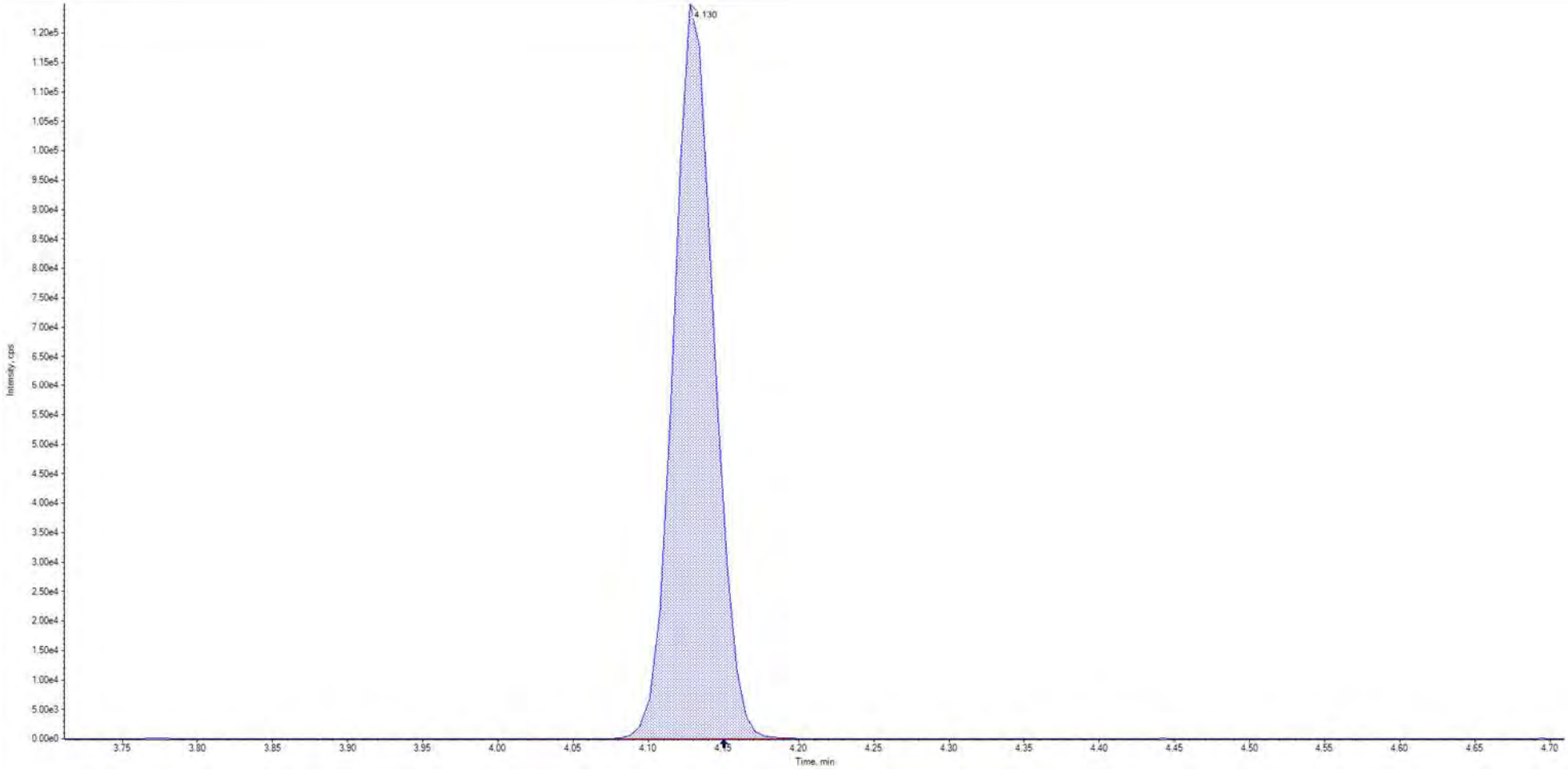
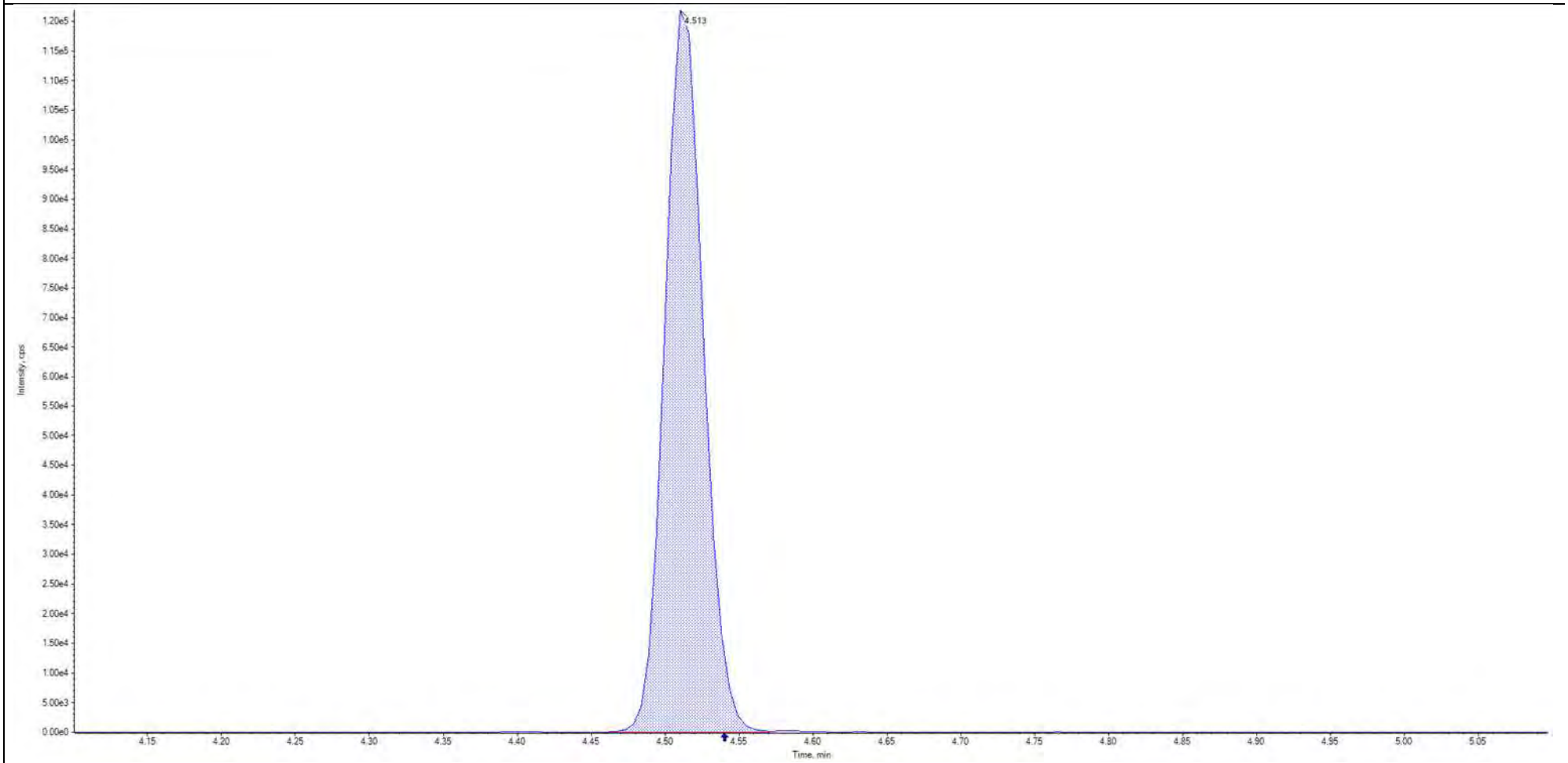


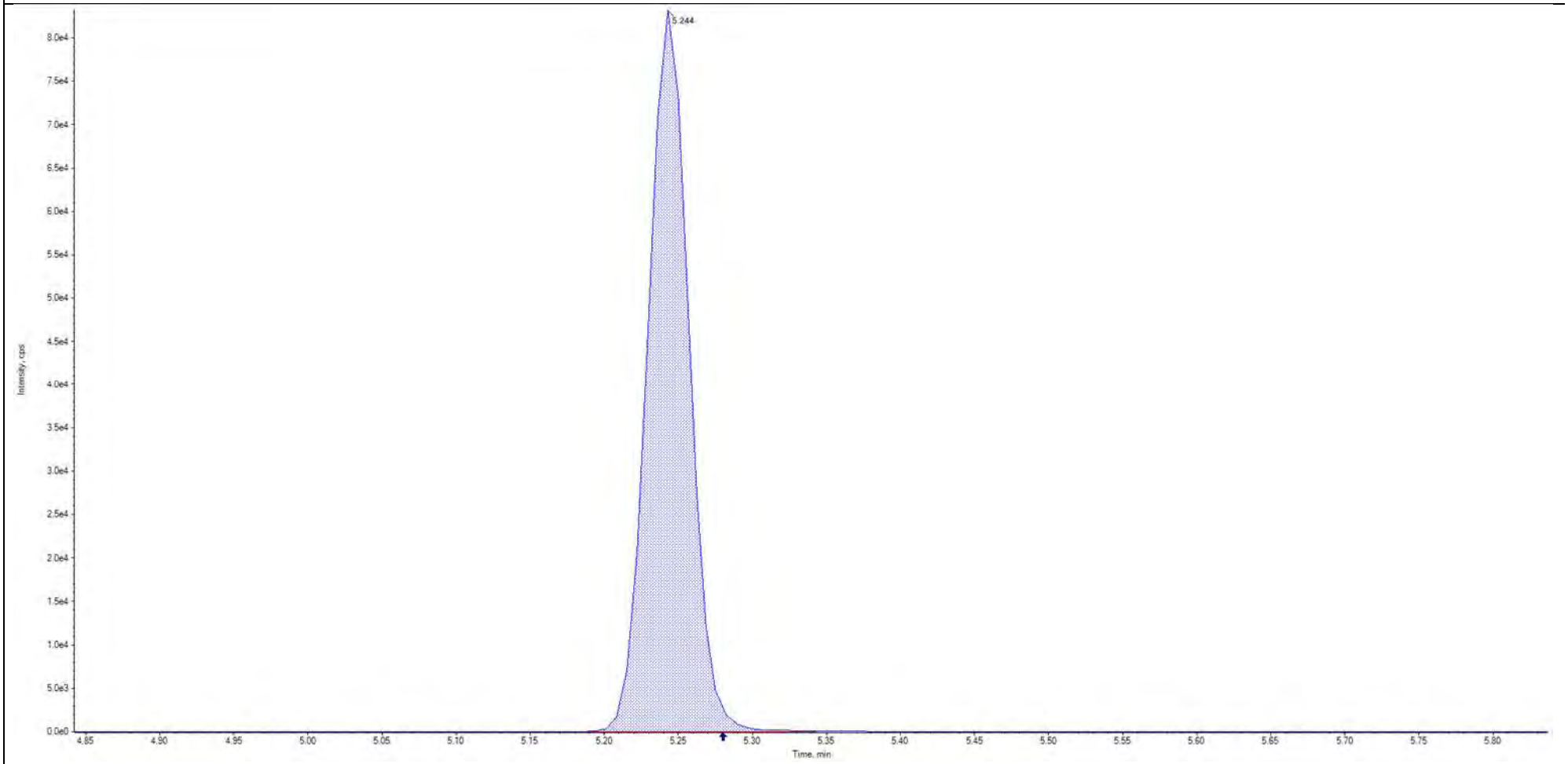
13C7-PFUnA
Sample: WG2012727-5



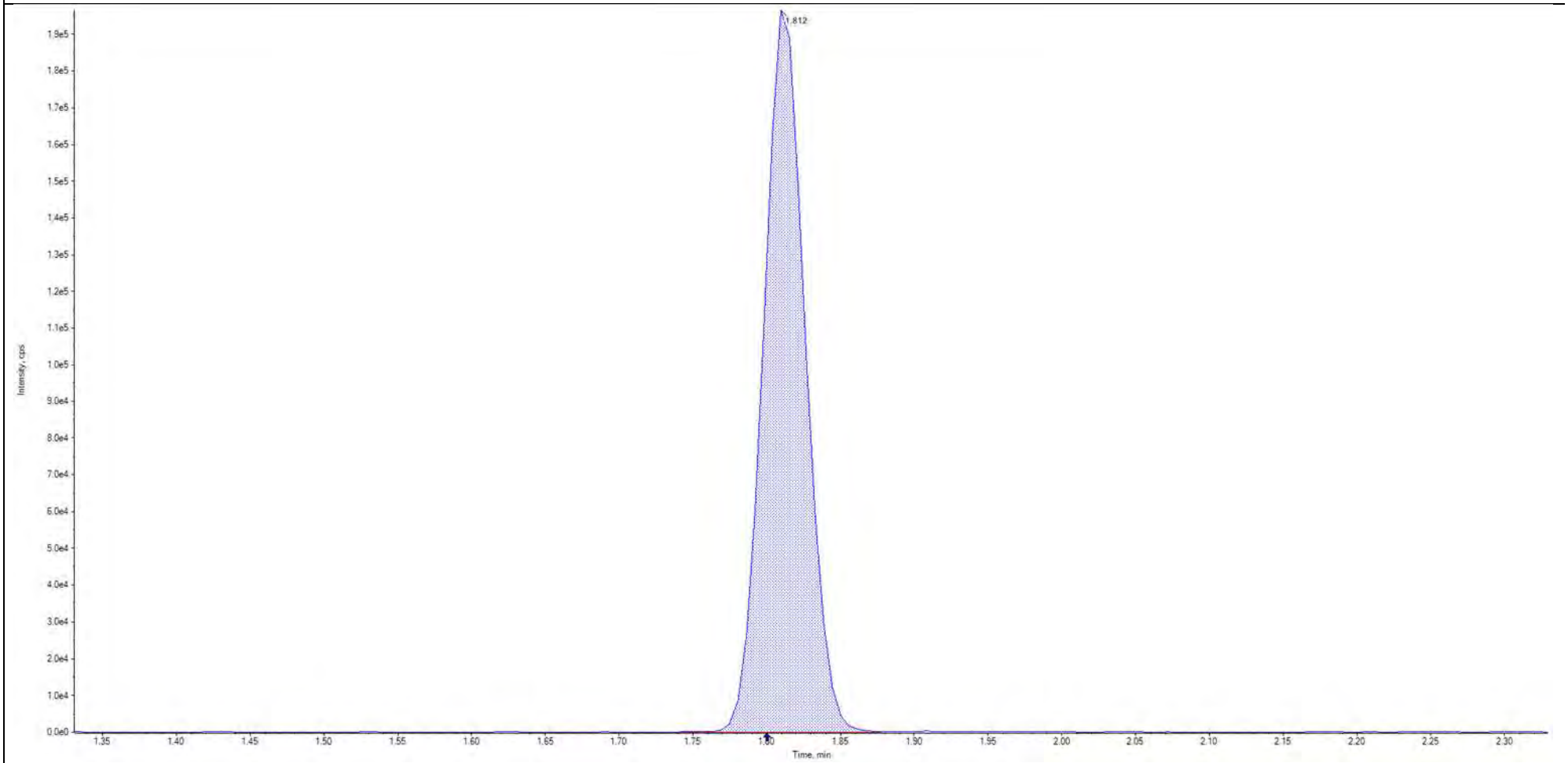
13C2-PFDoA
Sample: WG2012727-5



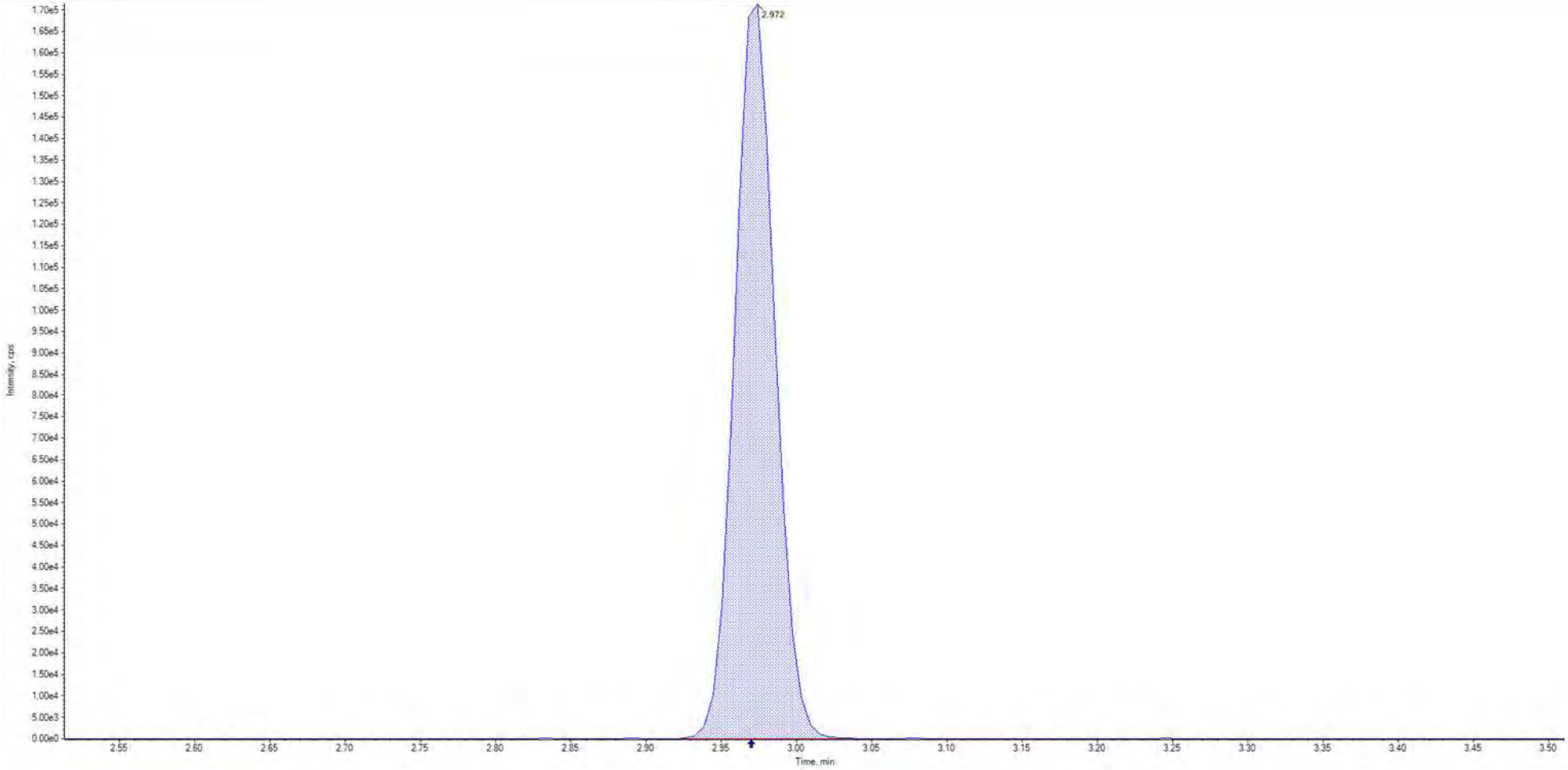
13C2-PFTeDA
Sample: WG2012727-5



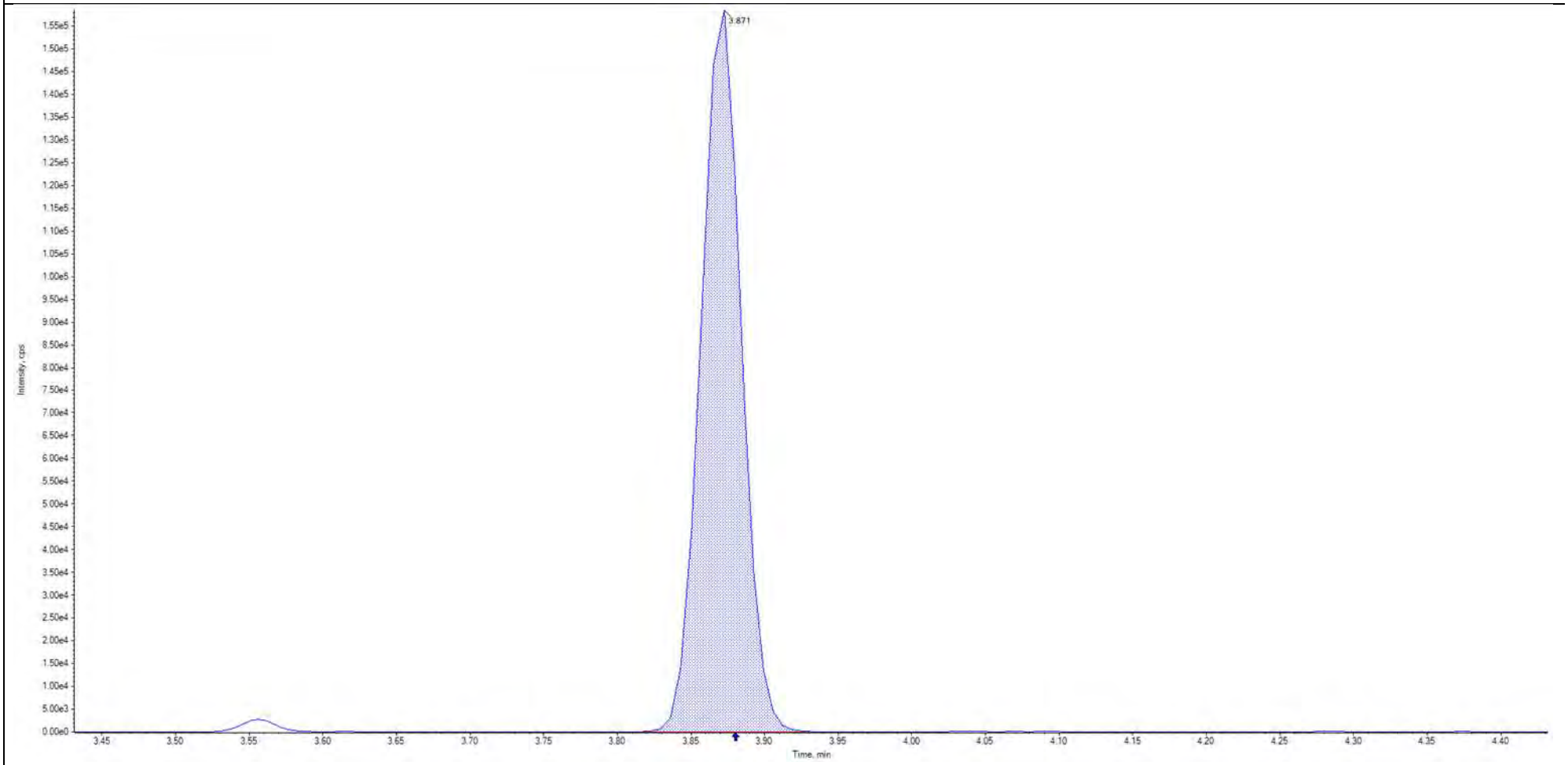
13C3-PFBS
Sample: WG2012727-5



13C3-PFHxS
Sample: WG2012727-5



13C8-PFOS
Sample: WG2012727-5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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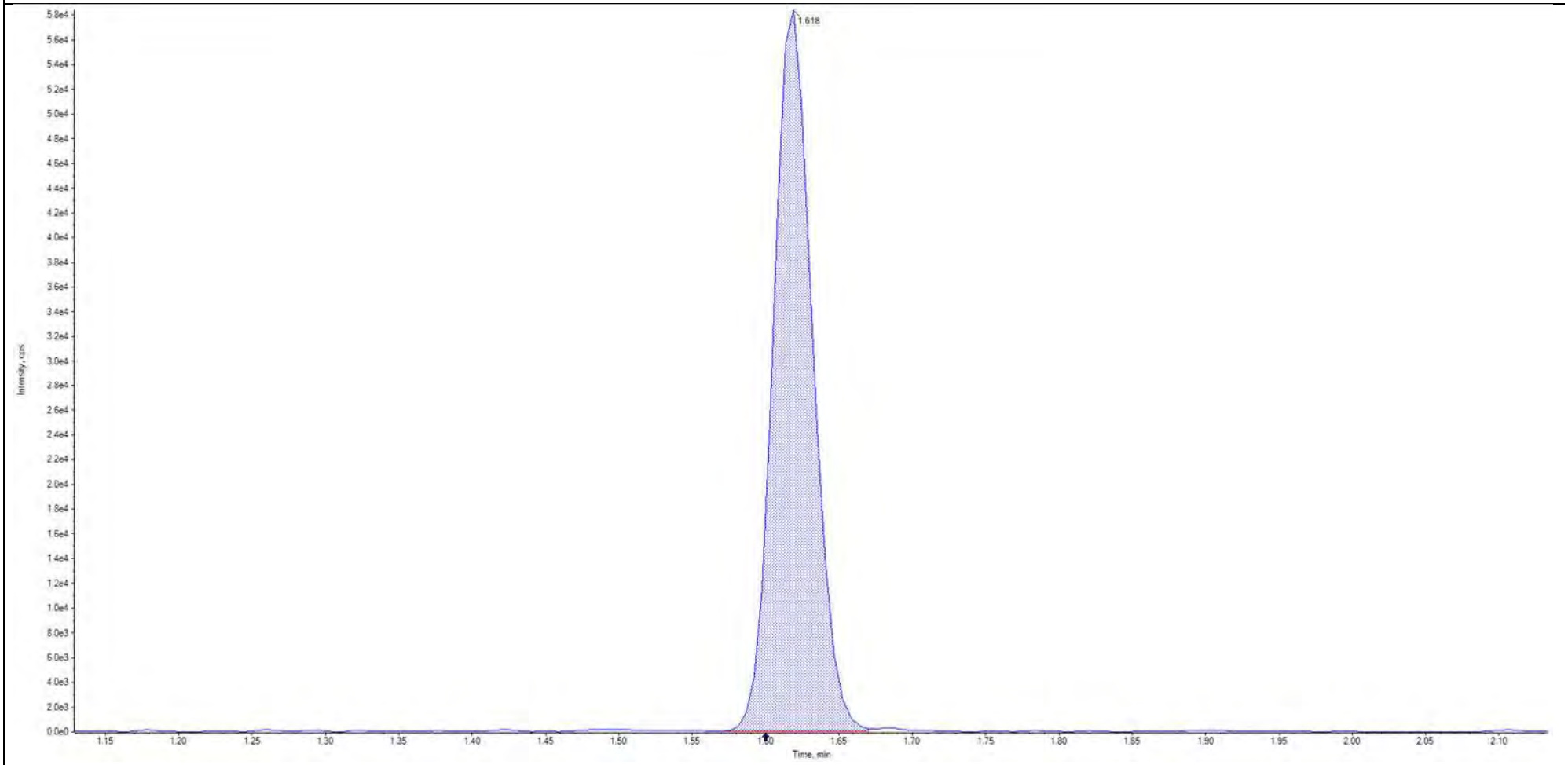
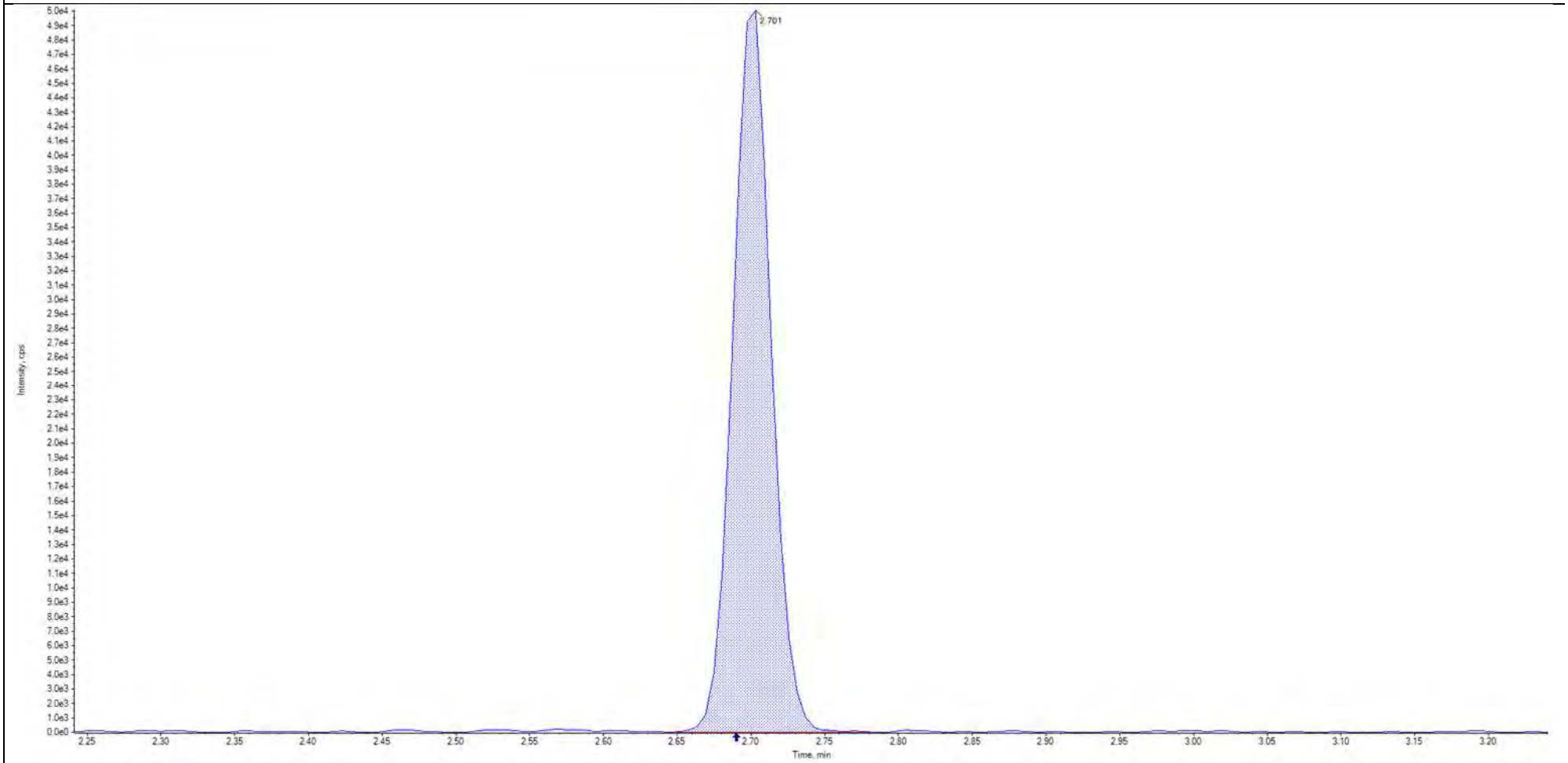
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

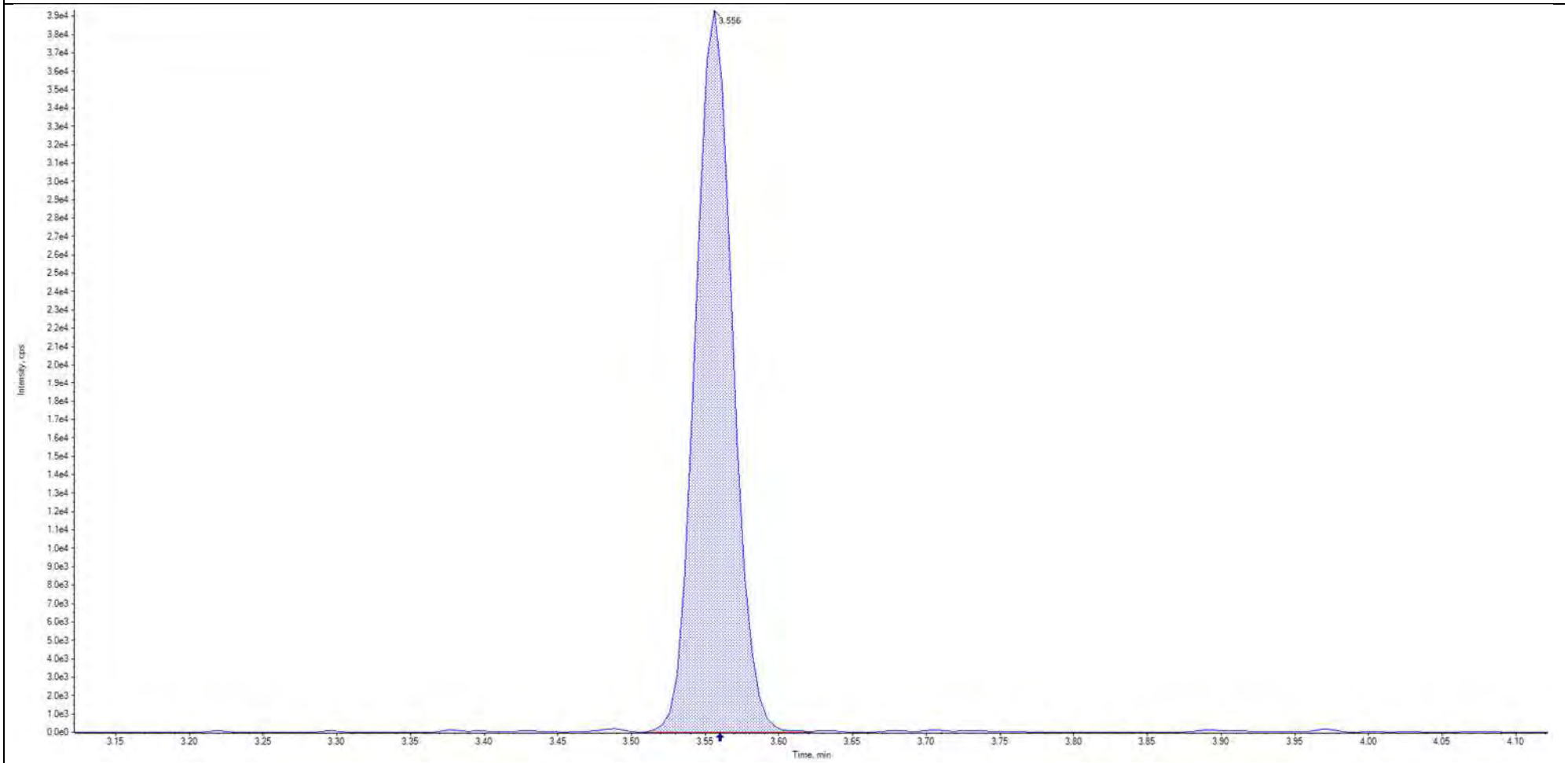
13C2-4:2FTS
Sample: WG2012727-5



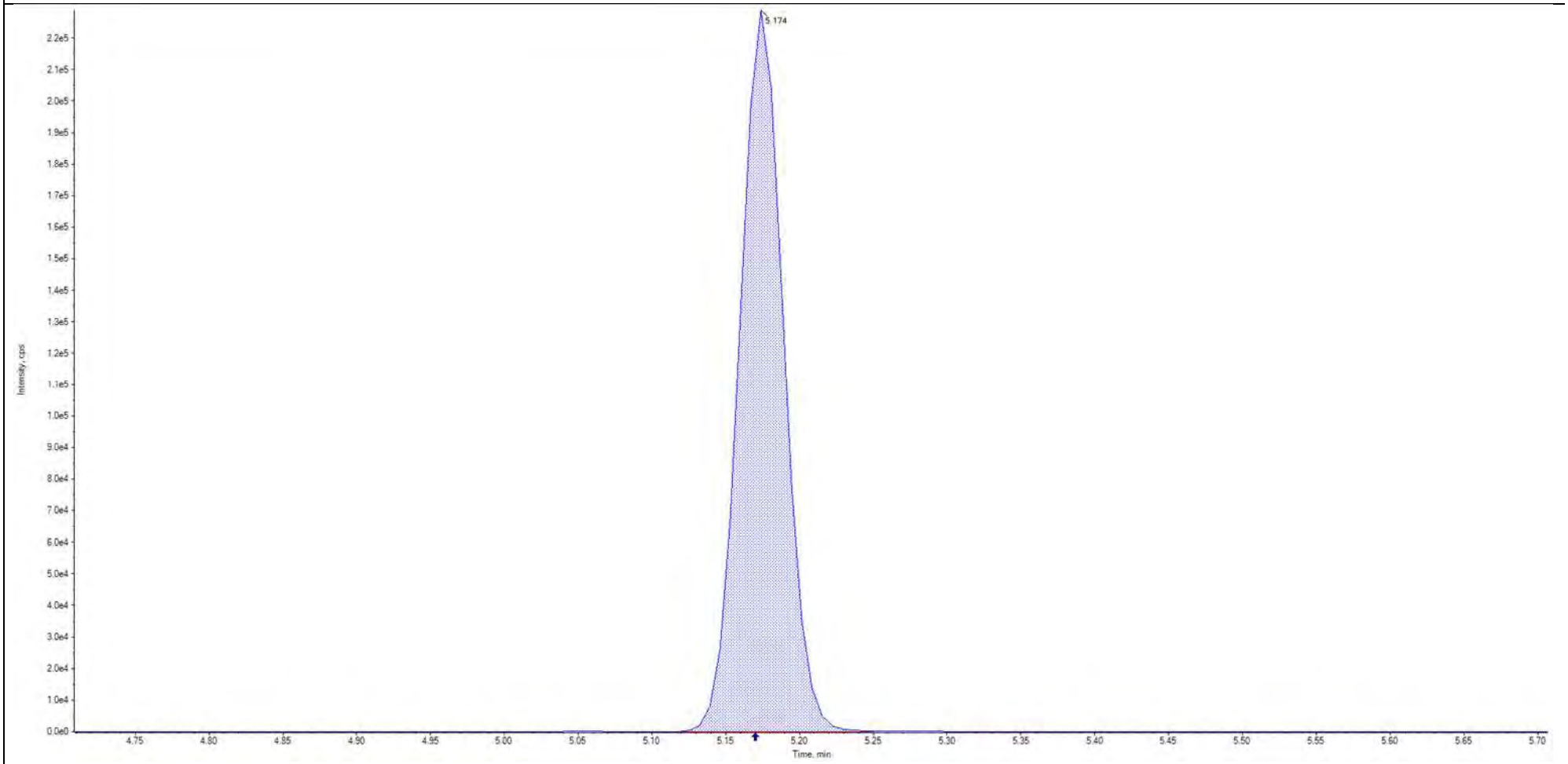
13C2-6:2FTS
Sample: WG2012727-5



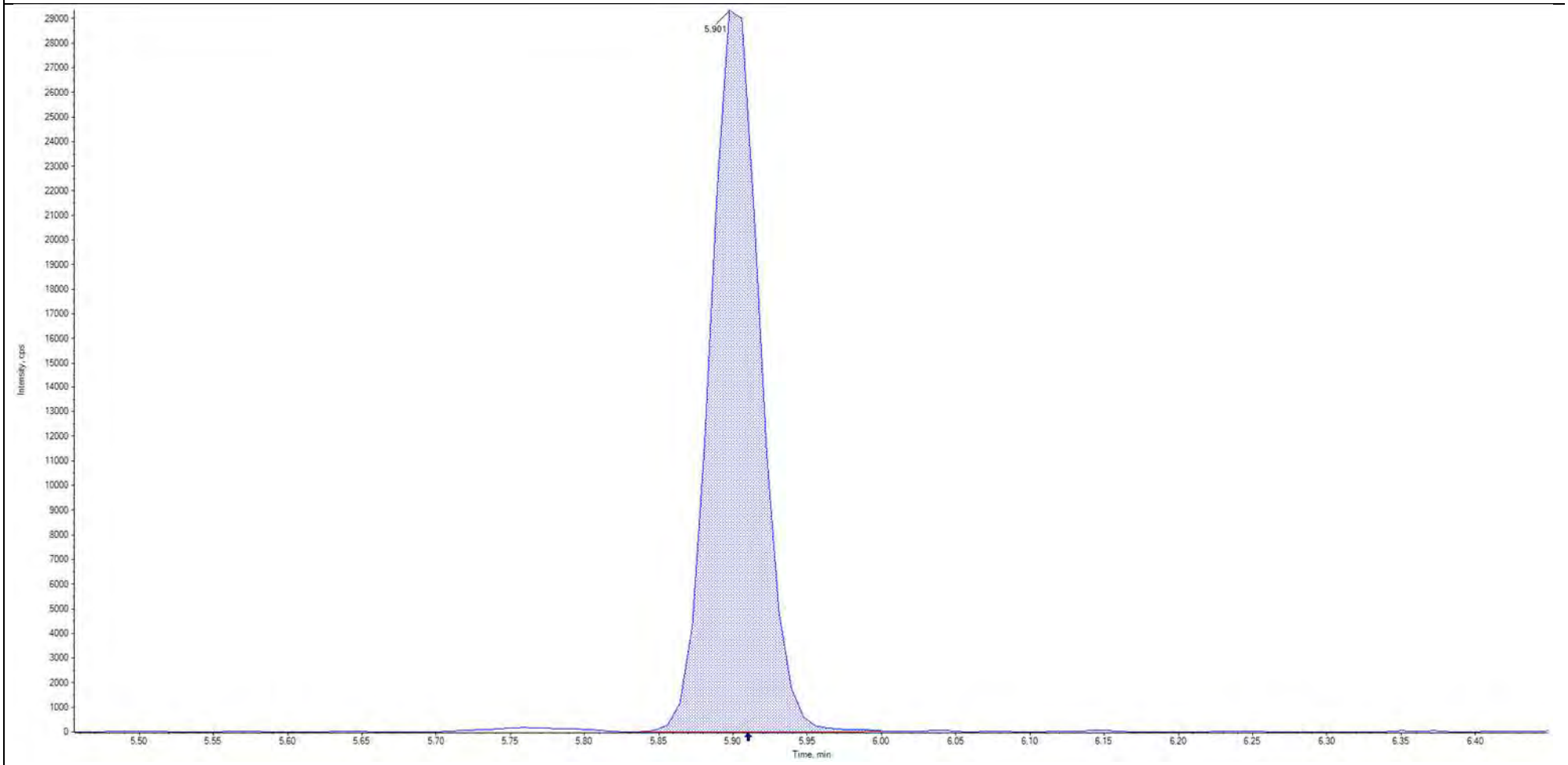
13C2-8:2FTS
Sample: WG2012727-5



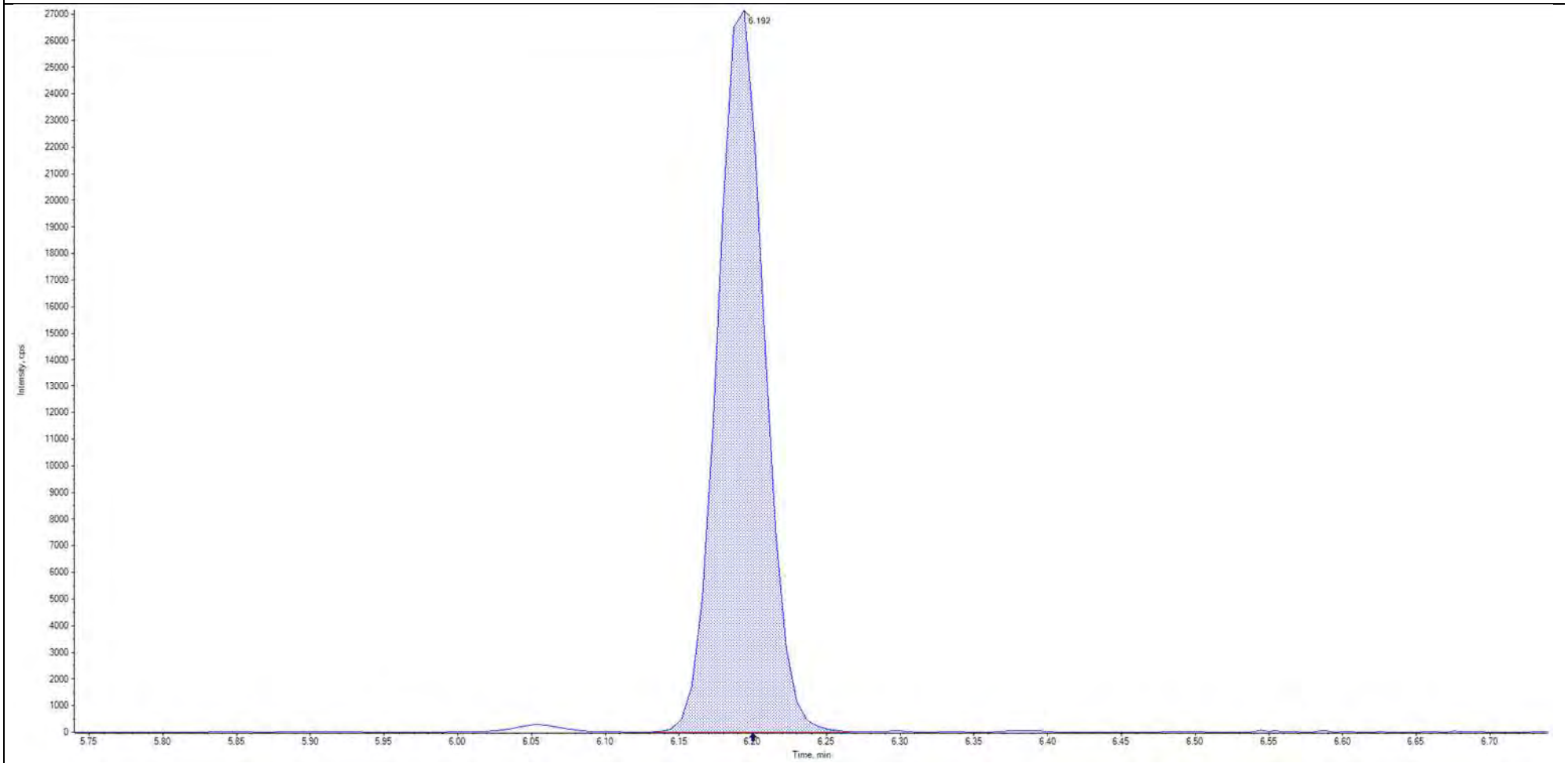
13C8-PFOSA
Sample: WG2012727-5



d3-NMeFOSA
Sample: WG2012727-5



d5-NEtFOSA
Sample: WG2012727-5



d3-NMeFOSAA
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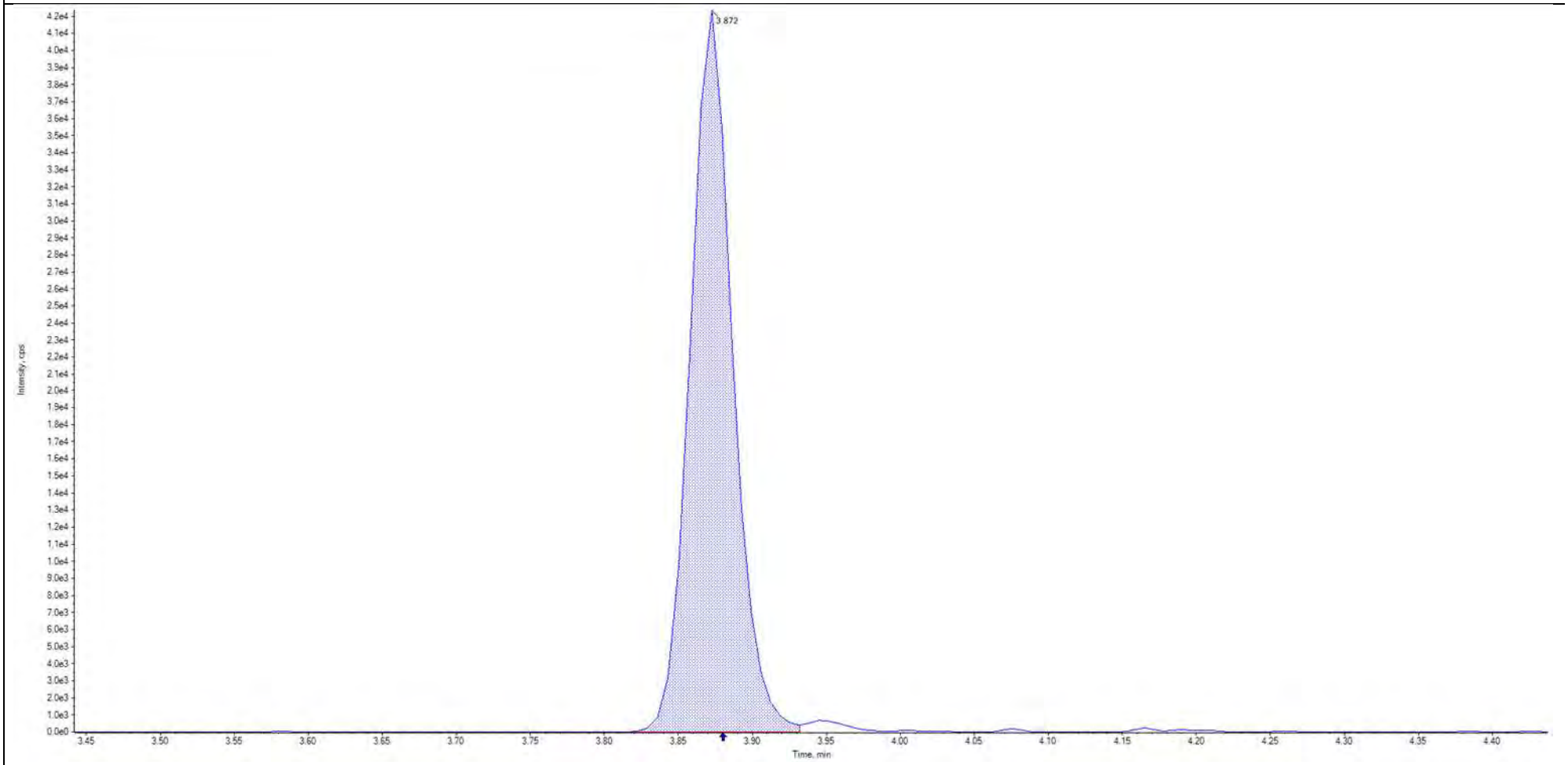
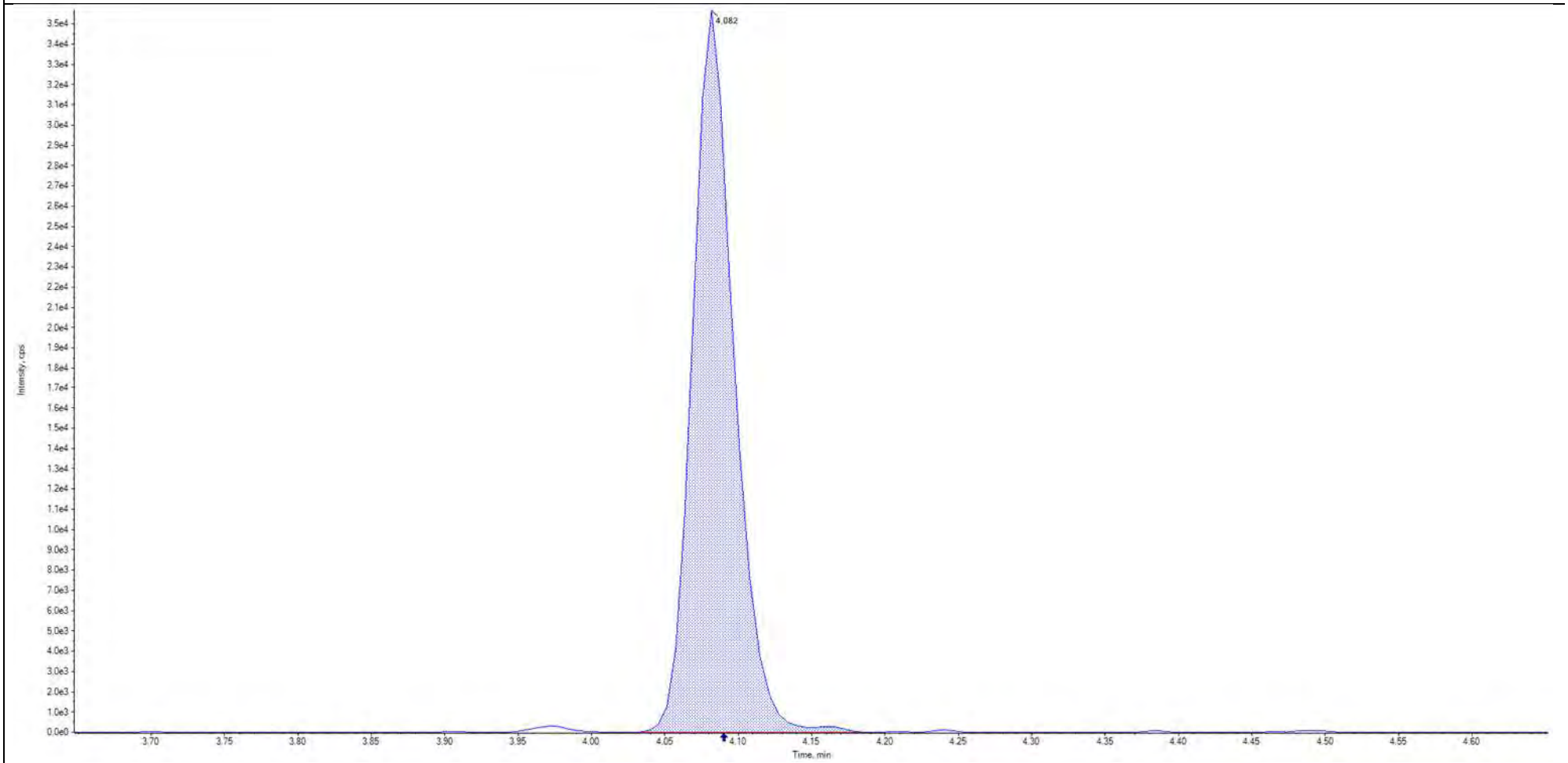
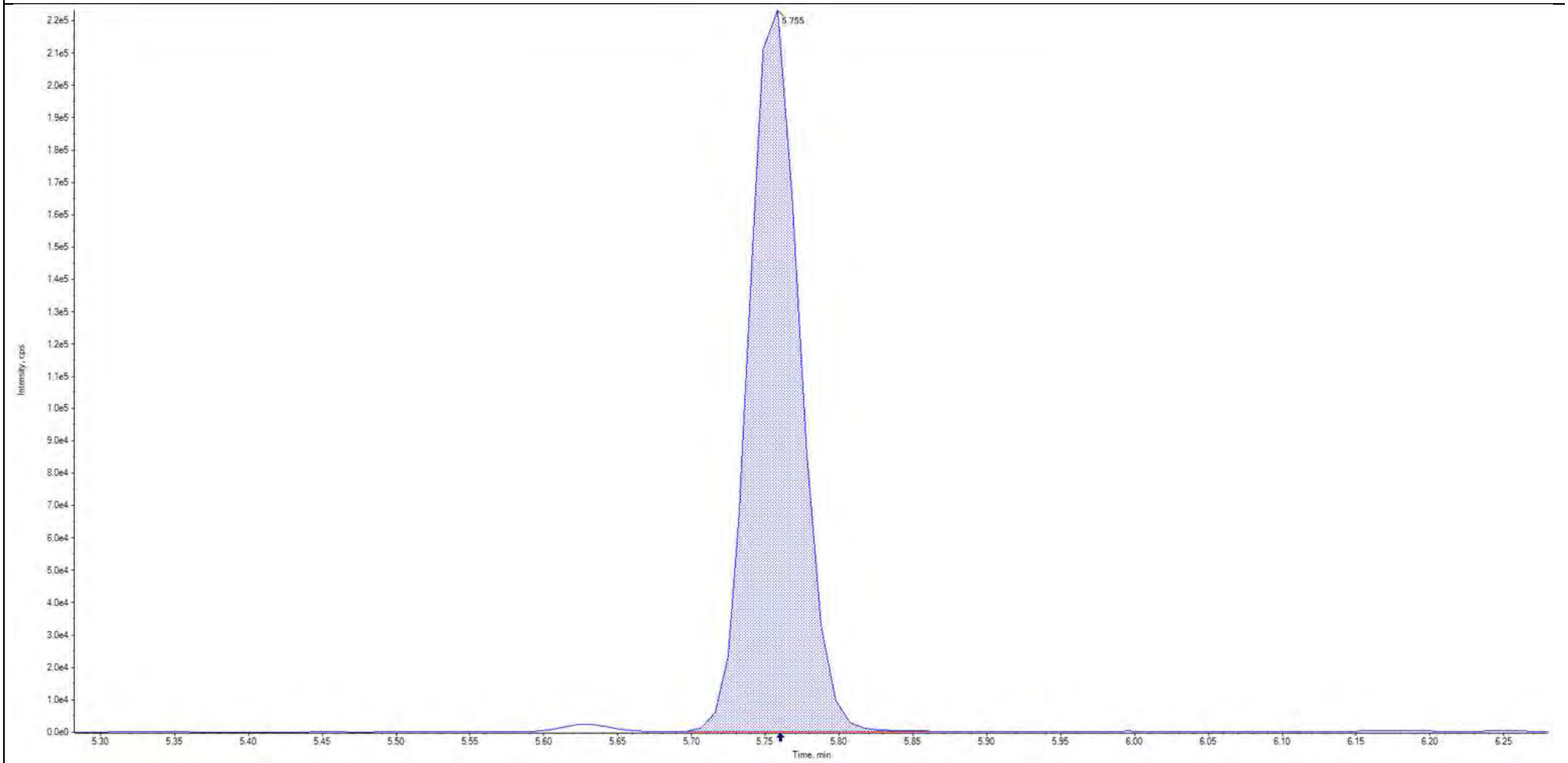


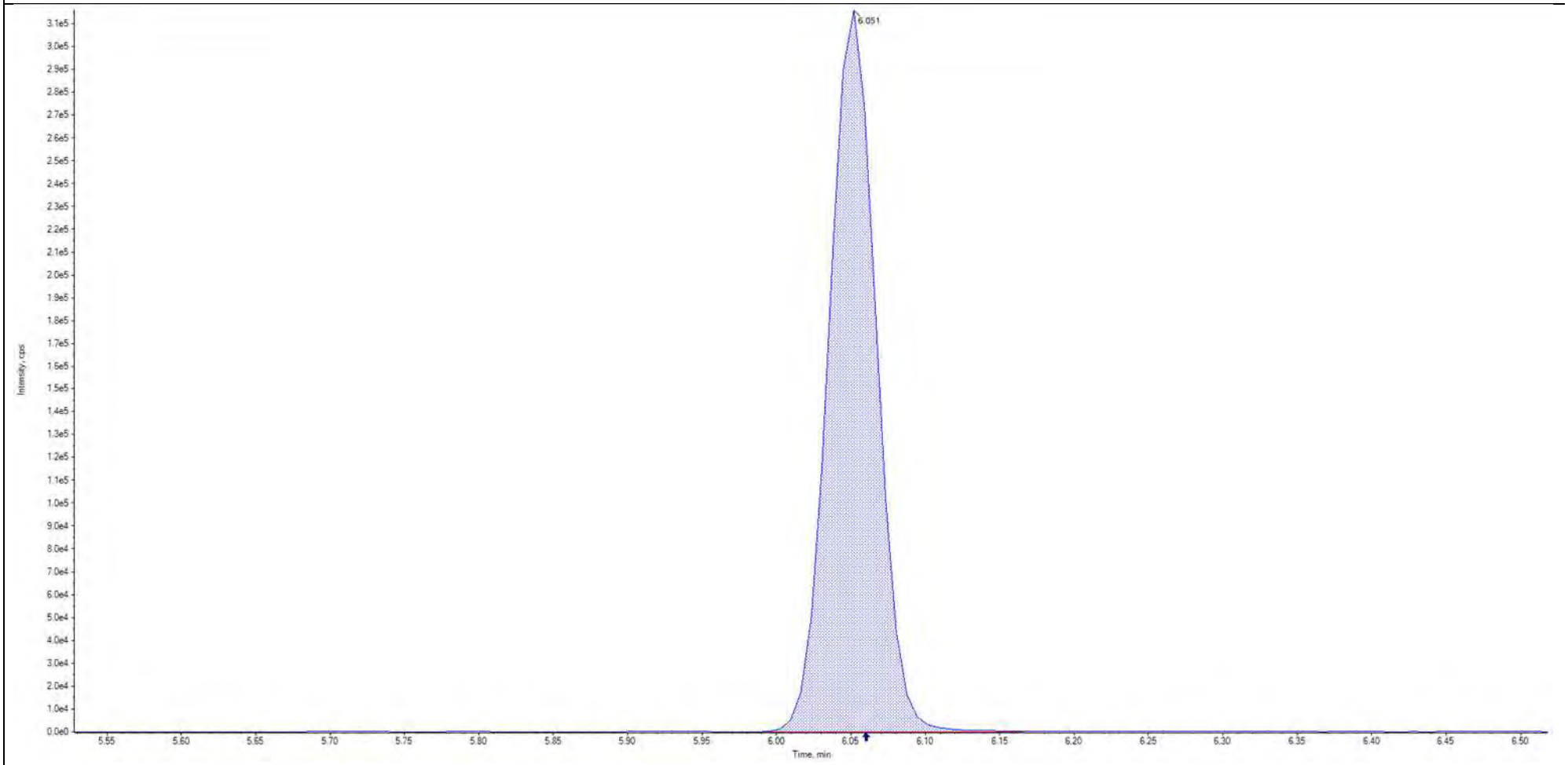
d5-NEtFOSAA
Sample: WG2012727-5



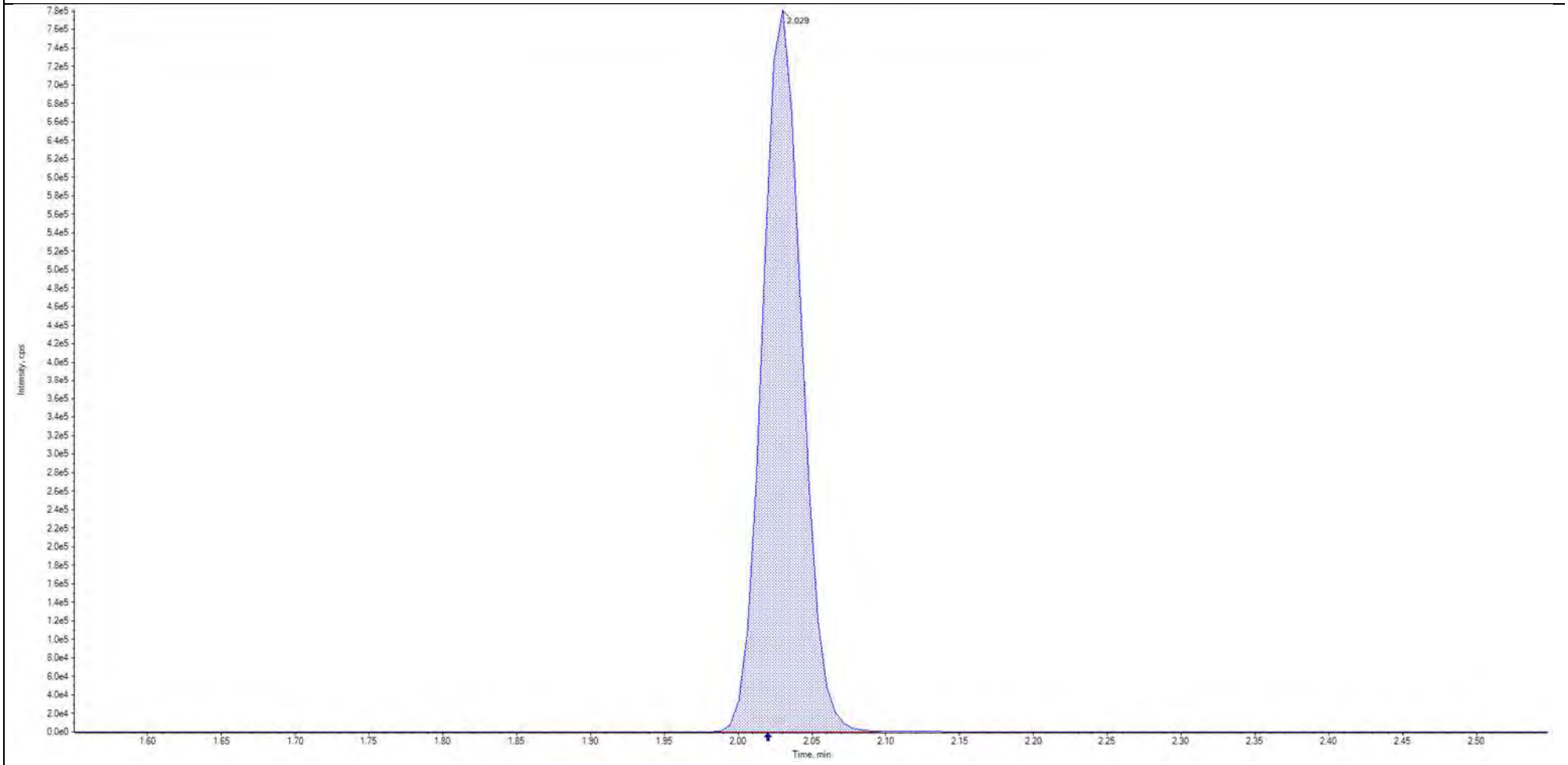
d7-NMeFOSE
Sample: WG2012727-5



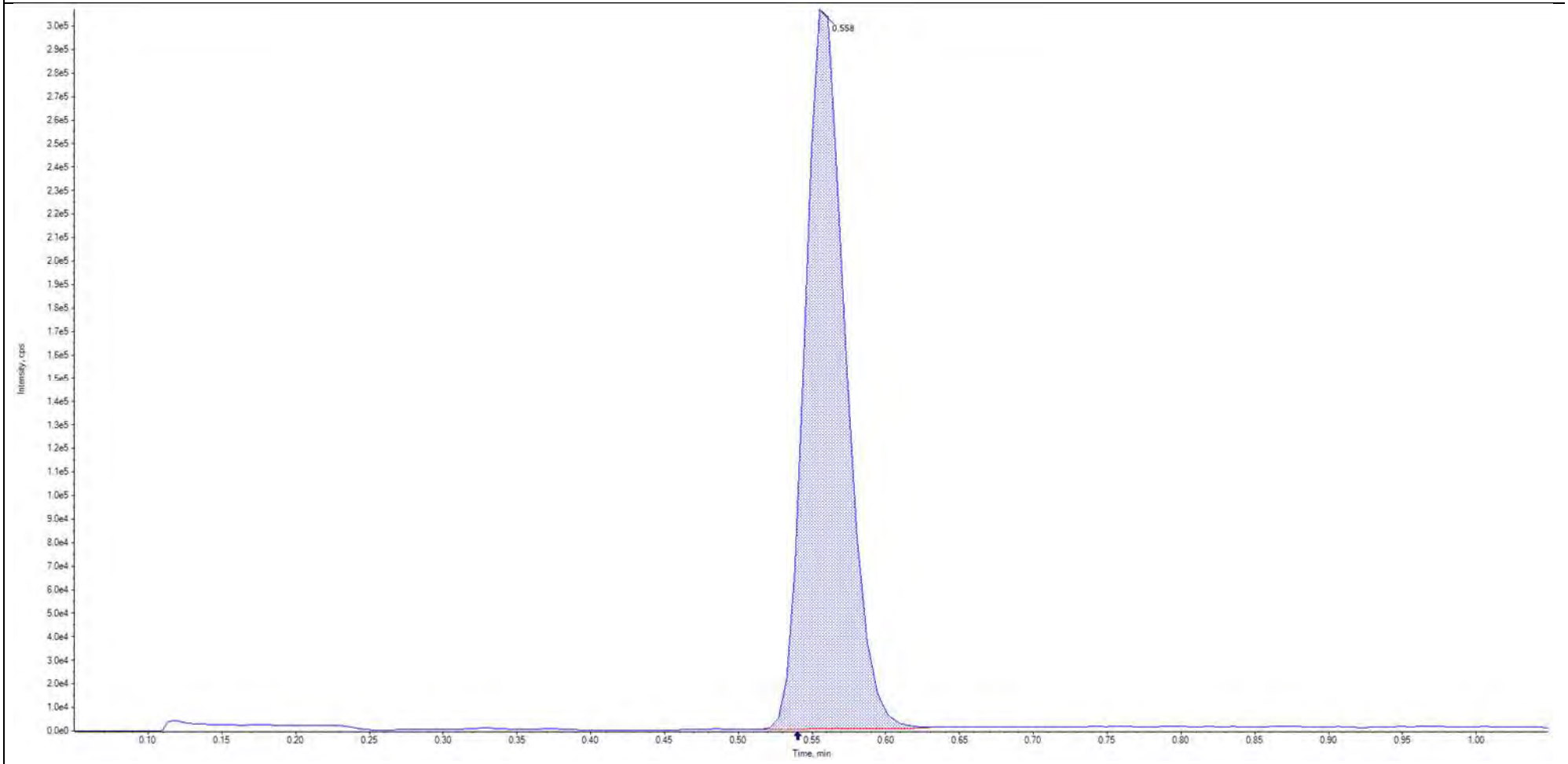
d9-NEtFOSE
Sample: WG2012727-5



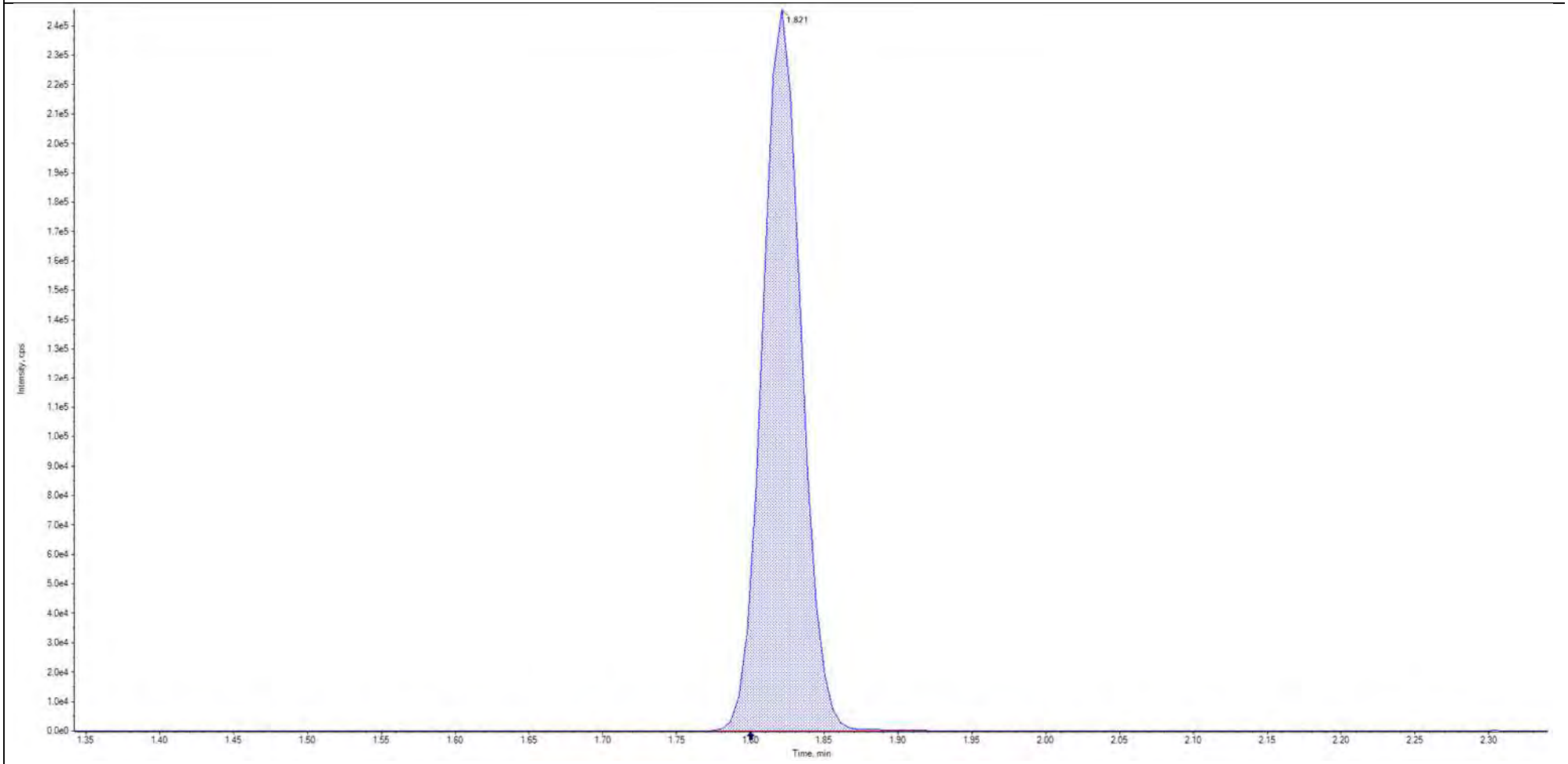
13C3-HFPO-DA
Sample: WG2012727-5



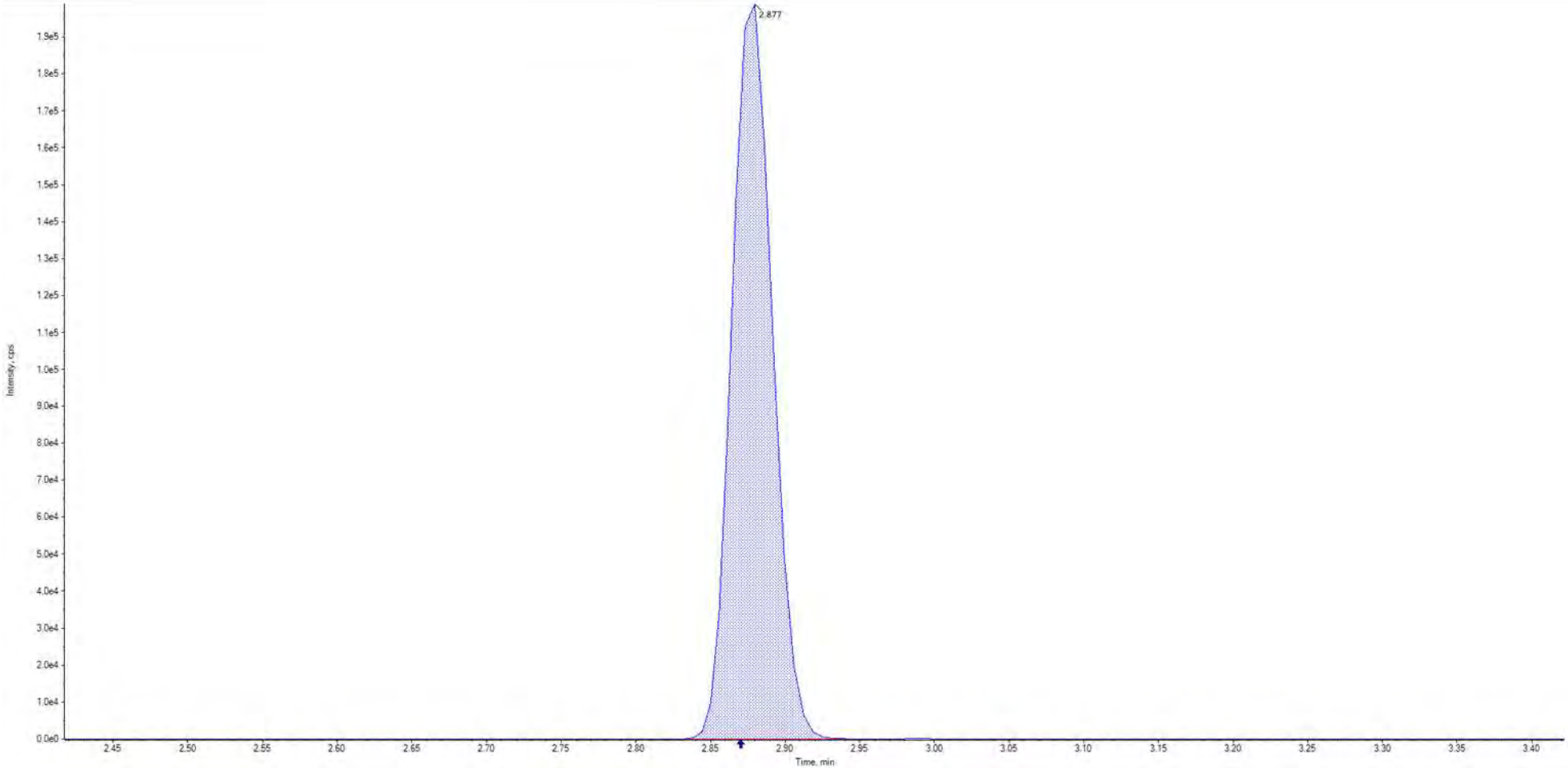
13C3-PFBA
Sample: WG2012727-5



13C2-PFHxA
Sample: WG2012727-5



13C4-PFOA
Sample: WG2012727-5



13C5-PFNA
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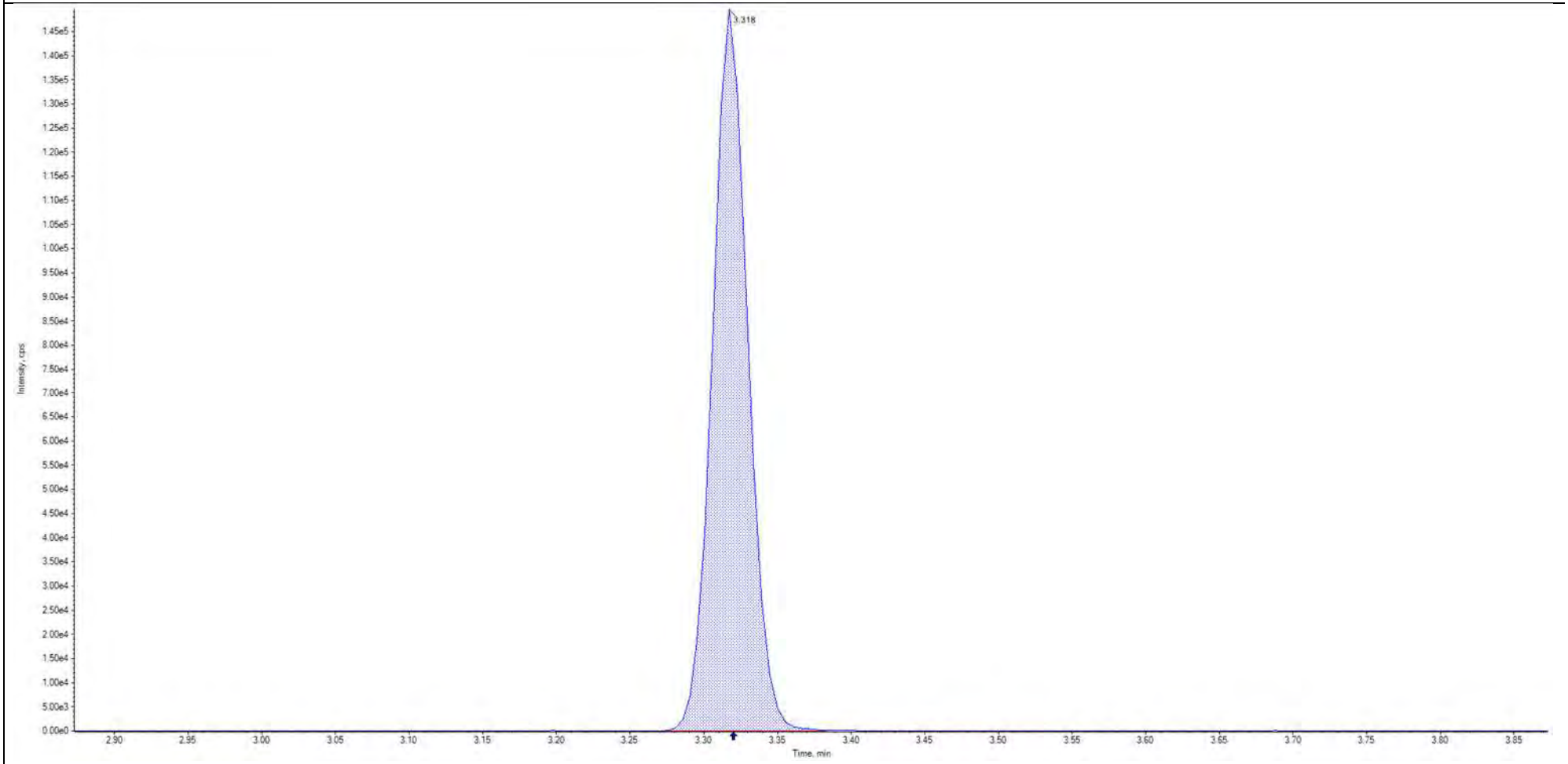

13C2-PFDA
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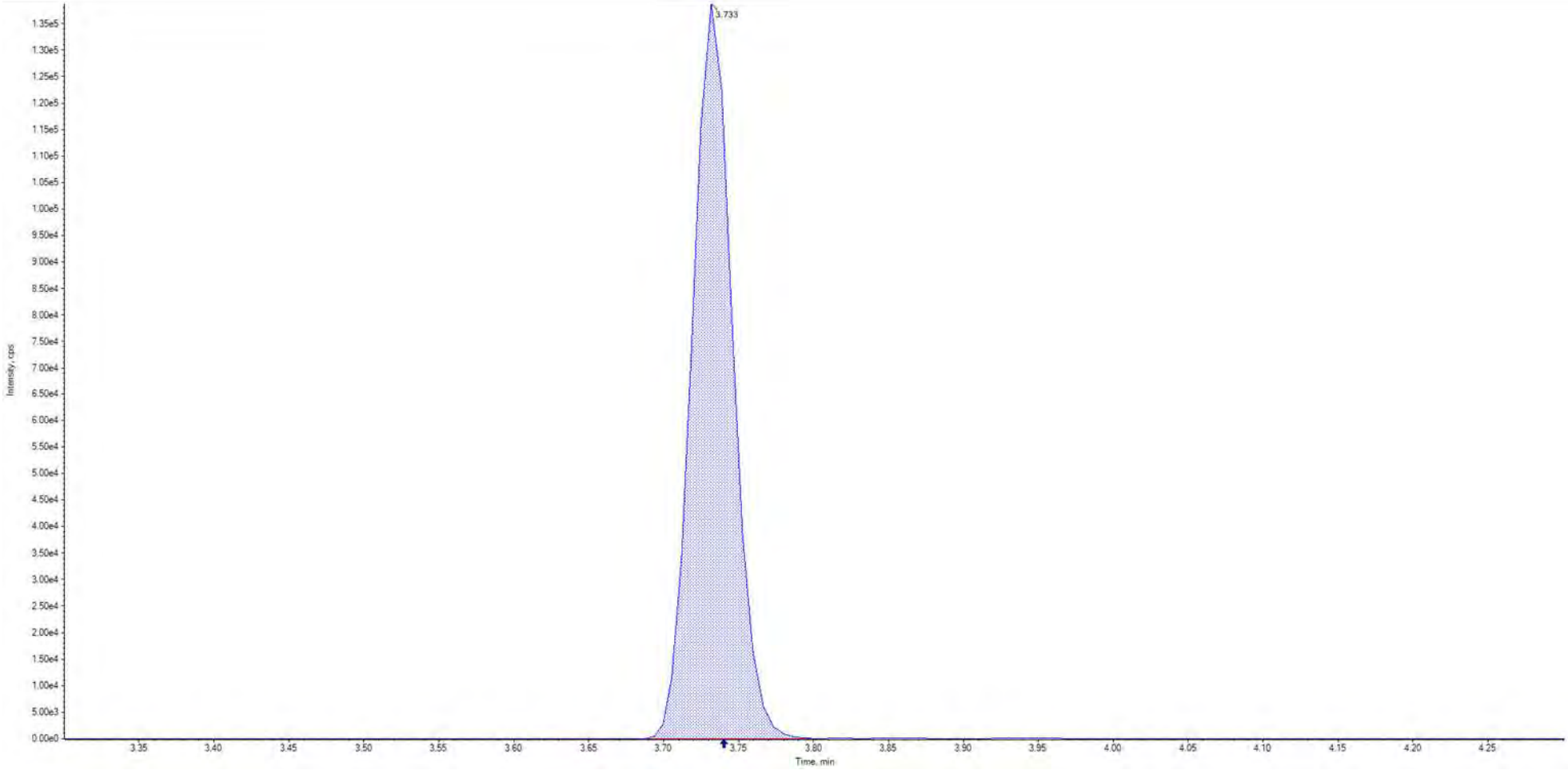
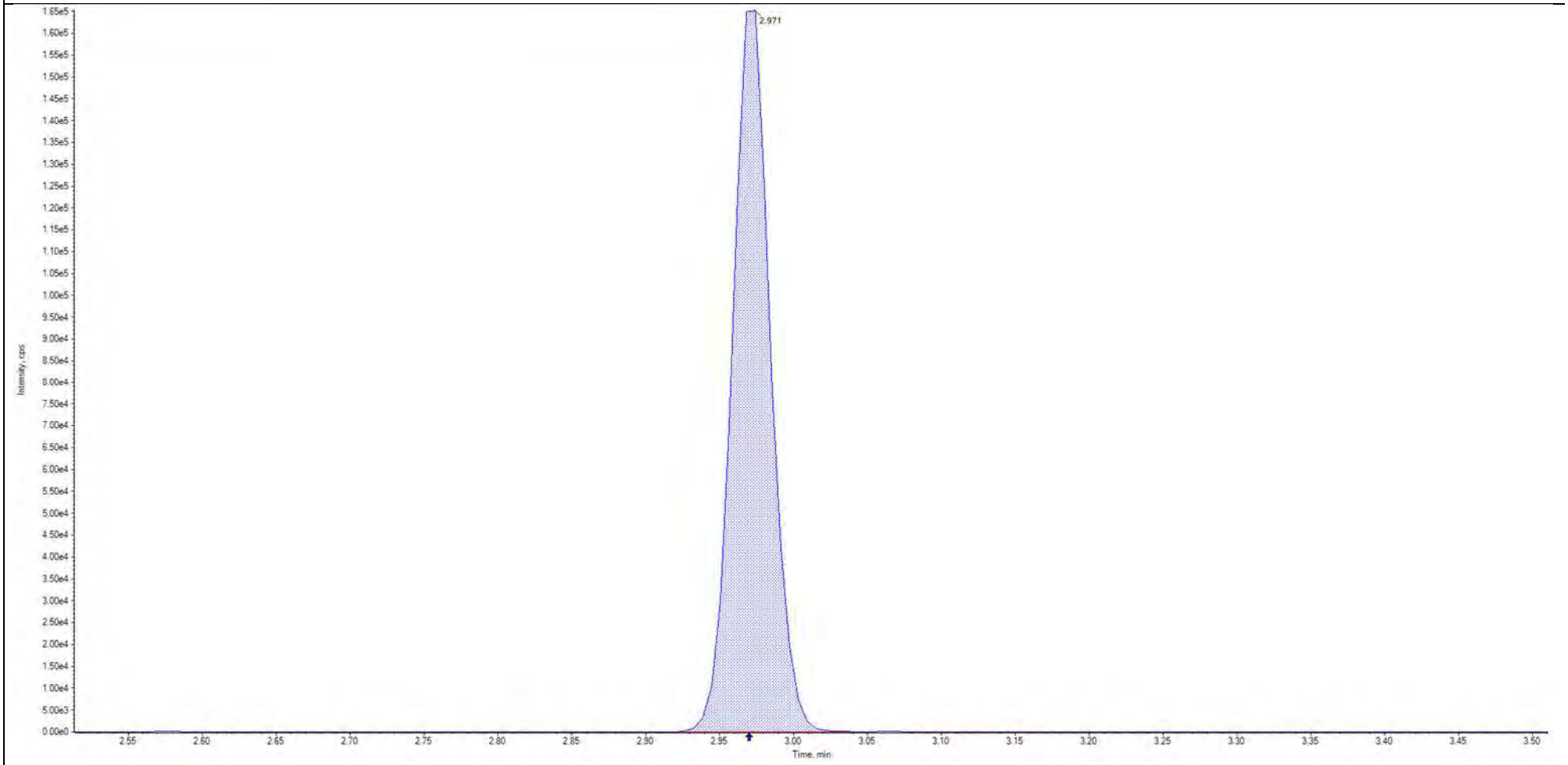
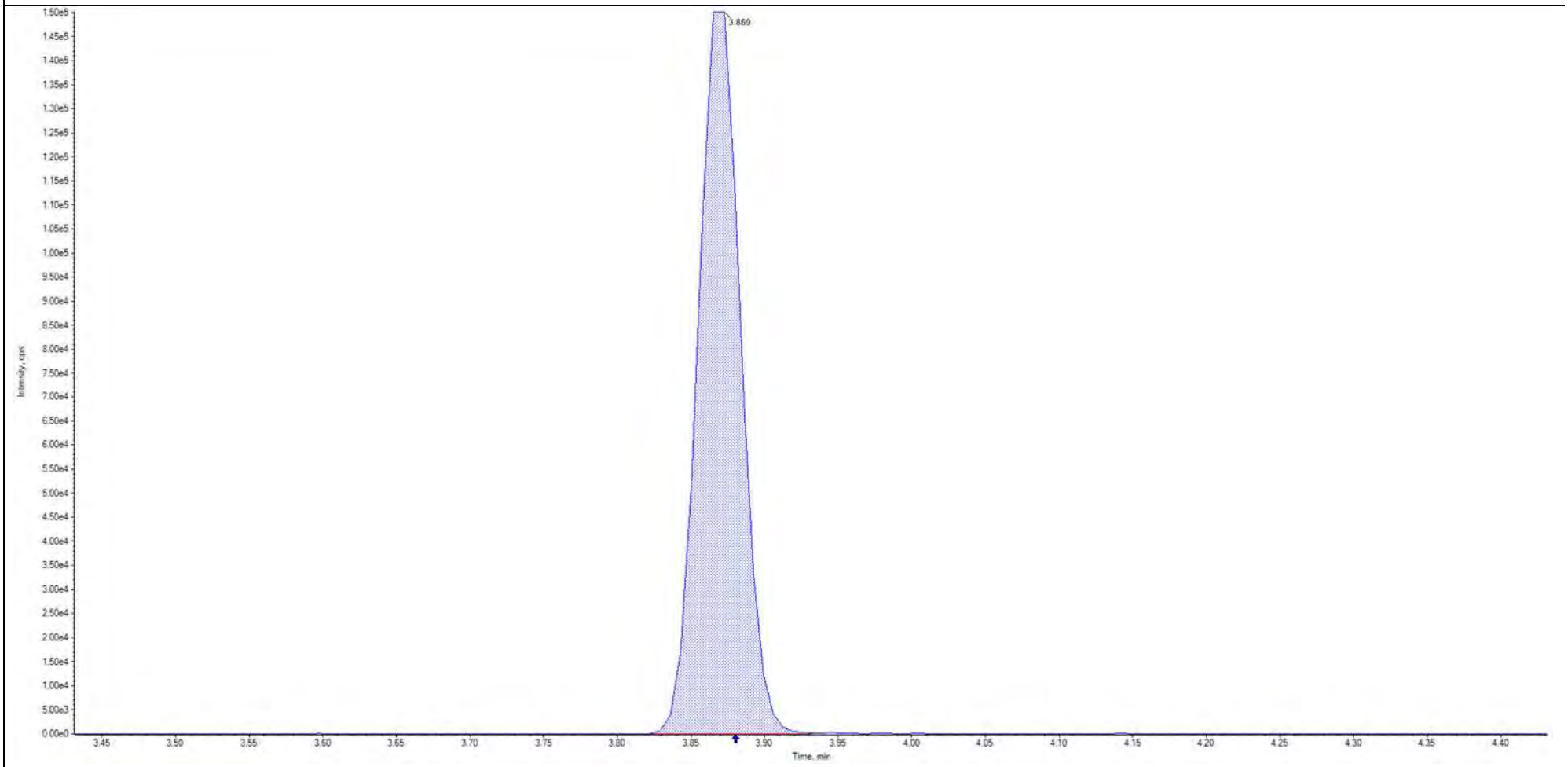


18O2-PFHxS
Sample: WG2012727-5



13C4-PFOS
Sample: WG2012727-5



Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241223\SCI09_241223_25.wiff2_10
Last Altered: 12/24/2024 7:52:08 AM
Generated: 12/23/2024 2:36:12 PM

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

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Dec 24 2024, 02:20 pm

Work Group: WG2012727 for Department: 2 Organic Preparation

Created: 23-DEC-24 Due: Operator: ONG

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2467934-01	MW-1S	S	A2-NY-1633	WATER	DONE	U	1216	1218	S0	Plastic-A.5
L2467934-05	MW-5S	S	A2-NY-1633	WATER	DONE	U	1217	1218	S0	Plastic-A.5
L2467934-07	MW-7S	S	A2-NY-1633	WATER	DONE	U	1216	1218	S0	Plastic-A.5
L2467934-08	MW-8S	S	A2-NY-1633	WATER	DONE	U	1216	1218	S0	Plastic-A.5
L2467934-09	DUP	S	A2-NY-1633	WATER	DONE	U	1216	1218	S0	Plastic-A.5
L2467934-10	FIELD BLANK	S	A2-NY-1633	WATER	DONE	U	1216	1218	S0	Plastic-A.5
L2472463-01	MW3S	S	A2-NY-1633	WATER	DONE	U	0107	0102	S0	Plastic-A.5
L2472463-02	MW3I	S	A2-NY-1633	WATER	DONE	U	0107	0102	S0	Plastic-A.5
L2472463-03	MW4S	S	A2-NY-1633	WATER	DONE	U	0107	0102	S0	Plastic-A.5
L2472463-04	MW4I	S	A2-NY-1633	WATER	DONE	U	0107	0102	S0	Plastic-A.5
L2472463-05	MW5S	S	A2-NY-1633	WATER	DONE	U	0107	0102	S0	Plastic-A.5
L2472463-06	MW5I	S	A2-NY-1633	WATER	DONE	U	0107	0102	S0	Plastic-A.5
L2472463-07	DUP-12102024	S	A2-NY-1633	WATER	DONE	U	0107	0102	S0	Plastic-A.5
L2472691-04	MW-19B 121124	S	A2-NY-1633	WATER	DONE	U	0108	1226	3A	Plastic-A.5
L2473175-01	MW-104 ROUND 1	S	A2-NY-1633	WATER	DONE	U	0109	0106	S0	Plastic-A.5
L2473175-02	MW-102 ROUND 1	S	A2-NY-1633	WATER	DONE	U	0109	0106	S0	Plastic-A.5
L2473175-03	FIELD BLANK	S	A2-NY-1633	WATER	DONE	U	0109	0106	S0	Plastic-A.5
L2475089-02	FB-02_20241219	S	A2-NY-1633	WATER	DONE	U	0116	0106	S0	Plastic-A.5
WG2012727-1	Laboratory Method Bl	S	A2-NY-1633	WATER	DONE	U				
WG2012727-2	Laboratory Control S	S	A2-NY-1633	WATER	DONE	U				
WG2012727-3	Laboratory Control S	S	A2-NY-1633	WATER	DONE	U				
WG2012727-4	Matrix Spike	S	A2-NY-1633	WATER	DONE	U				
WG2012727-5	Matrix Spike Duplica	S	A2-NY-1633	WATER	DONE	U				

Comments:

WG2012727-4 L2467934-05
WG2012727-5 L2467934-05

Product:	1633F
Run Date:	11/12/2024
Instrument:	LCMS09

ICAL info:	ICAL21696
CCAL lots	EPA1633F_241008_CAL
Mobile Phase A	EC101824D
Mobile Phase B	64135
Bile Salts Standard:	EPA1633F_240129_TDCA

SAMPLE NAME	SAMPLE ID	VIAL	DATA FILE	SITUATION
MED CV		1	\241112\SCI09_241112_01	
MED CV		1	\241112\SCI09_241112_02	
MED CV		1	\241112\SCI09_241112_03	
MED CV		1	\241112\SCI09_241112_04	
MED CV		1	\241112\SCI09_241112_05	
MED CV		1	\241112\SCI09_241112_06	
MED CV		1	\241112\SCI09_241112_07	
MED CV		1	\241112\SCI09_241112_08	
MED CV		1	\241112\SCI09_241112_09	
MED CV		1	\241112\SCI09_241112_10	
MED CV		1	\241112\SCI09_241112_11	
MED CV		1	\241112\SCI09_241112_12	
Blank		2	\241112\SCI09_241112_13	
Blank		2	\241112\SCI09_241112_14	
Blank		2	\241112\SCI09_241112_15	
IA1633STD-.1		3	\241112\SCI09_241112_16	
IA1633STD-.2		4	\241112\SCI09_241112_17	
IA1633STD-.5		5	\241112\SCI09_241112_18	
IA1633STD-2.5		6	\241112\SCI09_241112_19	
IA1633STD-5		7	\241112\SCI09_241112_20	
IA1633STD-12.5		8	\241112\SCI09_241112_21	
IA1633STD-25		9	\241112\SCI09_241112_22	
IA1633STD-50		10	\241112\SCI09_241112_23	
IA1633STD-62.5		11	\241112\SCI09_241112_24	
WG1996415-2,INSTBLANK		12	\241112\SCI09_241112_25	
WG1996415-3,INSTBLANK		13	\241112\SCI09_241112_26	
CA1633STD-10		14	\241112\SCI09_241112_27	
Blank		15	\241112\SCI09_241112_28	

Product:	A2-1633
Run Date:	12/23/2024
Instrument:	LCMS09

ICAL info:	ICAL21696
CCAL lots	PA1633_241128_CAL, L5: EPA1633_241118
Mobile Phase A	EC121624B
Mobile Phase B	64179
Bile Salts Standard:	EPA1633F_240129_TDCA

SAMPLE NAME	SAMPLE ID	PLATE	VIAL	DATA FILE	SITUATION
Blank	Blank	1	6	\241223\SCI09_241223_14	
WG2012688-1,1633LOW	***WG2012688,WG2000000,ICAL21696,1633LOW***	1	3	\241223\SCI09_241223_15	
WG2012688-2,1633FMED	WG2012688,WG2000000,ICAL21696,1633FMED	1	4	\241223\SCI09_241223_16	
WG2012688-4,INSTBLANK	WG2012688,WG2000000,ICAL21696	1	6	\241223\SCI09_241223_17	IS HIGH
blank	WG2012688,WG2000000,ICAL21696	1	6	\241223\SCI09_241223_18	
WG2012727-1	WG2012688,WG2012727,ICAL21696	2	1	\241223\SCI09_241223_19	
WG2012727-2	WG2012688,WG2012727,ICAL21696	2	2	\241223\SCI09_241223_20	ION RATIO FAILURE (ADONA) - RERUN
WG2012727-3	WG2012688,WG2012727,ICAL21696	2	3	\241223\SCI09_241223_21	
L2467934-01	WG2012688,WG2012727,ICAL21696	2	4	\241223\SCI09_241223_22	
L2467934-05	WG2012688,WG2012727,ICAL21696	2	5	\241223\SCI09_241223_23	
WG2012727-4	WG2012688,WG2012727,ICAL21696	2	6	\241223\SCI09_241223_24	TARGET LOW
WG2012727-5	WG2012688,WG2012727,ICAL21696	2	7	\241223\SCI09_241223_25	RPD OUT
L2467934-07	WG2012688,WG2012727,ICAL21696	2	8	\241223\SCI09_241223_26	
L2467934-08	WG2012688,WG2012727,ICAL21696	2	9	\241223\SCI09_241223_27	
L2467934-09	WG2012688,WG2012727,ICAL21696	2	10	\241223\SCI09_241223_28	
L2467934-10	WG2012688,WG2012727,ICAL21696	2	11	\241223\SCI09_241223_29	
L2472463-01	WG2012688,WG2012727,ICAL21696	2	12	\241223\SCI09_241223_30	EIS HIGH, TARGET HIT
L2472463-02	WG2012688,WG2012727,ICAL21696	2	13	\241223\SCI09_241223_31	
L2472463-03	WG2012688,WG2012727,ICAL21696	2	14	\241223\SCI09_241223_32	
L2472463-04	WG2012688,WG2012727,ICAL21696	2	15	\241223\SCI09_241223_33	
WG2012688-5,1633FMED	WG2012688,WG2000000,ICAL21696,1633FMED	1	4	\241223\SCI09_241223_34	
WG2012688-6,INSTBLANK	WG2012688,WG2012727,ICAL21696	1	6	\241223\SCI09_241223_35	IS HIGH
L2472463-05	WG2012688,WG2012727,ICAL21697	2	16	\241223\SCI09_241223_36	
L2472463-06	WG2012688,WG2012727,ICAL21698	2	17	\241223\SCI09_241223_37	
L2472463-07	WG2012688,WG2012727,ICAL21699	2	18	\241223\SCI09_241223_38	
L2472691-04RE	WG2012688,WG2012727,ICAL21700	2	19	\241223\SCI09_241223_39	
L2473175-01	WG2012688,WG2012727,ICAL21701	2	20	\241223\SCI09_241223_40	
L2473175-02	WG2012688,WG2012727,ICAL21702	2	21	\241223\SCI09_241223_41	
L2473175-03	WG2012688,WG2012727,ICAL21703	2	22	\241223\SCI09_241223_42	
L2475089-02	WG2012688,WG2012727,ICAL21704	2	23	\241223\SCI09_241223_43	
L2470994-04D,,10	WG2012688,WG2011356,ICAL21696	2	24	\241223\SCI09_241223_44	
L2470994-07D,,10	WG2012688,WG2011356,ICAL21696	2	25	\241223\SCI09_241223_45	
WG2012688-7,1633FMED	WG2012688,WG2000000,ICAL21696,1633FMED	1	4	\241223\SCI09_241223_46	
WG2012688-8,INSTBLANK	WG2012688,WG2011356,ICAL21696	1	6	\241223\SCI09_241223_47	
L2471064-01D,,5	WG2012688,WG2011356,ICAL21696	2	26	\241223\SCI09_241223_48	
WG2012688-9,1633FMED	WG2012688,WG2000000,ICAL21696,1633FMED	1	4	\241223\SCI09_241223_49	

Product:	A2-1633
Run Date:	12/24/2024
Instrument:	LCMS09

ICAL info:	ICAL21696
CCAL lots	PA1633_241128_CAL, L5: EPA1633_241118
Mobile Phase A	EC121624B
Mobile Phase B	64179
Bile Salts Standard:	EPA1633F_240129_TDCA

SAMPLE NAME	SAMPLE ID	PLATE	VIAL	DATA FILE	SITUATION
Blank	Blank	1	6	\241224\SCI09_241224_14	
WG2013165-1,1633LOW	***WG2013165,WG2000000,ICAL21696,1633LOW***	1	3	\241224\SCI09_241224_15	ION RATIO FAILING
WG2013165-1,1633LOW	***WG2013165,WG2000000,ICAL21696,1633LOW***	1	3	\241224\SCI09_241224_16	
WG2013165-2,1633FMED	WG2013165,WG2000000,ICAL21696,1633FMED	1	4	\241224\SCI09_241224_17	
WG2013165-4,INSTBLANK	WG2013165,WG2000000,ICAL21696	1	6	\241224\SCI09_241224_18	
WG2012727-2R	WG2013165,WG2012727,ICAL21696	2	1	\241224\SCI09_241224_19	
L2472463-01D,,10	WG2013165,WG2012727,ICAL21696	2	2	\241224\SCI09_241224_20	
L2470445-02R	WG2013165,WG2011356,ICAL21696	2	3	\241224\SCI09_241224_21	
WG2013165-5,1633FMED	WG2013165,WG2000000,ICAL21696,1633FMED	1	4	\241224\SCI09_241224_22	
WG2013165-6,INSTBLANK	WG2013165,WG2000000,ICAL21696	1	6	\241224\SCI09_241224_23	
WG2013040-1	WG2013165,WG2013040,ICAL21696	2	4	\241224\SCI09_241224_24	
WG2013040-2	WG2013165,WG2013040,ICAL21696	2	5	\241224\SCI09_241224_25	
WG2013040-3	WG2013165,WG2013040,ICAL21696	2	6	\241224\SCI09_241224_26	
L2463480-01	WG2013165,WG2013040,ICAL21696	2	7	\241224\SCI09_241224_27	
L2463480-04	WG2013165,WG2013040,ICAL21696	2	8	\241224\SCI09_241224_28	
L2470843-01	WG2013165,WG2013040,ICAL21696	2	9	\241224\SCI09_241224_29	
L2470843-02	WG2013165,WG2013040,ICAL21696	2	10	\241224\SCI09_241224_30	
L2470843-03	WG2013165,WG2013040,ICAL21696	2	11	\241224\SCI09_241224_31	
L2470843-04	WG2013165,WG2013040,ICAL21696	2	12	\241224\SCI09_241224_32	
L2470843-05	WG2013165,WG2013040,ICAL21696	2	13	\241224\SCI09_241224_33	
L2470843-06	WG2013165,WG2013040,ICAL21696	2	14	\241224\SCI09_241224_34	
L2470843-07	WG2013165,WG2013040,ICAL21696	2	15	\241224\SCI09_241224_35	
L2470843-08	WG2013165,WG2013040,ICAL21696	2	16	\241224\SCI09_241224_36	
WG2013165-7,1633FMED	WG2013165,WG2000000,ICAL21696,1633FMED	1	4	\241224\SCI09_241224_37	
WG2013165-8,INSTBLANK	WG2013165,WG2013040,ICAL21696	1	6	\241224\SCI09_241224_38	
L2470843-09	WG2013165,WG2013040,ICAL21696	2	17	\241224\SCI09_241224_39	
L2472915-01RE	WG2013165,WG2013040,ICAL21696	2	18	\241224\SCI09_241224_40	
L2472915-02RE	WG2013165,WG2013040,ICAL21696	2	19	\241224\SCI09_241224_41	
L2472915-03RE	WG2013165,WG2013040,ICAL21696	2	20	\241224\SCI09_241224_42	
L2472915-05RE	WG2013165,WG2013040,ICAL21696	2	21	\241224\SCI09_241224_43	
L2472915-06RE	WG2013165,WG2013040,ICAL21696	2	22	\241224\SCI09_241224_44	
L2472915-07RE	WG2013165,WG2013040,ICAL21696	2	23	\241224\SCI09_241224_45	
L2474110-26	WG2013165,WG2013040,ICAL21696	2	24	\241224\SCI09_241224_46	
L2475250-01	WG2013165,WG2013040,ICAL21696	2	25	\241224\SCI09_241224_47	
L2475250-02	WG2013165,WG2013040,ICAL21696	2	26	\241224\SCI09_241224_48	
WG2013165-9,1633FMED	WG2013165,WG2000000,ICAL21696,1633FMED	1	4	\241224\SCI09_241224_49	

ORGANIC ELN REPORT

Workgroup: WG2012727

Prep Method: EPA 1633
Solvent Type: 1% NH4OH — **Lot #:** ECP122024C / D
Surrogate Type: 1633 — **Lot #:** LCMS241031AB / AC
Spike Type: 1633 — **Lot #:** LCMS241021AAAE
Spike Verify by: TCH
Lims Spikelot: 1633FMED

Additional Reagents/Stds

0.1M Formic Acid	ECP121824S
0.3M Formic Acid	ECP121824R
1:1 Formic Acid:MeOH	ECP121824O
Acetic Acid	2024050828
GCB	1265; G01671
IS	LCMS241031CG / CH
pH Strip	10BDH30241

Conc.Method: NA
Solvent Type: NA
Lot #: NA

Additional Reagents/Stds

Cleanup 1

Cleanup Method 1:
Cleanup Method 2:
Solvent Type: **Lot #:**

Additional Reagents/Stds

Extraction | **Concentration**

Sample/ Type	Extract Date	Analyst	Initial Sample Weight	Final Weight g	Sample Vol g	Ph	Balance Id	Surr Amt ml	Spike Amt ml	Pipette Id	Lot: Spe Cartridge	Flow Rate ml/min	Final Vol ml
L2467934-01 SAMP	12/23/24 13:50	Olivia Guimaraes	564.72	42.68	522.04	6	BAL-27	.02		351	S437-0013; S24-00676	4	4
	6-4, 920.												
L2467934-05 SAMP	12/23/24 13:50	Olivia Guimaraes	550.81	41.89	508.92	6	BAL-27	.02		351	S437-0013; S24-00676	4	4
	6-5, 714.												
L2467934-07 SAMP	12/23/24 13:50	Olivia Guimaraes	569.62	42.49	527.13	6	BAL-27	.02		351	S437-0013; S24-00676	4	4
	7-2, 902.												
L2467934-08 SAMP	12/23/24 13:50	Olivia Guimaraes	559.75	42.68	517.07	6	BAL-27	.02		351	S437-0013; S24-00676	4	4
	7-3, 13.												

Reported: 24-DEC-24 02:20 PM

ORGANIC ELN REPORT

Workgroup: WG2012727

Sample/ Type	Extraction											Concentration
	Extract Date	Analyst	Initial Sample Weight	Final Weight **g**	Sample Vol **g**	Ph	Balance Id	Surr Amt **ml**	Spike Amt **ml**	Pipette Id	Lot: Spe Cartridge	Flow Rate **ml/min**	Final Vol **ml**
L2467934-09 SAMP	12/23/24 13:50 **7-4, 908.**	Olivia Guimaraes	601.09	42.17	558.92	6	BAL-27	.02		351	S437-0013; S24-00676	4	4
L2467934-10 SAMP	12/23/24 13:50 **7-5, 602.**	Olivia Guimaraes	497.01	40.80	456.21	6	BAL-27	.02		351	S437-0013; S24-00676	4	4
L2472463-01 WATER	12/23/24 13:50 **7-6, 704.** **Sample centrifuged and decanted due to a yellow clay-like matrix with approximately 0.1-1 cm of sediment on the bottom. Matrix slightly clarified. ONG 12/23/24**	Olivia Guimaraes	553.31	42.28	511.03	6	BAL-27	.02		351	S437-0013; S24-00676	4	4
L2472463-02 WATER	12/23/24 13:50 **8-1, 509.**	Olivia Guimaraes	531.96	41.78	490.18	6	BAL-27	.02		351	S437-0013; S24-00676	4	4
L2472463-03 WATER	12/23/24 13:50 **8-2, 911.**	Olivia Guimaraes	596.65	40.90	555.75	6	BAL-27	.02		351	S437-0013; S24-00676	4	4
L2472463-04 WATER	12/23/24 13:50 **8-3, 701.**	Olivia Guimaraes	544.11	42.54	501.57	6	BAL-27	.02		351	S437-0013; S24-00676	4	4
L2472463-05 WATER	12/23/24 13:50 **8-4, 706.**	Olivia Guimaraes	568.69	40.68	528.01	6	BAL-27	.02		351	S437-0013; S24-00676	4	4

ORGANIC ELN REPORT

Workgroup: WG2012727

Sample/ Type	Extraction											Concentration
	Extract Date	Analyst	Initial Sample Weight	Final Weight **g**	Sample Vol **g**	Ph	Balance Id	Surr Amt **ml**	Spike Amt **ml**	Pipette Id	Lot: Spe Cartridge	Flow Rate **ml/min**	Final Vol **ml**
L2472463-06 WATER	12/23/24 13:50 **8-5, 900.**	Olivia Guimaraes	531.80	42.27	489.53	6	BAL-27	.02		351	S437-0013; S24-00676	4	4
L2472463-07 WATER	12/23/24 13:50 **8-6, 917.**	Olivia Guimaraes	545.00	42.22	502.78	6	BAL-27	.02		351	S437-0013; S24-00676	4	4
L2472691-04 SAMP	12/23/24 13:50 **5-1, 921.** **Sample diluted 25 mL into 500 mL per RX request due to EIS failure. ONG 12/23/24**	Olivia Guimaraes	25	0	25	6	BAL-27	.02		351	S437-0013; S24-00676	4	4
L2473175-01 WATER	12/23/24 13:50 **5-2, 604.** **Sample centrifuged and decanted due to a yellow clay-like matrix with approximately 0.1-1 cm of sediment on the bottom. Matrix clarified. ONG 12/23/24**	Olivia Guimaraes	562.11	42.87	519.24	6	BAL-27	.02		351	S437-0013; S24-00676	4	4
L2473175-02 WATER	12/23/24 13:50 **5-3, 802.** **Sample centrifuged and decanted due to a yellow clay-like matrix with approximately 0.1-1 cm of sediment on the bottom. Matrix clarified. ONG 12/23/24**	Olivia Guimaraes	569.34	42.60	526.74	6	BAL-27	.02		351	S437-0013; S24-00676	4	4
L2473175-03 WATER	12/23/24 13:50 **5-4, 716.**	Olivia Guimaraes	559.15	42.20	516.95	6	BAL-27	.02		351	S437-0013; S24-00676	4	4
L2475089-02 SAMP	12/23/24 13:50 **5-5, E16.**	Olivia Guimaraes	592.89	42.22	550.67	6	BAL-27	.02		351	S437-0013; S24-00676	4	4

ORGANIC ELN REPORT

Workgroup: WG2012727

Sample/ Type	Extraction												Concentration	
	Extract Date	Analyst	Initial Sample Weight	Final Weight **g**	Sample Vol **g**	Ph	Balance Id	Surr Amt **ml**	Spike Amt **ml**	Pipette Id	Lot: Spe Cartridge	Flow Rate **ml/min**	Final Vol **ml**	
WG2012727-1 BLANK	12/23/24 13:50 **6-1, 912.**	Olivia Guimaraes	540	40	500	6	BAL-27	.02		351	S437-0013; S24-00676	4	4	**Final spike performed on pipett 322 and witnessed by MFR. ONG 12/23/24**
WG2012727-2 LCS	12/23/24 13:50 **6-2, 501.** **Low LCS Lot #: EPA1633F_241218_10X**	Olivia Guimaraes	540	40	500	6	BAL-27	.02	0.064	351, 364	S437-0013; S24-00676	4	4	
WG2012727-3 LCS	12/23/24 13:50 **6-3, 300.**	Olivia Guimaraes	540	40	500	6	BAL-27	.02	0.04	351, 364	S437-0013; S24-00676	4	4	
WG2012727-4 MS	12/23/24 13:50 **6-6, 420.**	Olivia Guimaraes	574.23	42.31	531.92	6	BAL-27	.02	0.04	351, 364	S437-0013; S24-00676	4	4	
WG2012727-5 MSD	12/23/24 13:50 **7-1, 416.**	Olivia Guimaraes	593.82	42.65	551.17	6	BAL-27	.02	0.04	351, 364	S437-0013; S24-00676	4	4	