ATTACHMENT G

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PFAS via Draft Method 1633

Semivolatiles QC Summary

Laboratory Control Sample (Low Level) Summary
Form 3
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Matrix (Level)	: WATER ()		
LCS Sample ID	: WG2037864-2	**Analysis Date** : 03/11/25 07:39	**File ID** : SCI09_250311_13.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	14.5	113				-	70-140	30
Perfluoropentanoic Acid (PFPeA)	6.4	6.78	106				-	65-135	30
Perfluorobutanesulfonic Acid (PFBS)	2.84	3.00	106				-	60-145	30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	12	14.1	117				-	70-145	30
Perfluorohexanoic Acid (PFHxA)	3.2	3.58	112				-	70-145	30
Perfluoropentanesulfonic Acid (PFPeS)	3.01	3.23	107				-	65-140	30
Perfluoroheptanoic Acid (PFHpA)	3.2	3.22	100				-	70-150	30
Perfluorohexanesulfonic Acid (PFHxS)	2.93	3.07	105				-	65-145	30
Perfluorooctanoic Acid (PFOA)	3.2	3.63	114				-	70-150	30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	12.2	14.4	118				-	65-155	30
Perfluoroheptanesulfonic Acid (PFHpS)	3.05	3.74	123				-	70-150	30
Perfluorononanoic Acid (PFNA)	3.2	3.72	116				-	70-150	30
Perfluorooctanesulfonic Acid	2.97	3.59	121				-	55-150	30

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	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	3.48	109				-	70-140	30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	12.3	13.0	106				-	60-150	30
Perfluorononanesulfonic Acid (PFNS)	3.08	3.45	112				-	65-145	30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	3.2	4.10	128				-	50-140	30
Perfluoroundecanoic Acid (PFUnA)	3.2	3.74	117				-	70-145	30
Perfluorodecanesulfonic Acid (PFDS)	3.08	3.19	103				-	60-145	30
Perfluorooctanesulfonamide (PFOSA)	3.2	3.77	118				-	70-145	30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	3.2	3.22	100				-	70-145	30
Perfluorododecanoic Acid (PFDoA)	3.2	3.69	115				-	70-140	30
Perfluorotridecanoic Acid (PFTrDA)	3.2	3.85	120				-	65-140	30

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	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	3.62	113				-	60-140	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	12.8	13.8	108				-	70-140	30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	12.1	12.1	100				-	65-145	30
Perfluorododecanesulfonic Acid (PFDoS)	3.11	3.21	103				-	50-145	30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	11.9	15.2	128				-	70-155	30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	12.1	15.1	125				-	55-160	30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	3.2	4.01	125				-	60-150	30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	3.2	3.78	118				-	65-145	30
N-Methyl Perfluorooctanesulfonami	32	35.6	111				-	70-145	30

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	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	37.1	116				-	70-135	30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	6.4	6.95	109				-	55-140	30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	6.4	7.48	117				-	60-150	30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	5.71	6.07	106				-	70-140	30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	6.4	7.37	115				-	50-150	30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	16	18.2	114				-	65-130	30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	80	84.1	105				-	70-135	30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	80	64.0	80				-	50-145	30

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Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Matrix (Level)	: WATER ()		
LCS Sample ID	: WG2037864-3	**Analysis Date** : 03/11/25 07:48	**File ID** : SCI09_250311_14.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	86.0	108				-	70-140	30
Perfluoropentanoic Acid (PFPeA)	40	41.8	104				-	65-135	30
Perfluorobutanesulfonic Acid (PFBS)	17.8	19.9	112				-	60-145	30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	75	85.5	114				-	70-145	30
Perfluorohexanoic Acid (PFHxA)	20	20.7	104				-	70-145	30
Perfluoropentanesulfonic Acid (PFPeS)	18.8	22.6	120				-	65-140	30
Perfluoroheptanoic Acid (PFHpA)	20	15.2	76				-	70-150	30
Perfluorohexanesulfonic Acid (PFHxS)	18.3	20.9	114				-	65-145	30
Perfluorooctanoic Acid (PFOA)	20	20.6	103				-	70-150	30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	76.1	81.4	107				-	65-155	30
Perfluoroheptanesulfonic Acid (PFHpS)	19	21.5	113				-	70-150	30
Perfluorononanoic Acid (PFNA)	20	22.4	112				-	70-150	30
Perfluorooctanesulfonic Acid	18.6	19.6	105				-	55-150	30

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Matrix (Level)	: WATER ()		
LCS Sample ID	: WG2037864-3	**Analysis Date** : 03/11/25 07:48	**File ID** : SCI09_250311_14.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	21.4	107				-	70-140	30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	76.8	82.6	108				-	60-150	30
Perfluorononanesulfonic Acid (PFNS)	19.3	21.5	112				-	65-145	30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	20	19.3	96				-	50-140	30
Perfluoroundecanoic Acid (PFUnA)	20	21.0	105				-	70-145	30
Perfluorodecanesulfonic Acid (PFDS)	19.3	22.1	115				-	60-145	30
Perfluorooctanesulfonamide (PFOSA)	20	21.5	107				-	70-145	30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	20	19.8	99				-	70-145	30
Perfluorododecanoic Acid (PFDoA)	20	22.2	111				-	70-140	30
Perfluorotridecanoic Acid (PFTrDA)	20	22.0	110				-	65-140	30

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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	22.4	112				-	60-140	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	80	83.6	104				-	70-140	30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	75.6	49.4	65				-	65-145	30
Perfluorododecanesulfonic Acid (PFDoS)	19.4	20.5	105				-	50-145	30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	74.6	93.6	125				-	70-155	30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	75.4	96.4	128				-	55-160	30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	20	20.8	104				-	60-150	30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	20	20.6	103				-	65-145	30
N-Methyl Perfluorooctanesulfonami	200	211	105				-	70-145	30

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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	213	107				-	70-135	30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	40	39.9	100				-	55-140	30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	40	43.9	110				-	60-150	30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	35.7	38.8	109				-	70-140	30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	40	41.4	103				-	50-150	30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	100	114	114				-	65-130	30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	500	493	99				-	70-135	30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	500	440	88				-	50-145	30

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Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Matrix (Level)	: WATER ()		
LCS Sample ID	: WG2041145-2 **Analysis Date** : 03/18/25 00:26	**File ID**	: SCI07_250317_40.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	13.6	106				-	70-140	30
Perfluoropentanoic Acid (PFPeA)	6.4	6.18	96				-	65-135	30
Perfluorobutanesulfonic Acid (PFBS)	2.84	2.83	100				-	60-145	30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	12	13.8	115				-	70-145	30
Perfluorohexanoic Acid (PFHxA)	3.2	3.19	100				-	70-145	30
Perfluoropentanesulfonic Acid (PFPeS)	3.01	3.27	109				-	65-140	30
Perfluoroheptanoic Acid (PFHpA)	3.2	2.84	89				-	70-150	30
Perfluorohexanesulfonic Acid (PFHxS)	2.93	2.67	91				-	65-145	30
Perfluorooctanoic Acid (PFOA)	3.2	3.31	104				-	70-150	30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	12.2	13.7	112				-	65-155	30
Perfluoroheptanesulfonic Acid (PFHpS)	3.05	3.51	115				-	70-150	30
Perfluorononanoic Acid (PFNA)	3.2	3.18	99				-	70-150	30
Perfluorooctanesulfonic Acid	2.97	2.95	99				-	55-150	30

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	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	3.26	102				-	70-140	30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	12.3	15.0	122				-	60-150	30
Perfluorononanesulfonic Acid (PFNS)	3.08	3.38	109				-	65-145	30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	3.2	2.59	81				-	50-140	30
Perfluoroundecanoic Acid (PFUnA)	3.2	3.32	104				-	70-145	30
Perfluorodecanesulfonic Acid (PFDS)	3.08	2.66	86				-	60-145	30
Perfluorooctanesulfonamide (PFOSA)	3.2	3.28	102				-	70-145	30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	3.2	3.09	96				-	70-145	30
Perfluorododecanoic Acid (PFDoA)	3.2	3.61	113				-	70-140	30
Perfluorotridecanoic Acid (PFTrDA)	3.2	3.38	106				-	65-140	30

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	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	3.62	113				-	60-140	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	12.8	15.4	120				-	70-140	30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	12.1	11.7	96				-	65-145	30
Perfluorododecanesulfonic Acid (PFDoS)	3.11	2.99	96				-	50-145	30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	11.9	12.6	105				-	70-155	30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	12.1	11.7	97				-	55-160	30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	3.2	3.40	106				-	60-150	30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	3.2	3.22	100				-	65-145	30
N-Methyl Perfluorooctanesulfonami	32	29.5	92				-	70-145	30

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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
do Ethanol (NMeFOSE)									
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	32	32.0	100				-	70-135	30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	6.4	6.28	98				-	55-140	30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	6.4	6.31	99				-	60-150	30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	5.71	5.70	100				-	70-140	30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	6.4	6.18	96				-	50-150	30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	16	16.3	102				-	65-130	30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	80	81.3	102				-	70-135	30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	80	72.5	91				-	50-145	30

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Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Matrix (Level)	: WATER ()		
LCS Sample ID	: WG2041145-3	**Analysis Date** : 03/18/25 00:35	**File ID** : SCI07_250317_41.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	83.6	104				-	70-140	30
Perfluoropentanoic Acid (PFPeA)	40	39.7	99				-	65-135	30
Perfluorobutanesulfonic Acid (PFBS)	17.8	18.6	105				-	60-145	30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	75	76.4	102				-	70-145	30
Perfluorohexanoic Acid (PFHxA)	20	23.0	115				-	70-145	30
Perfluoropentanesulfonic Acid (PFPeS)	18.8	20.0	107				-	65-140	30
Perfluoroheptanoic Acid (PFHpA)	20	20.3	102				-	70-150	30
Perfluorohexanesulfonic Acid (PFHxS)	18.3	18.1	99				-	65-145	30
Perfluorooctanoic Acid (PFOA)	20	21.6	108				-	70-150	30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	76.1	82.4	108				-	65-155	30
Perfluoroheptanesulfonic Acid (PFHpS)	19	19.8	104				-	70-150	30
Perfluorononanoic Acid (PFNA)	20	19.0	95				-	70-150	30
Perfluorooctanesulfonic Acid	18.6	18.7	101				-	55-150	30

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Matrix (Level)	: WATER ()		
LCS Sample ID	: WG2041145-3	**Analysis Date** : 03/18/25 00:35	**File ID** : SCI07_250317_41.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	18.6	93				-	70-140	30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	76.8	87.8	114				-	60-150	30
Perfluorononanesulfonic Acid (PFNS)	19.3	19.2	100				-	65-145	30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	20	18.9	95				-	50-140	30
Perfluoroundecanoic Acid (PFUnA)	20	18.8	94				-	70-145	30
Perfluorodecanesulfonic Acid (PFDS)	19.3	18.9	98				-	60-145	30
Perfluorooctanesulfonamide (PFOSA)	20	19.5	97				-	70-145	30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	20	18.5	93				-	70-145	30
Perfluorododecanoic Acid (PFDoA)	20	19.4	97				-	70-140	30
Perfluorotridecanoic Acid (PFTrDA)	20	21.0	105				-	65-140	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Matrix (Level)	: WATER ()		
LCS Sample ID	: WG2041145-3	**Analysis Date** : 03/18/25 00:35	**File ID** : SCI07_250317_41.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	21.0	105				-	60-140	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	80	69.1	86				-	70-140	30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	75.6	73.3	97				-	65-145	30
Perfluorododecanesulfonic Acid (PFDoS)	19.4	18.4	95				-	50-145	30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	74.6	77.8	104				-	70-155	30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	75.4	75.6	100				-	55-160	30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	20	20.8	104				-	60-150	30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	20	18.0	90				-	65-145	30
N-Methyl Perfluorooctanesulfonami	200	185	92				-	70-145	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Matrix (Level)	: WATER ()		
LCS Sample ID	: WG2041145-3 **Analysis Date** : 03/18/25 00:35	**File ID**	: SCI07_250317_41.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	198	99				-	70-135	30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	40	38.5	96				-	55-140	30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	40	41.0	102				-	60-150	30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	35.7	43.1	121				-	70-140	30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	40	44.3	111				-	50-150	30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	100	85.6	86				-	65-130	30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	500	579	116				-	70-135	30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	500	361	72				-	50-145	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: 8A	**Matrix (Level)**	: WATER ()
Lab Sample ID	: L2512368-10	**Analysis Date**	: 03/11/25 10:33
Matrix Spike	: WG2037864-6	**MS Analysis Date**	: 03/11/25 10:42
Matrix Spike Dup	: WG2037864-7	**MSD Analysis Date**	: 03/11/25 10:51

		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)	2.18J	71.8	65.7	88	76.7	81.4	103	21	70-140	30
Perfluoropentanoic Acid (PFPeA)	1.51J	35.9	33.3	88	38.4	39.1	98	16	65-135	30
Perfluorobutanesulfonic Acid (PFBS)	2.21	15.9	16.5	90	17	18.6	96	12	60-145	30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	67.3	66.9	99	71.9	71.4	99	7	70-145	30
Perfluorohexanoic Acid (PFHxA)	1.88	18	18.2	91	19.2	19.5	92	7	70-145	30
Perfluoropentanesulfonic Acid (PFPeS)	0.228J	16.9	17.0	99	18	20.2	111	17	65-140	30
Perfluoroheptanoic Acid (PFHpA)	1.98	18	19.6	98	19.2	21.5	102	9	70-150	30
Perfluorohexanesulfonic Acid (PFHxS)	1.15J	16.4	17.1	97	17.6	17.4	92	2	65-145	30
Perfluorooctanoic Acid (PFOA)	5.51	18	20.3	82	19.2	24.8	101	20	70-150	30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	68.3	63.4	93	73	70.5	97	11	65-155	30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	17.1	15.0	88	18.3	20.3	111	30	70-150	30
Perfluorononanoic Acid (PFNA)	0.281J	18	15.4	84	19.2	18.6	96	19	70-150	30
Perfluorooctanesulfonic Acid (PFOS)	1.21J	16.6	13.1	71	17.8	16.9	88	25	55-150	30
Perfluorodecanoic Acid (PFDA)	ND	18	15.6	87	19.2	20.1	105	25	70-140	30
1H,1H,2H,2H-Perfluorodecanesulfon	ND	68.9	63.1	92	73.7	75.7	103	18	60-150	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Client Sample ID	: 8A	Matrix (Level)	: WATER ()
Lab Sample ID	: L2512368-10	Analysis Date	: 03/11/25 10:33
Matrix Spike	: WG2037864-6	MS Analysis Date	: 03/11/25 10:42
Matrix Spike Dup	: WG2037864-7	MSD Analysis Date	: 03/11/25 10:51

		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	17.3	12.9	74	18.5	16.6	90	25	65-145	30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	18	14.1	78	19.2	18.9	98	29	50-140	30
Perfluoroundecanoic Acid (PFUnA)	ND	18	15.2	85	19.2	19.9	104	27	70-145	30
Perfluorodecanesulfonic Acid (PFDS)	ND	17.3	12.7	73	18.5	16.1	87	24	60-145	30
Perfluorooctanesulfonamide (PFOSA)	ND	18	14.4	80	19.2	19.3	101	29	70-145	30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	18	14.2	79	19.2	15.1	79	6	70-145	30
Perfluorododecanoic Acid (PFDoA)	ND	18	14.3	80	19.2	19.2	100	29	70-140	30
Perfluorotridecanoic Acid (PFTrDA)	ND	18	14.2	79	19.2	19.1	100	29	65-140	30
Perfluorotetradecanoic Acid (PFTeDA)	ND	18	14.5	81	19.2	20.7	108	35 Q	60-140	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	71.8	63.8	89	76.7	76.8	100	18	70-140	30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	67.8	64.2	95	72.5	66.0	91	3	65-145	30
Perfluorododecanesulfonic Acid	ND	17.4	12.9	74	18.6	15.3	82	17	50-145	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Client Sample ID	: 8A	Matrix (Level)	: WATER ()
Lab Sample ID	: L2512368-10	Analysis Date	: 03/11/25 10:33
Matrix Spike	: WG2037864-6	MS Analysis Date	: 03/11/25 10:42
Matrix Spike Dup	: WG2037864-7	MSD Analysis Date	: 03/11/25 10:51

		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	67	57.3	86	71.6	71.4	100	22		70-155	30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	67.7	55.0	81	72.4	68.1	94	21		55-160	30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	18	13.6	76	19.2	18.7	98	32	Q	60-150	30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	18	12.0	67	19.2	17.2	90	36	Q	65-145	30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	180	137	76	192	180	94	27		70-145	30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	180	138	77	192	181	94	27		70-135	30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	35.9	31.8	89	38.4	40.2	105	23		55-140	30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	35.9	33.3	93	38.4	37.9	99	13		60-150	30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	32	29.7	93	34.2	32.6	95	9		70-140	30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	35.9	33.8	94	38.4	34.8	91	3		50-150	30
3-Perfluoropropyl Propanoic Acid	ND	89.8	82.6	92	95.9	97.2	101	16		65-130	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: 8A	**Matrix (Level)**	: WATER ()
Lab Sample ID	: L2512368-10	**Analysis Date**	: 03/11/25 10:33
Matrix Spike	: WG2037864-6	**MS Analysis Date**	: 03/11/25 10:42
Matrix Spike Dup	: WG2037864-7	**MSD Analysis Date**	: 03/11/25 10:51

		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	449	404	90	480	475	99	16	70-135	30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND	449	354	79	480	435	91	21	50-145	30

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: P. W. Grosser
Project Name: ROANOKE SAND AND GRAVEL

Lab Number: L2512368
Project Number: BSD1504
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S1 ()	S2 ()	S3 ()	S4 ()	S5 ()	S6 ()	S7 ()
6A (L2512368-04)	104	107	106	115	120	113	104
8A (L2512368-10)	95	88	97	89	90	121	92
10A (L2512368-16RE)	89	82	90	102	74	84	83
DUP001 (L2512368-19)	103	94	100	105	99	103	101
FIELD BLANK (L2512368-20)	95	91	95	82	93	91	98
3A (L2512368-21RE)	98	94	95	128	87	98	89
WG2037864-1BLANK	100	107	108	89	105	113	101
WG2037864-2LCS	97	92	96	80	94	104	92
WG2037864-3LCS	79	78	81	68	82	111	74
8AMS	102	98	97	94	95	96	88
8AMSD	107	105	108	106	112	111	110
WG2041145-1BLANK	102	112	107	106	109	123	99
WG2041145-2LCS	98	103	96	88	108	112	99
WG2041145-3LCS	98	101	94	100	89	101	94

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: P. W. Grosser
Project Name: ROANOKE SAND AND GRAVEL

Lab Number: L2512368
Project Number: BSD1504
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S8 ()	S9 ()	S10 ()	S11 ()	S12 ()	S13 ()	S14 ()
6A (L2512368-04)	100	113	102	92	94	97	75
8A (L2512368-10)	90	87	85	86	79	82	74
10A (L2512368-16RE)	80	97	88	79	93	78	63
DUP001 (L2512368-19)	103	115	95	89	87	83	69
FIELD BLANK (L2512368-20)	91	93	92	82	86	82	67
3A (L2512368-21RE)	105	118	96	85	93	85	57
WG2037864-1BLANK	105	97	92	82	82	73	60
WG2037864-2LCS	98	87	94	87	93	83	58
WG2037864-3LCS	76	81	77	80	83	76	65
8AMS	92	106	96	106	95	91	88
8AMSD	98	111	107	102	90	97	82
WG2041145-1BLANK	123	108	96	95	96	104	95
WG2041145-2LCS	113	102	98	107	98	91	91
WG2041145-3LCS	103	98	111	93	100	104	61

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: P. W. Grosser
Project Name: ROANOKE SAND AND GRAVEL

Lab Number: L2512368
Project Number: BSD1504
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S15 ()	S16 ()	S17 ()	S18 ()	S19 ()	S20 ()	S21 ()
6A (L2512368-04)	90	86	87	88	86	104	77
8A (L2512368-10)	75	82	81	72	75	87	79
10A (L2512368-16RE)	82	77	68	77	77	72	70
DUP001 (L2512368-19)	78	82	75	74	69	92	63
FIELD BLANK (L2512368-20)	77	76	78	68	63	88	60
3A (L2512368-21RE)	83	75	84	77	76	82	58
WG2037864-1BLANK	70	82	68	66	71	108	68
WG2037864-2LCS	84	89	72	82	88	92	47
WG2037864-3LCS	85	89	73	78	82	84	70
8AMS	89	94	94	93	92	100	86
8AMSD	85	90	93	80	79	105	89
WG2041145-1BLANK	103	95	94	89	96	101	60
WG2041145-2LCS	89	102	101	88	89	92	77
WG2041145-3LCS	95	82	89	83	90	106	52

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: P. W. Grosser
Project Name: ROANOKE SAND AND GRAVEL

Lab Number: L2512368
Project Number: BSD1504
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S22 ()	S23 ()	S24 ()	S25 ()	S26 ()	S27 ()	S28 ()	TOT OUT
6A (L2512368-04)	81	85	85	--	--	--	--	0
8A (L2512368-10)	79	81	83	--	--	--	--	0
10A (L2512368-16RE)	69	74	70	--	--	--	--	0
DUP001 (L2512368-19)	66	76	73	--	--	--	--	0
FIELD BLANK (L2512368-20)	64	71	74	--	--	--	--	0
3A (L2512368-21RE)	65	64	62	--	--	--	--	0
WG2037864-1BLANK	70	79	77	--	--	--	--	0
WG2037864-2LCS	49	83	78	--	--	--	--	0
WG2037864-3LCS	75	89	90	--	--	--	--	0
8AMS	91	93	94	--	--	--	--	0
8AMSD	93	88	87	--	--	--	--	0
WG2041145-1BLANK	62	85	76	--	--	--	--	0
WG2041145-2LCS	77	86	78	--	--	--	--	0
WG2041145-3LCS	61	76	72	--	--	--	--	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	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab Sample ID	: WG2037864-1	**Lab File ID**	: SCI09_250311_12.wiff2
Instrument ID	: LCMS09	**Extraction Date**	: 03/08/25
Matrix	: WATER	**Analysis Date**	: 03/11/25 07:30
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG2037864-2LCS	WG2037864-2	03/11/25 07:39
WG2037864-3LCS	WG2037864-3	03/11/25 07:48
6A	L2512368-04	03/11/25 10:24
8A	L2512368-10	03/11/25 10:33
8AMS	WG2037864-6	03/11/25 10:42
8AMSD	WG2037864-7	03/11/25 10:51
DUP001	L2512368-19	03/11/25 11:00
FIELD BLANK	L2512368-20	03/11/25 11:08

Method Blank Summary
Form 4
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab Sample ID	: WG2041145-1	**Lab File ID**	: SCI07_250317_39.wiff2
Instrument ID	: LCMS07	**Extraction Date**	: 03/17/25
Matrix	: WATER	**Analysis Date**	: 03/18/25 00:17
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG2041145-2LCS	WG2041145-2	03/18/25 00:26
WG2041145-3LCS	WG2041145-3	03/18/25 00:35
10A	L2512368-16RE	03/18/25 00:53
3A	L2512368-21RE	03/18/25 01:02

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)
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Date Created: 11/21/24
Created By: Jason Hebert
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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 (	*NONE*									*10-130*		

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Date Created: 11/21/24
Created By: Jason Hebert
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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)
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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	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2512368-04	**Date Collected**	: 03/05/25 09:25
Client ID	: 6A	**Date Received**	: 03/05/25
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 03/11/25 10:24
Sample Matrix	: WATER	**Date Extracted**	: 03/08/25
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI09_250311_30	**Analyst**	: AC
Sample Amount	: 509.84 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)	2.37	6.28	0.518	J
2706-90-3	Perfluoropentanoic Acid (PFPeA)	1.52	3.14	0.353	J
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	0.988	1.57	0.392	J
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	6.28	0.894	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	1.70	1.57	0.243	
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ND	1.57	0.204	U
375-85-9	Perfluoroheptanoic Acid (PFHpA)	1.41	1.57	0.235	J
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	2.76	1.57	0.133	
335-67-1	Perfluorooctanoic Acid (PFOA)	6.14	1.57	0.259	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	6.28	4.72	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	0.212	1.57	0.196	J
375-95-1	Perfluorononanoic Acid (PFNA)	2.38	1.57	0.259	
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	16.7	1.57	0.259	
335-76-2	Perfluorodecanoic Acid (PFDA)	0.345	1.57	0.204	J
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	6.28	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	0.471	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.57	0.173	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2512368-04	**Date Collected**	: 03/05/25 09:25
Client ID	: 6A	**Date Received**	: 03/05/25
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 03/11/25 10:24
Sample Matrix	: WATER	**Date Extracted**	: 03/08/25
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI09_250311_30	**Analyst**	: AC
Sample Amount	: 509.84 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	0.133	U
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND	1.57	0.094	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.57	0.471	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.57	0.212	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.57	0.180	U
376-06-7	Perfluorotetradecanoic Acid (PFTeDA)	ND	1.57	0.157	U
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	6.28	1.57	U
919005-14-4	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	6.28	0.369	U
79780-39-5	Perfluorododecanesulfonic Acid (PFDoS)	ND	1.57	0.235	U
756426-58-1	9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	6.28	0.432	U
763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	6.28	0.439	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	0.345	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	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2512368-04	**Date Collected**	: 03/05/25 09:25
Client ID	: 6A	**Date Received**	: 03/05/25
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 03/11/25 10:24
Sample Matrix	: WATER	**Date Extracted**	: 03/08/25
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI09_250311_30	**Analyst**	: AC
Sample Amount	: 509.84 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	0.243	U
863090-89-5	Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	3.14	0.353	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	7.84	0.526	U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic Acid (5: 3FTCA)	ND	39.2	4.17	U
812-70-4	3-Perfluoroheptyl Propanoic Acid (7: 3FTCA)	ND	39.2	3.12	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2512368-10	**Date Collected**	: 03/05/25 16:20
Client ID	: 8A	**Date Received**	: 03/05/25
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 03/11/25 10:33
Sample Matrix	: WATER	**Date Extracted**	: 03/08/25
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI09_250311_31	**Analyst**	: AC
Sample Amount	: 526.26 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)	2.18	6.08	0.502	J
2706-90-3	Perfluoropentanoic Acid (PFPeA)	1.51	3.04	0.342	J
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	2.21	1.52	0.380	
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	6.08	0.866	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	1.88	1.52	0.236	
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	0.228	1.52	0.198	J
375-85-9	Perfluoroheptanoic Acid (PFHpA)	1.98	1.52	0.228	
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	1.15	1.52	0.129	J
335-67-1	Perfluorooctanoic Acid (PFOA)	5.51	1.52	0.251	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	6.08	4.58	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.52	0.190	U
375-95-1	Perfluorononanoic Acid (PFNA)	0.281	1.52	0.251	J
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	1.21	1.52	0.251	J
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	1.52	0.198	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	6.08	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	0.456	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.52	0.167	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2512368-10	**Date Collected**	: 03/05/25 16:20
Client ID	: 8A	**Date Received**	: 03/05/25
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 03/11/25 10:33
Sample Matrix	: WATER	**Date Extracted**	: 03/08/25
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI09_250311_31	**Analyst**	: AC
Sample Amount	: 526.26 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	0.456	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.52	0.205	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.52	0.175	U
376-06-7	Perfluorotetradecanoic Acid (PFTeDA)	ND	1.52	0.152	U
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	6.08	1.52	U
919005-14-4	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	6.08	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	6.08	0.418	U
763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	6.08	0.426	U
31506-32-8	N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.52	0.213	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	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2512368-10	**Date Collected**	: 03/05/25 16:20
Client ID	: 8A	**Date Received**	: 03/05/25
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 03/11/25 10:33
Sample Matrix	: WATER	**Date Extracted**	: 03/08/25
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI09_250311_31	**Analyst**	: AC
Sample Amount	: 526.26 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	0.236	U
863090-89-5	Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	3.04	0.342	U
113507-82-7	Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	3.04	0.312	U
151772-58-6	Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	3.04	0.517	U
356-02-5	3-Perfluoropropyl Propanoic Acid (3: 3FTCA)	ND	7.60	0.509	U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic Acid (5: 3FTCA)	ND	38.0	4.04	U
812-70-4	3-Perfluoroheptyl Propanoic Acid (7: 3FTCA)	ND	38.0	3.02	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2512368-16RE	**Date Collected**	: 03/05/25 12:45
Client ID	: 10A	**Date Received**	: 03/05/25
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 03/18/25 00:53
Sample Matrix	: WATER	**Date Extracted**	: 03/17/25
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI07_250317_43	**Analyst**	: SL
Sample Amount	: 501.91 g	**Instrument ID**	: LCMS07
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)	1.85	6.38	0.526	J
2706-90-3	Perfluoropentanoic Acid (PFPeA)	2.28	3.19	0.359	J
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	1.95	1.59	0.398	
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	6.38	0.908	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	2.13	1.59	0.247	
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ND	1.59	0.207	U
375-85-9	Perfluoroheptanoic Acid (PFHpA)	1.19	1.59	0.239	J
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	0.502	1.59	0.135	J
335-67-1	Perfluorooctanoic Acid (PFOA)	1.59	1.59	0.263	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	6.38	4.80	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.59	0.199	U
375-95-1	Perfluorononanoic Acid (PFNA)	ND	1.59	0.263	U
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	1.60	1.59	0.263	
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	1.59	0.207	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	6.38	1.22	U
68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ND	1.59	0.199	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.59	0.478	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.59	0.175	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2512368-16RE	**Date Collected**	: 03/05/25 12:45
Client ID	: 10A	**Date Received**	: 03/05/25
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 03/18/25 00:53
Sample Matrix	: WATER	**Date Extracted**	: 03/17/25
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI07_250317_43	**Analyst**	: SL
Sample Amount	: 501.91 g	**Instrument ID**	: LCMS07
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	1.59	0.135	U
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND	1.59	0.096	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.59	0.478	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.59	0.215	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.59	0.183	U
376-06-7	Perfluorotetradecanoic Acid (PFTeDA)	ND	1.59	0.159	U
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	6.38	1.59	U
919005-14-4	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	6.38	0.374	U
79780-39-5	Perfluorododecanesulfonic Acid (PFDoS)	ND	1.59	0.239	U
756426-58-1	9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	6.38	0.438	U
763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	6.38	0.446	U
31506-32-8	N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.59	0.223	U
4151-50-2	N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	1.59	0.351	U
24448-09-7	N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	15.9	1.30	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2512368-16RE	**Date Collected**	: 03/05/25 12:45
Client ID	: 10A	**Date Received**	: 03/05/25
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 03/18/25 00:53
Sample Matrix	: WATER	**Date Extracted**	: 03/17/25
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI07_250317_43	**Analyst**	: SL
Sample Amount	: 501.91 g	**Instrument ID**	: LCMS07
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	15.9	1.10	U
377-73-1	Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	3.19	0.247	U
863090-89-5	Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	3.19	0.359	U
113507-82-7	Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	3.19	0.327	U
151772-58-6	Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	3.19	0.542	U
356-02-5	3-Perfluoropropyl Propanoic Acid (3: 3FTCA)	ND	7.97	0.534	U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic Acid (5: 3FTCA)	ND	39.8	4.24	U
812-70-4	3-Perfluoroheptyl Propanoic Acid (7: 3FTCA)	ND	39.8	3.17	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2512368-19	**Date Collected**	: 03/05/25 00:00
Client ID	: DUP001	**Date Received**	: 03/05/25
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 03/11/25 11:00
Sample Matrix	: WATER	**Date Extracted**	: 03/08/25
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI09_250311_34	**Analyst**	: AC
Sample Amount	: 512.54 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)	1.61	6.24	0.515	J
2706-90-3	Perfluoropentanoic Acid (PFPeA)	2.32	3.12	0.351	J
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	2.07	1.56	0.390	
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	6.24	0.890	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	2.04	1.56	0.242	
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ND	1.56	0.203	U
375-85-9	Perfluoroheptanoic Acid (PFHpA)	0.952	1.56	0.234	J
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	0.578	1.56	0.133	J
335-67-1	Perfluorooctanoic Acid (PFOA)	1.85	1.56	0.258	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	6.24	4.70	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.56	0.195	U
375-95-1	Perfluorononanoic Acid (PFNA)	ND	1.56	0.258	U
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	1.53	1.56	0.258	J
335-76-2	Perfluorodecanoic Acid (PFDA)	0.226	1.56	0.203	J
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	6.24	1.19	U
68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ND	1.56	0.195	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.56	0.468	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.56	0.172	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2512368-19	**Date Collected**	: 03/05/25 00:00
Client ID	: DUP001	**Date Received**	: 03/05/25
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 03/11/25 11:00
Sample Matrix	: WATER	**Date Extracted**	: 03/08/25
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI09_250311_34	**Analyst**	: AC
Sample Amount	: 512.54 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	1.56	0.133	U
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND	1.56	0.094	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.56	0.468	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.56	0.211	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.56	0.179	U
376-06-7	Perfluorotetradecanoic Acid (PFTeDA)	ND	1.56	0.156	U
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	6.24	1.56	U
919005-14-4	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	6.24	0.367	U
79780-39-5	Perfluorododecanesulfonic Acid (PFDoS)	ND	1.56	0.234	U
756426-58-1	9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	6.24	0.429	U
763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	6.24	0.437	U
31506-32-8	N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.56	0.218	U
4151-50-2	N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	1.56	0.343	U
24448-09-7	N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	15.6	1.27	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2512368-19	**Date Collected**	: 03/05/25 00:00
Client ID	: DUP001	**Date Received**	: 03/05/25
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 03/11/25 11:00
Sample Matrix	: WATER	**Date Extracted**	: 03/08/25
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI09_250311_34	**Analyst**	: AC
Sample Amount	: 512.54 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	15.6	1.08	U
377-73-1	Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	3.12	0.242	U
863090-89-5	Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	3.12	0.351	U
113507-82-7	Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	3.12	0.320	U
151772-58-6	Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	3.12	0.531	U
356-02-5	3-Perfluoropropyl Propanoic Acid (3: 3FTCA)	ND	7.80	0.523	U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic Acid (5: 3FTCA)	ND	39.0	4.15	U
812-70-4	3-Perfluoroheptyl Propanoic Acid (7: 3FTCA)	ND	39.0	3.11	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2512368-20	**Date Collected**	: 03/04/25 12:00
Client ID	: FIELD BLANK	**Date Received**	: 03/05/25
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 03/11/25 11:08
Sample Matrix	: WATER	**Date Extracted**	: 03/08/25
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI09_250311_35	**Analyst**	: AC
Sample Amount	: 511.52 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	6.26	0.516	U
2706-90-3	Perfluoropentanoic Acid (PFPeA)	ND	3.13	0.352	U
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	ND	1.56	0.391	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	6.26	0.891	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	ND	1.56	0.242	U
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ND	1.56	0.203	U
375-85-9	Perfluoroheptanoic Acid (PFHpA)	ND	1.56	0.234	U
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	ND	1.56	0.133	U
335-67-1	Perfluorooctanoic Acid (PFOA)	ND	1.56	0.258	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	6.26	4.71	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.56	0.195	U
375-95-1	Perfluorononanoic Acid (PFNA)	ND	1.56	0.258	U
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	ND	1.56	0.258	U
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	1.56	0.203	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	6.26	1.20	U
68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ND	1.56	0.195	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.56	0.469	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.56	0.172	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2512368-20	**Date Collected**	: 03/04/25 12:00
Client ID	: FIELD BLANK	**Date Received**	: 03/05/25
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 03/11/25 11:08
Sample Matrix	: WATER	**Date Extracted**	: 03/08/25
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI09_250311_35	**Analyst**	: AC
Sample Amount	: 511.52 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	1.56	0.133	U
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND	1.56	0.094	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.56	0.469	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.56	0.211	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.56	0.180	U
376-06-7	Perfluorotetradecanoic Acid (PFTeDA)	ND	1.56	0.156	U
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	6.26	1.56	U
919005-14-4	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	6.26	0.368	U
79780-39-5	Perfluorododecanesulfonic Acid (PFDoS)	ND	1.56	0.234	U
756426-58-1	9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	6.26	0.430	U
763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	6.26	0.438	U
31506-32-8	N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.56	0.219	U
4151-50-2	N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	1.56	0.344	U
24448-09-7	N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	15.6	1.27	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2512368-20	**Date Collected**	: 03/04/25 12:00
Client ID	: FIELD BLANK	**Date Received**	: 03/05/25
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 03/11/25 11:08
Sample Matrix	: WATER	**Date Extracted**	: 03/08/25
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI09_250311_35	**Analyst**	: AC
Sample Amount	: 511.52 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	15.6	1.08	U
377-73-1	Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	3.13	0.242	U
863090-89-5	Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	3.13	0.352	U
113507-82-7	Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	3.13	0.321	U
151772-58-6	Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	3.13	0.532	U
356-02-5	3-Perfluoropropyl Propanoic Acid (3: 3FTCA)	ND	7.82	0.524	U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic Acid (5: 3FTCA)	ND	39.1	4.16	U
812-70-4	3-Perfluoroheptyl Propanoic Acid (7: 3FTCA)	ND	39.1	3.11	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2512368-21RE	**Date Collected**	: 03/04/25 12:25
Client ID	: 3A	**Date Received**	: 03/05/25
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 03/18/25 01:02
Sample Matrix	: WATER	**Date Extracted**	: 03/17/25
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI07_250317_44	**Analyst**	: SL
Sample Amount	: 510.72 g	**Instrument ID**	: LCMS07
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)	2.80	6.26	0.517	J
2706-90-3	Perfluoropentanoic Acid (PFPeA)	0.438	3.13	0.352	J
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	1.10	1.57	0.392	J
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	6.26	0.893	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	0.744	1.57	0.243	J
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	0.204	1.57	0.204	J
375-85-9	Perfluoroheptanoic Acid (PFHpA)	0.689	1.57	0.235	J
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	1.77	1.57	0.133	
335-67-1	Perfluorooctanoic Acid (PFOA)	4.34	1.57	0.258	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	6.26	4.71	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.57	0.196	U
375-95-1	Perfluorononanoic Acid (PFNA)	1.12	1.57	0.258	J
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	4.42	1.57	0.258	
335-76-2	Perfluorodecanoic Acid (PFDA)	0.532	1.57	0.204	J
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	6.26	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	0.470	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.57	0.172	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2512368-21RE	**Date Collected**	: 03/04/25 12:25
Client ID	: 3A	**Date Received**	: 03/05/25
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 03/18/25 01:02
Sample Matrix	: WATER	**Date Extracted**	: 03/17/25
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI07_250317_44	**Analyst**	: SL
Sample Amount	: 510.72 g	**Instrument ID**	: LCMS07
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	0.133	U
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND	1.57	0.094	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.57	0.470	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.57	0.211	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.57	0.180	U
376-06-7	Perfluorotetradecanoic Acid (PFTeDA)	ND	1.57	0.157	U
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	6.26	1.57	U
919005-14-4	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	6.26	0.368	U
79780-39-5	Perfluorododecanesulfonic Acid (PFDoS)	ND	1.57	0.235	U
756426-58-1	9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	6.26	0.431	U
763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	6.26	0.438	U
31506-32-8	N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.57	0.219	U
4151-50-2	N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	1.57	0.345	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	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2512368-21RE	**Date Collected**	: 03/04/25 12:25
Client ID	: 3A	**Date Received**	: 03/05/25
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 03/18/25 01:02
Sample Matrix	: WATER	**Date Extracted**	: 03/17/25
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI07_250317_44	**Analyst**	: SL
Sample Amount	: 510.72 g	**Instrument ID**	: LCMS07
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	3.13	0.243	U
863090-89-5	Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	3.13	0.352	U
113507-82-7	Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	3.13	0.321	U
151772-58-6	Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	3.13	0.532	U
356-02-5	3-Perfluoropropyl Propanoic Acid (3: 3FTCA)	ND	7.83	0.525	U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic Acid (5: 3FTCA)	ND	39.2	4.17	U
812-70-4	3-Perfluoroheptyl Propanoic Acid (7: 3FTCA)	ND	39.2	3.12	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2037864-1	**Date Collected**	: NA
Client ID	: WG2037864-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/11/25 07:30
Sample Matrix	: WATER	**Date Extracted**	: 03/08/25
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI09_250311_12	**Analyst**	: AC
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)	0.264	1.60	0.264	J
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	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2037864-1	**Date Collected**	: NA
Client ID	: WG2037864-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/11/25 07:30
Sample Matrix	: WATER	**Date Extracted**	: 03/08/25
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI09_250311_12	**Analyst**	: AC
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	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2037864-1	**Date Collected**	: NA
Client ID	: WG2037864-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/11/25 07:30
Sample Matrix	: WATER	**Date Extracted**	: 03/08/25
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI09_250311_12	**Analyst**	: AC
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

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2041145-1	**Date Collected**	: NA
Client ID	: WG2041145-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/18/25 00:17
Sample Matrix	: WATER	**Date Extracted**	: 03/17/25
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI07_250317_39	**Analyst**	: SL
Sample Amount	: 500 g	**Instrument ID**	: LCMS07
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	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2041145-1	**Date Collected**	: NA
Client ID	: WG2041145-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/18/25 00:17
Sample Matrix	: WATER	**Date Extracted**	: 03/17/25
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI07_250317_39	**Analyst**	: SL
Sample Amount	: 500 g	**Instrument ID**	: LCMS07
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	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2041145-1	**Date Collected**	: NA
Client ID	: WG2041145-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/18/25 00:17
Sample Matrix	: WATER	**Date Extracted**	: 03/17/25
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI07_250317_39	**Analyst**	: SL
Sample Amount	: 500 g	**Instrument ID**	: LCMS07
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\250311\SCI09_250311_30.wiff2_3
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

Method: EPA1633F_250303.qmethod
Calibration: 250303_1633_ICAL

ID: L2512368-04
Name: SCI09_250311_30.wiff2
Date & Time: 2025-03-11T10:24:27
Description: WG2038851,WG2037864,ICAL22044
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	0.59	213.0 / 169.0	44034	M4	0.302	N/A	N/A	N/A	N/A
2	PFPeA	2706-90-3	1.18	263.0 / 219.0	29030		0.194	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	1.93	313.0 / 269.0	45603		0.217	0.095	0.081	Pass	N/A
5	PFHxA_2	307-24-4	1.93	313.0 / 119.0	4329		0.242	0.095	0.081	Pass	N/A
6	PFHpA	375-85-9	2.50	363.1 / 319.0	38879		0.180	0.372	0.373	Pass	N/A
7	PFHpA_2	375-85-9	2.50	363.1 / 169.0	14479		0.169	0.372	0.373	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	3.00	413.1 / 369.1	172581	M5	0.783	0.339	0.424	Pass	N/A
9	PFOA_2	335-67-1	3.00	413.1 / 169.0	58471	M5	0.627	0.339	0.424	Pass	N/A
10	PFNA	375-95-1	3.44	462.8 / 418.9	41371		0.304	0.431	0.493	Pass	N/A
11	PFNA_2	375-95-1	3.44	462.8 / 219.0	17818		0.269	0.431	0.493	Pass	N/A
12	PFDA	335-76-2	3.86	513.1 / 469.1	7750		0.044	0.186	0.188	Pass	N/A
13	PFDA_2	335-76-2	3.86	513.1 / 219.0	1438	M2	0.044	0.186	0.188	Pass	N/A
14	PFUnA	2058-94-8	N/A	563.1 / 519.1	N/A		N/A	N/A	0.146	N/A	N/A
15	PFUnA_2	2058-94-8	N/A	563.1 / 269.0	N/A		N/A	N/A	0.146	N/A	N/A
16	PFDoA	307-55-1	N/A	613.1 / 569.1	N/A		N/A	N/A	0.142	N/A	N/A
17	PFDoA_2	307-55-1	N/A	613.1 / 319.0	N/A		N/A	N/A	0.142	N/A	N/A
18	PFTrDA	72629-94-8	N/A	663.1 / 619.1	N/A		N/A	N/A	0.152	N/A	N/A
19	PFTrDA_2	72629-94-8	N/A	663.1 / 169.0	N/A		N/A	N/A	0.152	N/A	N/A
20	PFTeDA	376-06-7	N/A	713.1 / 669.1	N/A		N/A	N/A	0.154	N/A	N/A
21	PFTeDA_2	376-06-7	N/A	713.1 / 169.0	N/A		N/A	N/A	0.154	N/A	N/A
22	PFBS	375-73-5	1.92	299.1 / 80.1	20173		0.126	0.352	0.374	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	1.92	299.1 / 99.1	7109	M4	0.128	0.352	0.374	Pass	N/A
24	PFPeS	2706-91-4	2.57	349.1 / 80.1	3184	M4	0.022	0.442	0.314	Pass	N/A
25	PFPeS_2	2706-91-4	2.57	349.1 / 99.1	1407	M2	0.030	0.442	0.314	Pass	N/A
26	PFHxS	355-46-4	3.10	399.1 / 80.1	47464	M5	0.352	0.264	0.306	Pass	N/A
27	PFHxS_2	355-46-4	3.10	399.1 / 99.1	12522	M5	0.320	0.264	0.306	Pass	N/A
28	PFHpS	375-92-8	3.57	449.1 / 80.1	3086	M4	0.027	0.201	0.316	Pass	N/A
29	PFHpS_2	375-92-8	3.56	449.1 / 99.1	620	M2	0.017	0.201	0.316	Pass	N/A
30	PFOS	1763-23-1	3.97	499.1 / 80.1	299310	M5	2.124	0.194	0.244	Pass	N/A
31	PFOS_2	1763-23-1	4.01	499.1 / 99.1	57991	M5	1.638	0.194	0.244	Pass	N/A
32	PFNS	68259-12-1	N/A	549.1 / 80.1	N/A		N/A	N/A	0.294	N/A	N/A
33	PFNS_2	68259-12-1	N/A	549.1 / 99.1	N/A		N/A	N/A	0.294	N/A	N/A
34	PFDS	335-77-3	N/A	599.1 / 80.1	N/A		N/A	N/A	0.290	N/A	N/A
35	PFDS_2	335-77-3	N/A	599.1 / 99.1	N/A		N/A	N/A	0.290	N/A	N/A
36	PFDoS	79780-39-5	N/A	699.2 / 80.1	N/A		N/A	N/A	0.256	N/A	N/A
37	PFDoS_2	79780-39-5	N/A	699.2 / 99.1	N/A		N/A	N/A	0.256	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	0.650	N/A	N/A
39	4:2FTS_2	757124-72-4	N/A	327.1 / 81.1	N/A		N/A	N/A	0.650	N/A	N/A
40	6:2FTS	27619-97-2	N/A	427.2 / 407.2	N/A		N/A	N/A	0.620	N/A	N/A
41	6:2FTS_2	27619-97-2	N/A	427.2 / 81.1	N/A		N/A	N/A	0.620	N/A	N/A
42	8:2FTS	39108-34-4	N/A	527.2 / 507.2	N/A		N/A	N/A	0.676	N/A	N/A
43	8:2FTS_2	39108-34-4	N/A	527.2 / 81.1	N/A		N/A	N/A	0.676	N/A	N/A
44	PFOSA	754-91-6	N/A	498.1 / 78.1	N/A		N/A	N/A	0.026	N/A	N/A
45	PFOSA_2	754-91-6	N/A	498.1 / 478.0	N/A		N/A	N/A	0.026	N/A	N/A
46	NMeFOSA	31506-32-8	N/A	512.2 / 219.0	N/A		N/A	N/A	1.377	N/A	N/A
47	NMeFOSA_2	31506-32-8	N/A	512.2 / 169.0	N/A		N/A	N/A	1.377	N/A	N/A
48	NEtFOSA	4151-50-2	N/A	526.2 / 219.0	N/A		N/A	N/A	1.292	N/A	N/A
49	NEtFOSA_2	4151-50-2	N/A	526.2 / 169.0	N/A		N/A	N/A	1.292	N/A	N/A
50	NMeFOSAA	2355-31-9	N/A	570.2 / 419.1	N/A		N/A	N/A	0.697	N/A	N/A
51	NMeFOSAA_2	2355-31-9	N/A	570.2 / 483.0	N/A		N/A	N/A	0.697	N/A	N/A
52	NEtFOSAA	2991-50-6	N/A	584.2 / 419.1	N/A		N/A	N/A	0.557	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	0.557	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	2.13	285.0 / 169.0	2691		0.018	0.589	0.501	Pass	N/A
57	HFPO-DA_2	13252-13-6	2.13	285.0 / 184.9	1586	M2	0.020	0.589	0.501	Pass	N/A
58	ADONA	919005-14-4	N/A	376.9 / 251.0	N/A		N/A	N/A	0.691	N/A	N/A
59	ADONA_2	919005-14-4	N/A	376.9 / 84.8	N/A		N/A	N/A	0.691	N/A	N/A
60	9Cl-PF3ONS	756426-58-1	N/A	530.8 / 351.1	N/A		N/A	N/A	0.332	N/A	N/A
61	9Cl-PF3ONS_2	756426-58-1	N/A	532.8 / 353.0	N/A		N/A	N/A	0.332	N/A	N/A
62	11Cl-PF3OUdS	763051-92-9	N/A	630.9 / 451.0	N/A		N/A	N/A	0.322	N/A	N/A
63	11Cl-PF3OUdS_2	763051-92-9	N/A	632.9 / 452.9	N/A		N/A	N/A	0.322	N/A	N/A
64	3:3FTCA	356-02-5	N/A	241.1 / 177.1	N/A		N/A	N/A	1.010	N/A	N/A
65	3:3FTCA_2	356-02-5	N/A	241.1 / 117.0	N/A		N/A	N/A	1.010	N/A	N/A
66	5:3FTCA	914637-49-3	N/A	341.1 / 237.1	N/A		N/A	N/A	1.017	N/A	N/A
67	5:3FTCA_2	914637-49-3	N/A	341.1 / 217.0	N/A		N/A	N/A	1.017	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	1.343	N/A	N/A
69	7:3FTCA_2	812-70-4	N/A	441.1 / 337.1	N/A		N/A	N/A	1.343	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	5.680	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	5.680	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	0.59	217.0 / 172.0	1632151		10.428	NA	NA	NA	104.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.18	268.0 / 223.0	780504		5.361	NA	NA	NA	107.2
	13C5-PFHxA	EIS	1.92	318.0 / 273.0	410471		2.999	NA	NA	NA	120.0
	13C4-PFHpA	EIS	2.50	367.0 / 322.0	372849		2.824	NA	NA	NA	112.9
	13C8-PFOA	EIS	2.99	420.8 / 376.0	644739		2.511	NA	NA	NA	100.4
	13C9-PFNA	EIS	3.43	472.0 / 427.0	251961		1.281	NA	NA	NA	102.5
	13C6-PFDA	EIS	3.85	519.0 / 474.0	248800		1.181	NA	NA	NA	94.5
	13C7-PFUnA	EIS	4.26	570.0 / 525.0	261839		1.127	NA	NA	NA	90.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.64	615.1 / 570.0	255887		1.094	NA	NA	NA	87.6
	13C2-PFTeDA	EIS	5.39	715.1 / 670.1	162550		1.072	NA	NA	NA	85.8
	13C3-PFBS	EIS	1.92	302.1 / 80.1	350124		2.479	NA	NA	NA	106.4
	13C3-PFHxS	EIS	3.10	402.1 / 80.1	308929		2.461	NA	NA	NA	103.8
	13C8-PFOS	EIS	4.00	507.1 / 80.1	295615		2.204	NA	NA	NA	91.8
	13C2-4:2FTS	EIS	1.71	329.1 / 81.1	112074		5.380	NA	NA	NA	114.7
	13C2-6:2FTS	EIS	2.81	429.2 / 81.1	96419		5.376	NA	NA	NA	112.9
	13C2-8:2FTS	EIS	3.67	529.2 / 81.1	78700		4.679	NA	NA	NA	97.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	5.24	506.1 / 78.1	458948		2.155	NA	NA	NA	86.2
	d3-NMeFOSA	EIS	5.96	515.2 / 219.0	73680		1.916	NA	NA	NA	76.7
	d5-NEtFOSA	EIS	6.25	531.2 / 219.0	70711		2.022	NA	NA	NA	80.9
	d3-NMeFOSAA	EIS	3.98	573.2 / 419.1	98604		3.764	NA	NA	NA	75.3
	d5-NEtFOSAA	EIS	4.19	589.3 / 419.1	93147		4.361	NA	NA	NA	87.2
	d7-NMeFOSE	EIS	5.82	623.2 / 58.9	585568		21.174	NA	NA	NA	84.7
	d9-NEtFOSE	EIS	6.11	639.2 / 58.9	788418		21.252	NA	NA	NA	85.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.13	287.0 / 169.0	1512758		10.449	NA	NA	NA	104.5
	13C3-PFBA	NIS	0.59	216.0 / 172.0	692565		4.778	NA	NA	NA	95.6
	13C2-PFHxA	NIS	1.92	315.0 / 270.0	403061		2.487	NA	NA	NA	99.5
	13C4-PFOA	NIS	2.99	417.0 / 372.0	390266		2.715	NA	NA	NA	108.6
	13C5-PFNA	NIS	3.43	468.0 / 423.0	246315		1.195	NA	NA	NA	95.6
	13C2-PFDA	NIS	3.85	515.1 / 470.1	245795		1.156	NA	NA	NA	92.5
	18O2-PFHxS	NIS	3.09	403.1 / 84.1	264006		2.243	NA	NA	NA	94.6
	13C4-PFOS	NIS	4.00	503.1 / 80.1	269810		2.244	NA	NA	NA	93.5

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_30.wiff2_3
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 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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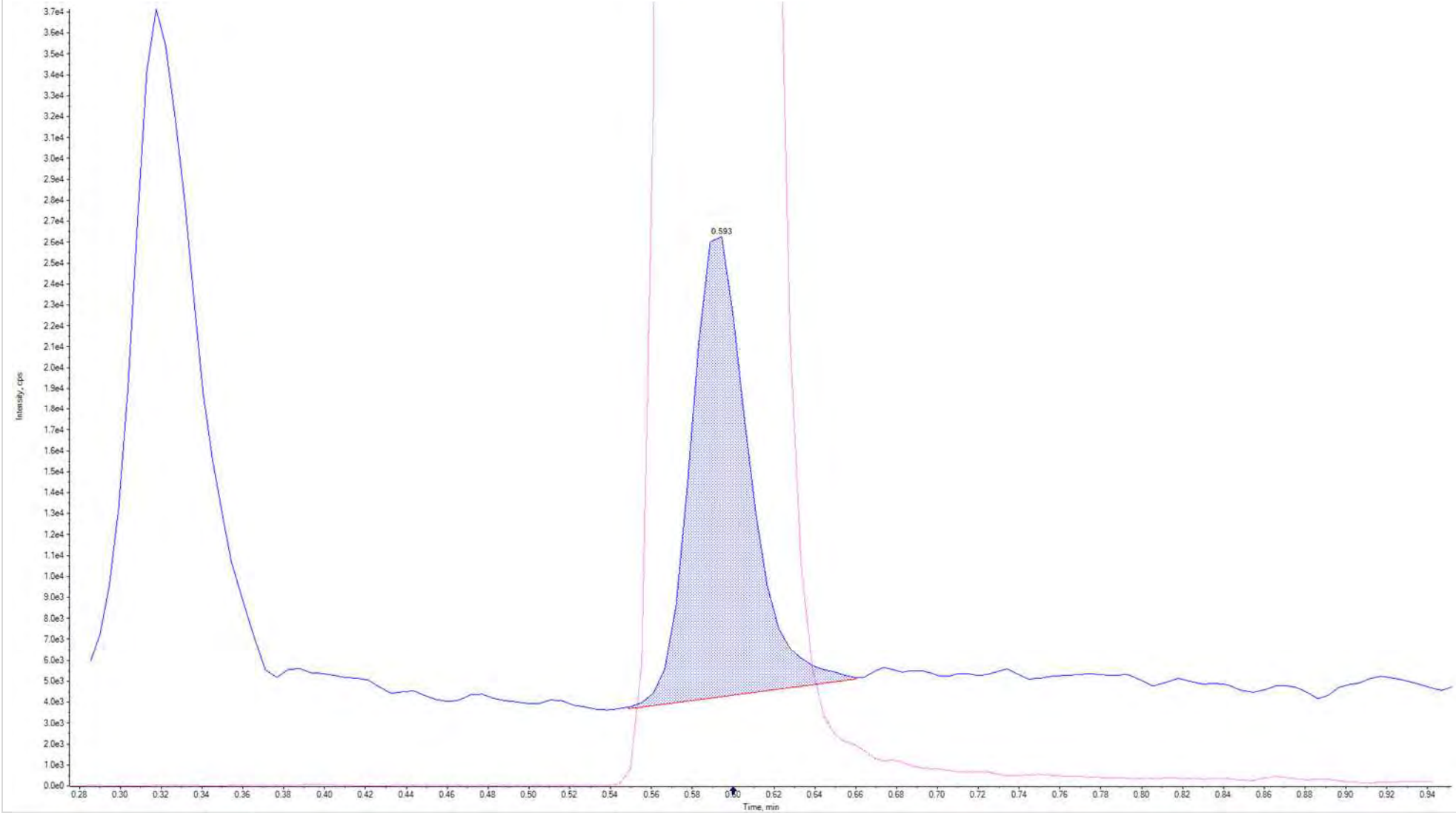
Generated: 3/11/2025 12:27:08 PM

PFBA
Sample: L2512368-04 S/N:72.3 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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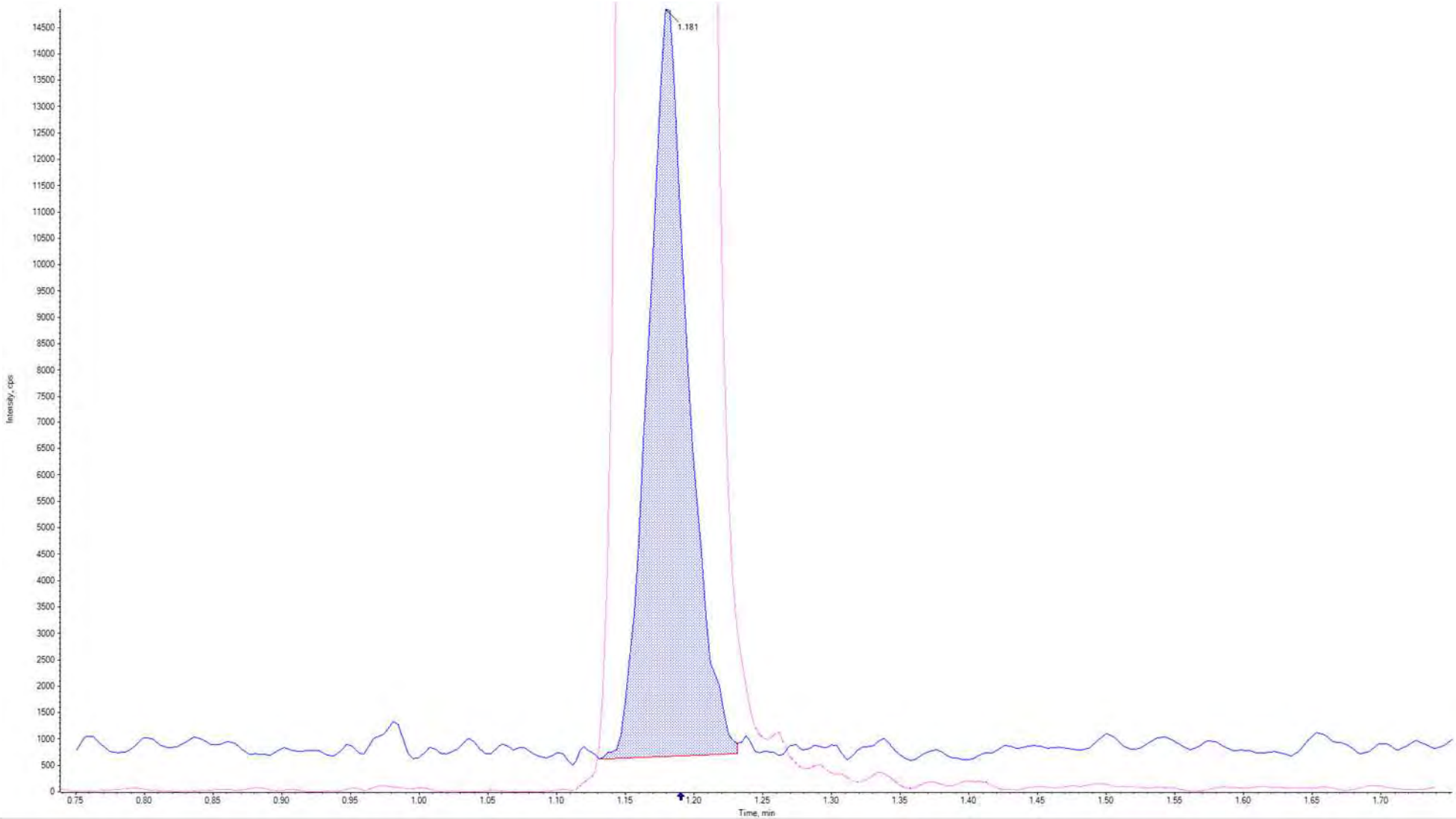
Generated: 3/11/2025 12:27:08 PM

PFPeA
Sample: L2512368-04 S/N:227.5 Points Across peak:32



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Alpha Analytical LLC
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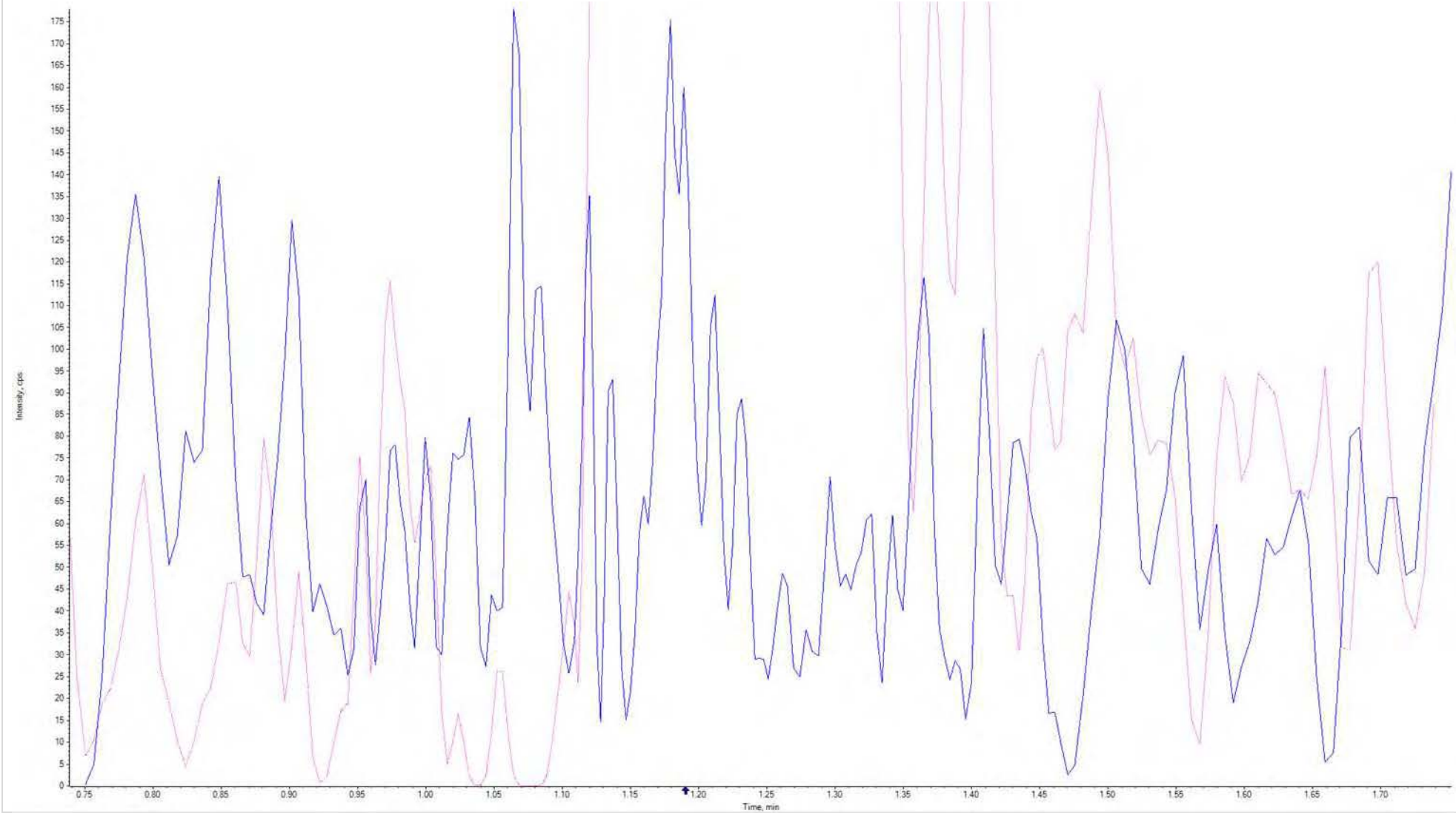
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

PFPeA_2
Sample: L2512368-04 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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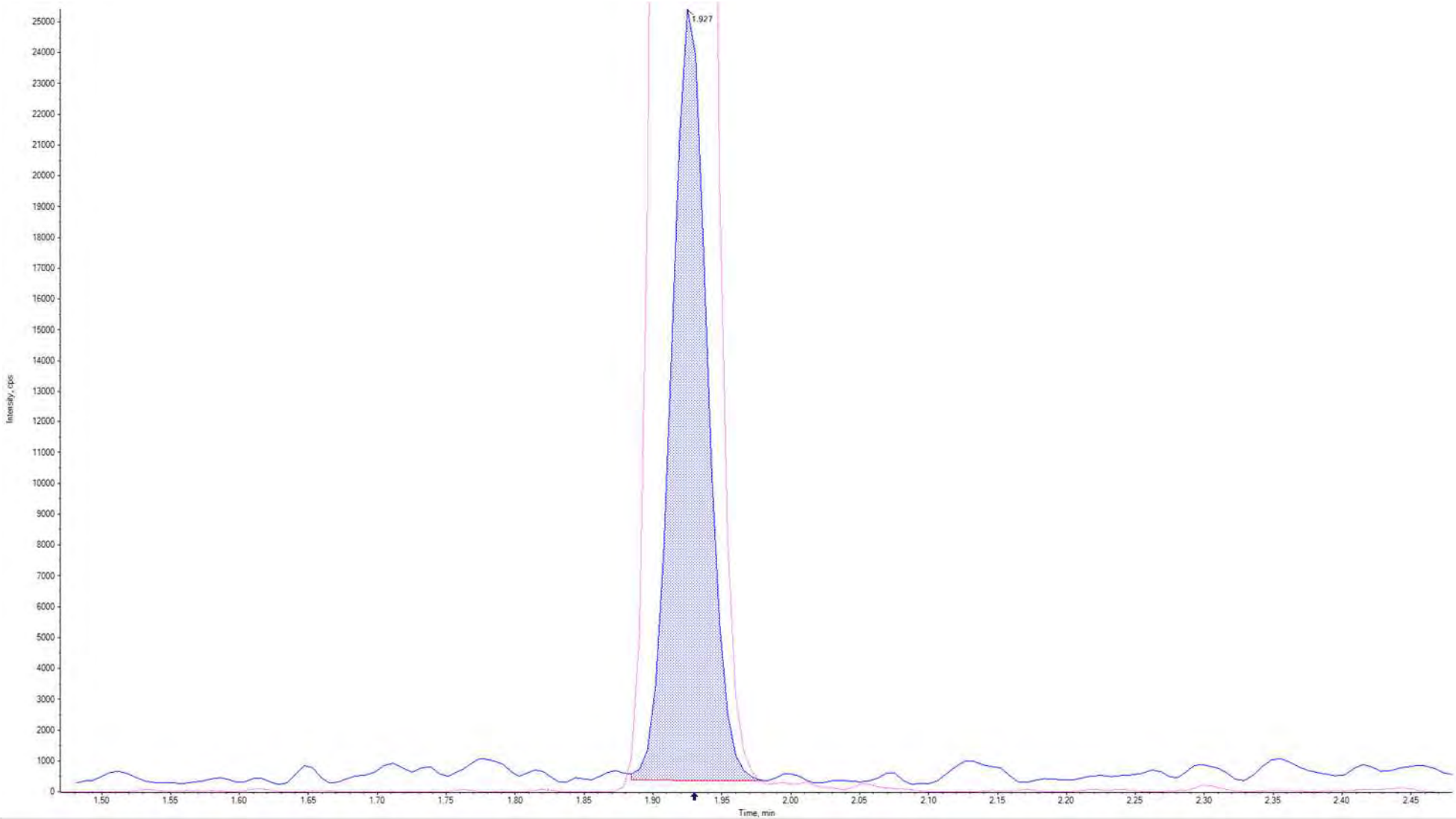
PFHxA
Sample: L2512368-04 S/N:329.6 Points Across peak:18



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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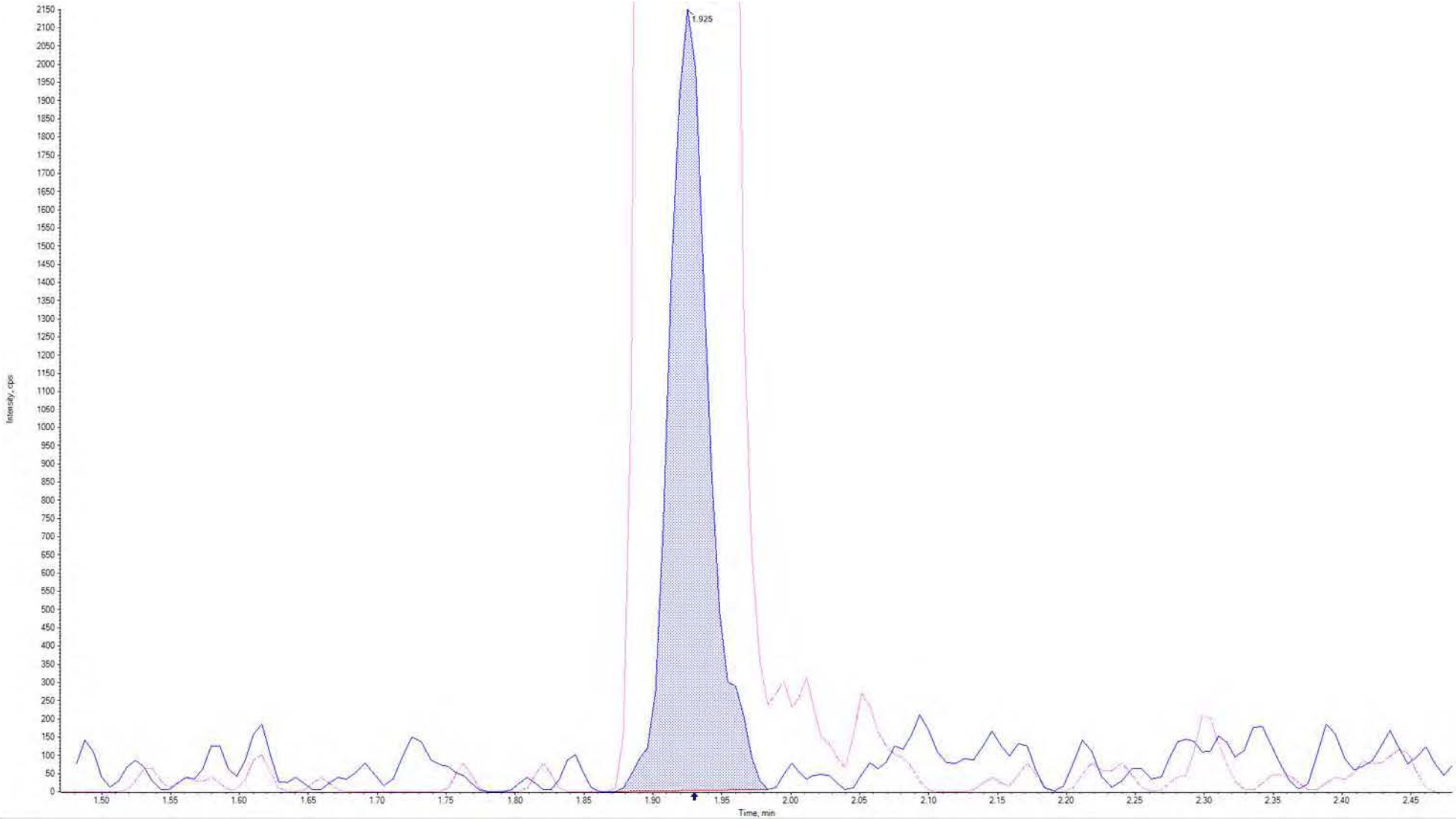
PFHxA_2
Sample: L2512368-04 S/N:53.8 Points Across peak:21



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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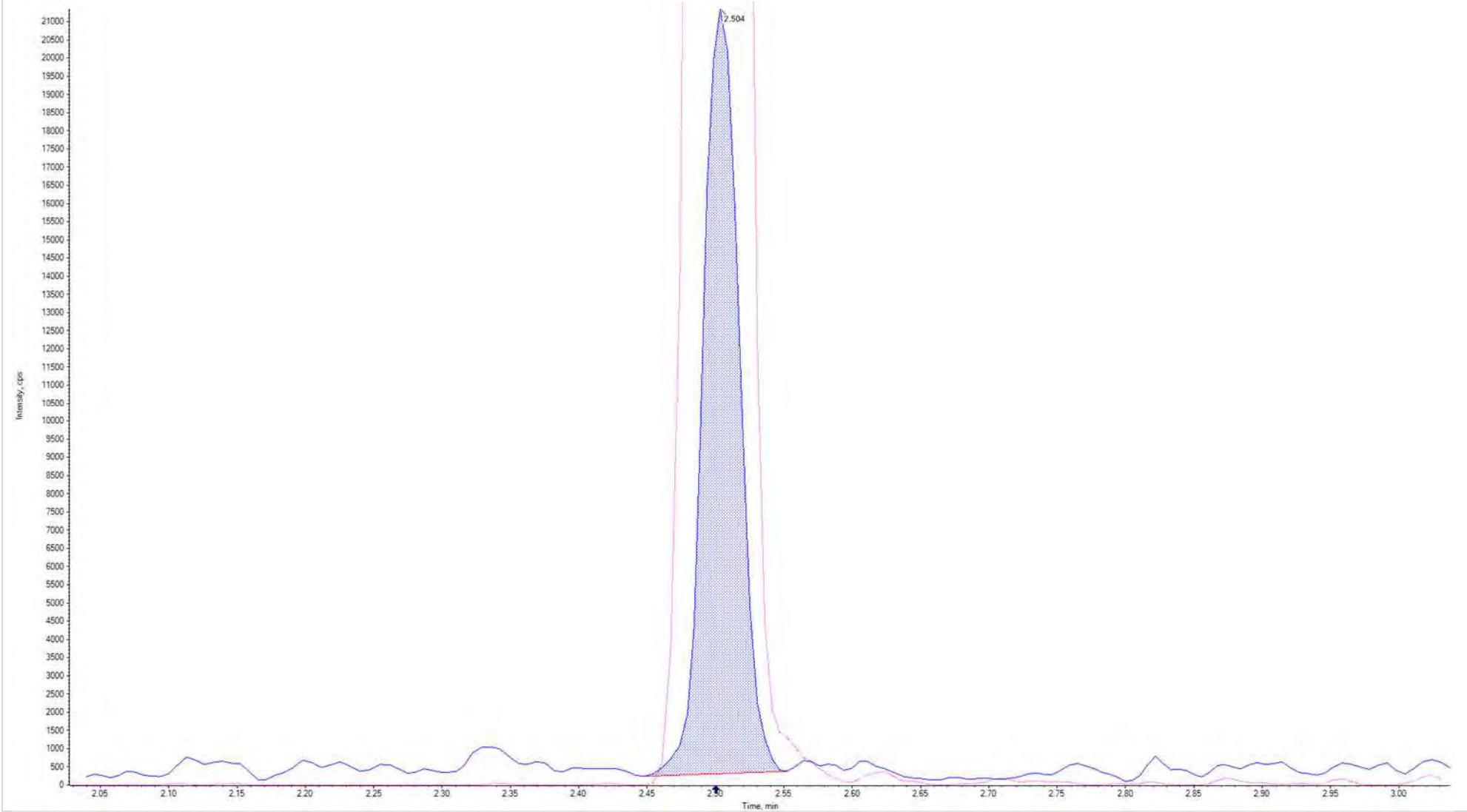
PFHpA
Sample: L2512368-04 S/N:404.7 Points Across peak:20



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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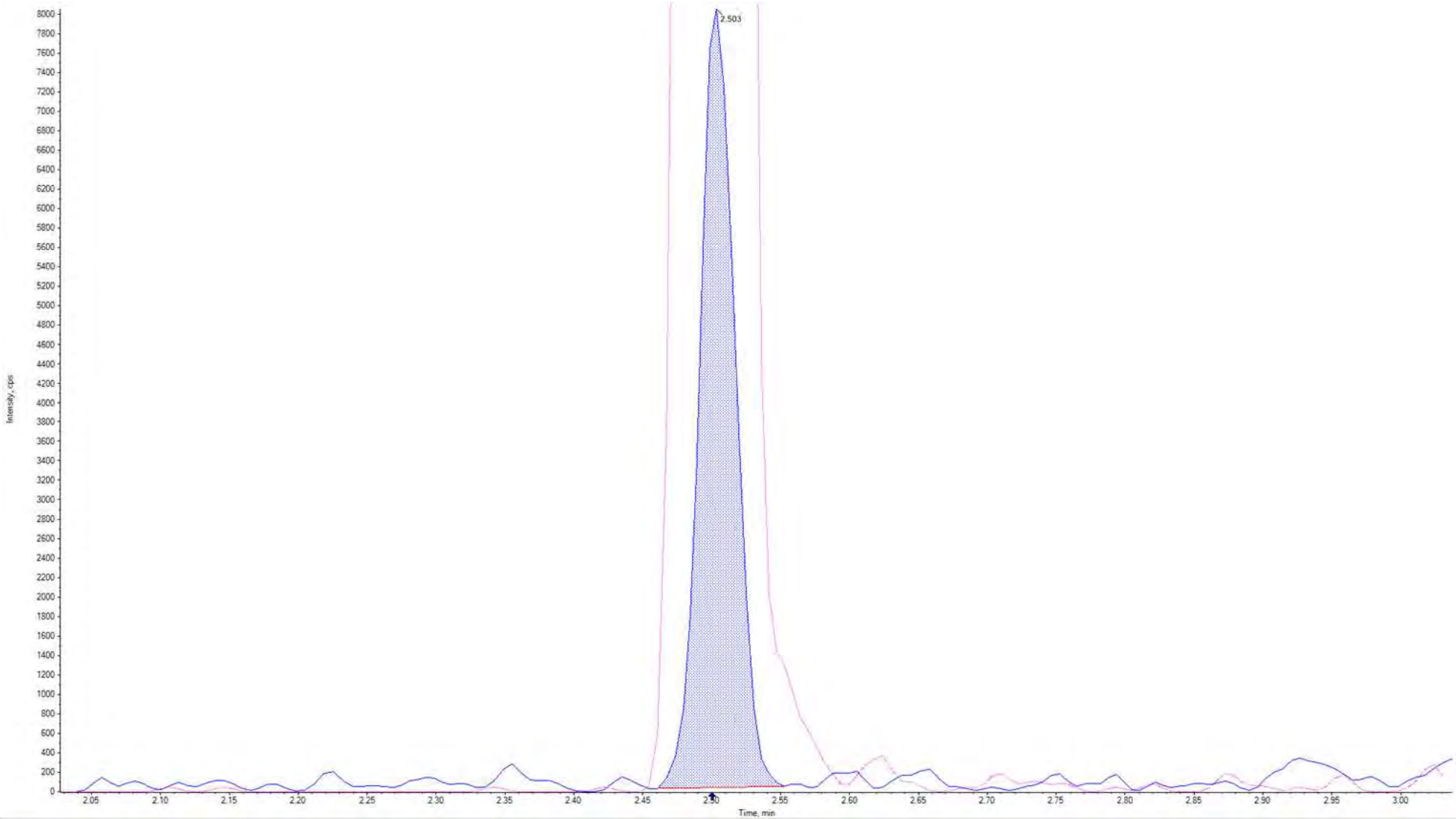
PFHpA_2
Sample: L2512368-04 S/N:160.6 Points Across peak:18



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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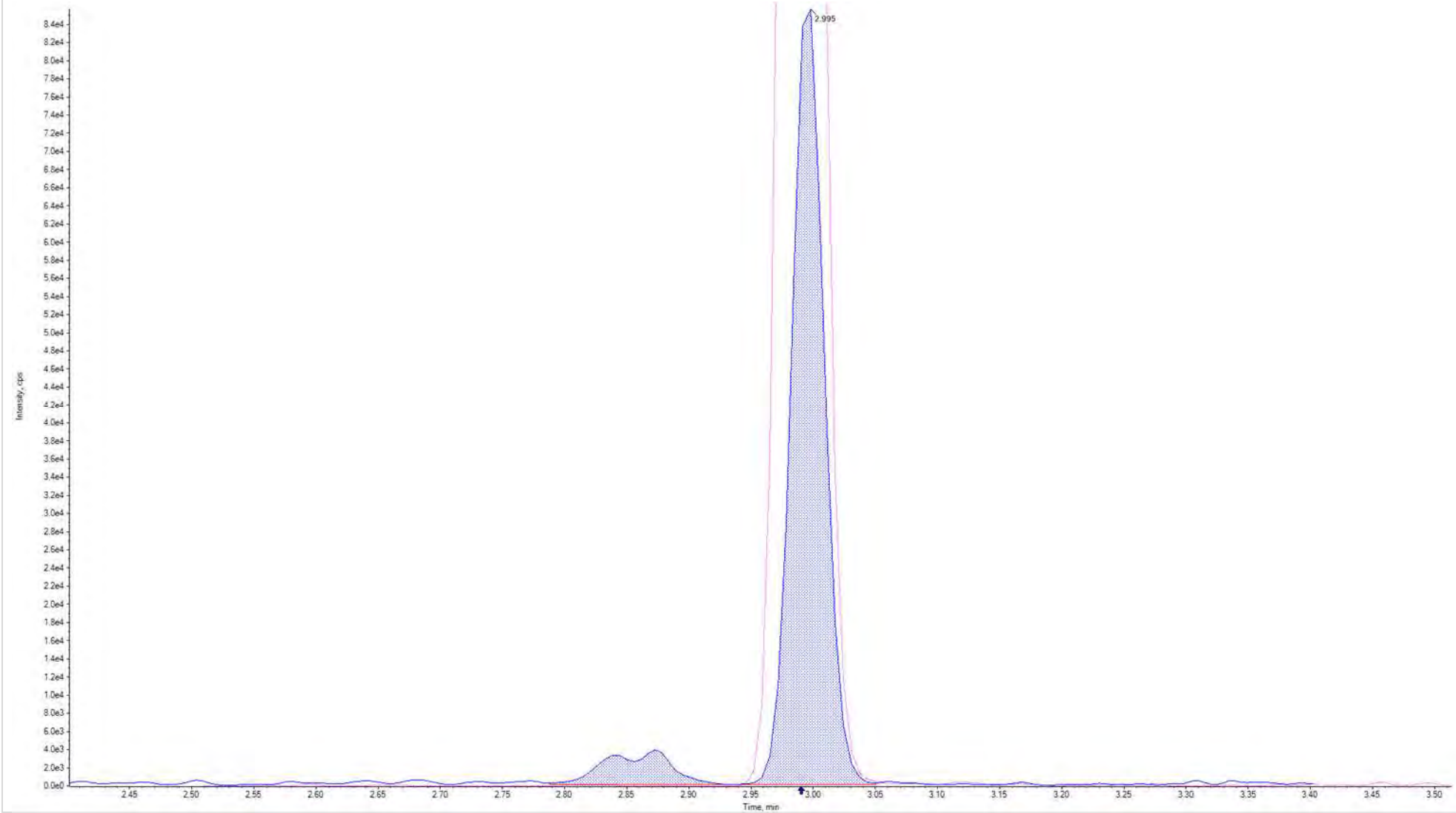
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

PFOA
Sample: L2512368-04 S/N:549.9 Points Across peak:45



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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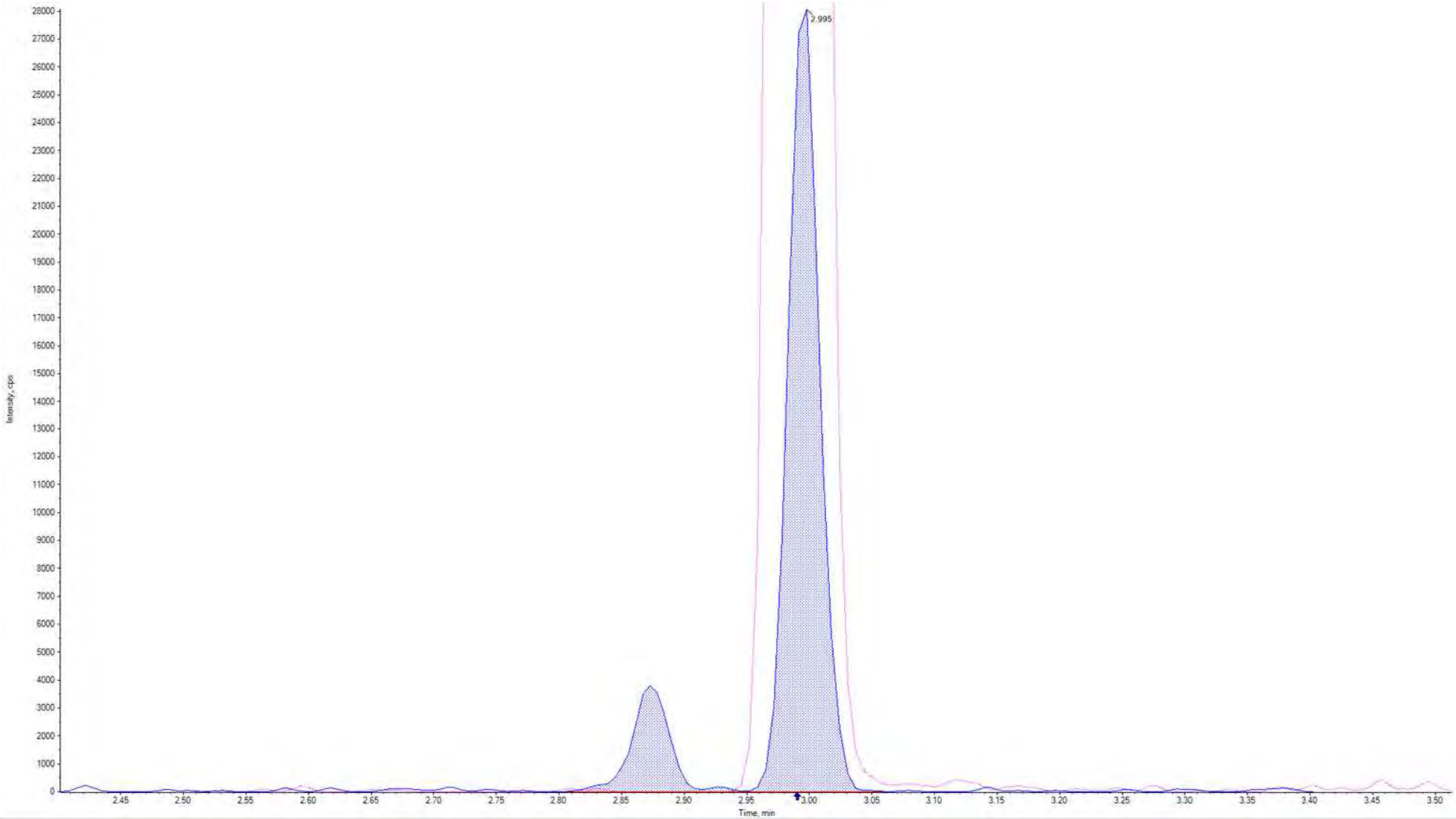
Generated: 3/11/2025 12:27:08 PM

PFOA_2
Sample: L2512368-04 S/N:516.1 Points Across peak:45



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/11/2025 2:07:22 PM
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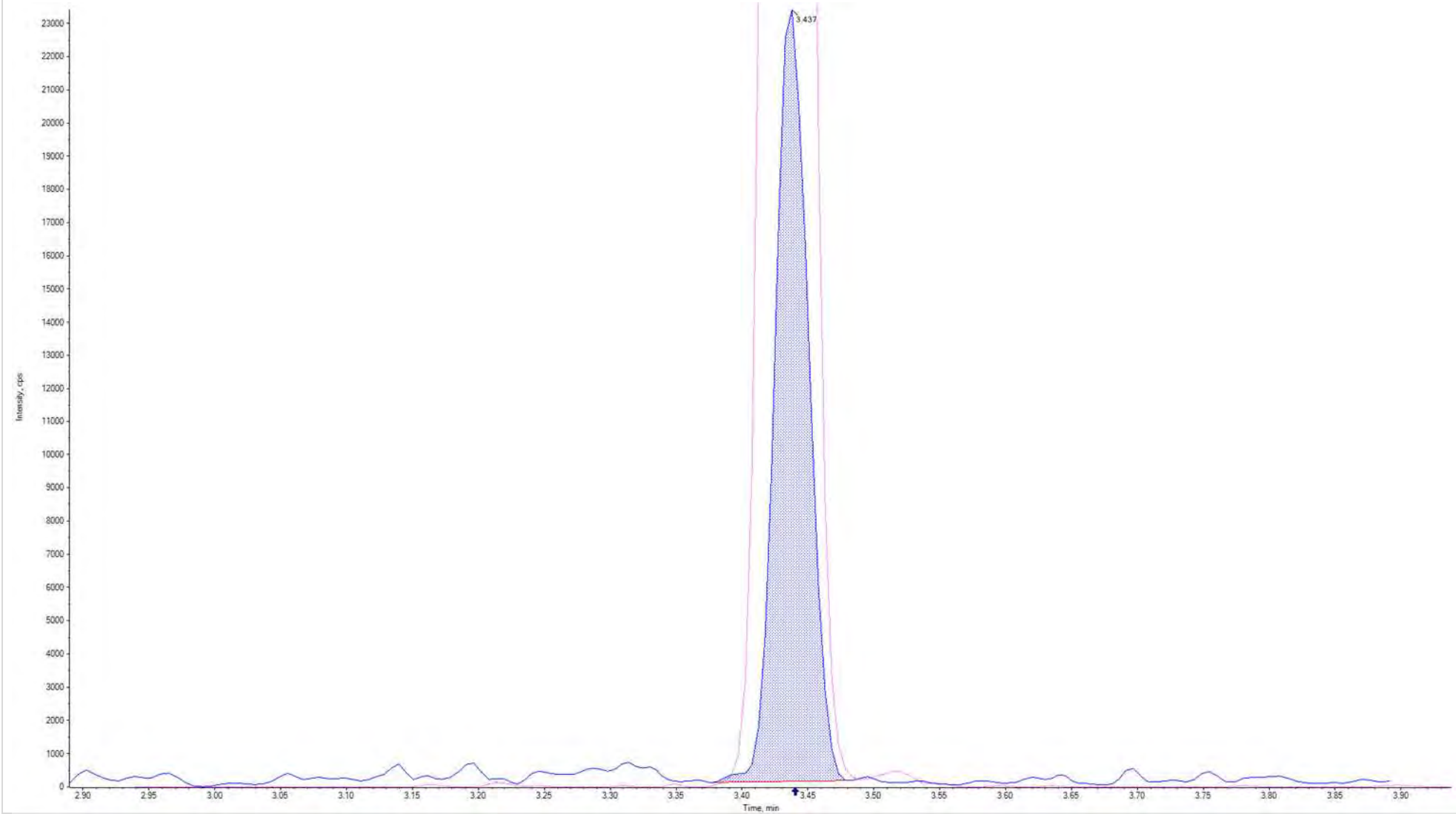
PFNA
Sample: L2512368-04 S/N:259.0 Points Across peak:22



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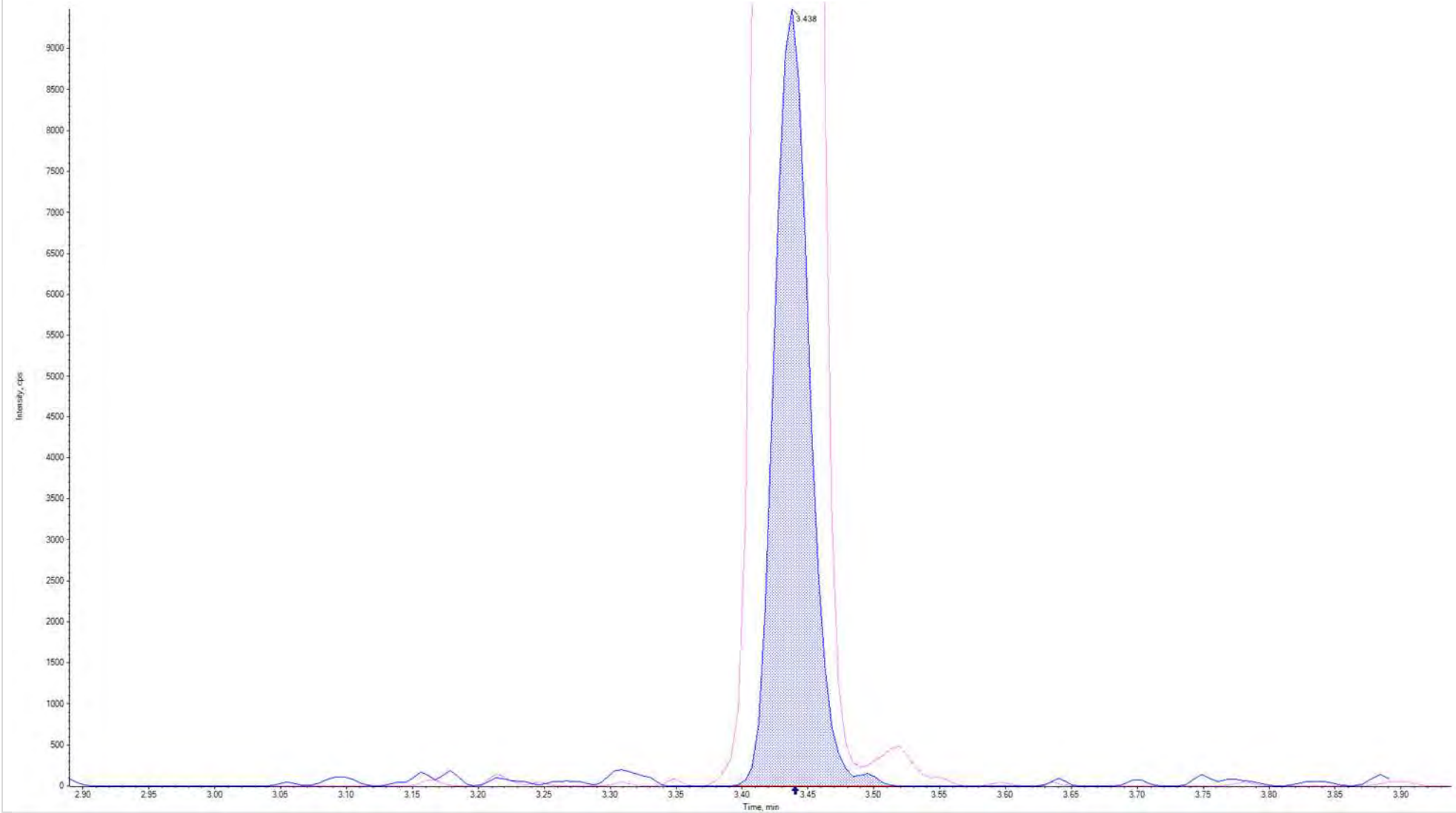
PFNA_2
Sample: L2512368-04 S/N:213.9 Points Across peak:34



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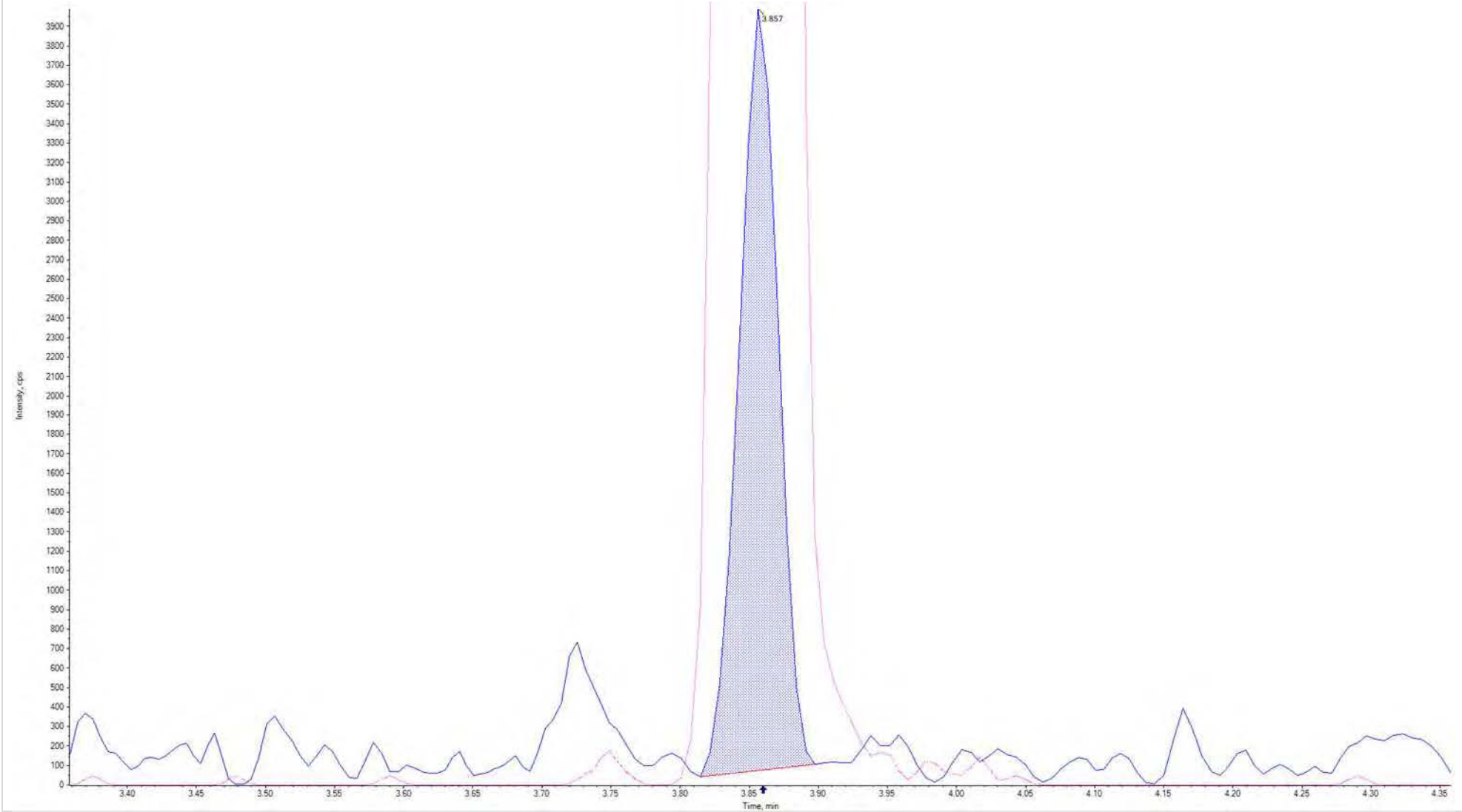
PFDA
Sample: L2512368-04 S/N:78.5 Points Across peak:13



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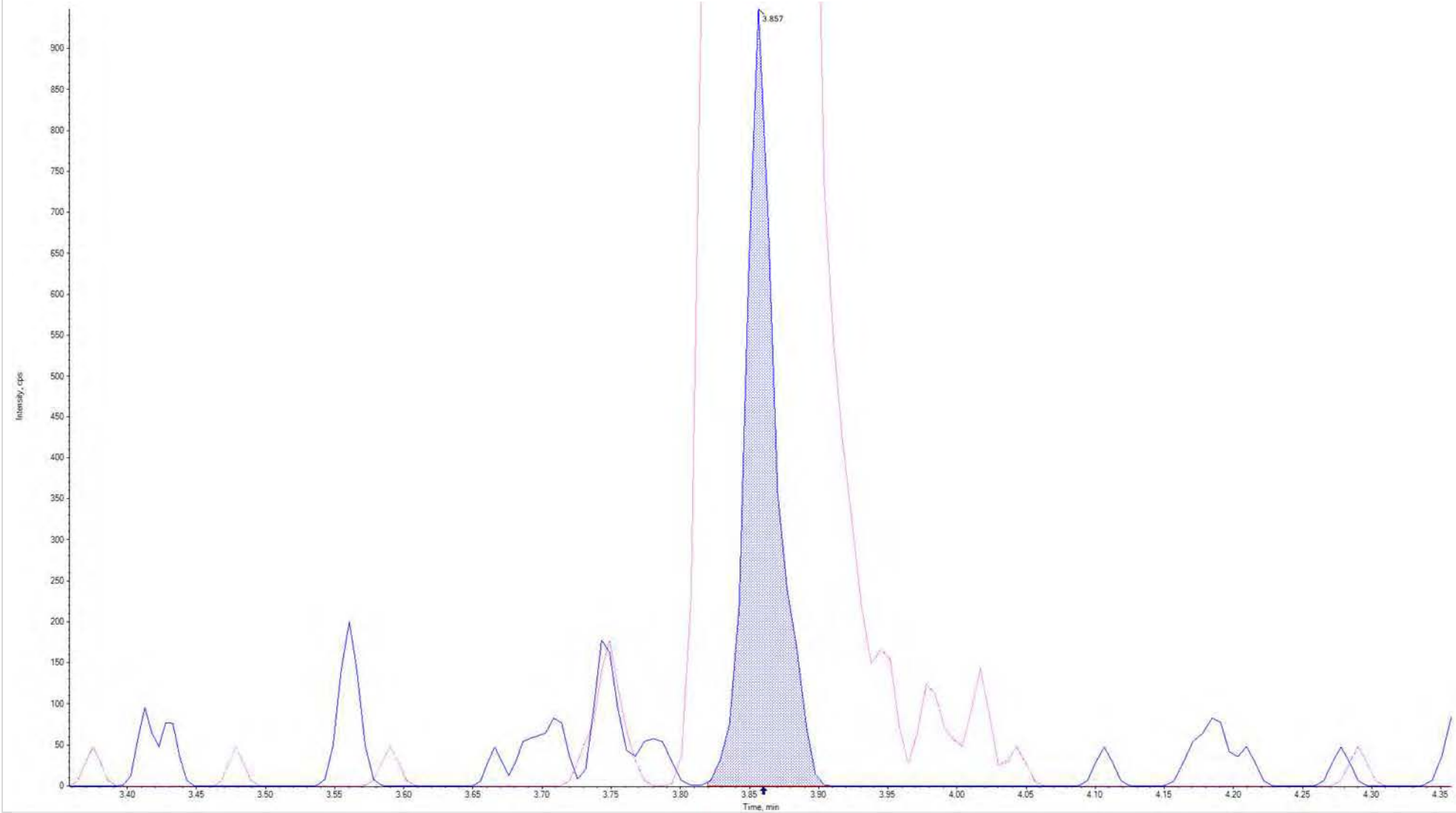
PFDA_2
Sample: L2512368-04 S/N:19.0 Points Across peak:16



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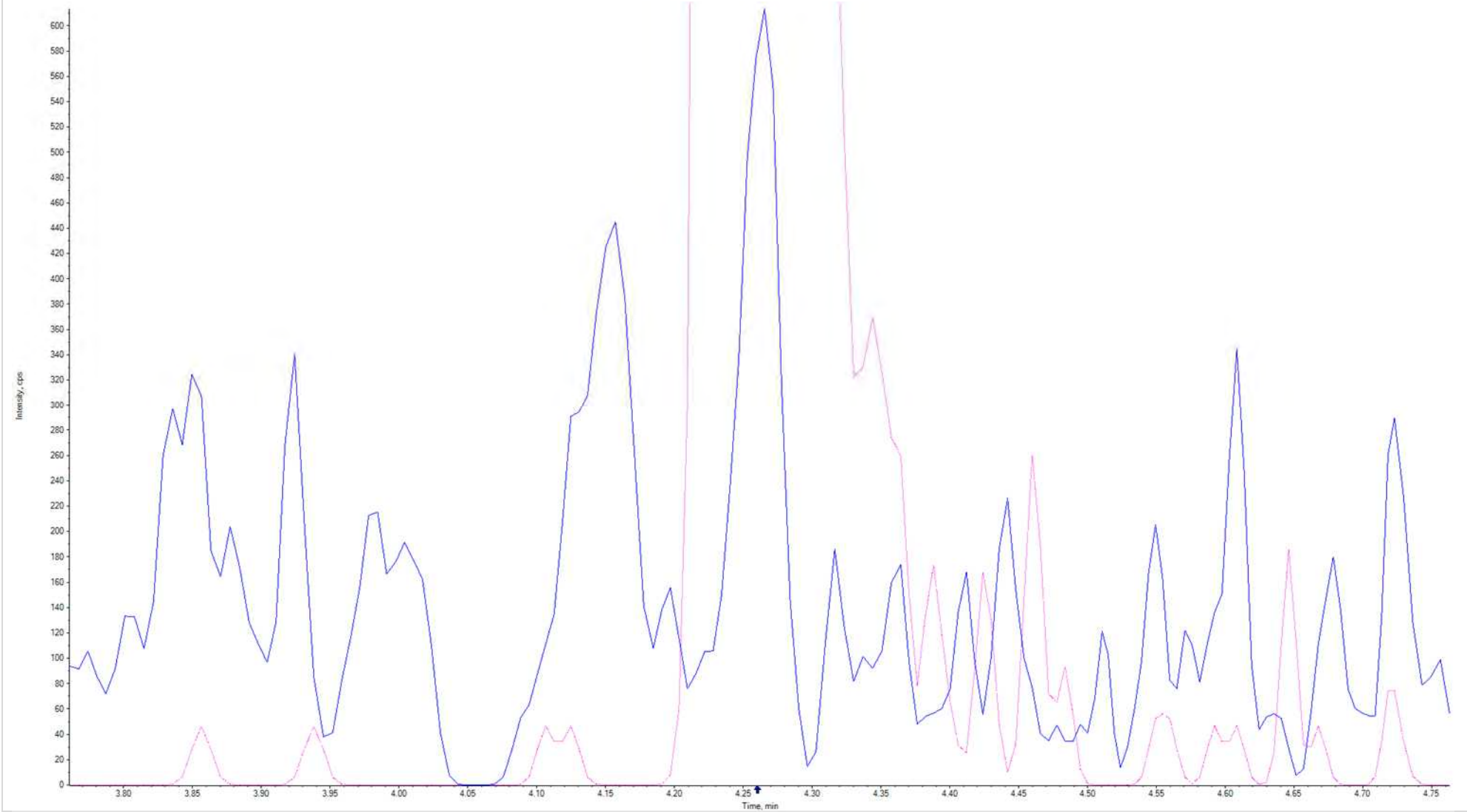
PFUnA
Sample: L2512368-04 S/N:N/A Points Across peak:N/A



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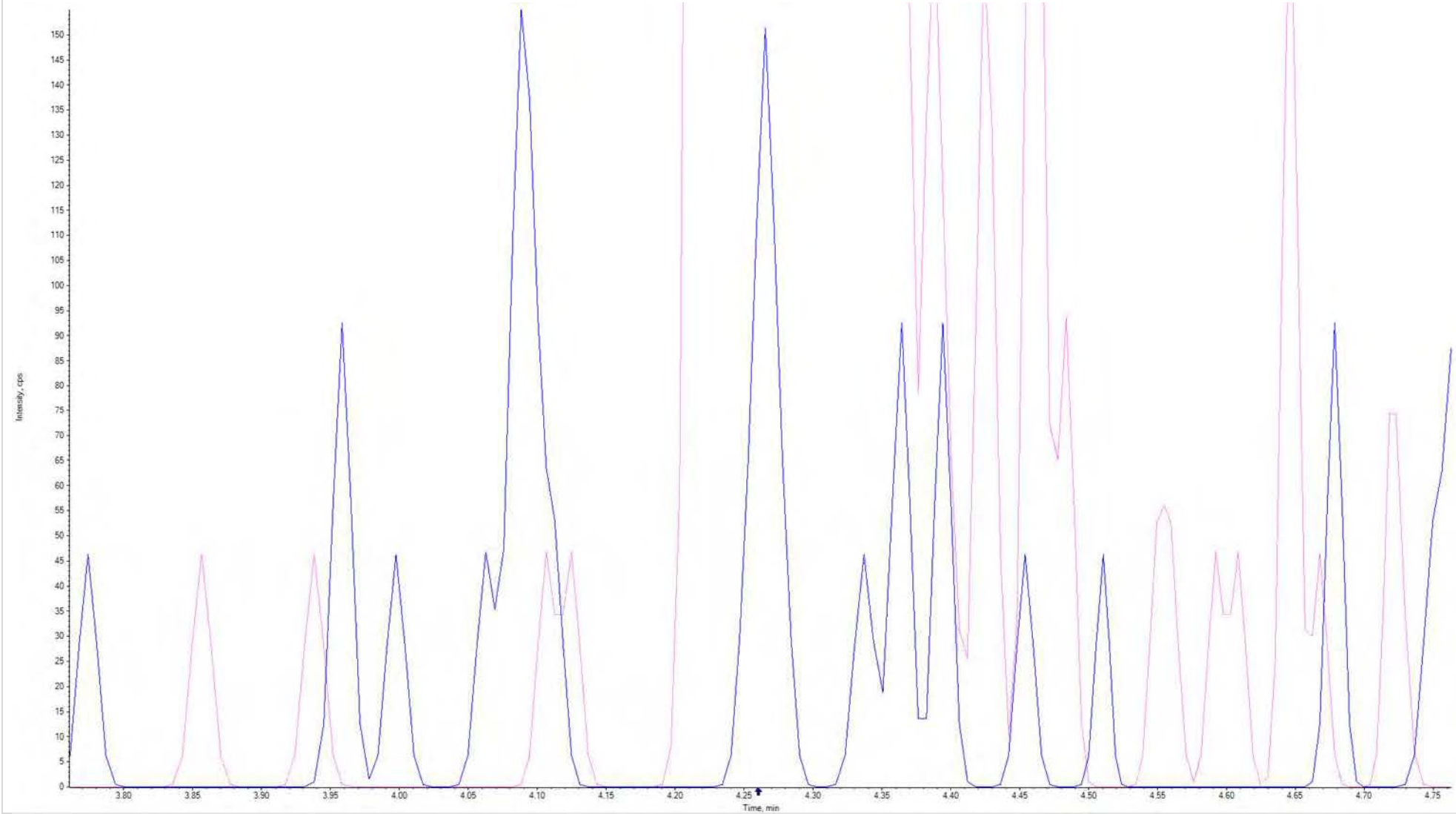
PFUnA_2
Sample: L2512368-04 S/N:N/A Points Across peak:N/A



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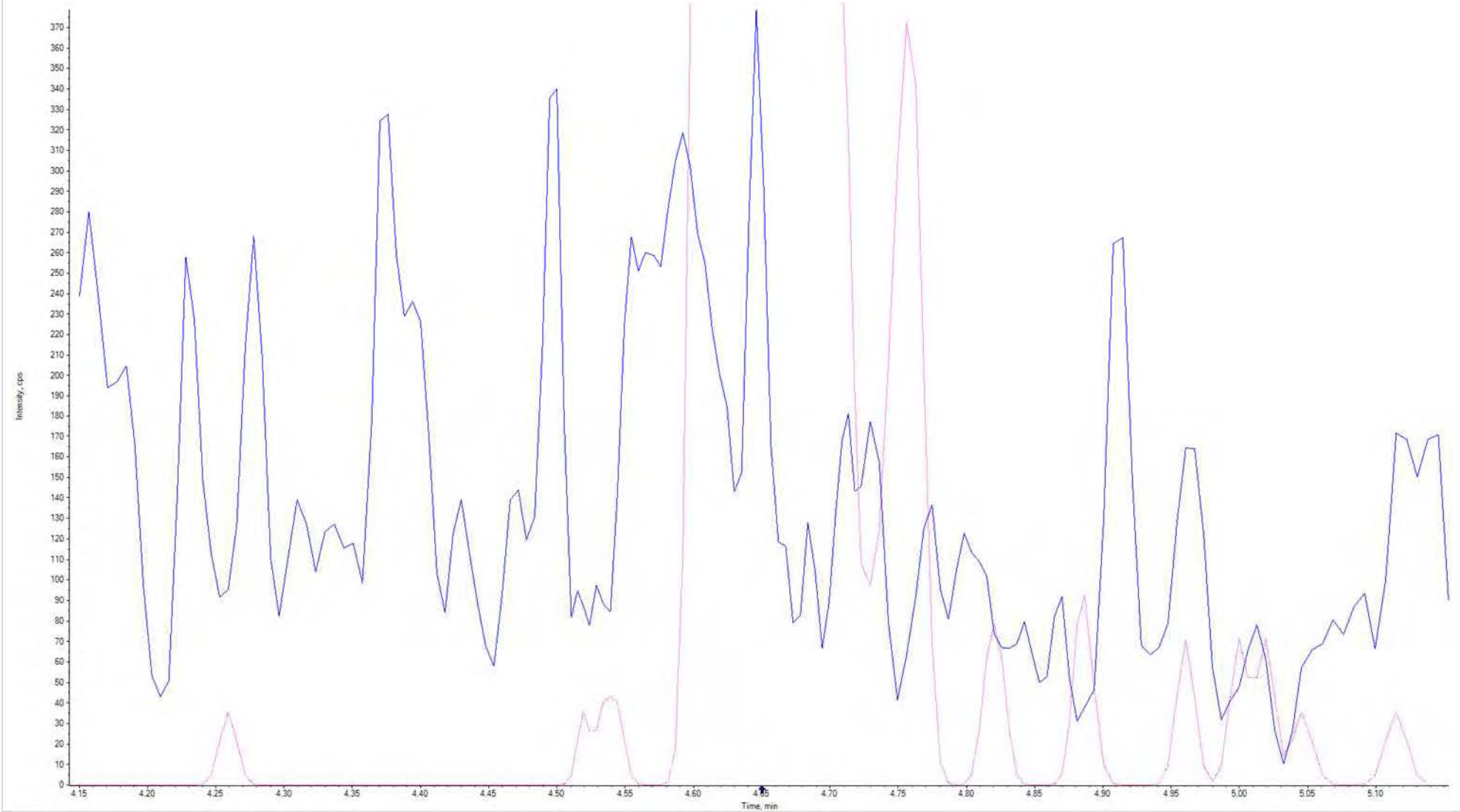
PFDoA
Sample: L2512368-04 S/N:N/A Points Across peak:N/A



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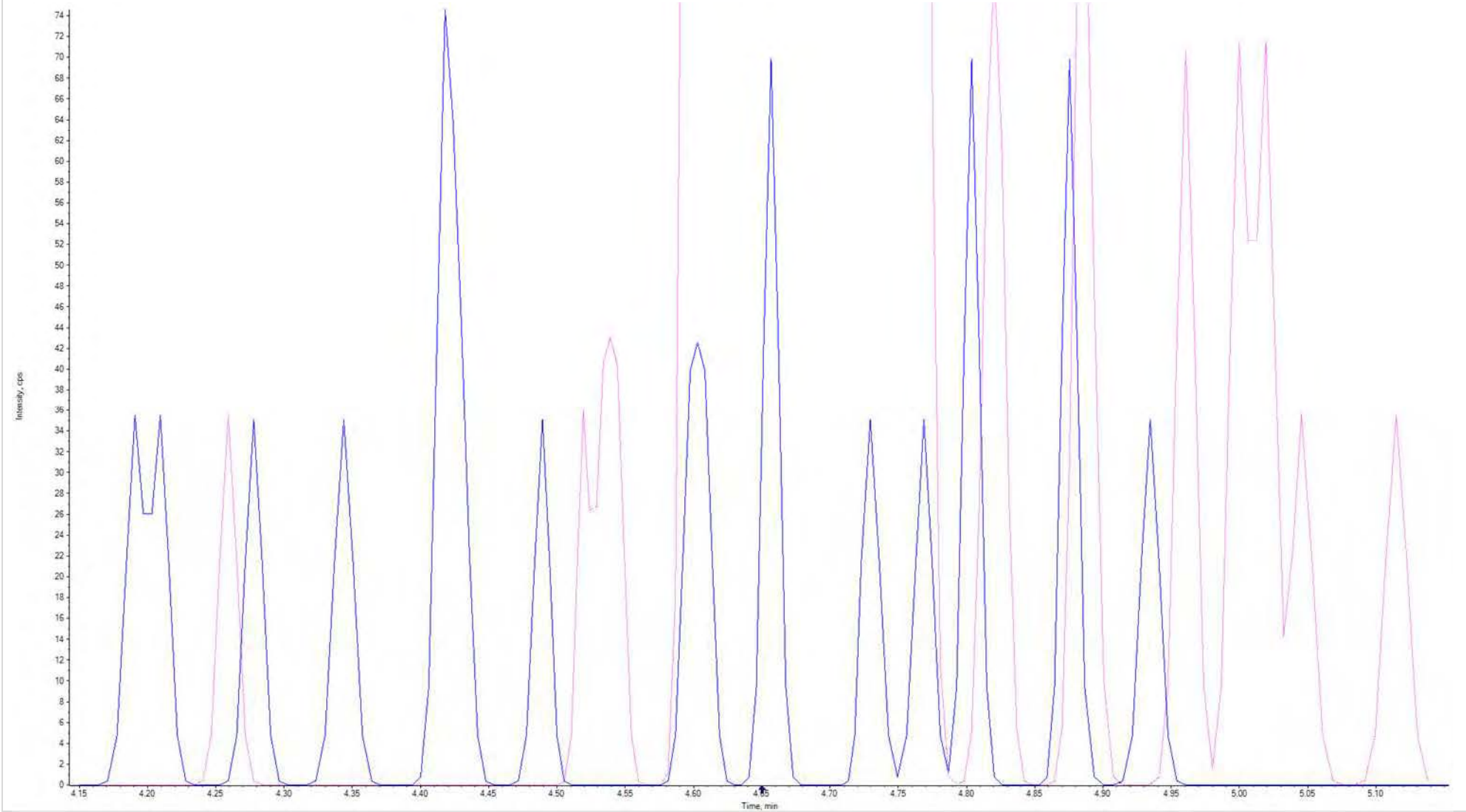
PFDoA_2
Sample: L2512368-04 S/N:N/A Points Across peak:N/A



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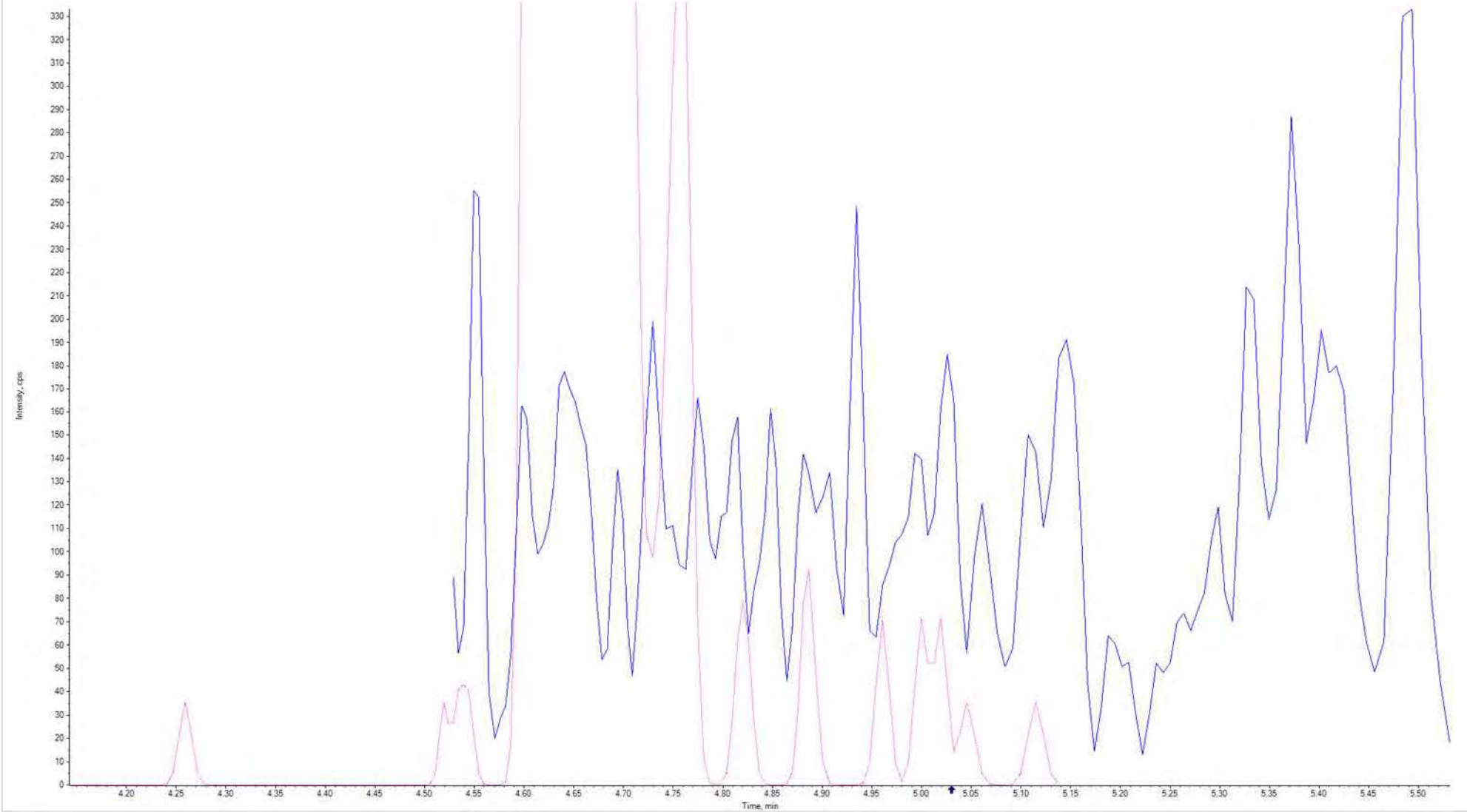
PFTrDA
Sample: L2512368-04 S/N:N/A Points Across peak:N/A



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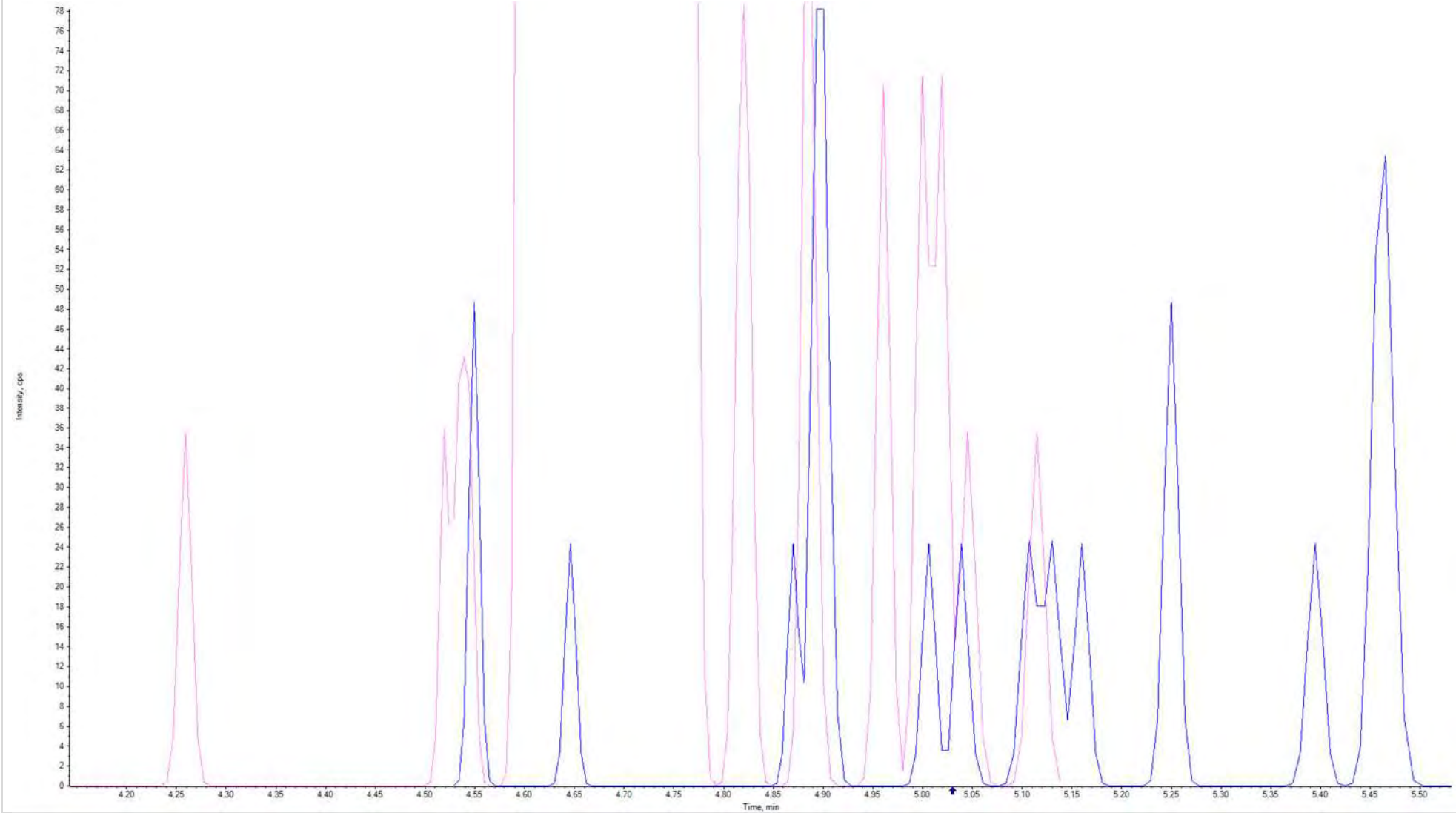
PFTrDA_2
Sample: L2512368-04 S/N:N/A Points Across peak:N/A



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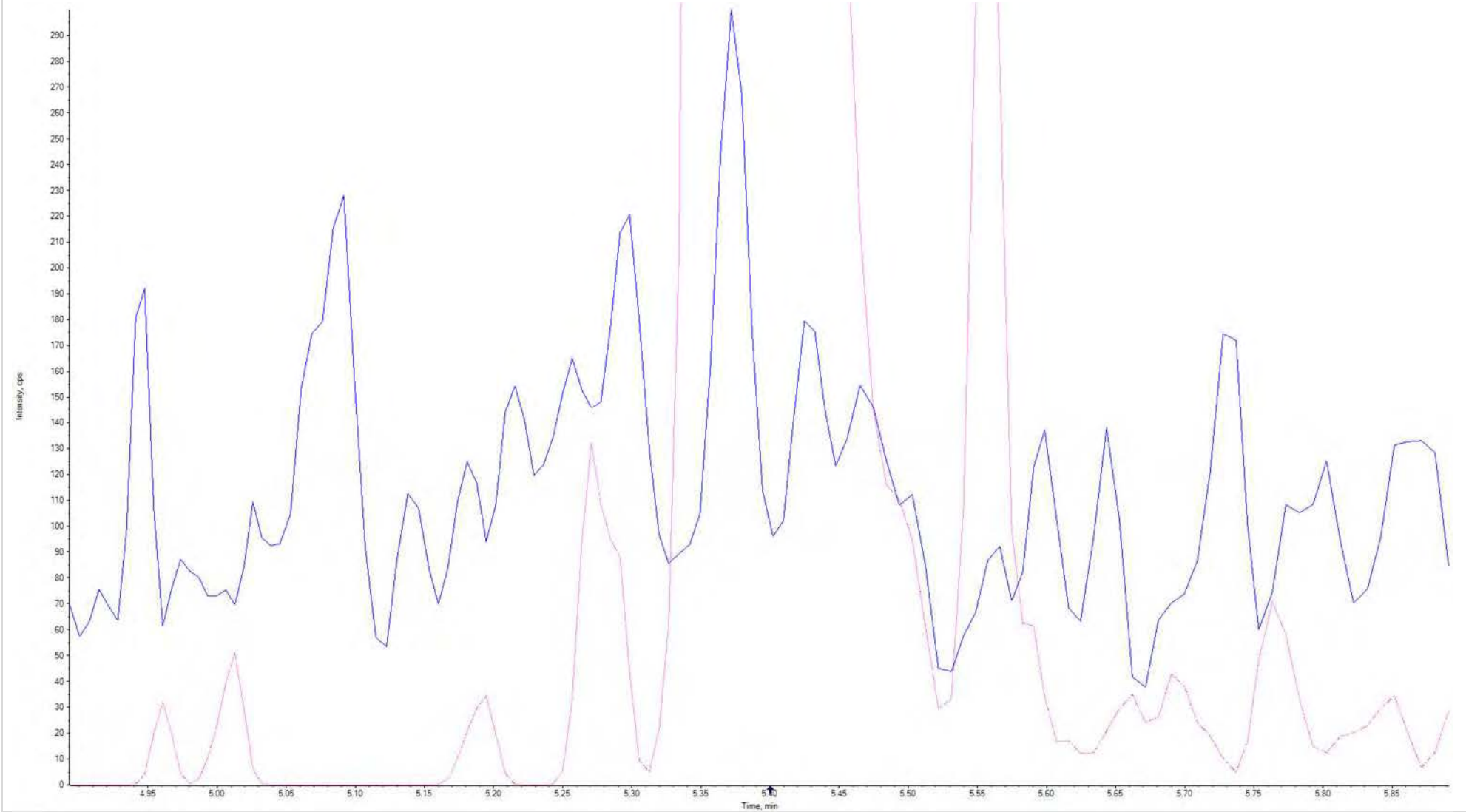
PFTeDA
Sample: L2512368-04 S/N:N/A Points Across peak:N/A



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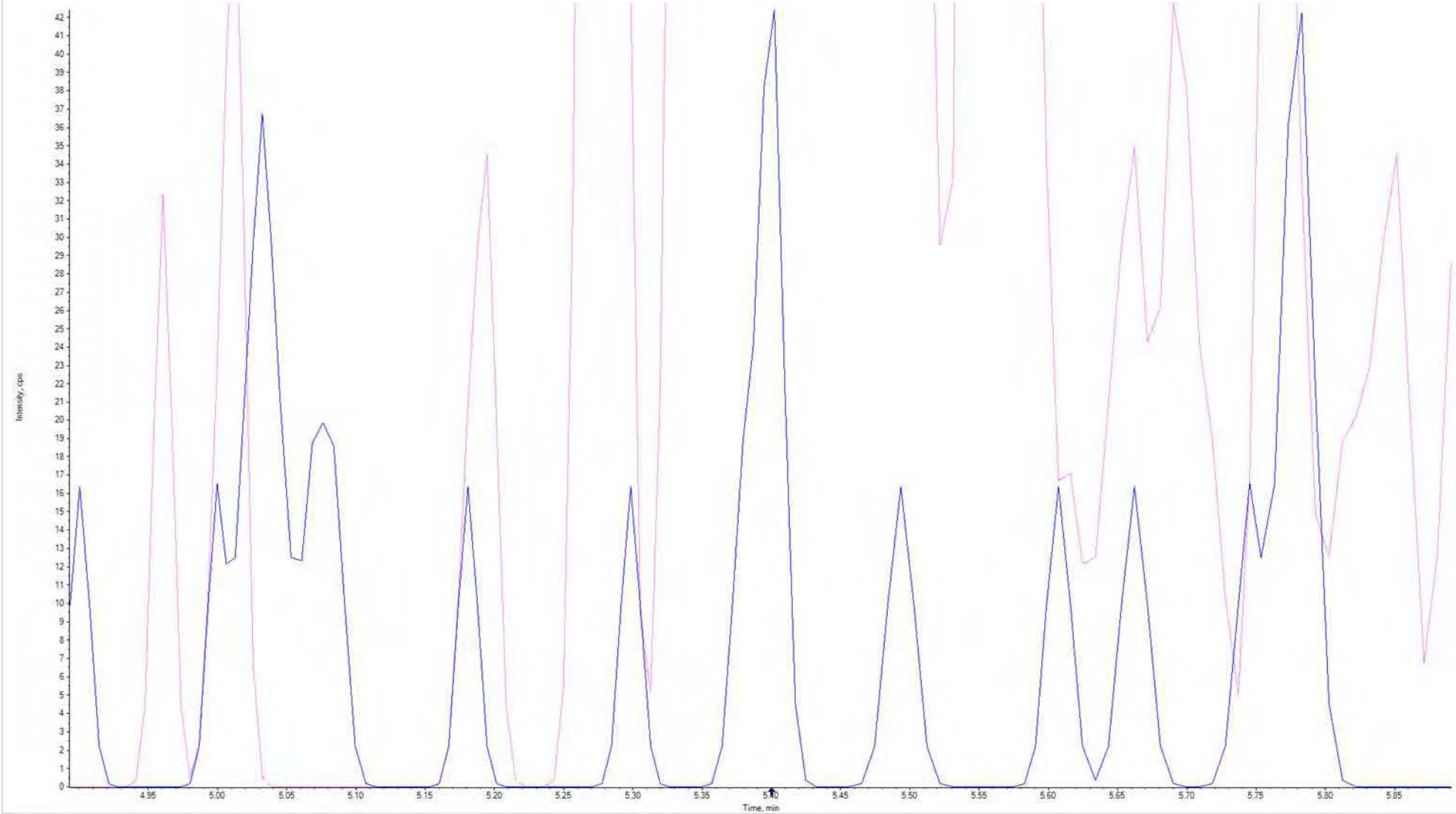
PFTeDA_2
Sample: L2512368-04 S/N:N/A Points Across peak:N/A



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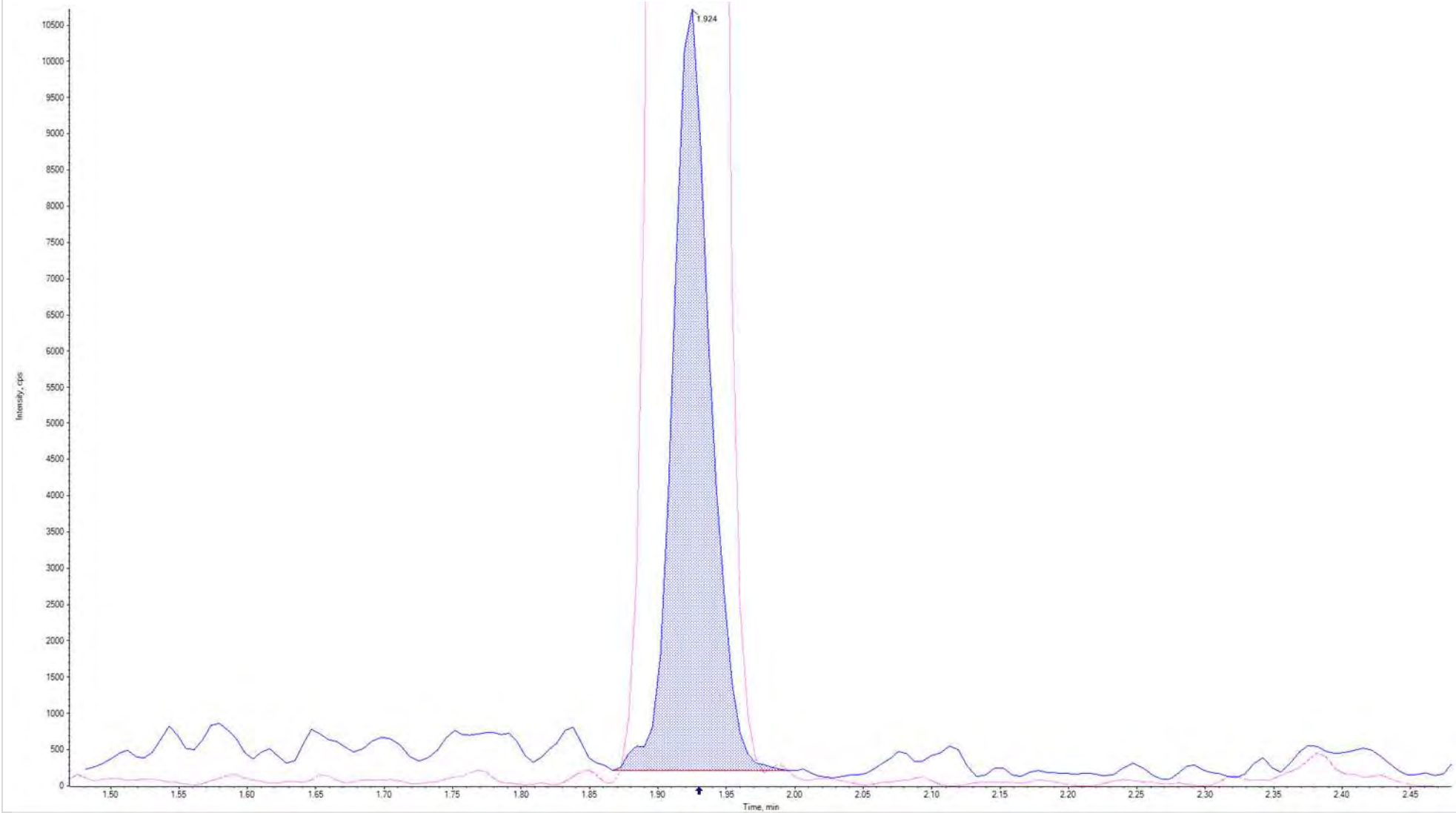
PFBS
Sample: L2512368-04 S/N:259.0 Points Across peak:24



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Alpha Analytical LLC
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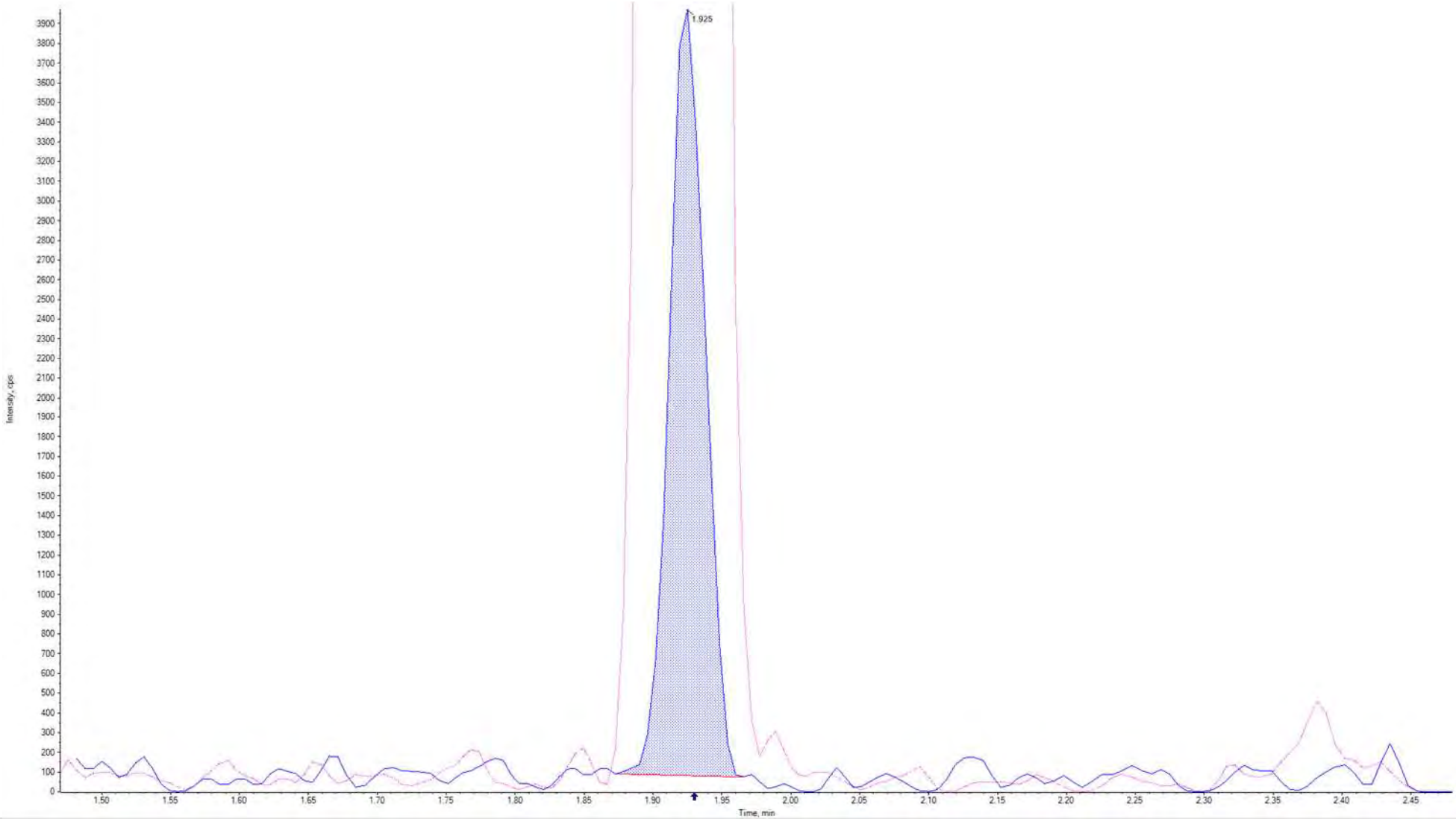
PFBS_2
Sample: L2512368-04 S/N:97.6 Points Across peak:18



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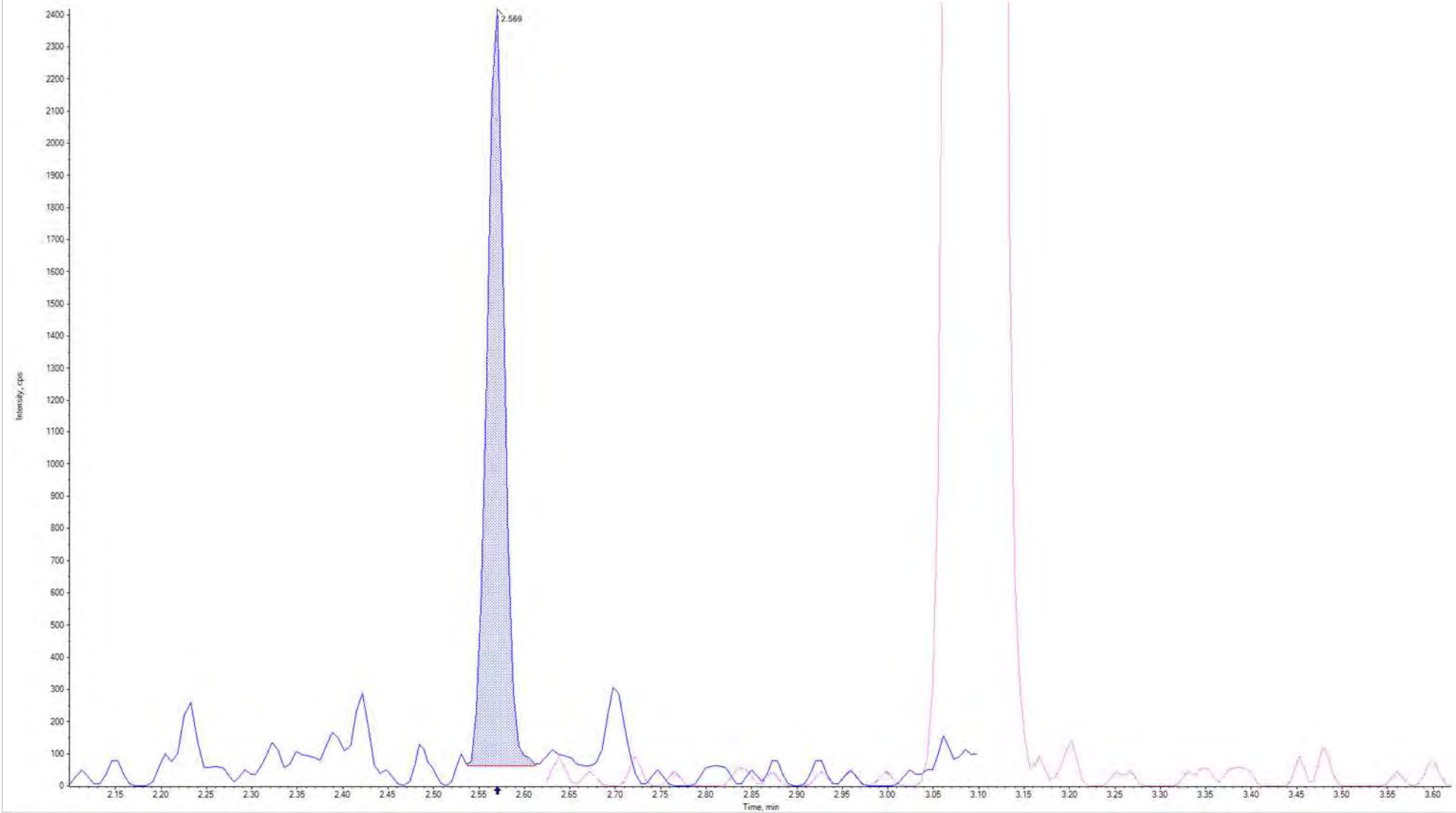
PFPeS
Sample: L2512368-04 S/N:47.2 Points Across peak:15



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Alpha Analytical LLC
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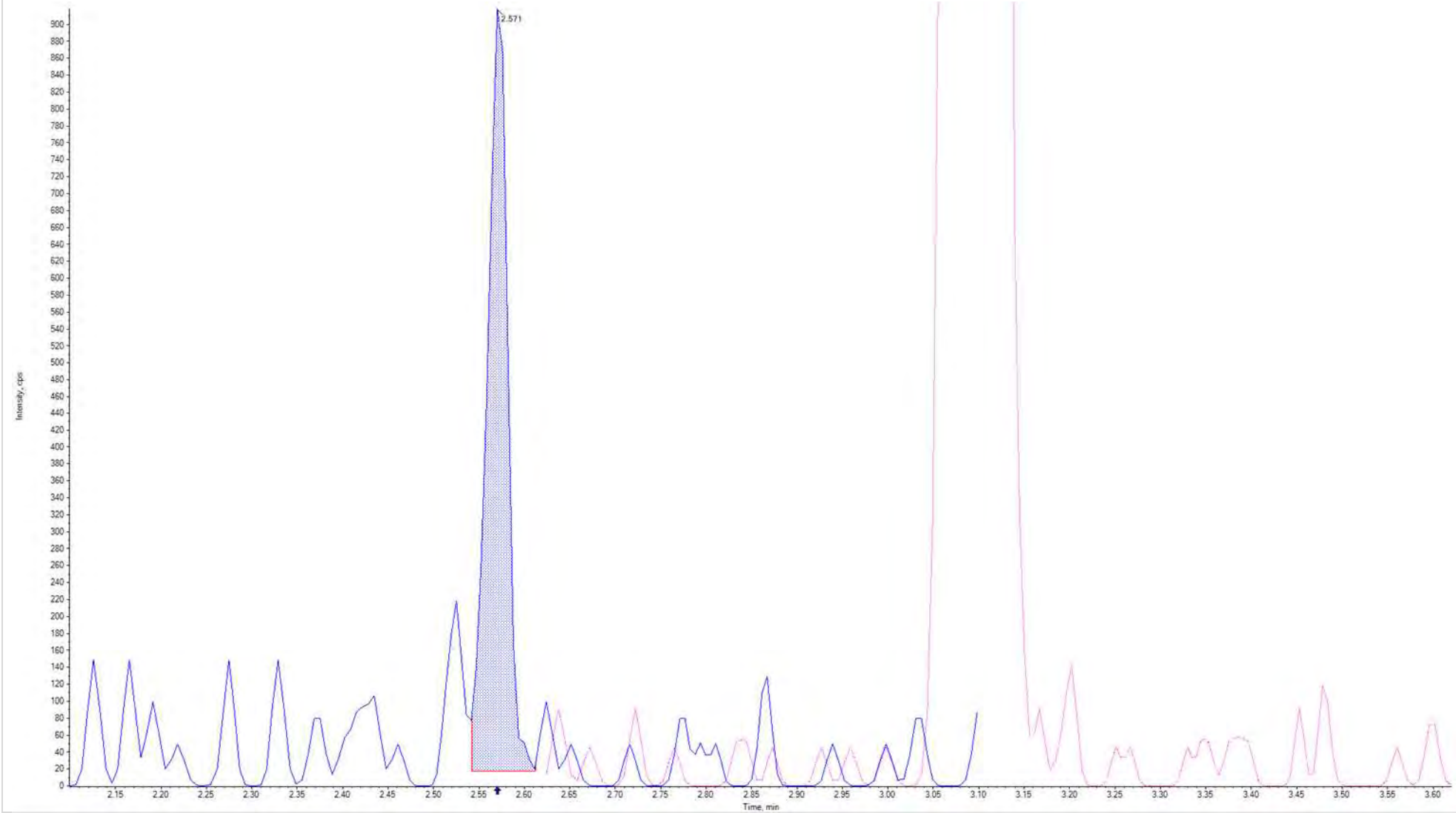
Generated: 3/11/2025 12:27:08 PM

PFPeS_2
Sample: L2512368-04 S/N:18.1 Points Across peak:14



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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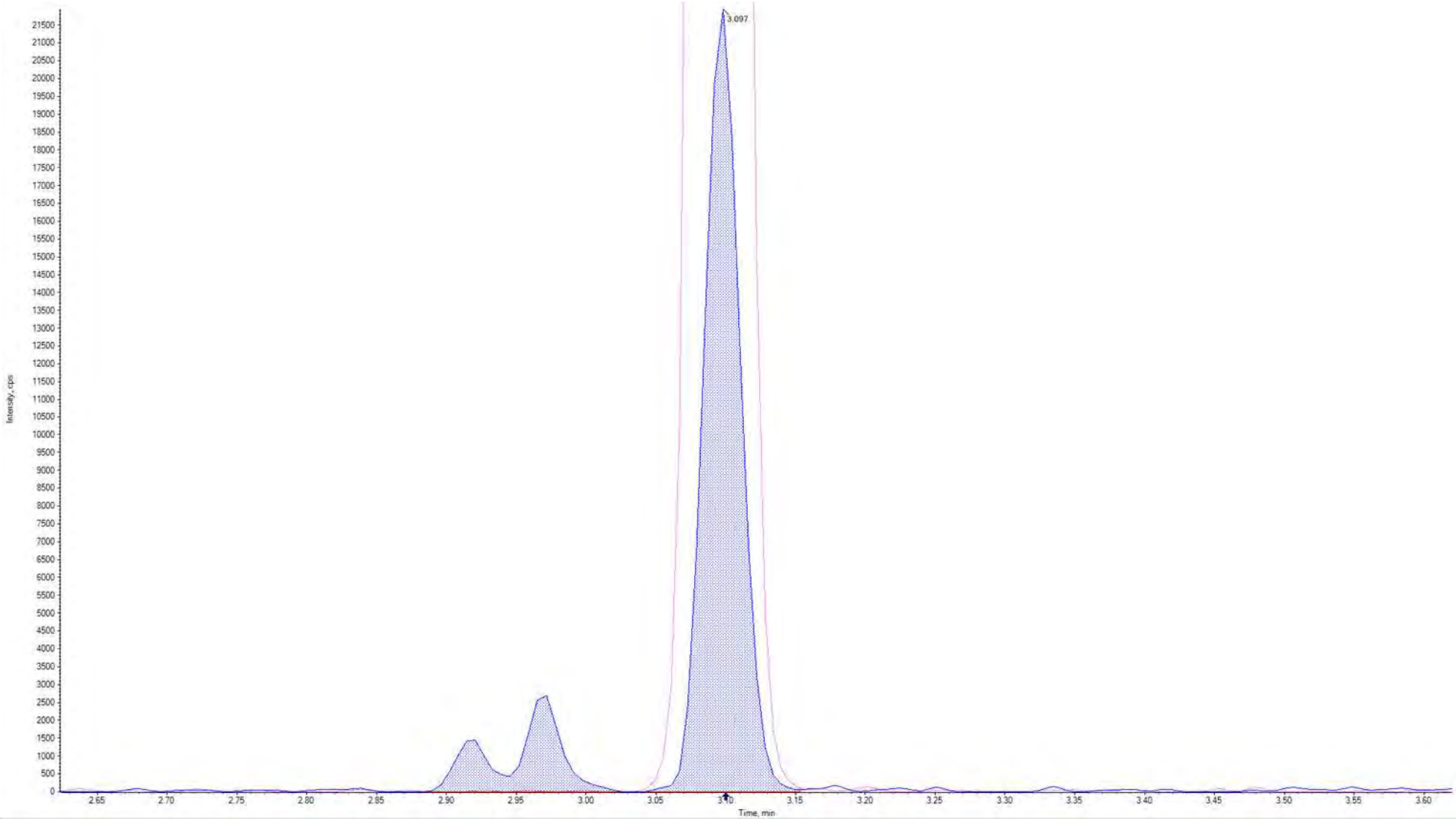
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

PFHxS
Sample: L2512368-04 S/N:405.4 Points Across peak:46



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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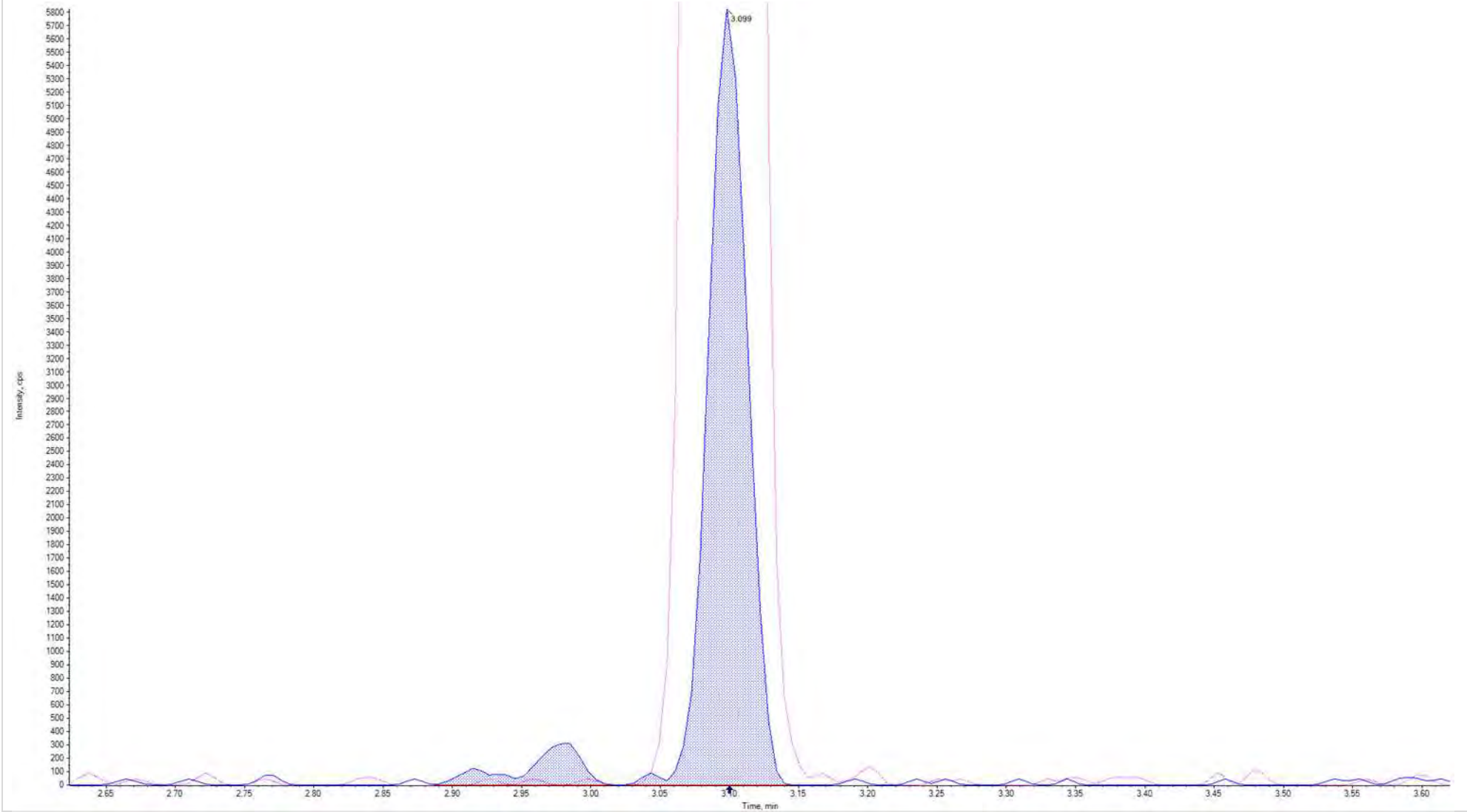
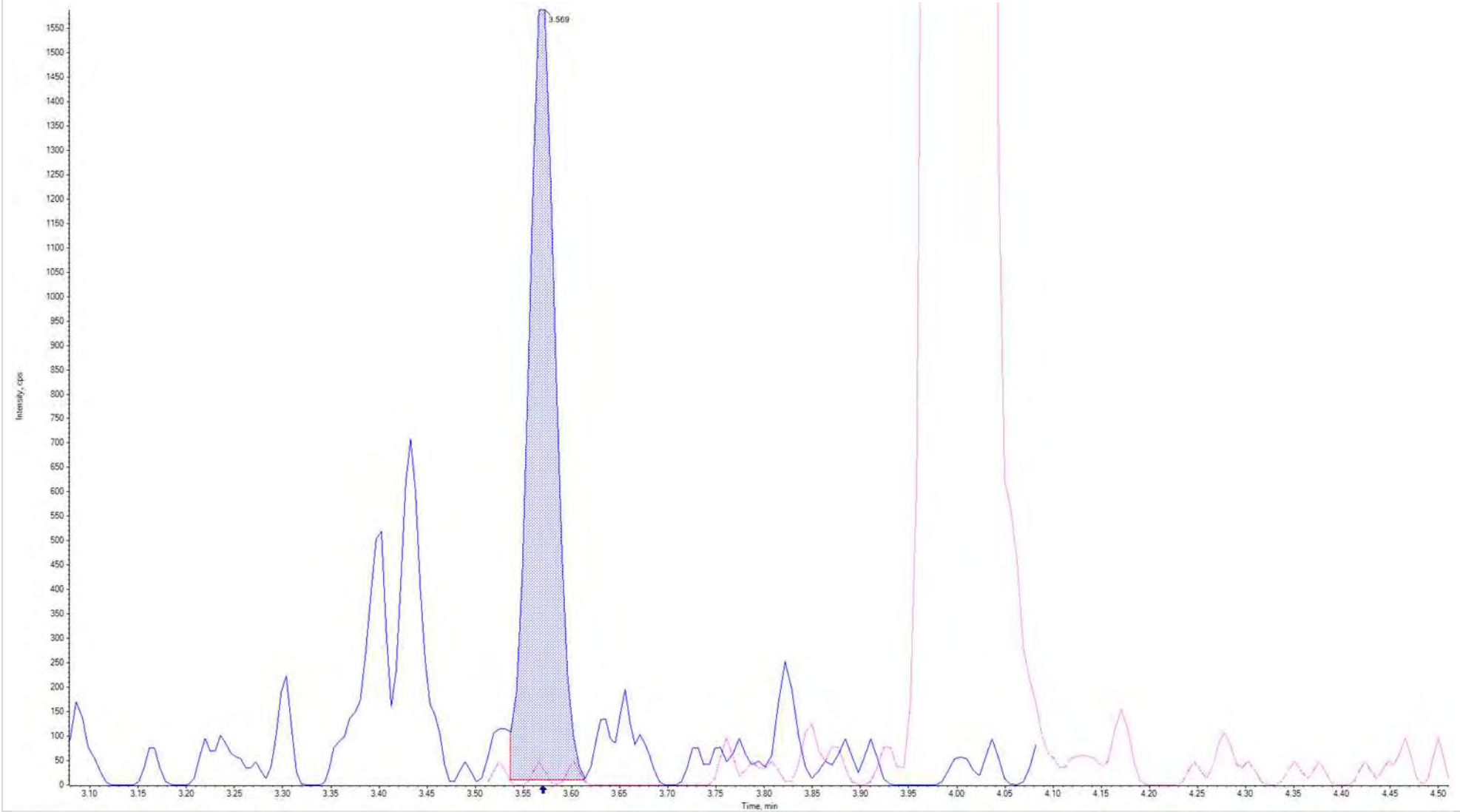
Generated: 3/11/2025 12:27:08 PM

PFHxS_2
Sample: L2512368-04 S/N:131.4 Points Across peak:44



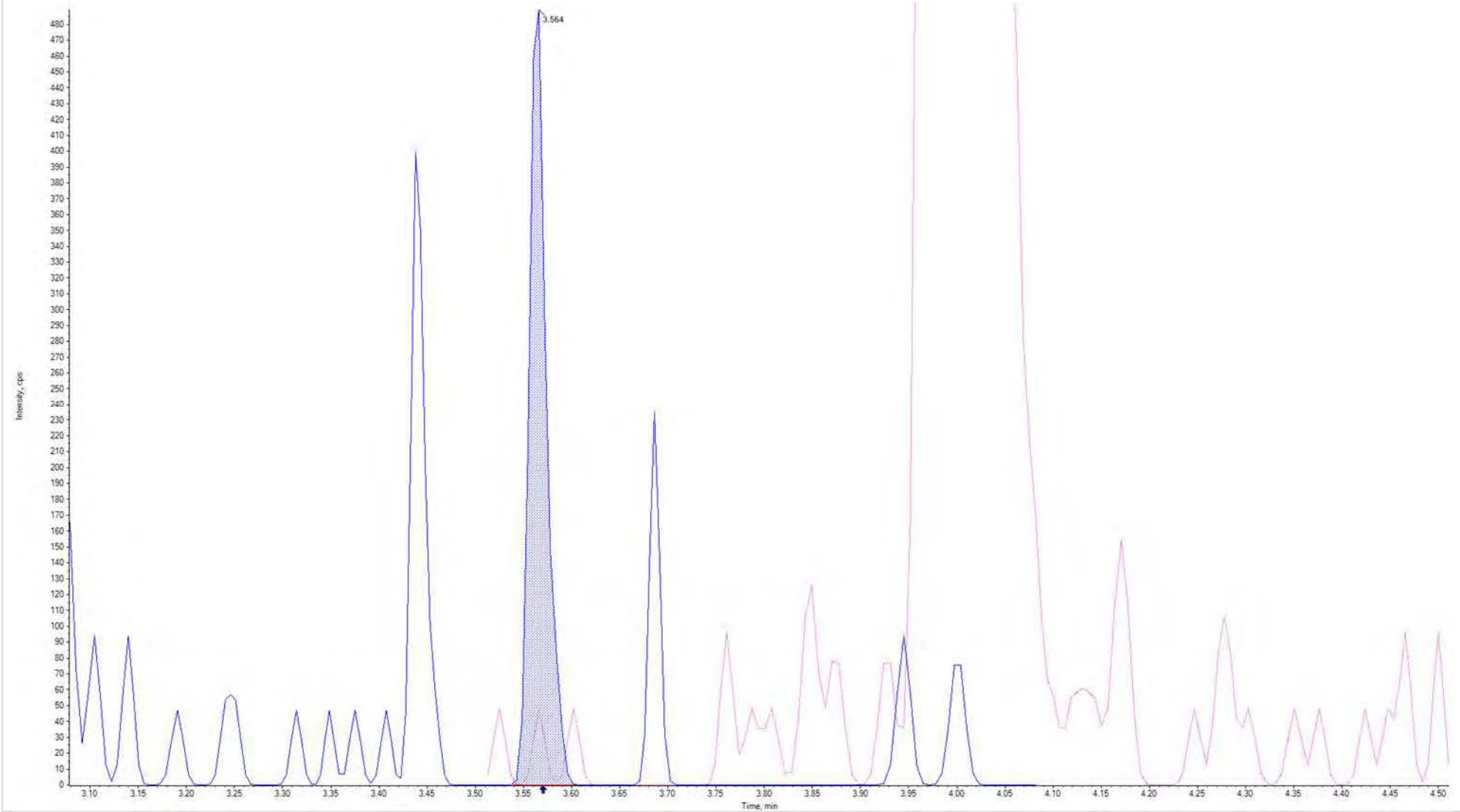
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_30.wiff2_3
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

PFHpS
Sample: L2512368-04 S/N:31.6 Points Across peak:15



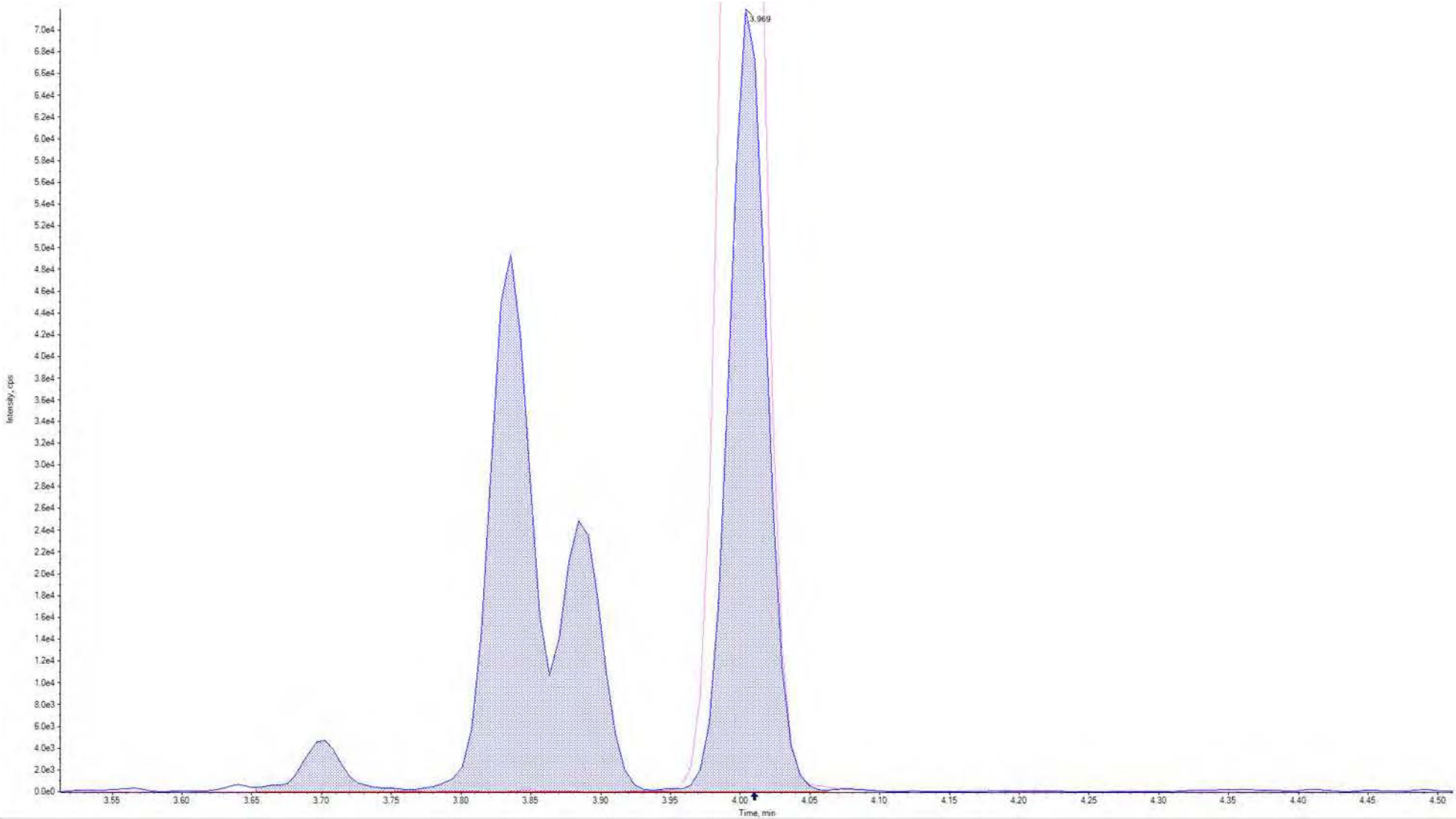
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_30.wiff2_3
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

PFHpS_2
Sample: L2512368-04 S/N:9.8 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\250311\SCI09_250311_30.wiff2_3
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

PFOS
Sample: L2512368-04 S/N:215.7 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\250311\SCI09_250311_30.wiff2_3
Last Altered: 3/11/2025 2:07:22 PM
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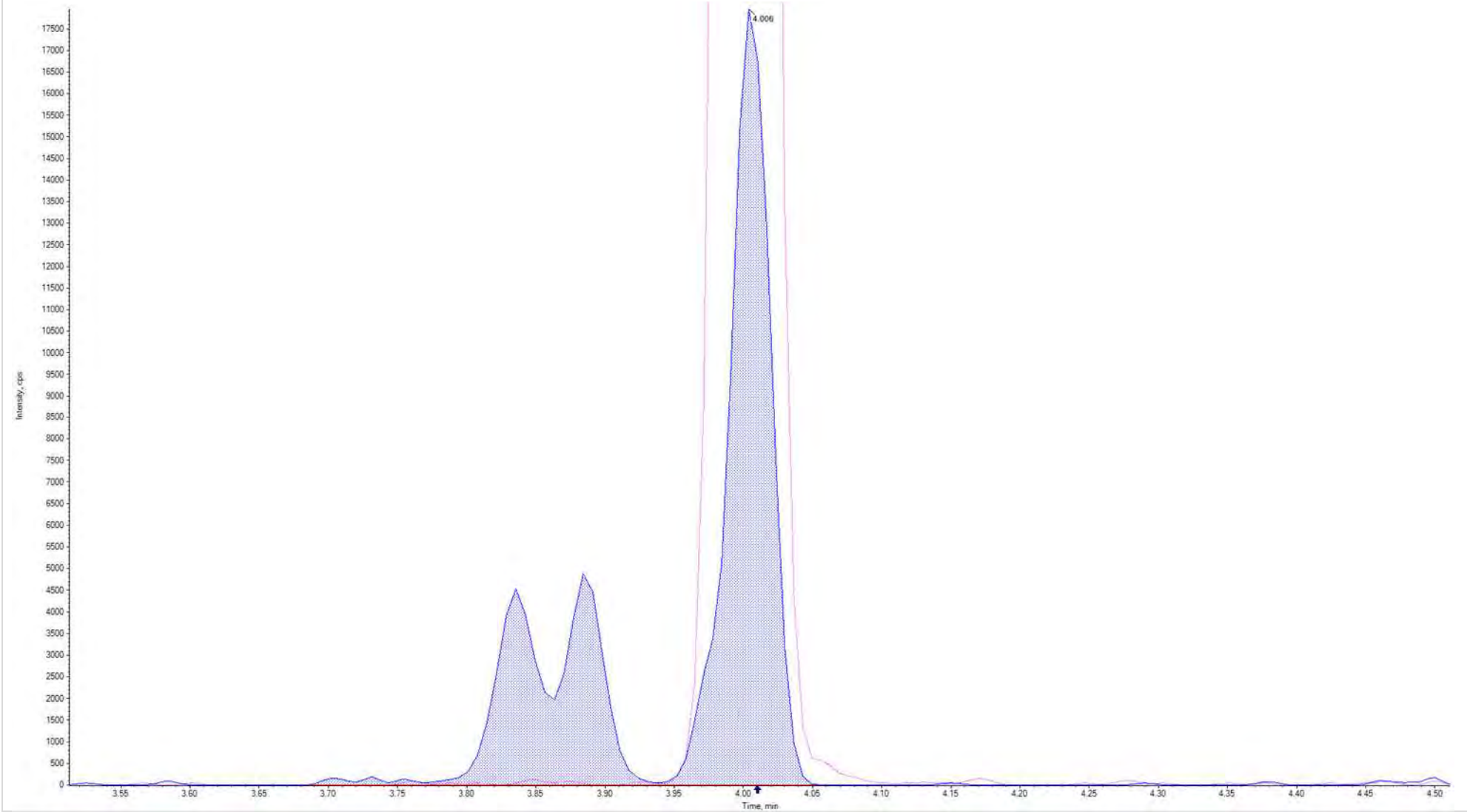
PFOS_2
Sample: L2512368-04 S/N:317.8 Points Across peak:60



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/11/2025 2:07:22 PM
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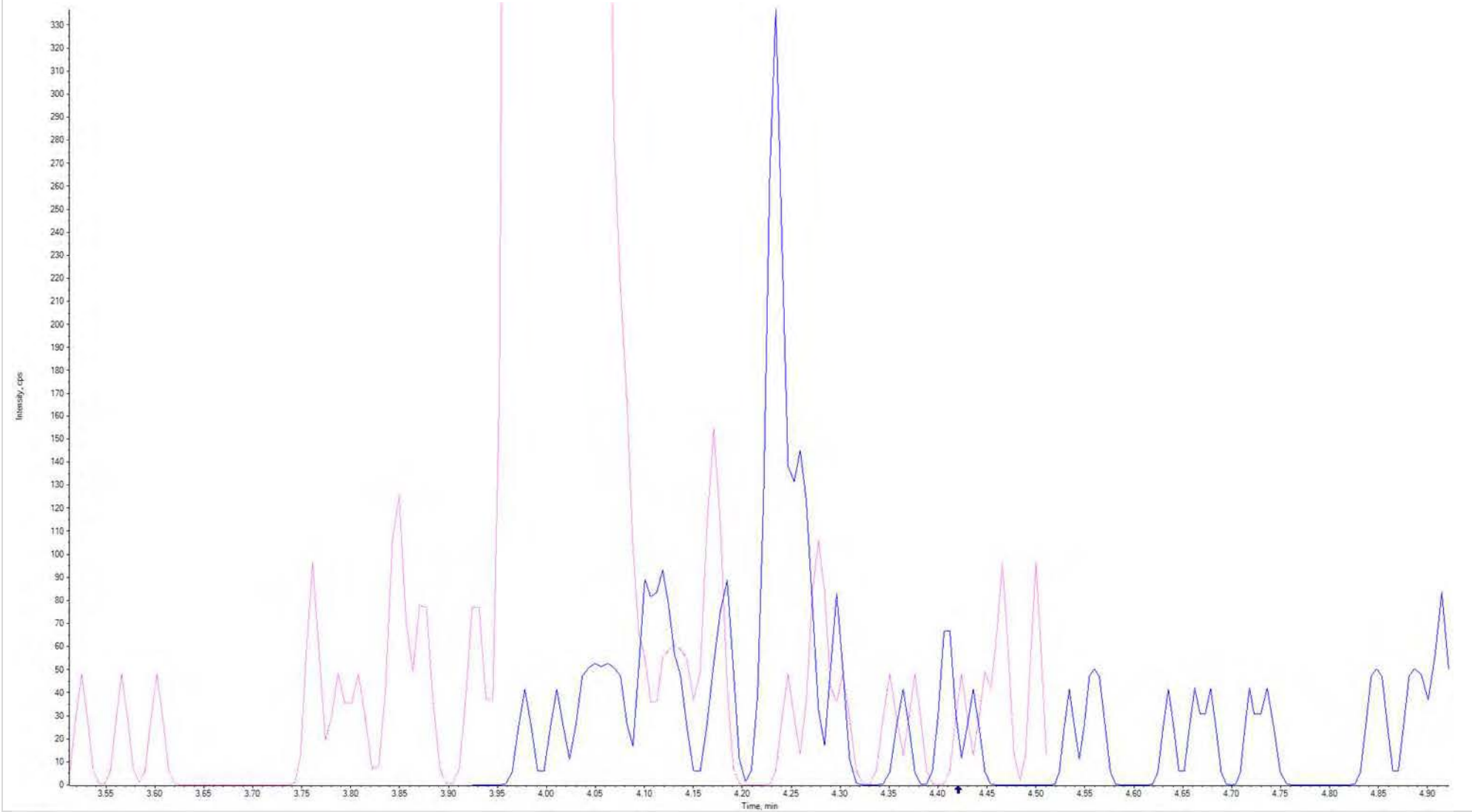
PFNS
Sample: L2512368-04 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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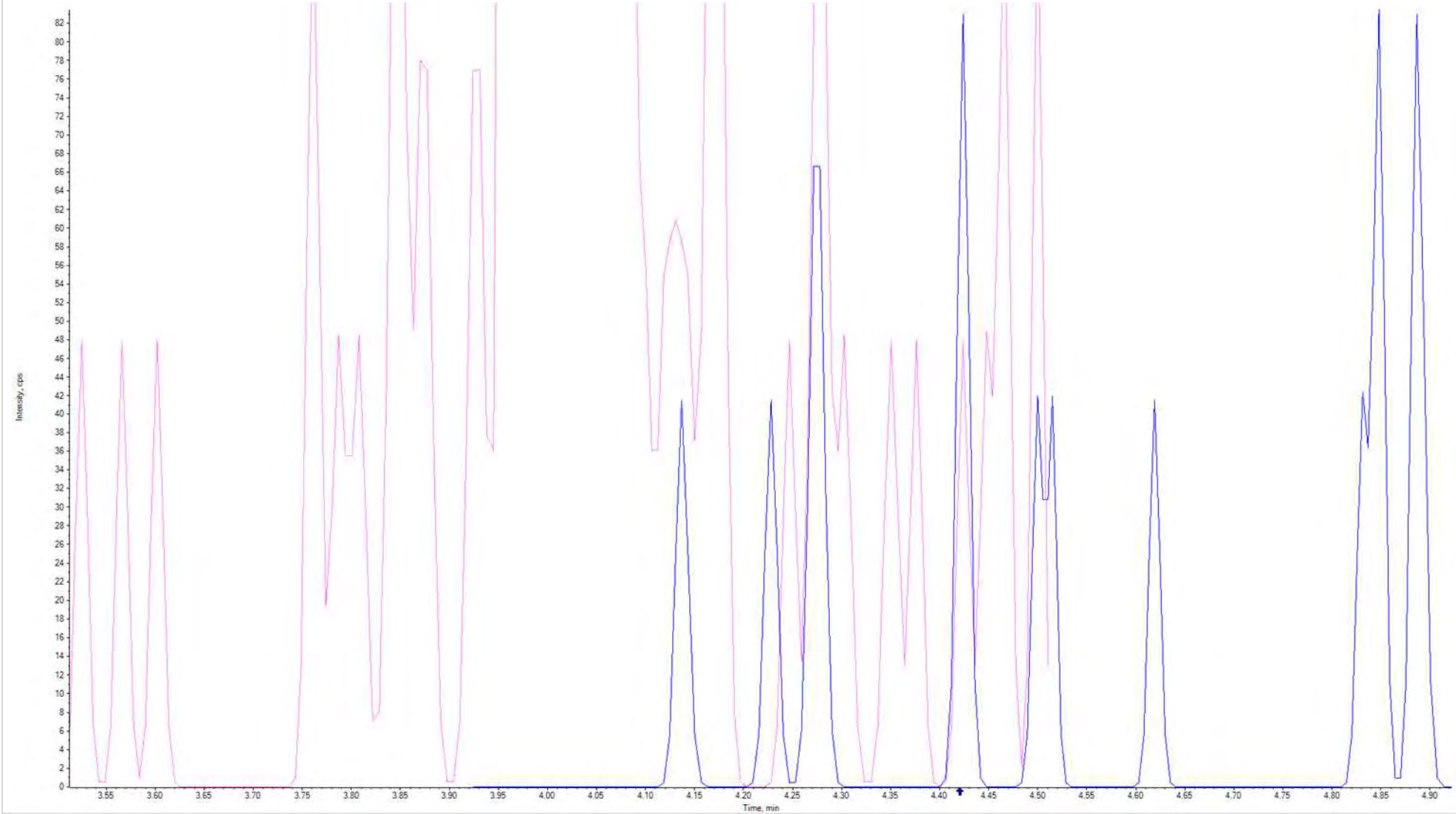
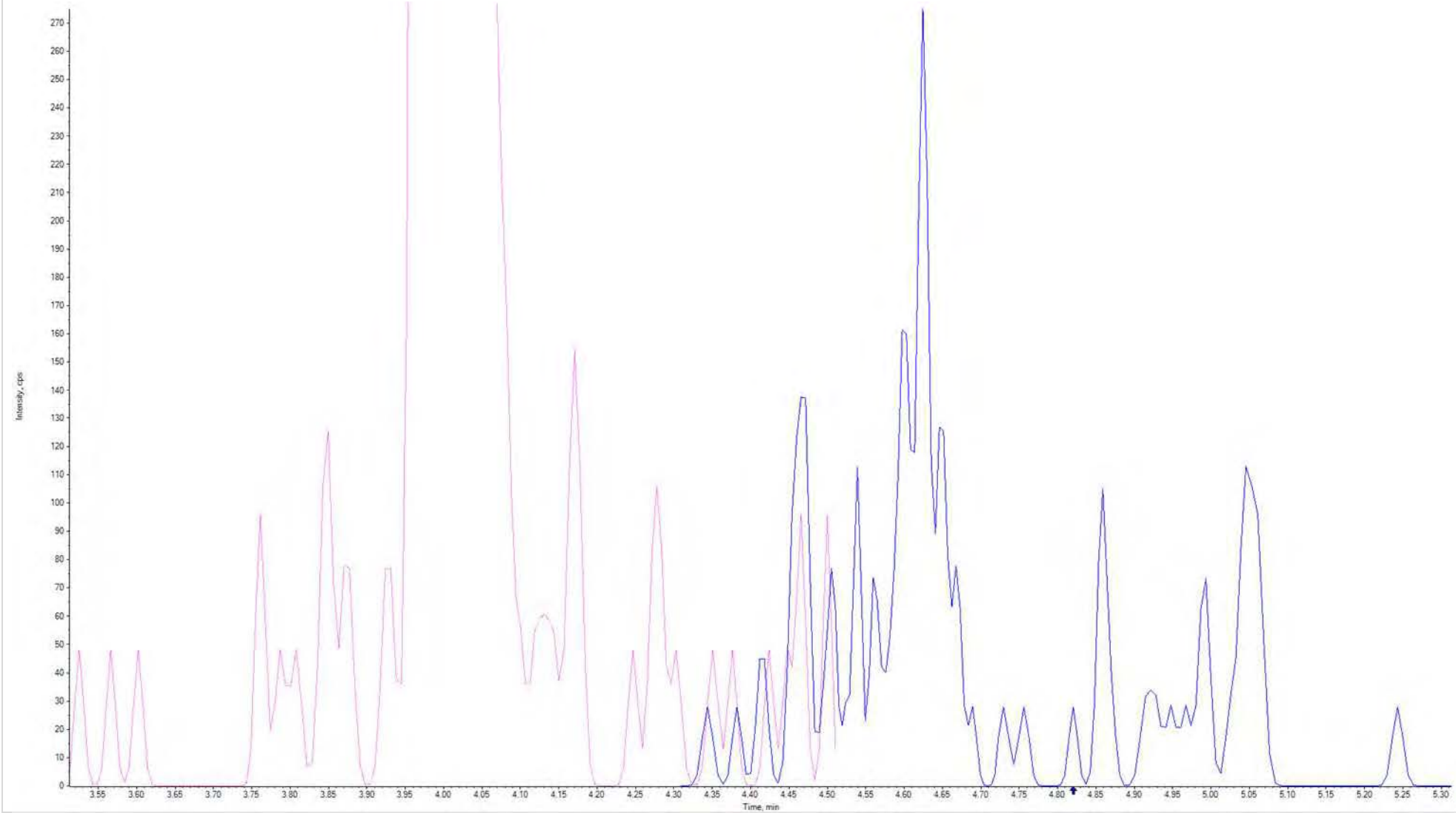
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

PFNS_2
Sample: L2512368-04 S/N:N/A Points Across peak:N/A



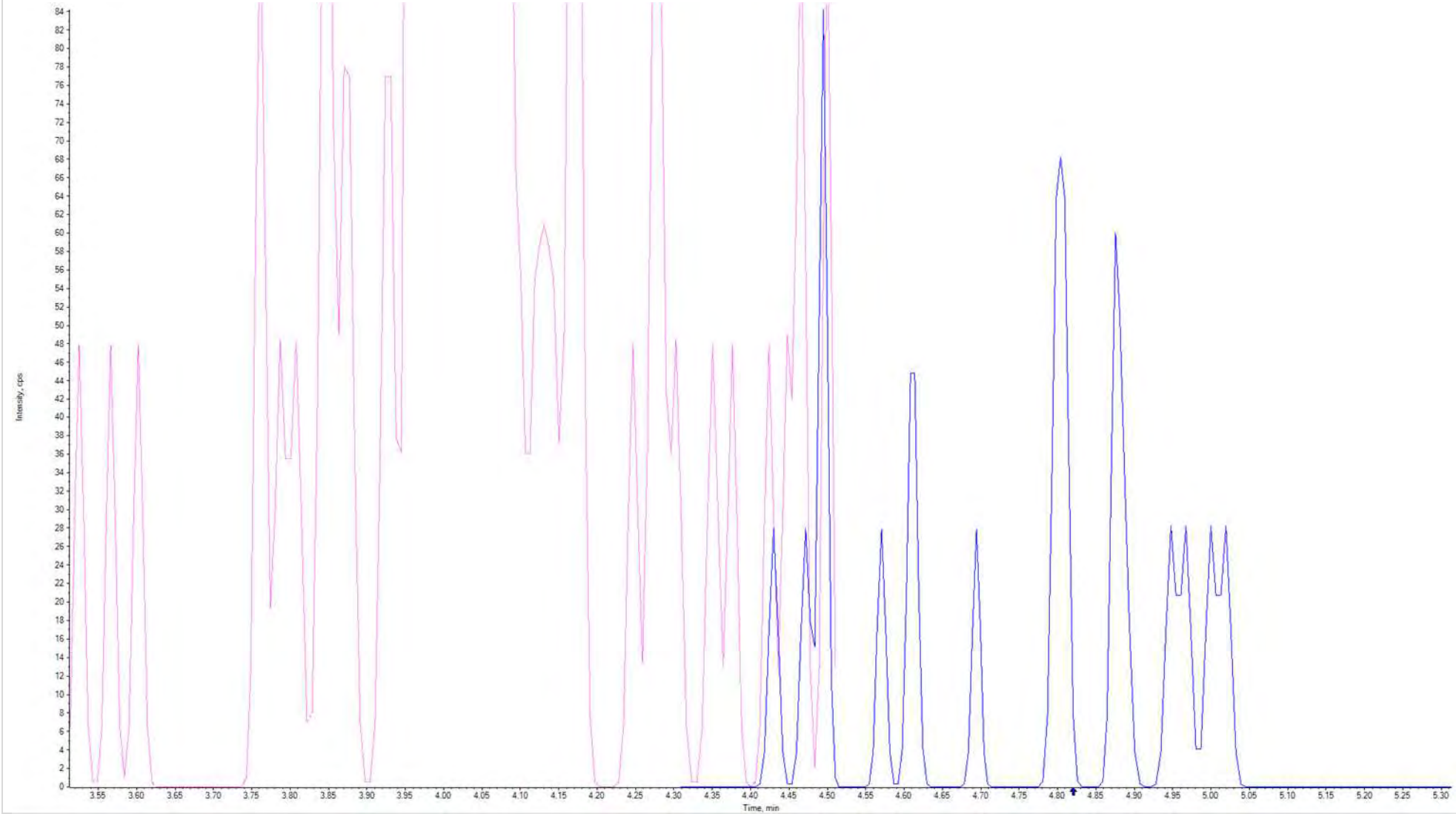
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_30.wiff2_3
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

PFDS
Sample: L2512368-04 S/N:N/A Points Across peak:N/A



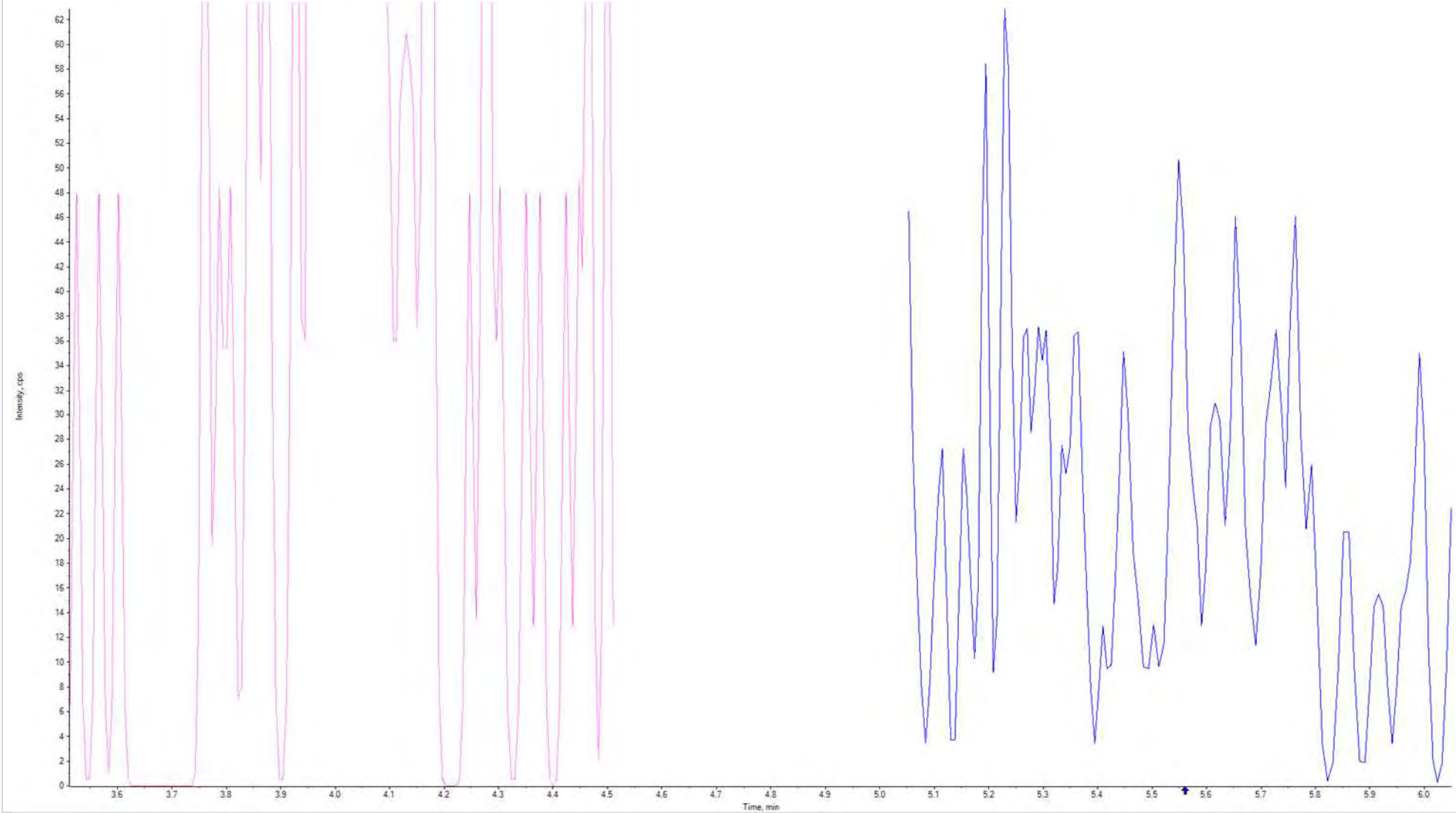
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_30.wiff2_3
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

PFDS_2
Sample: L2512368-04 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\250311\SCI09_250311_30.wiff2_3
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

PFDoS
Sample: L2512368-04 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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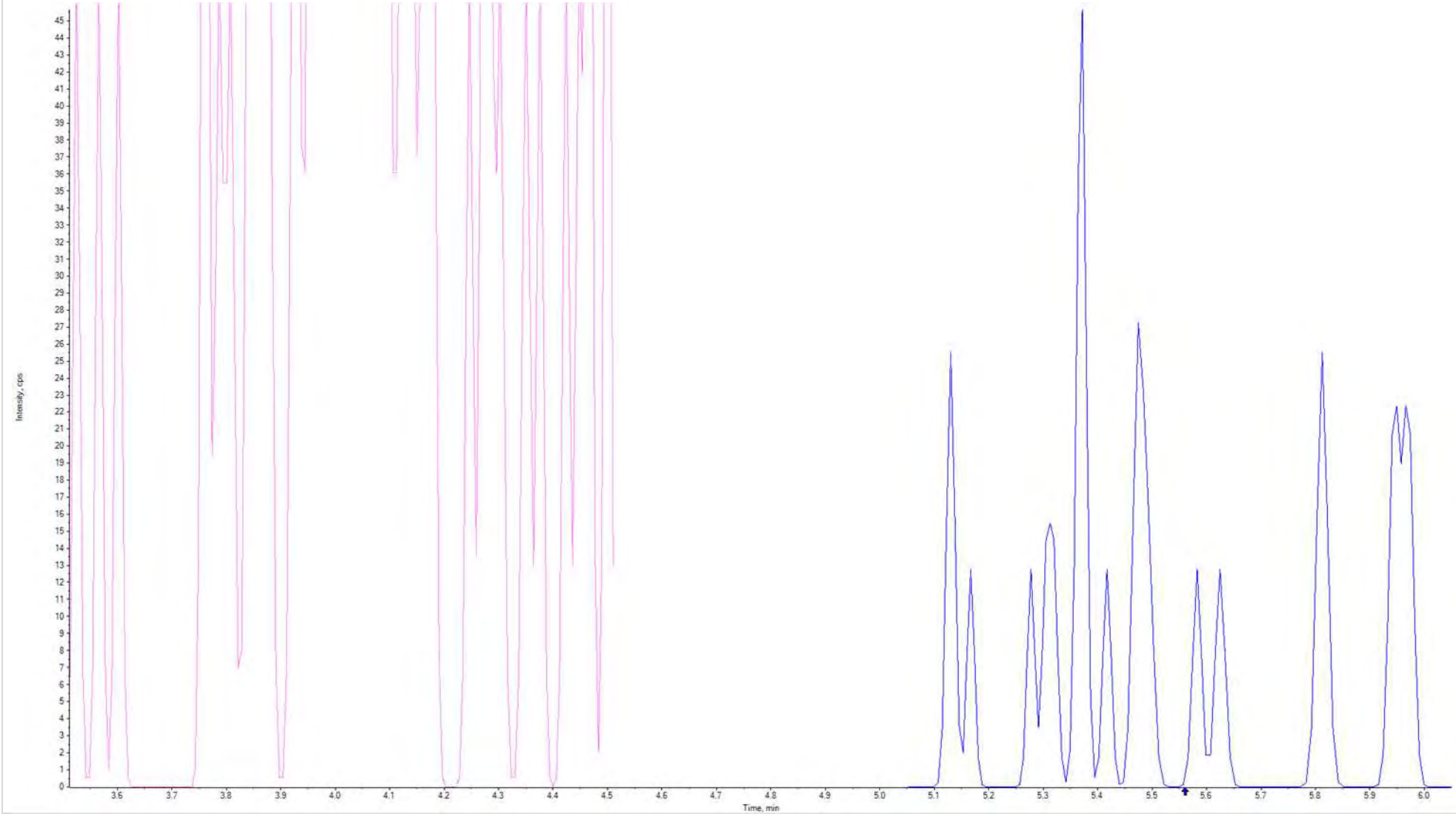
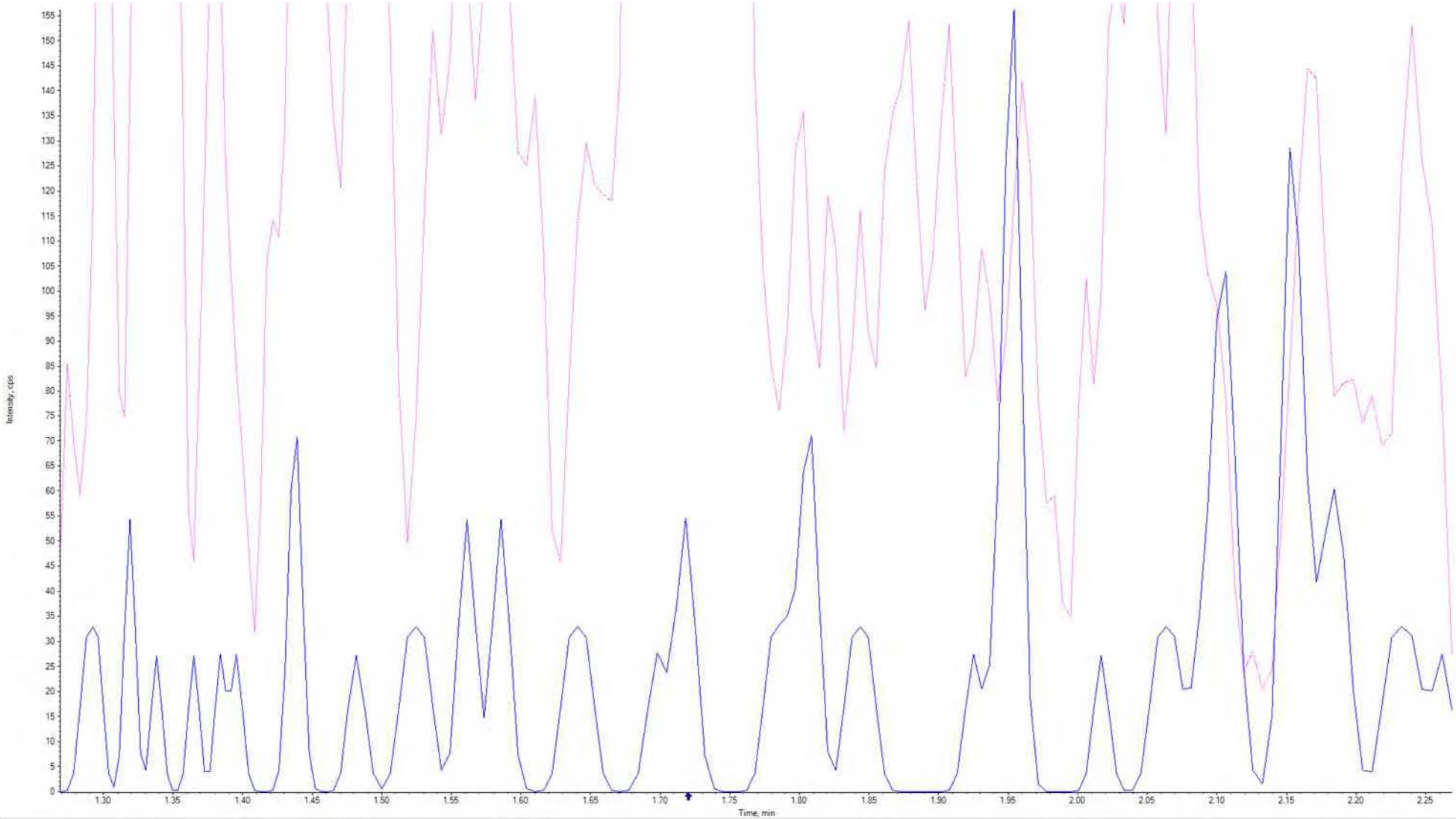
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

PFDoS_2
Sample: L2512368-04 S/N:N/A Points Across peak:N/A

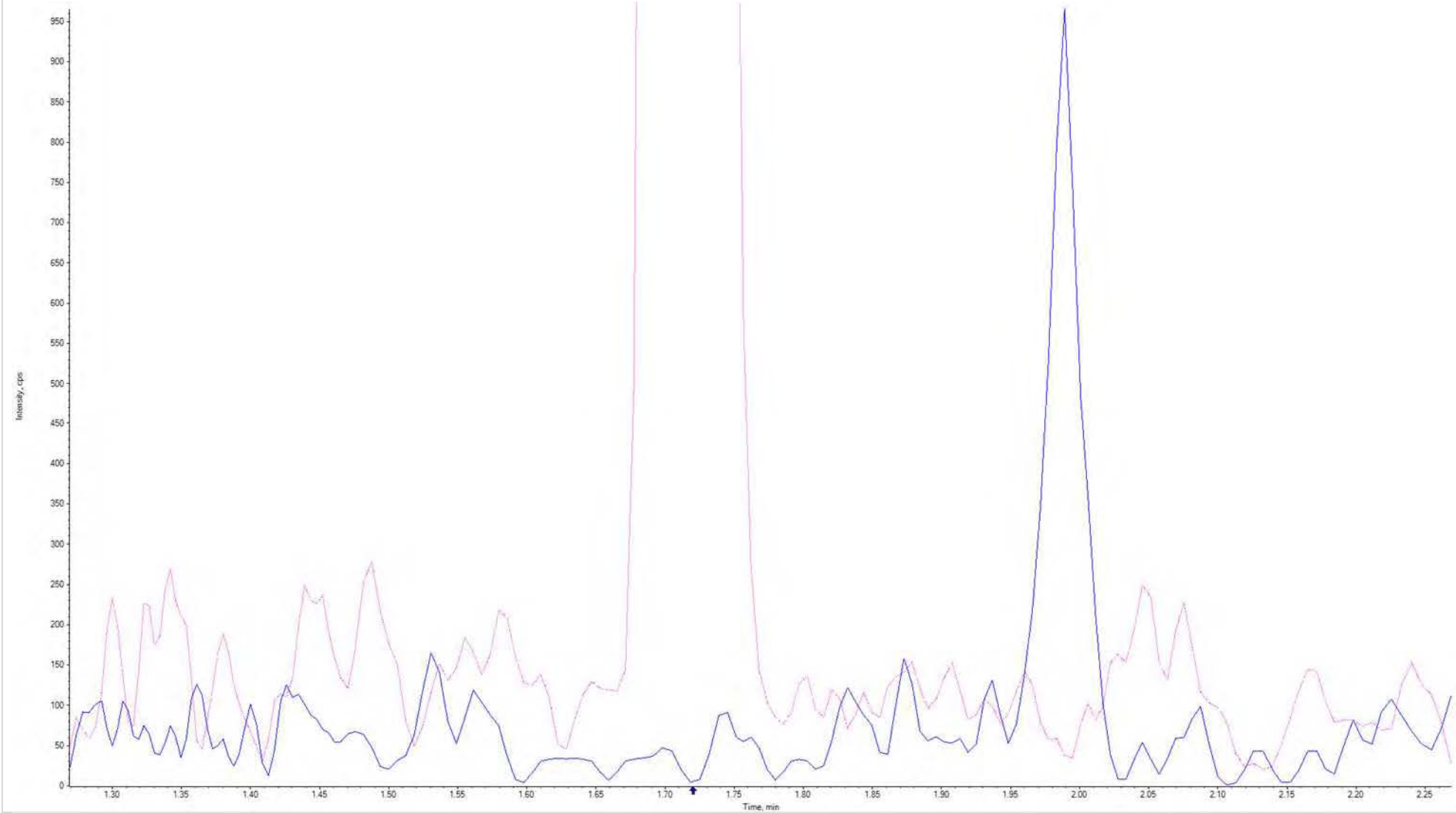


4:2FTS
Sample: L2512368-04 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_30.wiff2_3
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

4:2FTS_2
Sample: L2512368-04 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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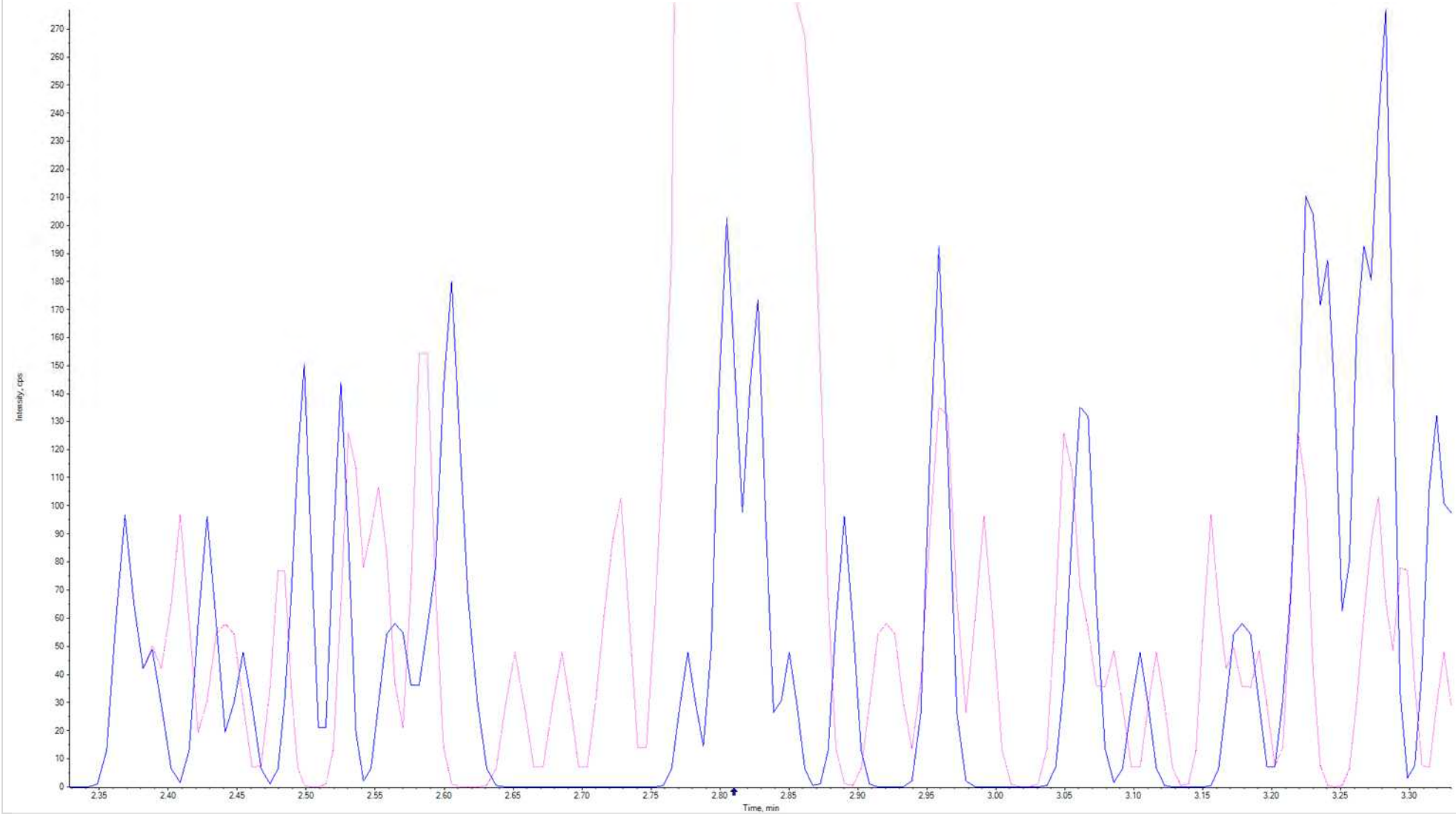
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

6:2FTS
Sample: L2512368-04 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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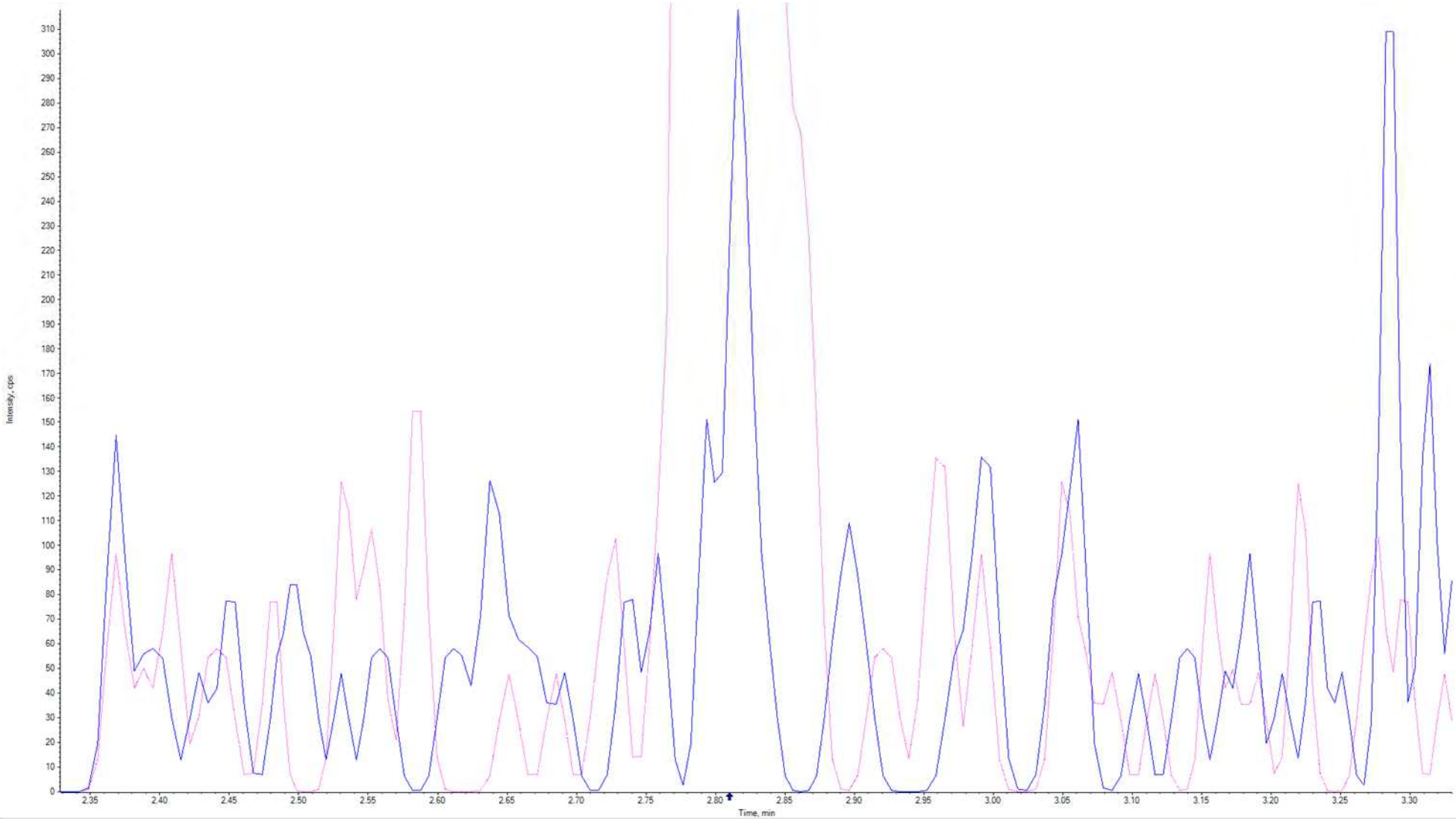
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

6:2FTS_2
Sample: L2512368-04 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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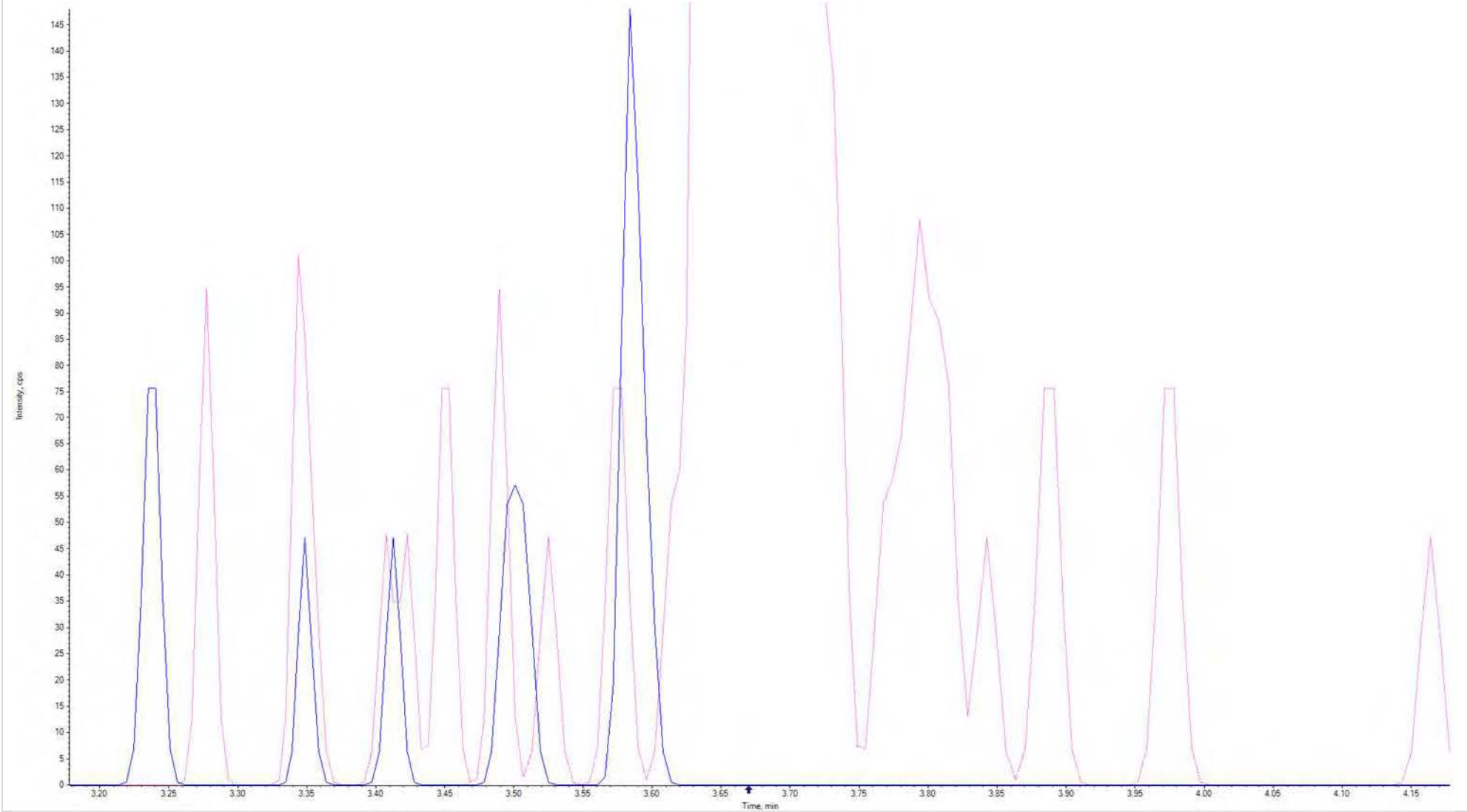
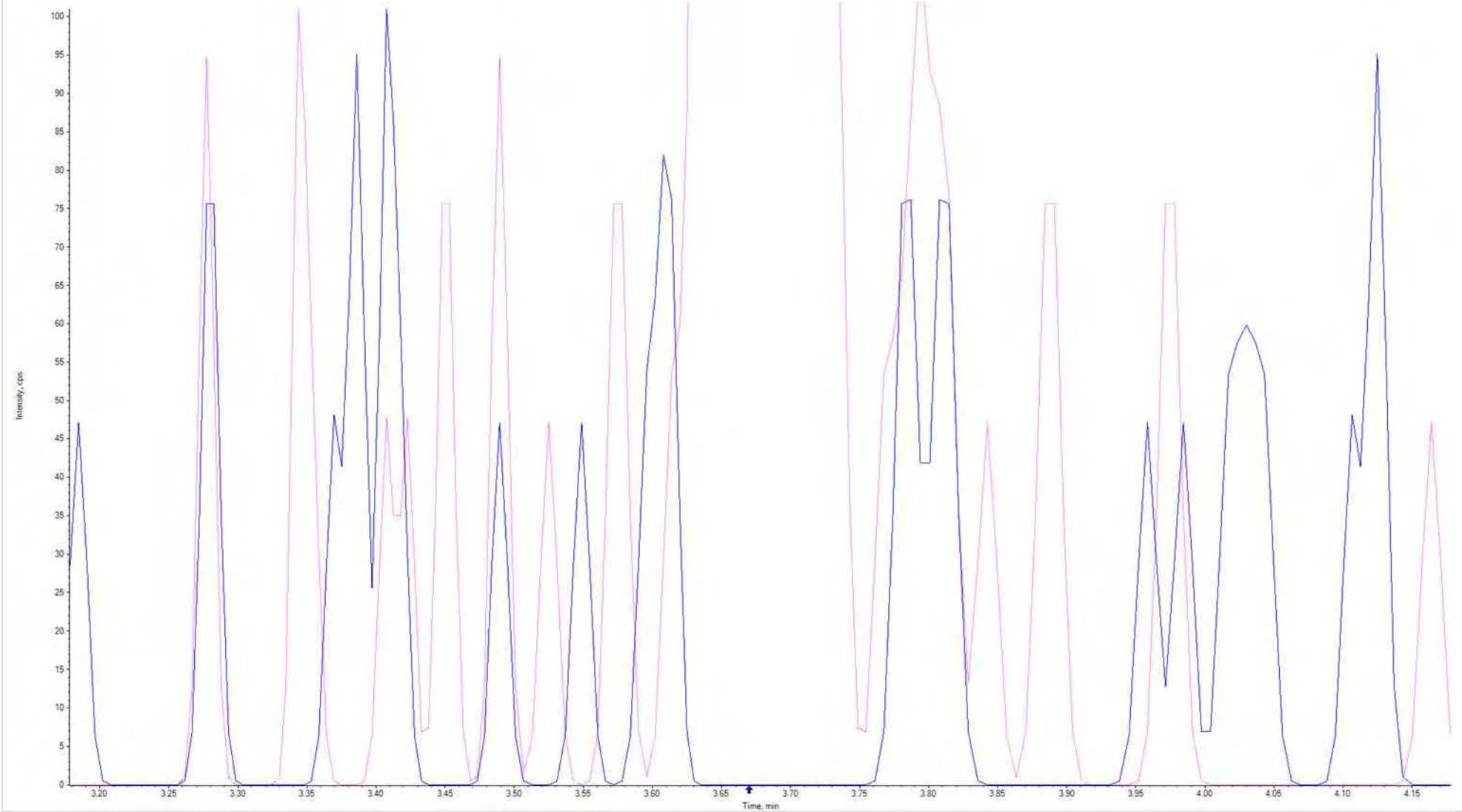
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

8:2FTS
Sample: L2512368-04 S/N:N/A Points Across peak:N/A



8:2FTS_2
Sample: L2512368-04 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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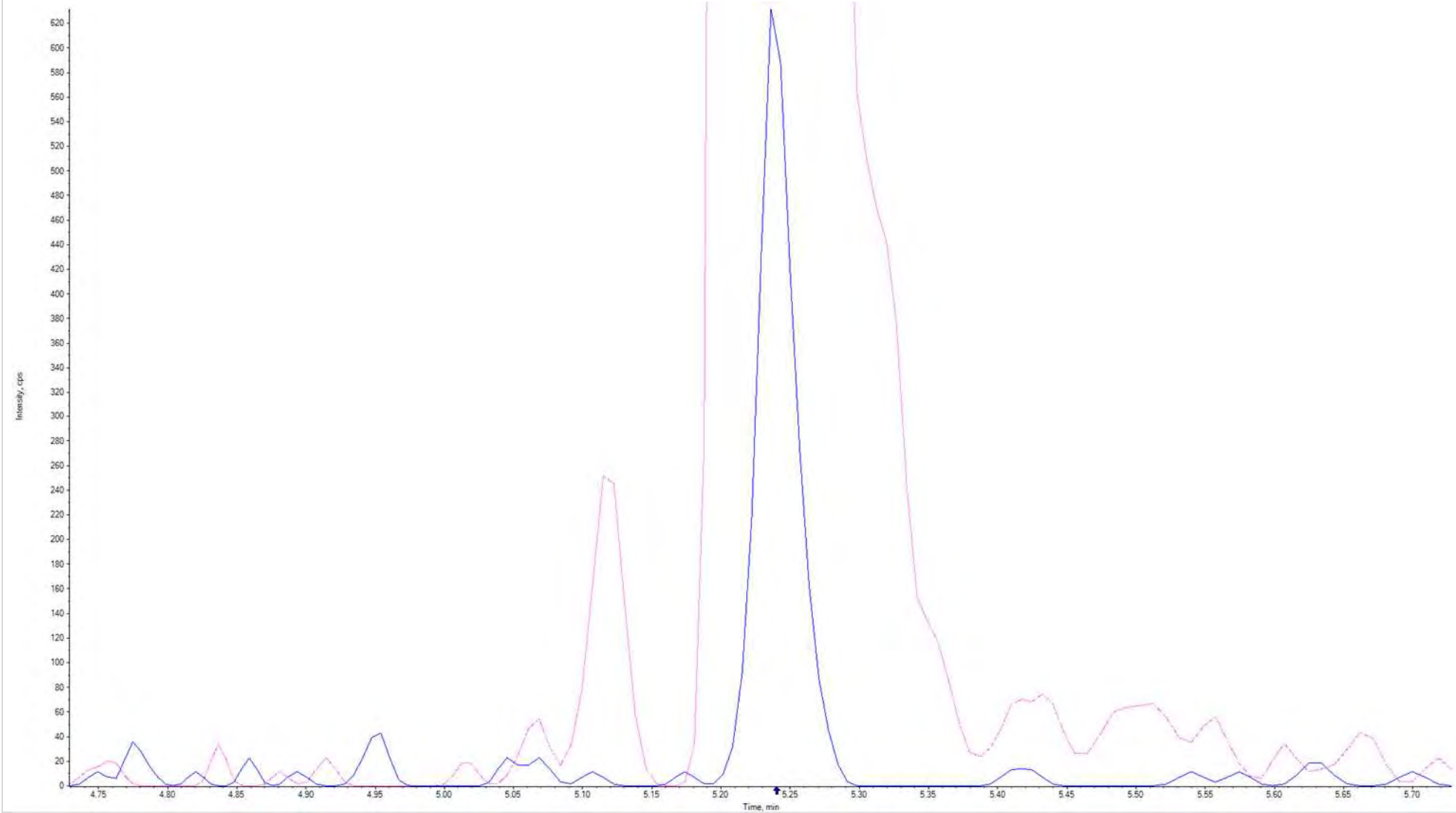
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

PFOSA
Sample: L2512368-04 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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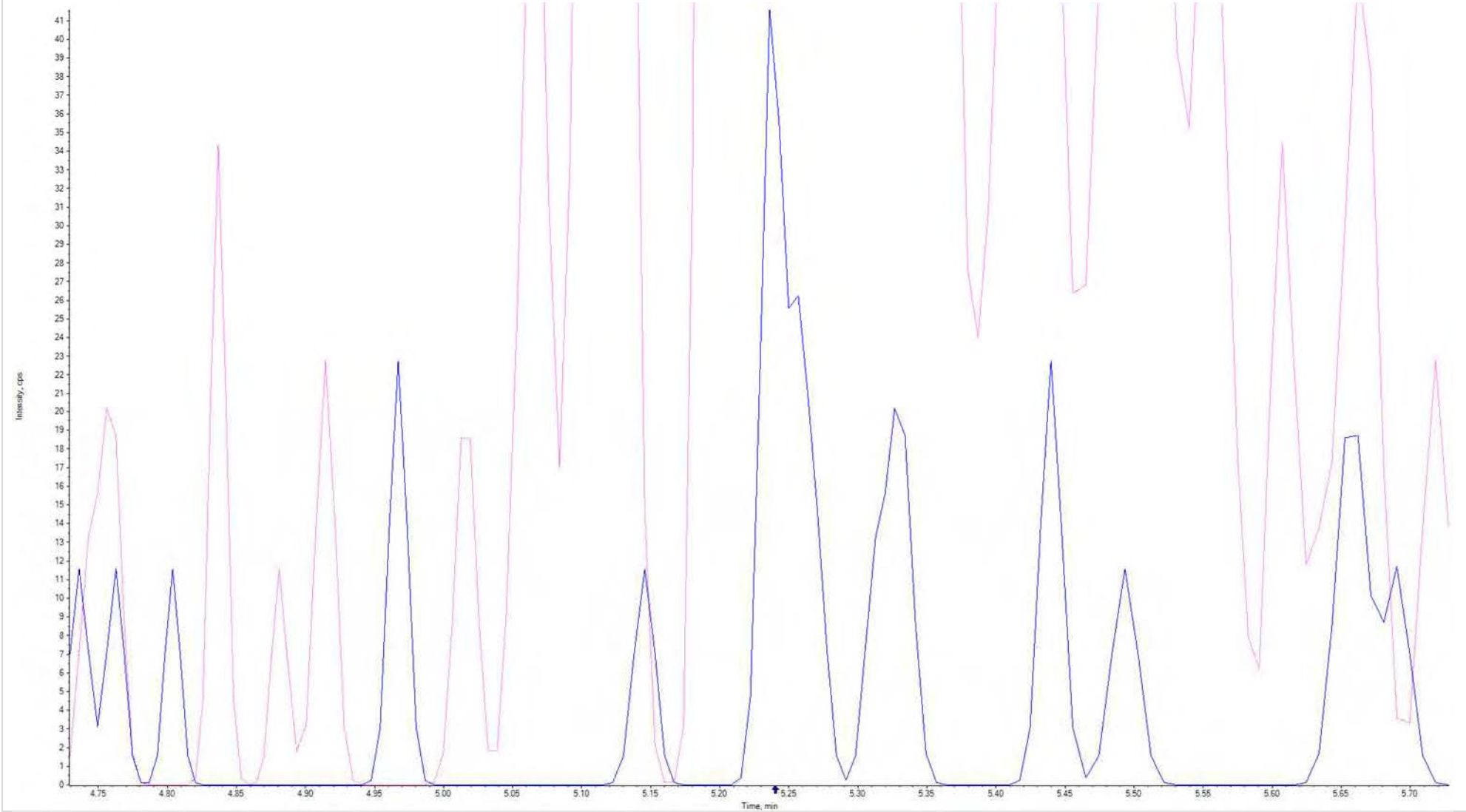
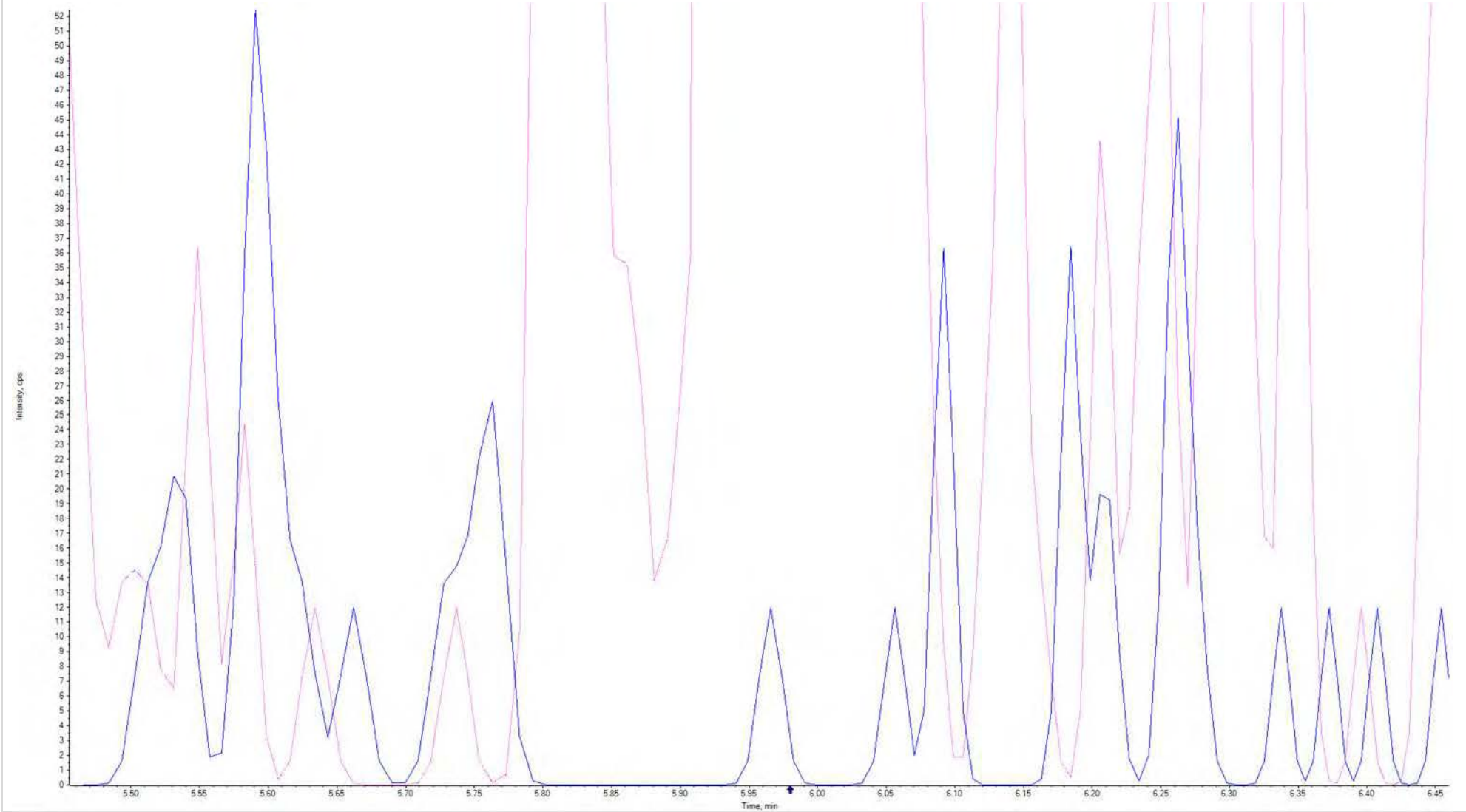
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

PFOSA_2
Sample: L2512368-04 S/N:N/A Points Across peak:N/A



NMeFOSA
Sample: L2512368-04 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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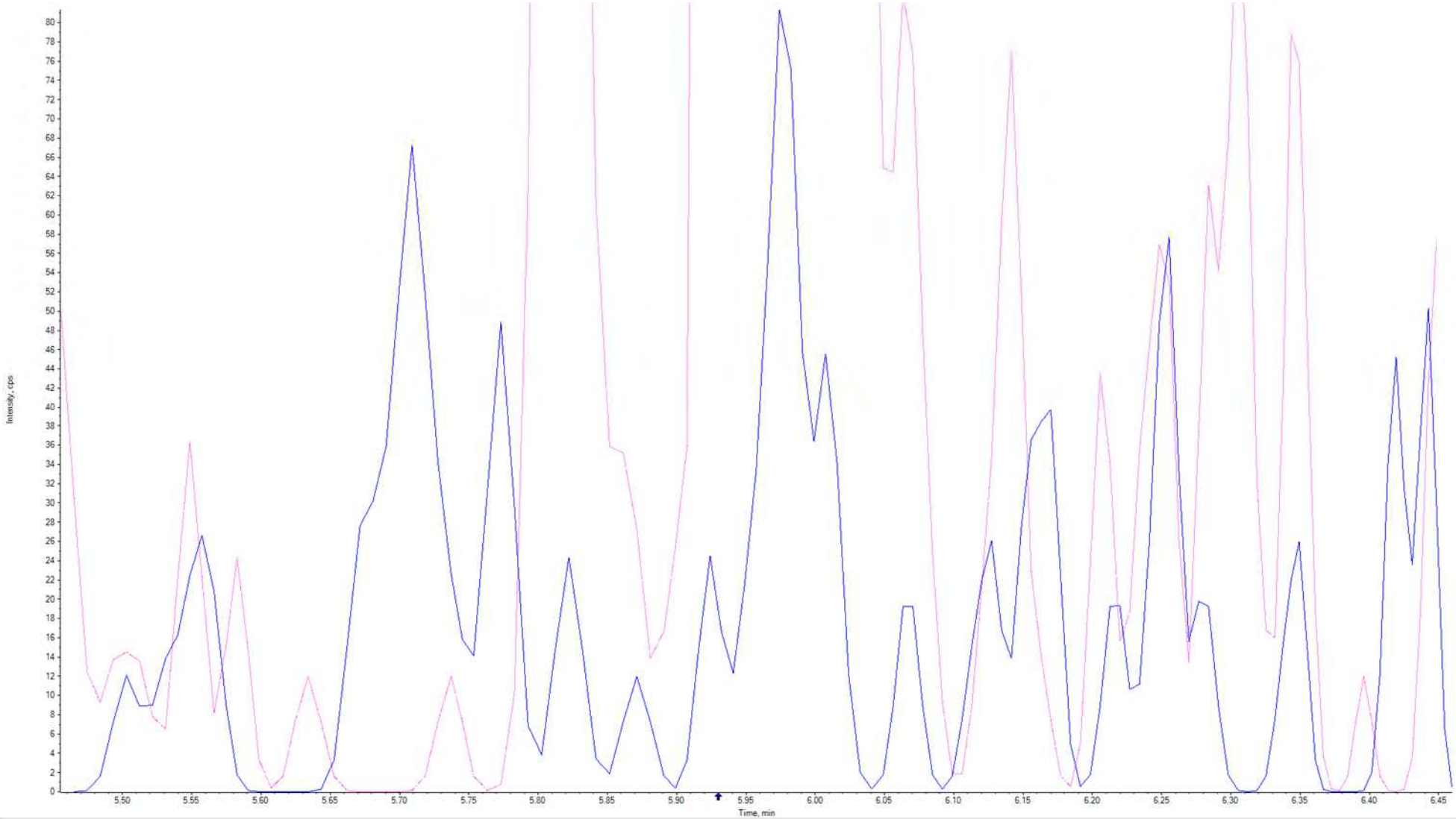
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

NMeFOSA_2
Sample: L2512368-04 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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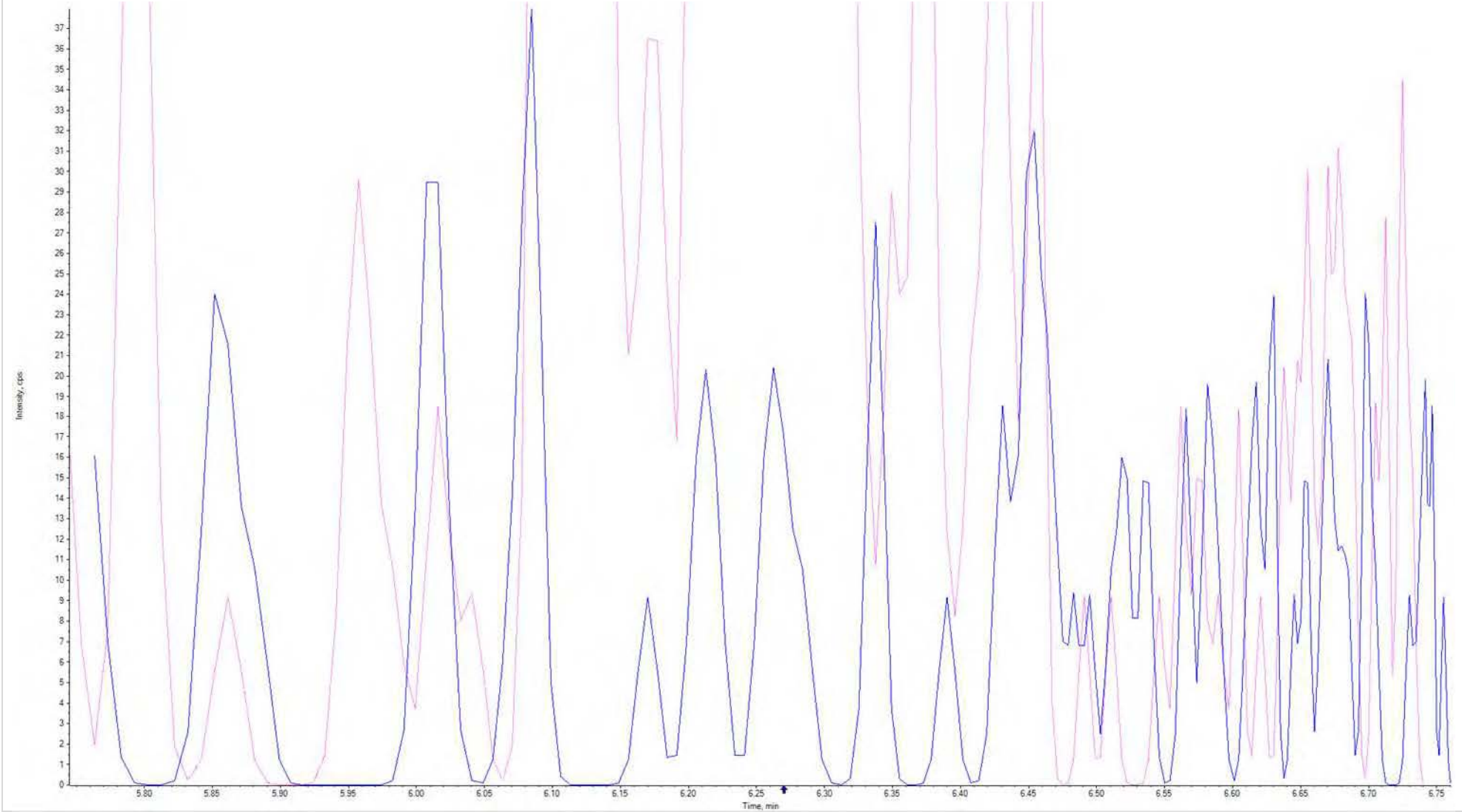
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

NEtFOSA
Sample: L2512368-04 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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NEtFOSA_2
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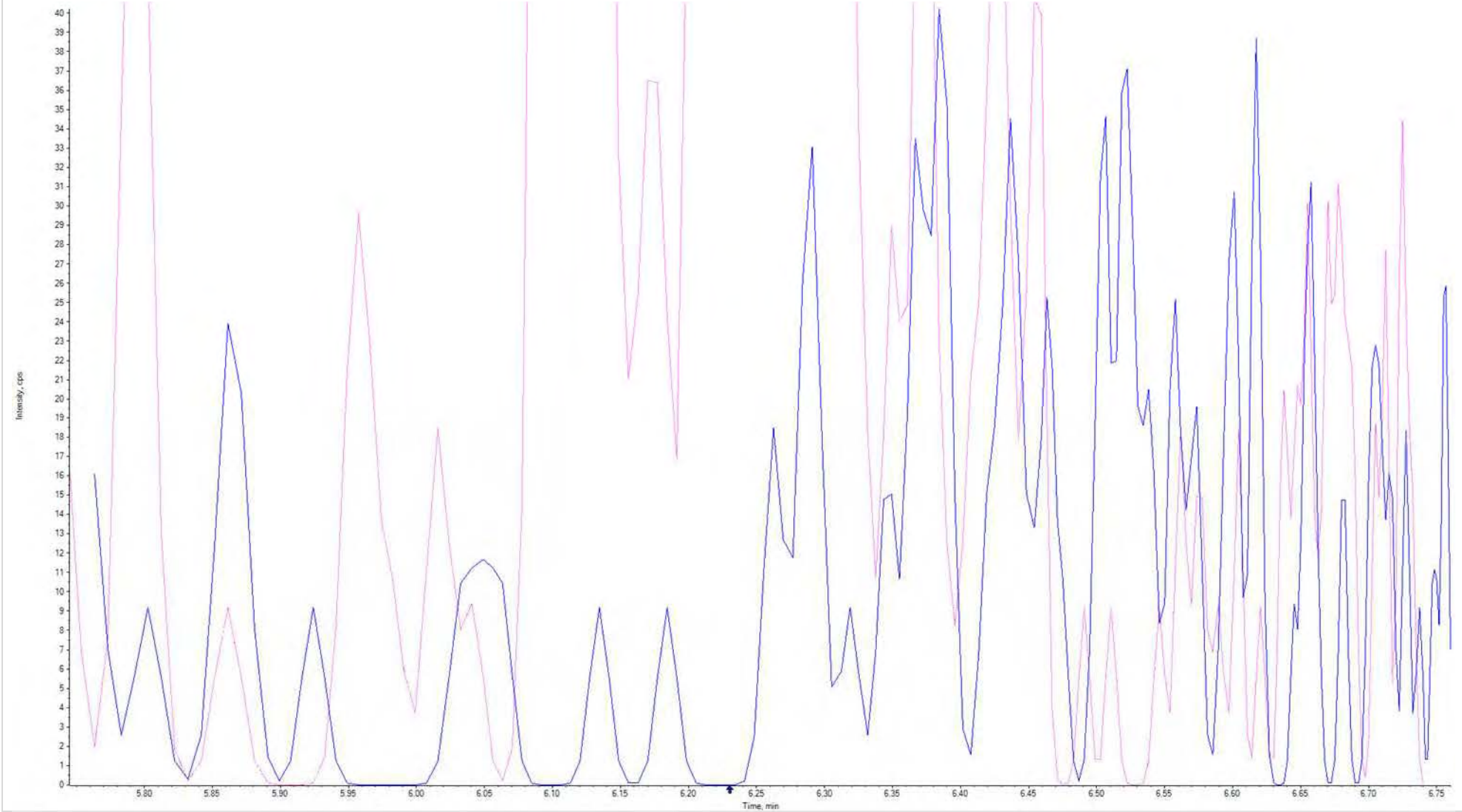

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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NMeFOSAA
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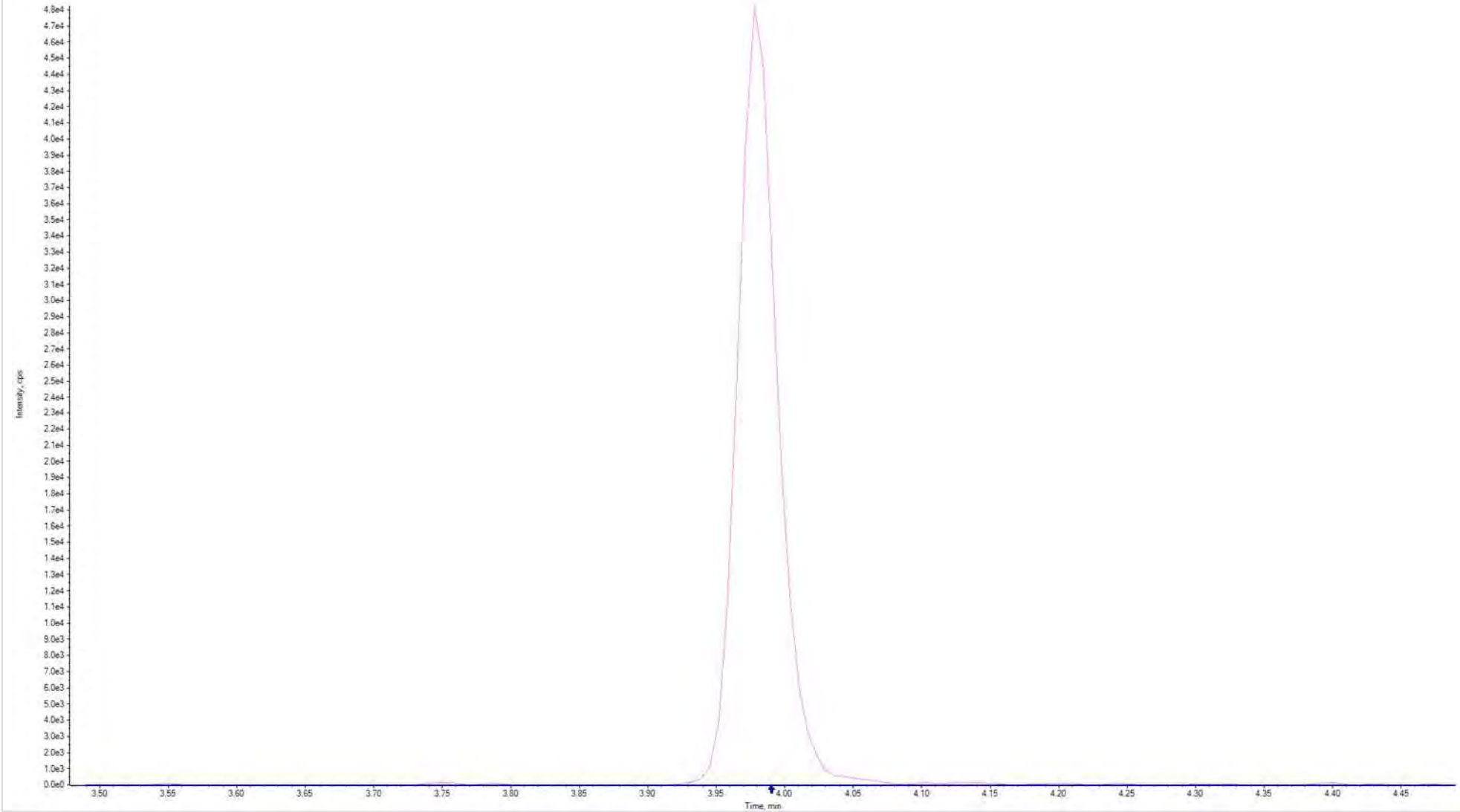

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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NMeFOSAA_2
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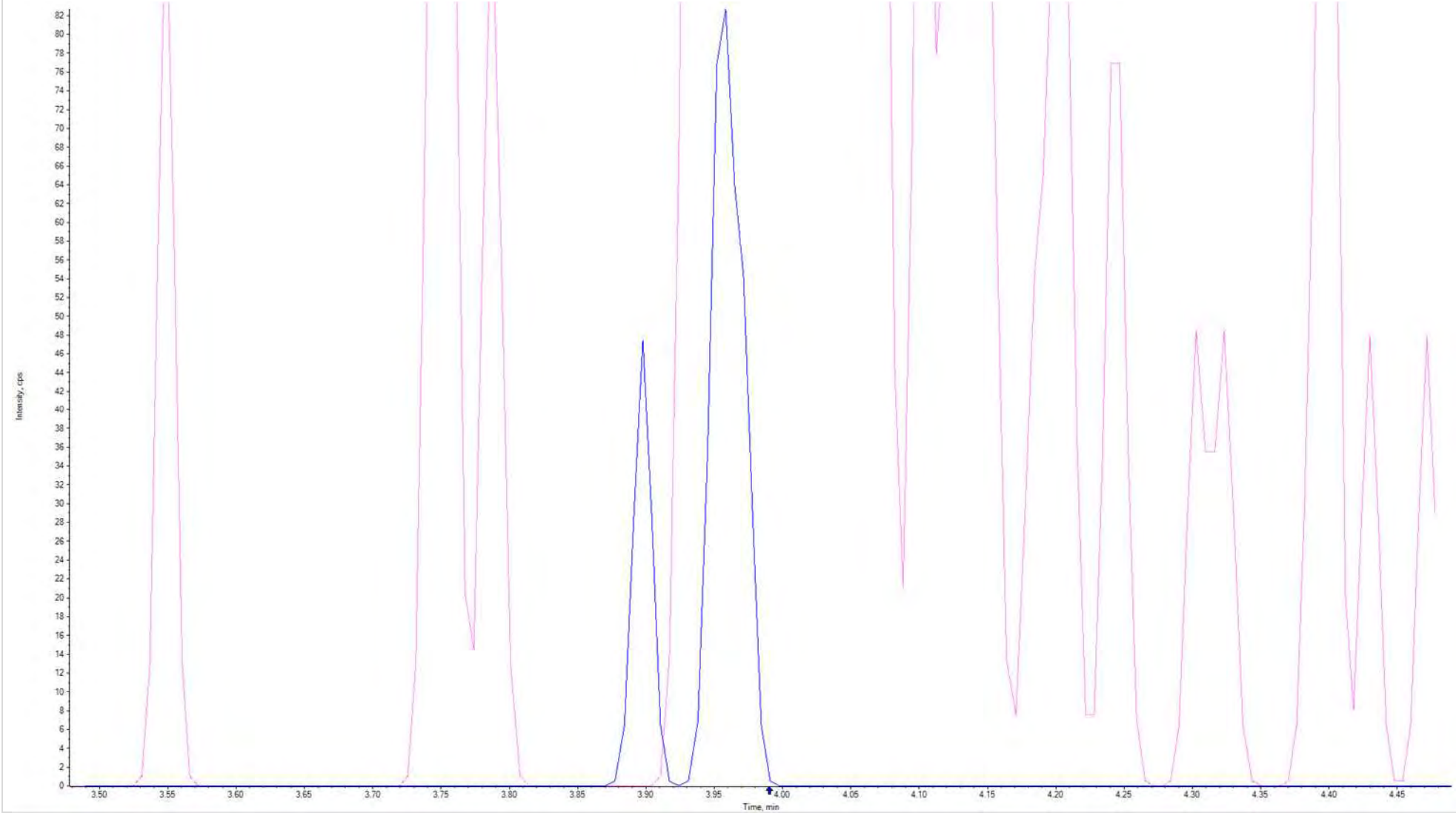

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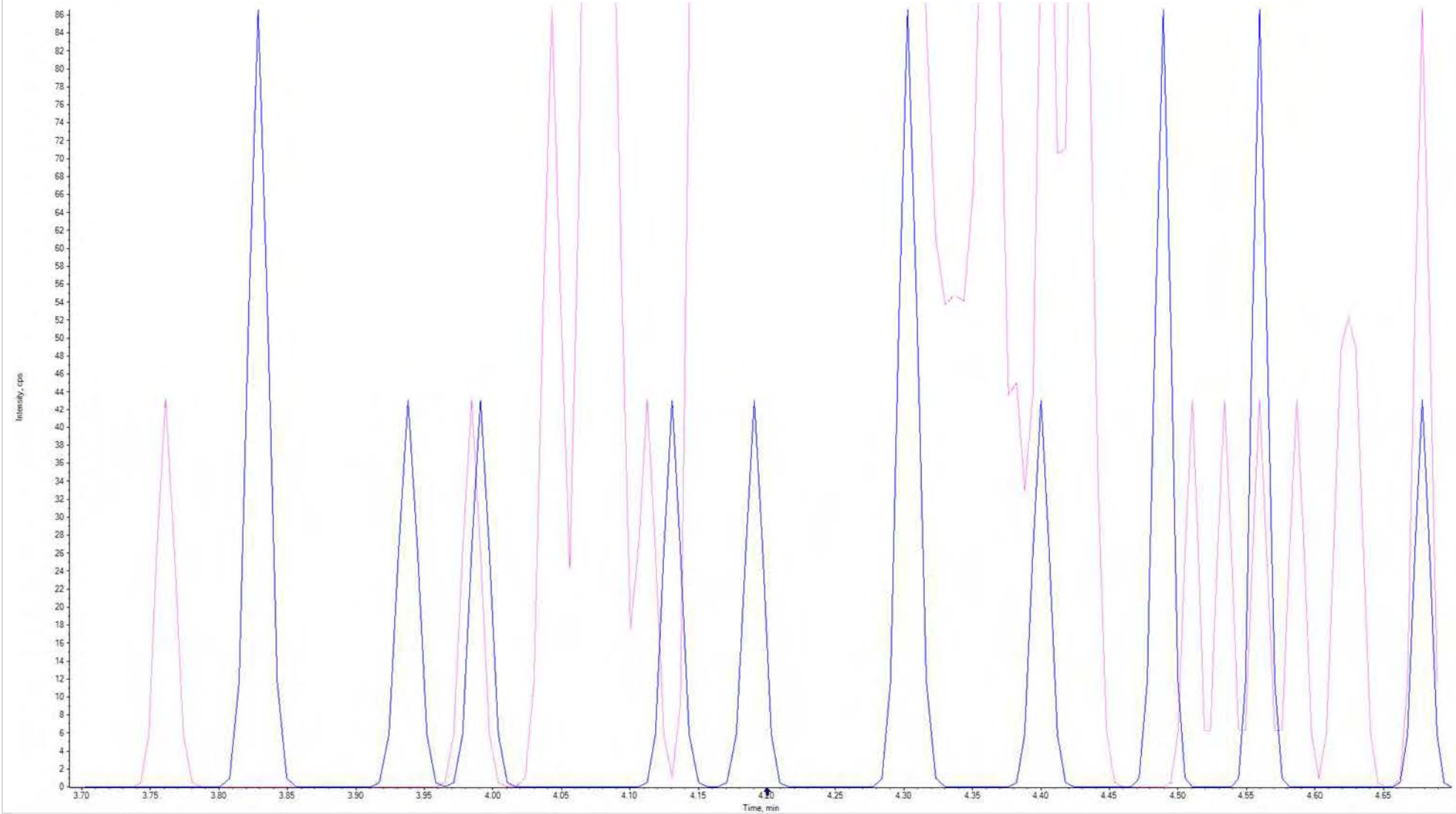
NEtFOSAA
Sample: L2512368-04 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/11/2025 2:07:22 PM
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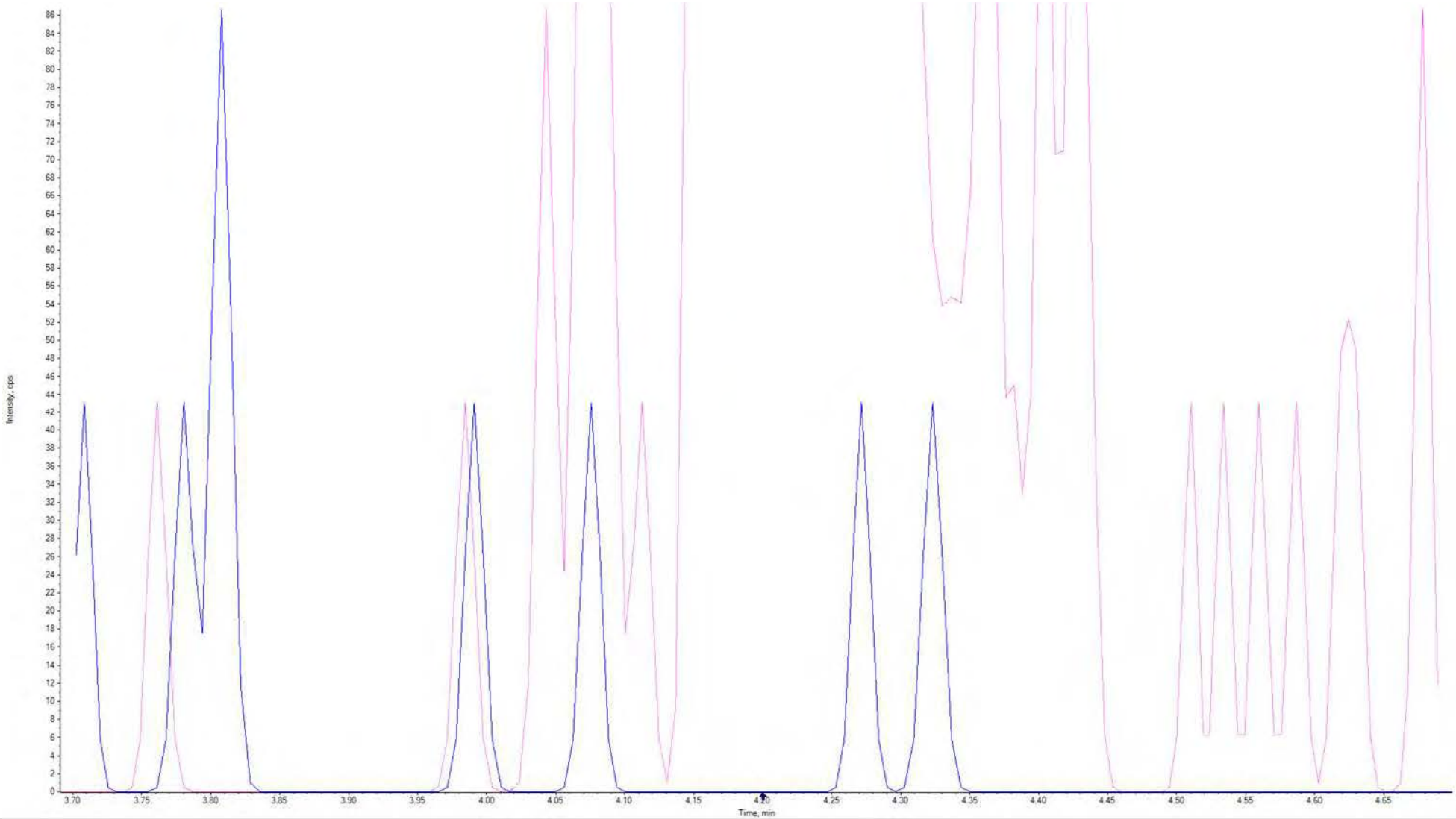
NEtFOSAA_2
Sample: L2512368-04 S/N:N/A Points Across peak:N/A



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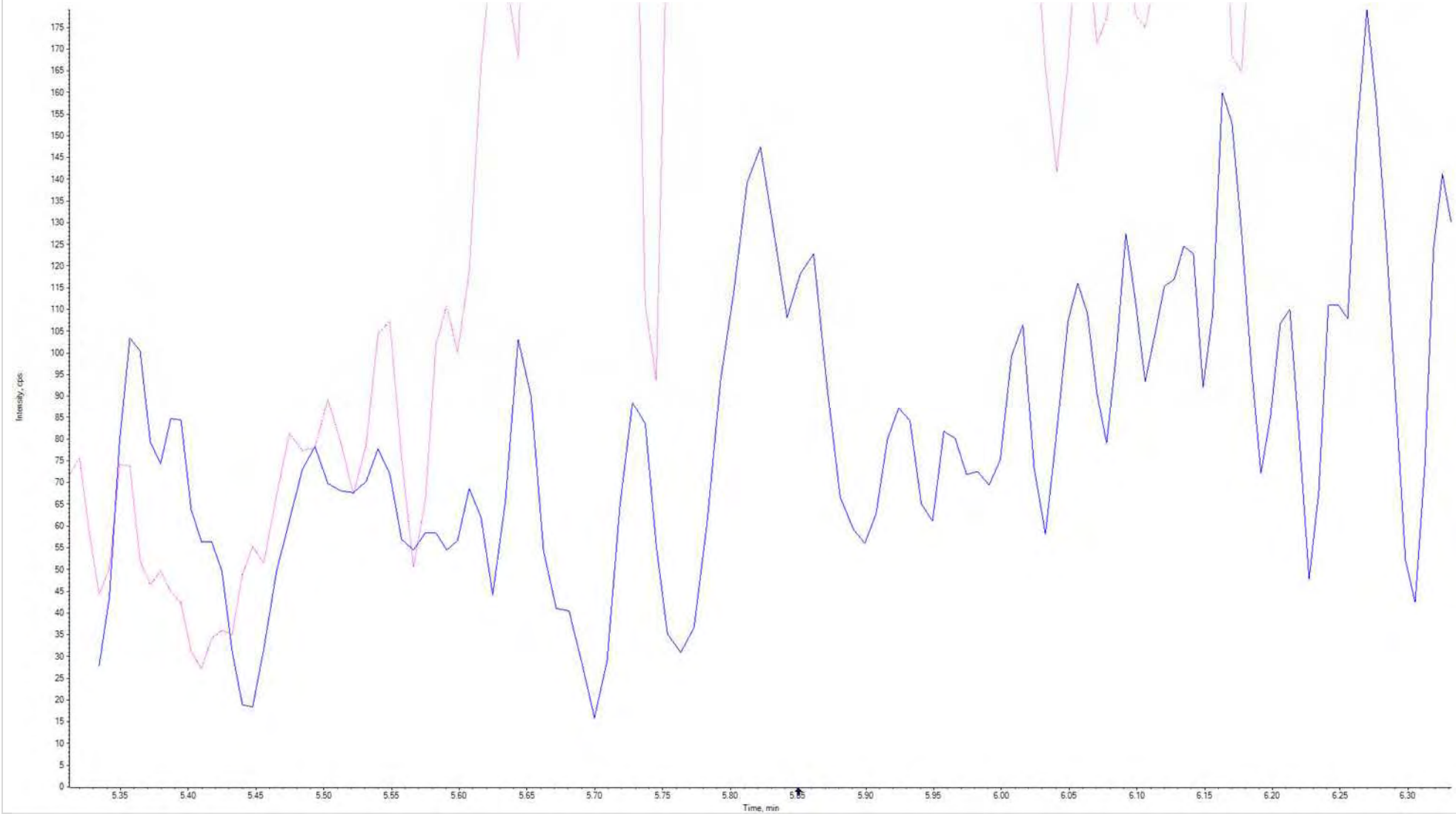
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

NMeFOSE
Sample: L2512368-04 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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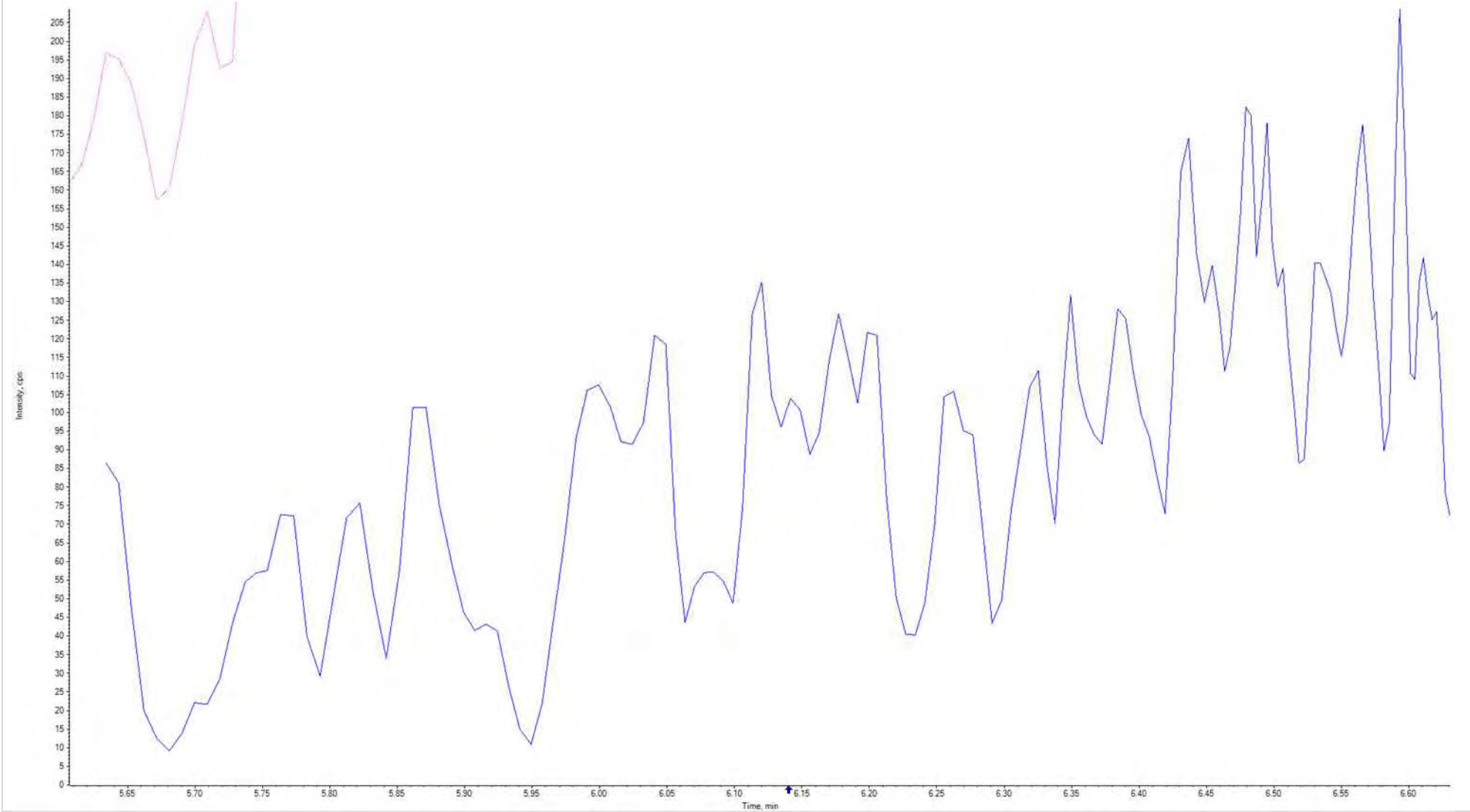
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

NEtFOSE
Sample: L2512368-04 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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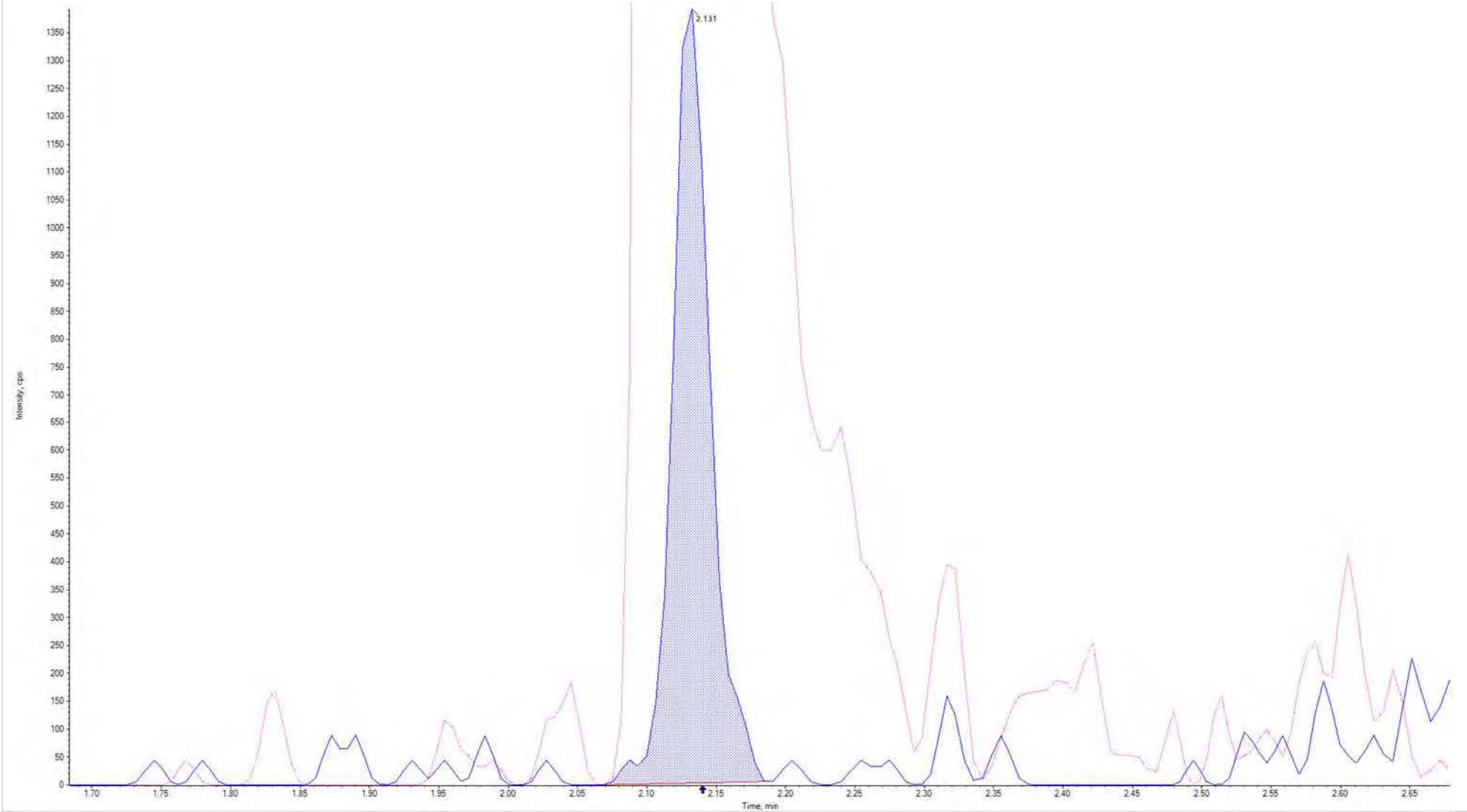
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

HFPO-DA
Sample: L2512368-04 S/N:31.3 Points Across peak:21



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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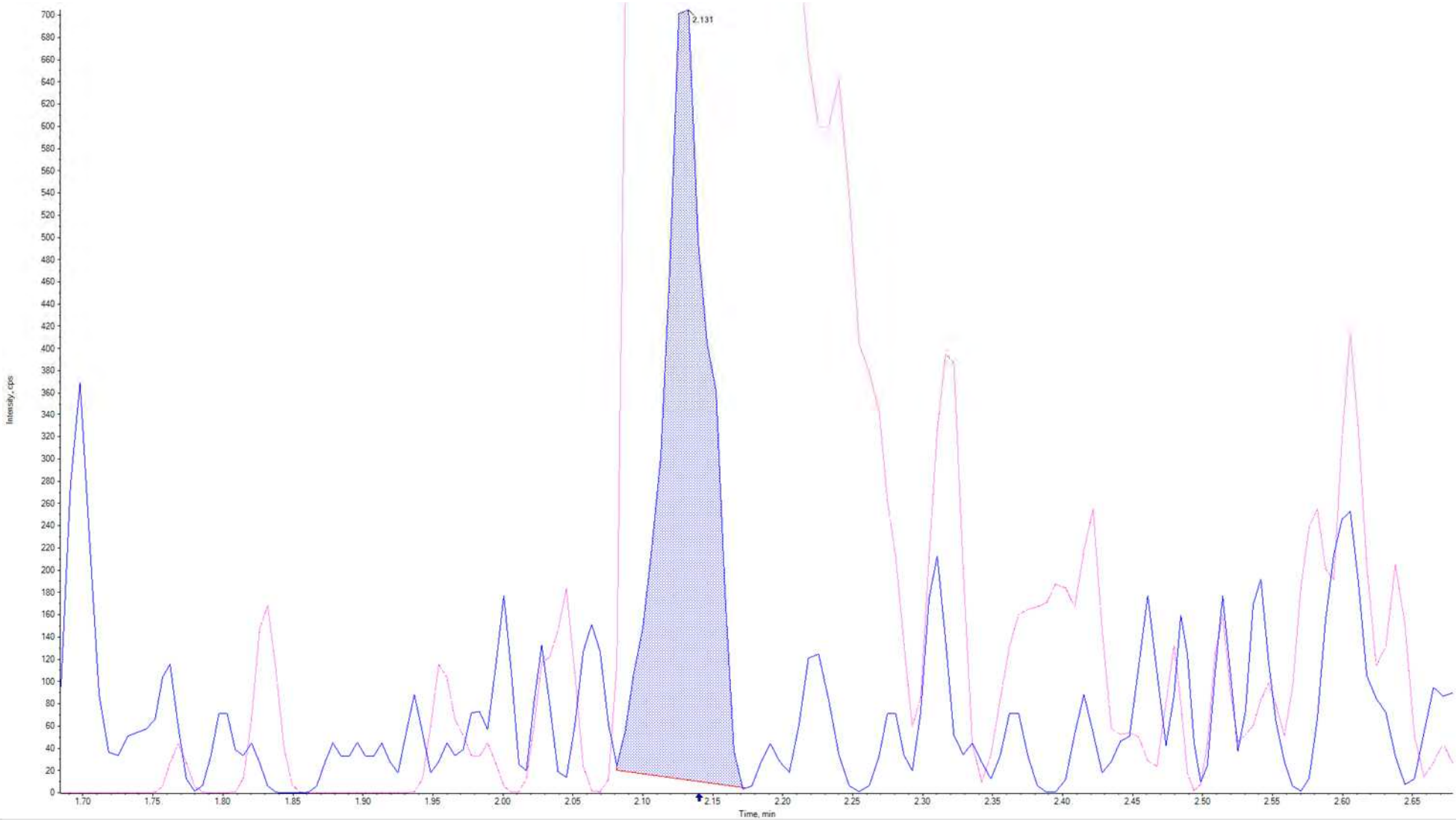
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

HFPO-DA_2
Sample: L2512368-04 S/N:15.6 Points Across peak:17



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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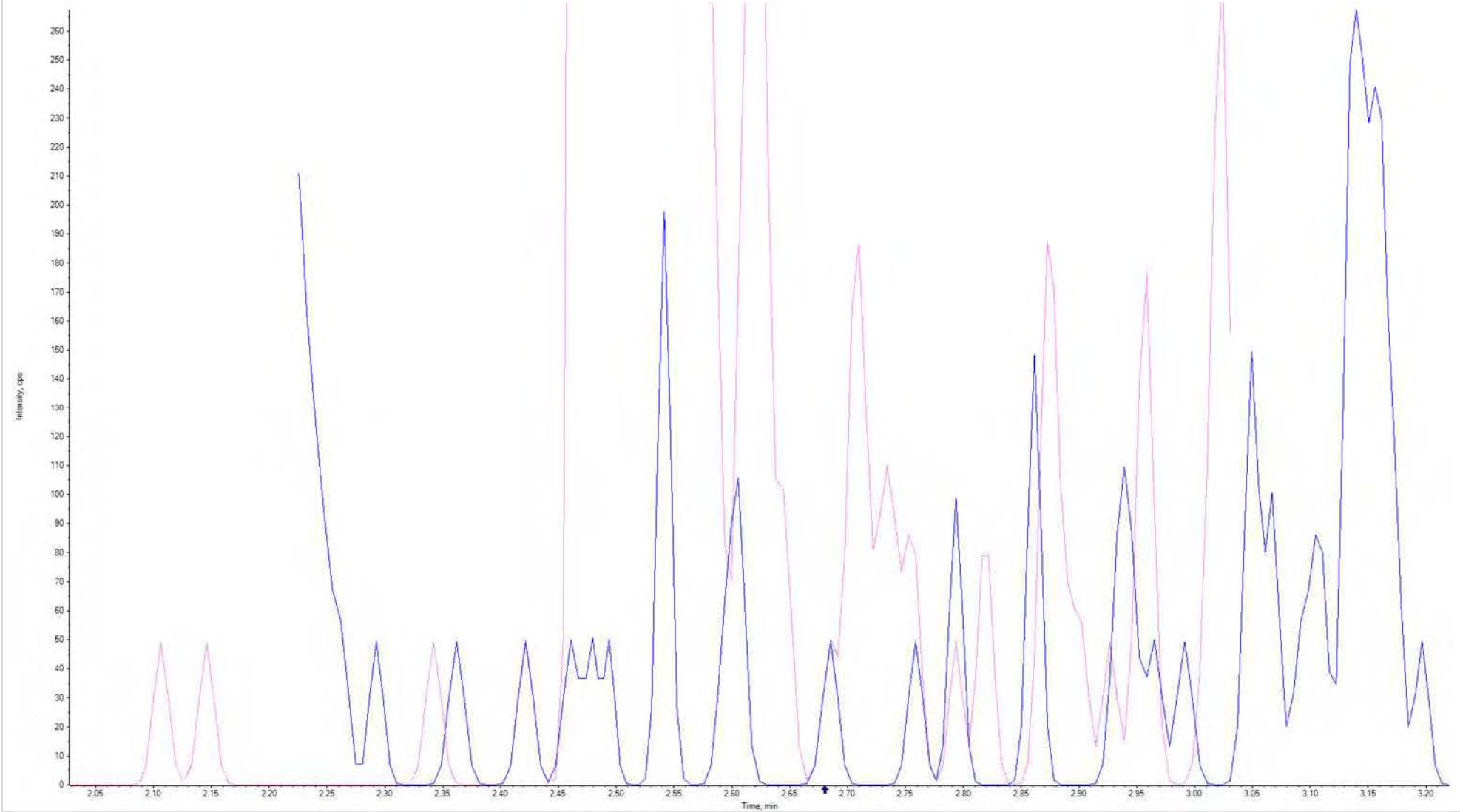
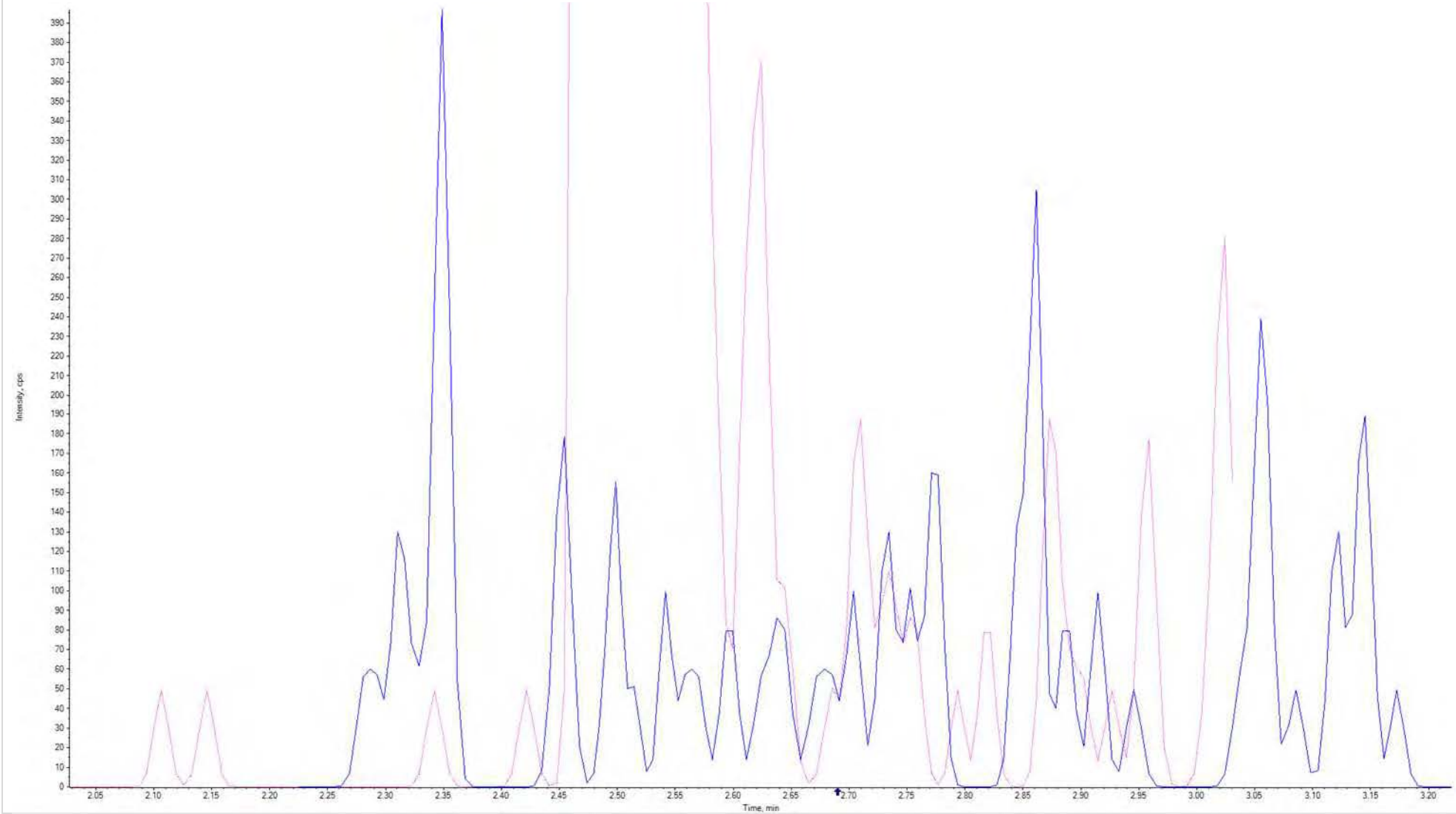
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

ADONA
Sample: L2512368-04 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\250311\SCI09_250311_30.wiff2_3
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

ADONA_2
Sample: L2512368-04 S/N:N/A Points Across peak:N/A



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Alpha Analytical LLC
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9Cl-PF3ONS
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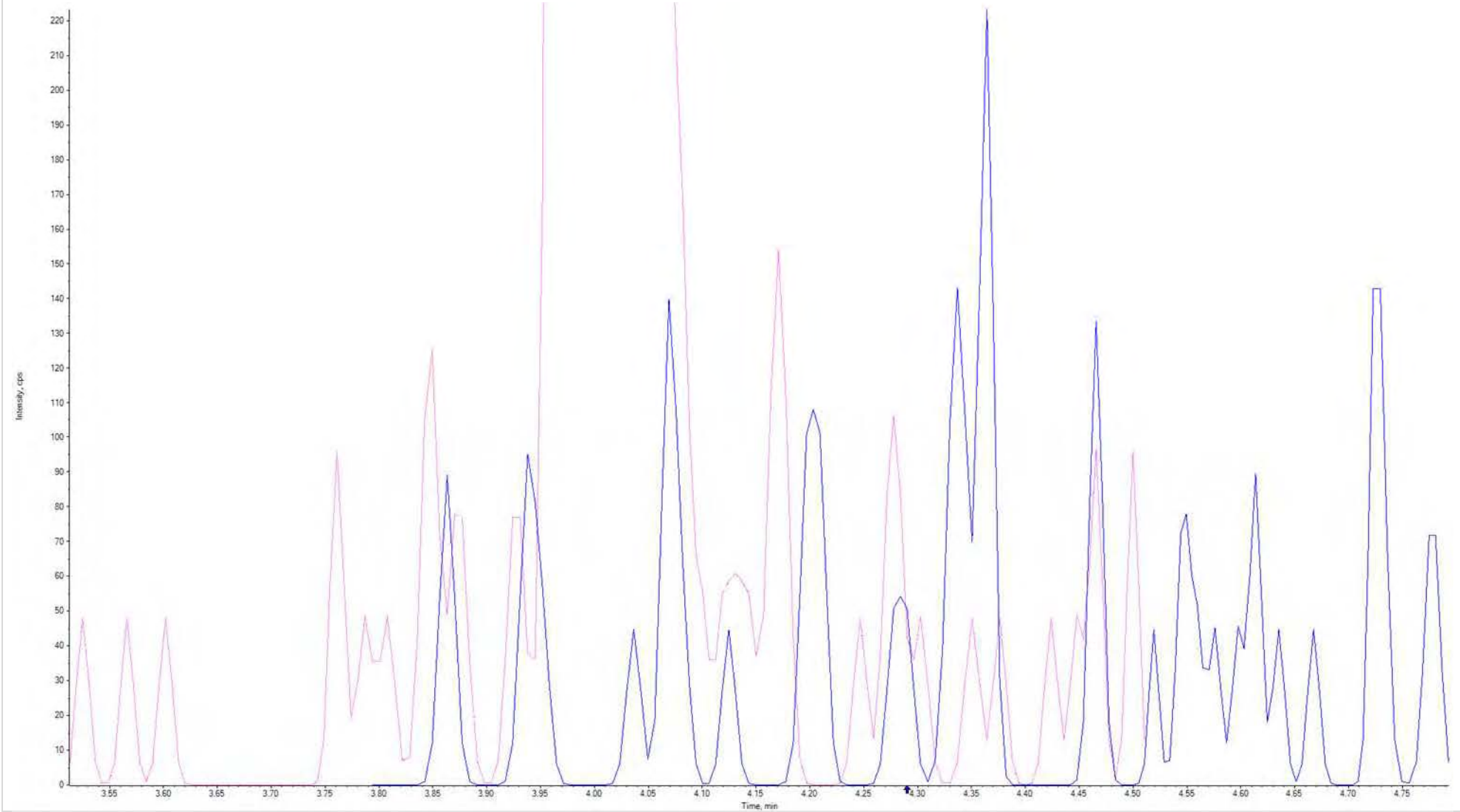

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9Cl-PF3ONS_2
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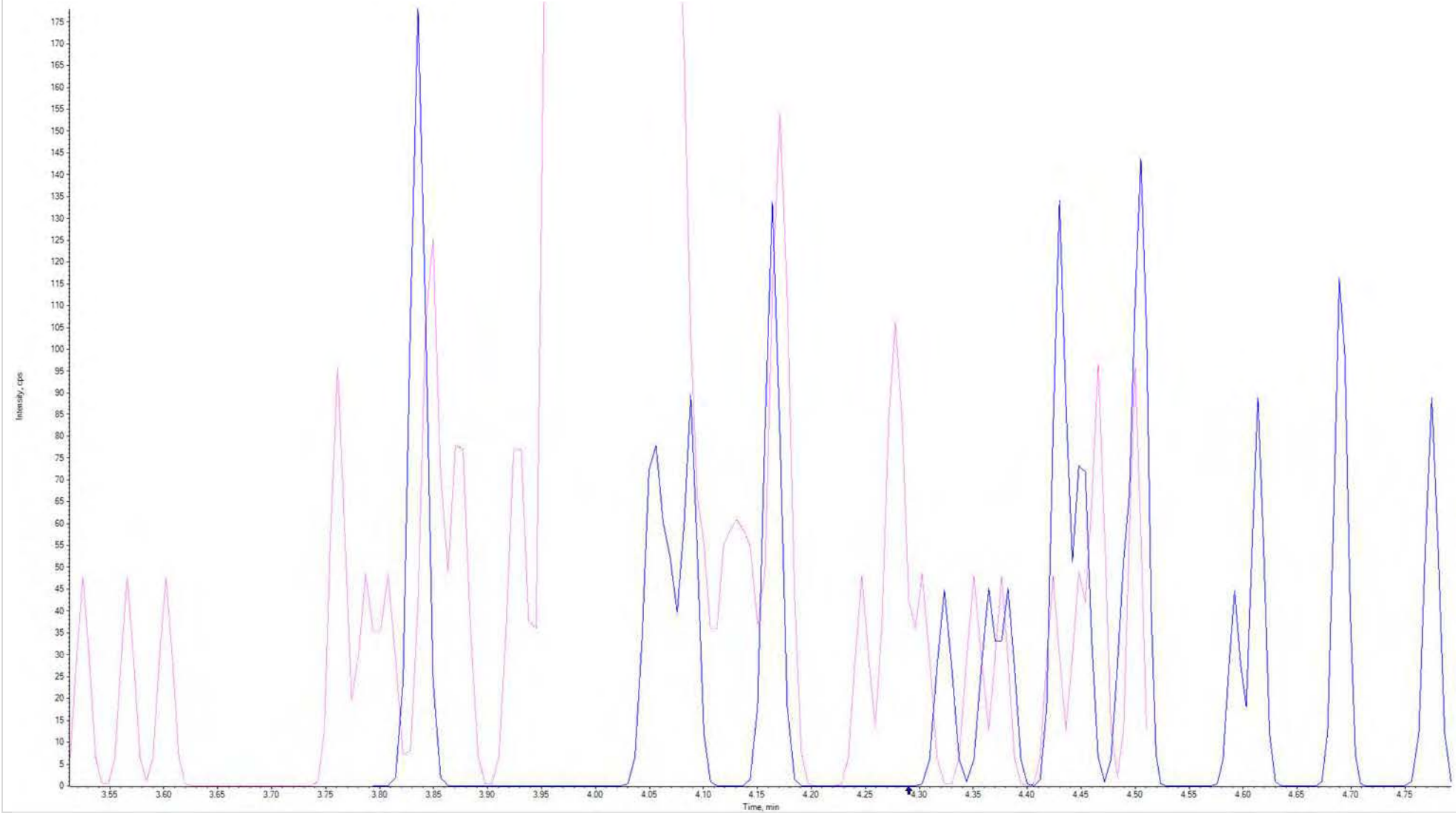

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11Cl-PF3OUdS
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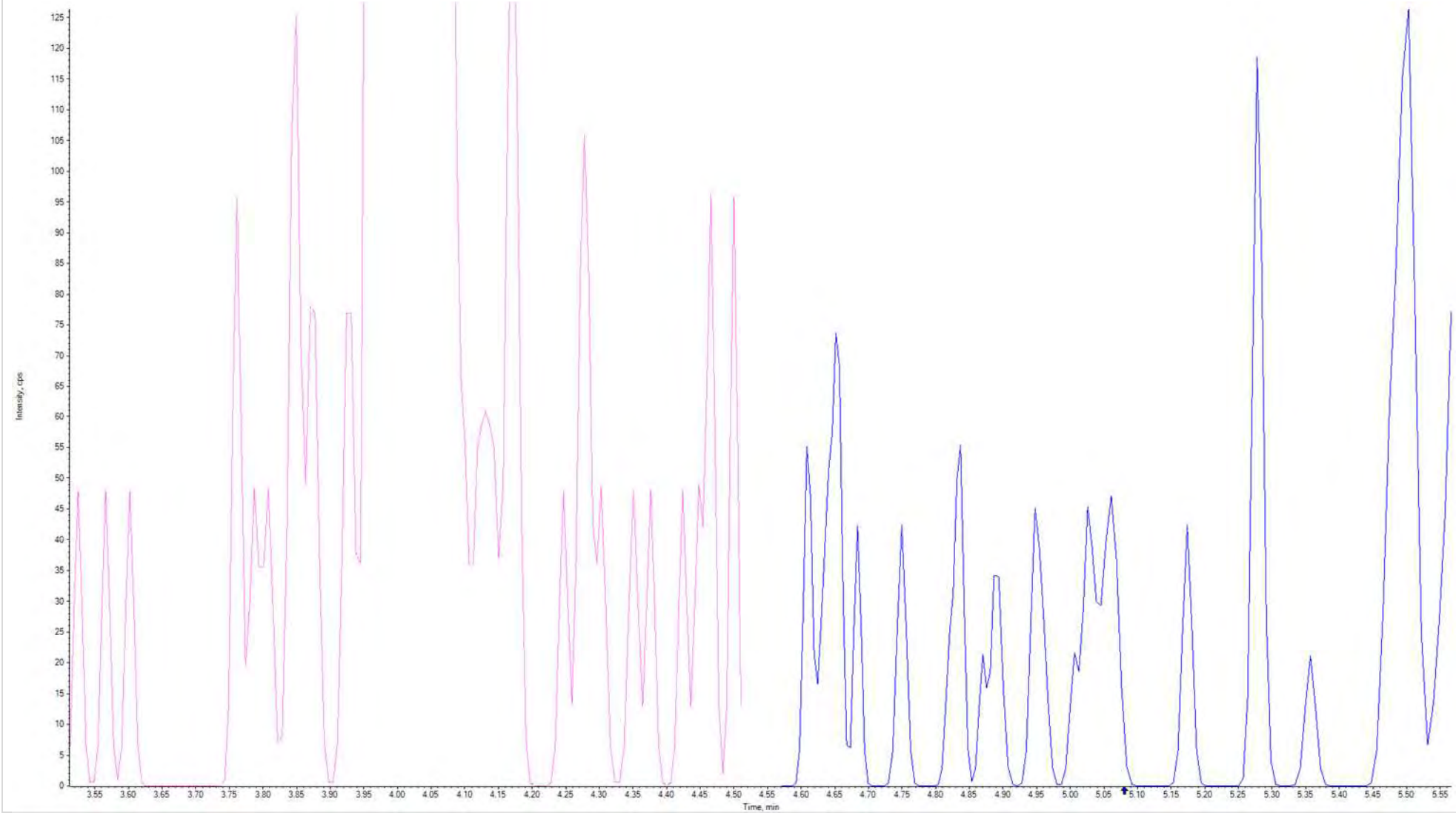

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11Cl-PF3OUdS_2
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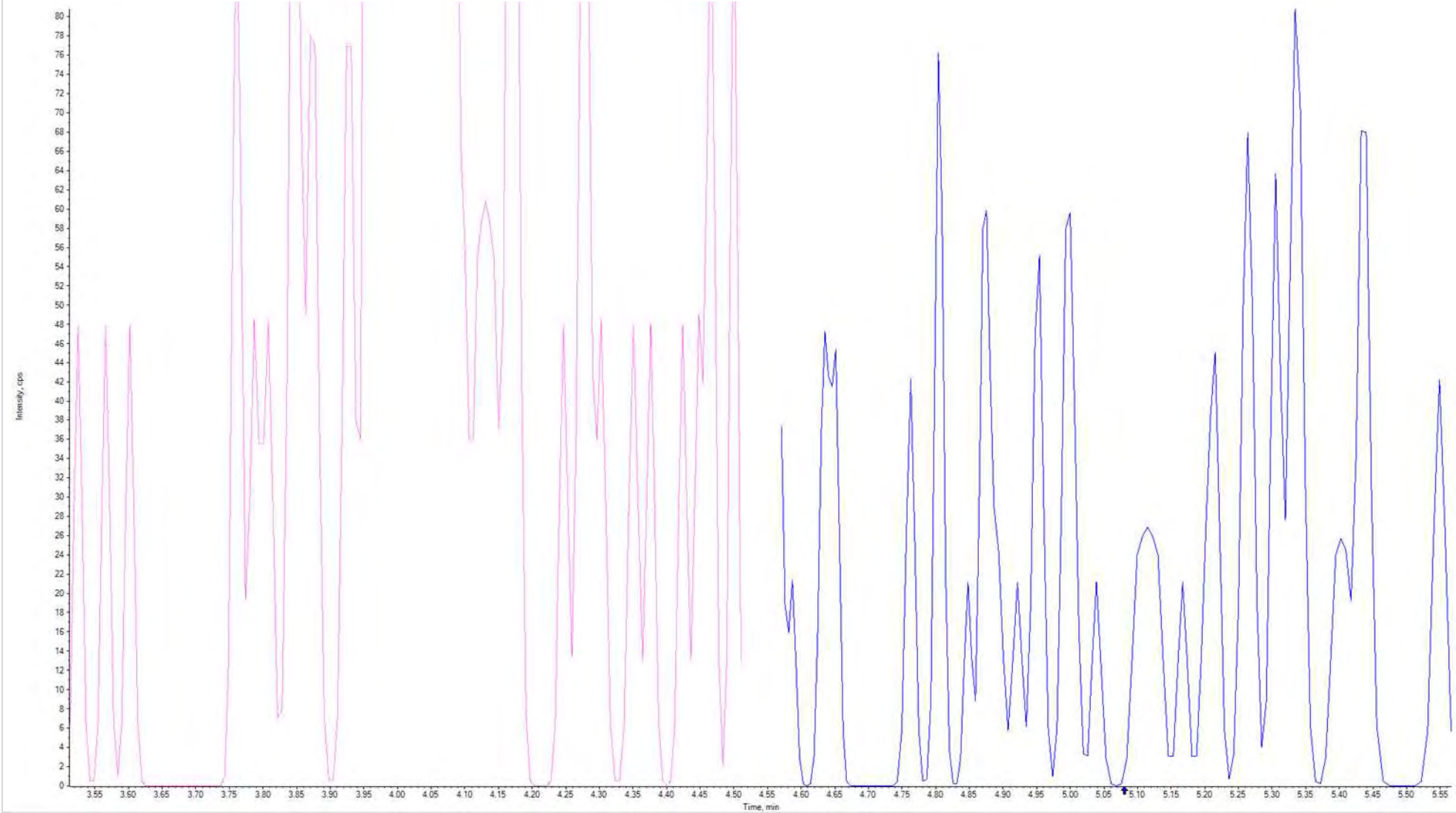

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3:3FTCA
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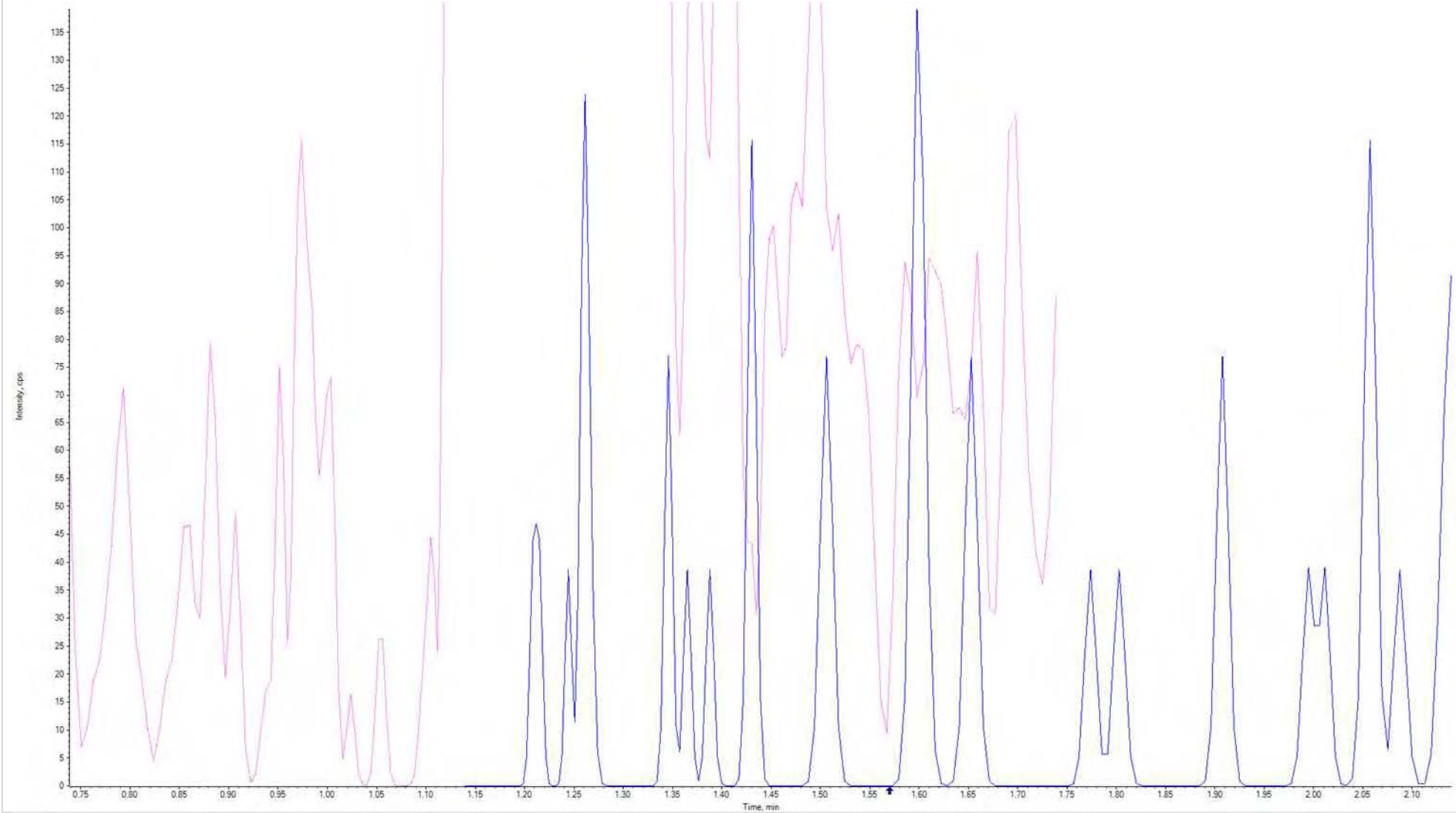

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Alpha Analytical LLC
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3:3FTCA_2
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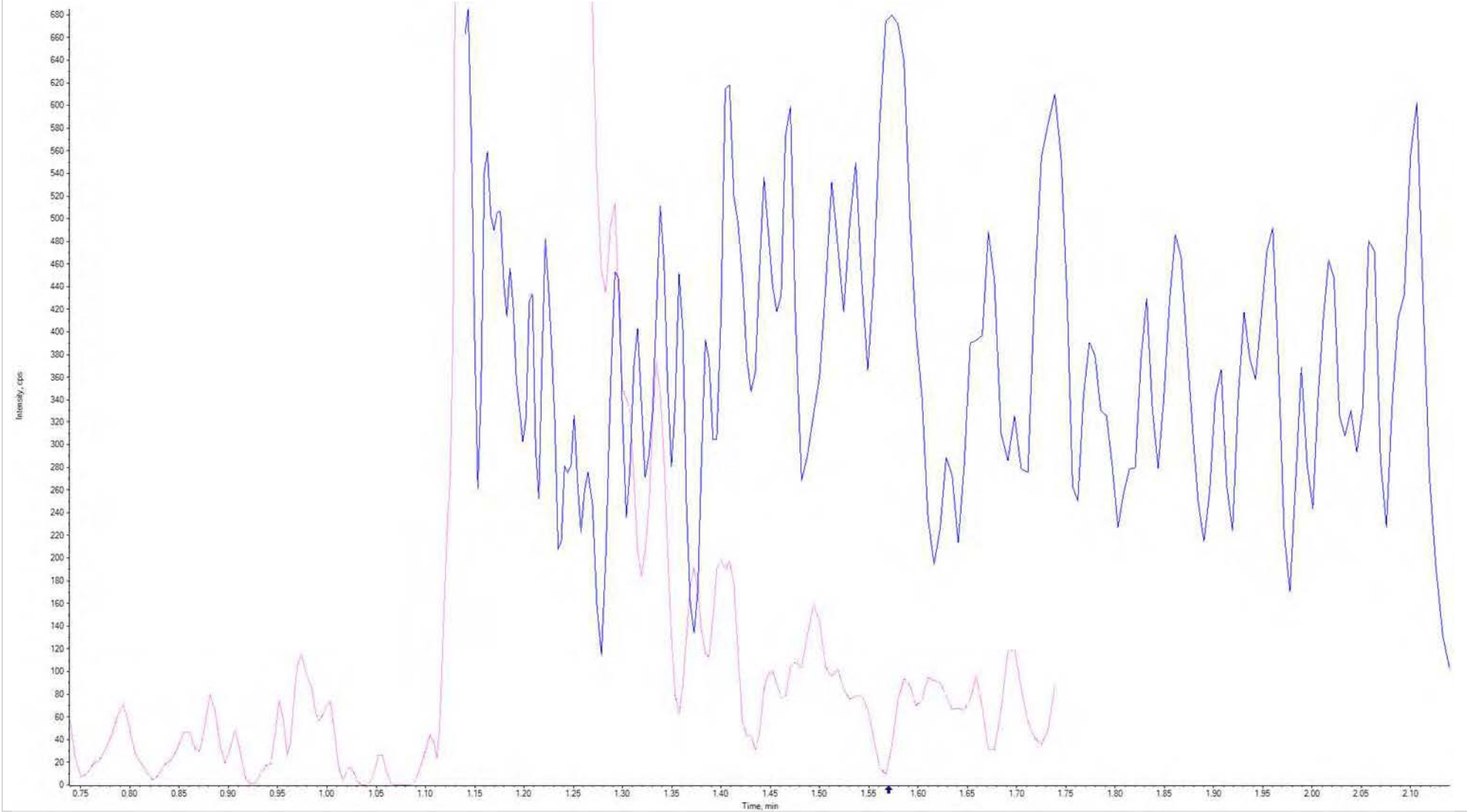

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5:3FTCA
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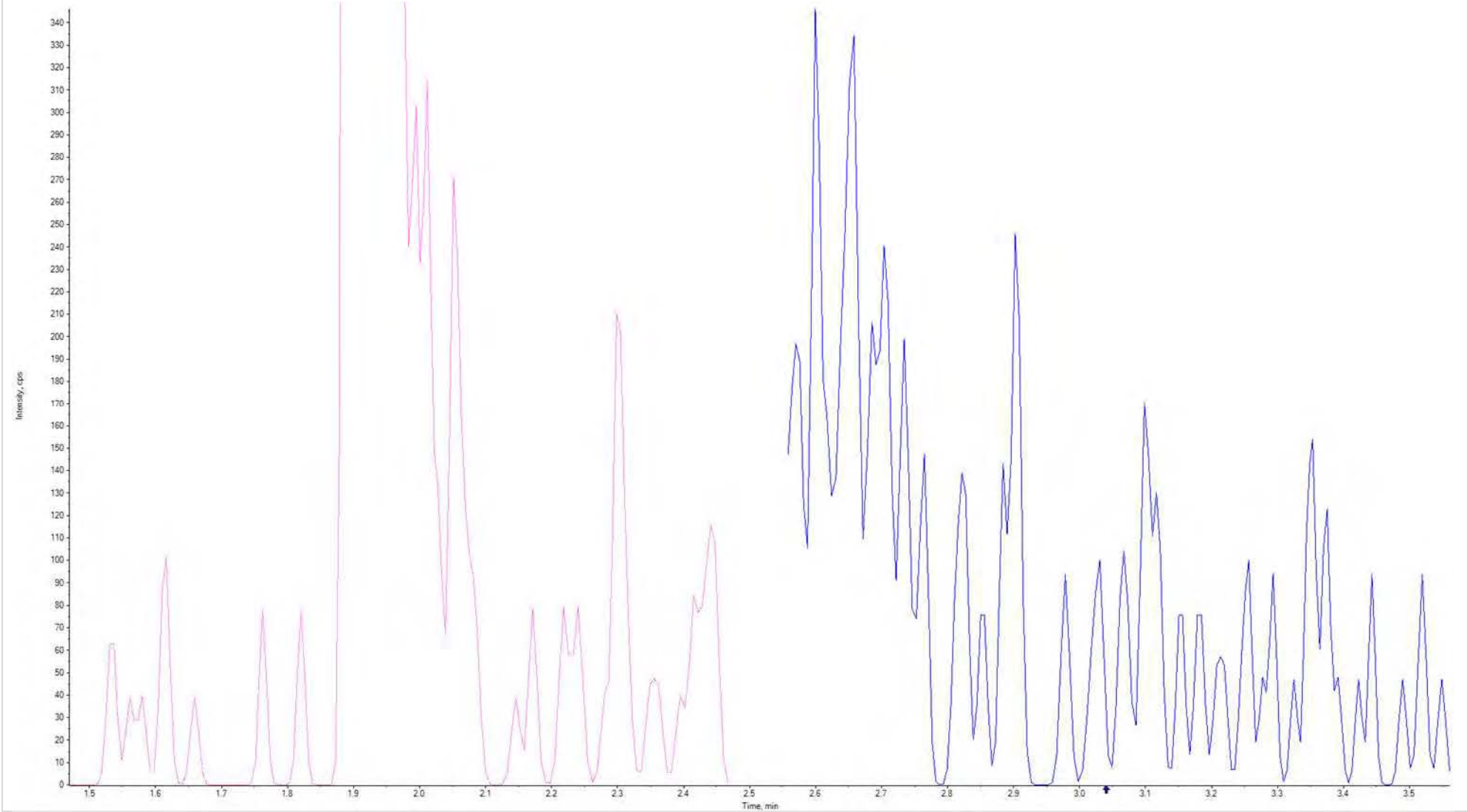

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5:3FTCA_2
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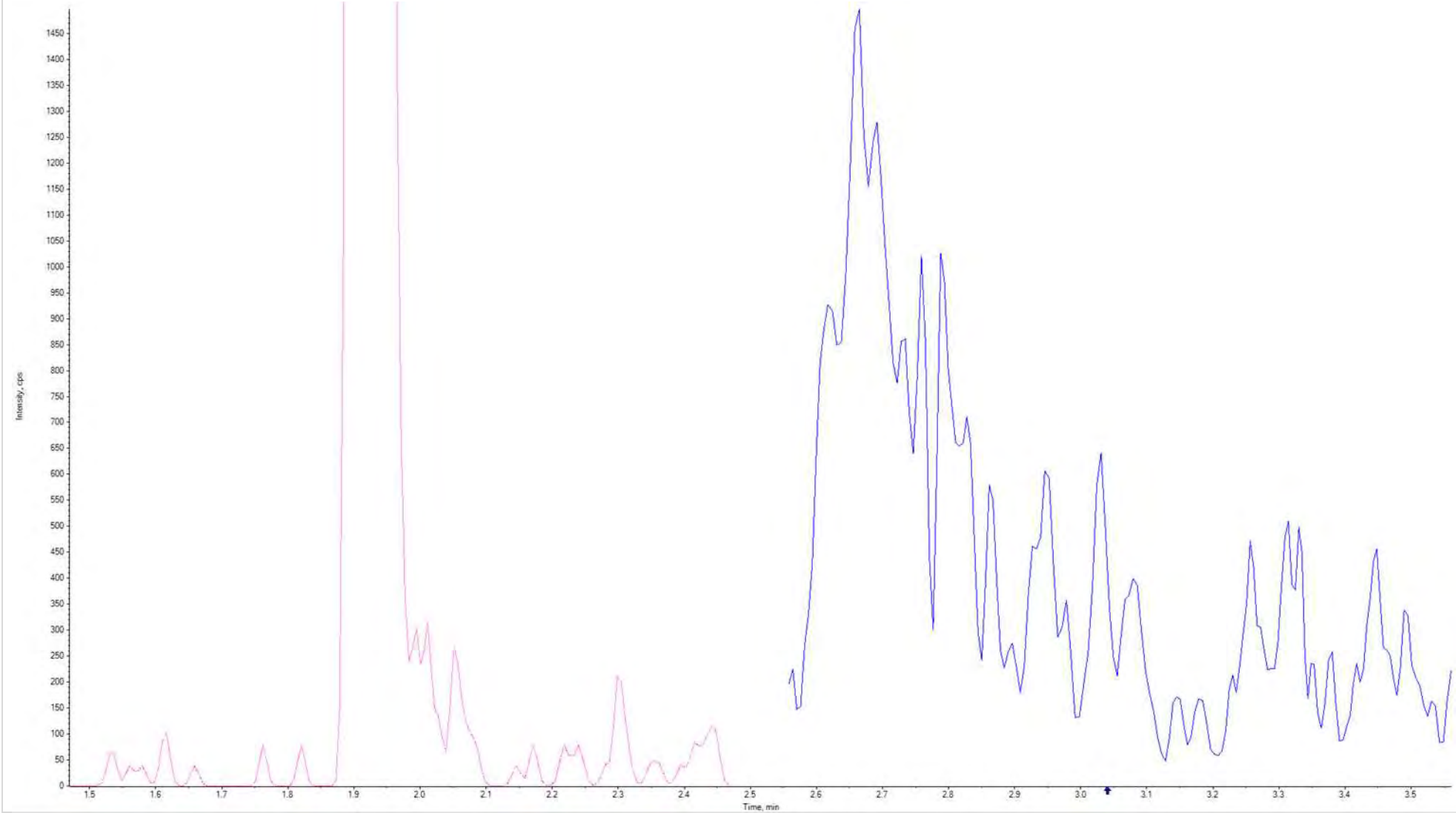

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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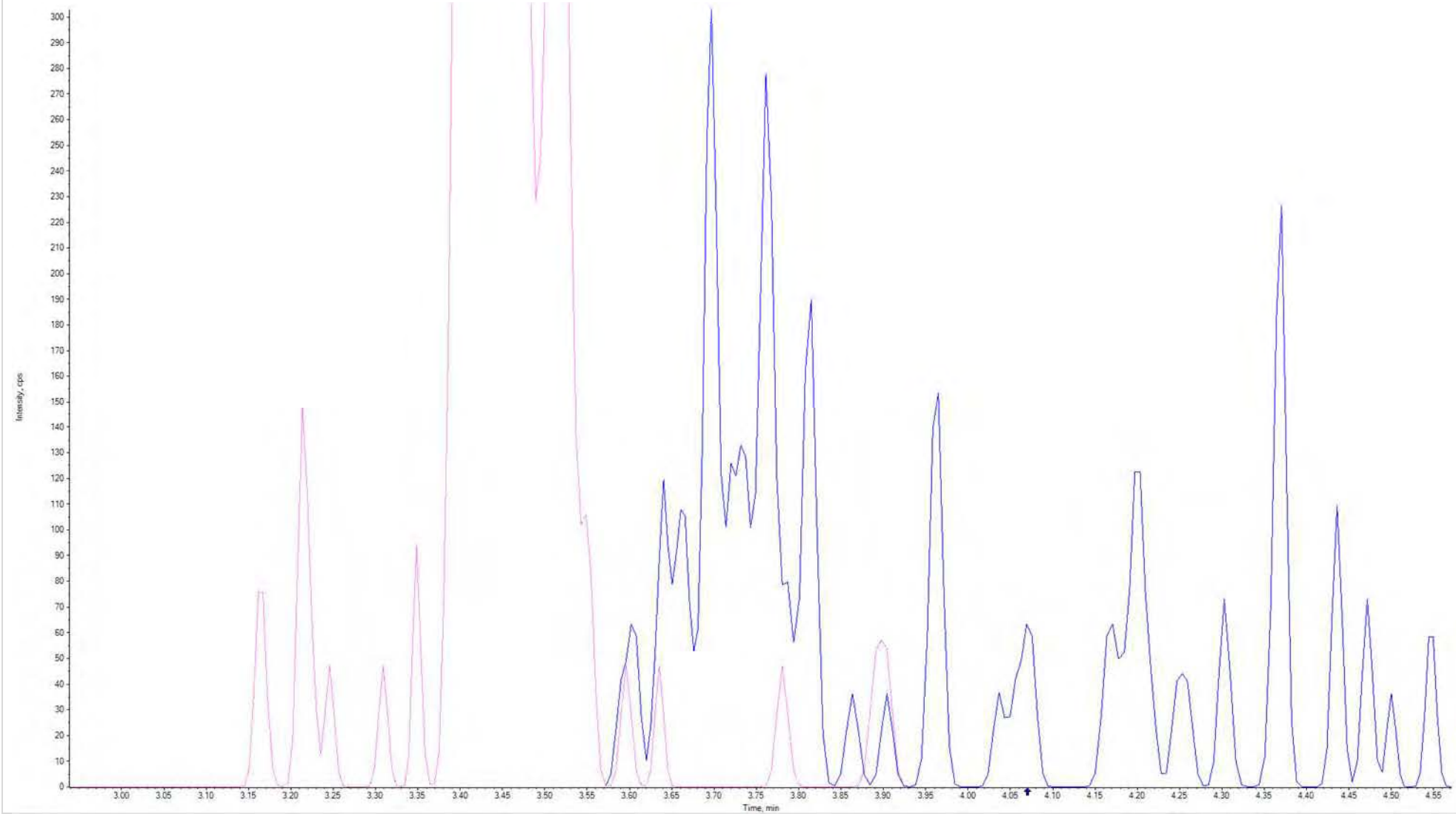
7:3FTCA
Sample: L2512368-04 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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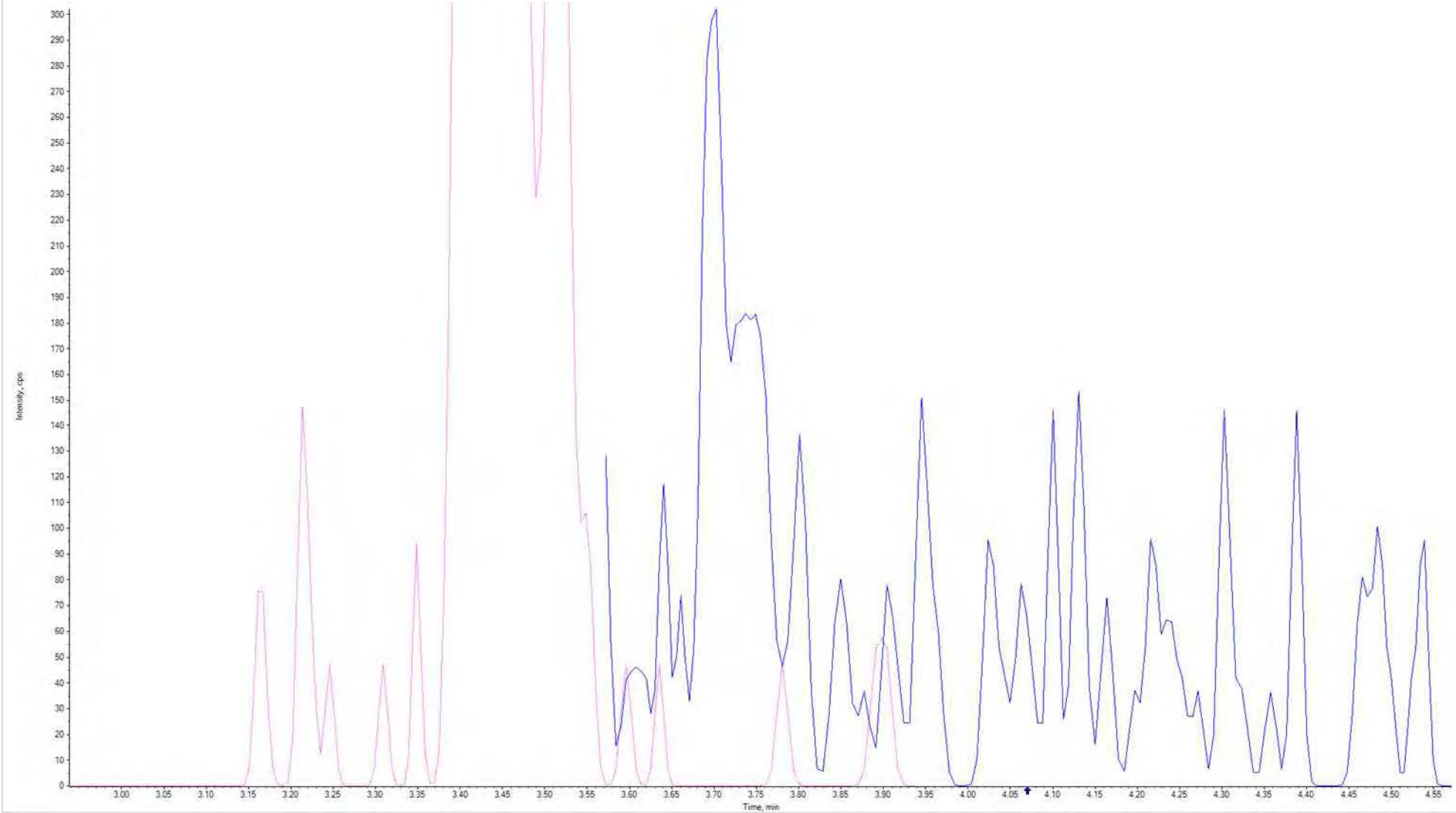

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PFEESA
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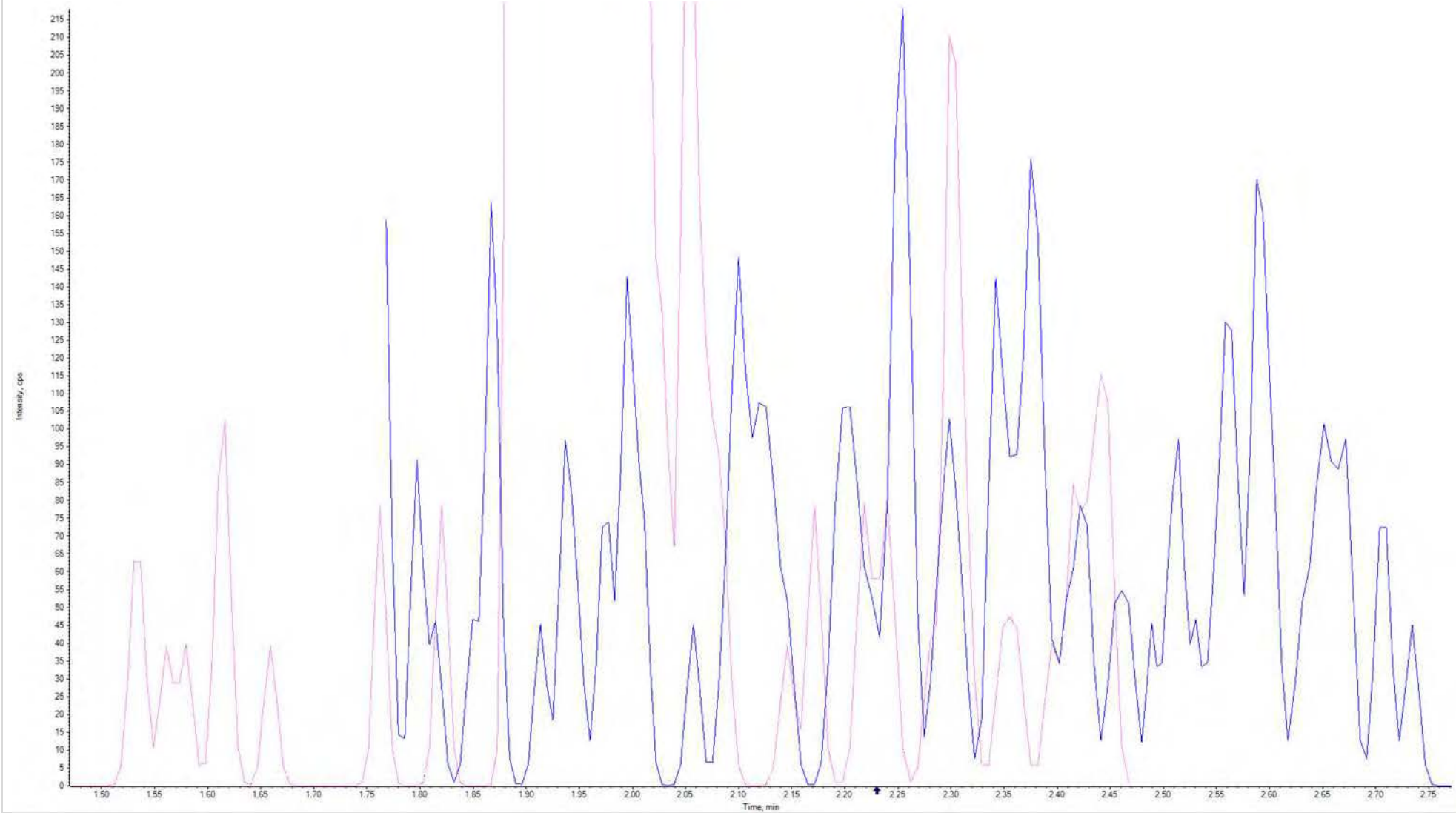

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PFEESA_2
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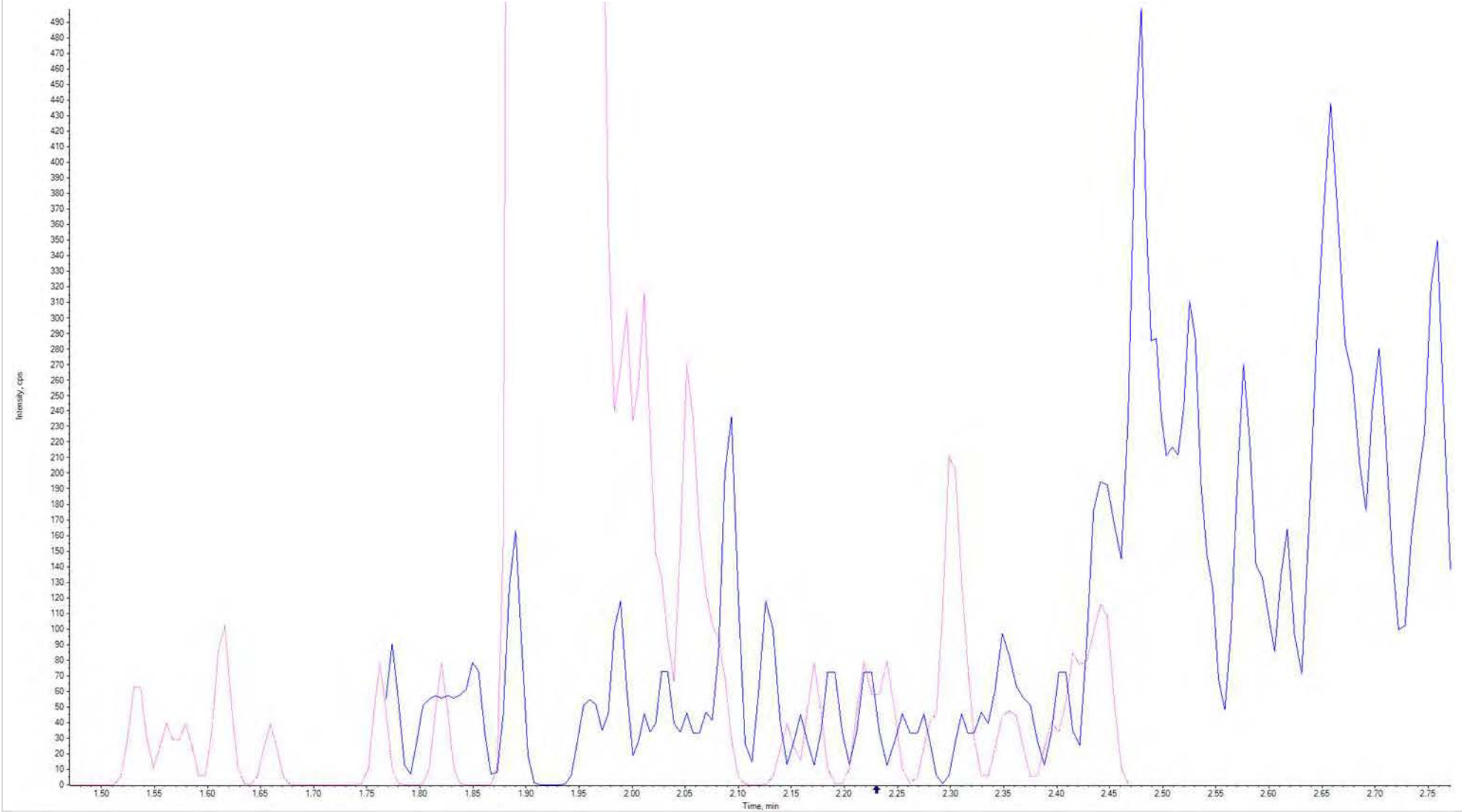

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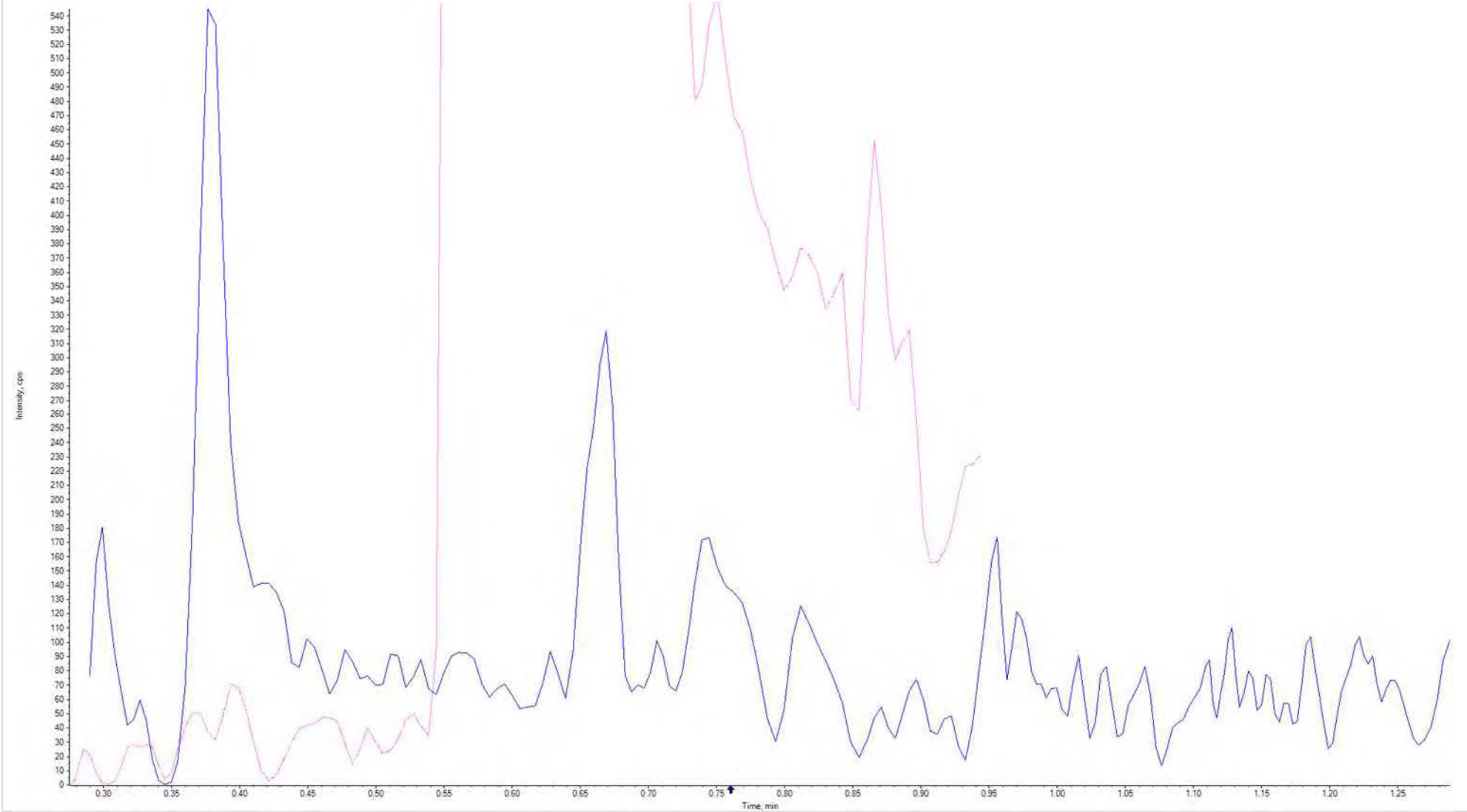

PFMBA
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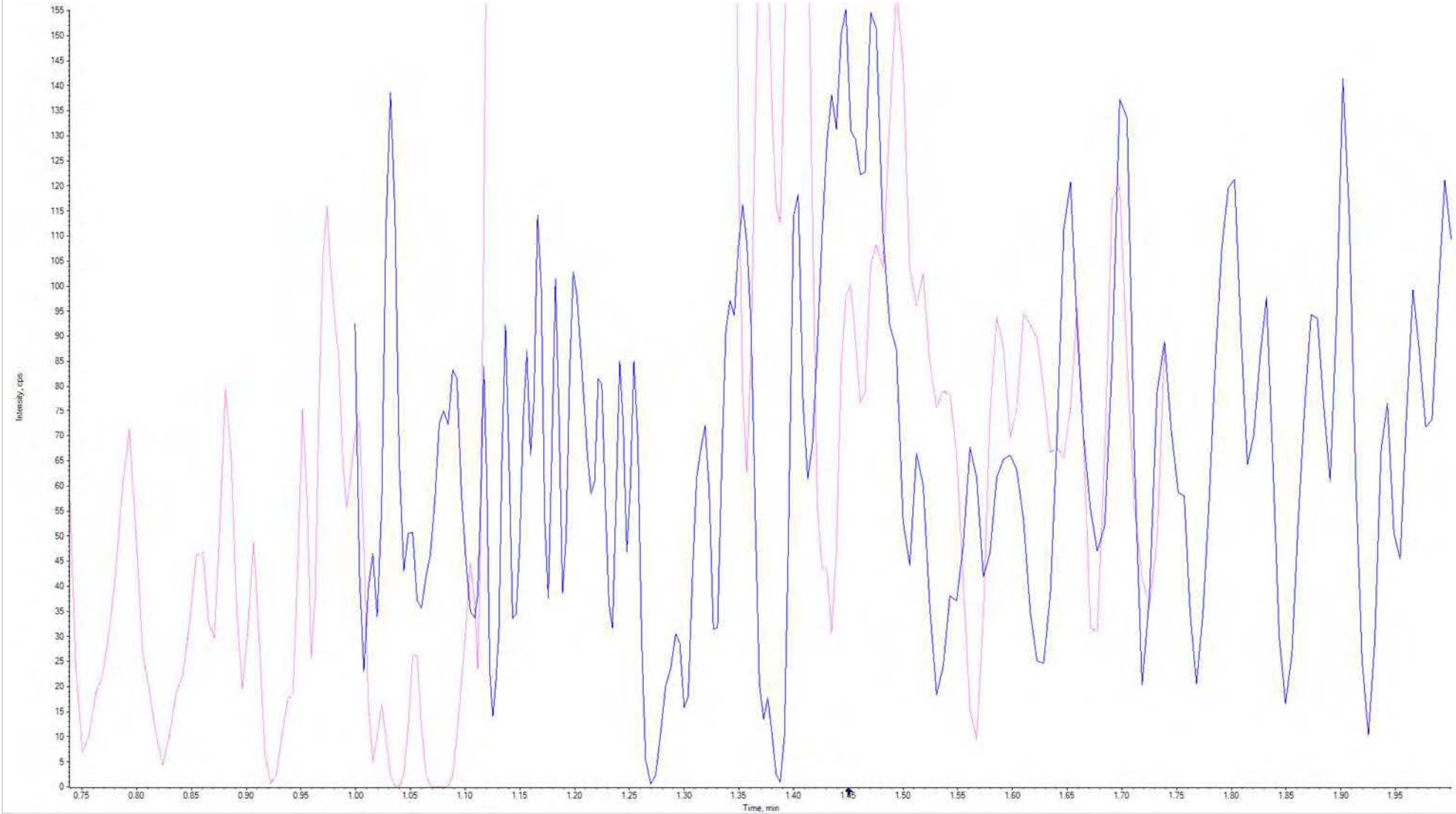

NFDHA
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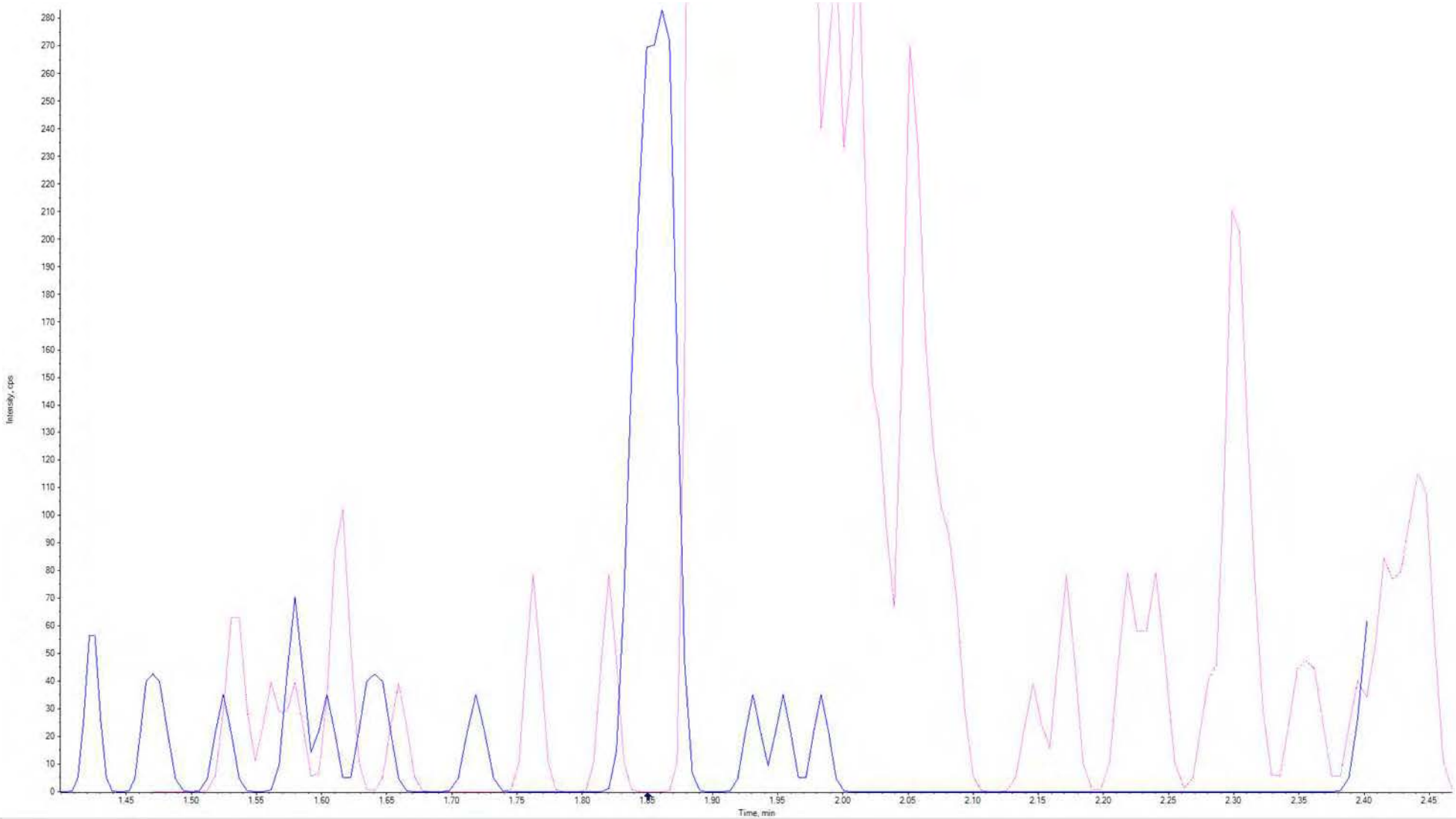

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NFDHA_2
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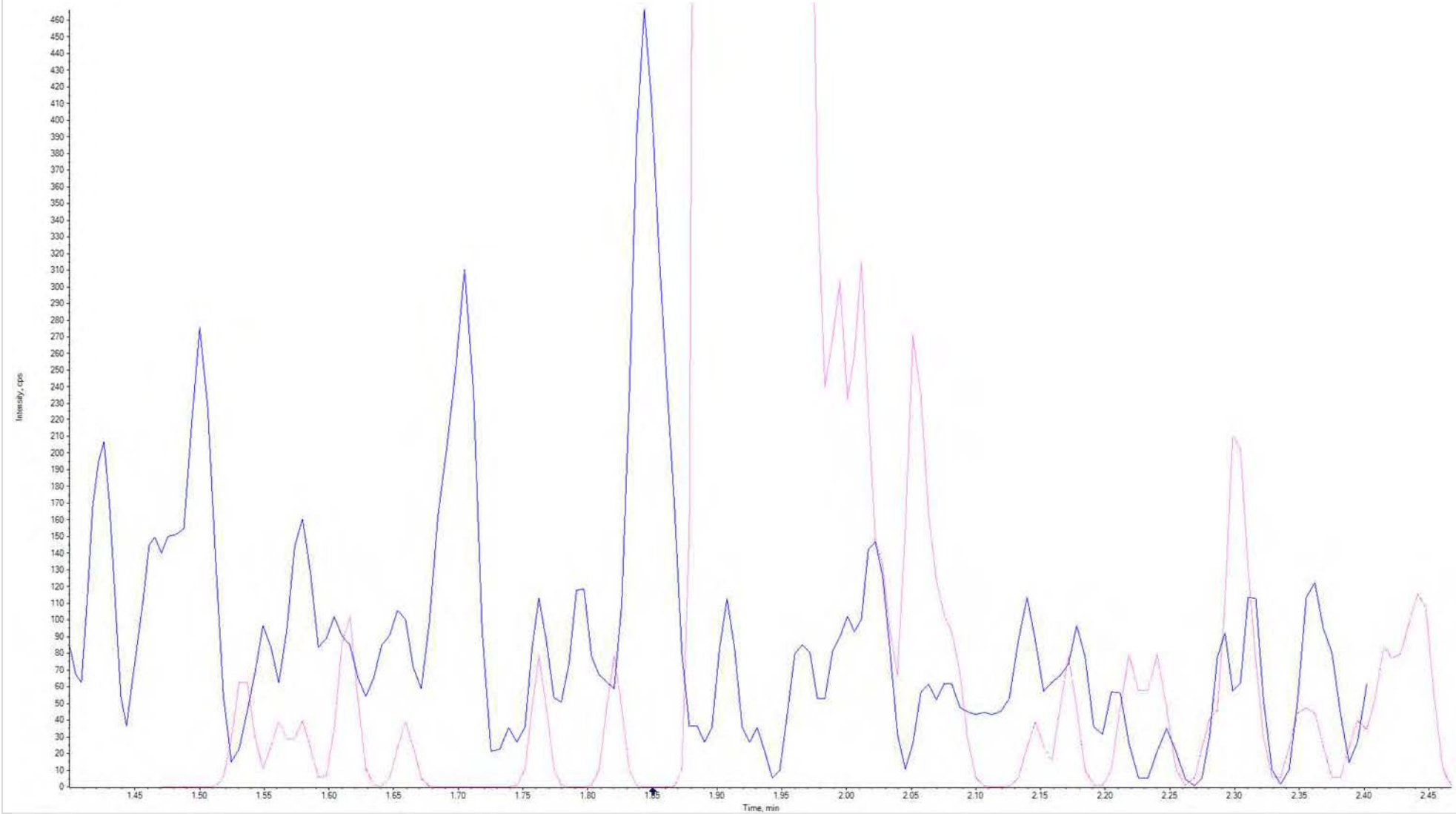

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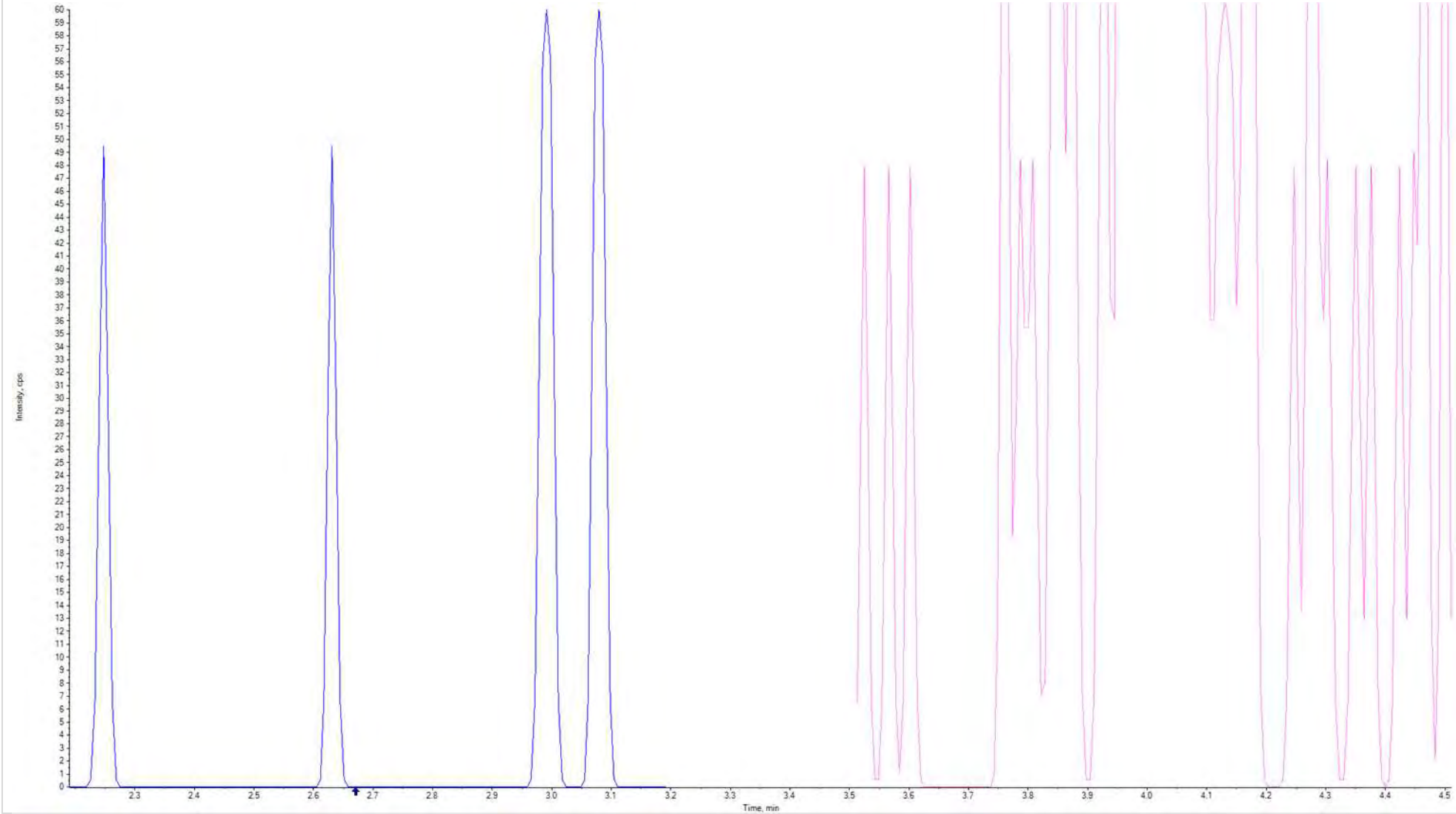
TDCA
Sample: L2512368-04 S/N:N/A Points Across peak:N/A



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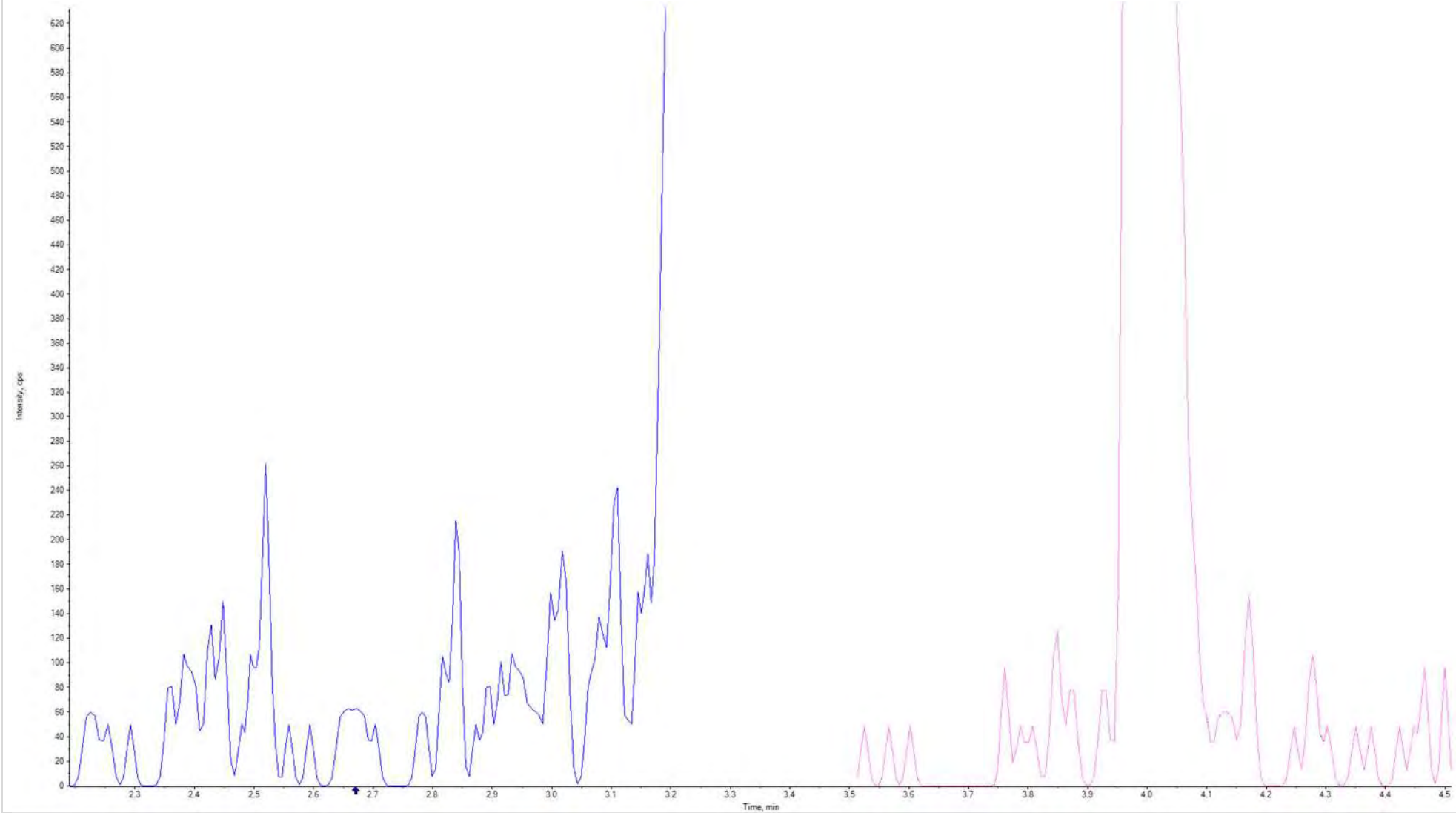
TDCA_2
Sample: L2512368-04 S/N:N/A Points Across peak:N/A



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Last Altered: 3/11/2025 2:07:22 PM
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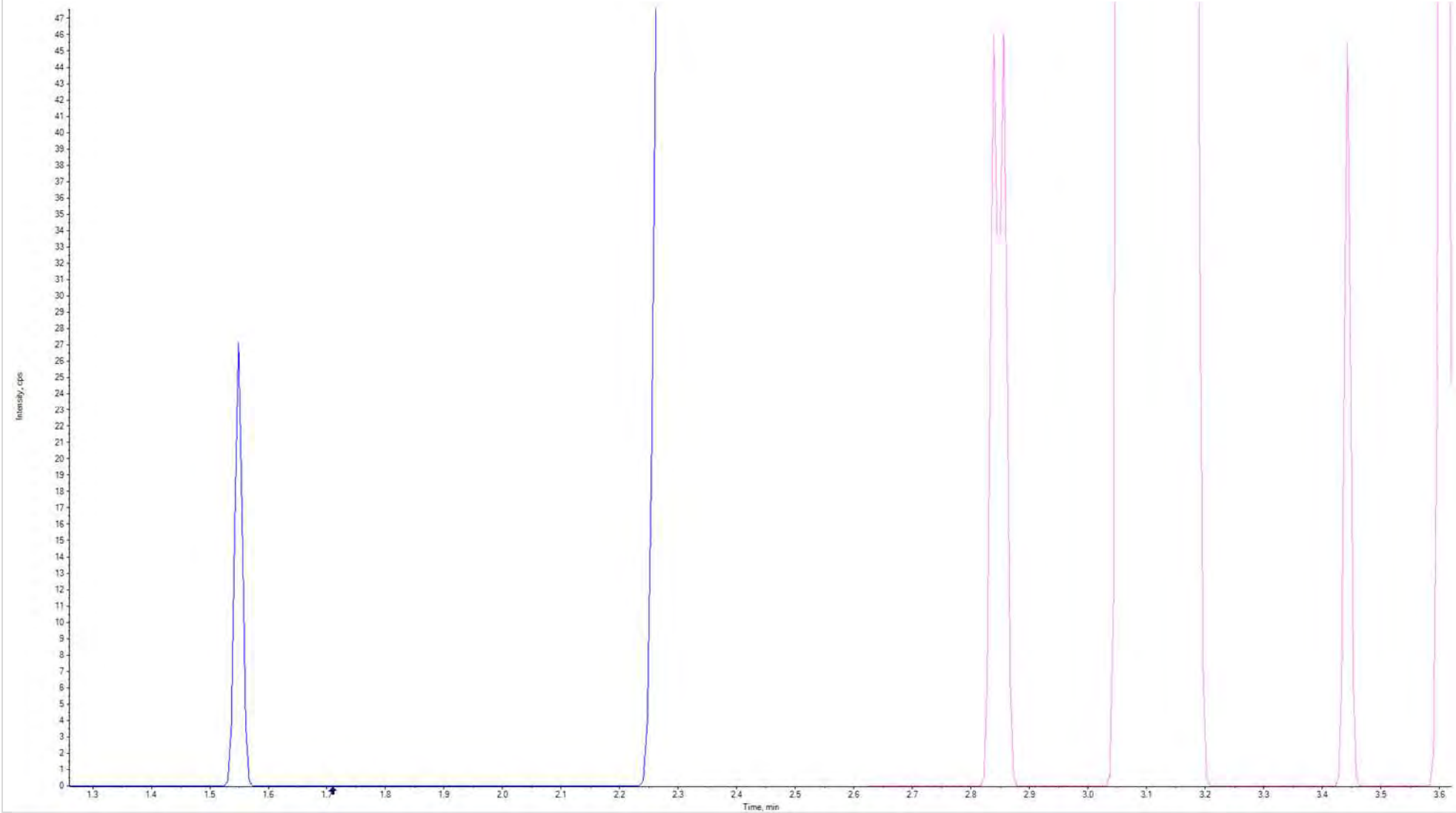
13C2D4-4:2FTS
Sample: L2512368-04 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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13C2-PFOA
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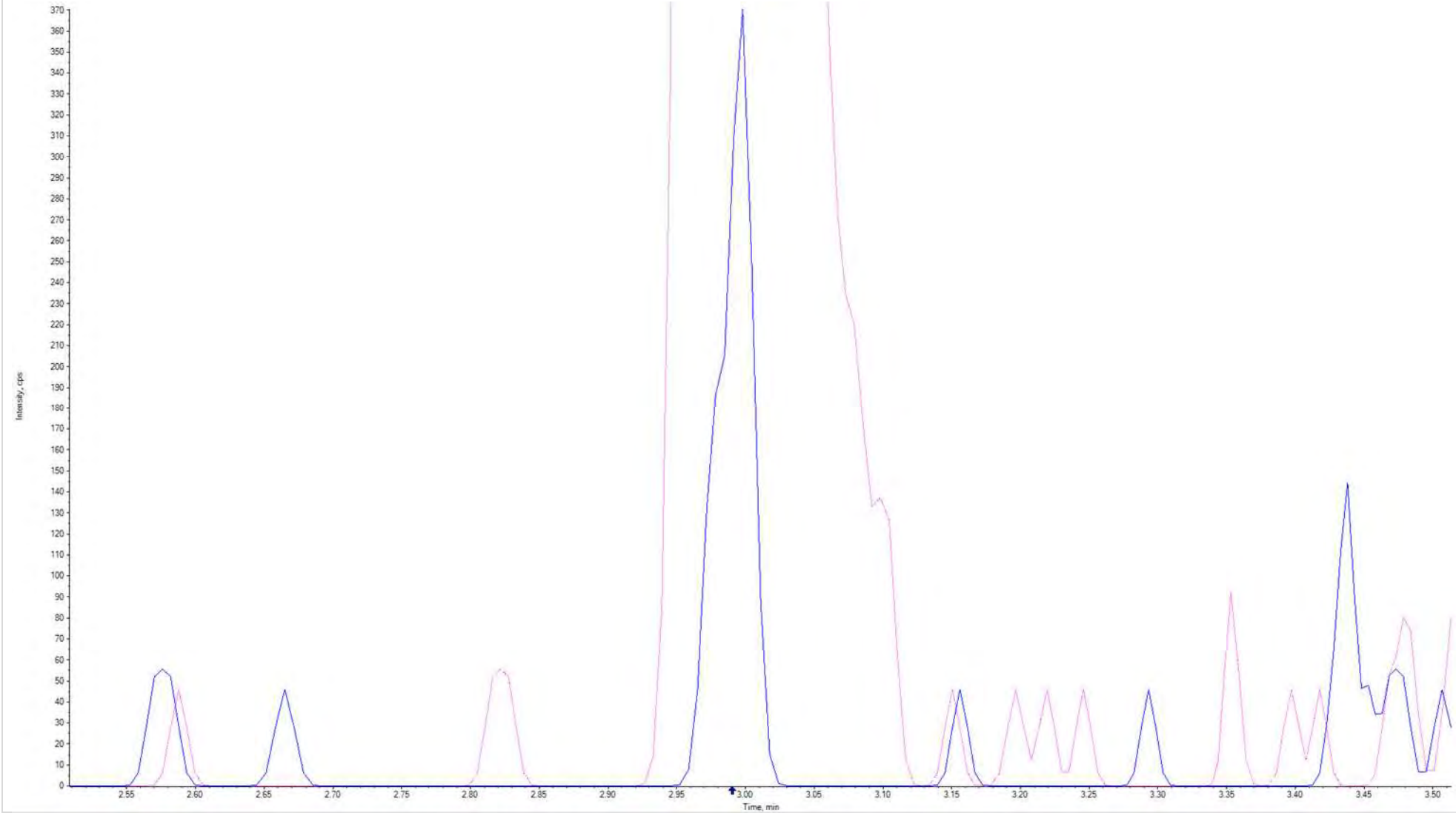
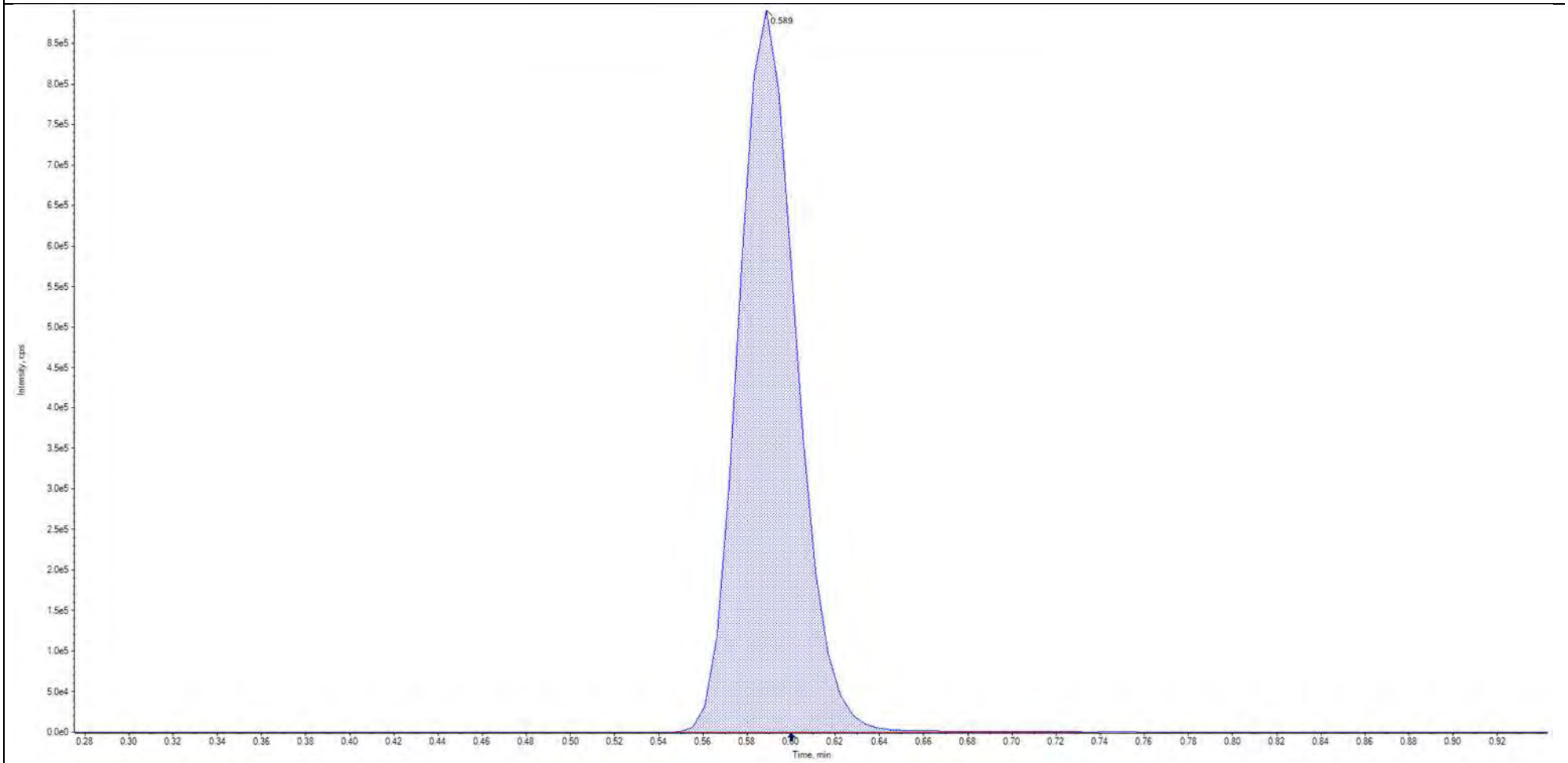
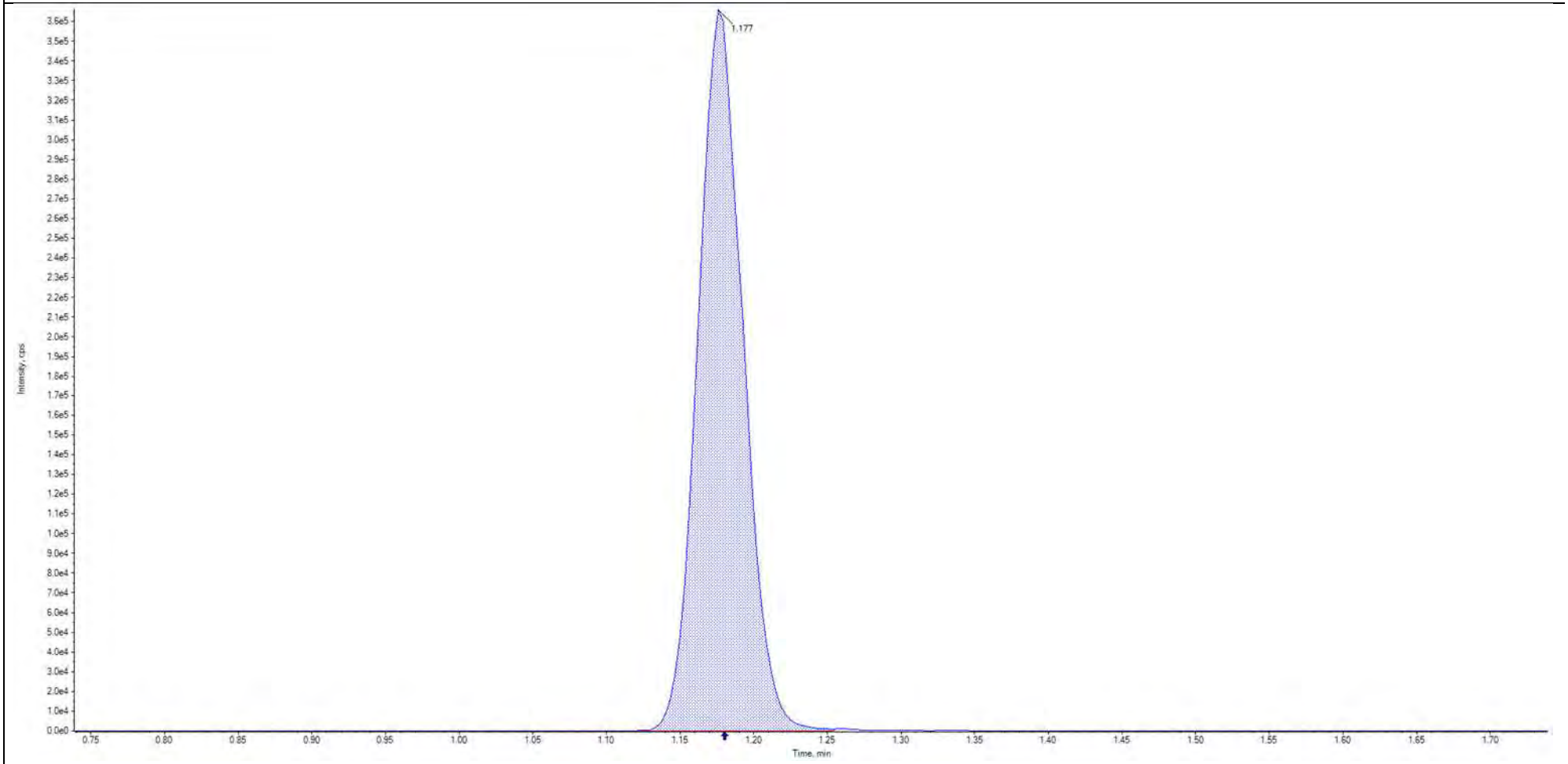


13C4-PFBA
Sample: L2512368-04



13C5-PFPeA
Sample: L2512368-04



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13C5-PFHxA
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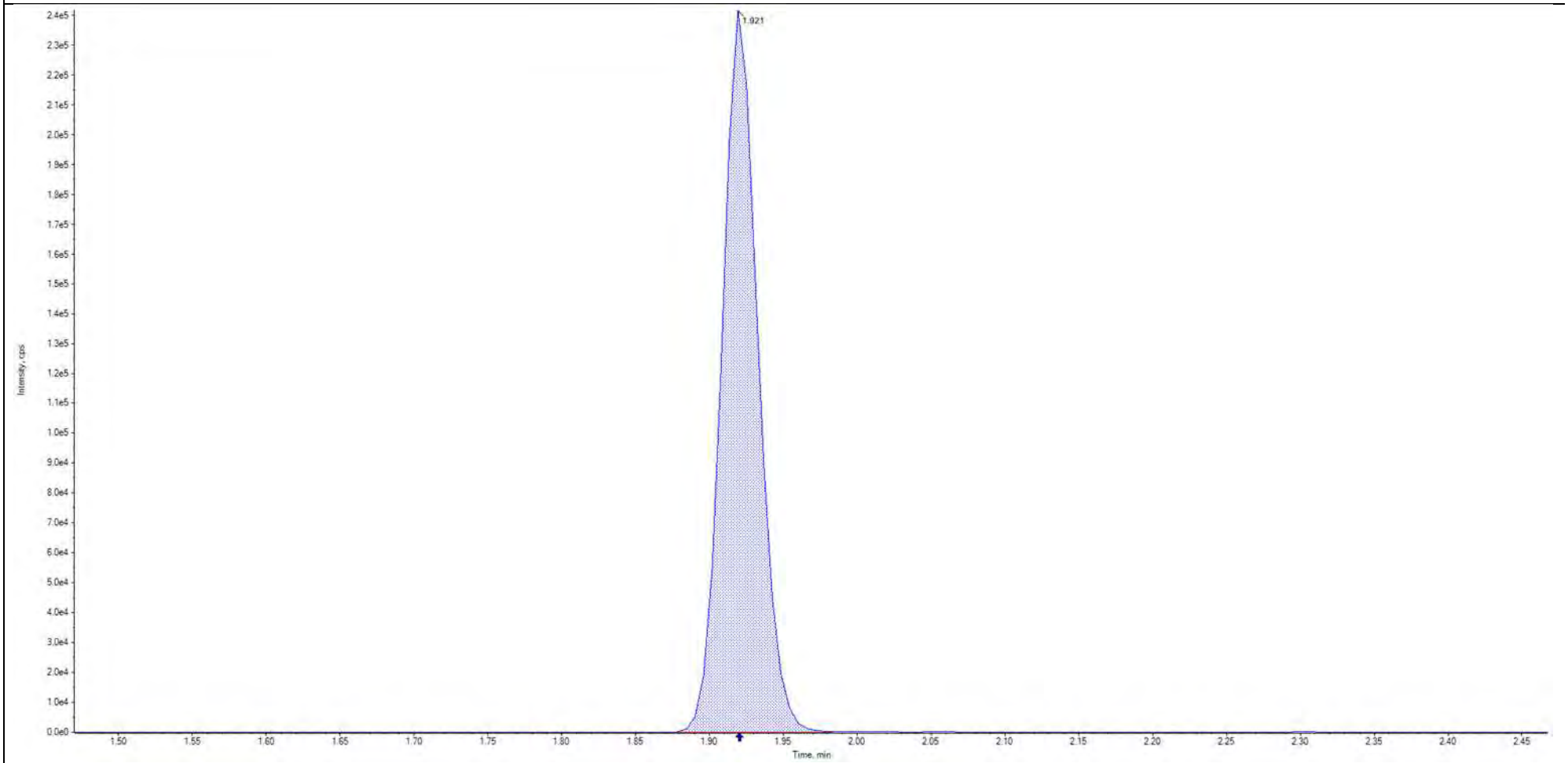

13C4-PFHpA
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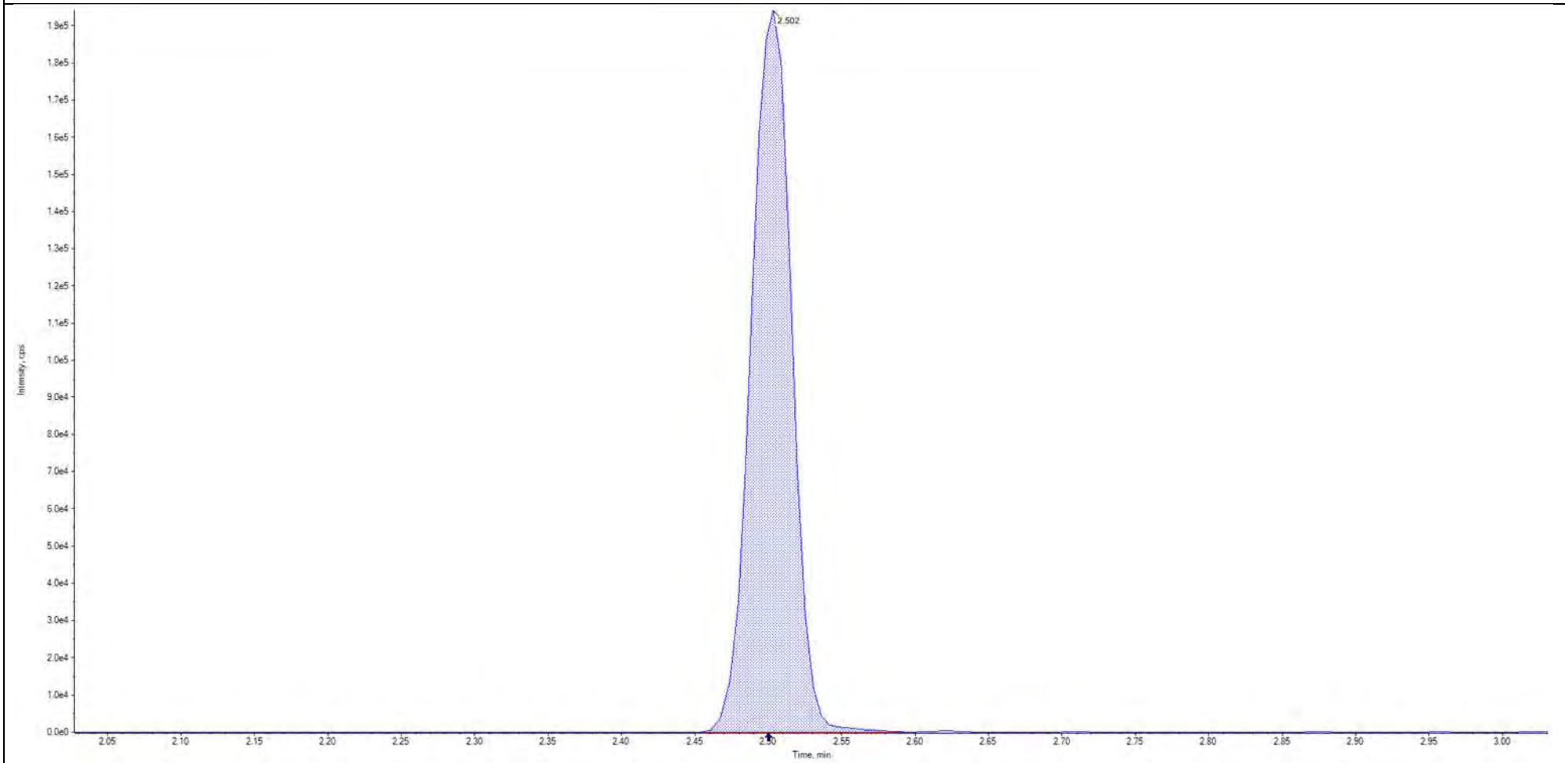

13C8-PFOA
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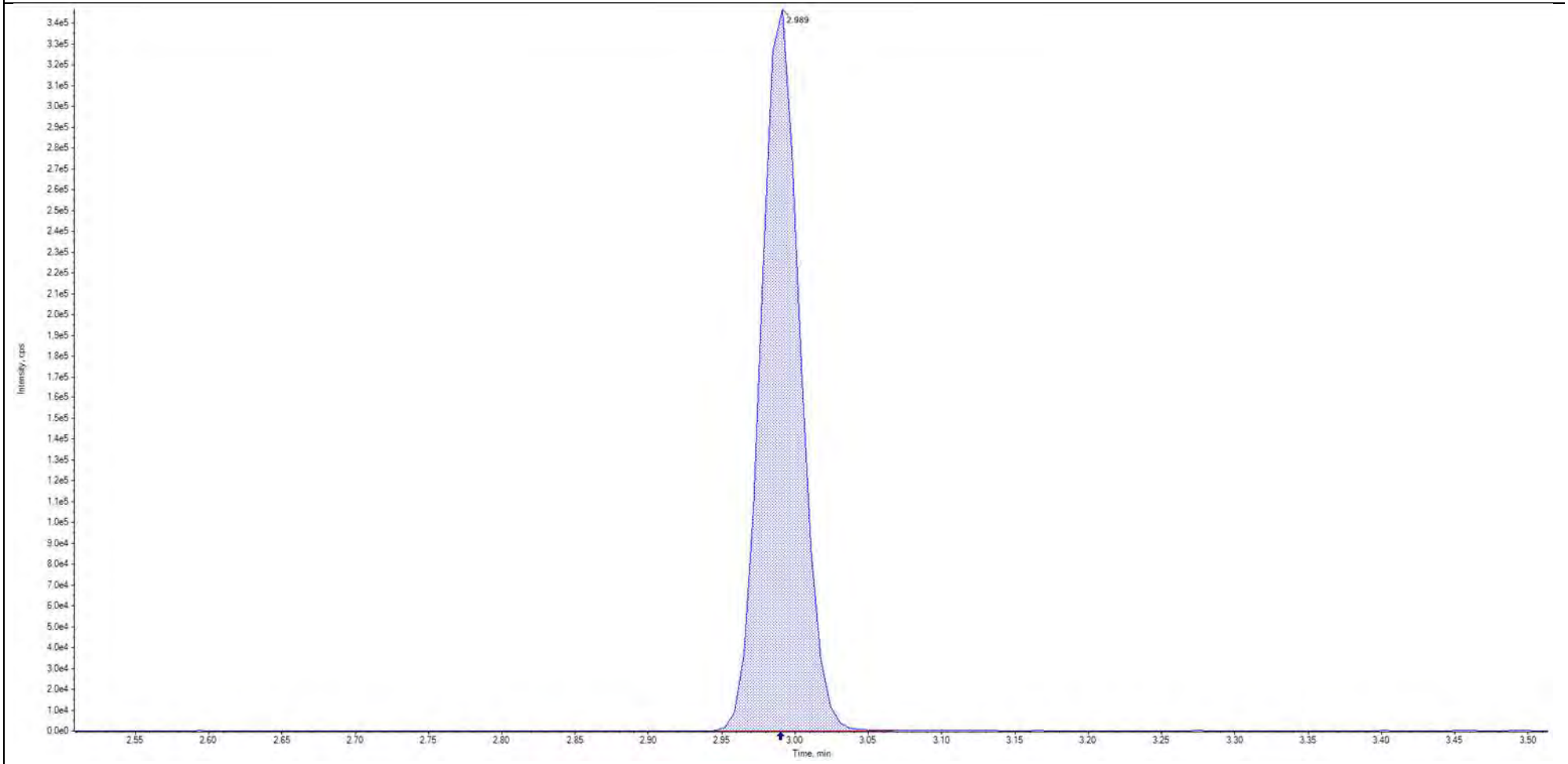

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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13C9-PFNA
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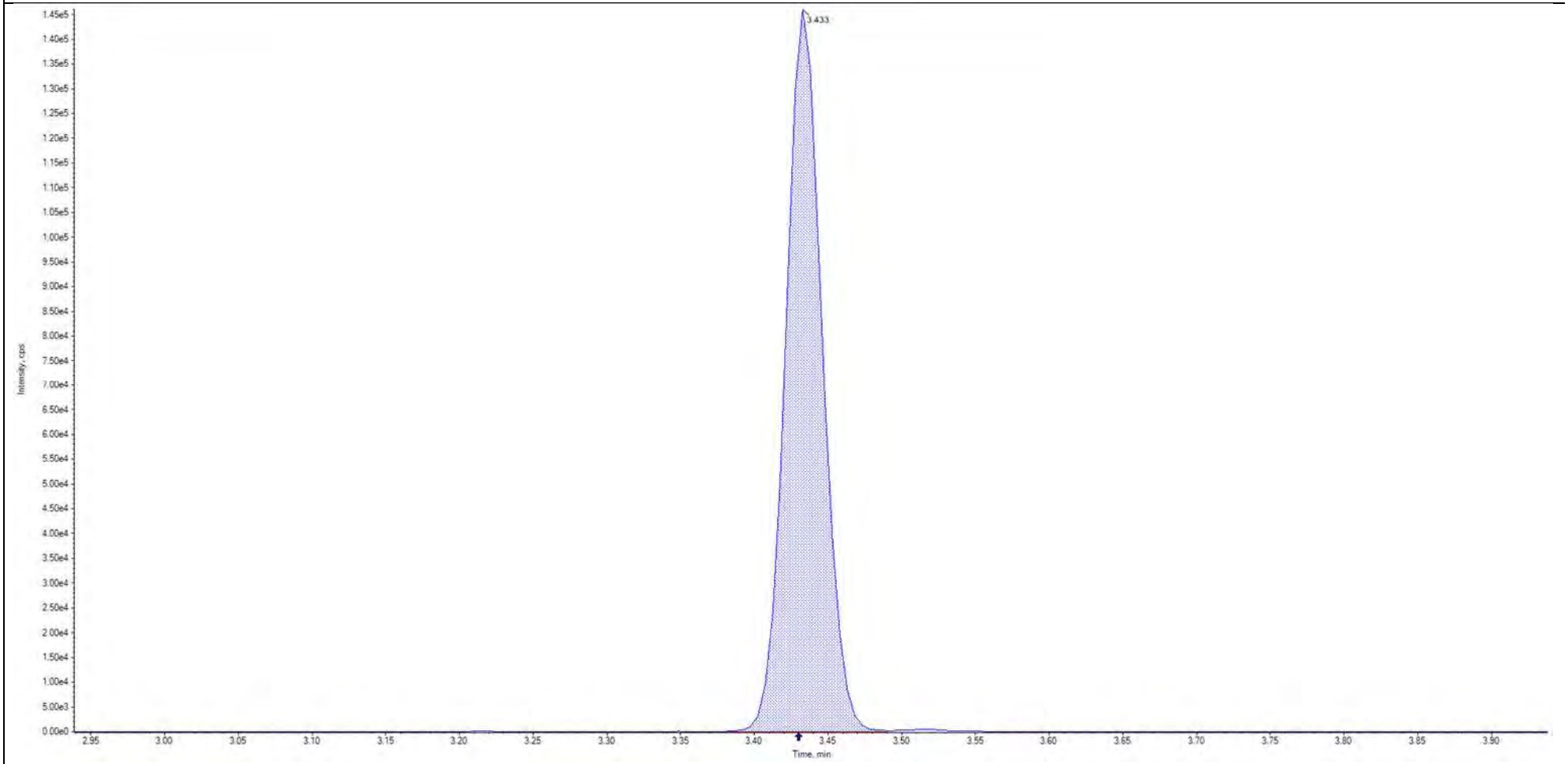
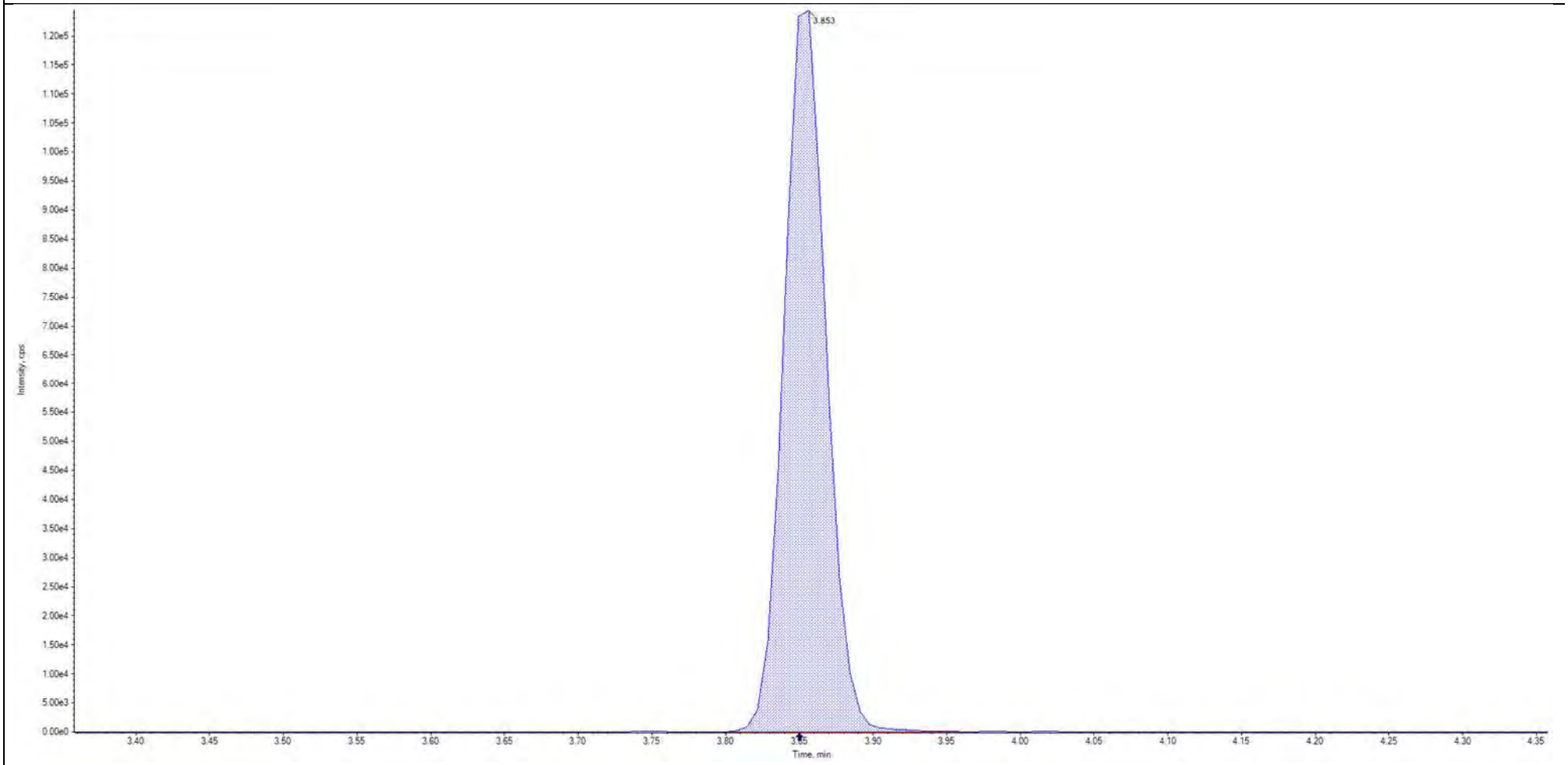


13C6-PFDA
Sample: L2512368-04



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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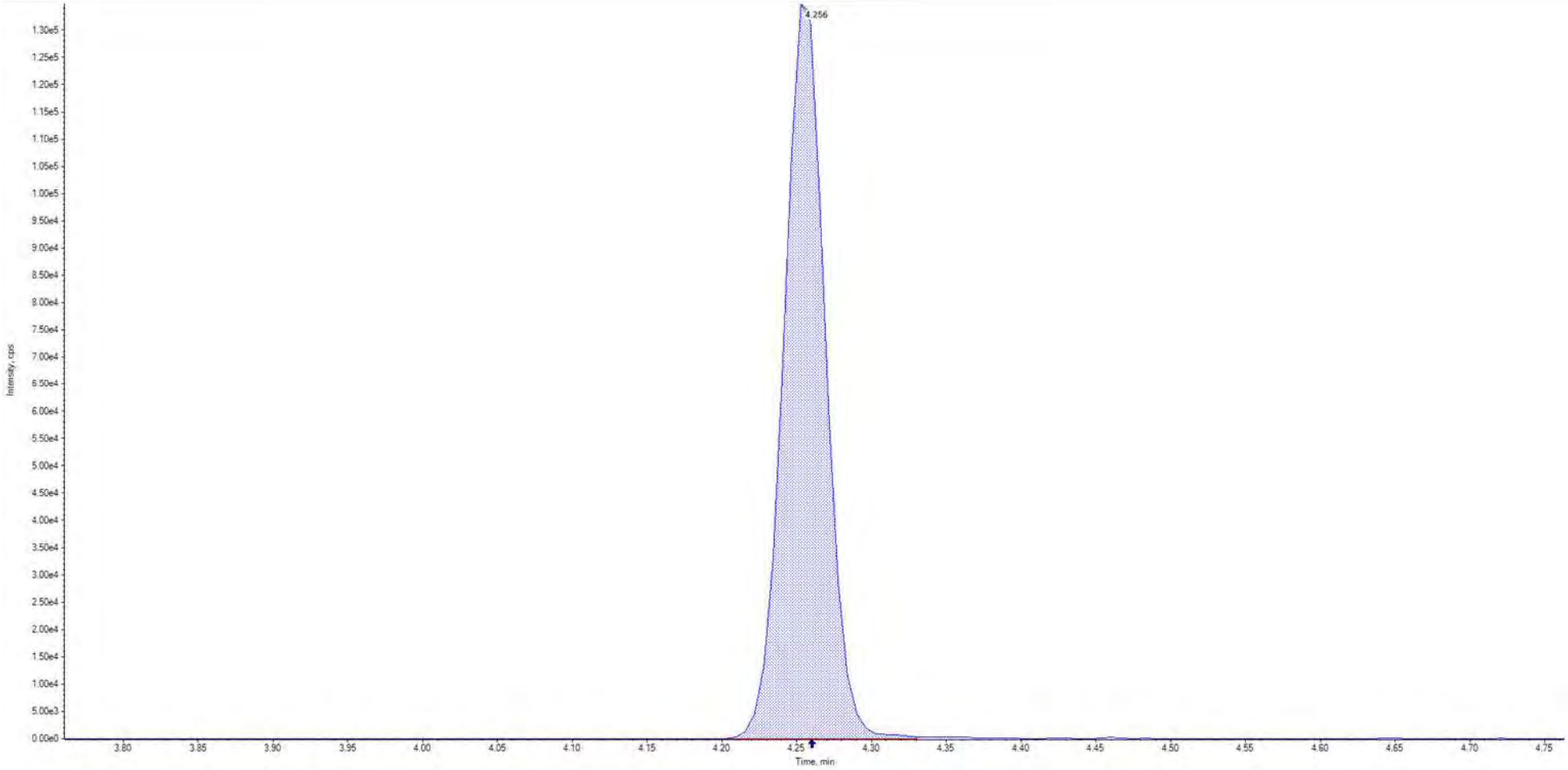
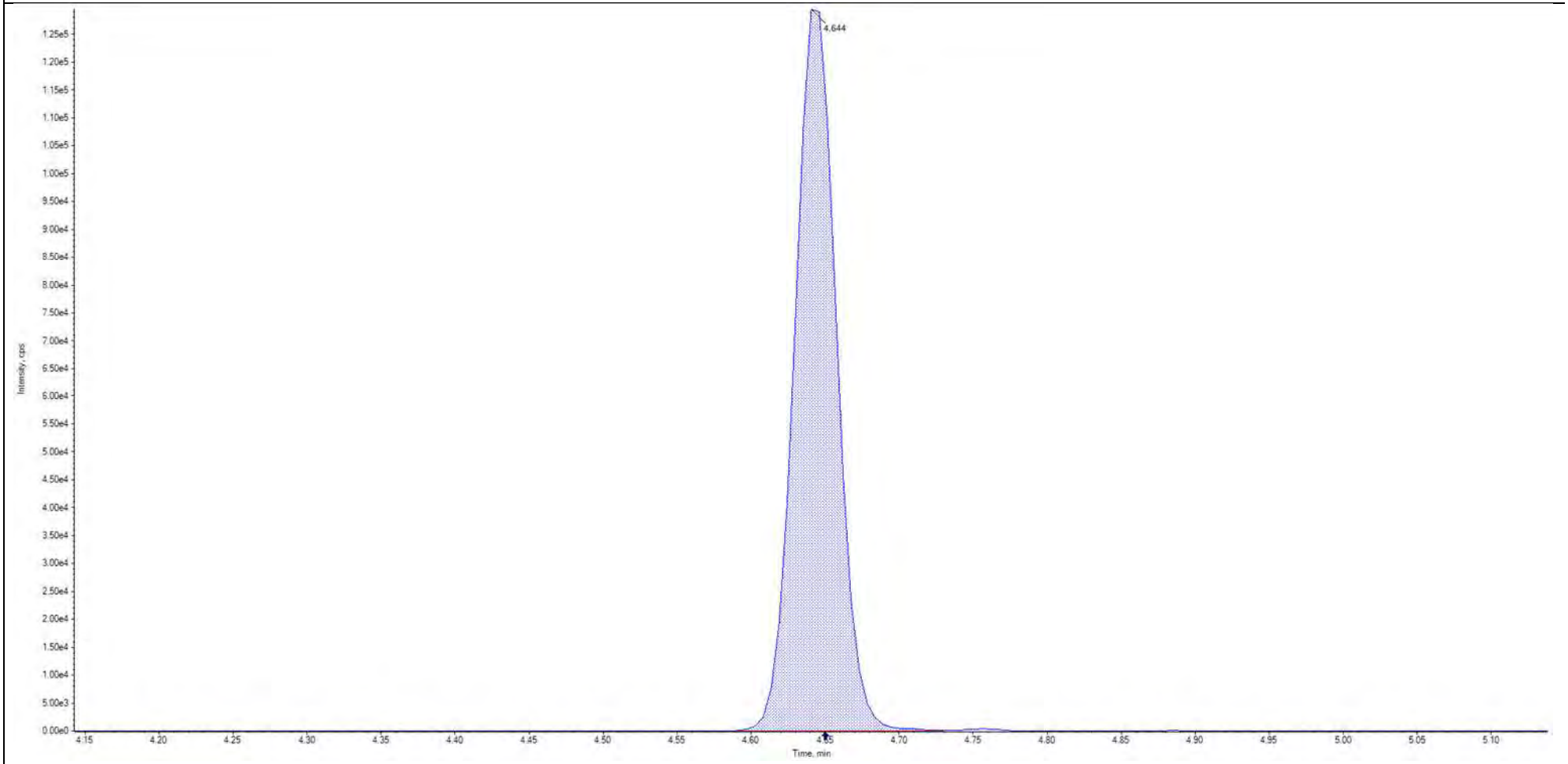
Generated: 3/11/2025 12:27:08 PM

13C7-PFUnA
Sample: L2512368-04



13C2-PFDoA
Sample: L2512368-04



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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13C2-PFTeDA
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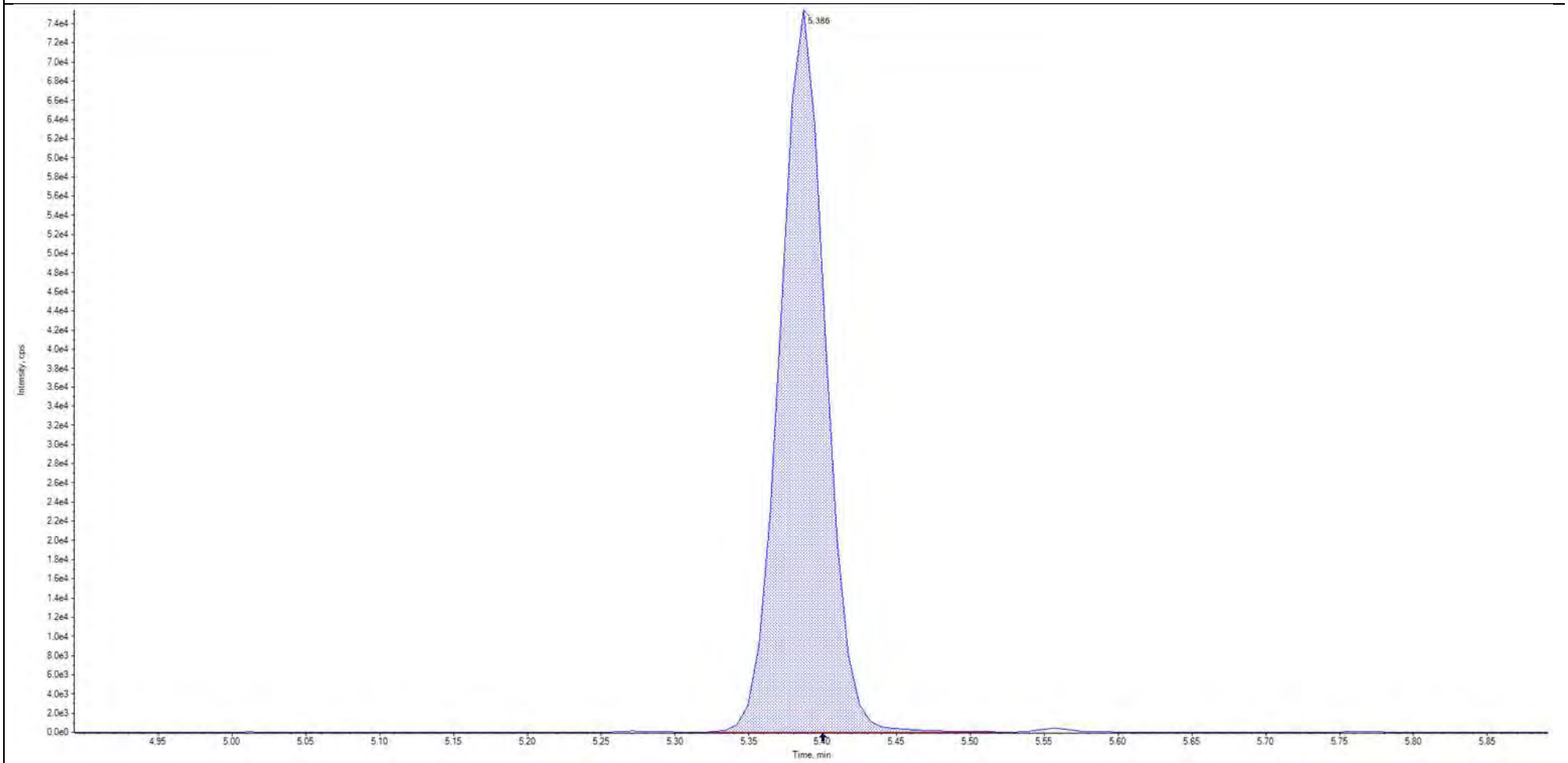

13C3-PFBS
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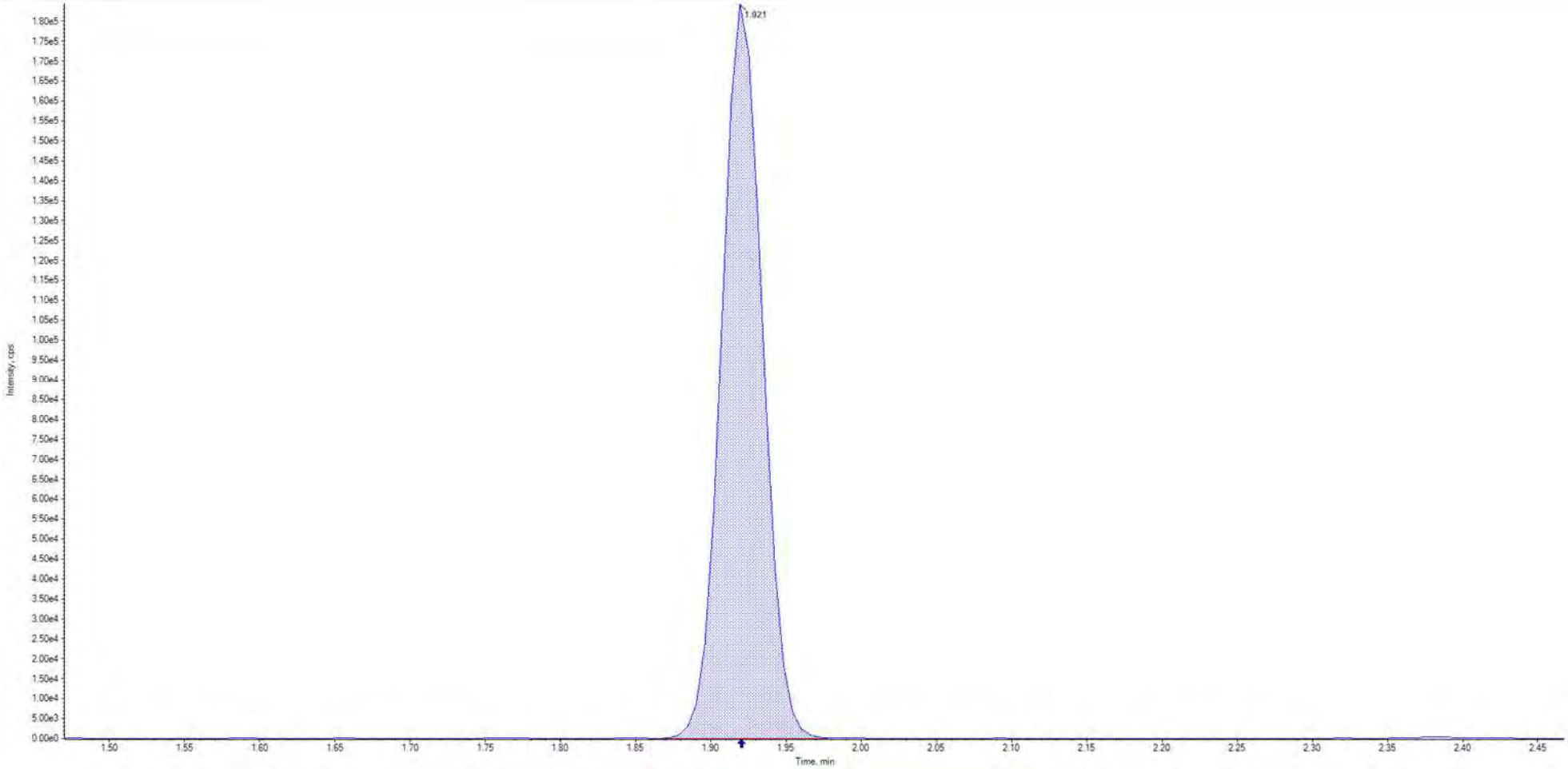
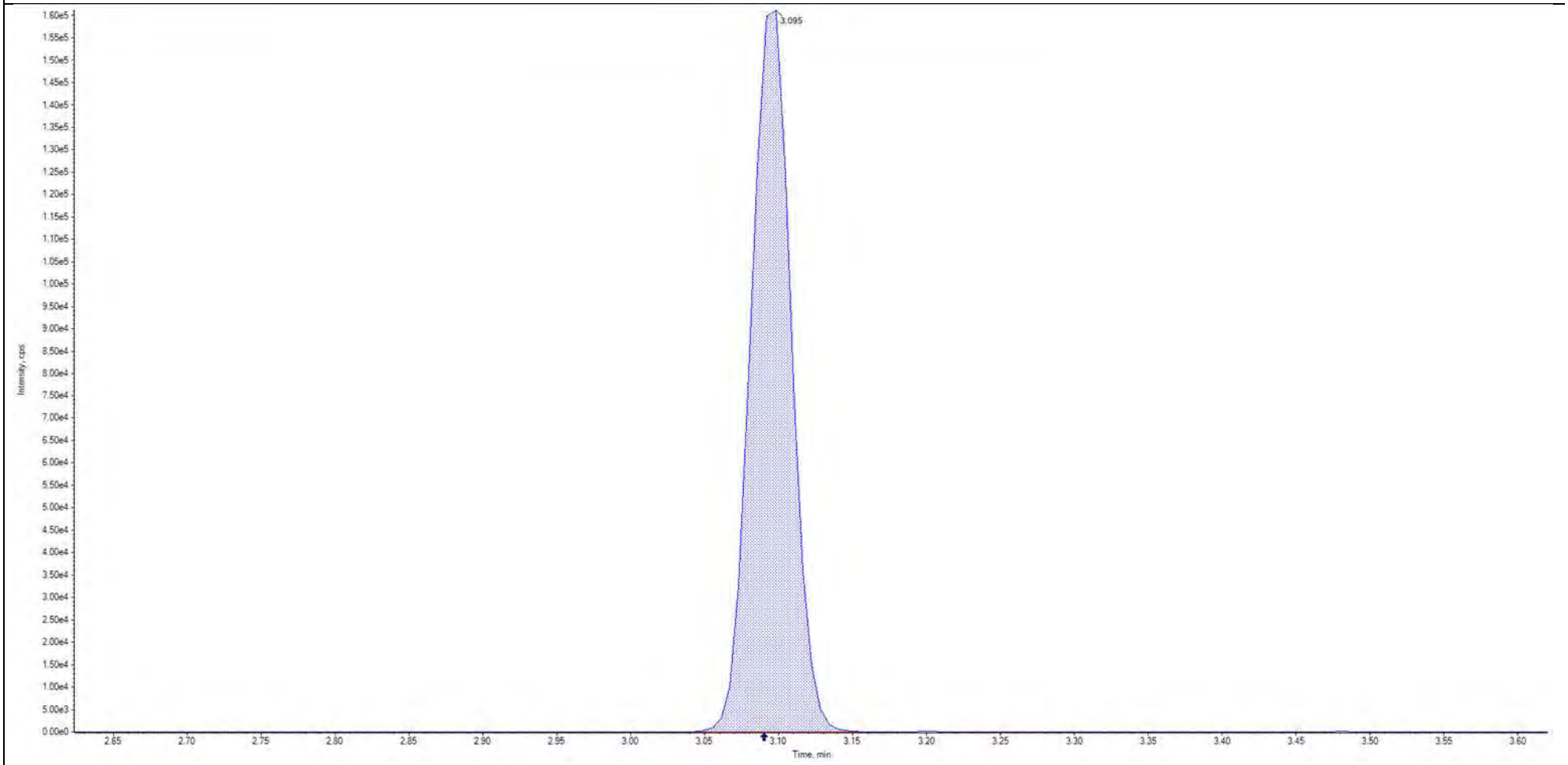


13C3-PFHxS
Sample: L2512368-04



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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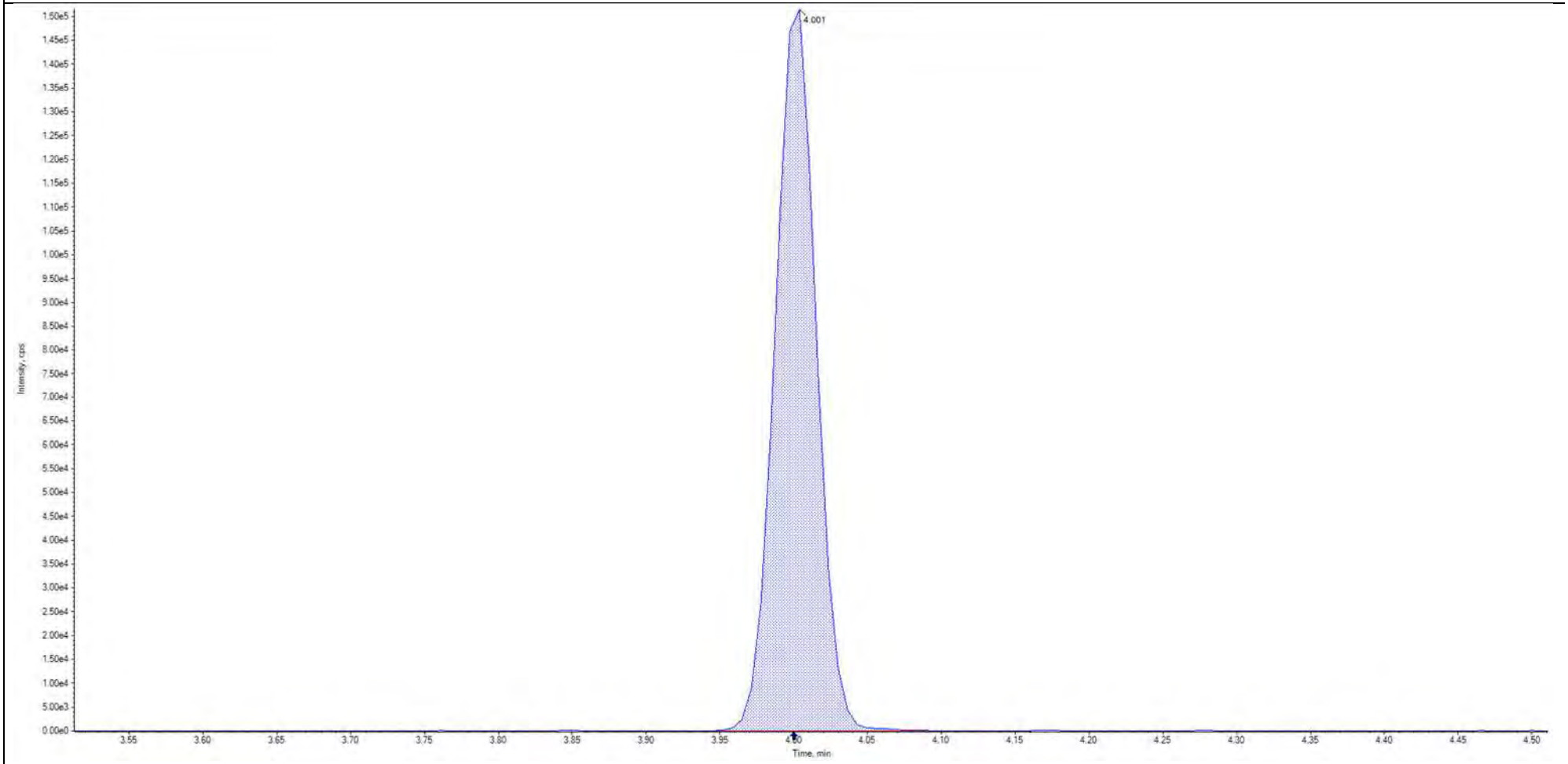
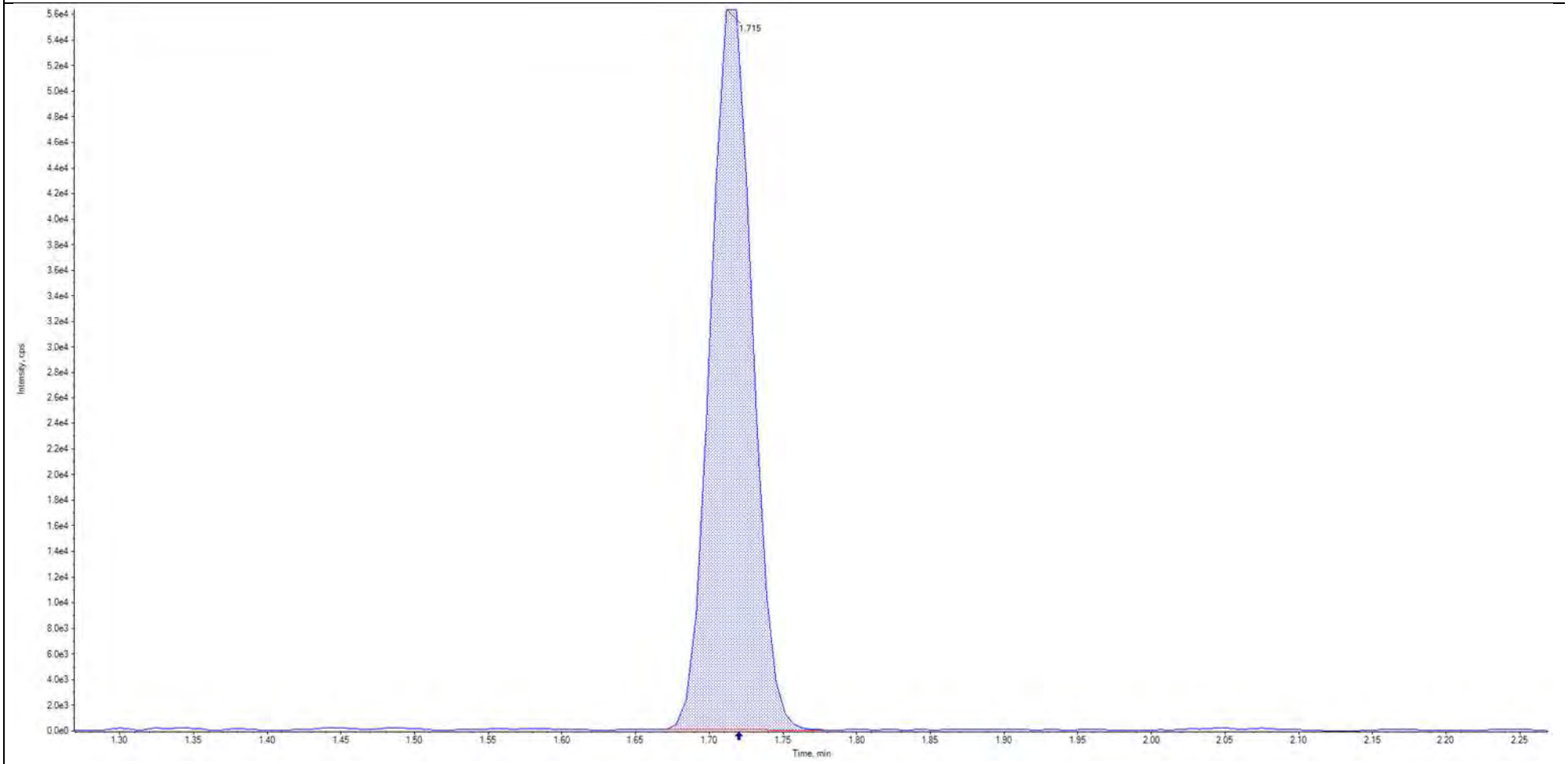
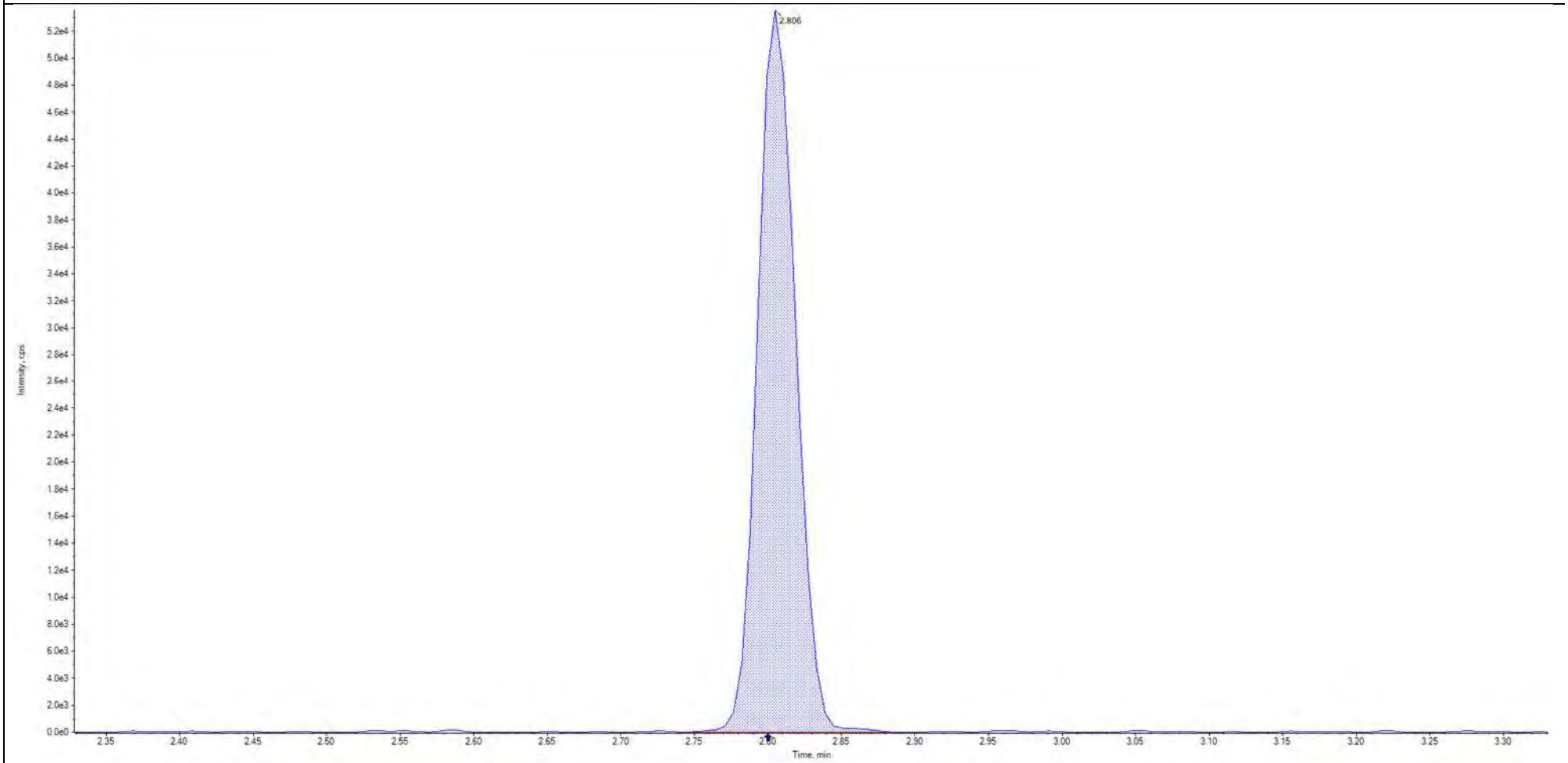
13C8-PFOS
Sample: L2512368-04



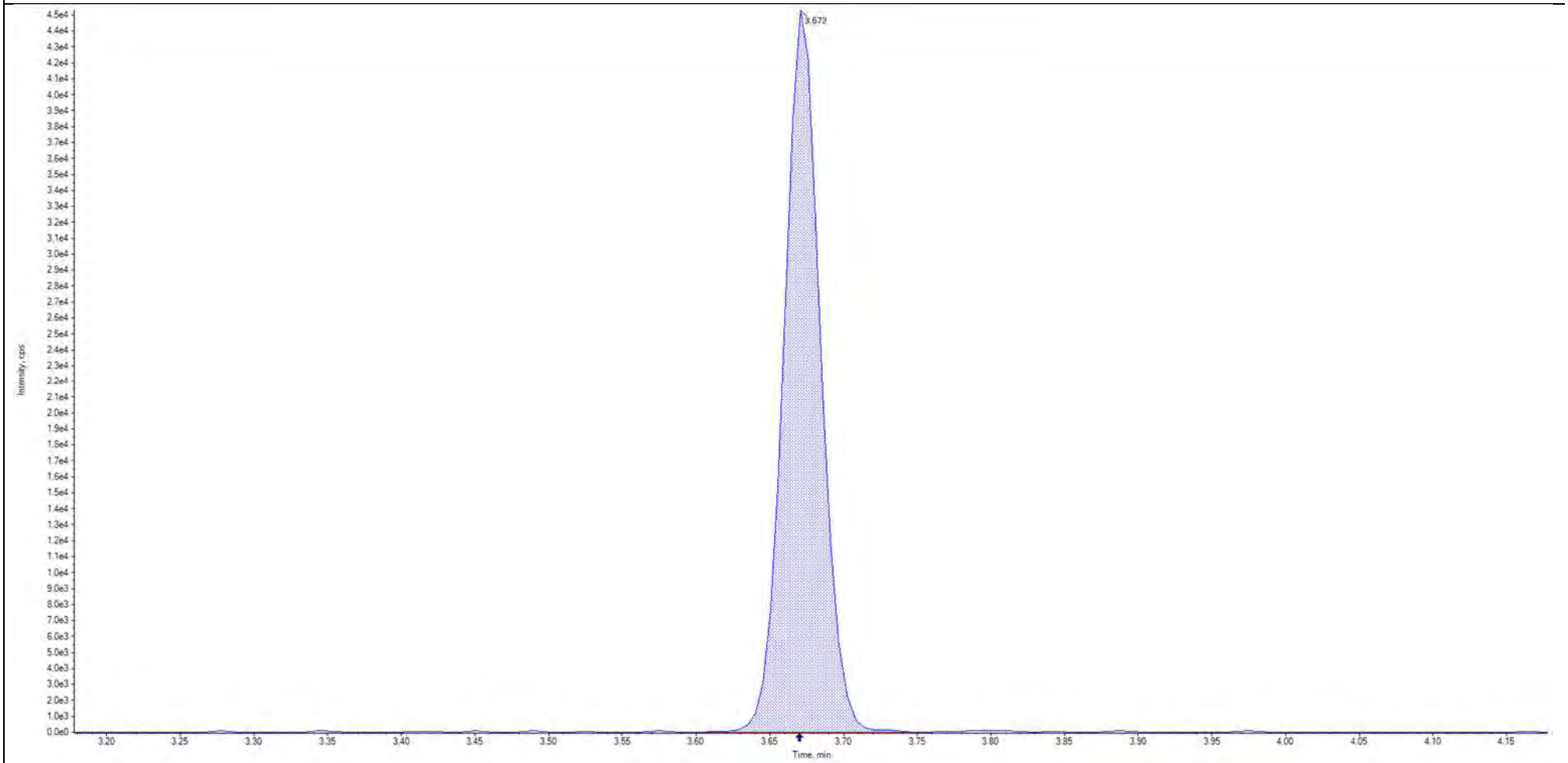
13C2-4:2FTS
Sample: L2512368-04



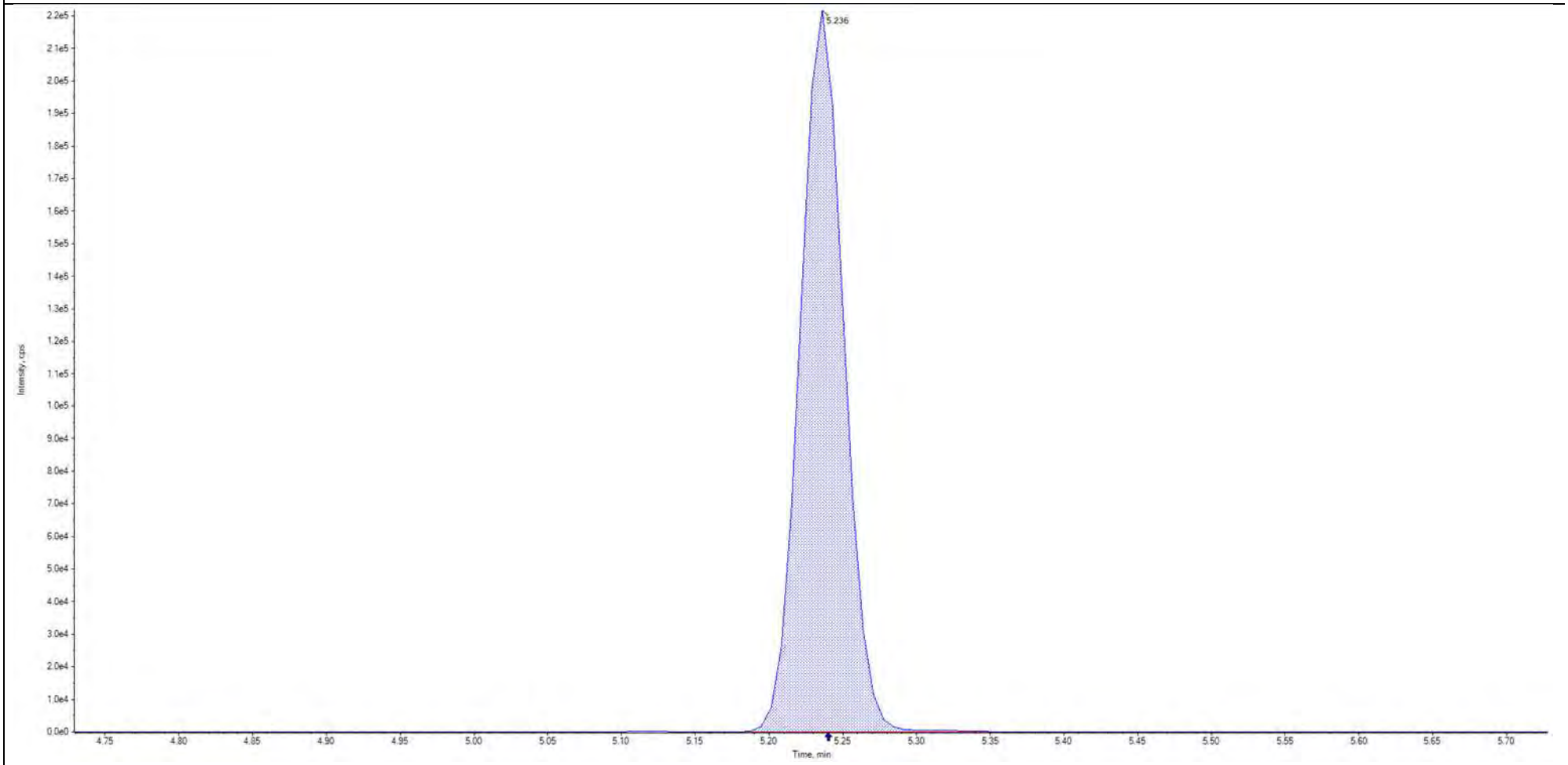
13C2-6:2FTS
Sample: L2512368-04



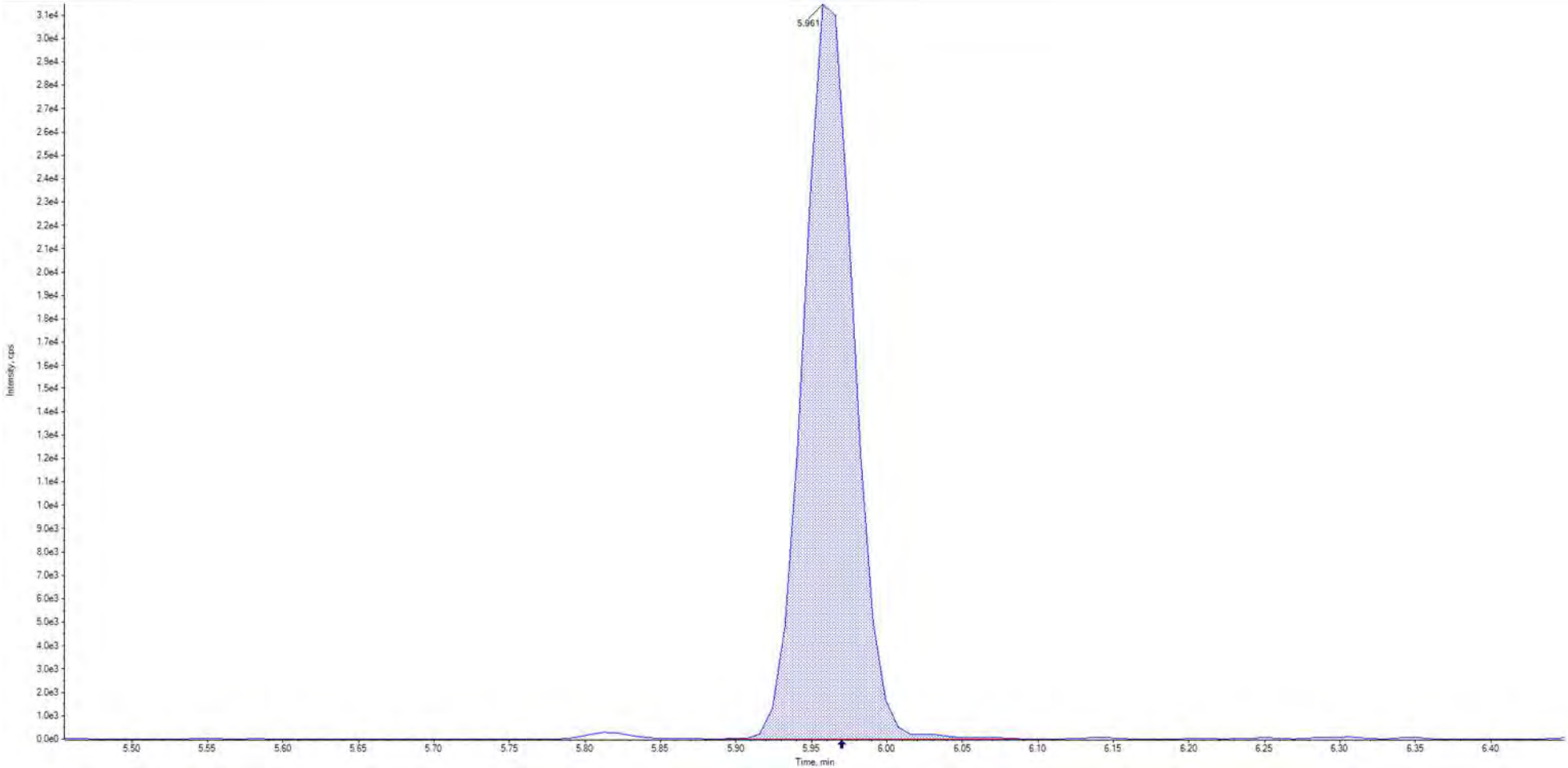
13C2-8:2FTS
Sample: L2512368-04



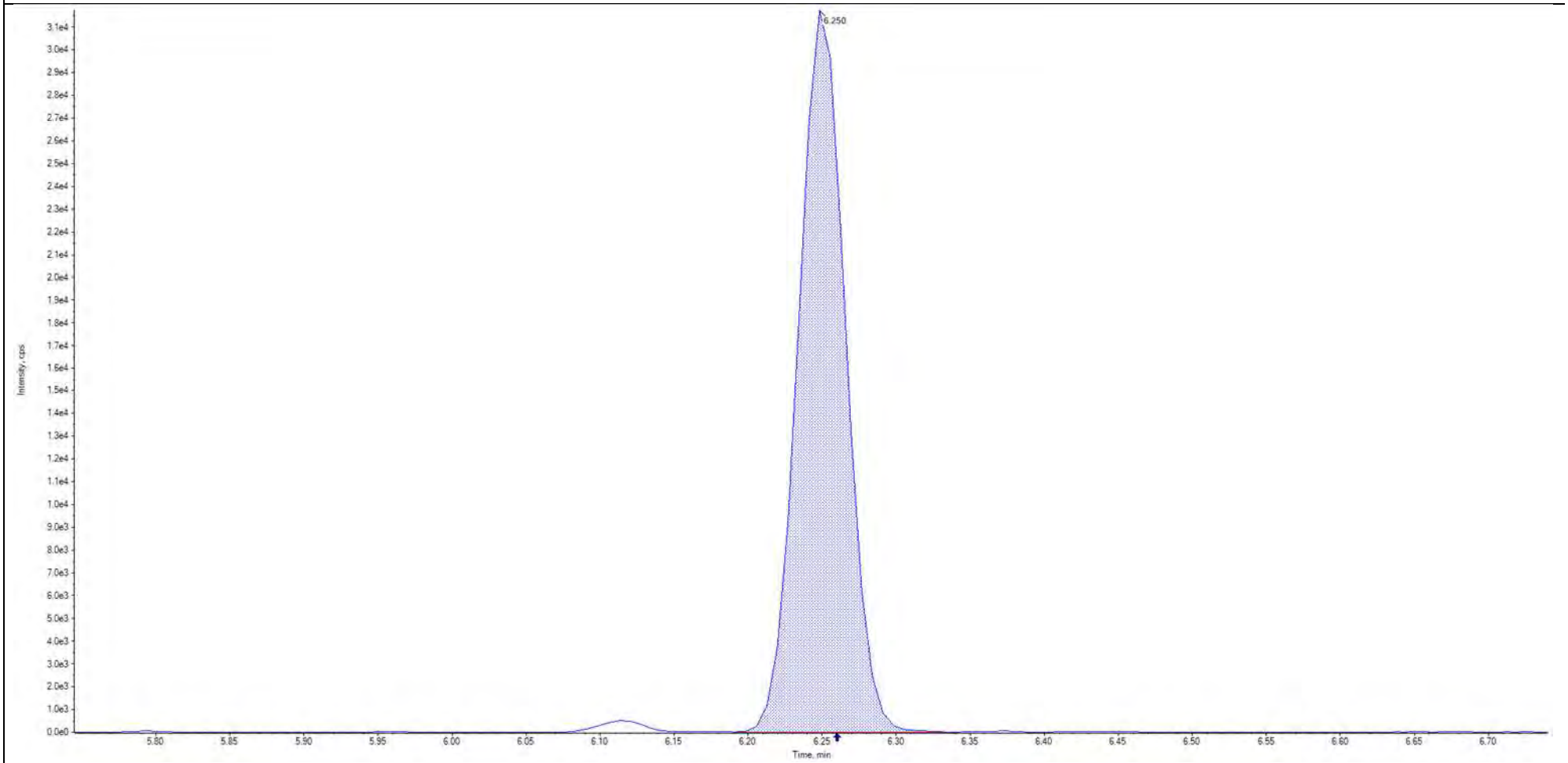
13C8-PFOSA
Sample: L2512368-04



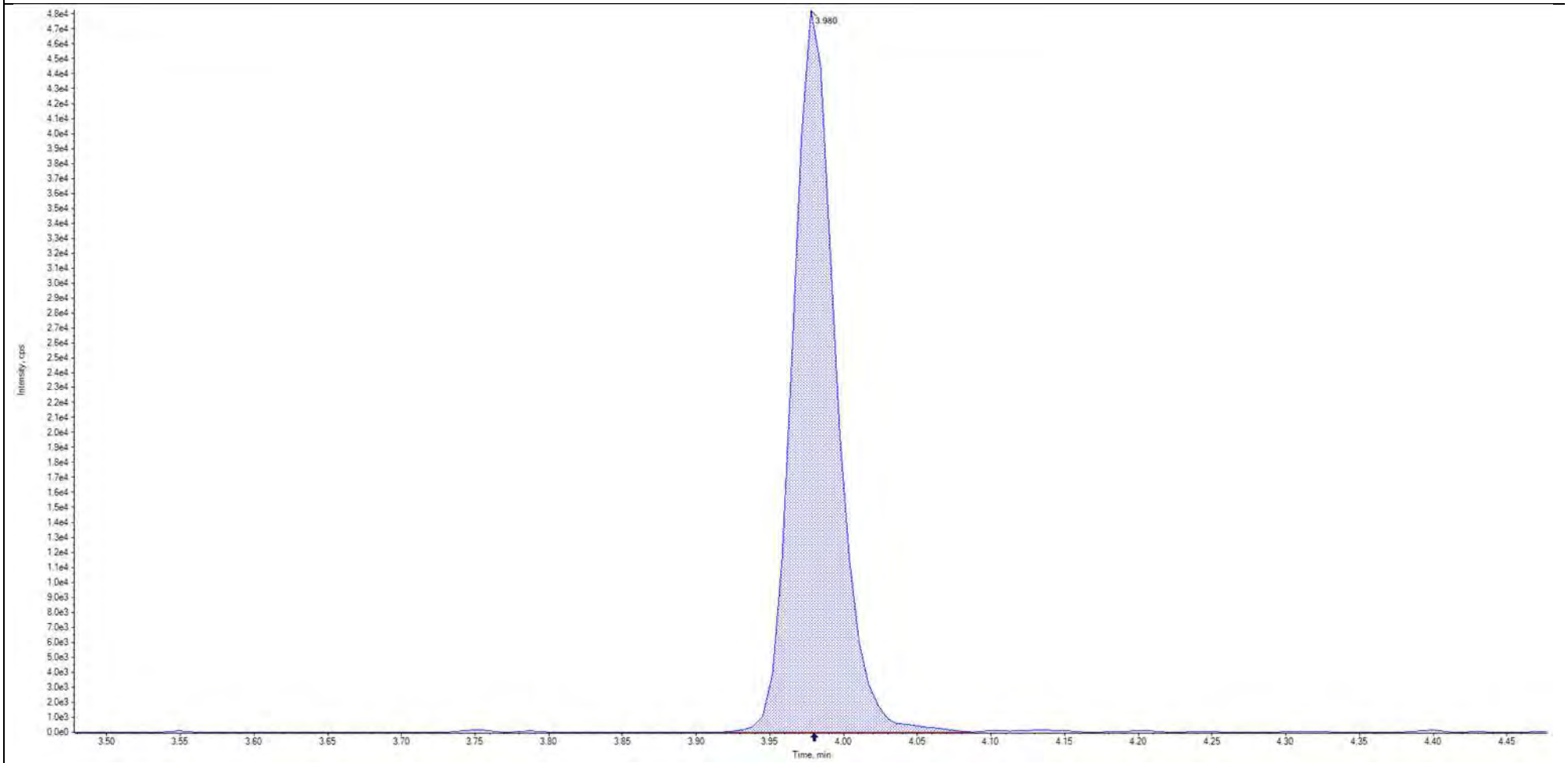
d3-NMeFOSA
Sample: L2512368-04



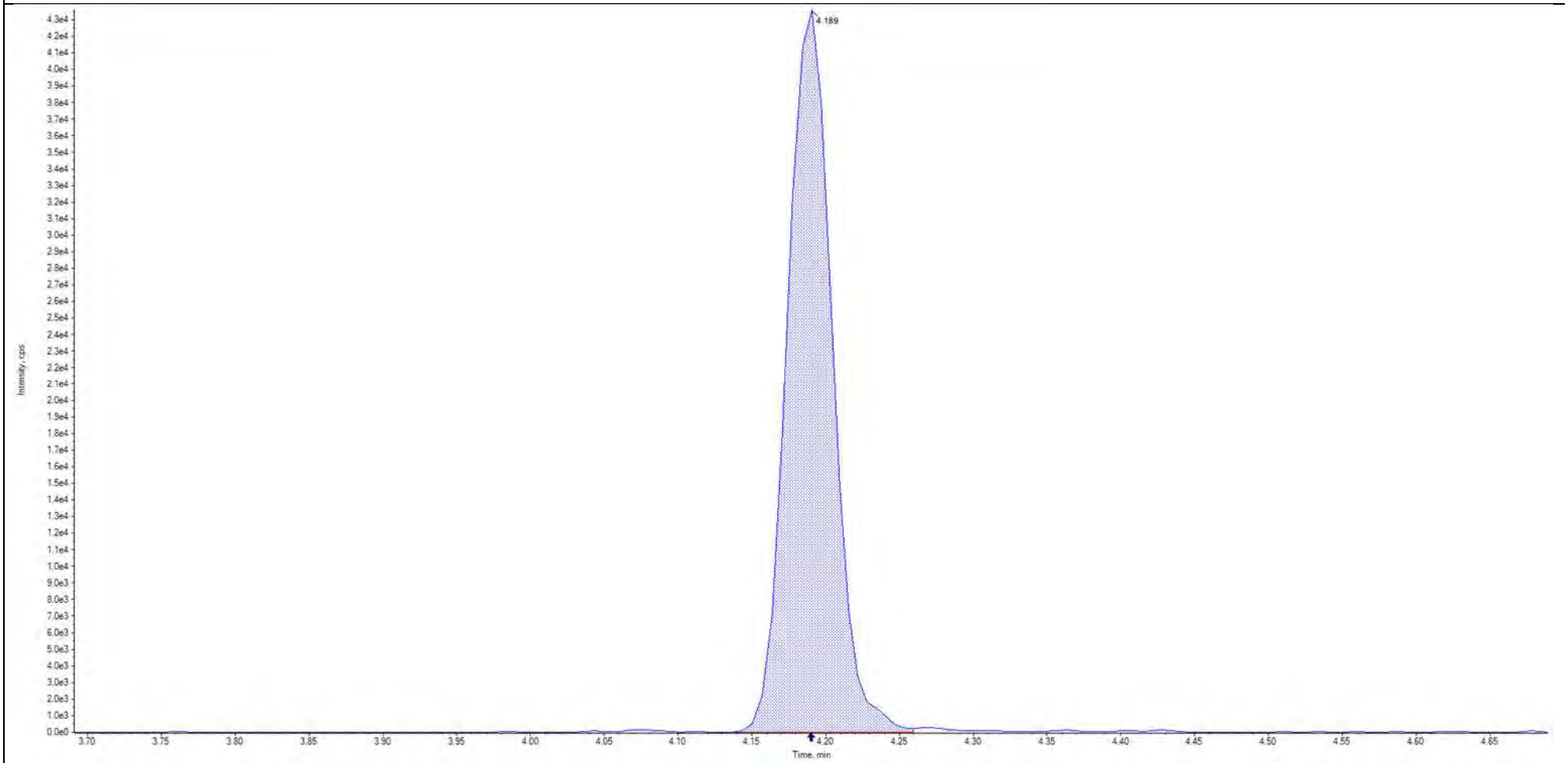
d5-NEtFOSA
Sample: L2512368-04



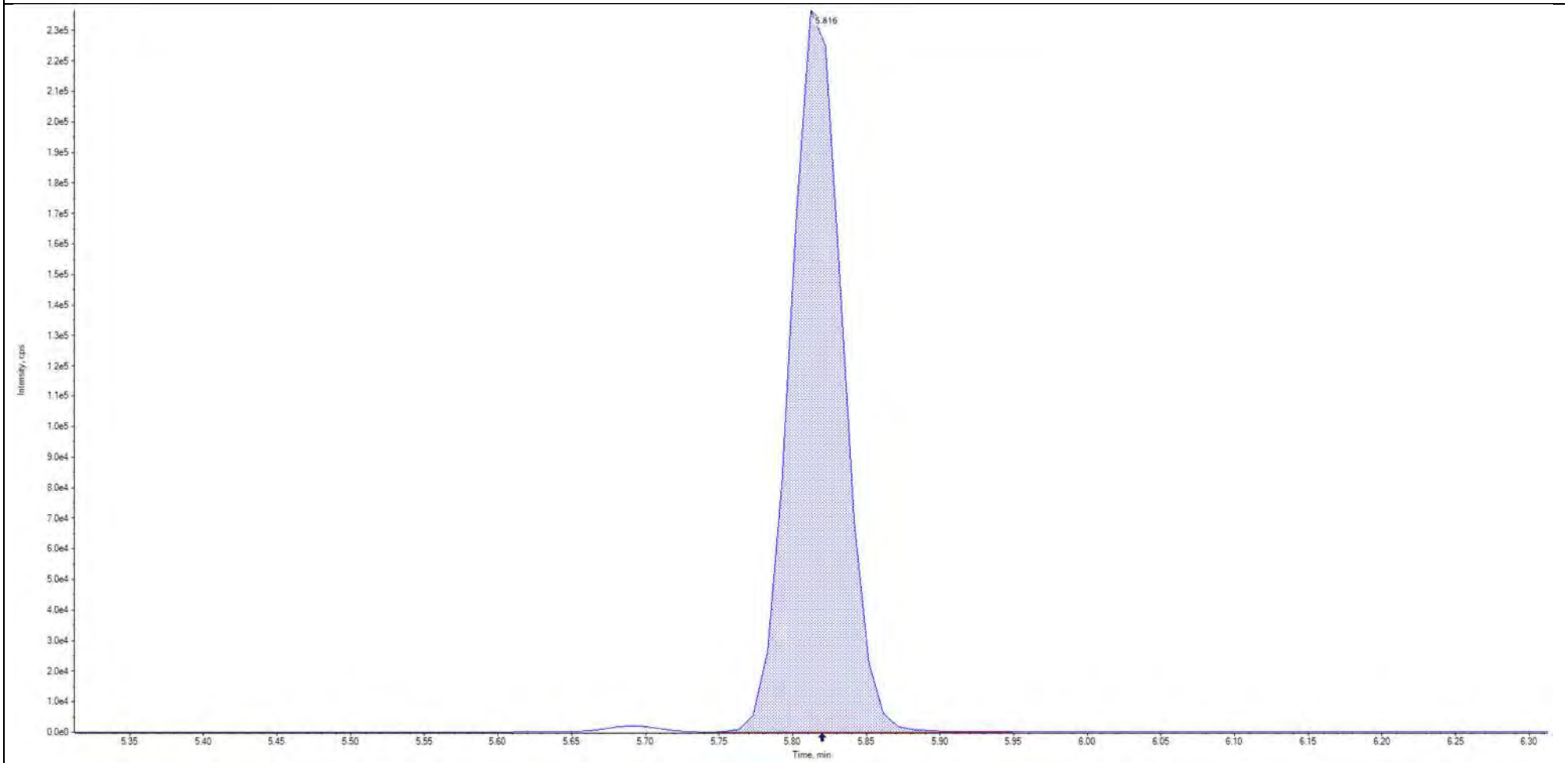
d3-NMeFOSAA
Sample: L2512368-04



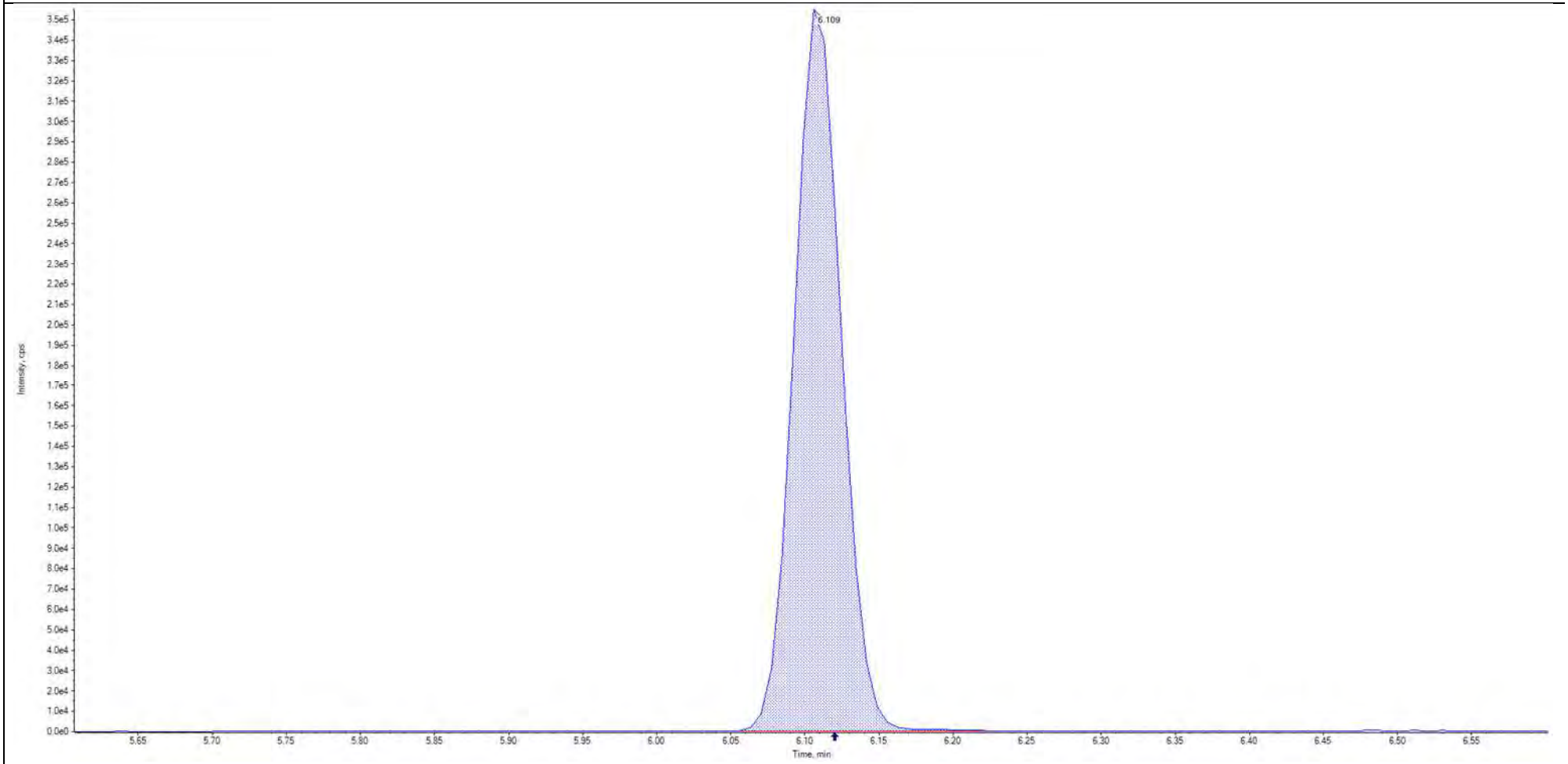
d5-NEtFOSAA
Sample: L2512368-04



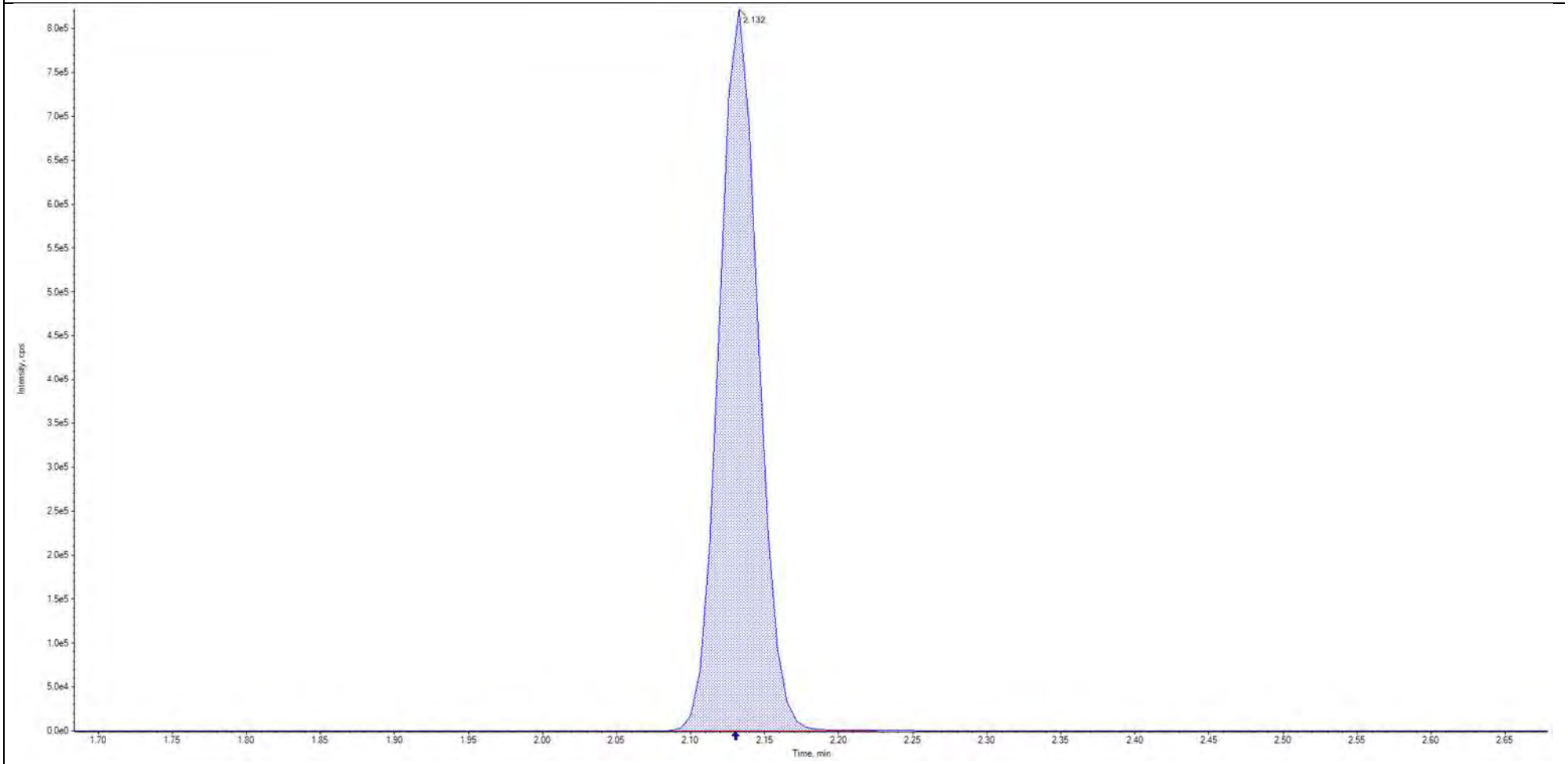
d7-NMeFOSE
Sample: L2512368-04



d9-NEtFOSE
Sample: L2512368-04



13C3-HFPO-DA
Sample: L2512368-04



13C3-PFBA
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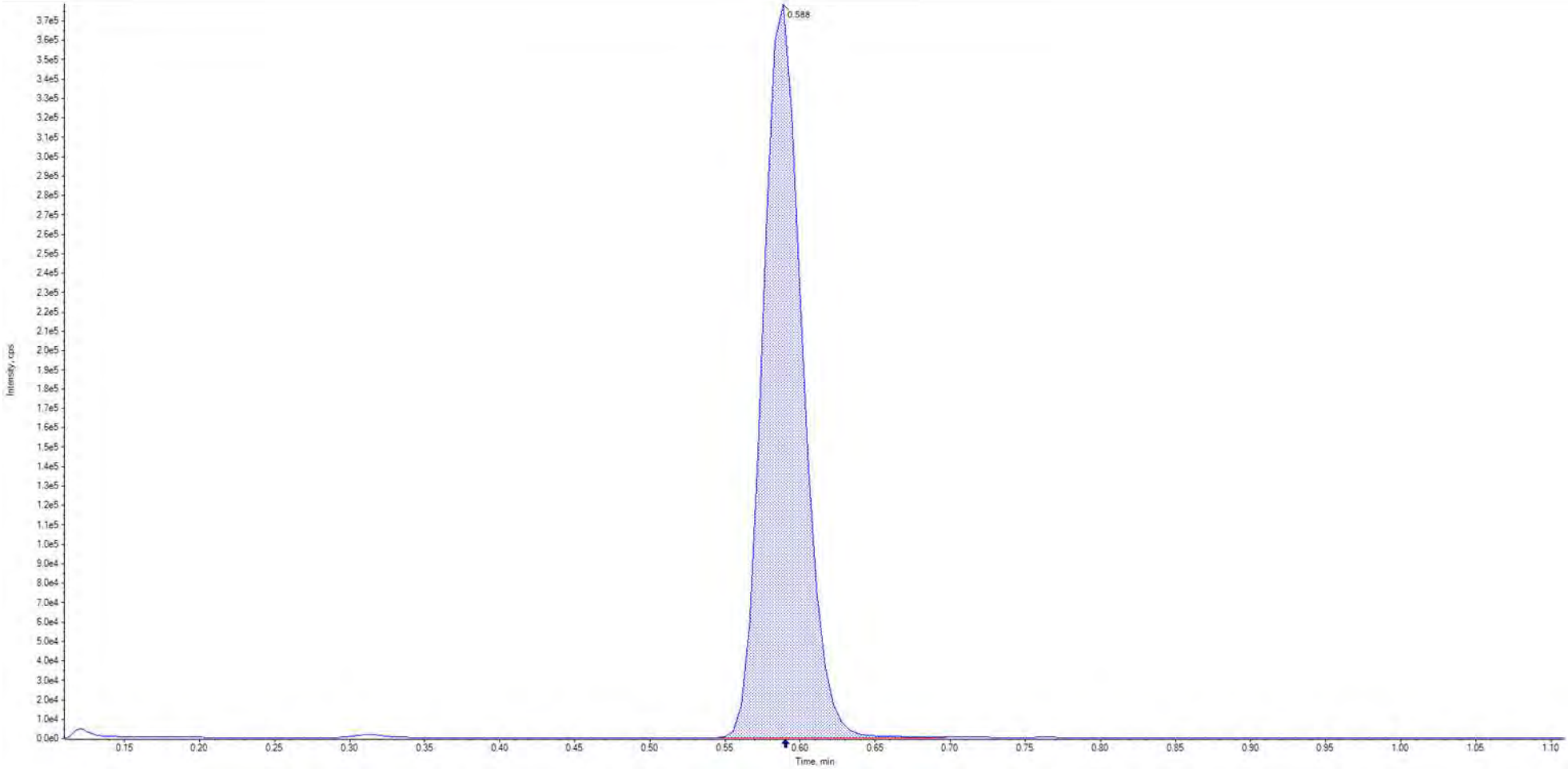

13C2-PFHxA
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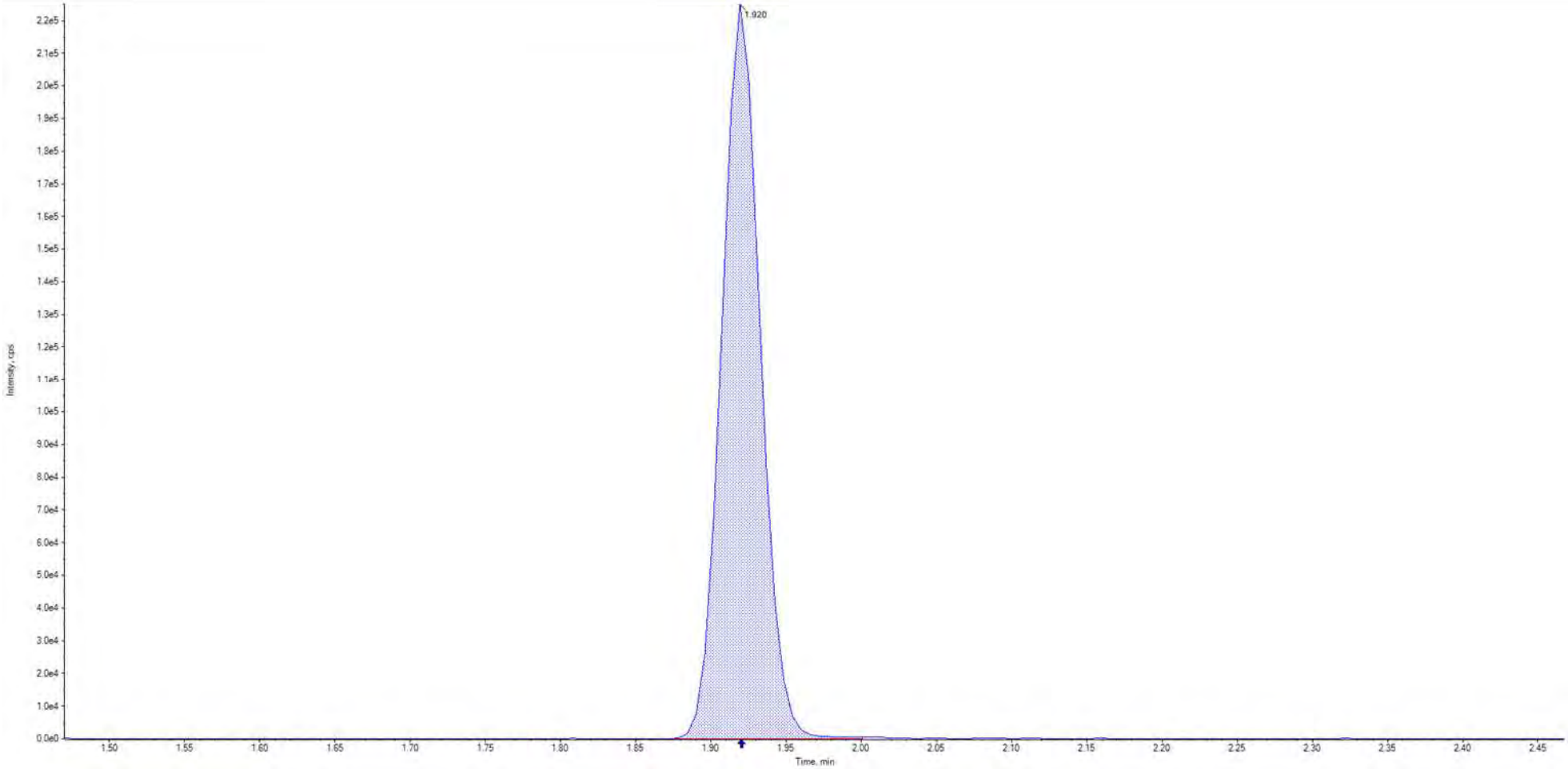

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Alpha Analytical LLC
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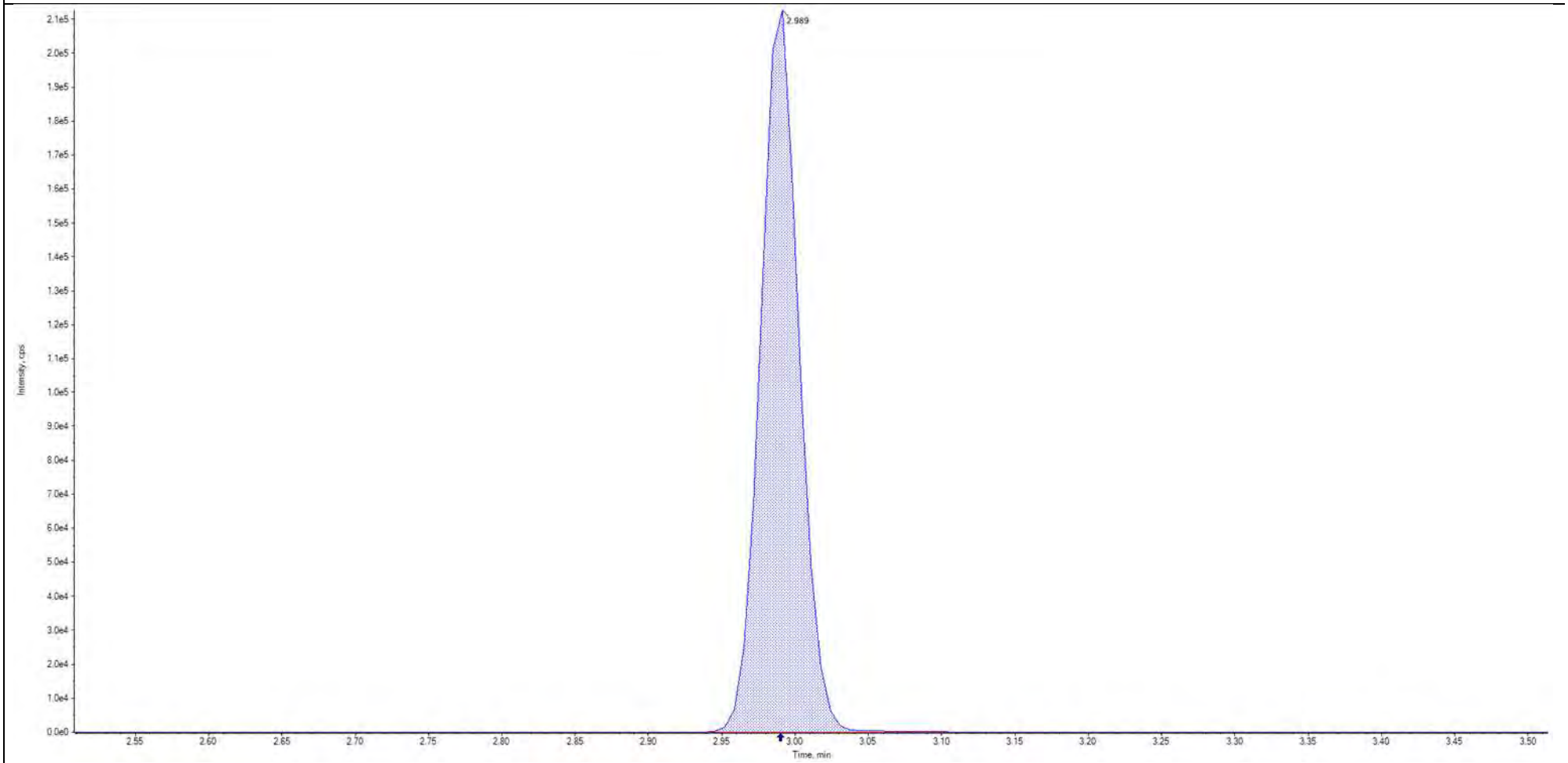
13C4-PFOA
Sample: L2512368-04



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13C5-PFNA
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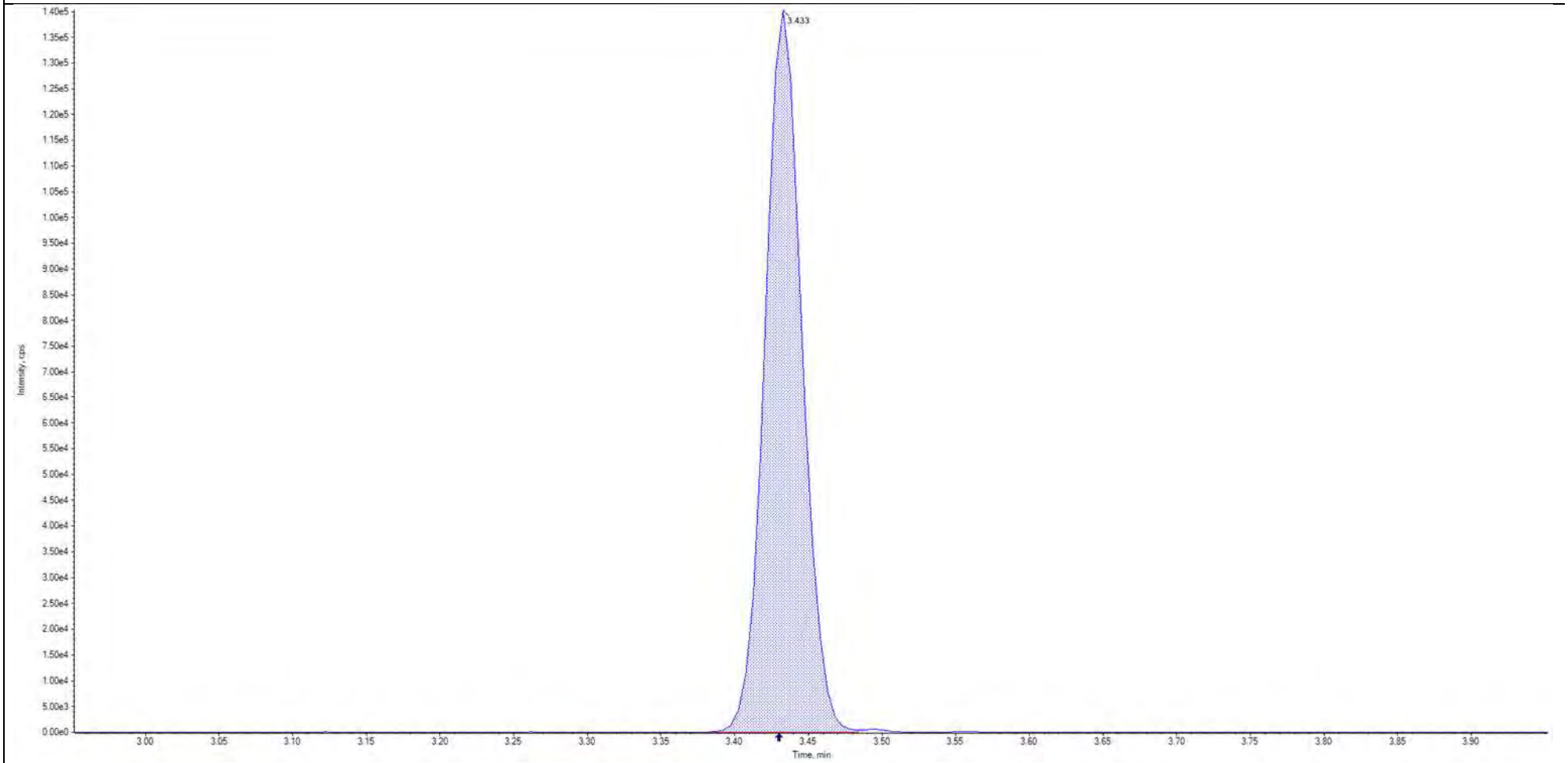
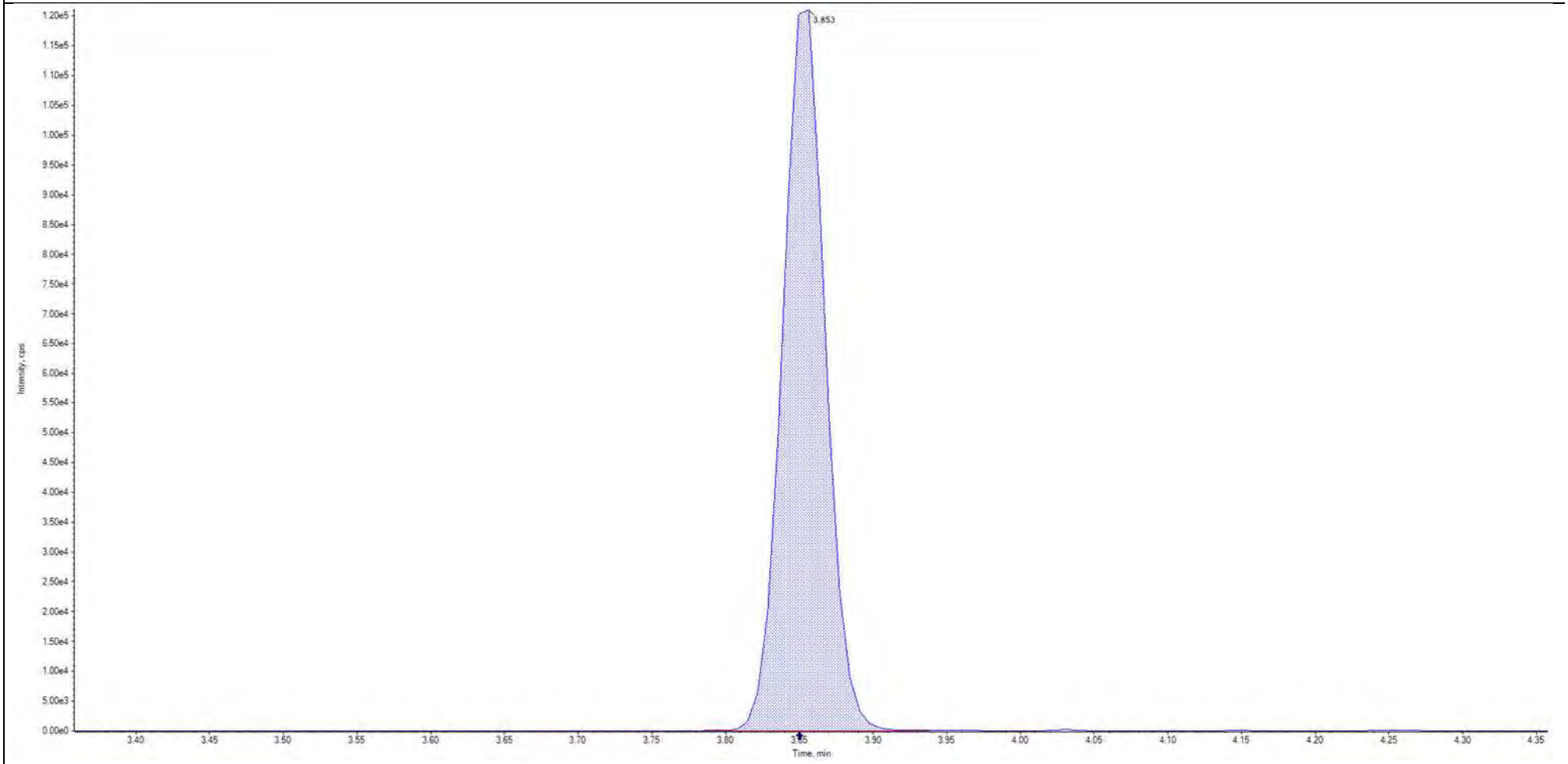
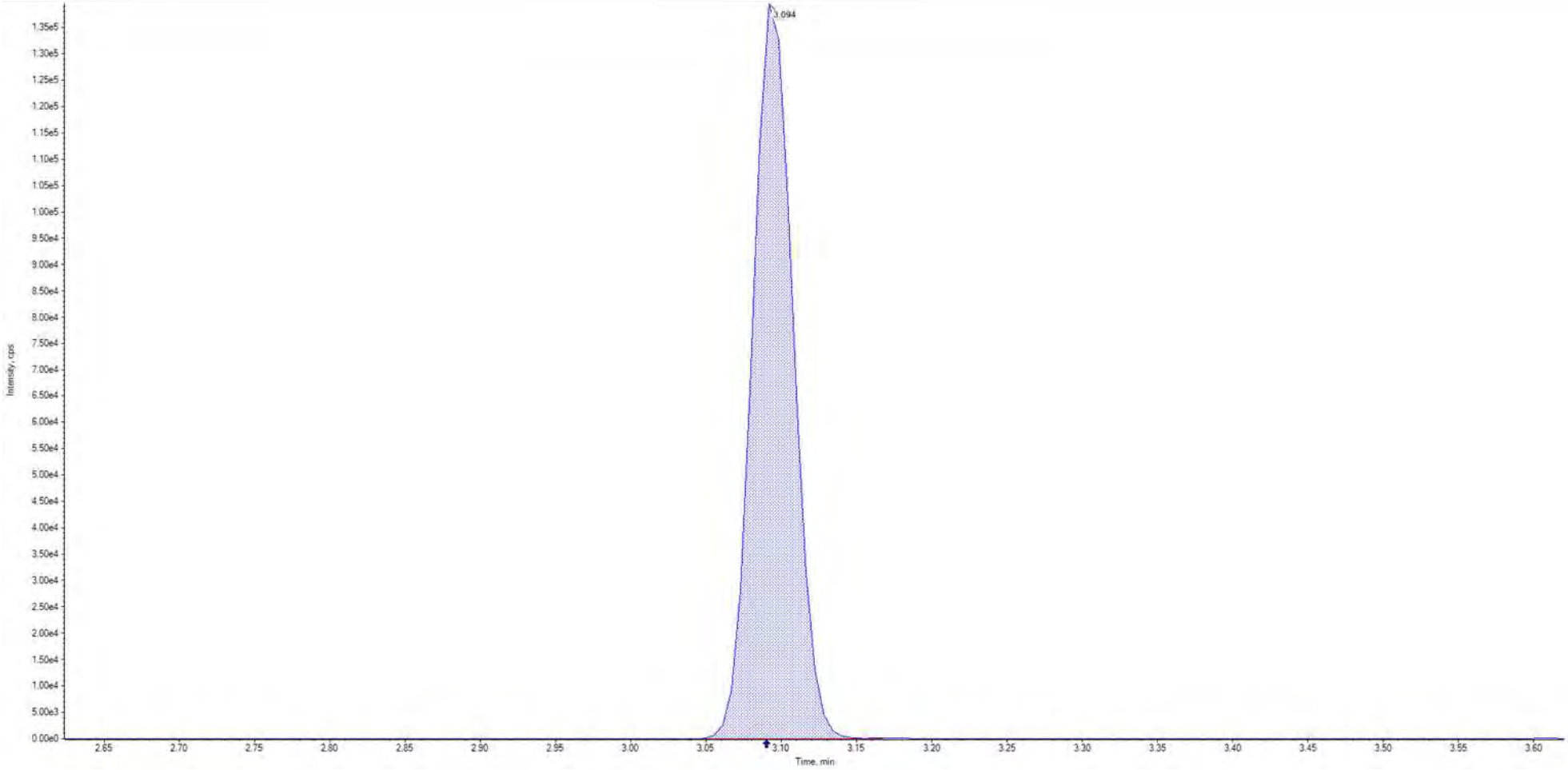


13C2-PFDA
Sample: L2512368-04



18O2-PFHxS
Sample: L2512368-04



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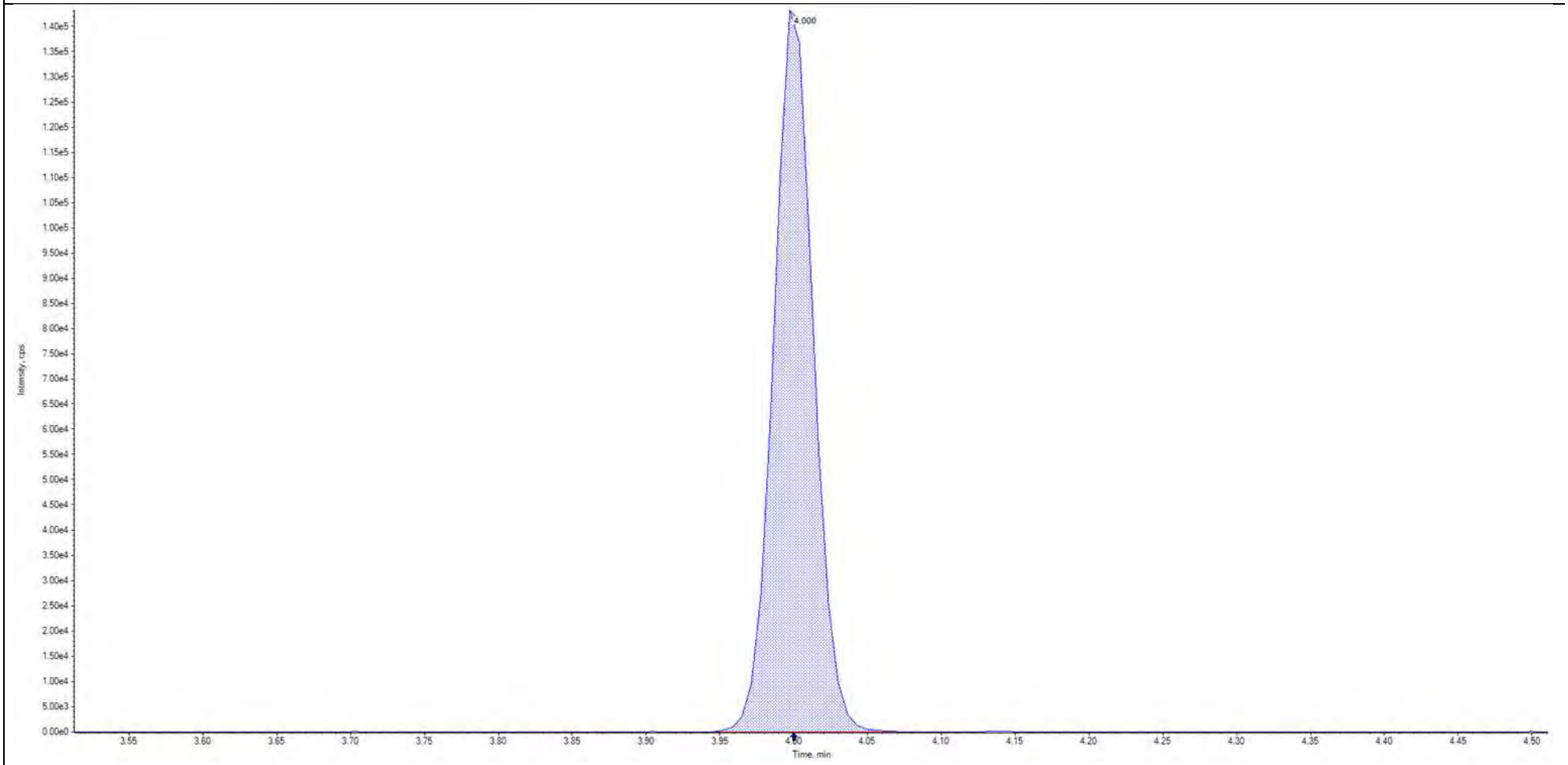
13C4-PFOS
Sample: L2512368-04



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_250303.qmethod
Calibration: 250303_1633_ICAL

ID: L2512368-10
Name: SCI09_250311_31.wiff2
Date & Time: 2025-03-11T10:33:21
Description: WG2038851,WG2037864,ICAL22044
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	0.61	213.0 / 169.0	38735	M4	0.287	N/A	N/A	N/A	N/A
2	PFPeA	2706-90-3	1.19	263.0 / 219.0	26480		0.199	0.009	N/A	N/A	N/A
3	PFPeA_2	2706-90-3	1.18	263.0 / 68.9	245	M2	0.262	0.009	N/A	N/A	N/A
4	PFHxA	307-24-4	1.94	313.0 / 269.0	42478		0.247	0.107	0.081	Pass	N/A
5	PFHxA_2	307-24-4	1.94	313.0 / 119.0	4551	M4	0.311	0.107	0.081	Pass	N/A
6	PFHpA	375-85-9	2.51	363.1 / 319.0	65374		0.260	0.408	0.373	Pass	N/A
7	PFHpA_2	375-85-9	2.51	363.1 / 169.0	26694		0.269	0.408	0.373	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	3.00	413.1 / 369.1	139400	M5	0.725	0.354	0.424	Pass	N/A
9	PFOA_2	335-67-1	3.00	413.1 / 169.0	49303	M5	0.606	0.354	0.424	Pass	N/A
10	PFNA	375-95-1	3.45	462.8 / 418.9	4508		0.037	0.553	0.493	Pass	N/A
11	PFNA_2	375-95-1	3.45	462.8 / 219.0	2493		0.043	0.553	0.493	Pass	N/A
12	PFDA	335-76-2	N/A	513.1 / 469.1	N/A		N/A	N/A	0.188	N/A	N/A
13	PFDA_2	335-76-2	N/A	513.1 / 219.0	N/A		N/A	N/A	0.188	N/A	N/A
14	PFUnA	2058-94-8	N/A	563.1 / 519.1	N/A		N/A	N/A	0.146	N/A	N/A
15	PFUnA_2	2058-94-8	N/A	563.1 / 269.0	N/A		N/A	N/A	0.146	N/A	N/A
16	PFDoA	307-55-1	N/A	613.1 / 569.1	N/A		N/A	N/A	0.142	N/A	N/A
17	PFDoA_2	307-55-1	N/A	613.1 / 319.0	N/A		N/A	N/A	0.142	N/A	N/A
18	PFTrDA	72629-94-8	N/A	663.1 / 619.1	N/A		N/A	N/A	0.152	N/A	N/A
19	PFTrDA_2	72629-94-8	N/A	663.1 / 169.0	N/A		N/A	N/A	0.152	N/A	N/A
20	PFTeDA	376-06-7	N/A	713.1 / 669.1	N/A		N/A	N/A	0.154	N/A	N/A
21	PFTeDA_2	376-06-7	N/A	713.1 / 169.0	N/A		N/A	N/A	0.154	N/A	N/A
22	PFBS	375-73-5	1.94	299.1 / 80.1	44345		0.291	0.360	0.374	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	1.93	299.1 / 99.1	15983		0.301	0.360	0.374	Pass	N/A
24	PFPeS	2706-91-4	2.57	349.1 / 80.1	4113		0.030	0.202	0.314	Pass	N/A
25	PFPeS_2	2706-91-4	2.57	349.1 / 99.1	830	M2	0.019	0.202	0.314	Pass	N/A
26	PFHxS	355-46-4	3.11	399.1 / 80.1	19029	M5	0.151	0.283	0.306	Pass	N/A
27	PFHxS_2	355-46-4	3.11	399.1 / 99.1	5385	M5	0.148	0.283	0.306	Pass	N/A
28	PFHpS	375-92-8	N/A	449.1 / 80.1	N/A		N/A	N/A	0.316	N/A	N/A
29	PFHpS_2	375-92-8	N/A	449.1 / 99.1	N/A		N/A	N/A	0.316	N/A	N/A
30	PFOS	1763-23-1	4.02	499.1 / 80.1	20699	M5	0.159	0.305	0.244	Pass	N/A
31	PFOS_2	1763-23-1	4.01	499.1 / 99.1	6307	M5	0.193	0.305	0.244	Pass	N/A
32	PFNS	68259-12-1	N/A	549.1 / 80.1	N/A		N/A	N/A	0.294	N/A	N/A
33	PFNS_2	68259-12-1	N/A	549.1 / 99.1	N/A		N/A	N/A	0.294	N/A	N/A
34	PFDS	335-77-3	N/A	599.1 / 80.1	N/A		N/A	N/A	0.290	N/A	N/A
35	PFDS_2	335-77-3	N/A	599.1 / 99.1	N/A		N/A	N/A	0.290	N/A	N/A
36	PFDoS	79780-39-5	N/A	699.2 / 80.1	N/A		N/A	N/A	0.256	N/A	N/A
37	PFDoS_2	79780-39-5	N/A	699.2 / 99.1	N/A		N/A	N/A	0.256	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	0.650	N/A	N/A
39	4:2FTS_2	757124-72-4	N/A	327.1 / 81.1	N/A		N/A	N/A	0.650	N/A	N/A
40	6:2FTS	27619-97-2	N/A	427.2 / 407.2	N/A		N/A	N/A	0.620	N/A	N/A
41	6:2FTS_2	27619-97-2	N/A	427.2 / 81.1	N/A		N/A	N/A	0.620	N/A	N/A
42	8:2FTS	39108-34-4	N/A	527.2 / 507.2	N/A		N/A	N/A	0.676	N/A	N/A
43	8:2FTS_2	39108-34-4	N/A	527.2 / 81.1	N/A		N/A	N/A	0.676	N/A	N/A
44	PFOSA	754-91-6	N/A	498.1 / 78.1	N/A		N/A	N/A	0.026	N/A	N/A
45	PFOSA_2	754-91-6	N/A	498.1 / 478.0	N/A		N/A	N/A	0.026	N/A	N/A
46	NMeFOSA	31506-32-8	N/A	512.2 / 219.0	N/A		N/A	N/A	1.377	N/A	N/A
47	NMeFOSA_2	31506-32-8	N/A	512.2 / 169.0	N/A		N/A	N/A	1.377	N/A	N/A
48	NEtFOSA	4151-50-2	N/A	526.2 / 219.0	N/A		N/A	N/A	1.292	N/A	N/A
49	NEtFOSA_2	4151-50-2	N/A	526.2 / 169.0	N/A		N/A	N/A	1.292	N/A	N/A
50	NMeFOSAA	2355-31-9	N/A	570.2 / 419.1	N/A		N/A	N/A	0.697	N/A	N/A
51	NMeFOSAA_2	2355-31-9	N/A	570.2 / 483.0	N/A		N/A	N/A	0.697	N/A	N/A
52	NEtFOSAA	2991-50-6	N/A	584.2 / 419.1	N/A		N/A	N/A	0.557	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	0.557	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	0.501	N/A	N/A
57	HFPO-DA_2	13252-13-6	N/A	285.0 / 184.9	N/A		N/A	N/A	0.501	N/A	N/A
58	ADONA	919005-14-4	N/A	376.9 / 251.0	N/A		N/A	N/A	0.691	N/A	N/A
59	ADONA_2	919005-14-4	N/A	376.9 / 84.8	N/A		N/A	N/A	0.691	N/A	N/A
60	9Cl-PF3ONS	756426-58-1	N/A	530.8 / 351.1	N/A		N/A	N/A	0.332	N/A	N/A
61	9Cl-PF3ONS_2	756426-58-1	N/A	532.8 / 353.0	N/A		N/A	N/A	0.332	N/A	N/A
62	11Cl-PF3OUdS	763051-92-9	N/A	630.9 / 451.0	N/A		N/A	N/A	0.322	N/A	N/A
63	11Cl-PF3OUdS_2	763051-92-9	N/A	632.9 / 452.9	N/A		N/A	N/A	0.322	N/A	N/A
64	3:3FTCA	356-02-5	N/A	241.1 / 177.1	N/A		N/A	N/A	1.010	N/A	N/A
65	3:3FTCA_2	356-02-5	N/A	241.1 / 117.0	N/A		N/A	N/A	1.010	N/A	N/A
66	5:3FTCA	914637-49-3	N/A	341.1 / 237.1	N/A		N/A	N/A	1.017	N/A	N/A
67	5:3FTCA_2	914637-49-3	N/A	341.1 / 217.0	N/A		N/A	N/A	1.017	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	1.343	N/A	N/A
69	7:3FTCA_2	812-70-4	N/A	441.1 / 337.1	N/A		N/A	N/A	1.343	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	5.680	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	5.680	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	0.60	217.0 / 172.0	1510706		9.459	NA	NA	NA	94.6

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C5-PFPeA	EIS	1.19	268.0 / 223.0	693114		4.377	NA	NA	NA	87.5
13C5-PFHxA	EIS	1.93	318.0 / 273.0	335661		2.255	NA	NA	NA	90.2
13C4-PFHpA	EIS	2.51	367.0 / 322.0	432913		3.015	NA	NA	NA	120.6
13C8-PFOA	EIS	3.00	420.8 / 376.0	562508		2.243	NA	NA	NA	89.7
13C9-PFNA	EIS	3.44	472.0 / 427.0	223289		1.067	NA	NA	NA	85.3
13C6-PFDA	EIS	3.86	519.0 / 474.0	235355		0.990	NA	NA	NA	79.2
13C7-PFUnA	EIS	4.27	570.0 / 525.0	245279		0.935	NA	NA	NA	74.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.65	615.1 / 570.0	236057		0.894	NA	NA	NA	71.5
	13C2-PFTeDA	EIS	5.40	715.1 / 670.1	159854		0.934	NA	NA	NA	74.7
	13C3-PFBS	EIS	1.93	302.1 / 80.1	333854		2.259	NA	NA	NA	97.0
	13C3-PFHxS	EIS	3.10	402.1 / 80.1	287694		2.191	NA	NA	NA	92.4
	13C8-PFOS	EIS	4.01	507.1 / 80.1	272564		2.061	NA	NA	NA	85.9
	13C2-4:2FTS	EIS	1.72	329.1 / 81.1	91052		4.178	NA	NA	NA	89.1
	13C2-6:2FTS	EIS	2.82	429.2 / 81.1	77326		4.121	NA	NA	NA	86.6
	13C2-8:2FTS	EIS	3.68	529.2 / 81.1	68951		3.918	NA	NA	NA	81.6

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C8-PFOSA	EIS	5.25	506.1 / 78.1	431072		2.053	NA	NA	NA	82.1
d3-NMeFOSA	EIS	5.97	515.2 / 219.0	74488		1.964	NA	NA	NA	78.6
d5-NEtFOSA	EIS	6.26	531.2 / 219.0	68232		1.979	NA	NA	NA	79.2
d3-NMeFOSAA	EIS	3.99	573.2 / 419.1	95811		3.709	NA	NA	NA	74.2
d5-NEtFOSAA	EIS	4.20	589.3 / 419.1	85243		4.047	NA	NA	NA	80.9
d7-NMeFOSE	EIS	5.83	623.2 / 58.9	550547		20.186	NA	NA	NA	80.7
d9-NEtFOSE	EIS	6.12	639.2 / 58.9	758812		20.740	NA	NA	NA	83.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.14	287.0 / 169.0	1362911		8.655	NA	NA	NA	86.6
	13C3-PFBA	NIS	0.60	216.0 / 172.0	706681		4.876	NA	NA	NA	97.5
	13C2-PFHxA	NIS	1.93	315.0 / 270.0	438369		2.705	NA	NA	NA	108.2
	13C4-PFOA	NIS	3.00	417.0 / 372.0	381193		2.652	NA	NA	NA	106.1
	13C5-PFNA	NIS	3.44	468.0 / 423.0	262183		1.272	NA	NA	NA	101.8
	13C2-PFDA	NIS	3.86	515.1 / 470.1	277569		1.305	NA	NA	NA	104.4
	18O2-PFHxS	NIS	3.10	403.1 / 84.1	276190		2.346	NA	NA	NA	99.0
	13C4-PFOS	NIS	4.01	503.1 / 80.1	266091		2.213	NA	NA	NA	92.2

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

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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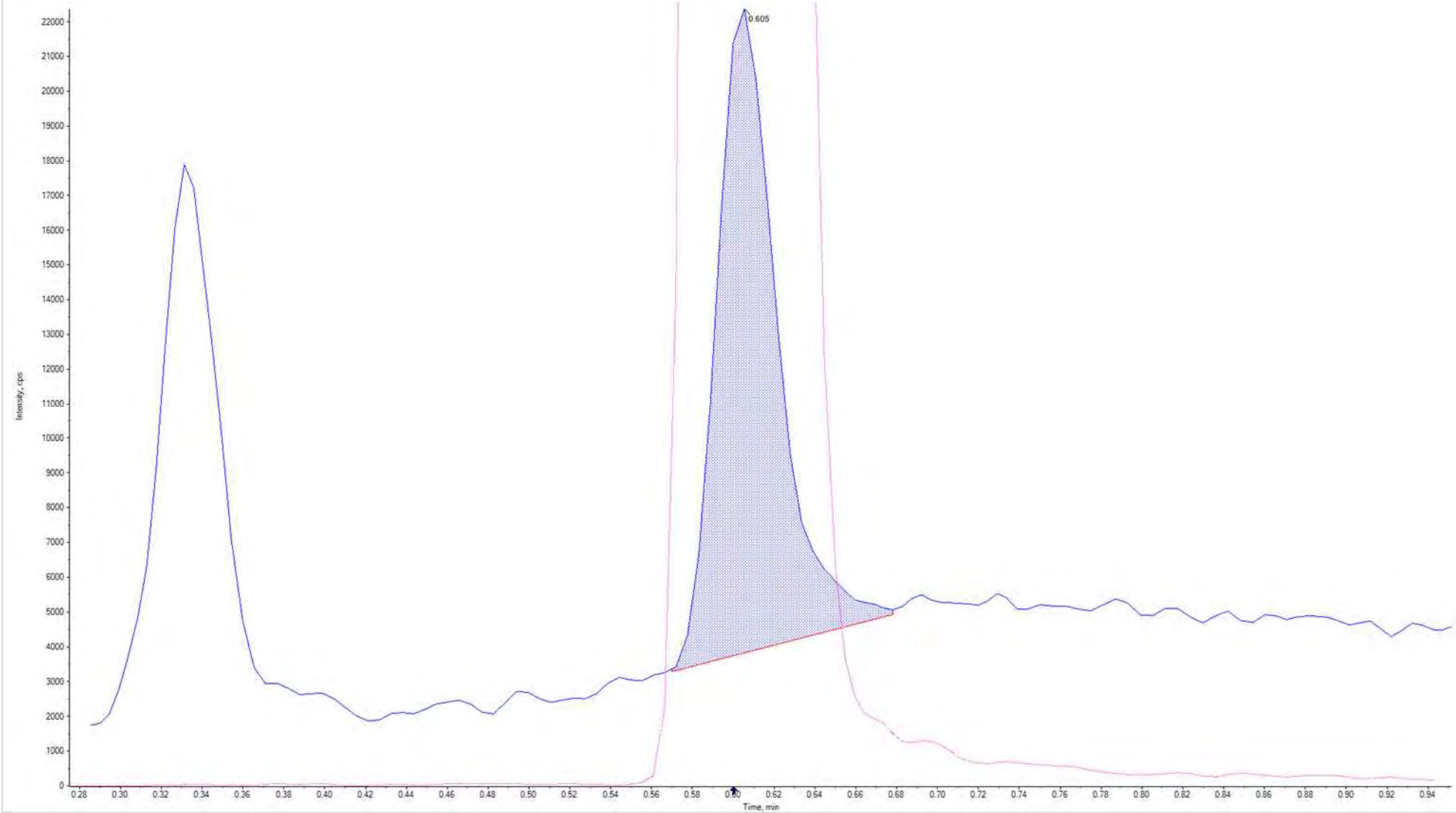
PFBA
Sample: L2512368-10 S/N:86.1 Points Across peak:23



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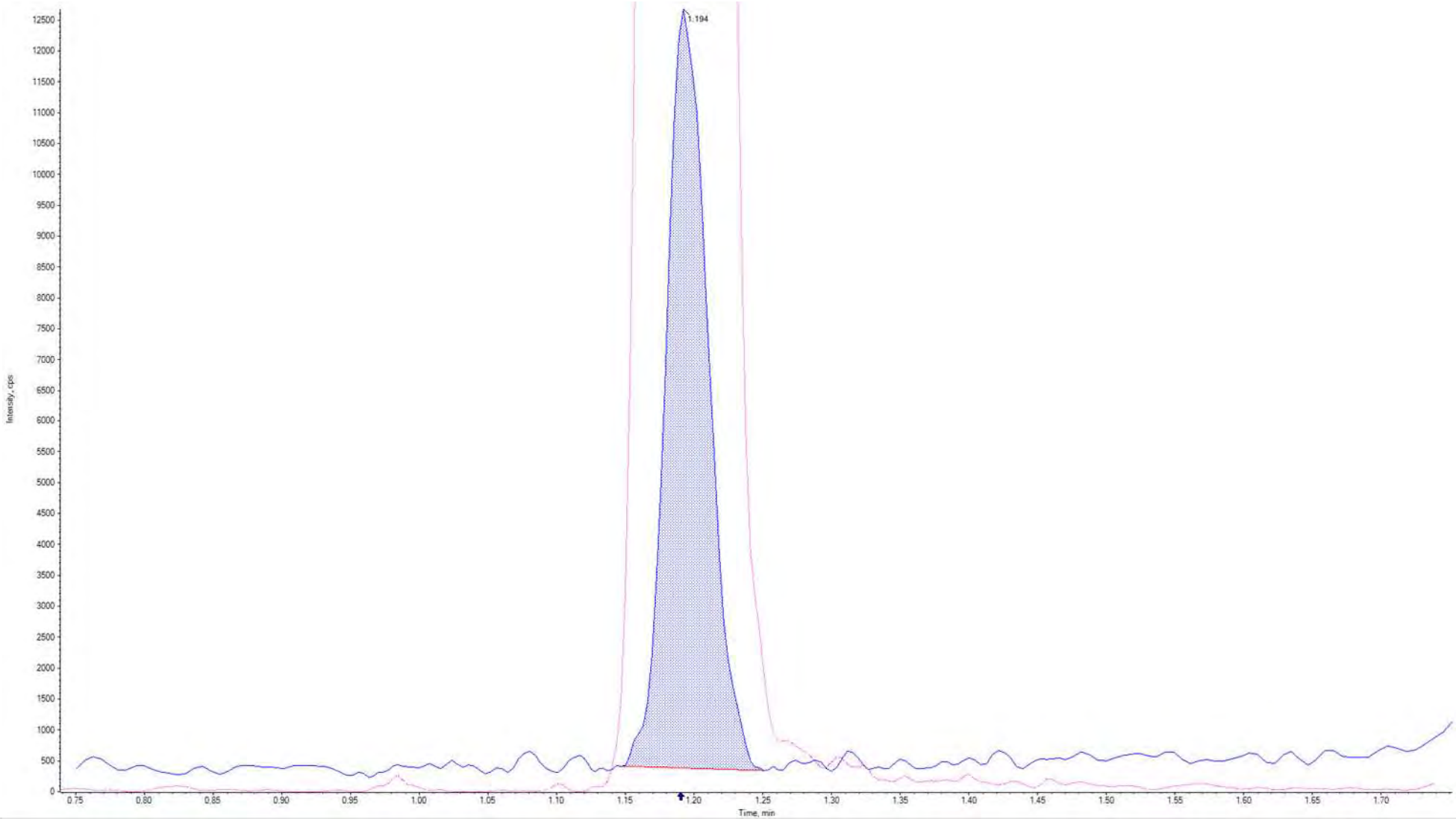
PFPeA
Sample: L2512368-10 S/N:296.4 Points Across peak:33



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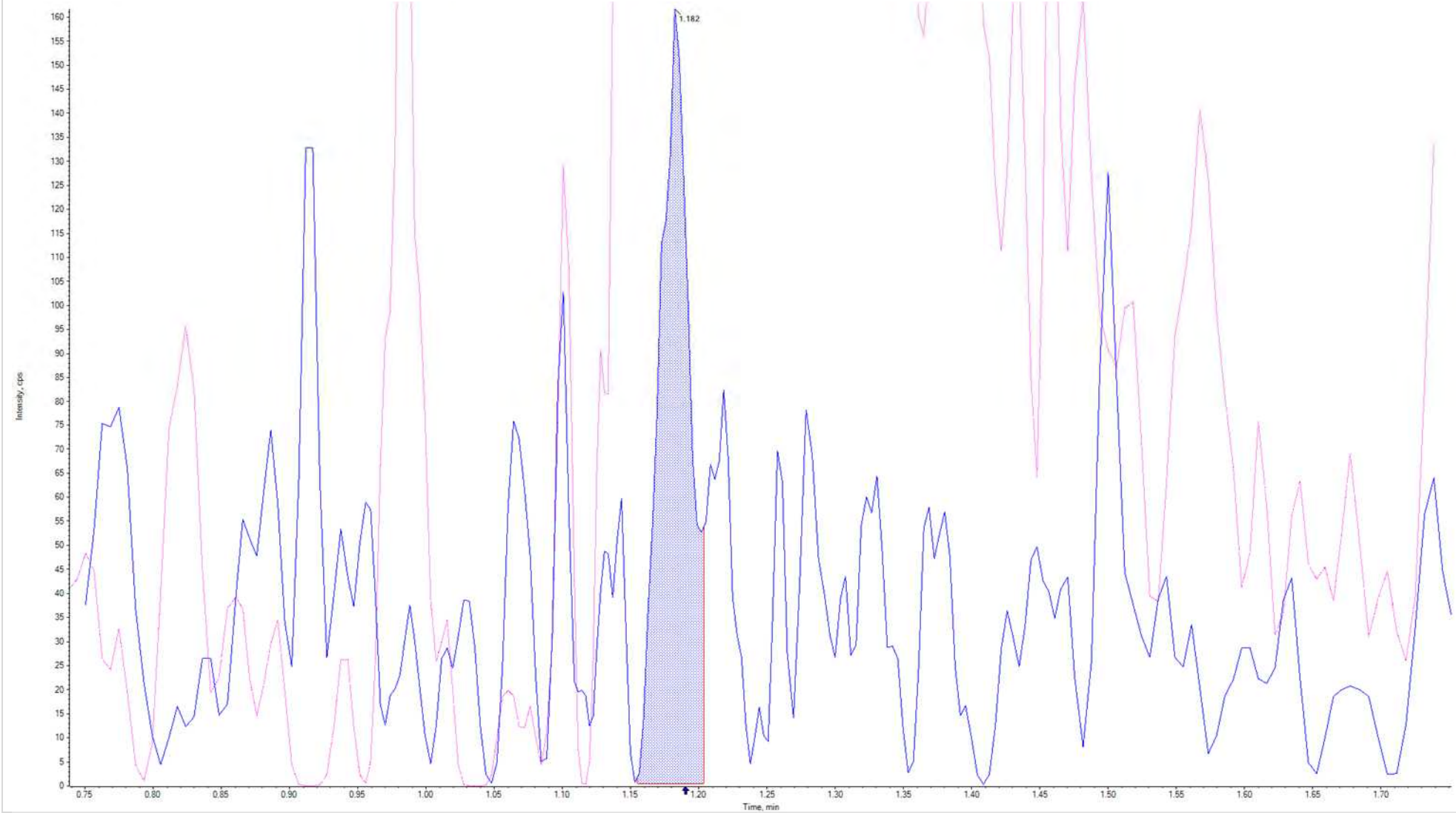
PFPeA_2
Sample: L2512368-10 S/N:9.7 Points Across peak:17



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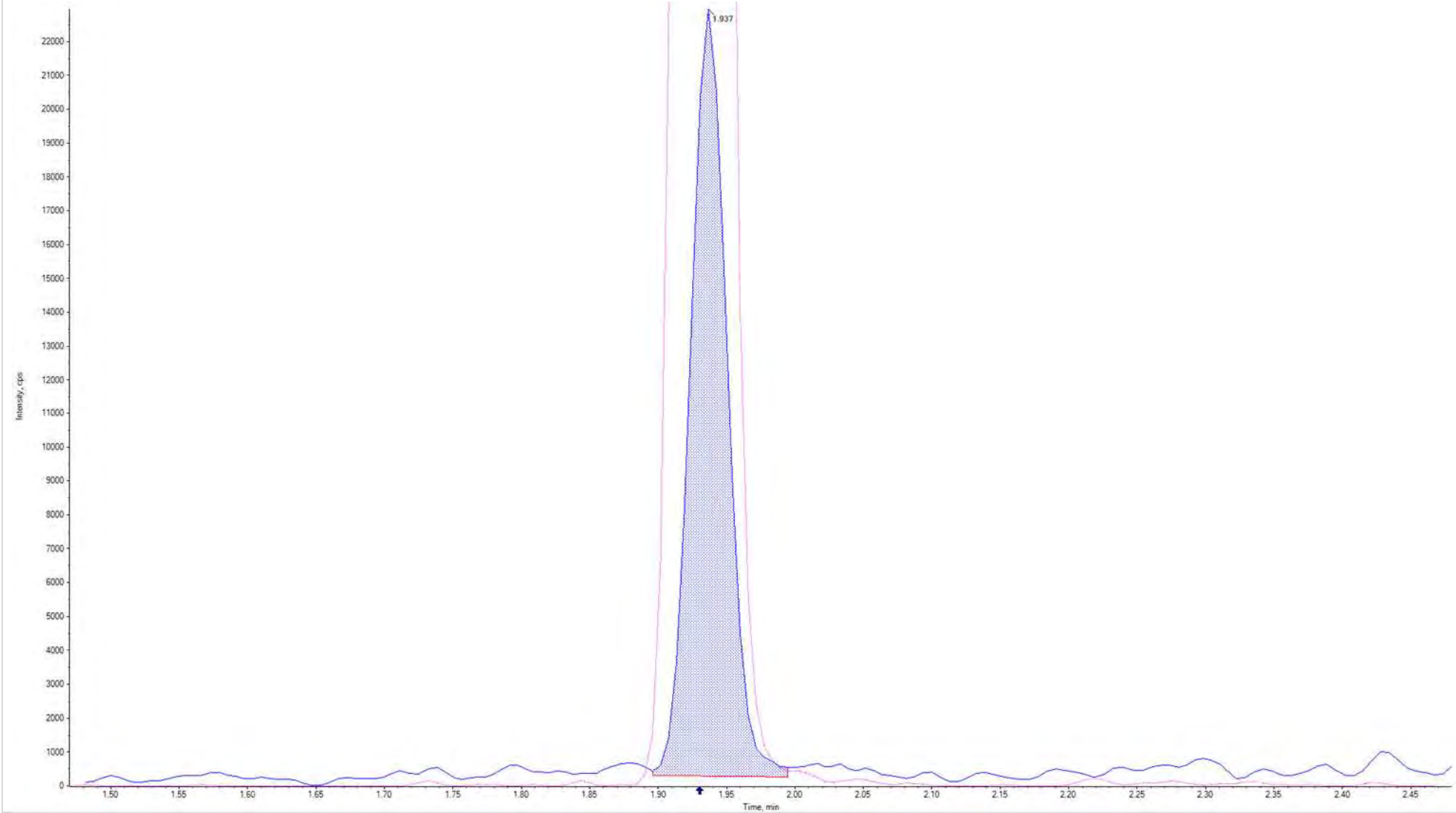
PFHxA
Sample: L2512368-10 S/N:568.1 Points Across peak:18



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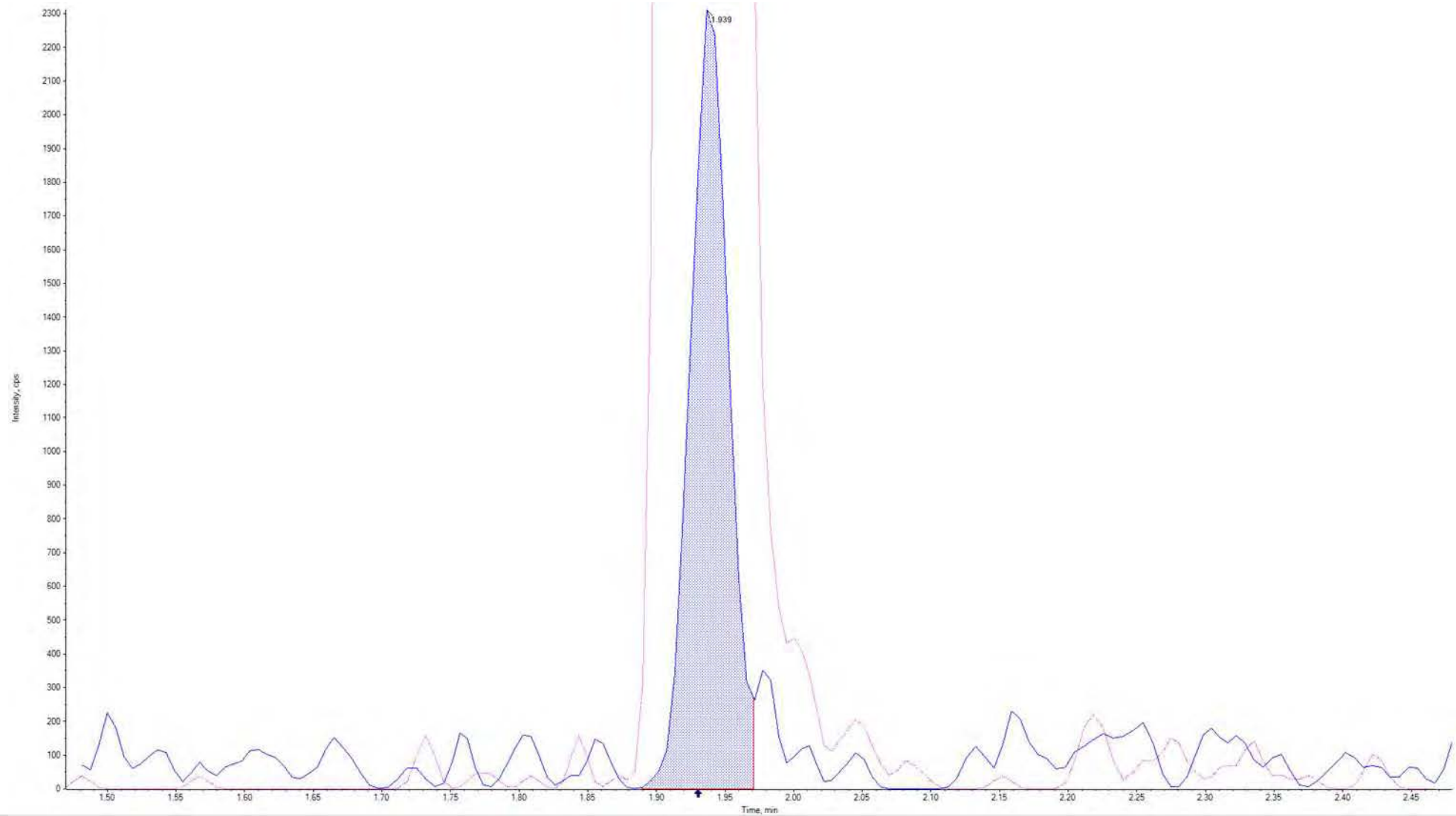
PFHxA_2
Sample: L2512368-10 S/N:57.9 Points Across peak:16



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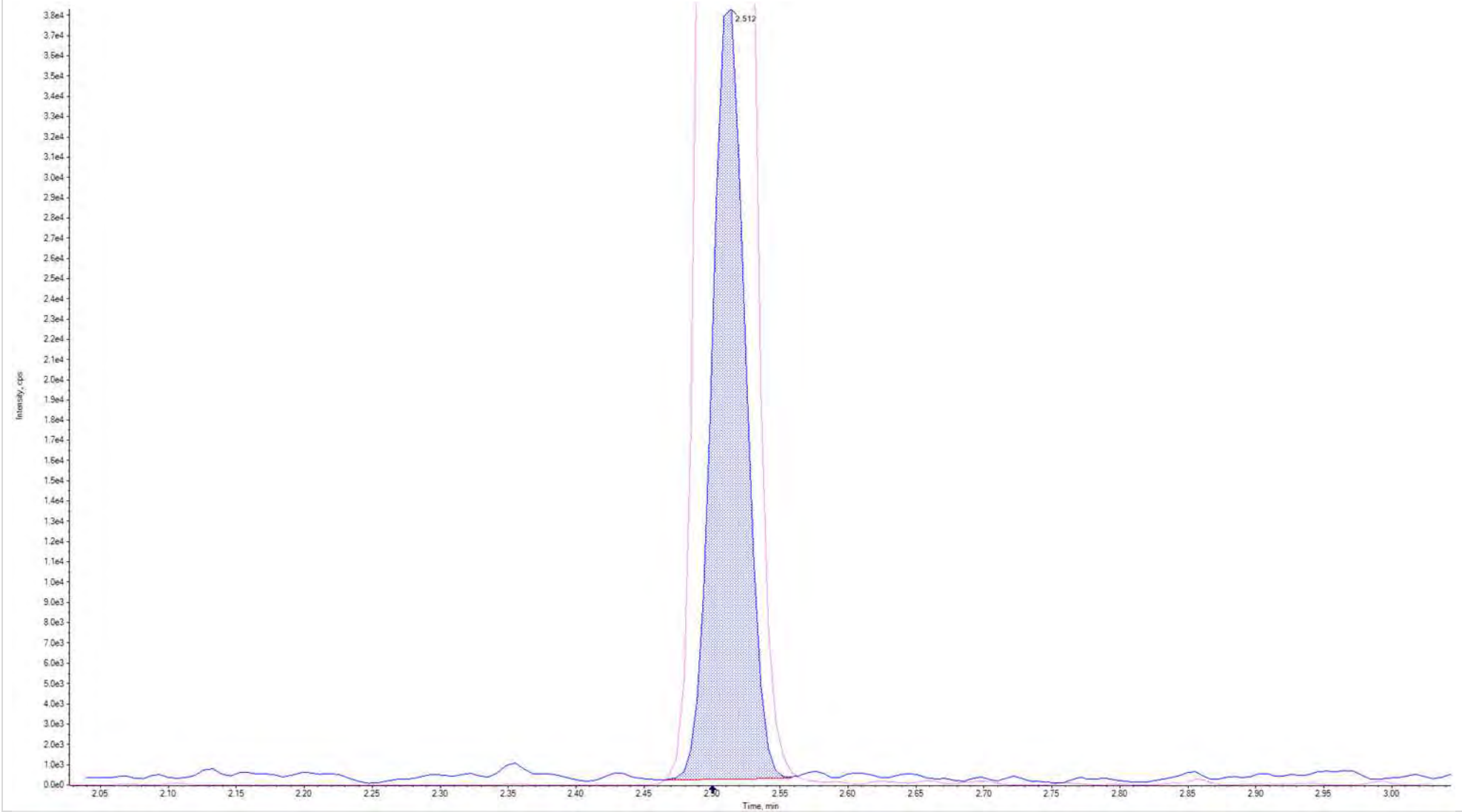
PFHpA
Sample: L2512368-10 S/N:762.3 Points Across peak:19



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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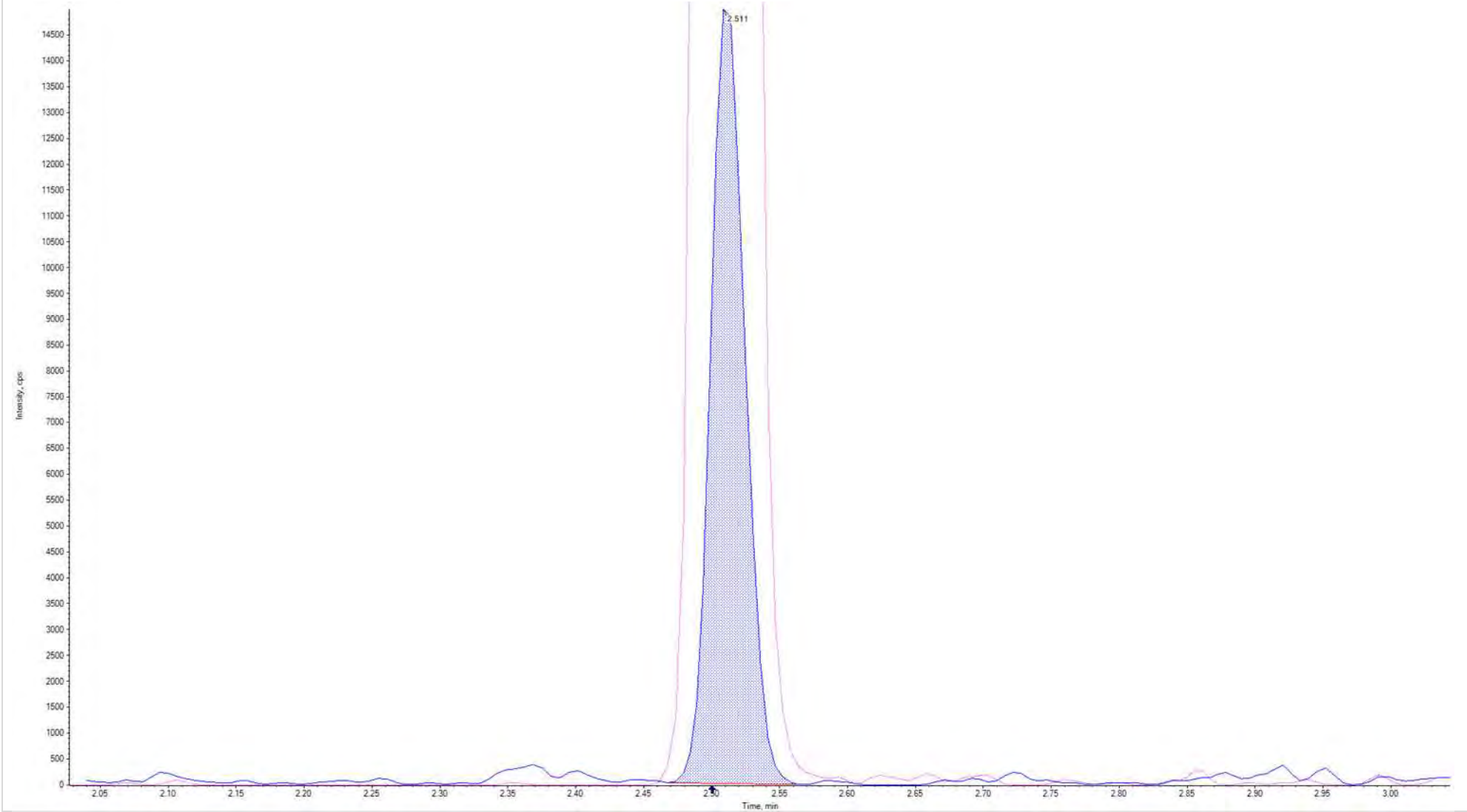
PFHpA_2
Sample: L2512368-10 S/N:300.2 Points Across peak:19



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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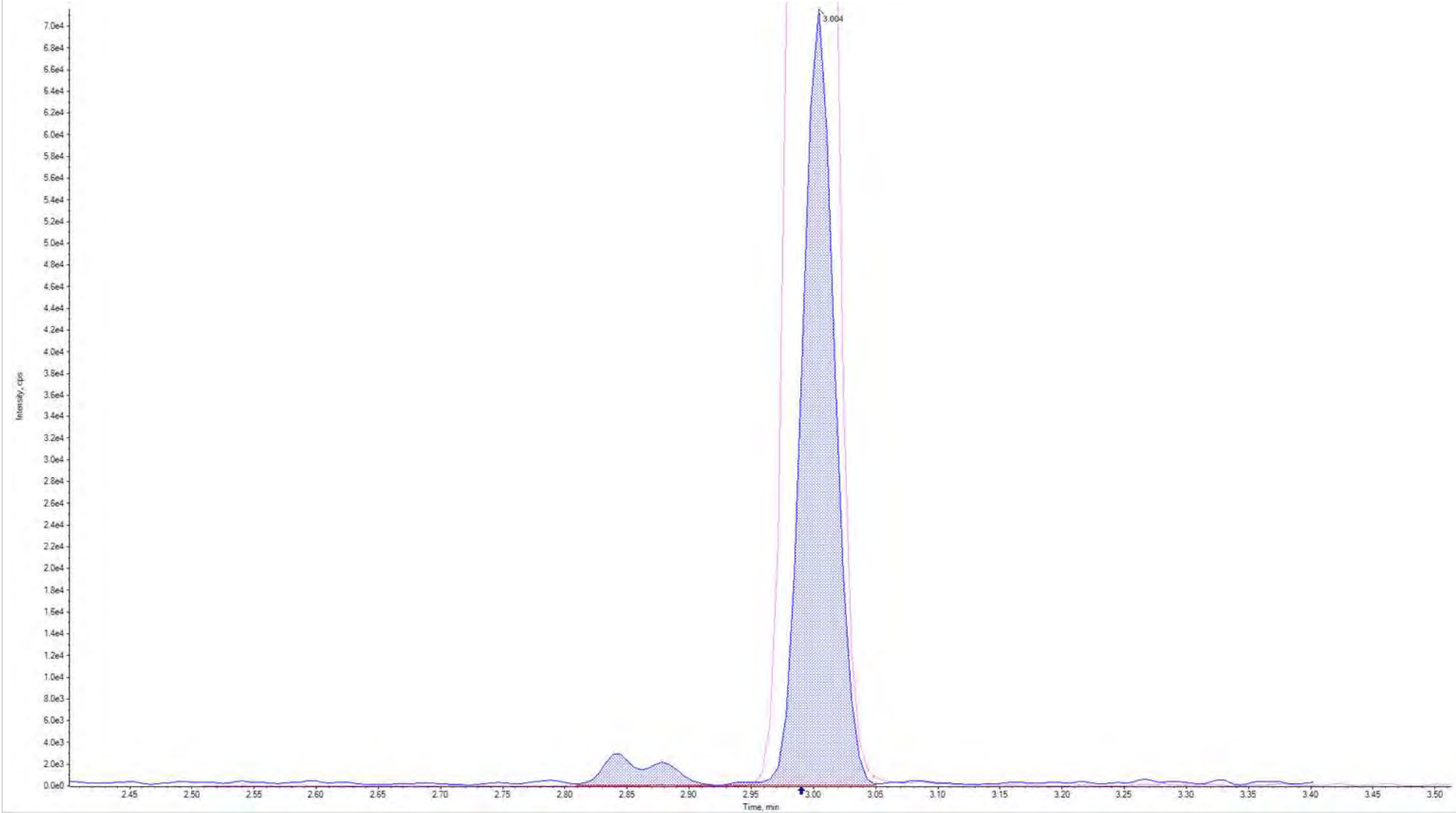
PFOA
Sample: L2512368-10 S/N:561.9 Points Across peak:42



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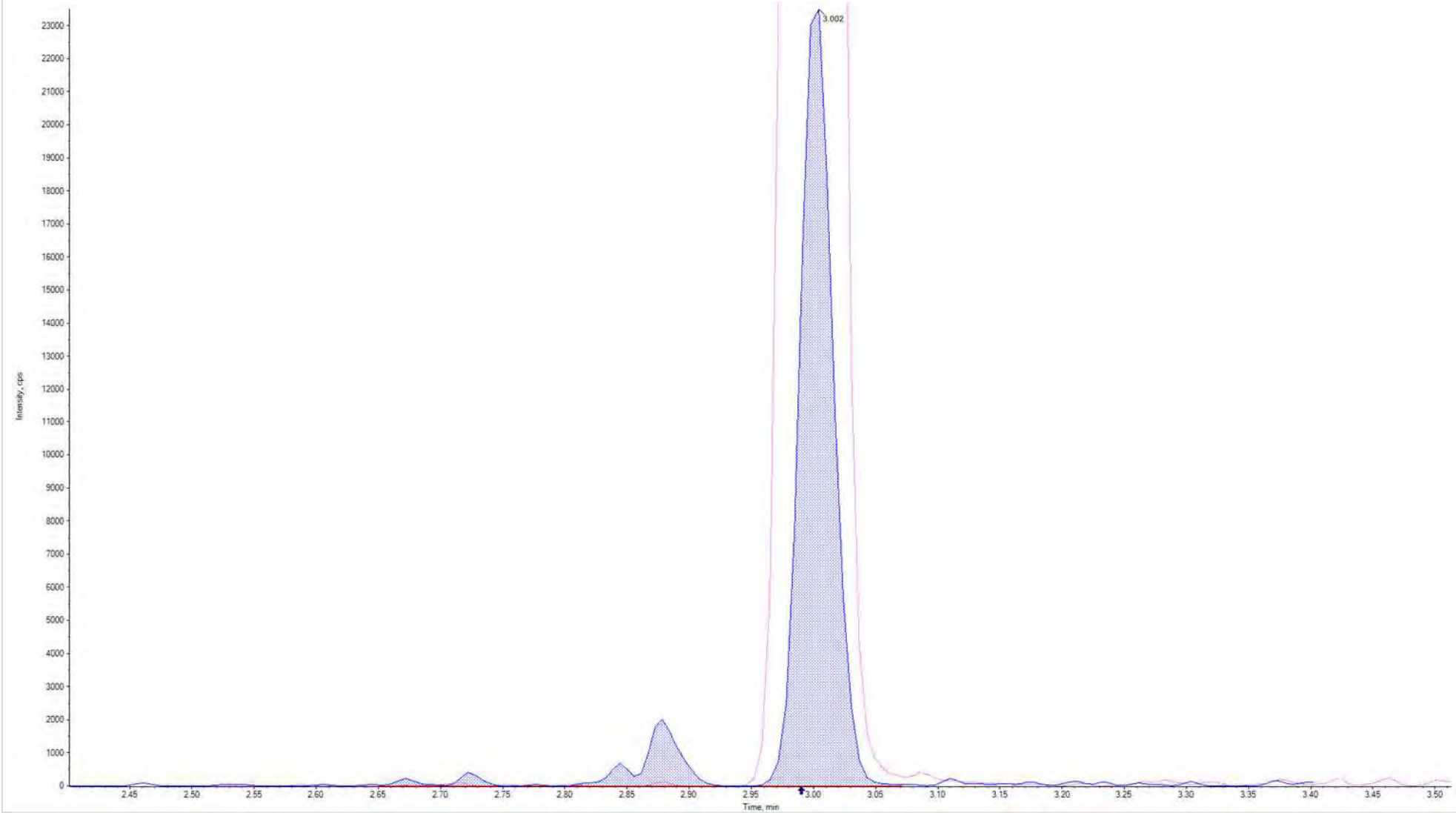
PFOA_2
Sample: L2512368-10 S/N:408.7 Points Across peak:71



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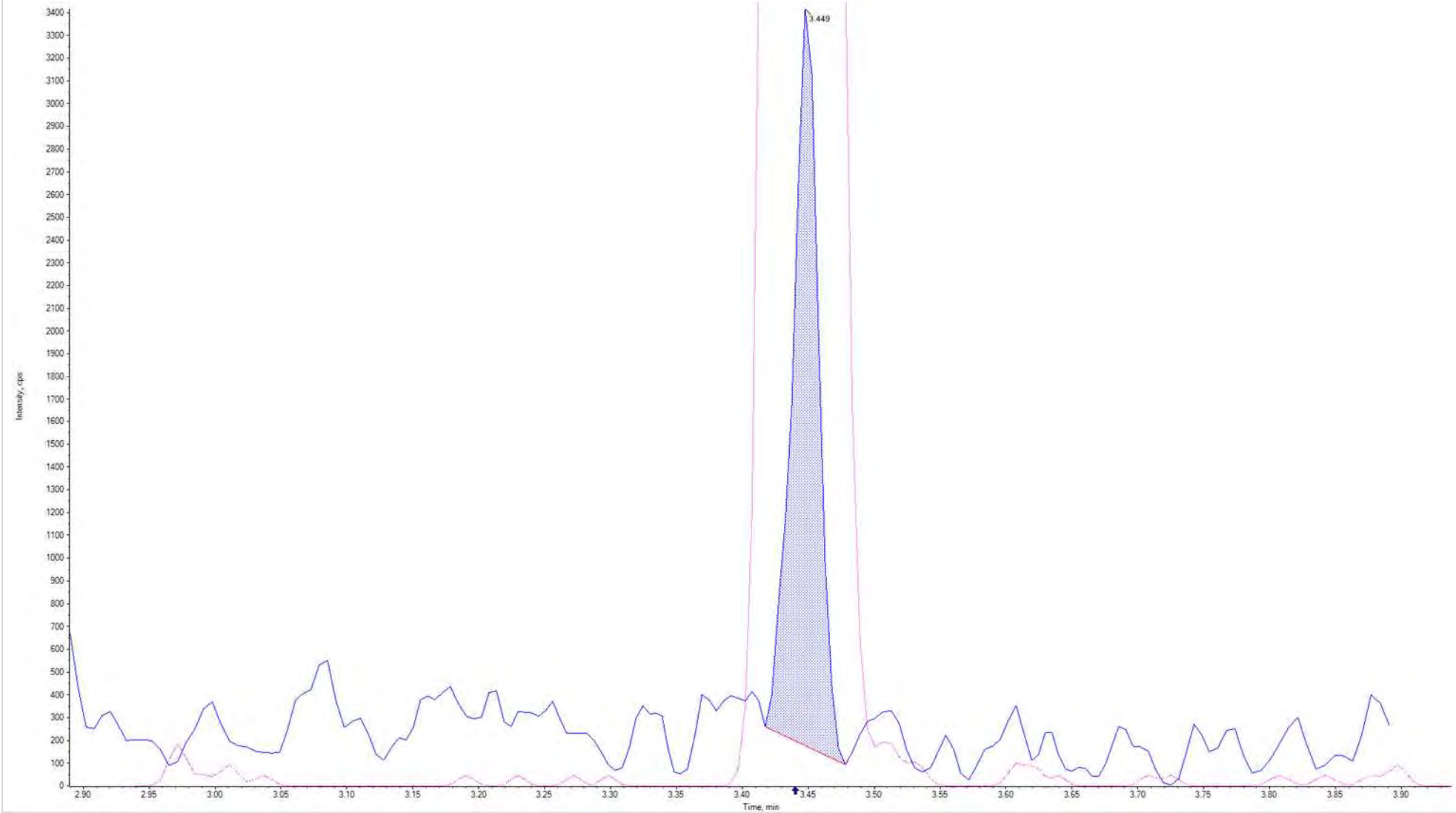
PFNA
Sample: L2512368-10 S/N:45.8 Points Across peak:13



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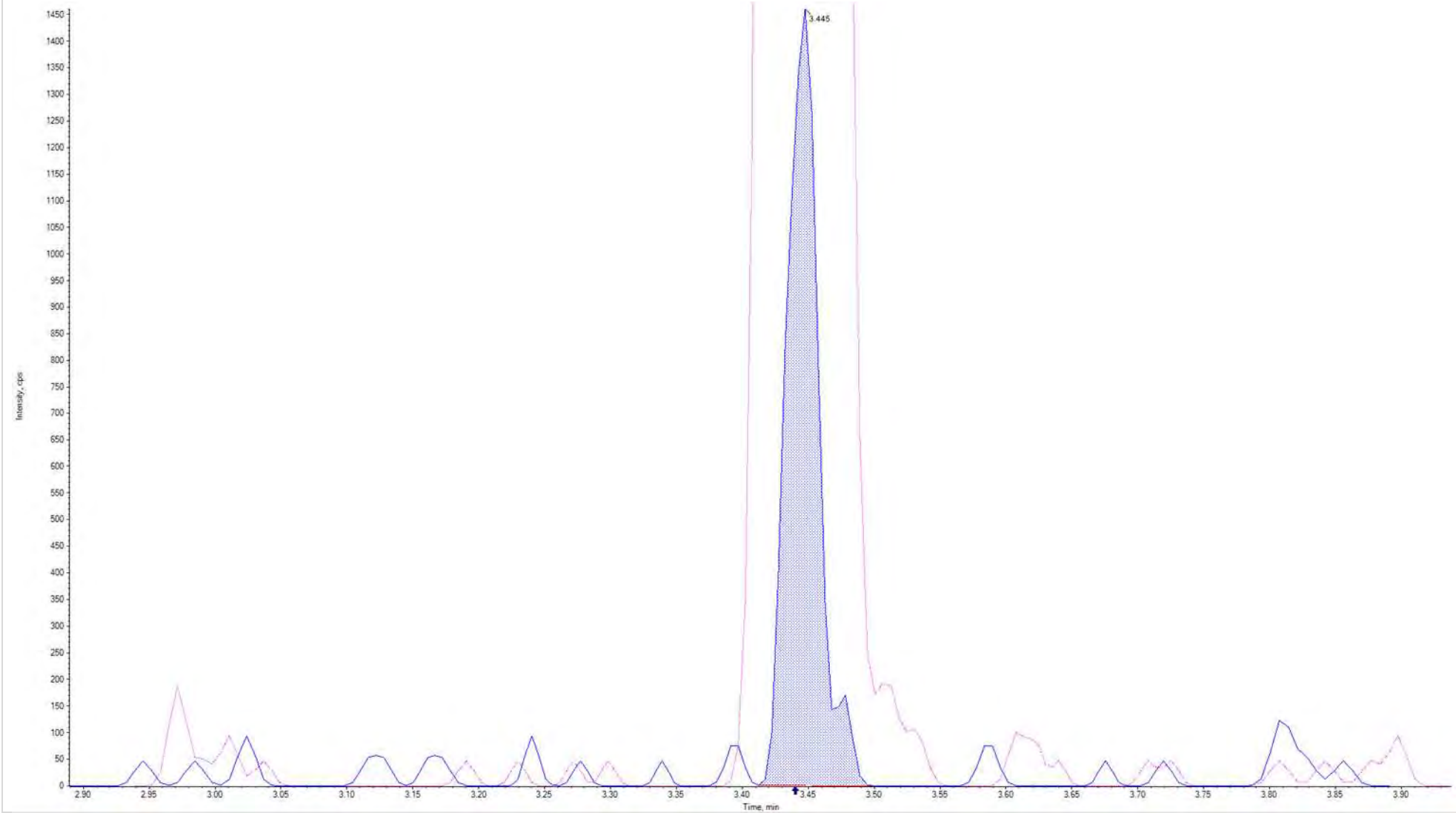
PFNA_2
Sample: L2512368-10 S/N:32.9 Points Across peak:18



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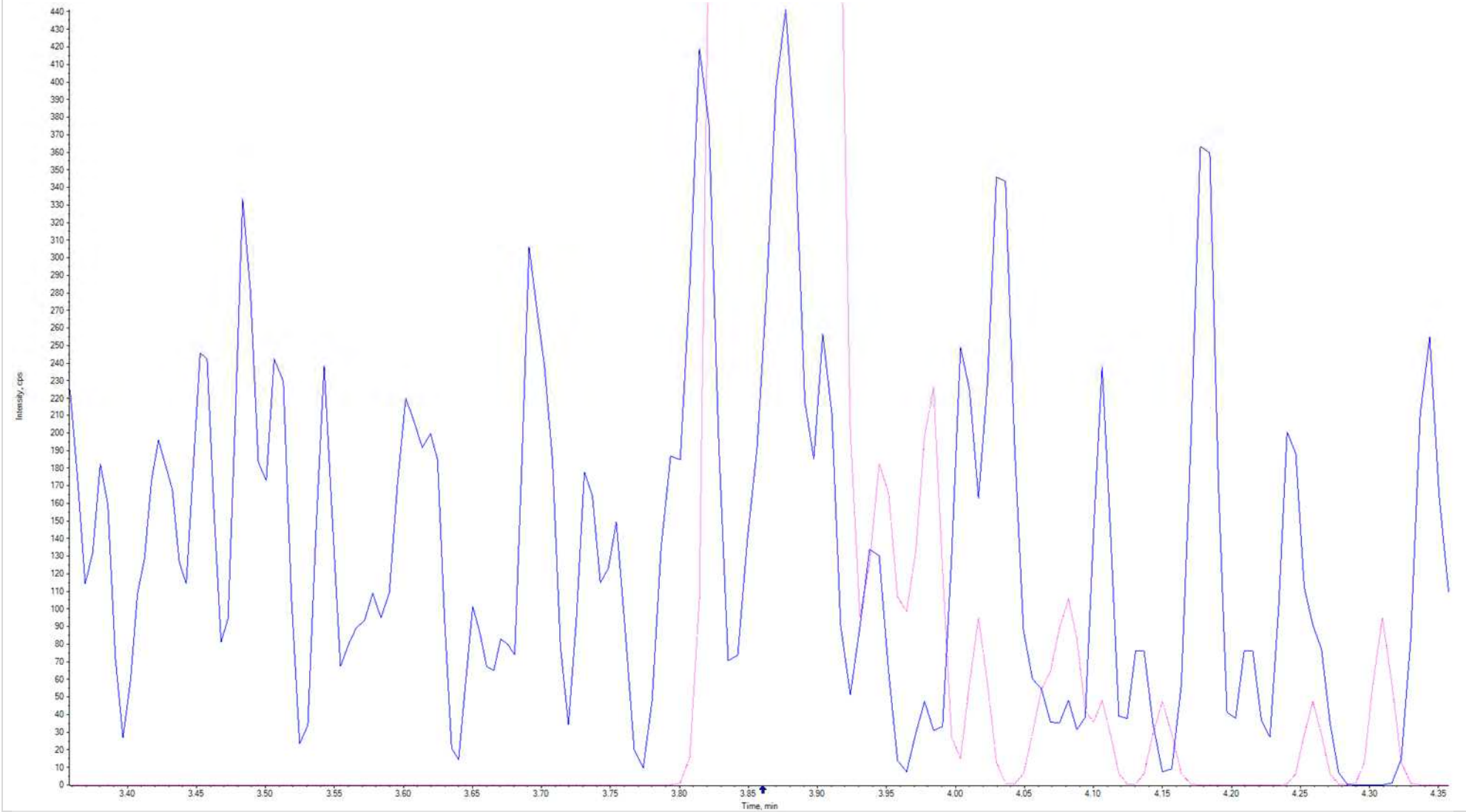
PFDA
Sample: L2512368-10 S/N:N/A Points Across peak:N/A



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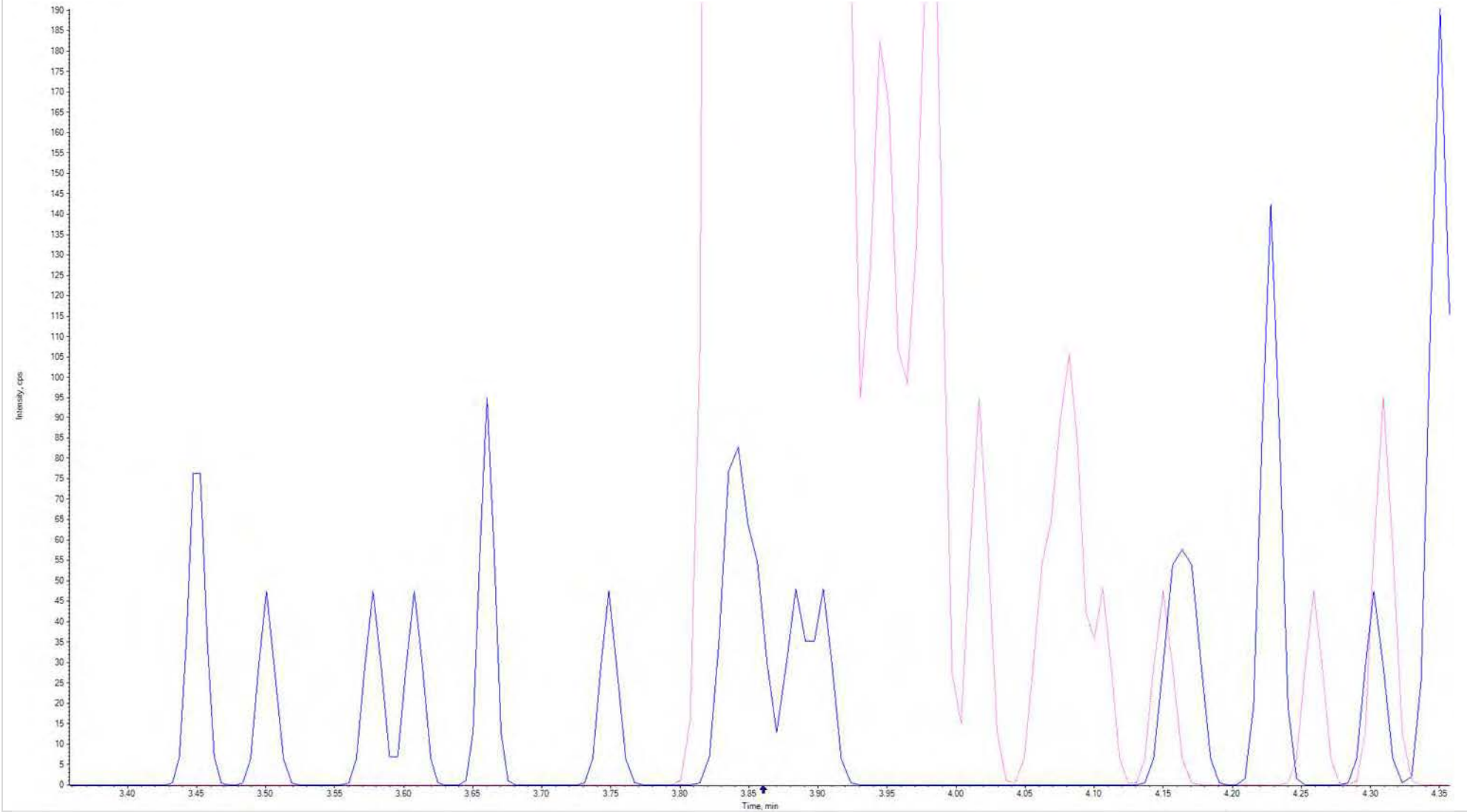
PFDA_2
Sample: L2512368-10 S/N:N/A Points Across peak:N/A



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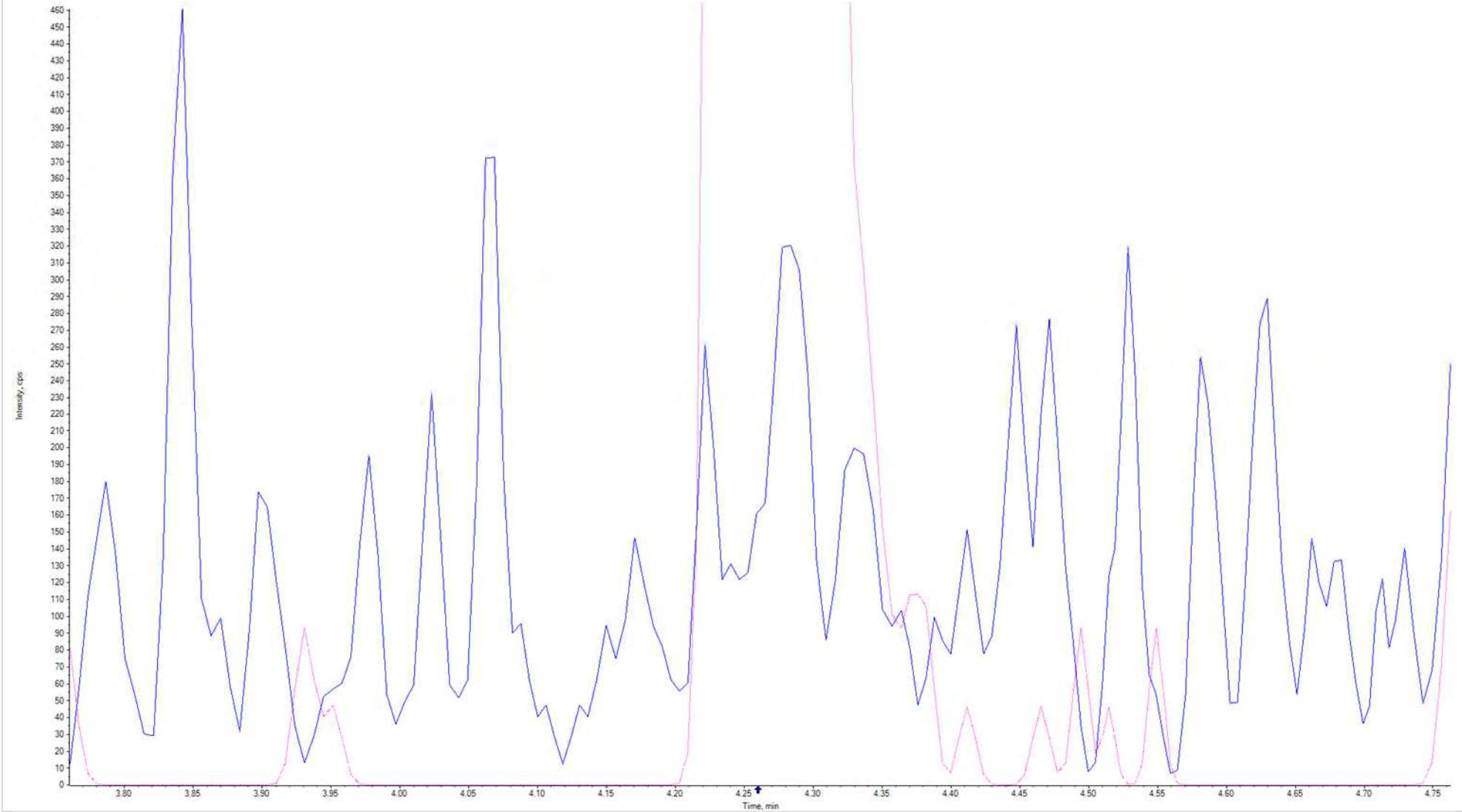
PFUnA
Sample: L2512368-10 S/N:N/A Points Across peak:N/A



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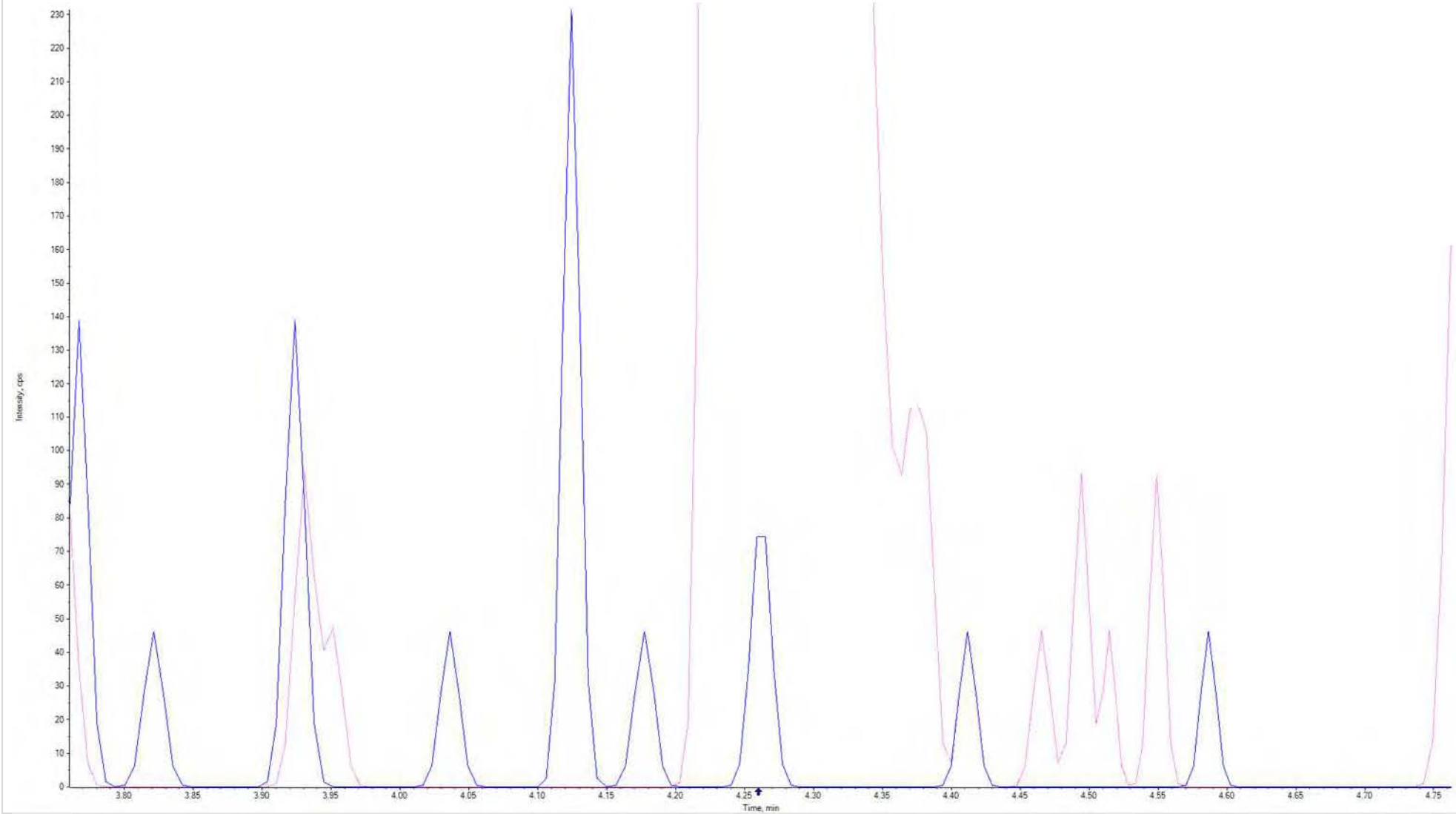
PFUnA_2
Sample: L2512368-10 S/N:N/A Points Across peak:N/A



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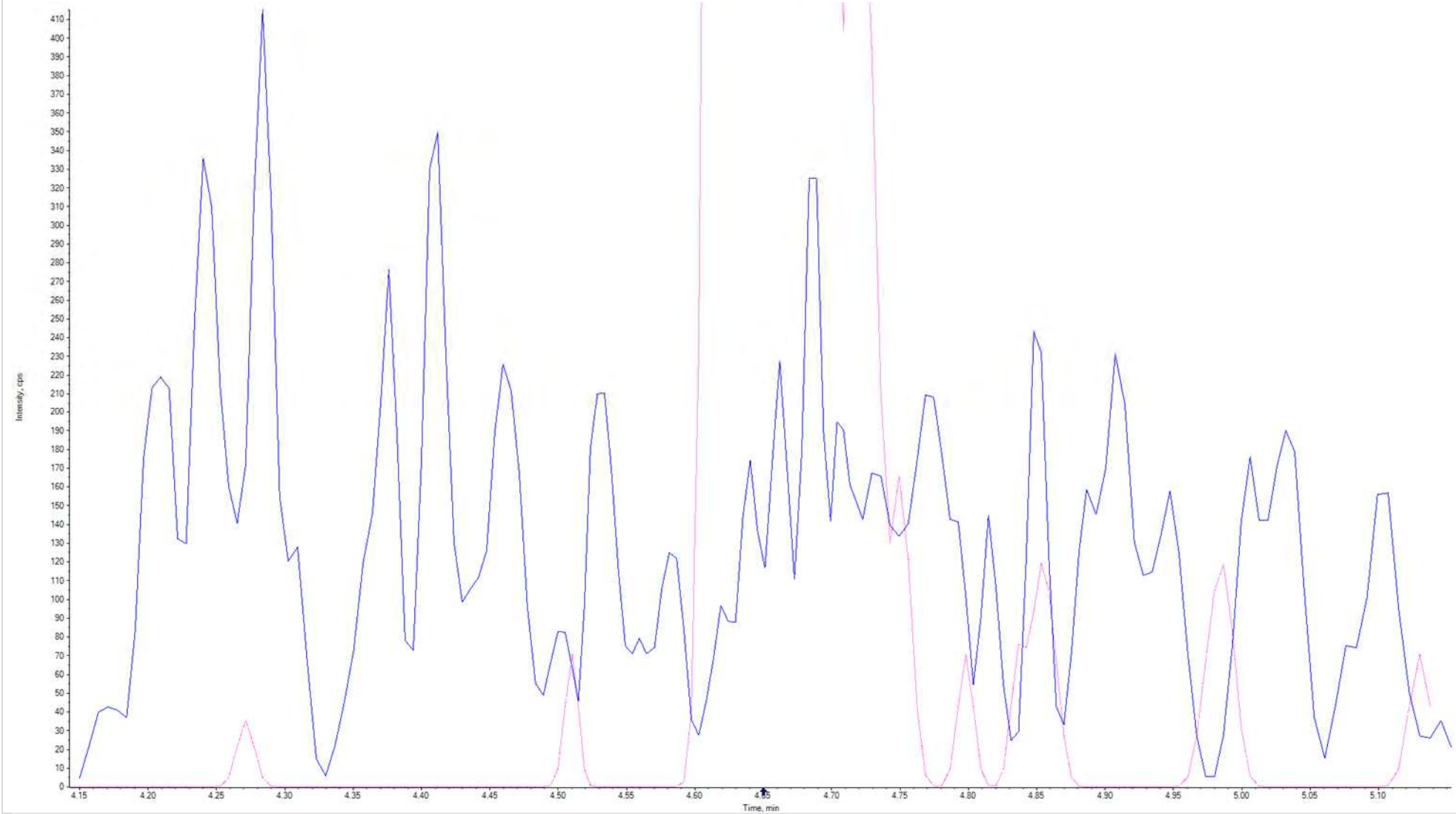
PFDoA
Sample: L2512368-10 S/N:N/A Points Across peak:N/A



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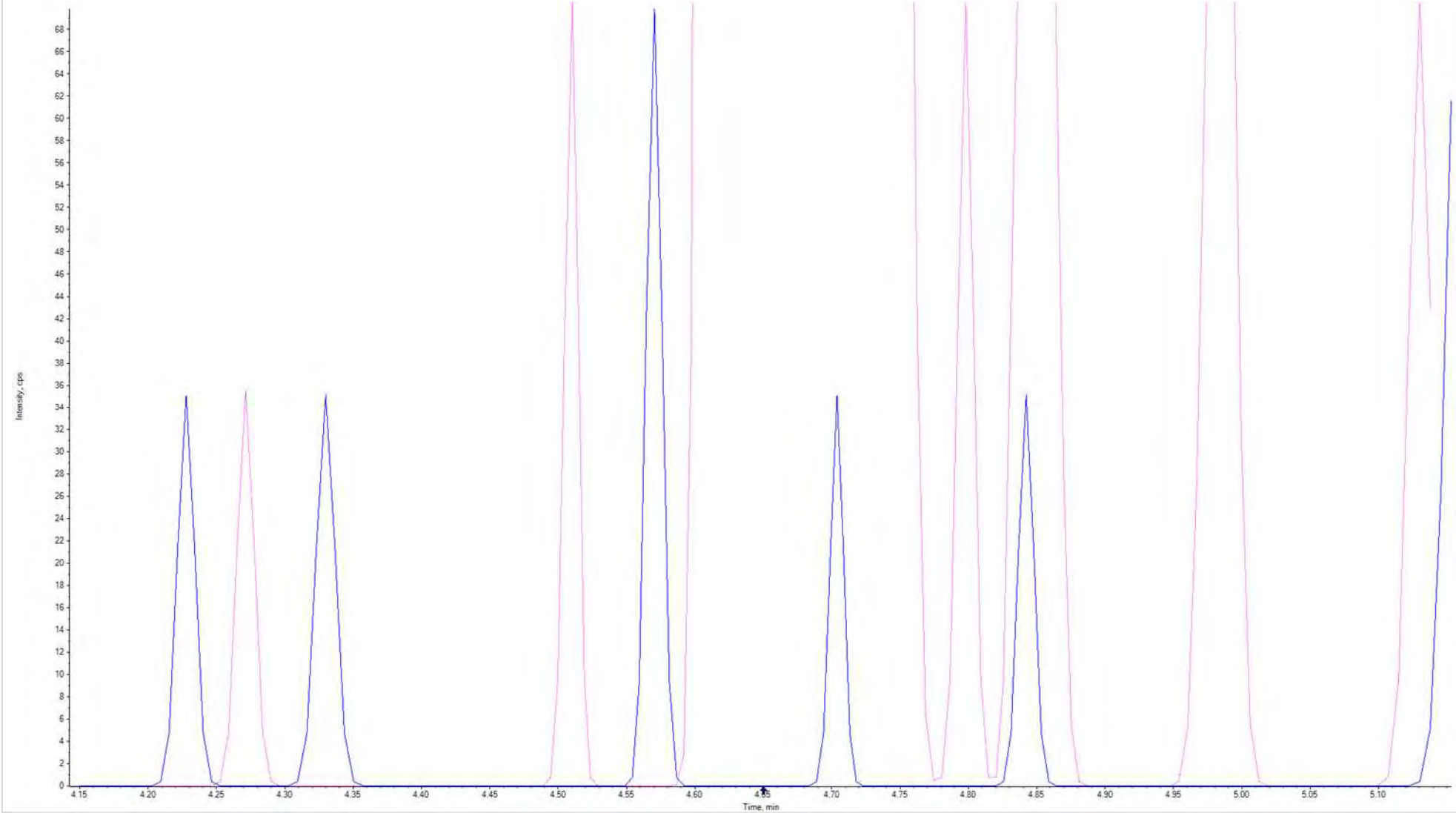
PFDoA_2
Sample: L2512368-10 S/N:N/A Points Across peak:N/A



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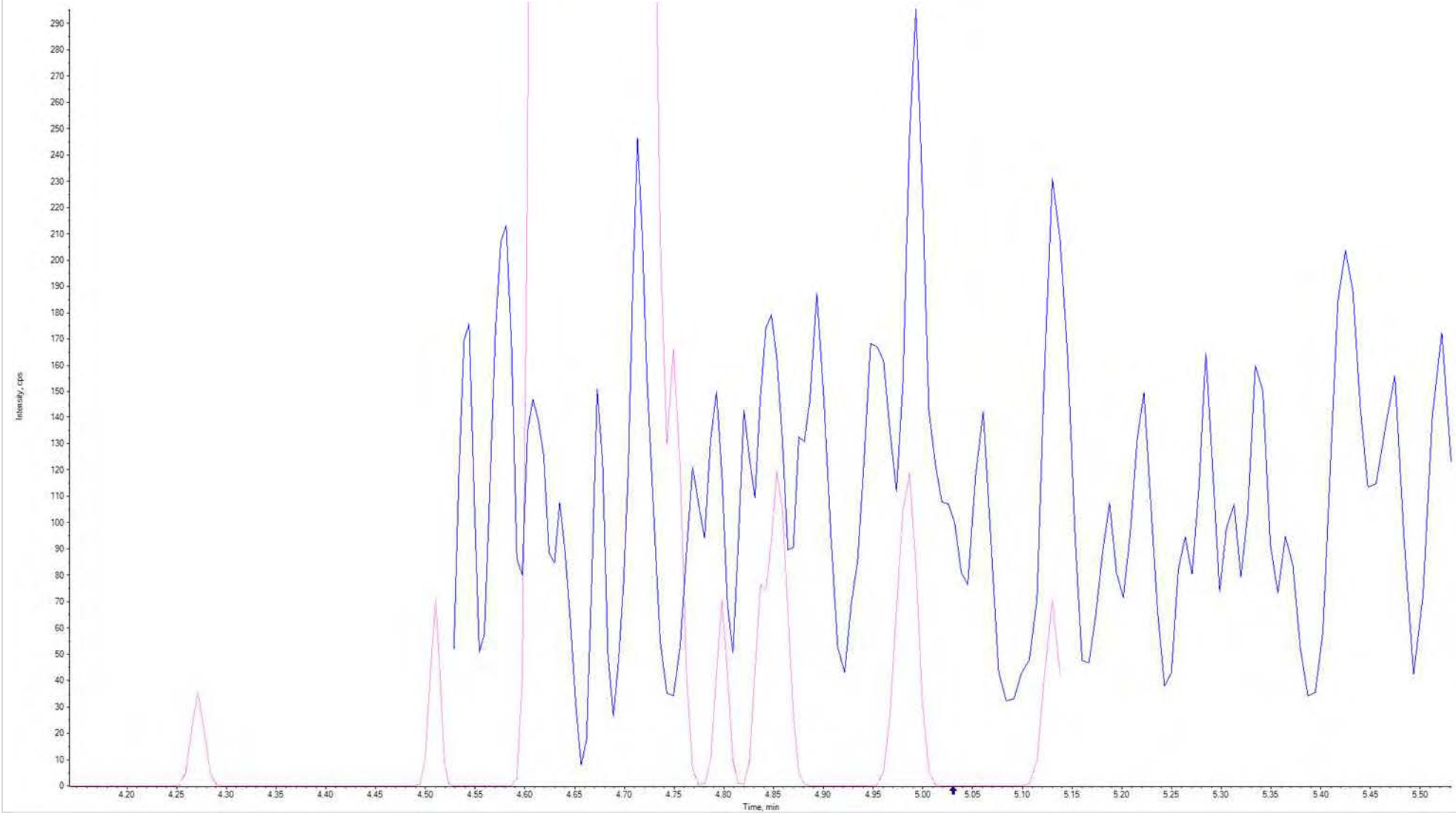
PFTrDA
Sample: L2512368-10 S/N:N/A Points Across peak:N/A



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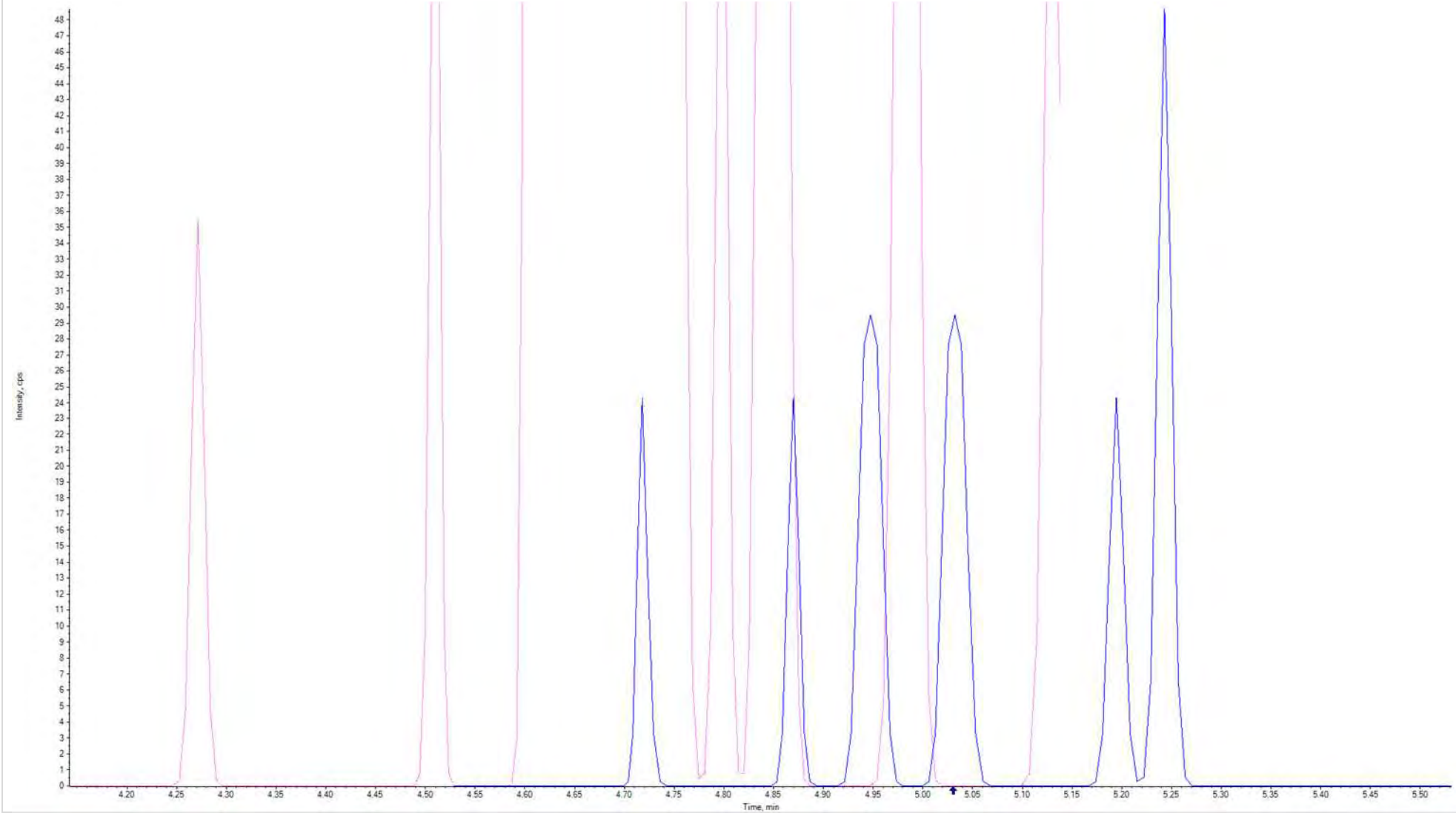
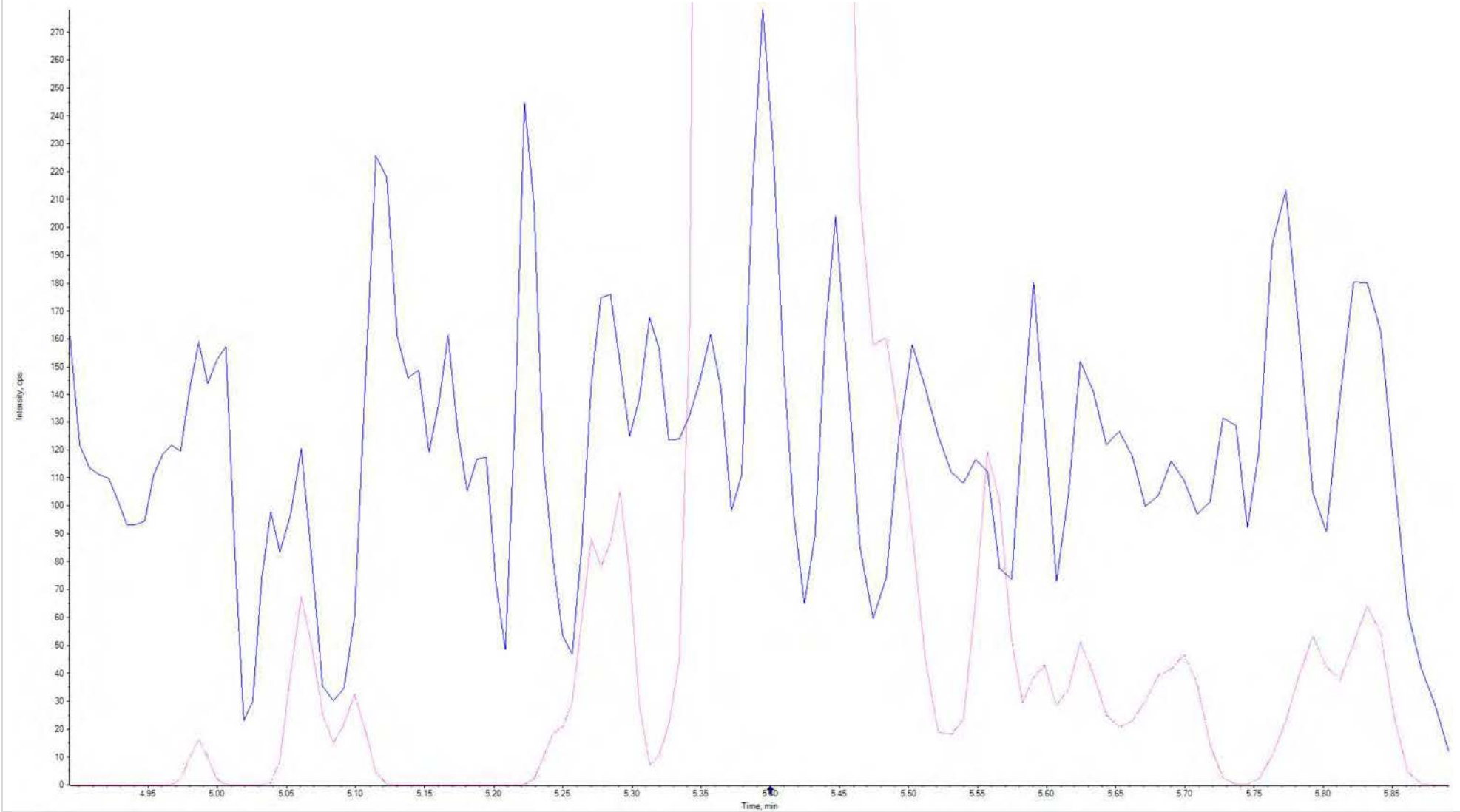
PFTrDA_2
Sample: L2512368-10 S/N:N/A Points Across peak:N/A



PFTeDA
Sample: L2512368-10 S/N:N/A Points Across peak:N/A



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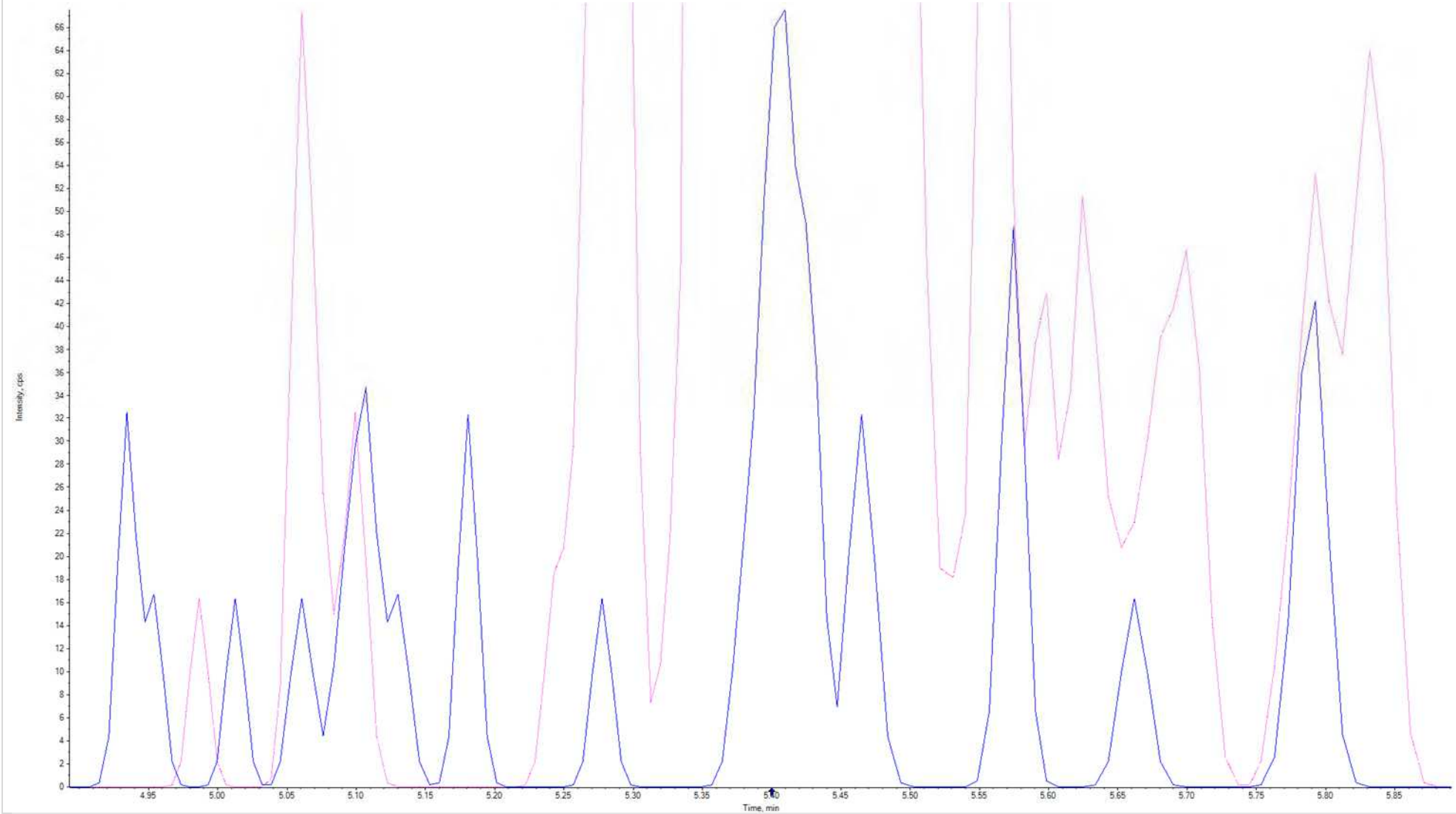
PFTeDA_2
Sample: L2512368-10 S/N:N/A Points Across peak:N/A



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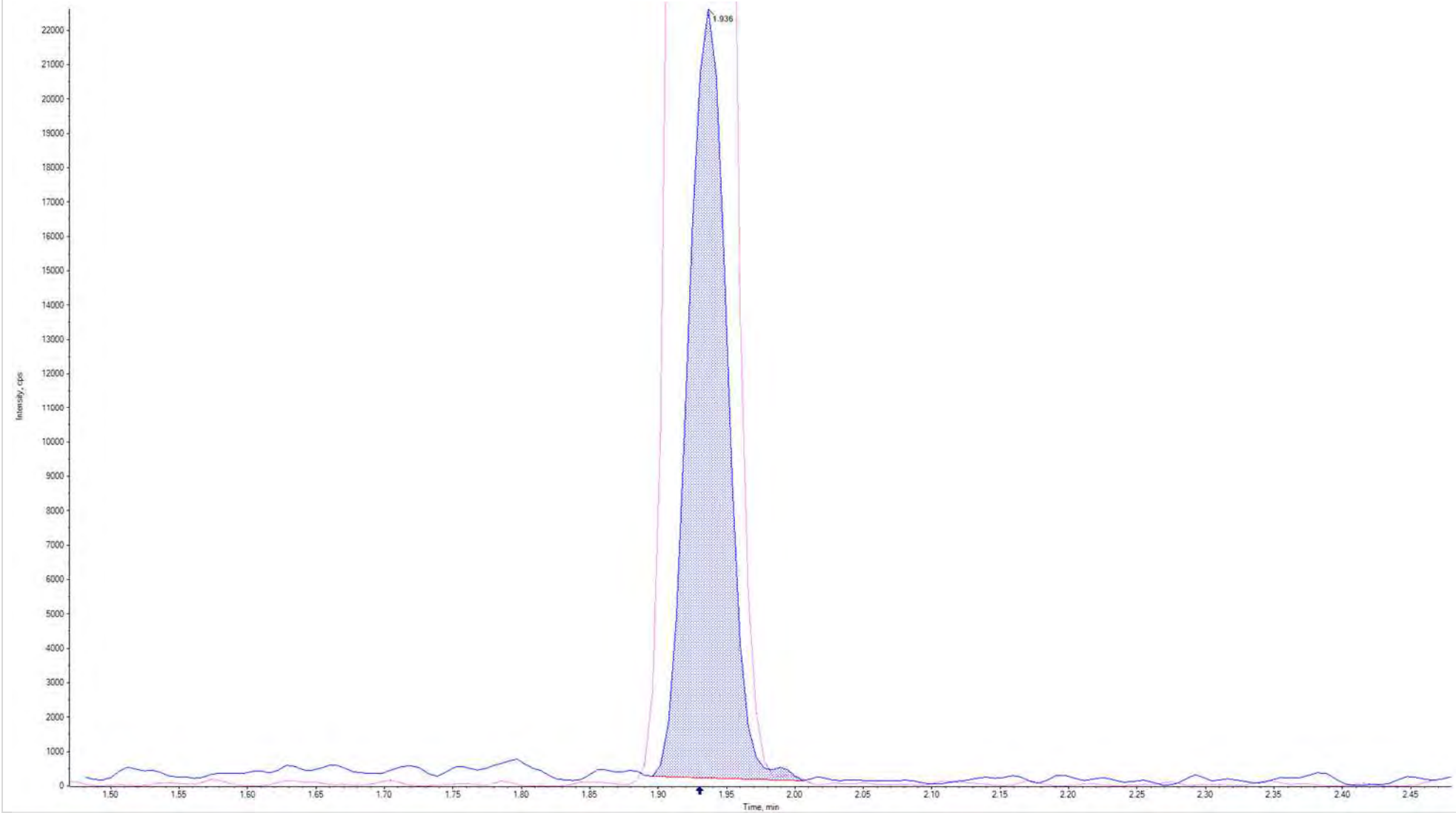
PFBS
Sample: L2512368-10 S/N:561.1 Points Across peak:20



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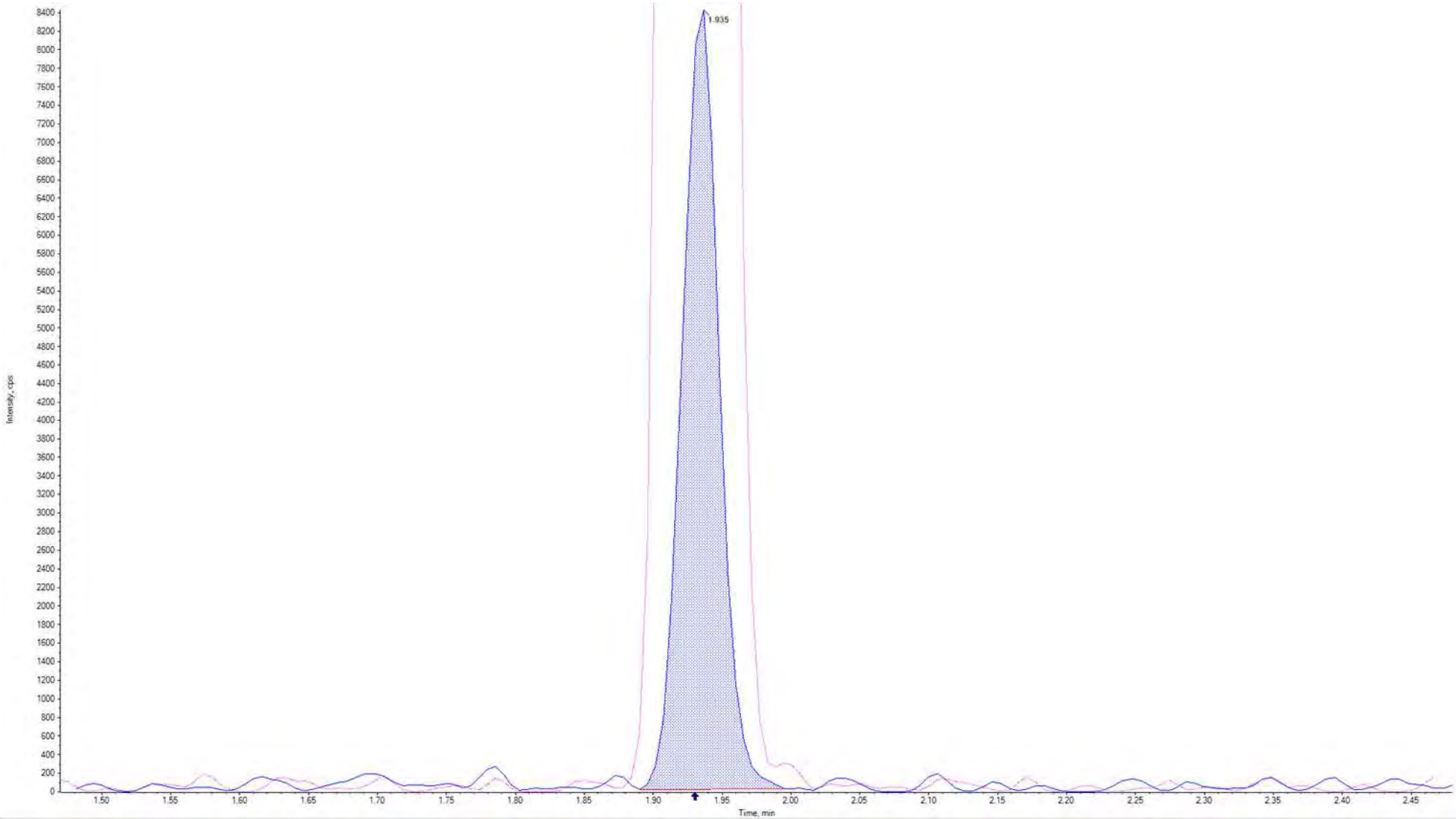
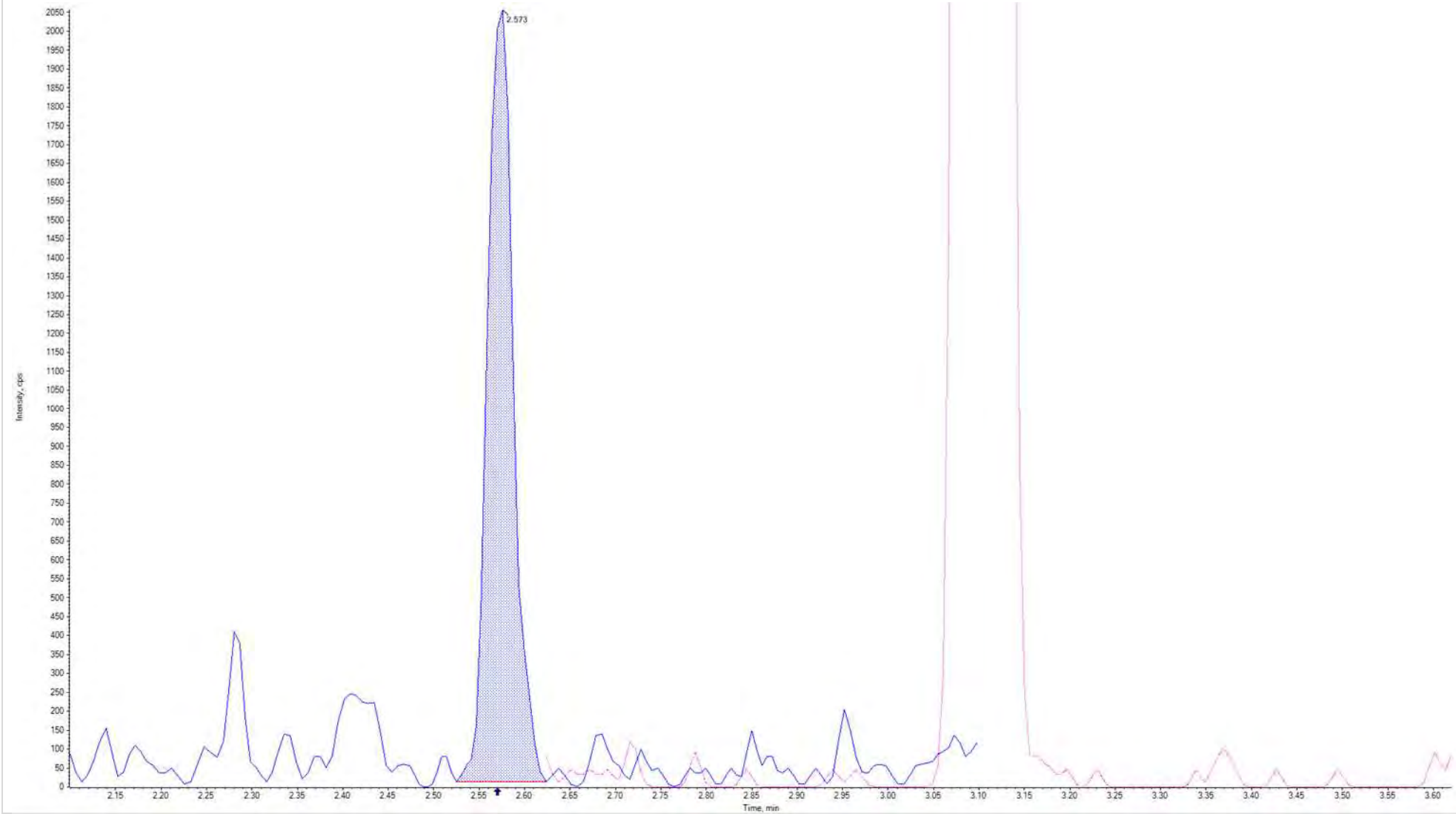
PFBS_2
Sample: L2512368-10 S/N:210.6 Points Across peak:20



PFPeS
Sample: L2512368-10 S/N:41.0 Points Across peak:18



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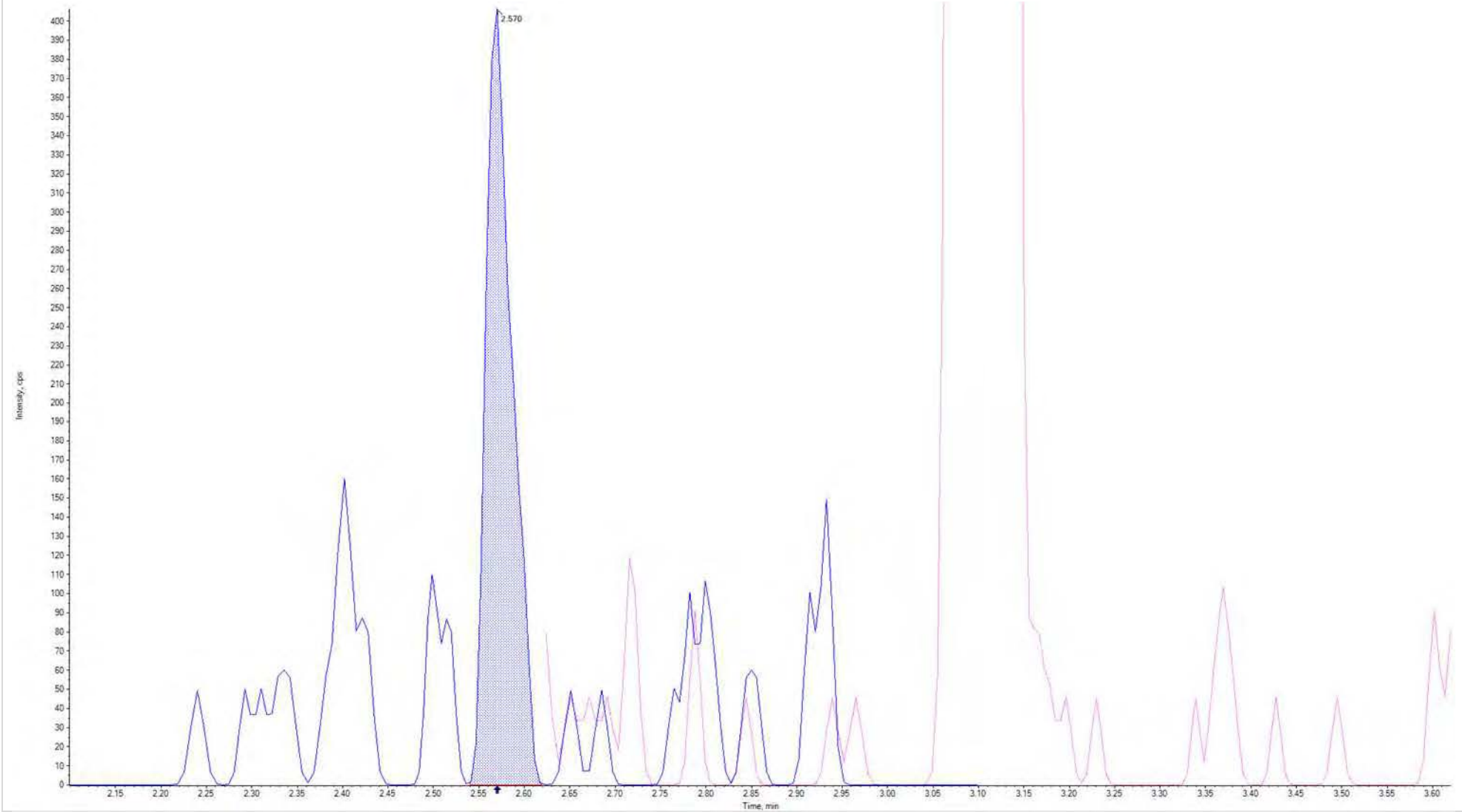
PFPeS_2
Sample: L2512368-10 S/N:8.1 Points Across peak:16



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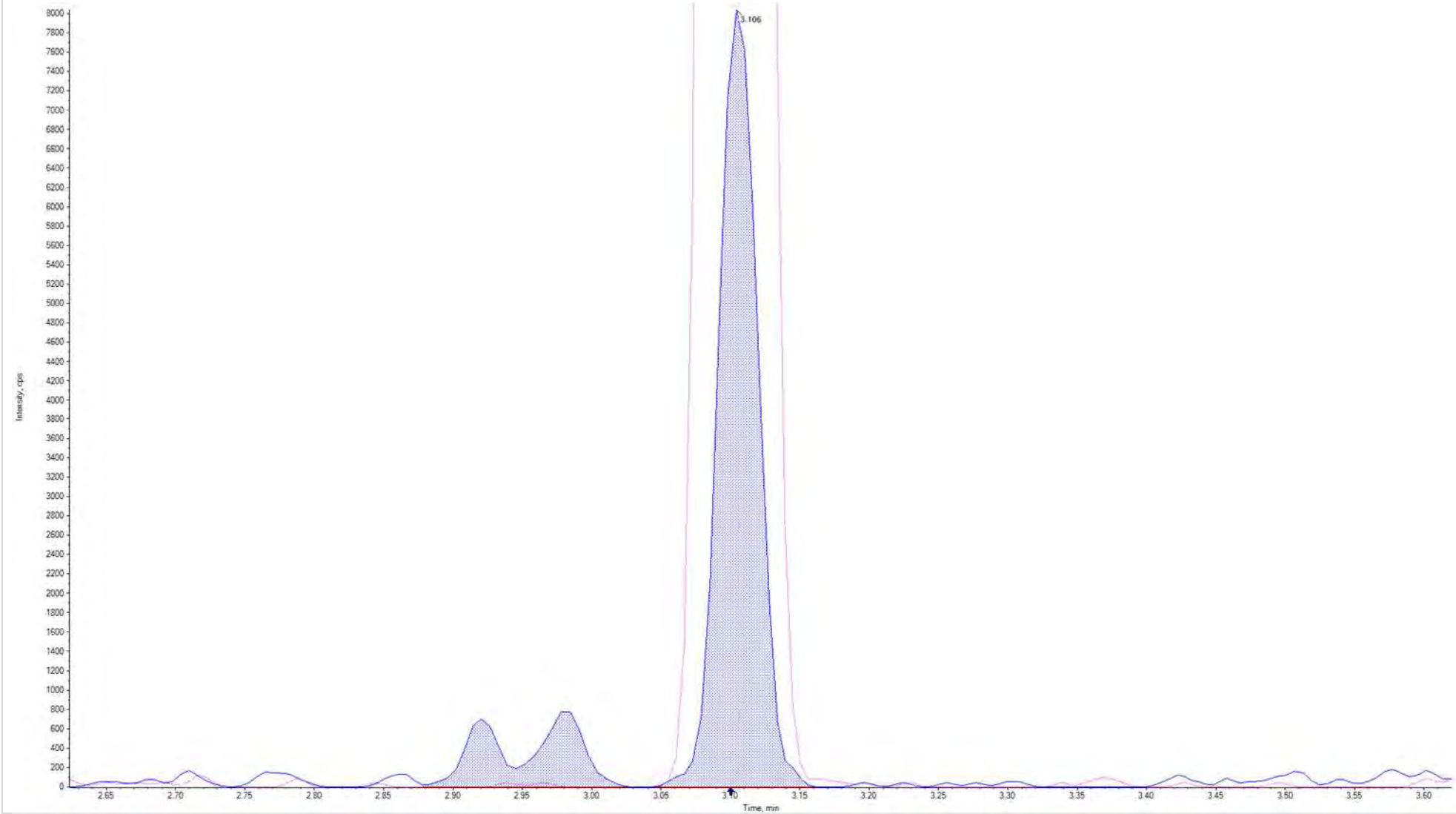
Generated: 3/11/2025 12:27:08 PM

PFHxS
Sample: L2512368-10 S/N:181.3 Points Across peak:49



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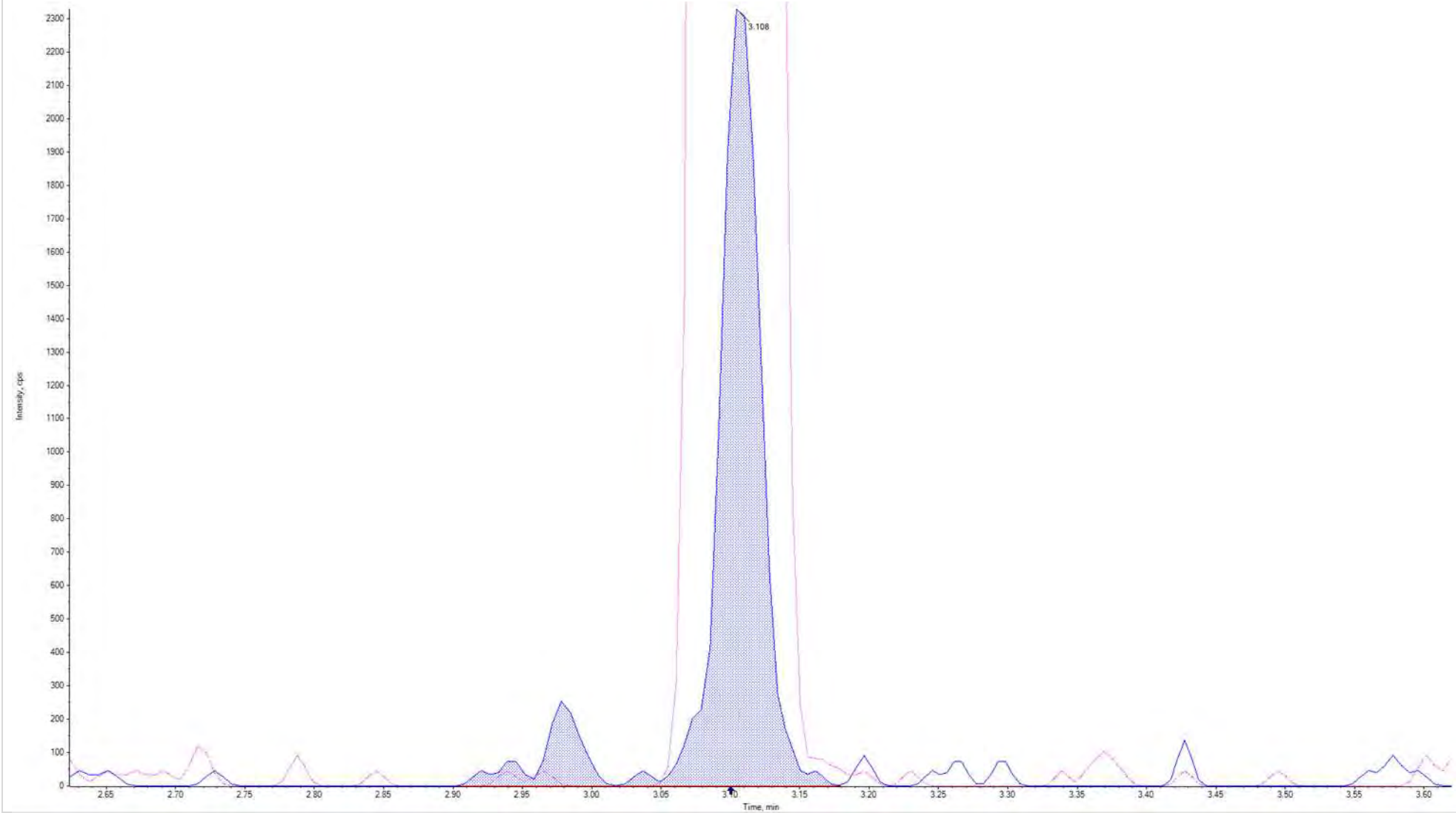
PFHxS_2
Sample: L2512368-10 S/N:52.5 Points Across peak:47



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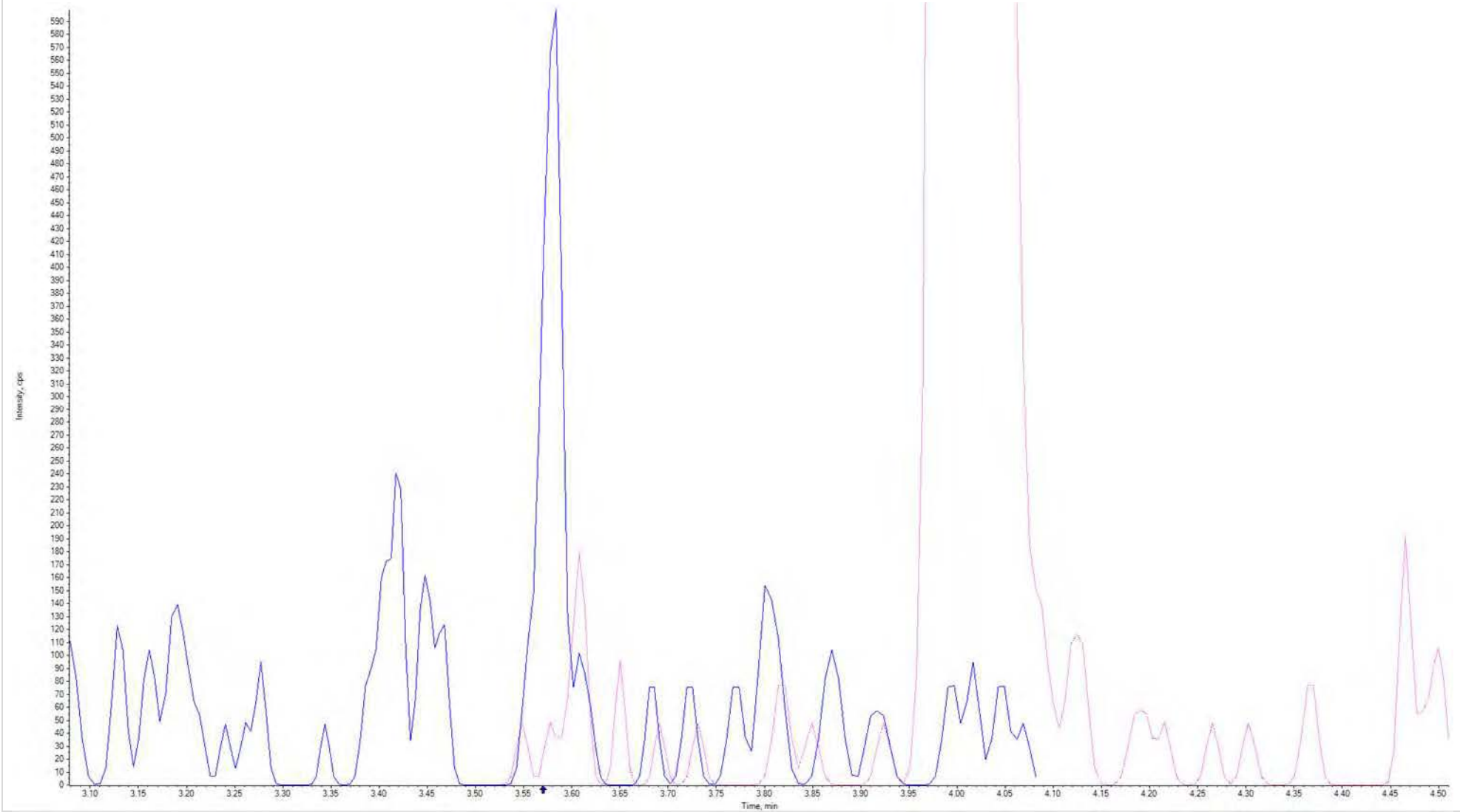
PFHpS
Sample: L2512368-10 S/N:N/A Points Across peak:N/A



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Alpha Analytical LLC
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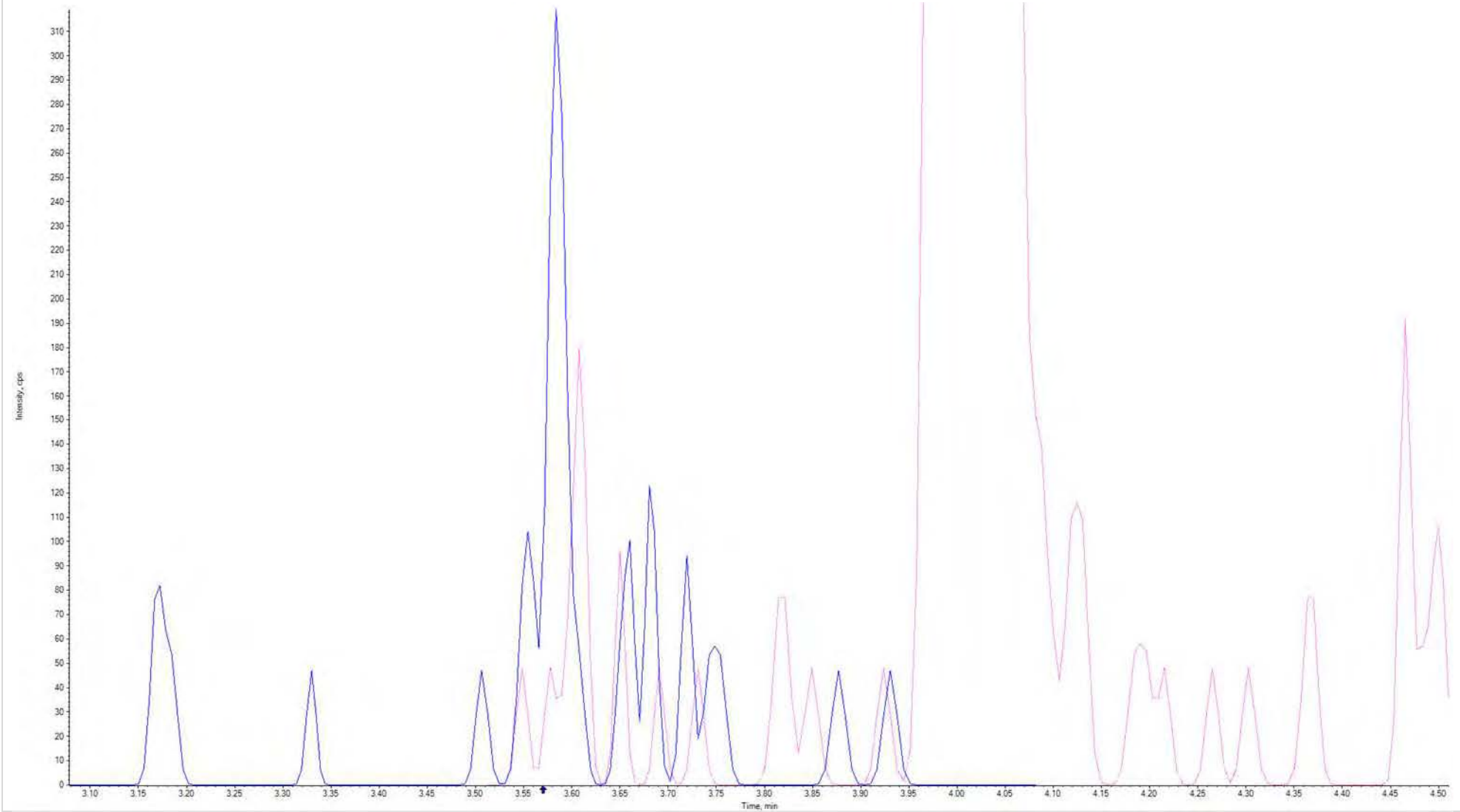
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

PFHpS_2
Sample: L2512368-10 S/N:N/A Points Across peak:N/A



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Alpha Analytical LLC
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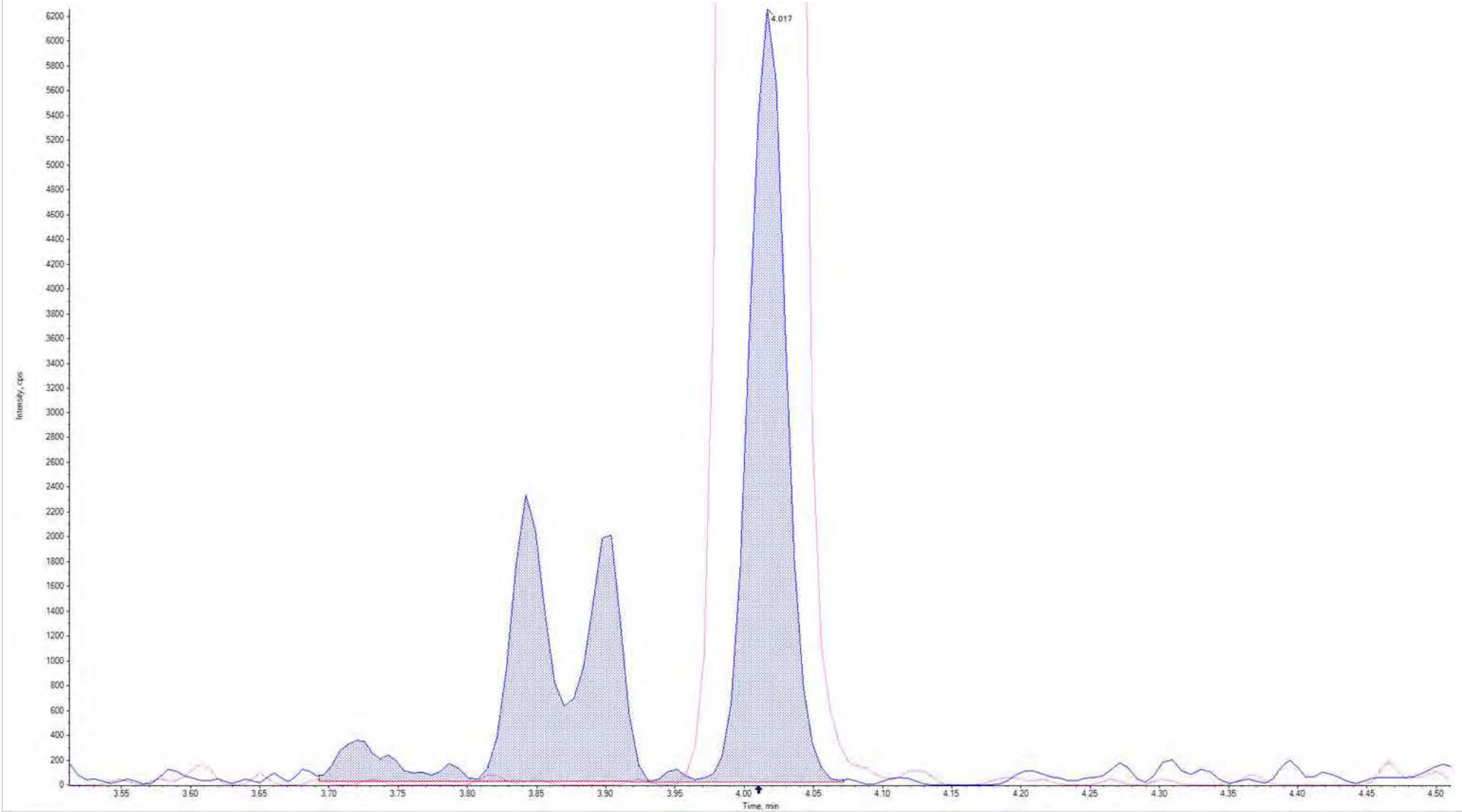
PFOS
Sample: L2512368-10 S/N:104.5 Points Across peak:60



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Alpha Analytical LLC
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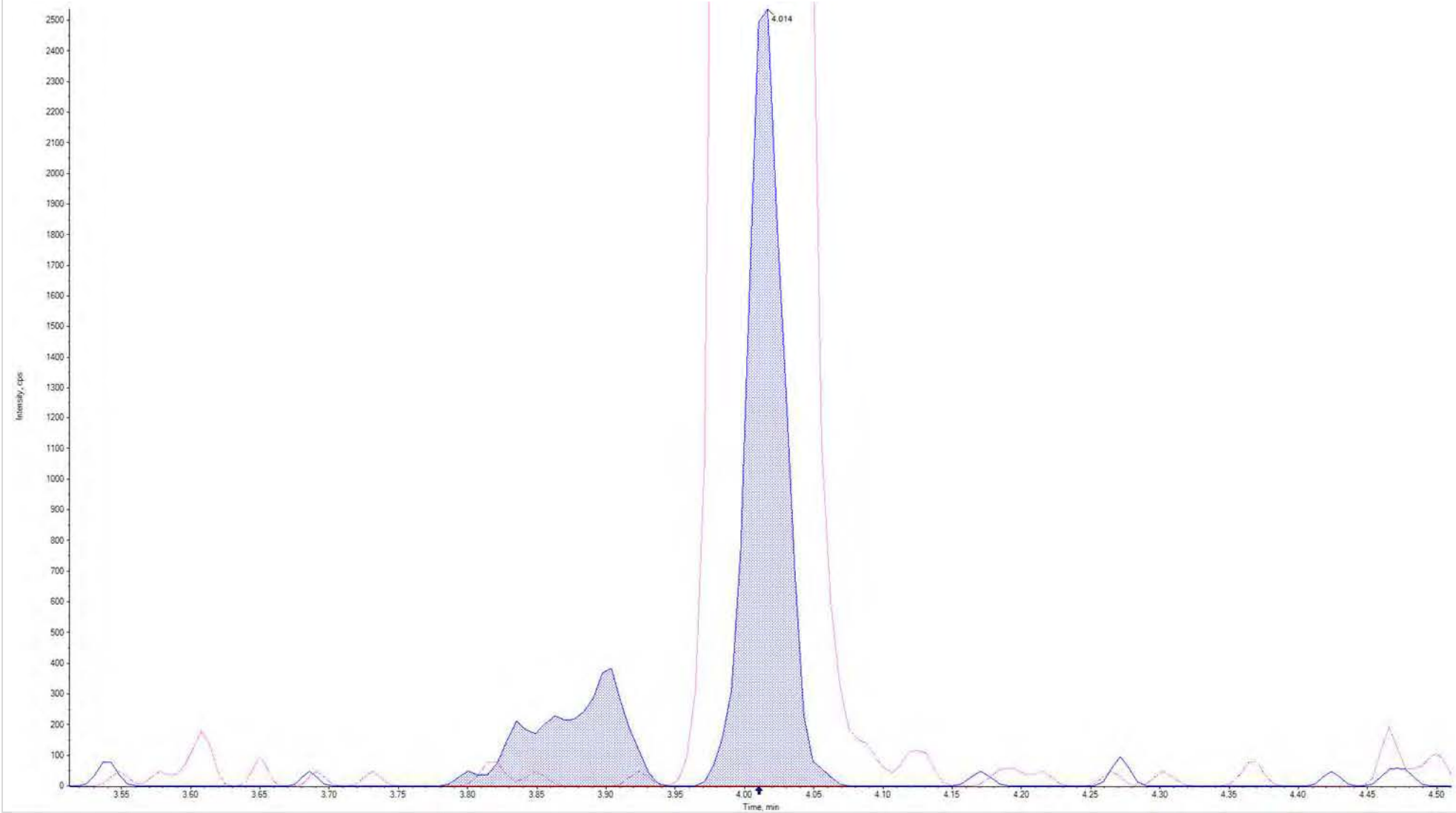
PFOS_2
Sample: L2512368-10 S/N:50.9 Points Across peak:47



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Alpha Analytical LLC
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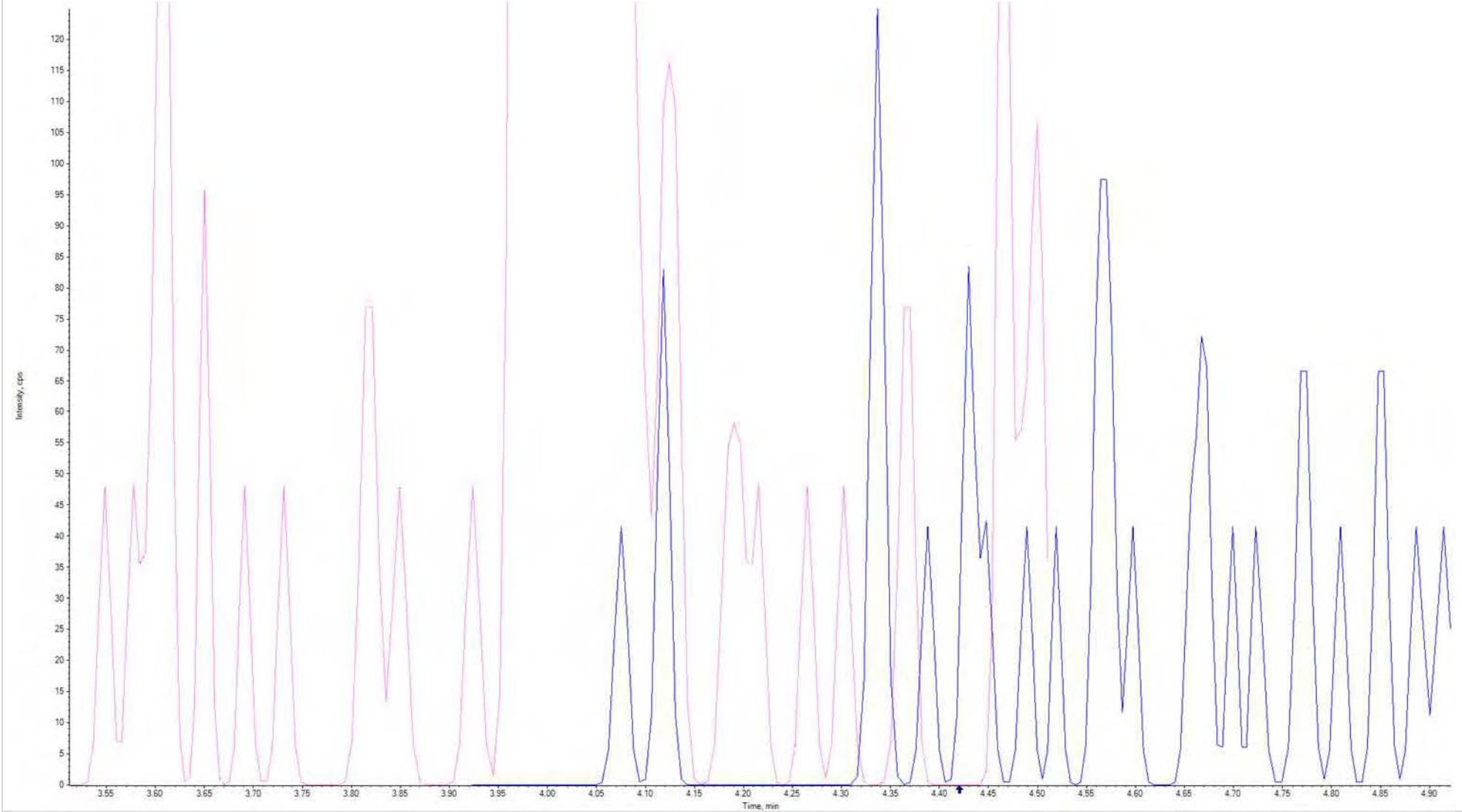
PFNS
Sample: L2512368-10 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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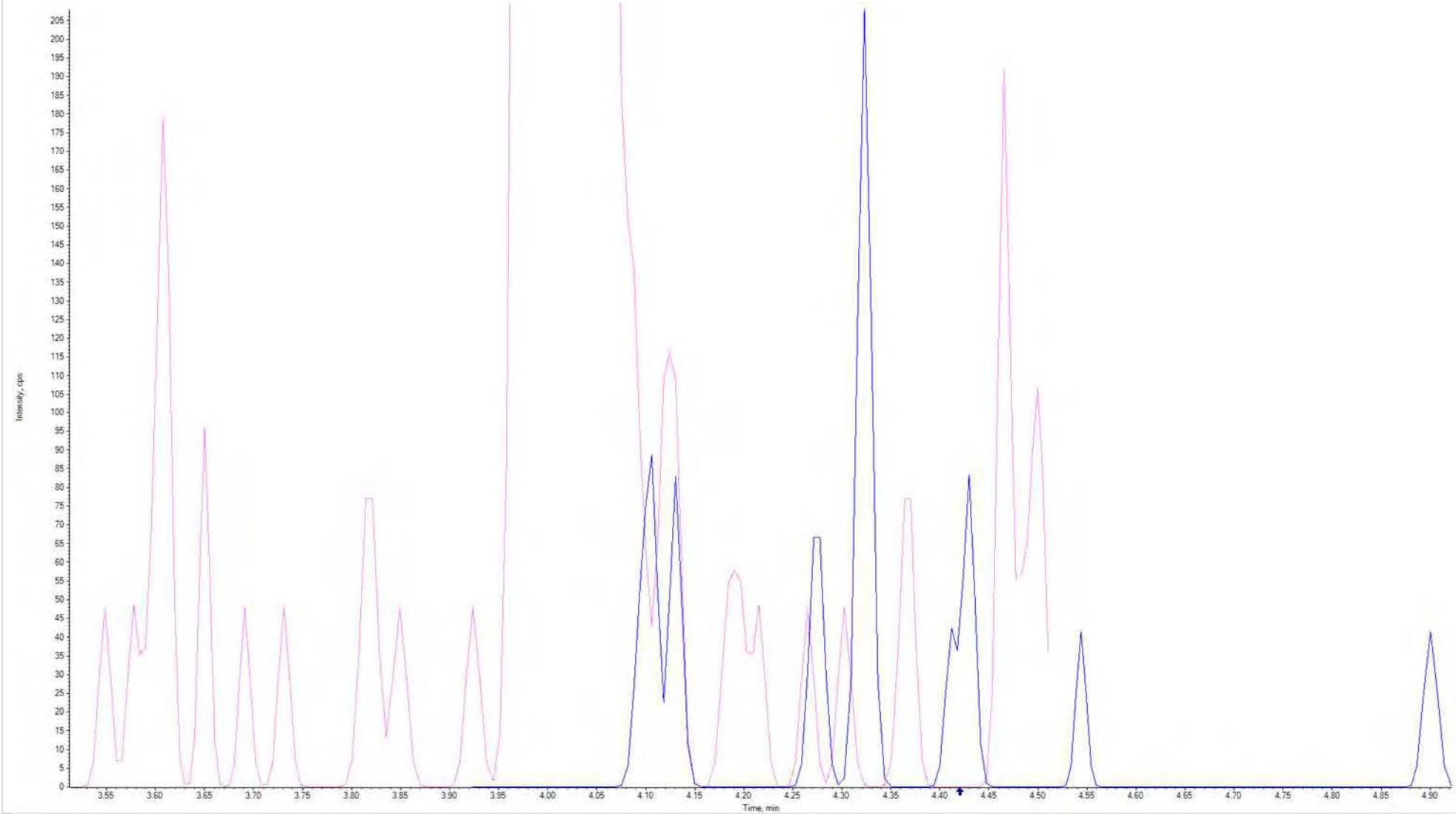
PFNS_2
Sample: L2512368-10 S/N:N/A Points Across peak:N/A



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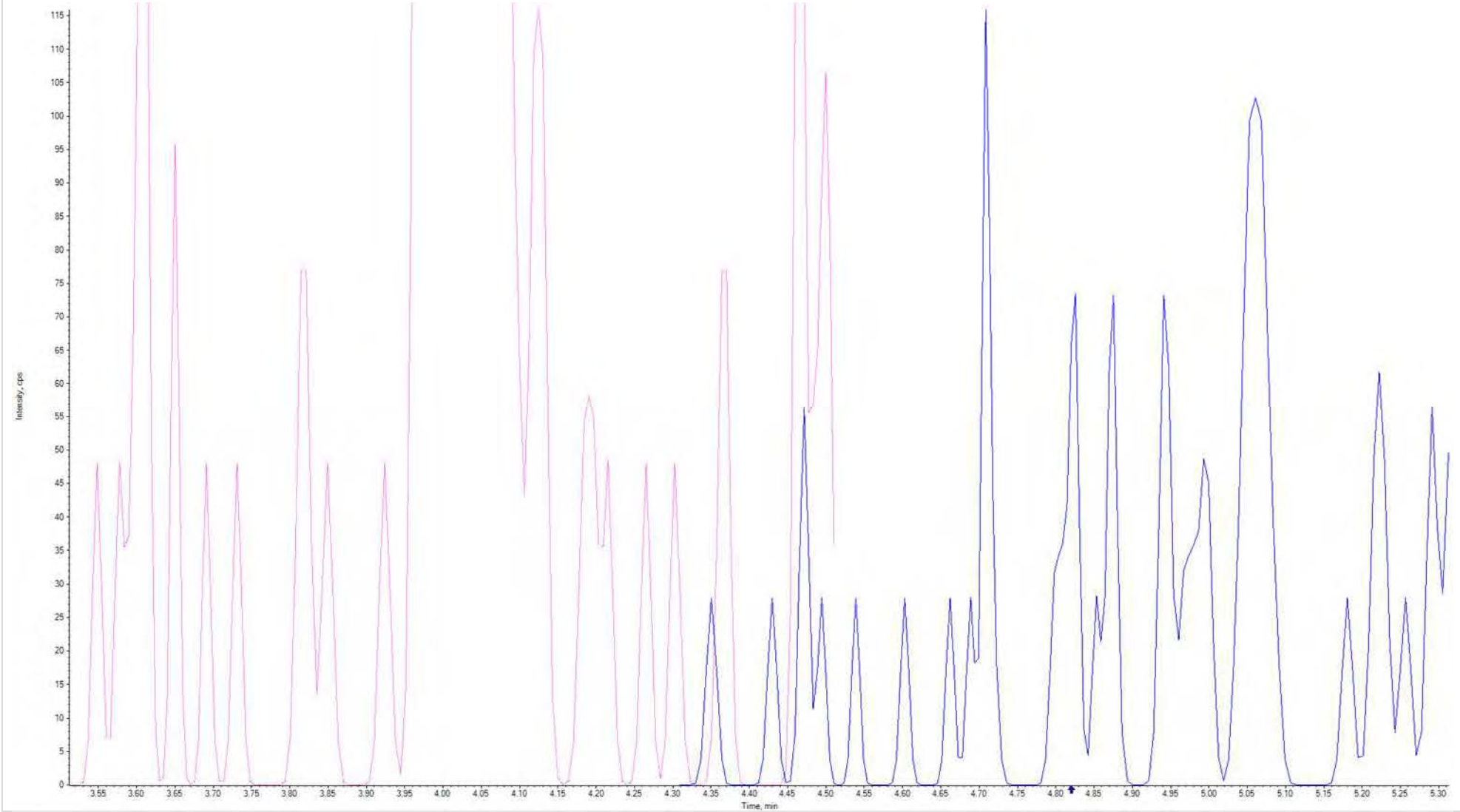
PFDS
Sample: L2512368-10 S/N:N/A Points Across peak:N/A



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Alpha Analytical LLC
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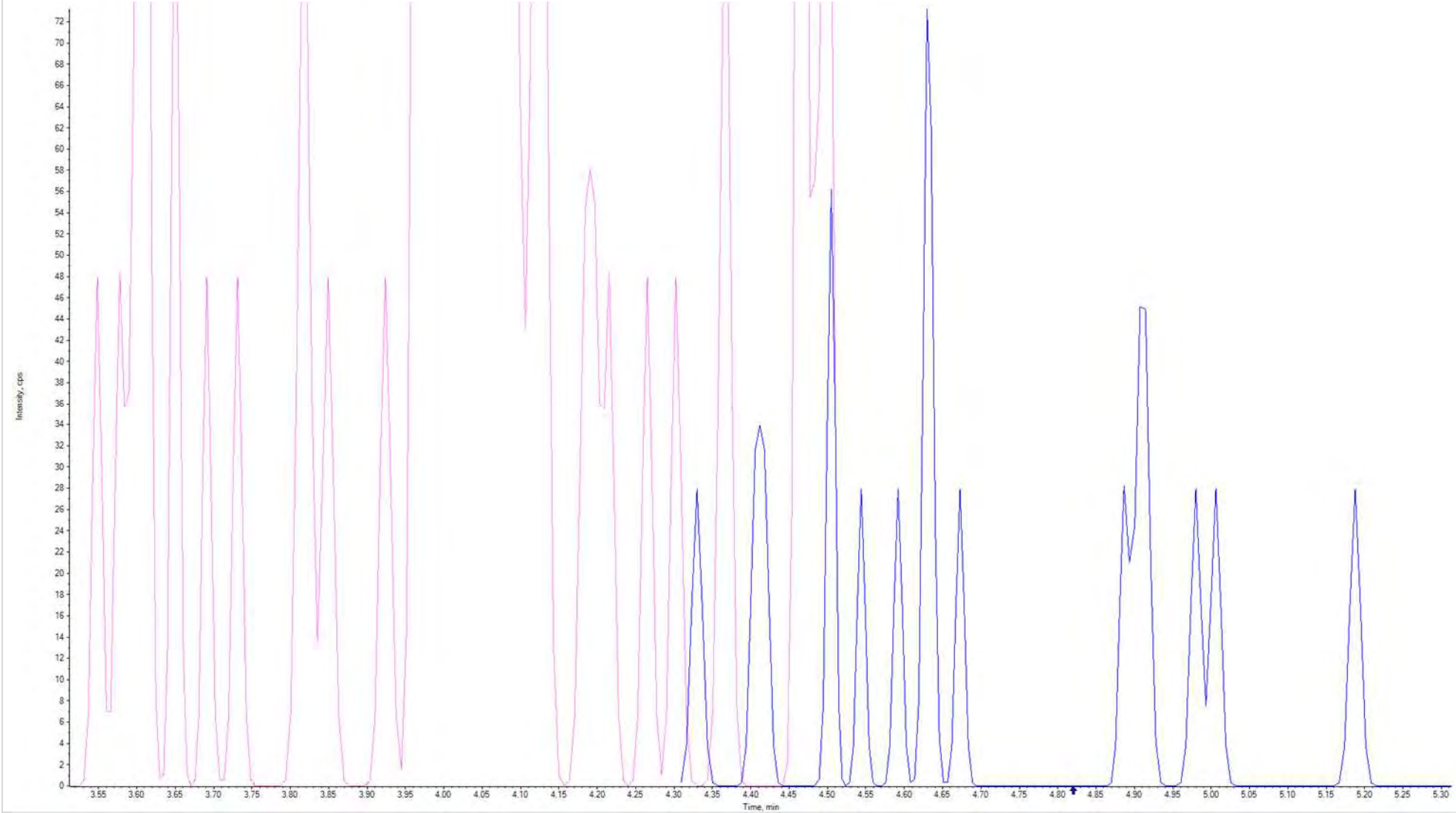
PFDS_2
Sample: L2512368-10 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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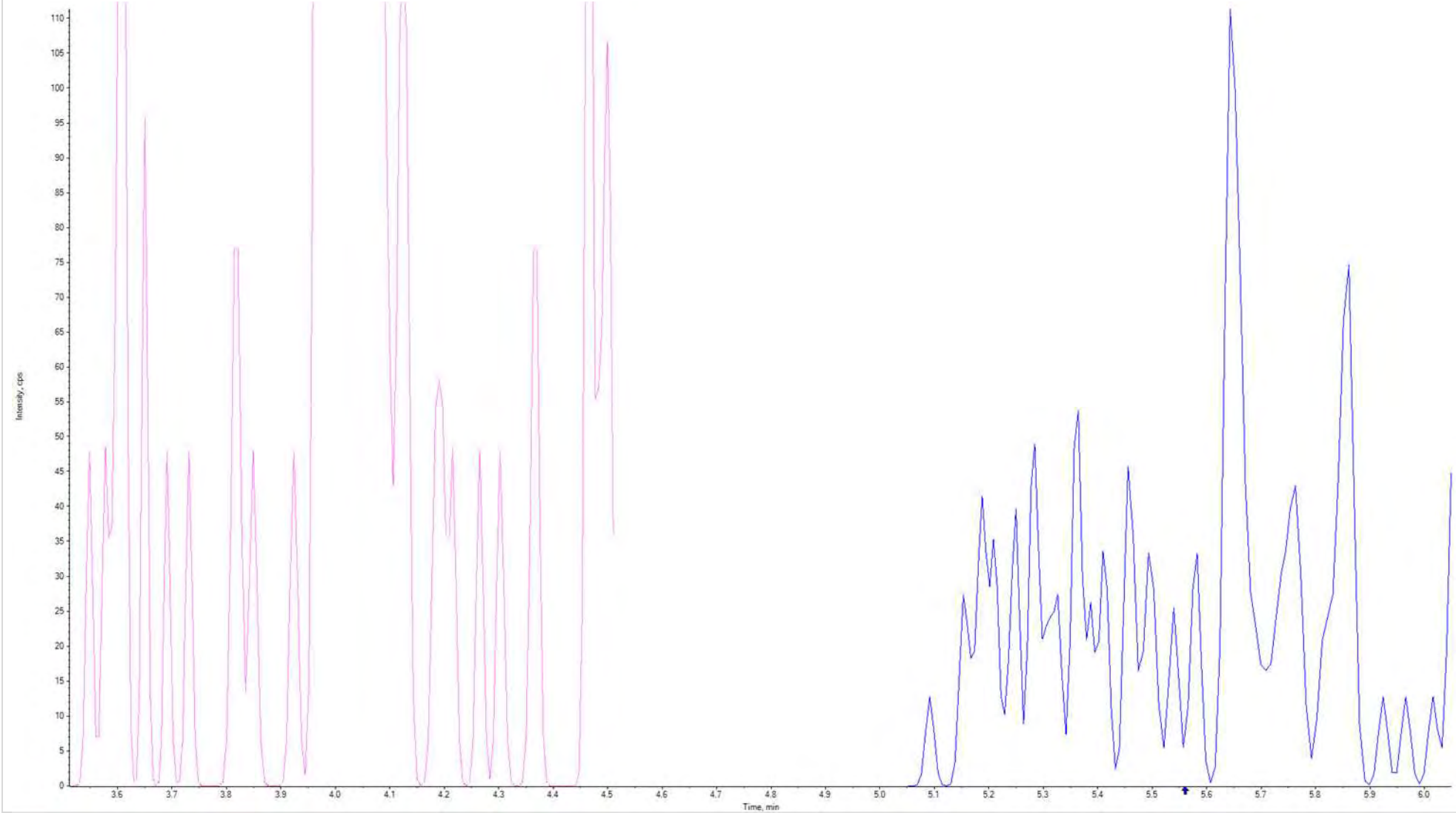
PFDoS
Sample: L2512368-10 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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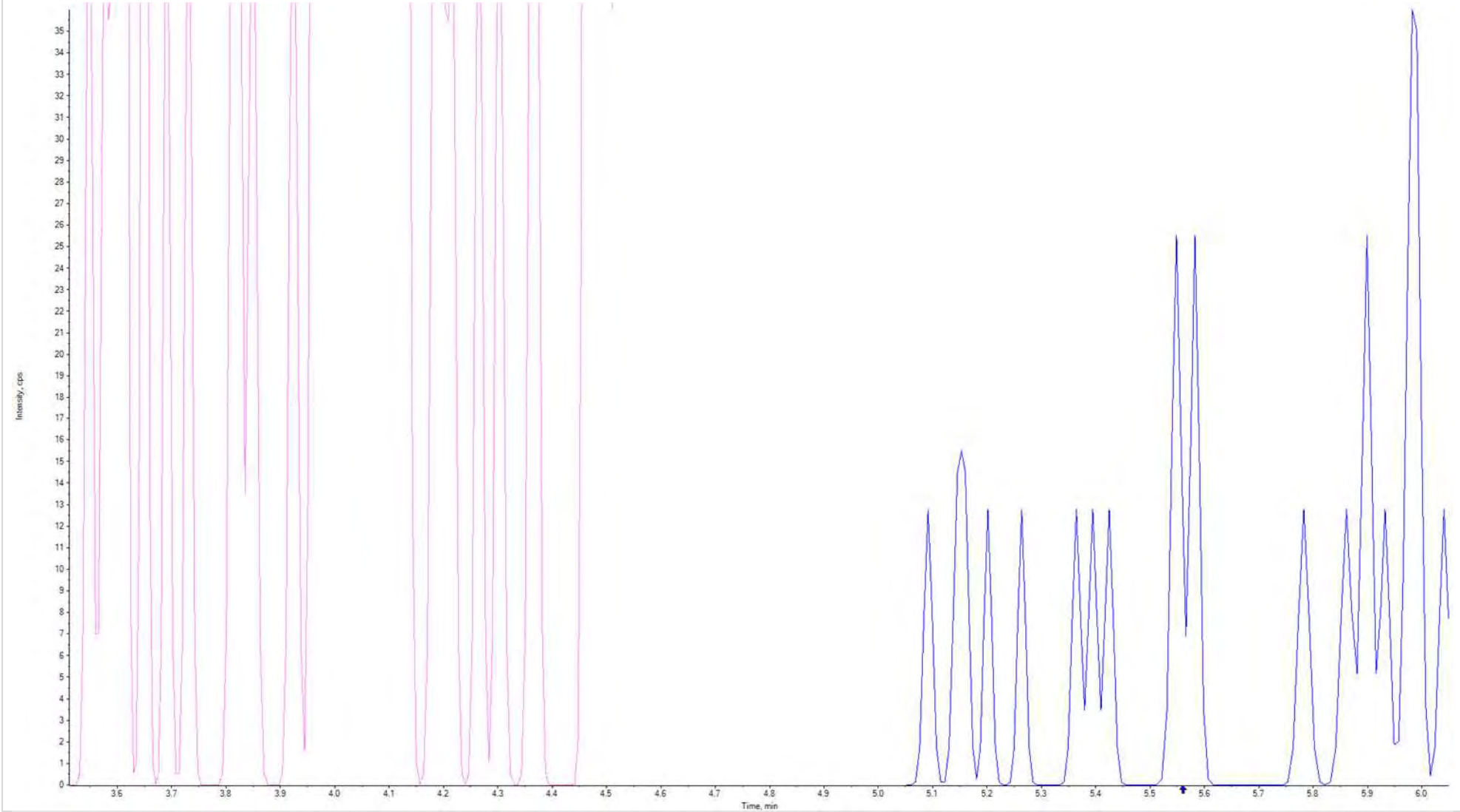
PFDoS_2
Sample: L2512368-10 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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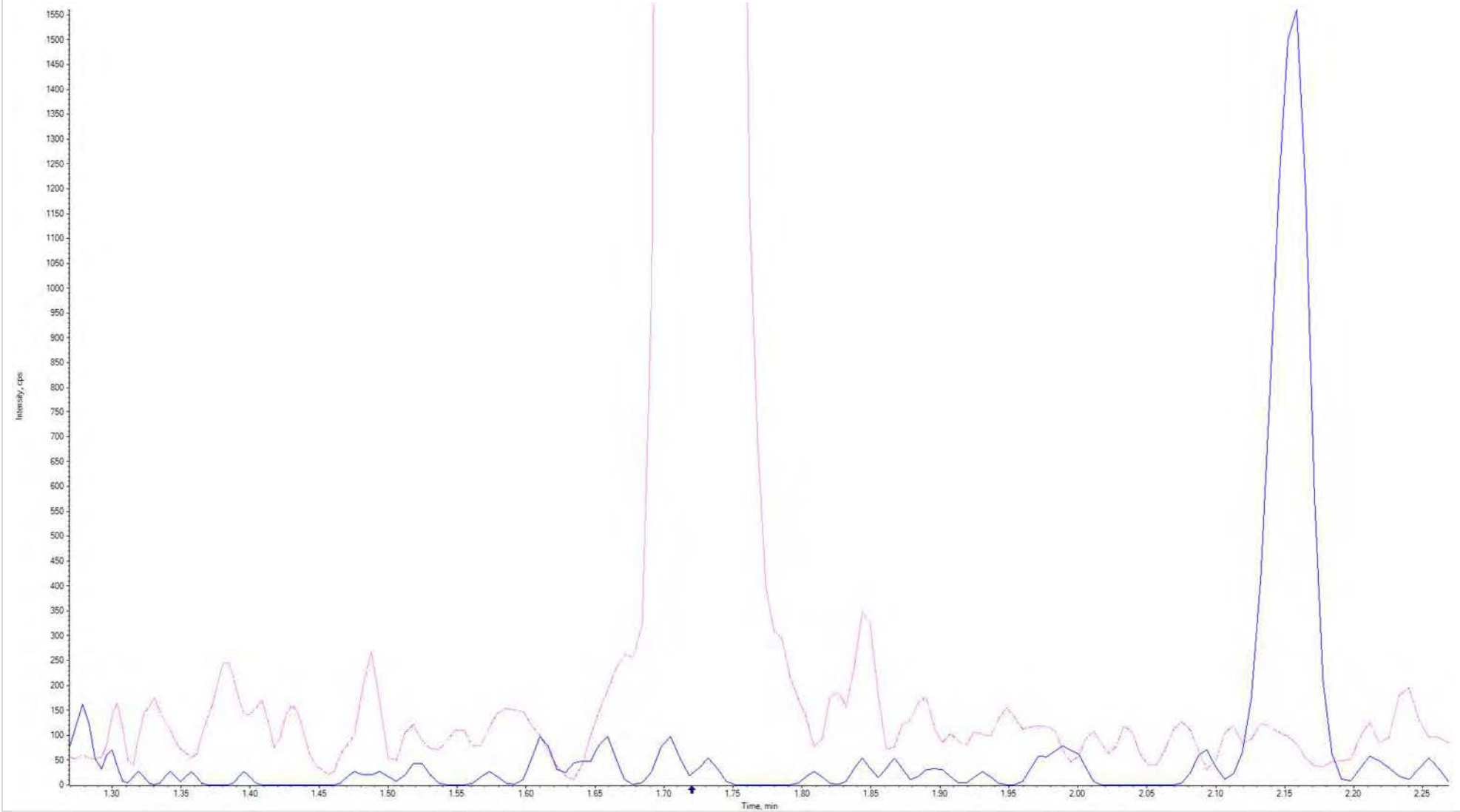
4:2FTS
Sample: L2512368-10 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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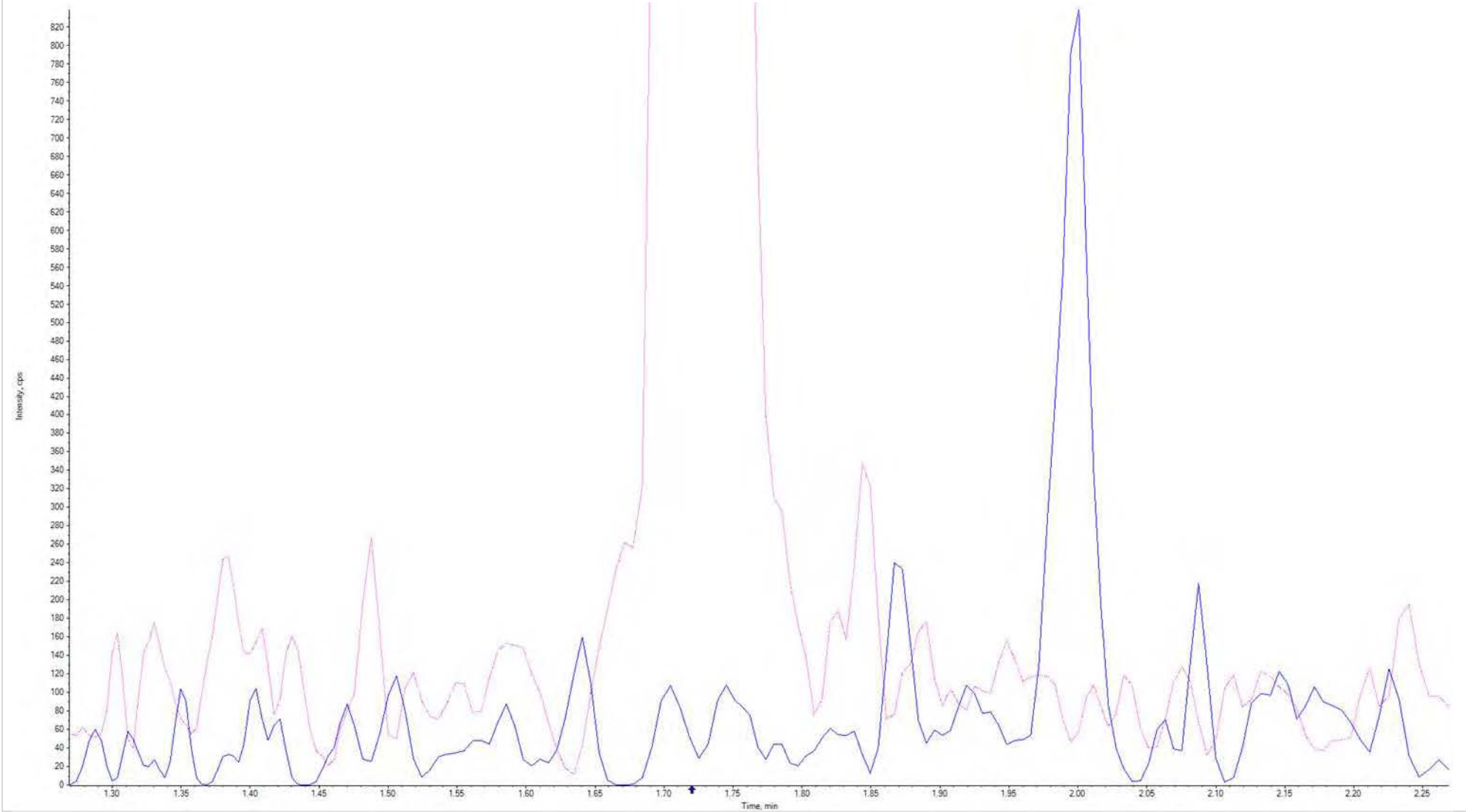
4:2FTS_2
Sample: L2512368-10 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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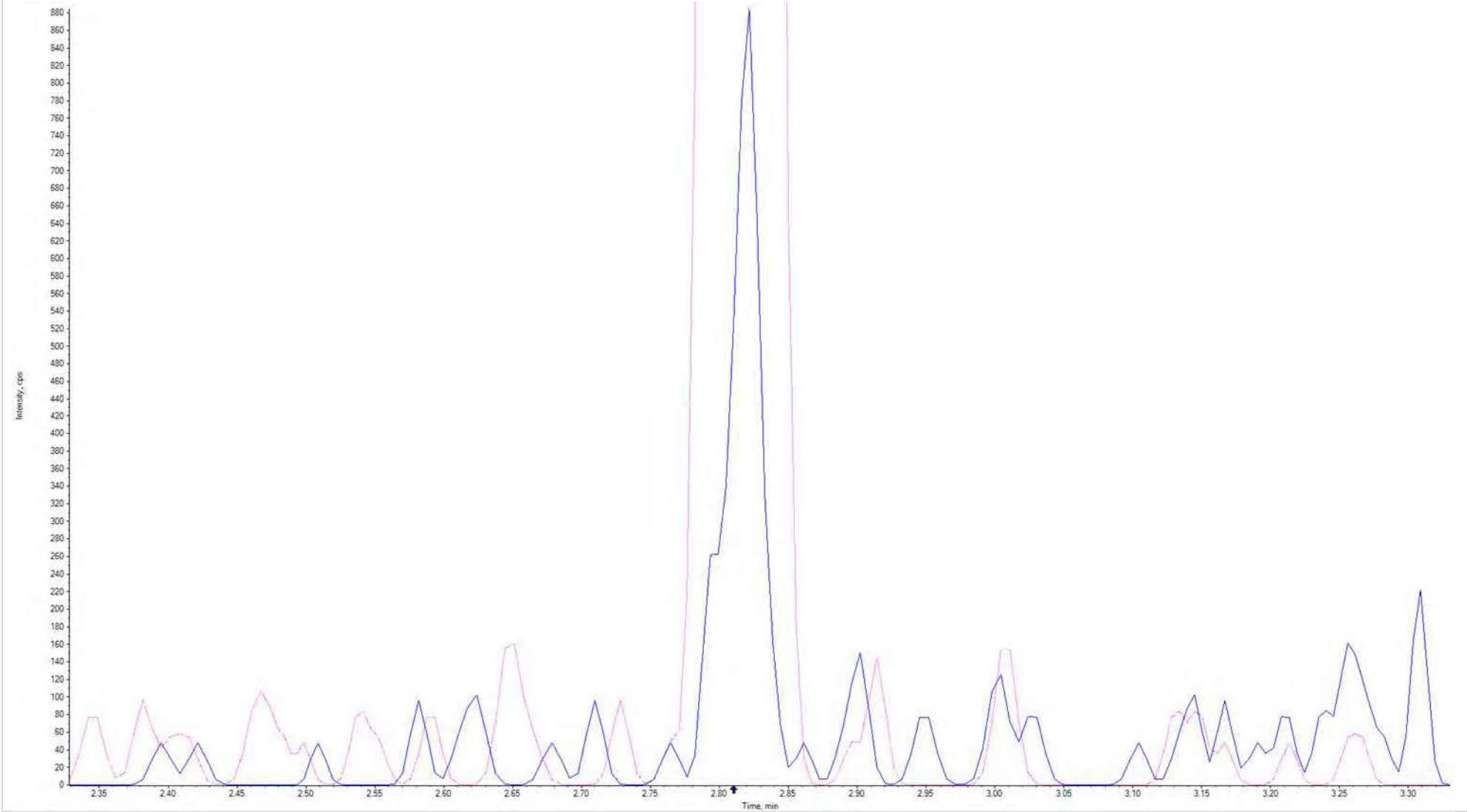
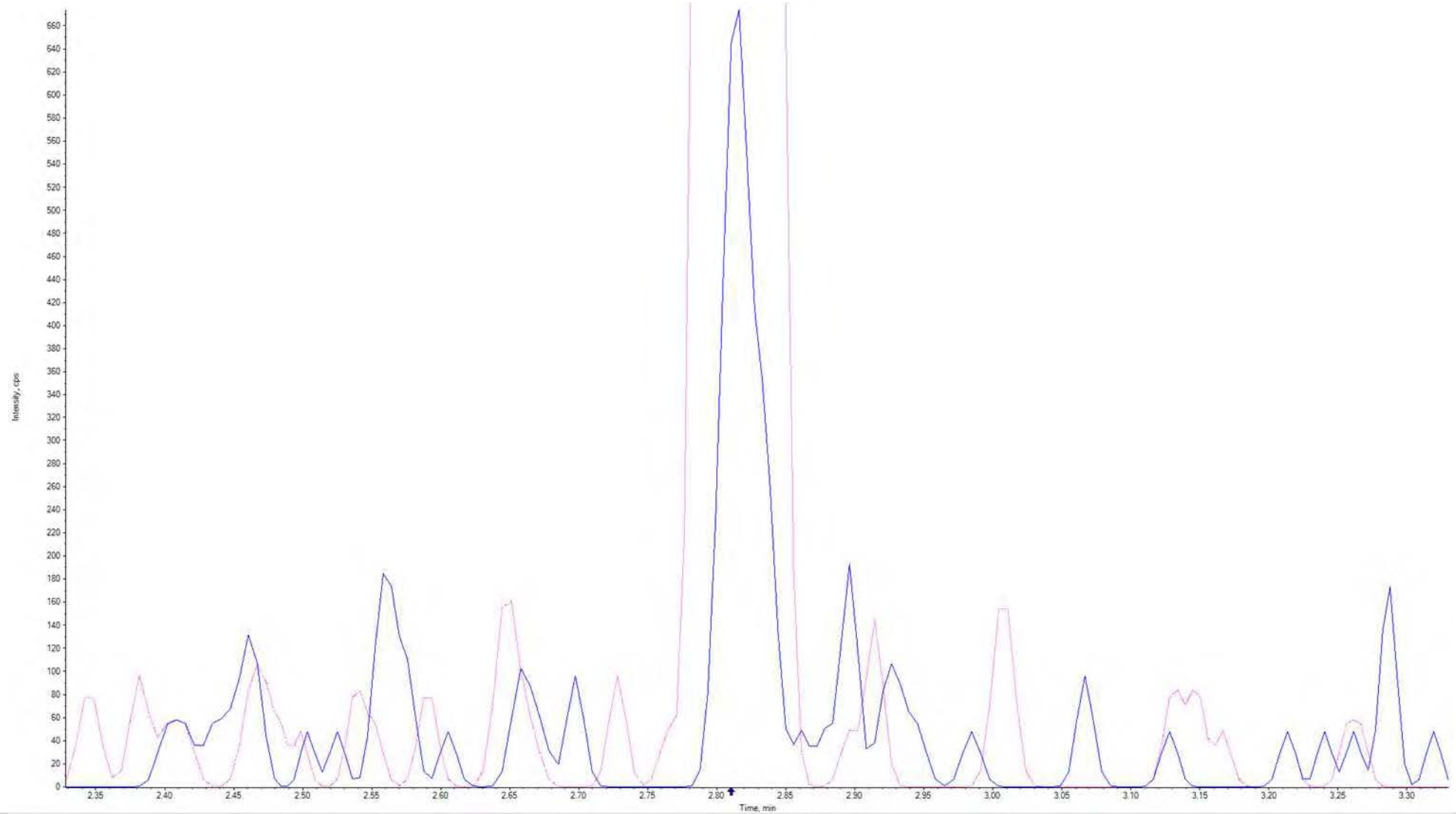
6:2FTS
Sample: L2512368-10 S/N:N/A Points Across peak:N/A



6:2FTS_2
Sample: L2512368-10 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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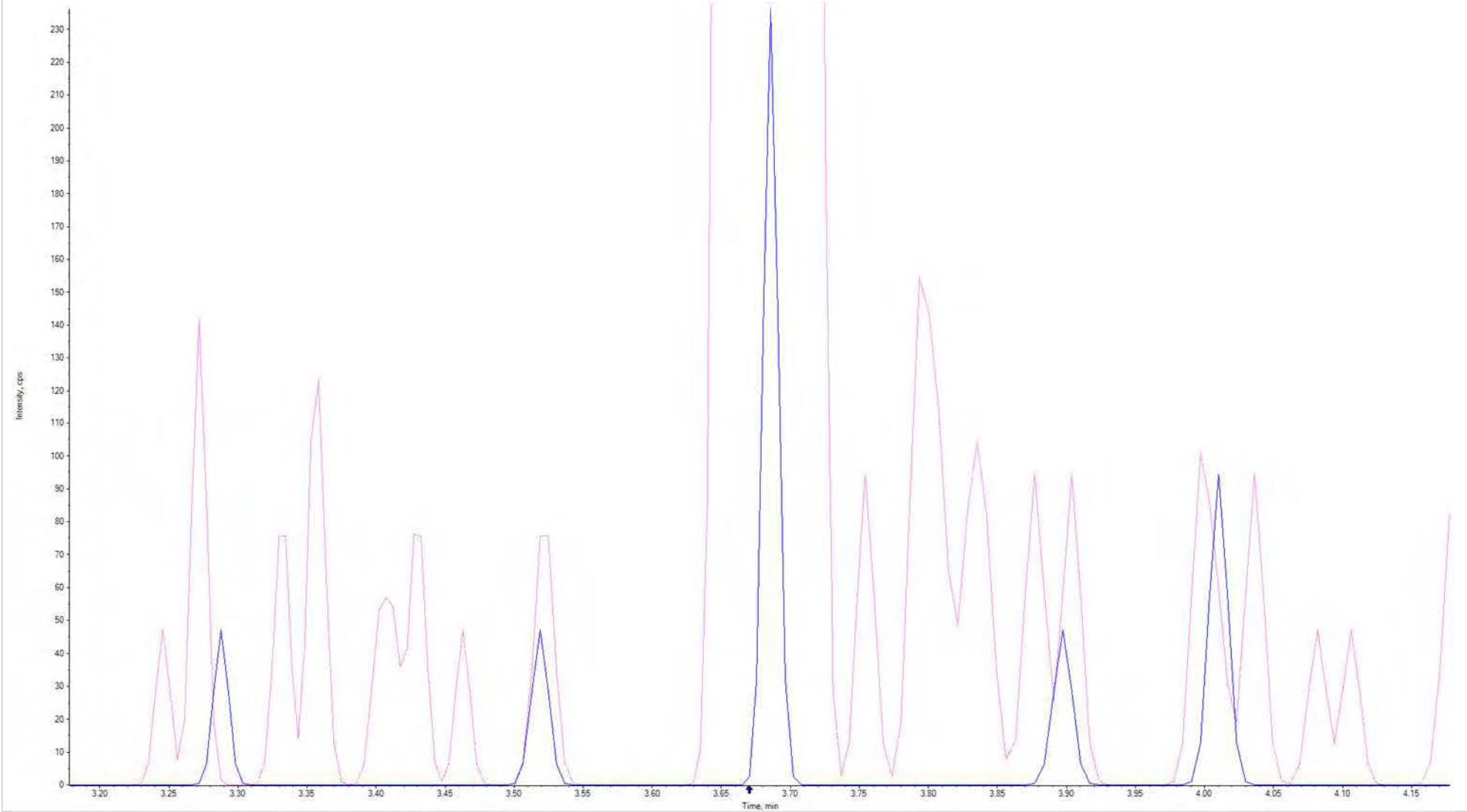
8:2FTS
Sample: L2512368-10 S/N:N/A Points Across peak:N/A



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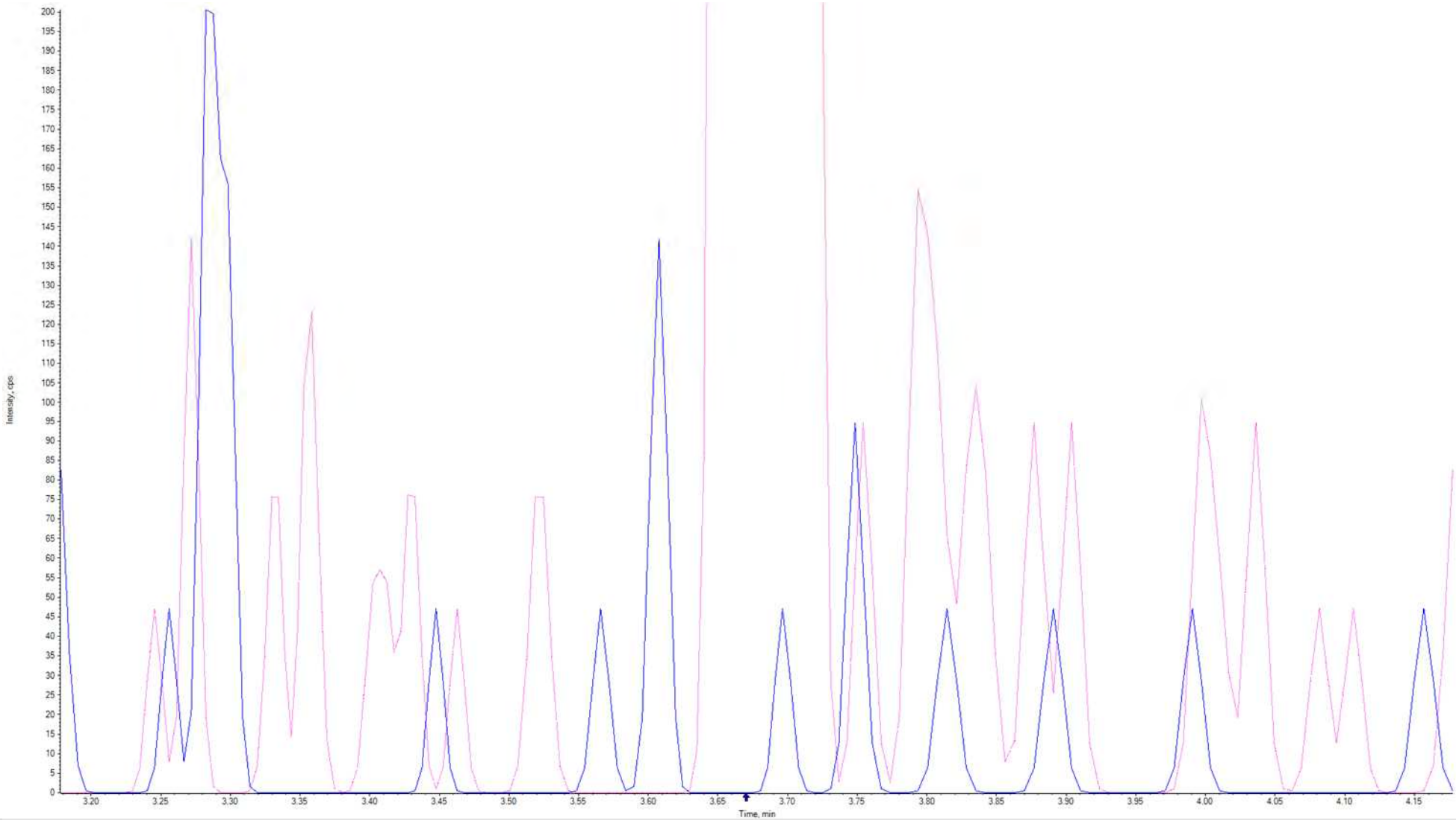
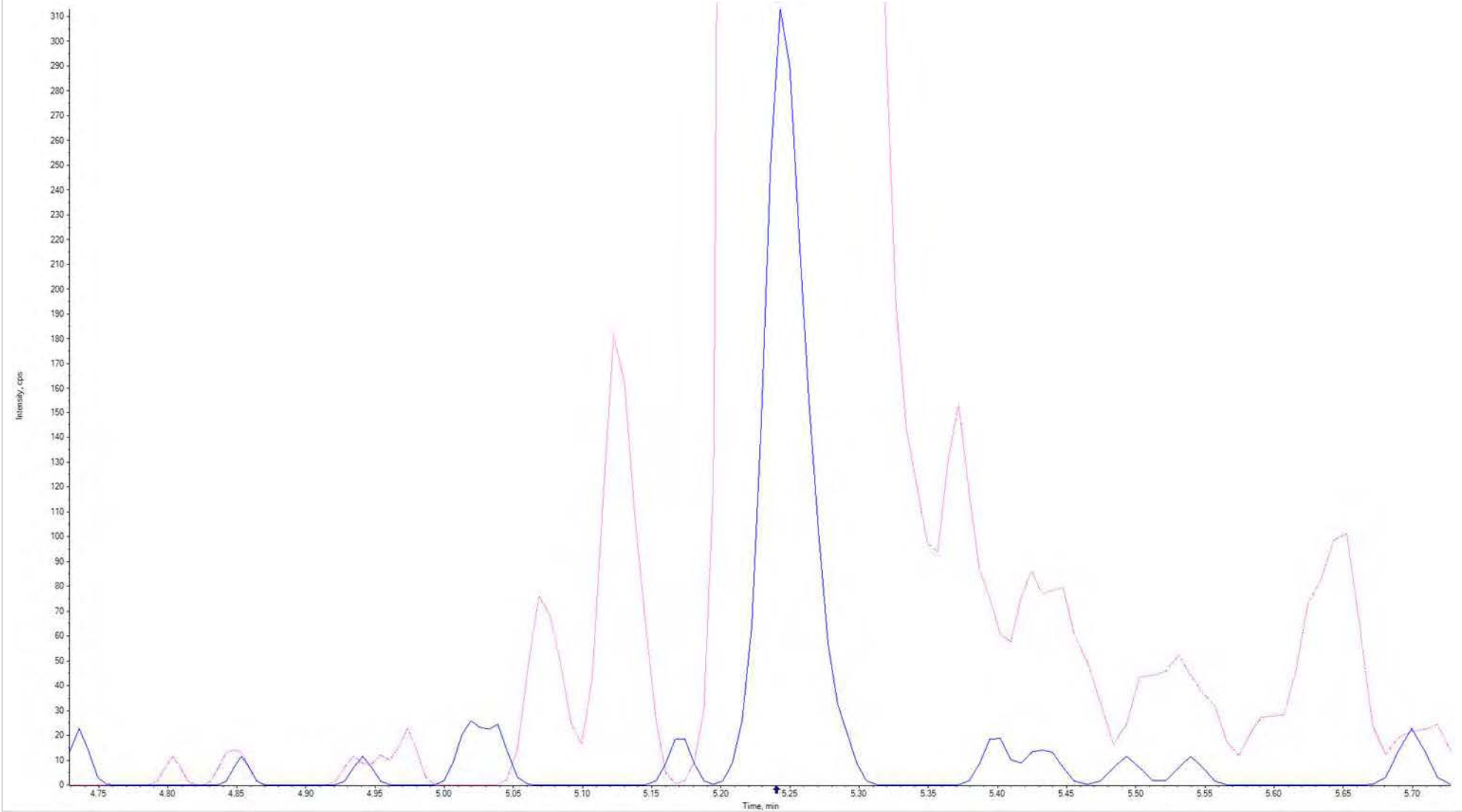
8:2FTS_2
Sample: L2512368-10 S/N:N/A Points Across peak:N/A



PFOSA
Sample: L2512368-10 S/N:N/A Points Across peak:N/A



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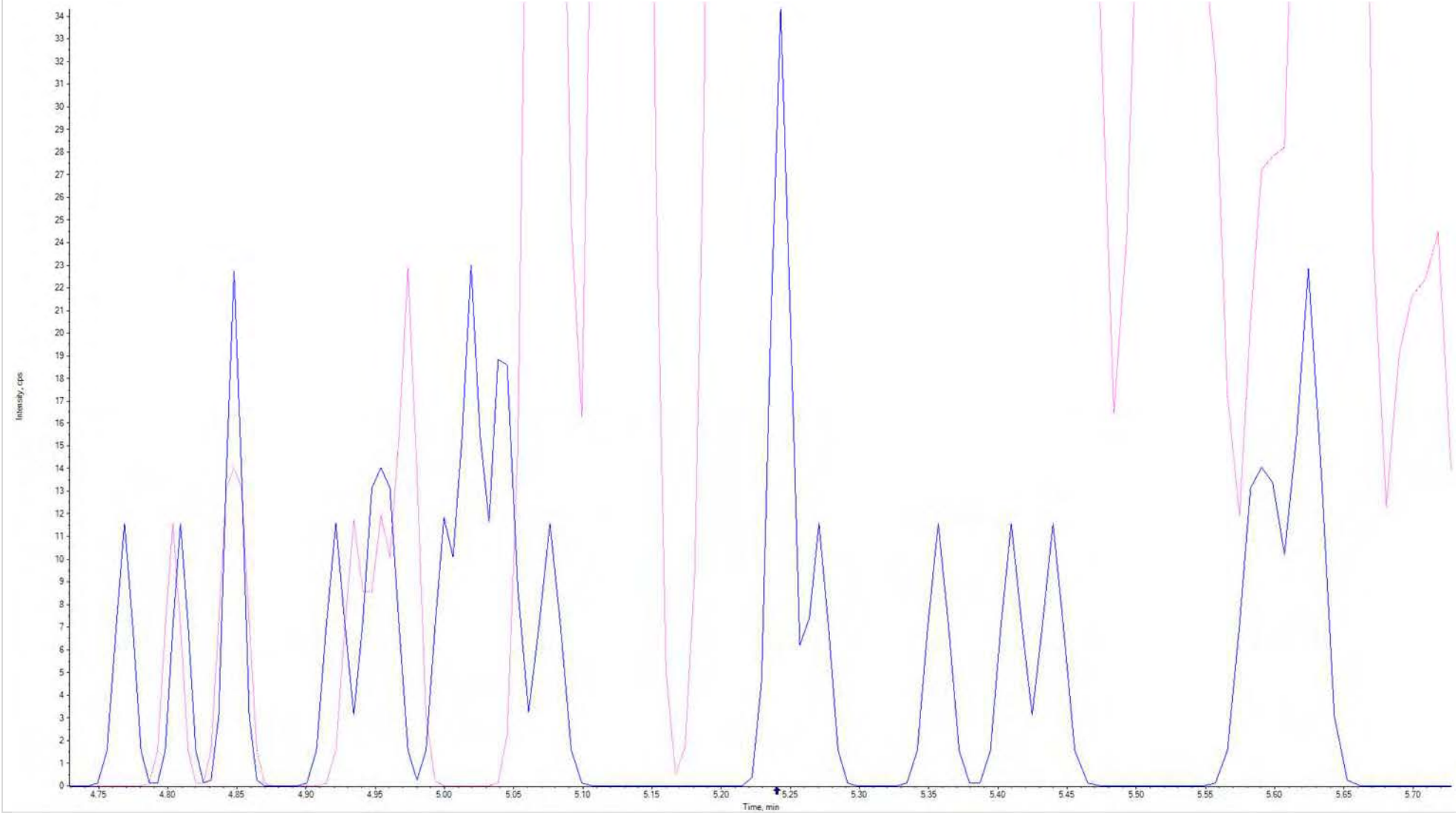
PFOSA_2
Sample: L2512368-10 S/N:N/A Points Across peak:N/A



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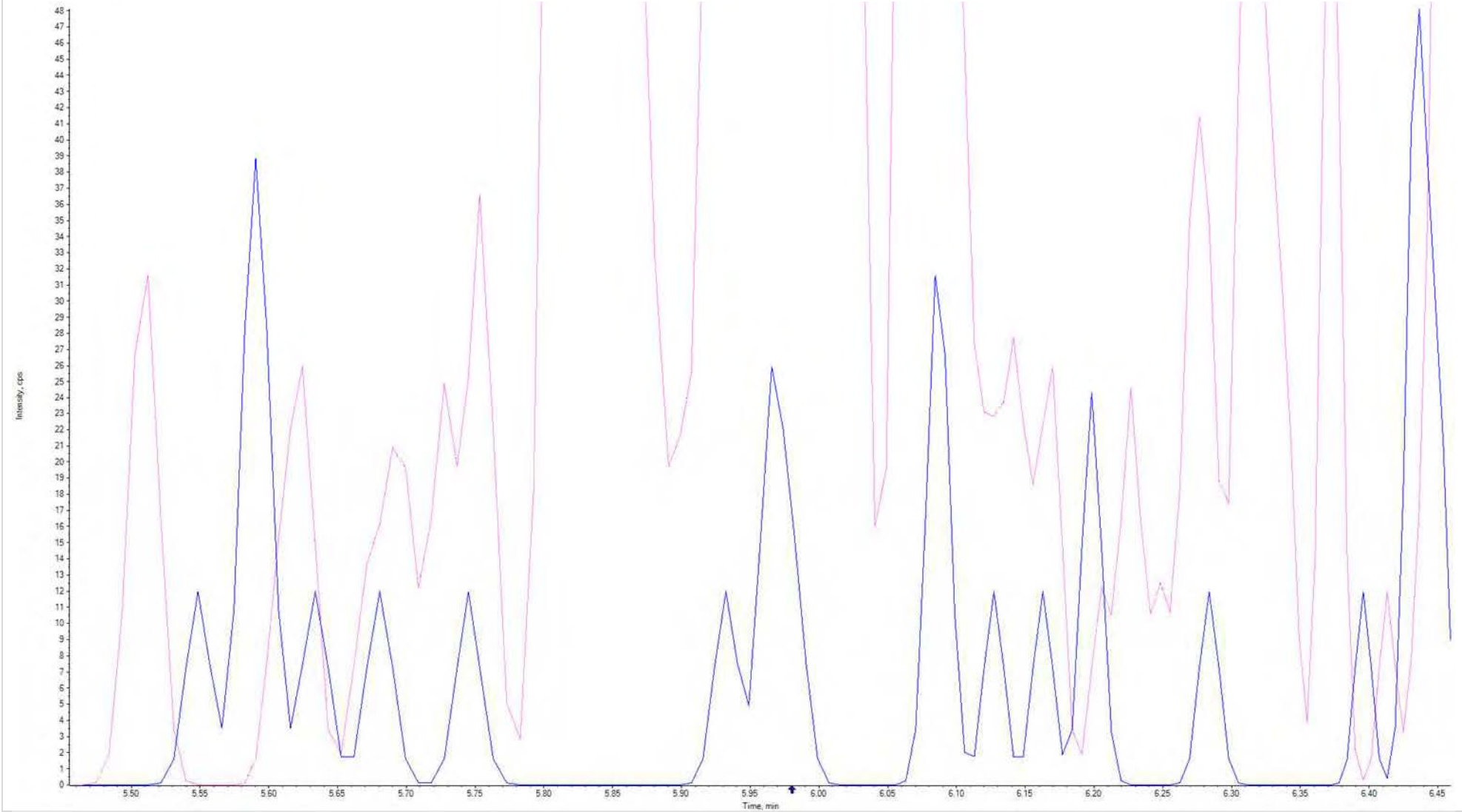
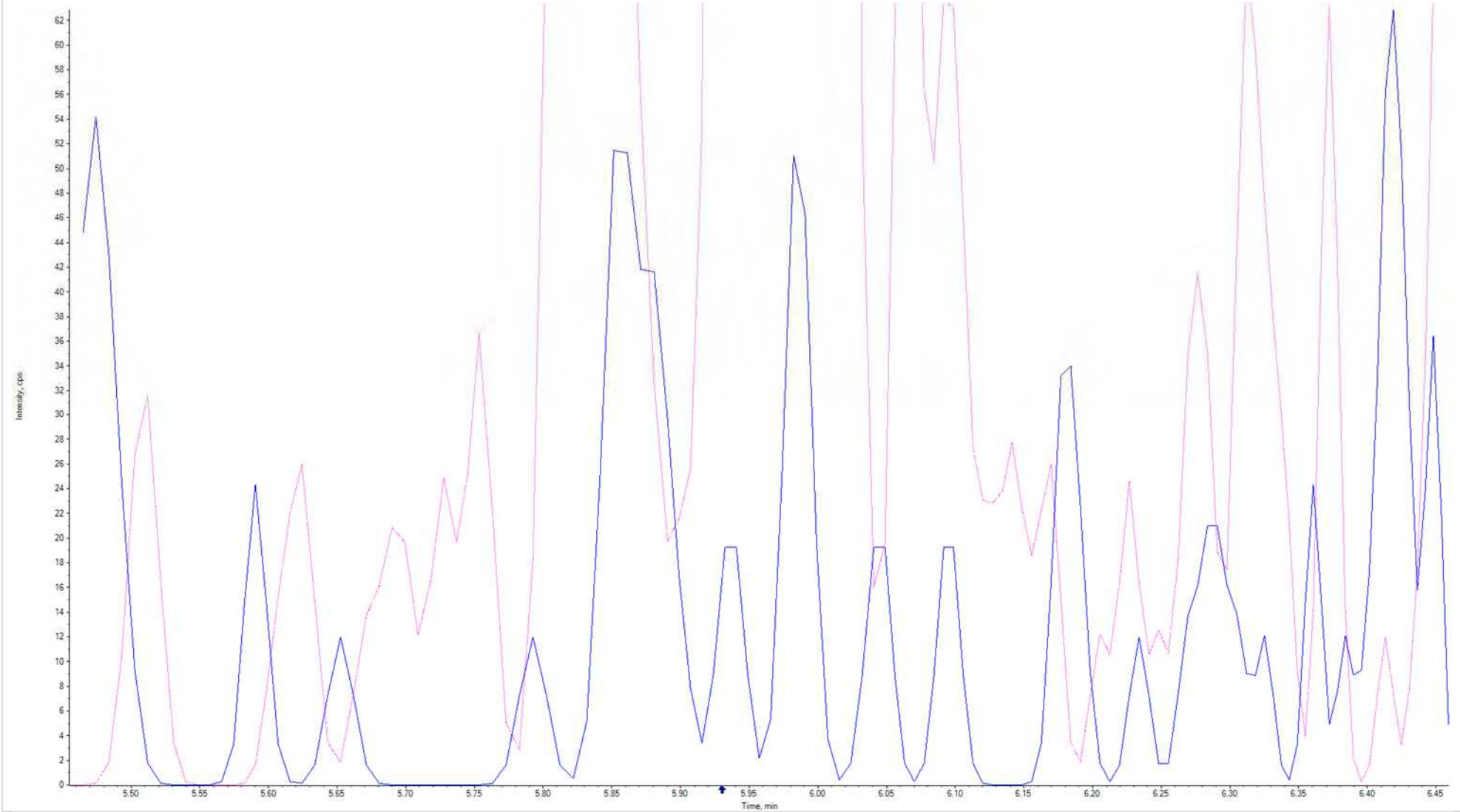
NMeFOSA
Sample: L2512368-10 S/N:N/A Points Across peak:N/A



NMeFOSA_2
Sample: L2512368-10 S/N:N/A Points Across peak:N/A



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NEtFOSA
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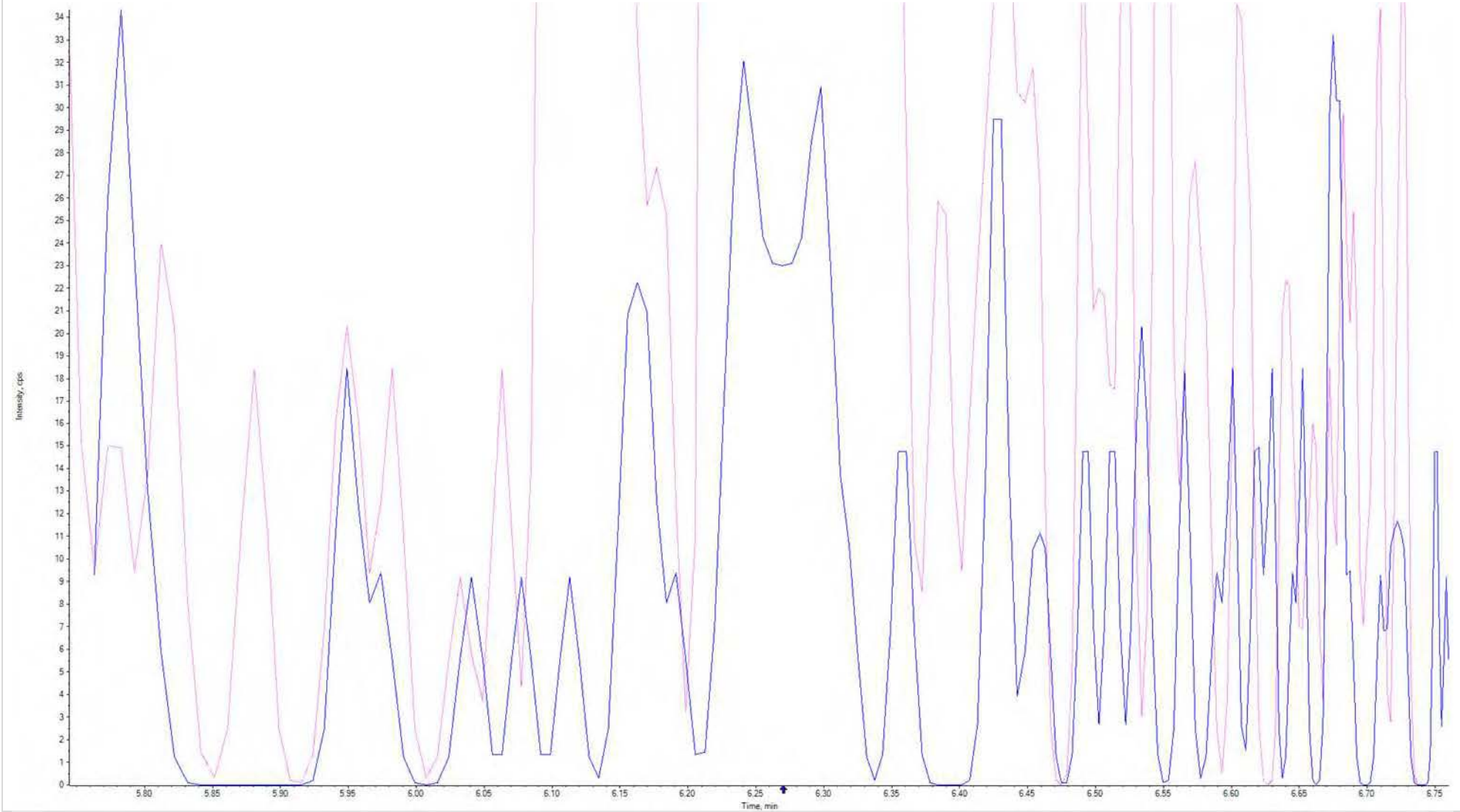

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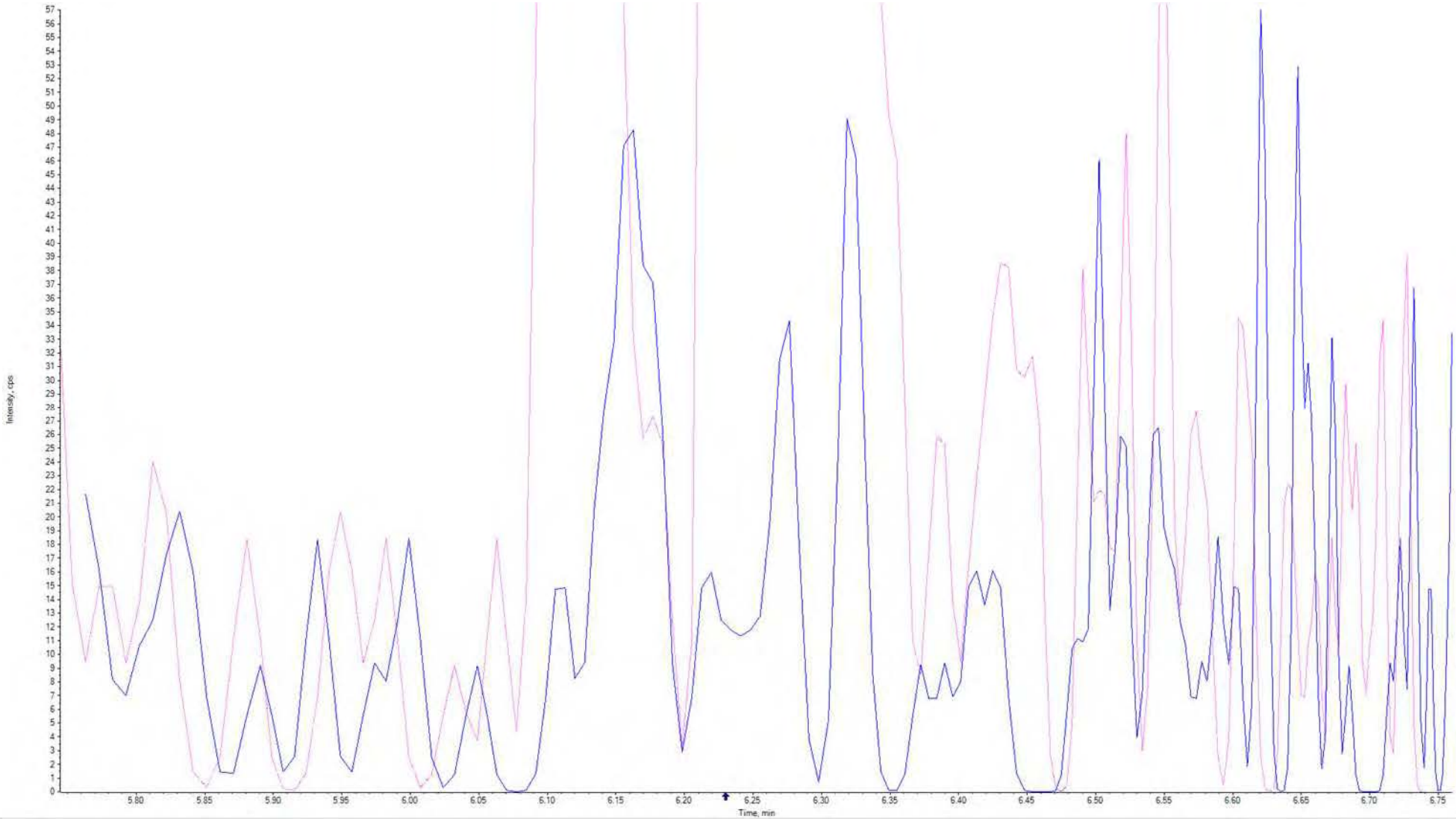

NMeFOSAA
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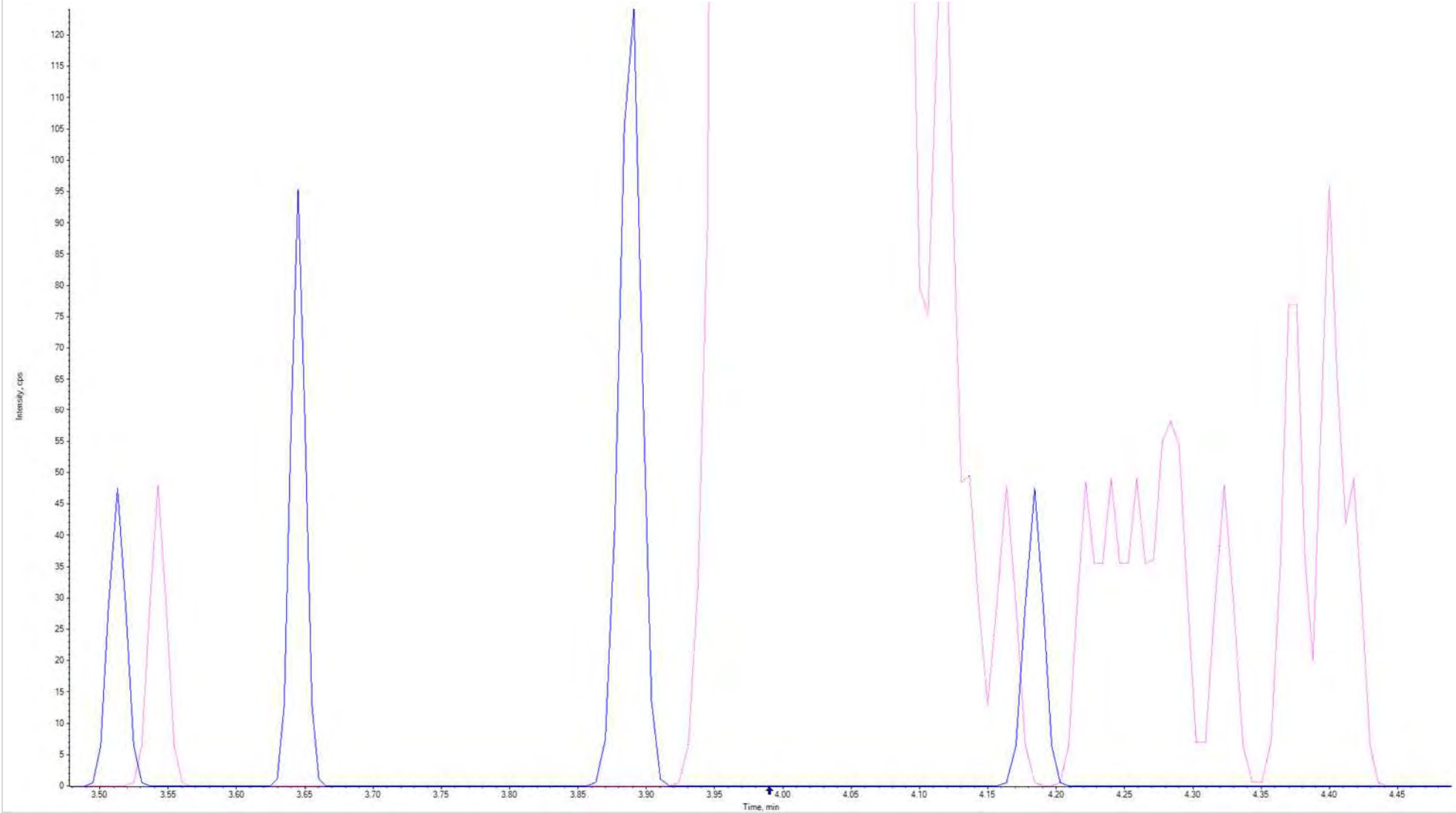

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NMeFOSAA_2
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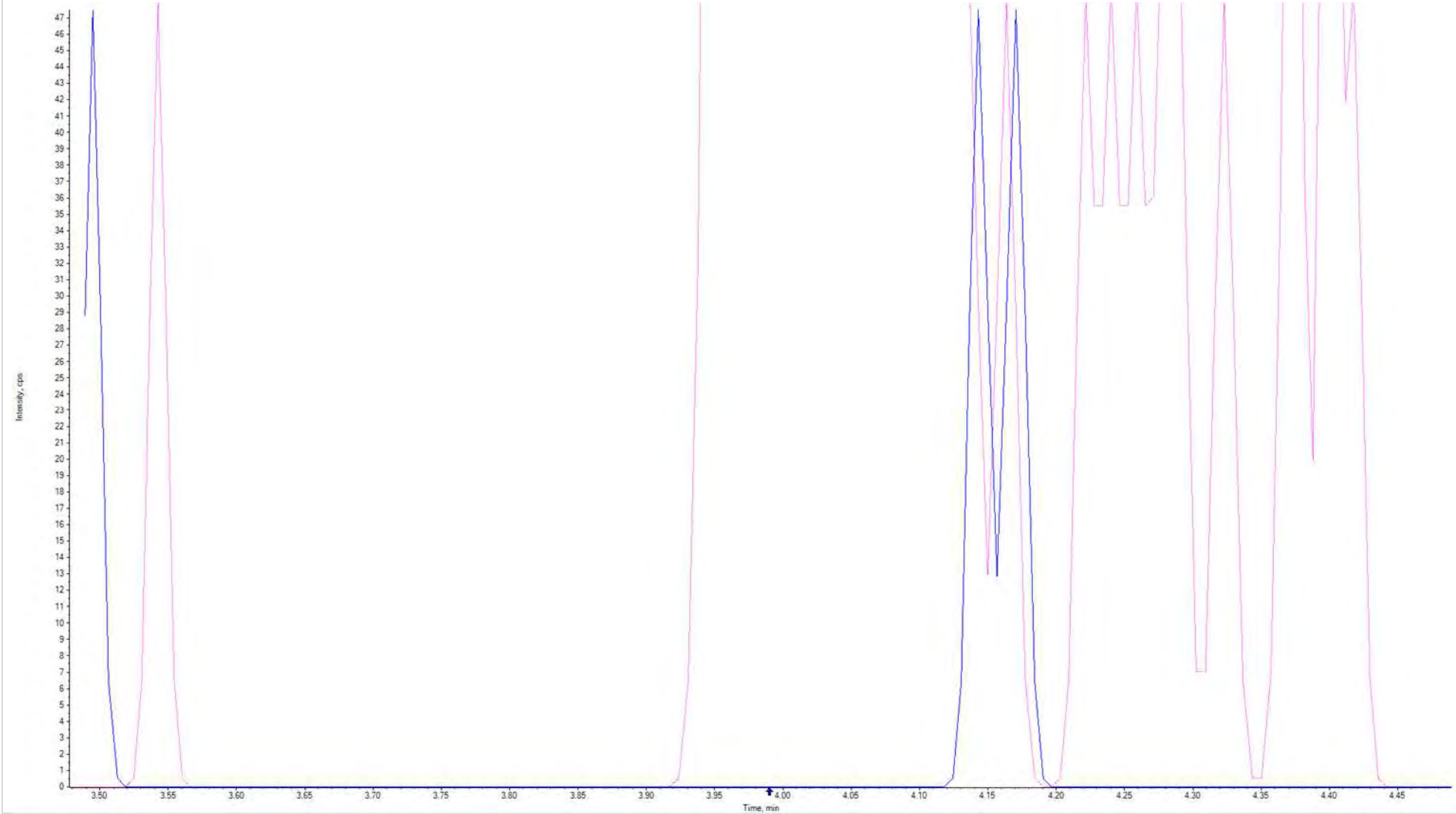

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NEtFOSAA
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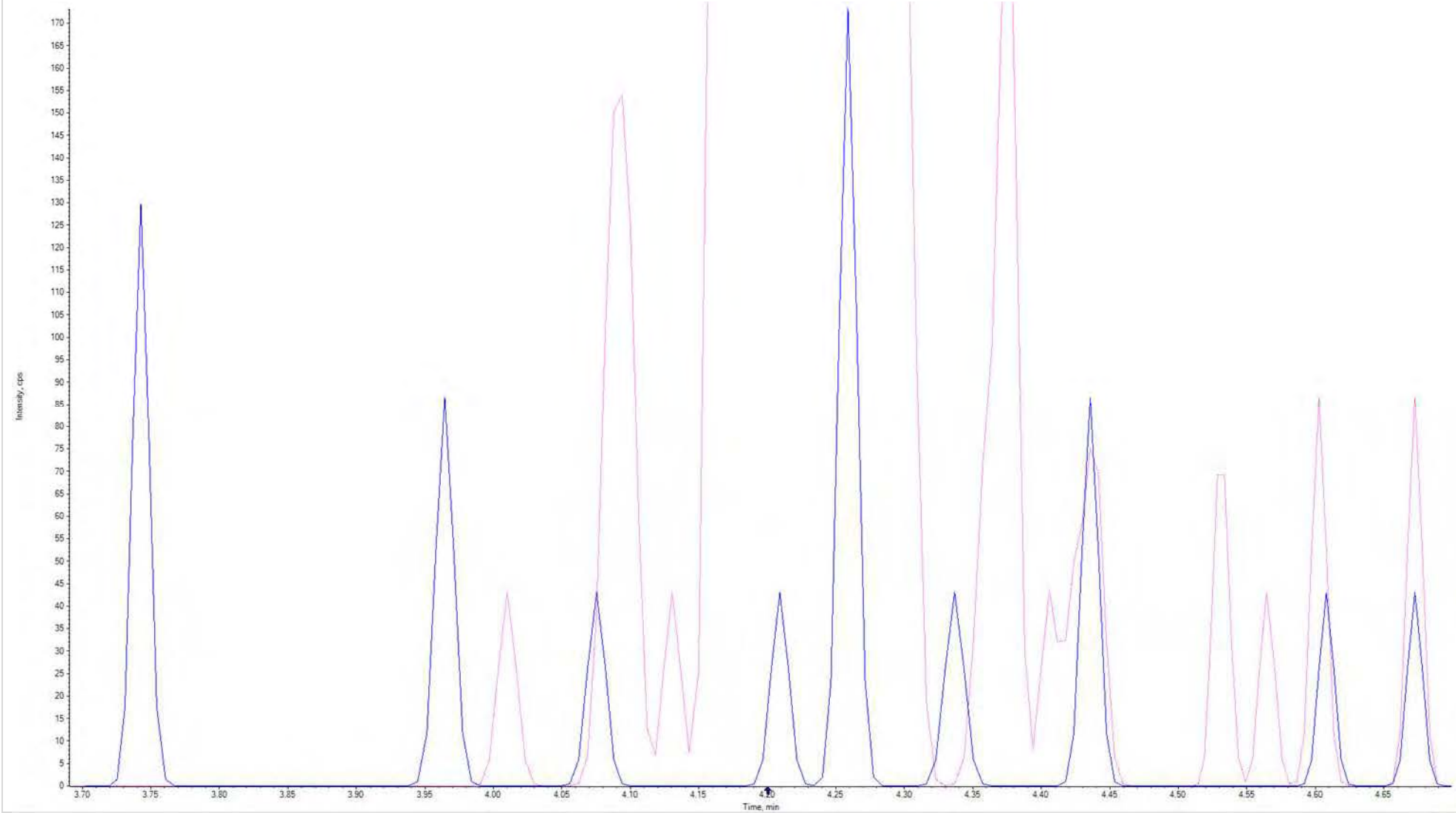

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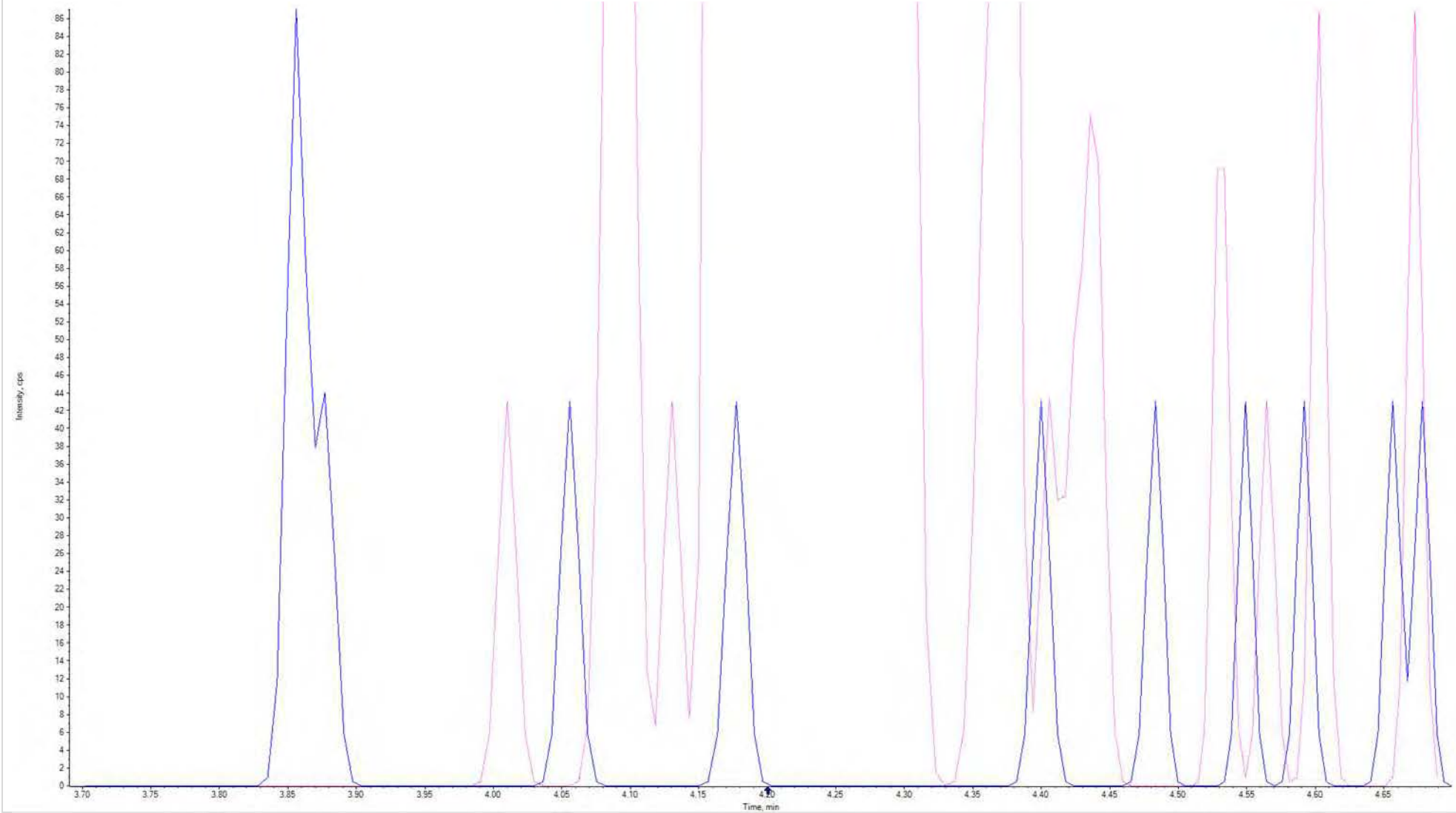

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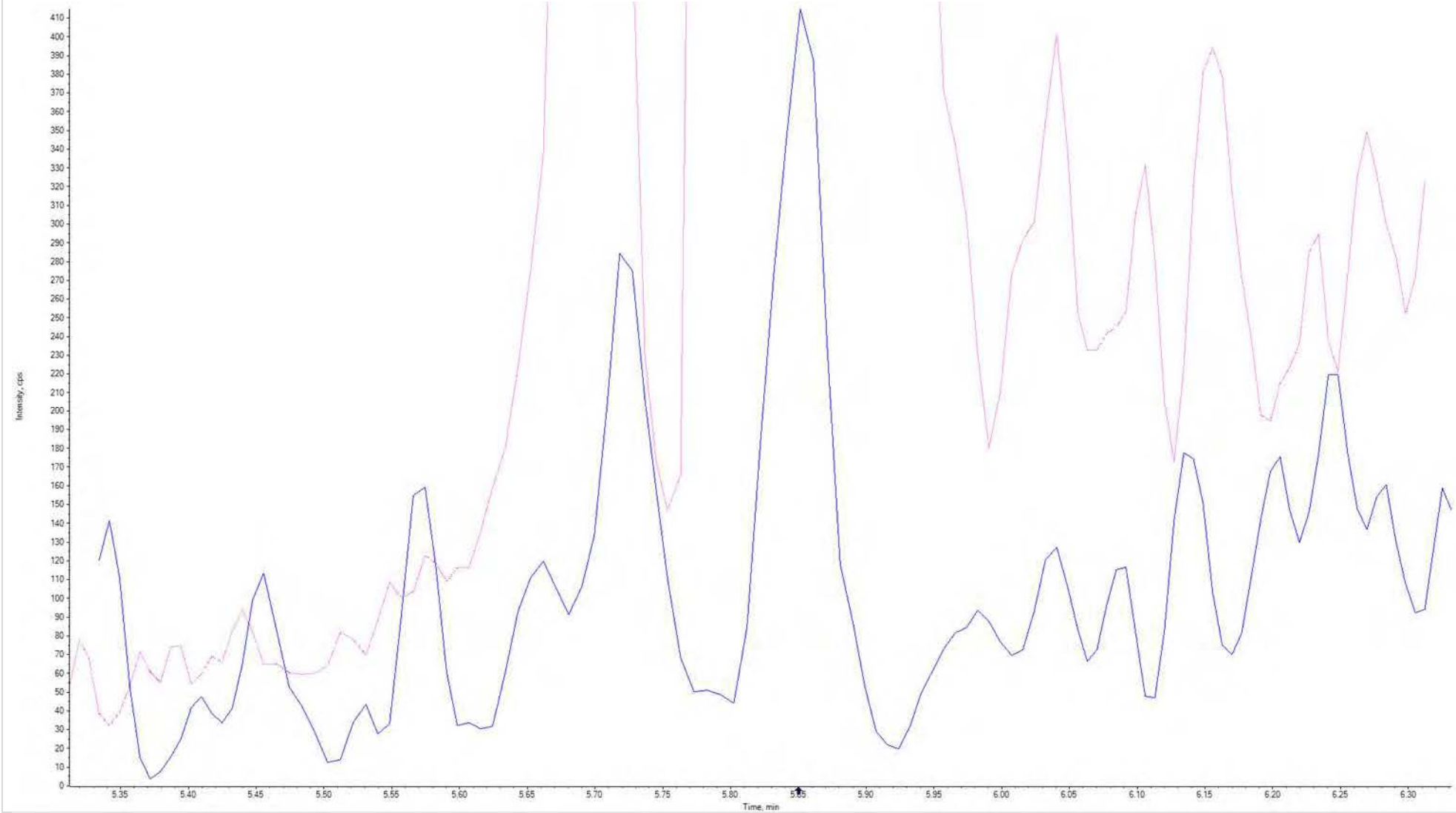
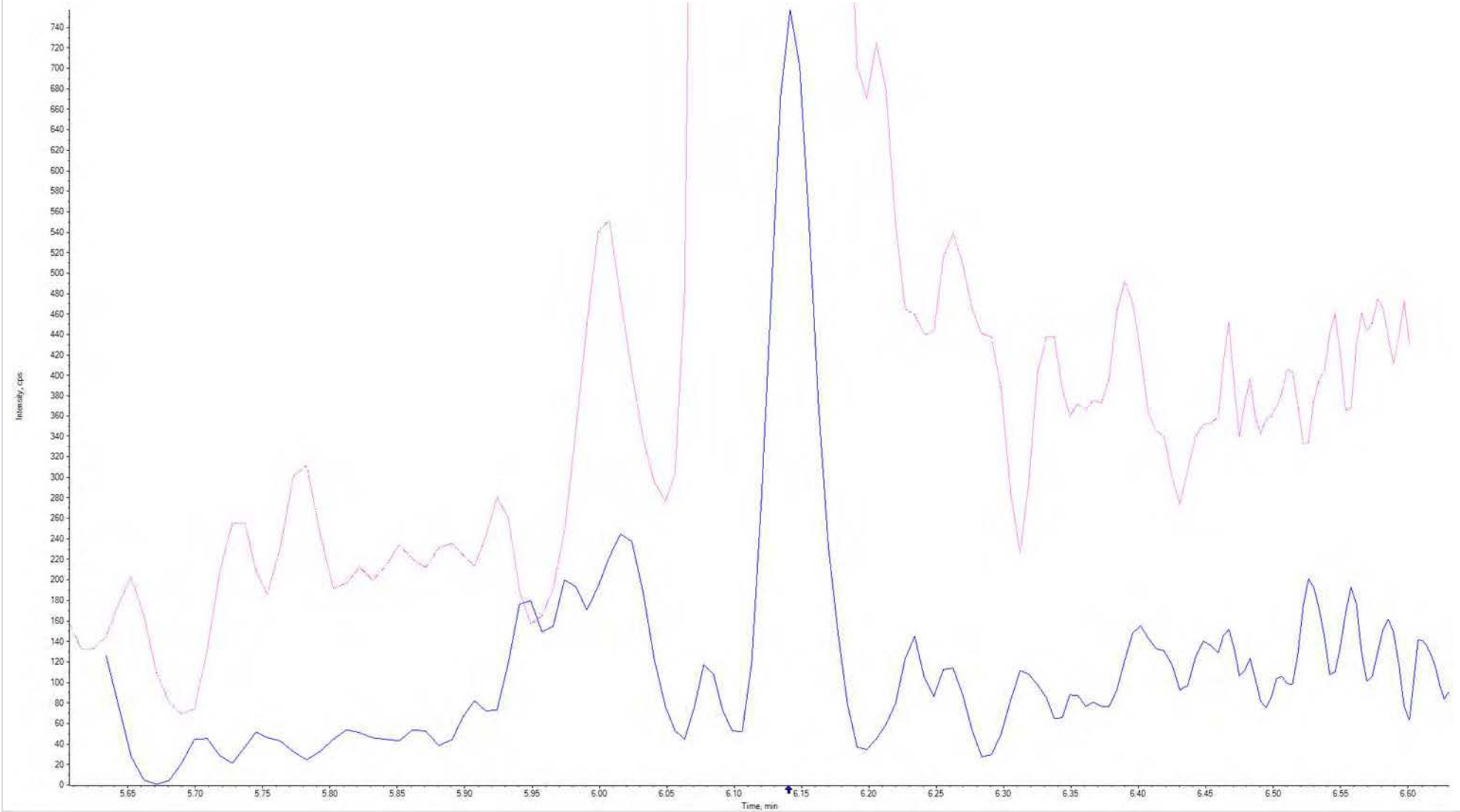
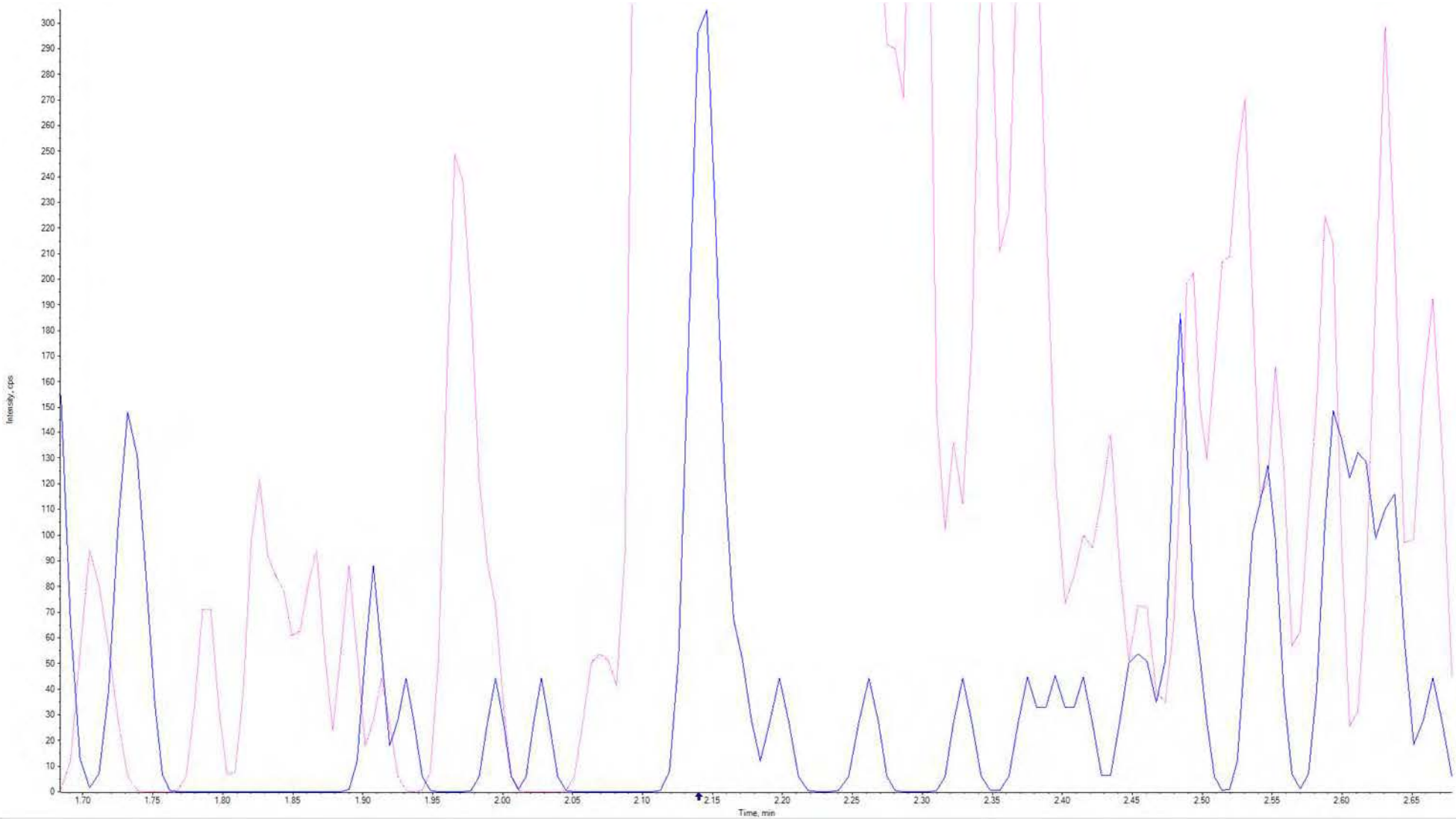
NMeFOSE
Sample: L2512368-10 S/N:N/A Points Across peak:N/A



NEtFOSE
Sample: L2512368-10 S/N:N/A Points Across peak:N/A



HFPO-DA
Sample: L2512368-10 S/N:N/A Points Across peak:N/A



HFPO-DA_2
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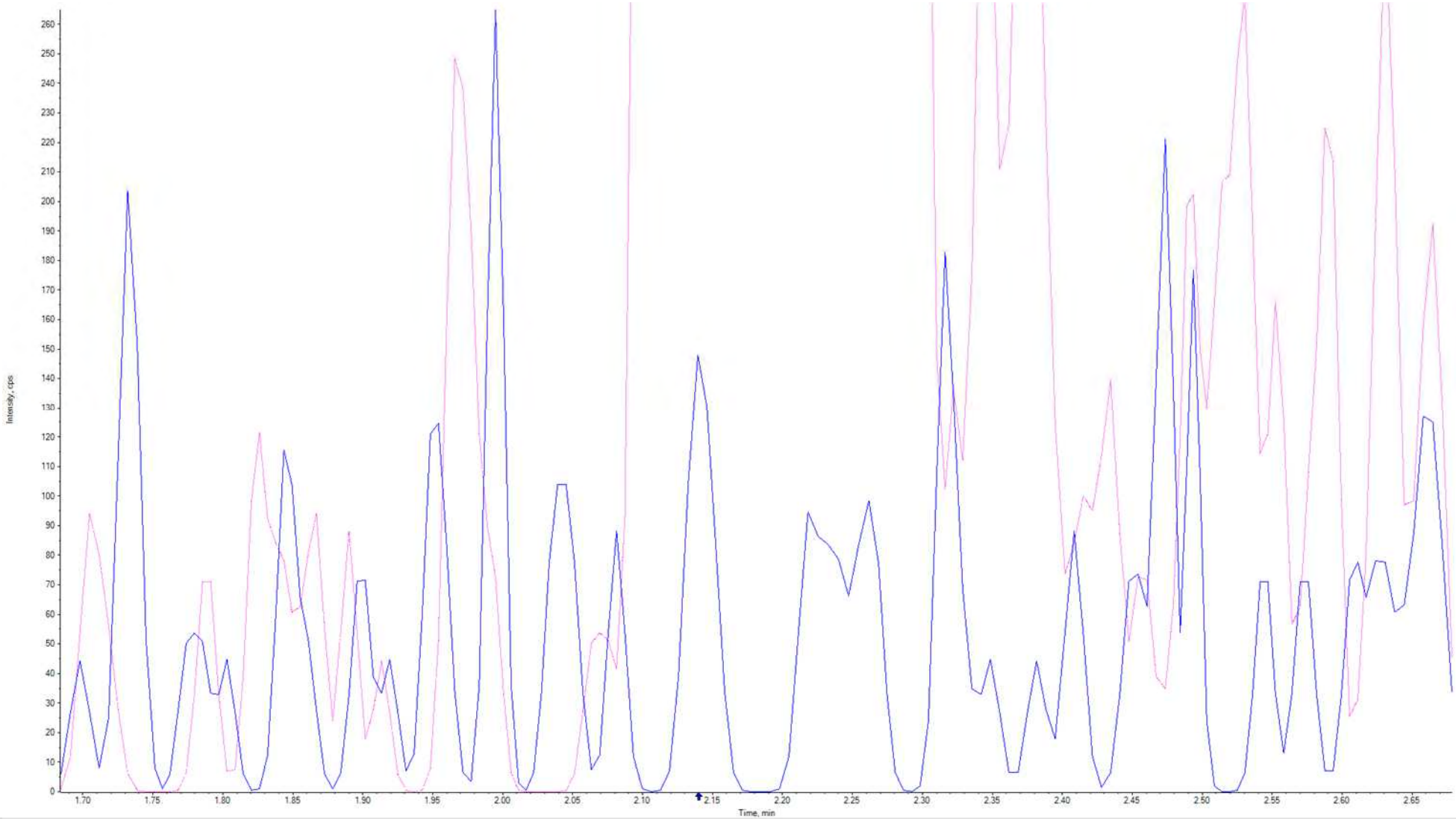

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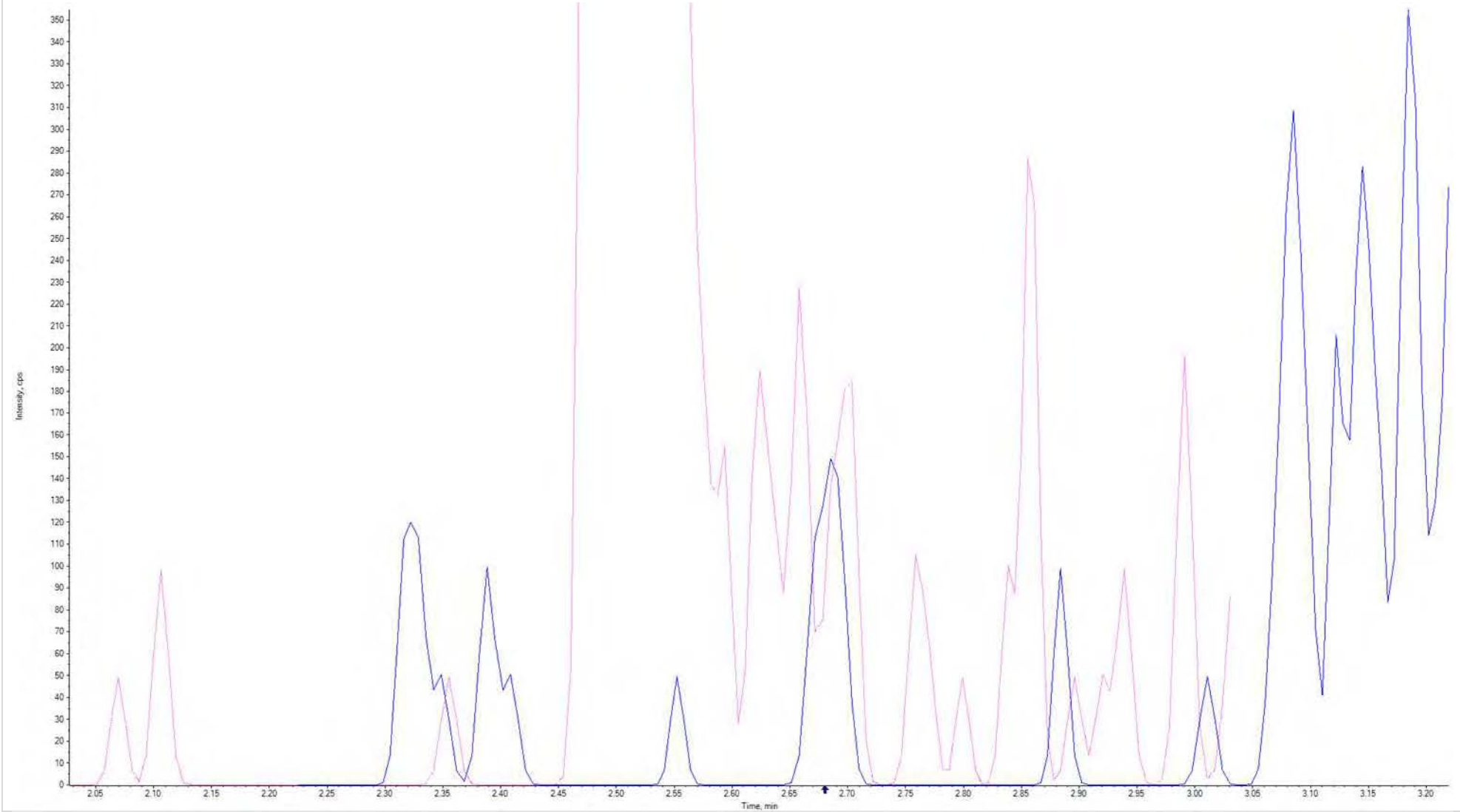
ADONA
Sample: L2512368-10 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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ADONA_2
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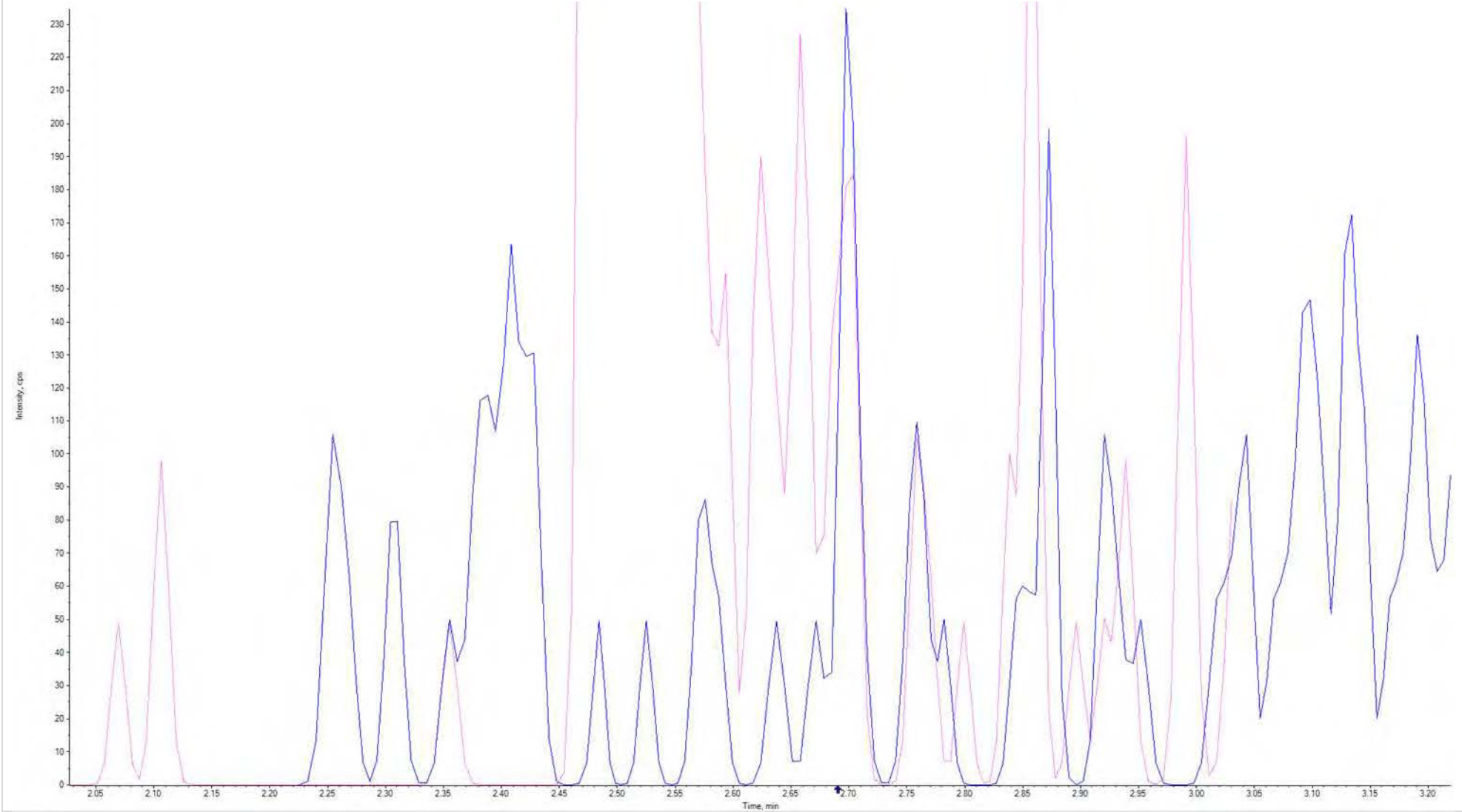

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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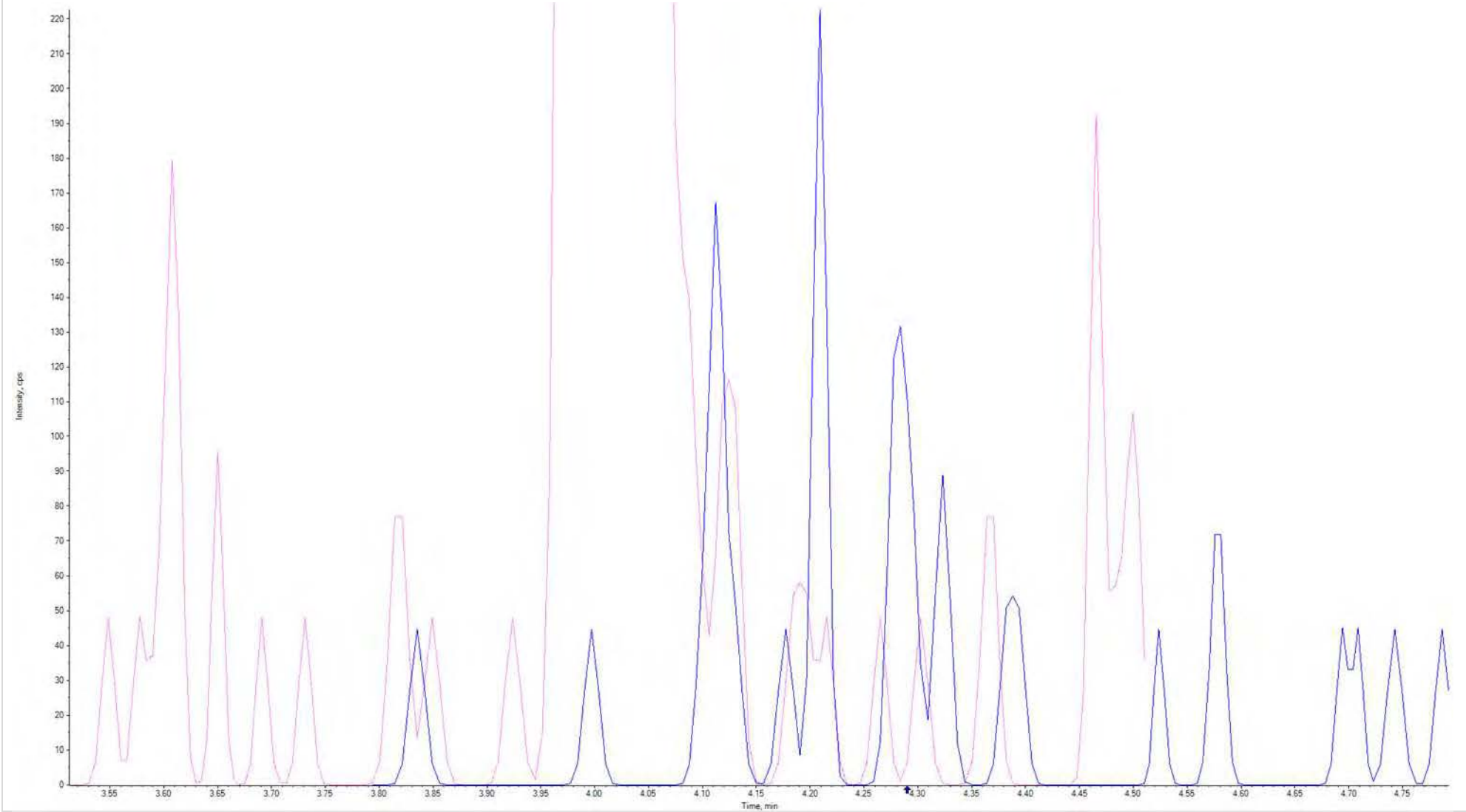
9Cl-PF3ONS
Sample: L2512368-10 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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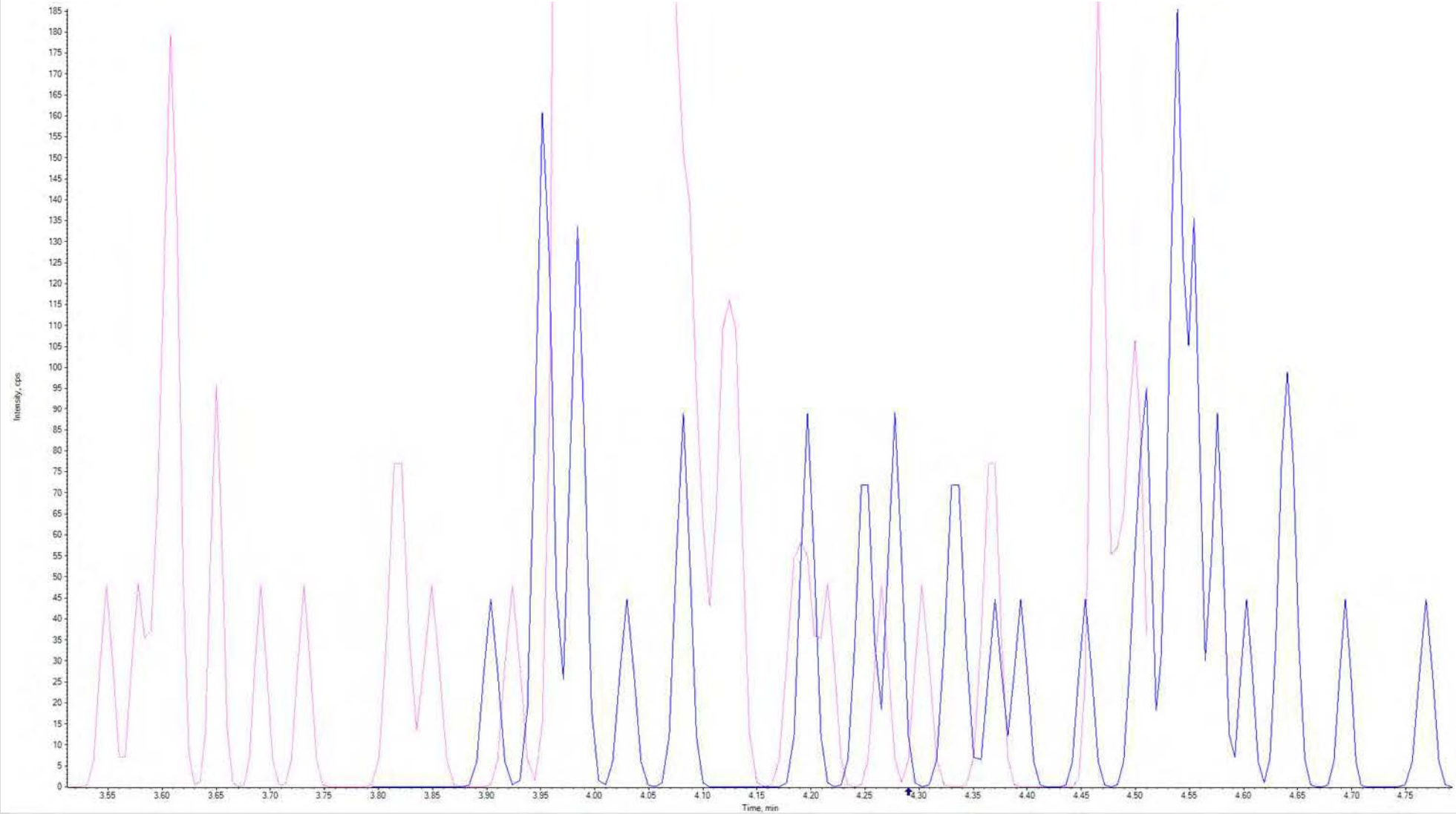
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

9Cl-PF3ONS_2
Sample: L2512368-10 S/N:N/A Points Across peak:N/A



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Alpha Analytical LLC
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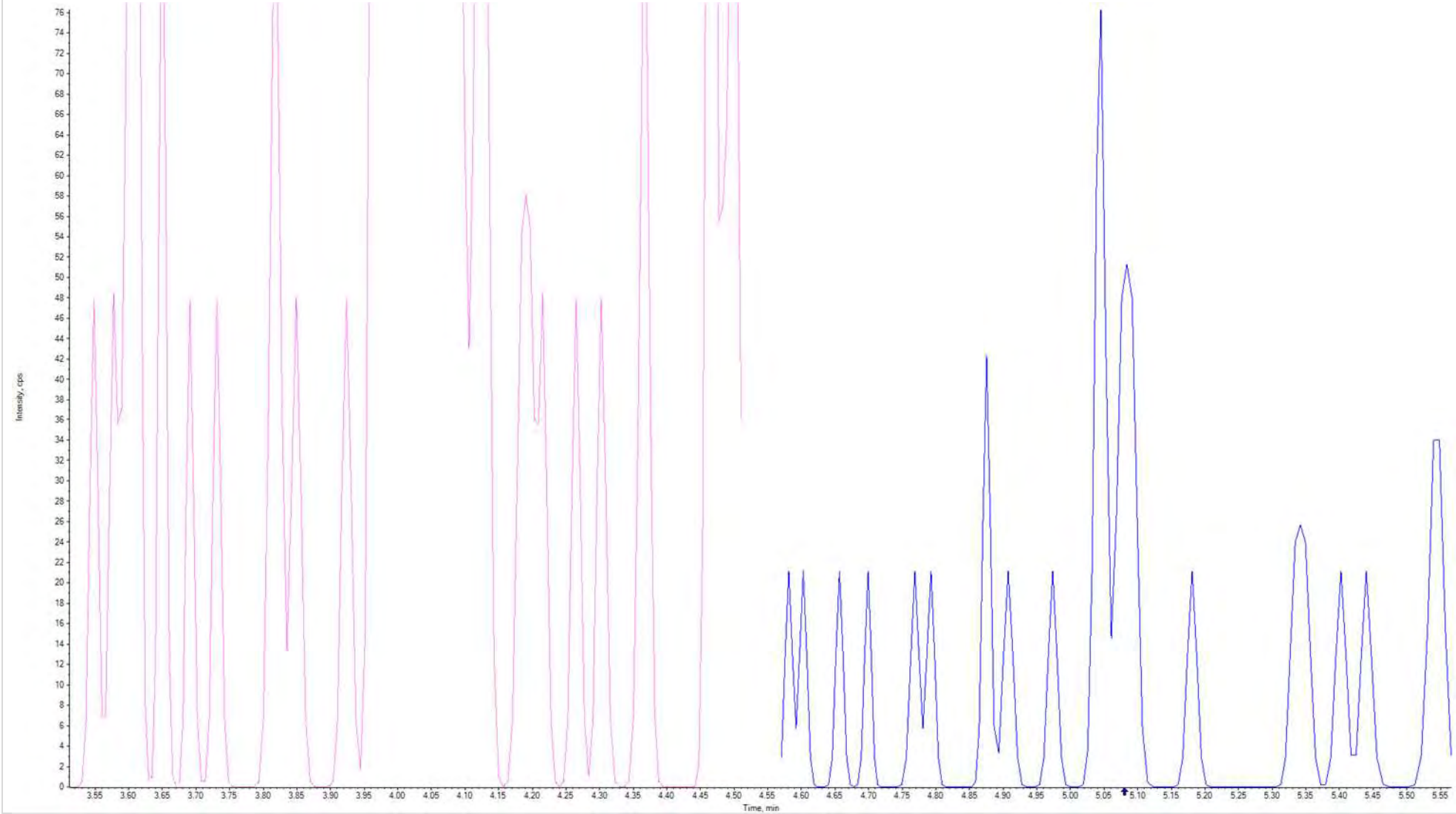
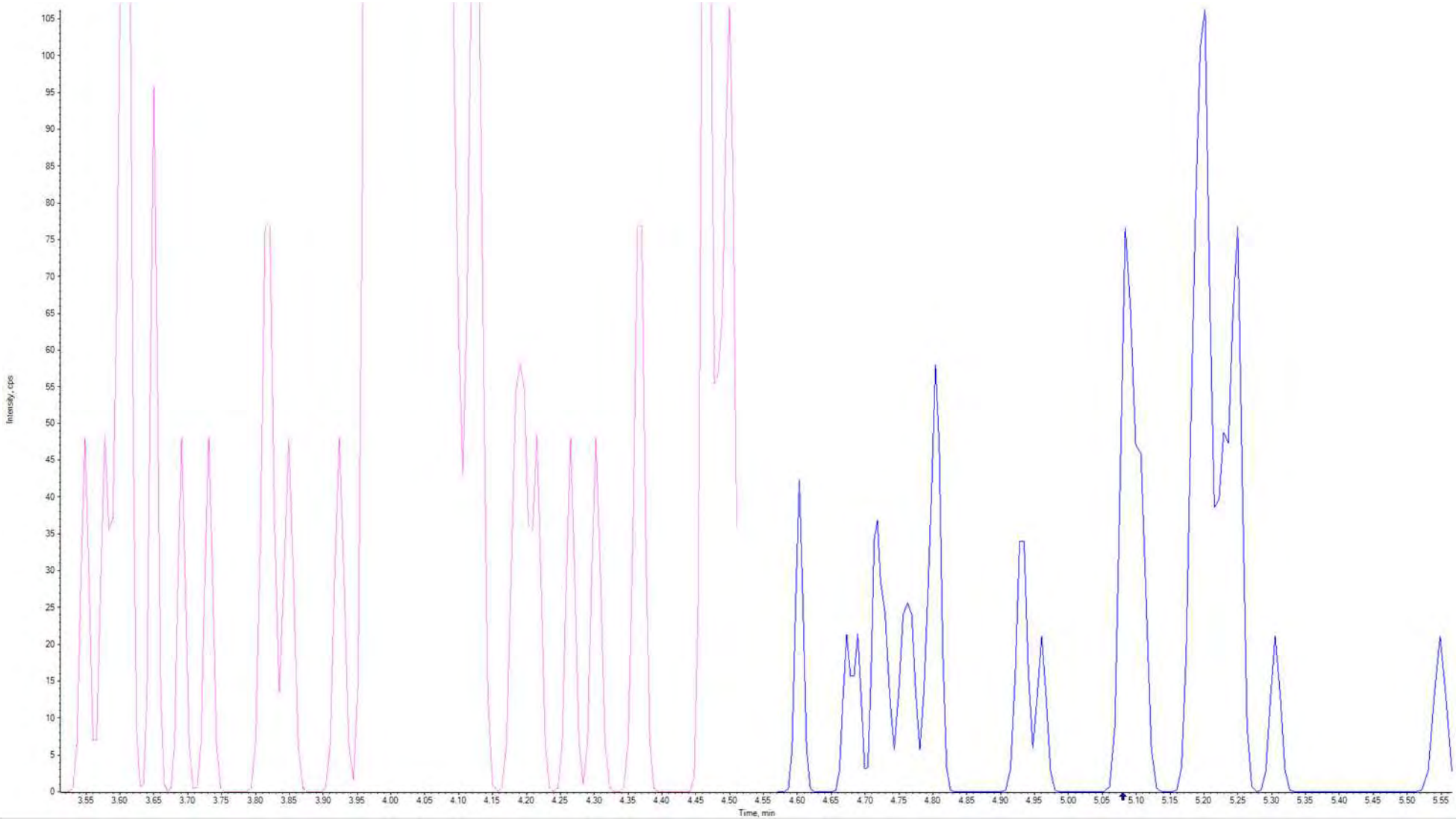
11Cl-PF3OUdS
Sample: L2512368-10 S/N:N/A Points Across peak:N/A



11Cl-PF3OUdS_2
Sample: L2512368-10 S/N:N/A Points Across peak:N/A



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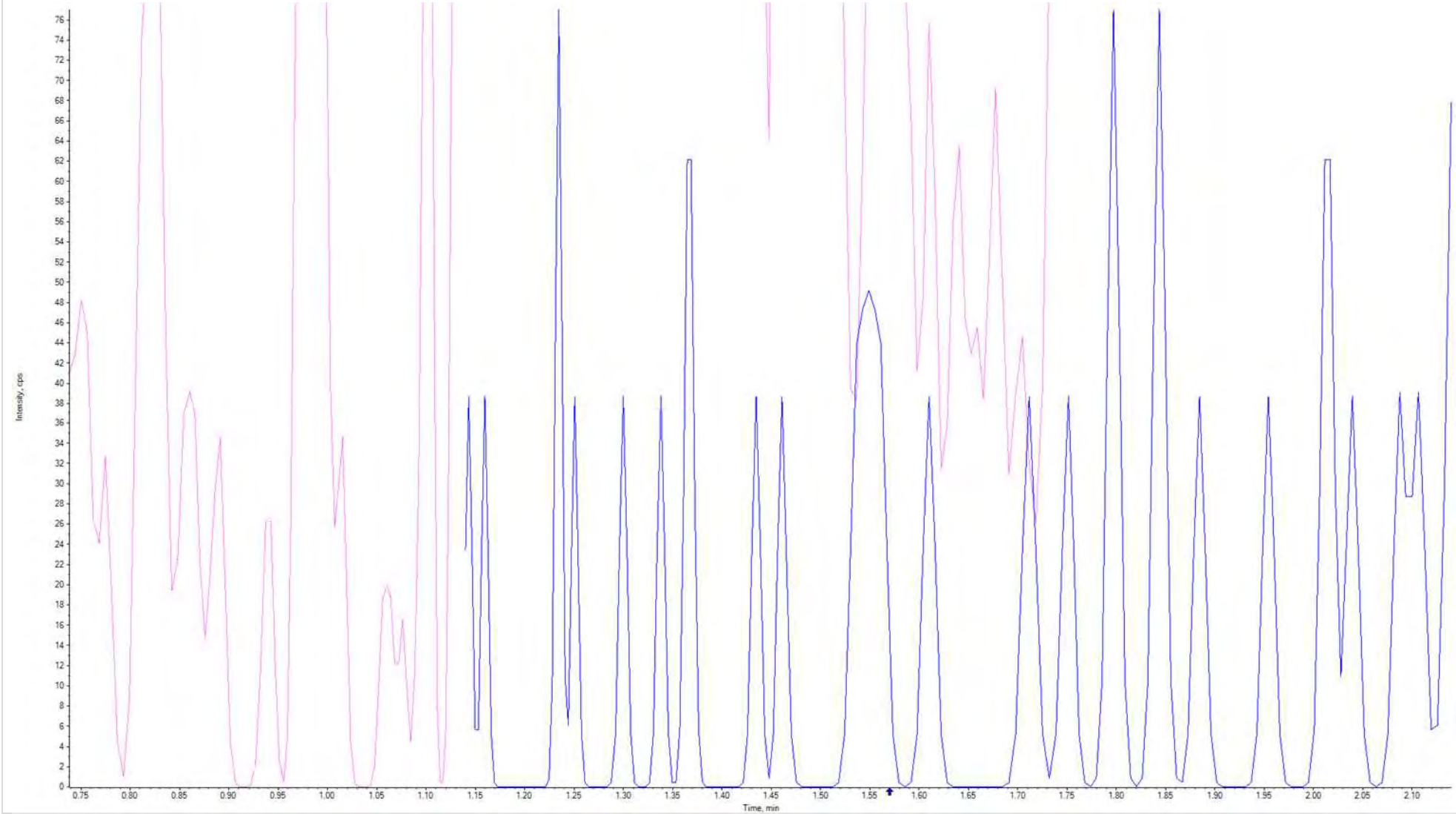
3:3FTCA
Sample: L2512368-10 S/N:N/A Points Across peak:N/A



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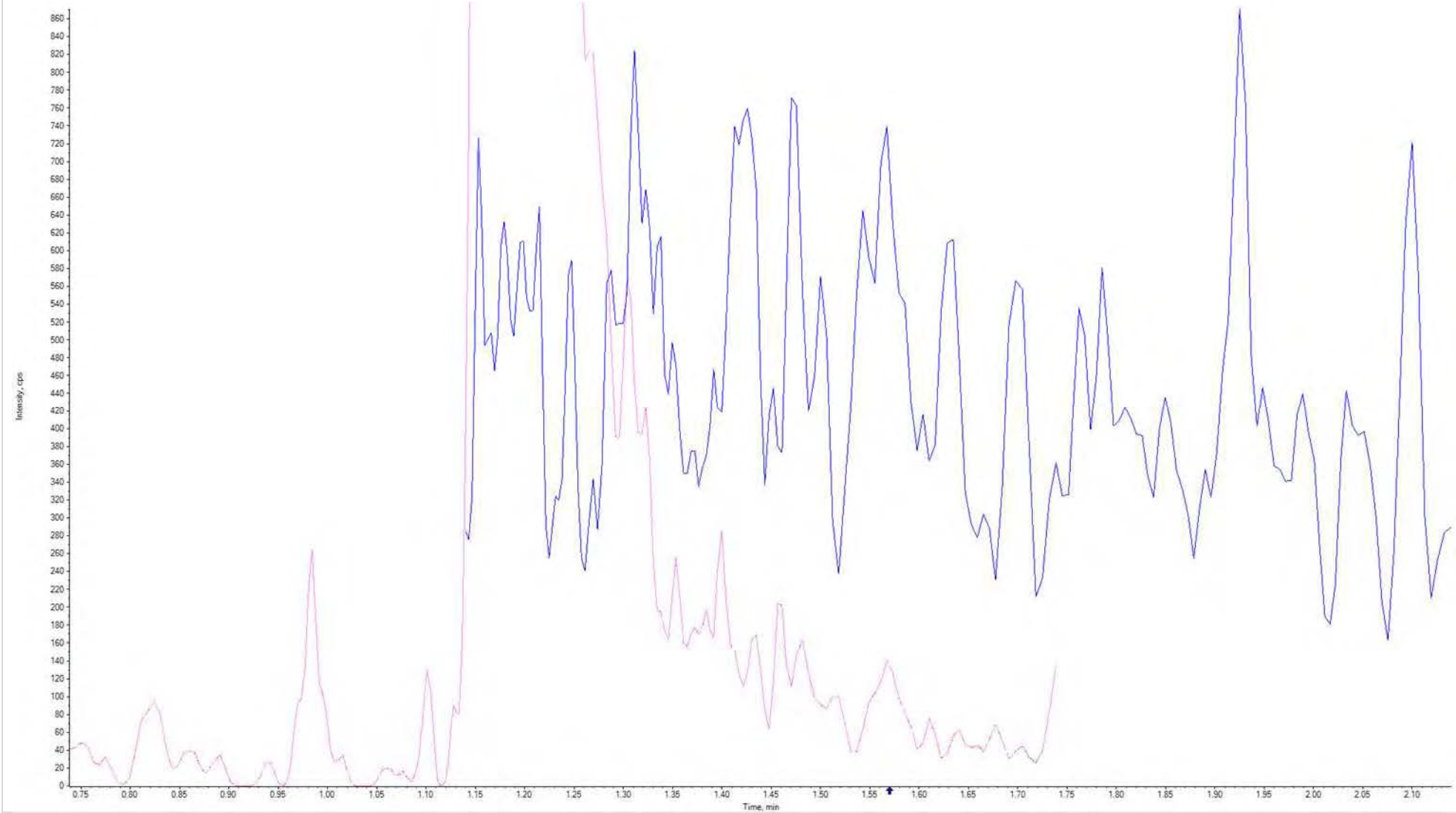
3:3FTCA_2
Sample: L2512368-10 S/N:N/A Points Across peak:N/A



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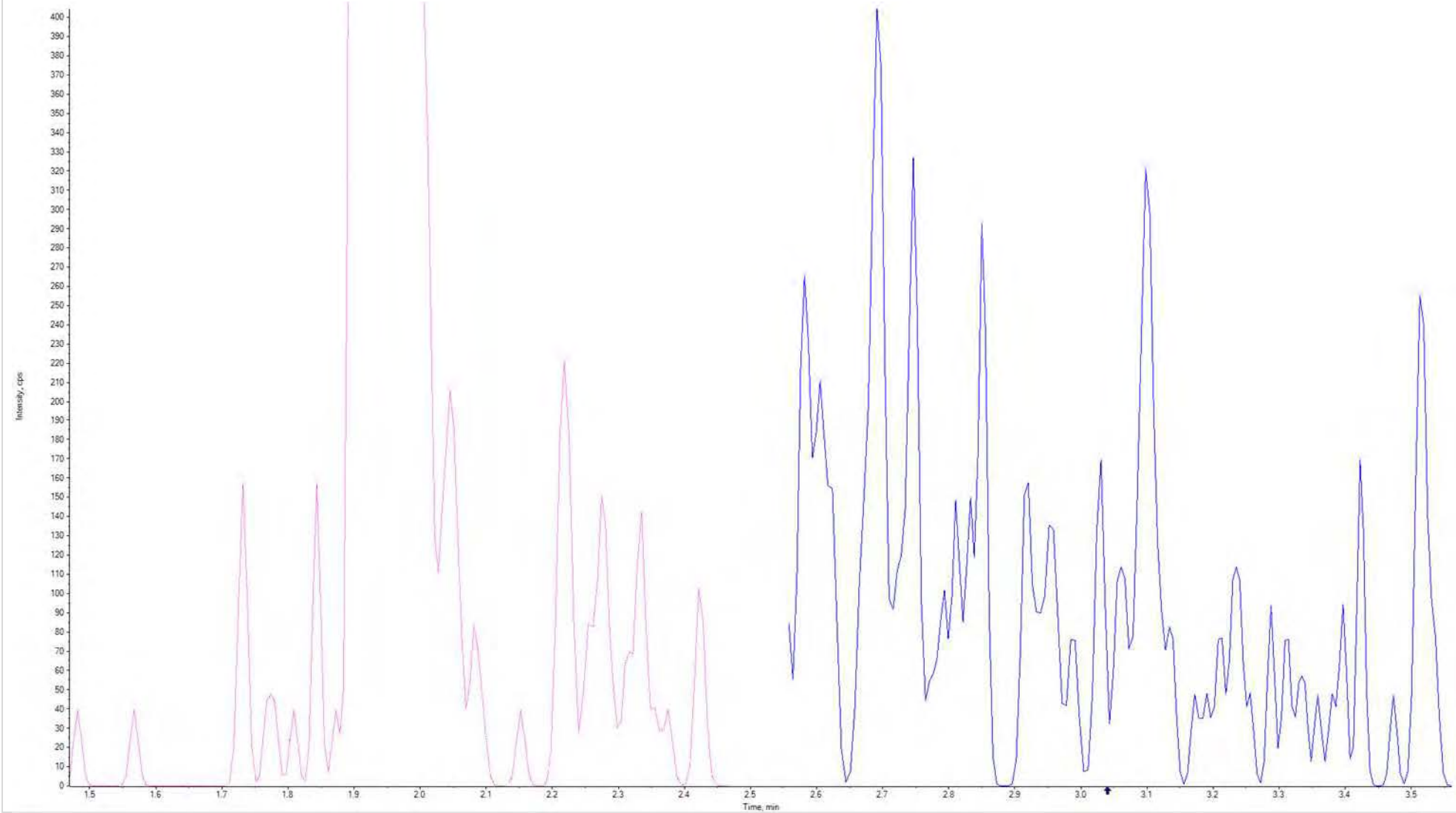
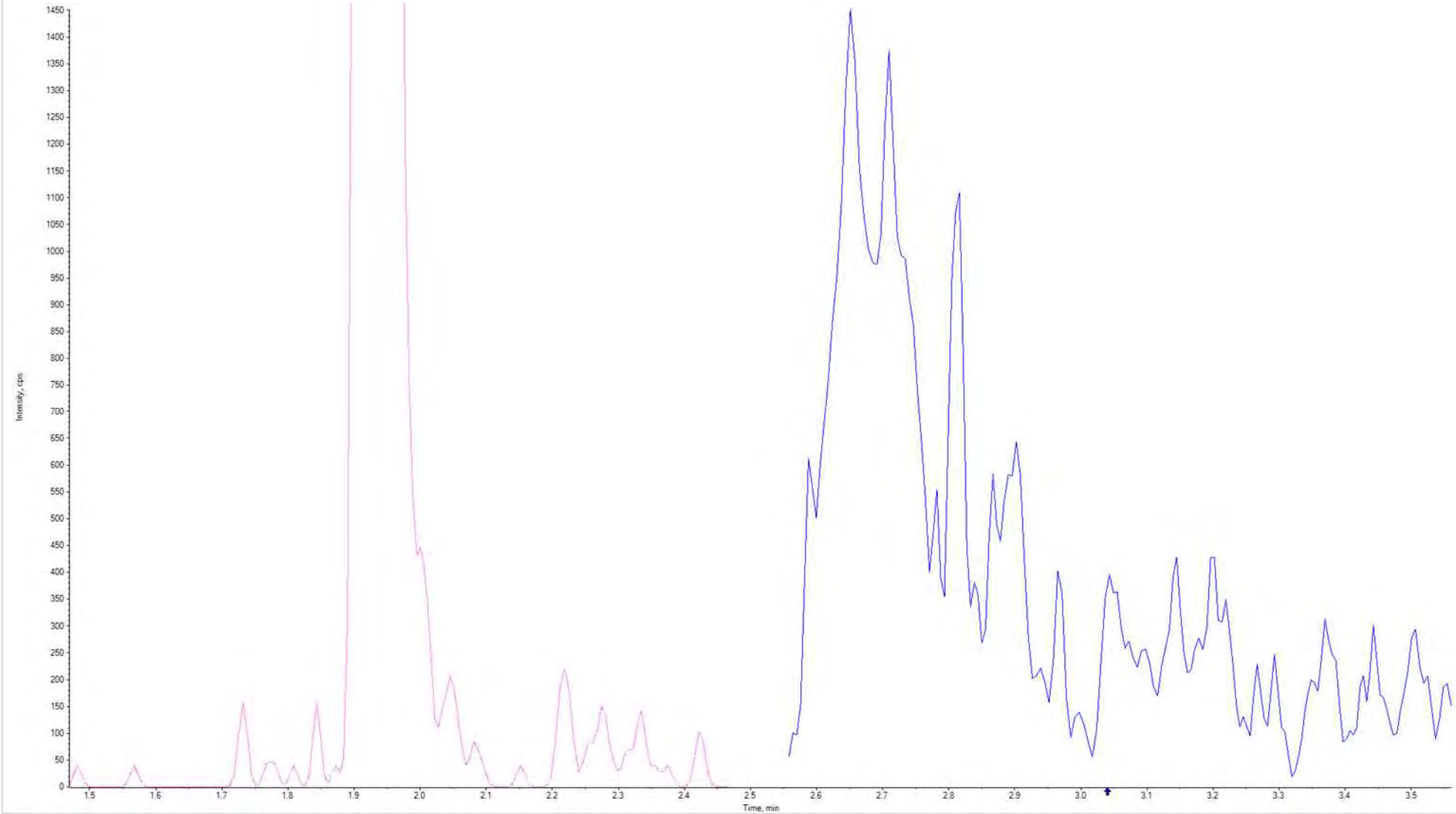
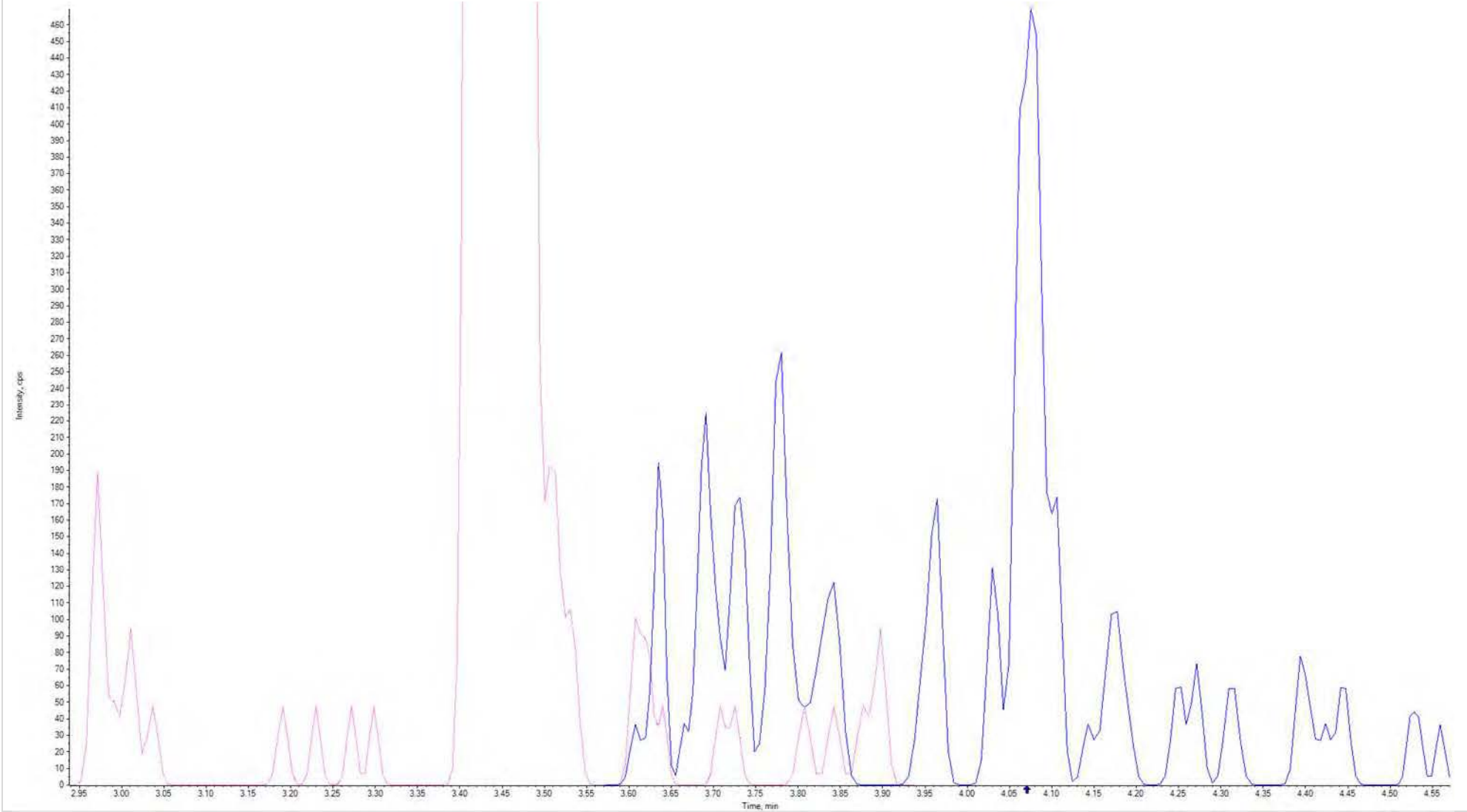
5:3FTCA
Sample: L2512368-10 S/N:N/A Points Across peak:N/A



5:3FTCA_2
Sample: L2512368-10 S/N:N/A Points Across peak:N/A



7:3FTCA
Sample: L2512368-10 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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Last Altered: 3/11/2025 2:07:22 PM
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7:3FTCA_2
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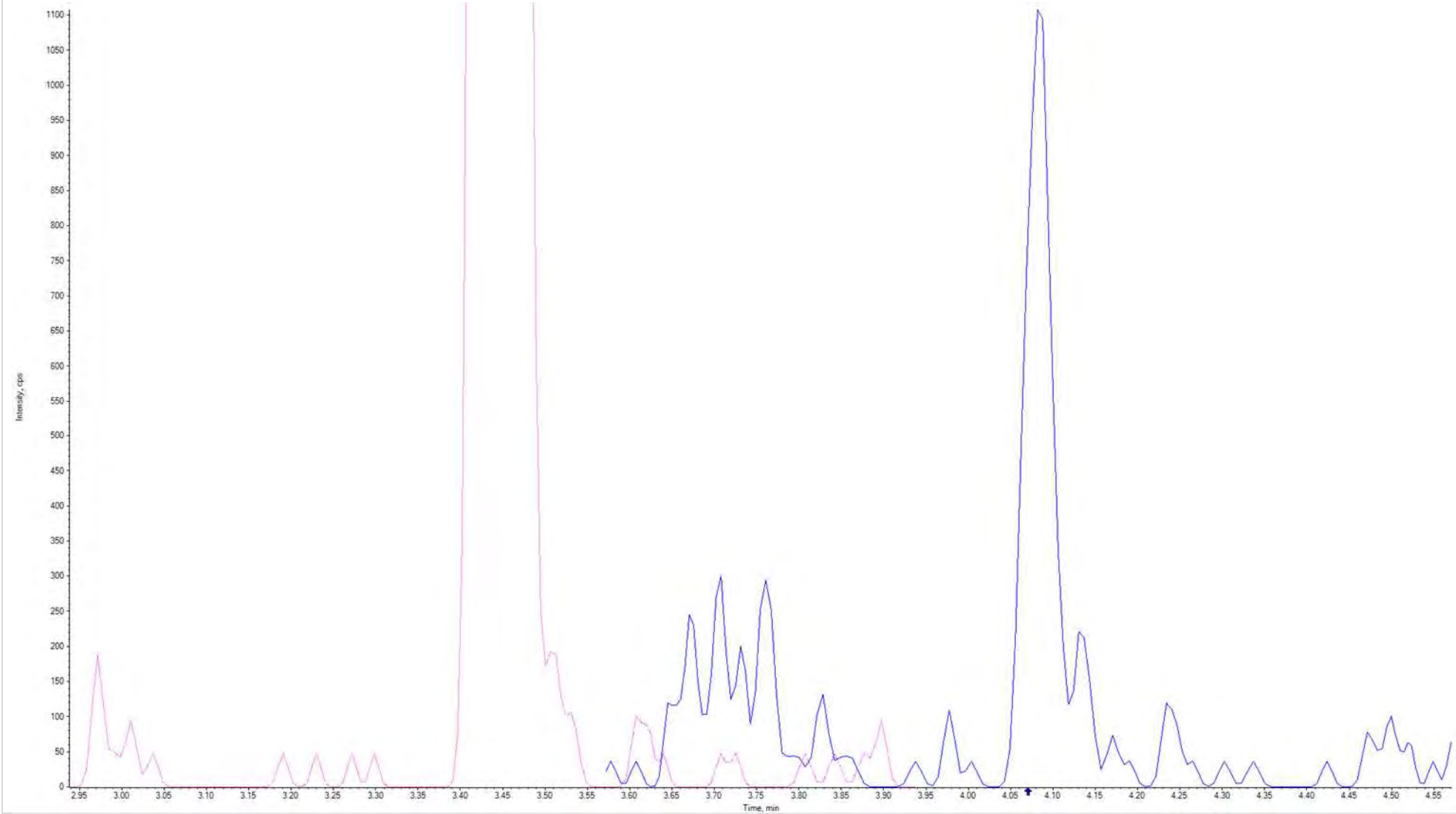

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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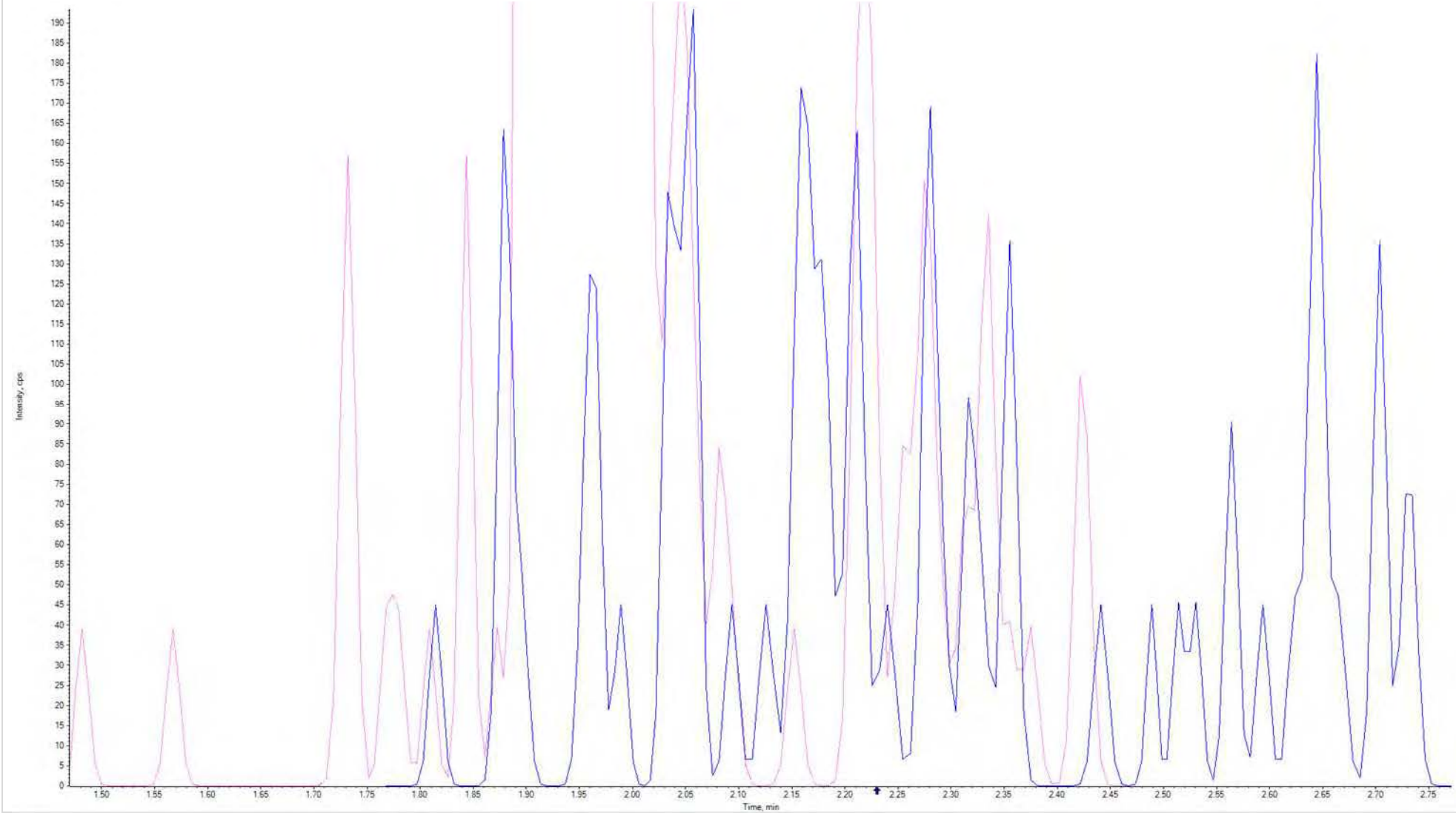
PFEESA
Sample: L2512368-10 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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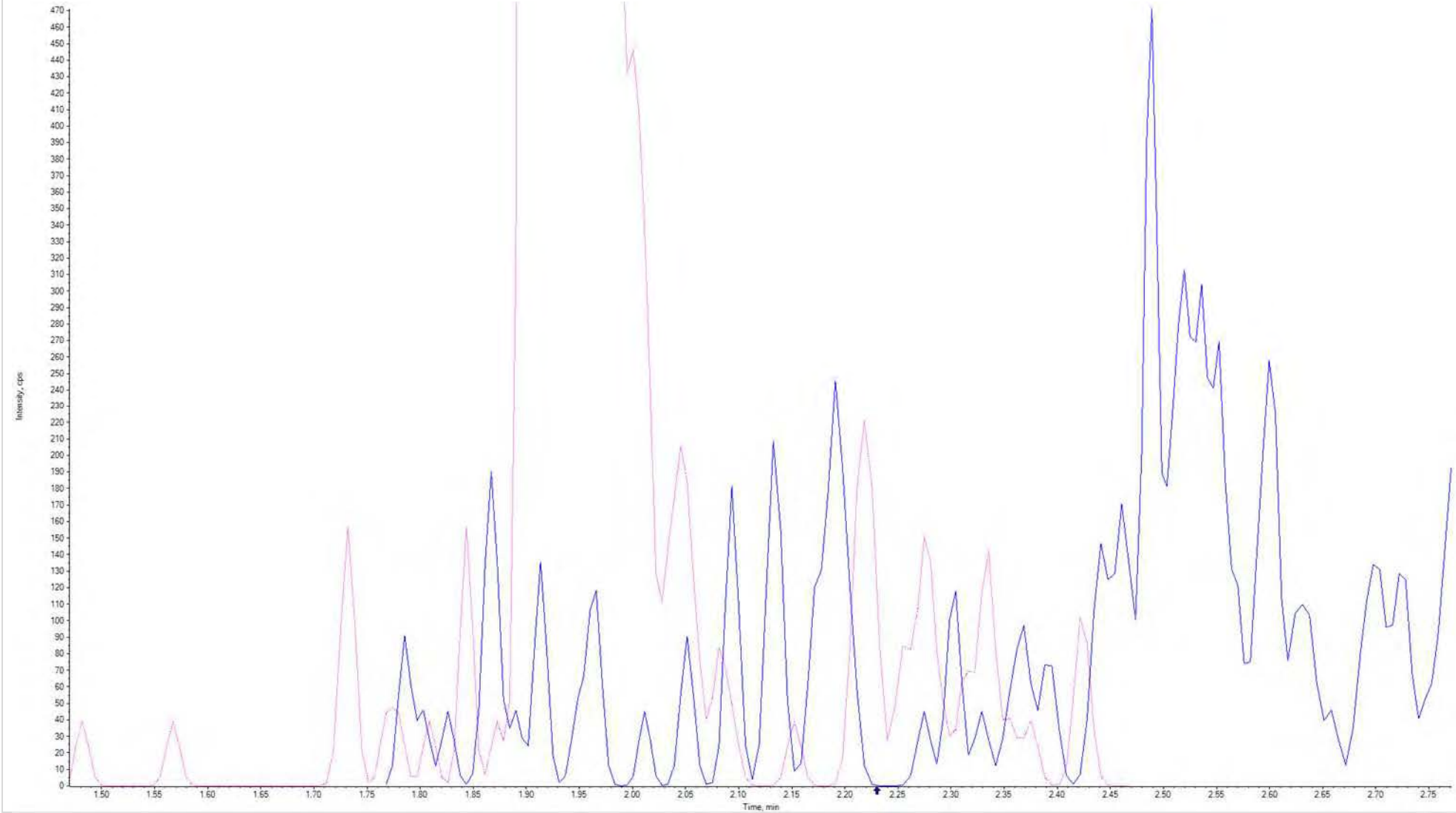
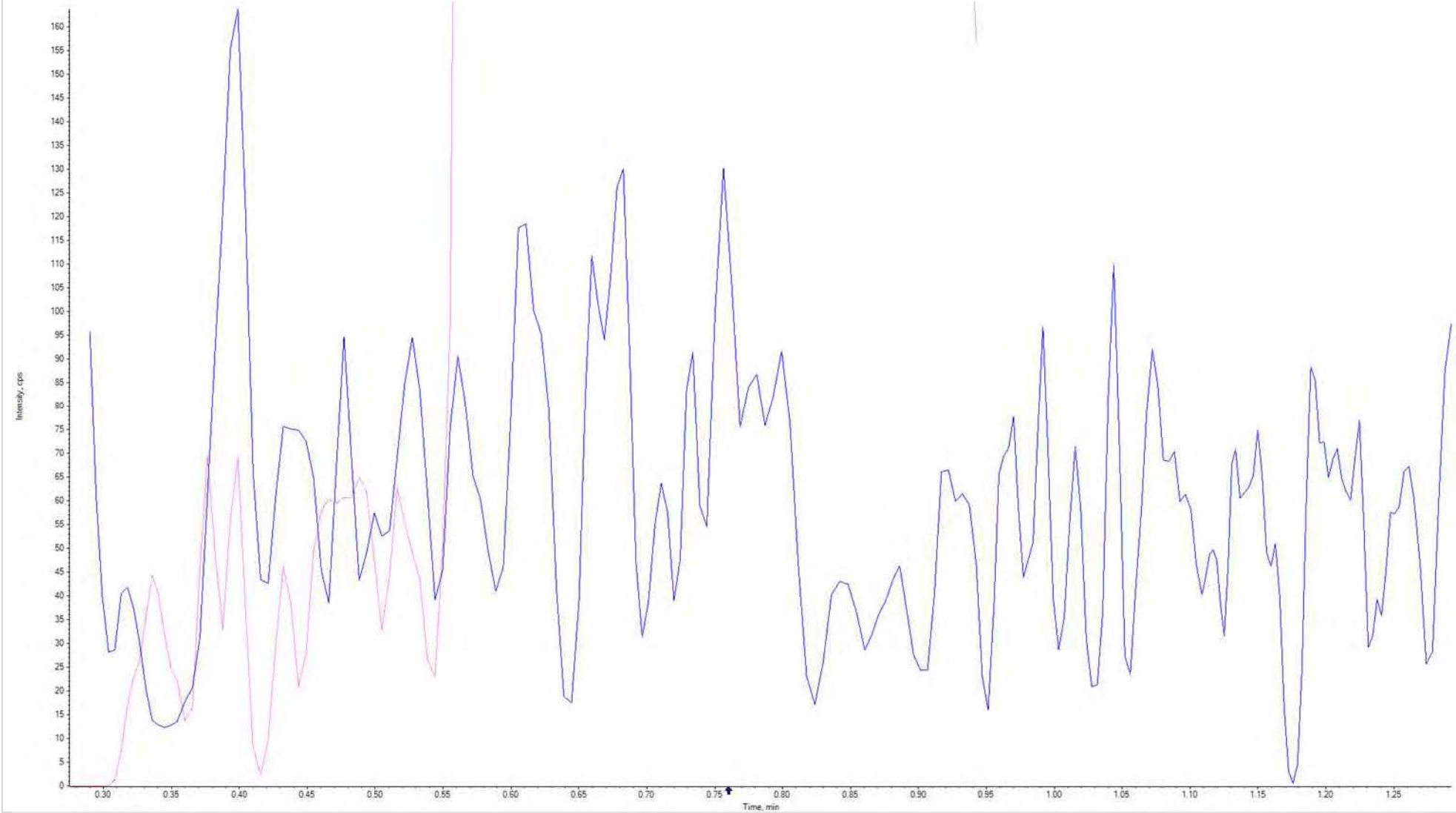
PFEESA_2
Sample: L2512368-10 S/N:N/A Points Across peak:N/A



PFMPA
Sample: L2512368-10 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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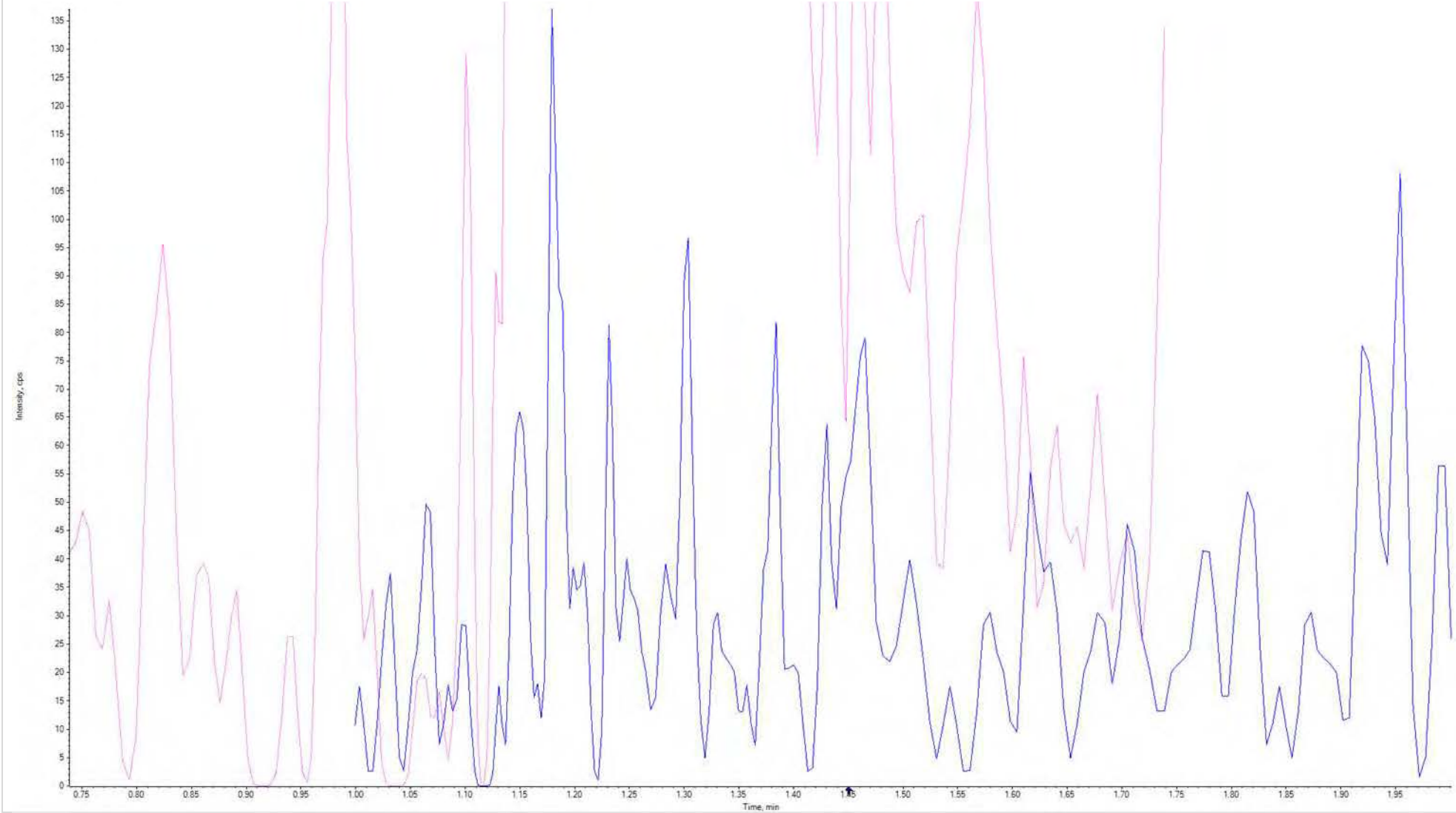
PFMBA
Sample: L2512368-10 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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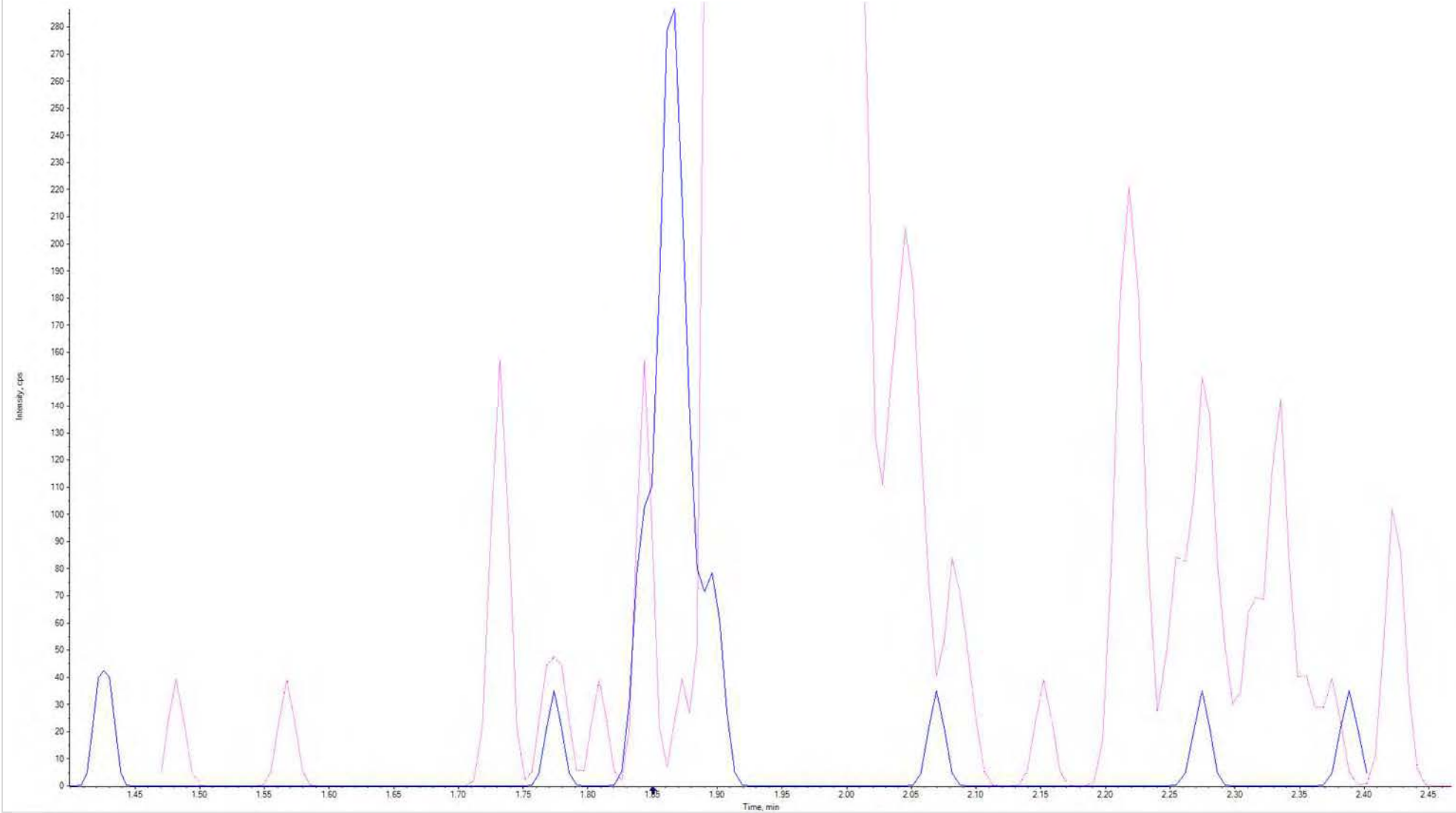
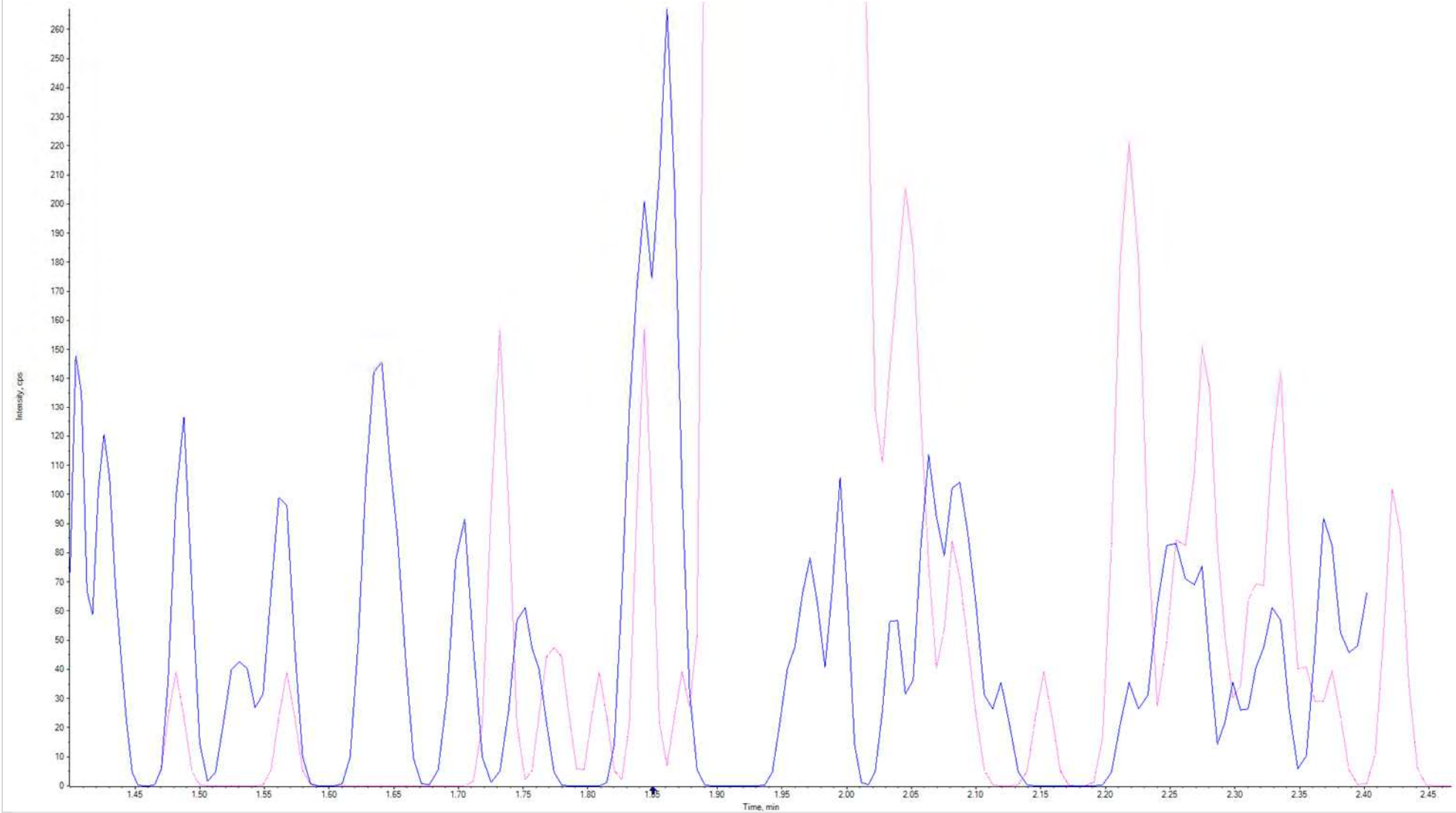
NFDHA
Sample: L2512368-10 S/N:N/A Points Across peak:N/A



NFDHA_2
Sample: L2512368-10 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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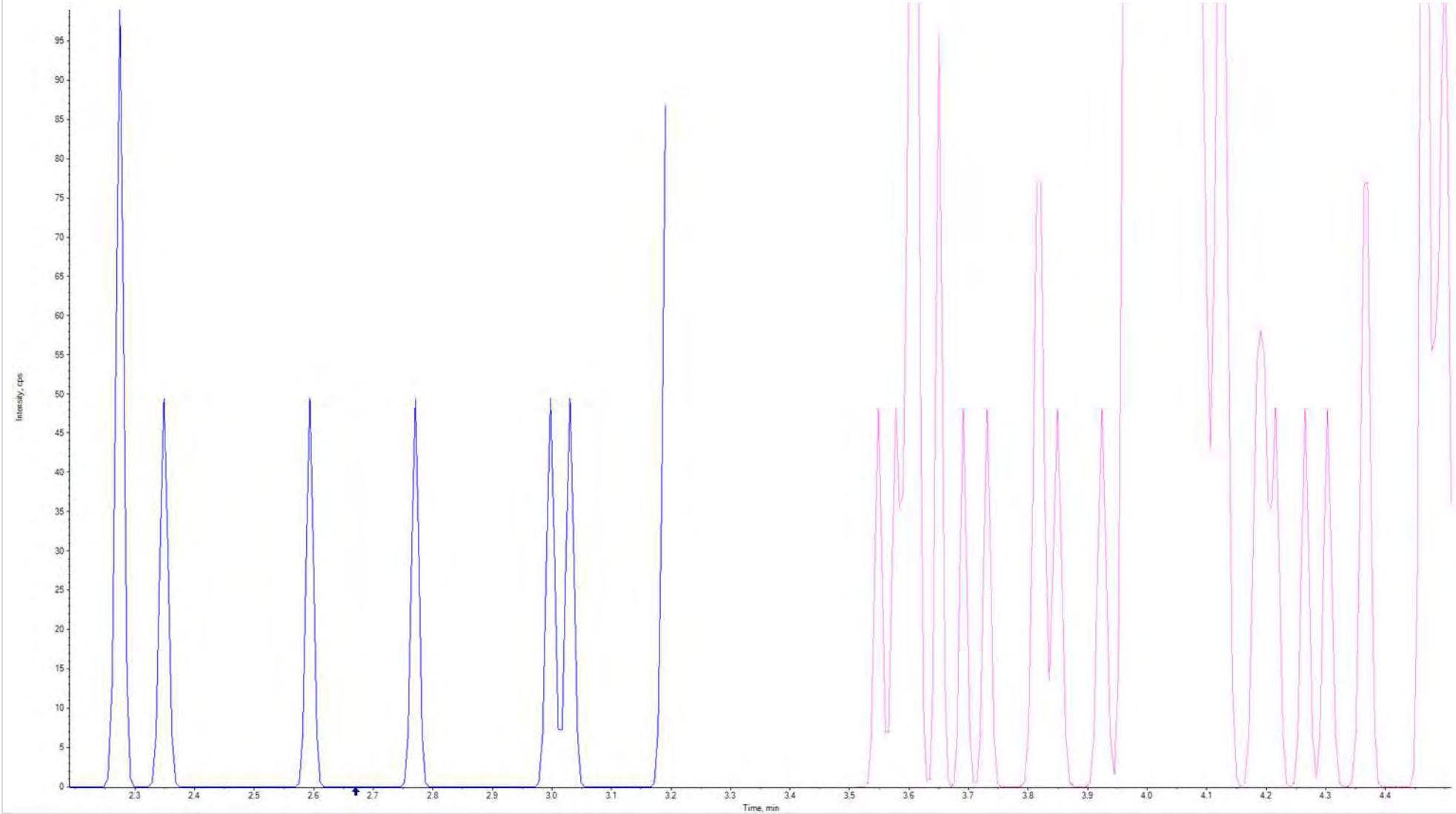
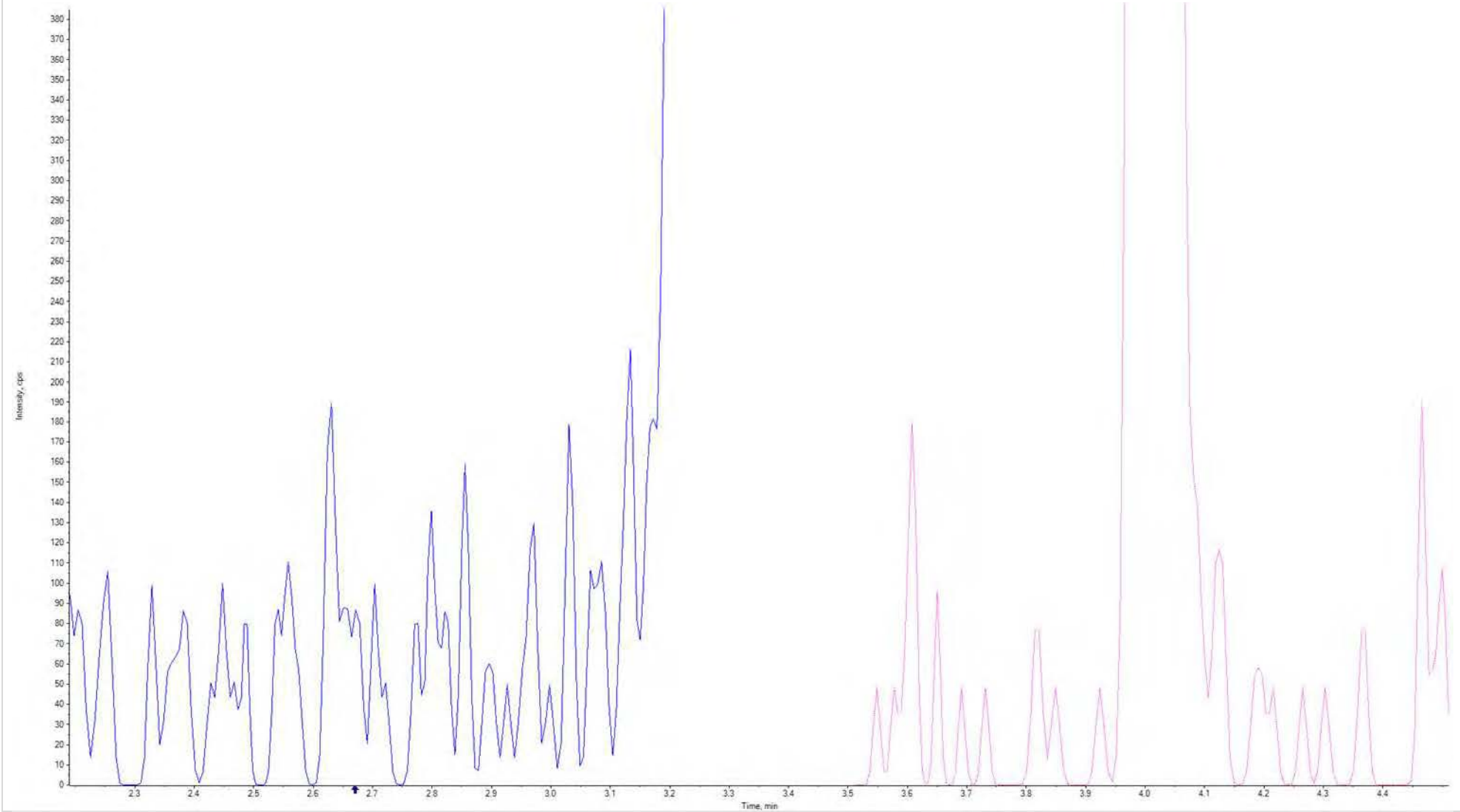
TDCA
Sample: L2512368-10 S/N:N/A Points Across peak:N/A



TDCA_2
Sample: L2512368-10 S/N:N/A Points Across peak:N/A



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Last Altered: 3/11/2025 2:07:22 PM
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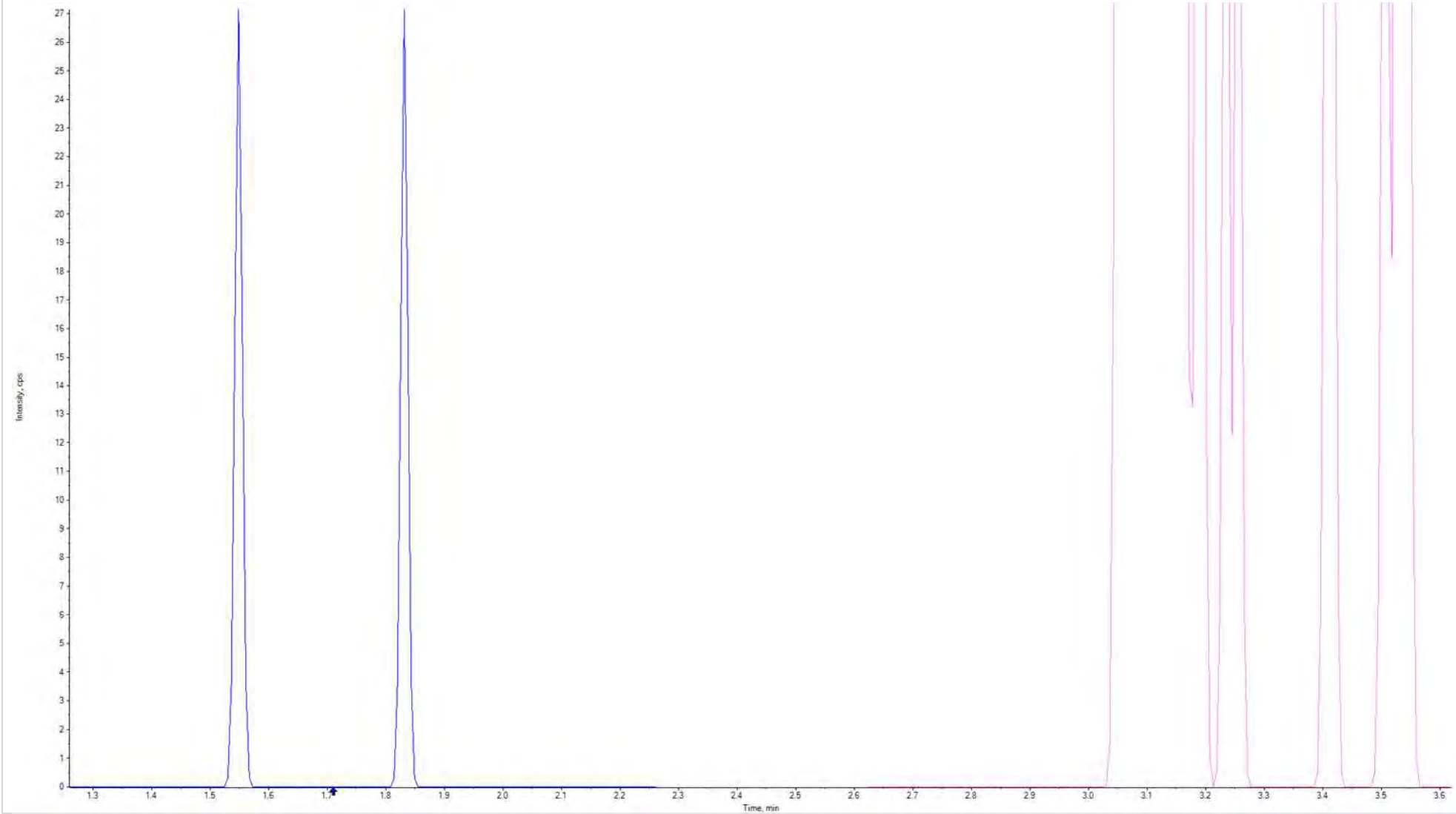
13C2D4-4:2FTS
Sample: L2512368-10 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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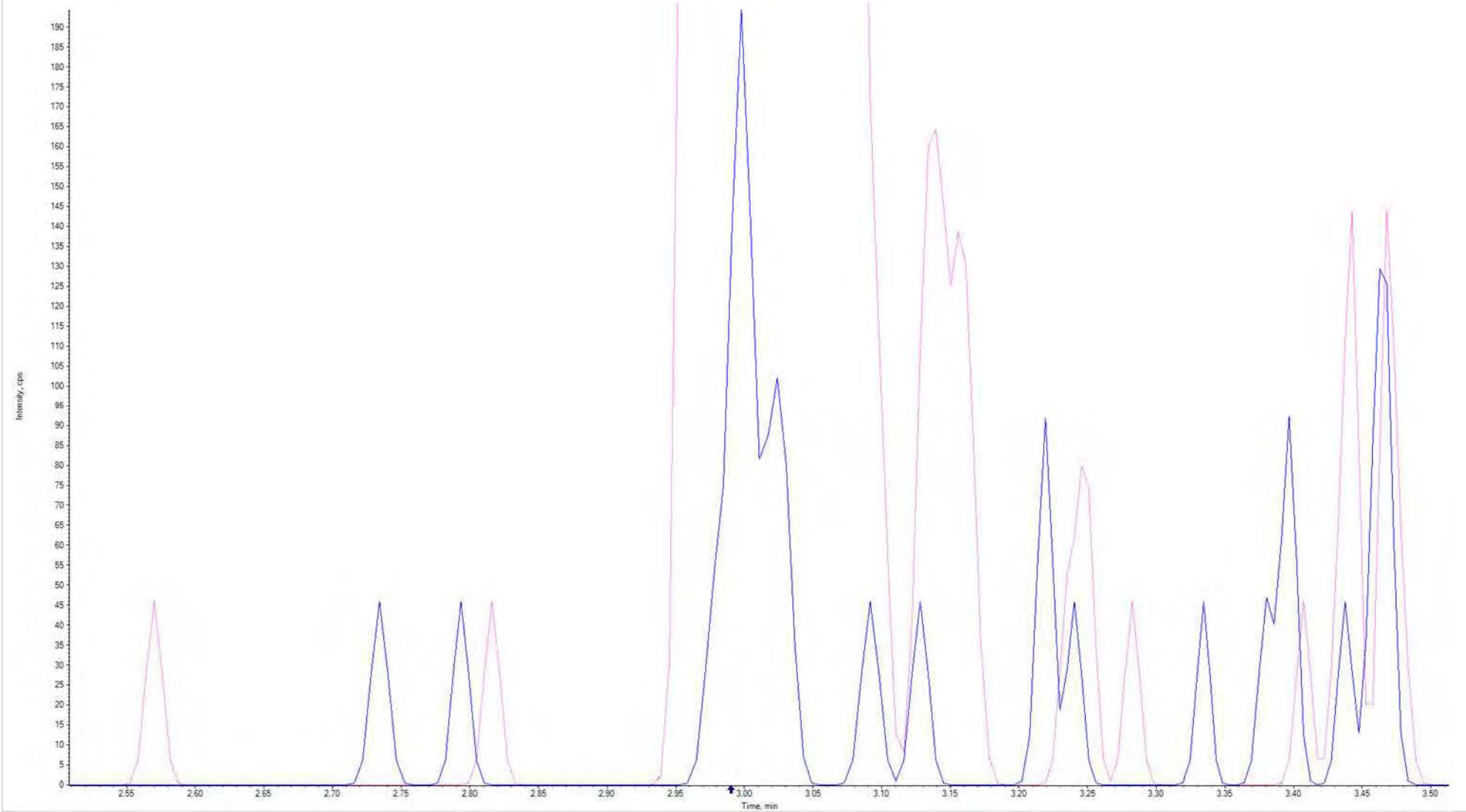
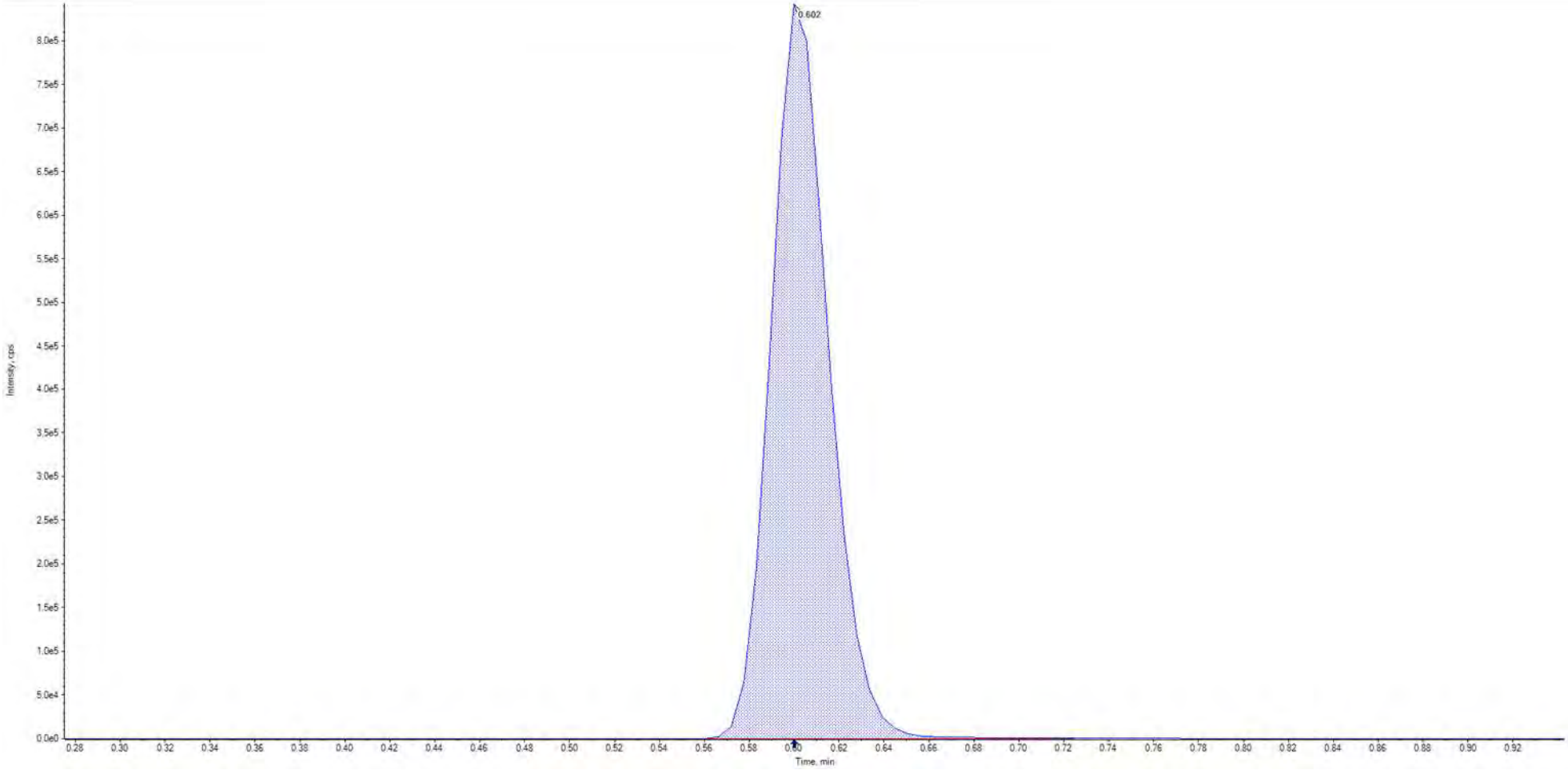
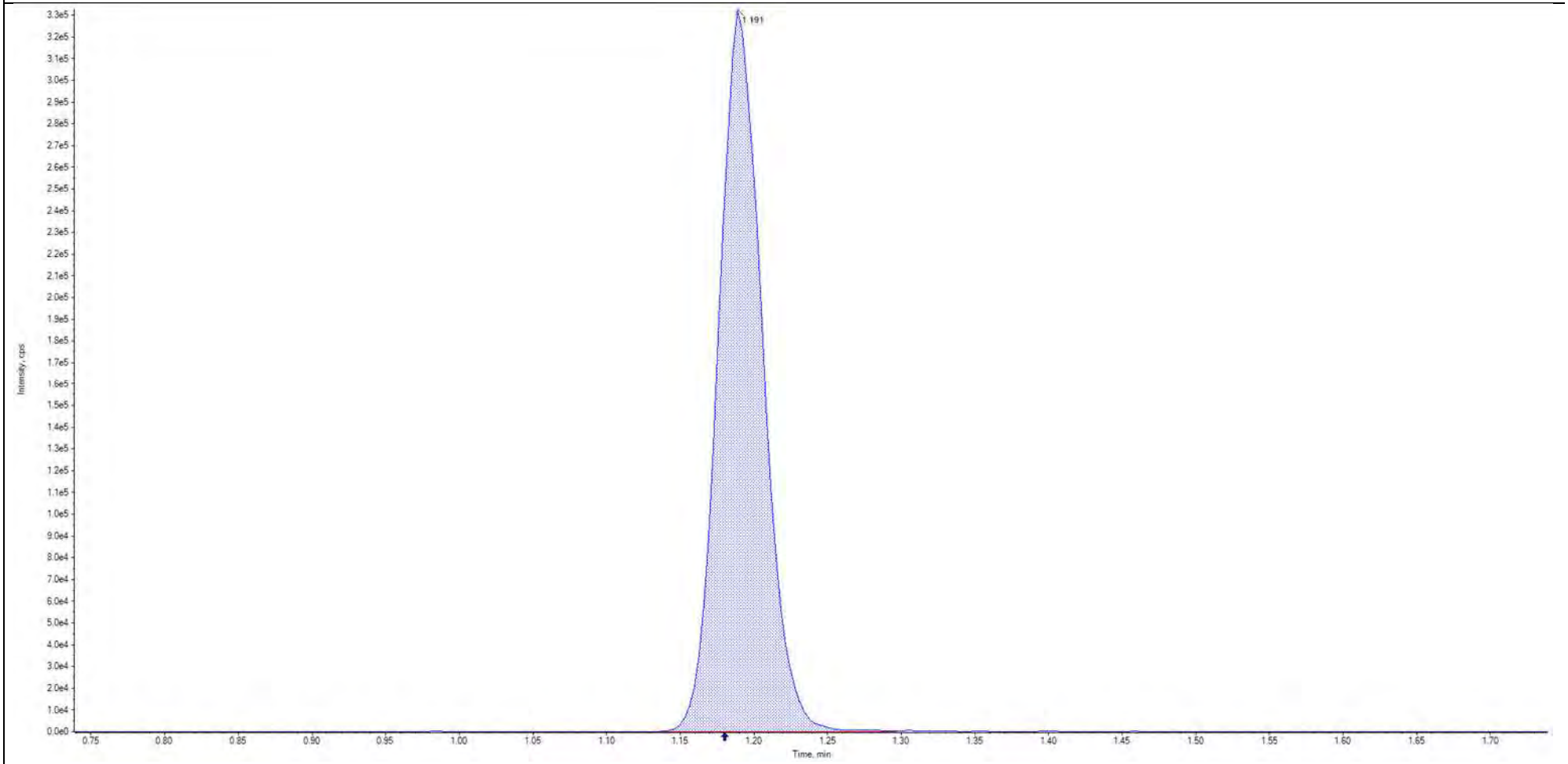
13C2-PFOA
Sample: L2512368-10 S/N:N/A Points Across peak:N/A



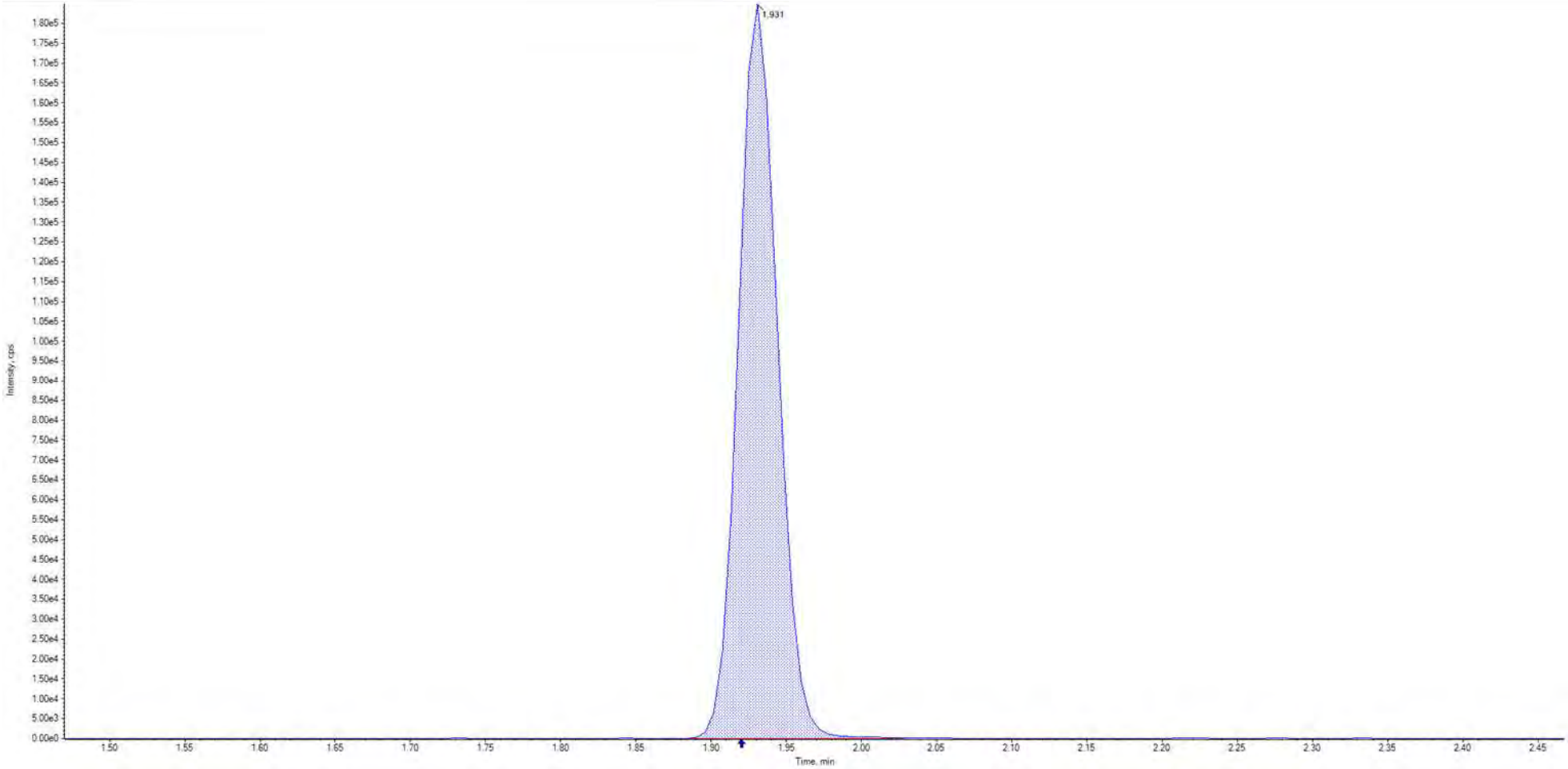
13C4-PFBA
Sample: L2512368-10



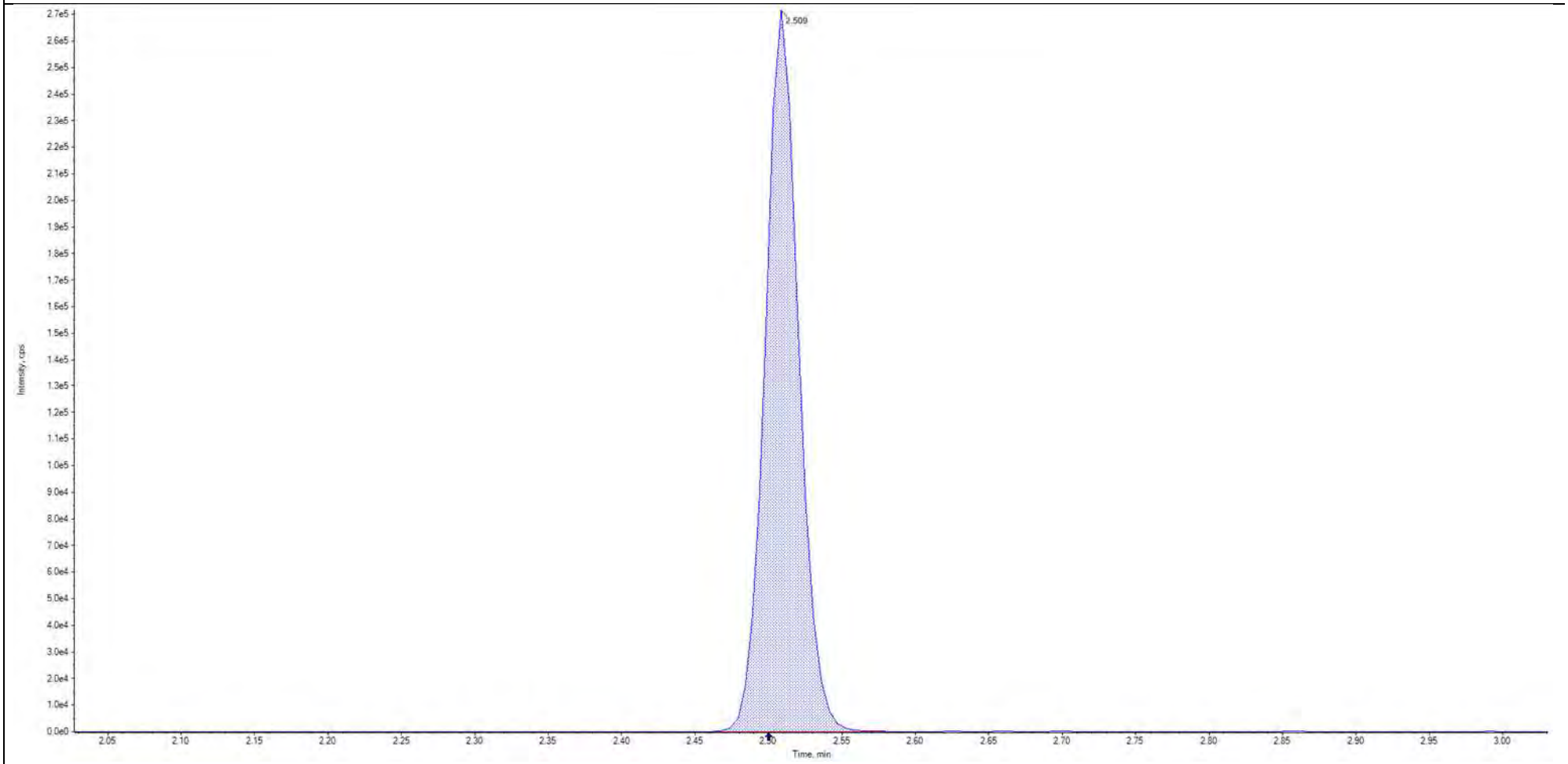
13C5-PFPeA
Sample: L2512368-10



13C5-PFHxA
Sample: L2512368-10



13C4-PFHpA
Sample: L2512368-10



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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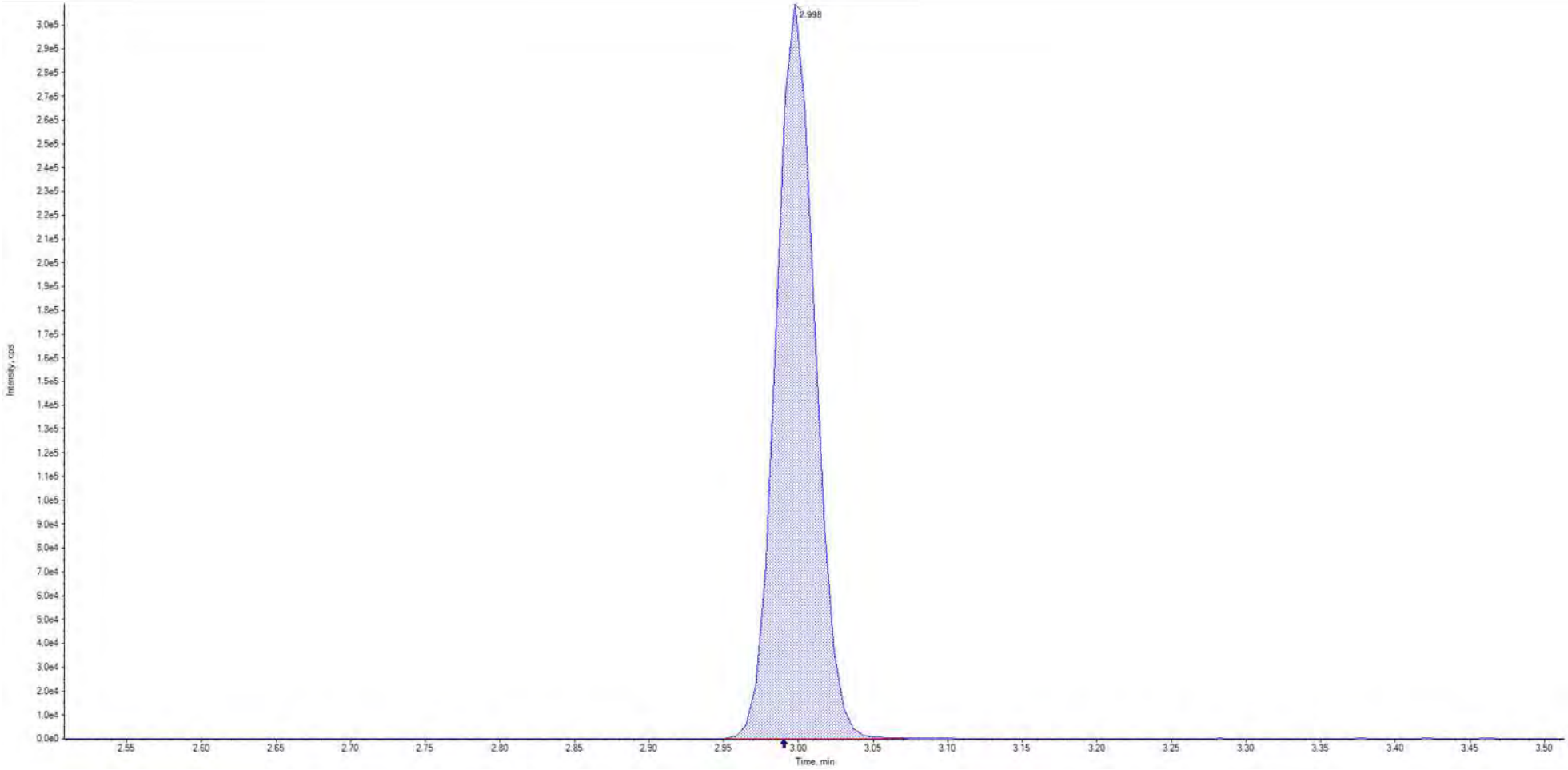
13C8-PFOA
Sample: L2512368-10



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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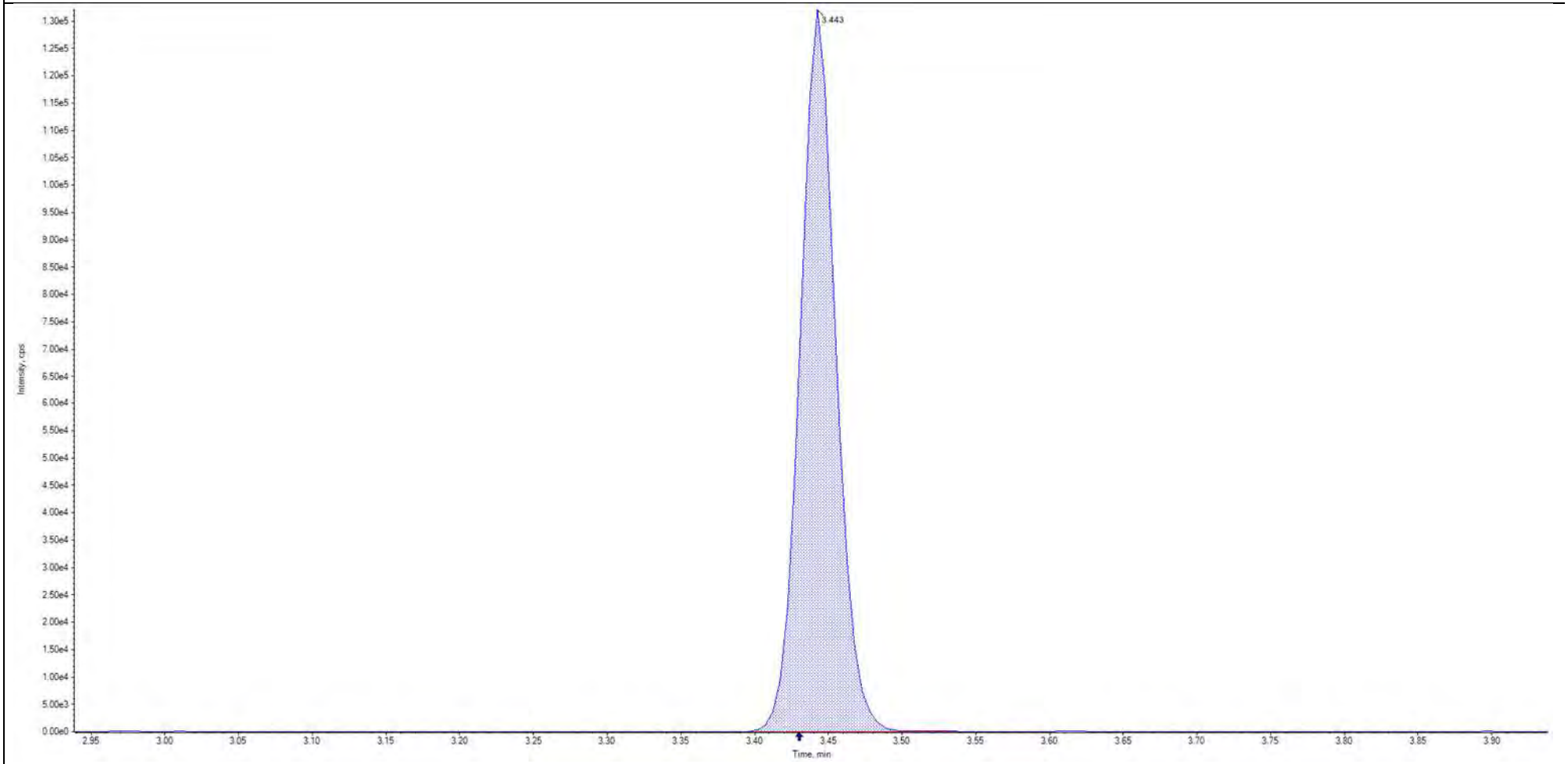
13C9-PFNA
Sample: L2512368-10



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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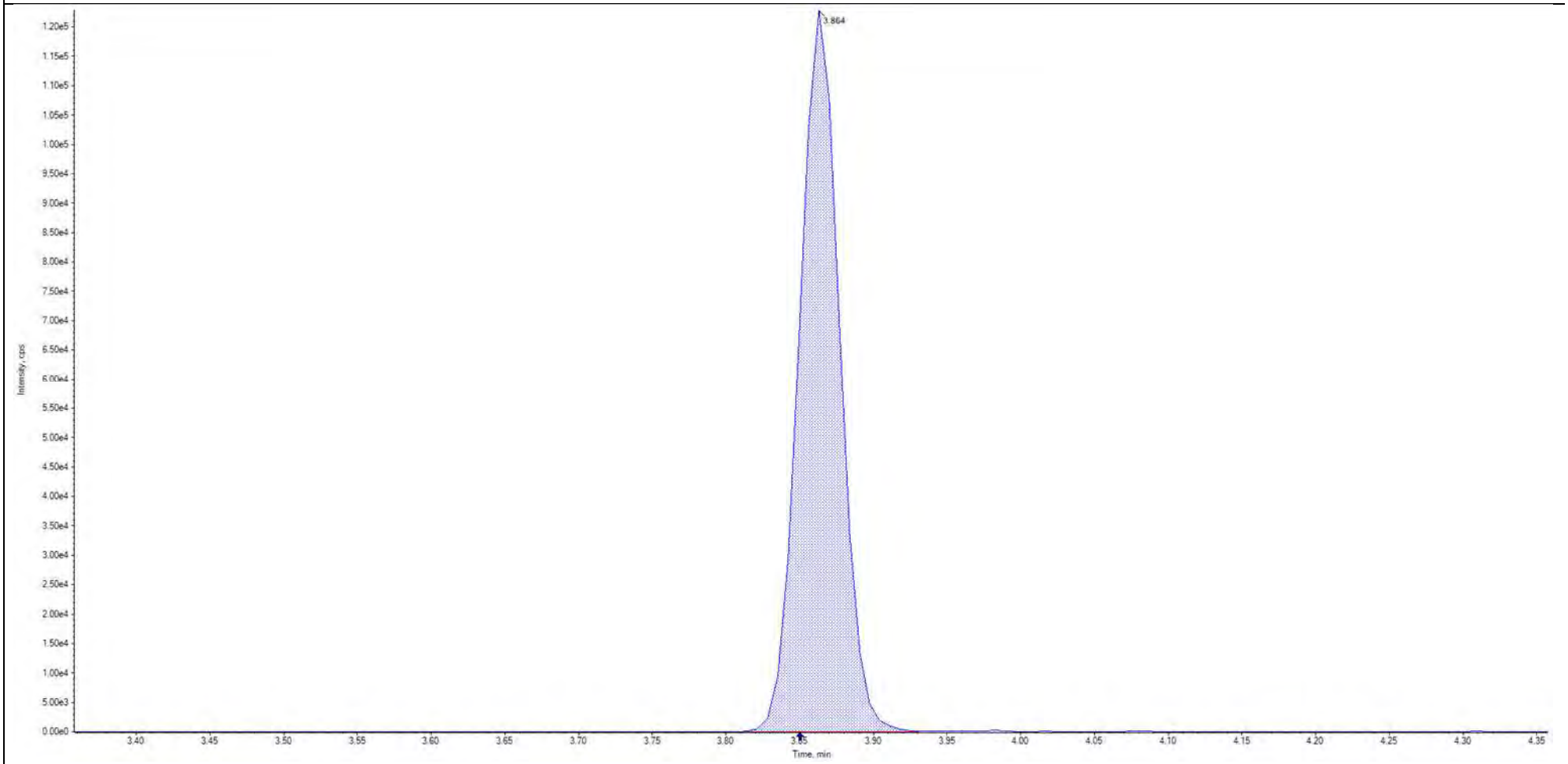
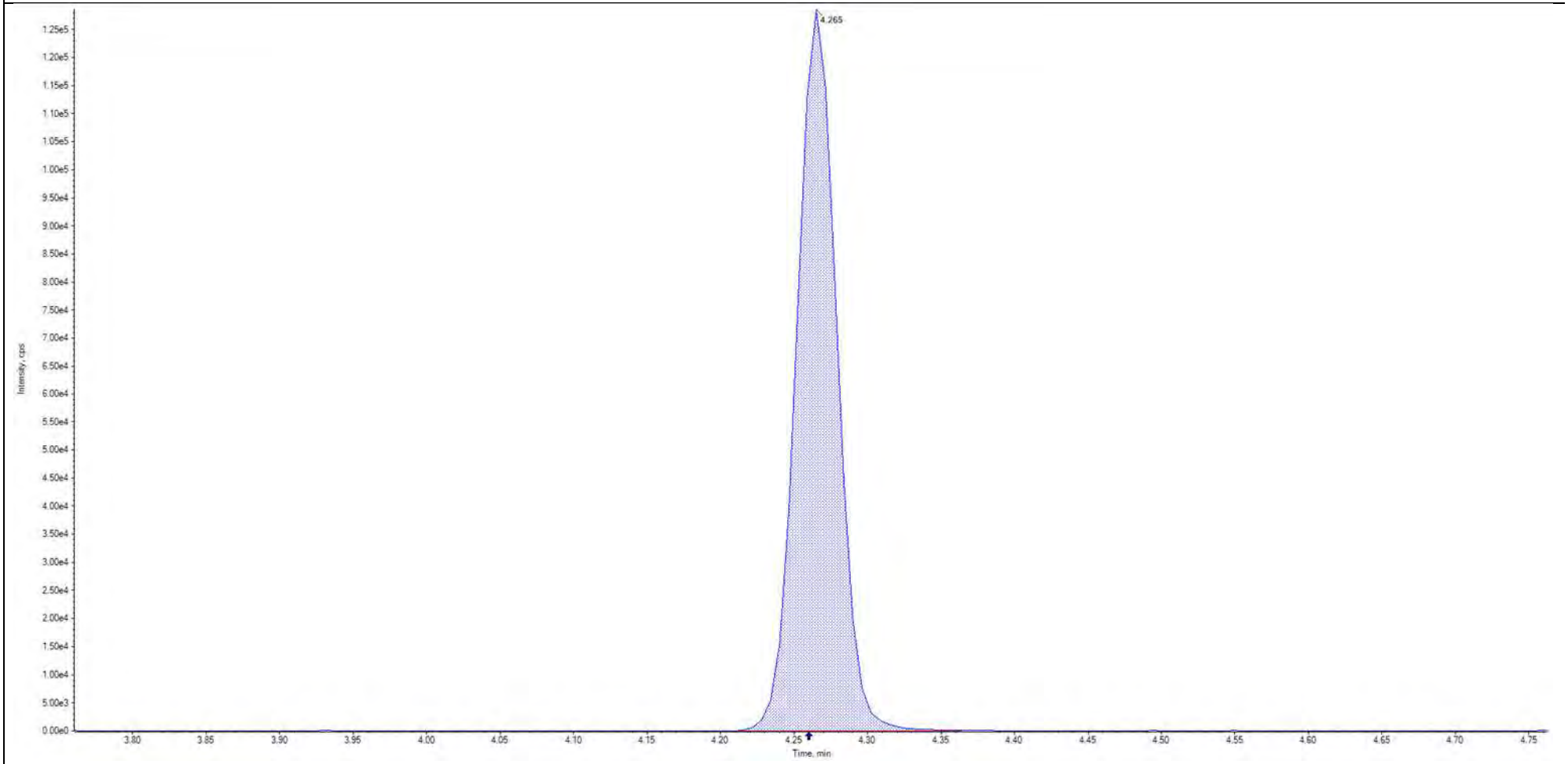
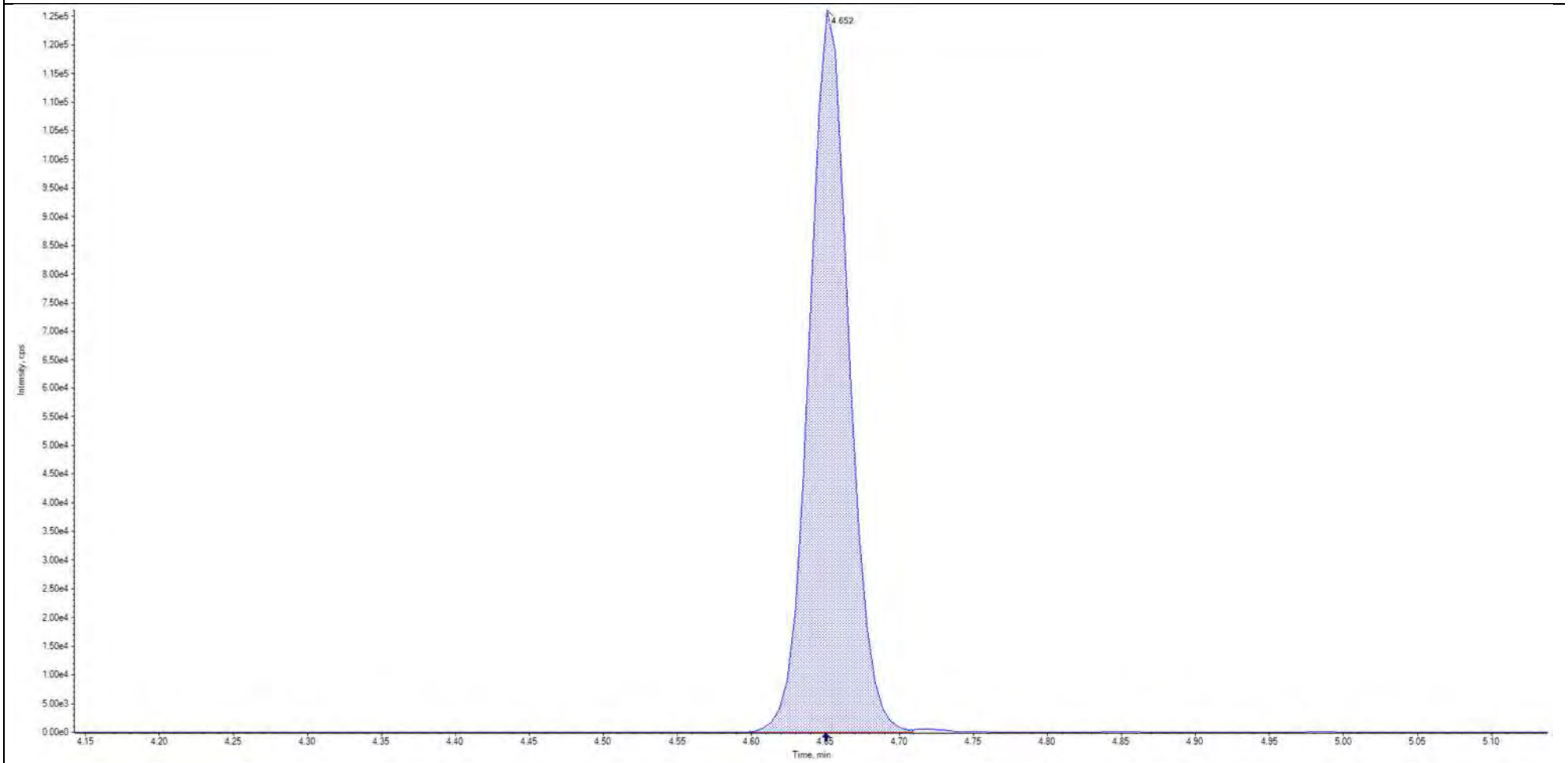
13C6-PFDA
Sample: L2512368-10



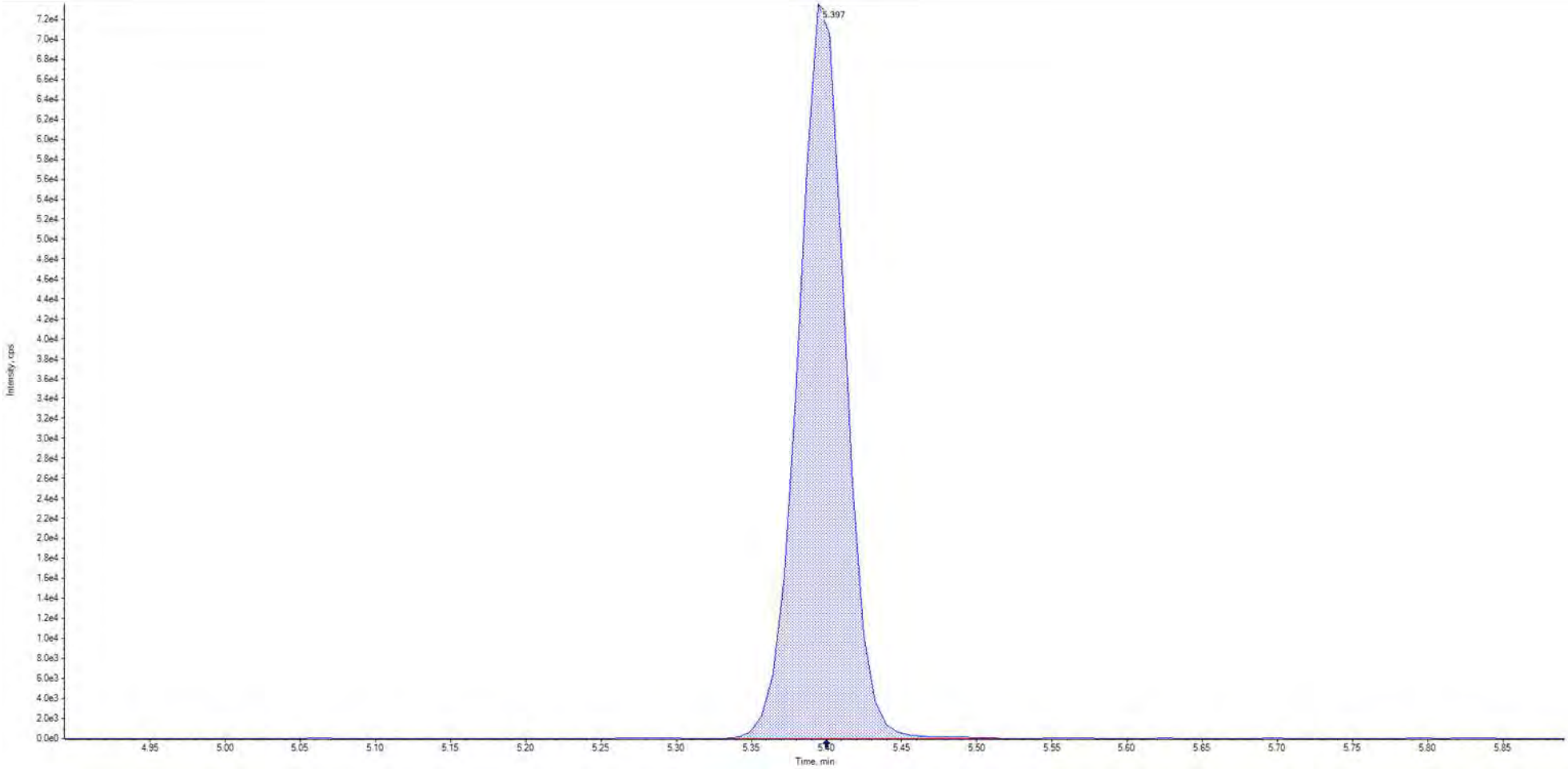
13C7-PFUnA
Sample: L2512368-10



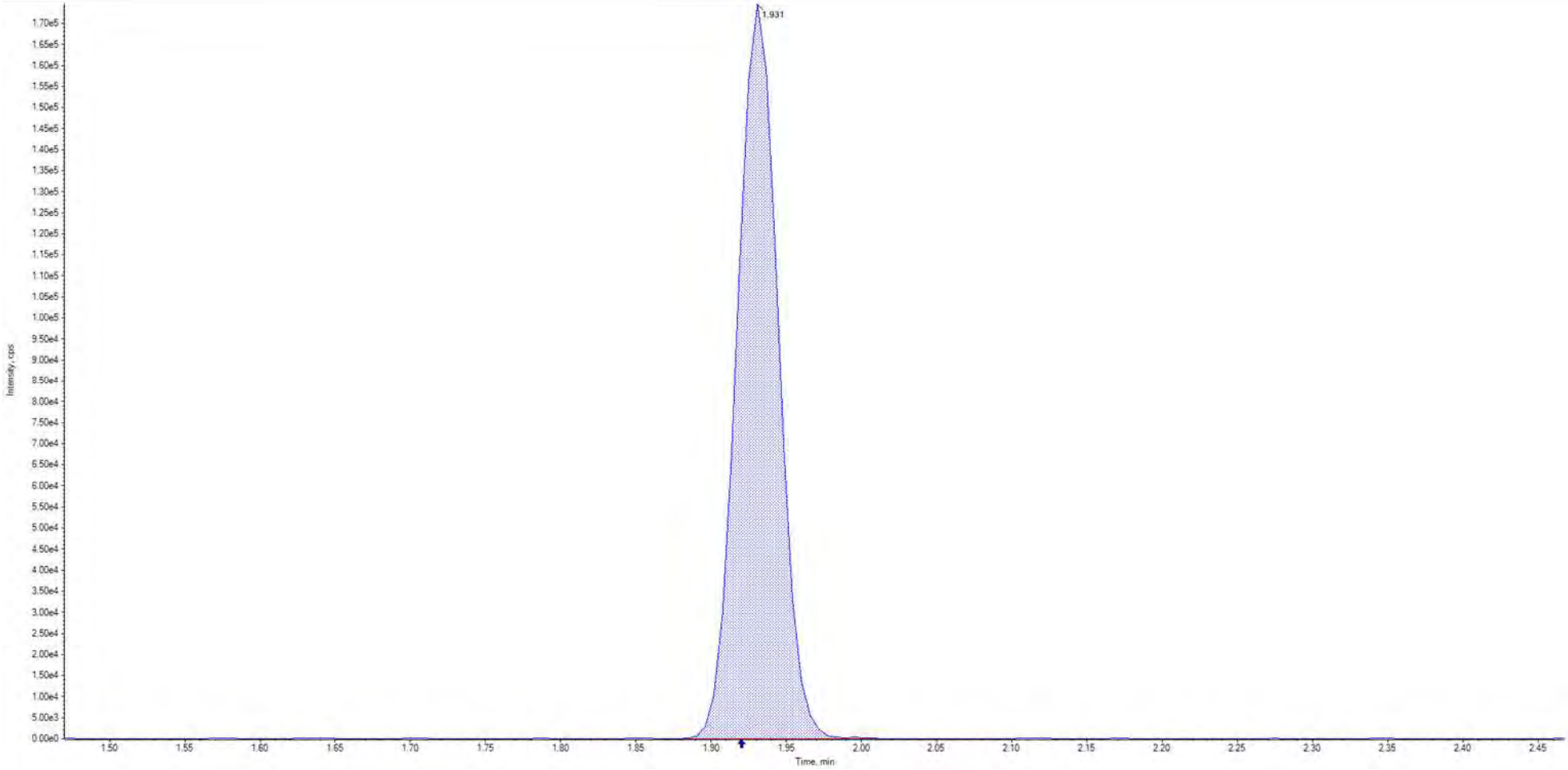
13C2-PFDoA
Sample: L2512368-10



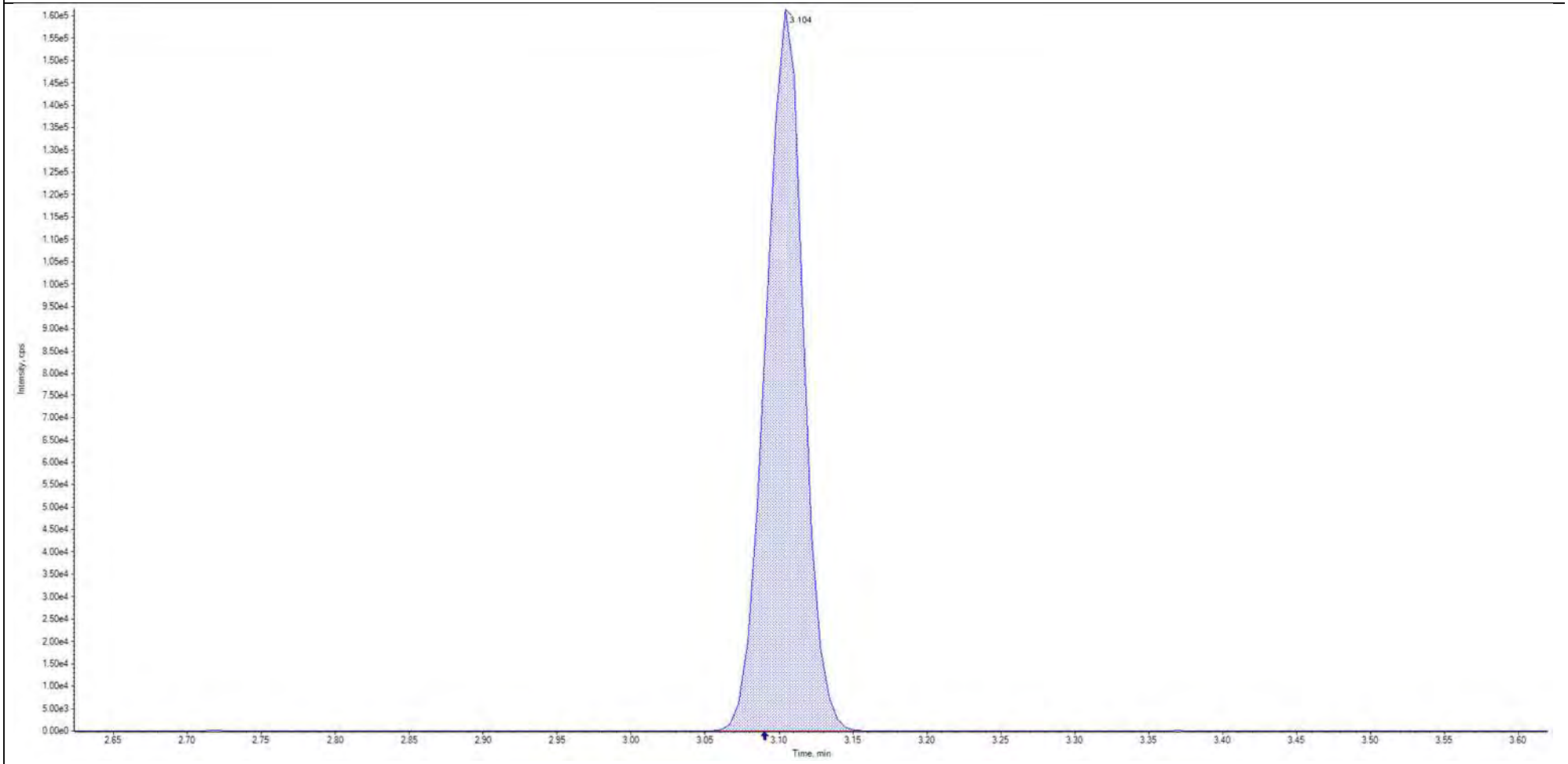
13C2-PFTeDA
Sample: L2512368-10



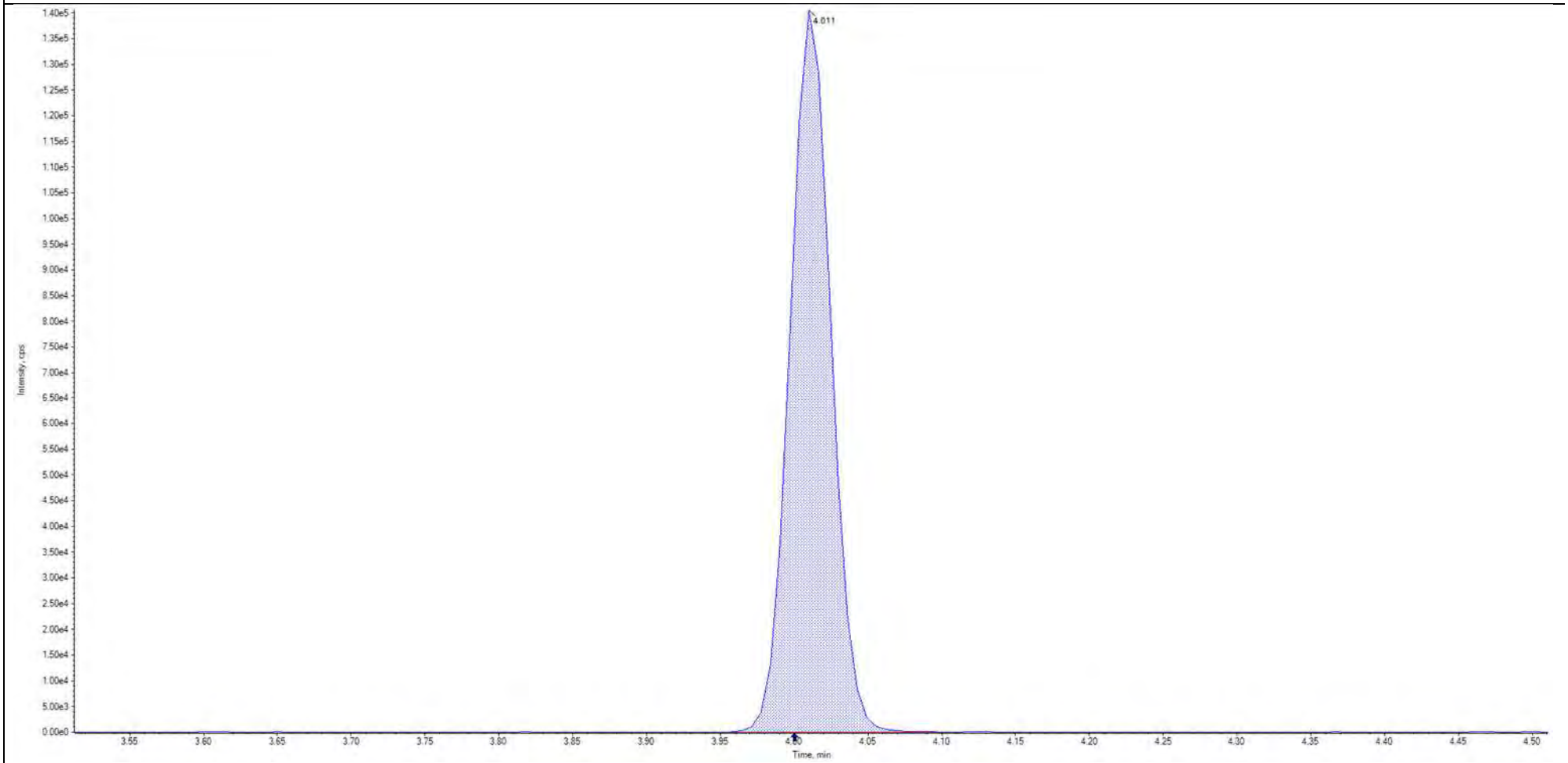
13C3-PFBS
Sample: L2512368-10



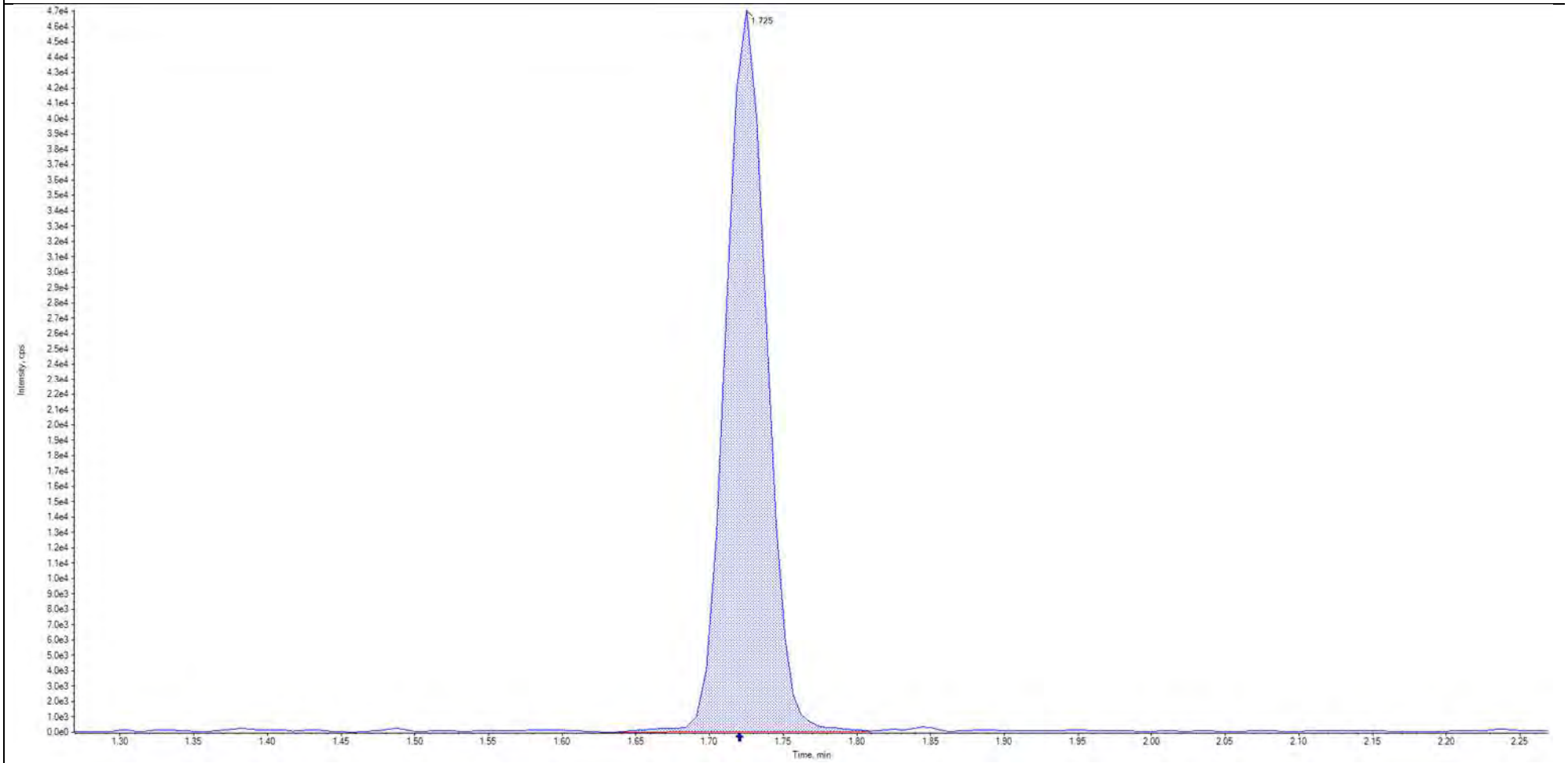
13C3-PFHxS
Sample: L2512368-10



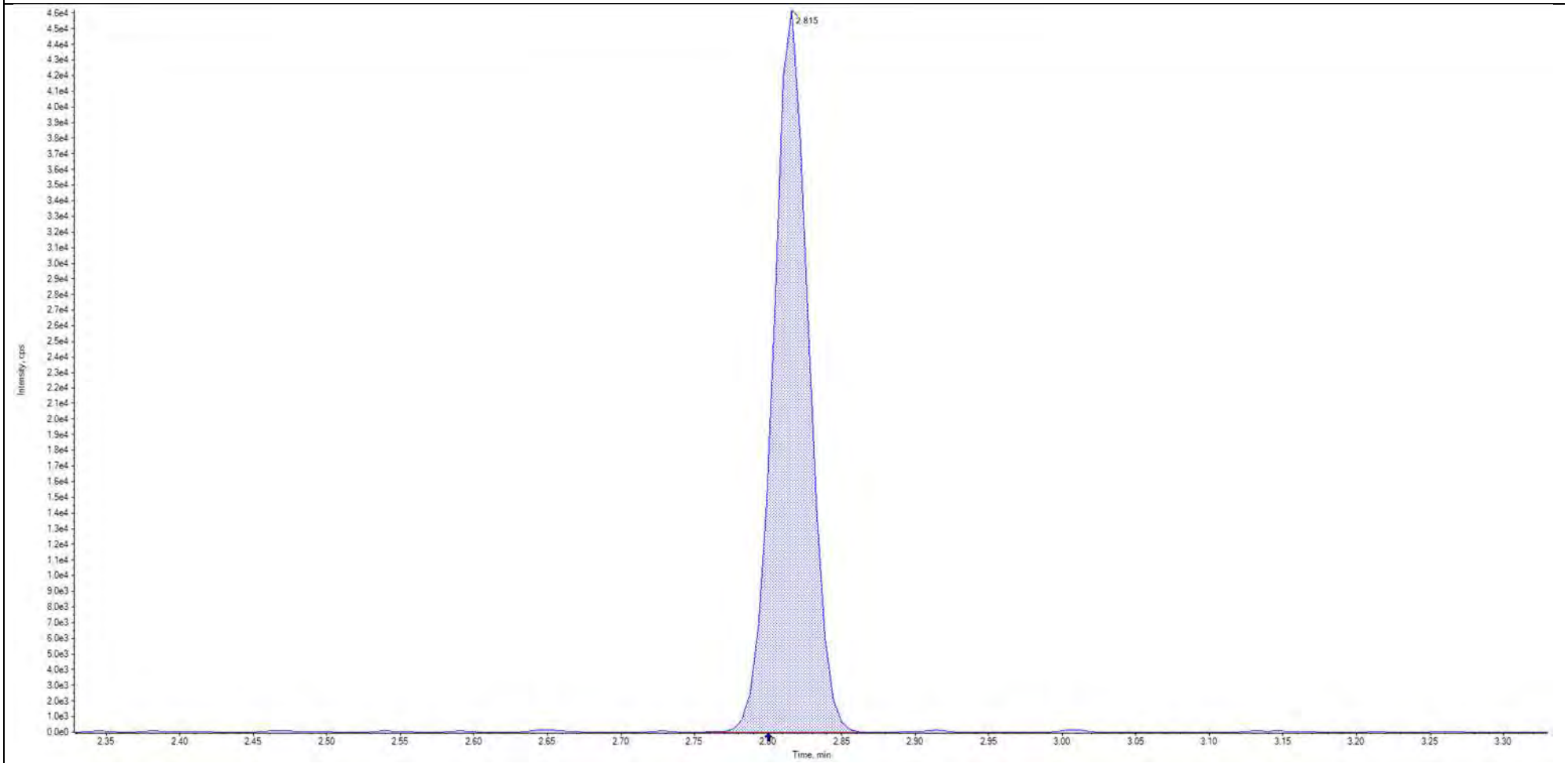
13C8-PFOS
Sample: L2512368-10



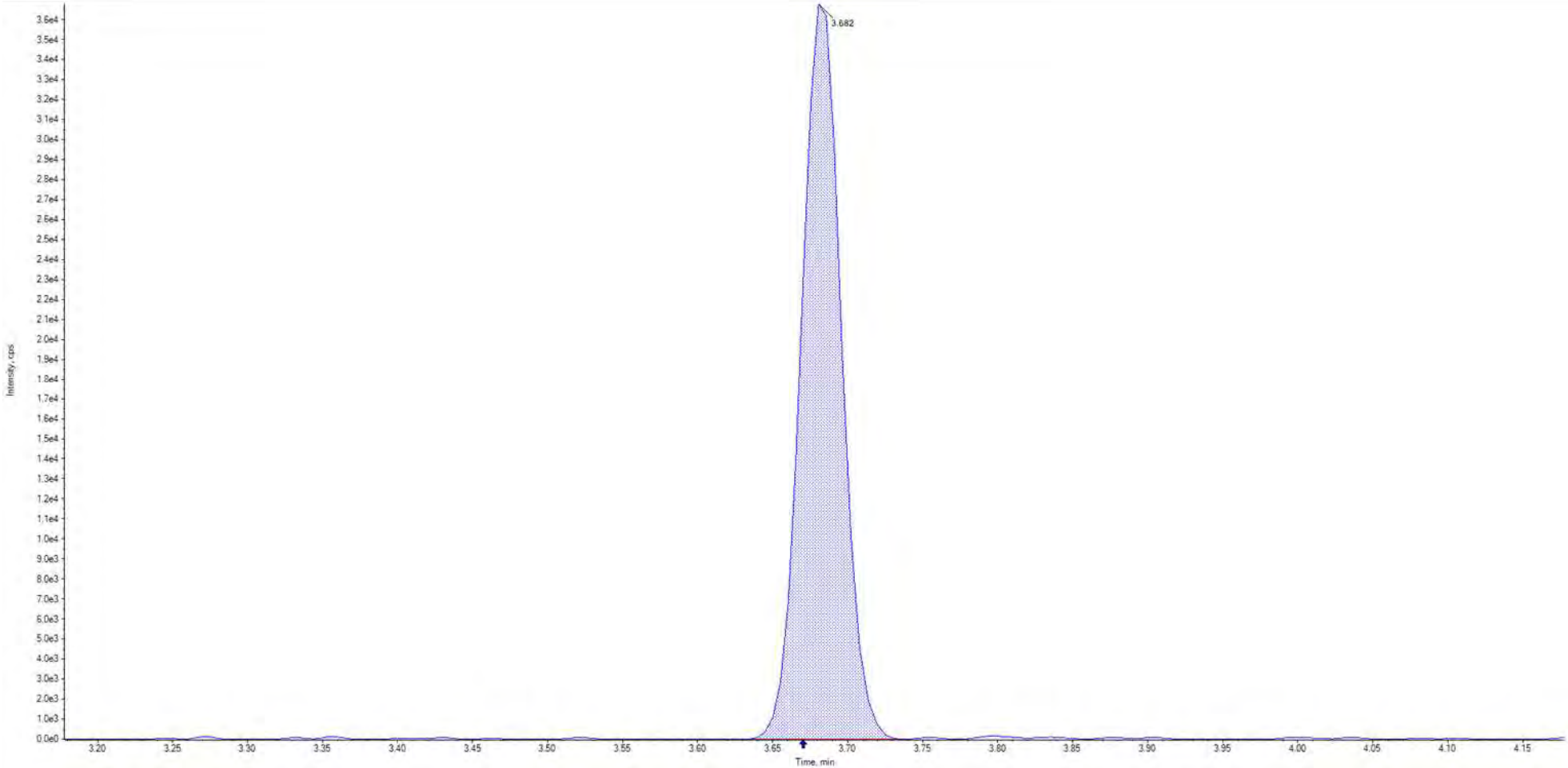
13C2-4:2FTS
Sample: L2512368-10



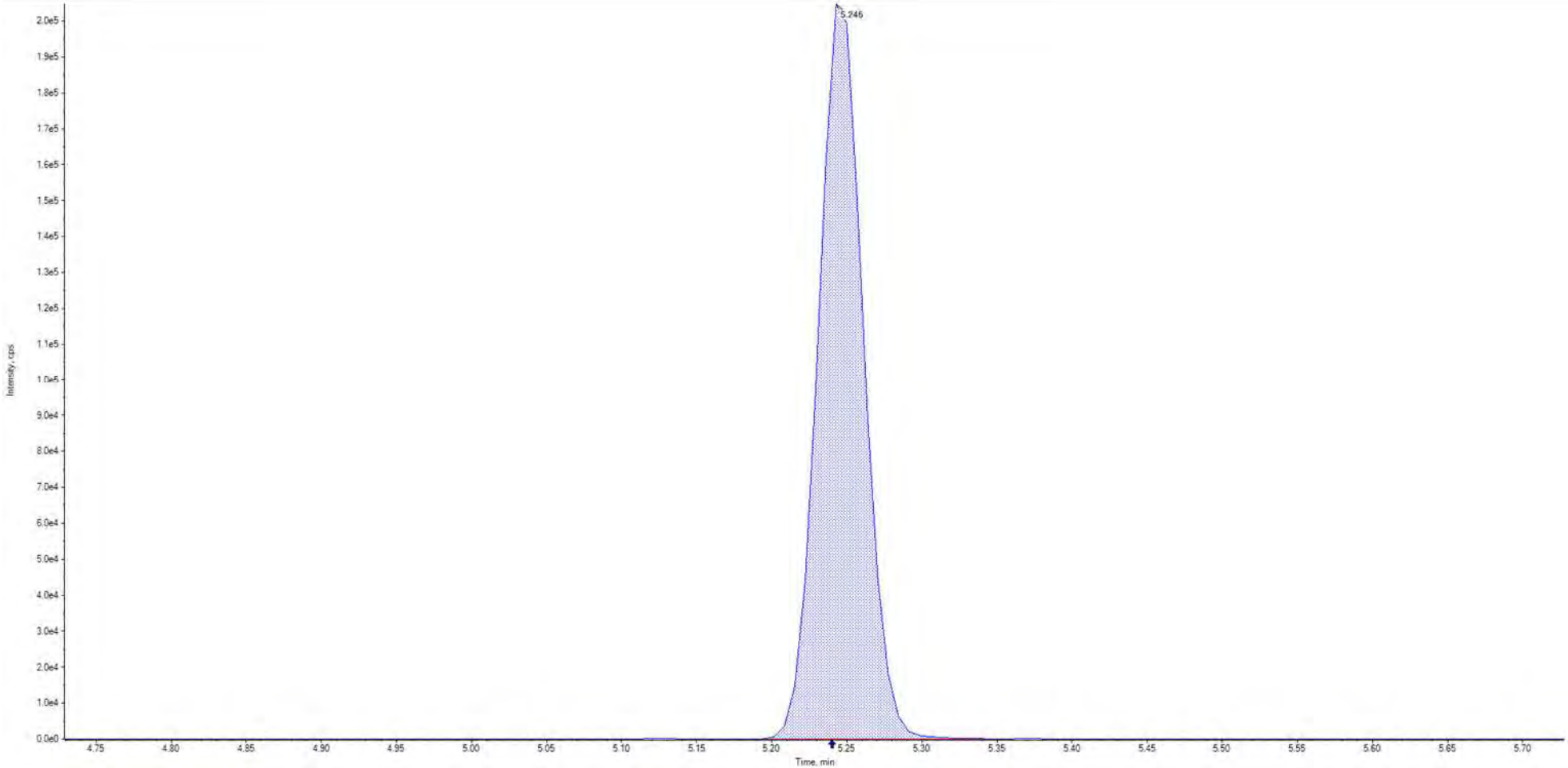
13C2-6:2FTS
Sample: L2512368-10



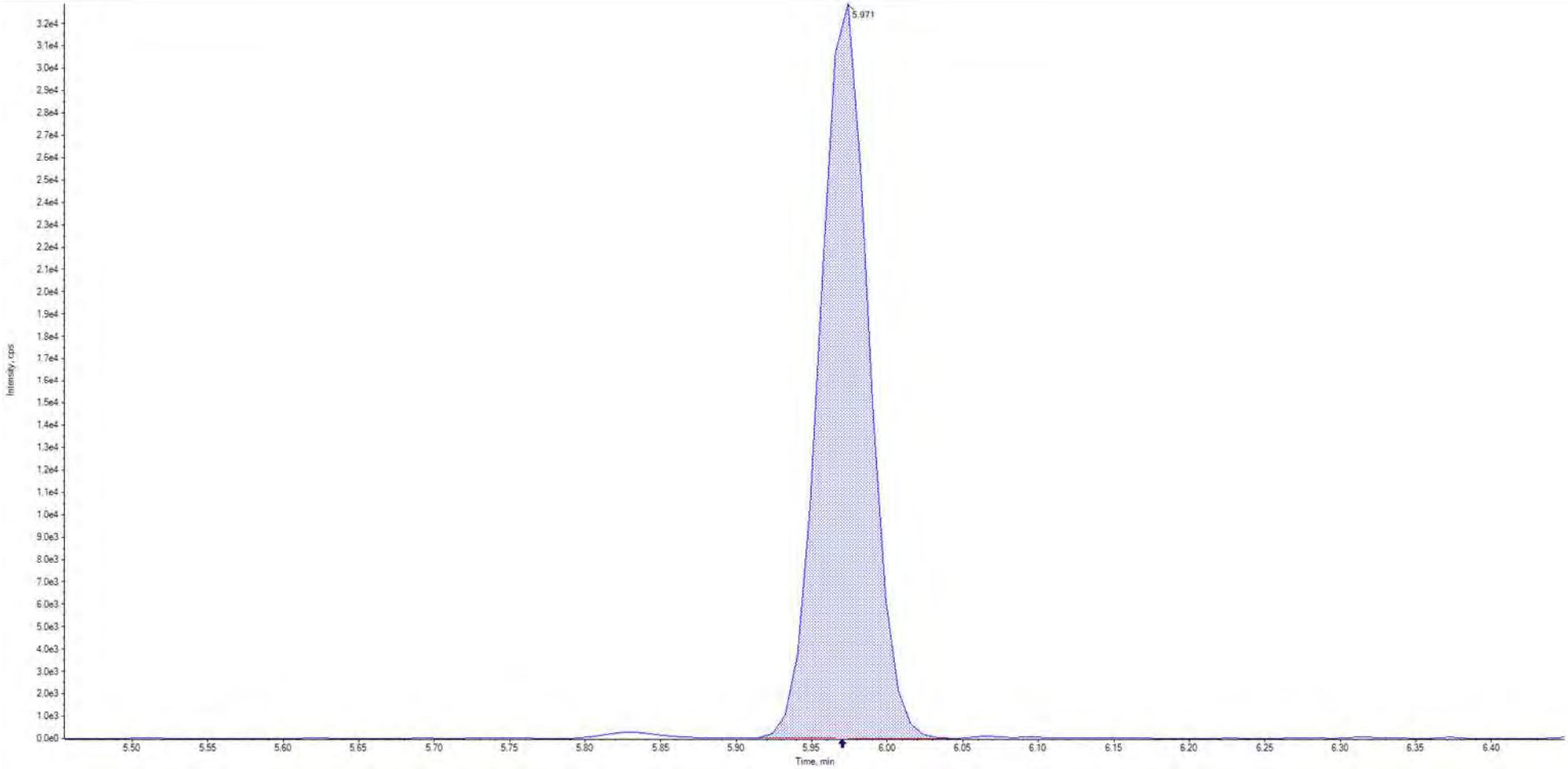
13C2-8:2FTS
Sample: L2512368-10



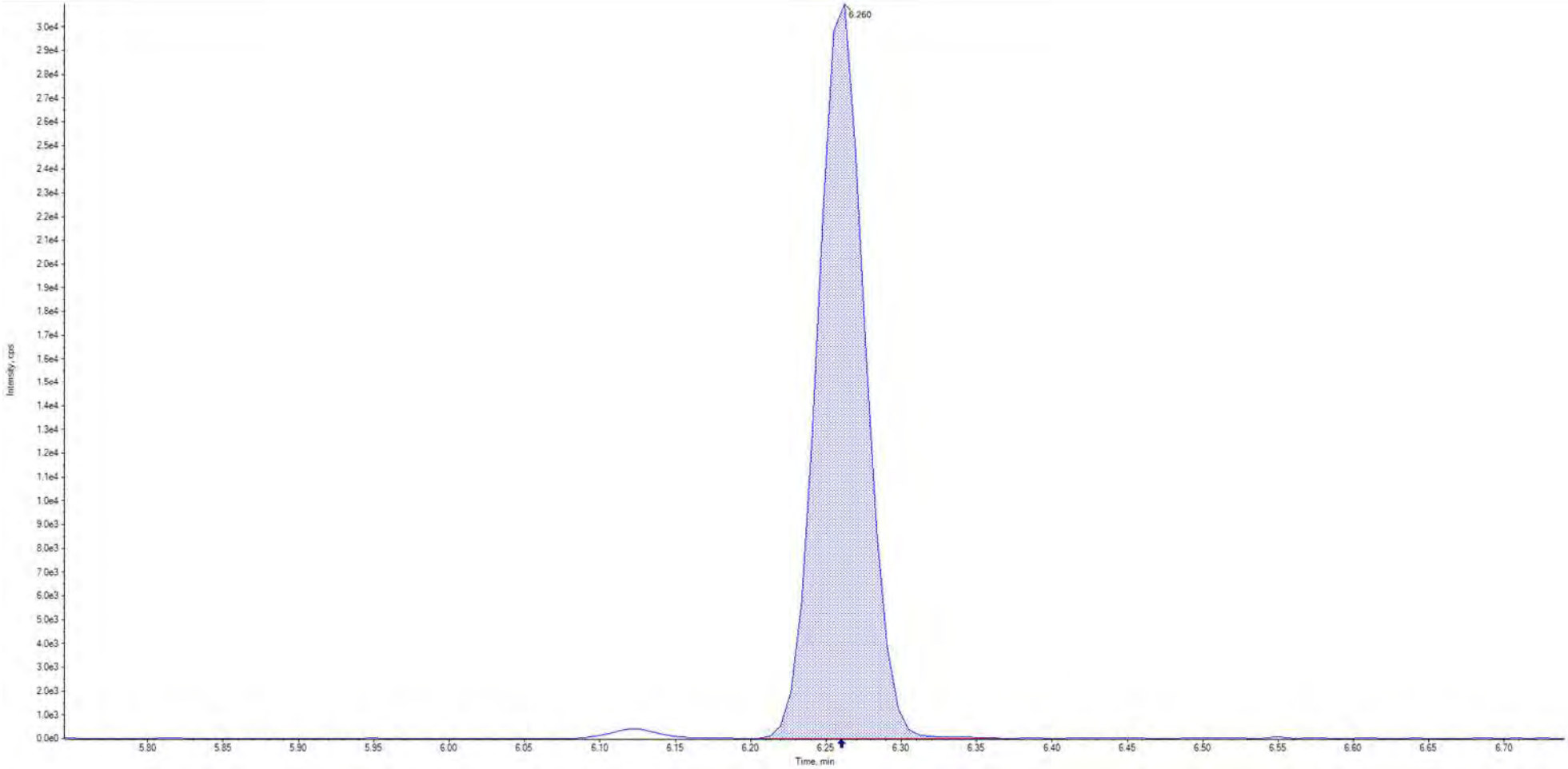
13C8-PFOSA
Sample: L2512368-10



d3-NMeFOSA
Sample: L2512368-10



d5-NEtFOSA
Sample: L2512368-10



d3-NMeFOSAA
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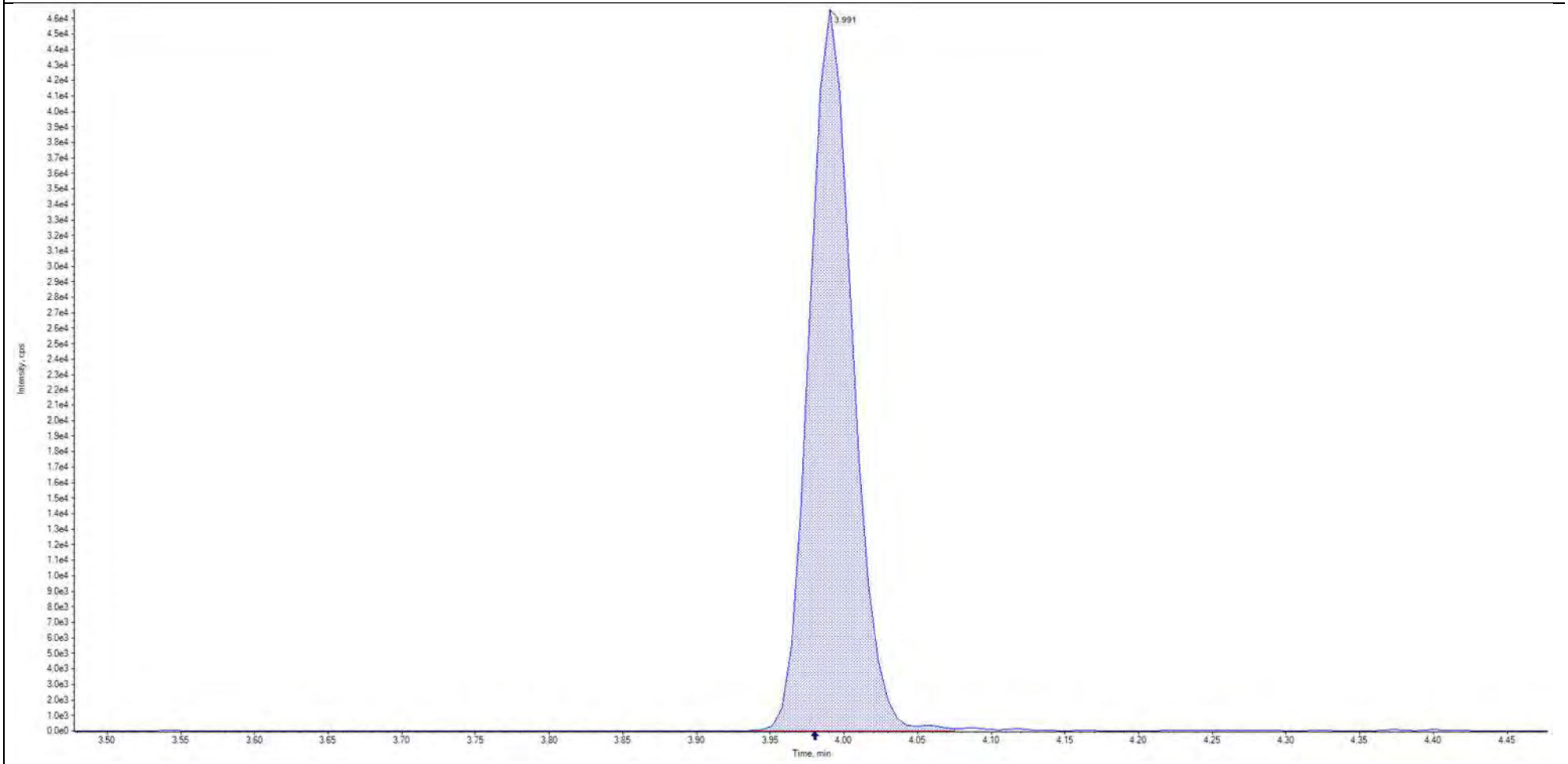
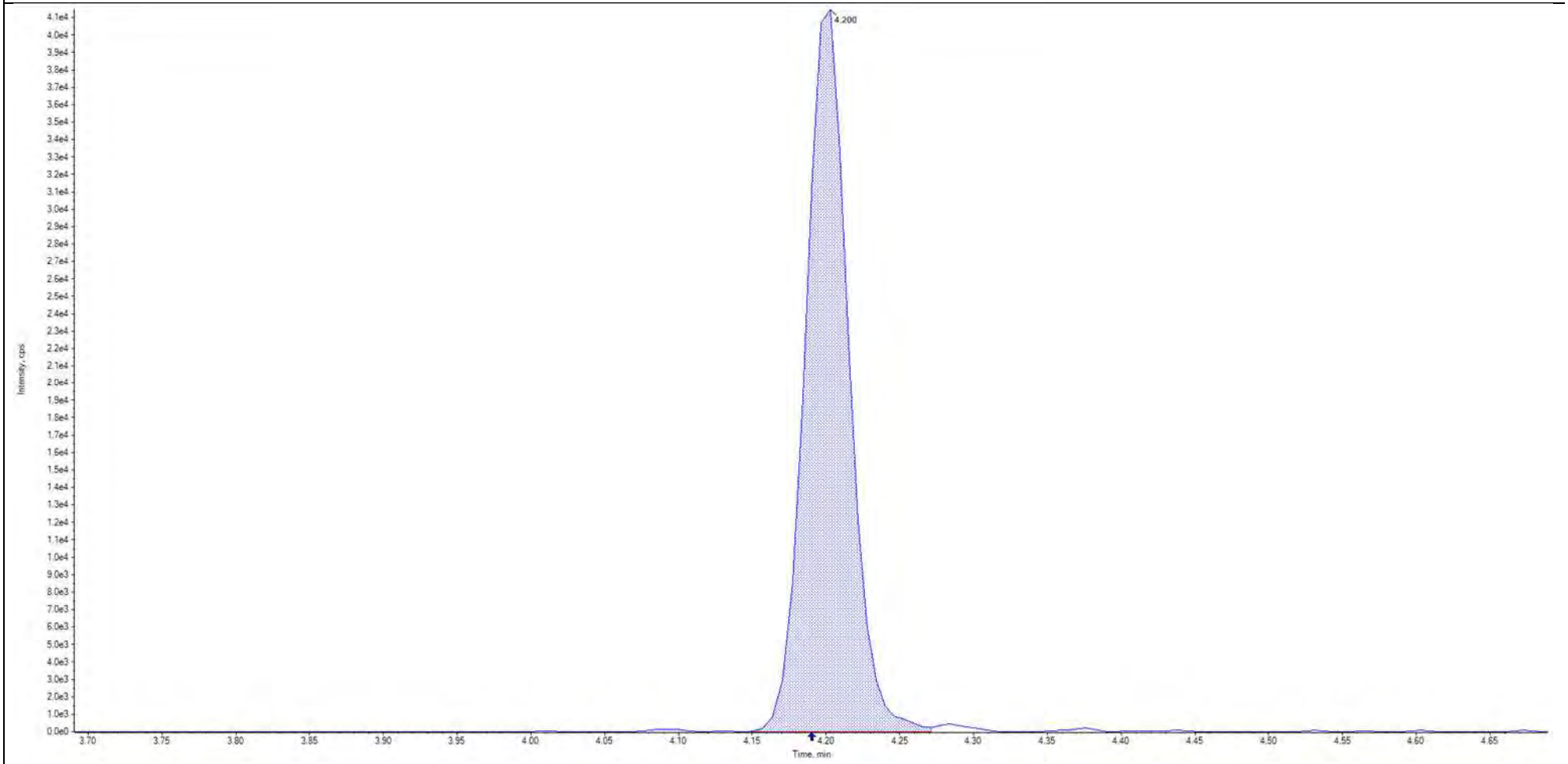
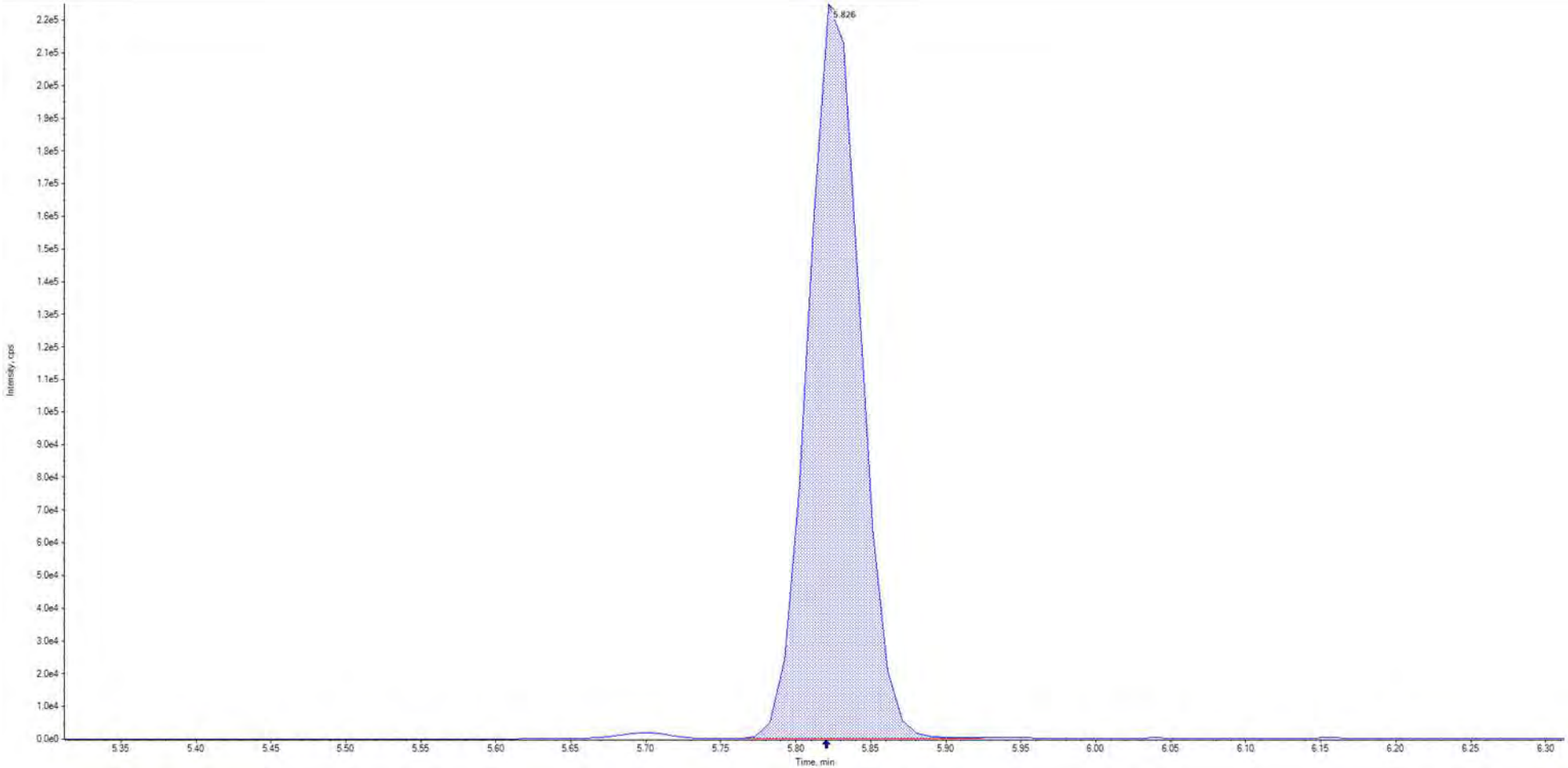


d5-NEtFOSAA
Sample: L2512368-10



d7-NMeFOSE
Sample: L2512368-10



d9-NEtFOSE
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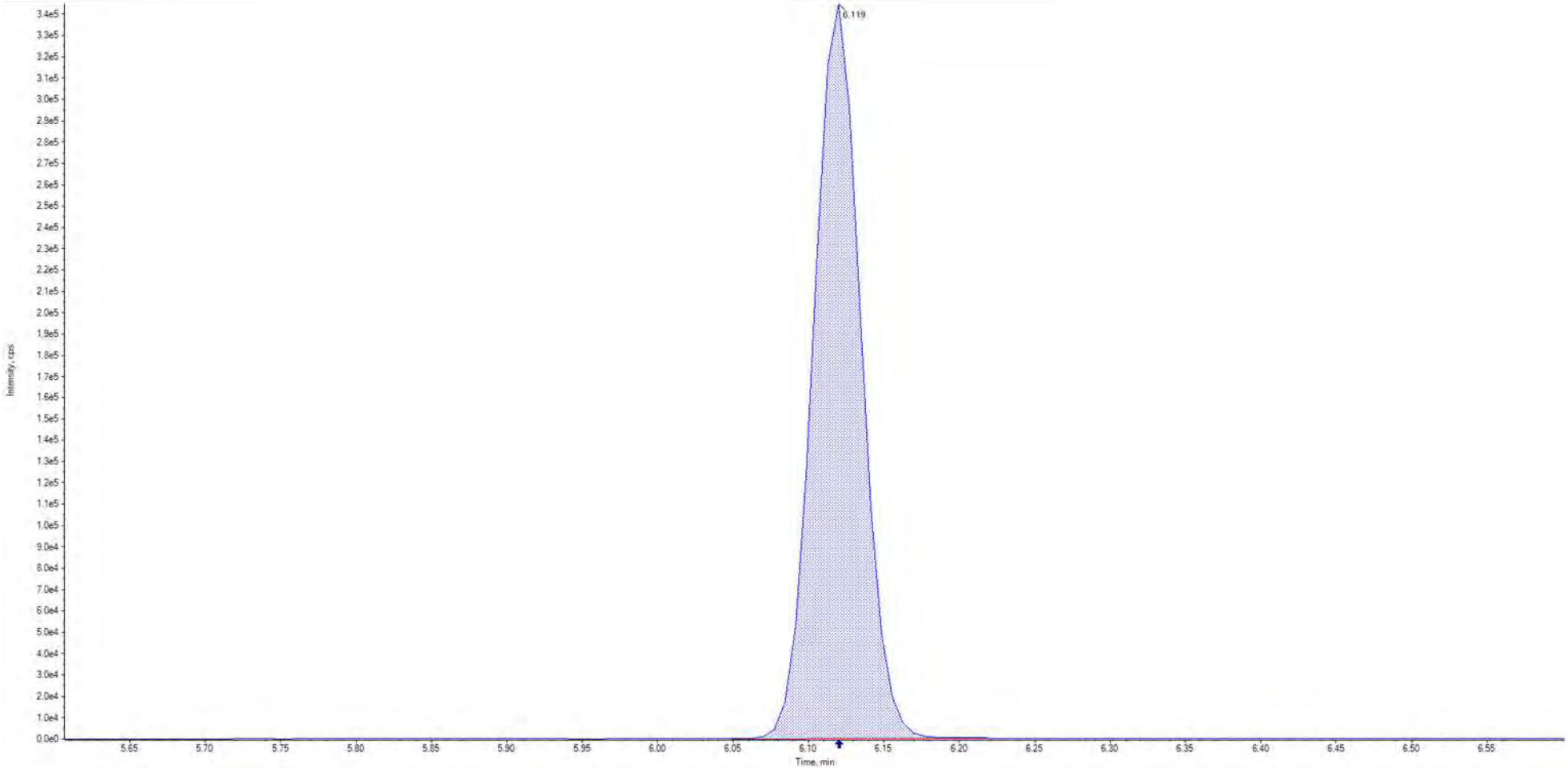

13C3-HFPO-DA
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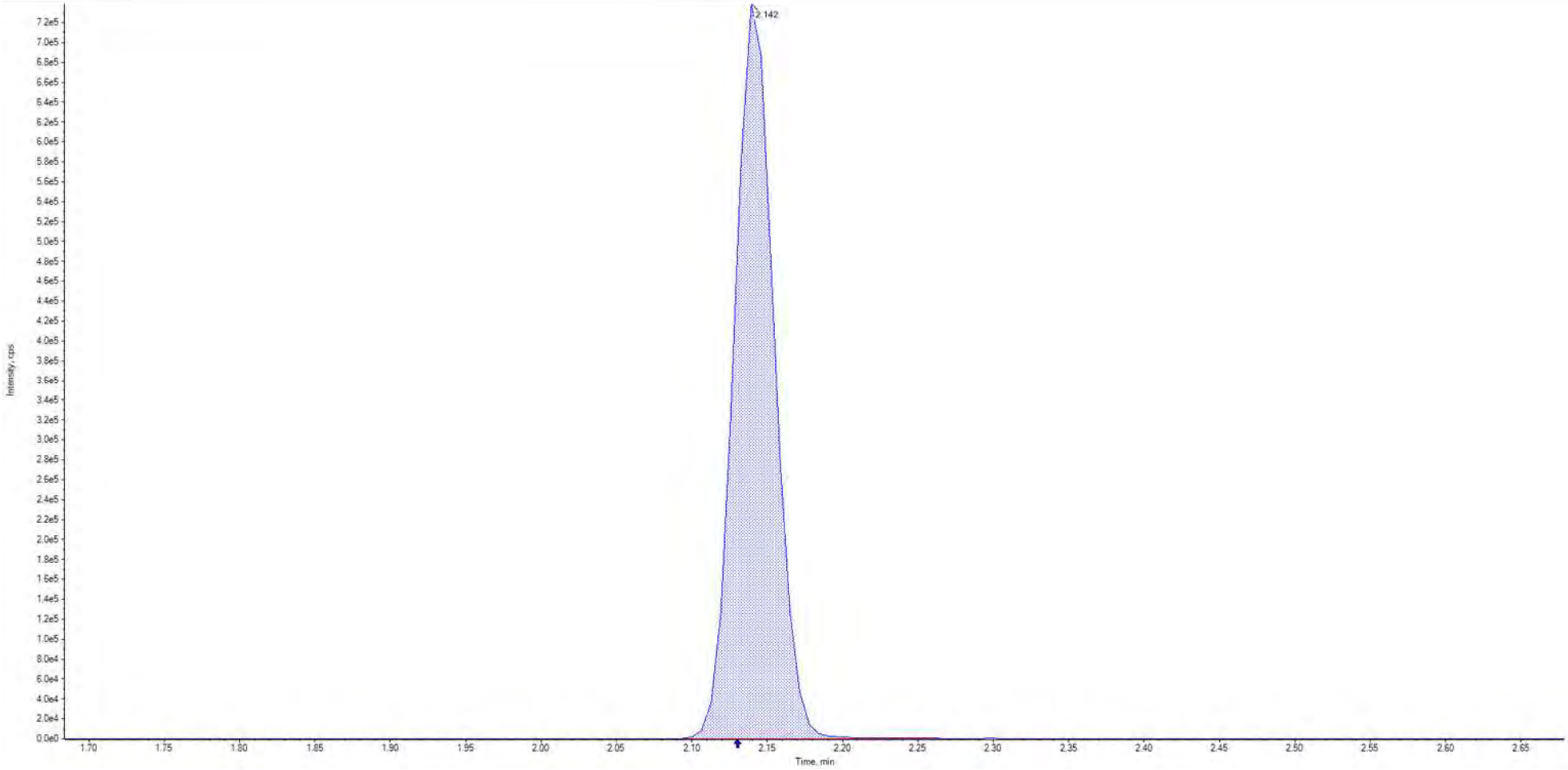

13C3-PFBA
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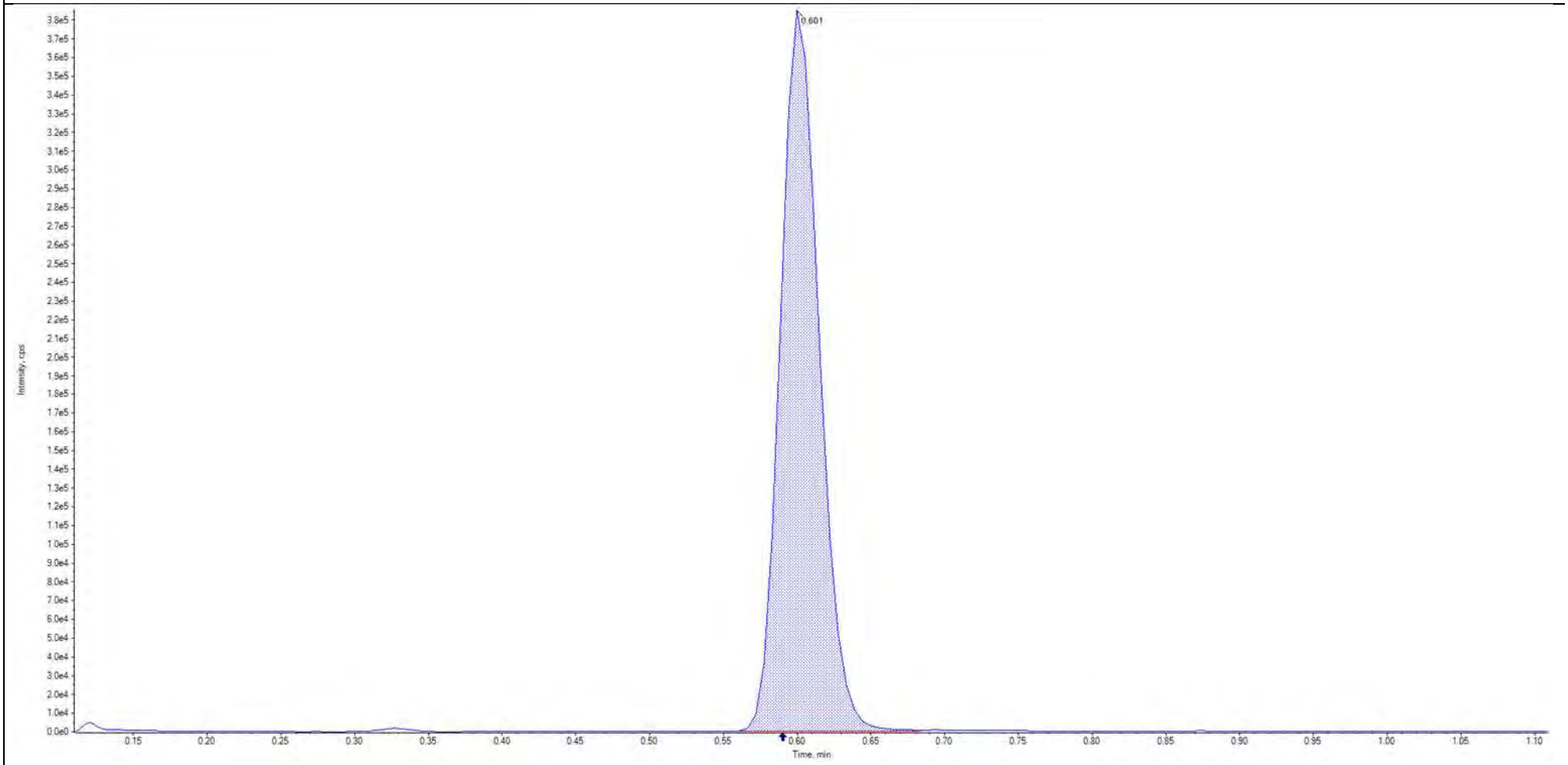

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13C2-PFHxA
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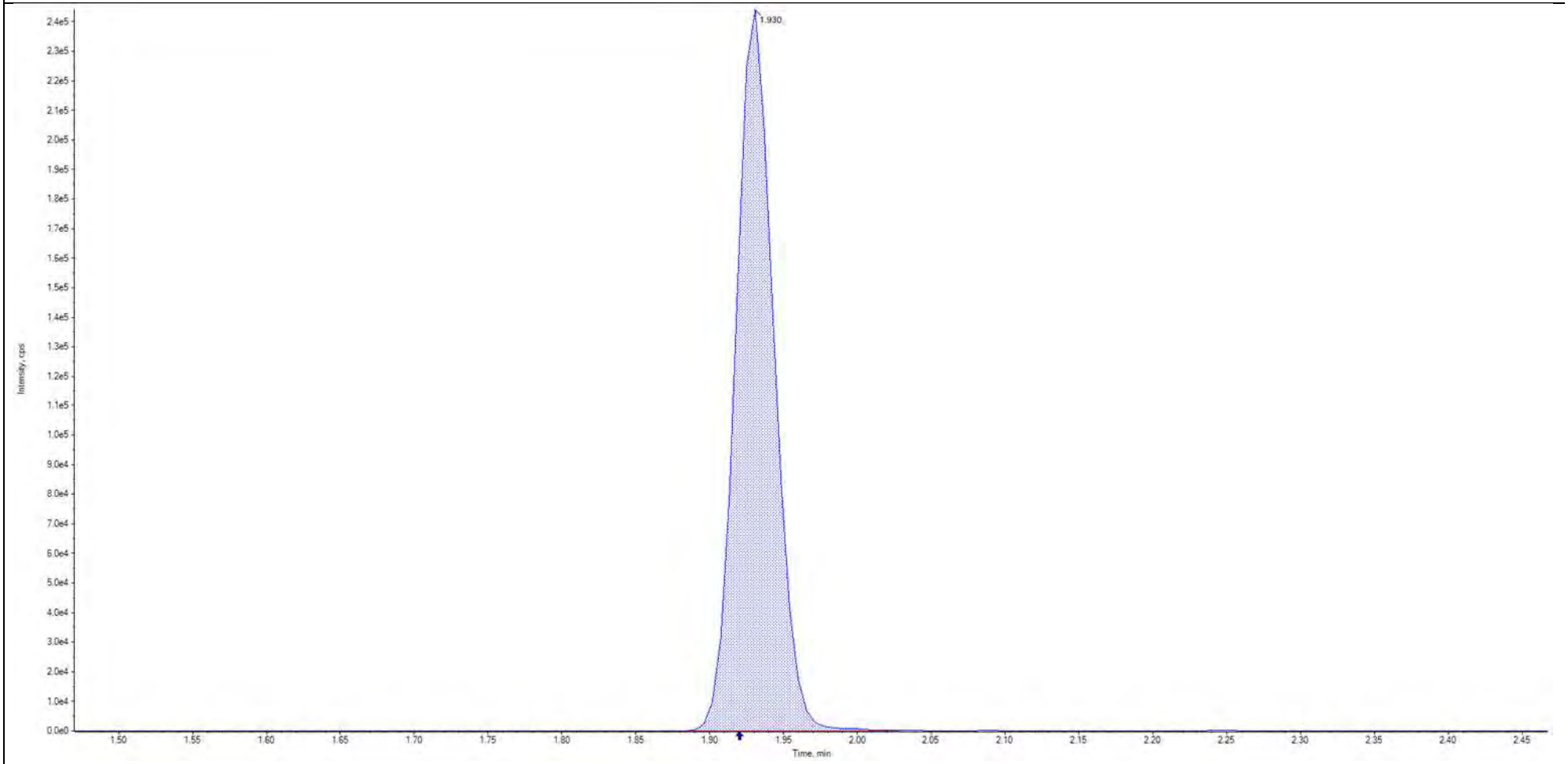

13C4-PFOA
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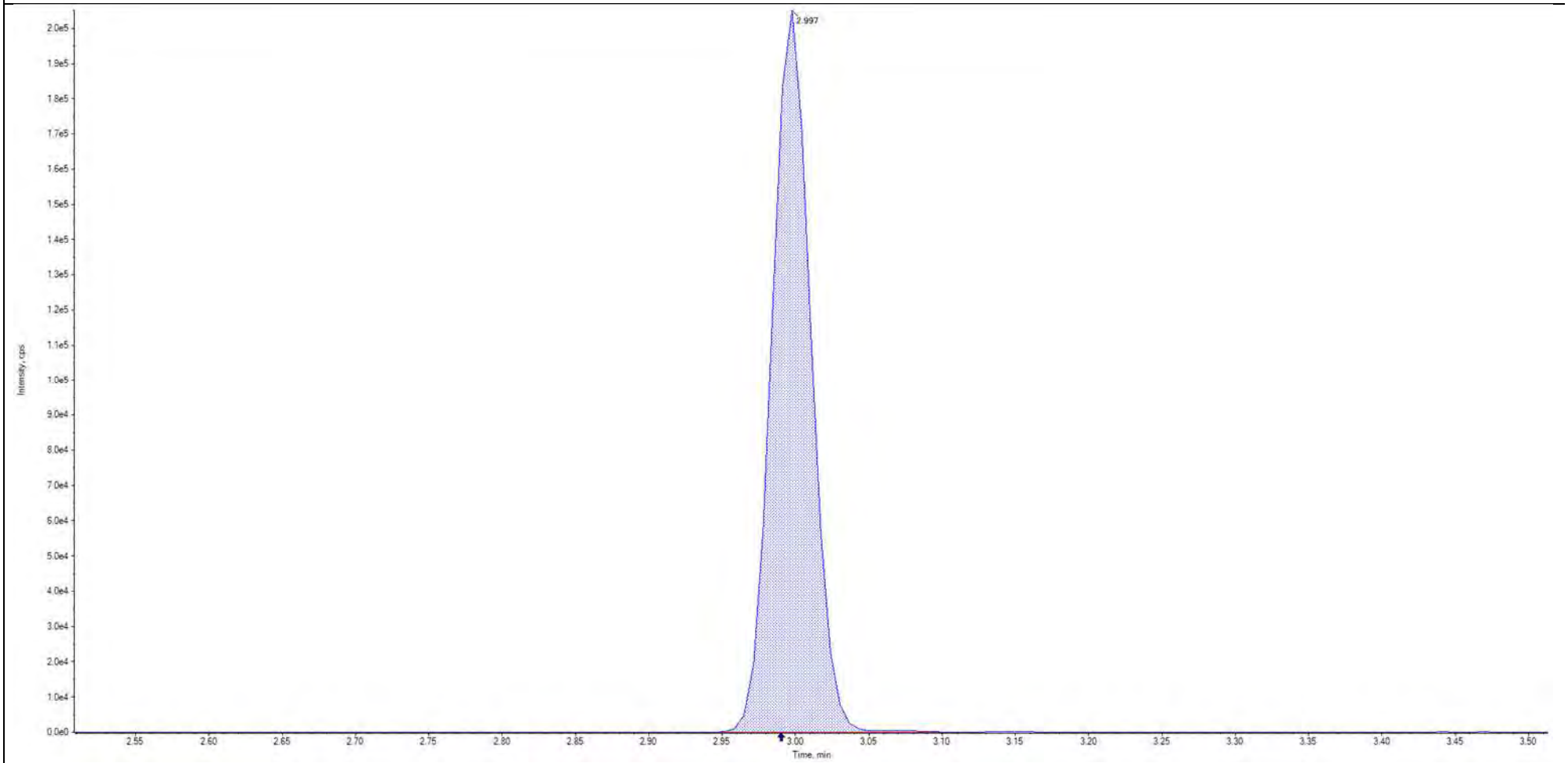

13C5-PFNA
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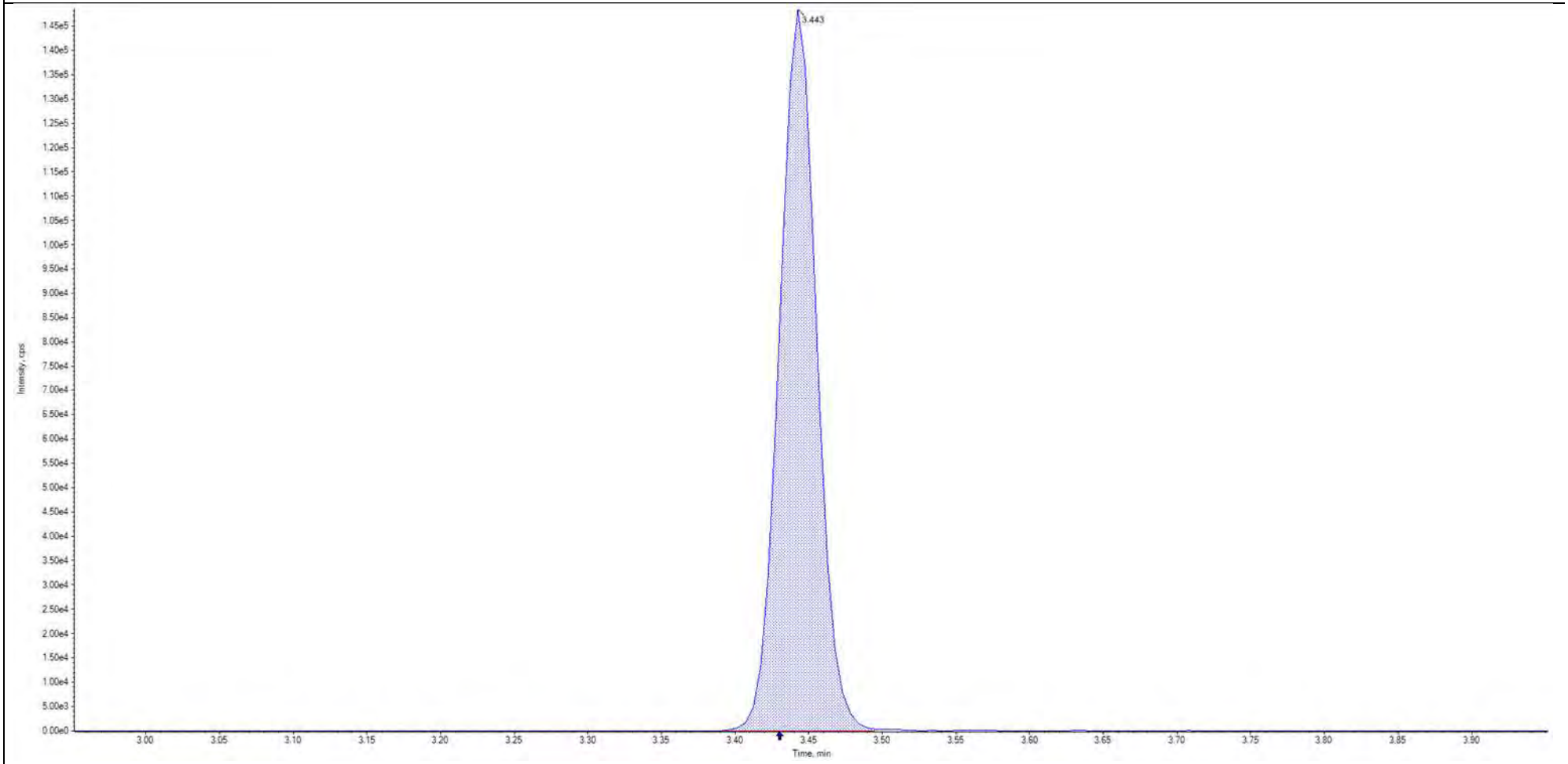

13C2-PFDA
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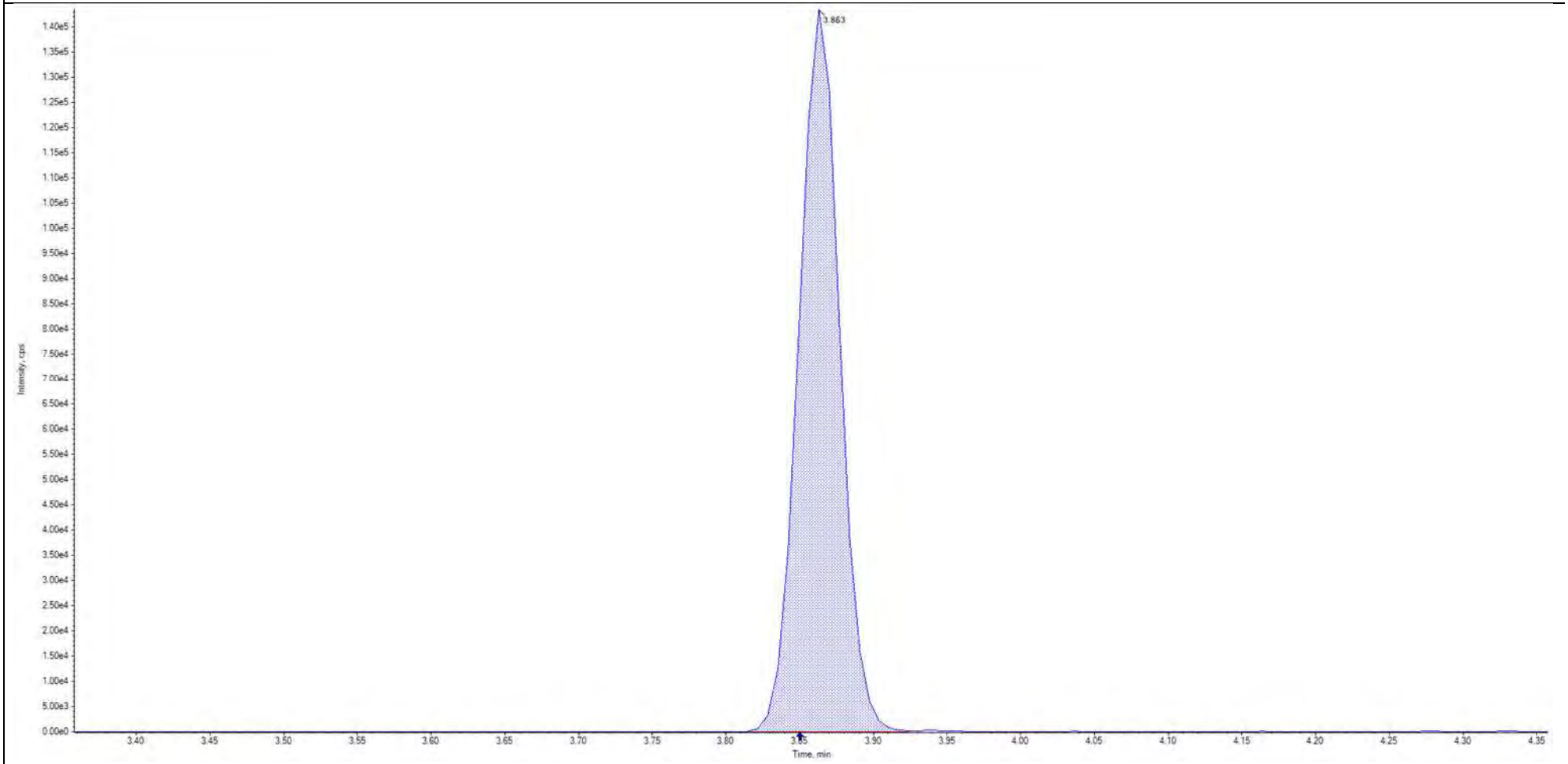

18O2-PFHxS
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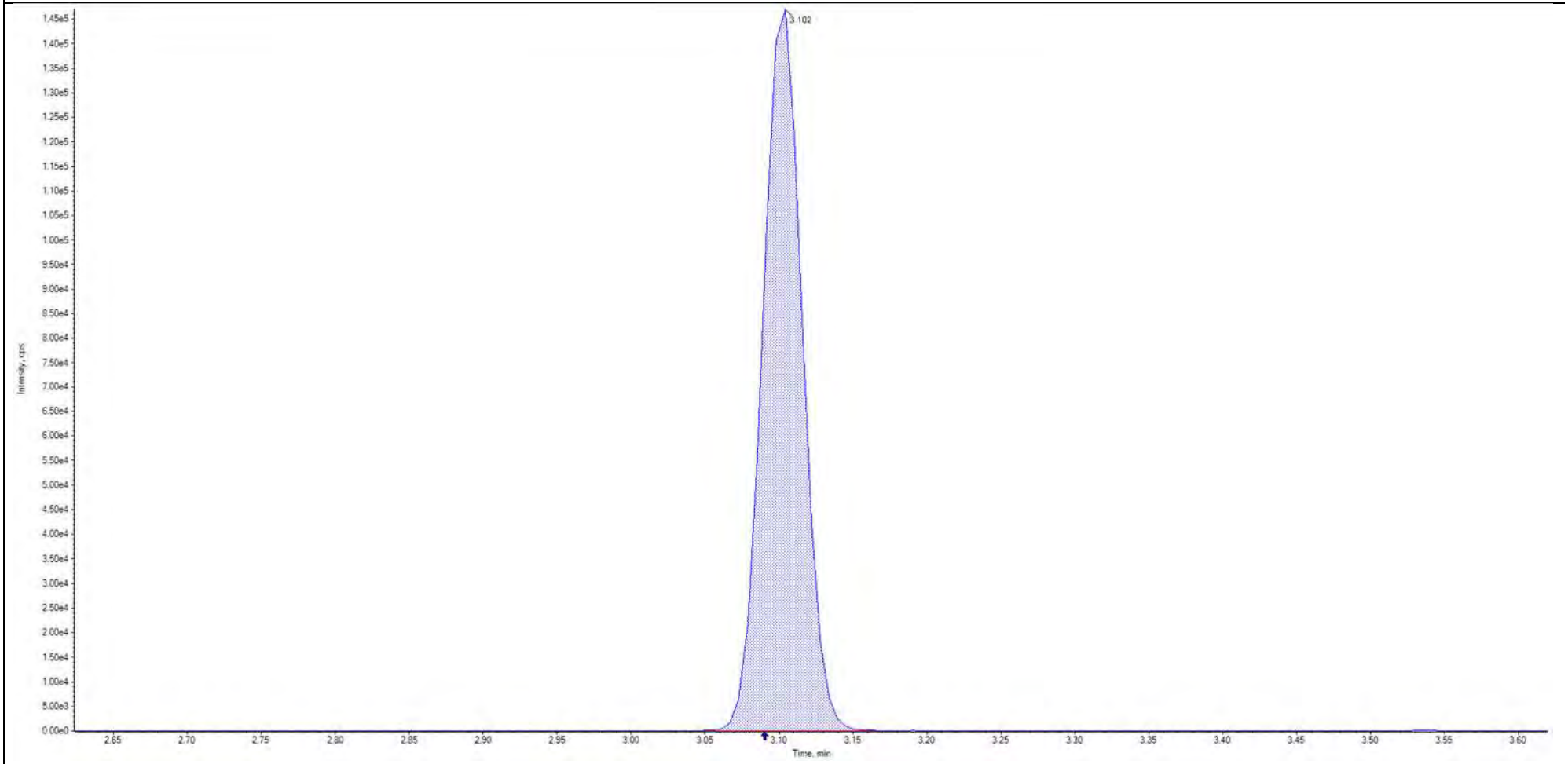

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13C4-PFOS
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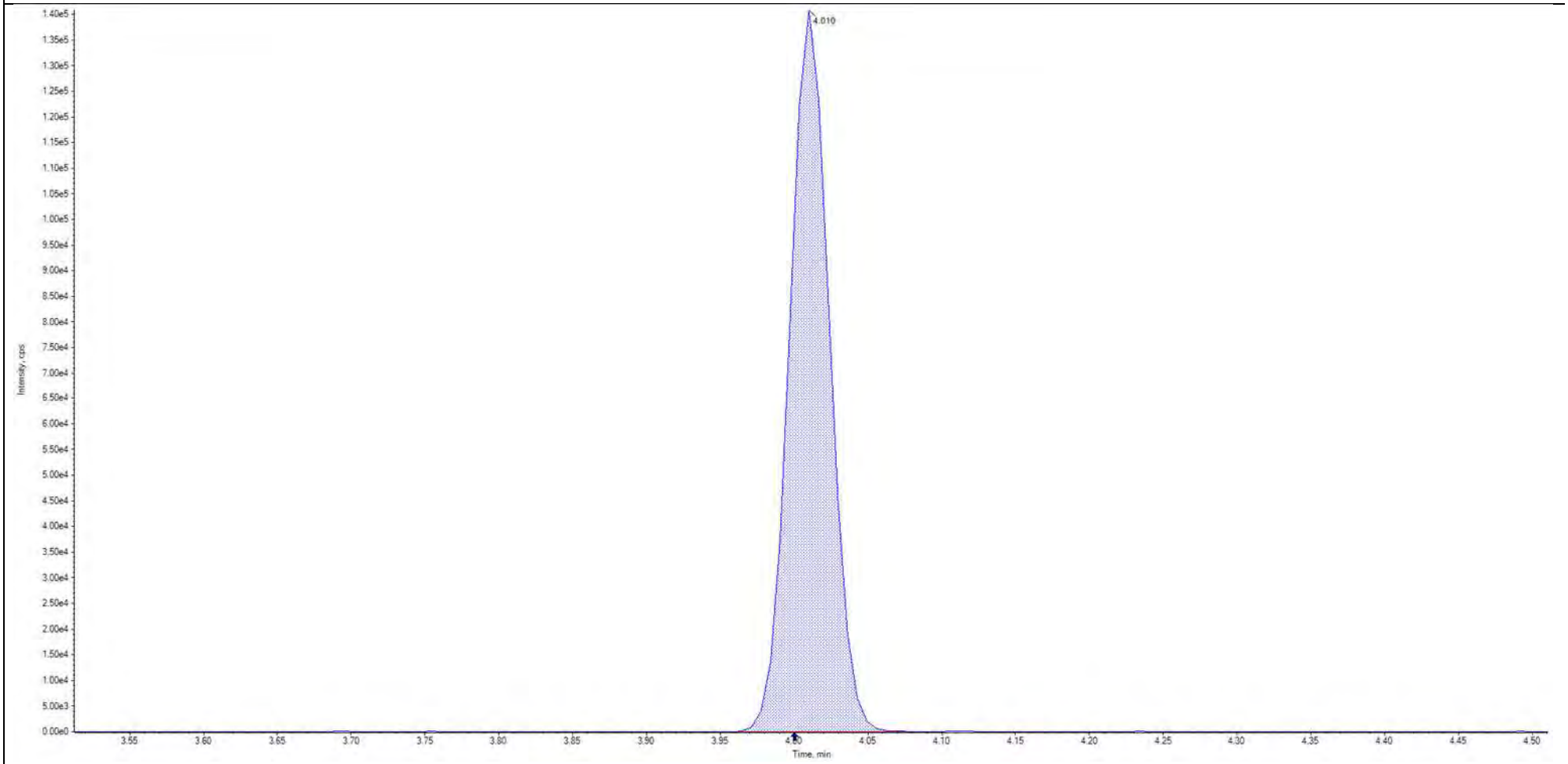

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Method: EPA1633F_250303.qmethod
Calibration: 250303_1633_ICAL

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Date & Time: 2025-03-11T11:00:03
Description: WG2038851,WG2037864,ICAL22044
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	0.59	213.0 / 169.0	28010	M4	0.206	N/A	N/A	N/A	N/A
2	PFPeA	2706-90-3	1.17	263.0 / 219.0	41356		0.297	0.009	N/A	N/A	N/A
3	PFPeA_2	2706-90-3	1.18	263.0 / 68.9	355	M2	0.363	0.009	N/A	N/A	N/A
4	PFHxA	307-24-4	1.91	313.0 / 269.0	48508		0.262	0.079	0.081	Pass	N/A
5	PFHxA_2	307-24-4	1.91	313.0 / 119.0	3846		0.244	0.079	0.081	Pass	N/A
6	PFHpA	375-85-9	2.49	363.1 / 319.0	25723		0.122	0.297	0.373	Pass	N/A
7	PFHpA_2	375-85-9	2.49	363.1 / 169.0	7635	M4	0.092	0.297	0.373	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	2.98	413.1 / 369.1	50080	M5	0.237	0.379	0.424	Pass	N/A
9	PFOA_2	335-67-1	2.98	413.1 / 169.0	18976	M5	0.212	0.379	0.424	Pass	N/A
10	PFNA	375-95-1	3.43	462.8 / 418.9	3975		0.032	0.354	0.493	Pass	N/A
11	PFNA_2	375-95-1	3.43	462.8 / 219.0	1406	M2	0.023	0.354	0.493	Pass	N/A
12	PFDA	335-76-2	3.85	513.1 / 469.1	4688		0.029	0.180	0.188	Pass	N/A
13	PFDA_2	335-76-2	3.84	513.1 / 219.0	844	M2	0.028	0.180	0.188	Pass	N/A
14	PFUnA	2058-94-8	N/A	563.1 / 519.1	N/A		N/A	N/A	0.146	N/A	N/A
15	PFUnA_2	2058-94-8	N/A	563.1 / 269.0	N/A		N/A	N/A	0.146	N/A	N/A
16	PFDoA	307-55-1	N/A	613.1 / 569.1	N/A		N/A	N/A	0.142	N/A	N/A
17	PFDoA_2	307-55-1	N/A	613.1 / 319.0	N/A		N/A	N/A	0.142	N/A	N/A
18	PFTrDA	72629-94-8	N/A	663.1 / 619.1	N/A		N/A	N/A	0.152	N/A	N/A
19	PFTrDA_2	72629-94-8	N/A	663.1 / 169.0	N/A		N/A	N/A	0.152	N/A	N/A
20	PFTeDA	376-06-7	N/A	713.1 / 669.1	N/A		N/A	N/A	0.154	N/A	N/A
21	PFTeDA_2	376-06-7	N/A	713.1 / 169.0	N/A		N/A	N/A	0.154	N/A	N/A
22	PFBS	375-73-5	1.91	299.1 / 80.1	41525		0.265	0.396	0.374	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	1.91	299.1 / 99.1	16432		0.301	0.396	0.374	Pass	N/A
24	PFPeS	2706-91-4	N/A	349.1 / 80.1	N/A		N/A	N/A	0.314	N/A	N/A
25	PFPeS_2	2706-91-4	N/A	349.1 / 99.1	N/A		N/A	N/A	0.314	N/A	N/A
26	PFHxS	355-46-4	3.09	399.1 / 80.1	10011	M5	0.074	0.230	0.306	Pass	N/A
27	PFHxS_2	355-46-4	3.08	399.1 / 99.1	2307	M5	0.059	0.230	0.306	Pass	N/A
28	PFHpS	375-92-8	N/A	449.1 / 80.1	N/A		N/A	N/A	0.316	N/A	N/A
29	PFHpS_2	375-92-8	N/A	449.1 / 99.1	N/A		N/A	N/A	0.316	N/A	N/A
30	PFOS	1763-23-1	3.99	499.1 / 80.1	26202	M5	0.196	0.172	0.244	Pass	N/A
31	PFOS_2	1763-23-1	4.00	499.1 / 99.1	4506	M5	0.134	0.172	0.244	Pass	N/A
32	PFNS	68259-12-1	N/A	549.1 / 80.1	N/A		N/A	N/A	0.294	N/A	N/A
33	PFNS_2	68259-12-1	N/A	549.1 / 99.1	N/A		N/A	N/A	0.294	N/A	N/A
34	PFDS	335-77-3	N/A	599.1 / 80.1	N/A		N/A	N/A	0.290	N/A	N/A
35	PFDS_2	335-77-3	N/A	599.1 / 99.1	N/A		N/A	N/A	0.290	N/A	N/A
36	PFDoS	79780-39-5	N/A	699.2 / 80.1	N/A		N/A	N/A	0.256	N/A	N/A
37	PFDoS_2	79780-39-5	N/A	699.2 / 99.1	N/A		N/A	N/A	0.256	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	0.650	N/A	N/A
39	4:2FTS_2	757124-72-4	N/A	327.1 / 81.1	N/A		N/A	N/A	0.650	N/A	N/A
40	6:2FTS	27619-97-2	N/A	427.2 / 407.2	N/A		N/A	N/A	0.620	N/A	N/A
41	6:2FTS_2	27619-97-2	N/A	427.2 / 81.1	N/A		N/A	N/A	0.620	N/A	N/A
42	8:2FTS	39108-34-4	N/A	527.2 / 507.2	N/A		N/A	N/A	0.676	N/A	N/A
43	8:2FTS_2	39108-34-4	N/A	527.2 / 81.1	N/A		N/A	N/A	0.676	N/A	N/A
44	PFOSA	754-91-6	N/A	498.1 / 78.1	N/A		N/A	N/A	0.026	N/A	N/A
45	PFOSA_2	754-91-6	N/A	498.1 / 478.0	N/A		N/A	N/A	0.026	N/A	N/A
46	NMeFOSA	31506-32-8	N/A	512.2 / 219.0	N/A		N/A	N/A	1.377	N/A	N/A
47	NMeFOSA_2	31506-32-8	N/A	512.2 / 169.0	N/A		N/A	N/A	1.377	N/A	N/A
48	NEtFOSA	4151-50-2	N/A	526.2 / 219.0	N/A		N/A	N/A	1.292	N/A	N/A
49	NEtFOSA_2	4151-50-2	N/A	526.2 / 169.0	N/A		N/A	N/A	1.292	N/A	N/A
50	NMeFOSAA	2355-31-9	N/A	570.2 / 419.1	N/A		N/A	N/A	0.697	N/A	N/A
51	NMeFOSAA_2	2355-31-9	N/A	570.2 / 483.0	N/A		N/A	N/A	0.697	N/A	N/A
52	NEtFOSAA	2991-50-6	N/A	584.2 / 419.1	N/A		N/A	N/A	0.557	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	0.557	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	0.501	N/A	N/A
57	HFPO-DA_2	13252-13-6	N/A	285.0 / 184.9	N/A		N/A	N/A	0.501	N/A	N/A
58	ADONA	919005-14-4	N/A	376.9 / 251.0	N/A		N/A	N/A	0.691	N/A	N/A
59	ADONA_2	919005-14-4	N/A	376.9 / 84.8	N/A		N/A	N/A	0.691	N/A	N/A
60	9Cl-PF3ONS	756426-58-1	N/A	530.8 / 351.1	N/A		N/A	N/A	0.332	N/A	N/A
61	9Cl-PF3ONS_2	756426-58-1	N/A	532.8 / 353.0	N/A		N/A	N/A	0.332	N/A	N/A
62	11Cl-PF3OUdS	763051-92-9	N/A	630.9 / 451.0	N/A		N/A	N/A	0.322	N/A	N/A
63	11Cl-PF3OUdS_2	763051-92-9	N/A	632.9 / 452.9	N/A		N/A	N/A	0.322	N/A	N/A
64	3:3FTCA	356-02-5	N/A	241.1 / 177.1	N/A		N/A	N/A	1.010	N/A	N/A
65	3:3FTCA_2	356-02-5	N/A	241.1 / 117.0	N/A		N/A	N/A	1.010	N/A	N/A
66	5:3FTCA	914637-49-3	N/A	341.1 / 237.1	N/A		N/A	N/A	1.017	N/A	N/A
67	5:3FTCA_2	914637-49-3	N/A	341.1 / 217.0	N/A		N/A	N/A	1.017	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	1.343	N/A	N/A
69	7:3FTCA_2	812-70-4	N/A	441.1 / 337.1	N/A		N/A	N/A	1.343	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	5.680	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	5.680	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	0.58	217.0 / 172.0	1523219		10.296	NA	NA	NA	103.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.17	268.0 / 223.0	726234		4.690	NA	NA	NA	93.8
	13C5-PFHxA	EIS	1.91	318.0 / 273.0	361348		2.482	NA	NA	NA	99.3
	13C4-PFHpA	EIS	2.48	367.0 / 322.0	361804		2.576	NA	NA	NA	103.1
	13C8-PFOA	EIS	2.98	420.8 / 376.0	618002		2.570	NA	NA	NA	102.8
	13C9-PFNA	EIS	3.42	472.0 / 427.0	232979		1.183	NA	NA	NA	94.6
	13C6-PFDA	EIS	3.84	519.0 / 474.0	228157		1.085	NA	NA	NA	86.8
	13C7-PFUnA	EIS	4.24	570.0 / 525.0	227805		0.981	NA	NA	NA	78.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.63	615.1 / 570.0	215620		0.923	NA	NA	NA	73.9
	13C2-PFTeDA	EIS	5.37	715.1 / 670.1	130707		0.863	NA	NA	NA	69.0
	13C3-PFBS	EIS	1.91	302.1 / 80.1	343221		2.339	NA	NA	NA	100.4
	13C3-PFHxS	EIS	3.08	402.1 / 80.1	310573		2.382	NA	NA	NA	100.5
	13C8-PFOS	EIS	3.99	507.1 / 80.1	280541		2.124	NA	NA	NA	88.5
	13C2-4:2FTS	EIS	1.70	329.1 / 81.1	106102		4.903	NA	NA	NA	104.5
	13C2-6:2FTS	EIS	2.79	429.2 / 81.1	102199		5.486	NA	NA	NA	115.2
	13C2-8:2FTS	EIS	3.66	529.2 / 81.1	69464		3.976	NA	NA	NA	82.8

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C8-PFOSA	EIS	5.22	506.1 / 78.1	430711		2.054	NA	NA	NA	82.2
d3-NMeFOSA	EIS	5.95	515.2 / 219.0	59198		1.563	NA	NA	NA	62.5
d5-NEtFOSA	EIS	6.24	531.2 / 219.0	56698		1.647	NA	NA	NA	65.9
d3-NMeFOSAA	EIS	3.97	573.2 / 419.1	89044		3.451	NA	NA	NA	69.0
d5-NEtFOSAA	EIS	4.18	589.3 / 419.1	78985		3.754	NA	NA	NA	75.1
d7-NMeFOSE	EIS	5.80	623.2 / 58.9	520220		19.099	NA	NA	NA	76.4
d9-NEtFOSE	EIS	6.10	639.2 / 58.9	666024		18.228	NA	NA	NA	72.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.12	287.0 / 169.0	1416733		9.201	NA	NA	NA	92.0
	13C3-PFBA	NIS	0.58	216.0 / 172.0	654634		4.517	NA	NA	NA	90.3
	13C2-PFHxA	NIS	1.91	315.0 / 270.0	428669		2.645	NA	NA	NA	105.8
	13C4-PFOA	NIS	2.97	417.0 / 372.0	365402		2.542	NA	NA	NA	101.7
	13C5-PFNA	NIS	3.42	468.0 / 423.0	246720		1.197	NA	NA	NA	95.8
	13C2-PFDA	NIS	3.84	515.1 / 470.1	245536		1.155	NA	NA	NA	92.4
	18O2-PFHxS	NIS	3.08	403.1 / 84.1	274244		2.330	NA	NA	NA	98.3
	13C4-PFOS	NIS	3.99	503.1 / 80.1	265737		2.210	NA	NA	NA	92.1

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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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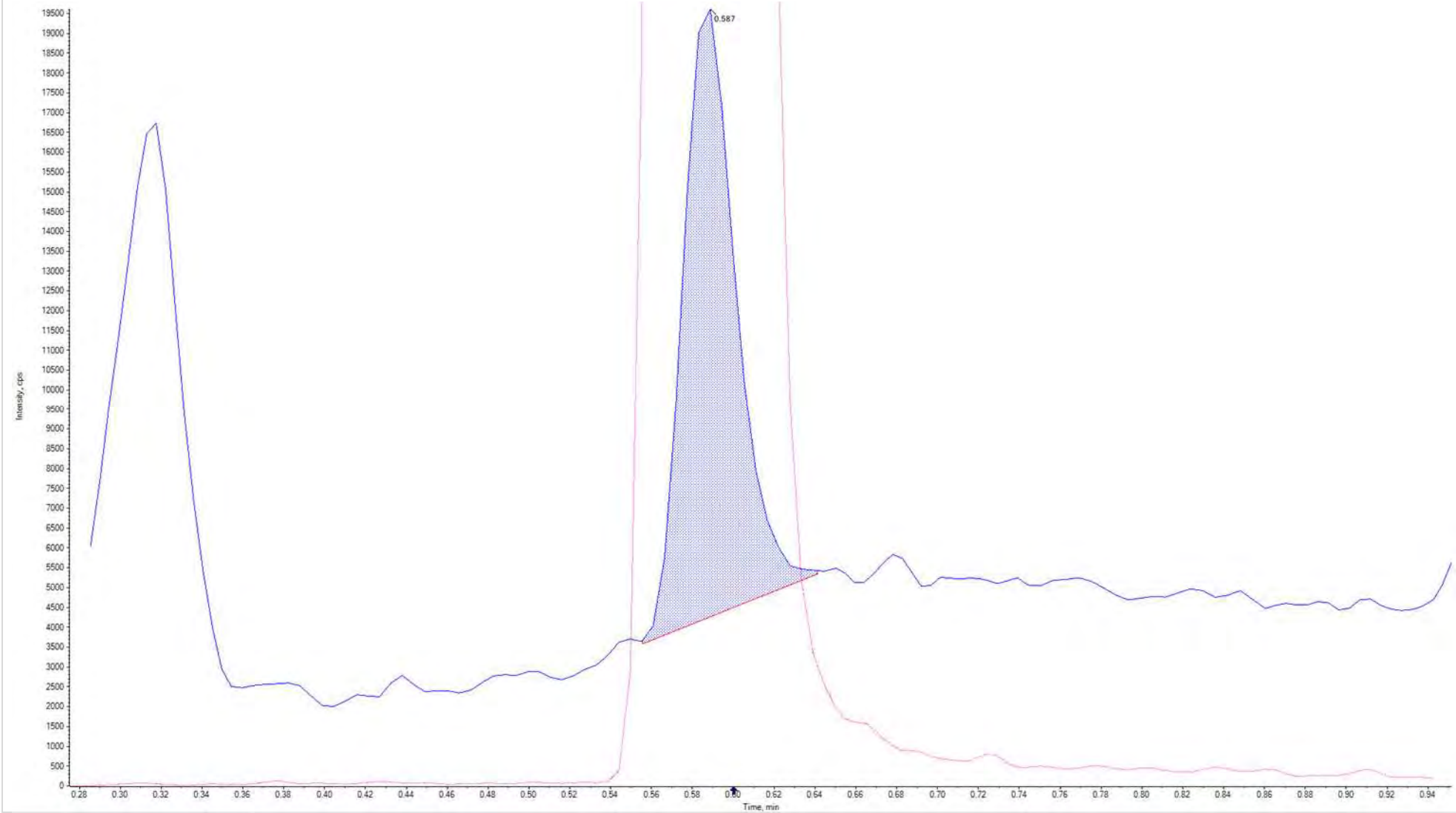
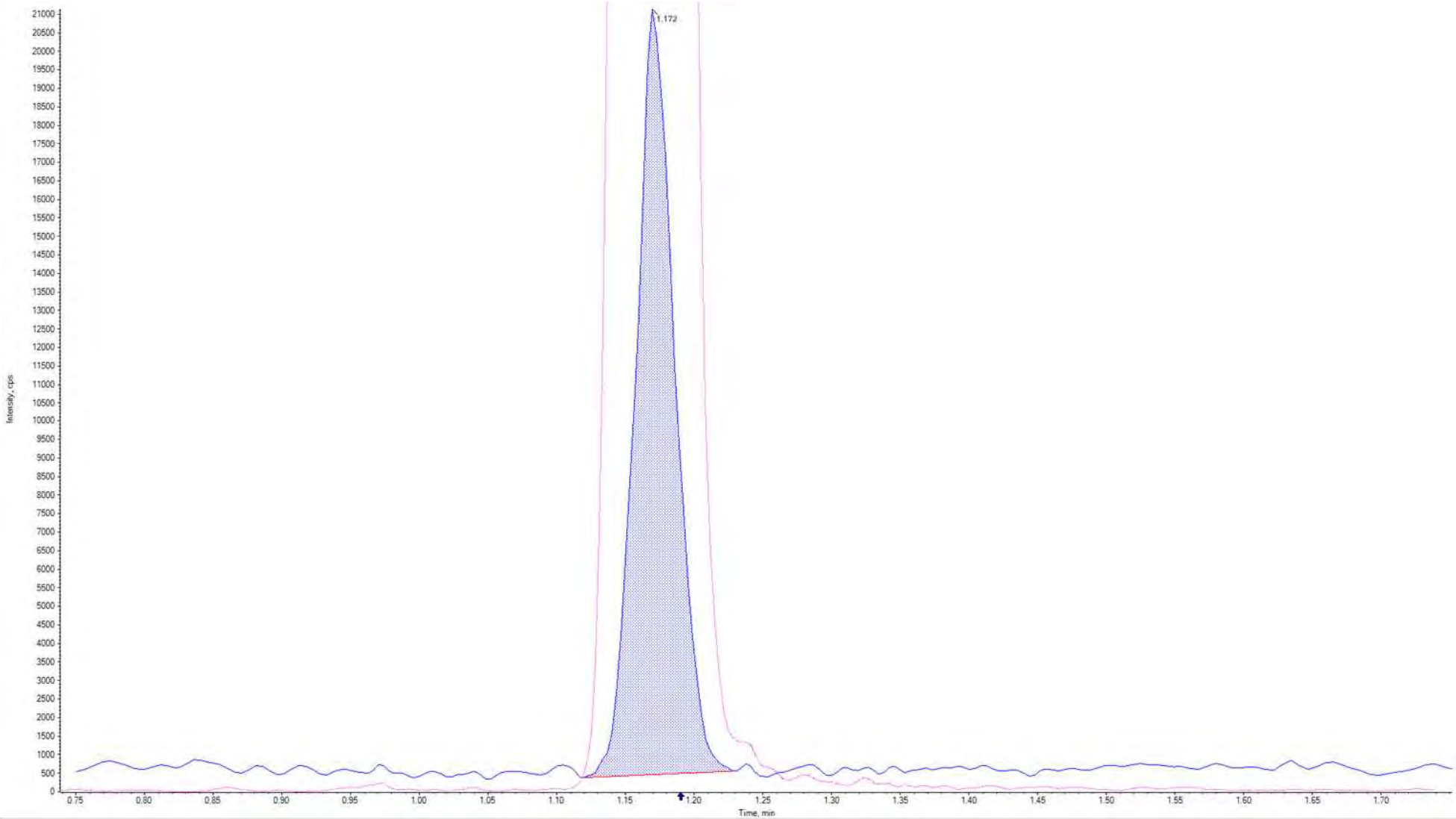
Generated: 3/11/2025 12:27:08 PM

PFBA
Sample: L2512368-19 S/N:82.4 Points Across peak:17



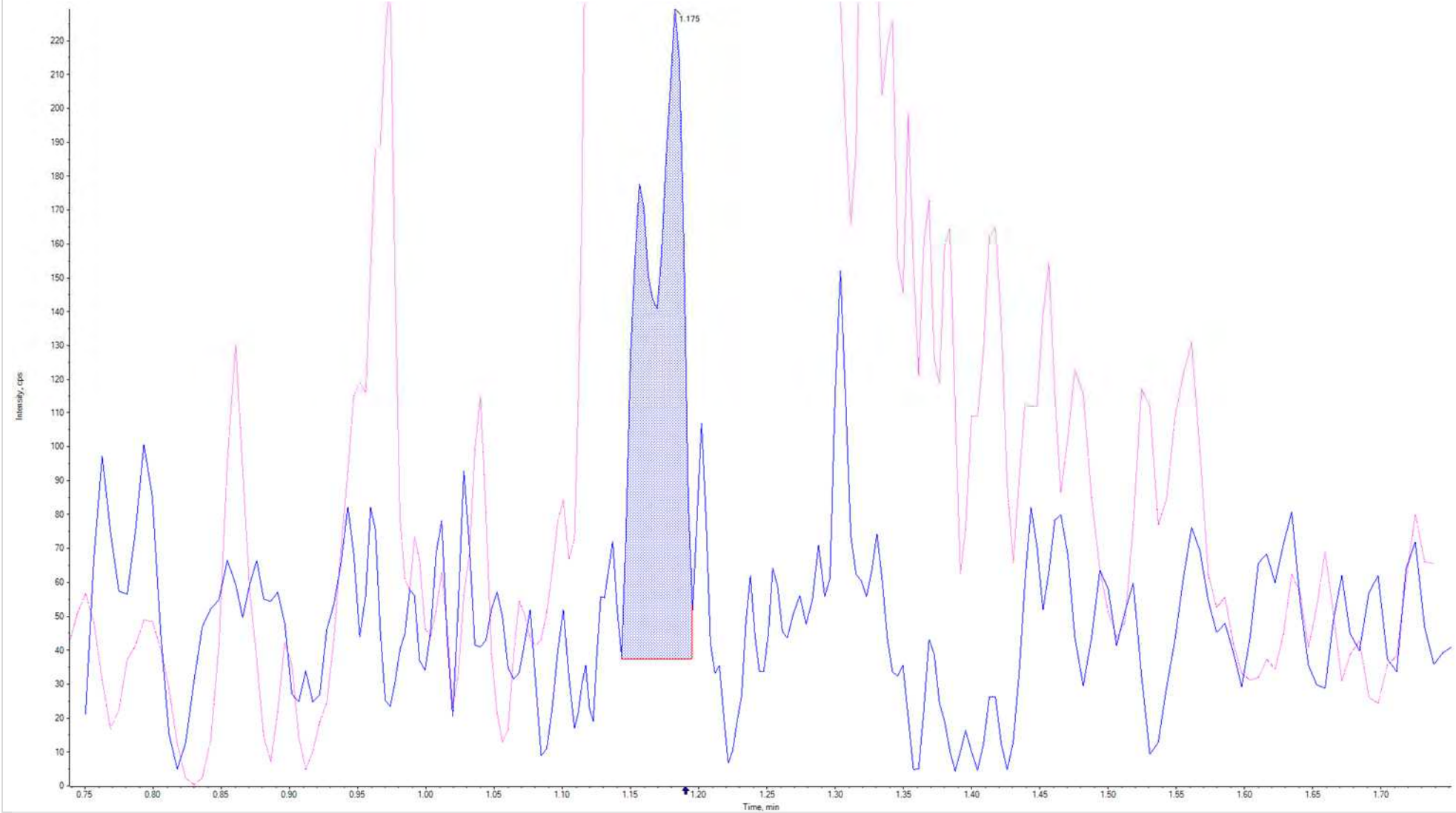
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_34.wiff2_7
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

PFPeA
Sample: L2512368-19 S/N:387.6 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\250311\SCI09_250311_34.wiff2_7
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

PFPeA_2
Sample: L2512368-19 S/N:11.5 Points Across peak:18



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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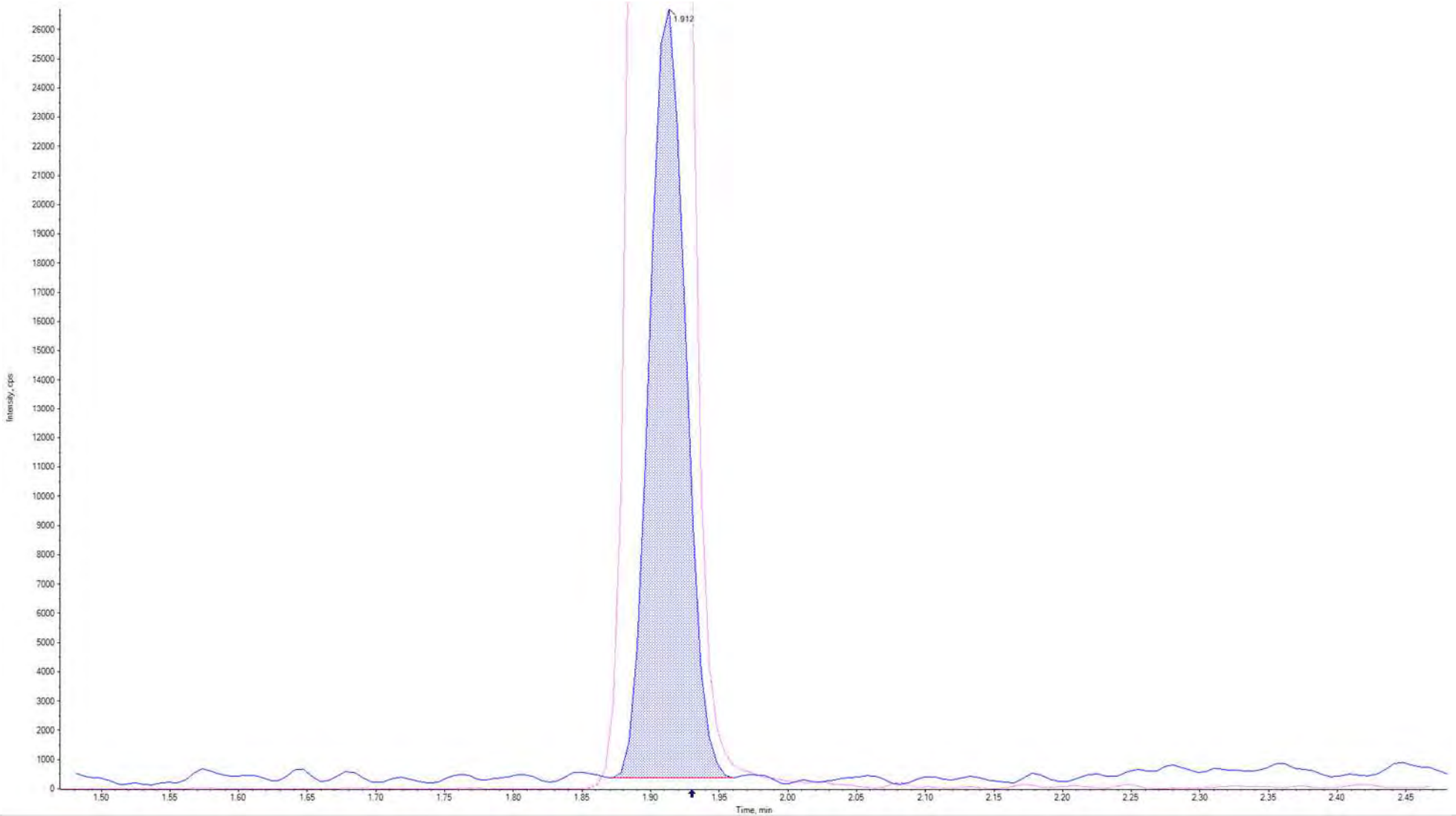
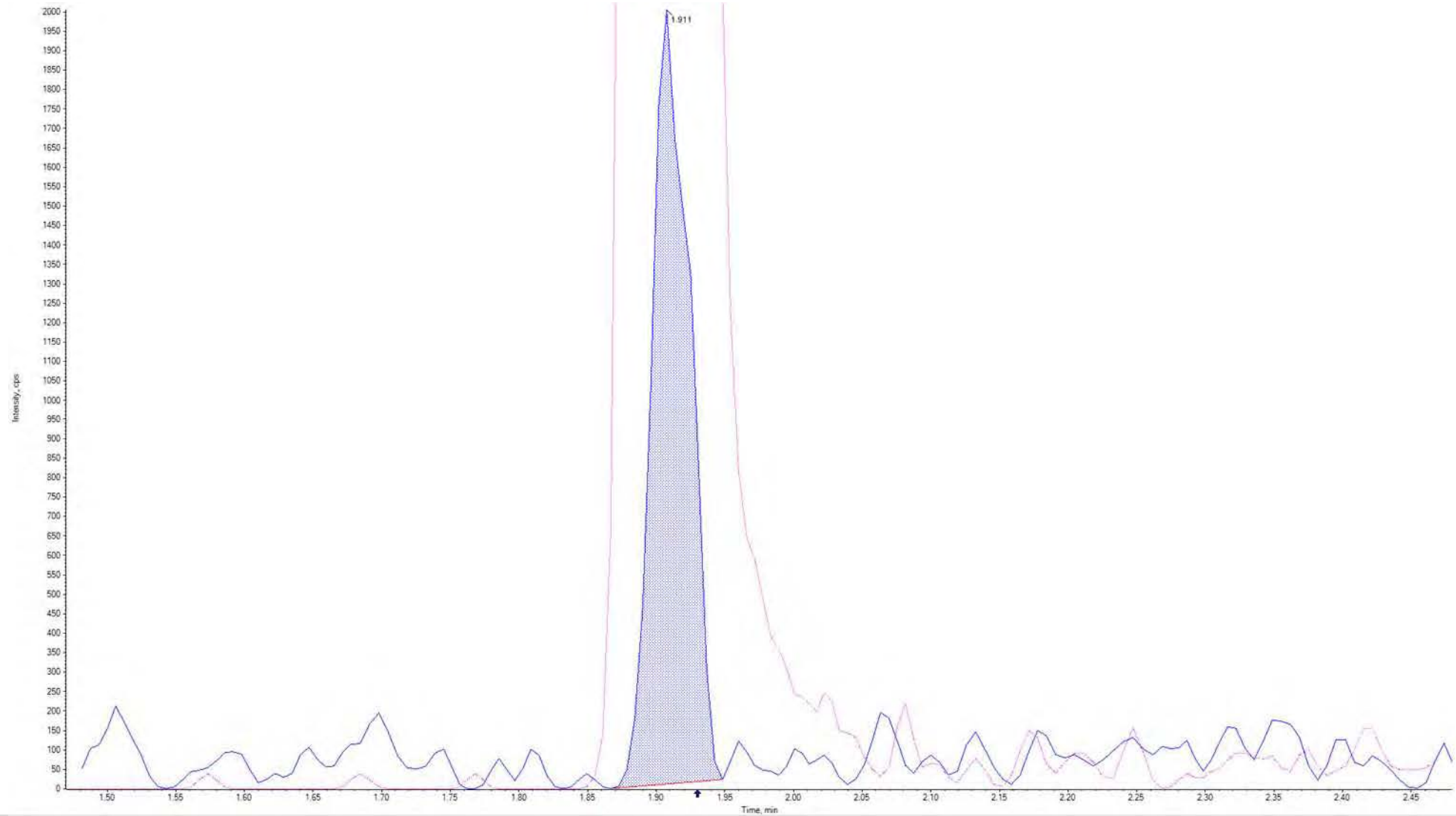
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

PFHxA
Sample: L2512368-19 S/N:436.2 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\250311\SCI09_250311_34.wiff2_7
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

PFHxA_2
Sample: L2512368-19 S/N:49.9 Points Across peak:15



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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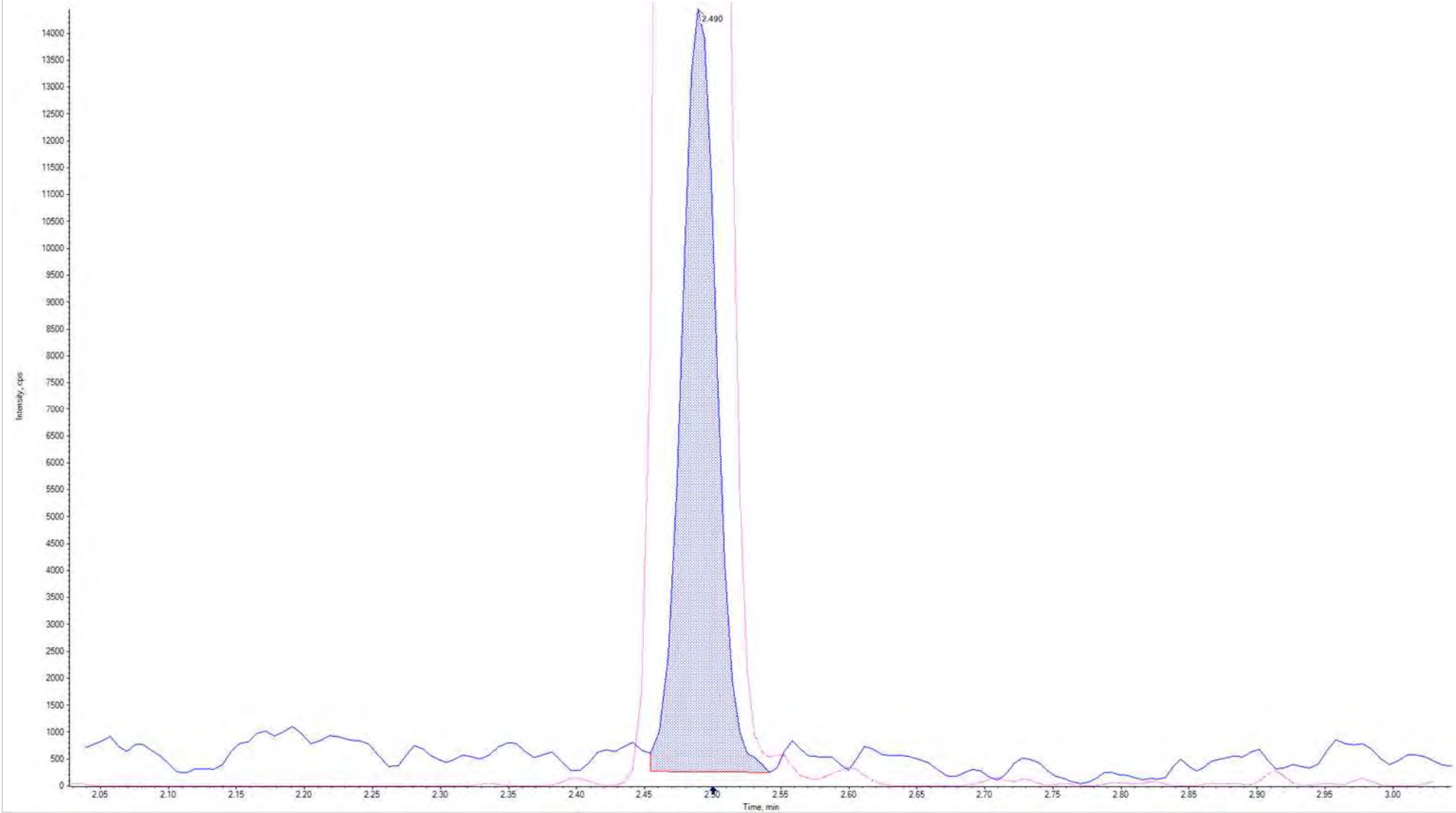
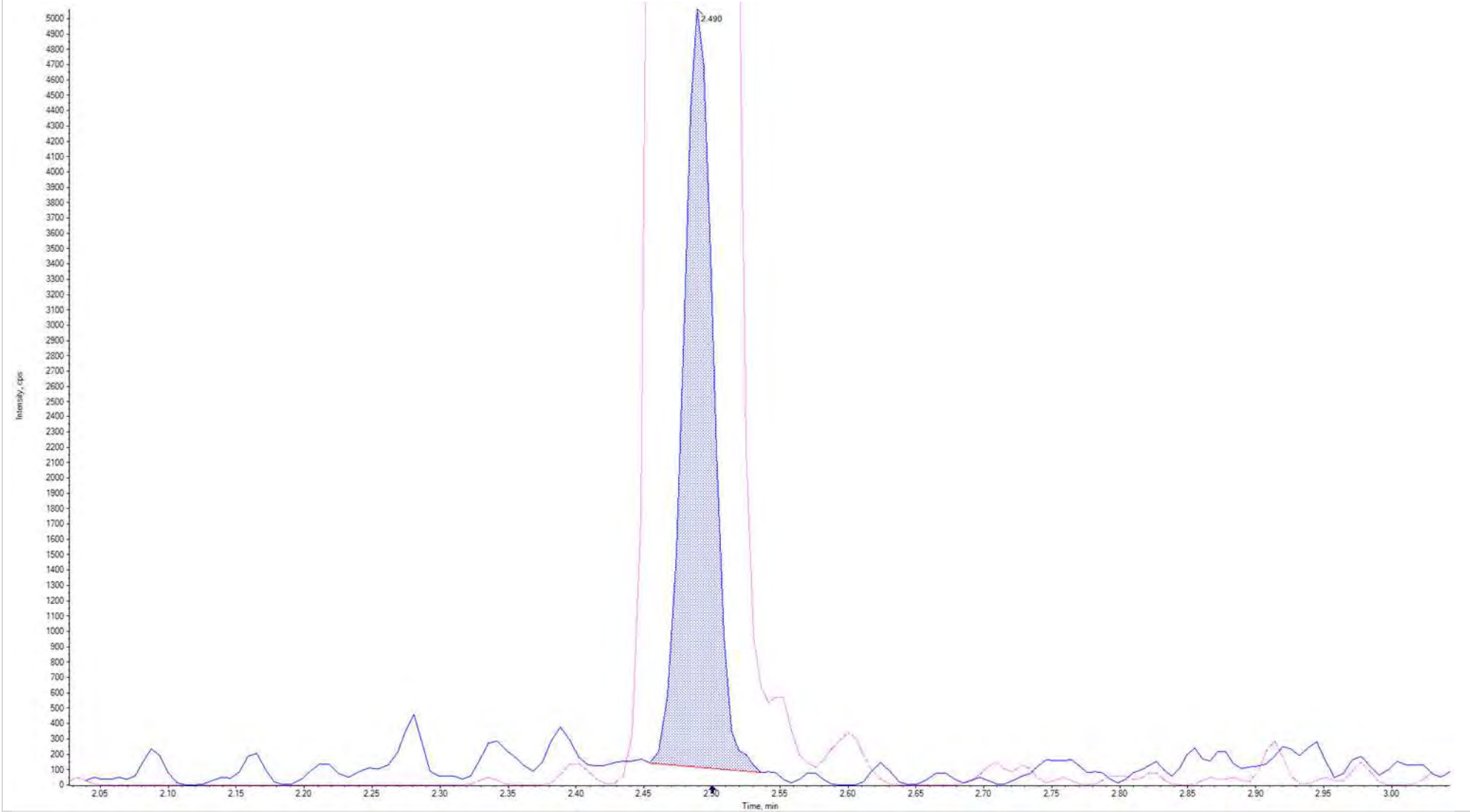
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

PFHpA
Sample: L2512368-19 S/N:284.5 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\250311\SCI09_250311_34.wiff2_7
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

PFHpA_2
Sample: L2512368-19 S/N:99.2 Points Across peak:17



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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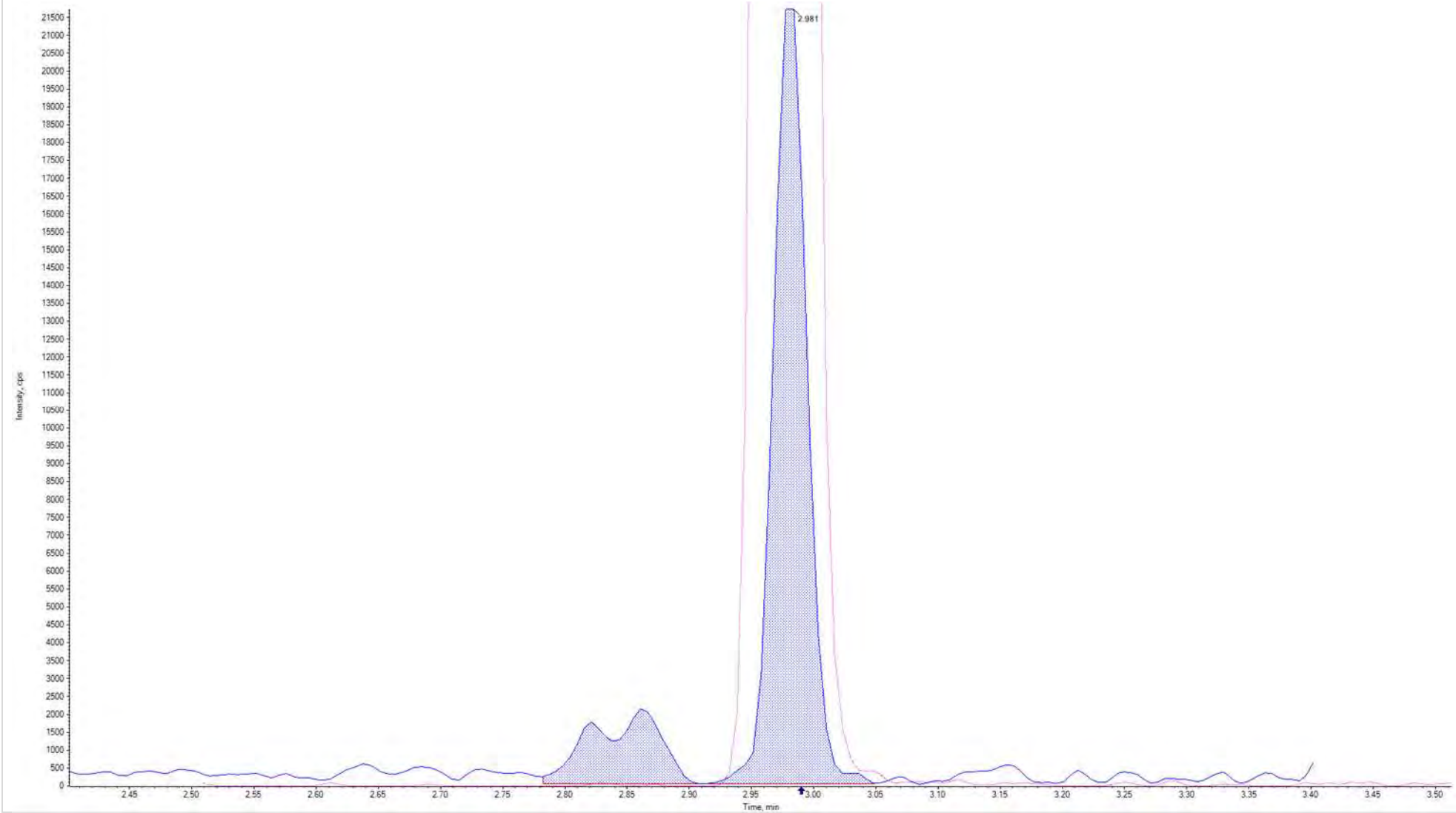
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

PFOA
Sample: L2512368-19 S/N:216.4 Points Across peak:46



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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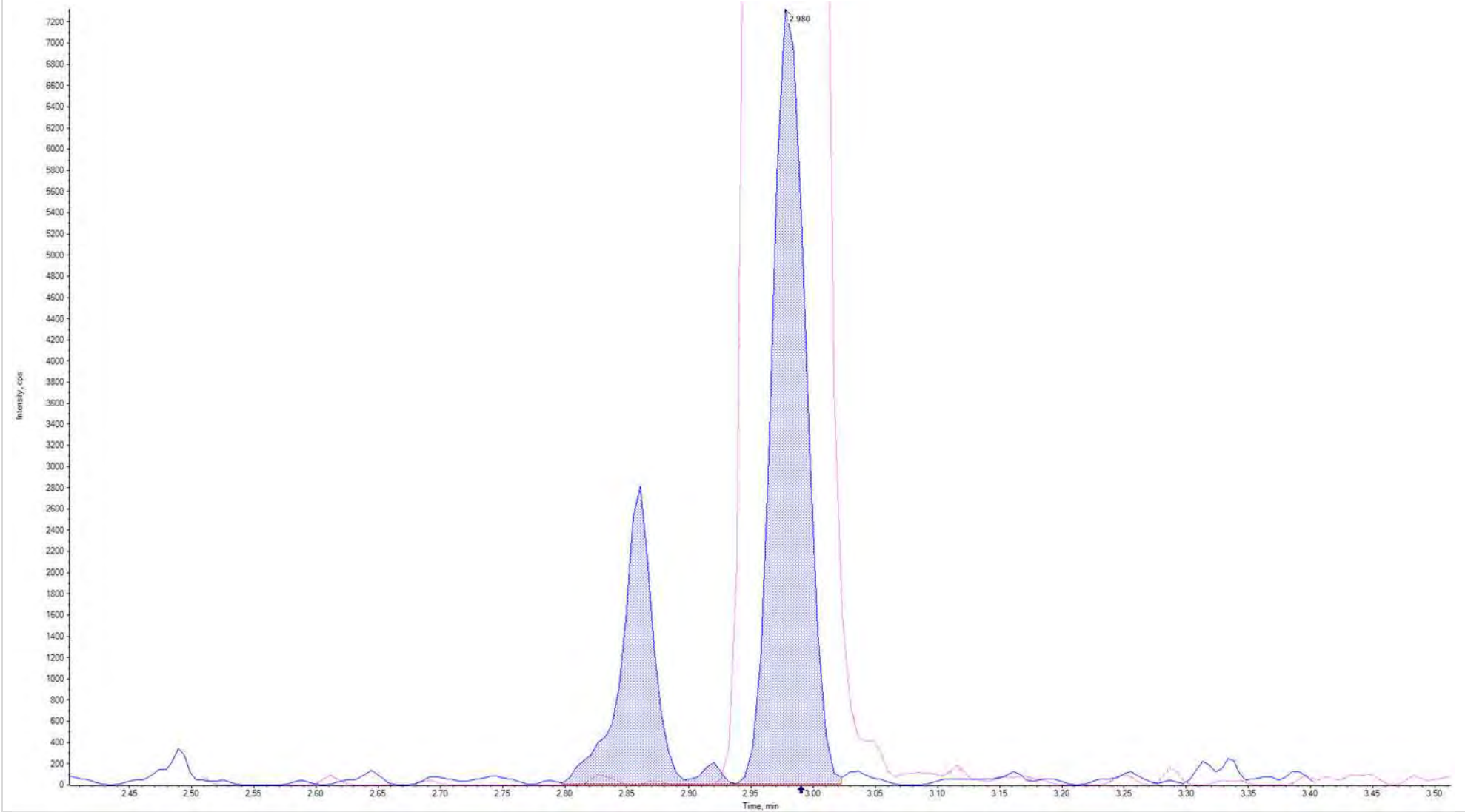
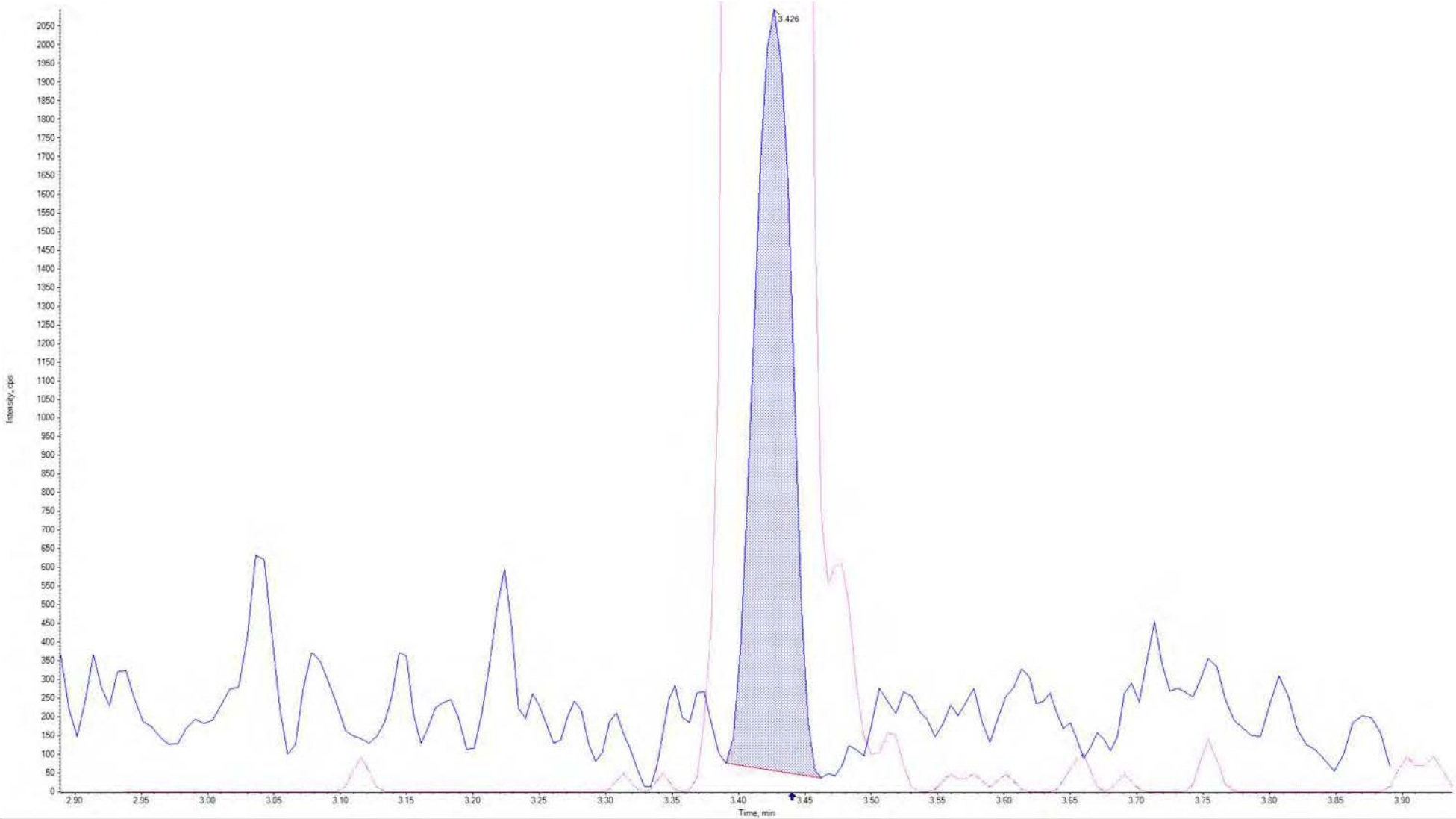
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

PFOA_2
Sample: L2512368-19 S/N:164.9 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\250311\SCI09_250311_34.wiff2_7
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

PFNA
Sample: L2512368-19 S/N:34.2 Points Across peak:15



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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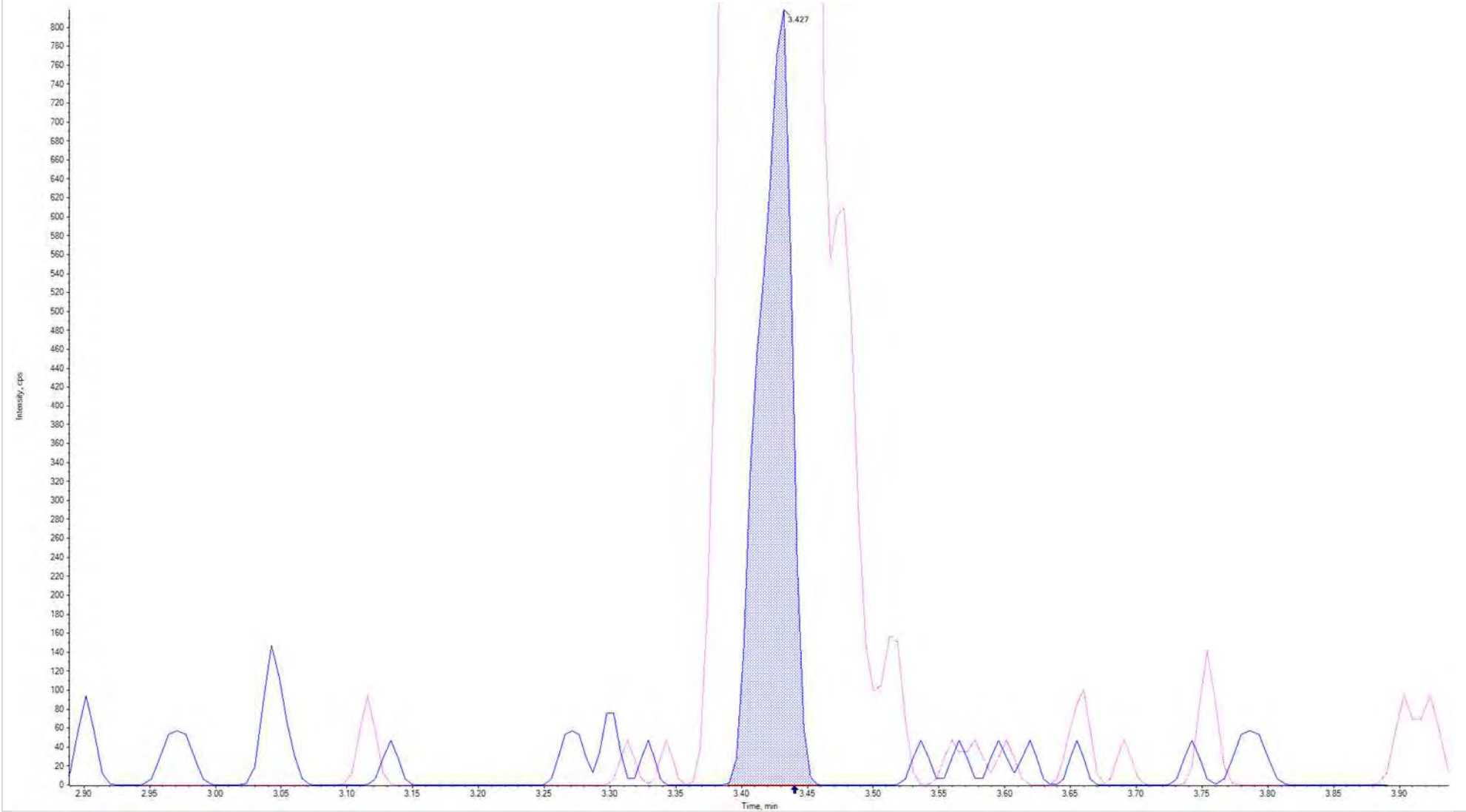
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

PFNA_2
Sample: L2512368-19 S/N:18.5 Points Across peak:17



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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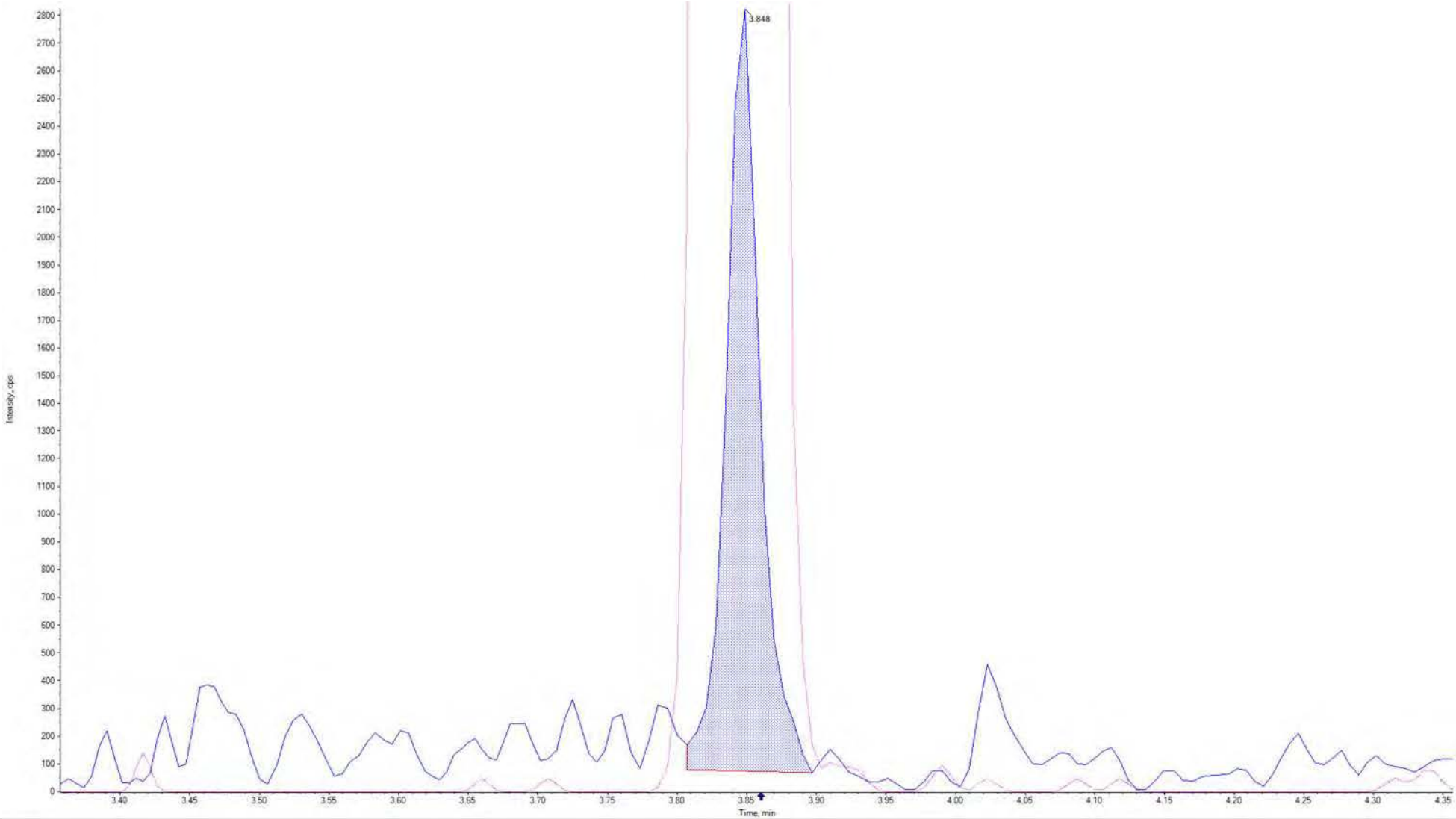
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

PFDA
Sample: L2512368-19 S/N:55.1 Points Across peak:14



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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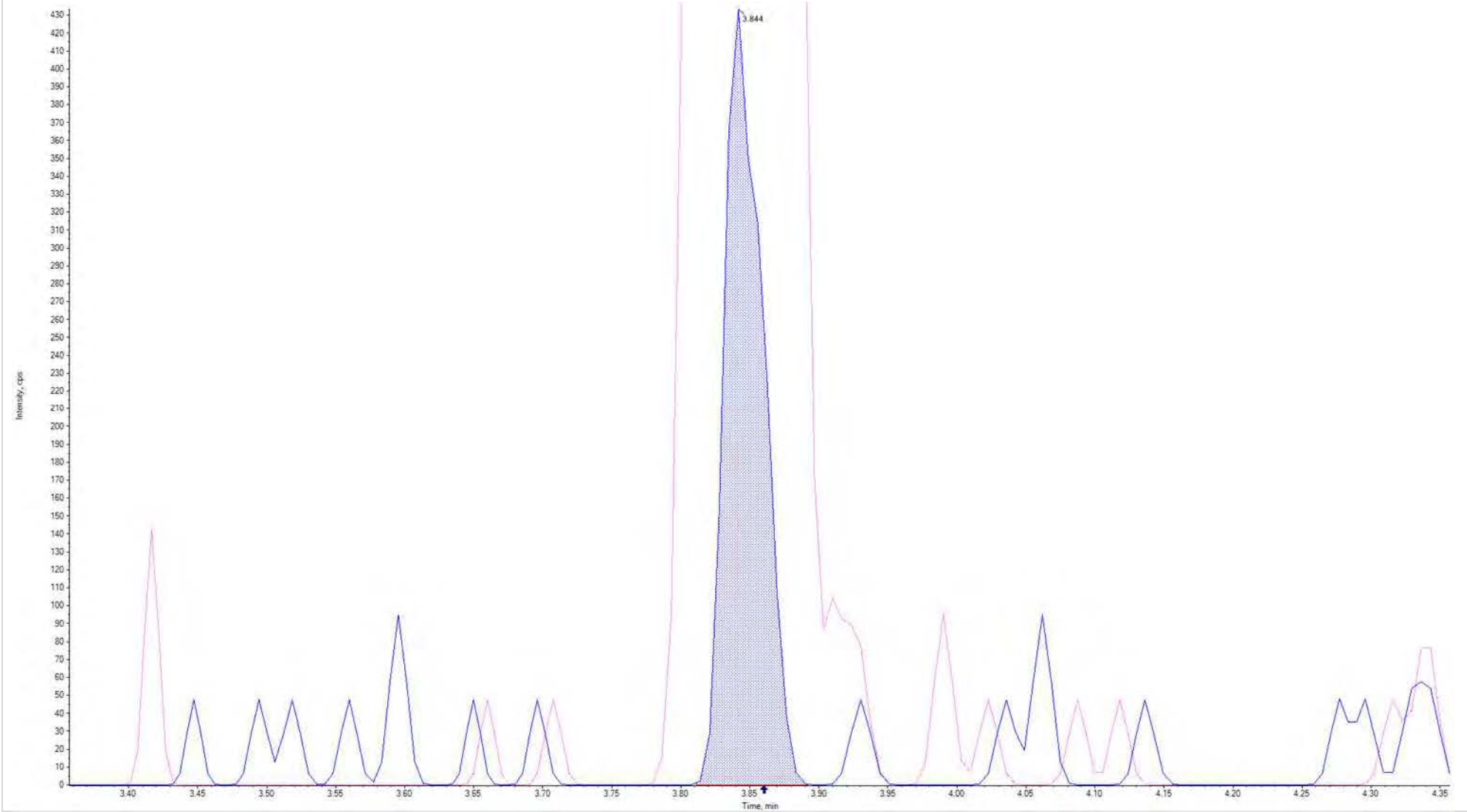
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

PFDA_2
Sample: L2512368-19 S/N:8.7 Points Across peak:14



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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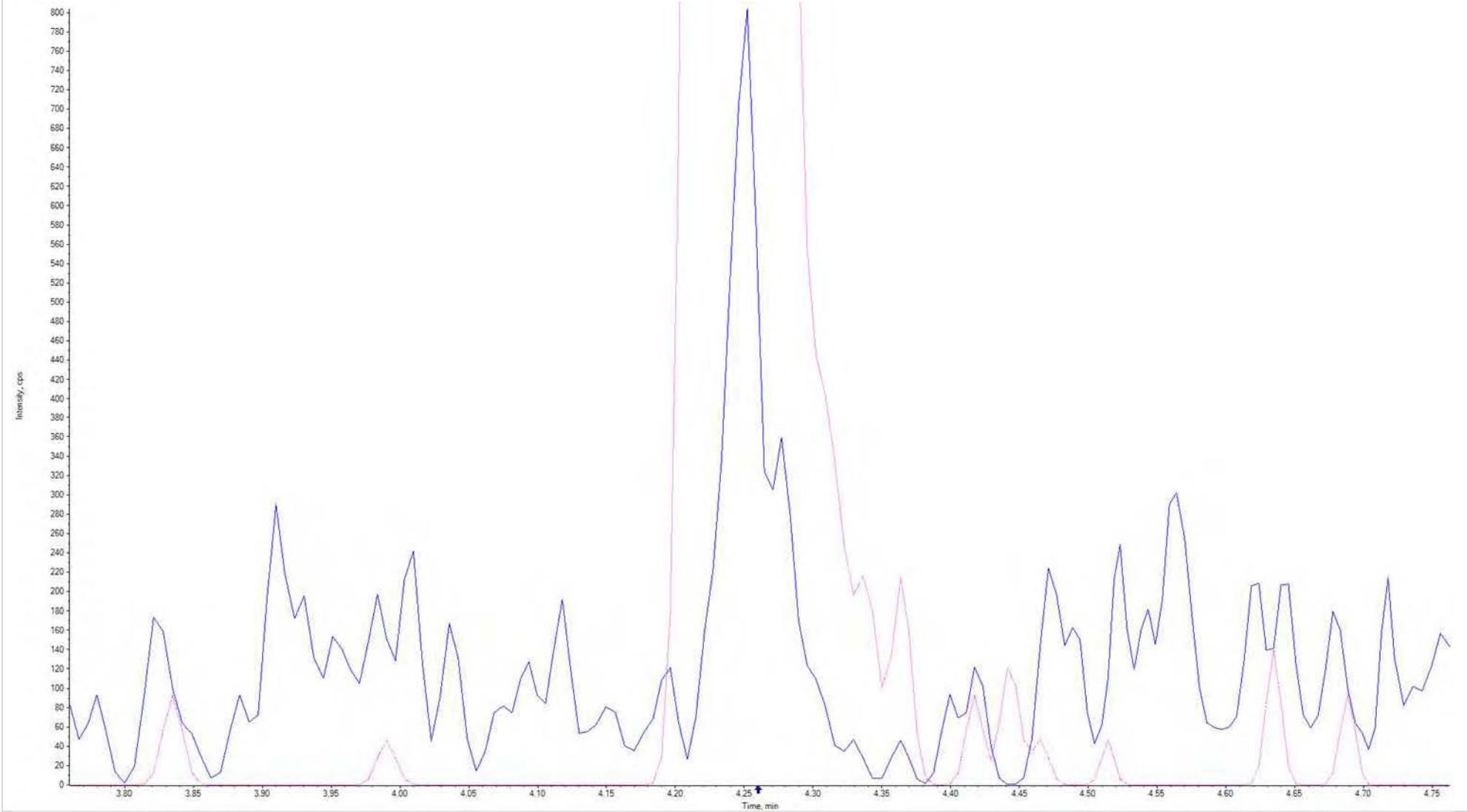
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

PFUnA
Sample: L2512368-19 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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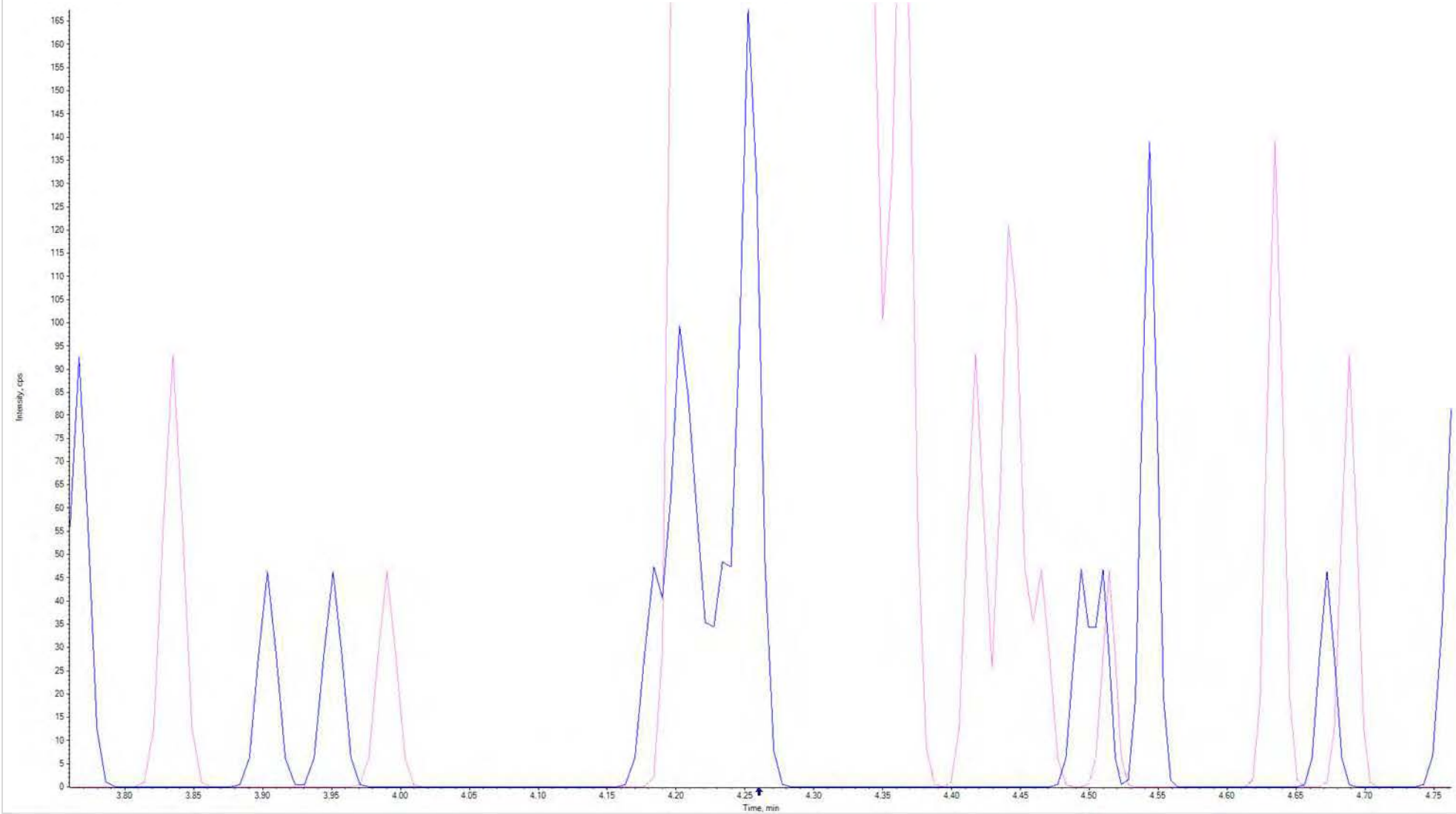
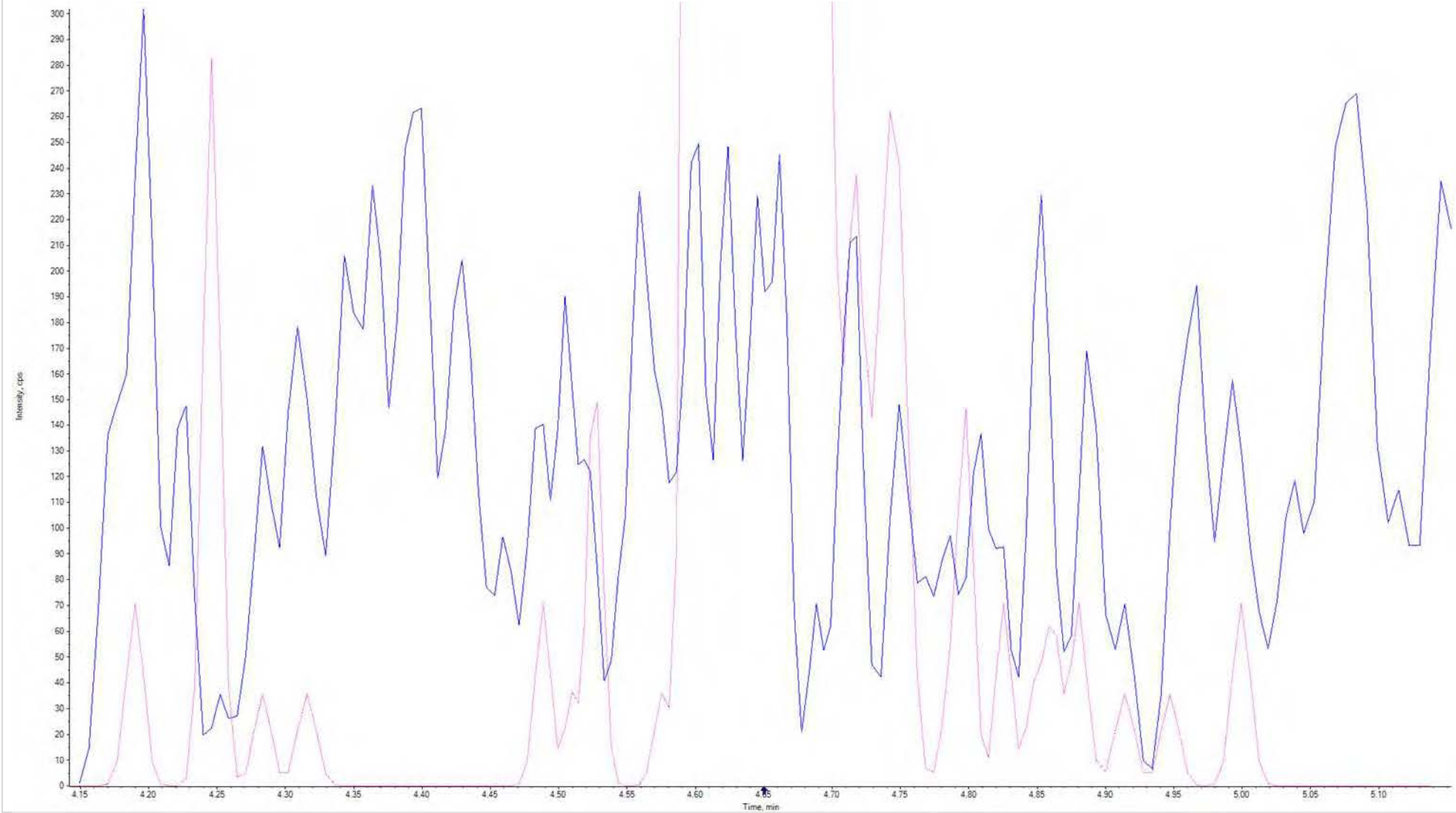
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

PFUnA_2
Sample: L2512368-19 S/N:N/A Points Across peak:N/A

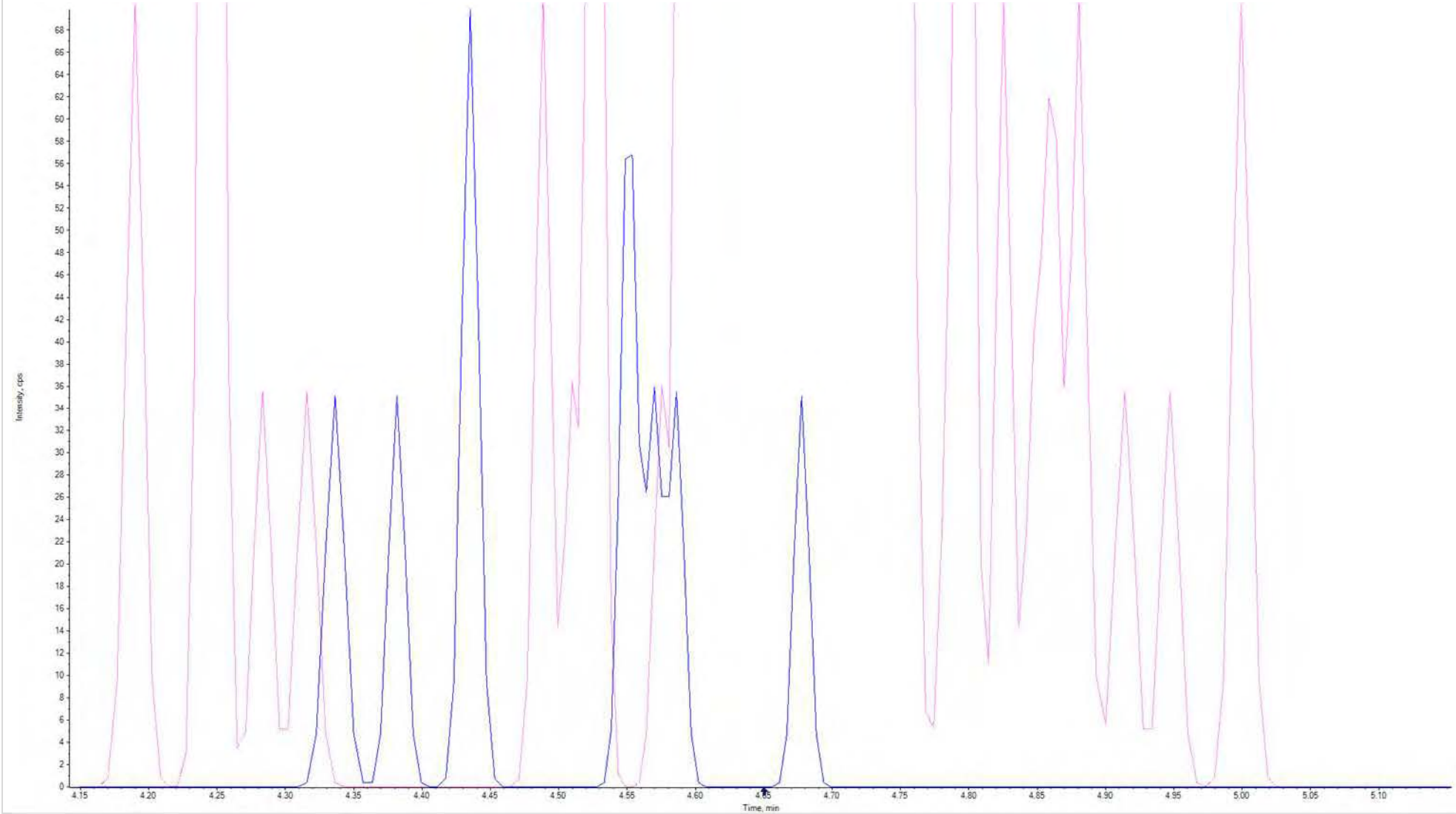


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_34.wiff2_7
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

PFDoA
Sample: L2512368-19 S/N:N/A Points Across peak:N/A



PFDoA_2
Sample: L2512368-19 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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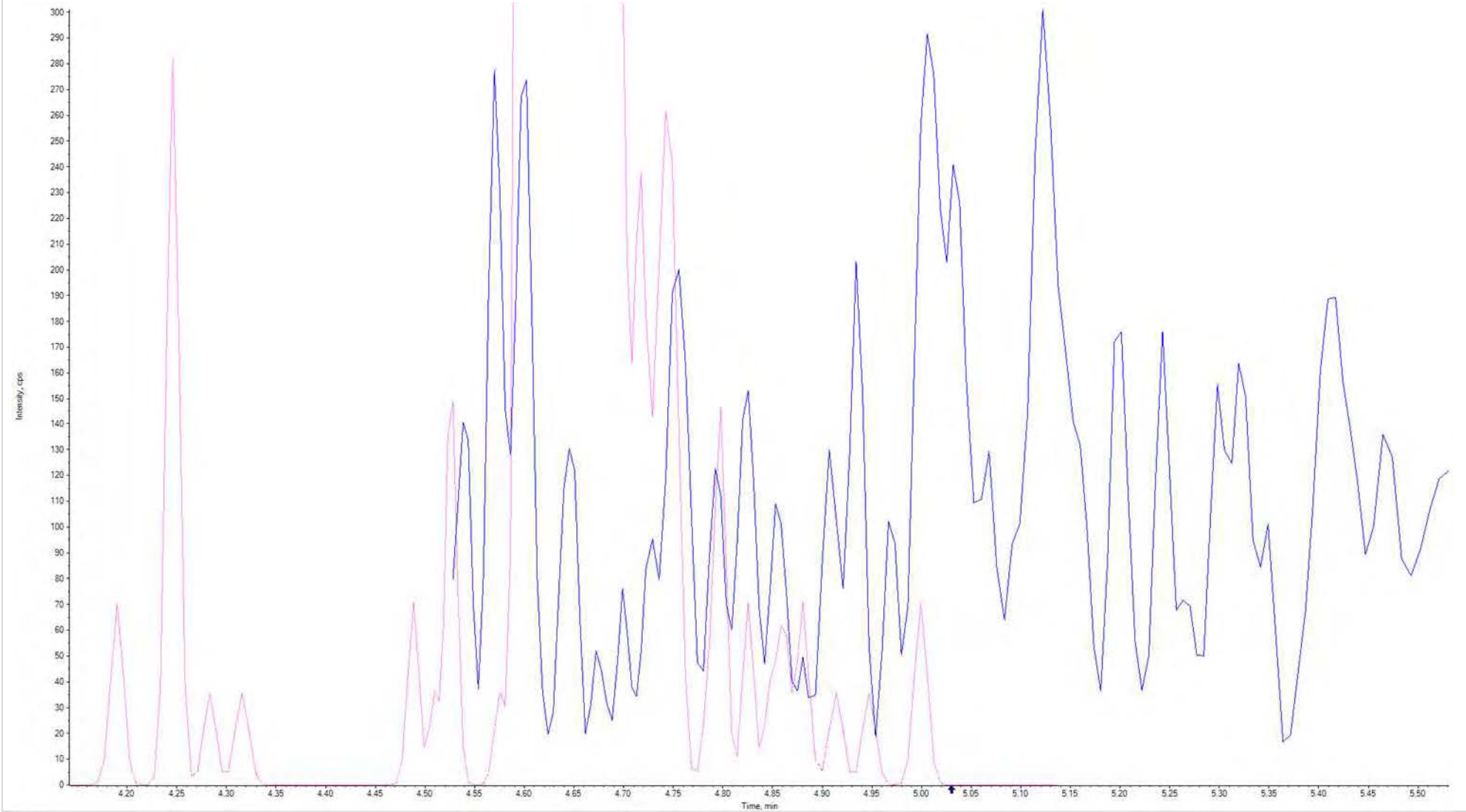
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

PFTrDA
Sample: L2512368-19 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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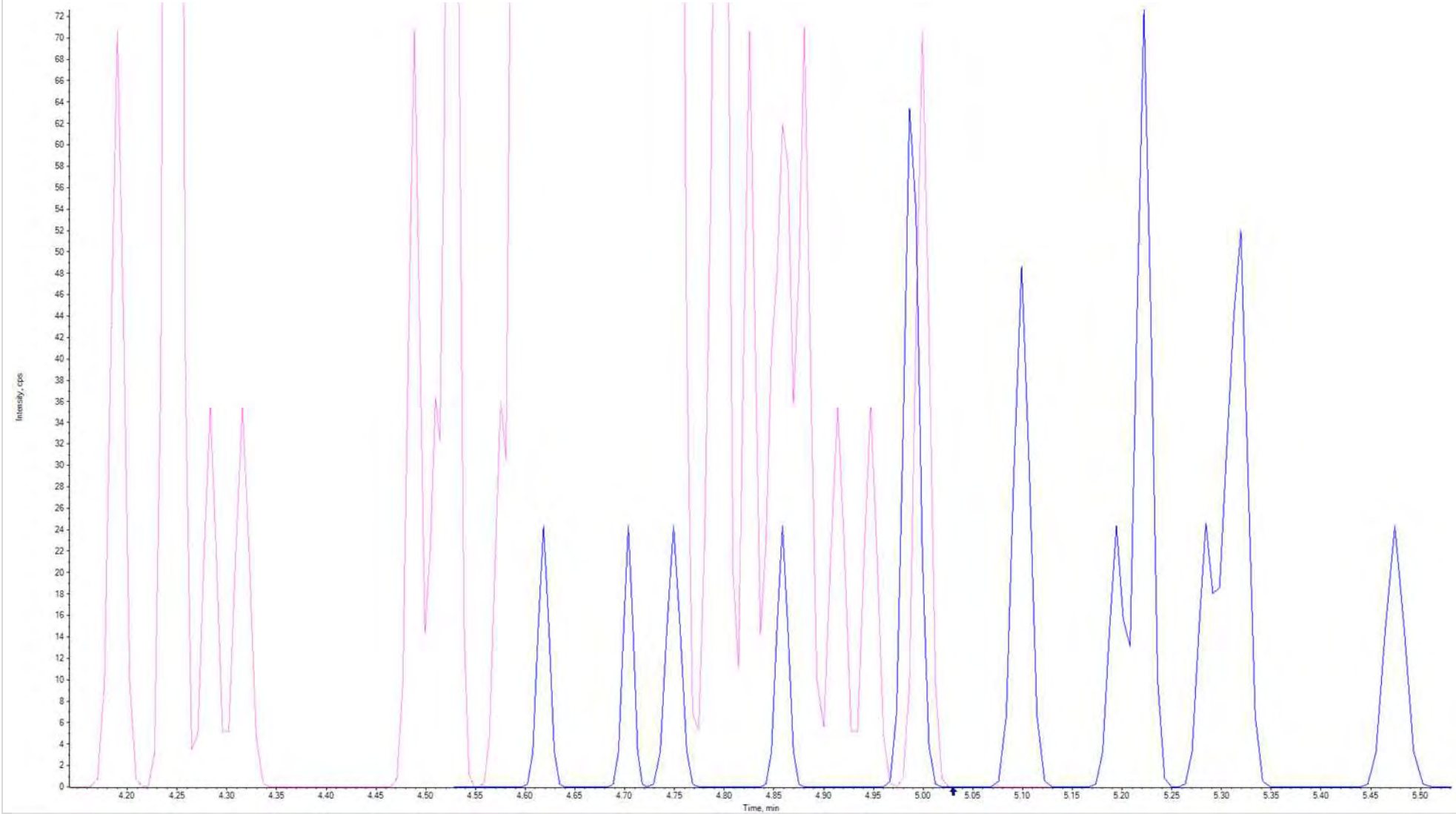
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

PFTrDA_2
Sample: L2512368-19 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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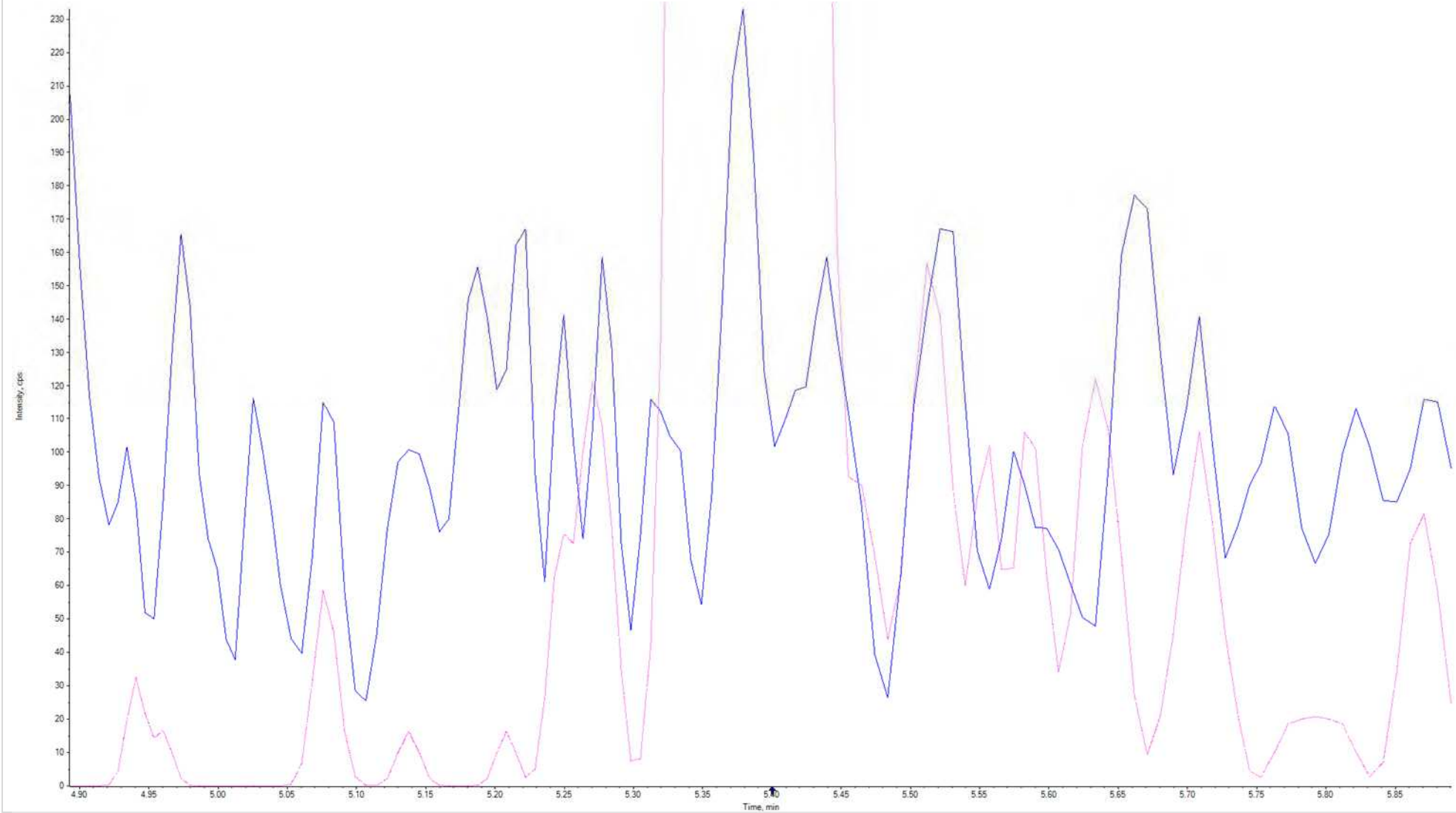
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

PFTeDA
Sample: L2512368-19 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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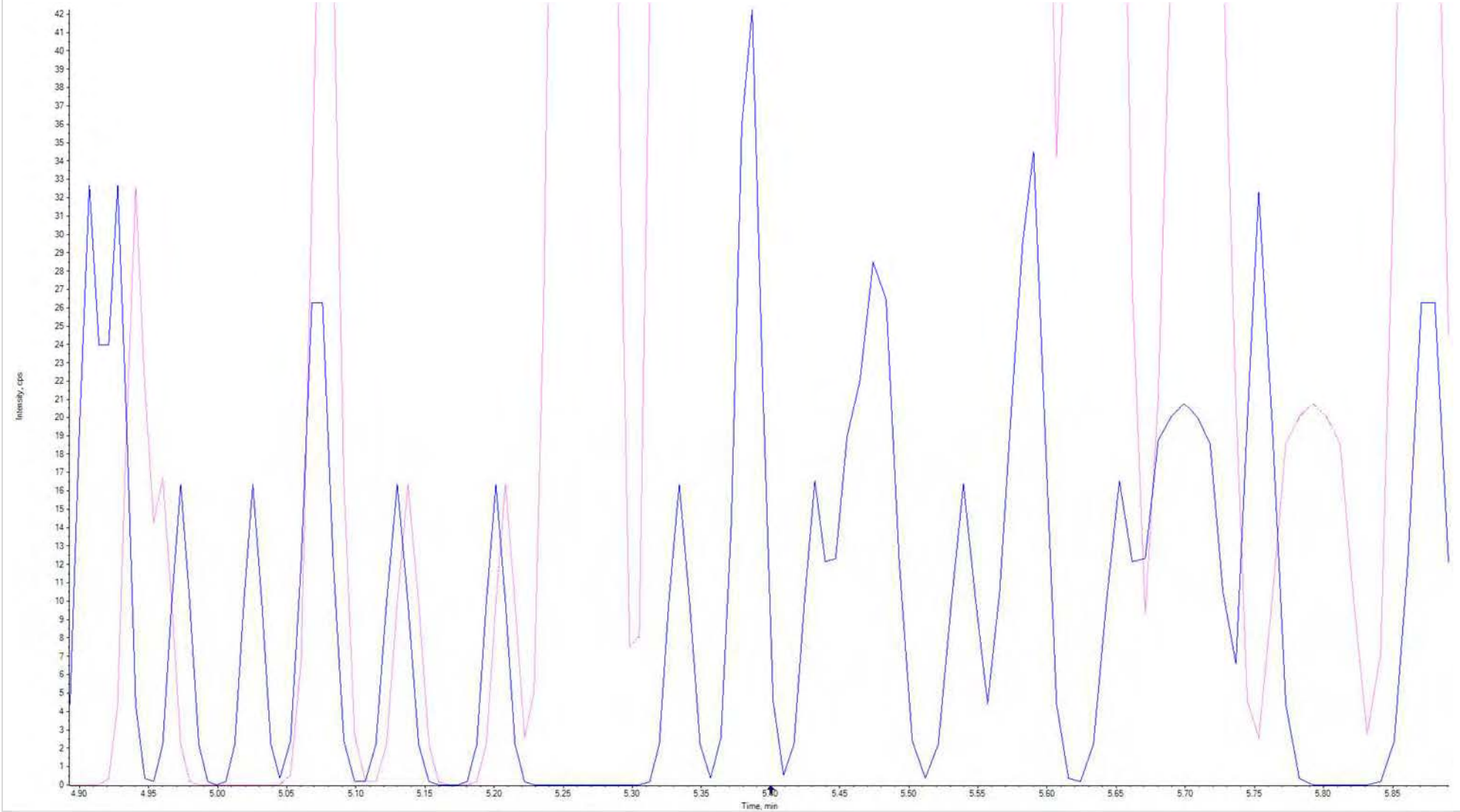
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

PFTeDA_2
Sample: L2512368-19 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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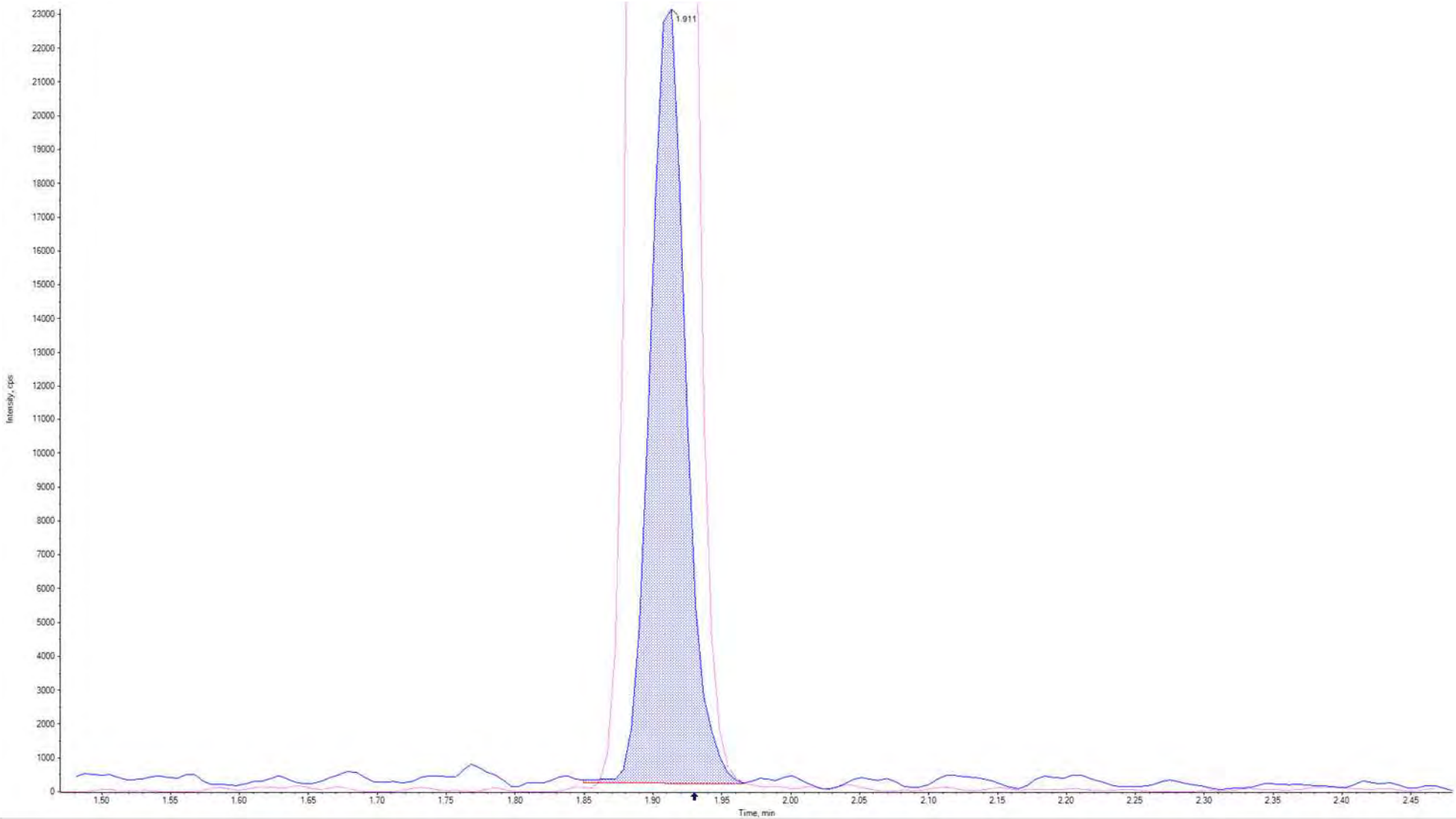
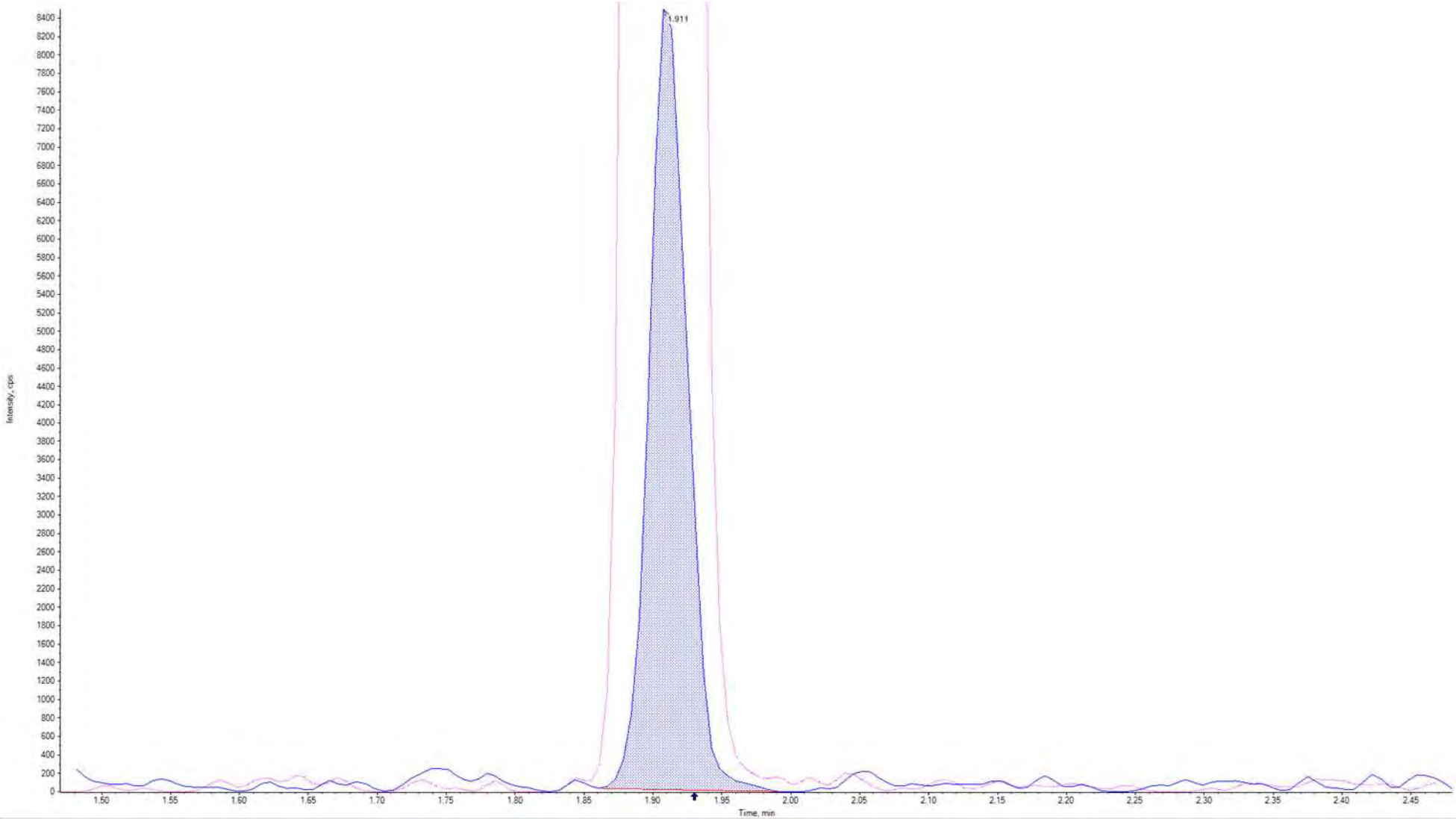
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

PFBS
Sample: L2512368-19 S/N:574.0 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\250311\SCI09_250311_34.wiff2_7
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

PFBS_2
Sample: L2512368-19 S/N:212.4 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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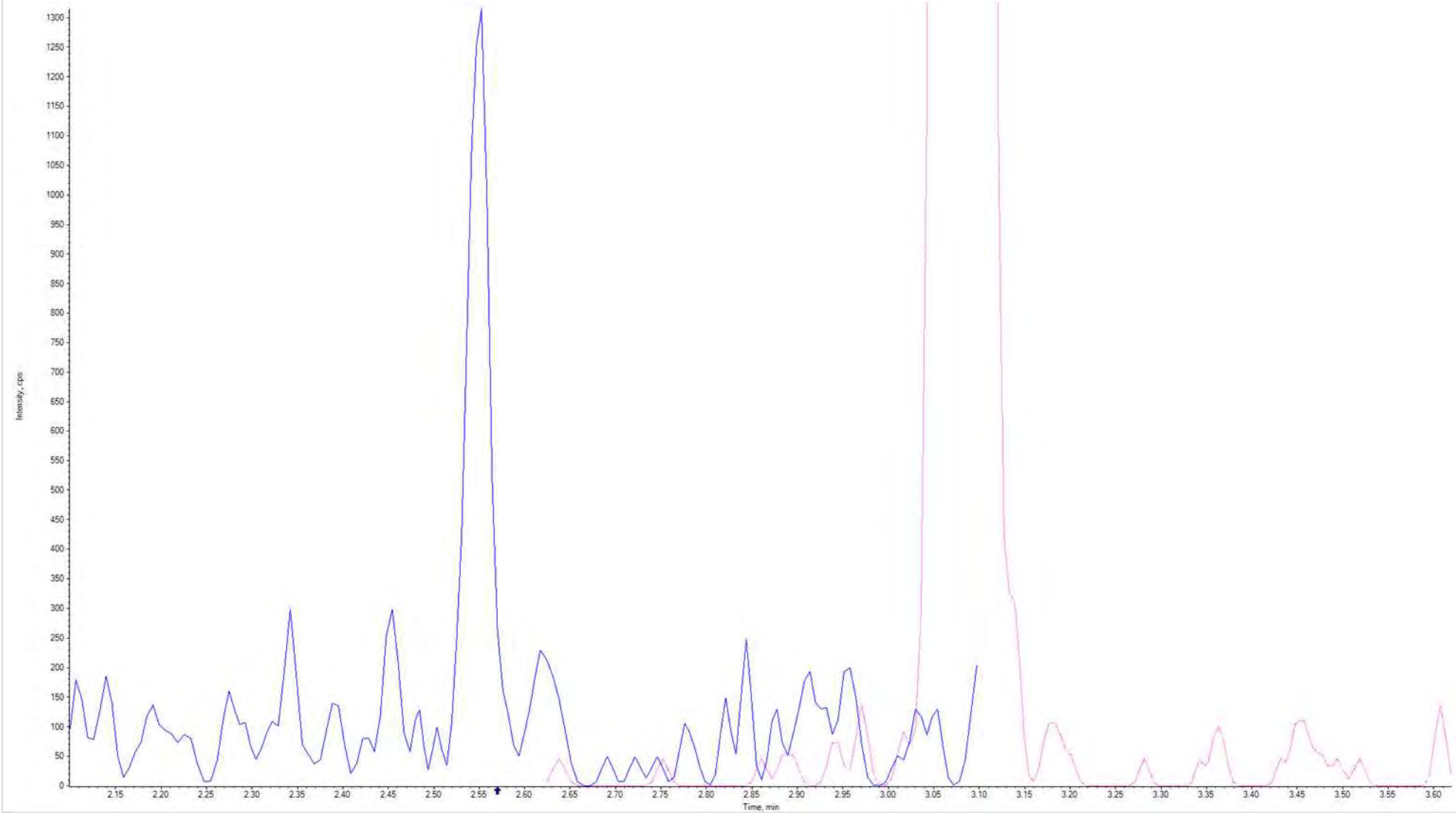
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

PFPeS
Sample: L2512368-19 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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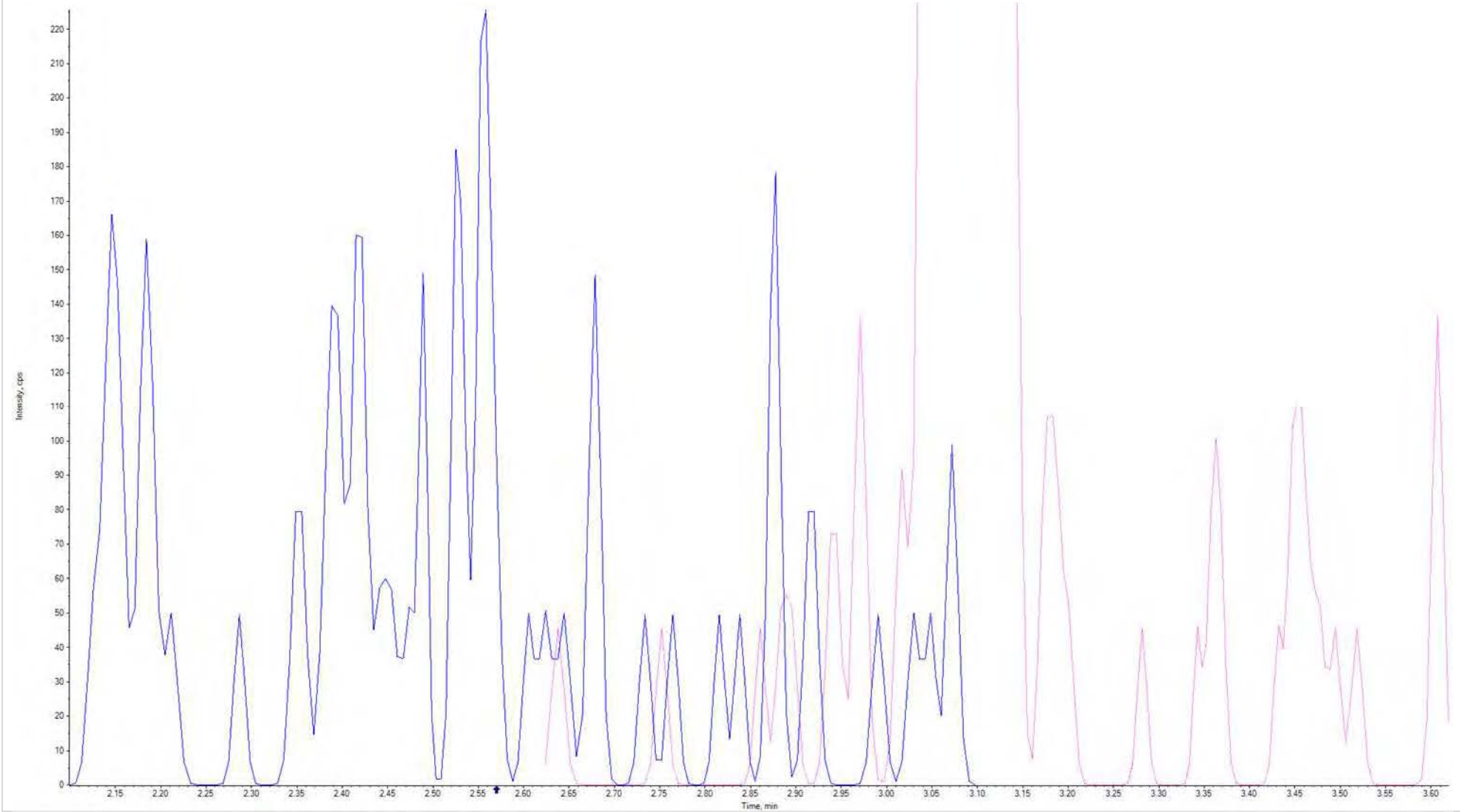
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

PFPeS_2
Sample: L2512368-19 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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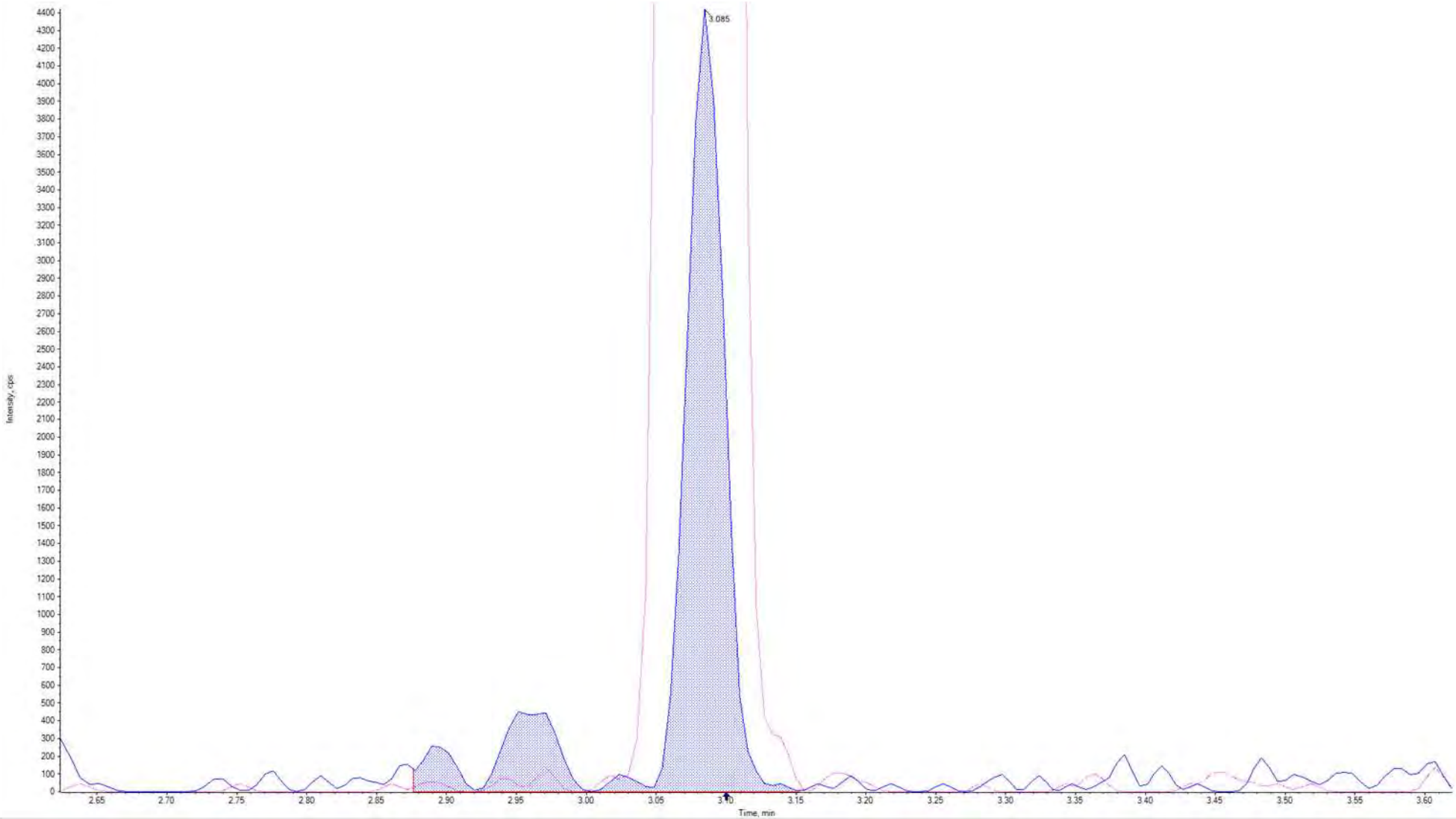
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

PFHxS
Sample: L2512368-19 S/N:99.7 Points Across peak:47



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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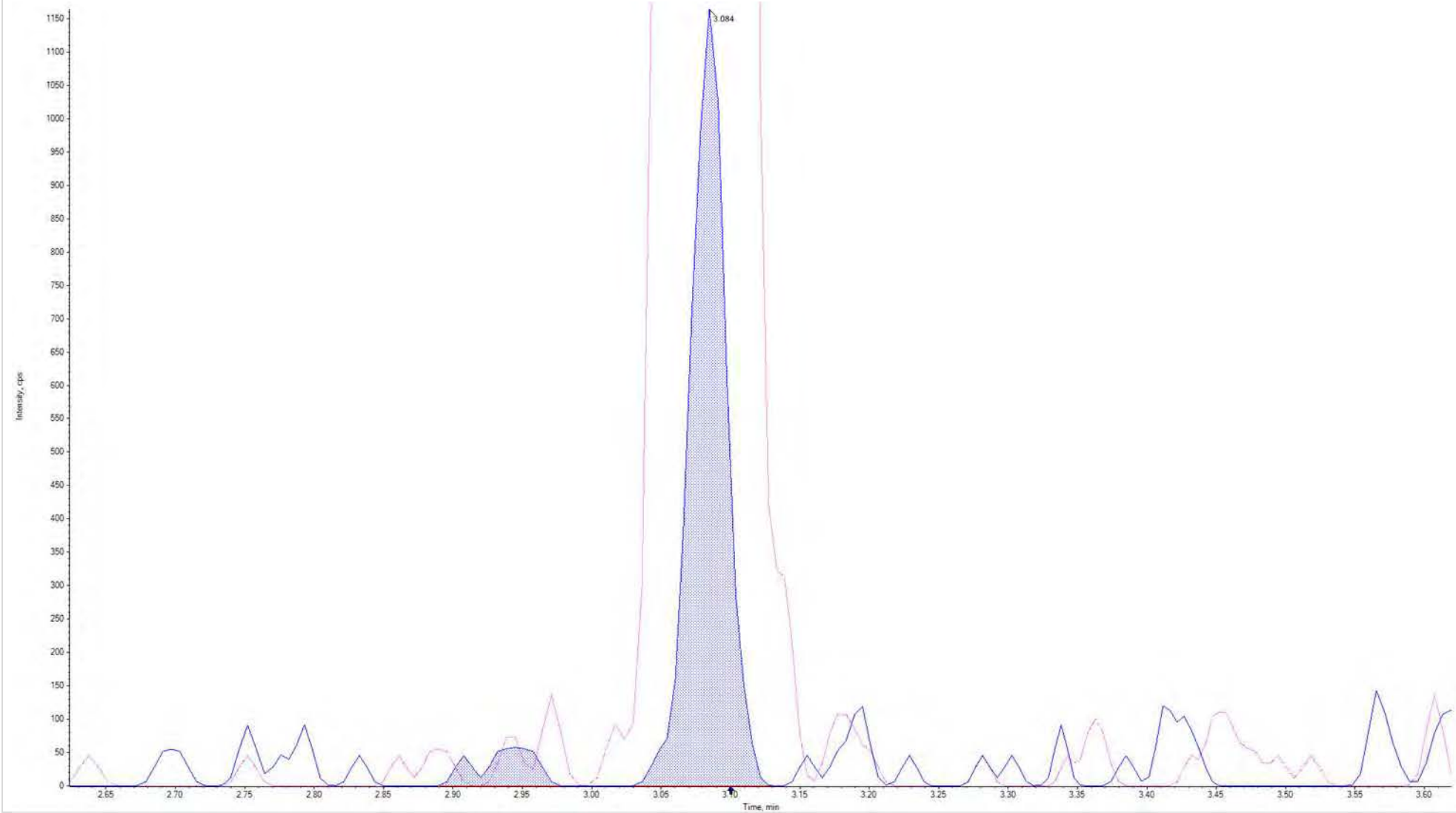
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

PFHxS_2
Sample: L2512368-19 S/N:26.3 Points Across peak:40



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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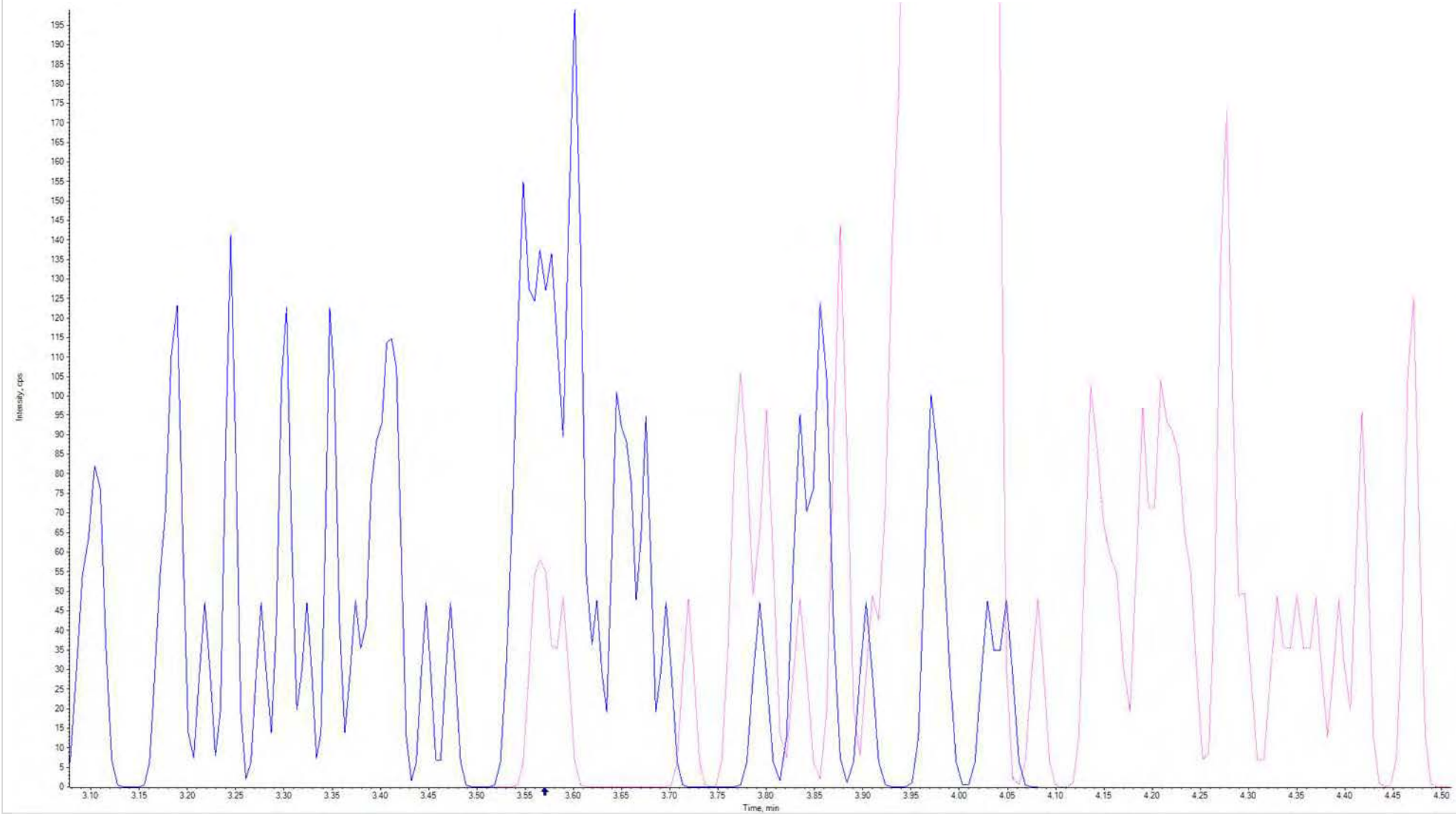
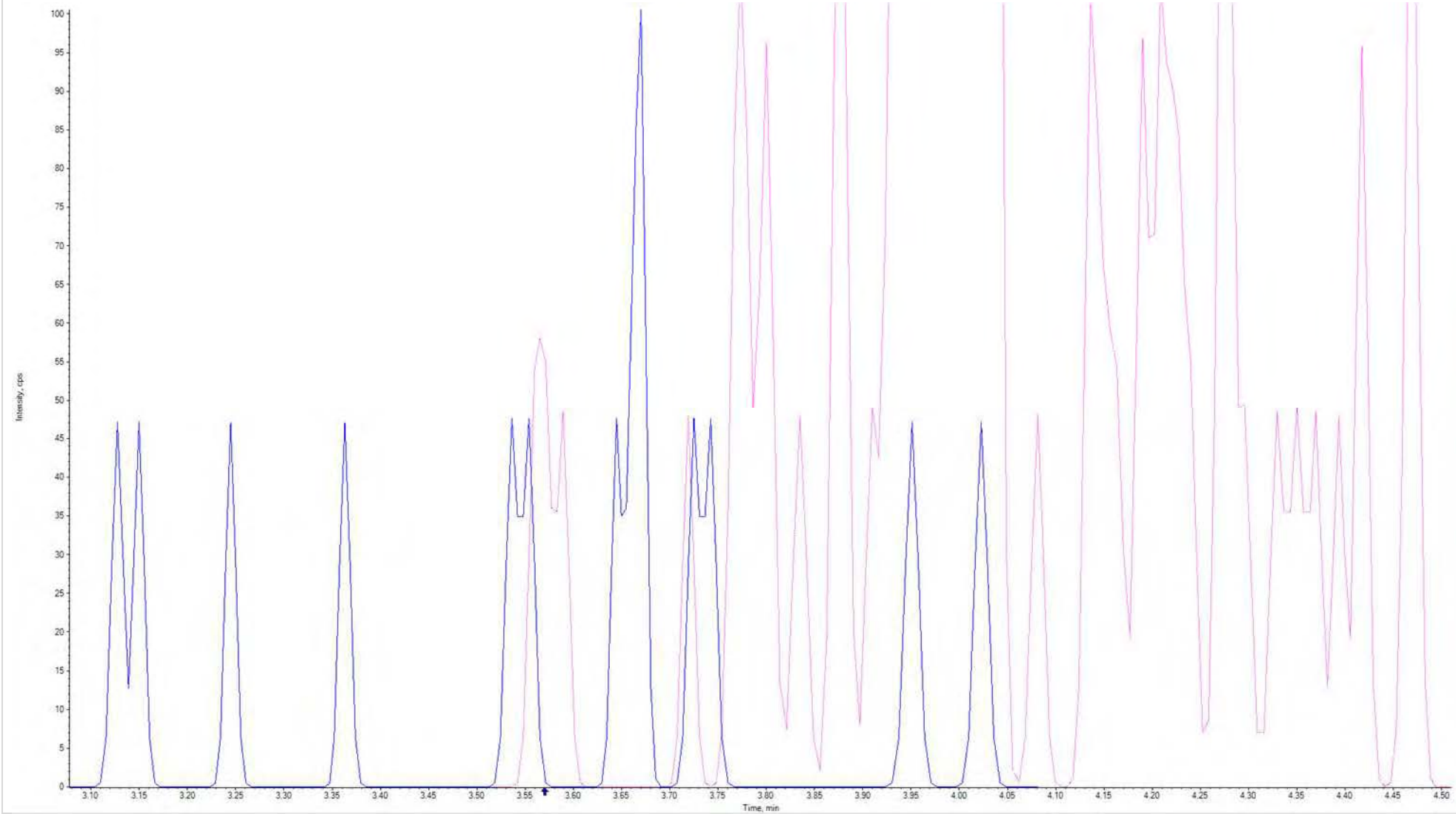
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

PFHpS
Sample: L2512368-19 S/N:N/A Points Across peak:N/A



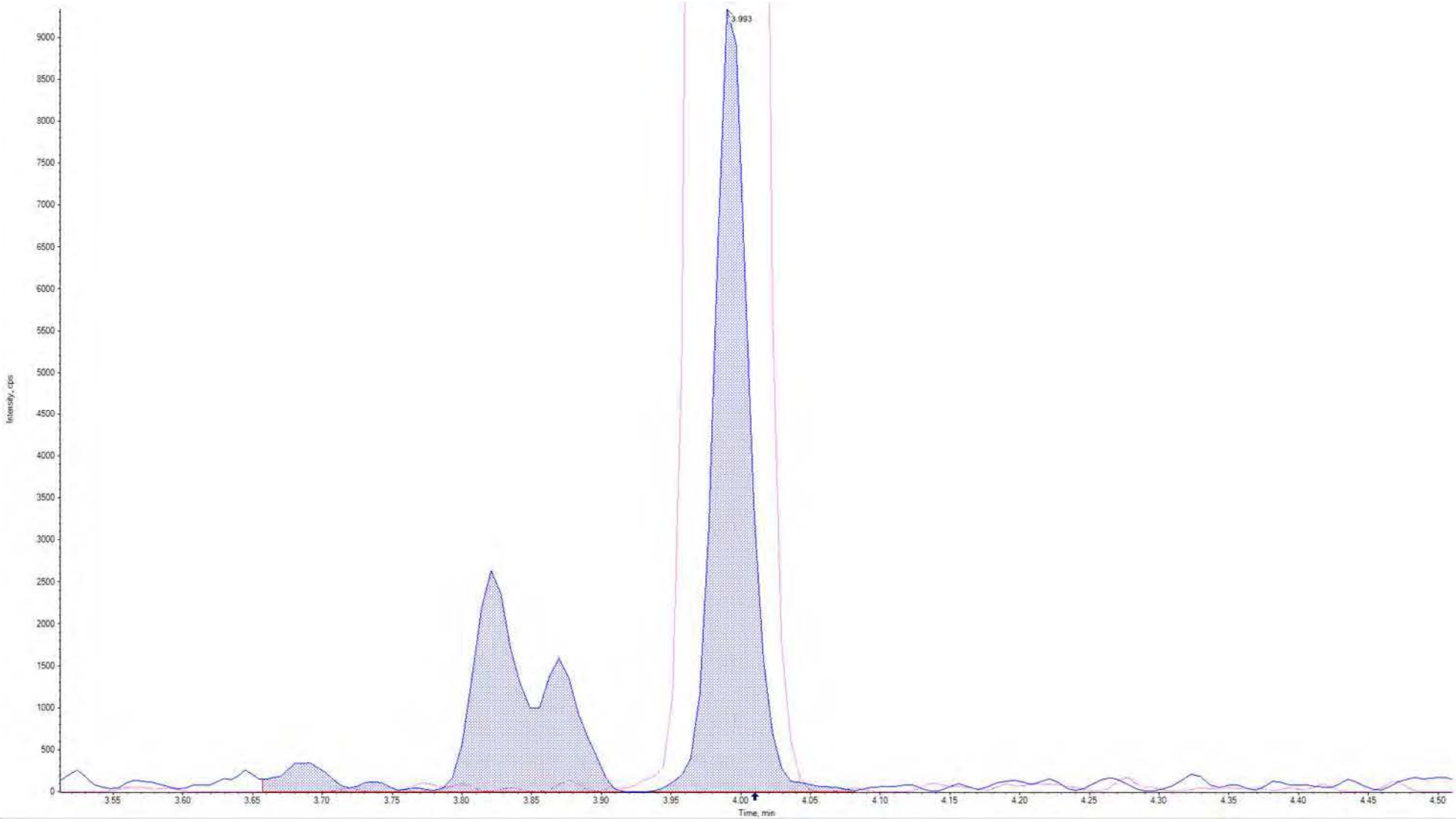
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_34.wiff2_7
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

PFHpS_2
Sample: L2512368-19 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\250311\SCI09_250311_34.wiff2_7
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

PFOS
Sample: L2512368-19 S/N:147.4 Points Across peak:69



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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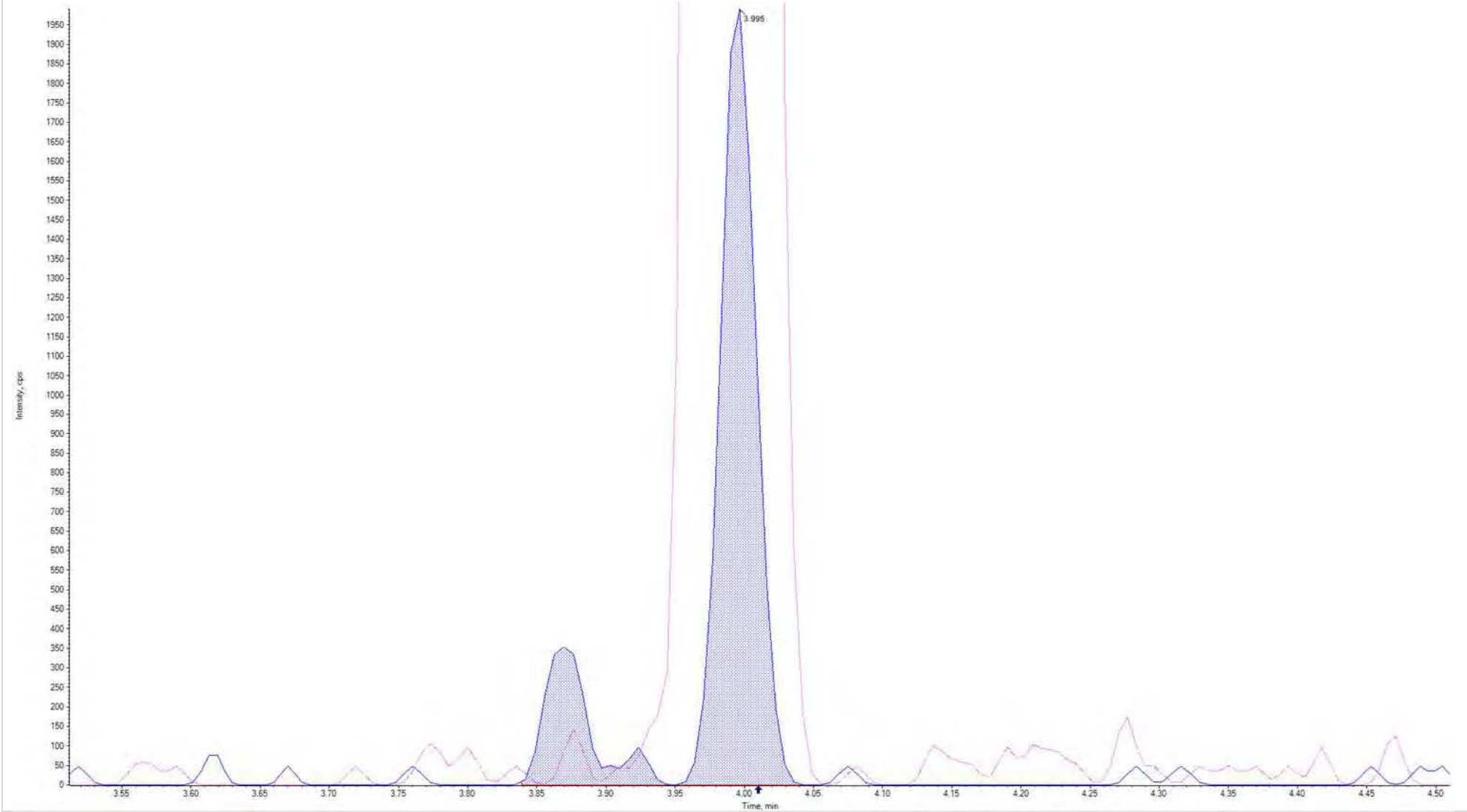
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

PFOS_2
Sample: L2512368-19 S/N:39.9 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\250311\SCI09_250311_34.wiff2_7
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

PFNS
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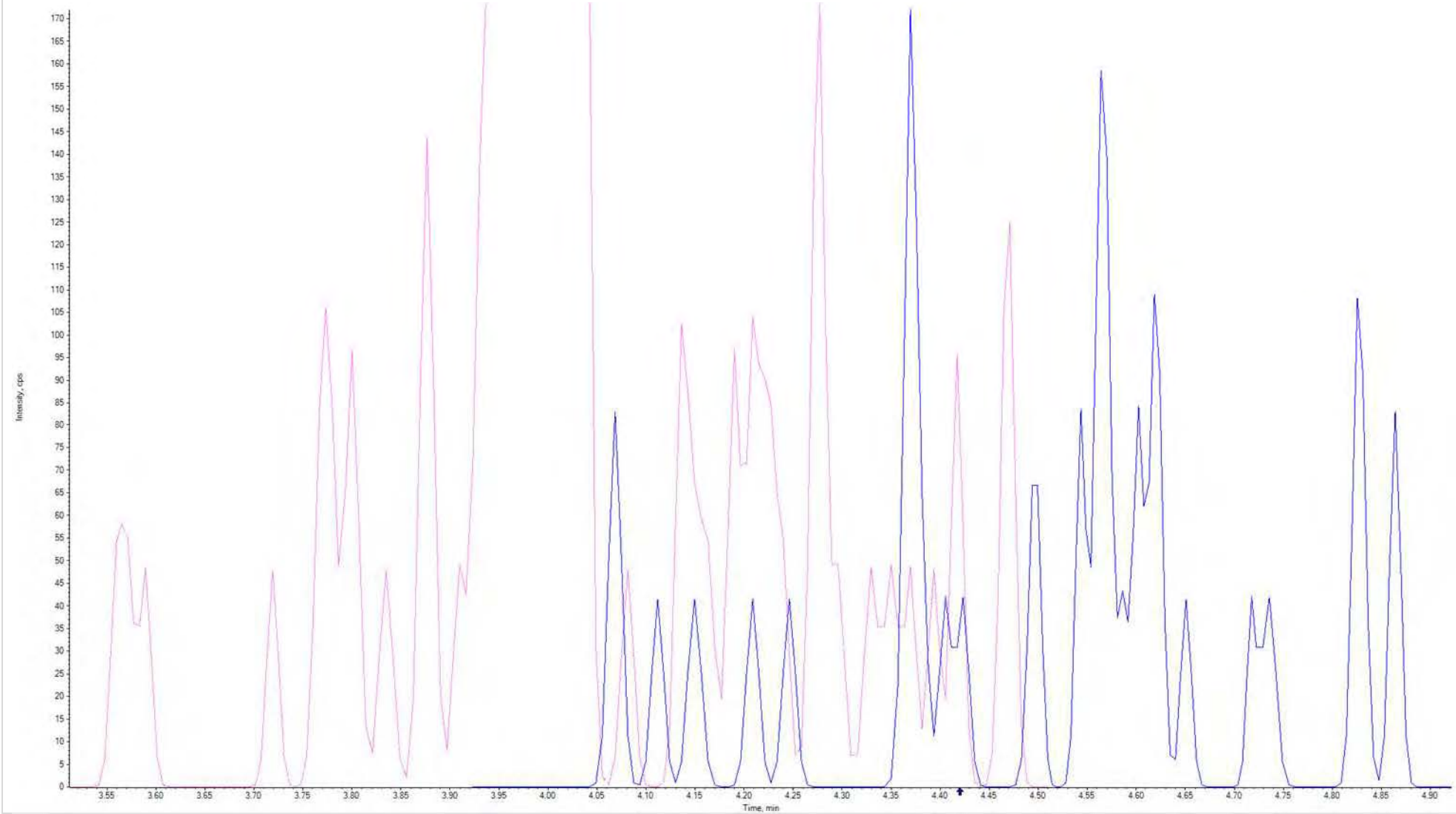

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Alpha Analytical LLC
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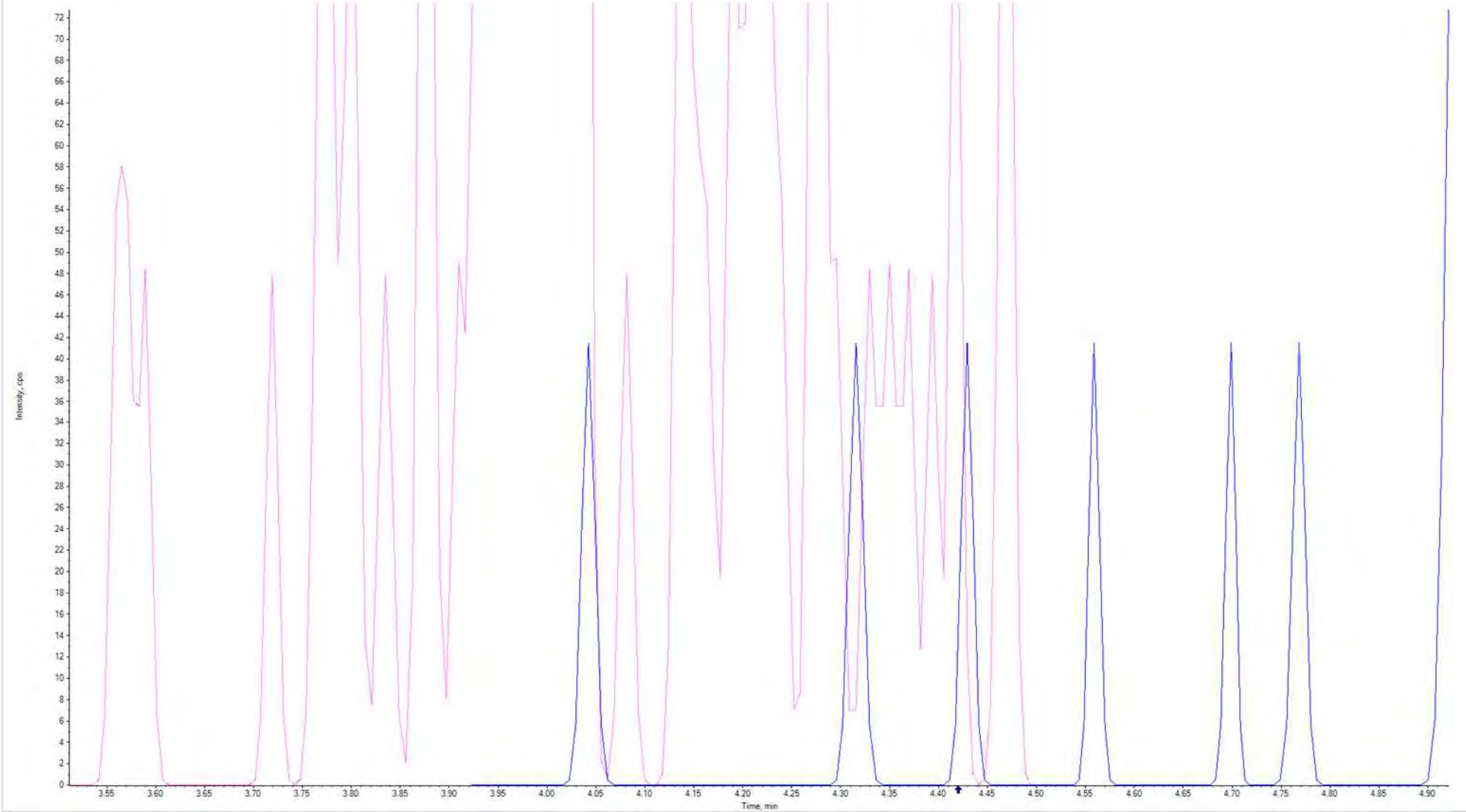
PFNS_2
Sample: L2512368-19 S/N:N/A Points Across peak:N/A



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Alpha Analytical LLC
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PFDS
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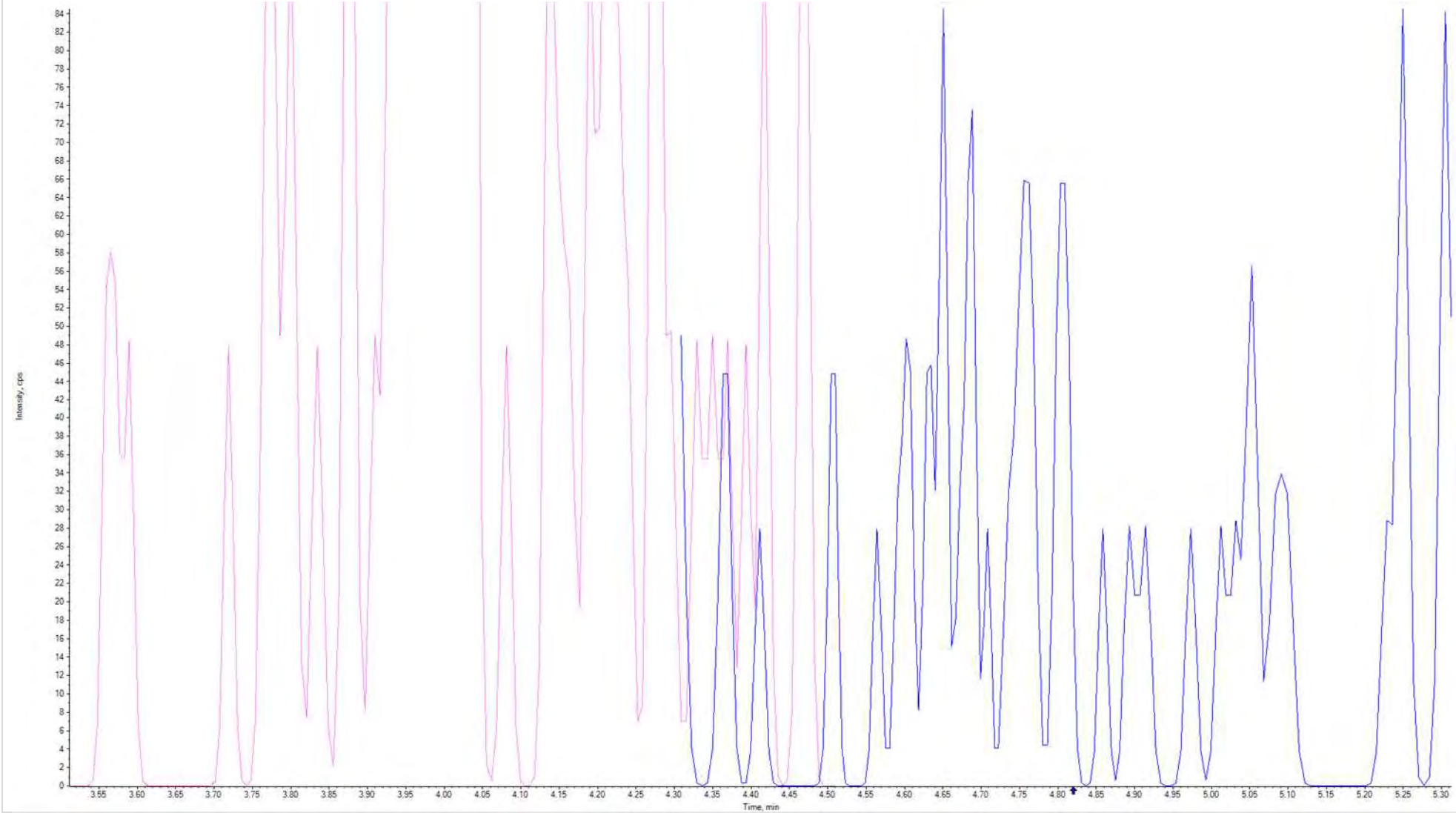

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PFDS_2
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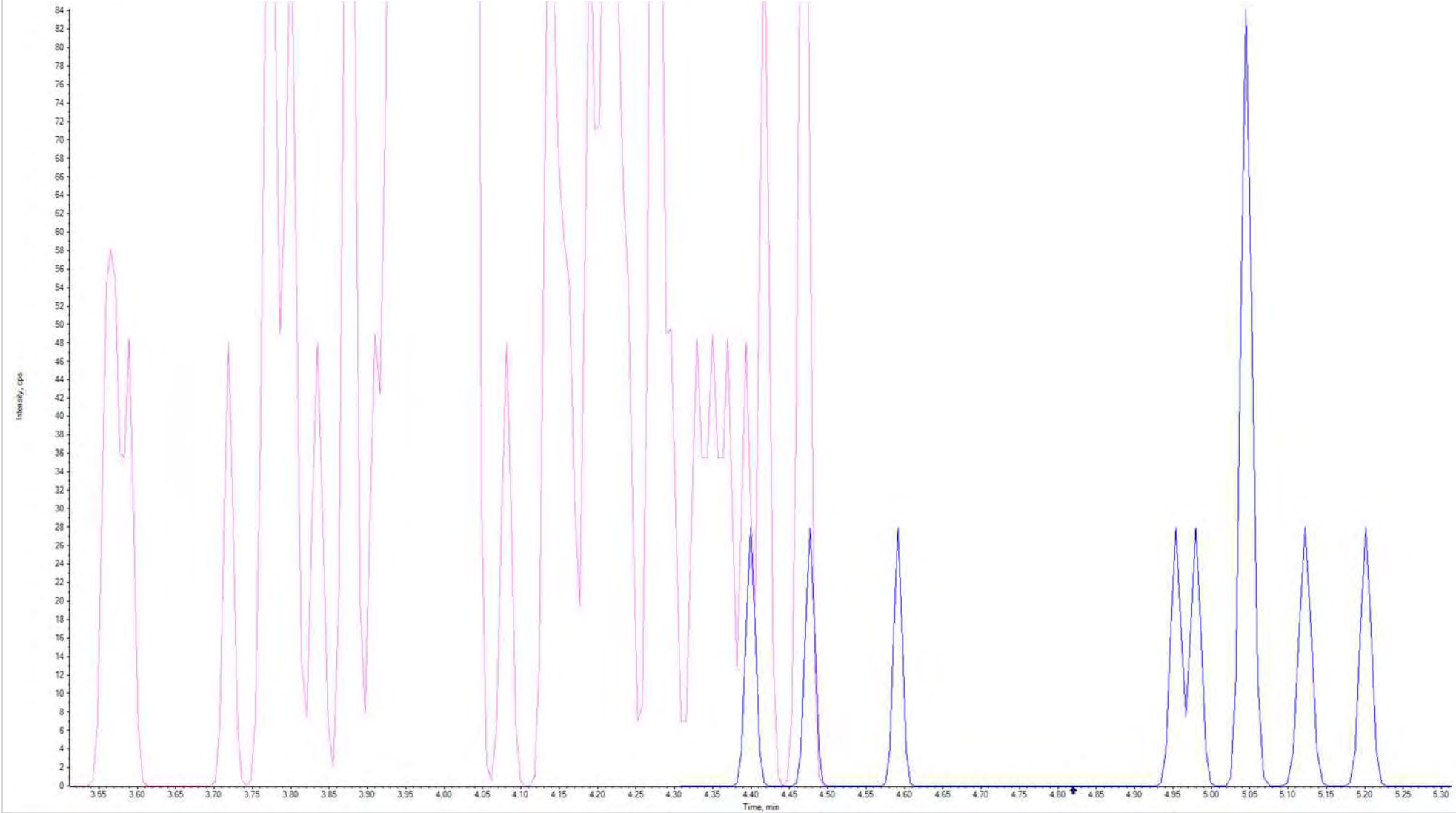

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Alpha Analytical LLC
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PFDoS
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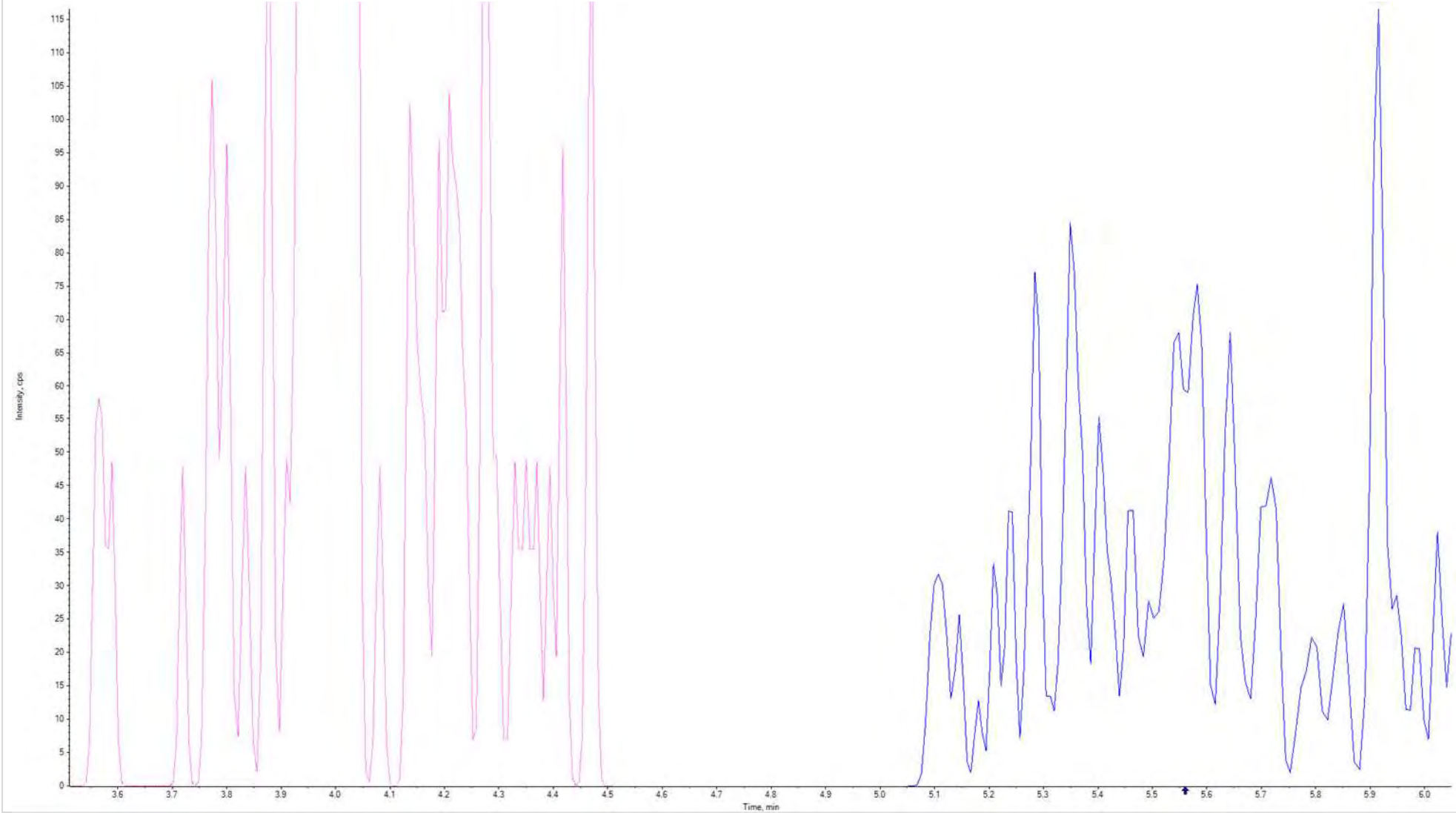

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Alpha Analytical LLC
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PFDoS_2
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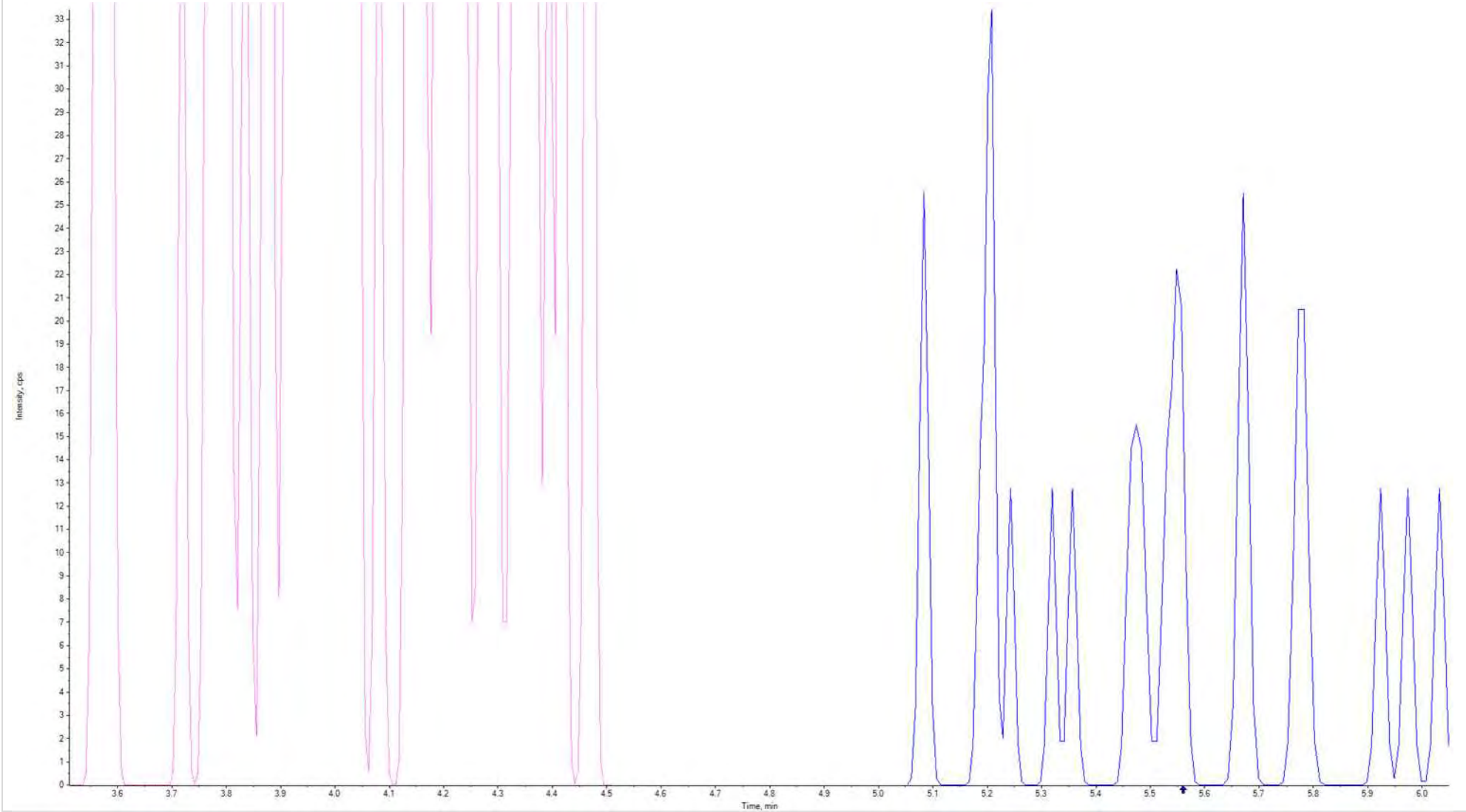

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4:2FTS
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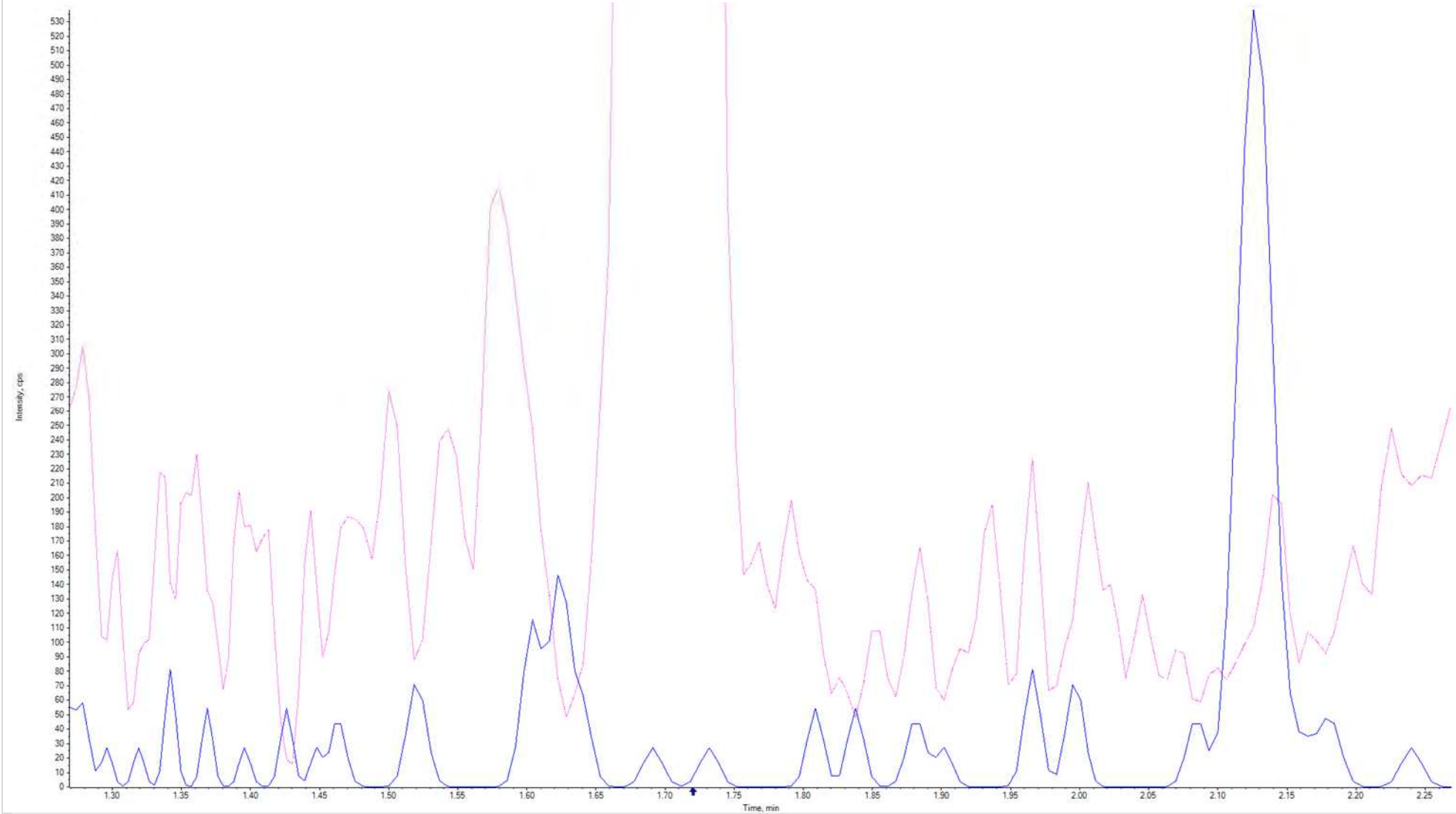

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4:2FTS_2
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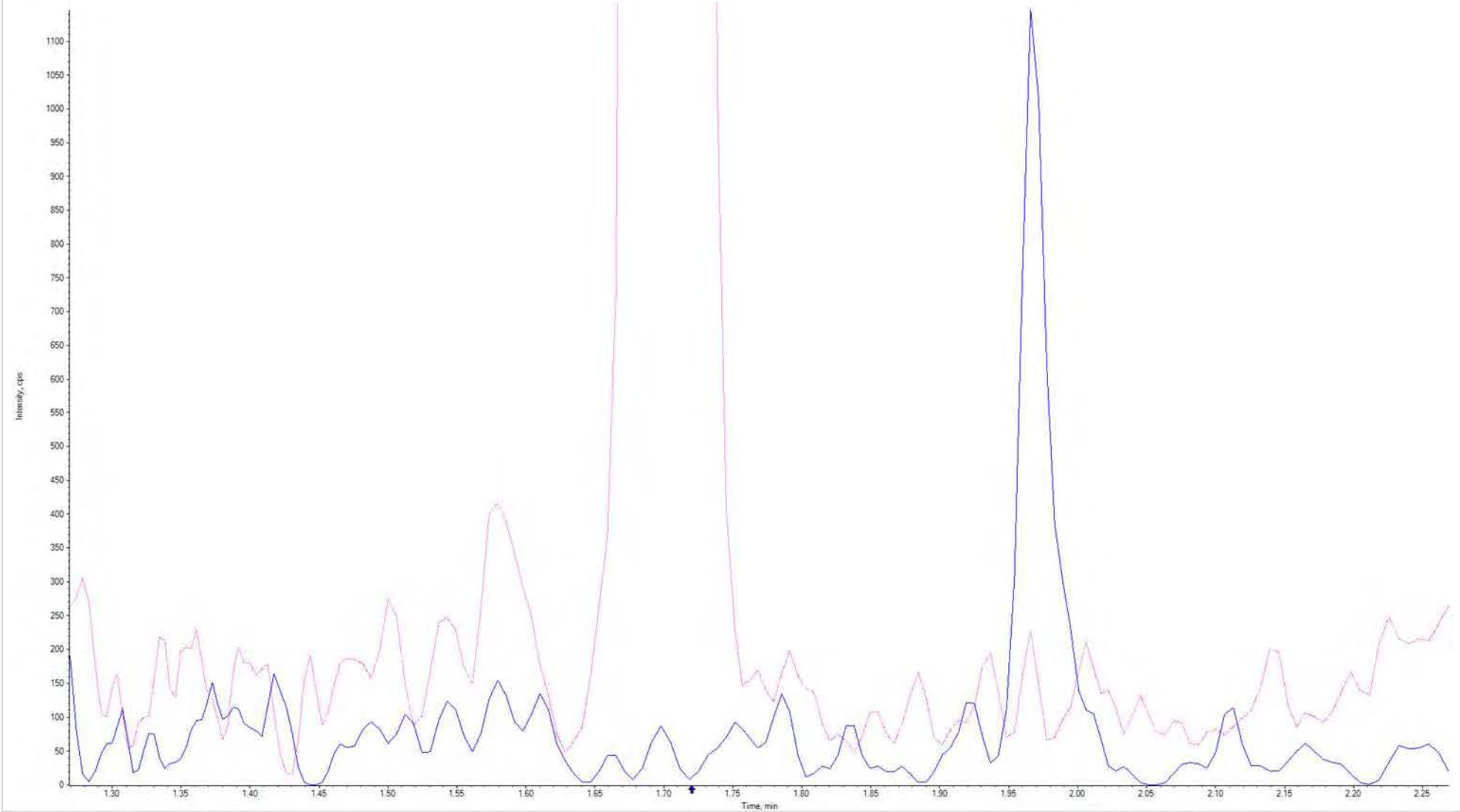

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6:2FTS
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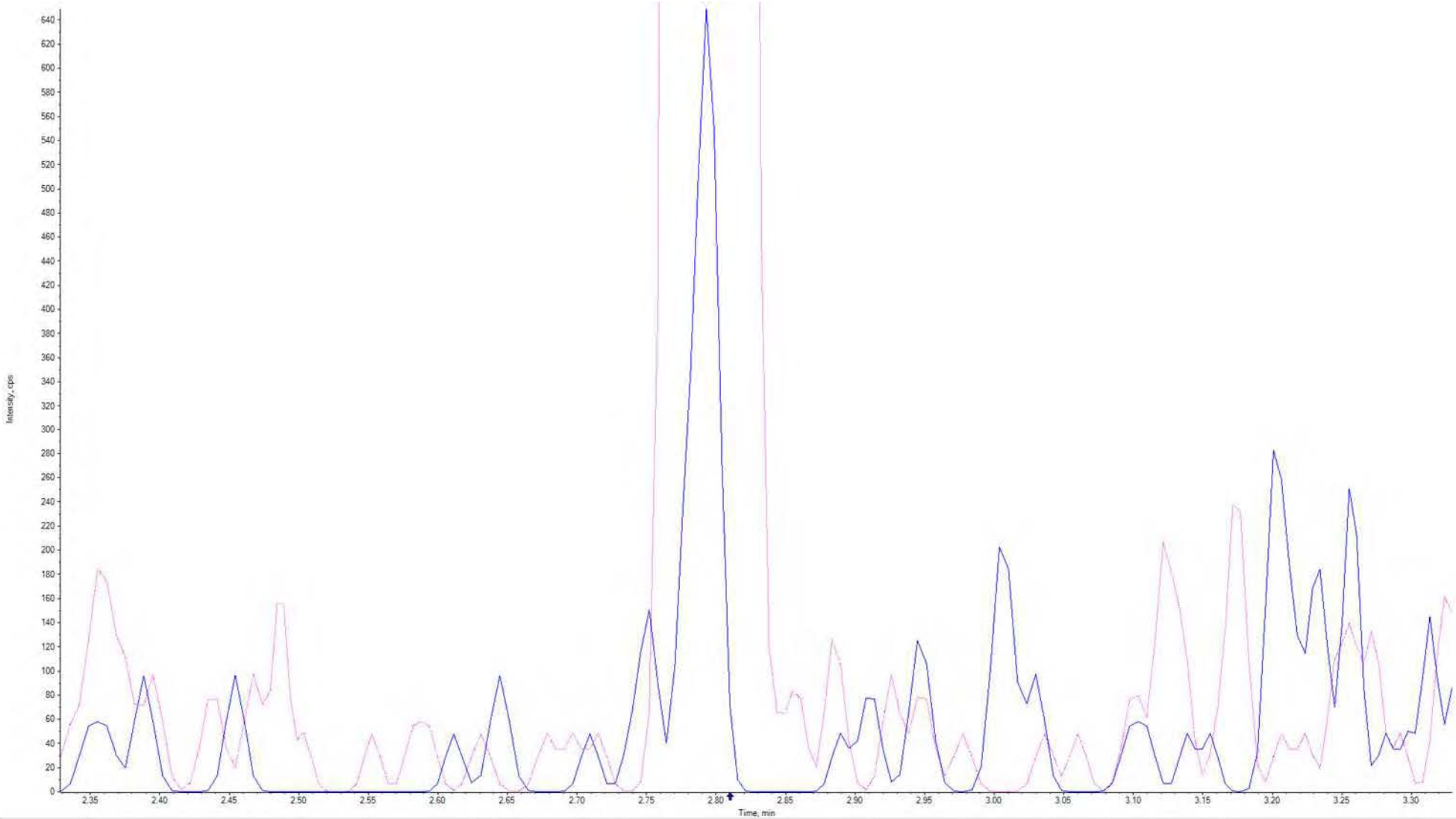

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6:2FTS_2
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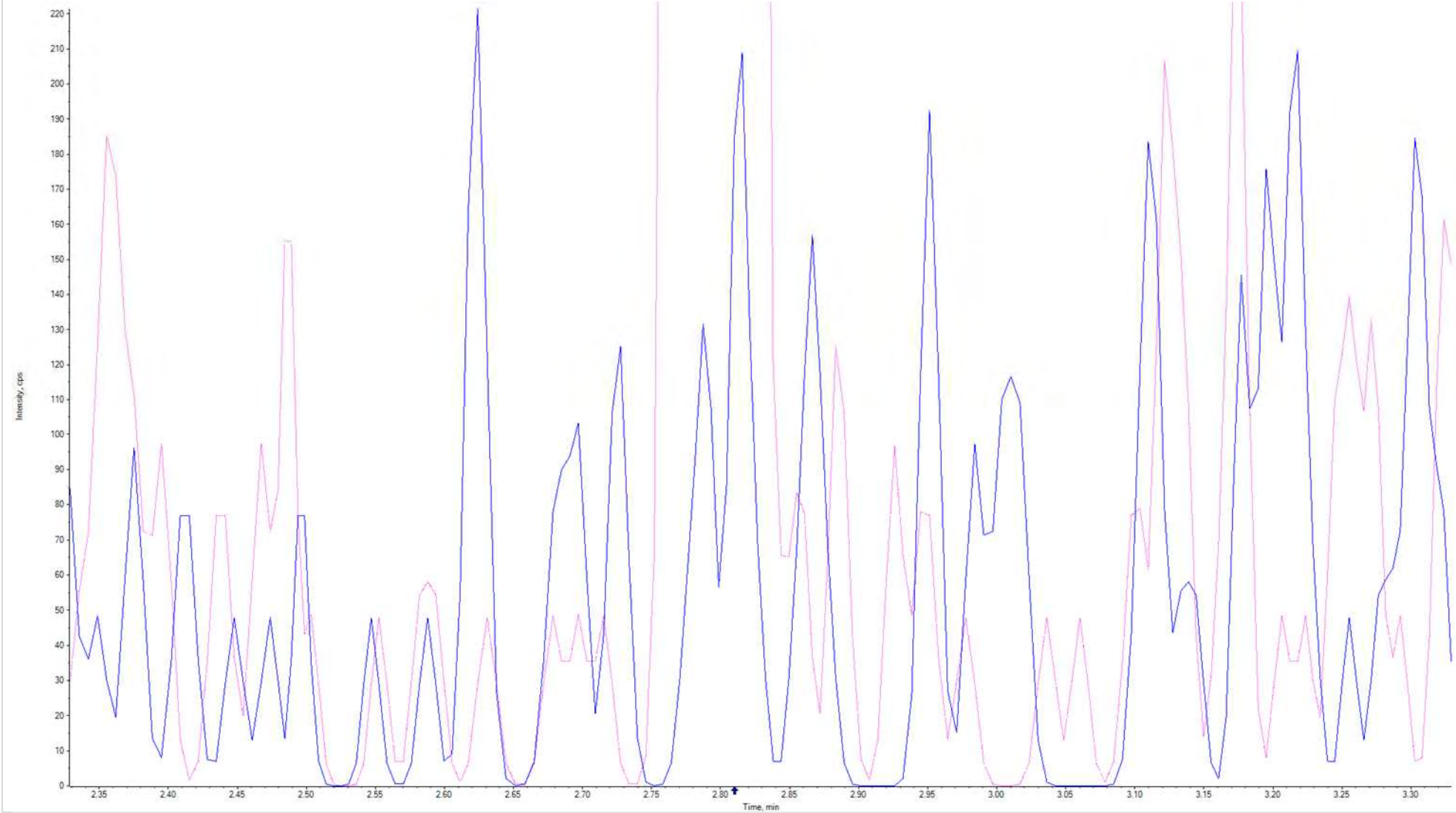

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8:2FTS
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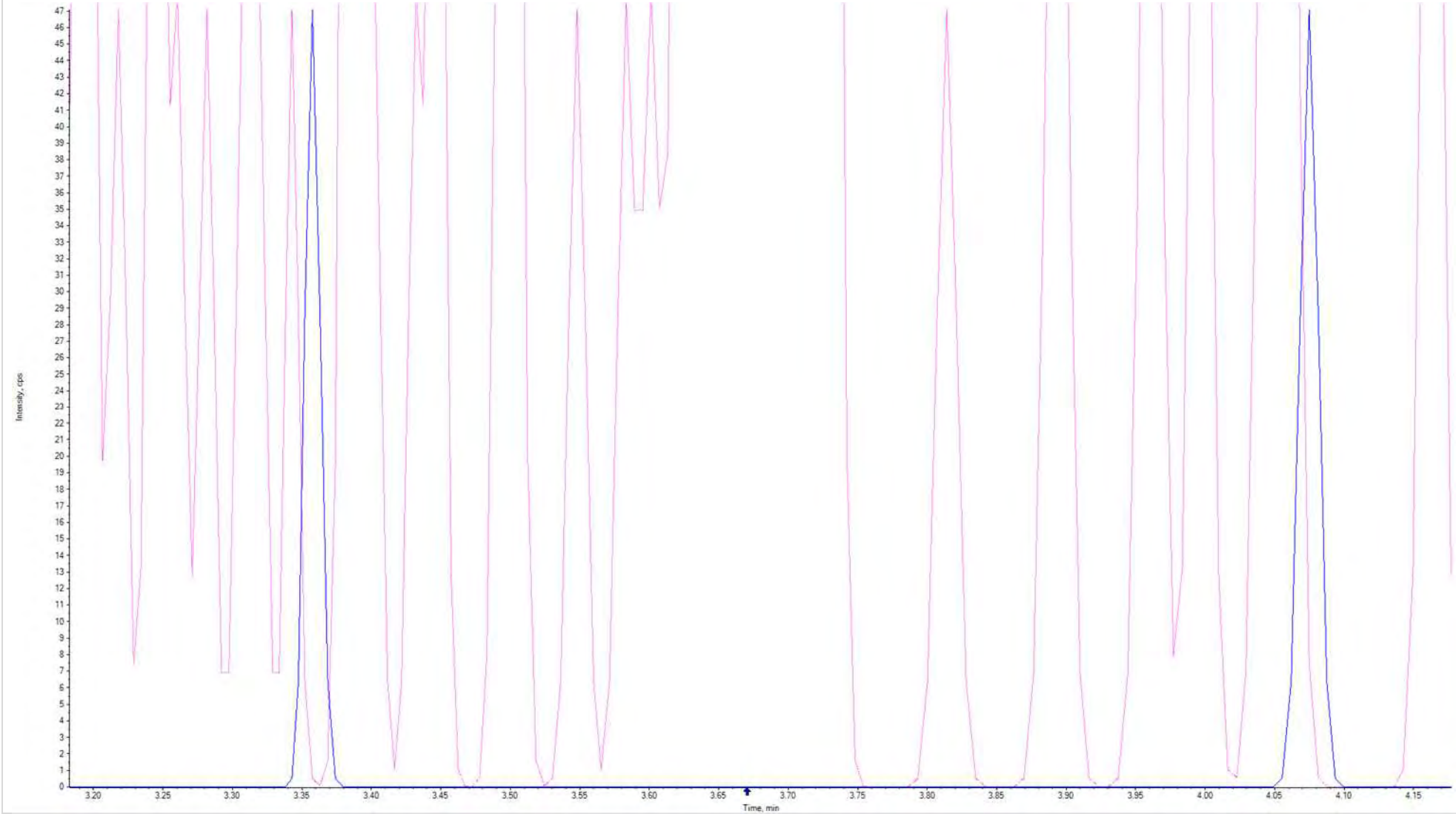

8:2FTS_2
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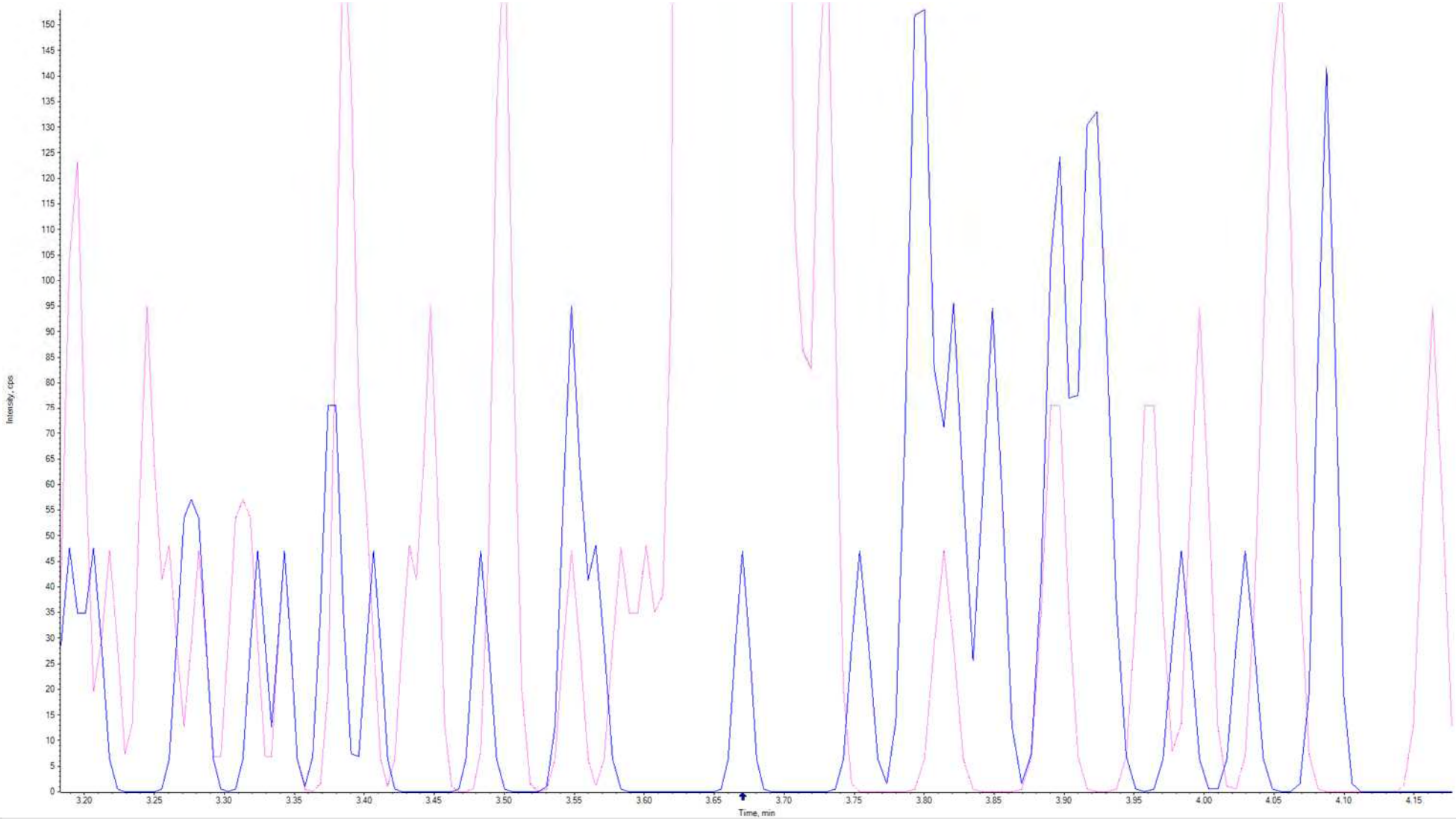

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PFOSA
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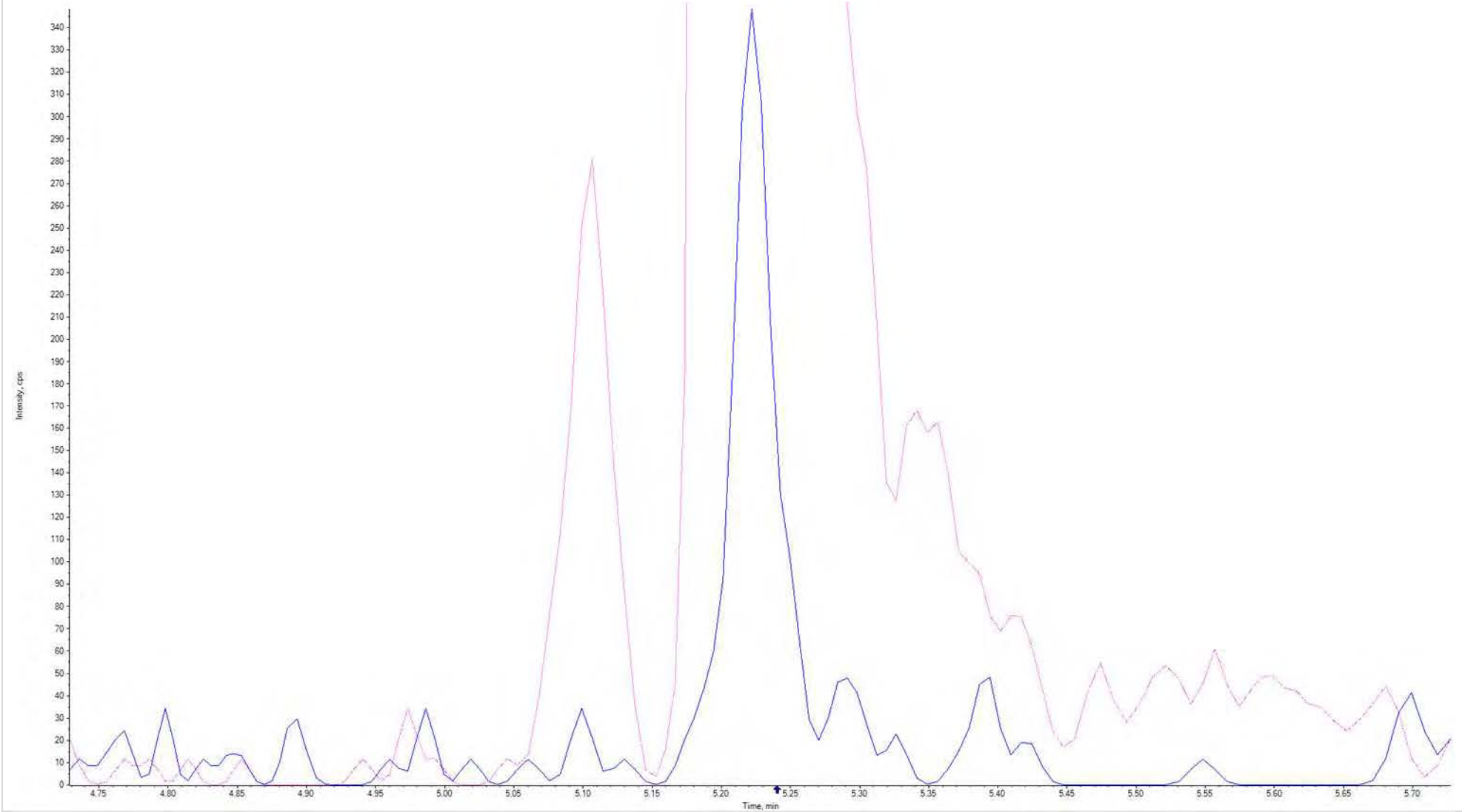

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PFOSA_2
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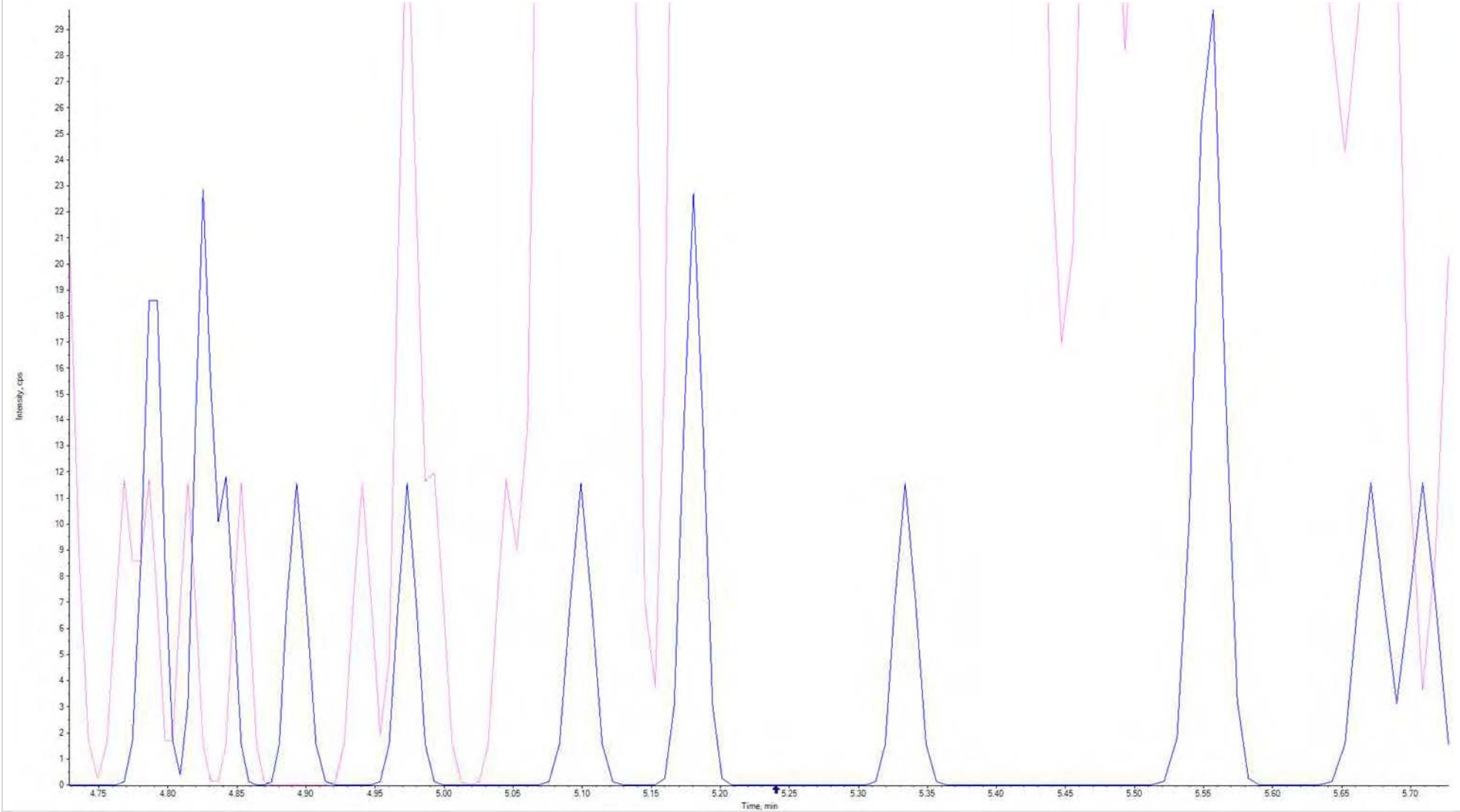

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NMeFOSA
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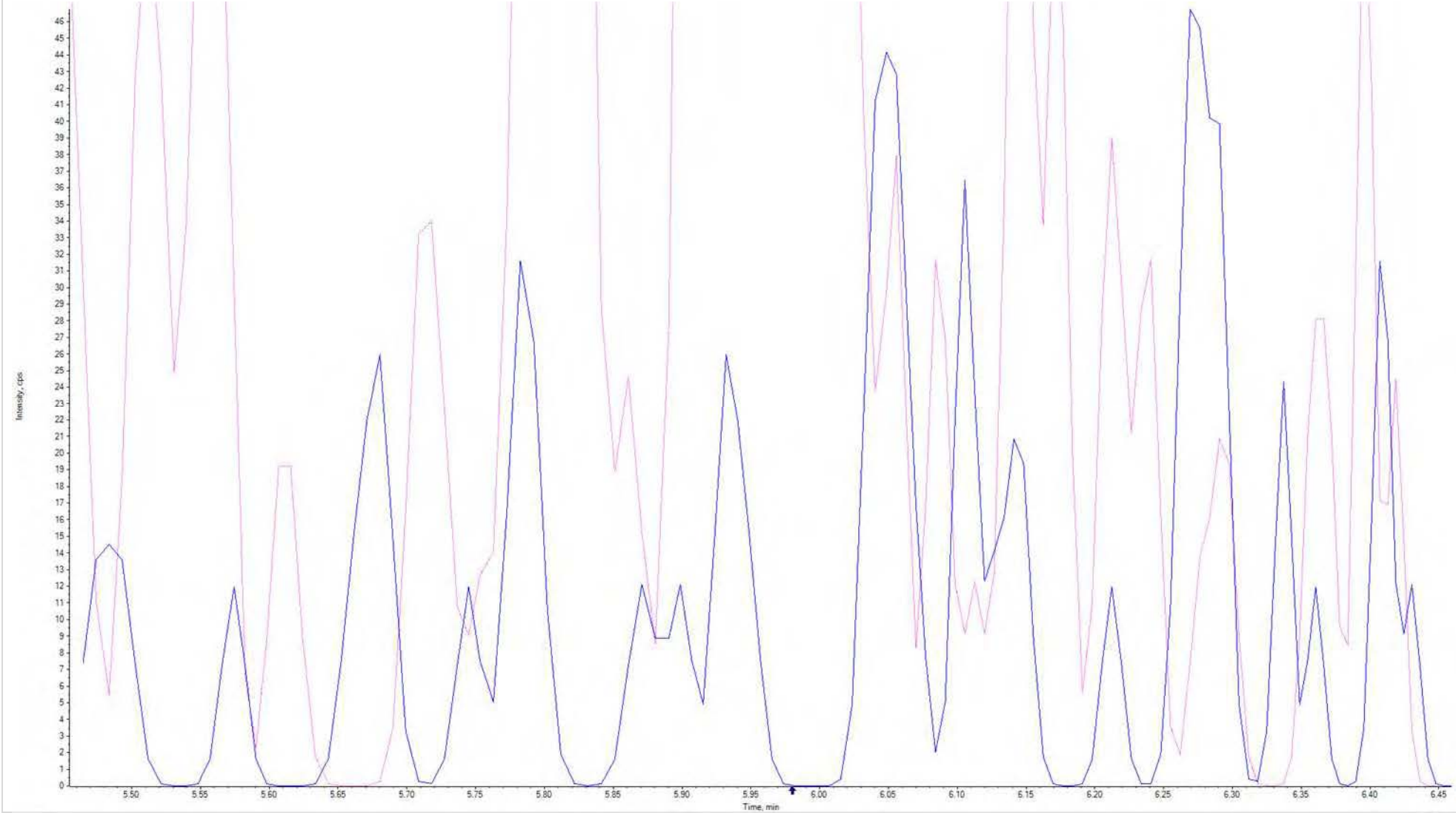

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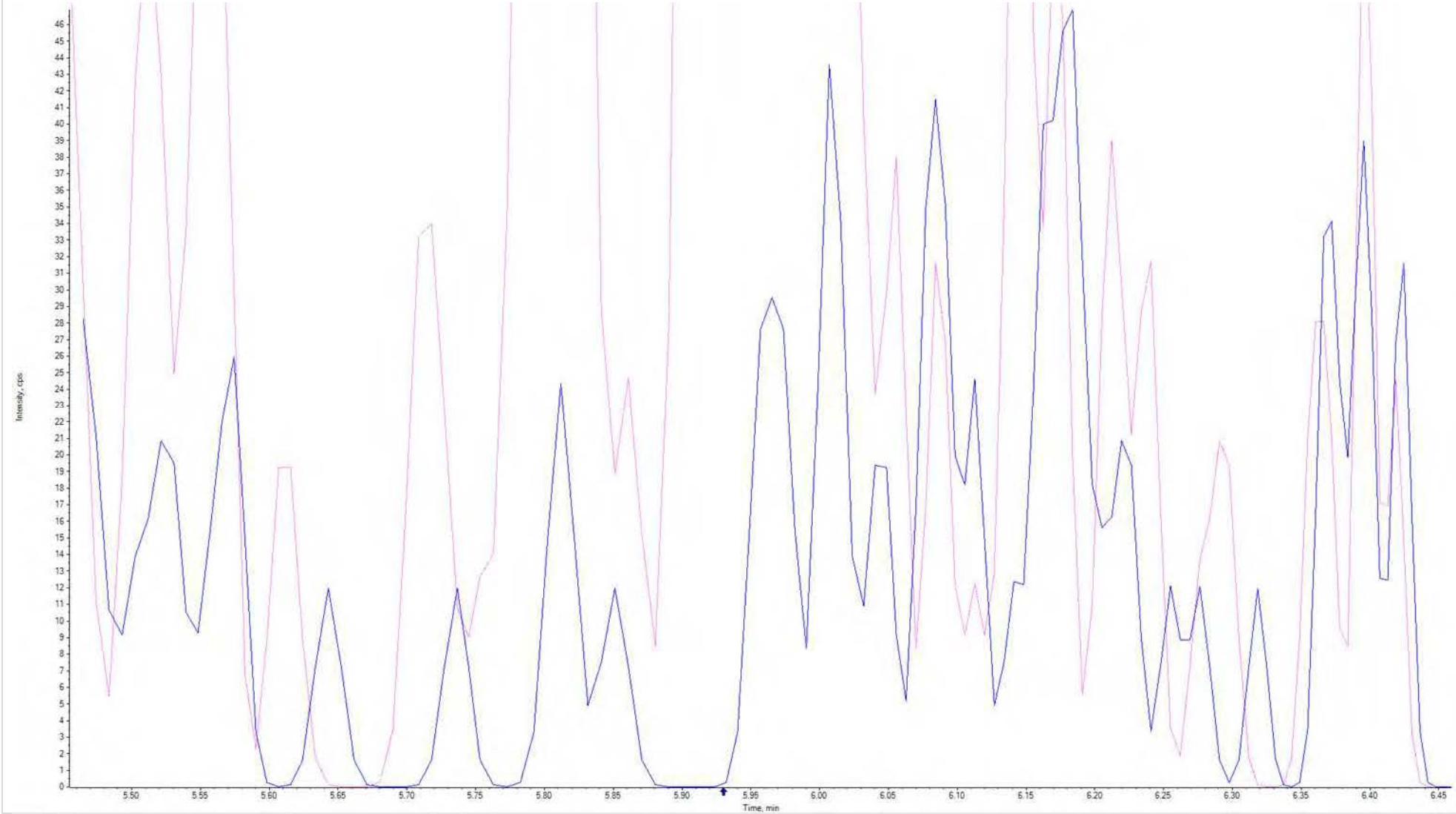

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NEtFOSA
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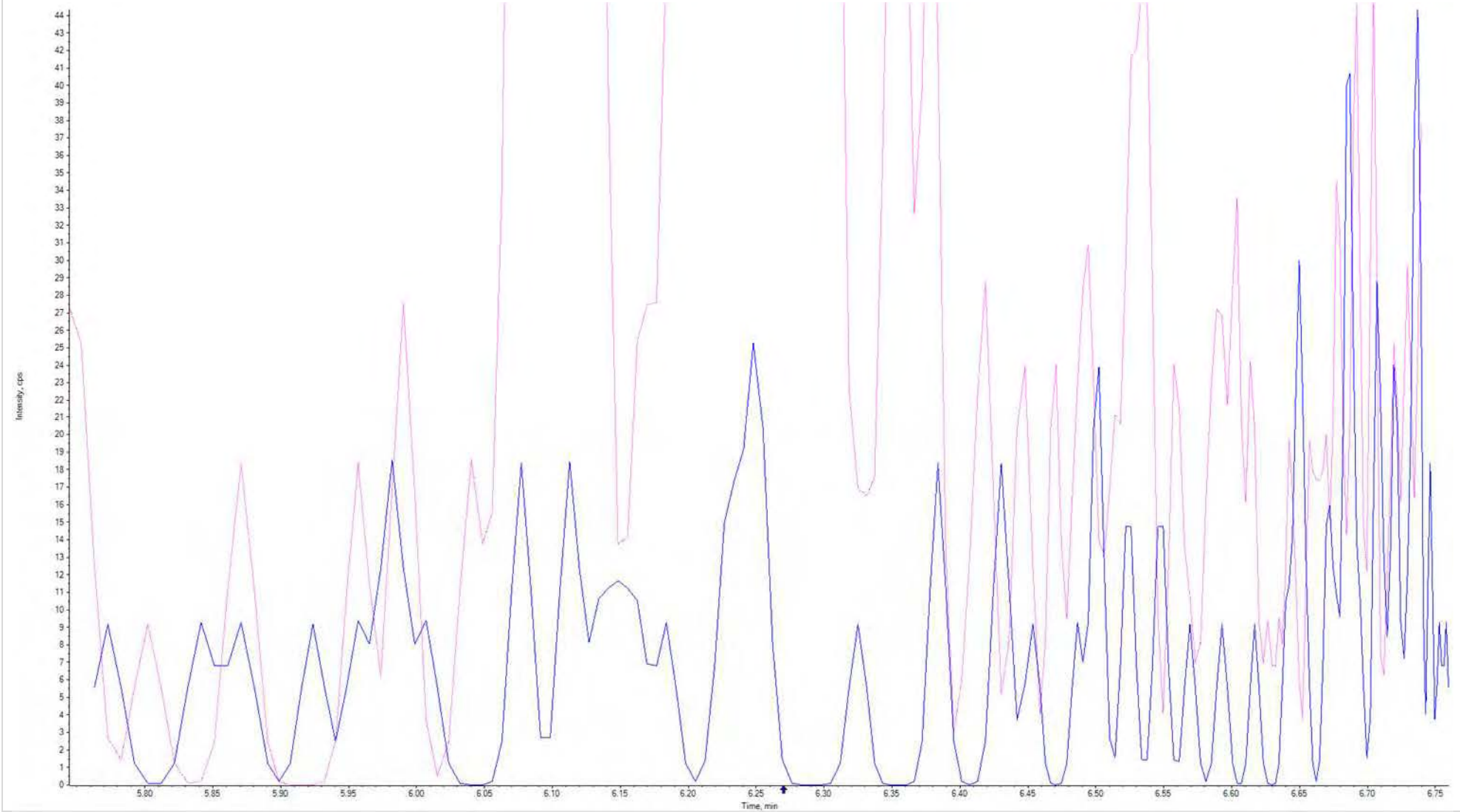

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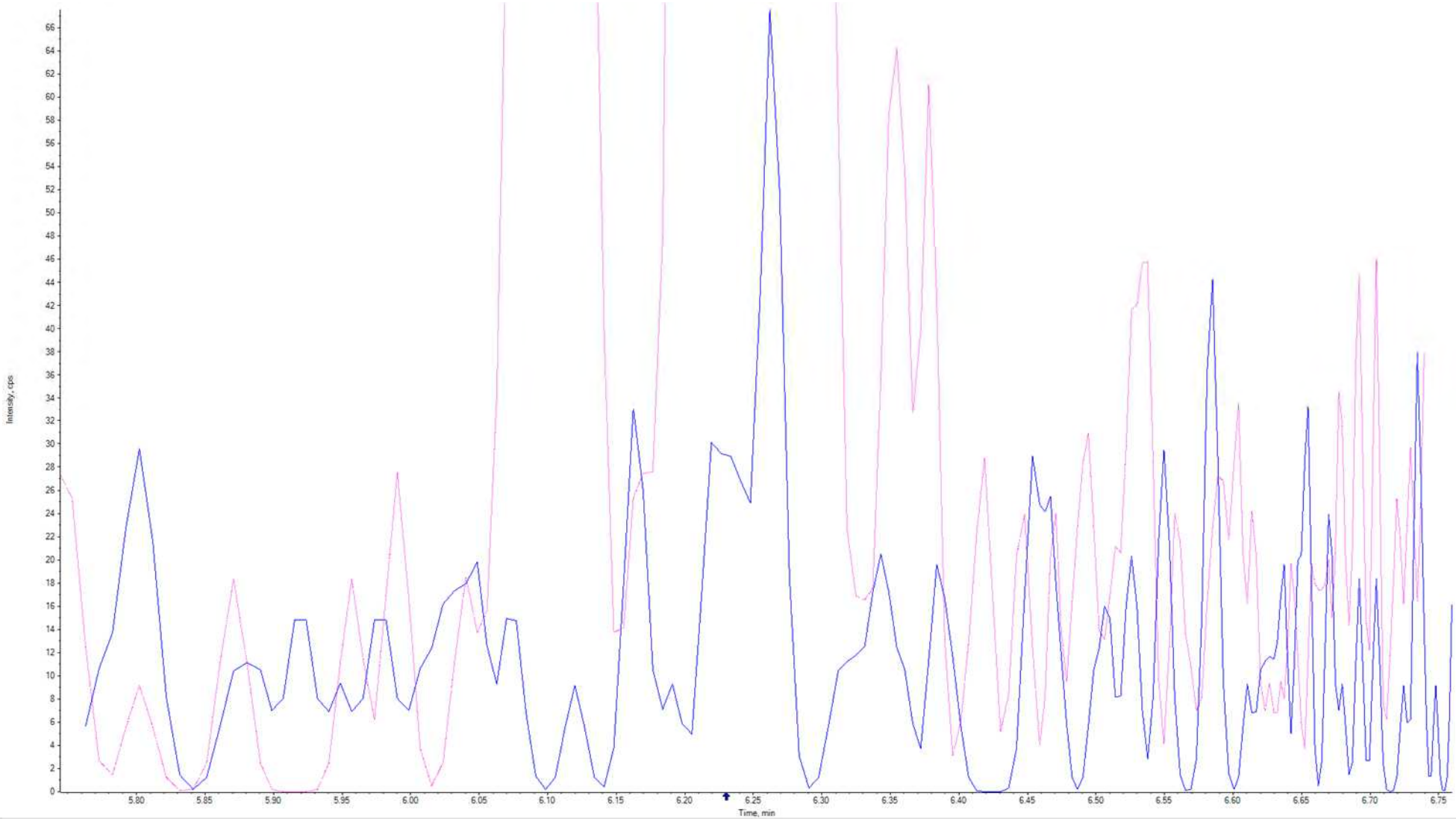

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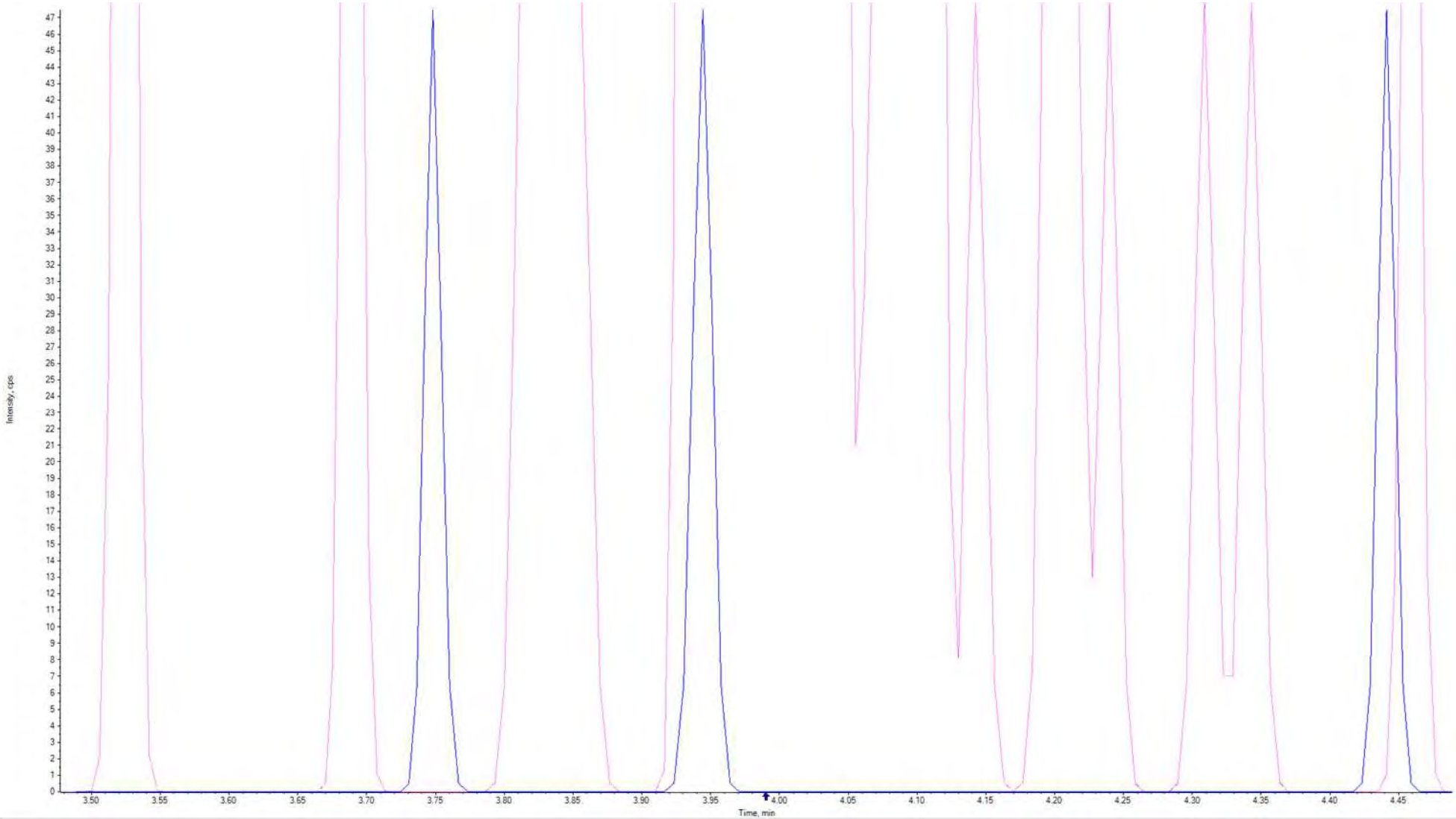

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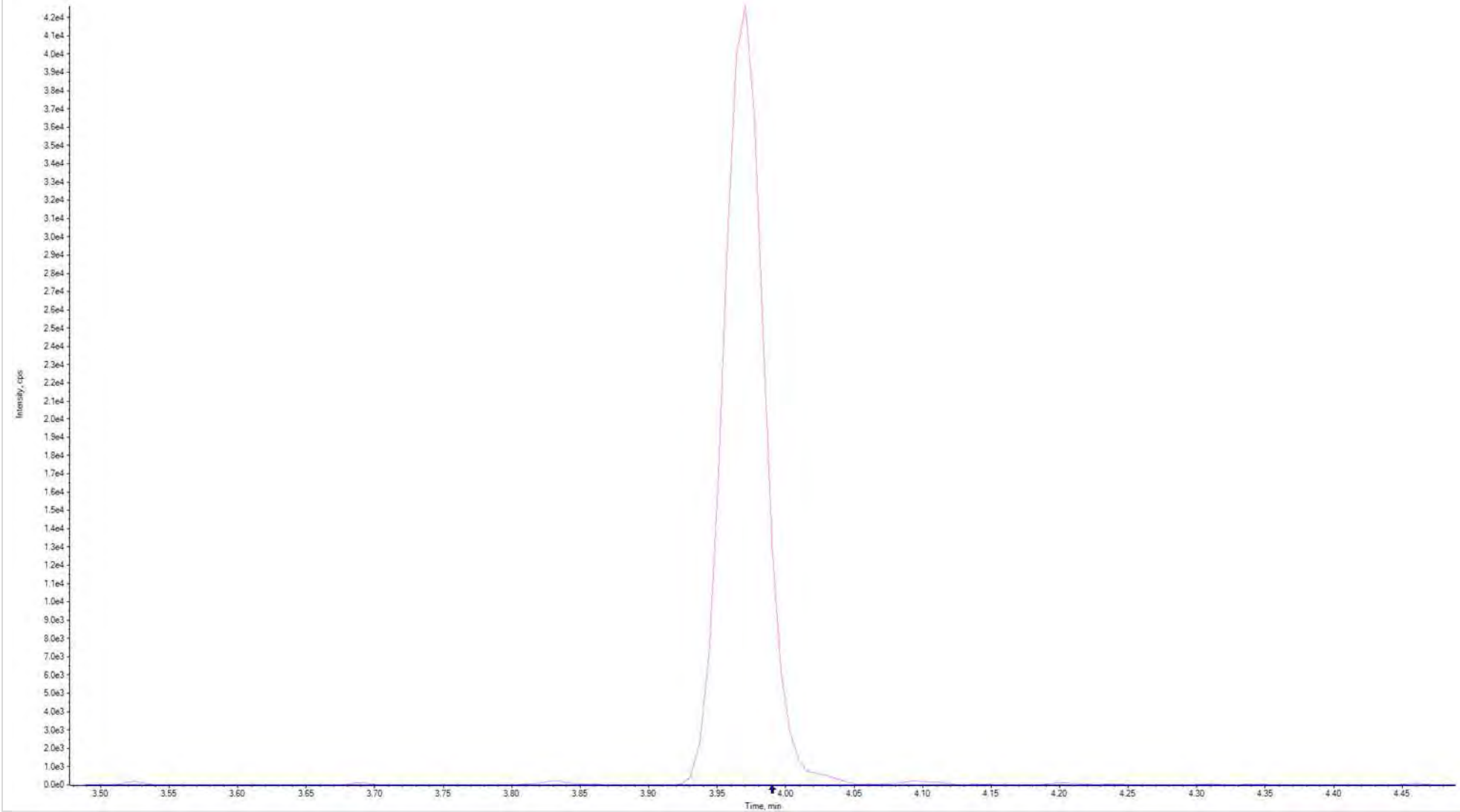

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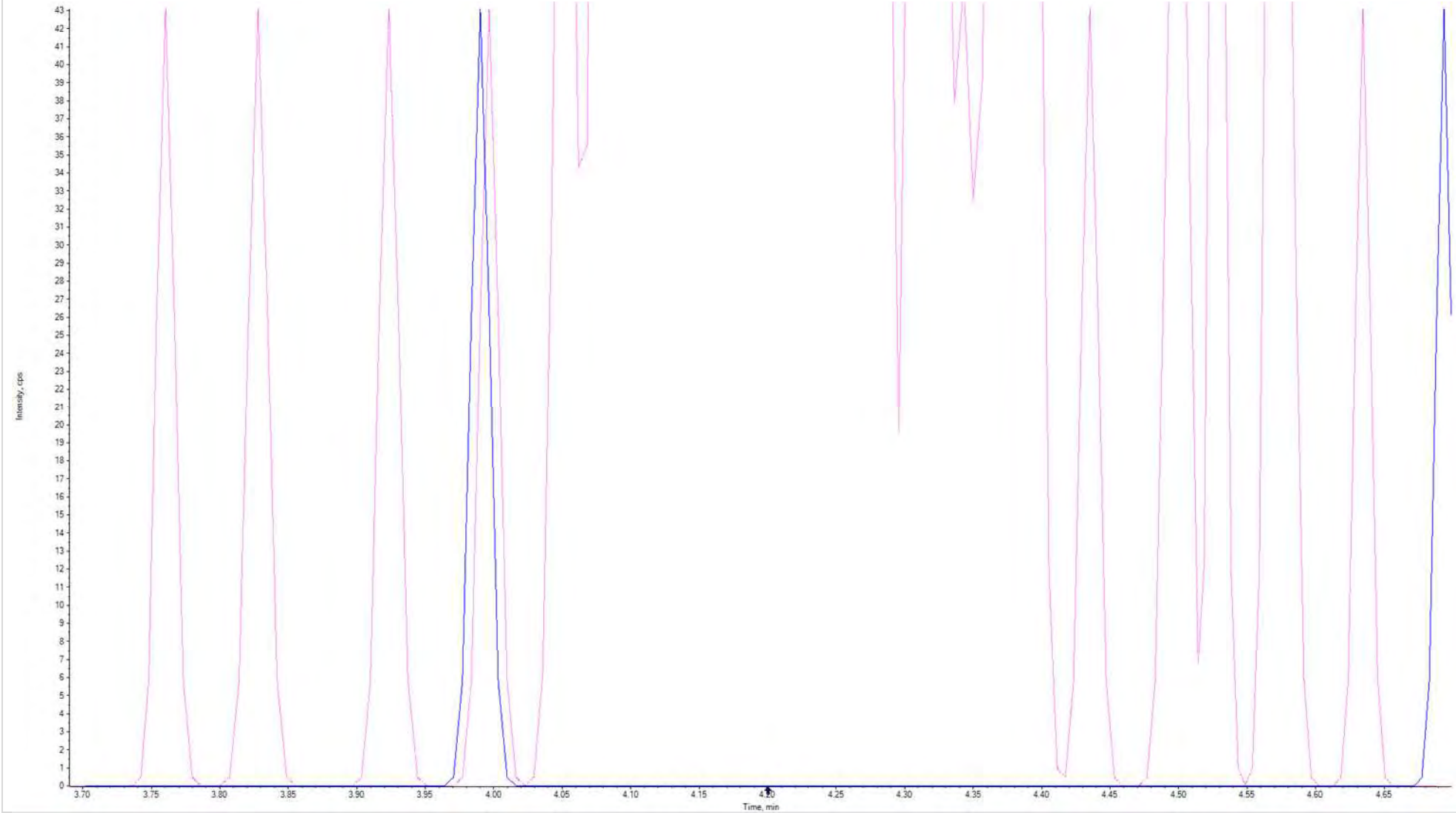

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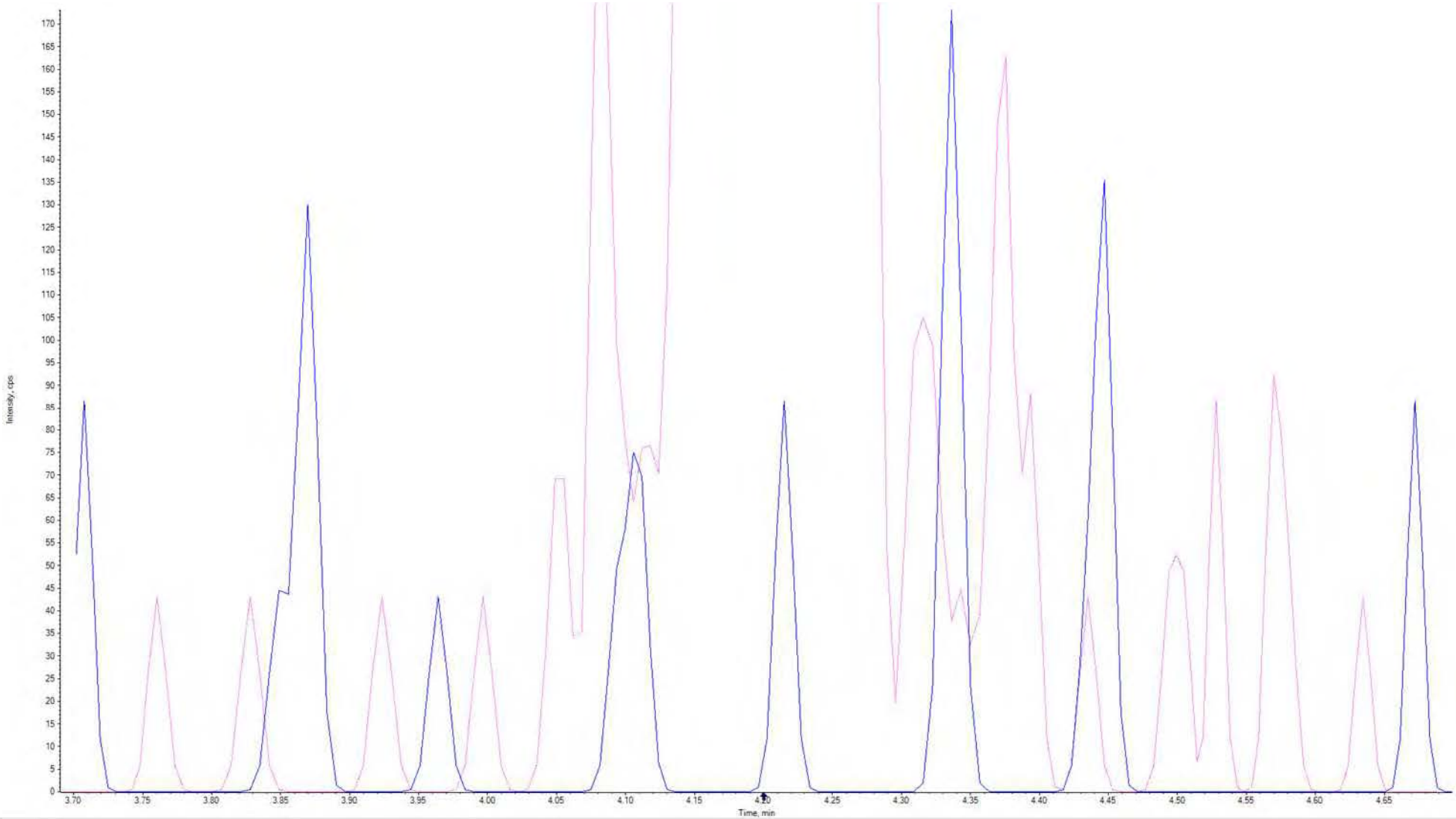

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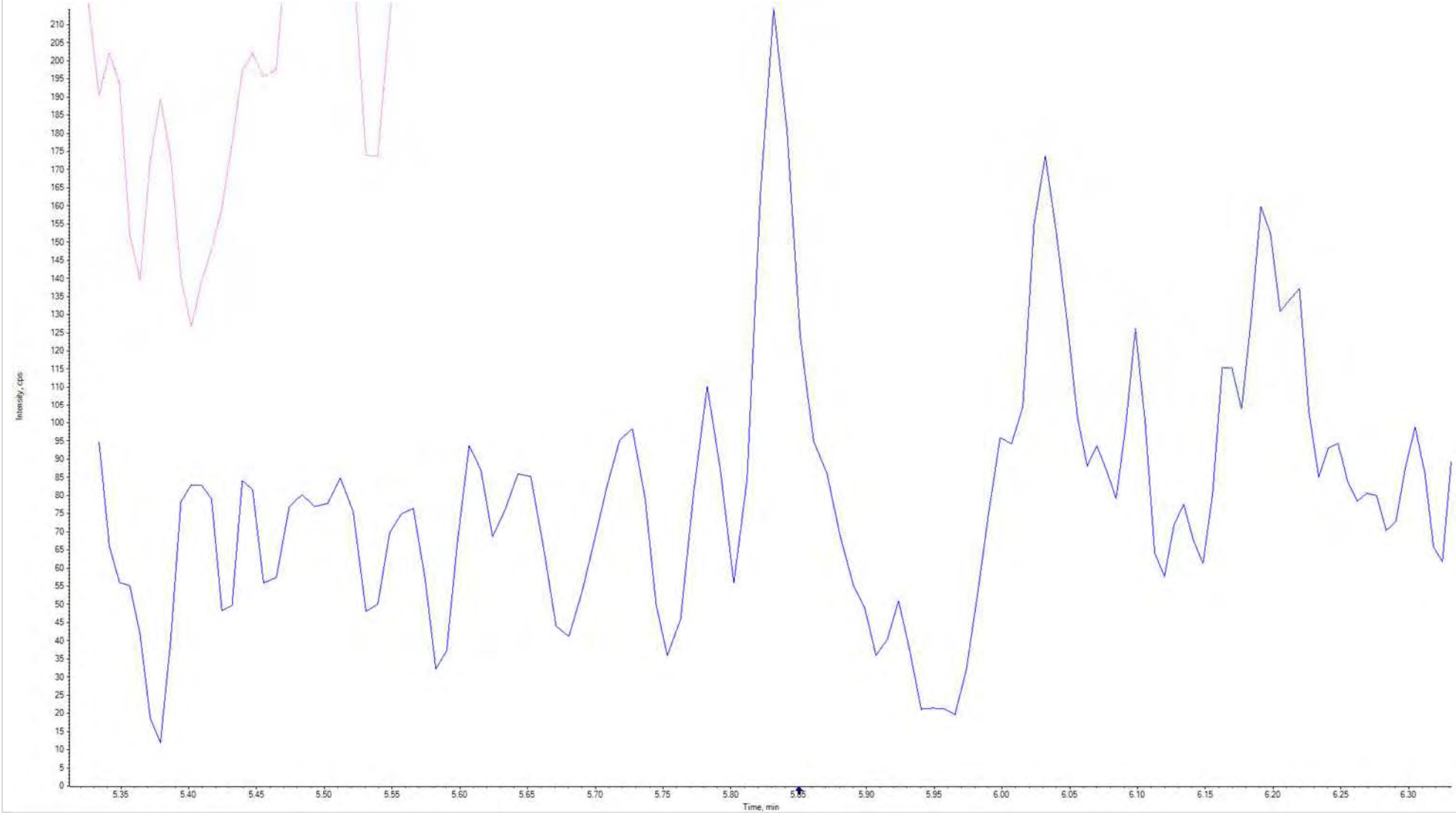

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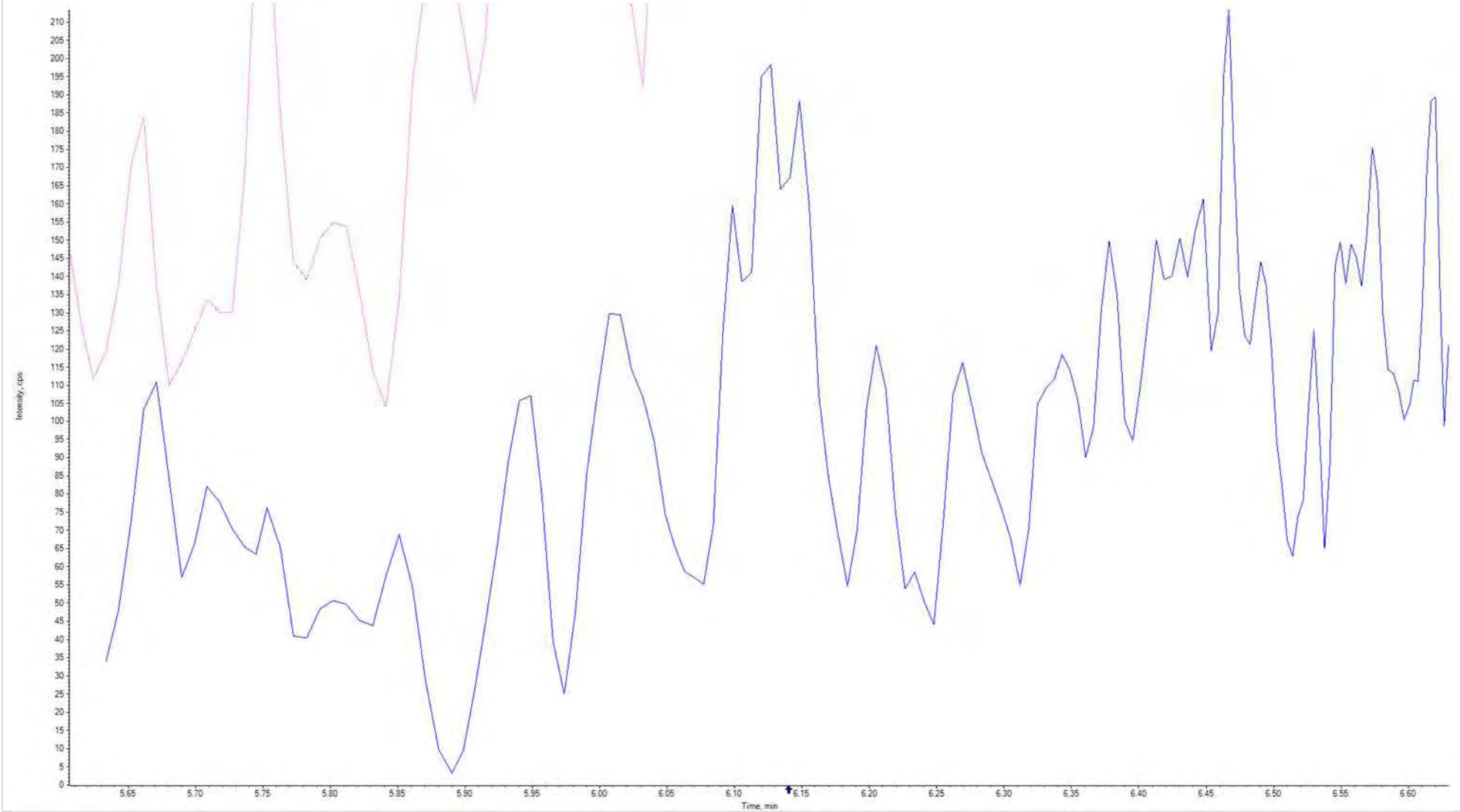

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HFPO-DA
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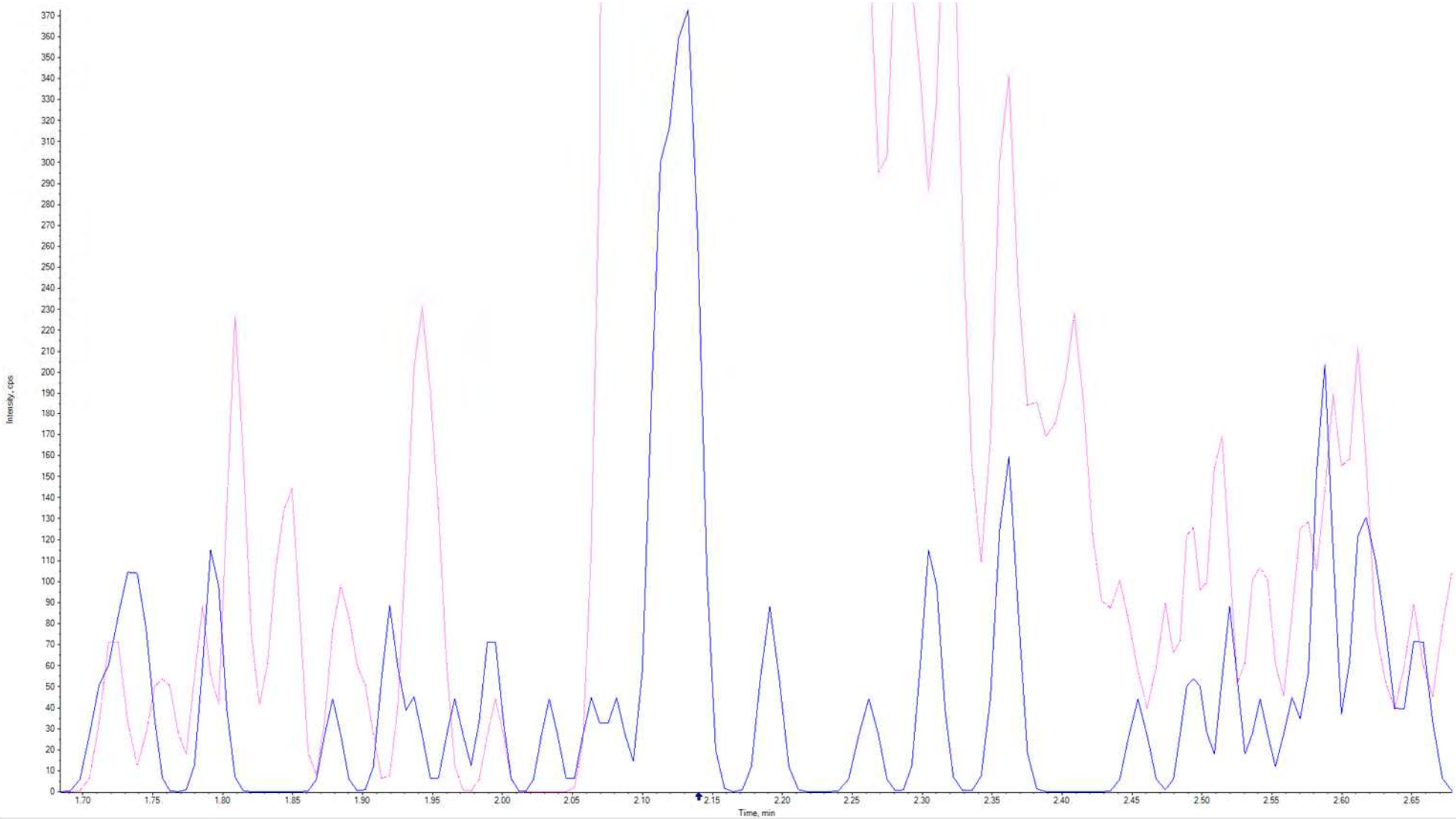

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HFPO-DA_2
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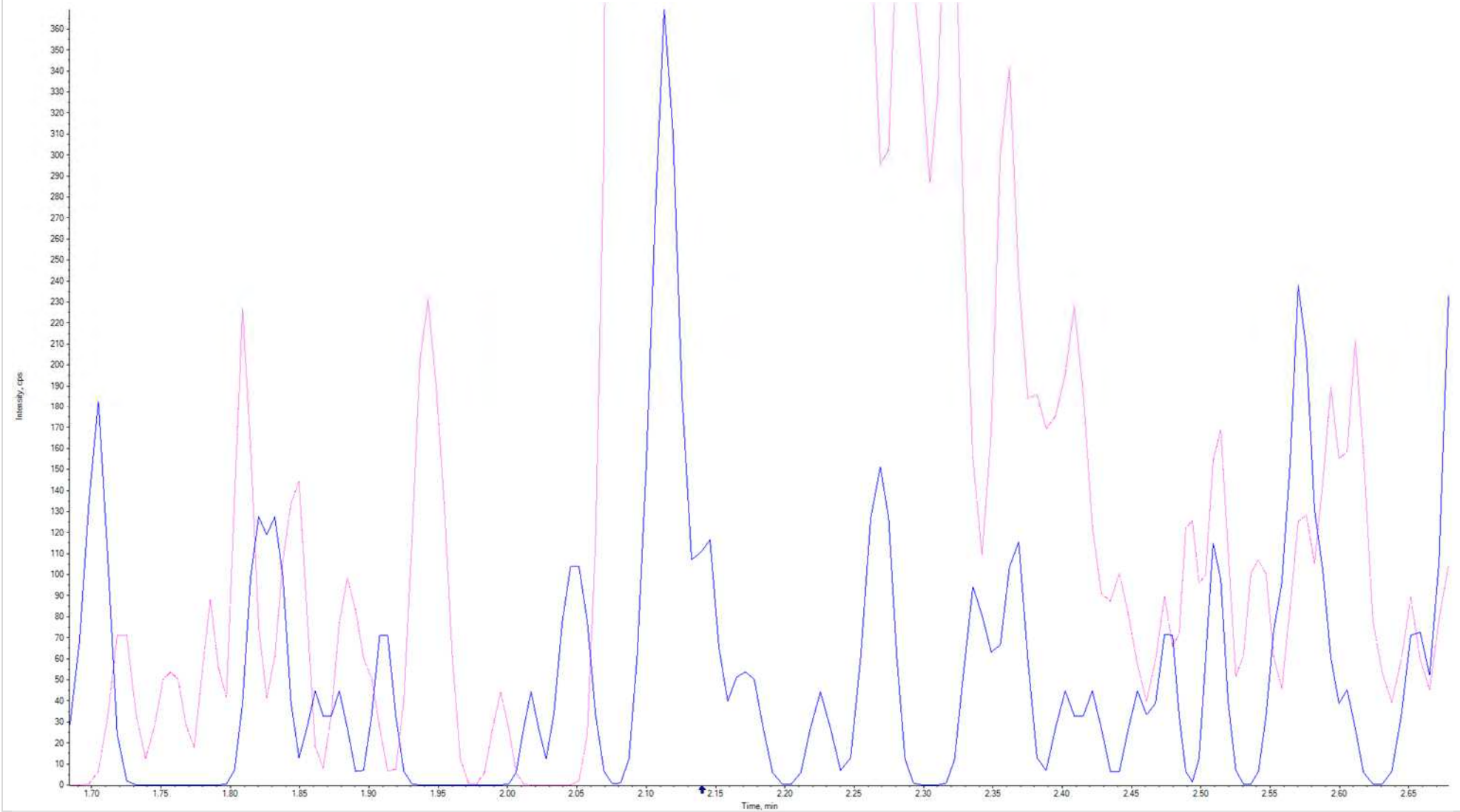

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ADONA
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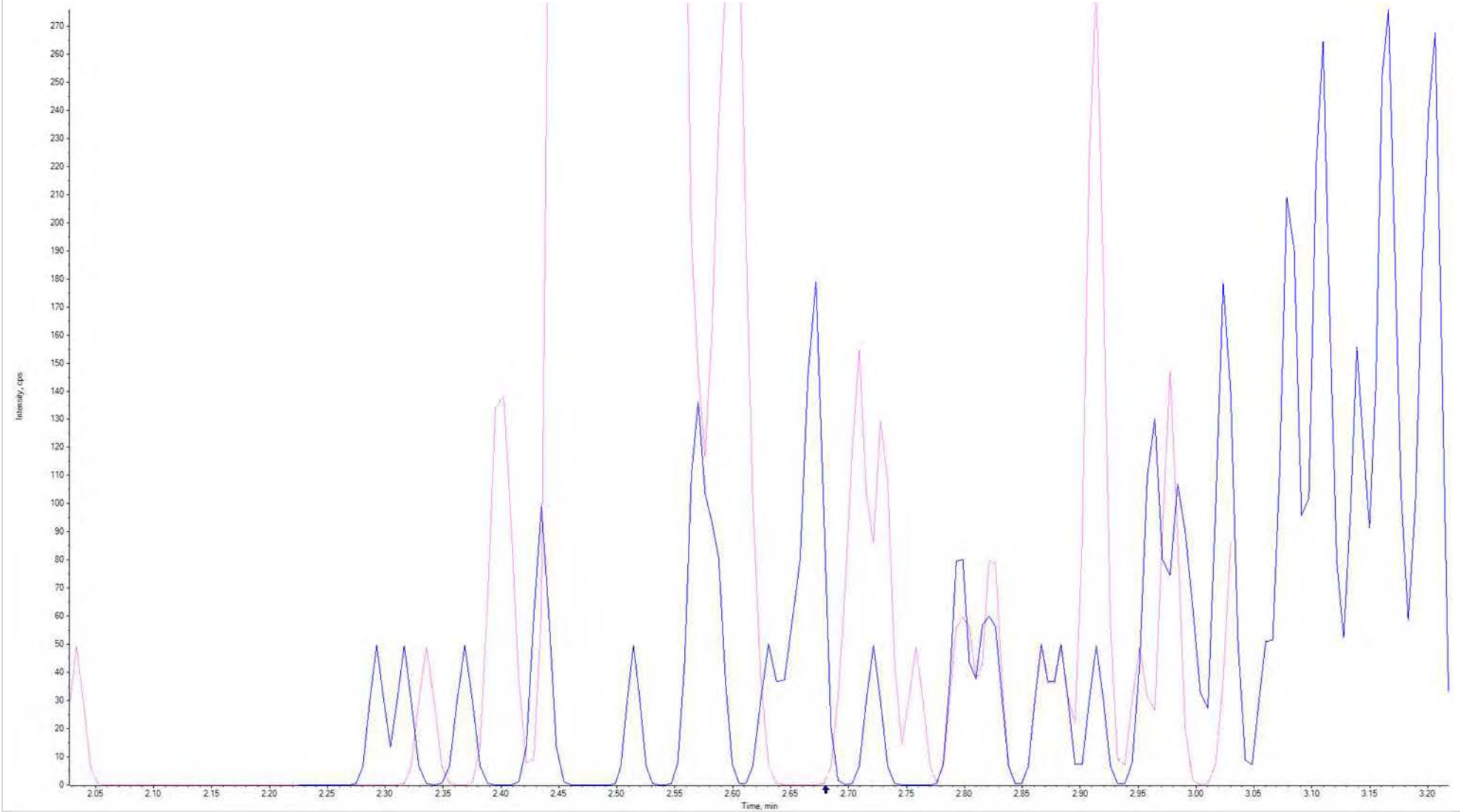

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ADONA_2
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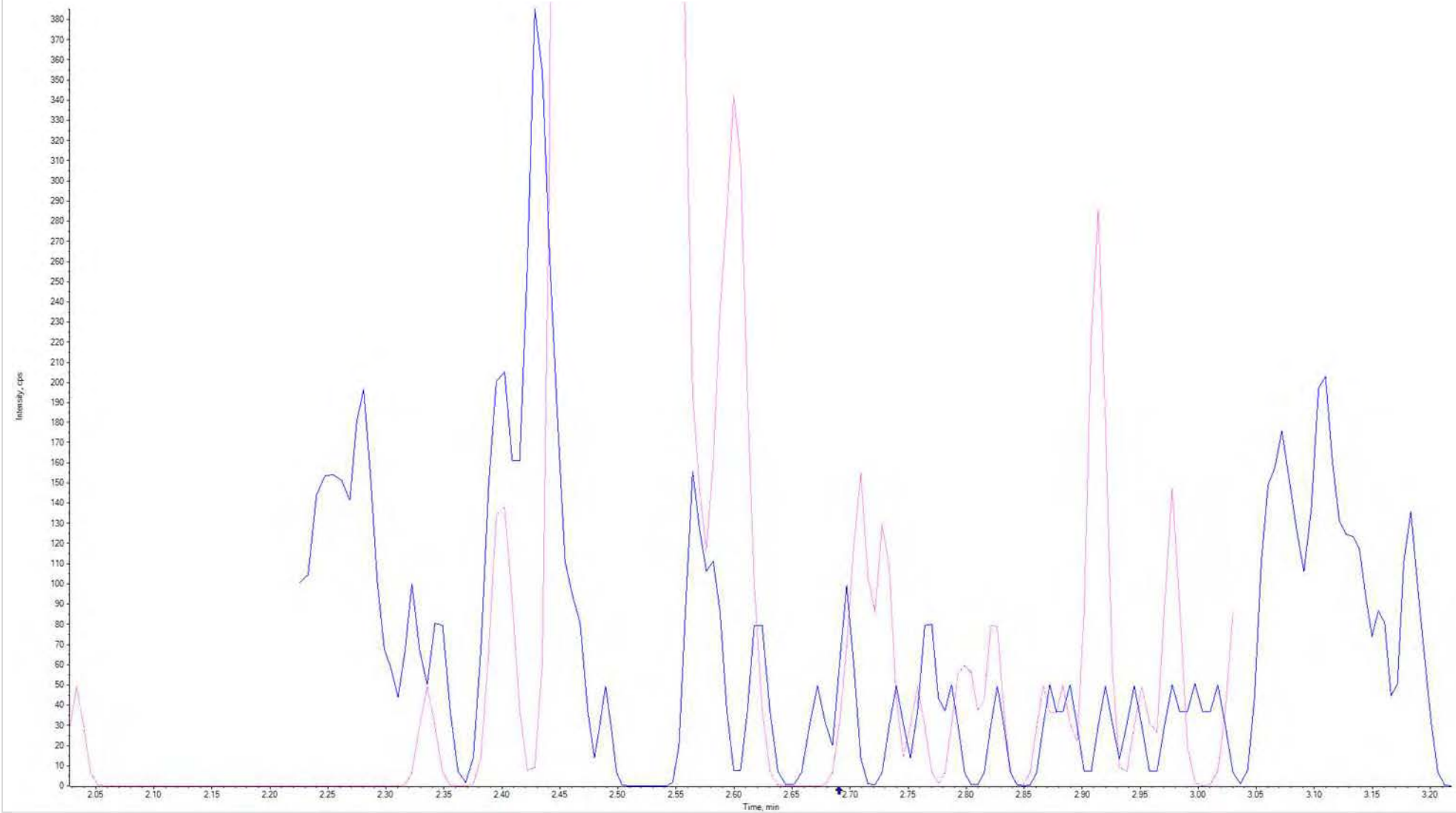

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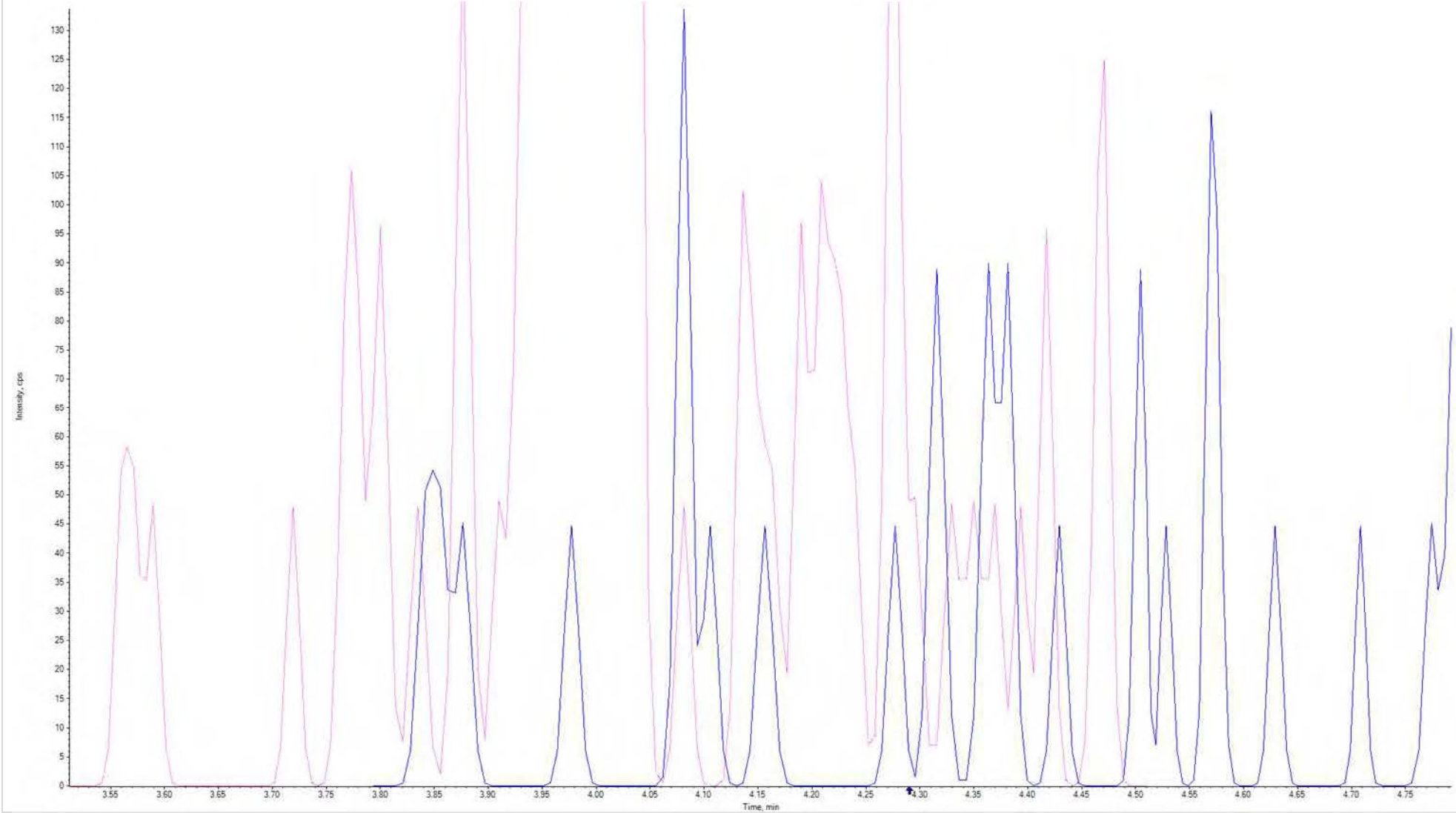
9Cl-PF3ONS
Sample: L2512368-19 S/N:N/A Points Across peak:N/A



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9Cl-PF3ONS_2
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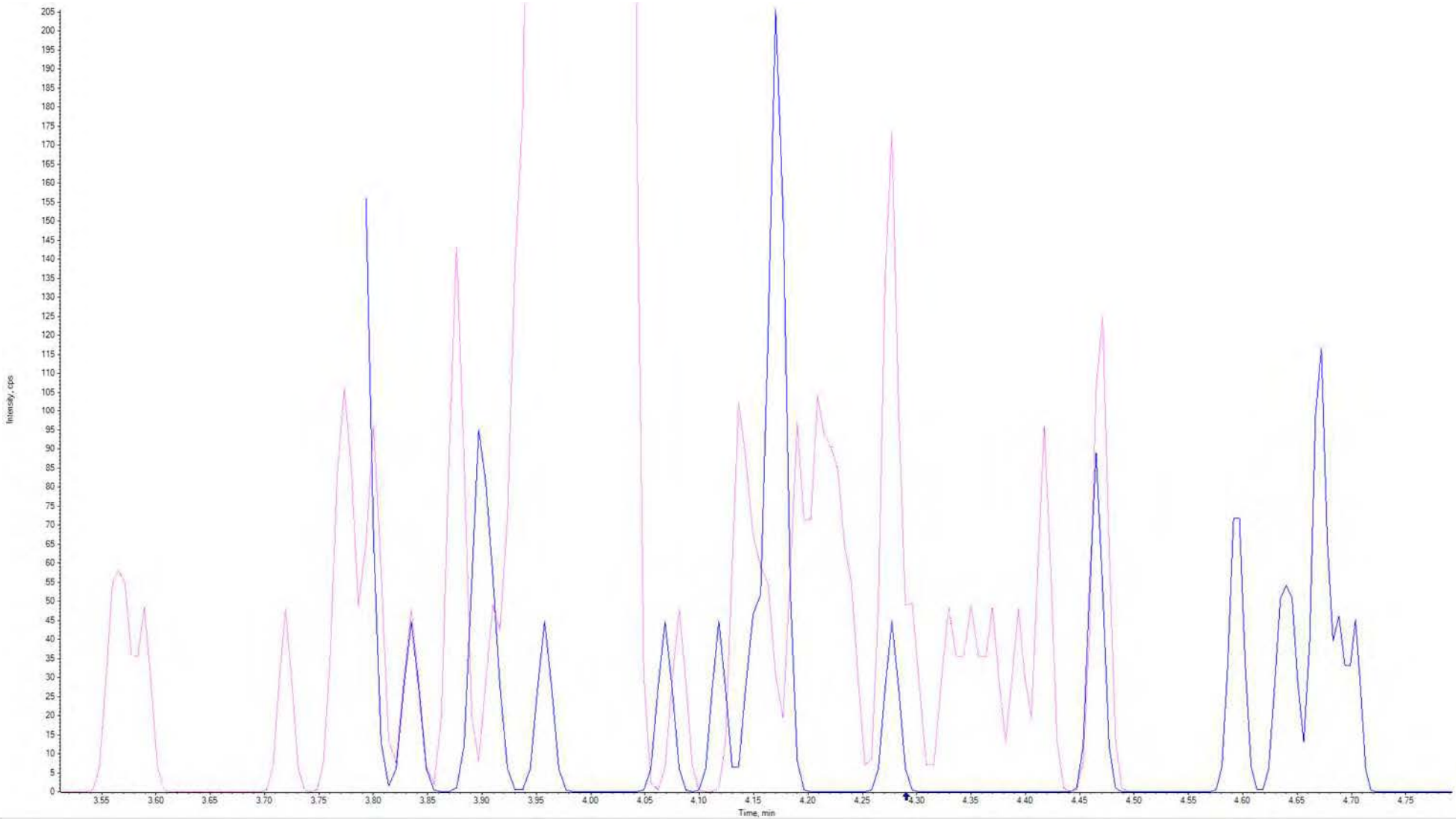

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11Cl-PF3OUdS
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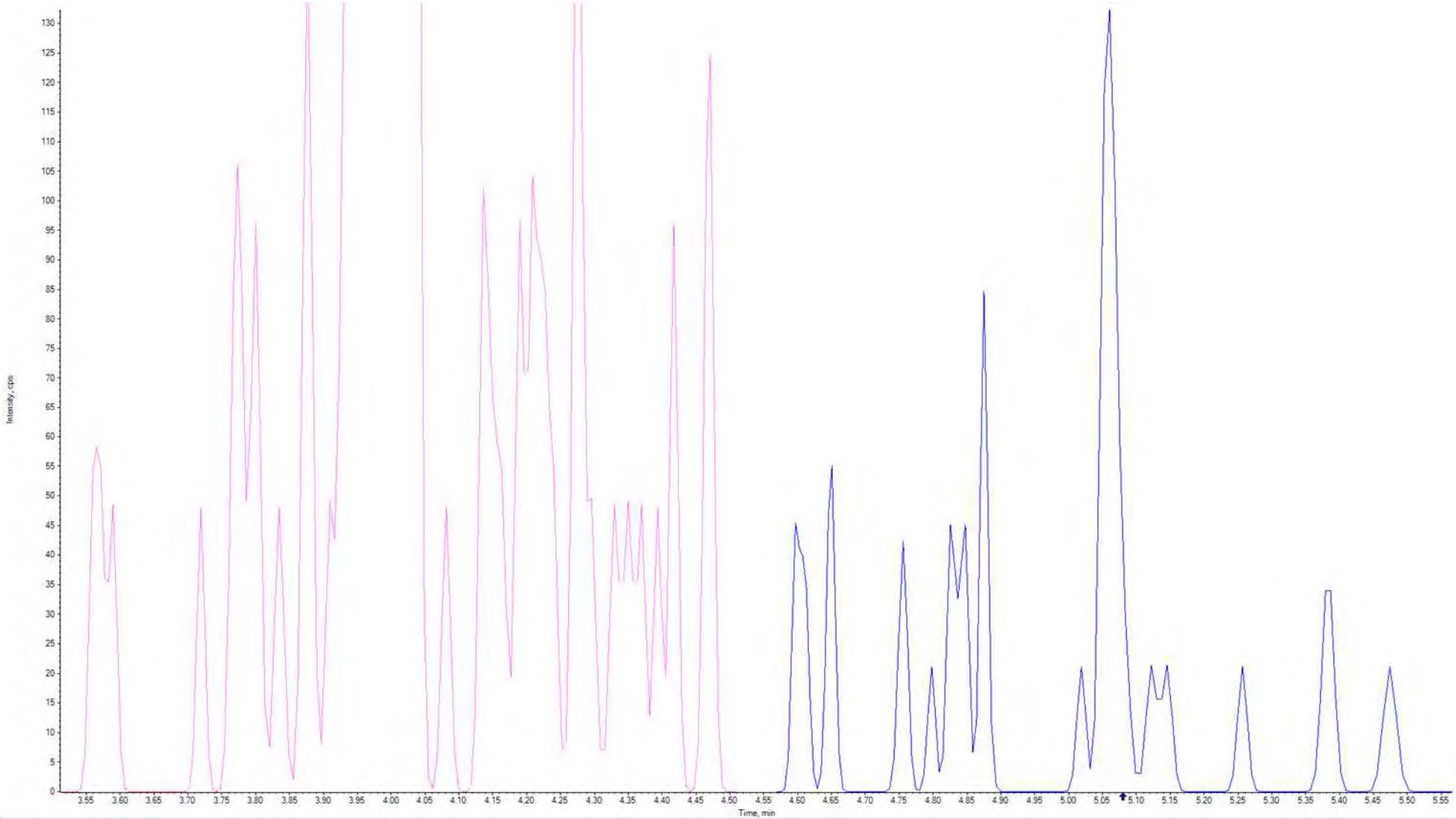

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11Cl-PF3OUdS_2
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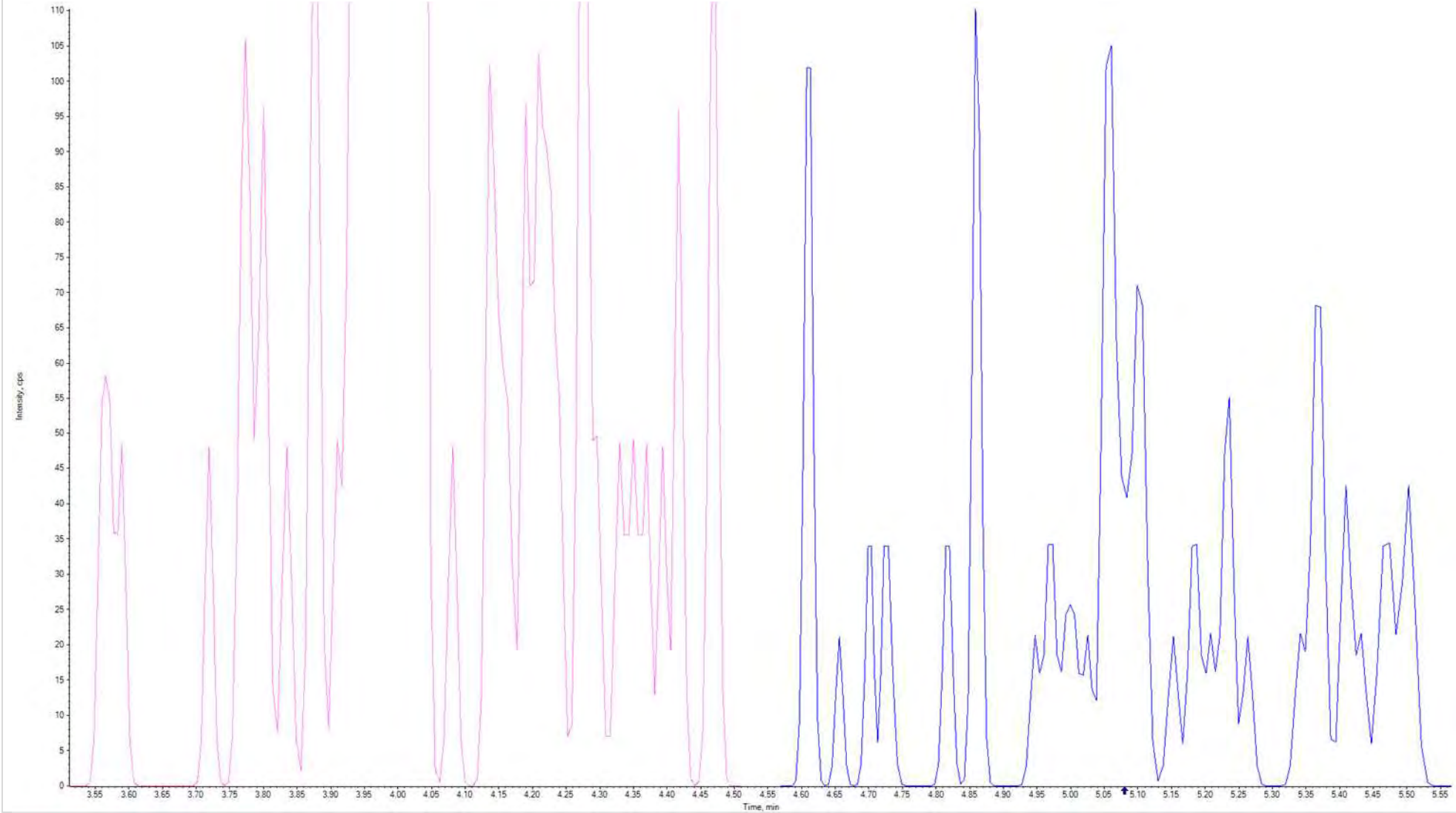

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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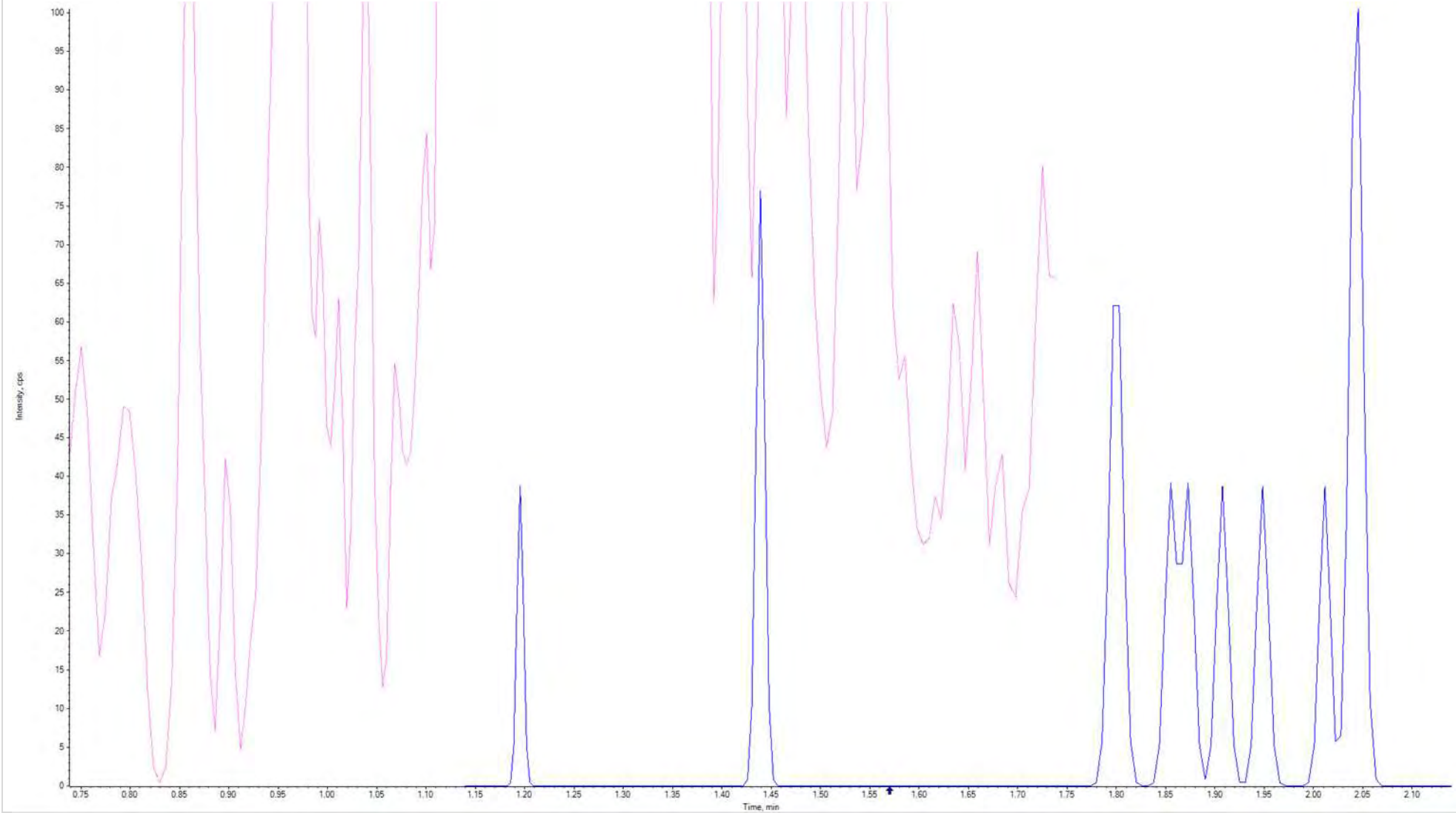
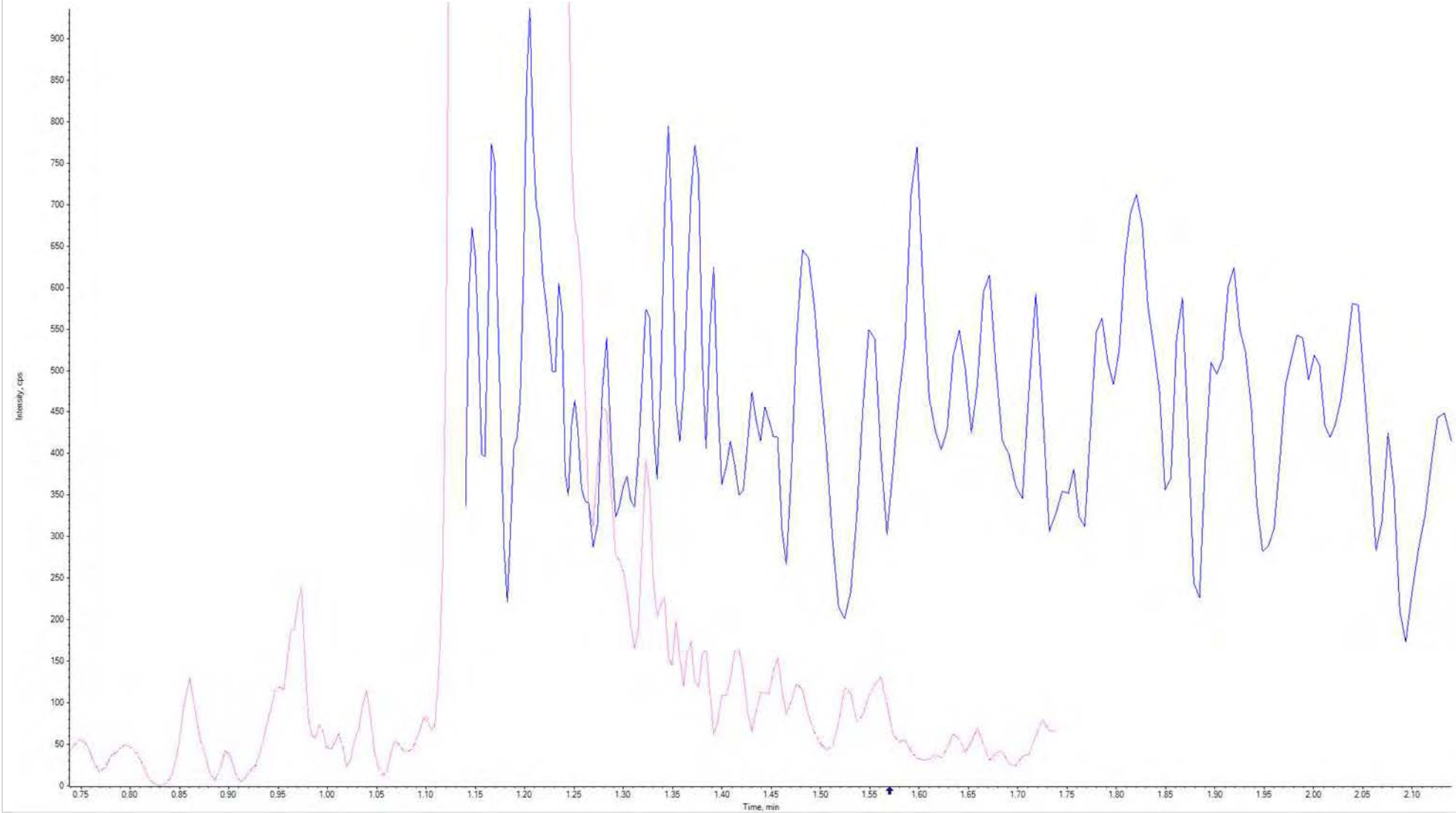
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

3:3FTCA
Sample: L2512368-19 S/N:N/A Points Across peak:N/A



3:3FTCA_2
Sample: L2512368-19 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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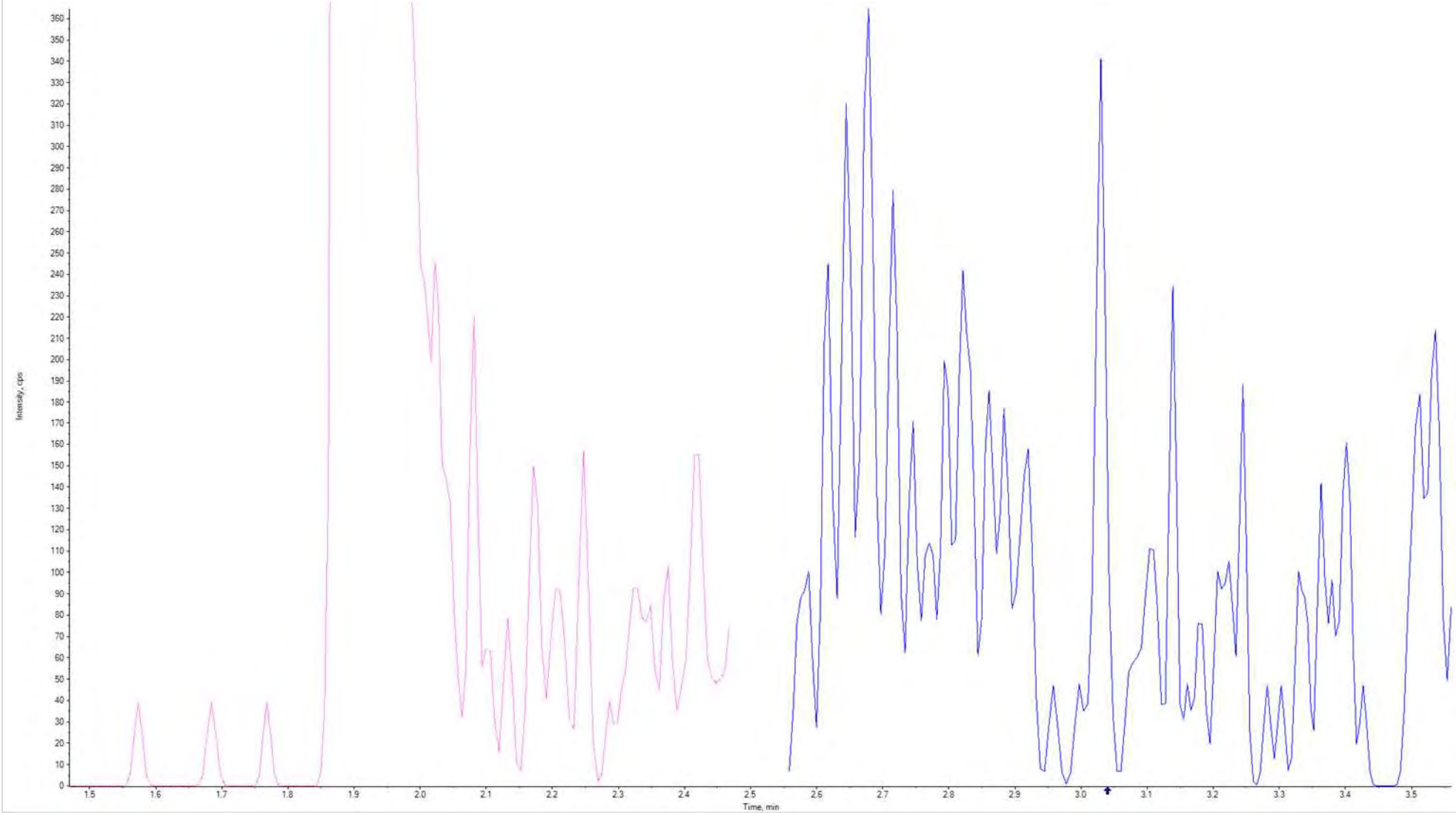
5:3FTCA
Sample: L2512368-19 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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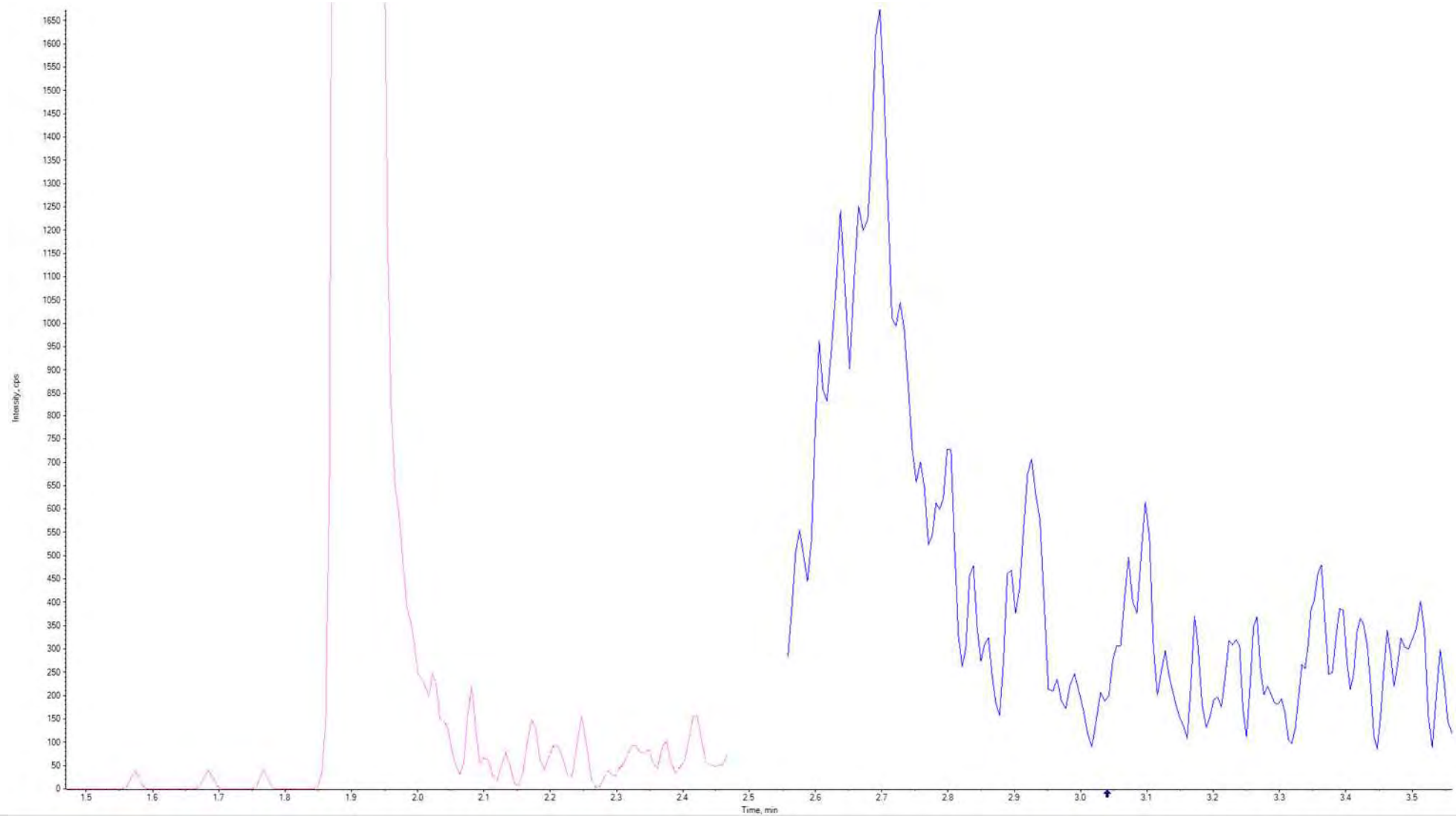
5:3FTCA_2
Sample: L2512368-19 S/N:N/A Points Across peak:N/A



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Alpha Analytical LLC
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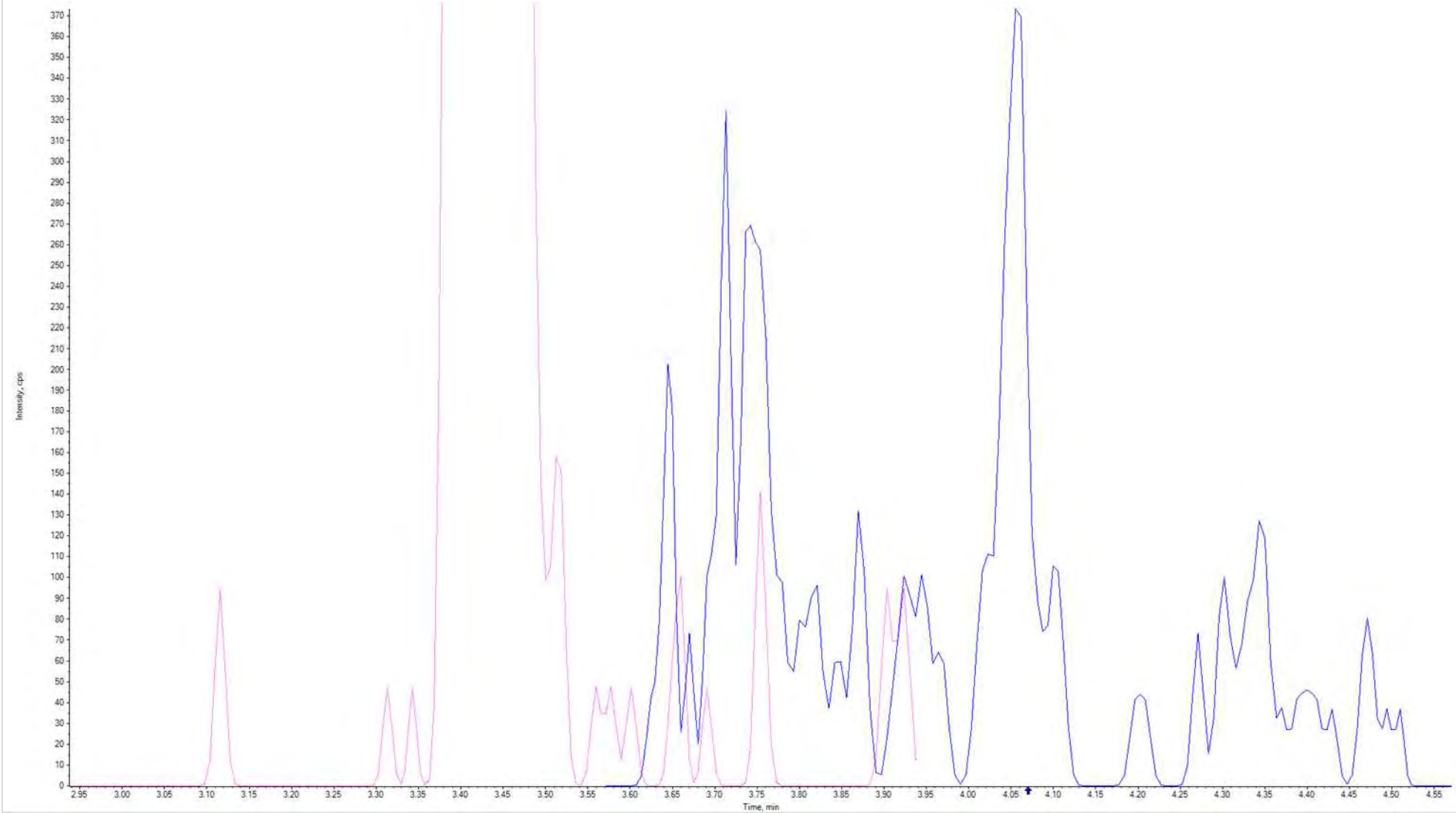
7:3FTCA
Sample: L2512368-19 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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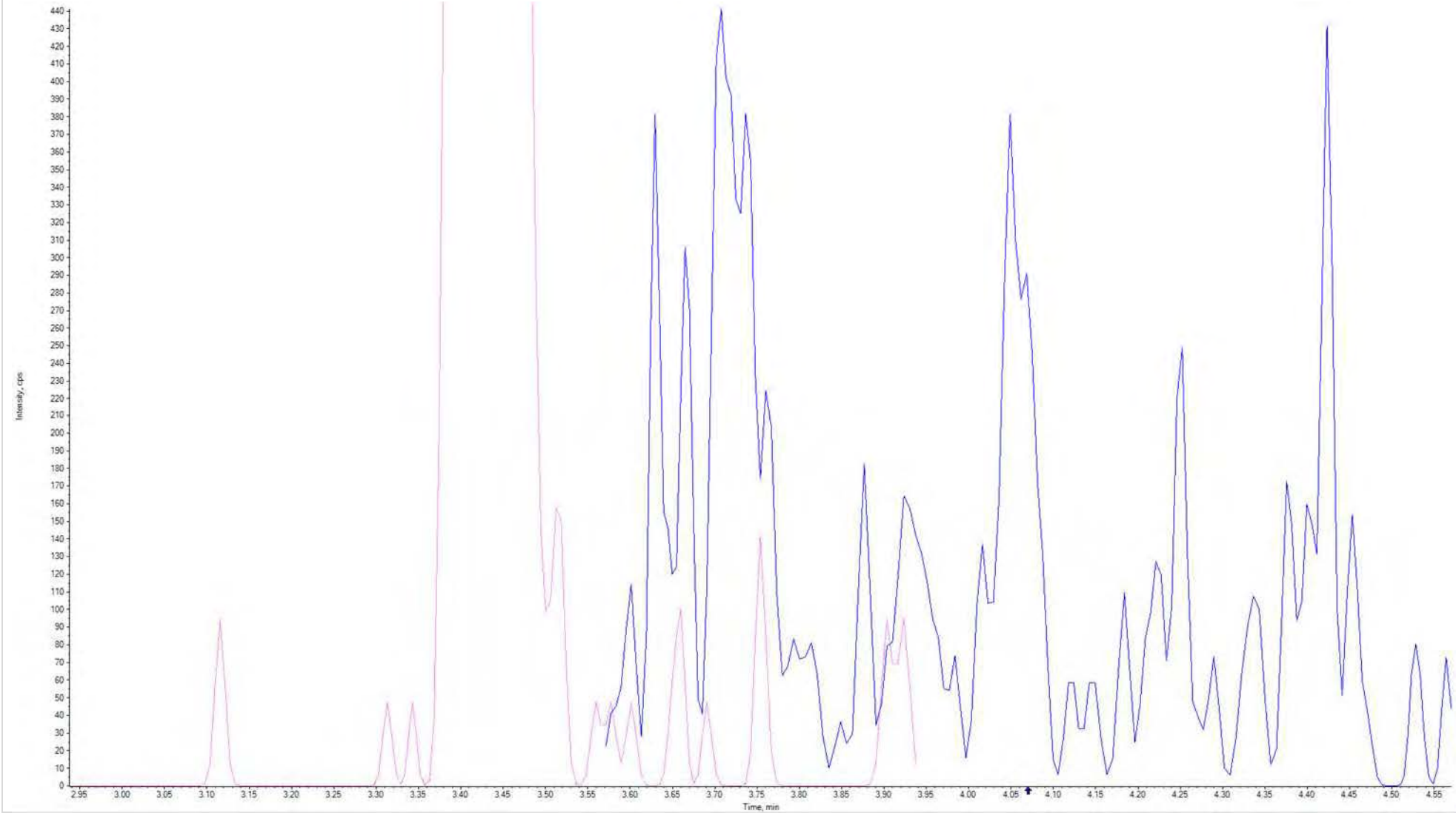
7:3FTCA_2
Sample: L2512368-19 S/N:N/A Points Across peak:N/A



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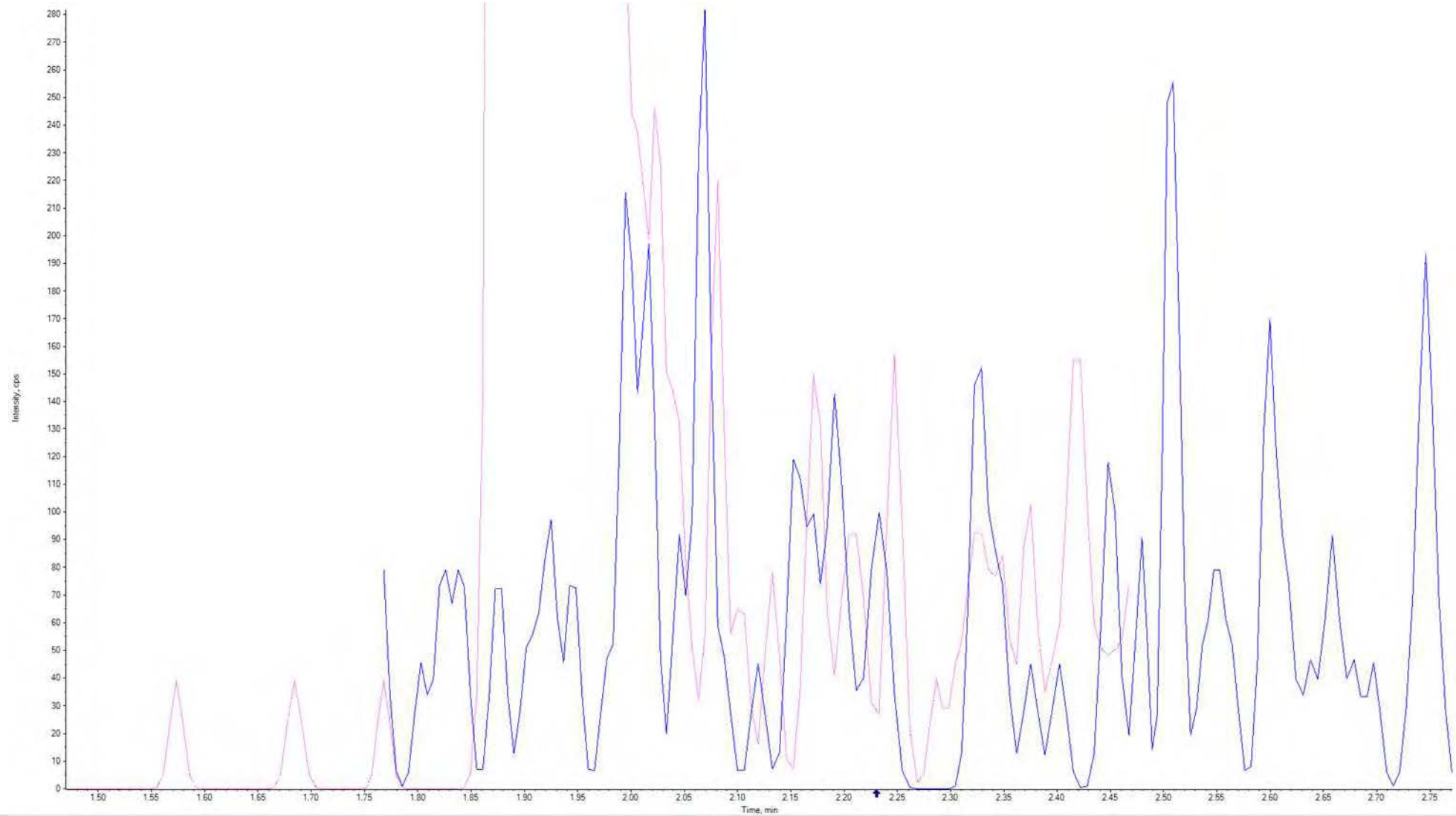
PFEESA
Sample: L2512368-19 S/N:N/A Points Across peak:N/A



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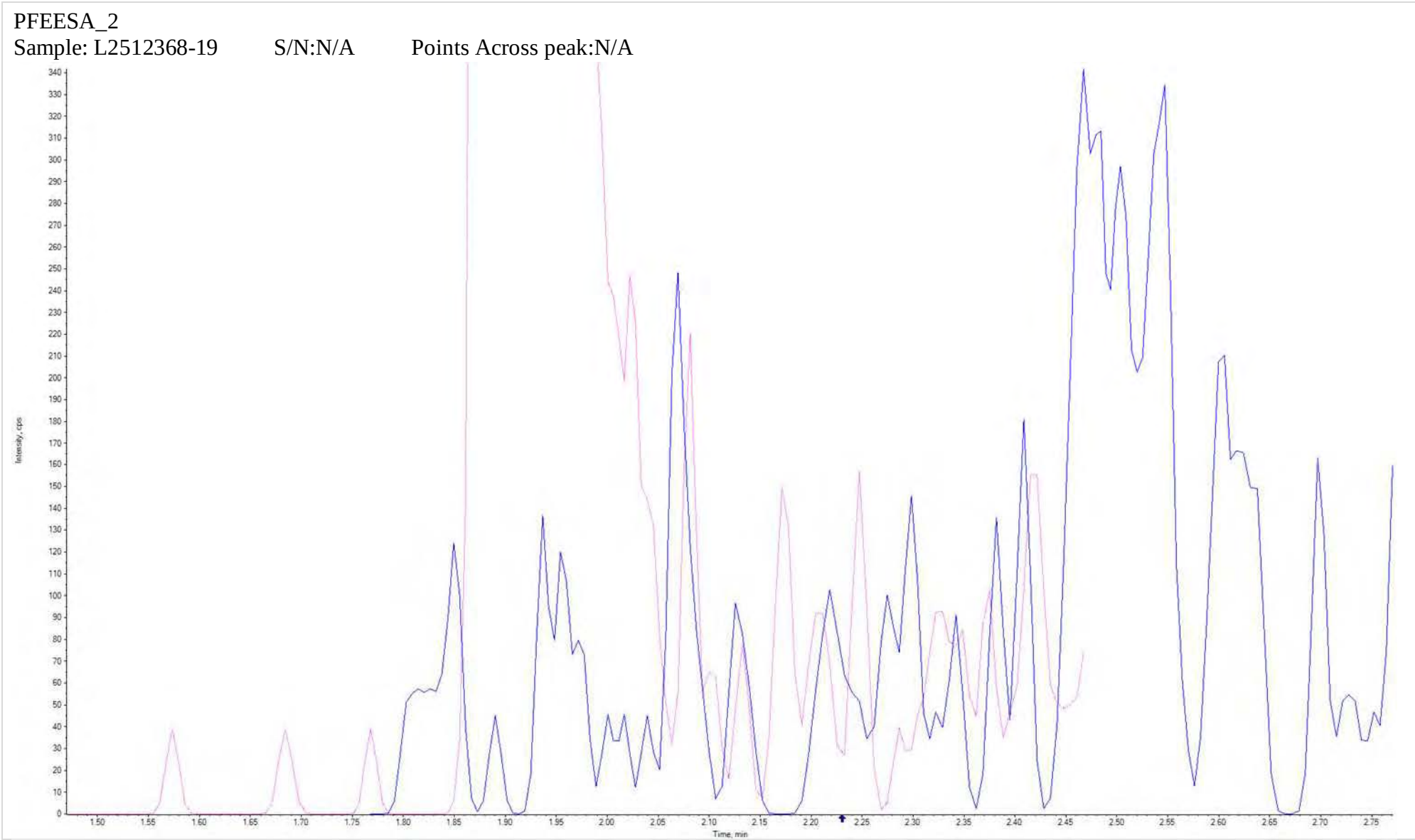
PFEESA_2
Sample: L2512368-19 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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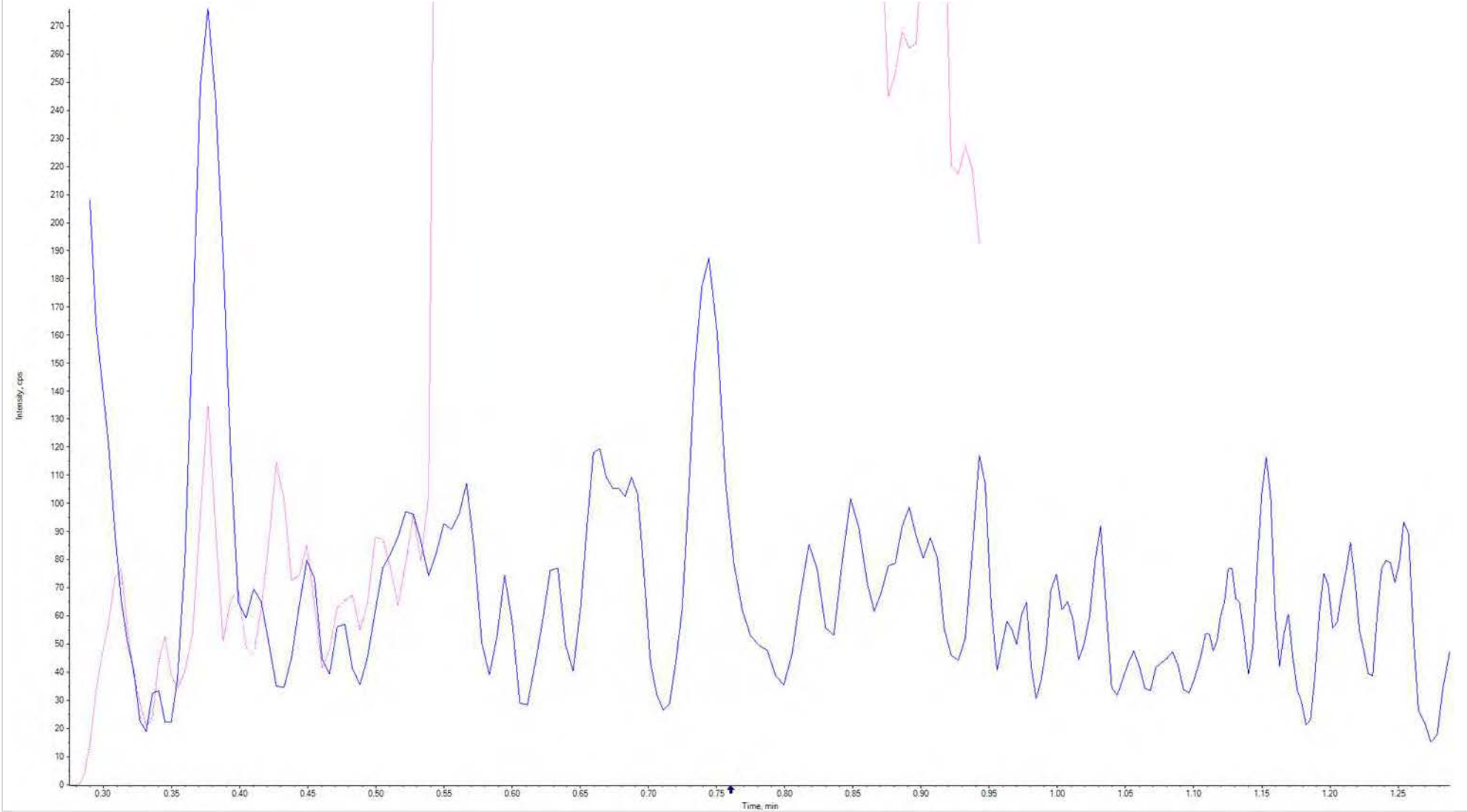
PFMPA
Sample: L2512368-19 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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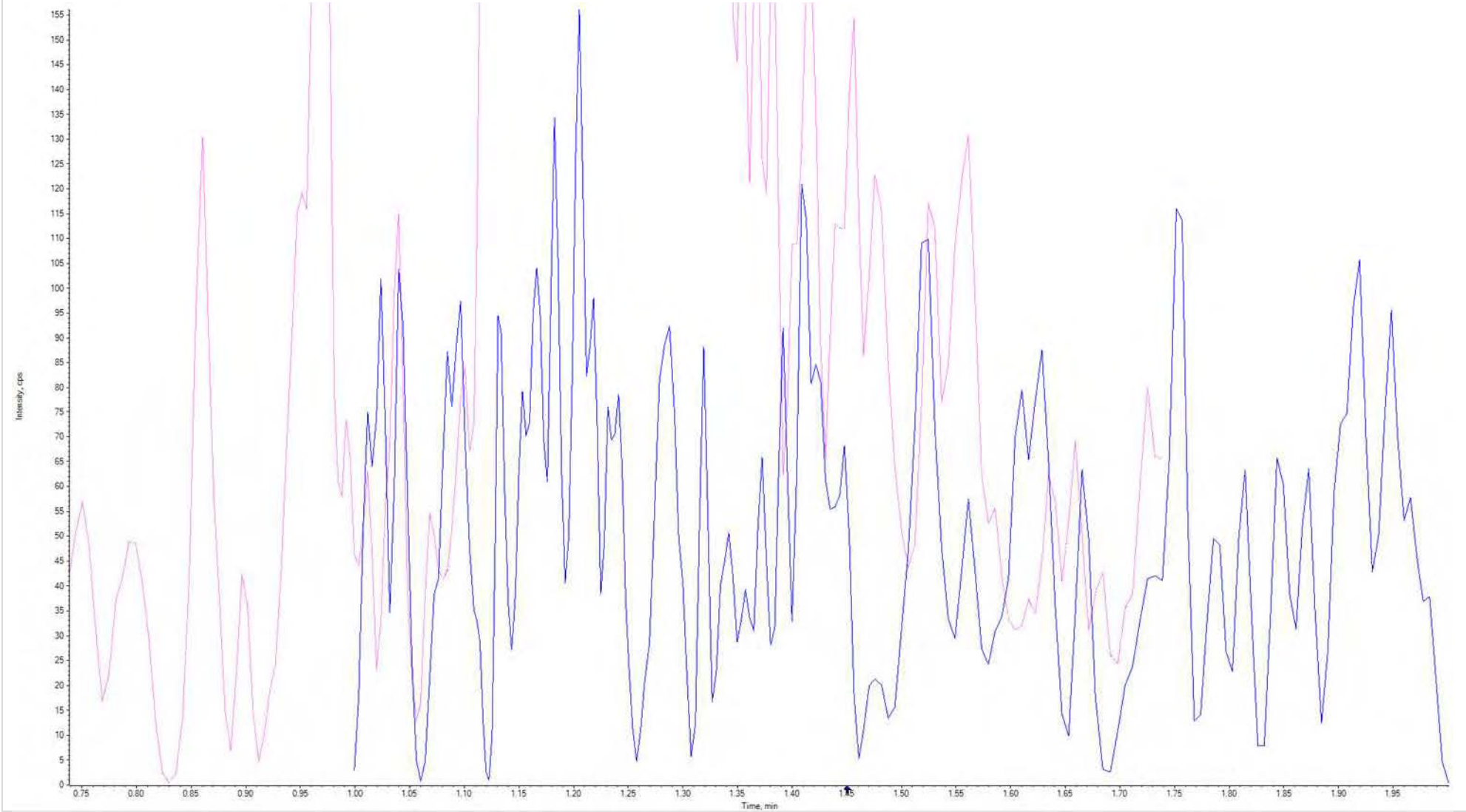
PFMBA
Sample: L2512368-19 S/N:N/A Points Across peak:N/A



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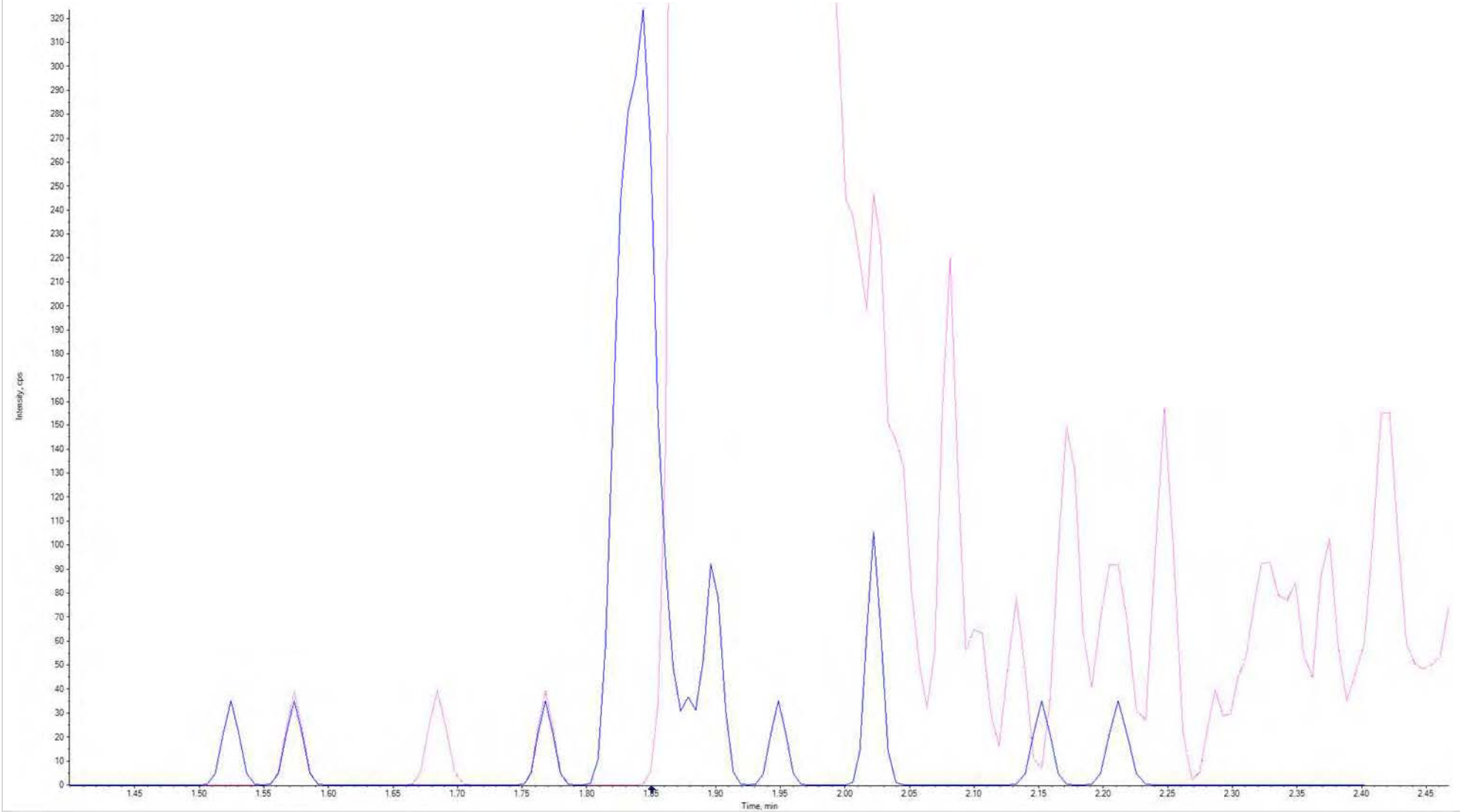
NFDHA
Sample: L2512368-19 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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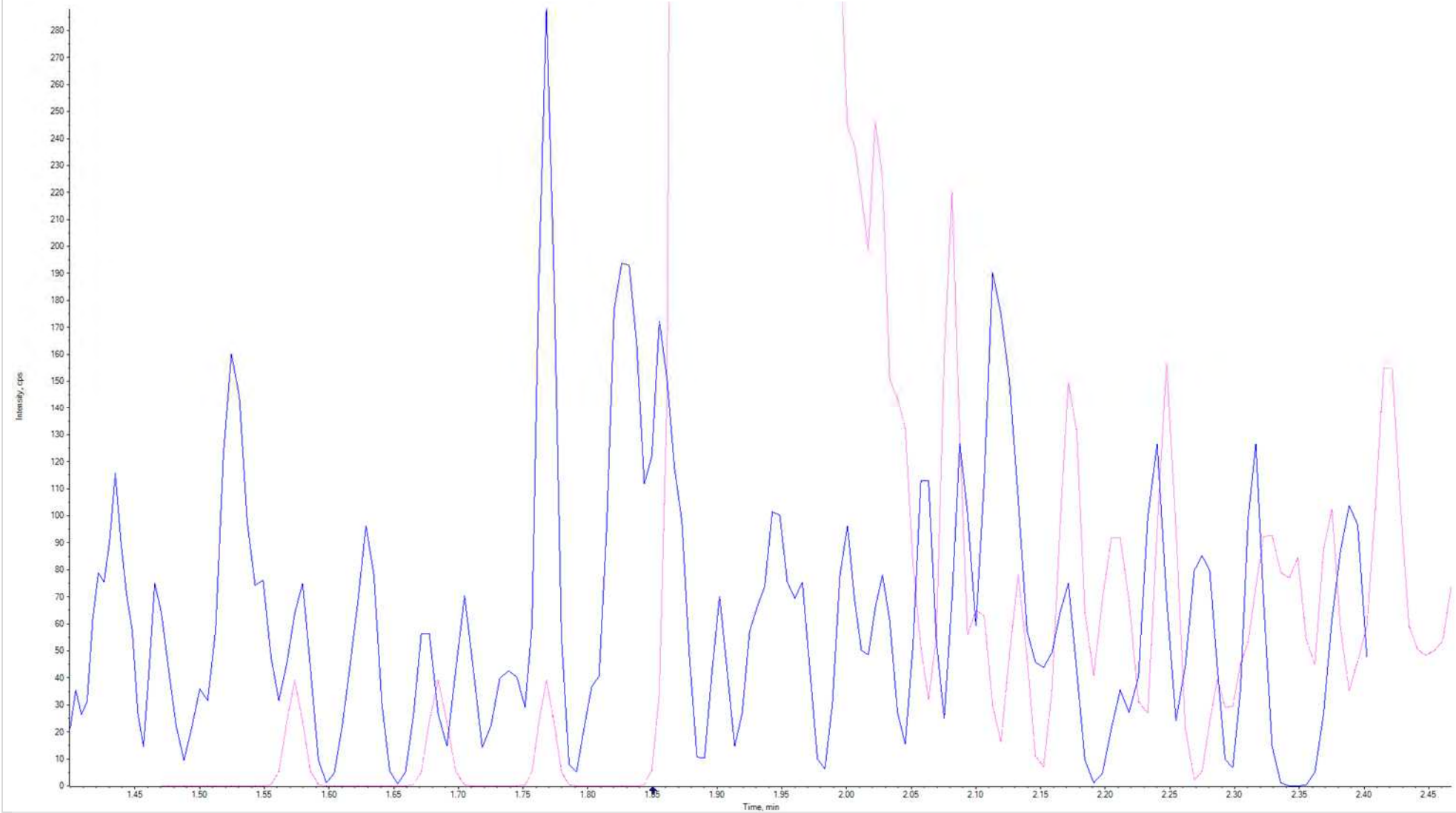
NFDHA_2
Sample: L2512368-19 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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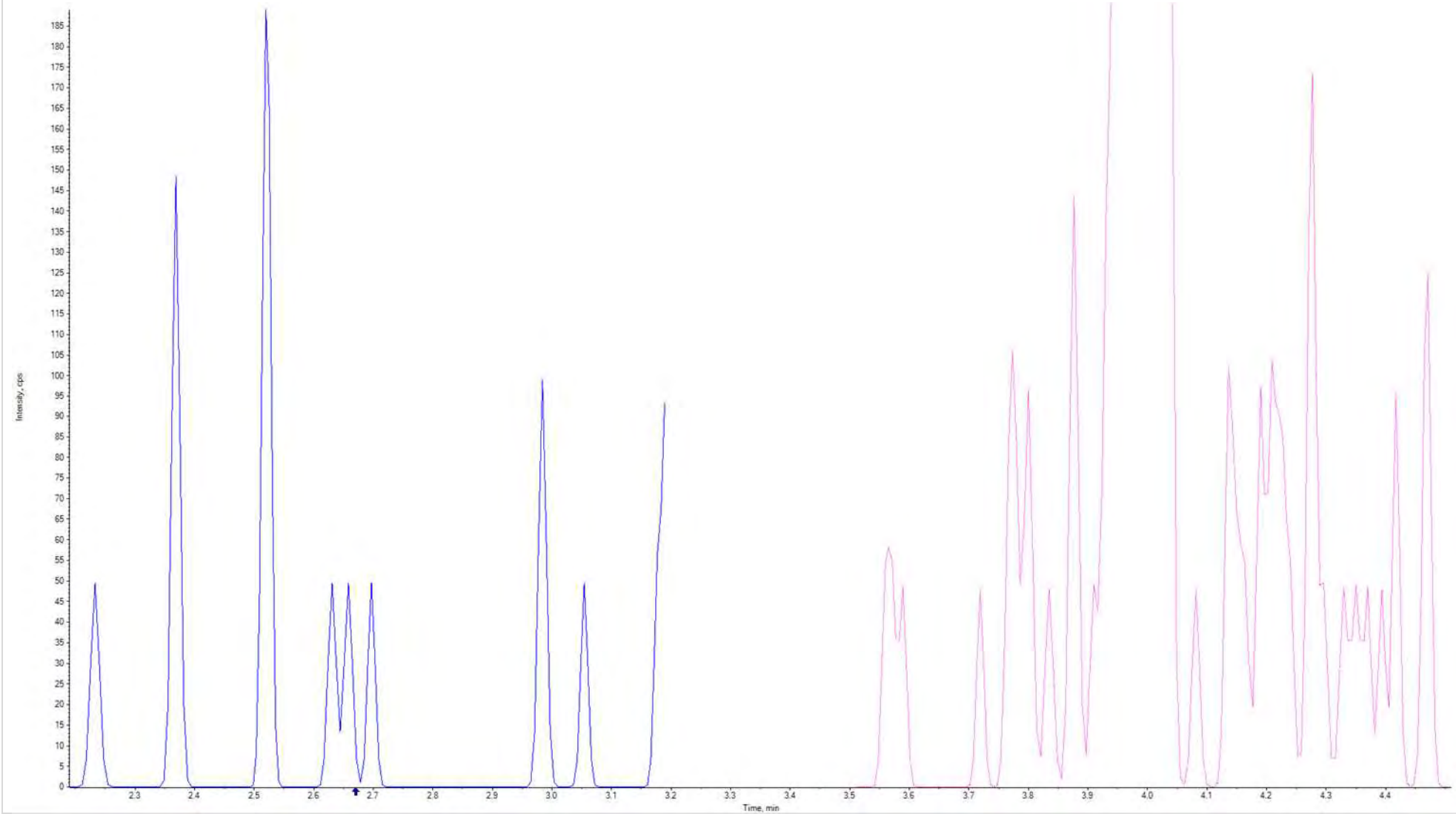
TDCA
Sample: L2512368-19 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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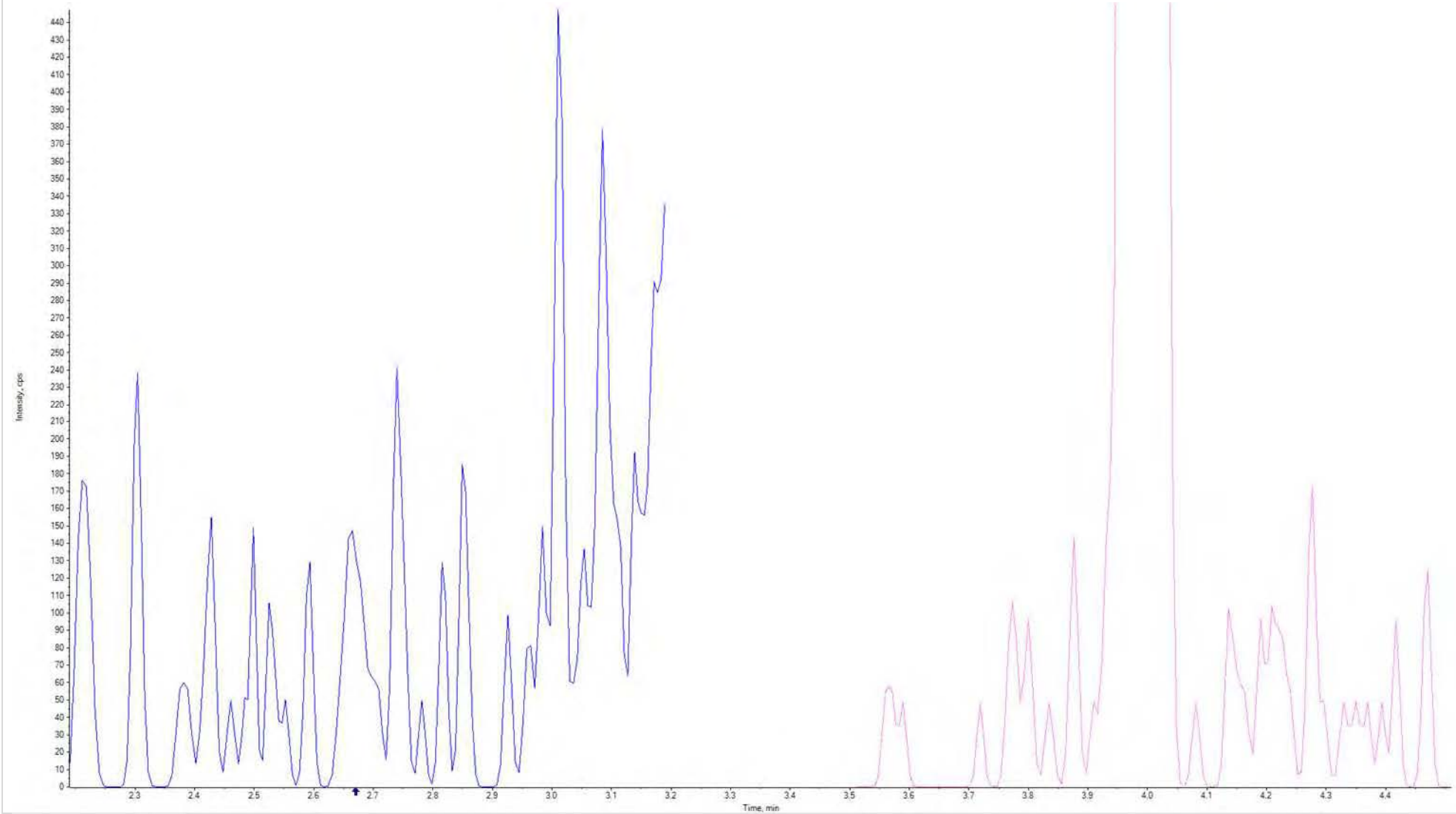
TDCA_2
Sample: L2512368-19 S/N:N/A Points Across peak:N/A



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Last Altered: 3/11/2025 2:07:22 PM
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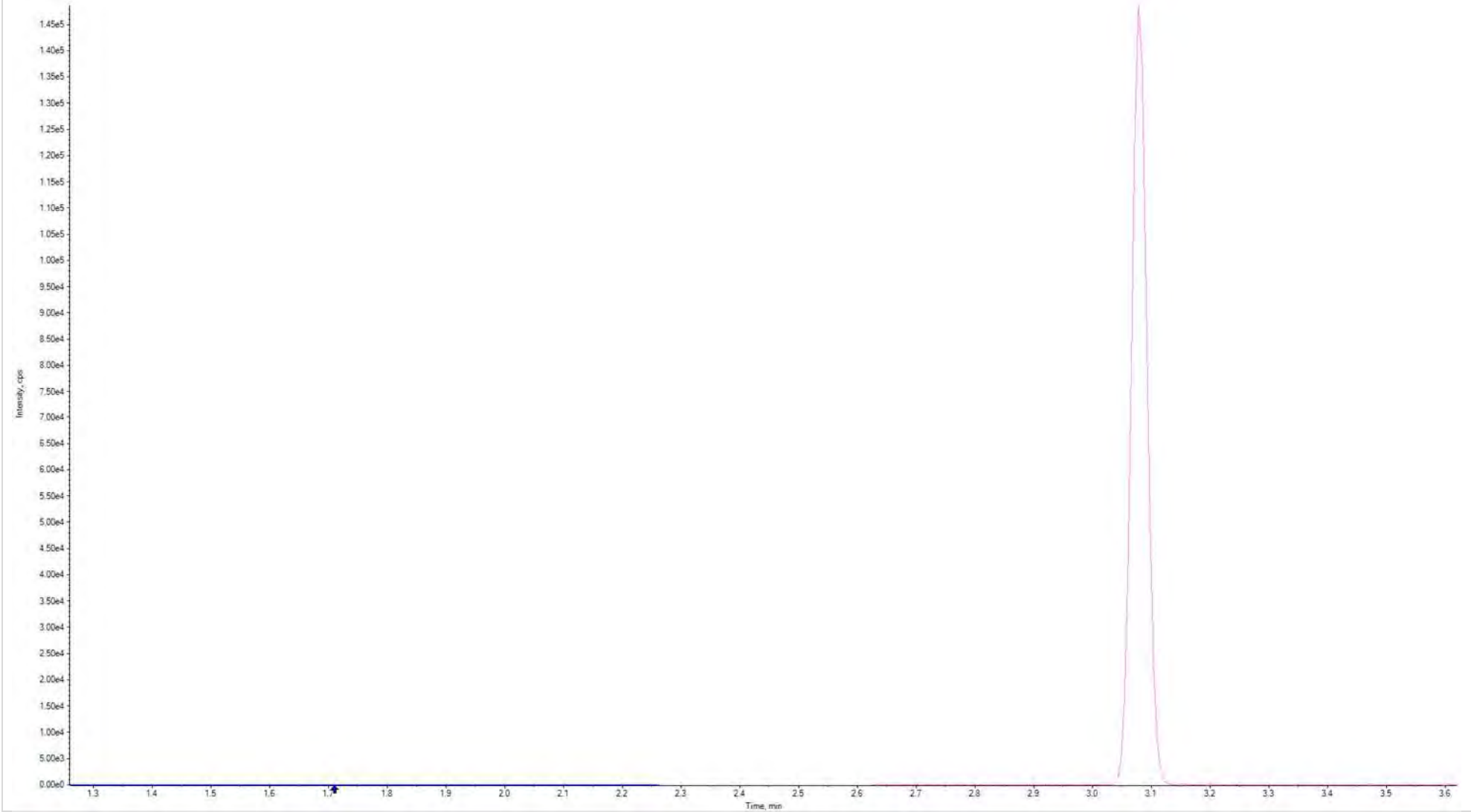
13C2D4-4:2FTS
Sample: L2512368-19 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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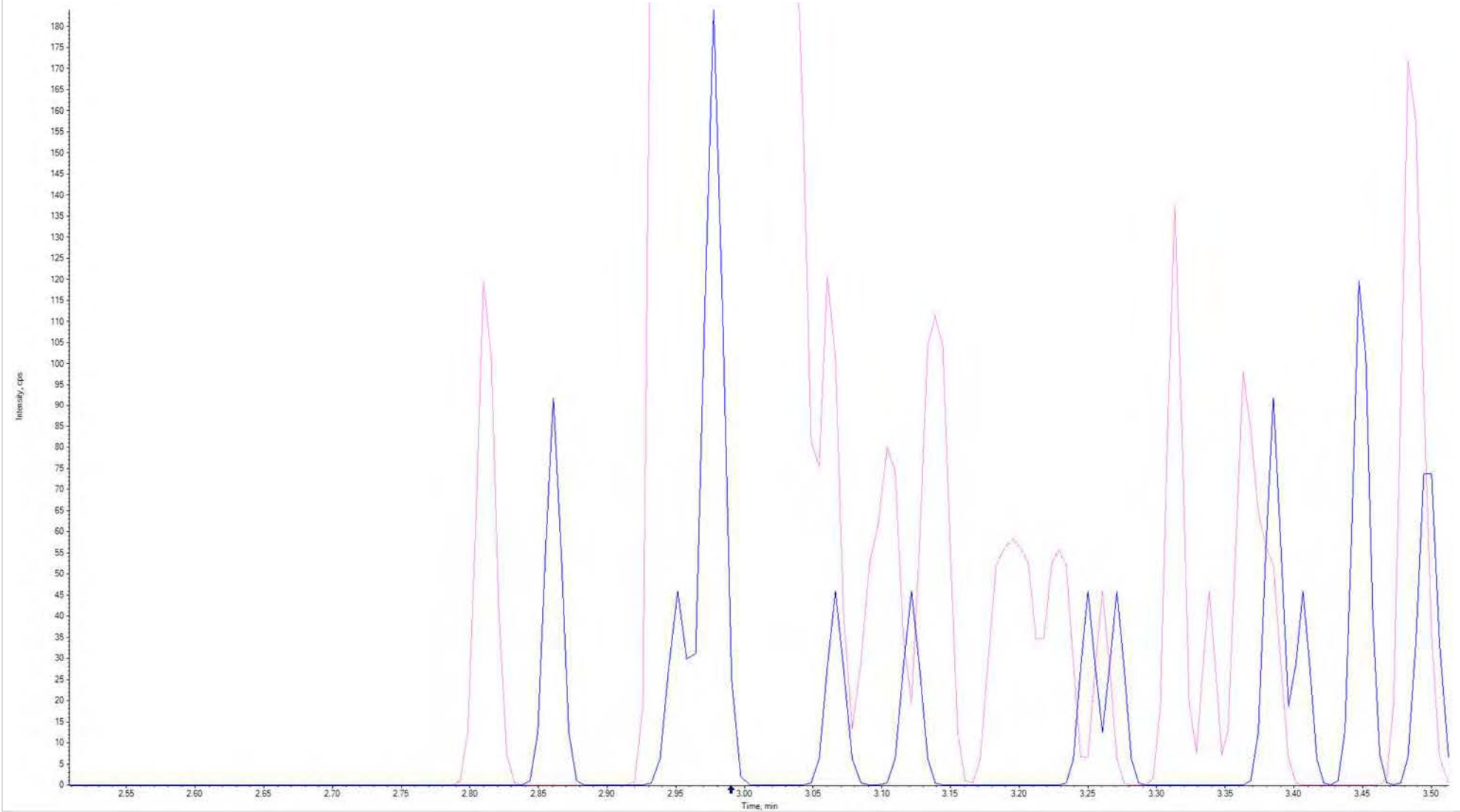
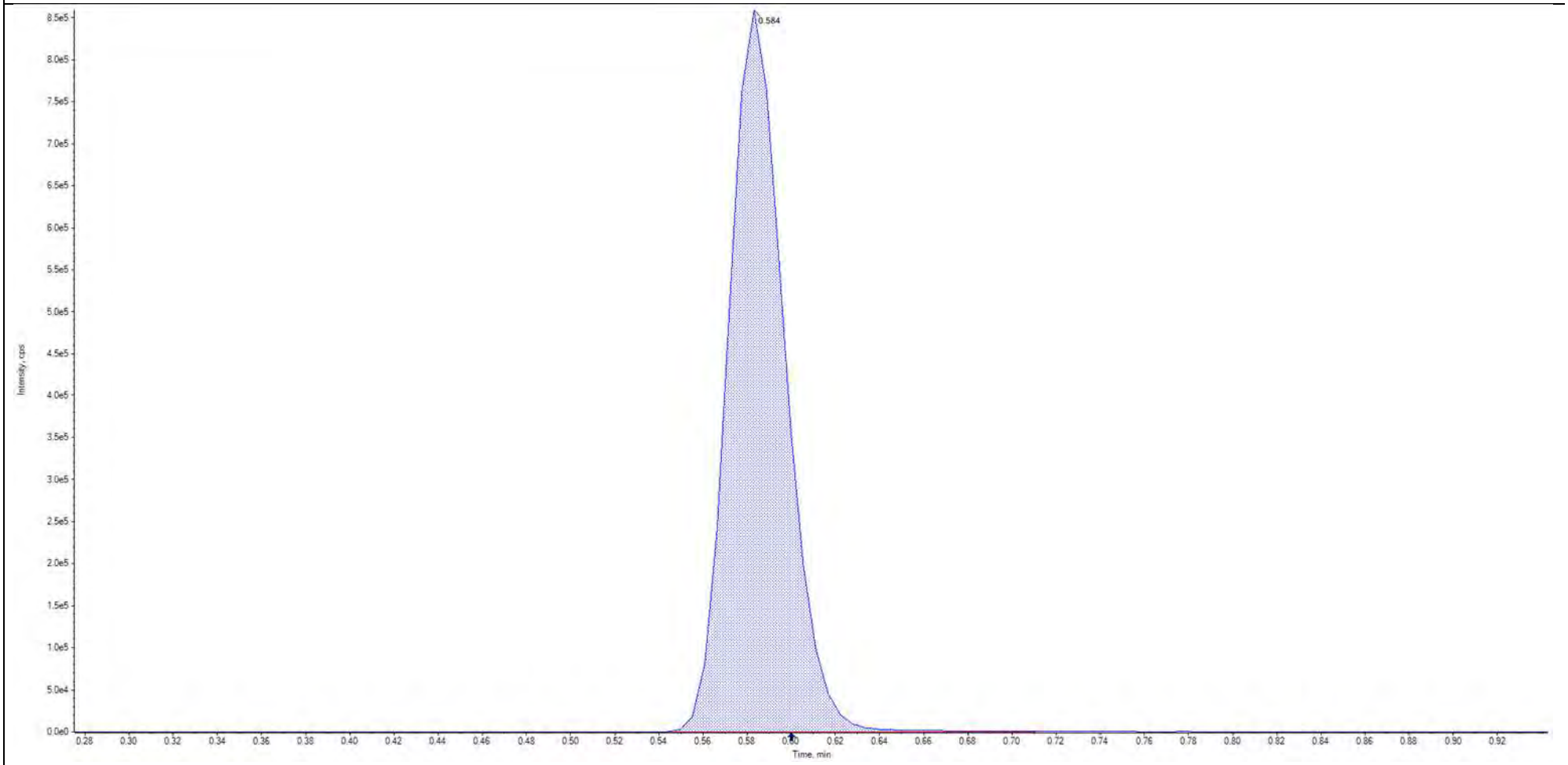
13C2-PFOA
Sample: L2512368-19 S/N:N/A Points Across peak:N/A



13C4-PFBA
Sample: L2512368-19



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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13C5-PFPeA
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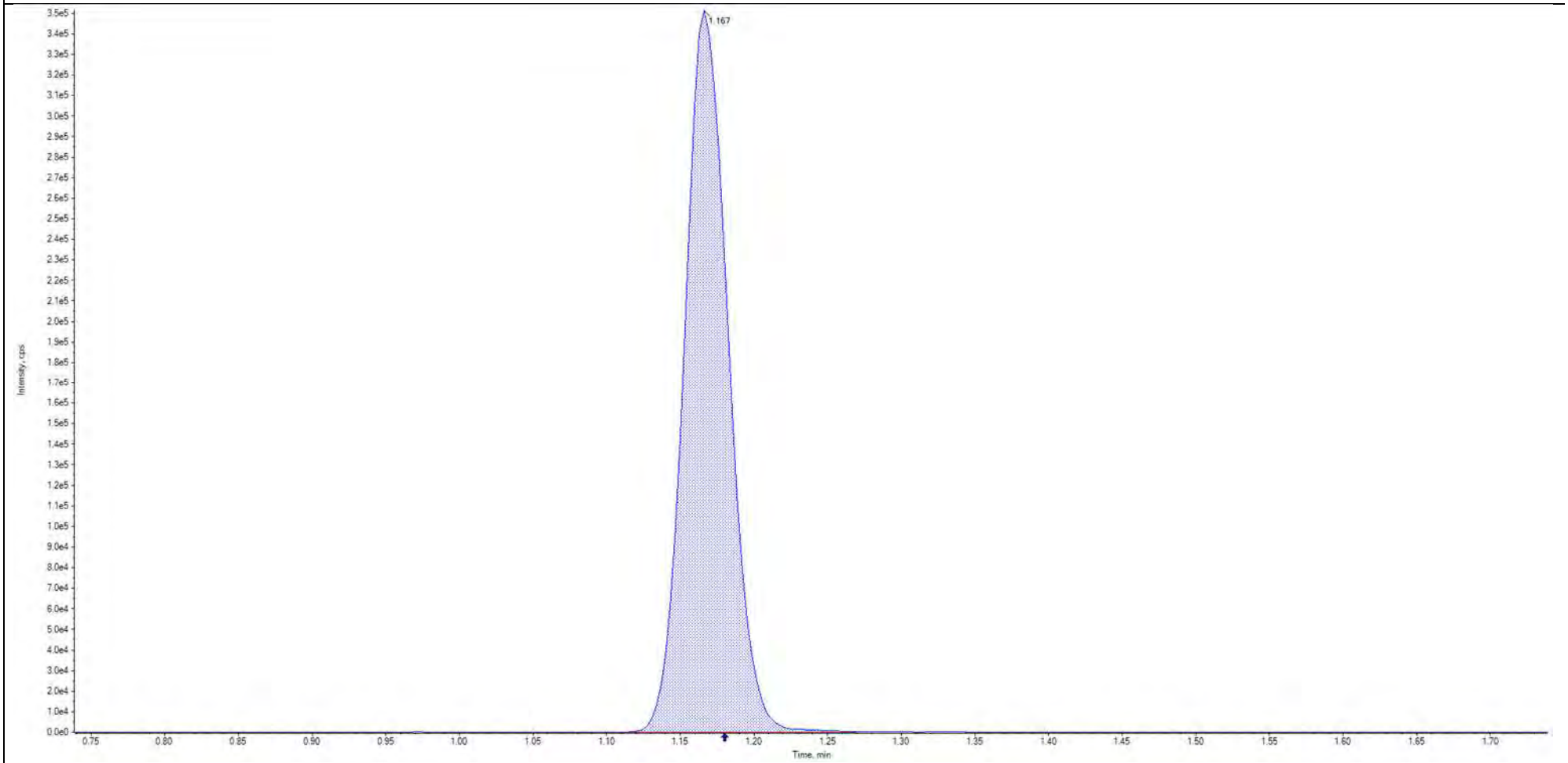
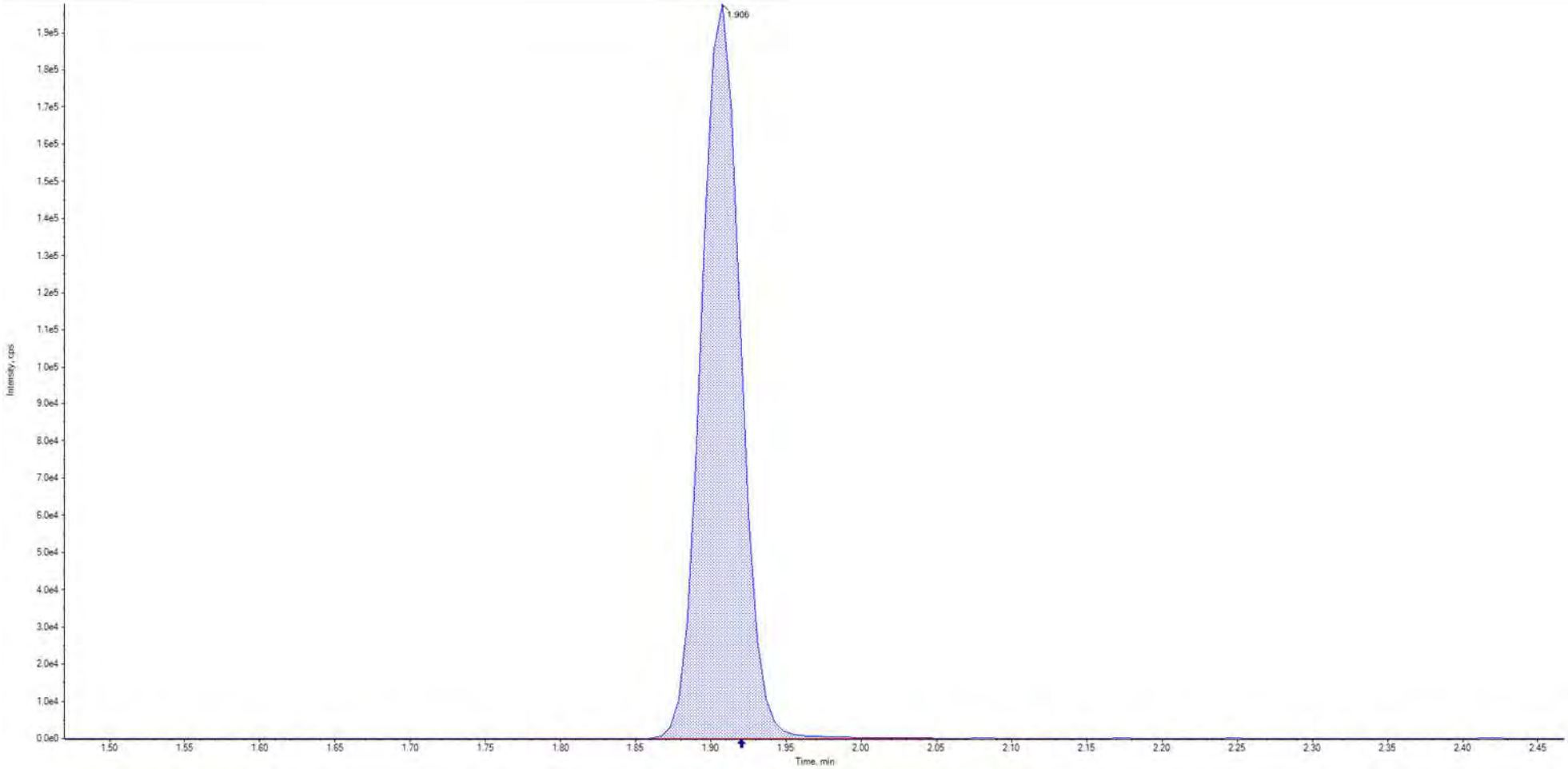


13C5-PFHxA
Sample: L2512368-19



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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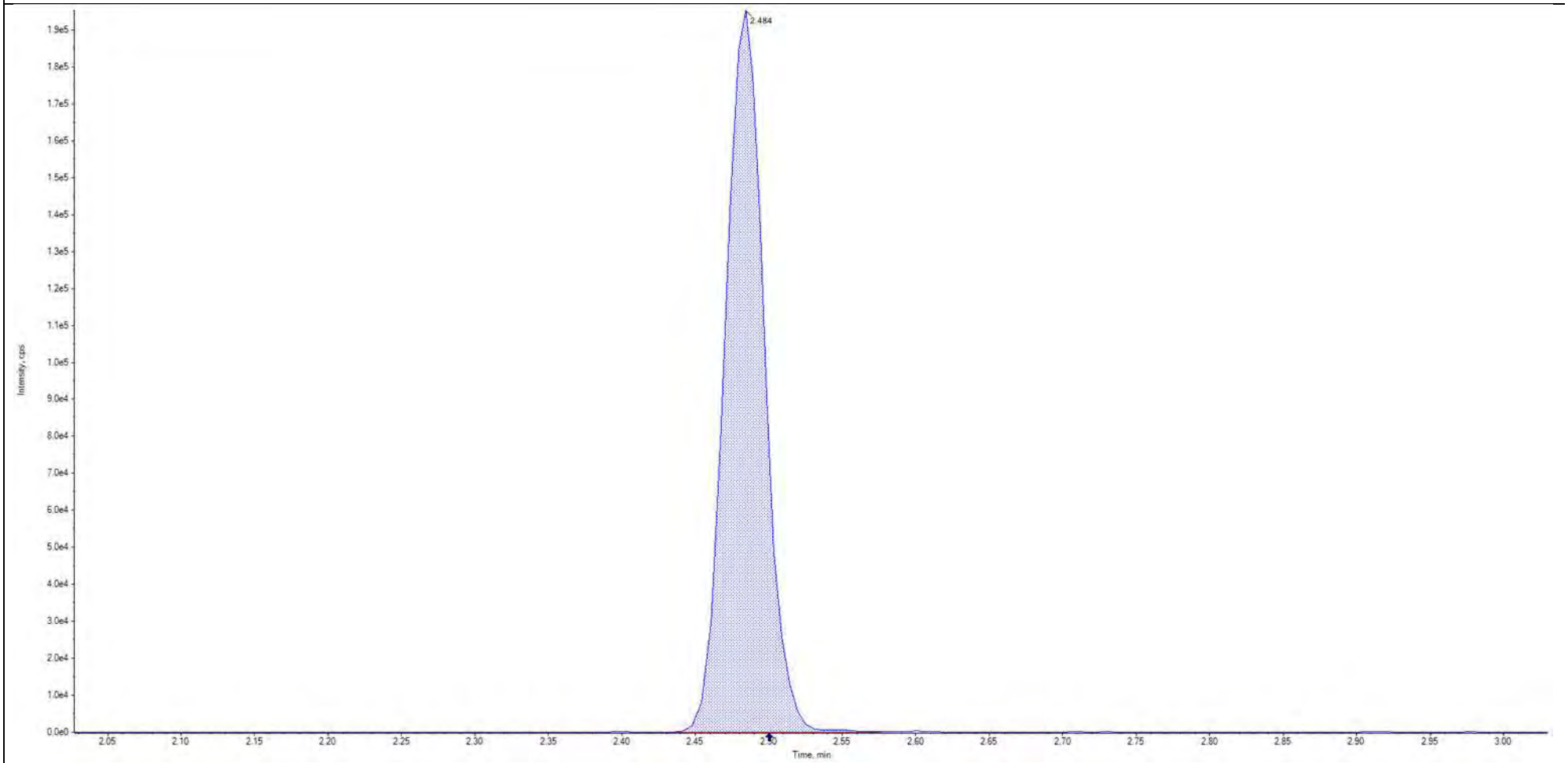
13C4-PFHpA
Sample: L2512368-19



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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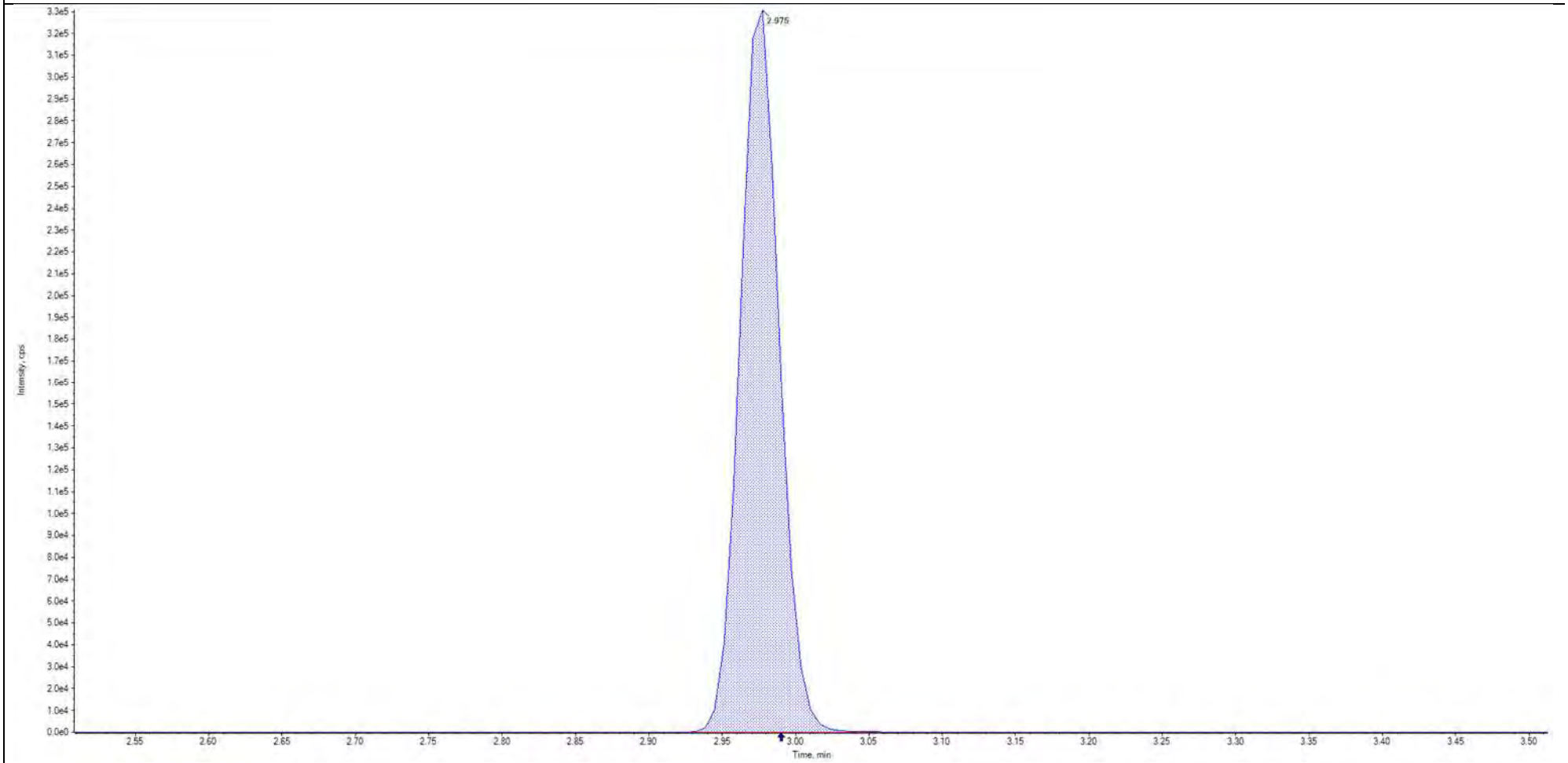
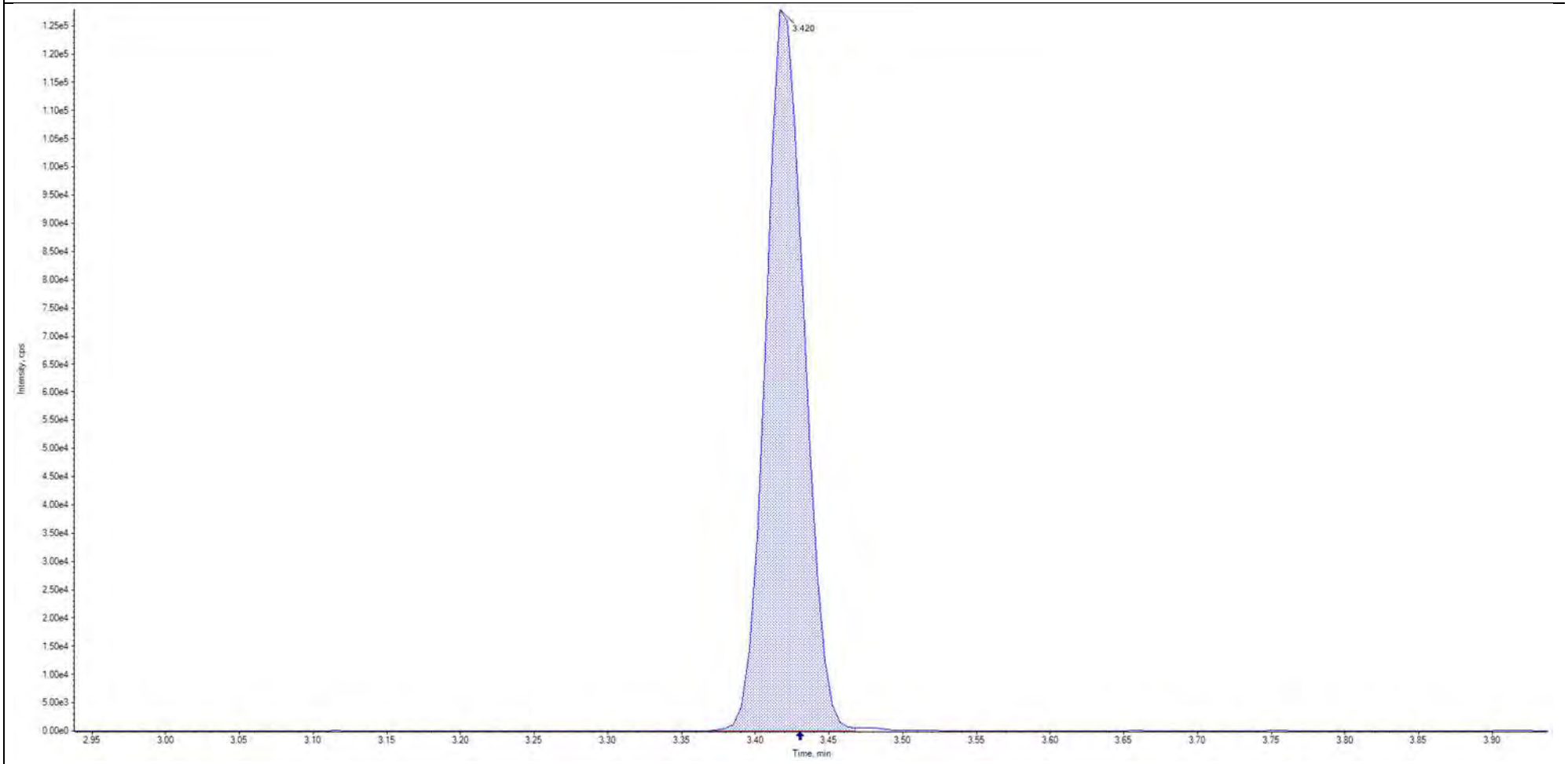
13C8-PFOA
Sample: L2512368-19



13C9-PFNA
Sample: L2512368-19



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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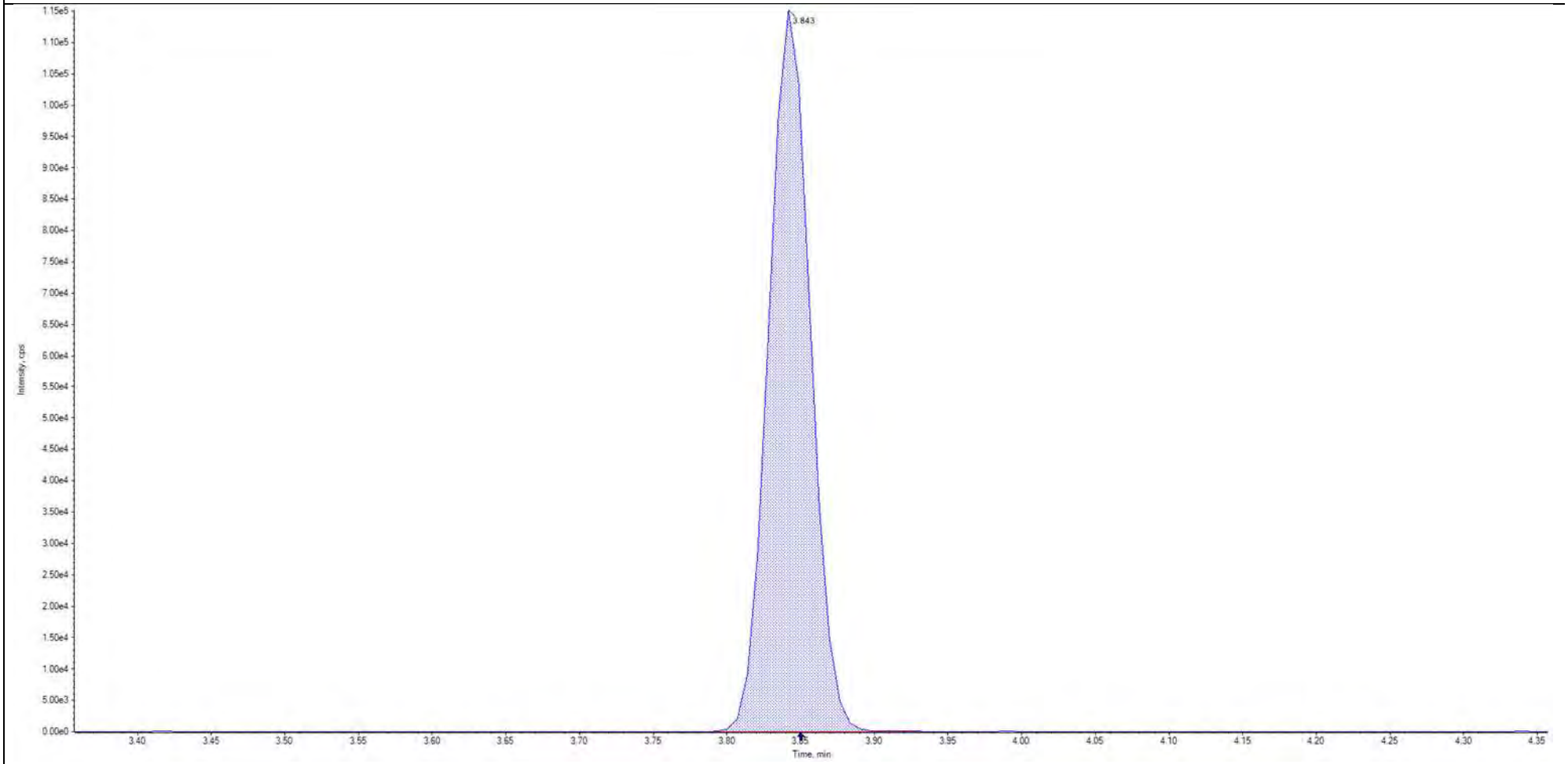
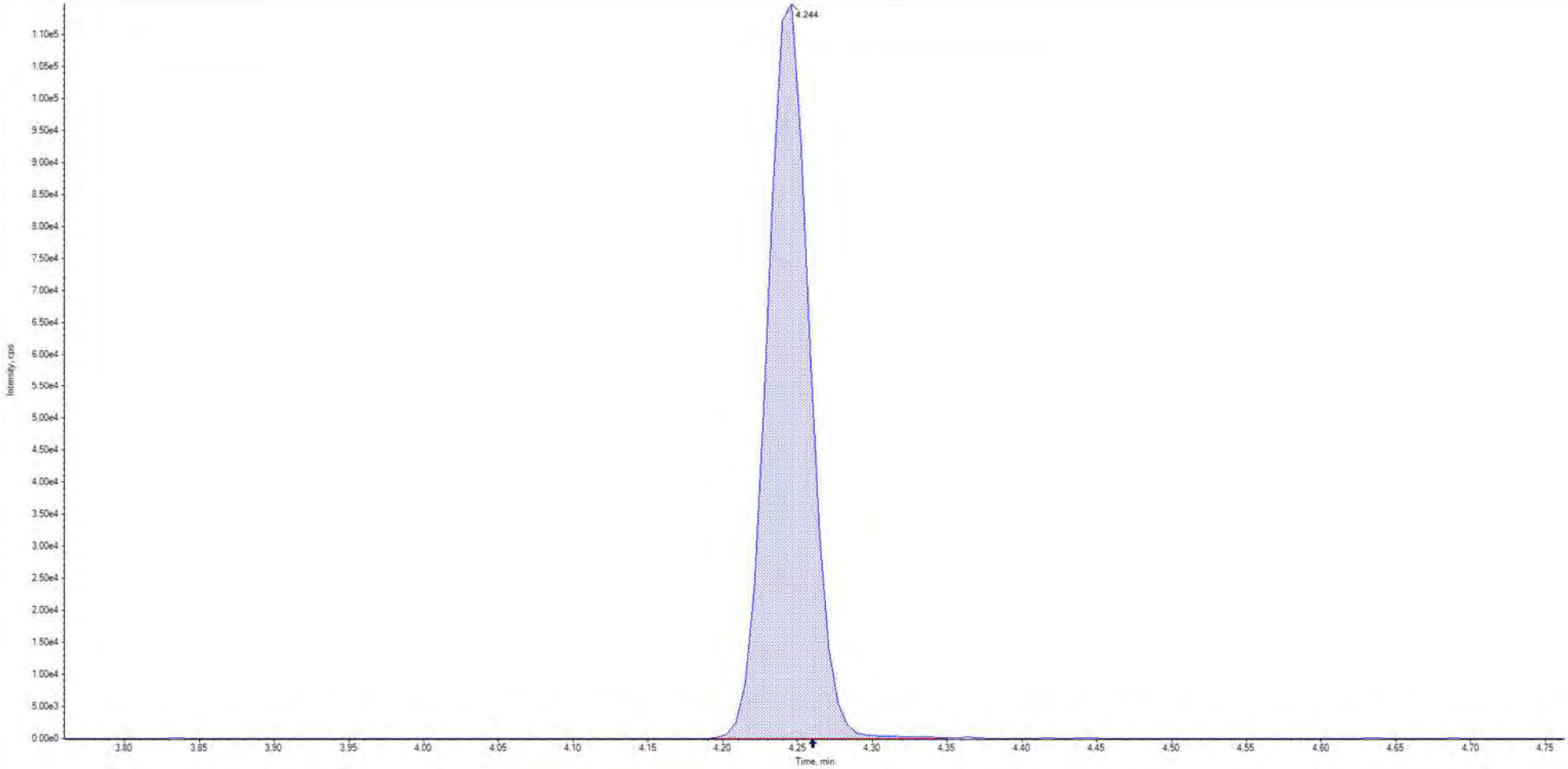
13C6-PFDA
Sample: L2512368-19



13C7-PFUnA
Sample: L2512368-19



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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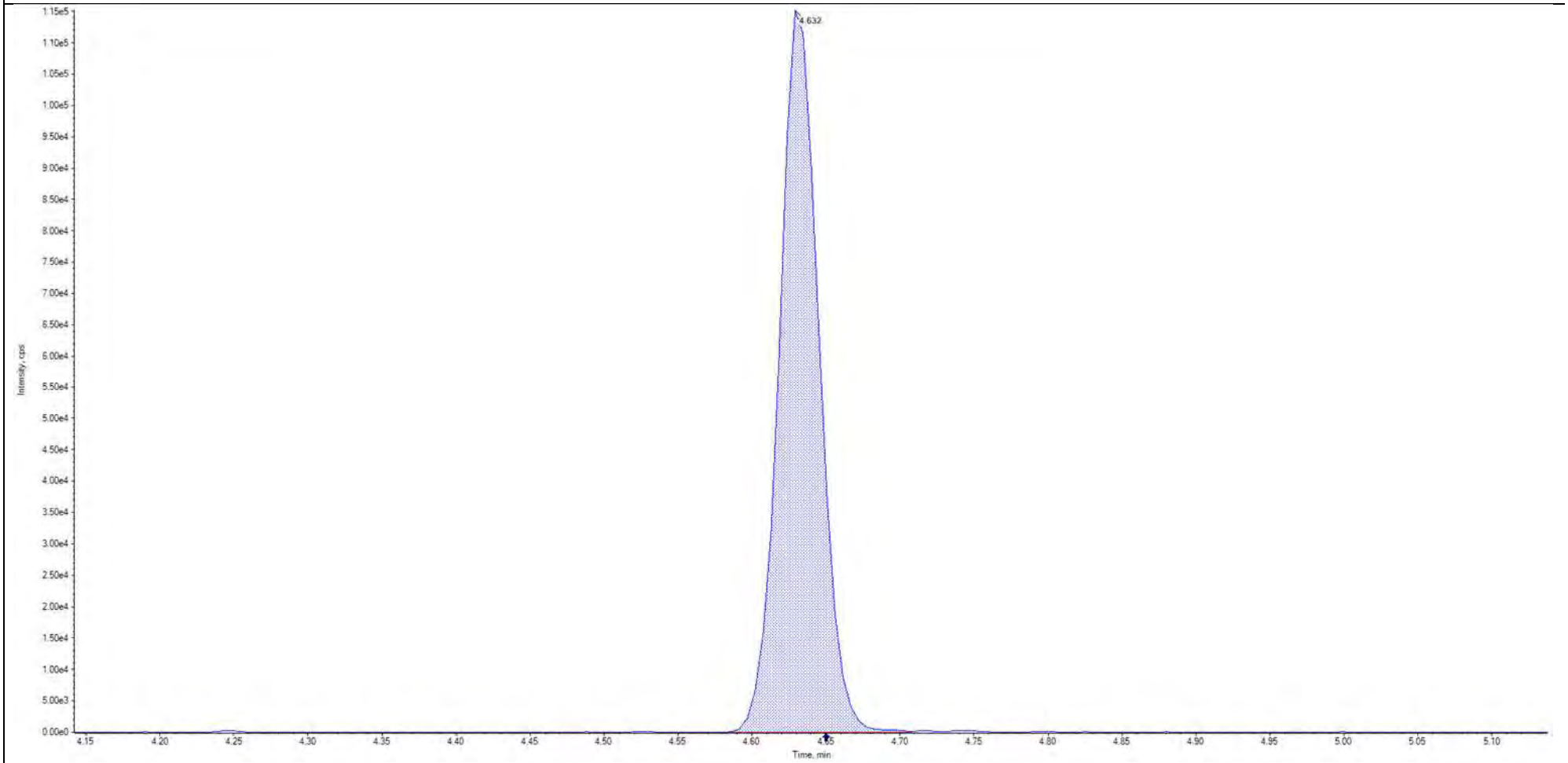
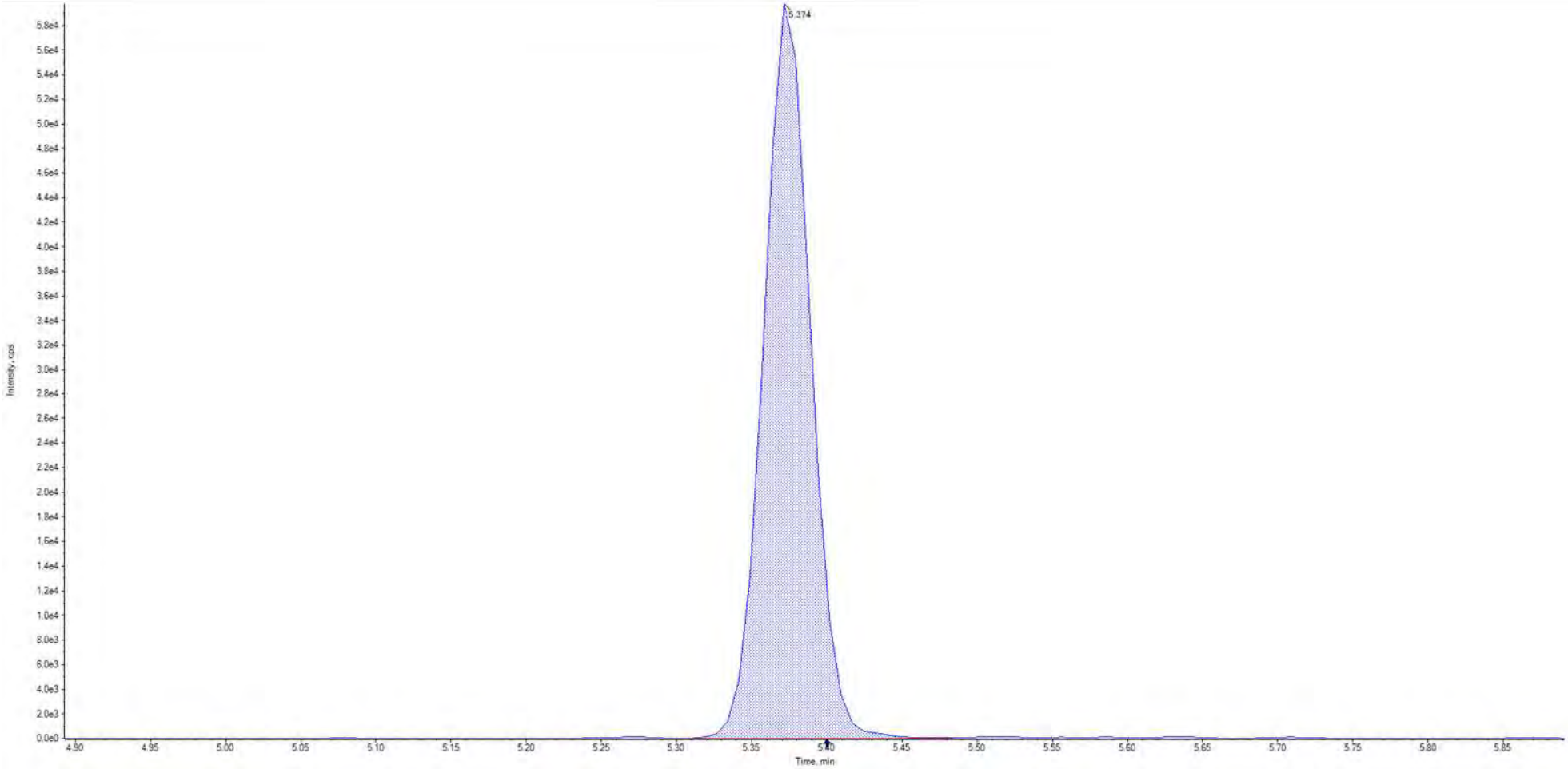
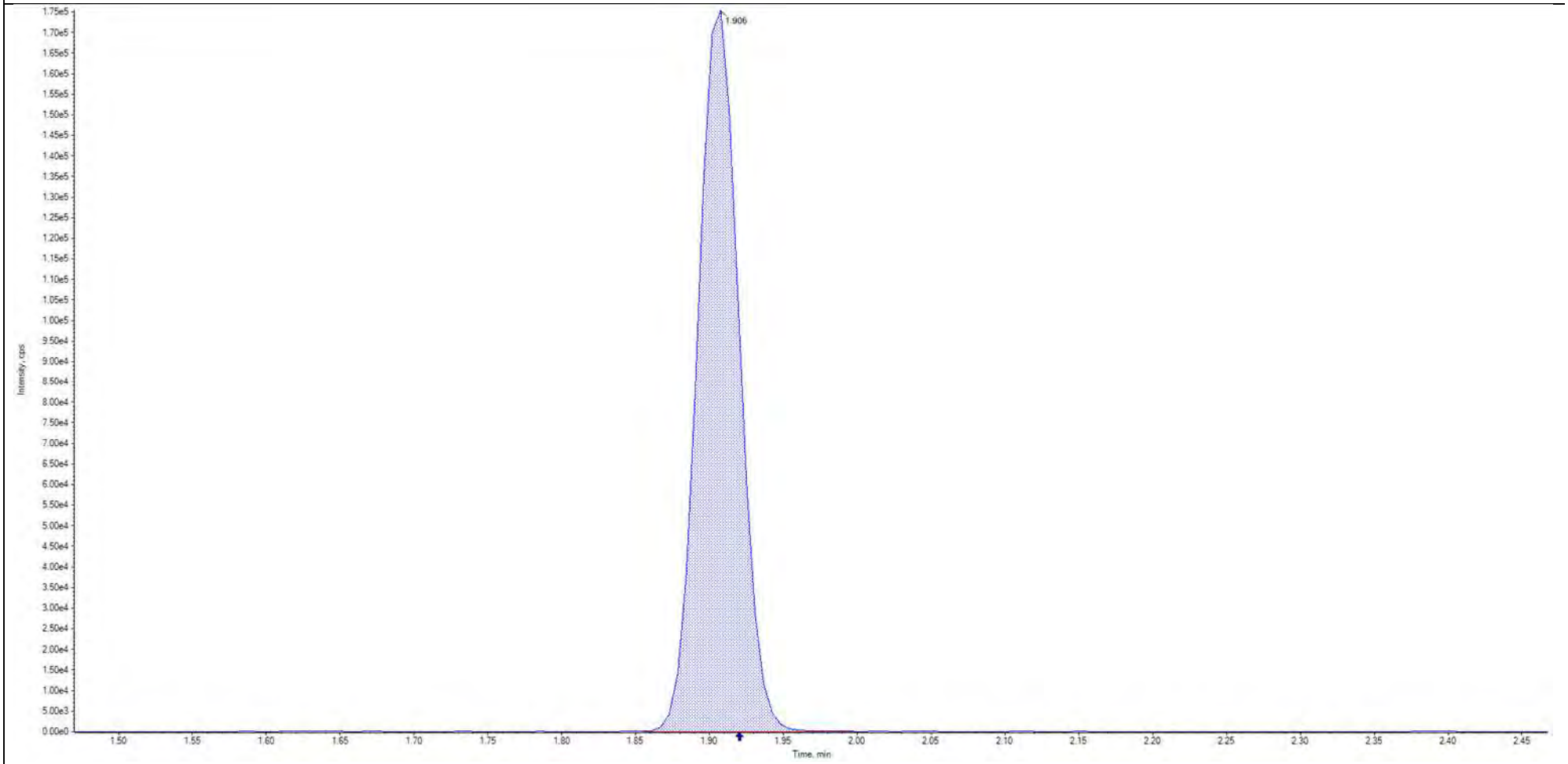
13C2-PFDoA
Sample: L2512368-19



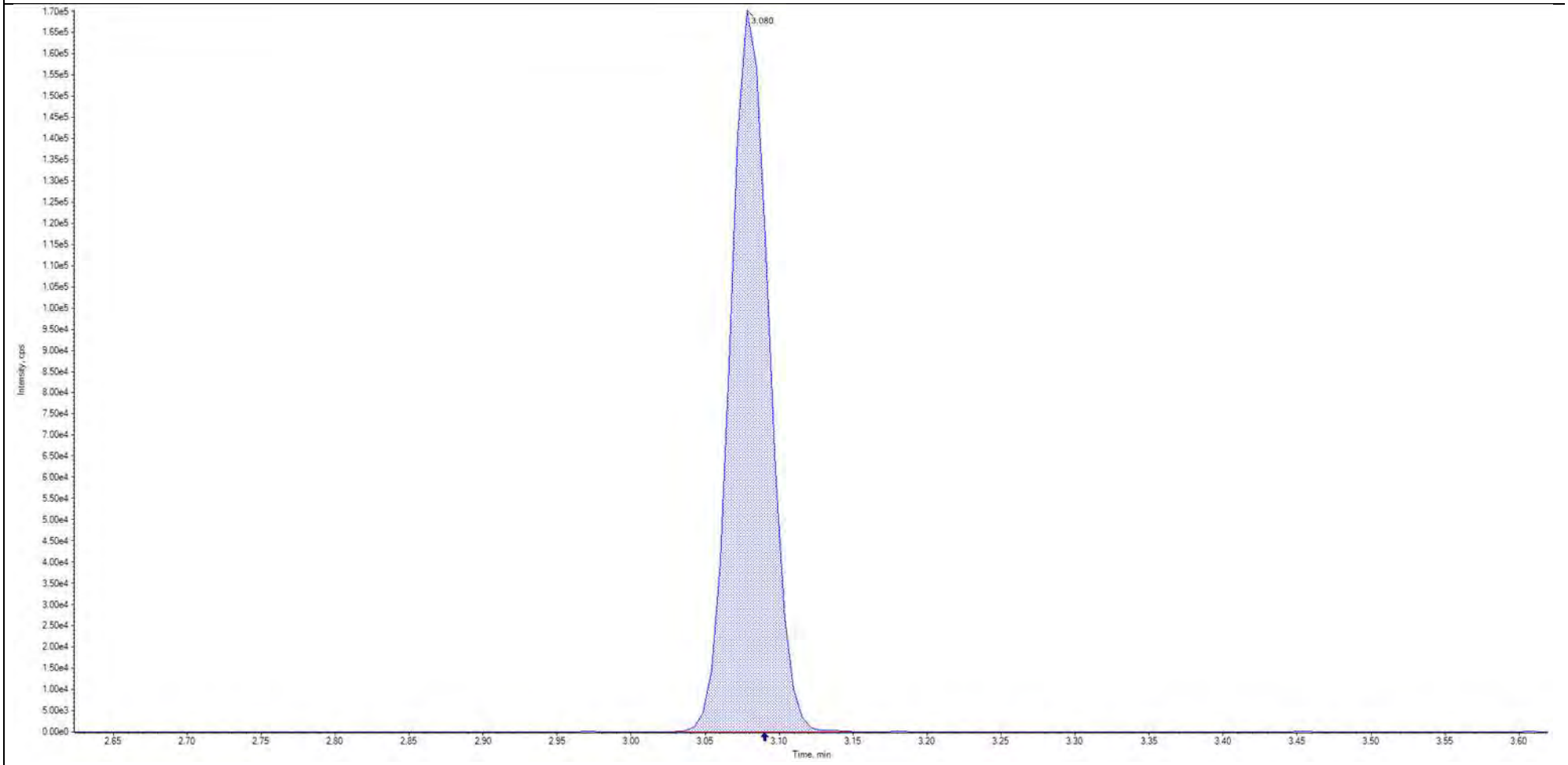
13C2-PFTeDA
Sample: L2512368-19



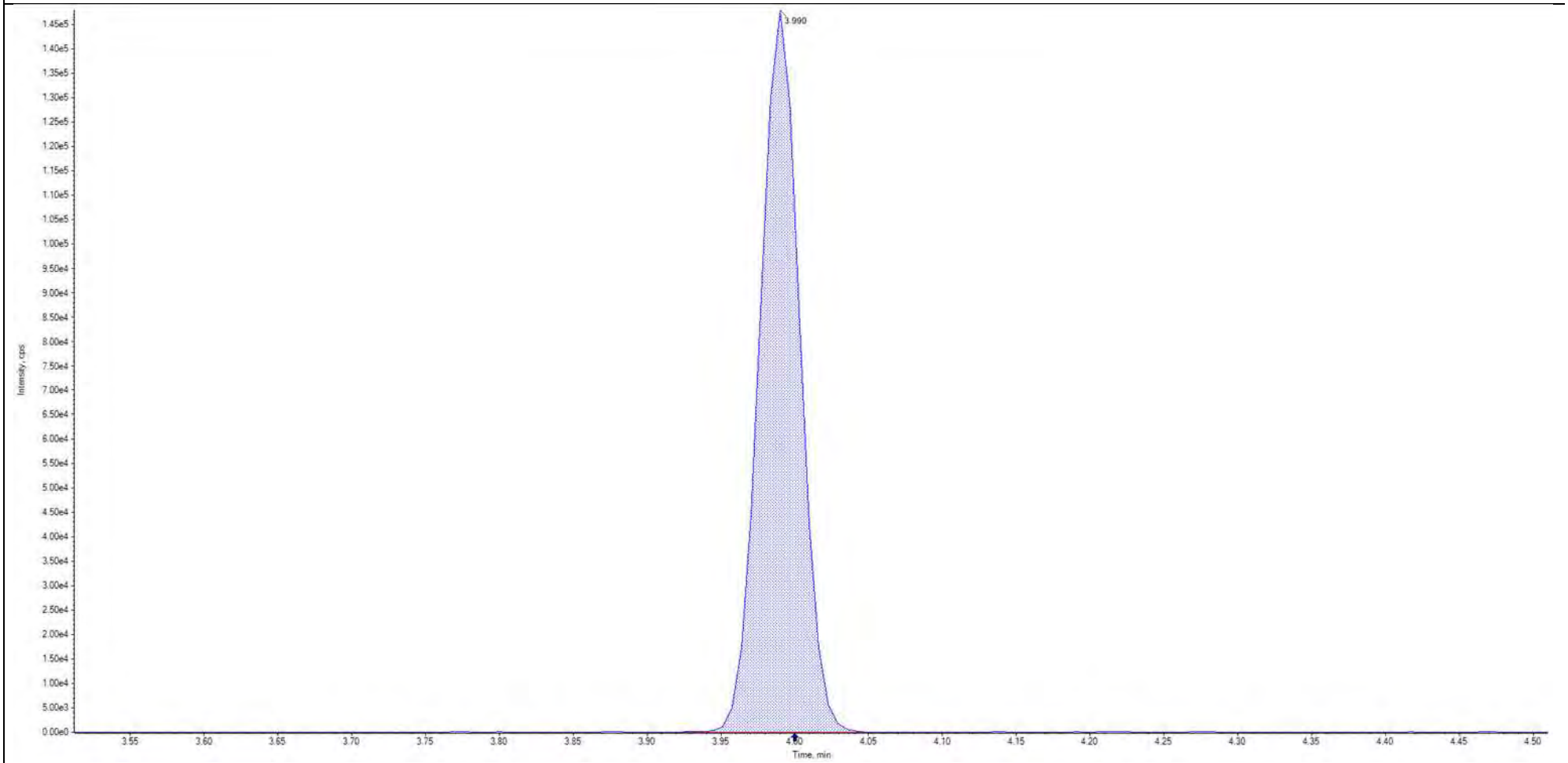
13C3-PFBS
Sample: L2512368-19



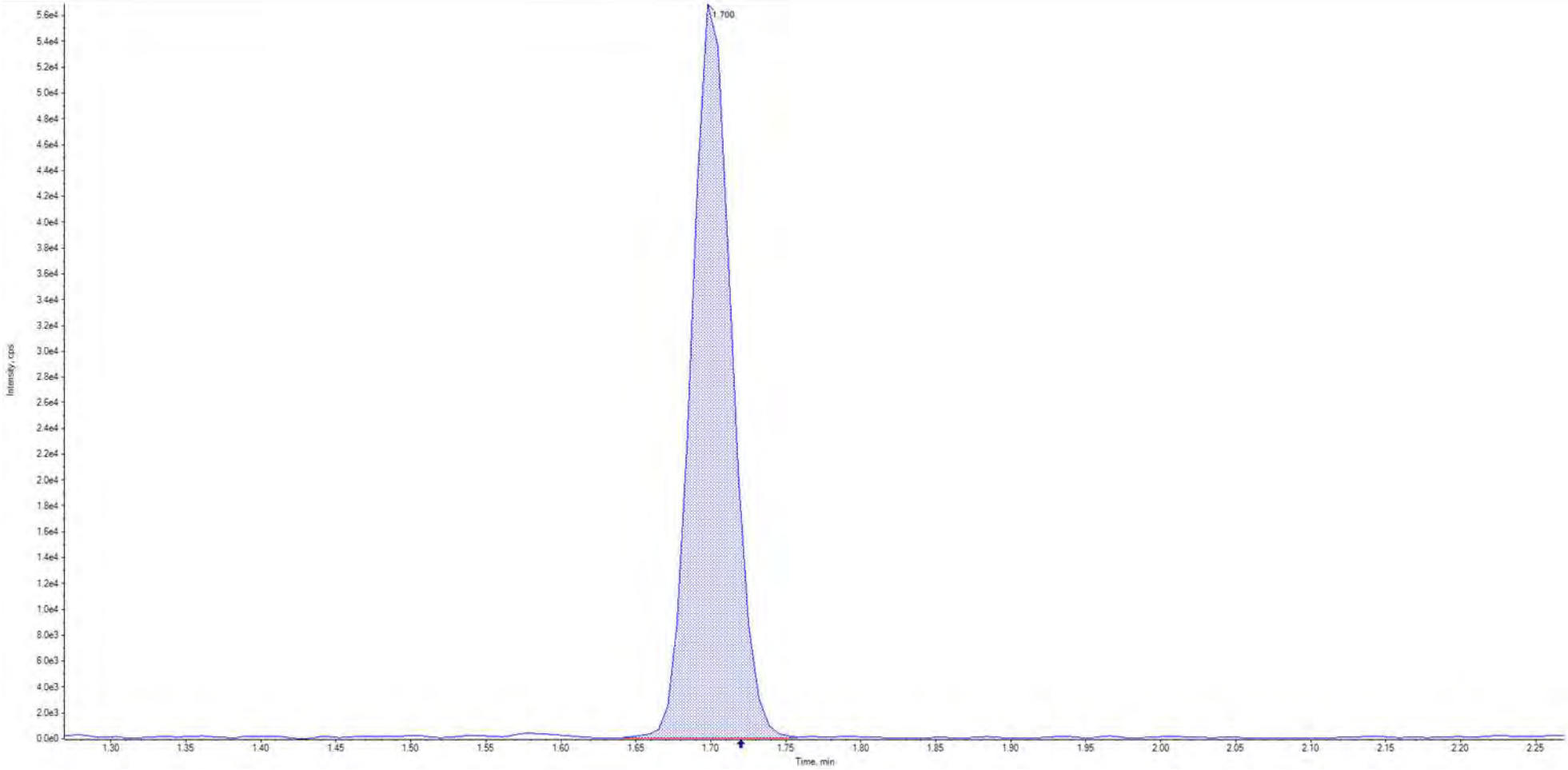
13C3-PFHxS
Sample: L2512368-19



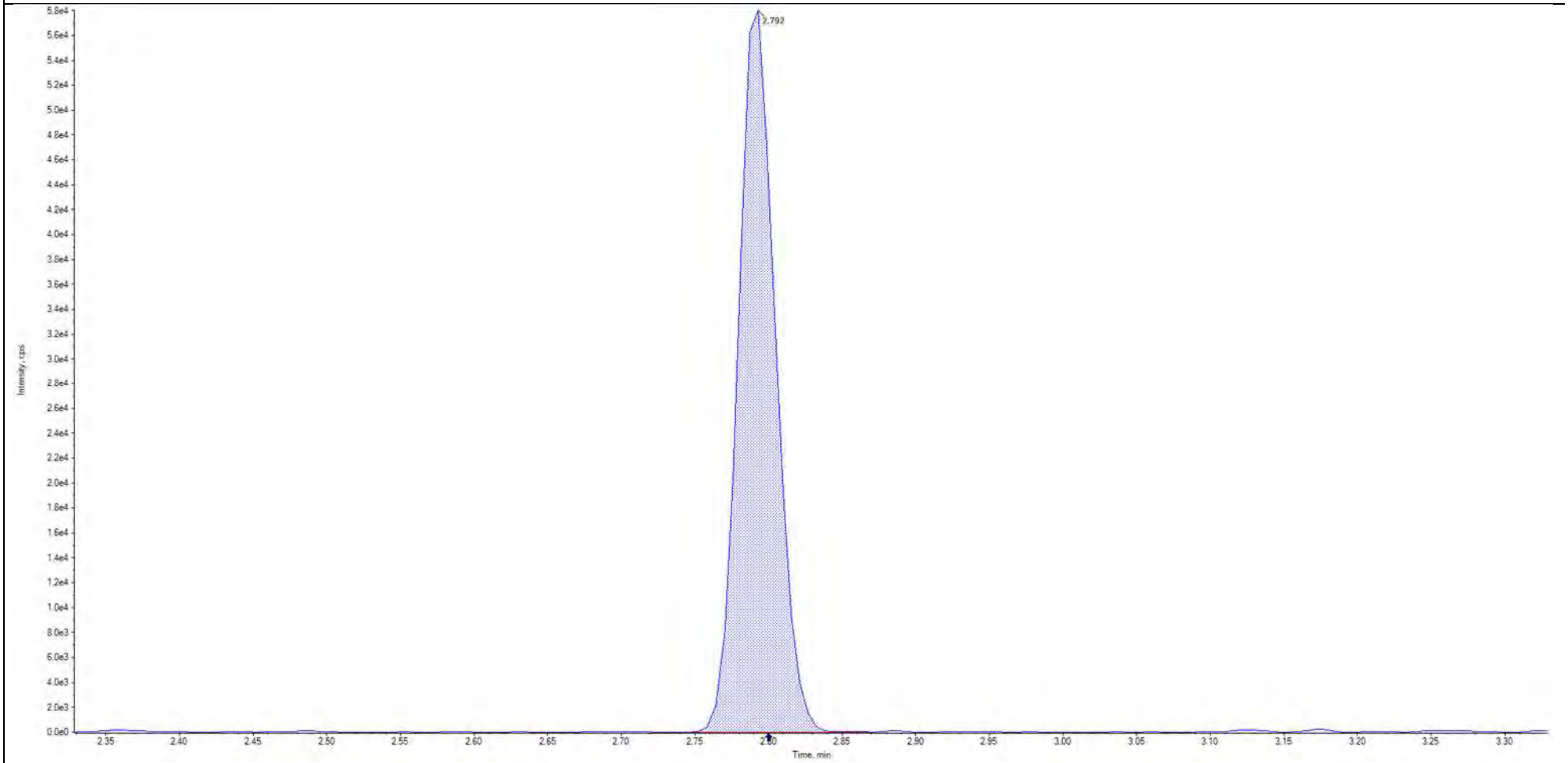
13C8-PFOS
Sample: L2512368-19



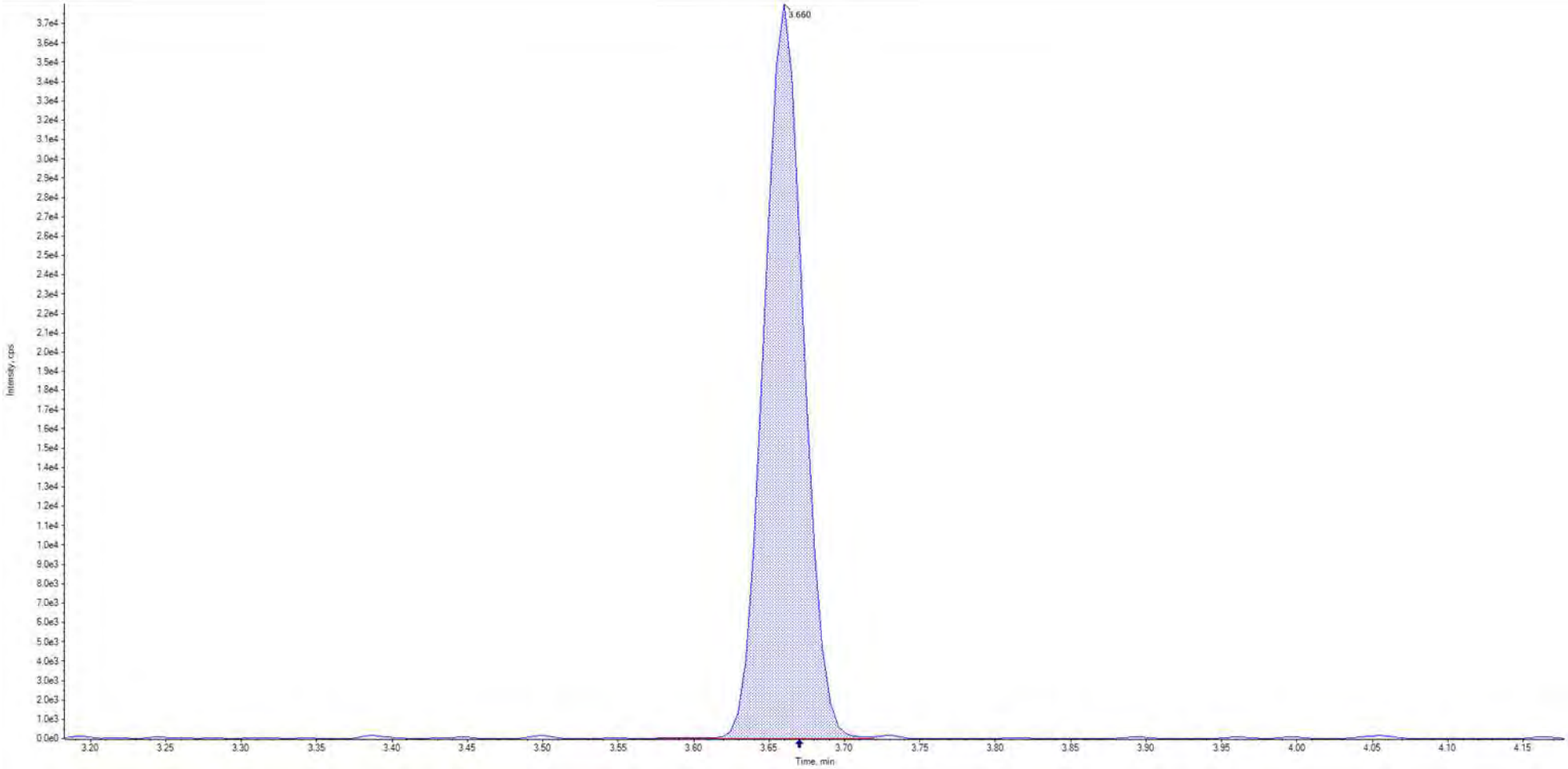
13C2-4:2FTS
Sample: L2512368-19



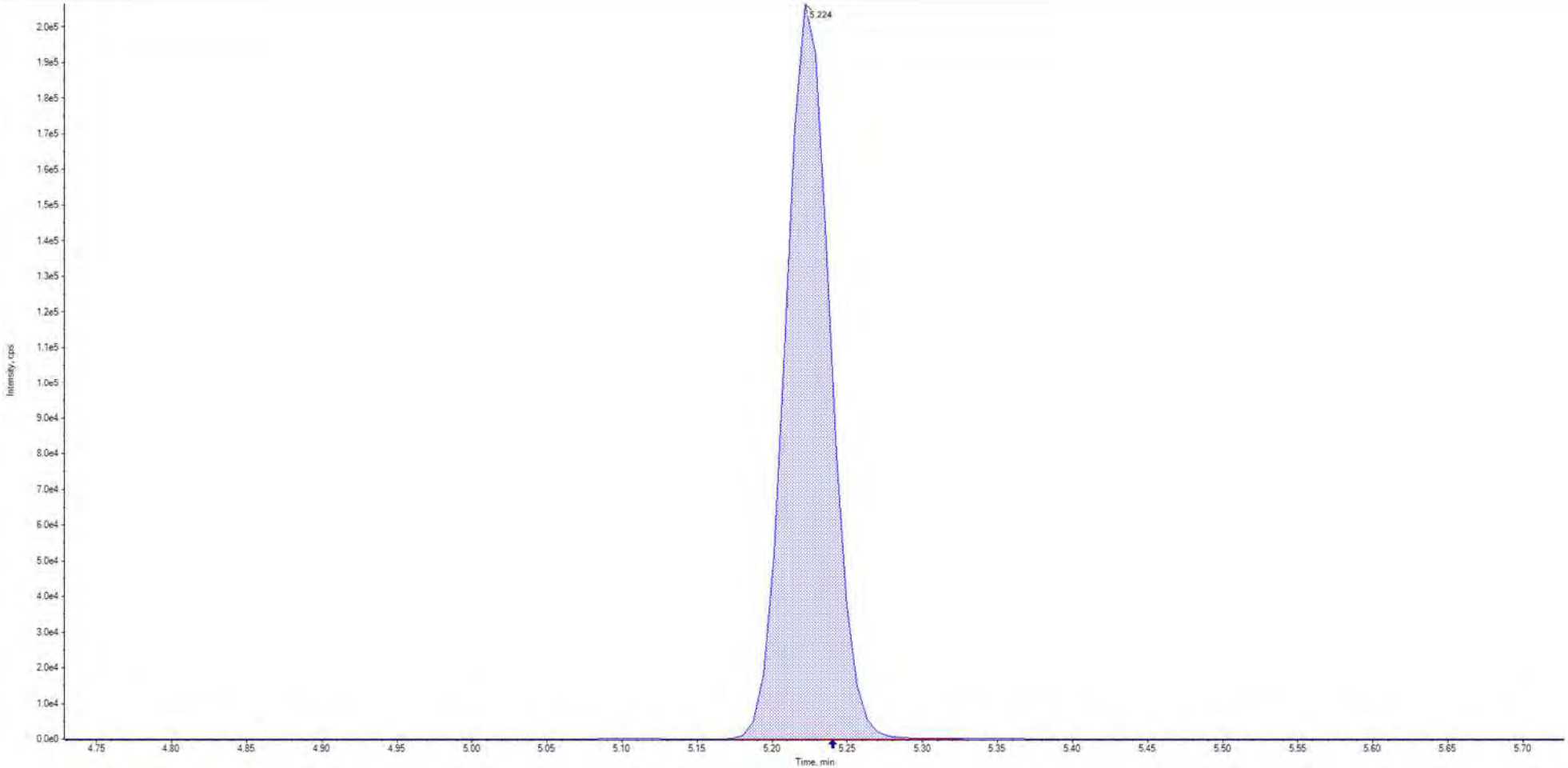
13C2-6:2FTS
Sample: L2512368-19



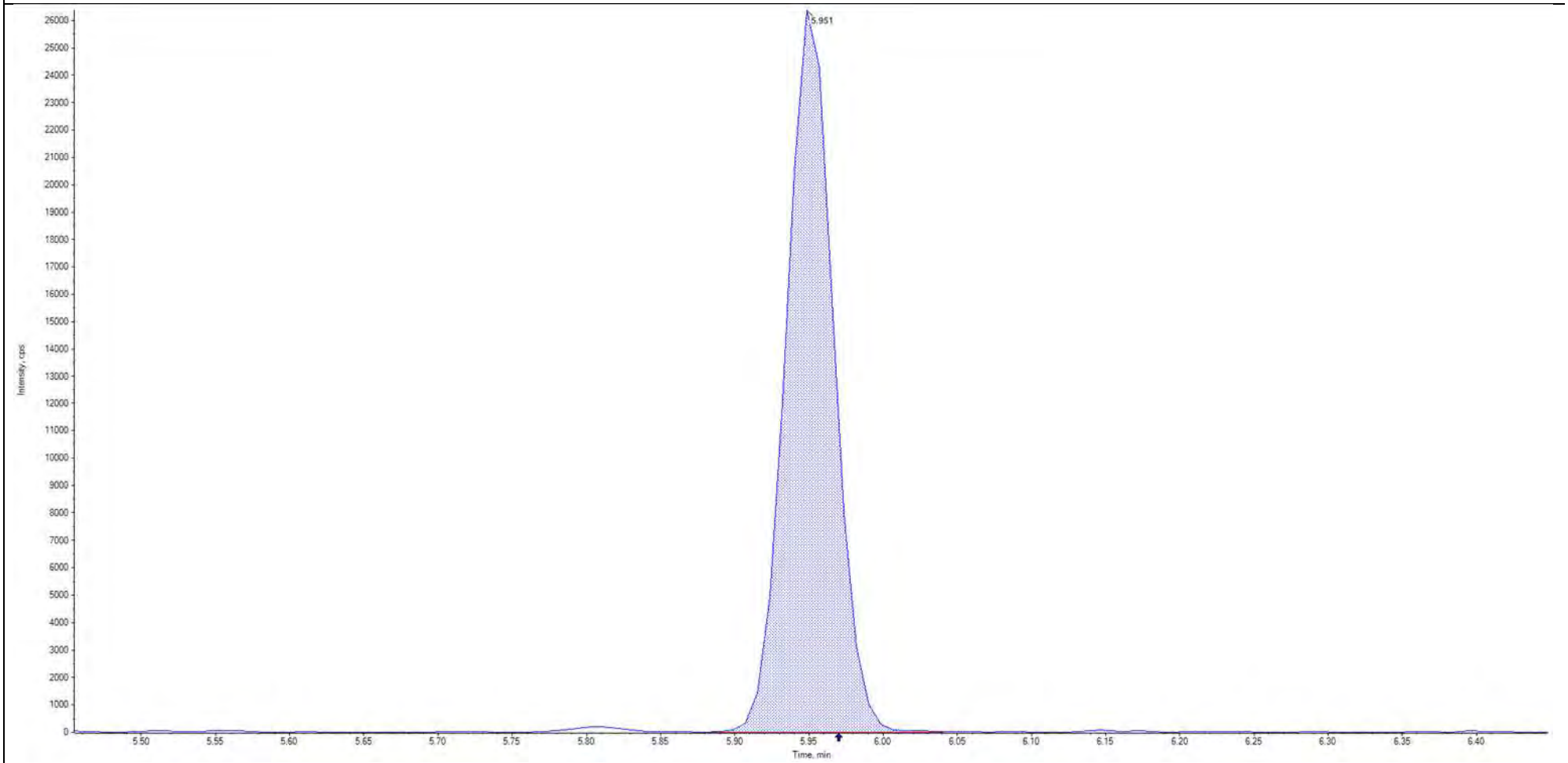
13C2-8:2FTS
Sample: L2512368-19



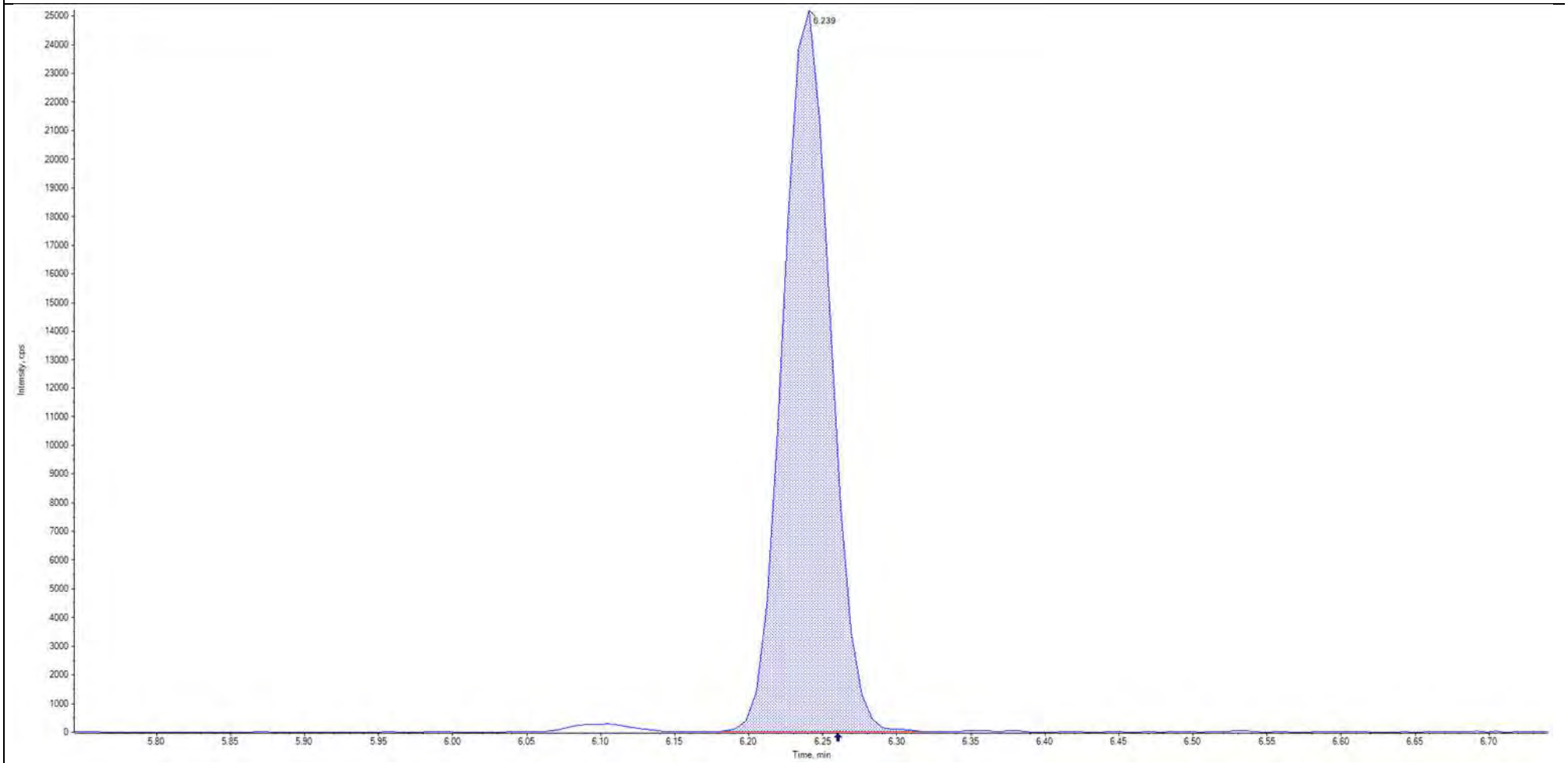
13C8-PFOSA
Sample: L2512368-19



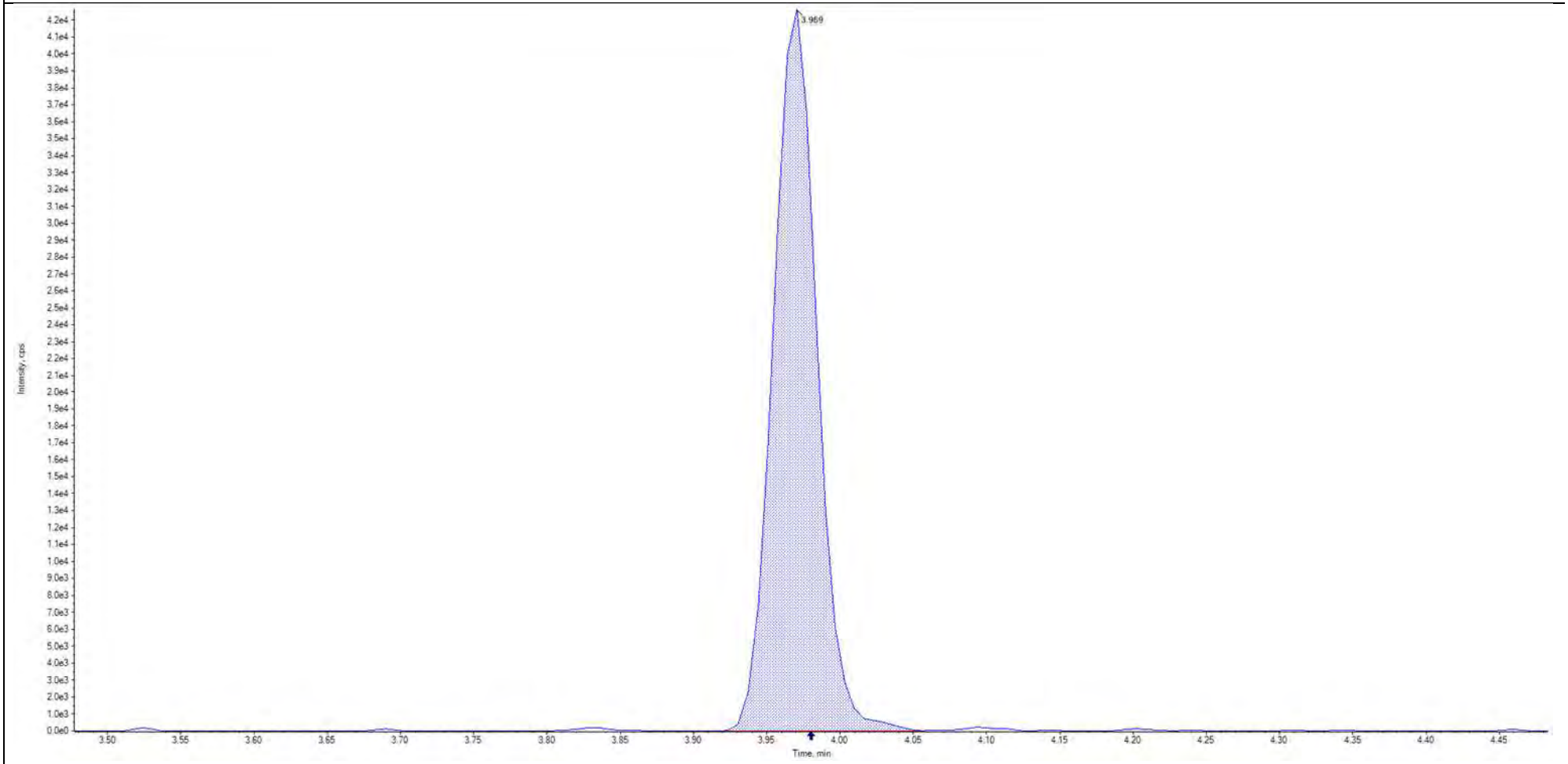
d3-NMeFOSA
Sample: L2512368-19



d5-NEtFOSA
Sample: L2512368-19



d3-NMeFOSAA
Sample: L2512368-19



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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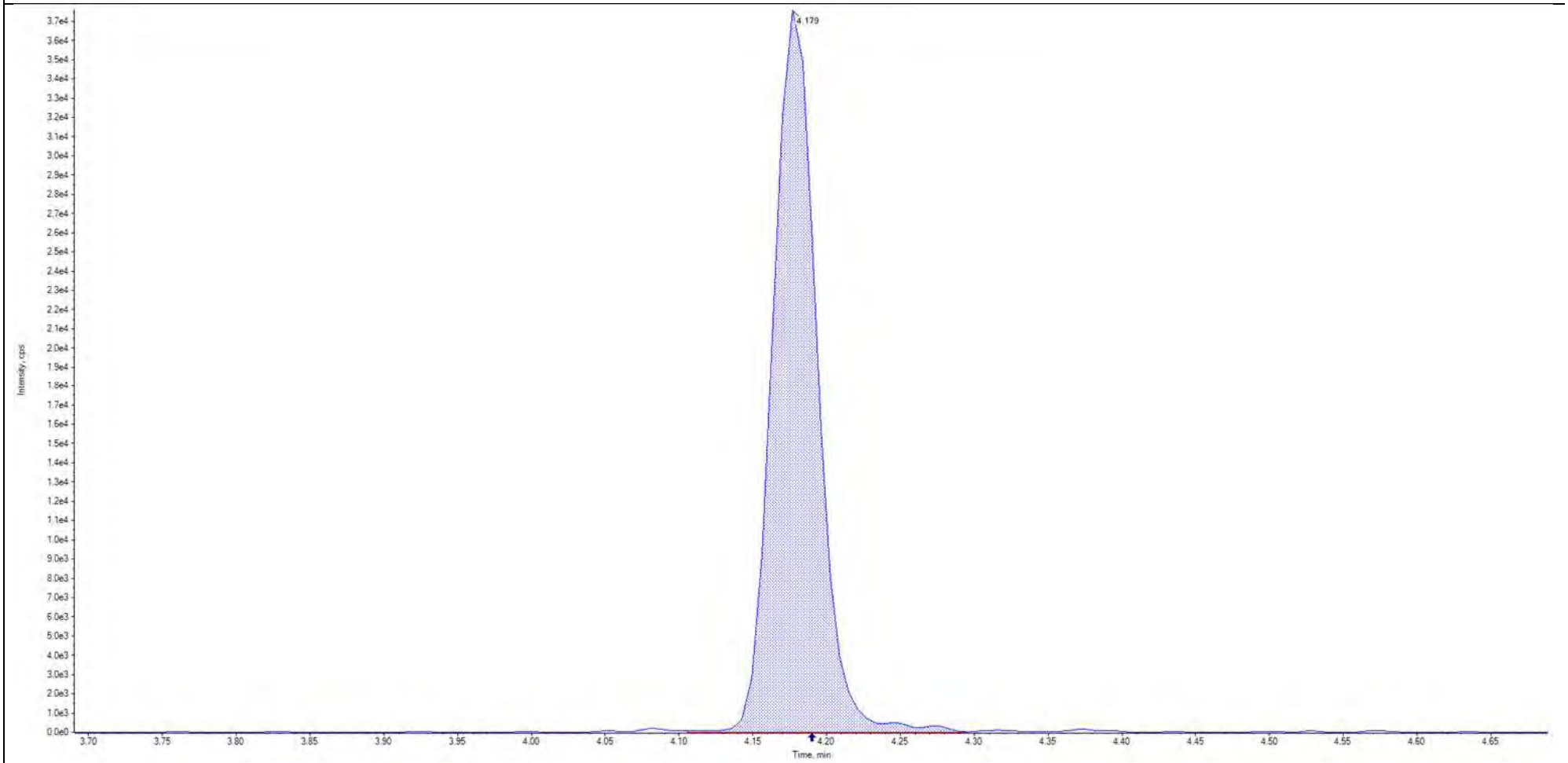
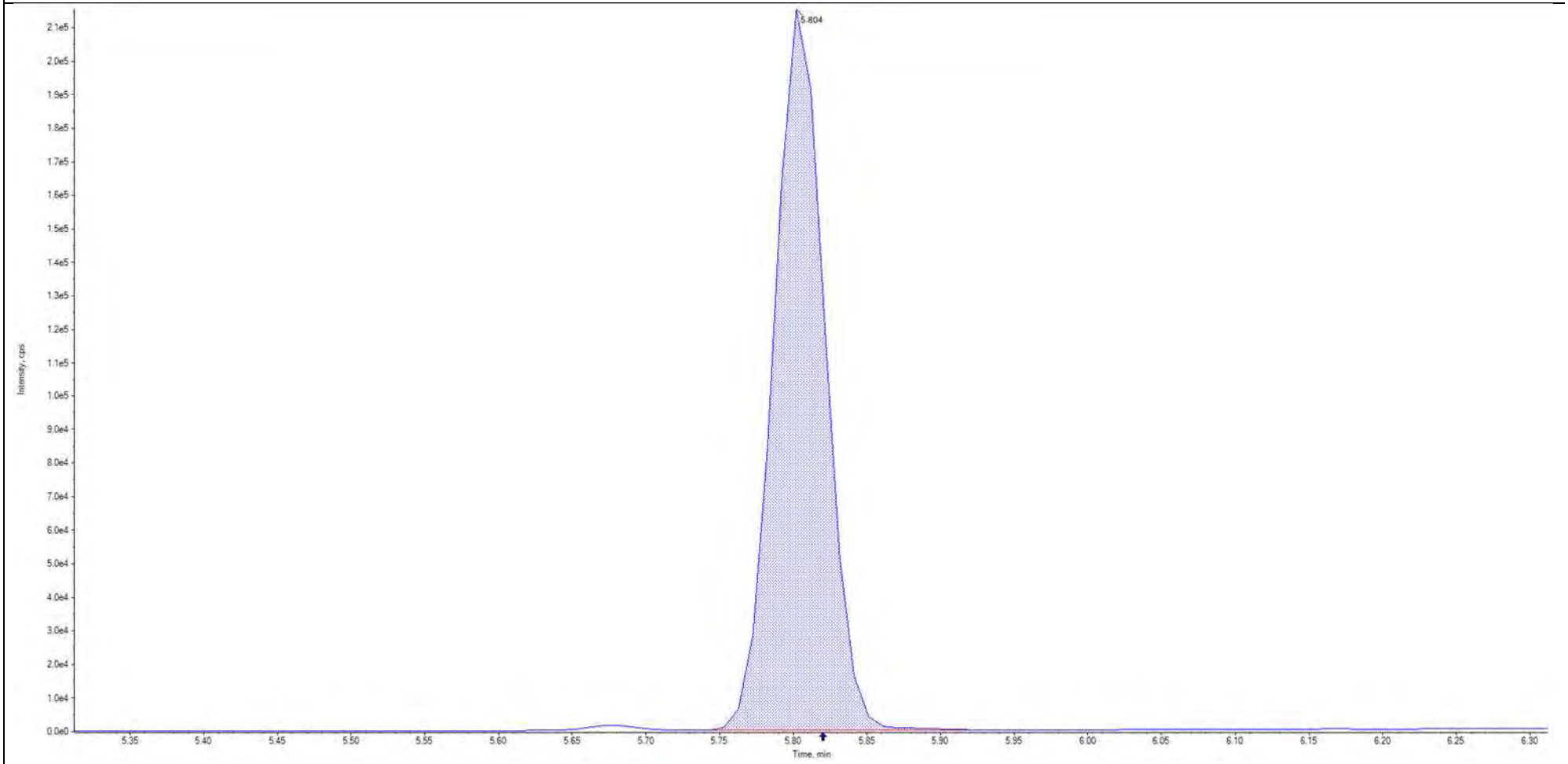
Generated: 3/11/2025 12:27:08 PM

d5-NEtFOSAA
Sample: L2512368-19



d7-NMeFOSE
Sample: L2512368-19



d9-NEtFOSE
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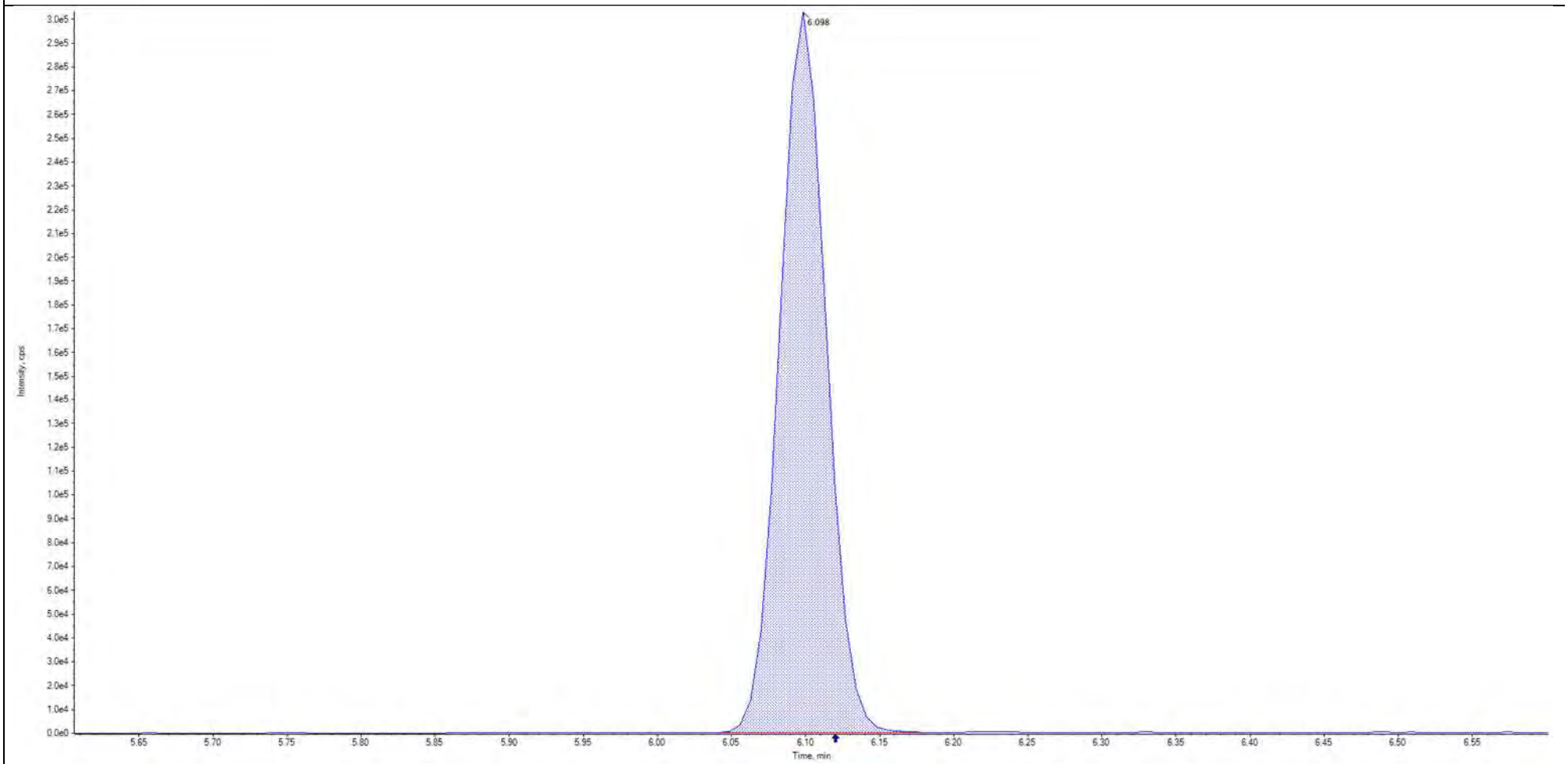

13C3-HFPO-DA
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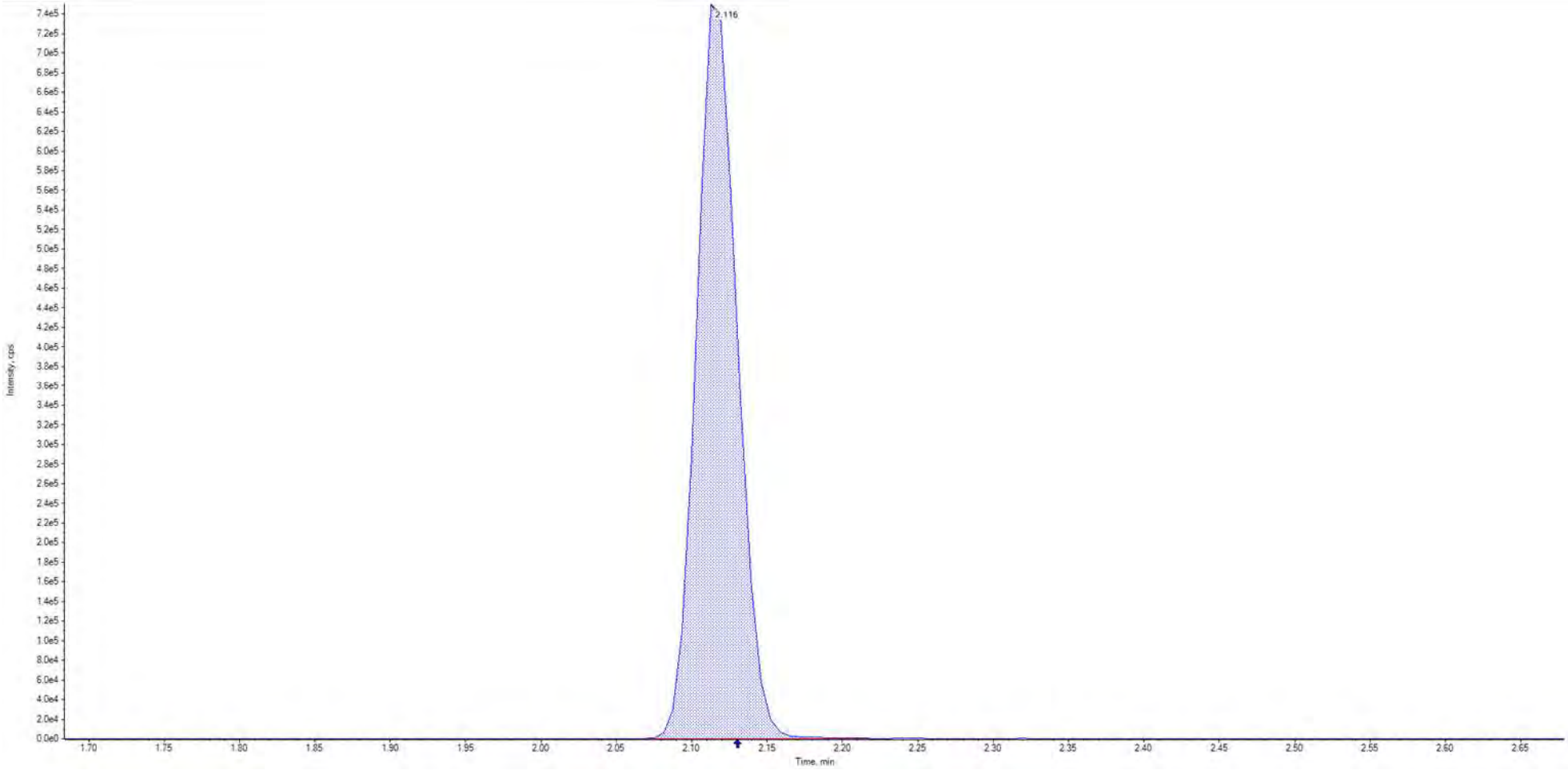

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Alpha Analytical LLC
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13C3-PFBA
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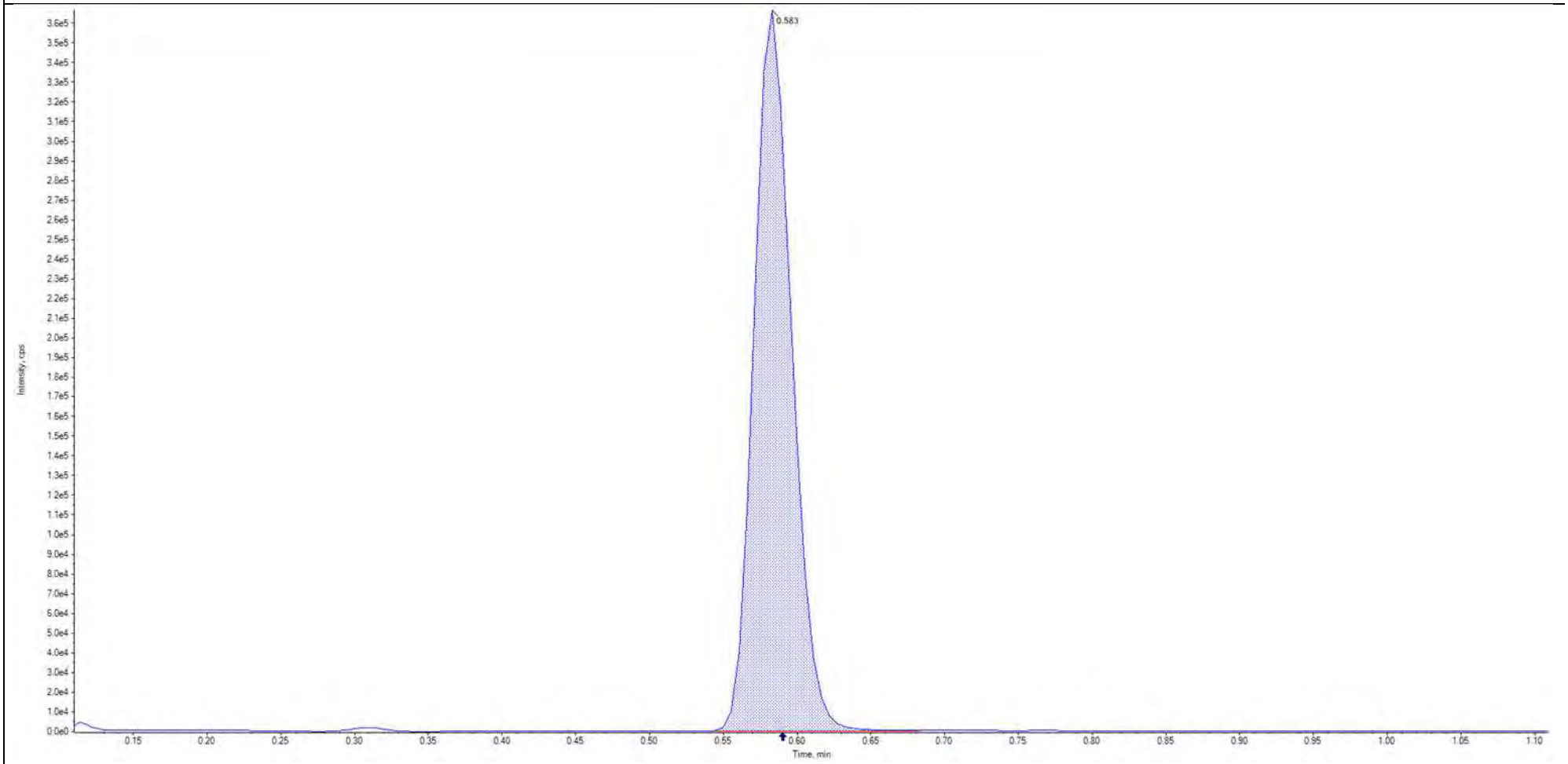

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13C2-PFHxA
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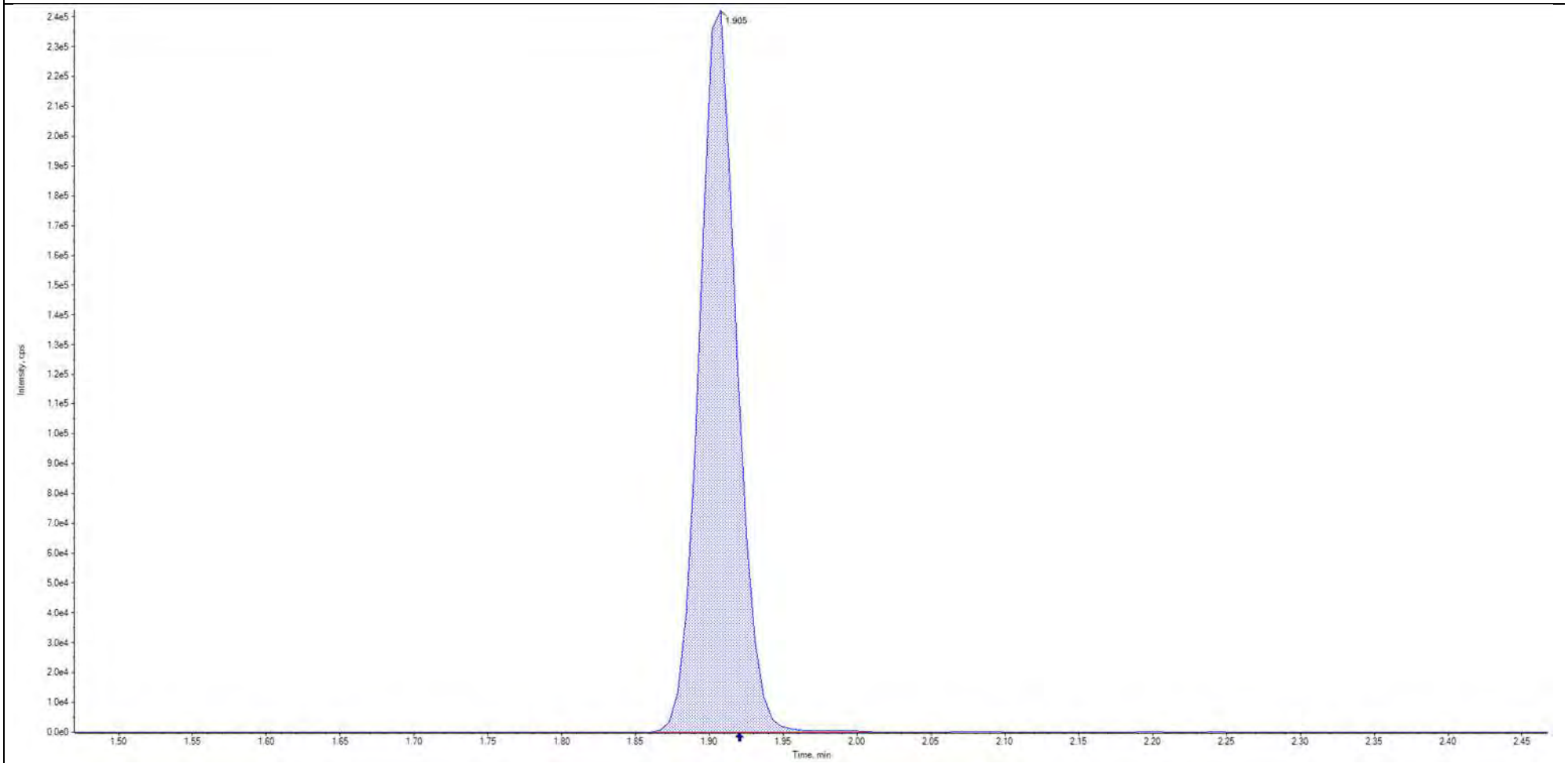

13C4-PFOA
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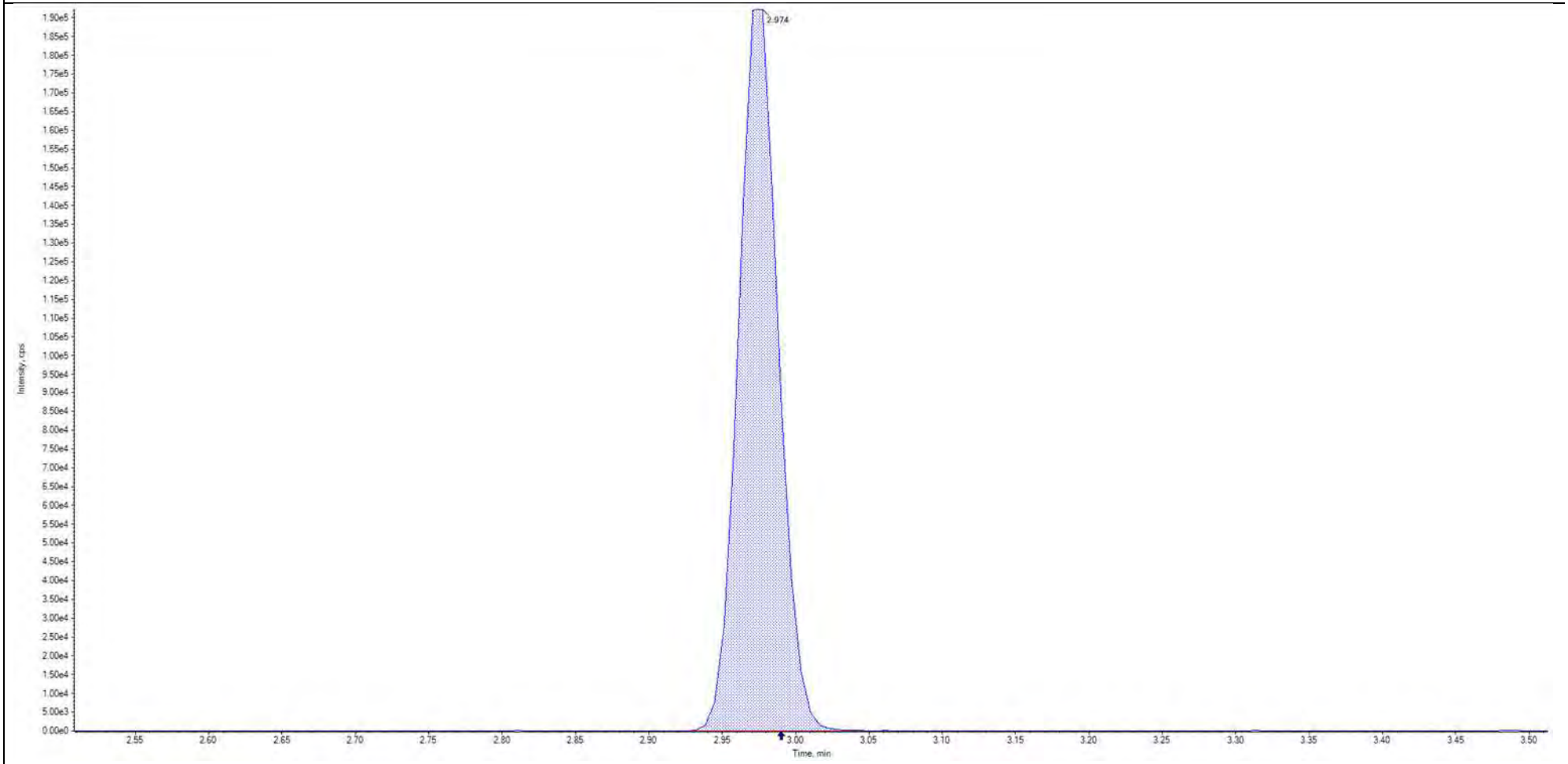

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13C5-PFNA
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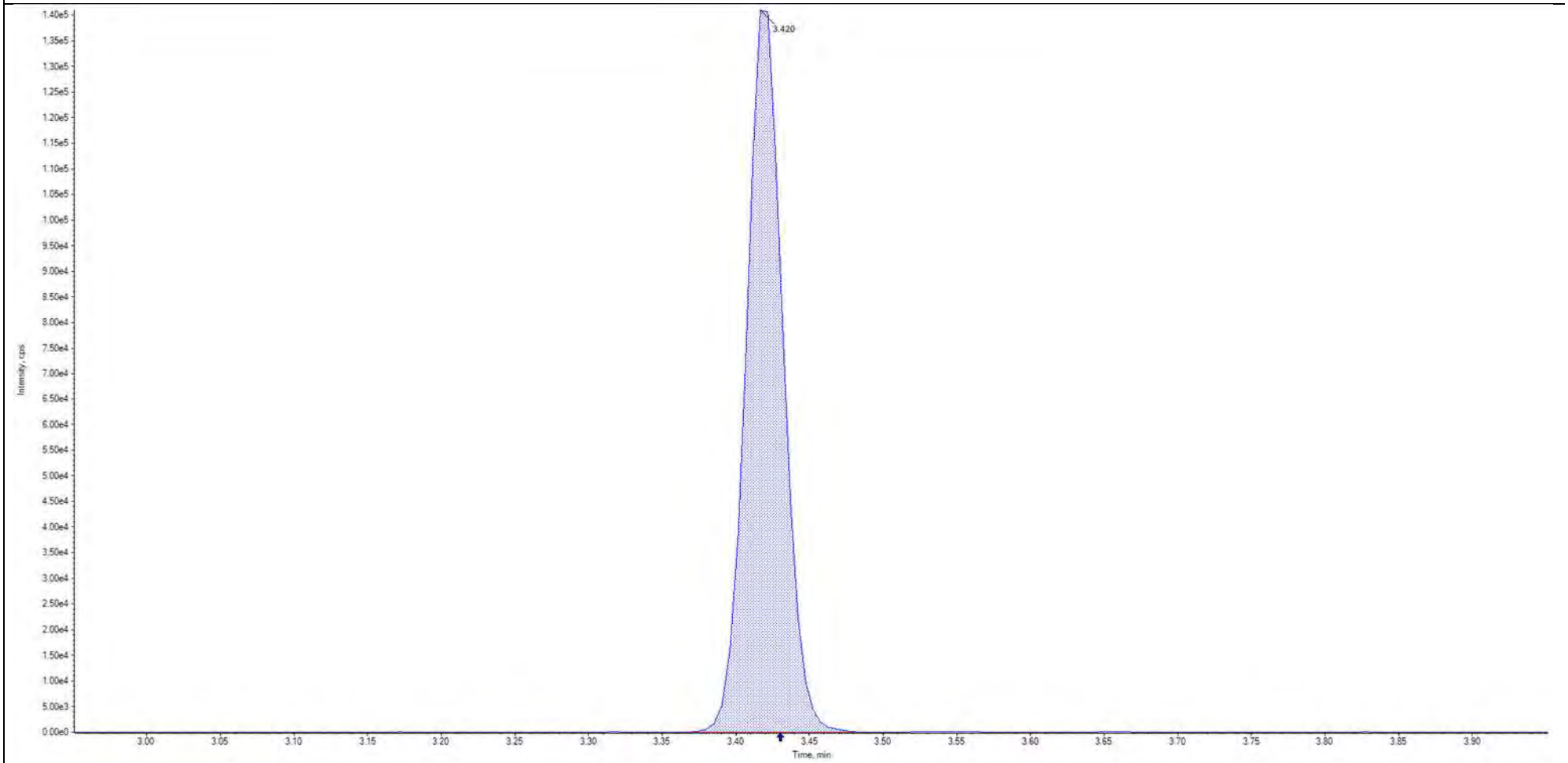

13C2-PFDA
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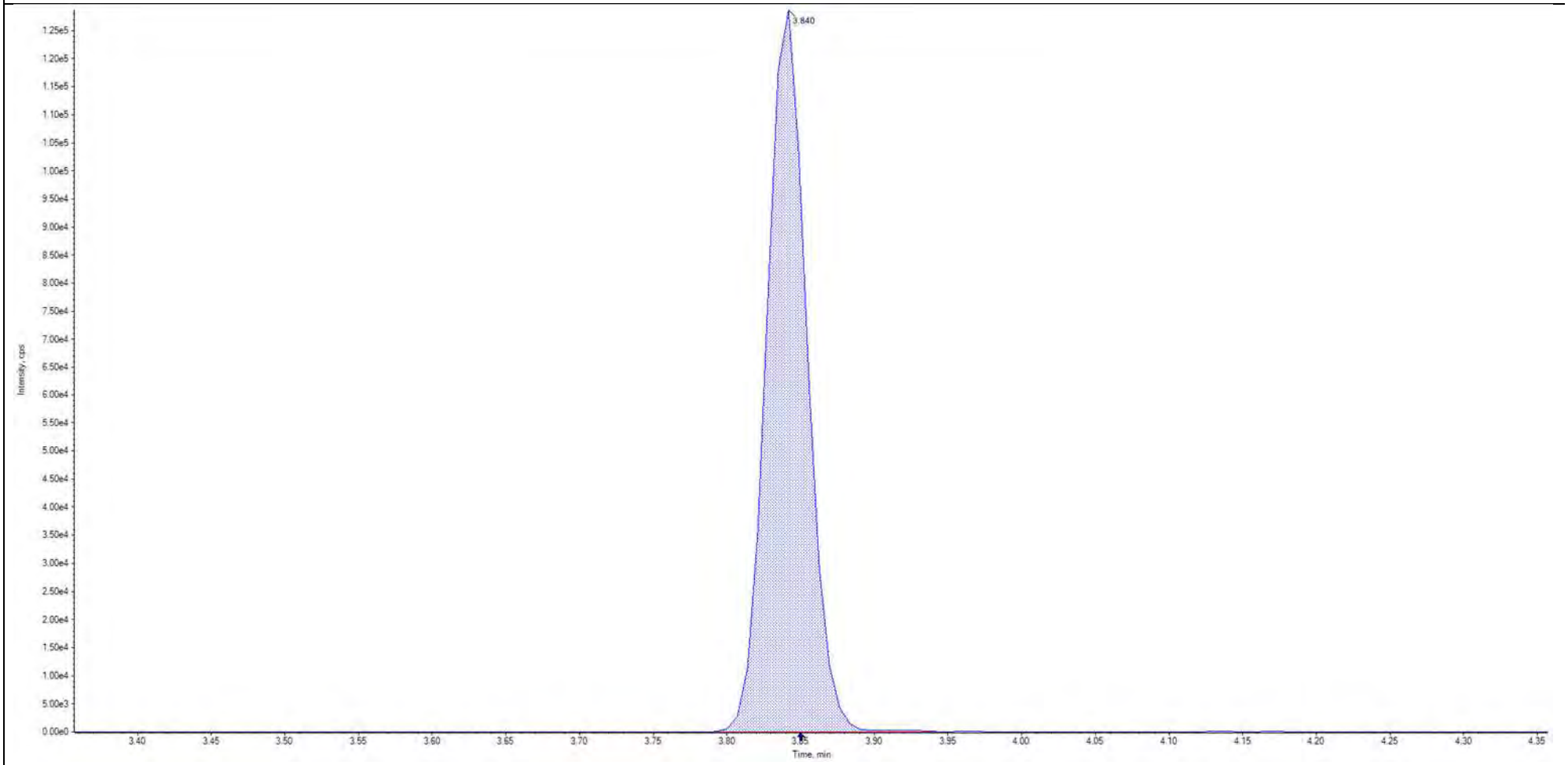
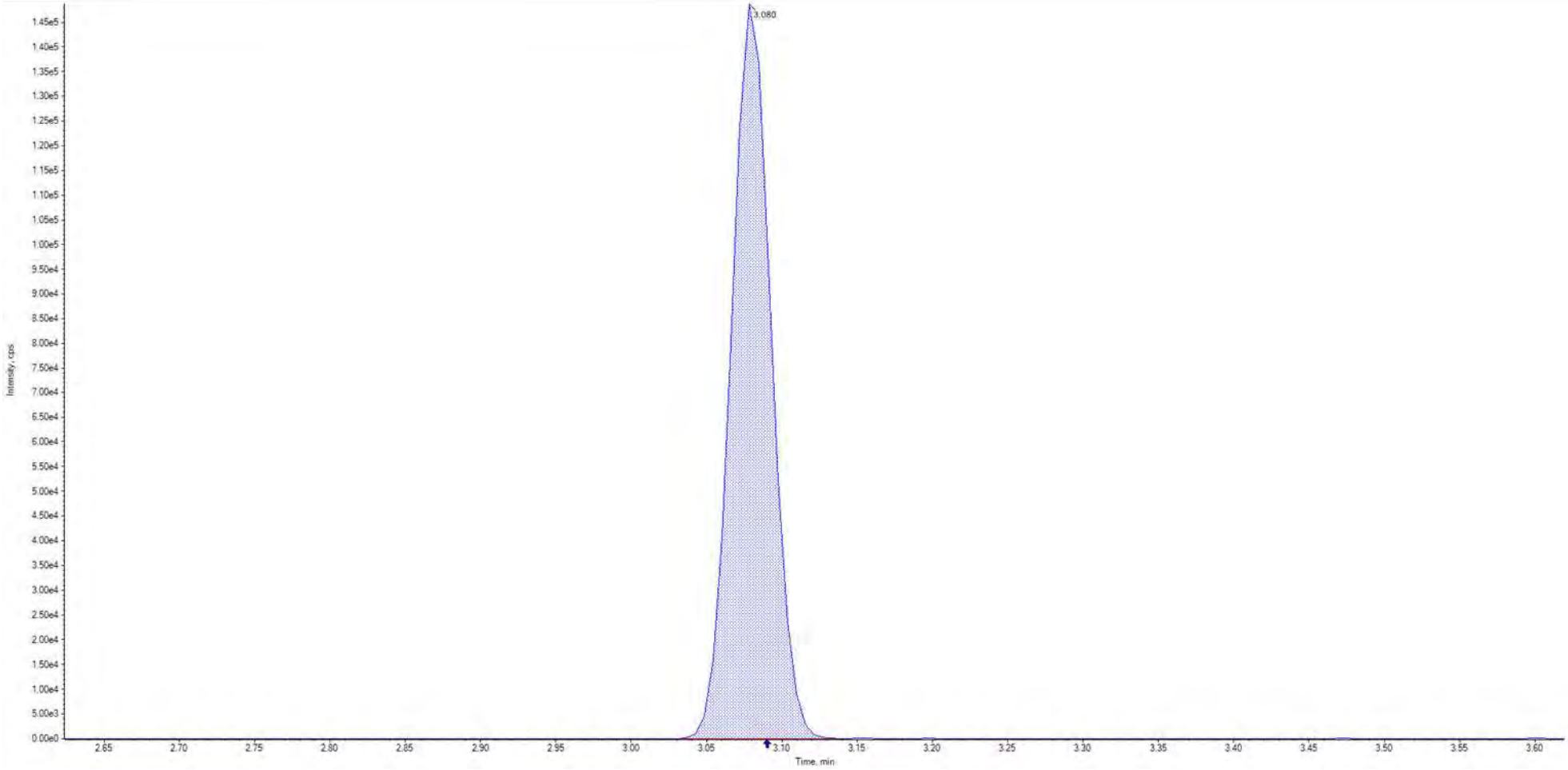


18O2-PFHxS
Sample: L2512368-19



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13C4-PFOS
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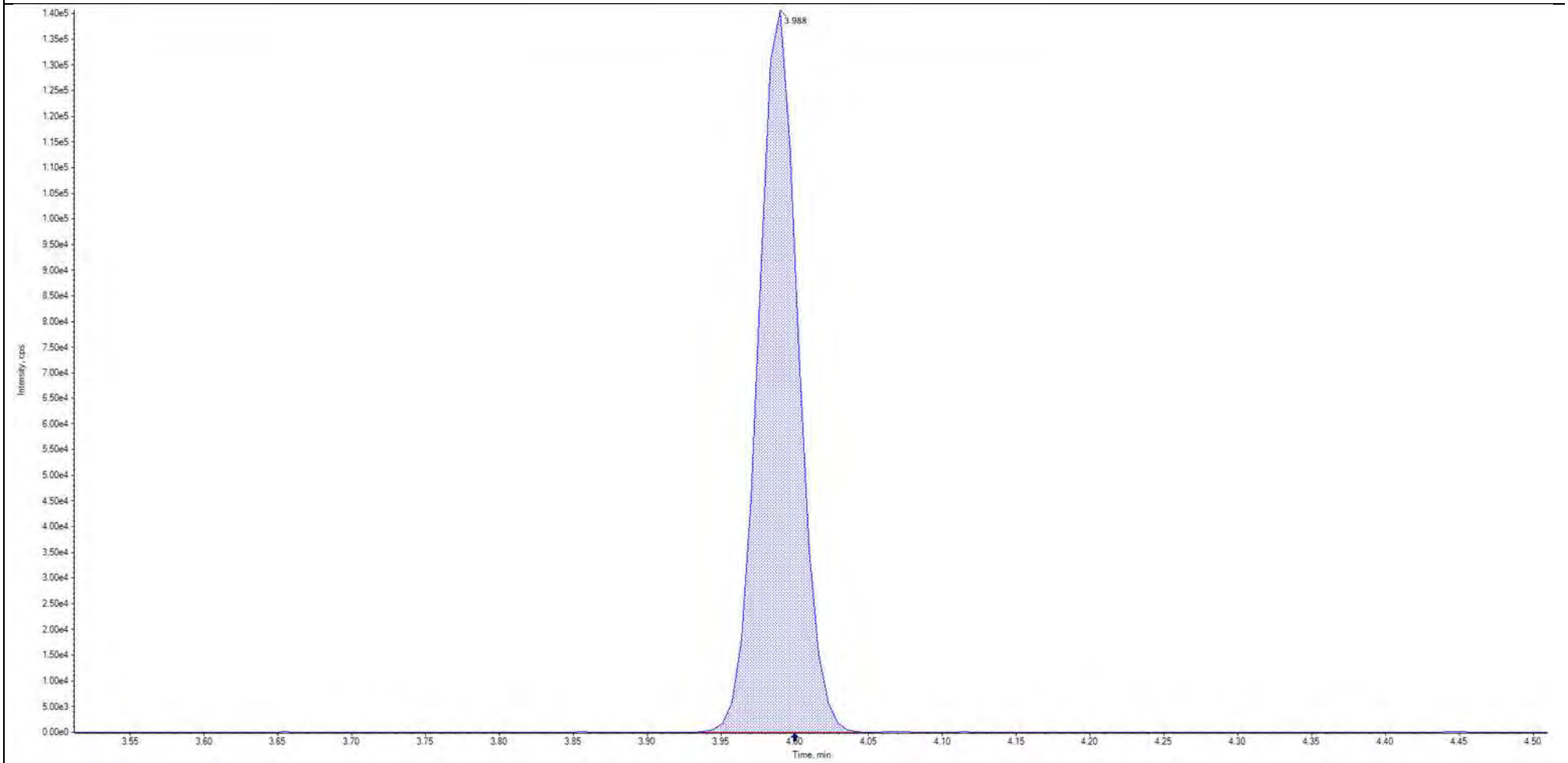

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Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Method: EPA1633F_250303.qmethod
Calibration: 250303_1633_ICAL

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Date & Time: 2025-03-11T11:08:57
Description: WG2038851,WG2037864,ICAL22044
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	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	0.081	N/A	N/A
5	PFHxA_2	307-24-4	N/A	313.0 / 119.0	N/A		N/A	N/A	0.081	N/A	N/A
6	PFHpA	375-85-9	N/A	363.1 / 319.0	N/A		N/A	N/A	0.373	N/A	N/A
7	PFHpA_2	375-85-9	N/A	363.1 / 169.0	N/A		N/A	N/A	0.373	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	0.424	N/A	N/A
9	PFOA_2	335-67-1	N/A	413.1 / 169.0	N/A		N/A	N/A	0.424	N/A	N/A
10	PFNA	375-95-1	N/A	462.8 / 418.9	N/A		N/A	N/A	0.493	N/A	N/A
11	PFNA_2	375-95-1	N/A	462.8 / 219.0	N/A		N/A	N/A	0.493	N/A	N/A
12	PFDA	335-76-2	N/A	513.1 / 469.1	N/A		N/A	N/A	0.188	N/A	N/A
13	PFDA_2	335-76-2	N/A	513.1 / 219.0	N/A		N/A	N/A	0.188	N/A	N/A
14	PFUnA	2058-94-8	N/A	563.1 / 519.1	N/A		N/A	N/A	0.146	N/A	N/A
15	PFUnA_2	2058-94-8	N/A	563.1 / 269.0	N/A		N/A	N/A	0.146	N/A	N/A
16	PFDoA	307-55-1	N/A	613.1 / 569.1	N/A		N/A	N/A	0.142	N/A	N/A
17	PFDoA_2	307-55-1	N/A	613.1 / 319.0	N/A		N/A	N/A	0.142	N/A	N/A
18	PFTrDA	72629-94-8	N/A	663.1 / 619.1	N/A		N/A	N/A	0.152	N/A	N/A
19	PFTrDA_2	72629-94-8	N/A	663.1 / 169.0	N/A		N/A	N/A	0.152	N/A	N/A
20	PFTeDA	376-06-7	N/A	713.1 / 669.1	N/A		N/A	N/A	0.154	N/A	N/A
21	PFTeDA_2	376-06-7	N/A	713.1 / 169.0	N/A		N/A	N/A	0.154	N/A	N/A
22	PFBS	375-73-5	N/A	299.1 / 80.1	N/A		N/A	N/A	0.374	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	0.374	N/A	N/A
24	PFPeS	2706-91-4	N/A	349.1 / 80.1	N/A		N/A	N/A	0.314	N/A	N/A
25	PFPeS_2	2706-91-4	N/A	349.1 / 99.1	N/A		N/A	N/A	0.314	N/A	N/A
26	PFHxS	355-46-4	N/A	399.1 / 80.1	N/A		N/A	N/A	0.306	N/A	N/A
27	PFHxS_2	355-46-4	N/A	399.1 / 99.1	N/A		N/A	N/A	0.306	N/A	N/A
28	PFHpS	375-92-8	N/A	449.1 / 80.1	N/A		N/A	N/A	0.316	N/A	N/A
29	PFHpS_2	375-92-8	N/A	449.1 / 99.1	N/A		N/A	N/A	0.316	N/A	N/A
30	PFOS	1763-23-1	4.00	499.1 / 80.1	4187	M5	0.032	0.271	0.244	Pass	N/A
31	PFOS_2	1763-23-1	4.00	499.1 / 99.1	1133	M2	0.034	0.271	0.244	Pass	N/A
32	PFNS	68259-12-1	N/A	549.1 / 80.1	N/A		N/A	N/A	0.294	N/A	N/A
33	PFNS_2	68259-12-1	N/A	549.1 / 99.1	N/A		N/A	N/A	0.294	N/A	N/A
34	PFDS	335-77-3	N/A	599.1 / 80.1	N/A		N/A	N/A	0.290	N/A	N/A
35	PFDS_2	335-77-3	N/A	599.1 / 99.1	N/A		N/A	N/A	0.290	N/A	N/A
36	PFDoS	79780-39-5	N/A	699.2 / 80.1	N/A		N/A	N/A	0.256	N/A	N/A
37	PFDoS_2	79780-39-5	N/A	699.2 / 99.1	N/A		N/A	N/A	0.256	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	0.650	N/A	N/A
39	4:2FTS_2	757124-72-4	N/A	327.1 / 81.1	N/A		N/A	N/A	0.650	N/A	N/A
40	6:2FTS	27619-97-2	N/A	427.2 / 407.2	N/A		N/A	N/A	0.620	N/A	N/A
41	6:2FTS_2	27619-97-2	N/A	427.2 / 81.1	N/A		N/A	N/A	0.620	N/A	N/A
42	8:2FTS	39108-34-4	N/A	527.2 / 507.2	N/A		N/A	N/A	0.676	N/A	N/A
43	8:2FTS_2	39108-34-4	N/A	527.2 / 81.1	N/A		N/A	N/A	0.676	N/A	N/A
44	PFOSA	754-91-6	N/A	498.1 / 78.1	N/A		N/A	N/A	0.026	N/A	N/A
45	PFOSA_2	754-91-6	N/A	498.1 / 478.0	N/A		N/A	N/A	0.026	N/A	N/A
46	NMeFOSA	31506-32-8	N/A	512.2 / 219.0	N/A		N/A	N/A	1.377	N/A	N/A
47	NMeFOSA_2	31506-32-8	N/A	512.2 / 169.0	N/A		N/A	N/A	1.377	N/A	N/A
48	NEtFOSA	4151-50-2	N/A	526.2 / 219.0	N/A		N/A	N/A	1.292	N/A	N/A
49	NEtFOSA_2	4151-50-2	N/A	526.2 / 169.0	N/A		N/A	N/A	1.292	N/A	N/A
50	NMeFOSAA	2355-31-9	N/A	570.2 / 419.1	N/A		N/A	N/A	0.697	N/A	N/A
51	NMeFOSAA_2	2355-31-9	N/A	570.2 / 483.0	N/A		N/A	N/A	0.697	N/A	N/A
52	NEtFOSAA	2991-50-6	N/A	584.2 / 419.1	N/A		N/A	N/A	0.557	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	0.557	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	0.501	N/A	N/A
57	HFPO-DA_2	13252-13-6	N/A	285.0 / 184.9	N/A		N/A	N/A	0.501	N/A	N/A
58	ADONA	919005-14-4	N/A	376.9 / 251.0	N/A		N/A	N/A	0.691	N/A	N/A
59	ADONA_2	919005-14-4	N/A	376.9 / 84.8	N/A		N/A	N/A	0.691	N/A	N/A
60	9Cl-PF3ONS	756426-58-1	N/A	530.8 / 351.1	N/A		N/A	N/A	0.332	N/A	N/A
61	9Cl-PF3ONS_2	756426-58-1	N/A	532.8 / 353.0	N/A		N/A	N/A	0.332	N/A	N/A
62	11Cl-PF3OUdS	763051-92-9	N/A	630.9 / 451.0	N/A		N/A	N/A	0.322	N/A	N/A
63	11Cl-PF3OUdS_2	763051-92-9	N/A	632.9 / 452.9	N/A		N/A	N/A	0.322	N/A	N/A
64	3:3FTCA	356-02-5	N/A	241.1 / 177.1	N/A		N/A	N/A	1.010	N/A	N/A
65	3:3FTCA_2	356-02-5	N/A	241.1 / 117.0	N/A		N/A	N/A	1.010	N/A	N/A
66	5:3FTCA	914637-49-3	N/A	341.1 / 237.1	N/A		N/A	N/A	1.017	N/A	N/A
67	5:3FTCA_2	914637-49-3	N/A	341.1 / 217.0	N/A		N/A	N/A	1.017	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	1.343	N/A	N/A
69	7:3FTCA_2	812-70-4	N/A	441.1 / 337.1	N/A		N/A	N/A	1.343	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	5.680	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	5.680	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	0.59	217.0 / 172.0	1570138		9.486	NA	NA	NA	94.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.18	268.0 / 223.0	700592		4.568	NA	NA	NA	91.4
	13C5-PFHxA	EIS	1.92	318.0 / 273.0	333730		2.314	NA	NA	NA	92.6
	13C4-PFHpA	EIS	2.50	367.0 / 322.0	315293		2.267	NA	NA	NA	90.7
	13C8-PFOA	EIS	2.99	420.8 / 376.0	562175		2.284	NA	NA	NA	91.4
	13C9-PFNA	EIS	3.44	472.0 / 427.0	240536		1.149	NA	NA	NA	91.9
	13C6-PFDA	EIS	3.86	519.0 / 474.0	248353		1.078	NA	NA	NA	86.2
	13C7-PFUnA	EIS	4.26	570.0 / 525.0	244606		0.962	NA	NA	NA	77.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.65	615.1 / 570.0	216887		0.848	NA	NA	NA	67.8
	13C2-PFTeDA	EIS	5.39	715.1 / 670.1	130126		0.785	NA	NA	NA	62.8
	13C3-PFBS	EIS	1.92	302.1 / 80.1	329408		2.220	NA	NA	NA	95.3
	13C3-PFHxS	EIS	3.10	402.1 / 80.1	307370		2.330	NA	NA	NA	98.3
	13C8-PFOS	EIS	4.00	507.1 / 80.1	275348		1.956	NA	NA	NA	81.5
	13C2-4:2FTS	EIS	1.71	329.1 / 81.1	84211		3.847	NA	NA	NA	82.0
	13C2-6:2FTS	EIS	2.80	429.2 / 81.1	83304		4.421	NA	NA	NA	92.9
	13C2-8:2FTS	EIS	3.67	529.2 / 81.1	69662		3.941	NA	NA	NA	82.1

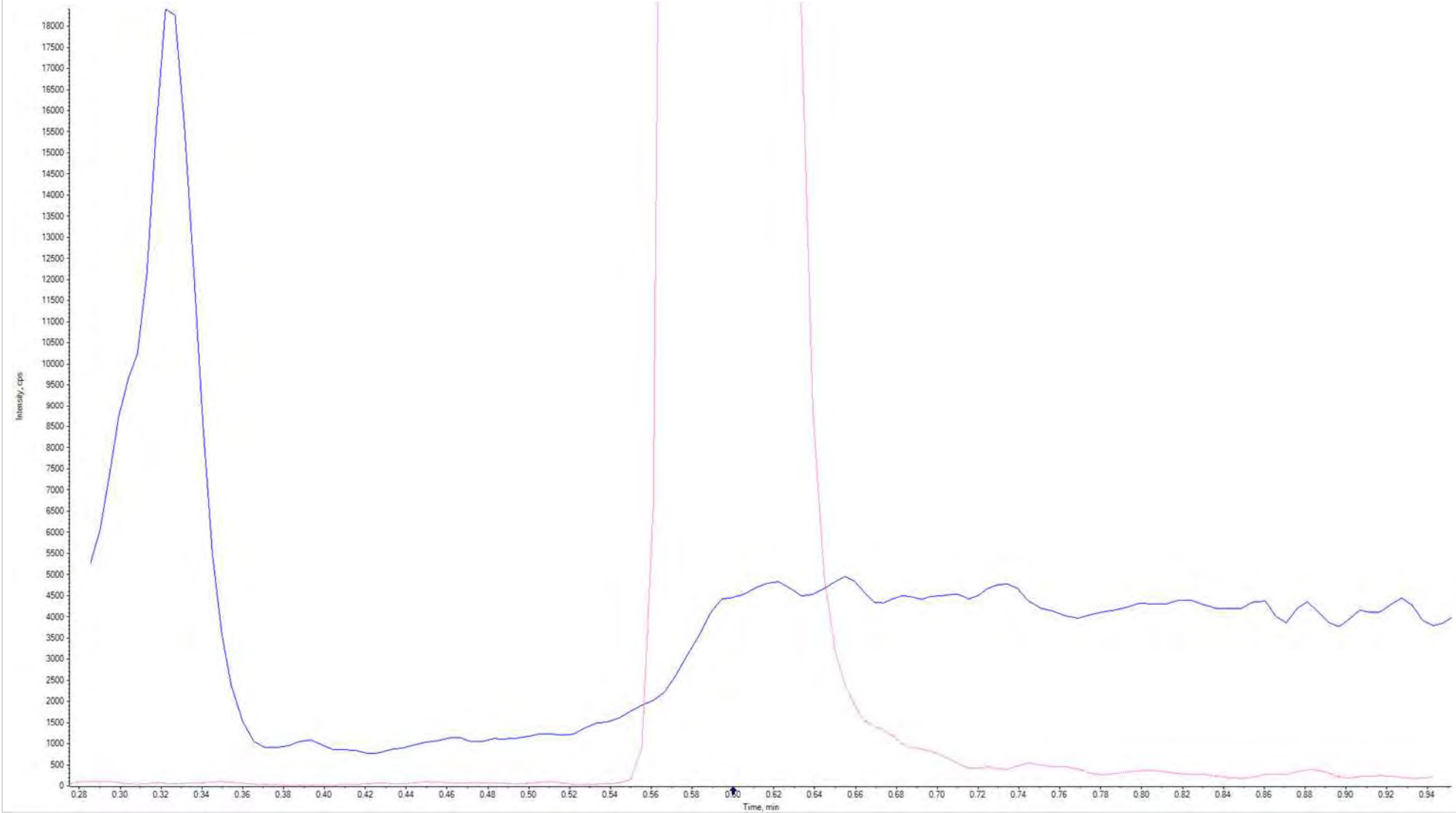
	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	5.24	506.1 / 78.1	424485		1.899	NA	NA	NA	76.0
	d3-NMeFOSA	EIS	5.97	515.2 / 219.0	60773		1.506	NA	NA	NA	60.2
	d5-NEtFOSA	EIS	6.26	531.2 / 219.0	59006		1.608	NA	NA	NA	64.3
	d3-NMeFOSAA	EIS	3.98	573.2 / 419.1	92485		3.364	NA	NA	NA	67.3
	d5-NEtFOSAA	EIS	4.19	589.3 / 419.1	86901		3.876	NA	NA	NA	77.5
	d7-NMeFOSE	EIS	5.82	623.2 / 58.9	515733		17.766	NA	NA	NA	71.1
	d9-NEtFOSE	EIS	6.12	639.2 / 58.9	715596		18.377	NA	NA	NA	73.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.13	287.0 / 169.0	1335242		8.754	NA	NA	NA	87.5
	13C3-PFBA	NIS	0.59	216.0 / 172.0	732372		5.053	NA	NA	NA	101.1
	13C2-PFHxA	NIS	1.92	315.0 / 270.0	424616		2.620	NA	NA	NA	104.8
	13C4-PFOA	NIS	2.99	417.0 / 372.0	374104		2.602	NA	NA	NA	104.1
	13C5-PFNA	NIS	3.44	468.0 / 423.0	262243		1.273	NA	NA	NA	101.8
	13C2-PFDA	NIS	3.85	515.1 / 470.1	268901		1.265	NA	NA	NA	101.2
	18O2-PFHxS	NIS	3.10	403.1 / 84.1	277399		2.357	NA	NA	NA	99.4
	13C4-PFOS	NIS	4.00	503.1 / 80.1	283205		2.356	NA	NA	NA	98.2

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250311\SCI09_250311_35.wiff2_8
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

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

PFBA
Sample: L2512368-20 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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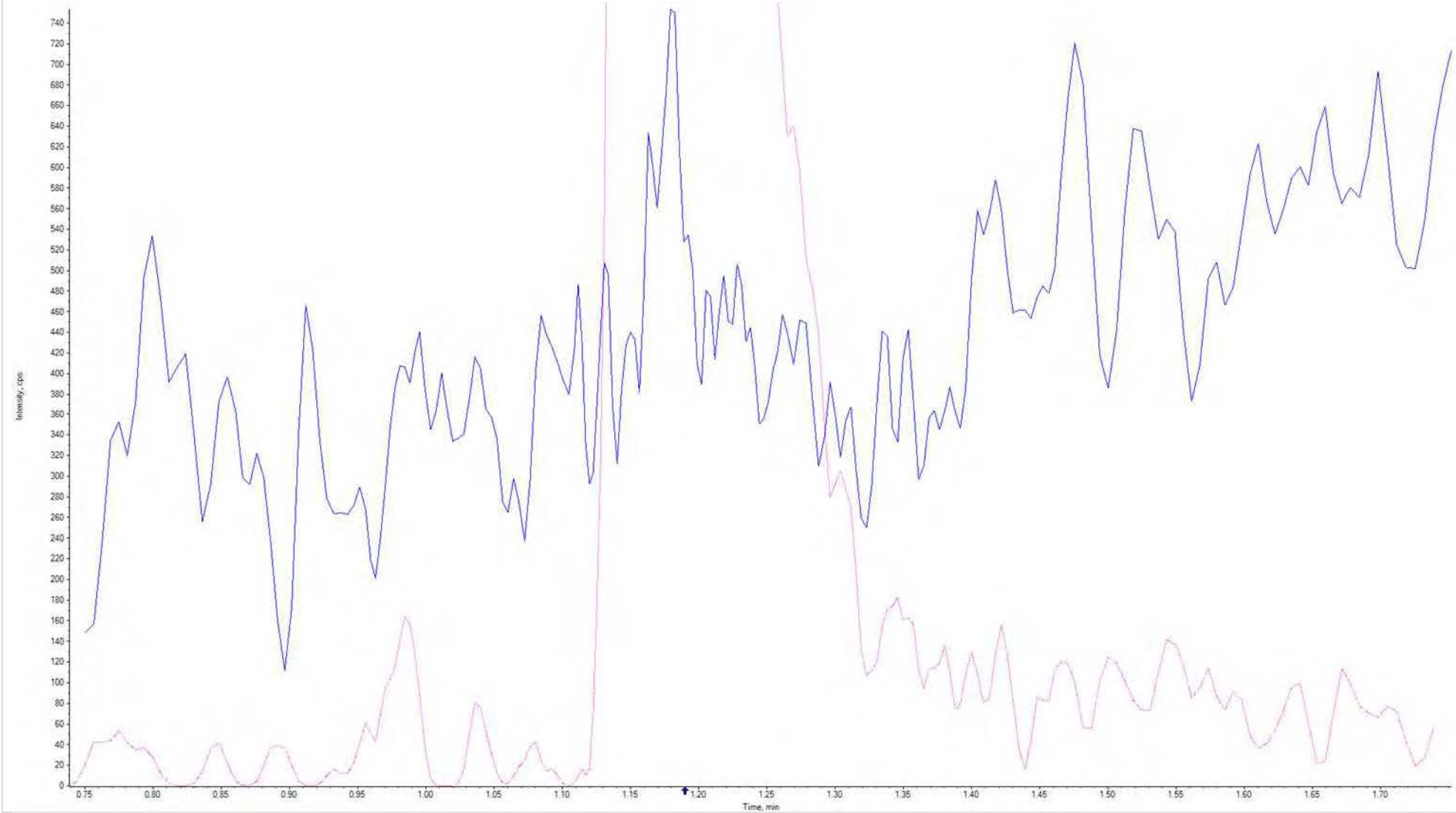
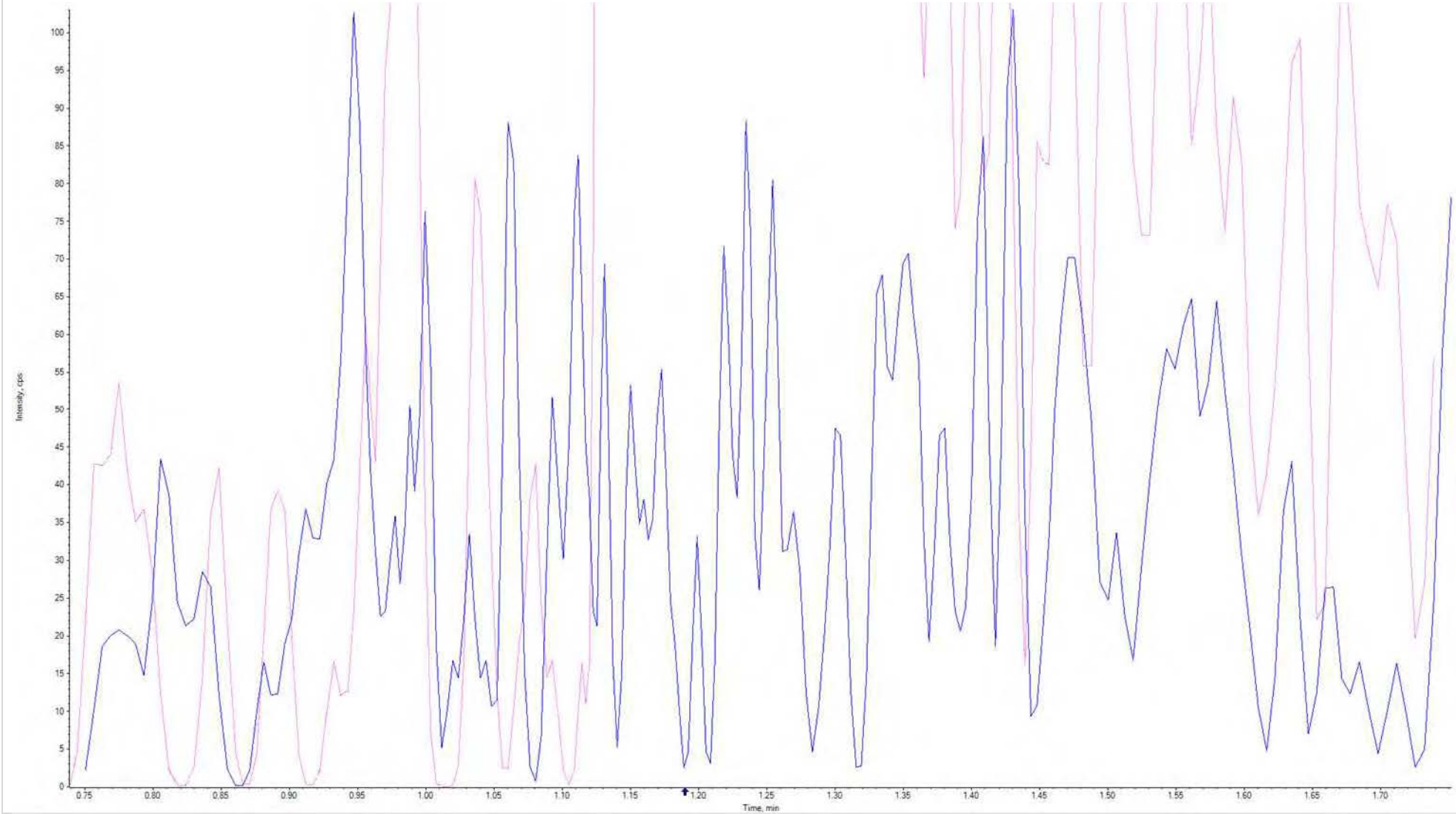
PFPeA
Sample: L2512368-20 S/N:N/A Points Across peak:N/A



PFPeA_2
Sample: L2512368-20 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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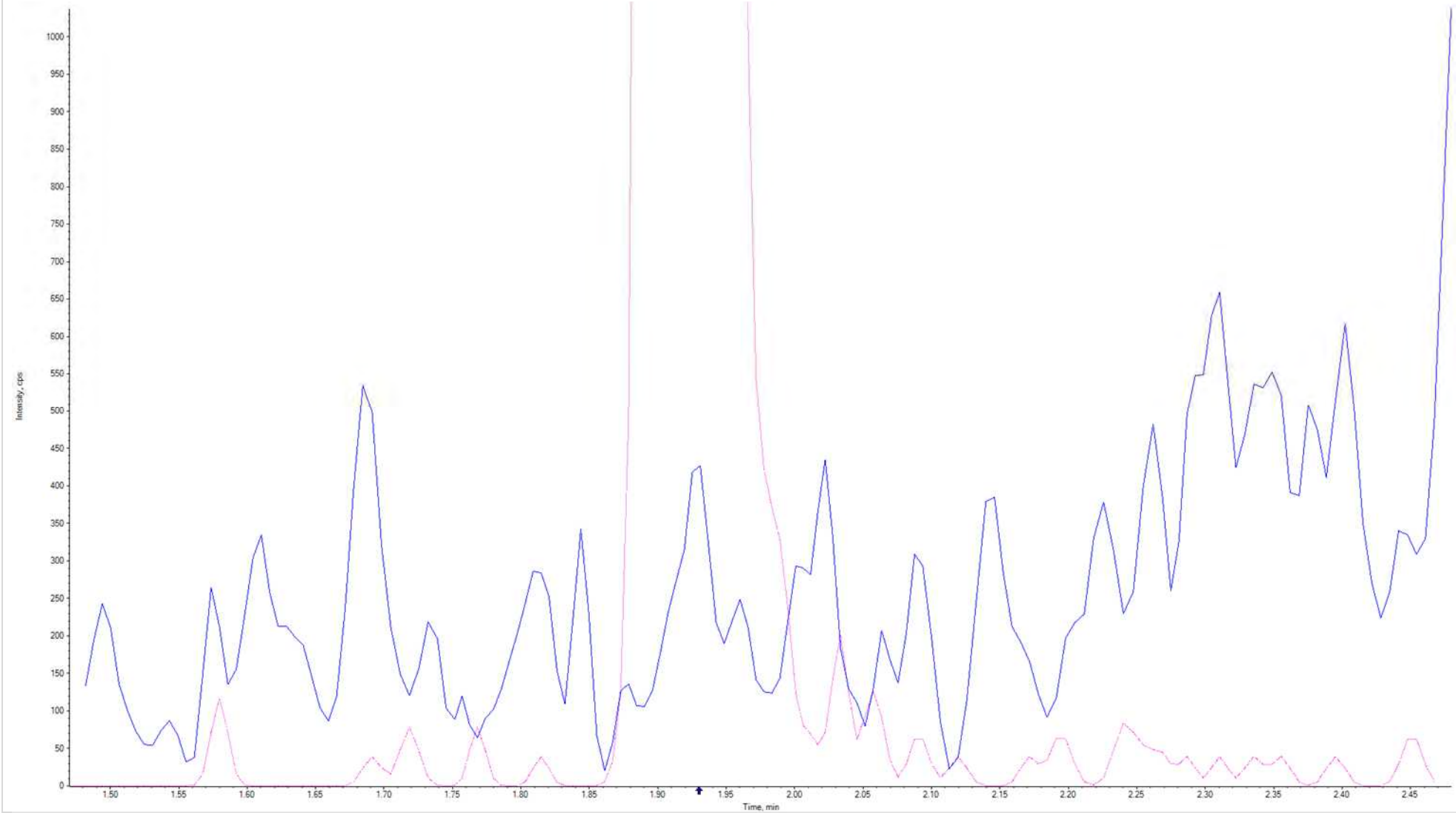
PFHxA
Sample: L2512368-20 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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PFHxA_2
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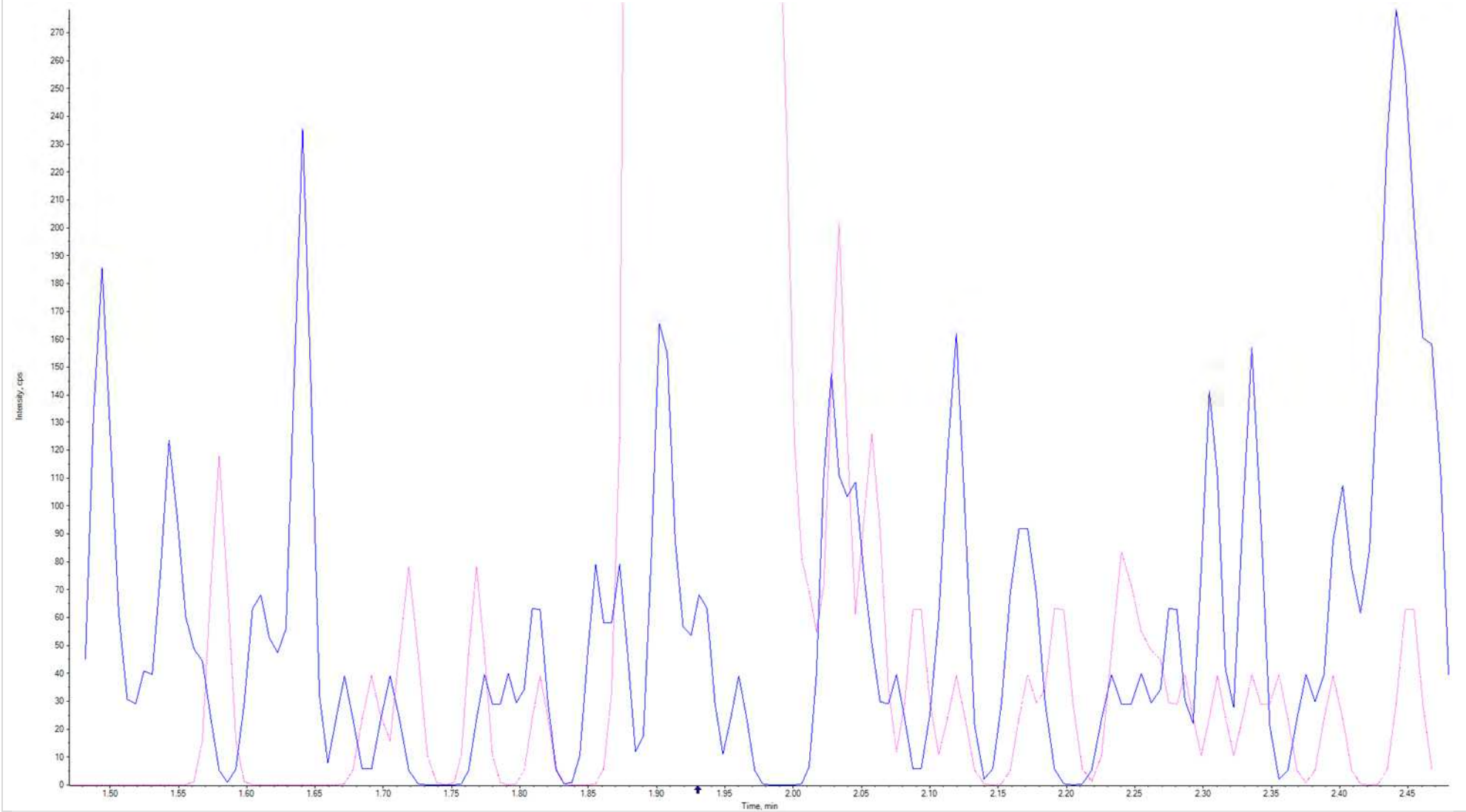

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PFHpA
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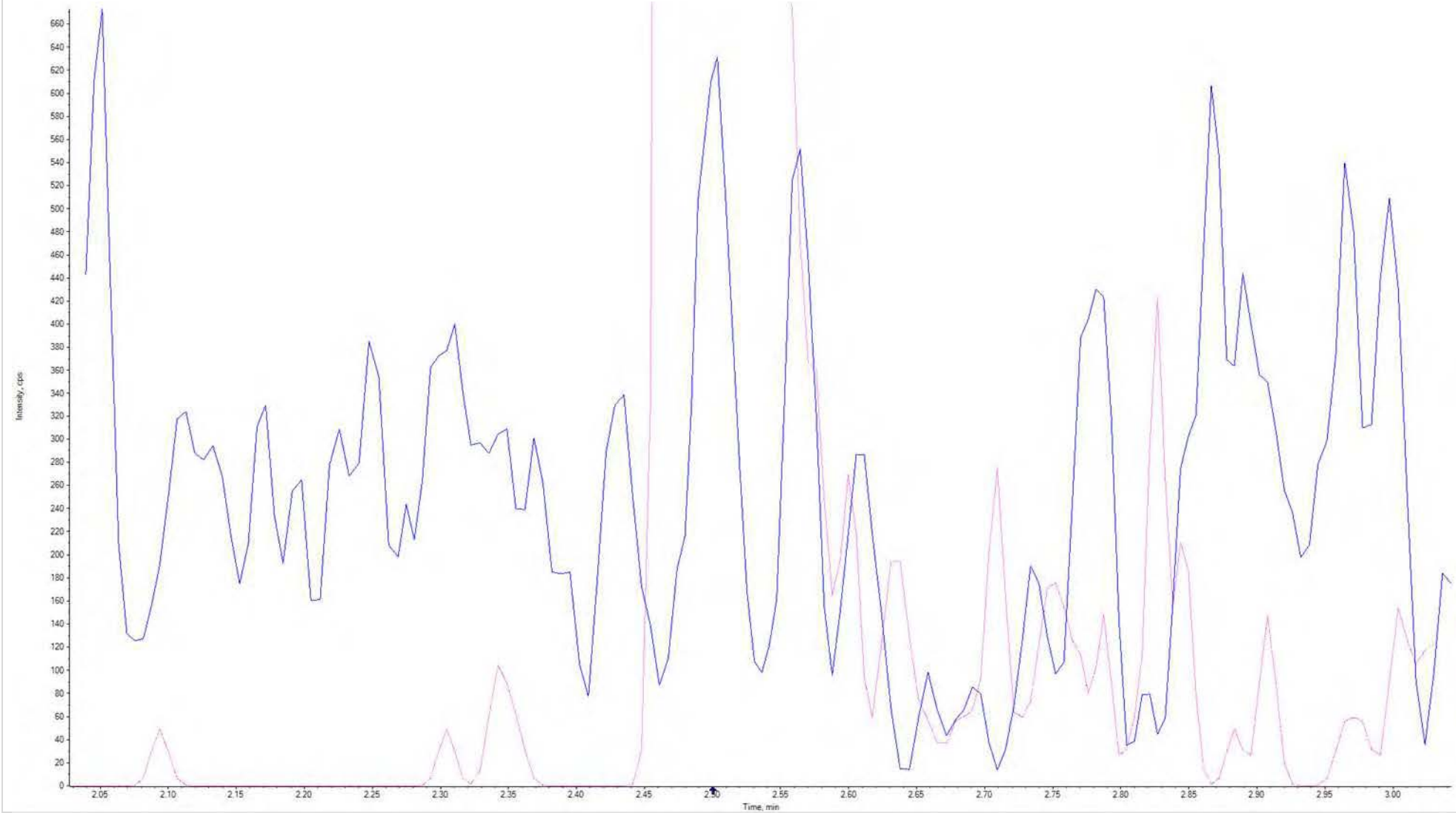

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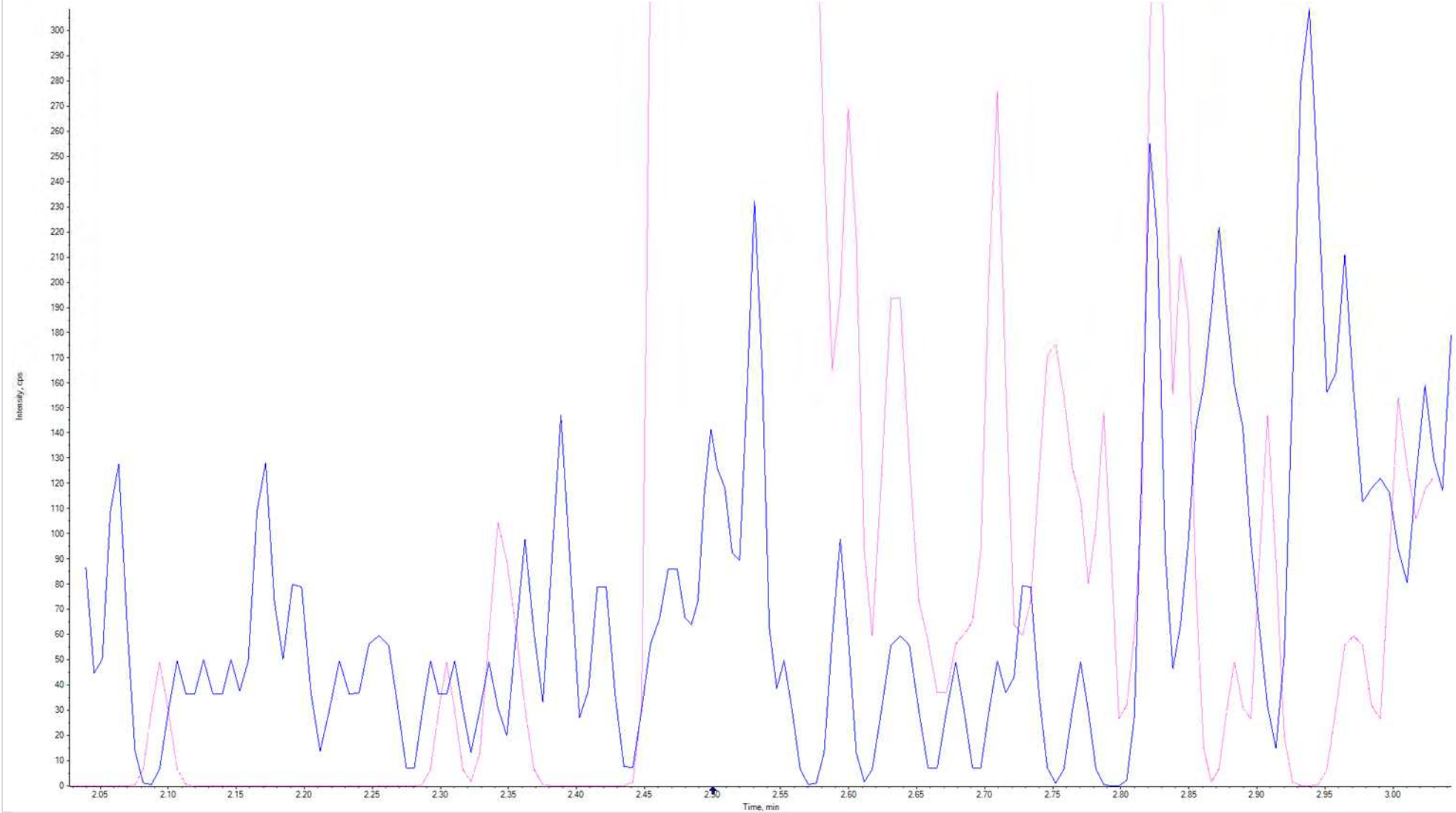
Generated: 3/11/2025 12:27:08 PM

PFHpA_2
Sample: L2512368-20 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: 3/11/2025 12:27:08 PM

PFOA
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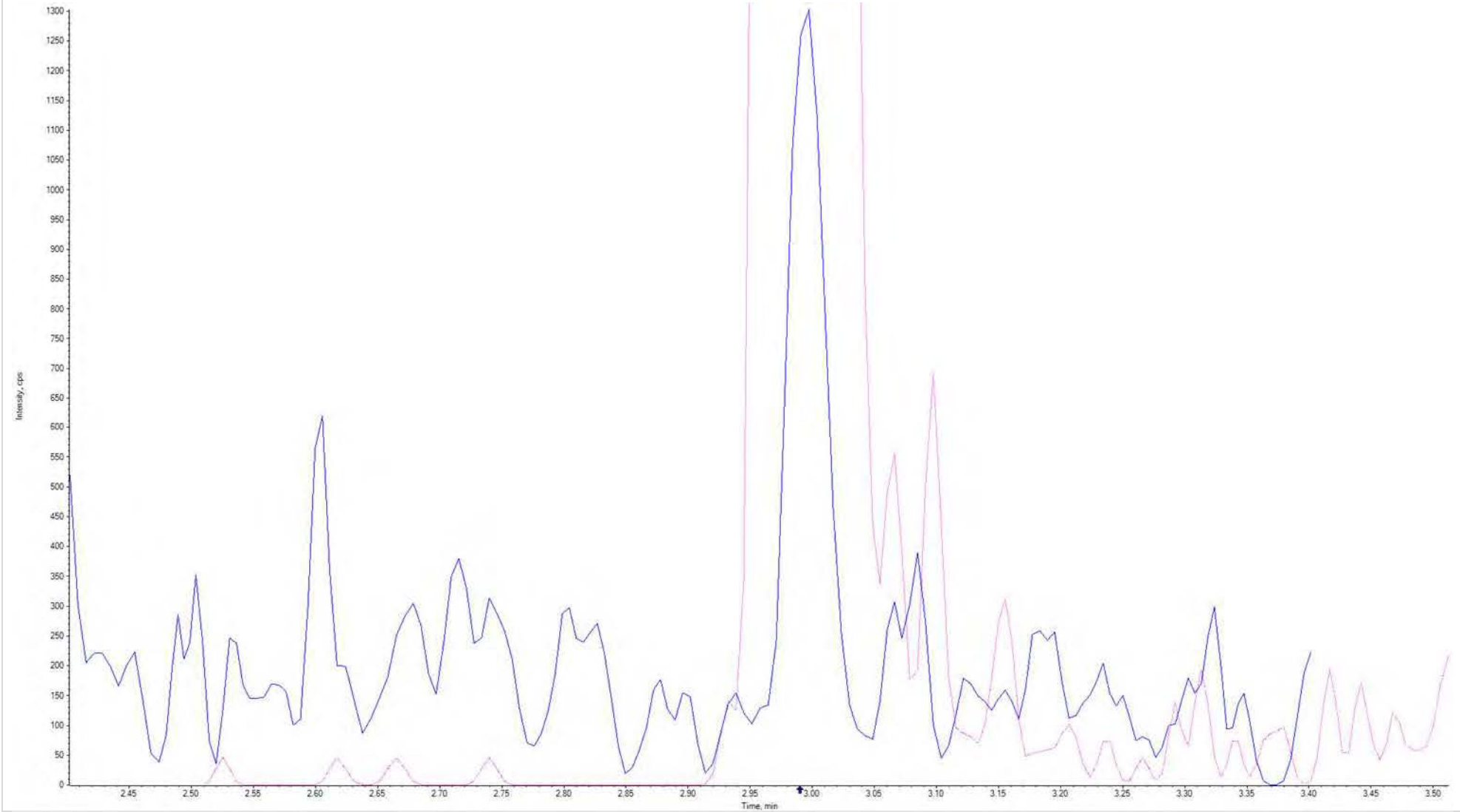
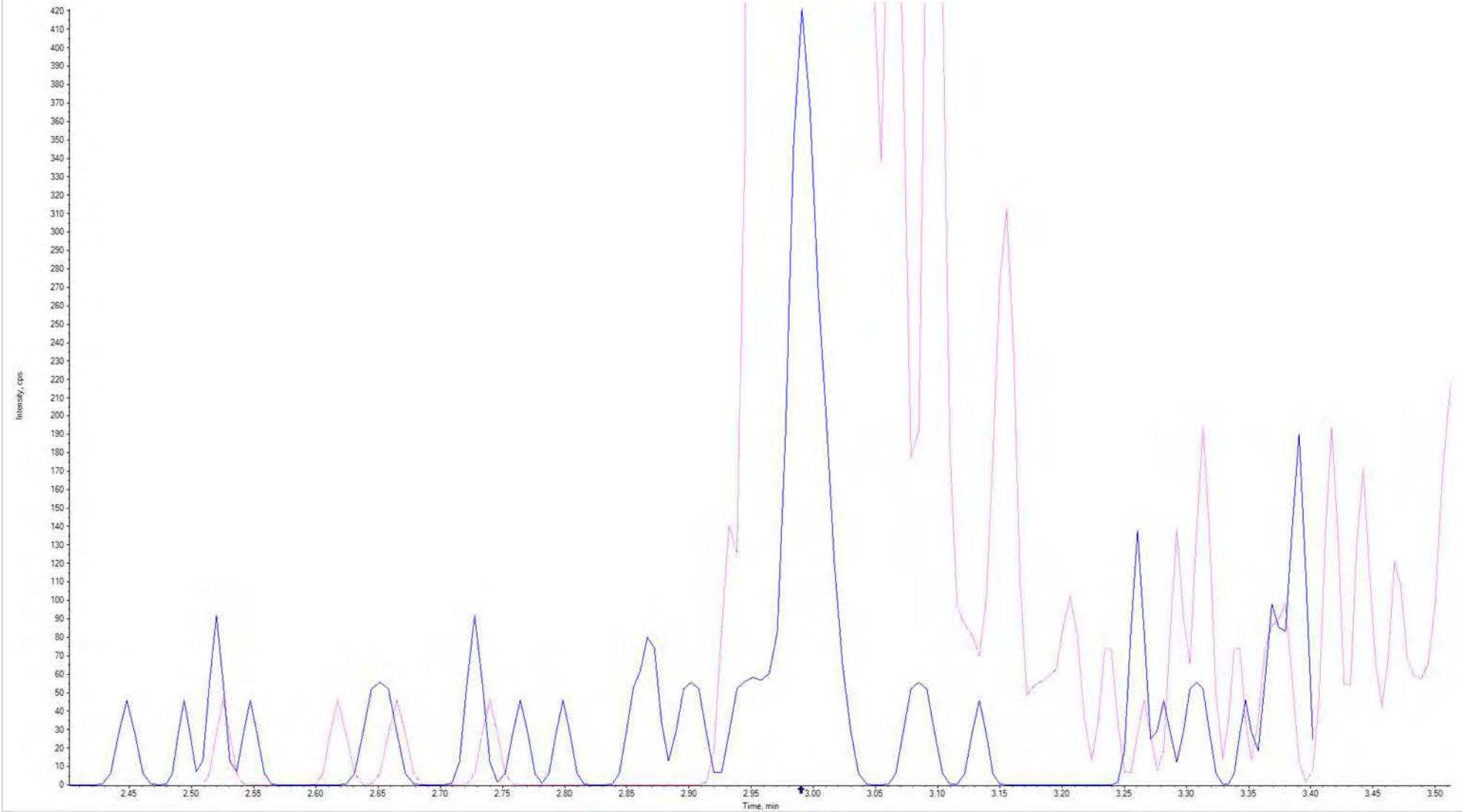


PFOA_2
Sample: L2512368-20 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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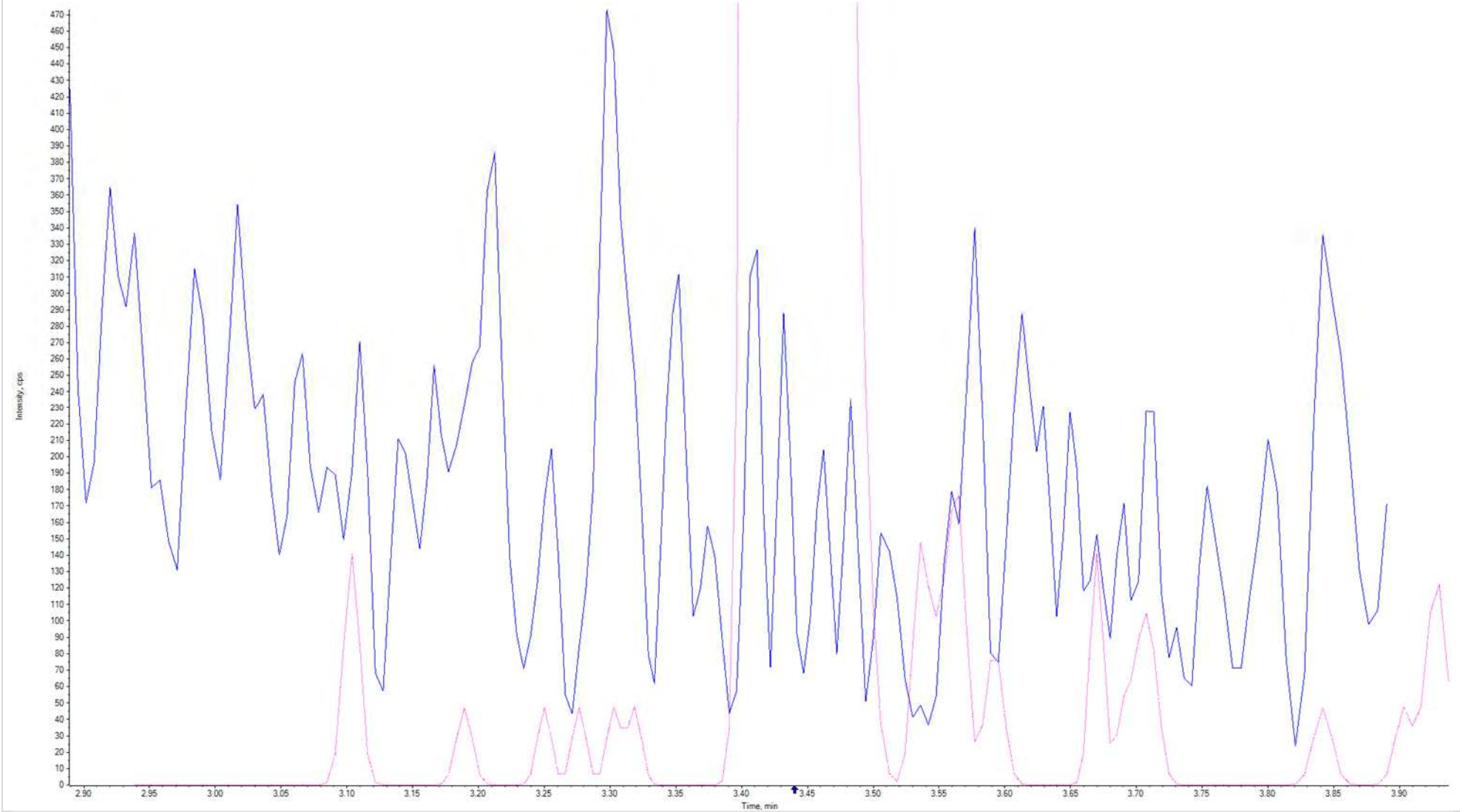
PFNA
Sample: L2512368-20 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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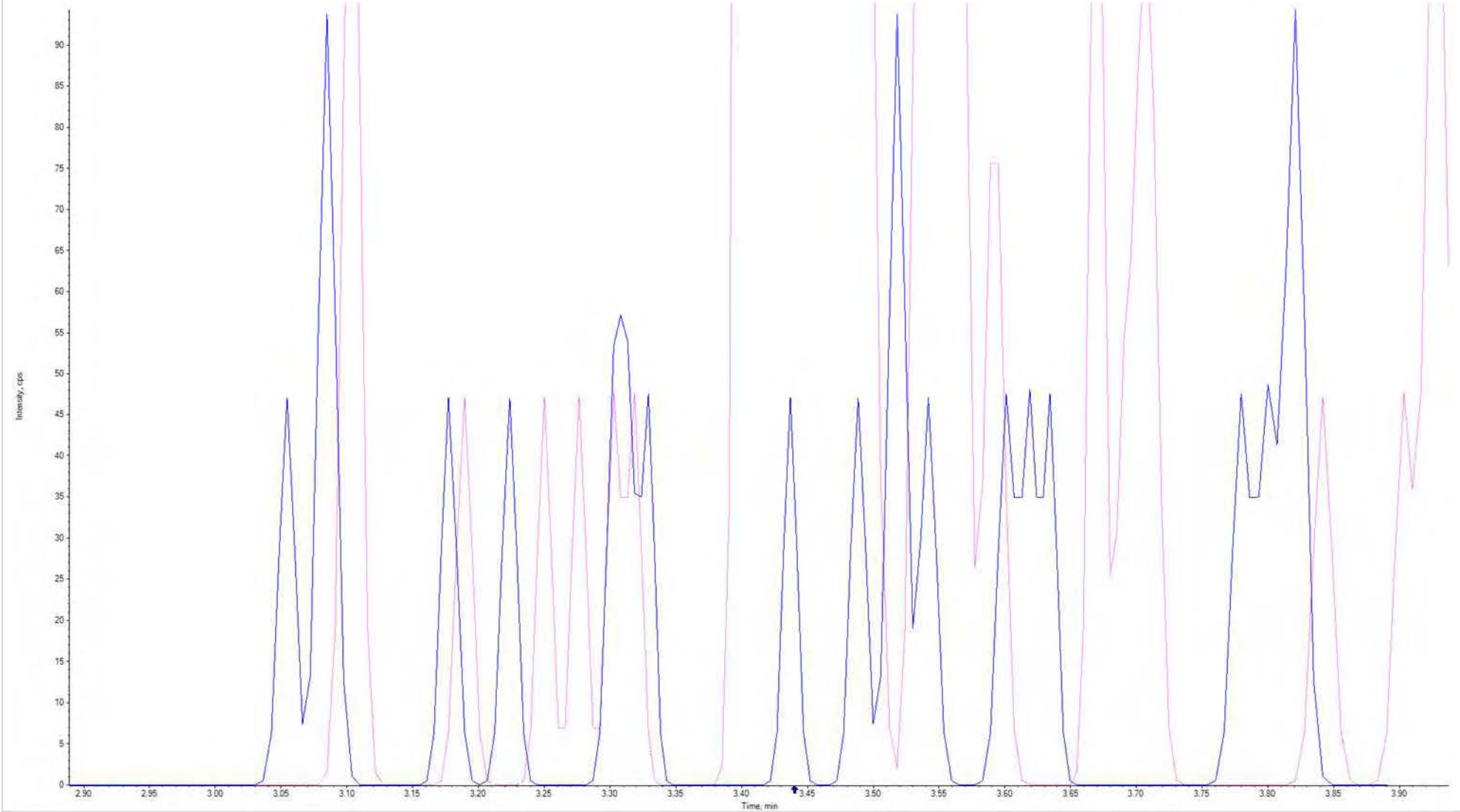
PFNA_2
Sample: L2512368-20 S/N:N/A Points Across peak:N/A



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PFDA
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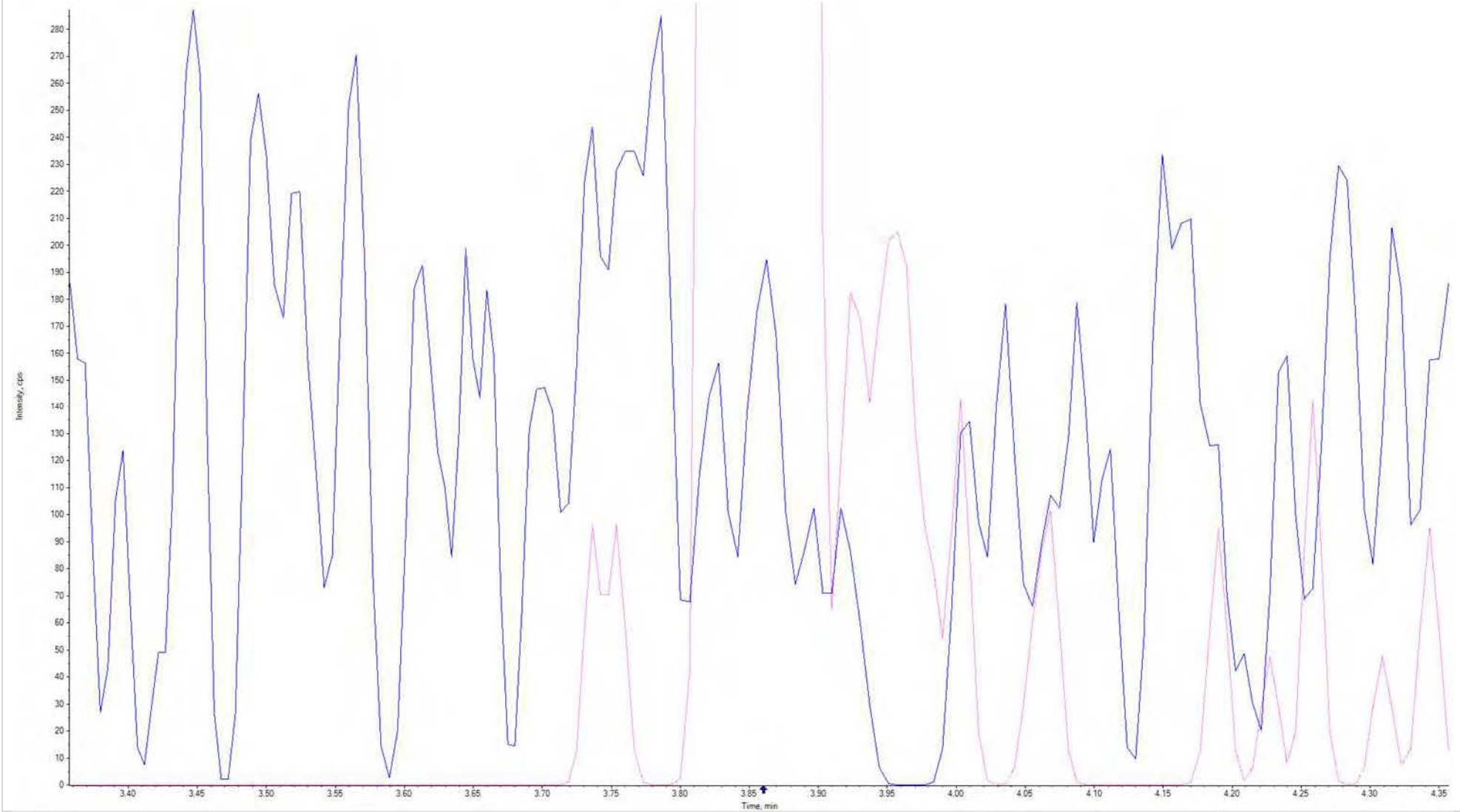

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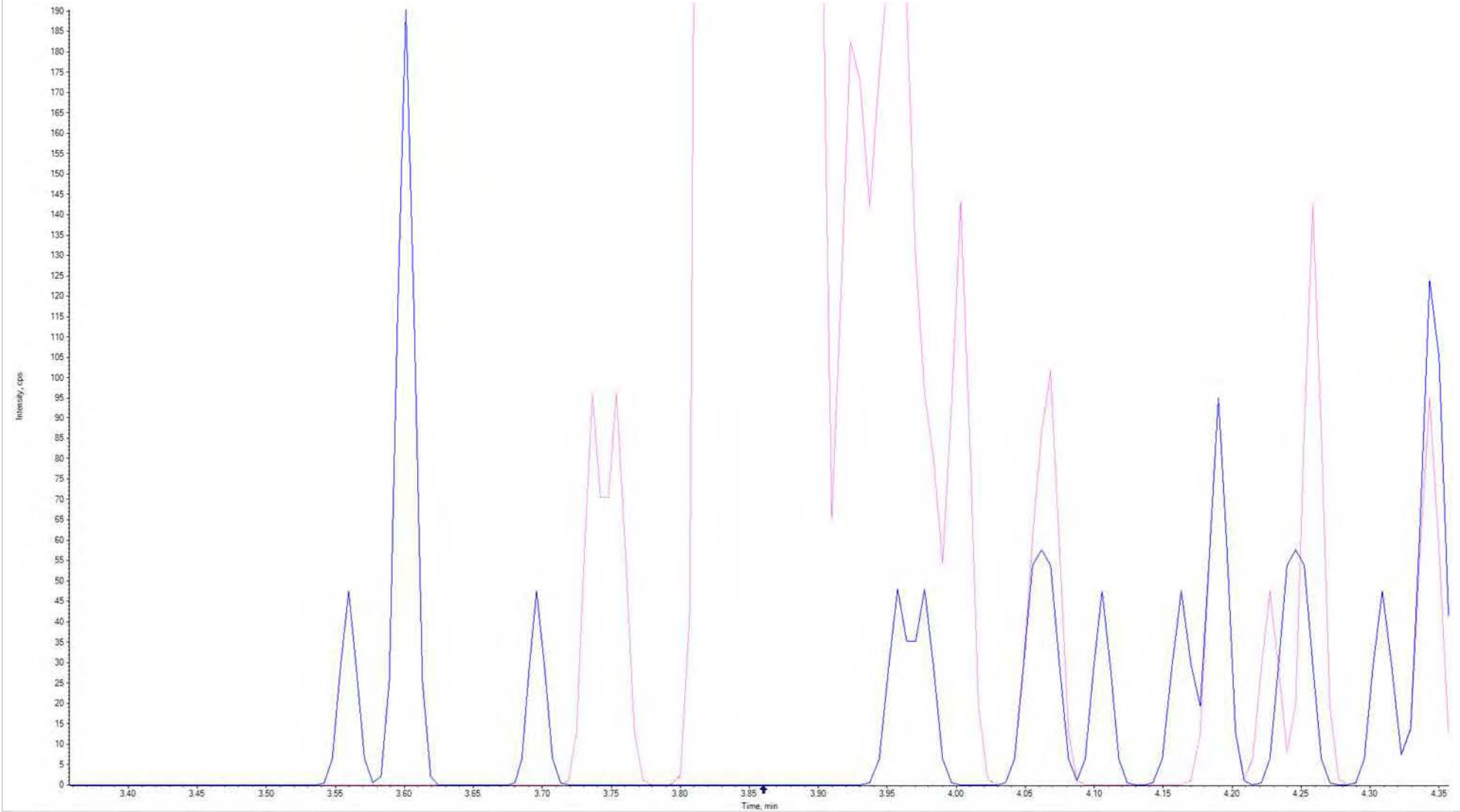
PFDA_2
Sample: L2512368-20 S/N:N/A Points Across peak:N/A



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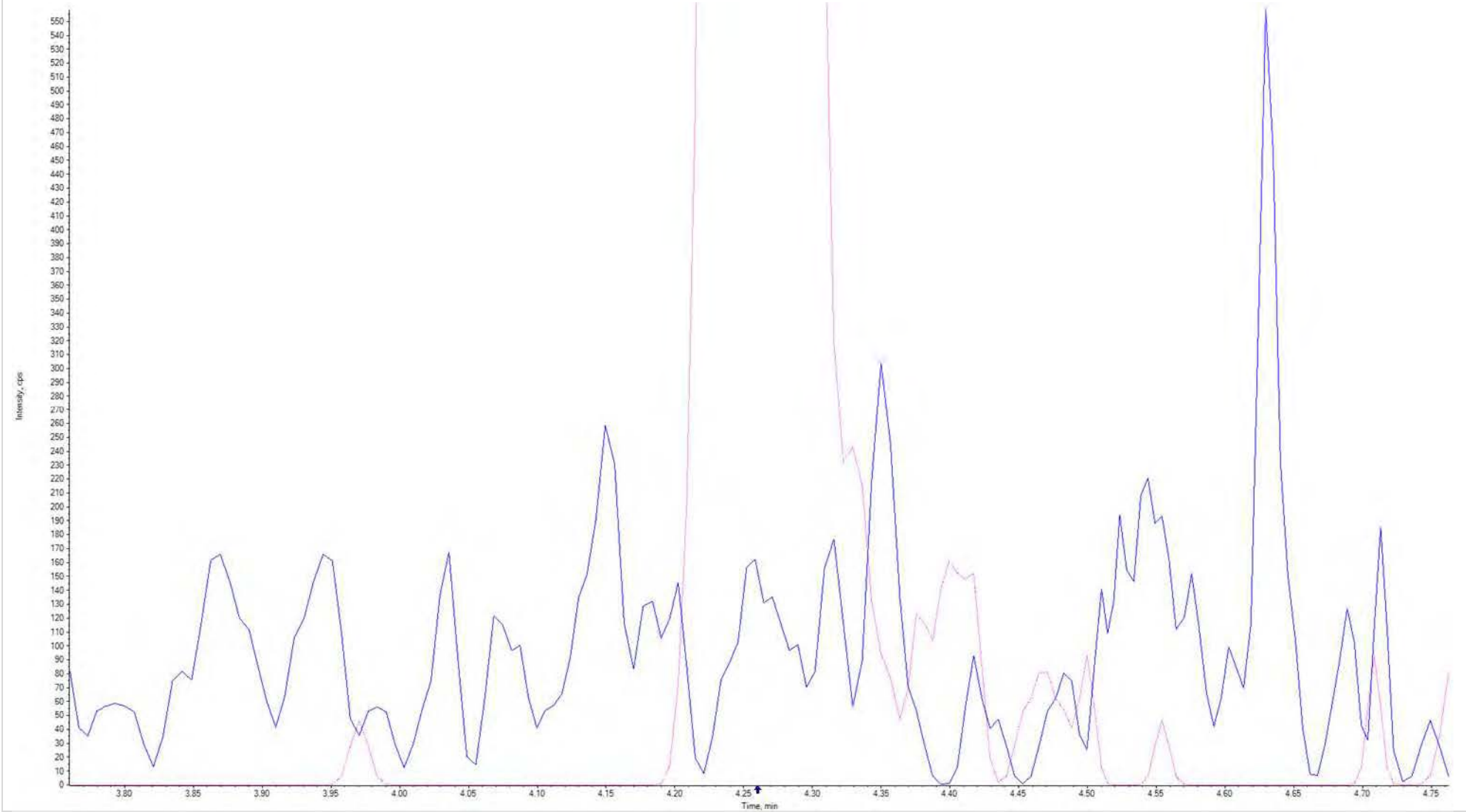
PFUnA
Sample: L2512368-20 S/N:N/A Points Across peak:N/A



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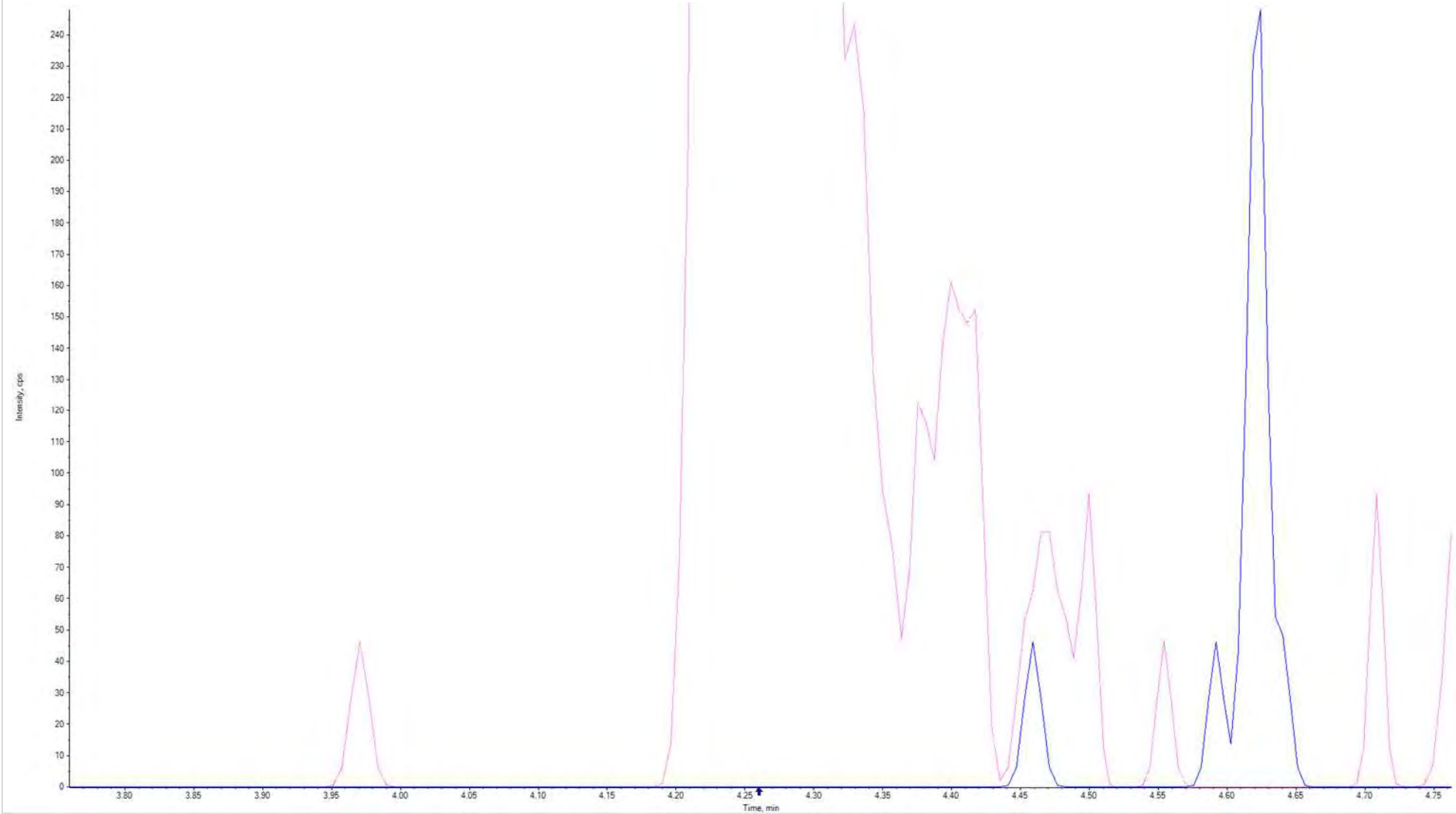
PFUnA_2
Sample: L2512368-20 S/N:N/A Points Across peak:N/A



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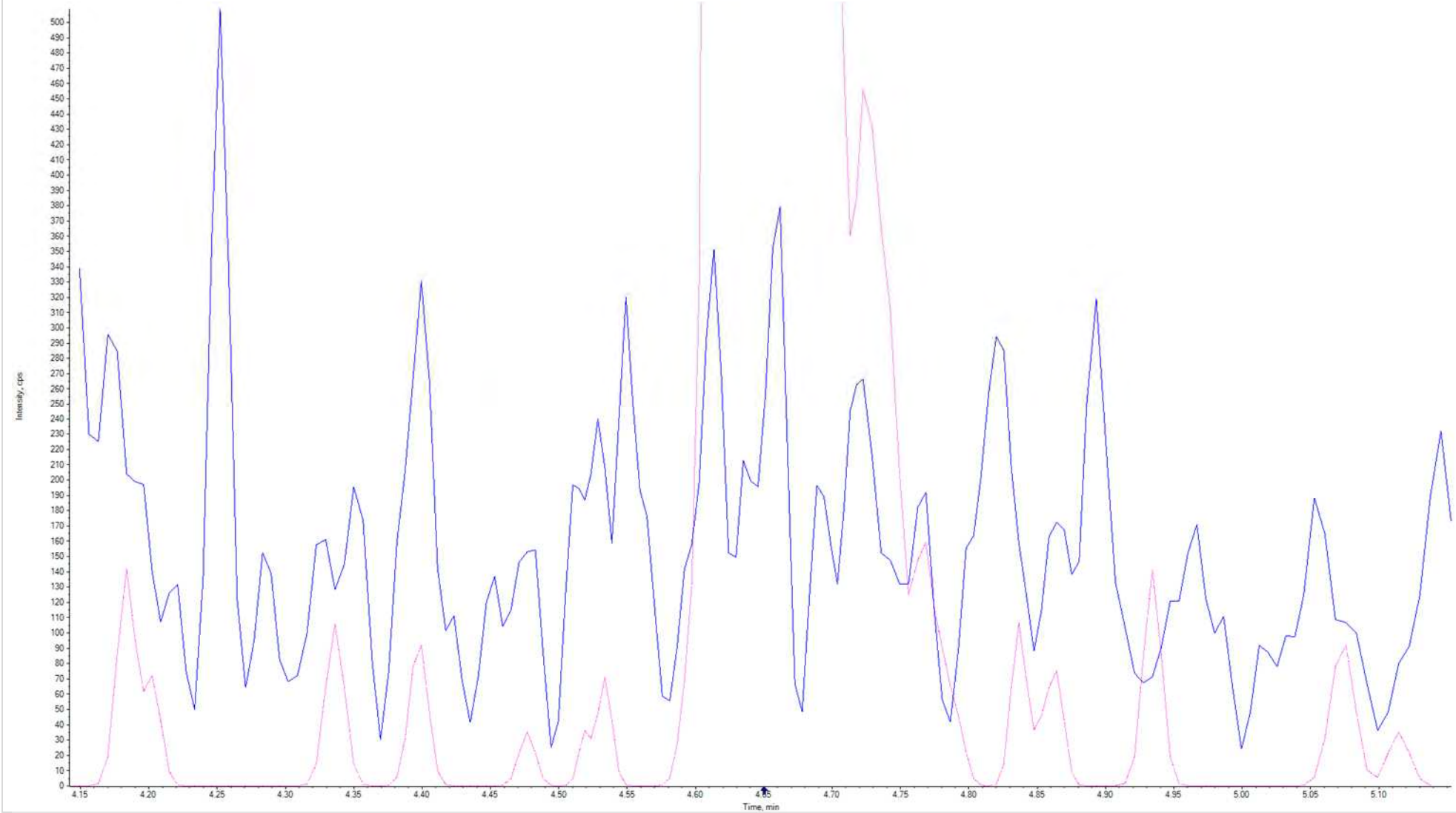
PFDoA
Sample: L2512368-20 S/N:N/A Points Across peak:N/A



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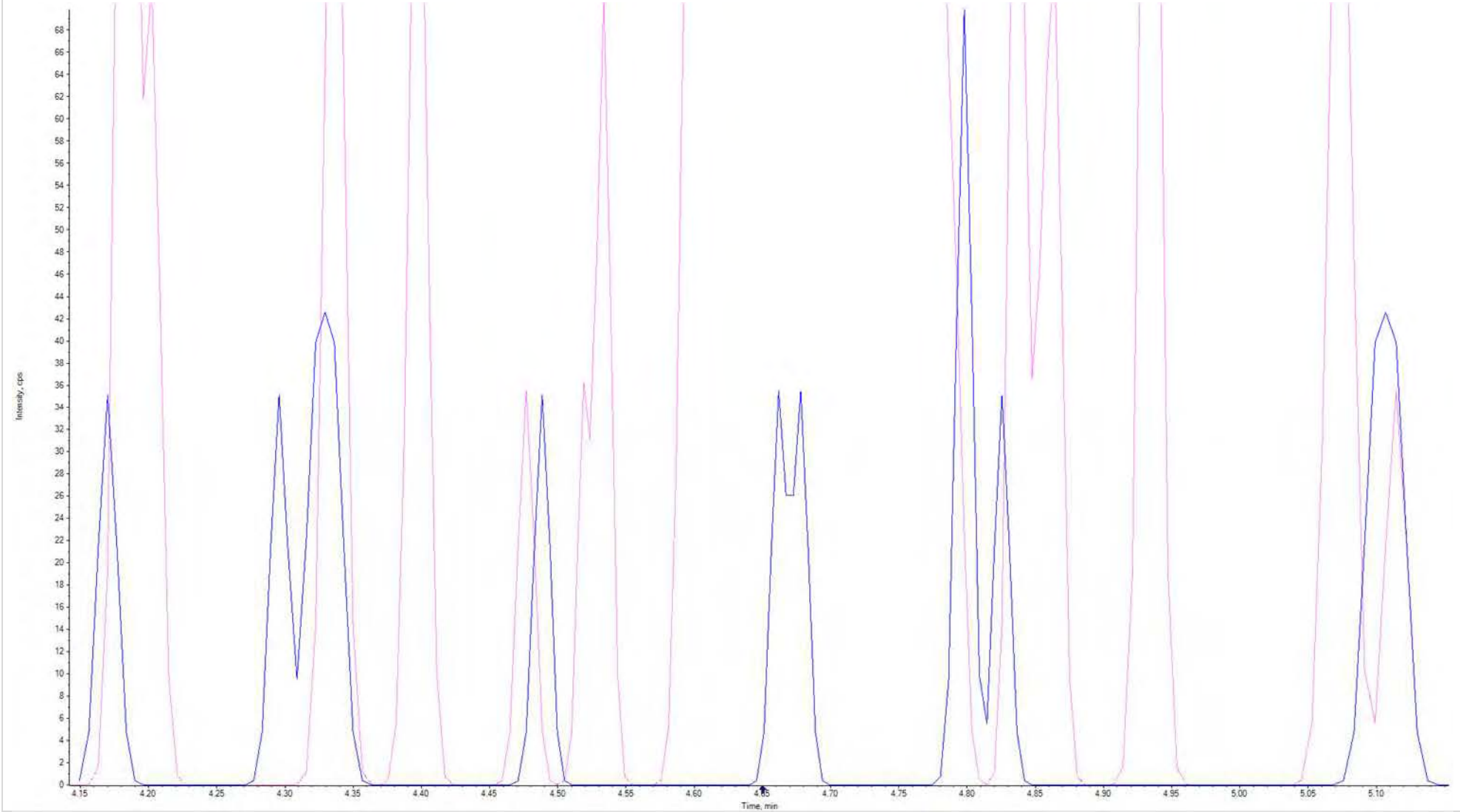
PFDoA_2
Sample: L2512368-20 S/N:N/A Points Across peak:N/A



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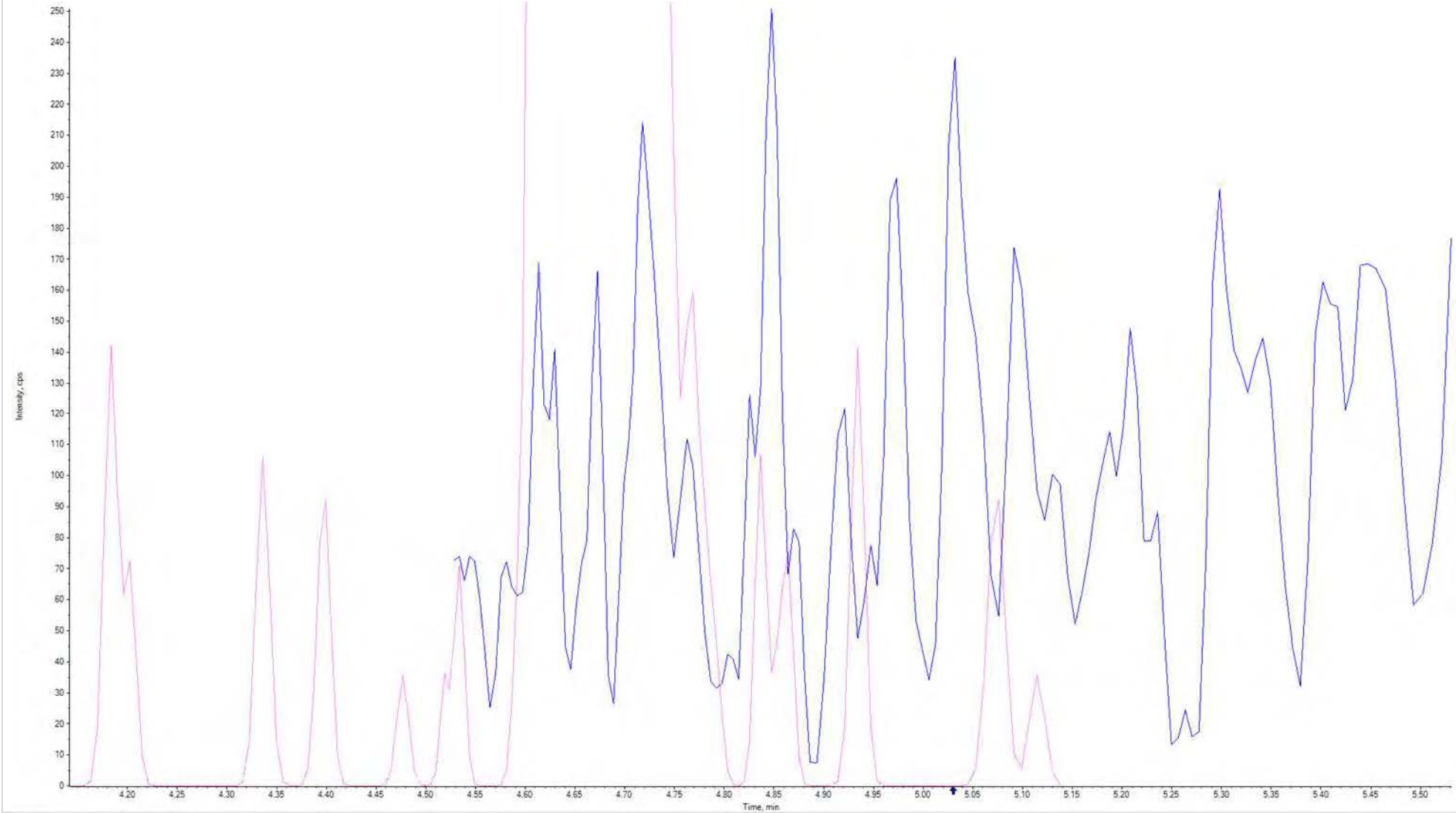
PFTrDA
Sample: L2512368-20 S/N:N/A Points Across peak:N/A



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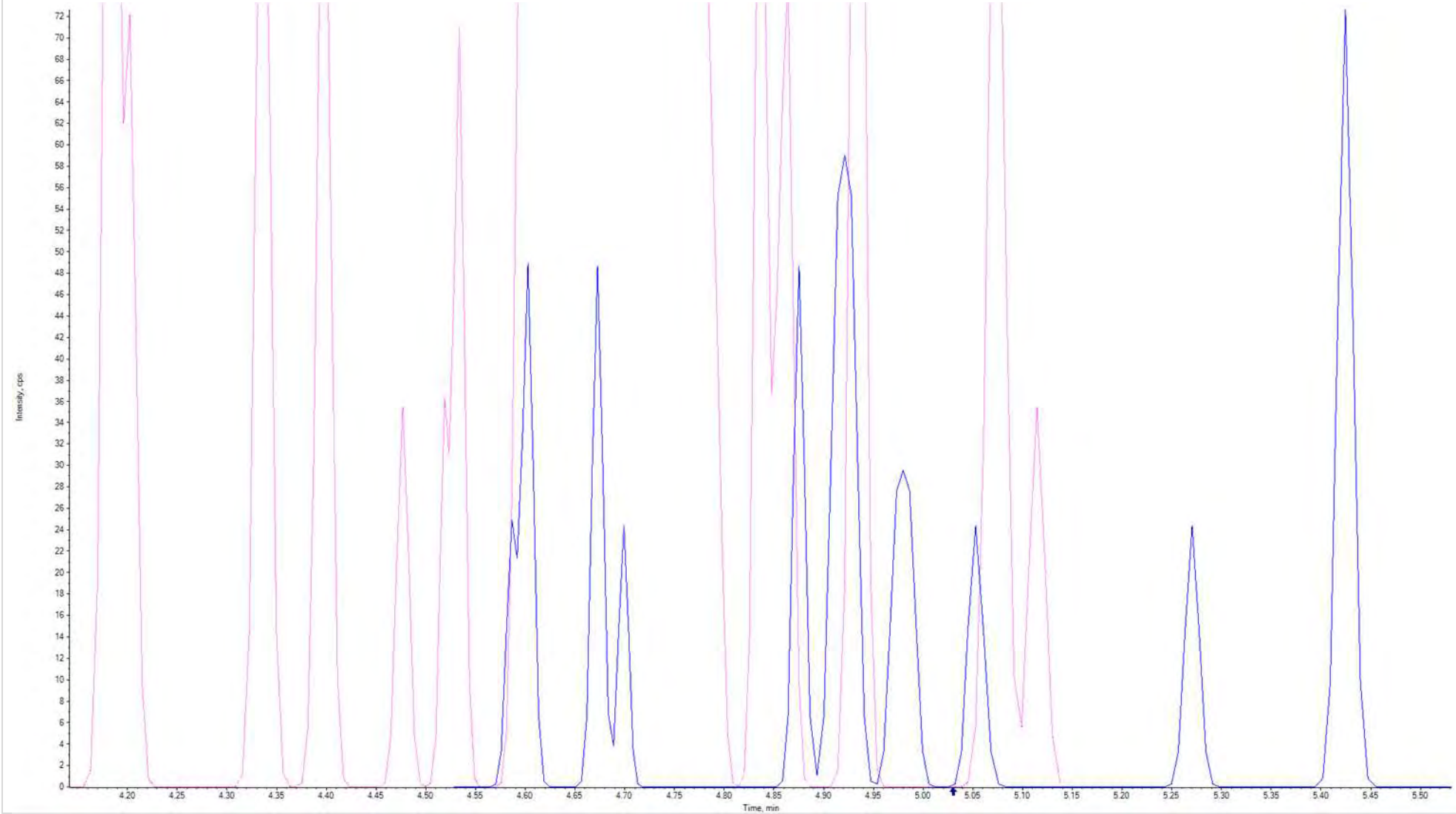
PFTrDA_2
Sample: L2512368-20 S/N:N/A Points Across peak:N/A



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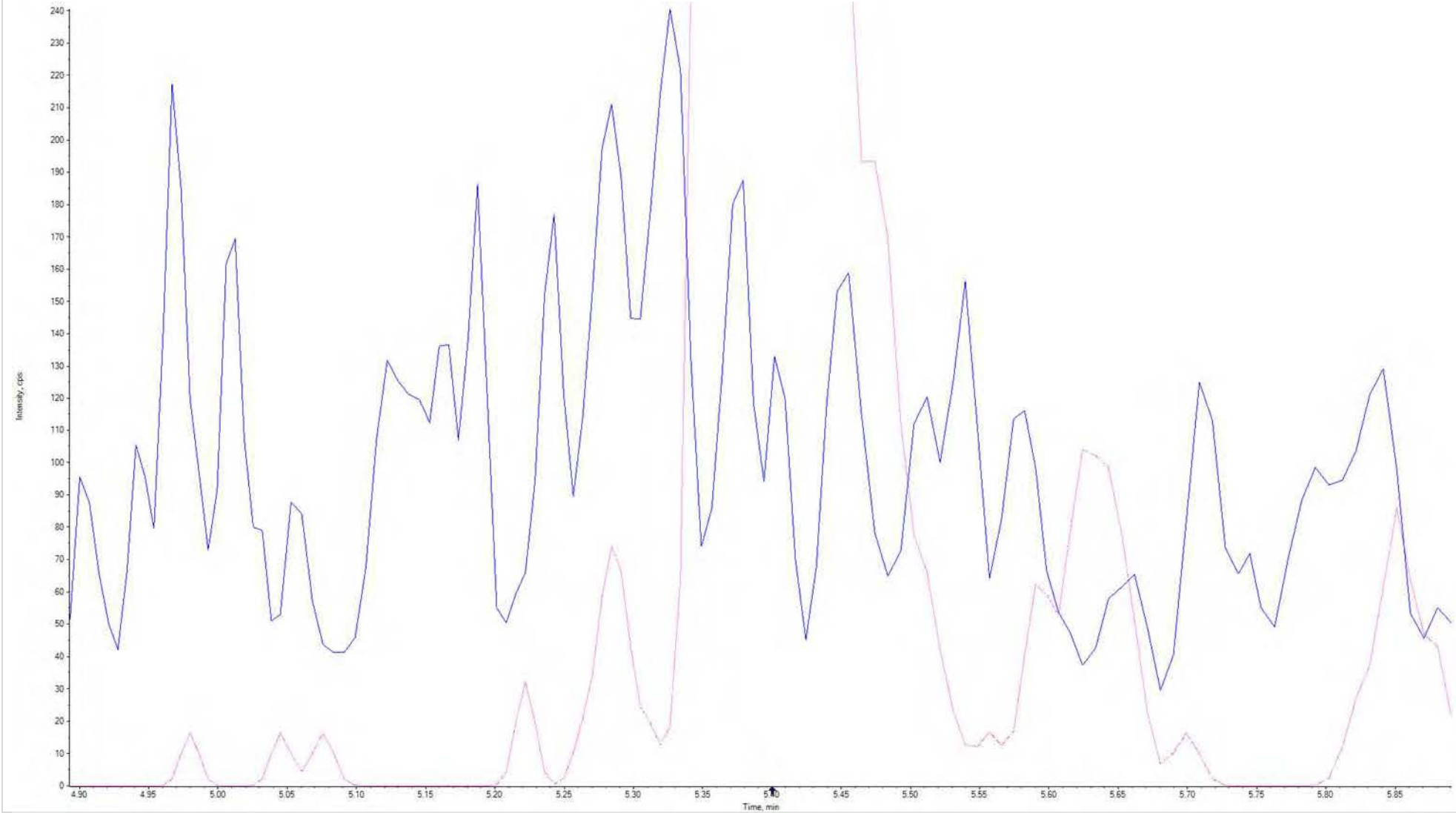
PFTeDA
Sample: L2512368-20 S/N:N/A Points Across peak:N/A



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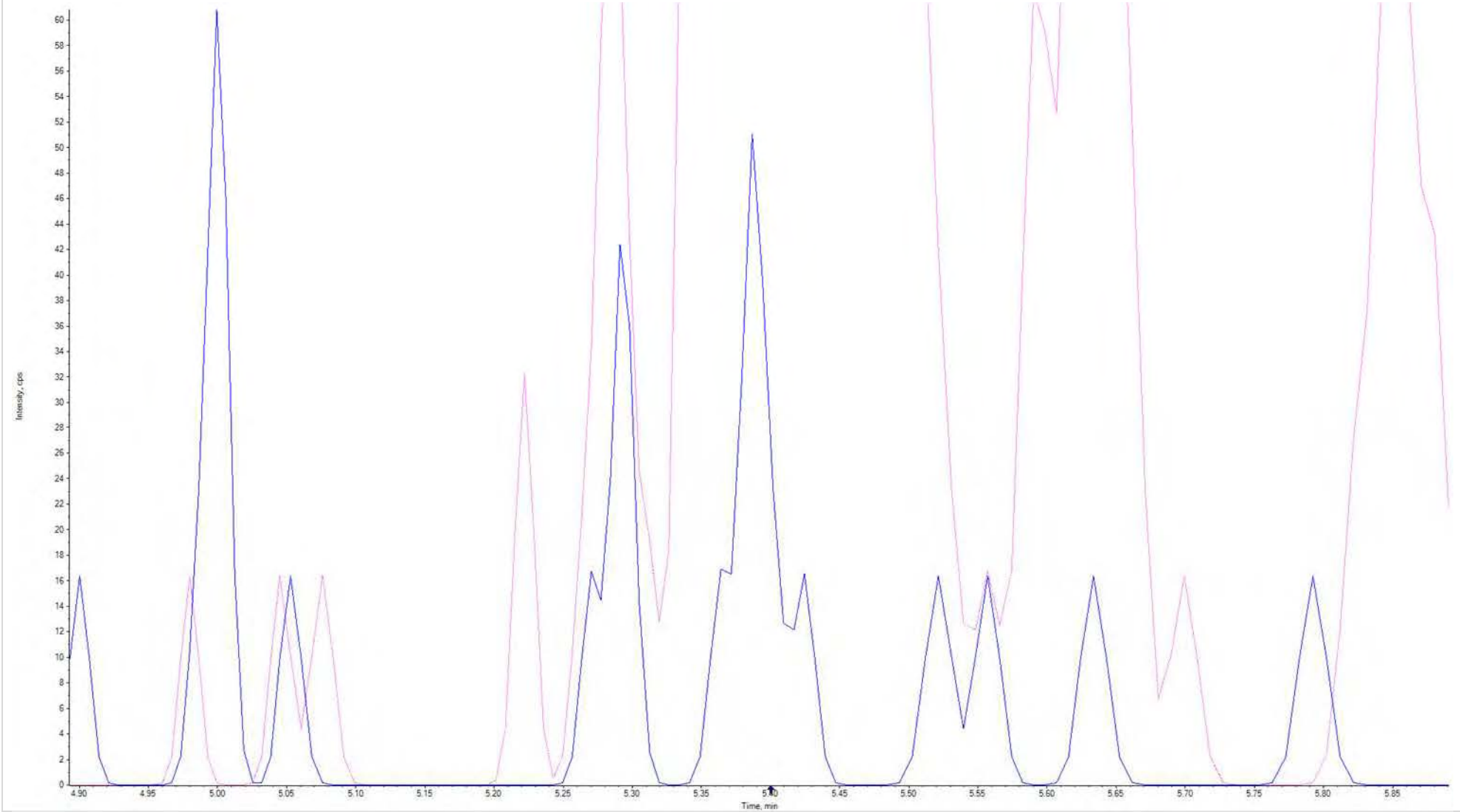
PFTeDA_2
Sample: L2512368-20 S/N:N/A Points Across peak:N/A



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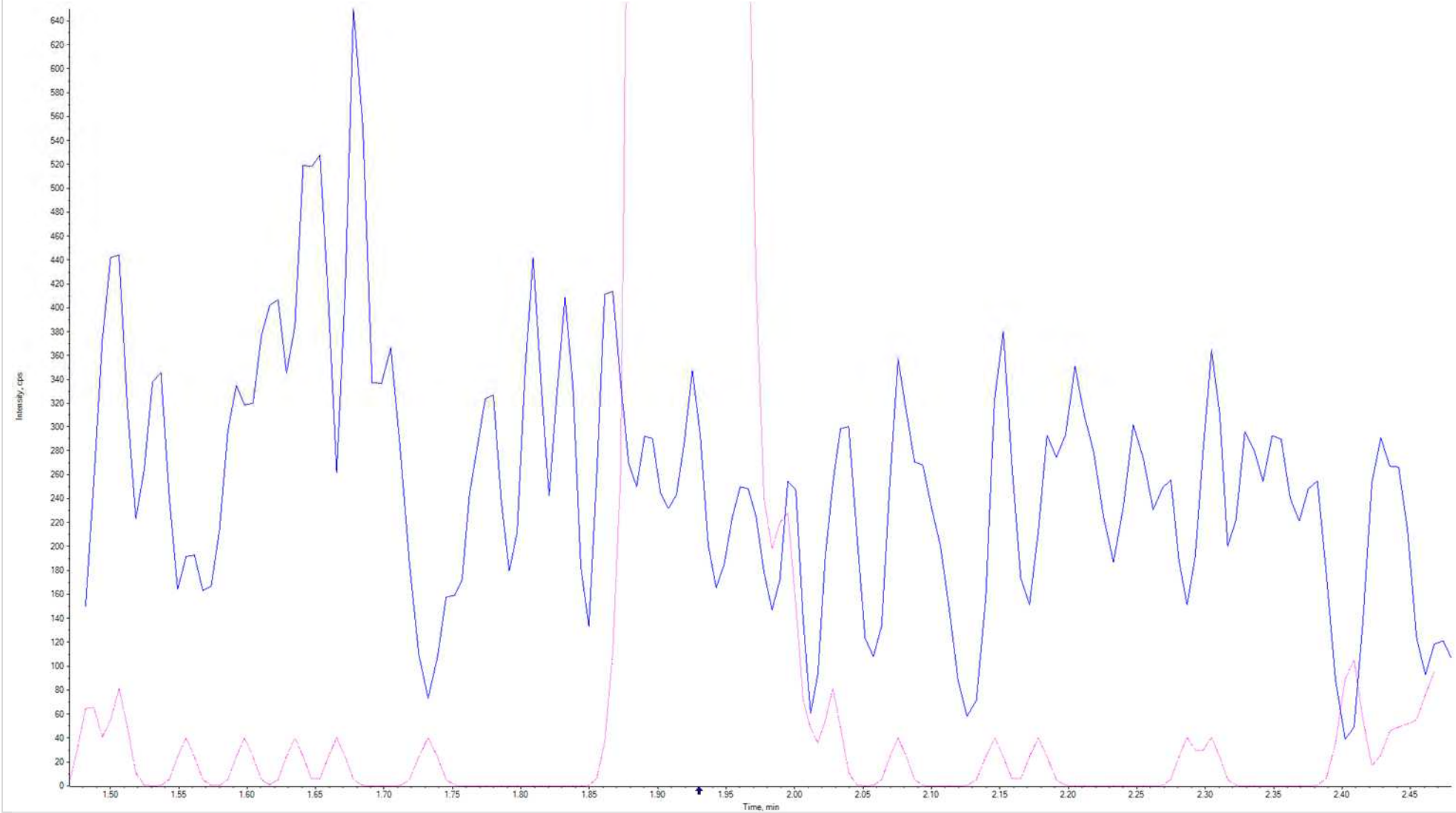
PFBS
Sample: L2512368-20 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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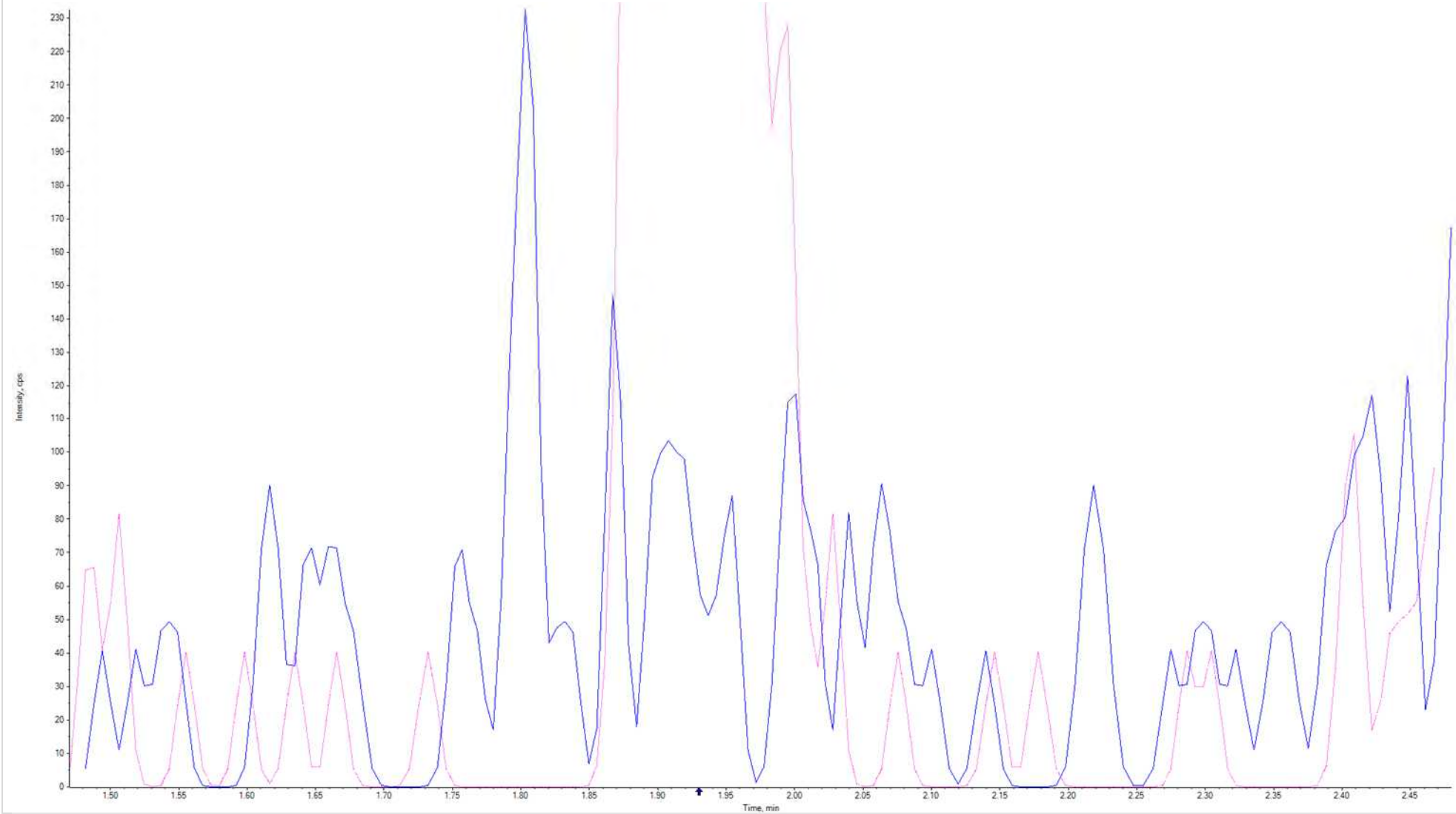
PFBS_2
Sample: L2512368-20 S/N:N/A Points Across peak:N/A



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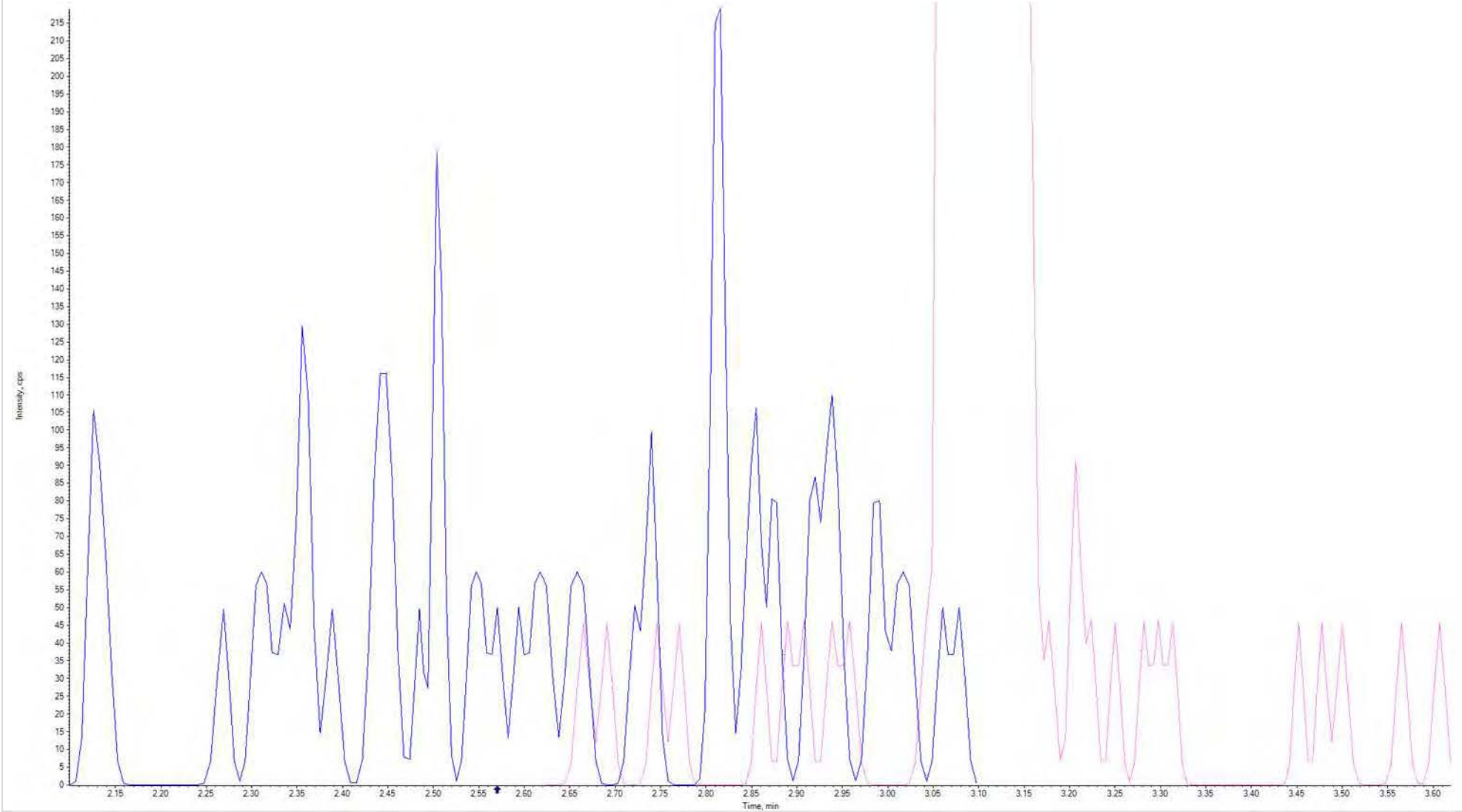
PFPeS
Sample: L2512368-20 S/N:N/A Points Across peak:N/A



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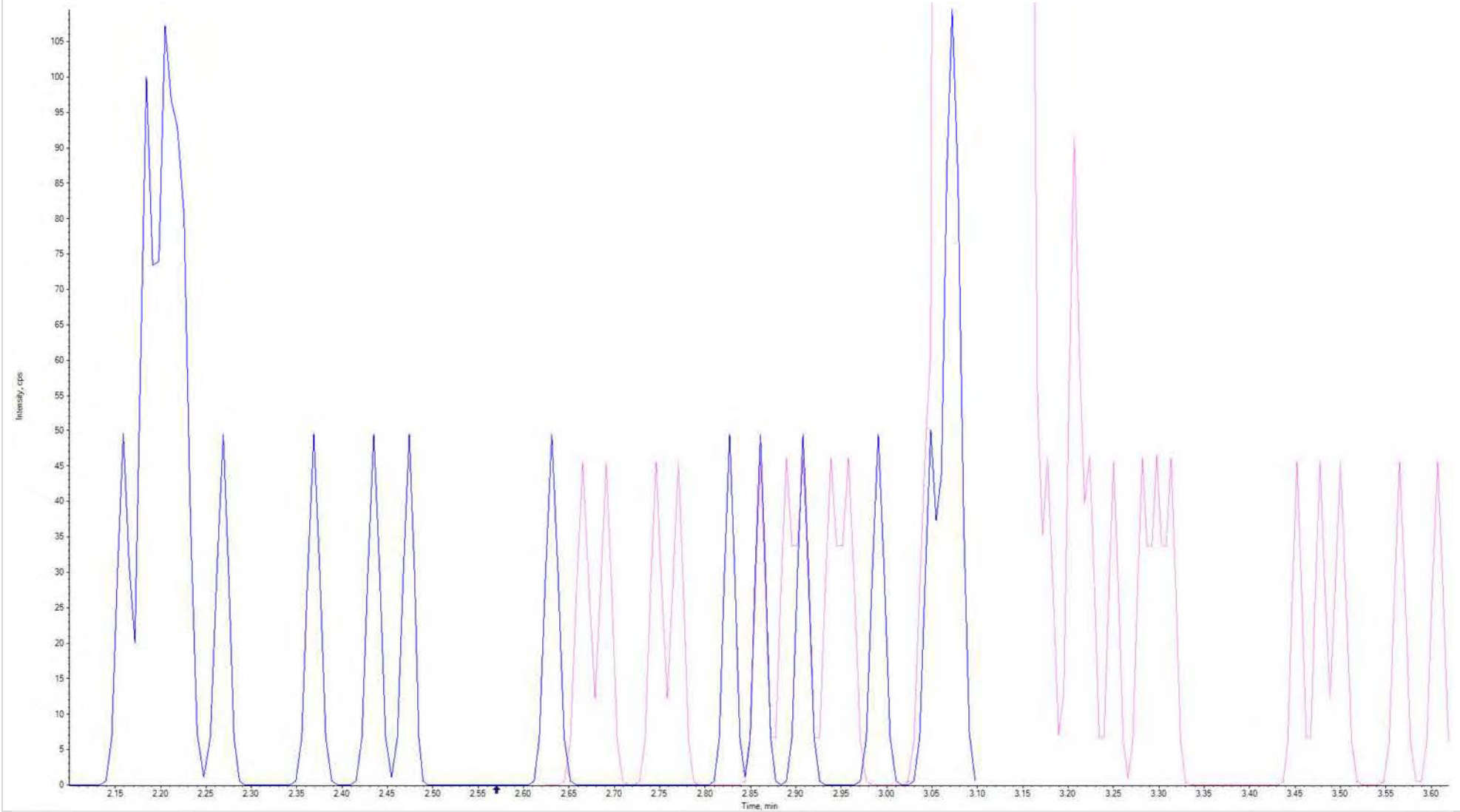
PFPeS_2
Sample: L2512368-20 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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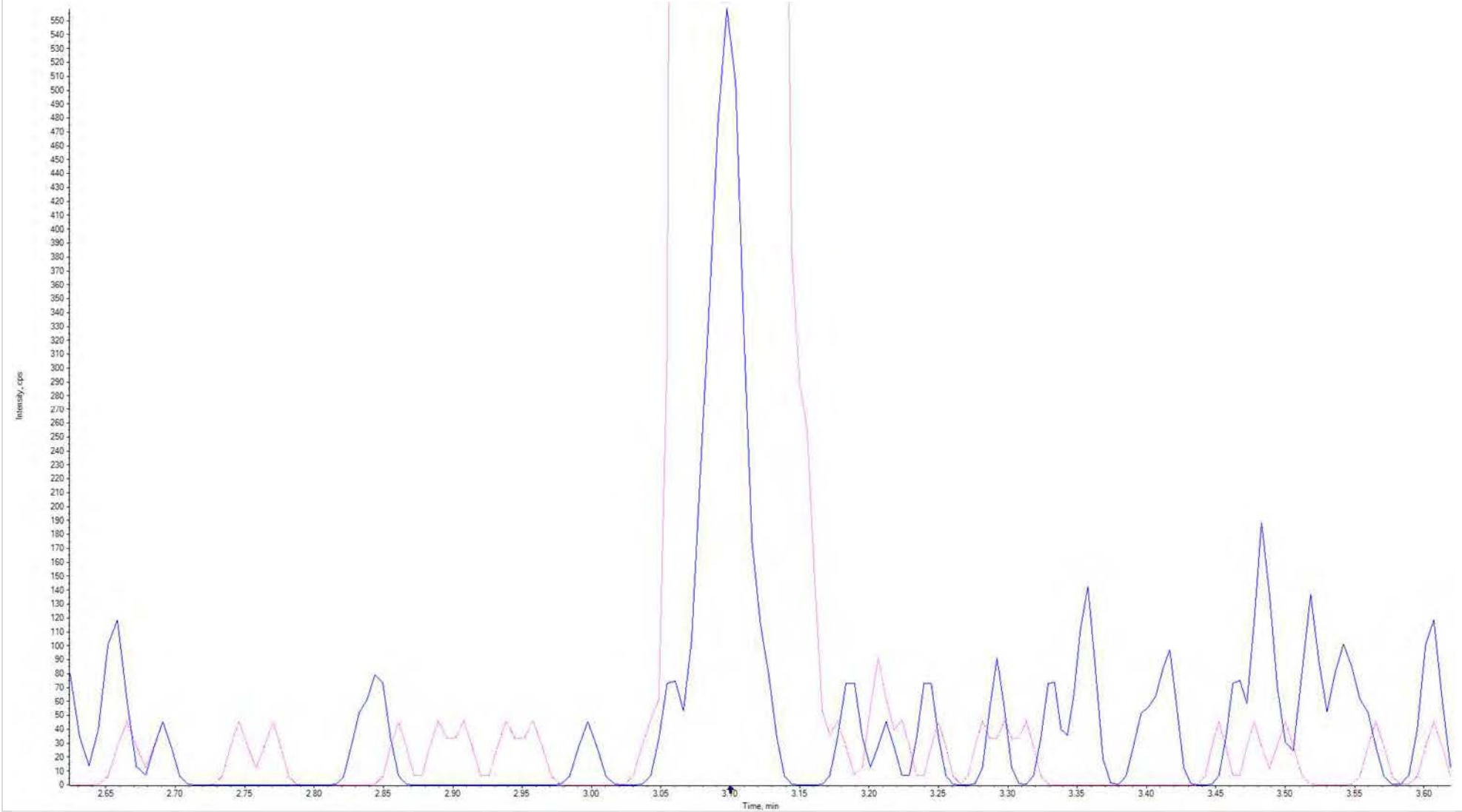
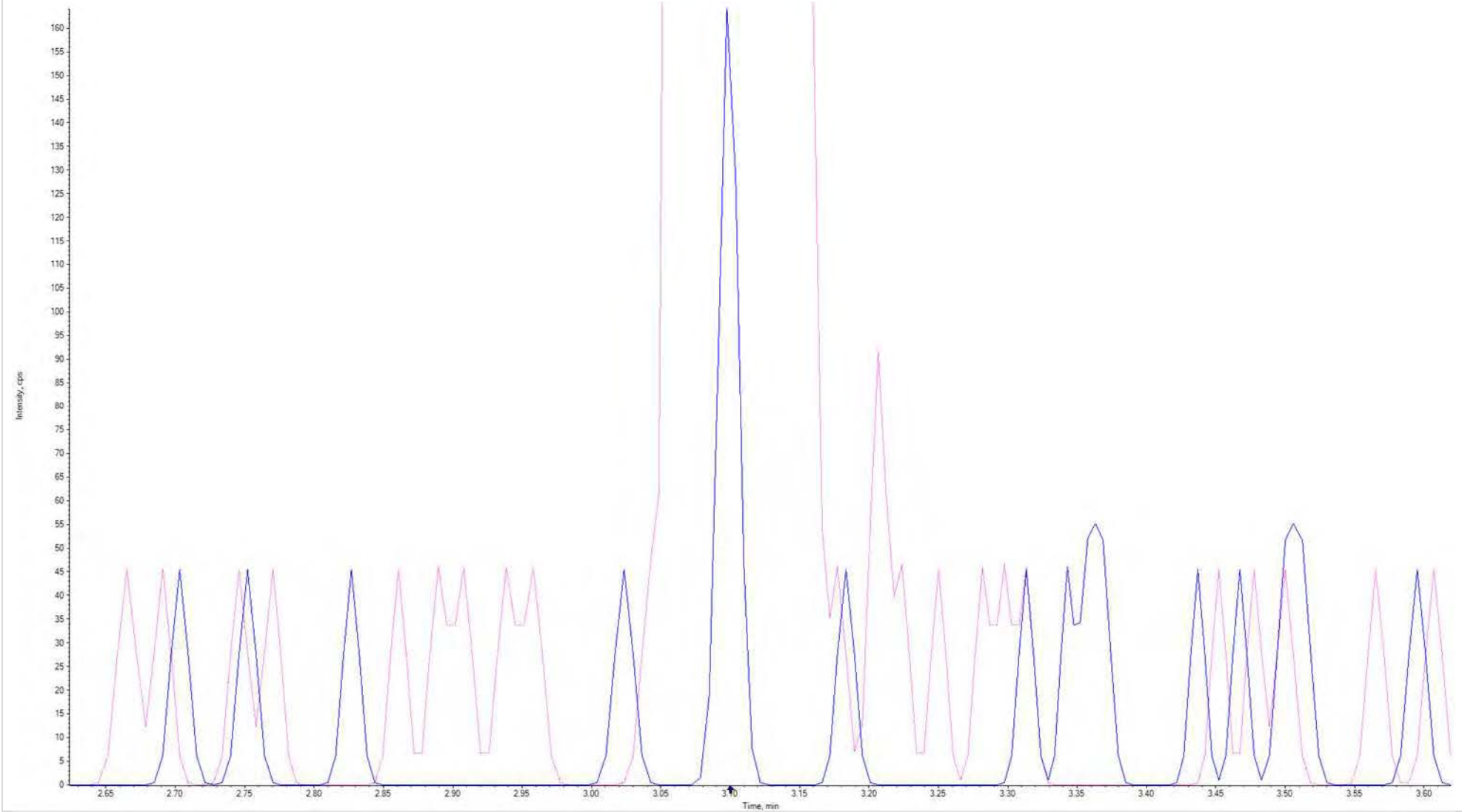
PFHxS
Sample: L2512368-20 S/N:N/A Points Across peak:N/A



PFHxS_2
Sample: L2512368-20 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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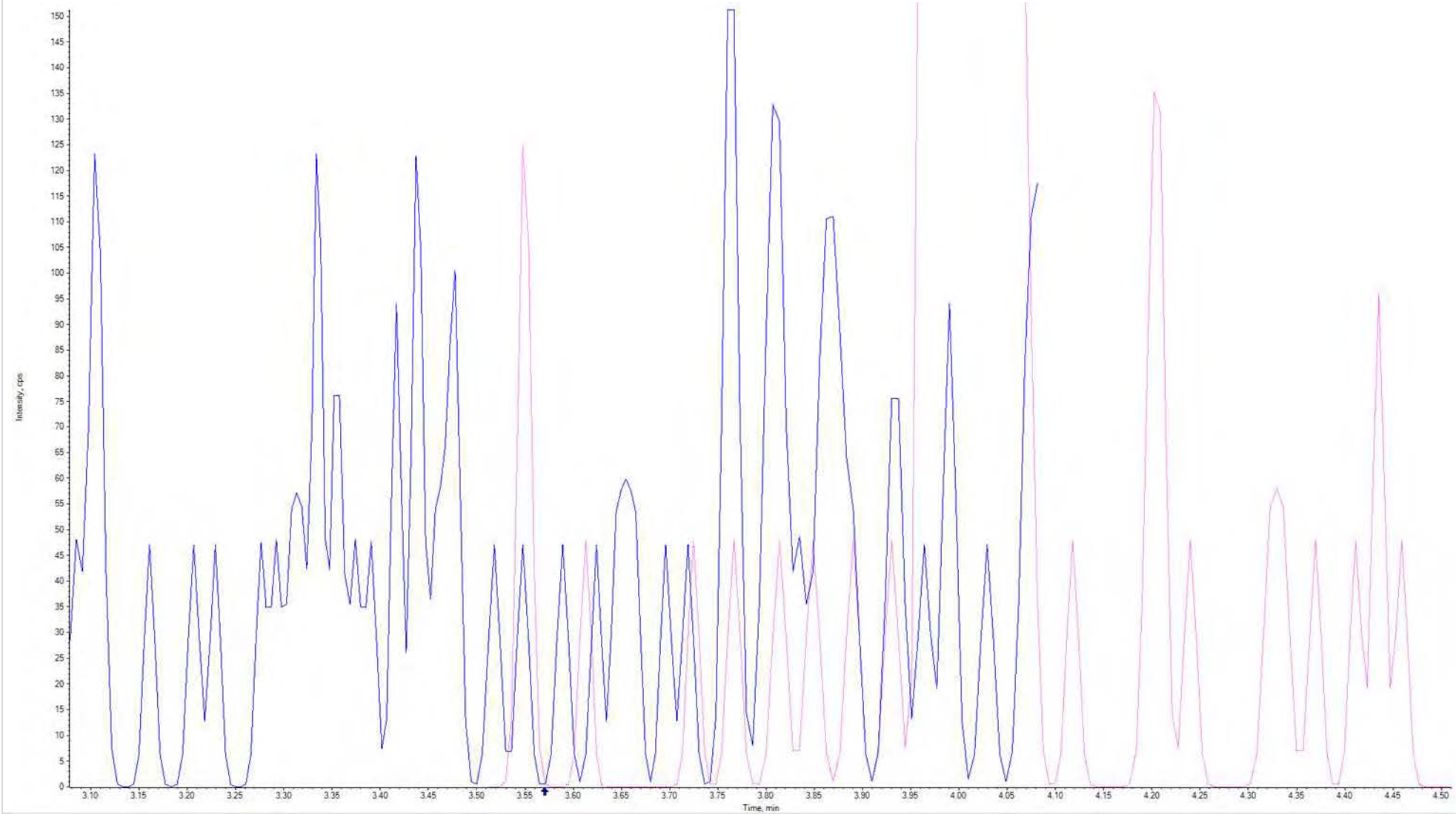
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

PFHpS
Sample: L2512368-20 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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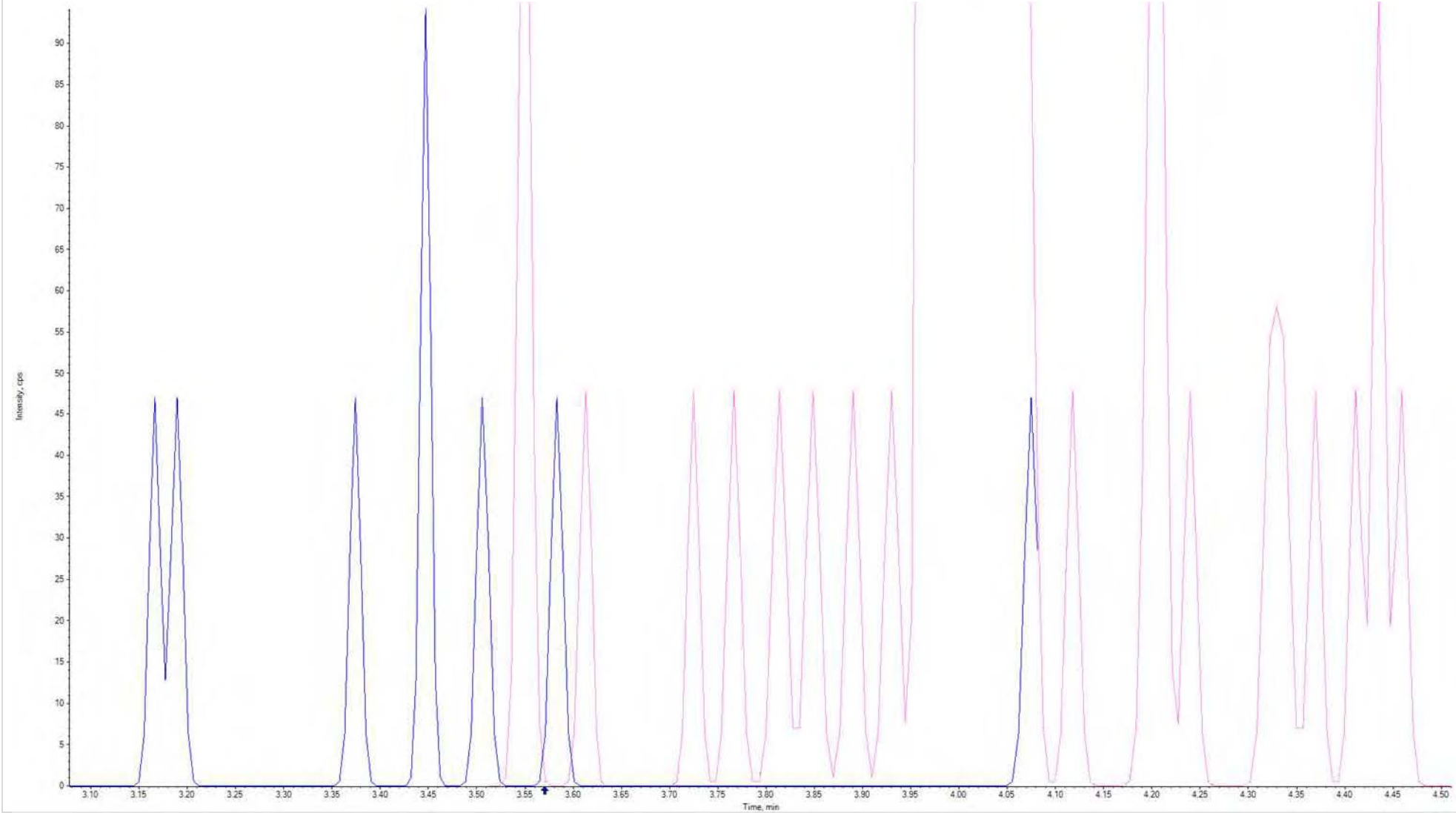
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

PFHpS_2
Sample: L2512368-20 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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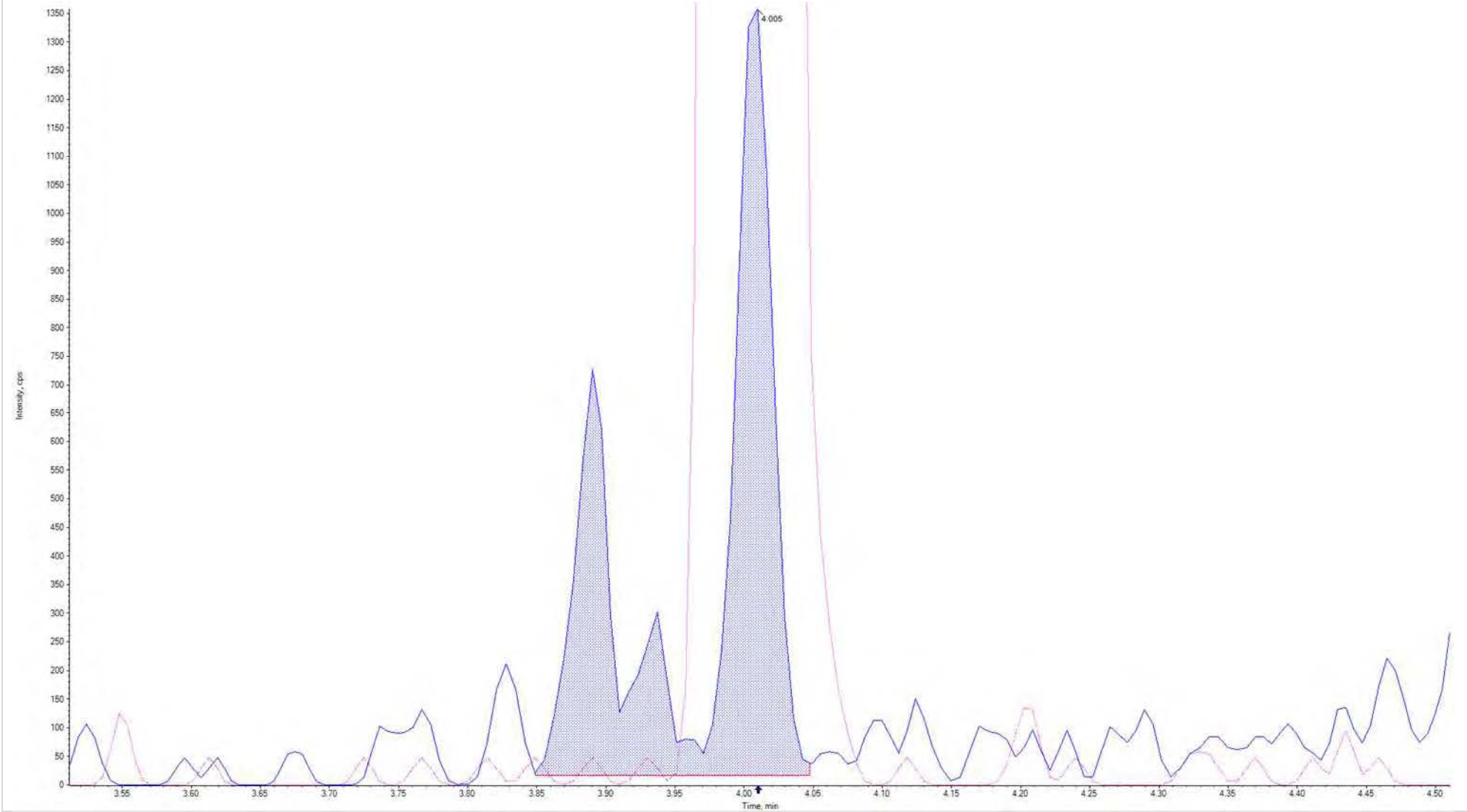
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

PFOS
Sample: L2512368-20 S/N:26.9 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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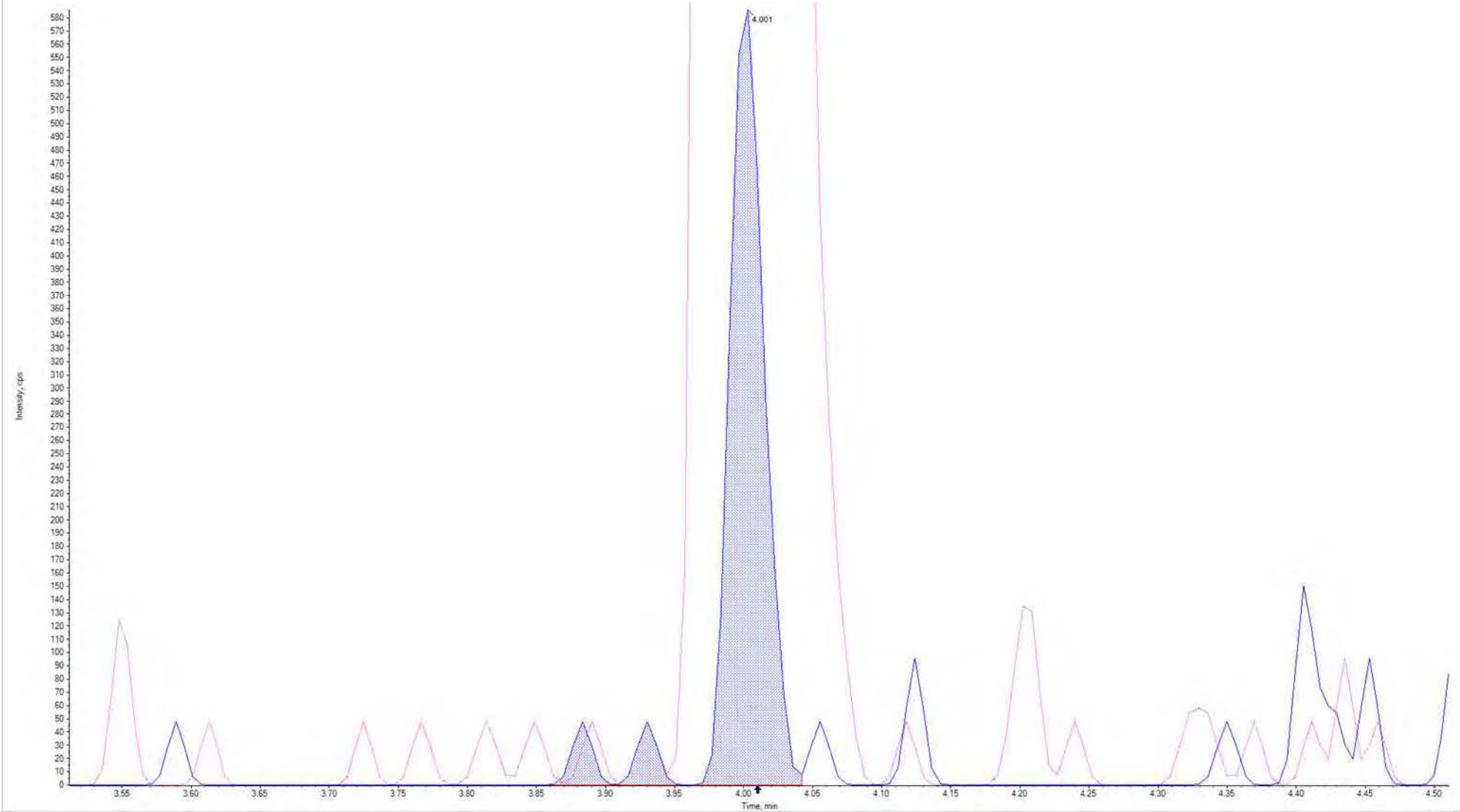
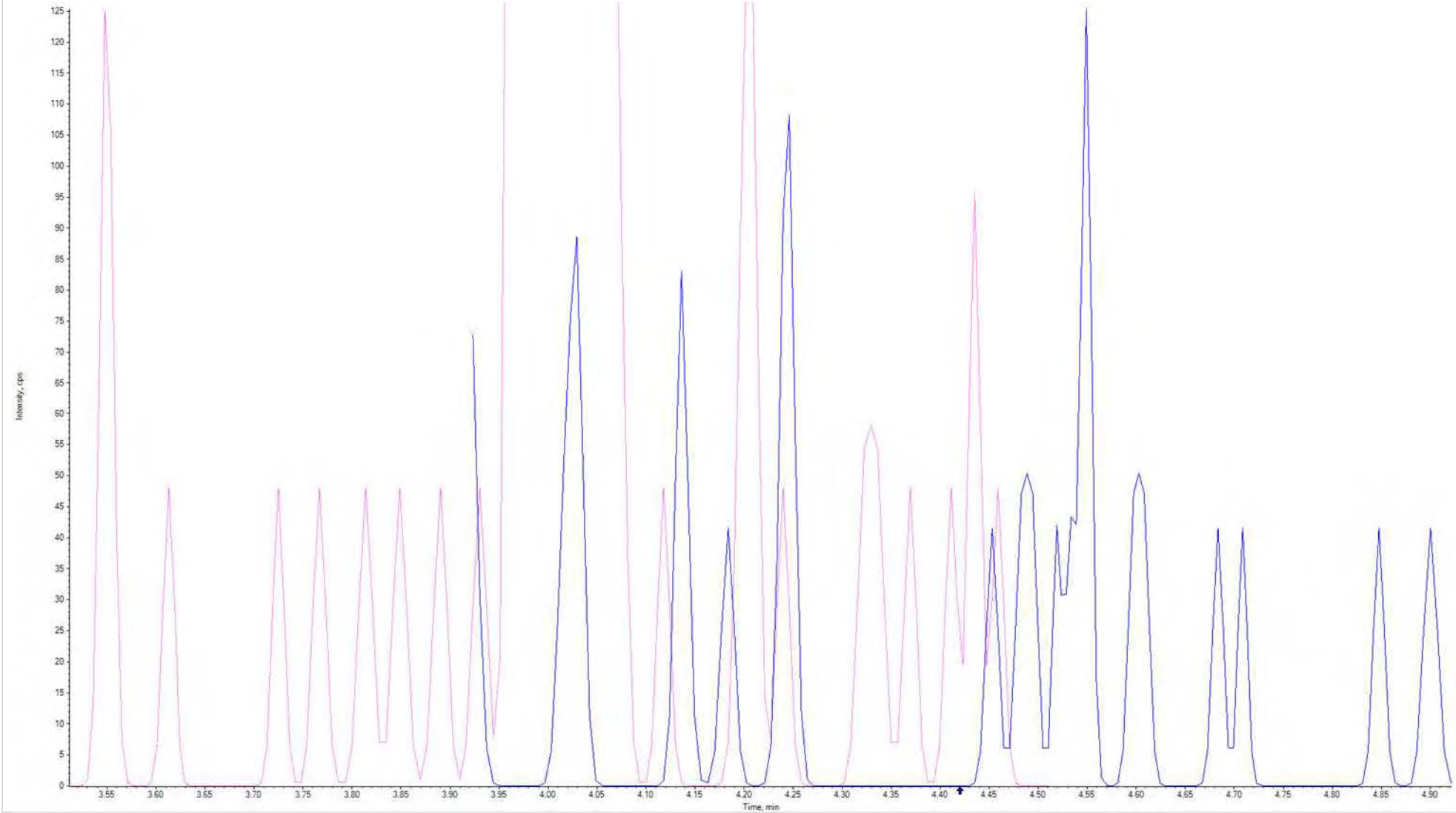
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

PFOS_2
Sample: L2512368-20 S/N:11.8 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\250311\SCI09_250311_35.wiff2_8
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

PFNS
Sample: L2512368-20 S/N:N/A Points Across peak:N/A



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Alpha Analytical LLC
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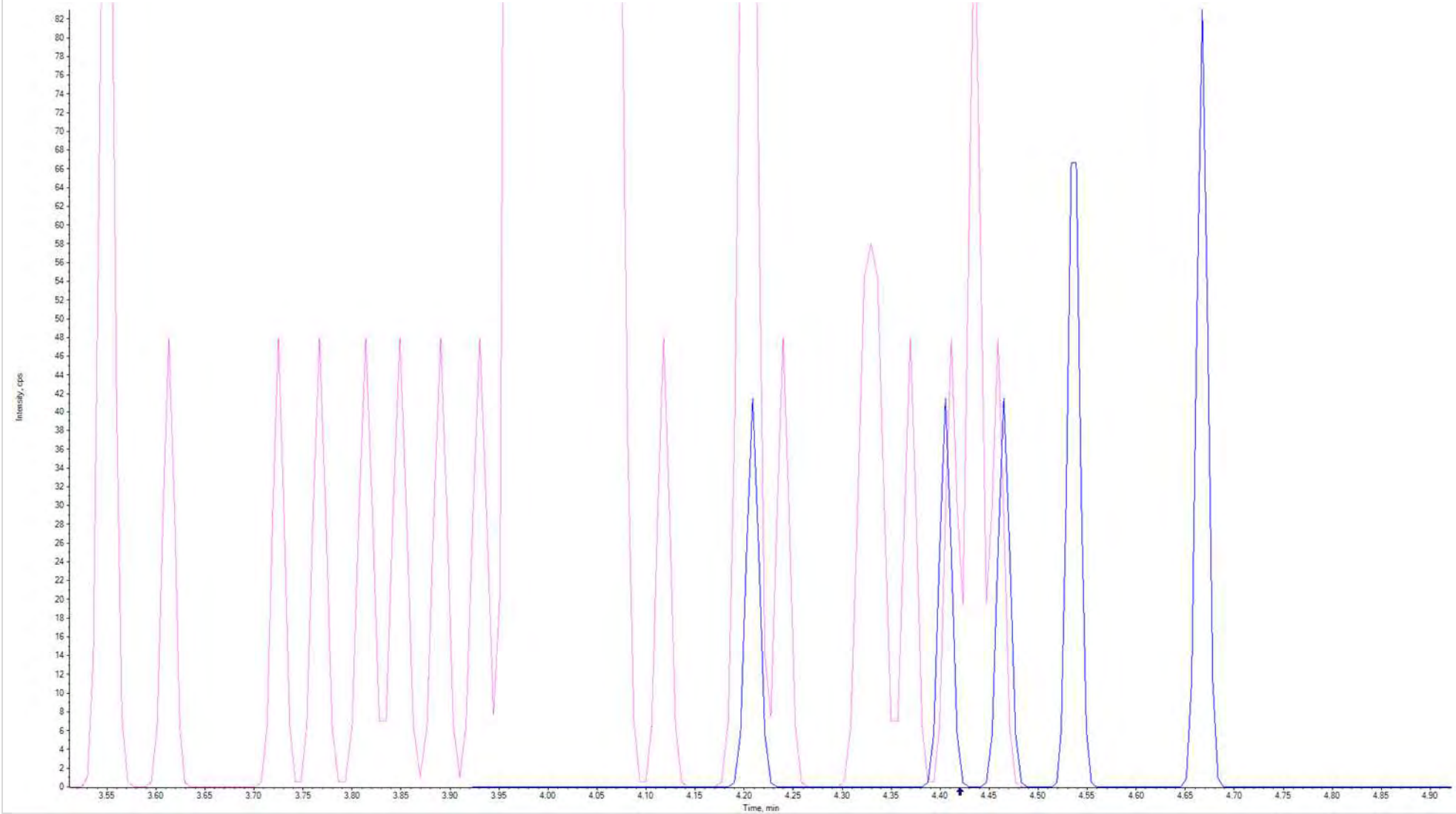
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

PFNS_2
Sample: L2512368-20 S/N:N/A Points Across peak:N/A



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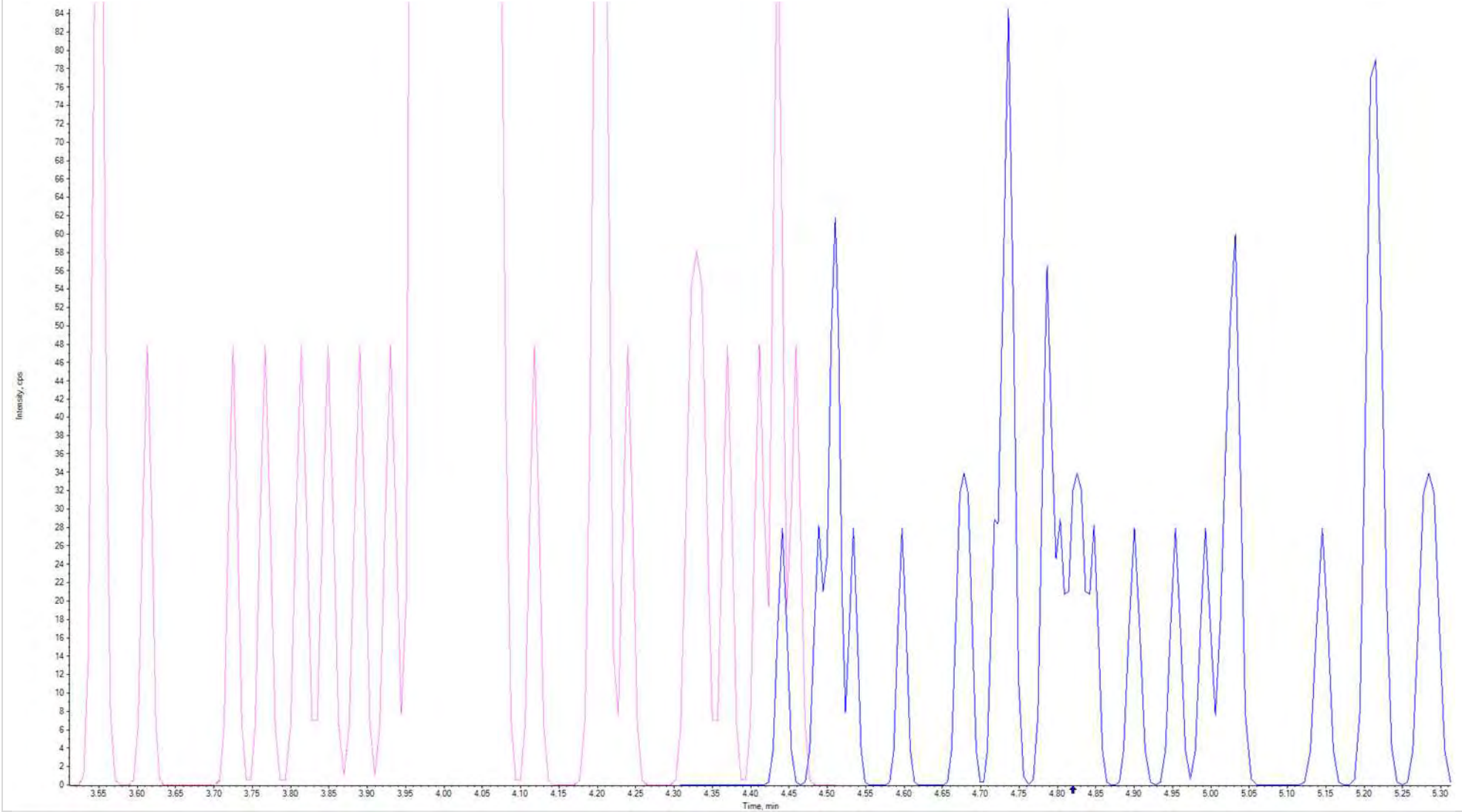
PFDS
Sample: L2512368-20 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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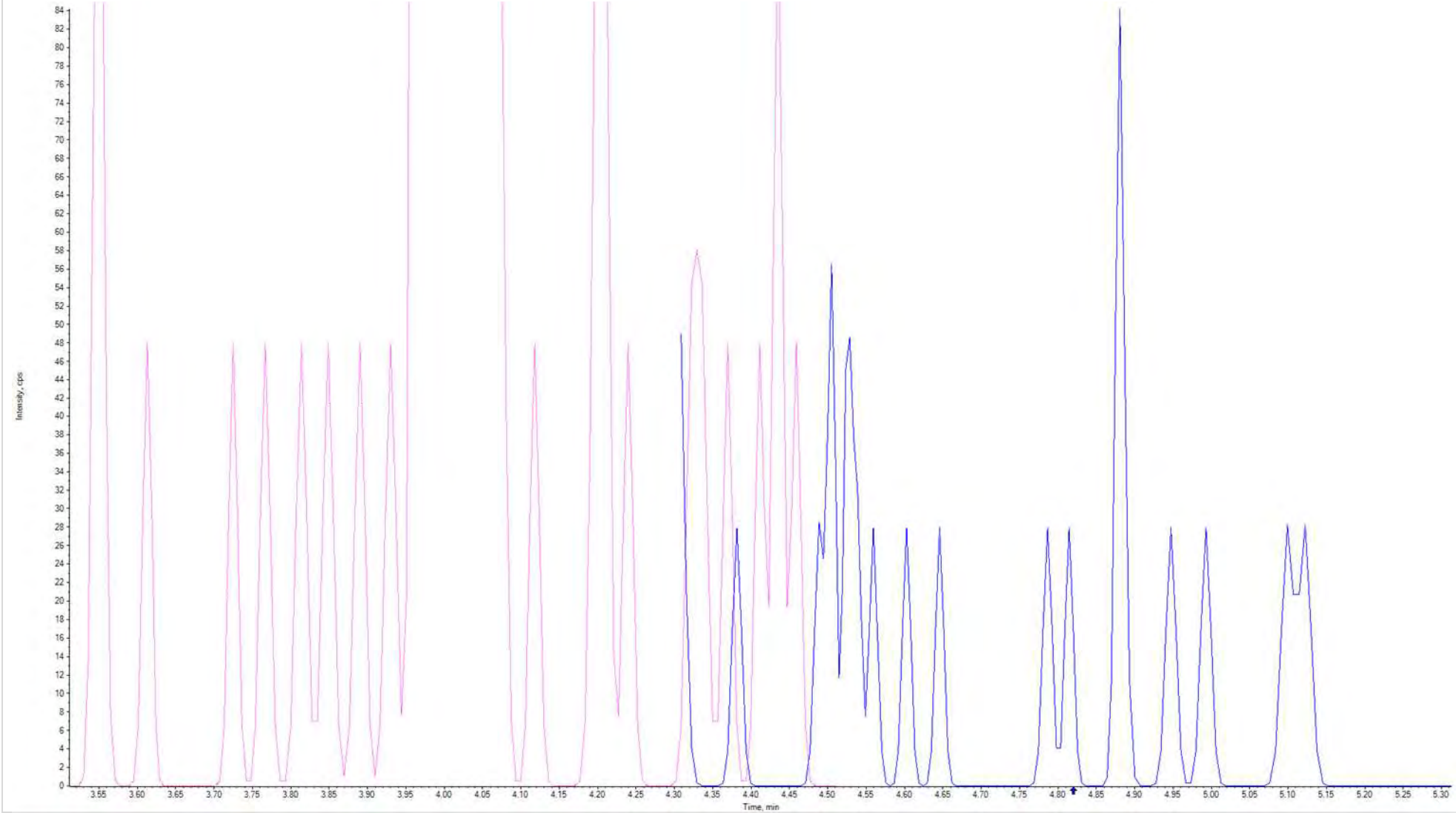
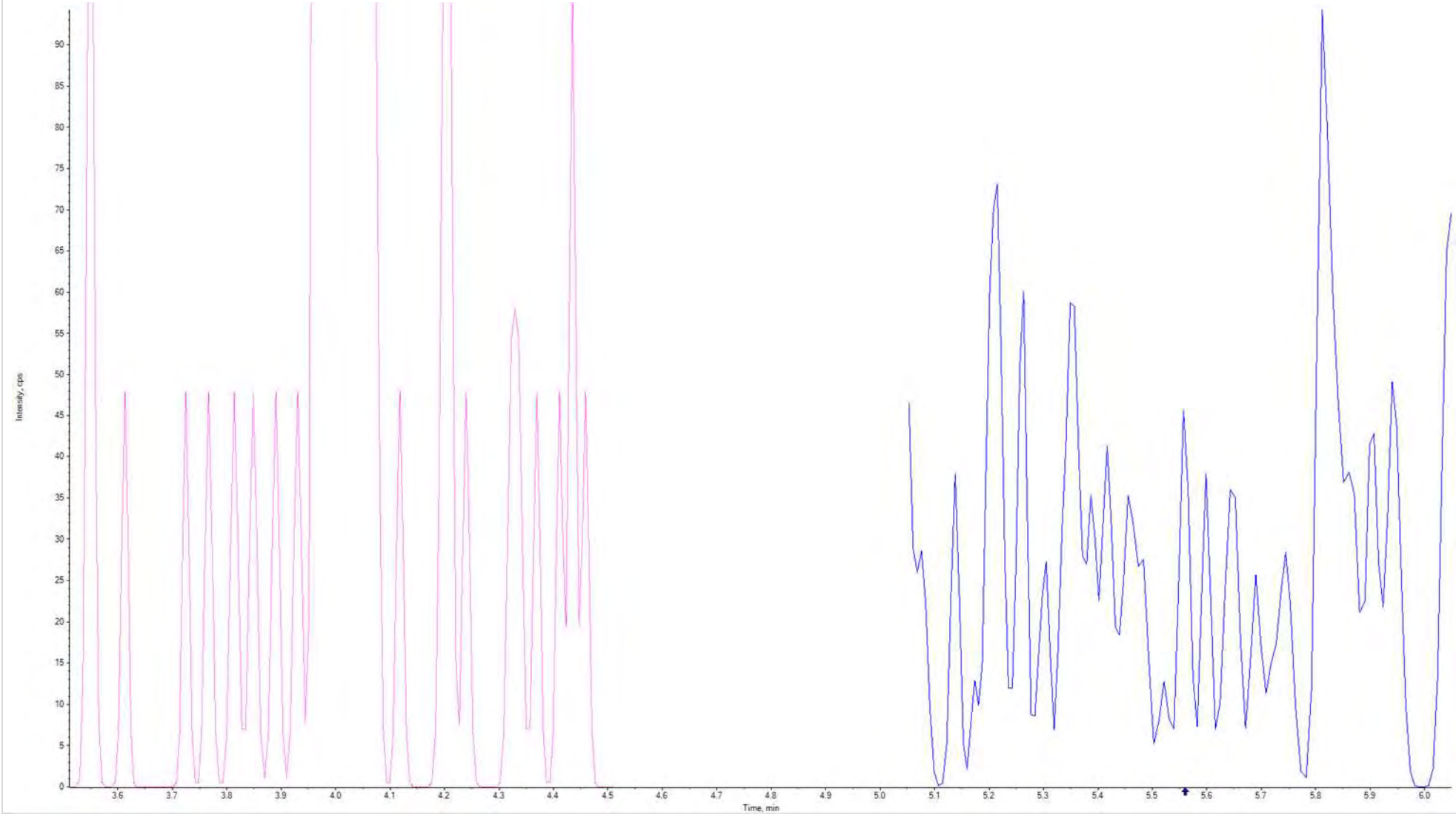
PFDS_2
Sample: L2512368-20 S/N:N/A Points Across peak:N/A



PFDoS
Sample: L2512368-20 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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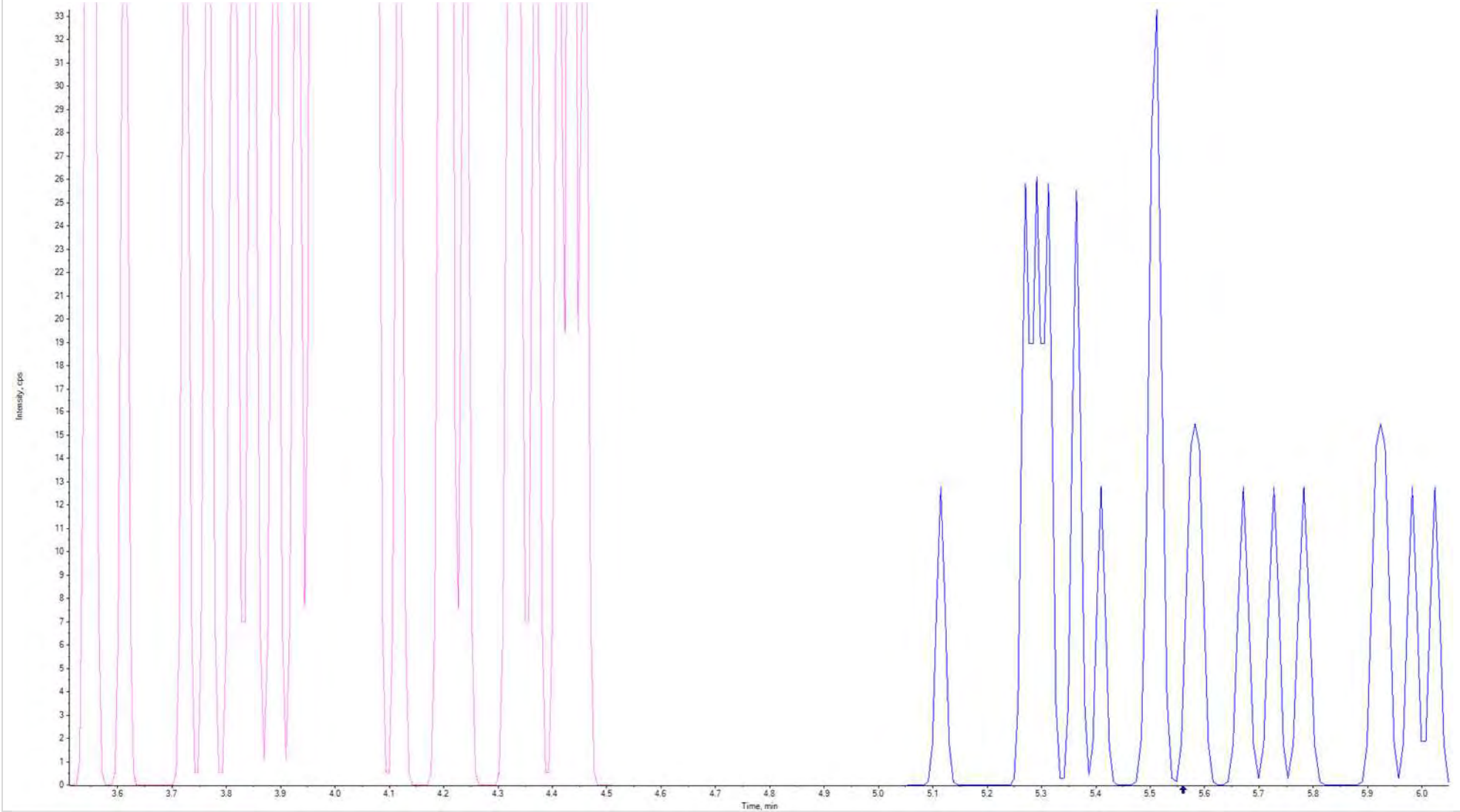
PFDoS_2
Sample: L2512368-20 S/N:N/A Points Across peak:N/A



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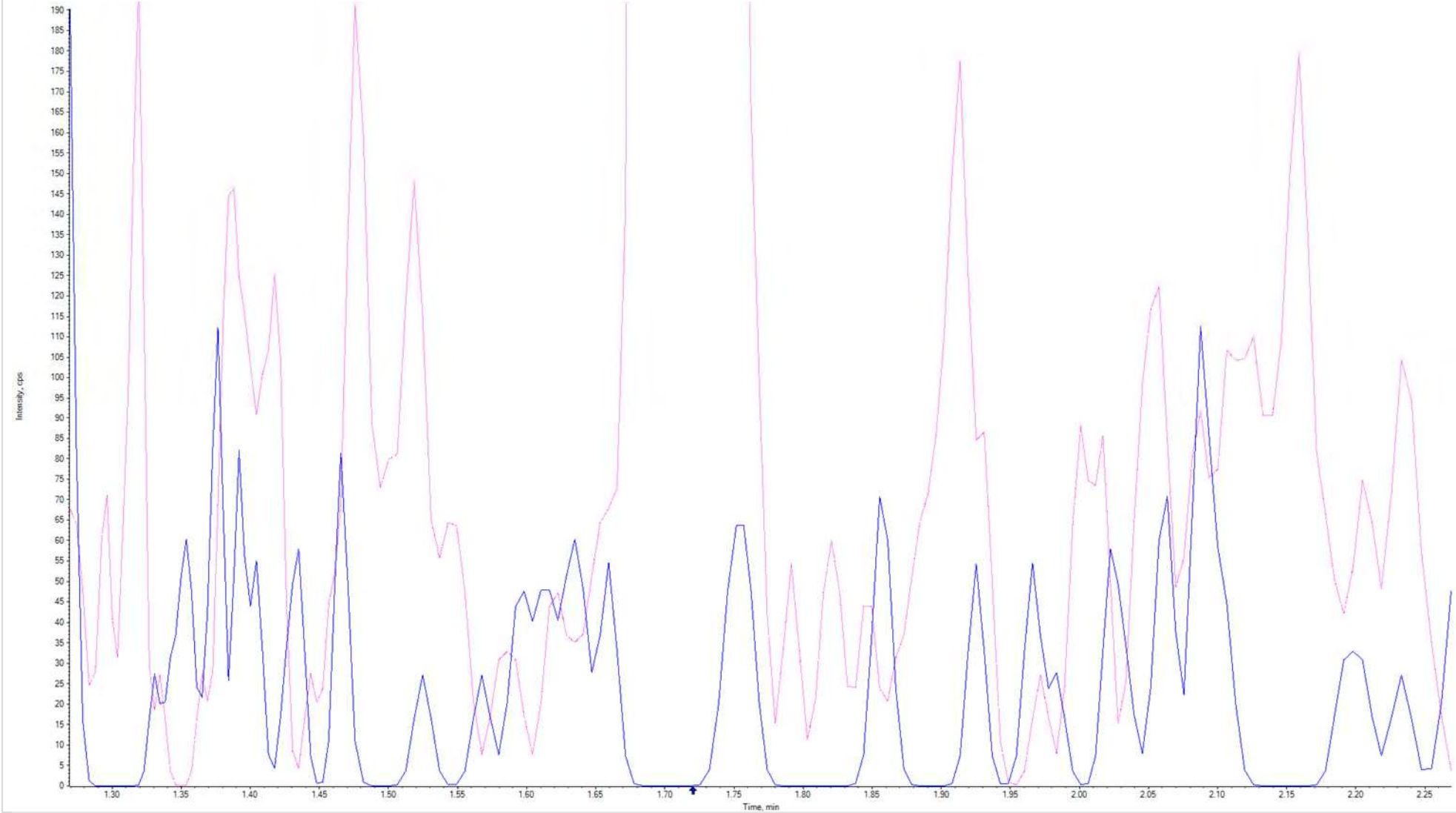
4:2FTS
Sample: L2512368-20 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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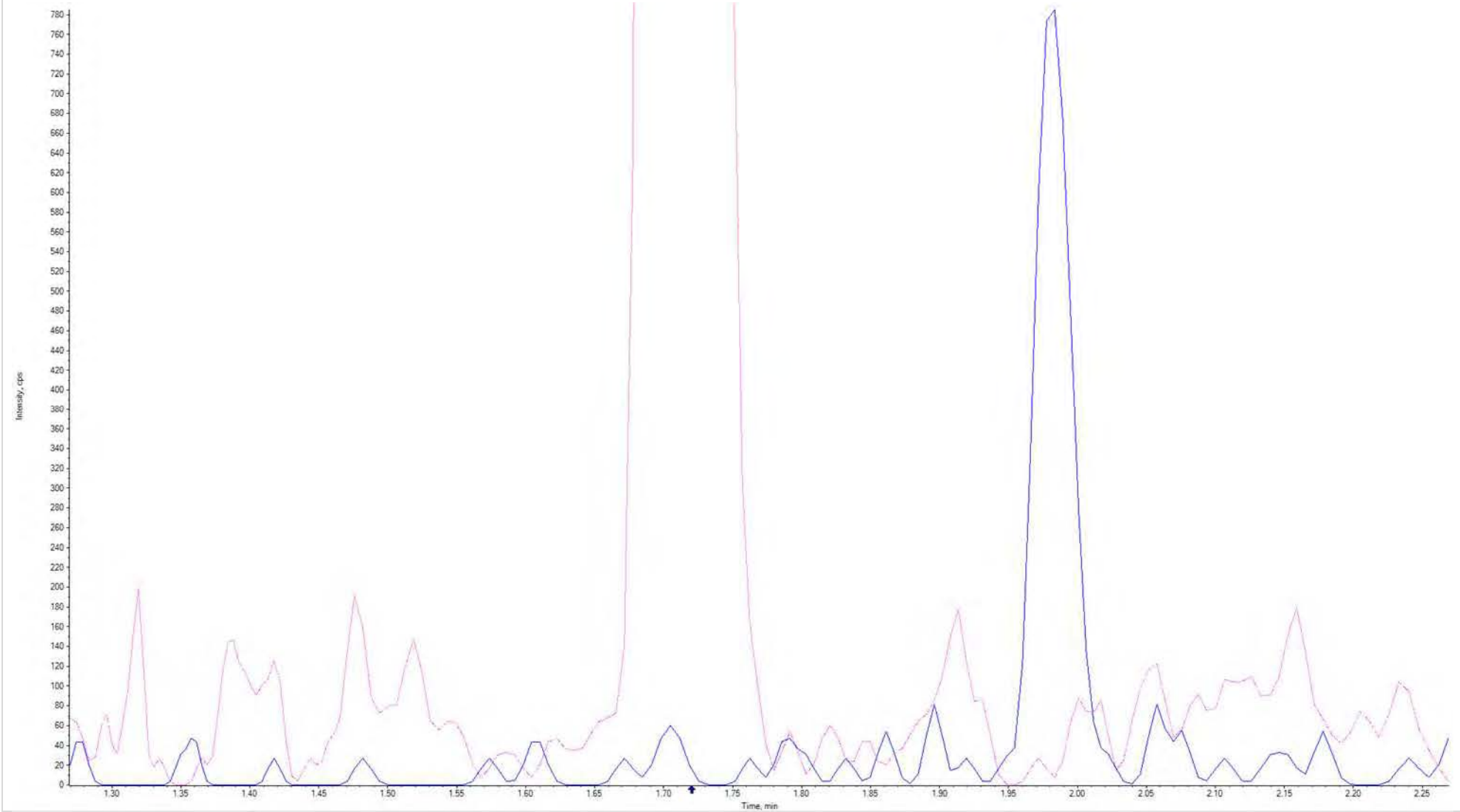
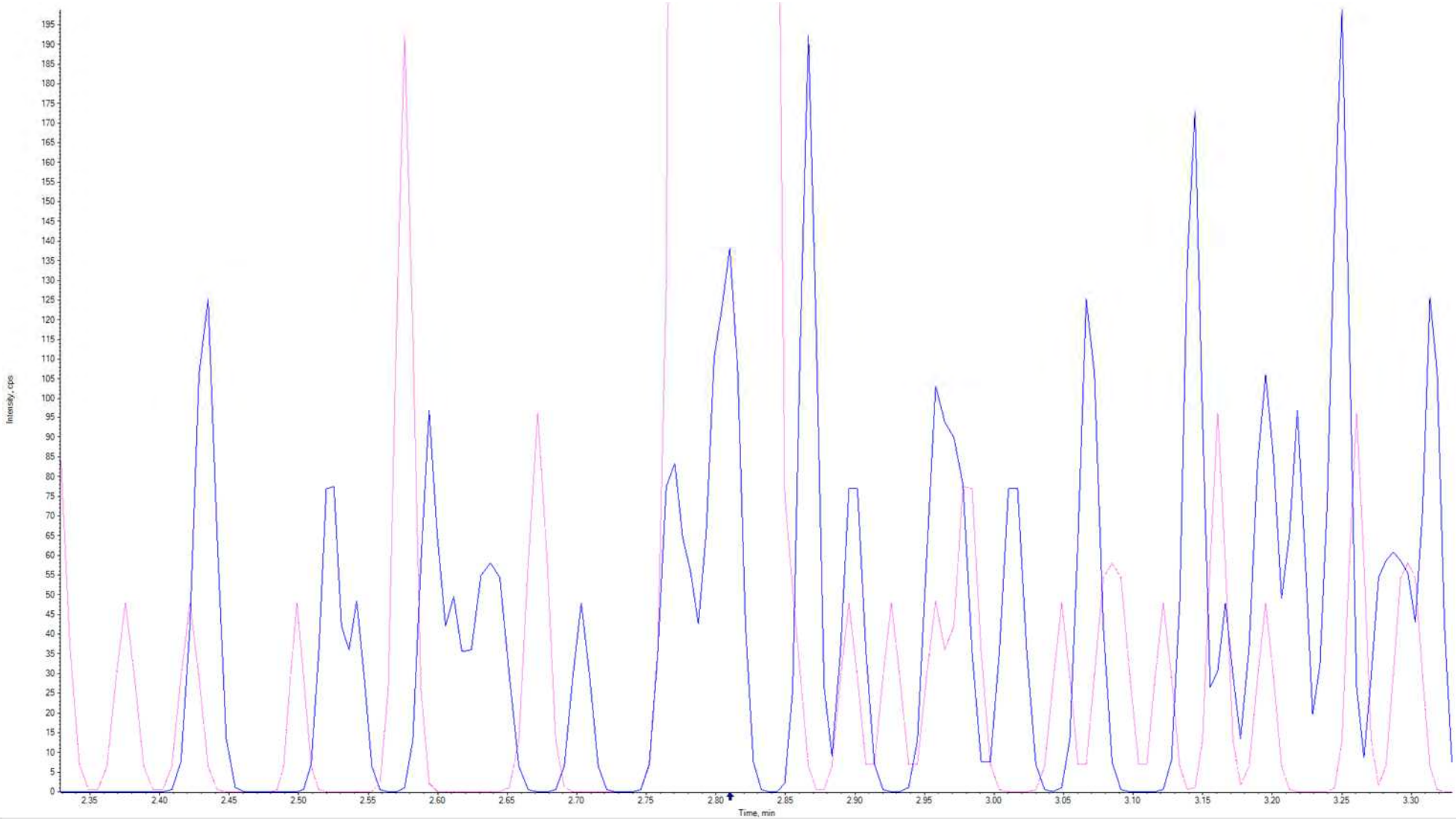
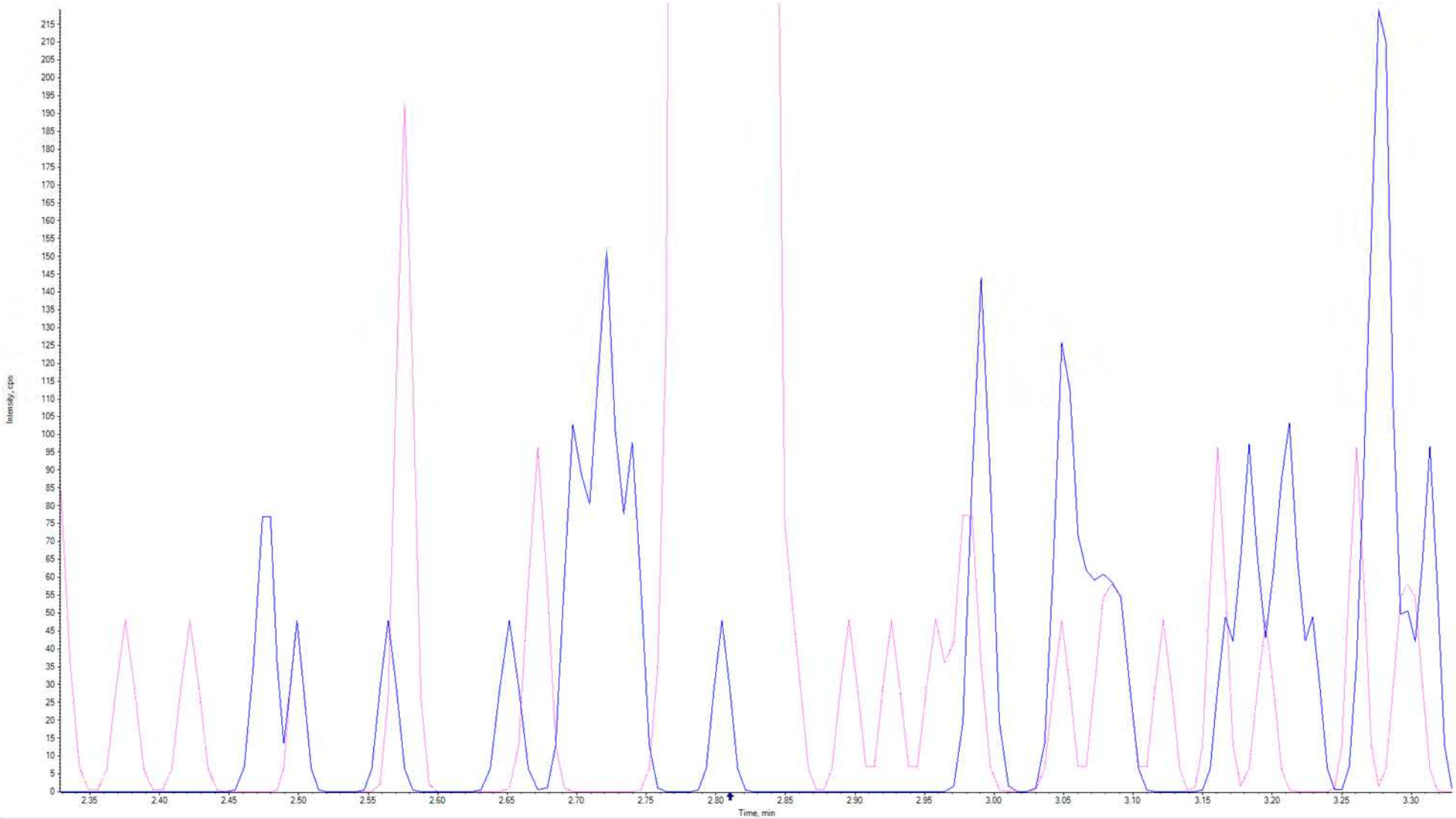
4:2FTS_2
Sample: L2512368-20 S/N:N/A Points Across peak:N/A



6:2FTS
Sample: L2512368-20 S/N:N/A Points Across peak:N/A



6:2FTS_2
Sample: L2512368-20 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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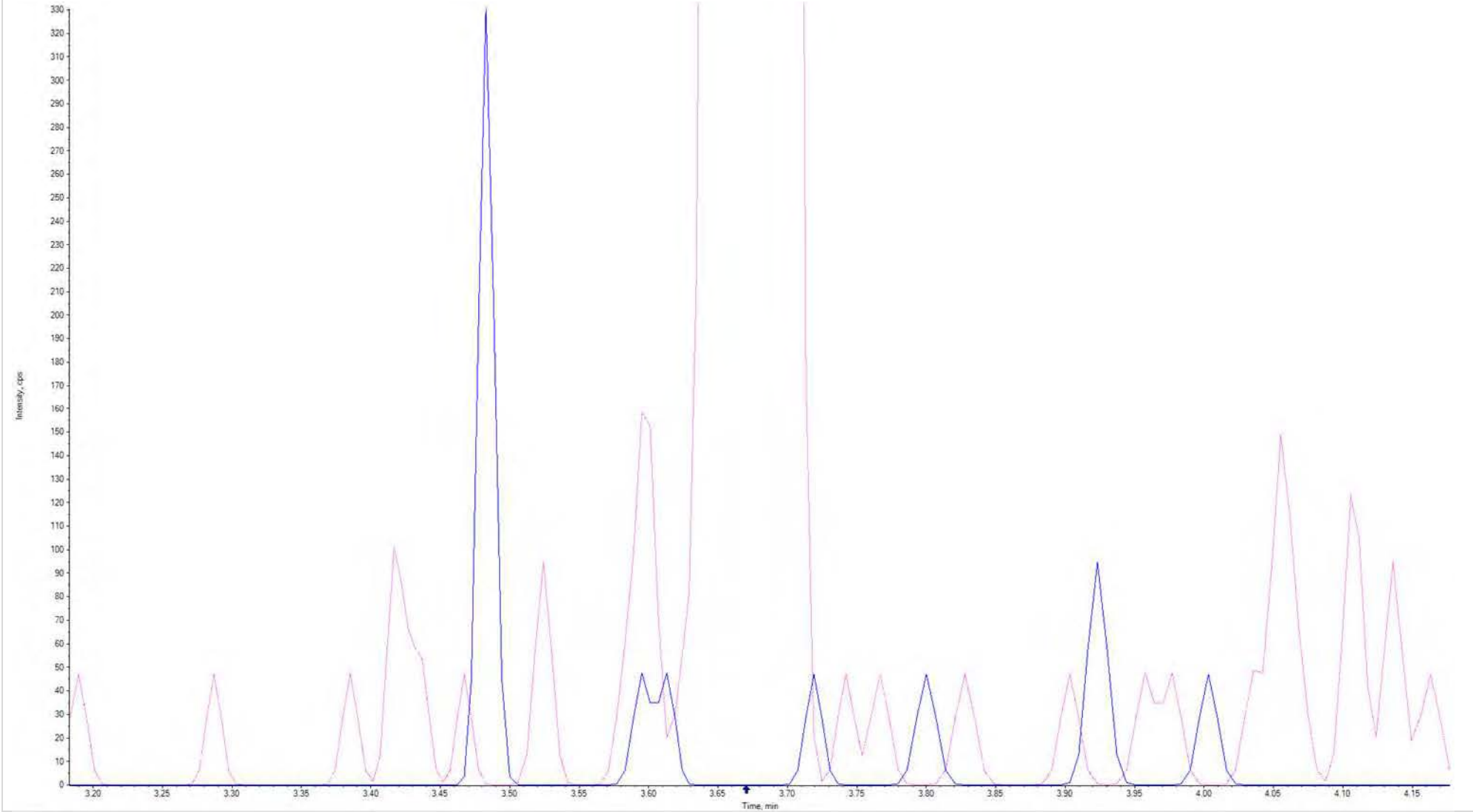
Last Altered: 3/11/2025 2:07:22 PM
Generated: 3/11/2025 12:27:08 PM

8:2FTS
Sample: L2512368-20 S/N:N/A Points Across peak:N/A



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Alpha Analytical LLC
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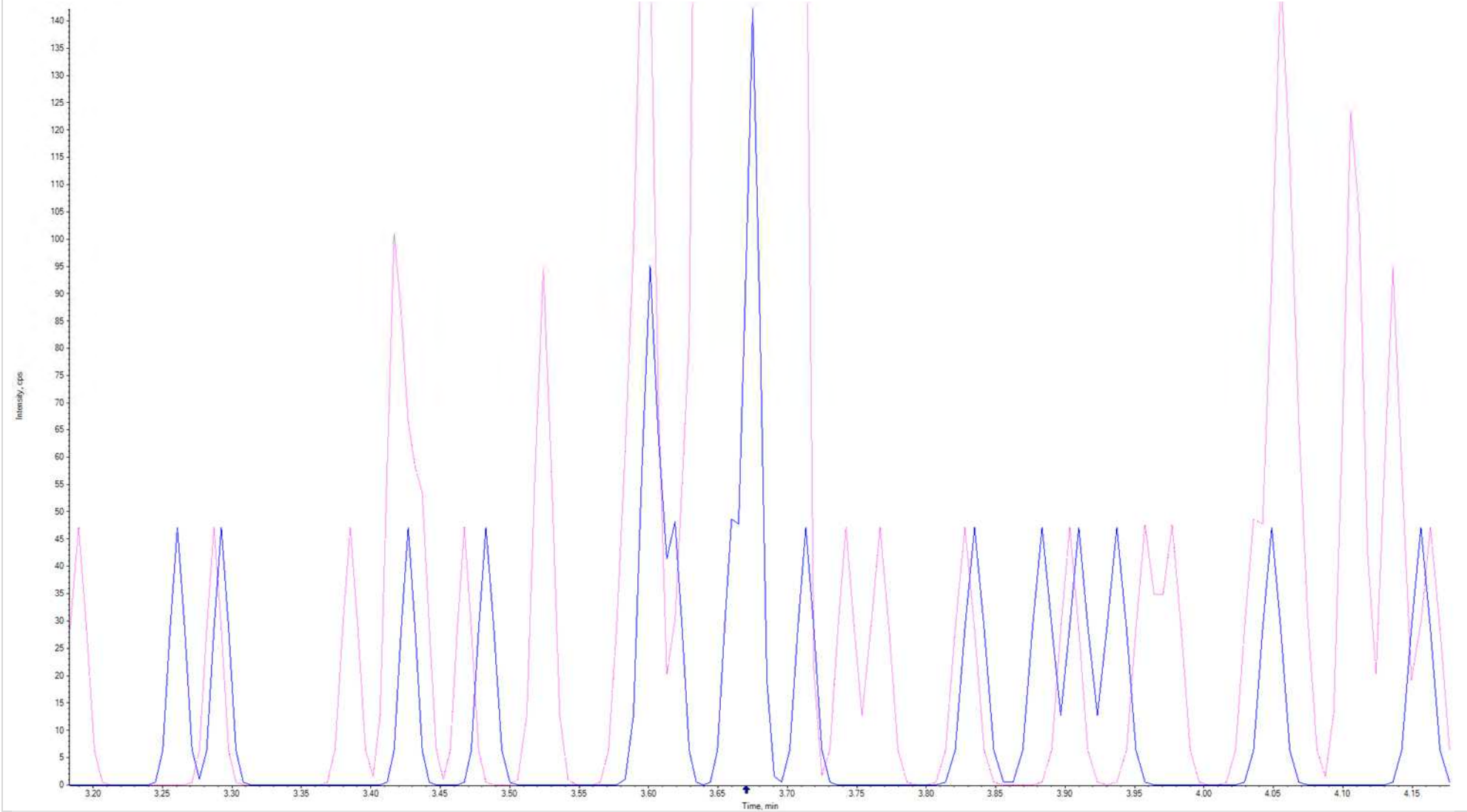
8:2FTS_2
Sample: L2512368-20 S/N:N/A Points Across peak:N/A



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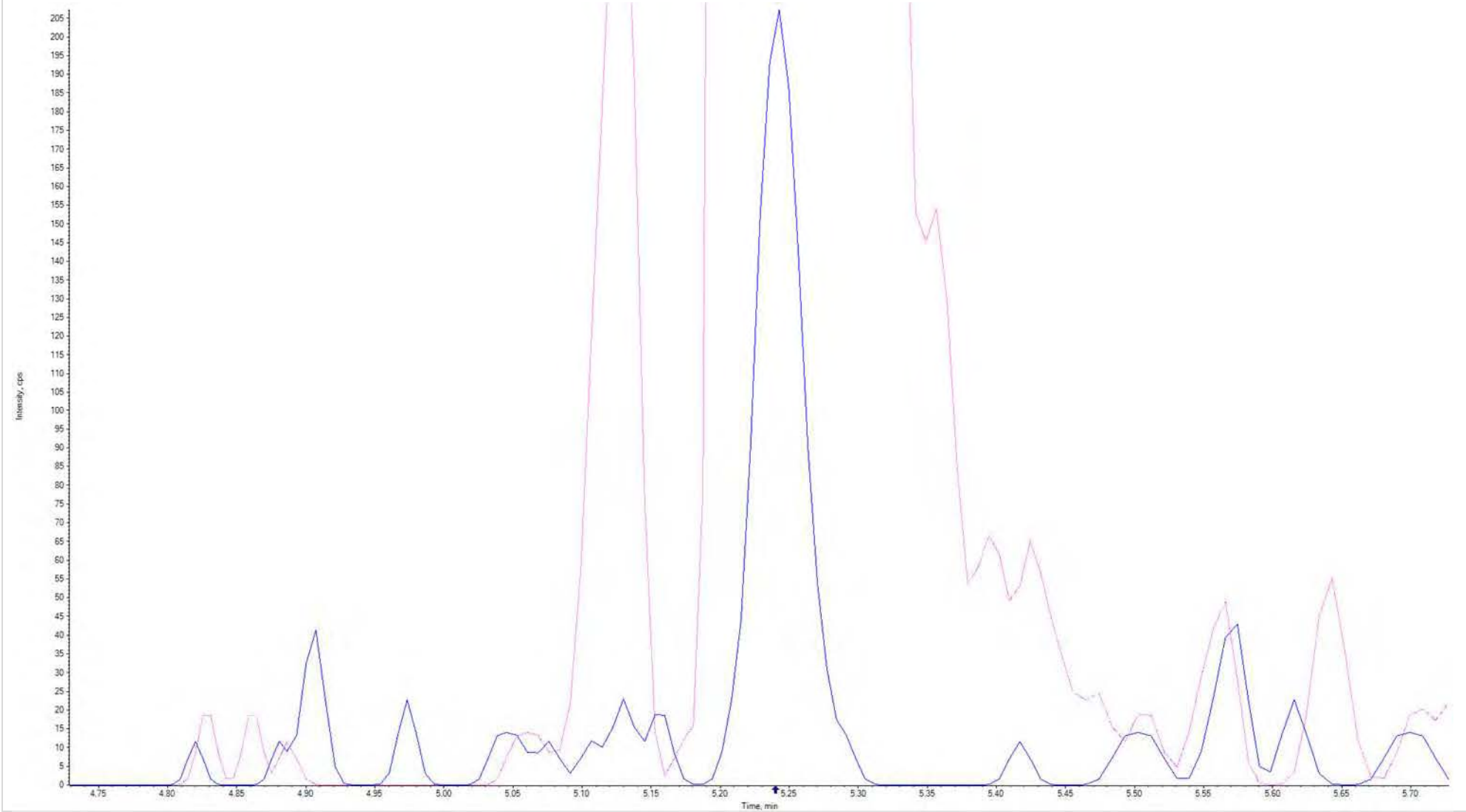
PFOSA
Sample: L2512368-20 S/N:N/A Points Across peak:N/A



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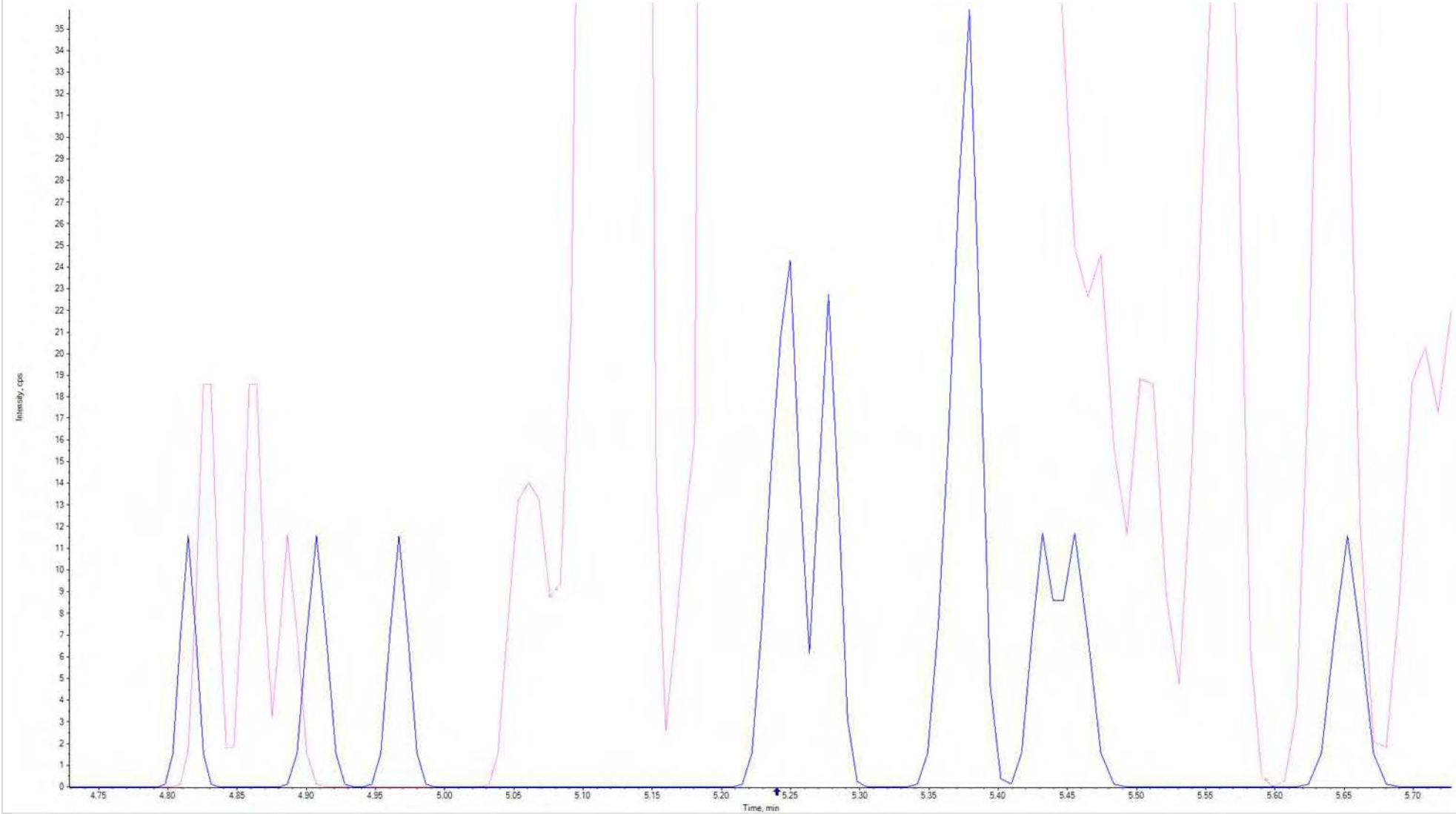
PFOSA_2
Sample: L2512368-20 S/N:N/A Points Across peak:N/A



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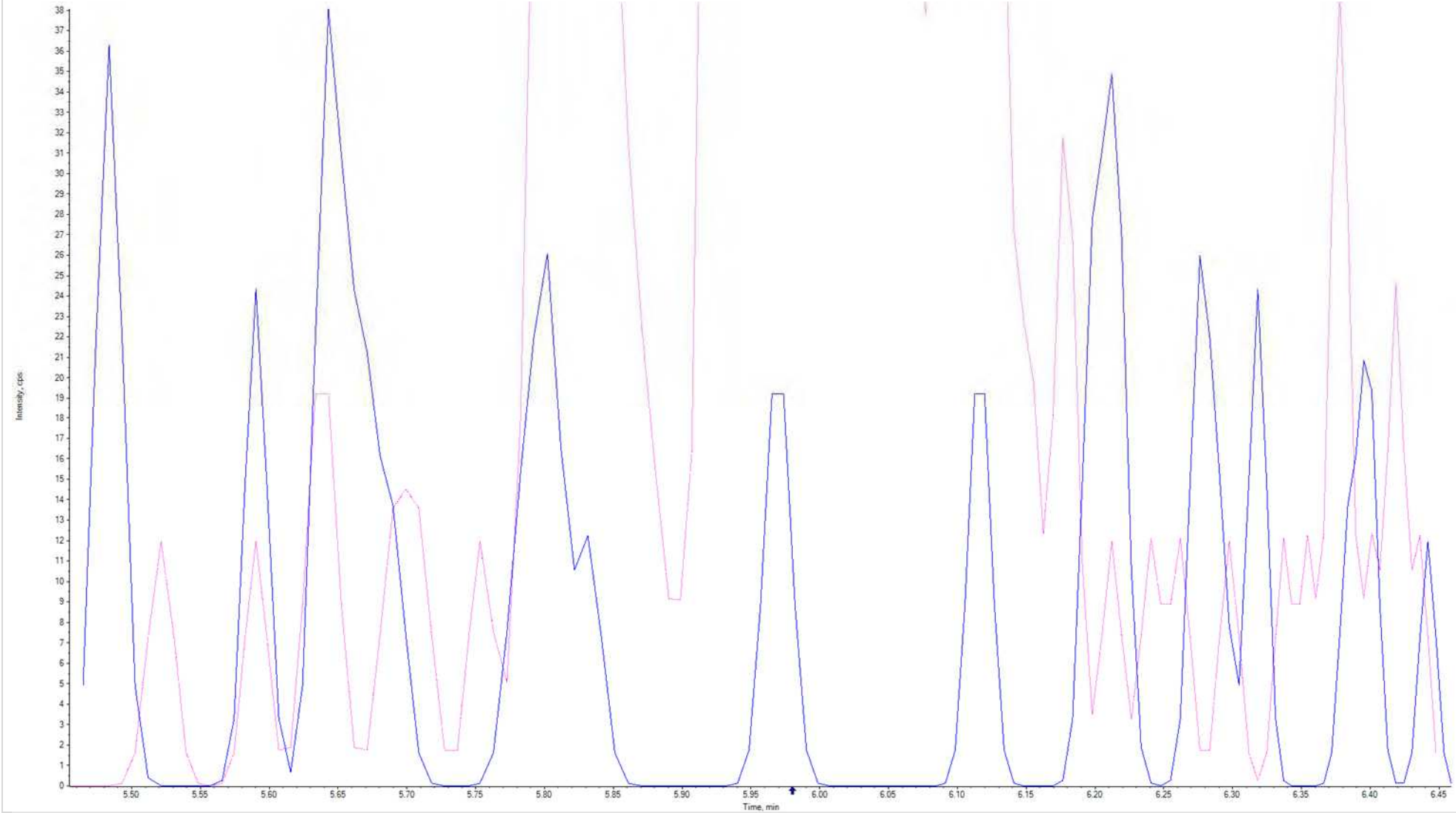
NMeFOSA
Sample: L2512368-20 S/N:N/A Points Across peak:N/A



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NMeFOSA_2
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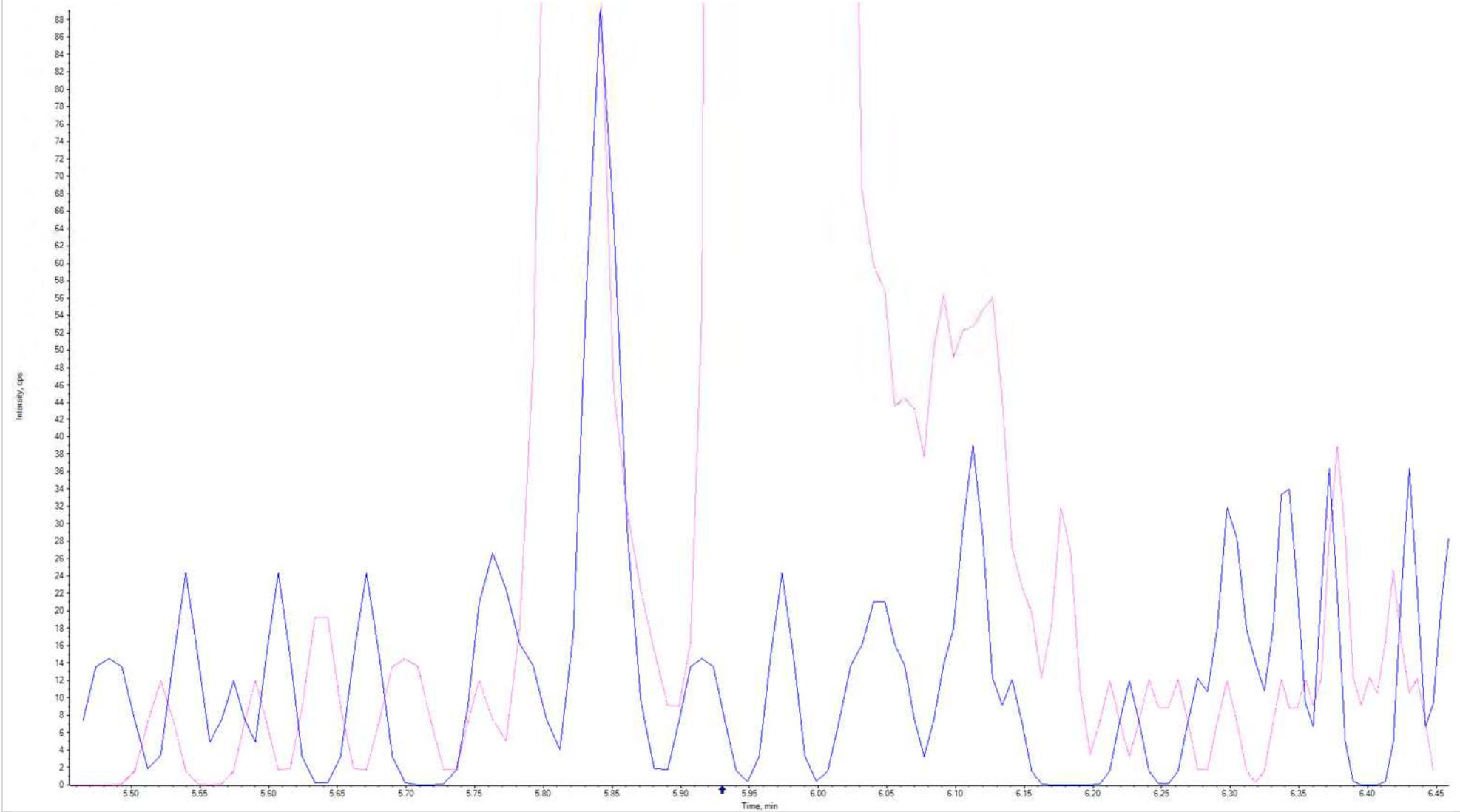
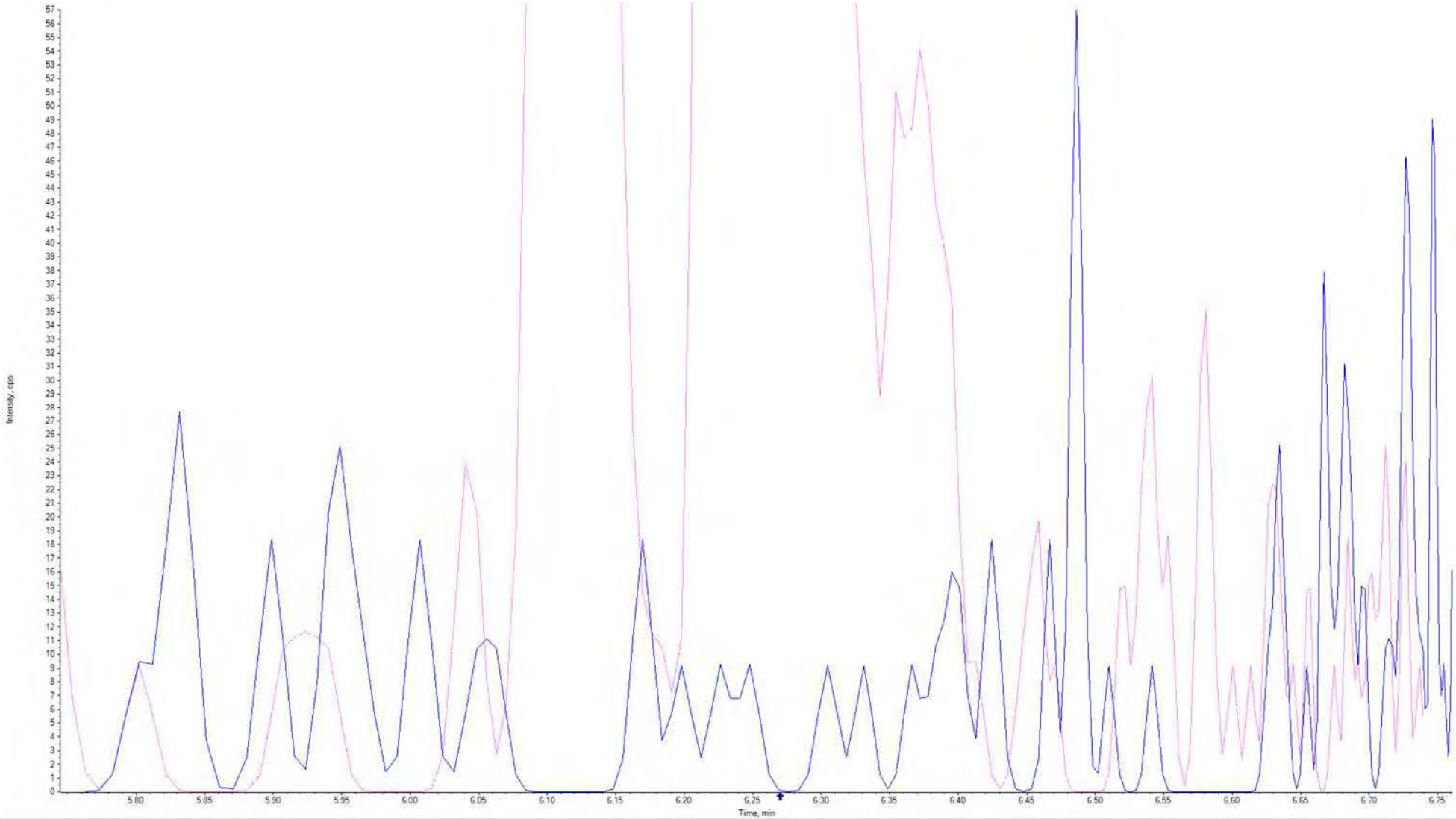


NEtFOSA
Sample: L2512368-20 S/N:N/A Points Across peak:N/A



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NEtFOSA_2
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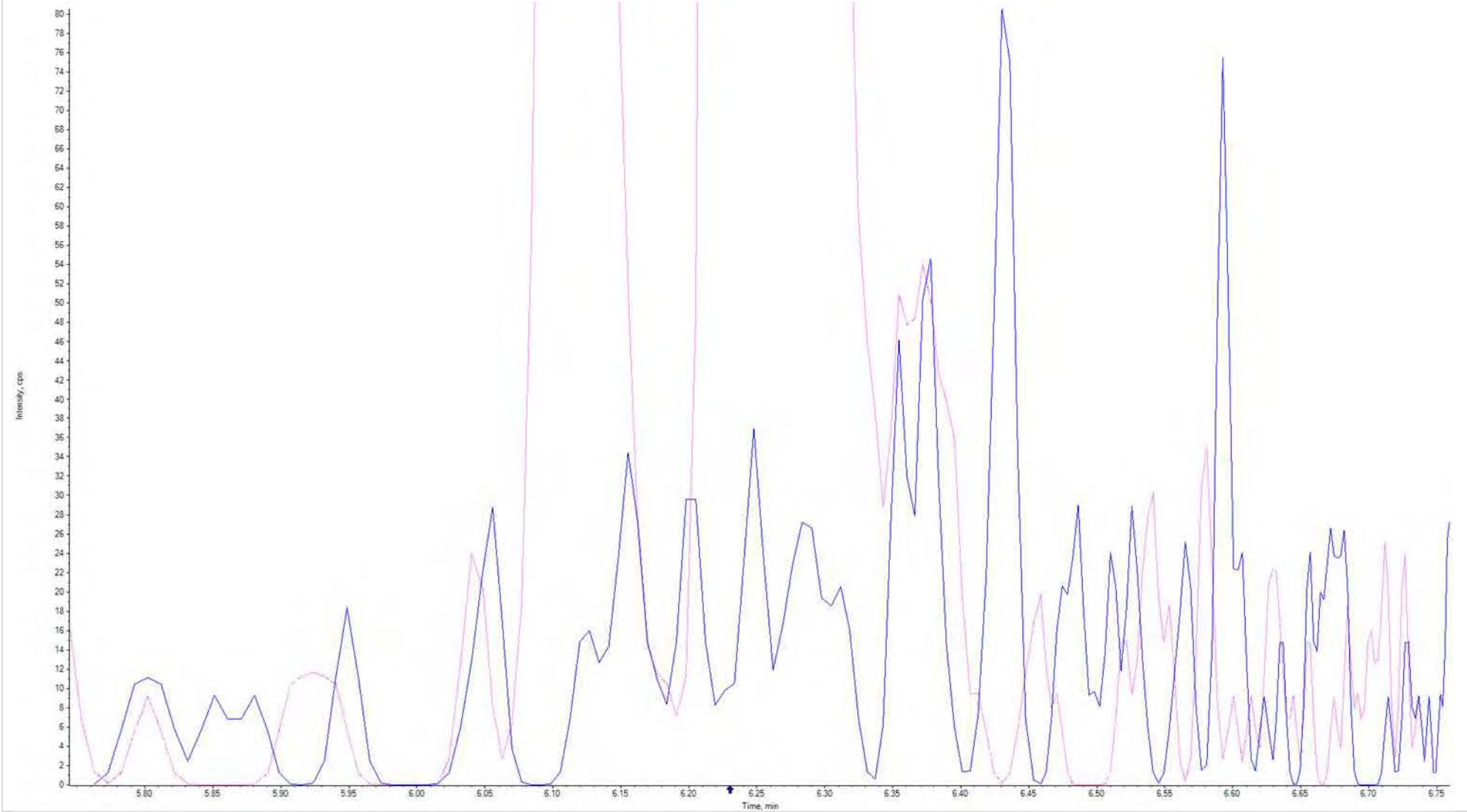

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NMeFOSAA
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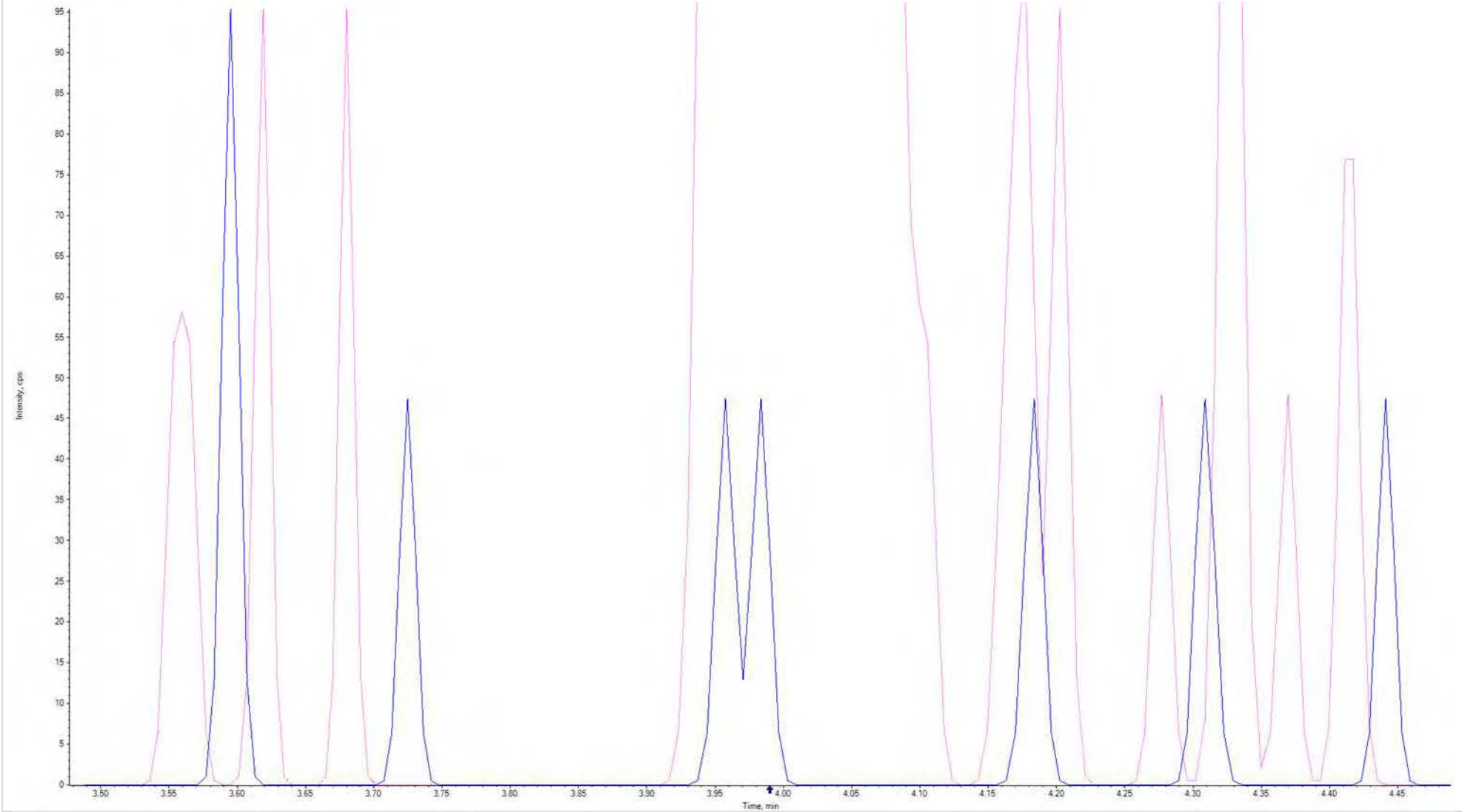

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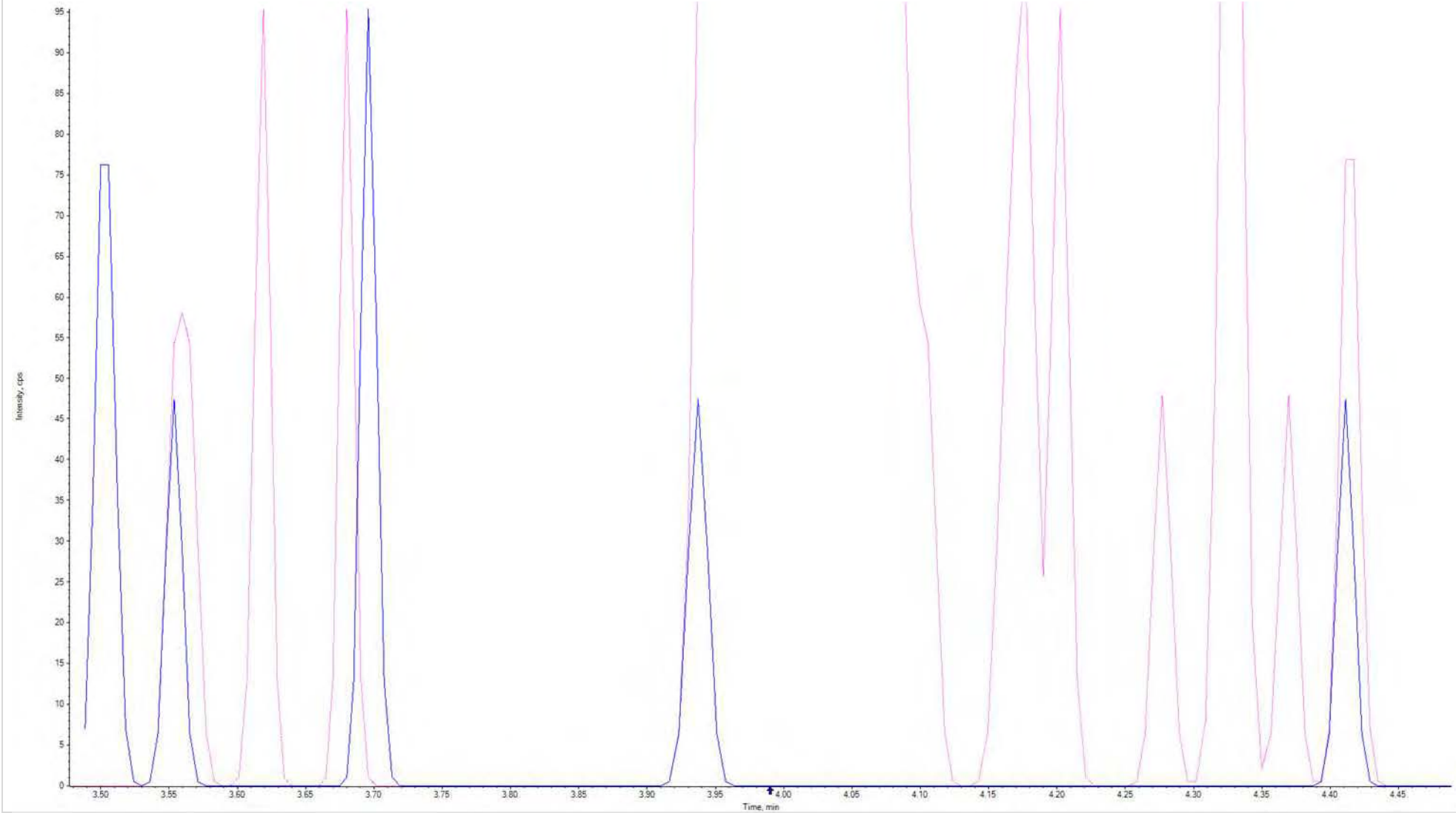
NMeFOSAA_2
Sample: L2512368-20 S/N:N/A Points Across peak:N/A



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NEtFOSAA
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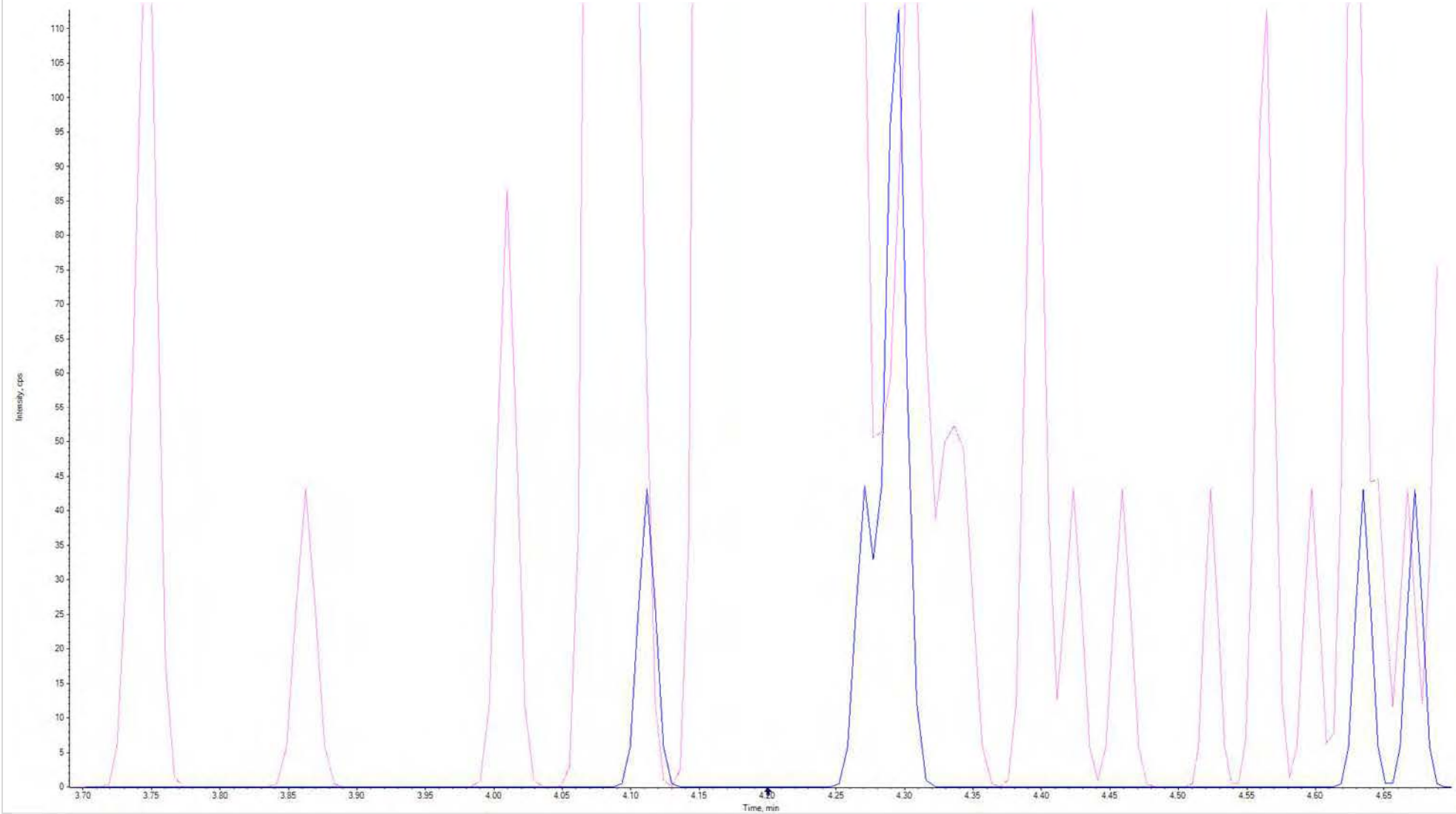

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NEtFOSAA_2
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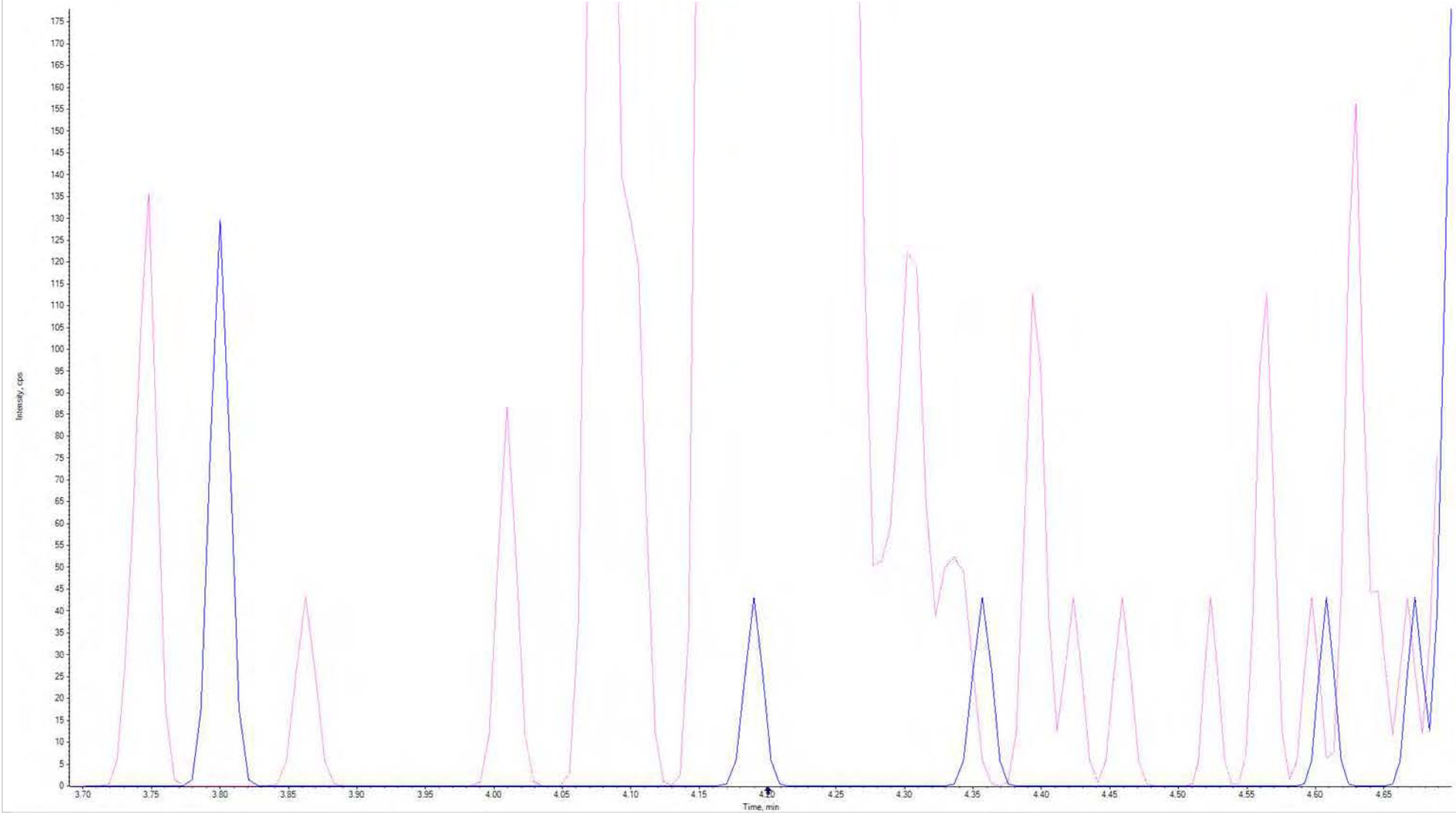

NMeFOSE
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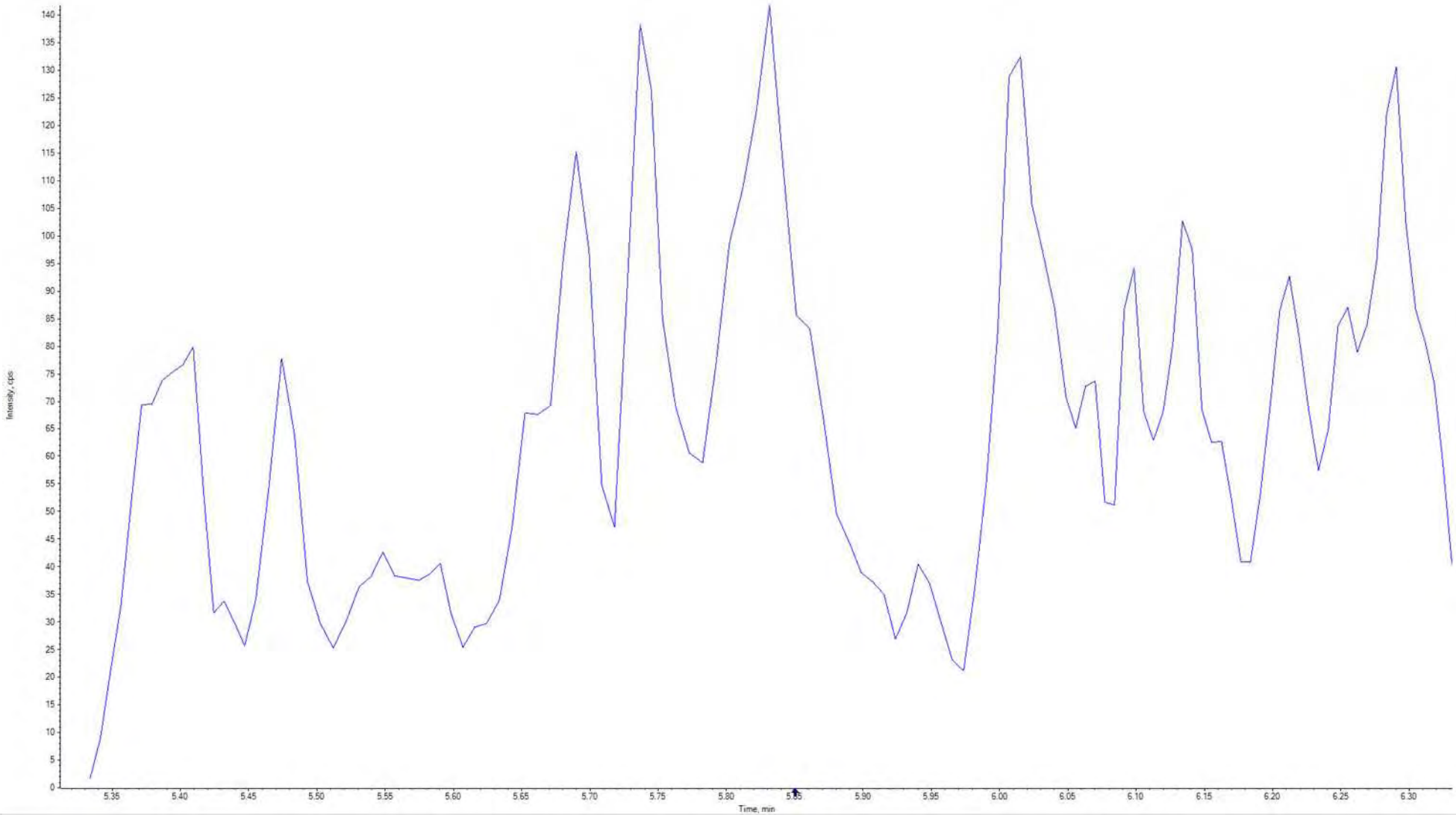

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NEtFOSE
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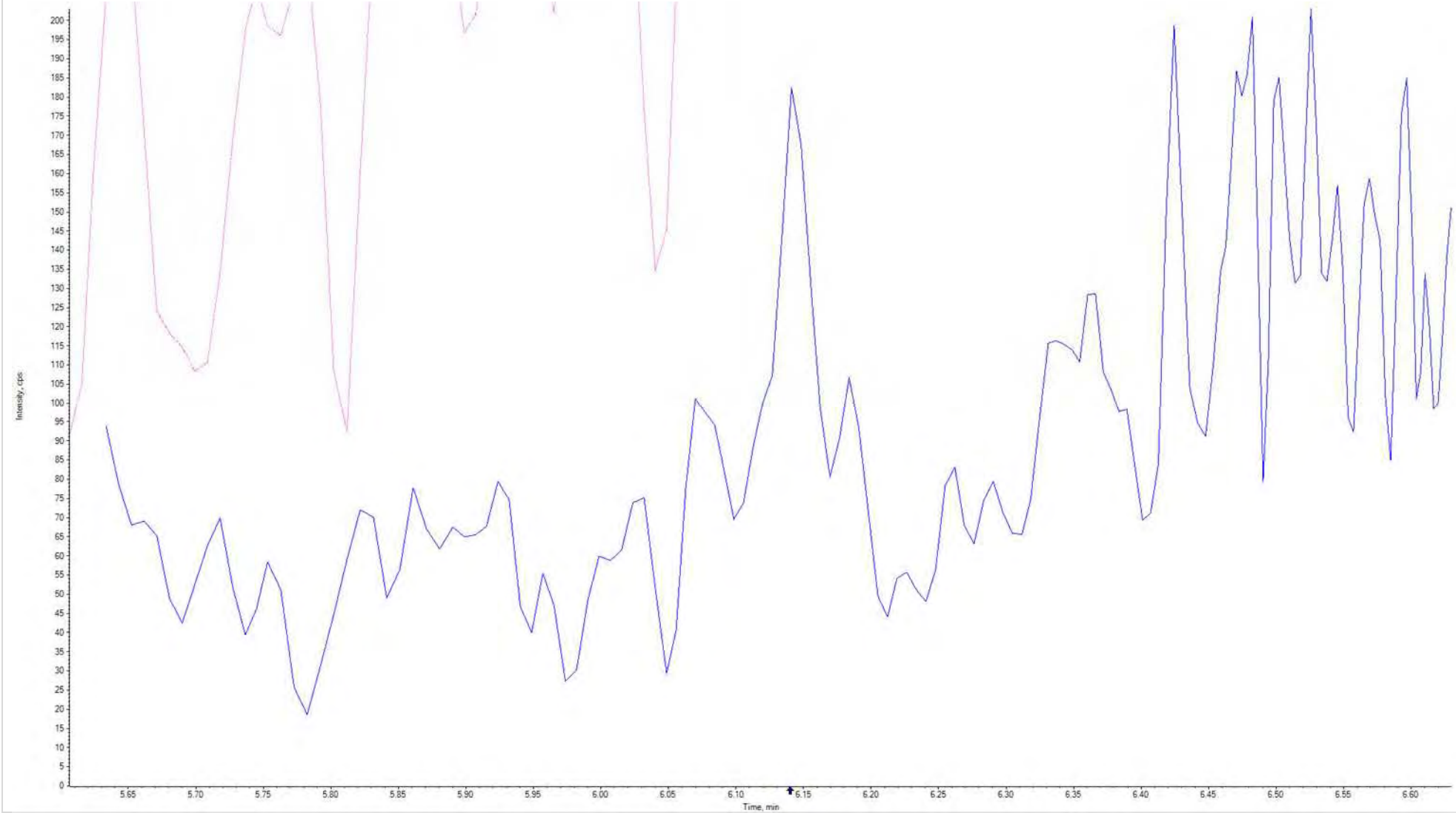

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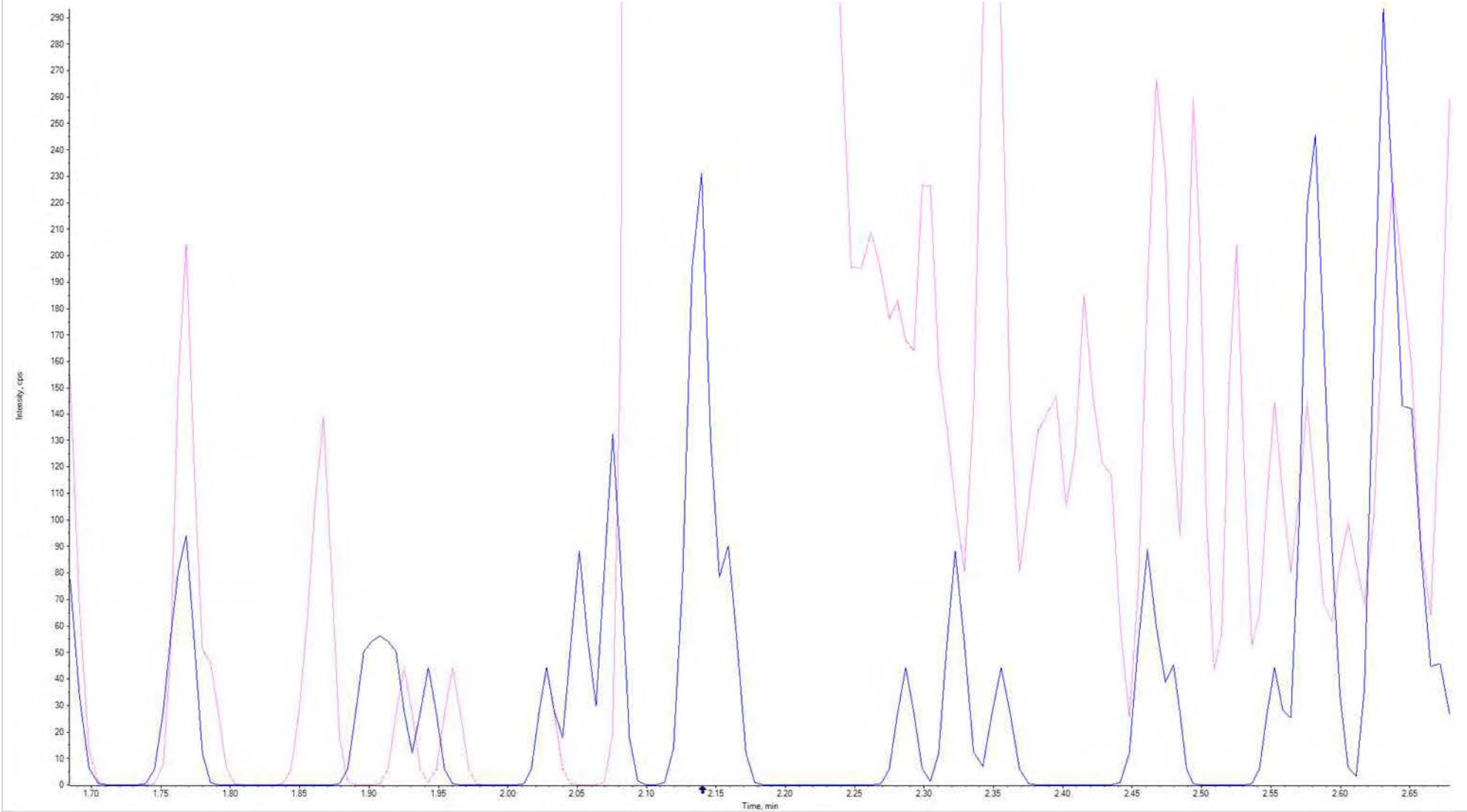
HFPO-DA
Sample: L2512368-20 S/N:N/A Points Across peak:N/A



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HFPO-DA_2
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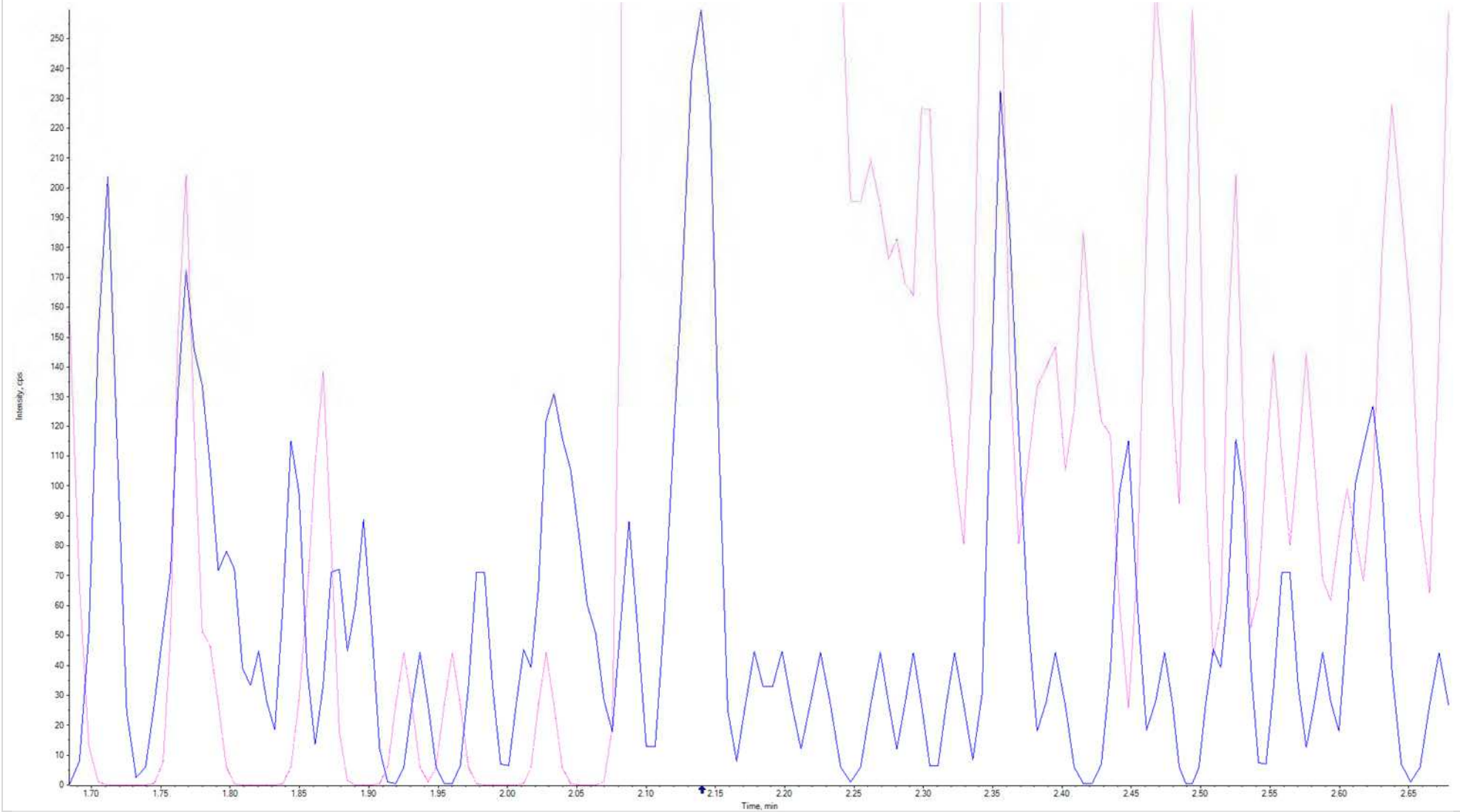

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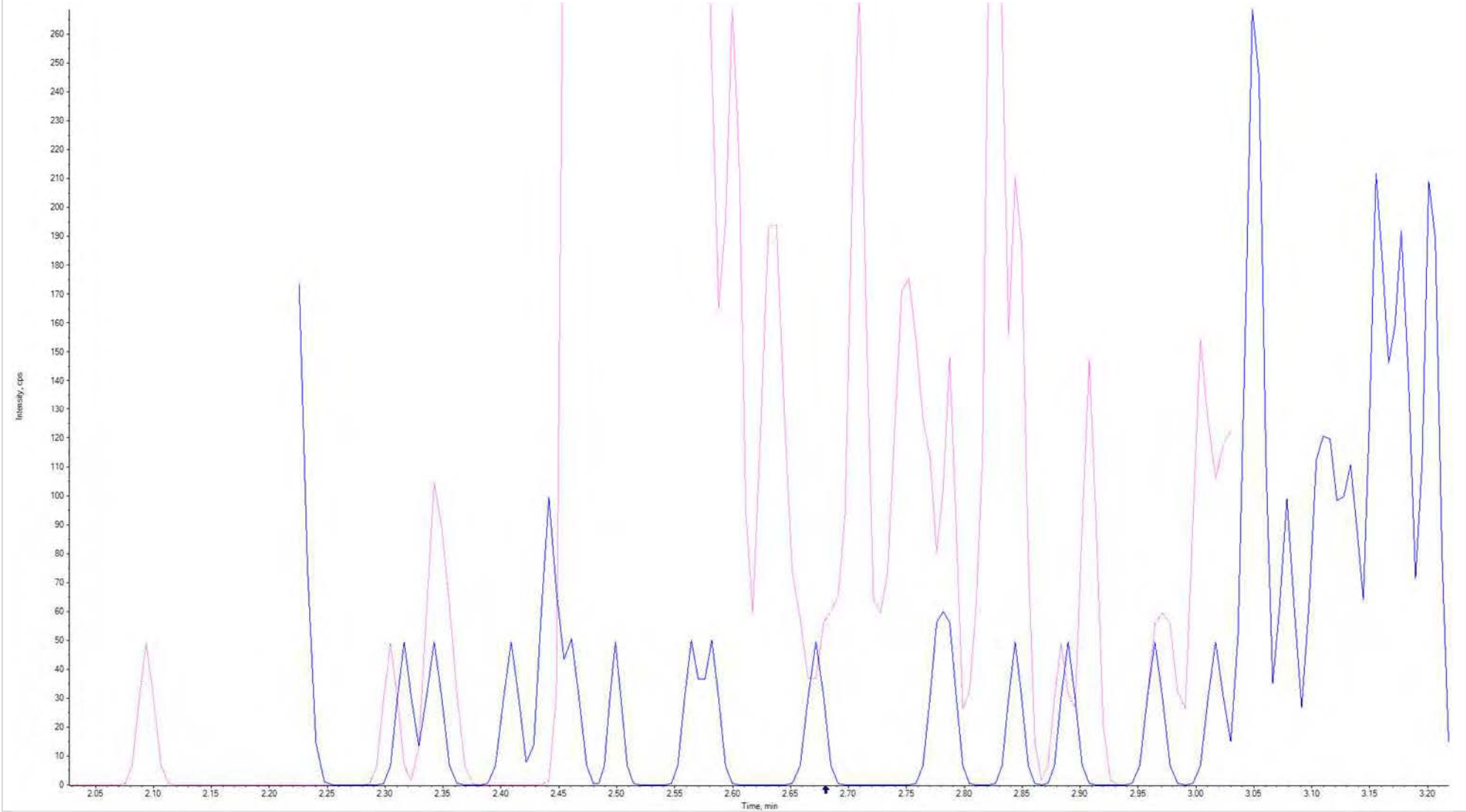
ADONA
Sample: L2512368-20 S/N:N/A Points Across peak:N/A



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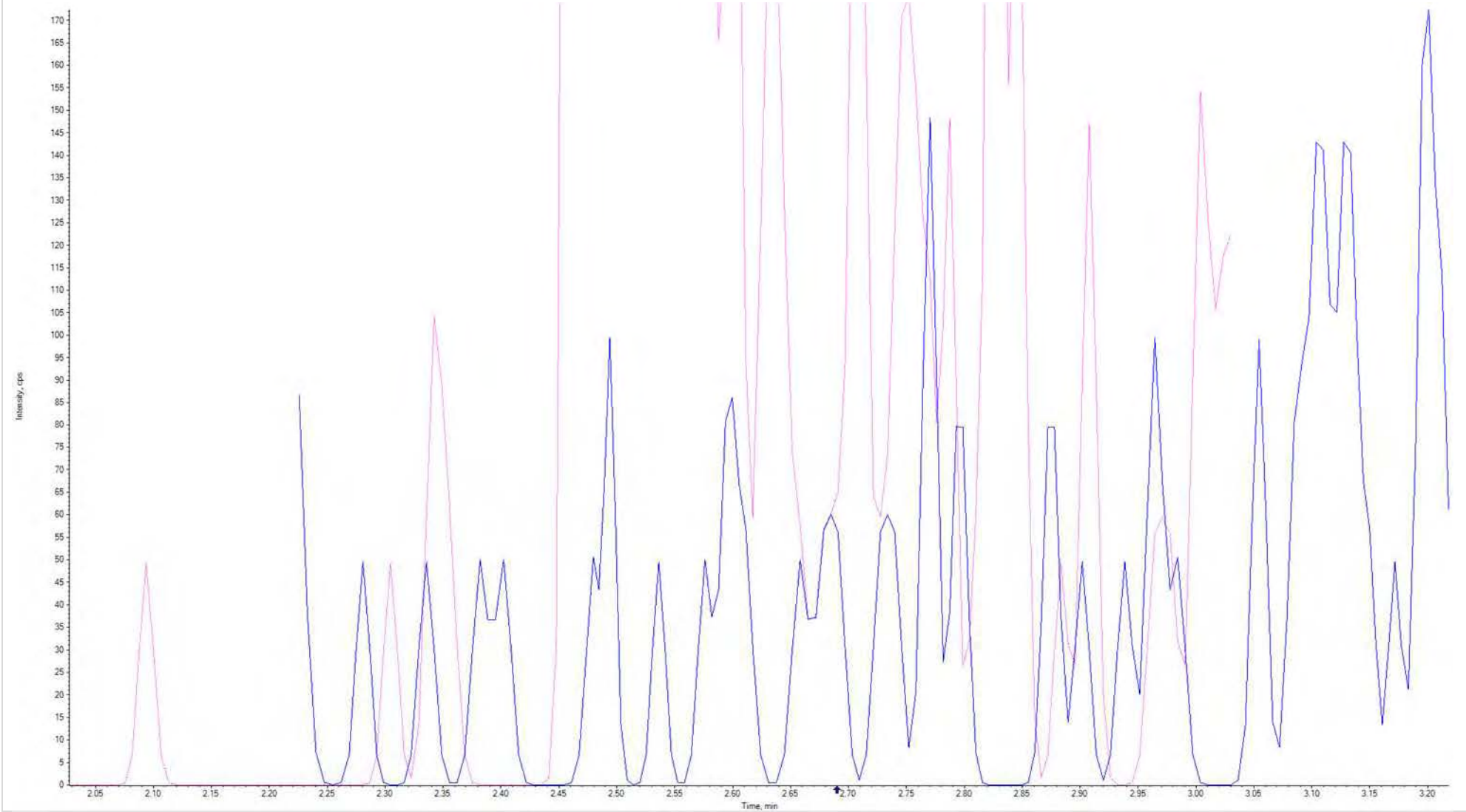
ADONA_2
Sample: L2512368-20 S/N:N/A Points Across peak:N/A



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Last Altered: 3/11/2025 2:07:22 PM
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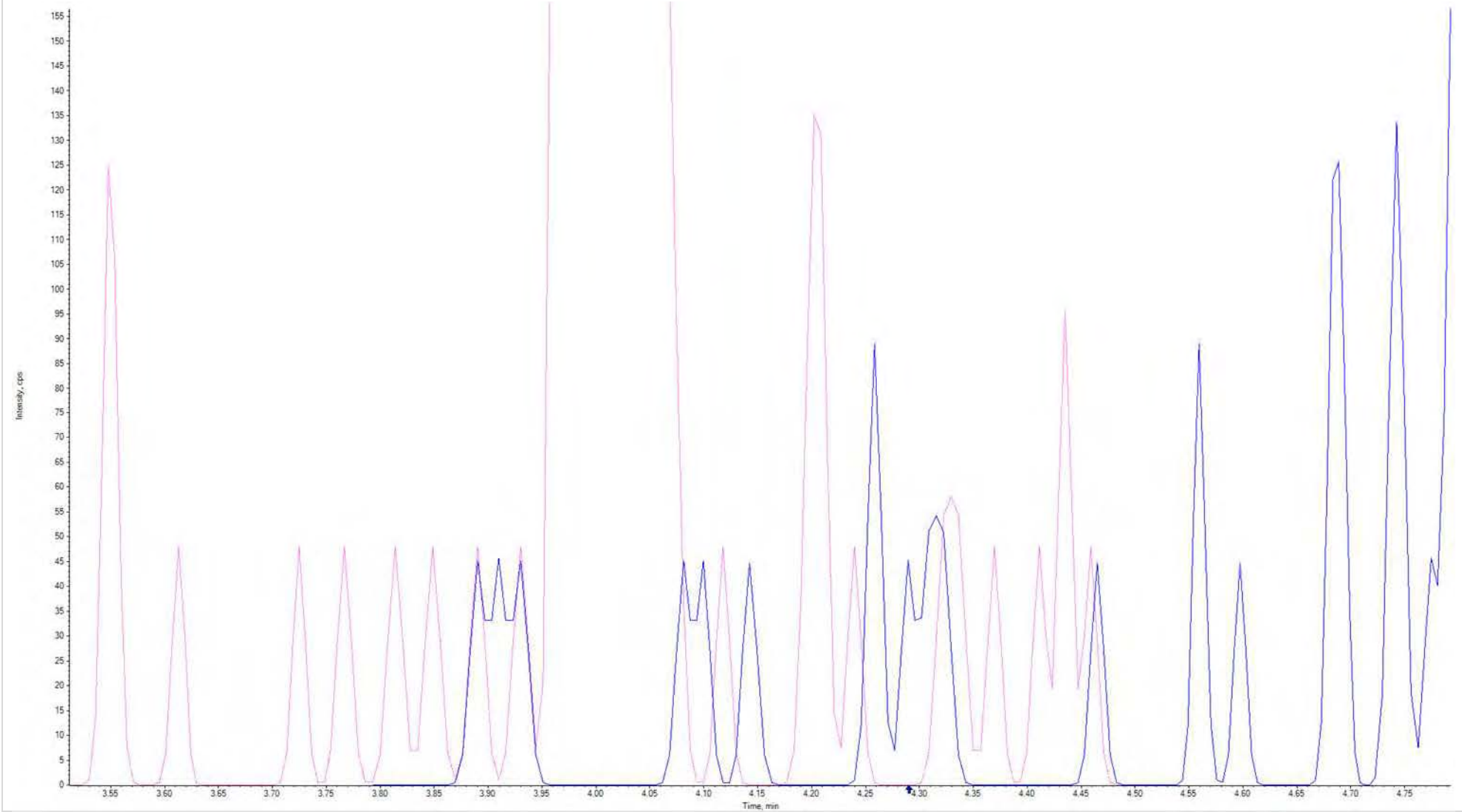
9Cl-PF3ONS
Sample: L2512368-20 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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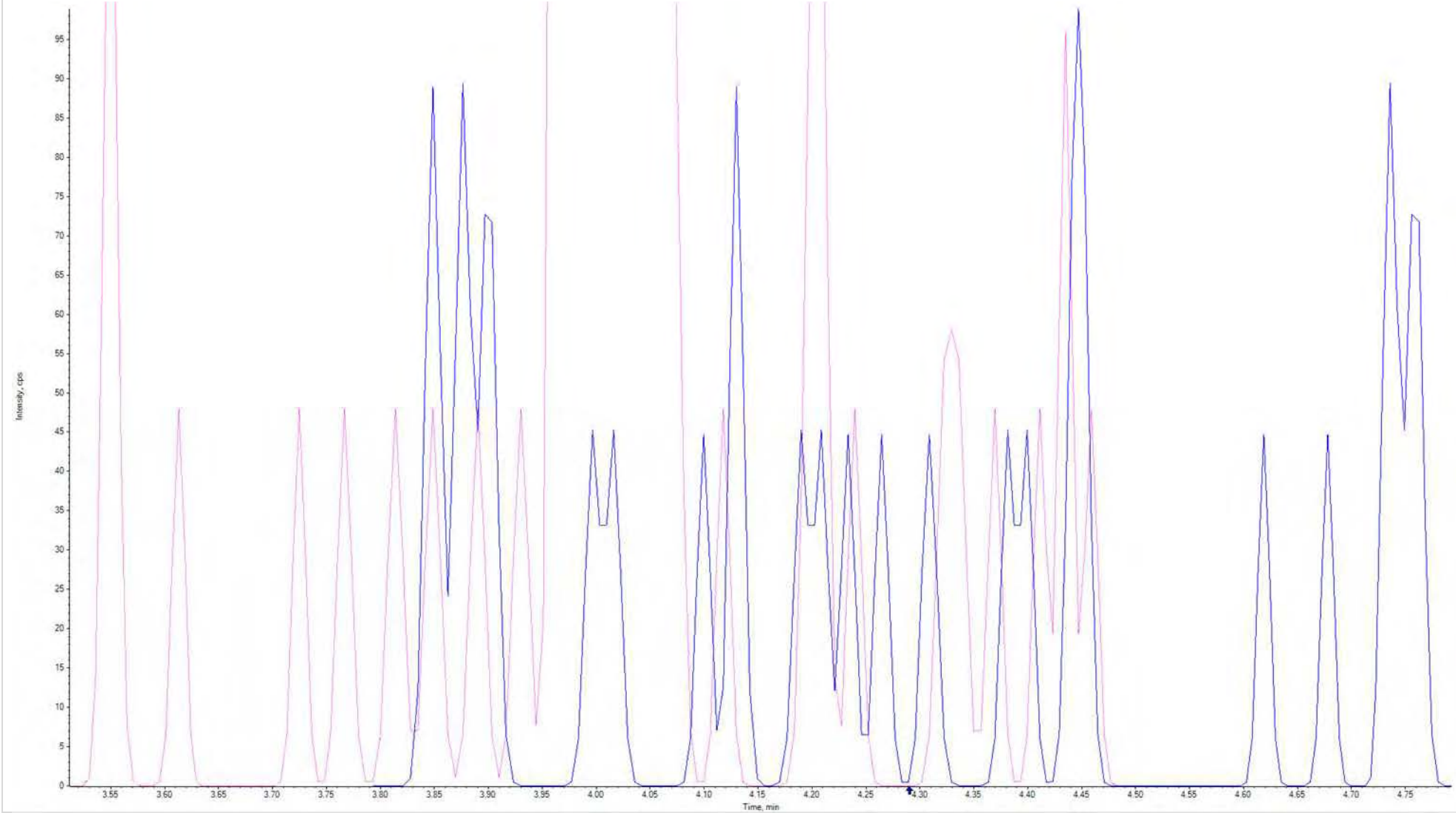
9Cl-PF3ONS_2
Sample: L2512368-20 S/N:N/A Points Across peak:N/A



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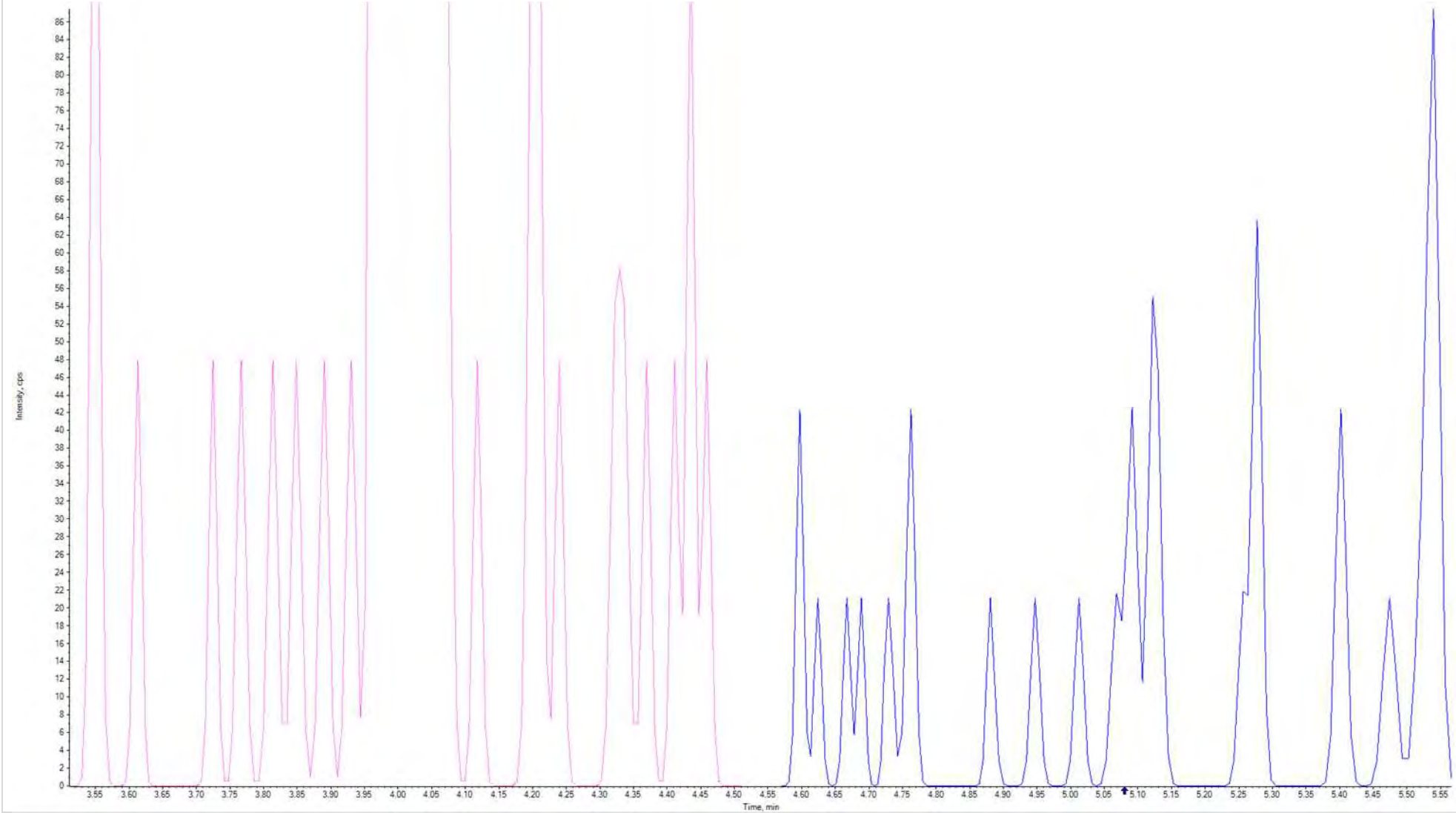
11Cl-PF3OUdS
Sample: L2512368-20 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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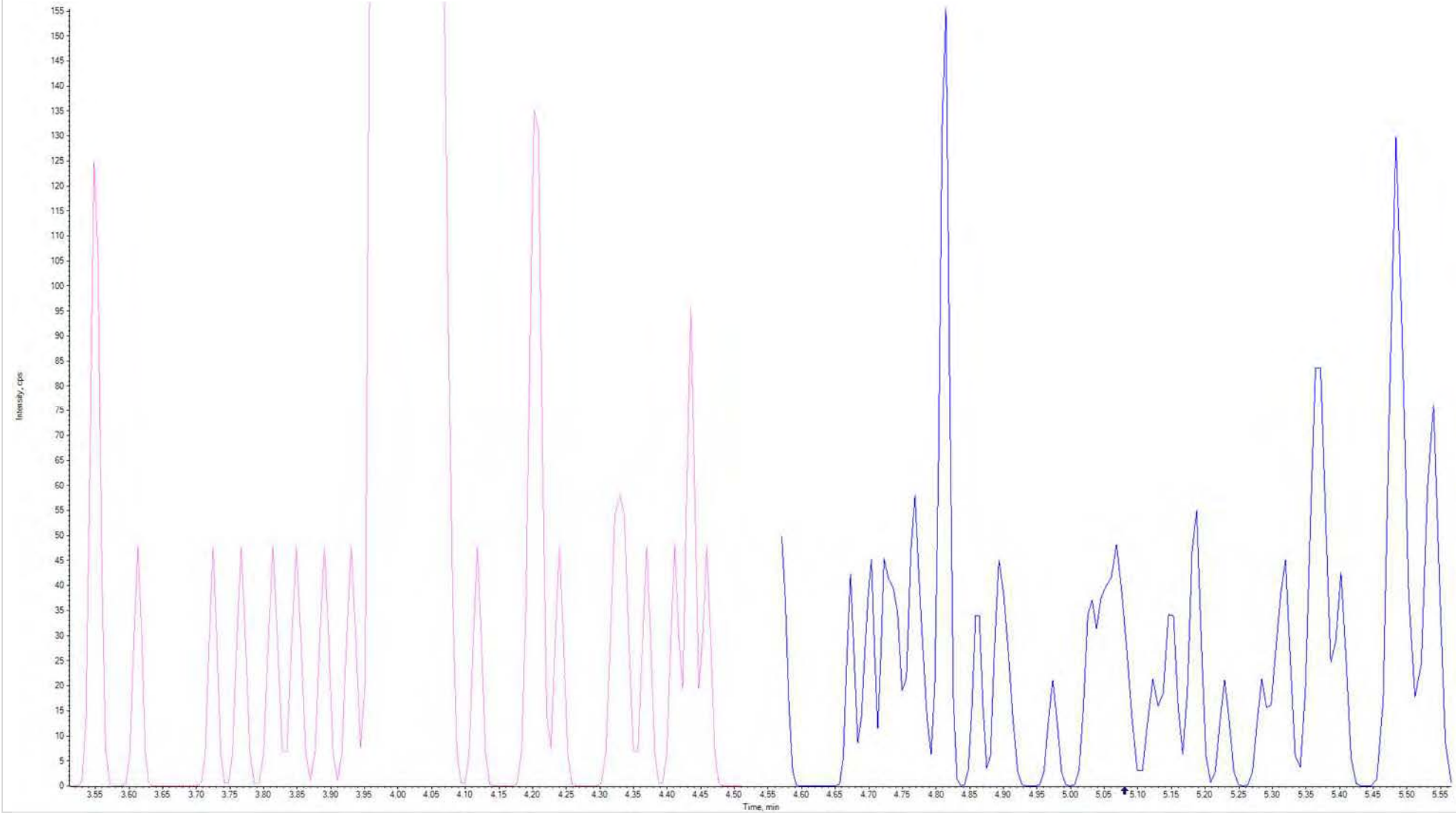
11Cl-PF3OUdS_2
Sample: L2512368-20 S/N:N/A Points Across peak:N/A



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Alpha Analytical LLC
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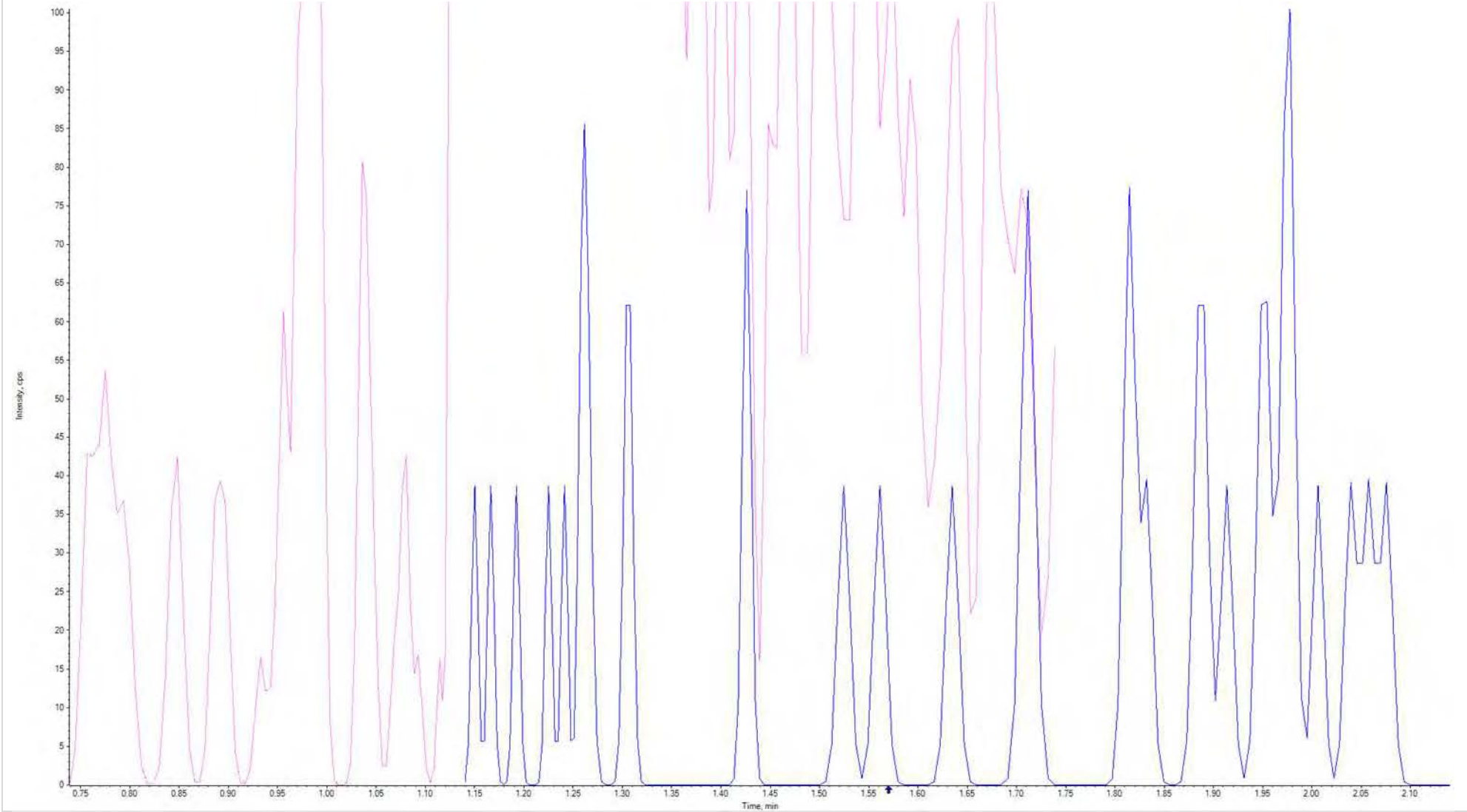
3:3FTCA
Sample: L2512368-20 S/N:N/A Points Across peak:N/A



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3:3FTCA_2
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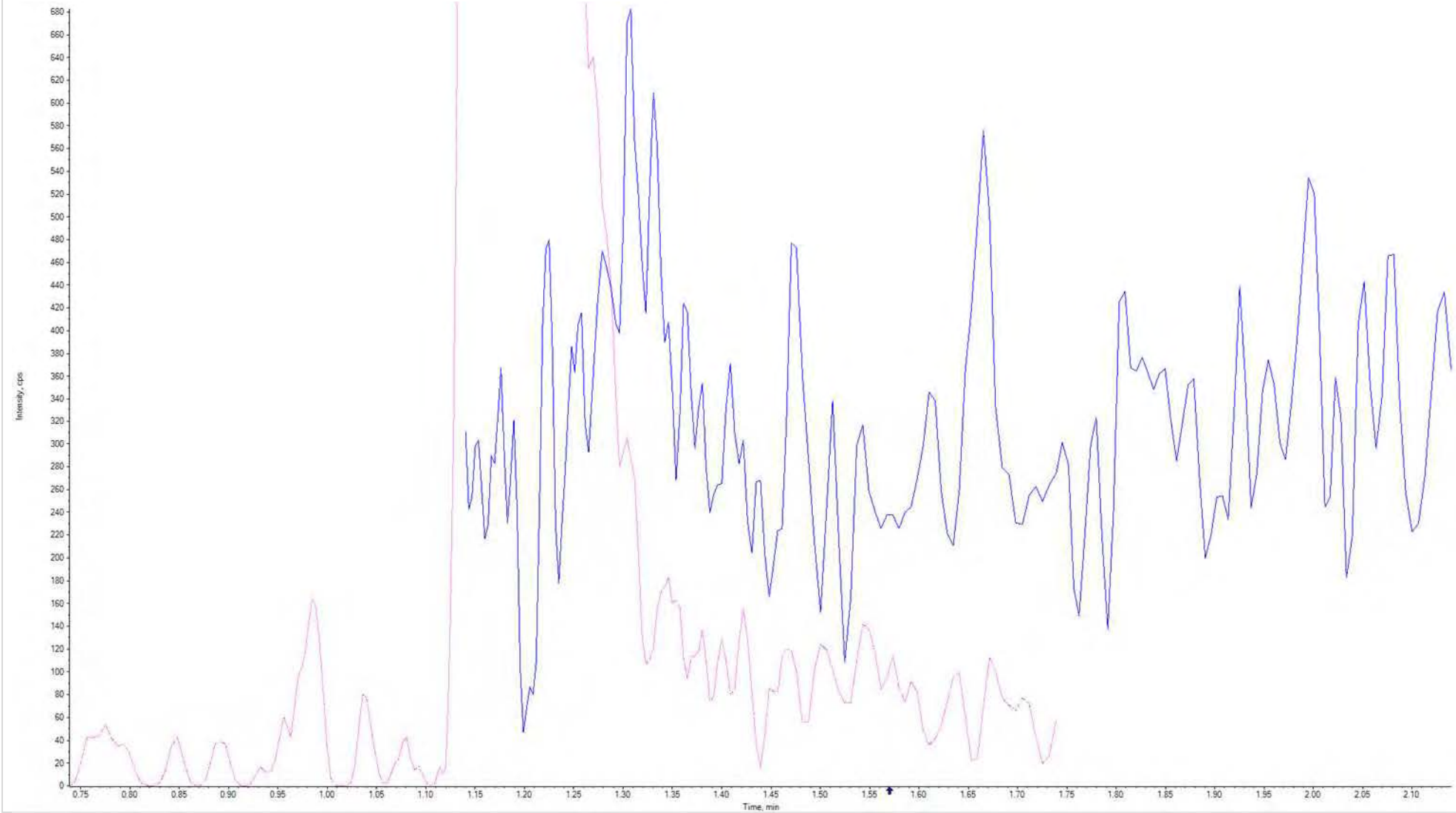

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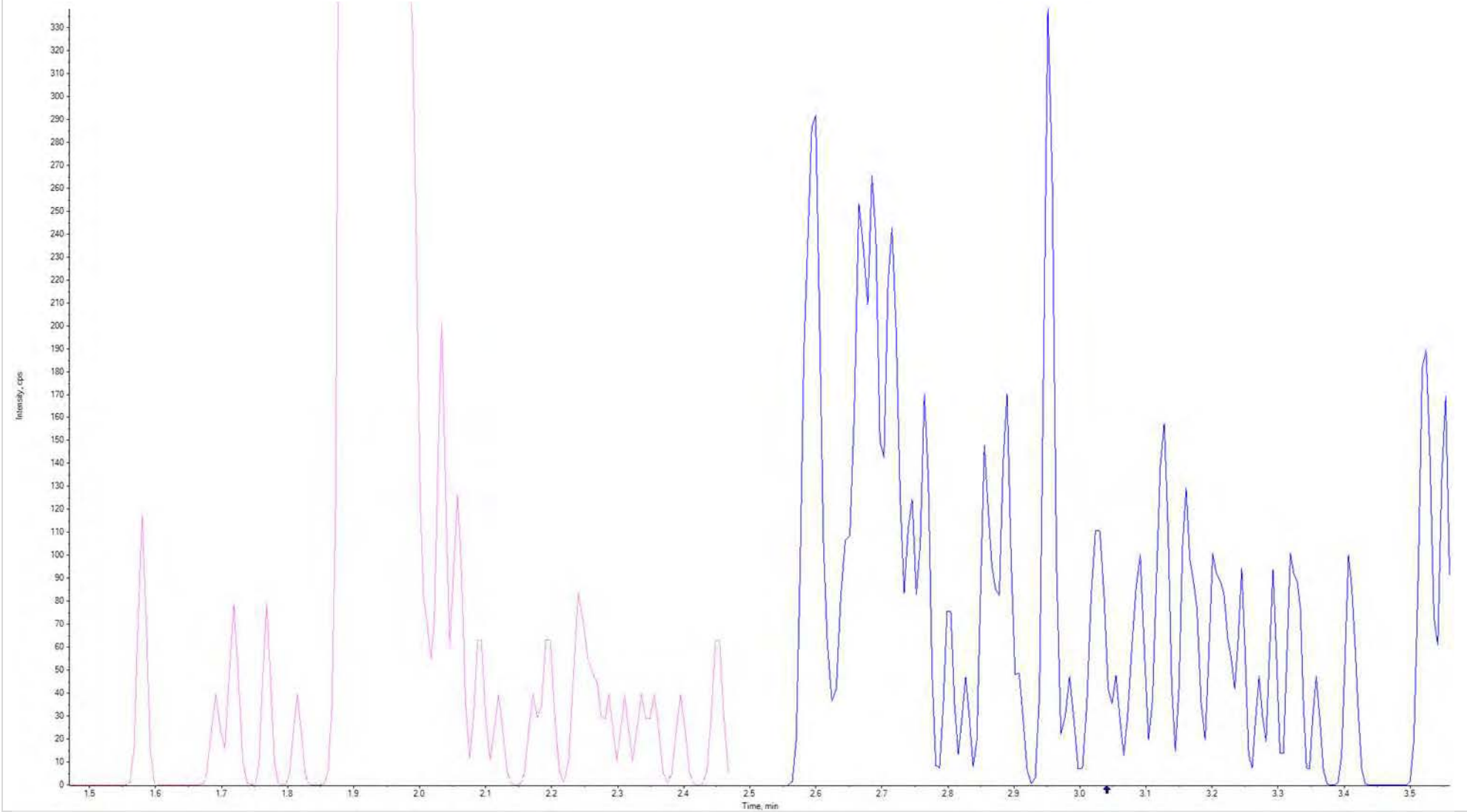
5:3FTCA
Sample: L2512368-20 S/N:N/A Points Across peak:N/A



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Alpha Analytical LLC
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5:3FTCA_2
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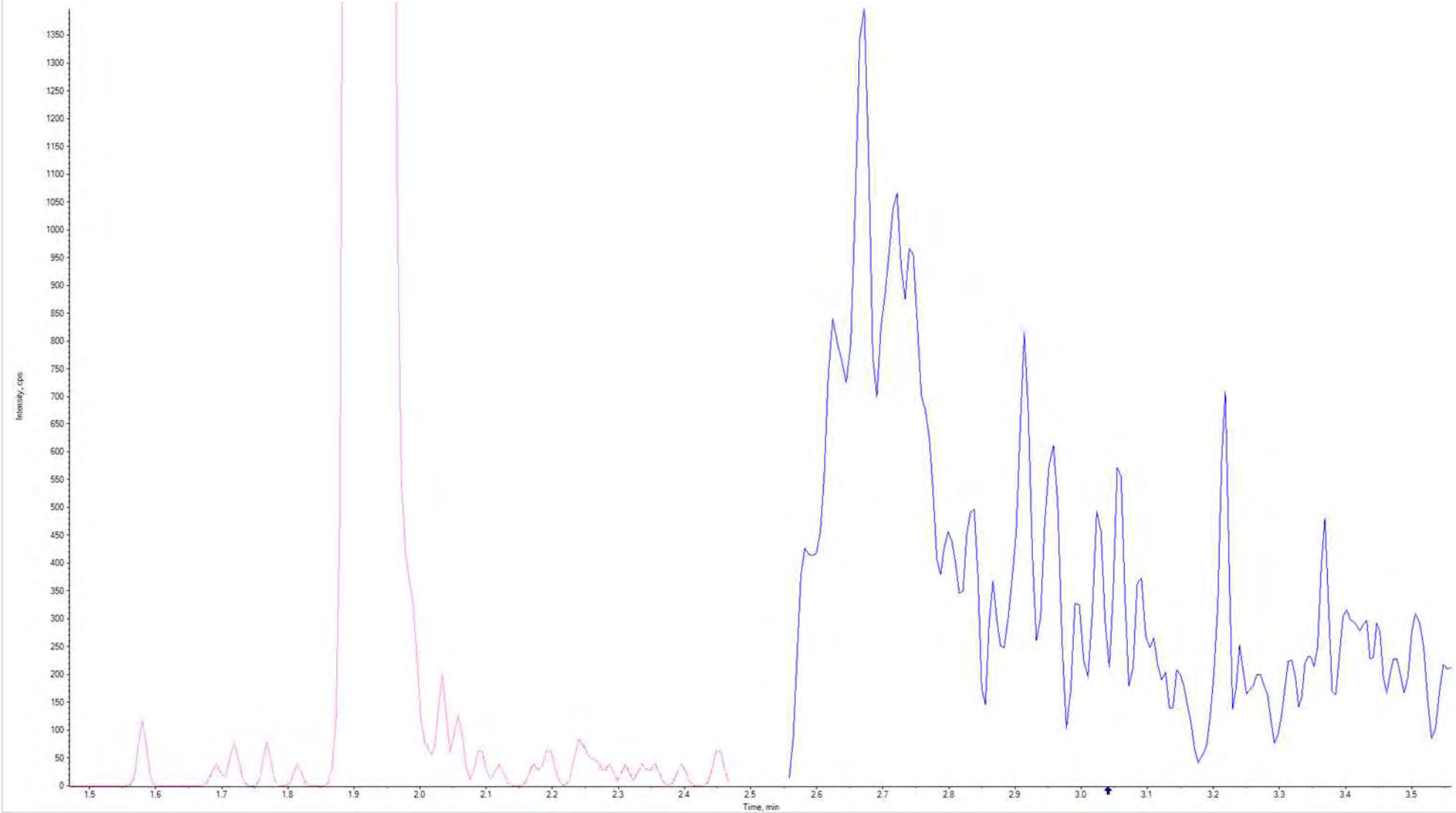

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Alpha Analytical LLC
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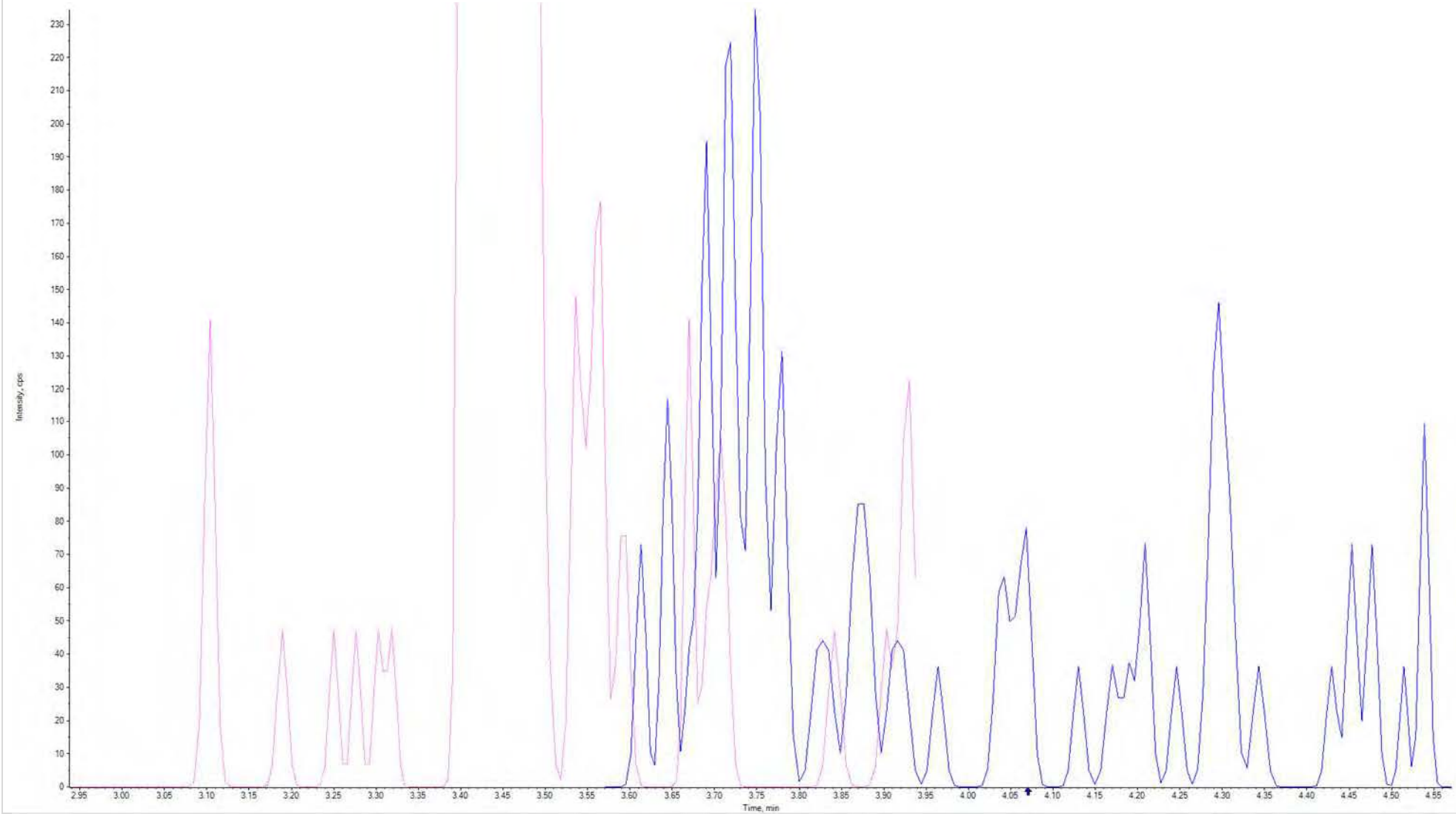
7:3FTCA
Sample: L2512368-20 S/N:N/A Points Across peak:N/A



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7:3FTCA_2
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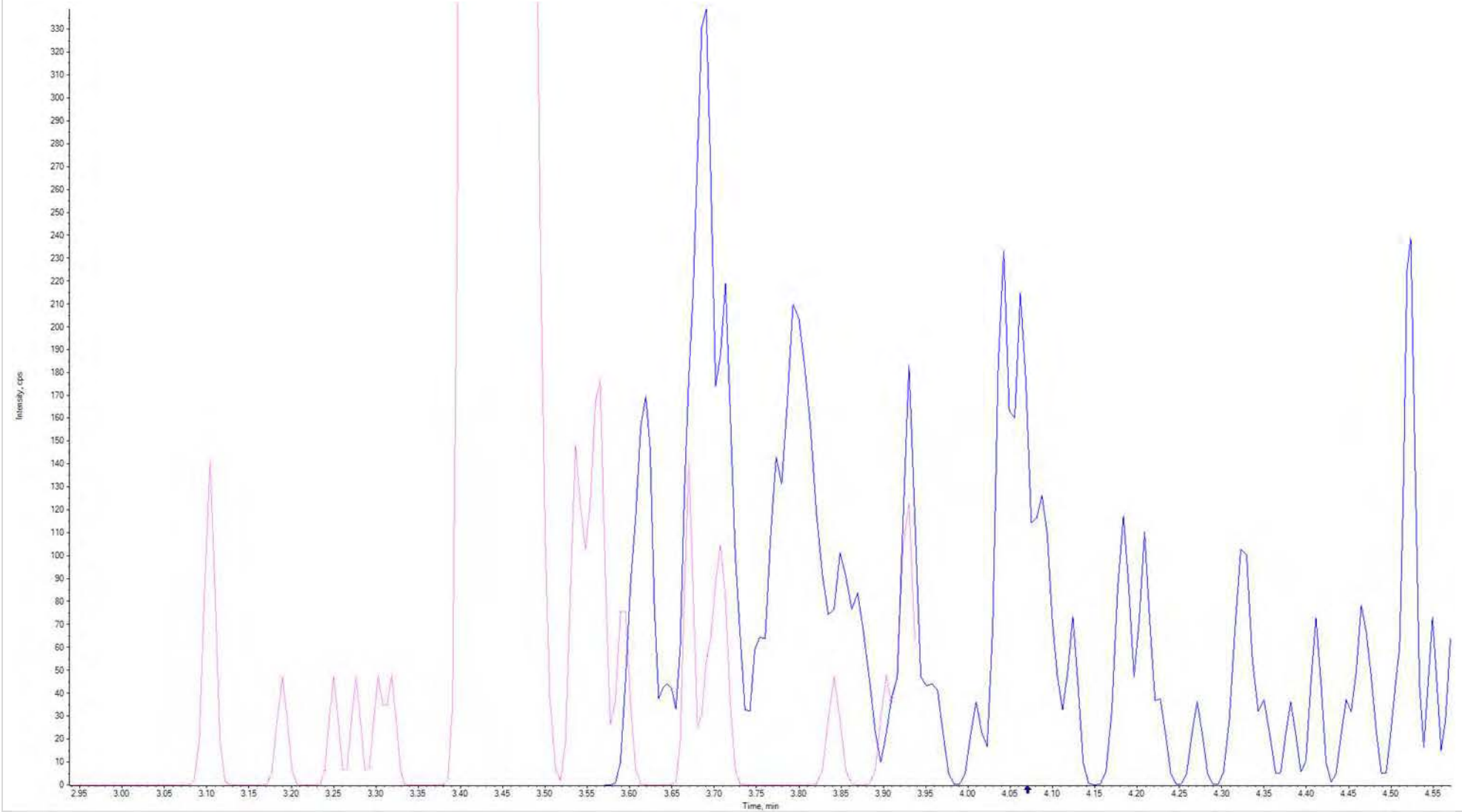

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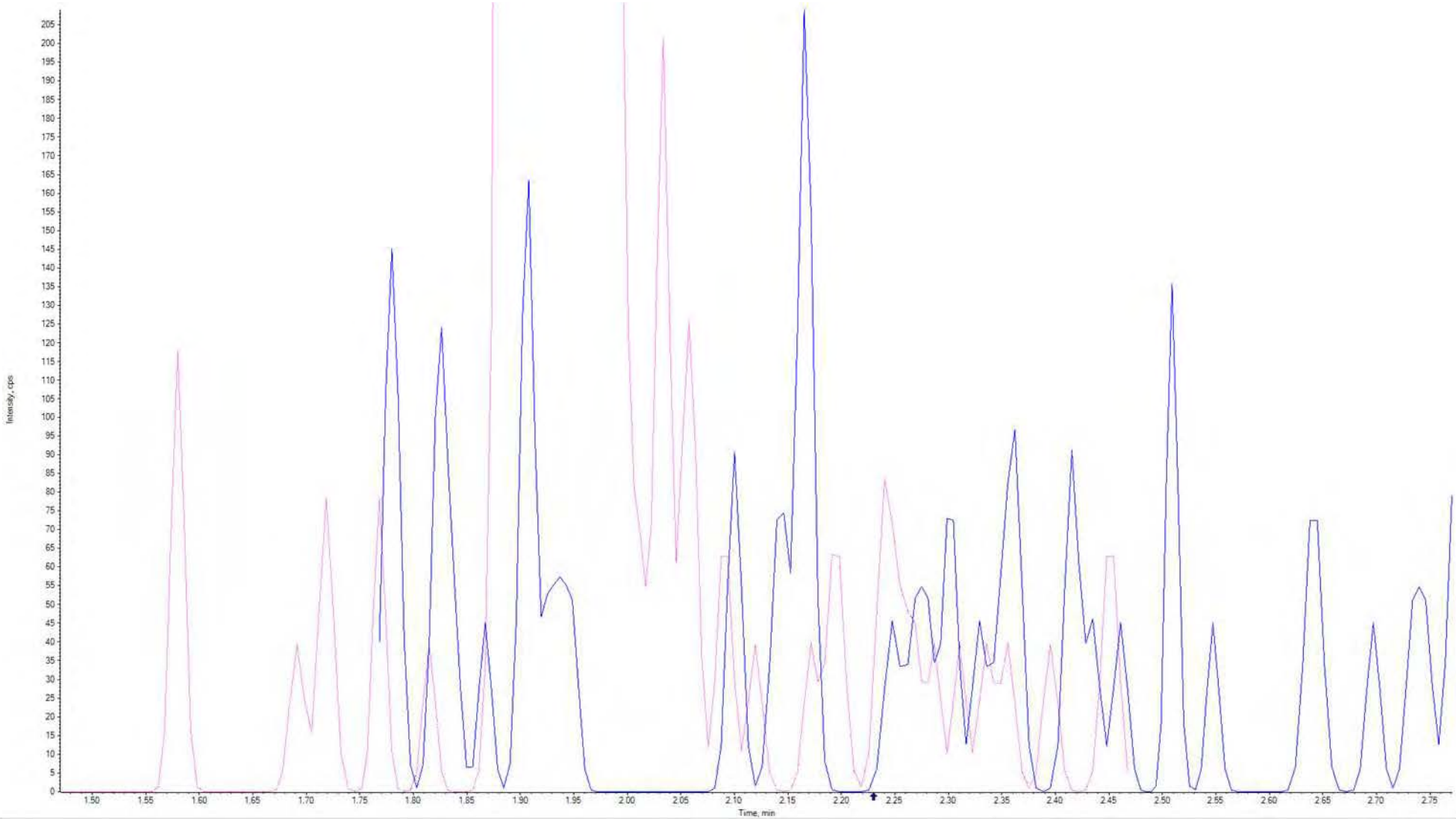
PFEESA
Sample: L2512368-20 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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PFEESA_2
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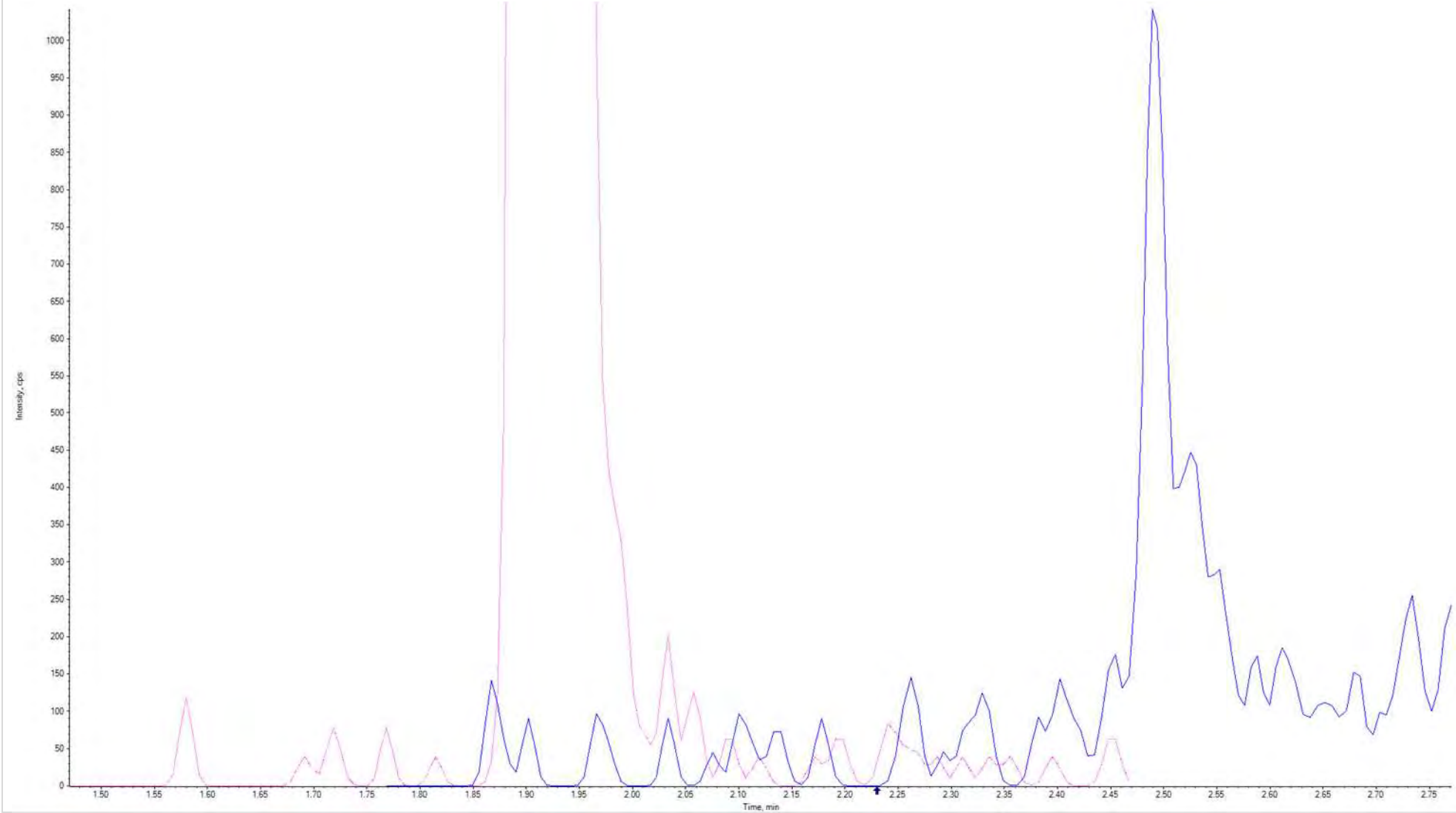

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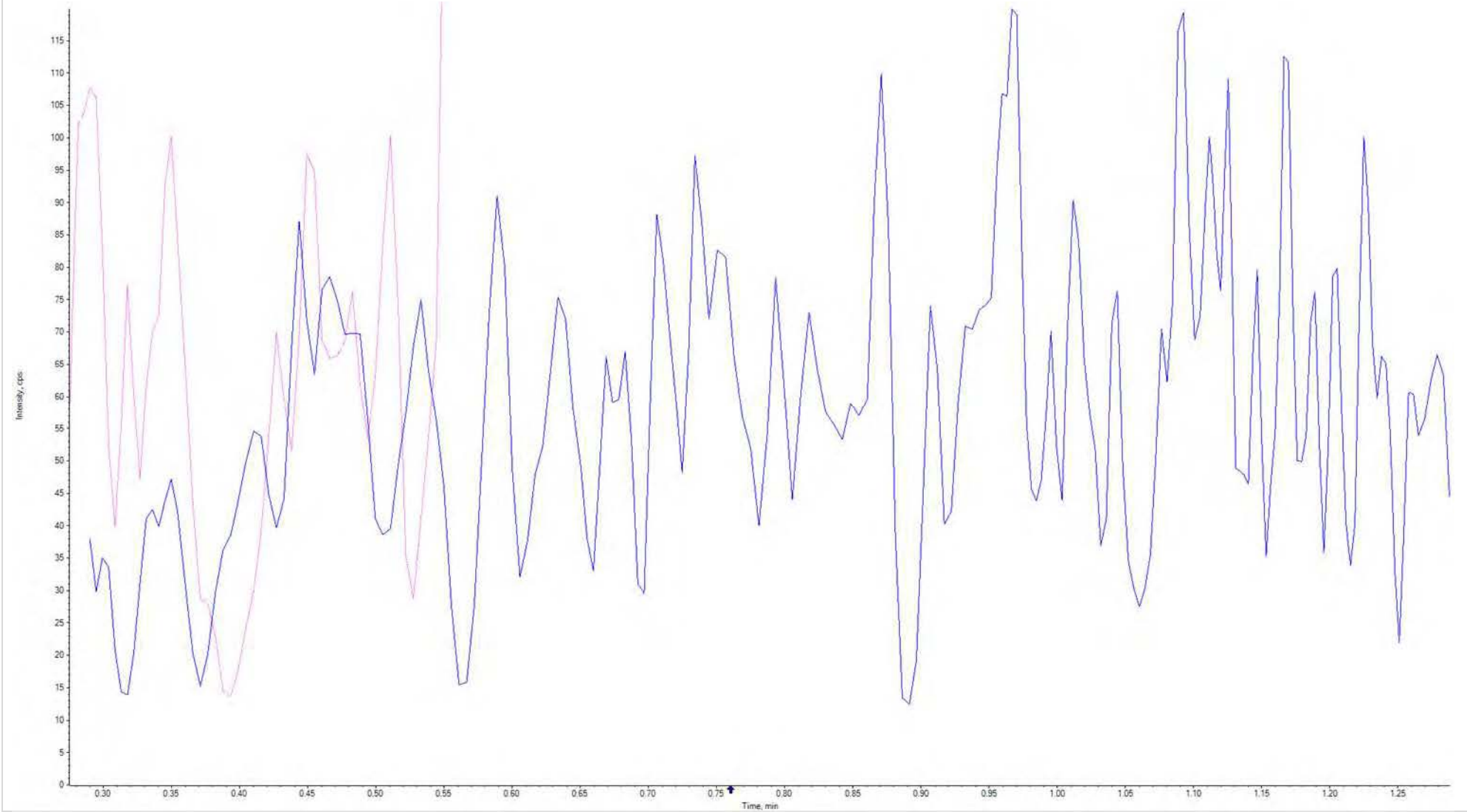
PFMPA
Sample: L2512368-20 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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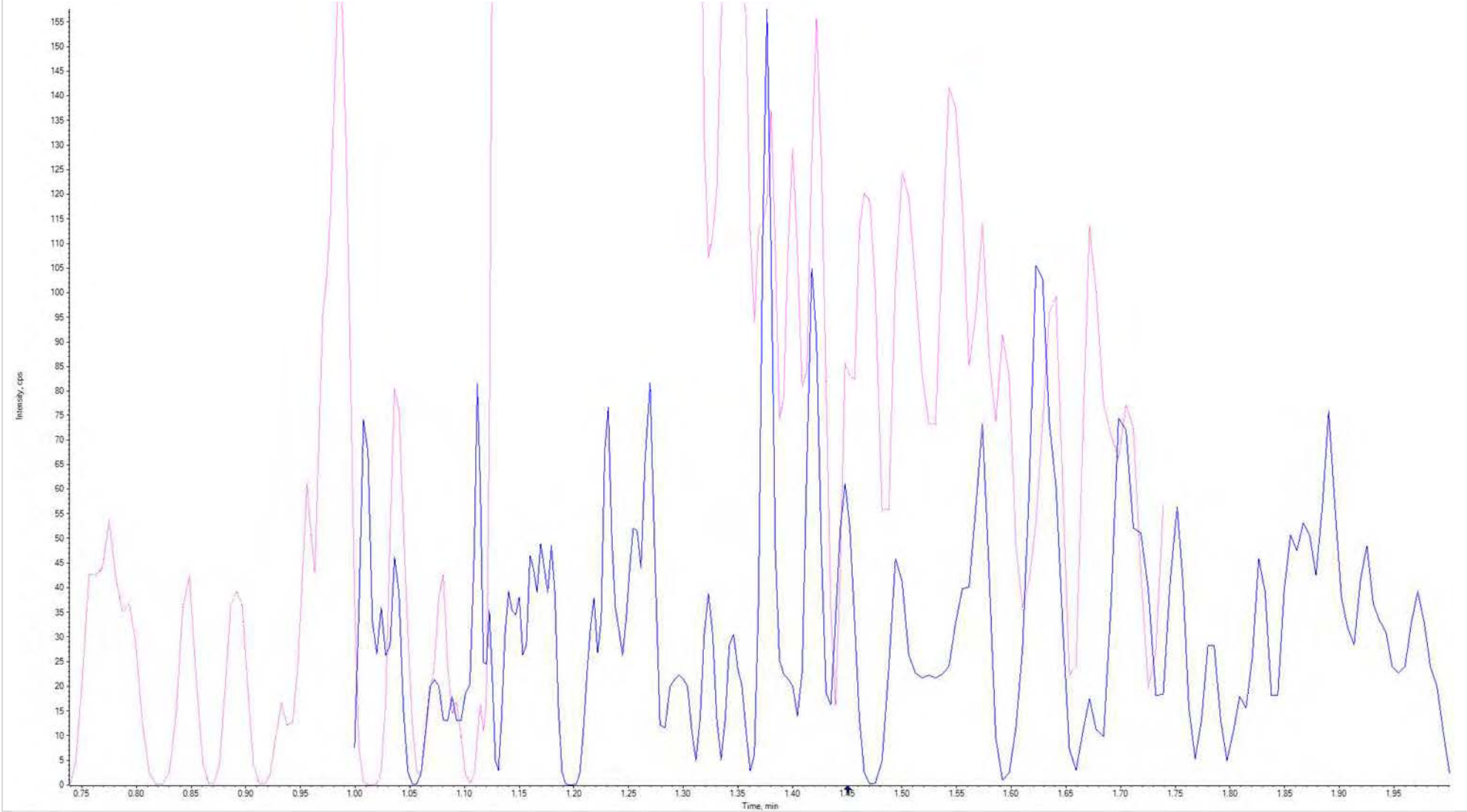
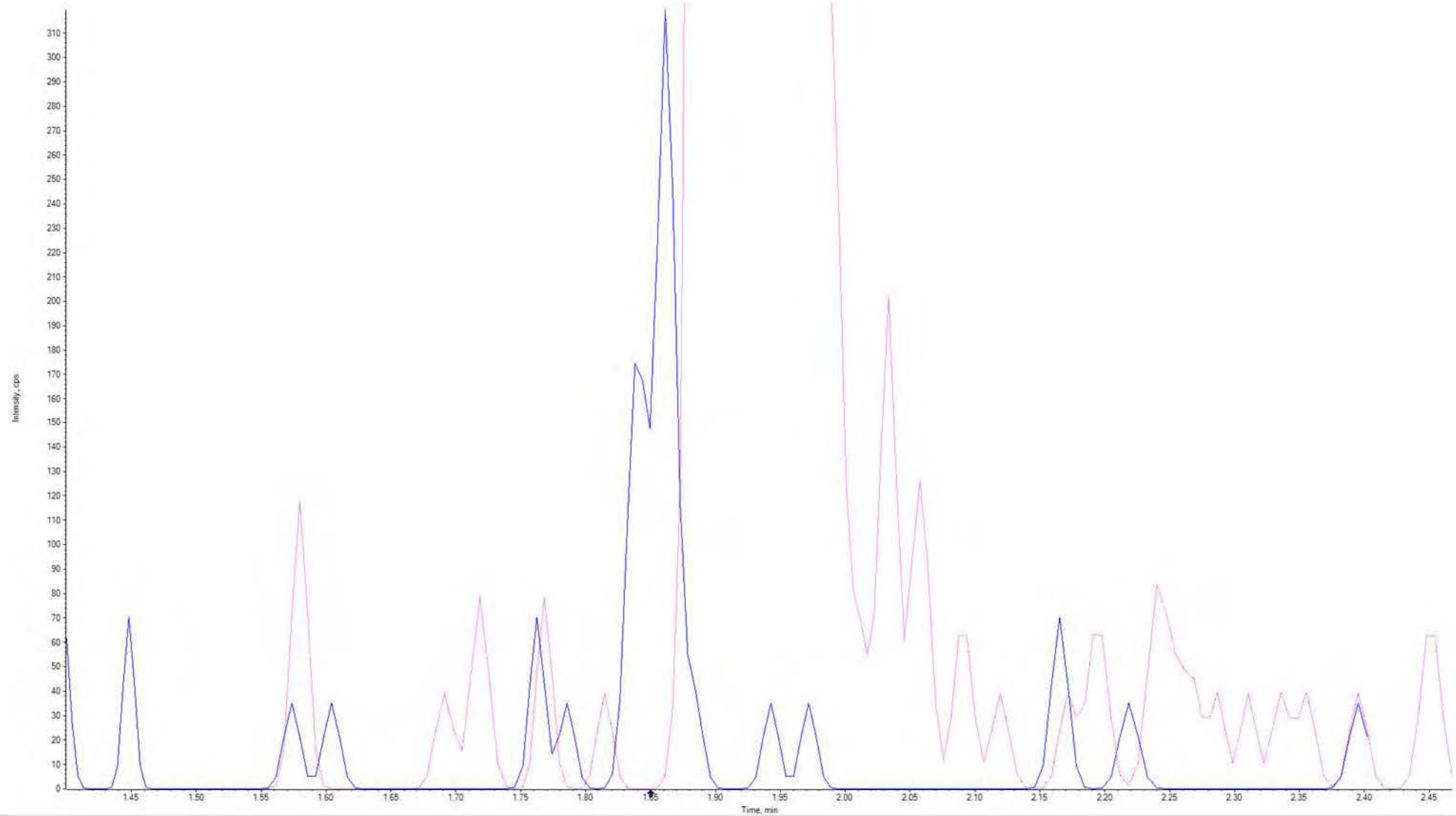
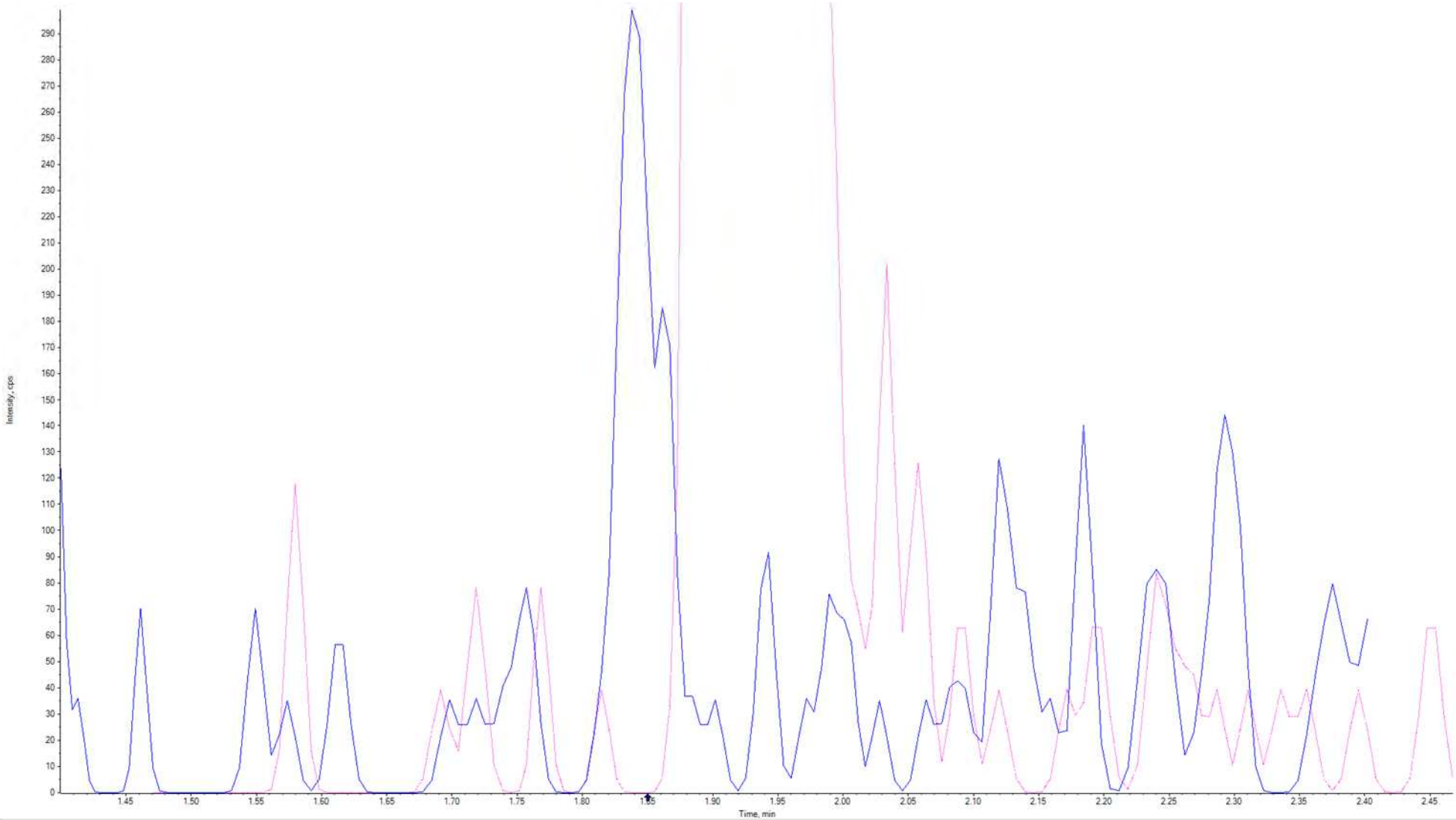
PFMBA
Sample: L2512368-20 S/N:N/A Points Across peak:N/A



NFDHA
Sample: L2512368-20 S/N:N/A Points Across peak:N/A



NFDHA_2
Sample: L2512368-20 S/N:N/A Points Across peak:N/A



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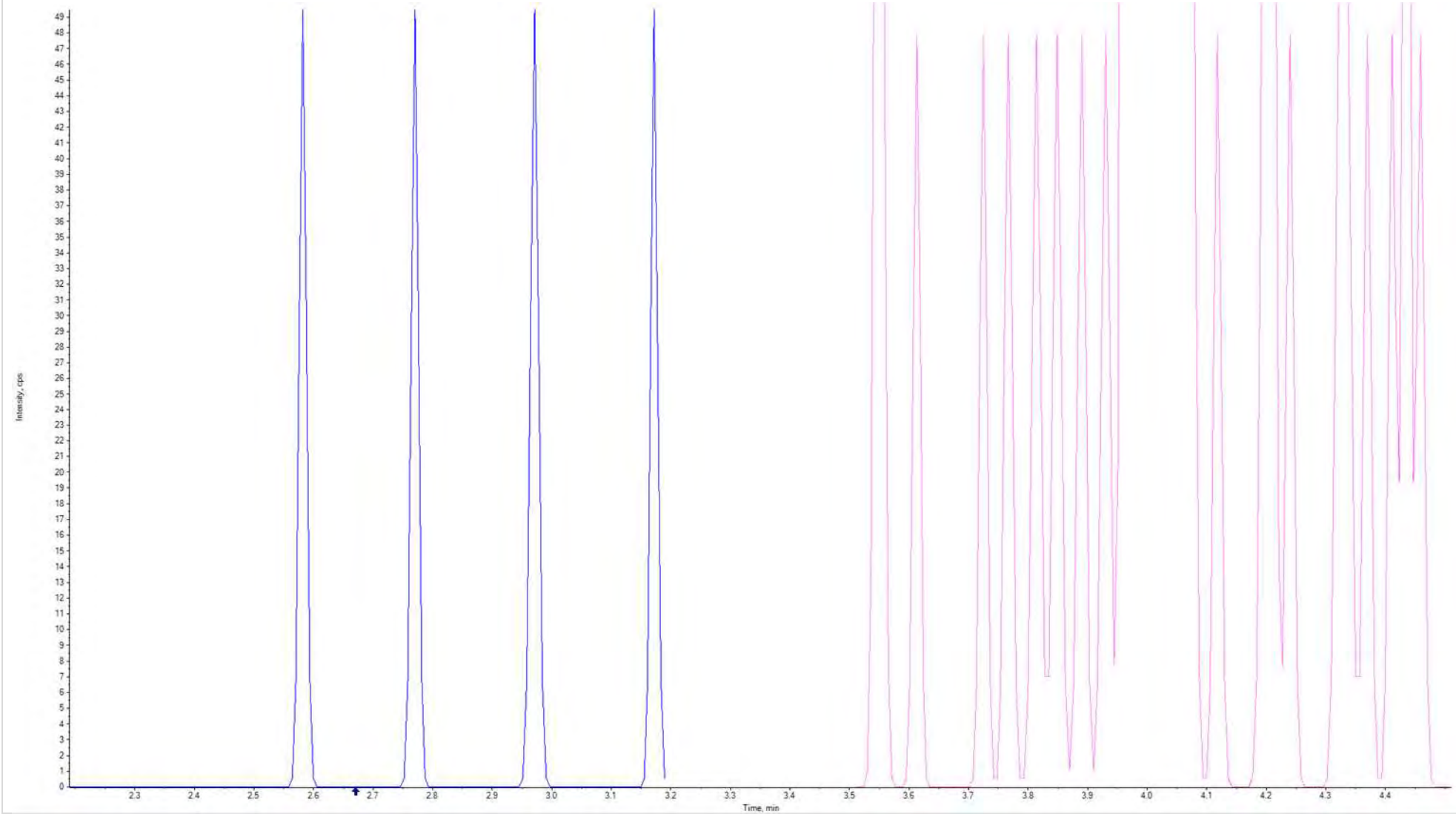
TDCA
Sample: L2512368-20 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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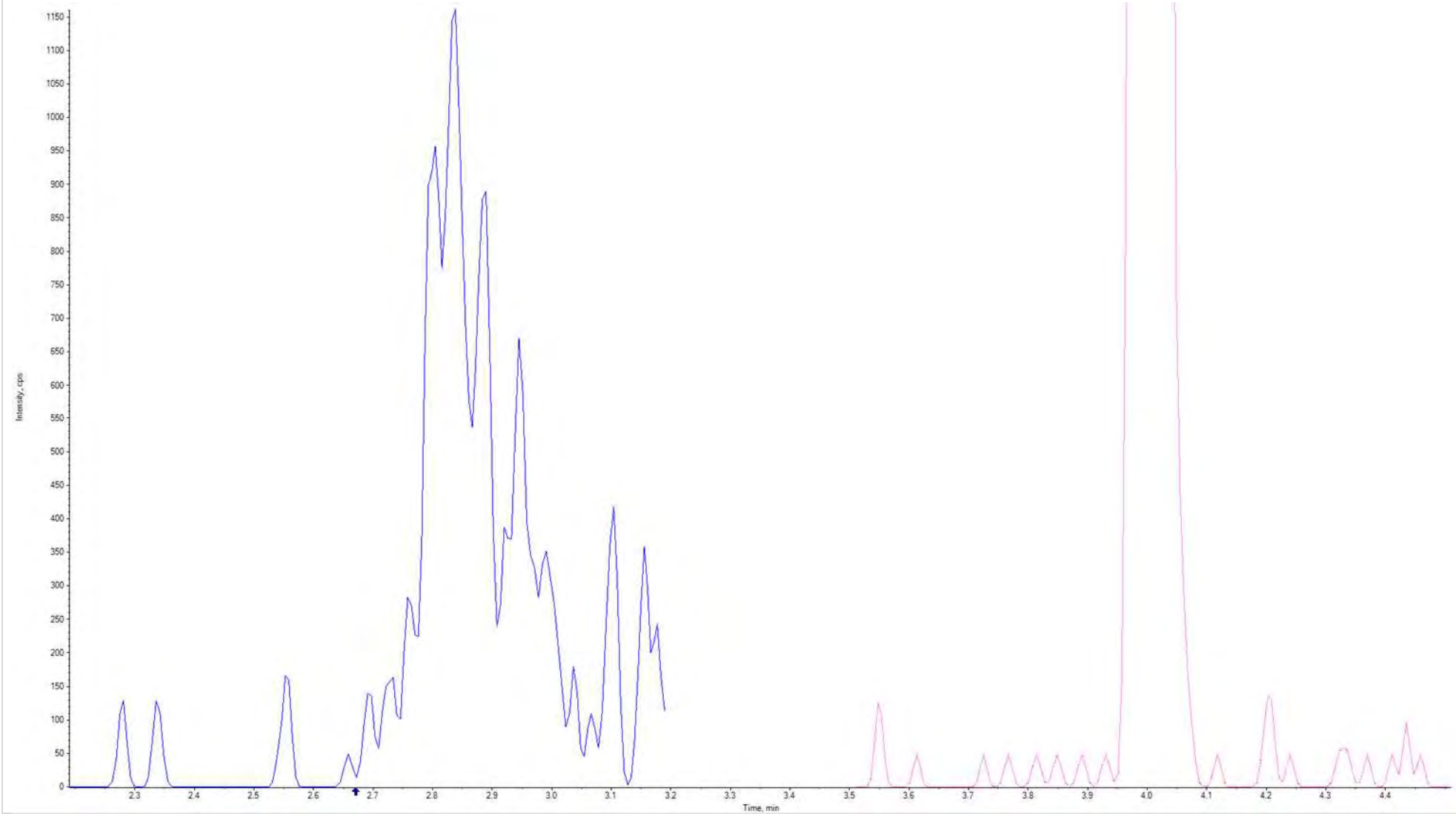
TDCA_2
Sample: L2512368-20 S/N:N/A Points Across peak:N/A



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Last Altered: 3/11/2025 2:07:22 PM
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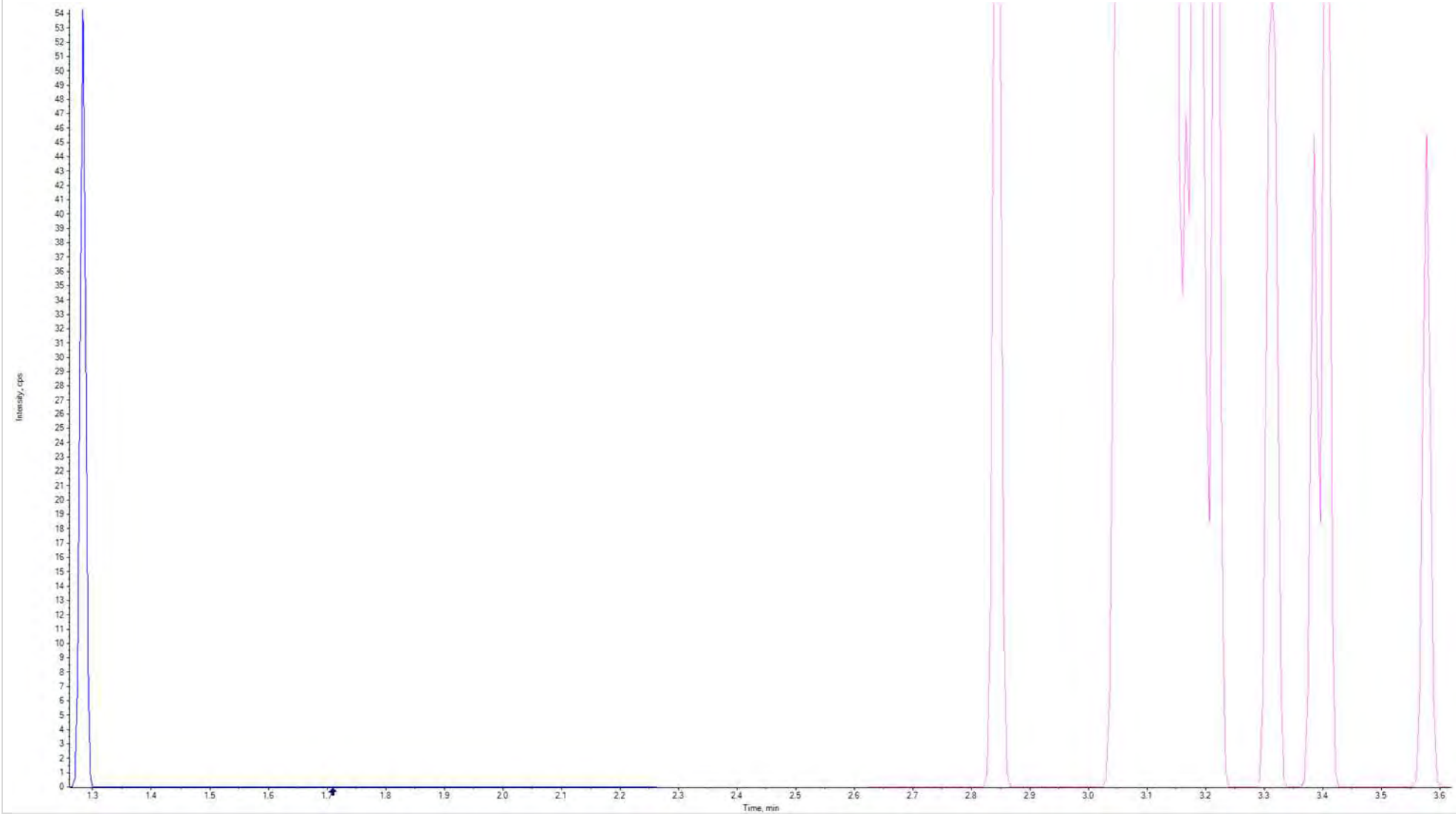
13C2D4-4:2FTS
Sample: L2512368-20 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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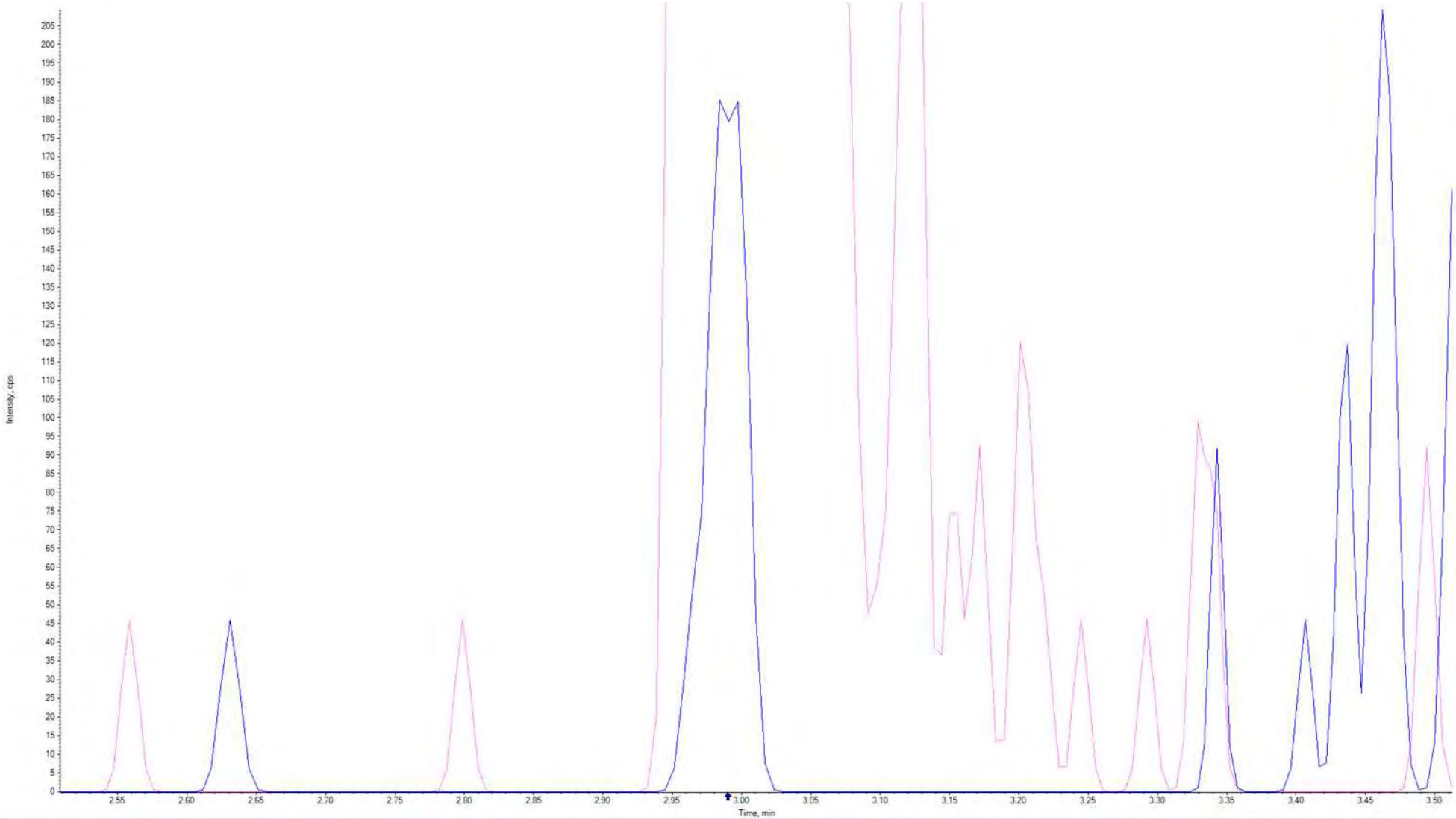
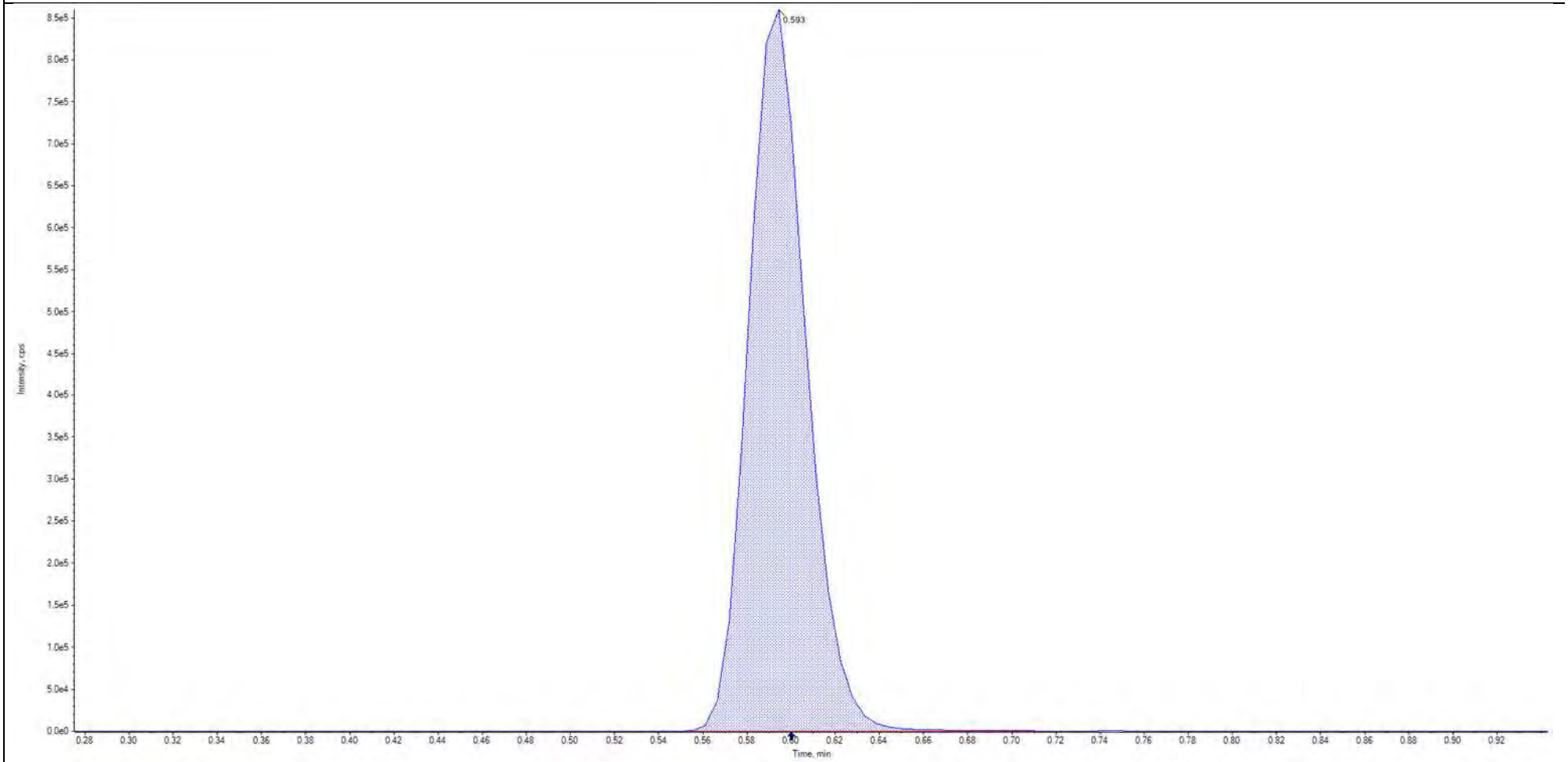
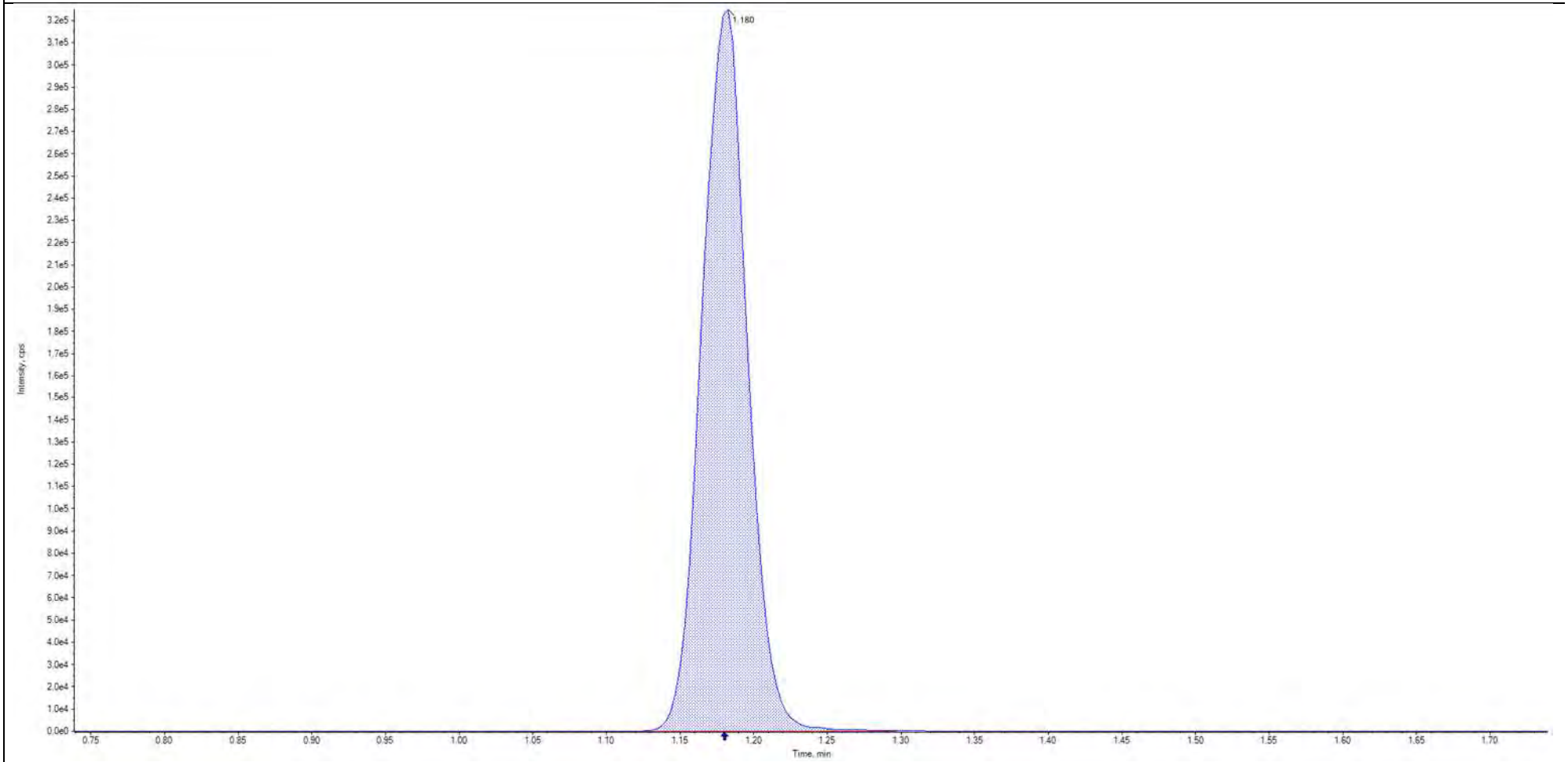
13C2-PFOA
Sample: L2512368-20 S/N:N/A Points Across peak:N/A



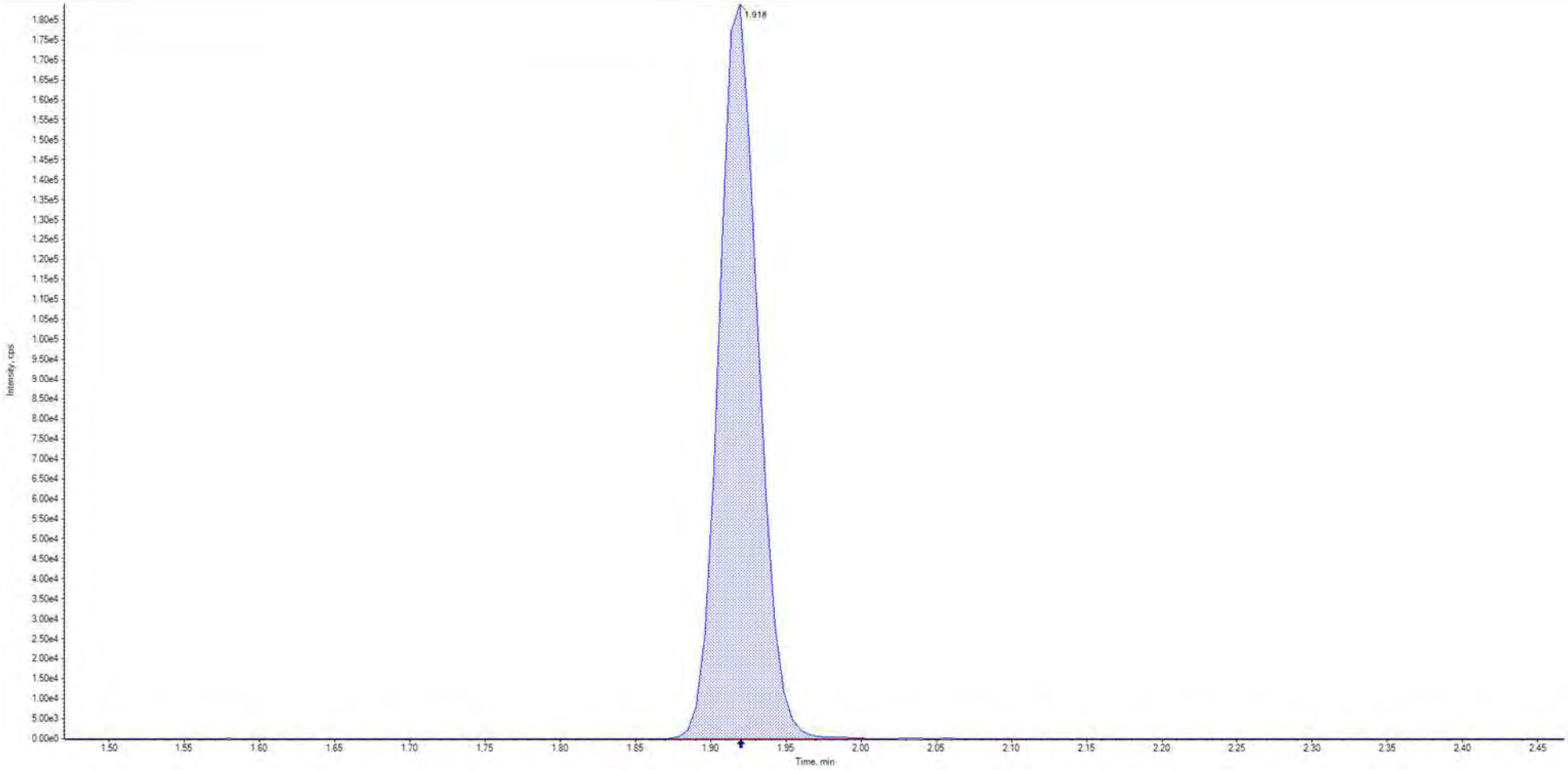
13C4-PFBA
Sample: L2512368-20



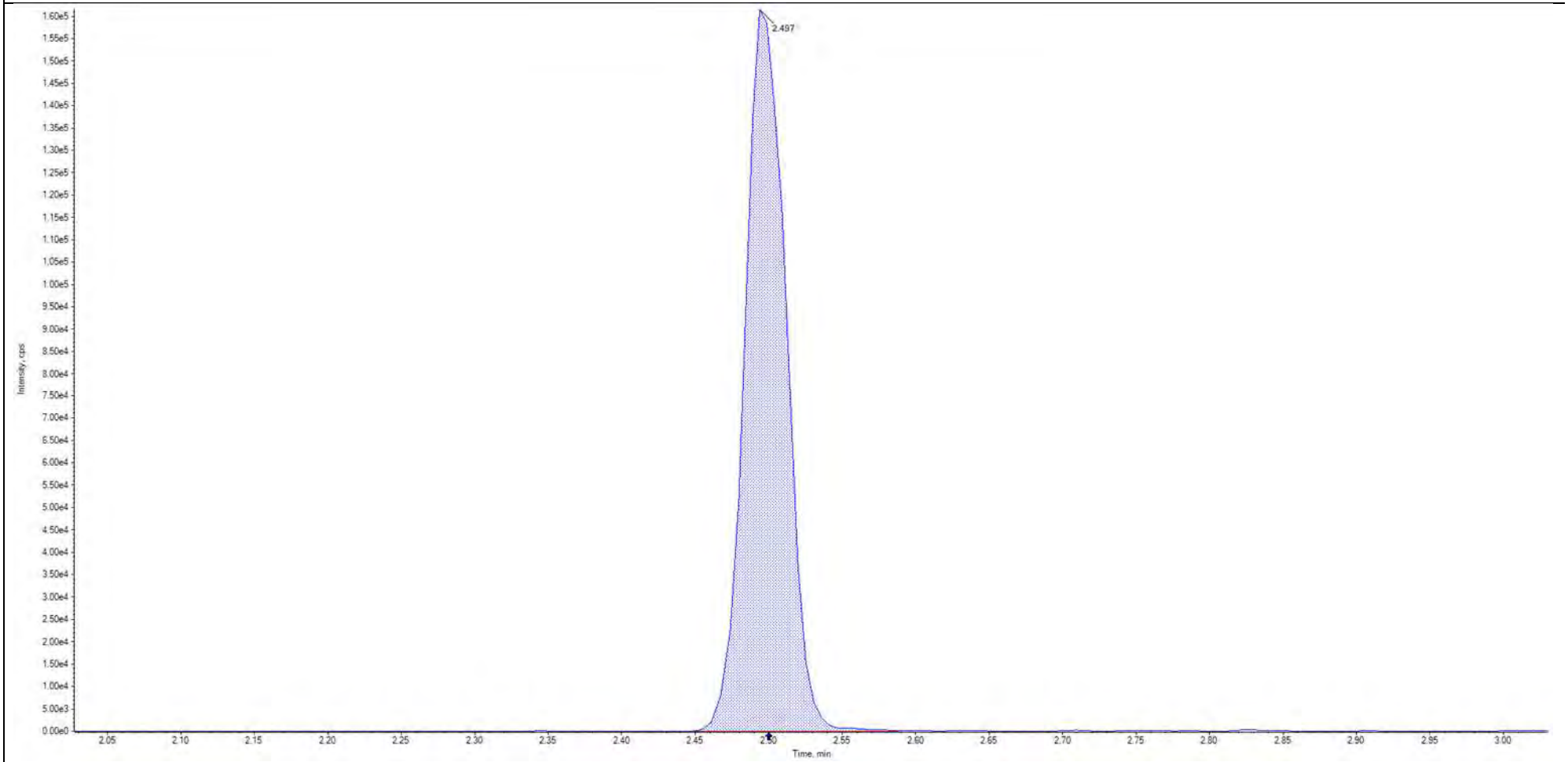
13C5-PFPeA
Sample: L2512368-20



13C5-PFHxA
Sample: L2512368-20



13C4-PFHpA
Sample: L2512368-20



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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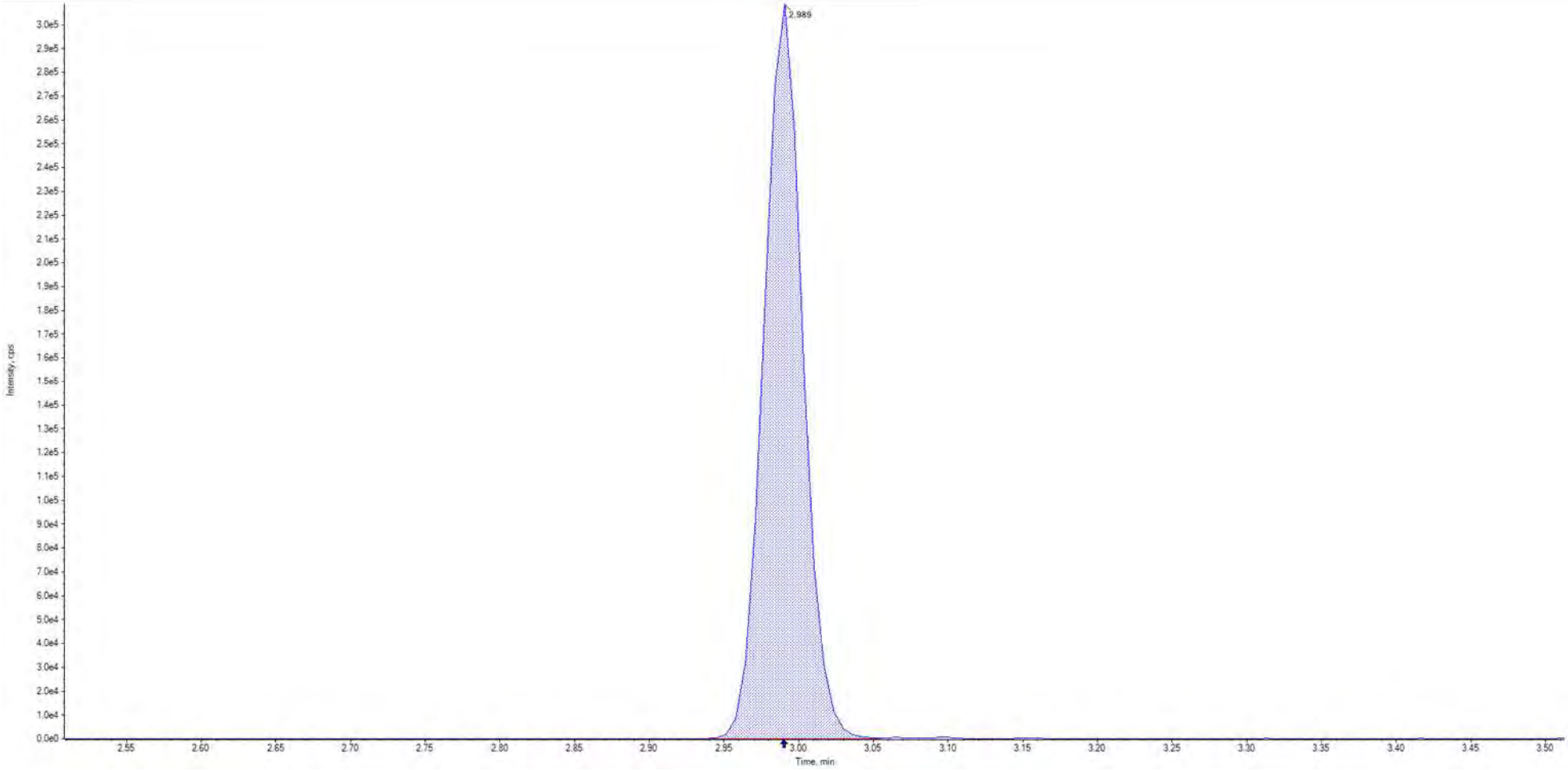
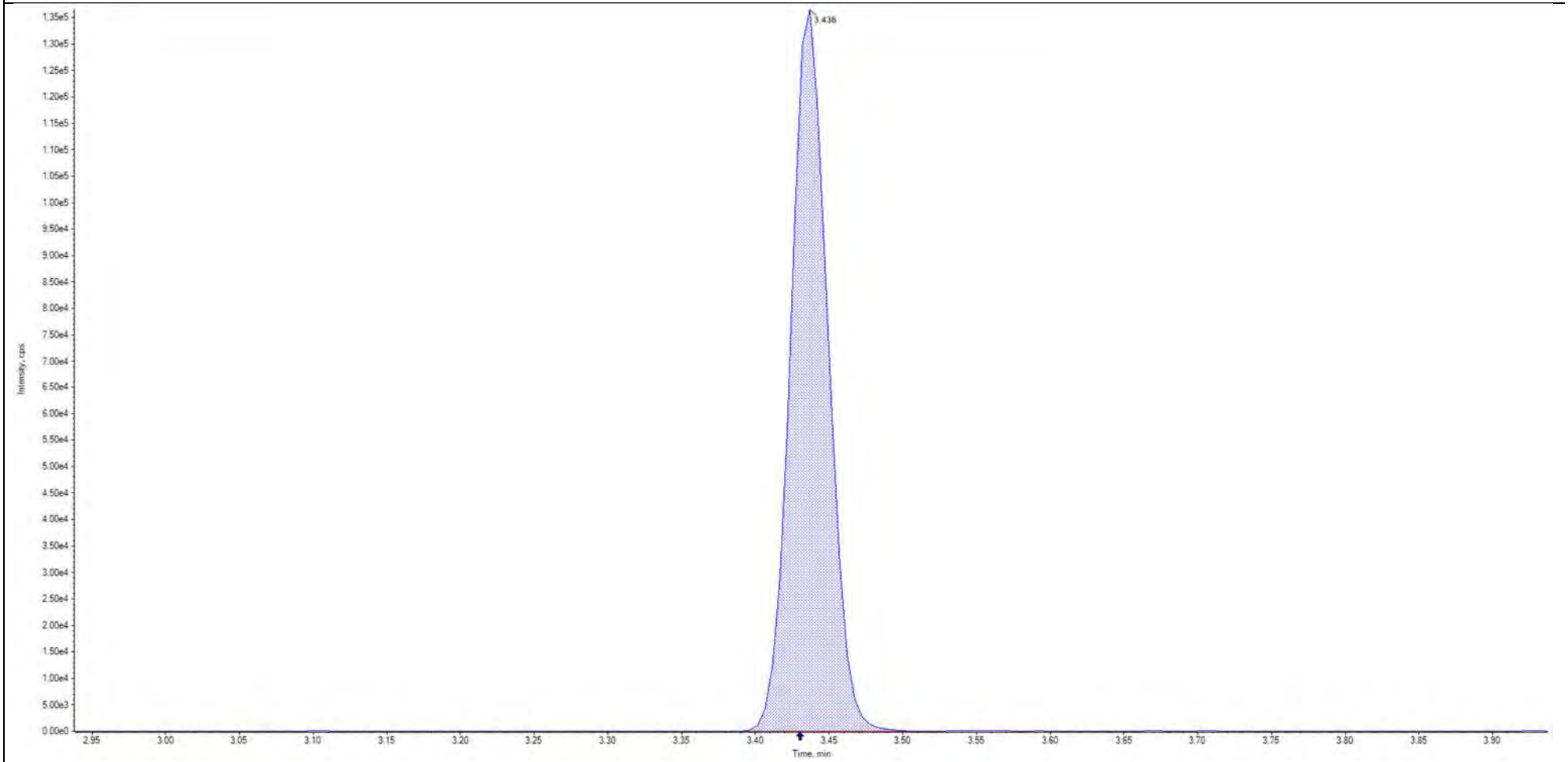
13C8-PFOA
Sample: L2512368-20



13C9-PFNA
Sample: L2512368-20



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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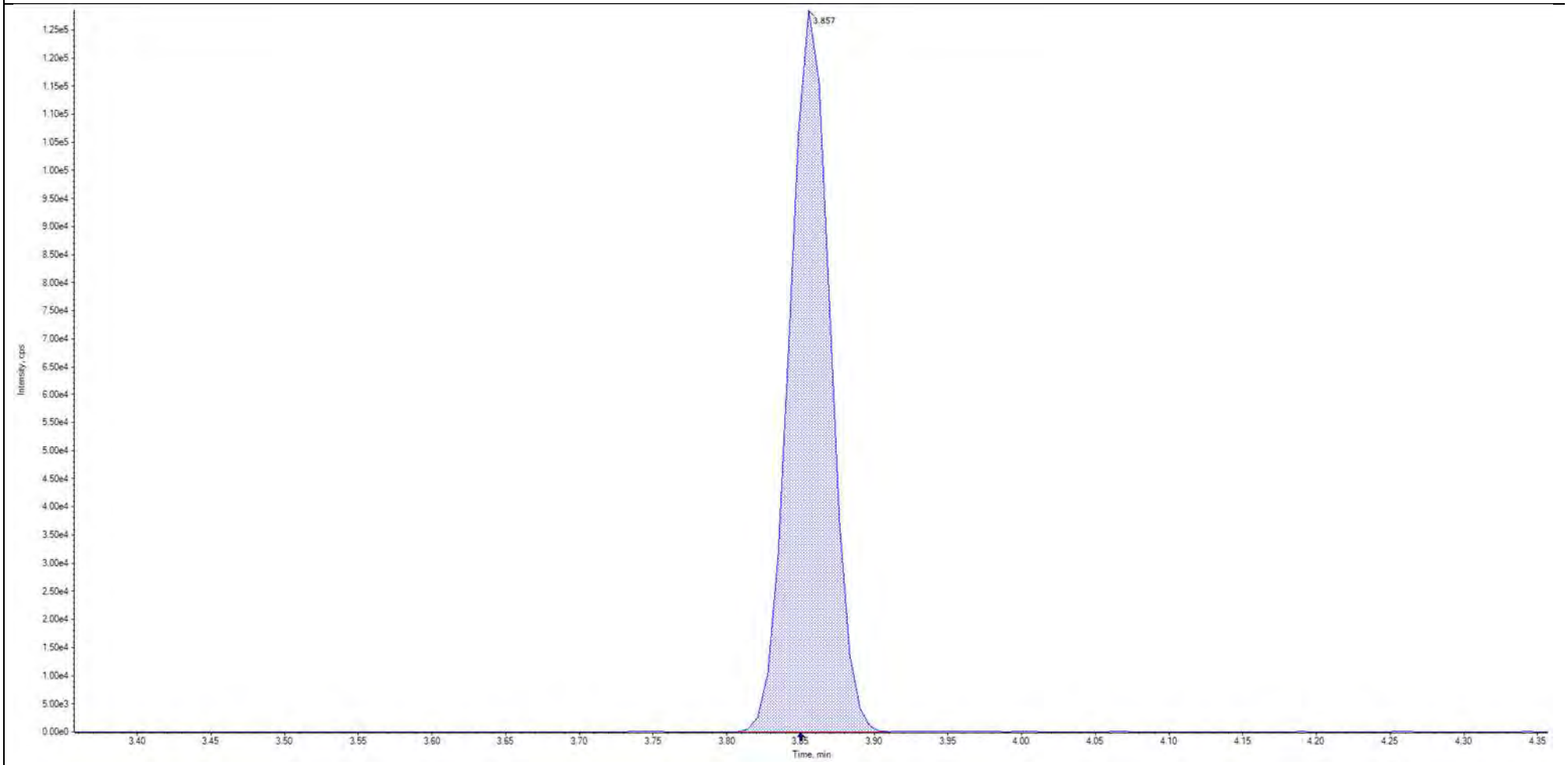
13C6-PFDA
Sample: L2512368-20



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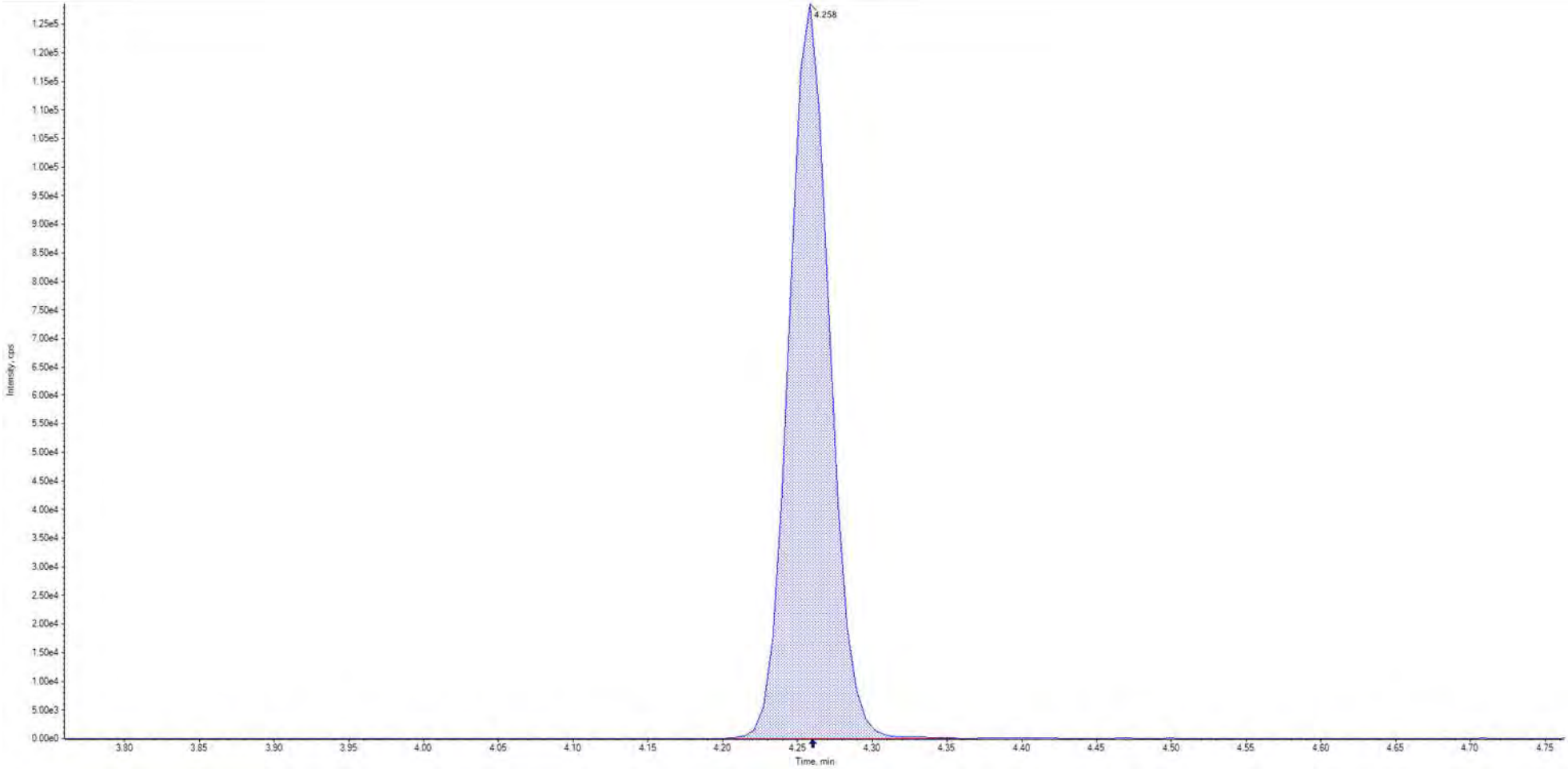
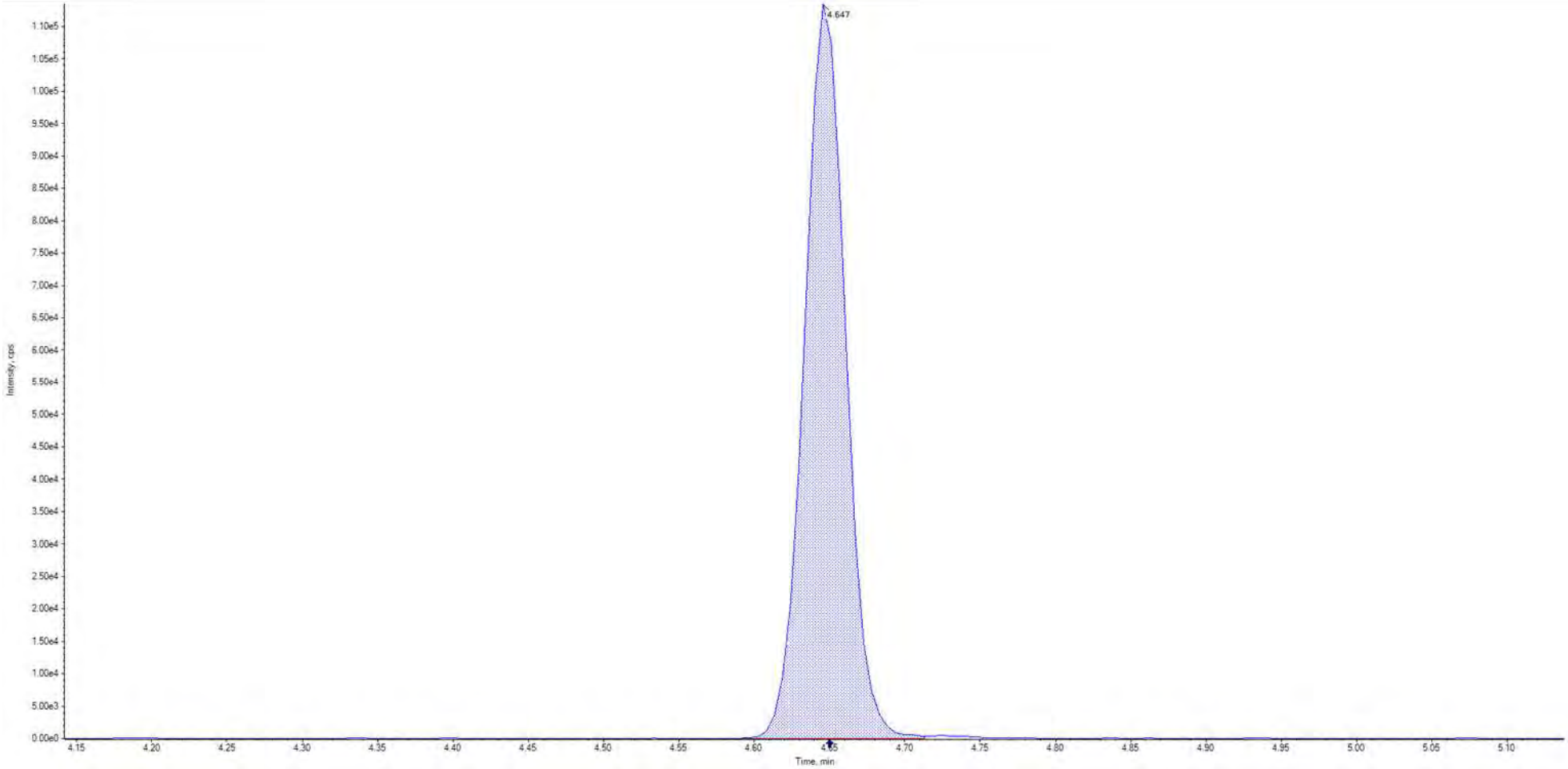
13C7-PFUnA
Sample: L2512368-20



13C2-PFDoA
Sample: L2512368-20



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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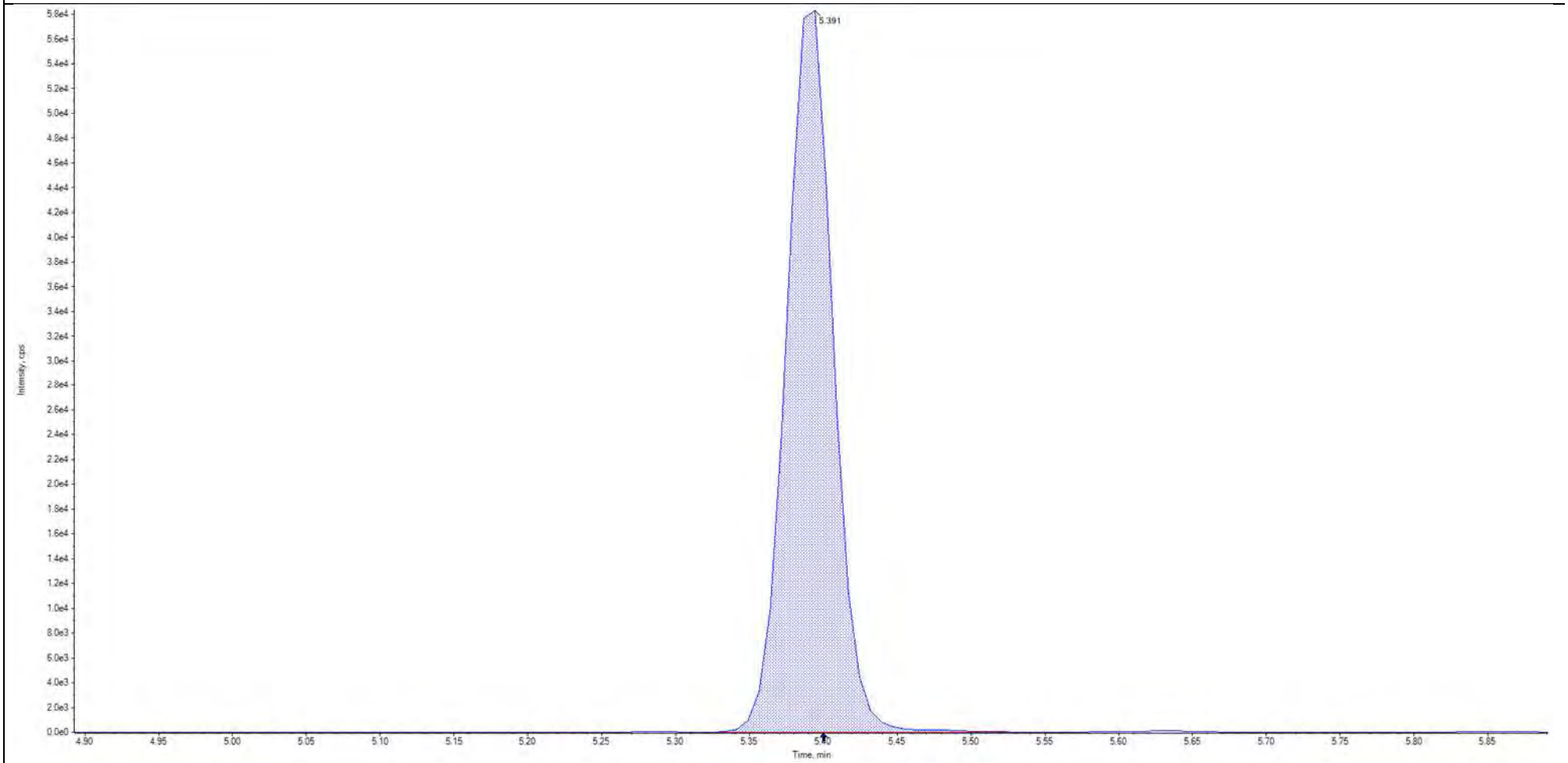
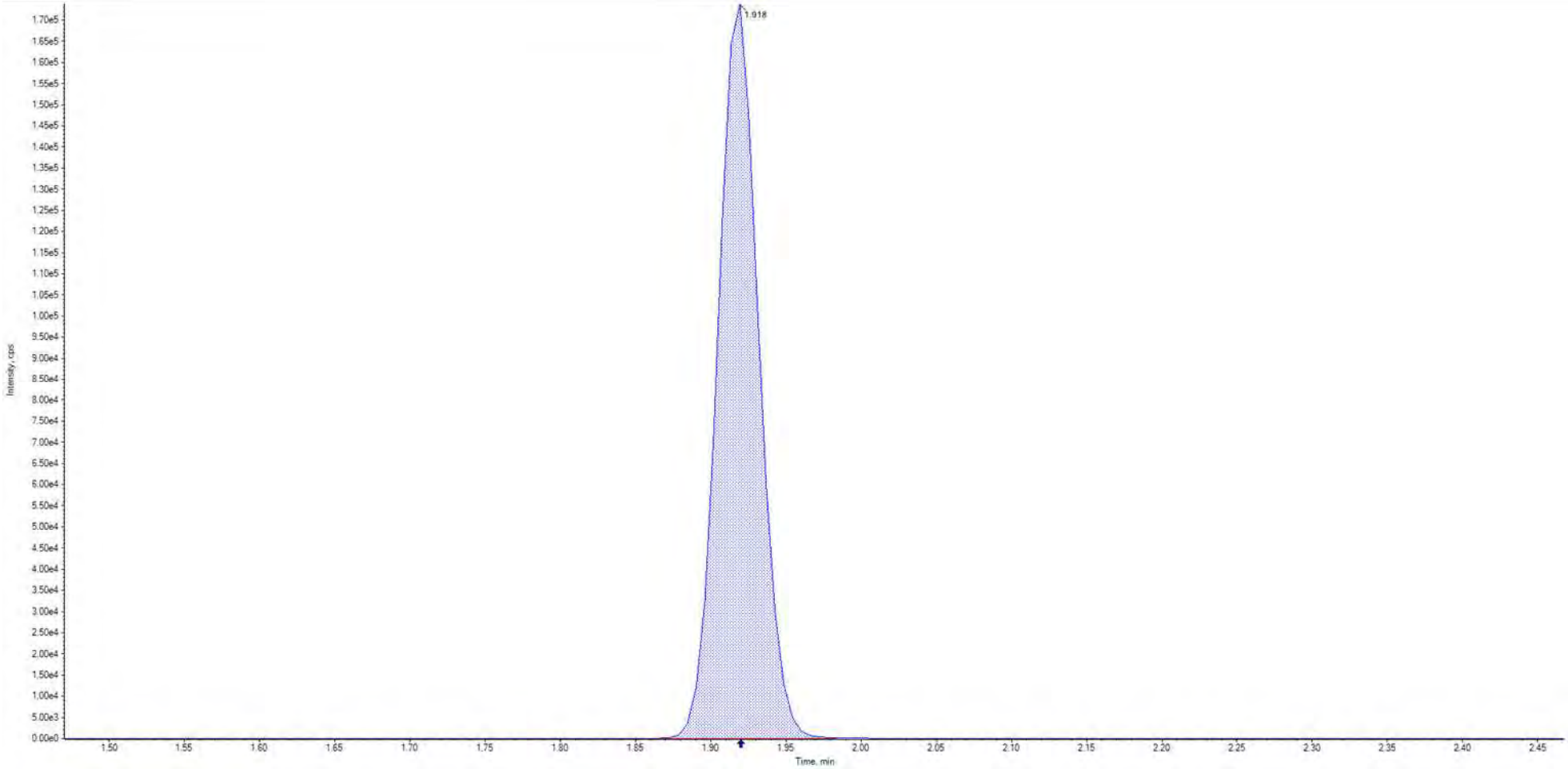
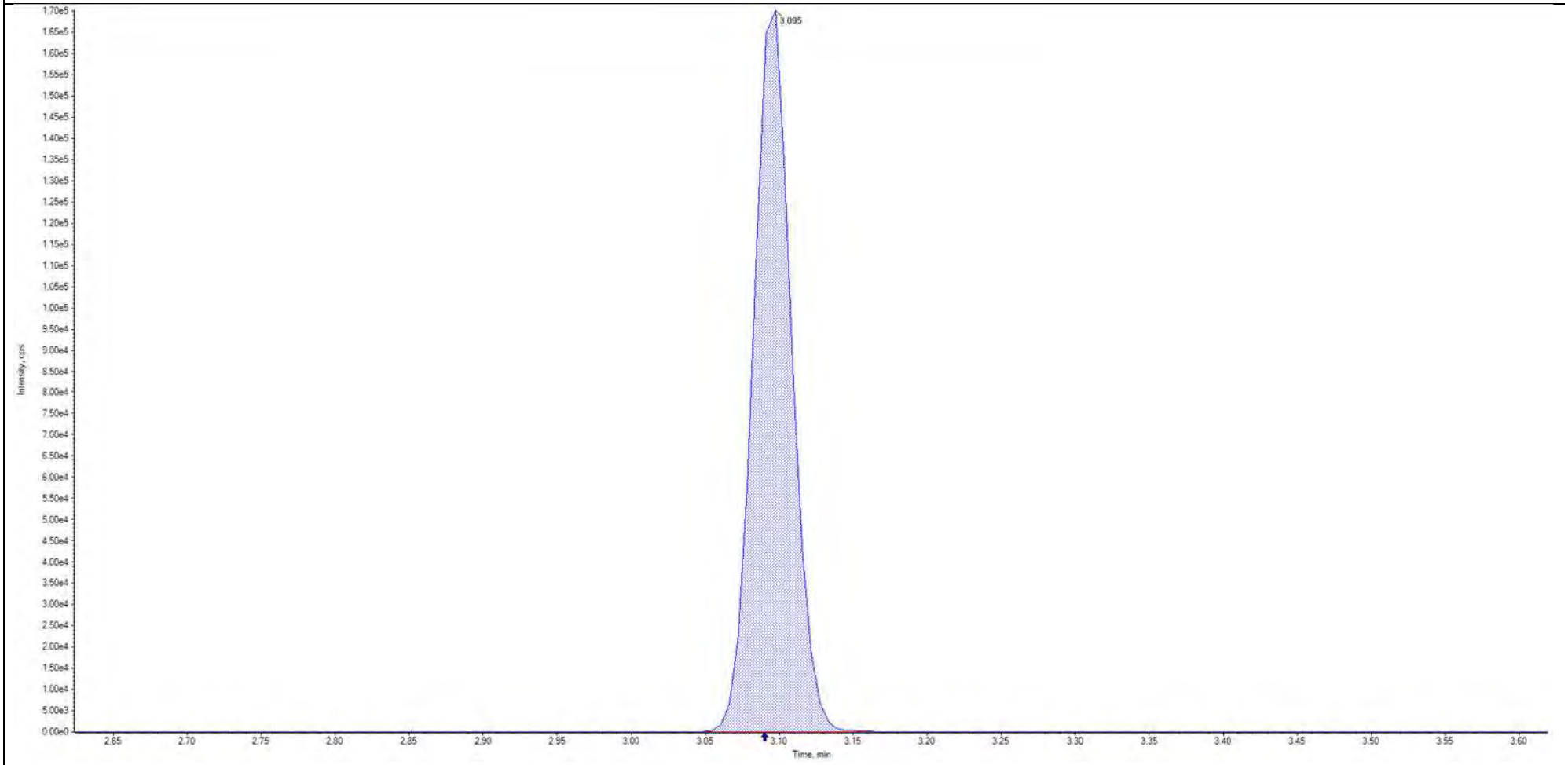
13C2-PFTeDA
Sample: L2512368-20



13C3-PFBS
Sample: L2512368-20



13C3-PFHxS
Sample: L2512368-20



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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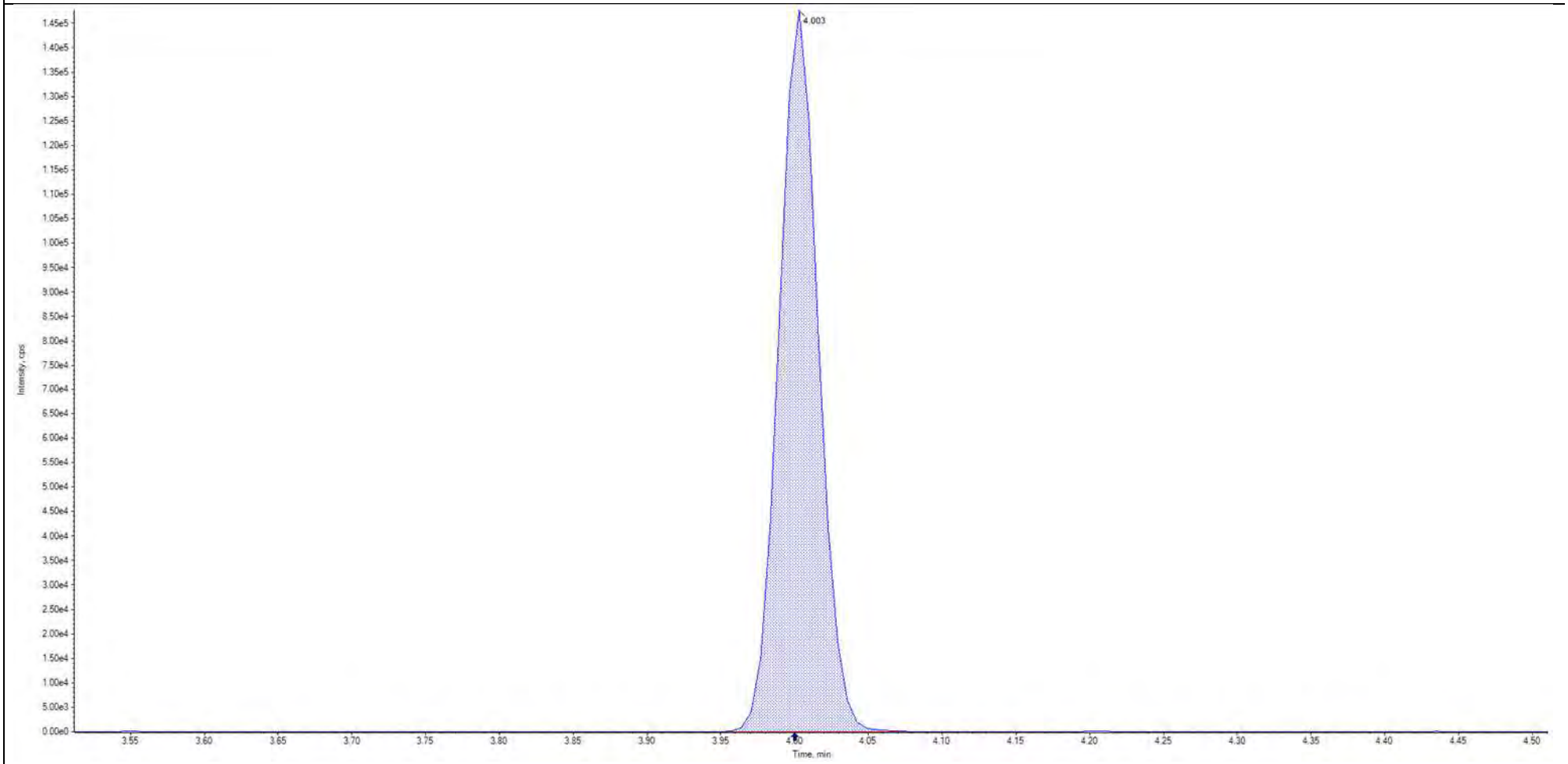
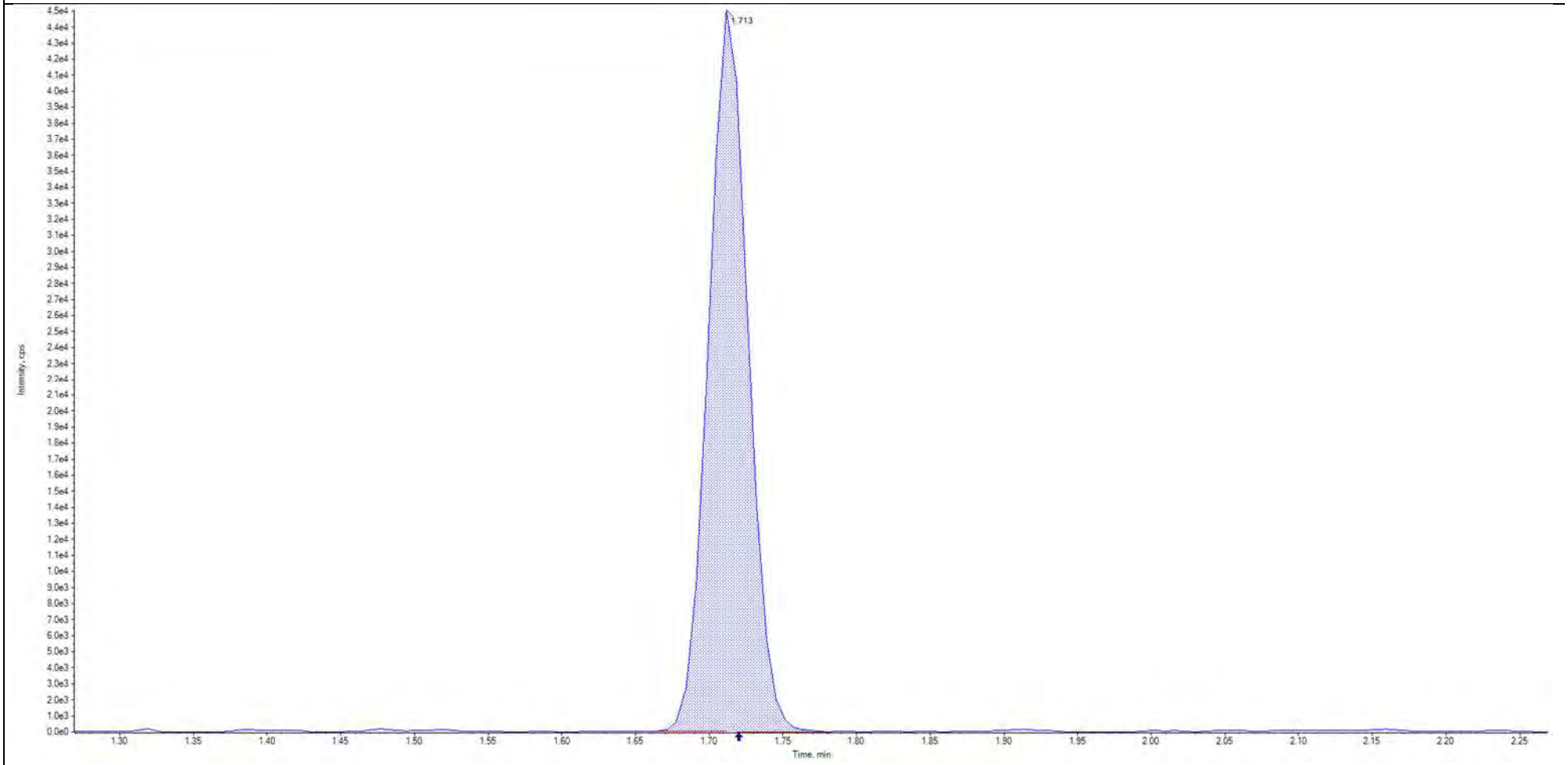
Generated: 3/11/2025 12:27:08 PM

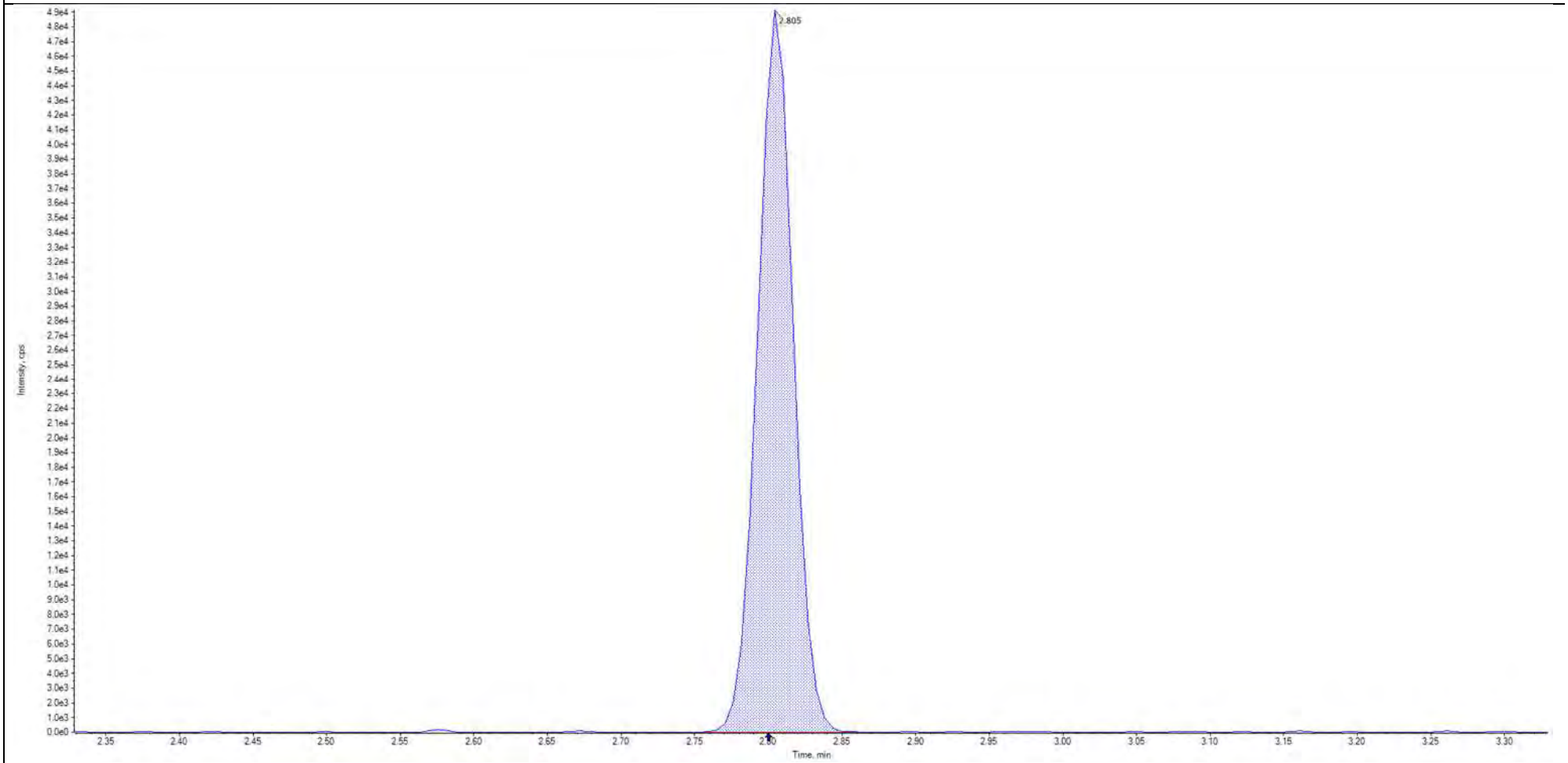
13C8-PFOS
Sample: L2512368-20



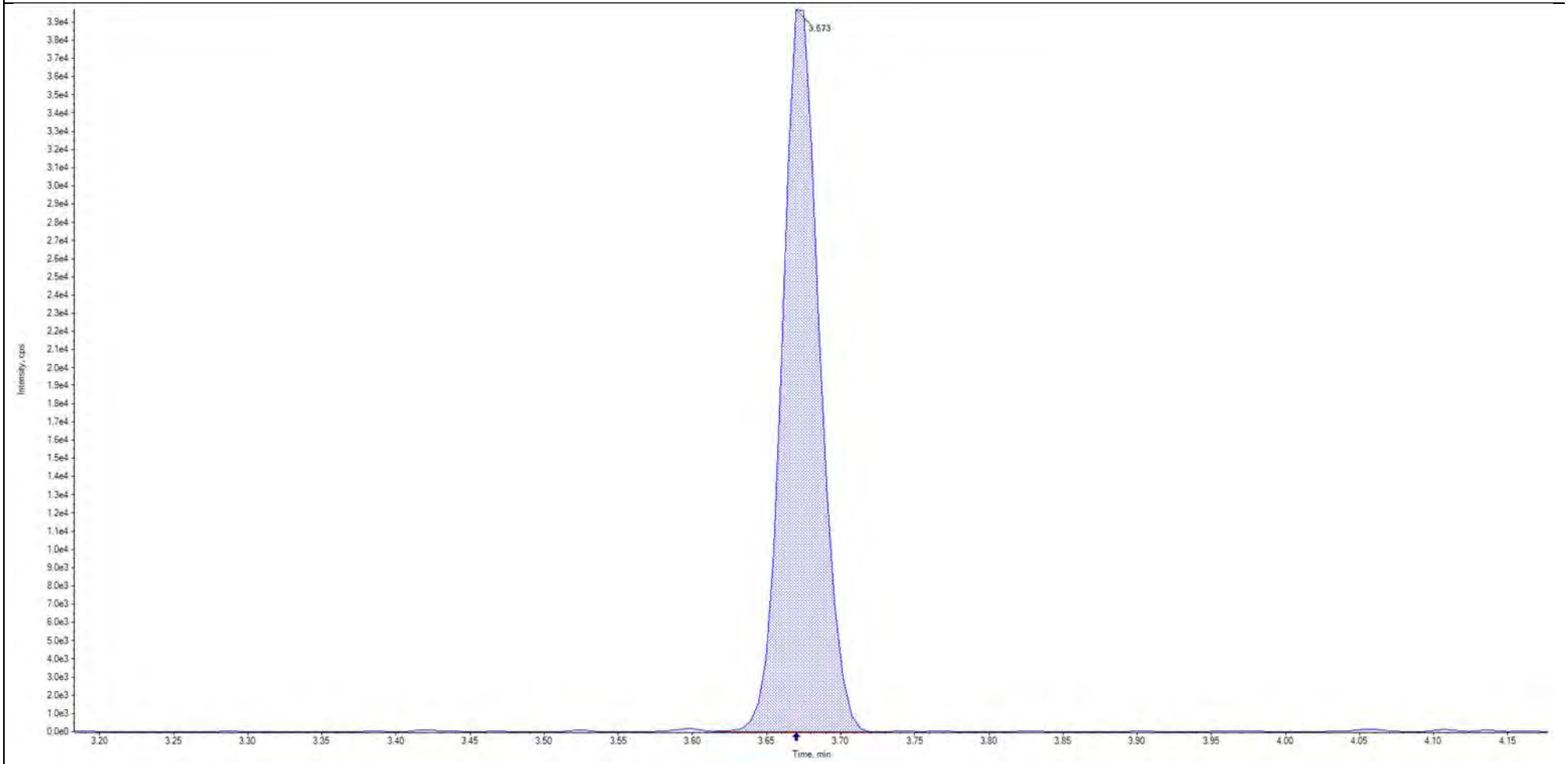
13C2-4:2FTS
Sample: L2512368-20



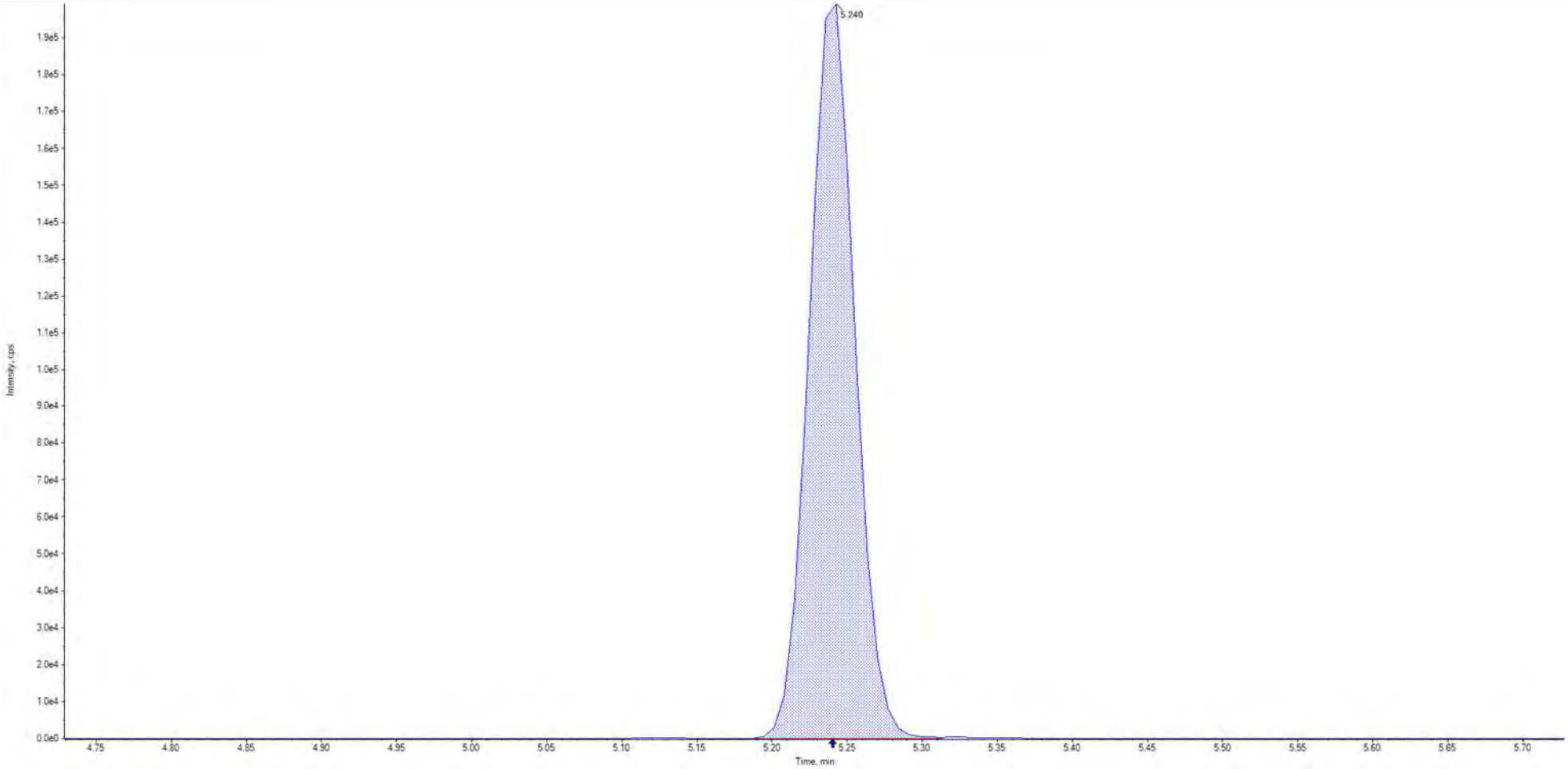
13C2-6:2FTS
Sample: L2512368-20



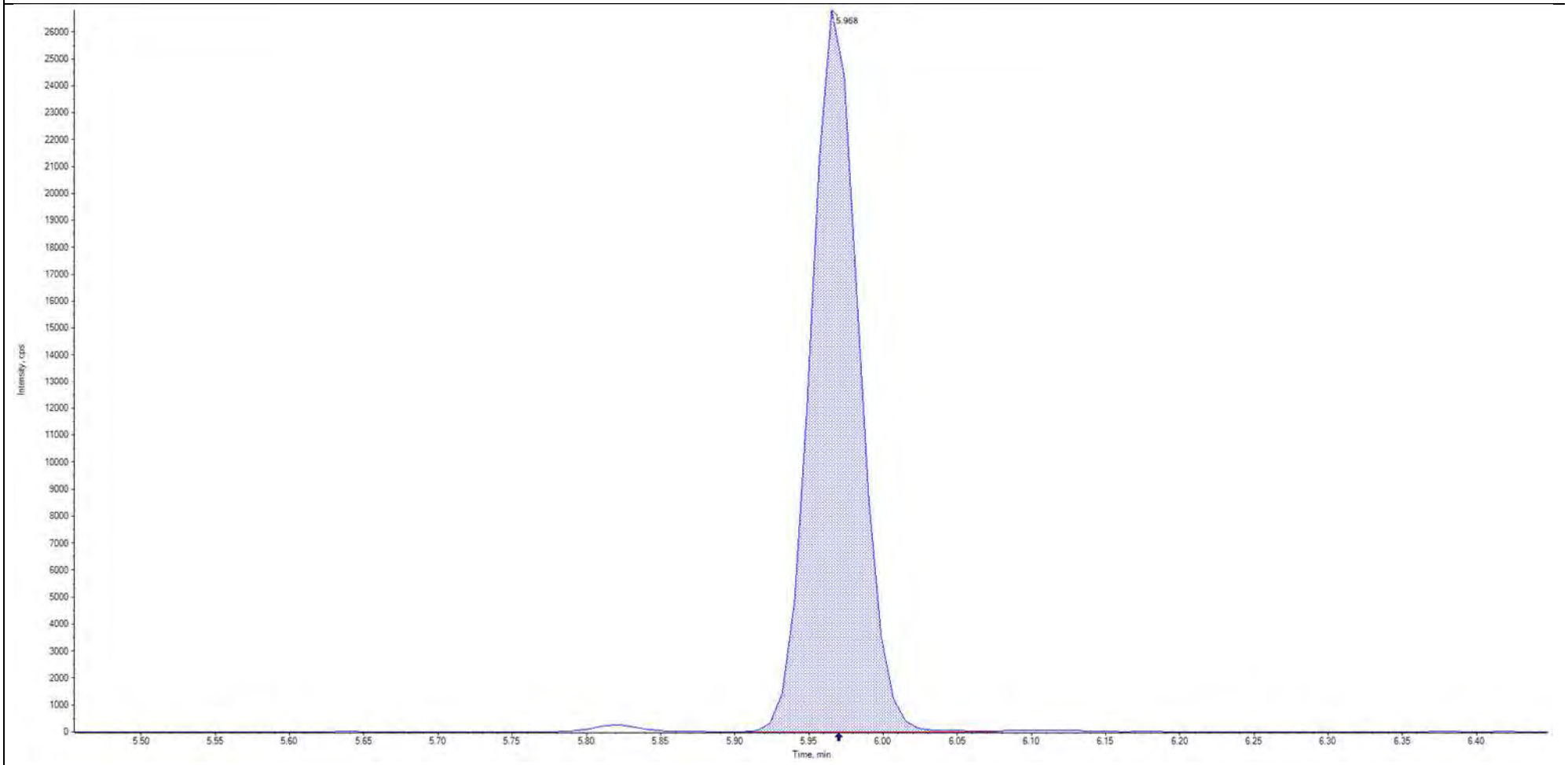
13C2-8:2FTS
Sample: L2512368-20



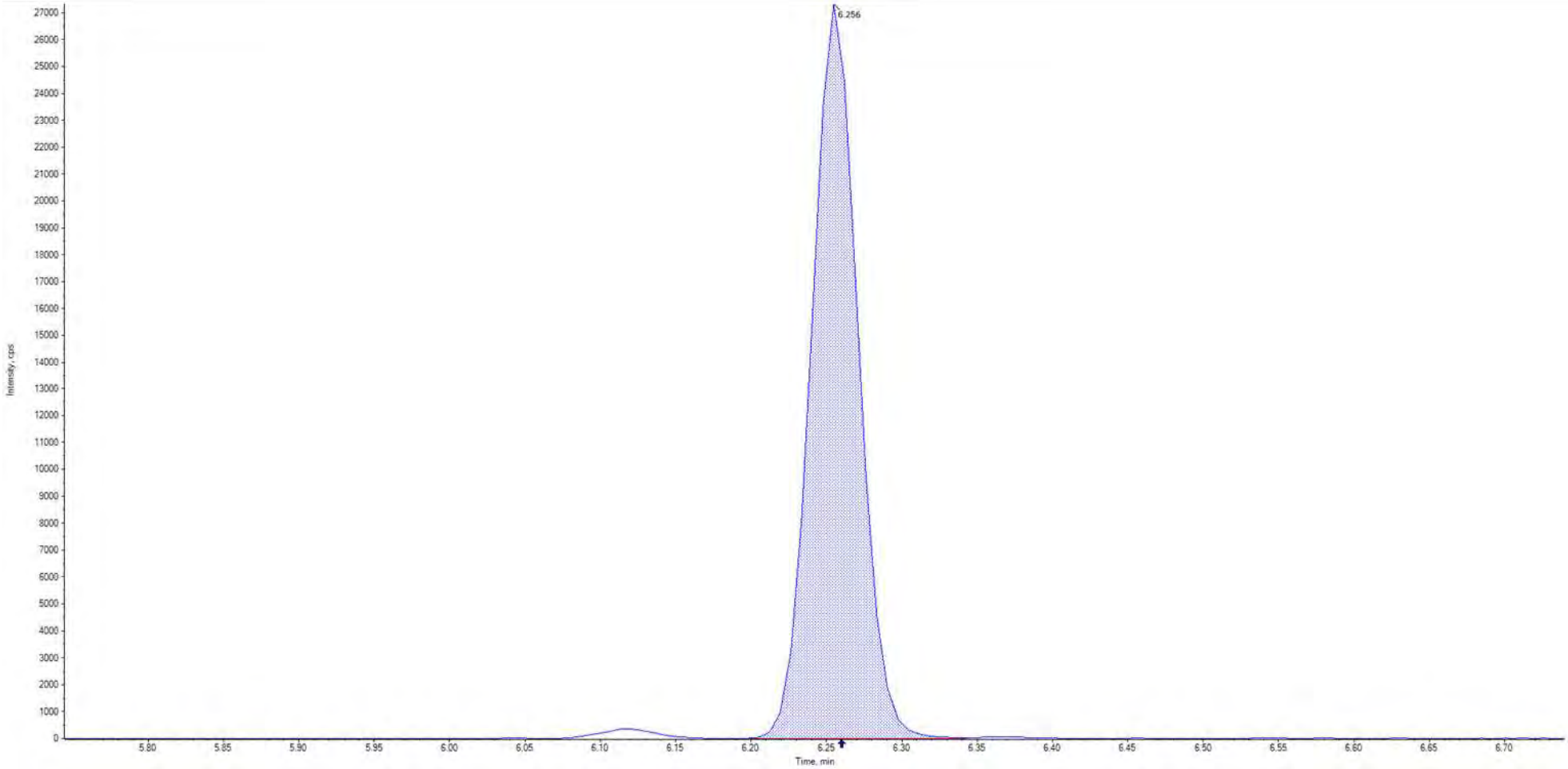
13C8-PFOSA
Sample: L2512368-20



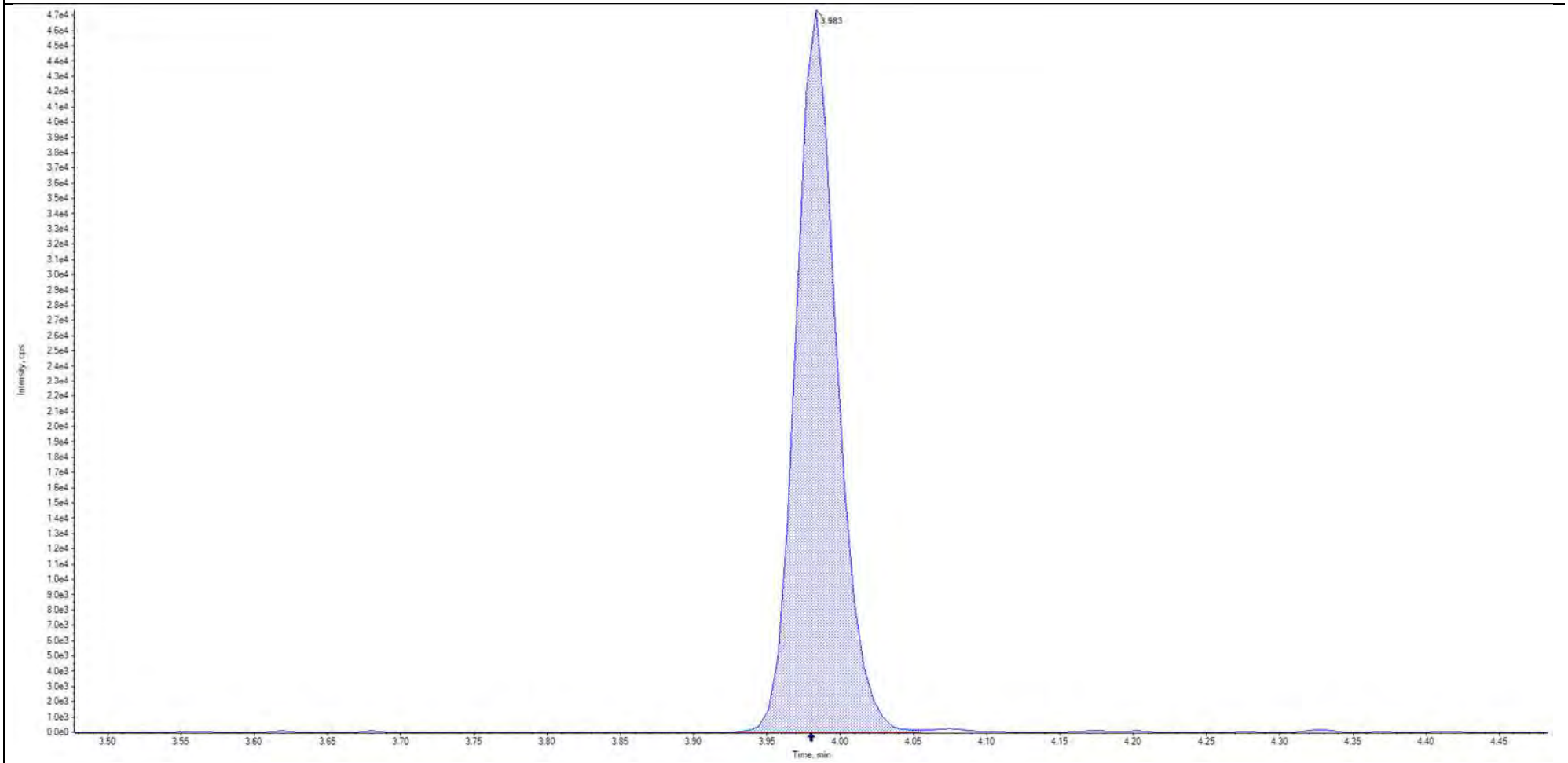
d3-NMeFOSA
Sample: L2512368-20



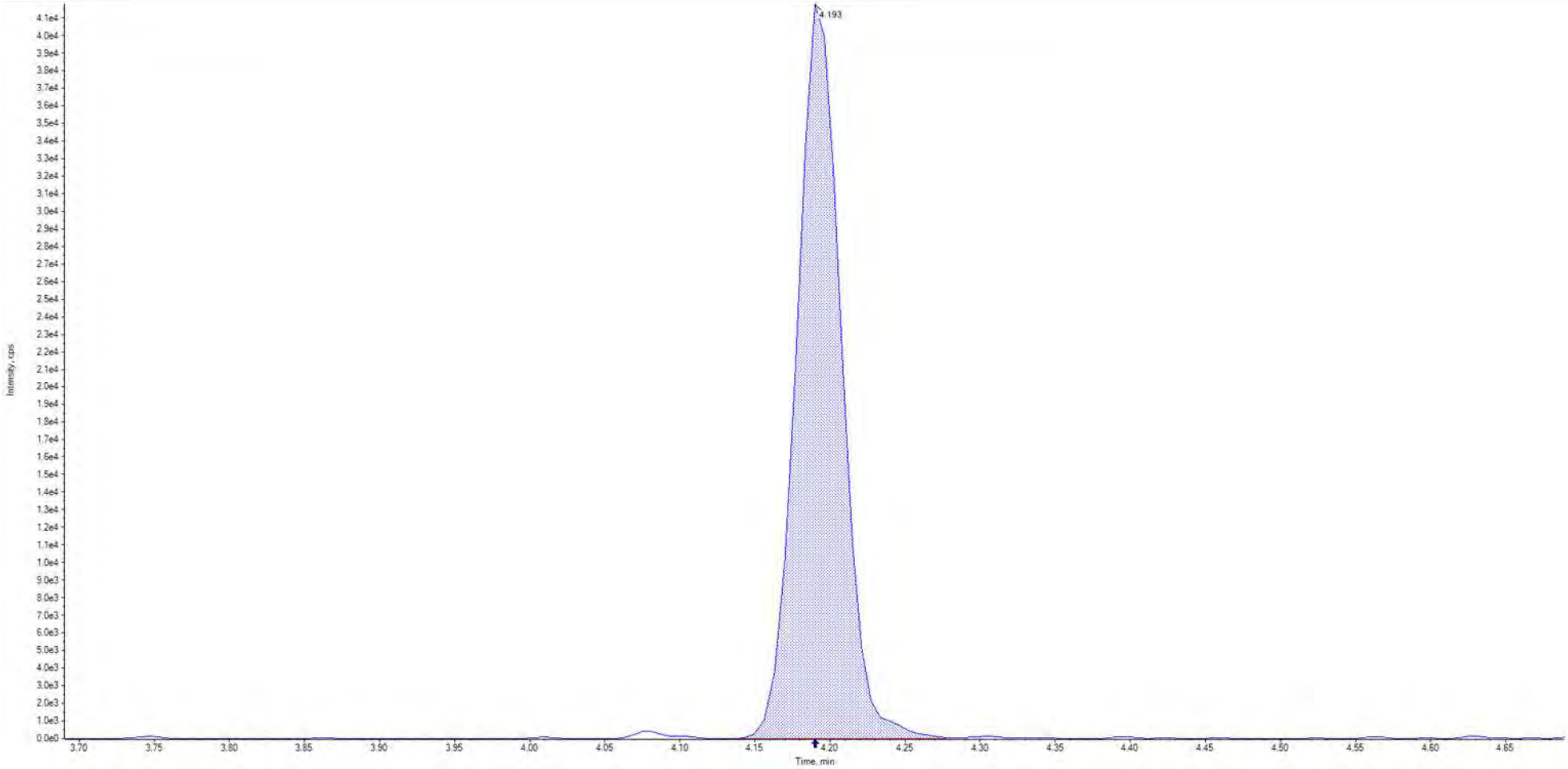
d5-NEtFOSA
Sample: L2512368-20



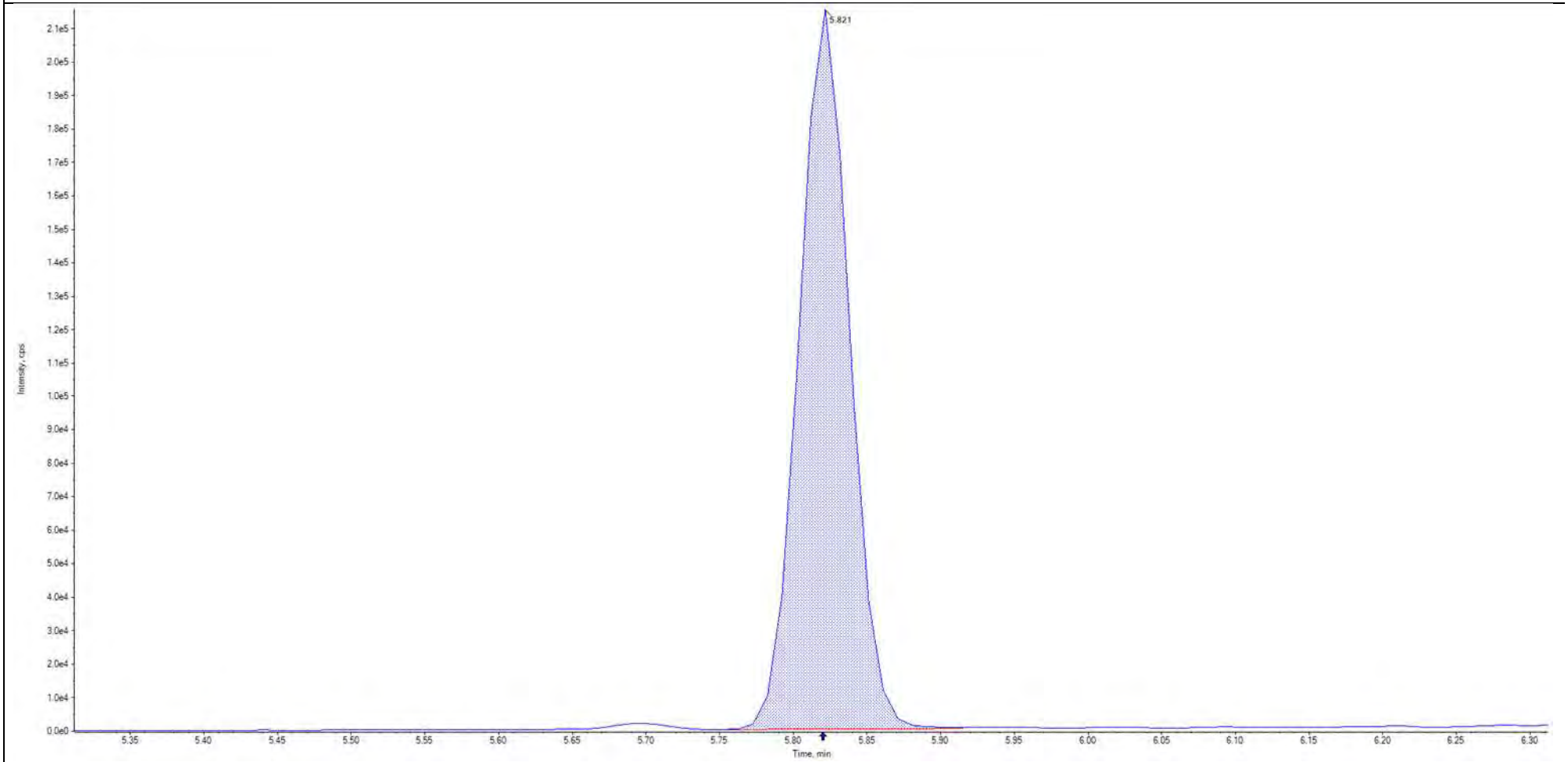
d3-NMeFOSAA
Sample: L2512368-20



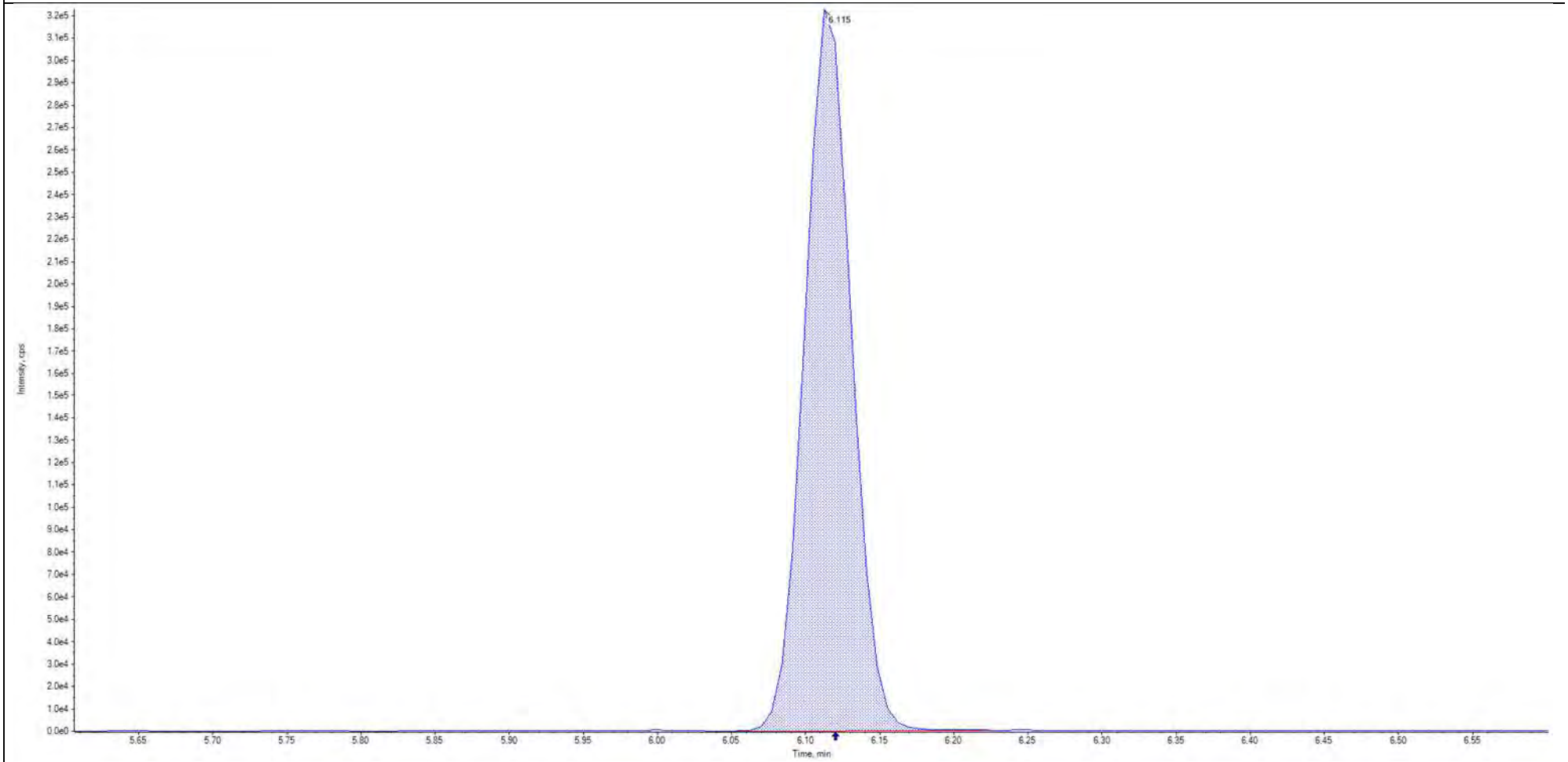
d5-NEtFOSAA
Sample: L2512368-20



d7-NMeFOSE
Sample: L2512368-20



d9-NEtFOSE
Sample: L2512368-20



13C3-HFPO-DA
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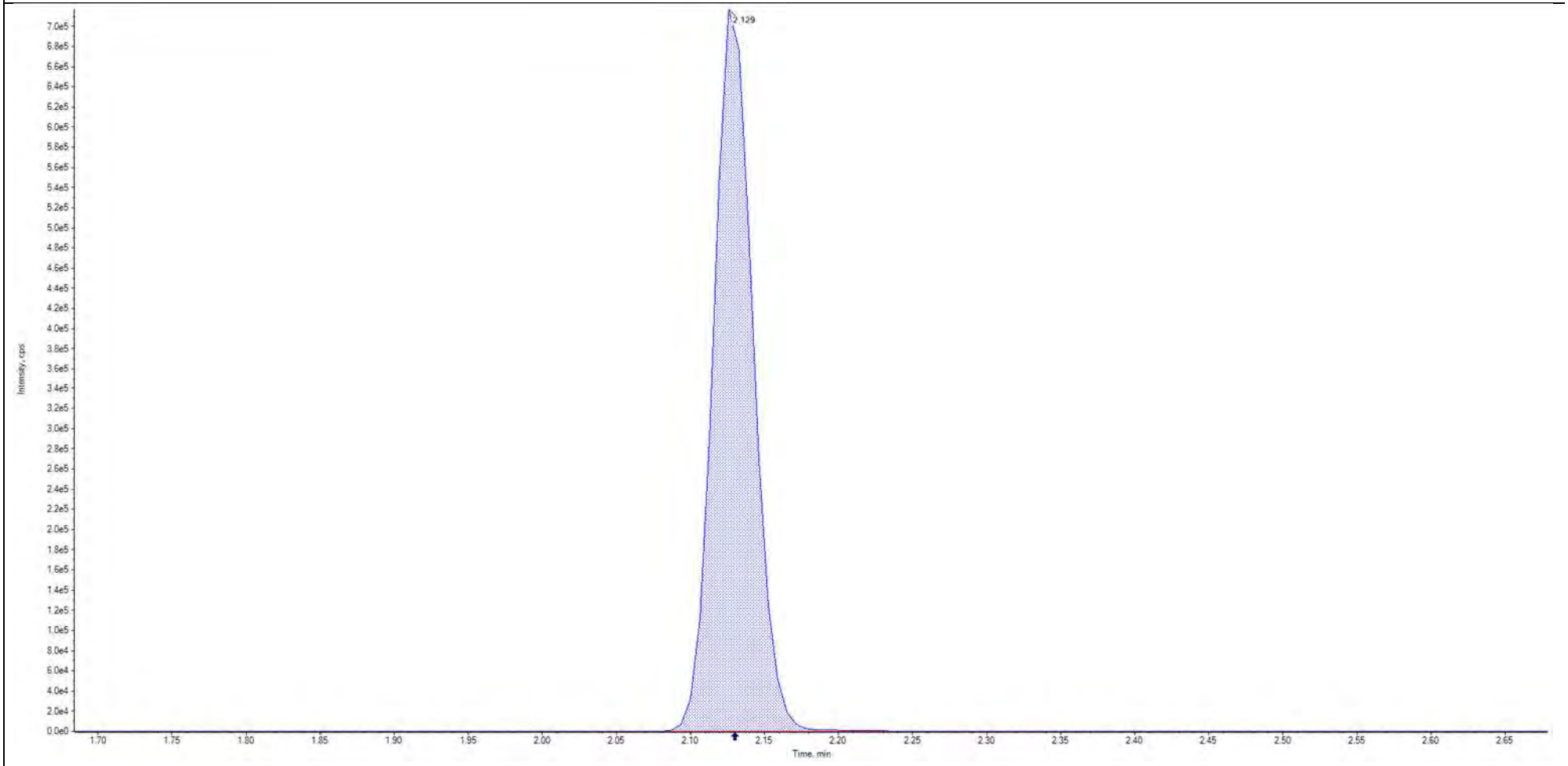

13C3-PFBA
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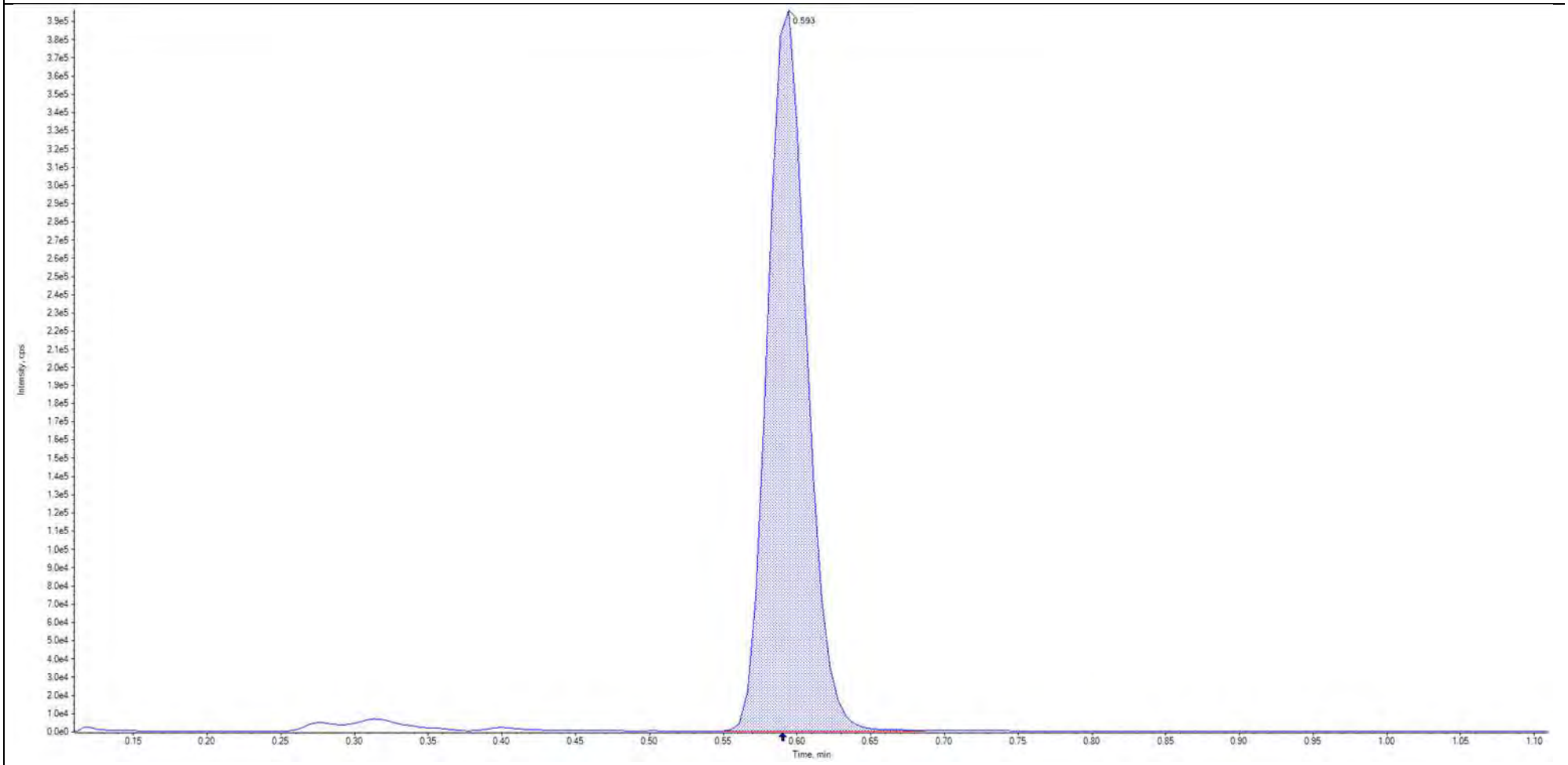
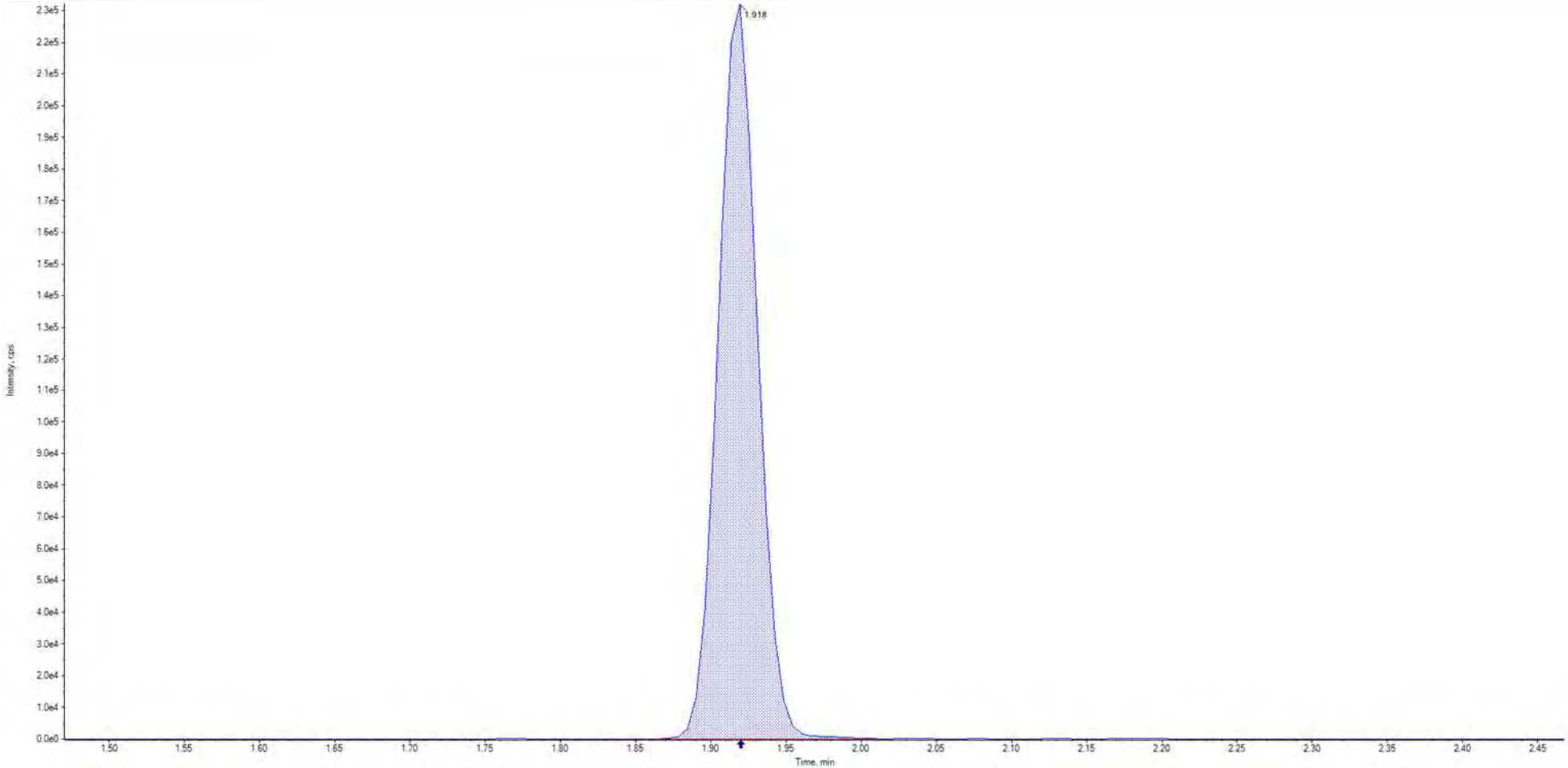


13C2-PFHxA
Sample: L2512368-20



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13C4-PFOA
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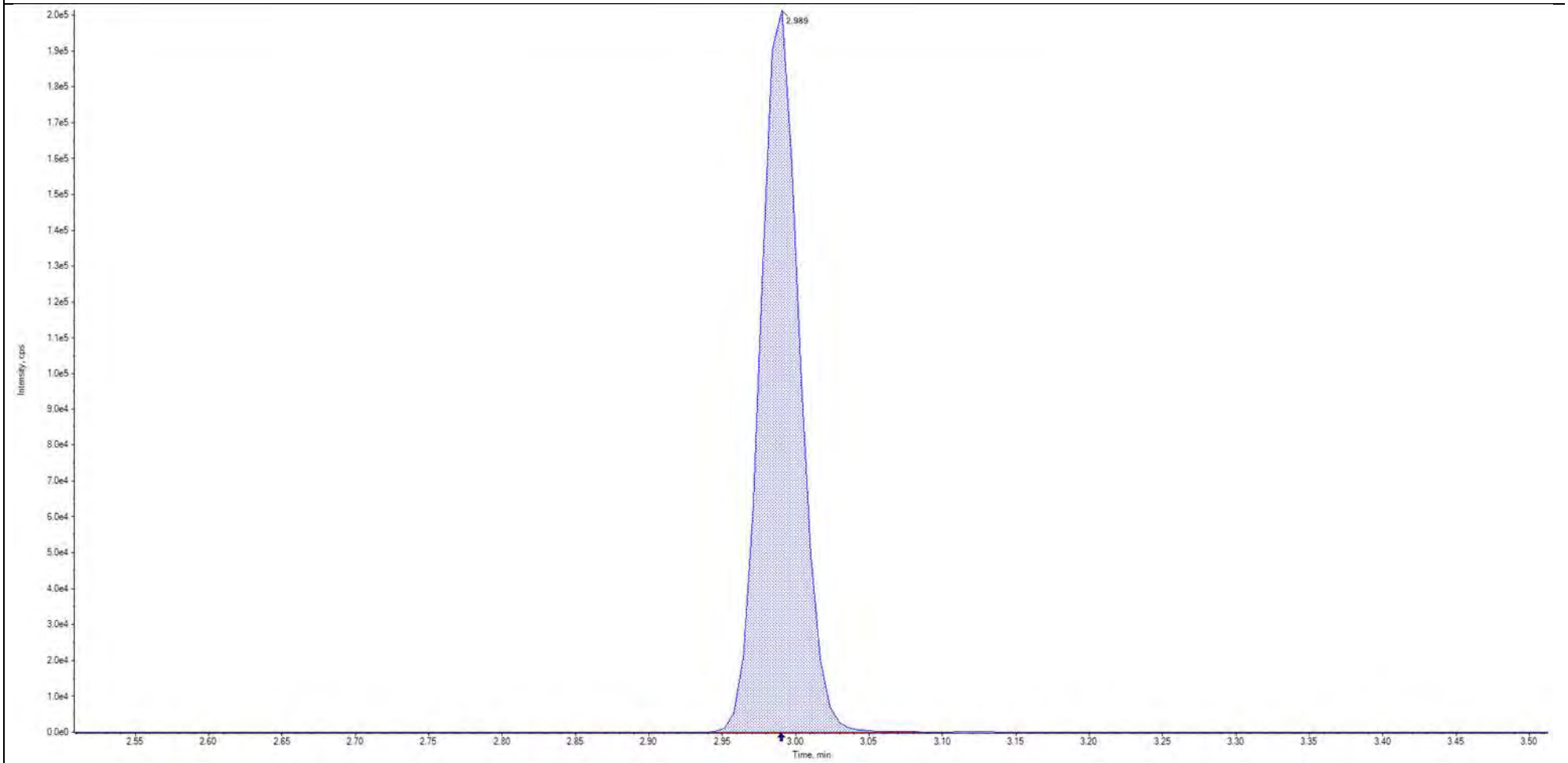

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13C5-PFNA
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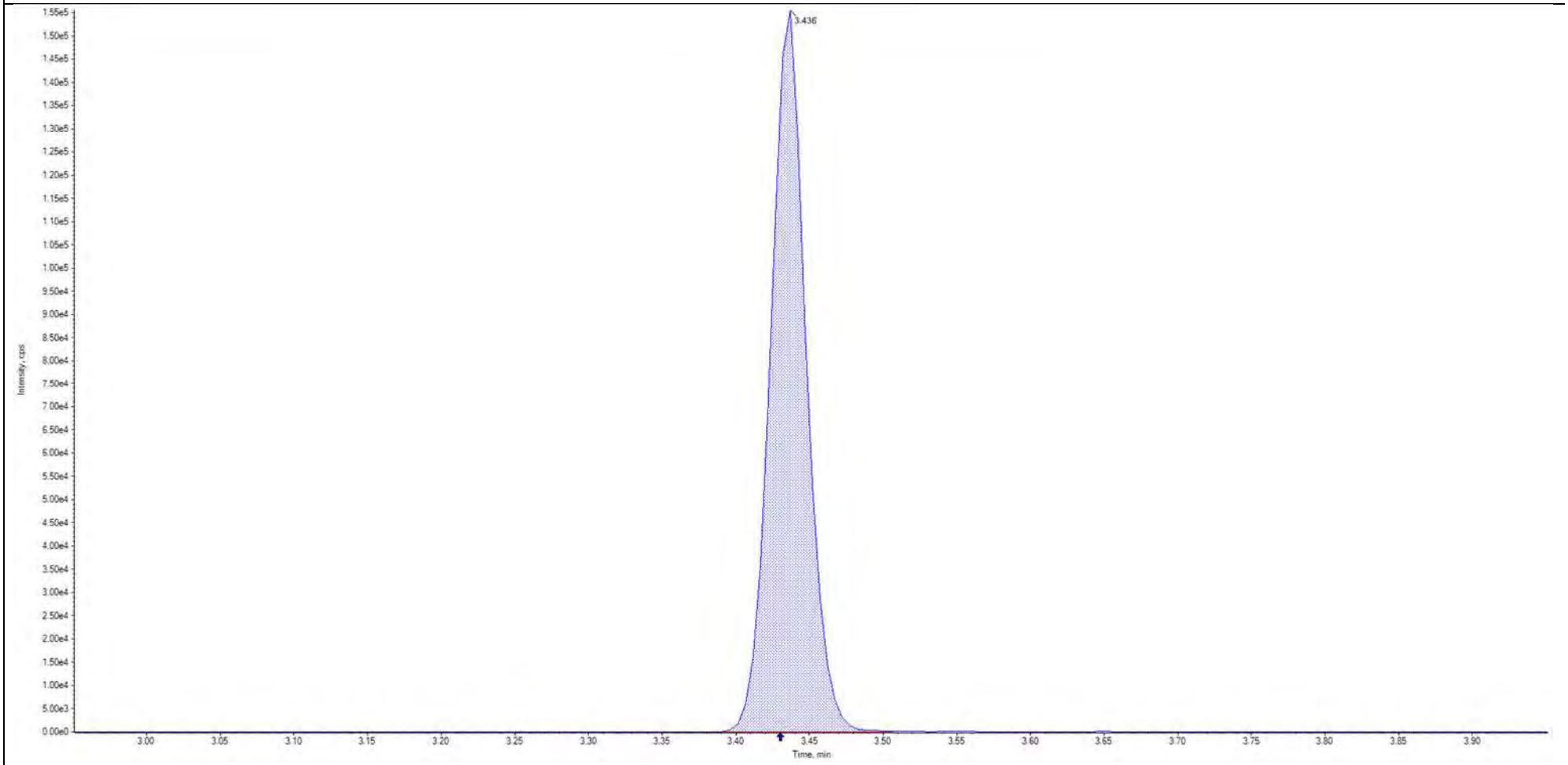

13C2-PFDA
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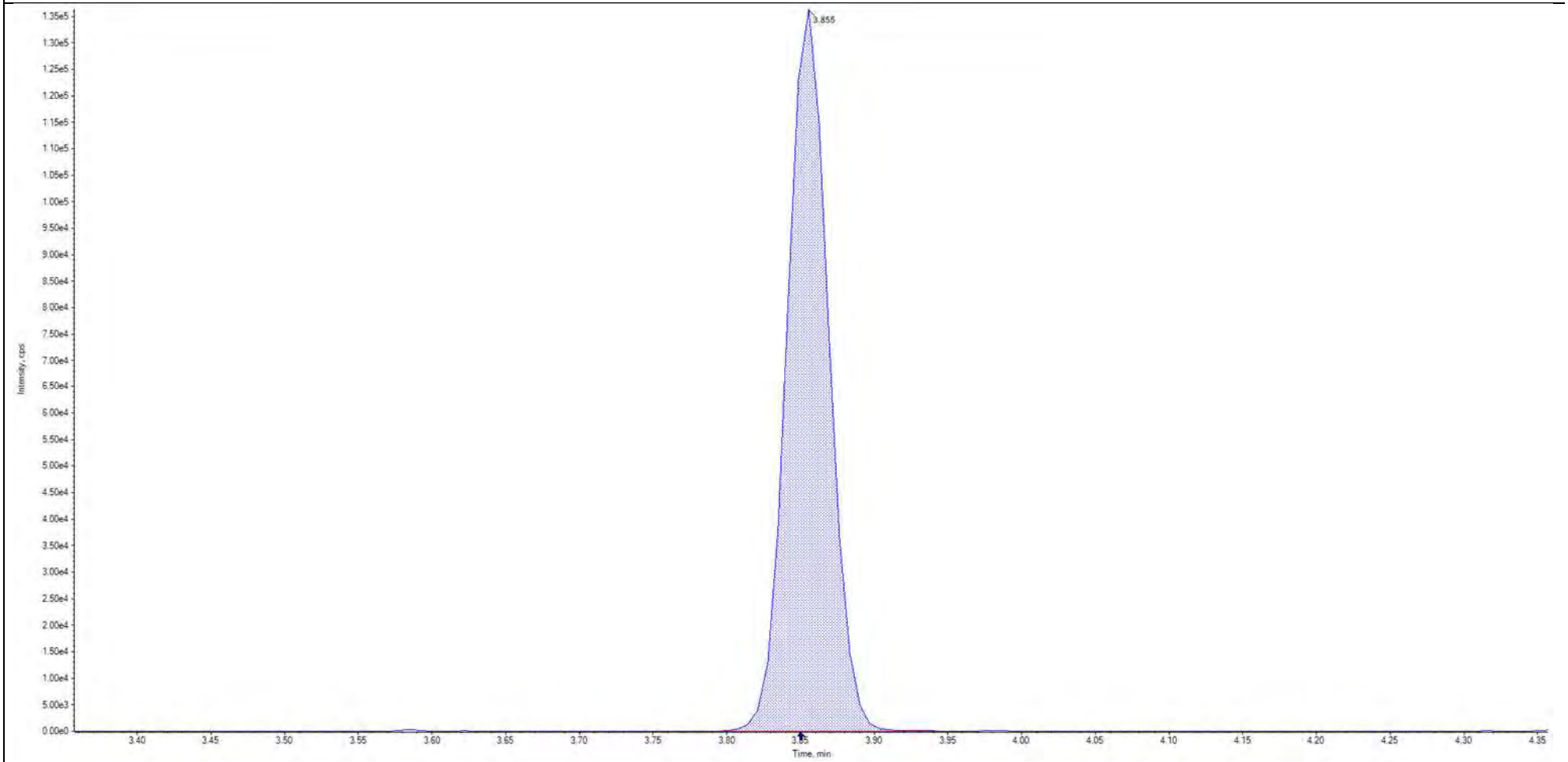

18O2-PFHxS
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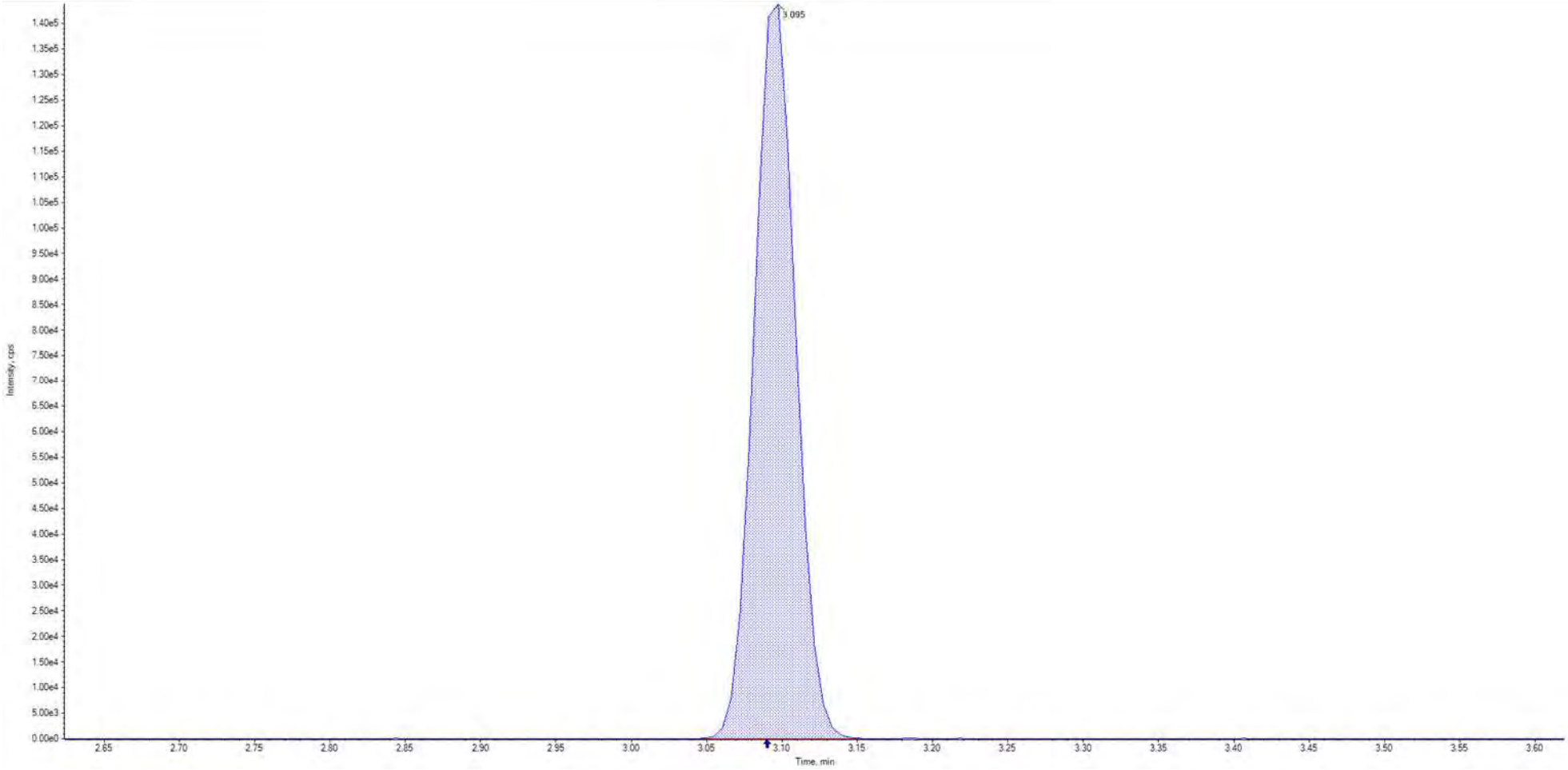

13C4-PFOS
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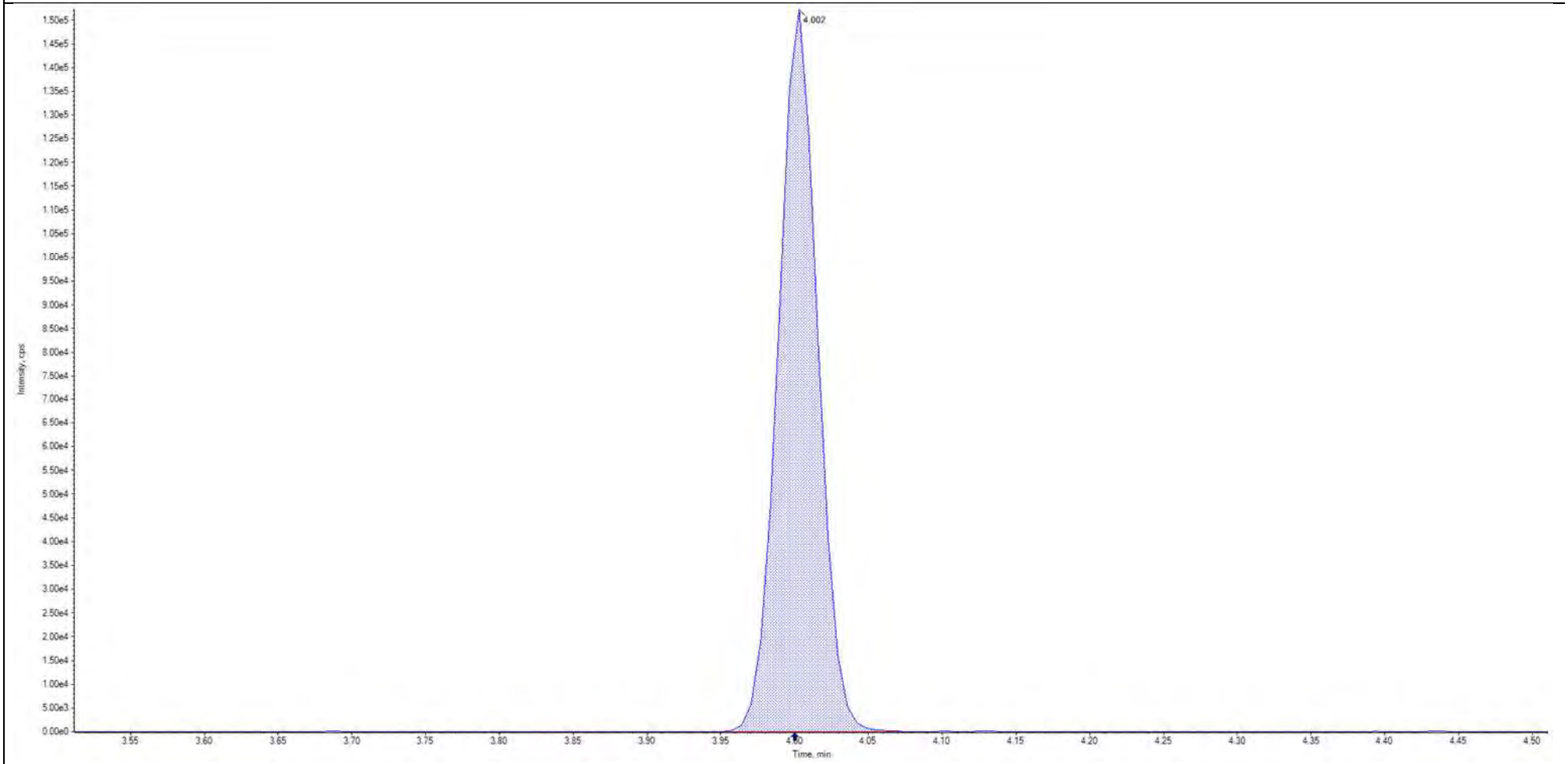

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User: LCMS07:SL

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	0.60	213.0 / 169.0	42625	M4	0.232	N/A	N/A	N/A	N/A
2	PFPeA	2706-90-3	1.19	263.0 / 219.0	40504		0.286	0.008	N/A	N/A	N/A
3	PFPeA_2	2706-90-3	1.20	263.0 / 68.9	317	M2	0.302	0.008	N/A	N/A	N/A
4	PFHxA	307-24-4	2.02	313.0 / 269.0	54128		0.267	0.068	0.067	Pass	N/A
5	PFHxA_2	307-24-4	2.03	313.0 / 119.0	3687		0.272	0.068	0.067	Pass	N/A
6	PFHpA	375-85-9	2.69	363.1 / 319.0	34785		0.149	0.364	0.345	Pass	N/A
7	PFHpA_2	375-85-9	2.70	363.1 / 169.0	12668		0.158	0.364	0.345	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	3.18	413.1 / 369.1	50611	M5	0.200	0.400	0.365	Pass	N/A
9	PFOA_2	335-67-1	3.18	413.1 / 169.0	20226	M5	0.213	0.400	0.365	Pass	N/A
10	PFNA	375-95-1	3.60	462.8 / 418.9	5277		0.026	0.541	0.352	Fail	N/A
11	PFNA_2	375-95-1	3.60	462.8 / 219.0	2854		0.043	0.541	0.352	Fail	N/A
12	PFDA	335-76-2	4.01	513.1 / 469.1	4237		0.018	0.183	0.185	Pass	N/A
13	PFDA_2	335-76-2	3.99	513.1 / 219.0	777	M2	0.018	0.183	0.185	Pass	N/A
14	PFUnA	2058-94-8	N/A	563.1 / 519.1	N/A		N/A	N/A	0.166	N/A	N/A
15	PFUnA_2	2058-94-8	N/A	563.1 / 269.0	N/A		N/A	N/A	0.166	N/A	N/A
16	PFDoA	307-55-1	N/A	613.1 / 569.1	N/A		N/A	N/A	0.150	N/A	N/A
17	PFDoA_2	307-55-1	N/A	613.1 / 319.0	N/A		N/A	N/A	0.150	N/A	N/A
18	PFTrDA	72629-94-8	N/A	663.1 / 619.1	N/A		N/A	N/A	0.134	N/A	N/A
19	PFTrDA_2	72629-94-8	N/A	663.1 / 169.0	N/A		N/A	N/A	0.134	N/A	N/A
20	PFTeDA	376-06-7	N/A	713.1 / 669.1	N/A		N/A	N/A	0.150	N/A	N/A
21	PFTeDA_2	376-06-7	N/A	713.1 / 169.0	N/A		N/A	N/A	0.150	N/A	N/A
22	PFBS	375-73-5	2.02	299.1 / 80.1	37289		0.245	0.354	0.341	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	2.02	299.1 / 99.1	13192		0.245	0.354	0.341	Pass	N/A
24	PFPeS	2706-91-4	2.76	349.1 / 80.1	2286		0.018	0.400	0.296	Pass	N/A
25	PFPeS_2	2706-91-4	2.76	349.1 / 99.1	914	M2	0.025	0.400	0.296	Pass	N/A
26	PFHxS	355-46-4	3.28	399.1 / 80.1	7033	M5	0.063	0.266	0.298	Pass	N/A
27	PFHxS_2	355-46-4	3.29	399.1 / 99.1	1871	M2	0.058	0.266	0.298	Pass	N/A
28	PFHpS	375-92-8	N/A	449.1 / 80.1	N/A		N/A	N/A	0.277	N/A	N/A
29	PFHpS_2	375-92-8	N/A	449.1 / 99.1	N/A		N/A	N/A	0.277	N/A	N/A
30	PFOS	1763-23-1	4.16	499.1 / 80.1	27685	M5	0.201	0.167	0.236	Pass	N/A
31	PFOS_2	1763-23-1	4.15	499.1 / 99.1	4612	M5	0.143	0.167	0.236	Pass	N/A
32	PFNS	68259-12-1	N/A	549.1 / 80.1	N/A		N/A	N/A	0.265	N/A	N/A
33	PFNS_2	68259-12-1	N/A	549.1 / 99.1	N/A		N/A	N/A	0.265	N/A	N/A
34	PFDS	335-77-3	N/A	599.1 / 80.1	N/A		N/A	N/A	0.275	N/A	N/A
35	PFDS_2	335-77-3	N/A	599.1 / 99.1	N/A		N/A	N/A	0.275	N/A	N/A
36	PFDoS	79780-39-5	N/A	699.2 / 80.1	N/A		N/A	N/A	0.245	N/A	N/A
37	PFDoS_2	79780-39-5	N/A	699.2 / 99.1	N/A		N/A	N/A	0.245	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	0.542	N/A	N/A
39	4:2FTS_2	757124-72-4	N/A	327.1 / 81.1	N/A		N/A	N/A	0.542	N/A	N/A
40	6:2FTS	27619-97-2	N/A	427.2 / 407.2	N/A		N/A	N/A	0.555	N/A	N/A
41	6:2FTS_2	27619-97-2	N/A	427.2 / 81.1	N/A		N/A	N/A	0.555	N/A	N/A
42	8:2FTS	39108-34-4	N/A	527.2 / 507.2	N/A		N/A	N/A	0.824	N/A	N/A
43	8:2FTS_2	39108-34-4	N/A	527.2 / 81.1	N/A		N/A	N/A	0.824	N/A	N/A
44	PFOSA	754-91-6	N/A	498.1 / 78.1	N/A		N/A	N/A	0.029	N/A	N/A
45	PFOSA_2	754-91-6	N/A	498.1 / 478.0	N/A		N/A	N/A	0.029	N/A	N/A
46	NMeFOSA	31506-32-8	N/A	512.2 / 219.0	N/A		N/A	N/A	1.426	N/A	N/A
47	NMeFOSA_2	31506-32-8	N/A	512.2 / 169.0	N/A		N/A	N/A	1.426	N/A	N/A
48	NEtFOSA	4151-50-2	N/A	526.2 / 219.0	N/A		N/A	N/A	1.166	N/A	N/A
49	NEtFOSA_2	4151-50-2	N/A	526.2 / 169.0	N/A		N/A	N/A	1.166	N/A	N/A
50	NMeFOSAA	2355-31-9	N/A	570.2 / 419.1	N/A		N/A	N/A	0.729	N/A	N/A
51	NMeFOSAA_2	2355-31-9	N/A	570.2 / 483.0	N/A		N/A	N/A	0.729	N/A	N/A
52	NEtFOSAA	2991-50-6	N/A	584.2 / 419.1	N/A		N/A	N/A	0.453	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	0.453	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	0.892	N/A	N/A
57	HFPO-DA_2	13252-13-6	N/A	285.0 / 184.9	N/A		N/A	N/A	0.892	N/A	N/A
58	ADONA	919005-14-4	N/A	376.9 / 251.0	N/A		N/A	N/A	0.444	N/A	N/A
59	ADONA_2	919005-14-4	N/A	376.9 / 84.8	N/A		N/A	N/A	0.444	N/A	N/A
60	9Cl-PF3ONS	756426-58-1	N/A	530.8 / 351.1	N/A		N/A	N/A	0.359	N/A	N/A
61	9Cl-PF3ONS_2	756426-58-1	N/A	532.8 / 353.0	N/A		N/A	N/A	0.359	N/A	N/A
62	11Cl-PF3OUdS	763051-92-9	N/A	630.9 / 451.0	N/A		N/A	N/A	0.348	N/A	N/A
63	11Cl-PF3OUdS_2	763051-92-9	N/A	632.9 / 452.9	N/A		N/A	N/A	0.348	N/A	N/A
64	3:3FTCA	356-02-5	N/A	241.1 / 177.1	N/A		N/A	N/A	0.698	N/A	N/A
65	3:3FTCA_2	356-02-5	N/A	241.1 / 117.0	N/A		N/A	N/A	0.698	N/A	N/A
66	5:3FTCA	914637-49-3	N/A	341.1 / 237.1	N/A		N/A	N/A	0.979	N/A	N/A
67	5:3FTCA_2	914637-49-3	N/A	341.1 / 217.0	N/A		N/A	N/A	0.979	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	2.144	N/A	N/A
69	7:3FTCA_2	812-70-4	N/A	441.1 / 337.1	N/A		N/A	N/A	2.144	N/A	N/A
70	PFEESA	113507-82-7	N/A	315.1 / 135.0	N/A		N/A	N/A	0.077	N/A	N/A
71	PFEESA_2	113507-82-7	N/A	315.1 / 82.9	N/A		N/A	N/A	0.077	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	0.632	N/A	N/A
75	NFDHA_2	151772-58-6	N/A	295.0 / 84.9	N/A		N/A	N/A	0.632	N/A	N/A
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	4.812	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	4.812	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	0.60	217.0 / 172.0	2016546		8.906	NA	NA	NA	89.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.19	268.0 / 223.0	680129		4.114	NA	NA	NA	82.3
	13C5-PFHxA	EIS	2.02	318.0 / 273.0	281298		1.838	NA	NA	NA	73.5
	13C4-PFHpA	EIS	2.69	367.0 / 322.0	584795		2.107	NA	NA	NA	84.3
	13C8-PFOA	EIS	3.18	420.8 / 376.0	738325		2.004	NA	NA	NA	80.1
	13C9-PFNA	EIS	3.60	472.0 / 427.0	315290		1.097	NA	NA	NA	87.8
	13C6-PFDA	EIS	4.00	519.0 / 474.0	355604		1.162	NA	NA	NA	92.9
	13C7-PFUnA	EIS	4.39	570.0 / 525.0	323756		1.027	NA	NA	NA	82.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.78	615.1 / 570.0	282556		0.968	NA	NA	NA	77.5
	13C2-PFTeDA	EIS	5.51	715.1 / 670.1	185570		0.960	NA	NA	NA	76.8
	13C3-PFBS	EIS	2.02	302.1 / 80.1	329897		2.093	NA	NA	NA	89.8
	13C3-PFHxS	EIS	3.28	402.1 / 80.1	263627		1.958	NA	NA	NA	82.6
	13C8-PFOS	EIS	4.15	507.1 / 80.1	309996		1.893	NA	NA	NA	78.9
	13C2-4:2FTS	EIS	1.77	329.1 / 81.1	95749		4.768	NA	NA	NA	101.7
	13C2-6:2FTS	EIS	3.00	429.2 / 81.1	75491		4.609	NA	NA	NA	96.8
	13C2-8:2FTS	EIS	3.82	529.2 / 81.1	72218		3.743	NA	NA	NA	78.0

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C8-PFOSA	EIS	5.31	506.1 / 78.1	515809		1.916	NA	NA	NA	76.6
d3-NMeFOSA	EIS	6.02	515.2 / 219.0	84768		1.752	NA	NA	NA	70.1
d5-NEtFOSA	EIS	6.31	531.2 / 219.0	71583		1.724	NA	NA	NA	69.0
d3-NMeFOSAA	EIS	4.12	573.2 / 419.1	214793		3.164	NA	NA	NA	63.3
d5-NEtFOSAA	EIS	4.32	589.3 / 419.1	98845		3.422	NA	NA	NA	68.4
d7-NMeFOSE	EIS	5.88	623.2 / 58.9	278357		18.552	NA	NA	NA	74.2
d9-NEtFOSE	EIS	6.17	639.2 / 58.9	607626		17.607	NA	NA	NA	70.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.29	287.0 / 169.0	828463		7.228	NA	NA	NA	72.3
	13C3-PFBA	NIS	0.60	216.0 / 172.0	1015321		5.170	NA	NA	NA	103.4
	13C2-PFHxA	NIS	2.02	315.0 / 270.0	589620		3.030	NA	NA	NA	121.2
	13C4-PFOA	NIS	3.17	417.0 / 372.0	253362		3.003	NA	NA	NA	120.1
	13C5-PFNA	NIS	3.60	468.0 / 423.0	375239		1.337	NA	NA	NA	107.0
	13C2-PFDA	NIS	4.00	515.1 / 470.1	358632		1.391	NA	NA	NA	111.3
	18O2-PFHxS	NIS	3.28	403.1 / 84.1	265885		2.669	NA	NA	NA	112.6
	13C4-PFOS	NIS	4.15	503.1 / 80.1	300090		2.750	NA	NA	NA	114.6

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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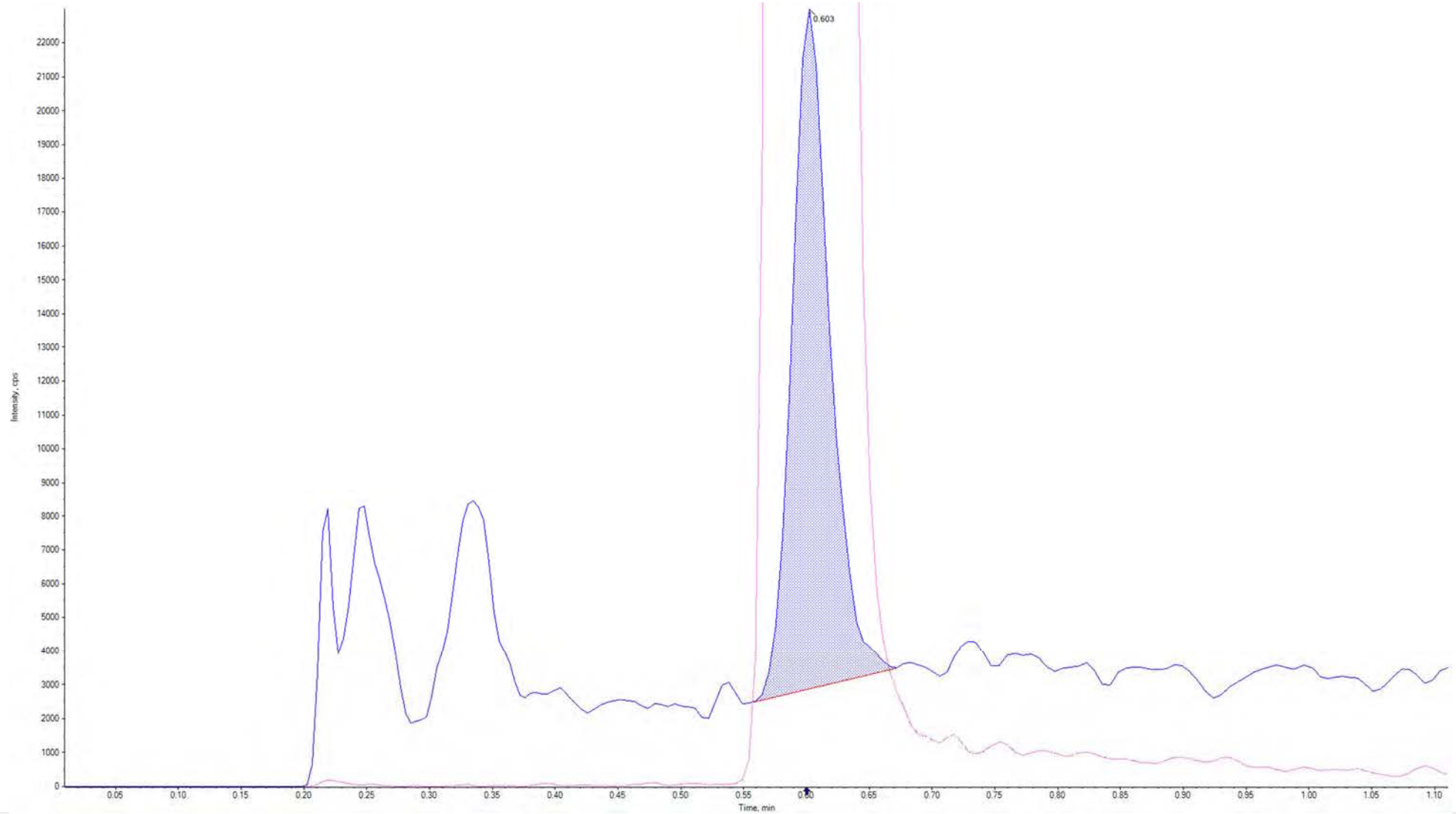
	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec

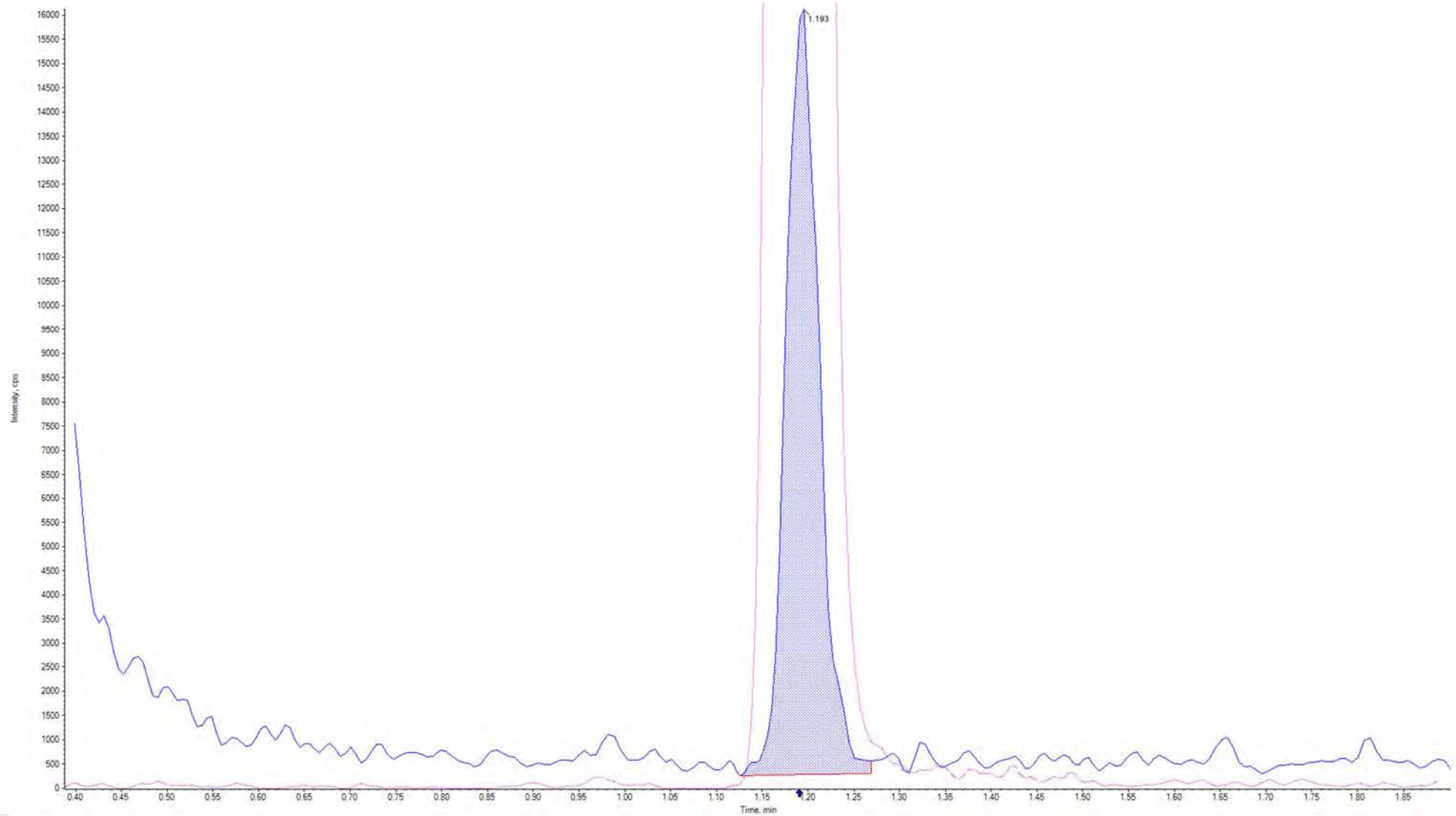
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250317\SCI07_250317_43.wiff2_6
Last Altered: 3/18/2025 9:34:10 AM
Generated: 3/17/2025 4:15:11 PM

PFBA
Sample: L2512368-16RE S/N:72.9 Points Across peak:23



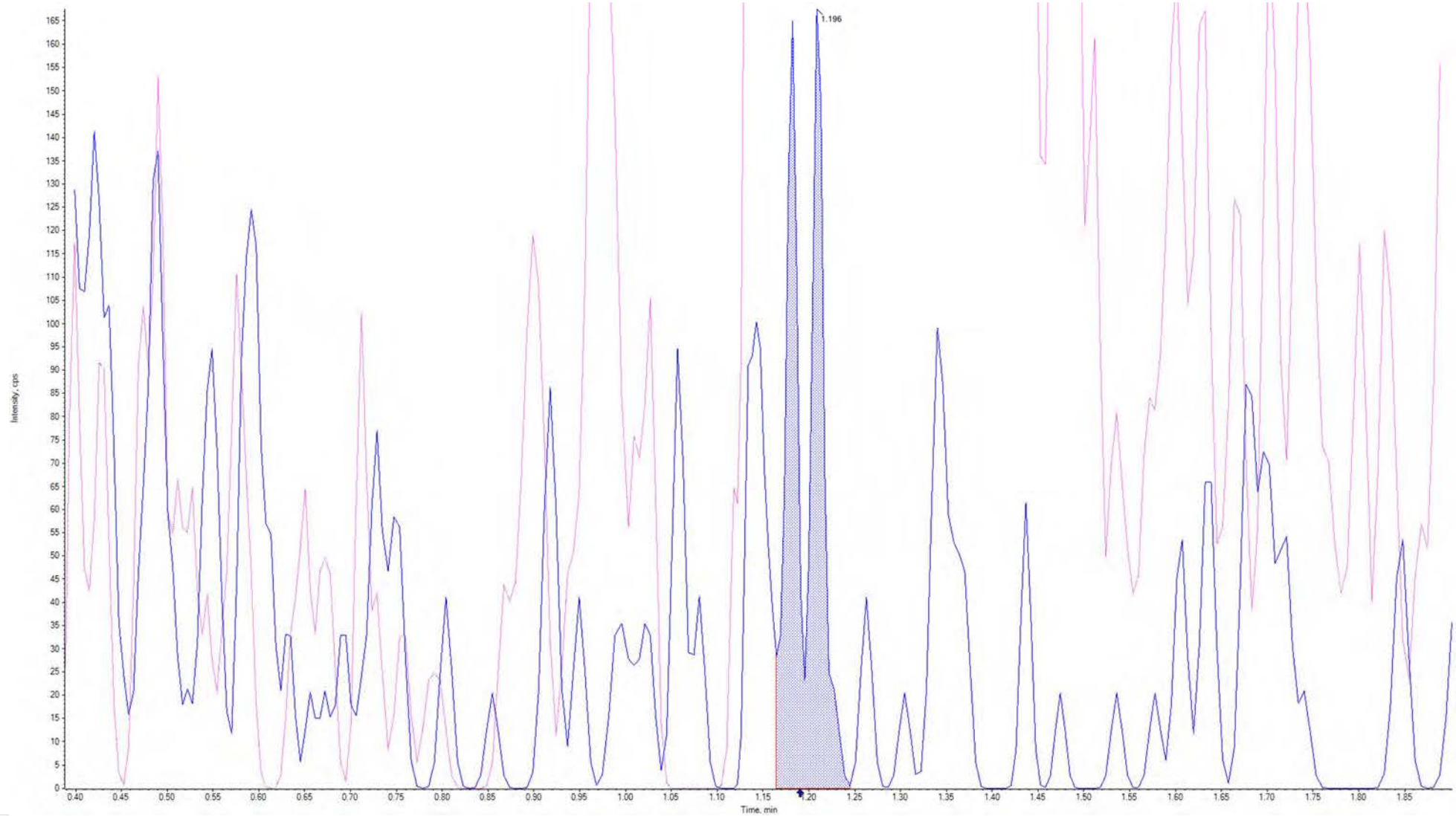
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250317\SCI07_250317_43.wiff2_6
Last Altered: 3/18/2025 9:34:10 AM
Generated: 3/17/2025 4:15:11 PM

PFPeA
Sample: L2512368-16RE S/N:250.8 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\250317\SCI07_250317_43.wiff2_6
Last Altered: 3/18/2025 9:34:10 AM
Generated: 3/17/2025 4:15:11 PM

PFPeA_2
Sample: L2512368-16RE S/N:8.0 Points Across peak:19



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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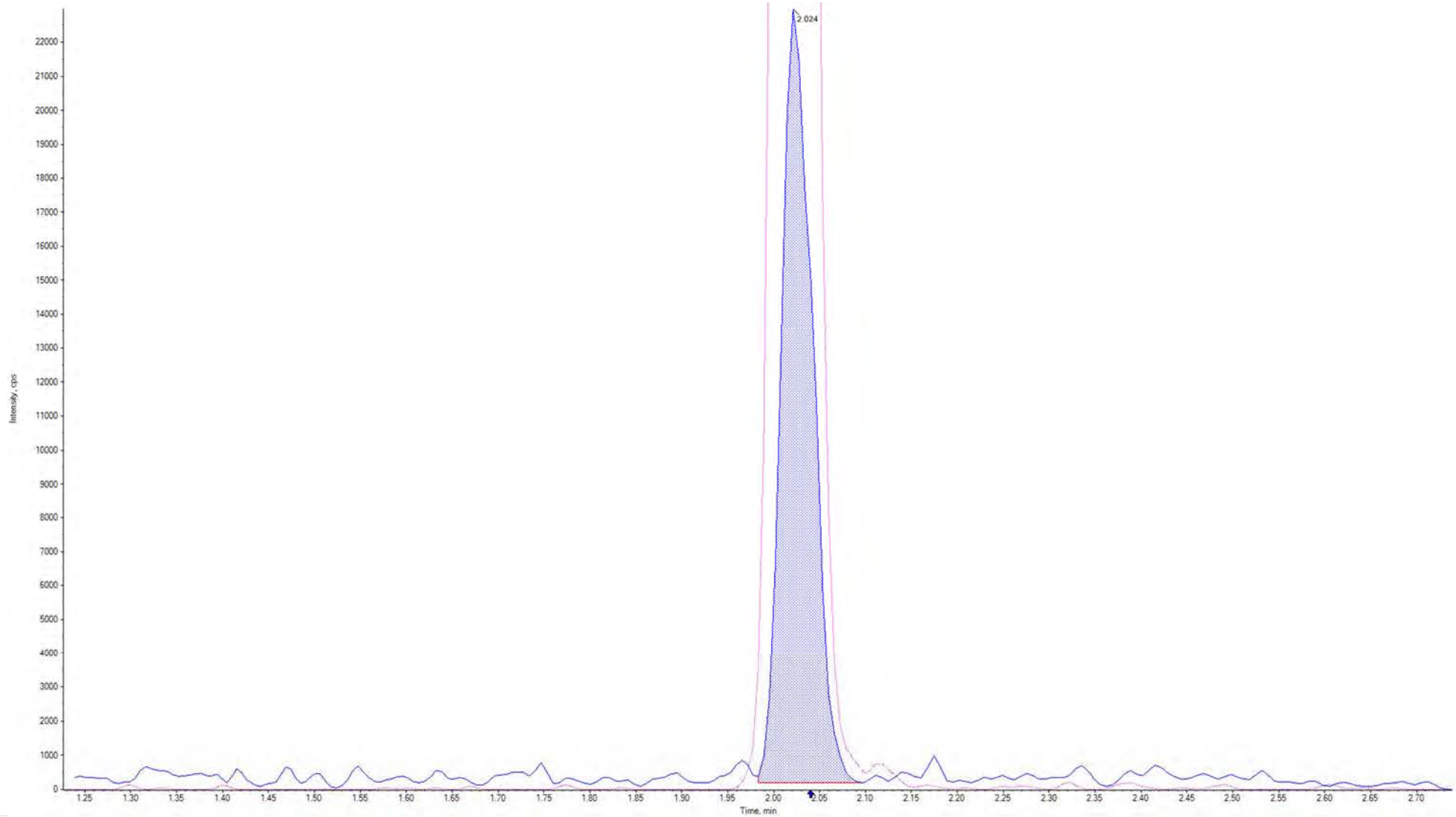
Last Altered: 3/18/2025 9:34:10 AM
Generated: 3/17/2025 4:15:11 PM

PFHxA
Sample: L2512368-16RE S/N:456.6 Points Across peak:19



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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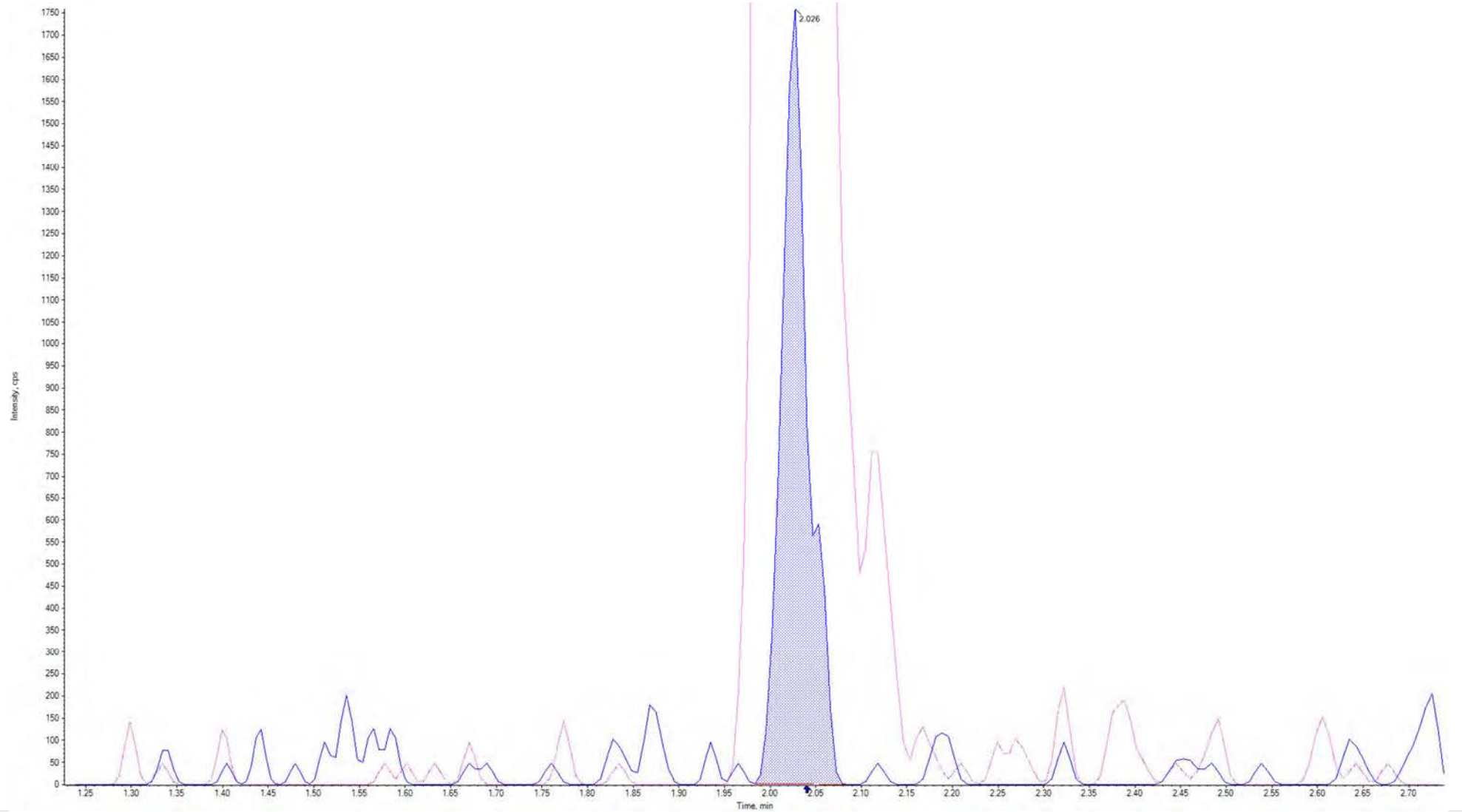
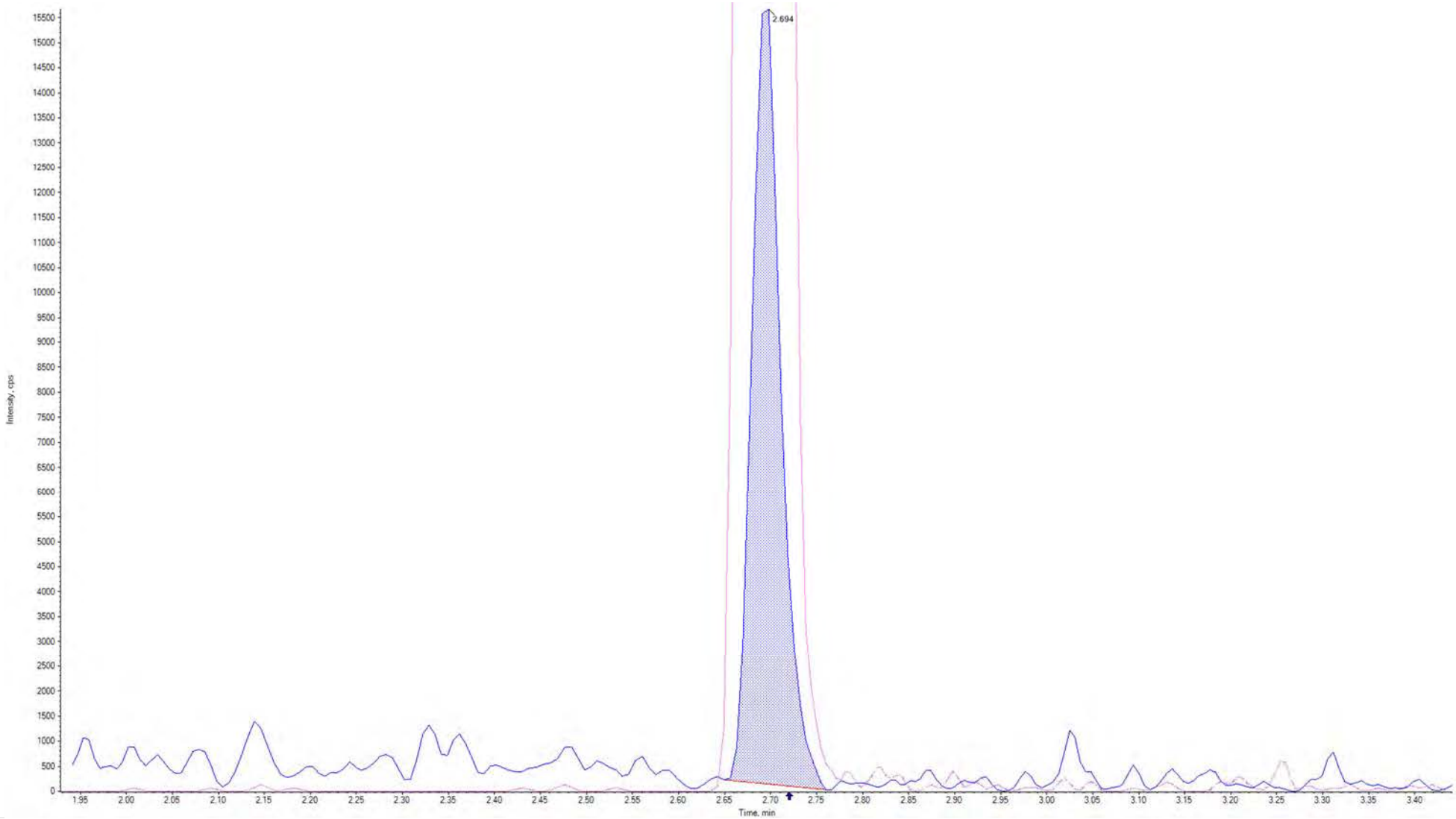
Last Altered: 3/18/2025 9:34:10 AM
Generated: 3/17/2025 4:15:11 PM

PFHxA_2
Sample: L2512368-16RE S/N:35.2 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\250317\SCI07_250317_43.wiff2_6
Last Altered: 3/18/2025 9:34:10 AM
Generated: 3/17/2025 4:15:11 PM

PFHpA
Sample: L2512368-16RE S/N:233.5 Points Across peak:18



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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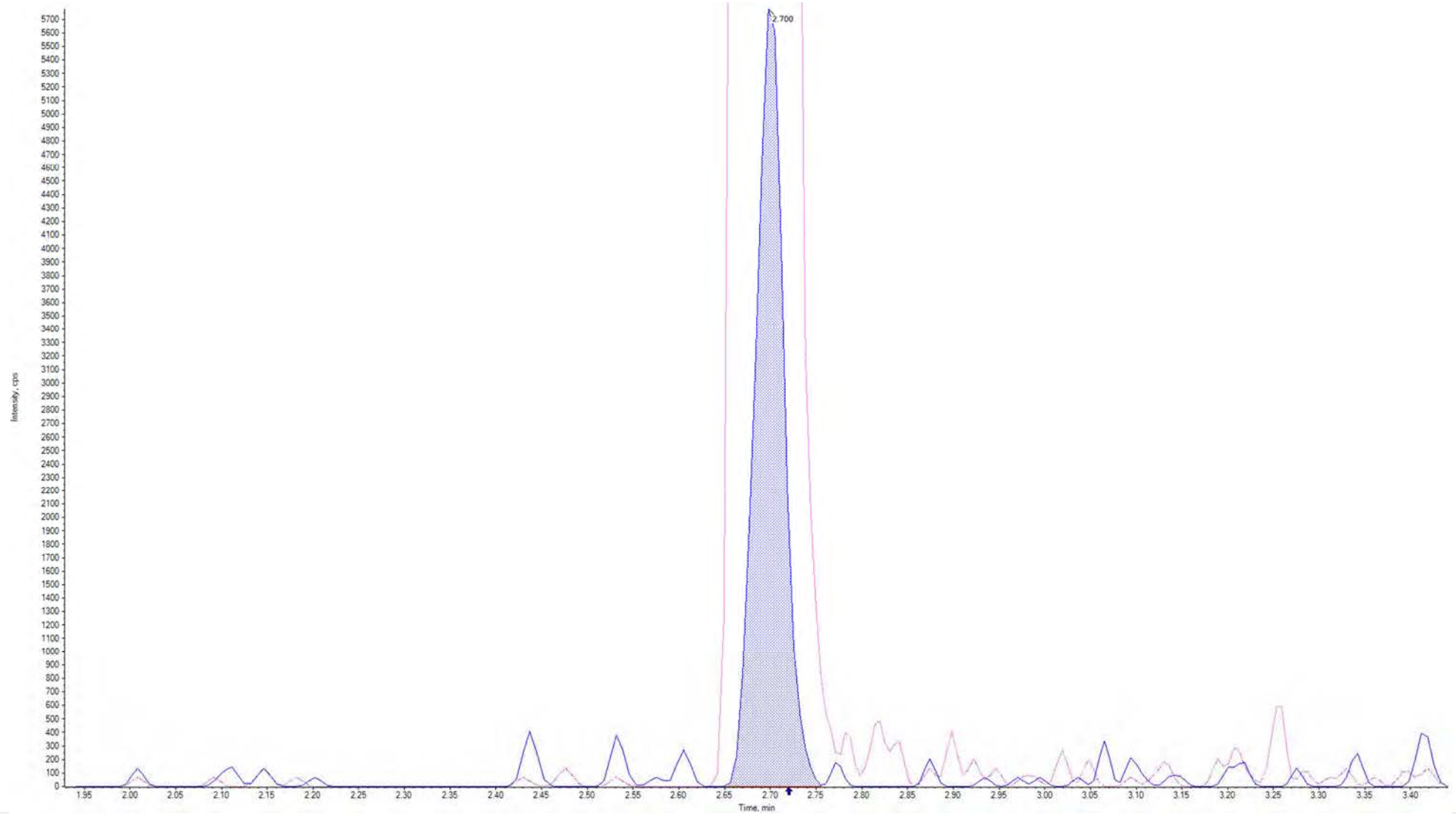
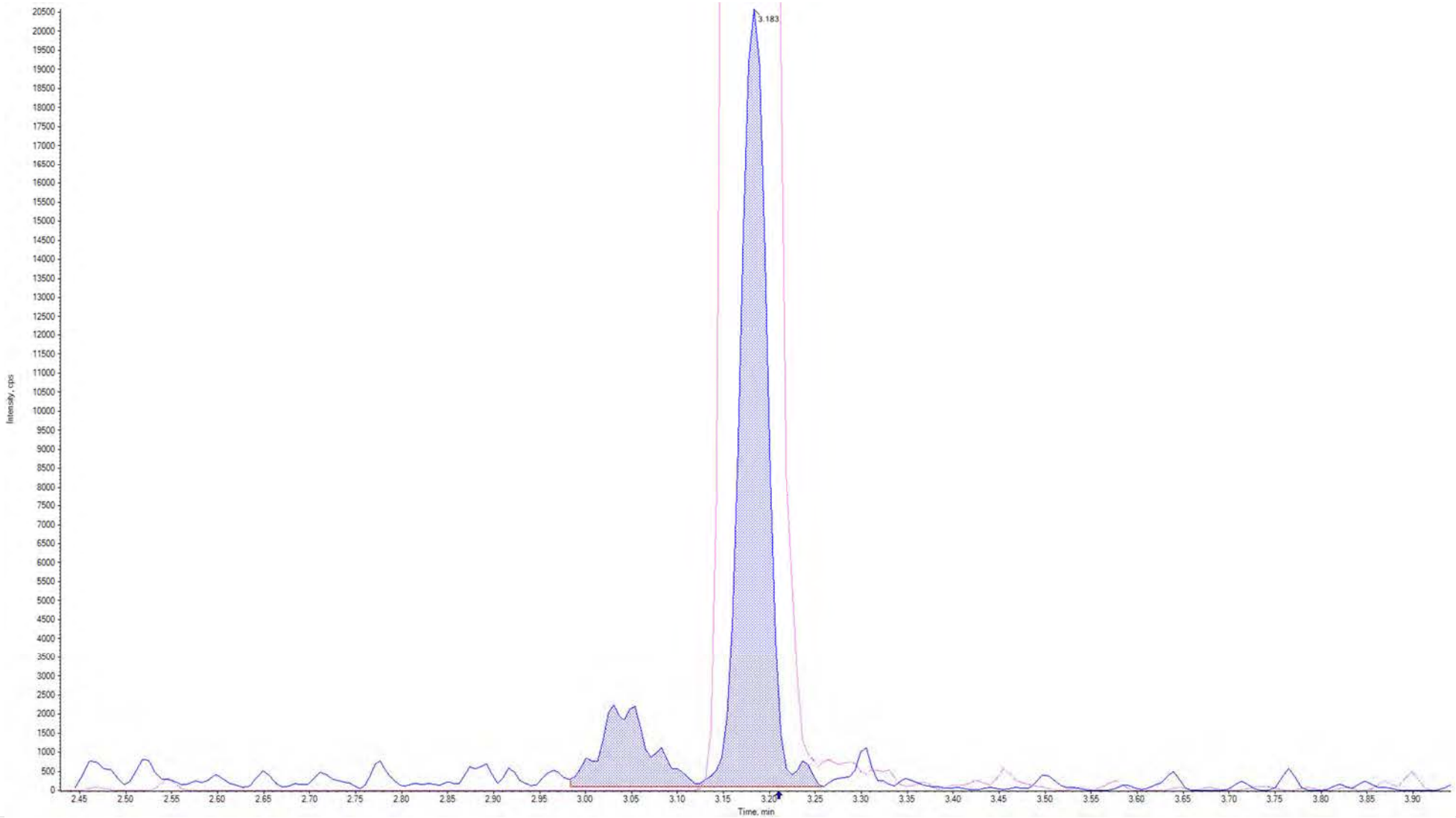
Last Altered: 3/18/2025 9:34:10 AM
Generated: 3/17/2025 4:15:11 PM

PFHpA_2
Sample: L2512368-16RE S/N:86.9 Points Across peak:18



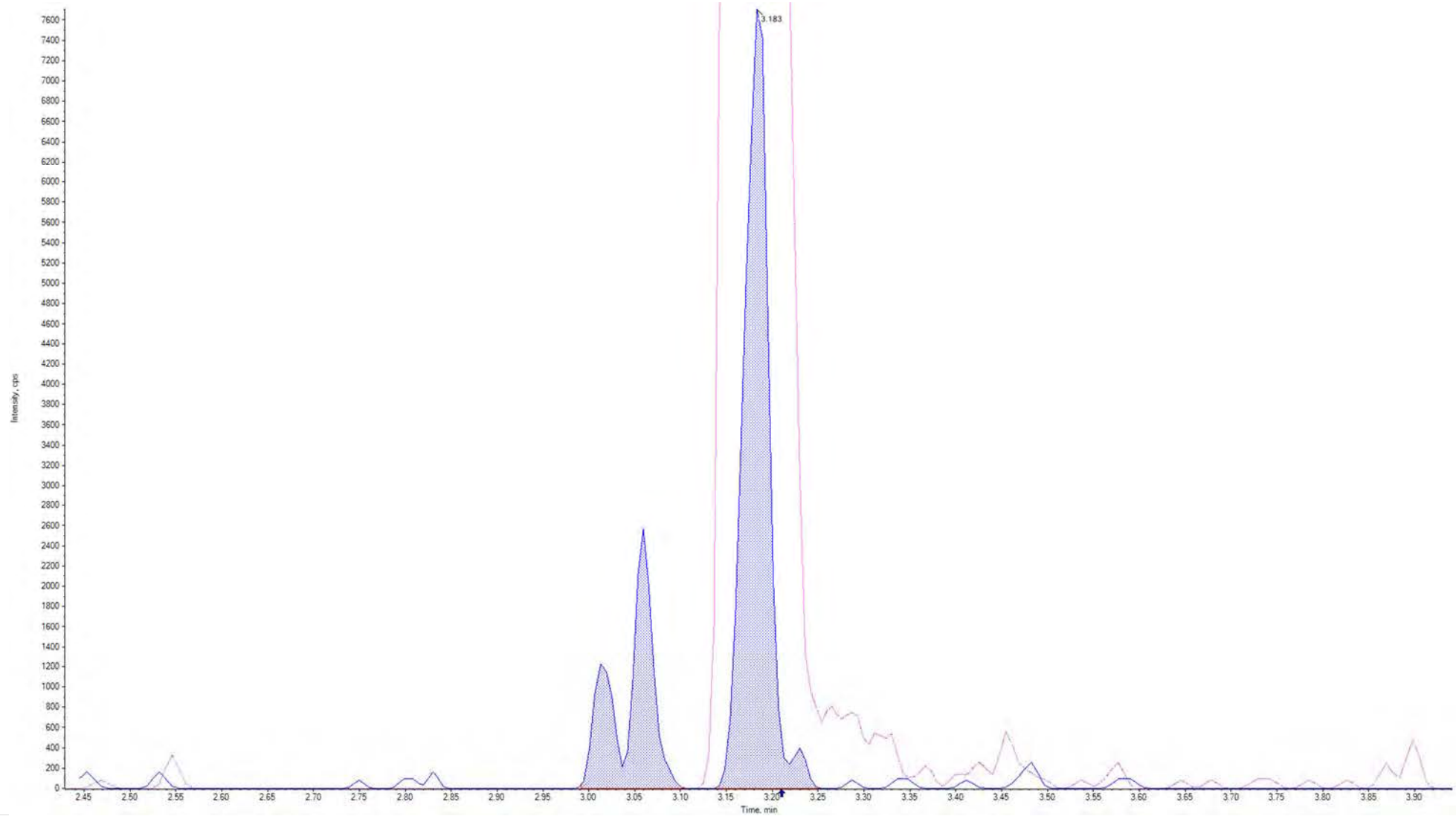
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250317\SCI07_250317_43.wiff2_6
Last Altered: 3/18/2025 9:34:10 AM
Generated: 3/17/2025 4:15:11 PM

PFOA
Sample: L2512368-16RE S/N:165.5 Points Across peak:48



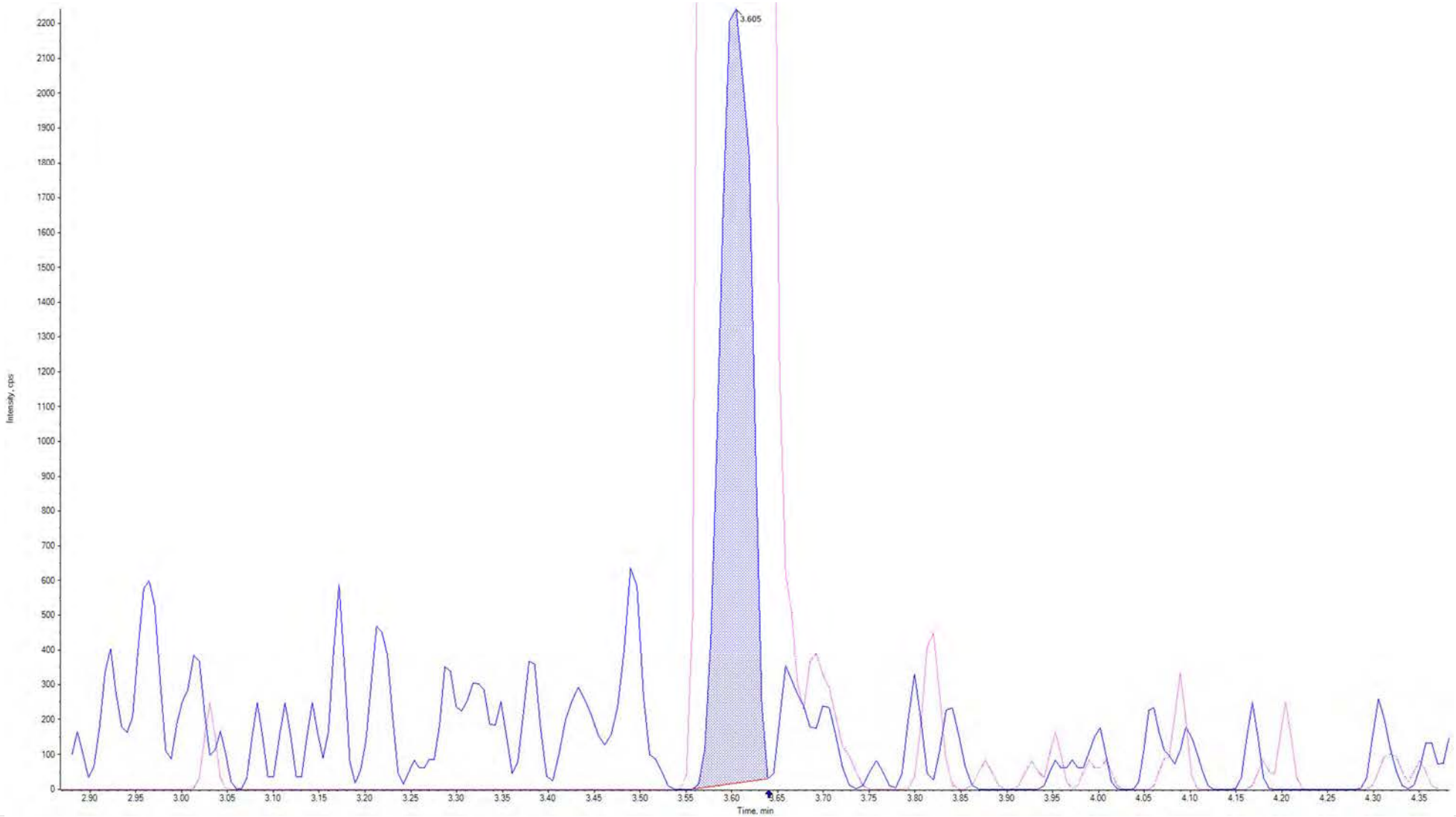
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250317\SCI07_250317_43.wiff2_6
Last Altered: 3/18/2025 9:34:10 AM
Generated: 3/17/2025 4:15:11 PM

PFOA_2
Sample: L2512368-16RE S/N:96.6 Points Across peak:46



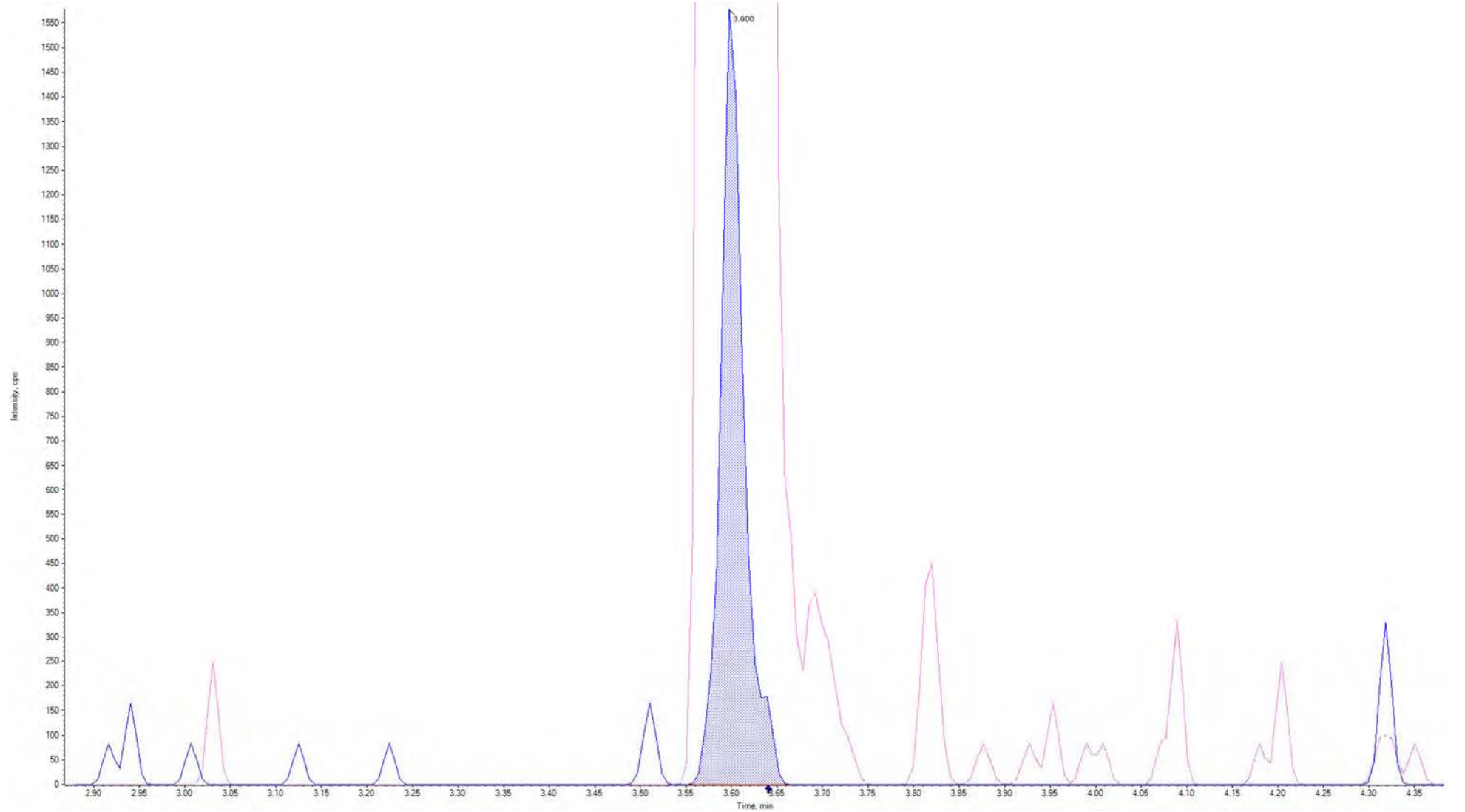
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250317\SCI07_250317_43.wiff2_6
Last Altered: 3/18/2025 9:34:10 AM
Generated: 3/17/2025 4:15:11 PM

PFNA
Sample: L2512368-16RE S/N:27.8 Points Across peak:13



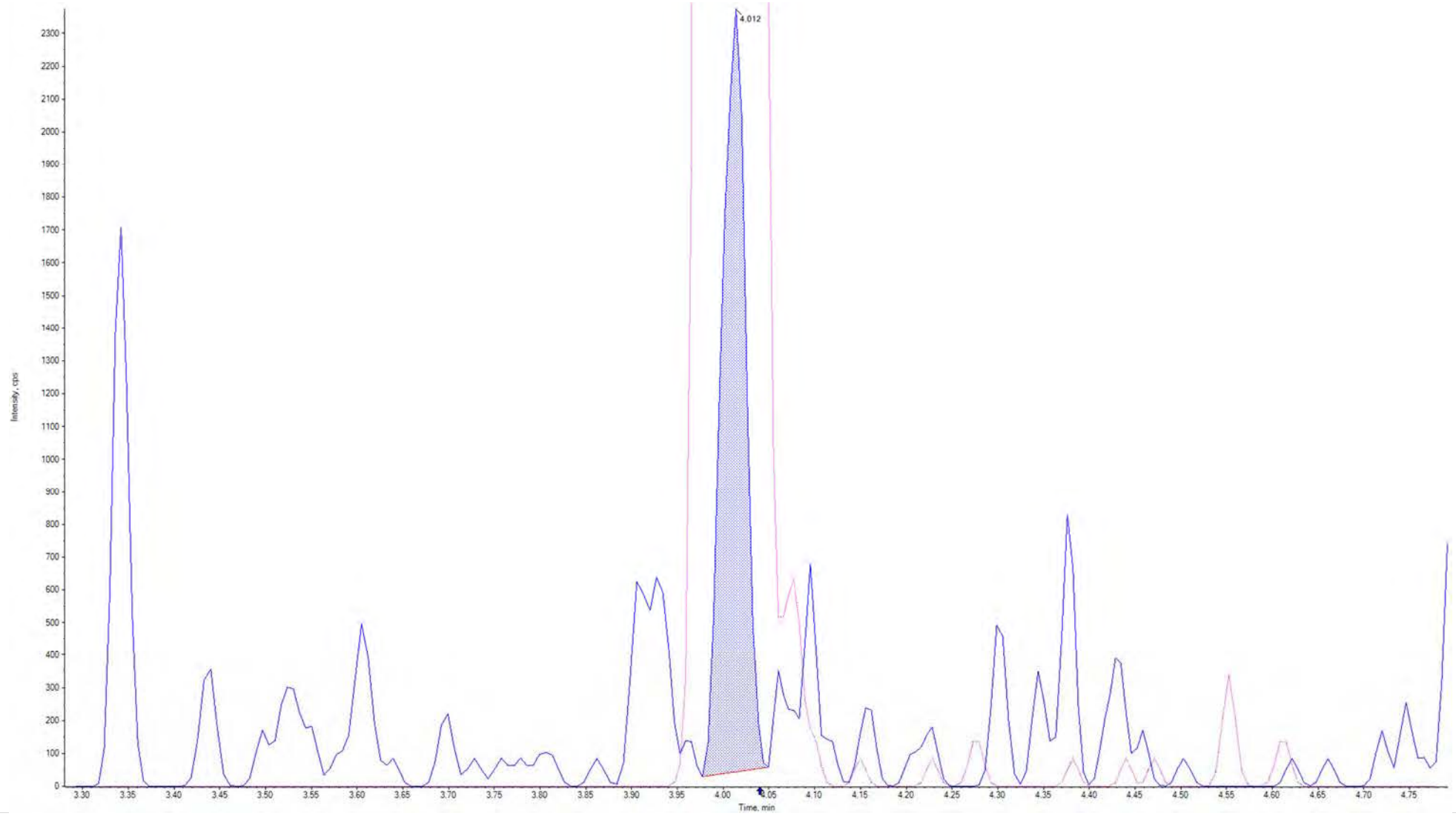
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250317\SCI07_250317_43.wiff2_6
Last Altered: 3/18/2025 9:34:10 AM
Generated: 3/17/2025 4:15:11 PM

PFNA_2
Sample: L2512368-16RE S/N:19.8 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\250317\SCI07_250317_43.wiff2_6
Last Altered: 3/18/2025 9:34:10 AM
Generated: 3/17/2025 4:15:11 PM

PFDA
Sample: L2512368-16RE S/N:29.2 Points Across peak:13



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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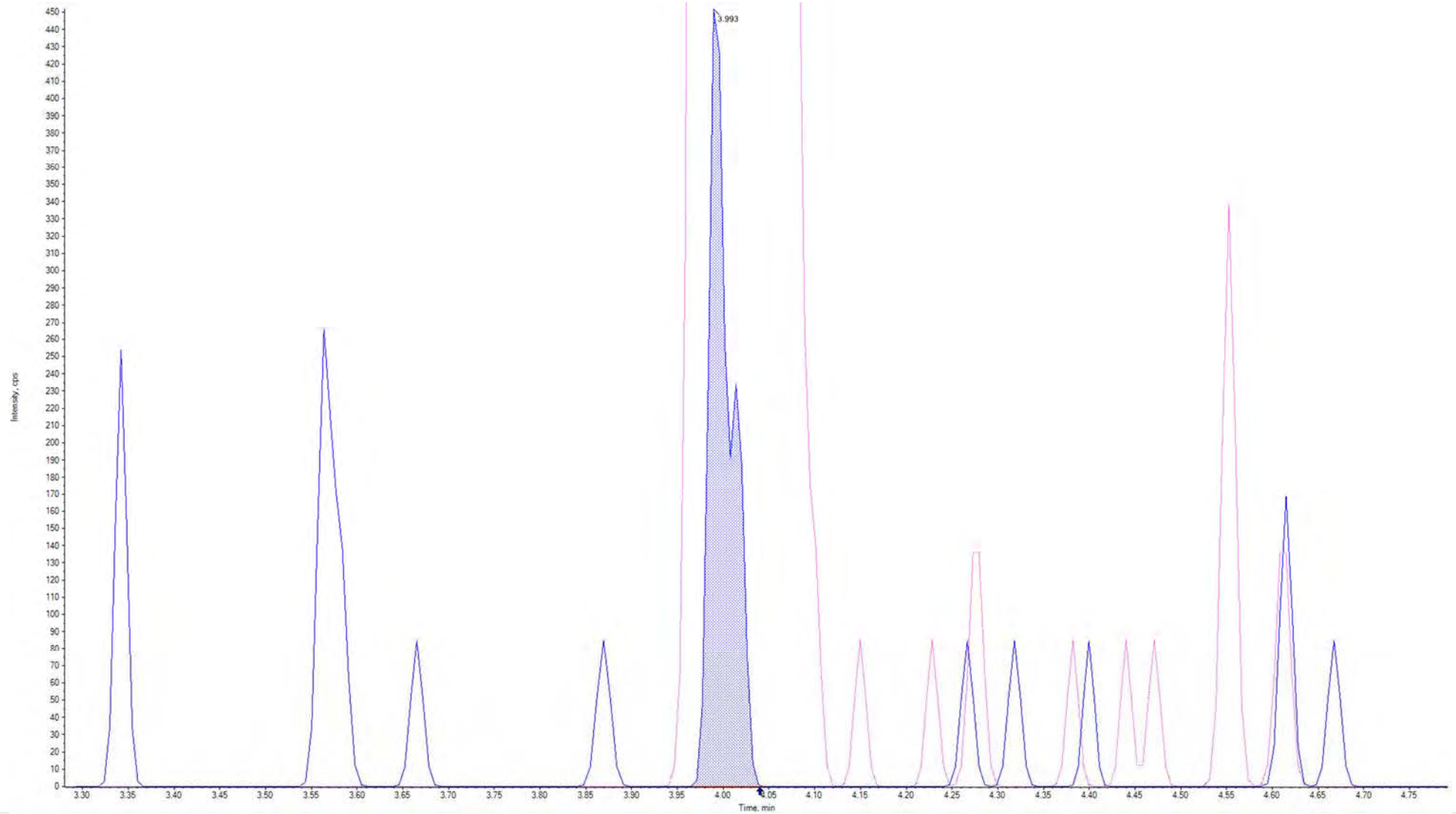
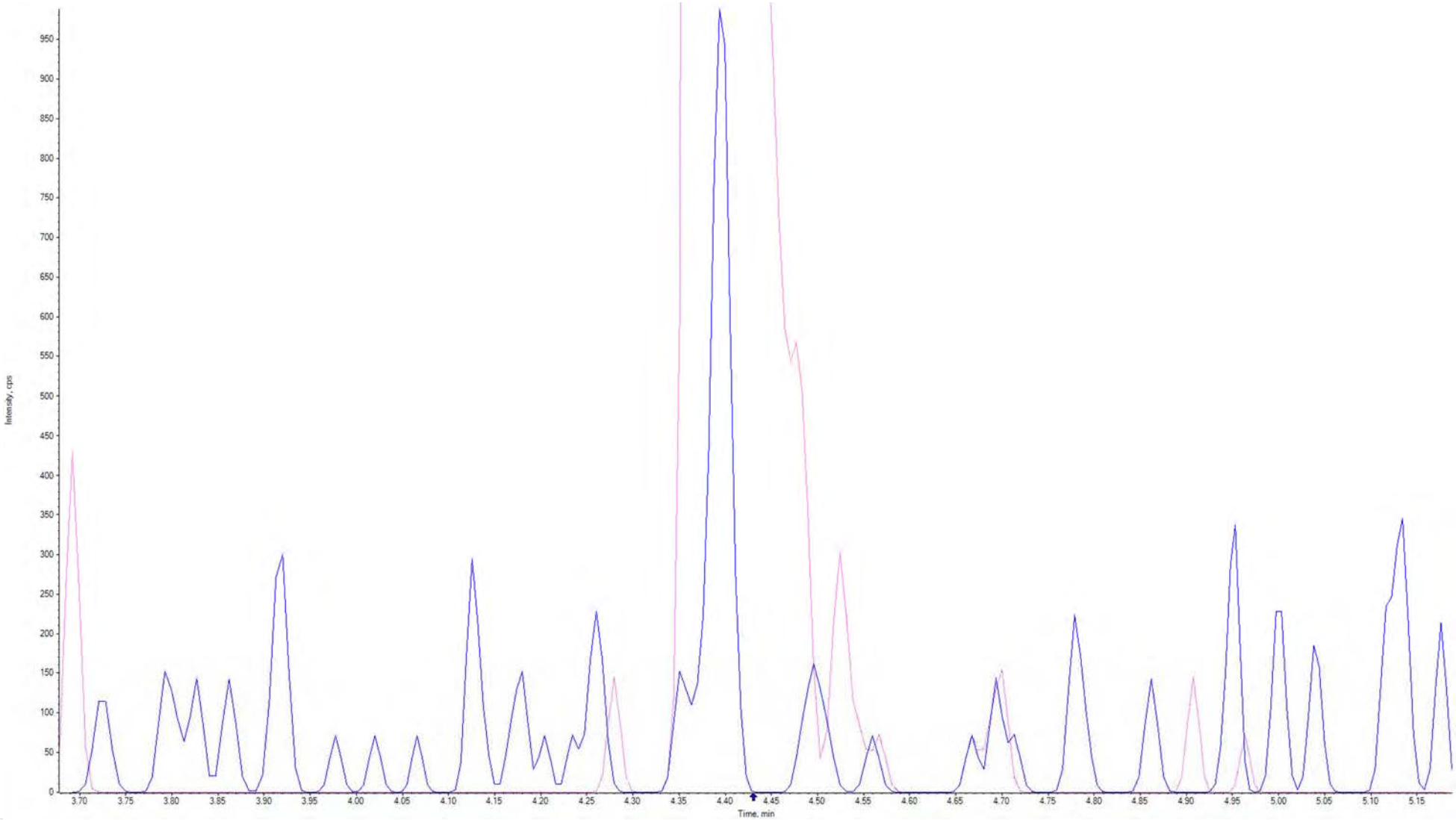
Last Altered: 3/18/2025 9:34:10 AM
Generated: 3/17/2025 4:15:11 PM

PFDA_2
Sample: L2512368-16RE S/N:5.7 Points Across peak:16



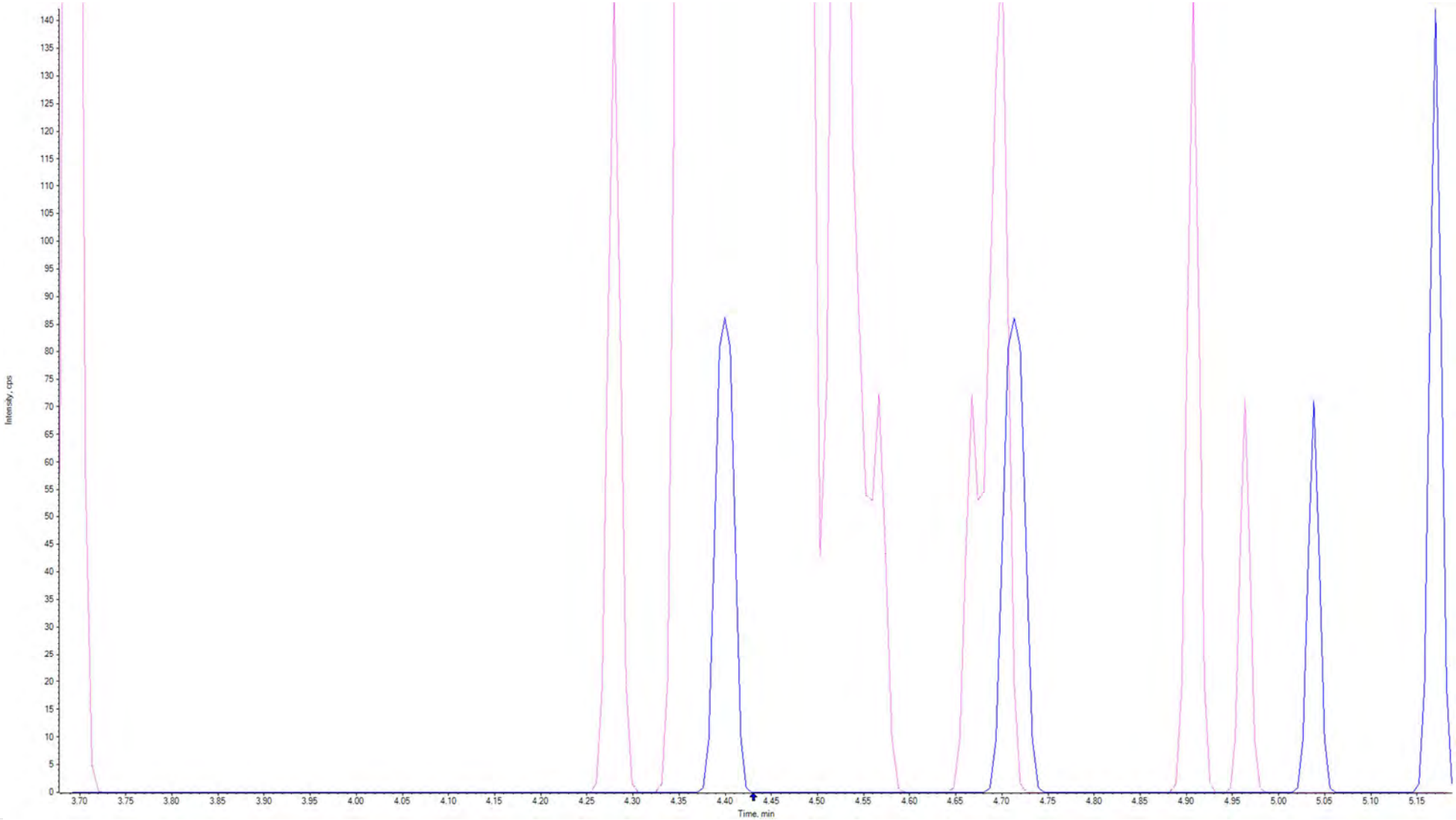
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250317\SCI07_250317_43.wiff2_6
Last Altered: 3/18/2025 9:34:10 AM
Generated: 3/17/2025 4:15:11 PM

PFUnA
Sample: L2512368-16RE 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\250317\SCI07_250317_43.wiff2_6
Last Altered: 3/18/2025 9:34:10 AM
Generated: 3/17/2025 4:15:11 PM

PFUnA_2
Sample: L2512368-16RE 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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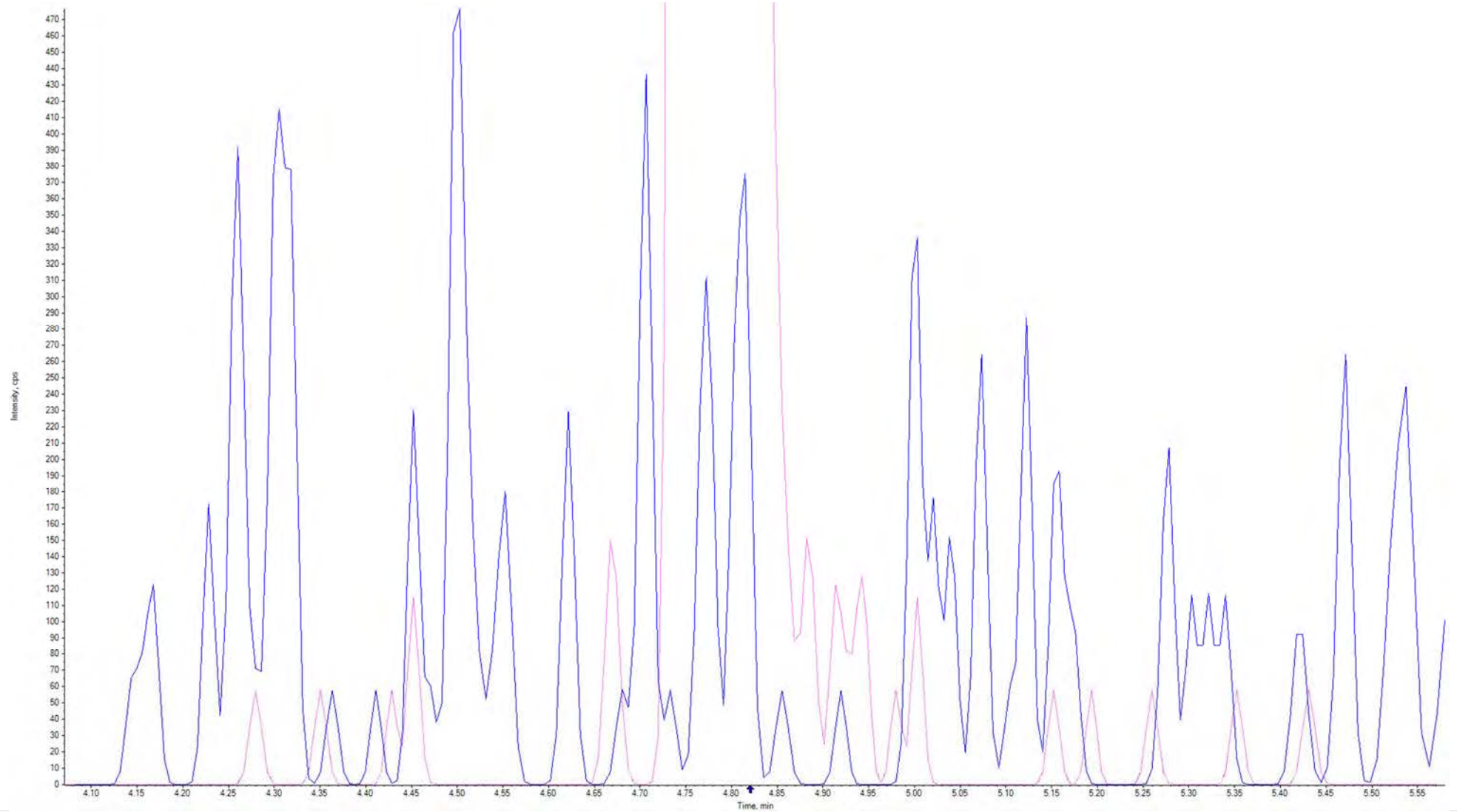
Last Altered: 3/18/2025 9:34:10 AM
Generated: 3/17/2025 4:15:11 PM

PFDoA
Sample: L2512368-16RE 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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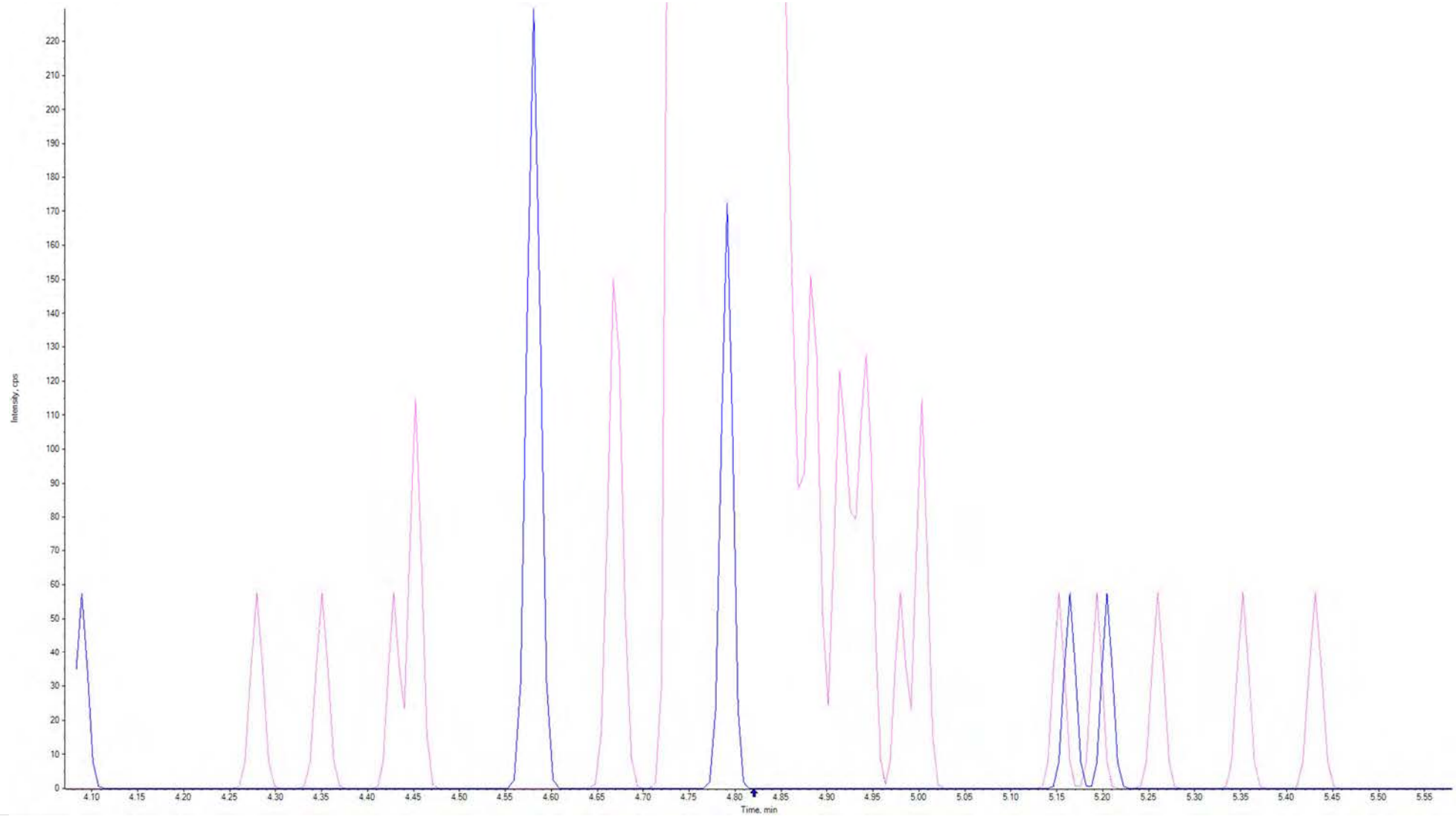
Last Altered: 3/18/2025 9:34:10 AM
Generated: 3/17/2025 4:15:11 PM

PFDoA_2
Sample: L2512368-16RE 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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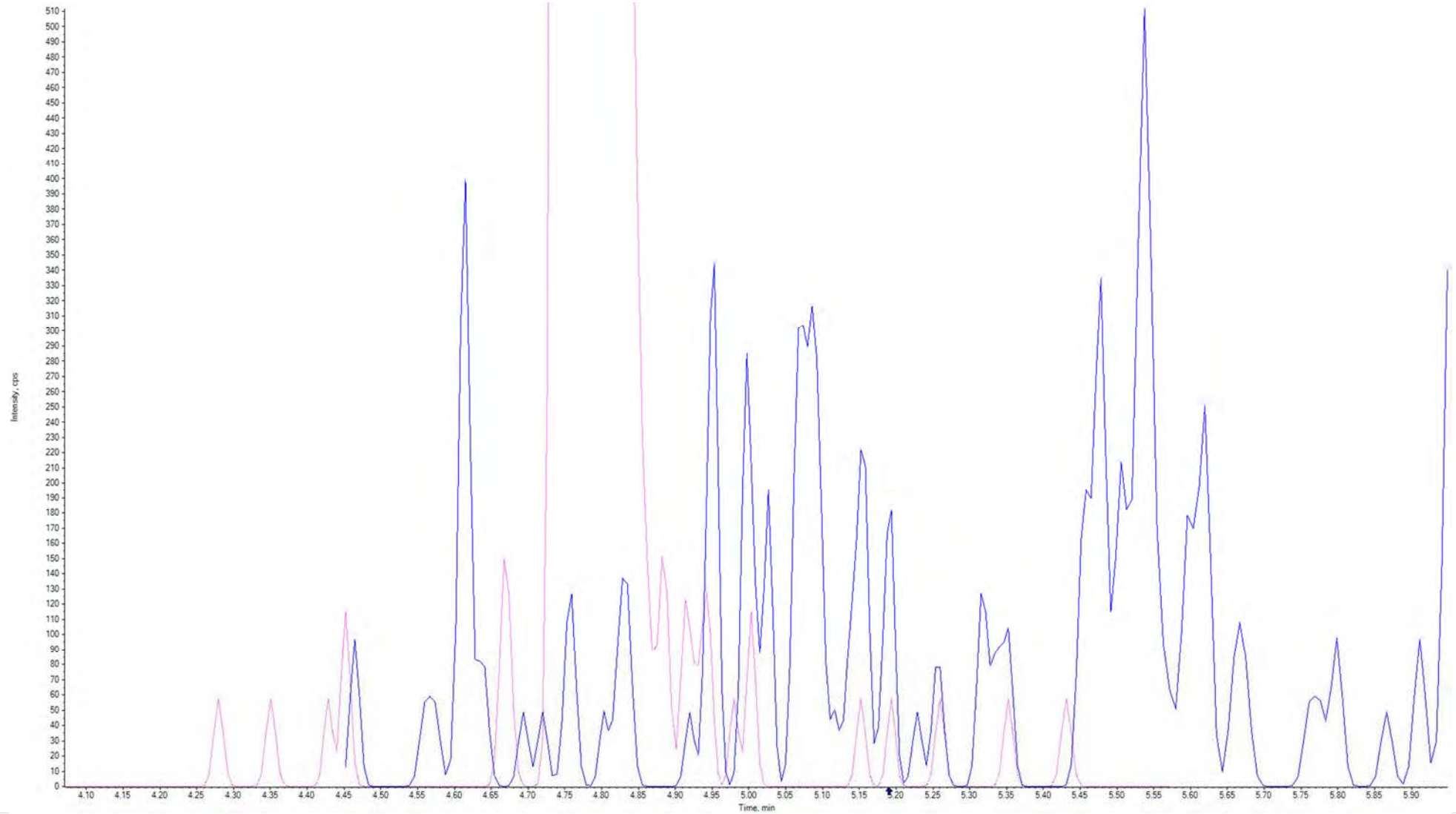
Last Altered: 3/18/2025 9:34:10 AM
Generated: 3/17/2025 4:15:11 PM

PFTrDA
Sample: L2512368-16RE 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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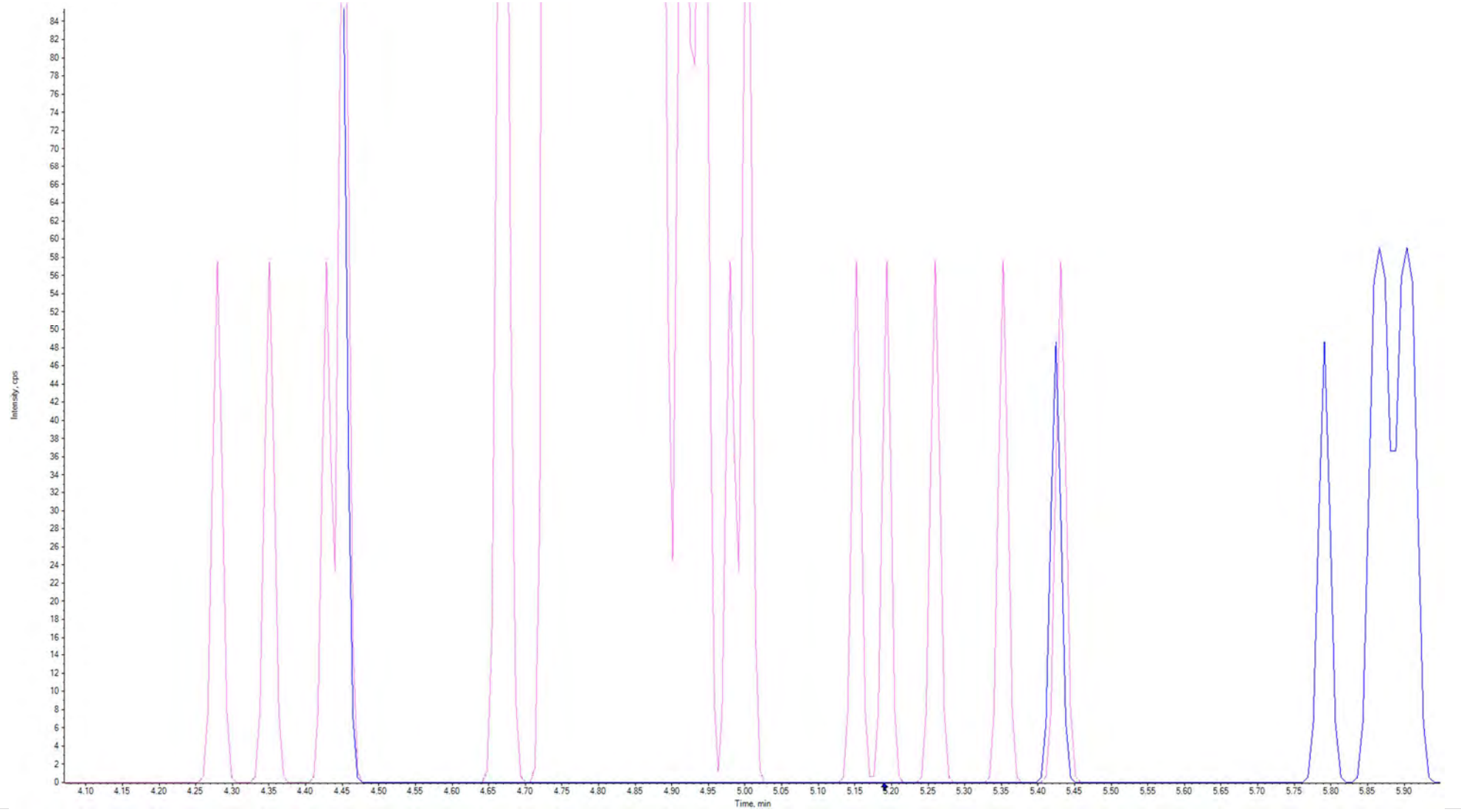
Last Altered: 3/18/2025 9:34:10 AM
Generated: 3/17/2025 4:15:11 PM

PFTrDA_2
Sample: L2512368-16RE 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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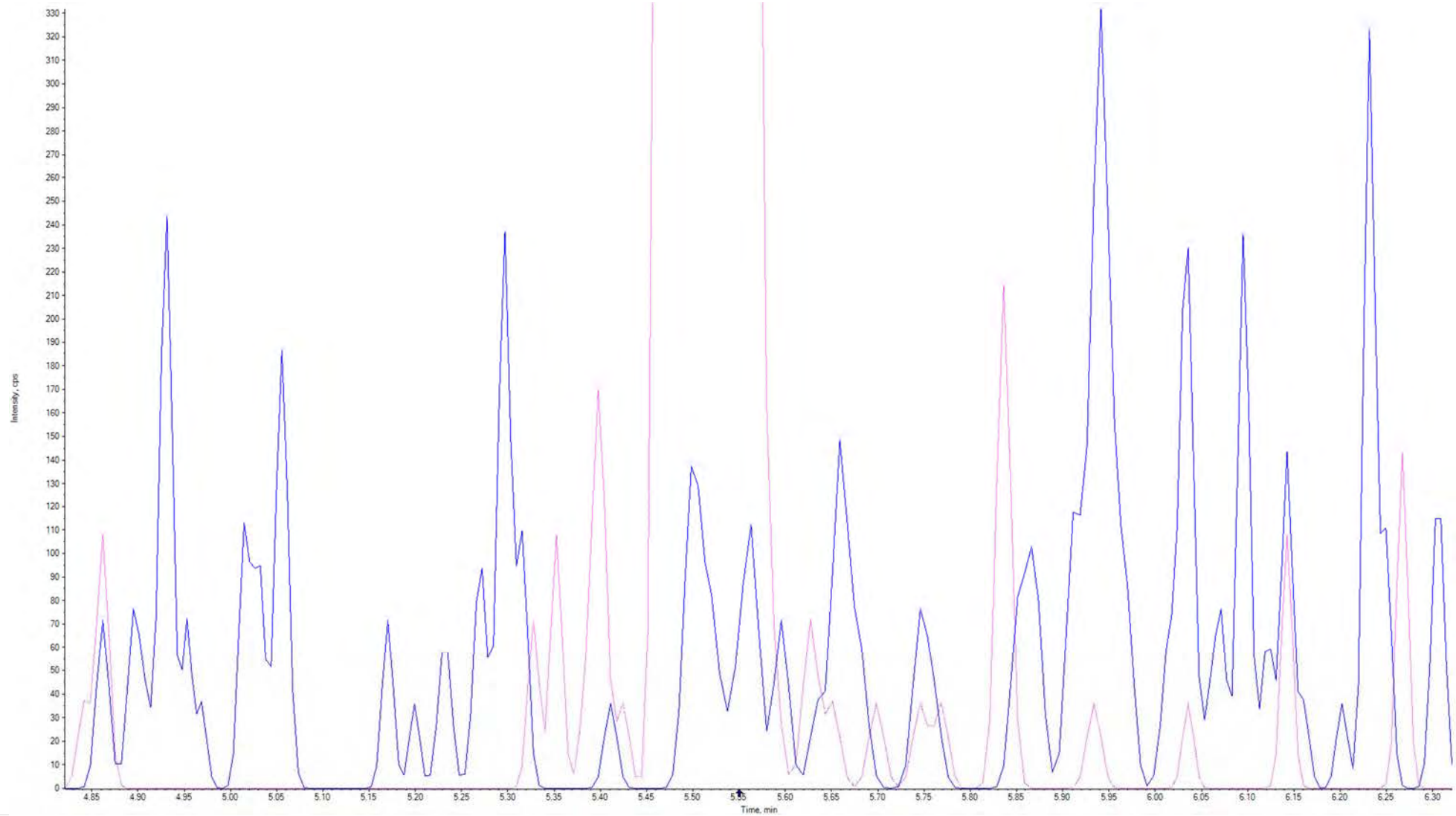
Last Altered: 3/18/2025 9:34:10 AM
Generated: 3/17/2025 4:15:11 PM

PFTeDA
Sample: L2512368-16RE 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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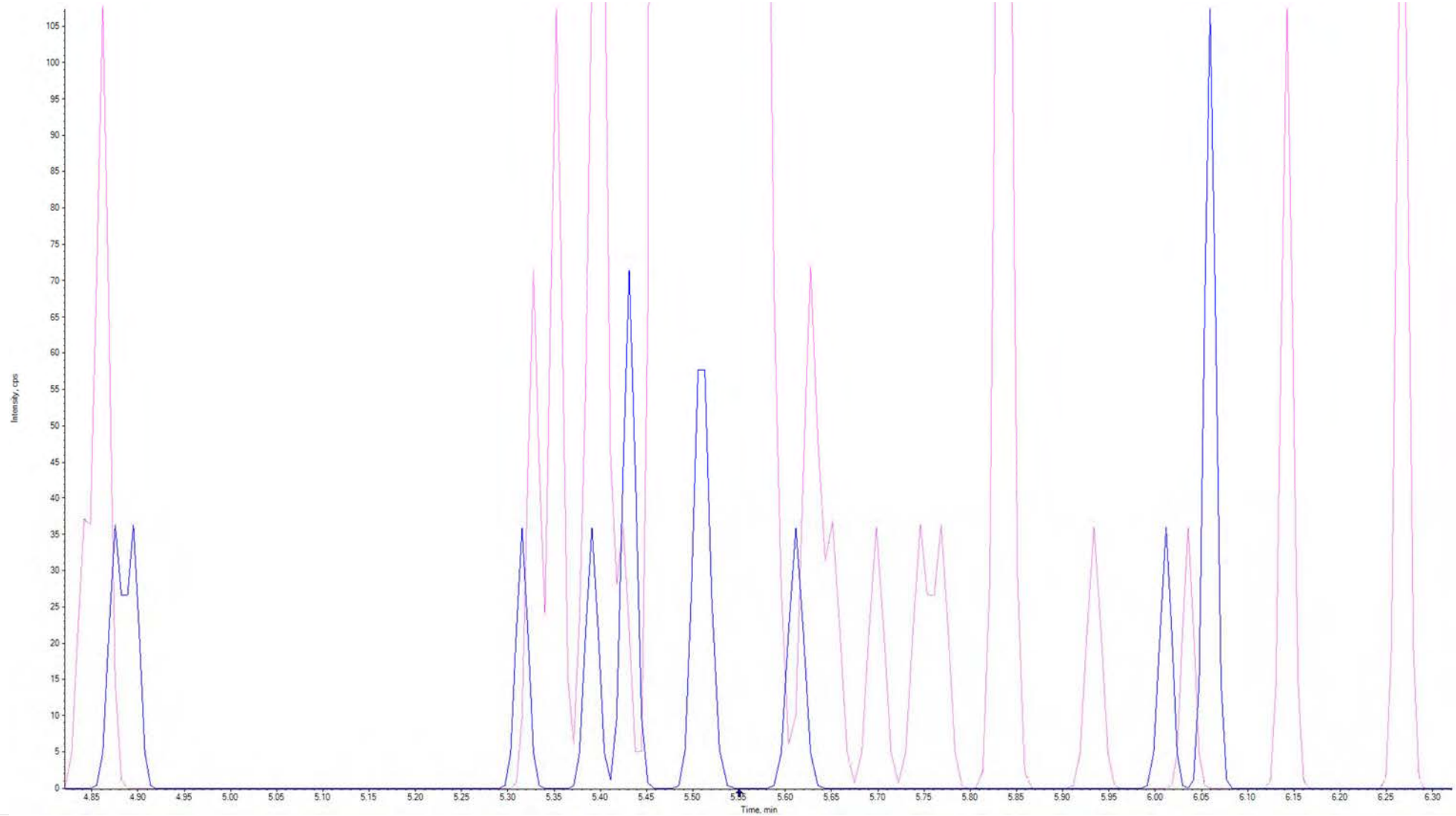
Last Altered: 3/18/2025 9:34:10 AM
Generated: 3/17/2025 4:15:11 PM

PFTeDA_2
Sample: L2512368-16RE 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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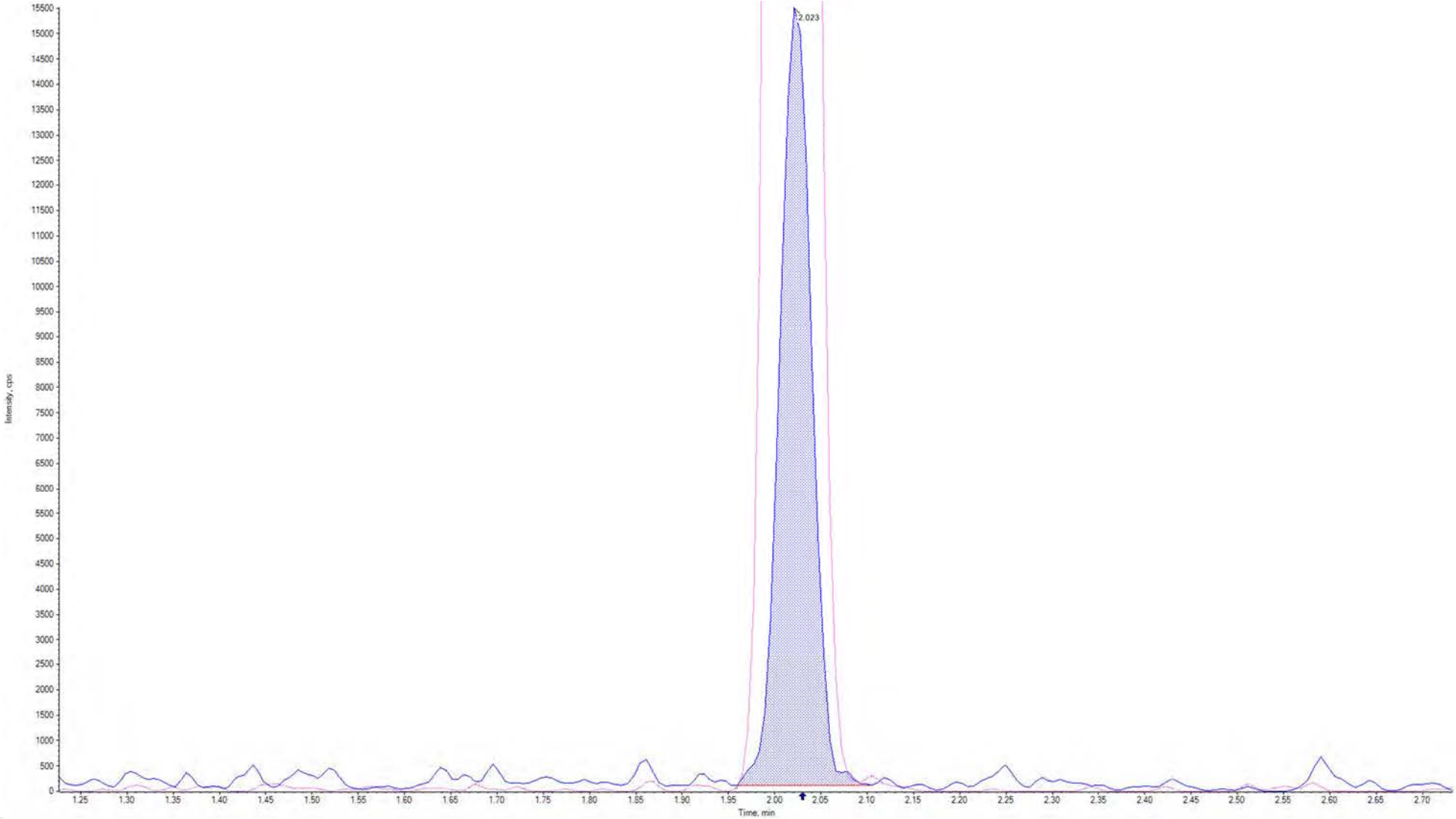
Last Altered: 3/18/2025 9:34:10 AM
Generated: 3/17/2025 4:15:11 PM

PFBS
Sample: L2512368-16RE S/N:308.7 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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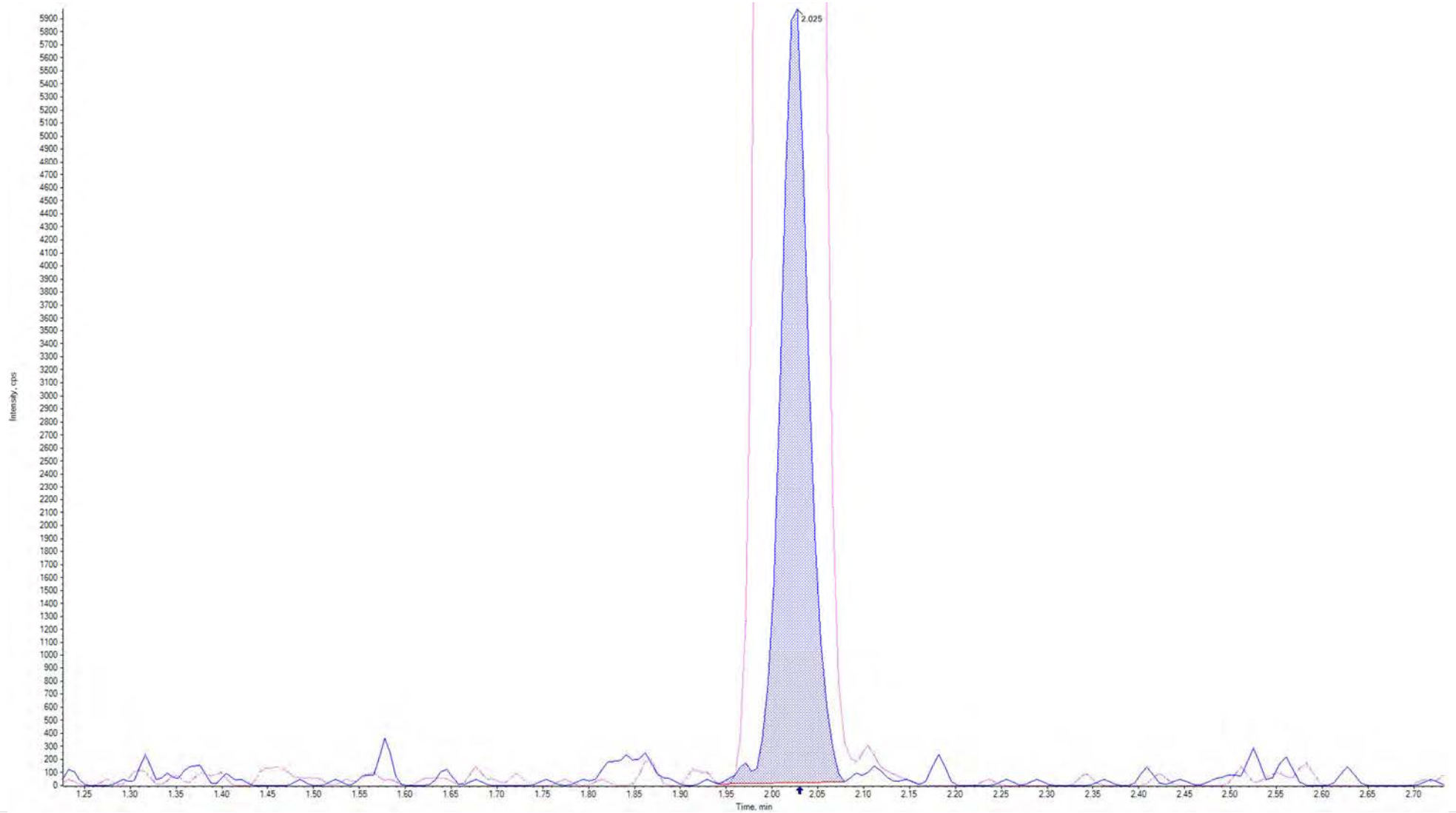
Generated: 3/17/2025 4:15:11 PM

PFBS_2
Sample: L2512368-16RE S/N:119.3 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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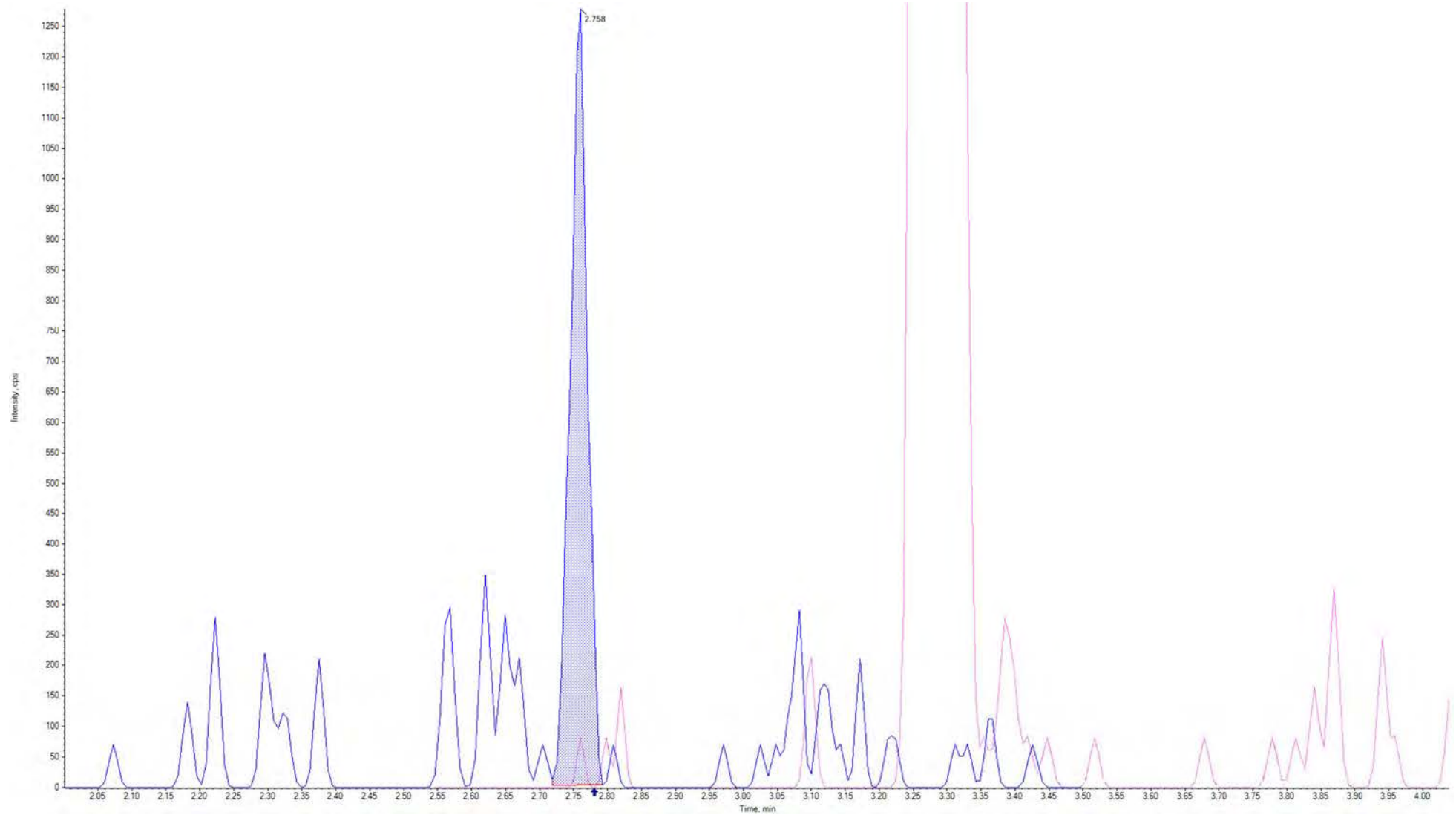
Last Altered: 3/18/2025 9:34:10 AM
Generated: 3/17/2025 4:15:11 PM

PFPeS
Sample: L2512368-16RE S/N:19.2 Points Across peak:14



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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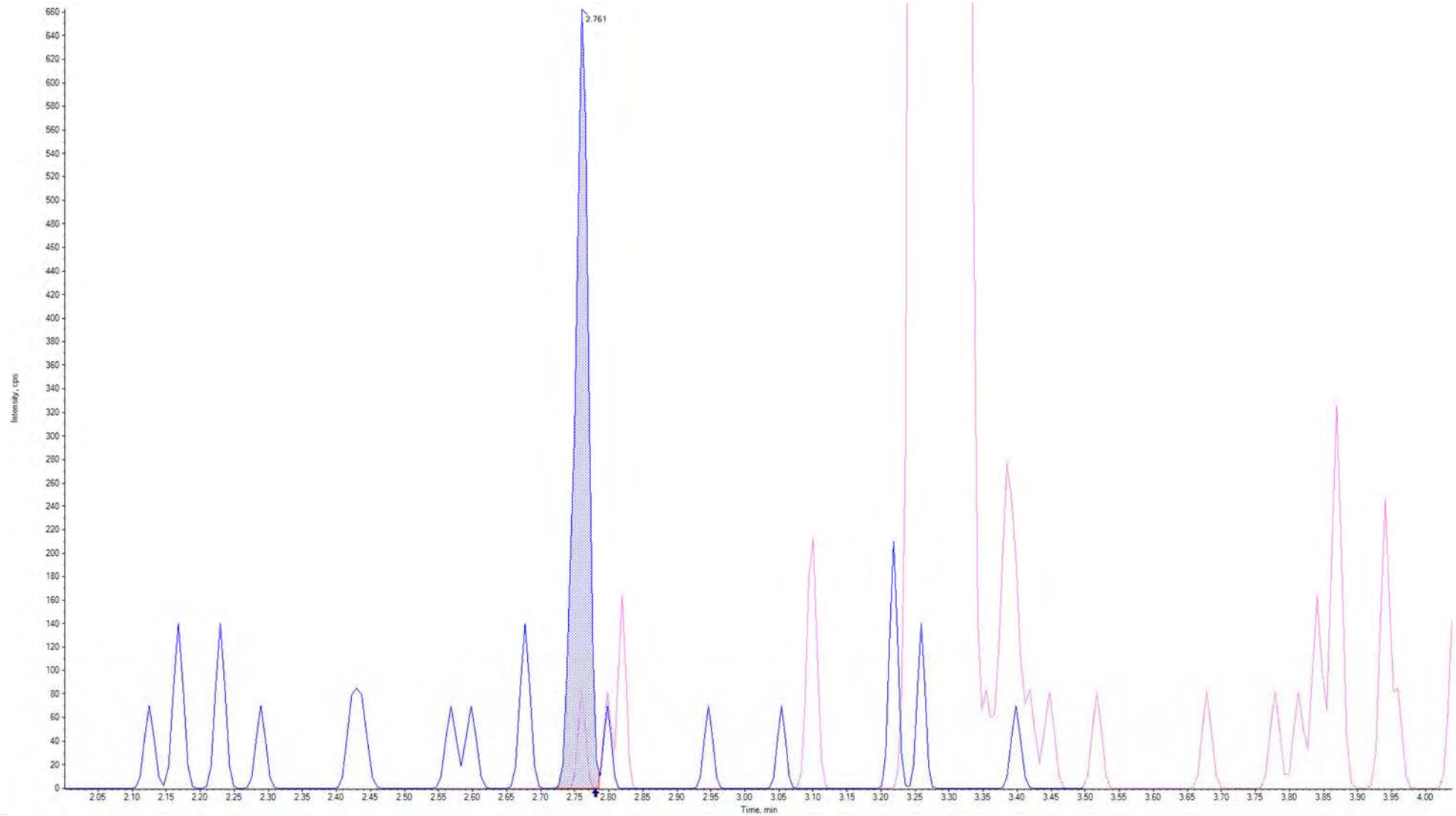
Last Altered: 3/18/2025 9:34:10 AM
Generated: 3/17/2025 4:15:11 PM

PFPeS_2
Sample: L2512368-16RE S/N:10.0 Points Across peak:13



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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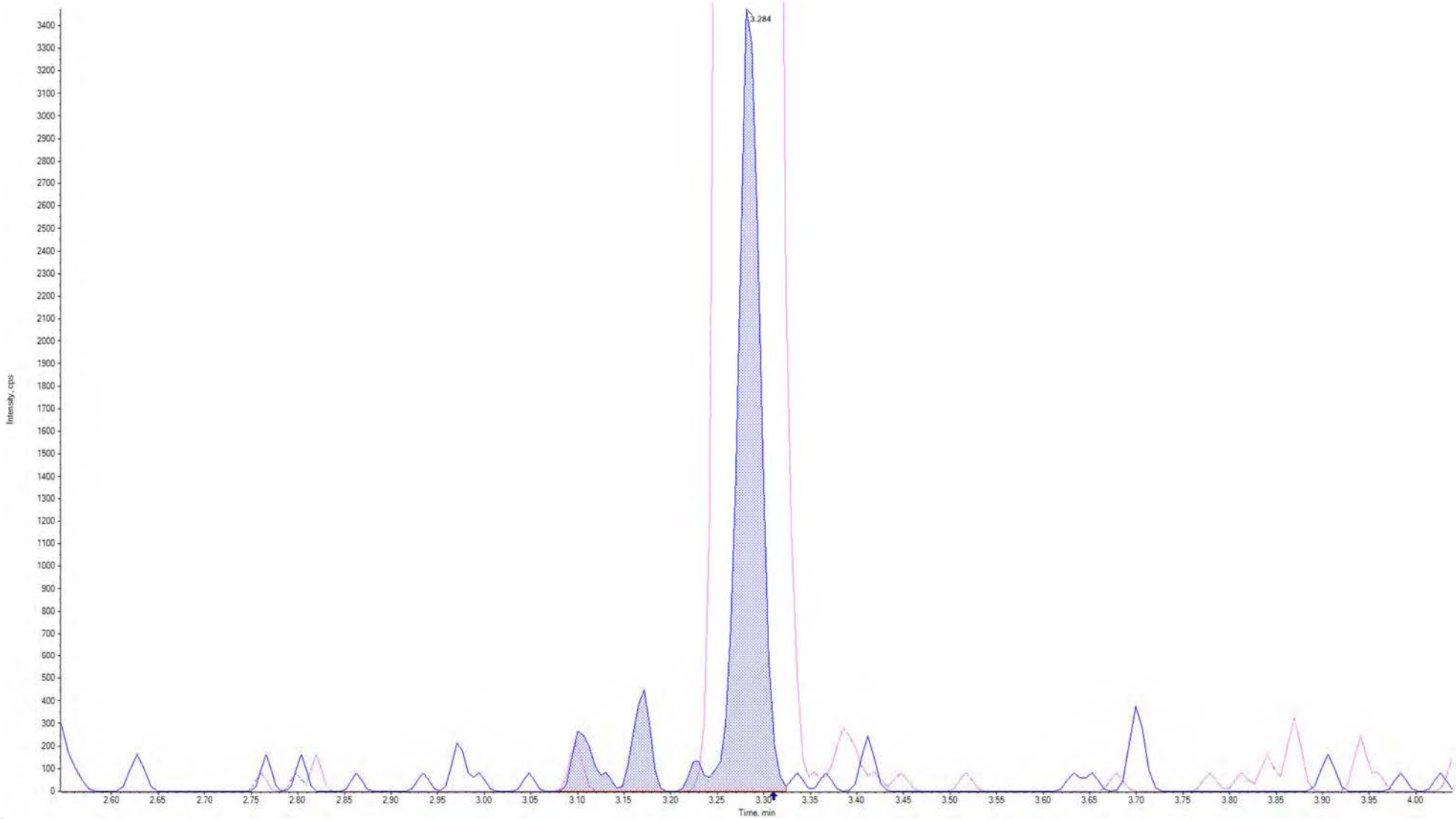
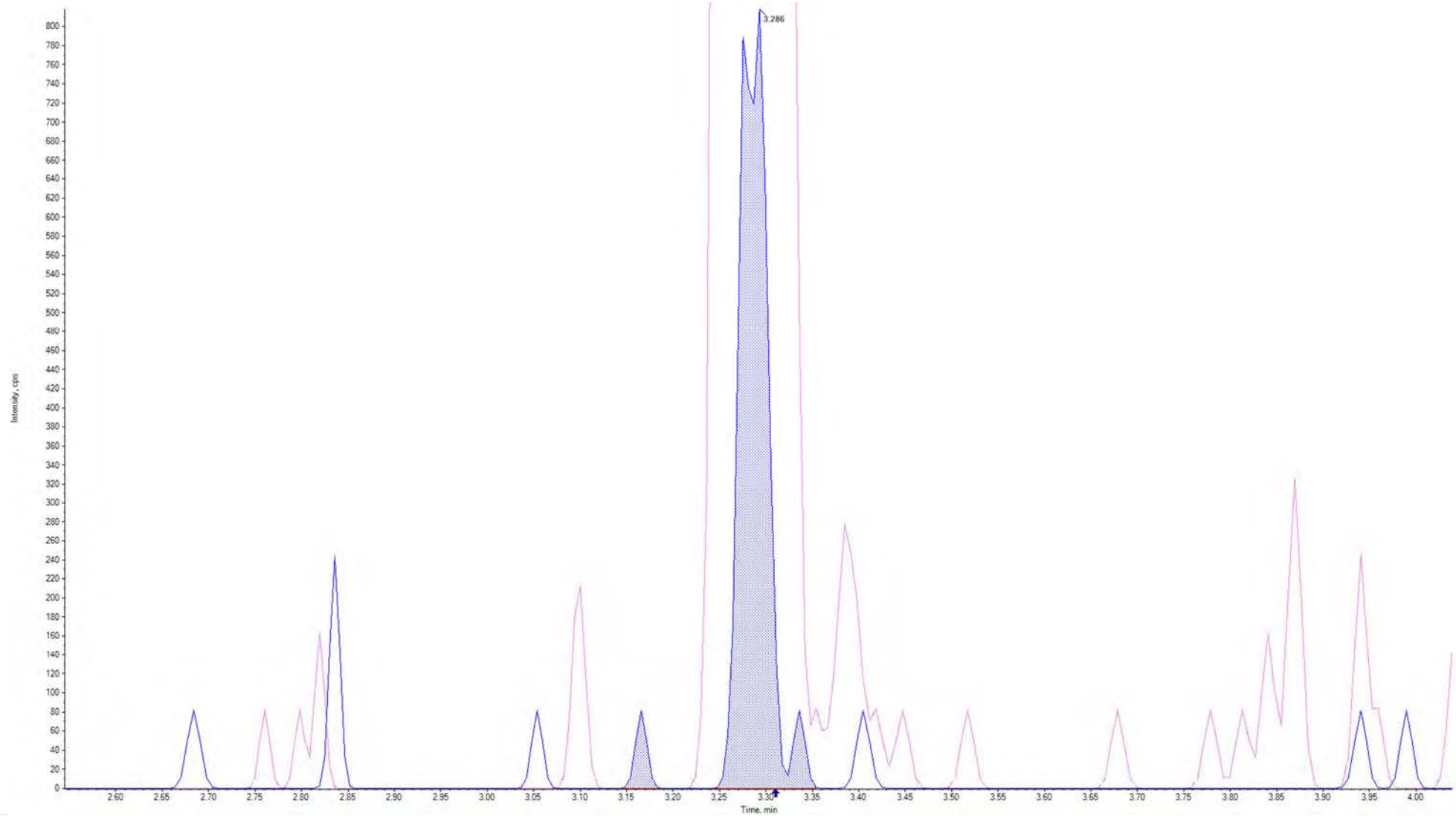
Last Altered: 3/18/2025 9:34:10 AM
Generated: 3/17/2025 4:15:11 PM

PFHxS
Sample: L2512368-16RE S/N:43.5 Points Across peak:45



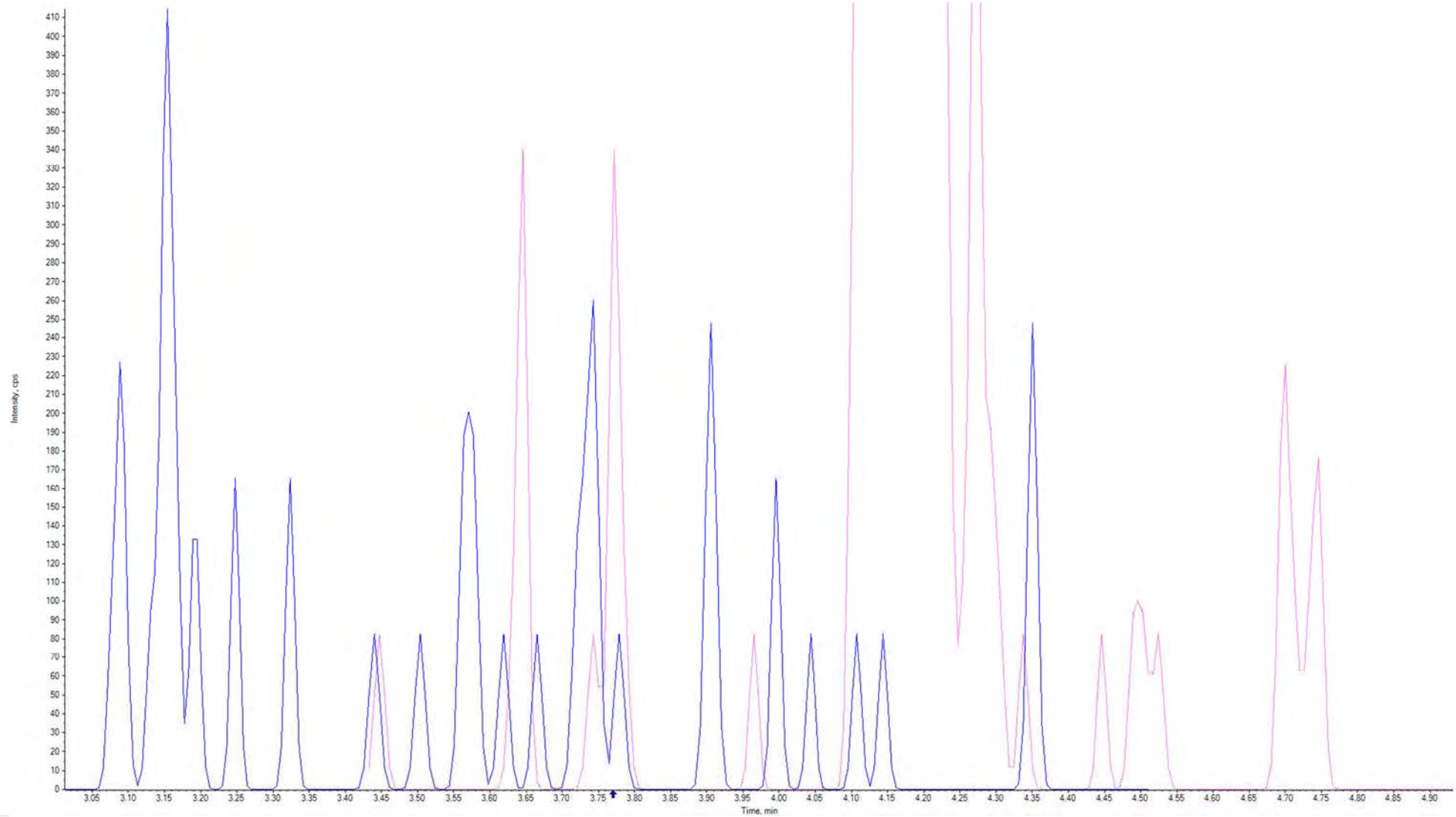
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250317\SCI07_250317_43.wiff2_6
Last Altered: 3/18/2025 9:34:10 AM
Generated: 3/17/2025 4:15:11 PM

PFHxS_2
Sample: L2512368-16RE S/N:10.3 Points Across peak:37



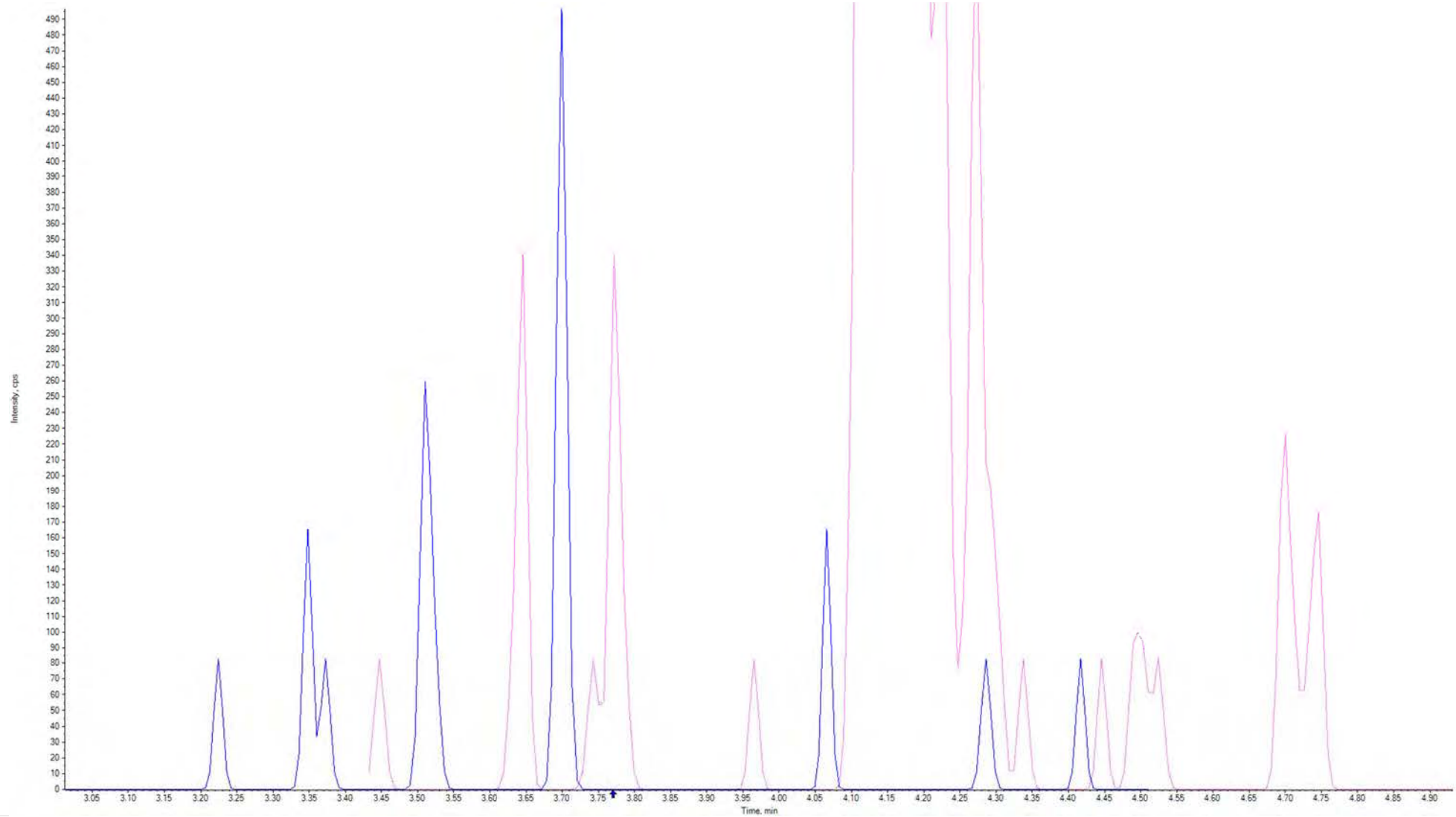
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250317\SCI07_250317_43.wiff2_6
Last Altered: 3/18/2025 9:34:10 AM
Generated: 3/17/2025 4:15:11 PM

PFHpS
Sample: L2512368-16RE S/N:N/A Points Across peak:N/A



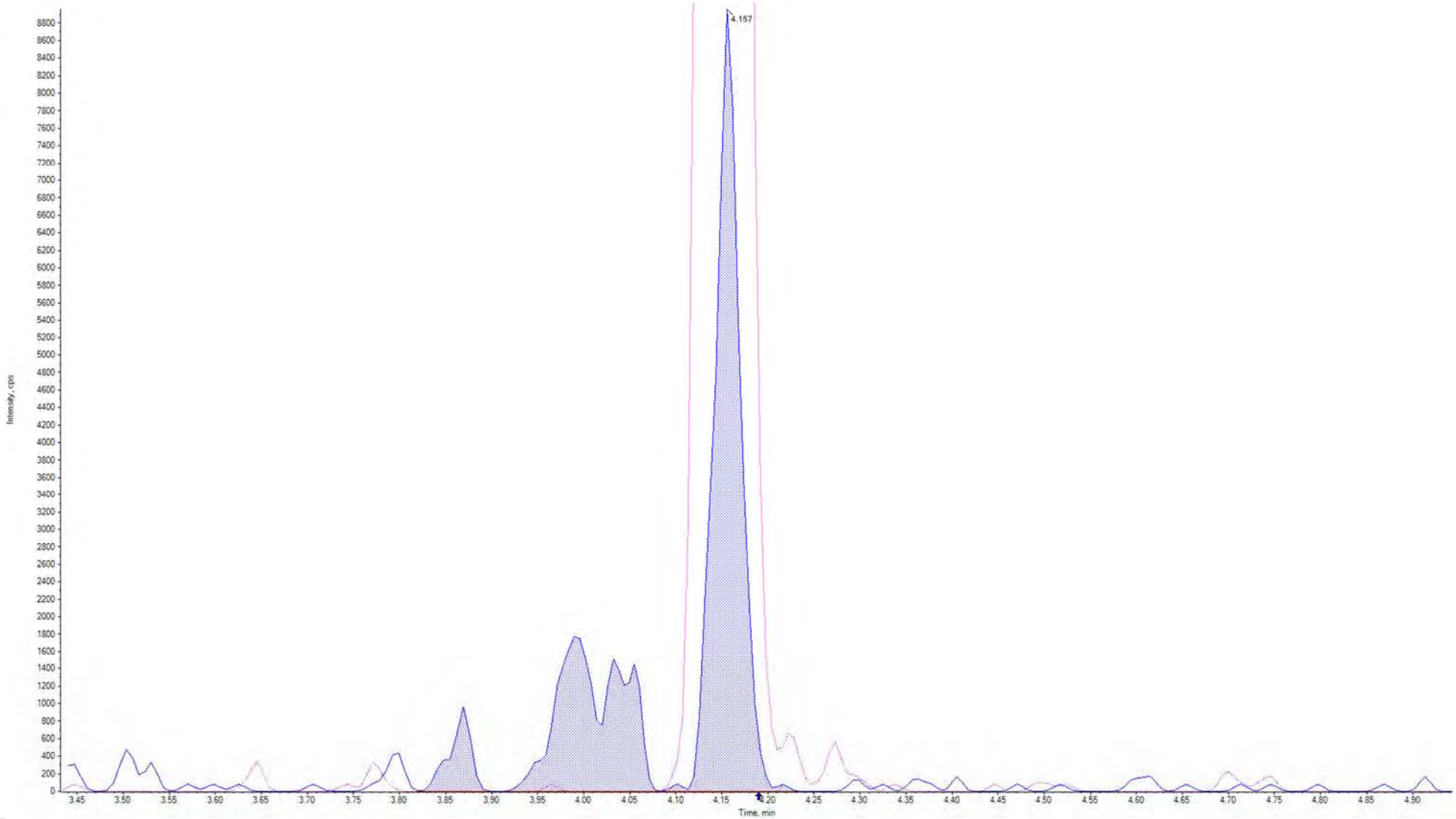
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250317\SCI07_250317_43.wiff2_6
Last Altered: 3/18/2025 9:34:10 AM
Generated: 3/17/2025 4:15:11 PM

PFHpS_2
Sample: L2512368-16RE S/N:N/A Points Across peak:N/A



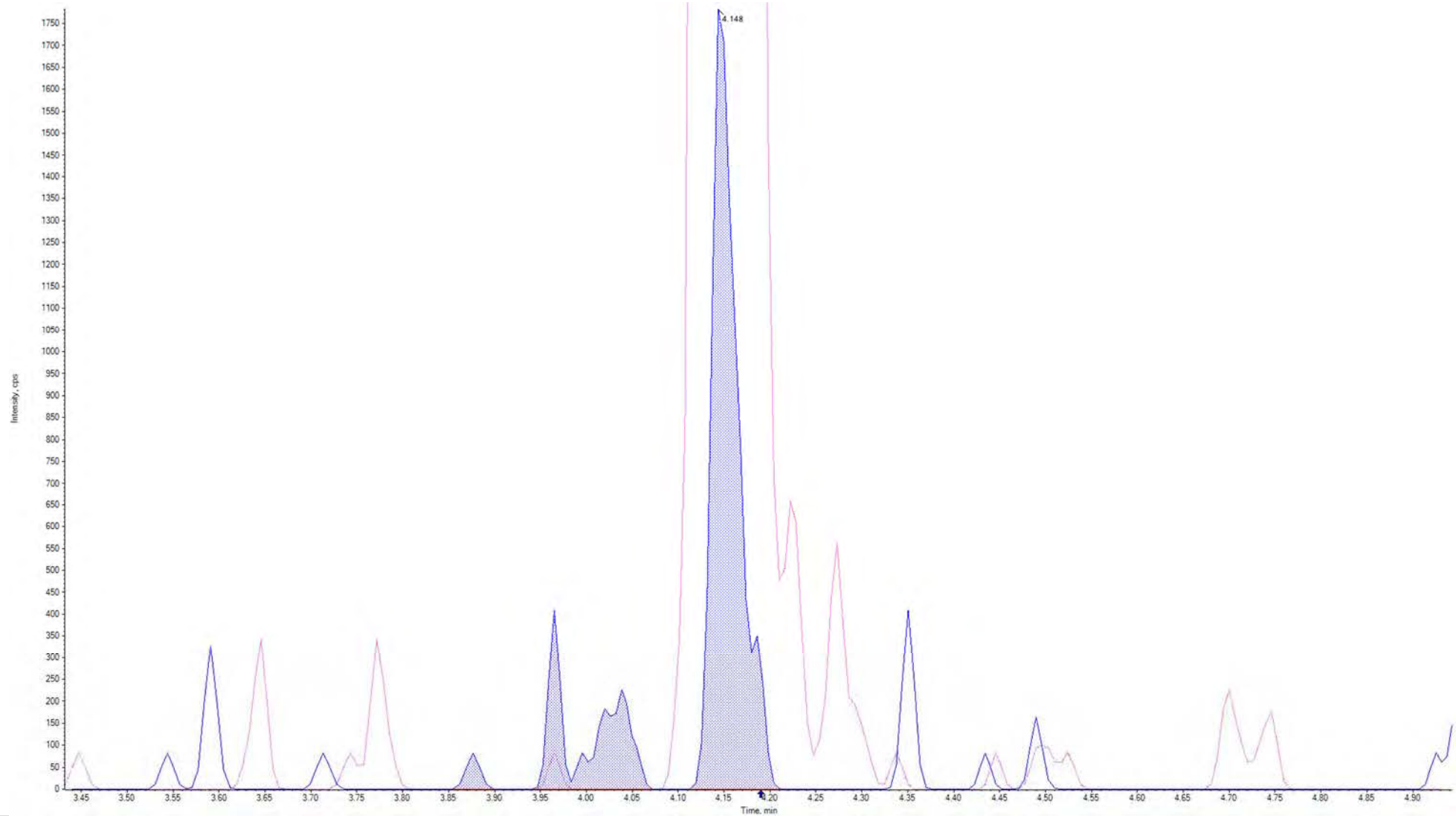
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250317\SCI07_250317_43.wiff2_6
Last Altered: 3/18/2025 9:34:10 AM
Generated: 3/17/2025 4:15:11 PM

PFOS
Sample: L2512368-16RE S/N:112.3 Points Across peak:68



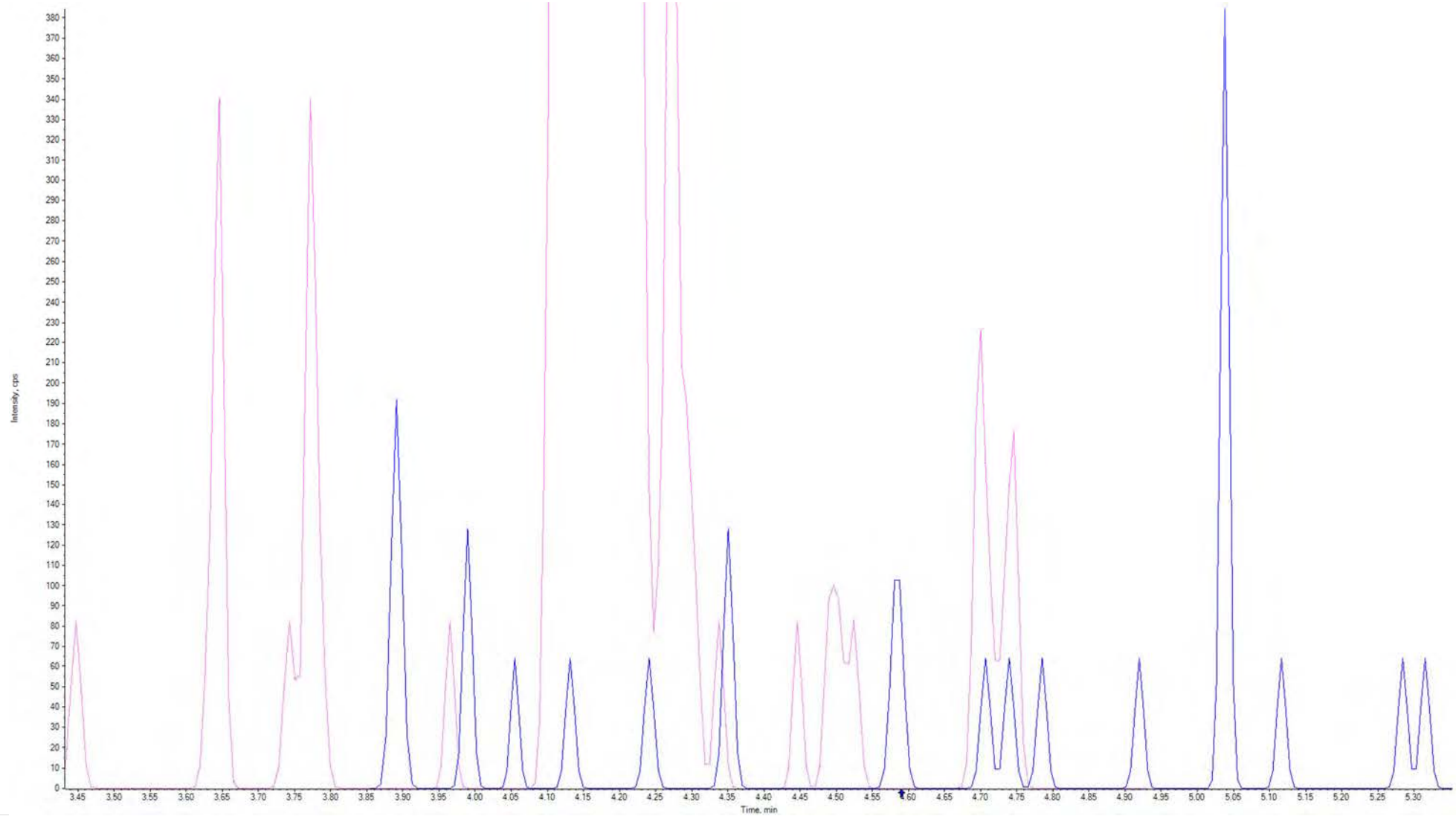
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250317\SCI07_250317_43.wiff2_6
Last Altered: 3/18/2025 9:34:10 AM
Generated: 3/17/2025 4:15:11 PM

PFOS_2
Sample: L2512368-16RE S/N:22.3 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\250317\SCI07_250317_43.wiff2_6
Last Altered: 3/18/2025 9:34:10 AM
Generated: 3/17/2025 4:15:11 PM

PFNS
Sample: L2512368-16RE 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\250317\SCI07_250317_43.wiff2_6
Last Altered: 3/18/2025 9:34:10 AM
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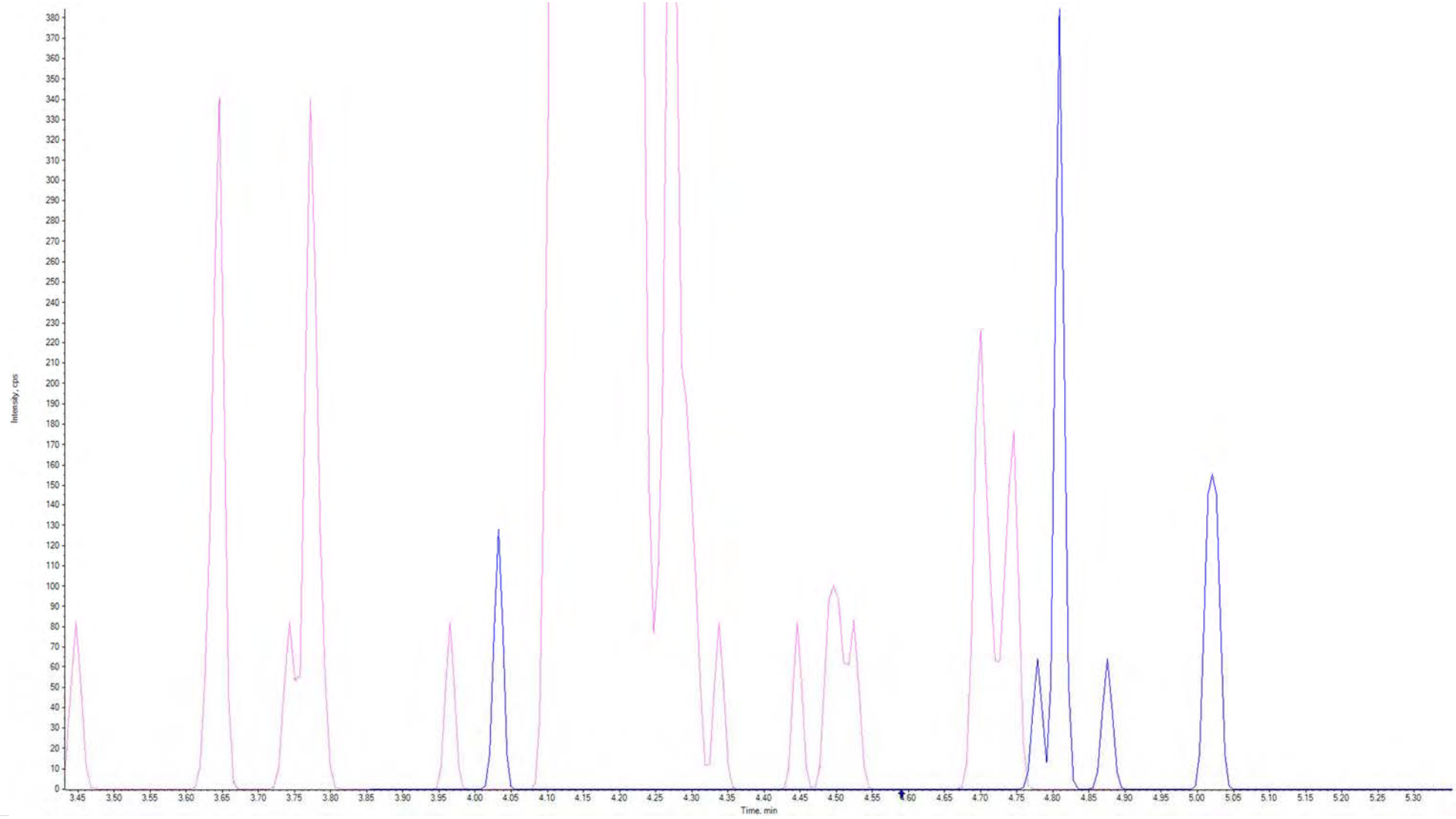
PFNS_2
Sample: L2512368-16RE S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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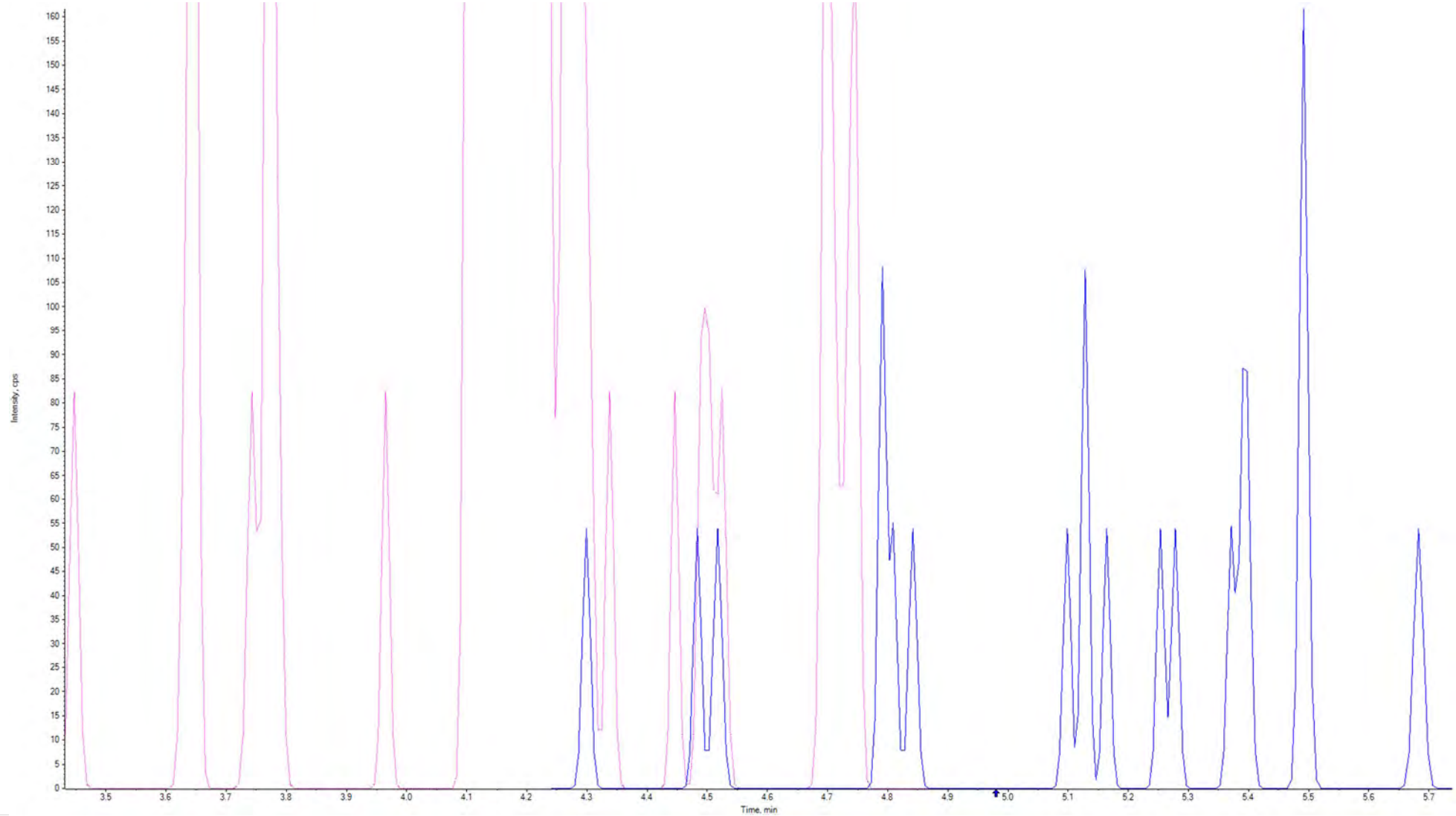
PFDS
Sample: L2512368-16RE S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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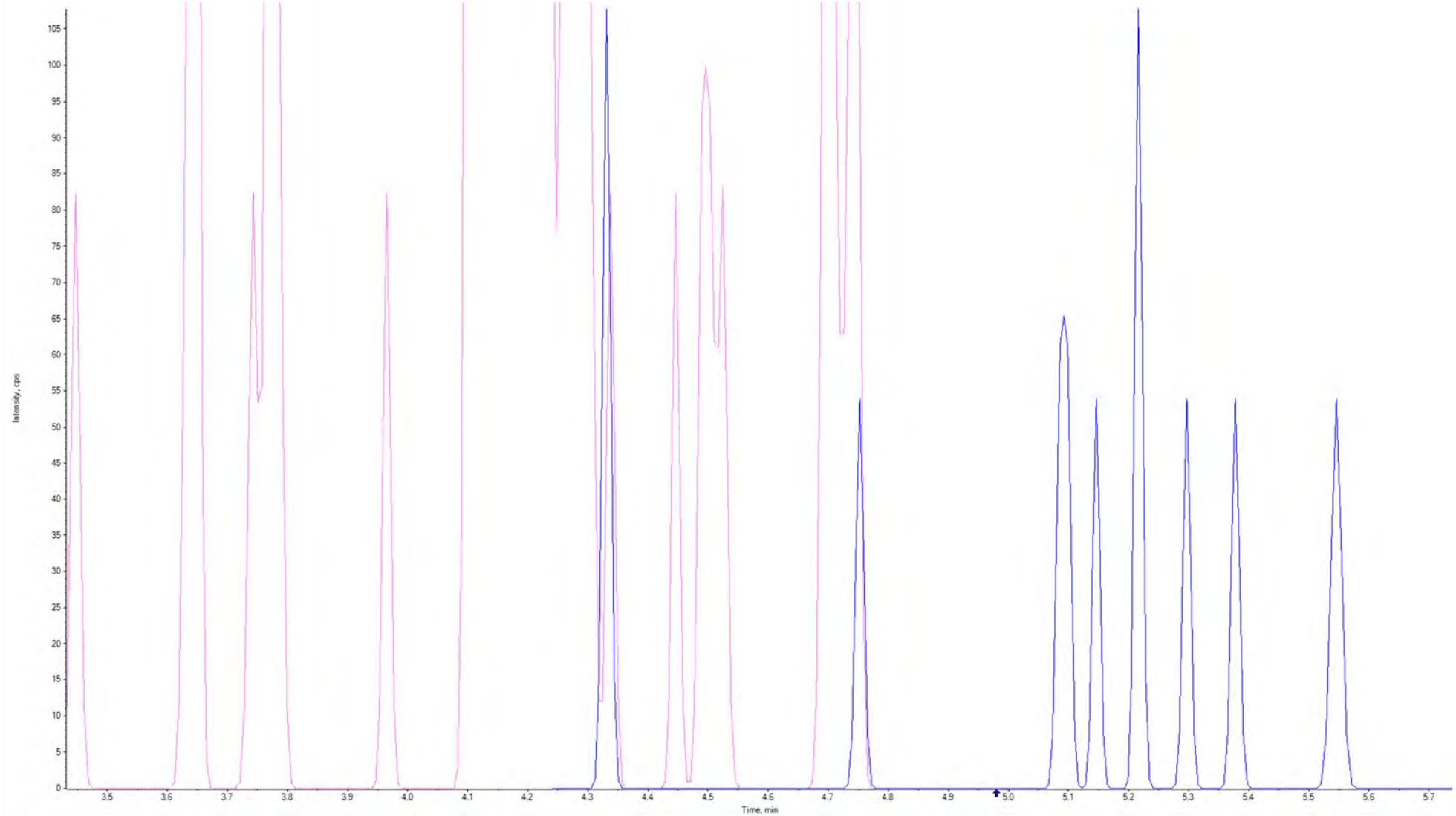
PFDS_2
Sample: L2512368-16RE S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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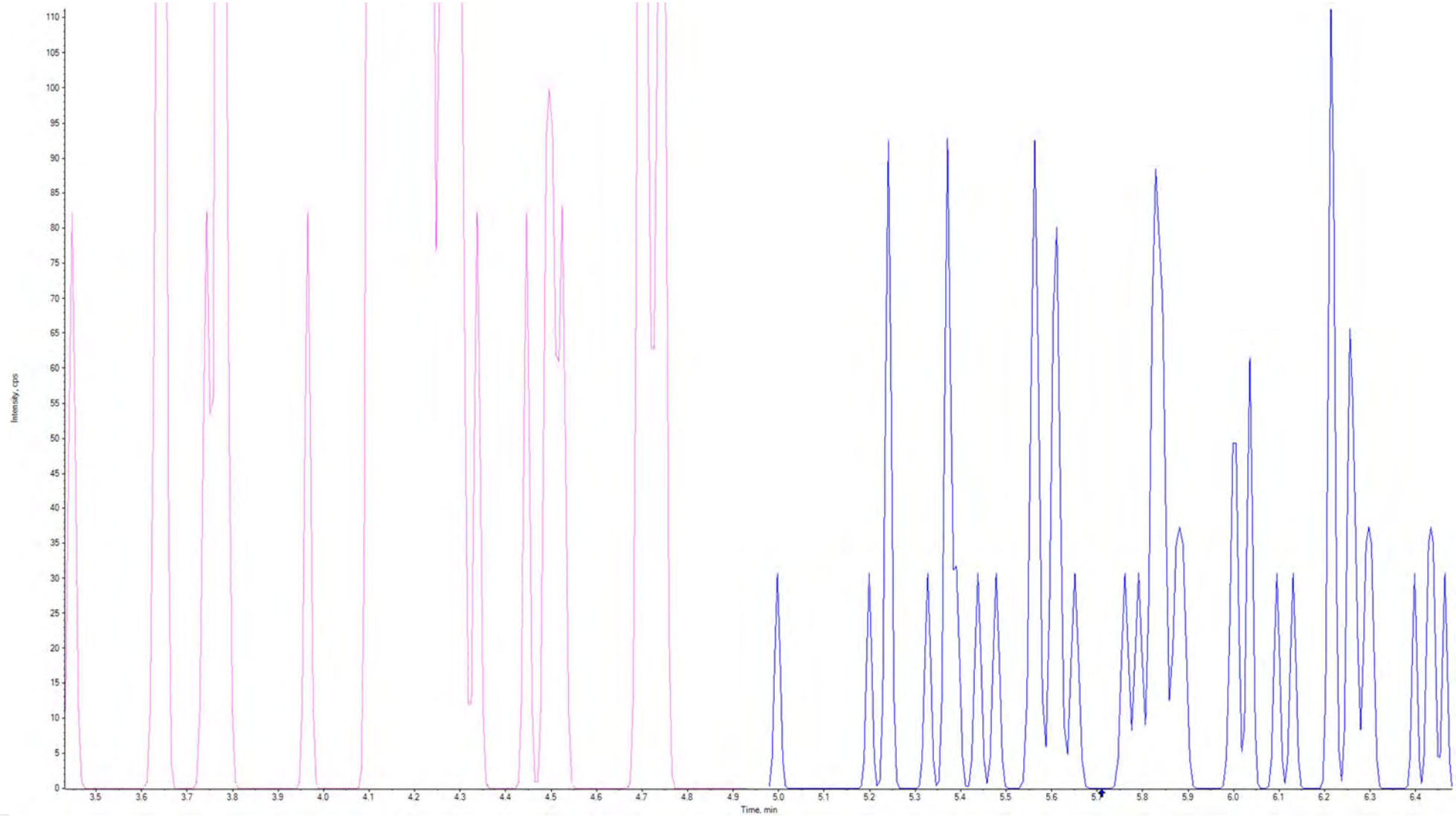
PFDoS
Sample: L2512368-16RE S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/18/2025 9:34:10 AM
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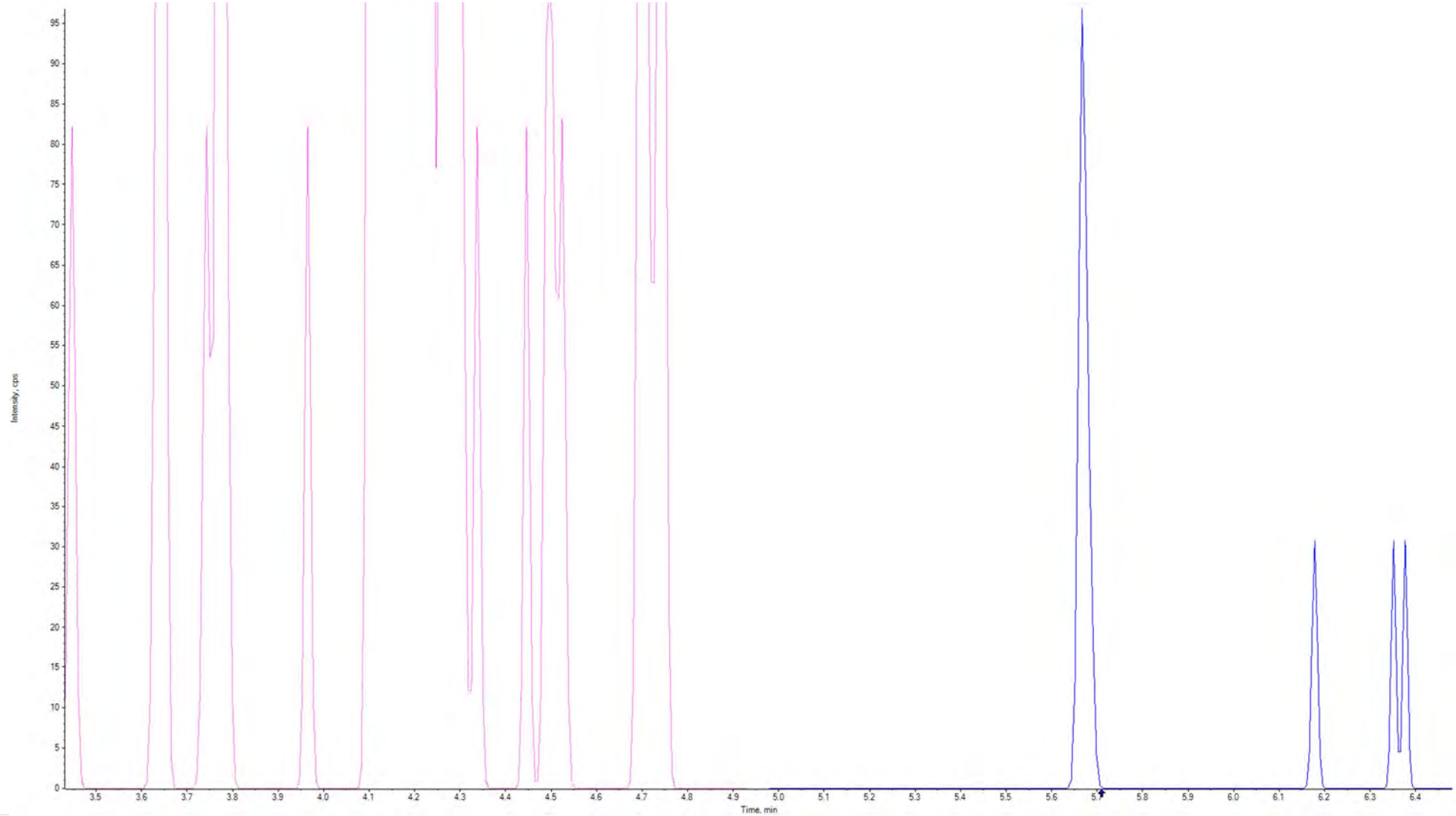
PFDoS_2
Sample: L2512368-16RE S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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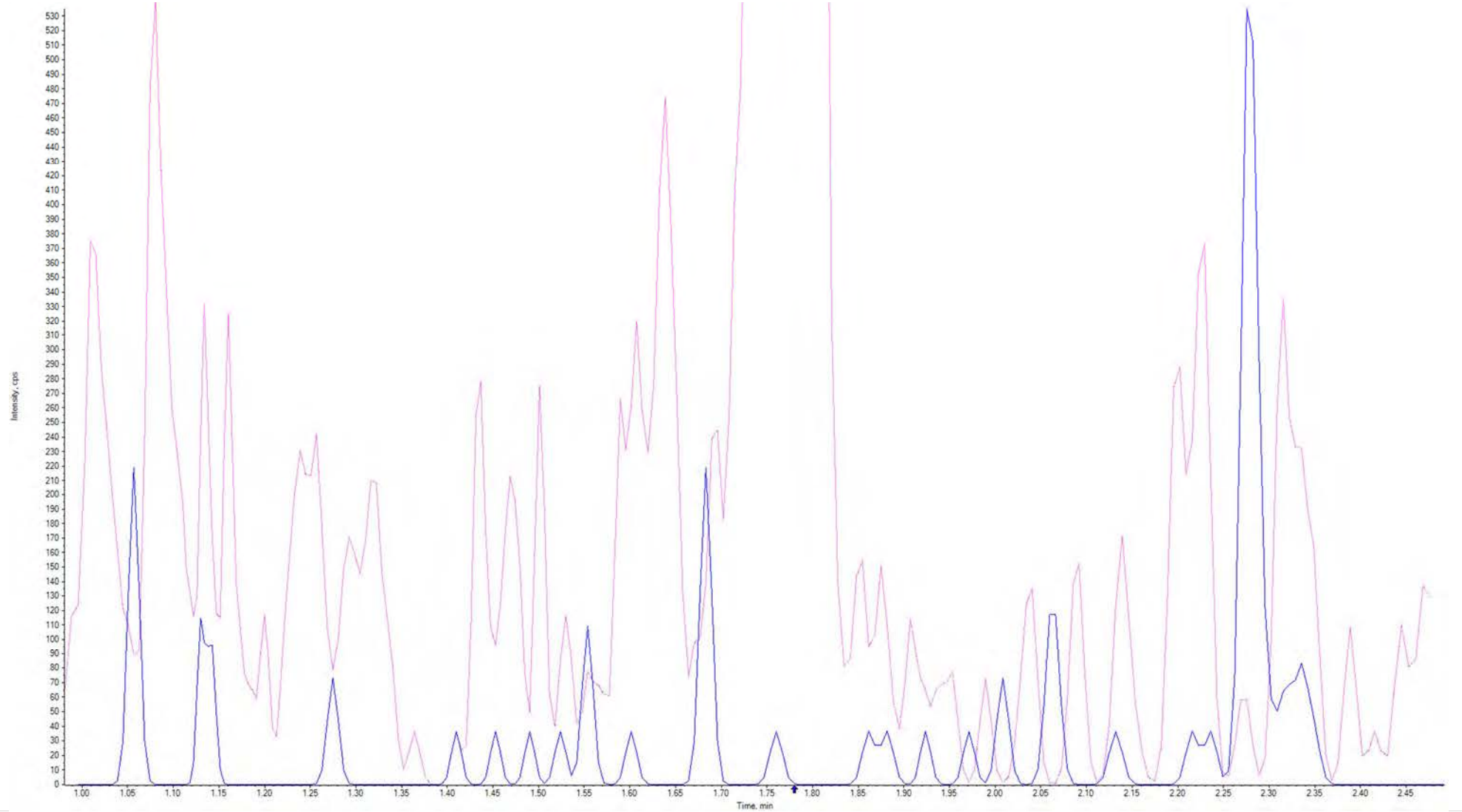
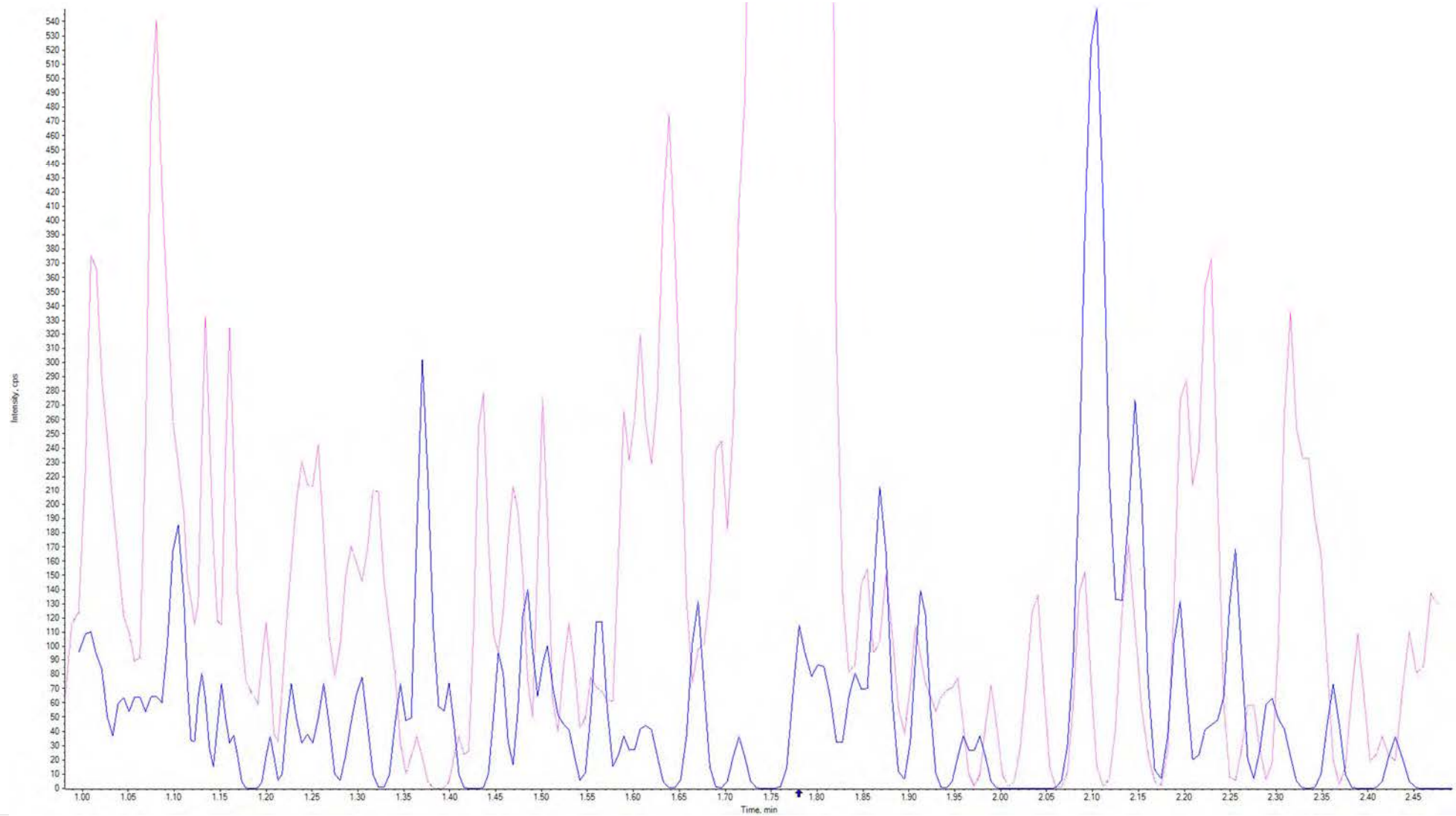
Last Altered: 3/18/2025 9:34:10 AM
Generated: 3/17/2025 4:15:11 PM

4:2FTS
Sample: L2512368-16RE 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\250317\SCI07_250317_43.wiff2_6
Last Altered: 3/18/2025 9:34:10 AM
Generated: 3/17/2025 4:15:11 PM

4:2FTS_2
Sample: L2512368-16RE 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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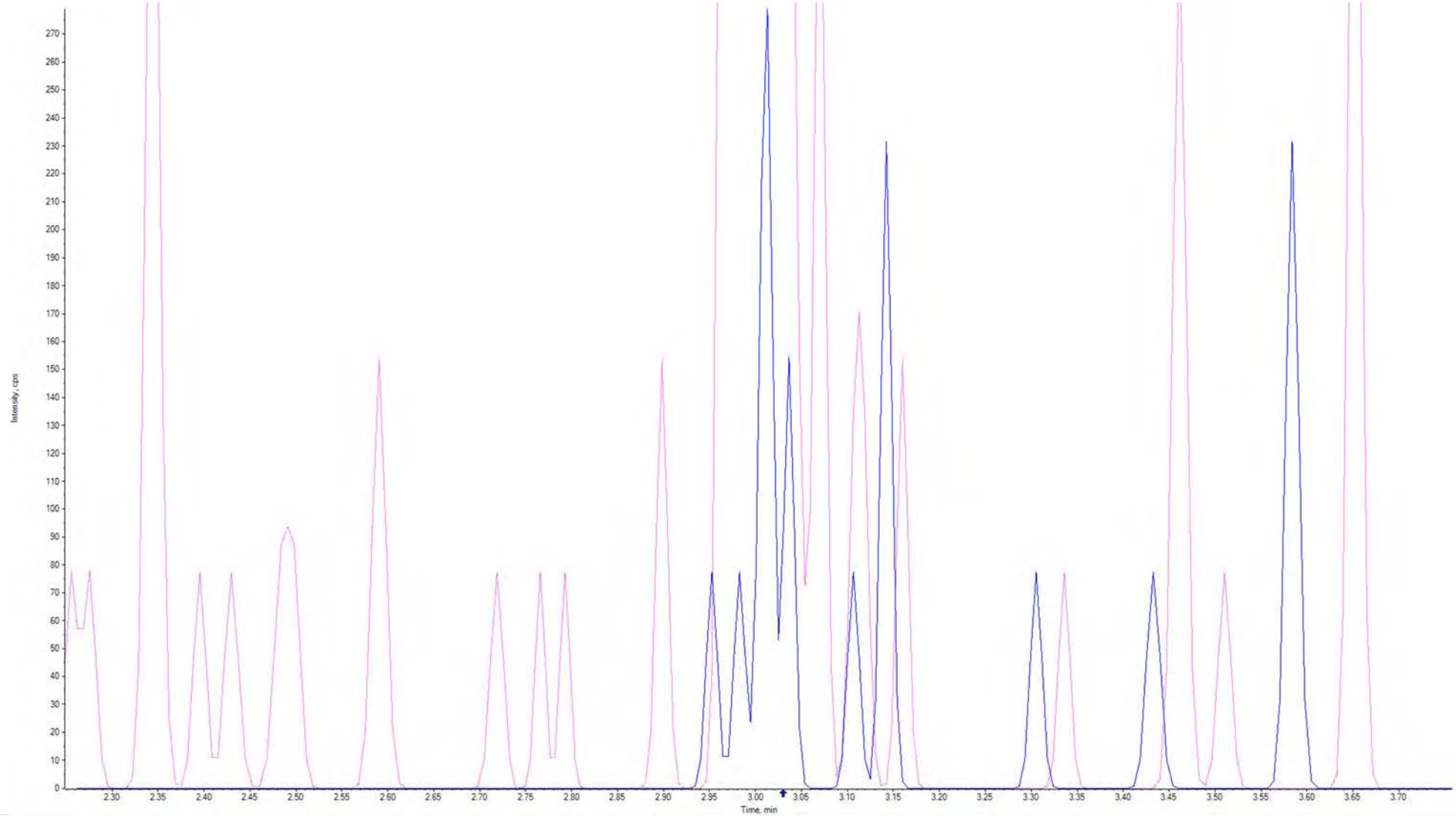
Last Altered: 3/18/2025 9:34:10 AM
Generated: 3/17/2025 4:15:11 PM

6:2FTS
Sample: L2512368-16RE 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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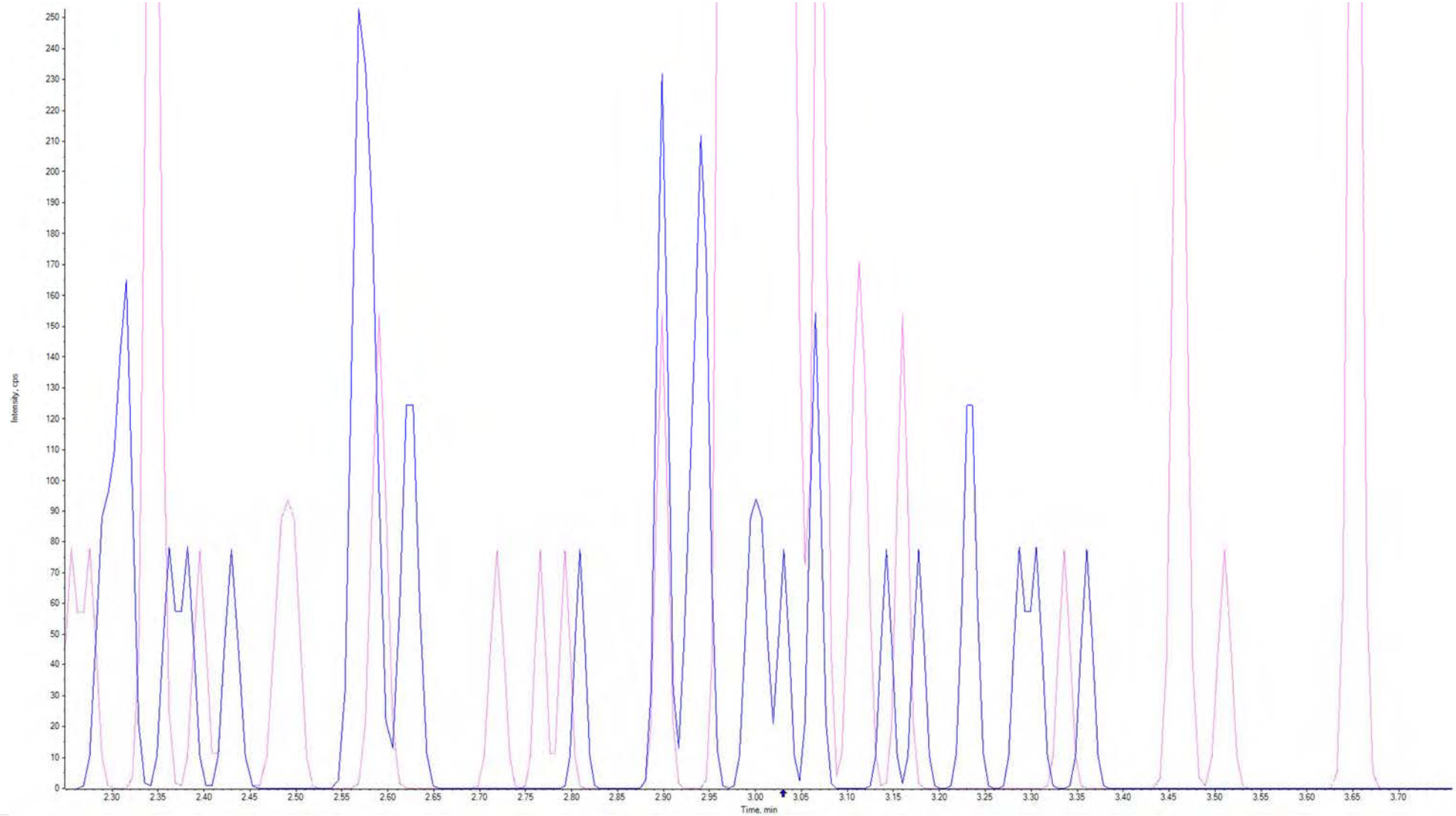
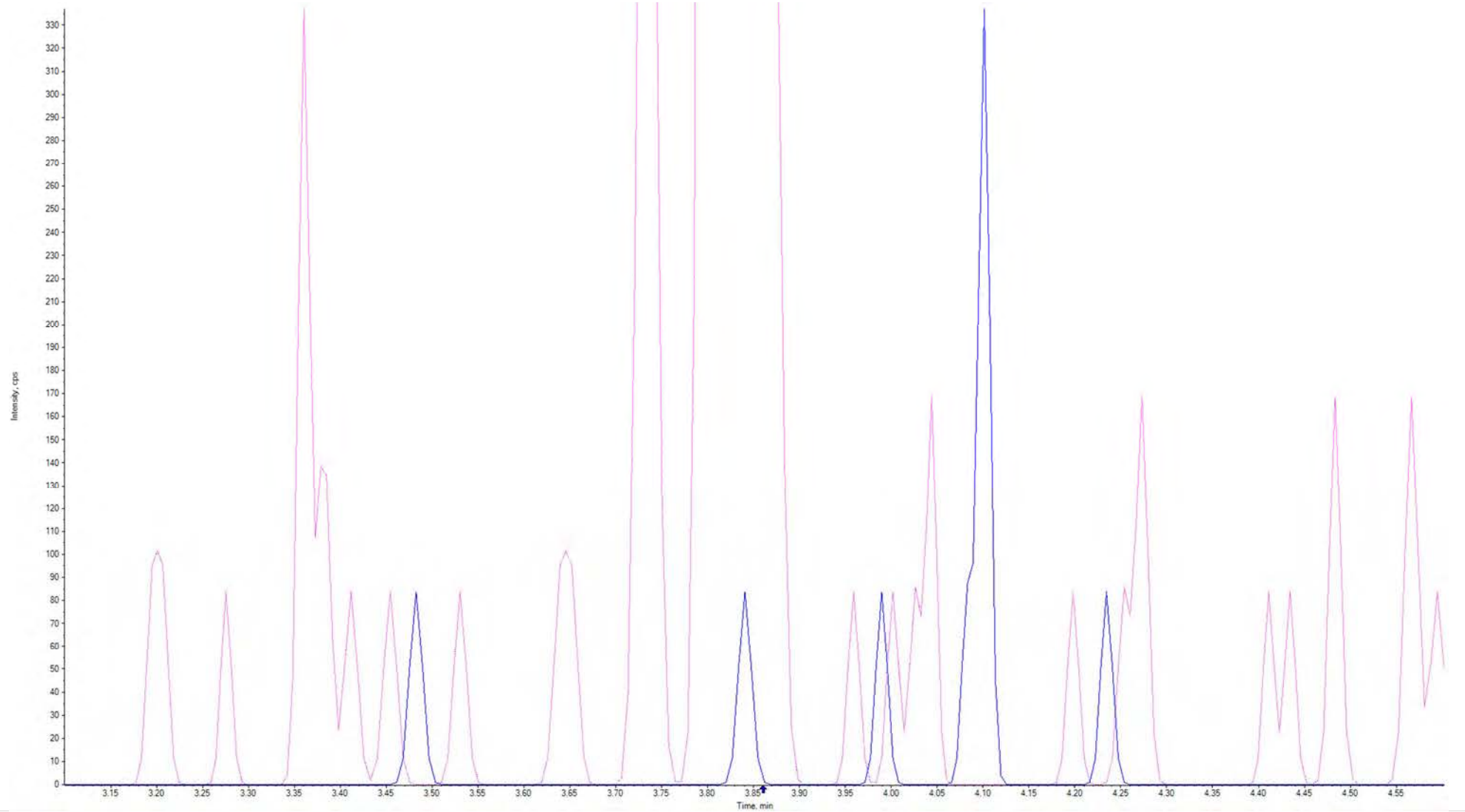
Last Altered: 3/18/2025 9:34:10 AM
Generated: 3/17/2025 4:15:11 PM

6:2FTS_2
Sample: L2512368-16RE S/N:N/A Points Across peak:N/A



8:2FTS
Sample: L2512368-16RE 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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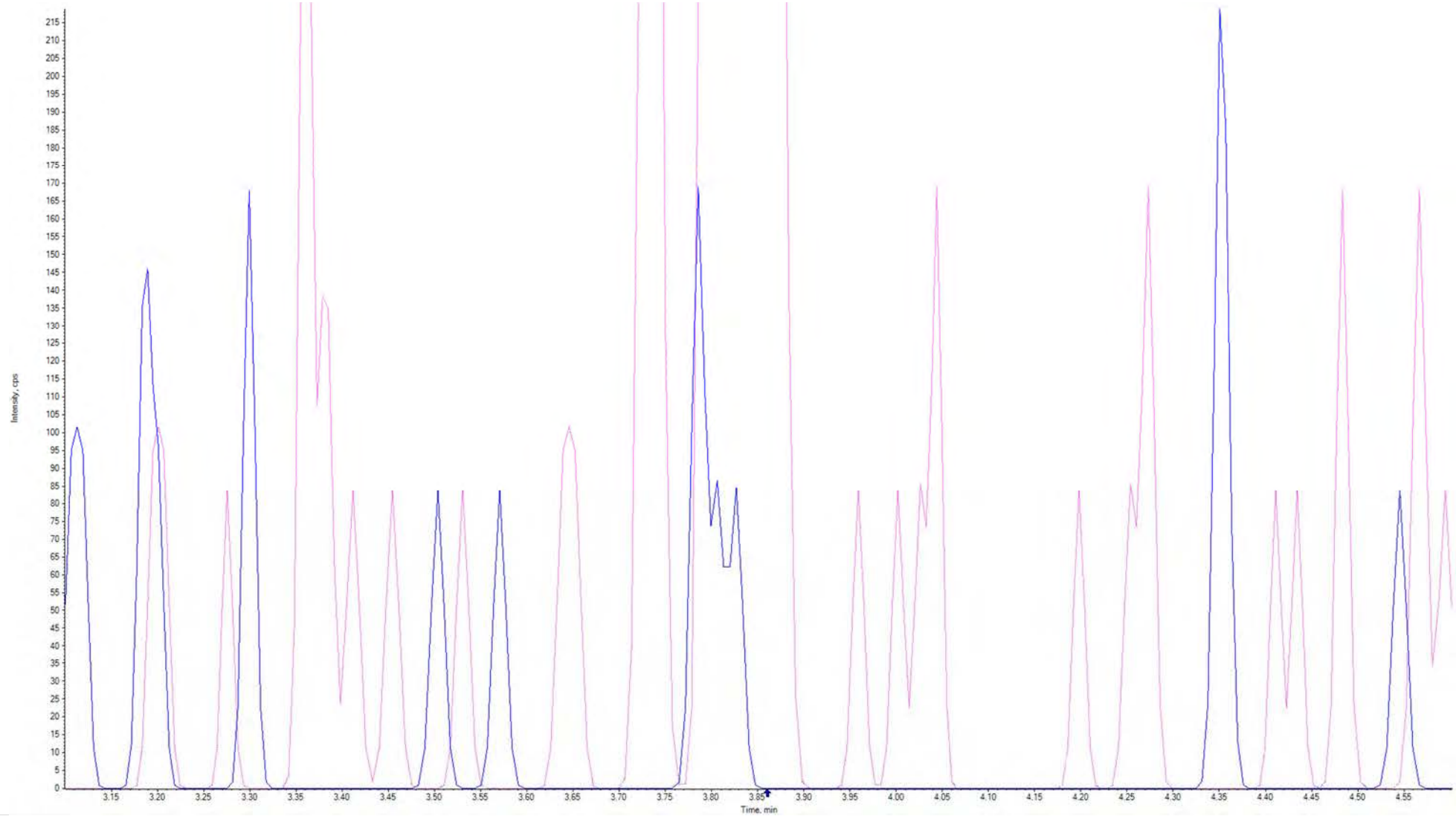
8:2FTS_2
Sample: L2512368-16RE S/N:N/A Points Across peak:N/A



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Last Altered: 3/18/2025 9:34:10 AM
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PFOSA
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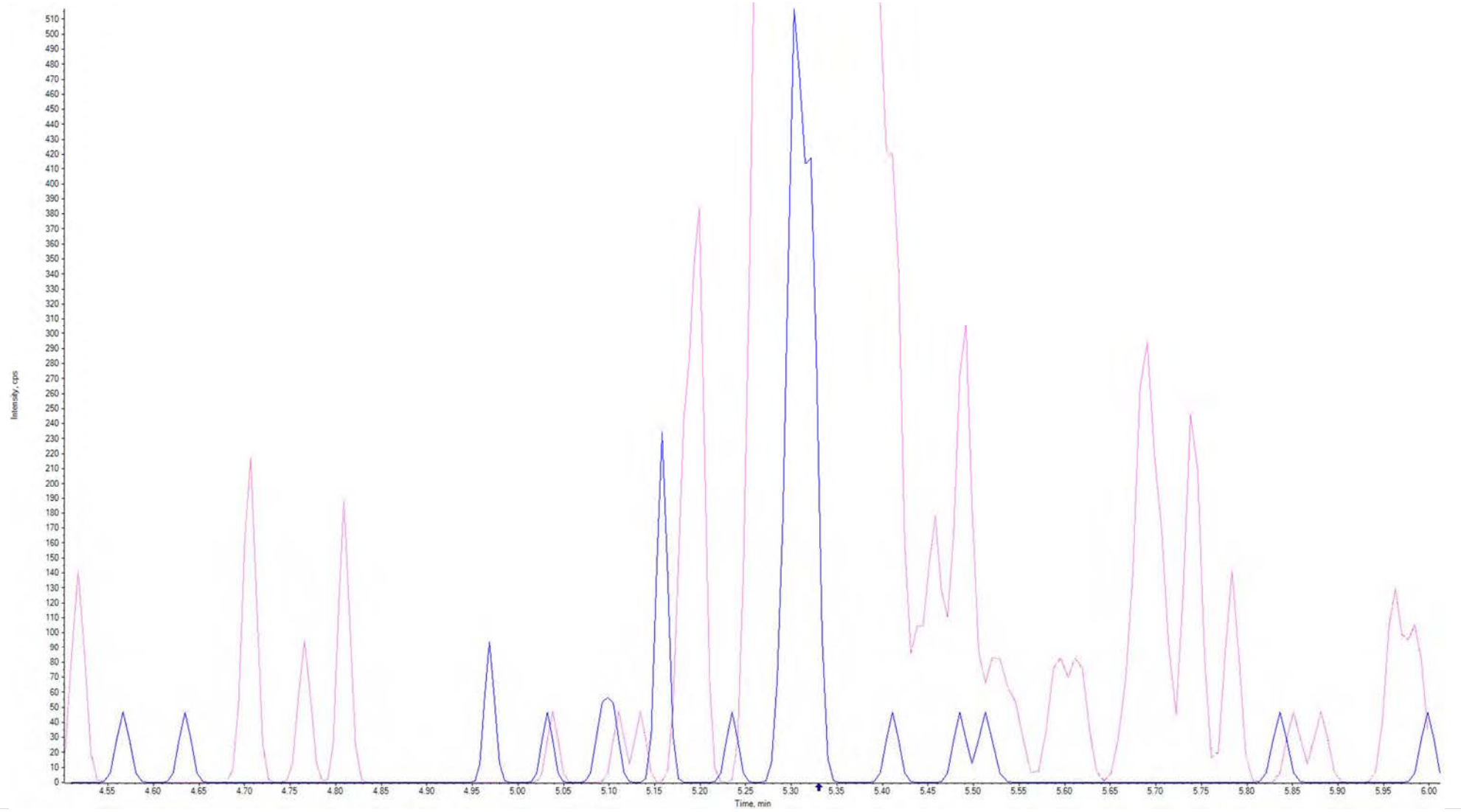

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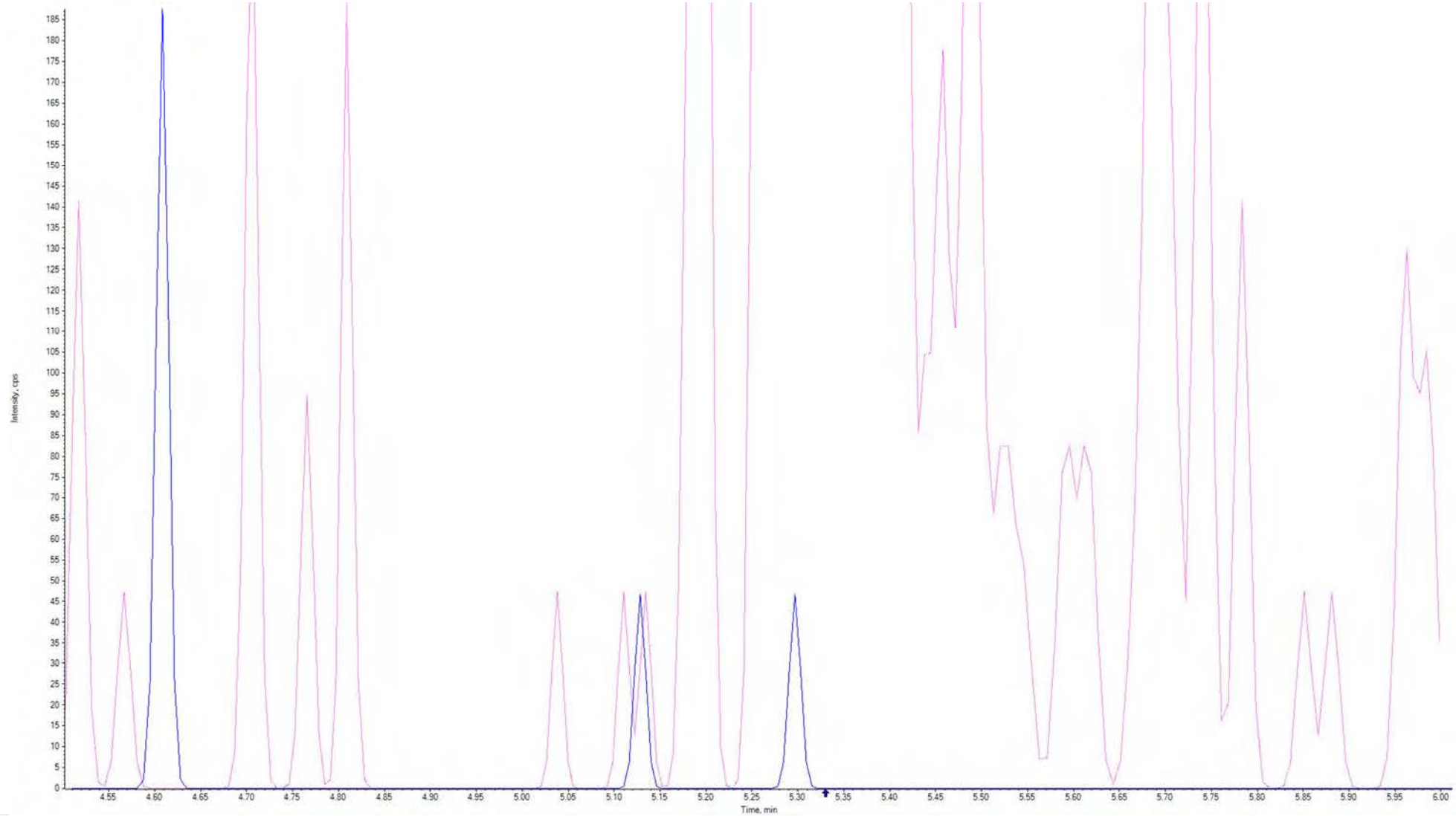
PFOSA_2
Sample: L2512368-16RE S/N:N/A Points Across peak:N/A



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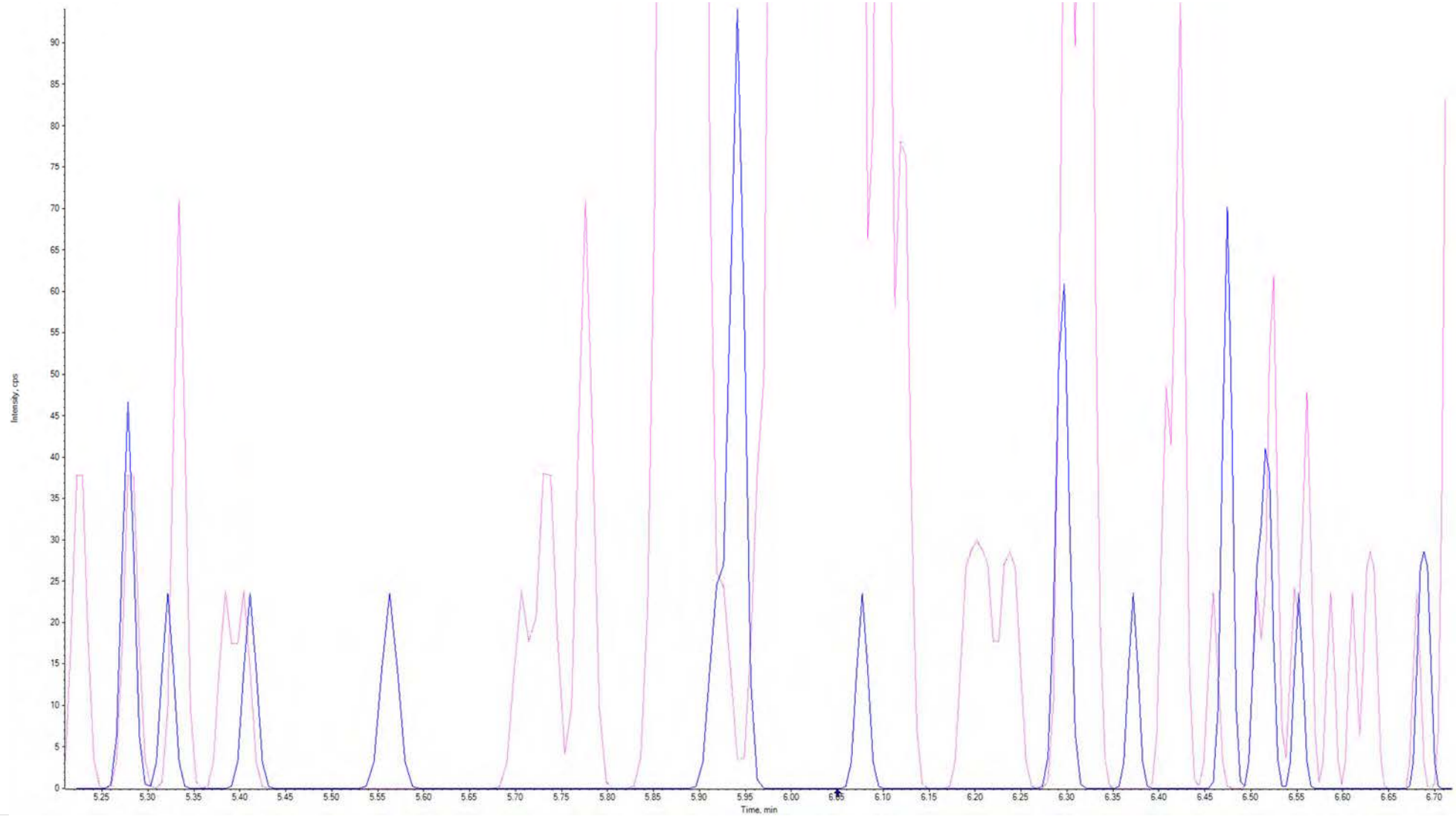
NMeFOSA
Sample: L2512368-16RE S/N:N/A Points Across peak:N/A



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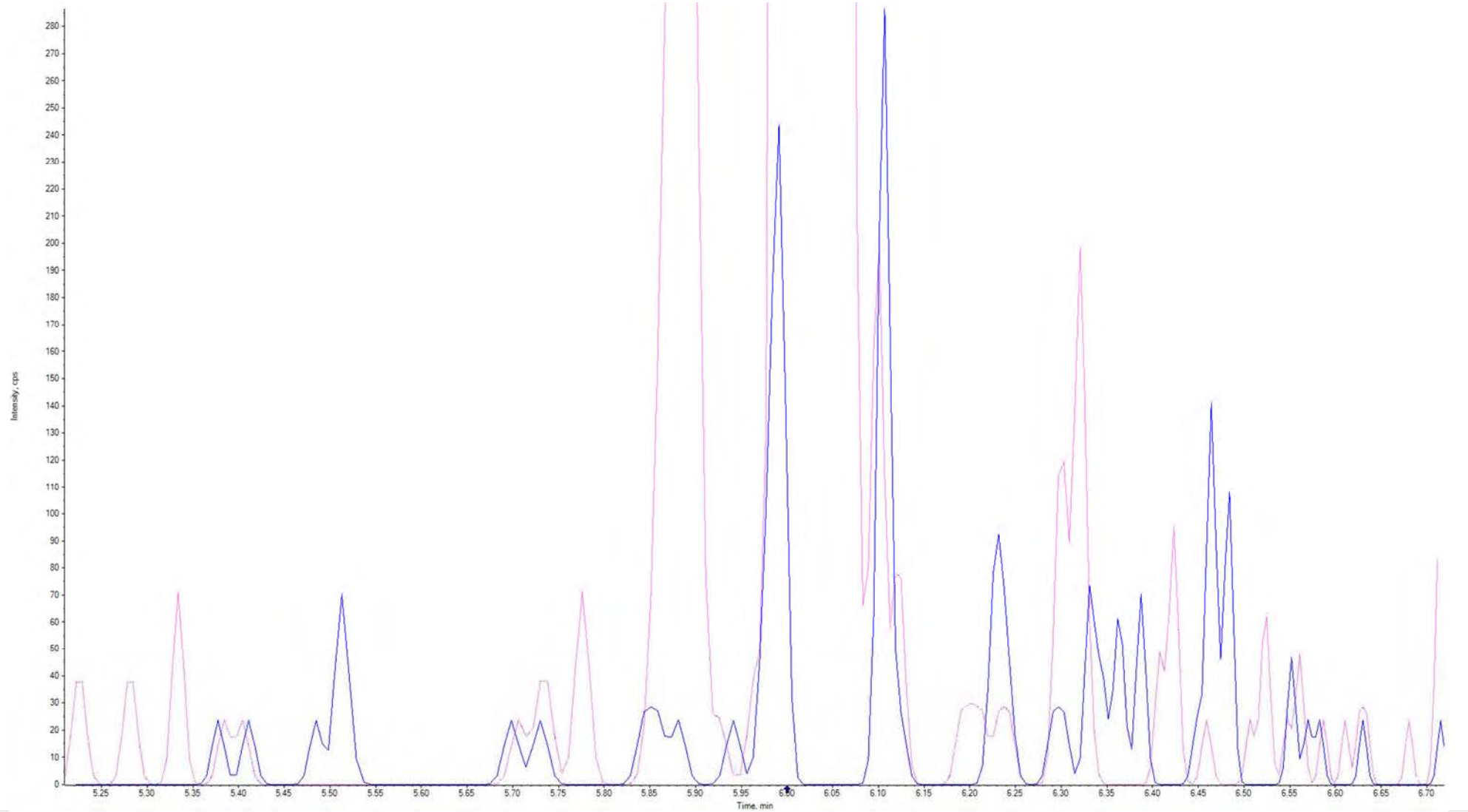
NMeFOSA_2
Sample: L2512368-16RE S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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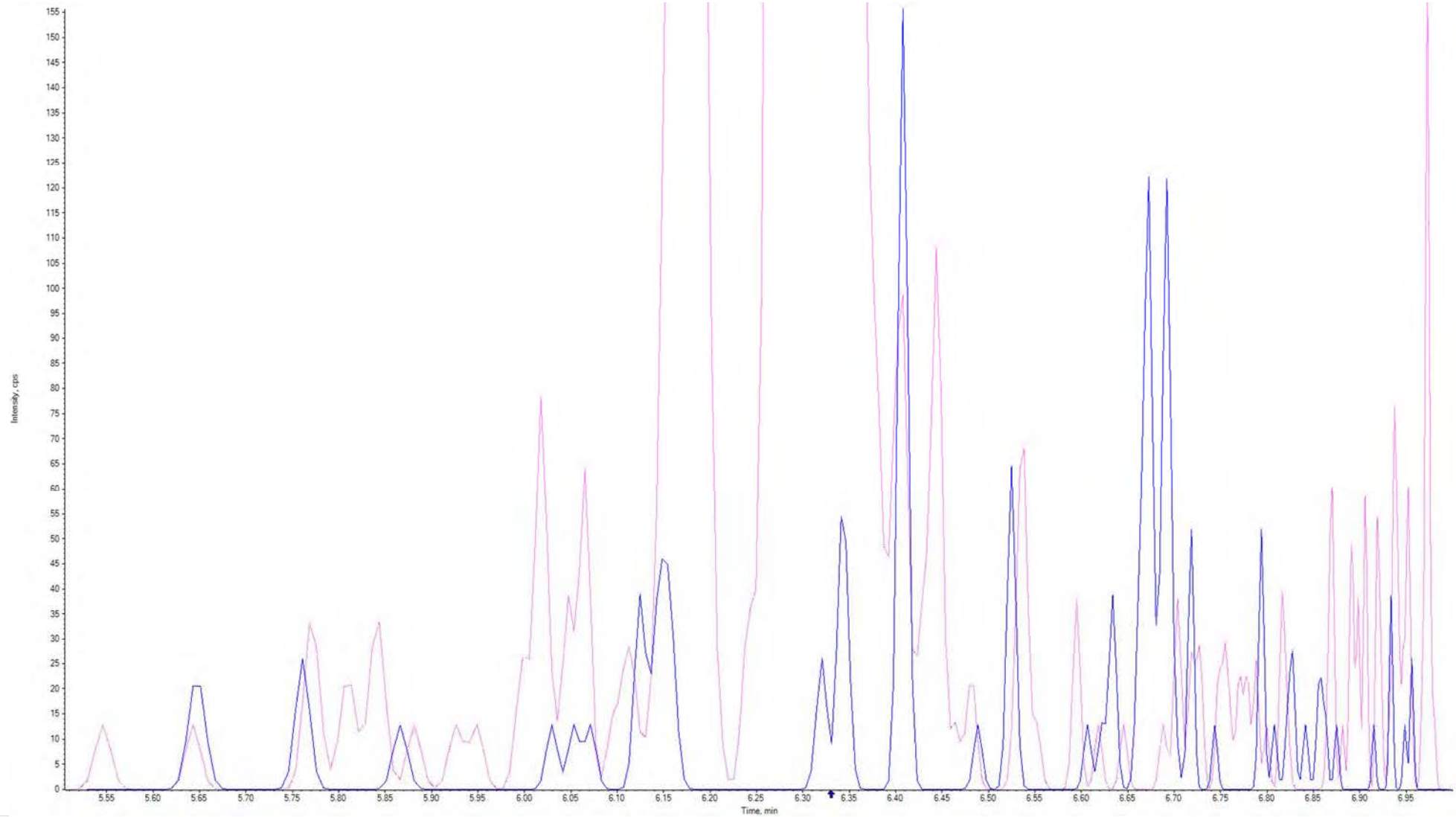
NEtFOSA
Sample: L2512368-16RE S/N:N/A Points Across peak:N/A



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NEtFOSA_2
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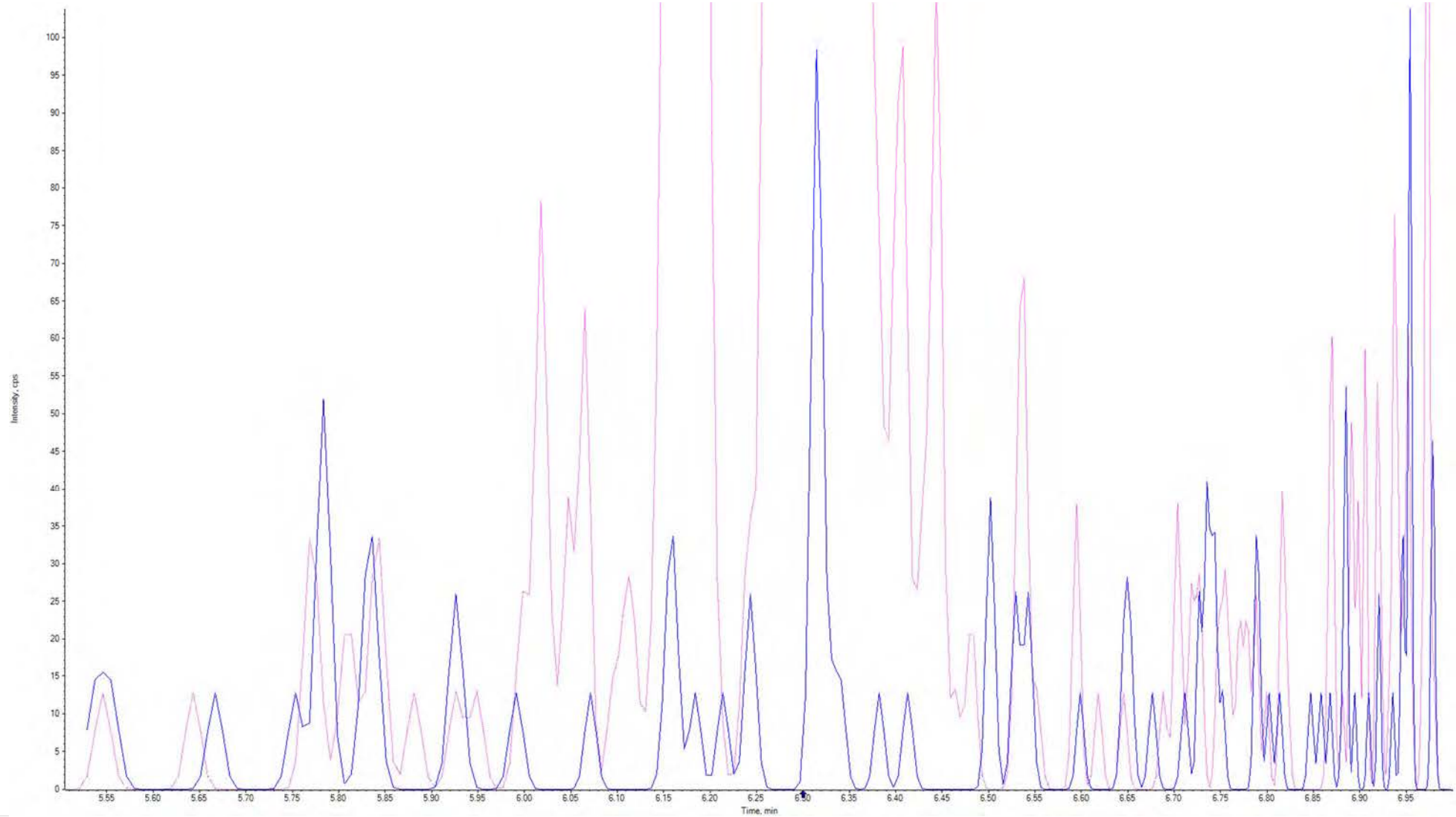

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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NMeFOSAA
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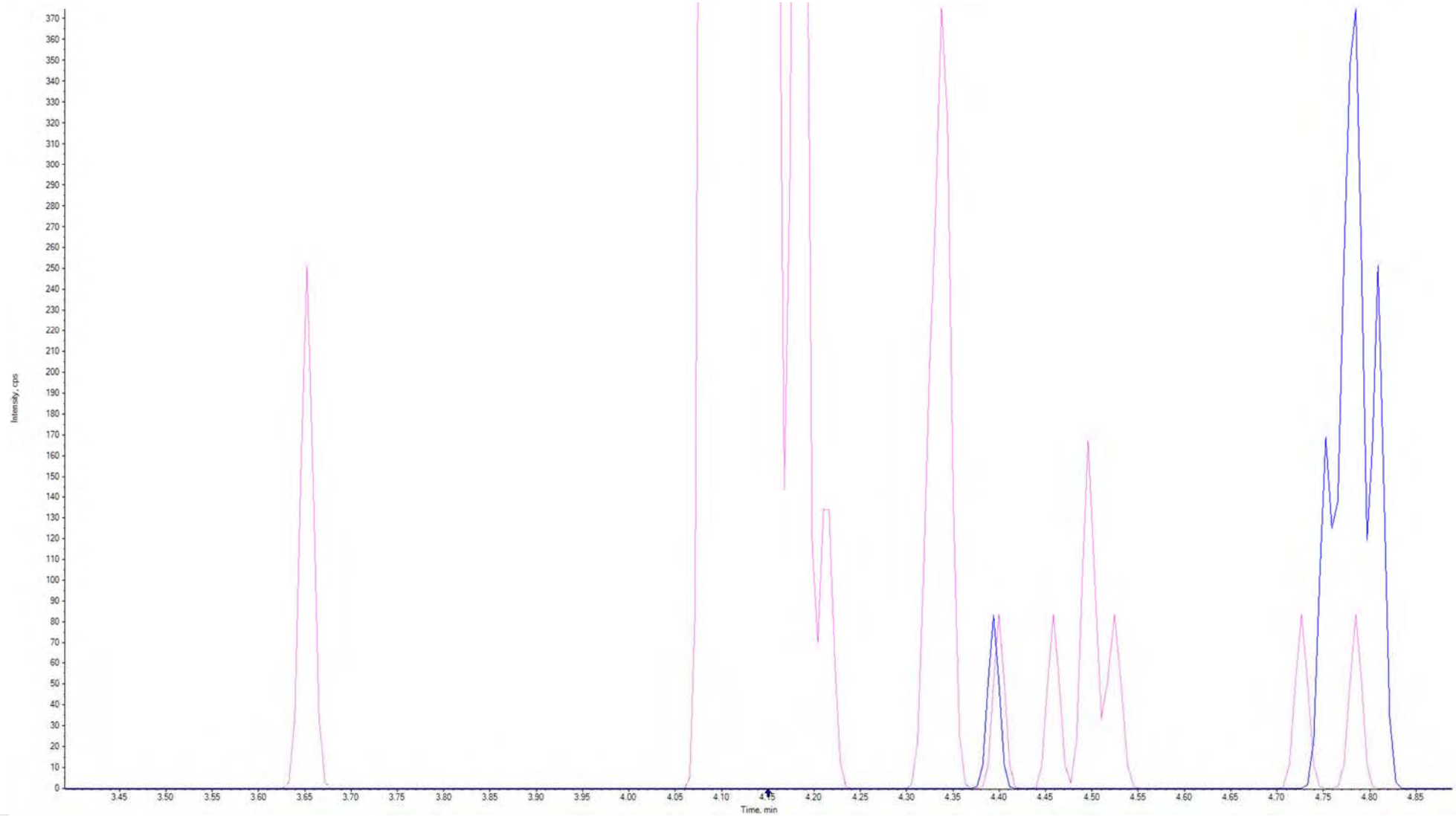

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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NMeFOSAA_2
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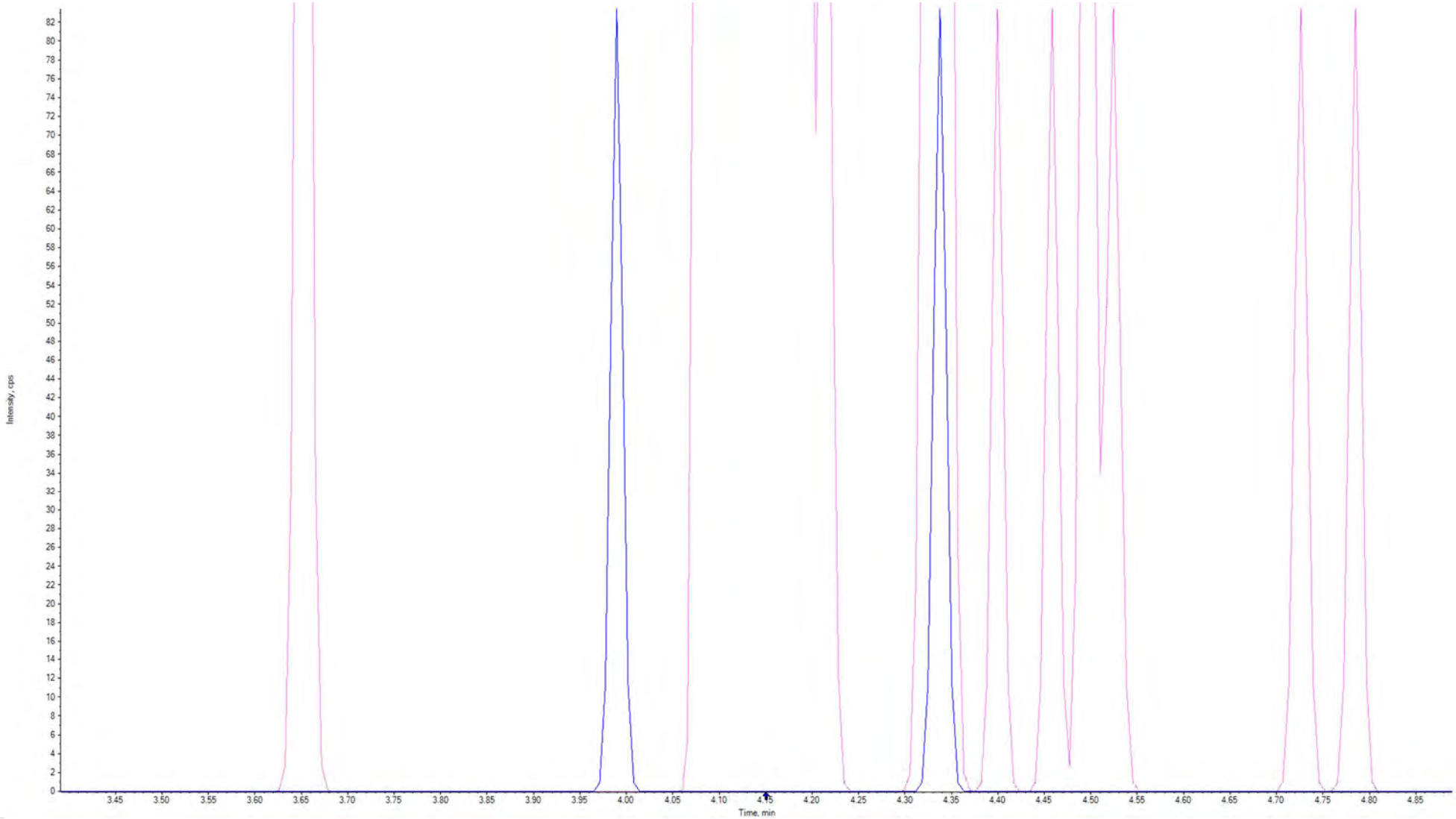

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NEtFOSAA
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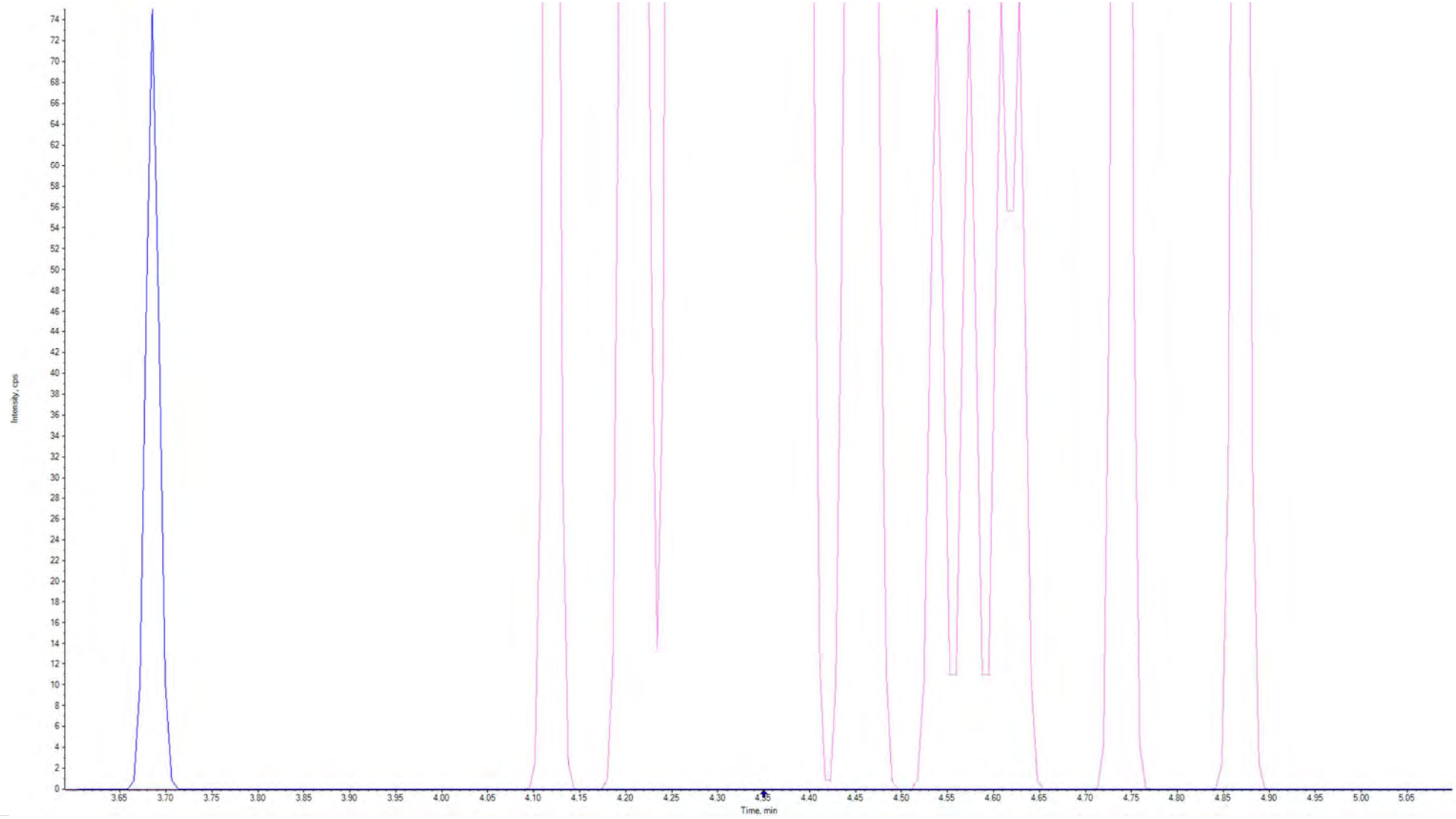

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NEtFOSAA_2
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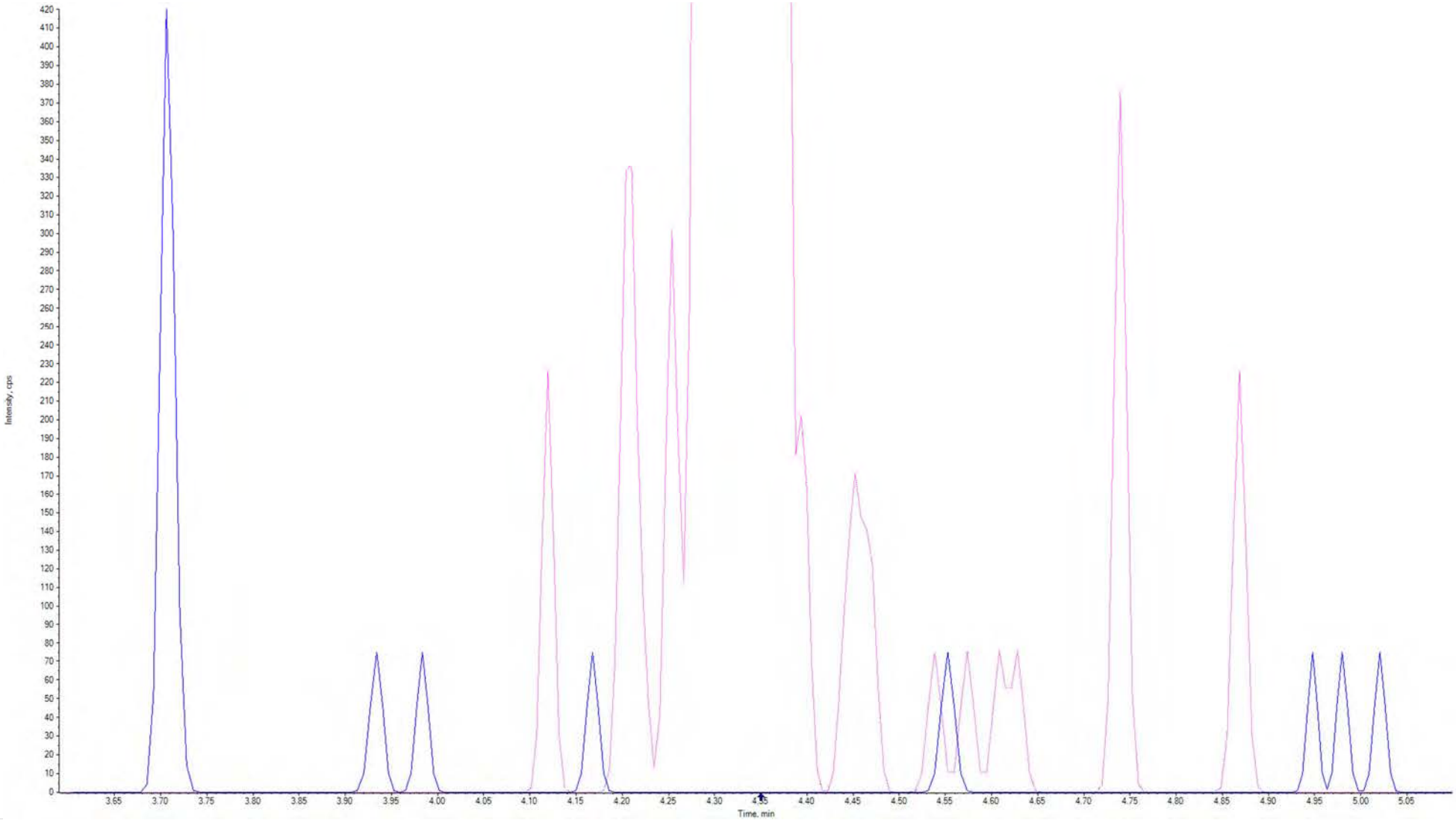
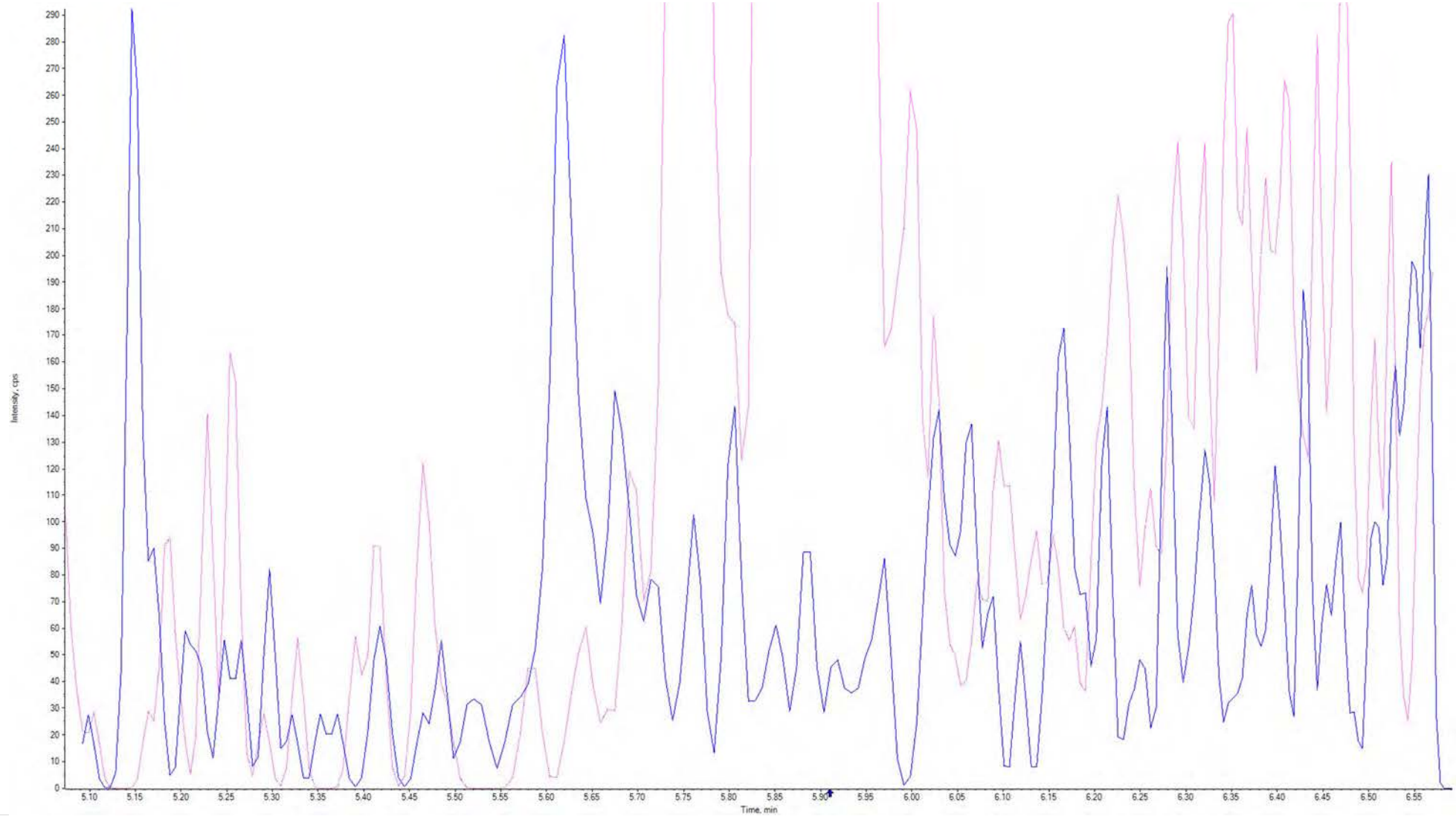


NMeFOSE
Sample: L2512368-16RE S/N:N/A Points Across peak:N/A



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NEtFOSE
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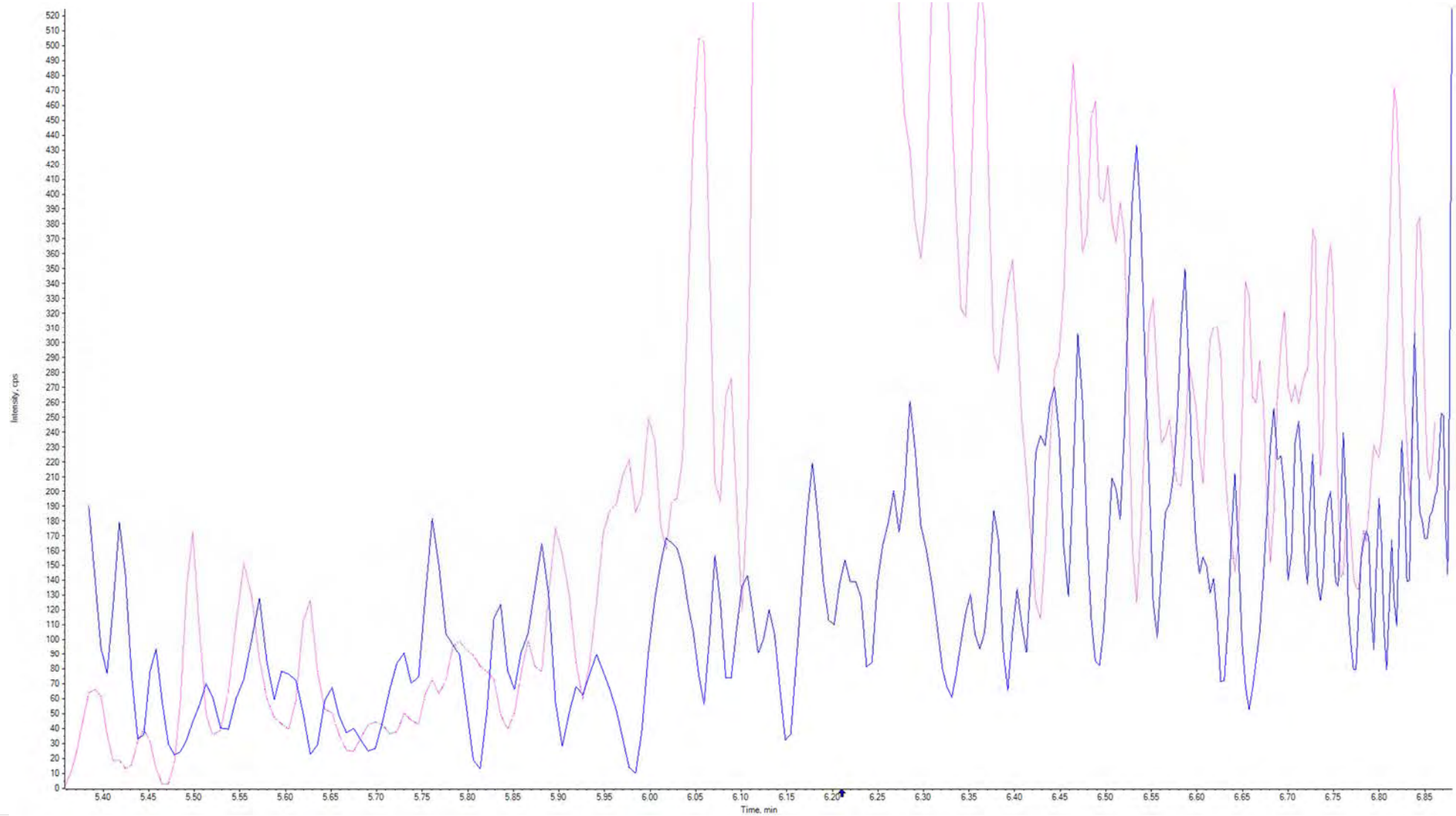

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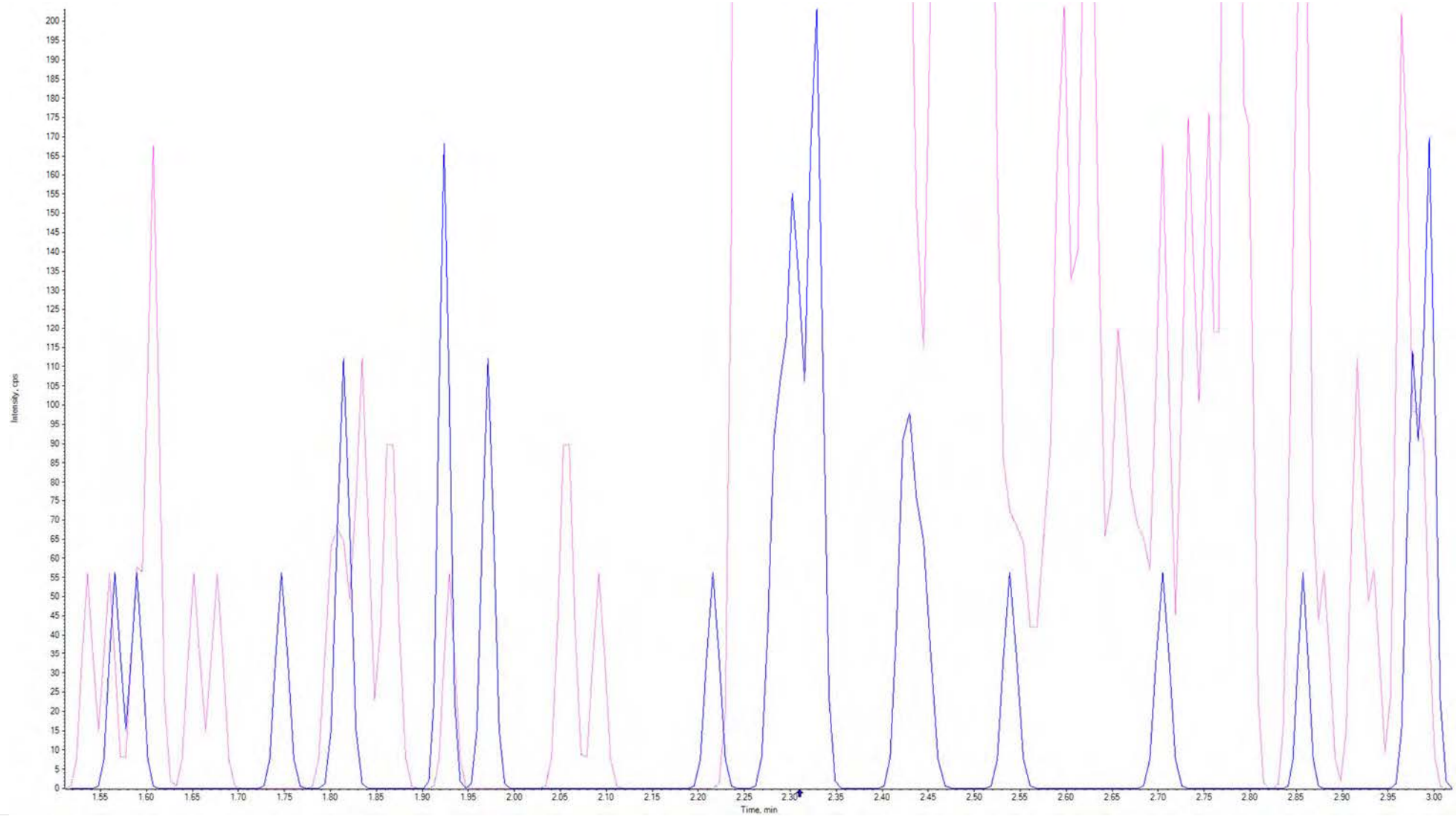
HFPO-DA
Sample: L2512368-16RE S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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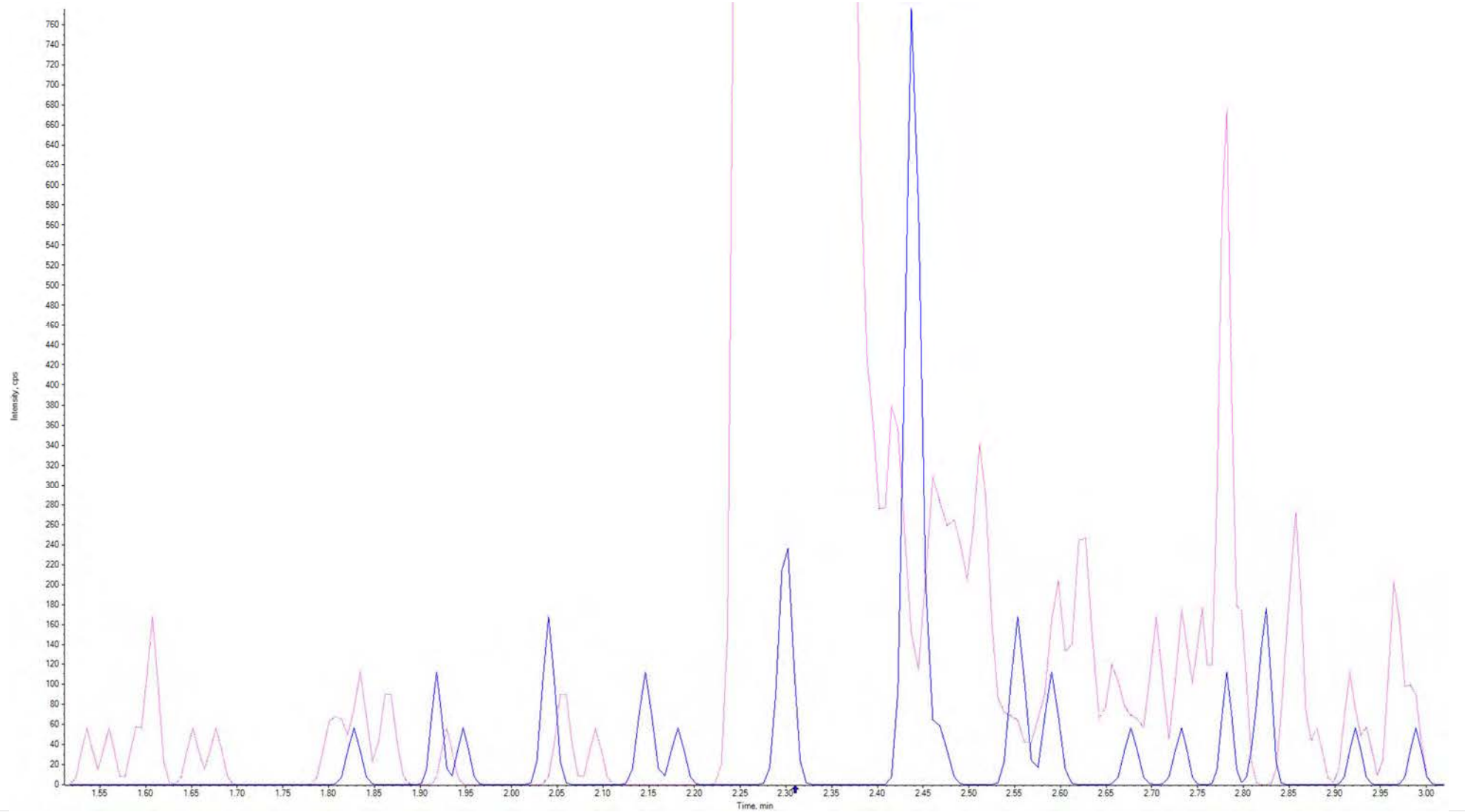
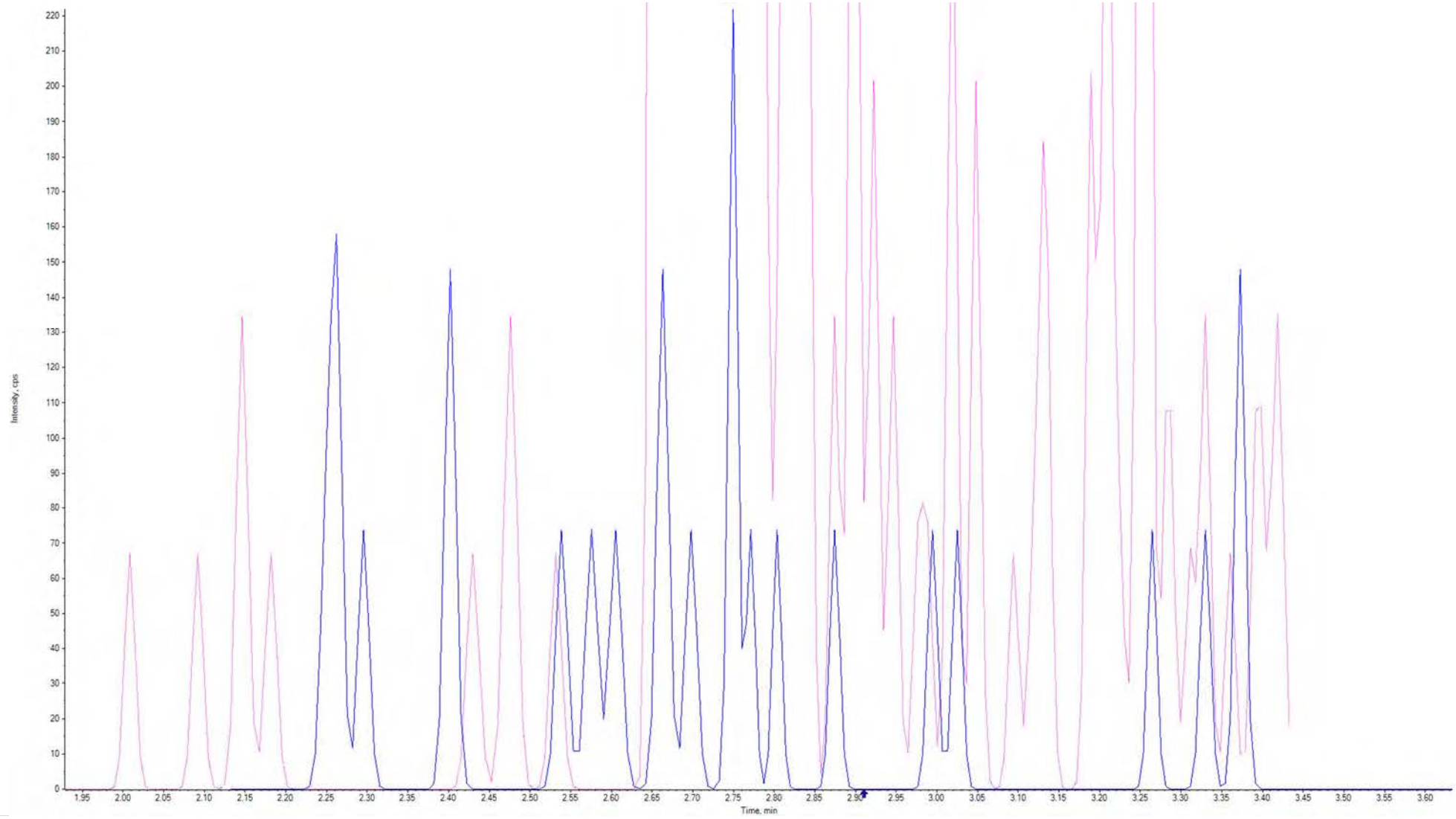
HFPO-DA_2
Sample: L2512368-16RE S/N:N/A Points Across peak:N/A



ADONA
Sample: L2512368-16RE 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: 3/18/2025 9:34:10 AM
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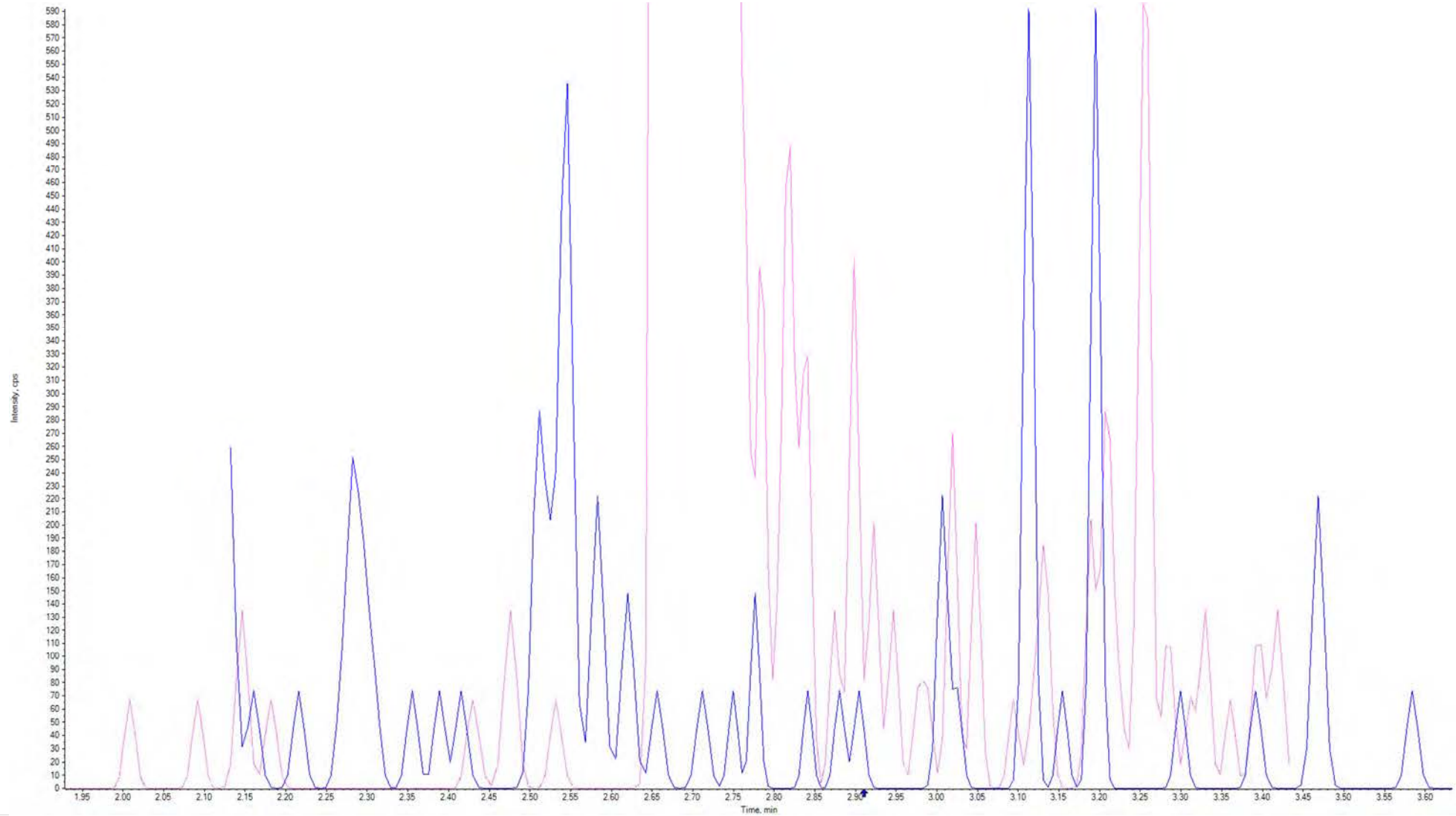
ADONA_2
Sample: L2512368-16RE S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/18/2025 9:34:10 AM
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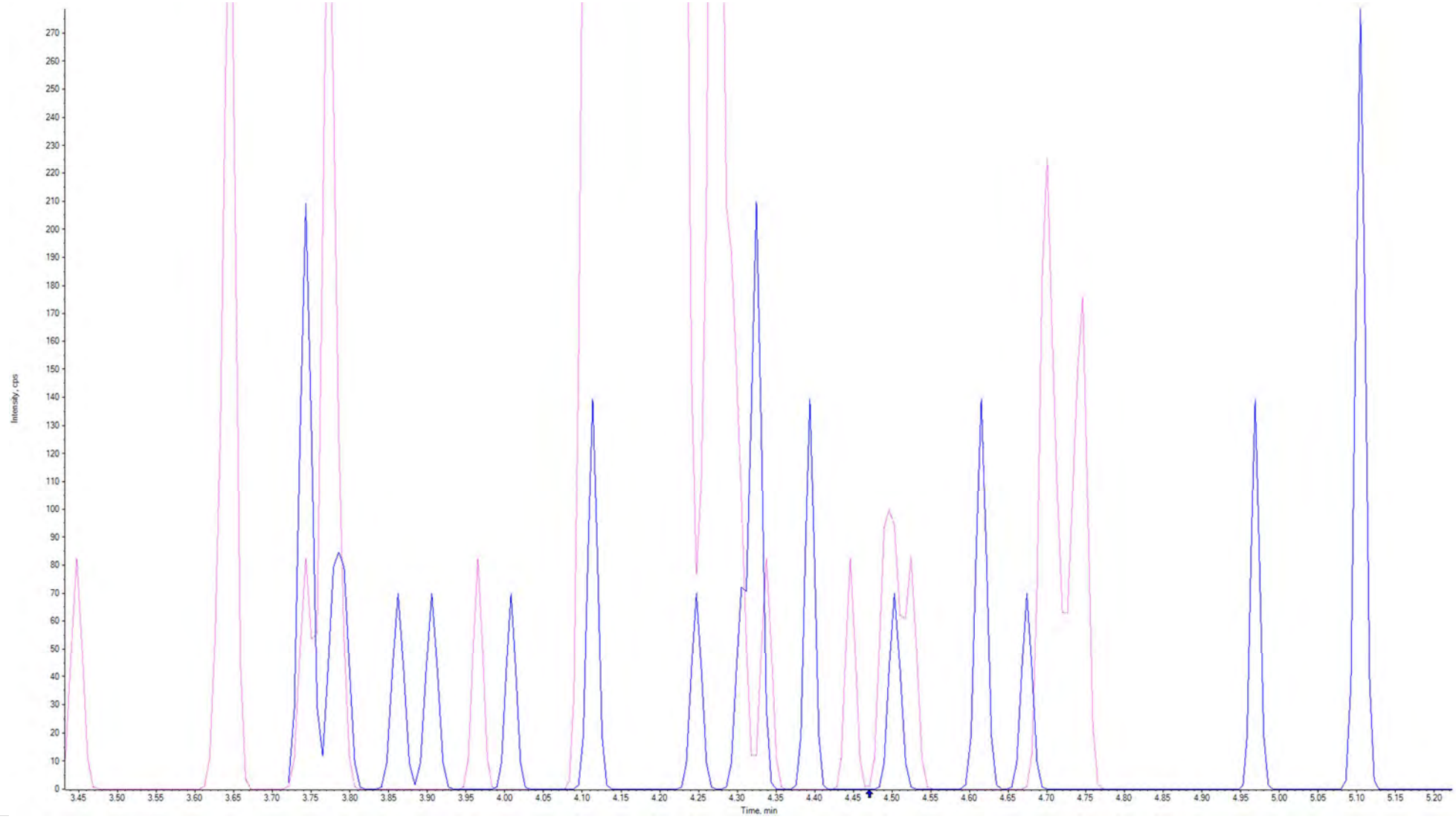
9Cl-PF3ONS
Sample: L2512368-16RE S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/18/2025 9:34:10 AM
Generated: 3/17/2025 4:15:11 PM

9Cl-PF3ONS_2
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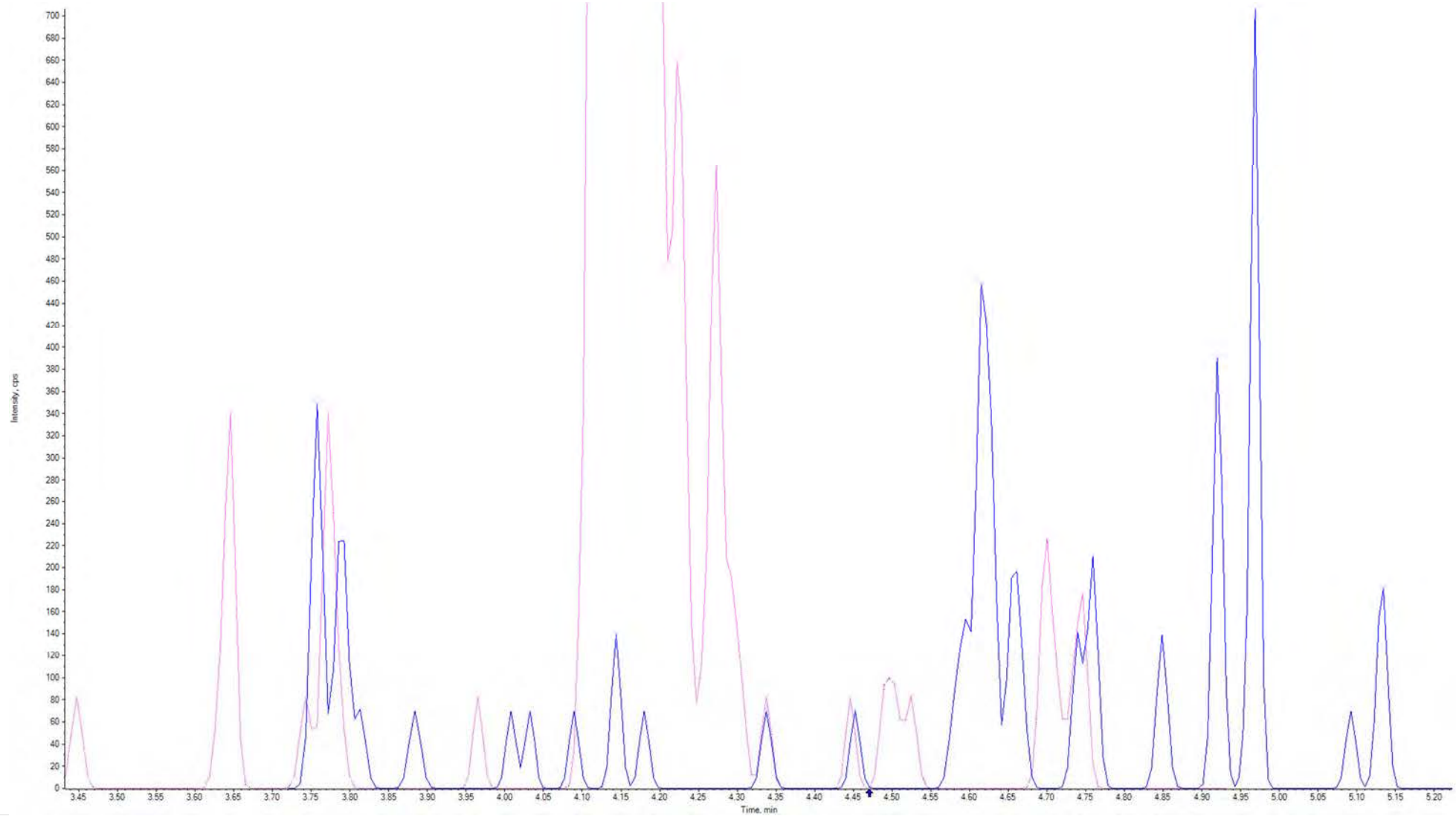

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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11Cl-PF3OUdS
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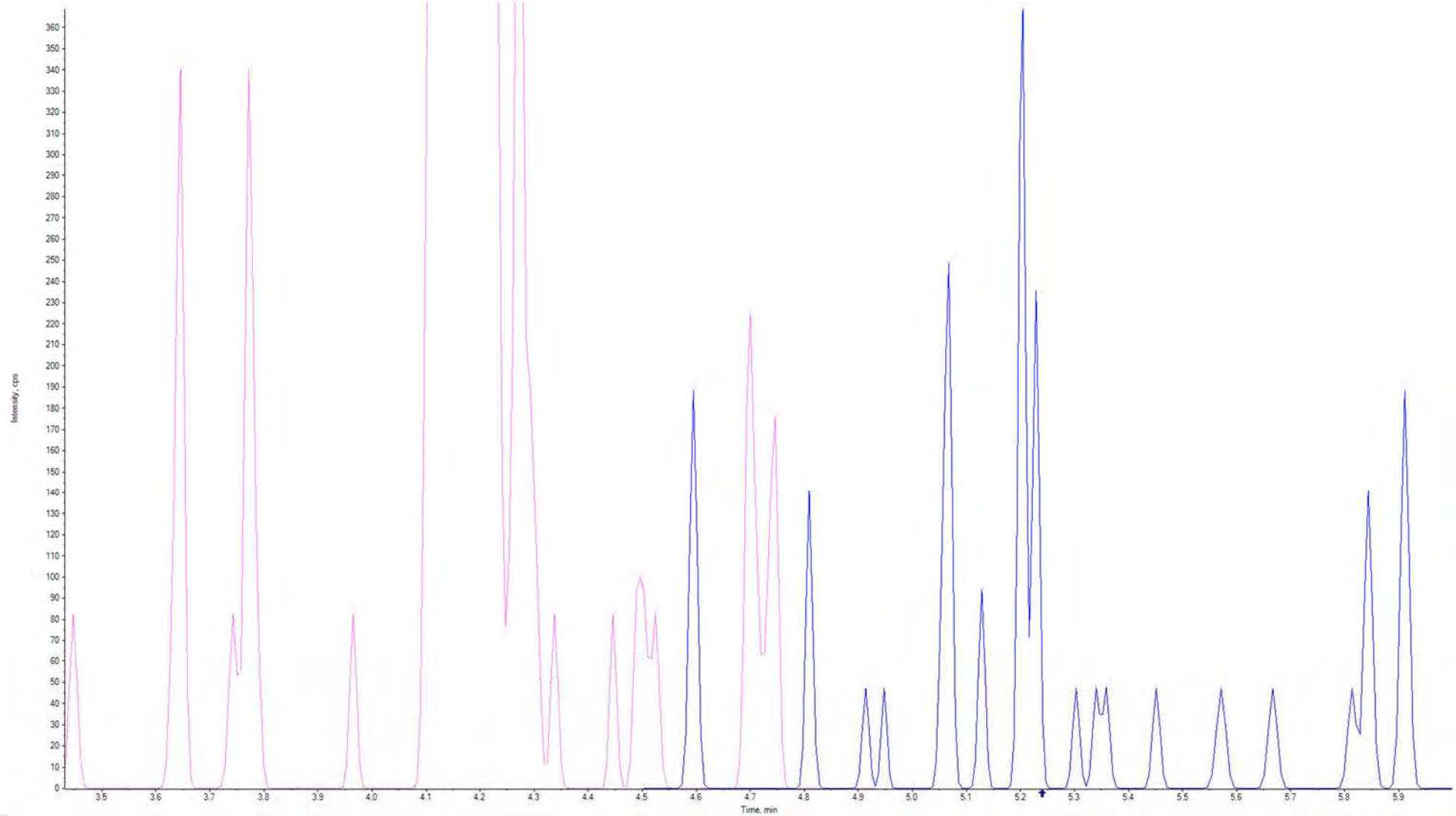

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Alpha Analytical LLC
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11Cl-PF3OUdS_2
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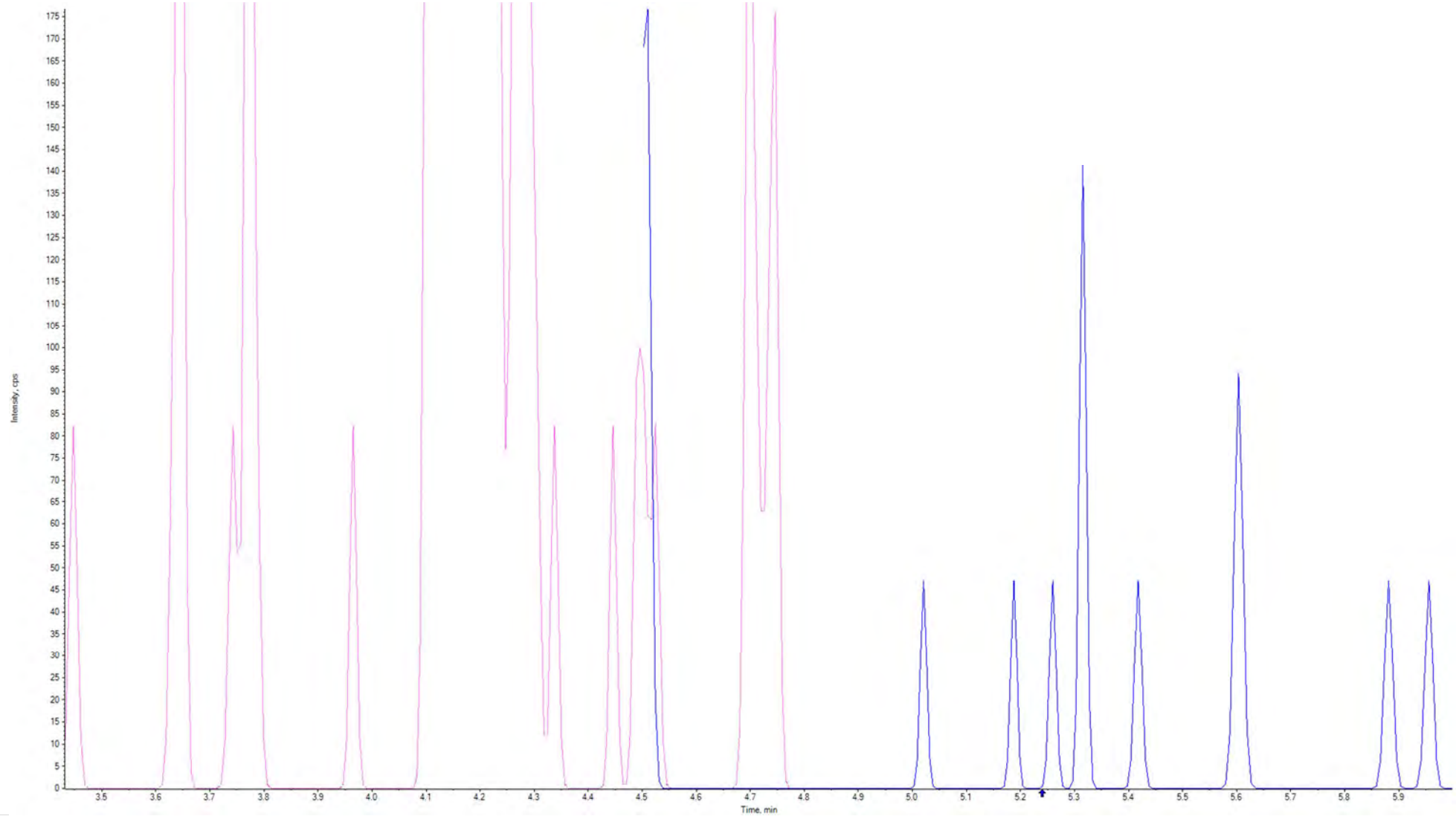

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3:3FTCA
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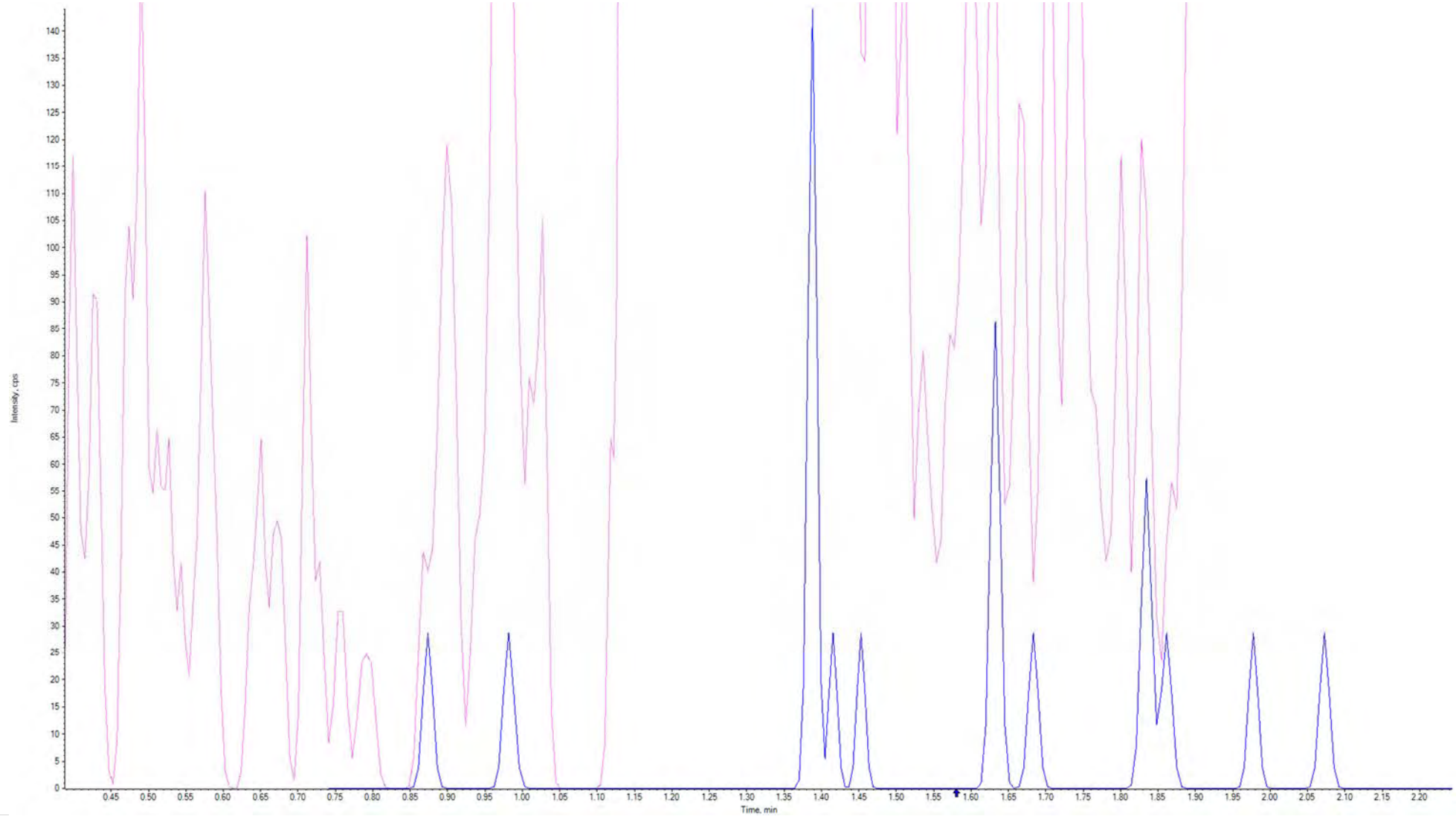

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3:3FTCA_2
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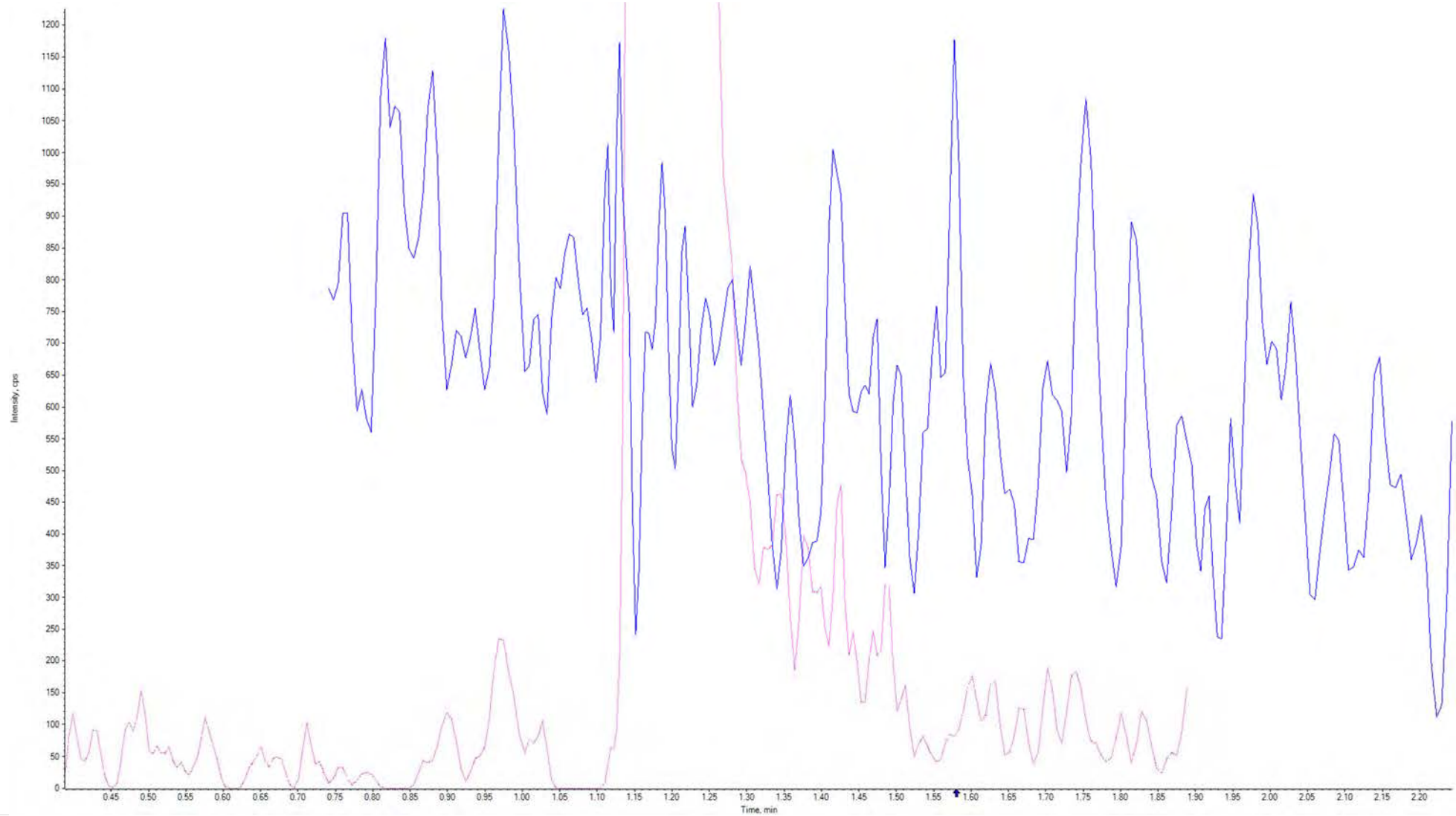

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5:3FTCA
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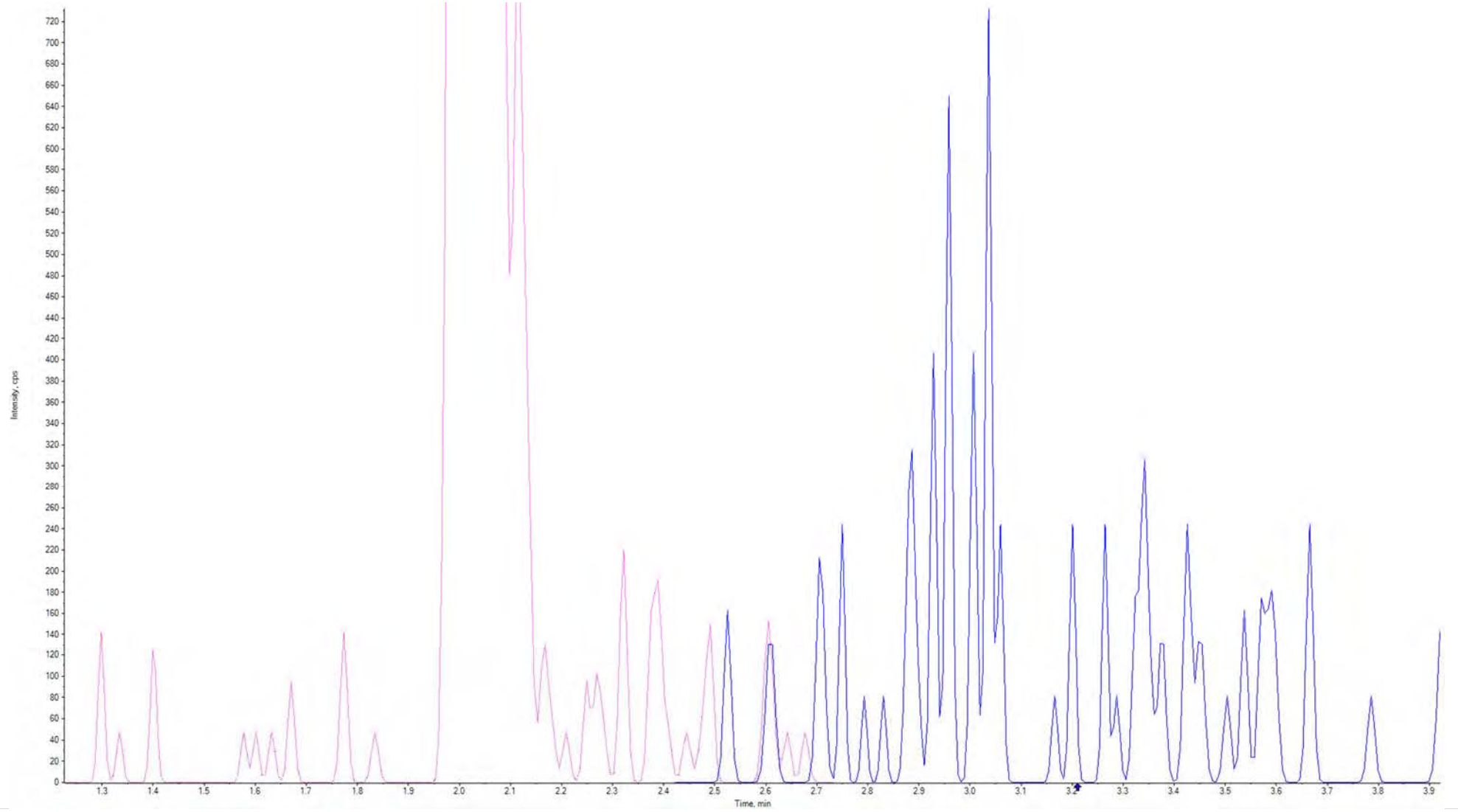

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5:3FTCA_2
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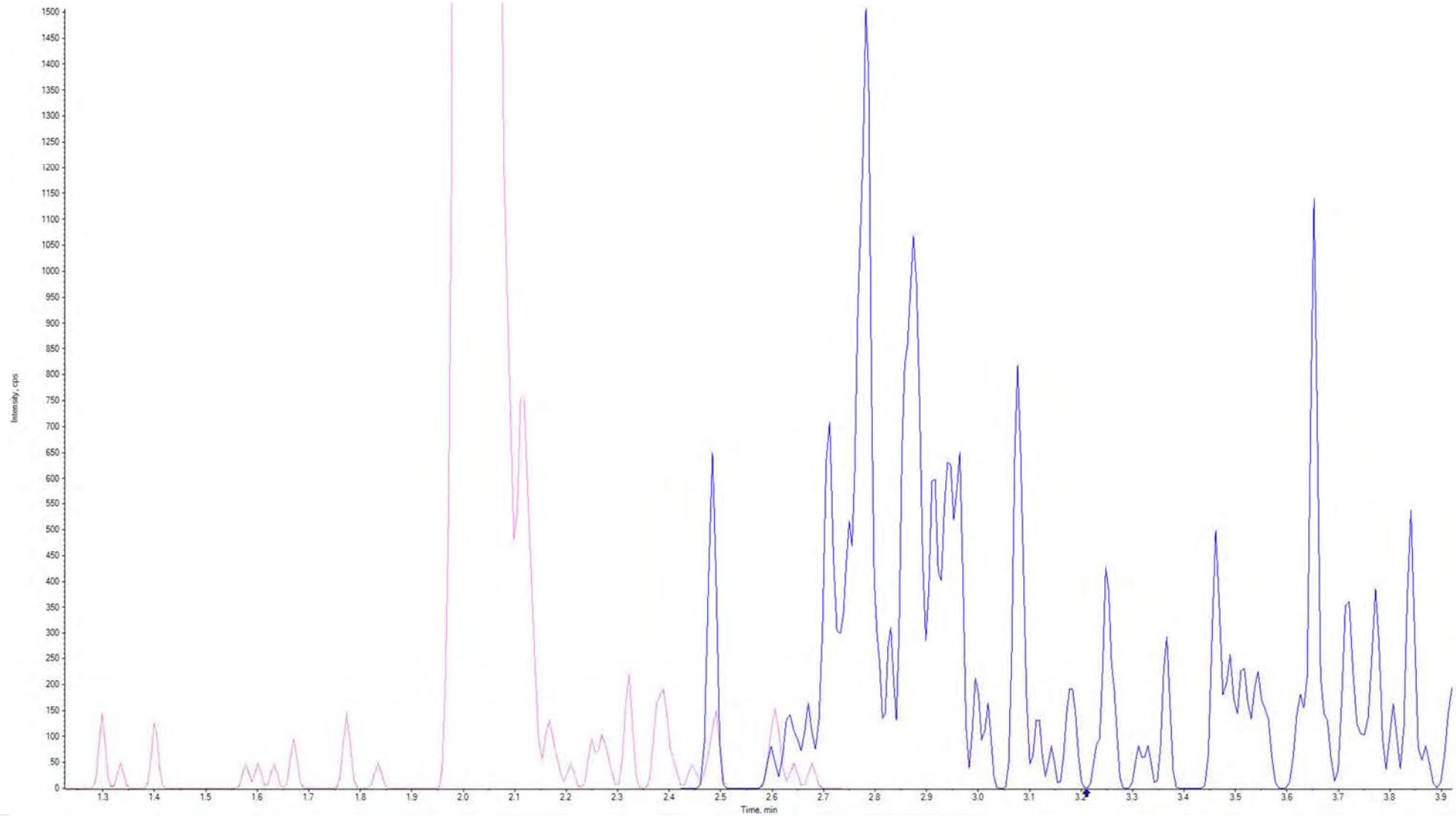

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7:3FTCA
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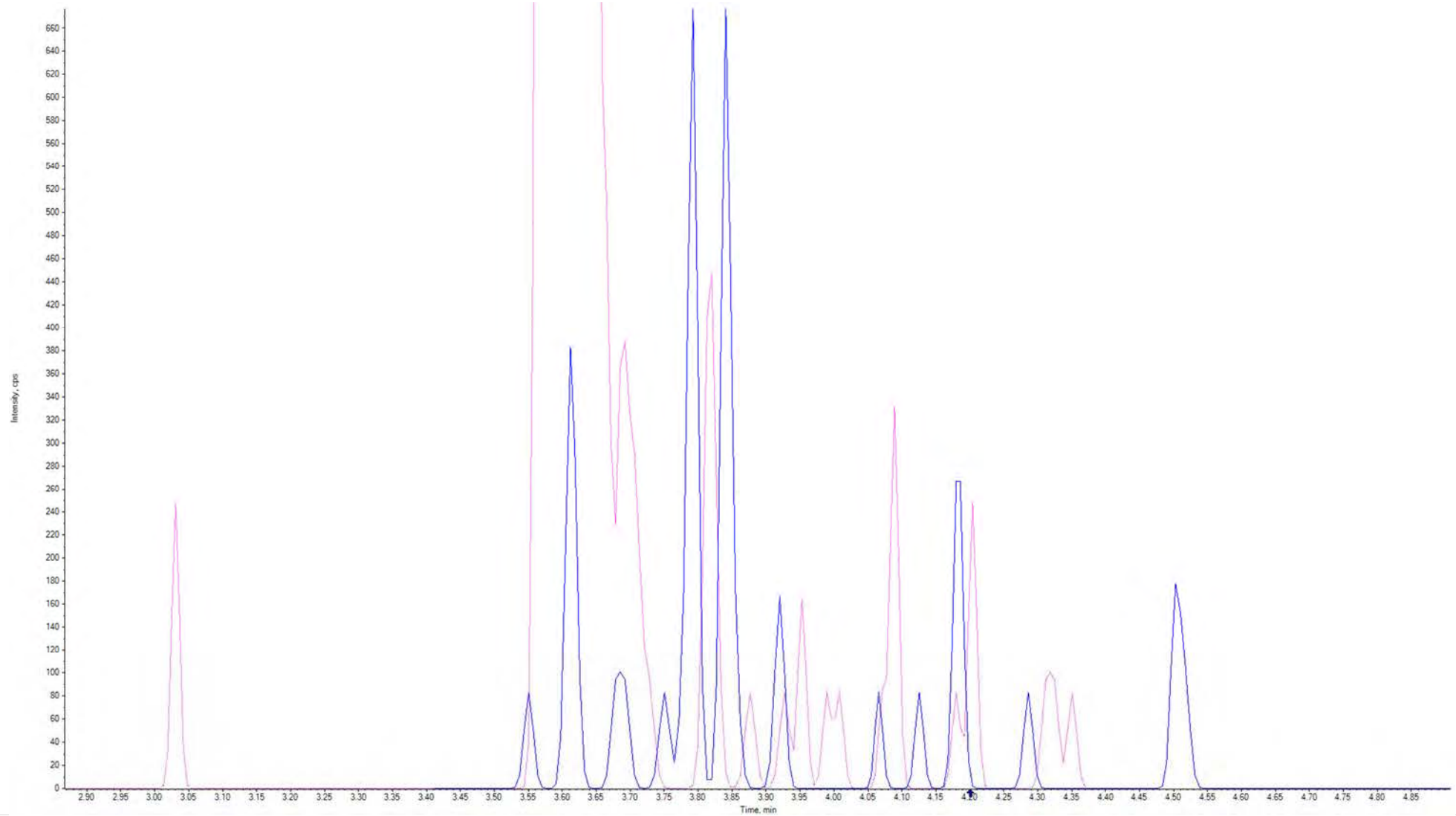

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7:3FTCA_2
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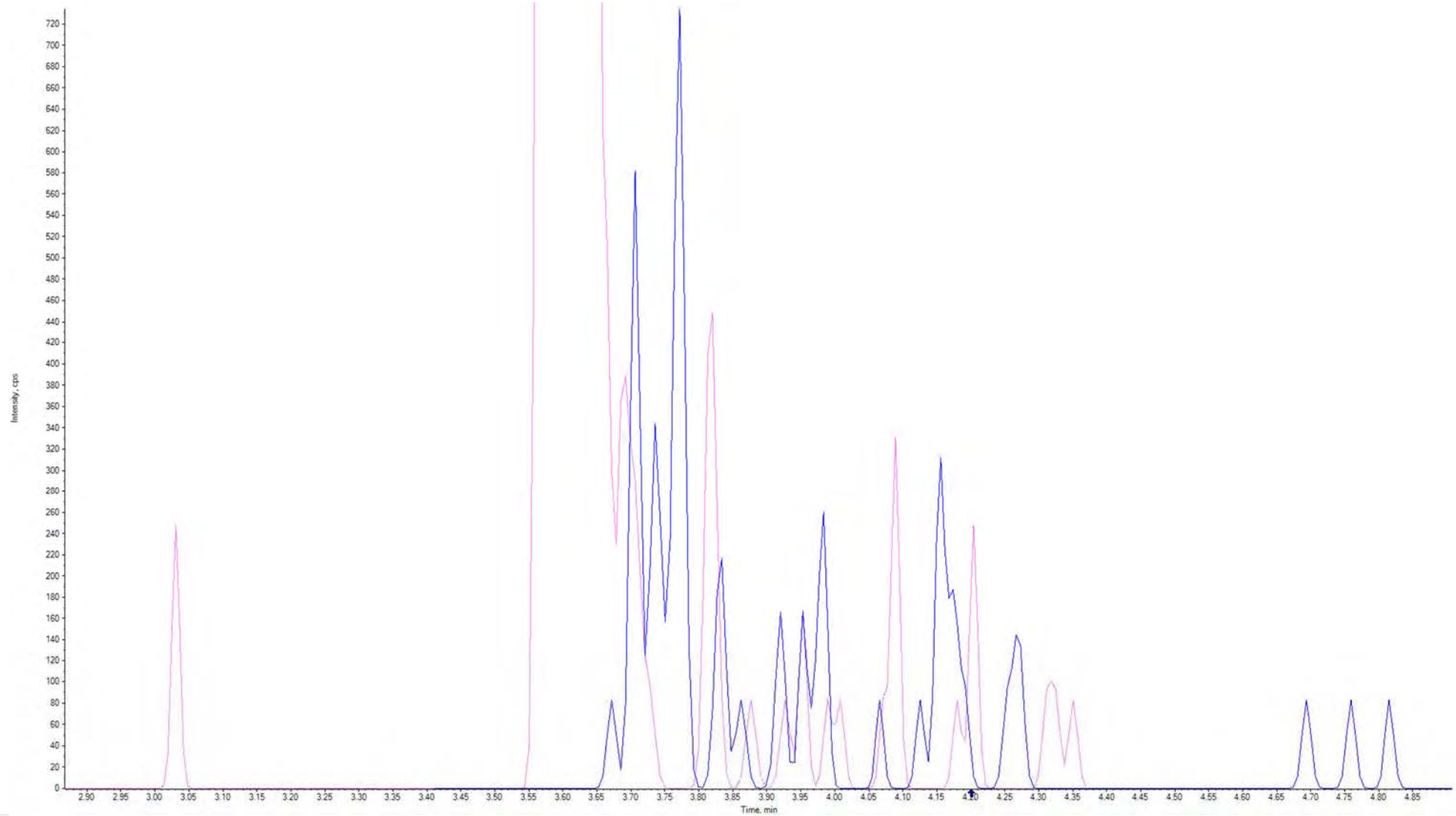

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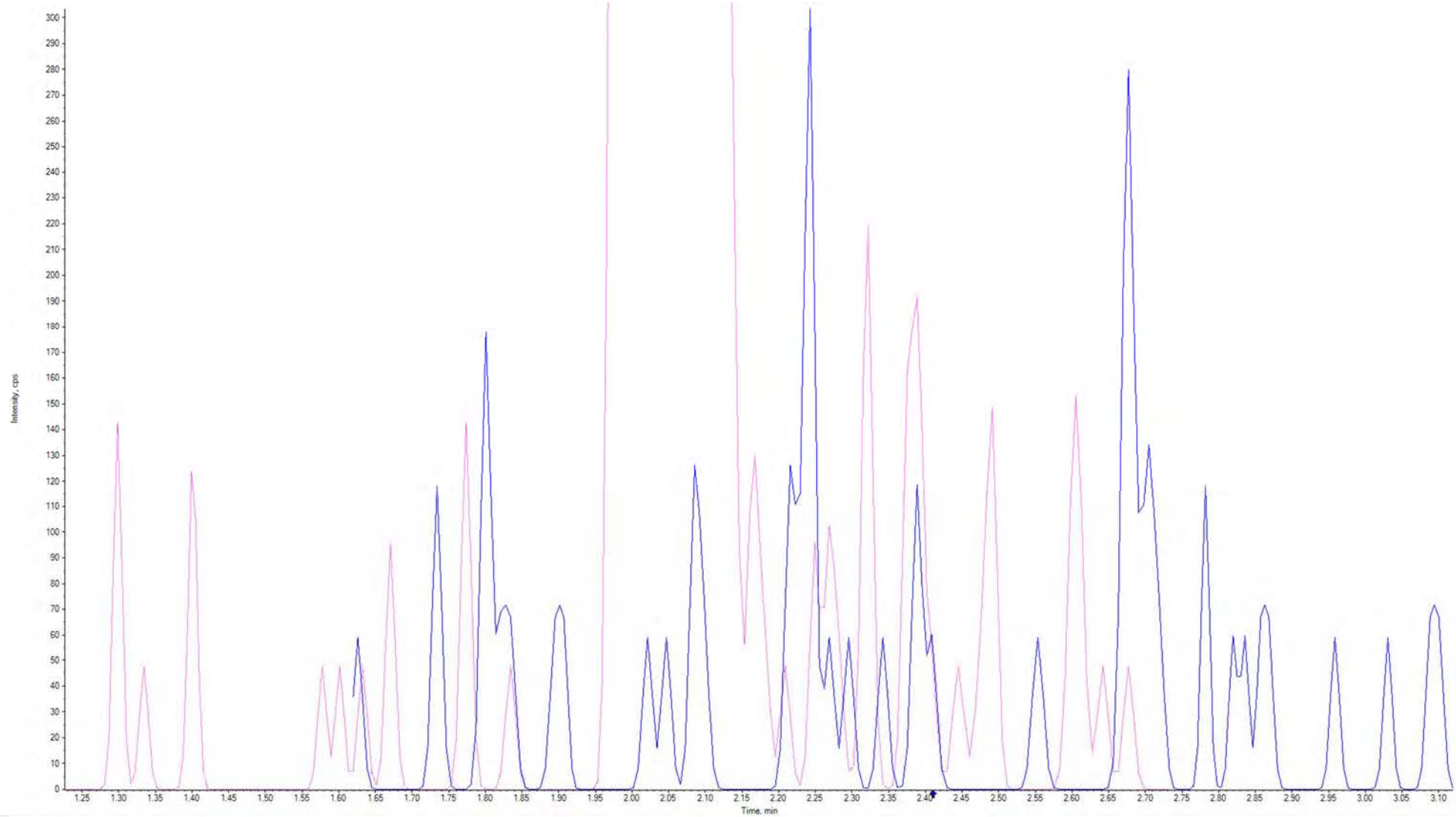
PFEESA
Sample: L2512368-16RE S/N:N/A Points Across peak:N/A



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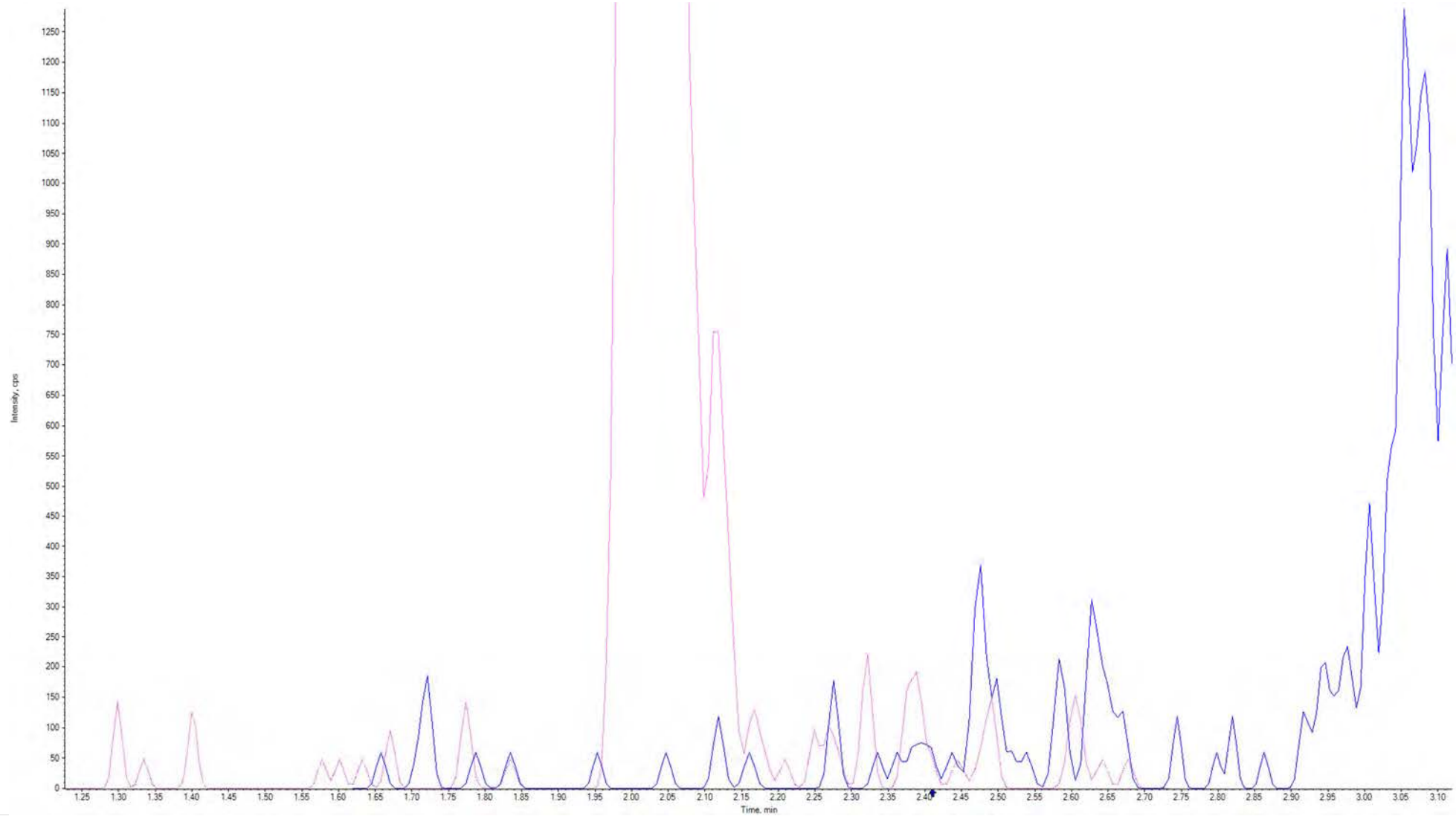
PFEESA_2
Sample: L2512368-16RE S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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PFMPA
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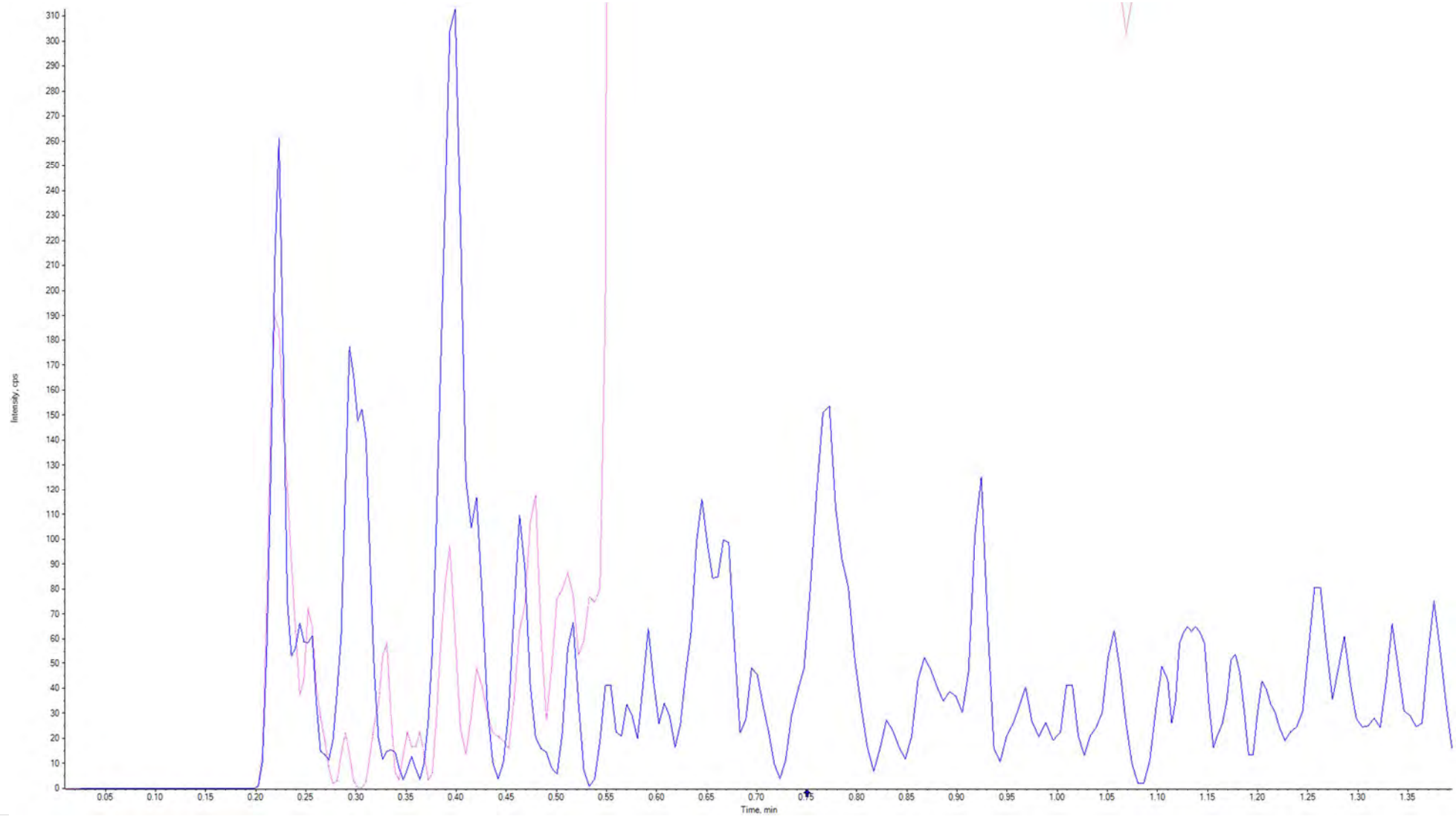

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PFMBA
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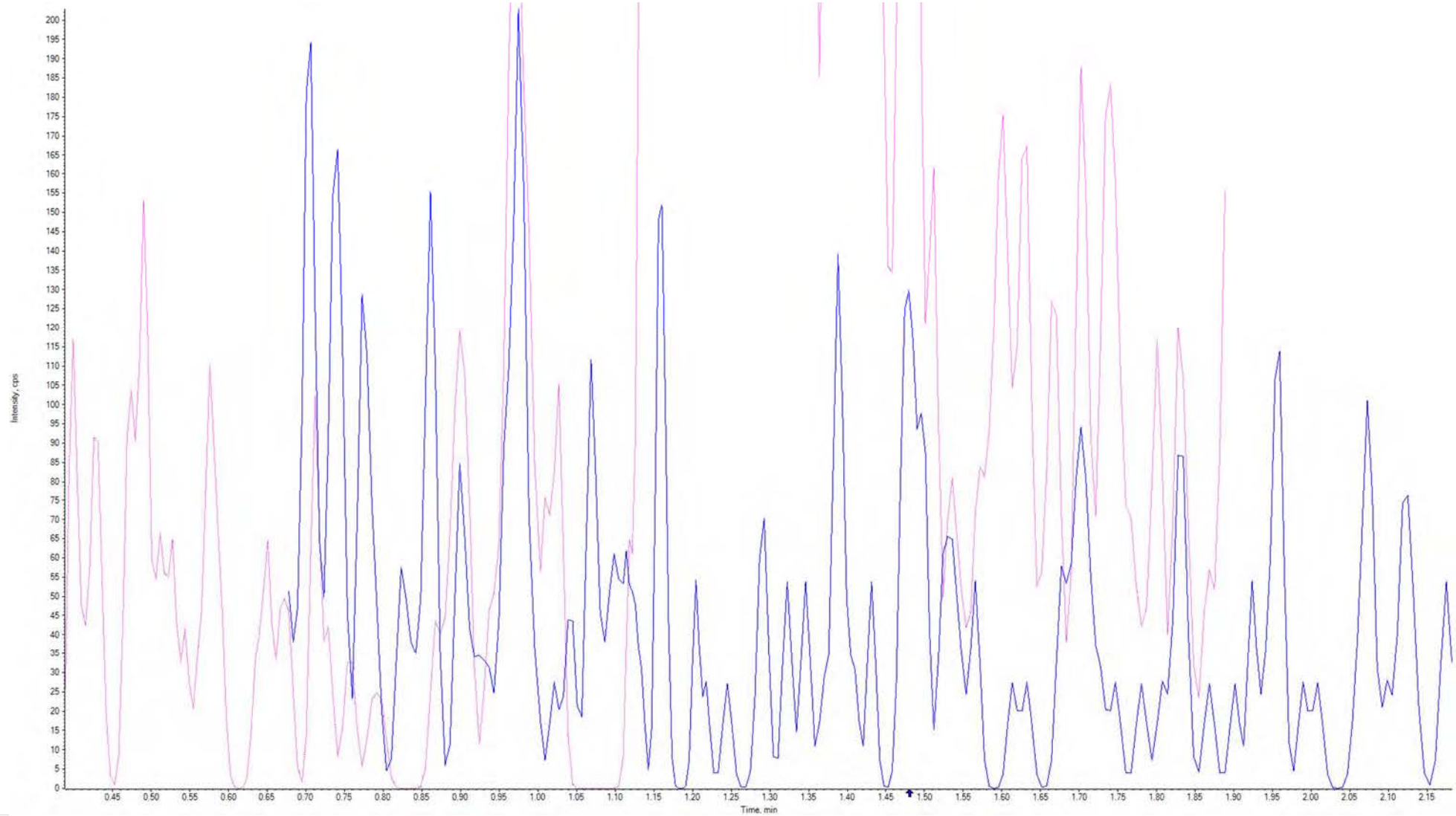

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NFDHA
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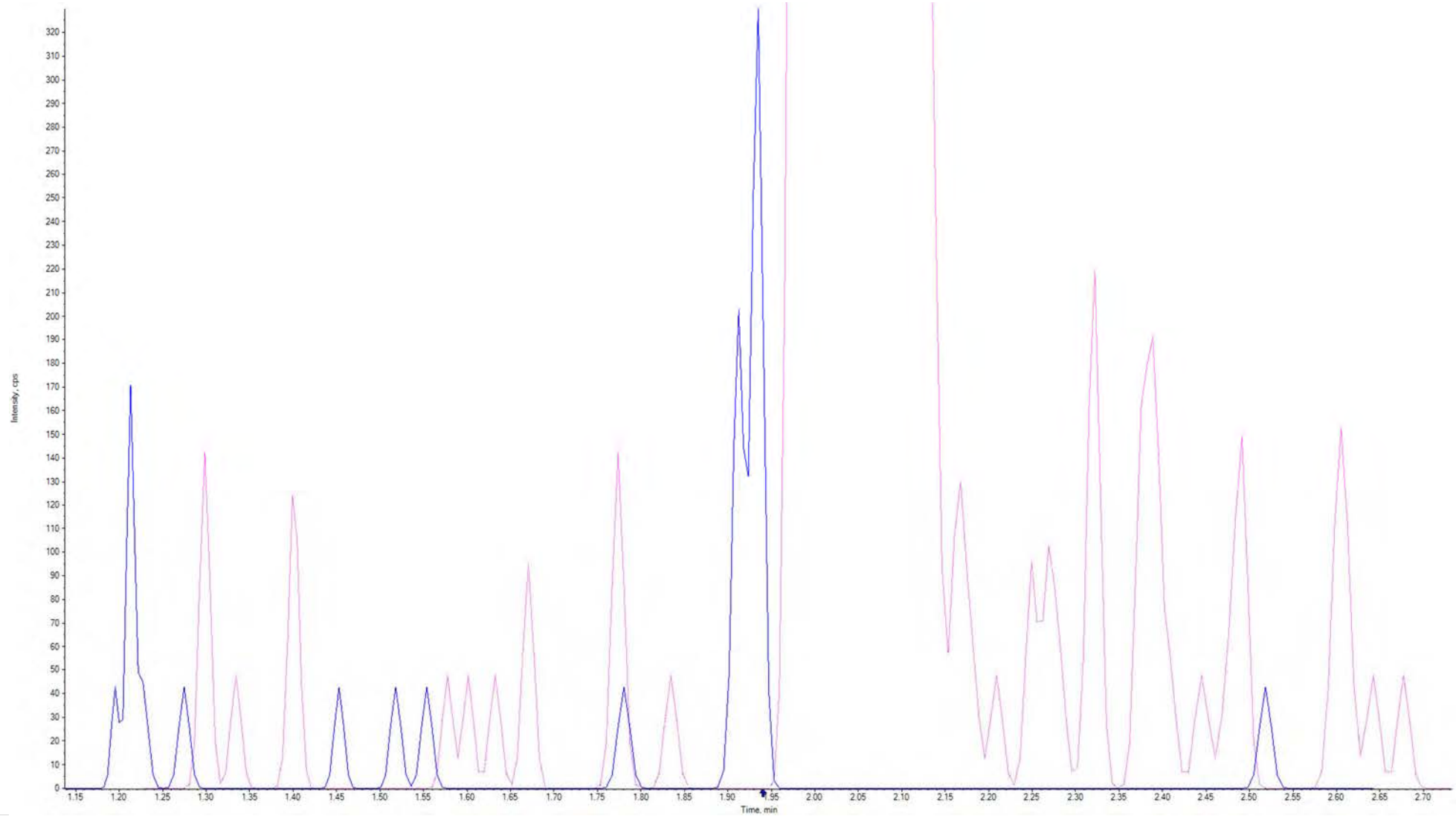

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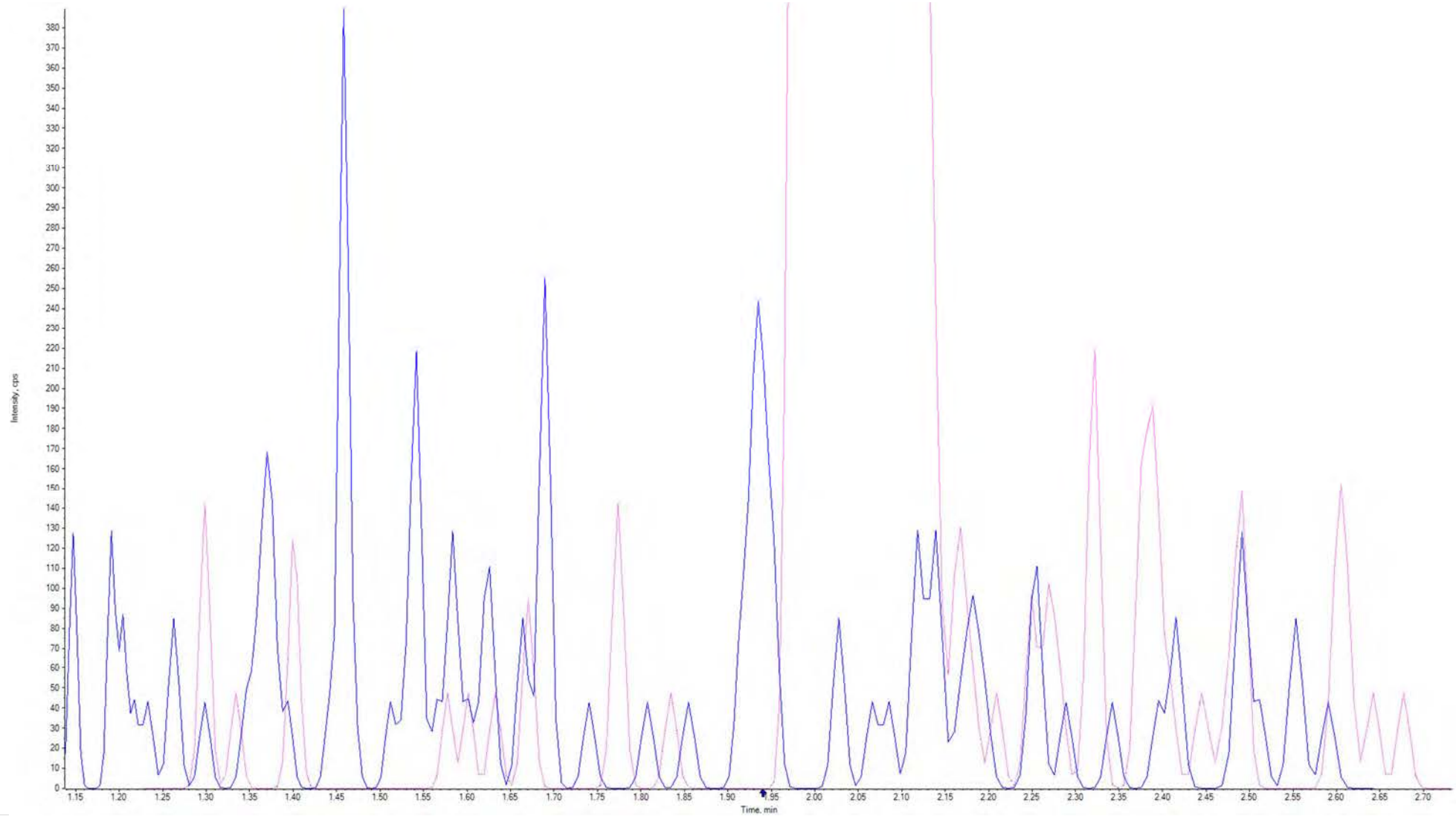
NFDHA_2
Sample: L2512368-16RE S/N:N/A Points Across peak:N/A



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TDCA
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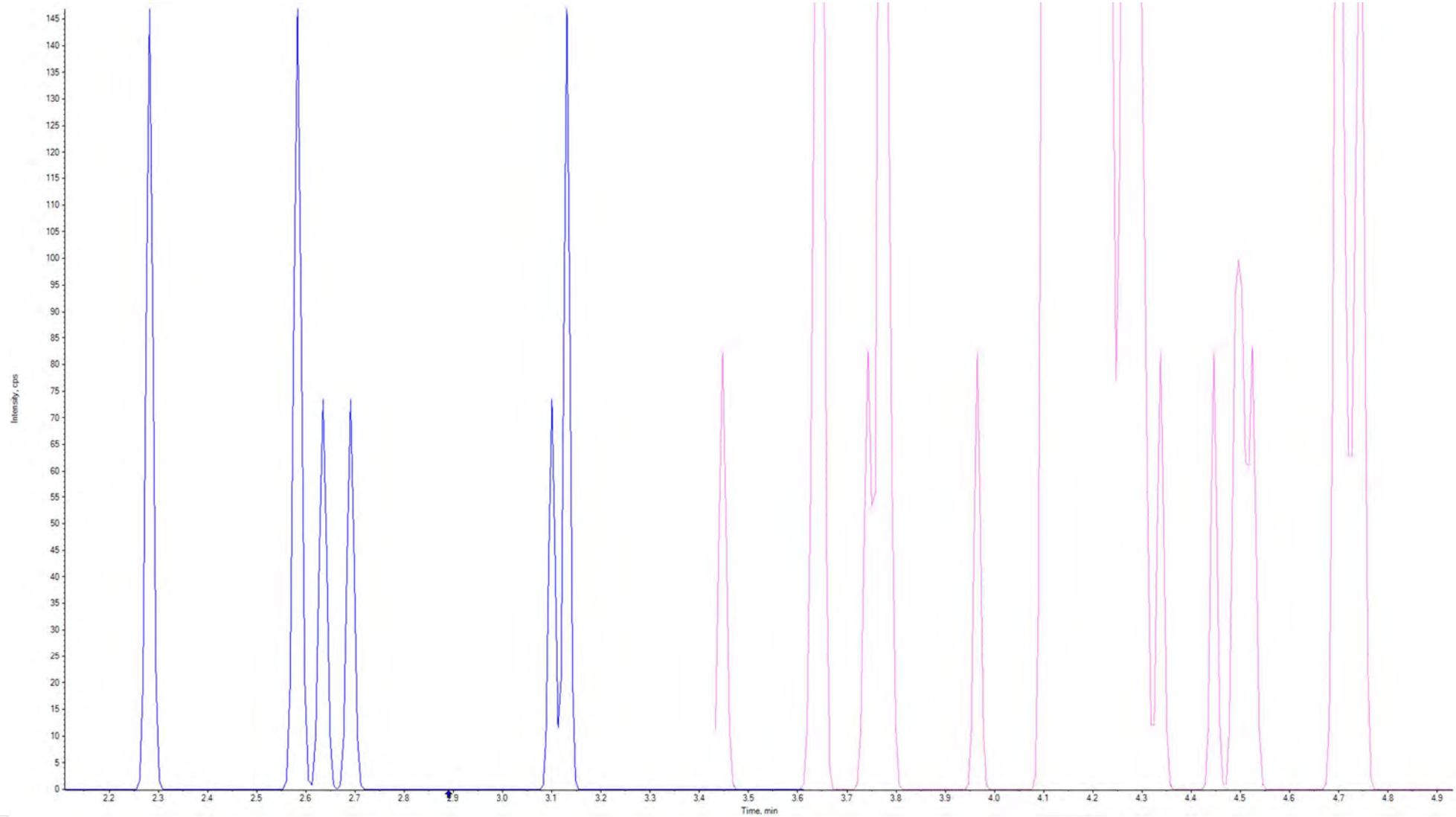

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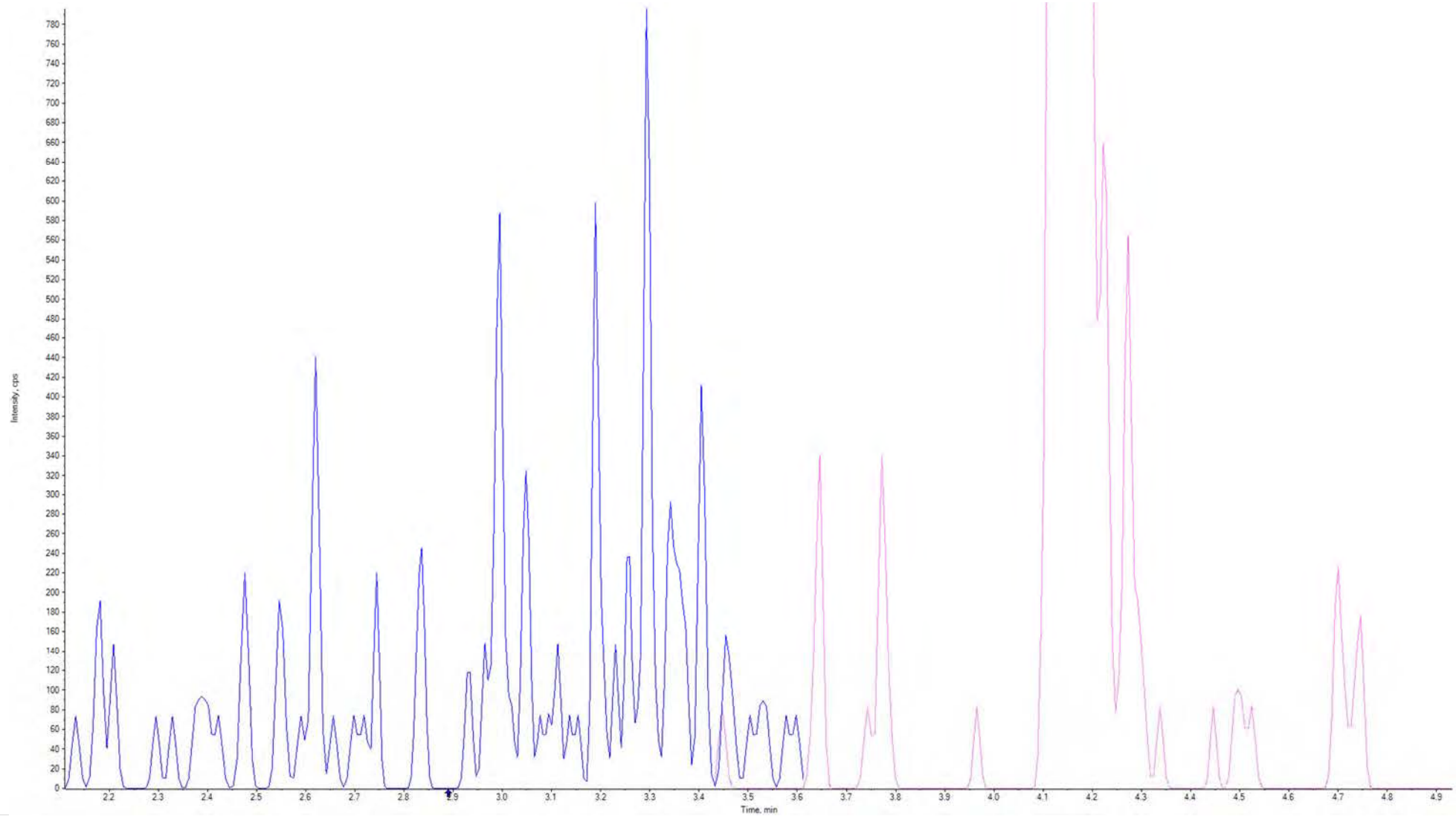
TDCA_2
Sample: L2512368-16RE S/N:N/A Points Across peak:N/A



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13C2D4-4:2FTS
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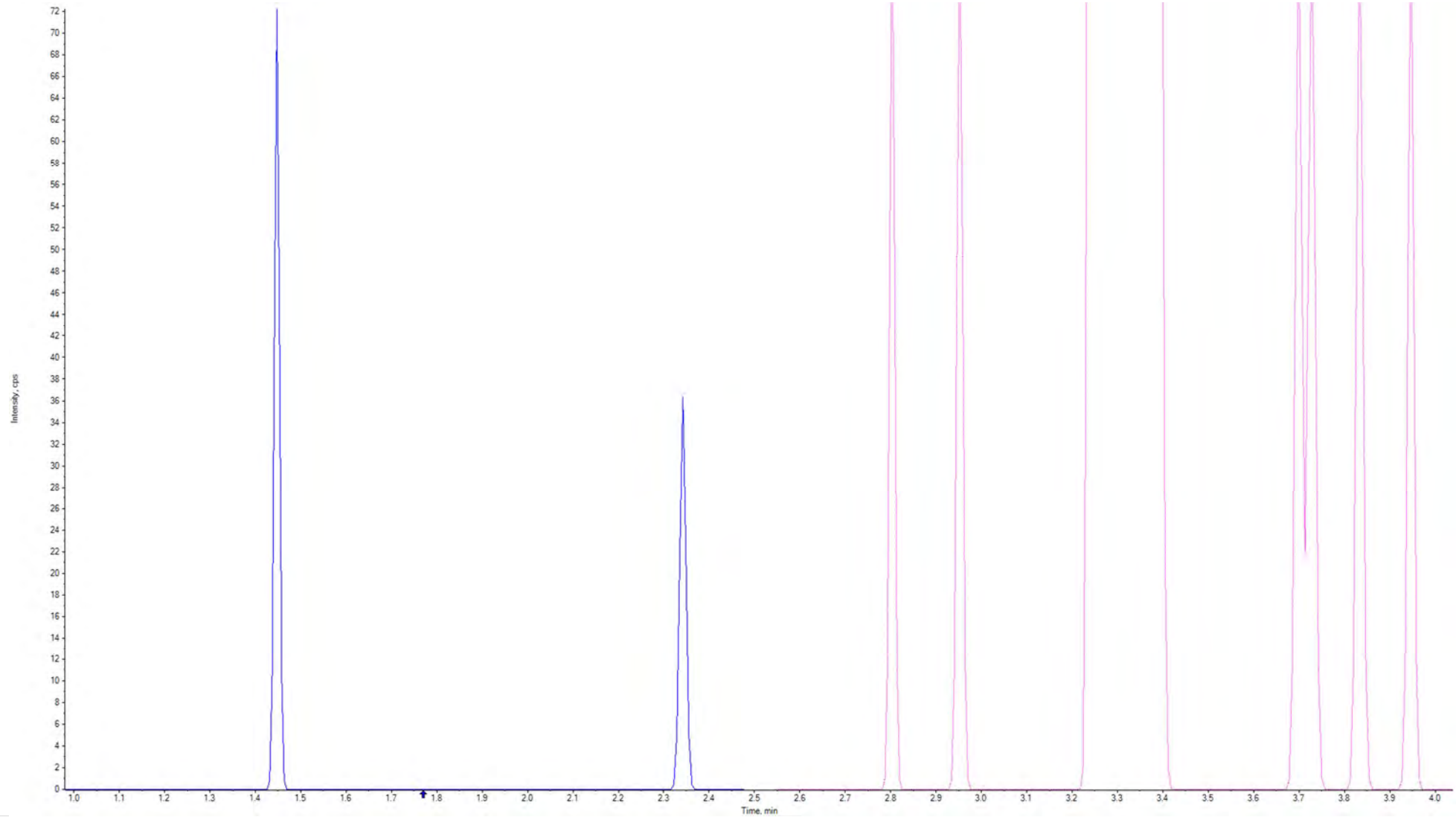

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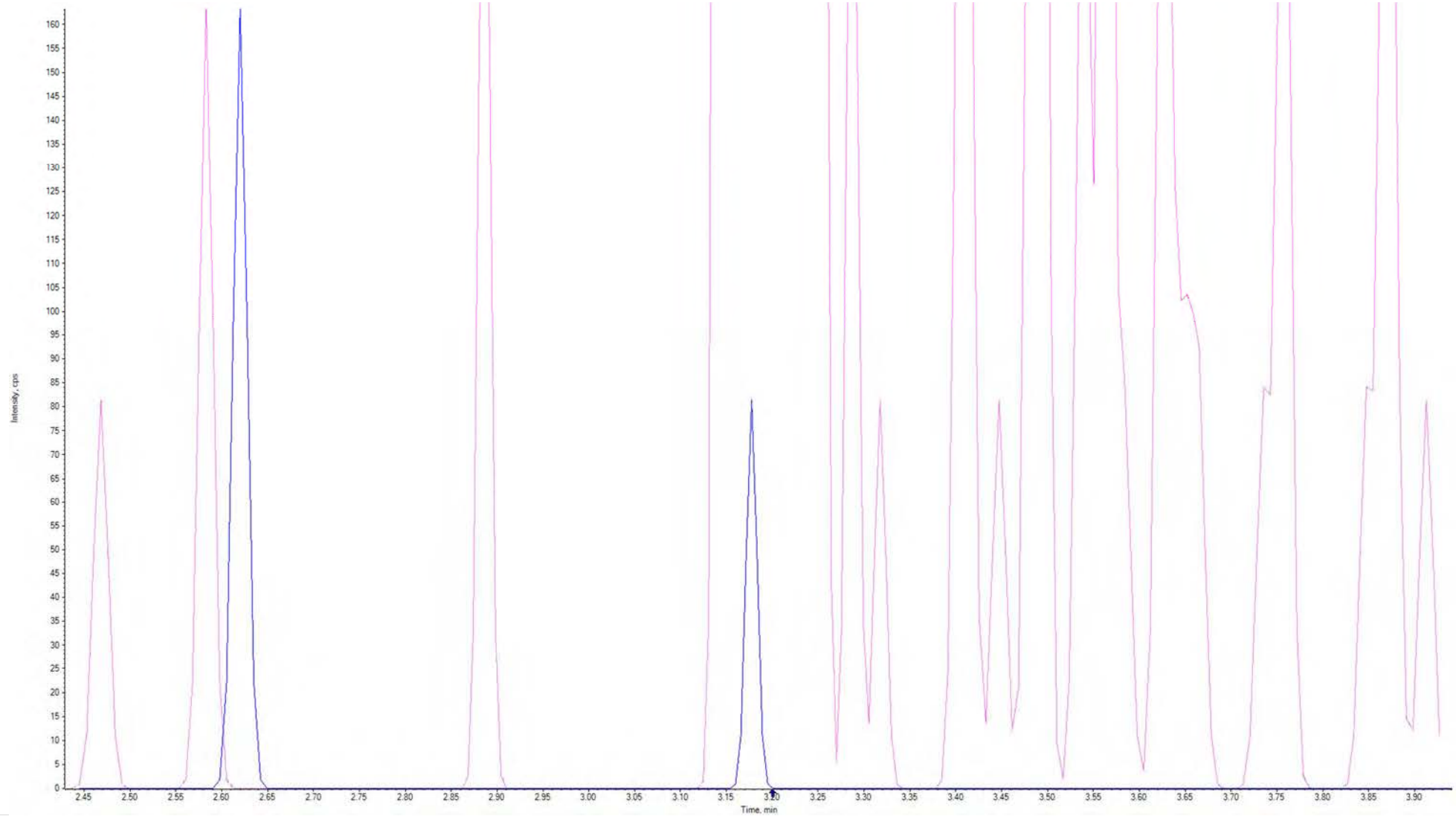
13C2-PFOA
Sample: L2512368-16RE S/N:N/A Points Across peak:N/A



13C4-PFBA
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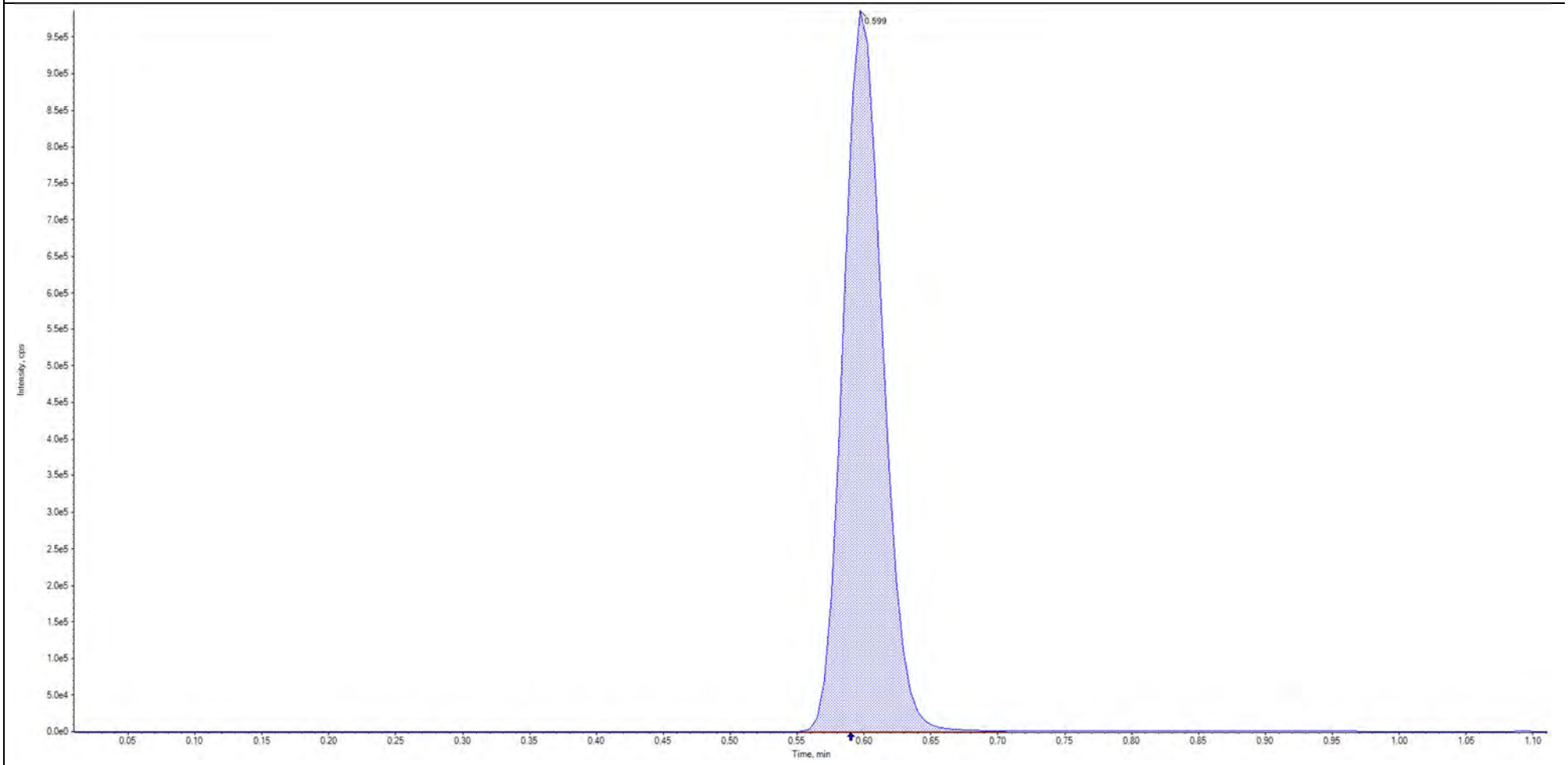

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13C5-PFPeA
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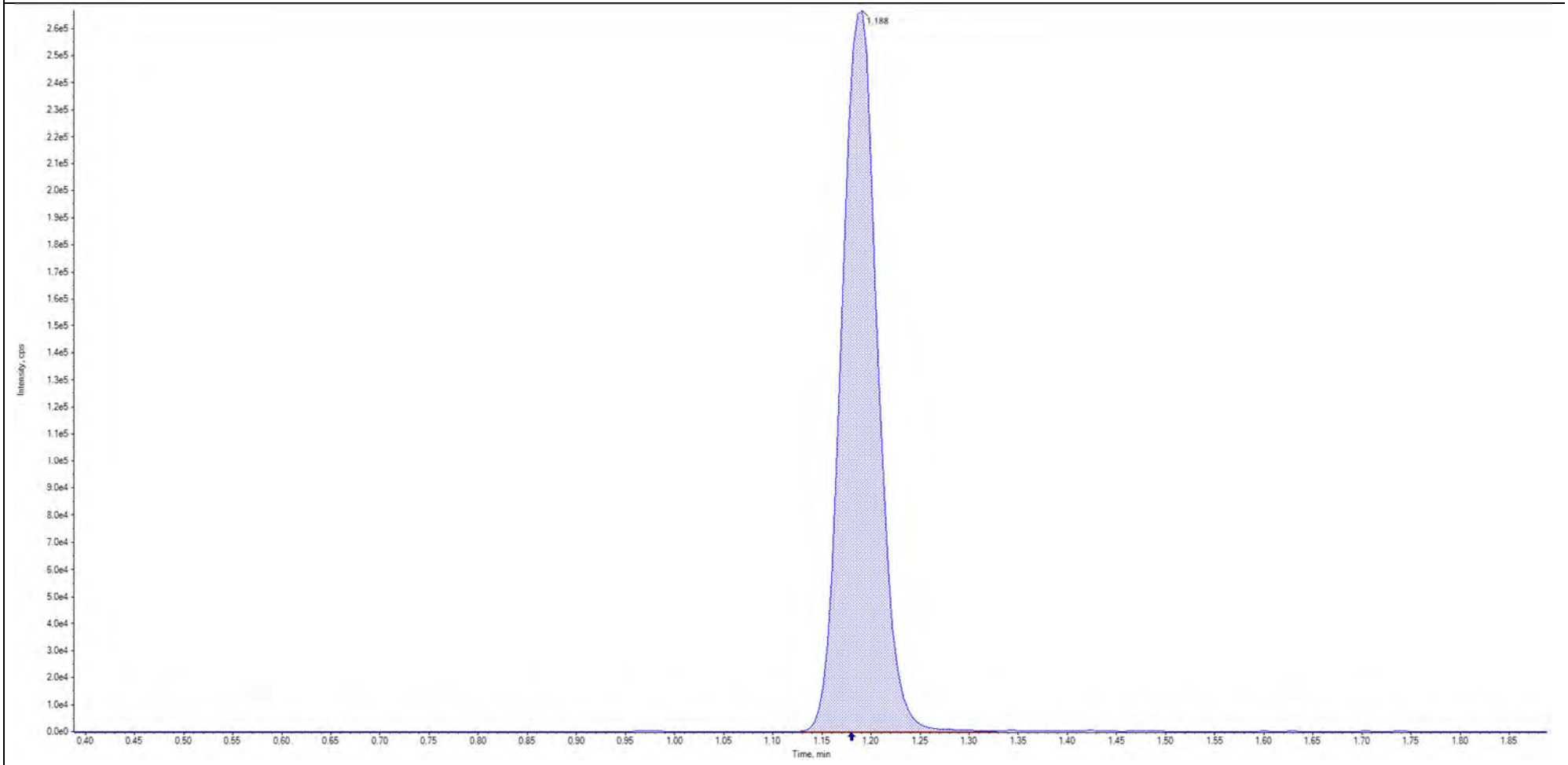

13C5-PFHxA
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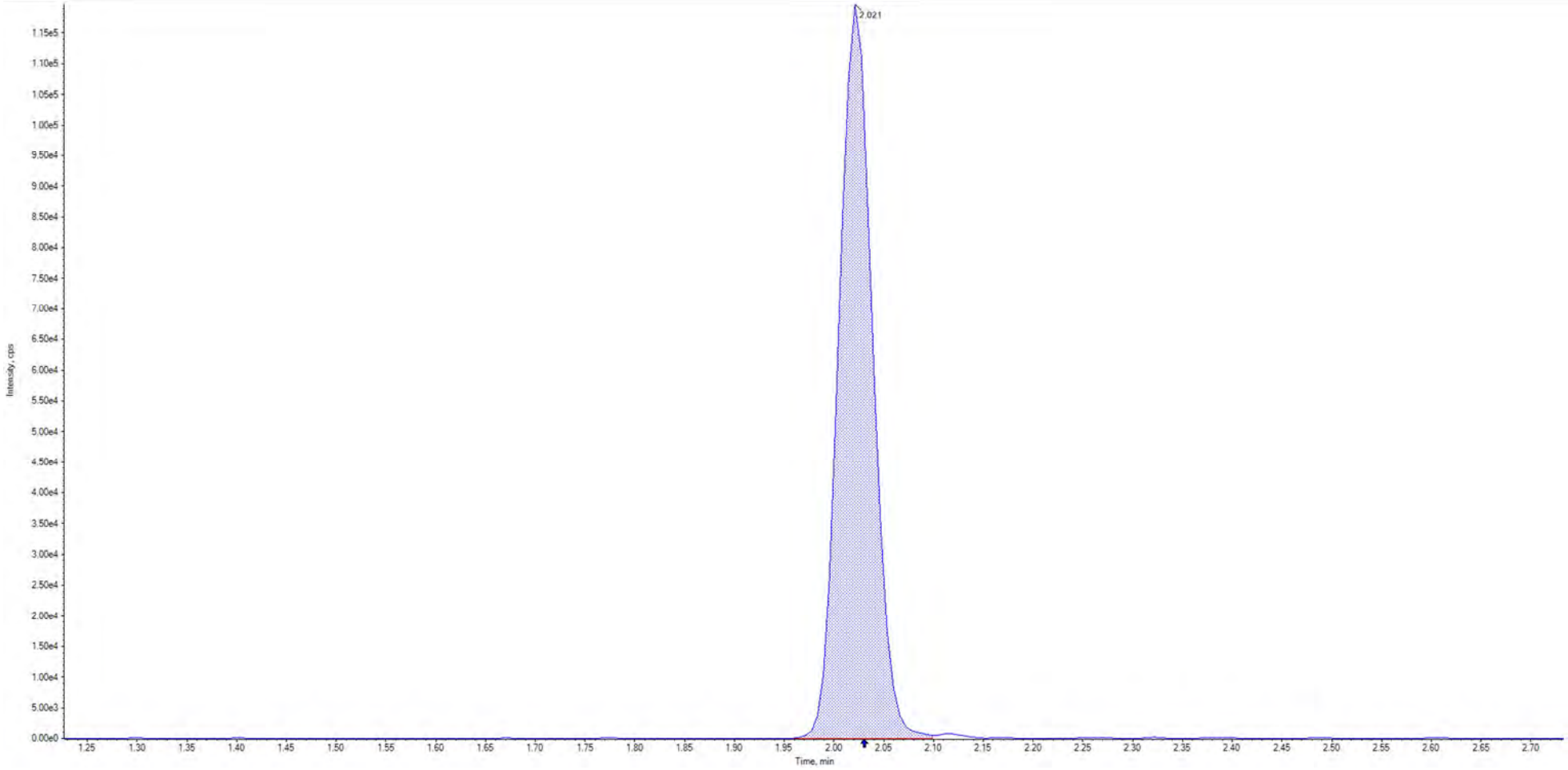

13C4-PFHpA
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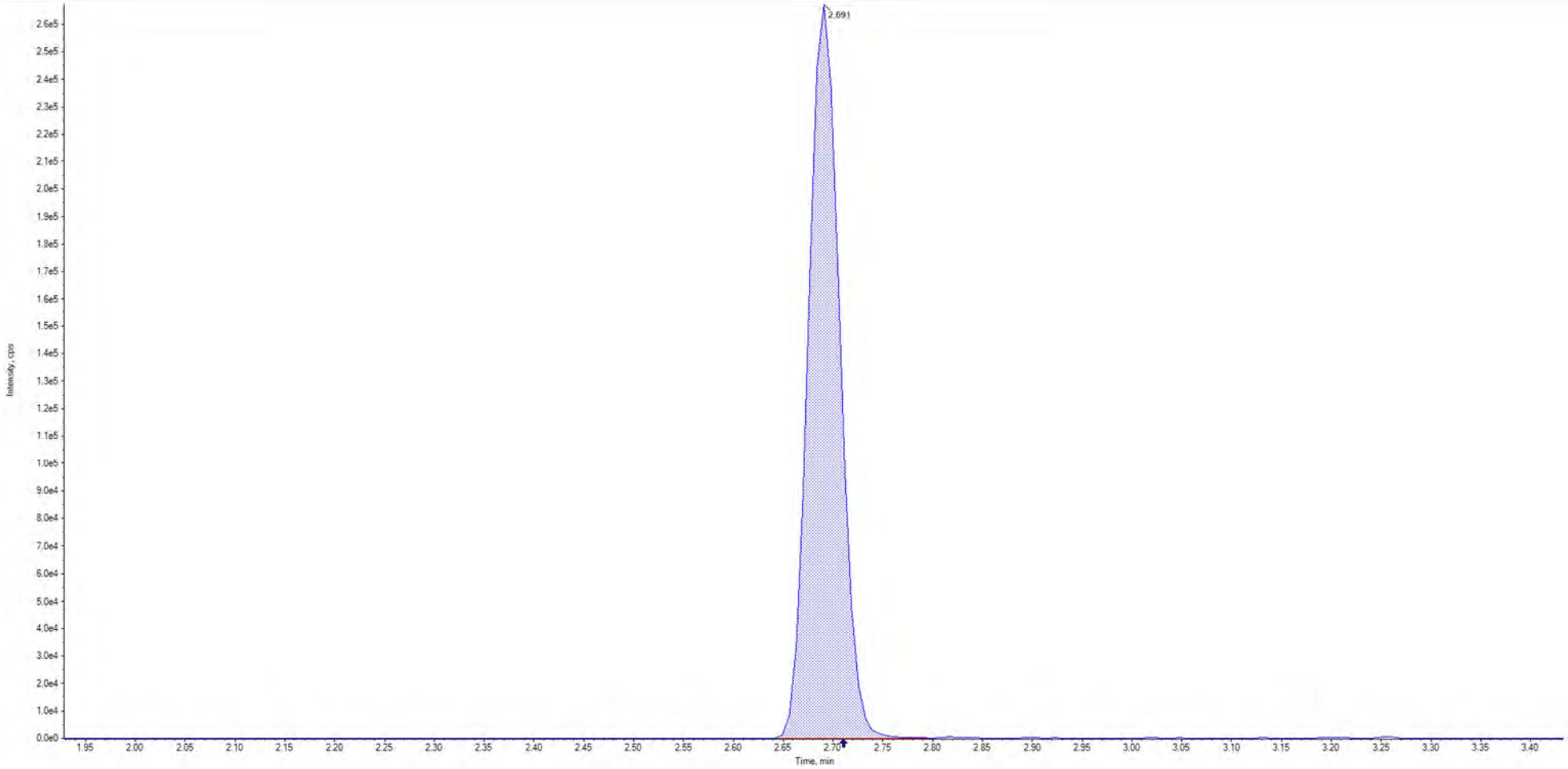

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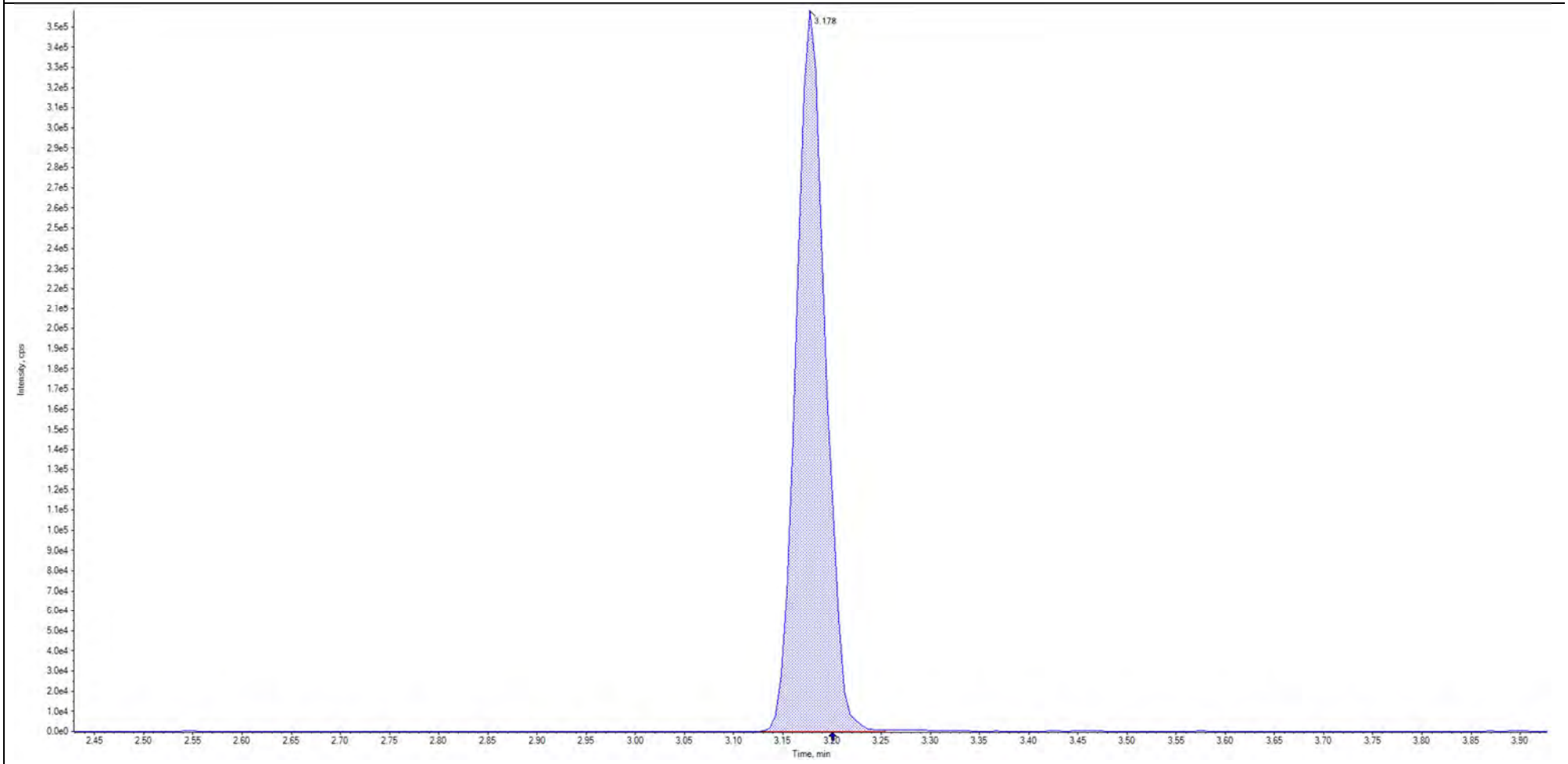
13C8-PFOA
Sample: L2512368-16RE



13C9-PFNA
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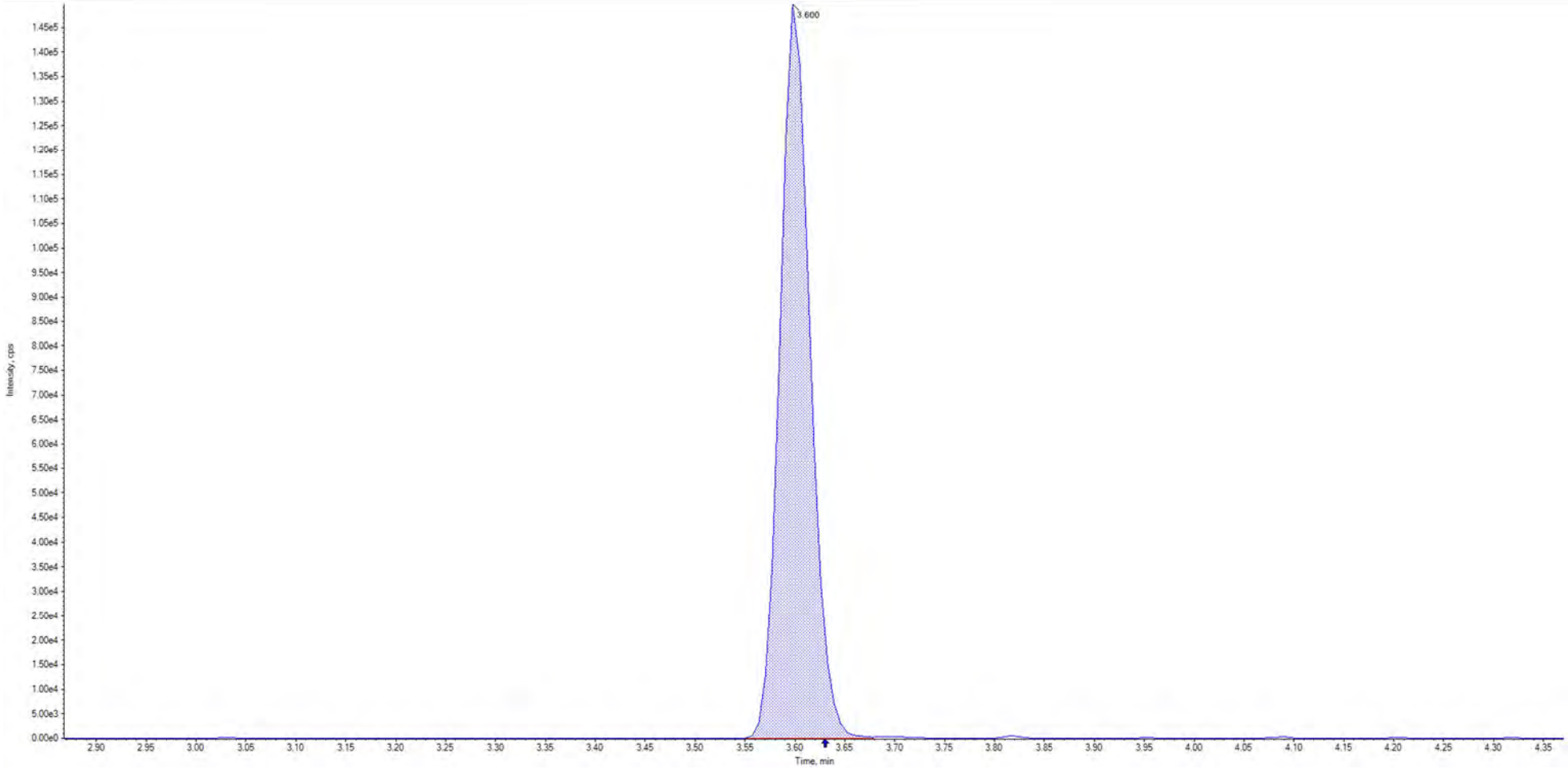

13C6-PFDA
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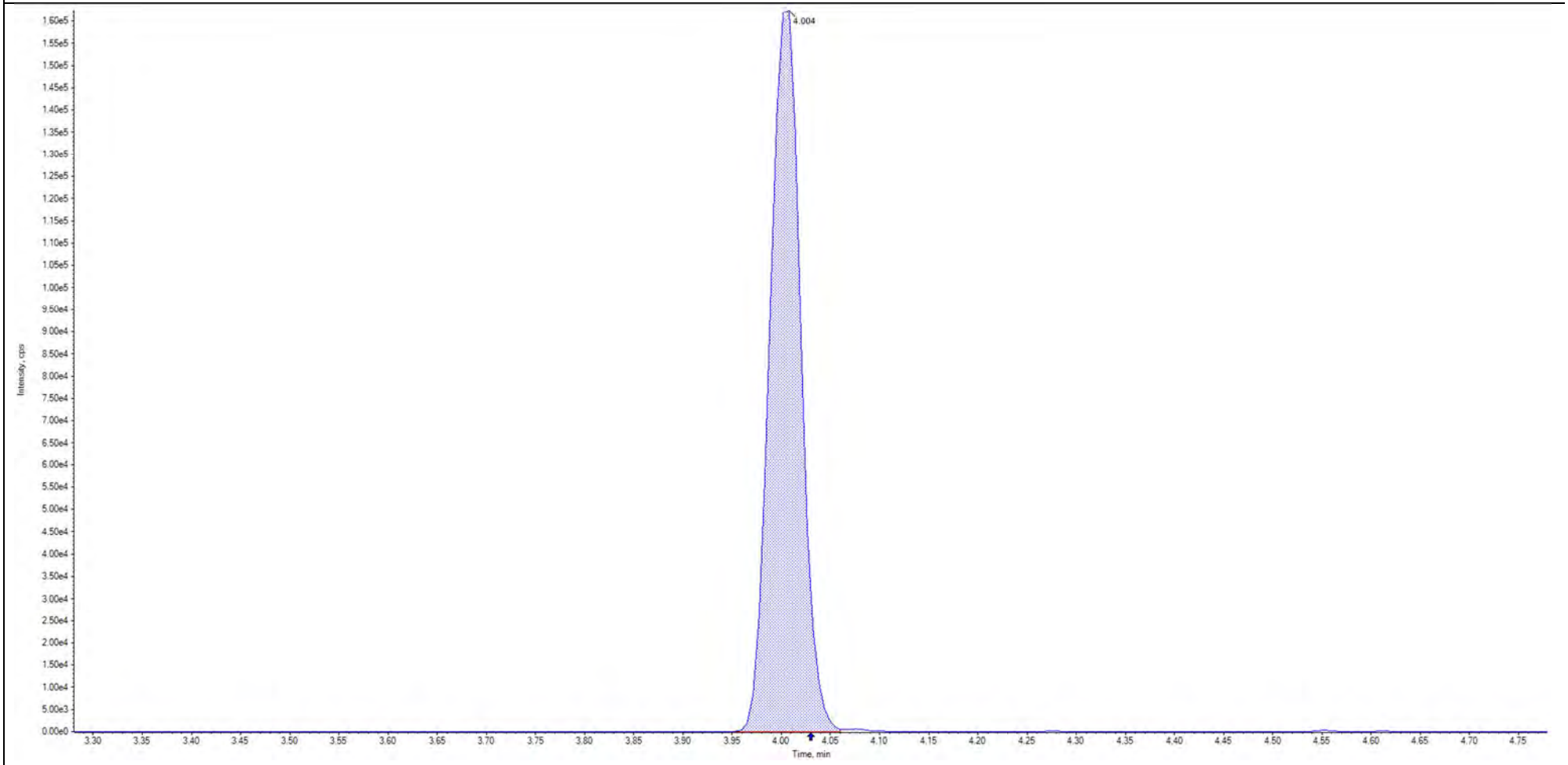
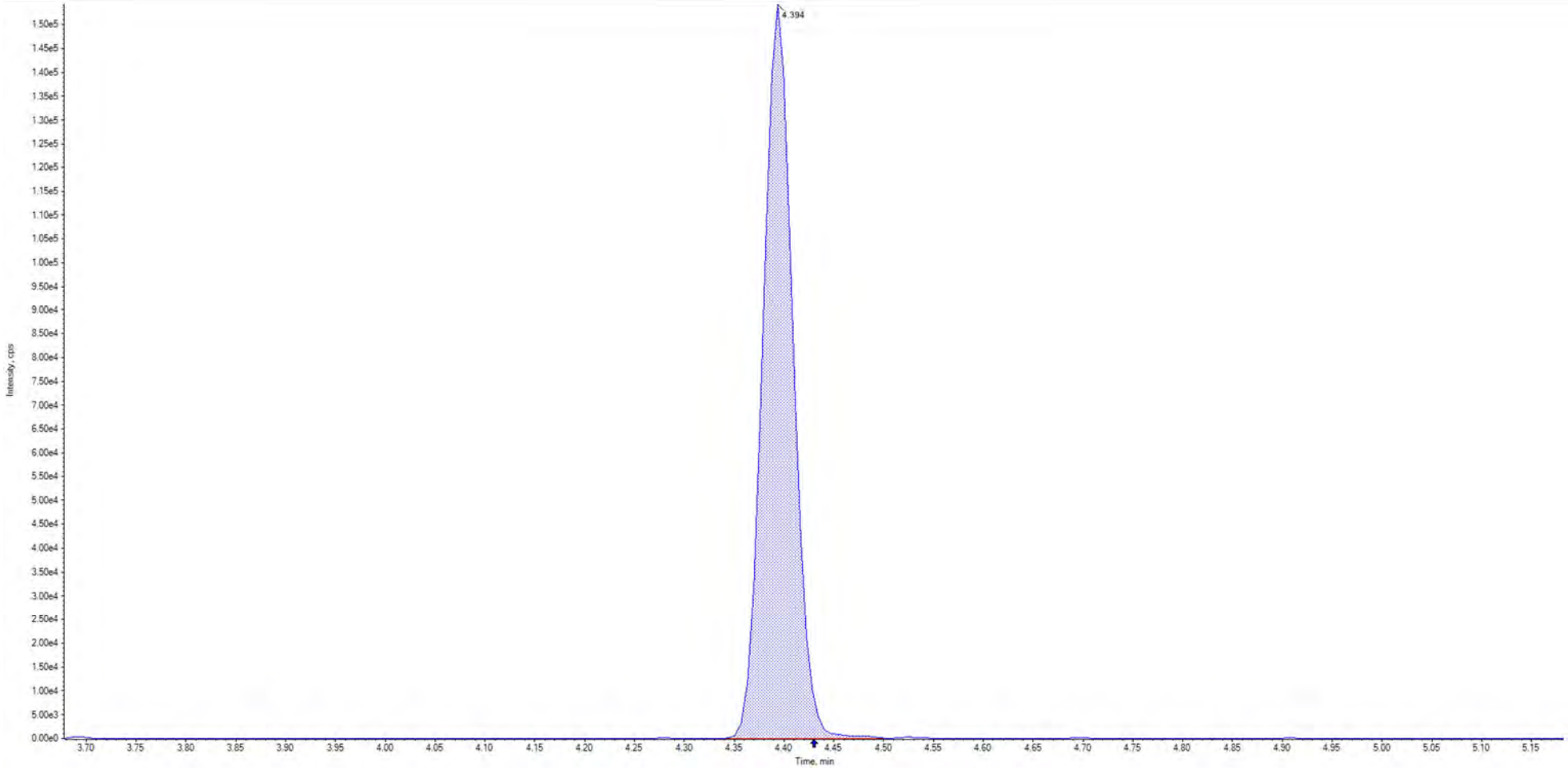


13C7-PFUnA
Sample: L2512368-16RE



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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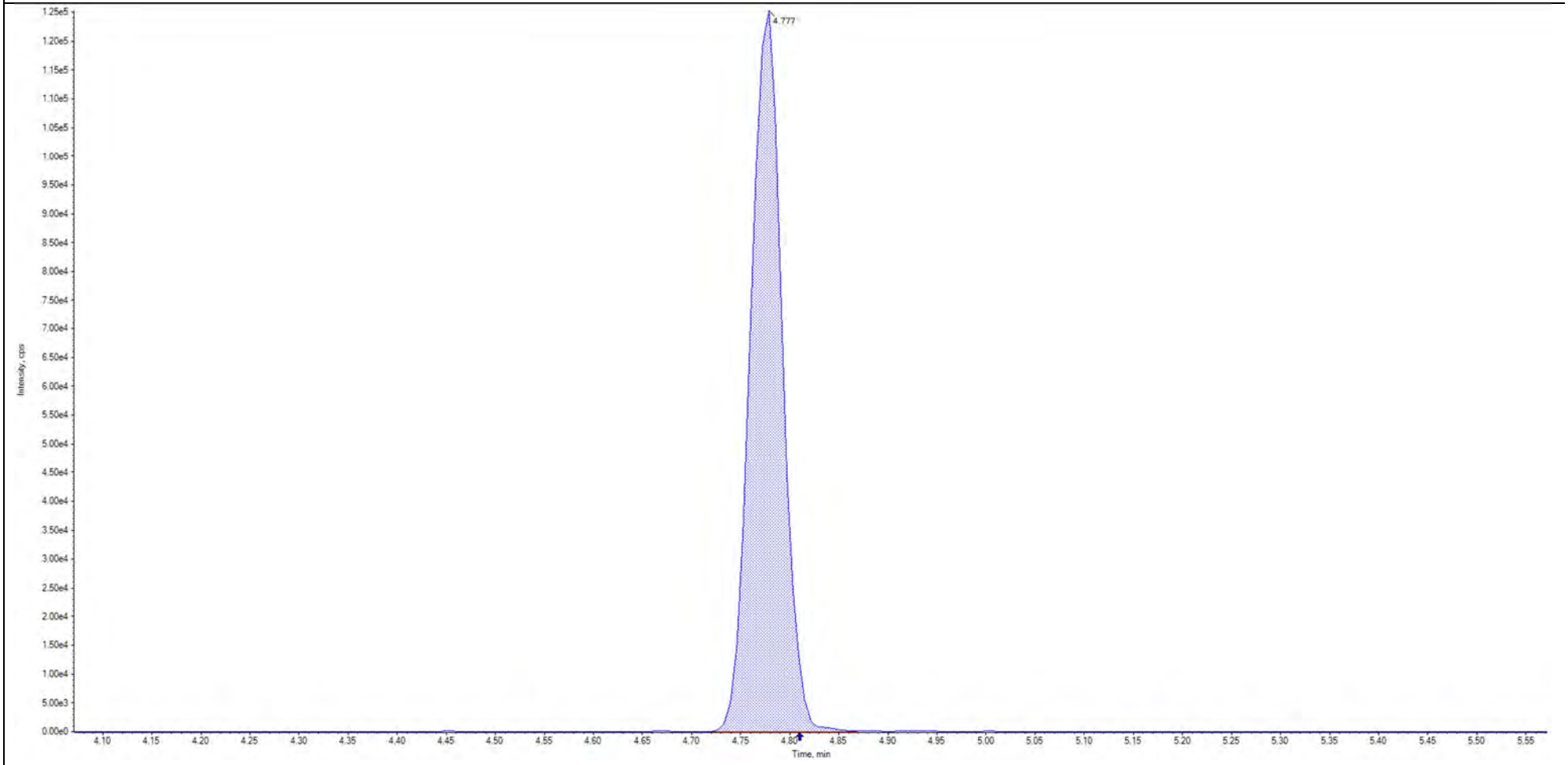
13C2-PFDoA
Sample: L2512368-16RE



13C2-PFTeDA
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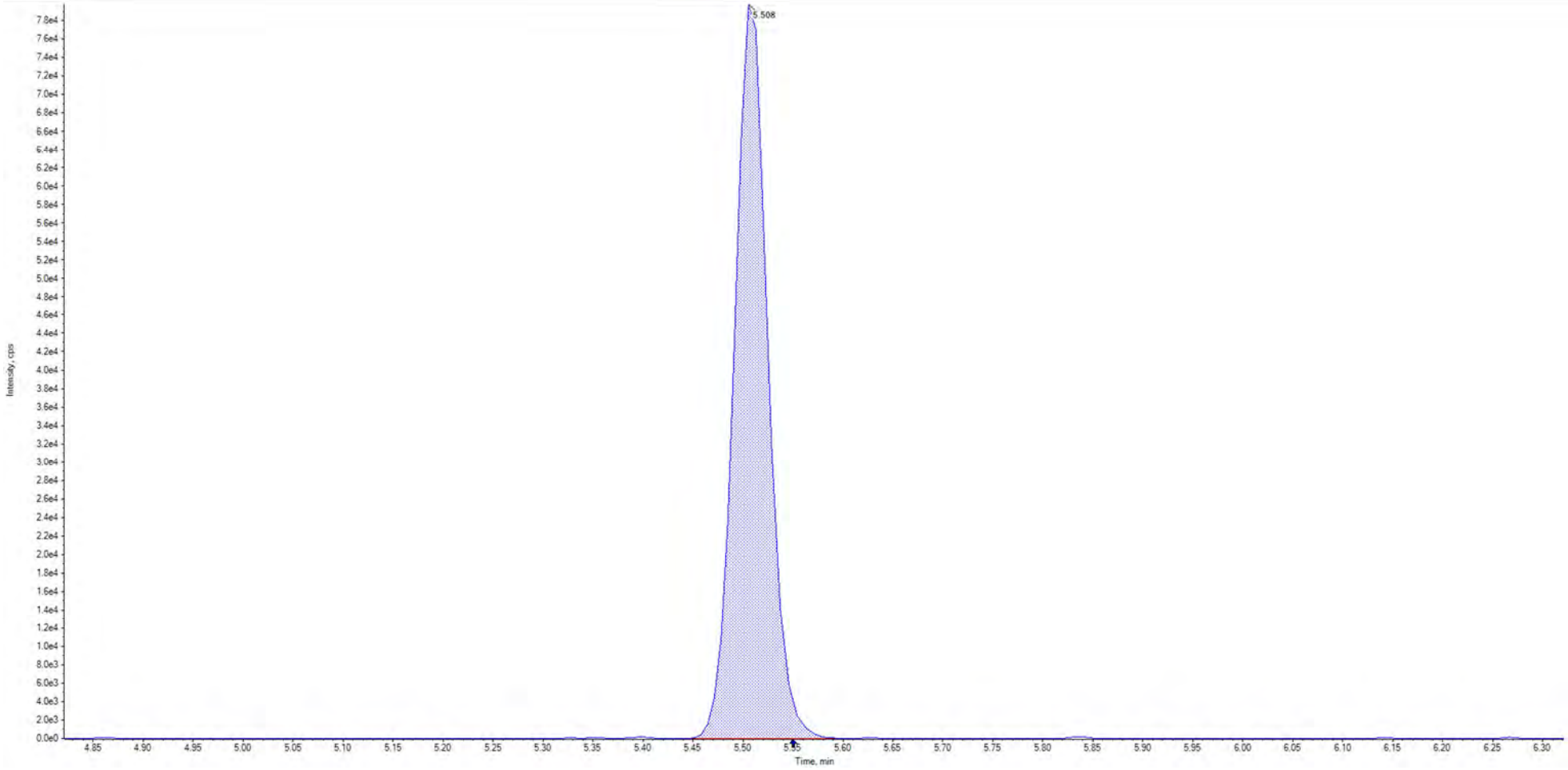
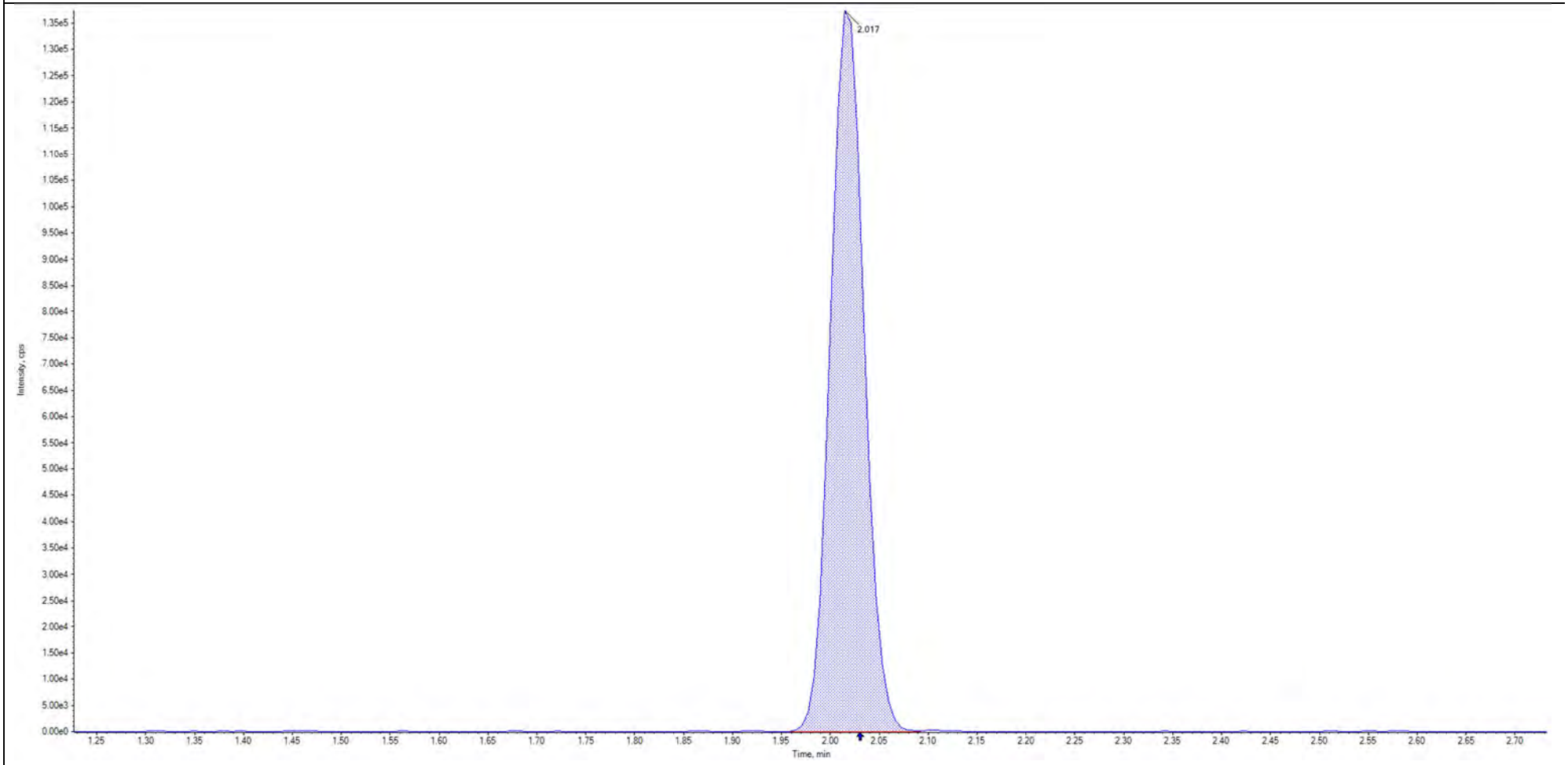


13C3-PFBS
Sample: L2512368-16RE



13C3-PFHxS
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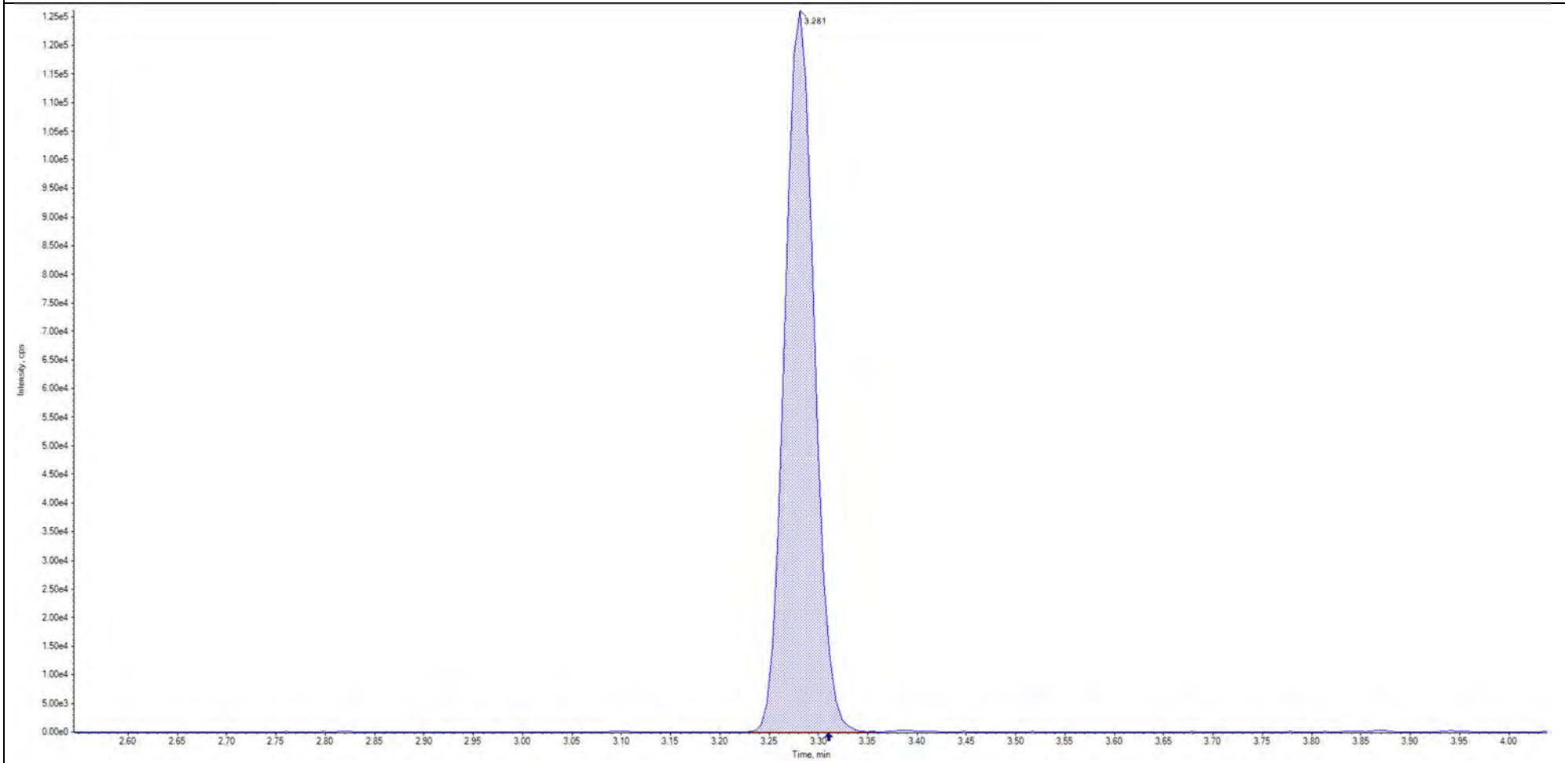

13C8-PFOS
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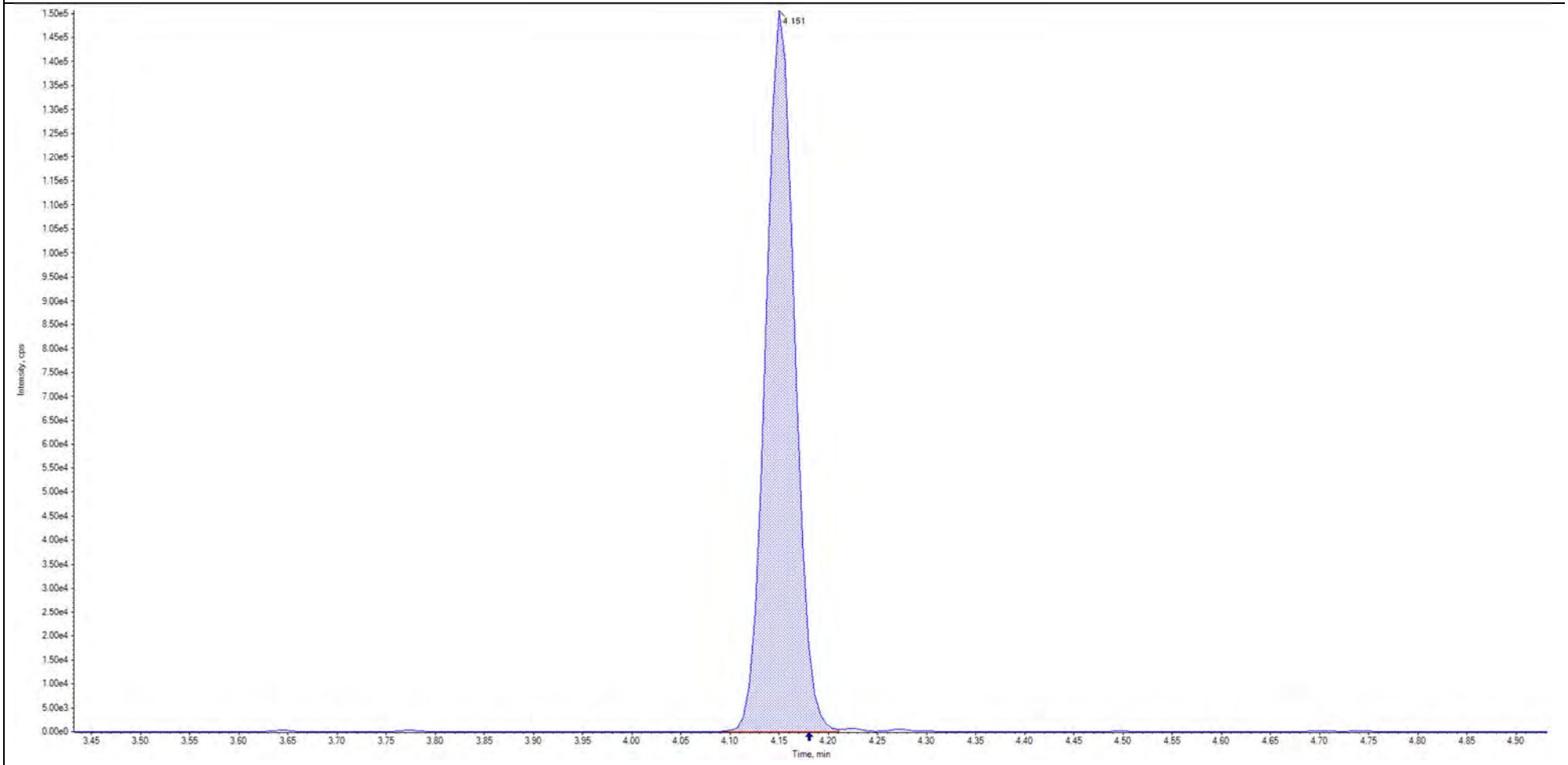

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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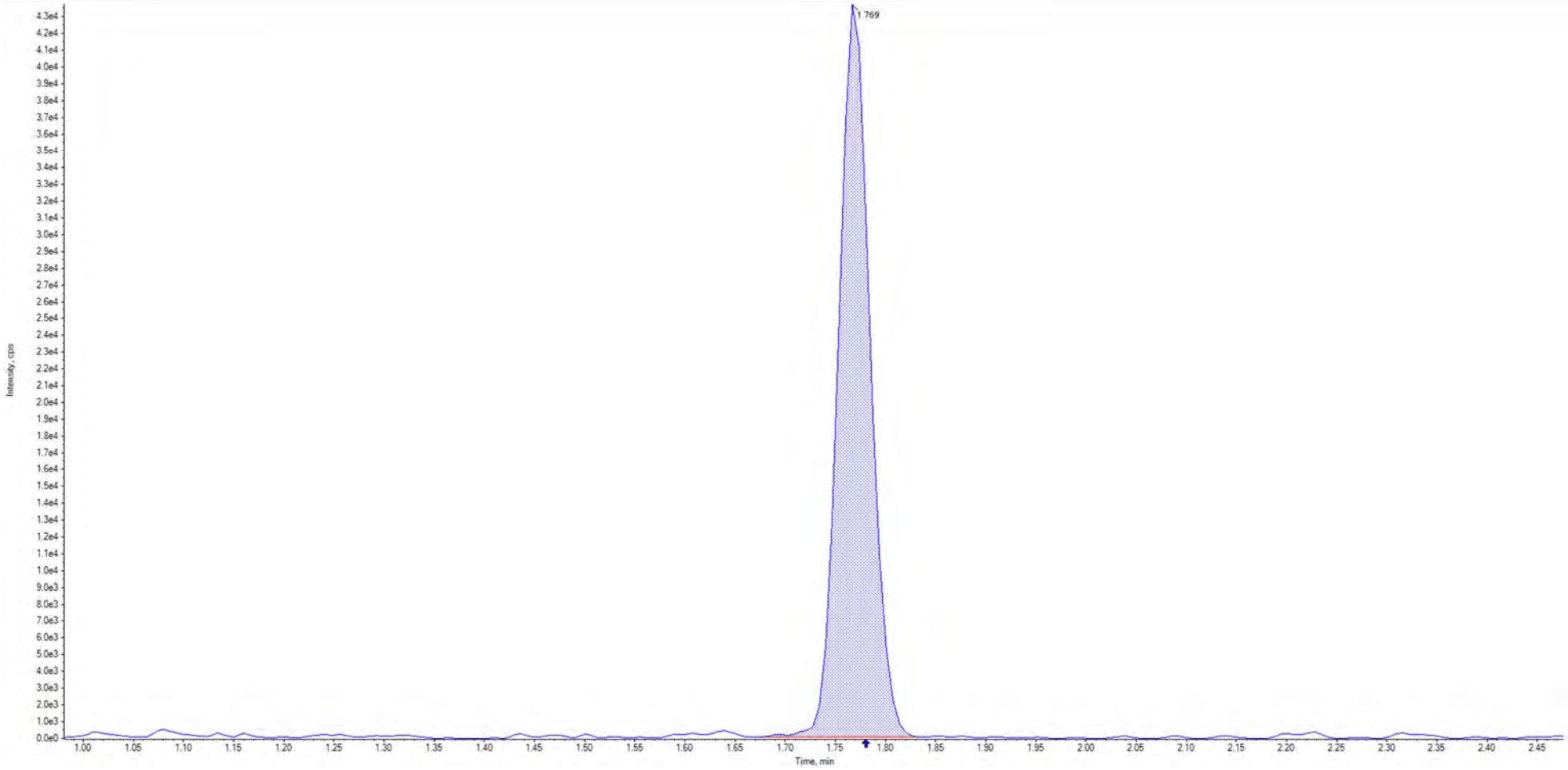
Generated: 3/17/2025 4:15:11 PM

13C2-4:2FTS
Sample: L2512368-16RE



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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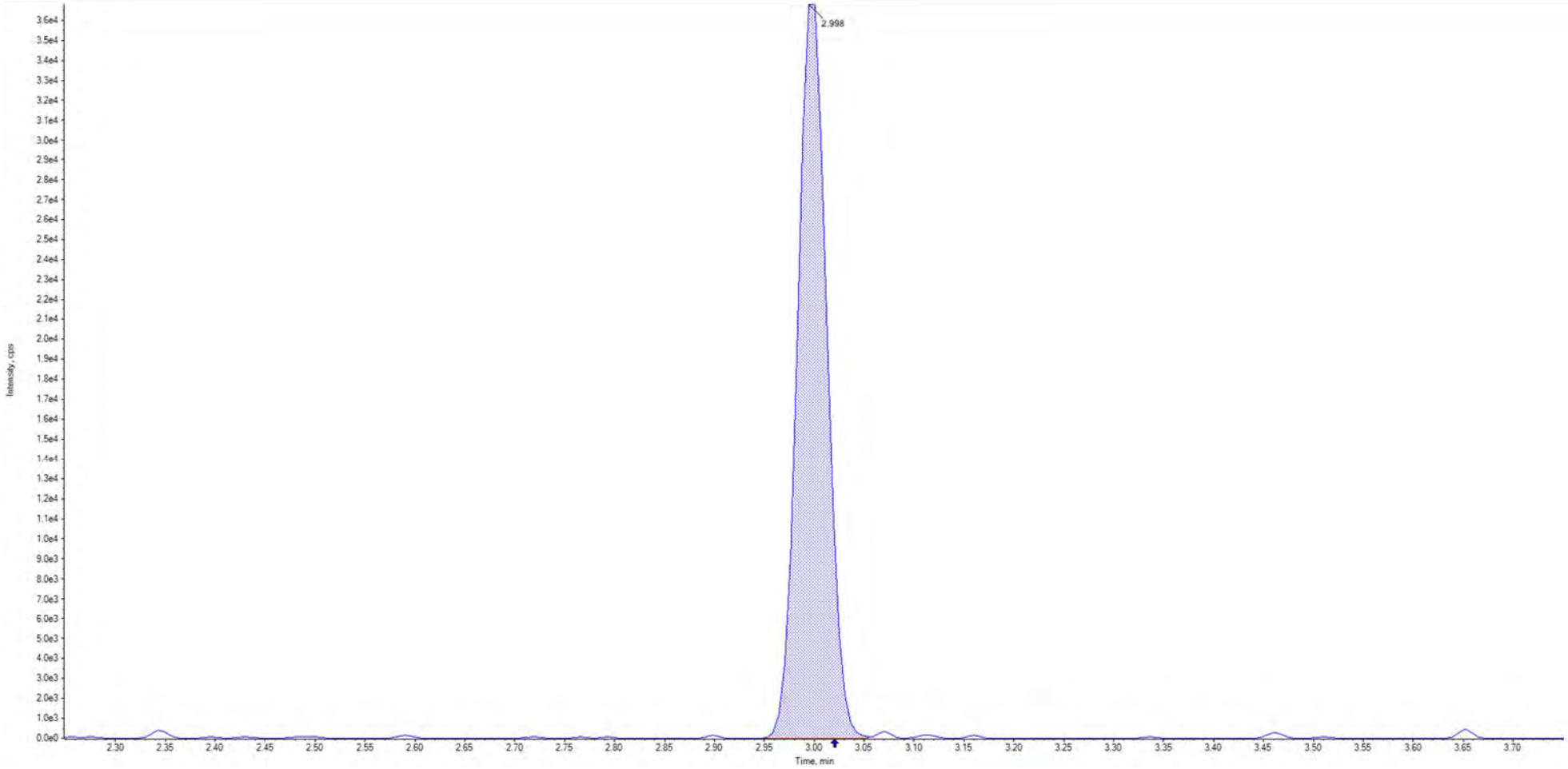
13C2-6:2FTS
Sample: L2512368-16RE



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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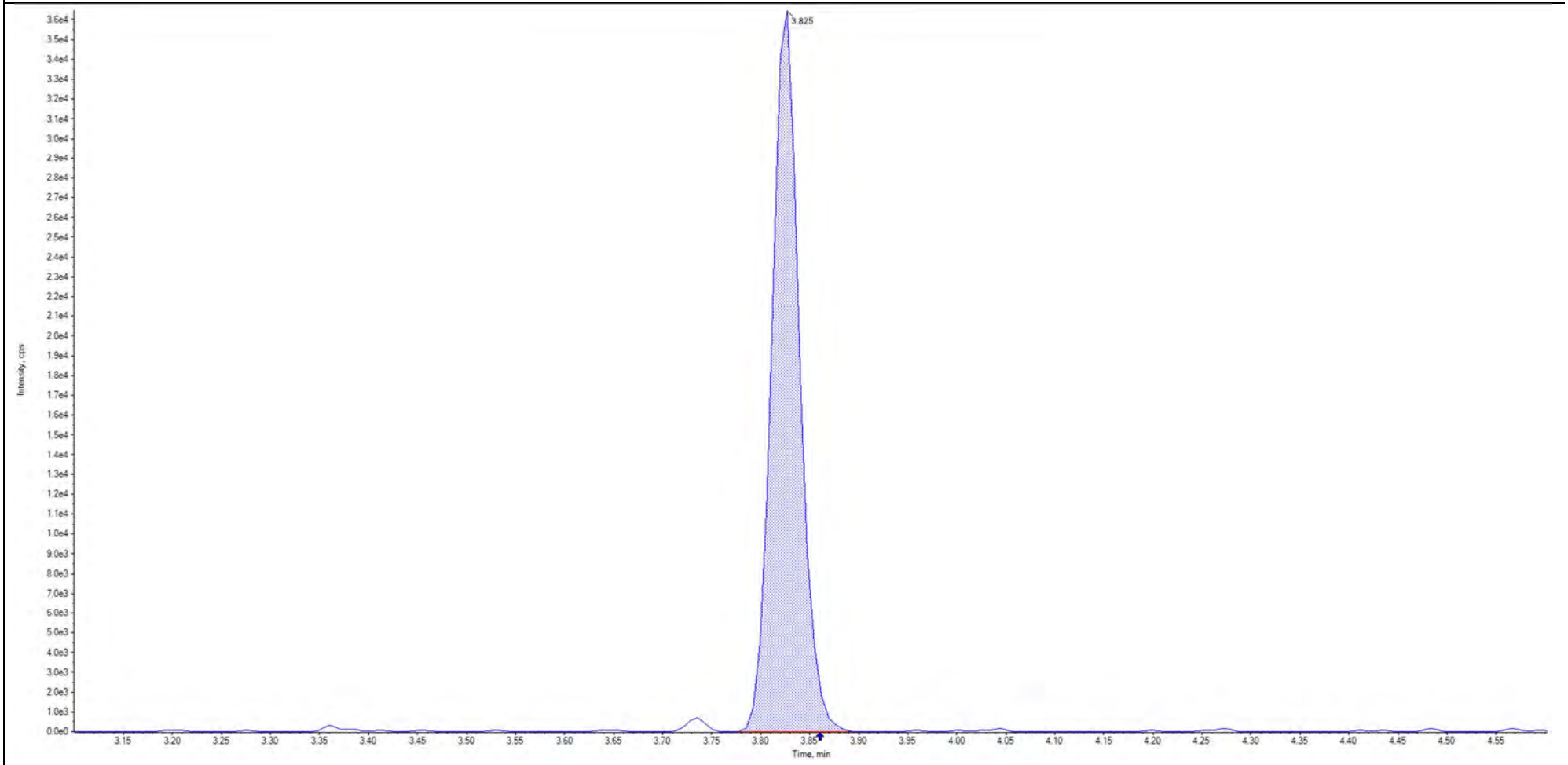
13C2-8:2FTS
Sample: L2512368-16RE



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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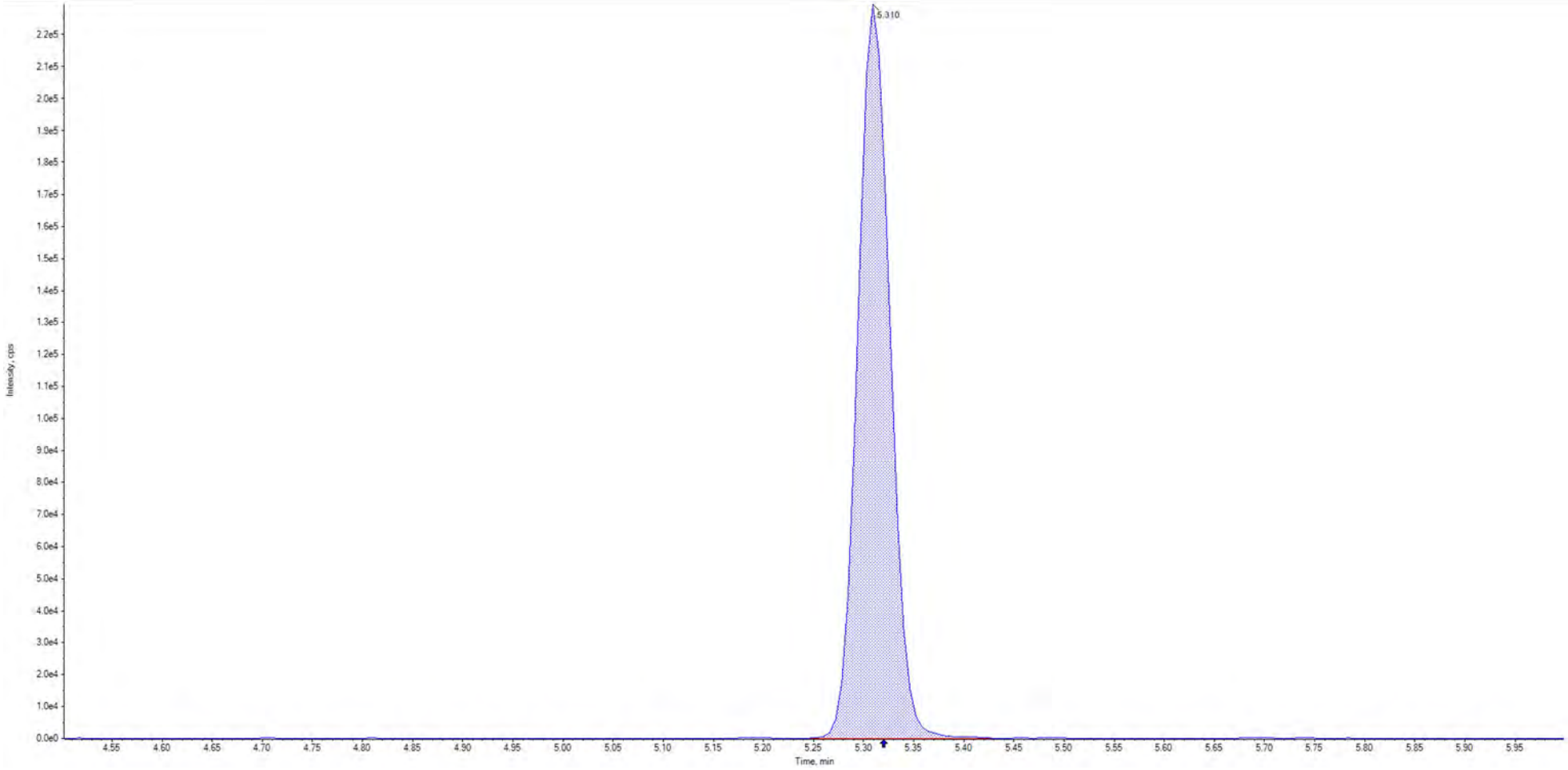
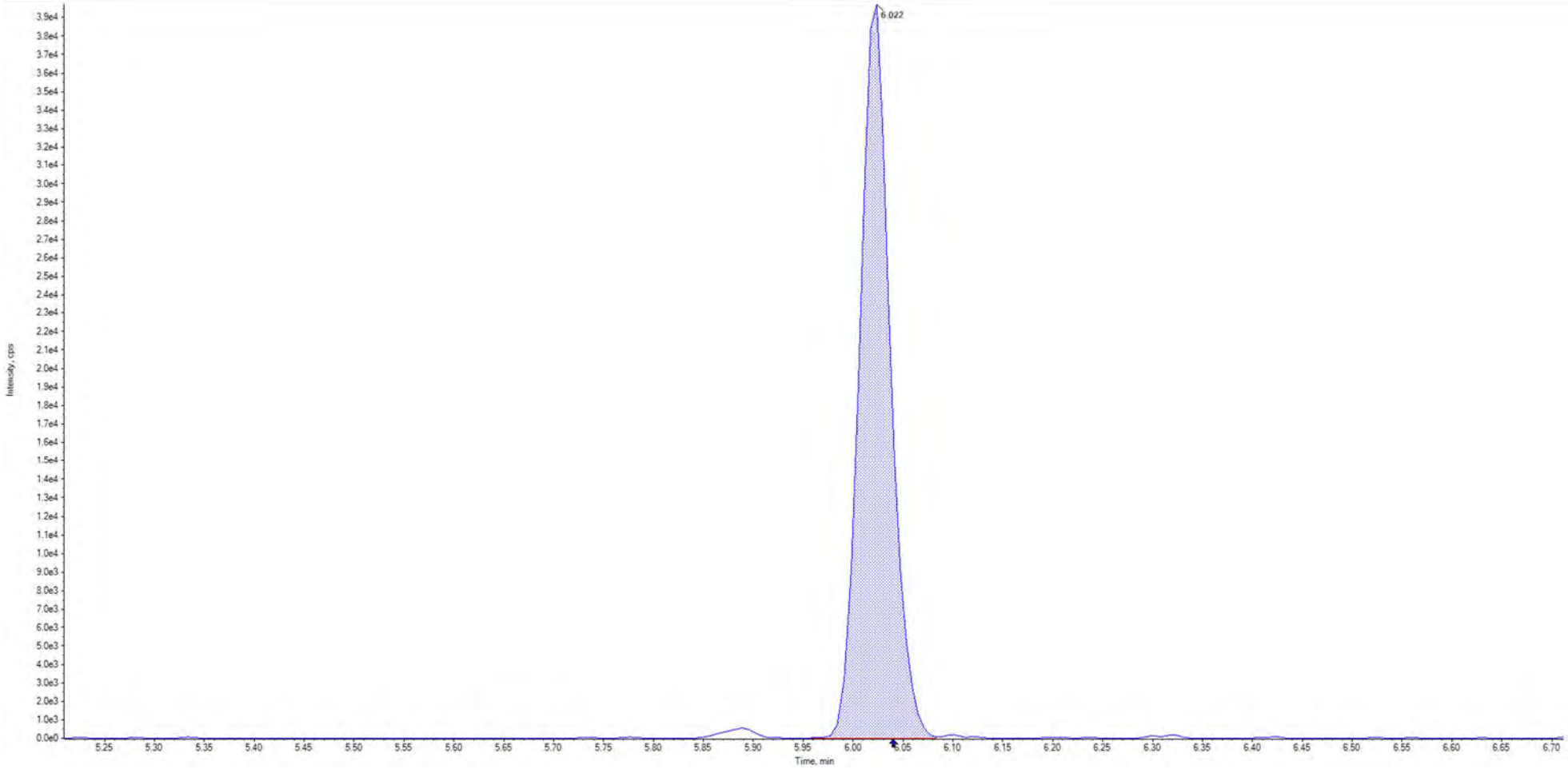
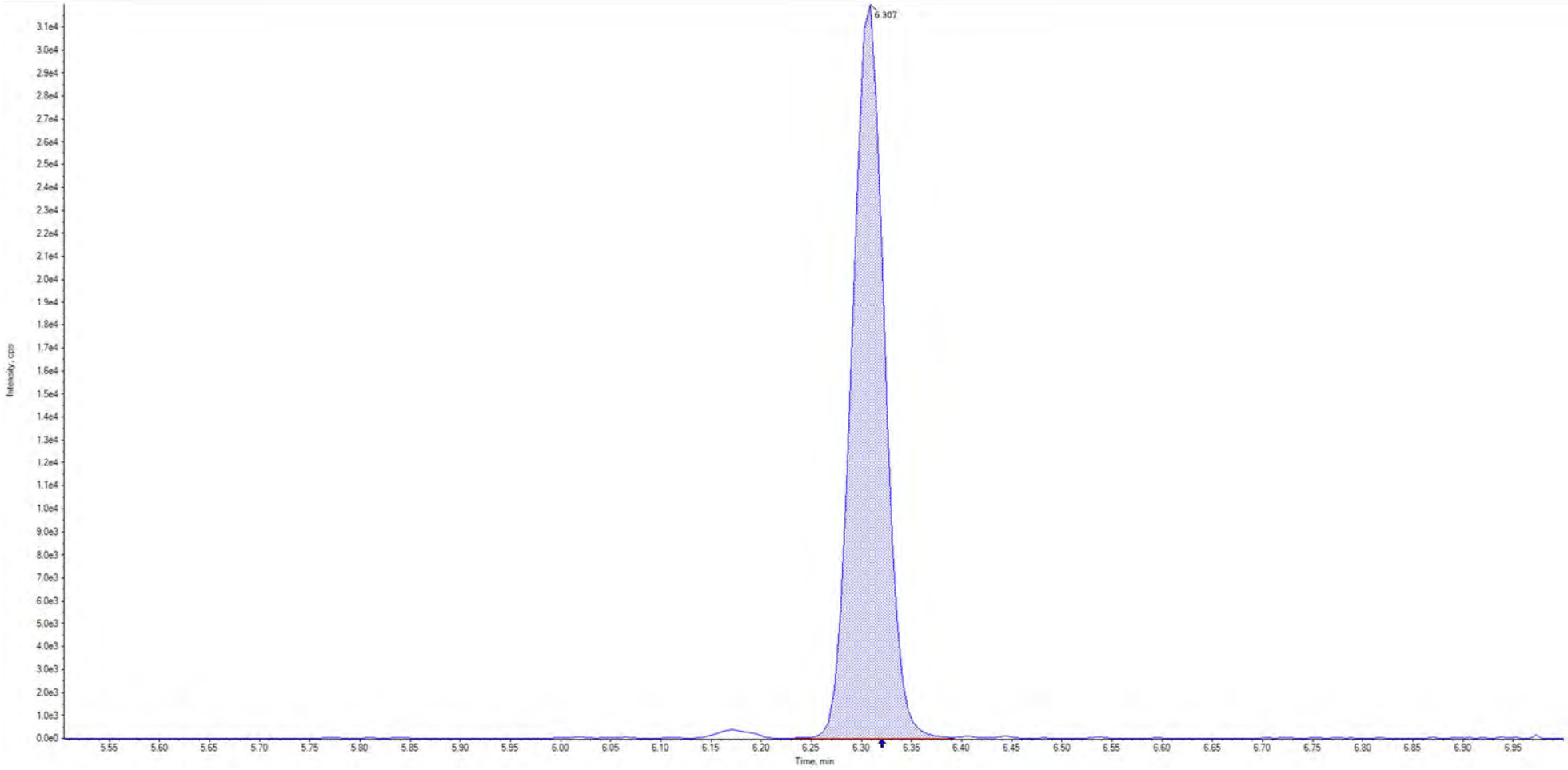
13C8-PFOSA
Sample: L2512368-16RE



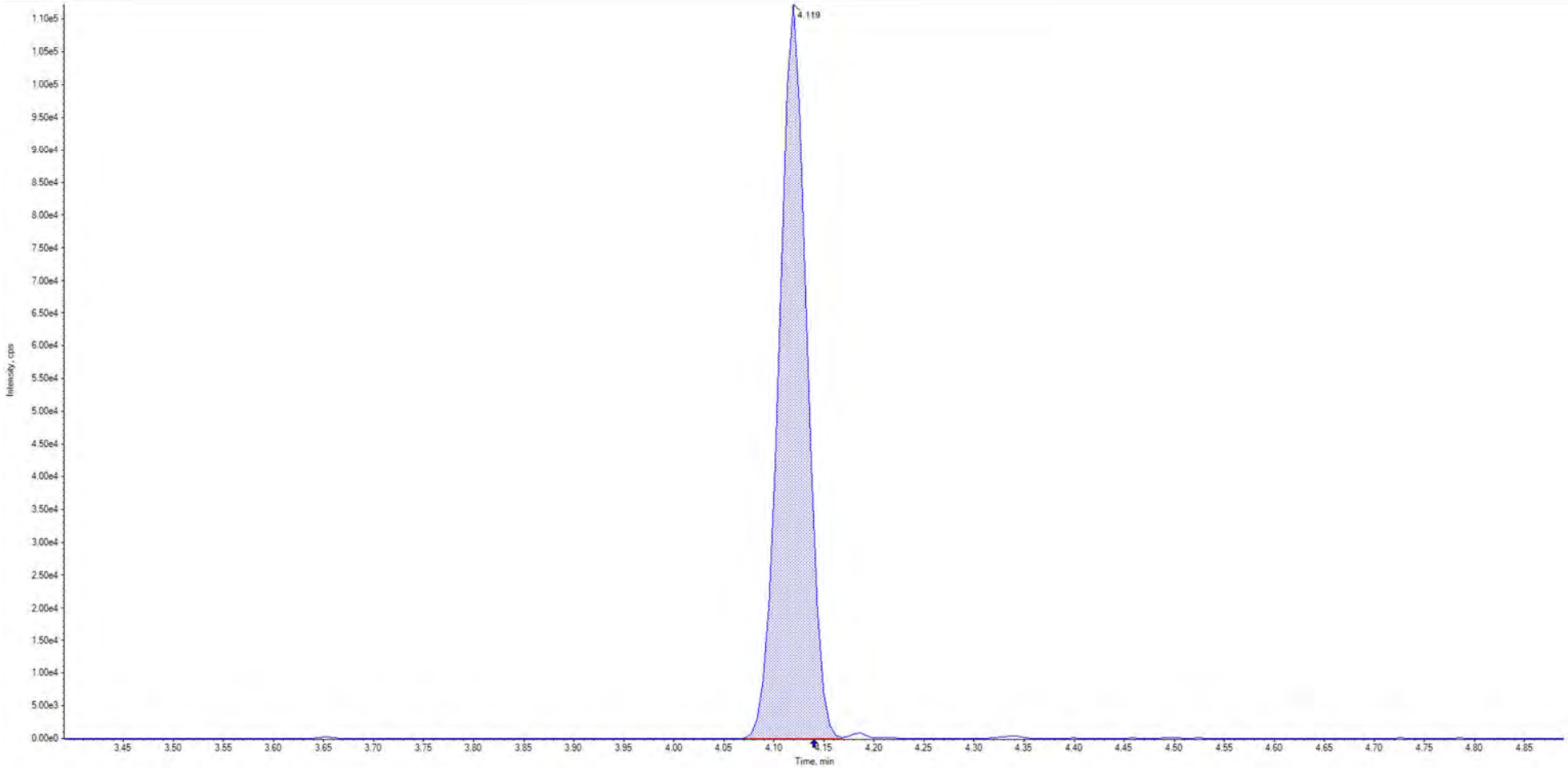
d3-NMeFOSA
Sample: L2512368-16RE



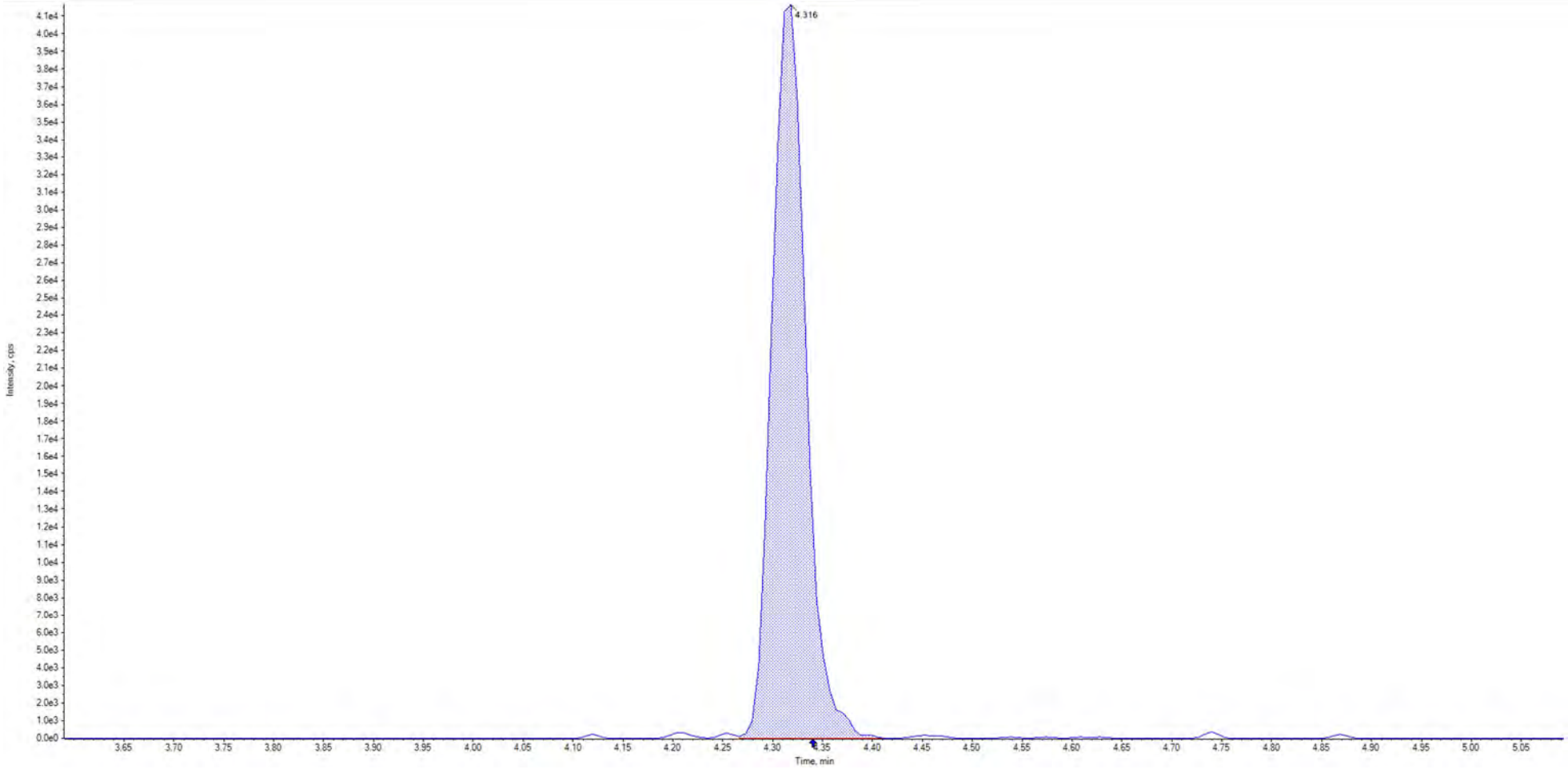
d5-NEtFOSA
Sample: L2512368-16RE



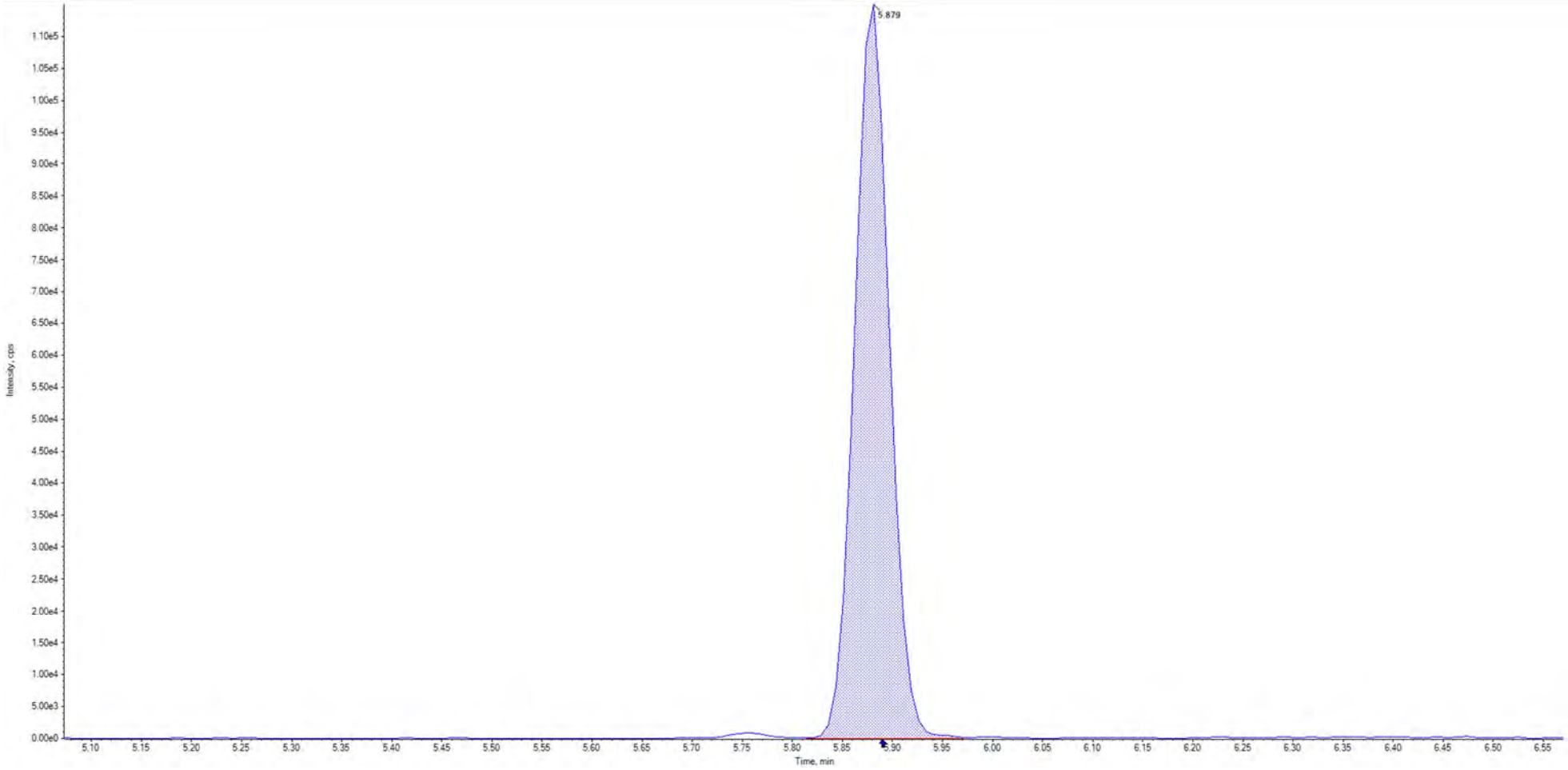
d3-NMeFOSAA
Sample: L2512368-16RE



d5-NEtFOSAA
Sample: L2512368-16RE



d7-NMeFOSE
Sample: L2512368-16RE



d9-NEtFOSE
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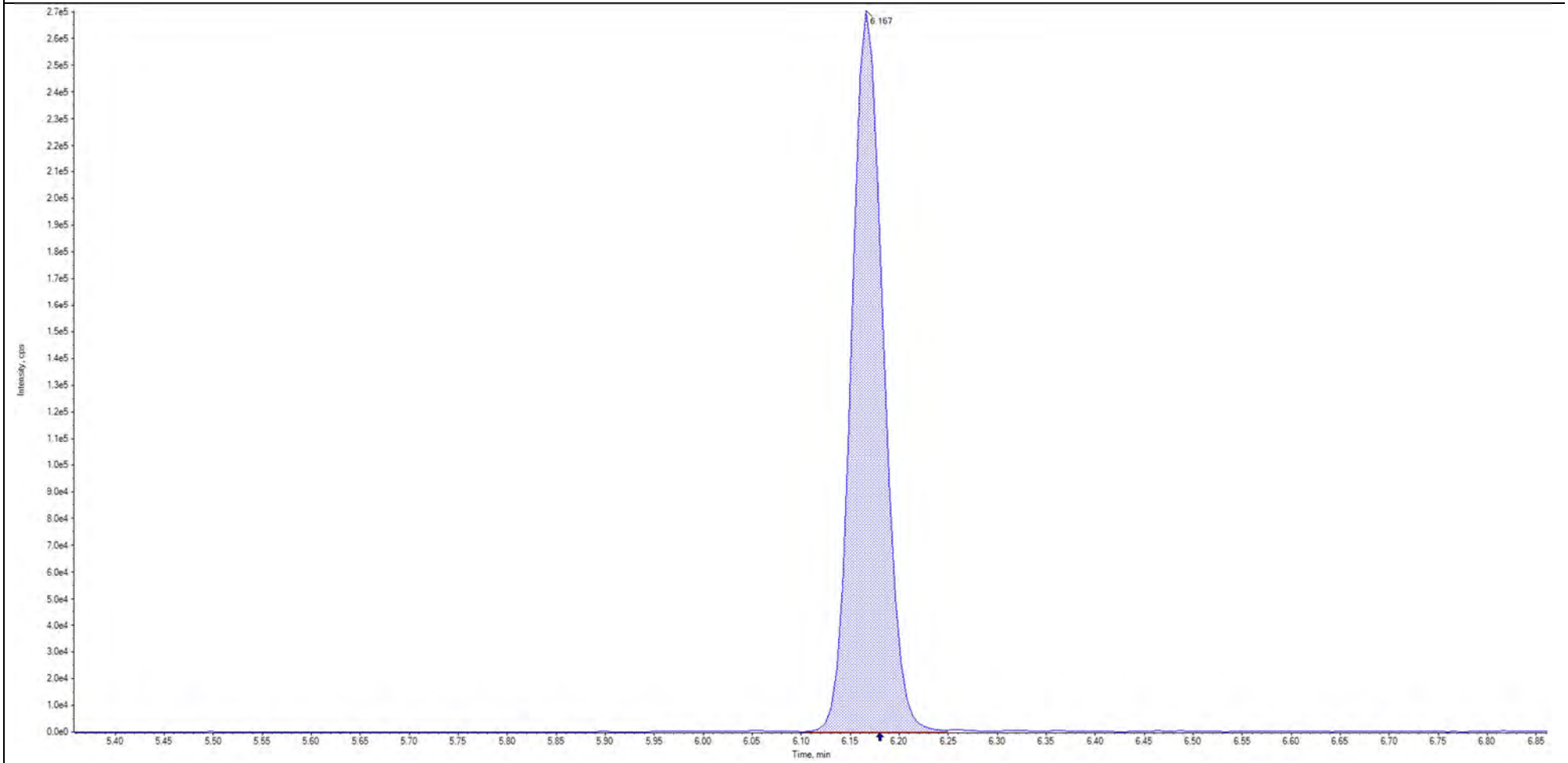
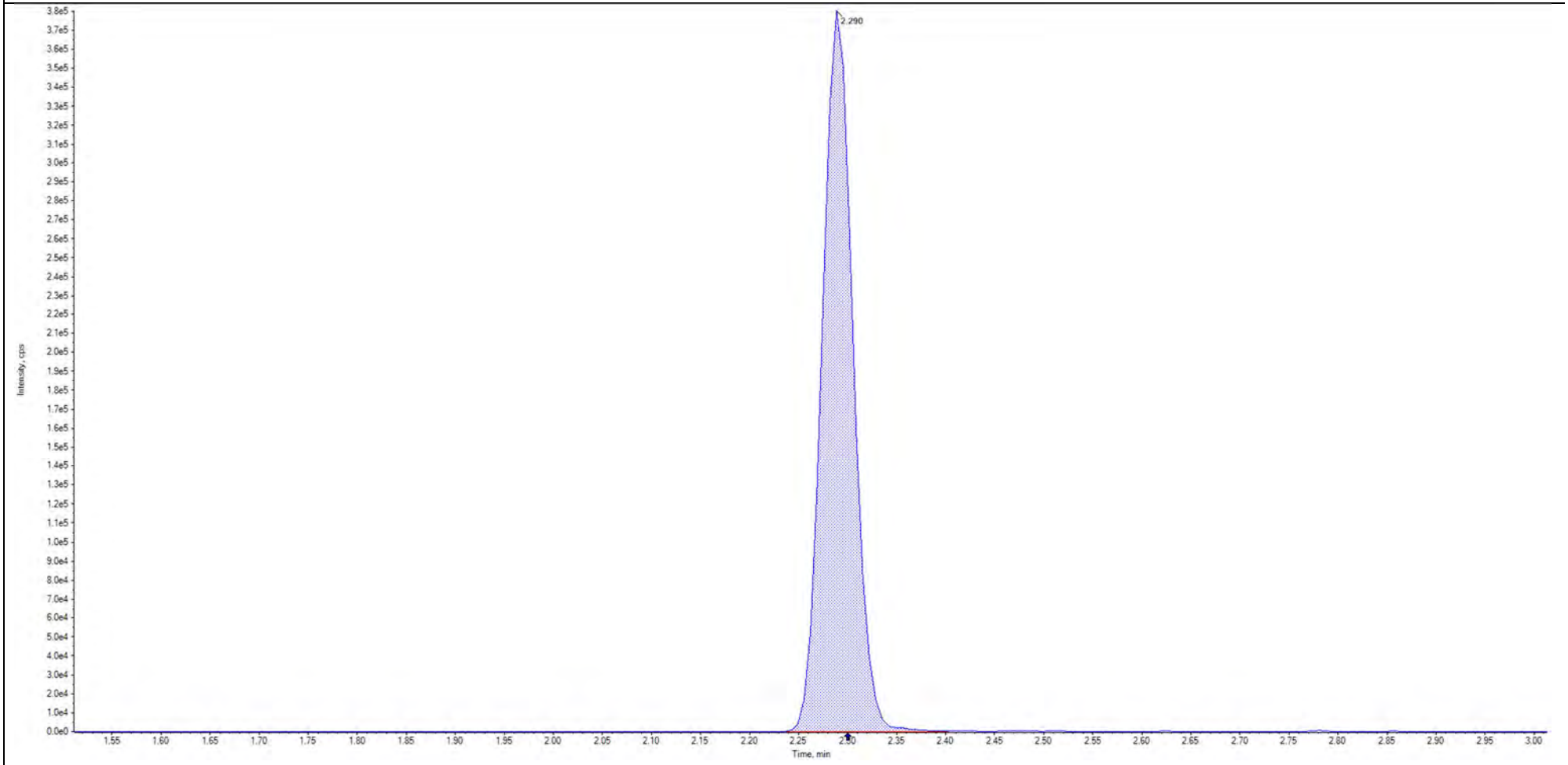


13C3-HFPO-DA
Sample: L2512368-16RE



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13C3-PFBA
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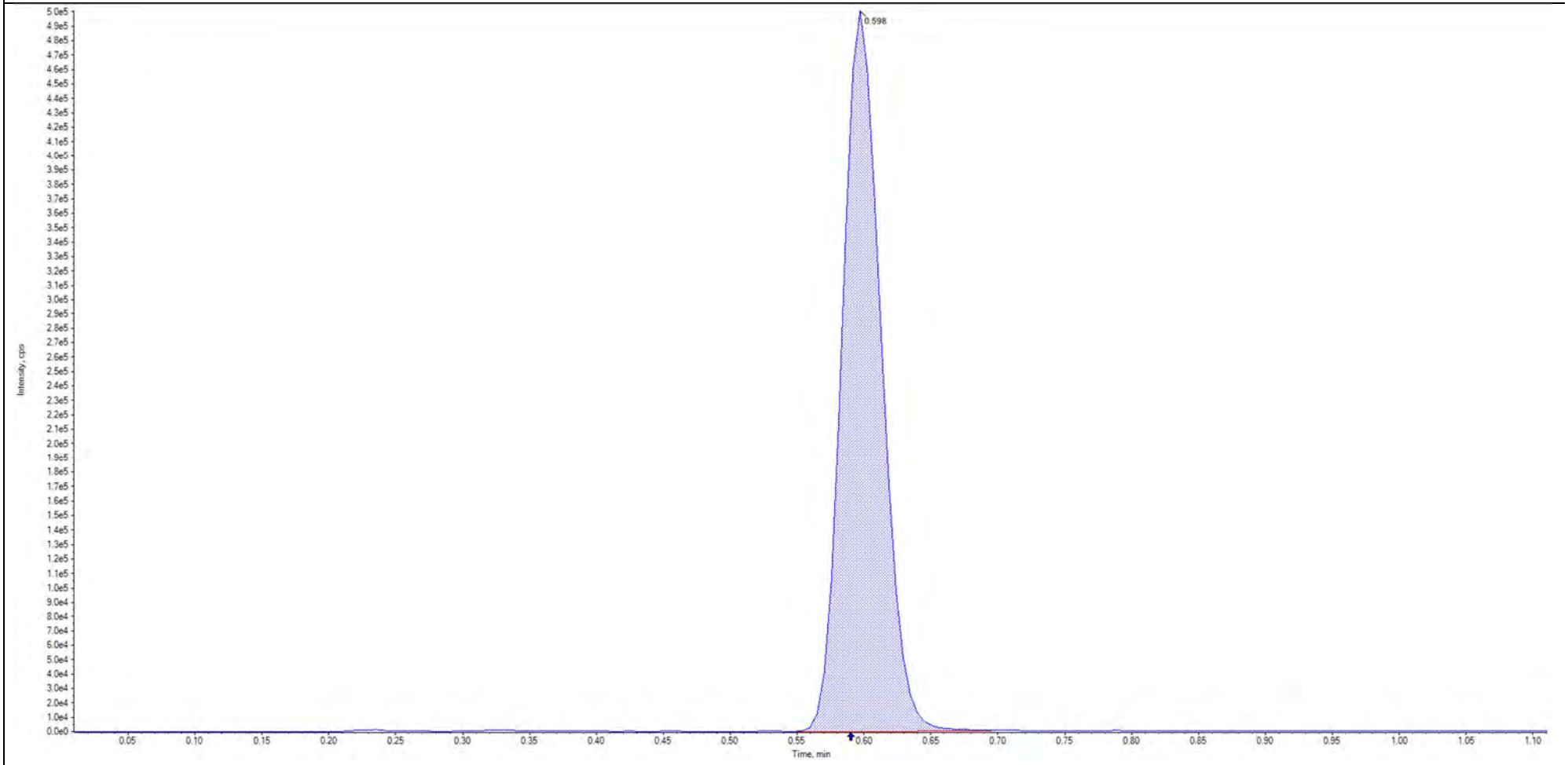

13C2-PFHxA
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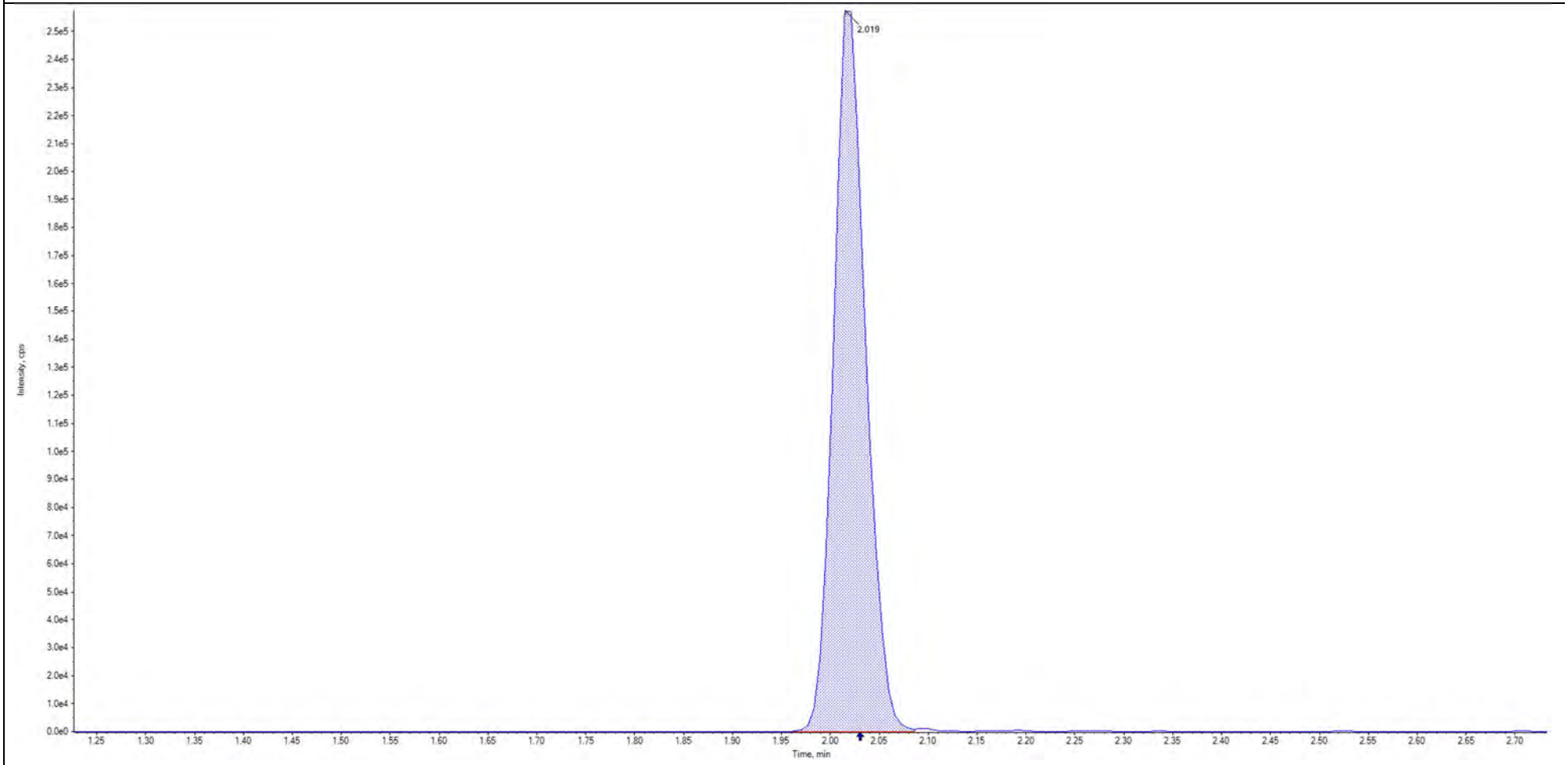

13C4-PFOA
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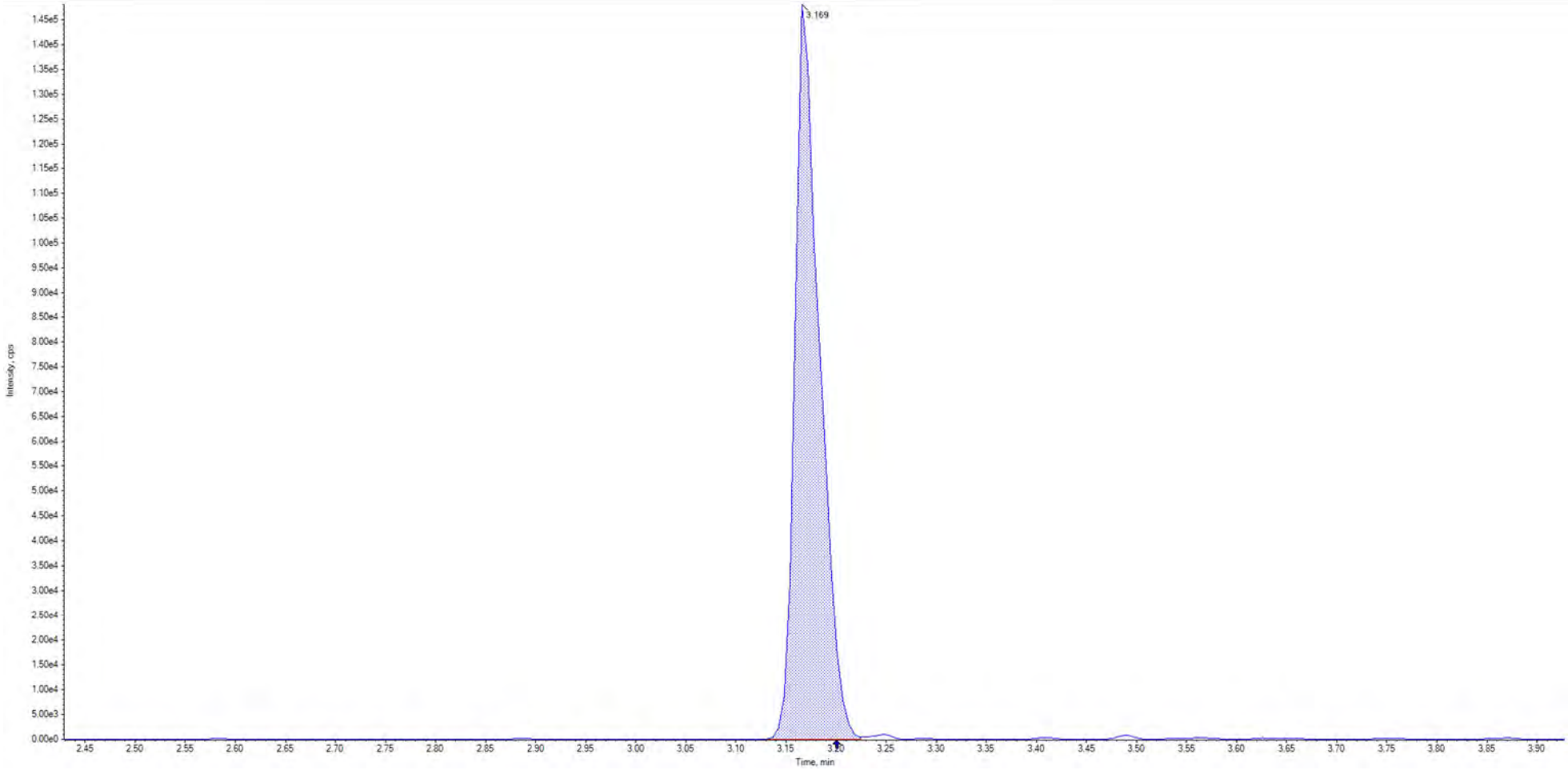

13C5-PFNA
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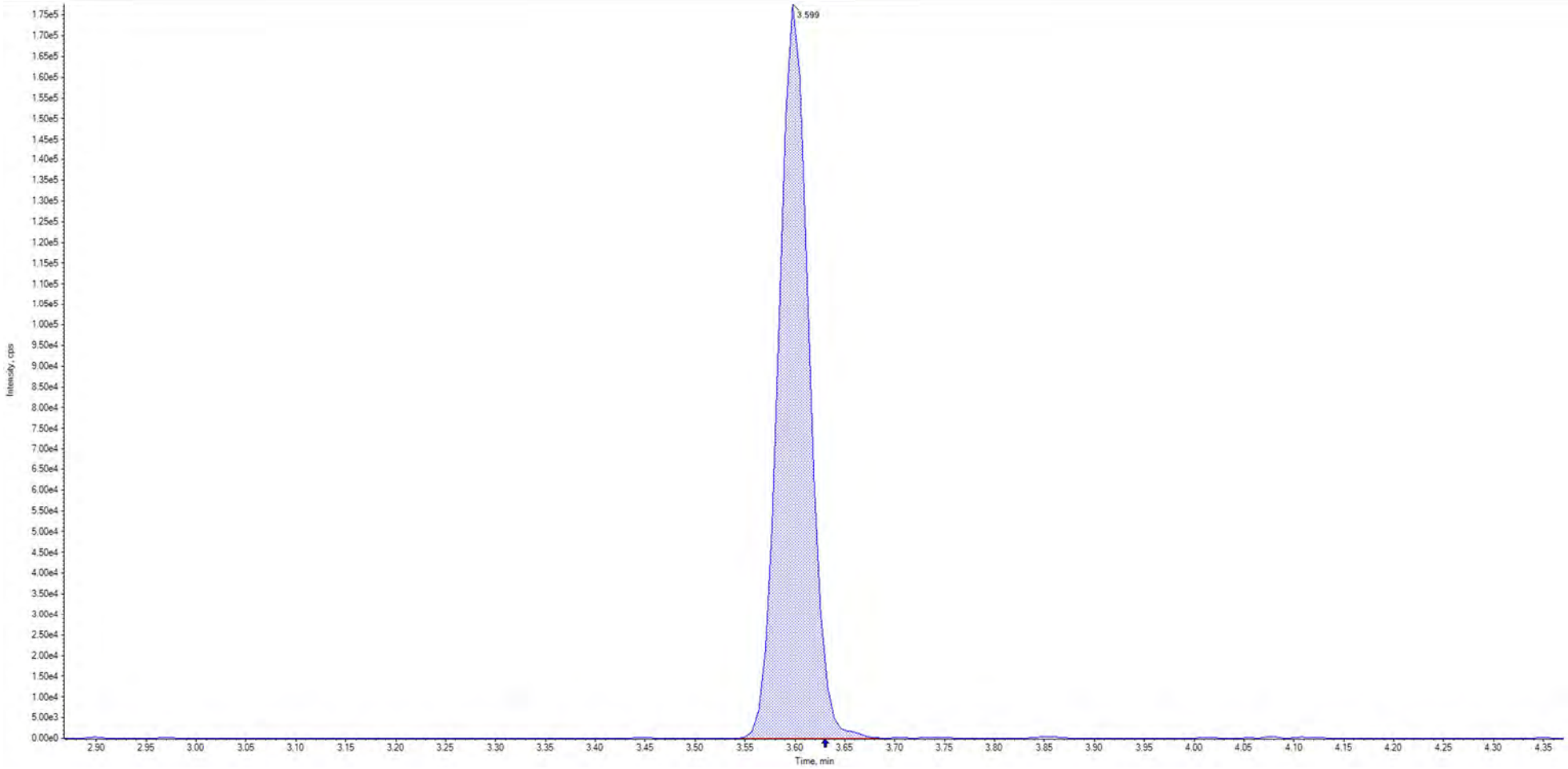

13C2-PFDA
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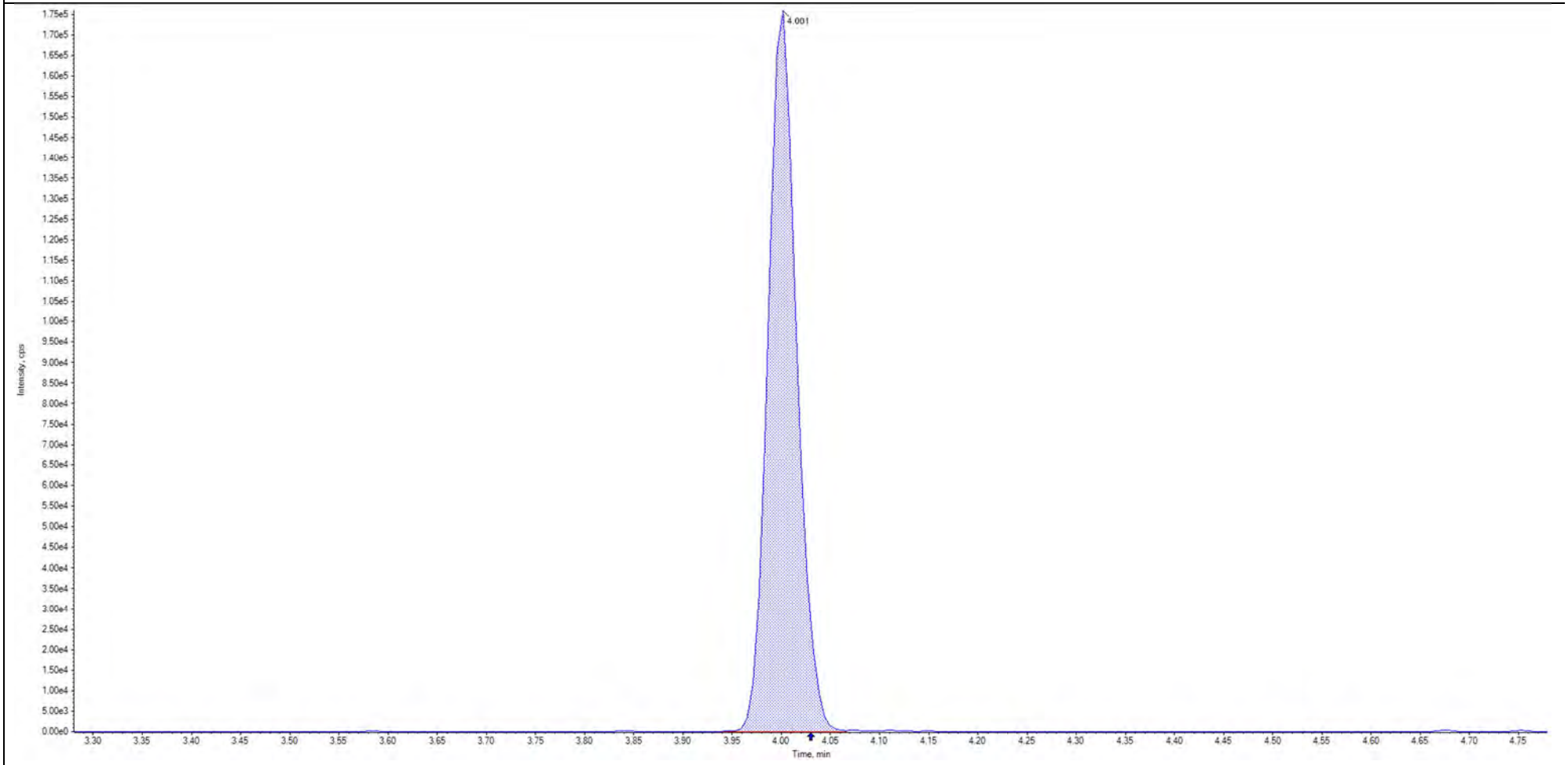
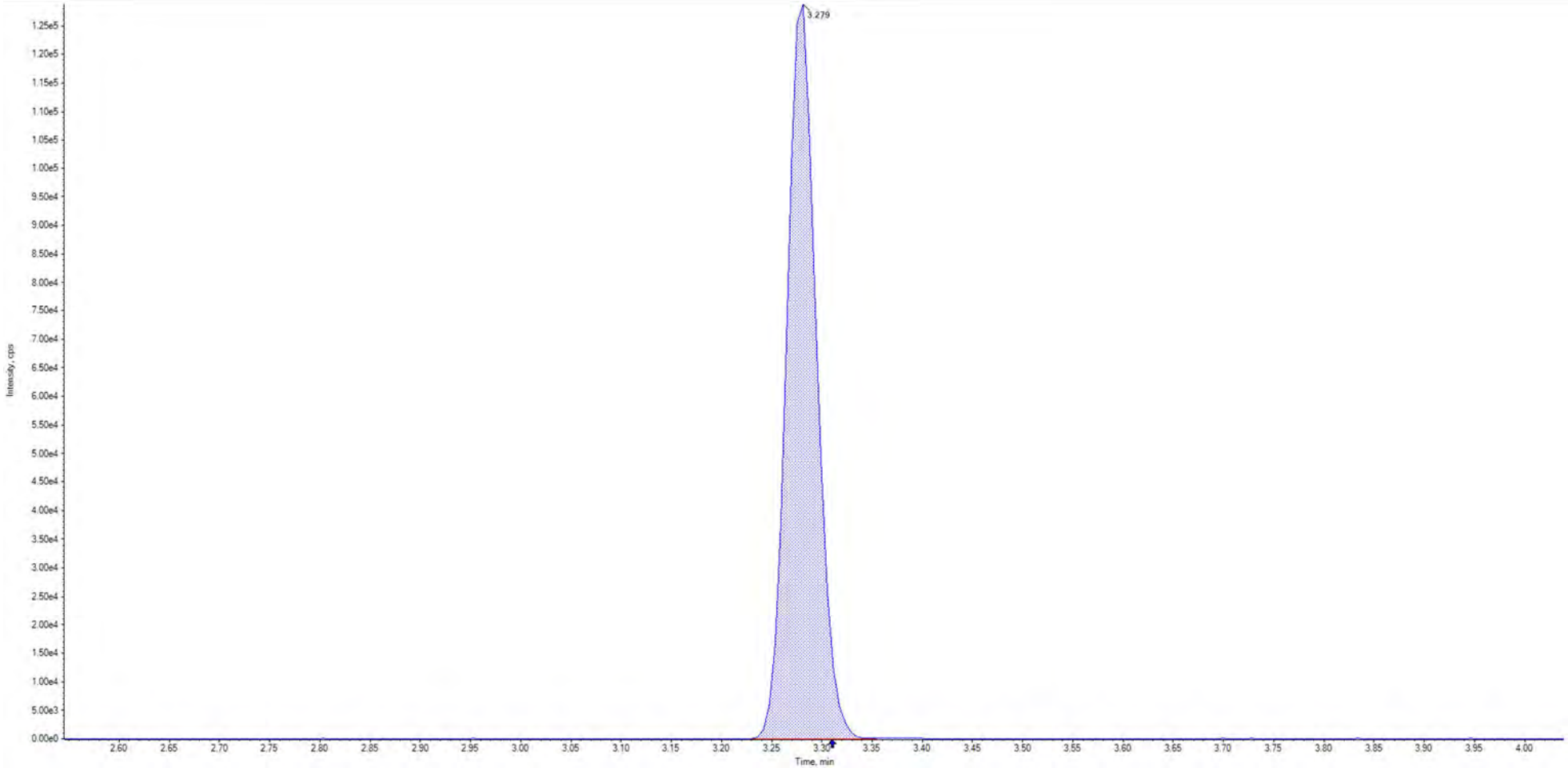
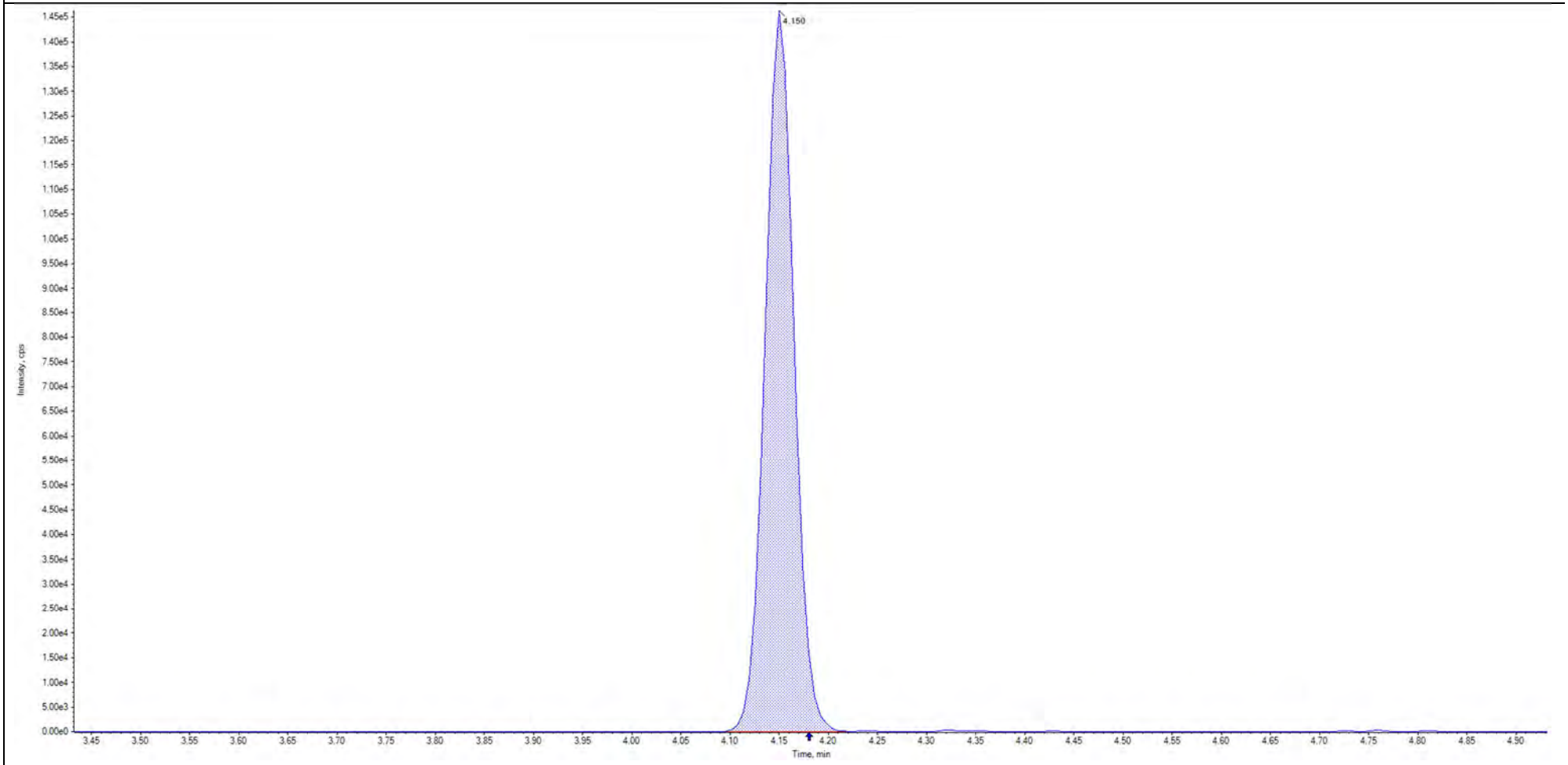


18O2-PFHxS
Sample: L2512368-16RE



13C4-PFOS
Sample: L2512368-16RE



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Alpha Analytical LLC
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Method: EPA1633F_250228A.qmethod
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Description: WG2041546,WG2041145,ICAL22042
Instrument: SCIEX Triple Quad 5500+
User: LCMS07:SL

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	0.62	213.0 / 169.0	68953		0.357	N/A	N/A	N/A	N/A
2	PFPeA	2706-90-3	1.22	263.0 / 219.0	8460		0.056	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	2.05	313.0 / 269.0	21384		0.095	0.099	0.067	Pass	N/A
5	PFHxA_2	307-24-4	2.06	313.0 / 119.0	2126		0.142	0.099	0.067	Pass	N/A
6	PFHpA	375-85-9	2.73	363.1 / 319.0	22030		0.088	0.332	0.345	Pass	N/A
7	PFHpA_2	375-85-9	2.72	363.1 / 169.0	7314		0.084	0.332	0.345	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	3.21	413.1 / 369.1	138317	M5	0.554	0.343	0.365	Pass	N/A
9	PFOA_2	335-67-1	3.21	413.1 / 169.0	47465	M5	0.508	0.343	0.365	Pass	N/A
10	PFNA	375-95-1	3.63	462.8 / 418.9	29852		0.143	0.307	0.352	Pass	N/A
11	PFNA_2	375-95-1	3.63	462.8 / 219.0	9173		0.133	0.307	0.352	Pass	N/A
12	PFDA	335-76-2	4.03	513.1 / 469.1	15783		0.068	0.145	0.185	Pass	N/A
13	PFDA_2	335-76-2	4.03	513.1 / 219.0	2285		0.056	0.145	0.185	Pass	N/A
14	PFUnA	2058-94-8	N/A	563.1 / 519.1	N/A		N/A	N/A	0.166	N/A	N/A
15	PFUnA_2	2058-94-8	N/A	563.1 / 269.0	N/A		N/A	N/A	0.166	N/A	N/A
16	PFDoA	307-55-1	N/A	613.1 / 569.1	N/A		N/A	N/A	0.150	N/A	N/A
17	PFDoA_2	307-55-1	N/A	613.1 / 319.0	N/A		N/A	N/A	0.150	N/A	N/A
18	PFTrDA	72629-94-8	N/A	663.1 / 619.1	N/A		N/A	N/A	0.134	N/A	N/A
19	PFTrDA_2	72629-94-8	N/A	663.1 / 169.0	N/A		N/A	N/A	0.134	N/A	N/A
20	PFTeDA	376-06-7	N/A	713.1 / 669.1	N/A		N/A	N/A	0.150	N/A	N/A
21	PFTeDA_2	376-06-7	N/A	713.1 / 169.0	N/A		N/A	N/A	0.150	N/A	N/A
22	PFBS	375-73-5	2.05	299.1 / 80.1	22187		0.141	0.411	0.341	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	2.05	299.1 / 99.1	9117		0.163	0.411	0.341	Pass	N/A
24	PFPeS	2706-91-4	2.79	349.1 / 80.1	3513	M4	0.026	0.435	0.296	Pass	N/A
25	PFPeS_2	2706-91-4	2.78	349.1 / 99.1	1527		0.039	0.435	0.296	Pass	N/A
26	PFHxS	355-46-4	3.31	399.1 / 80.1	26500	M5	0.226	0.250	0.298	Pass	N/A
27	PFHxS_2	355-46-4	3.31	399.1 / 99.1	6633	M5	0.195	0.250	0.298	Pass	N/A
28	PFHpS	375-92-8	N/A	449.1 / 80.1	N/A		N/A	N/A	0.277	N/A	N/A
29	PFHpS_2	375-92-8	N/A	449.1 / 99.1	N/A		N/A	N/A	0.277	N/A	N/A
30	PFOS	1763-23-1	4.18	499.1 / 80.1	81340	M5	0.564	0.215	0.236	Pass	N/A
31	PFOS_2	1763-23-1	4.18	499.1 / 99.1	17479	M5	0.517	0.215	0.236	Pass	N/A
32	PFNS	68259-12-1	N/A	549.1 / 80.1	N/A		N/A	N/A	0.265	N/A	N/A
33	PFNS_2	68259-12-1	N/A	549.1 / 99.1	N/A		N/A	N/A	0.265	N/A	N/A
34	PFDS	335-77-3	N/A	599.1 / 80.1	N/A		N/A	N/A	0.275	N/A	N/A
35	PFDS_2	335-77-3	N/A	599.1 / 99.1	N/A		N/A	N/A	0.275	N/A	N/A
36	PFDoS	79780-39-5	N/A	699.2 / 80.1	N/A		N/A	N/A	0.245	N/A	N/A
37	PFDoS_2	79780-39-5	N/A	699.2 / 99.1	N/A		N/A	N/A	0.245	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	0.542	N/A	N/A
39	4:2FTS_2	757124-72-4	N/A	327.1 / 81.1	N/A		N/A	N/A	0.542	N/A	N/A
40	6:2FTS	27619-97-2	N/A	427.2 / 407.2	N/A		N/A	N/A	0.555	N/A	N/A
41	6:2FTS_2	27619-97-2	N/A	427.2 / 81.1	N/A		N/A	N/A	0.555	N/A	N/A
42	8:2FTS	39108-34-4	N/A	527.2 / 507.2	N/A		N/A	N/A	0.824	N/A	N/A
43	8:2FTS_2	39108-34-4	N/A	527.2 / 81.1	N/A		N/A	N/A	0.824	N/A	N/A
44	PFOSA	754-91-6	N/A	498.1 / 78.1	N/A		N/A	N/A	0.029	N/A	N/A
45	PFOSA_2	754-91-6	N/A	498.1 / 478.0	N/A		N/A	N/A	0.029	N/A	N/A
46	NMeFOSA	31506-32-8	N/A	512.2 / 219.0	N/A		N/A	N/A	1.426	N/A	N/A
47	NMeFOSA_2	31506-32-8	N/A	512.2 / 169.0	N/A		N/A	N/A	1.426	N/A	N/A
48	NEtFOSA	4151-50-2	N/A	526.2 / 219.0	N/A		N/A	N/A	1.166	N/A	N/A
49	NEtFOSA_2	4151-50-2	N/A	526.2 / 169.0	N/A		N/A	N/A	1.166	N/A	N/A
50	NMeFOSAA	2355-31-9	N/A	570.2 / 419.1	N/A		N/A	N/A	0.729	N/A	N/A
51	NMeFOSAA_2	2355-31-9	N/A	570.2 / 483.0	N/A		N/A	N/A	0.729	N/A	N/A
52	NEtFOSAA	2991-50-6	N/A	584.2 / 419.1	N/A		N/A	N/A	0.453	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	0.453	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	2.32	285.0 / 169.0	2025		0.023	1.306	0.892	Pass	N/A
57	HFPO-DA_2	13252-13-6	2.33	285.0 / 184.9	2644	M2	0.034	1.306	0.892	Pass	N/A
58	ADONA	919005-14-4	N/A	376.9 / 251.0	N/A		N/A	N/A	0.444	N/A	N/A
59	ADONA_2	919005-14-4	N/A	376.9 / 84.8	N/A		N/A	N/A	0.444	N/A	N/A
60	9Cl-PF3ONS	756426-58-1	N/A	530.8 / 351.1	N/A		N/A	N/A	0.359	N/A	N/A
61	9Cl-PF3ONS_2	756426-58-1	N/A	532.8 / 353.0	N/A		N/A	N/A	0.359	N/A	N/A
62	11Cl-PF3OUdS	763051-92-9	N/A	630.9 / 451.0	N/A		N/A	N/A	0.348	N/A	N/A
63	11Cl-PF3OUdS_2	763051-92-9	N/A	632.9 / 452.9	N/A		N/A	N/A	0.348	N/A	N/A
64	3:3FTCA	356-02-5	N/A	241.1 / 177.1	N/A		N/A	N/A	0.698	N/A	N/A
65	3:3FTCA_2	356-02-5	N/A	241.1 / 117.0	N/A		N/A	N/A	0.698	N/A	N/A
66	5:3FTCA	914637-49-3	N/A	341.1 / 237.1	N/A		N/A	N/A	0.979	N/A	N/A
67	5:3FTCA_2	914637-49-3	N/A	341.1 / 217.0	N/A		N/A	N/A	0.979	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	2.144	N/A	N/A
69	7:3FTCA_2	812-70-4	N/A	441.1 / 337.1	N/A		N/A	N/A	2.144	N/A	N/A
70	PFEESA	113507-82-7	N/A	315.1 / 135.0	N/A		N/A	N/A	0.077	N/A	N/A
71	PFEESA_2	113507-82-7	N/A	315.1 / 82.9	N/A		N/A	N/A	0.077	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	0.632	N/A	N/A
75	NFDHA_2	151772-58-6	N/A	295.0 / 84.9	N/A		N/A	N/A	0.632	N/A	N/A
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	4.812	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	4.812	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	0.62	217.0 / 172.0	2115333		9.847	NA	NA	NA	98.5

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C5-PFPeA	EIS	1.21	268.0 / 223.0	720792		4.692	NA	NA	NA	93.8
13C5-PFHxA	EIS	2.05	318.0 / 273.0	310983		2.187	NA	NA	NA	87.5
13C4-PFHpA	EIS	2.72	367.0 / 322.0	629868		2.442	NA	NA	NA	97.7
13C8-PFOA	EIS	3.20	420.8 / 376.0	726625		2.629	NA	NA	NA	105.2
13C9-PFNA	EIS	3.63	472.0 / 427.0	328607		1.201	NA	NA	NA	96.1
13C6-PFDA	EIS	4.03	519.0 / 474.0	343553		1.165	NA	NA	NA	93.2
13C7-PFUnA	EIS	4.42	570.0 / 525.0	314666		1.036	NA	NA	NA	82.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.80	615.1 / 570.0	269297		0.958	NA	NA	NA	76.7
	13C2-PFTeDA	EIS	5.53	715.1 / 670.1	177894		0.955	NA	NA	NA	76.4
	13C3-PFBS	EIS	2.04	302.1 / 80.1	342183		2.220	NA	NA	NA	95.3
	13C3-PFHxS	EIS	3.31	402.1 / 80.1	277829		2.111	NA	NA	NA	89.1
	13C8-PFOS	EIS	4.18	507.1 / 80.1	324794		2.042	NA	NA	NA	85.1
	13C2-4:2FTS	EIS	1.79	329.1 / 81.1	118242		6.022	NA	NA	NA	128.4
	13C2-6:2FTS	EIS	3.03	429.2 / 81.1	90027		5.621	NA	NA	NA	118.1
	13C2-8:2FTS	EIS	3.85	529.2 / 81.1	77055		4.084	NA	NA	NA	85.1

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C8-PFOSA	EIS	5.34	506.1 / 78.1	487095		1.863	NA	NA	NA	74.5
d3-NMeFOSA	EIS	6.05	515.2 / 219.0	67996		1.447	NA	NA	NA	57.9
d5-NEtFOSA	EIS	6.33	531.2 / 219.0	65991		1.637	NA	NA	NA	65.5
d3-NMeFOSAA	EIS	4.15	573.2 / 419.1	187028		2.837	NA	NA	NA	56.7
d5-NEtFOSAA	EIS	4.34	589.3 / 419.1	118089		4.210	NA	NA	NA	84.2
d7-NMeFOSE	EIS	5.90	623.2 / 58.9	232434		15.953	NA	NA	NA	63.8
d9-NEtFOSE	EIS	6.19	639.2 / 58.9	521005		15.548	NA	NA	NA	62.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.32	287.0 / 169.0	875705		8.223	NA	NA	NA	82.2
	13C3-PFBA	NIS	0.62	216.0 / 172.0	963307		4.905	NA	NA	NA	98.1
	13C2-PFHxA	NIS	2.05	315.0 / 270.0	547831		2.816	NA	NA	NA	112.6
	13C4-PFOA	NIS	3.20	417.0 / 372.0	190026		2.252	NA	NA	NA	90.1
	13C5-PFNA	NIS	3.63	468.0 / 423.0	357237		1.273	NA	NA	NA	101.8
	13C2-PFDA	NIS	4.03	515.1 / 470.1	345419		1.340	NA	NA	NA	107.2
	18O2-PFHxS	NIS	3.31	403.1 / 84.1	259990		2.610	NA	NA	NA	110.1
	13C4-PFOS	NIS	4.18	503.1 / 80.1	291390		2.670	NA	NA	NA	111.2

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250317\SCI07_250317_44.wiff2_7
Last Altered: 3/18/2025 9:34:10 AM
Generated: 3/17/2025 4:15:11 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
Alpha Analytical LLC
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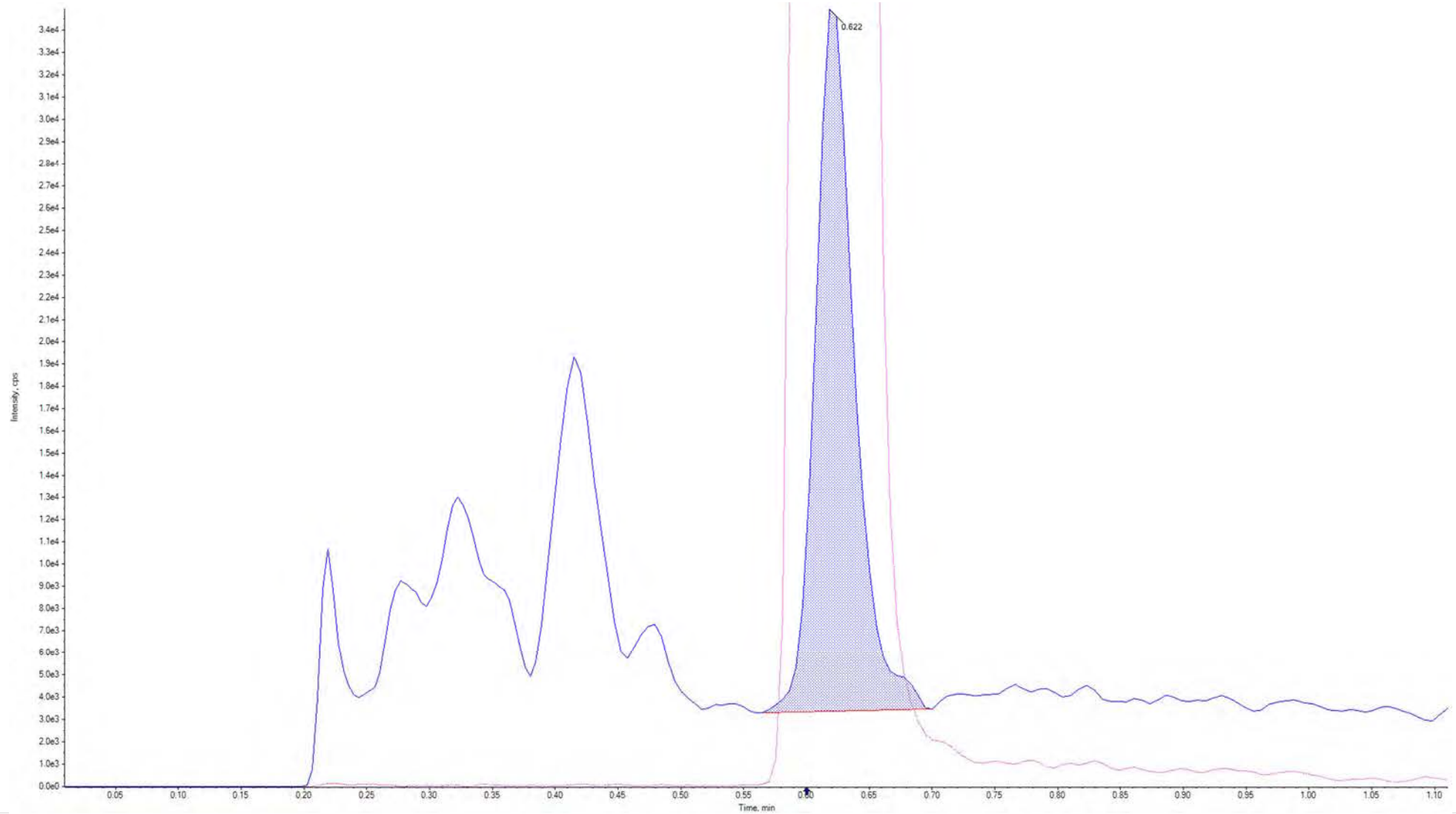
Generated: 3/17/2025 4:15:11 PM

PFBA
Sample: L2512368-21RE S/N:79.9 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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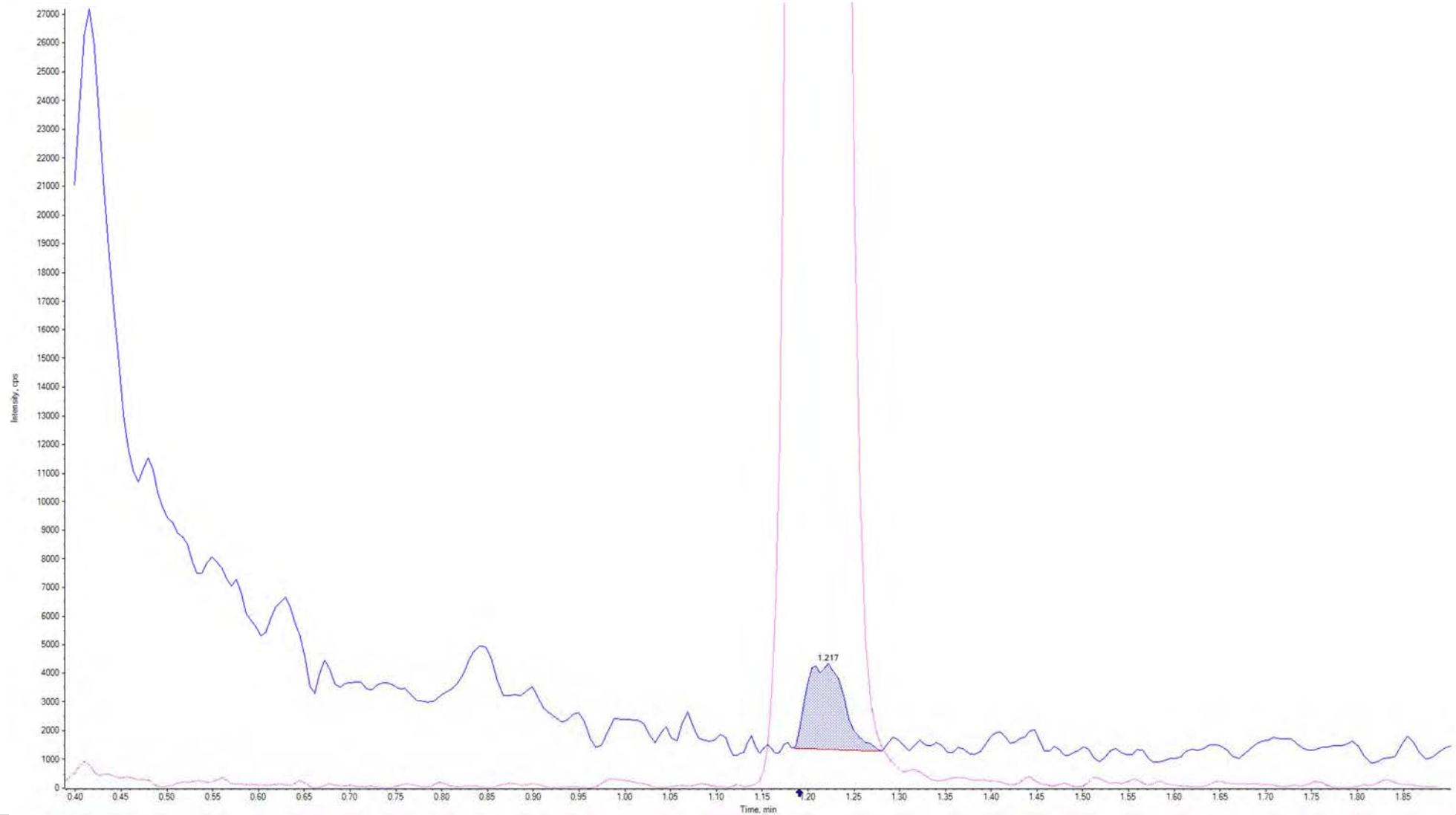
PFPeA
Sample: L2512368-21RE S/N:28.1 Points Across peak:20



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Alpha Analytical LLC
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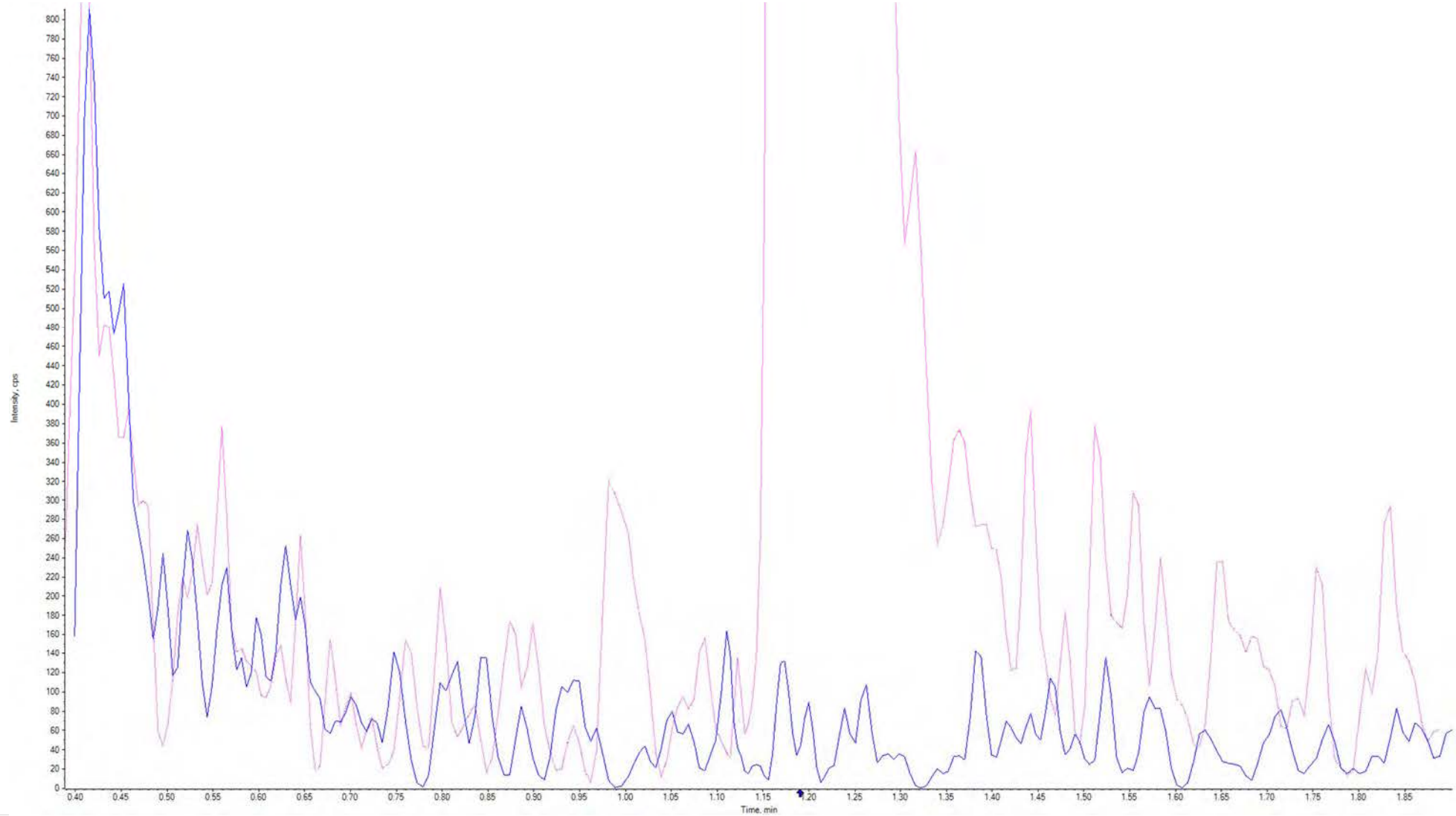
Last Altered: 3/18/2025 9:34:10 AM
Generated: 3/17/2025 4:15:11 PM

PFPeA_2
Sample: L2512368-21RE S/N:N/A Points Across peak:N/A



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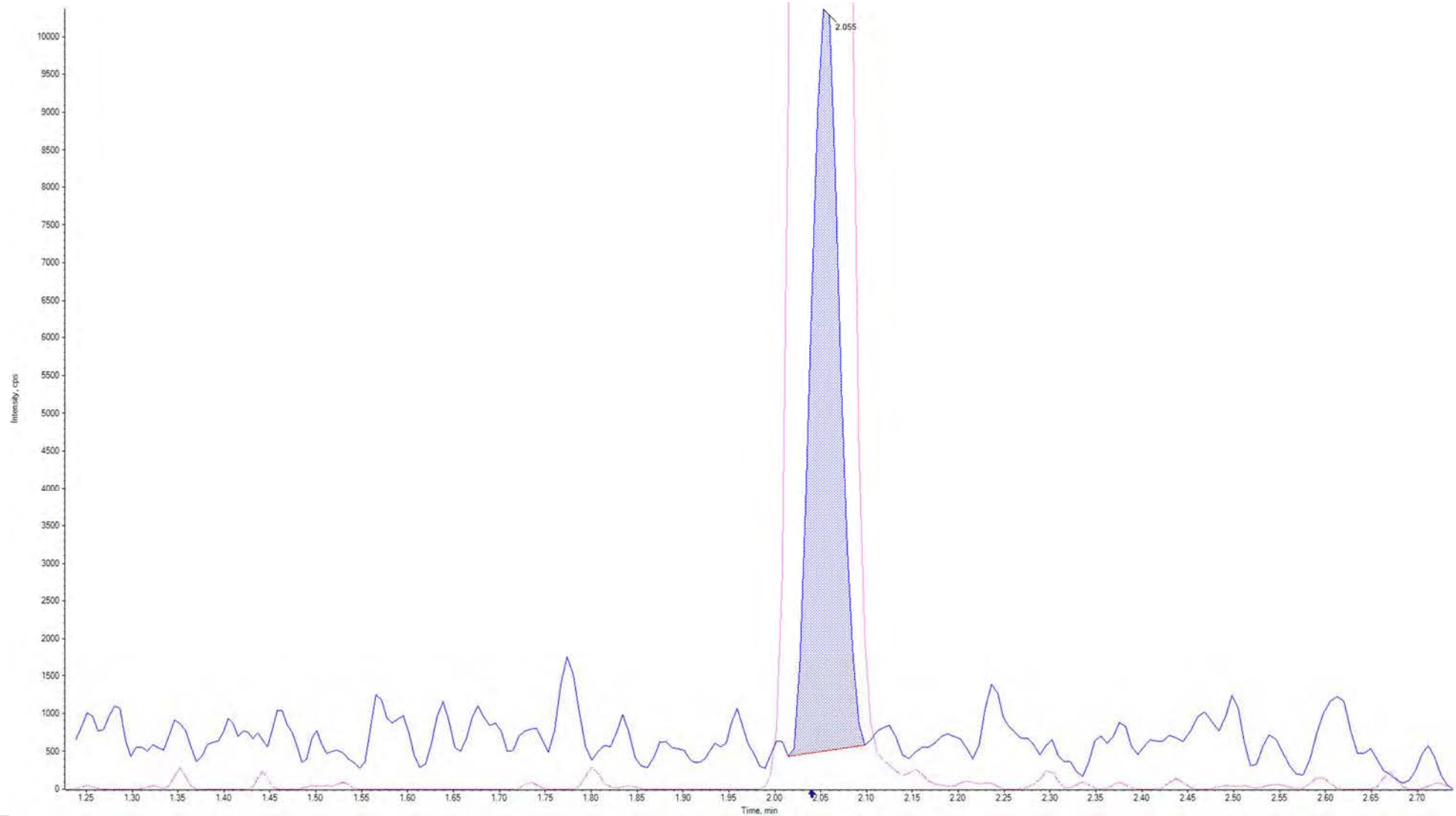
PFHxA
Sample: L2512368-21RE S/N:187.0 Points Across peak:14



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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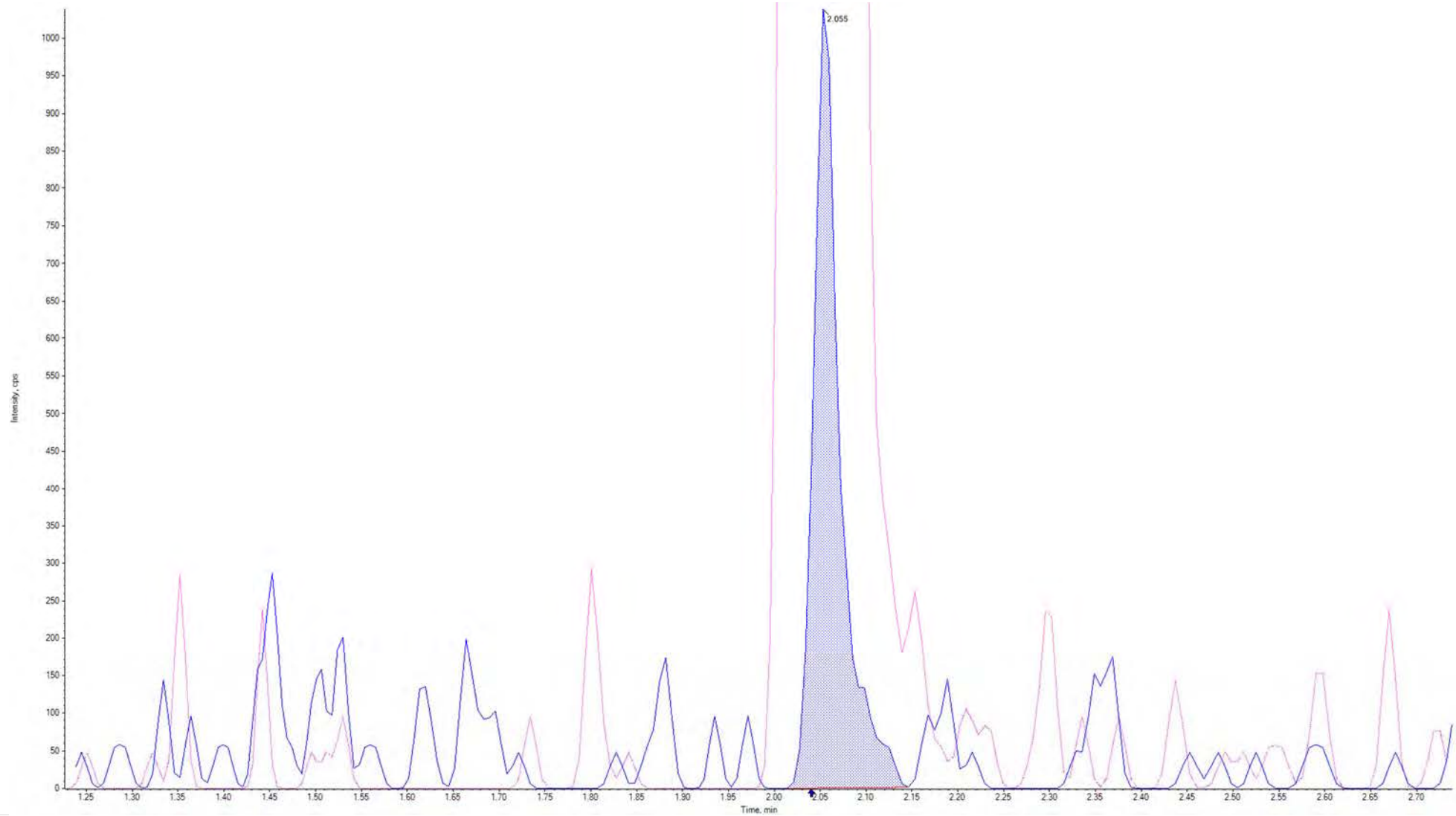
PFHxA_2
Sample: L2512368-21RE S/N:20.8 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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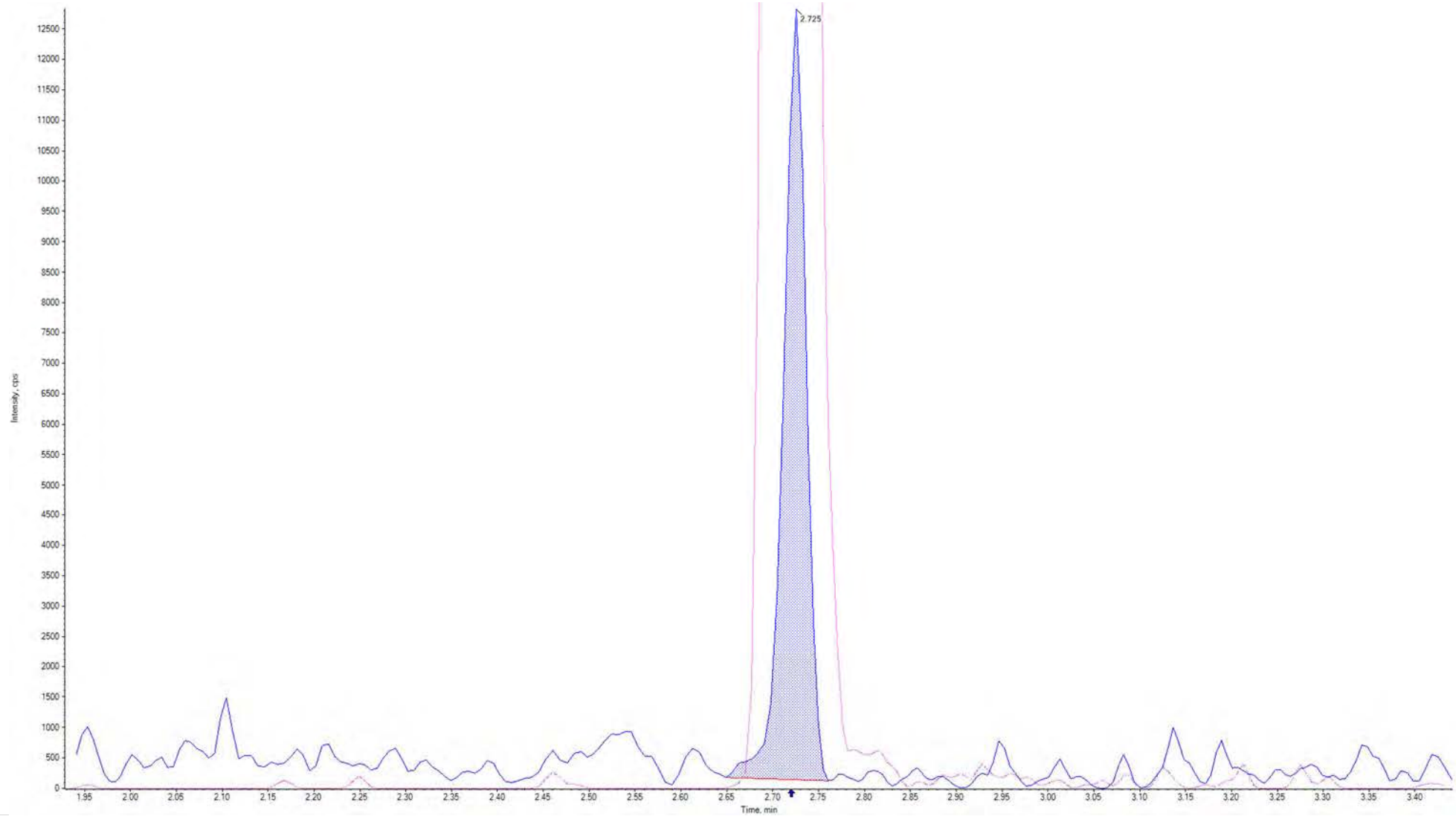
PFHpA
Sample: L2512368-21RE S/N:190.7 Points Across peak:18



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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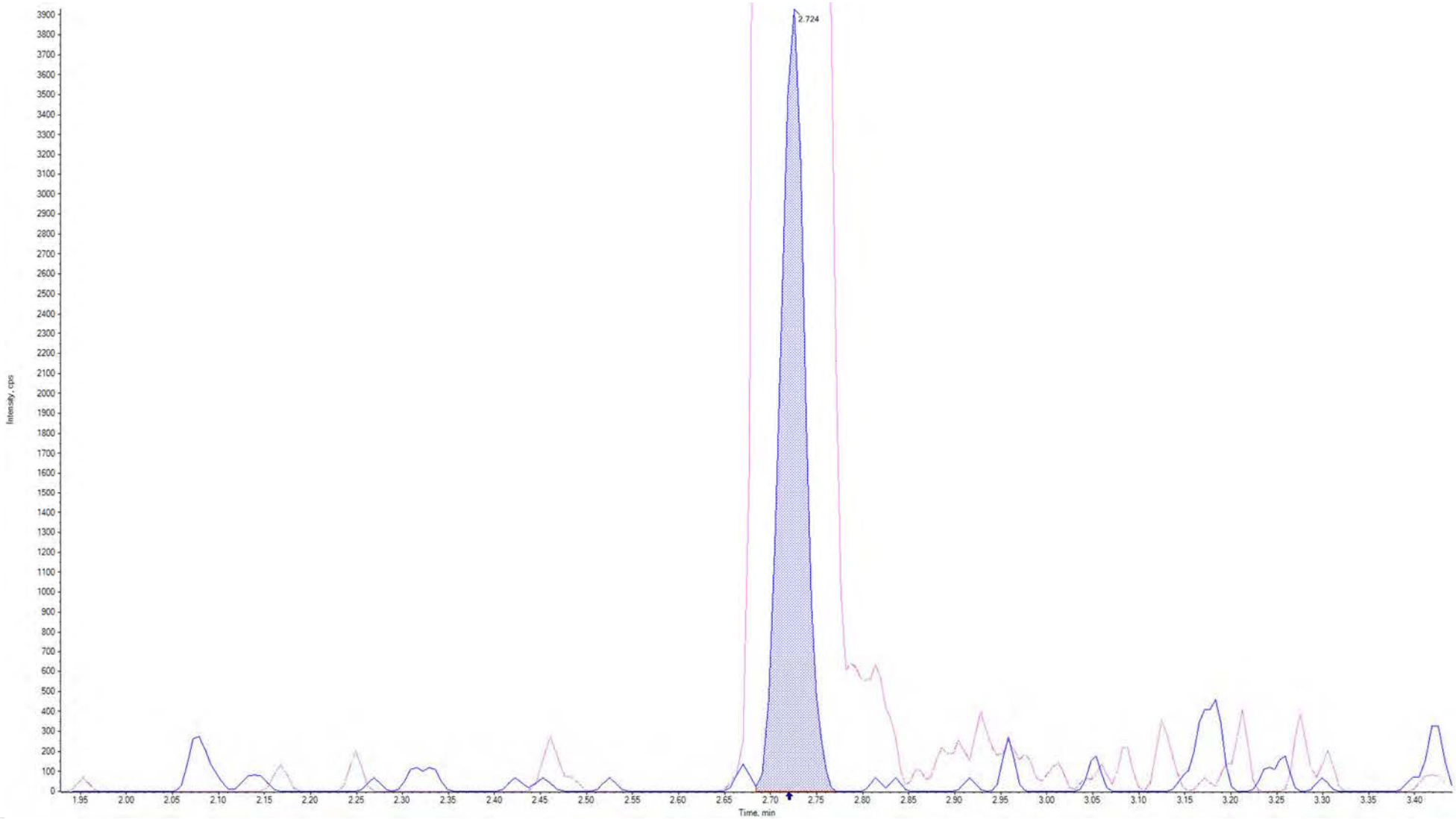
Generated: 3/17/2025 4:15:11 PM

PFHpA_2
Sample: L2512368-21RE S/N:59.1 Points Across peak:18



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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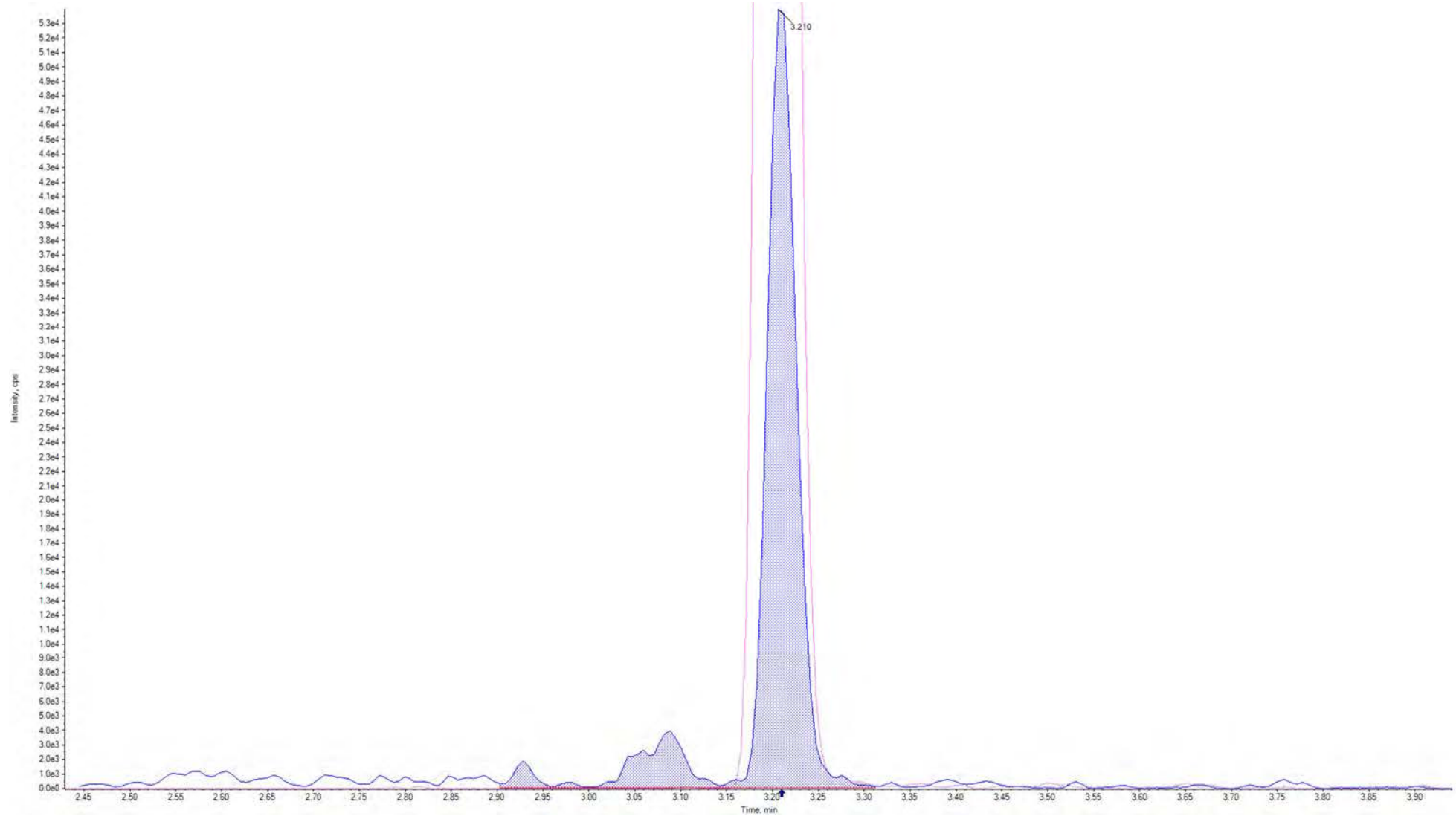
Generated: 3/17/2025 4:15:11 PM

PFOA
Sample: L2512368-21RE S/N:306.9 Points Across peak:72



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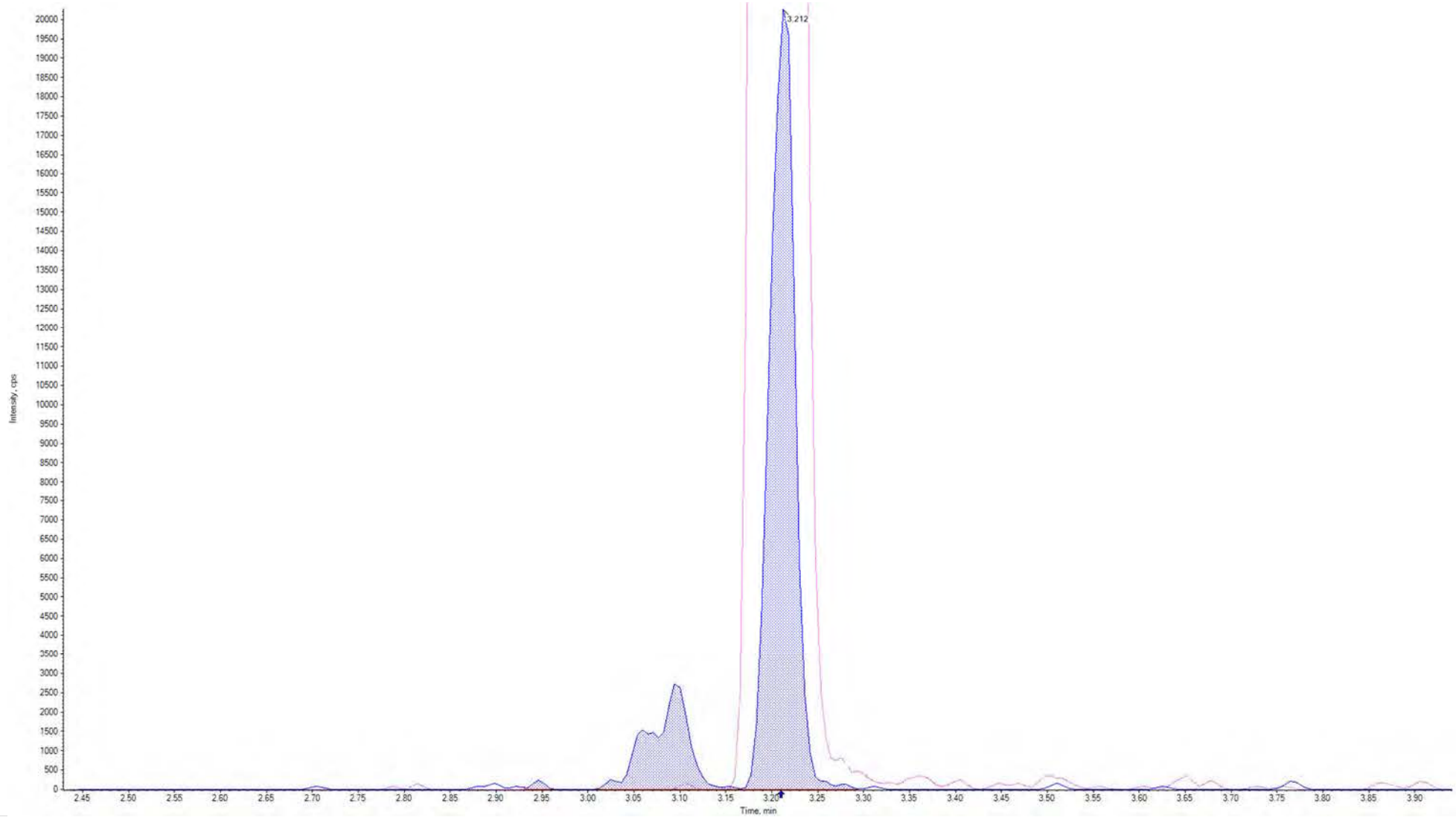
PFOA_2
Sample: L2512368-21RE S/N:254.0 Points Across peak:64



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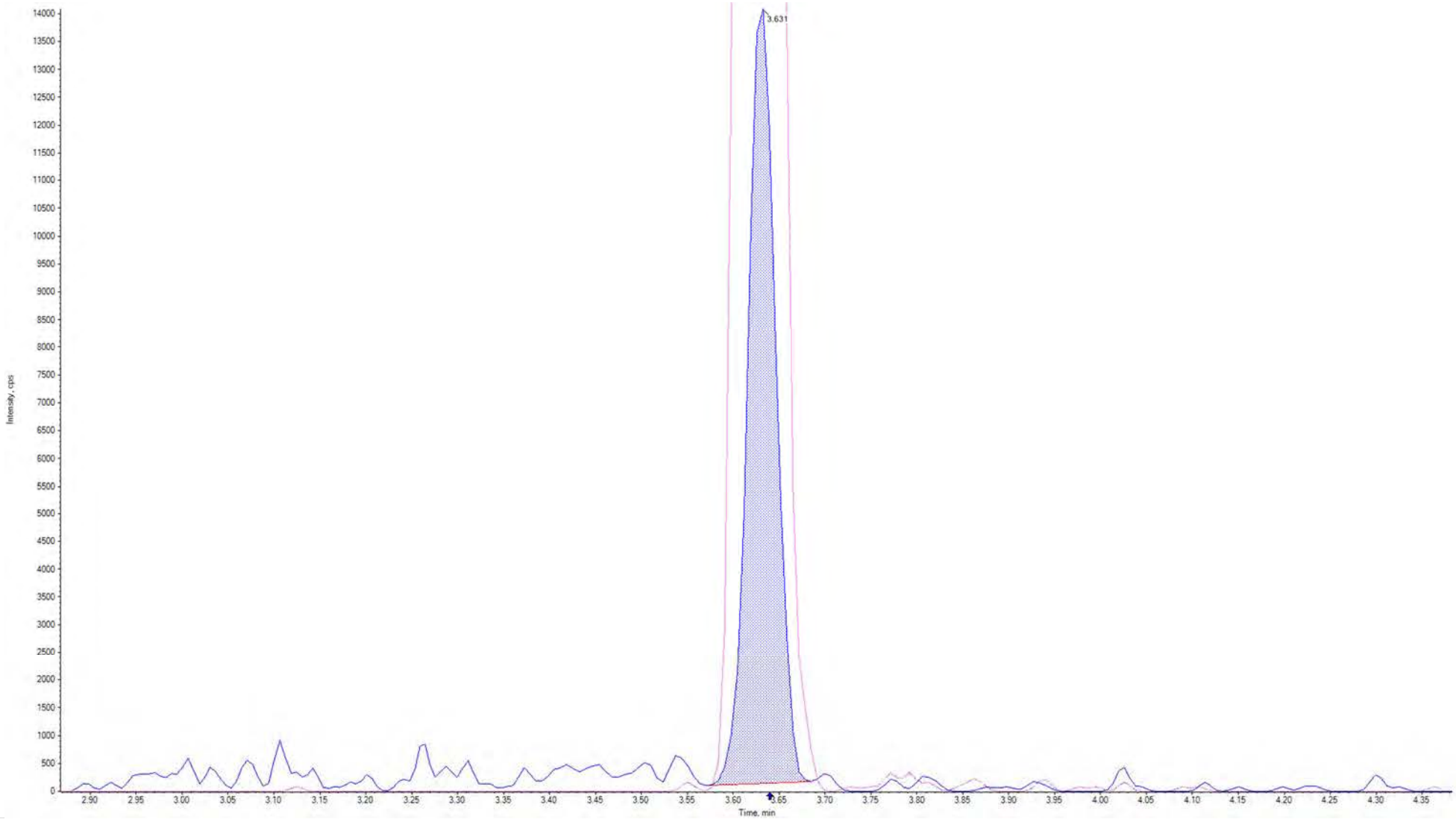
PFNA
Sample: L2512368-21RE S/N:145.3 Points Across peak:18



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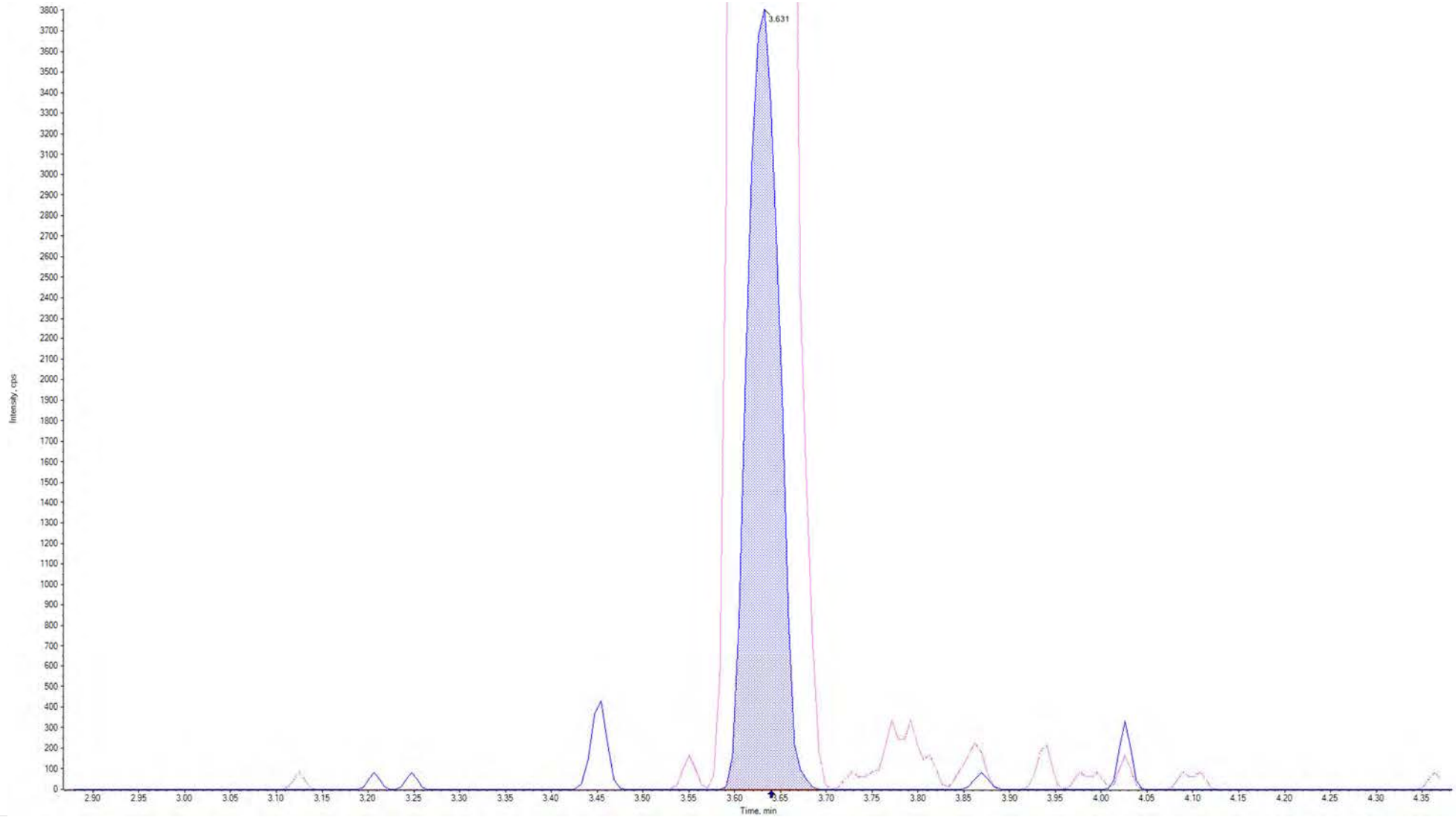
PFNA_2
Sample: L2512368-21RE S/N:47.7 Points Across peak:26



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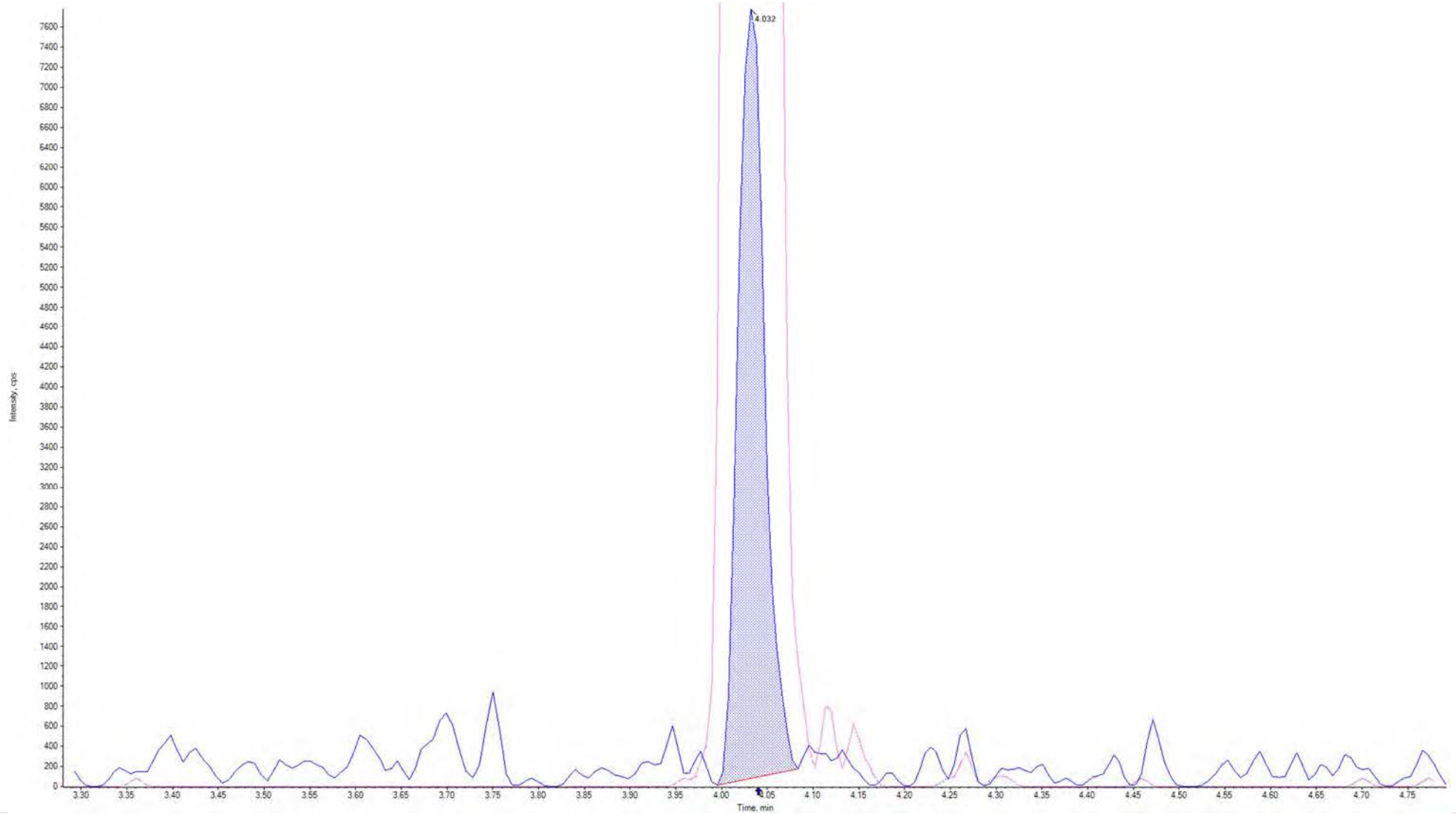
PFDA
Sample: L2512368-21RE S/N:96.5 Points Across peak:16



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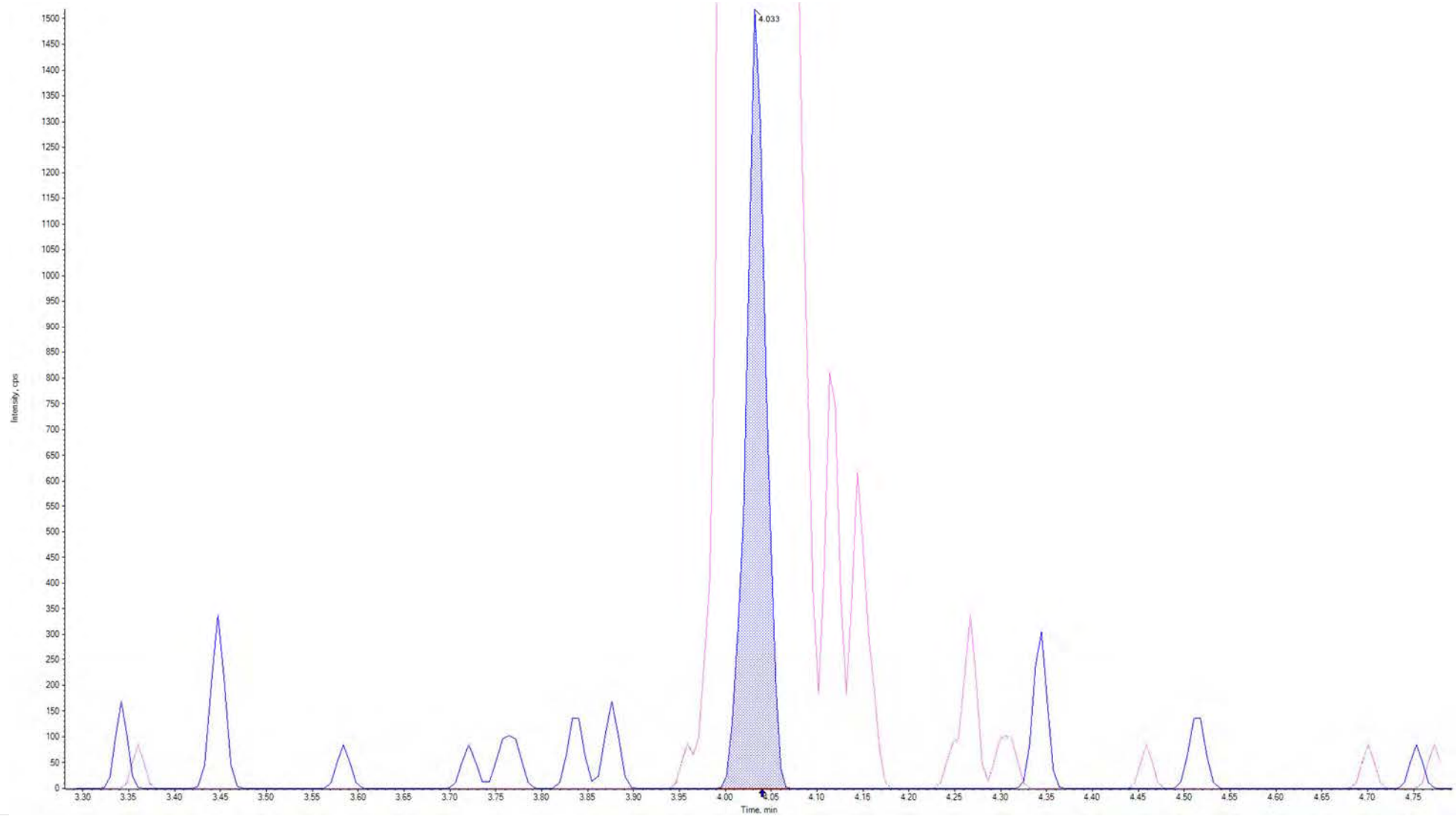
PFDA_2
Sample: L2512368-21RE S/N:19.0 Points Across peak:23



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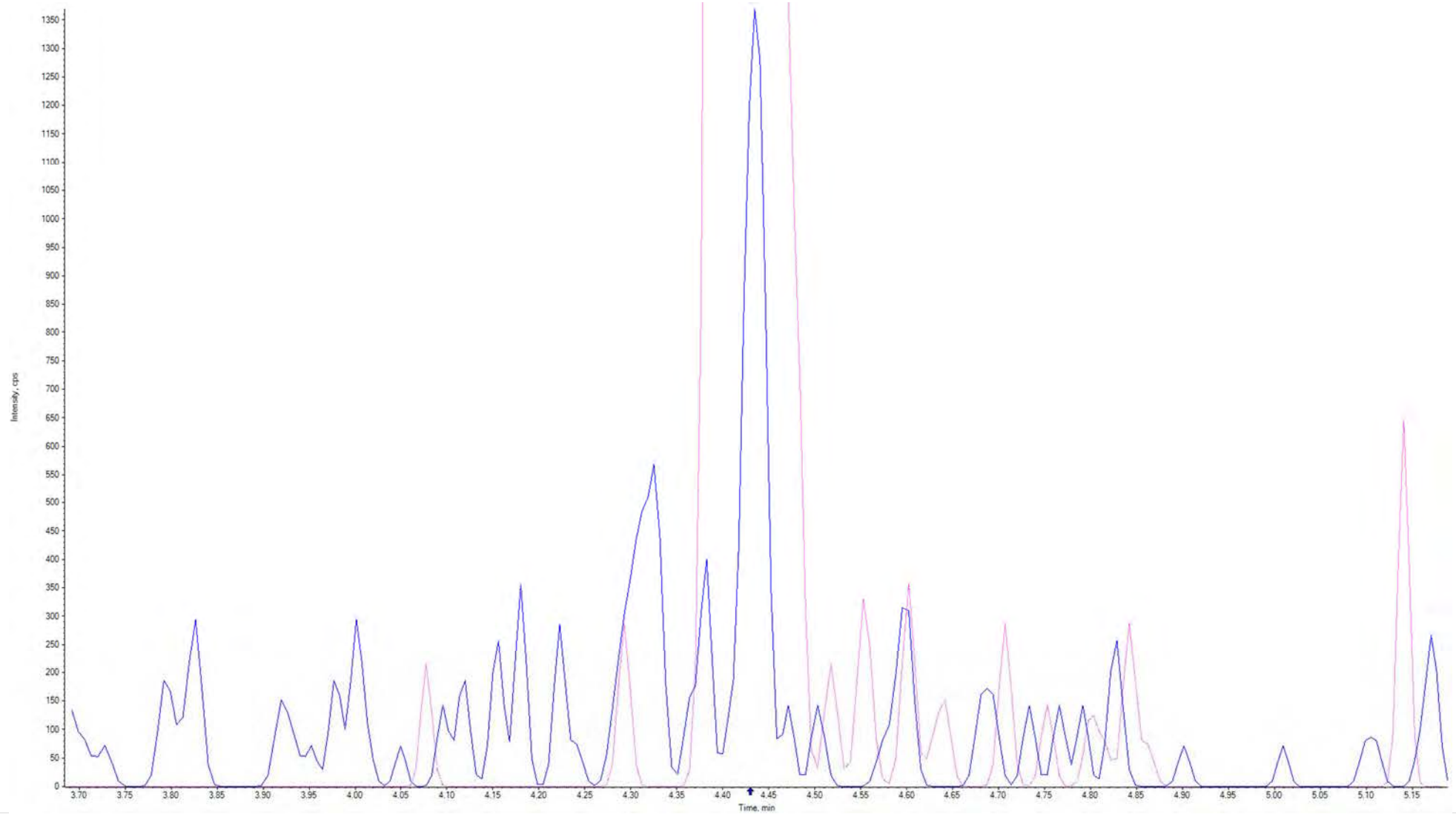
PFUnA
Sample: L2512368-21RE S/N:N/A Points Across peak:N/A



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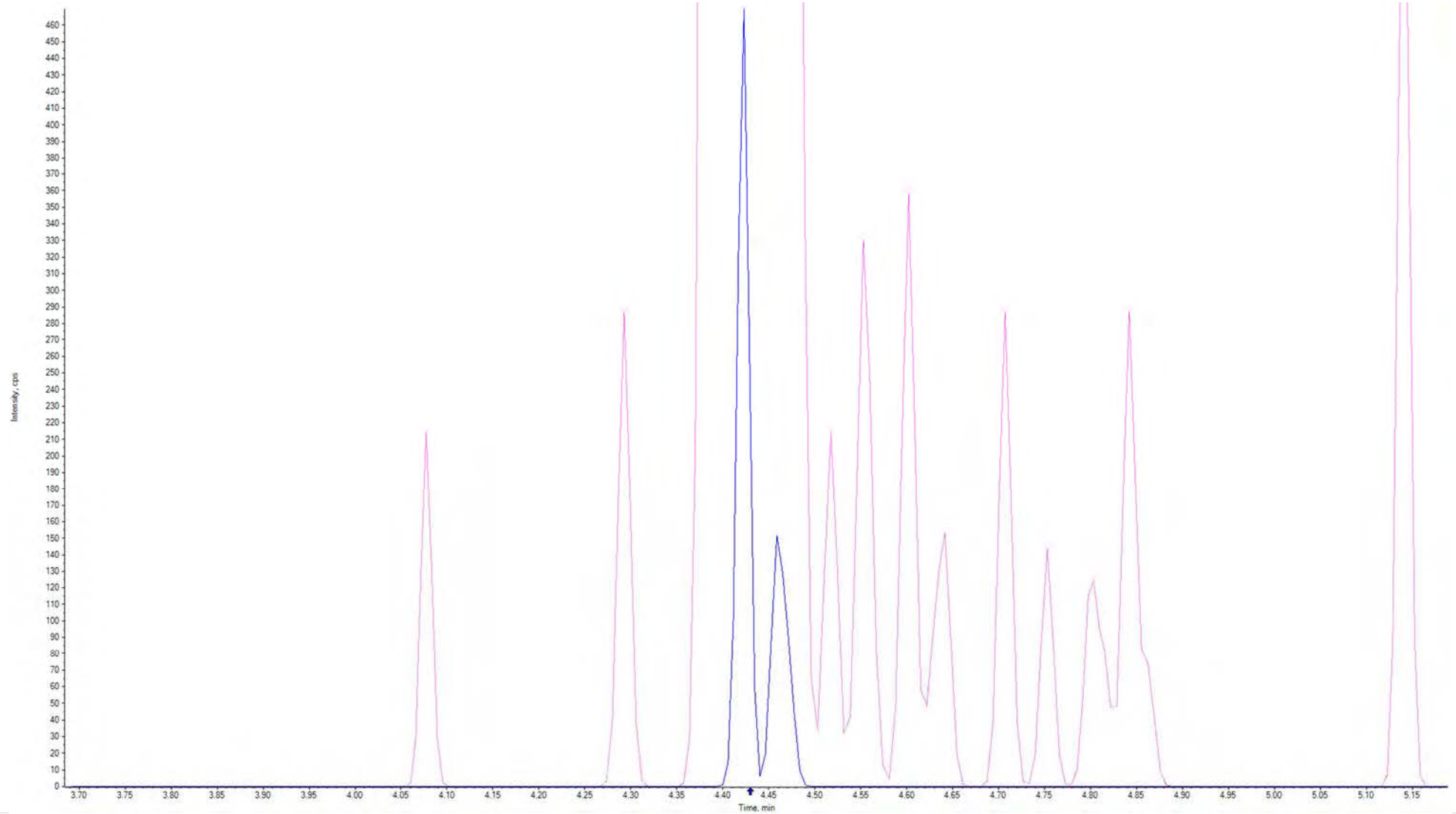
PFUnA_2
Sample: L2512368-21RE S/N:N/A Points Across peak:N/A



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PFDoA
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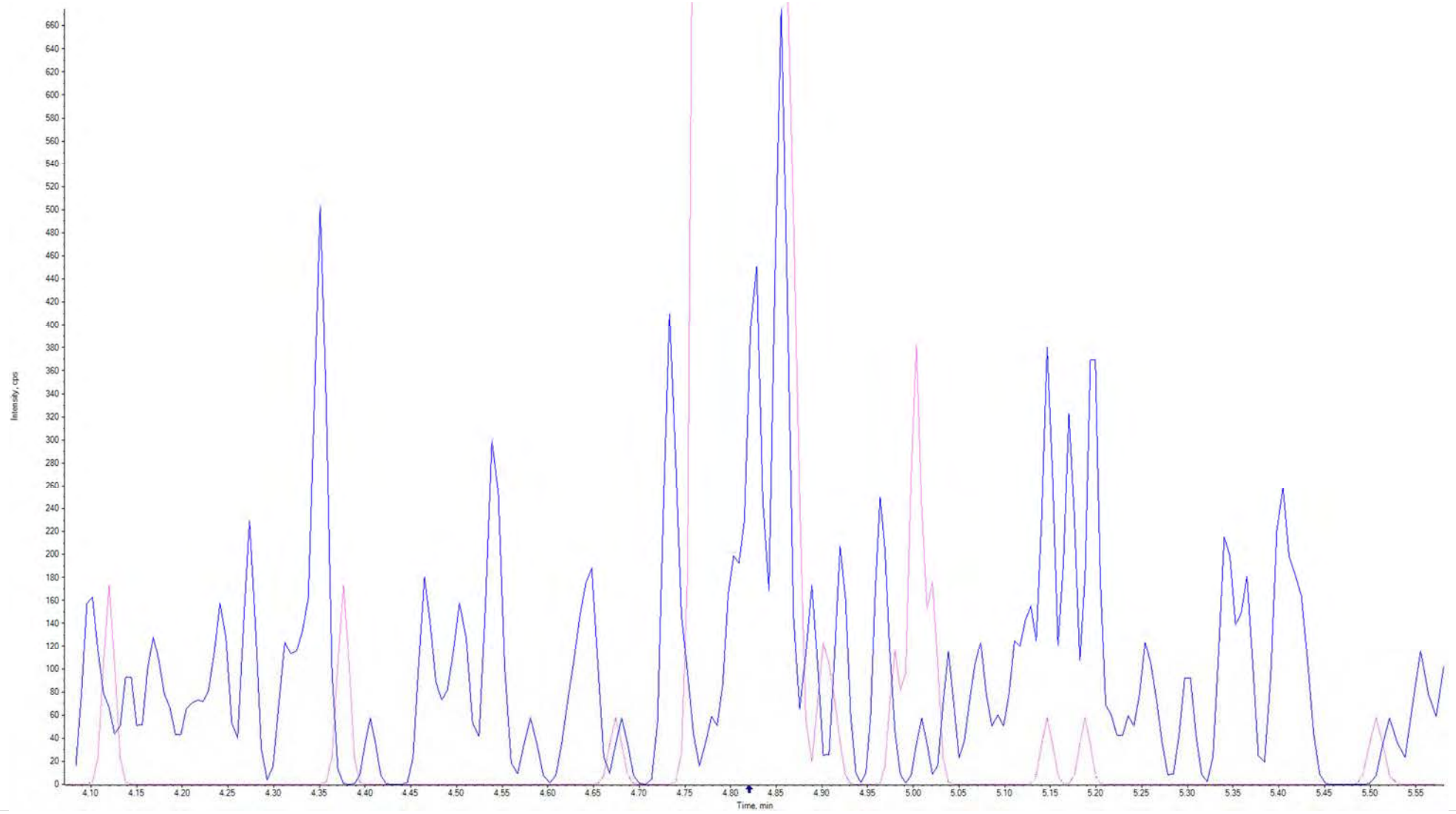

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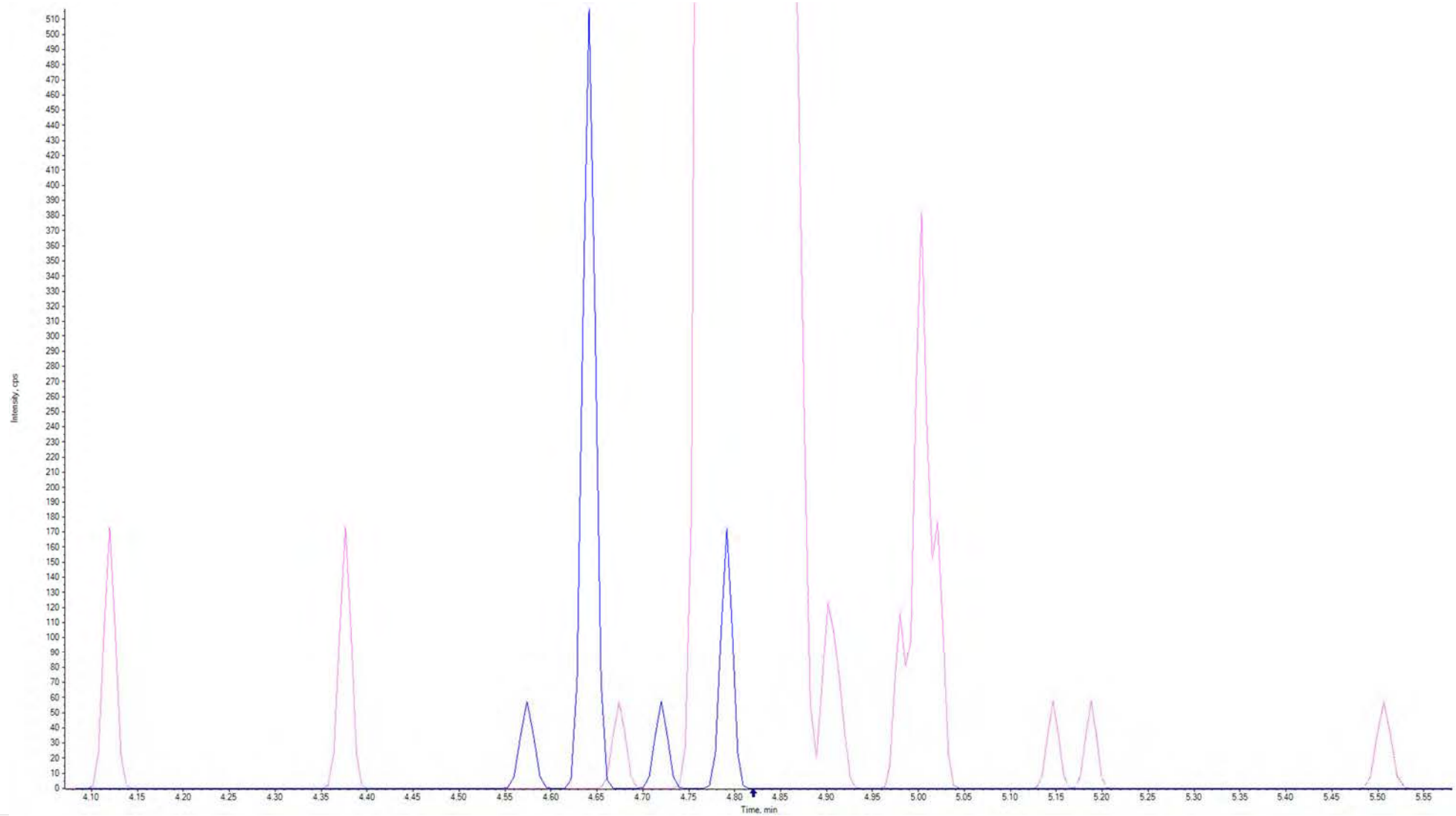
PFDoA_2
Sample: L2512368-21RE S/N:N/A Points Across peak:N/A



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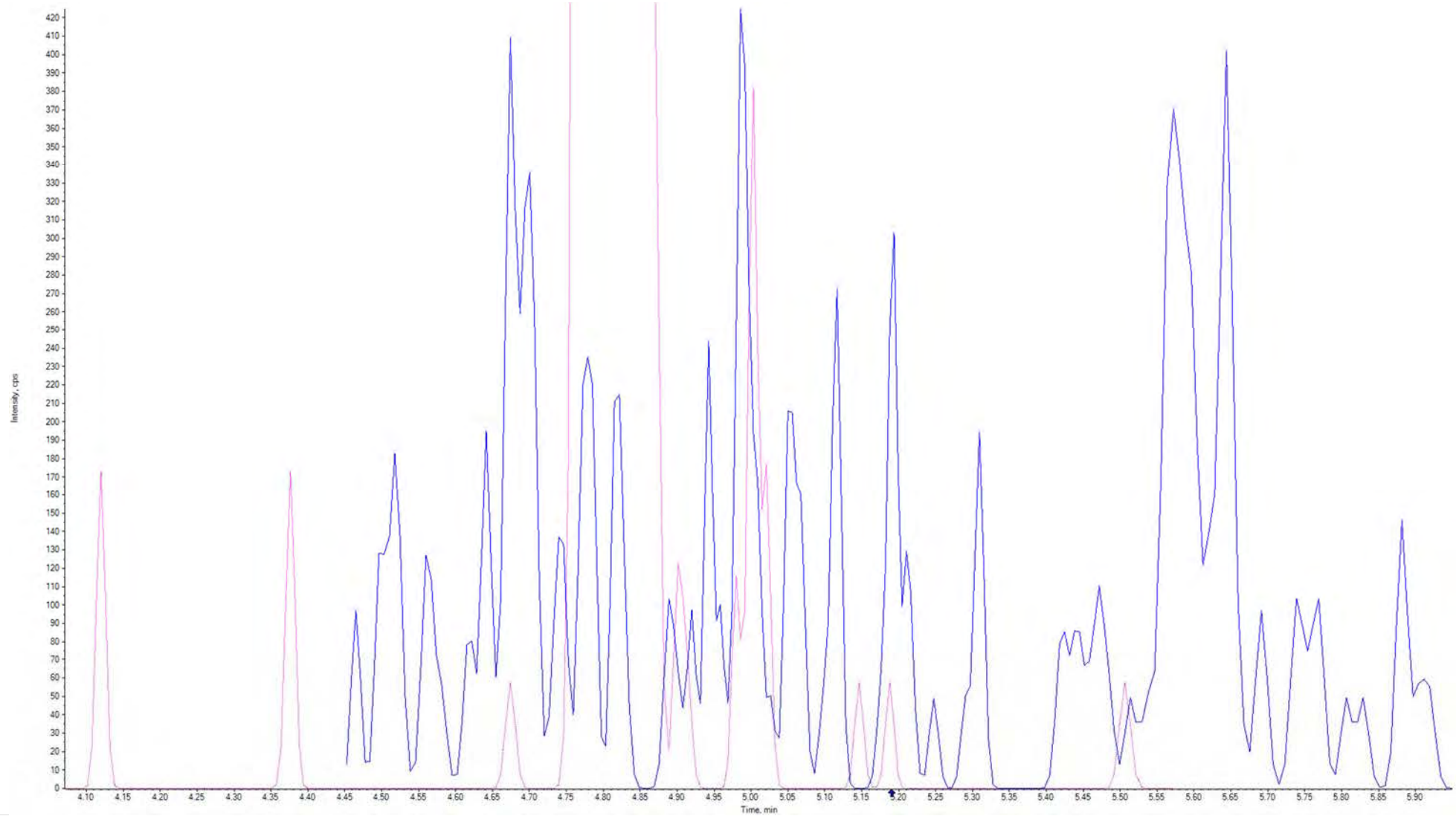
PFTrDA
Sample: L2512368-21RE S/N:N/A Points Across peak:N/A



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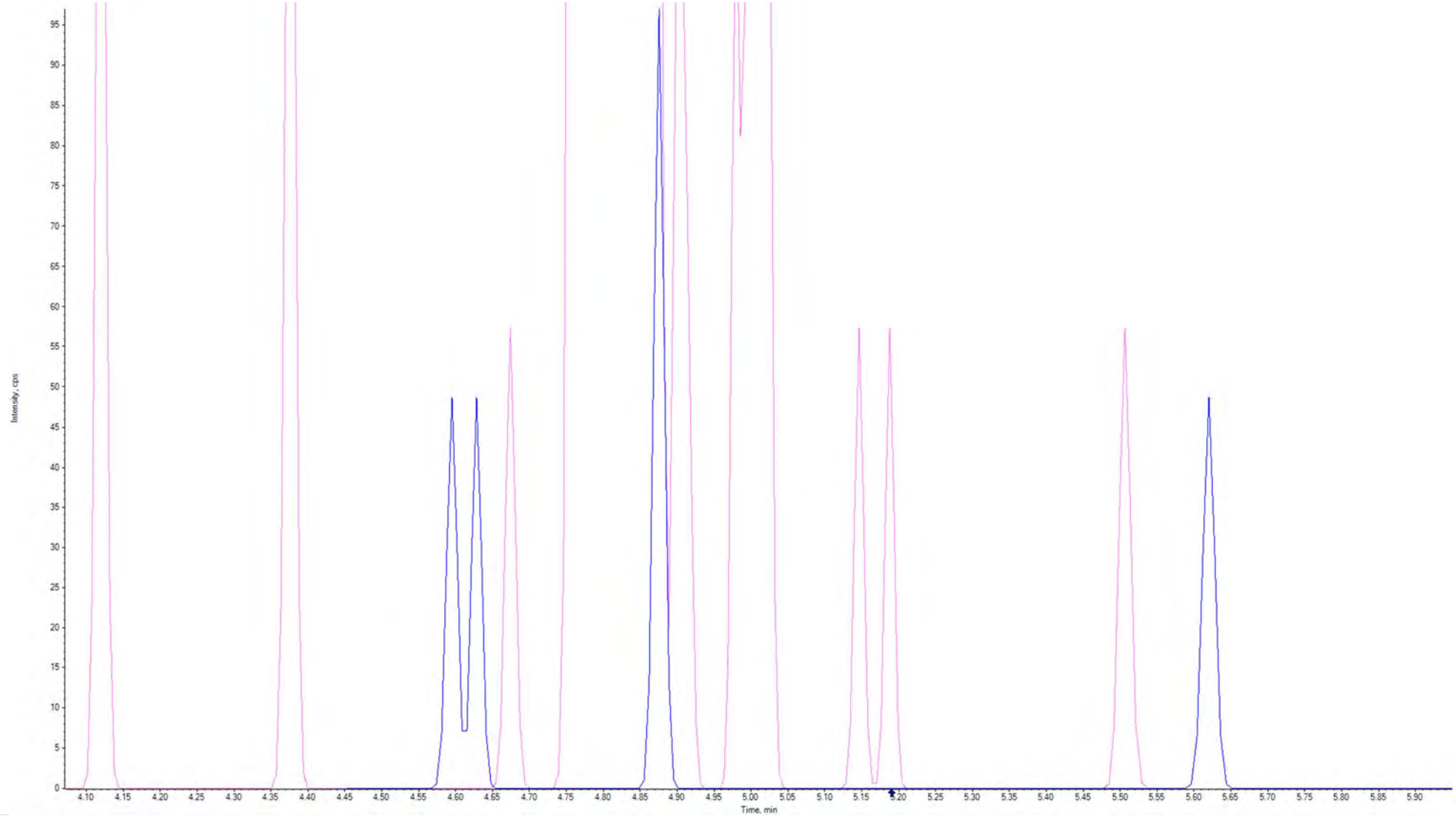
PFTrDA_2
Sample: L2512368-21RE S/N:N/A Points Across peak:N/A



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PFTeDA
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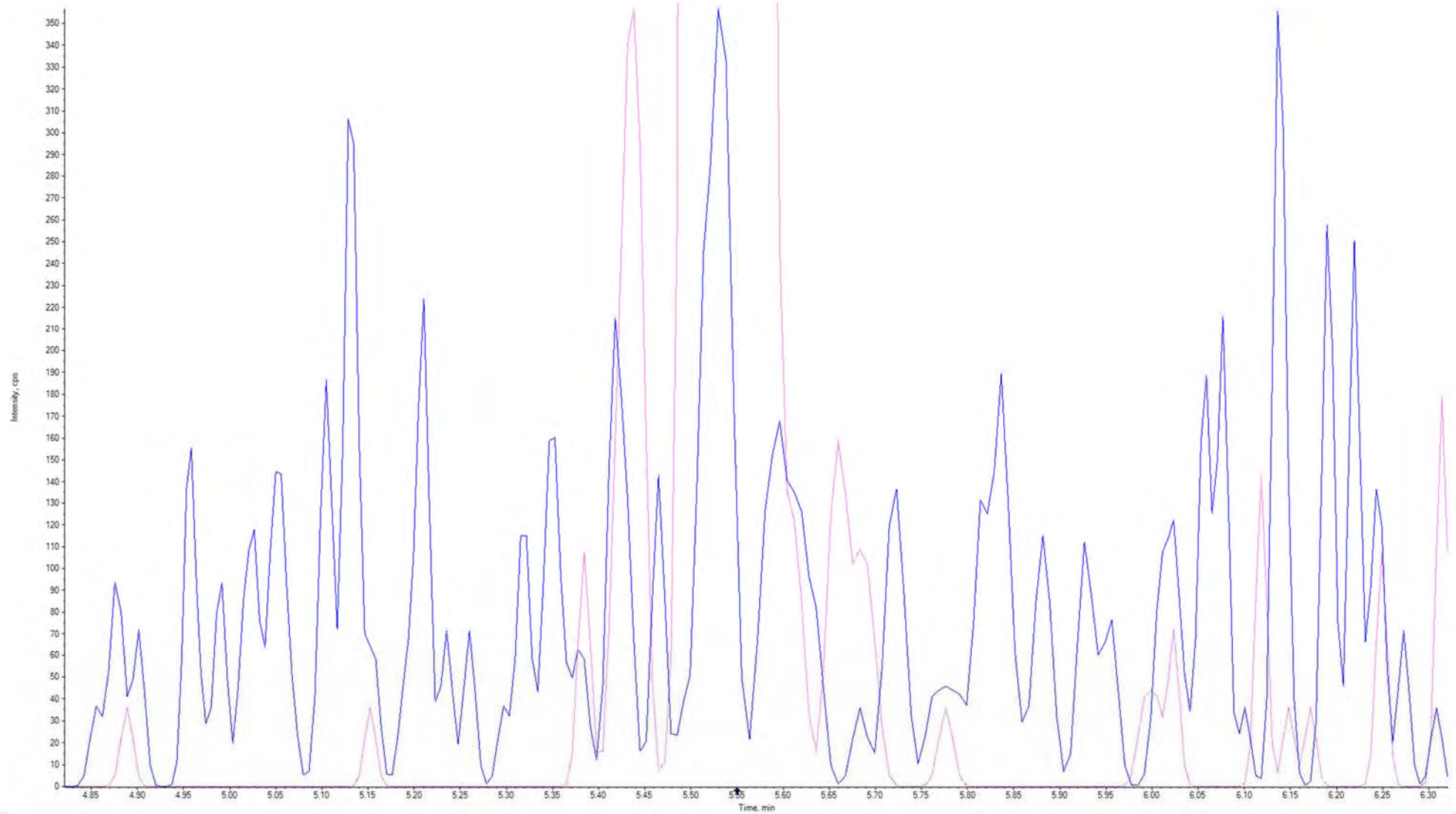

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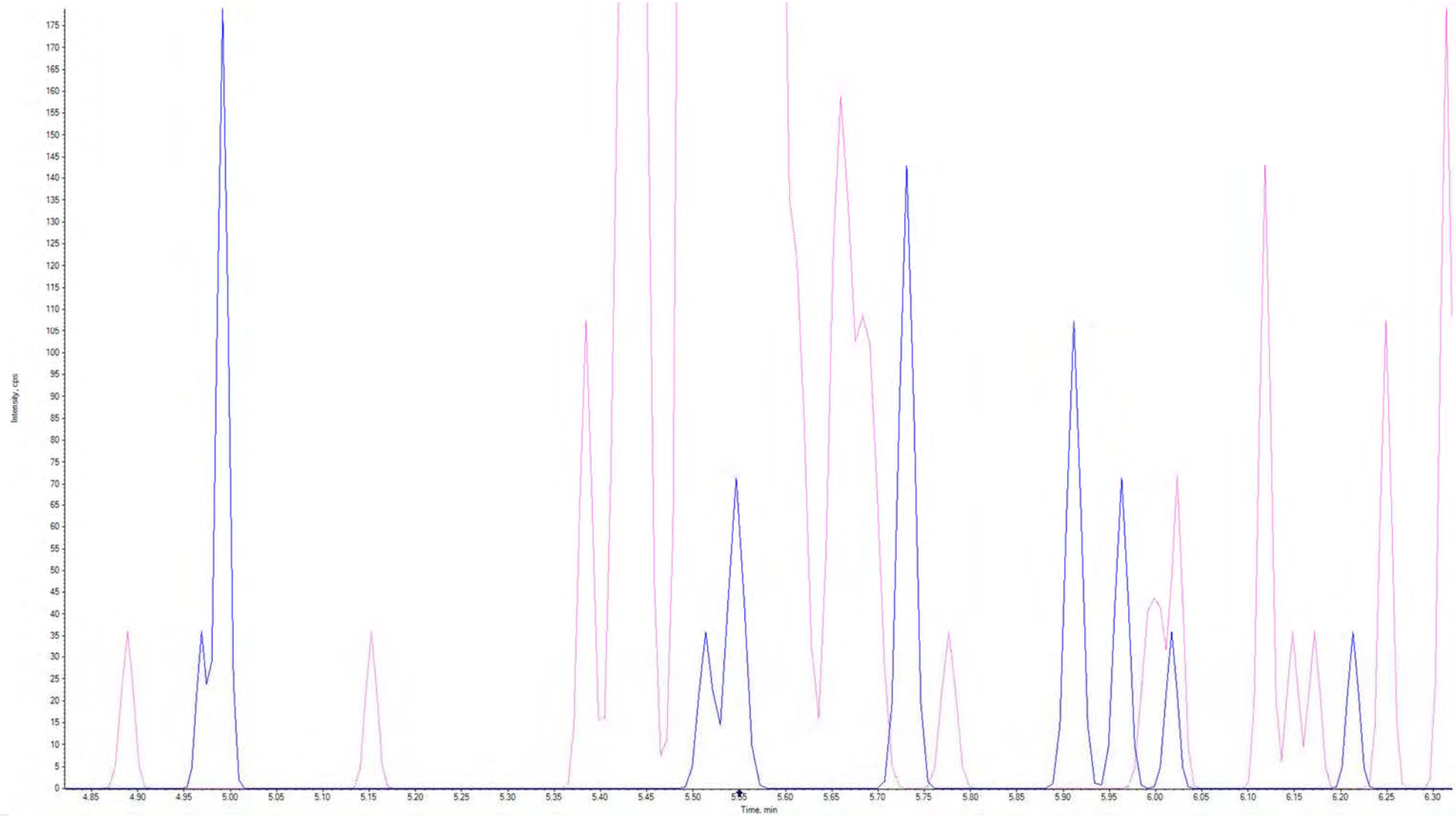
PFTeDA_2
Sample: L2512368-21RE S/N:N/A Points Across peak:N/A



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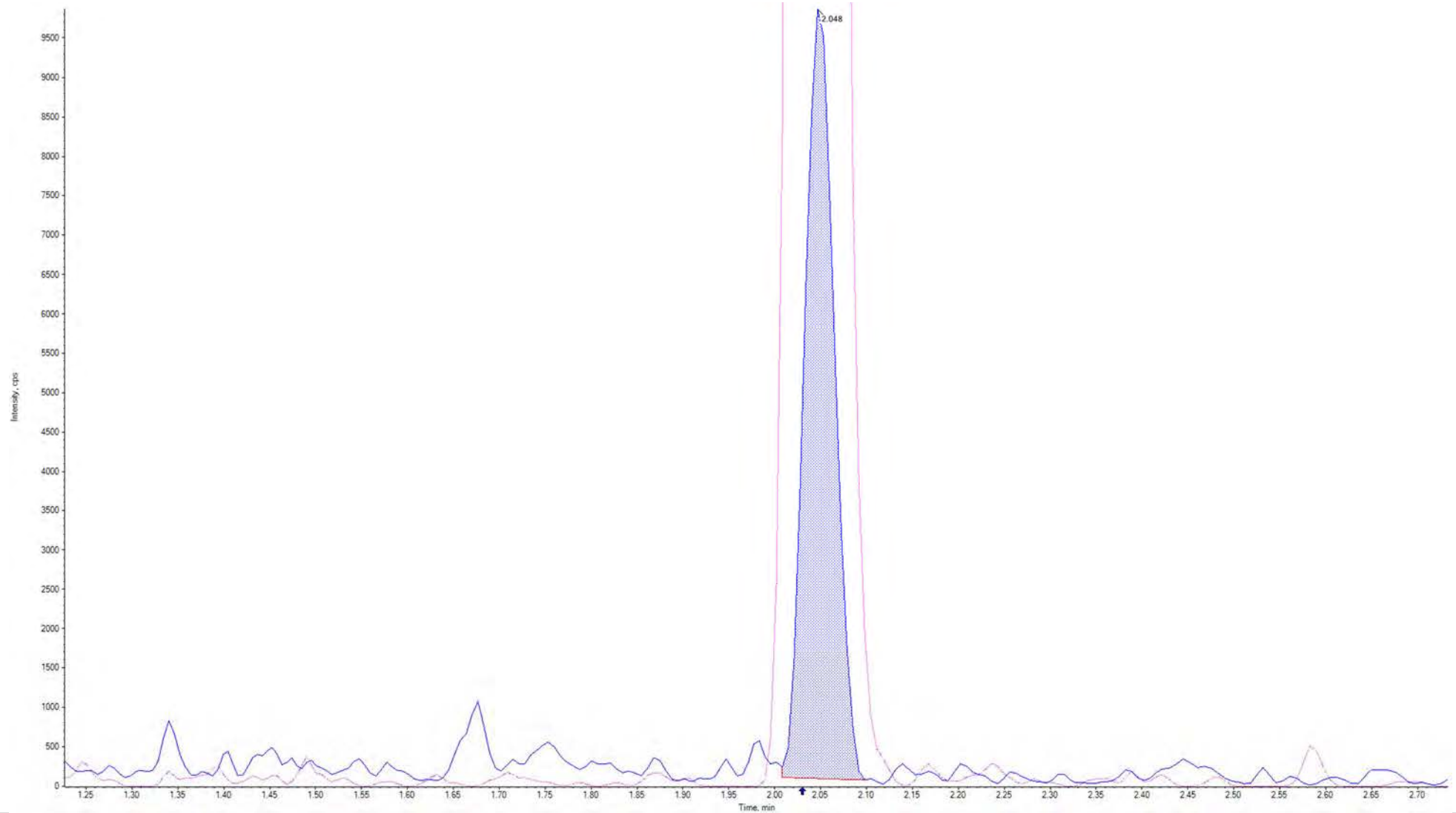
PFBS
Sample: L2512368-21RE S/N:195.8 Points Across peak:15



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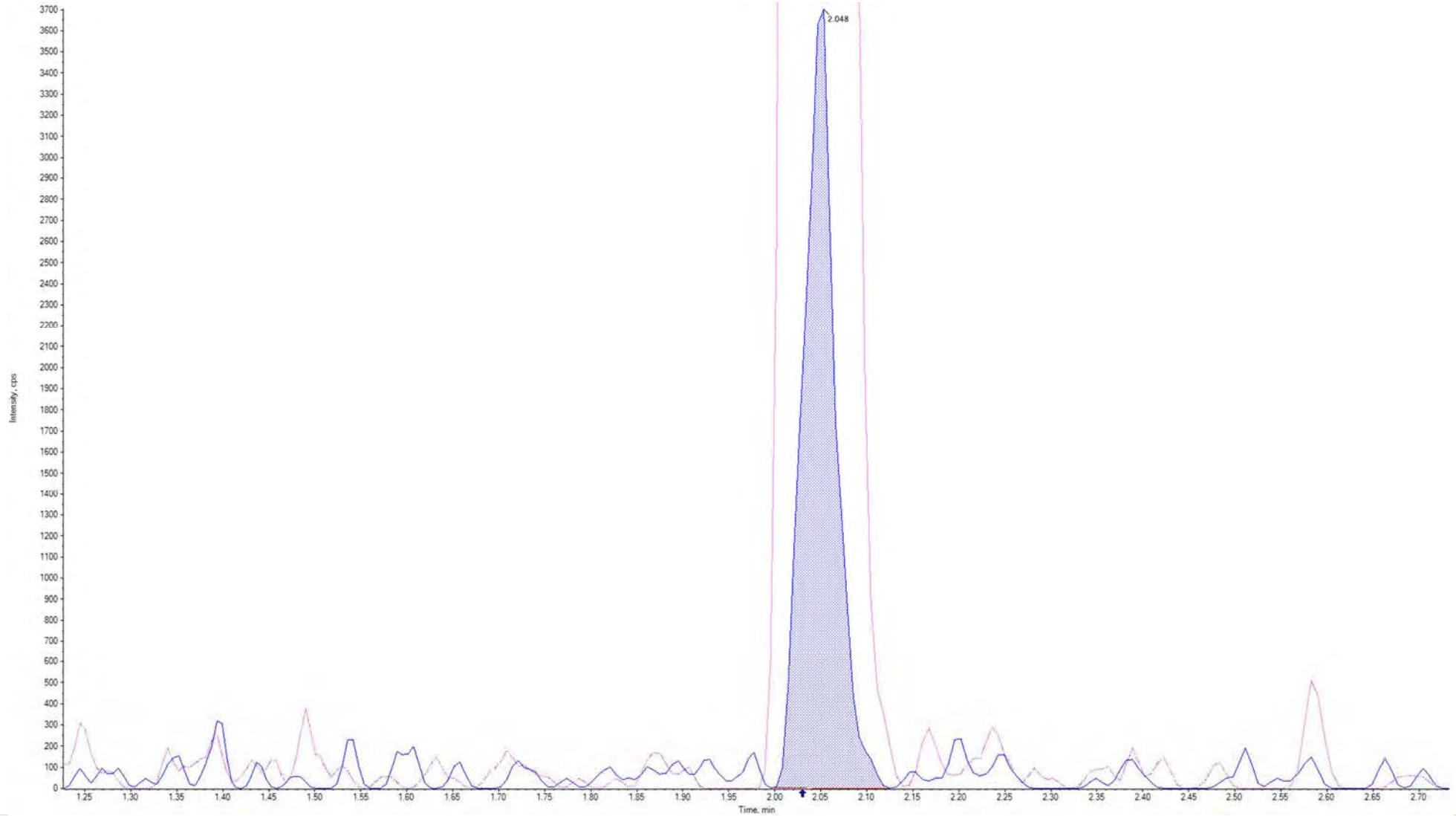
PFBS_2
Sample: L2512368-21RE S/N:74.2 Points Across peak:21



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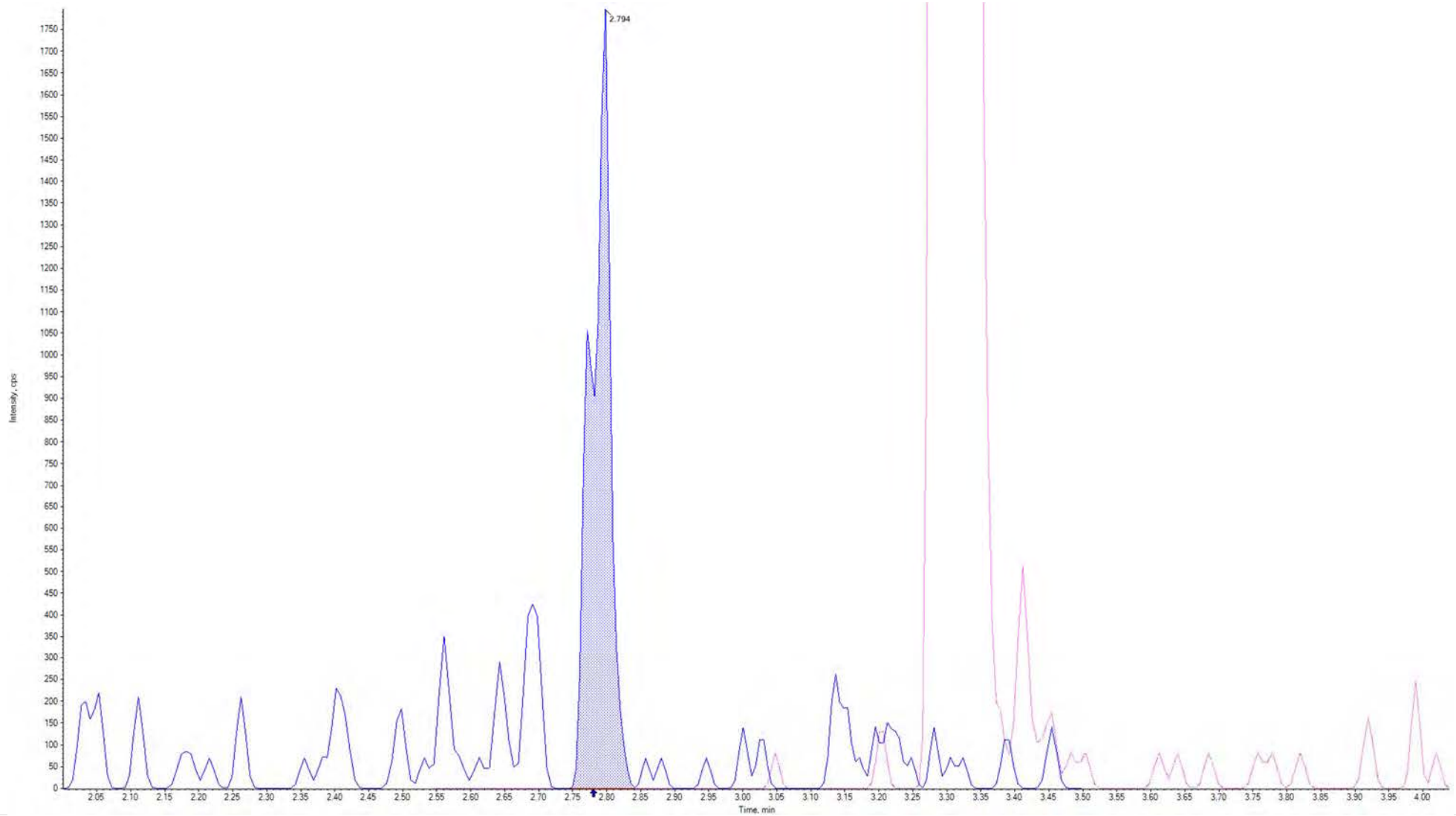
PFPeS
Sample: L2512368-21RE S/N:27.0 Points Across peak:21



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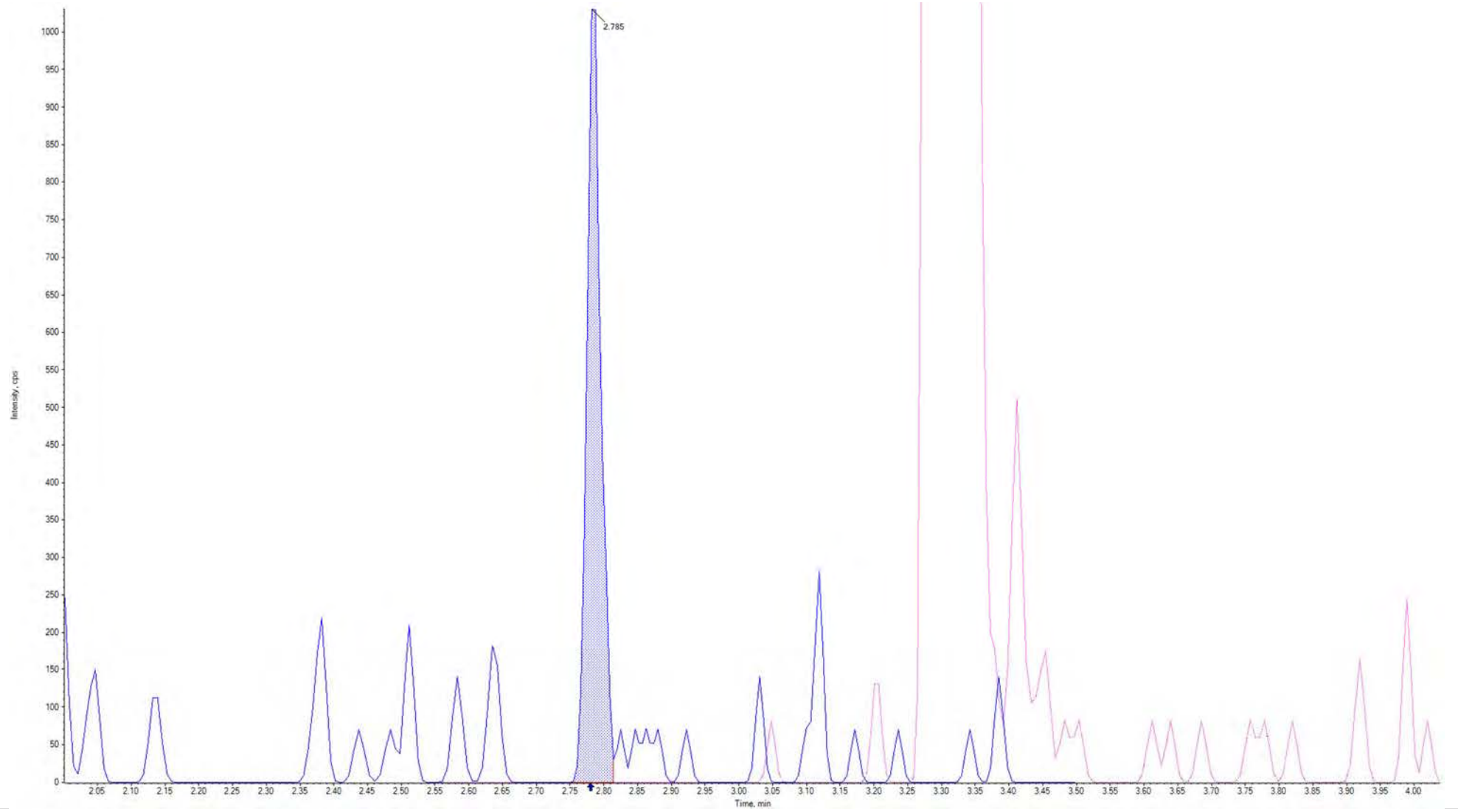
PFPeS_2
Sample: L2512368-21RE S/N:15.5 Points Across peak:14



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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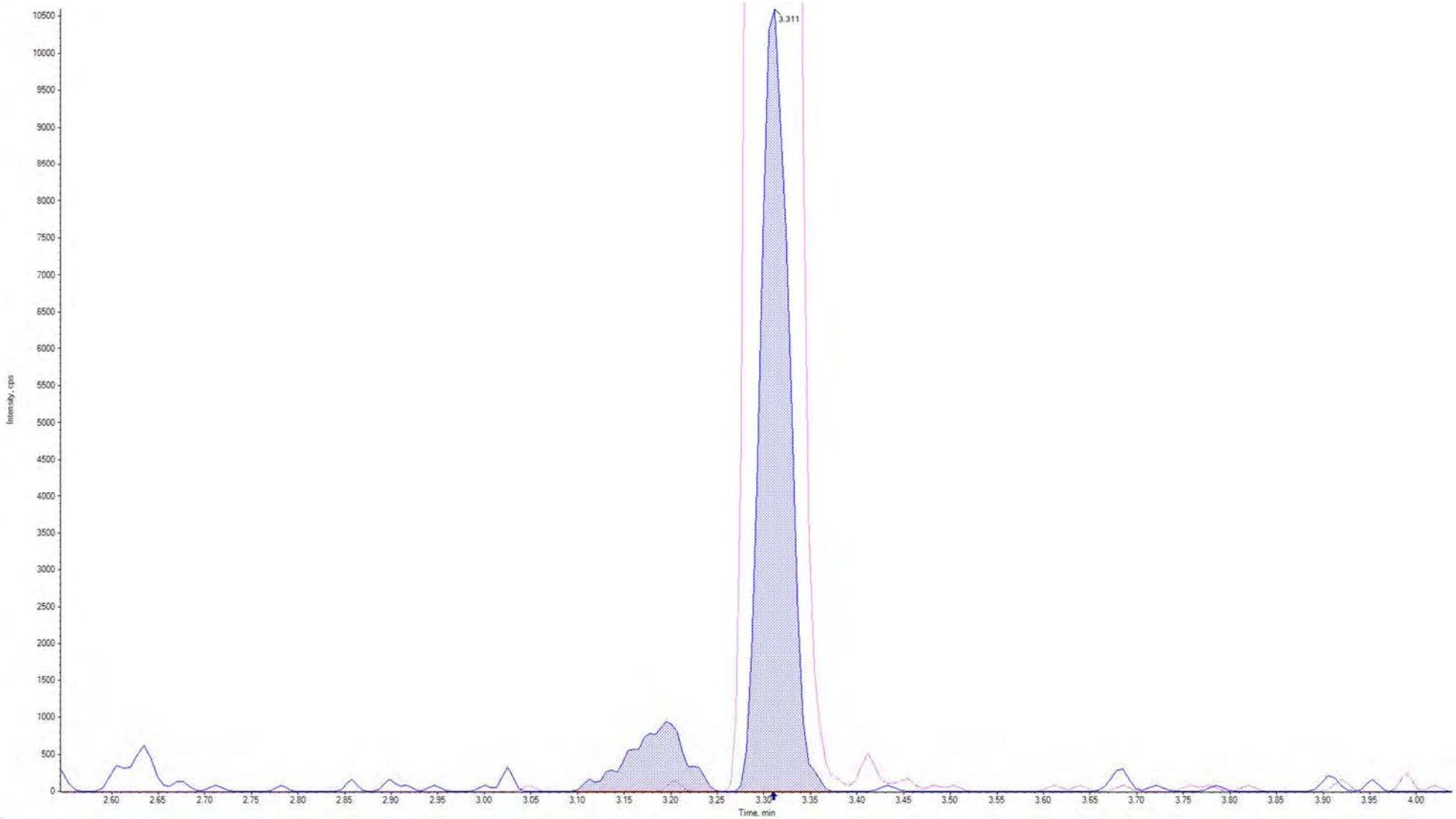
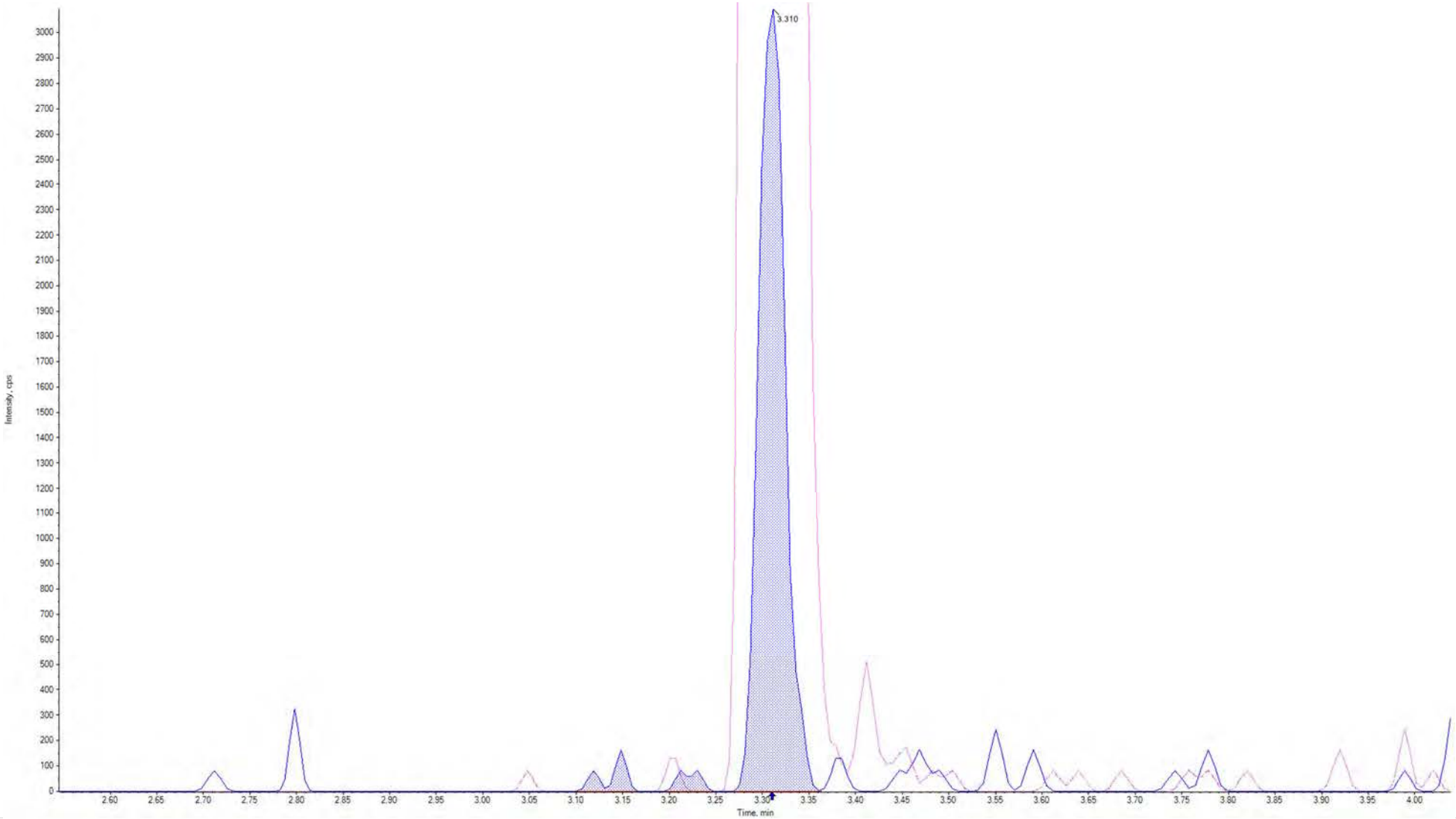
Last Altered: 3/18/2025 9:34:10 AM
Generated: 3/17/2025 4:15:11 PM

PFHxS
Sample: L2512368-21RE S/N:132.8 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\250317\SCI07_250317_44.wiff2_7
Last Altered: 3/18/2025 9:34:10 AM
Generated: 3/17/2025 4:15:11 PM

PFHxS_2
Sample: L2512368-21RE S/N:38.7 Points Across peak:47



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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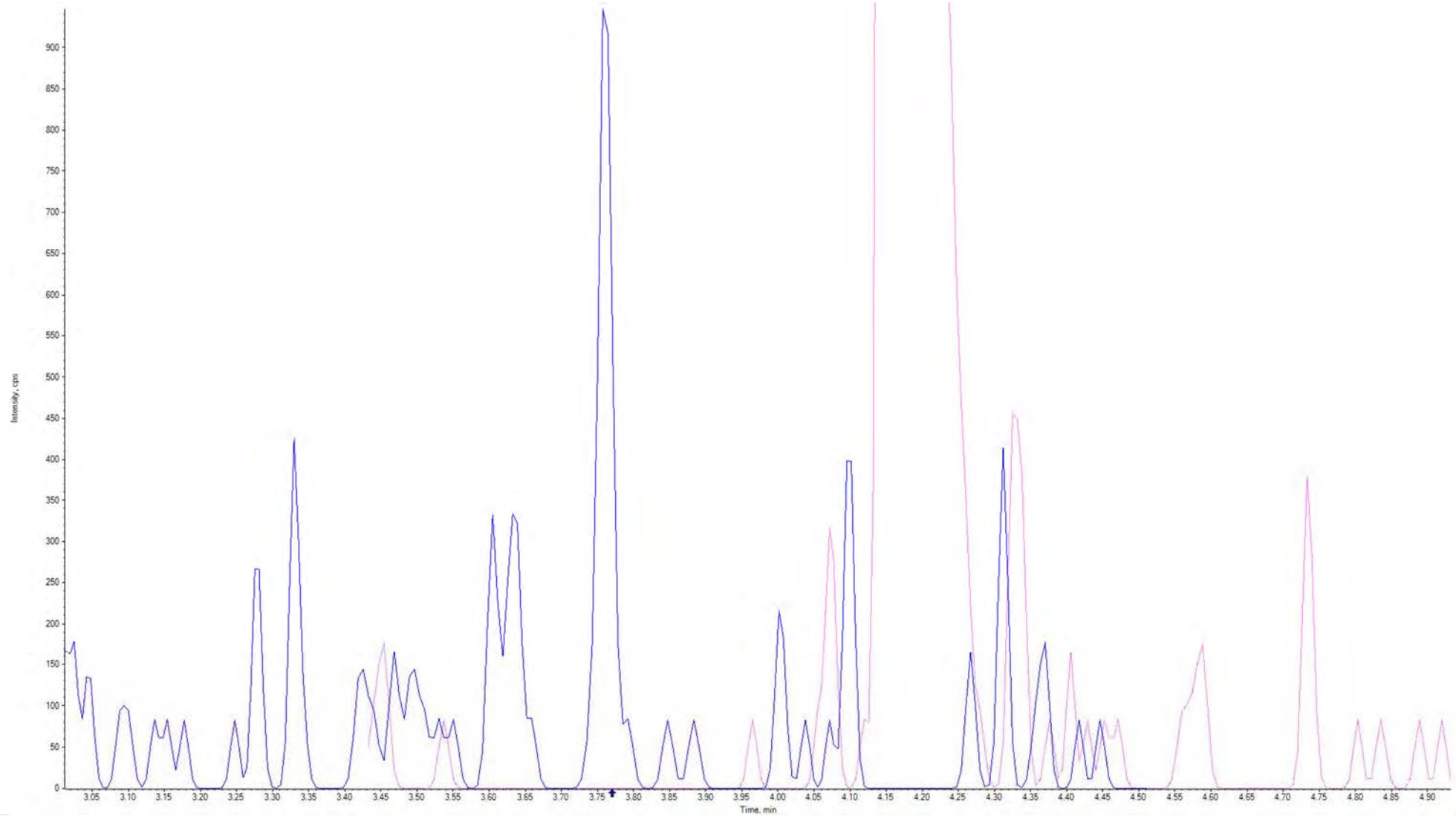
Generated: 3/17/2025 4:15:11 PM

PFHpS
Sample: L2512368-21RE 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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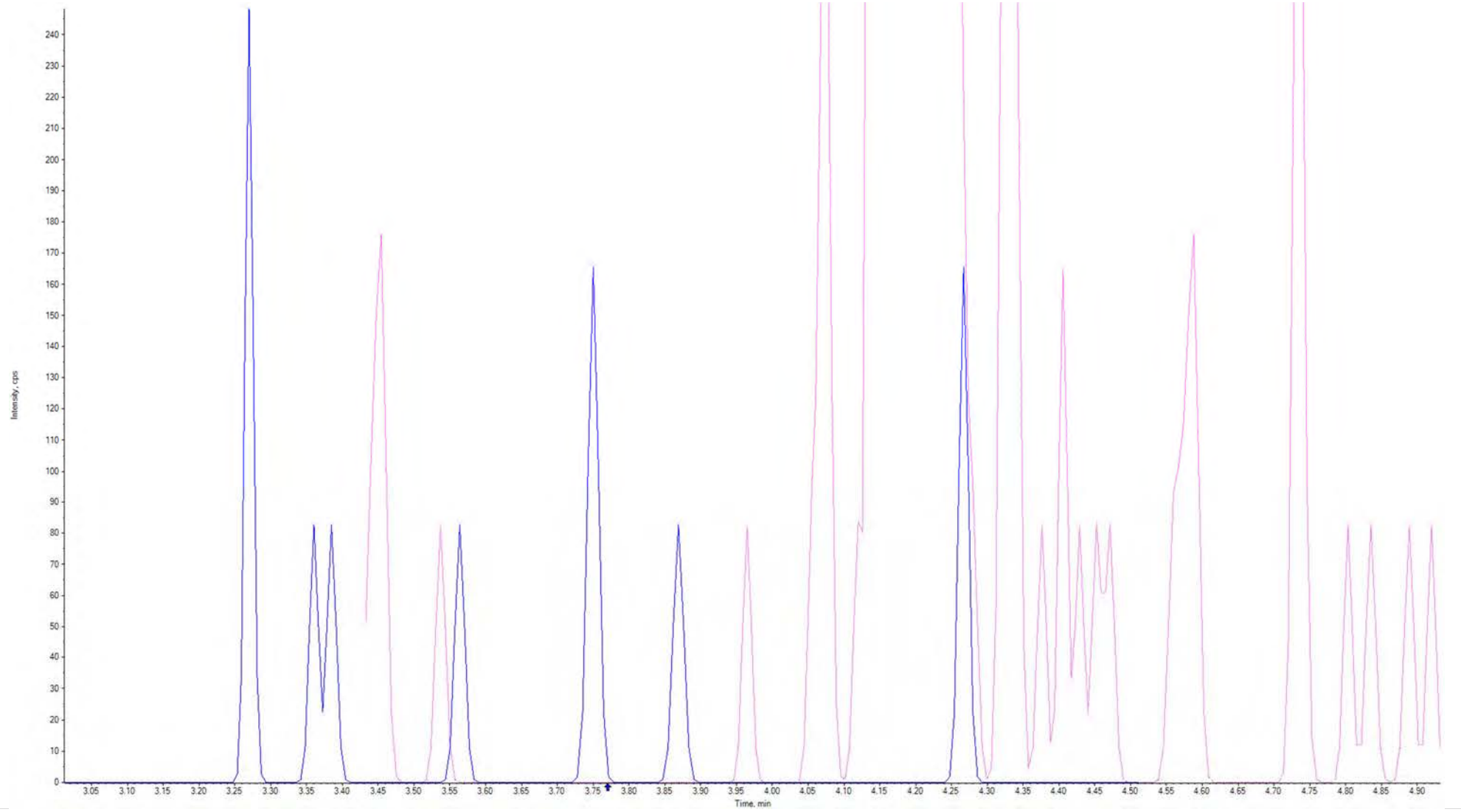
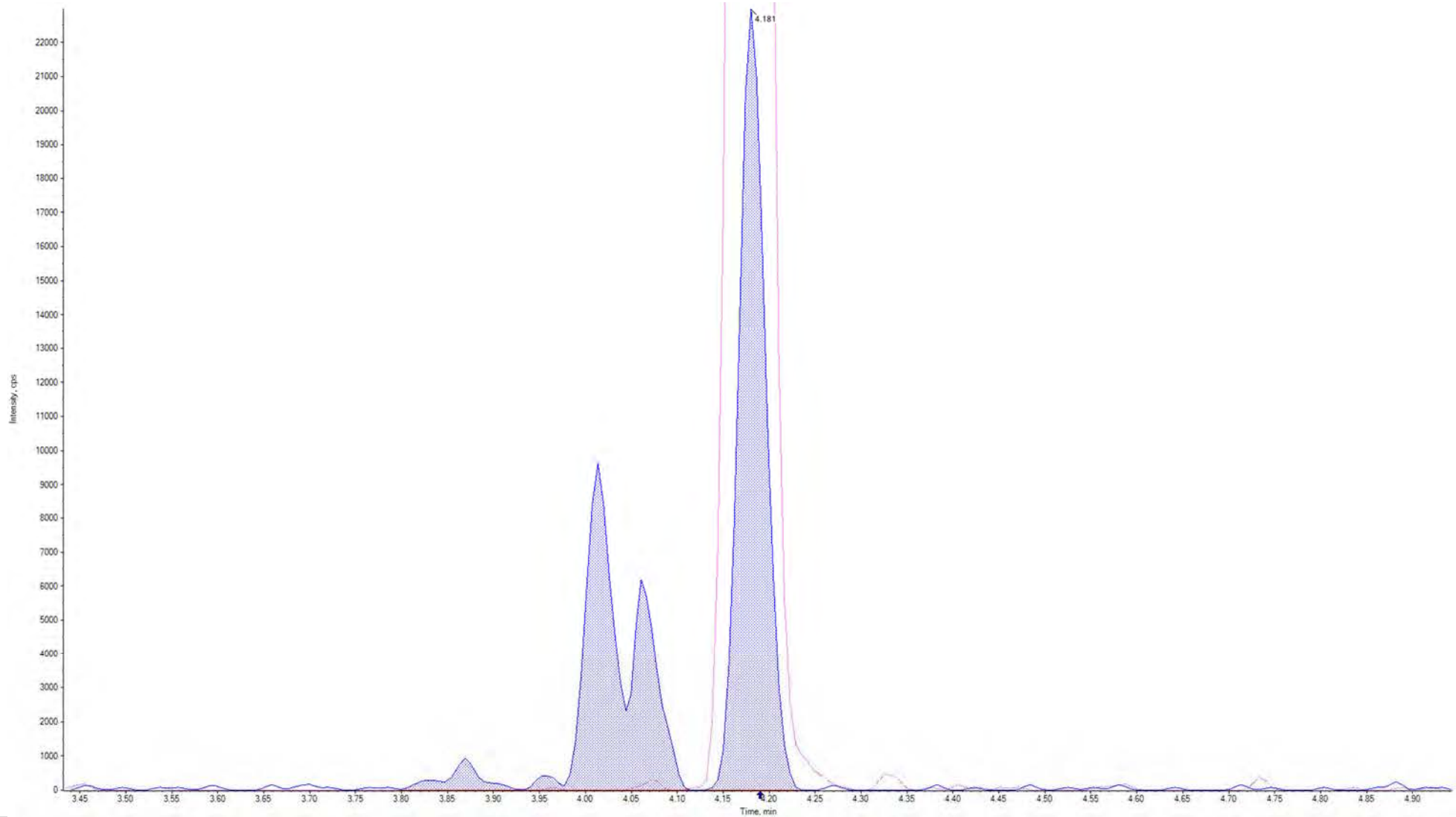
Last Altered: 3/18/2025 9:34:10 AM
Generated: 3/17/2025 4:15:11 PM

PFHpS_2
Sample: L2512368-21RE 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\250317\SCI07_250317_44.wiff2_7
Last Altered: 3/18/2025 9:34:10 AM
Generated: 3/17/2025 4:15:11 PM

PFOS
Sample: L2512368-21RE S/N:287.9 Points Across peak:72



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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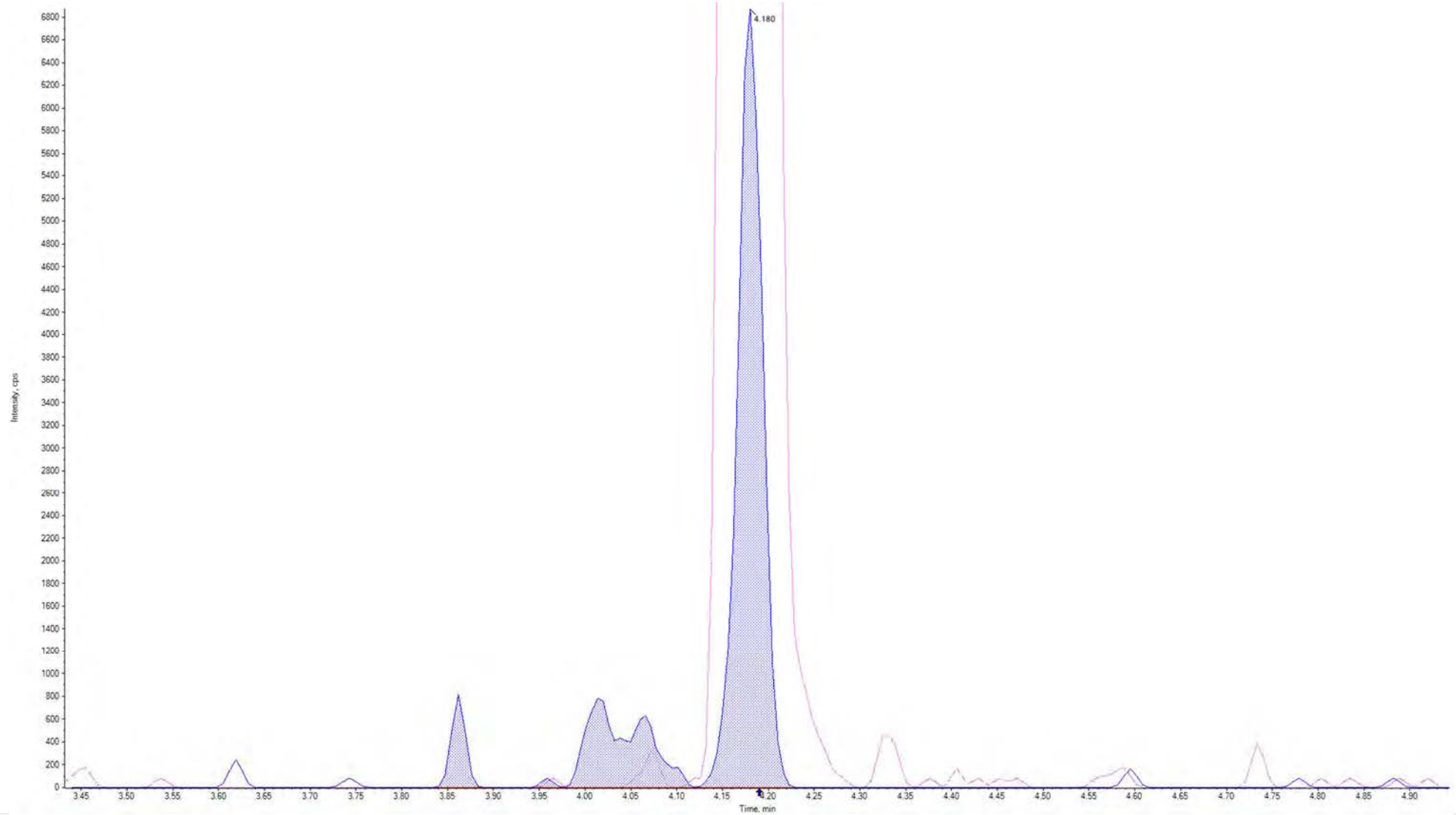
Generated: 3/17/2025 4:15:11 PM

PFOS_2
Sample: L2512368-21RE S/N:86.1 Points Across peak:66



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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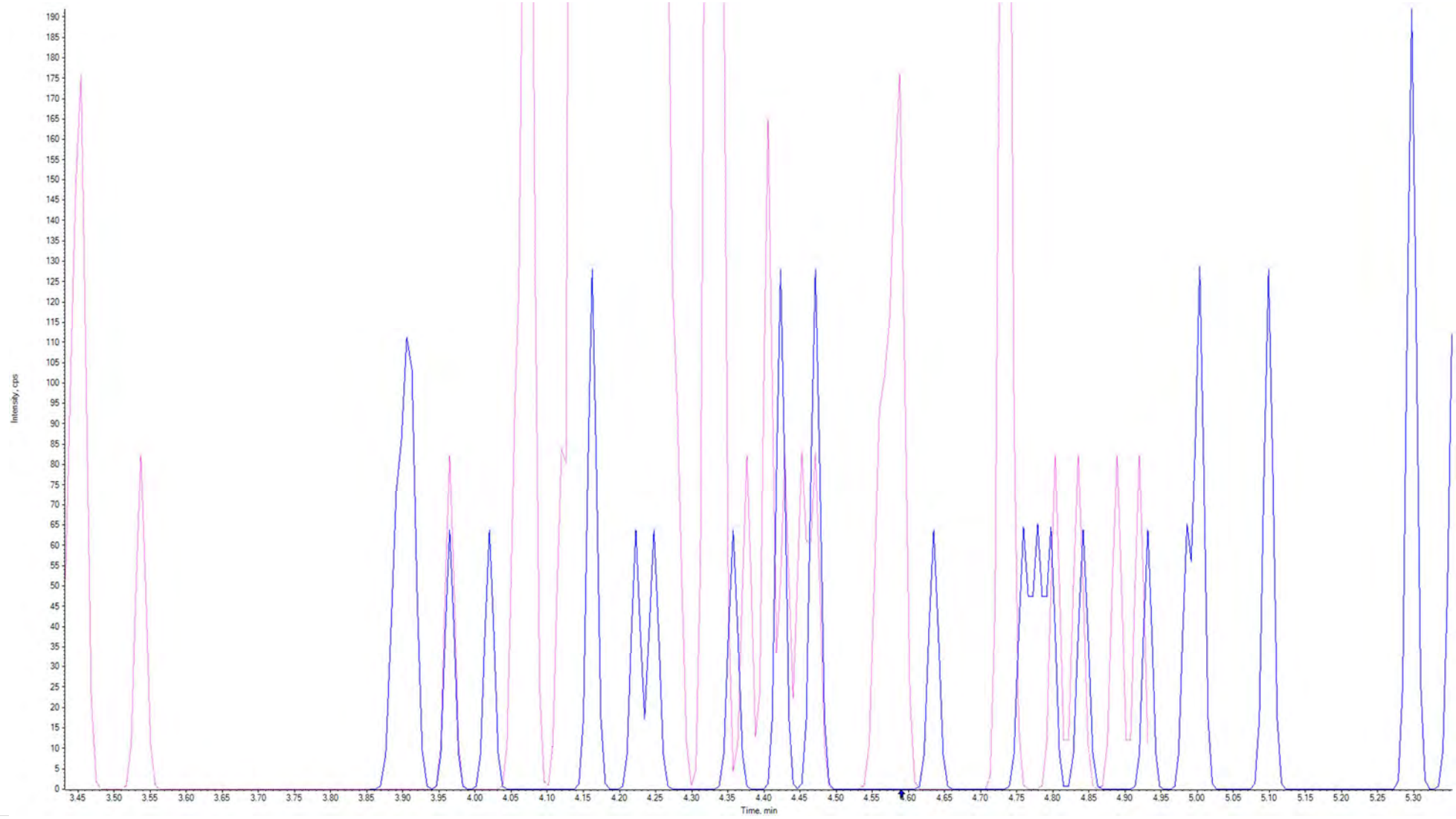
PFNS
Sample: L2512368-21RE S/N:N/A Points Across peak:N/A



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Alpha Analytical LLC
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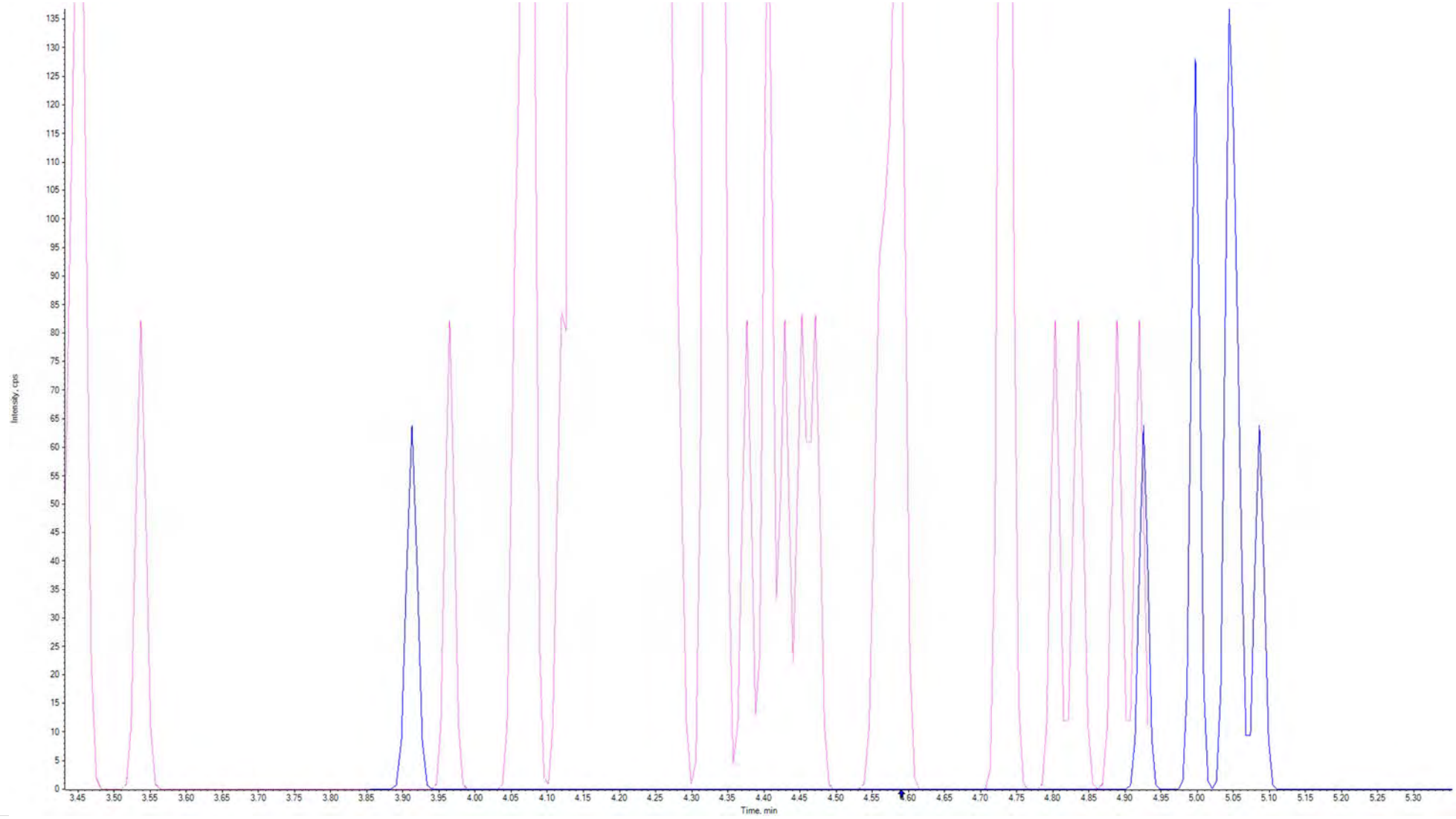
PFNS_2
Sample: L2512368-21RE S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/18/2025 9:34:10 AM
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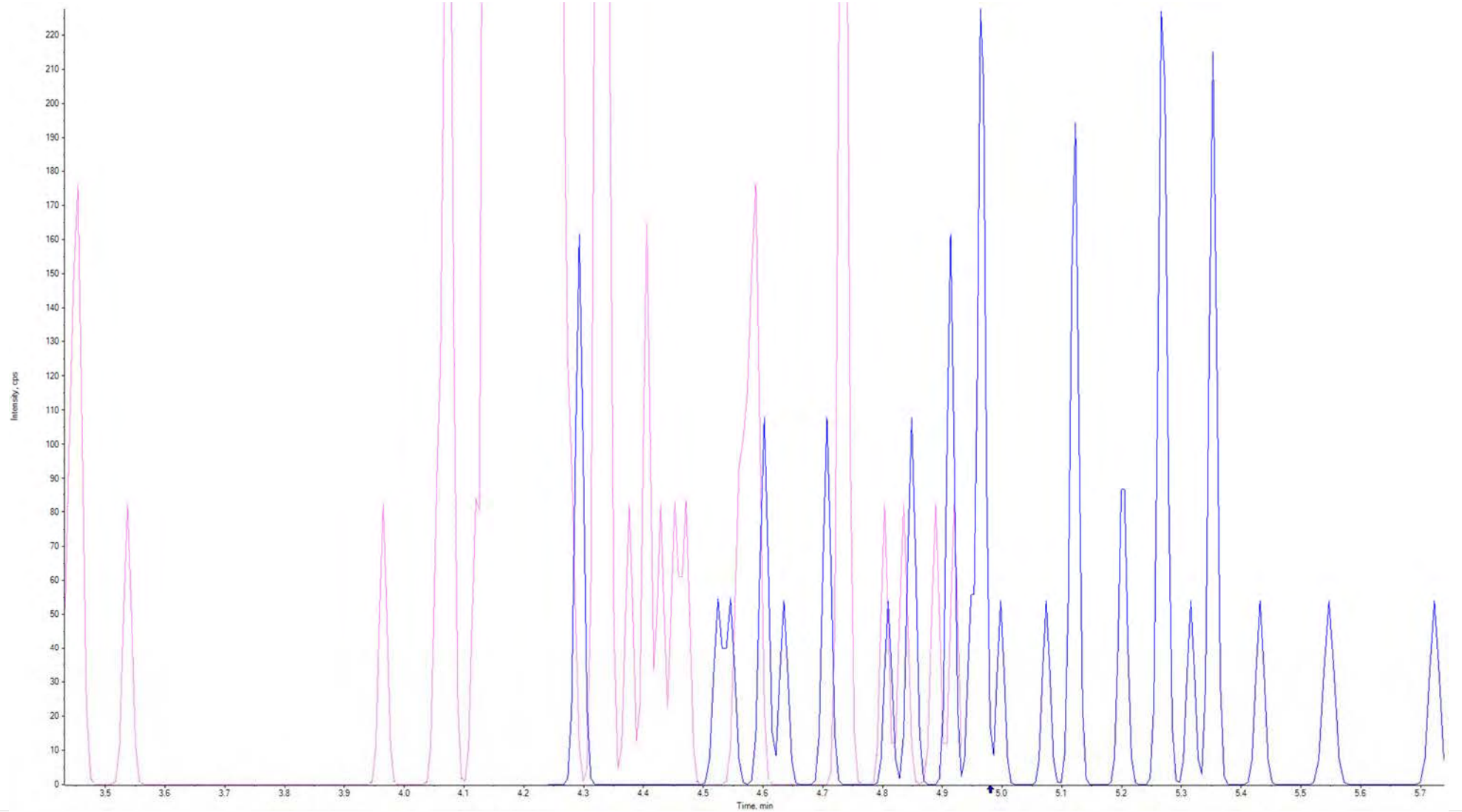
PFDS
Sample: L2512368-21RE S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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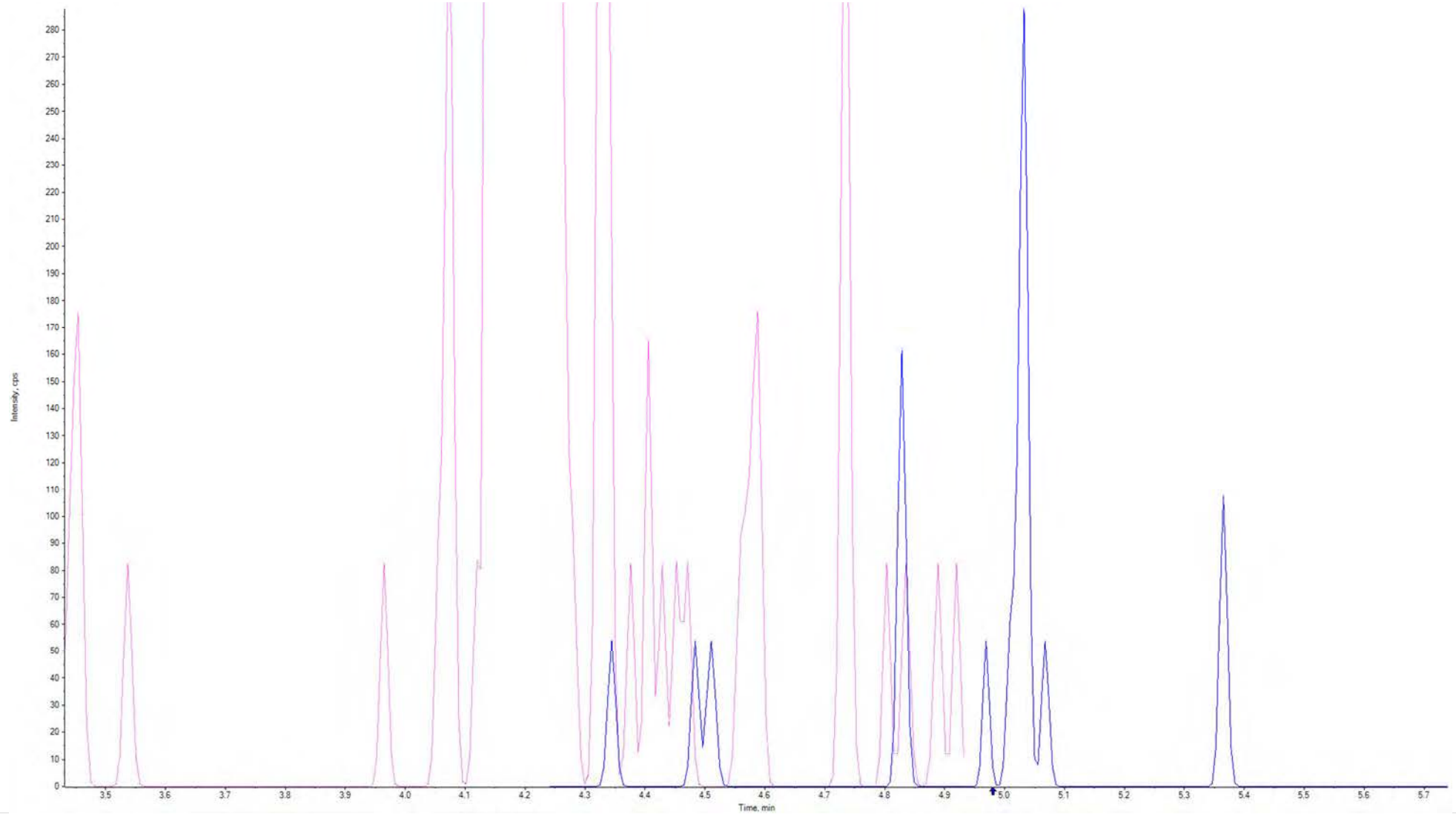
PFDS_2
Sample: L2512368-21RE S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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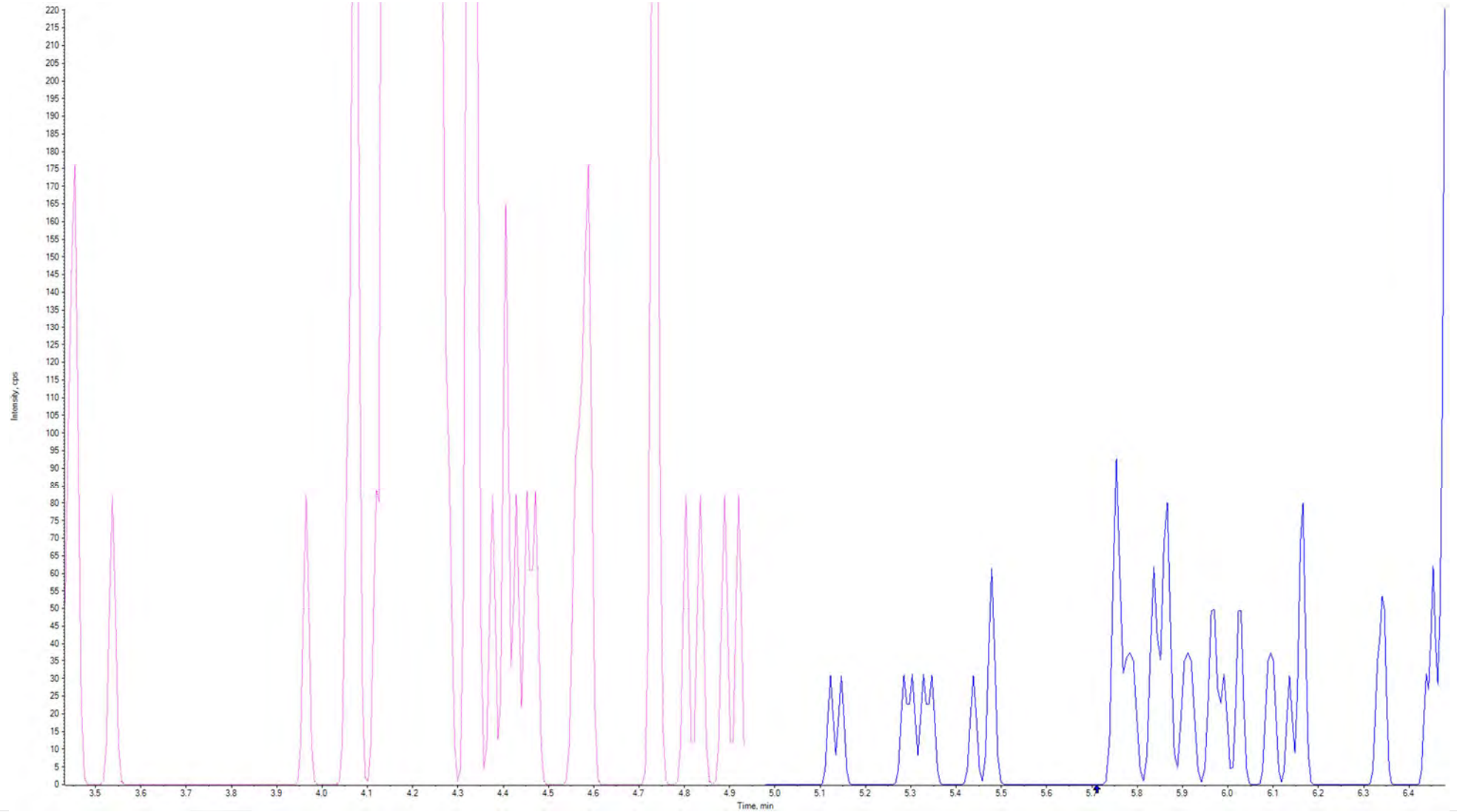
Last Altered: 3/18/2025 9:34:10 AM
Generated: 3/17/2025 4:15:11 PM

PFDoS
Sample: L2512368-21RE 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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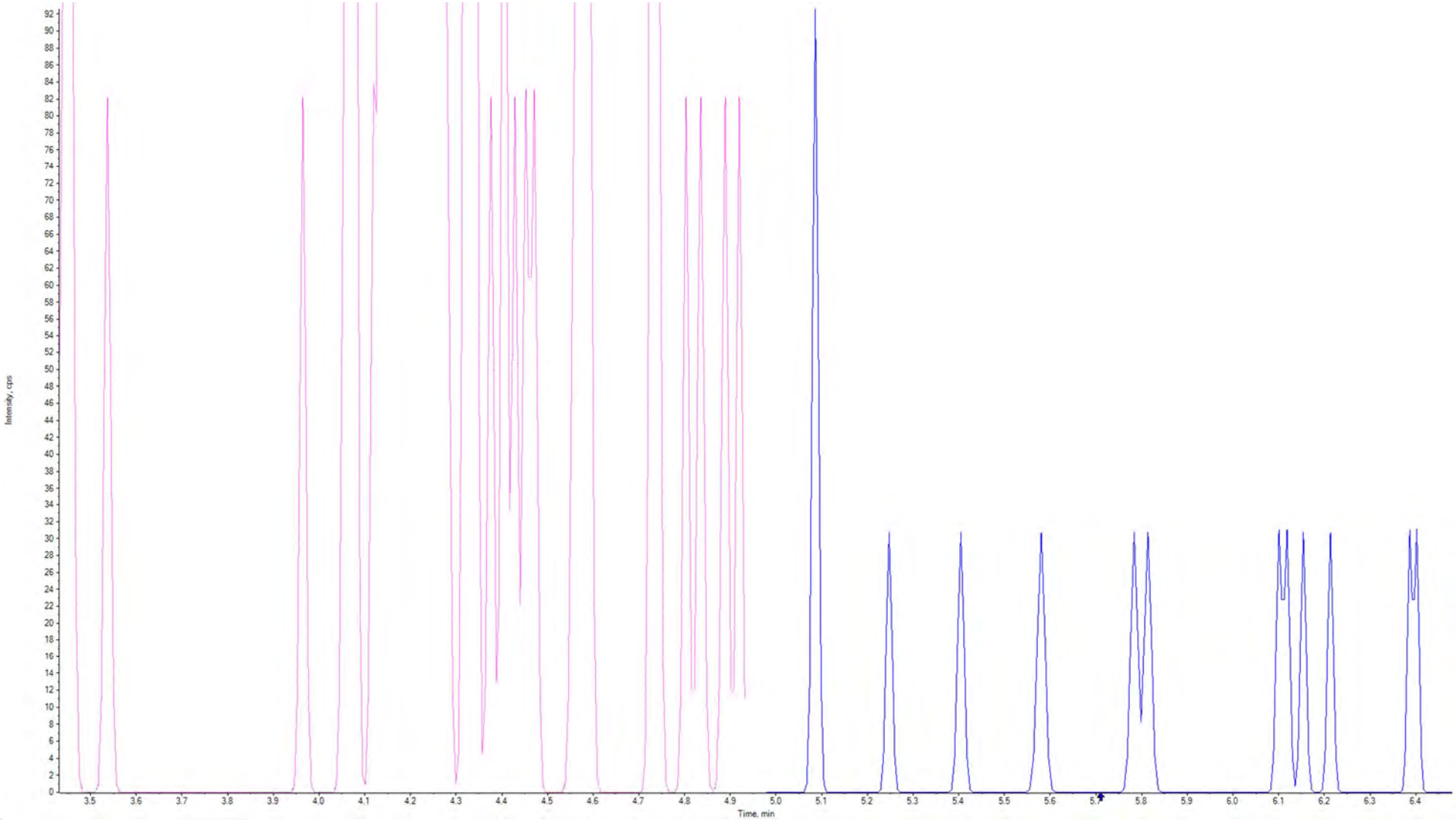
PFDoS_2
Sample: L2512368-21RE S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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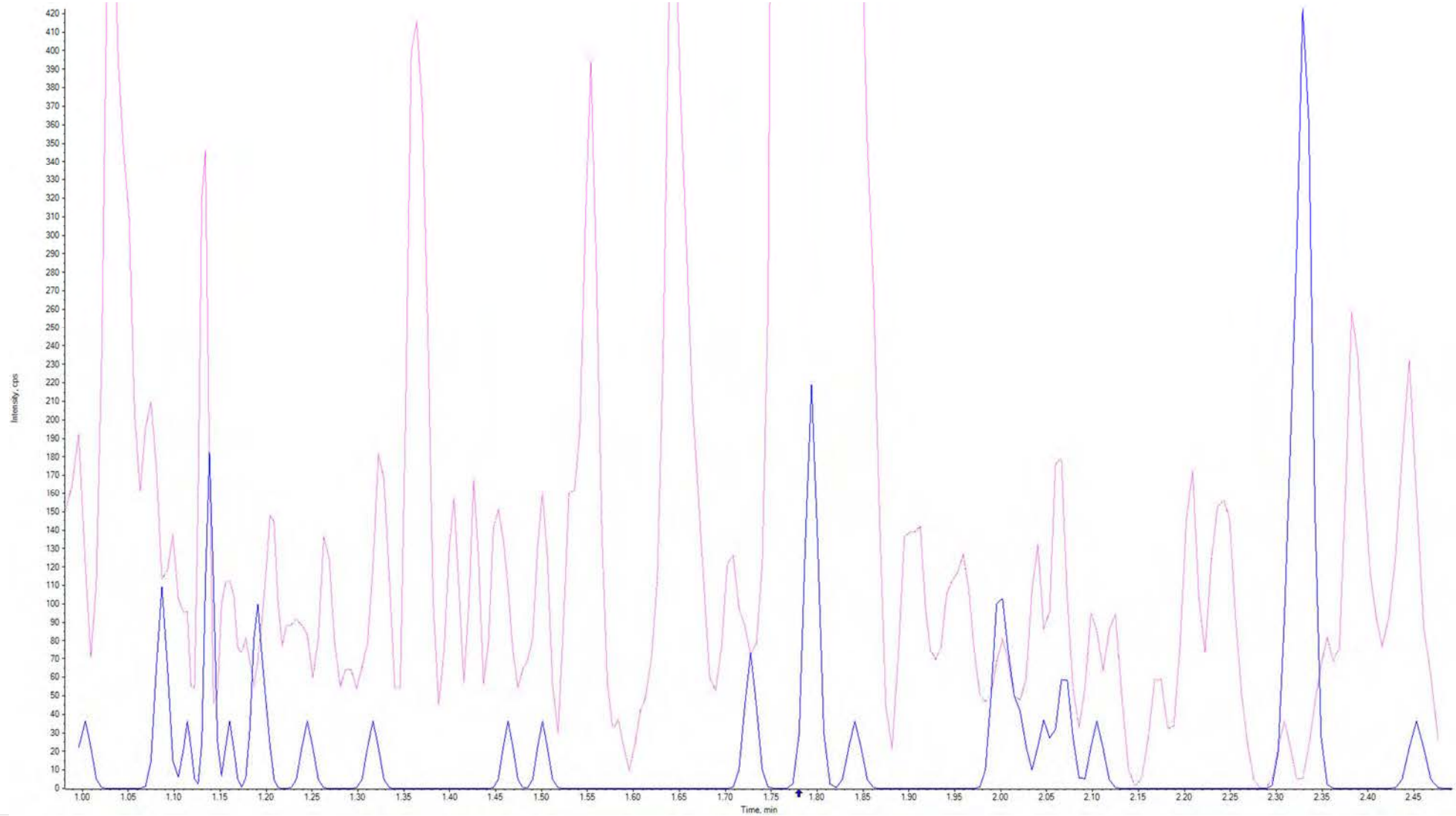
Last Altered: 3/18/2025 9:34:10 AM
Generated: 3/17/2025 4:15:11 PM

4:2FTS
Sample: L2512368-21RE 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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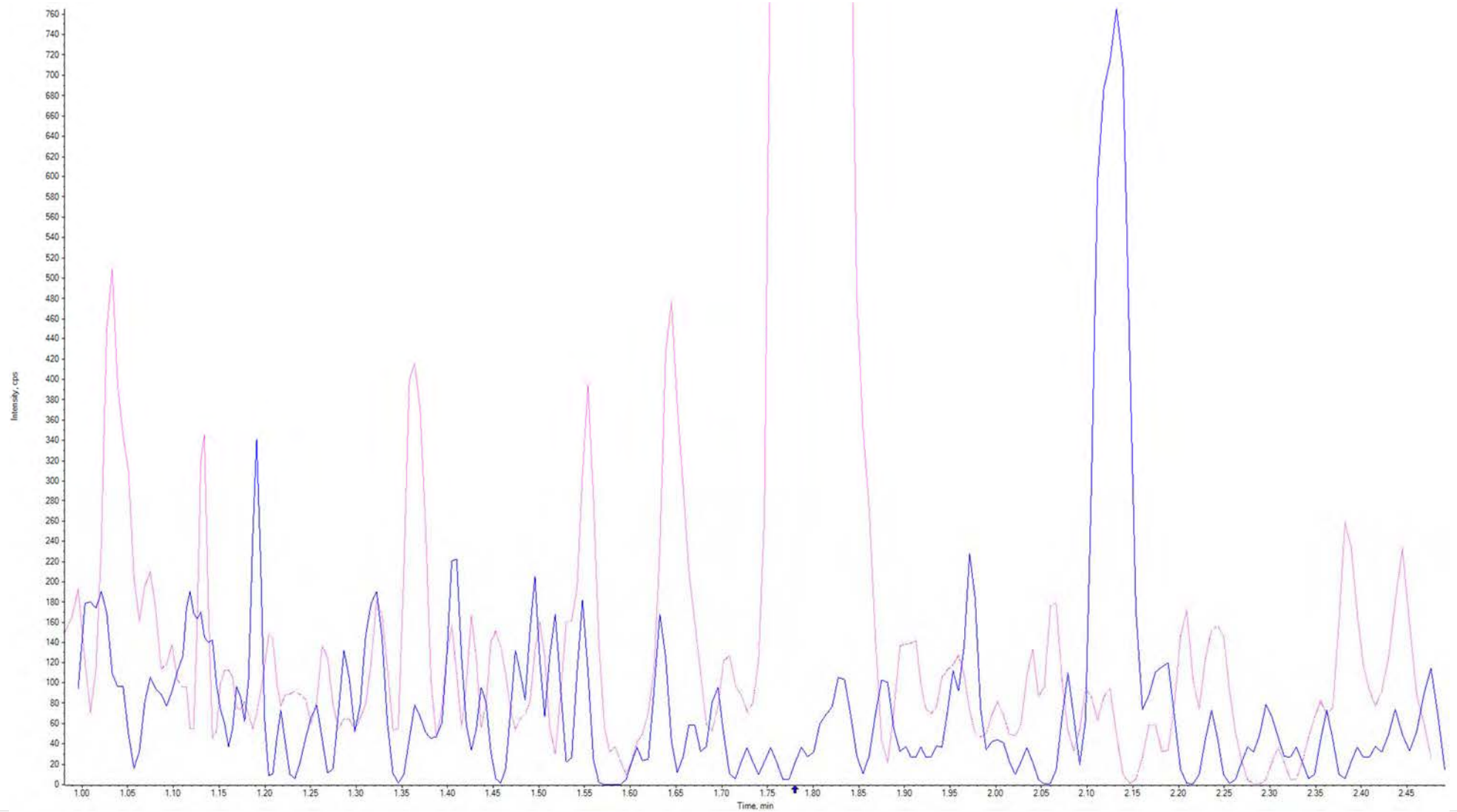
Last Altered: 3/18/2025 9:34:10 AM
Generated: 3/17/2025 4:15:11 PM

4:2FTS_2
Sample: L2512368-21RE 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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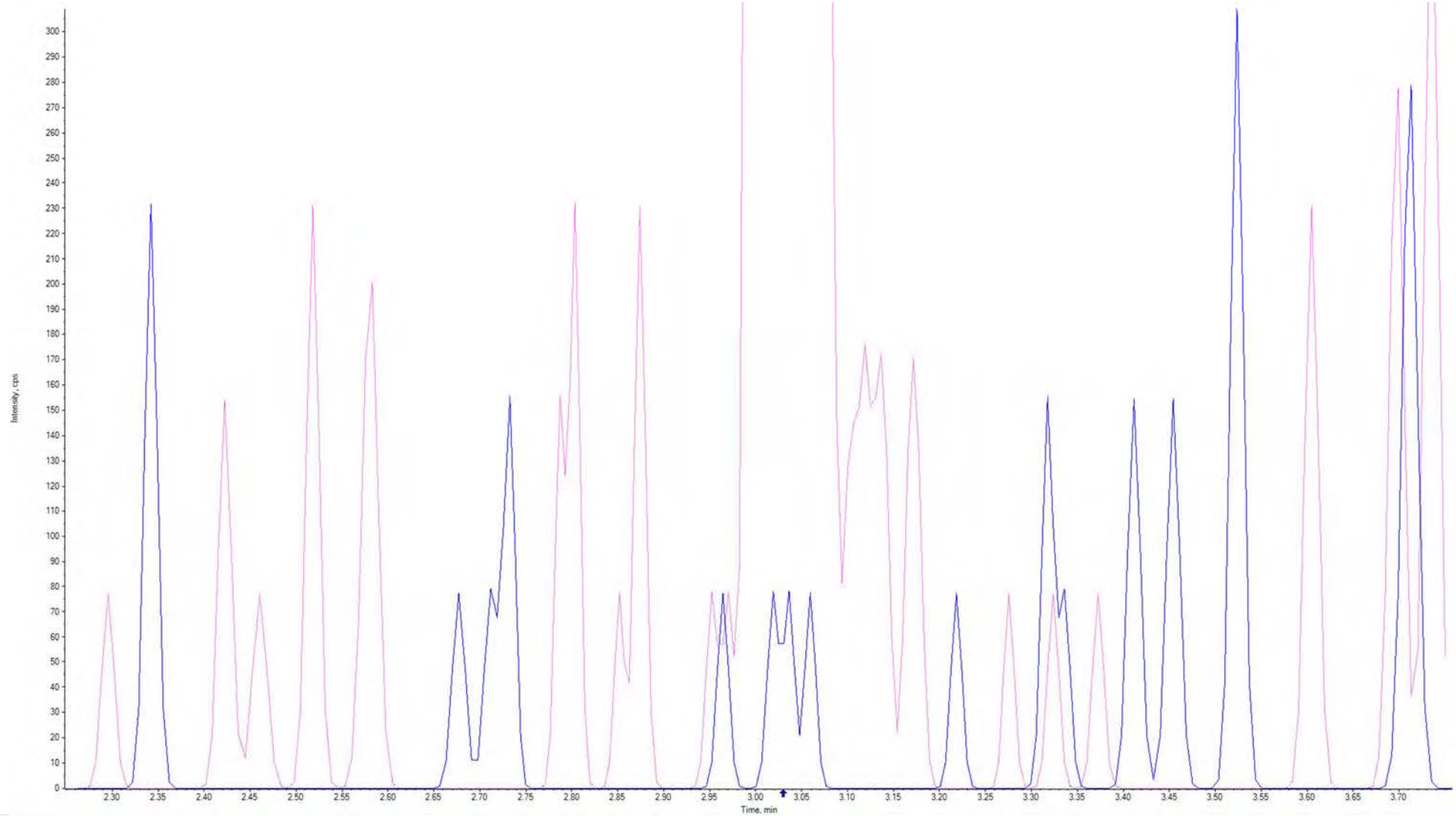
Last Altered: 3/18/2025 9:34:10 AM
Generated: 3/17/2025 4:15:11 PM

6:2FTS
Sample: L2512368-21RE 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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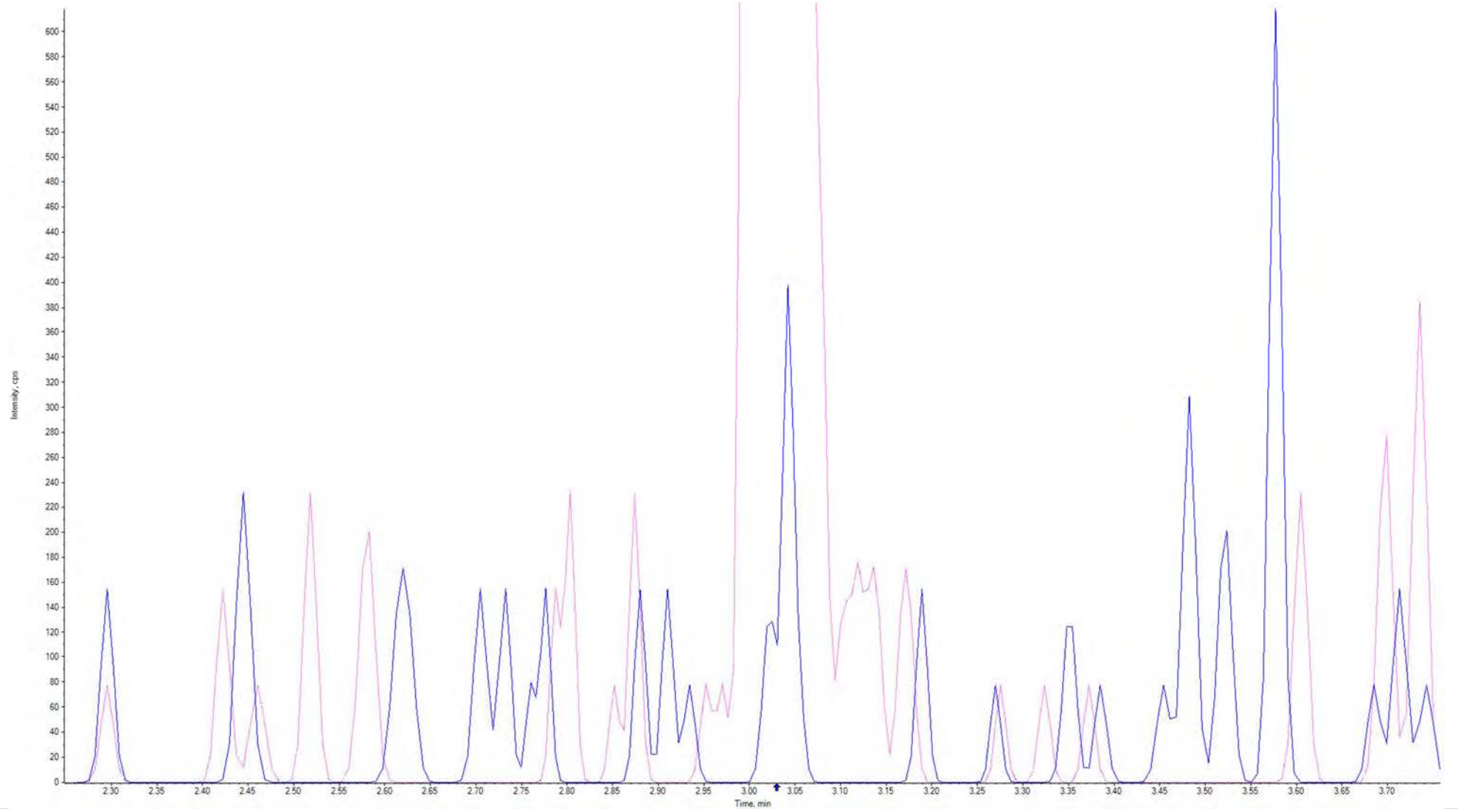
6:2FTS_2
Sample: L2512368-21RE S/N:N/A Points Across peak:N/A



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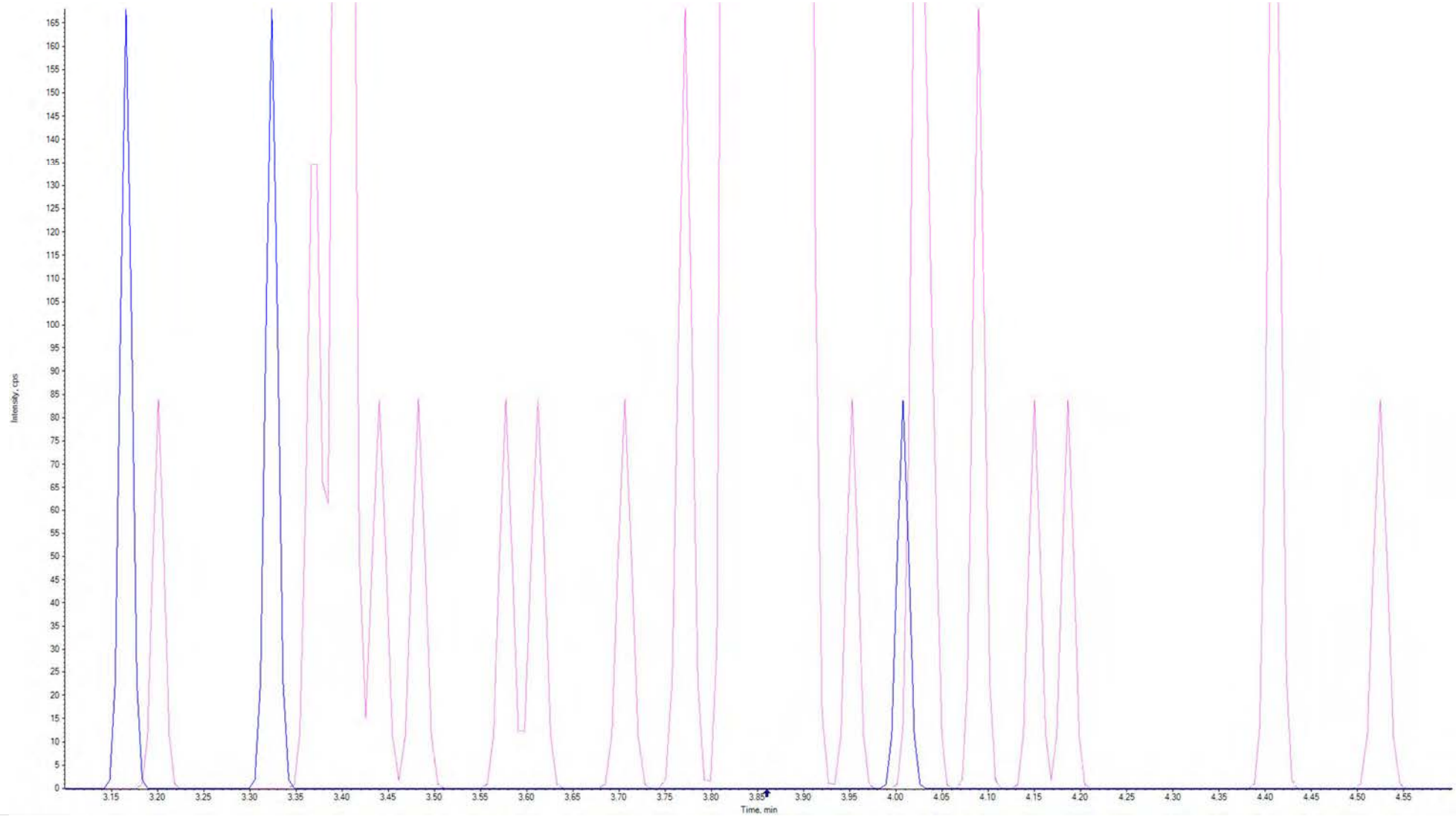
Generated: 3/17/2025 4:15:11 PM

8:2FTS
Sample: L2512368-21RE S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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8:2FTS_2
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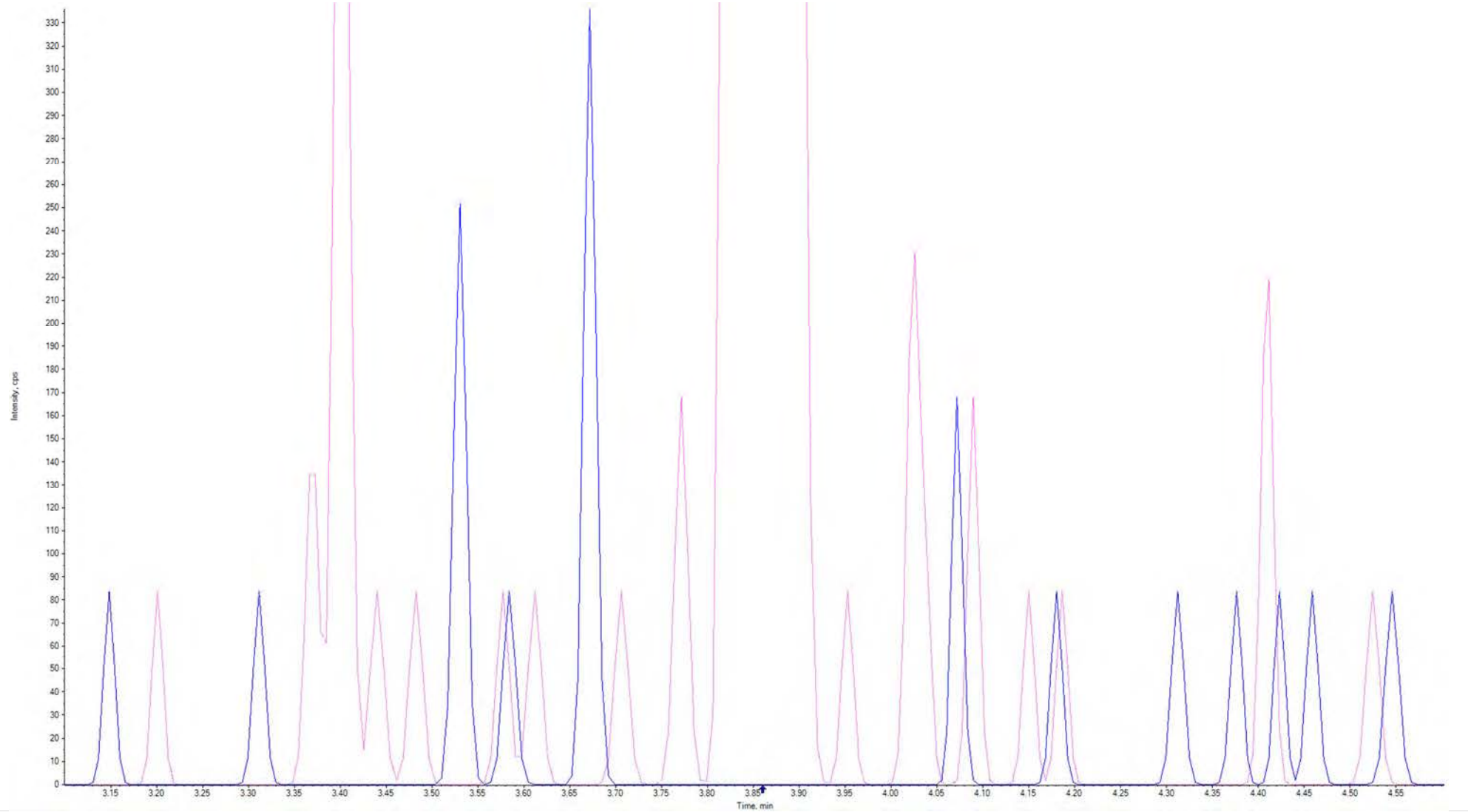

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Last Altered: 3/18/2025 9:34:10 AM
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PFOSA
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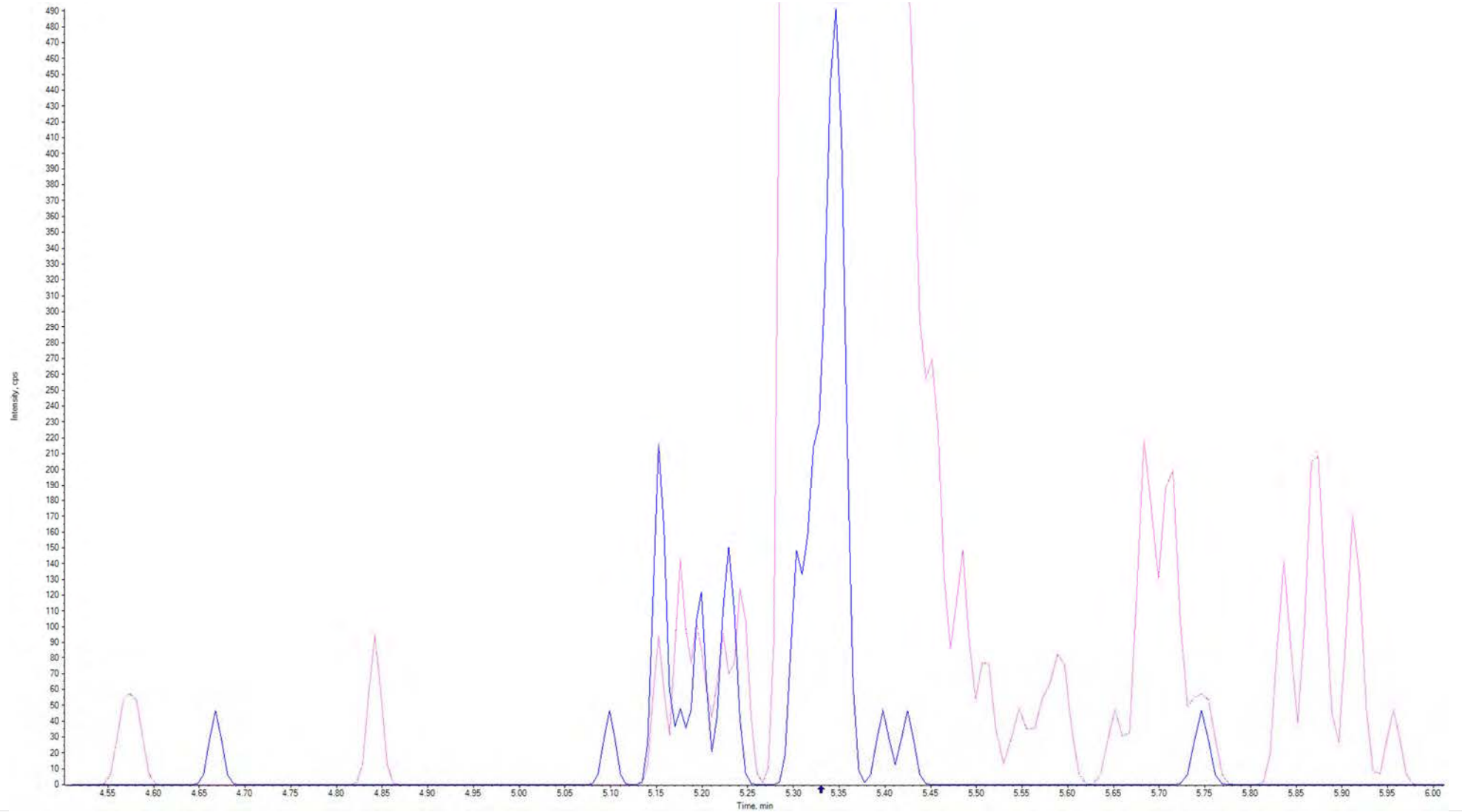

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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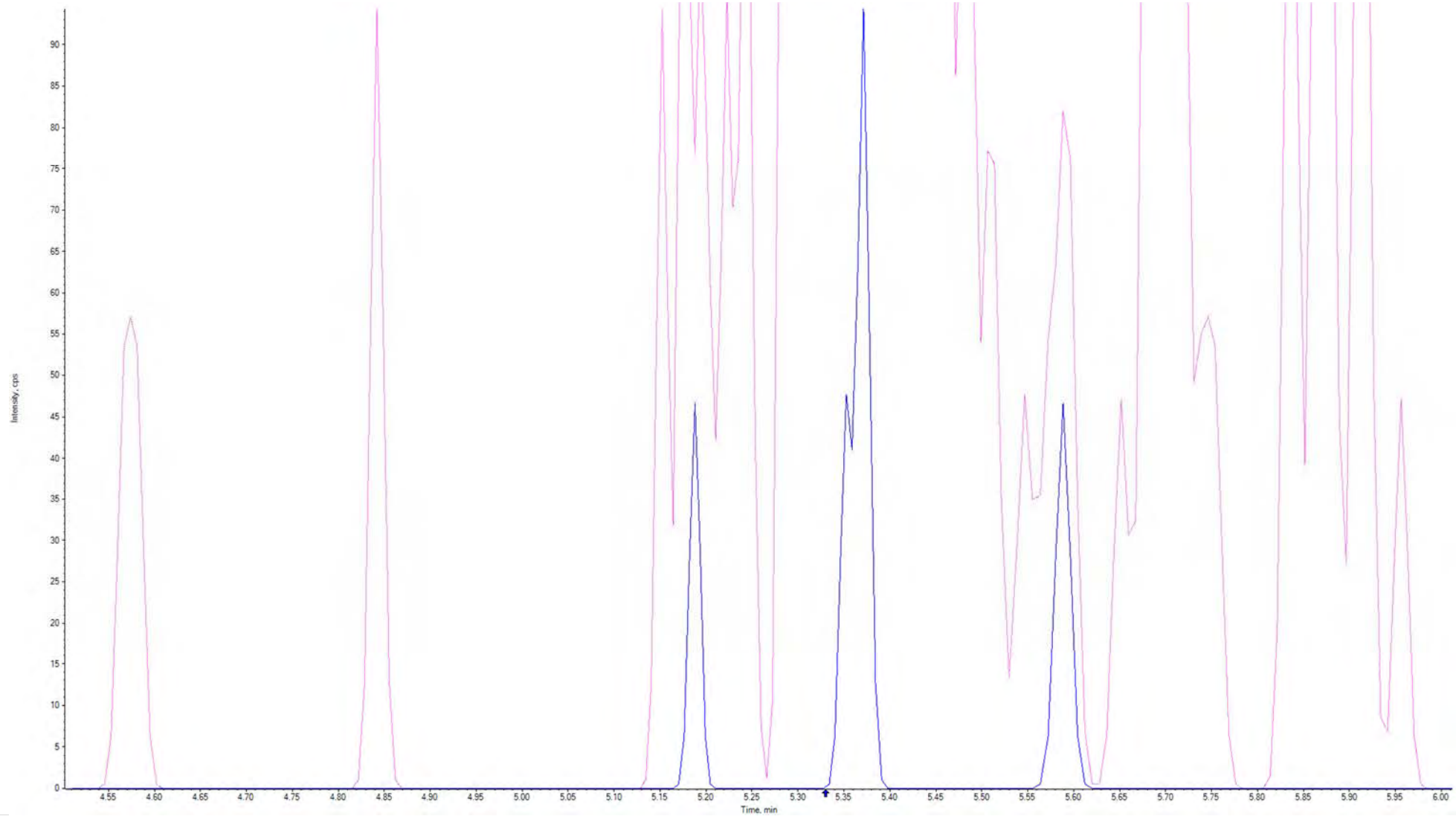
PFOSA_2
Sample: L2512368-21RE S/N:N/A Points Across peak:N/A



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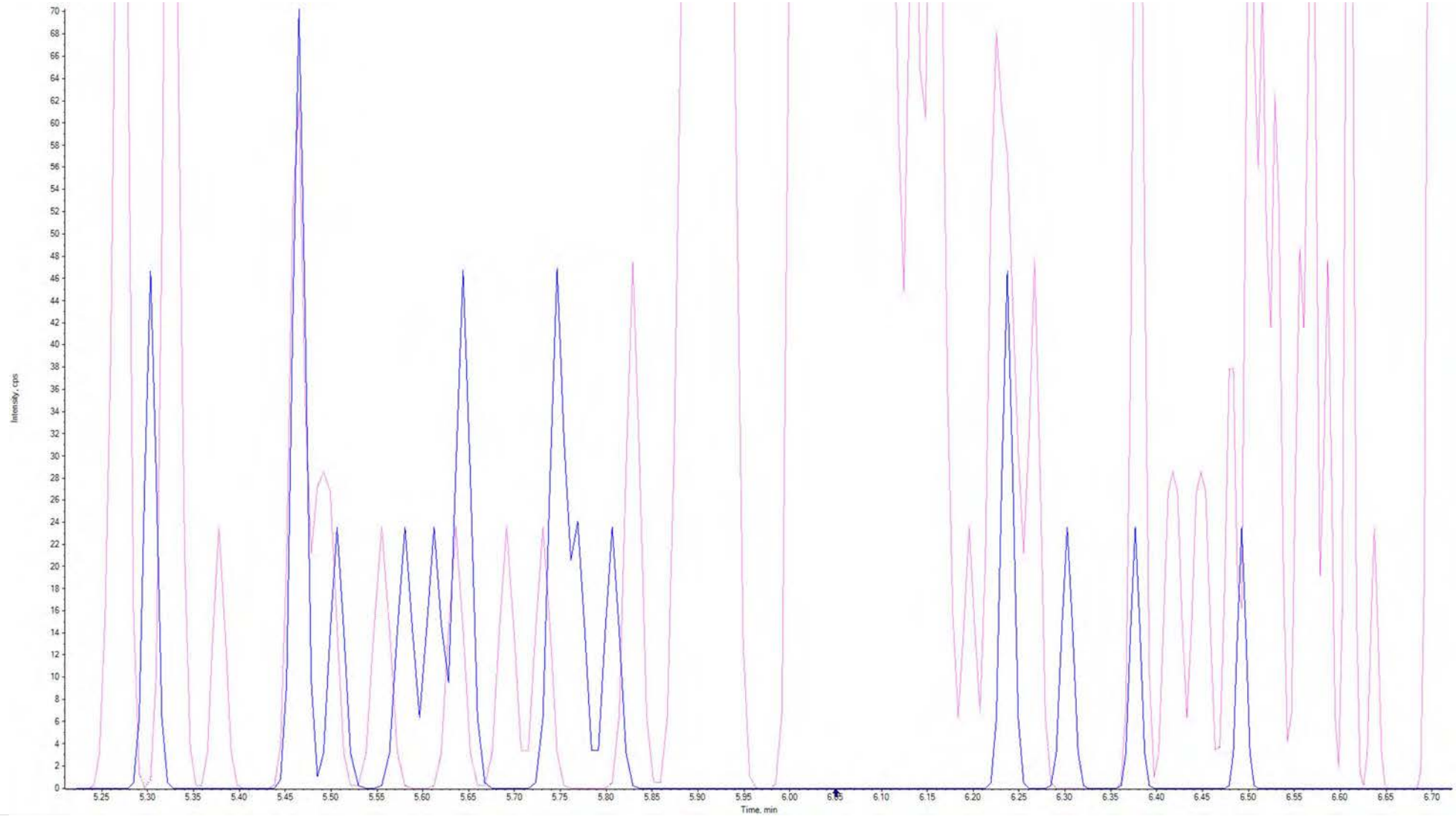
NMeFOSA
Sample: L2512368-21RE S/N:N/A Points Across peak:N/A



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NMeFOSA_2
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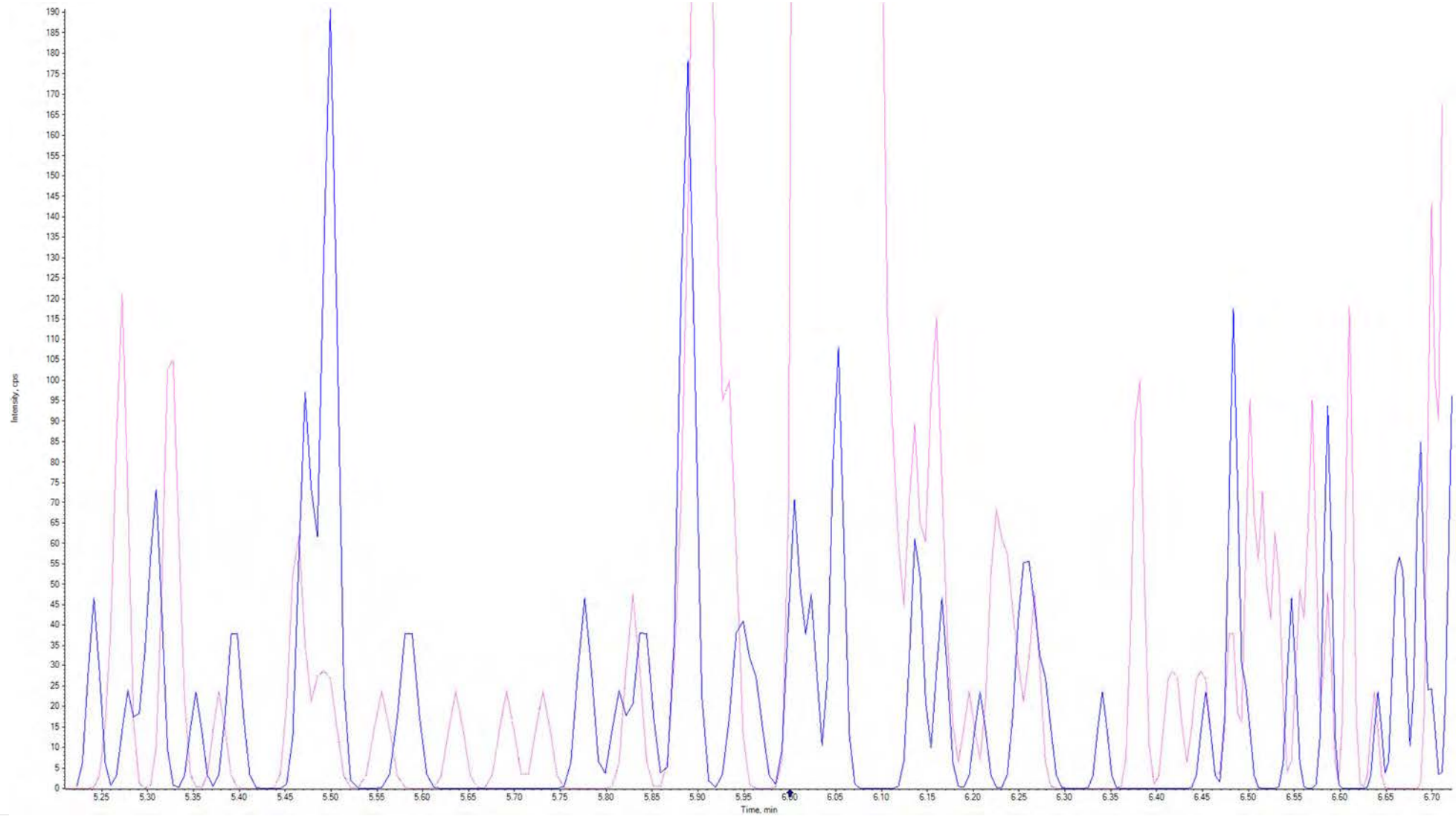

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NEtFOSA
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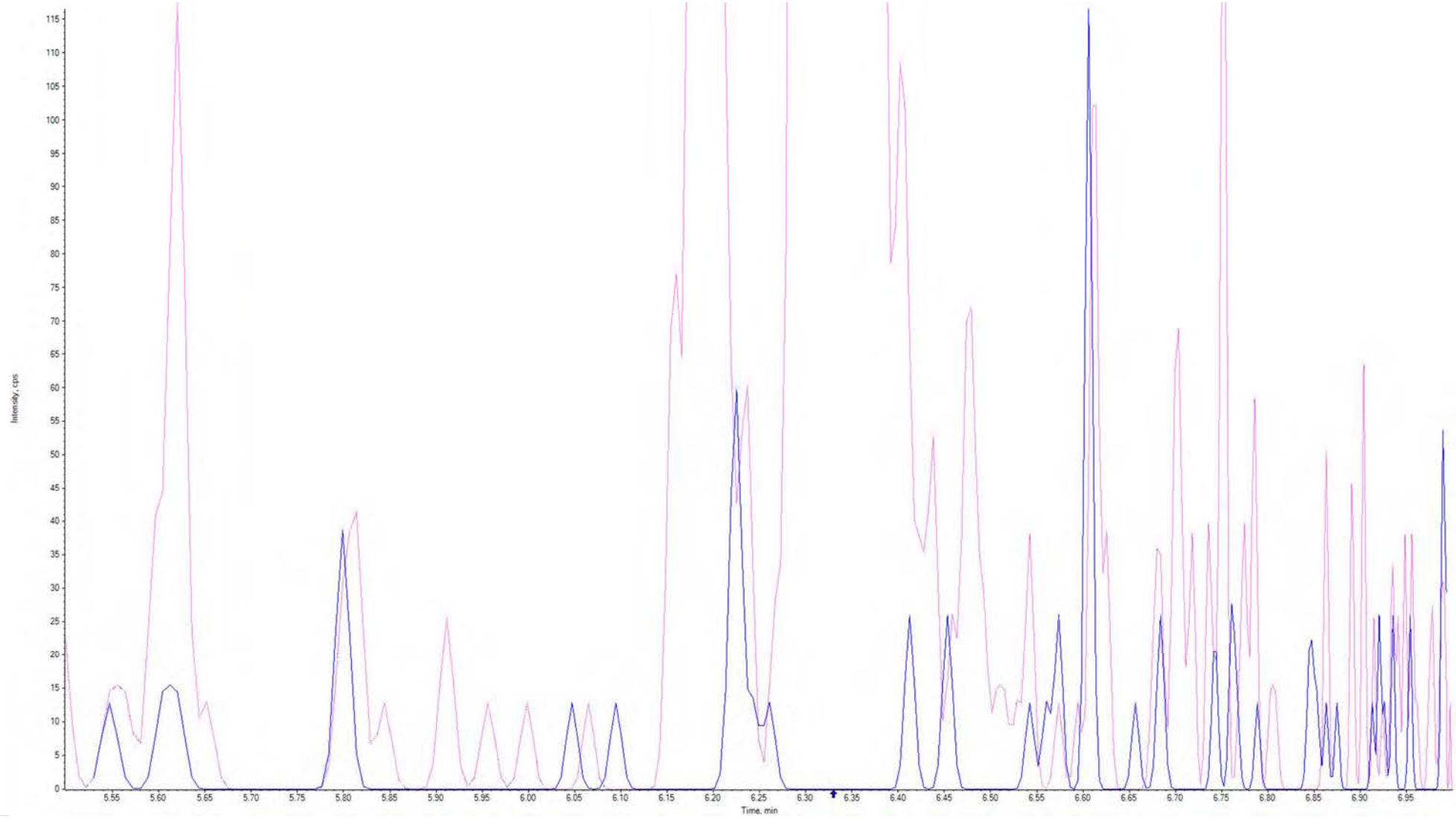

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NEtFOSA_2
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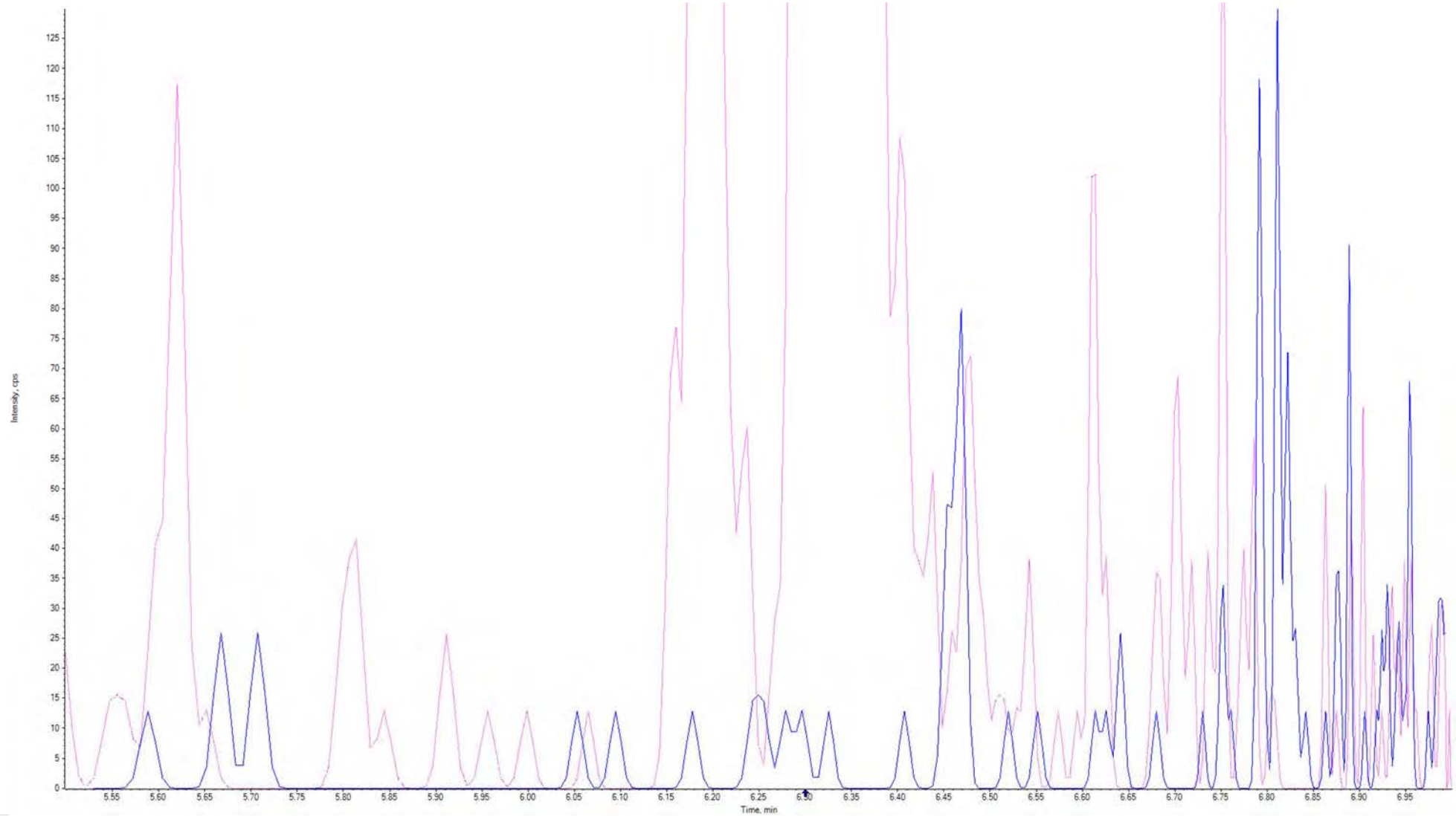

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NMeFOSAA
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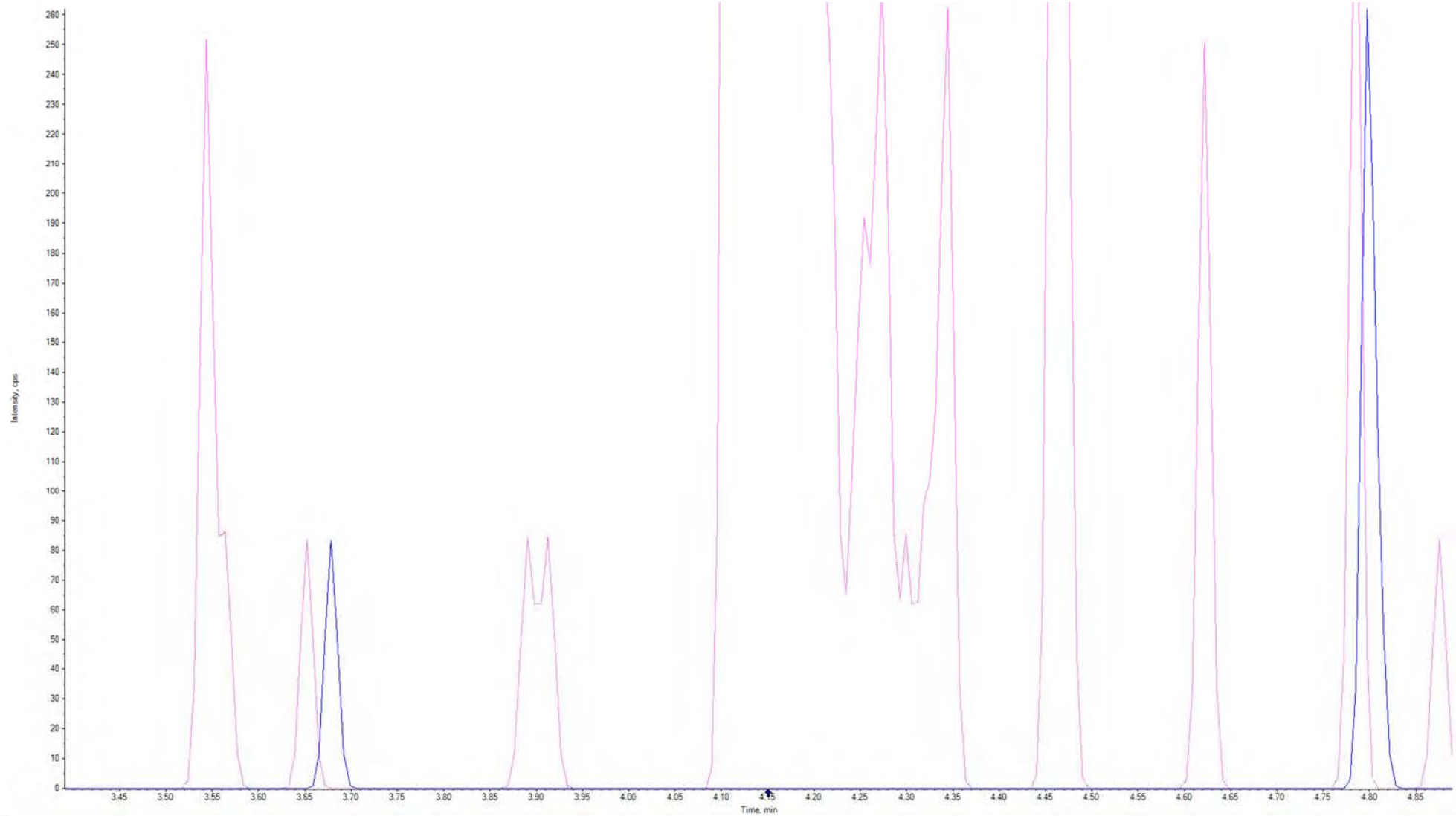

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NMeFOSAA_2
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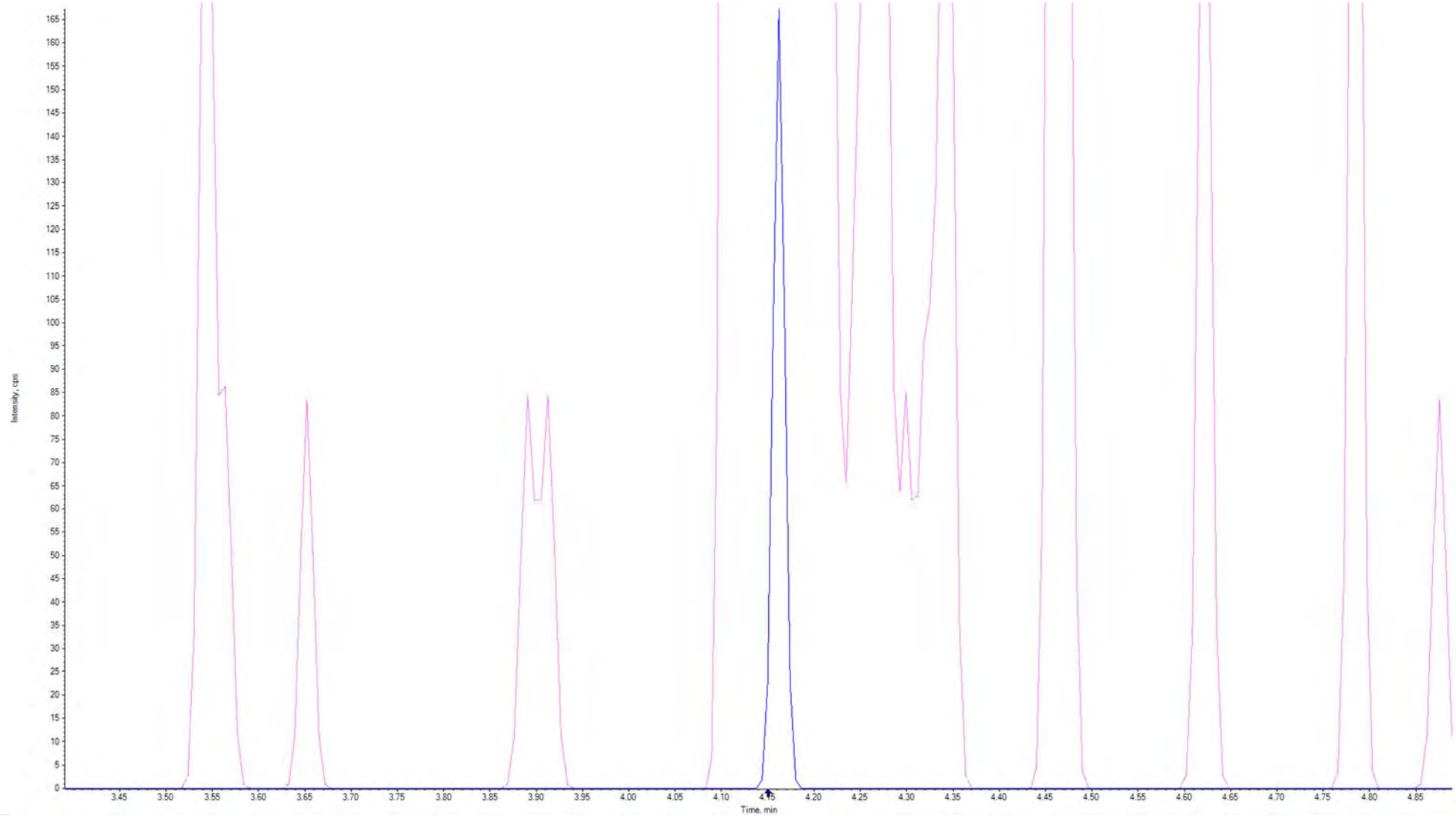

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NEtFOSAA
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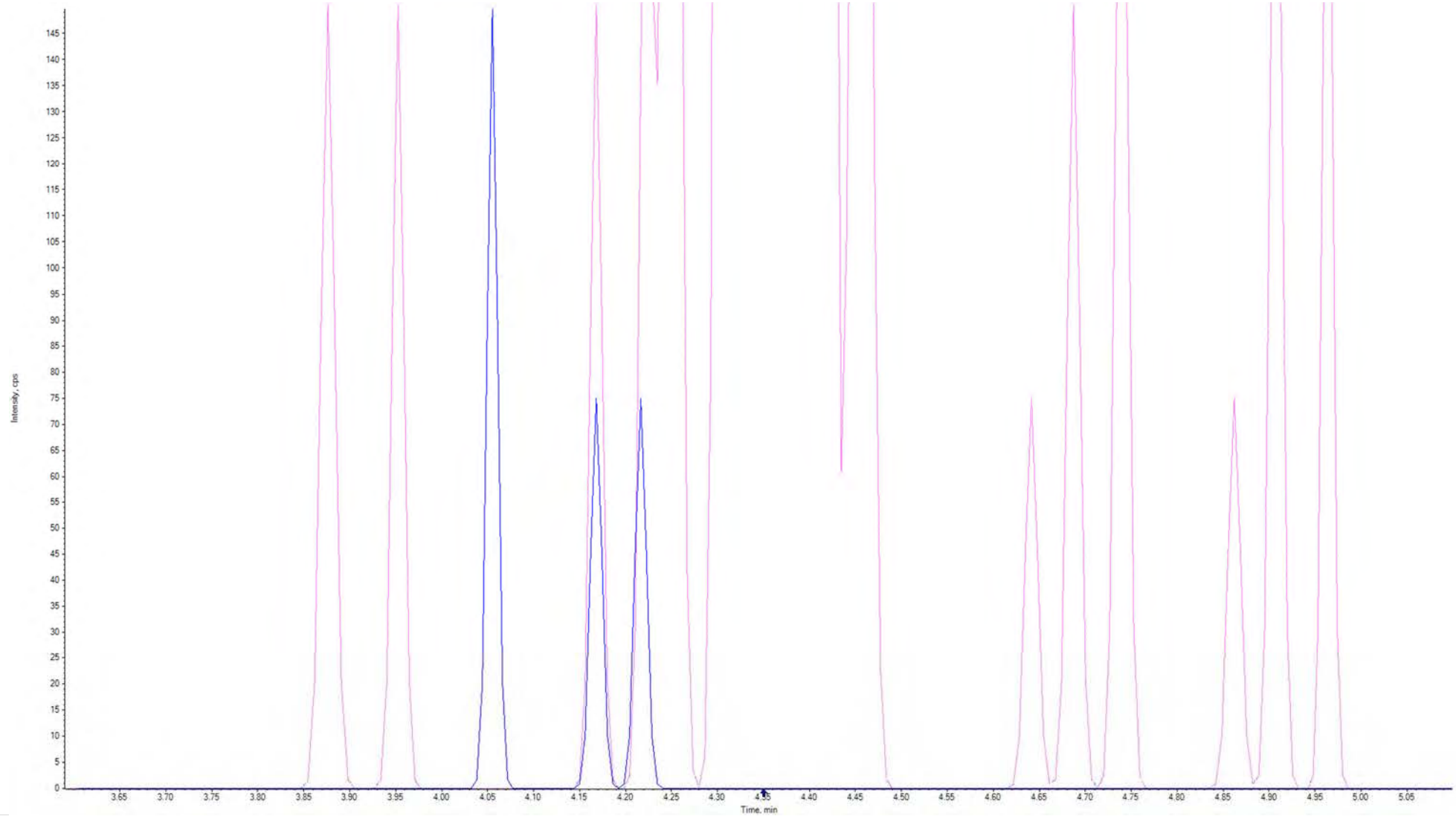

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NEtFOSAA_2
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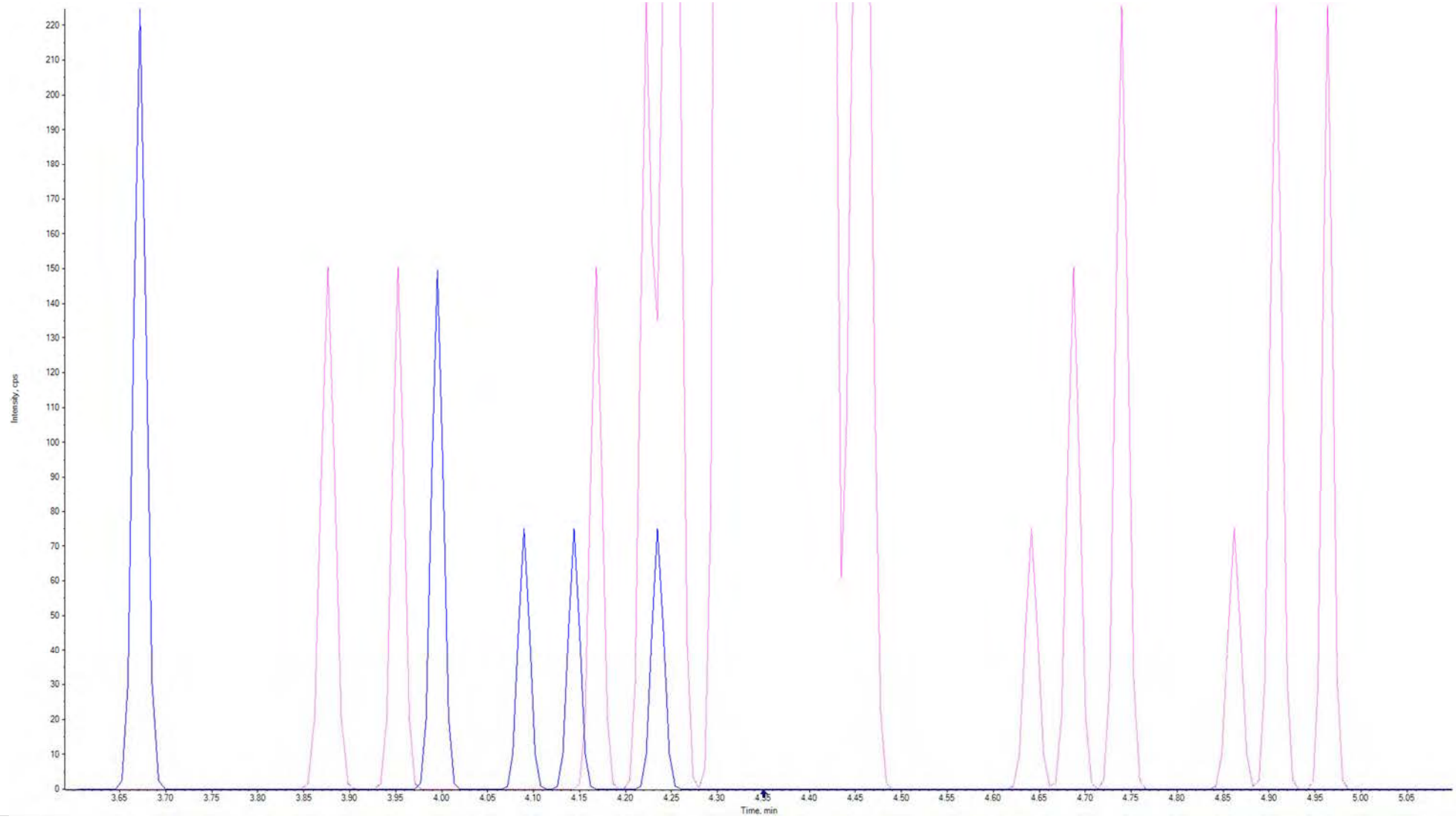

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NMeFOSE
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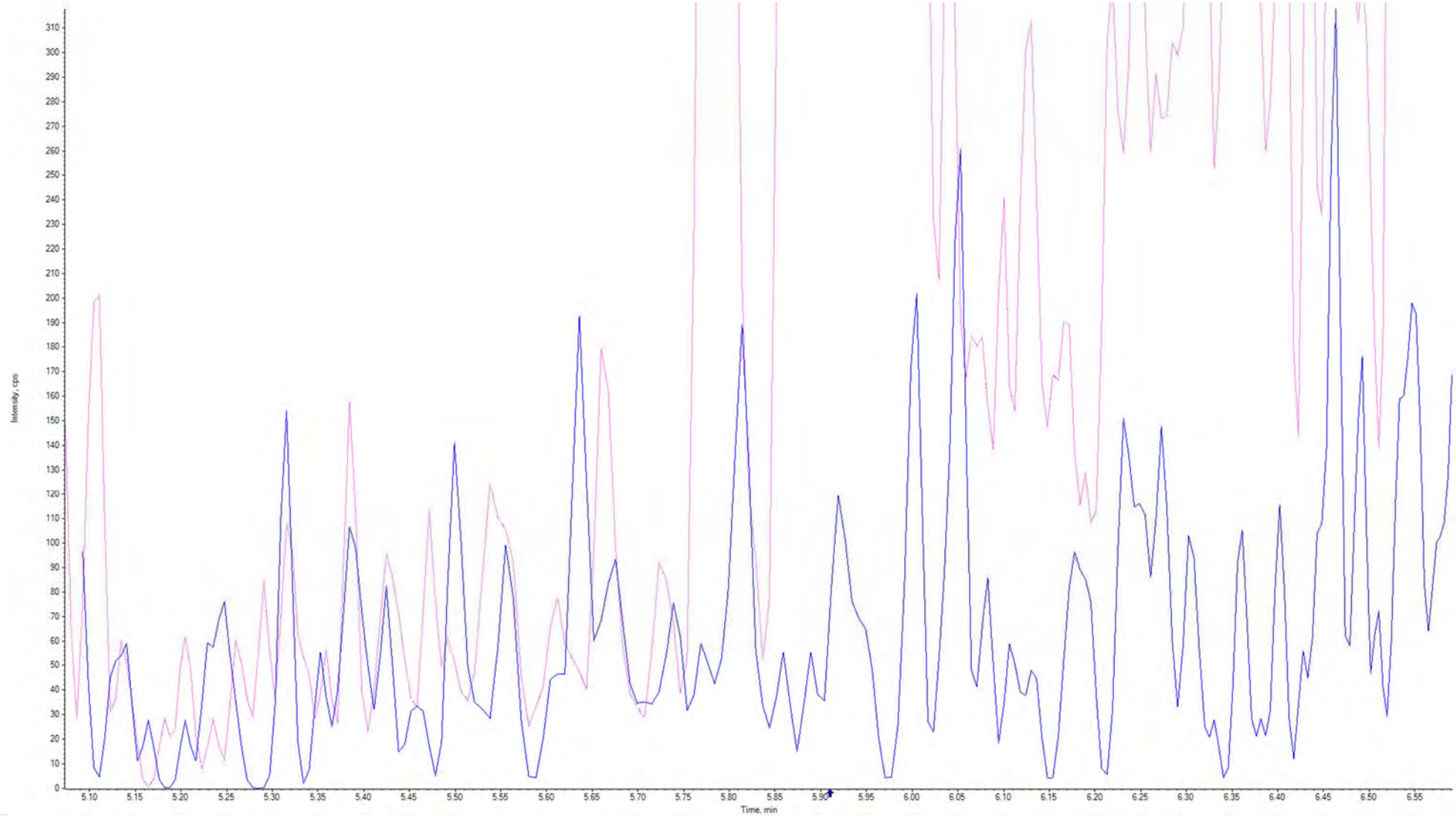

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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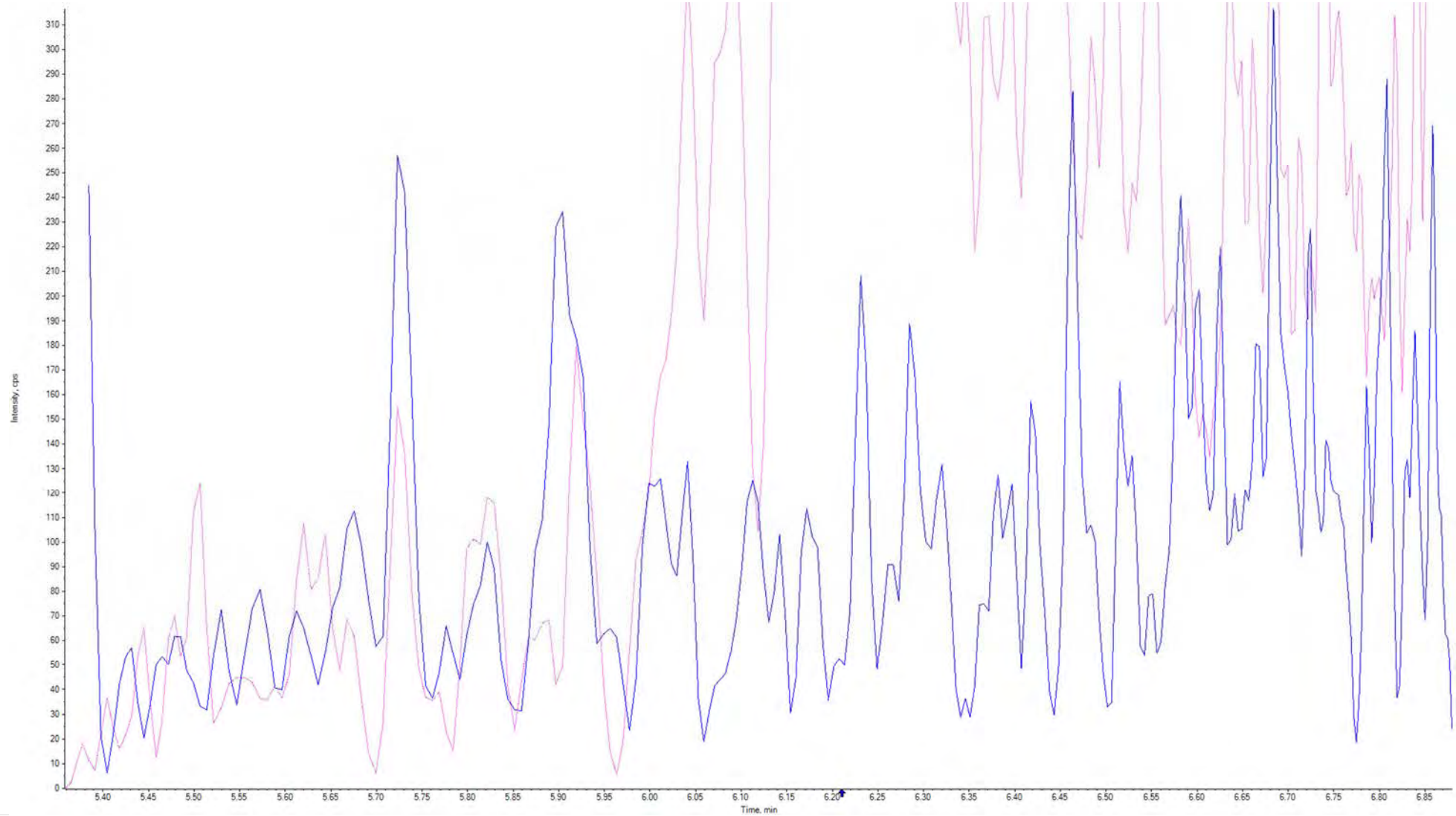
NEtFOSE
Sample: L2512368-21RE S/N:N/A Points Across peak:N/A



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Alpha Analytical LLC
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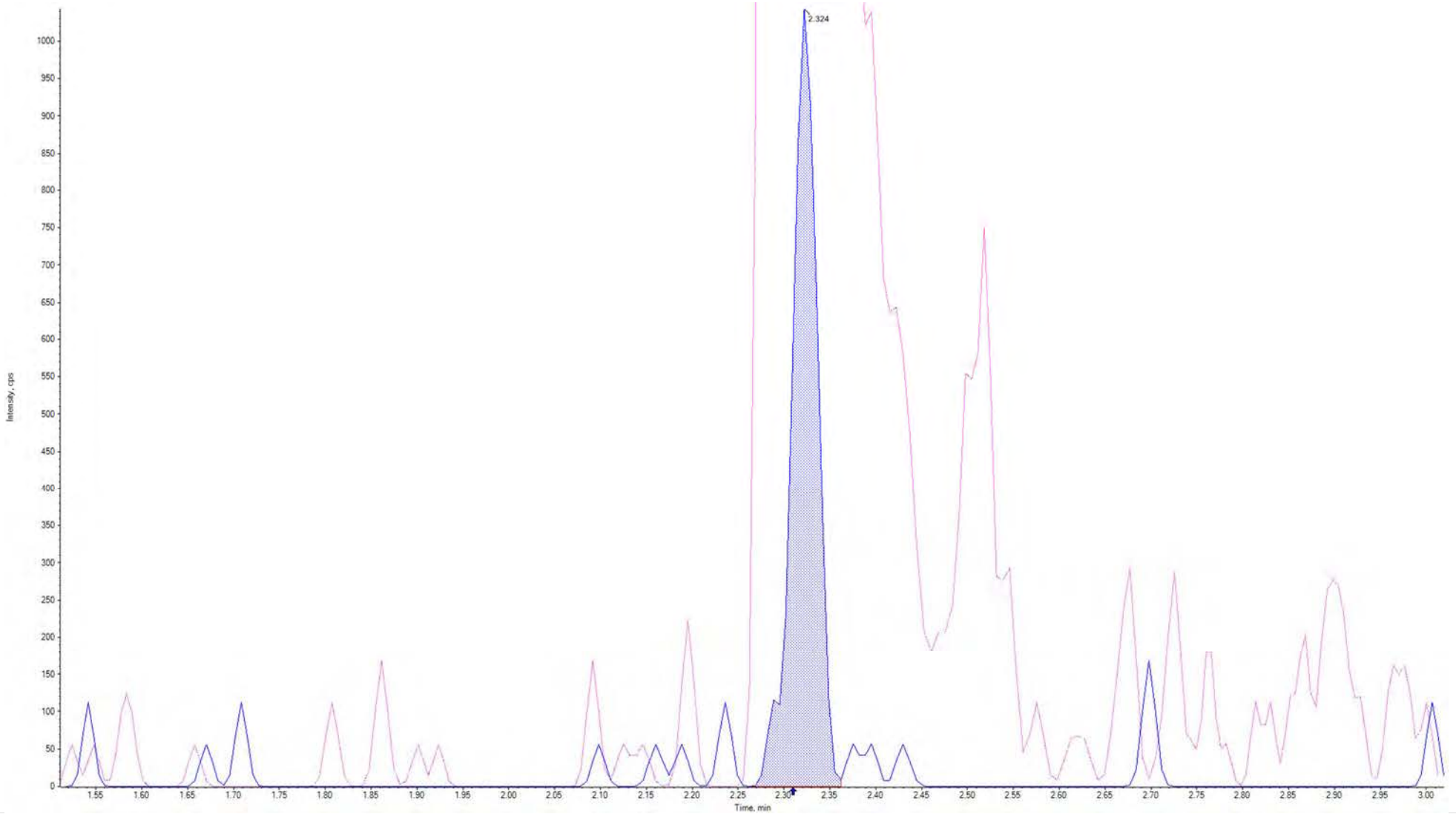
HFPO-DA
Sample: L2512368-21RE S/N:18.3 Points Across peak:16



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/18/2025 9:34:10 AM
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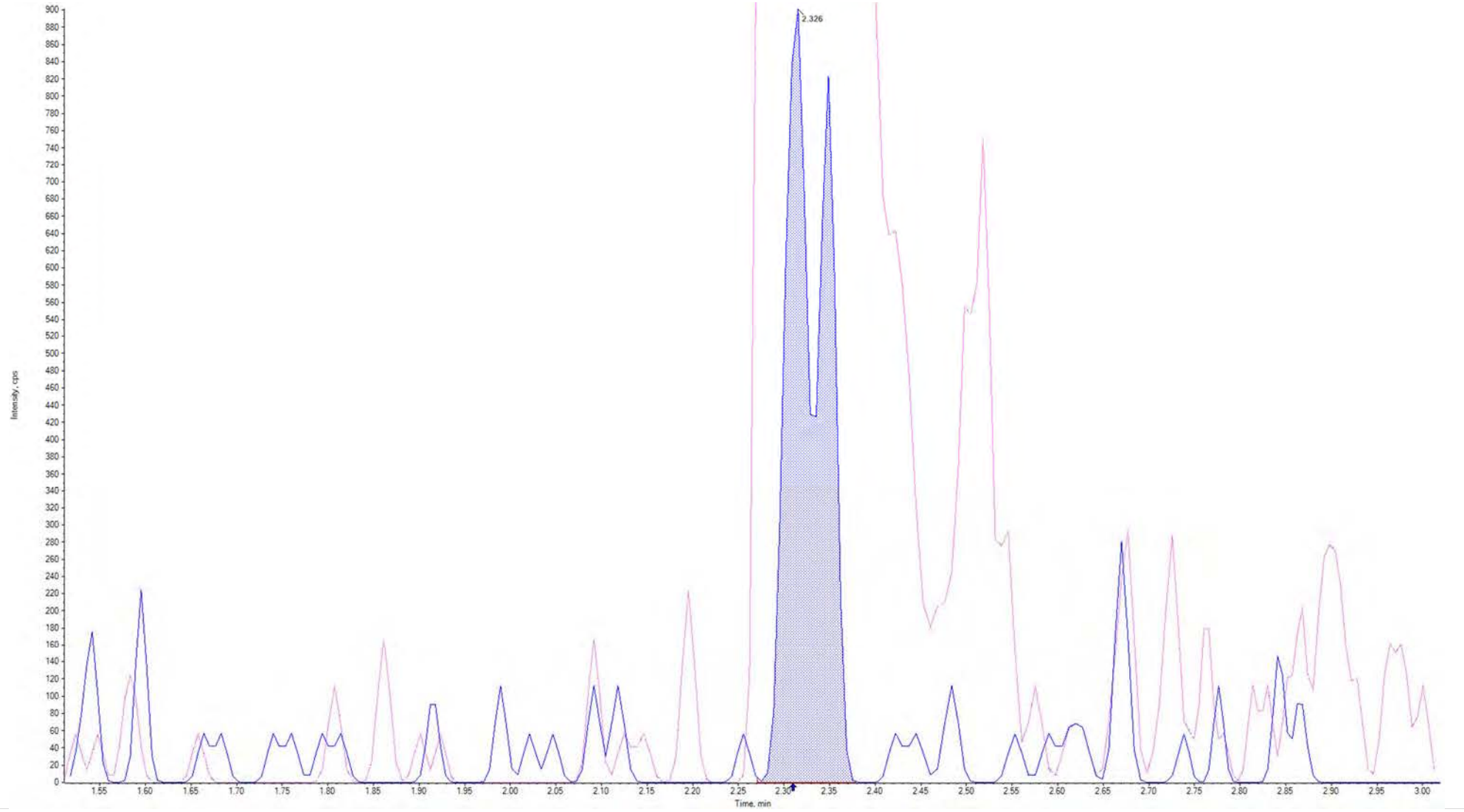
HFPO-DA_2
Sample: L2512368-21RE S/N:15.8 Points Across peak:18



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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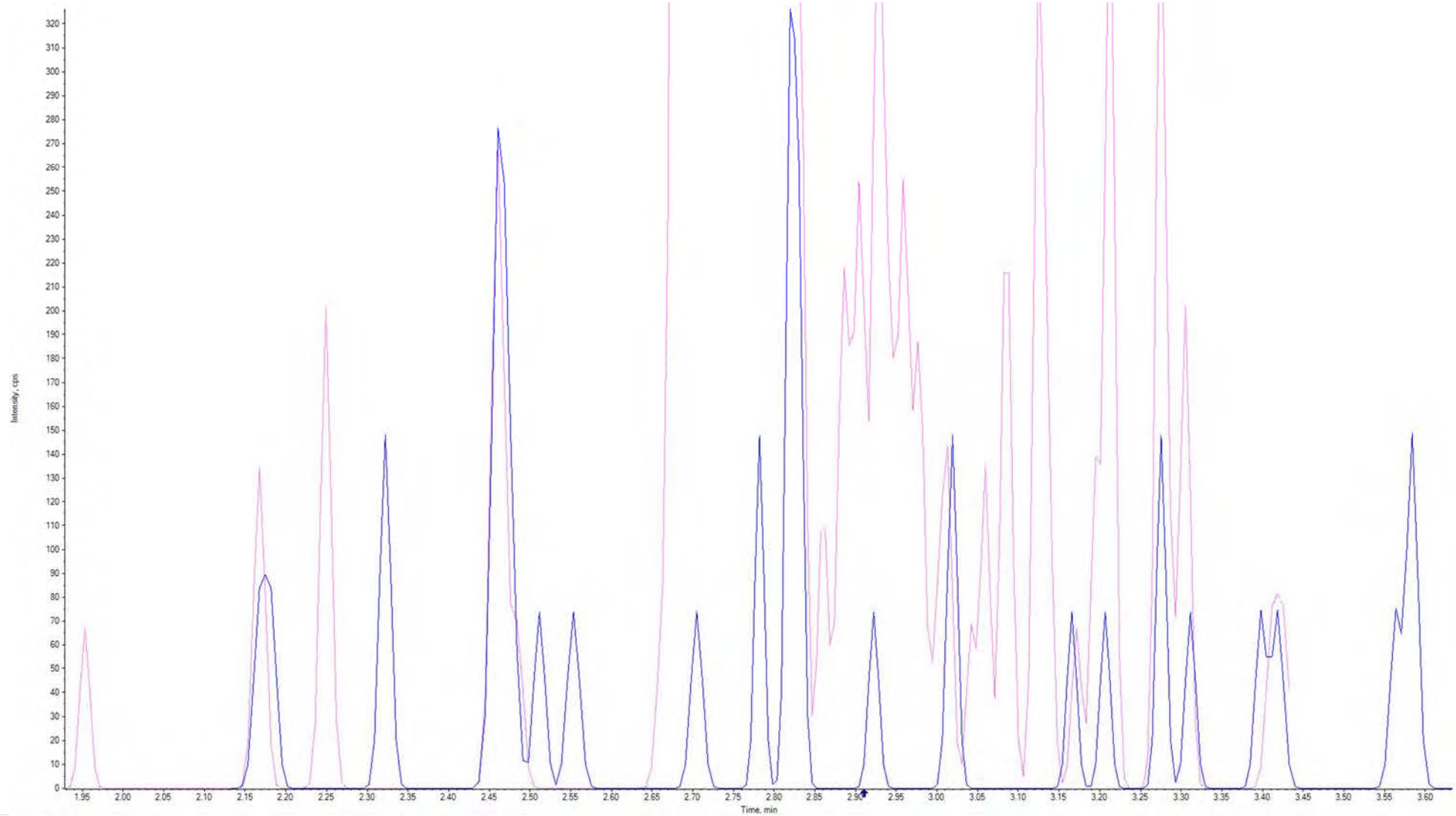
Generated: 3/17/2025 4:15:11 PM

ADONA
Sample: L2512368-21RE 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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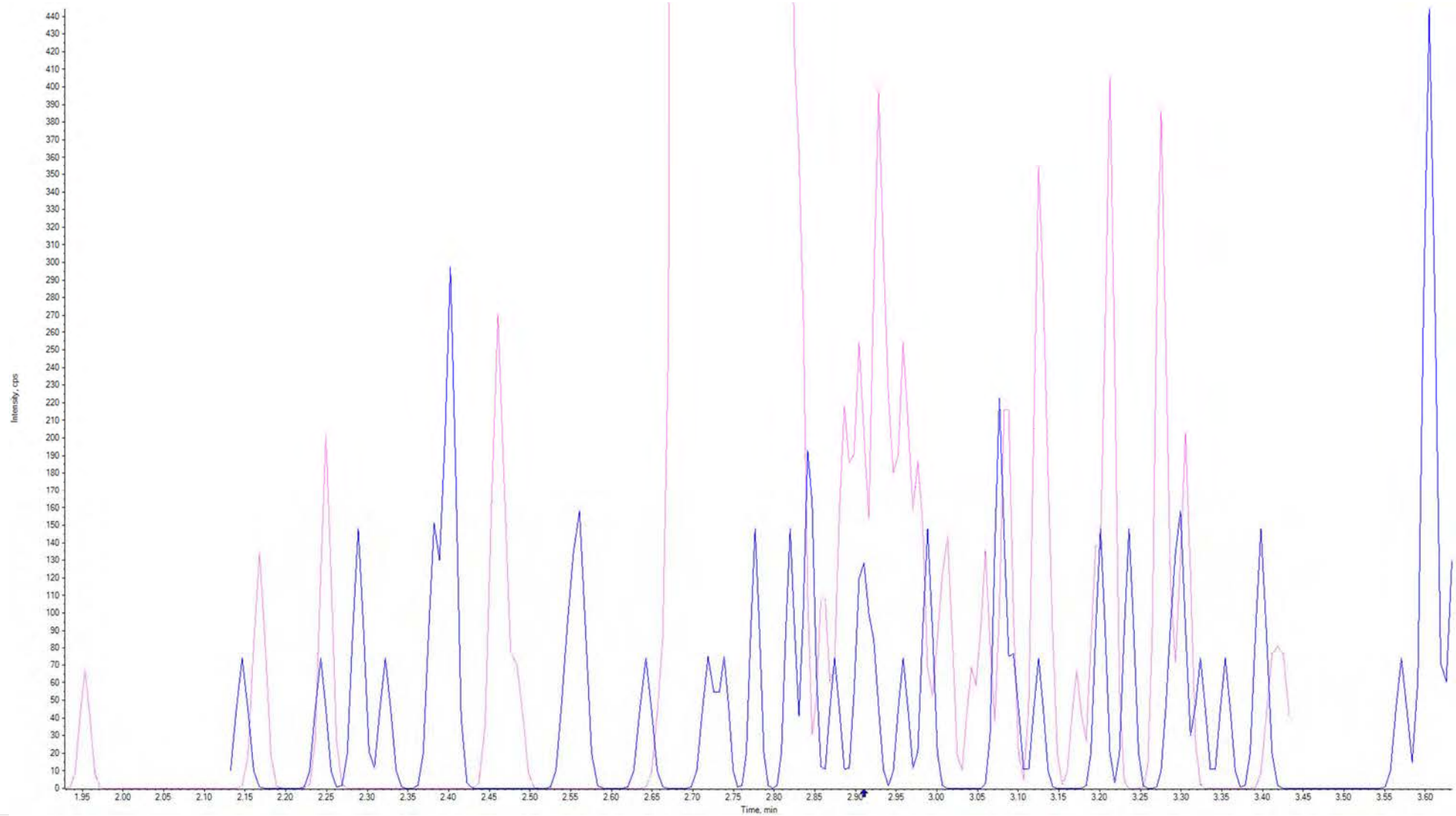
Last Altered: 3/18/2025 9:34:10 AM
Generated: 3/17/2025 4:15:11 PM

ADONA_2
Sample: L2512368-21RE 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
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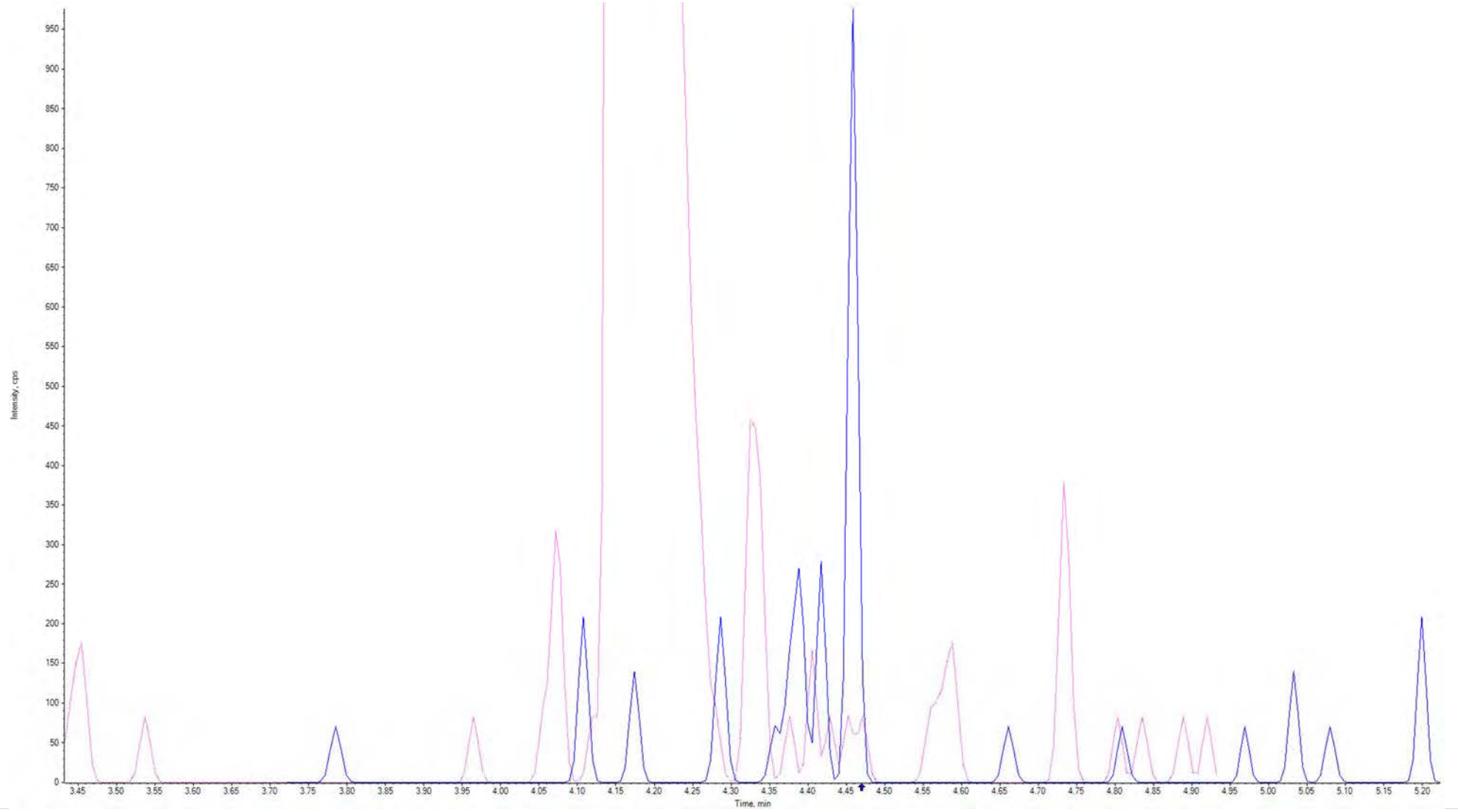

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9Cl-PF3ONS_2
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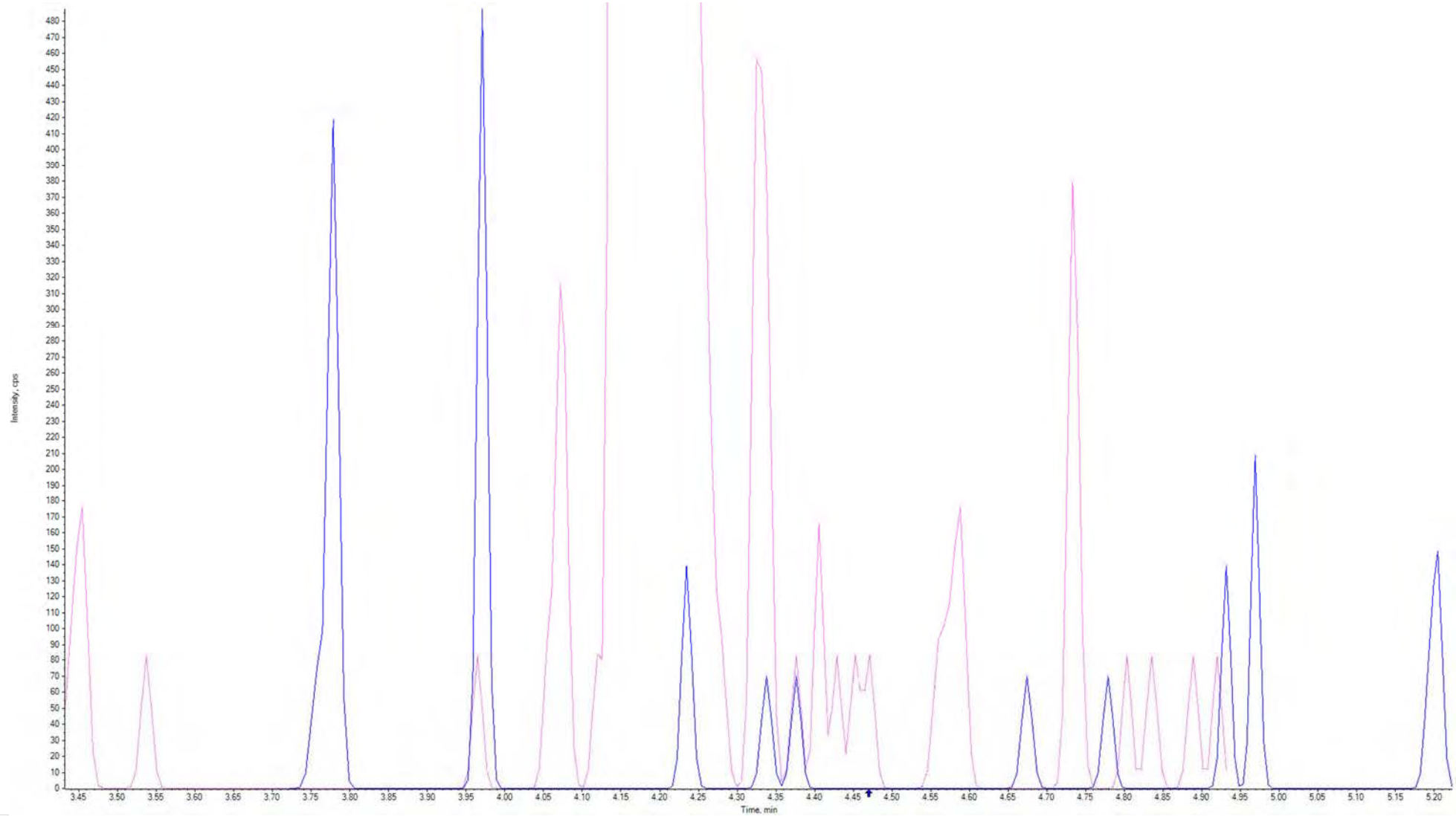

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11Cl-PF3OUdS
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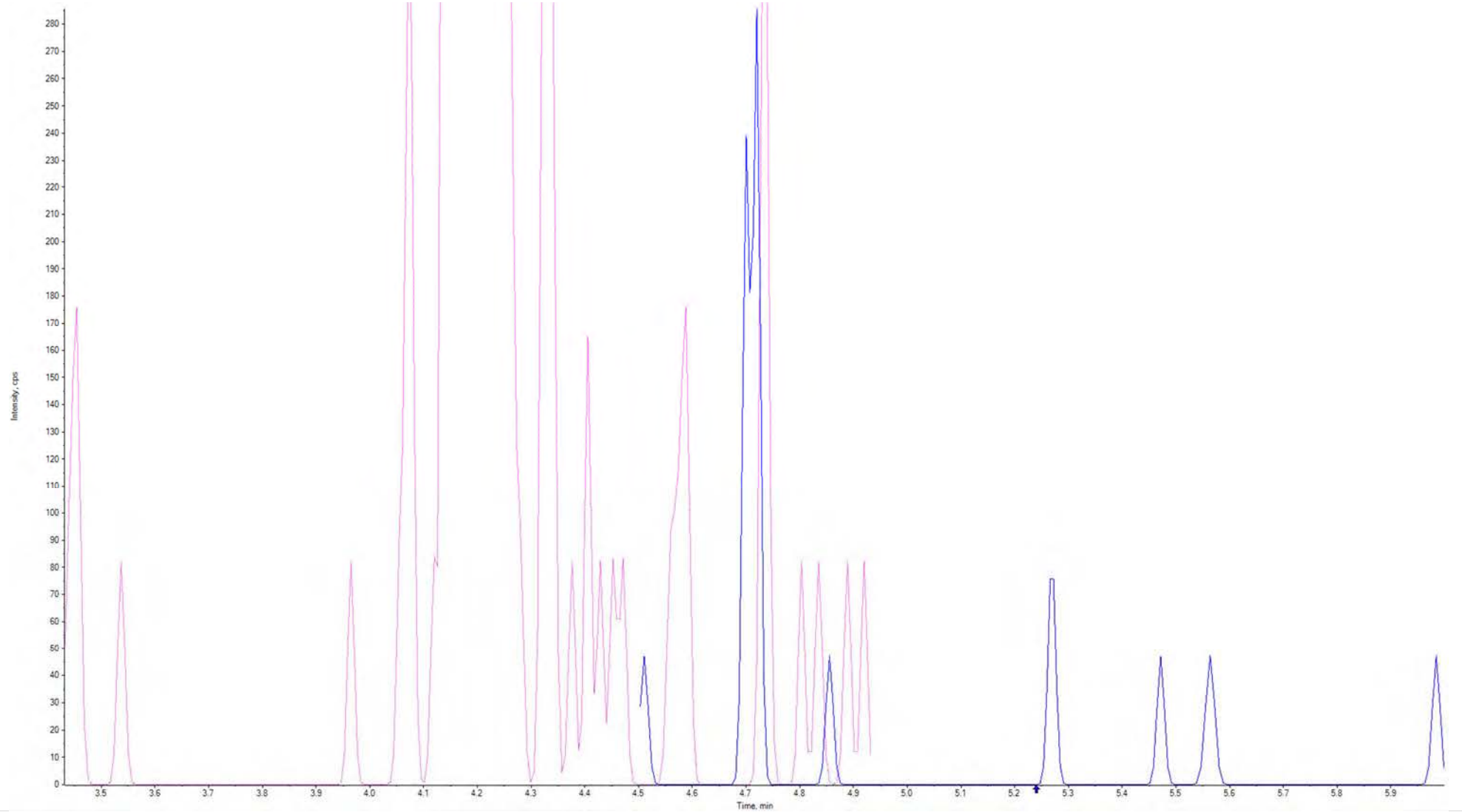

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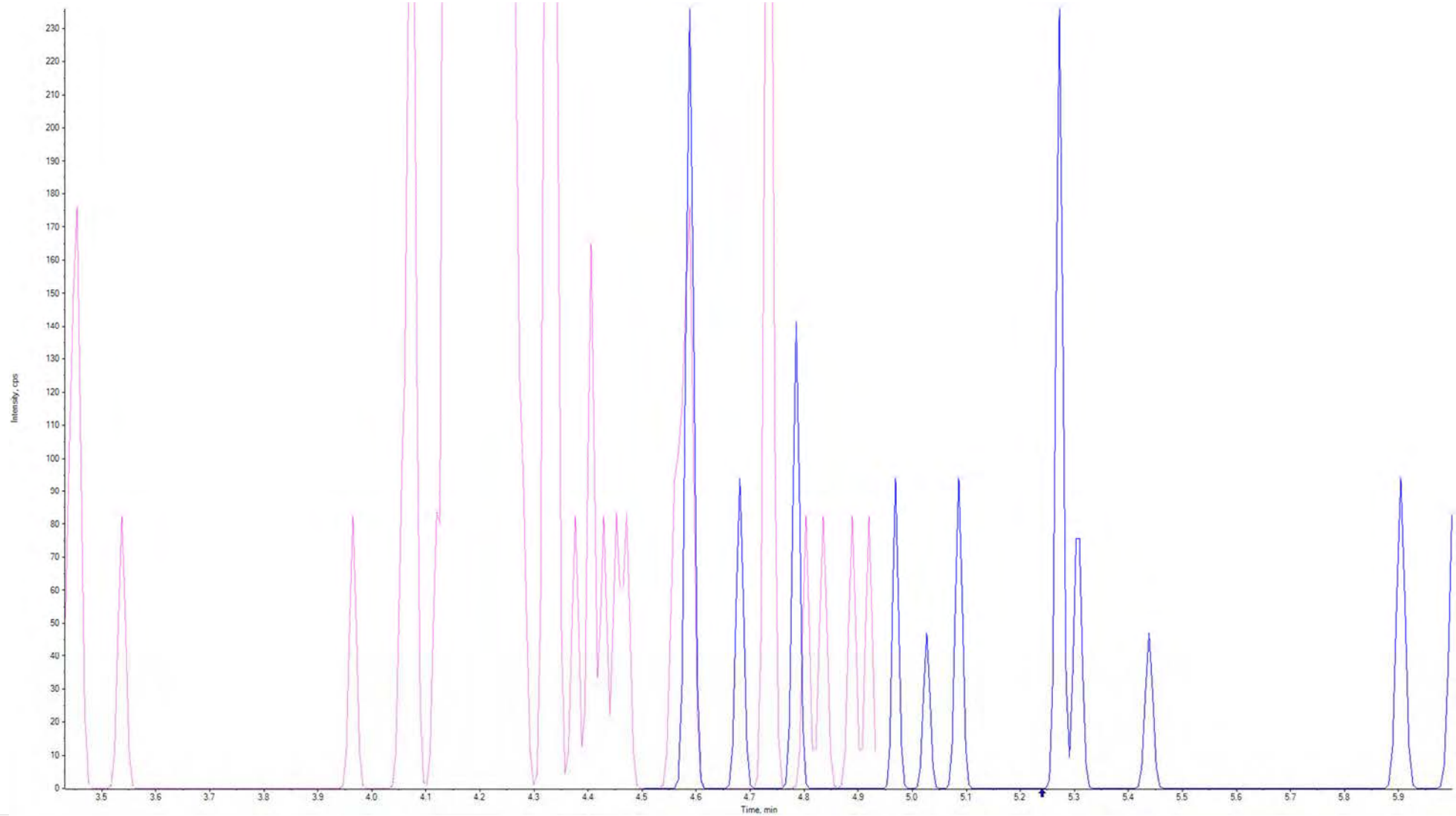
11Cl-PF3OUdS_2
Sample: L2512368-21RE S/N:N/A Points Across peak:N/A



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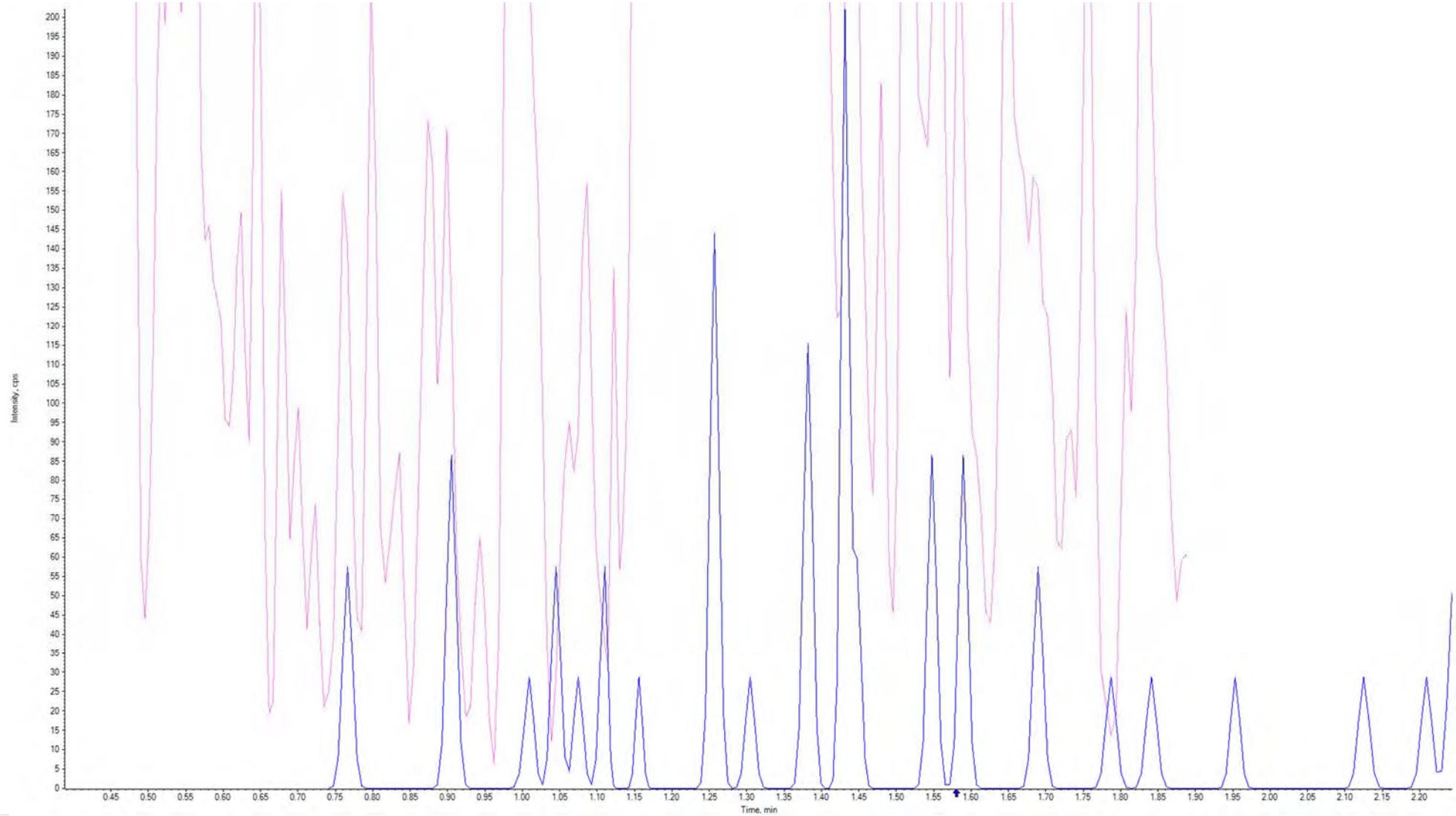
3:3FTCA
Sample: L2512368-21RE S/N:N/A Points Across peak:N/A



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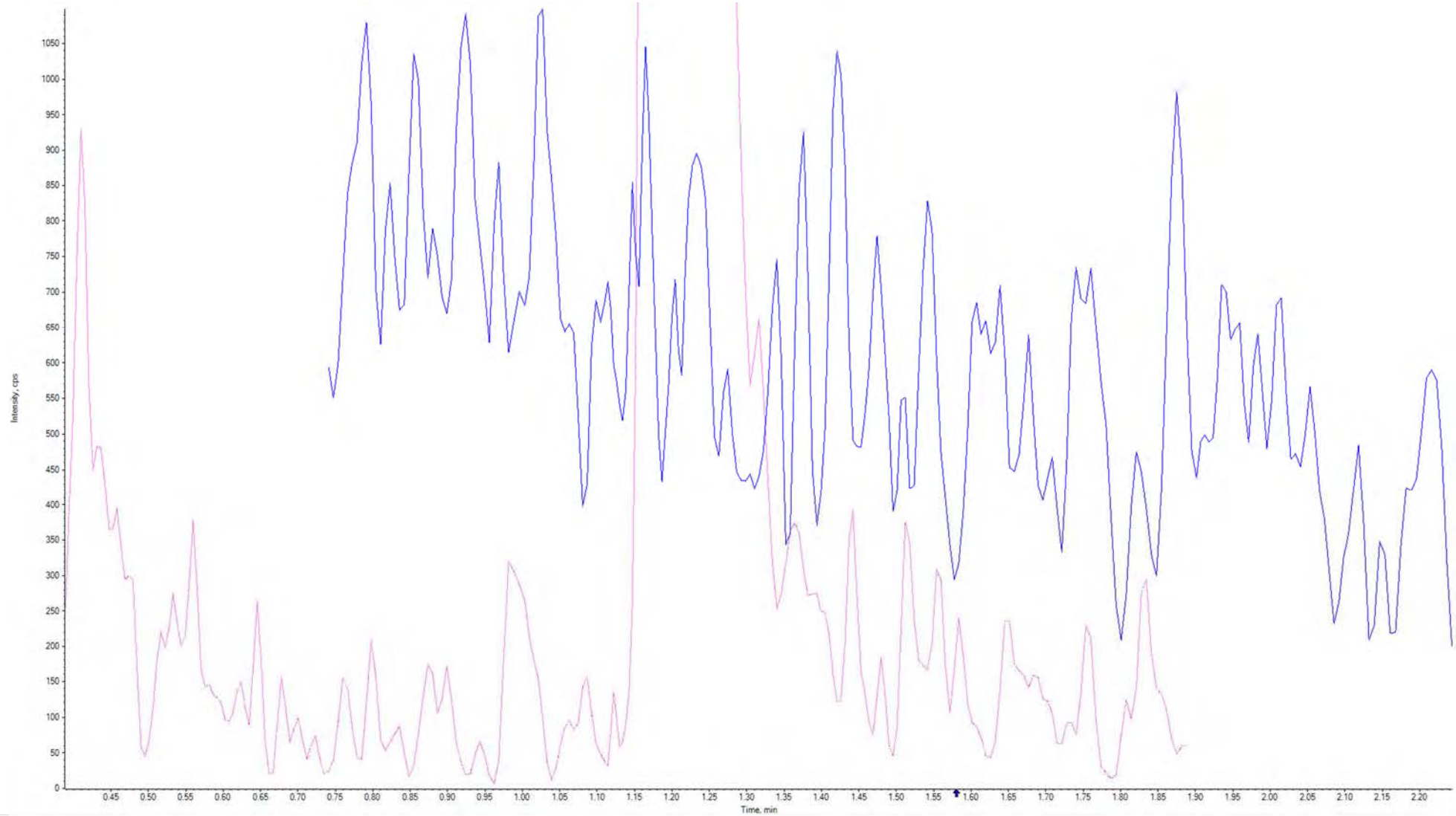

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5:3FTCA
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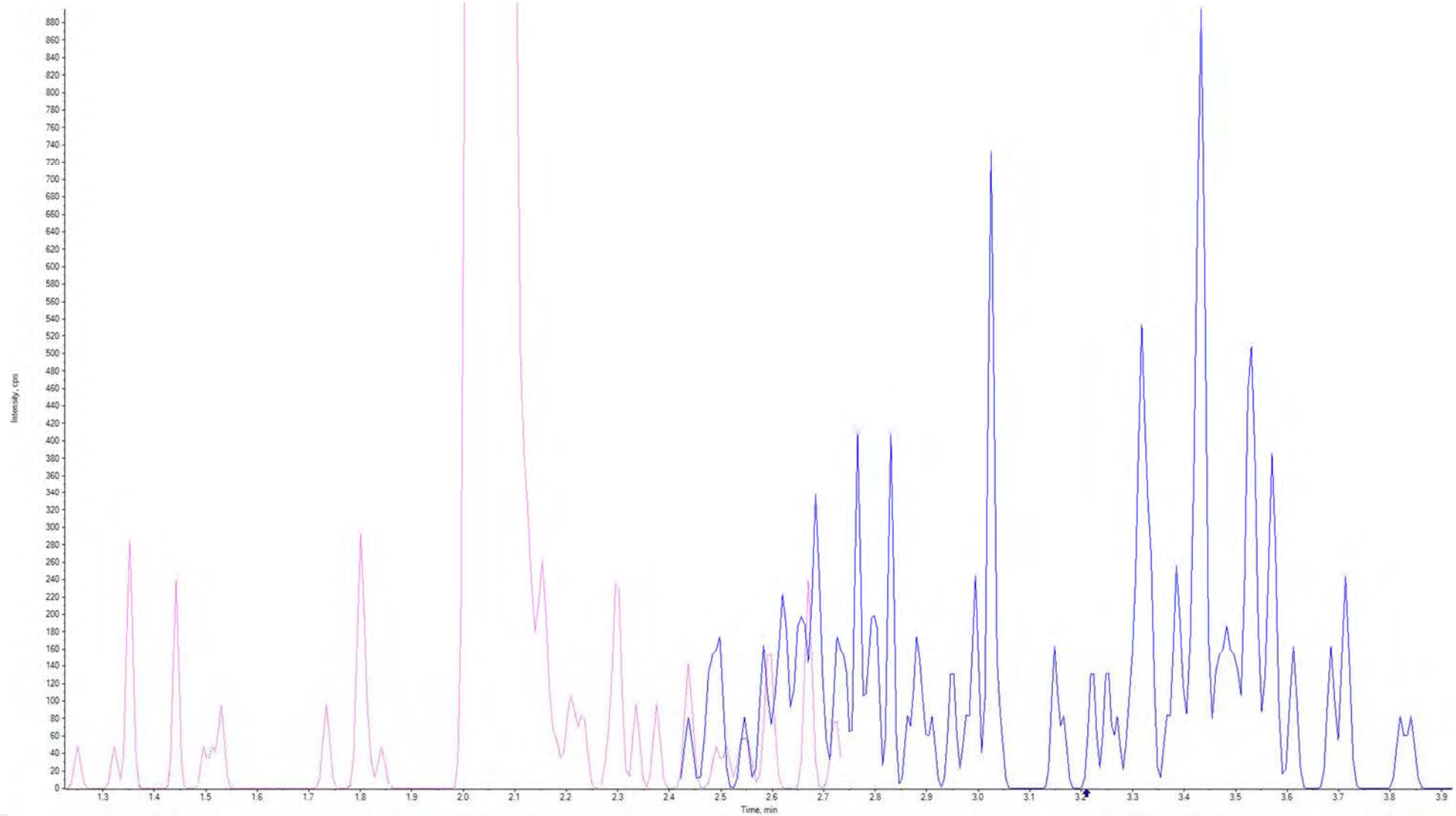

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5:3FTCA_2
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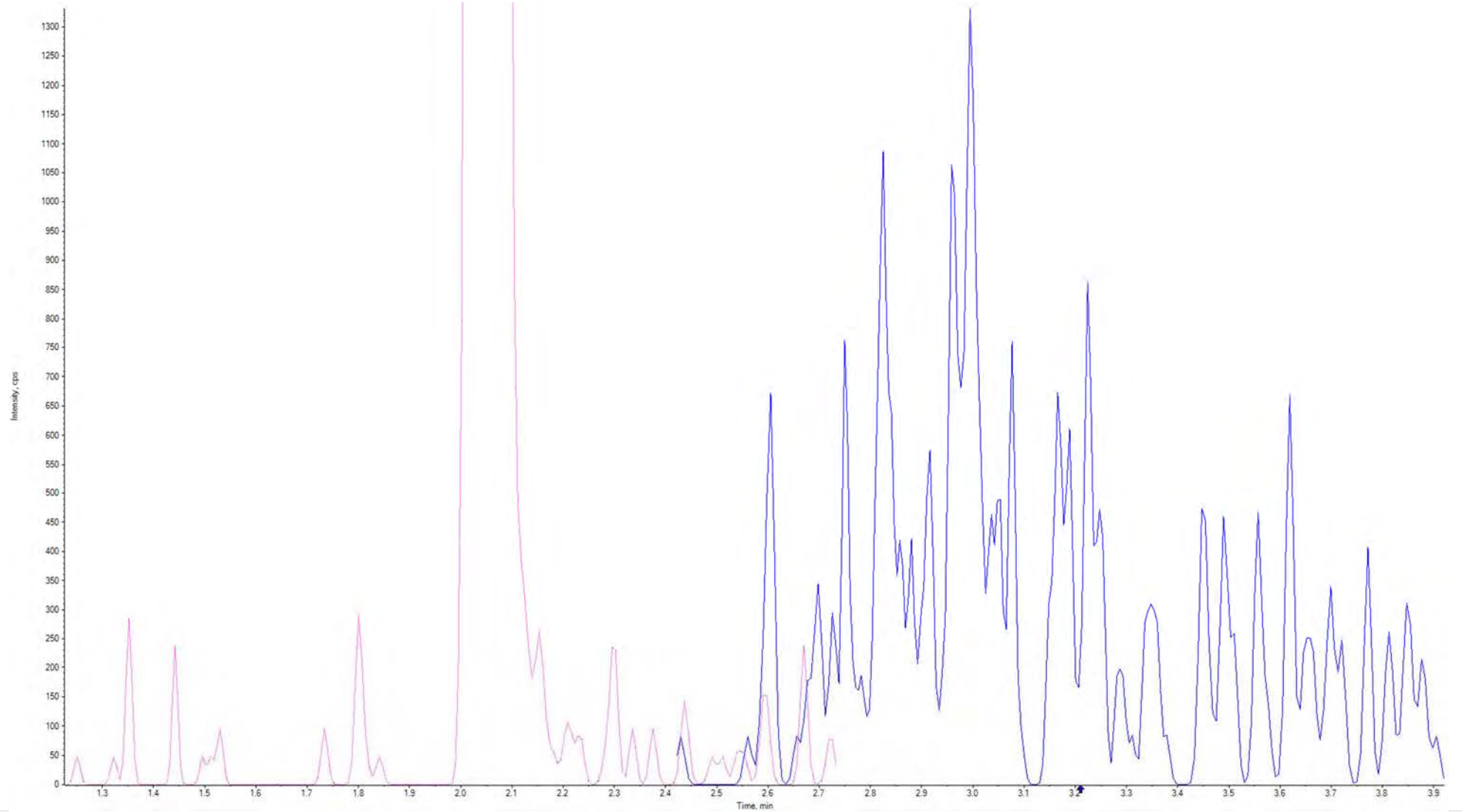

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7:3FTCA
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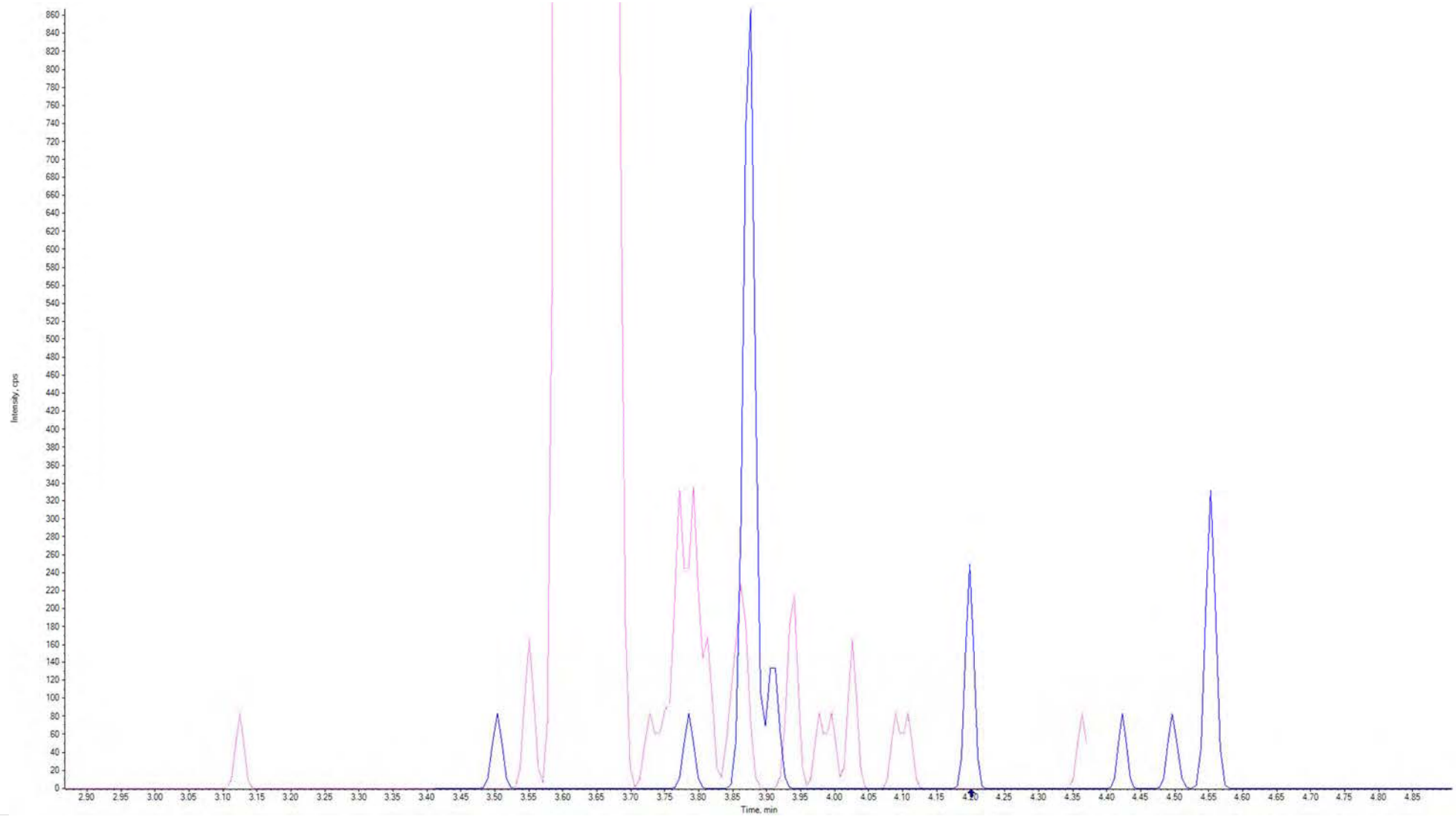

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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7:3FTCA_2
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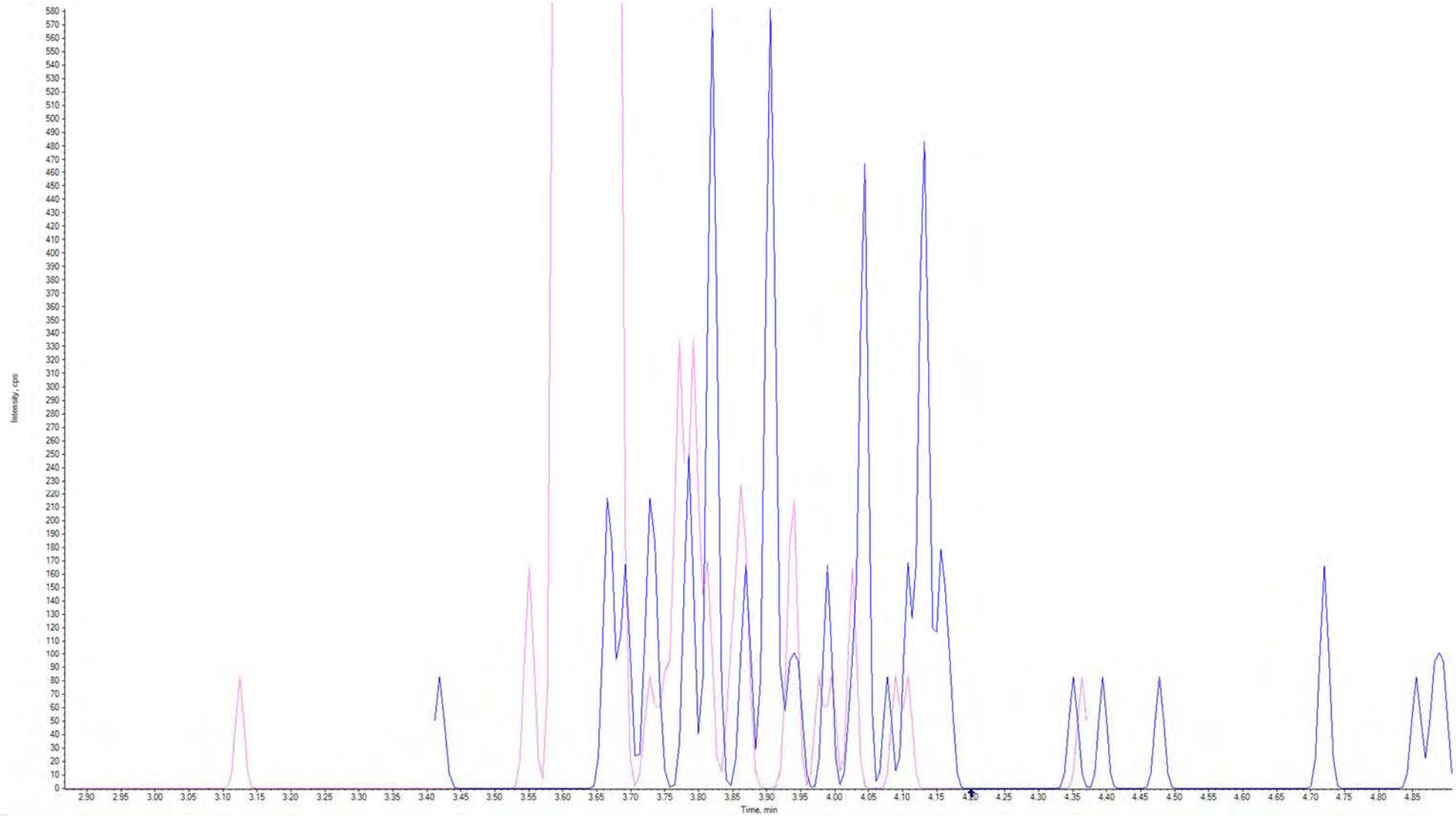

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PFEESA
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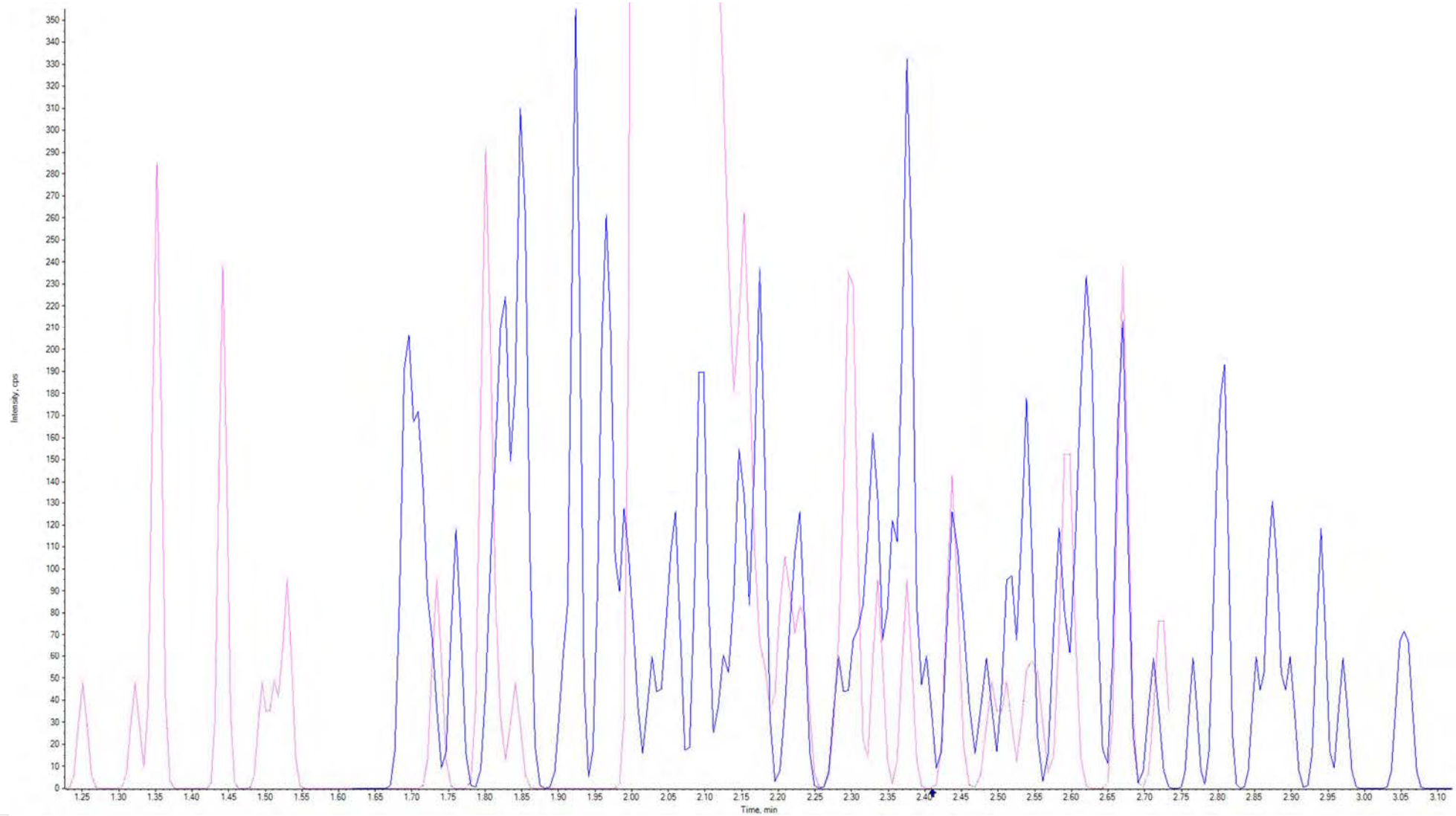

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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PFEESA_2
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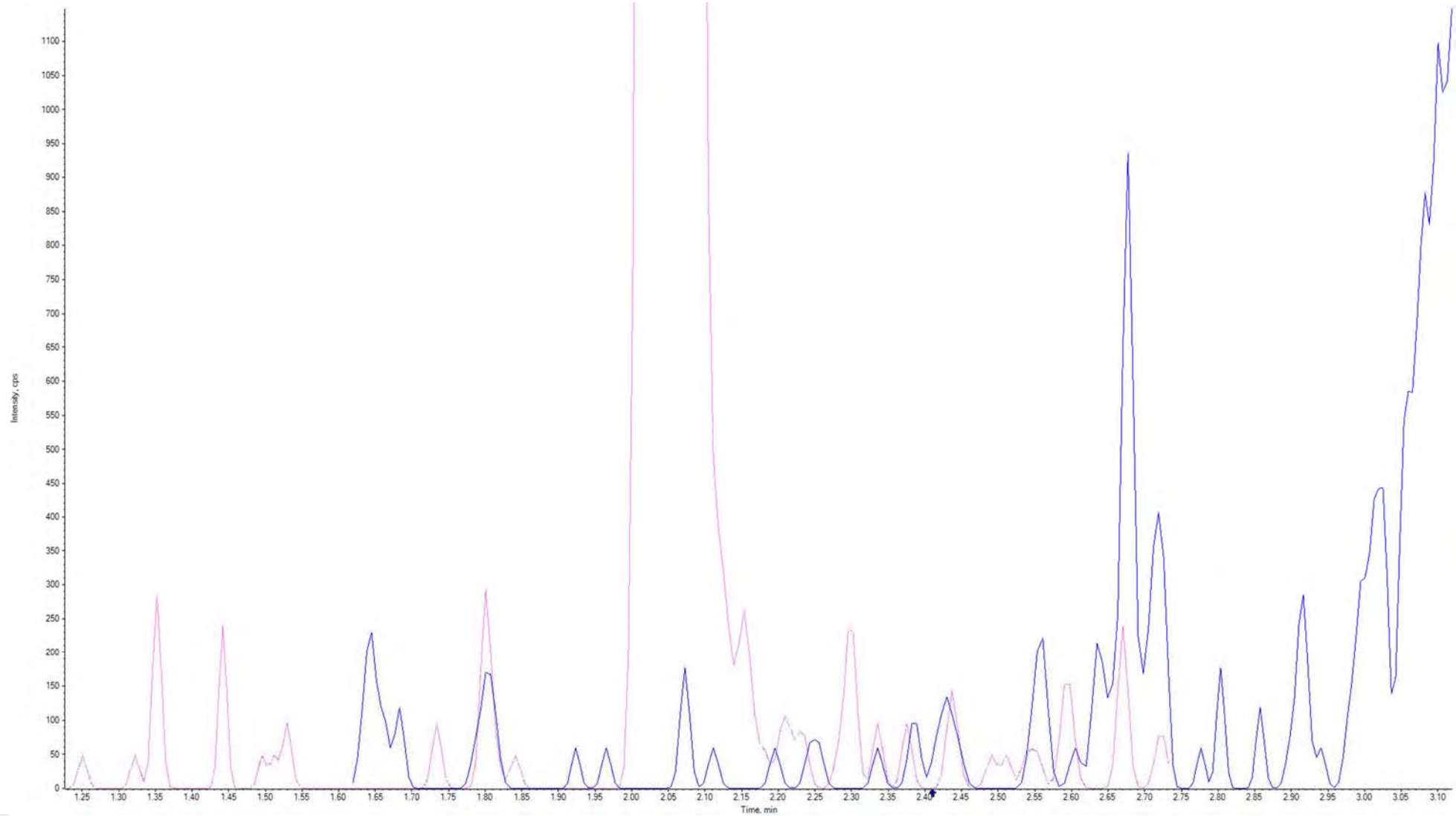

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PFMPA
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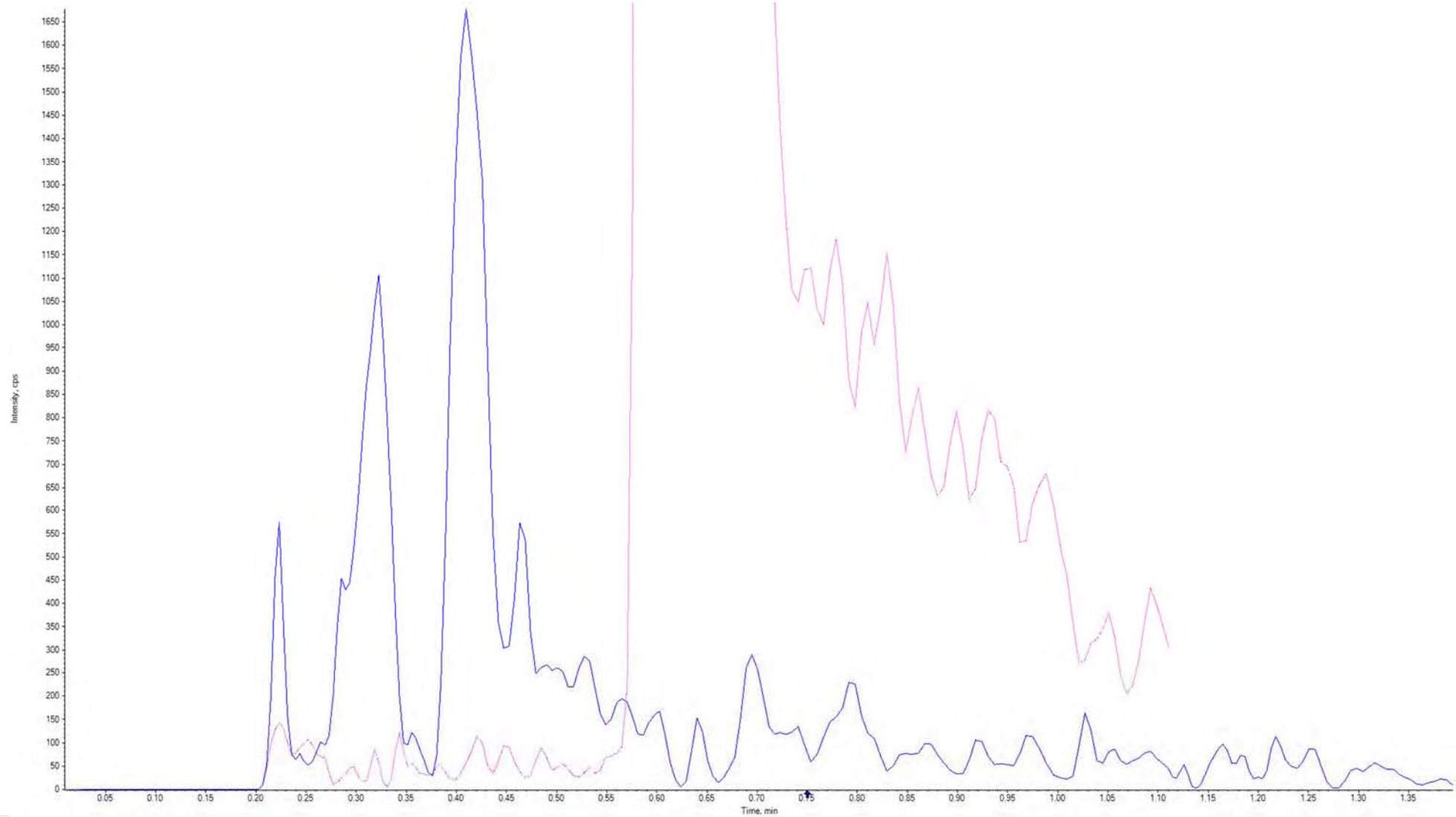

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PFMBA
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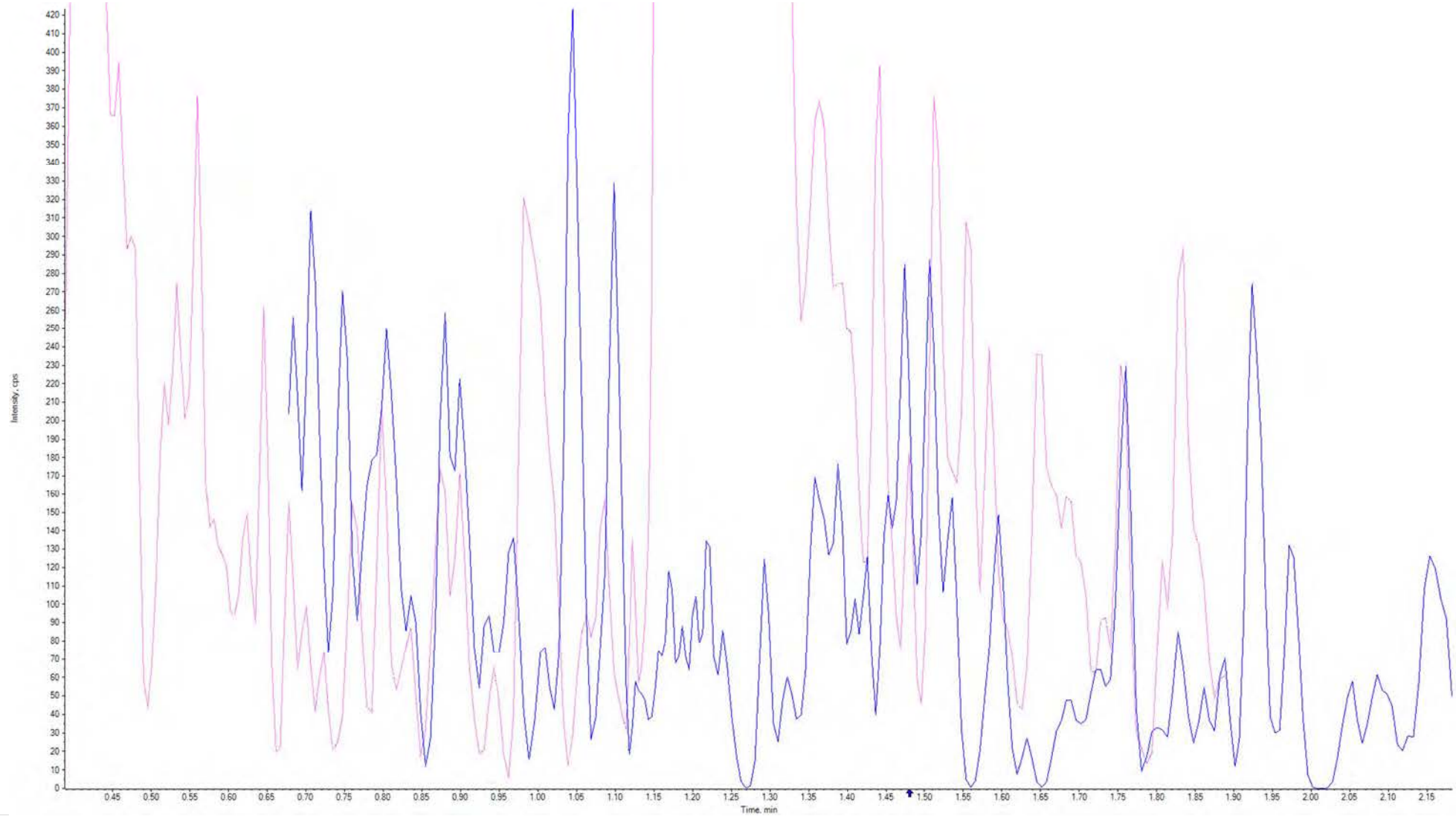

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NFDHA
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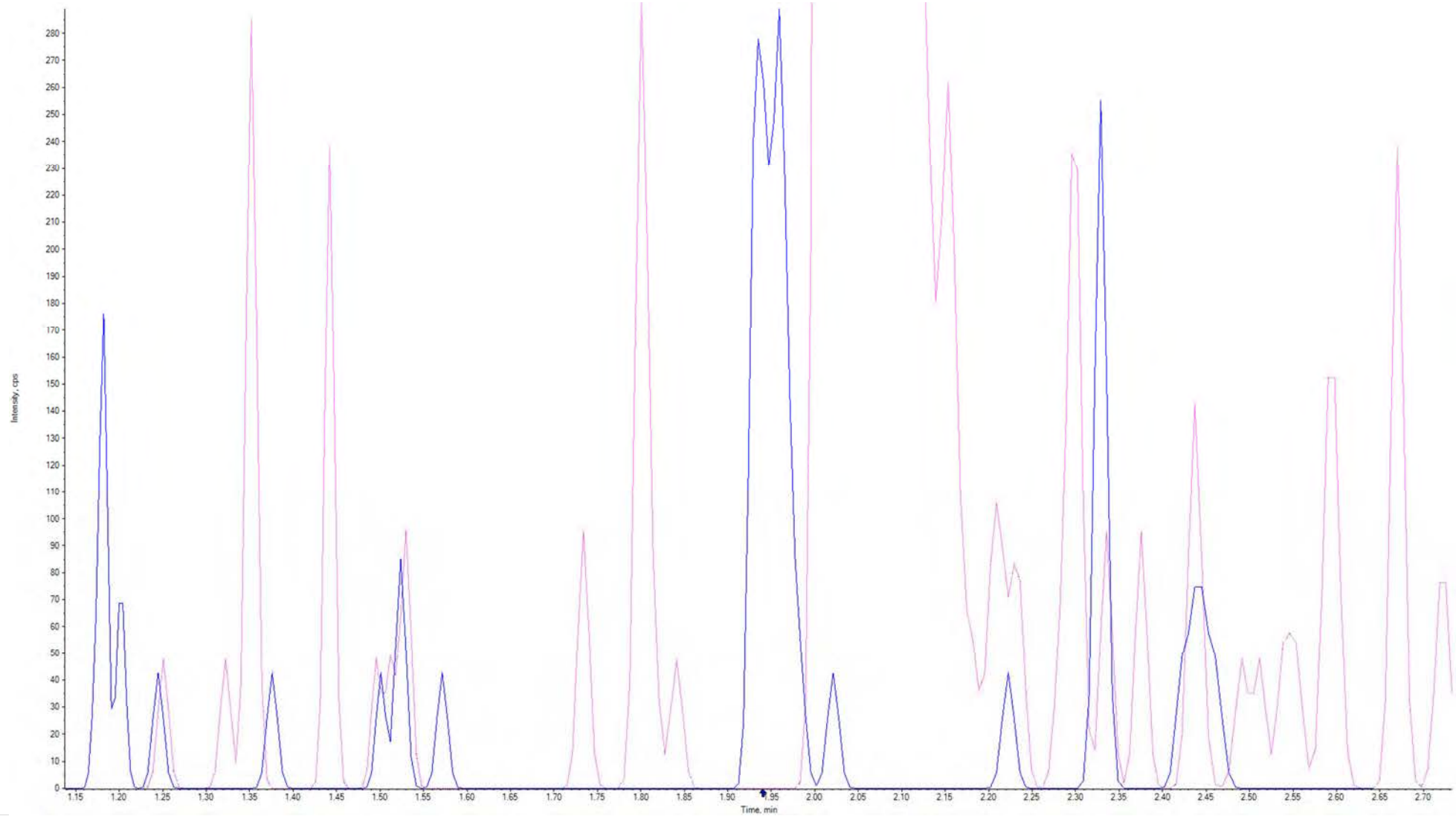

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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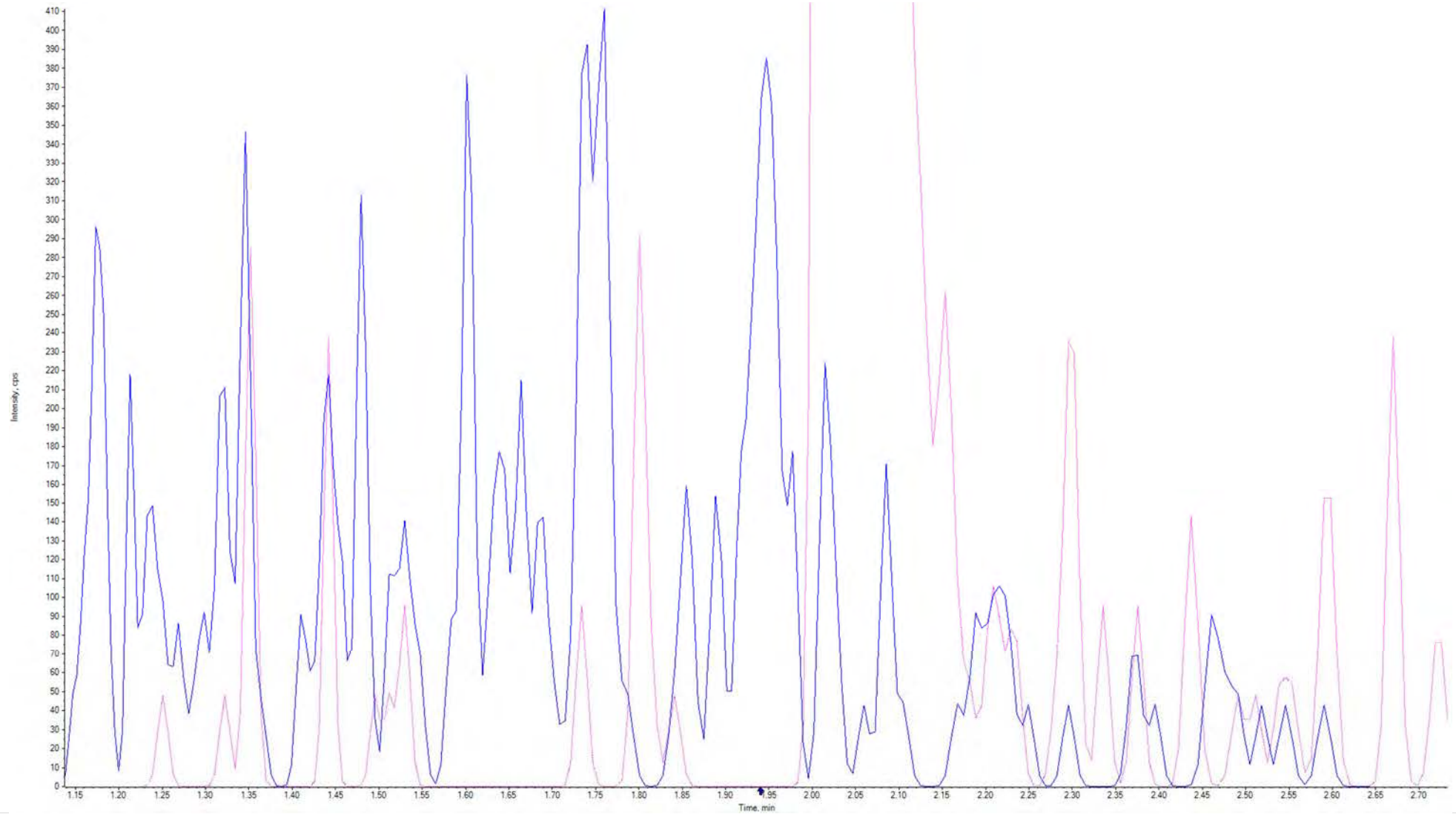
NFDHA_2
Sample: L2512368-21RE S/N:N/A Points Across peak:N/A



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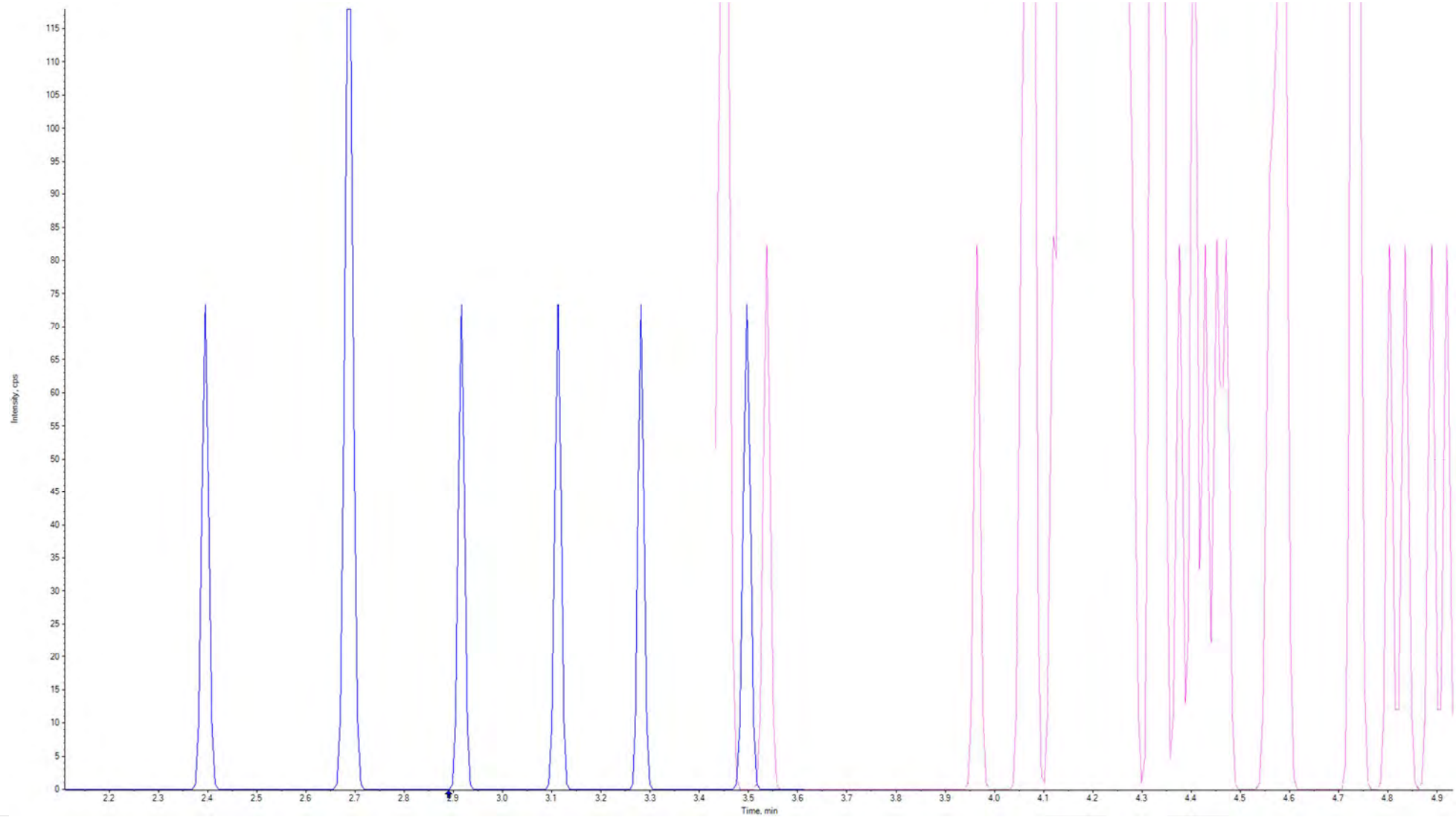
TDCA
Sample: L2512368-21RE S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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TDCA_2
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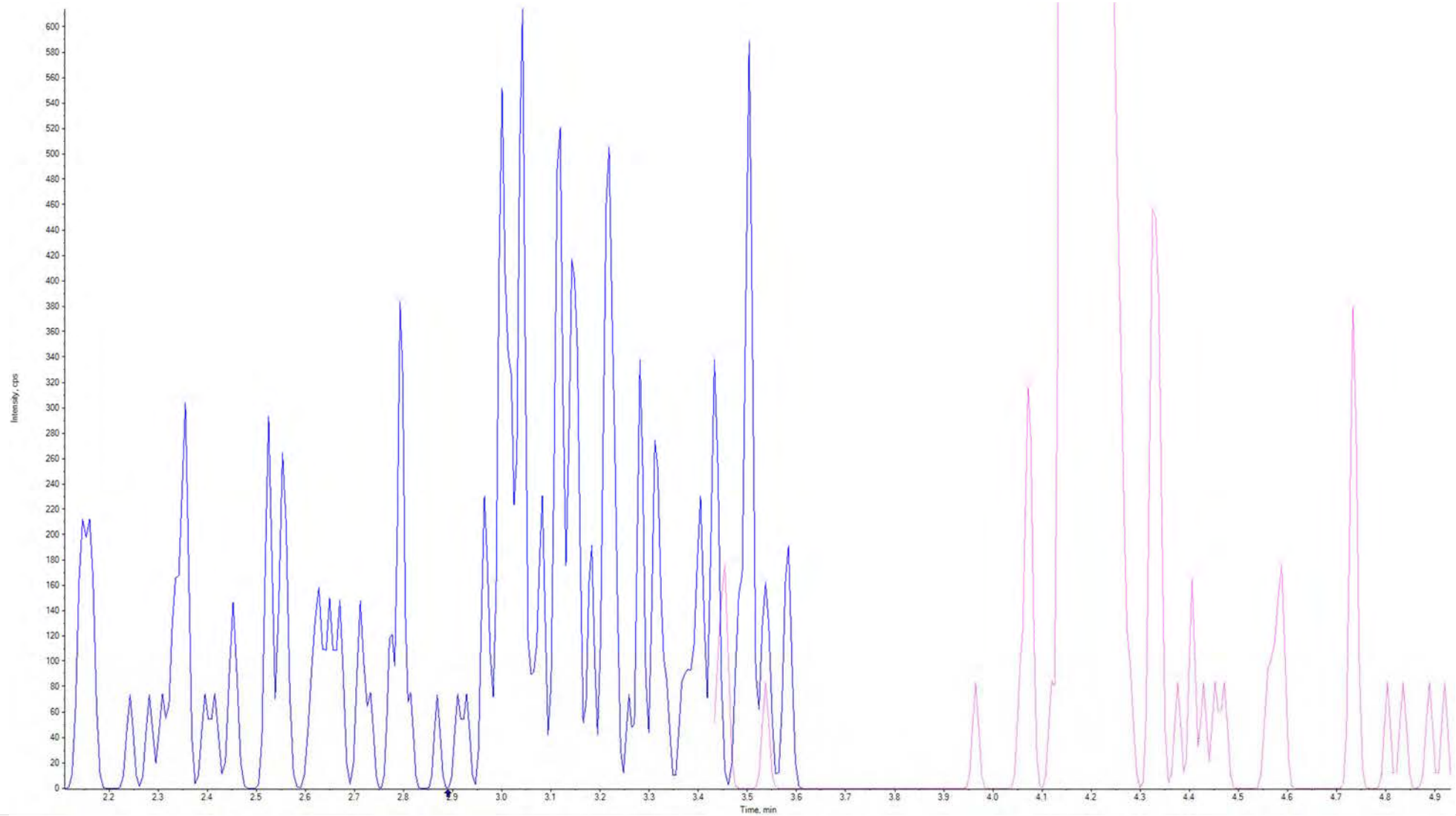

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Last Altered: 3/18/2025 9:34:10 AM
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13C2D4-4:2FTS
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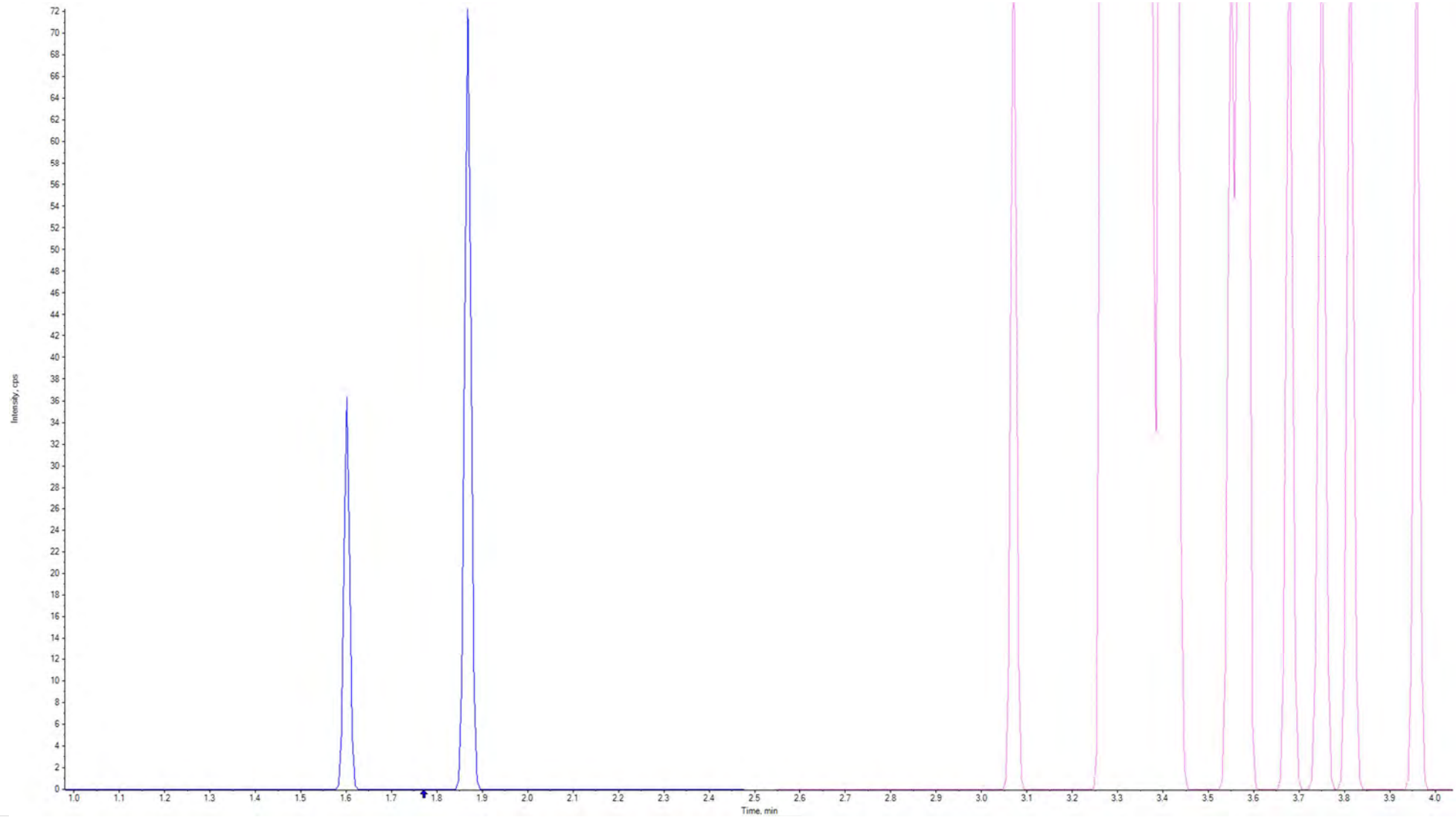

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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13C2-PFOA
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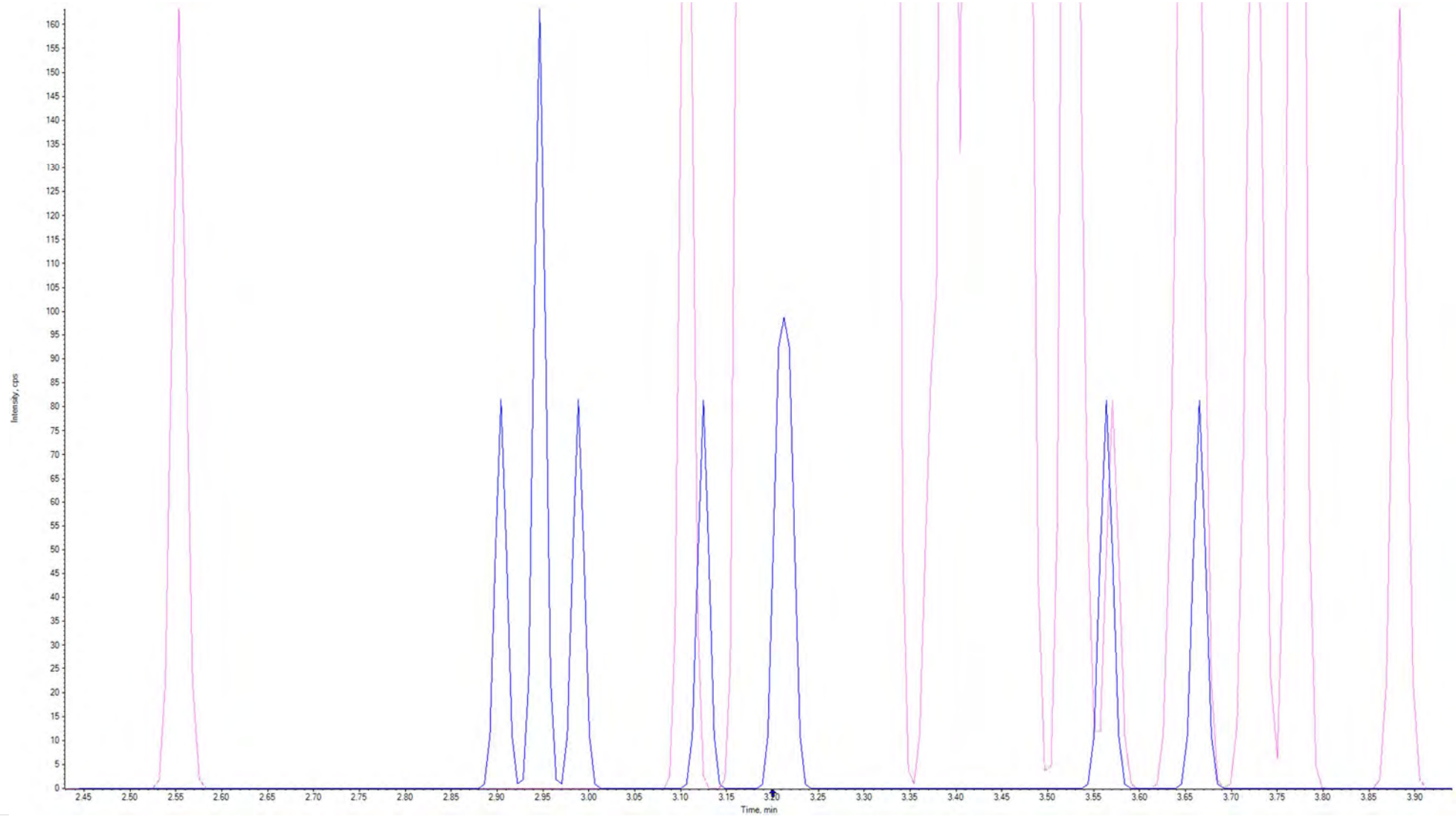
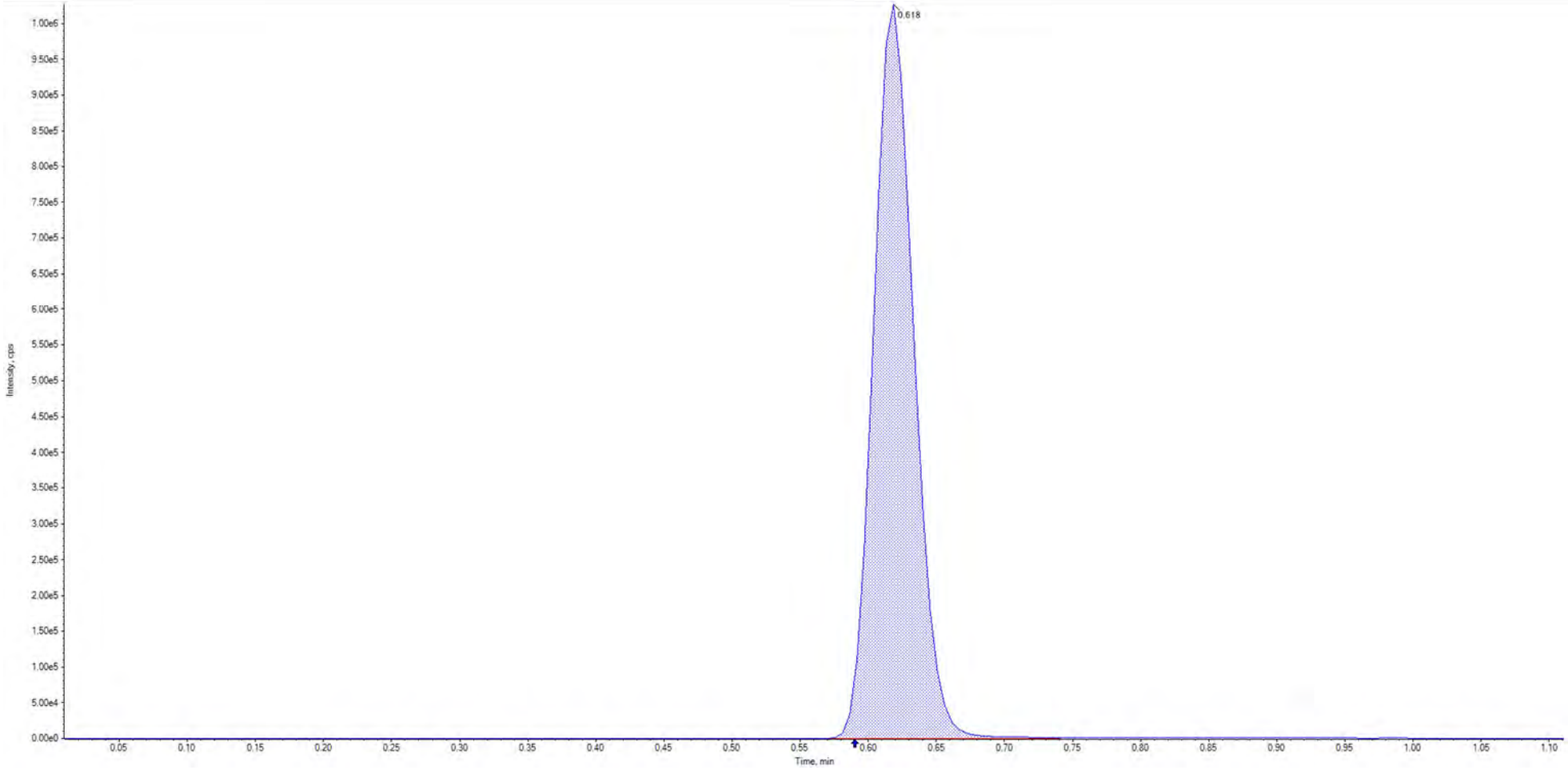
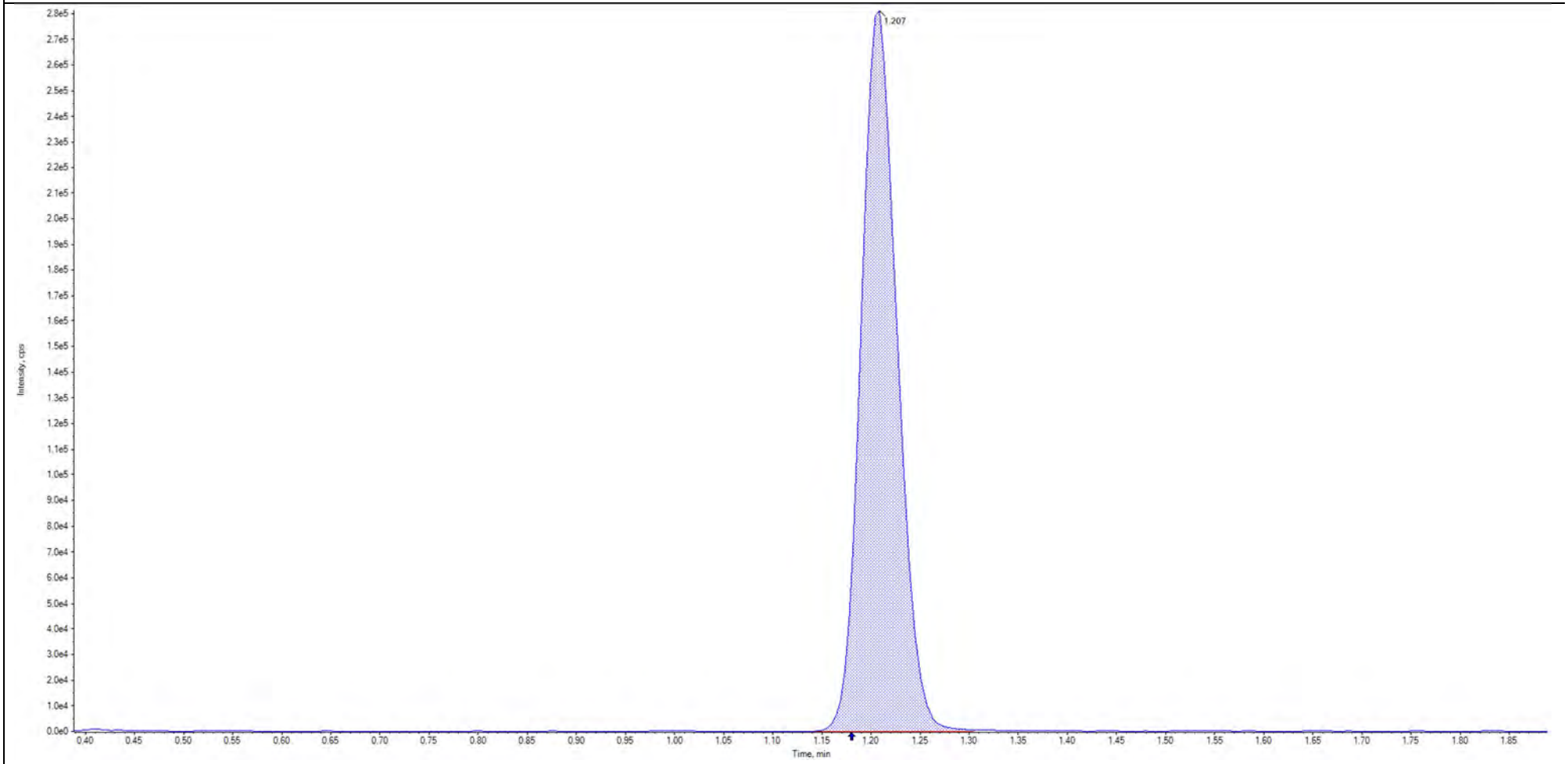


13C4-PFBA
Sample: L2512368-21RE



13C5-PFPeA
Sample: L2512368-21RE



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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13C5-PFHxA
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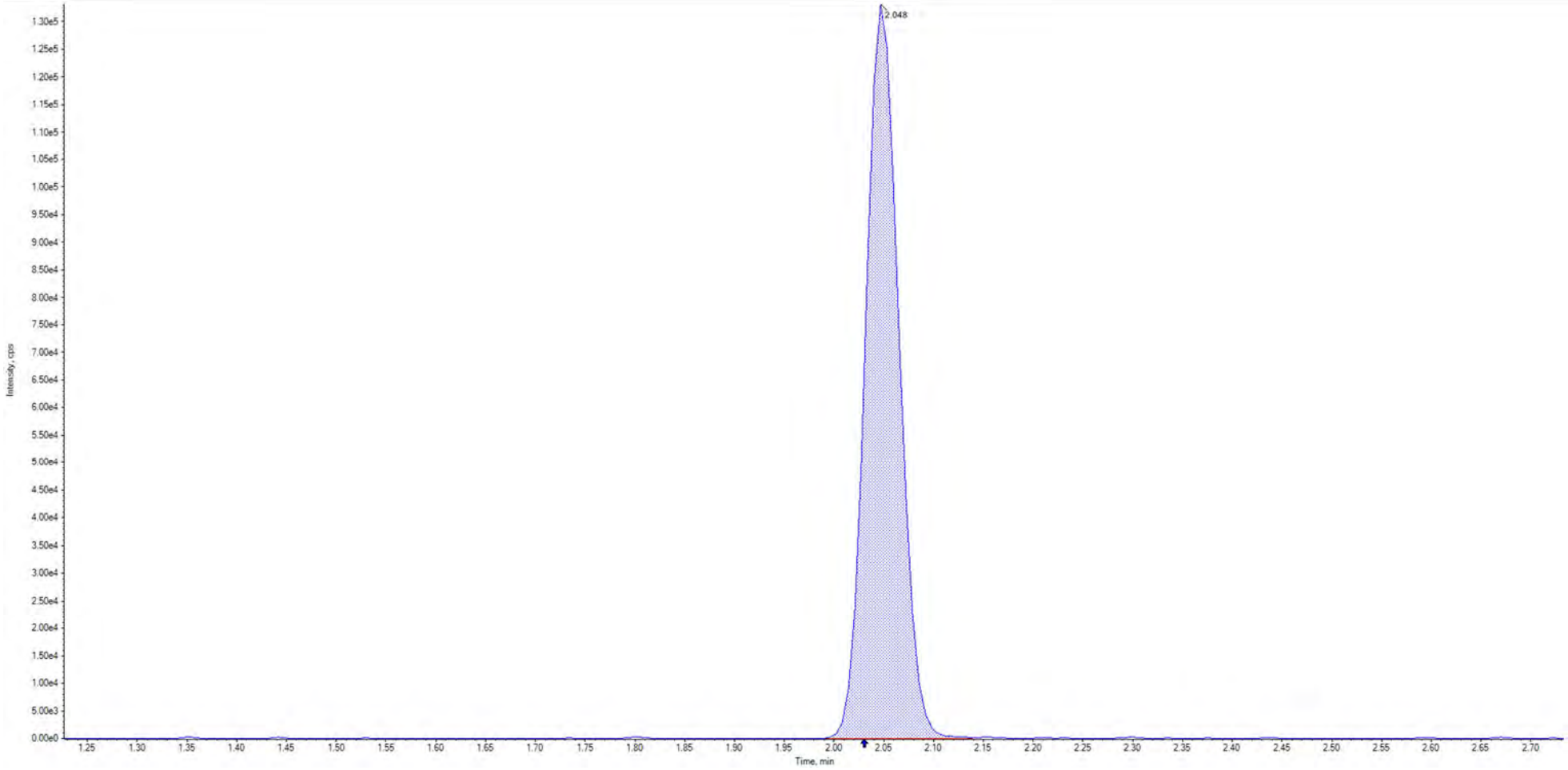
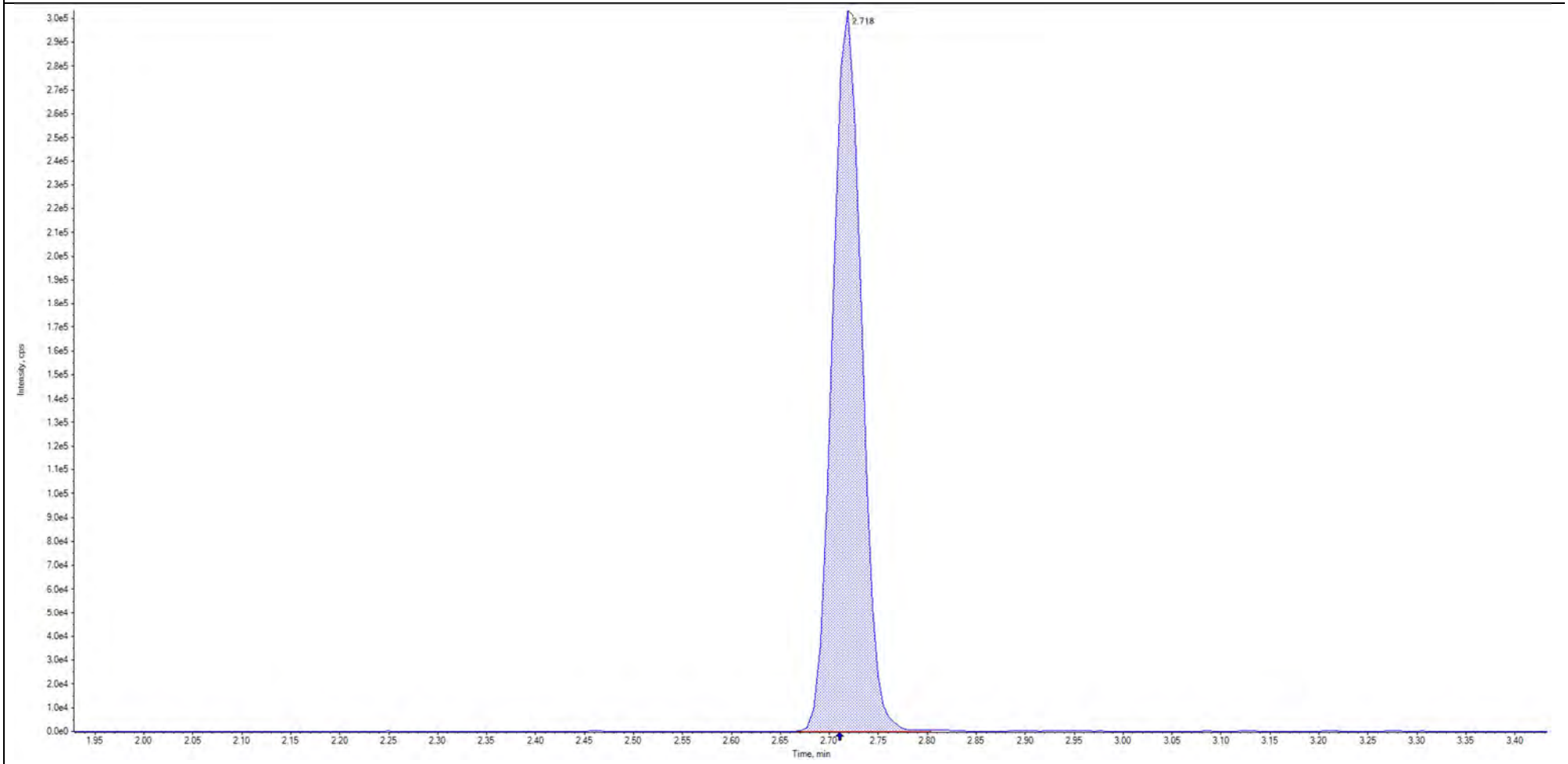
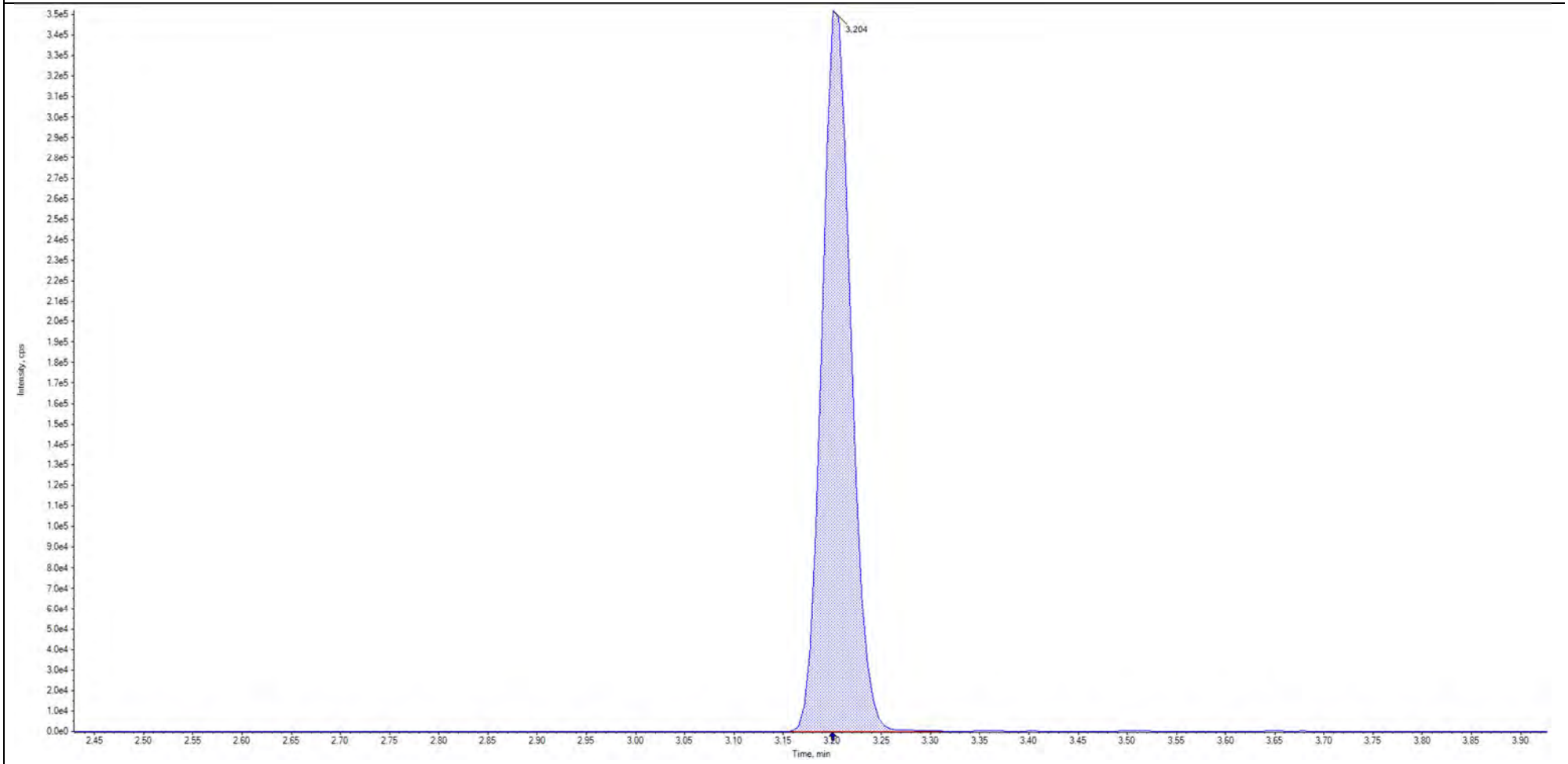


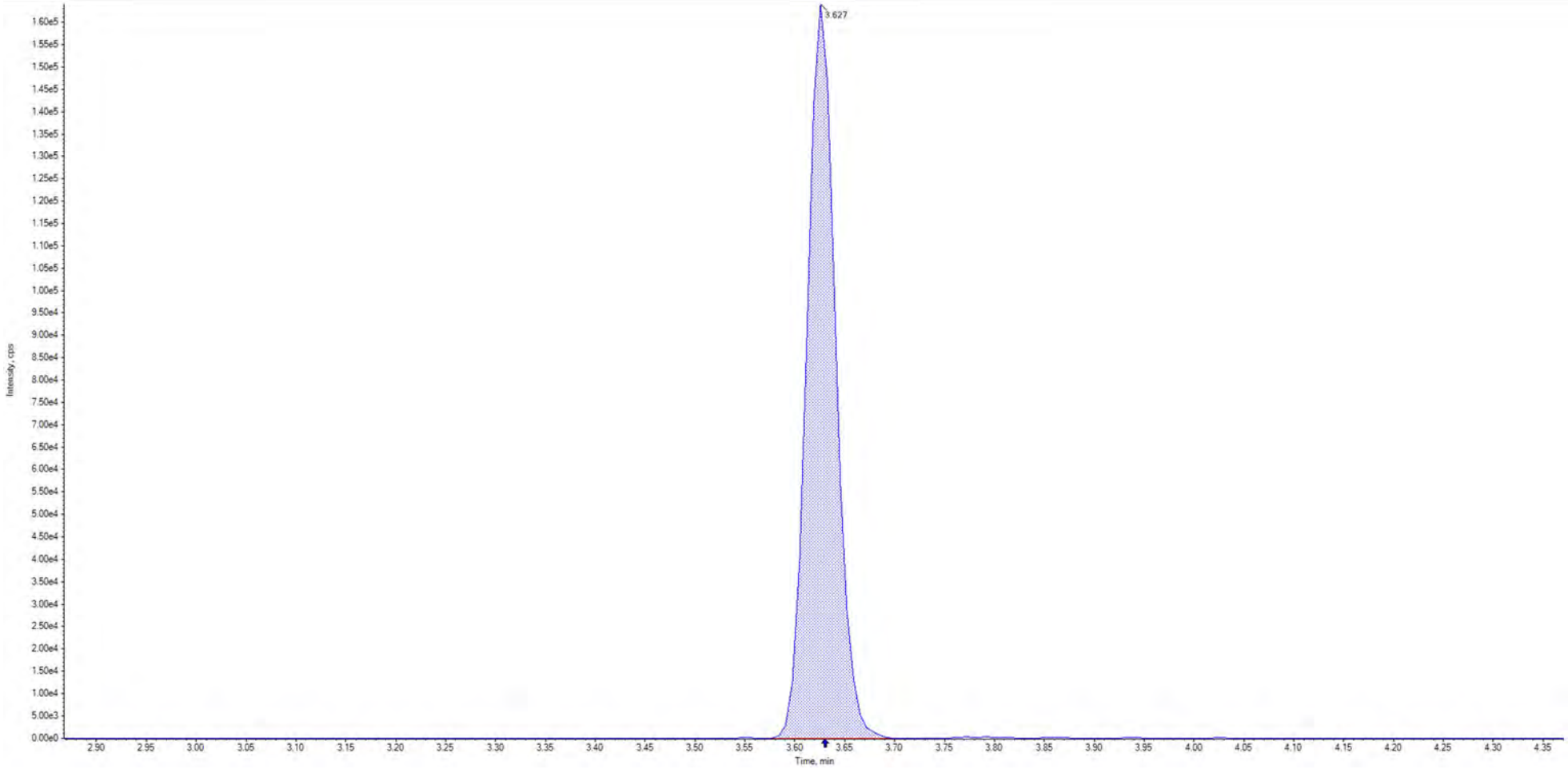
13C4-PFHpA
Sample: L2512368-21RE



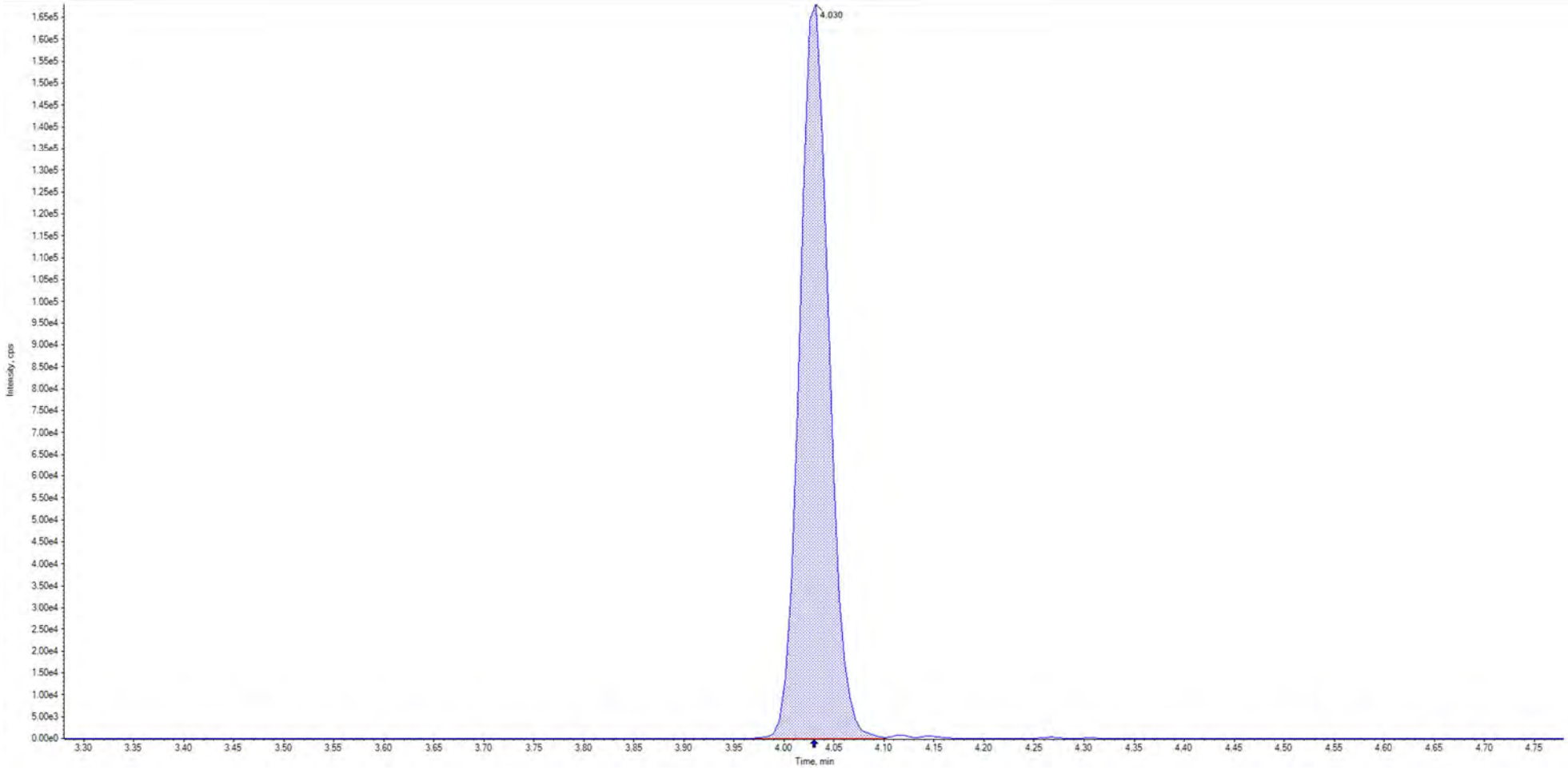
13C8-PFOA
Sample: L2512368-21RE



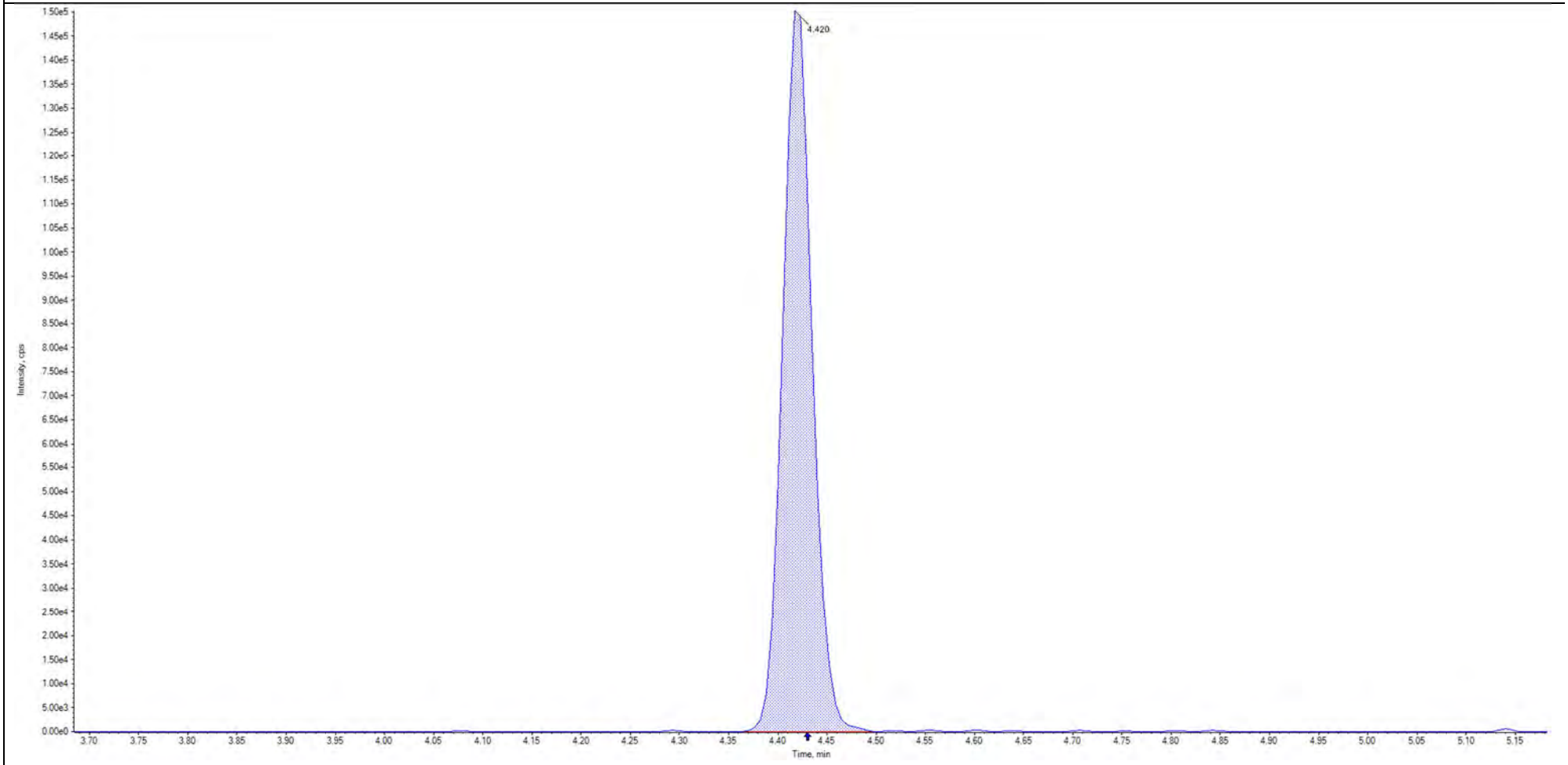
13C9-PFNA
Sample: L2512368-21RE



13C6-PFDA
Sample: L2512368-21RE



13C7-PFUnA
Sample: L2512368-21RE



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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13C2-PFDoA
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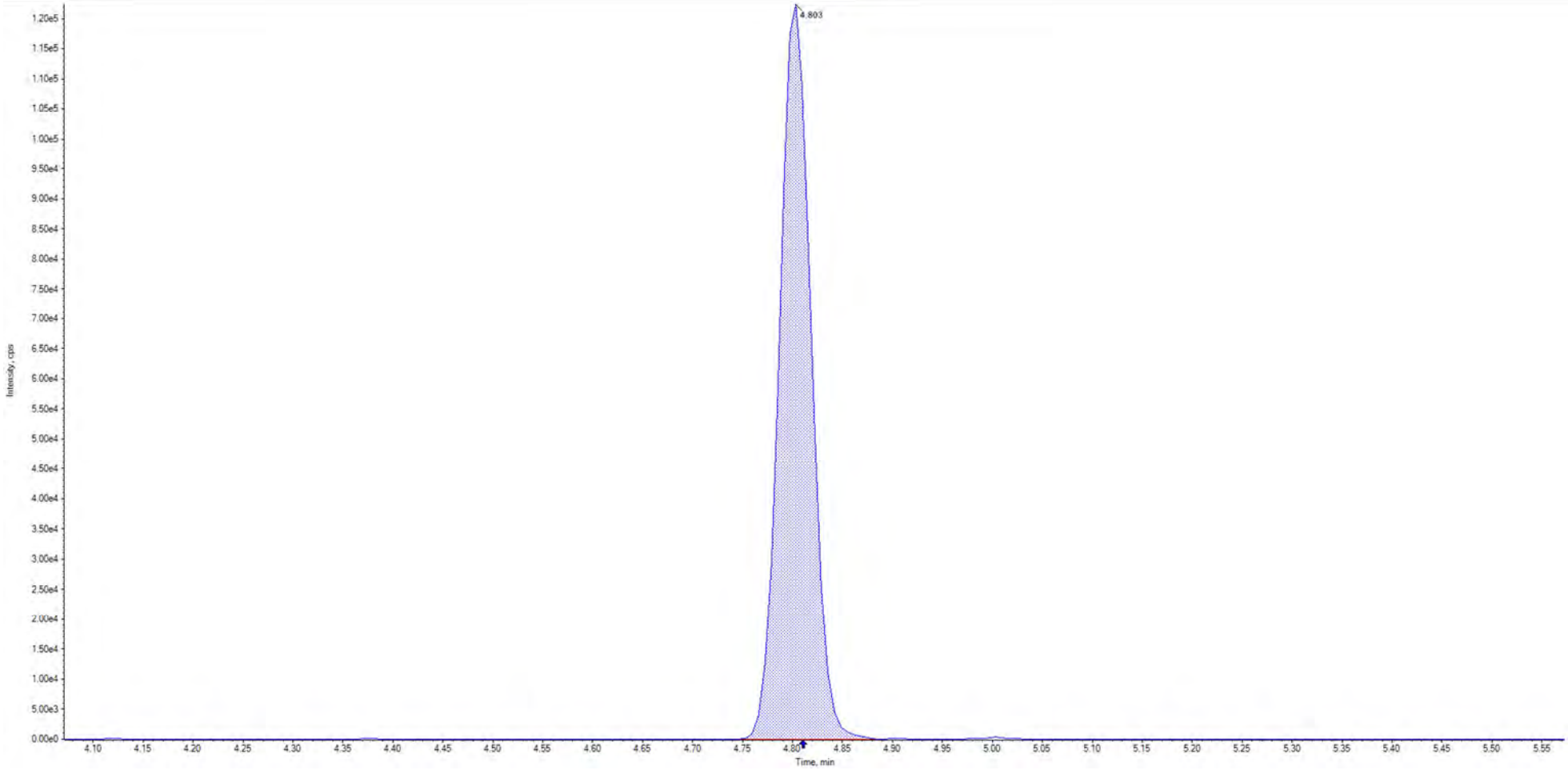
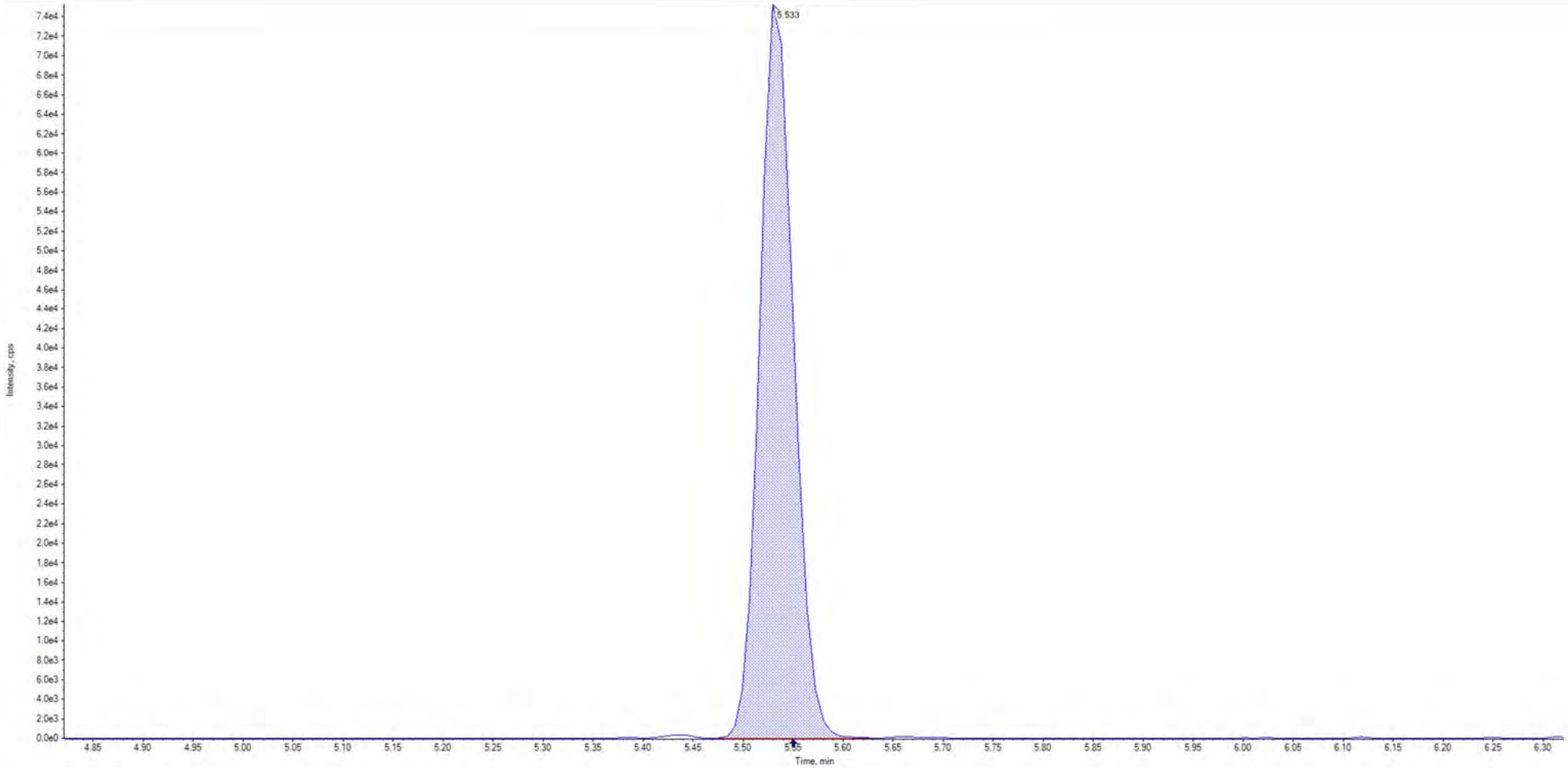
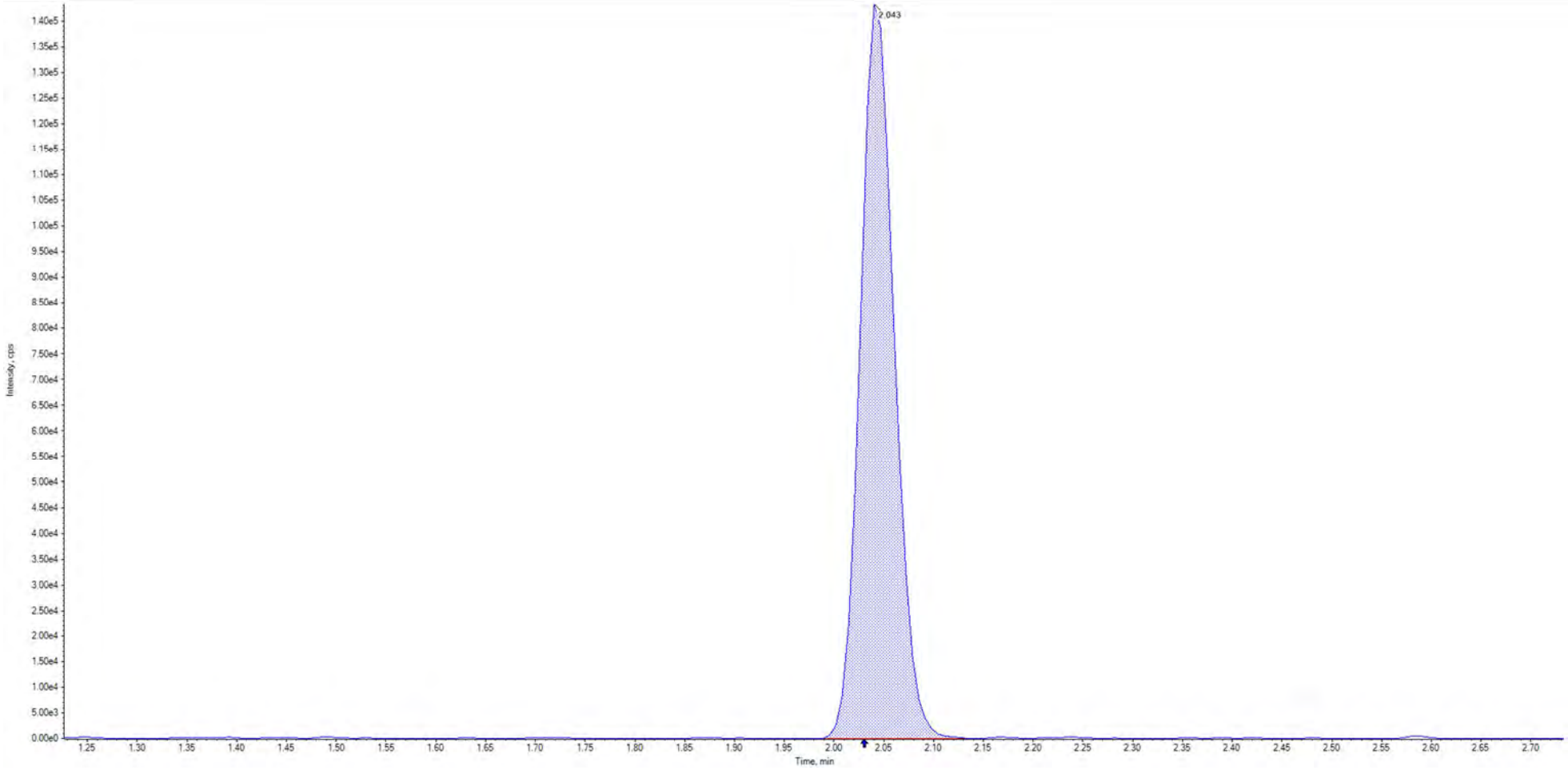


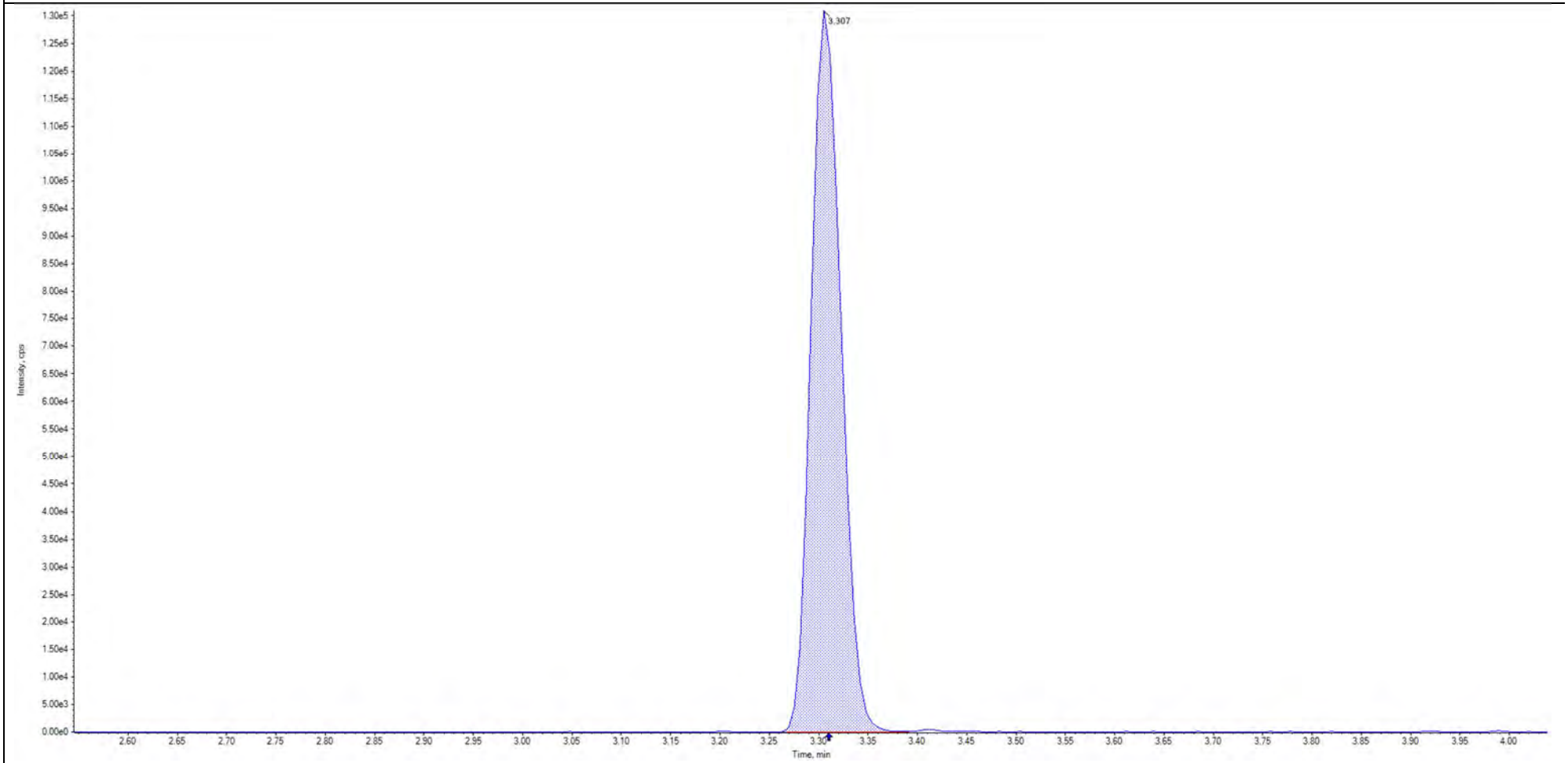
13C2-PFTeDA
Sample: L2512368-21RE



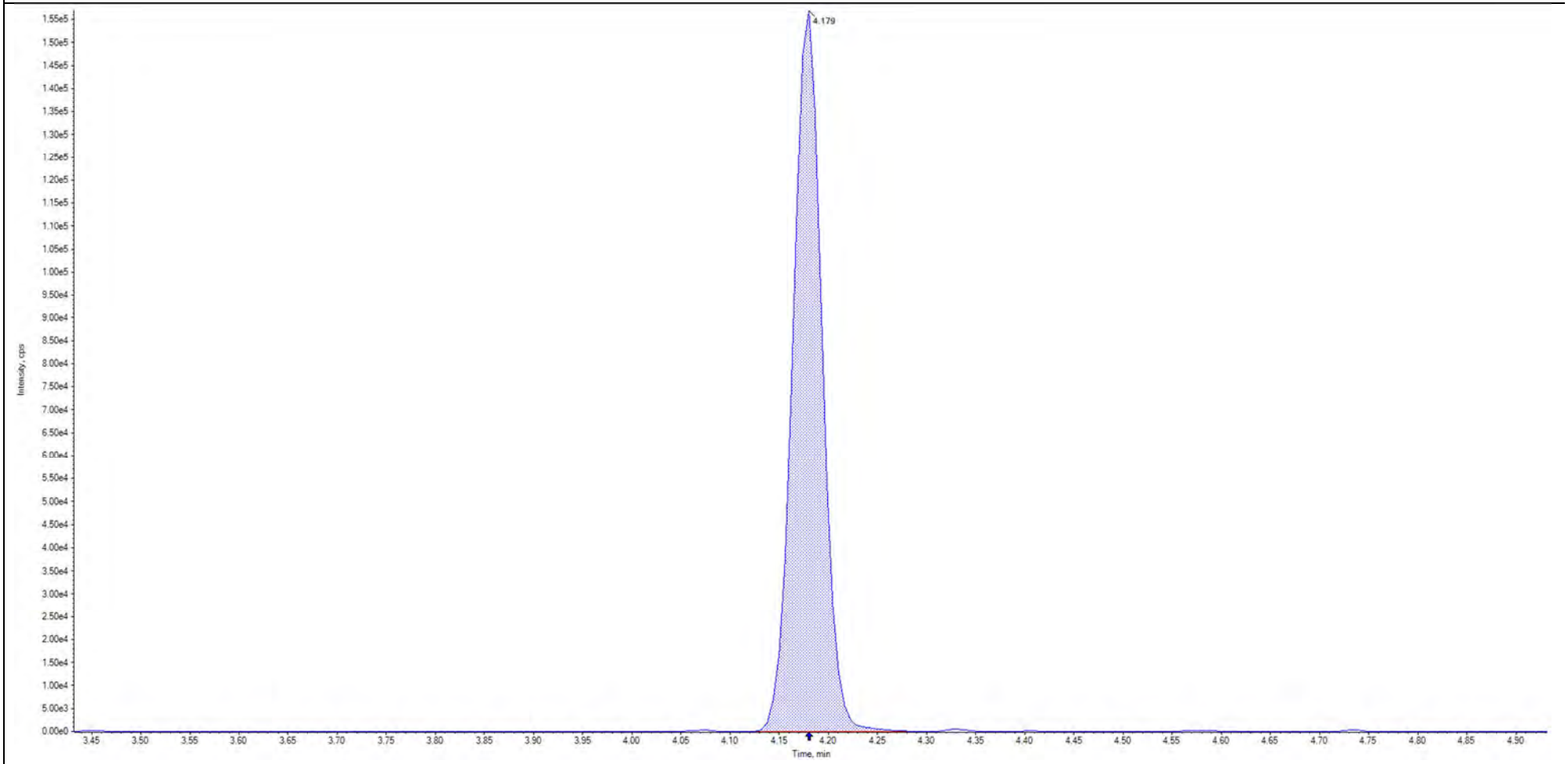
13C3-PFBS
Sample: L2512368-21RE



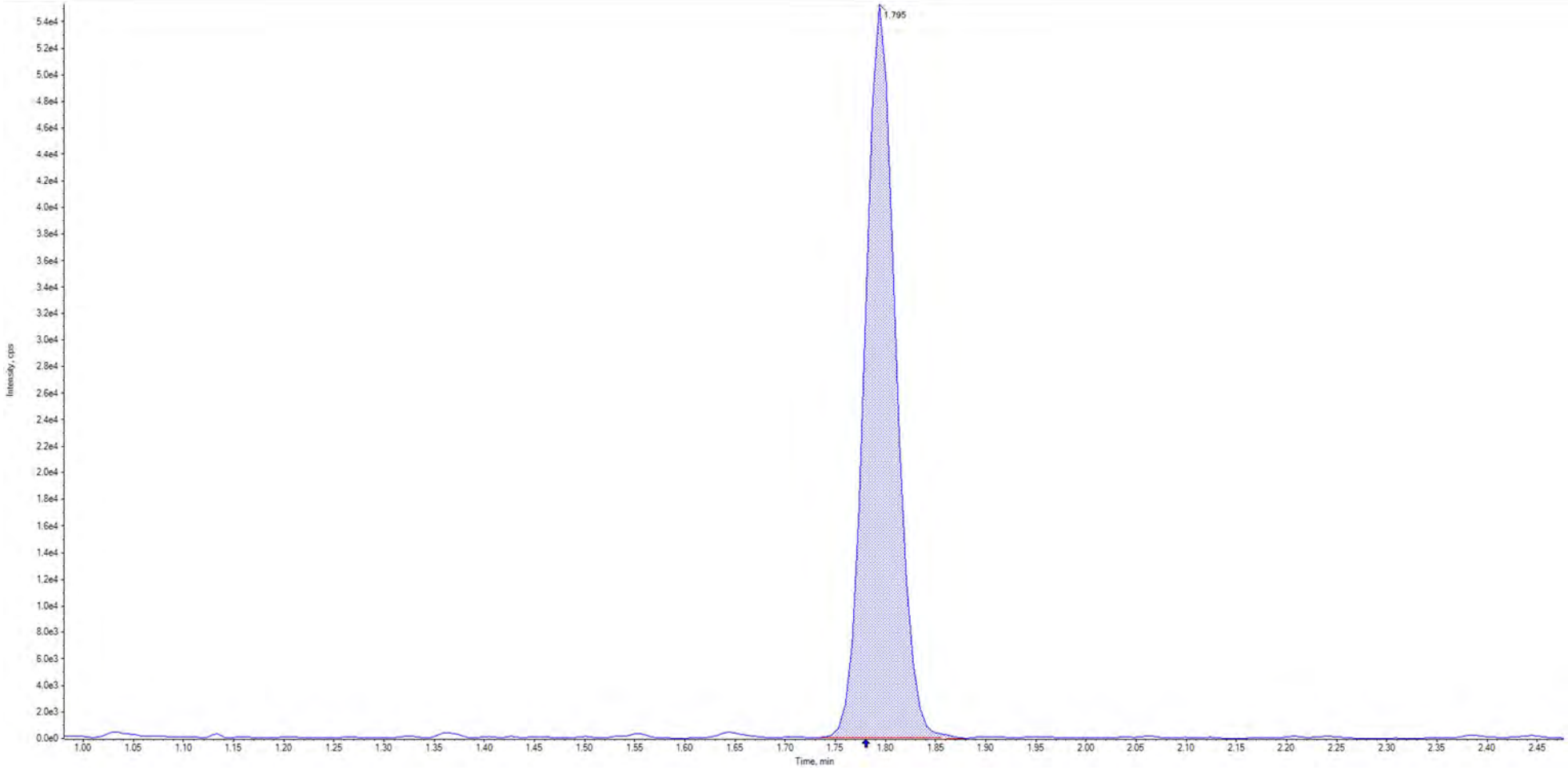
13C3-PFHxS
Sample: L2512368-21RE



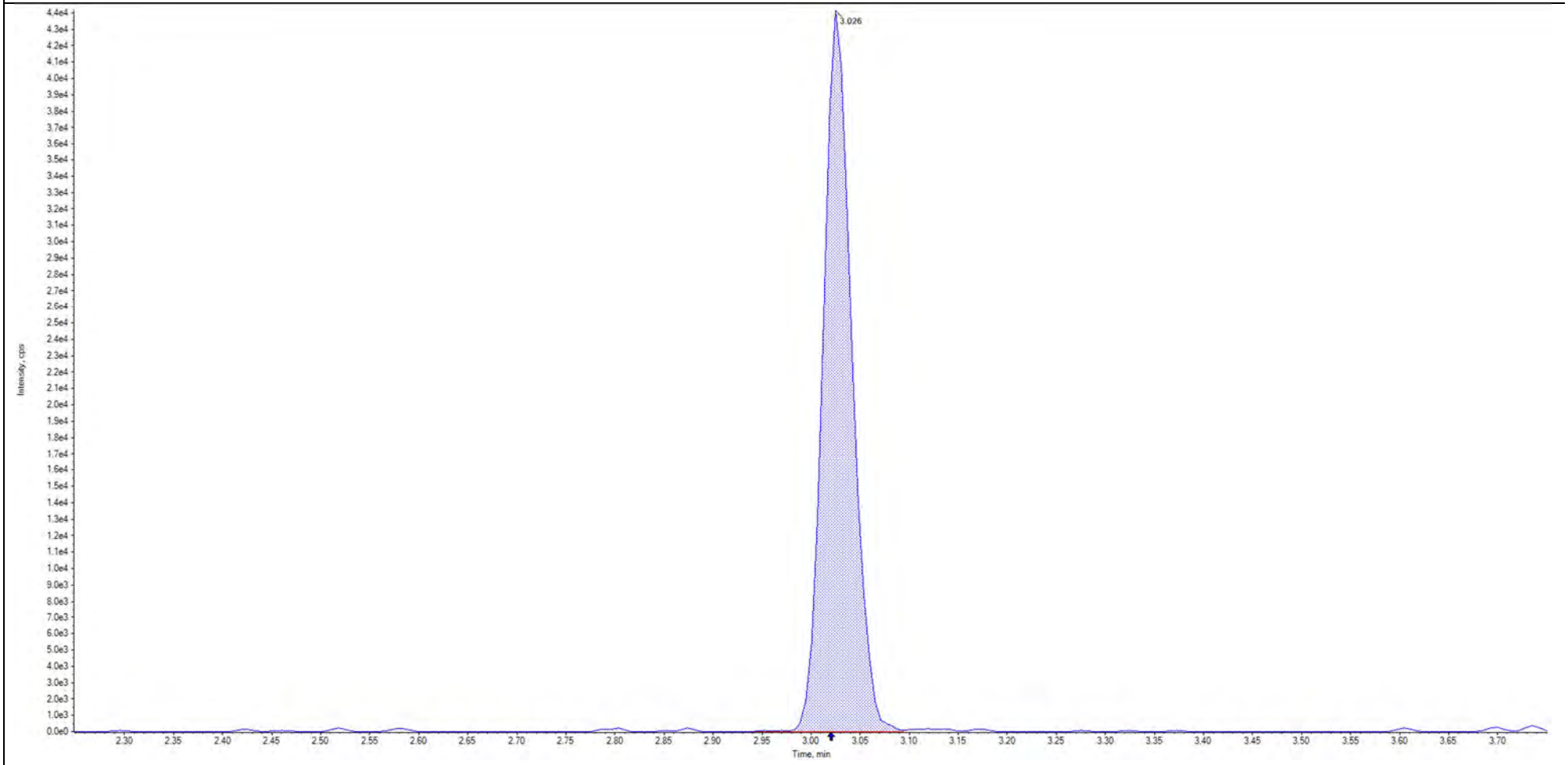
13C8-PFOS
Sample: L2512368-21RE



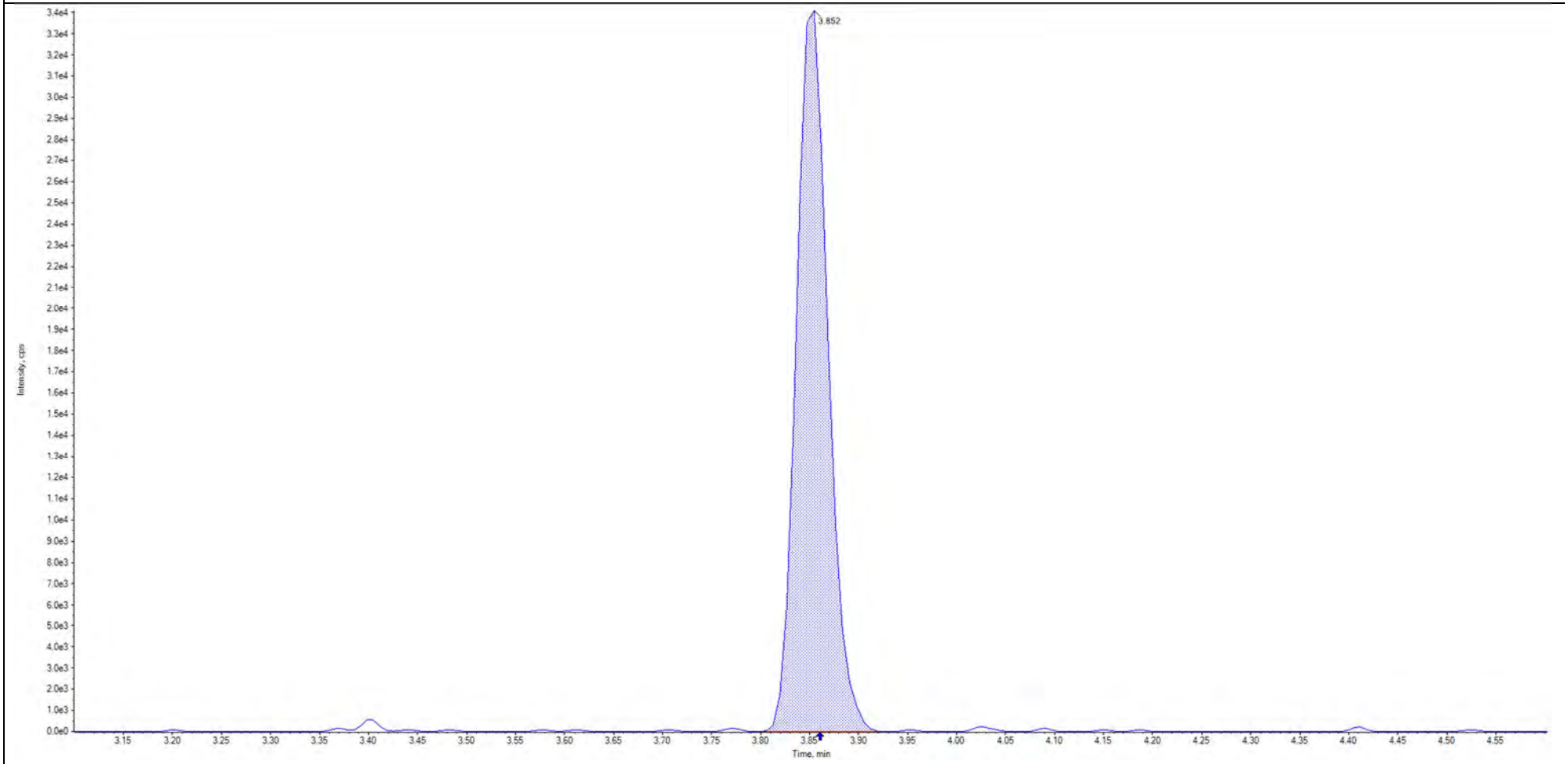
13C2-4:2FTS
Sample: L2512368-21RE



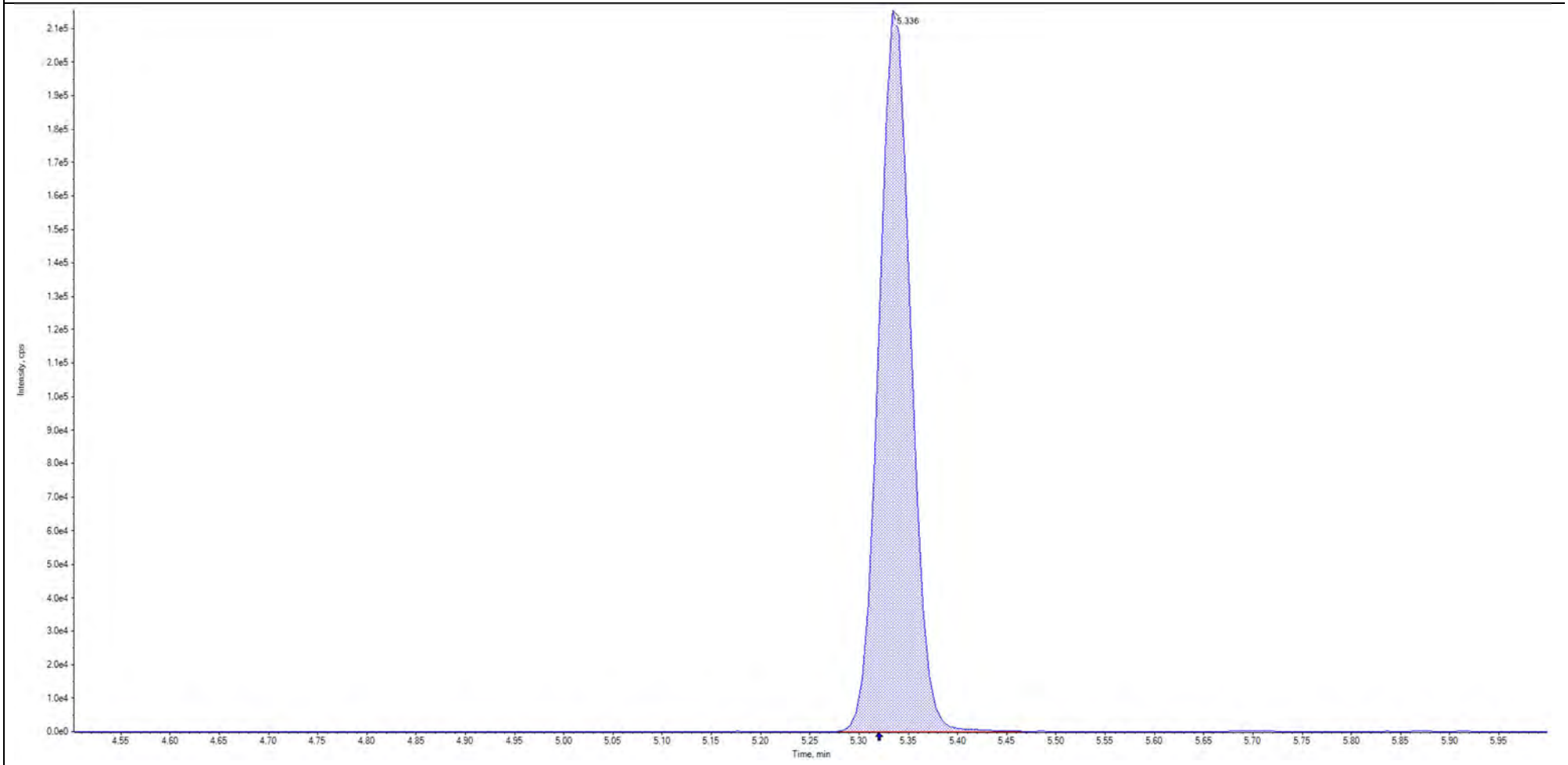
13C2-6:2FTS
Sample: L2512368-21RE



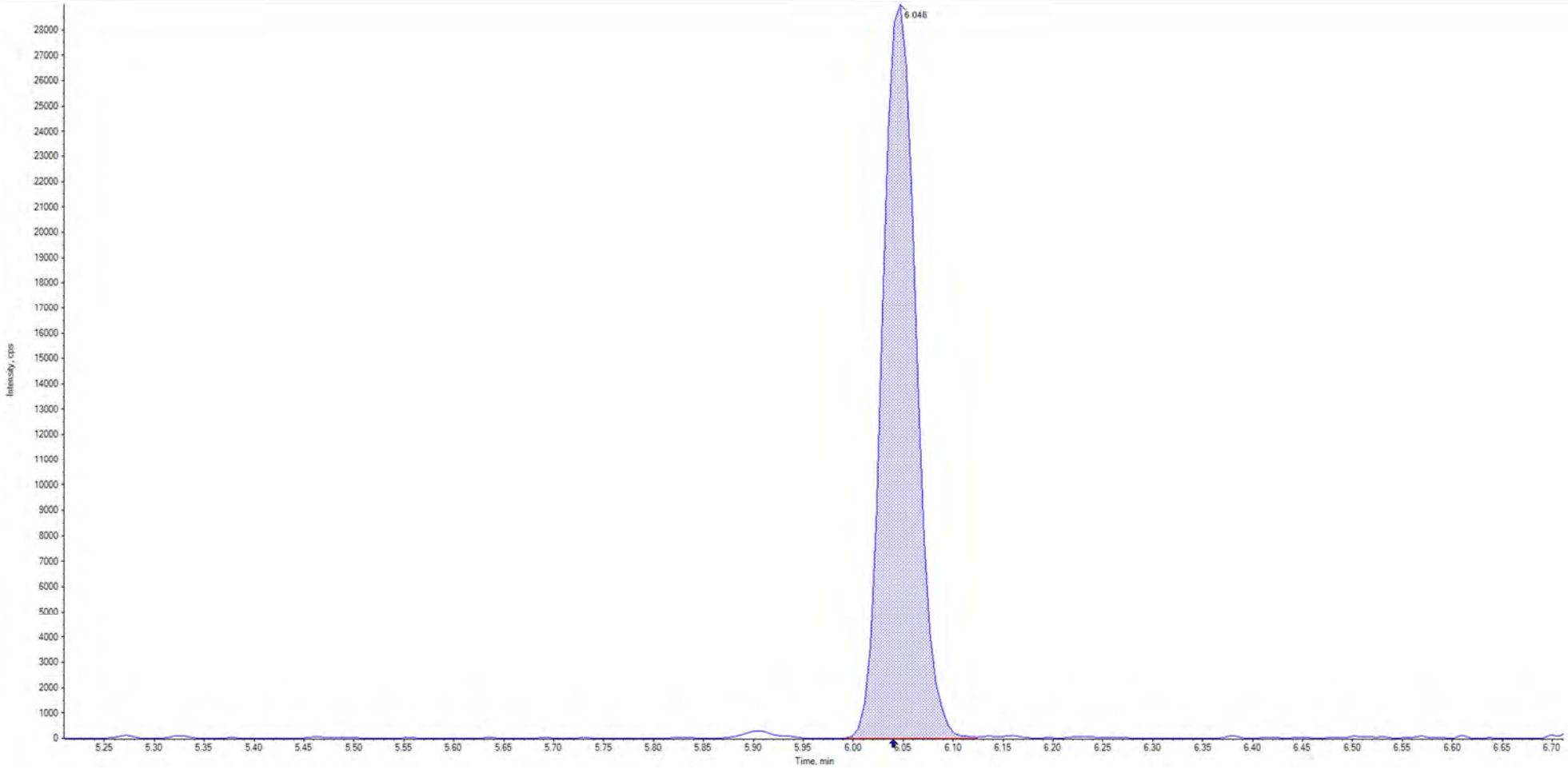
13C2-8:2FTS
Sample: L2512368-21RE



13C8-PFOSA
Sample: L2512368-21RE

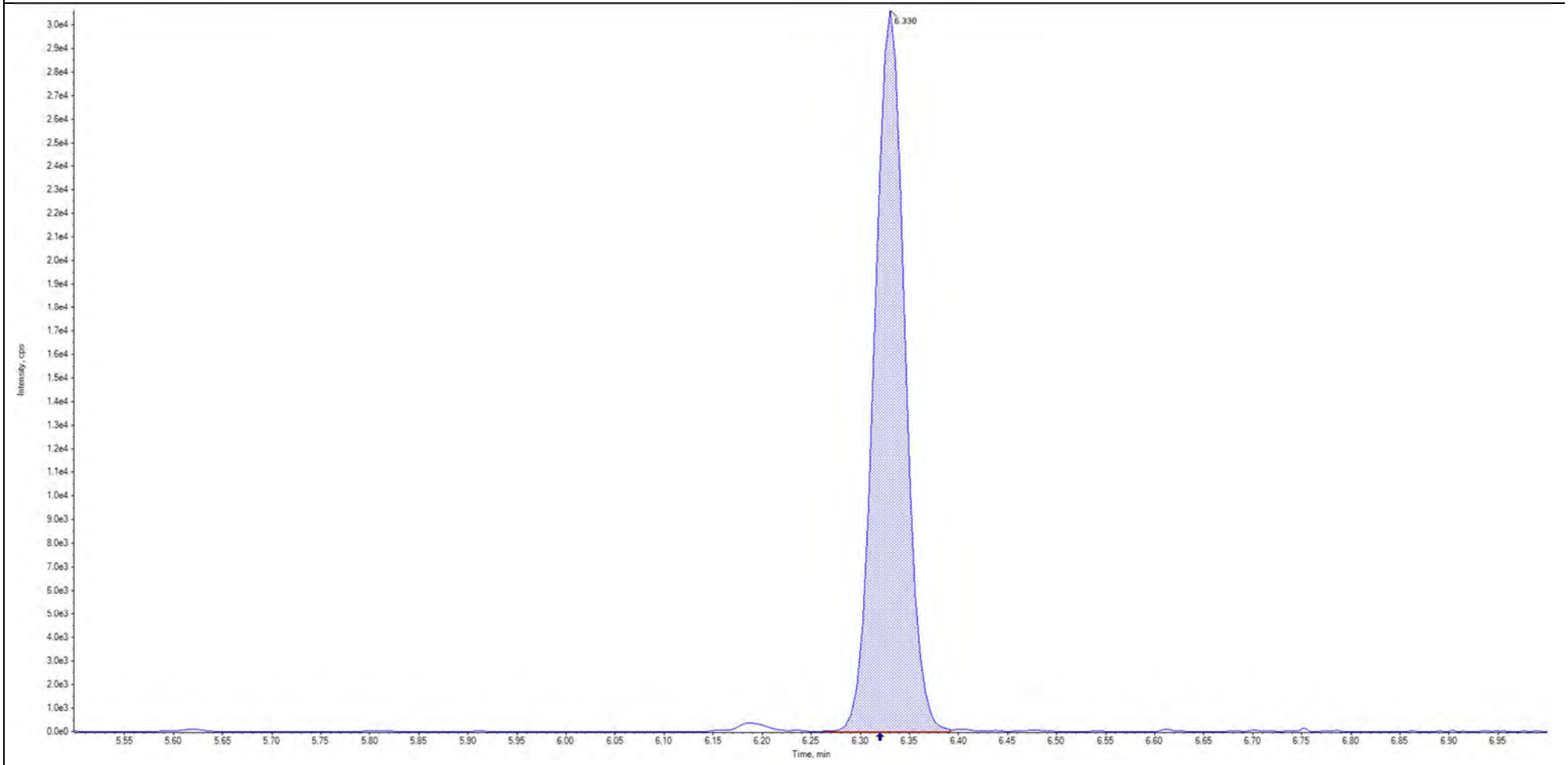


d3-NMeFOSA
Sample: L2512368-21RE

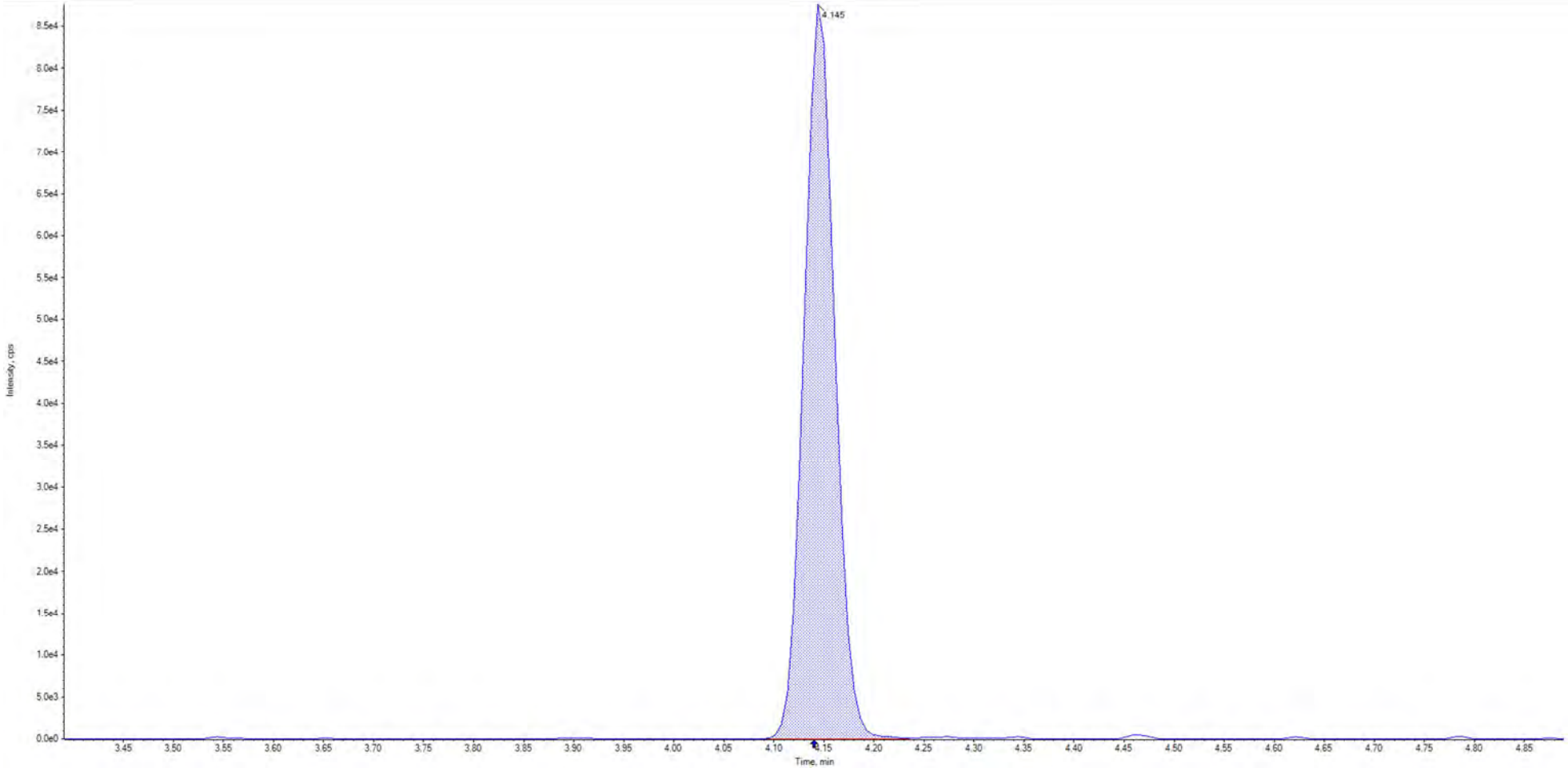


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250317\SCI07_250317_44.wiff2_7
Last Altered: 3/18/2025 9:34:10 AM
Generated: 3/17/2025 4:15:11 PM

d5-NEtFOSA
Sample: L2512368-21RE

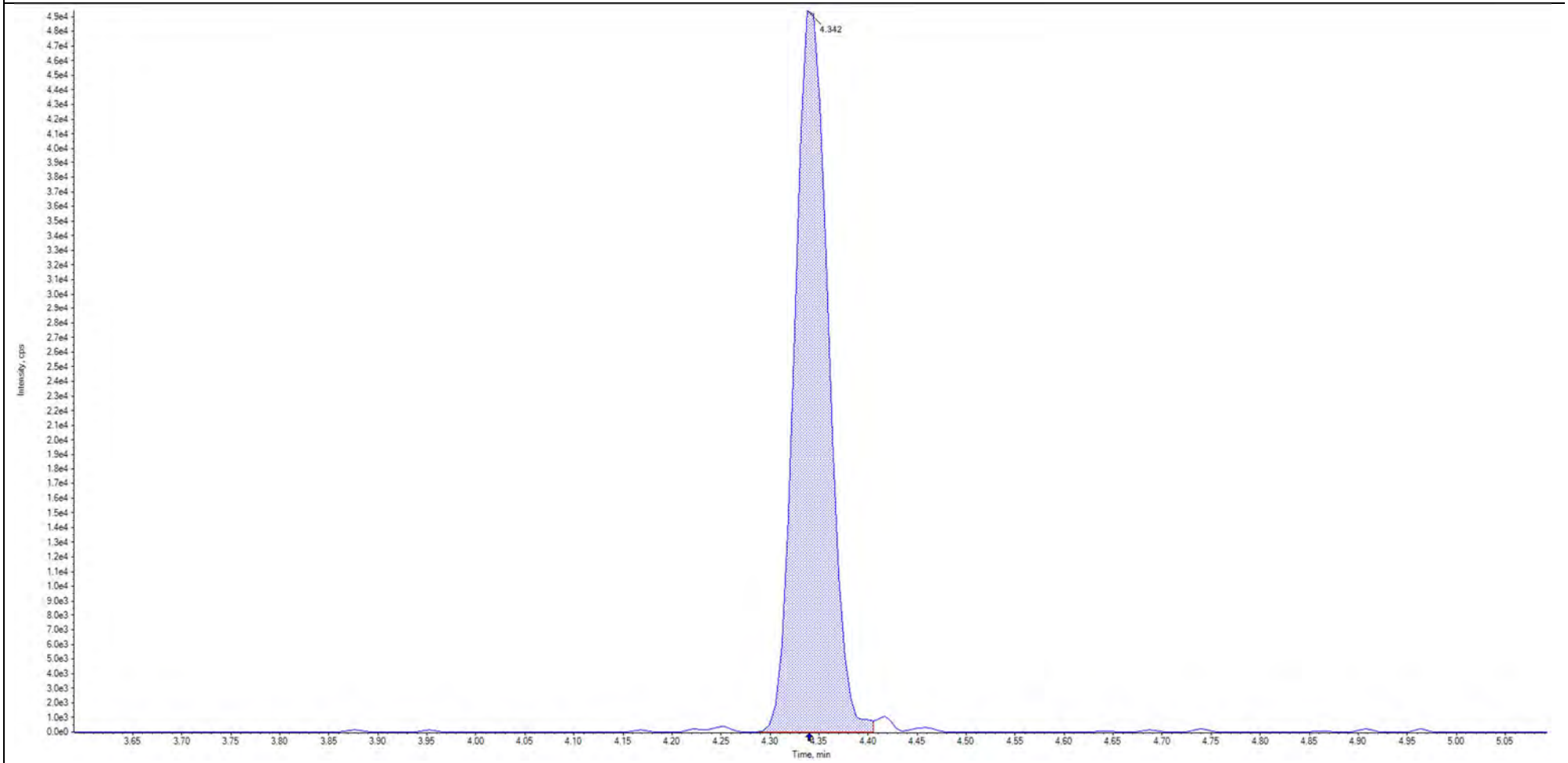


d3-NMeFOSAA
Sample: L2512368-21RE

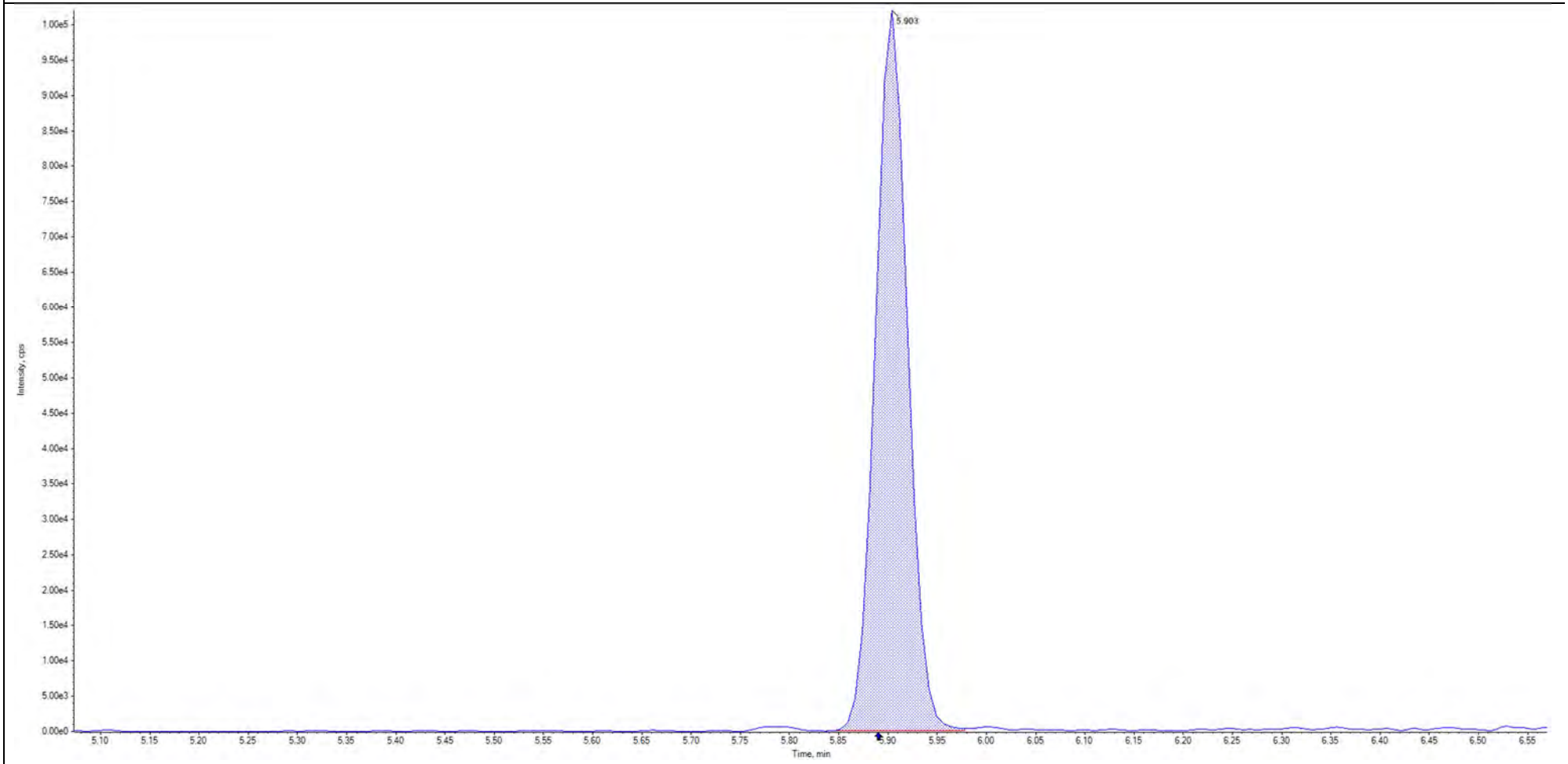


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250317\SCI07_250317_44.wiff2_7
Last Altered: 3/18/2025 9:34:10 AM
Generated: 3/17/2025 4:15:11 PM

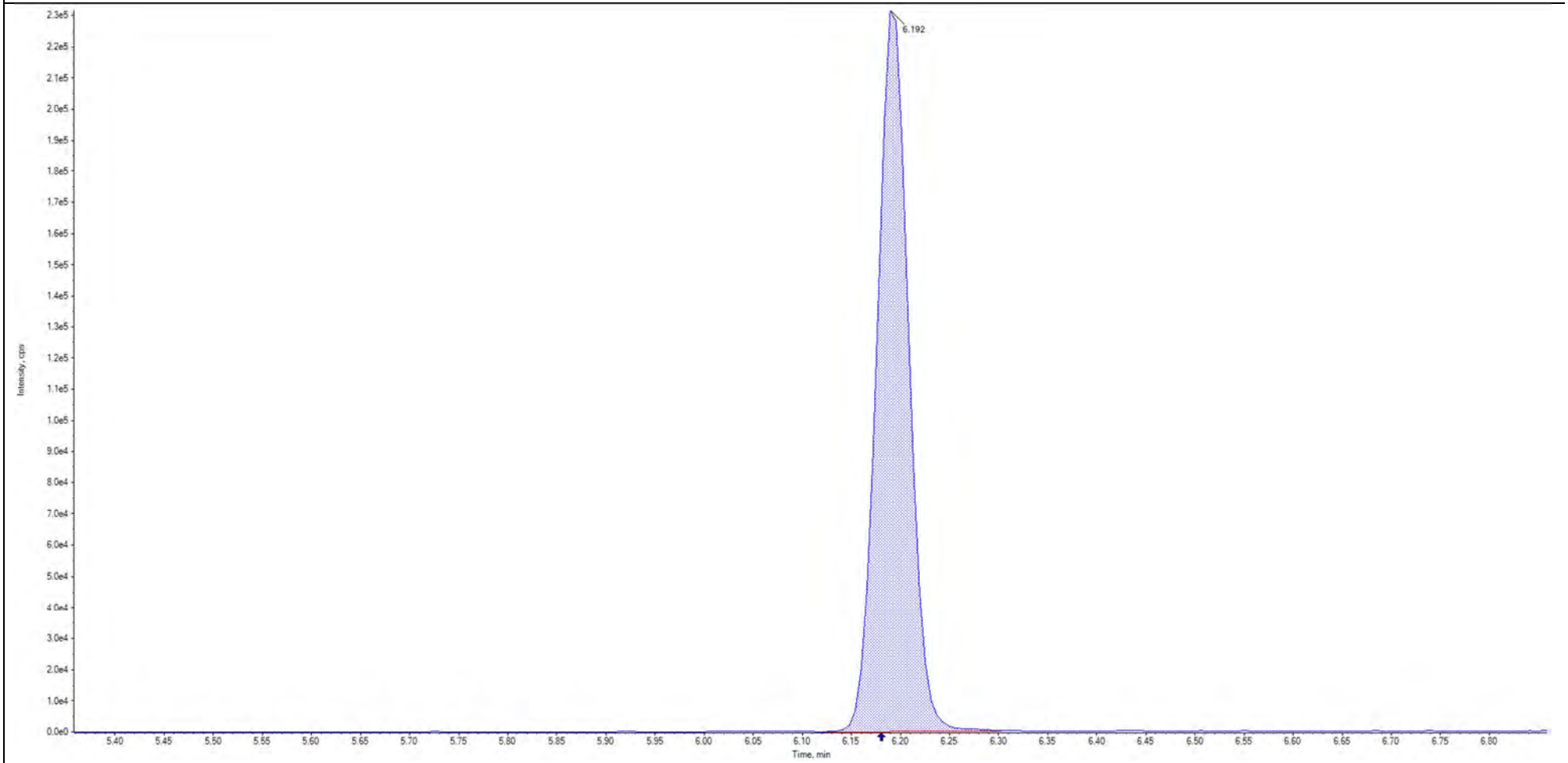
d5-NEtFOSAA
Sample: L2512368-21RE



d7-NMeFOSE
Sample: L2512368-21RE



d9-NEtFOSE
Sample: L2512368-21RE



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250317\SCI07_250317_44.wiff2_7
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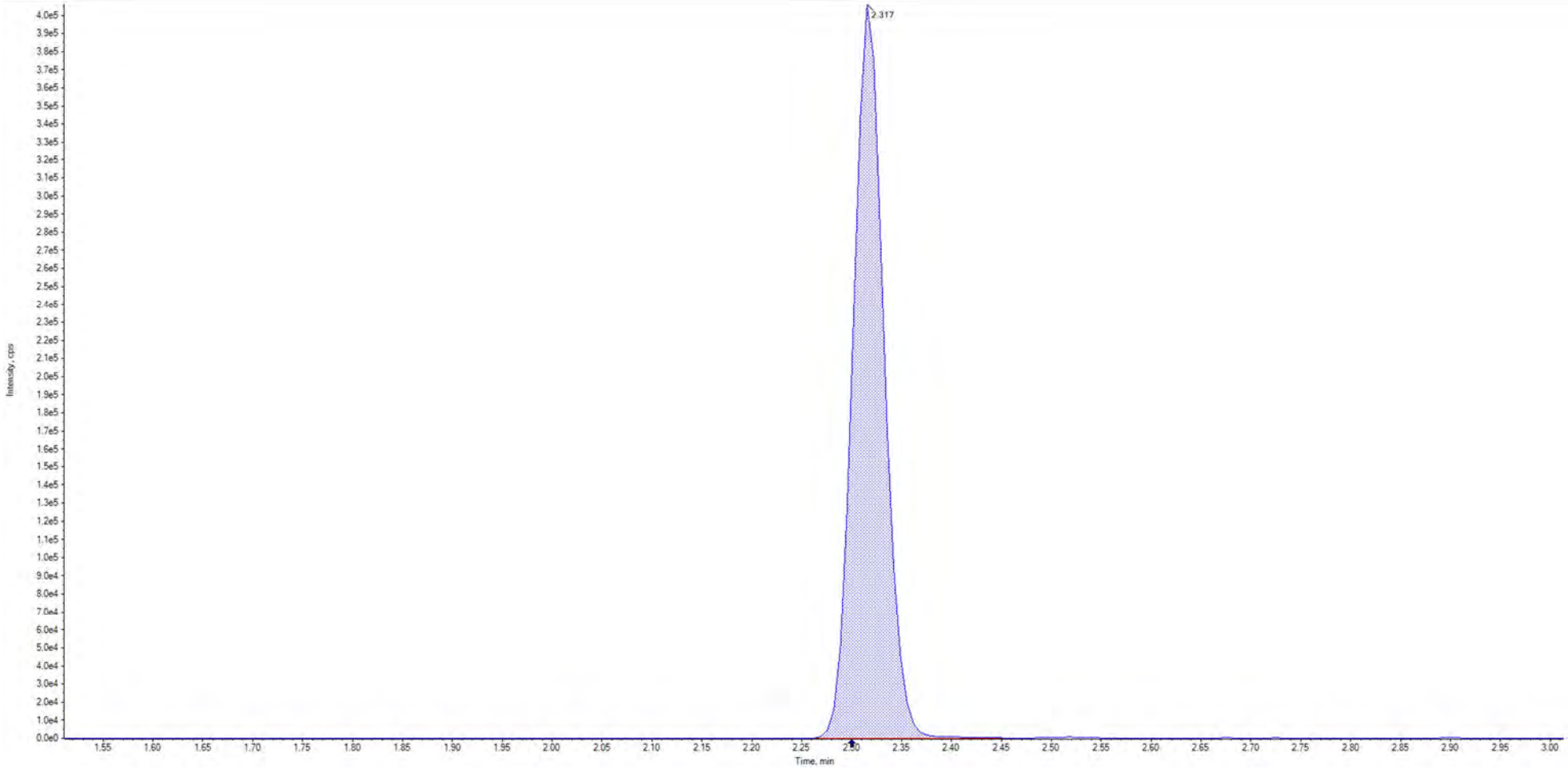
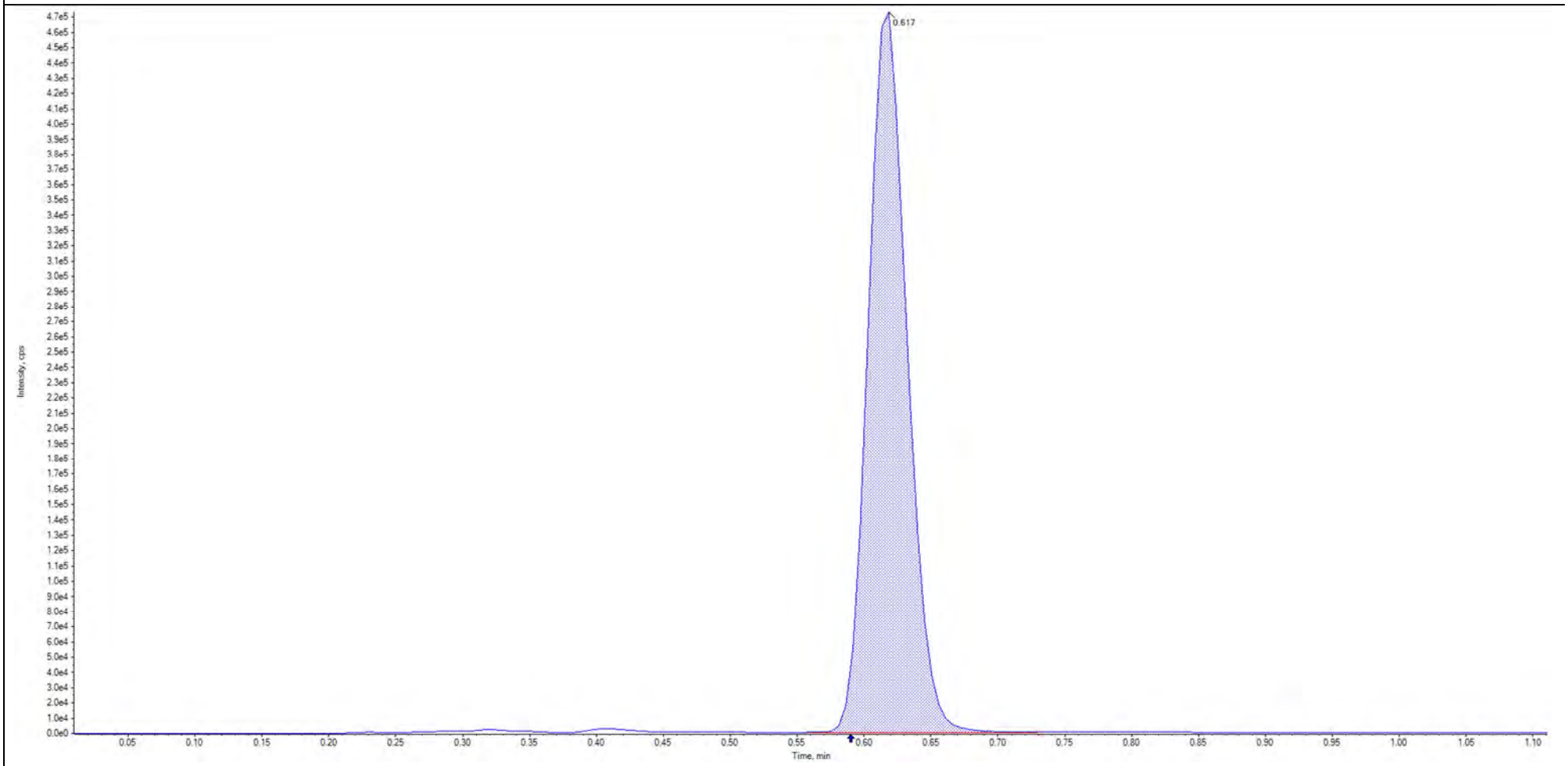
Generated: 3/17/2025 4:15:11 PM

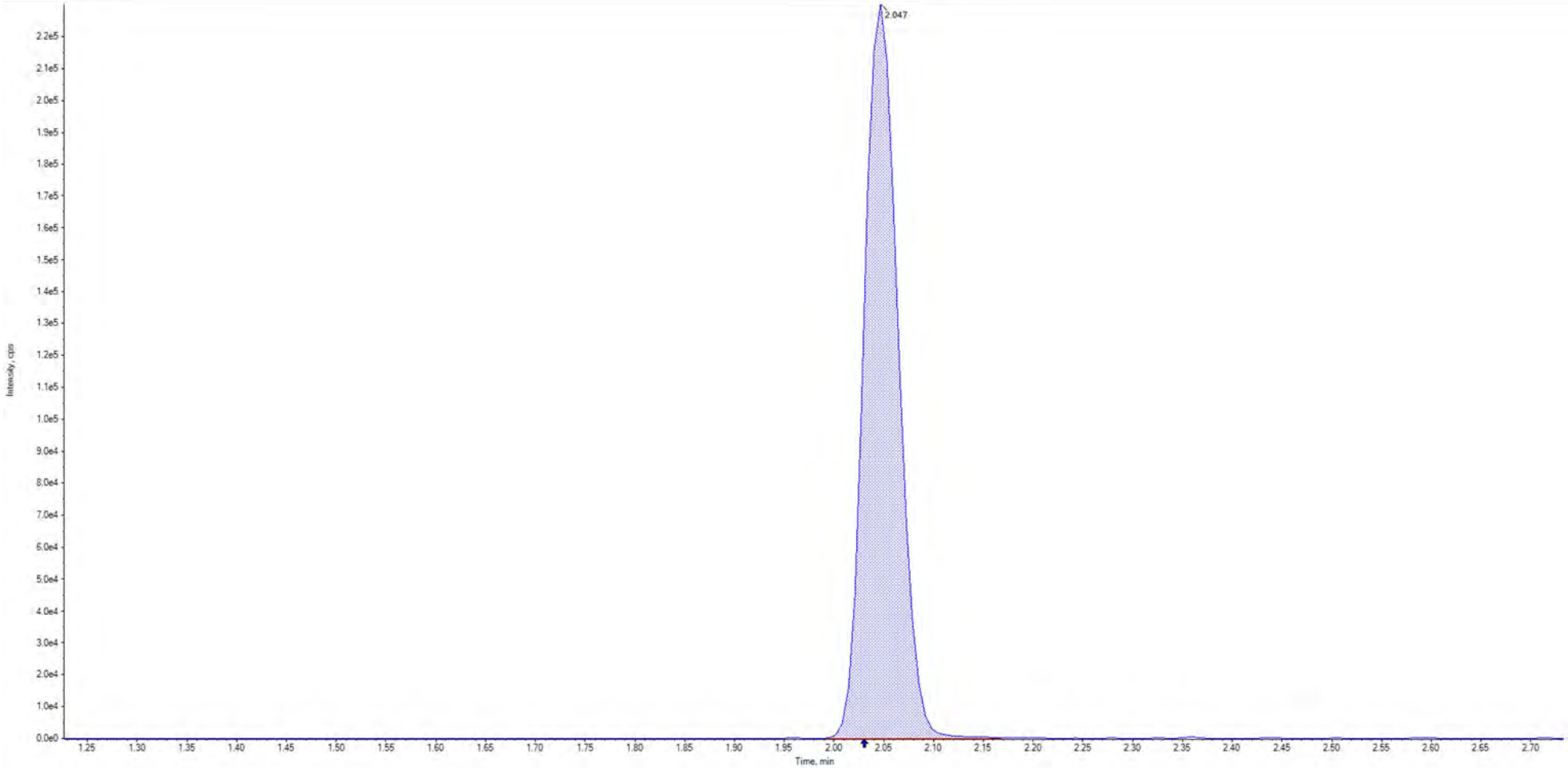
13C3-HFPO-DA
Sample: L2512368-21RE



13C3-PFBA
Sample: L2512368-21RE

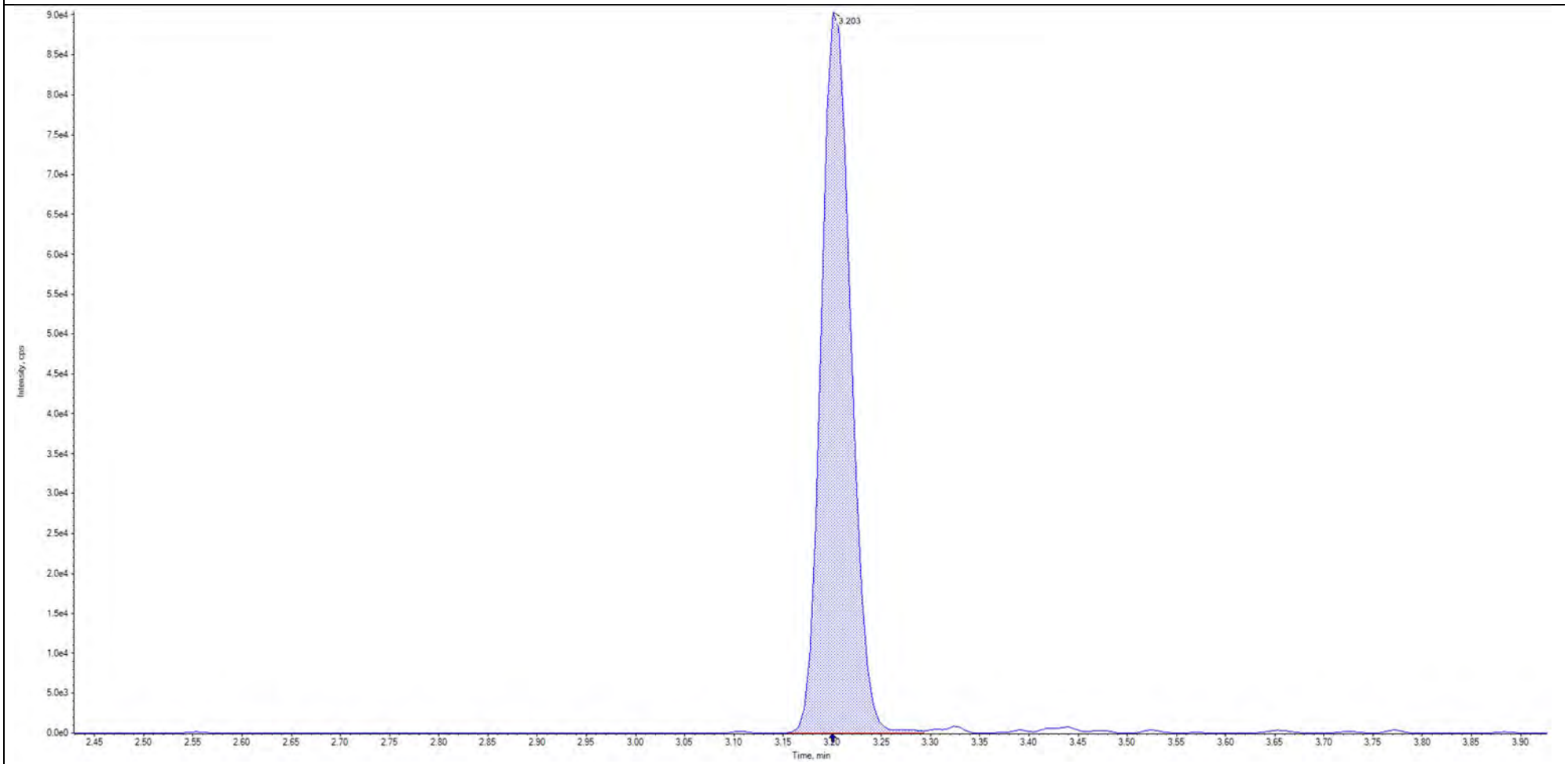


13C2-PFHxA
Sample: L2512368-21RE

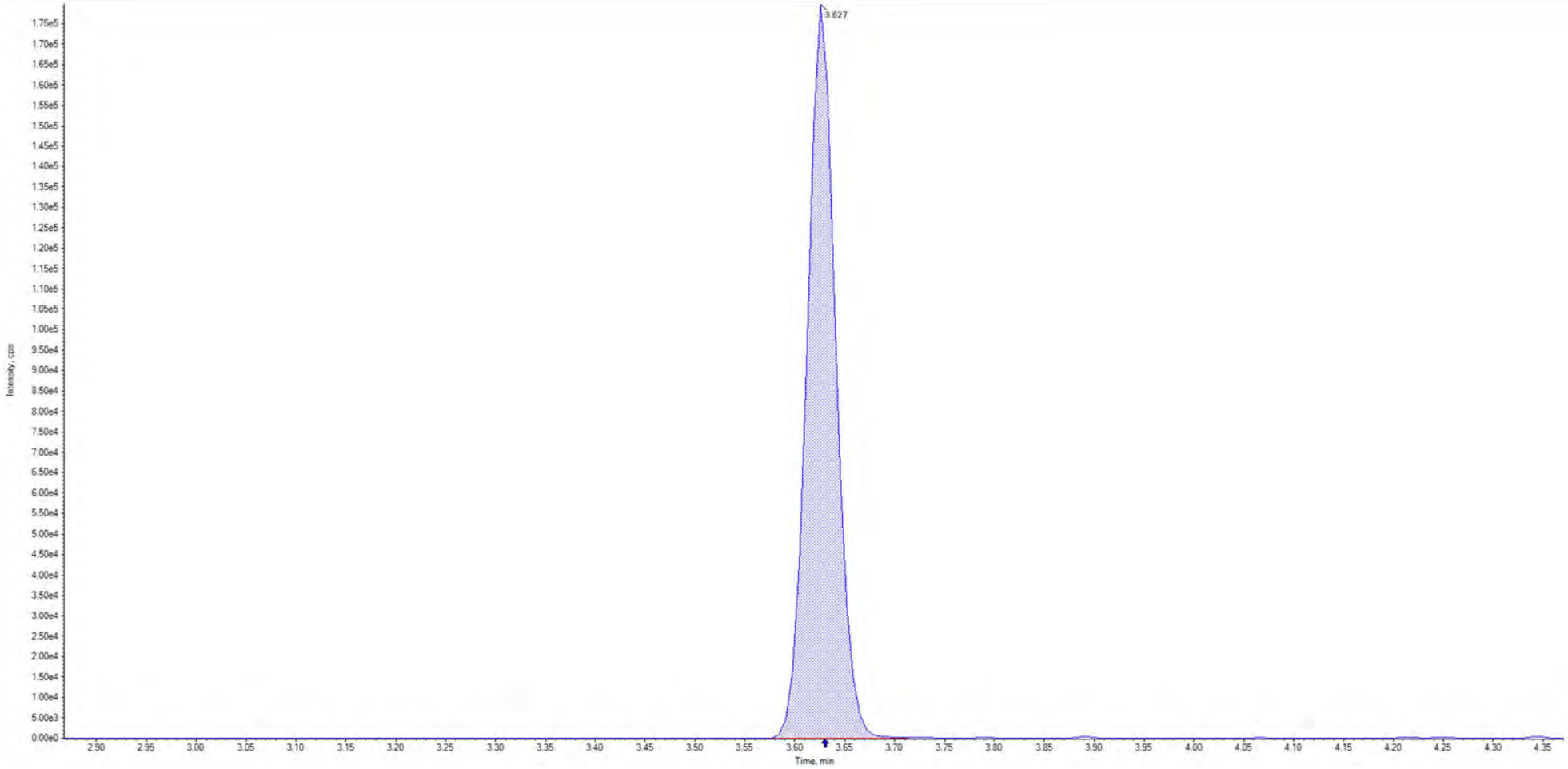


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250317\SCI07_250317_44.wiff2_7
Last Altered: 3/18/2025 9:34:10 AM
Generated: 3/17/2025 4:15:11 PM

13C4-PFOA
Sample: L2512368-21RE



13C5-PFNA
Sample: L2512368-21RE



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250317\SCI07_250317_44.wiff2_7
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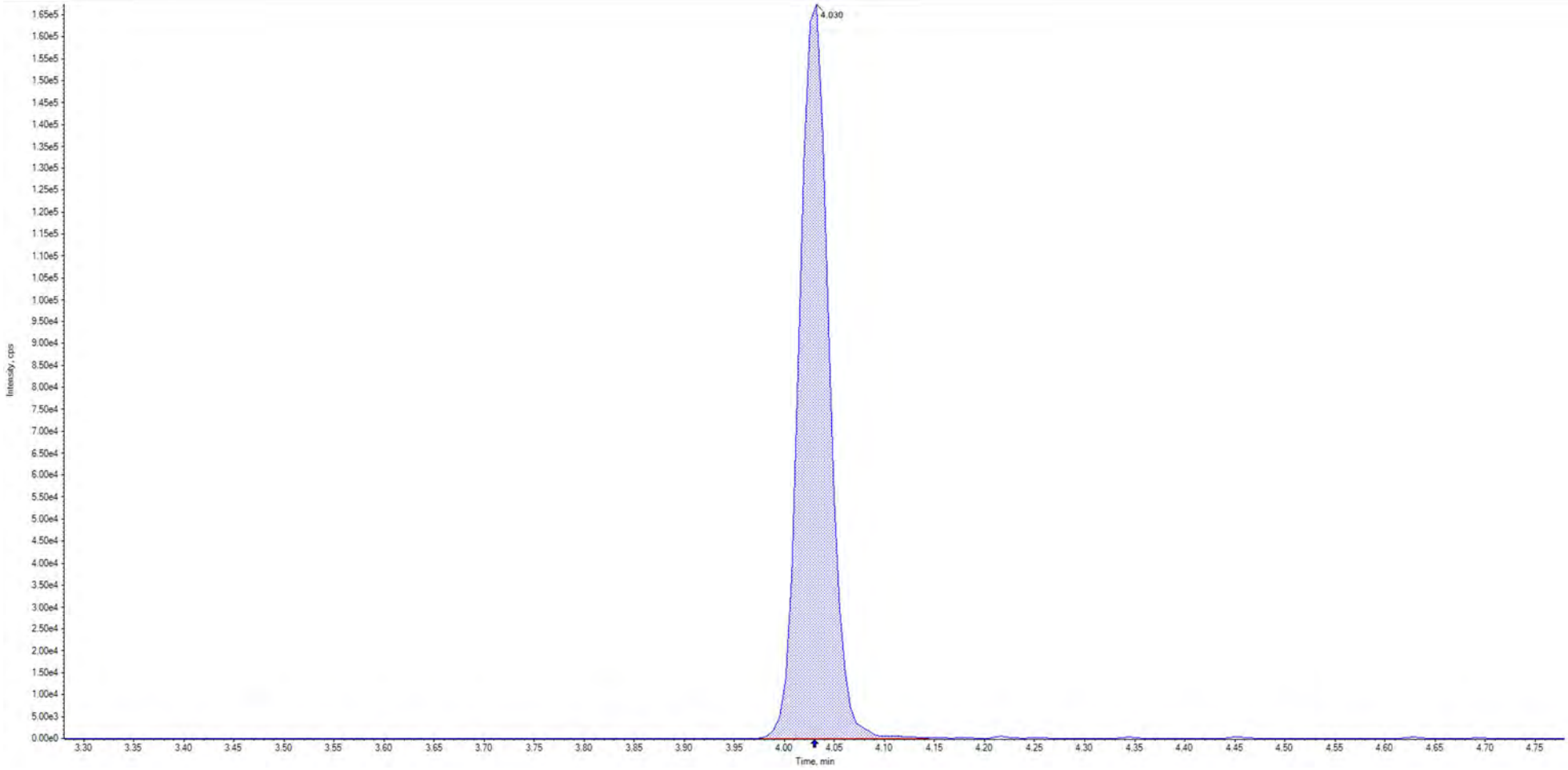
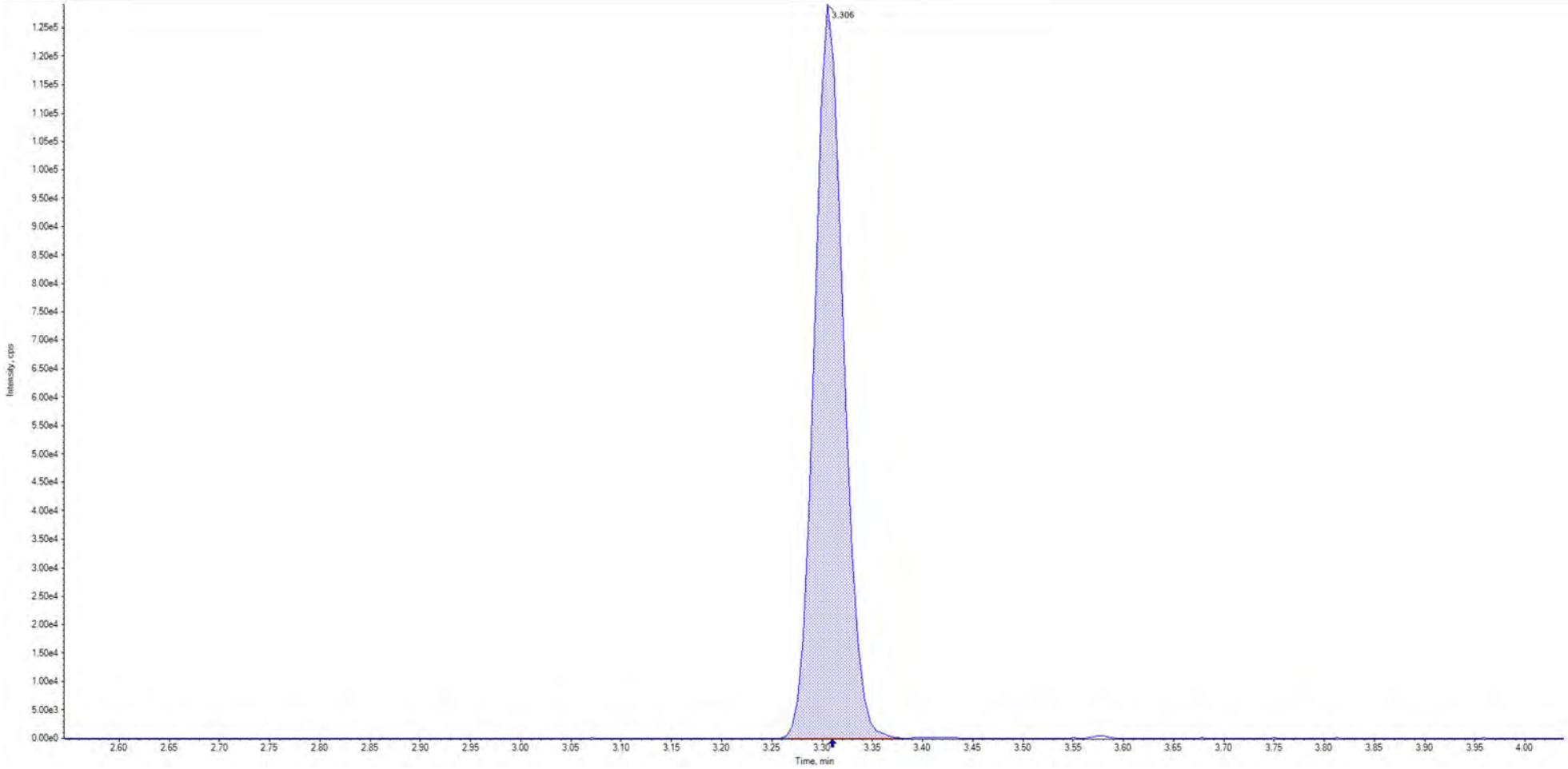
Generated: 3/17/2025 4:15:11 PM

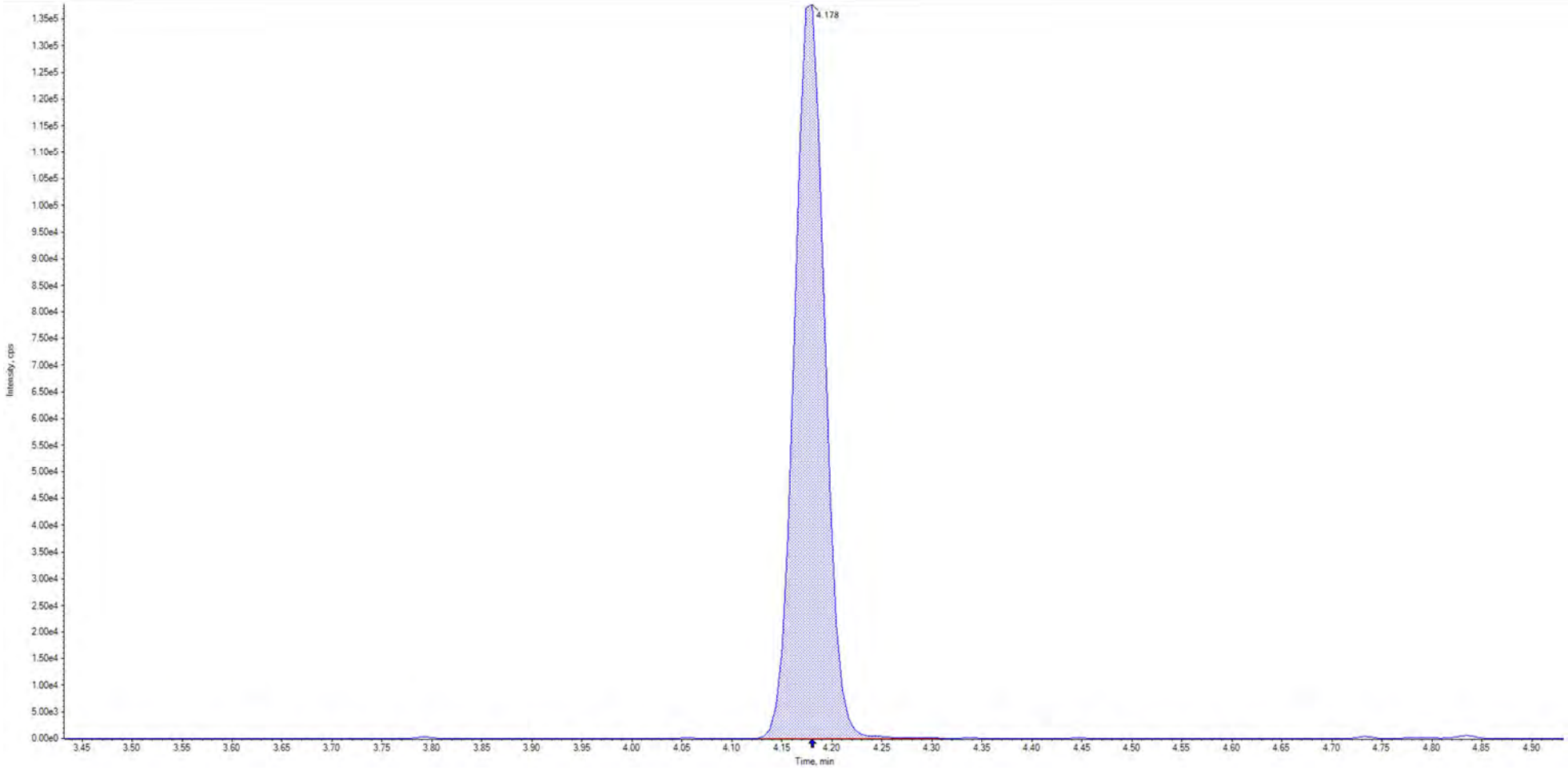
13C2-PFDA
Sample: L2512368-21RE



18O2-PFHxS
Sample: L2512368-21RE



13C4-PFOS
Sample: L2512368-21RE



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250317\SCI07_250317_44.wiff2_7
Last Altered: 3/18/2025 9:34:10 AM
Generated: 3/17/2025 4:15:11 PM

Semivolatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS09	Ical Ref	: ICAL22044
Calibration dates	: 03/03/25 14:41 03/03/25 15:53		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

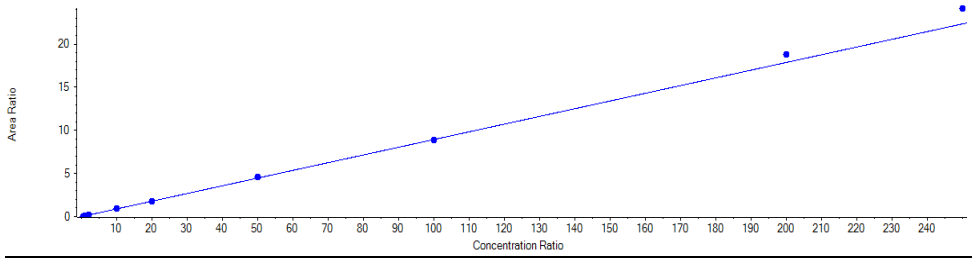
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250303.qmethod
Calibration	250303_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_250303_22.wiff2	IA1633STD-.1	3/3/2025 2:41:55 PM	0.59	1783000	61301	0.385	96.2	0.860	201	True	1.49
SCI09_250303_23.wiff2	IA1633STD-.2	3/3/2025 2:50:49 PM	0.59	1947000	127068	0.730	91.3	0.816	339	True	1.60
SCI09_250303_24.wiff2	IA1633STD-.5	3/3/2025 2:59:43 PM	0.60	1892000	314550	1.860	93.0	0.831	530	True	1.21
SCI09_250303_25.wiff2	IA1633STD-2.5	3/3/2025 3:08:38 PM	0.59	1734000	1665038	10.744	107.4	0.960	1595	True	1.25
SCI09_250303_26.wiff2	IA1633STD-5	3/3/2025 3:17:32 PM	0.60	1893000	3301288	19.512	97.6	0.872	2556	True	1.10
SCI09_250303_27.wiff2	IA1633STD-12.5	3/3/2025 3:26:25 PM	0.59	1539000	7000230	50.900	101.8	0.910	3394	True	1.55
SCI09_250303_28.wiff2	IA1633STD-25	3/3/2025 3:35:19 PM	0.59	1447000	12882735	99.592	99.6	0.890	5847	True	1.09
SCI09_250303_29.wiff2	IA1633STD-50	3/3/2025 3:44:11 PM	0.60	1281000	24068781	210.285	105.1	0.940	7485	True	1.50
SCI09_250303_30.wiff2	IA1633STD-62.5	3/3/2025 3:53:07 PM	0.60	1226000	29592587	269.999	108.0	0.965	5613	True	1.34

Analyte Name: PFBA
Regression Equation: Y = 0.894 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.005 Avg. RF = 0.894 RSD = 6.071 RSE = 6.071
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS09	Ical Ref	: ICAL22044
Calibration dates	: 03/03/25 14:41 03/03/25 15:53		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

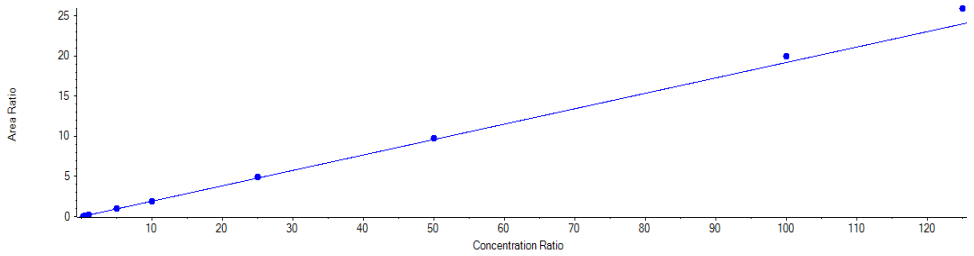
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250303.qmethod
Calibration	250303_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_250303_22.wiff2	IA1633STD-.1	3/3/2025 2:41:55 PM	1.18	768100	26916	0.183	91.3	0.876	318	True	0.84
SCI09_250303_23.wiff2	IA1633STD-.2	3/3/2025 2:50:49 PM	1.18	800800	56781	0.369	92.4	0.886	647	True	1.12
SCI09_250303_24.wiff2	IA1633STD-.5	3/3/2025 2:59:43 PM	1.19	779200	145153	0.970	97.1	0.931	1496	True	1.31
SCI09_250303_25.wiff2	IA1633STD-2.5	3/3/2025 3:08:38 PM	1.17	749300	749202	5.210	104.2	1.000	4025	True	1.17
SCI09_250303_26.wiff2	IA1633STD-5	3/3/2025 3:17:32 PM	1.19	815400	1536865	9.820	98.2	0.942	5414	True	1.23
SCI09_250303_27.wiff2	IA1633STD-12.5	3/3/2025 3:26:25 PM	1.18	686600	3385792	25.691	102.8	0.986	7844	True	1.43
SCI09_250303_28.wiff2	IA1633STD-25	3/3/2025 3:35:19 PM	1.18	685900	6731661	51.136	102.3	0.981	11860	True	1.13
SCI09_250303_29.wiff2	IA1633STD-50	3/3/2025 3:44:11 PM	1.19	660500	13165995	103.859	103.9	0.997	16423	True	1.17
SCI09_250303_30.wiff2	IA1633STD-62.5	3/3/2025 3:53:07 PM	1.19	629300	16309147	135.028	108.0	1.037	17981	True	1.14

Analyte Name: PFPeA
Regression Equation: Y = 0.960 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.011 Avg. RF = 0.960 RSD = 5.656 RSE = 5.656
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS09	Ical Ref	: ICAL22044
Calibration dates	: 03/03/25 14:41 03/03/25 15:53		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

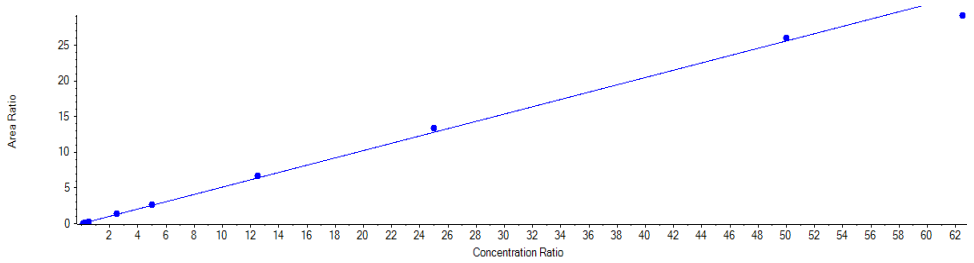
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250303.qmethod
Calibration	250303_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_250303_22.wiff2	IA1633STD-.1	3/3/2025 2:41:55 PM	1.92	341100	18390	0.105	105.3	1.348	243	True	1.31
SCI09_250303_23.wiff2	IA1633STD-.2	3/3/2025 2:50:49 PM	1.92	402500	36018	0.175	87.4	1.119	503	True	1.04
SCI09_250303_24.wiff2	IA1633STD-.5	3/3/2025 2:59:43 PM	1.93	359800	89541	0.486	97.2	1.244	1186	True	1.38
SCI09_250303_25.wiff2	IA1633STD-2.5	3/3/2025 3:08:38 PM	1.92	337900	452175	2.612	104.5	1.338	3564	True	0.98
SCI09_250303_26.wiff2	IA1633STD-5	3/3/2025 3:17:32 PM	1.93	373200	993215	5.196	103.9	1.331	8644	True	1.25
SCI09_250303_27.wiff2	IA1633STD-12.5	3/3/2025 3:26:25 PM	1.92	307600	2055627	13.046	104.4	1.337	10853	True	1.08
SCI09_250303_28.wiff2	IA1633STD-25	3/3/2025 3:35:19 PM	1.92	319800	4283855	26.153	104.6	1.340	7697	True	1.10
SCI09_250303_29.wiff2	IA1633STD-50	3/3/2025 3:44:11 PM	1.93	307400	8005794	50.842	101.7	1.302	30867	True	1.32
SCI09_250303_30.wiff2	IA1633STD-62.5	3/3/2025 3:53:07 PM	1.93	333700	9738902	56.977	91.2	1.167	10457	True	1.12

Analyte Name: PFHxA
Regression Equation: Y = 1.281 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.034 Avg. RF = 1.281 RSD = 6.636 RSE = 6.636
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS09	Ical Ref	: ICAL22044
Calibration dates	: 03/03/25 14:41 03/03/25 15:53		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

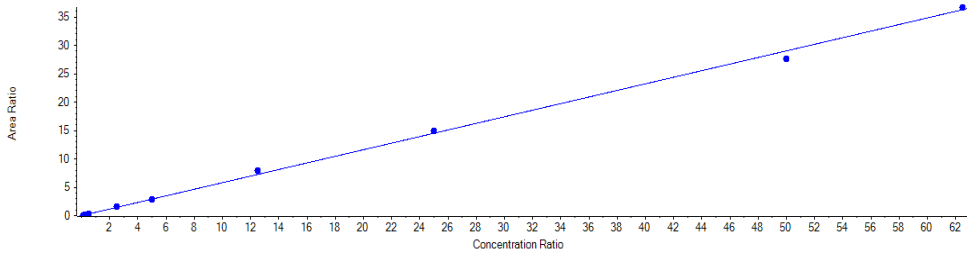
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250303.qmethod
Calibration	250303_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_250303_22.wiff2	IA1633STD-.1	3/3/2025 2:41:55 PM	2.50	334900	19125	0.098	98.4	1.428	232	True	1.53
SCI09_250303_23.wiff2	IA1633STD-.2	3/3/2025 2:50:49 PM	2.49	317100	34005	0.185	92.3	1.341	362	True	1.28
SCI09_250303_24.wiff2	IA1633STD-.5	3/3/2025 2:59:43 PM	2.51	370900	100230	0.465	93.1	1.351	1201	True	1.38
SCI09_250303_25.wiff2	IA1633STD-2.5	3/3/2025 3:08:38 PM	2.50	318100	510666	2.765	110.6	1.605	3759	True	1.20
SCI09_250303_26.wiff2	IA1633STD-5	3/3/2025 3:17:32 PM	2.50	383300	1081988	4.861	97.2	1.411	5443	True	1.13
SCI09_250303_27.wiff2	IA1633STD-12.5	3/3/2025 3:26:25 PM	2.49	284400	2271101	13.751	110.0	1.597	8675	True	1.15
SCI09_250303_28.wiff2	IA1633STD-25	3/3/2025 3:35:19 PM	2.49	310700	4615047	25.582	102.3	1.485	24341	True	1.10
SCI09_250303_29.wiff2	IA1633STD-50	3/3/2025 3:44:11 PM	2.51	335400	9253281	47.505	95.0	1.379	16136	True	1.07
SCI09_250303_30.wiff2	IA1633STD-62.5	3/3/2025 3:53:07 PM	2.50	318800	11695516	63.173	101.1	1.467	14609	True	1.04

Analyte Name: PFHpA
Regression Equation: Y = 1.452 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.039 Avg. RF = 1.452 RSD = 6.715 RSE = 6.715
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS09	Ical Ref	: ICAL22044
Calibration dates	: 03/03/25 14:41 03/03/25 15:53		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

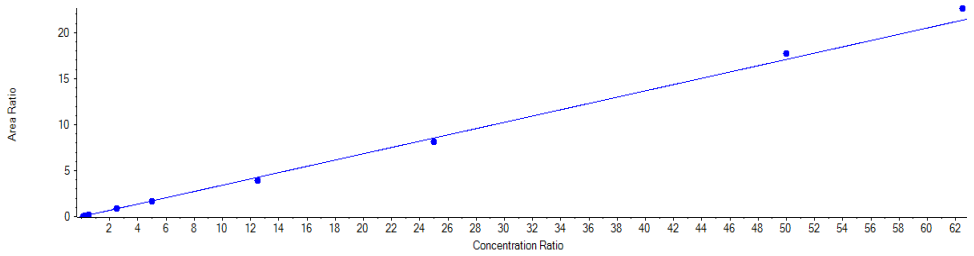
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250303.qmethod
Calibration	250303_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_250303_22.wiff2	IA1633STD-.1	3/3/2025 2:41:55 PM	2.99	586700	21875	0.109	109.1	0.932	109	True	0.17
SCI09_250303_23.wiff2	IA1633STD-.2	3/3/2025 2:50:49 PM	2.99	631600	43232	0.200	100.1	0.856	182	True	0.16
SCI09_250303_24.wiff2	IA1633STD-.5	3/3/2025 2:59:43 PM	3.00	656900	104430	0.465	93.0	0.795	304	True	0.15
SCI09_250303_25.wiff2	IA1633STD-2.5	3/3/2025 3:08:38 PM	2.99	590900	510178	2.525	101.0	0.863	671	True	0.15
SCI09_250303_26.wiff2	IA1633STD-5	3/3/2025 3:17:32 PM	2.99	619900	1059244	4.998	100.0	0.854	807	True	0.18
SCI09_250303_27.wiff2	IA1633STD-12.5	3/3/2025 3:26:25 PM	2.99	570400	2251933	11.547	92.4	0.790	833	True	0.17
SCI09_250303_28.wiff2	IA1633STD-25	3/3/2025 3:35:19 PM	2.98	573900	4650748	23.702	94.8	0.810	839	True	0.16
SCI09_250303_29.wiff2	IA1633STD-50	3/3/2025 3:44:11 PM	3.00	529000	9382514	51.876	103.8	0.887	835	True	0.17
SCI09_250303_30.wiff2	IA1633STD-62.5	3/3/2025 3:53:07 PM	2.99	539700	12214696	66.203	105.9	0.905	874	True	0.17

Analyte Name: PFOA
Regression Equation: Y = 0.855 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.020 Avg. RF = 0.855 RSD = 5.770 RSE = 5.770
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS09	Ical Ref	: ICAL22044
Calibration dates	: 03/03/25 14:41 03/03/25 15:53		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

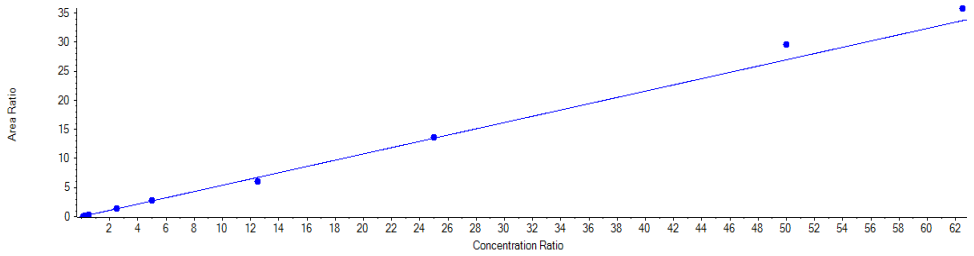
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250303.qmethod
Calibration	250303_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_250303_22.wiff2	IA1633STD-.1	3/3/2025 2:41:55 PM	3.43	243800	13249	0.101	100.7	0.679	81	True	0.16
SCI09_250303_23.wiff2	IA1633STD-.2	3/3/2025 2:50:49 PM	3.43	282300	27755	0.182	91.1	0.614	111	True	0.13
SCI09_250303_24.wiff2	IA1633STD-.5	3/3/2025 2:59:43 PM	3.44	273600	68495	0.464	92.8	0.626	267	True	0.16
SCI09_250303_25.wiff2	IA1633STD-2.5	3/3/2025 3:08:38 PM	3.43	251700	351968	2.592	103.7	0.699	616	True	0.14
SCI09_250303_26.wiff2	IA1633STD-5	3/3/2025 3:17:32 PM	3.44	267500	754244	5.227	104.5	0.705	782	True	0.17
SCI09_250303_27.wiff2	IA1633STD-12.5	3/3/2025 3:26:25 PM	3.43	269400	1644711	11.317	90.5	0.610	778	True	0.16
SCI09_250303_28.wiff2	IA1633STD-25	3/3/2025 3:35:19 PM	3.43	239900	3254324	25.146	100.6	0.678	802	True	0.17
SCI09_250303_29.wiff2	IA1633STD-50	3/3/2025 3:44:11 PM	3.44	234300	6937733	54.893	109.8	0.740	819	True	0.16
SCI09_250303_30.wiff2	IA1633STD-62.5	3/3/2025 3:53:07 PM	3.44	246800	8836404	66.367	106.2	0.716	908	True	0.16

Analyte Name: PFNA
Regression Equation: Y = 0.674 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.038 Avg. RF = 0.674 RSD = 6.972 RSE = 6.972
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS09	Ical Ref	: ICAL22044
Calibration dates	: 03/03/25 14:41 03/03/25 15:53		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

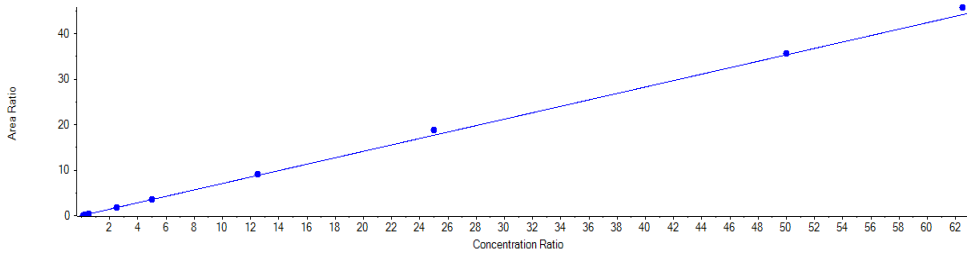
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250303.qmethod
Calibration	250303_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_250303_22.wiff2	IA1633STD-.1	3/3/2025 2:41:55 PM	3.85	293500	19483	0.094	93.9	0.830	213	True	1.28
SCI09_250303_23.wiff2	IA1633STD-.2	3/3/2025 2:50:49 PM	3.85	318300	39411	0.175	87.5	0.774	414	True	0.94
SCI09_250303_24.wiff2	IA1633STD-.5	3/3/2025 2:59:43 PM	3.86	305500	109021	0.505	100.9	0.892	1123	True	1.03
SCI09_250303_25.wiff2	IA1633STD-2.5	3/3/2025 3:08:38 PM	3.85	282500	506127	2.533	101.3	0.896	5081	True	1.34
SCI09_250303_26.wiff2	IA1633STD-5	3/3/2025 3:17:32 PM	3.86	303500	1098134	5.116	102.3	0.905	11005	True	1.33
SCI09_250303_27.wiff2	IA1633STD-12.5	3/3/2025 3:26:25 PM	3.85	261700	2393212	12.928	103.4	0.914	25084	True	1.01
SCI09_250303_28.wiff2	IA1633STD-25	3/3/2025 3:35:19 PM	3.85	260500	4900144	26.597	106.4	0.941	50712	True	1.19
SCI09_250303_29.wiff2	IA1633STD-50	3/3/2025 3:44:11 PM	3.87	273800	9749585	50.343	100.7	0.890	97540	True	1.16
SCI09_250303_30.wiff2	IA1633STD-62.5	3/3/2025 3:53:07 PM	3.86	253600	11610738	64.733	103.6	0.916	108690	True	1.22

Analyte Name: PFDA
Regression Equation: Y = 0.884 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.041 Avg. RF = 0.884 RSD = 5.775 RSE = 5.775
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS09	Ical Ref	: ICAL22044
Calibration dates	: 03/03/25 14:41 03/03/25 15:53		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

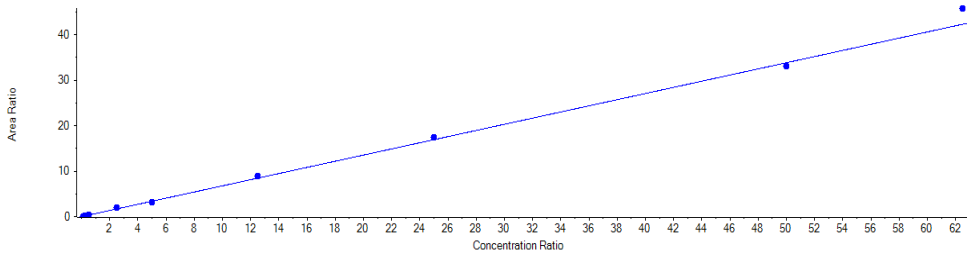
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250303.qmethod
Calibration	250303_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_250303_22.wiff2	IA1633STD-.1	3/3/2025 2:41:55 PM	4.26	341800	20821	0.090	89.9	0.762	227	True	1.04
SCI09_250303_23.wiff2	IA1633STD-.2	3/3/2025 2:50:49 PM	4.26	348400	43471	0.184	92.1	0.780	522	True	0.95
SCI09_250303_24.wiff2	IA1633STD-.5	3/3/2025 2:59:43 PM	4.26	345900	112775	0.481	96.3	0.815	1269	True	1.04
SCI09_250303_25.wiff2	IA1633STD-2.5	3/3/2025 3:08:38 PM	4.26	311100	586262	2.782	111.3	0.942	6865	True	1.22
SCI09_250303_26.wiff2	IA1633STD-5	3/3/2025 3:17:32 PM	4.26	344600	1126033	4.824	96.5	0.817	13090	True	0.93
SCI09_250303_27.wiff2	IA1633STD-12.5	3/3/2025 3:26:25 PM	4.25	299000	2646158	13.066	104.5	0.885	31128	True	0.85
SCI09_250303_28.wiff2	IA1633STD-25	3/3/2025 3:35:19 PM	4.25	282200	4930660	25.798	103.2	0.874	57705	True	0.98
SCI09_250303_29.wiff2	IA1633STD-50	3/3/2025 3:44:11 PM	4.27	279400	9277433	49.015	98.0	0.830	23879	True	1.09
SCI09_250303_30.wiff2	IA1633STD-62.5	3/3/2025 3:53:07 PM	4.26	270200	12375537	67.627	108.2	0.916	30023	True	1.07

Analyte Name: PFUnA
Regression Equation: Y = 0.847 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.049 Avg. RF = 0.847 RSD = 7.238 RSE = 7.238
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS09	Ical Ref	: ICAL22044
Calibration dates	: 03/03/25 14:41 03/03/25 15:53		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

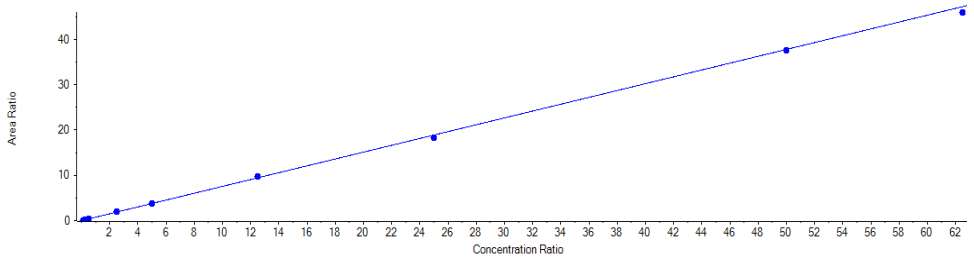
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250303.qmethod
Calibration	250303_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_250303_22.wiff2	IA1633STD-.1	3/3/2025 2:41:55 PM	4.65	312100	24385	0.103	103.3	0.977	357	True	0.91
SCI09_250303_23.wiff2	IA1633STD-.2	3/3/2025 2:50:49 PM	4.65	322700	44569	0.183	91.3	0.863	651	True	1.10
SCI09_250303_24.wiff2	IA1633STD-.5	3/3/2025 2:59:43 PM	4.65	329000	124129	0.499	99.8	0.943	1779	True	0.94
SCI09_250303_25.wiff2	IA1633STD-2.5	3/3/2025 3:08:38 PM	4.65	307100	635053	2.736	109.4	1.034	9035	True	0.99
SCI09_250303_26.wiff2	IA1633STD-5	3/3/2025 3:17:32 PM	4.65	339900	1285277	5.002	100.1	0.945	14388	True	1.25
SCI09_250303_27.wiff2	IA1633STD-12.5	3/3/2025 3:26:25 PM	4.64	300000	2898158	12.778	102.2	0.966	19055	True	1.06
SCI09_250303_28.wiff2	IA1633STD-25	3/3/2025 3:35:19 PM	4.64	313900	5751338	24.239	97.0	0.916	25360	True	1.23
SCI09_250303_29.wiff2	IA1633STD-50	3/3/2025 3:44:11 PM	4.66	301000	11328963	49.791	99.6	0.941	51154	True	1.12
SCI09_250303_30.wiff2	IA1633STD-62.5	3/3/2025 3:53:07 PM	4.65	305900	14057412	60.792	97.3	0.919	189932	True	1.12

Analyte Name: PFDoA
Regression Equation: Y = 0.945 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.038 Avg. RF = 0.945 RSD = 4.962 RSE = 4.962
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS09	Ical Ref	: ICAL22044
Calibration dates	: 03/03/25 14:41 03/03/25 15:53		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

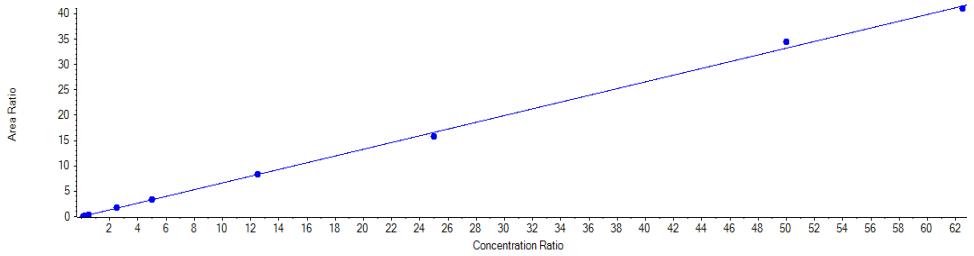
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250303.qmethod
Calibration	250303_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_250303_22.wiff2	IA1633STD-.1	3/3/2025 2:41:55 PM	5.03	312100	19883	0.096	95.9	0.796	369	True	0.97
SCI09_250303_23.wiff2	IA1633STD-.2	3/3/2025 2:50:49 PM	5.02	322700	40928	0.191	95.5	0.793	806	True	1.17
SCI09_250303_24.wiff2	IA1633STD-.5	3/3/2025 2:59:43 PM	5.04	329000	107187	0.491	98.1	0.814	1986	True	1.00
SCI09_250303_25.wiff2	IA1633STD-2.5	3/3/2025 3:08:38 PM	5.03	307100	565040	2.771	110.8	0.920	10830	True	1.15
SCI09_250303_26.wiff2	IA1633STD-5	3/3/2025 3:17:32 PM	5.03	339900	1143113	5.064	101.3	0.841	21144	True	1.30
SCI09_250303_27.wiff2	IA1633STD-12.5	3/3/2025 3:26:25 PM	5.02	300000	2502695	12.561	100.5	0.834	11020	True	0.88
SCI09_250303_28.wiff2	IA1633STD-25	3/3/2025 3:35:19 PM	5.02	313900	4971702	23.851	95.4	0.792	26308	True	0.90
SCI09_250303_29.wiff2	IA1633STD-50	3/3/2025 3:44:11 PM	5.04	301000	10358401	51.821	103.6	0.860	35069	True	1.08
SCI09_250303_30.wiff2	IA1633STD-62.5	3/3/2025 3:53:07 PM	5.03	305900	12552333	61.790	98.9	0.821	24769	True	1.16

Analyte Name: PFTrDA
Regression Equation: Y = 0.830 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.033 Avg. RF = 0.830 RSD = 4.944 RSE = 4.944
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS09	Ical Ref	: ICAL22044
Calibration dates	: 03/03/25 14:41 03/03/25 15:53		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

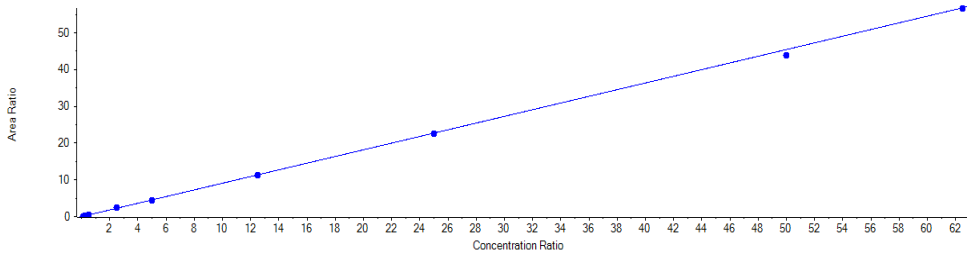
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250303.qmethod
Calibration	250303_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_250303_22.wiff2	IA1633STD-.1	3/3/2025 2:41:55 PM	5.39	200800	16734	0.092	91.7	1.042	447	True	0.82
SCI09_250303_23.wiff2	IA1633STD-.2	3/3/2025 2:50:49 PM	5.40	209300	39104	0.205	102.7	1.168	1118	True	1.08
SCI09_250303_24.wiff2	IA1633STD-.5	3/3/2025 2:59:43 PM	5.40	208500	97120	0.512	102.5	1.165	2732	True	1.25
SCI09_250303_25.wiff2	IA1633STD-2.5	3/3/2025 3:08:38 PM	5.40	195400	482581	2.717	108.7	1.235	3421	True	1.11
SCI09_250303_26.wiff2	IA1633STD-5	3/3/2025 3:17:32 PM	5.40	227900	1015779	4.903	98.1	1.115	9919	True	1.01
SCI09_250303_27.wiff2	IA1633STD-12.5	3/3/2025 3:26:25 PM	5.39	185600	2116245	12.538	100.3	1.140	7482	True	0.85
SCI09_250303_28.wiff2	IA1633STD-25	3/3/2025 3:35:19 PM	5.39	197400	4474053	24.931	99.7	1.133	13495	True	1.25
SCI09_250303_29.wiff2	IA1633STD-50	3/3/2025 3:44:11 PM	5.41	209000	9185109	48.341	96.7	1.099	12757	True	0.84
SCI09_250303_30.wiff2	IA1633STD-62.5	3/3/2025 3:53:07 PM	5.40	201100	11389632	62.294	99.7	1.133	11542	True	0.97

Analyte Name: PFTeDA
Regression Equation: Y = 1.136 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.042 Avg. RF = 1.136 RSD = 4.655 RSE = 4.655
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS09	Ical Ref	: ICAL22044
Calibration dates	: 03/03/25 14:41 03/03/25 15:53		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

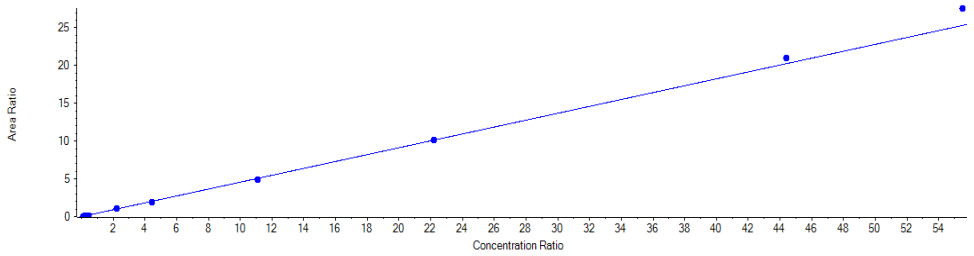
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250303.qmethod
Calibration	250303_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_250303_22.wiff2	IA1633STD-.1	3/3/2025 2:41:55 PM	1.92	358800	15126	0.092	103.9	1.104	184	True	1.14
SCI09_250303_23.wiff2	IA1633STD-.2	3/3/2025 2:50:49 PM	1.92	374600	28184	0.165	92.7	0.985	338	True	0.95
SCI09_250303_24.wiff2	IA1633STD-.5	3/3/2025 2:59:43 PM	1.93	400500	71222	0.390	87.8	0.933	807	True	1.09
SCI09_250303_25.wiff2	IA1633STD-2.5	3/3/2025 3:08:38 PM	1.92	337300	375073	2.439	109.9	1.167	2212	True	1.37
SCI09_250303_26.wiff2	IA1633STD-5	3/3/2025 3:17:32 PM	1.93	383300	743303	4.253	95.8	1.018	2670	True	1.12
SCI09_250303_27.wiff2	IA1633STD-12.5	3/3/2025 3:26:25 PM	1.92	337100	1652384	10.752	96.9	1.029	5427	True	0.99
SCI09_250303_28.wiff2	IA1633STD-25	3/3/2025 3:35:19 PM	1.92	336600	3430735	22.354	100.7	1.070	6765	True	0.98
SCI09_250303_29.wiff2	IA1633STD-50	3/3/2025 3:44:11 PM	1.93	307600	6442266	45.942	103.5	1.099	5415	True	1.11
SCI09_250303_30.wiff2	IA1633STD-62.5	3/3/2025 3:53:07 PM	1.92	288900	7957403	60.419	108.9	1.156	6795	True	0.95

Analyte Name: PFBS
Regression Equation: Y = 1.062 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.034 Avg. RF = 1.062 RSD = 7.351 RSE = 7.351
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS09	Ical Ref	: ICAL22044
Calibration dates	: 03/03/25 14:41 03/03/25 15:53		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

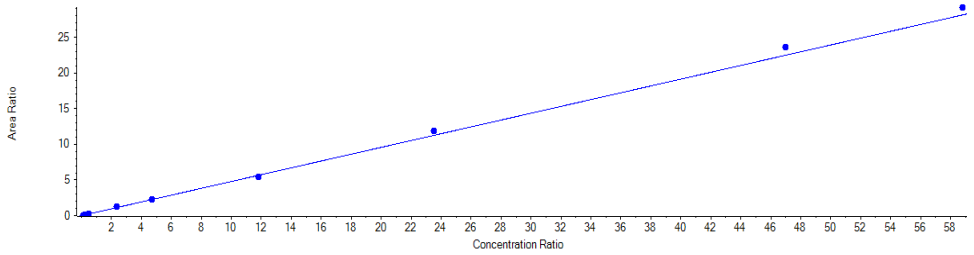
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250303.qmethod
Calibration	250303_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_250303_22.wiff2	IA1633STD-.1	3/3/2025 2:41:55 PM	2.56	337200	12916	0.080	85.2	0.966	141	True	1.35
SCI09_250303_23.wiff2	IA1633STD-.2	3/3/2025 2:50:49 PM	2.56	326800	28269	0.181	96.2	1.090	310	True	1.03
SCI09_250303_24.wiff2	IA1633STD-.5	3/3/2025 2:59:43 PM	2.57	318800	71445	0.468	99.6	1.130	808	True	1.04
SCI09_250303_25.wiff2	IA1633STD-2.5	3/3/2025 3:08:38 PM	2.56	305000	376998	2.583	109.9	1.247	2993	True	1.07
SCI09_250303_26.wiff2	IA1633STD-5	3/3/2025 3:17:32 PM	2.57	341500	763378	4.671	99.4	1.127	4626	True	1.25
SCI09_250303_27.wiff2	IA1633STD-12.5	3/3/2025 3:26:25 PM	2.56	310400	1674196	11.271	95.5	1.083	5108	True	0.99
SCI09_250303_28.wiff2	IA1633STD-25	3/3/2025 3:35:19 PM	2.56	294900	3500458	24.807	105.6	1.197	7261	True	1.00
SCI09_250303_29.wiff2	IA1633STD-50	3/3/2025 3:44:11 PM	2.57	300900	7099834	49.314	104.9	1.190	7981	True	1.19
SCI09_250303_30.wiff2	IA1633STD-62.5	3/3/2025 3:53:07 PM	2.56	287300	8382252	60.984	103.7	1.176	88545	True	1.12

Analyte Name: PFPeS
Regression Equation: Y = 1.134 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.035 Avg. RF = 1.134 RSD = 7.273 RSE = 7.273
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS09	Ical Ref	: ICAL22044
Calibration dates	: 03/03/25 14:41 03/03/25 15:53		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

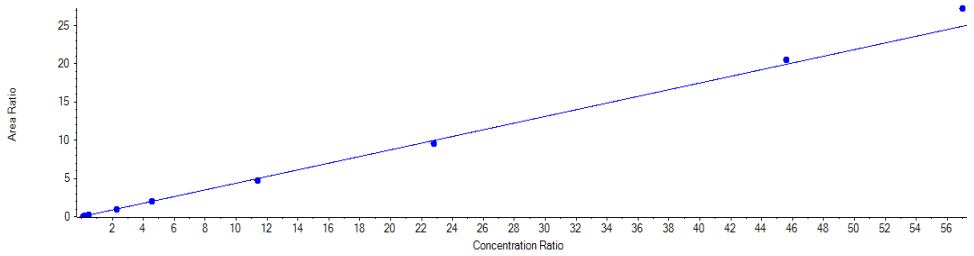
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250303.qmethod
Calibration	250303_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_250303_22.wiff2	IA1633STD-.1	3/3/2025 2:41:55 PM	3.09	337200	14015	0.095	104.5	1.082	142	True	0.22
SCI09_250303_23.wiff2	IA1633STD-.2	3/3/2025 2:50:49 PM	3.09	326800	26461	0.185	101.8	1.054	281	True	0.20
SCI09_250303_24.wiff2	IA1633STD-.5	3/3/2025 2:59:43 PM	3.10	318800	58304	0.418	91.8	0.950	541	True	0.24
SCI09_250303_25.wiff2	IA1633STD-2.5	3/3/2025 3:08:38 PM	3.09	305000	305154	2.290	100.4	1.040	971	True	0.18
SCI09_250303_26.wiff2	IA1633STD-5	3/3/2025 3:17:32 PM	3.10	341500	666792	4.468	98.0	1.015	1292	True	0.20
SCI09_250303_27.wiff2	IA1633STD-12.5	3/3/2025 3:26:25 PM	3.09	310400	1468749	10.827	95.0	0.984	1220	True	0.18
SCI09_250303_28.wiff2	IA1633STD-25	3/3/2025 3:35:19 PM	3.09	294900	2820486	21.887	96.0	0.994	1172	True	0.18
SCI09_250303_29.wiff2	IA1633STD-50	3/3/2025 3:44:11 PM	3.10	300900	6188572	47.066	103.2	1.069	1374	True	0.19
SCI09_250303_30.wiff2	IA1633STD-62.5	3/3/2025 3:53:07 PM	3.10	287300	7822638	62.317	109.3	1.132	1154	True	0.20

Analyte Name: PFHxS
Regression Equation: Y = 1.036 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.024 Avg. RF = 1.036 RSD = 5.411 RSE = 5.411
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS09	Ical Ref	: ICAL22044
Calibration dates	: 03/03/25 14:41 03/03/25 15:53		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

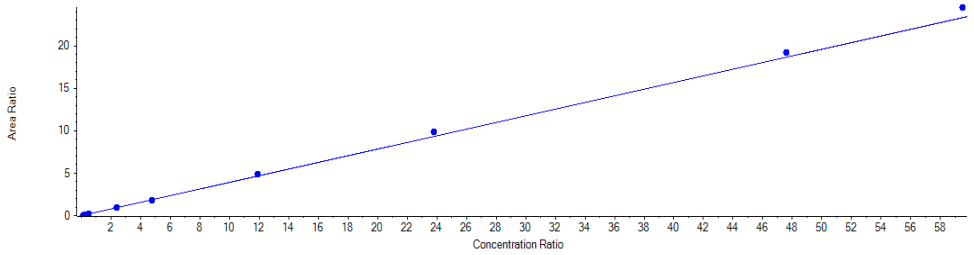
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250303.qmethod
Calibration	250303_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_250303_22.wiff2	IA1633STD-.1	3/3/2025 2:41:55 PM	3.56	369000	12571	0.087	91.5	0.861	133	True	1.13
SCI09_250303_23.wiff2	IA1633STD-.2	3/3/2025 2:50:49 PM	3.57	373100	25660	0.176	92.4	0.869	276	True	1.18
SCI09_250303_24.wiff2	IA1633STD-.5	3/3/2025 2:59:43 PM	3.57	351800	63766	0.463	97.2	0.914	682	True	1.33
SCI09_250303_25.wiff2	IA1633STD-2.5	3/3/2025 3:08:38 PM	3.56	335500	319049	2.426	101.9	0.959	3475	True	0.93
SCI09_250303_26.wiff2	IA1633STD-5	3/3/2025 3:17:32 PM	3.57	376000	684345	4.644	97.6	0.918	7425	True	0.92
SCI09_250303_27.wiff2	IA1633STD-12.5	3/3/2025 3:26:25 PM	3.56	319000	1564690	12.517	105.2	0.989	6243	True	1.05
SCI09_250303_28.wiff2	IA1633STD-25	3/3/2025 3:35:19 PM	3.56	317900	3139370	25.199	105.9	0.996	7089	True	1.13
SCI09_250303_29.wiff2	IA1633STD-50	3/3/2025 3:44:11 PM	3.58	334800	6448557	49.150	103.3	0.971	12200	True	0.85
SCI09_250303_30.wiff2	IA1633STD-62.5	3/3/2025 3:53:07 PM	3.57	318900	7818754	62.558	105.1	0.989	9181	True	0.89

Analyte Name: PFHpS
Regression Equation: Y = 0.941 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.022 Avg. RF = 0.941 RSD = 5.551 RSE = 5.551
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS09	Ical Ref	: ICAL22044
Calibration dates	: 03/03/25 14:41 03/03/25 15:53		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

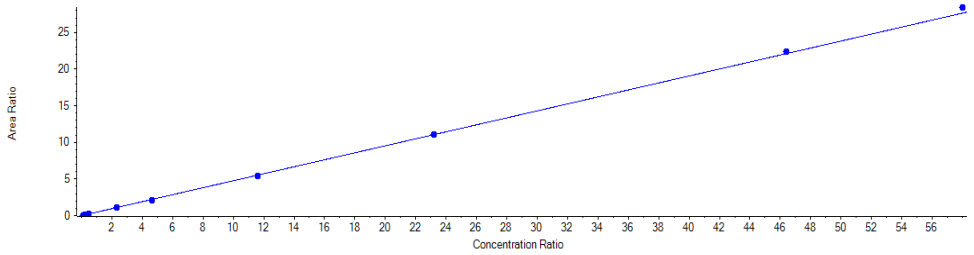
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250303.qmethod
Calibration	250303_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_250303_22.wiff2	IA1633STD-.1	3/3/2025 2:41:55 PM	4.00	369000	18519	0.105	113.2	1.295	84	True	0.16
SCI09_250303_23.wiff2	IA1633STD-.2	3/3/2025 2:50:49 PM	4.00	373100	31827	0.179	96.2	1.101	251	True	0.14
SCI09_250303_24.wiff2	IA1633STD-.5	3/3/2025 2:59:43 PM	4.01	351800	74213	0.443	95.4	1.091	292	True	0.16
SCI09_250303_25.wiff2	IA1633STD-2.5	3/3/2025 3:08:38 PM	4.00	335500	364503	2.279	98.2	1.124	531	True	0.17
SCI09_250303_26.wiff2	IA1633STD-5	3/3/2025 3:17:32 PM	4.01	376000	789631	4.406	95.0	1.086	525	True	0.14
SCI09_250303_27.wiff2	IA1633STD-12.5	3/3/2025 3:26:25 PM	4.00	319000	1724874	11.344	97.8	1.119	593	True	0.15
SCI09_250303_28.wiff2	IA1633STD-25	3/3/2025 3:35:19 PM	4.00	317900	3530703	23.299	100.4	1.149	630	True	0.16
SCI09_250303_29.wiff2	IA1633STD-50	3/3/2025 3:44:11 PM	4.01	334800	7481587	46.880	101.0	1.156	633	True	0.17
SCI09_250303_30.wiff2	IA1633STD-62.5	3/3/2025 3:53:07 PM	4.01	318900	9063220	59.616	102.8	1.176	599	True	0.17

Analyte Name: PFOS
Regression Equation: Y = 1.144 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.027 Avg. RF = 1.144 RSD = 5.622 RSE = 5.622
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS09	Ical Ref	: ICAL22044
Calibration dates	: 03/03/25 14:41 03/03/25 15:53		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

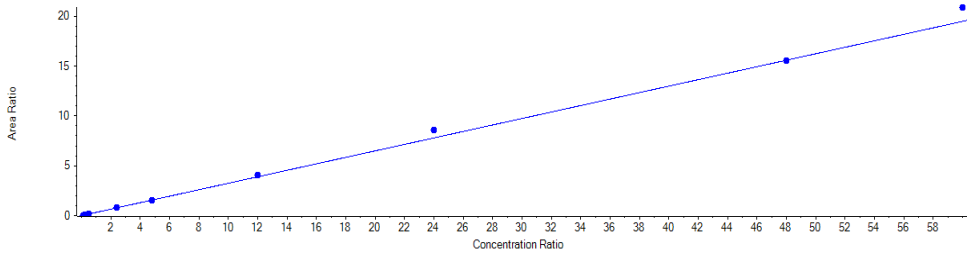
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250303.qmethod
Calibration	250303_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_250303_22.wiff2	IA1633STD-.1	3/3/2025 2:41:55 PM	4.41	369000	9312	0.078	81.0	0.631	121	True	0.84
SCI09_250303_23.wiff2	IA1633STD-.2	3/3/2025 2:50:49 PM	4.41	373100	21727	0.179	93.5	0.728	278	True	1.21
SCI09_250303_24.wiff2	IA1633STD-.5	3/3/2025 2:59:43 PM	4.42	351800	55507	0.486	101.3	0.789	732	True	0.94
SCI09_250303_25.wiff2	IA1633STD-2.5	3/3/2025 3:08:38 PM	4.41	335500	279311	2.565	106.9	0.832	3270	True	1.06
SCI09_250303_26.wiff2	IA1633STD-5	3/3/2025 3:17:32 PM	4.42	376000	568907	4.662	97.1	0.757	7426	True	0.84
SCI09_250303_27.wiff2	IA1633STD-12.5	3/3/2025 3:26:25 PM	4.41	319000	1286807	12.429	103.6	0.807	7699	True	1.23
SCI09_250303_28.wiff2	IA1633STD-25	3/3/2025 3:35:19 PM	4.41	317900	2718126	26.345	109.8	0.855	6700	True	0.91
SCI09_250303_29.wiff2	IA1633STD-50	3/3/2025 3:44:11 PM	4.43	334800	5205066	47.903	99.8	0.777	64649	True	1.09
SCI09_250303_30.wiff2	IA1633STD-62.5	3/3/2025 3:53:07 PM	4.42	318900	6654625	64.290	107.2	0.835	7089	True	1.13

Analyte Name: PFNS
Regression Equation: Y = 0.779 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.029 Avg. RF = 0.779 RSD = 8.806 RSE = 8.806
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS09	Ical Ref	: ICAL22044
Calibration dates	: 03/03/25 14:41 03/03/25 15:53		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

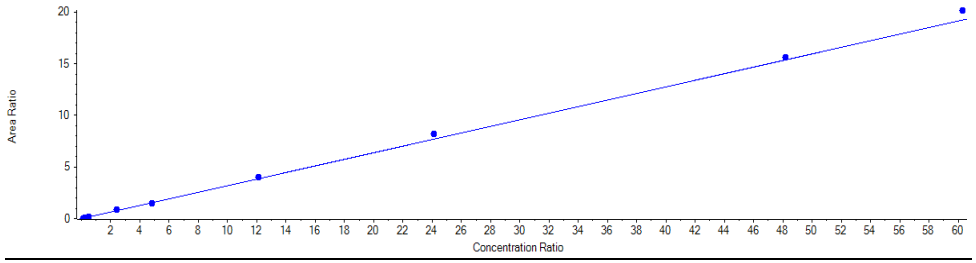
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250303.qmethod
Calibration	250303_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_250303_22.wiff2	IA1633STD-.1	3/3/2025 2:41:55 PM	4.81	369000	10126	0.086	89.7	0.686	175	True	0.82
SCI09_250303_23.wiff2	IA1633STD-.2	3/3/2025 2:50:49 PM	4.81	373100	19910	0.167	86.7	0.664	378	True	0.92
SCI09_250303_24.wiff2	IA1633STD-.5	3/3/2025 2:59:43 PM	4.82	351800	54400	0.485	100.6	0.770	969	True	1.12
SCI09_250303_25.wiff2	IA1633STD-2.5	3/3/2025 3:08:38 PM	4.81	335500	281780	2.633	109.3	0.836	5121	True	0.88
SCI09_250303_26.wiff2	IA1633STD-5	3/3/2025 3:17:32 PM	4.82	376000	567545	4.734	98.2	0.752	5534	True	1.08
SCI09_250303_27.wiff2	IA1633STD-12.5	3/3/2025 3:26:25 PM	4.80	319000	1268050	12.467	103.0	0.789	23159	True	0.93
SCI09_250303_28.wiff2	IA1633STD-25	3/3/2025 3:35:19 PM	4.80	317900	2594683	25.598	106.2	0.813	46801	True	1.05
SCI09_250303_29.wiff2	IA1633STD-50	3/3/2025 3:44:11 PM	4.82	334800	5221579	48.915	101.5	0.777	92232	True	0.95
SCI09_250303_30.wiff2	IA1633STD-62.5	3/3/2025 3:53:07 PM	4.81	318900	6425873	63.191	104.8	0.802	111590	True	0.96

Analyte Name: PFDS
Regression Equation: Y = 0.765 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.024 Avg. RF = 0.765 RSD = 7.468 RSE = 7.468
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS09	Ical Ref	: ICAL22044
Calibration dates	: 03/03/25 14:41 03/03/25 15:53		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

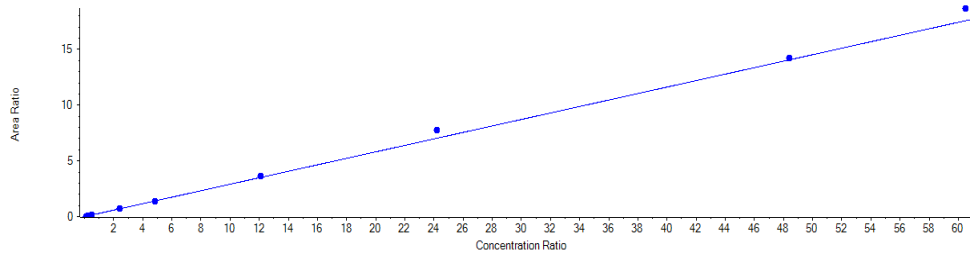
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250303.qmethod
Calibration	250303_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_250303_22.wiff2	IA1633STD-.1	3/3/2025 2:41:55 PM	5.55	369000	8920	0.083	85.8	0.598	311	True	0.78
SCI09_250303_23.wiff2	IA1633STD-.2	3/3/2025 2:50:49 PM	5.55	373100	19036	0.176	90.5	0.631	637	True	1.17
SCI09_250303_24.wiff2	IA1633STD-.5	3/3/2025 2:59:43 PM	5.56	351800	48558	0.475	98.2	0.684	1628	True	0.72
SCI09_250303_25.wiff2	IA1633STD-2.5	3/3/2025 3:08:38 PM	5.55	335500	250510	2.570	106.2	0.740	4771	True	1.25
SCI09_250303_26.wiff2	IA1633STD-5	3/3/2025 3:17:32 PM	5.56	376000	520719	4.767	98.5	0.687	7819	True	1.00
SCI09_250303_27.wiff2	IA1633STD-12.5	3/3/2025 3:26:25 PM	5.55	319000	1153280	12.445	102.9	0.717	16086	True	1.00
SCI09_250303_28.wiff2	IA1633STD-25	3/3/2025 3:35:19 PM	5.55	317900	2467934	26.723	110.4	0.770	34441	True	0.89
SCI09_250303_29.wiff2	IA1633STD-50	3/3/2025 3:44:11 PM	5.56	334800	4770330	49.048	101.3	0.707	25340	True	0.88
SCI09_250303_30.wiff2	IA1633STD-62.5	3/3/2025 3:53:07 PM	5.56	318900	5954134	64.265	106.2	0.741	22934	True	0.96

Analyte Name: PFDoS
Regression Equation: Y = 0.697 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.023 Avg. RF = 0.697 RSD = 7.850 RSE = 7.850
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS09	Ical Ref	: ICAL22044
Calibration dates	: 03/03/25 14:41 03/03/25 15:53		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

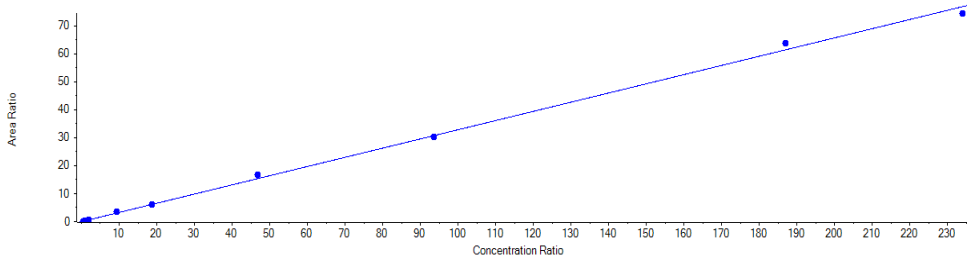
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250303.qmethod
Calibration	250303_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_250303_22.wiff2	IA1633STD-.1	3/3/2025 2:41:55 PM	1.71	101000	10859	0.328	87.3	1.344	210	True	0.98
SCI09_250303_23.wiff2	IA1633STD-.2	3/3/2025 2:50:49 PM	1.71	102700	24433	0.725	96.7	1.488	487	True	1.15
SCI09_250303_24.wiff2	IA1633STD-.5	3/3/2025 2:59:43 PM	1.72	102800	60344	1.788	95.6	1.472	1174	True	1.21
SCI09_250303_25.wiff2	IA1633STD-2.5	3/3/2025 3:08:38 PM	1.71	97210	331902	10.404	111.0	1.709	6496	True	1.00
SCI09_250303_26.wiff2	IA1633STD-5	3/3/2025 3:17:32 PM	1.72	106800	667760	19.061	101.9	1.569	13346	True	1.20
SCI09_250303_27.wiff2	IA1633STD-12.5	3/3/2025 3:26:25 PM	1.71	93290	1557181	50.865	108.5	1.669	30838	True	1.16
SCI09_250303_28.wiff2	IA1633STD-25	3/3/2025 3:35:19 PM	1.71	105200	3184094	92.227	98.4	1.515	62748	True	1.13
SCI09_250303_29.wiff2	IA1633STD-50	3/3/2025 3:44:11 PM	1.73	104700	6660449	193.838	103.7	1.595	7948	True	1.11
SCI09_250303_30.wiff2	IA1633STD-62.5	3/3/2025 3:53:07 PM	1.72	110900	8244658	226.547	96.8	1.490	160505	True	1.06

Analyte Name: 4:2FTS
Regression Equation: Y = 1.539 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.024 Avg. RF = 1.539 RSD = 7.186 RSE = 7.186
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS09	Ical Ref	: ICAL22044
Calibration dates	: 03/03/25 14:41 03/03/25 15:53		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

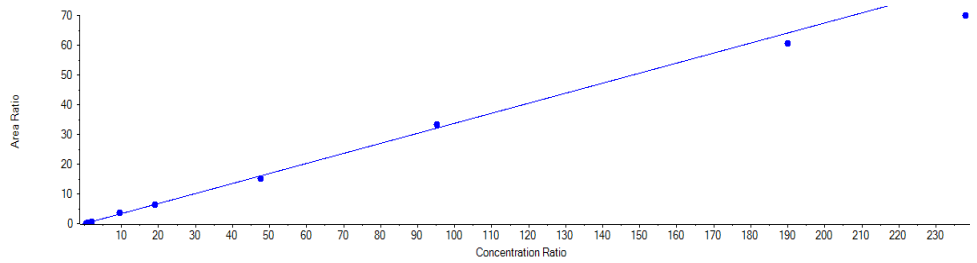
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250303.qmethod
Calibration	250303_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_250303_22.wiff2	IA1633STD-.1	3/3/2025 2:41:55 PM	2.80	84760	10691	0.373	98.2	1.580	97	True	1.23
SCI09_250303_23.wiff2	IA1633STD-.2	3/3/2025 2:50:49 PM	2.80	87050	23022	0.783	102.8	1.654	286	True	1.29
SCI09_250303_24.wiff2	IA1633STD-.5	3/3/2025 2:59:43 PM	2.81	84550	56508	1.978	104.1	1.674	641	True	1.13
SCI09_250303_25.wiff2	IA1633STD-2.5	3/3/2025 3:08:38 PM	2.80	80790	303189	11.105	116.8	1.878	3053	True	1.20
SCI09_250303_26.wiff2	IA1633STD-5	3/3/2025 3:17:32 PM	2.81	98260	613808	18.486	97.3	1.565	7020	True	0.89
SCI09_250303_27.wiff2	IA1633STD-12.5	3/3/2025 3:26:25 PM	2.80	86620	1324969	45.265	95.1	1.530	5350	True	1.16
SCI09_250303_28.wiff2	IA1633STD-25	3/3/2025 3:35:19 PM	2.80	87390	2925605	99.064	104.2	1.676	6292	True	1.09
SCI09_250303_29.wiff2	IA1633STD-50	3/3/2025 3:44:11 PM	2.81	98170	5948441	179.300	94.4	1.518	69345	True	1.33
SCI09_250303_30.wiff2	IA1633STD-62.5	3/3/2025 3:53:07 PM	2.81	101700	7131070	207.429	87.2	1.402	7253	True	1.21

Analyte Name: 6:2FTS
Regression Equation: Y = 1.609 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.028 Avg. RF = 1.609 RSD = 8.326 RSE = 8.326
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS09	Ical Ref	: ICAL22044
Calibration dates	: 03/03/25 14:41 03/03/25 15:53		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

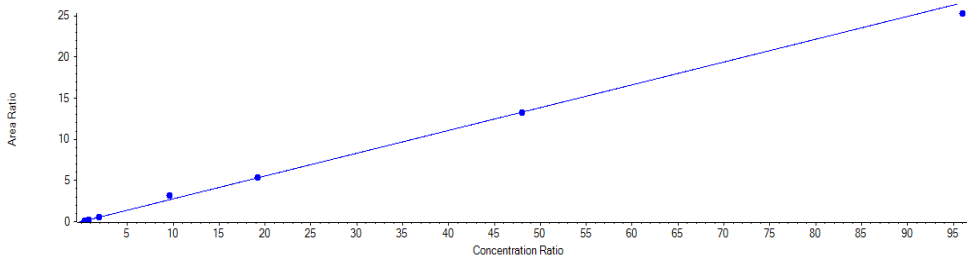
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250303.qmethod
Calibration	250303_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_250303_22.wiff2	IA1633STD-.1	3/3/2025 2:41:55 PM	3.67	73780	7732	0.378	98.4	1.310	103	True	1.12
SCI09_250303_23.wiff2	IA1633STD-.2	3/3/2025 2:50:49 PM	3.67	95340	16762	0.634	82.6	1.099	185	True	1.40
SCI09_250303_24.wiff2	IA1633STD-.5	3/3/2025 2:59:43 PM	3.68	90240	49749	1.989	103.6	1.378	559	True	0.88
SCI09_250303_25.wiff2	IA1633STD-2.5	3/3/2025 3:08:38 PM	3.67	76510	245593	11.579	120.6	1.605	2776	True	1.23
SCI09_250303_26.wiff2	IA1633STD-5	3/3/2025 3:17:32 PM	3.67	95060	505170	19.170	99.9	1.329	5674	True	1.39
SCI09_250303_27.wiff2	IA1633STD-12.5	3/3/2025 3:26:25 PM	3.66	81900	1088274	47.930	99.9	1.329	6069	True	0.92
SCI09_250303_28.wiff2	IA1633STD-25	3/3/2025 3:35:19 PM	3.66	93680	2370696	91.288	95.1	1.265	7718	True	1.01
SCI09_250303_29.wiff2	IA1633STD-50	3/3/2025 3:44:11 PM	N/A	109700	N/A	N/A	N/A	N/A	N/A	False	N/A
SCI09_250303_30.wiff2	IA1633STD-62.5	3/3/2025 3:53:07 PM	N/A	103400	N/A	N/A	N/A	N/A	N/A	False	N/A

Analyte Name: 8:2FTS
Regression Equation: Y = 1.331 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.031 Avg. RF = 1.331 RSD = 11.312 RSE = 11.312
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS09	Ical Ref	: ICAL22044
Calibration dates	: 03/03/25 14:41 03/03/25 15:53		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

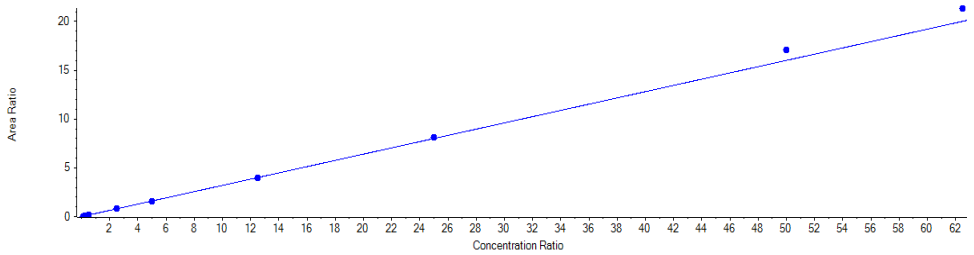
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250303.qmethod
Calibration	250303_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_250303_22.wiff2	IA1633STD-.1	3/3/2025 2:41:55 PM	5.23	566100	17024	0.094	93.9	0.752	270	True	0.19
SCI09_250303_23.wiff2	IA1633STD-.2	3/3/2025 2:50:49 PM	5.23	603800	36171	0.187	93.5	0.749	391	True	0.17
SCI09_250303_24.wiff2	IA1633STD-.5	3/3/2025 2:59:43 PM	5.25	604500	92361	0.477	95.4	0.764	381	True	0.19
SCI09_250303_25.wiff2	IA1633STD-2.5	3/3/2025 3:08:38 PM	5.24	547500	453787	2.588	103.5	0.829	370	True	0.17
SCI09_250303_26.wiff2	IA1633STD-5	3/3/2025 3:17:32 PM	5.24	606000	956494	4.928	98.6	0.789	352	True	0.18
SCI09_250303_27.wiff2	IA1633STD-12.5	3/3/2025 3:26:25 PM	5.23	534000	2139399	12.508	100.1	0.801	353	True	0.16
SCI09_250303_28.wiff2	IA1633STD-25	3/3/2025 3:35:19 PM	5.23	553200	4520171	25.508	102.0	0.817	385	True	0.15
SCI09_250303_29.wiff2	IA1633STD-50	3/3/2025 3:44:11 PM	5.25	560100	9546074	53.215	106.4	0.852	362	True	0.17
SCI09_250303_30.wiff2	IA1633STD-62.5	3/3/2025 3:53:07 PM	5.24	543900	11605870	66.620	106.6	0.854	365	True	0.19

Analyte Name: PFOSA
Regression Equation: Y = 0.801 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.016 Avg. RF = 0.801 RSD = 5.046 RSE = 5.046
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS09	Ical Ref	: ICAL22044
Calibration dates	: 03/03/25 14:41 03/03/25 15:53		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

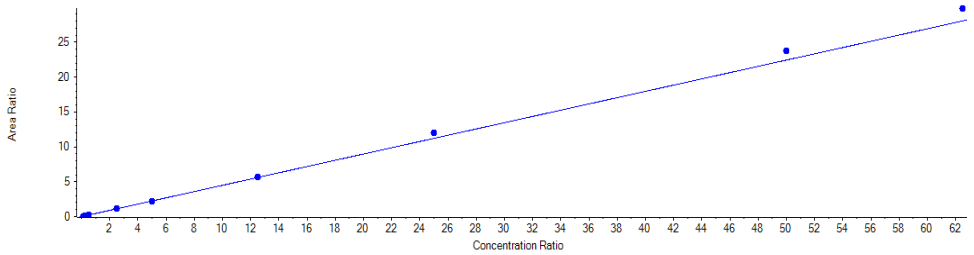
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250303.qmethod
Calibration	250303_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_250303_22.wiff2	IA1633STD-.1	3/3/2025 2:41:55 PM	5.97	101000	4334	0.096	95.7	1.073	101	True	0.21
SCI09_250303_23.wiff2	IA1633STD-.2	3/3/2025 2:50:49 PM	5.97	110700	8760	0.177	88.3	0.989	141	True	0.19
SCI09_250303_24.wiff2	IA1633STD-.5	3/3/2025 2:59:43 PM	5.98	105900	21343	0.450	89.9	1.008	210	True	0.18
SCI09_250303_25.wiff2	IA1633STD-2.5	3/3/2025 3:08:38 PM	5.98	98730	116243	2.626	105.0	1.177	465	True	0.19
SCI09_250303_26.wiff2	IA1633STD-5	3/3/2025 3:17:32 PM	5.98	112400	250084	4.963	99.3	1.113	336	True	0.16
SCI09_250303_27.wiff2	IA1633STD-12.5	3/3/2025 3:26:25 PM	5.97	94720	541857	12.759	102.1	1.144	355	True	0.16
SCI09_250303_28.wiff2	IA1633STD-25	3/3/2025 3:35:19 PM	5.97	96290	1158854	26.842	107.4	1.203	330	True	0.17
SCI09_250303_29.wiff2	IA1633STD-50	3/3/2025 3:44:11 PM	5.99	102600	2438874	52.996	106.0	1.188	333	True	0.16
SCI09_250303_30.wiff2	IA1633STD-62.5	3/3/2025 3:53:07 PM	5.98	100800	3004999	66.481	106.4	1.192	342	True	0.17

Analyte Name: NMeFOSA
Regression Equation: Y = 1.121 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.032 Avg. RF = 1.121 RSD = 7.234 RSE = 7.234
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS09	Ical Ref	: ICAL22044
Calibration dates	: 03/03/25 14:41 03/03/25 15:53		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

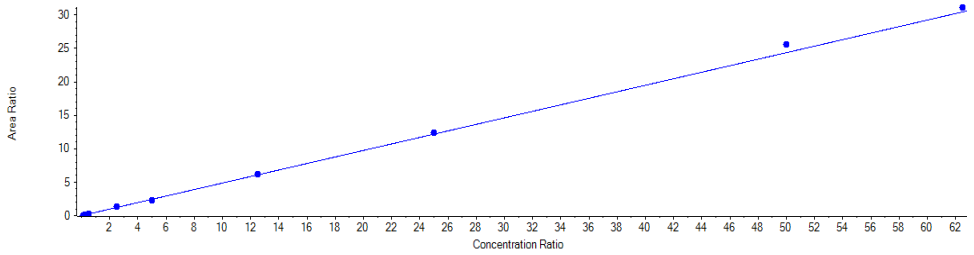
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250303.qmethod
Calibration	250303_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_250303_22.wiff2	IA1633STD-.1	3/3/2025 2:41:55 PM	6.27	92410	4656	0.103	103.4	1.260	130	True	0.14
SCI09_250303_23.wiff2	IA1633STD-.2	3/3/2025 2:50:49 PM	6.27	99230	8995	0.186	93.0	1.133	230	True	0.17
SCI09_250303_24.wiff2	IA1633STD-.5	3/3/2025 2:59:43 PM	6.28	95910	21494	0.460	92.0	1.120	403	True	0.17
SCI09_250303_25.wiff2	IA1633STD-2.5	3/3/2025 3:08:38 PM	6.27	87780	115462	2.699	108.0	1.315	671	True	0.18
SCI09_250303_26.wiff2	IA1633STD-5	3/3/2025 3:17:32 PM	6.27	102800	235607	4.701	94.0	1.145	685	True	0.17
SCI09_250303_27.wiff2	IA1633STD-12.5	3/3/2025 3:26:25 PM	6.27	86790	532096	12.580	100.6	1.226	737	True	0.19
SCI09_250303_28.wiff2	IA1633STD-25	3/3/2025 3:35:19 PM	6.27	89690	1109116	25.375	101.5	1.237	680	True	0.19
SCI09_250303_29.wiff2	IA1633STD-50	3/3/2025 3:44:11 PM	6.28	91350	2344301	52.660	105.3	1.283	702	True	0.16
SCI09_250303_30.wiff2	IA1633STD-62.5	3/3/2025 3:53:07 PM	6.28	94060	2927446	63.867	102.2	1.245	707	True	0.16

Analyte Name: NEtFOSA
Regression Equation: Y = 1.218 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.028 Avg. RF = 1.218 RSD = 5.699 RSE = 5.699
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS09	Ical Ref	: ICAL22044
Calibration dates	: 03/03/25 14:41 03/03/25 15:53		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

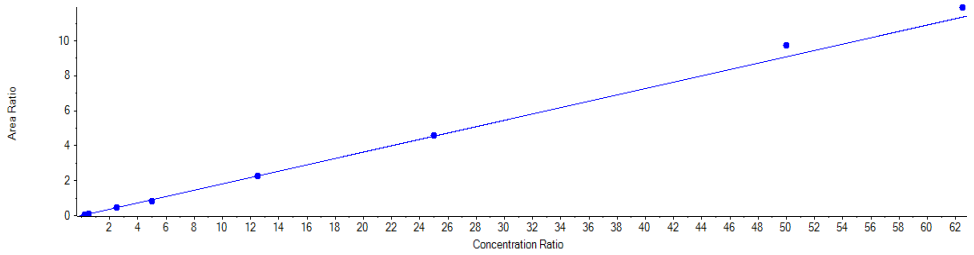
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250303.qmethod
Calibration	250303_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_250303_22.wiff2	IA1633STD-.1	3/3/2025 2:41:55 PM	N/A	N/A	N/A	N/A	N/A	N/A	N/A	False	N/A
SCI09_250303_23.wiff2	IA1633STD-.2	3/3/2025 2:50:49 PM	3.98	146500	4800	0.180	90.1	0.819	37	True	0.29
SCI09_250303_24.wiff2	IA1633STD-.5	3/3/2025 2:59:43 PM	3.99	149200	13391	0.494	98.7	0.898	91	True	0.24
SCI09_250303_25.wiff2	IA1633STD-2.5	3/3/2025 3:08:38 PM	3.98	132600	63717	2.644	105.8	0.961	429	True	0.31
SCI09_250303_26.wiff2	IA1633STD-5	3/3/2025 3:17:32 PM	3.99	173200	145585	4.623	92.5	0.840	709	True	0.36
SCI09_250303_27.wiff2	IA1633STD-12.5	3/3/2025 3:26:25 PM	3.97	128000	291267	12.512	100.1	0.910	720	True	0.35
SCI09_250303_28.wiff2	IA1633STD-25	3/3/2025 3:35:19 PM	3.98	136000	622923	25.201	100.8	0.916	824	True	0.31
SCI09_250303_29.wiff2	IA1633STD-50	3/3/2025 3:44:11 PM	3.99	132300	1289199	53.596	107.2	0.974	665	True	0.31
SCI09_250303_30.wiff2	IA1633STD-62.5	3/3/2025 3:53:07 PM	3.98	130500	1555100	65.527	104.8	0.953	652	True	0.31

Analyte Name: NMeFOSAA
Regression Equation: Y = 0.909 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.011 Avg. RF = 0.909 RSD = 6.153 RSE = 6.153
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS09	Ical Ref	: ICAL22044
Calibration dates	: 03/03/25 14:41 03/03/25 15:53		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

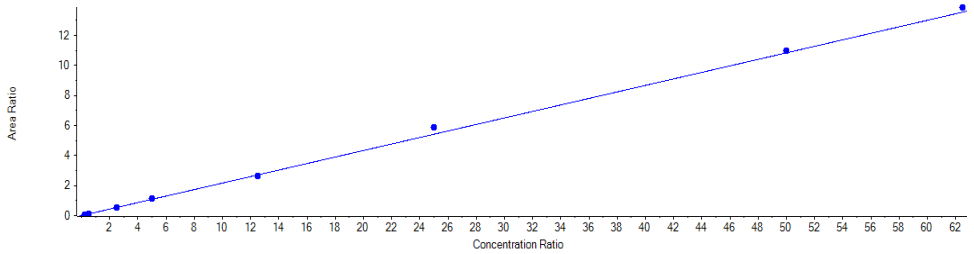
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250303.qmethod
Calibration	250303_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_250303_22.wiff2	IA1633STD-.1	3/3/2025 2:41:55 PM	N/A	N/A	N/A	N/A	N/A	N/A	N/A	False	N/A
SCI09_250303_23.wiff2	IA1633STD-.2	3/3/2025 2:50:49 PM	4.19	117500	4868	0.191	95.5	1.035	41	True	0.13
SCI09_250303_24.wiff2	IA1633STD-.5	3/3/2025 2:59:43 PM	4.20	114500	11391	0.459	91.8	0.995	98	True	1.02
SCI09_250303_25.wiff2	IA1633STD-2.5	3/3/2025 3:08:38 PM	4.19	108900	59240	2.509	100.4	1.088	462	True	0.17
SCI09_250303_26.wiff2	IA1633STD-5	3/3/2025 3:17:32 PM	4.20	117300	132430	5.207	104.1	1.129	463	True	0.19
SCI09_250303_27.wiff2	IA1633STD-12.5	3/3/2025 3:26:25 PM	4.19	105300	275571	12.075	96.6	1.047	668	True	0.30
SCI09_250303_28.wiff2	IA1633STD-25	3/3/2025 3:35:19 PM	4.19	108800	637334	27.008	108.0	1.171	695	True	1.02
SCI09_250303_29.wiff2	IA1633STD-50	3/3/2025 3:44:11 PM	4.20	116100	1274167	50.631	101.3	1.098	605	True	1.14
SCI09_250303_30.wiff2	IA1633STD-62.5	3/3/2025 3:53:07 PM	4.20	113200	1569102	63.940	102.3	1.109	530	True	0.28

Analyte Name: NEtFOSAA
Regression Equation: Y = 1.084 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.011 Avg. RF = 1.084 RSD = 5.182 RSE = 5.182
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS09	Ical Ref	: ICAL22044
Calibration dates	: 03/03/25 14:41 03/03/25 15:53		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

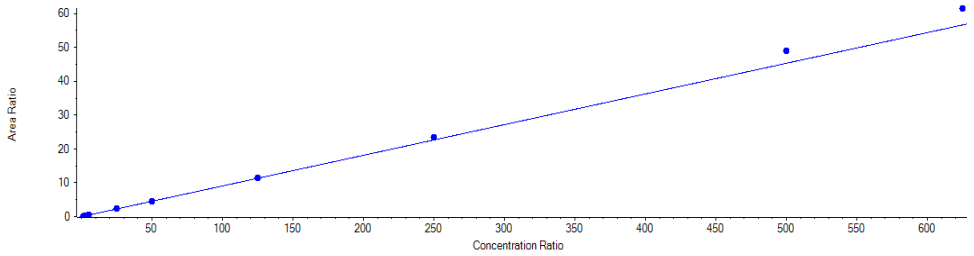
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250303.qmethod
Calibration	250303_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_250303_22.wiff2	IA1633STD-.1	3/3/2025 2:41:55 PM	5.84	715500	60101	0.927	92.7	2.100	173	True	0.19
SCI09_250303_23.wiff2	IA1633STD-.2	3/3/2025 2:50:49 PM	5.84	779200	127504	1.806	90.3	2.045	218	True	0.15
SCI09_250303_24.wiff2	IA1633STD-.5	3/3/2025 2:59:43 PM	5.85	769500	320914	4.602	92.1	2.085	208	True	0.16
SCI09_250303_25.wiff2	IA1633STD-2.5	3/3/2025 3:08:38 PM	5.84	731200	1728162	26.082	104.3	2.364	245	True	0.17
SCI09_250303_26.wiff2	IA1633STD-5	3/3/2025 3:17:32 PM	5.85	811400	3643445	49.553	99.1	2.245	247	True	0.19
SCI09_250303_27.wiff2	IA1633STD-12.5	3/3/2025 3:26:25 PM	5.84	692900	7981840	127.131	101.7	2.304	242	True	0.19
SCI09_250303_28.wiff2	IA1633STD-25	3/3/2025 3:35:19 PM	5.84	709600	16569436	257.678	103.1	2.335	223	True	0.15
SCI09_250303_29.wiff2	IA1633STD-50	3/3/2025 3:44:11 PM	5.85	720700	35316875	540.772	108.2	2.450	235	True	0.18
SCI09_250303_30.wiff2	IA1633STD-62.5	3/3/2025 3:53:07 PM	5.85	710600	43701785	678.698	108.6	2.460	226	True	0.20

Analyte Name: NMeFOSE
Regression Equation: Y = 2.265 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.006 Avg. RF = 2.265 RSD = 6.919 RSE = 6.919
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS09	Ical Ref	: ICAL22044
Calibration dates	: 03/03/25 14:41 03/03/25 15:53		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

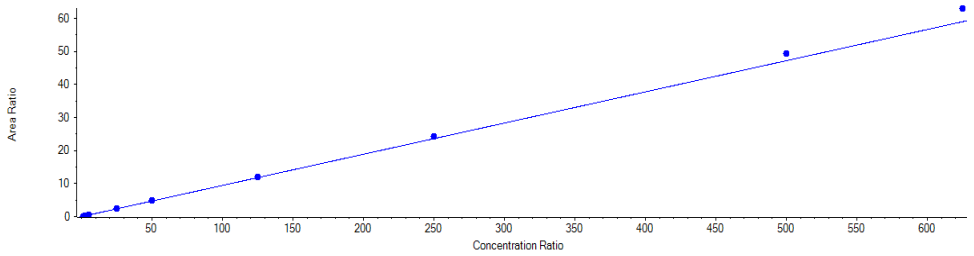
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250303.qmethod
Calibration	250303_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_250303_22.wiff2	IA1633STD-.1	3/3/2025 2:41:55 PM	6.14	1006000	86403	0.909	90.9	2.147	274	True	0.16
SCI09_250303_23.wiff2	IA1633STD-.2	3/3/2025 2:50:49 PM	6.14	1057000	177295	1.776	88.8	2.097	344	True	0.17
SCI09_250303_24.wiff2	IA1633STD-.5	3/3/2025 2:59:43 PM	6.15	1054000	476061	4.780	95.6	2.258	430	True	0.14
SCI09_250303_25.wiff2	IA1633STD-2.5	3/3/2025 3:08:38 PM	6.14	973200	2460257	26.761	107.1	2.528	425	True	0.15
SCI09_250303_26.wiff2	IA1633STD-5	3/3/2025 3:17:32 PM	6.14	1081000	5175067	50.657	101.3	2.393	450	True	0.17
SCI09_250303_27.wiff2	IA1633STD-12.5	3/3/2025 3:26:25 PM	6.13	927300	11142098	127.199	101.8	2.403	415	True	0.16
SCI09_250303_28.wiff2	IA1633STD-25	3/3/2025 3:35:19 PM	6.14	939600	22852970	257.471	103.0	2.432	412	True	0.16
SCI09_250303_29.wiff2	IA1633STD-50	3/3/2025 3:44:11 PM	6.15	946100	46839270	524.078	104.8	2.475	380	True	0.17
SCI09_250303_30.wiff2	IA1633STD-62.5	3/3/2025 3:53:07 PM	6.14	936800	59054522	667.355	106.8	2.522	376	True	0.17

Analyte Name: NEtFOSE
Regression Equation: Y = 2.362 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.006 Avg. RF = 2.362 RSD = 6.710 RSE = 6.710
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS09	Ical Ref	: ICAL22044
Calibration dates	: 03/03/25 14:41 03/03/25 15:53		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

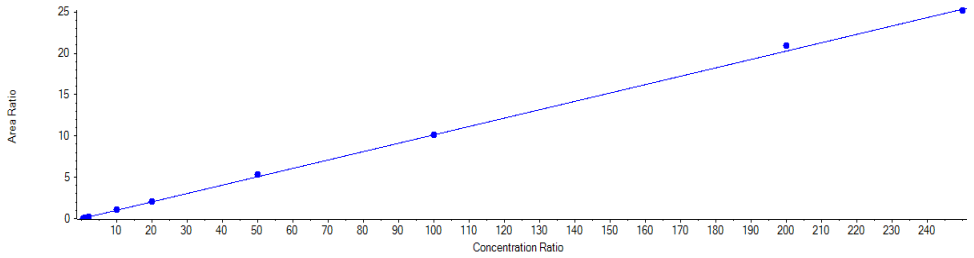
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250303.qmethod
Calibration	250303_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_250303_22.wiff2	IA1633STD-.1	3/3/2025 2:41:55 PM	2.13	1495000	54738	0.361	90.4	0.916	683	True	0.97
SCI09_250303_23.wiff2	IA1633STD-.2	3/3/2025 2:50:49 PM	2.13	1527000	116681	0.754	94.3	0.955	1450	True	1.23
SCI09_250303_24.wiff2	IA1633STD-.5	3/3/2025 2:59:43 PM	2.14	1484000	301471	2.005	100.2	1.016	3696	True	0.91
SCI09_250303_25.wiff2	IA1633STD-2.5	3/3/2025 3:08:38 PM	2.13	1484000	1572905	10.457	104.6	1.060	19174	True	1.29
SCI09_250303_26.wiff2	IA1633STD-5	3/3/2025 3:17:32 PM	2.14	1621000	3399227	20.693	103.5	1.049	4674	True	0.88
SCI09_250303_27.wiff2	IA1633STD-12.5	3/3/2025 3:26:25 PM	2.13	1344000	7141362	52.425	104.9	1.063	83225	True	1.30
SCI09_250303_28.wiff2	IA1633STD-25	3/3/2025 3:35:19 PM	2.13	1378000	13910898	99.610	99.6	1.009	161897	True	1.32
SCI09_250303_29.wiff2	IA1633STD-50	3/3/2025 3:44:11 PM	2.14	1342000	28089338	206.507	103.3	1.046	328304	True	1.33
SCI09_250303_30.wiff2	IA1633STD-62.5	3/3/2025 3:53:07 PM	2.14	1368000	34456419	248.491	99.4	1.007	34936	True	1.25

Analyte Name: HFPO-DA
Regression Equation: Y = 1.013 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.005 Avg. RF = 1.013 RSD = 4.920 RSE = 4.920
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS09	Ical Ref	: ICAL22044
Calibration dates	: 03/03/25 14:41 03/03/25 15:53		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

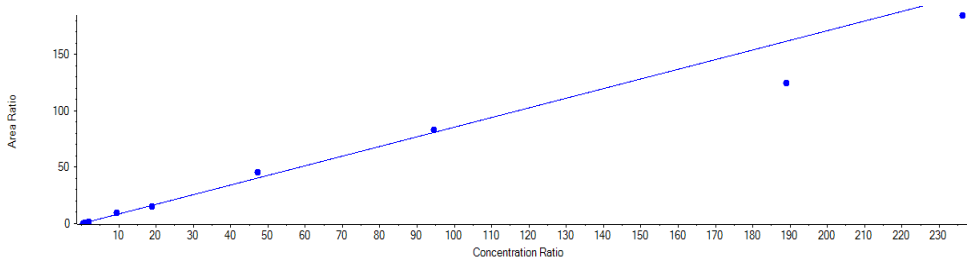
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250303.qmethod
Calibration	250303_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_250303_22.wiff2	IA1633STD-.1	3/3/2025 2:41:55 PM	2.68	334900	114160	0.398	105.4	2.255	1402	True	1.19
SCI09_250303_23.wiff2	IA1633STD-.2	3/3/2025 2:50:49 PM	2.68	317100	233906	0.862	114.0	2.439	1908	True	0.89
SCI09_250303_24.wiff2	IA1633STD-.5	3/3/2025 2:59:43 PM	2.69	370900	524770	1.653	87.5	1.872	5597	True	1.28
SCI09_250303_25.wiff2	IA1633STD-2.5	3/3/2025 3:08:38 PM	2.68	318100	2939003	10.795	114.2	2.444	34049	True	0.88
SCI09_250303_26.wiff2	IA1633STD-5	3/3/2025 3:17:32 PM	2.68	383300	5884811	17.937	94.9	2.031	68492	True	1.09
SCI09_250303_27.wiff2	IA1633STD-12.5	3/3/2025 3:26:25 PM	2.68	284400	12920958	53.080	112.3	2.404	114841	True	0.87
SCI09_250303_28.wiff2	IA1633STD-25	3/3/2025 3:35:19 PM	2.68	310700	25930873	97.522	103.2	2.208	130003	True	0.87
SCI09_250303_29.wiff2	IA1633STD-50	3/3/2025 3:44:11 PM	2.69	335400	41854908	145.788	77.1	1.650	138565	True	0.97
SCI09_250303_30.wiff2	IA1633STD-62.5	3/3/2025 3:53:07 PM	2.68	318800	58871745	215.753	91.3	1.954	21919	True	1.01

Analyte Name: ADONA
Regression Equation: Y = 2.140 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.112 Avg. RF = 2.140 RSD = 13.092 RSE = 13.092
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS09	Ical Ref	: ICAL22044
Calibration dates	: 03/03/25 14:41 03/03/25 15:53		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

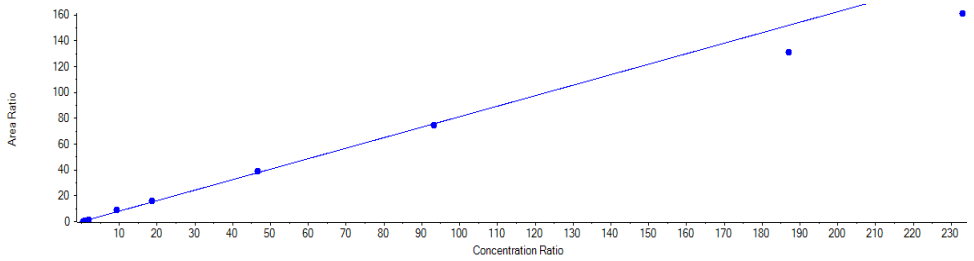
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250303.qmethod
Calibration	250303_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_250303_22.wiff2	IA1633STD-.1	3/3/2025 2:41:55 PM	4.28	369000	105849	0.353	94.7	1.846	1210	True	0.95
SCI09_250303_23.wiff2	IA1633STD-.2	3/3/2025 2:50:49 PM	4.29	373100	226488	0.747	100.2	1.953	2572	True	0.79
SCI09_250303_24.wiff2	IA1633STD-.5	3/3/2025 2:59:43 PM	4.29	351800	588976	2.061	110.2	2.149	6890	True	0.88
SCI09_250303_25.wiff2	IA1633STD-2.5	3/3/2025 3:08:38 PM	4.28	335500	2946967	10.811	115.9	2.259	7228	True	1.08
SCI09_250303_26.wiff2	IA1633STD-5	3/3/2025 3:17:32 PM	4.29	376000	6032741	19.751	105.6	2.059	10343	True	1.26
SCI09_250303_27.wiff2	IA1633STD-12.5	3/3/2025 3:26:25 PM	4.28	319000	12541430	48.400	103.6	2.021	9178	True	1.18
SCI09_250303_28.wiff2	IA1633STD-25	3/3/2025 3:35:19 PM	4.28	317900	23659955	91.623	98.2	1.915	7680	True	0.92
SCI09_250303_29.wiff2	IA1633STD-50	3/3/2025 3:44:11 PM	4.30	334800	43985831	161.739	86.5	1.686	6379	True	1.05
SCI09_250303_30.wiff2	IA1633STD-62.5	3/3/2025 3:53:07 PM	4.29	318900	51374727	198.306	85.1	1.659	6318	True	1.02

Analyte Name: 9Cl-PF3ONS
Regression Equation: Y = 1.950 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.083 Avg. RF = 1.950 RSD = 10.228 RSE = 10.228
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS09	Ical Ref	: ICAL22044
Calibration dates	: 03/03/25 14:41 03/03/25 15:53		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

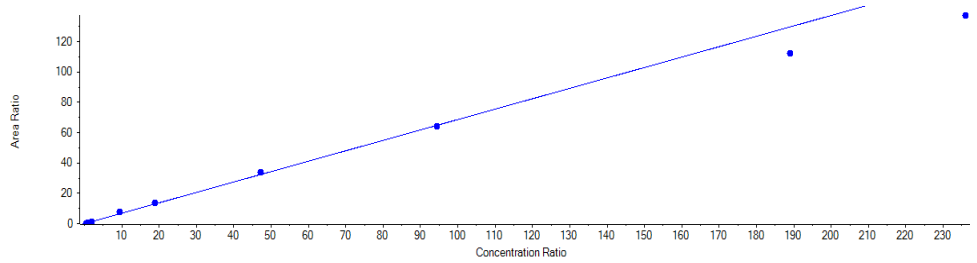
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250303.qmethod
Calibration	250303_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_250303_22.wiff2	IA1633STD-.1	3/3/2025 2:41:55 PM	5.07	369000	91599	0.361	95.9	1.580	2098	True	1.00
SCI09_250303_23.wiff2	IA1633STD-.2	3/3/2025 2:50:49 PM	5.07	373100	189028	0.738	97.8	1.613	3936	True	1.25
SCI09_250303_24.wiff2	IA1633STD-.5	3/3/2025 2:59:43 PM	5.08	351800	494647	2.047	108.3	1.786	3649	True	0.95
SCI09_250303_25.wiff2	IA1633STD-2.5	3/3/2025 3:08:38 PM	5.07	335500	2566254	11.133	118.1	1.946	8576	True	1.27
SCI09_250303_26.wiff2	IA1633STD-5	3/3/2025 3:17:32 PM	5.08	376000	5149429	19.937	105.5	1.739	9497	True	0.79
SCI09_250303_27.wiff2	IA1633STD-12.5	3/3/2025 3:26:25 PM	5.07	319000	10793343	49.258	104.4	1.721	7749	True	0.98
SCI09_250303_28.wiff2	IA1633STD-25	3/3/2025 3:35:19 PM	5.07	317900	20368386	93.275	98.9	1.631	6638	True	0.99
SCI09_250303_29.wiff2	IA1633STD-50	3/3/2025 3:44:11 PM	5.08	334800	37585090	163.432	86.5	1.426	790591	True	1.00
SCI09_250303_30.wiff2	IA1633STD-62.5	3/3/2025 3:53:07 PM	5.08	318900	43809540	199.975	84.7	1.397	894638	True	1.19

Analyte Name: 11Cl-PF3OUdS
Regression Equation: Y = 1.649 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.072 Avg. RF = 1.649 RSD = 10.507 RSE = 10.507
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS09	Ical Ref	: ICAL22044
Calibration dates	: 03/03/25 14:41 03/03/25 15:53		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

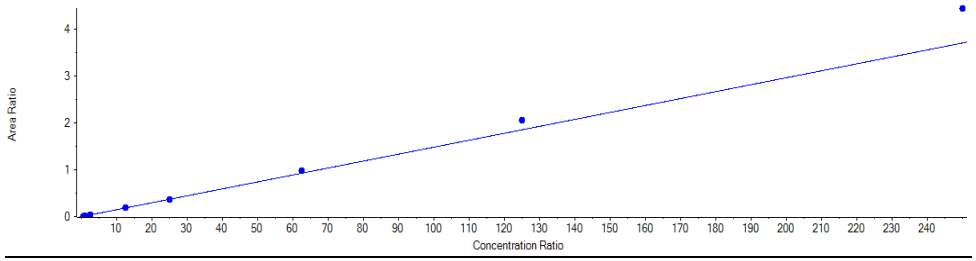
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250303.qmethod
Calibration	250303_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_250303_22.wiff2	IA1633STD-.1	3/3/2025 2:41:55 PM	1.56	768100	5496	0.483	96.6	0.072	51	True	1.32
SCI09_250303_23.wiff2	IA1633STD-.2	3/3/2025 2:50:49 PM	1.56	800800	8501	0.716	71.6	0.053	79	True	1.76
SCI09_250303_24.wiff2	IA1633STD-.5	3/3/2025 2:59:43 PM	1.57	779200	26619	2.305	92.2	0.068	190	True	2.09
SCI09_250303_25.wiff2	IA1633STD-2.5	3/3/2025 3:08:38 PM	1.56	749300	143001	12.878	103.0	0.076	1126	True	1.39
SCI09_250303_26.wiff2	IA1633STD-5	3/3/2025 3:17:32 PM	1.57	815400	303513	25.115	100.5	0.074	1847	True	1.32
SCI09_250303_27.wiff2	IA1633STD-12.5	3/3/2025 3:26:25 PM	1.56	686600	667027	65.547	104.9	0.078	2120	True	1.59
SCI09_250303_28.wiff2	IA1633STD-25	3/3/2025 3:35:19 PM	1.57	685900	1415043	139.211	111.4	0.083	3071	True	1.41
SCI09_250303_29.wiff2	IA1633STD-50	3/3/2025 3:44:11 PM	1.58	660500	2933501	299.691	119.9	0.089	3258	True	1.25
SCI09_250303_30.wiff2	IA1633STD-62.5	3/3/2025 3:53:07 PM	N/A	629300	N/A	N/A	N/A	N/A	N/A	False	N/A

Analyte Name: 3:3FTCA
Regression Equation: Y = 0.074 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.002 Avg. RF = 0.074 RSD = 14.318 RSE = 14.318
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS09	Ical Ref	: ICAL22044
Calibration dates	: 03/03/25 14:41 03/03/25 15:53		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

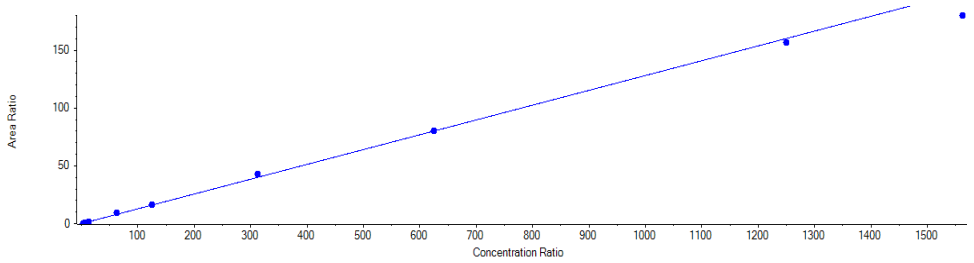
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250303.qmethod
Calibration	250303_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_250303_22.wiff2	IA1633STD-.1	3/3/2025 2:41:55 PM	3.03	341100	101733	2.329	93.2	0.298	1108	True	1.20
SCI09_250303_23.wiff2	IA1633STD-.2	3/3/2025 2:50:49 PM	3.03	402500	229481	4.451	89.0	0.285	2534	True	1.01
SCI09_250303_24.wiff2	IA1633STD-.5	3/3/2025 2:59:43 PM	3.04	359800	610827	13.255	106.0	0.340	6860	True	1.37
SCI09_250303_25.wiff2	IA1633STD-2.5	3/3/2025 3:08:38 PM	3.03	337900	3069698	70.916	113.5	0.363	16792	True	0.96
SCI09_250303_26.wiff2	IA1633STD-5	3/3/2025 3:17:32 PM	3.04	373200	6094534	127.497	102.0	0.327	17755	True	1.19
SCI09_250303_27.wiff2	IA1633STD-12.5	3/3/2025 3:26:25 PM	3.03	307600	13302452	337.637	108.0	0.346	118744	True	0.98
SCI09_250303_28.wiff2	IA1633STD-25	3/3/2025 3:35:19 PM	3.03	319800	25694766	627.339	100.4	0.321	260744	True	0.98
SCI09_250303_29.wiff2	IA1633STD-50	3/3/2025 3:44:11 PM	3.04	307400	48209215	1224.387	98.0	0.314	30155	True	1.07
SCI09_250303_30.wiff2	IA1633STD-62.5	3/3/2025 3:53:07 PM	3.04	333700	60070838	1405.496	90.0	0.288	30242	True	1.16

Analyte Name: 5:3FTCA
Regression Equation: Y = 0.320 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.011 Avg. RF = 0.320 RSD = 8.361 RSE = 8.361
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS09	Ical Ref	: ICAL22044
Calibration dates	: 03/03/25 14:41 03/03/25 15:53		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

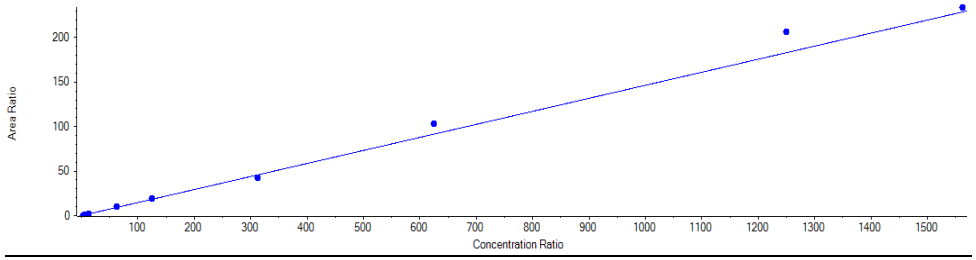
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250303.qmethod
Calibration	250303_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_250303_22.wiff2	IA1633STD-.1	3/3/2025 2:41:55 PM	4.06	243800	83626	2.343	93.7	0.171	1120	True	1.07
SCI09_250303_23.wiff2	IA1633STD-.2	3/3/2025 2:50:49 PM	4.06	282300	175038	4.235	84.7	0.155	2130	True	1.05
SCI09_250303_24.wiff2	IA1633STD-.5	3/3/2025 2:59:43 PM	4.07	273600	453957	11.334	90.7	0.166	5803	True	1.18
SCI09_250303_25.wiff2	IA1633STD-2.5	3/3/2025 3:08:38 PM	4.06	251700	2437617	66.149	105.8	0.194	27616	True	1.31
SCI09_250303_26.wiff2	IA1633STD-5	3/3/2025 3:17:32 PM	4.07	267500	5129873	130.975	104.8	0.192	25114	True	0.98
SCI09_250303_27.wiff2	IA1633STD-12.5	3/3/2025 3:26:25 PM	4.05	269400	11466526	290.703	93.0	0.170	147852	True	1.06
SCI09_250303_28.wiff2	IA1633STD-25	3/3/2025 3:35:19 PM	4.06	239900	24676376	702.540	112.4	0.206	30005	True	1.26
SCI09_250303_29.wiff2	IA1633STD-50	3/3/2025 3:44:11 PM	4.07	234300	48312405	1408.433	112.7	0.206	36510	True	1.30
SCI09_250303_30.wiff2	IA1633STD-62.5	3/3/2025 3:53:07 PM	4.06	246800	57706533	1596.892	102.2	0.187	22433	True	1.36

Analyte Name: 7:3FTCA
Regression Equation: Y = 0.183 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.015 Avg. RF = 0.183 RSD = 9.911 RSE = 9.911
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS09	Ical Ref	: ICAL22044
Calibration dates	: 03/03/25 14:41 03/03/25 15:53		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

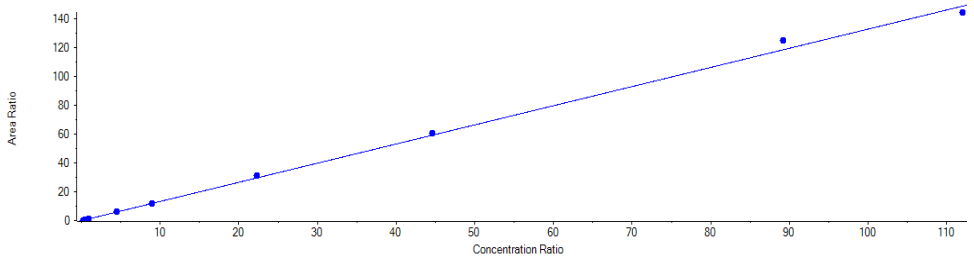
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250303.qmethod
Calibration	250303_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_250303_22.wiff2	IA1633STD-.1	3/3/2025 2:41:55 PM	2.22	341100	77148	0.170	95.5	3.177	889	True	1.06
SCI09_250303_23.wiff2	IA1633STD-.2	3/3/2025 2:50:49 PM	2.22	402500	156562	0.292	81.9	2.724	1749	True	1.34
SCI09_250303_24.wiff2	IA1633STD-.5	3/3/2025 2:59:43 PM	2.23	359800	452001	0.944	105.8	3.521	5182	True	1.00
SCI09_250303_25.wiff2	IA1633STD-2.5	3/3/2025 3:08:38 PM	2.22	337900	2143172	4.764	106.8	3.555	7787	True	0.88
SCI09_250303_26.wiff2	IA1633STD-5	3/3/2025 3:17:32 PM	2.23	373200	4413745	8.885	99.6	3.315	50698	True	0.94
SCI09_250303_27.wiff2	IA1633STD-12.5	3/3/2025 3:26:25 PM	2.22	307600	9656667	23.584	105.8	3.520	8576	True	1.37
SCI09_250303_28.wiff2	IA1633STD-25	3/3/2025 3:35:19 PM	2.22	319800	19431116	45.649	102.4	3.406	9069	True	1.37
SCI09_250303_29.wiff2	IA1633STD-50	3/3/2025 3:44:11 PM	2.24	307400	38438538	93.936	105.3	3.505	420262	True	1.35
SCI09_250303_30.wiff2	IA1633STD-62.5	3/3/2025 3:53:07 PM	2.23	333700	48272608	108.678	97.0	3.229	8045	True	1.32

Analyte Name: PFEESA
Regression Equation: Y = 3.328 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.106 Avg. RF = 3.328 RSD = 7.953 RSE = 7.953
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS09	Ical Ref	: ICAL22044
Calibration dates	: 03/03/25 14:41 03/03/25 15:53		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

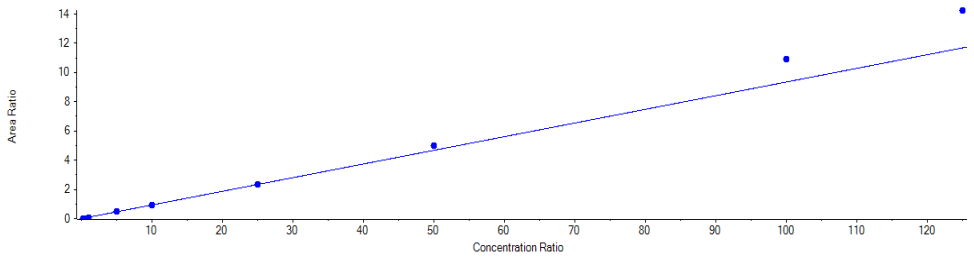
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250303.qmethod
Calibration	250303_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_250303_22.wiff2	IA1633STD-.1	3/3/2025 2:41:55 PM	0.75	1783000	28899	0.173	86.7	0.810	1475	True	1.44
SCI09_250303_23.wiff2	IA1633STD-.2	3/3/2025 2:50:49 PM	0.75	1947000	59828	0.329	82.2	0.768	2612	True	1.19
SCI09_250303_24.wiff2	IA1633STD-.5	3/3/2025 2:59:43 PM	0.76	1892000	154033	0.871	87.1	0.814	3765	True	1.32
SCI09_250303_25.wiff2	IA1633STD-2.5	3/3/2025 3:08:38 PM	0.75	1734000	834661	5.149	103.0	0.963	9747	True	1.53
SCI09_250303_26.wiff2	IA1633STD-5	3/3/2025 3:17:32 PM	0.76	1893000	1710204	9.664	96.6	0.903	11270	True	1.30
SCI09_250303_27.wiff2	IA1633STD-12.5	3/3/2025 3:26:25 PM	0.75	1539000	3563990	24.775	99.1	0.926	25560	True	1.16
SCI09_250303_28.wiff2	IA1633STD-25	3/3/2025 3:35:19 PM	0.75	1447000	7200947	53.220	106.4	0.995	30762	True	1.33
SCI09_250303_29.wiff2	IA1633STD-50	3/3/2025 3:44:11 PM	0.76	1281000	14008445	117.007	117.0	1.094	26984	True	1.01
SCI09_250303_30.wiff2	IA1633STD-62.5	3/3/2025 3:53:07 PM	0.76	1226000	17466472	152.354	121.9	1.139	30658	True	1.45

Analyte Name: PFMPA
Regression Equation: Y = 0.935 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.013 Avg. RF = 0.935 RSD = 13.658 RSE = 13.658
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS09	Ical Ref	: ICAL22044
Calibration dates	: 03/03/25 14:41 03/03/25 15:53		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

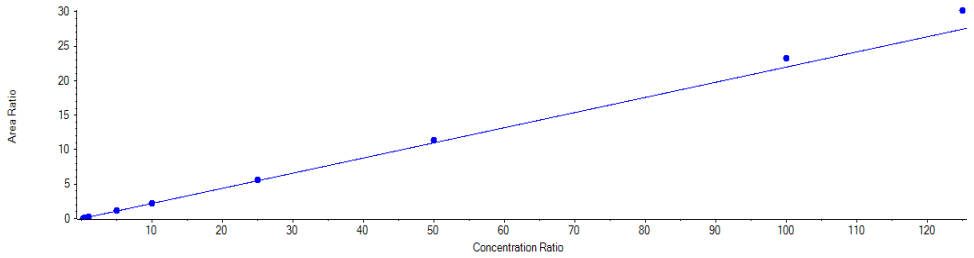
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250303.qmethod
Calibration	250303_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_250303_22.wiff2	IA1633STD-.1	3/3/2025 2:41:55 PM	1.44	768100	30422	0.180	90.2	0.990	864	True	1.26
SCI09_250303_23.wiff2	IA1633STD-.2	3/3/2025 2:50:49 PM	1.44	800800	61803	0.351	87.8	0.965	1900	True	1.29
SCI09_250303_24.wiff2	IA1633STD-.5	3/3/2025 2:59:43 PM	1.45	779200	168417	0.984	98.4	1.081	4957	True	1.10
SCI09_250303_25.wiff2	IA1633STD-2.5	3/3/2025 3:08:38 PM	1.44	749300	850980	5.170	103.4	1.136	24502	True	1.32
SCI09_250303_26.wiff2	IA1633STD-5	3/3/2025 3:17:32 PM	1.45	815400	1781362	9.944	99.4	1.092	24783	True	1.25
SCI09_250303_27.wiff2	IA1633STD-12.5	3/3/2025 3:26:25 PM	1.44	686600	3833878	25.416	101.7	1.117	110252	True	1.21
SCI09_250303_28.wiff2	IA1633STD-25	3/3/2025 3:35:19 PM	1.44	685900	7792939	51.721	103.4	1.136	41278	True	1.23
SCI09_250303_29.wiff2	IA1633STD-50	3/3/2025 3:44:11 PM	1.45	660500	15351804	105.806	105.8	1.162	47523	True	1.36
SCI09_250303_30.wiff2	IA1633STD-62.5	3/3/2025 3:53:07 PM	1.45	629300	18988827	137.357	109.9	1.207	38465	True	1.13

Analyte Name: PFMBA
Regression Equation: Y = 1.098 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.016 Avg. RF = 1.098 RSD = 7.122 RSE = 7.122
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS09	Ical Ref	: ICAL22044
Calibration dates	: 03/03/25 14:41 03/03/25 15:53		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

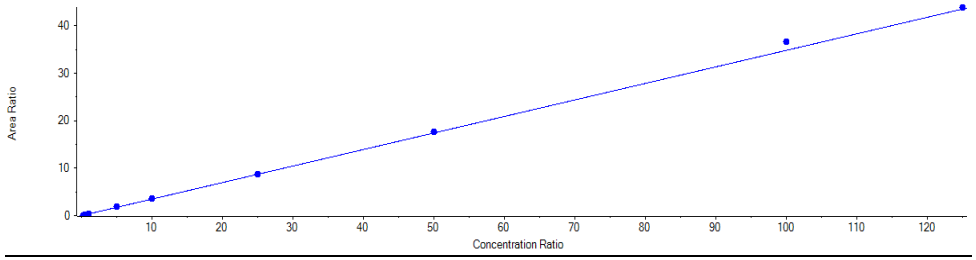
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250303.qmethod
Calibration	250303_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_250303_22.wiff2	IA1633STD-.1	3/3/2025 2:41:55 PM	1.84	341100	23090	0.194	97.1	0.846	362	True	1.30
SCI09_250303_23.wiff2	IA1633STD-.2	3/3/2025 2:50:49 PM	1.84	402500	47725	0.340	85.1	0.741	723	True	1.10
SCI09_250303_24.wiff2	IA1633STD-.5	3/3/2025 2:59:43 PM	1.85	359800	121871	0.972	97.2	0.847	1837	True	0.86
SCI09_250303_25.wiff2	IA1633STD-2.5	3/3/2025 3:08:38 PM	1.84	337900	645647	5.483	109.7	0.955	4607	True	1.03
SCI09_250303_26.wiff2	IA1633STD-5	3/3/2025 3:17:32 PM	1.85	373200	1325671	10.195	102.0	0.888	6080	True	1.33
SCI09_250303_27.wiff2	IA1633STD-12.5	3/3/2025 3:26:25 PM	1.84	307600	2706957	25.257	101.0	0.880	4184	True	1.10
SCI09_250303_28.wiff2	IA1633STD-25	3/3/2025 3:35:19 PM	1.84	319800	5669052	50.880	101.8	0.886	82848	True	1.10
SCI09_250303_29.wiff2	IA1633STD-50	3/3/2025 3:44:11 PM	1.86	307400	11291899	105.423	105.4	0.918	164884	True	1.33
SCI09_250303_30.wiff2	IA1633STD-62.5	3/3/2025 3:53:07 PM	1.85	333700	14641873	125.933	100.8	0.878	214637	True	1.13

Analyte Name: NFDHA
Regression Equation: Y = 0.871 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.024 Avg. RF = 0.871 RSD = 6.800 RSE = 6.800
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS09	Ical Ref	: ICAL22044
Calibration dates	: 03/03/25 14:41 03/03/25 15:53		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

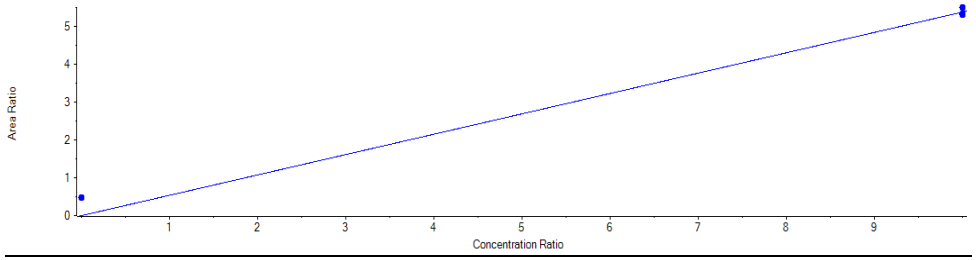
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250303.qmethod
Calibration	250303_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_250303_22.wiff2	IA1633STD-.1	3/3/2025 2:41:55 PM	2.66	369000	2030223	10.224	102.2	1.321	9486	True	1.30
SCI09_250303_23.wiff2	IA1633STD-.2	3/3/2025 2:50:49 PM	N/A	373100	N/A	N/A	N/A	N/A	N/A	True	N/A
SCI09_250303_24.wiff2	IA1633STD-.5	3/3/2025 2:59:43 PM	2.68	351800	168518	0.890	N/A	N/A	1856	True	0.89
SCI09_250303_25.wiff2	IA1633STD-2.5	3/3/2025 3:08:38 PM	N/A	335500	N/A	N/A	N/A	N/A	N/A	True	N/A
SCI09_250303_26.wiff2	IA1633STD-5	3/3/2025 3:17:32 PM	2.67	376000	1993257	9.851	98.5	1.272	11730	True	1.15
SCI09_250303_27.wiff2	IA1633STD-12.5	3/3/2025 3:26:25 PM	N/A	319000	N/A	N/A	N/A	N/A	N/A	True	N/A
SCI09_250303_28.wiff2	IA1633STD-25	3/3/2025 3:35:19 PM	N/A	317900	N/A	N/A	N/A	N/A	N/A	True	N/A
SCI09_250303_29.wiff2	IA1633STD-50	3/3/2025 3:44:11 PM	N/A	334800	N/A	N/A	N/A	N/A	N/A	True	N/A
SCI09_250303_30.wiff2	IA1633STD-62.5	3/3/2025 3:53:07 PM	2.66	318900	1703275	9.925	99.3	1.282	6404	True	1.12

Analyte Name: TDCA
Regression Equation: Y = N/A x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = N/A Avg. RF = 1.292 RSD = 1.977 RSE = 0.000
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS09	Ical Ref	: ICAL22044
Calibration dates	: 03/03/25 14:41 03/03/25 15:53		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

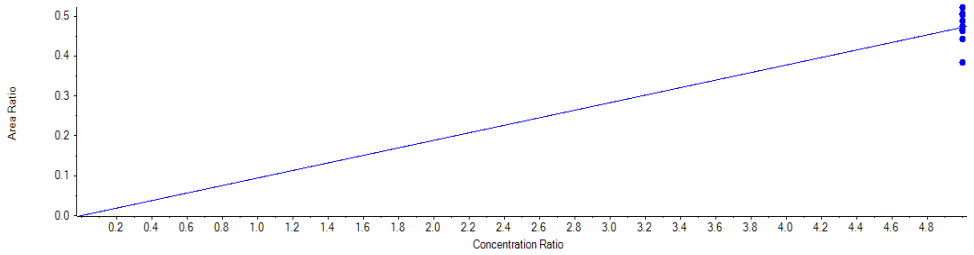
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250303.qmethod
Calibration	250303_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_250303_22.wiff2	IA1633STD-.1	3/3/2025 2:41:55 PM	1.70	289500	137140	5.022	100.4	0.225	2747	True	1.20
SCI09_250303_23.wiff2	IA1633STD-.2	3/3/2025 2:50:49 PM	1.70	277600	140273	5.357	107.1	0.240	2677	True	0.91
SCI09_250303_24.wiff2	IA1633STD-.5	3/3/2025 2:59:43 PM	1.71	267600	118454	4.693	93.9	0.210	2278	True	0.97
SCI09_250303_25.wiff2	IA1633STD-2.5	3/3/2025 3:08:38 PM	1.70	291000	111521	4.063	81.3	0.182	2226	True	1.39
SCI09_250303_26.wiff2	IA1633STD-5	3/3/2025 3:17:32 PM	1.71	327300	151148	4.895	97.9	0.219	3000	True	1.01
SCI09_250303_27.wiff2	IA1633STD-12.5	3/3/2025 3:26:25 PM	1.70	268800	140144	5.528	110.6	0.247	2694	True	0.90
SCI09_250303_28.wiff2	IA1633STD-25	3/3/2025 3:35:19 PM	1.70	268400	124643	4.923	98.5	0.220	2464	True	0.91
SCI09_250303_29.wiff2	IA1633STD-50	3/3/2025 3:44:11 PM	1.72	253500	127883	5.347	106.9	0.239	2541	True	0.93
SCI09_250303_30.wiff2	IA1633STD-62.5	3/3/2025 3:53:07 PM	1.71	267200	130410	5.174	103.5	0.231	2491	True	0.86

Analyte Name: 13C2D4-4:2FTS
Regression Equation: Y = 0.224 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.008 Avg. RF = 0.224 RSD = 8.794 RSE = 0.000
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS09	Ical Ref	: ICAL22044
Calibration dates	: 03/03/25 14:41 03/03/25 15:53		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

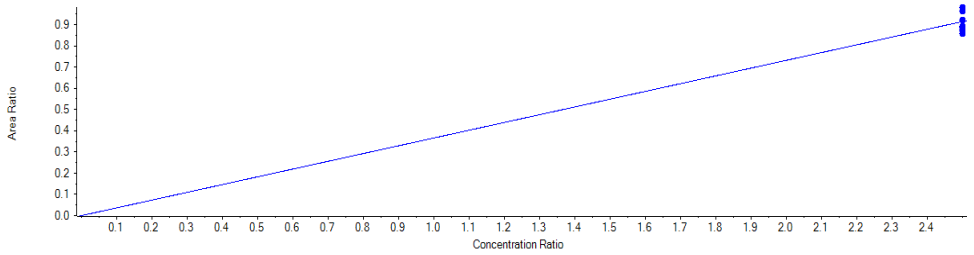
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250303.qmethod
Calibration	250303_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_250303_22.wiff2	IA1633STD-.1	3/3/2025 2:41:55 PM	2.98	363400	356521	2.681	107.2	0.981	4469	True	1.01
SCI09_250303_23.wiff2	IA1633STD-.2	3/3/2025 2:50:49 PM	2.98	335400	328744	2.678	107.1	0.980	4003	True	0.91
SCI09_250303_24.wiff2	IA1633STD-.5	3/3/2025 2:59:43 PM	2.99	349400	307805	2.407	96.3	0.881	3728	True	1.25
SCI09_250303_25.wiff2	IA1633STD-2.5	3/3/2025 3:08:38 PM	2.98	363000	323036	2.432	97.3	0.890	4183	True	0.84
SCI09_250303_26.wiff2	IA1633STD-5	3/3/2025 3:17:32 PM	2.99	400500	368927	2.517	100.7	0.921	4722	True	0.94
SCI09_250303_27.wiff2	IA1633STD-12.5	3/3/2025 3:26:25 PM	2.98	374200	321115	2.345	93.8	0.858	3834	True	1.32
SCI09_250303_28.wiff2	IA1633STD-25	3/3/2025 3:35:19 PM	2.98	325000	288456	2.425	97.0	0.888	3448	True	1.30
SCI09_250303_29.wiff2	IA1633STD-50	3/3/2025 3:44:11 PM	3.00	340600	328767	2.637	105.5	0.965	3757	True	0.85
SCI09_250303_30.wiff2	IA1633STD-62.5	3/3/2025 3:53:07 PM	2.99	383200	333473	2.378	95.1	0.870	4092	True	0.91

Analyte Name: 13C2-PFOA
Regression Equation: Y = 0.915 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.019 Avg. RF = 0.915 RSD = 5.320 RSE = 0.000
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS09	Ical Ref	: ICAL22044
Calibration dates	: 03/03/25 14:41 03/03/25 15:53		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

Analyte	Expected Ratio	Lower Limt	Upper Limt	NIS Analyte	AVG. NIS Area
PFBA	N/A	N/A	N/A	13C3-PFBA	724677
PFPeA	N/A	N/A	N/A	13C2-PFHxA	405177
PFHxA	0.081	0.0405	0.1215	13C4-PFOA	359411
PFHpA	0.373	0.1865	0.5595	13C5-PFNA	257604
PFOA	0.424	0.212	0.636	13C2-PFDA	265799
PFNA	0.493	0.2465	0.7395	18O2-PFHxS	278984
PFDA	0.188	0.094	0.282	13C4-PFOS	288522
PFUnA	0.146	0.073	0.219	N/A	N/A
PFDoA	0.142	0.071	0.213	N/A	N/A
PFTrDA	0.152	0.076	0.228	N/A	N/A
PFTeDA	0.154	0.077	0.231	N/A	N/A
PFBS	0.374	0.187	0.561	N/A	N/A
PFPeS	0.314	0.157	0.471	N/A	N/A
PFHxS	0.306	0.153	0.459	N/A	N/A
PFHpS	0.316	0.158	0.474	N/A	N/A
PFOS	0.244	0.122	0.366	N/A	N/A
PFNS	0.294	0.147	0.441	N/A	N/A
PFDS	0.29	0.145	0.435	N/A	N/A
PFDoS	0.256	0.128	0.384	N/A	N/A
4:2FTS	0.65	0.325	0.975	N/A	N/A
6:2FTS	0.62	0.31	0.93	N/A	N/A
8:2FTS	0.676	0.338	1.014	N/A	N/A
PFOSA	0.026	0.013	0.039	N/A	N/A
NMeFOSA	1.377	0.6885	2.0655	N/A	N/A
NEtFOSA	1.292	0.646	1.938	N/A	N/A
NMeFOSAA	0.697	0.3485	1.0455	N/A	N/A
NEtFOSAA	0.557	0.2785	0.8355	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	0.501	0.2505	0.7515	N/A	N/A
ADONA	0.691	0.3455	1.0365	N/A	N/A
9Cl-PF3ONS	0.332	0.166	0.498	N/A	N/A
11Cl-PF3OUdS	0.322	0.161	0.483	N/A	N/A
3:3FTCA	1.01	0.505	1.515	N/A	N/A
5:3FTCA	1.017	0.5085	1.5255	N/A	N/A
7:3FTCA	1.343	0.6715	2.0145	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	5.68	2.84	8.52	N/A	N/A

Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS09	Ical Ref	: ICAL22044
Calibration dates	: 03/03/25 14:41 03/03/25 15:53		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250303\SCI09_250303_22.wiff2
Last Altered: 3/4/2025 6:49:27 AM
Generated: 3/3/2025 3:16:24 PM

Method:	EPA-1633F
ICAL:	ICAL22044
Workgroup:	WG2035972
Date:	3/3/2025

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	1.09	1.25	1.196	1.068	1.121	1.068	1.129	1.157	1.087	1.130	5.467
EIS	13C5-PFPeA	0.867	1.012	0.913	0.898	0.858	0.875	0.899	0.968	0.842	0.903	6.07
EIS	13C5-PFHxA	0.77	1.017	0.843	0.81	0.785	0.784	0.838	0.901	0.893	0.849	9.229
EIS	13C4-PFHpA	0.756	0.801	0.869	0.762	0.807	0.725	0.815	0.983	0.853	0.819	9.368
EIS	13C8-PFOA	1.614	1.883	1.88	1.628	1.548	1.524	1.766	1.553	1.408	1.645	9.995
EIS	13C9-PFNA	0.944	1.124	1.037	0.919	0.93	1.041	1.03	1.002	0.958	0.998	6.71
EIS	13C6-PFDA	1.016	1.264	1.181	1.007	1.002	0.964	1.027	1.16	1.023	1.071	9.603
EIS	13C7-PFUnA	1.183	1.384	1.337	1.109	1.138	1.101	1.112	1.183	1.09	1.182	9.065
EIS	13C2-PFDoA	1.08	1.281	1.272	1.095	1.122	1.105	1.237	1.275	1.234	1.189	7.247
EIS	13C2-PFTeDA	0.695	0.831	0.806	0.696	0.752	0.684	0.778	0.885	0.811	0.771	9.037
EIS	13C3-PFBS	1.261	1.373	1.523	1.179	1.191	1.276	1.276	1.234	1.1	1.268	9.63
EIS	13C3-PFHxS	1.165	1.177	1.191	1.048	1.043	1.155	1.099	1.187	1.075	1.127	5.363
EIS	13C8-PFOS	1.297	1.284	1.197	1.11	1.23	1.085	1.157	1.234	1.138	1.193	6.279
EIS	13C2-4:2FTS	0.176	0.187	0.194	0.169	0.165	0.175	0.198	0.209	0.21	0.187	8.931
EIS	13C2-6:2FTS	0.146	0.156	0.157	0.138	0.149	0.16	0.162	0.193	0.19	0.161	11.486
EIS	13C2-8:2FTS	0.126	0.17	0.167	0.13	0.143	0.15	0.172	0.214	0.191	0.163	17.555
EIS	13C8-PFOSA	1.911	1.994	1.975	1.74	1.903	1.745	1.933	1.982	1.864	1.894	5.06
EIS	d3-NMeFOSA	0.341	0.366	0.346	0.314	0.353	0.309	0.336	0.363	0.345	0.342	5.718
EIS	d5-NEtFOSA	0.312	0.328	0.313	0.279	0.323	0.284	0.313	0.323	0.322	0.311	5.689
EIS	d3-NMeFOSAA	N/A	0.242	0.244	0.211	0.272	0.209	0.238	0.234	0.224	0.234	8.677
EIS	d5-NEtFOSAA	N/A	0.194	0.187	0.173	0.184	0.172	0.19	0.205	0.194	0.187	5.973
EIS	d7-NMeFOSE	0.241	0.257	0.251	0.232	0.255	0.226	0.248	0.255	0.243	0.246	4.372
EIS	d9-NEtFOSE	0.34	0.349	0.345	0.309	0.34	0.303	0.328	0.335	0.321	0.330	4.833
EIS	13C3-HFPO-DA	0.844	0.965	0.87	0.889	0.853	0.856	0.903	0.983	0.915	0.898	5.521
NIS	13C3-PFBA	1.128	1.075	1.092	1.12	1.165	0.994	0.884	0.764	0.778	1.000	15.428
NIS	13C2-PFHxA	1.093	0.976	1.053	1.03	1.173	0.969	0.941	0.842	0.922	1.000	9.874
NIS	13C4-PFOA	1.011	0.933	0.972	1.01	1.114	1.041	0.904	0.948	1.066	1.000	6.759
NIS	13C5-PFNA	1.003	0.975	1.024	1.064	1.117	1.004	0.[illegible]		1.001	1.000	6.757
NIS	13C2-PFDA	1.087	0.947	0.973	1.055	1.14	1.021	0.[illegible]		0.933	1.000	8.155
NIS	18O2-PFHxS	1.038	0.995	0.959	1.043	1.173	0.963	0.[illegible]		0.958	1.000	7.734
NIS	13C4-PFOS	0.986	1.007	1.018	1.047	1.059	1.019	0.[illegible]		0.971	1.000	4.095

Initial Calibration Report

SCIEX OS Version 3.3.1.43

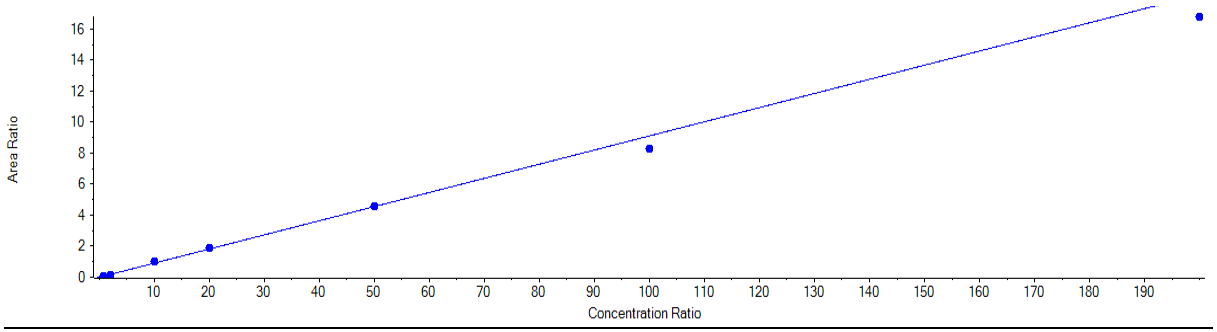
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2
Last Altered: 3/1/2025 10:50:54 AM
Generated: 2/28/2025 12:43:00 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250227.qmethod
Calibration	250228_EPA1633_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
SCI07_250228_25.wiff2	IA1633STD-.2	2/28/2025 12:11:20 PM	0.62	2262000	178457	0.865	108.1	0.986	198	True	1.42
SCI07_250228_26.wiff2	IA1633STD-.5	2/28/2025 12:20:13 PM	0.62	2585000	466711	1.980	99.0	0.903	376	True	1.09
SCI07_250228_27.wiff2	IA1633STD-2.5	2/28/2025 12:29:08 PM	0.61	2320000	2284426	10.800	108.0	0.985	1121	True	1.38
SCI07_250228_29.wiff2	IA1633STD-5	2/28/2025 12:49:16 PM	0.60	2485000	4608786	20.341	101.7	0.927	1858	True	1.32
SCI07_250228_30.wiff2	IA1633STD-12.5	2/28/2025 12:58:10 PM	0.61	2064000	9413193	50.011	100.0	0.912	1984	True	1.33
SCI07_250228_31.wiff2	IA1633STD-25	2/28/2025 1:07:04 PM	0.61	1948000	16177860	91.051	91.1	0.830	2467	True	1.40
SCI07_250228_32.wiff2	IA1633STD-50	2/28/2025 1:15:56 PM	0.62	1641000	27563184	184.201	92.1	0.840	3920	True	1.43

Analyte Name: PFBA
Regression Equation: Y = 0.912 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.006 Avg. RF = 0.912 RSD = 6.786 RSE = 6.786
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

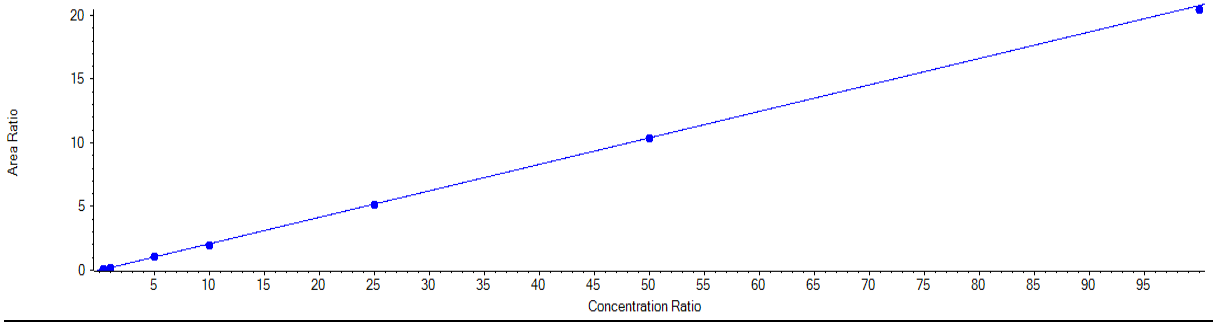
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2
Last Altered: 3/1/2025 10:50:54 AM
Generated: 2/28/2025 12:43:00 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250227.qmethod
Calibration	250228_EPA1633_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
SCI07_250228_25.wiff2	IA1633STD-.2	2/28/2025 12:11:20 PM	1.21	657100	59769	0.438	109.4	1.137	612	True	1.21
SCI07_250228_26.wiff2	IA1633STD-.5	2/28/2025 12:20:13 PM	1.21	741300	154967	1.006	100.6	1.045	1451	True	1.43
SCI07_250228_27.wiff2	IA1633STD-2.5	2/28/2025 12:29:08 PM	1.20	693400	715893	4.967	99.3	1.032	5544	True	1.27
SCI07_250228_29.wiff2	IA1633STD-5	2/28/2025 12:49:16 PM	1.19	732800	1429966	9.388	93.9	0.976	6576	True	1.42
SCI07_250228_30.wiff2	IA1633STD-12.5	2/28/2025 12:58:10 PM	1.20	658000	3393770	24.811	99.2	1.031	9614	True	1.24
SCI07_250228_31.wiff2	IA1633STD-25	2/28/2025 1:07:04 PM	1.21	666700	6876291	49.619	99.2	1.031	15834	True	1.31
SCI07_250228_32.wiff2	IA1633STD-50	2/28/2025 1:15:56 PM	1.21	621600	12706824	98.339	98.3	1.022	17281	True	1.36

Analyte Name: PFPeA
Regression Equation: Y = 1.039 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.010 Avg. RF = 1.039 RSD = 4.662 RSE = 4.662
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

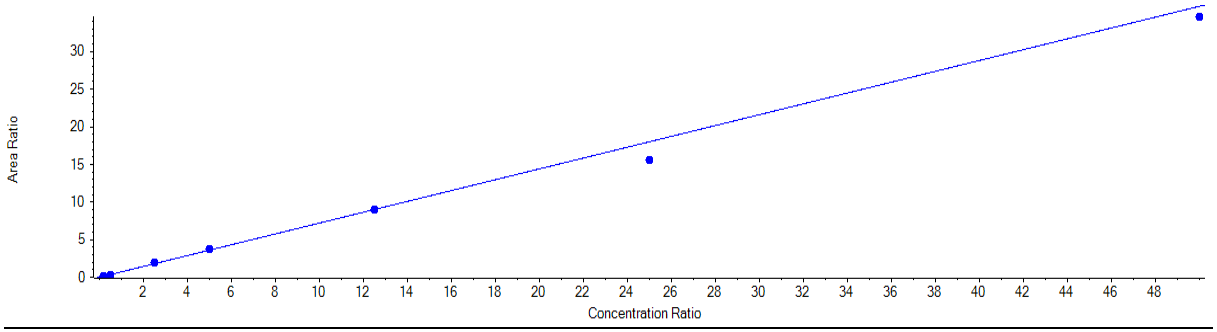
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2
Last Altered: 3/1/2025 10:50:54 AM
Generated: 2/28/2025 12:43:00 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250227.qmethod
Calibration	250228_EPA1633_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
SCI07_250228_25.wiff2	IA1633STD-.2	2/28/2025 12:11:20 PM	2.05	324100	45556	0.195	97.6	1.757	409	True	0.83
SCI07_250228_26.wiff2	IA1633STD-.5	2/28/2025 12:20:13 PM	2.05	326800	121775	0.517	103.5	1.863	1025	True	1.15
SCI07_250228_27.wiff2	IA1633STD-2.5	2/28/2025 12:29:08 PM	2.04	297900	596209	2.778	111.1	2.001	5224	True	1.05
SCI07_250228_29.wiff2	IA1633STD-5	2/28/2025 12:49:16 PM	2.04	319800	1207830	5.243	104.9	1.888	10080	True	1.22
SCI07_250228_30.wiff2	IA1633STD-12.5	2/28/2025 12:58:10 PM	2.04	298100	2689167	12.522	100.2	1.804	12703	True	1.04
SCI07_250228_31.wiff2	IA1633STD-25	2/28/2025 1:07:04 PM	2.04	346000	5402134	21.677	86.7	1.561	29242	True	1.21
SCI07_250228_32.wiff2	IA1633STD-50	2/28/2025 1:15:56 PM	2.05	292800	10134669	48.047	96.1	1.731	38370	True	1.01

Analyte Name: PFHxA
Regression Equation: Y = 1.801 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.056 Avg. RF = 1.801 RSD = 7.720 RSE = 7.720
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

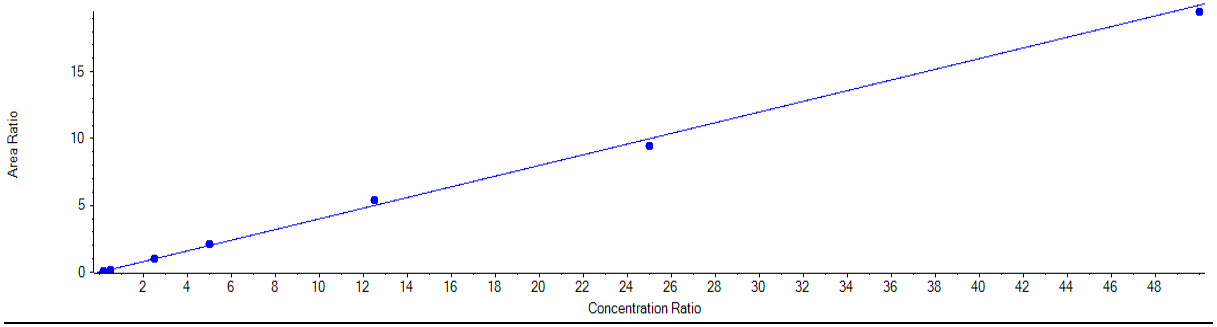
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2
Last Altered: 3/1/2025 10:50:54 AM
Generated: 2/28/2025 12:43:00 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250227.qmethod
Calibration	250228_EPA1633_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
SCI07_250228_25.wiff2	IA1633STD-.2	2/28/2025 12:11:20 PM	2.72	555800	44318	0.199	99.8	0.997	320	True	0.70
SCI07_250228_26.wiff2	IA1633STD-.5	2/28/2025 12:20:13 PM	2.72	634900	119702	0.472	94.3	0.943	749	True	1.20
SCI07_250228_27.wiff2	IA1633STD-2.5	2/28/2025 12:29:08 PM	2.71	603400	608753	2.524	101.0	1.009	4468	True	1.13
SCI07_250228_29.wiff2	IA1633STD-5	2/28/2025 12:49:16 PM	2.72	611200	1279677	5.238	104.8	1.047	9352	True	0.88
SCI07_250228_30.wiff2	IA1633STD-12.5	2/28/2025 12:58:10 PM	2.72	500700	2705646	13.519	108.2	1.081	19345	True	0.84
SCI07_250228_31.wiff2	IA1633STD-25	2/28/2025 1:07:04 PM	2.72	574400	5426998	23.637	94.6	0.945	37895	True	0.95
SCI07_250228_32.wiff2	IA1633STD-50	2/28/2025 1:15:56 PM	2.72	528700	10302551	48.747	97.5	0.974	47713	True	1.00

Analyte Name: PFHpA
Regression Equation: Y = 0.999 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.021 Avg. RF = 0.999 RSD = 5.136 RSE = 5.136
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

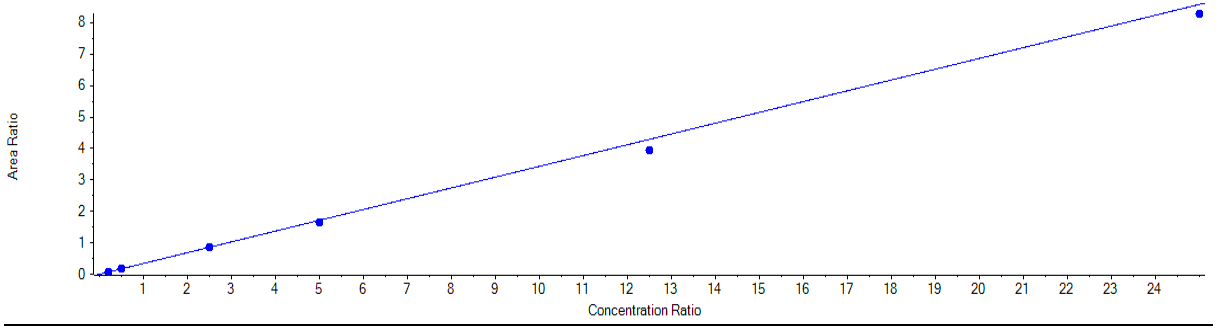
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2
Last Altered: 3/1/2025 10:50:54 AM
Generated: 2/28/2025 12:43:00 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250227.qmethod
Calibration	250228_EPA1633_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
SCI07_250228_25.wiff2	IA1633STD-.2	2/28/2025 12:11:20 PM	3.21	664600	53871	0.236	118.1	1.013	218	True	0.20
SCI07_250228_26.wiff2	IA1633STD-.5	2/28/2025 12:20:13 PM	3.21	729000	120219	0.480	96.1	0.825	305	True	0.17
SCI07_250228_27.wiff2	IA1633STD-2.5	2/28/2025 12:29:08 PM	3.20	697900	608839	2.541	101.6	0.872	815	True	0.19
SCI07_250228_29.wiff2	IA1633STD-5	2/28/2025 12:49:16 PM	3.21	799000	1308625	4.771	95.4	0.819	1118	True	0.19
SCI07_250228_30.wiff2	IA1633STD-12.5	2/28/2025 12:58:10 PM	3.21	740200	2932338	11.539	92.3	0.792	1338	True	0.18
SCI07_250228_31.wiff2	IA1633STD-25	2/28/2025 1:07:04 PM	3.21	671800	5563530	24.125	96.5	0.828	1434	True	0.19
SCI07_250228_32.wiff2	IA1633STD-50	2/28/2025 1:15:56 PM	N/A	N/A	N/A	N/A	N/A	N/A	N/A	False	N/A

Analyte Name: PFOA
Regression Equation: Y = 0.858 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.032 Avg. RF = 0.858 RSD = 9.342 RSE = 9.342
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

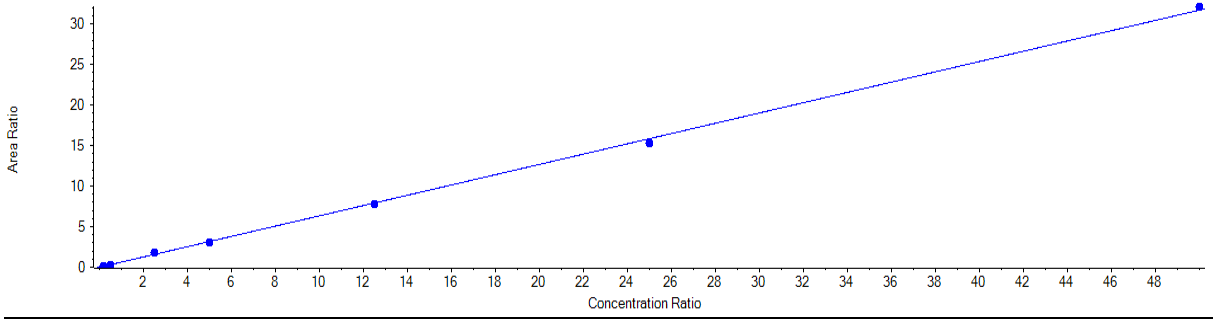
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2
Last Altered: 3/1/2025 10:50:54 AM
Generated: 2/28/2025 12:43:00 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250227.qmethod
Calibration	250228_EPA1633_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
SCI07_250228_25.wiff2	IA1633STD-.2	2/28/2025 12:11:20 PM	3.64	318900	39644	0.196	97.9	0.777	188	True	0.24
SCI07_250228_26.wiff2	IA1633STD-.5	2/28/2025 12:20:13 PM	3.64	363900	109347	0.473	94.7	0.751	459	True	0.28
SCI07_250228_27.wiff2	IA1633STD-2.5	2/28/2025 12:29:08 PM	3.63	321300	579334	2.841	113.7	0.902	1123	True	0.22
SCI07_250228_29.wiff2	IA1633STD-5	2/28/2025 12:49:16 PM	3.64	380600	1188049	4.919	98.4	0.780	1575	True	0.26
SCI07_250228_30.wiff2	IA1633STD-12.5	2/28/2025 12:58:10 PM	3.63	317700	2467881	12.237	97.9	0.777	1718	True	0.24
SCI07_250228_31.wiff2	IA1633STD-25	2/28/2025 1:07:04 PM	3.63	329200	5025281	24.049	96.2	0.763	1789	True	0.25
SCI07_250228_32.wiff2	IA1633STD-50	2/28/2025 1:15:56 PM	3.64	311800	10020072	50.629	101.3	0.803	1980	True	0.28

Analyte Name: PFNA
Regression Equation: Y = 0.793 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.040 Avg. RF = 0.793 RSD = 6.349 RSE = 6.349
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

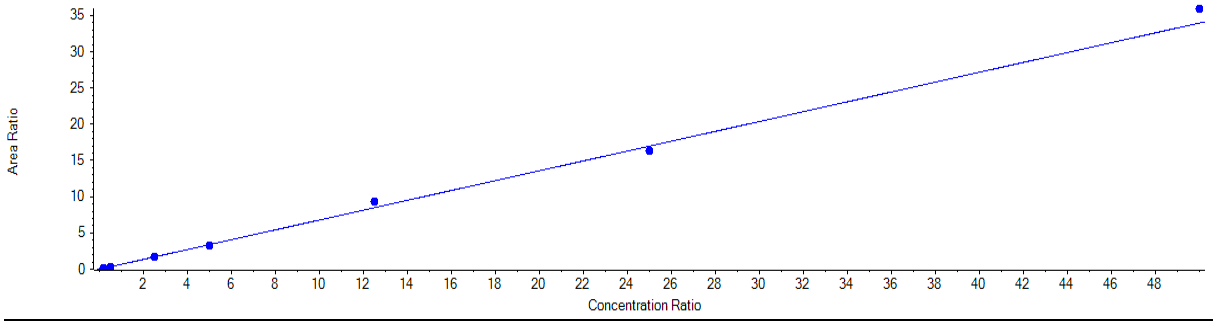
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2
Last Altered: 3/1/2025 10:50:54 AM
Generated: 2/28/2025 12:43:00 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250227.qmethod
Calibration	250228_EPA1633_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
SCI07_250228_25.wiff2	IA1633STD-.2	2/28/2025 12:11:20 PM	4.04	339200	43748	0.190	95.0	0.806	267	True	1.02
SCI07_250228_26.wiff2	IA1633STD-.5	2/28/2025 12:20:13 PM	4.04	384500	122299	0.468	93.7	0.795	781	True	1.29
SCI07_250228_27.wiff2	IA1633STD-2.5	2/28/2025 12:29:08 PM	4.03	361100	628872	2.564	102.6	0.871	3386	True	1.09
SCI07_250228_29.wiff2	IA1633STD-5	2/28/2025 12:49:16 PM	4.04	380800	1253933	4.848	97.0	0.823	5525	True	1.10
SCI07_250228_30.wiff2	IA1633STD-12.5	2/28/2025 12:58:10 PM	4.04	330000	3082542	13.754	110.0	0.934	8608	True	0.94
SCI07_250228_31.wiff2	IA1633STD-25	2/28/2025 1:07:04 PM	4.04	327300	5339257	24.023	96.1	0.816	9149	True	1.00
SCI07_250228_32.wiff2	IA1633STD-50	2/28/2025 1:15:56 PM	4.04	288600	10360707	52.868	105.7	0.898	61113	True	1.16

Analyte Name: PFDA
Regression Equation: Y = 0.849 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.042 Avg. RF = 0.849 RSD = 6.196 RSE = 6.196
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

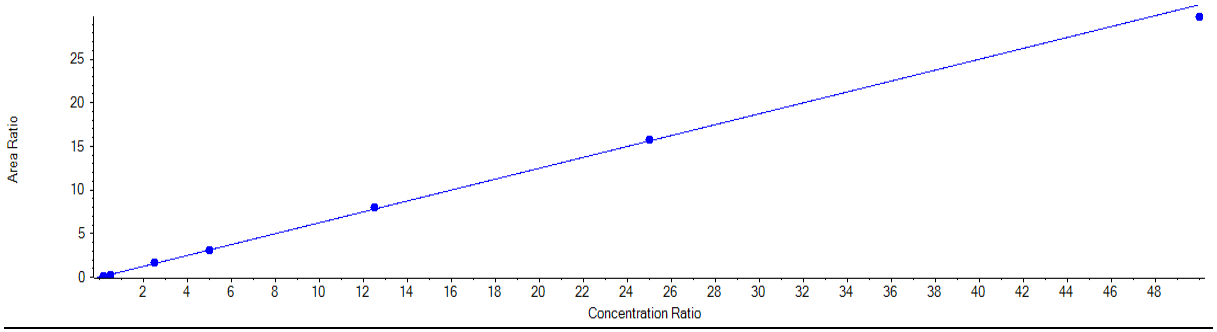
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2
Last Altered: 3/1/2025 10:50:54 AM
Generated: 2/28/2025 12:43:00 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250227.qmethod
Calibration	250228_EPA1633_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
SCI07_250228_25.wiff2	IA1633STD-.2	2/28/2025 12:11:20 PM	4.44	362000	43327	0.192	95.8	0.748	293	True	1.34
SCI07_250228_26.wiff2	IA1633STD-.5	2/28/2025 12:20:13 PM	4.43	396700	124896	0.504	100.8	0.787	896	True	1.05
SCI07_250228_27.wiff2	IA1633STD-2.5	2/28/2025 12:29:08 PM	4.43	359500	586535	2.612	104.5	0.816	4168	True	1.29
SCI07_250228_29.wiff2	IA1633STD-5	2/28/2025 12:49:16 PM	4.43	386400	1218468	5.047	100.9	0.788	8928	True	0.88
SCI07_250228_30.wiff2	IA1633STD-12.5	2/28/2025 12:58:10 PM	4.43	328900	2614922	12.725	101.8	0.795	7301	True	1.18
SCI07_250228_31.wiff2	IA1633STD-25	2/28/2025 1:07:04 PM	4.43	327600	5152712	25.176	100.7	0.787	36874	True	1.17
SCI07_250228_32.wiff2	IA1633STD-50	2/28/2025 1:15:56 PM	4.43	318200	9495844	47.769	95.5	0.746	65484	True	0.97

Analyte Name: PFUnA
Regression Equation: Y = 0.781 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.020 Avg. RF = 0.781 RSD = 3.233 RSE = 3.233
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

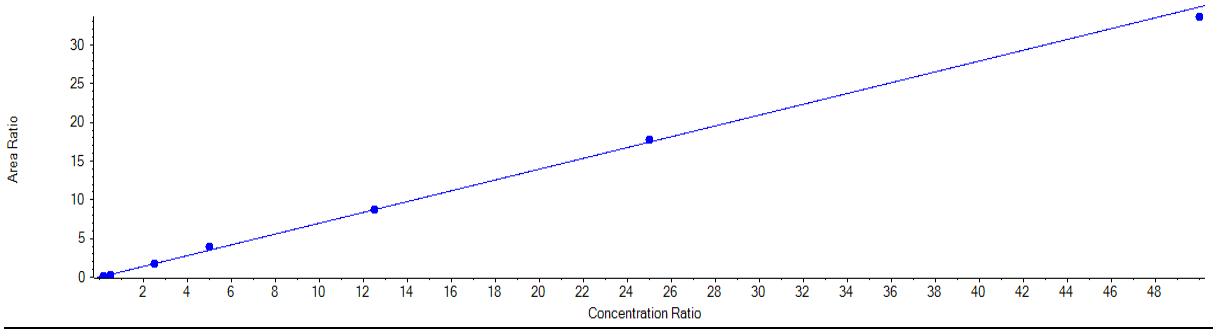
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2
Last Altered: 3/1/2025 10:50:54 AM
Generated: 2/28/2025 12:43:00 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250227.qmethod
Calibration	250228_EPA1633_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
SCI07_250228_25.wiff2	IA1633STD-.2	2/28/2025 12:11:20 PM	4.82	327900	45373	0.198	99.1	0.865	379	True	1.09
SCI07_250228_26.wiff2	IA1633STD-.5	2/28/2025 12:20:13 PM	4.82	355900	110857	0.446	89.2	0.779	855	True	1.40
SCI07_250228_27.wiff2	IA1633STD-2.5	2/28/2025 12:29:08 PM	4.81	341200	610933	2.564	102.6	0.895	3044	True	1.24
SCI07_250228_29.wiff2	IA1633STD-5	2/28/2025 12:49:16 PM	4.82	341100	1320470	5.544	110.9	0.968	5779	True	1.14
SCI07_250228_30.wiff2	IA1633STD-12.5	2/28/2025 12:58:10 PM	4.81	313700	2749346	12.550	100.4	0.876	5703	True	1.04
SCI07_250228_31.wiff2	IA1633STD-25	2/28/2025 1:07:04 PM	4.81	307700	5455063	25.389	101.6	0.887	7033	True	1.06
SCI07_250228_32.wiff2	IA1633STD-50	2/28/2025 1:15:56 PM	4.82	305700	10282282	48.168	96.3	0.841	6825	True	1.33

Analyte Name: PFDoA
Regression Equation: Y = 0.873 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.046 Avg. RF = 0.873 RSD = 6.562 RSE = 6.562
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

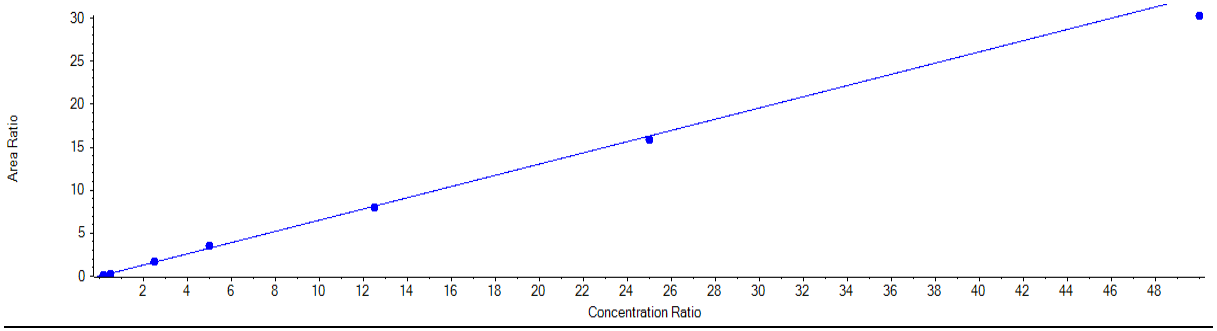
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2
Last Altered: 3/1/2025 10:50:54 AM
Generated: 2/28/2025 12:43:00 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250227.qmethod
Calibration	250228_EPA1633_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
SCI07_250228_25.wiff2	IA1633STD-.2	2/28/2025 12:11:20 PM	5.20	327900	44282	0.207	103.6	0.844	448	True	0.94
SCI07_250228_26.wiff2	IA1633STD-.5	2/28/2025 12:20:13 PM	5.19	355900	111412	0.480	96.0	0.783	1038	True	1.22
SCI07_250228_27.wiff2	IA1633STD-2.5	2/28/2025 12:29:08 PM	5.18	341200	578808	2.602	104.1	0.848	5471	True	1.07
SCI07_250228_29.wiff2	IA1633STD-5	2/28/2025 12:49:16 PM	5.19	341100	1192349	5.362	107.2	0.874	4426	True	1.00
SCI07_250228_30.wiff2	IA1633STD-12.5	2/28/2025 12:58:10 PM	5.19	313700	2523636	12.339	98.7	0.805	22788	True	0.87
SCI07_250228_31.wiff2	IA1633STD-25	2/28/2025 1:07:04 PM	5.19	307700	4893573	24.394	97.6	0.795	6550	True	0.92
SCI07_250228_32.wiff2	IA1633STD-50	2/28/2025 1:15:56 PM	5.19	305700	9250651	46.415	92.8	0.757	78702	True	1.14

Analyte Name: PFTrDA
Regression Equation: Y = 0.815 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.033 Avg. RF = 0.815 RSD = 5.105 RSE = 5.105
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

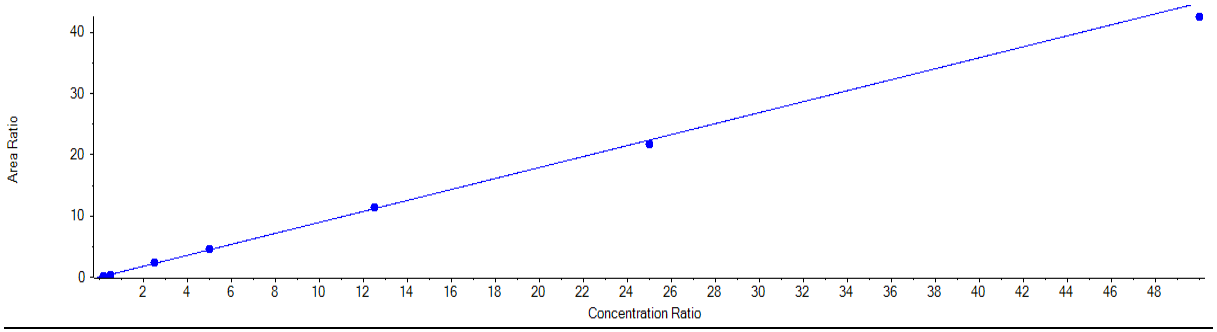
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2
Last Altered: 3/1/2025 10:50:54 AM
Generated: 2/28/2025 12:43:00 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250227.qmethod
Calibration	250228_EPA1633_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
SCI07_250228_25.wiff2	IA1633STD-.2	2/28/2025 12:11:20 PM	5.56	214300	37754	0.196	98.2	1.101	434	True	0.75
SCI07_250228_26.wiff2	IA1633STD-.5	2/28/2025 12:20:13 PM	5.55	234700	102275	0.486	97.2	1.089	1124	True	1.00
SCI07_250228_27.wiff2	IA1633STD-2.5	2/28/2025 12:29:08 PM	5.55	216700	527220	2.713	108.5	1.217	5921	True	1.02
SCI07_250228_29.wiff2	IA1633STD-5	2/28/2025 12:49:16 PM	5.55	234800	1076001	5.110	102.2	1.146	12399	True	1.31
SCI07_250228_30.wiff2	IA1633STD-12.5	2/28/2025 12:58:10 PM	5.55	205300	2339833	12.709	101.7	1.140	25637	True	1.30
SCI07_250228_31.wiff2	IA1633STD-25	2/28/2025 1:07:04 PM	5.55	209800	4576977	24.329	97.3	1.091	49787	True	1.23
SCI07_250228_32.wiff2	IA1633STD-50	2/28/2025 1:15:56 PM	5.55	204400	8696607	47.447	94.9	1.064	51866	True	0.93

Analyte Name: PFTeDA
Regression Equation: Y = 1.121 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.041 Avg. RF = 1.121 RSD = 4.560 RSE = 4.560
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

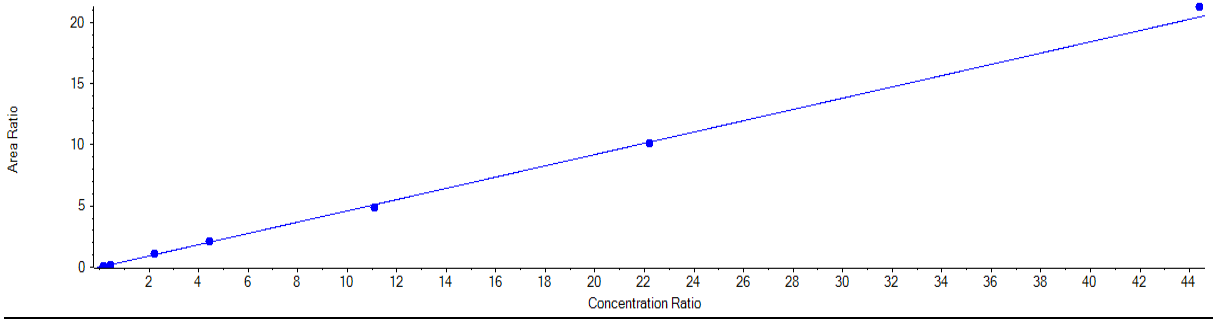
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2
Last Altered: 3/1/2025 10:50:54 AM
Generated: 2/28/2025 12:43:00 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250227.qmethod
Calibration	250228_EPA1633_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
SCI07_250228_25.wiff2	IA1633STD-.2	2/28/2025 12:11:20 PM	2.05	311700	25868	0.180	101.2	1.086	227	True	1.18
SCI07_250228_26.wiff2	IA1633STD-.5	2/28/2025 12:20:13 PM	2.05	364100	68055	0.406	91.4	0.981	573	True	0.90
SCI07_250228_27.wiff2	IA1633STD-2.5	2/28/2025 12:29:08 PM	2.03	329100	352512	2.326	104.8	1.124	2888	True	1.10
SCI07_250228_29.wiff2	IA1633STD-5	2/28/2025 12:49:16 PM	2.03	341000	728782	4.640	104.5	1.121	5724	True	1.38
SCI07_250228_30.wiff2	IA1633STD-12.5	2/28/2025 12:58:10 PM	2.04	323800	1578341	10.584	95.4	1.023	8388	True	1.13
SCI07_250228_31.wiff2	IA1633STD-25	2/28/2025 1:07:04 PM	2.04	315400	3182353	21.906	98.7	1.059	8424	True	0.92
SCI07_250228_32.wiff2	IA1633STD-50	2/28/2025 1:15:56 PM	2.04	287700	6120907	46.203	104.1	1.117	12596	True	1.08

Analyte Name: PFBS
Regression Equation: Y = 1.073 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.024 Avg. RF = 1.073 RSD = 5.135 RSE = 5.135
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

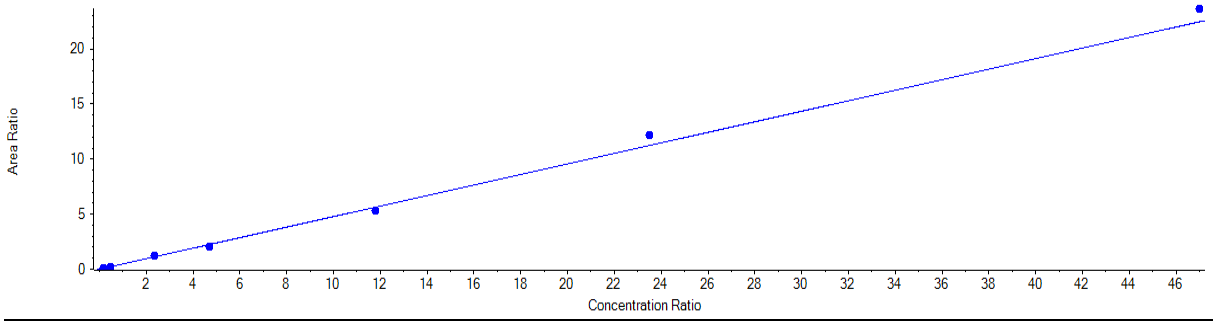
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2
Last Altered: 3/1/2025 10:50:54 AM
Generated: 2/28/2025 12:43:00 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250227.qmethod
Calibration	250228_EPA1633_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
SCI07_250228_25.wiff2	IA1633STD-.2	2/28/2025 12:11:20 PM	2.78	277700	25240	0.190	101.1	1.146	187	True	1.42
SCI07_250228_26.wiff2	IA1633STD-.5	2/28/2025 12:20:13 PM	2.78	307400	62360	0.424	90.3	1.023	491	True	1.13
SCI07_250228_27.wiff2	IA1633STD-2.5	2/28/2025 12:29:08 PM	2.77	275100	343377	2.610	111.1	1.259	2515	True	1.53
SCI07_250228_29.wiff2	IA1633STD-5	2/28/2025 12:49:16 PM	2.78	345800	691612	4.183	89.0	1.008	4800	True	0.97
SCI07_250228_30.wiff2	IA1633STD-12.5	2/28/2025 12:58:10 PM	2.78	267900	1428880	11.155	94.5	1.071	10422	True	1.35
SCI07_250228_31.wiff2	IA1633STD-25	2/28/2025 1:07:04 PM	2.78	260000	3178349	25.567	108.8	1.233	14187	True	1.41
SCI07_250228_32.wiff2	IA1633STD-50	2/28/2025 1:15:56 PM	2.78	247800	5860261	49.452	105.2	1.192	18085	True	1.10

Analyte Name: PFPeS
Regression Equation: Y = 1.133 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.043 Avg. RF = 1.133 RSD = 8.891 RSE = 8.891
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

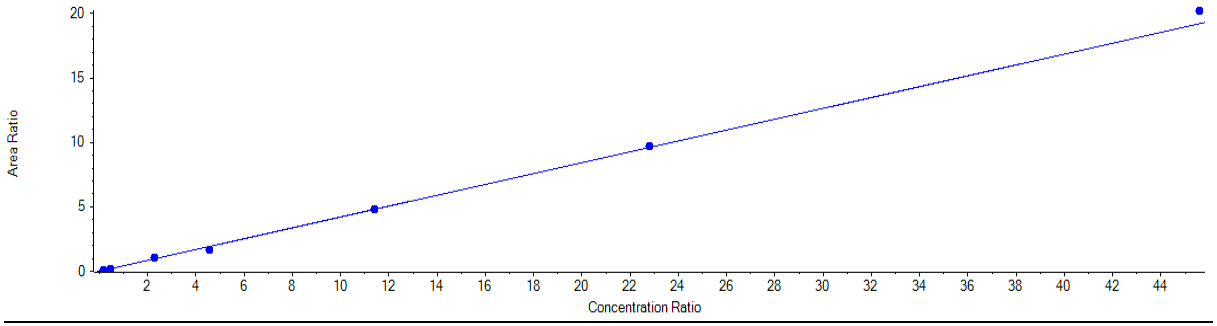
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2
Last Altered: 3/1/2025 10:50:54 AM
Generated: 2/28/2025 12:43:00 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250227.qmethod
Calibration	250228_EPA1633_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
SCI07_250228_25.wiff2	IA1633STD-.2	2/28/2025 12:11:20 PM	3.32	277700	21234	0.181	99.7	0.996	109	True	0.27
SCI07_250228_26.wiff2	IA1633STD-.5	2/28/2025 12:20:13 PM	3.31	307400	56934	0.440	96.4	0.963	294	True	0.26
SCI07_250228_27.wiff2	IA1633STD-2.5	2/28/2025 12:29:08 PM	3.31	275100	294664	2.542	111.5	1.113	1425	True	0.23
SCI07_250228_29.wiff2	IA1633STD-5	2/28/2025 12:49:16 PM	3.31	345800	579799	3.979	87.3	0.871	1736	True	0.23
SCI07_250228_30.wiff2	IA1633STD-12.5	2/28/2025 12:58:10 PM	3.31	267900	1277403	11.318	99.3	0.991	2252	True	0.21
SCI07_250228_31.wiff2	IA1633STD-25	2/28/2025 1:07:04 PM	3.31	260000	2514379	22.954	100.7	1.005	2041	True	0.22
SCI07_250228_32.wiff2	IA1633STD-50	2/28/2025 1:15:56 PM	3.31	247800	5007963	47.959	105.2	1.050	2139	True	0.18

Analyte Name: PFHxS
Regression Equation: Y = 0.999 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.031 Avg. RF = 0.999 RSD = 7.473 RSE = 7.473
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

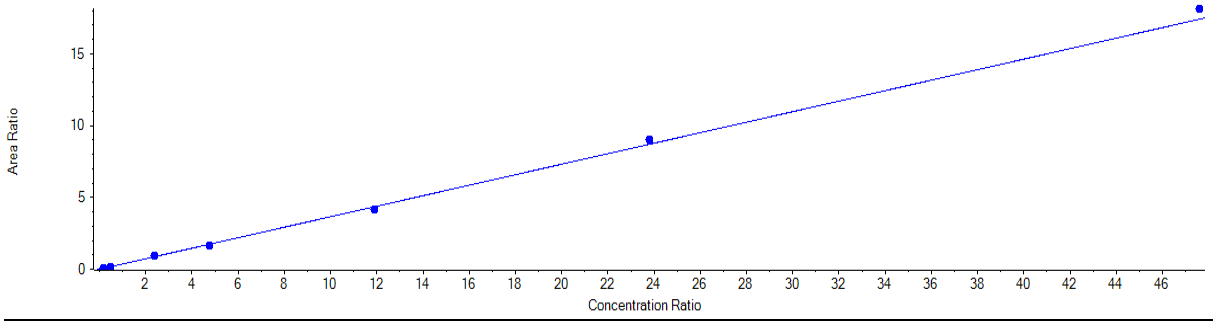
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2
Last Altered: 3/1/2025 10:50:54 AM
Generated: 2/28/2025 12:43:00 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250227.qmethod
Calibration	250228_EPA1633_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
SCI07_250228_25.wiff2	IA1633STD-.2	2/28/2025 12:11:20 PM	3.77	345800	23807	0.188	99.1	0.870	129	True	0.98
SCI07_250228_26.wiff2	IA1633STD-.5	2/28/2025 12:20:13 PM	3.77	363900	60578	0.455	95.6	0.839	359	True	0.83
SCI07_250228_27.wiff2	IA1633STD-2.5	2/28/2025 12:29:08 PM	3.76	349500	325317	2.545	106.9	0.939	1904	True	1.26
SCI07_250228_29.wiff2	IA1633STD-5	2/28/2025 12:49:16 PM	3.77	384600	641186	4.558	95.8	0.841	3791	True	1.17
SCI07_250228_30.wiff2	IA1633STD-12.5	2/28/2025 12:58:10 PM	3.76	326200	1351573	11.328	95.2	0.836	7987	True	1.02
SCI07_250228_31.wiff2	IA1633STD-25	2/28/2025 1:07:04 PM	3.76	327000	2941055	24.592	103.3	0.907	8371	True	1.09
SCI07_250228_32.wiff2	IA1633STD-50	2/28/2025 1:15:56 PM	3.77	297600	5396247	49.572	104.1	0.914	16078	True	1.24

Analyte Name: PFHpS
Regression Equation: Y = 0.878 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.018 Avg. RF = 0.878 RSD = 4.786 RSE = 4.786
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

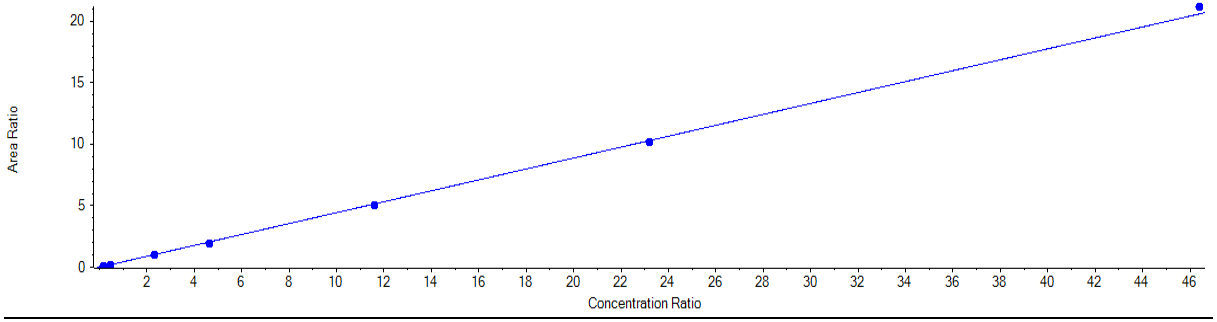
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2
Last Altered: 3/1/2025 10:50:54 AM
Generated: 2/28/2025 12:43:00 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250227.qmethod
Calibration	250228_EPA1633_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
SCI07_250228_25.wiff2	IA1633STD-.2	2/28/2025 12:11:20 PM	4.20	345800	29431	0.192	103.1	1.098	126	True	0.14
SCI07_250228_26.wiff2	IA1633STD-.5	2/28/2025 12:20:13 PM	4.19	363900	77536	0.480	103.5	1.102	261	True	0.14
SCI07_250228_27.wiff2	IA1633STD-2.5	2/28/2025 12:29:08 PM	4.18	349500	367511	2.370	102.1	1.088	712	True	0.18
SCI07_250228_29.wiff2	IA1633STD-5	2/28/2025 12:49:16 PM	4.19	384600	727509	4.263	91.9	0.978	750	True	0.18
SCI07_250228_30.wiff2	IA1633STD-12.5	2/28/2025 12:58:10 PM	4.18	326200	1643405	11.354	97.9	1.042	1133	True	0.17
SCI07_250228_31.wiff2	IA1633STD-25	2/28/2025 1:07:04 PM	4.18	327000	3323757	22.909	98.7	1.052	1068	True	0.17
SCI07_250228_32.wiff2	IA1633STD-50	2/28/2025 1:15:56 PM	4.19	297600	6297534	47.687	102.8	1.095	1007	True	0.19

Analyte Name: PFOS
Regression Equation: Y = 1.065 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.019 Avg. RF = 1.065 RSD = 4.207 RSE = 4.207
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

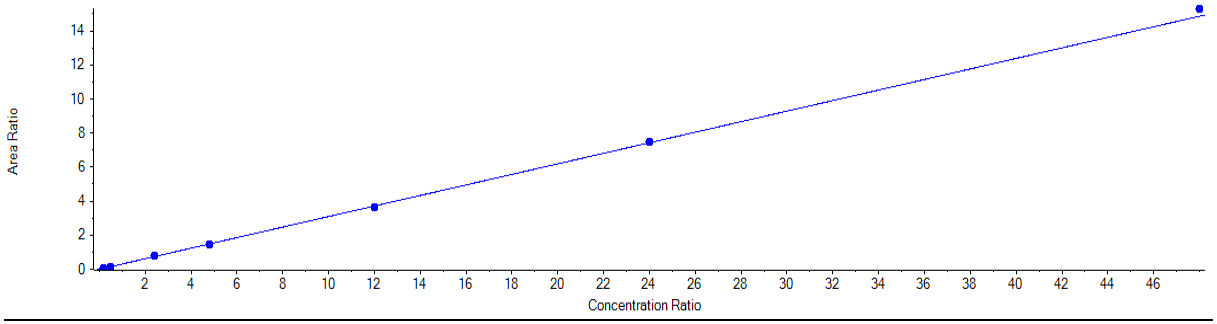
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2
Last Altered: 3/1/2025 10:50:54 AM
Generated: 2/28/2025 12:43:00 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250227.qmethod
Calibration	250228_EPA1633_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
SCI07_250228_25.wiff2	IA1633STD-.2	2/28/2025 12:11:20 PM	4.60	345800	19585	0.183	95.3	0.708	141	True	1.29
SCI07_250228_26.wiff2	IA1633STD-.5	2/28/2025 12:20:13 PM	4.59	363900	53214	0.472	98.4	0.731	377	True	0.96
SCI07_250228_27.wiff2	IA1633STD-2.5	2/28/2025 12:29:08 PM	4.59	349500	279362	2.582	107.6	0.799	1970	True	0.92
SCI07_250228_29.wiff2	IA1633STD-5	2/28/2025 12:49:16 PM	4.59	384600	560404	4.706	98.0	0.729	3865	True	1.29
SCI07_250228_30.wiff2	IA1633STD-12.5	2/28/2025 12:58:10 PM	4.59	326200	1177350	11.658	97.2	0.722	7887	True	1.15
SCI07_250228_31.wiff2	IA1633STD-25	2/28/2025 1:07:04 PM	4.59	327000	2445908	24.161	100.7	0.748	9742	True	1.23
SCI07_250228_32.wiff2	IA1633STD-50	2/28/2025 1:15:56 PM	4.59	297600	4551947	49.400	102.9	0.765	6370	True	0.96

Analyte Name: PFNS
Regression Equation: Y = 0.743 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.013 Avg. RF = 0.743 RSD = 4.148 RSE = 4.148
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

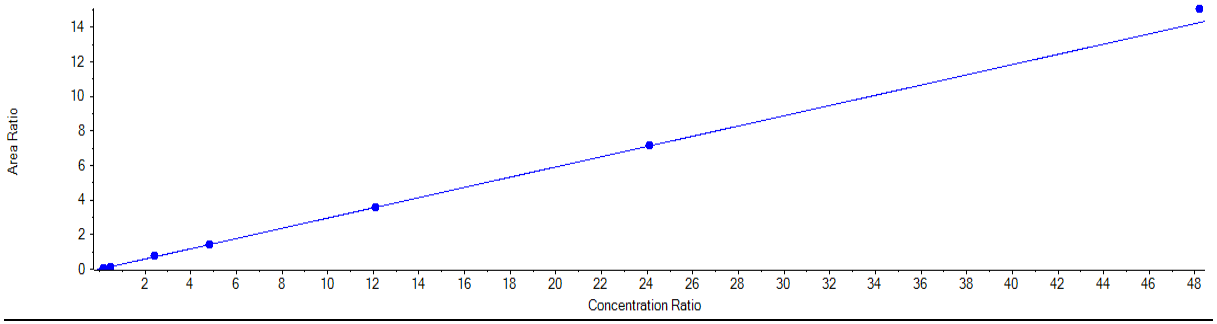
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2
Last Altered: 3/1/2025 10:50:54 AM
Generated: 2/28/2025 12:43:00 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250227.qmethod
Calibration	250228_EPA1633_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
SCI07_250228_25.wiff2	IA1633STD-.2	2/28/2025 12:11:20 PM	4.98	345800	19916	0.194	100.7	0.716	173	True	1.44
SCI07_250228_26.wiff2	IA1633STD-.5	2/28/2025 12:20:13 PM	4.98	363900	44821	0.416	86.3	0.613	374	True	0.93
SCI07_250228_27.wiff2	IA1633STD-2.5	2/28/2025 12:29:08 PM	4.97	349500	265803	2.567	106.5	0.757	2151	True	1.21
SCI07_250228_29.wiff2	IA1633STD-5	2/28/2025 12:49:16 PM	4.98	384600	552446	4.849	100.6	0.715	4518	True	0.87
SCI07_250228_30.wiff2	IA1633STD-12.5	2/28/2025 12:58:10 PM	4.97	326200	1162107	12.027	99.4	0.707	9041	True	1.10
SCI07_250228_31.wiff2	IA1633STD-25	2/28/2025 1:07:04 PM	4.97	327000	2355137	24.316	100.9	0.717	6977	True	1.15
SCI07_250228_32.wiff2	IA1633STD-50	2/28/2025 1:15:56 PM	4.98	297600	4486580	50.893	105.6	0.751	8137	True	1.00

Analyte Name: PFDS
Regression Equation: Y = 0.711 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.020 Avg. RF = 0.711 RSD = 6.641 RSE = 6.641
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

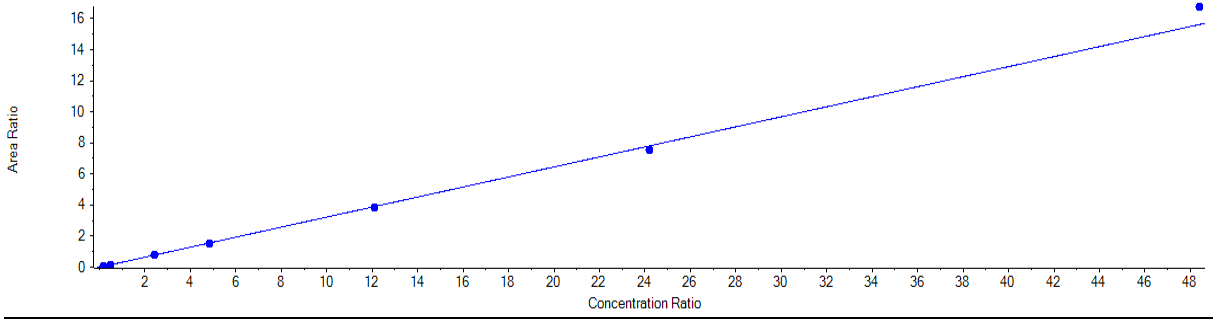
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2
Last Altered: 3/1/2025 10:50:54 AM
Generated: 2/28/2025 12:43:00 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250227.qmethod
Calibration	250228_EPA1633_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
SCI07_250228_25.wiff2	IA1633STD-.2	2/28/2025 12:11:20 PM	5.72	345800	22032	0.197	101.8	0.788	321	True	0.97
SCI07_250228_26.wiff2	IA1633STD-.5	2/28/2025 12:20:13 PM	5.71	363900	53508	0.456	94.2	0.729	749	True	1.24
SCI07_250228_27.wiff2	IA1633STD-2.5	2/28/2025 12:29:08 PM	5.70	349500	288298	2.556	105.6	0.818	4048	True	1.15
SCI07_250228_29.wiff2	IA1633STD-5	2/28/2025 12:49:16 PM	5.71	384600	576201	4.643	95.9	0.743	5249	True	0.91
SCI07_250228_30.wiff2	IA1633STD-12.5	2/28/2025 12:58:10 PM	5.71	326200	1253815	11.913	98.5	0.762	6166	True	0.96
SCI07_250228_31.wiff2	IA1633STD-25	2/28/2025 1:07:04 PM	5.71	327000	2471482	23.425	96.8	0.750	33824	True	0.88
SCI07_250228_32.wiff2	IA1633STD-50	2/28/2025 1:15:56 PM	5.71	297600	4986136	51.922	107.3	0.831	67198	True	1.07

Analyte Name: PFDoS
Regression Equation: Y = 0.774 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.016 Avg. RF = 0.774 RSD = 5.022 RSE = 5.022
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

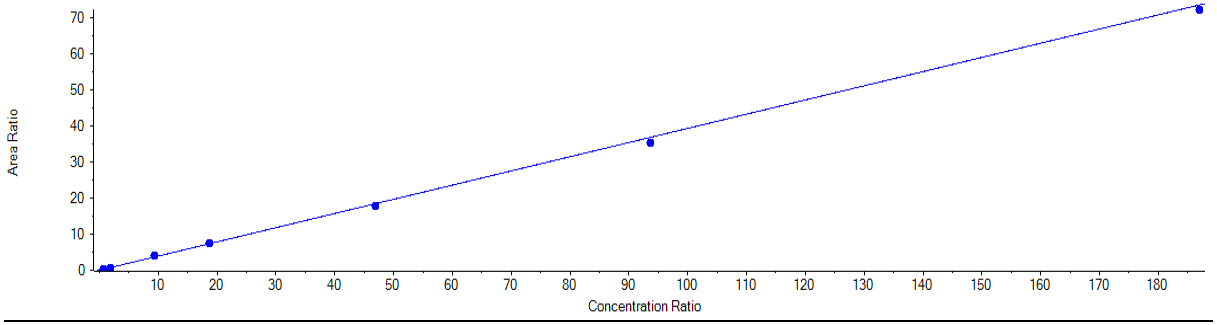
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2
Last Altered: 3/1/2025 10:50:54 AM
Generated: 2/28/2025 12:43:00 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250227.qmethod
Calibration	250228_EPA1633_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
SCI07_250228_25.wiff2	IA1633STD-.2	2/28/2025 12:11:20 PM	1.80	79080	24197	0.777	103.5	1.913	316	True	1.17
SCI07_250228_26.wiff2	IA1633STD-.5	2/28/2025 12:20:13 PM	1.79	86940	59242	1.729	92.5	1.709	747	True	1.23
SCI07_250228_27.wiff2	IA1633STD-2.5	2/28/2025 12:29:08 PM	1.79	76840	315900	10.432	111.3	2.058	3796	True	1.02
SCI07_250228_29.wiff2	IA1633STD-5	2/28/2025 12:49:16 PM	1.78	86330	645332	18.969	101.4	1.875	7877	True	1.11
SCI07_250228_30.wiff2	IA1633STD-12.5	2/28/2025 12:58:10 PM	1.79	81230	1462071	45.675	97.4	1.800	10936	True	1.07
SCI07_250228_31.wiff2	IA1633STD-25	2/28/2025 1:07:04 PM	1.79	84010	2968476	89.669	95.7	1.769	19930	True	1.20
SCI07_250228_32.wiff2	IA1633STD-50	2/28/2025 1:15:56 PM	1.79	86040	6221503	183.509	98.1	1.814	15081	True	0.97

Analyte Name: 4:2FTS
Regression Equation: Y = 1.848 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.024 Avg. RF = 1.848 RSD = 6.172 RSE = 6.172
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

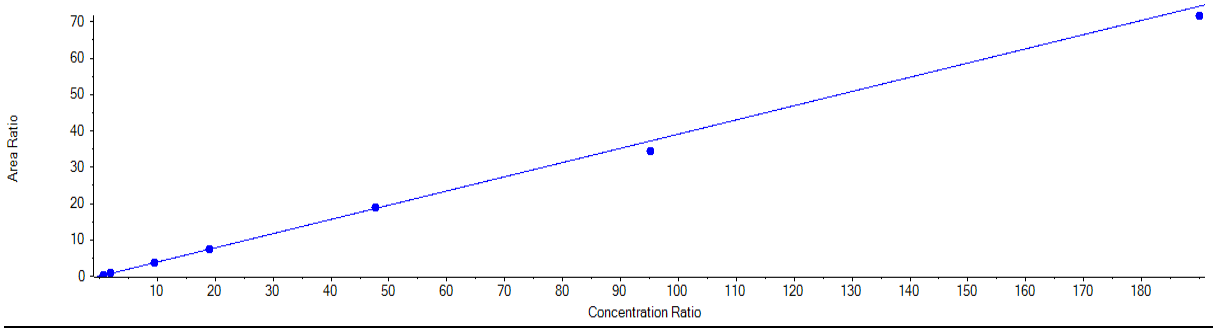
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2
Last Altered: 3/1/2025 10:50:54 AM
Generated: 2/28/2025 12:43:00 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250227.qmethod
Calibration	250228_EPA1633_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
SCI07_250228_25.wiff2	IA1633STD-.2	2/28/2025 12:11:20 PM	3.03	67760	20166	0.761	100.0	1.861	120	True	1.16
SCI07_250228_26.wiff2	IA1633STD-.5	2/28/2025 12:20:13 PM	3.03	70920	56505	2.037	107.2	1.996	386	True	1.52
SCI07_250228_27.wiff2	IA1633STD-2.5	2/28/2025 12:29:08 PM	3.02	66030	250992	9.718	102.2	1.903	1569	True	1.37
SCI07_250228_29.wiff2	IA1633STD-5	2/28/2025 12:49:16 PM	3.03	71680	534140	19.052	100.3	1.867	3458	True	1.20
SCI07_250228_30.wiff2	IA1633STD-12.5	2/28/2025 12:58:10 PM	3.02	62610	1185924	48.427	101.7	1.894	7197	True	1.09
SCI07_250228_31.wiff2	IA1633STD-25	2/28/2025 1:07:04 PM	3.03	72000	2469351	87.687	92.2	1.717	15325	True	1.20
SCI07_250228_32.wiff2	IA1633STD-50	2/28/2025 1:15:56 PM	3.03	71630	5132574	183.189	96.4	1.795	14311	True	1.31

Analyte Name: 6:2FTS
Regression Equation: Y = 1.862 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.018 Avg. RF = 1.862 RSD = 4.714 RSE = 4.714
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

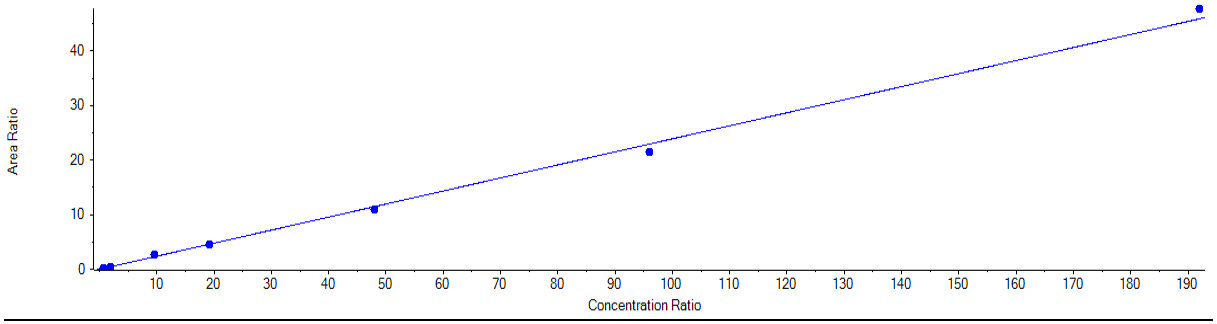
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2
Last Altered: 3/1/2025 10:50:54 AM
Generated: 2/28/2025 12:43:00 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250227.qmethod
Calibration	250228_EPA1633_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
SCI07_250228_25.wiff2	IA1633STD-.2	2/28/2025 12:11:20 PM	3.86	79740	14022	0.735	95.7	1.099	78	True	0.97
SCI07_250228_26.wiff2	IA1633STD-.5	2/28/2025 12:20:13 PM	3.86	76320	33372	1.828	95.2	1.093	197	True	1.49
SCI07_250228_27.wiff2	IA1633STD-2.5	2/28/2025 12:29:08 PM	3.85	77830	206504	11.093	115.6	1.327	1225	True	1.43
SCI07_250228_29.wiff2	IA1633STD-5	2/28/2025 12:49:16 PM	3.86	84750	393972	19.436	101.2	1.162	2201	True	1.38
SCI07_250228_30.wiff2	IA1633STD-12.5	2/28/2025 12:58:10 PM	3.85	83350	904931	45.395	94.6	1.086	4956	True	1.15
SCI07_250228_31.wiff2	IA1633STD-25	2/28/2025 1:07:04 PM	3.85	86670	1864930	89.969	93.7	1.076	6952	True	1.23
SCI07_250228_32.wiff2	IA1633STD-50	2/28/2025 1:15:56 PM	3.86	83570	3990604	199.642	104.0	1.194	8519	True	0.86

Analyte Name: 8:2FTS
Regression Equation: Y = 1.148 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.019 Avg. RF = 1.148 RSD = 7.846 RSE = 7.846
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

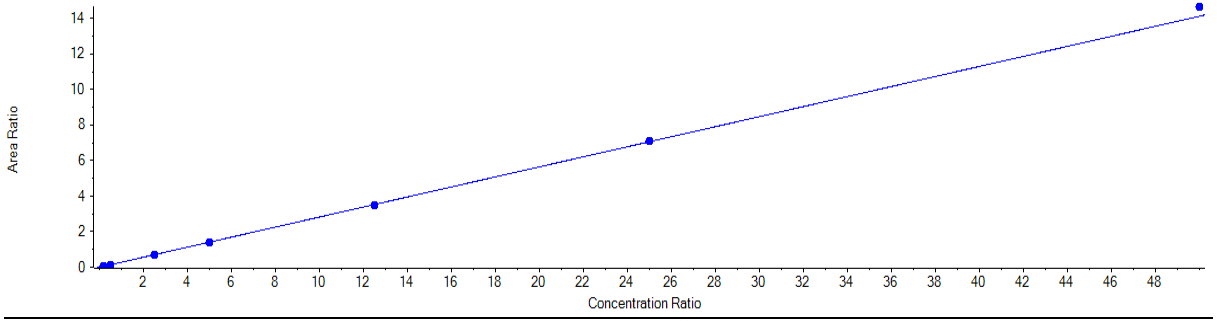
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2
Last Altered: 3/1/2025 10:50:54 AM
Generated: 2/28/2025 12:43:00 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250227.qmethod
Calibration	250228_EPA1633_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
SCI07_250228_25.wiff2	IA1633STD-.2	2/28/2025 12:11:20 PM	5.33	558300	31010	0.197	98.3	0.694	193	True	0.19
SCI07_250228_26.wiff2	IA1633STD-.5	2/28/2025 12:20:13 PM	5.33	627400	83461	0.471	94.2	0.665	546	True	0.19
SCI07_250228_27.wiff2	IA1633STD-2.5	2/28/2025 12:29:08 PM	5.32	585500	426472	2.579	103.2	0.728	797	True	0.18
SCI07_250228_29.wiff2	IA1633STD-5	2/28/2025 12:49:16 PM	5.33	626900	890856	5.032	100.6	0.711	800	True	0.17
SCI07_250228_30.wiff2	IA1633STD-12.5	2/28/2025 12:58:10 PM	5.33	554800	1939498	12.378	99.0	0.699	863	True	0.17
SCI07_250228_31.wiff2	IA1633STD-25	2/28/2025 1:07:04 PM	5.33	564200	4020014	25.229	100.9	0.713	771	True	0.17
SCI07_250228_32.wiff2	IA1633STD-50	2/28/2025 1:15:56 PM	5.33	564500	8268138	51.864	103.7	0.732	863	True	0.21

Analyte Name: PFOSA
Regression Equation: Y = 0.706 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.009 Avg. RF = 0.706 RSD = 3.229 RSE = 3.229
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

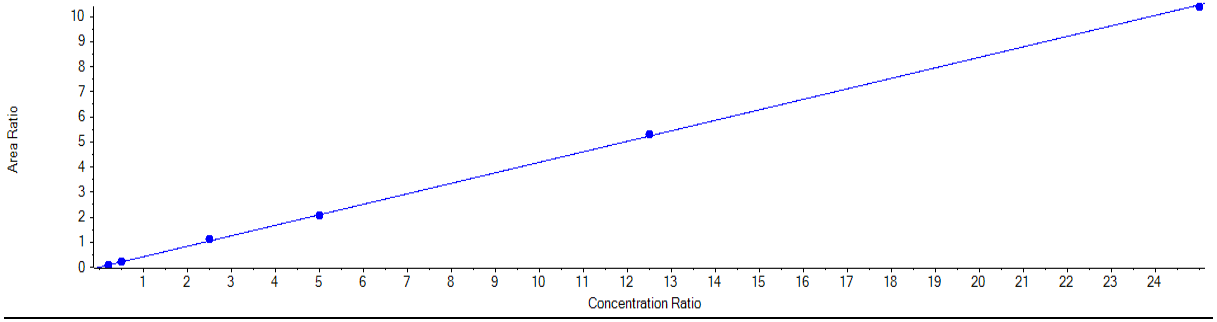
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2
Last Altered: 3/1/2025 10:50:54 AM
Generated: 2/28/2025 12:43:00 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250227.qmethod
Calibration	250228_EPA1633_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
SCI07_250228_25.wiff2	IA1633STD-.2	2/28/2025 12:11:20 PM	6.04	100900	7591	0.180	89.9	0.940	70	True	0.17
SCI07_250228_26.wiff2	IA1633STD-.5	2/28/2025 12:20:13 PM	6.05	107100	23217	0.518	103.6	1.084	267	True	0.15
SCI07_250228_27.wiff2	IA1633STD-2.5	2/28/2025 12:29:08 PM	6.04	98190	111176	2.705	108.2	1.132	1051	True	0.17
SCI07_250228_29.wiff2	IA1633STD-5	2/28/2025 12:49:16 PM	6.05	109600	224458	4.892	97.8	1.024	910	True	0.17
SCI07_250228_30.wiff2	IA1633STD-12.5	2/28/2025 12:58:10 PM	6.04	95470	505845	12.660	101.3	1.060	1051	True	0.16
SCI07_250228_31.wiff2	IA1633STD-25	2/28/2025 1:07:04 PM	6.05	107800	1119161	24.808	99.2	1.038	1314	True	0.17
SCI07_250228_32.wiff2	IA1633STD-50	2/28/2025 1:15:56 PM	N/A	N/A	N/A	N/A	N/A	N/A	N/A	False	N/A

Analyte Name: NMeFOSA
Regression Equation: Y = 1.046 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.026 Avg. RF = 1.046 RSD = 6.166 RSE = 6.166
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

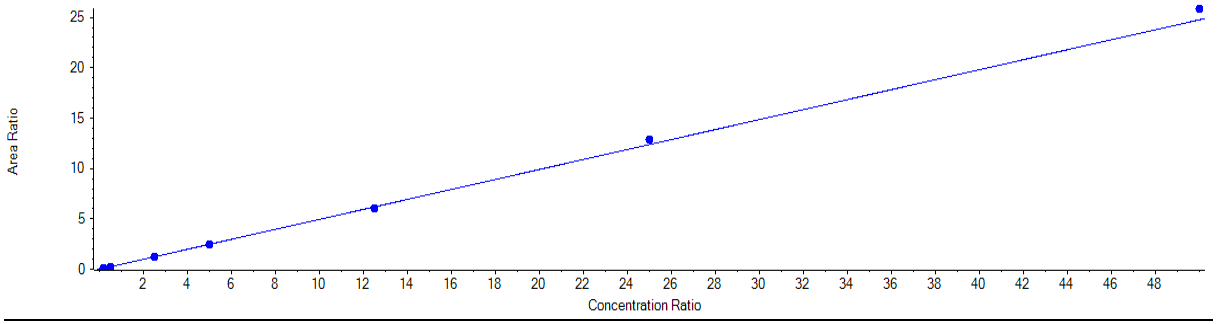
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2
Last Altered: 3/1/2025 10:50:54 AM
Generated: 2/28/2025 12:43:00 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250227.qmethod
Calibration	250228_EPA1633_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
SCI07_250228_25.wiff2	IA1633STD-.2	2/28/2025 12:11:20 PM	6.34	85200	8314	0.197	98.5	1.220	170	True	0.13
SCI07_250228_26.wiff2	IA1633STD-.5	2/28/2025 12:20:13 PM	6.33	96610	22062	0.461	92.2	1.142	470	True	0.18
SCI07_250228_27.wiff2	IA1633STD-2.5	2/28/2025 12:29:08 PM	6.33	89760	114818	2.583	103.3	1.279	906	True	0.20
SCI07_250228_29.wiff2	IA1633STD-5	2/28/2025 12:49:16 PM	6.33	95080	234071	4.970	99.4	1.231	1361	True	0.19
SCI07_250228_30.wiff2	IA1633STD-12.5	2/28/2025 12:58:10 PM	6.33	85500	519890	12.277	98.2	1.216	1501	True	0.20
SCI07_250228_31.wiff2	IA1633STD-25	2/28/2025 1:07:04 PM	6.33	86450	1113259	25.998	104.0	1.288	1523	True	0.17
SCI07_250228_32.wiff2	IA1633STD-50	2/28/2025 1:15:56 PM	6.34	89470	2312843	52.188	104.4	1.292	1784	True	0.18

Analyte Name: NEtFOSA
Regression Equation: Y = 1.238 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.021 Avg. RF = 1.238 RSD = 4.331 RSE = 4.331
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

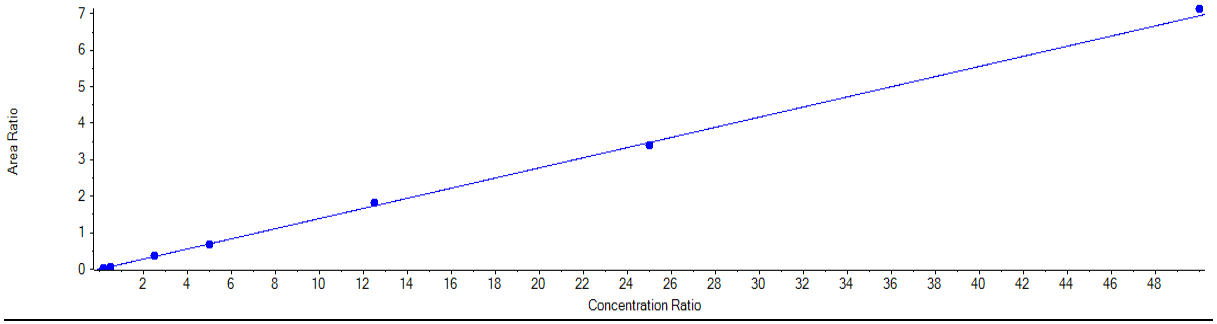
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2
Last Altered: 3/1/2025 10:50:54 AM
Generated: 2/28/2025 12:43:00 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250227.qmethod
Calibration	250228_EPA1633_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
SCI07_250228_25.wiff2	IA1633STD-.2	2/28/2025 12:11:20 PM	4.15	337000	10871	0.232	116.1	0.806	77	True	1.22
SCI07_250228_26.wiff2	IA1633STD-.5	2/28/2025 12:20:13 PM	4.15	310500	16637	0.386	77.1	0.536	108	True	1.32
SCI07_250228_27.wiff2	IA1633STD-2.5	2/28/2025 12:29:08 PM	4.14	300500	108901	2.609	104.4	0.725	652	True	0.92
SCI07_250228_29.wiff2	IA1633STD-5	2/28/2025 12:49:16 PM	4.15	343900	232519	4.866	97.3	0.676	1463	True	1.38
SCI07_250228_30.wiff2	IA1633STD-12.5	2/28/2025 12:58:10 PM	4.14	229700	418743	13.124	105.0	0.729	1583	True	1.18
SCI07_250228_31.wiff2	IA1633STD-25	2/28/2025 1:07:04 PM	4.15	295900	1001057	24.353	97.4	0.677	1882	True	1.24
SCI07_250228_32.wiff2	IA1633STD-50	2/28/2025 1:15:56 PM	4.15	252200	1799263	51.358	102.7	0.714	2122	True	1.03

Analyte Name: NMeFOSAA
Regression Equation: Y = 0.695 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.017 Avg. RF = 0.695 RSD = 11.880 RSE = 11.880
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

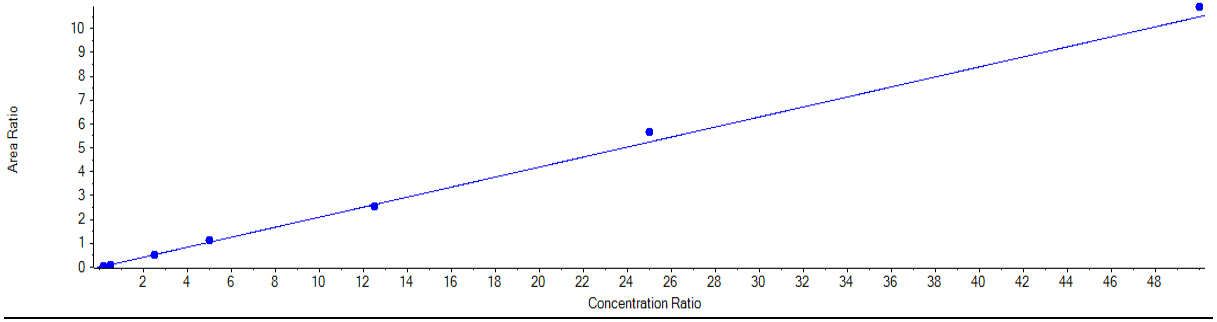
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2
Last Altered: 3/1/2025 10:50:54 AM
Generated: 2/28/2025 12:43:00 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250227.qmethod
Calibration	250228_EPA1633_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
SCI07_250228_25.wiff2	IA1633STD-.2	2/28/2025 12:11:20 PM	4.35	118000	4144	0.167	83.7	0.878	28	True	2.45
SCI07_250228_26.wiff2	IA1633STD-.5	2/28/2025 12:20:13 PM	4.35	127100	14172	0.532	106.4	1.115	68	True	0.17
SCI07_250228_27.wiff2	IA1633STD-2.5	2/28/2025 12:29:08 PM	4.34	130200	64535	2.364	94.6	0.991	307	True	1.23
SCI07_250228_29.wiff2	IA1633STD-5	2/28/2025 12:49:16 PM	4.35	130200	145245	5.320	106.4	1.116	698	True	1.21
SCI07_250228_30.wiff2	IA1633STD-12.5	2/28/2025 12:58:10 PM	4.35	121700	310184	12.156	97.3	1.020	951	True	0.29
SCI07_250228_31.wiff2	IA1633STD-25	2/28/2025 1:07:04 PM	4.35	120200	678948	26.942	107.8	1.130	1151	True	0.36
SCI07_250228_32.wiff2	IA1633STD-50	2/28/2025 1:15:56 PM	4.35	126900	1383555	51.985	104.0	1.090	1831	True	1.23

Analyte Name: NEtFOSAA
Regression Equation: Y = 1.049 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.018 Avg. RF = 1.049 RSD = 8.755 RSE = 8.755
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

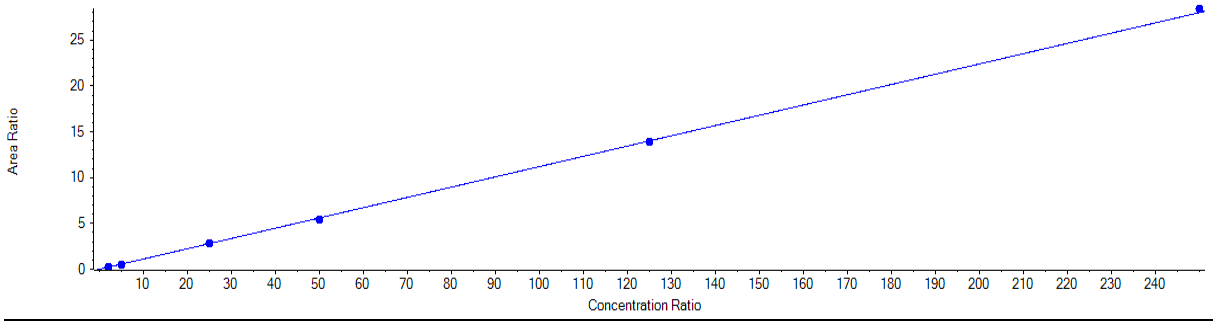
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2
Last Altered: 3/1/2025 10:50:54 AM
Generated: 2/28/2025 12:43:00 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250227.qmethod
Calibration	250228_EPA1633_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
SCI07_250228_25.wiff2	IA1633STD-.2	2/28/2025 12:11:20 PM	5.92	311800	72802	2.085	104.2	2.919	384	True	0.16
SCI07_250228_26.wiff2	IA1633STD-.5	2/28/2025 12:20:13 PM	5.91	349900	185224	4.726	94.5	2.647	682	True	0.20
SCI07_250228_27.wiff2	IA1633STD-2.5	2/28/2025 12:29:08 PM	5.91	327800	946995	25.794	103.2	2.889	1070	True	0.19
SCI07_250228_29.wiff2	IA1633STD-5	2/28/2025 12:49:16 PM	5.91	354100	1935379	48.798	97.6	2.733	1246	True	0.18
SCI07_250228_30.wiff2	IA1633STD-12.5	2/28/2025 12:58:10 PM	5.91	334200	4632791	123.776	99.0	2.773	1192	True	0.18
SCI07_250228_31.wiff2	IA1633STD-25	2/28/2025 1:07:04 PM	5.91	357000	10142612	253.637	101.5	2.841	1264	True	0.19
SCI07_250228_32.wiff2	IA1633STD-50	2/28/2025 1:15:56 PM	N/A	N/A	N/A	N/A	N/A	N/A	N/A	False	N/A

Analyte Name: NMeFOSE
Regression Equation: Y = 2.800 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.004 Avg. RF = 2.800 RSD = 3.656 RSE = 3.656
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

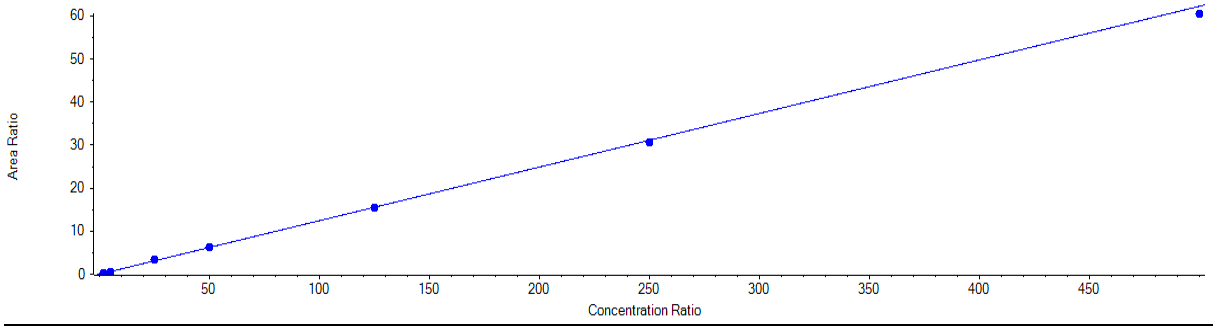
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2
Last Altered: 3/1/2025 10:50:54 AM
Generated: 2/28/2025 12:43:00 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250227.qmethod
Calibration	250228_EPA1633_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
SCI07_250228_25.wiff2	IA1633STD-.2	2/28/2025 12:11:20 PM	6.21	683100	171334	2.015	100.7	3.135	588	True	0.19
SCI07_250228_26.wiff2	IA1633STD-.5	2/28/2025 12:20:13 PM	6.21	773800	460355	4.779	95.6	2.975	981	True	0.16
SCI07_250228_27.wiff2	IA1633STD-2.5	2/28/2025 12:29:08 PM	6.20	711900	2401652	27.099	108.4	3.374	1670	True	0.16
SCI07_250228_29.wiff2	IA1633STD-5	2/28/2025 12:49:16 PM	6.21	792400	4957330	50.251	100.5	3.128	1712	True	0.16
SCI07_250228_30.wiff2	IA1633STD-12.5	2/28/2025 12:58:10 PM	6.21	737800	11417135	124.298	99.4	3.095	1718	True	0.16
SCI07_250228_31.wiff2	IA1633STD-25	2/28/2025 1:07:04 PM	6.21	756800	23126010	245.457	98.2	3.056	1718	True	0.17
SCI07_250228_32.wiff2	IA1633STD-50	2/28/2025 1:15:56 PM	6.21	769200	46523084	485.822	97.2	3.024	1453	True	0.18

Analyte Name: NEtFOSE
Regression Equation: Y = 3.112 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.005 Avg. RF = 3.112 RSD = 4.133 RSE = 4.133
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

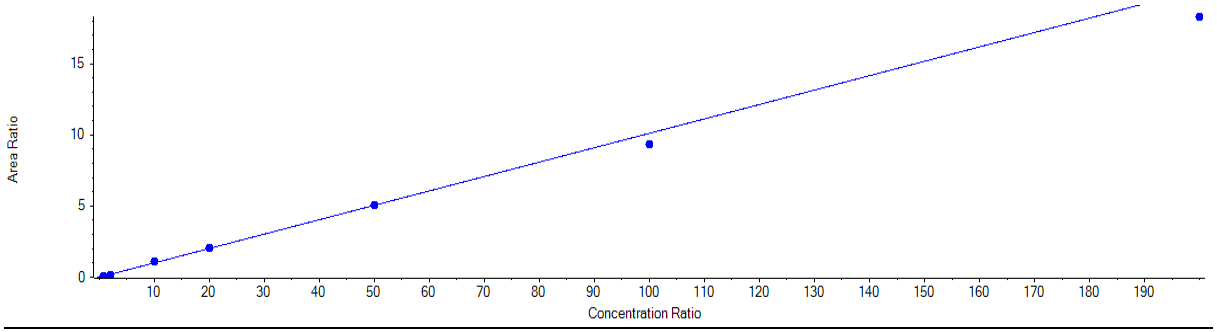
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2
Last Altered: 3/1/2025 10:50:54 AM
Generated: 2/28/2025 12:43:00 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250227.qmethod
Calibration	250228_EPA1633_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
SCI07_250228_25.wiff2	IA1633STD-.2	2/28/2025 12:11:20 PM	2.32	841300	77371	0.910	113.7	1.150	603	True	1.38
SCI07_250228_26.wiff2	IA1633STD-.5	2/28/2025 12:20:13 PM	2.32	971100	180759	1.841	92.1	0.931	1454	True	1.09
SCI07_250228_27.wiff2	IA1633STD-2.5	2/28/2025 12:29:08 PM	2.31	928000	1005916	10.721	107.2	1.084	5697	True	1.08
SCI07_250228_29.wiff2	IA1633STD-5	2/28/2025 12:49:16 PM	2.31	984500	2059509	20.689	103.4	1.046	5805	True	1.14
SCI07_250228_30.wiff2	IA1633STD-12.5	2/28/2025 12:58:10 PM	2.31	900900	4581981	50.301	100.6	1.017	7238	True	1.16
SCI07_250228_31.wiff2	IA1633STD-25	2/28/2025 1:07:04 PM	2.31	984900	9217855	92.561	92.6	0.936	69855	True	1.37
SCI07_250228_32.wiff2	IA1633STD-50	2/28/2025 1:15:56 PM	2.31	995300	18203180	180.875	90.4	0.914	139969	True	1.01

Analyte Name: HFPO-DA
Regression Equation: Y = 1.011 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.009 Avg. RF = 1.011 RSD = 8.774 RSE = 8.774
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

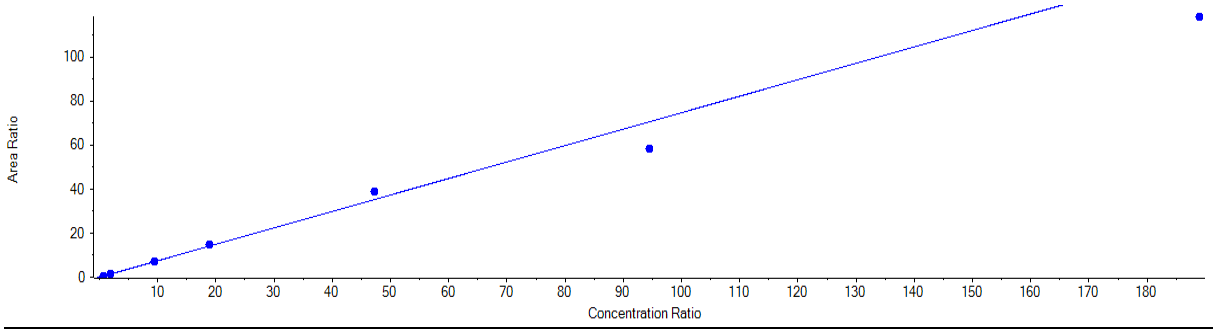
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2
Last Altered: 3/1/2025 10:50:54 AM
Generated: 2/28/2025 12:43:00 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250227.qmethod
Calibration	250228_EPA1633_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
SCI07_250228_25.wiff2	IA1633STD-.2	2/28/2025 12:11:20 PM	2.91	555800	335140	0.806	106.7	1.994	2051	True	1.11
SCI07_250228_26.wiff2	IA1633STD-.5	2/28/2025 12:20:13 PM	2.91	634900	1008026	2.123	112.3	2.100	6181	True	1.42
SCI07_250228_27.wiff2	IA1633STD-2.5	2/28/2025 12:29:08 PM	2.90	603400	4213139	9.337	98.8	1.847	25372	True	1.26
SCI07_250228_29.wiff2	IA1633STD-5	2/28/2025 12:49:16 PM	2.91	611200	9095285	19.899	105.3	1.969	53660	True	1.28
SCI07_250228_30.wiff2	IA1633STD-12.5	2/28/2025 12:58:10 PM	2.90	500700	19612579	52.380	110.9	2.073	118542	True	1.07
SCI07_250228_31.wiff2	IA1633STD-25	2/28/2025 1:07:04 PM	2.90	574400	33427611	77.818	82.4	1.540	100344	True	1.17
SCI07_250228_32.wiff2	IA1633STD-50	2/28/2025 1:15:56 PM	2.91	528700	62566016	158.227	83.7	1.565	54010	True	1.28

Analyte Name: ADONA
Regression Equation: Y = 1.870 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.093 Avg. RF = 1.870 RSD = 12.386 RSE = 12.386
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

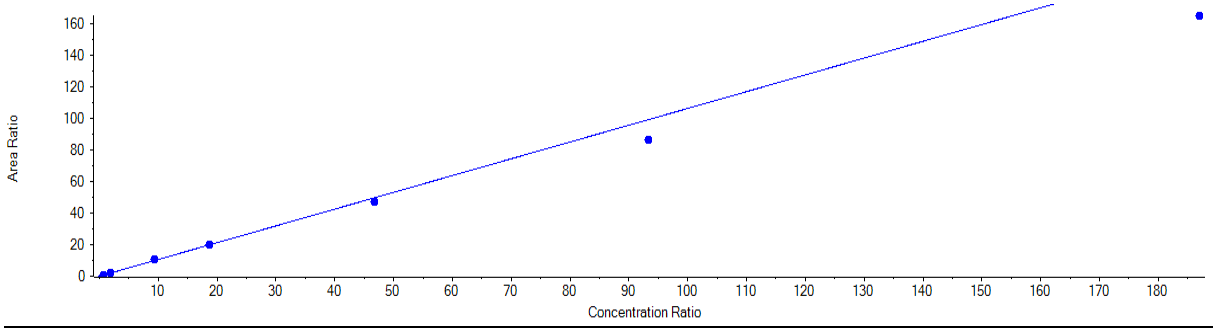
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2
Last Altered: 3/1/2025 10:50:54 AM
Generated: 2/28/2025 12:43:00 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250227.qmethod
Calibration	250228_EPA1633_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
SCI07_250228_25.wiff2	IA1633STD-.2	2/28/2025 12:11:20 PM	4.47	345800	309567	0.841	112.7	2.880	2231	True	1.08
SCI07_250228_26.wiff2	IA1633STD-.5	2/28/2025 12:20:13 PM	4.47	363900	797731	2.059	110.1	2.814	5690	True	1.30
SCI07_250228_27.wiff2	IA1633STD-2.5	2/28/2025 12:29:08 PM	4.46	349500	3865241	10.390	111.4	2.845	8726	True	1.14
SCI07_250228_29.wiff2	IA1633STD-5	2/28/2025 12:49:16 PM	4.47	384600	7654121	18.697	100.0	2.554	9210	True	1.12
SCI07_250228_30.wiff2	IA1633STD-12.5	2/28/2025 12:58:10 PM	4.46	326200	15488439	44.610	95.5	2.440	9814	True	0.97
SCI07_250228_31.wiff2	IA1633STD-25	2/28/2025 1:07:04 PM	4.46	327000	28350996	81.460	87.3	2.231	12728	True	0.98
SCI07_250228_32.wiff2	IA1633STD-50	2/28/2025 1:15:56 PM	4.47	297600	49151523	155.159	83.0	2.120	7822	True	1.25

Analyte Name: 9Cl-PF3ONS
Regression Equation: Y = 2.555 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.128 Avg. RF = 2.555 RSD = 12.004 RSE = 12.004
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

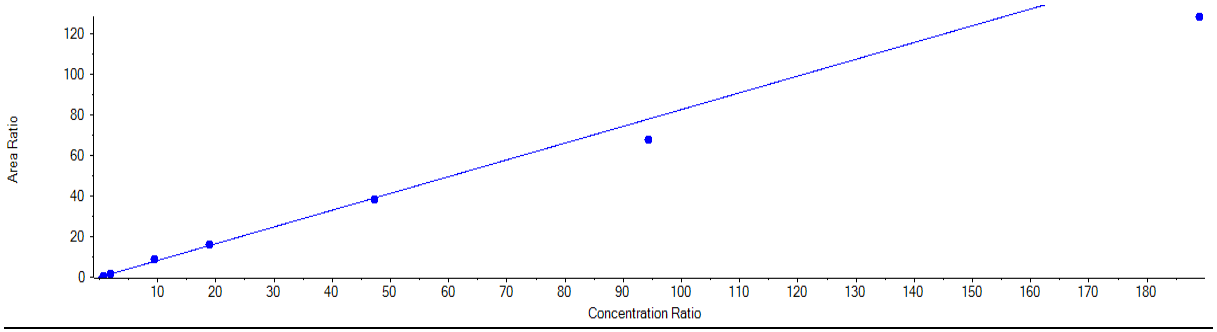
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2
Last Altered: 3/1/2025 10:50:54 AM
Generated: 2/28/2025 12:43:00 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250227.qmethod
Calibration	250228_EPA1633_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
SCI07_250228_25.wiff2	IA1633STD-.2	2/28/2025 12:11:20 PM	5.24	345800	237163	0.828	109.9	2.183	2240	True	1.20
SCI07_250228_26.wiff2	IA1633STD-.5	2/28/2025 12:20:13 PM	5.24	363900	627885	2.084	110.3	2.191	5826	True	1.28
SCI07_250228_27.wiff2	IA1633STD-2.5	2/28/2025 12:29:08 PM	5.23	349500	3024762	10.454	110.9	2.203	7843	True	1.19
SCI07_250228_29.wiff2	IA1633STD-5	2/28/2025 12:49:16 PM	5.24	384600	6120822	19.224	101.7	2.021	10791	True	1.07
SCI07_250228_30.wiff2	IA1633STD-12.5	2/28/2025 12:58:10 PM	5.23	326200	12488604	46.250	98.0	1.947	12814	True	0.94
SCI07_250228_31.wiff2	IA1633STD-25	2/28/2025 1:07:04 PM	5.23	327000	22243038	82.176	87.1	1.731	10222	True	0.95
SCI07_250228_32.wiff2	IA1633STD-50	2/28/2025 1:15:56 PM	5.24	297600	38255343	155.276	82.2	1.632	8958	True	1.22

Analyte Name: 11Cl-PF3OUdS
Regression Equation: Y = 1.987 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.096 Avg. RF = 1.987 RSD = 11.630 RSE = 11.630
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

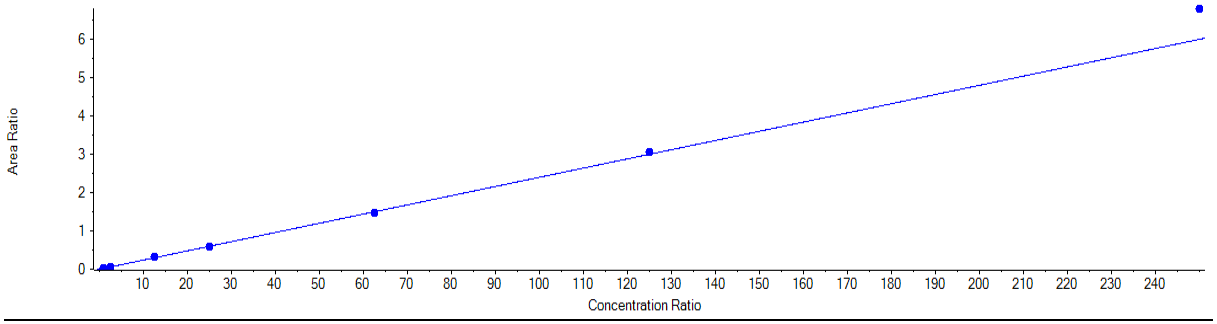
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2
Last Altered: 3/1/2025 10:50:54 AM
Generated: 2/28/2025 12:43:00 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250227.qmethod
Calibration	250228_EPA1633_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
SCI07_250228_25.wiff2	IA1633STD-.2	2/28/2025 12:11:20 PM	1.60	657100	15220	0.965	96.5	0.116	152	True	1.68
SCI07_250228_26.wiff2	IA1633STD-.5	2/28/2025 12:20:13 PM	1.60	741300	39415	2.216	88.6	0.106	423	True	1.58
SCI07_250228_27.wiff2	IA1633STD-2.5	2/28/2025 12:29:08 PM	1.59	693400	216632	13.022	104.2	0.125	2027	True	1.42
SCI07_250228_29.wiff2	IA1633STD-5	2/28/2025 12:49:16 PM	1.58	732800	426688	24.270	97.1	0.116	3750	True	1.40
SCI07_250228_30.wiff2	IA1633STD-12.5	2/28/2025 12:58:10 PM	1.59	658000	967960	61.311	98.1	0.118	4132	True	1.32
SCI07_250228_31.wiff2	IA1633STD-25	2/28/2025 1:07:04 PM	1.60	666700	2043658	127.767	102.2	0.123	4654	True	1.59
SCI07_250228_32.wiff2	IA1633STD-50	2/28/2025 1:15:56 PM	1.61	621600	4222437	283.117	113.3	0.136	6803	True	1.59

Analyte Name: 3:3FTCA
Regression Equation: Y = 0.120 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.002 Avg. RF = 0.120 RSD = 7.647 RSE = 7.647
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

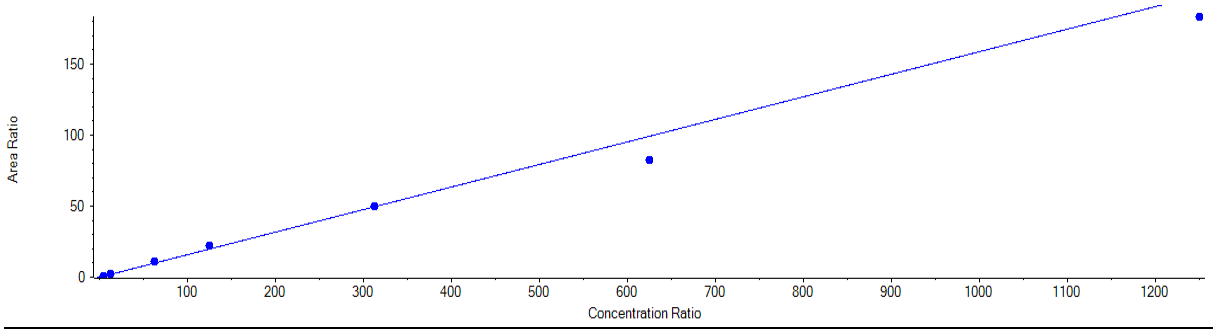
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2
Last Altered: 3/1/2025 10:50:54 AM
Generated: 2/28/2025 12:43:00 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250227.qmethod
Calibration	250228_EPA1633_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
SCI07_250228_25.wiff2	IA1633STD-.2	2/28/2025 12:11:20 PM	3.22	324100	249140	4.838	96.8	0.384	1386	True	0.97
SCI07_250228_26.wiff2	IA1633STD-.5	2/28/2025 12:20:13 PM	3.21	326800	656578	12.647	101.2	0.402	3620	True	1.19
SCI07_250228_27.wiff2	IA1633STD-2.5	2/28/2025 12:29:08 PM	3.21	297900	3407866	72.009	115.2	0.458	9113	True	1.08
SCI07_250228_29.wiff2	IA1633STD-5	2/28/2025 12:49:16 PM	3.21	319800	7012054	138.003	110.4	0.438	12168	True	1.07
SCI07_250228_30.wiff2	IA1633STD-12.5	2/28/2025 12:58:10 PM	3.21	298100	14984699	316.383	101.2	0.402	11615	True	0.99
SCI07_250228_31.wiff2	IA1633STD-25	2/28/2025 1:07:04 PM	3.21	346000	28457951	517.760	82.8	0.329	13052	True	1.08
SCI07_250228_32.wiff2	IA1633STD-50	2/28/2025 1:15:56 PM	3.21	292800	53701489	1154.378	92.4	0.367	74527	True	1.25

Analyte Name: 5:3FTCA
Regression Equation: Y = 0.397 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.017 Avg. RF = 0.397 RSD = 10.847 RSE = 10.847
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

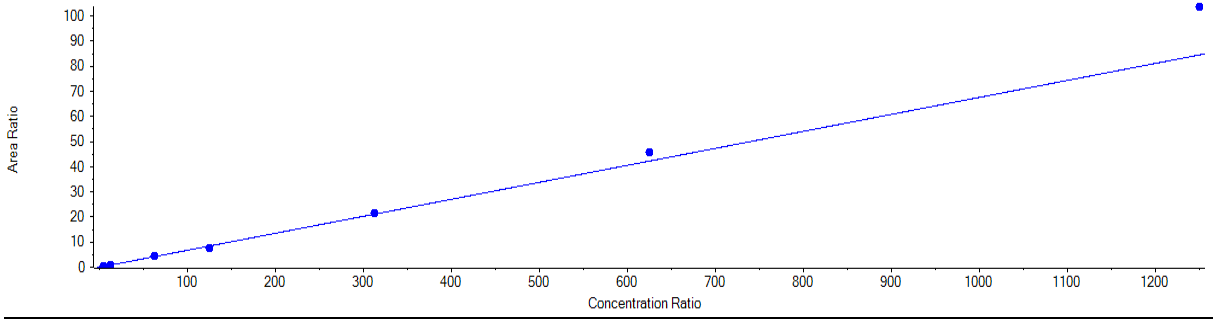
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2
Last Altered: 3/1/2025 10:50:54 AM
Generated: 2/28/2025 12:43:00 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250227.qmethod
Calibration	250228_EPA1633_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
SCI07_250228_25.wiff2	IA1633STD-.2	2/28/2025 12:11:20 PM	4.20	318900	95168	4.412	88.2	0.075	498	True	1.31
SCI07_250228_26.wiff2	IA1633STD-.5	2/28/2025 12:20:13 PM	4.20	363900	256203	10.408	83.3	0.070	1379	True	1.13
SCI07_250228_27.wiff2	IA1633STD-2.5	2/28/2025 12:29:08 PM	4.19	321300	1427419	65.681	105.1	0.089	5329	True	1.46
SCI07_250228_29.wiff2	IA1633STD-5	2/28/2025 12:49:16 PM	4.20	380600	2908589	112.982	90.4	0.076	4499	True	0.98
SCI07_250228_30.wiff2	IA1633STD-12.5	2/28/2025 12:58:10 PM	4.19	317700	6829723	317.748	101.7	0.086	5662	True	1.32
SCI07_250228_31.wiff2	IA1633STD-25	2/28/2025 1:07:04 PM	4.19	329200	15133649	679.506	108.7	0.092	84031	True	1.31
SCI07_250228_32.wiff2	IA1633STD-50	2/28/2025 1:15:56 PM	4.20	311800	32332357	1532.808	122.6	0.104	178153	True	1.08

Analyte Name: 7:3FTCA
Regression Equation: Y = 0.085 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.009 Avg. RF = 0.085 RSD = 13.709 RSE = 13.709
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

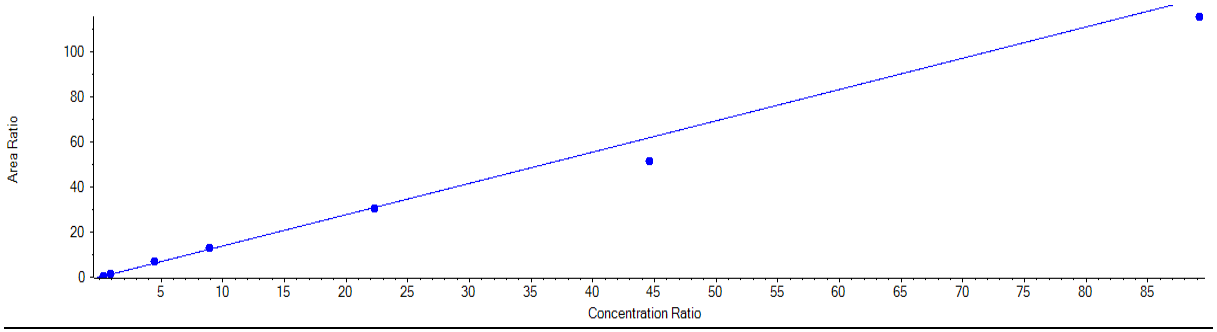
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2
Last Altered: 3/1/2025 10:50:54 AM
Generated: 2/28/2025 12:43:00 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250227.qmethod
Calibration	250228_EPA1633_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
SCI07_250228_25.wiff2	IA1633STD-.2	2/28/2025 12:11:20 PM	2.42	324100	166466	0.370	103.6	3.597	1243	True	1.01
SCI07_250228_26.wiff2	IA1633STD-.5	2/28/2025 12:20:13 PM	2.42	326800	411459	0.907	101.6	3.529	3176	True	1.49
SCI07_250228_27.wiff2	IA1633STD-2.5	2/28/2025 12:29:08 PM	2.41	297900	2123264	5.132	115.1	3.995	11885	True	1.19
SCI07_250228_29.wiff2	IA1633STD-5	2/28/2025 12:49:16 PM	2.41	319800	4168031	9.383	105.2	3.653	15454	True	0.91
SCI07_250228_30.wiff2	IA1633STD-12.5	2/28/2025 12:58:10 PM	2.41	298100	9070098	21.906	98.2	3.411	16857	True	0.92
SCI07_250228_31.wiff2	IA1633STD-25	2/28/2025 1:07:04 PM	2.41	346000	17782984	37.009	83.0	2.881	13942	True	1.04
SCI07_250228_32.wiff2	IA1633STD-50	2/28/2025 1:15:56 PM	2.42	292800	33847197	83.227	93.3	3.240	14141	True	1.20

Analyte Name: PFEESA
Regression Equation: Y = 3.472 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.140 Avg. RF = 3.472 RSD = 10.060 RSE = 10.060
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

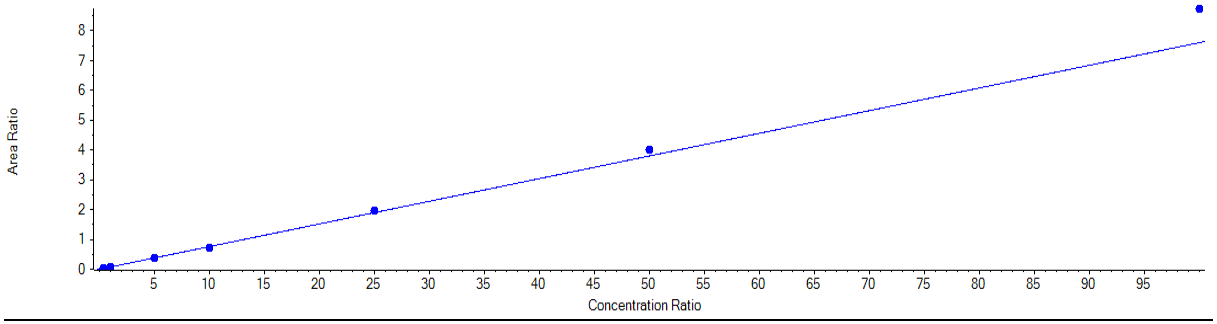
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2
Last Altered: 3/1/2025 10:50:54 AM
Generated: 2/28/2025 12:43:00 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250227.qmethod
Calibration	250228_EPA1633_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
SCI07_250228_25.wiff2	IA1633STD-.2	2/28/2025 12:11:20 PM	0.78	2262000	65097	0.378	94.6	0.719	902	True	0.93
SCI07_250228_26.wiff2	IA1633STD-.5	2/28/2025 12:20:13 PM	0.77	2585000	172707	0.879	87.9	0.668	2292	True	1.30
SCI07_250228_27.wiff2	IA1633STD-2.5	2/28/2025 12:29:08 PM	0.77	2320000	868612	4.926	98.5	0.749	4048	True	1.20
SCI07_250228_29.wiff2	IA1633STD-5	2/28/2025 12:49:16 PM	0.75	2485000	1798687	9.522	95.2	0.724	4886	True	1.00
SCI07_250228_30.wiff2	IA1633STD-12.5	2/28/2025 12:58:10 PM	0.77	2064000	4045708	25.783	103.1	0.784	7183	True	1.15
SCI07_250228_31.wiff2	IA1633STD-25	2/28/2025 1:07:04 PM	0.77	1948000	7830456	52.863	105.7	0.804	8195	True	1.13
SCI07_250228_32.wiff2	IA1633STD-50	2/28/2025 1:15:56 PM	0.77	1641000	14333499	114.899	114.9	0.874	10798	True	1.14

Analyte Name: PFMPA
Regression Equation: Y = 0.760 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.007 Avg. RF = 0.760 RSD = 8.805 RSE = 8.805
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

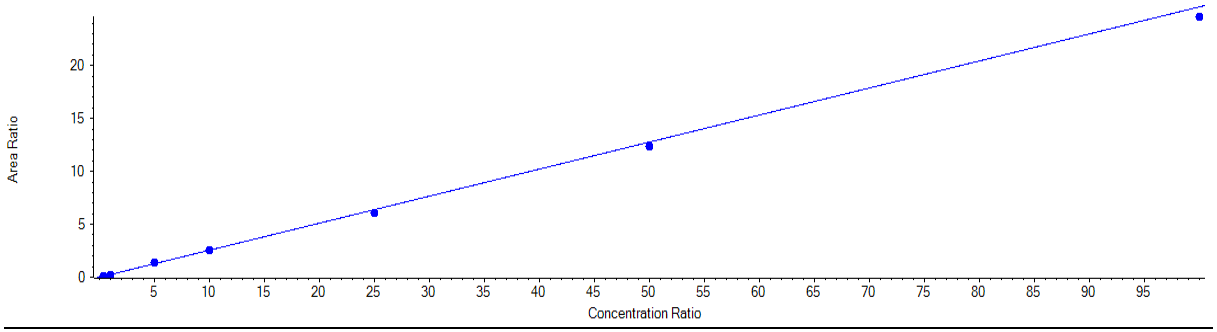
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2
Last Altered: 3/1/2025 10:50:54 AM
Generated: 2/28/2025 12:43:00 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250227.qmethod
Calibration	250228_EPA1633_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
SCI07_250228_25.wiff2	IA1633STD-.2	2/28/2025 12:11:20 PM	1.50	657100	71173	0.424	106.0	1.354	1106	True	0.96
SCI07_250228_26.wiff2	IA1633STD-.5	2/28/2025 12:20:13 PM	1.50	741300	185301	0.978	97.8	1.250	3106	True	1.18
SCI07_250228_27.wiff2	IA1633STD-2.5	2/28/2025 12:29:08 PM	1.49	693400	940226	5.307	106.1	1.356	7271	True	1.32
SCI07_250228_29.wiff2	IA1633STD-5	2/28/2025 12:49:16 PM	1.48	732800	1893545	10.113	101.1	1.292	28379	True	1.42
SCI07_250228_30.wiff2	IA1633STD-12.5	2/28/2025 12:58:10 PM	1.49	658000	4026987	23.951	95.8	1.224	62994	True	1.05
SCI07_250228_31.wiff2	IA1633STD-25	2/28/2025 1:07:04 PM	1.49	666700	8245116	48.403	96.8	1.237	40650	True	1.10
SCI07_250228_32.wiff2	IA1633STD-50	2/28/2025 1:15:56 PM	1.49	621600	15295248	96.300	96.3	1.230	35318	True	1.38

Analyte Name: PFMBA
Regression Equation: Y = 1.278 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.011 Avg. RF = 1.278 RSD = 4.490 RSE = 4.490
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

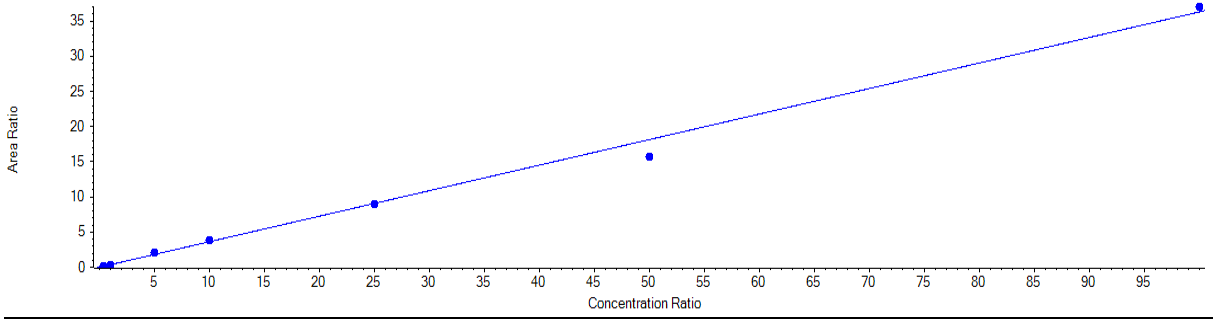
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2
Last Altered: 3/1/2025 10:50:54 AM
Generated: 2/28/2025 12:43:00 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250227.qmethod
Calibration	250228_EPA1633_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
SCI07_250228_25.wiff2	IA1633STD-.2	2/28/2025 12:11:20 PM	1.95	324100	44042	0.374	93.5	0.849	449	True	0.98
SCI07_250228_26.wiff2	IA1633STD-.5	2/28/2025 12:20:13 PM	1.95	326800	119411	1.006	100.6	0.914	1239	True	0.99
SCI07_250228_27.wiff2	IA1633STD-2.5	2/28/2025 12:29:08 PM	1.94	297900	600972	5.555	111.1	1.009	5837	True	1.15
SCI07_250228_29.wiff2	IA1633STD-5	2/28/2025 12:49:16 PM	1.94	319800	1254989	10.804	108.0	0.981	10956	True	1.39
SCI07_250228_30.wiff2	IA1633STD-12.5	2/28/2025 12:58:10 PM	1.94	298100	2665029	24.614	98.5	0.894	14823	True	1.23
SCI07_250228_31.wiff2	IA1633STD-25	2/28/2025 1:07:04 PM	1.94	346000	5420862	43.142	86.3	0.783	51260	True	0.99
SCI07_250228_32.wiff2	IA1633STD-50	2/28/2025 1:15:56 PM	1.95	292800	10844332	101.970	102.0	0.926	104685	True	1.16

Analyte Name: NFDHA
Regression Equation: Y = 0.908 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.031 Avg. RF = 0.908 RSD = 8.410 RSE = 8.410
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

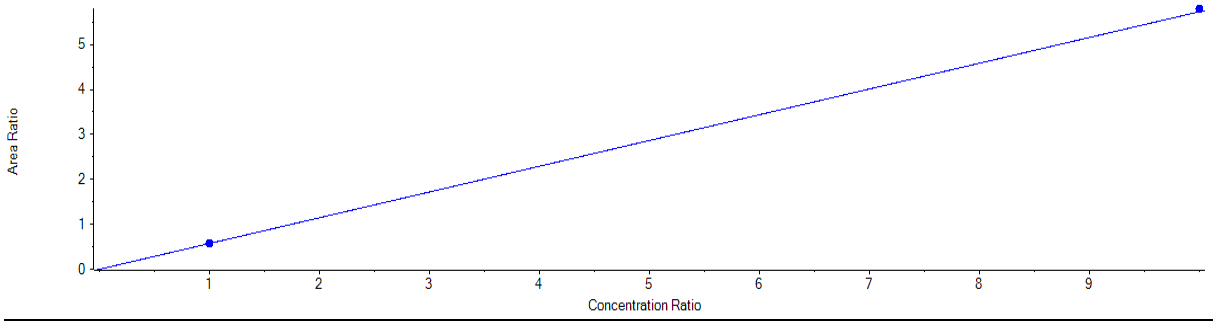
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2
Last Altered: 3/1/2025 10:50:54 AM
Generated: 2/28/2025 12:43:00 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250227.qmethod
Calibration	250228_EPA1633_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
SCI07_250228_25.wiff2	IA1633STD-.2	2/28/2025 12:11:20 PM	N/A	345800	N/A	N/A	N/A	N/A	N/A	True	N/A
SCI07_250228_26.wiff2	IA1633STD-.5	2/28/2025 12:20:13 PM	2.90	363900	206301	0.989	98.9	1.361	1296	True	1.56
SCI07_250228_27.wiff2	IA1633STD-2.5	2/28/2025 12:29:08 PM	N/A	349500	N/A	N/A	N/A	N/A	N/A	True	N/A
SCI07_250228_29.wiff2	IA1633STD-5	2/28/2025 12:49:16 PM	2.89	384600	2228988	10.110	101.1	1.391	12400	True	1.38
SCI07_250228_30.wiff2	IA1633STD-12.5	2/28/2025 12:58:10 PM	N/A	326200	N/A	N/A	N/A	N/A	N/A	True	N/A
SCI07_250228_31.wiff2	IA1633STD-25	2/28/2025 1:07:04 PM	N/A	327000	N/A	N/A	N/A	N/A	N/A	True	N/A
SCI07_250228_32.wiff2	IA1633STD-50	2/28/2025 1:15:56 PM	N/A	297600	N/A	N/A	N/A	N/A	N/A	True	N/A

Analyte Name: TDCA
Regression Equation: Y = N/A x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = N/A Avg. RF = 1.376 RSD = 1.560 RSE = 0.000
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

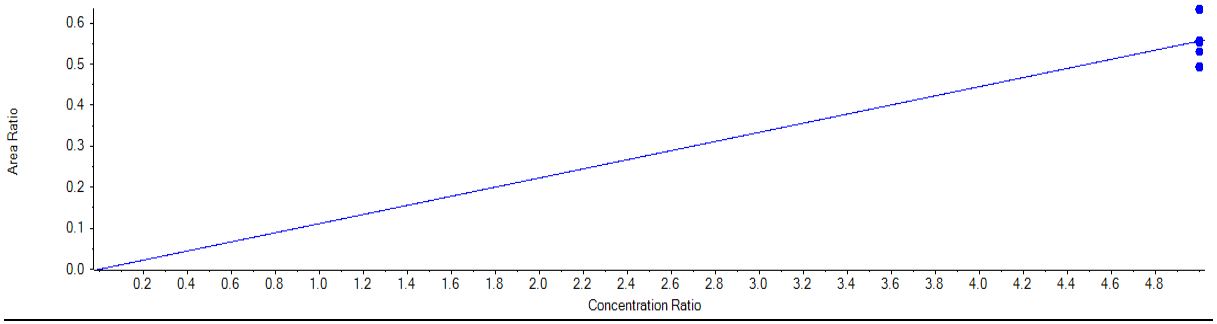
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2
Last Altered: 3/1/2025 10:50:54 AM
Generated: 2/28/2025 12:43:00 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250227.qmethod
Calibration	250228_EPA1633_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
SCI07_250228_25.wiff2	IA1633STD-.2	2/28/2025 12:11:20 PM	1.79	253600	140393	4.974	99.5	0.262	1773	True	0.92
SCI07_250228_26.wiff2	IA1633STD-.5	2/28/2025 12:20:13 PM	1.78	230800	122408	4.764	95.3	0.251	1509	True	1.39
SCI07_250228_27.wiff2	IA1633STD-2.5	2/28/2025 12:29:08 PM	1.77	251500	123983	4.429	88.6	0.234	1525	True	1.14
SCI07_250228_29.wiff2	IA1633STD-5	2/28/2025 12:49:16 PM	1.77	267300	131990	4.437	88.7	0.234	1614	True	1.33
SCI07_250228_30.wiff2	IA1633STD-12.5	2/28/2025 12:58:10 PM	1.78	217200	137901	5.704	114.1	0.301	1653	True	1.29
SCI07_250228_31.wiff2	IA1633STD-25	2/28/2025 1:07:04 PM	1.78	219900	122708	5.013	100.3	0.264	1455	True	0.98
SCI07_250228_32.wiff2	IA1633STD-50	2/28/2025 1:15:56 PM	1.78	212300	134165	5.679	113.6	0.300	1623	True	1.09

Analyte Name: 13C2D4-4:2FTS
Regression Equation: Y = 0.264 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.012 Avg. RF = 0.264 RSD = 10.508 RSE = 0.000
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

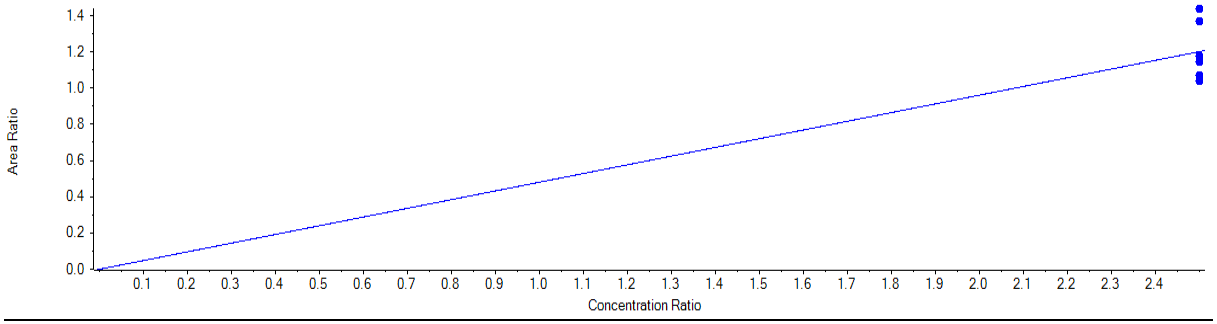
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2
Last Altered: 3/1/2025 10:50:54 AM
Generated: 2/28/2025 12:43:00 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F_250227.qmethod
Calibration	250228_EPA1633_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
SCI07_250228_25.wiff2	IA1633STD-.2	2/28/2025 12:11:20 PM	3.21	167700	241012	2.991	119.7	1.437	1466	True	1.14
SCI07_250228_26.wiff2	IA1633STD-.5	2/28/2025 12:20:13 PM	3.21	167100	190944	2.379	95.2	1.143	1172	True	1.02
SCI07_250228_27.wiff2	IA1633STD-2.5	2/28/2025 12:29:08 PM	3.20	183500	190306	2.158	86.3	1.037	1137	True	0.90
SCI07_250228_29.wiff2	IA1633STD-5	2/28/2025 12:49:16 PM	3.20	204800	279836	2.844	113.8	1.366	1832	True	1.39
SCI07_250228_30.wiff2	IA1633STD-12.5	2/28/2025 12:58:10 PM	3.20	236500	278363	2.450	98.0	1.177	1810	True	1.28
SCI07_250228_31.wiff2	IA1633STD-25	2/28/2025 1:07:04 PM	3.20	253000	270963	2.229	89.2	1.071	1728	True	1.45
SCI07_250228_32.wiff2	IA1633STD-50	2/28/2025 1:15:56 PM	3.20	264000	310476	2.448	97.9	1.176	1996	True	1.53

Analyte Name: 13C2-PFOA
Regression Equation: Y = 1.201 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.059 Avg. RF = 1.201 RSD = 12.327 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\250228\SCI07_250228_25.wiff2
Last Altered: 3/1/2025 10:50:54 AM
Generated: 2/28/2025 12:43:00 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		1.056	1.155	1.064	1.186	1.065	1.125	1.156		1.115	4.772
EIS	13C5-PFPeA		0.665	0.704	0.679	0.752	0.709	0.725	0.672		0.701	4.454
EIS	13C5-PFHxA		0.656	0.621	0.584	0.656	0.642	0.752	0.633		0.649	7.973
EIS	13C4-PFHpA		1.124	1.206	1.182	1.254	1.079	1.249	1.144		1.177	5.535
EIS	13C8-PFOA		3.963	4.364	3.803	3.902	3.13	2.655	N/A		3.636	17.192
EIS	13C9-PFNA		0.878	1.011	0.843	1.084	0.891	0.988	1.004		0.957	9.133
EIS	13C6-PFDA		1.048	1.128	1.055	1.163	1.016	1.05	1.01		1.067	5.364
EIS	13C7-PFUnA		1.119	1.164	1.05	1.18	1.012	1.051	1.114		1.099	5.716
EIS	13C2-PFDoA		1.013	1.044	0.997	1.042	0.966	0.987	1.07		1.017	3.626
EIS	13C2-PFTeDA		0.662	0.689	0.633	0.717	0.632	0.673	0.715		0.674	5.201
EIS	13C3-PFBS		1.25	1.604	1.331	1.298	1.516	1.459	1.378		1.405	9.031
EIS	13C3-PFHxS		1.095	1.332	1.094	1.294	1.233	1.182	1.168		1.200	7.681
EIS	13C8-PFOS		1.243	1.343	1.293	1.367	1.202	1.296	1.423		1.310	5.728
EIS	13C2-4:2FTS		0.158	0.19	0.154	0.163	0.189	0.193	0.205		0.179	11.191
EIS	13C2-6:2FTS		0.133	0.153	0.131	0.134	0.144	0.163	0.168		0.146	10.376
EIS	13C2-8:2FTS		0.155	0.163	0.153	0.157	0.189	0.195	0.194		0.172	11.31
EIS	13C8-PFOSA		1.926	2.224	2.08	2.14	1.963	2.147	2.59		2.153	10.208
EIS	d3-NMeFOSA		0.348	0.38	0.349	0.374	0.338	0.41	N/A		0.366	7.339
EIS	d5-NEtFOSA		0.294	0.342	0.319	0.325	0.302	0.329	0.411		0.332	11.579
EIS	d3-NMeFOSAA		0.581	0.55	0.534	0.587	0.406	0.563	0.579		0.543	11.627
EIS	d5-NEtFOSAA		0.204	0.225	0.231	0.222	0.215	0.229	0.291		0.231	12.169
EIS	d7-NMeFOSE		0.108	0.124	0.116	0.121	0.118	0.136	N/A		0.120	7.765
EIS	d9-NEtFOSE		0.236	0.274	0.253	0.27	0.261	0.288	0.353		0.276	13.609
EIS	13C3-HFPO-DA		0.425	0.461	0.454	0.505	0.485	0.535	0.538		0.486	8.718
NIS	13C3-PFBA		1.091	1.14	1.11	1.067	0.987	0.882	0.723		1.000	15.006
NIS	13C2-PFHxA		1.016	1.082	1.049	1.002	0.954	0.946	0.95		1.000	5.317
NIS	13C4-PFOA		0.795	0.792	0.87	0.971	1.121	1.2	1.251		1.000	19.18
NIS	13C5-PFNA		1.036	1.026	1.086	1.001	1.016	0.95	0.885		1.000	6.492
NIS	13C2-PFDA		1.004	1.057	1.062	1.016	1.008	0.967	0.886		1.000	5.981
NIS	18O2-PFHxS		1.074	0.978	1.065	1.132	0.92	0.932	0.899		1.000	9.035
NIS	13C4-PFOS		1.063	1.034	1.032	1.074	1.036	0.963	0.799		1.000	9.551

Initial Calibration Report

SCIEX OS Version 3.3.1.43

Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2
Last Altered: 3/1/2025 10:50:54 AM
Generated: 2/28/2025 12:43:00 PM

Analyte	Expected Ratio	Lower Limt	Upper Limt	NIS Analyte	AVG. NIS Area
PFBA	N/A	N/A	N/A	13C3-PFBA	981895
PFPeA	N/A	N/A	N/A	13C2-PFHxA	486413
PFHxA	0.067	0.0335	0.1005	13C4-PFOA	210942
PFHpA	0.345	0.1725	0.5175	13C5-PFNA	350770
PFOA	0.365	0.1825	0.5475	13C2-PFDA	322335
PFNA	0.352	0.176	0.528	18O2-PFHxS	236085
PFDA	0.185	0.0925	0.2775	13C4-PFOS	261943
PFUnA	0.166	0.083	0.249	N/A	N/A
PFDoA	0.15	0.075	0.225	N/A	N/A
PFTrDA	0.134	0.067	0.201	N/A	N/A
PFTeDA	0.15	0.075	0.225	N/A	N/A
PFBS	0.341	0.1705	0.5115	N/A	N/A
PFPeS	0.296	0.148	0.444	N/A	N/A
PFHxS	0.298	0.149	0.447	N/A	N/A
PFHpS	0.277	0.1385	0.4155	N/A	N/A
PFOS	0.236	0.118	0.354	N/A	N/A
PFNS	0.265	0.1325	0.3975	N/A	N/A
PFDS	0.275	0.1375	0.4125	N/A	N/A
PFDoS	0.245	0.1225	0.3675	N/A	N/A
4:2FTS	0.542	0.271	0.813	N/A	N/A
6:2FTS	0.555	0.2775	0.8325	N/A	N/A
8:2FTS	0.824	0.412	1.236	N/A	N/A
PFOSA	0.029	0.0145	0.0435	N/A	N/A
NMeFOSA	1.426	0.713	2.139	N/A	N/A
NEtFOSA	1.166	0.583	1.749	N/A	N/A
NMeFOSAA	0.729	0.3645	1.0935	N/A	N/A
NEtFOSAA	0.453	0.2265	0.6795	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	0.892	0.446	1.338	N/A	N/A
ADONA	0.444	0.222	0.666	N/A	N/A
9Cl-PF3ONS	0.359	0.1795	0.5385	N/A	N/A
11Cl-PF3OUdS	0.348	0.174	0.522	N/A	N/A
3:3FTCA	0.698	0.349	1.047	N/A	N/A
5:3FTCA	0.979	0.4895	1.4685	N/A	N/A
7:3FTCA	2.144	1.072	3.216	N/A	N/A
PFEESA	0.077	0.0385	0.1155	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	0.632	0.316	0.948	N/A	N/A
TTFA	4.812	2.406	7.218	N/A	N/A

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2_1
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

Method: EPA1633F_250227.qmethod
Calibration: 250228_EPA1633_ICAL

ID: IA1633STD-.2
Name: SCI07_250228_25.wiff2
Date & Time: 2025-02-28T12:11:20
Description: WG2035470,,EPA1633F_250228_CAL_L2
Instrument: SCIEX Triple Quad 5500+
User: LCMS07: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	0.62	213.0 / 169.0	178457		0.865	N/A	N/A	N/A	108.1
2	PFPeA	2706-90-3	1.21	263.0 / 219.0	59769		0.438	0.008	N/A	N/A	109.4
3	PFPeA_2	2706-90-3	1.22	263.0 / 68.9	458	M2	0.452	0.008	N/A	N/A	113.0
4	PFHxA	307-24-4	2.05	313.0 / 269.0	45556		0.195	0.053	0.067	Pass	97.6
5	PFHxA_2	307-24-4	2.05	313.0 / 119.0	2423	M2	0.155	0.053	0.067	Pass	77.6
6	PFHpA	375-85-9	2.72	363.1 / 319.0	44318		0.199	0.324	0.345	Pass	99.8
7	PFHpA_2	375-85-9	2.73	363.1 / 169.0	14381		0.188	0.324	0.345	Pass	94.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	3.21	413.1 / 369.1	53871	M5	0.236	0.366	0.365	Pass	118.1
9	PFOA_2	335-67-1	3.21	413.1 / 169.0	19740	M5	0.231	0.366	0.365	Pass	115.4
10	PFNA	375-95-1	3.64	462.8 / 418.9	39644	M5	0.196	0.328	0.352	Pass	97.9
11	PFNA_2	375-95-1	3.64	462.8 / 219.0	12988	M5	0.193	0.328	0.352	Pass	96.7
12	PFDA	335-76-2	4.04	513.1 / 469.1	43748		0.190	0.151	0.185	Pass	95.0
13	PFDA_2	335-76-2	4.05	513.1 / 219.0	6599		0.164	0.151	0.185	Pass	81.8
14	PFUnA	2058-94-8	4.44	563.1 / 519.1	43327		0.192	0.186	0.166	Pass	95.8
15	PFUnA_2	2058-94-8	4.44	563.1 / 269.0	8043		0.214	0.186	0.166	Pass	106.8
16	PFDoA	307-55-1	4.82	613.1 / 569.1	45373		0.198	0.146	0.150	Pass	99.1
17	PFDoA_2	307-55-1	4.82	613.1 / 319.0	6618		0.182	0.146	0.150	Pass	90.8
18	PFTrDA	72629-94-8	5.20	663.1 / 619.1	44282		0.207	0.142	0.134	Pass	103.6
19	PFTrDA_2	72629-94-8	5.19	663.1 / 169.0	6286		0.198	0.142	0.134	Pass	98.8
20	PFTeDA	376-06-7	5.56	713.1 / 669.1	37754		0.196	0.173	0.150	Pass	98.2
21	PFTeDA_2	376-06-7	5.56	713.1 / 169.0	6524		0.215	0.173	0.150	Pass	107.4
22	PFBS	375-73-5	2.05	299.1 / 80.1	25868		0.180	0.340	0.341	Pass	101.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	2.04	299.1 / 99.1	8804		0.173	0.340	0.341	Pass	97.1
24	PFPeS	2706-91-4	2.78	349.1 / 80.1	25240		0.190	0.220	0.296	Pass	101.1
25	PFPeS_2	2706-91-4	2.79	349.1 / 99.1	5557		0.143	0.220	0.296	Pass	75.8
26	PFHxS	355-46-4	3.32	399.1 / 80.1	21234	M5	0.181	0.288	0.298	Pass	99.7
27	PFHxS_2	355-46-4	3.31	399.1 / 99.1	6108	M5	0.179	0.288	0.298	Pass	98.6
28	PFHpS	375-92-8	3.77	449.1 / 80.1	23807		0.188	0.352	0.277	Pass	99.1
29	PFHpS_2	375-92-8	3.77	449.1 / 99.1	8387		0.227	0.352	0.277	Pass	119.7
30	PFOS	1763-23-1	4.20	499.1 / 80.1	29431	M5	0.192	0.182	0.236	Pass	103.1
31	PFOS_2	1763-23-1	4.19	499.1 / 99.1	5343	M4	0.149	0.182	0.236	Pass	79.9
32	PFNS	68259-12-1	4.60	549.1 / 80.1	19585		0.183	0.251	0.265	Pass	95.3
33	PFNS_2	68259-12-1	4.60	549.1 / 99.1	4922		0.165	0.251	0.265	Pass	86.0
34	PFDS	335-77-3	4.98	599.1 / 80.1	19916		0.194	0.247	0.275	Pass	100.7
35	PFDS_2	335-77-3	4.98	599.1 / 99.1	4918		0.171	0.247	0.275	Pass	88.5
36	PFDoS	79780-39-5	5.72	699.2 / 80.1	22032		0.197	0.282	0.245	Pass	101.8
37	PFDoS_2	79780-39-5	5.72	699.2 / 99.1	6219		0.218	0.282	0.245	Pass	112.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	1.80	327.1 / 307.1	24197		0.777	0.499	0.542	Pass	103.5
39	4:2FTS_2	757124-72-4	1.80	327.1 / 81.1	12076		0.722	0.499	0.542	Pass	96.3
40	6:2FTS	27619-97-2	3.03	427.2 / 407.2	20166		0.761	0.545	0.555	Pass	100.0
41	6:2FTS_2	27619-97-2	3.03	427.2 / 81.1	10996		0.763	0.545	0.555	Pass	100.3
42	8:2FTS	39108-34-4	3.86	527.2 / 507.2	14022		0.735	0.713	0.824	Pass	95.7
43	8:2FTS_2	39108-34-4	3.86	527.2 / 81.1	10003		0.685	0.713	0.824	Pass	89.2
44	PFOSA	754-91-6	5.33	498.1 / 78.1	31010	M5	0.197	0.037	0.029	Pass	98.3
45	PFOSA_2	754-91-6	5.29	498.1 / 478.0	1155	M2	0.250	0.037	0.029	Pass	125.2
46	NMeFOSA	31506-32-8	6.04	512.2 / 219.0	7591	M5	0.180	1.479	1.426	Pass	89.9
47	NMeFOSA_2	31506-32-8	6.01	512.2 / 169.0	11230	M5	0.185	1.479	1.426	Pass	92.6
48	NEtFOSA	4151-50-2	6.34	526.2 / 219.0	8314		0.197	1.156	1.166	Pass	98.5
49	NEtFOSA_2	4151-50-2	6.30	526.2 / 169.0	9613	M5	0.192	1.156	1.166	Pass	96.1
50	NMeFOSAA	2355-31-9	4.15	570.2 / 419.1	10871		0.232	0.537	0.729	Pass	116.1
51	NMeFOSAA_2	2355-31-9	4.15	570.2 / 483.0	5835	M5	0.180	0.537	0.729	Pass	89.8
52	NEtFOSAA	2991-50-6	4.35	584.2 / 419.1	4144	M5	0.167	0.450	0.453	Pass	83.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.28	584.2 / 526.2	1867	M2	0.158	0.450	0.453	Pass	79.1
54	NMeFOSE	24448-09-7	5.92	616.1 / 58.9	72802	M5	2.085	N/A	N/A	N/A	104.2
55	NEtFOSE	1691-99-2	6.21	630.0 / 58.9	171334	M5	2.015	N/A	N/A	N/A	100.7
56	HFPO-DA	13252-13-6	2.32	285.0 / 169.0	77371		0.910	0.840	0.892	Pass	113.7
57	HFPO-DA_2	13252-13-6	2.32	285.0 / 184.9	65005		0.877	0.840	0.892	Pass	109.6
58	ADONA	919005-14-4	2.91	376.9 / 251.0	335140		0.806	0.434	0.444	Pass	106.7
59	ADONA_2	919005-14-4	2.91	376.9 / 84.8	145497		0.827	0.434	0.444	Pass	109.3
60	9Cl-PF3ONS	756426-58-1	4.47	530.8 / 351.1	309567		0.841	0.327	0.359	Pass	112.7
61	9Cl-PF3ONS_2	756426-58-1	4.47	532.8 / 353.0	101300		0.790	0.327	0.359	Pass	105.9
62	11Cl-PF3OUdS	763051-92-9	5.24	630.9 / 451.0	237163		0.828	0.302	0.348	Pass	109.9
63	11Cl-PF3OUdS_2	763051-92-9	5.24	632.9 / 452.9	71610		0.734	0.302	0.348	Pass	97.4
64	3:3FTCA	356-02-5	1.60	241.1 / 177.1	15220		0.965	0.835	0.698	Pass	96.5
65	3:3FTCA_2	356-02-5	1.59	241.1 / 117.0	12708		1.105	0.835	0.698	Pass	110.5
66	5:3FTCA	914637-49-3	3.22	341.1 / 237.1	249140		4.838	1.036	0.979	Pass	96.8
67	5:3FTCA_2	914637-49-3	3.22	341.1 / 217.0	258035		5.083	1.036	0.979	Pass	101.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	4.20	441.1 / 316.9	95168		4.412	2.280	2.144	Pass	88.2
69	7:3FTCA_2	812-70-4	4.20	441.1 / 337.1	217012		4.941	2.280	2.144	Pass	98.8
70	PFEESA	113507-82-7	2.42	315.1 / 135.0	166466		0.370	0.078	0.077	Pass	103.6
71	PFEESA_2	113507-82-7	2.41	315.1 / 82.9	13005		0.362	0.078	0.077	Pass	101.3
72	PFMPA	377-73-1	0.78	229.0 / 85.0	65097		0.378	N/A	N/A	N/A	94.6
73	PFMBA	863090-89-5	1.50	279.0 / 85.0	71173		0.424	N/A	N/A	N/A	106.0
74	NFDHA	151772-58-6	1.95	295.0 / 201.0	44042		0.374	0.680	0.632	Pass	93.5
75	NFDHA_2	151772-58-6	1.95	295.0 / 84.9	29947		0.395	0.680	0.632	Pass	98.9
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	4.812	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	4.812	N/A	N/A
78	13C2D4-4:2FTS	Surr	1.79	333.2 / 312.1	140393		4.974	N/A	N/A	N/A	99.5
79	13C2-PFOA	Surr	3.21	415.0 / 370.0	241012		2.991	N/A	N/A	N/A	119.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.62	217.0 / 172.0	2262465		9.469	NA	NA	NA	94.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.21	268.0 / 223.0	657113		4.740	NA	NA	NA	94.8
	13C5-PFHxA	EIS	2.04	318.0 / 273.0	324109		2.525	NA	NA	NA	101.0
	13C4-PFHpA	EIS	2.72	367.0 / 322.0	555769		2.388	NA	NA	NA	95.5
	13C8-PFOA	EIS	3.21	420.8 / 376.0	664610		2.725	NA	NA	NA	109.0
	13C9-PFNA	EIS	3.64	472.0 / 427.0	318893		1.147	NA	NA	NA	91.7
	13C6-PFDA	EIS	4.04	519.0 / 474.0	339210		1.228	NA	NA	NA	98.3
	13C7-PFUnA	EIS	4.43	570.0 / 525.0	361955		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	4.82	615.1 / 570.0	327880		1.245	NA	NA	NA	99.6
	13C2-PFTeDA	EIS	5.55	715.1 / 670.1	214300		1.228	NA	NA	NA	98.3
	13C3-PFBS	EIS	2.04	302.1 / 80.1	311727		2.073	NA	NA	NA	89.0
	13C3-PFHxS	EIS	3.31	402.1 / 80.1	277680		2.162	NA	NA	NA	91.2
	13C8-PFOS	EIS	4.19	507.1 / 80.1	345835		2.276	NA	NA	NA	94.9
	13C2-4:2FTS	EIS	1.79	329.1 / 81.1	79077		4.128	NA	NA	NA	88.0
	13C2-6:2FTS	EIS	3.03	429.2 / 81.1	67764		4.337	NA	NA	NA	91.1
	13C2-8:2FTS	EIS	3.86	529.2 / 81.1	79742		4.332	NA	NA	NA	90.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	5.33	506.1 / 78.1	558278		2.236	NA	NA	NA	89.4
	d3-NMeFOSA	EIS	6.04	515.2 / 219.0	100920		2.249	NA	NA	NA	89.9
	d5-NEtFOSA	EIS	6.33	531.2 / 219.0	85198		2.213	NA	NA	NA	88.5
	d3-NMeFOSAA	EIS	4.15	573.2 / 419.1	337035		5.352	NA	NA	NA	107.0
	d5-NEtFOSAA	EIS	4.35	589.3 / 419.1	118021		4.406	NA	NA	NA	88.1
	d7-NMeFOSE	EIS	5.90	623.2 / 58.9	311806		22.406	NA	NA	NA	89.6
	d9-NEtFOSE	EIS	6.19	639.2 / 58.9	683125		21.343	NA	NA	NA	85.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.31	287.0 / 169.0	841262		8.754	NA	NA	NA	87.5
	13C3-PFBA	NIS	0.62	216.0 / 172.0	1071399		5.456	NA	NA	NA	109.1
	13C2-PFHxA	NIS	2.04	315.0 / 270.0	494361		2.541	NA	NA	NA	101.6
	13C4-PFOA	NIS	3.21	417.0 / 372.0	167707		1.988	NA	NA	NA	79.5
	13C5-PFNA	NIS	3.63	468.0 / 423.0	363227		1.294	NA	NA	NA	103.6
	13C2-PFDA	NIS	4.04	515.1 / 470.1	323570		1.255	NA	NA	NA	100.4
	18O2-PFHxS	NIS	3.31	403.1 / 84.1	253612		2.546	NA	NA	NA	107.4
	13C4-PFOS	NIS	4.19	503.1 / 80.1	278327		2.550	NA	NA	NA	106.3

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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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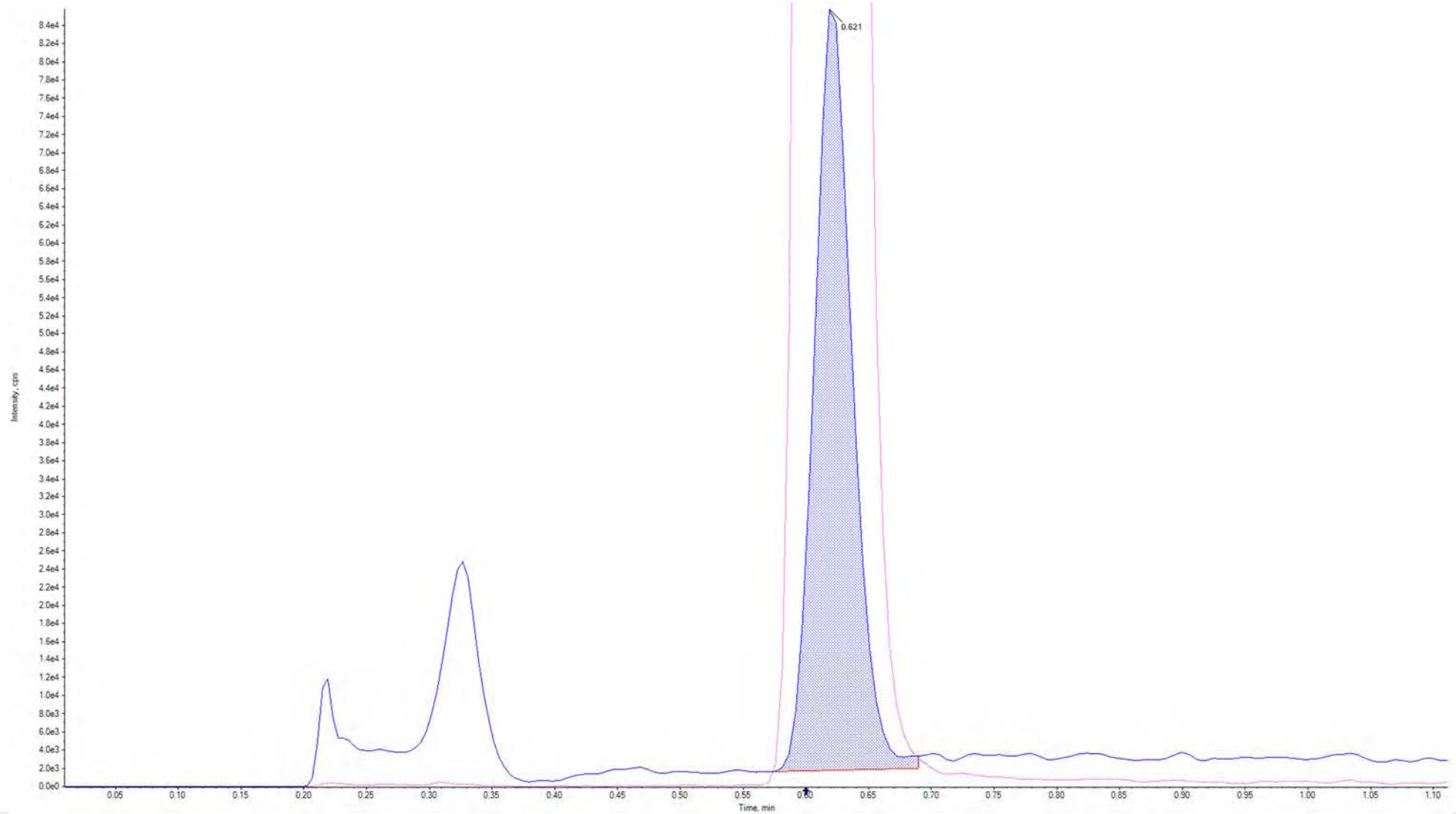

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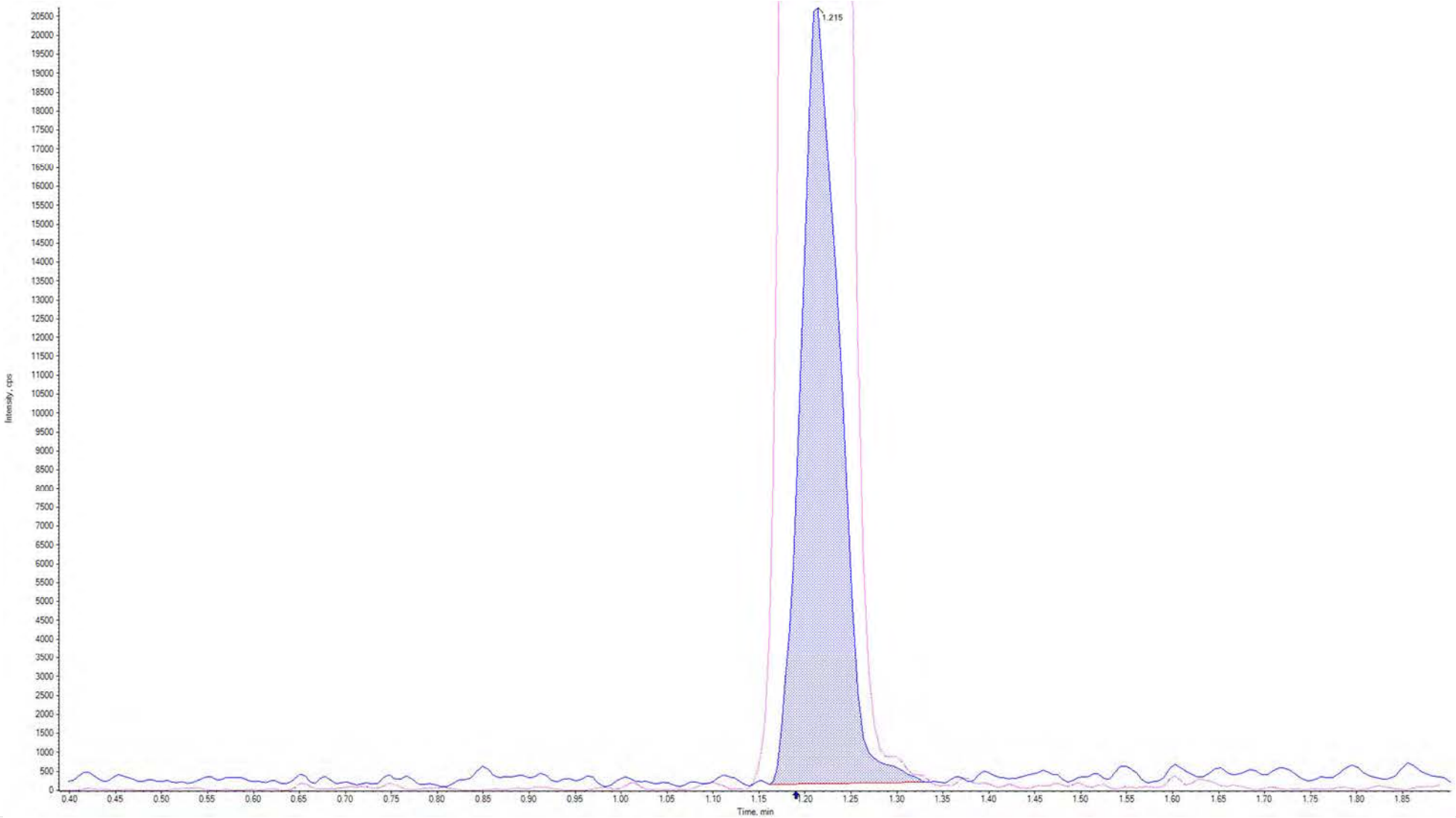
PFPeA
Sample: IA1633STD-.2 S/N:612.4 Points Across peak:34



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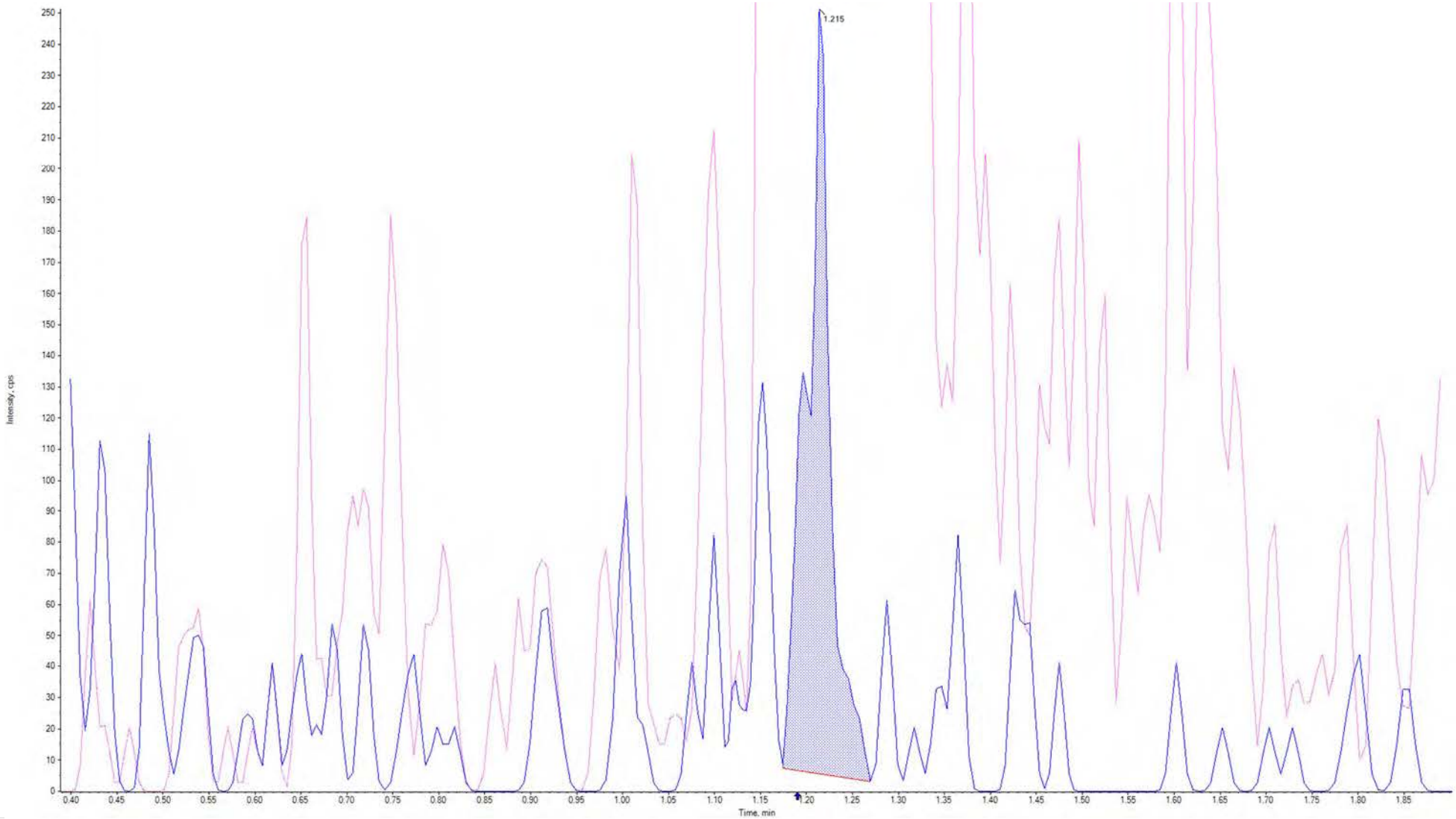
PFPeA_2
Sample: IA1633STD-.2 S/N:11.7 Points Across peak:20



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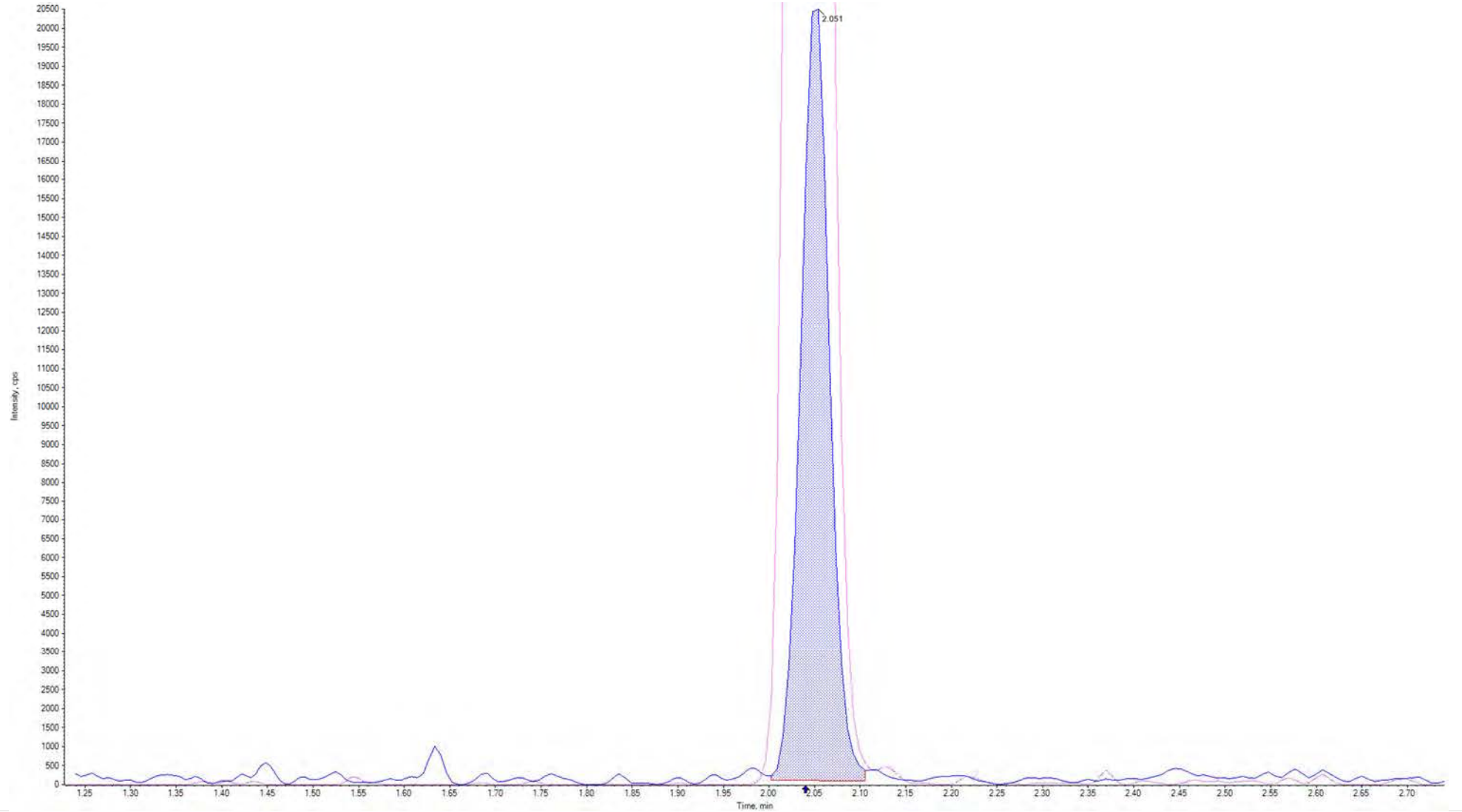
PFHxA
Sample: IA1633STD-.2 S/N:409.0 Points Across peak:17



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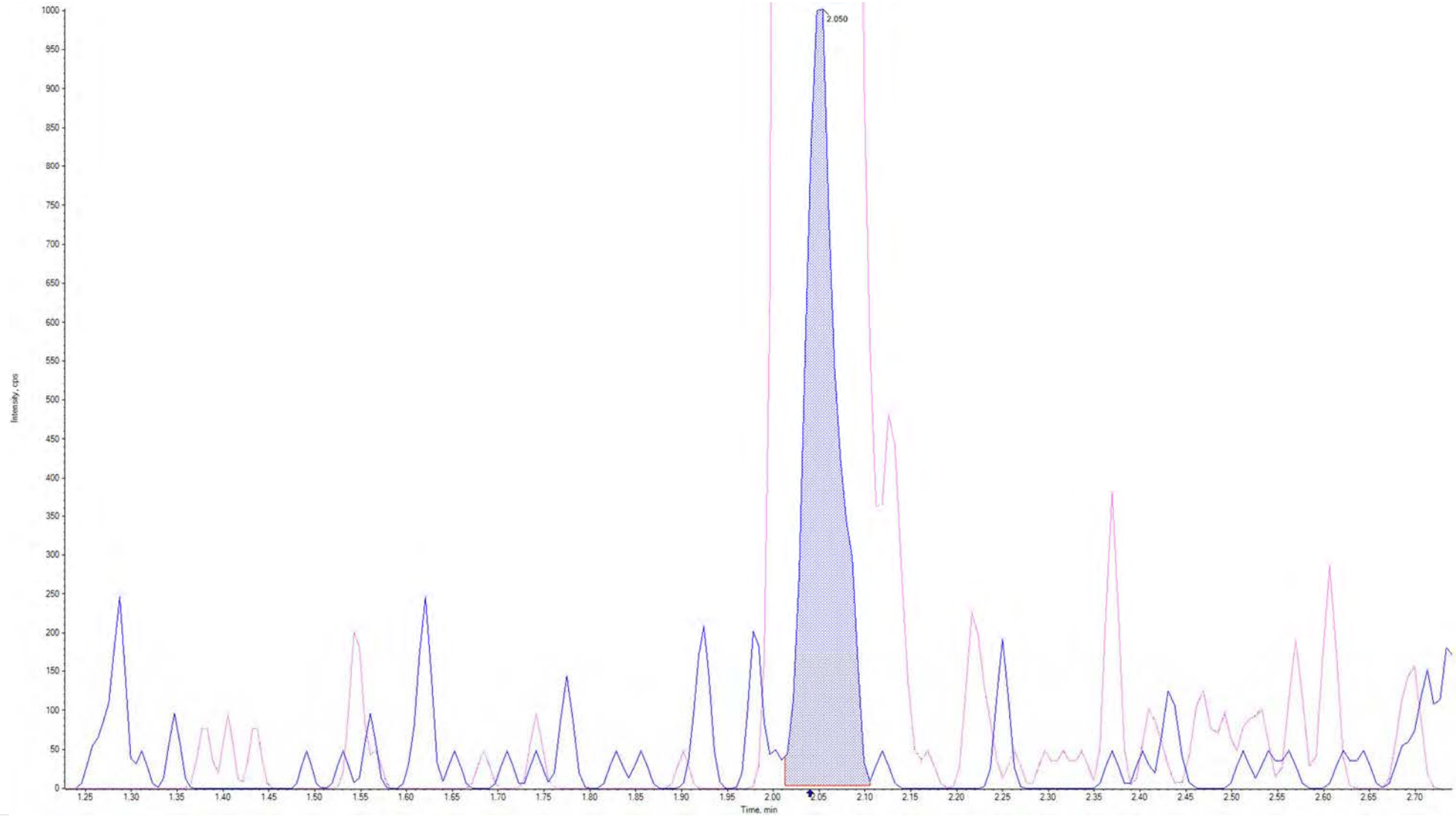
PFHxA_2
Sample: IA1633STD-.2 S/N:20.0 Points Across peak:17



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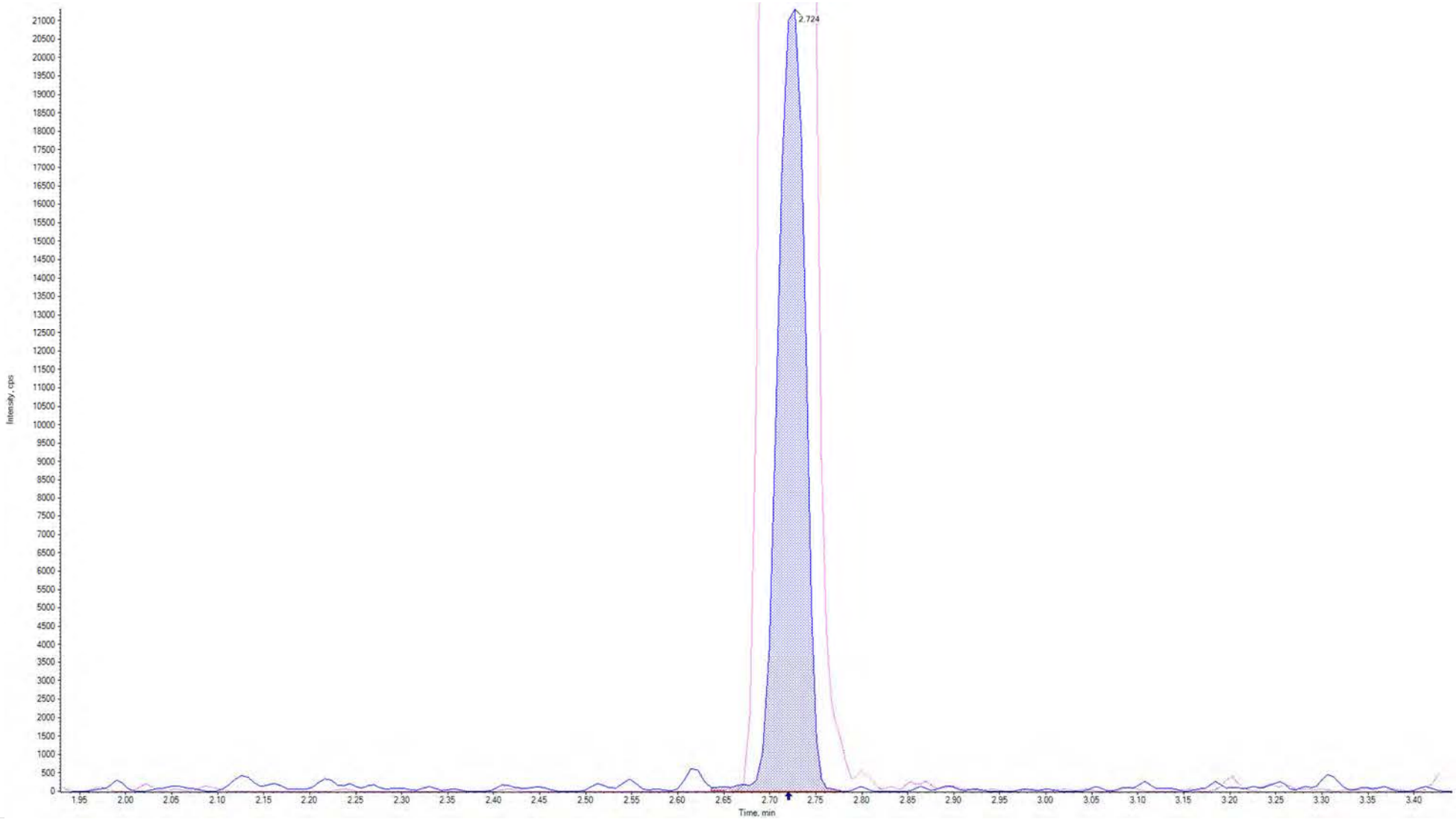
PFHpA
Sample: IA1633STD-.2 S/N:320.4 Points Across peak:24



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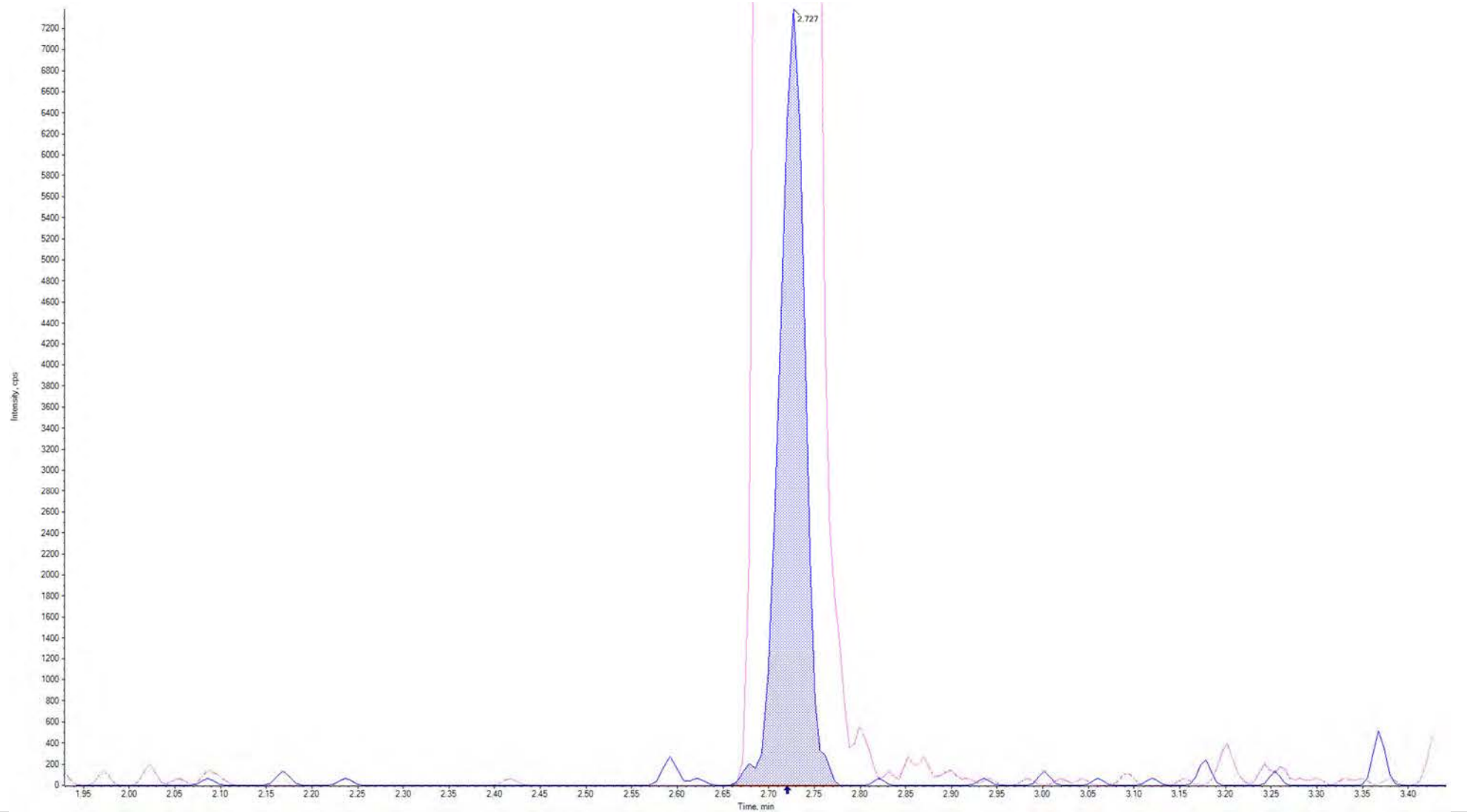
PFHpA_2
Sample: IA1633STD-.2 S/N:111.0 Points Across peak:24



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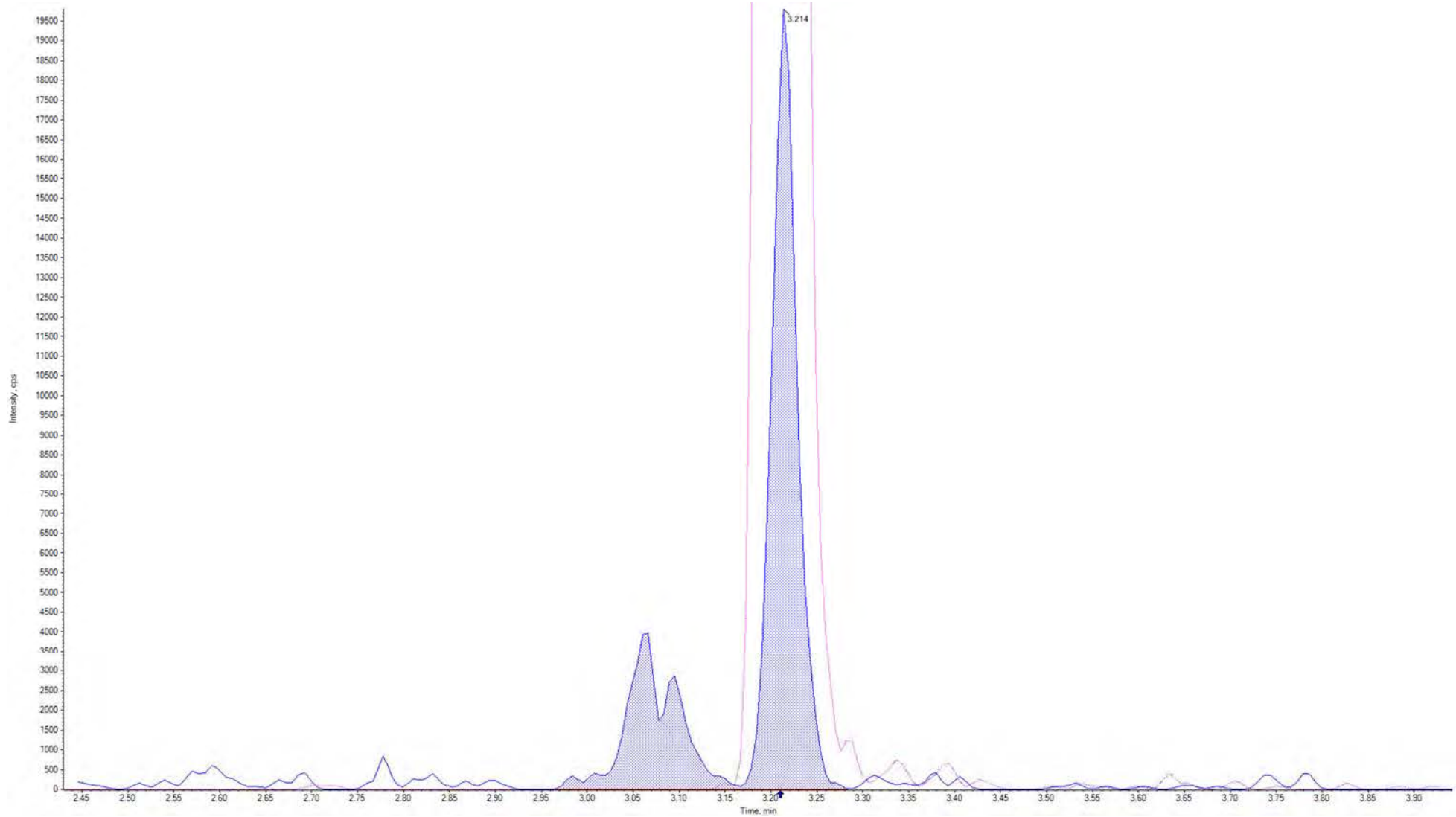
PFOA
Sample: IA1633STD-.2 S/N:217.8 Points Across peak:57



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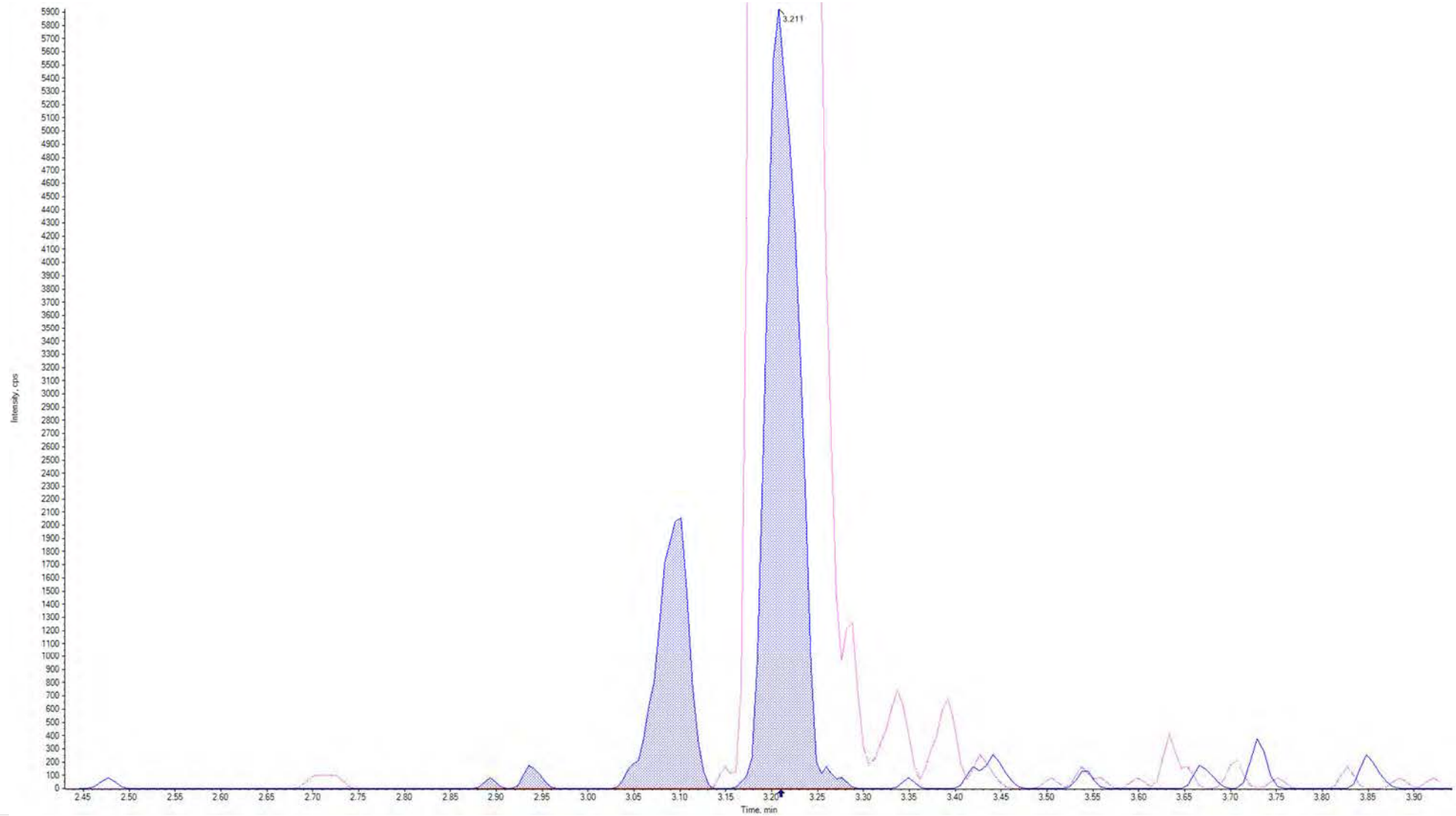
PFOA_2
Sample: IA1633STD-.2 S/N:74.2 Points Across peak:74



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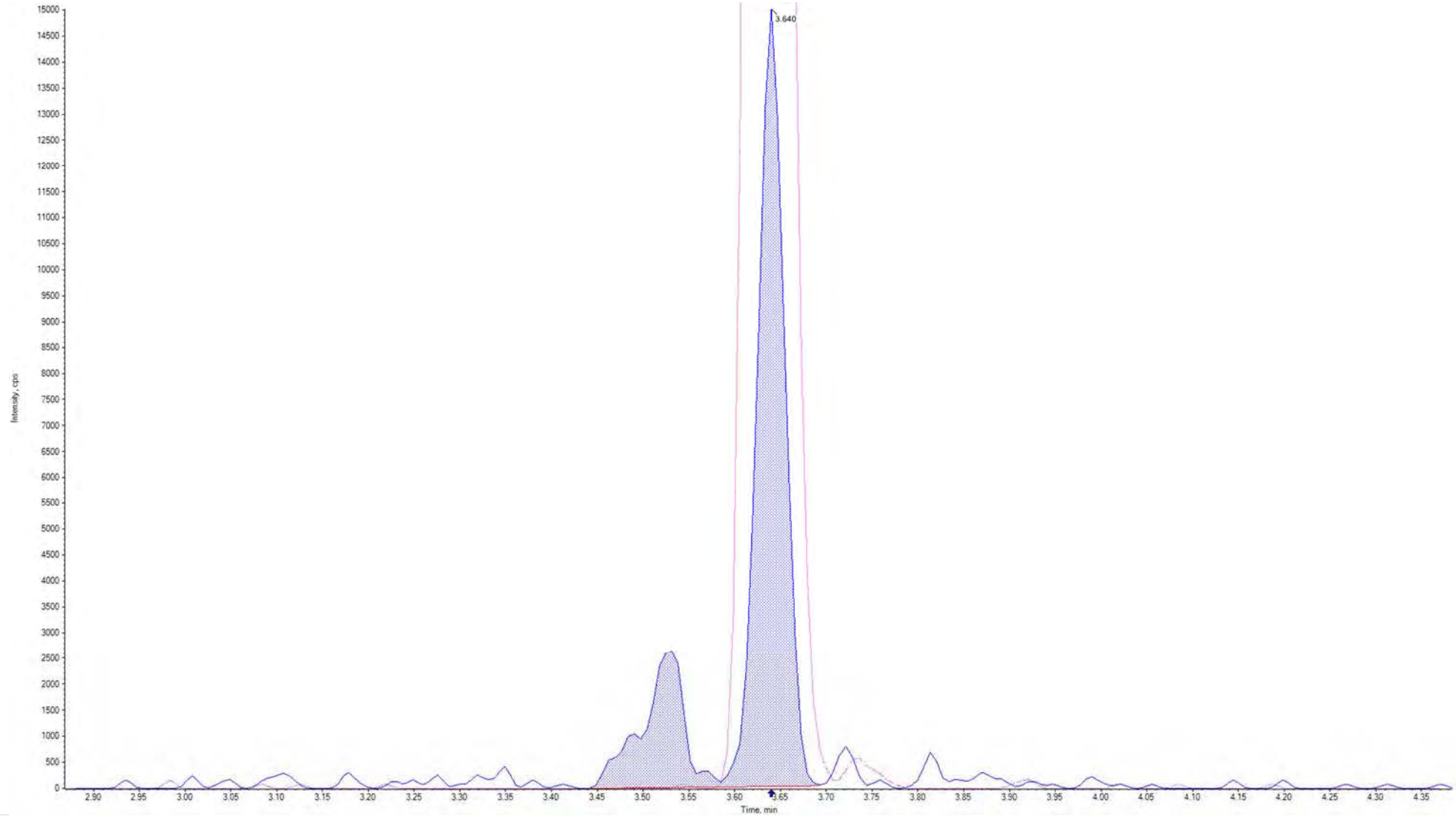
PFNA
Sample: IA1633STD-.2 S/N:187.6 Points Across peak:38



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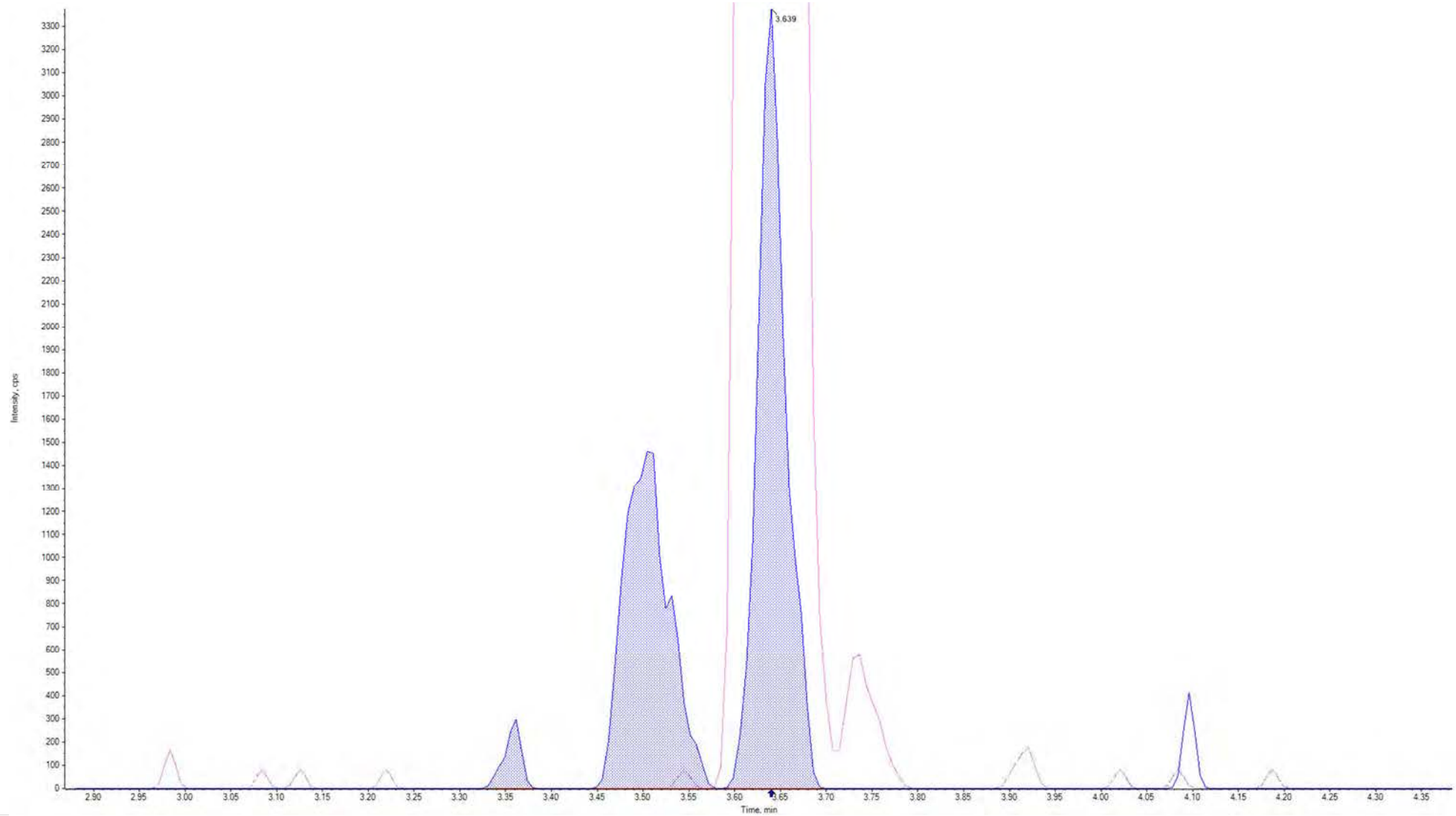
PFNA_2
Sample: IA1633STD-.2 S/N:42.3 Points Across peak:58



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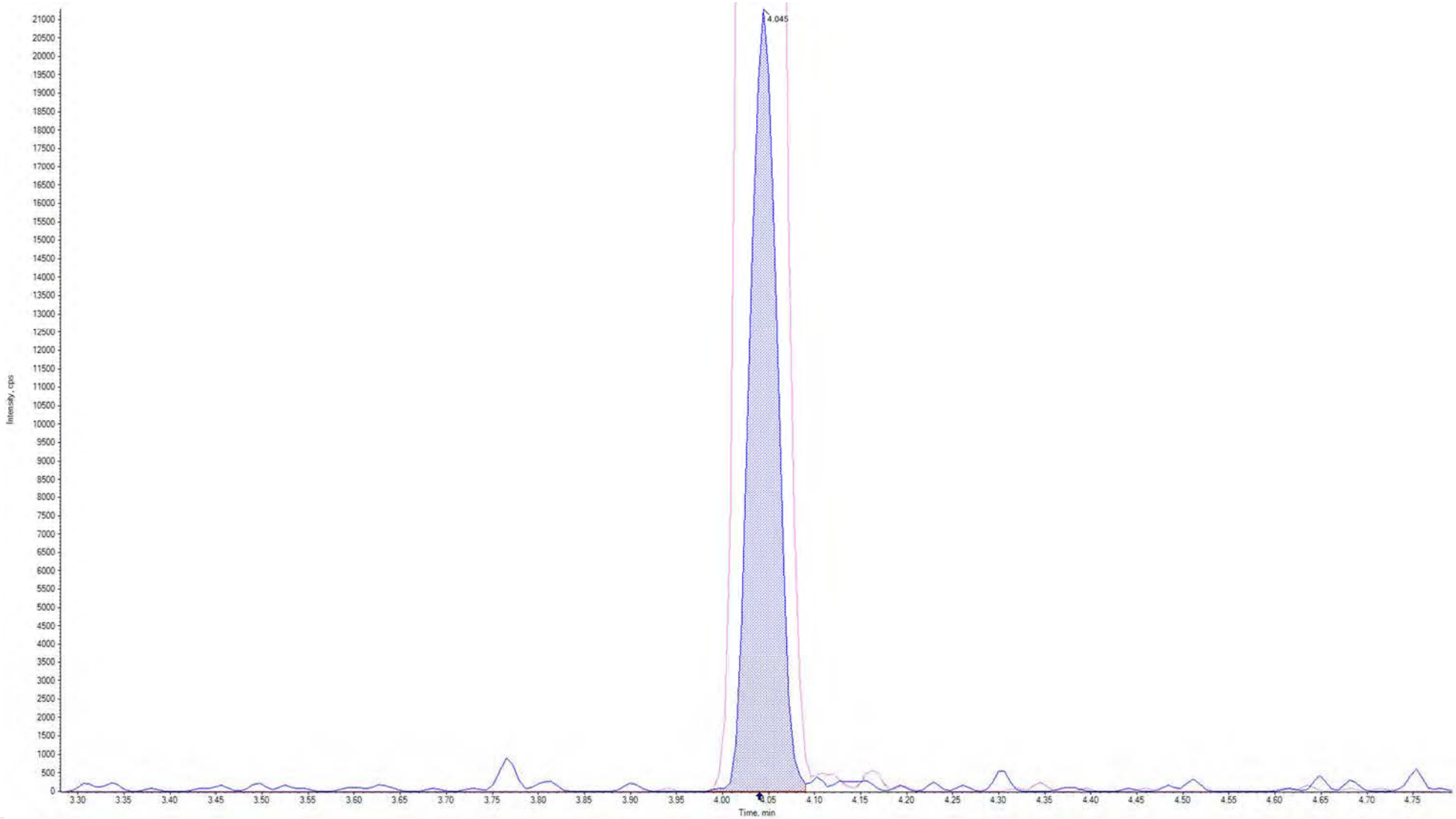
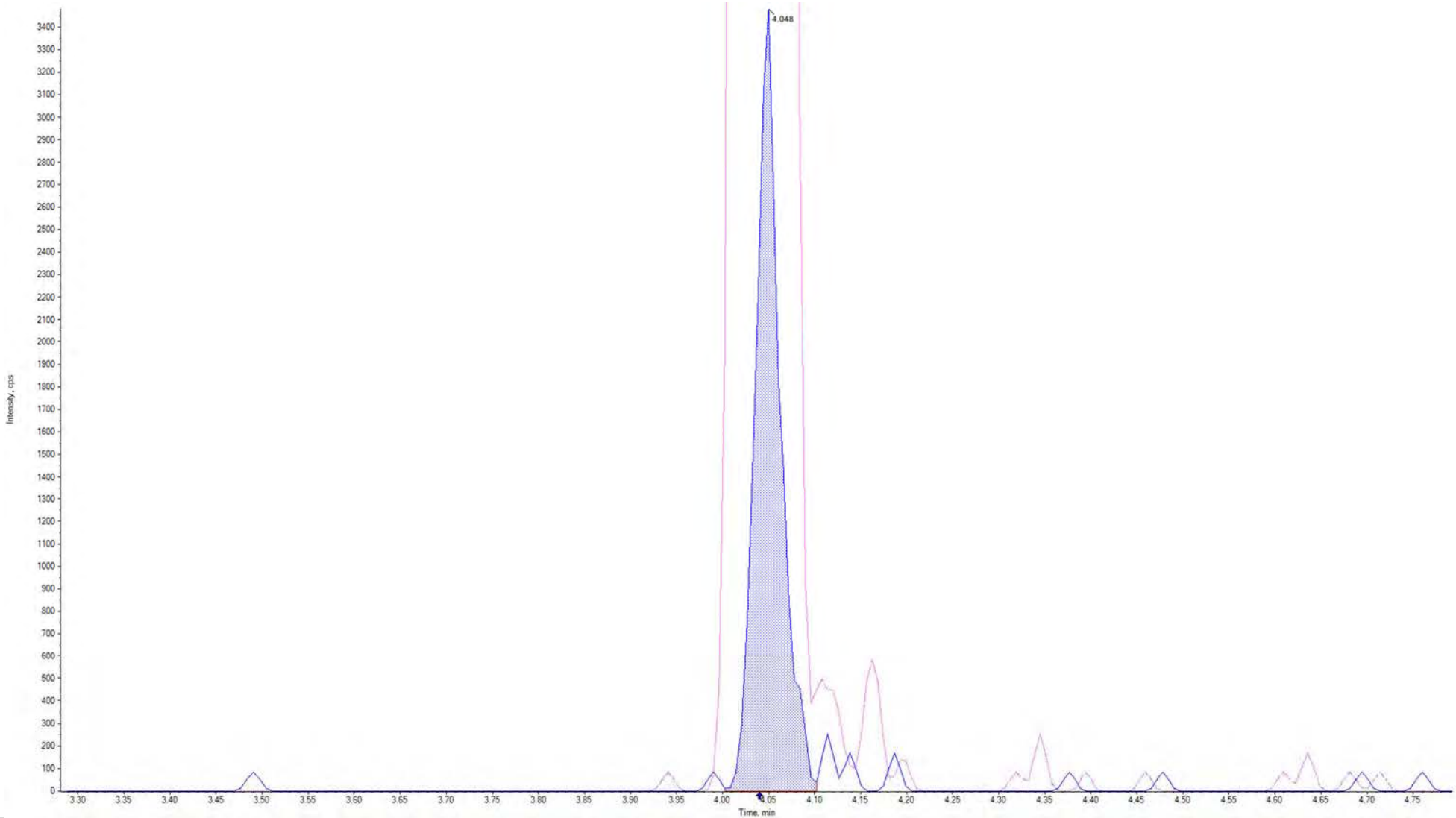
PFDA
Sample: IA1633STD-.2 S/N:266.6 Points Across peak:21



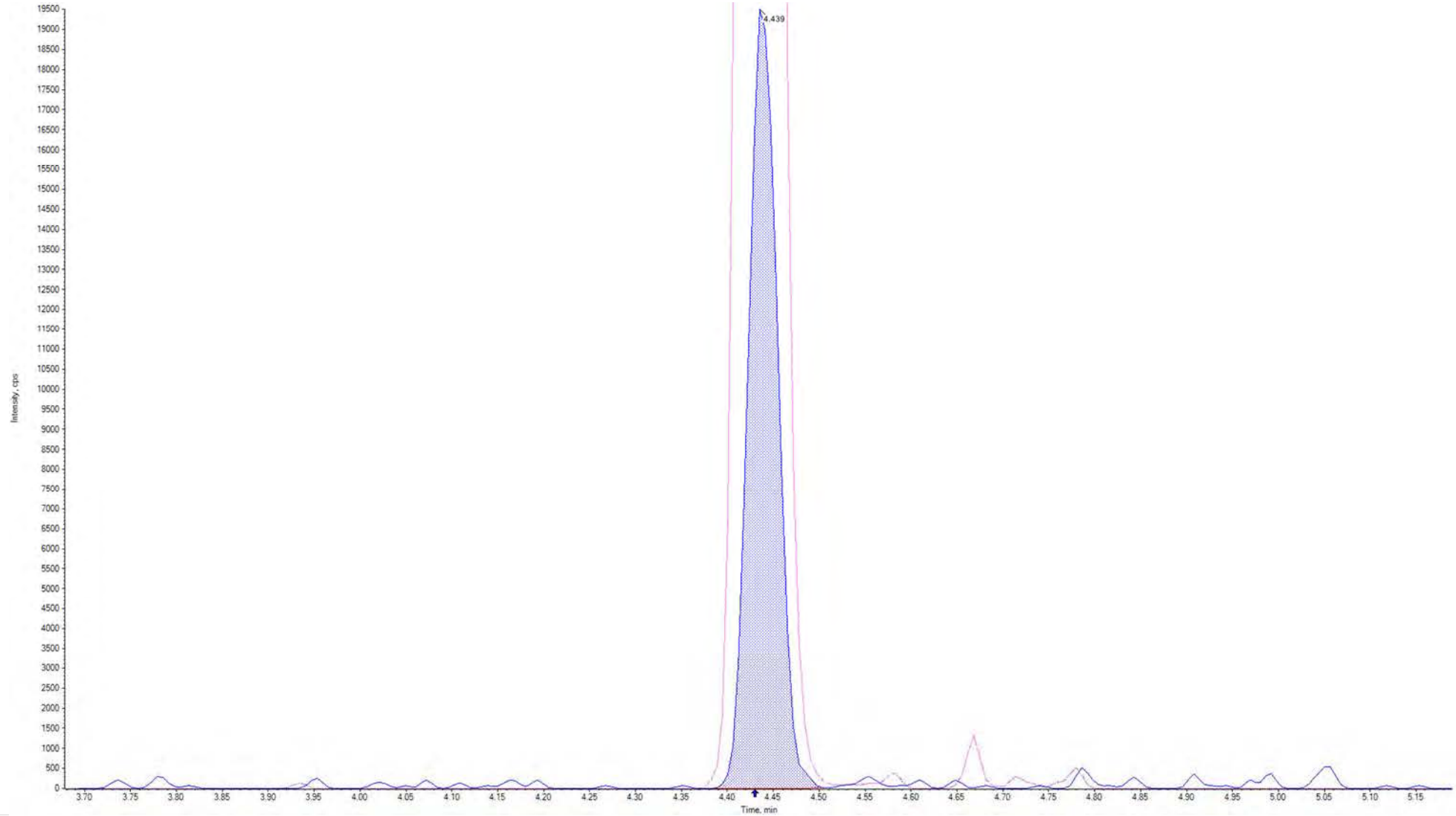
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2_1
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFDA_2
Sample: IA1633STD-.2 S/N:43.6 Points Across peak:18



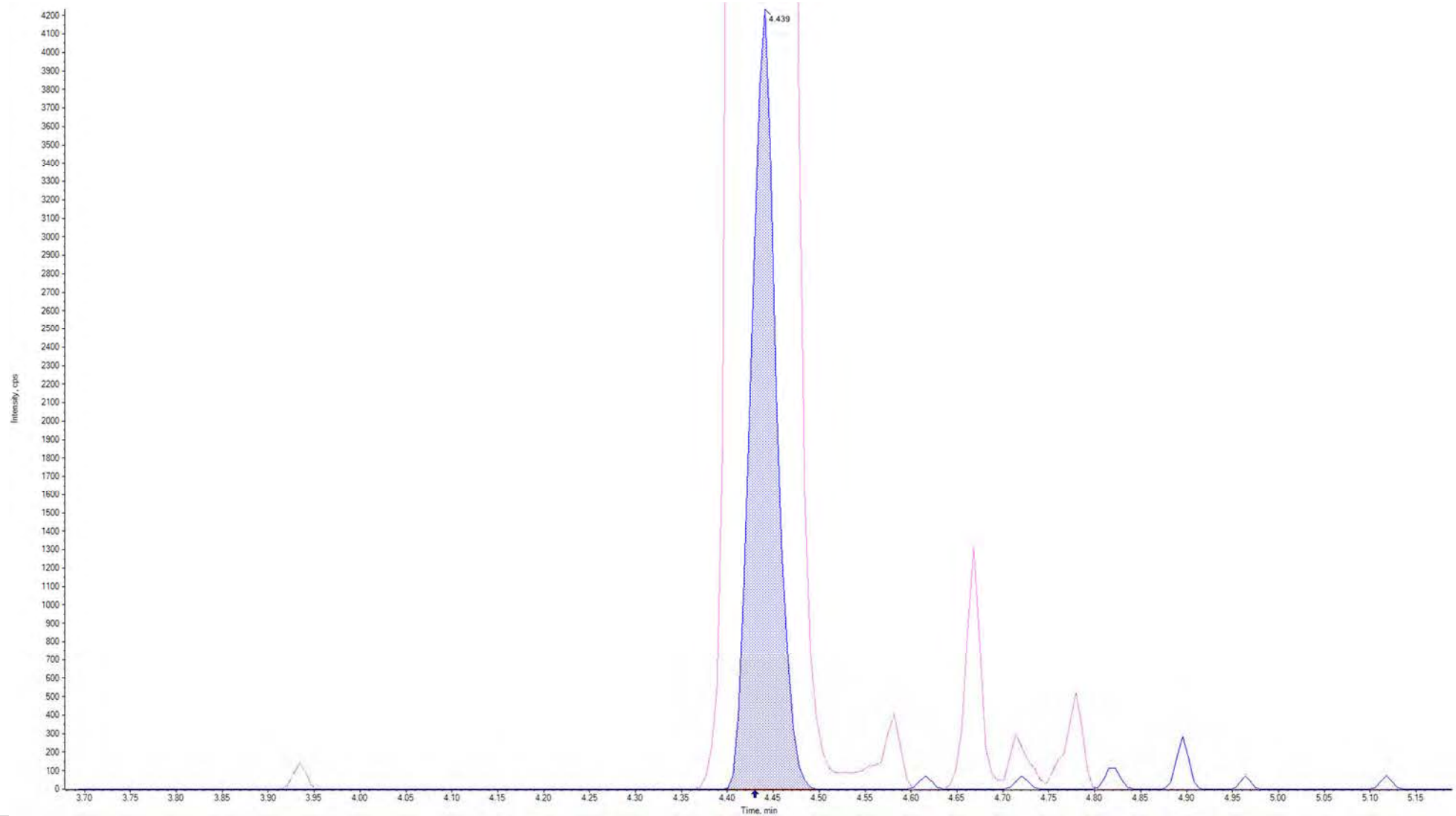
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2_1
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFUnA
Sample: IA1633STD-.2 S/N:293.2 Points Across peak:23



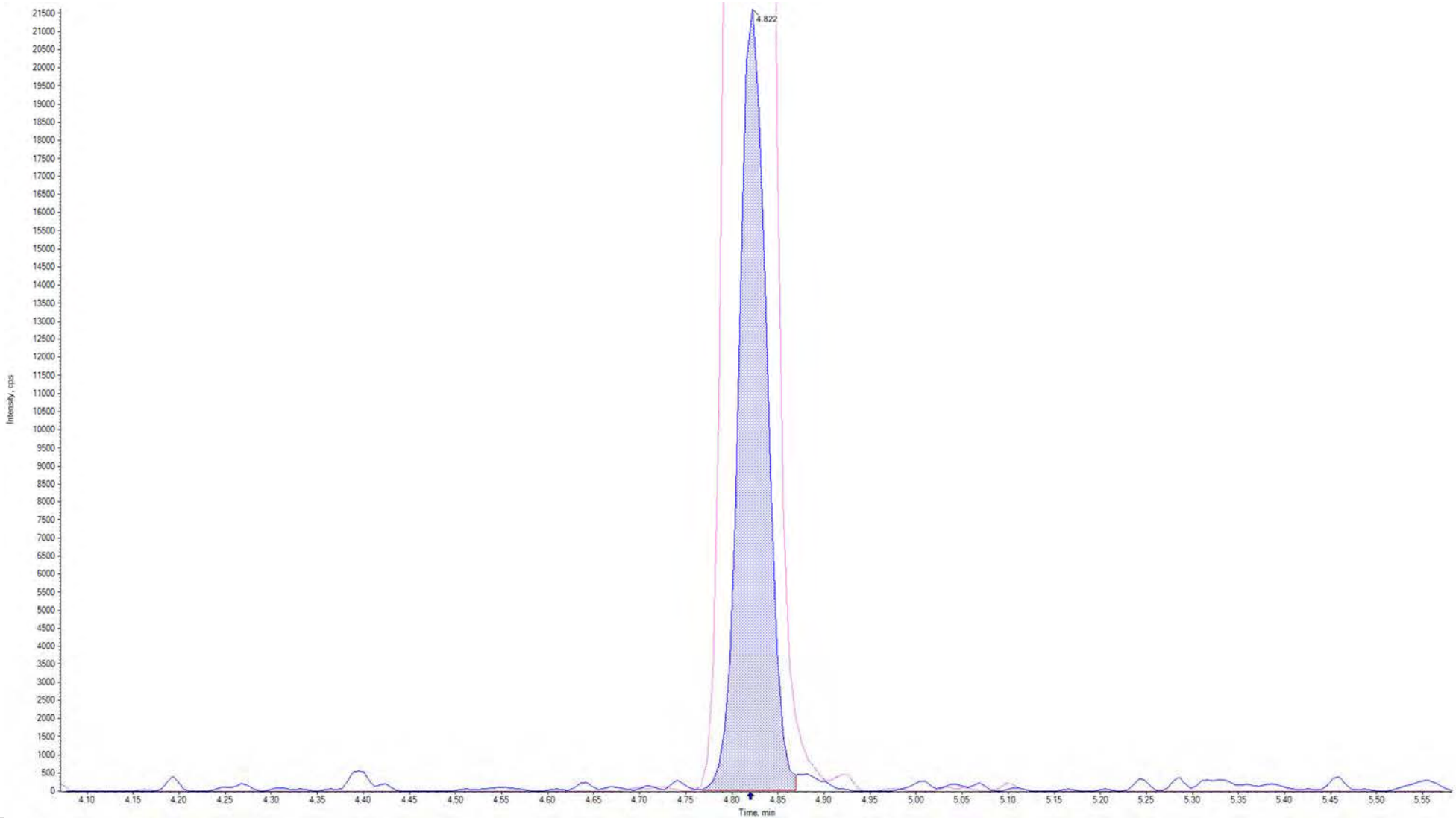
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2_1
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFUnA_2
Sample: IA1633STD-.2 S/N:63.7 Points Across peak:27



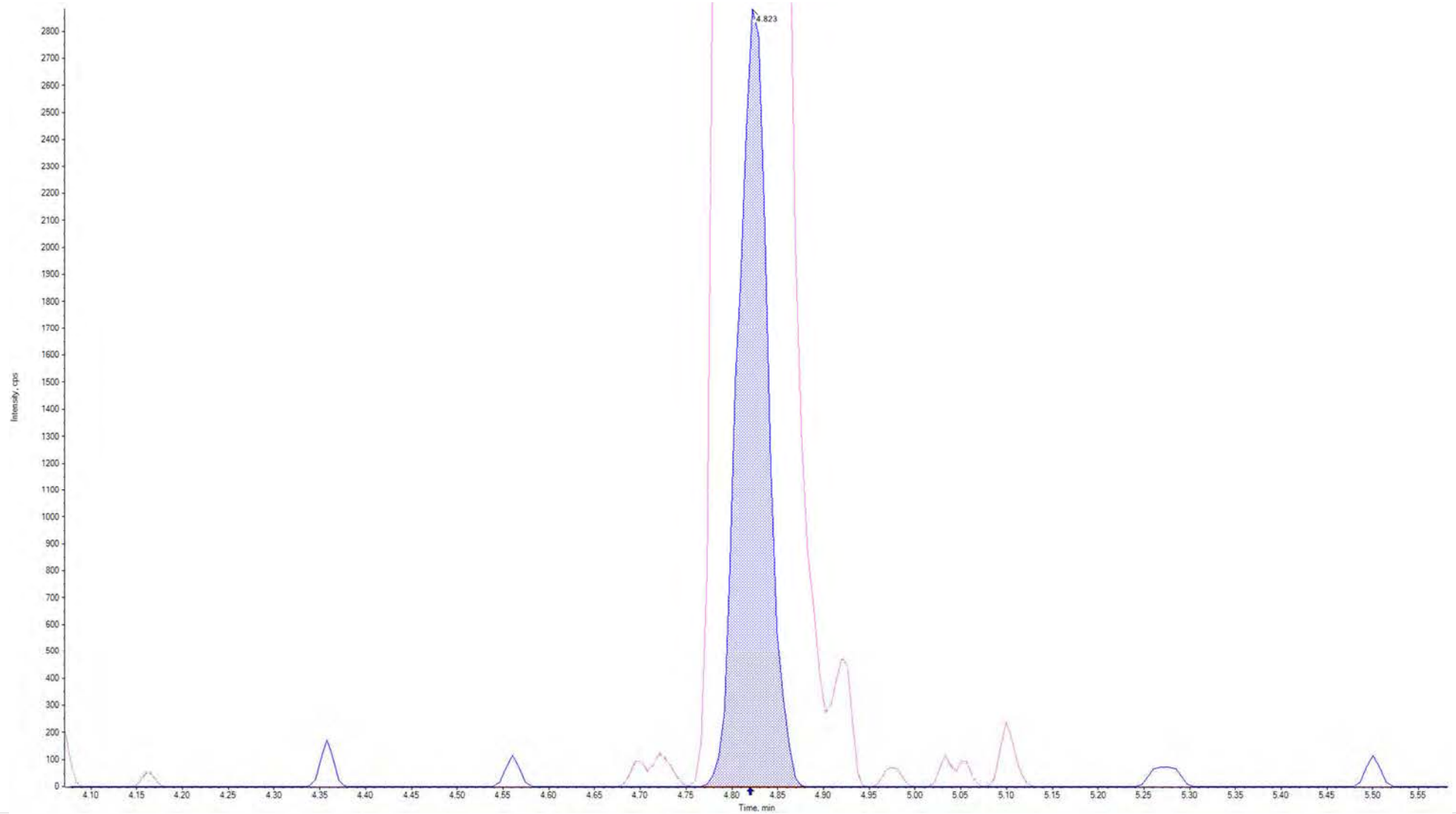
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2_1
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFDoA
Sample: IA1633STD-.2 S/N:378.8 Points Across peak:17



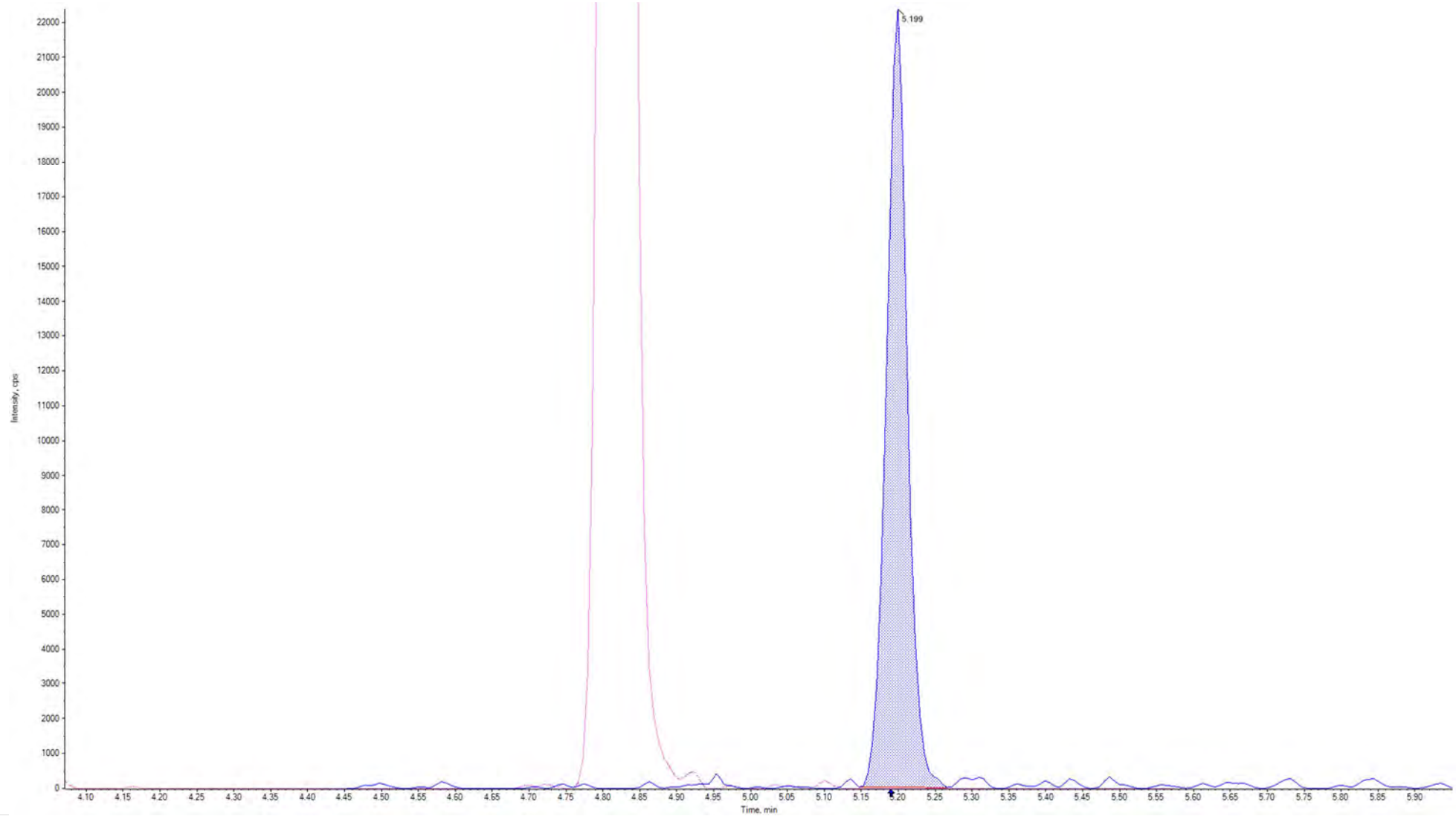
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2_1
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFDoA_2
Sample: IA1633STD-.2 S/N:50.6 Points Across peak:28



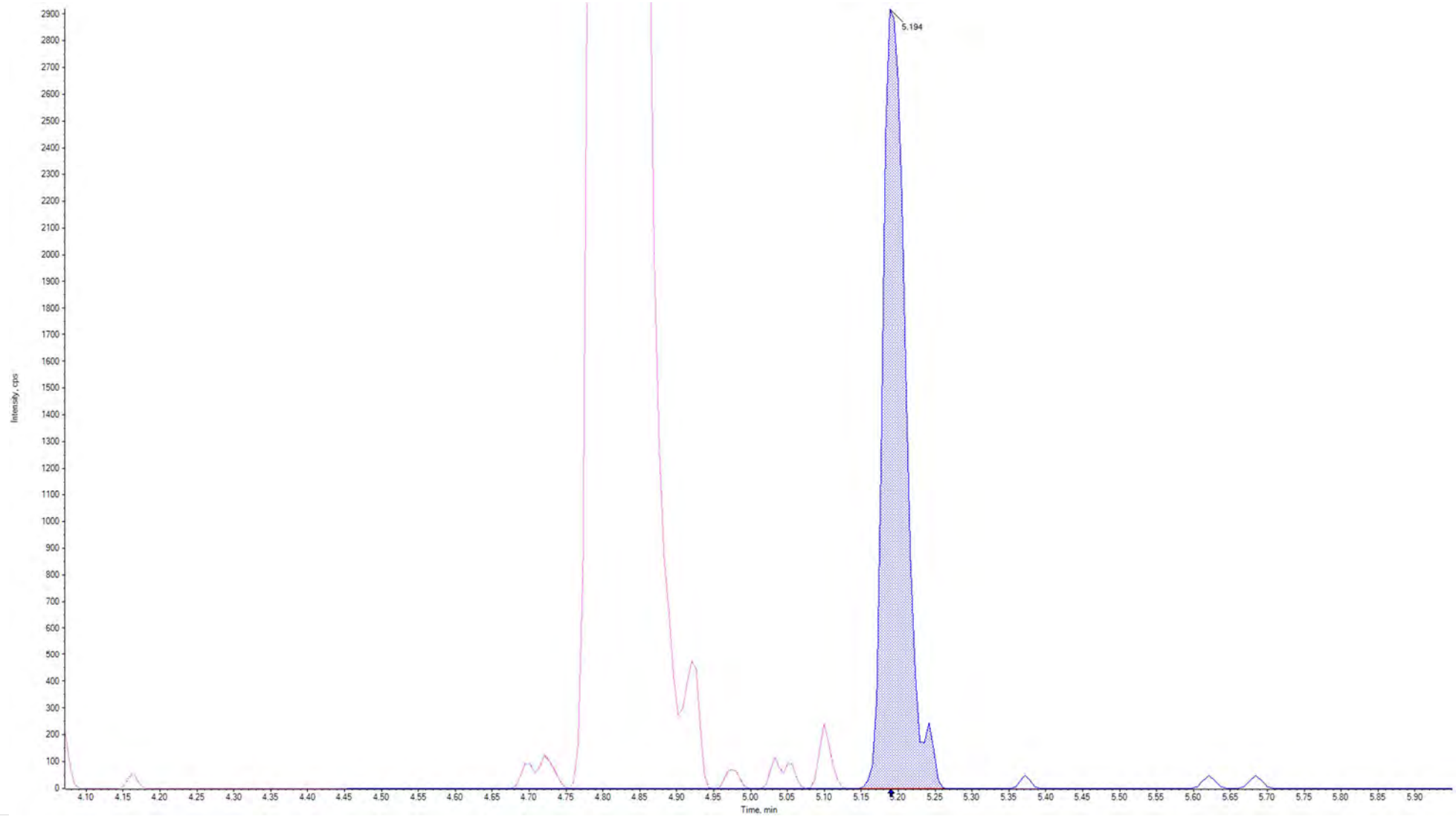
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2_1
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFTrDA
Sample: IA1633STD-.2 S/N:448.0 Points Across peak:21



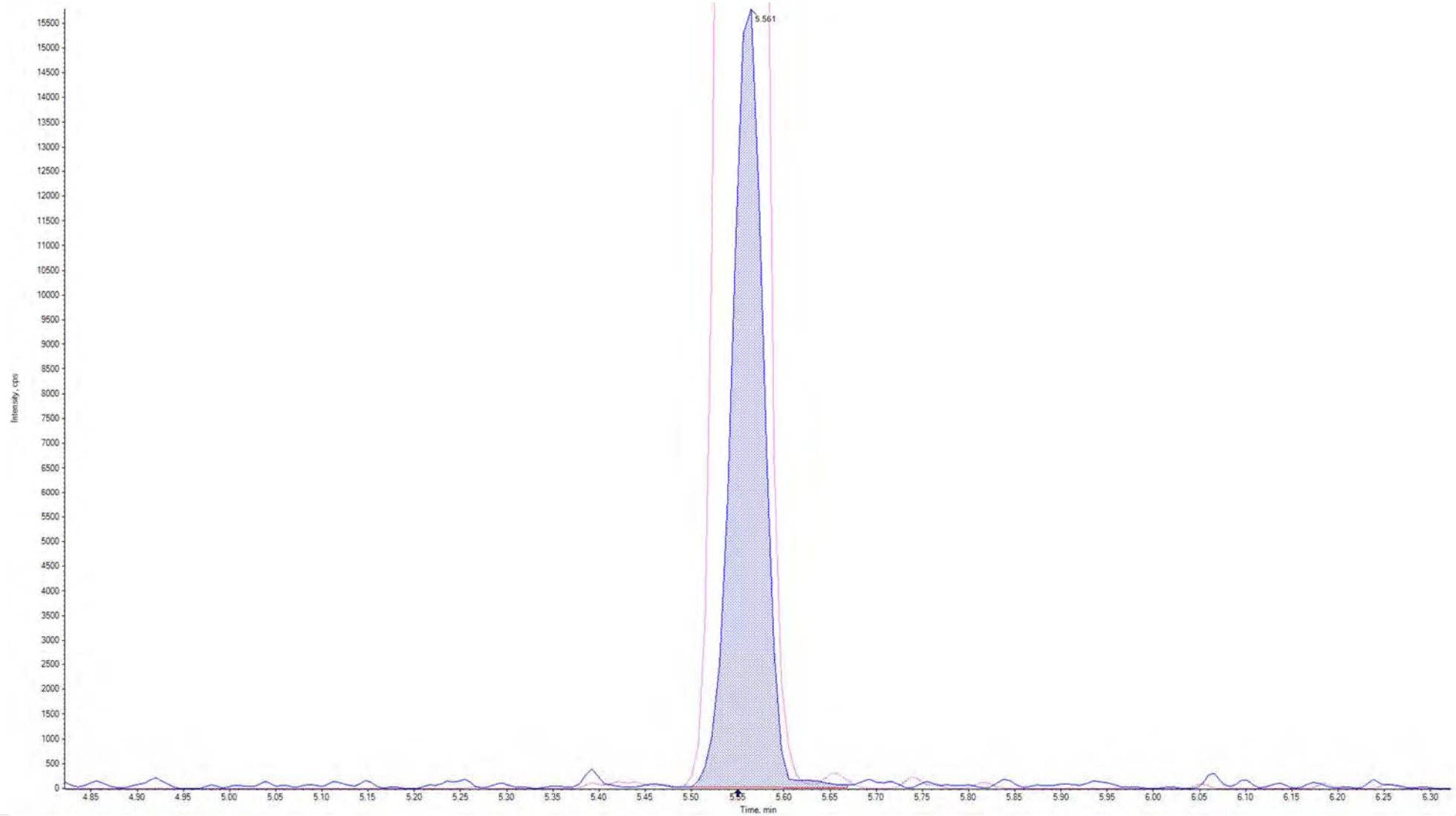
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2_1
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFTrDA_2
Sample: IA1633STD-.2 S/N:58.5 Points Across peak:30



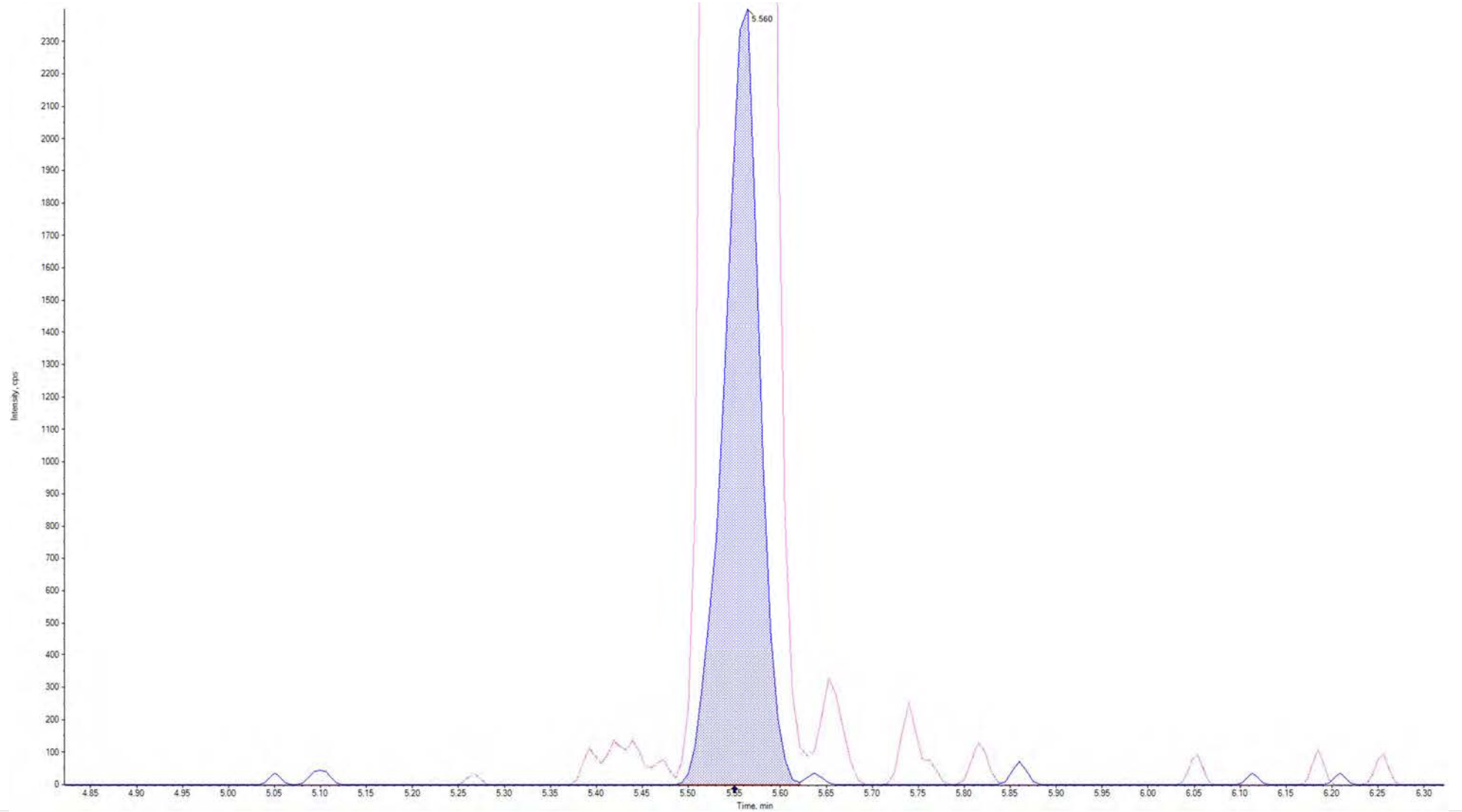
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2_1
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFTeDA
Sample: IA1633STD-.2 S/N:434.4 Points Across peak:23



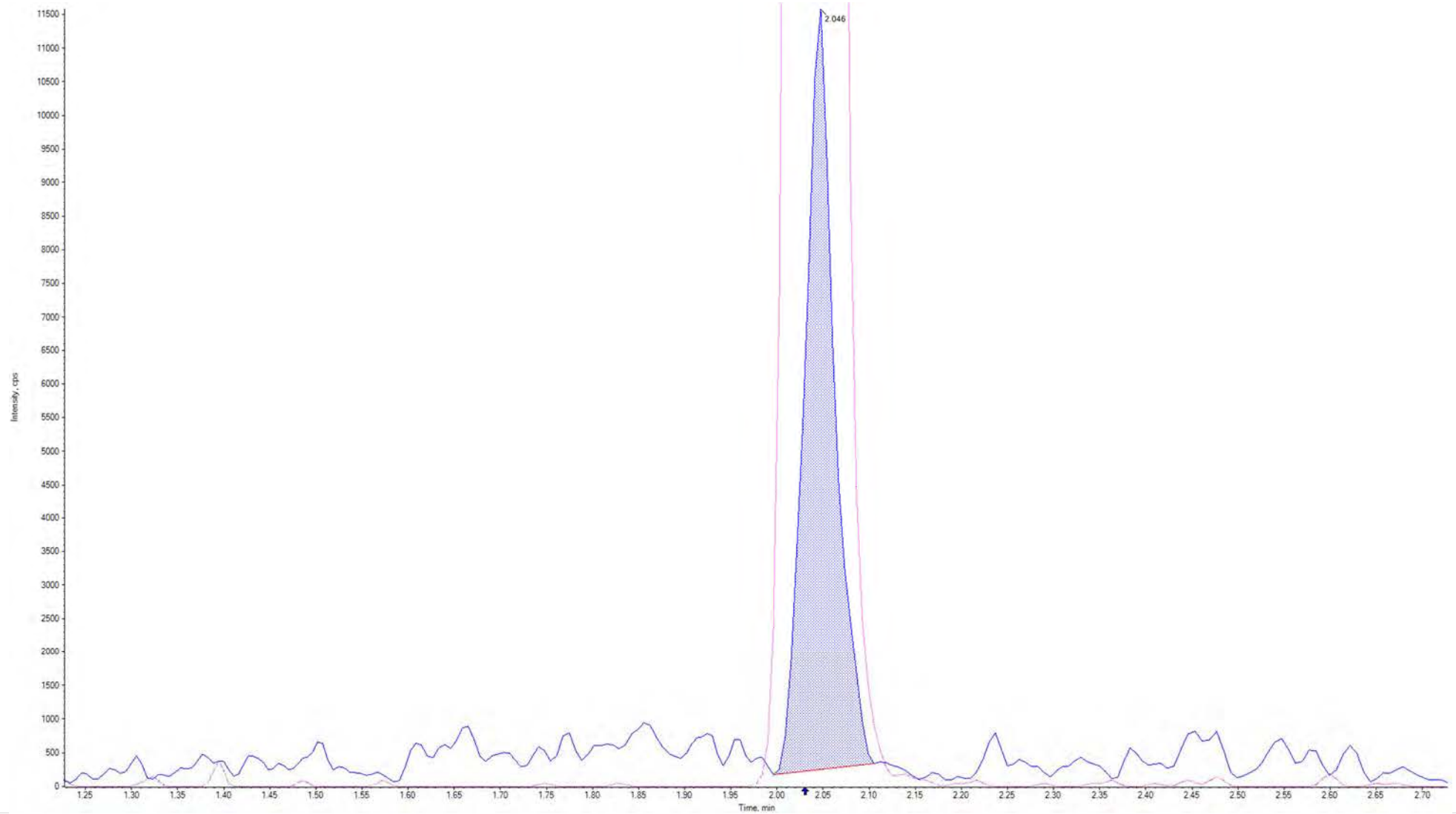
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2_1
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFTeDA_2
Sample: IA1633STD-.2 S/N:66.1 Points Across peak:23



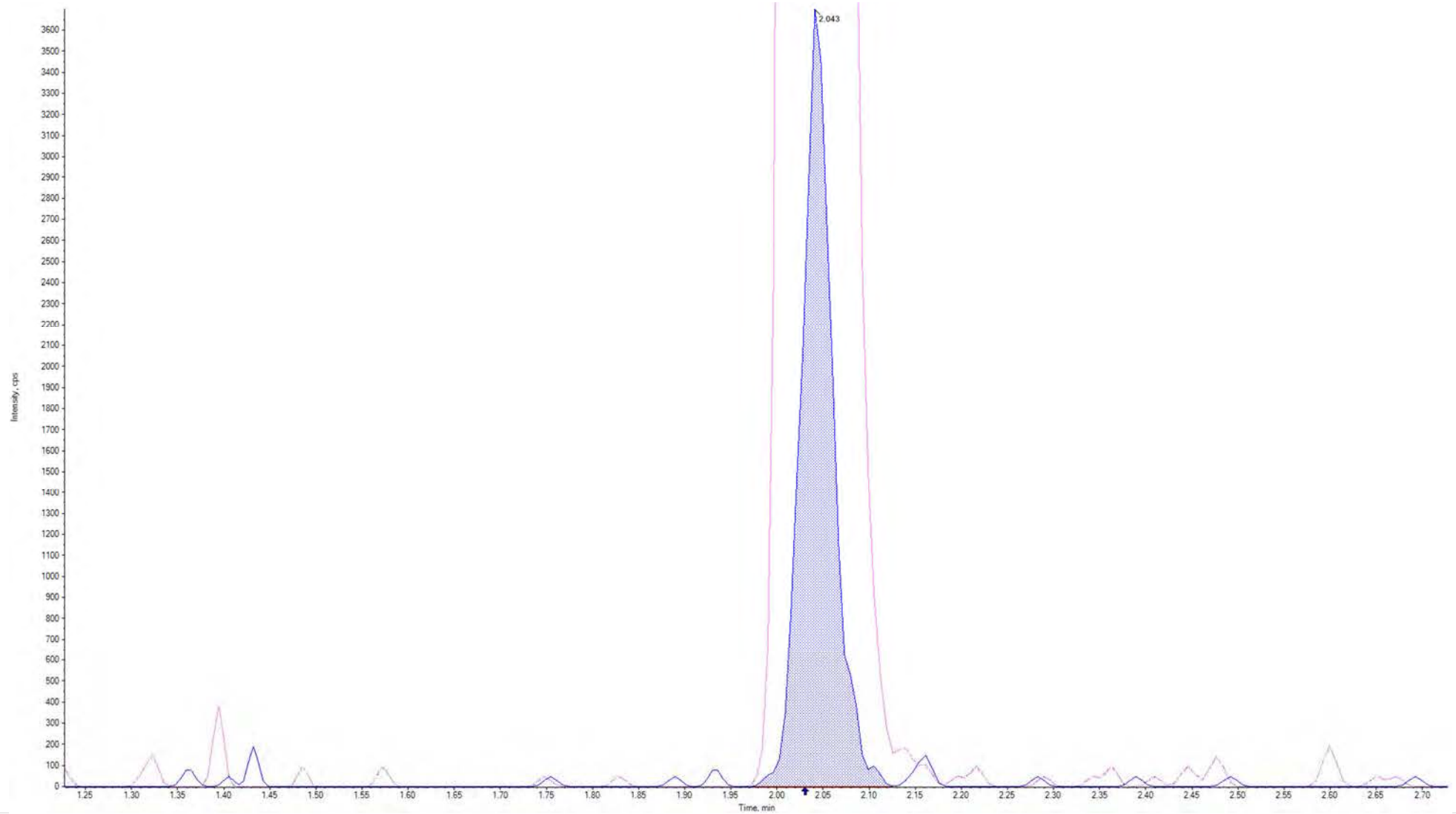
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2_1
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFBS
Sample: IA1633STD-.2 S/N:227.0 Points Across peak:18



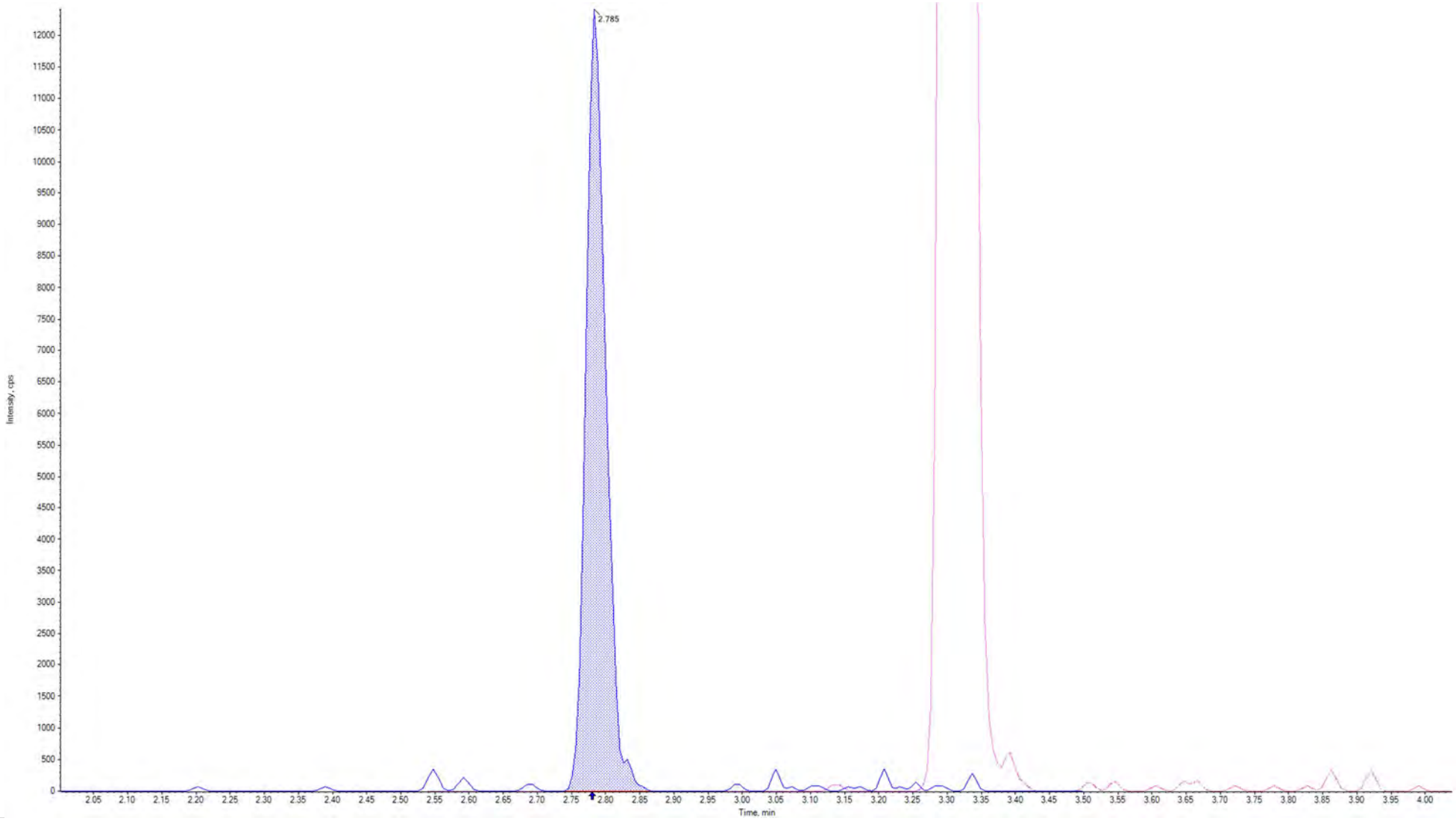
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2_1
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFBS_2
Sample: IA1633STD-.2 S/N:74.2 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\250228\SCI07_250228_25.wiff2_1
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFPeS
Sample: IA1633STD-.2 S/N:186.6 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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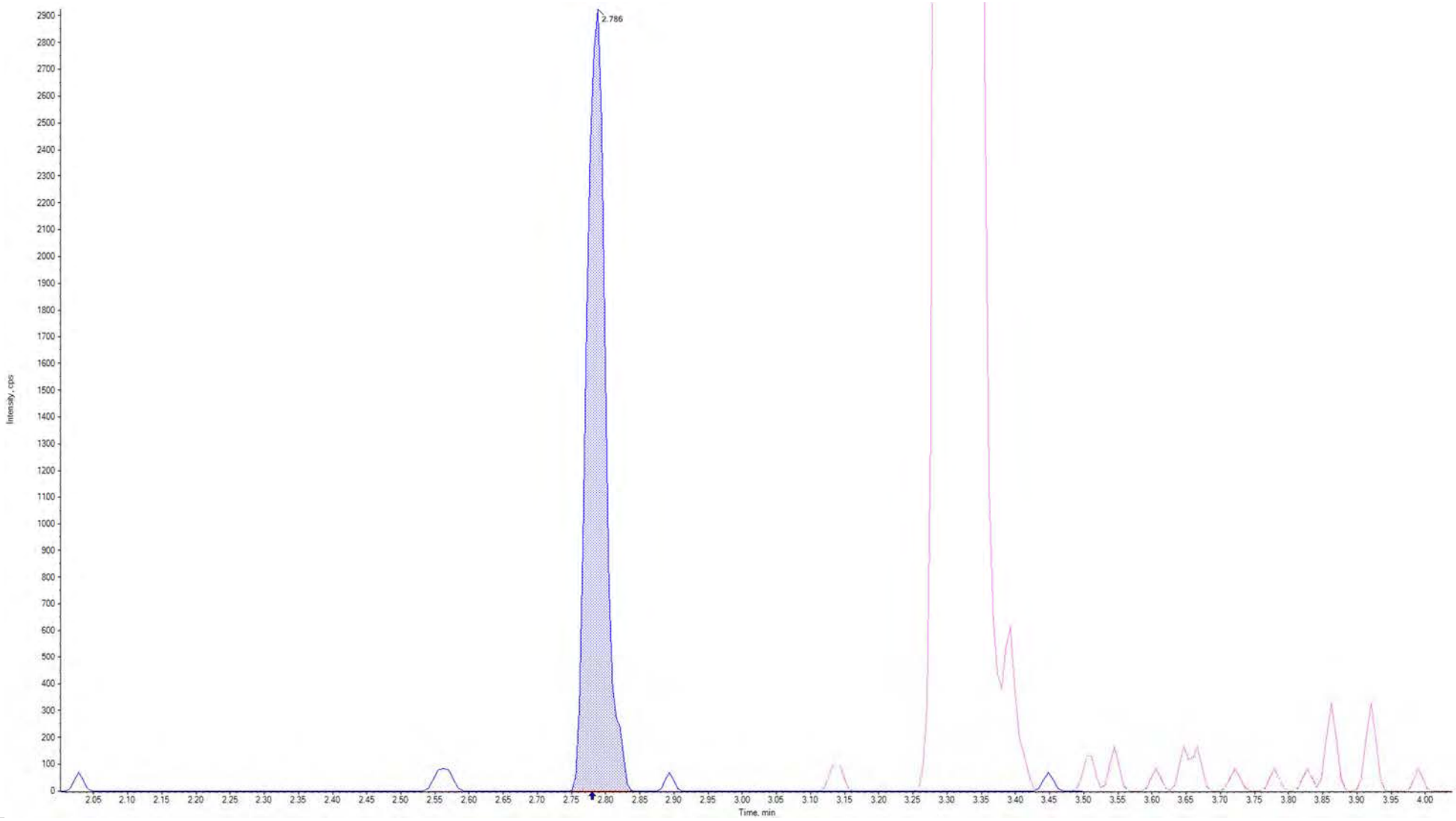
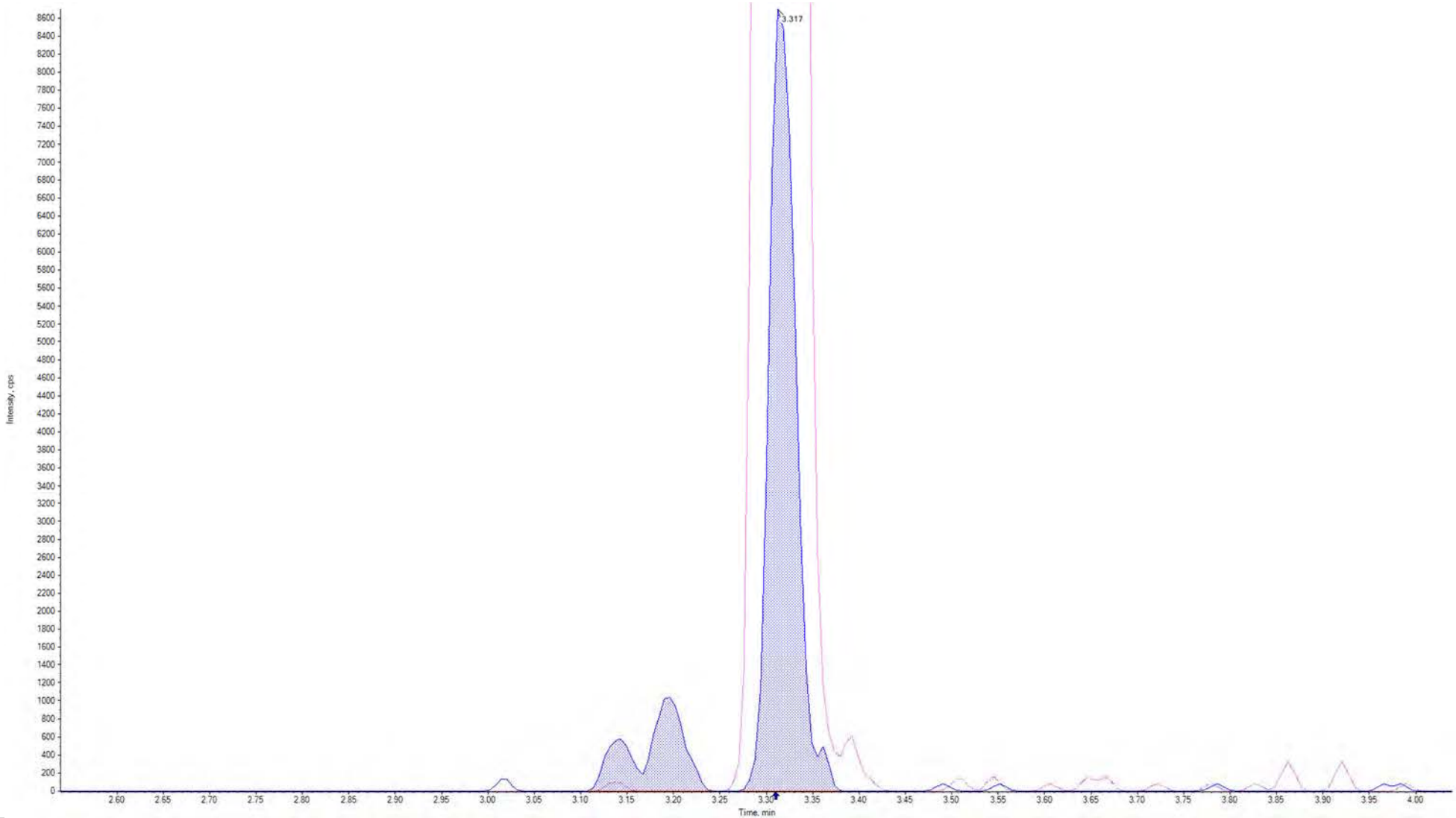
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFPeS_2
Sample: IA1633STD-.2 S/N:44.0 Points Across peak:26



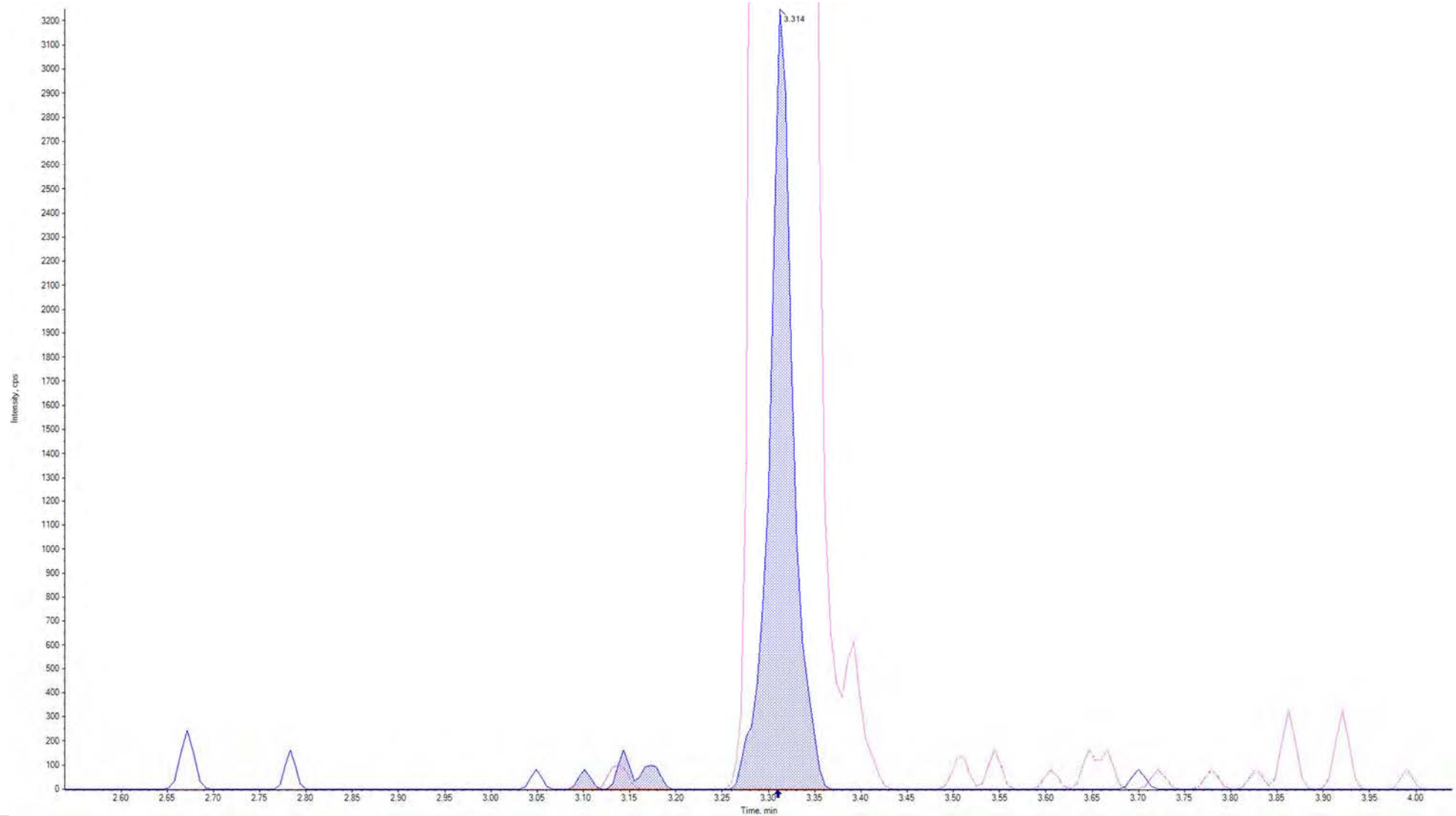
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2_1
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFHxS
Sample: IA1633STD-.2 S/N:109.0 Points Across peak:49



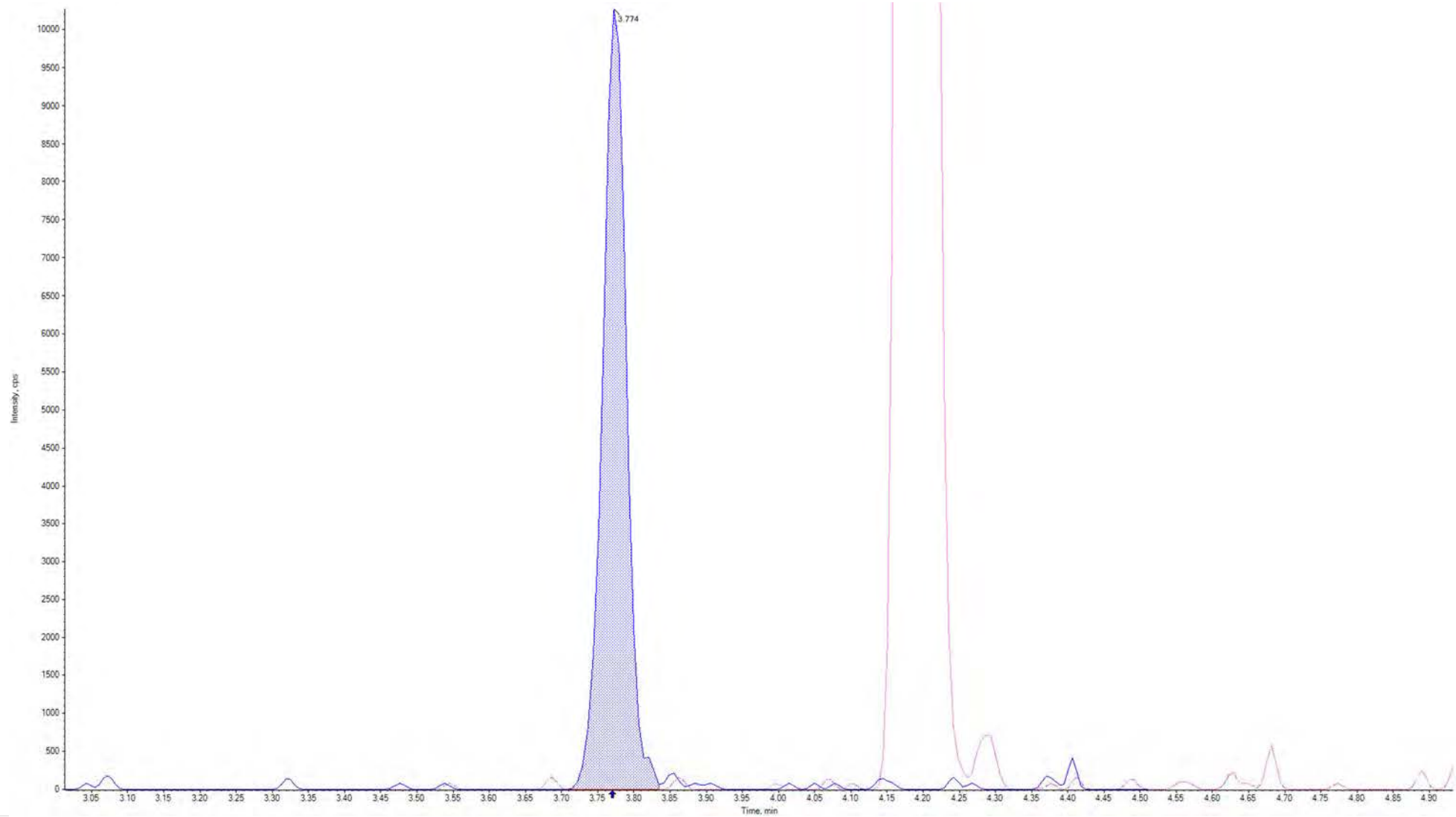
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2_1
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFHxS_2
Sample: IA1633STD-.2 S/N:40.7 Points Across peak:52



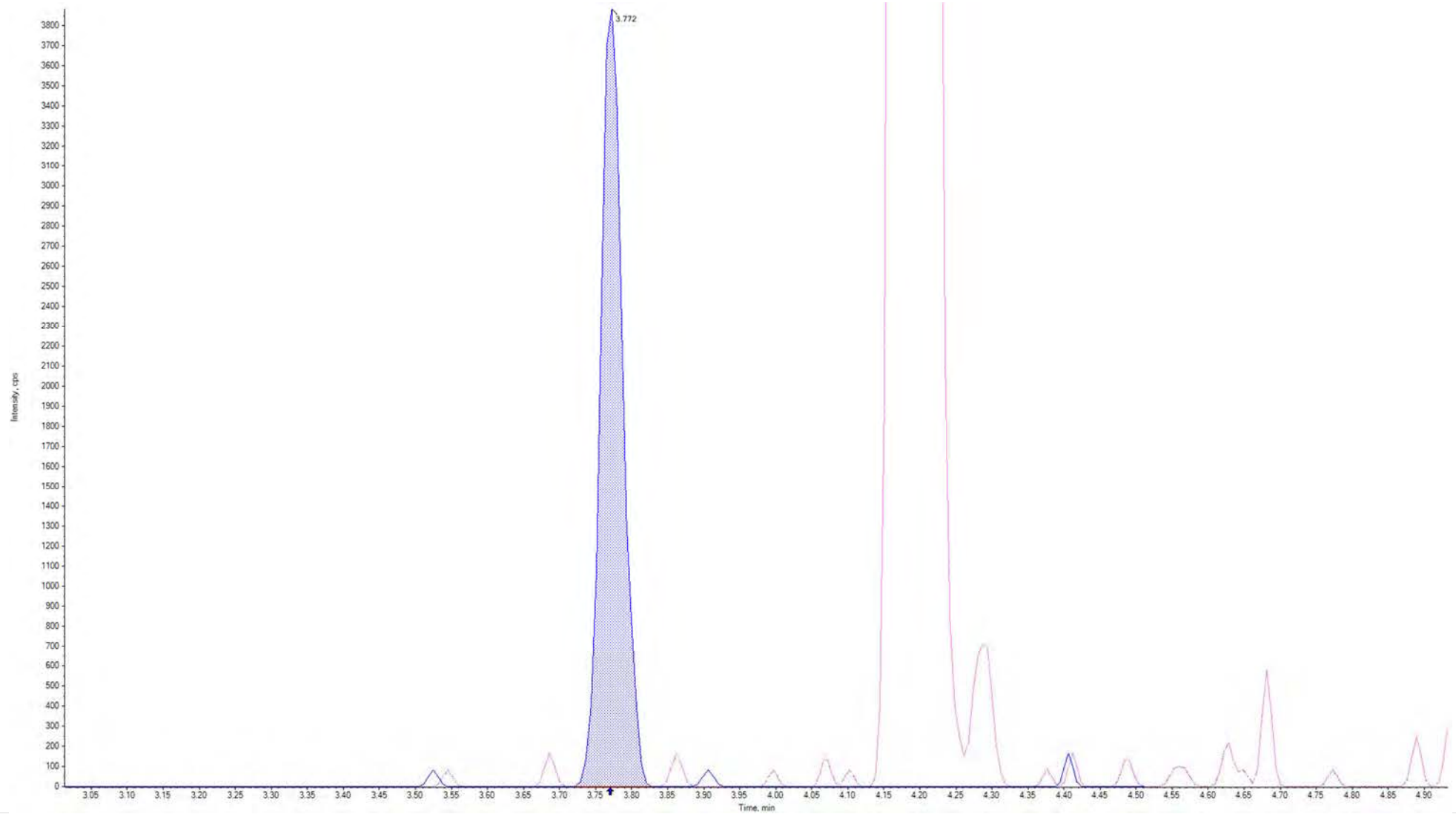
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2_1
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFHpS
Sample: IA1633STD-.2 S/N:128.7 Points Across peak:24



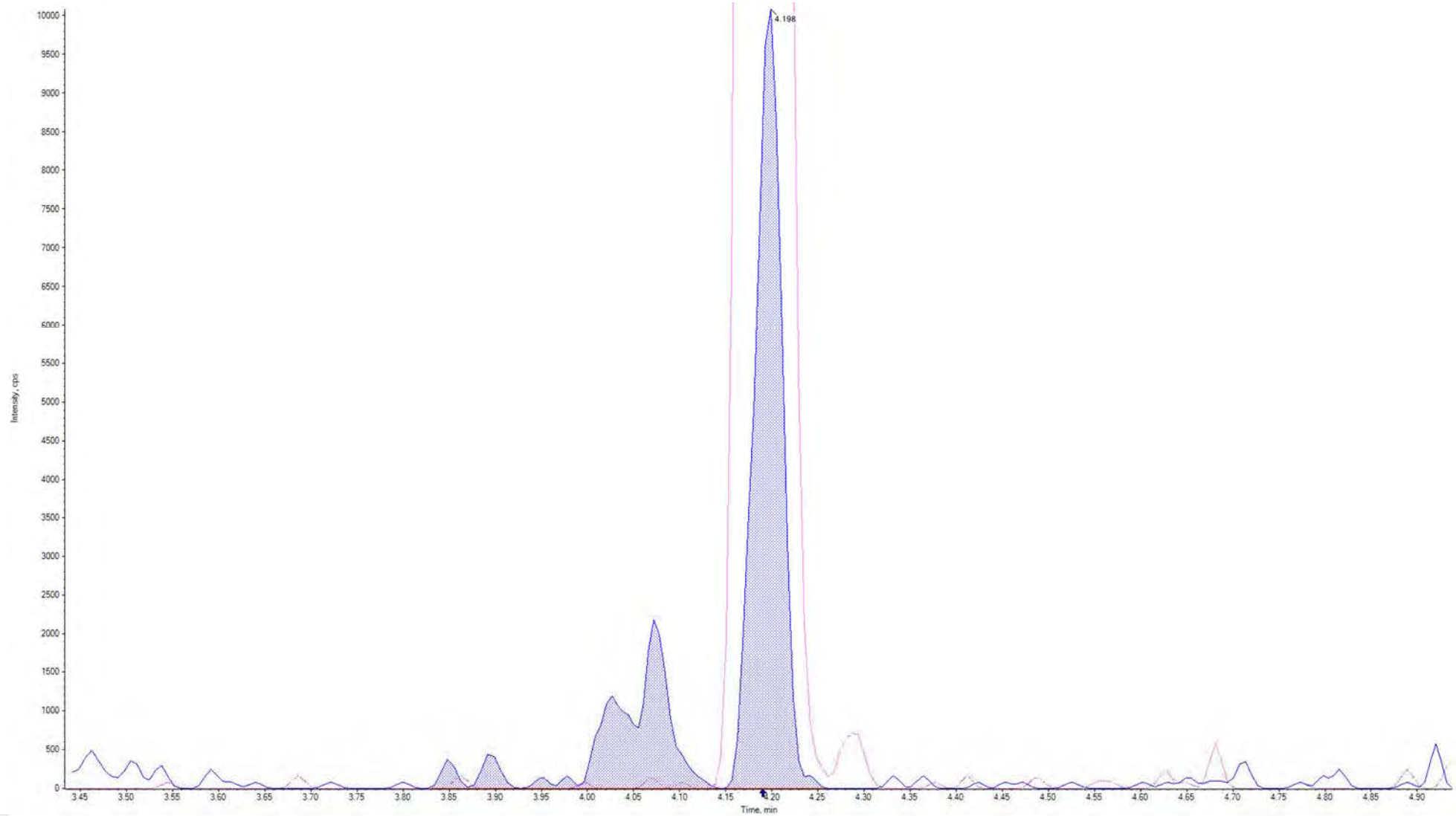
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2_1
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFHpS_2
Sample: IA1633STD-.2 S/N:48.6 Points Across peak:25



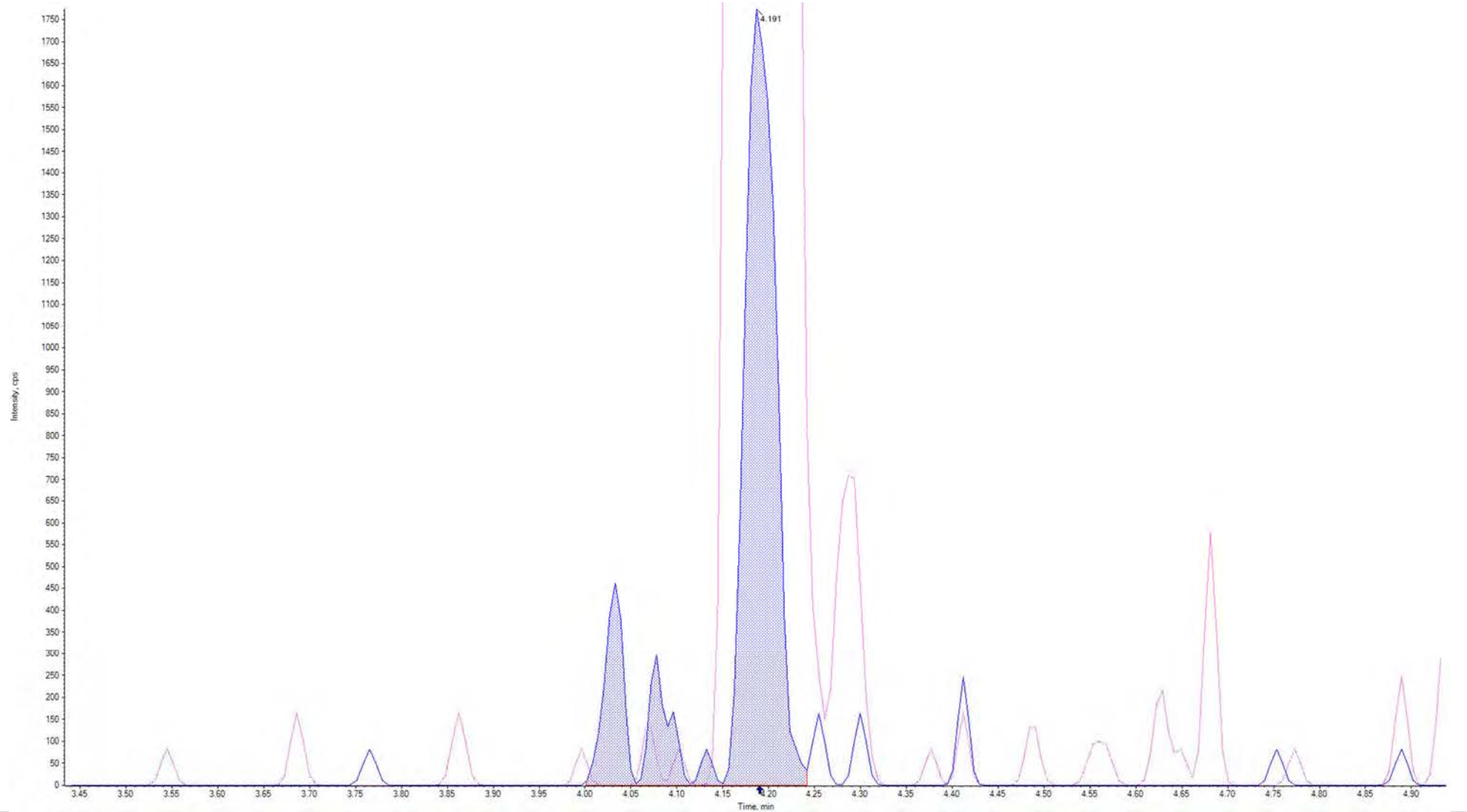
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2_1
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFOS
Sample: IA1633STD-.2 S/N:126.3 Points Across peak:71



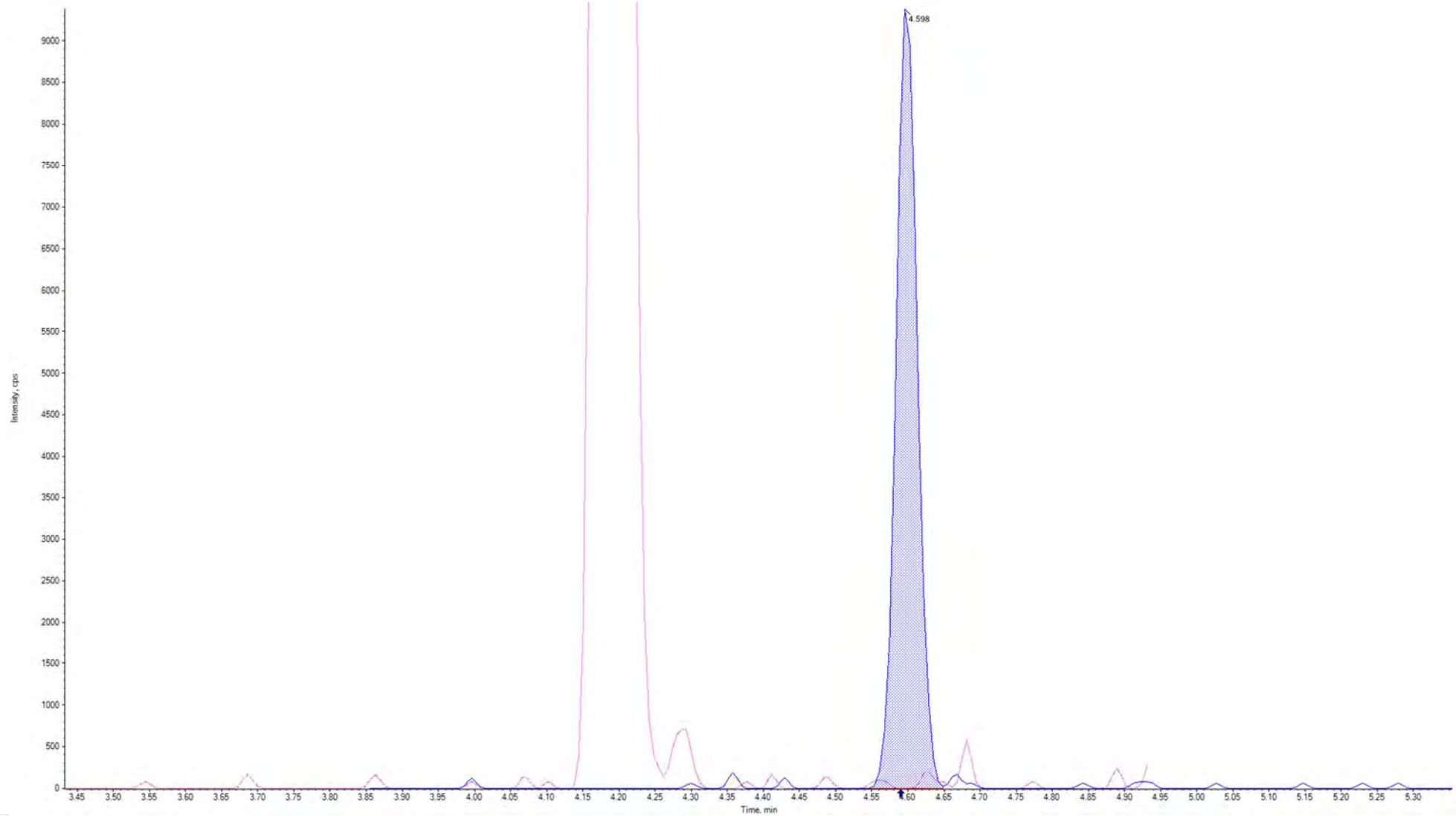
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2_1
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFOS_2
Sample: IA1633STD-.2 S/N:22.2 Points Across peak:43



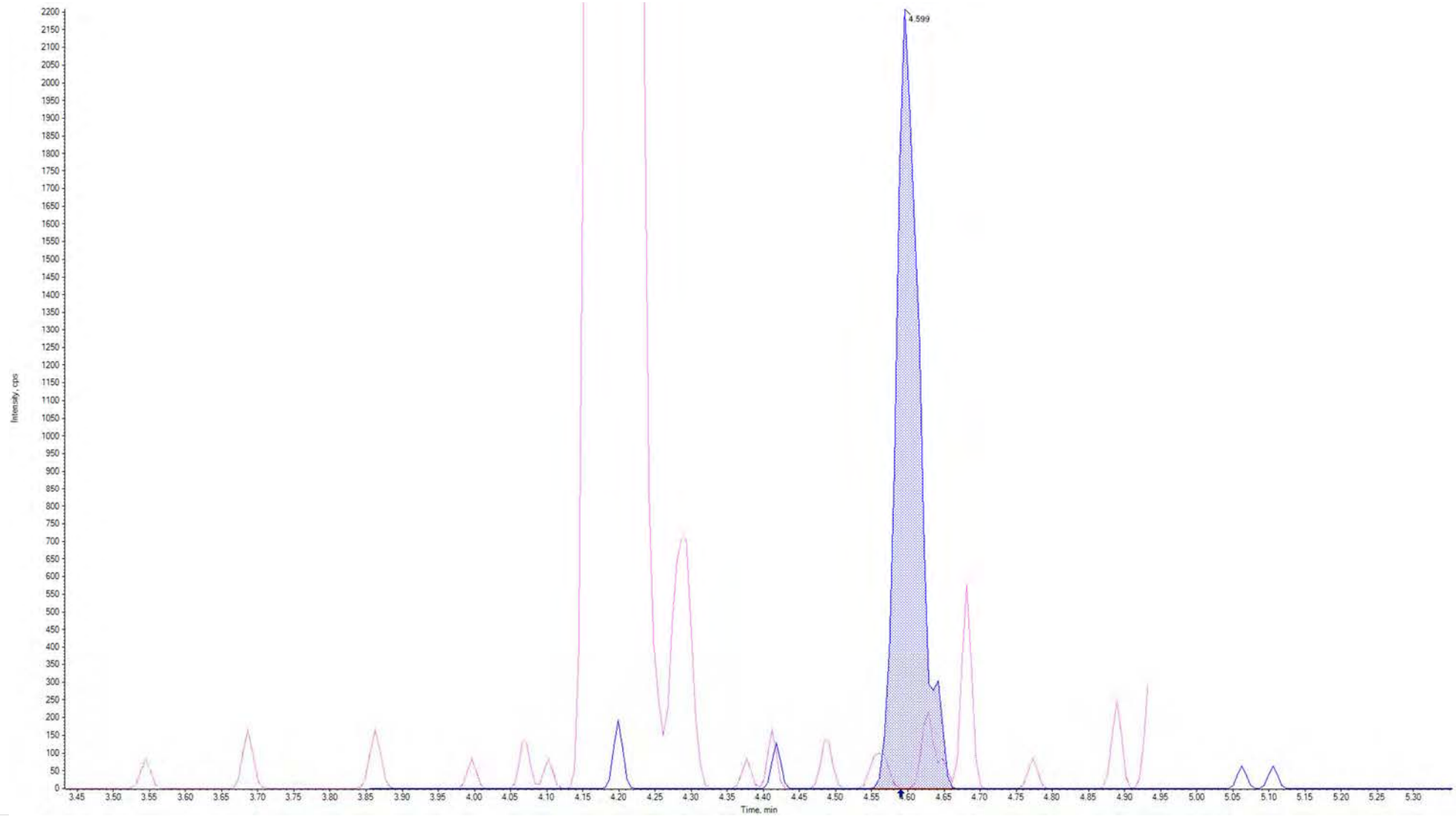
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2_1
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFNS
Sample: IA1633STD-.2 S/N:141.0 Points Across peak:21



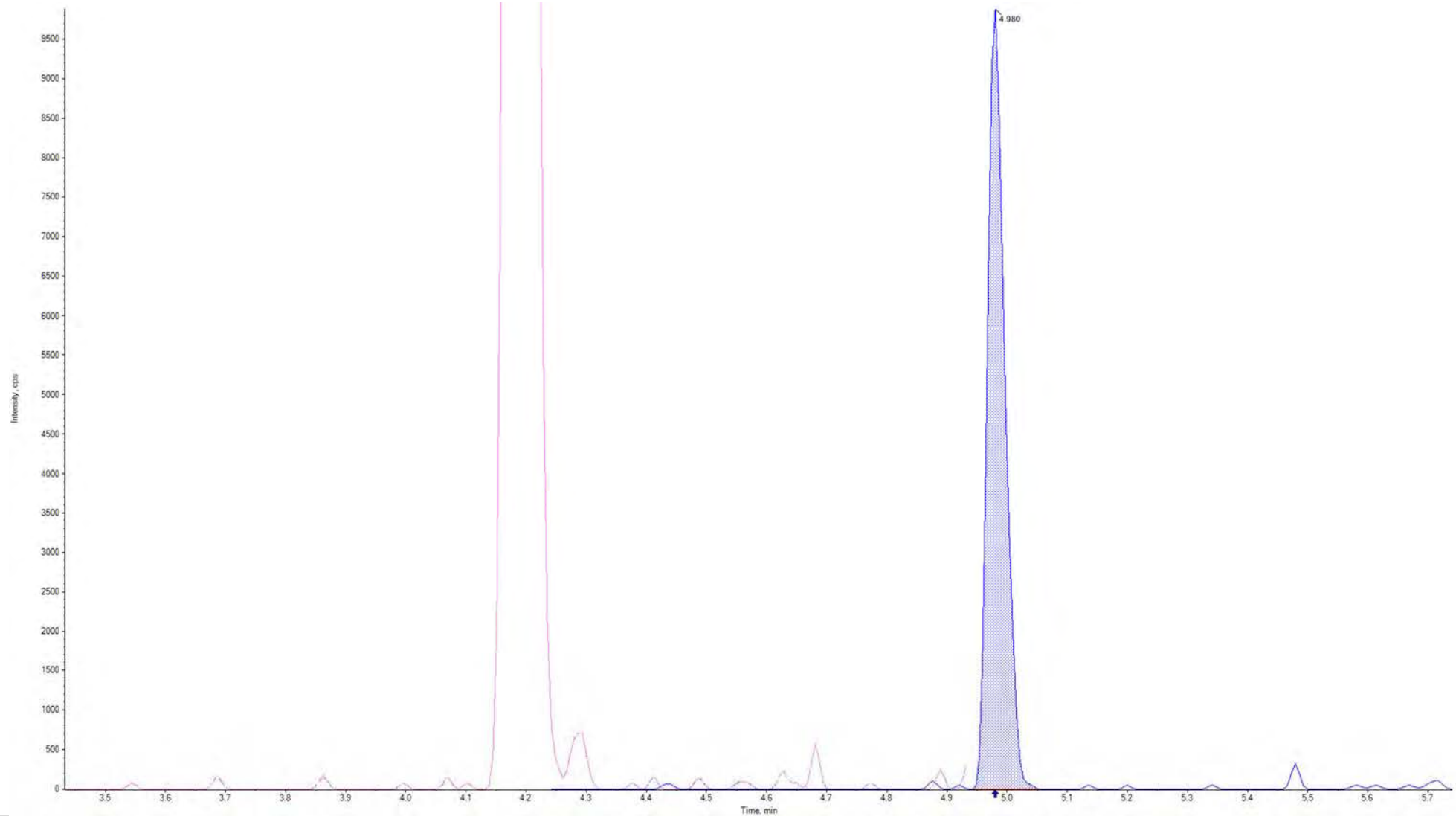
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2_1
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFNS_2
Sample: IA1633STD-.2 S/N:33.2 Points Across peak:27



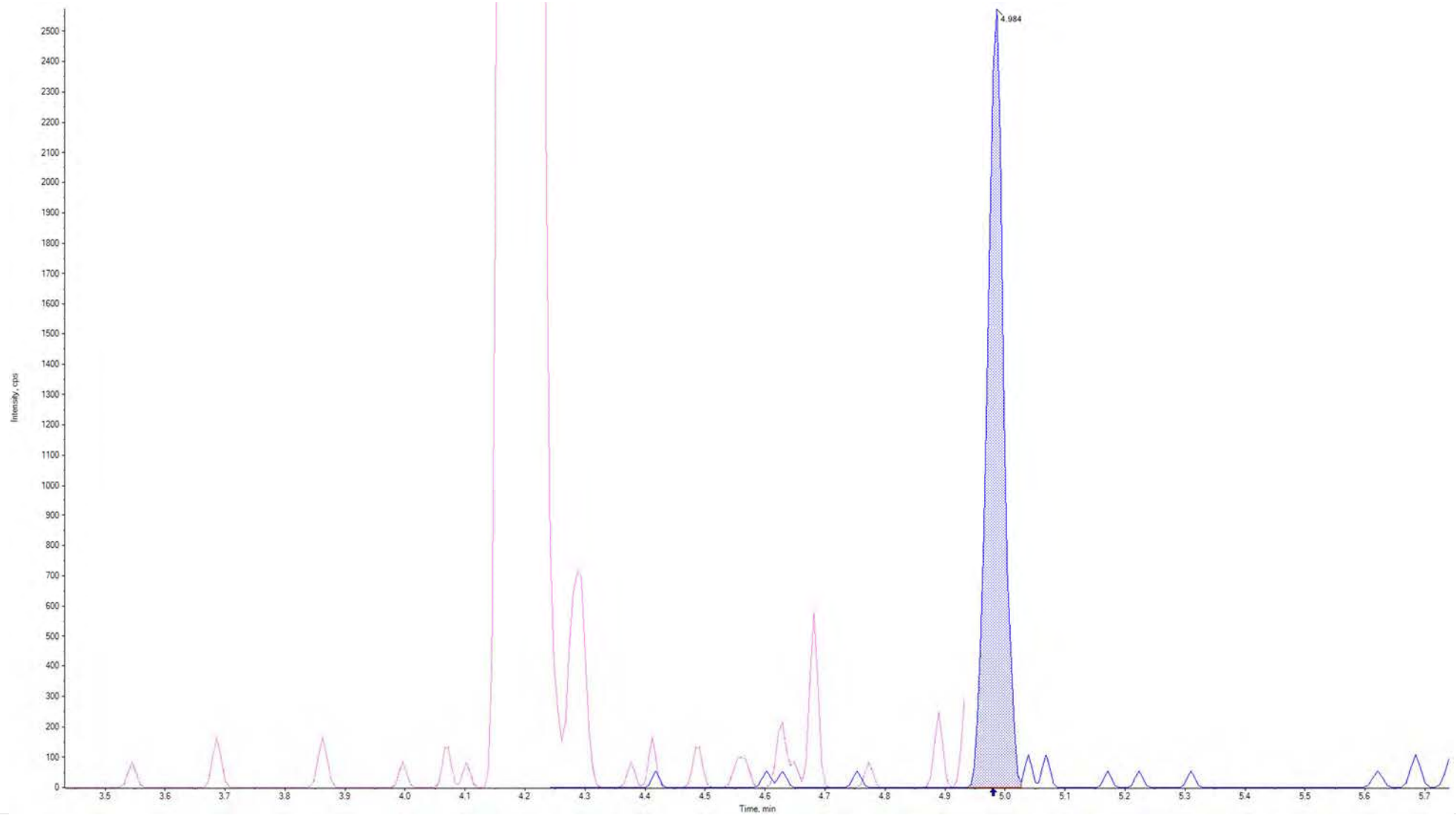
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2_1
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFDS
Sample: IA1633STD-.2 S/N:173.3 Points Across peak:27



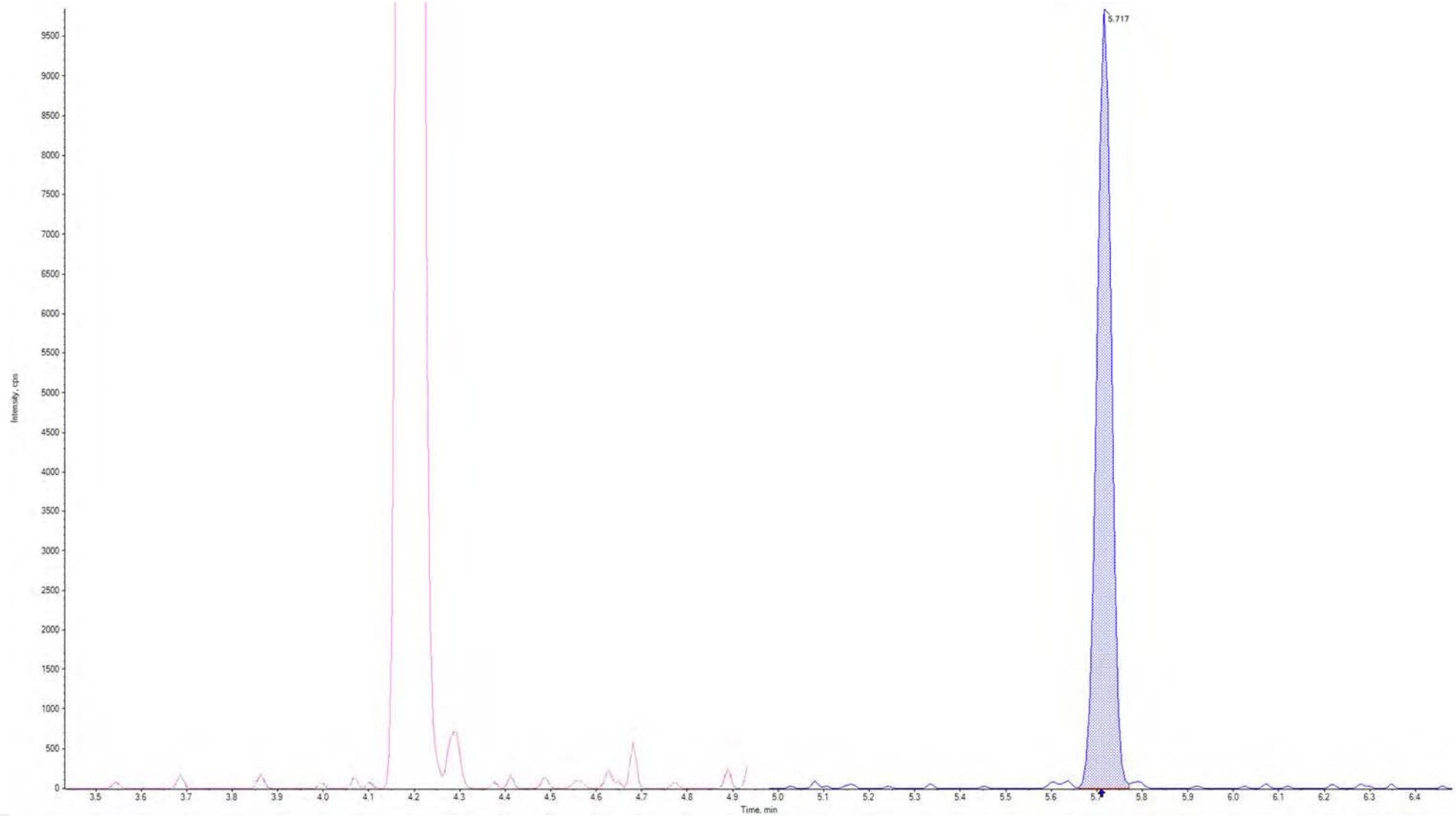
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2_1
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFDS_2
Sample: IA1633STD-.2 S/N:45.1 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\250228\SCI07_250228_25.wiff2_1
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFDoS
Sample: IA1633STD-.2 S/N:320.6 Points Across peak:15



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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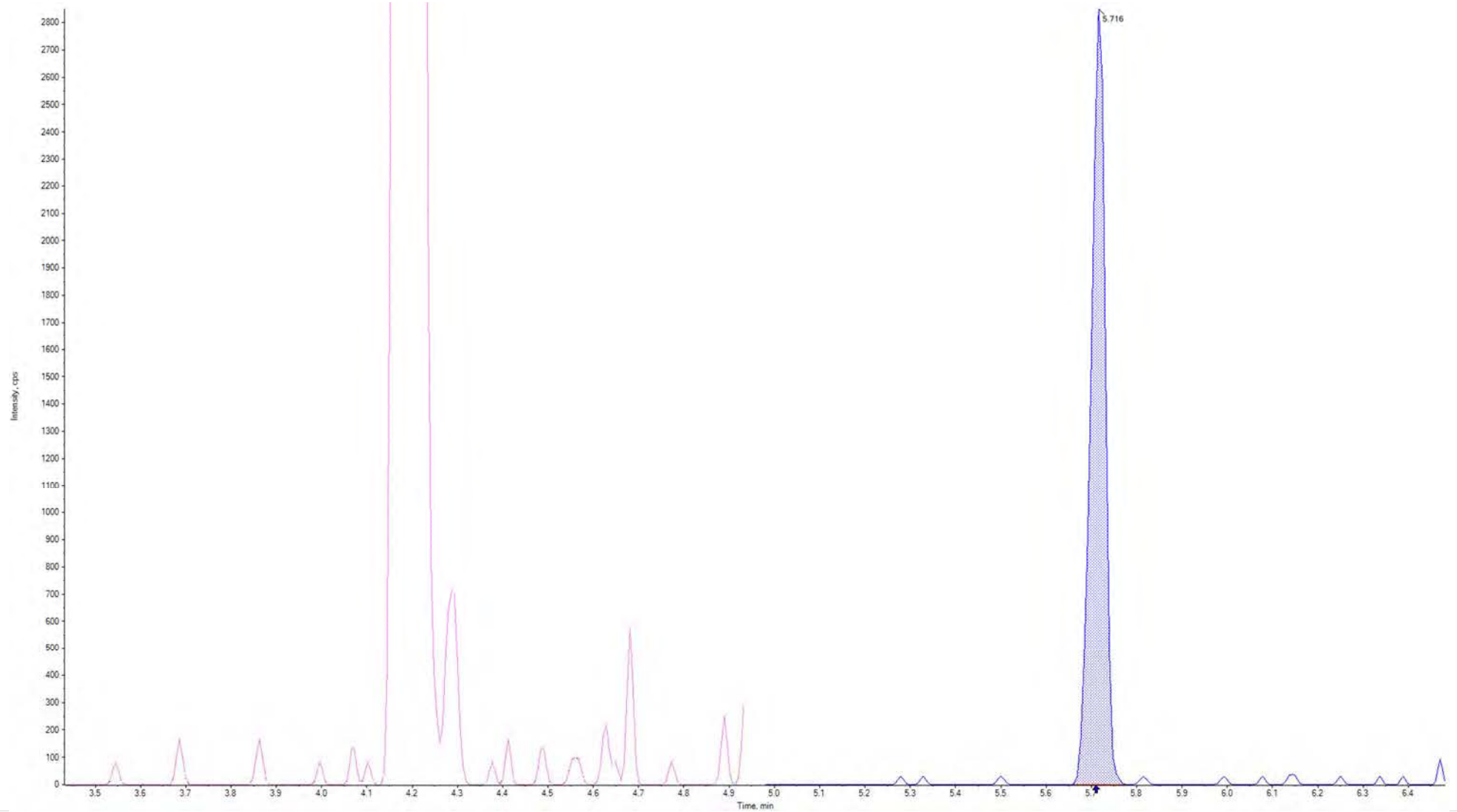
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFDoS_2
Sample: IA1633STD-.2 S/N:92.8 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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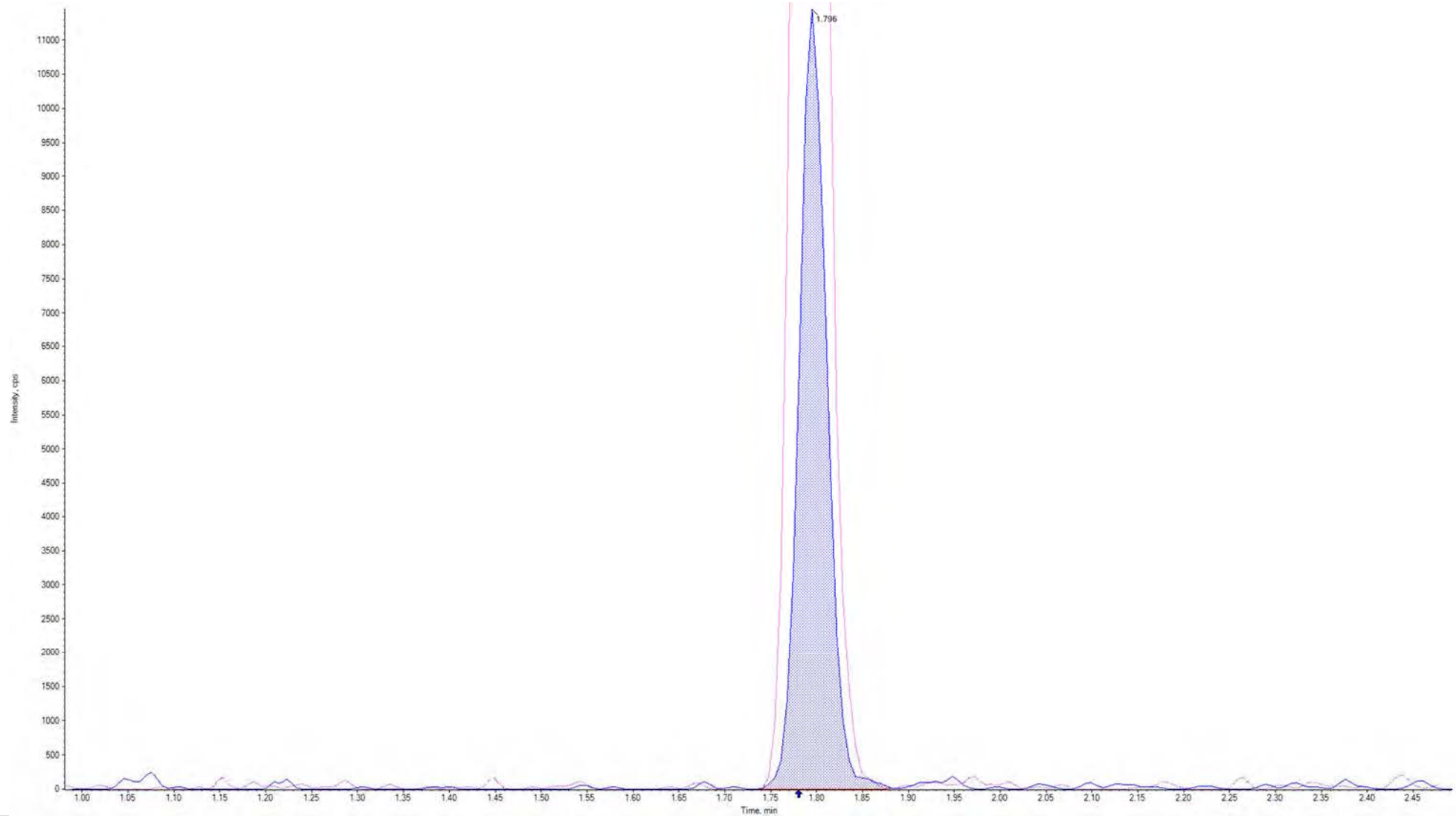
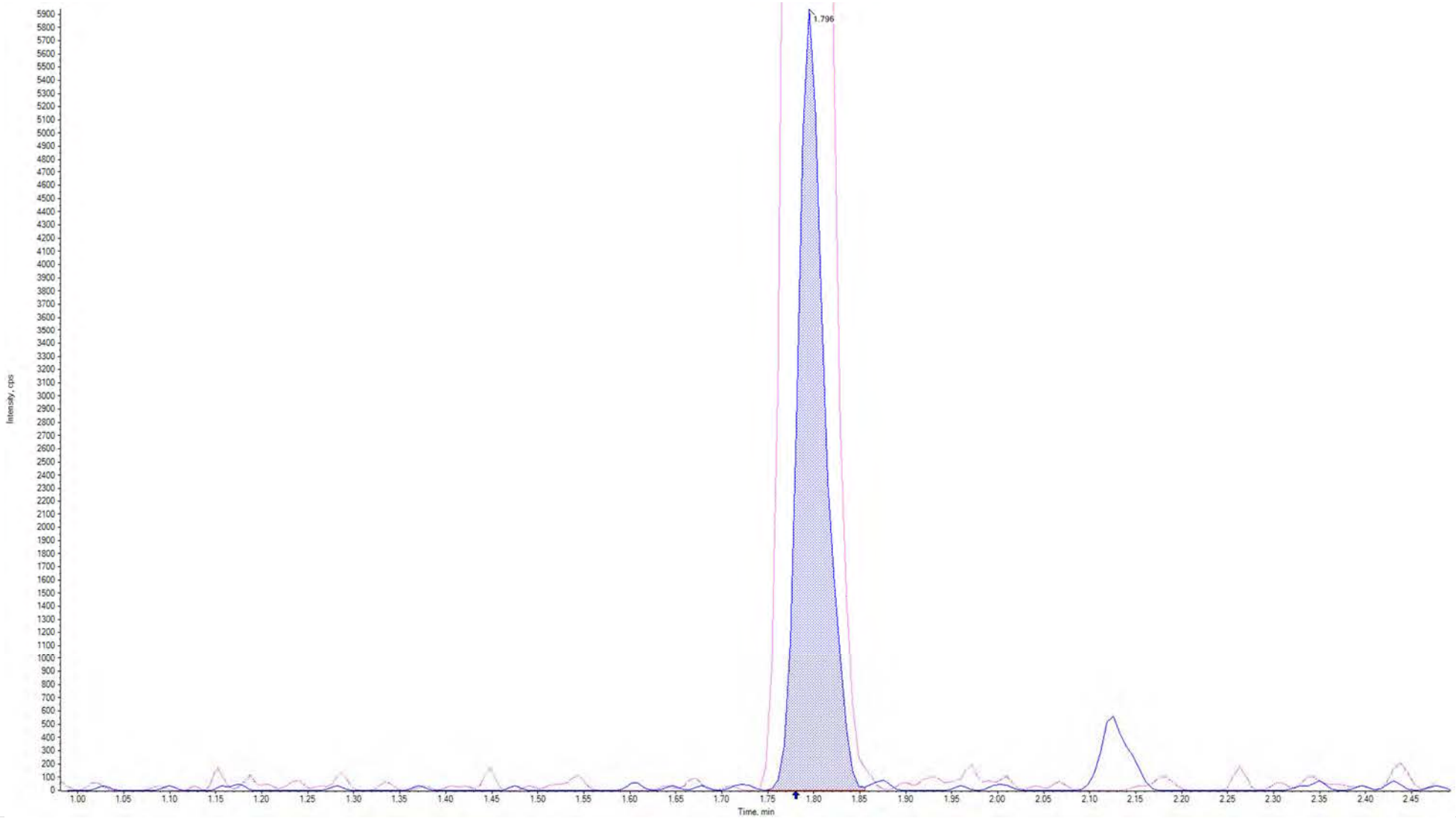
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

4:2FTS
Sample: IA1633STD-.2 S/N:315.7 Points Across peak:25



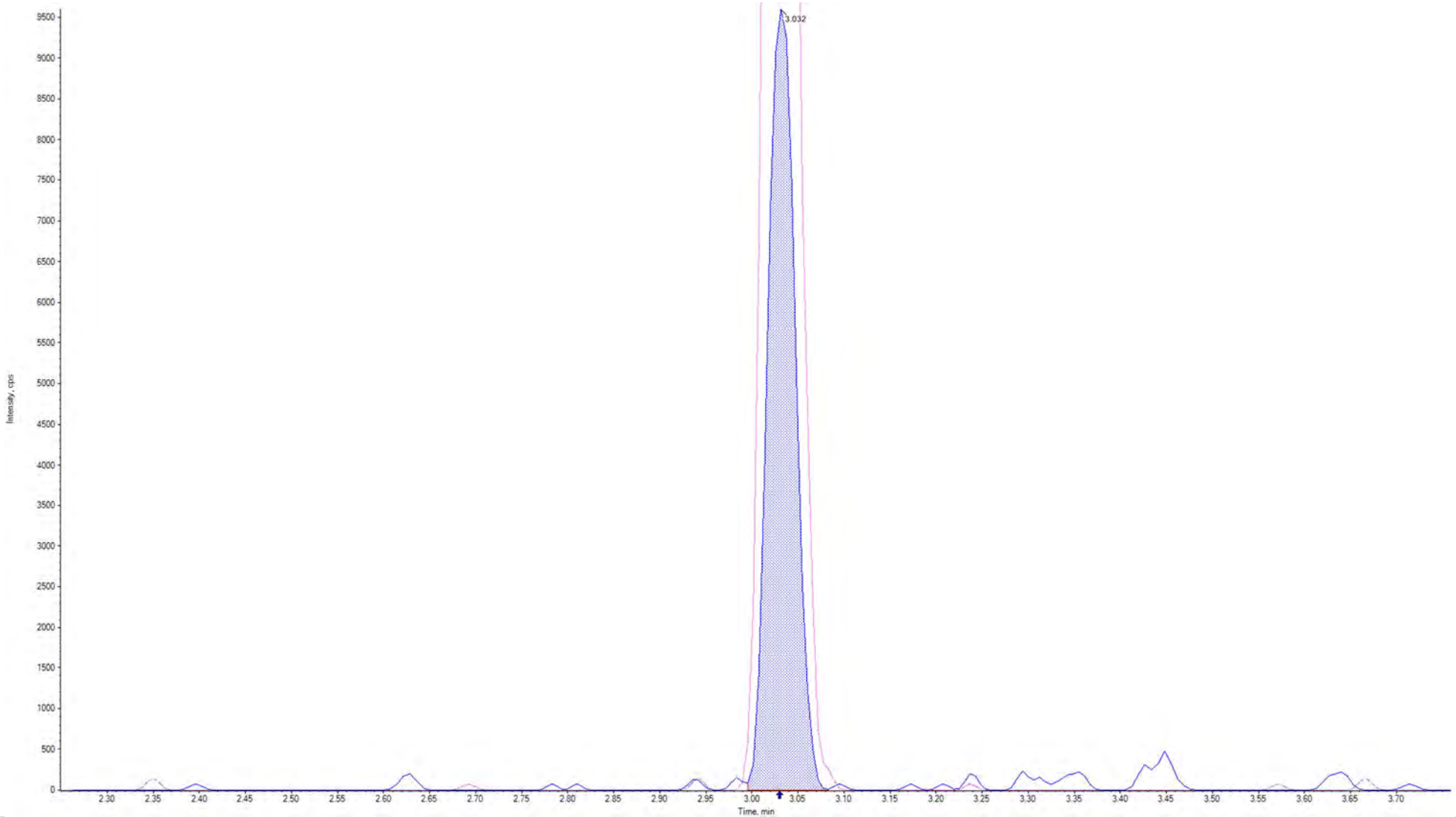
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2_1
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

4:2FTS_2
Sample: IA1633STD-.2 S/N:163.7 Points Across peak:17



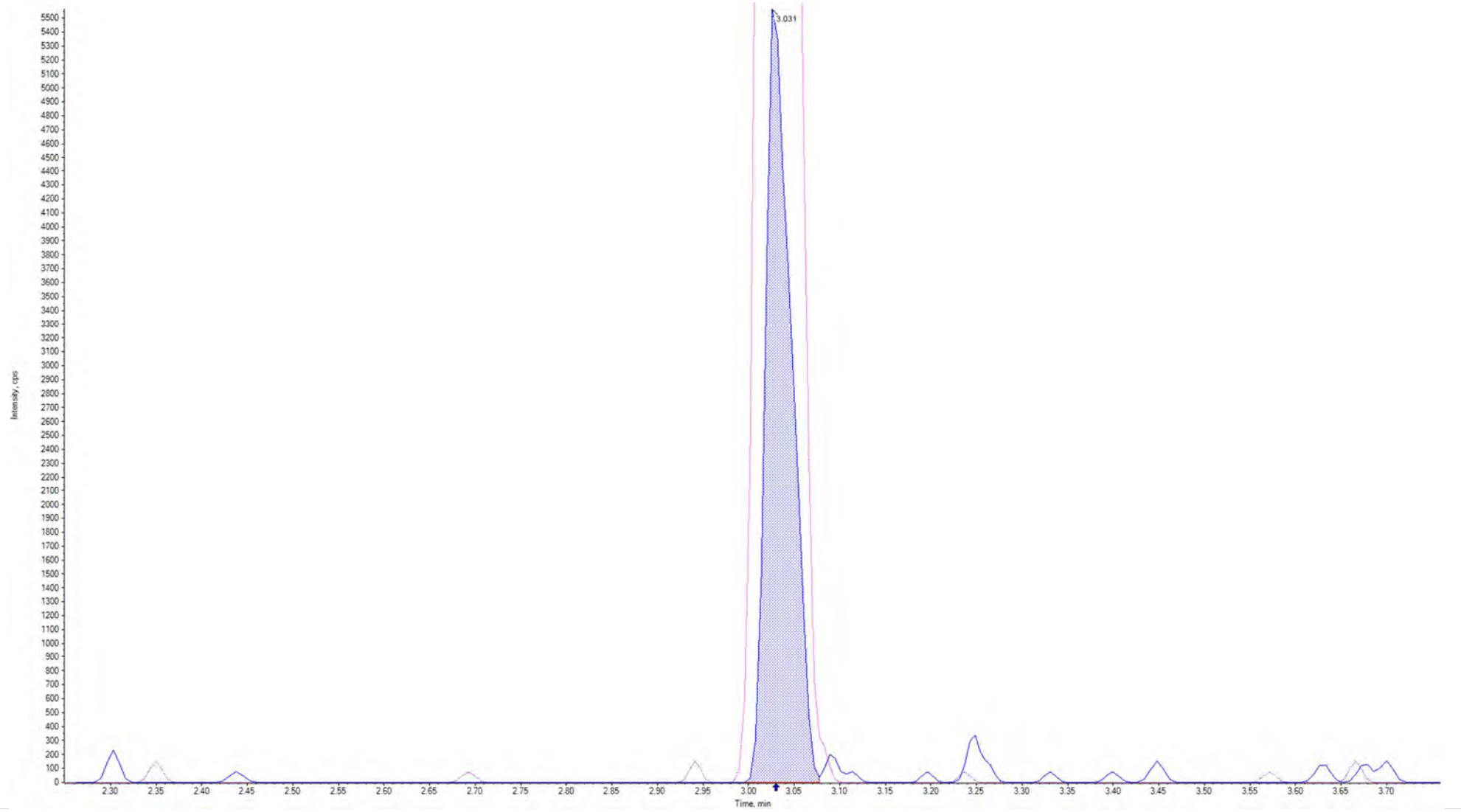
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2_1
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

6:2FTS
Sample: IA1633STD-.2 S/N:120.3 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\250228\SCI07_250228_25.wiff2_1
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

6:2FTS_2
Sample: IA1633STD-.2 S/N:69.7 Points Across peak:20



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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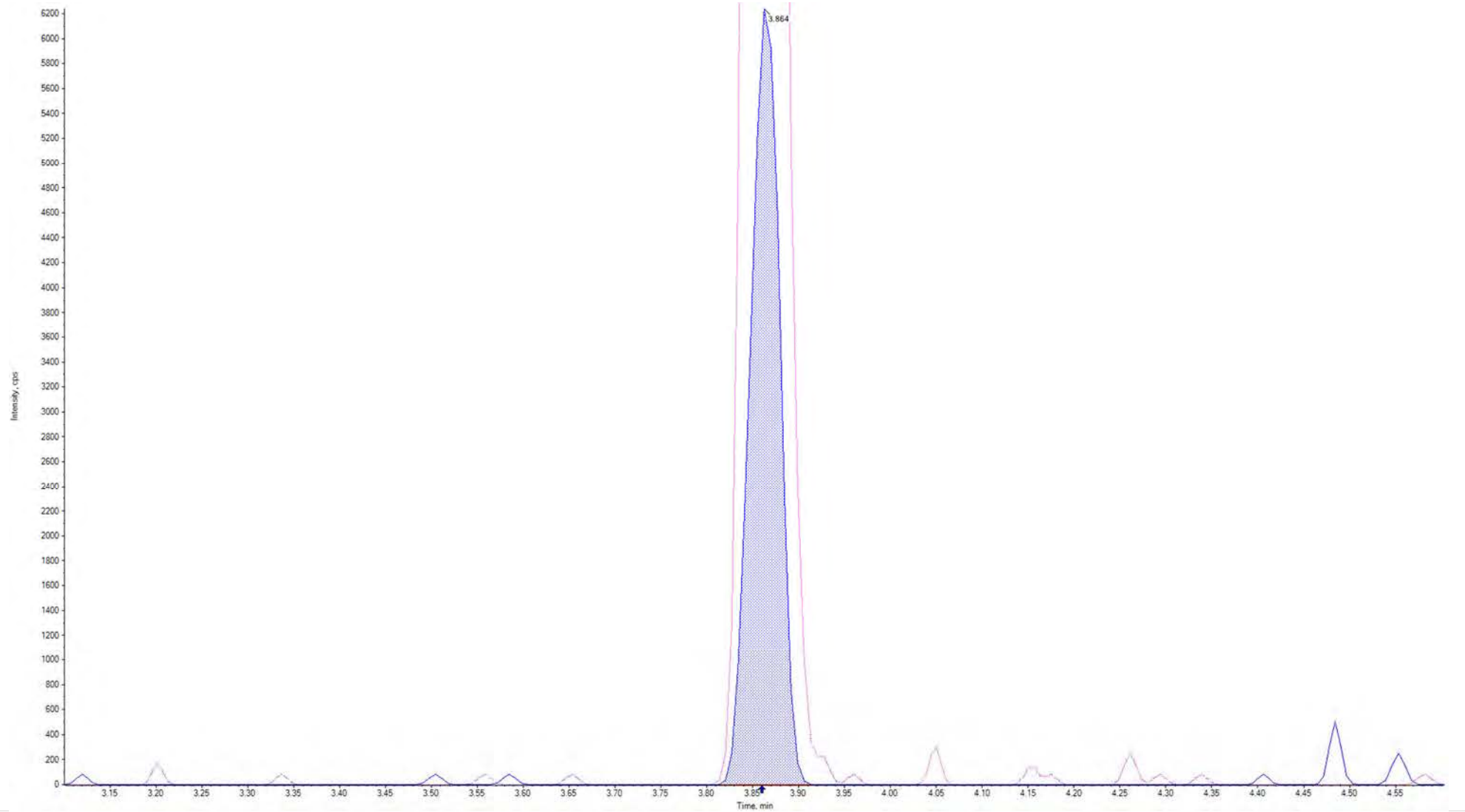
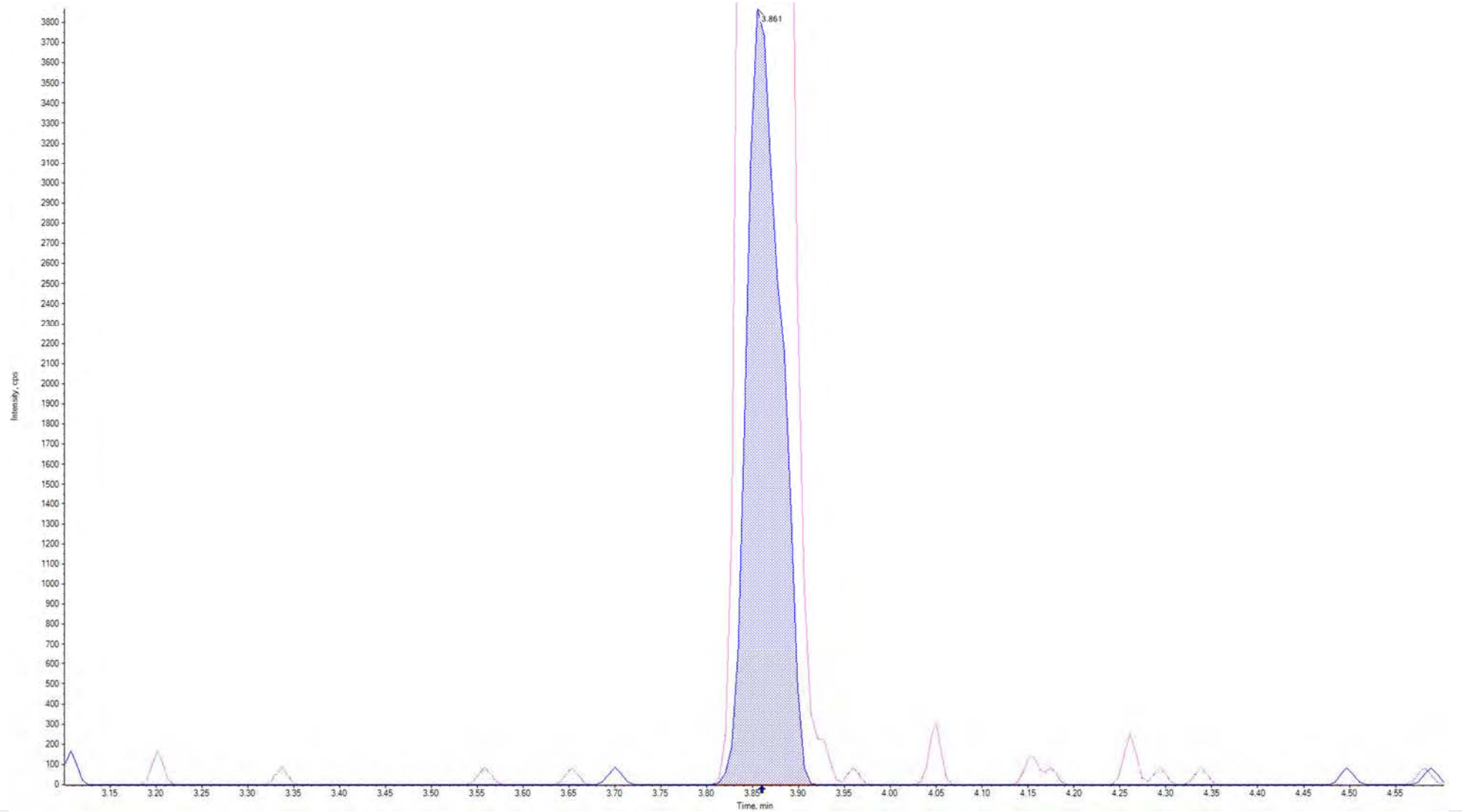
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

8:2FTS
Sample: IA1633STD-.2 S/N:78.1 Points Across peak:25



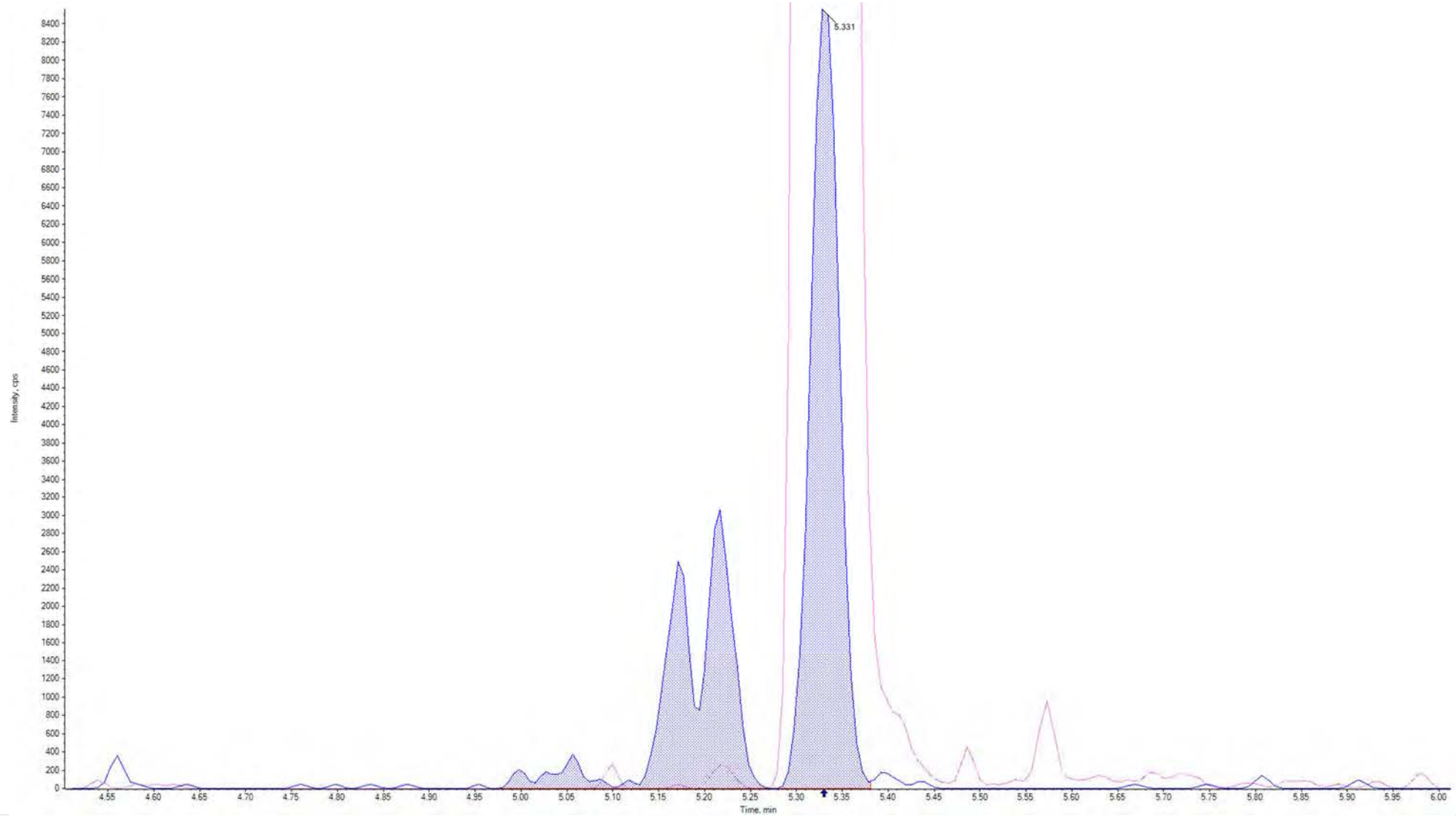
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2_1
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

8:2FTS_2
Sample: IA1633STD-.2 S/N:48.5 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\250228\SCI07_250228_25.wiff2_1
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFOSA
Sample: IA1633STD-.2 S/N:193.1 Points Across peak:69



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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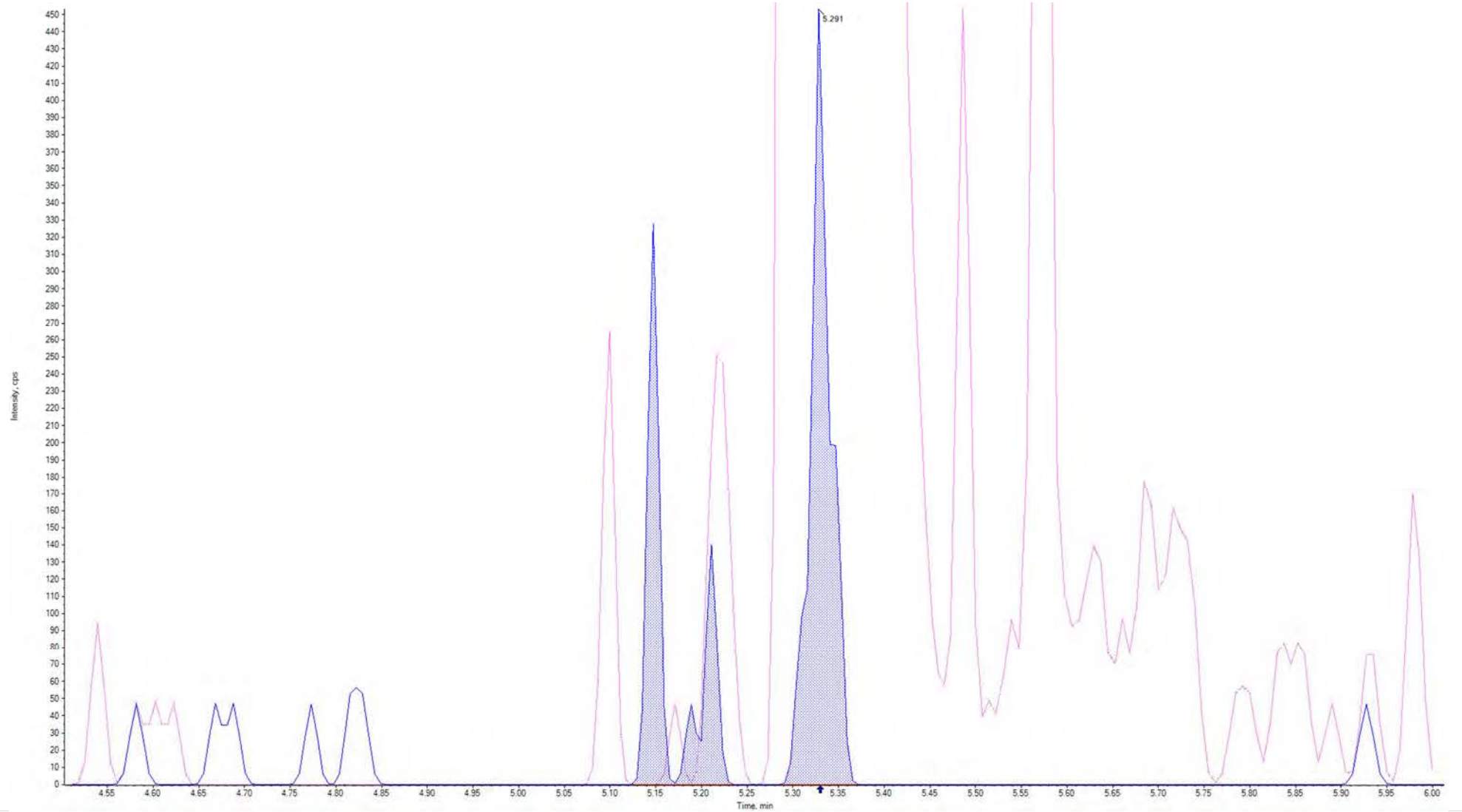
Generated: 2/28/2025 12:43:00 PM

PFOSA_2
Sample: IA1633STD-.2 S/N:10.2 Points Across peak:42



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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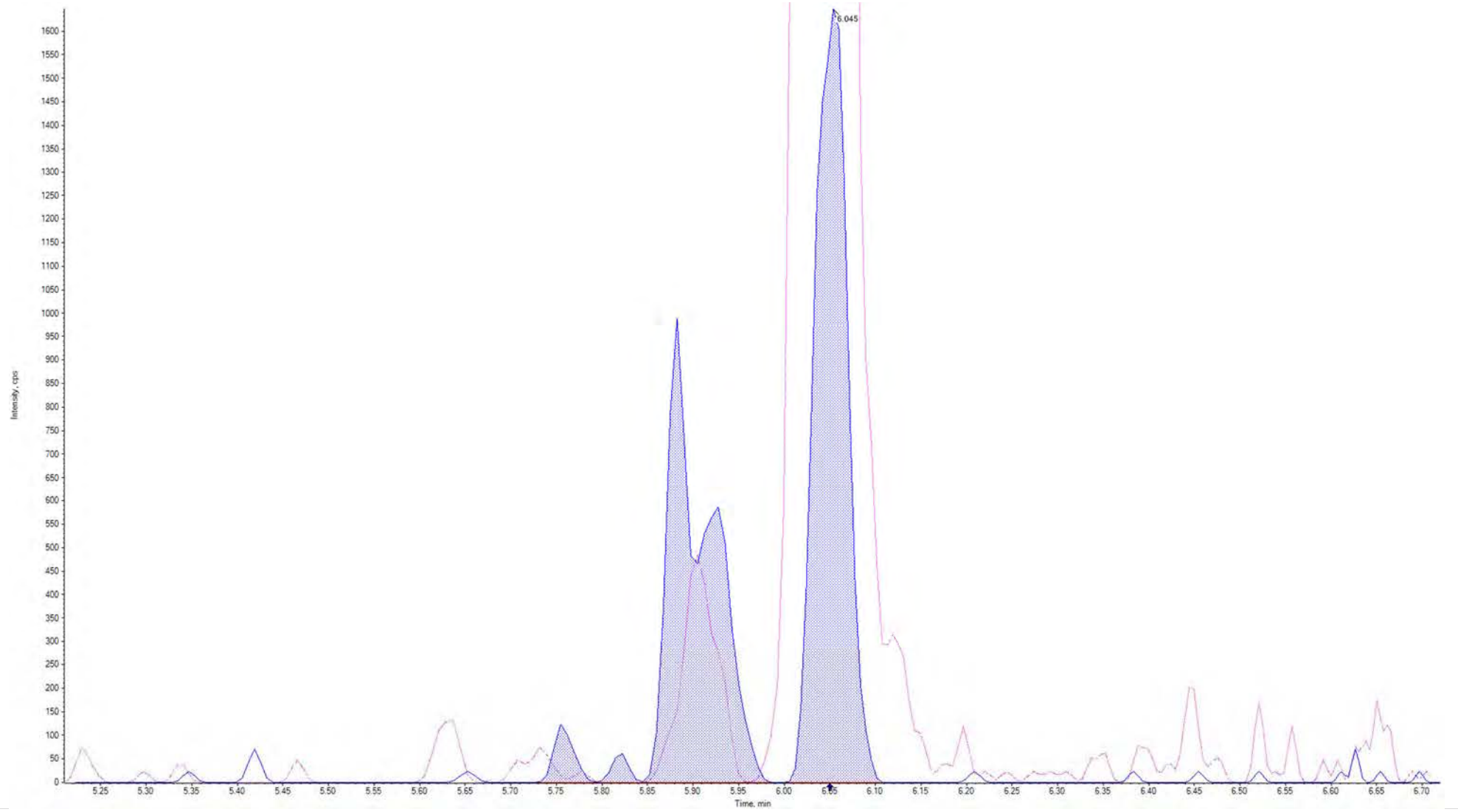
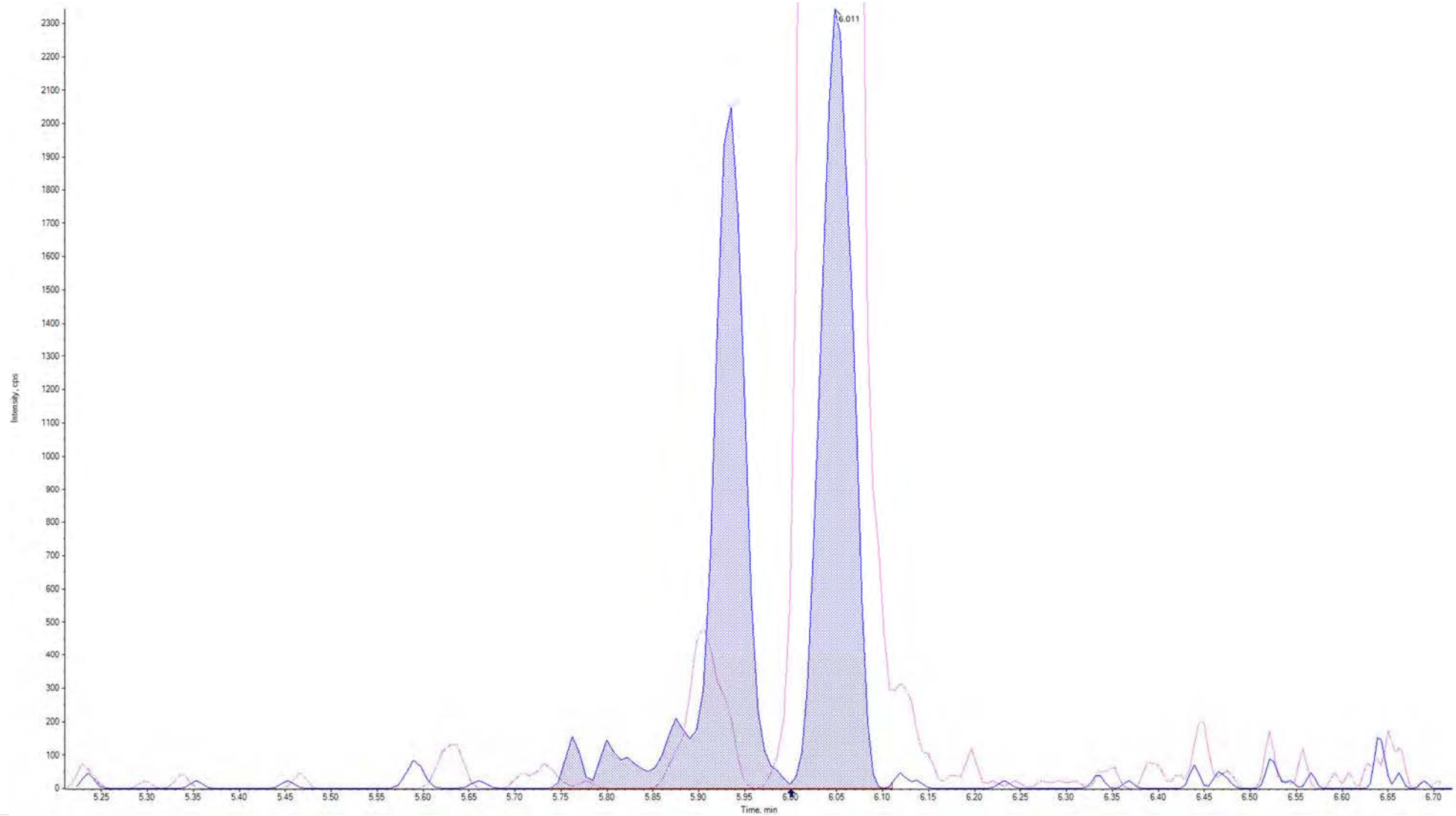
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

NMeFOSA
Sample: IA1633STD-.2 S/N:70.2 Points Across peak:57



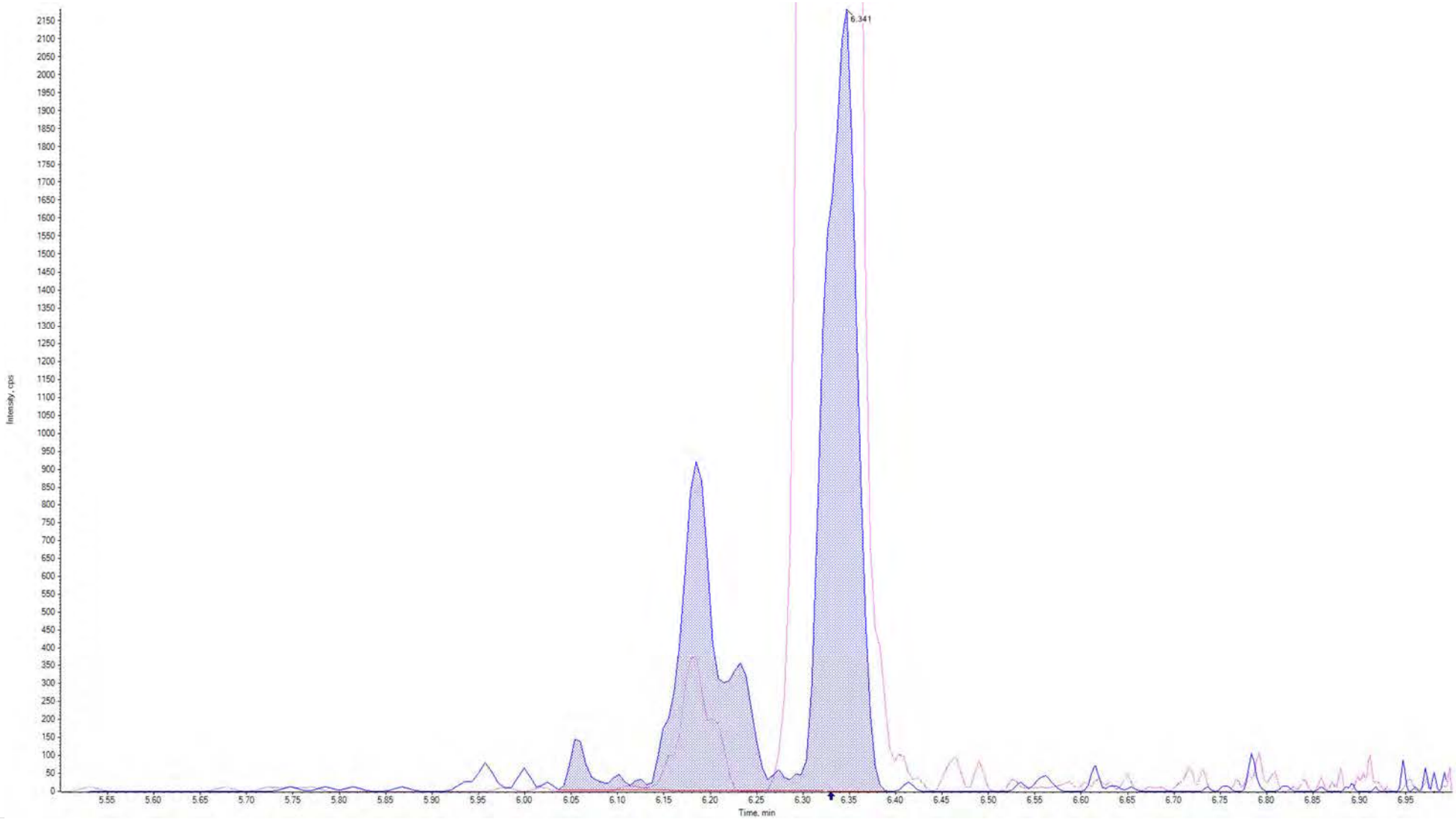
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_25.wiff2_1
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

NMeFOSA_2
Sample: IA1633STD-.2 S/N:99.8 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\250228\SCI07_250228_25.wiff2_1
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

NEtFOSA
Sample: IA1633STD-.2 S/N:169.5 Points Across peak:63



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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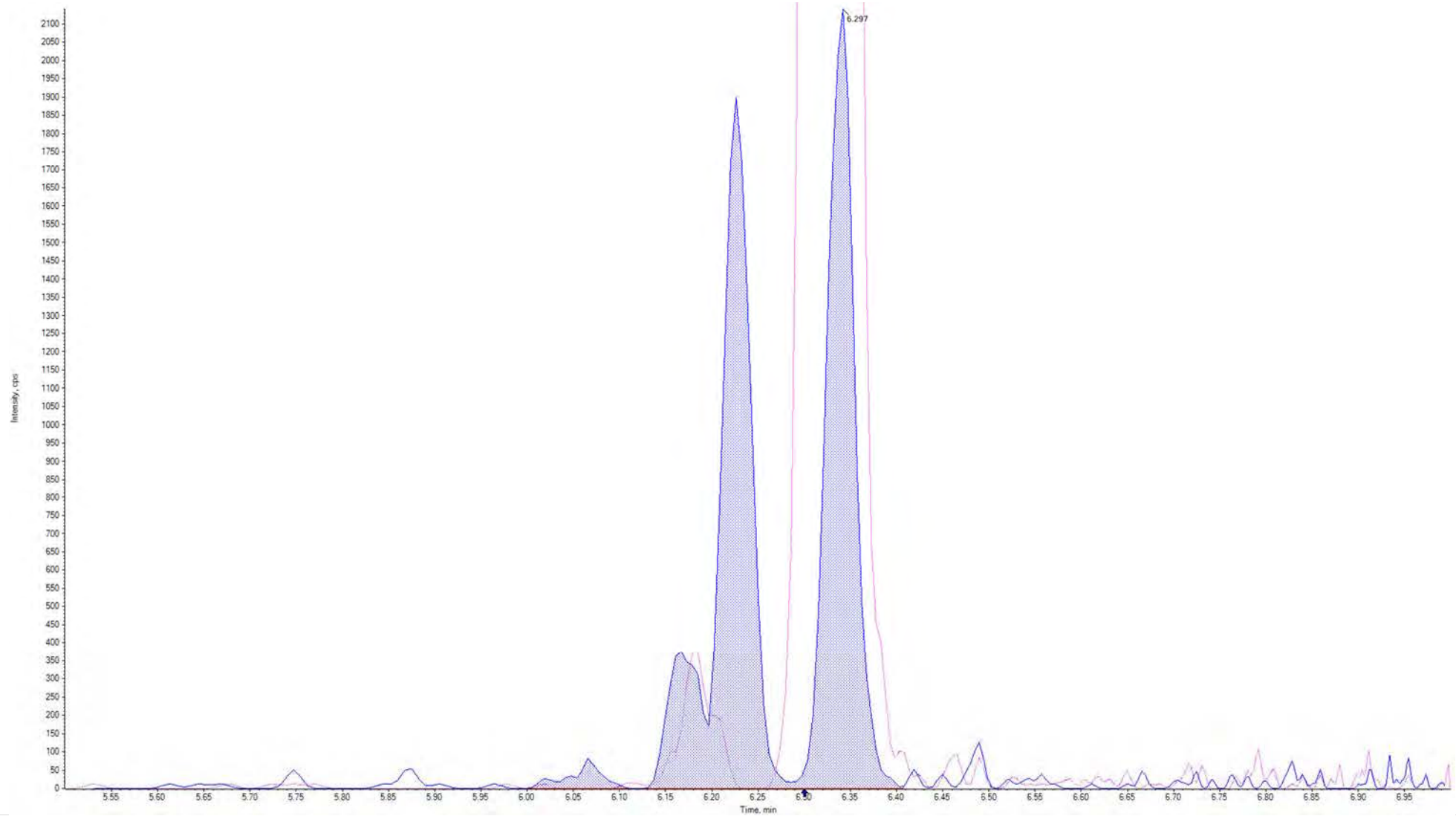
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

NEtFOSA_2
Sample: IA1633STD-.2 S/N:166.3 Points Across peak:73



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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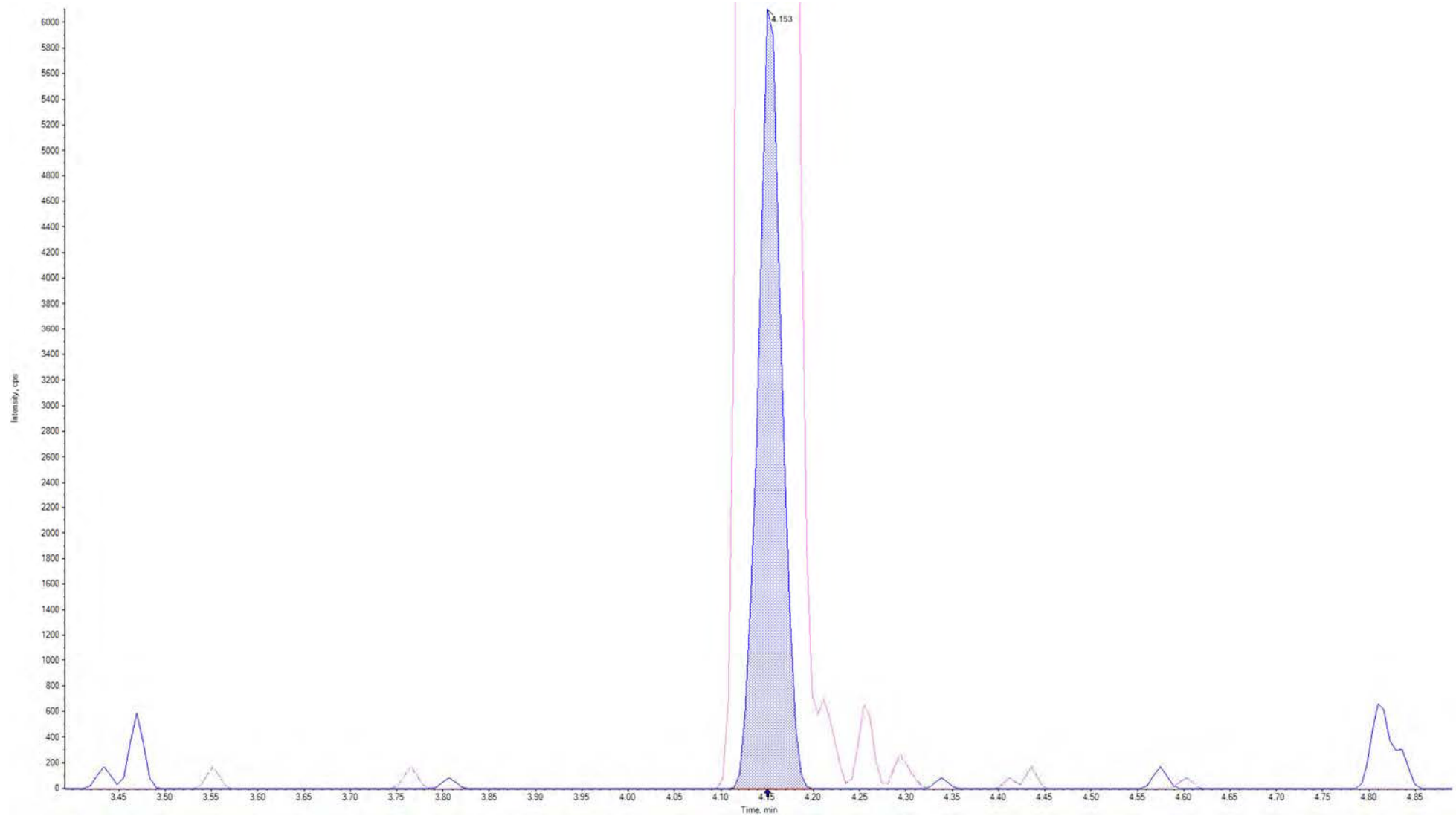
Generated: 2/28/2025 12:43:00 PM

NMeFOSAA
Sample: IA1633STD-.2 S/N:76.5 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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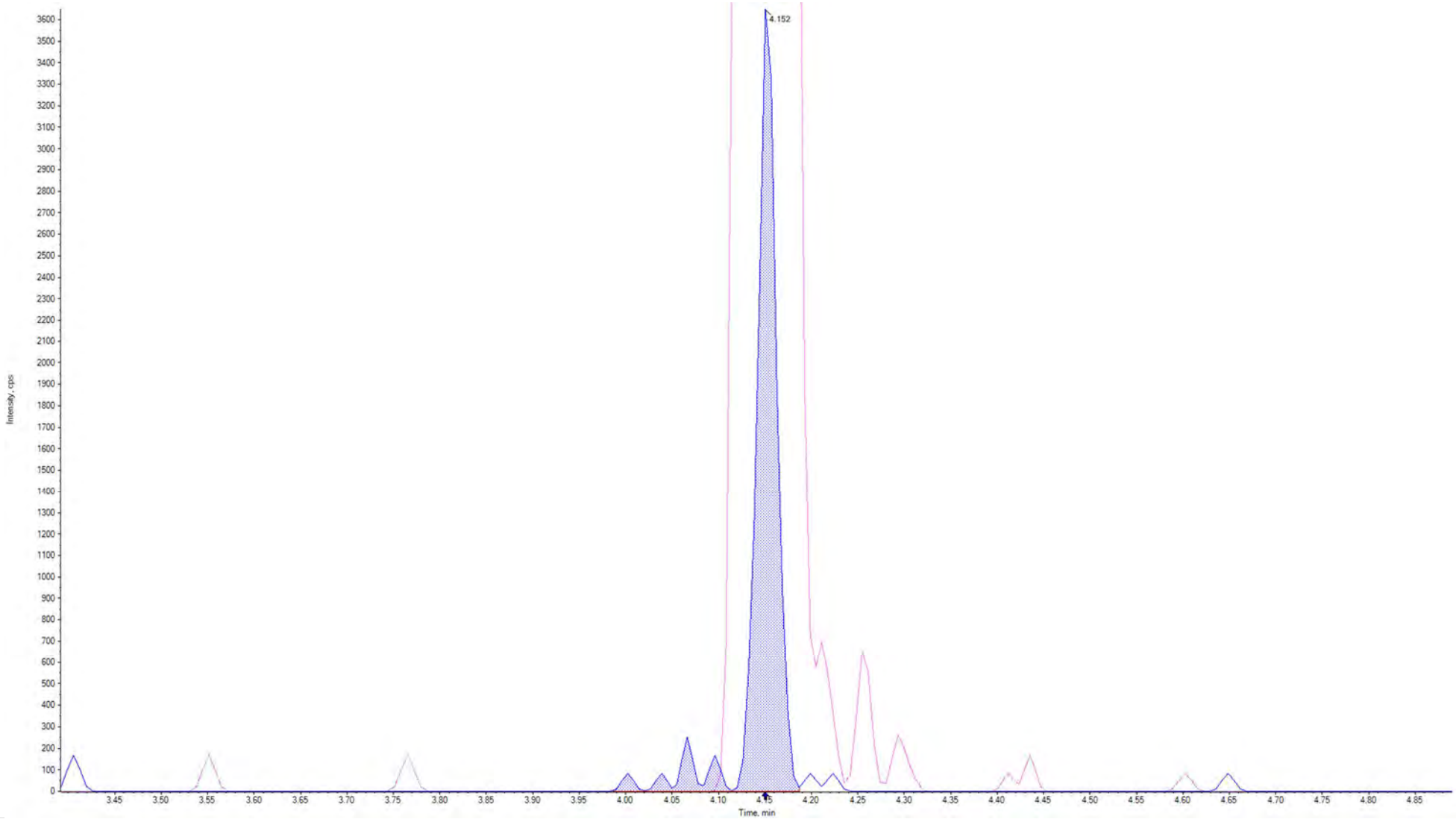
Generated: 2/28/2025 12:43:00 PM

NMeFOSAA_2
Sample: IA1633STD-.2 S/N:45.7 Points Across peak:36



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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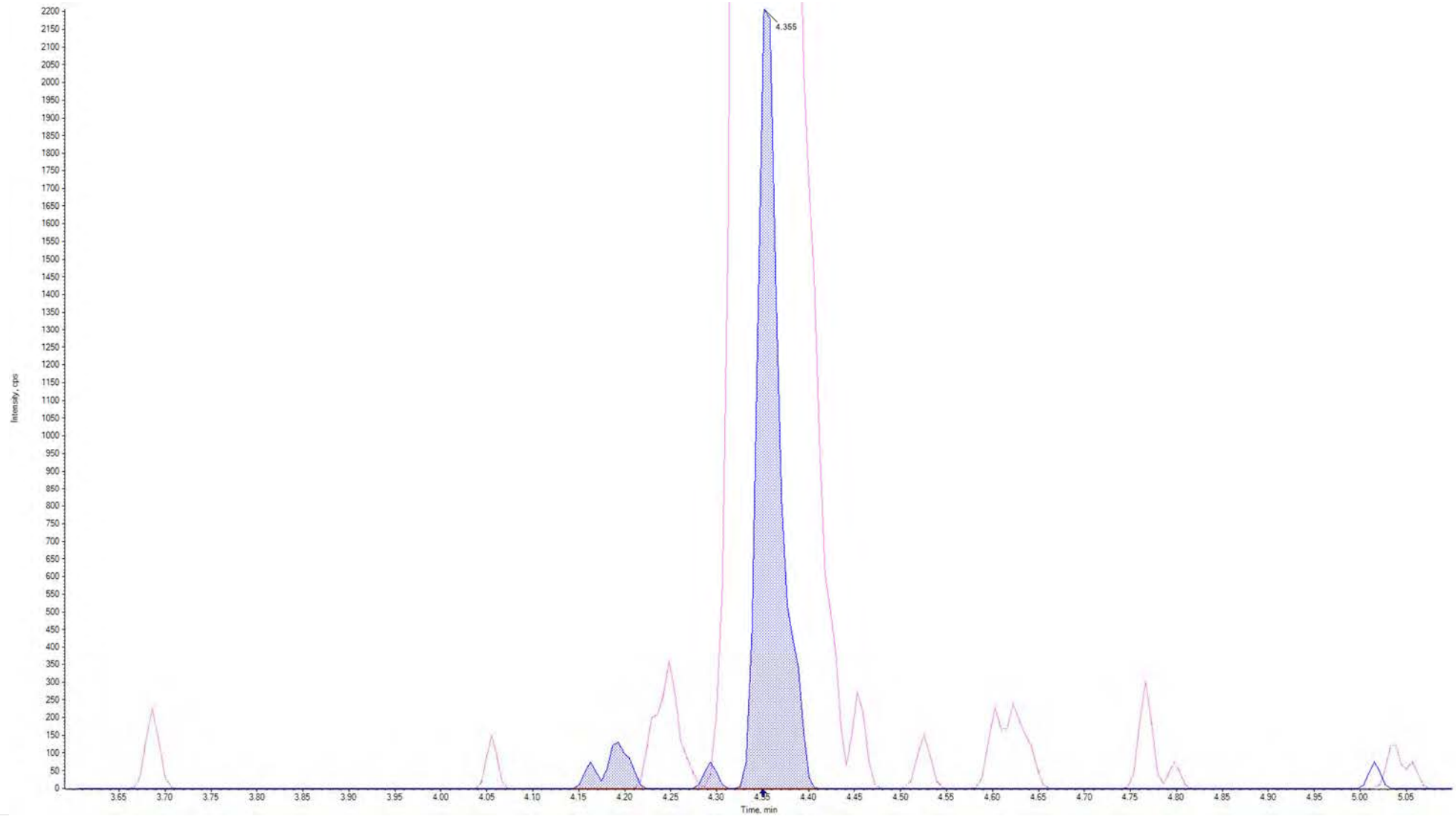
Generated: 2/28/2025 12:43:00 PM

NEtFOSAA
Sample: IA1633STD-.2 S/N:27.7 Points Across peak:45



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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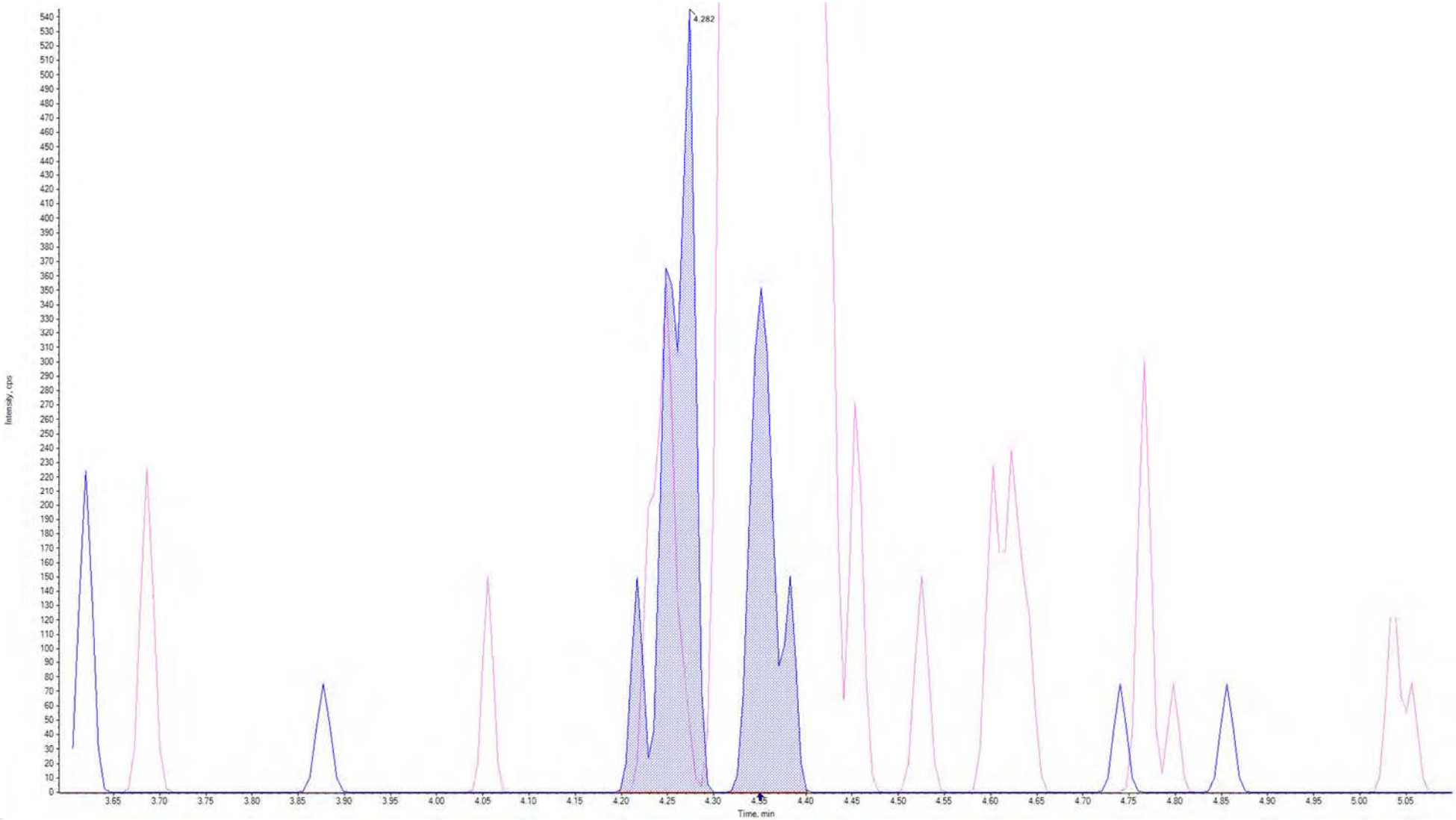
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

NEtFOSAA_2
Sample: IA1633STD-.2 S/N:6.8 Points Across peak:35



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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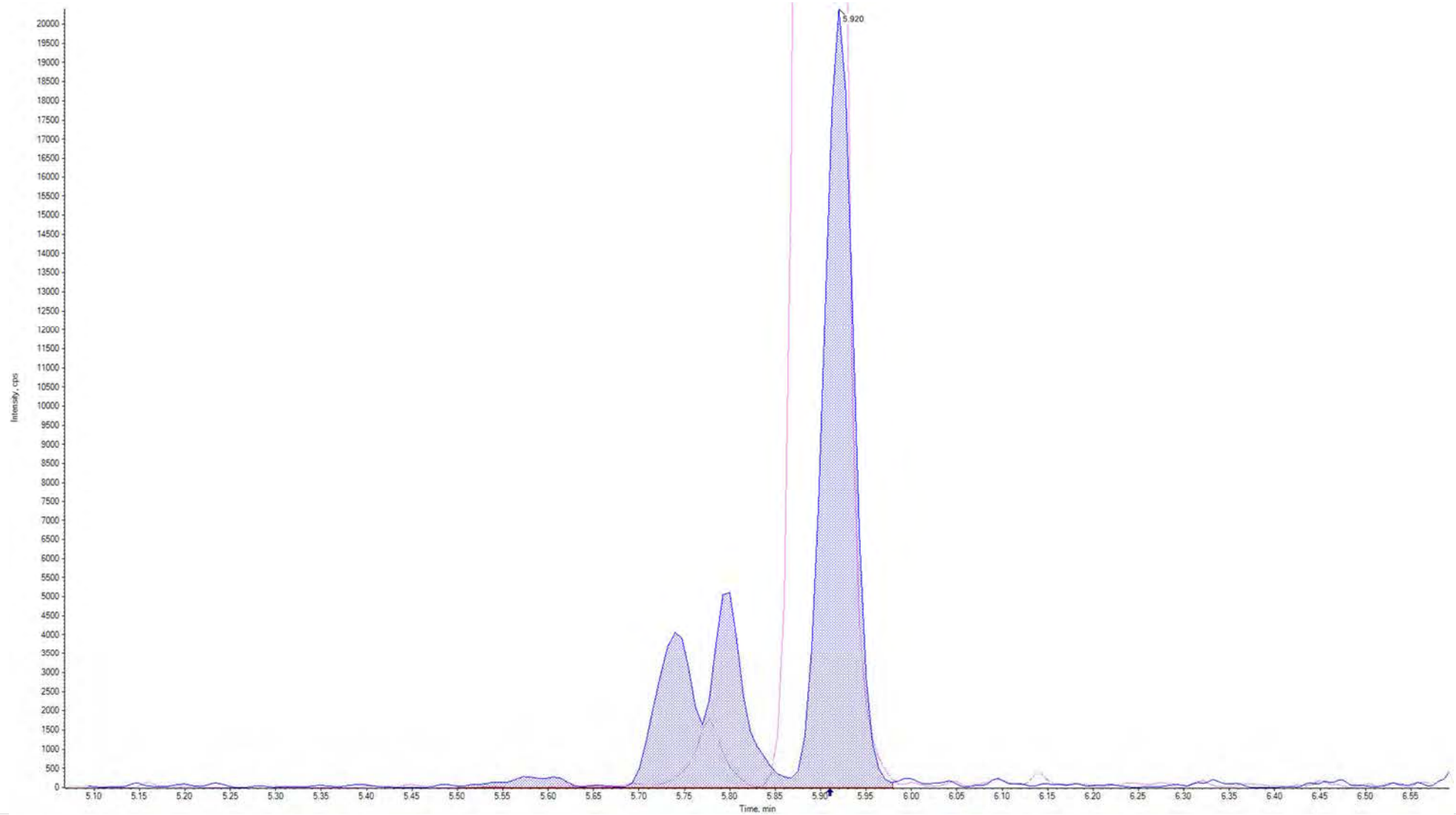
Generated: 2/28/2025 12:43:00 PM

NMeFOSE
Sample: IA1633STD-.2 S/N:383.7 Points Across peak:64



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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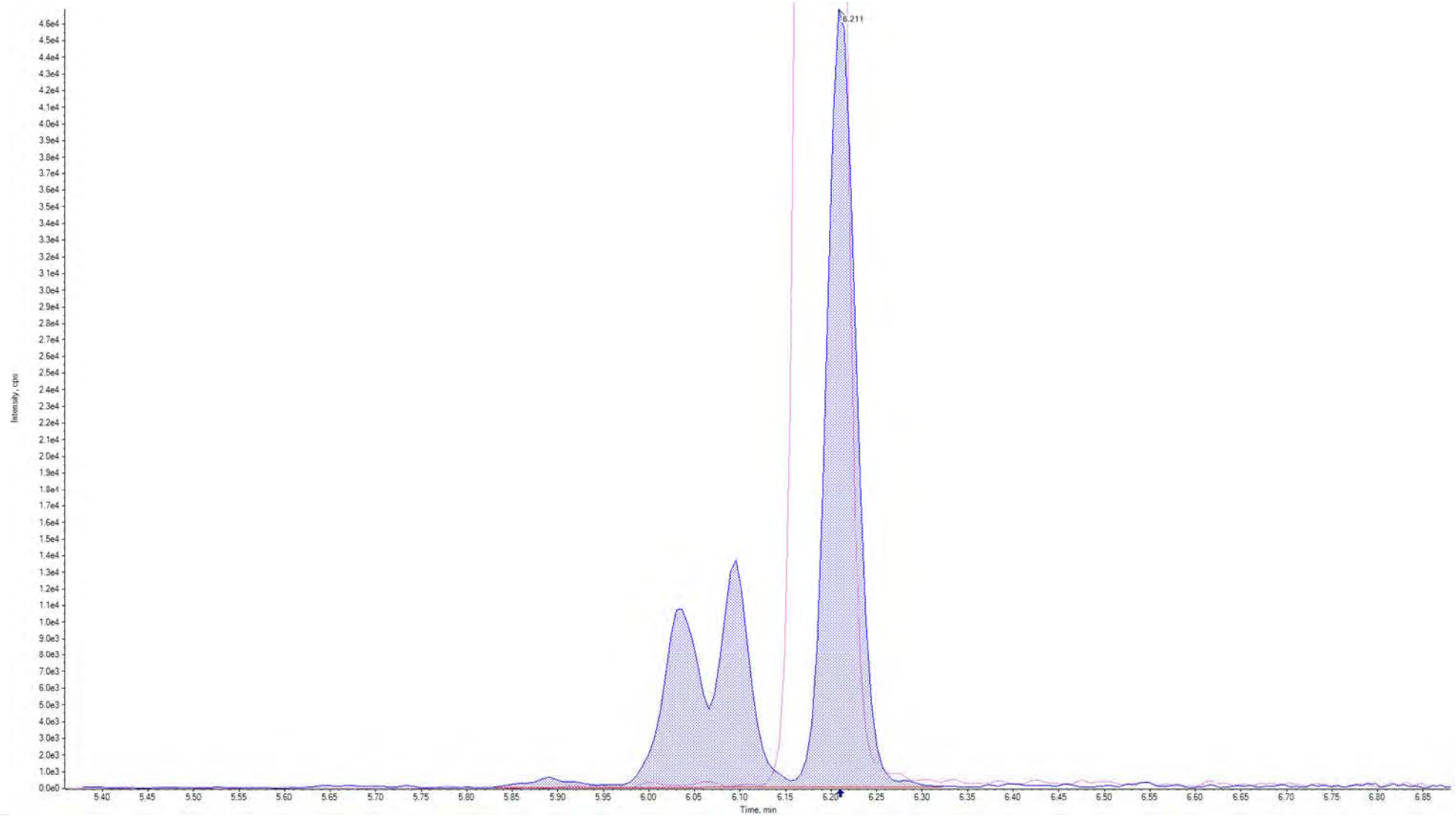
Generated: 2/28/2025 12:43:00 PM

NEtFOSE
Sample: IA1633STD-.2 S/N:587.9 Points Across peak:81



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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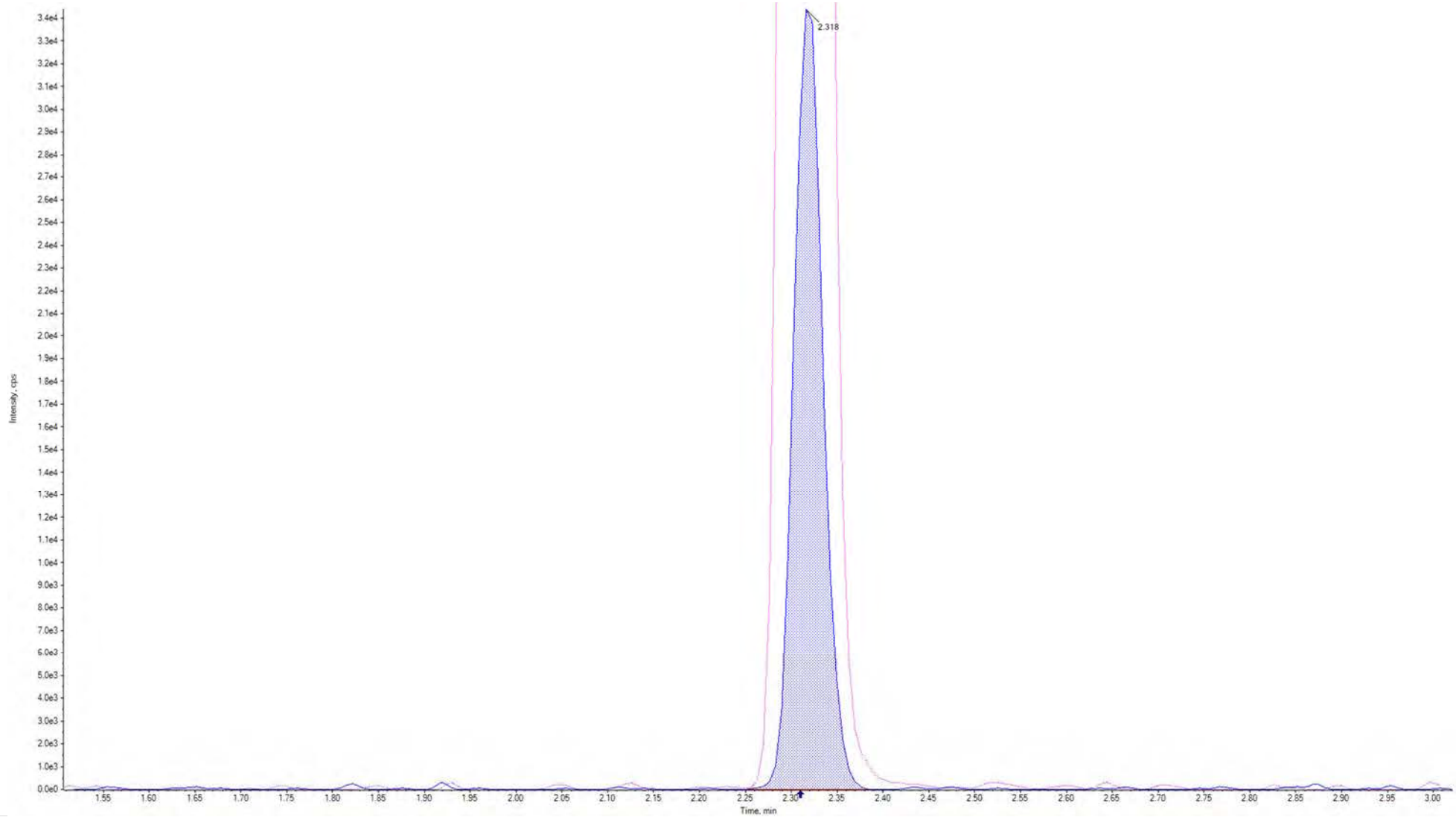
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

HFPO-DA
Sample: IA1633STD-.2 S/N:603.4 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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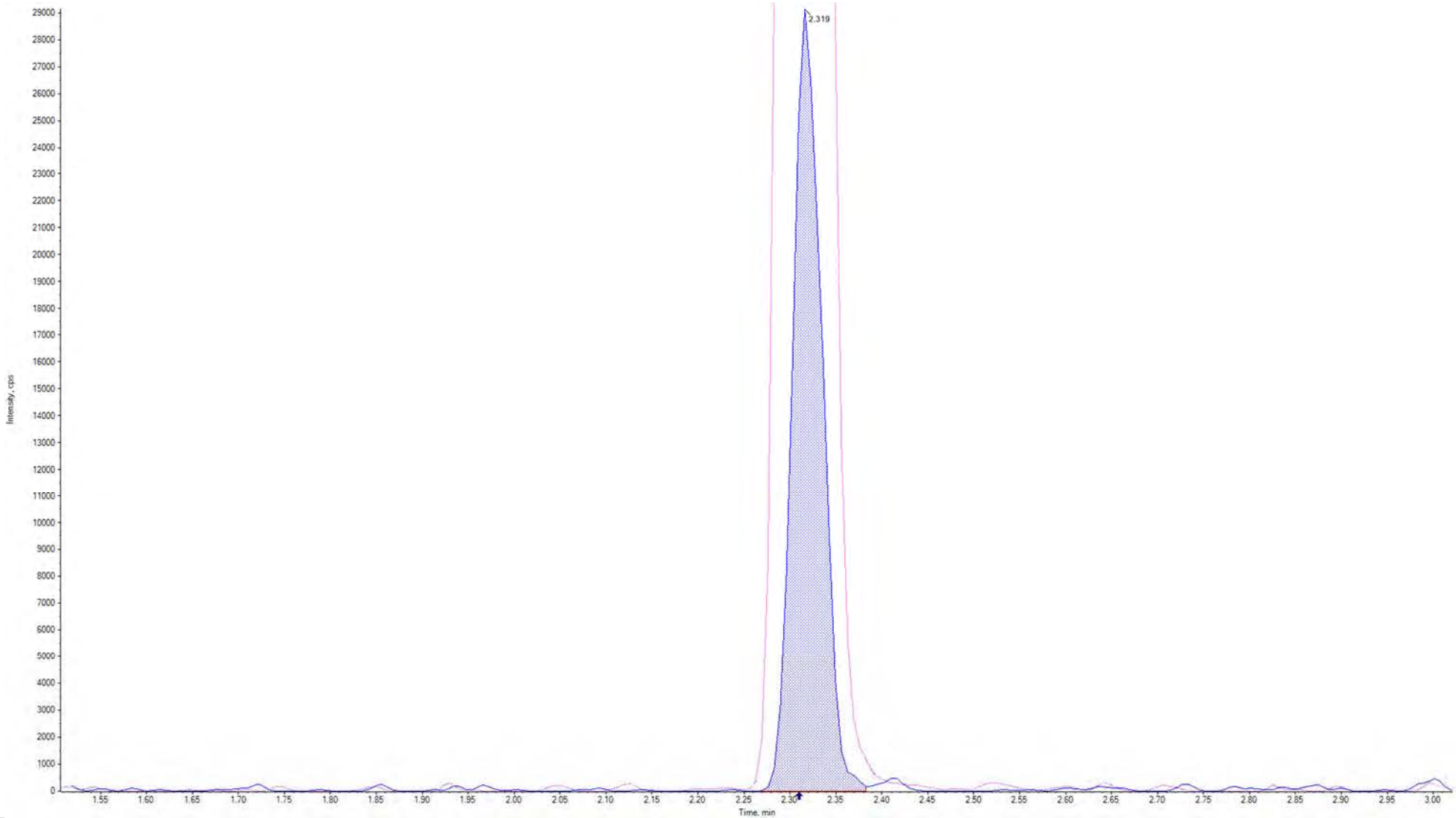
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

HFPO-DA_2
Sample: IA1633STD-.2 S/N:511.1 Points Across peak:20



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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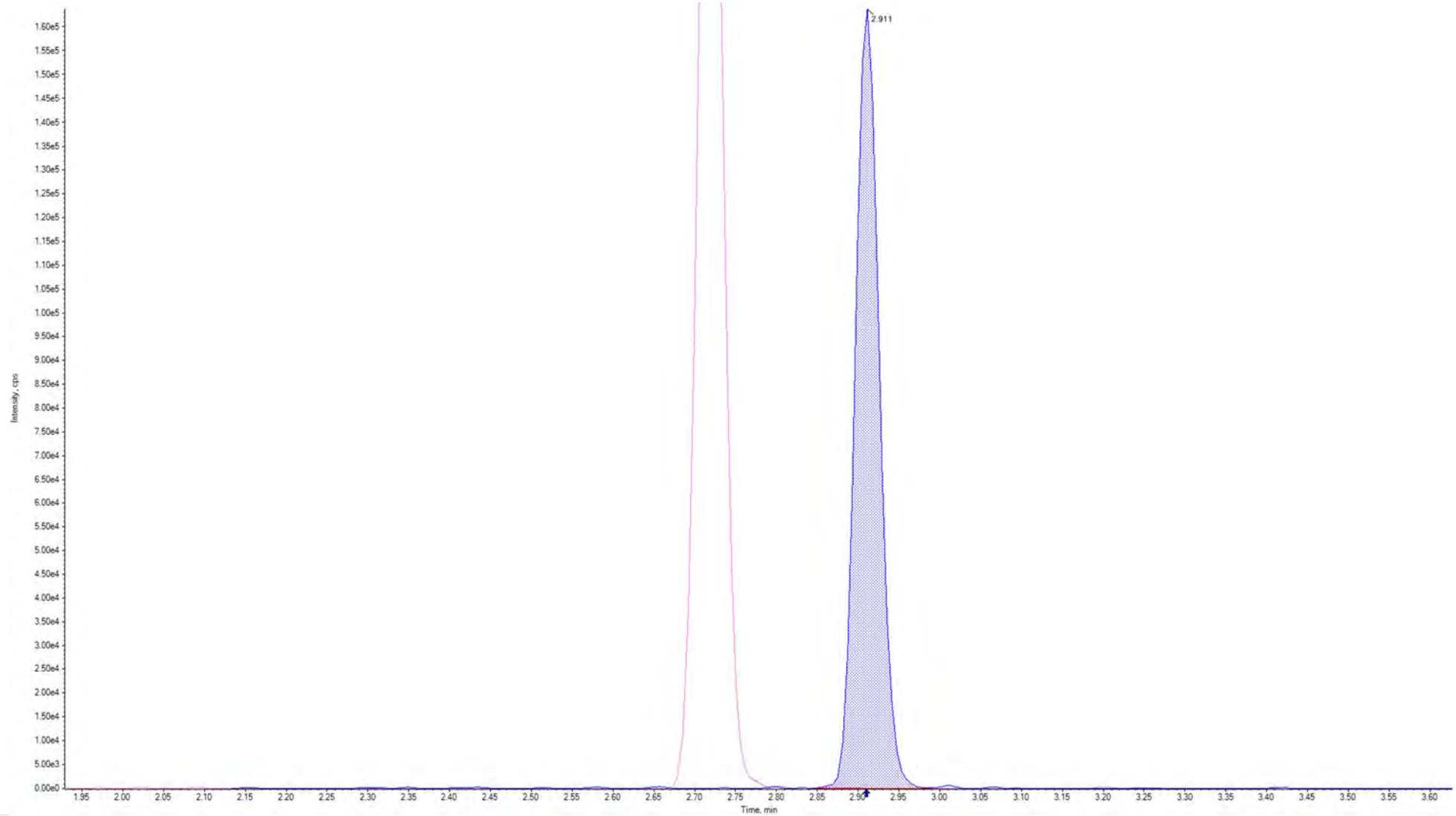
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

ADONA
Sample: IA1633STD-.2 S/N:2050.9 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/1/2025 7:32:04 AM
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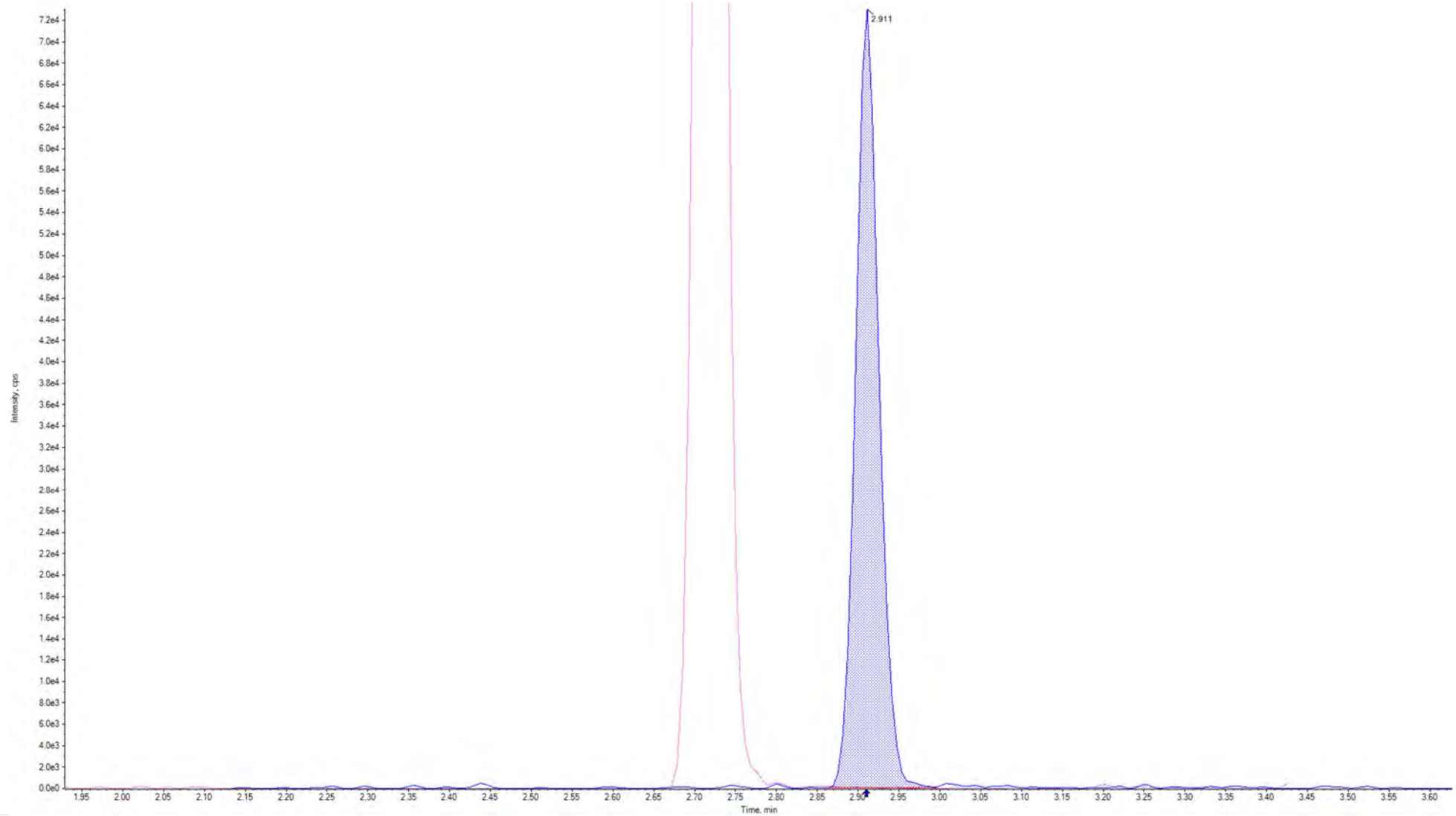
ADONA_2
Sample: IA1633STD-.2 S/N:914.6 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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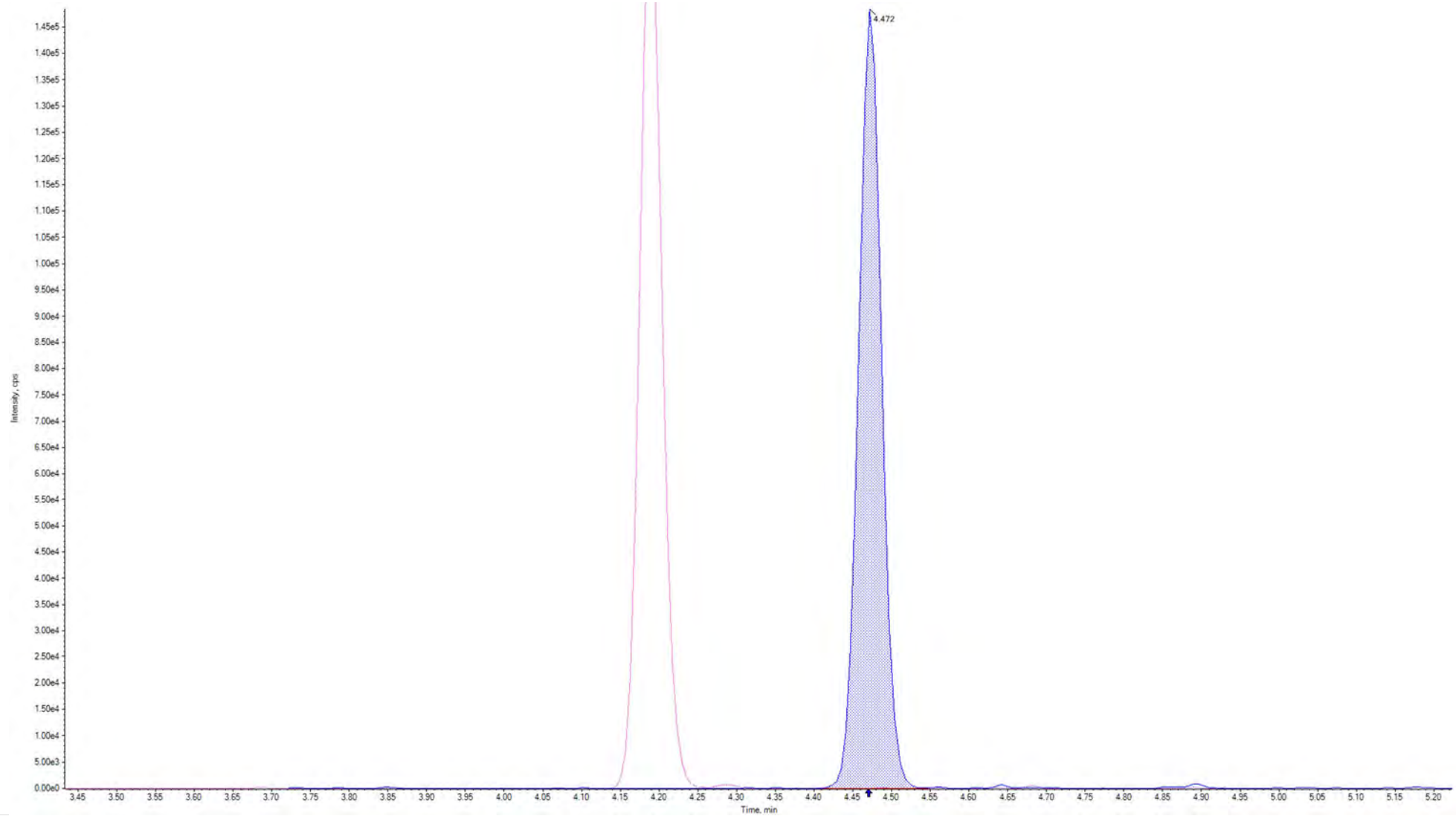
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

9Cl-PF3ONS
Sample: IA1633STD-.2 S/N:2231.3 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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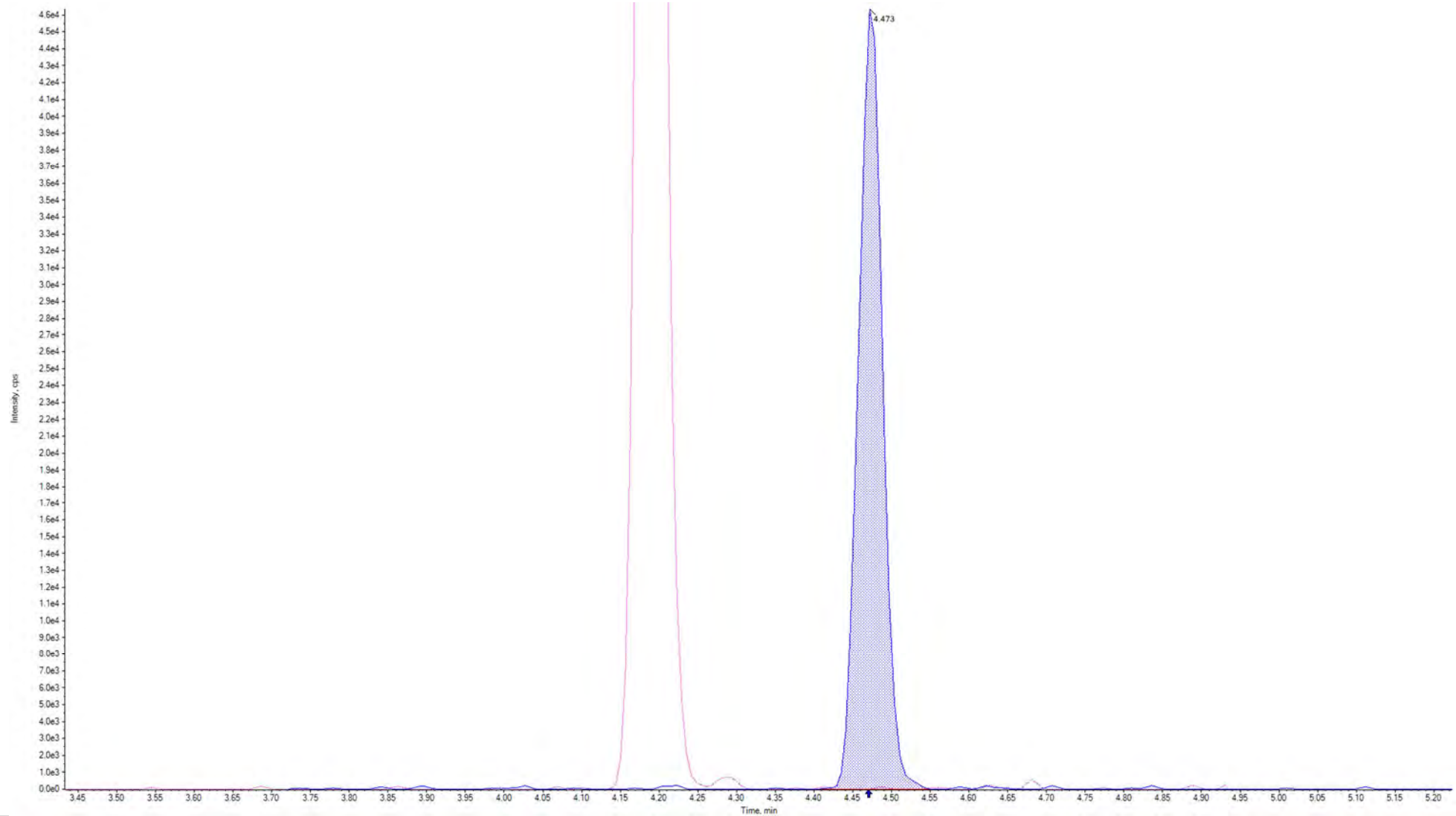
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

9Cl-PF3ONS_2
Sample: IA1633STD-.2 S/N:696.8 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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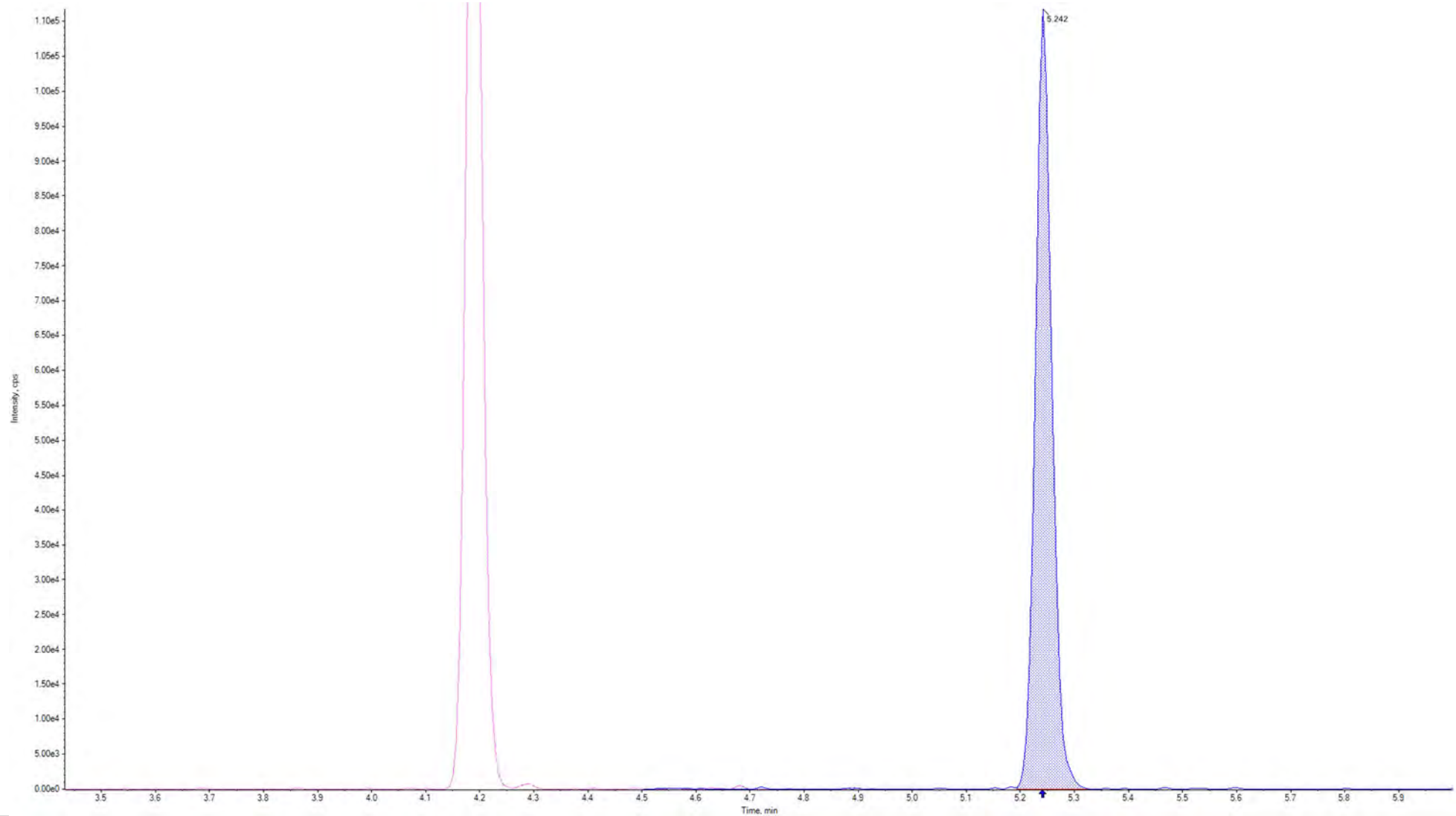
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

11Cl-PF3OUdS
Sample: IA1633STD-.2 S/N:2239.5 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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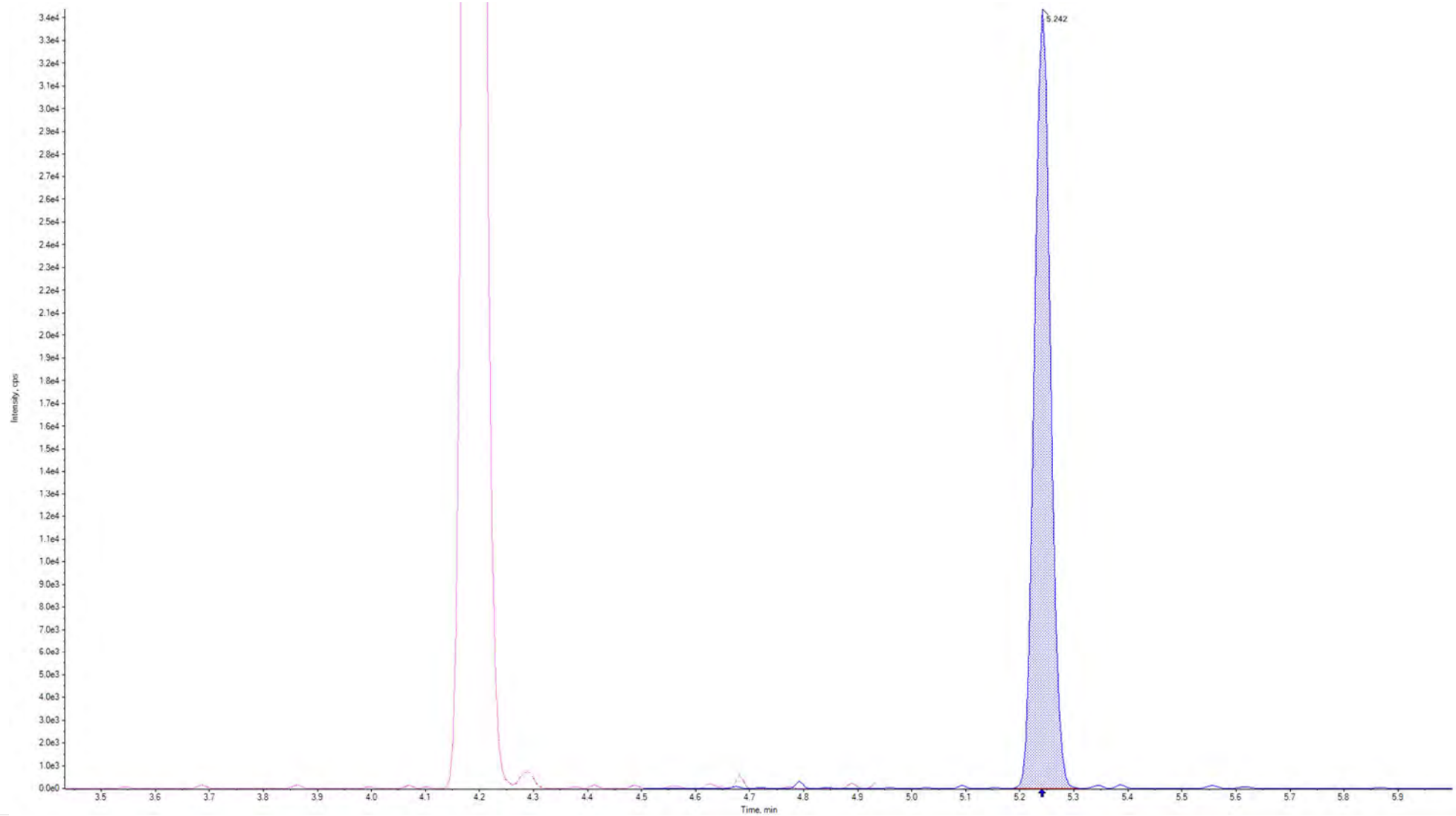
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

11Cl-PF3OUdS_2
Sample: IA1633STD-.2 S/N:689.3 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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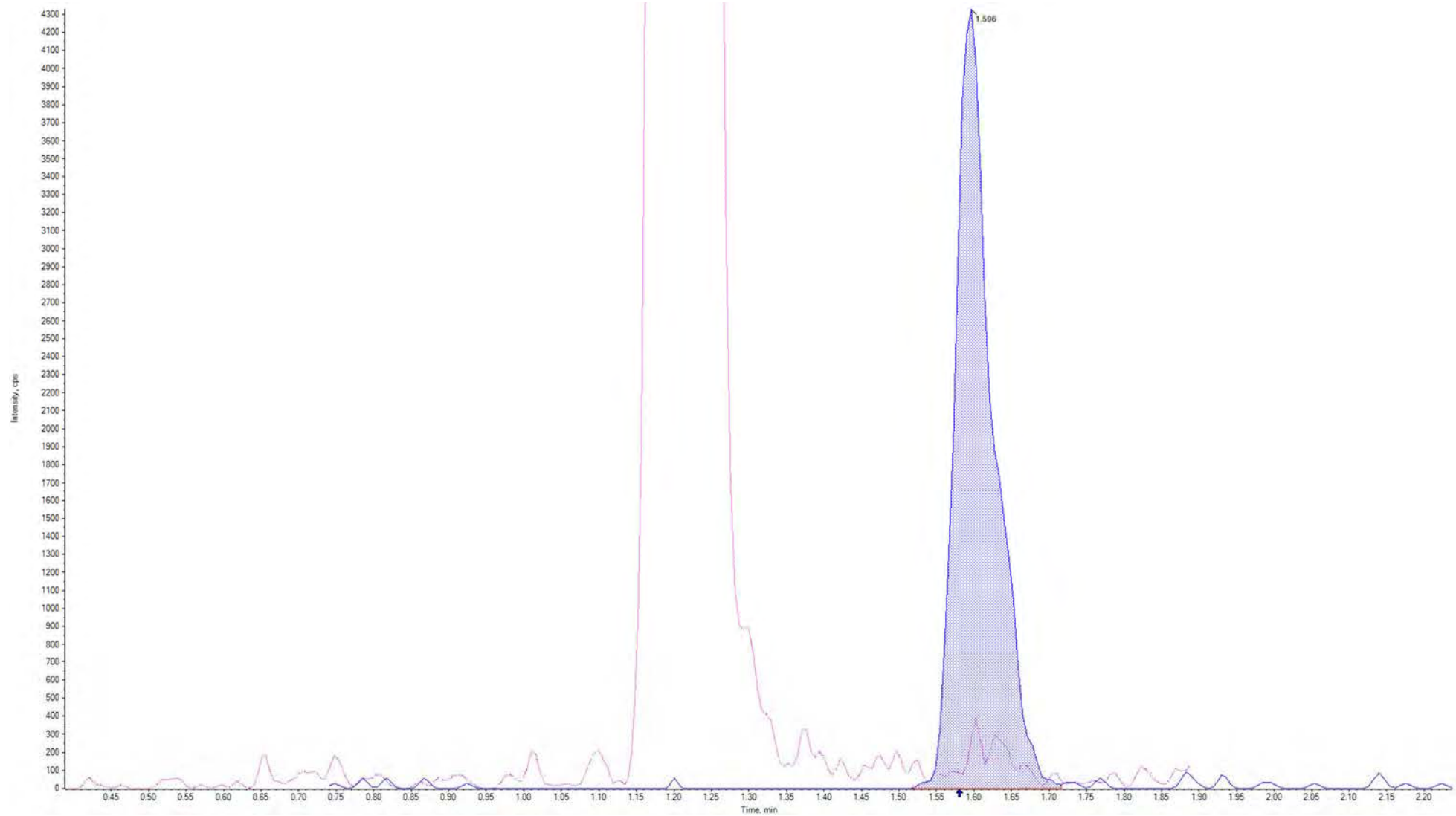
Generated: 2/28/2025 12:43:00 PM

3:3FTCA
Sample: IA1633STD-.2 S/N:151.9 Points Across peak:39



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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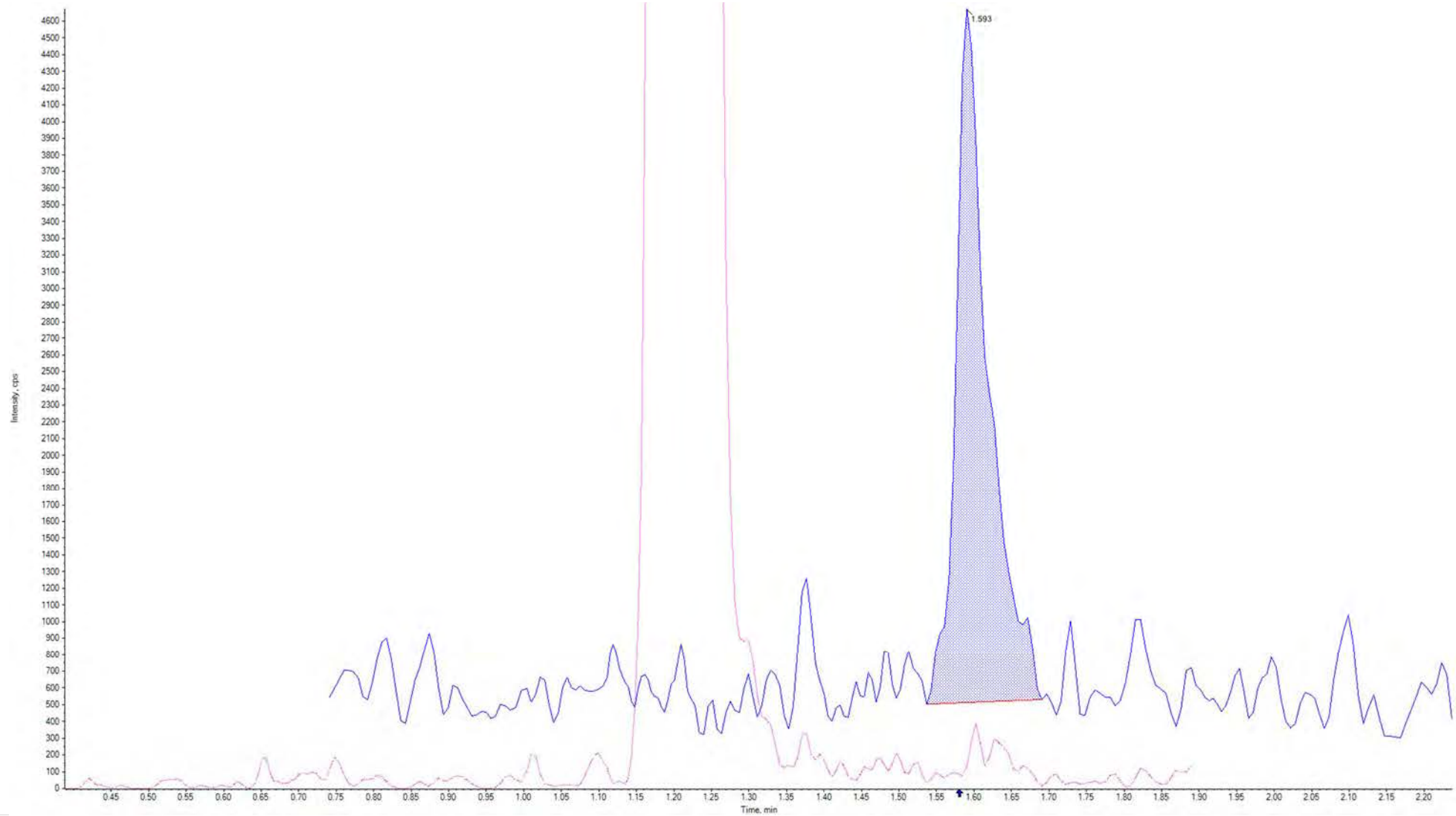
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

3:3FTCA_2
Sample: IA1633STD-.2 S/N:73.0 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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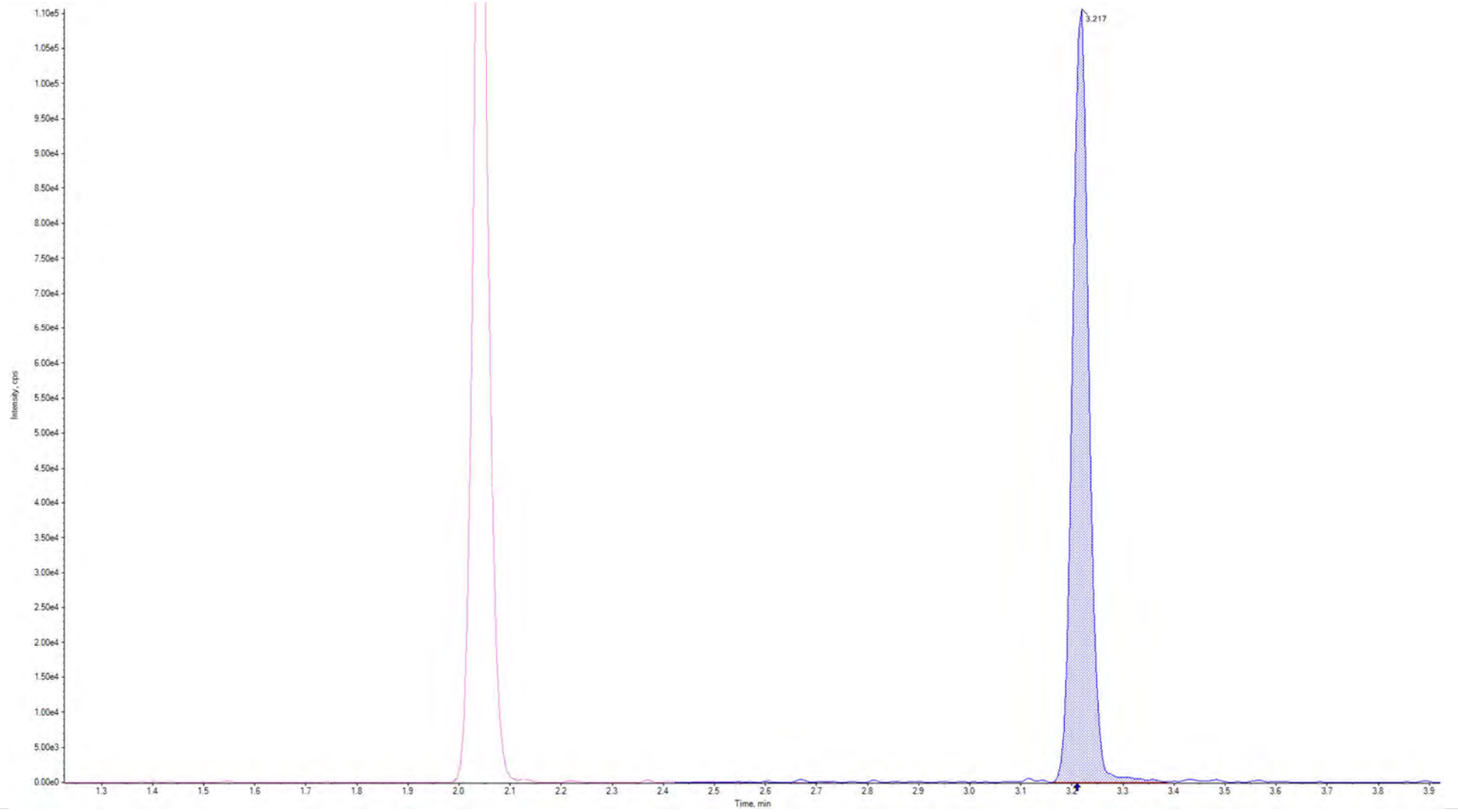
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

5:3FTCA
Sample: IA1633STD-.2 S/N:1385.8 Points Across peak:39



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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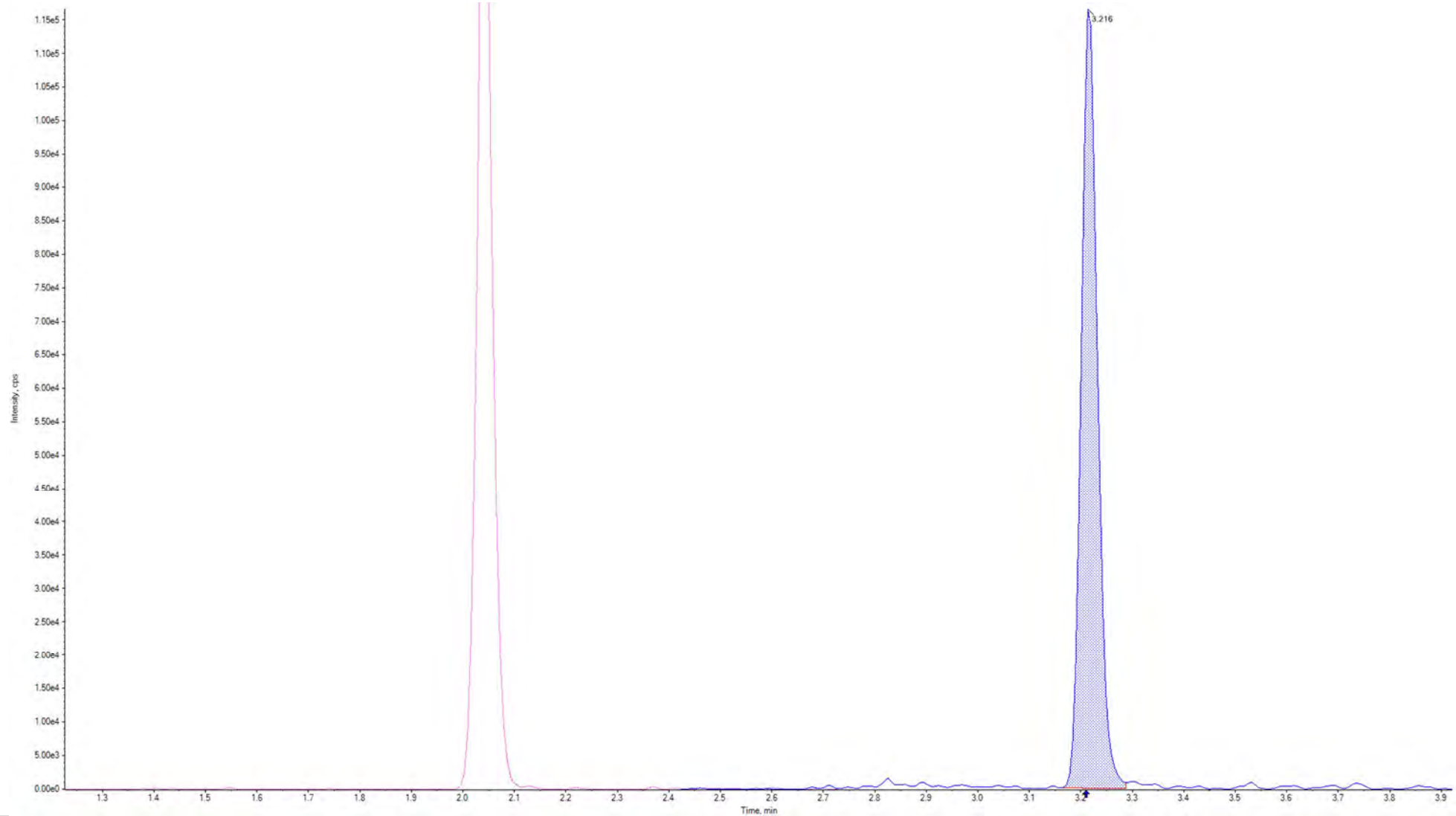
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

5:3FTCA_2
Sample: IA1633STD-.2 S/N:862.3 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/1/2025 7:32:04 AM
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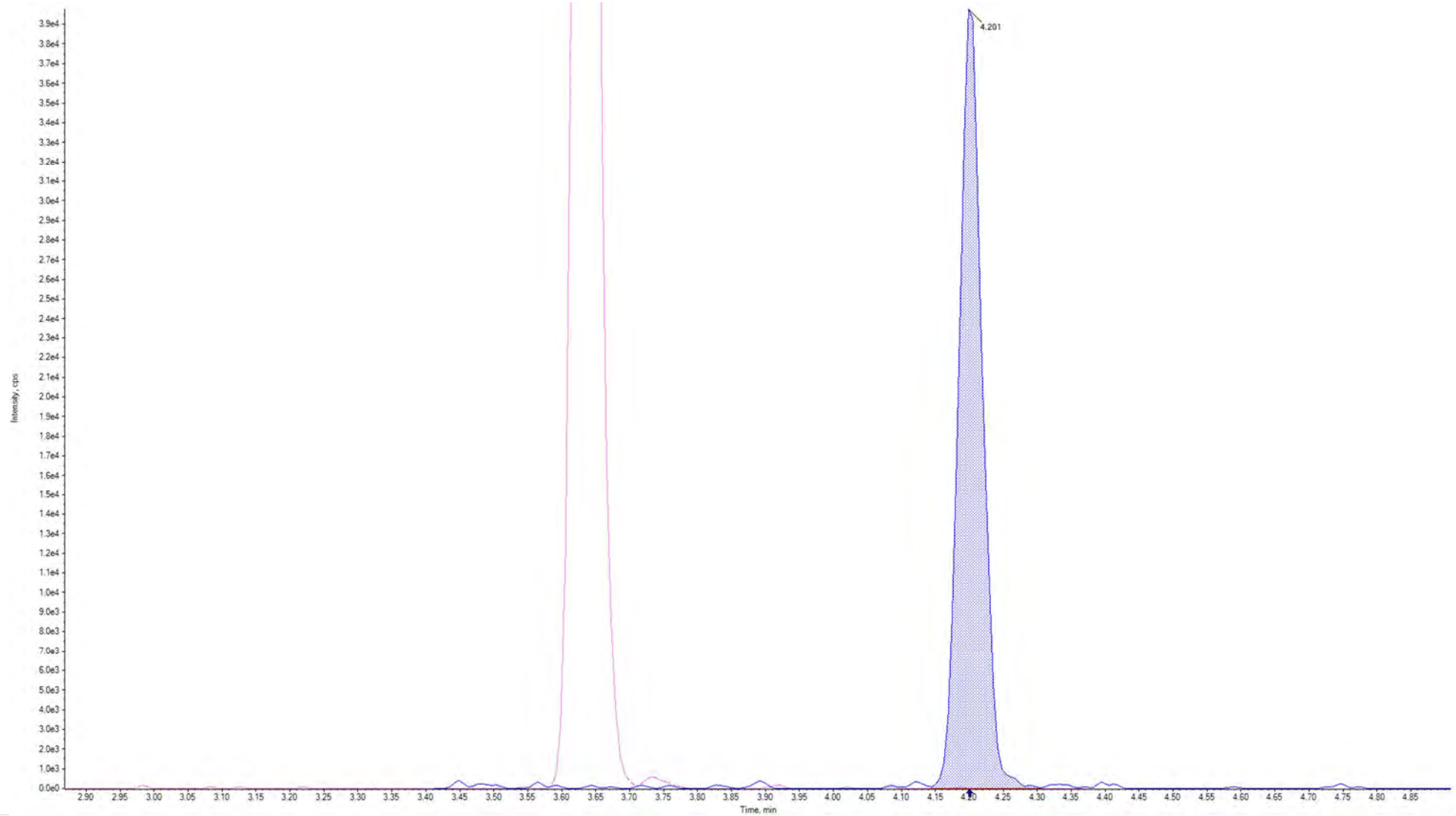
7:3FTCA
Sample: IA1633STD-.2 S/N:498.4 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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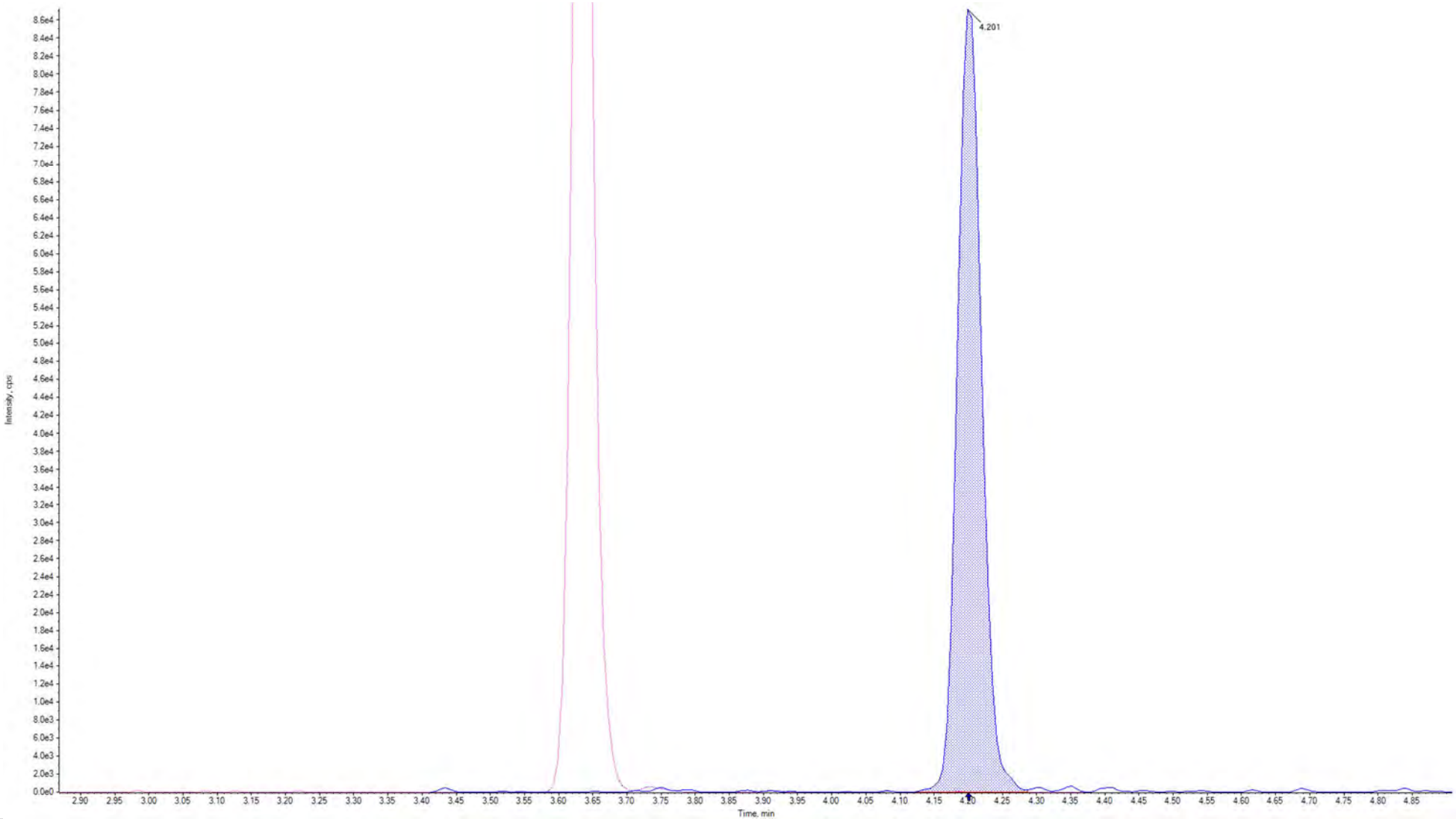
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

7:3FTCA_2
Sample: IA1633STD-.2 S/N:1092.8 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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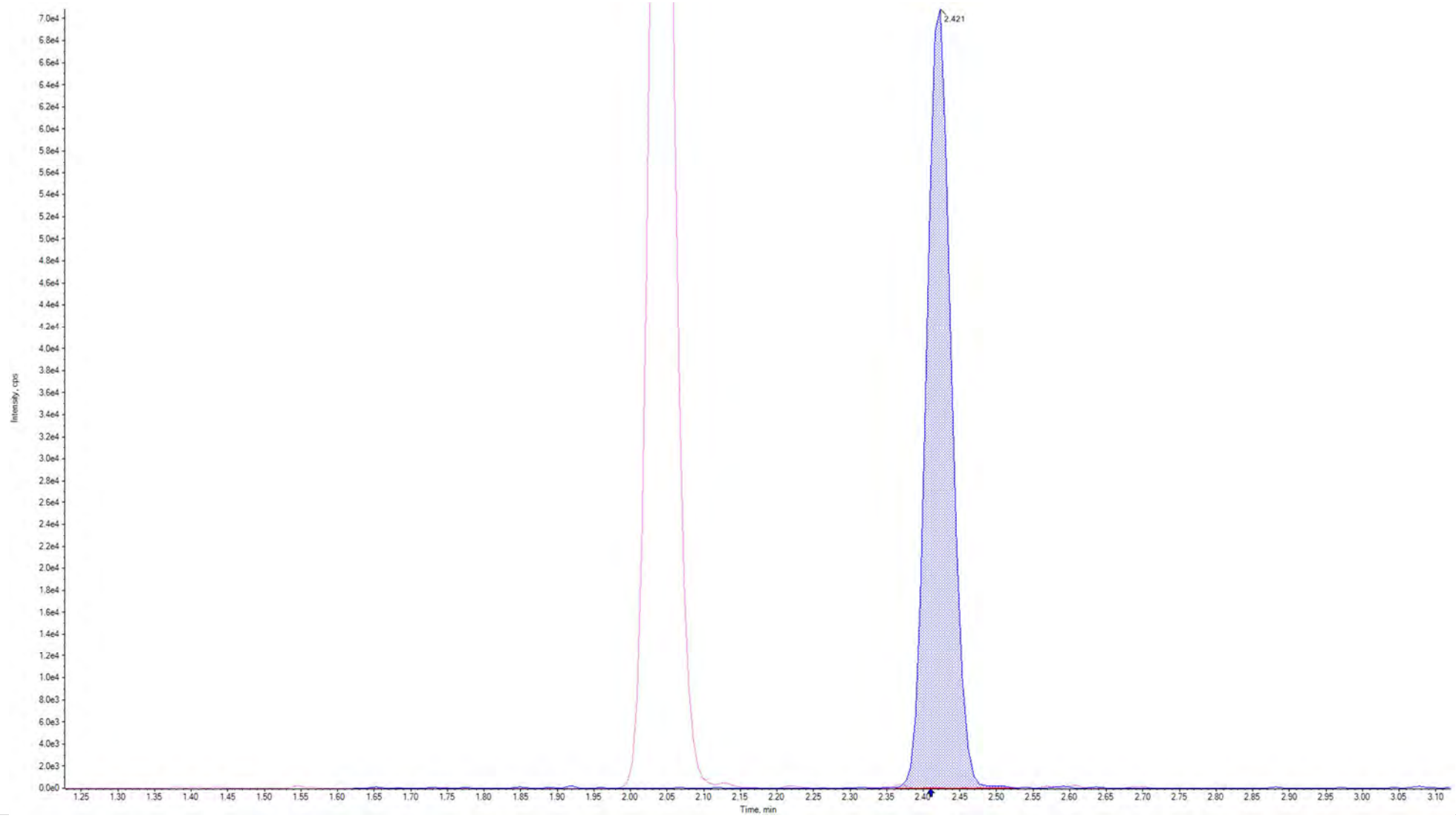
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFEESA
Sample: IA1633STD-.2 S/N:1243.0 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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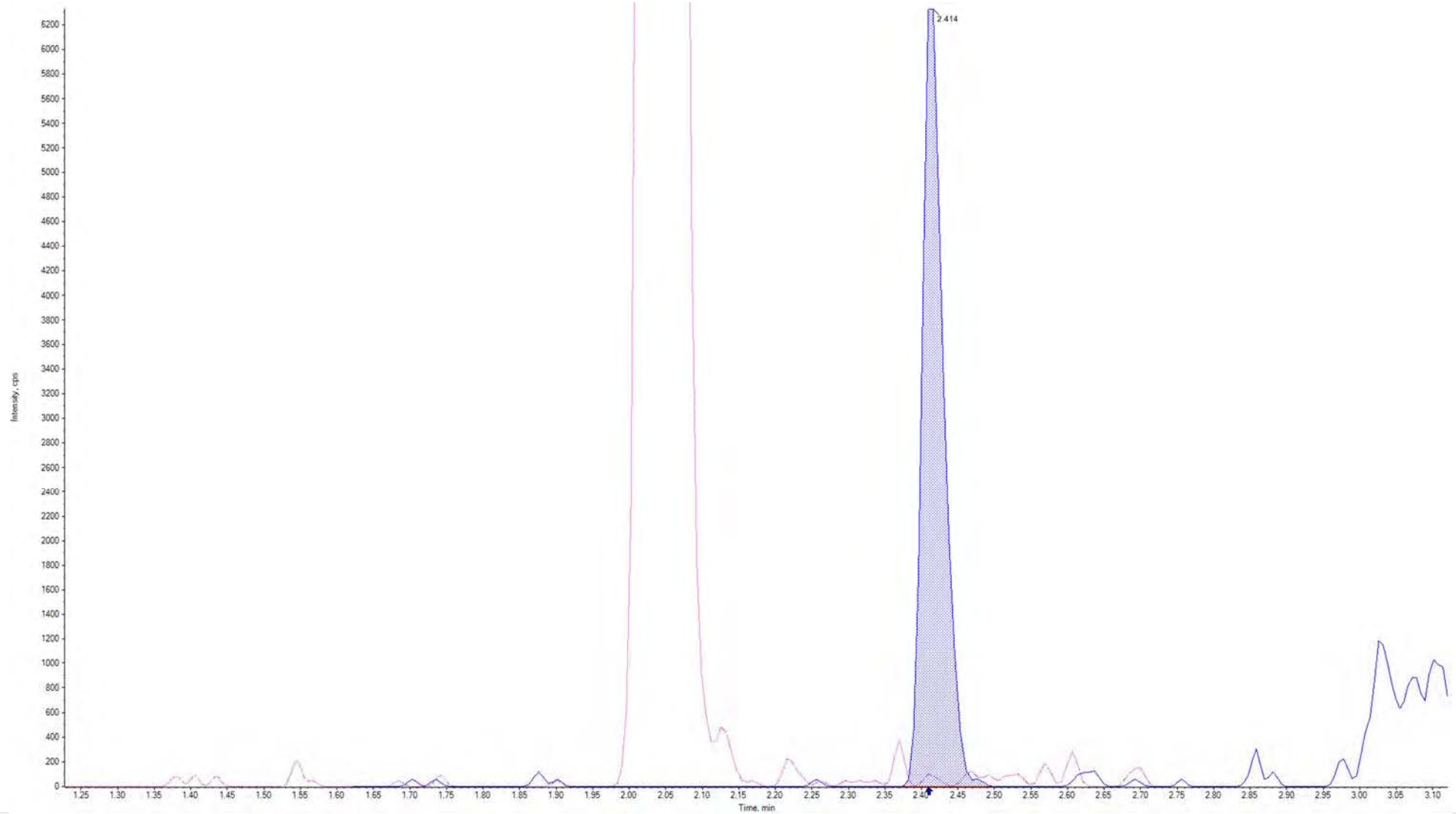
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFEESA_2
Sample: IA1633STD-.2 S/N:111.0 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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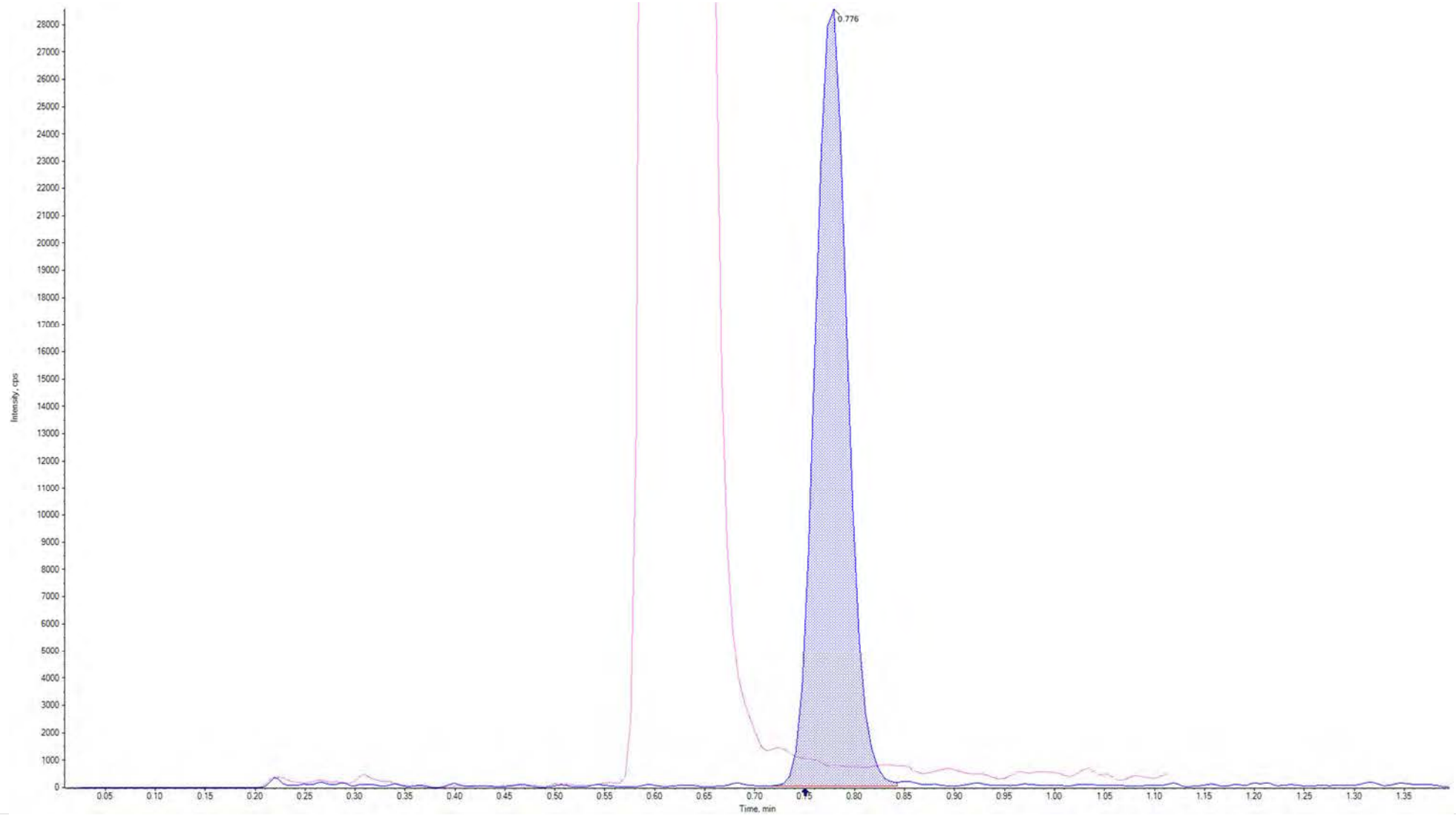
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFMPA
Sample: IA1633STD-.2 S/N:901.9 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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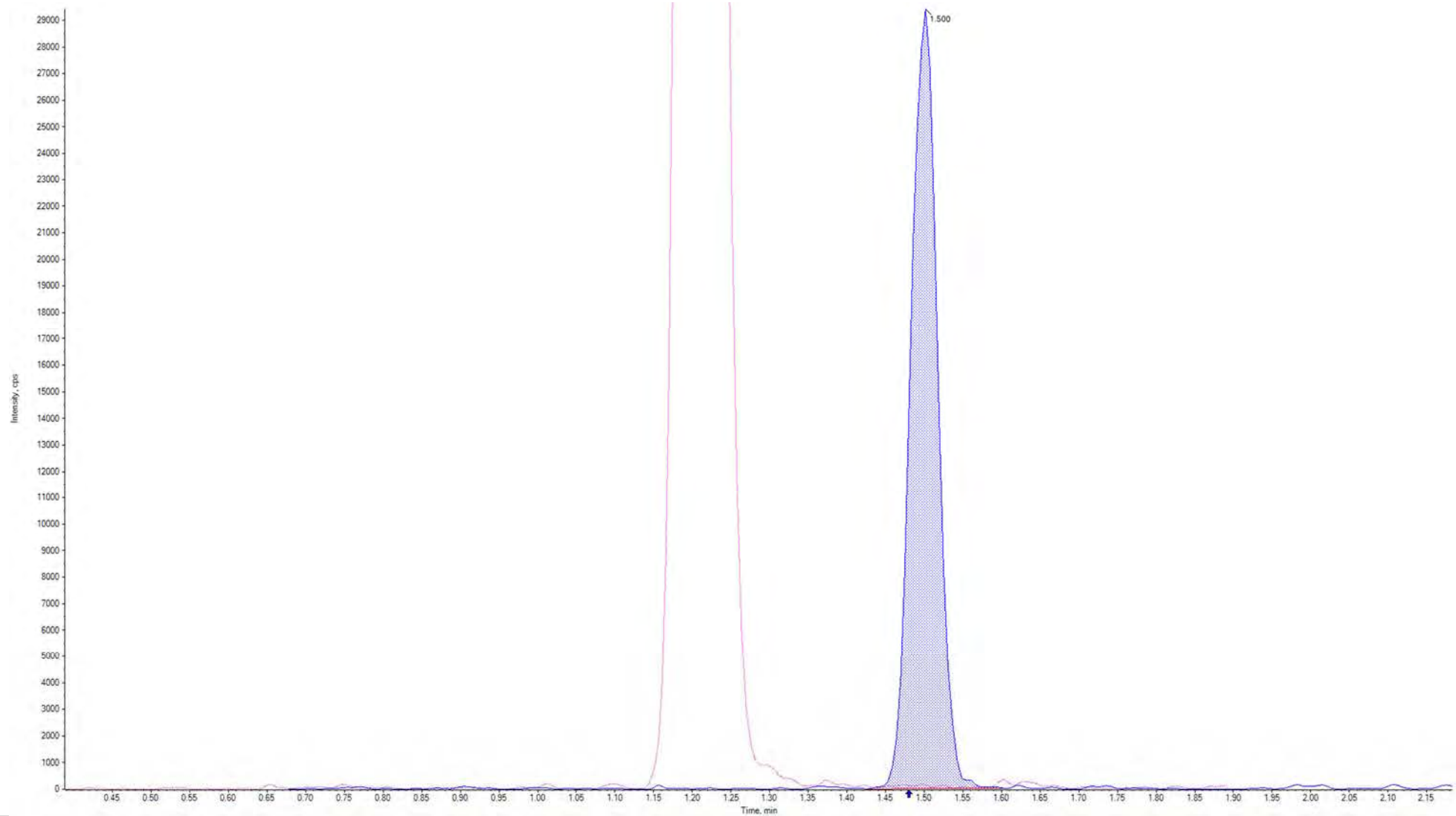
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFMBA
Sample: IA1633STD-.2 S/N:1105.5 Points Across peak:33



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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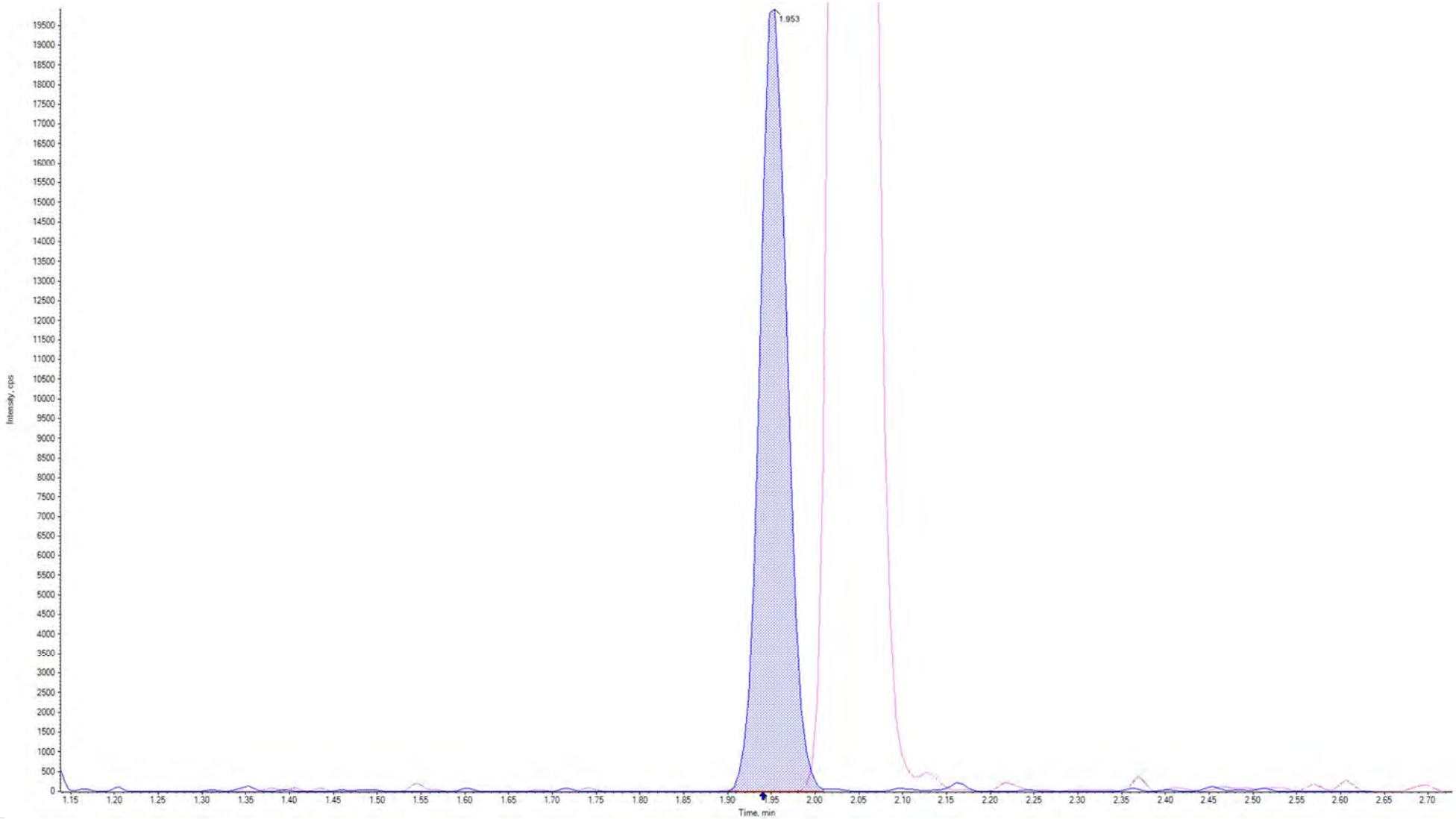
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

NFDHA
Sample: IA1633STD-.2 S/N:449.2 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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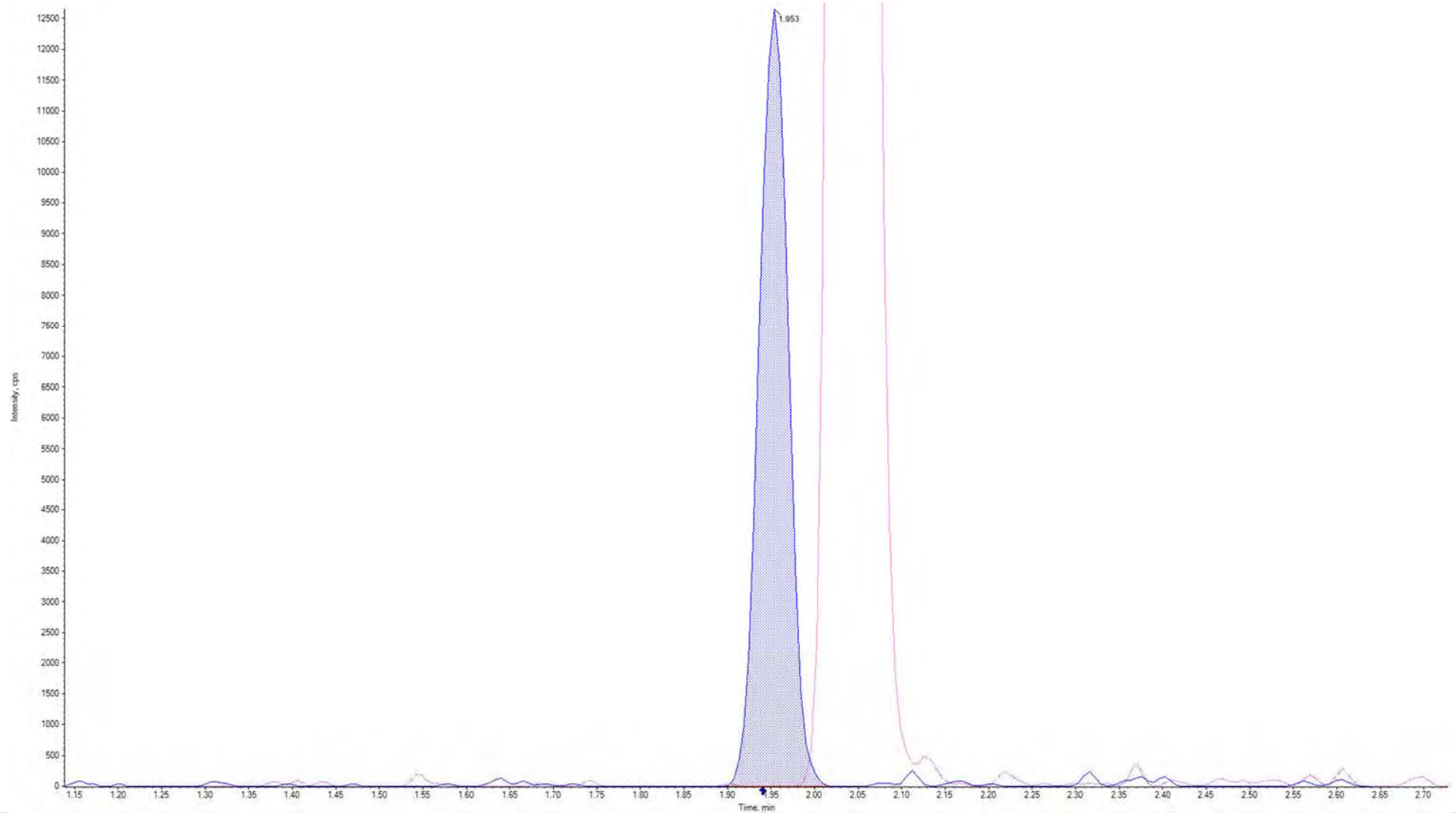
NFDHA_2
Sample: IA1633STD-.2 S/N:285.4 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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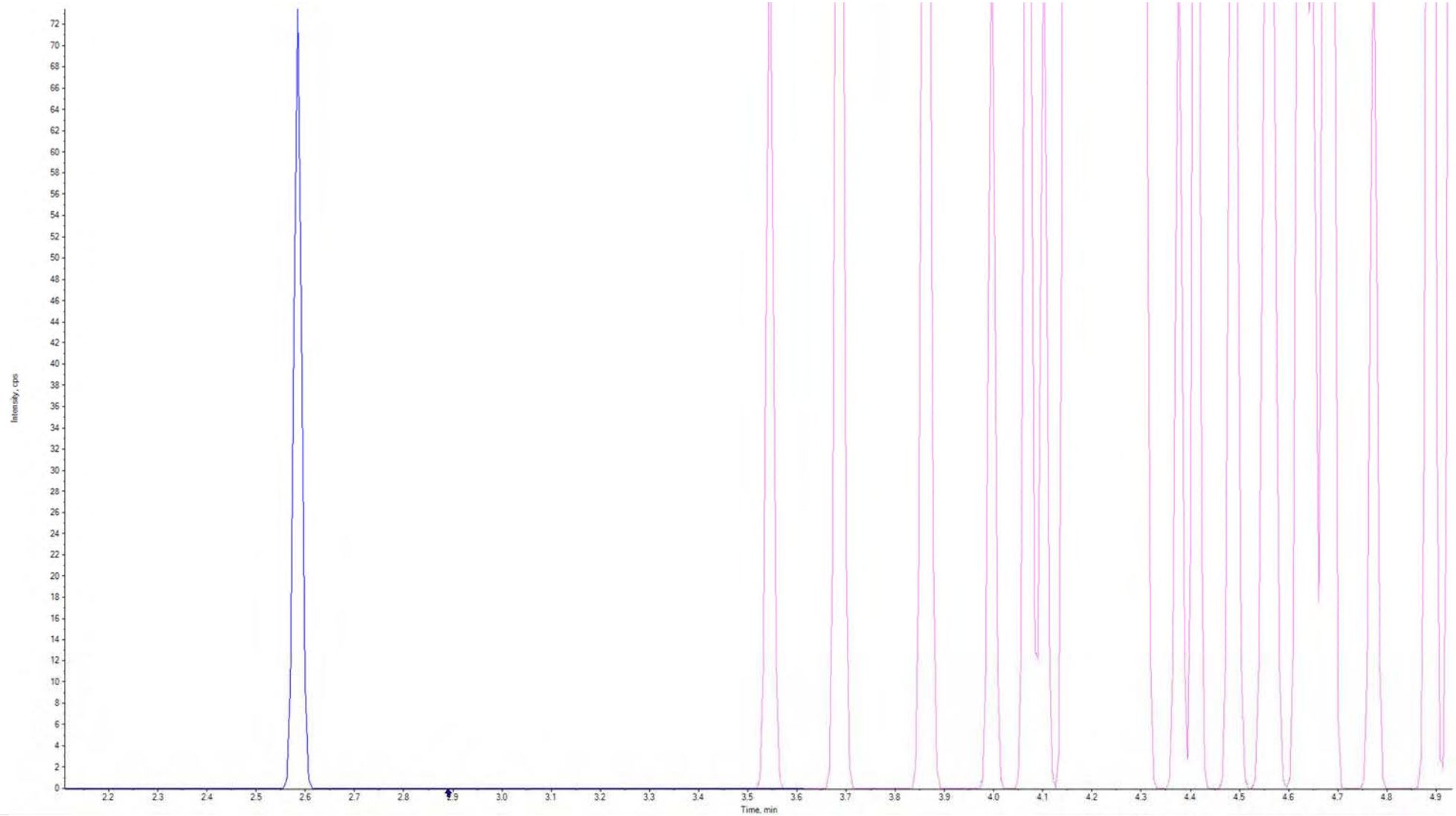
Generated: 2/28/2025 12:43:00 PM

TDCA
Sample: IA1633STD-.2 S/N:N/A Points Across peak:N/A



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Alpha Analytical LLC
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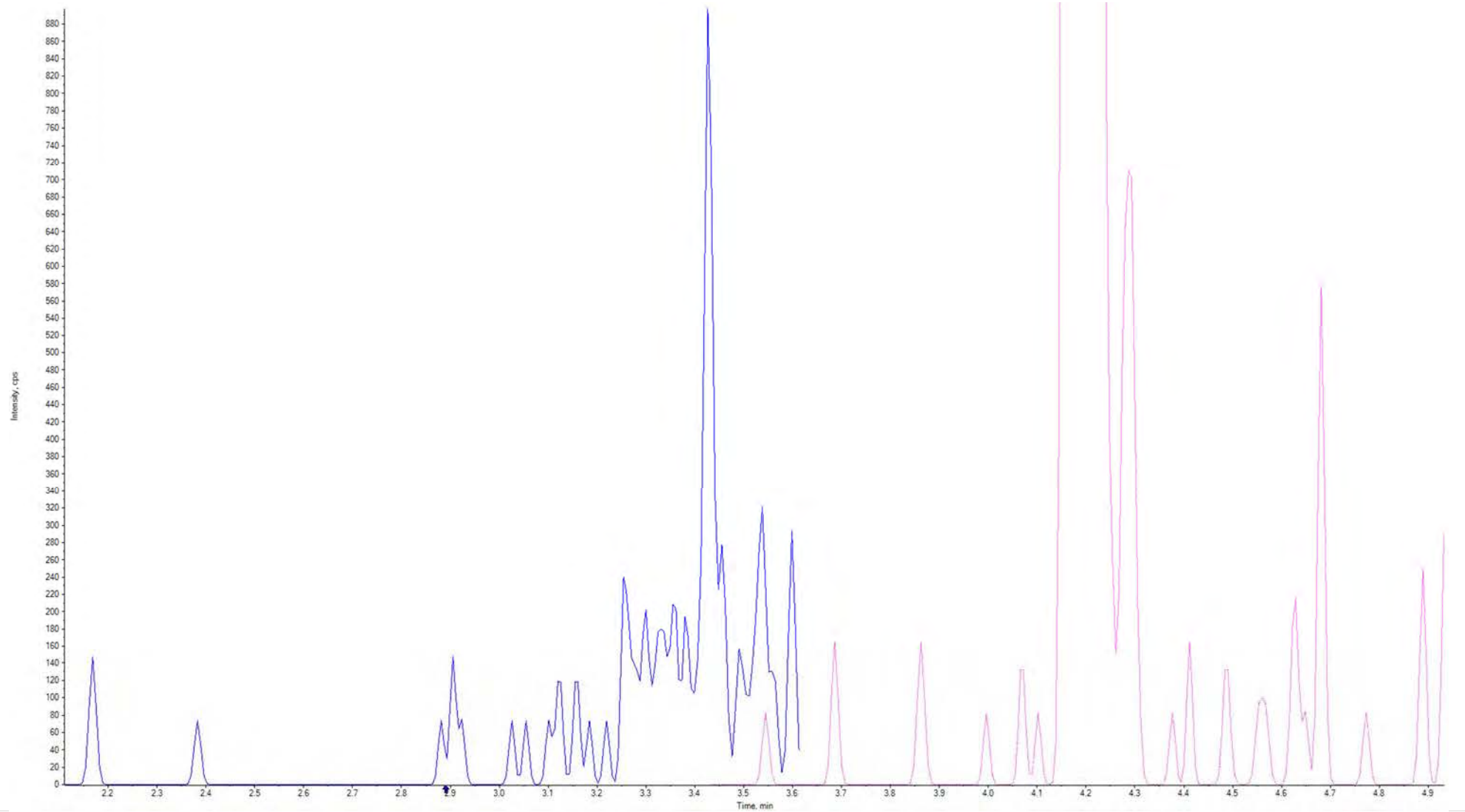
Generated: 2/28/2025 12:43:00 PM

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
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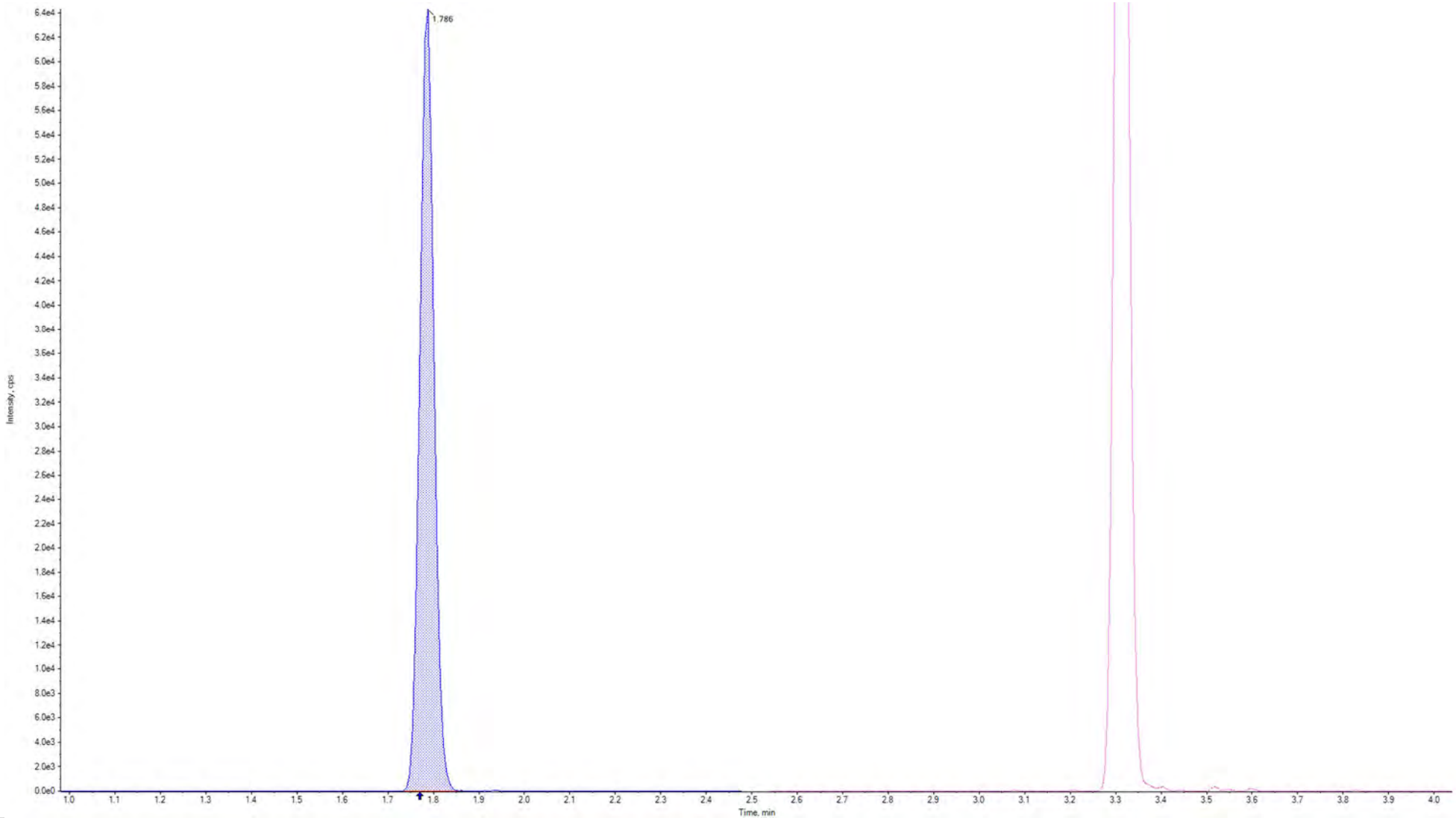
13C2D4-4:2FTS
Sample: IA1633STD-.2 S/N:1772.7 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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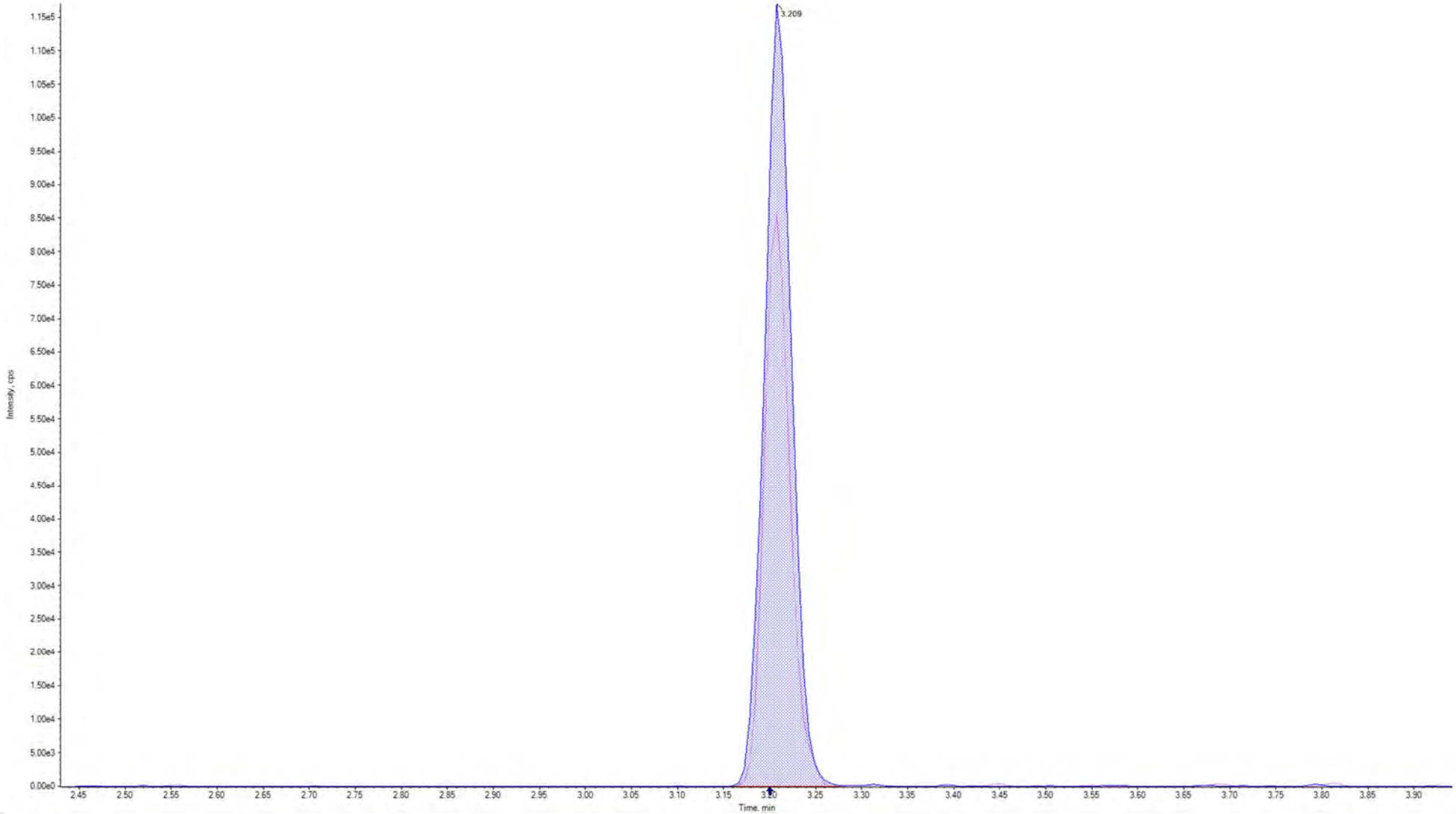
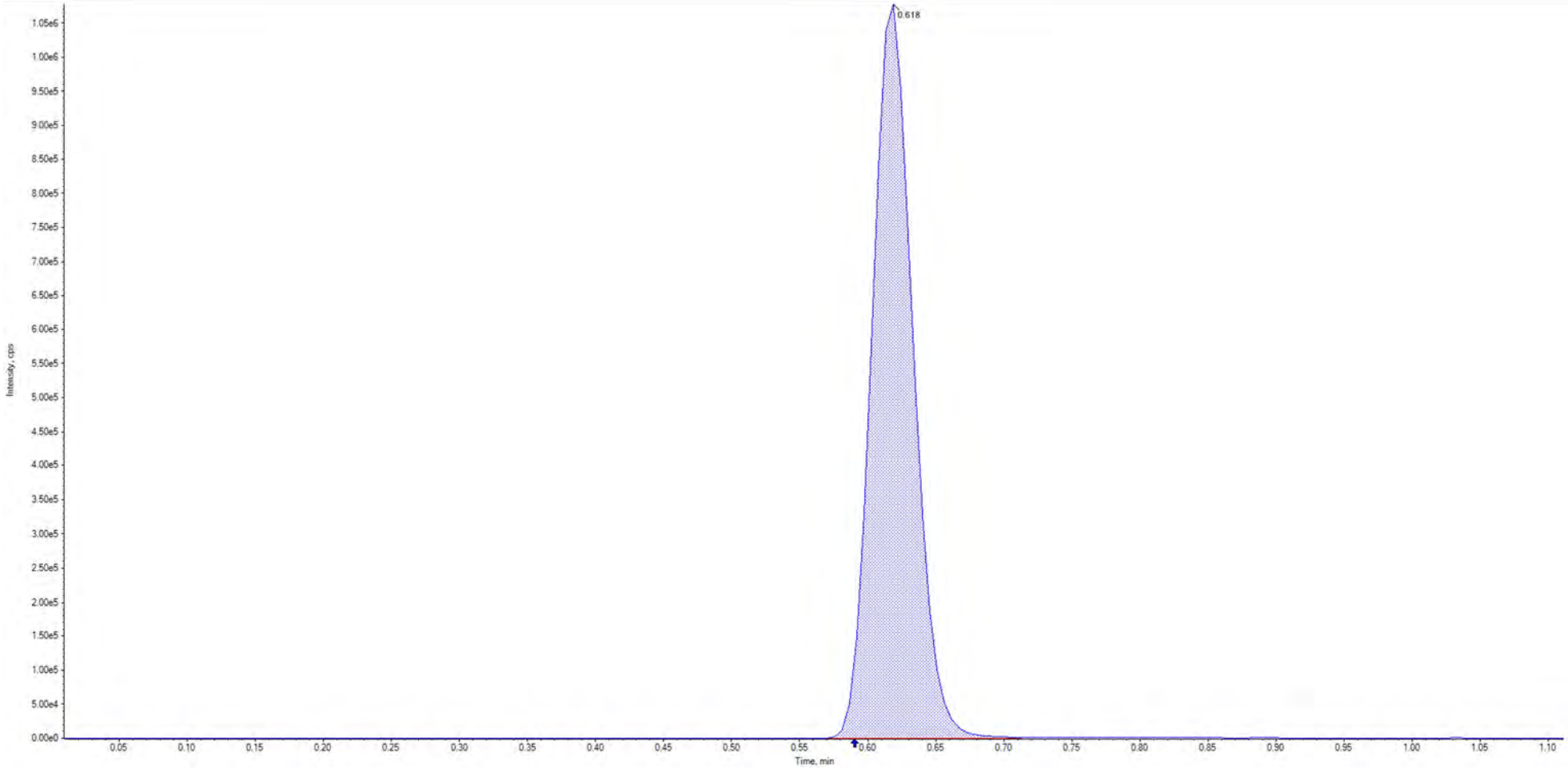
13C2-PFOA
Sample: IA1633STD-.2 S/N:1466.0 Points Across peak:27



13C4-PFBA
Sample: IA1633STD-.2



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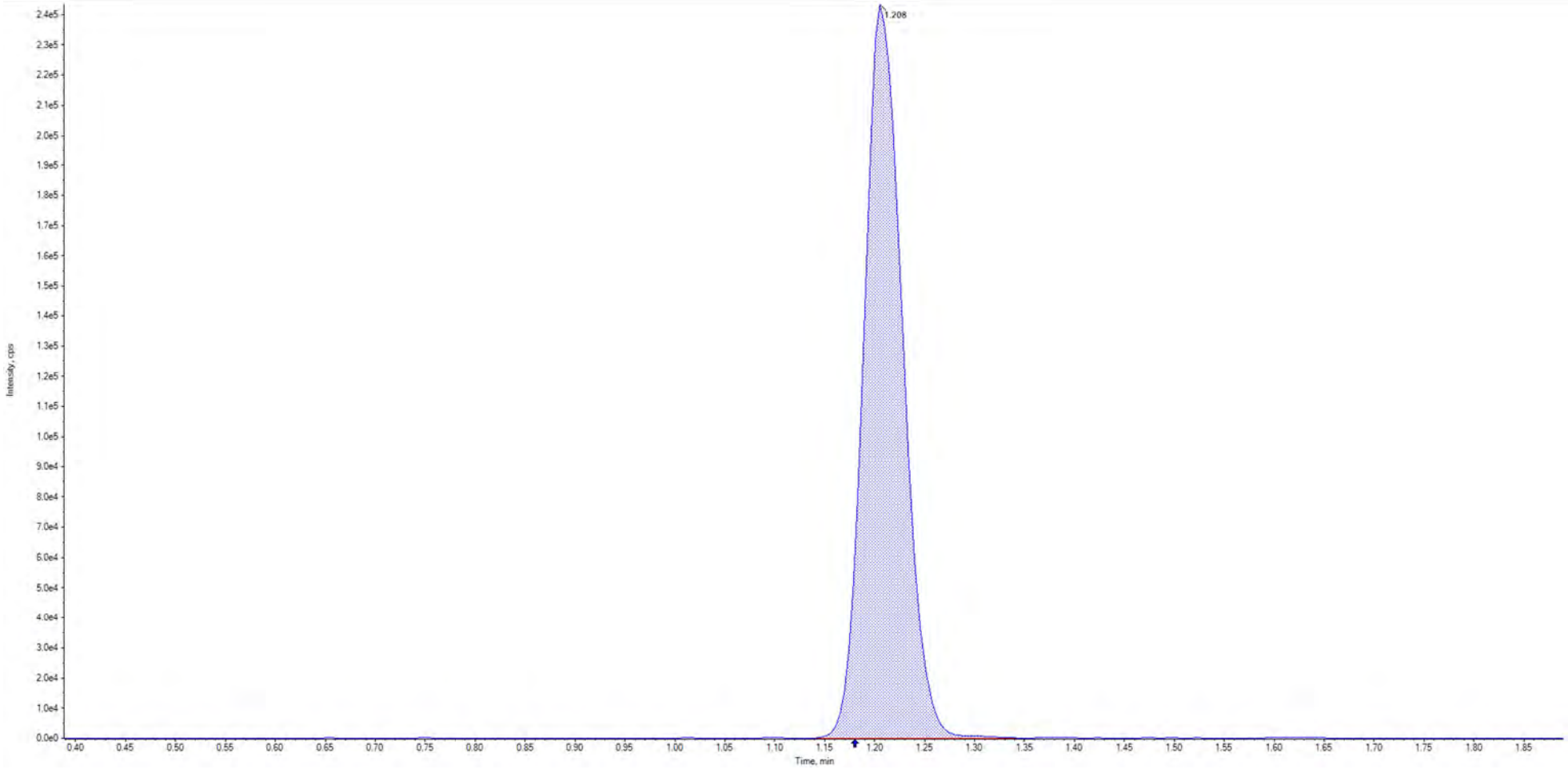
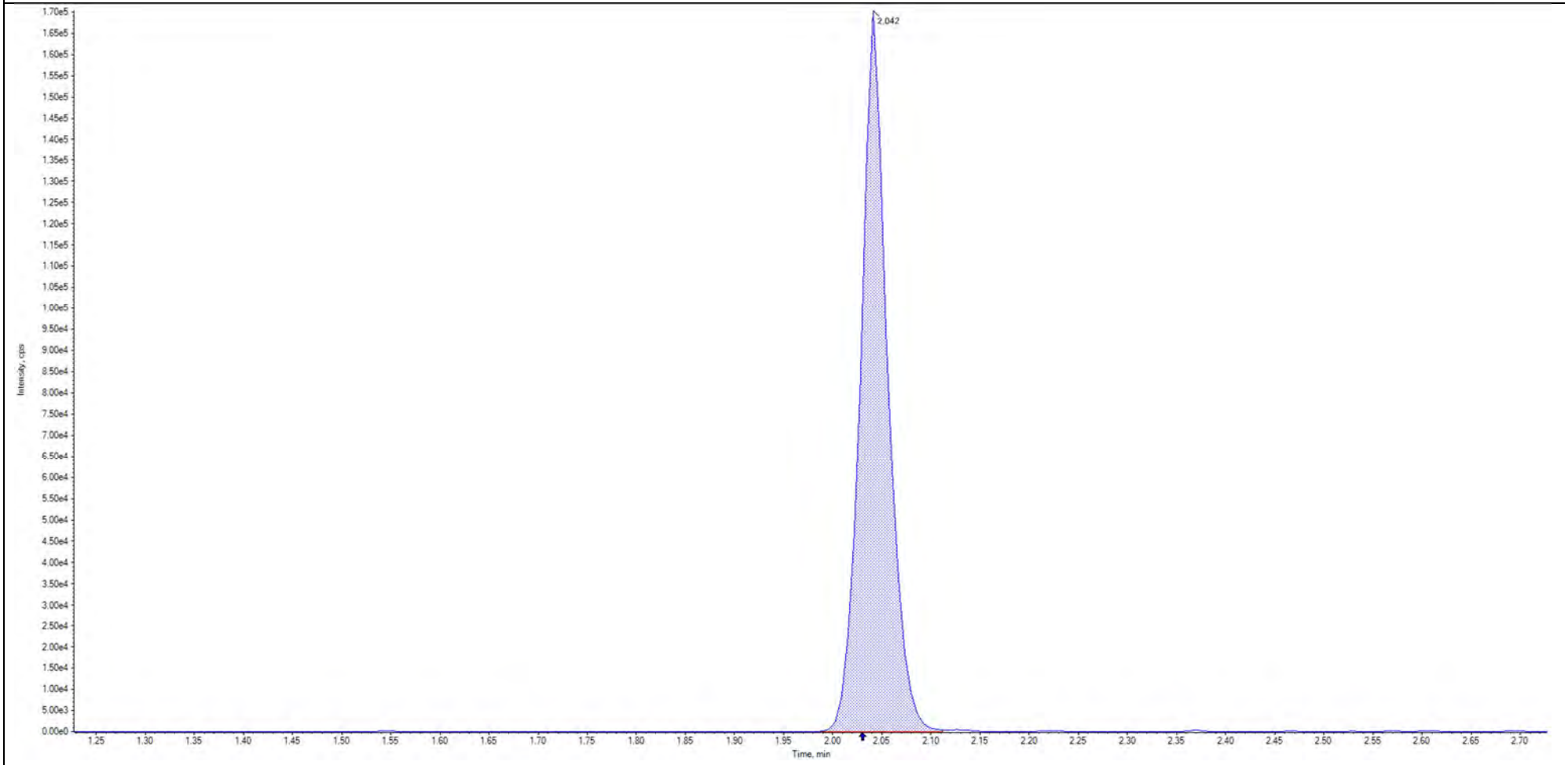
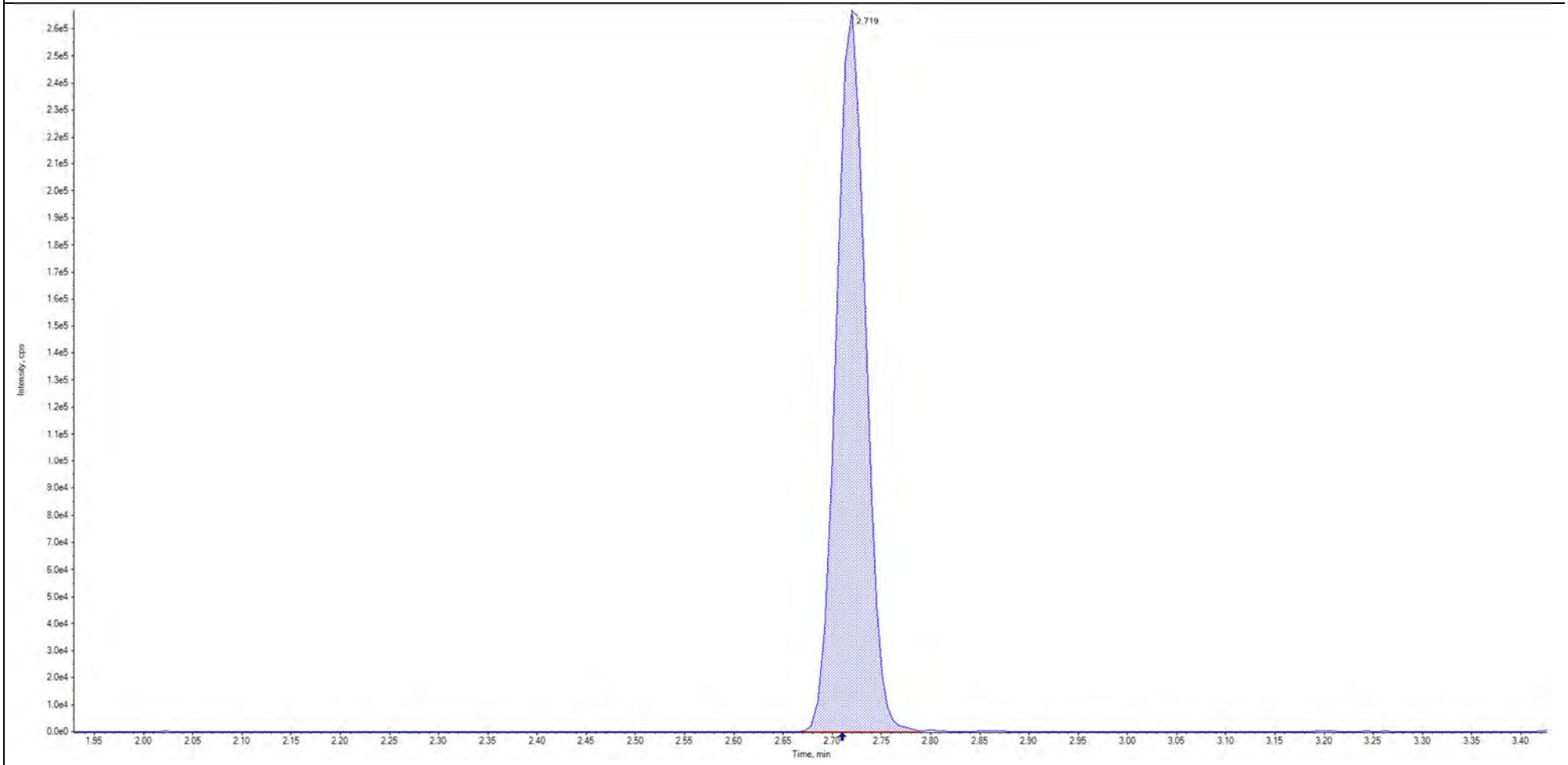
13C5-PFPeA
Sample: IA1633STD-.2



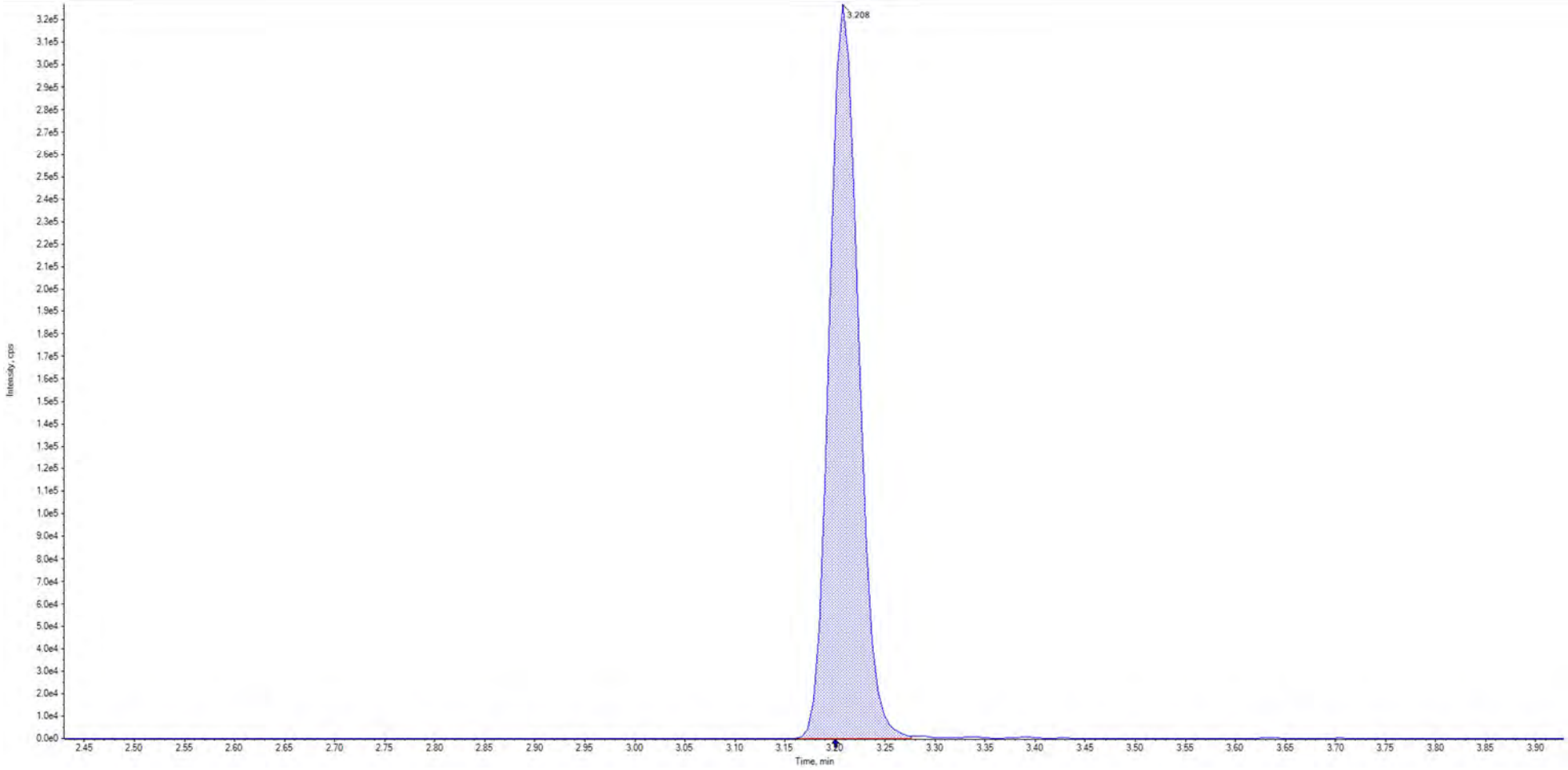
13C5-PFHxA
Sample: IA1633STD-.2



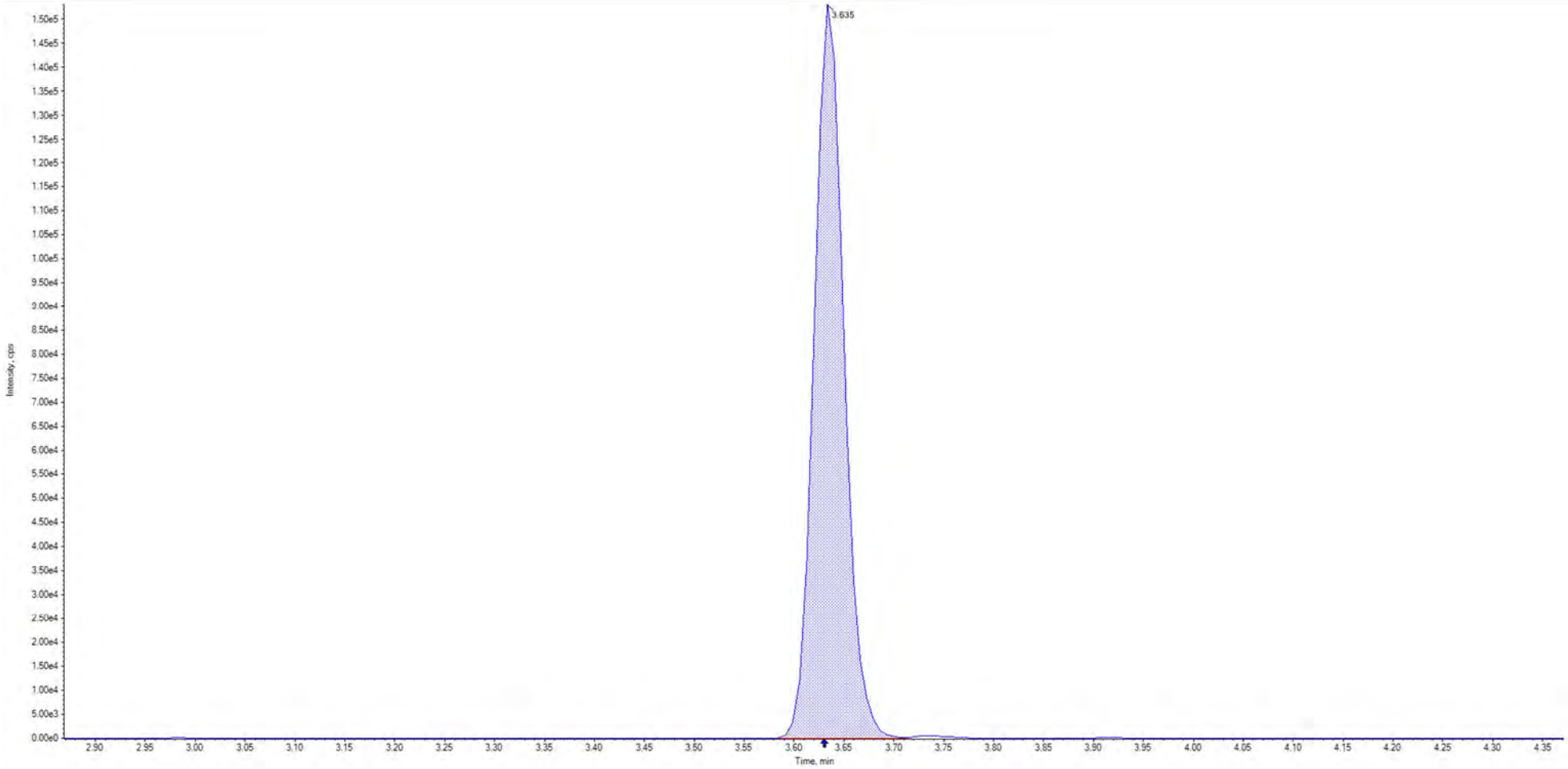
13C4-PFHpA
Sample: IA1633STD-.2



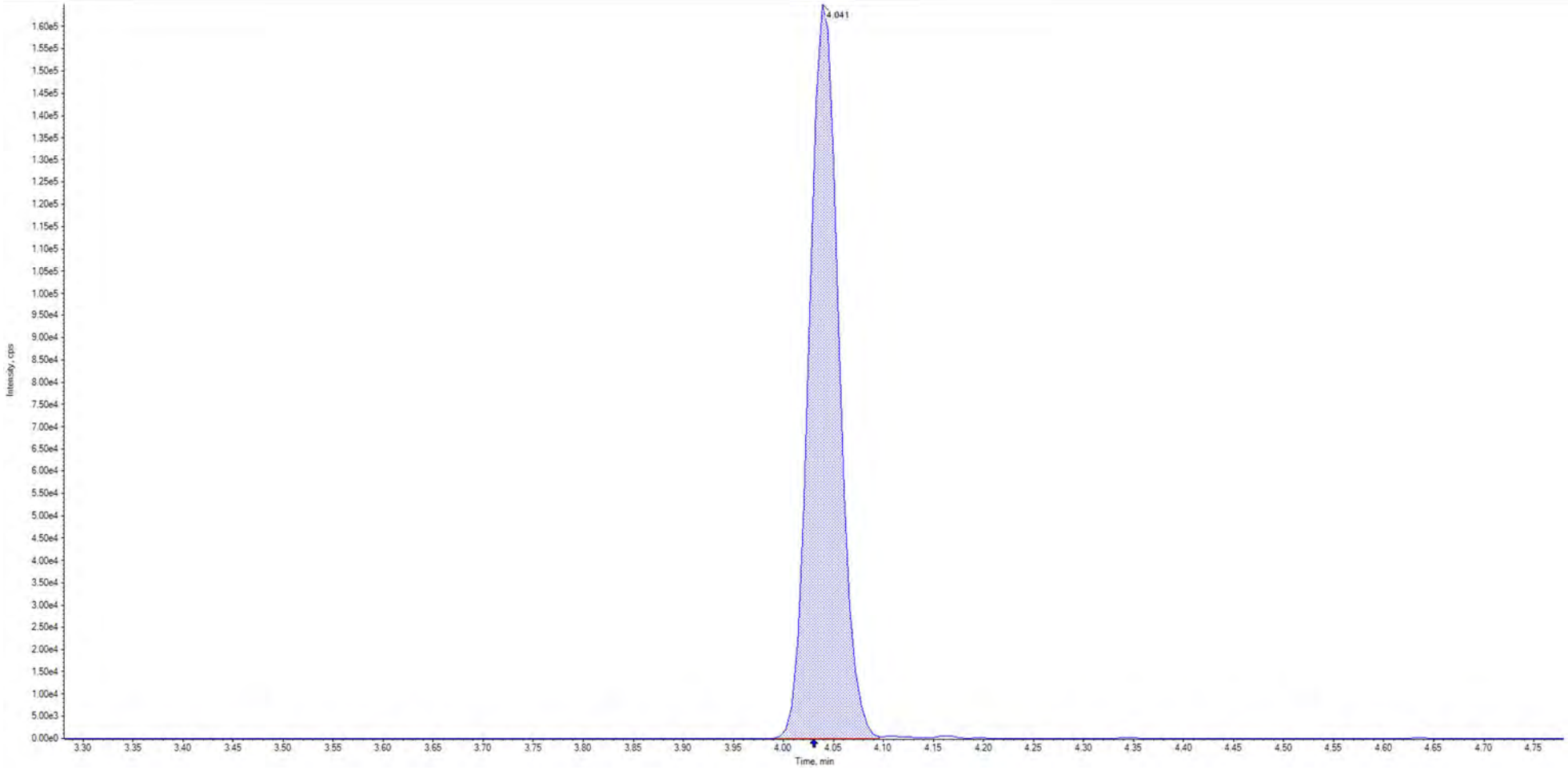
13C8-PFOA
Sample: IA1633STD-.2



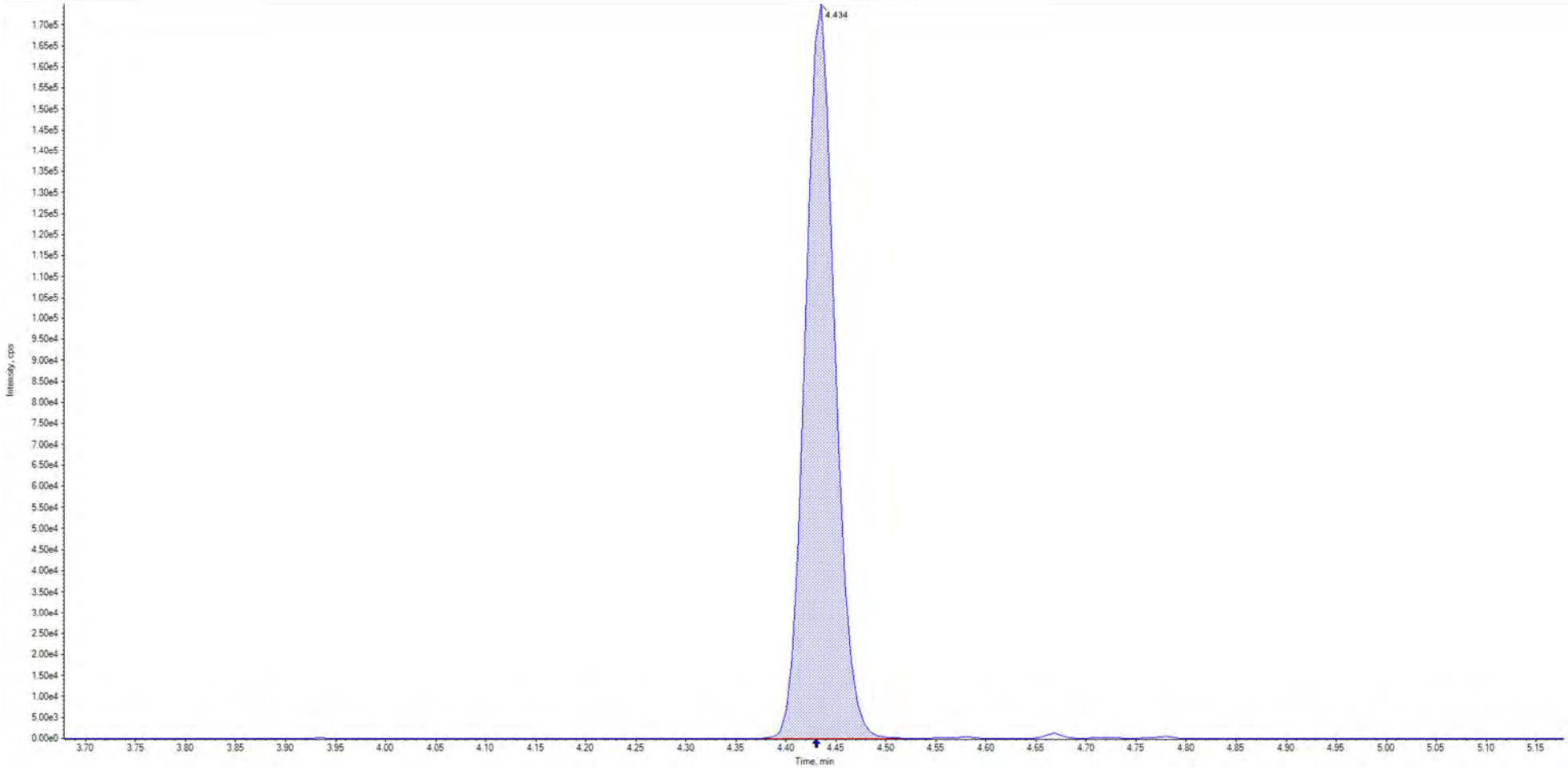
13C9-PFNA
Sample: IA1633STD-.2



13C6-PFDA
Sample: IA1633STD-.2



13C7-PFUnA
Sample: IA1633STD-.2



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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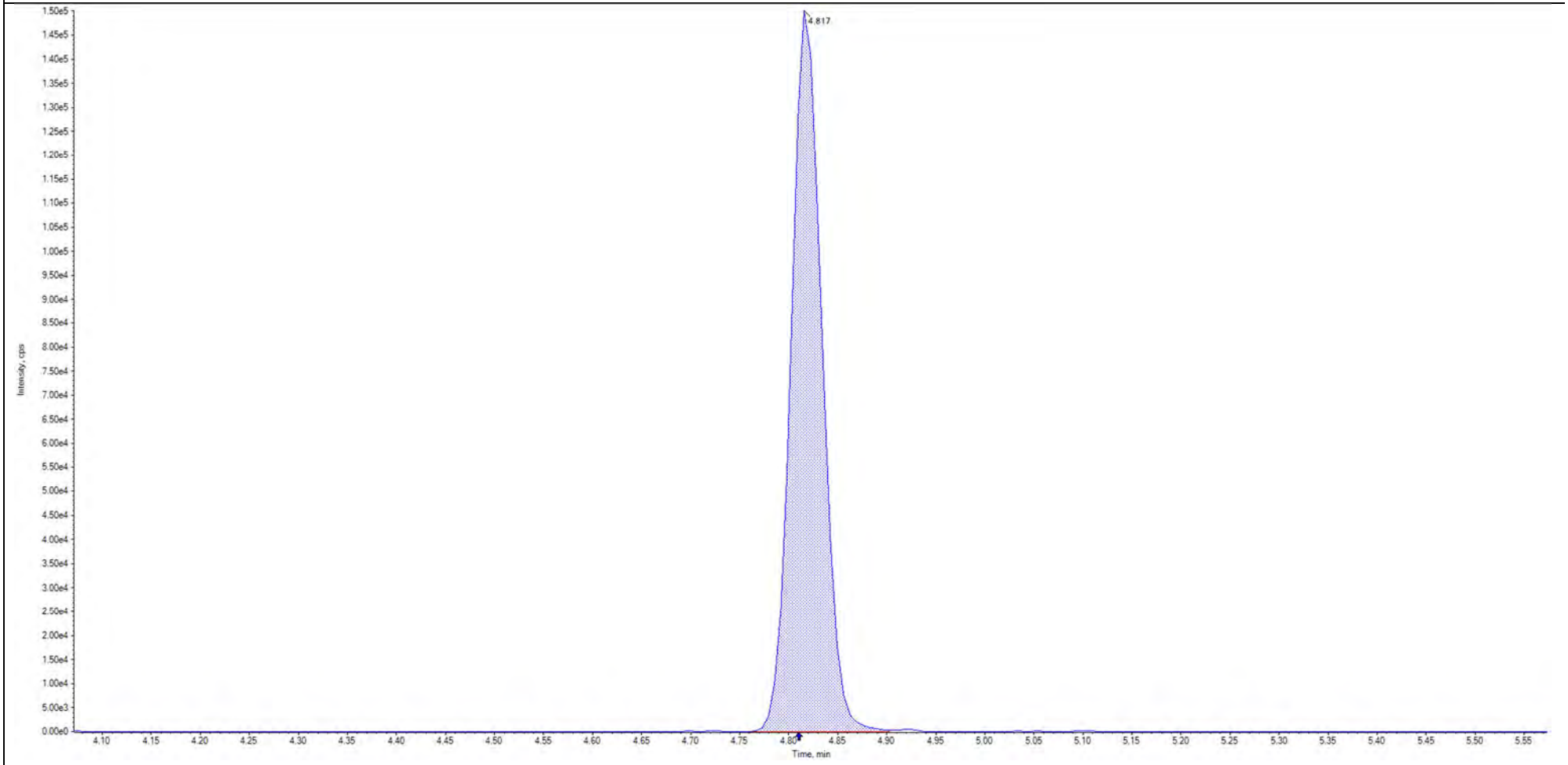
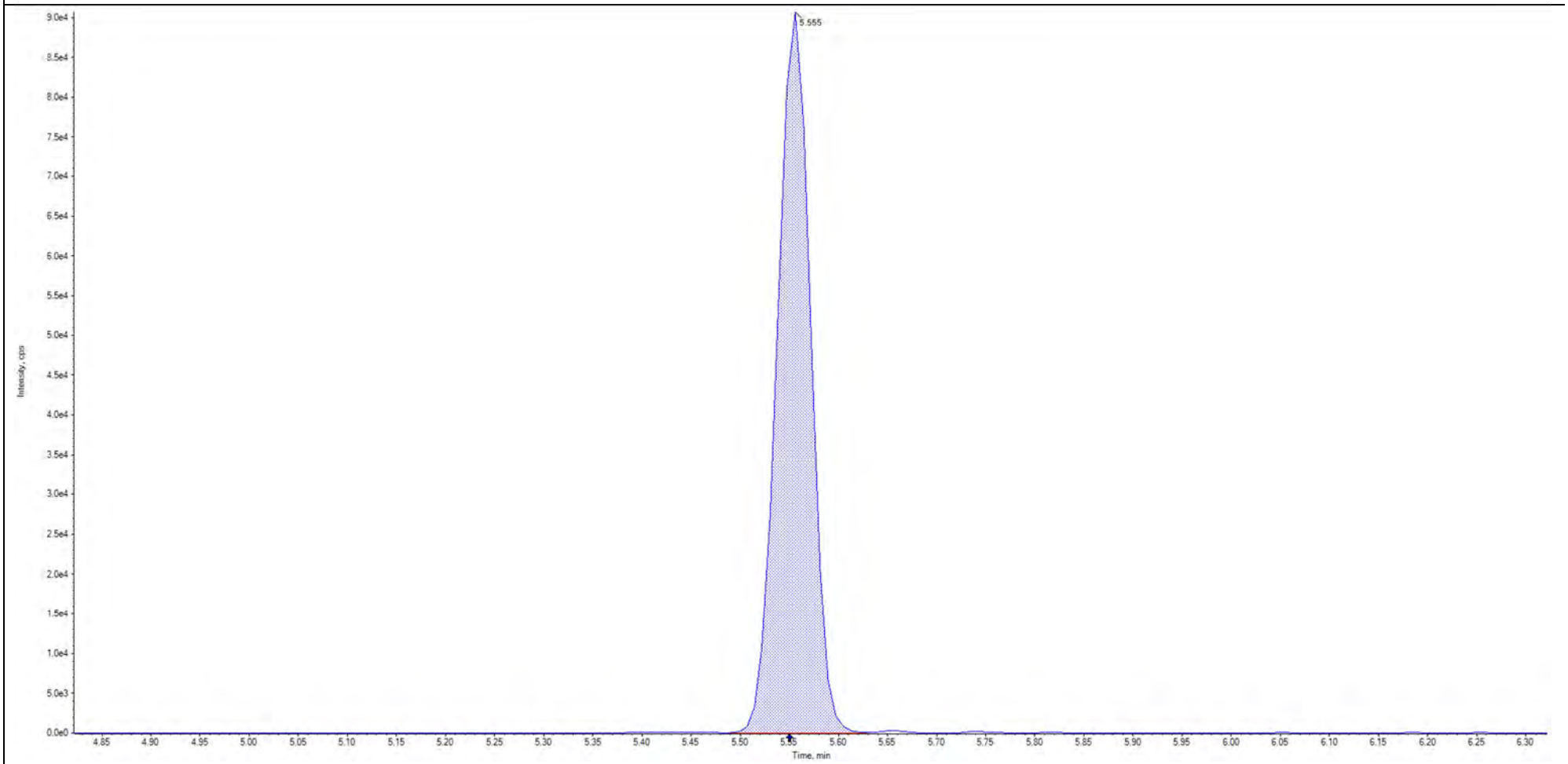
13C2-PFDoA
Sample: IA1633STD-.2



13C2-PFTeDA
Sample: IA1633STD-.2



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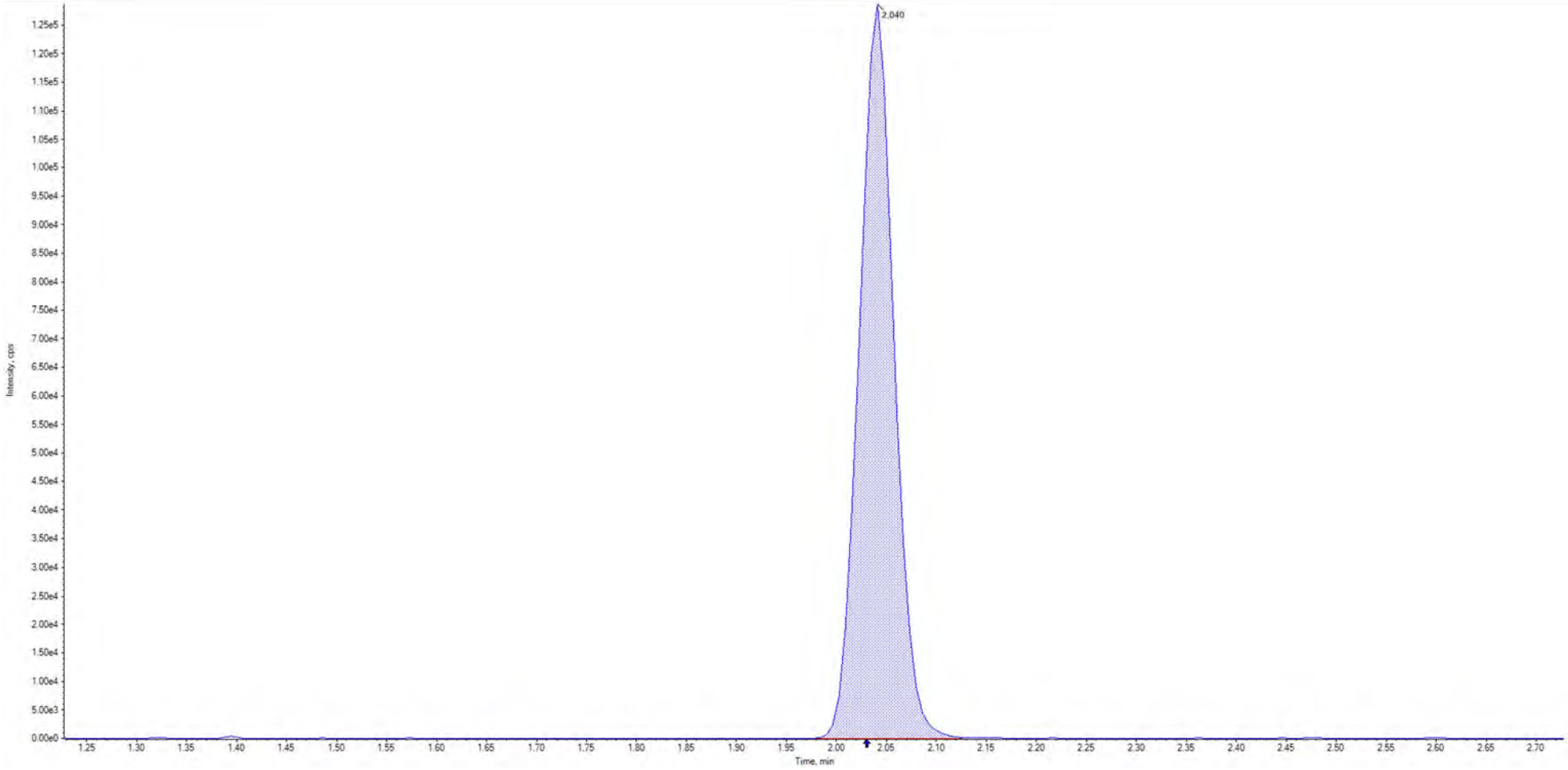
13C3-PFBS
Sample: IA1633STD-.2



13C3-PFHxS
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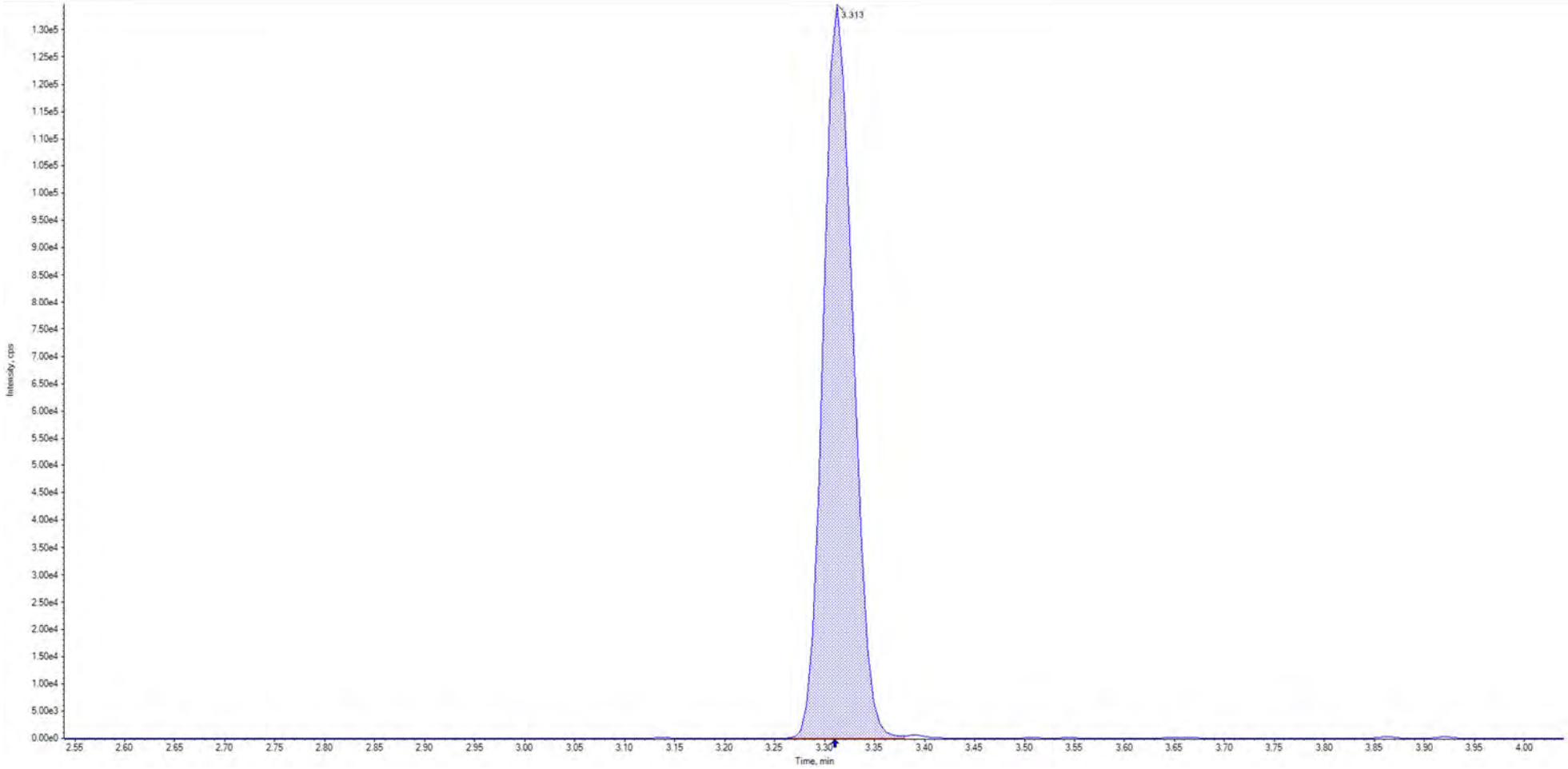

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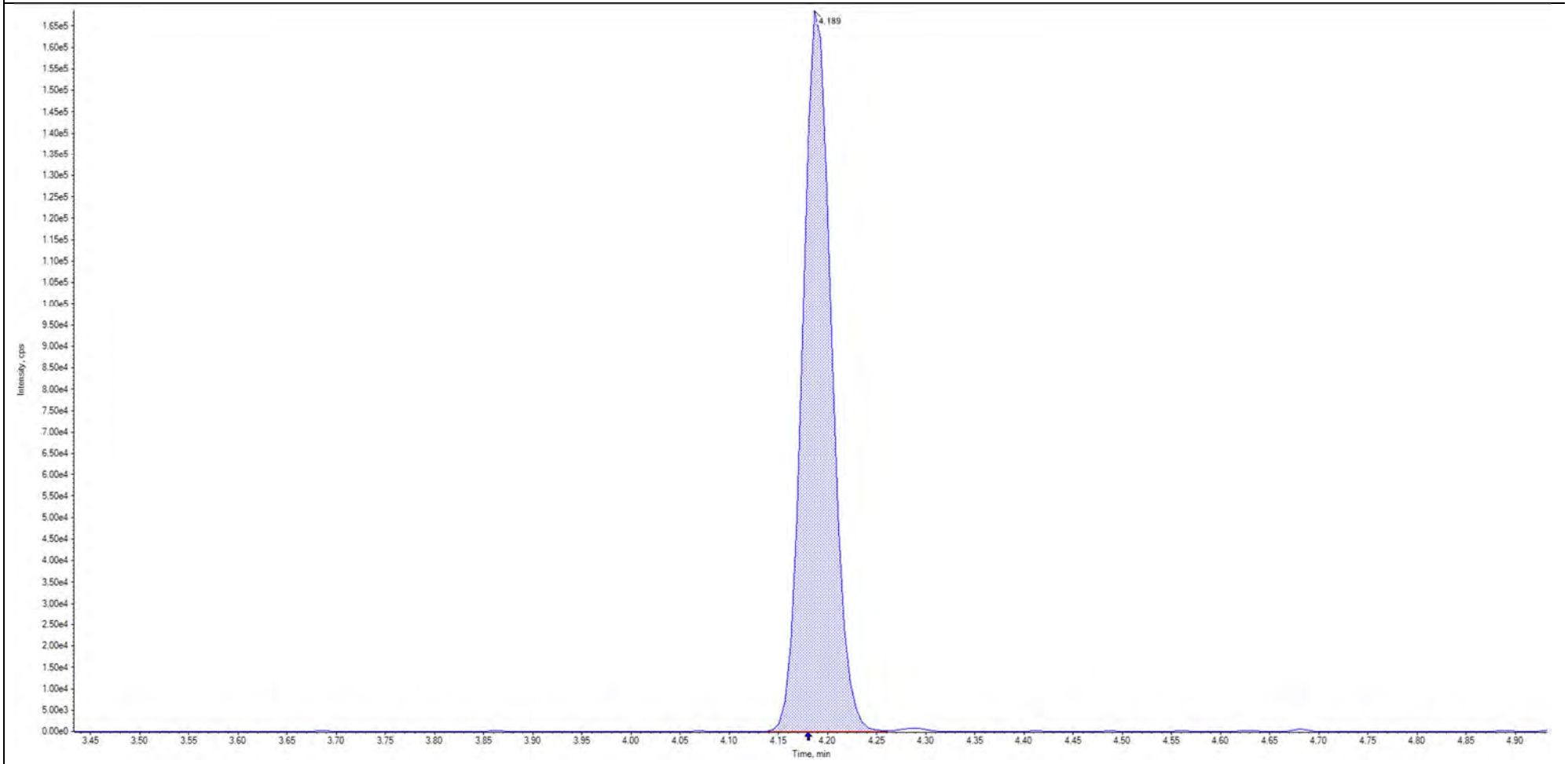
13C8-PFOS
Sample: IA1633STD-.2



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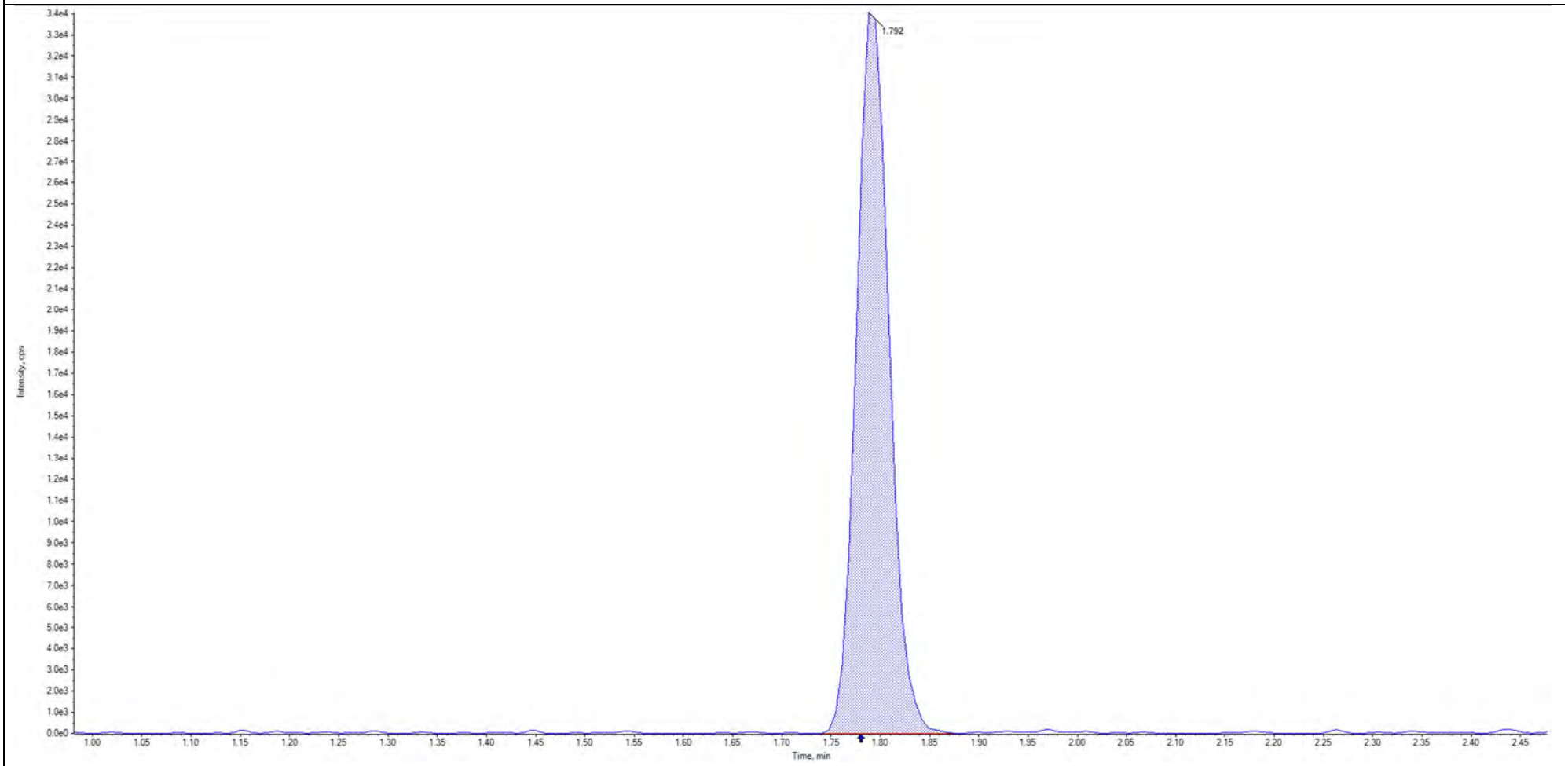
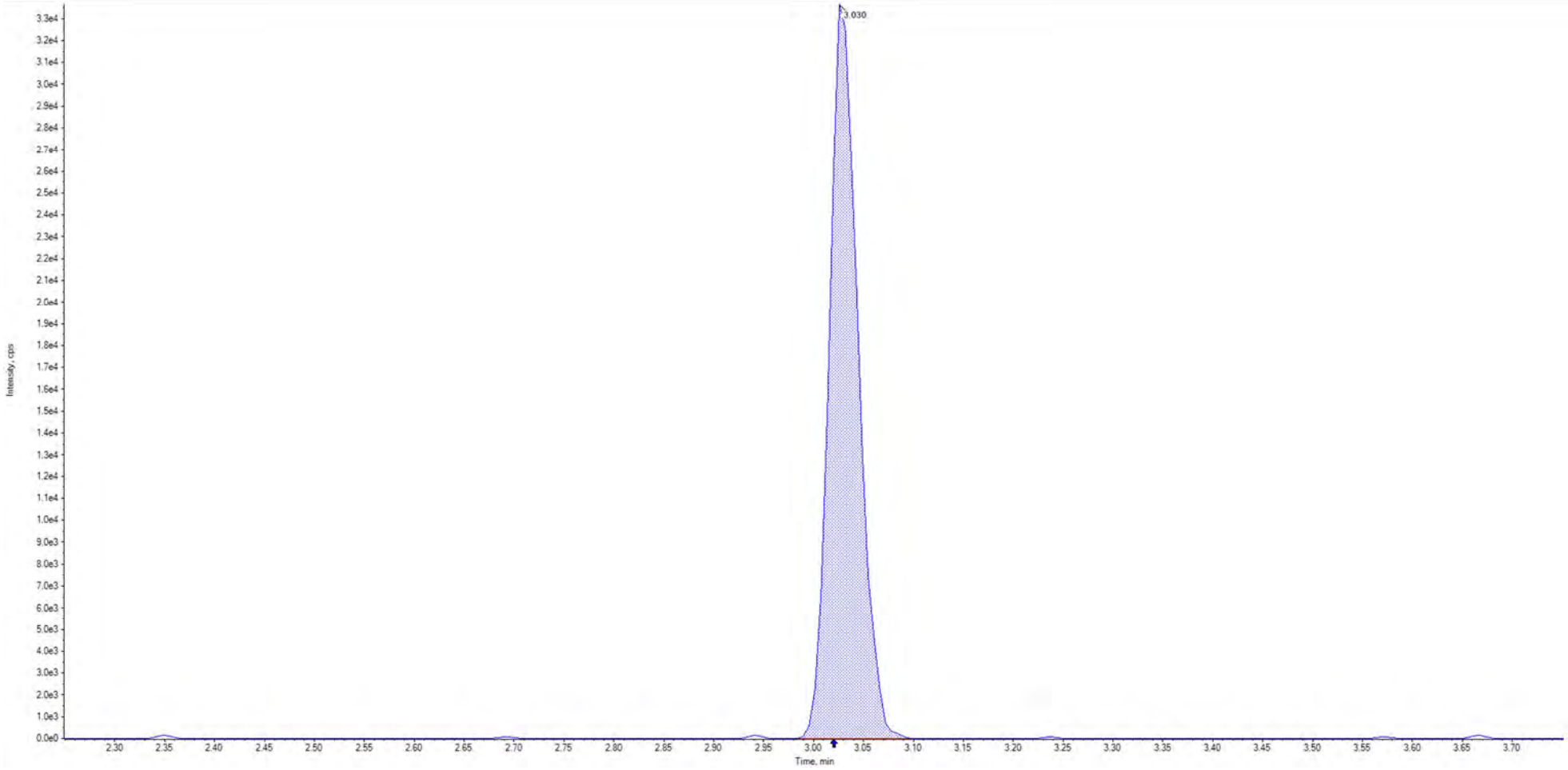
13C2-4:2FTS
Sample: IA1633STD-.2



13C2-6:2FTS
Sample: IA1633STD-.2



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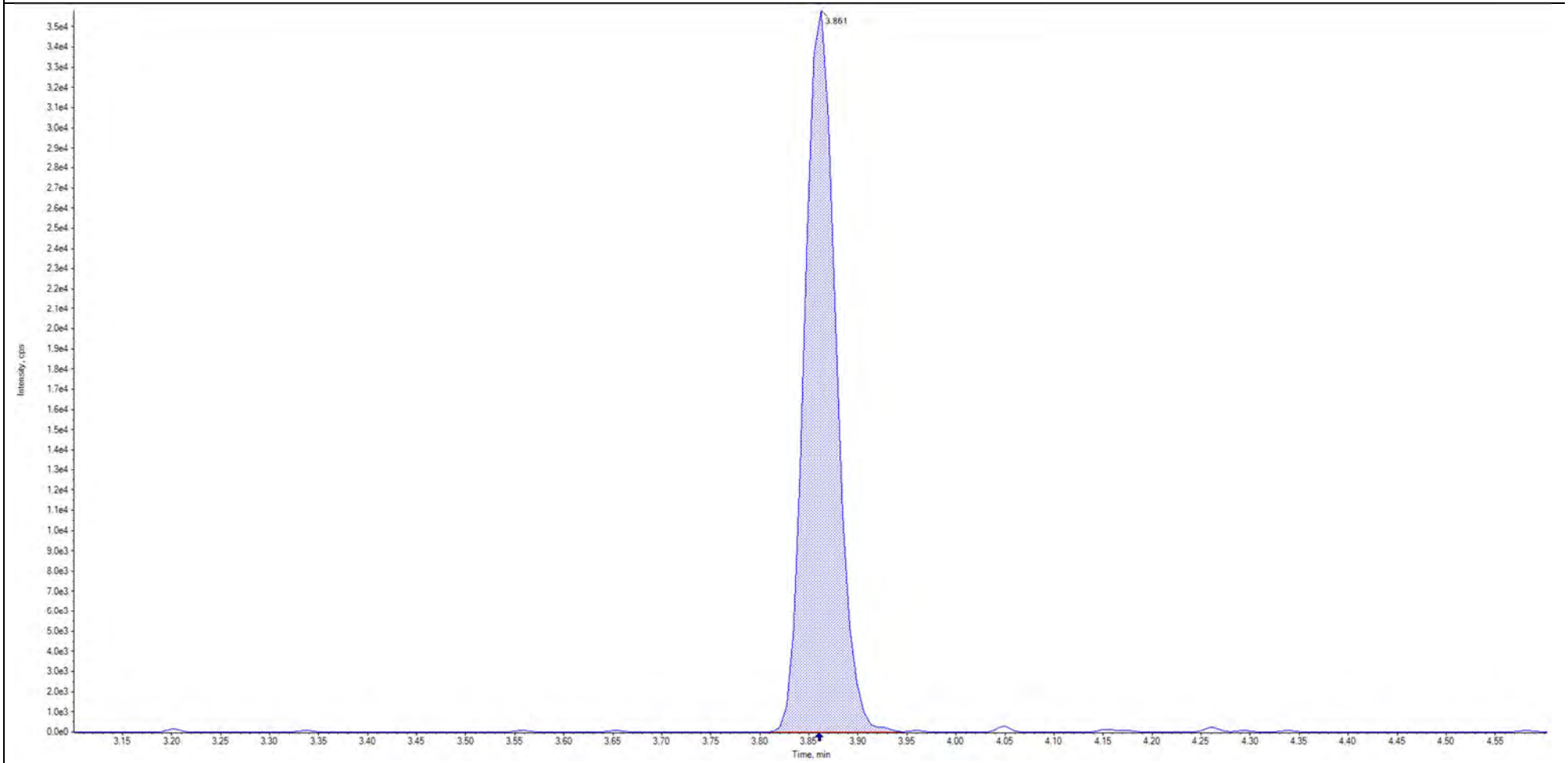
13C2-8:2FTS
Sample: IA1633STD-.2



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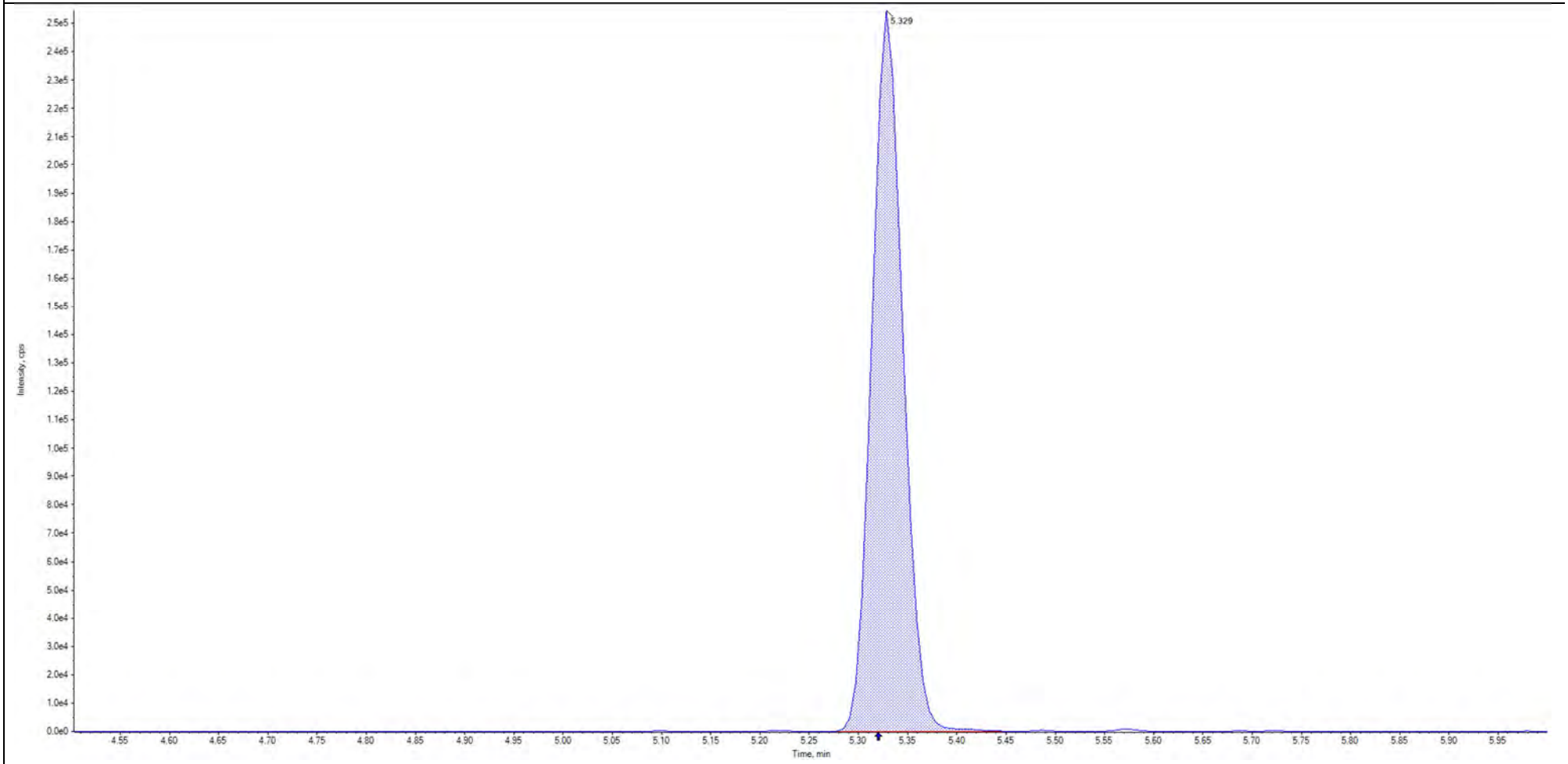
13C8-PFOSA
Sample: IA1633STD-.2



d3-NMeFOSA
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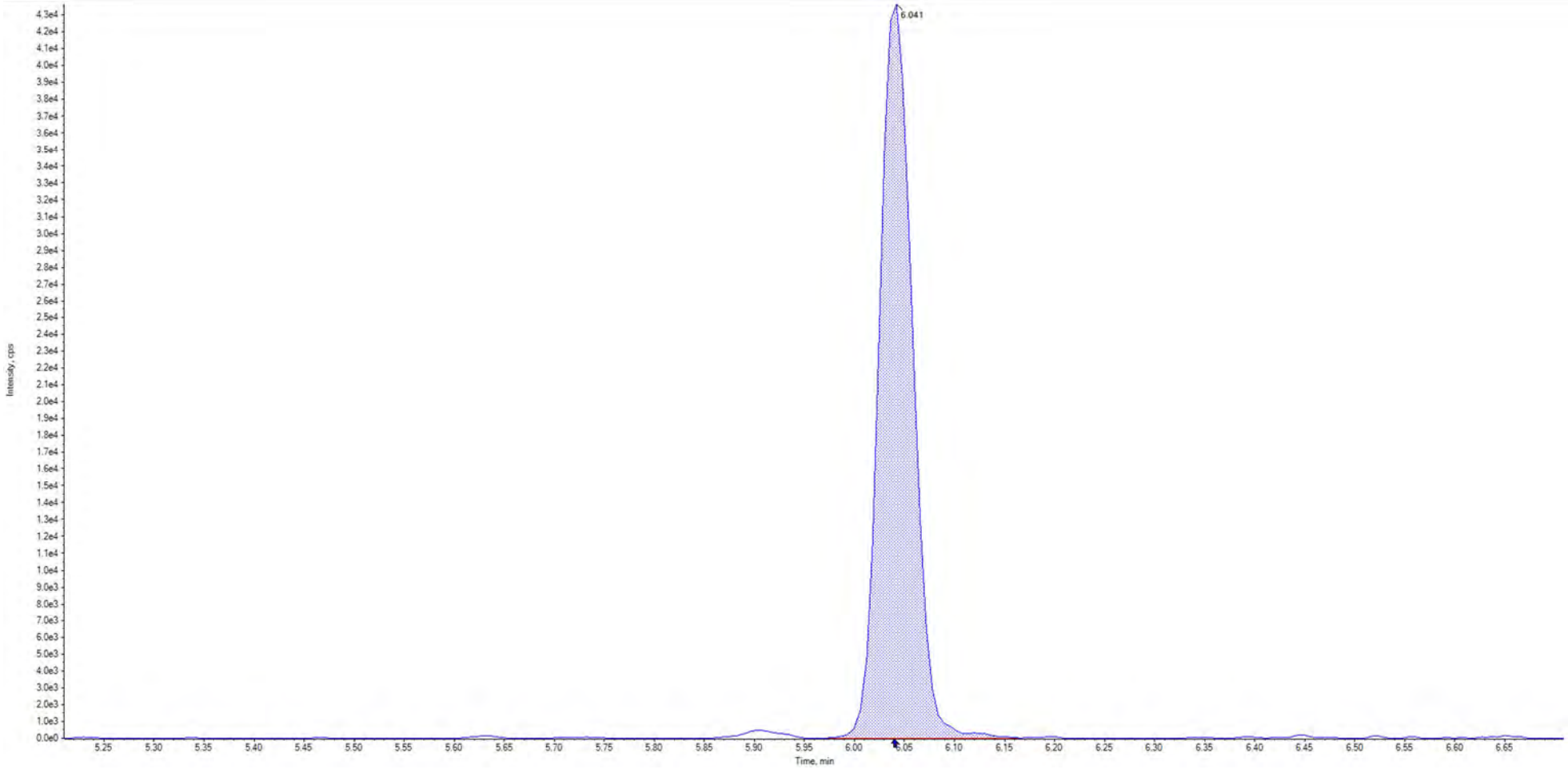

d5-NEtFOSA
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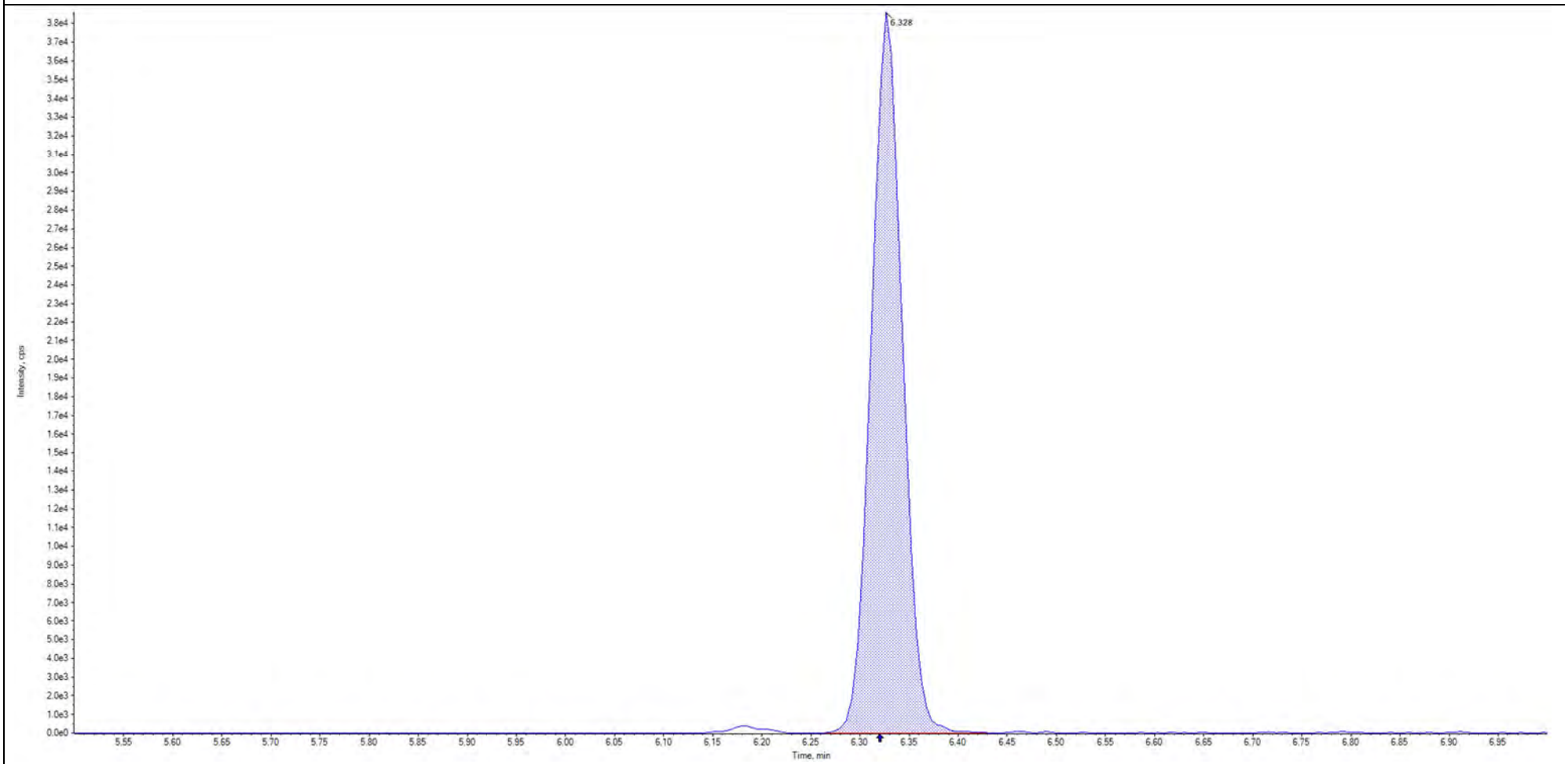

d3-NMeFOSAA
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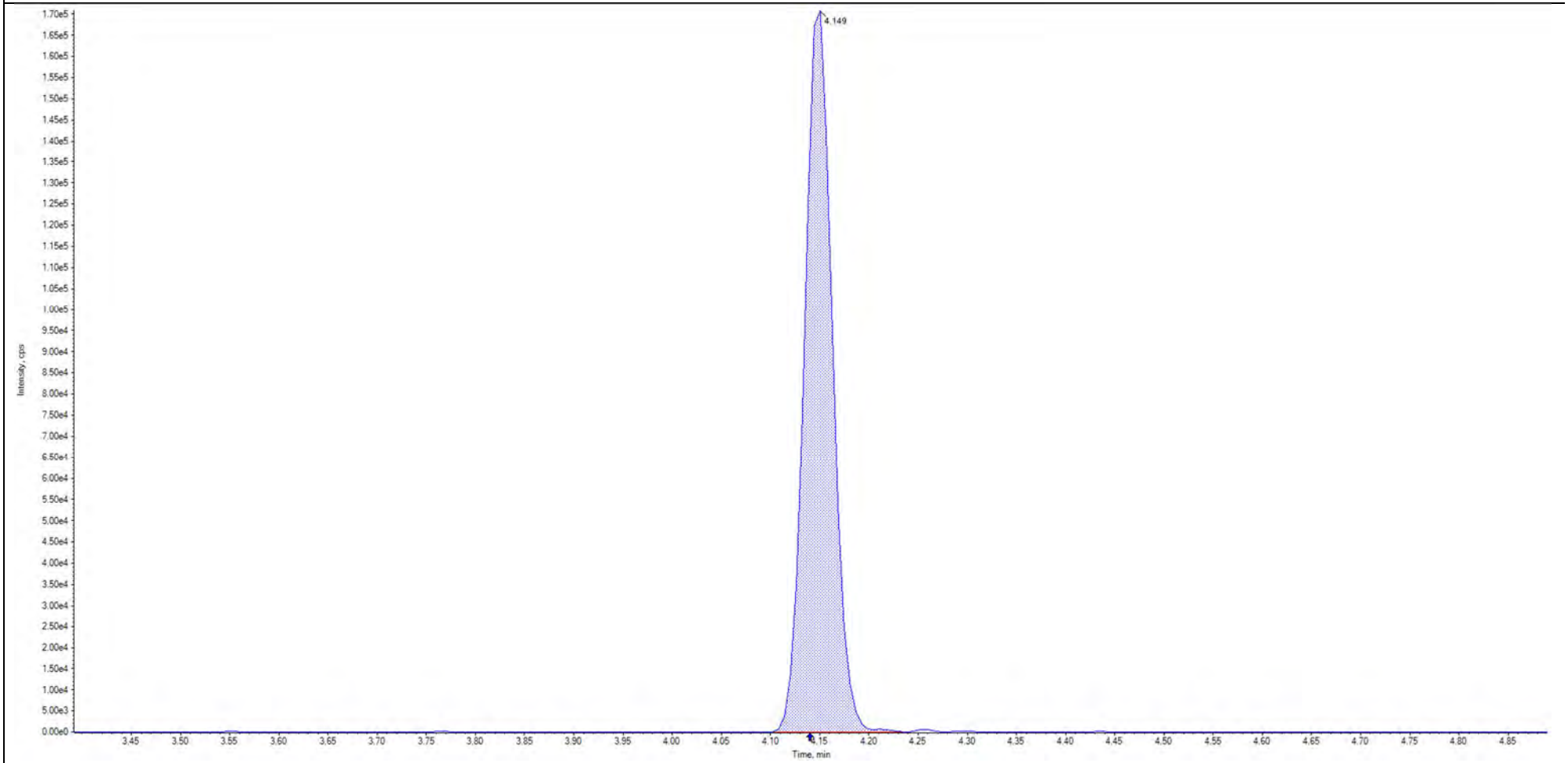

d5-NEtFOSAA
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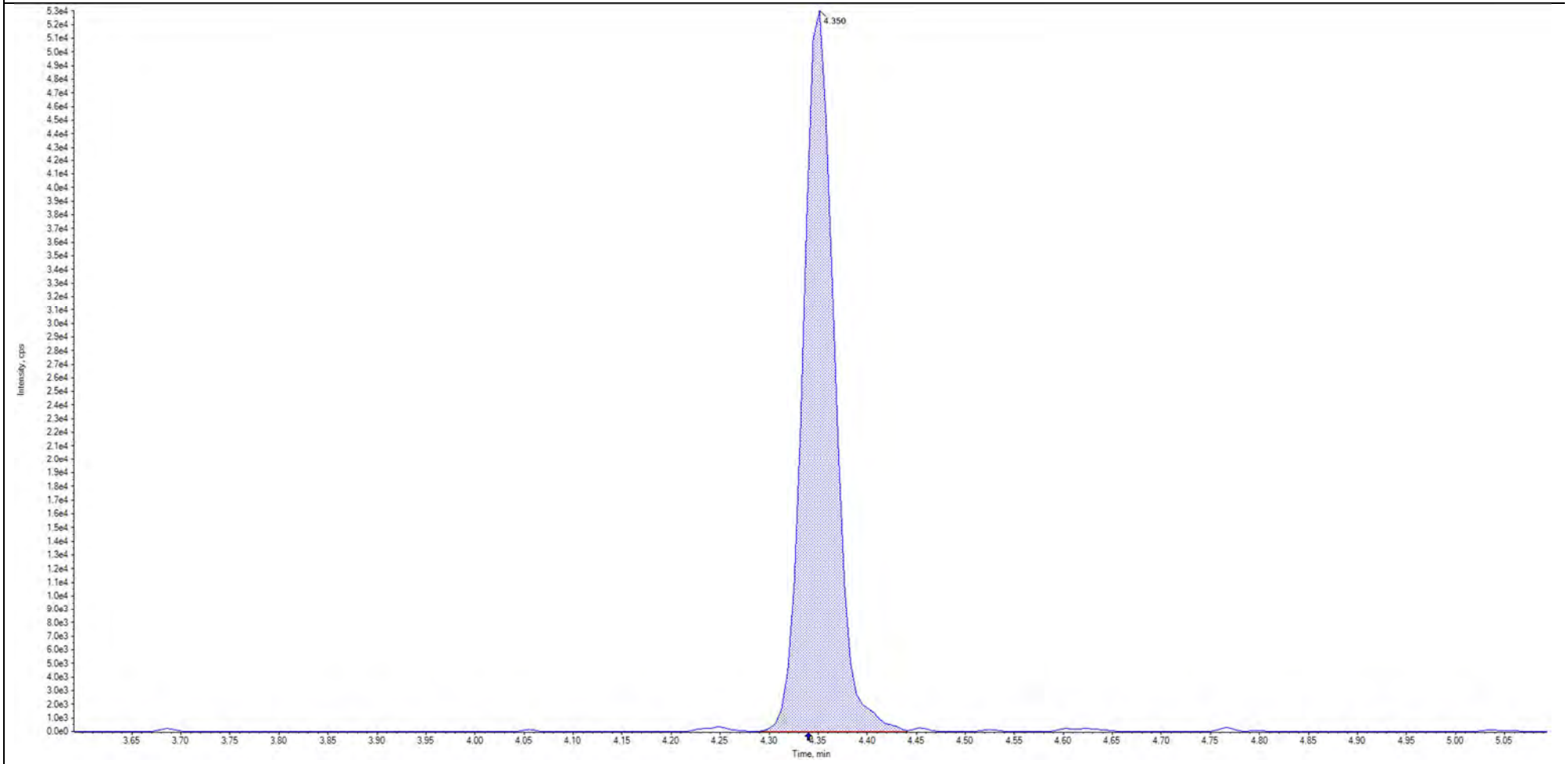
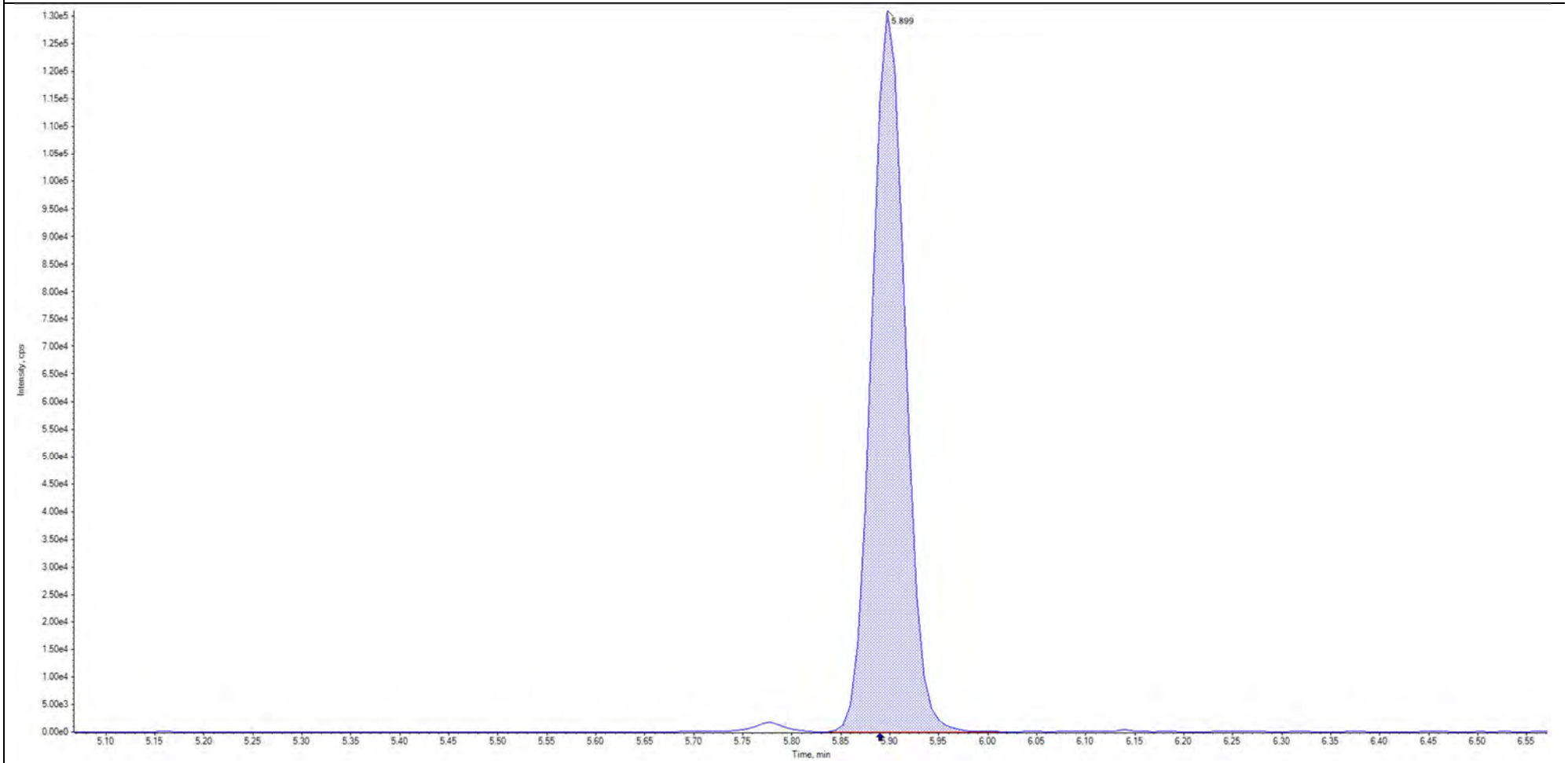
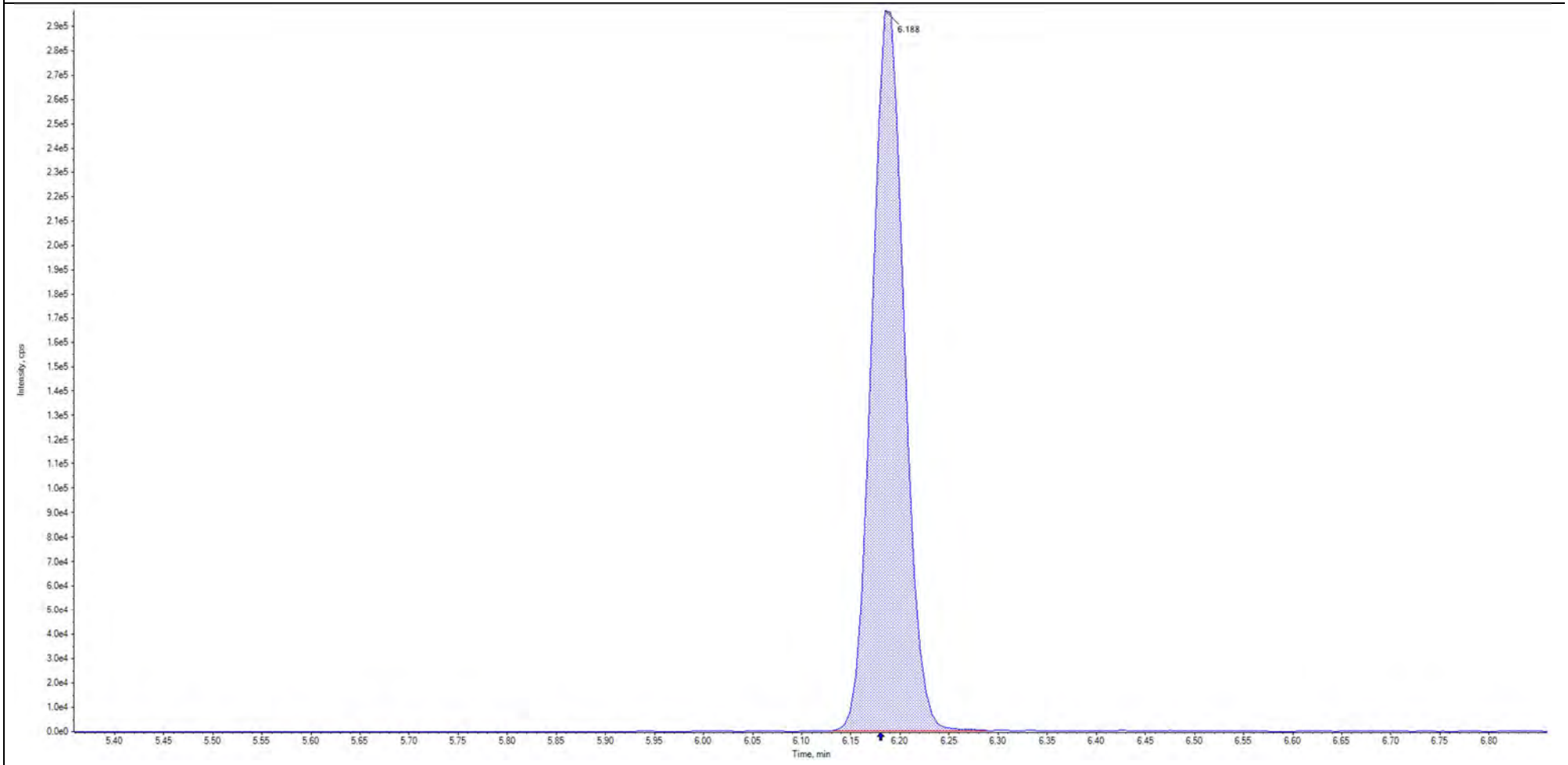


d7-NMeFOSE
Sample: IA1633STD-.2



d9-NEtFOSE
Sample: IA1633STD-.2



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Alpha Analytical LLC
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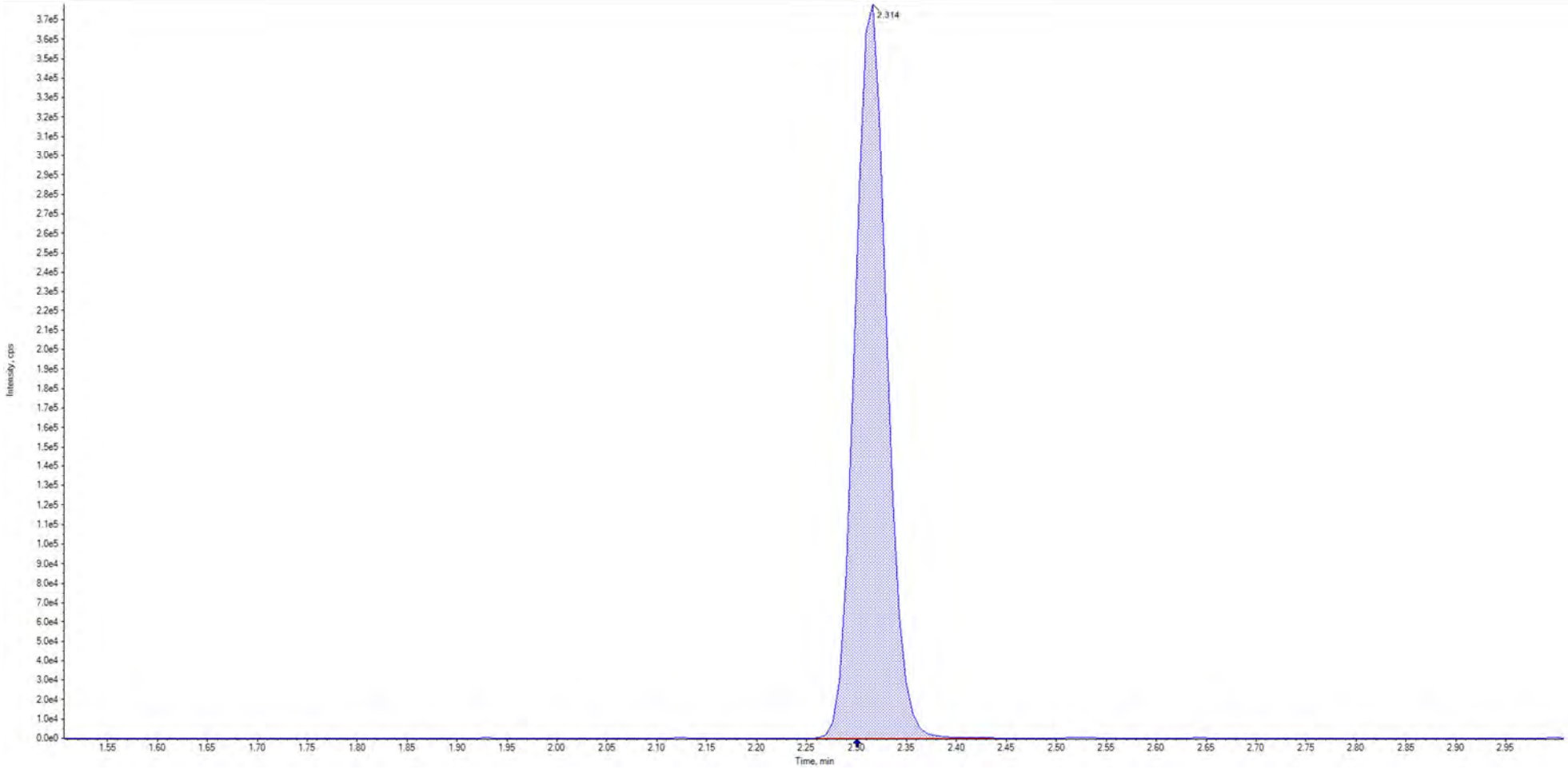
13C3-HFPO-DA
Sample: IA1633STD-.2



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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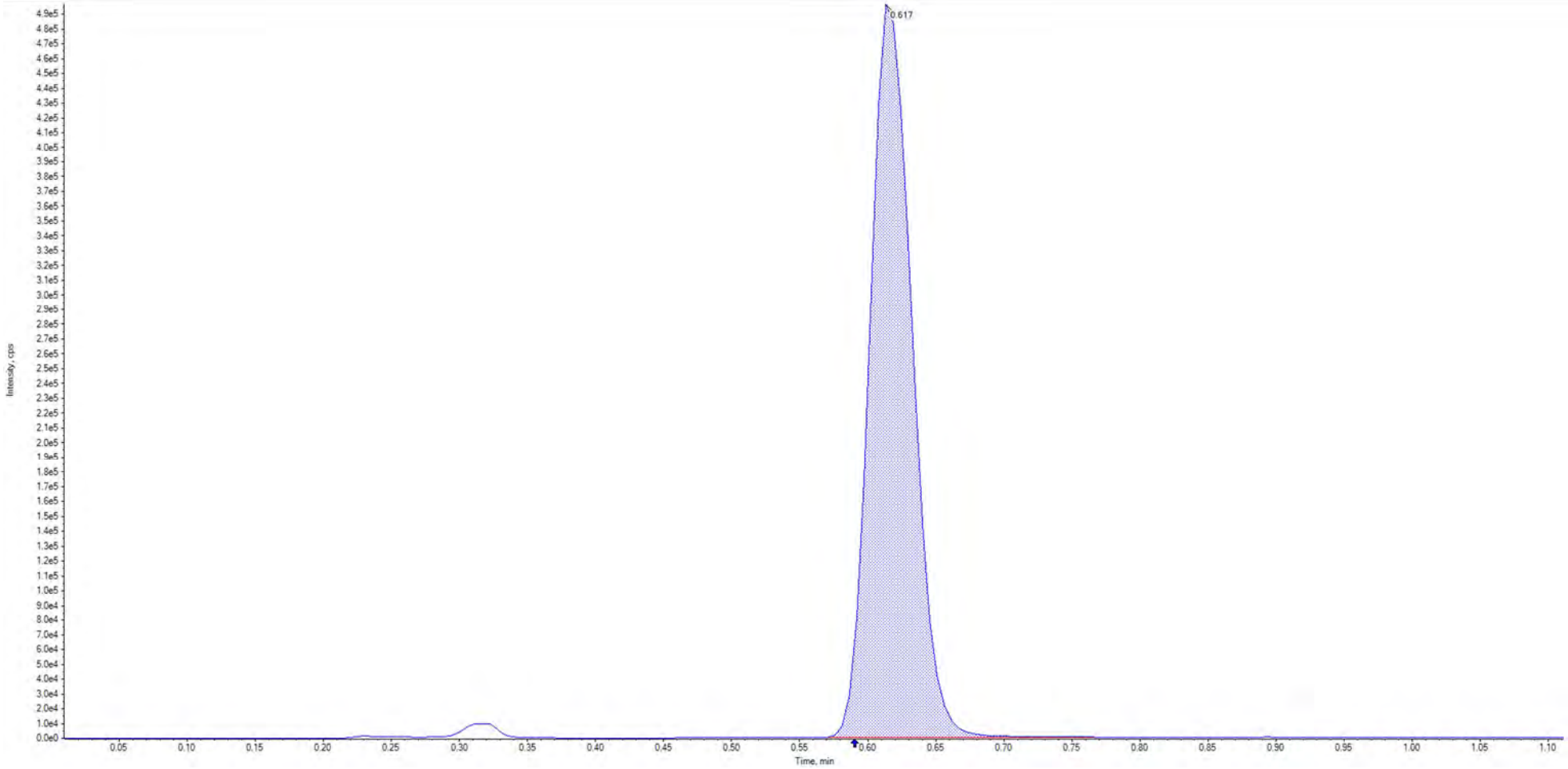
13C3-PFBA
Sample: IA1633STD-.2



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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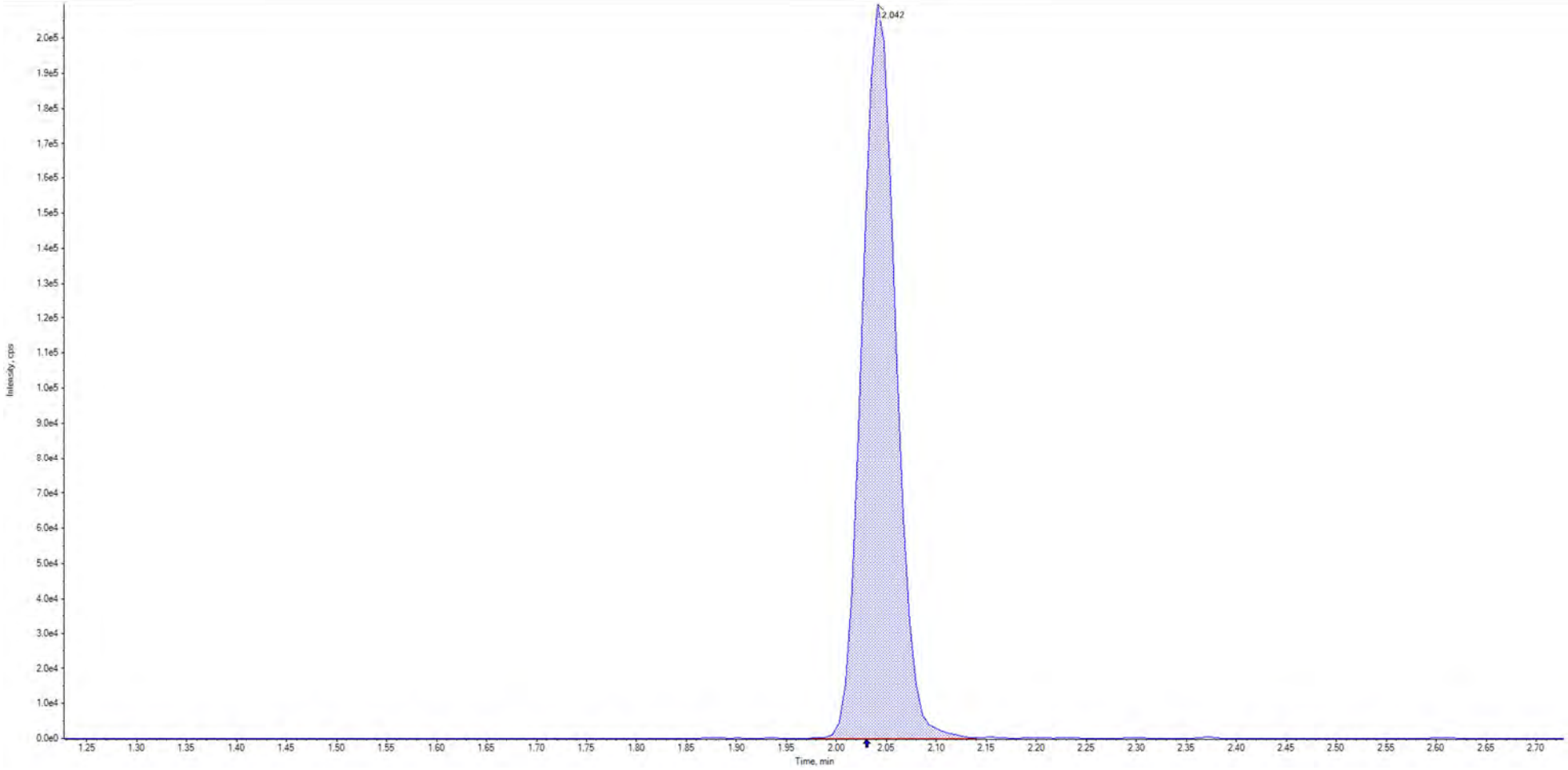
13C2-PFHxA
Sample: IA1633STD-.2



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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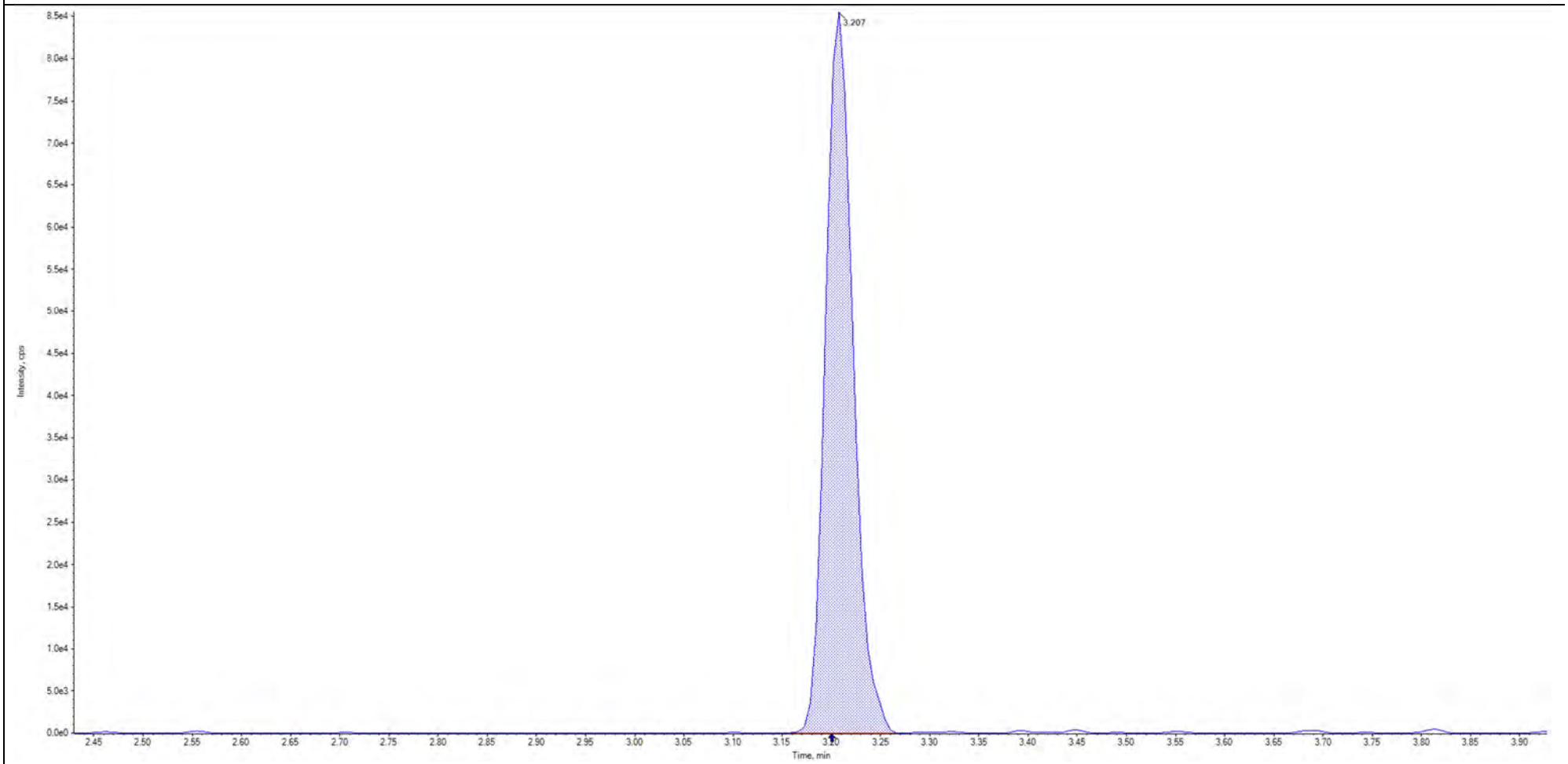
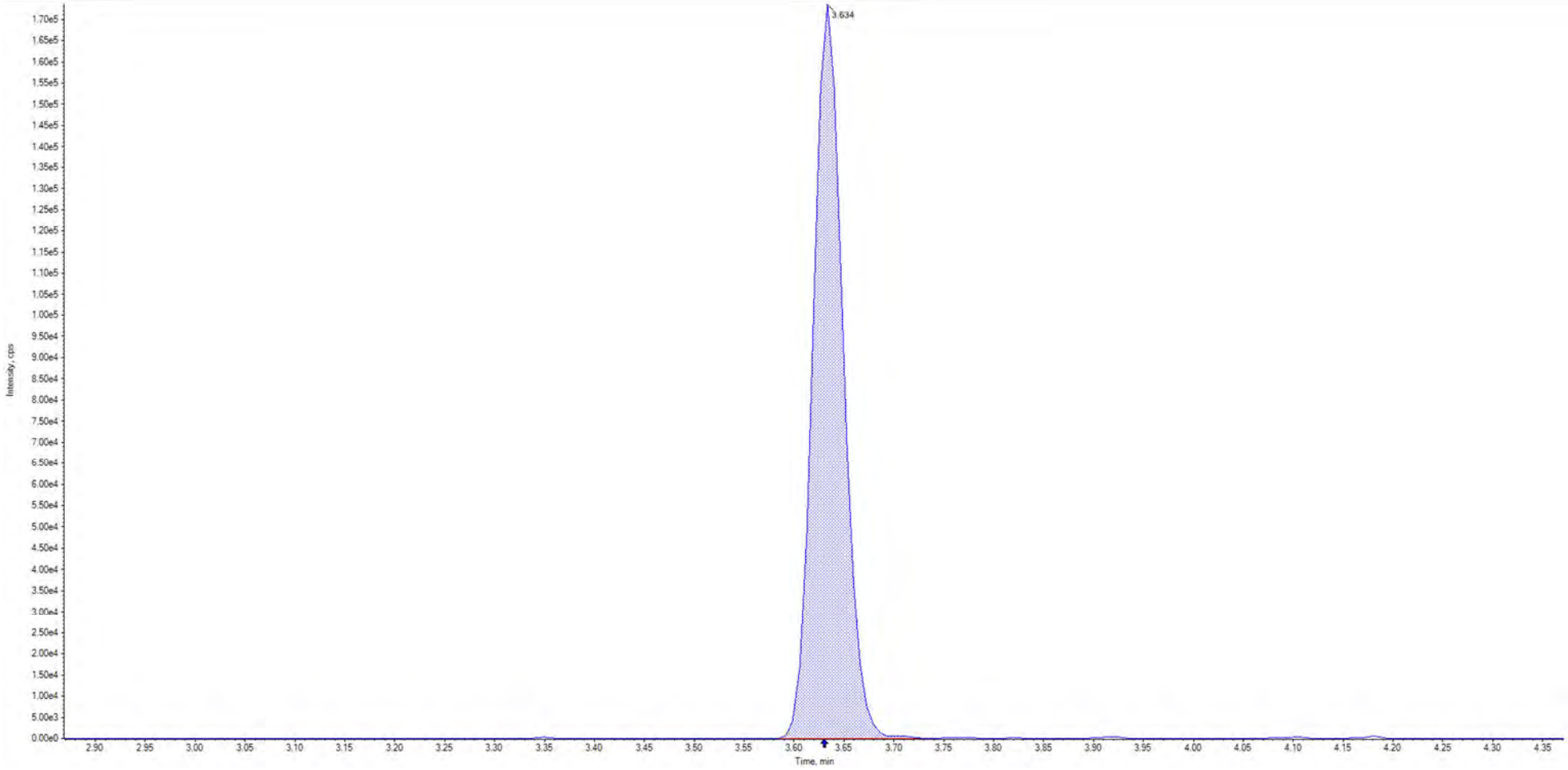
13C4-PFOA
Sample: IA1633STD-.2



13C5-PFNA
Sample: IA1633STD-.2



13C2-PFDA
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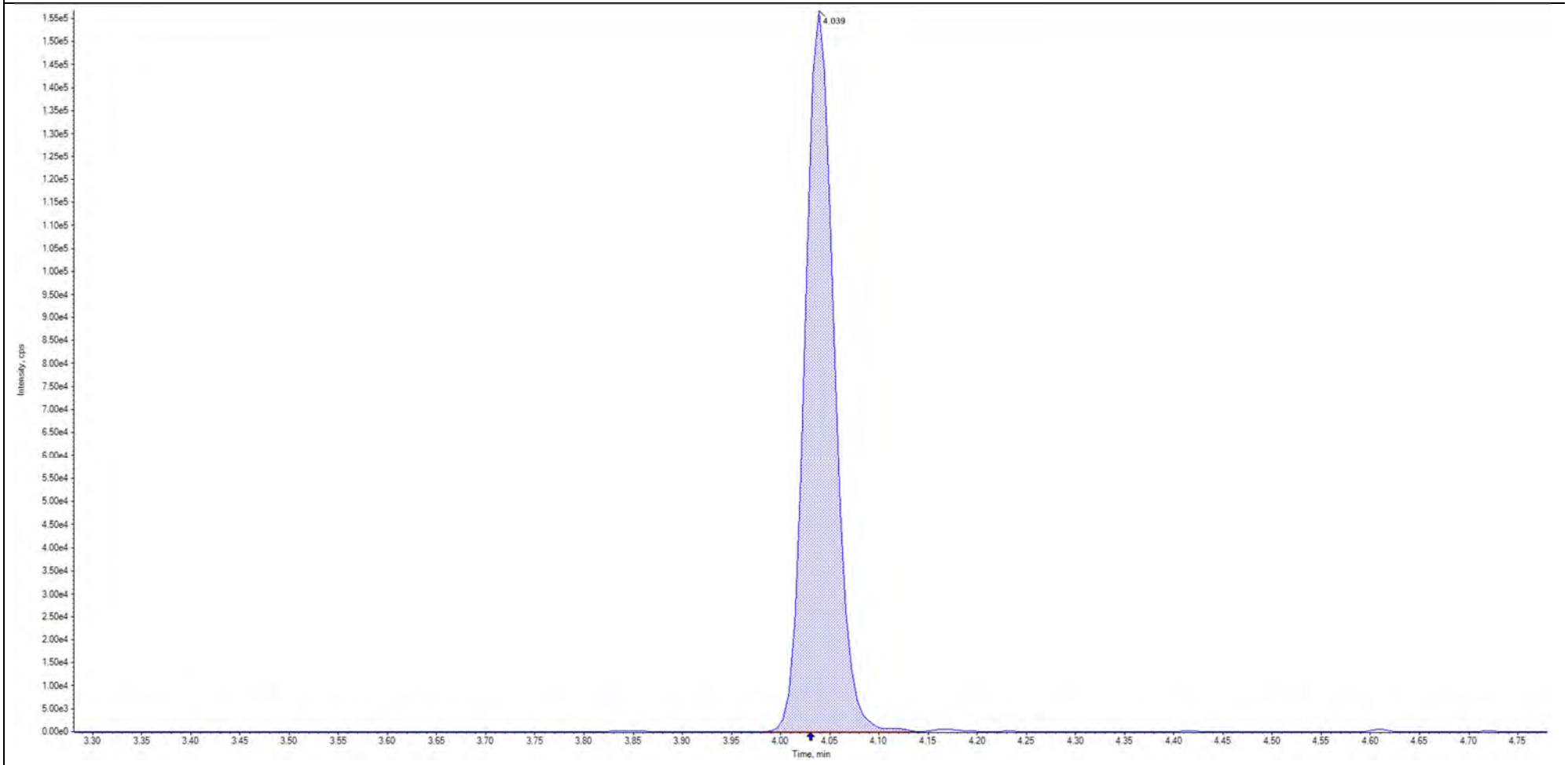

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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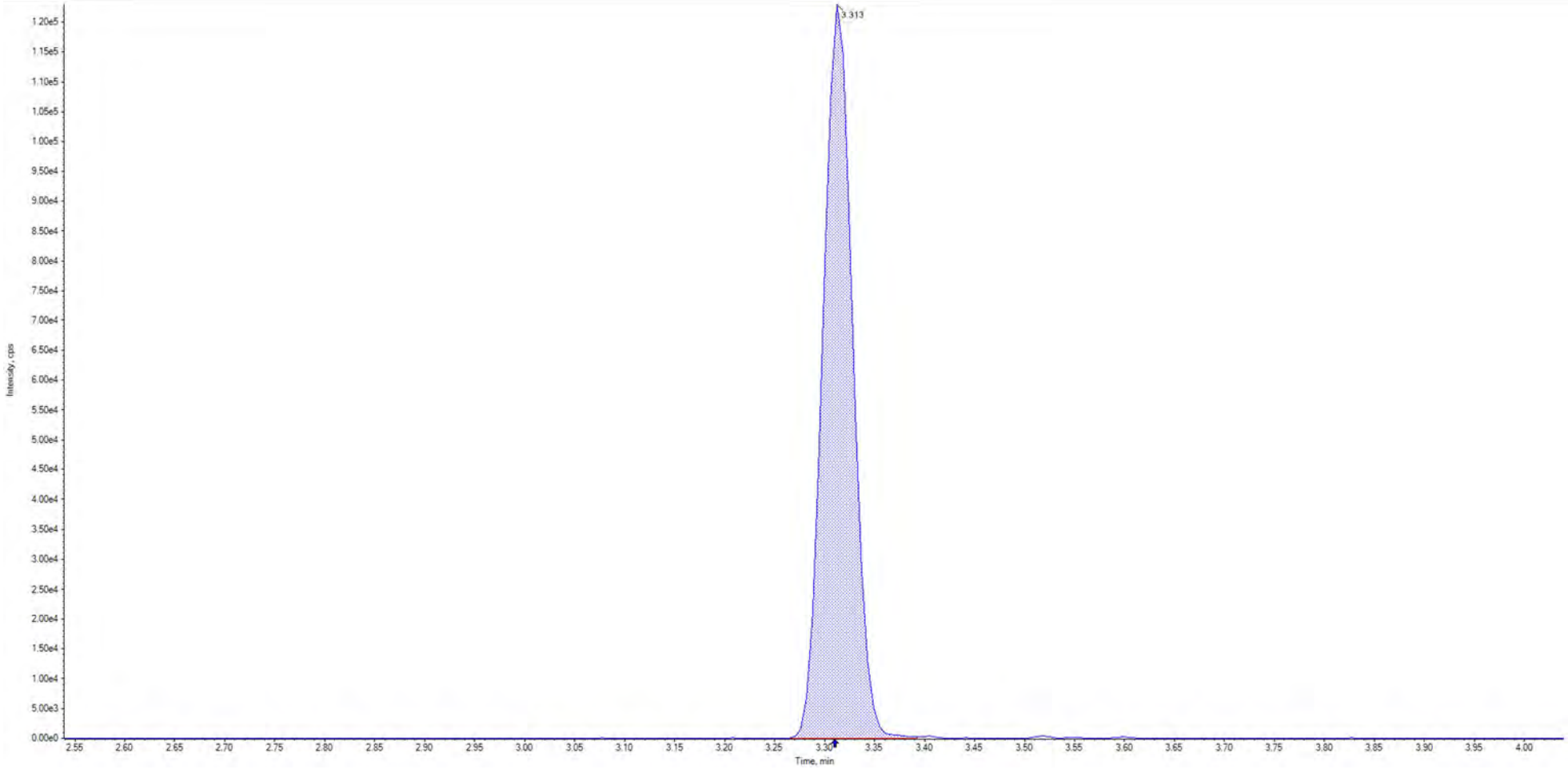
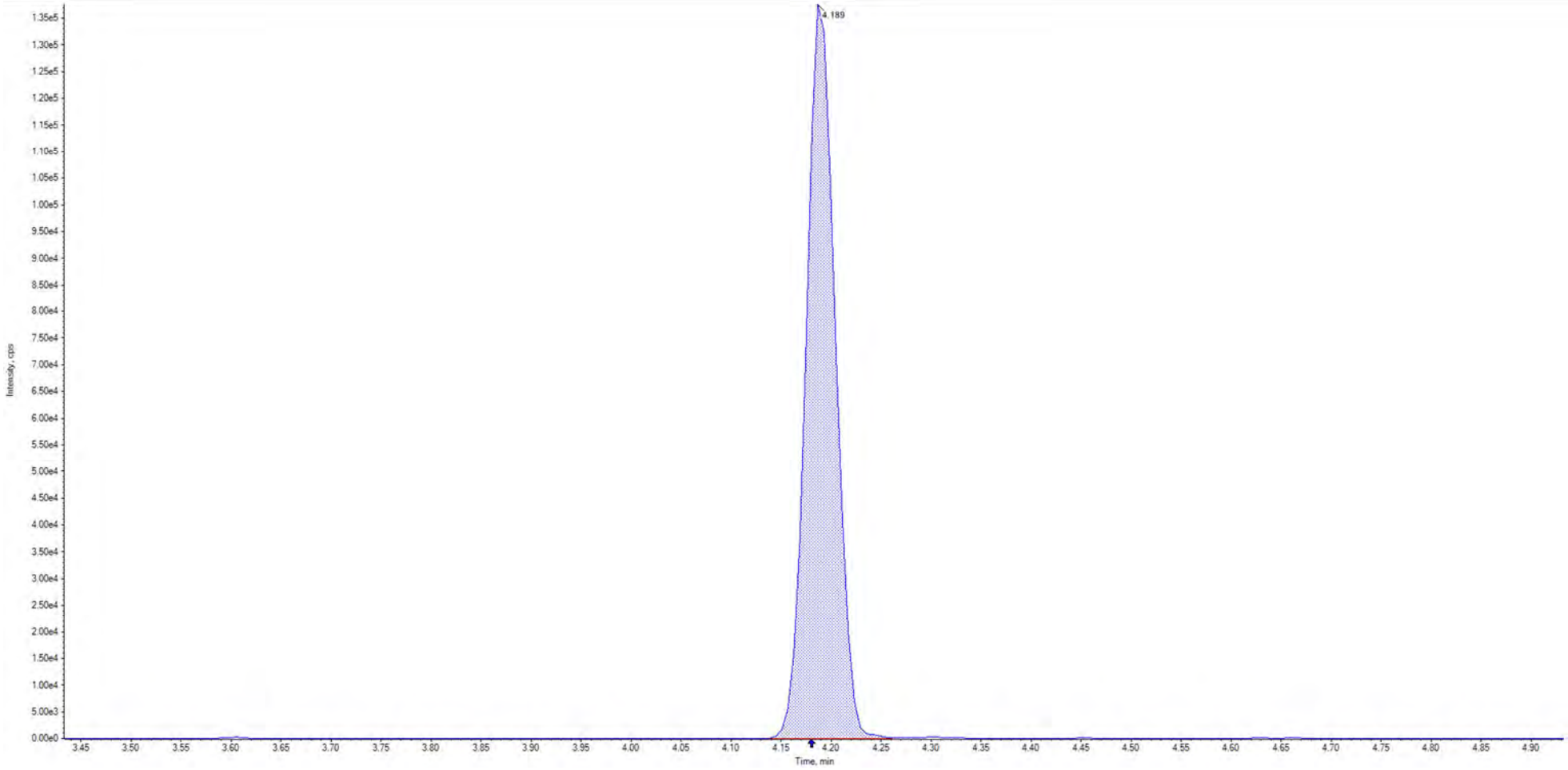
18O2-PFHxS
Sample: IA1633STD-.2



13C4-PFOS
Sample: IA1633STD-.2



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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Generated: 2/28/2025 12:43:00 PM

Method: EPA1633F_250227.qmethod
Calibration: 250228_EPA1633_ICAL

ID: IA1633STD-.5
Name: SCI07_250228_26.wiff2
Date & Time: 2025-02-28T12:20:13
Description: WG2035470,,EPA1633F_250228_CAL_L3
Instrument: SCIEX Triple Quad 5500+
User: LCMS07: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	0.62	213.0 / 169.0	466711		1.980	N/A	N/A	N/A	99.0
2	PFPeA	2706-90-3	1.21	263.0 / 219.0	154967		1.006	0.007	N/A	N/A	100.6
3	PFPeA_2	2706-90-3	1.21	263.0 / 68.9	1110	M4	0.970	0.007	N/A	N/A	97.0
4	PFHxA	307-24-4	2.05	313.0 / 269.0	121775		0.517	0.057	0.067	Pass	103.5
5	PFHxA_2	307-24-4	2.05	313.0 / 119.0	6962		0.443	0.057	0.067	Pass	88.5
6	PFHpA	375-85-9	2.72	363.1 / 319.0	119702		0.472	0.327	0.345	Pass	94.3
7	PFHpA_2	375-85-9	2.72	363.1 / 169.0	39122		0.448	0.327	0.345	Pass	89.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	3.21	413.1 / 369.1	120219	M5	0.480	0.367	0.365	Pass	96.1
9	PFOA_2	335-67-1	3.21	413.1 / 169.0	44122	M5	0.470	0.367	0.365	Pass	94.1
10	PFNA	375-95-1	3.64	462.8 / 418.9	109347	M5	0.473	0.312	0.352	Pass	94.7
11	PFNA_2	375-95-1	3.64	462.8 / 219.0	34147	M5	0.446	0.312	0.352	Pass	89.1
12	PFDA	335-76-2	4.04	513.1 / 469.1	122299		0.468	0.172	0.185	Pass	93.7
13	PFDA_2	335-76-2	4.04	513.1 / 219.0	21057		0.461	0.172	0.185	Pass	92.2
14	PFUnA	2058-94-8	4.43	563.1 / 519.1	124896		0.504	0.139	0.166	Pass	100.8
15	PFUnA_2	2058-94-8	4.43	563.1 / 269.0	17356		0.421	0.139	0.166	Pass	84.1
16	PFDoA	307-55-1	4.82	613.1 / 569.1	110857		0.446	0.180	0.150	Pass	89.2
17	PFDoA_2	307-55-1	4.82	613.1 / 319.0	19997		0.505	0.180	0.150	Pass	101.1
18	PFTrDA	72629-94-8	5.19	663.1 / 619.1	111412		0.480	0.154	0.134	Pass	96.0
19	PFTrDA_2	72629-94-8	5.19	663.1 / 169.0	17207		0.498	0.154	0.134	Pass	99.7
20	PFTeDA	376-06-7	5.55	713.1 / 669.1	102275		0.486	0.174	0.150	Pass	97.2
21	PFTeDA_2	376-06-7	5.55	713.1 / 169.0	17761		0.534	0.174	0.150	Pass	106.8
22	PFBS	375-73-5	2.05	299.1 / 80.1	68055		0.406	0.321	0.341	Pass	91.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	2.04	299.1 / 99.1	21869		0.367	0.321	0.341	Pass	82.8
24	PFPeS	2706-91-4	2.78	349.1 / 80.1	62360		0.424	0.305	0.296	Pass	90.3
25	PFPeS_2	2706-91-4	2.78	349.1 / 99.1	19044		0.441	0.305	0.296	Pass	93.9
26	PFHxS	355-46-4	3.31	399.1 / 80.1	56934	M5	0.440	0.279	0.298	Pass	96.4
27	PFHxS_2	355-46-4	3.32	399.1 / 99.1	15894		0.422	0.279	0.298	Pass	92.5
28	PFHpS	375-92-8	3.77	449.1 / 80.1	60578		0.455	0.281	0.277	Pass	95.6
29	PFHpS_2	375-92-8	3.77	449.1 / 99.1	16998		0.438	0.281	0.277	Pass	92.0
30	PFOS	1763-23-1	4.19	499.1 / 80.1	77536	M5	0.480	0.242	0.236	Pass	103.5
31	PFOS_2	1763-23-1	4.19	499.1 / 99.1	18737	M5	0.495	0.242	0.236	Pass	106.7
32	PFNS	68259-12-1	4.59	549.1 / 80.1	53214		0.472	0.306	0.265	Pass	98.4
33	PFNS_2	68259-12-1	4.59	549.1 / 99.1	16259		0.518	0.306	0.265	Pass	107.9
34	PFDS	335-77-3	4.98	599.1 / 80.1	44821		0.416	0.319	0.275	Pass	86.3
35	PFDS_2	335-77-3	4.98	599.1 / 99.1	14279		0.471	0.319	0.275	Pass	97.7
36	PFDoS	79780-39-5	5.71	699.2 / 80.1	53508		0.456	0.253	0.245	Pass	94.2
37	PFDoS_2	79780-39-5	5.71	699.2 / 99.1	13549		0.450	0.253	0.245	Pass	93.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	1.79	327.1 / 307.1	59242		1.729	0.550	0.542	Pass	92.5
39	4:2FTS_2	757124-72-4	1.79	327.1 / 81.1	32610		1.773	0.550	0.542	Pass	94.8
40	6:2FTS	27619-97-2	3.03	427.2 / 407.2	56505		2.037	0.514	0.555	Pass	107.2
41	6:2FTS_2	27619-97-2	3.03	427.2 / 81.1	29069		1.928	0.514	0.555	Pass	101.5
42	8:2FTS	39108-34-4	3.86	527.2 / 507.2	33372		1.828	0.863	0.824	Pass	95.2
43	8:2FTS_2	39108-34-4	3.86	527.2 / 81.1	28798		2.060	0.863	0.824	Pass	107.3
44	PFOSA	754-91-6	5.33	498.1 / 78.1	83461	M5	0.471	0.017	0.029	Pass	94.2
45	PFOSA_2	754-91-6	5.32	498.1 / 478.0	1445	M2	0.279	0.017	0.029	Pass	55.7
46	NMeFOSA	31506-32-8	6.05	512.2 / 219.0	23217	M5	0.518	1.405	1.426	Pass	103.6
47	NMeFOSA_2	31506-32-8	6.00	512.2 / 169.0	32614	M5	0.507	1.405	1.426	Pass	101.3
48	NEtFOSA	4151-50-2	6.33	526.2 / 219.0	22062	M5	0.461	1.227	1.166	Pass	92.2
49	NEtFOSA_2	4151-50-2	6.30	526.2 / 169.0	27081	M5	0.477	1.227	1.166	Pass	95.5
50	NMeFOSAA	2355-31-9	4.15	570.2 / 419.1	16637		0.386	0.843	0.729	Pass	77.1
51	NMeFOSAA_2	2355-31-9	4.15	570.2 / 483.0	14026		0.469	0.843	0.729	Pass	93.7
52	NEtFOSAA	2991-50-6	4.35	584.2 / 419.1	14172	M5	0.532	0.476	0.453	Pass	106.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.35	584.2 / 526.2	6742	M5	0.531	0.476	0.453	Pass	106.1
54	NMeFOSE	24448-09-7	5.91	616.1 / 58.9	185224	M5	4.726	N/A	N/A	N/A	94.5
55	NEtFOSE	1691-99-2	6.21	630.0 / 58.9	460355		4.779	N/A	N/A	N/A	95.6
56	HFPO-DA	13252-13-6	2.32	285.0 / 169.0	180759		1.841	0.954	0.892	Pass	92.1
57	HFPO-DA_2	13252-13-6	2.32	285.0 / 184.9	172503		2.016	0.954	0.892	Pass	100.8
58	ADONA	919005-14-4	2.91	376.9 / 251.0	1008026		2.123	0.393	0.444	Pass	112.3
59	ADONA_2	919005-14-4	2.91	376.9 / 84.8	396430		1.971	0.393	0.444	Pass	104.3
60	9Cl-PF3ONS	756426-58-1	4.47	530.8 / 351.1	797731		2.059	0.332	0.359	Pass	110.1
61	9Cl-PF3ONS_2	756426-58-1	4.47	532.8 / 353.0	264902		1.964	0.332	0.359	Pass	105.0
62	11Cl-PF3OUdS	763051-92-9	5.24	630.9 / 451.0	627885		2.084	0.320	0.348	Pass	110.3
63	11Cl-PF3OUdS_2	763051-92-9	5.24	632.9 / 452.9	201035		1.959	0.320	0.348	Pass	103.6
64	3:3FTCA	356-02-5	1.60	241.1 / 177.1	39415		2.216	0.742	0.698	Pass	88.6
65	3:3FTCA_2	356-02-5	1.60	241.1 / 117.0	29264		2.255	0.742	0.698	Pass	90.2
66	5:3FTCA	914637-49-3	3.21	341.1 / 237.1	656578		12.647	1.010	0.979	Pass	101.2
67	5:3FTCA_2	914637-49-3	3.21	341.1 / 217.0	662840		12.951	1.010	0.979	Pass	103.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	4.20	441.1 / 316.9	256203		10.408	2.320	2.144	Pass	83.3
69	7:3FTCA_2	812-70-4	4.20	441.1 / 337.1	594383		11.861	2.320	2.144	Pass	94.9
70	PFEESA	113507-82-7	2.42	315.1 / 135.0	411459		0.907	0.079	0.077	Pass	101.6
71	PFEESA_2	113507-82-7	2.42	315.1 / 82.9	32348		0.892	0.079	0.077	Pass	100.0
72	PFMPA	377-73-1	0.77	229.0 / 85.0	172707		0.879	N/A	N/A	N/A	87.9
73	PFMBA	863090-89-5	1.50	279.0 / 85.0	185301		0.978	N/A	N/A	N/A	97.8
74	NFDHA	151772-58-6	1.95	295.0 / 201.0	119411		1.006	0.622	0.632	Pass	100.6
75	NFDHA_2	151772-58-6	1.95	295.0 / 84.9	74289		0.973	0.622	0.632	Pass	97.3
76	TDCA	516-50-7	2.90	499.1 / 124.1	206301		0.989	5.229	4.812	Pass	98.9
77	TDCA_2	516-50-7	2.89	499.1 / 79.9	1078685		1.031	5.229	4.812	Pass	103.1
78	13C2D4-4:2FTS	Surr	1.78	333.2 / 312.1	122408		4.764	N/A	N/A	N/A	95.3
79	13C2-PFOA	Surr	3.21	415.0 / 370.0	190944		2.379	N/A	N/A	N/A	95.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.61	217.0 / 172.0	2584639		10.358	NA	NA	NA	103.6

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C5-PFPeA	EIS	1.21	268.0 / 223.0	741308		5.023	NA	NA	NA	100.5
13C5-PFHxA	EIS	2.04	318.0 / 273.0	326770		2.392	NA	NA	NA	95.7
13C4-PFHpA	EIS	2.72	367.0 / 322.0	634873		2.562	NA	NA	NA	102.5
13C8-PFOA	EIS	3.20	420.8 / 376.0	728999		3.000	NA	NA	NA	120.0
13C9-PFNA	EIS	3.63	472.0 / 427.0	363870		1.321	NA	NA	NA	105.7
13C6-PFDA	EIS	4.04	519.0 / 474.0	384524		1.322	NA	NA	NA	105.7
13C7-PFUnA	EIS	4.43	570.0 / 525.0	396731		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	4.81	615.1 / 570.0	355927		1.283	NA	NA	NA	102.7
	13C2-PFTeDA	EIS	5.55	715.1 / 670.1	234700		1.277	NA	NA	NA	102.2
	13C3-PFBS	EIS	2.04	302.1 / 80.1	364078		2.661	NA	NA	NA	114.2
	13C3-PFHxS	EIS	3.31	402.1 / 80.1	307414		2.630	NA	NA	NA	111.0
	13C8-PFOS	EIS	4.18	507.1 / 80.1	363896		2.461	NA	NA	NA	102.5
	13C2-4:2FTS	EIS	1.79	329.1 / 81.1	86940		4.987	NA	NA	NA	106.3
	13C2-6:2FTS	EIS	3.03	429.2 / 81.1	70925		4.988	NA	NA	NA	104.8
	13C2-8:2FTS	EIS	3.86	529.2 / 81.1	76323		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	5.32	506.1 / 78.1	627436		2.582	NA	NA	NA	103.3
d3-NMeFOSA	EIS	6.04	515.2 / 219.0	107101		2.452	NA	NA	NA	98.1
d5-NEtFOSA	EIS	6.32	531.2 / 219.0	96613		2.578	NA	NA	NA	103.1
d3-NMeFOSAA	EIS	4.15	573.2 / 419.1	310538		5.067	NA	NA	NA	101.3
d5-NEtFOSAA	EIS	4.34	589.3 / 419.1	127058		4.873	NA	NA	NA	97.5
d7-NMeFOSE	EIS	5.89	623.2 / 58.9	349901		25.833	NA	NA	NA	103.3
d9-NEtFOSE	EIS	6.18	639.2 / 58.9	773769		24.838	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	2.31	287.0 / 169.0	971076		9.491	NA	NA	NA	94.9
	13C3-PFBA	NIS	0.61	216.0 / 172.0	1118930		5.698	NA	NA	NA	114.0
	13C2-PFHxA	NIS	2.04	315.0 / 270.0	526331		2.705	NA	NA	NA	108.2
	13C4-PFOA	NIS	3.20	417.0 / 372.0	167065		1.980	NA	NA	NA	79.2
	13C5-PFNA	NIS	3.63	468.0 / 423.0	359760		1.282	NA	NA	NA	102.6
	13C2-PFDA	NIS	4.04	515.1 / 470.1	340844		1.322	NA	NA	NA	105.7
	18O2-PFHxS	NIS	3.31	403.1 / 84.1	230833		2.317	NA	NA	NA	97.8
	13C4-PFOS	NIS	4.19	503.1 / 80.1	270896		2.482	NA	NA	NA	103.4

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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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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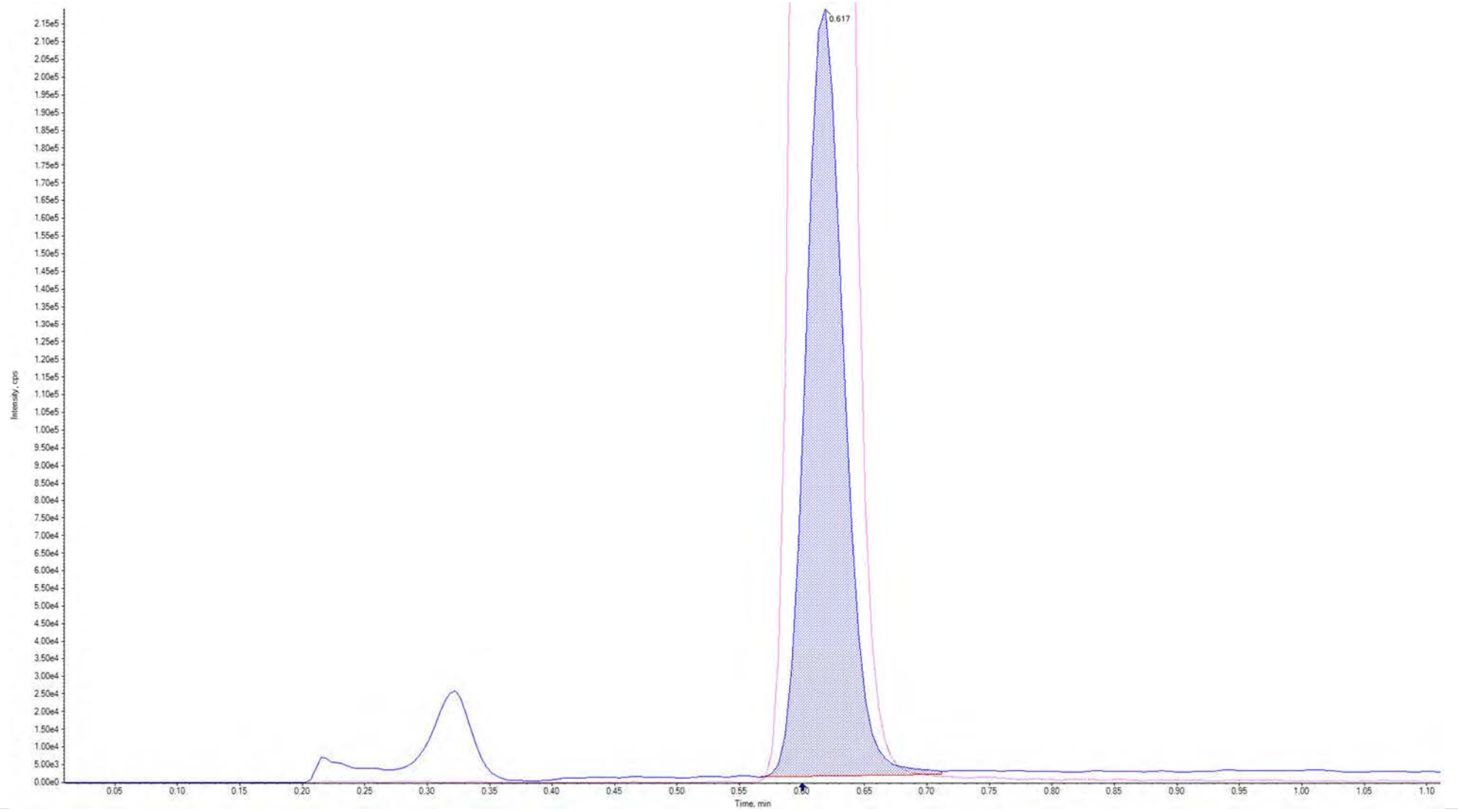
PFBA
Sample: IA1633STD-.5 S/N:375.9 Points Across peak:28



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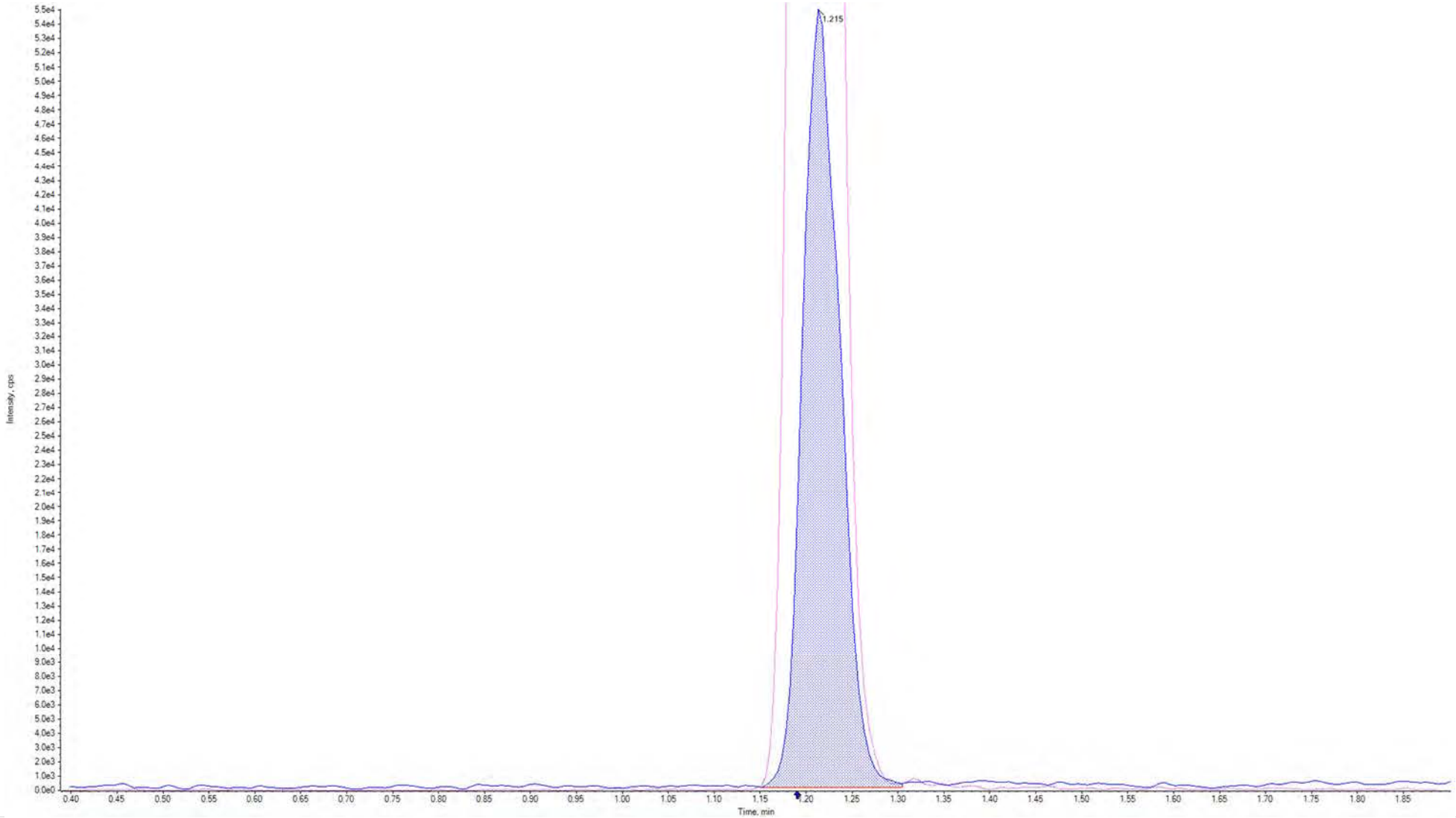
PFPeA
Sample: IA1633STD-.5 S/N:1451.3 Points Across peak:31



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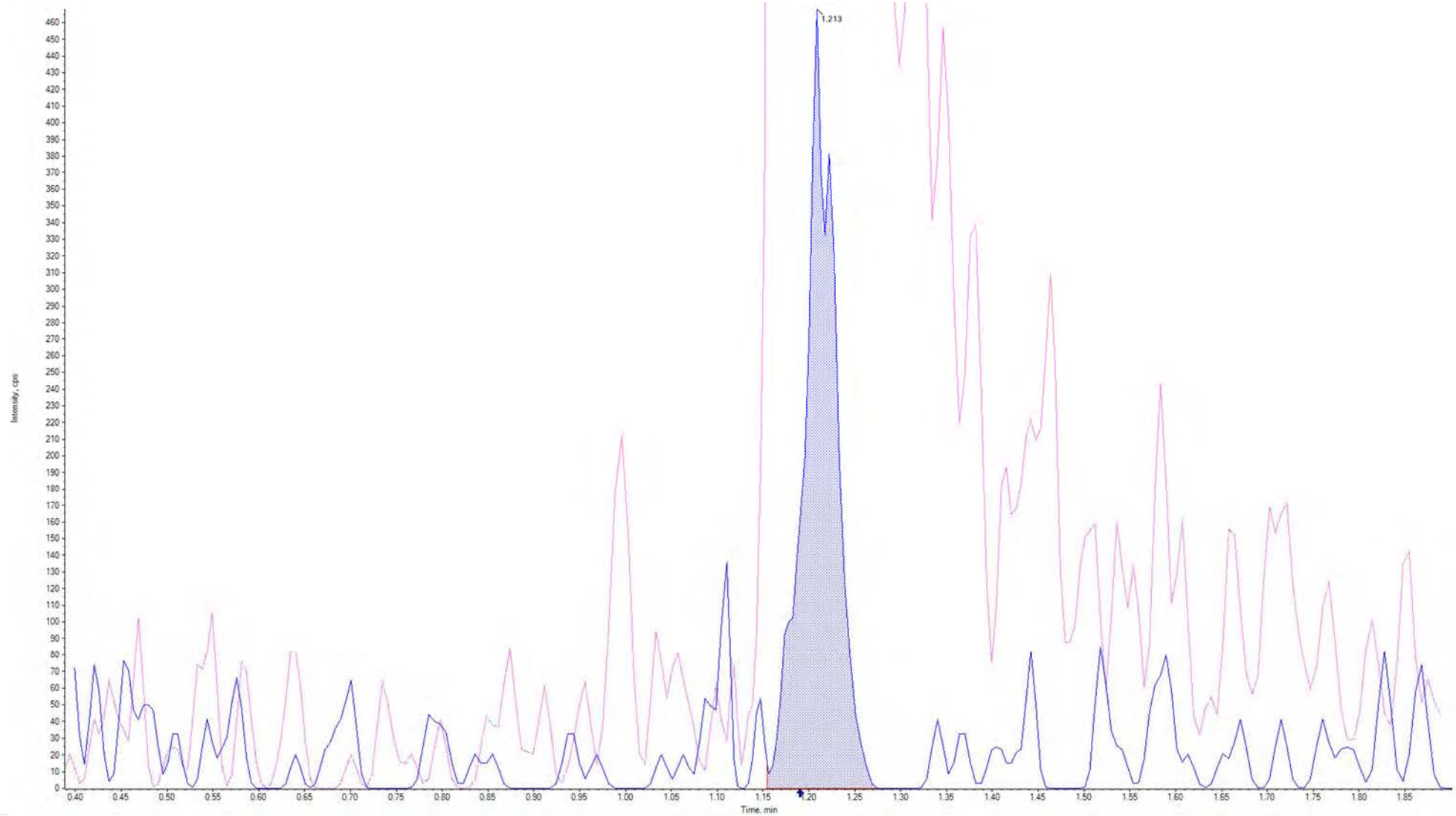
PFPeA_2
Sample: IA1633STD-.5 S/N:22.3 Points Across peak:27



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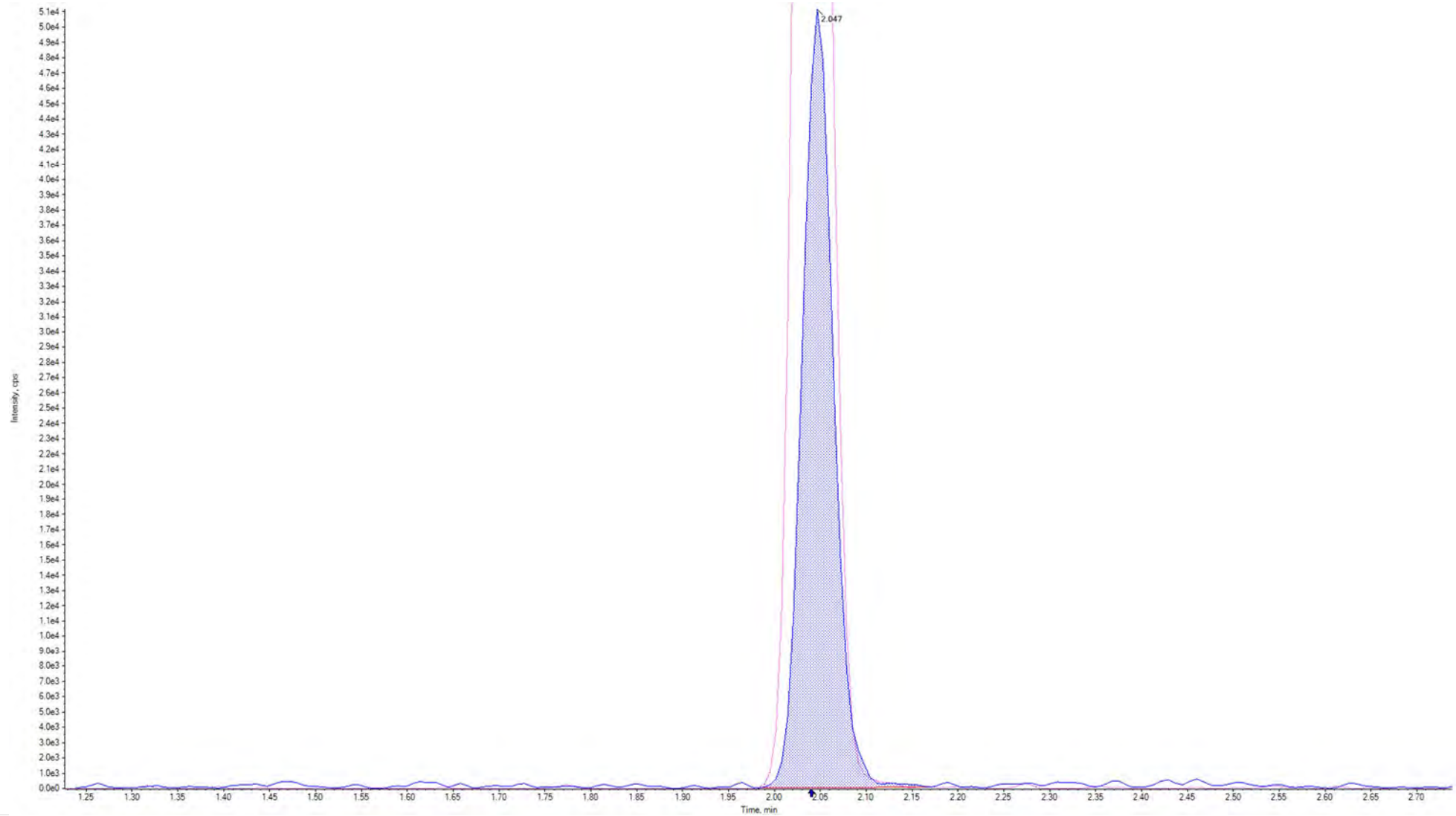
PFHxA
Sample: IA1633STD-.5 S/N:1025.1 Points Across peak:29



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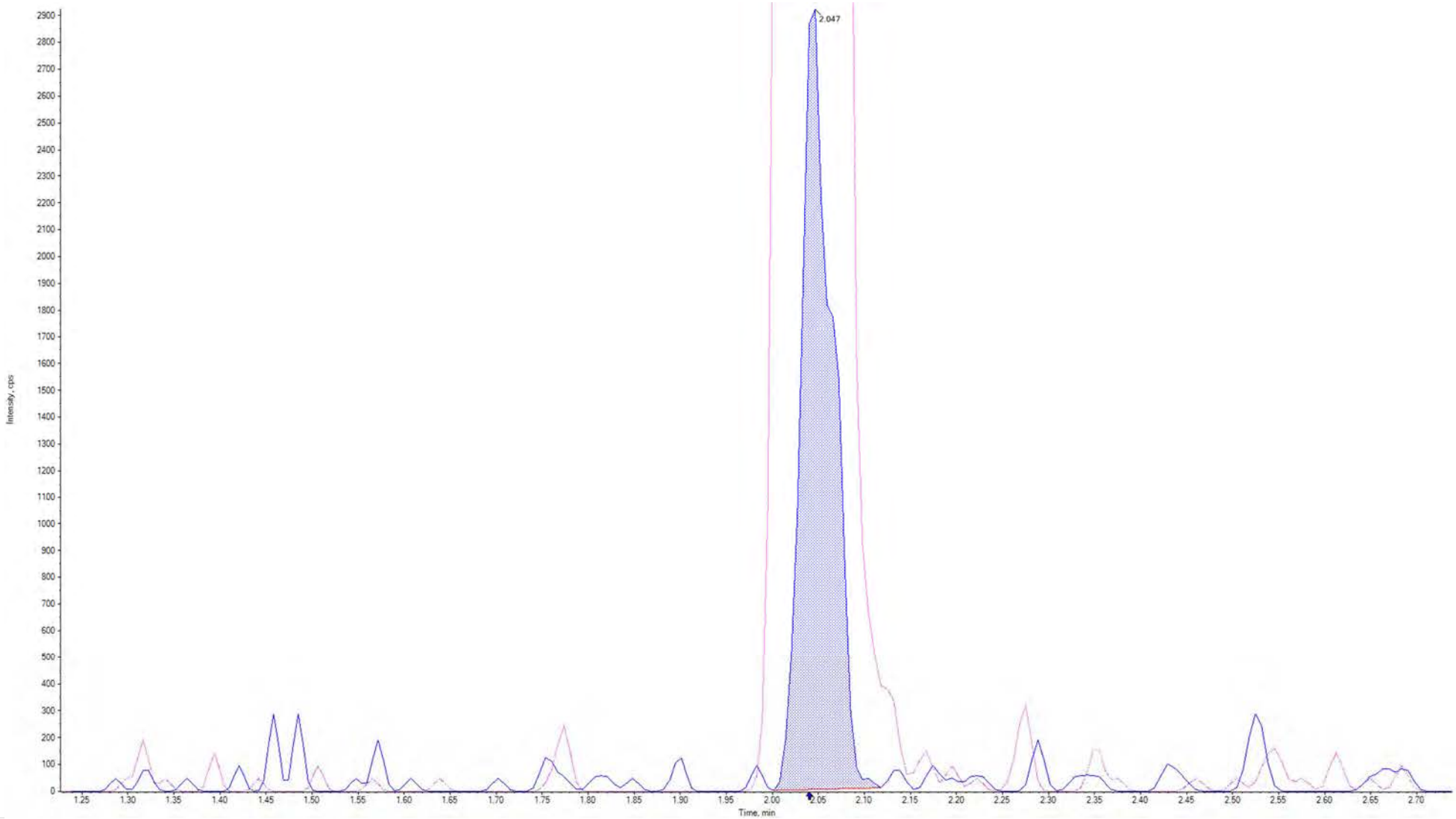
PFHxA_2
Sample: IA1633STD-.5 S/N:58.5 Points Across peak:19



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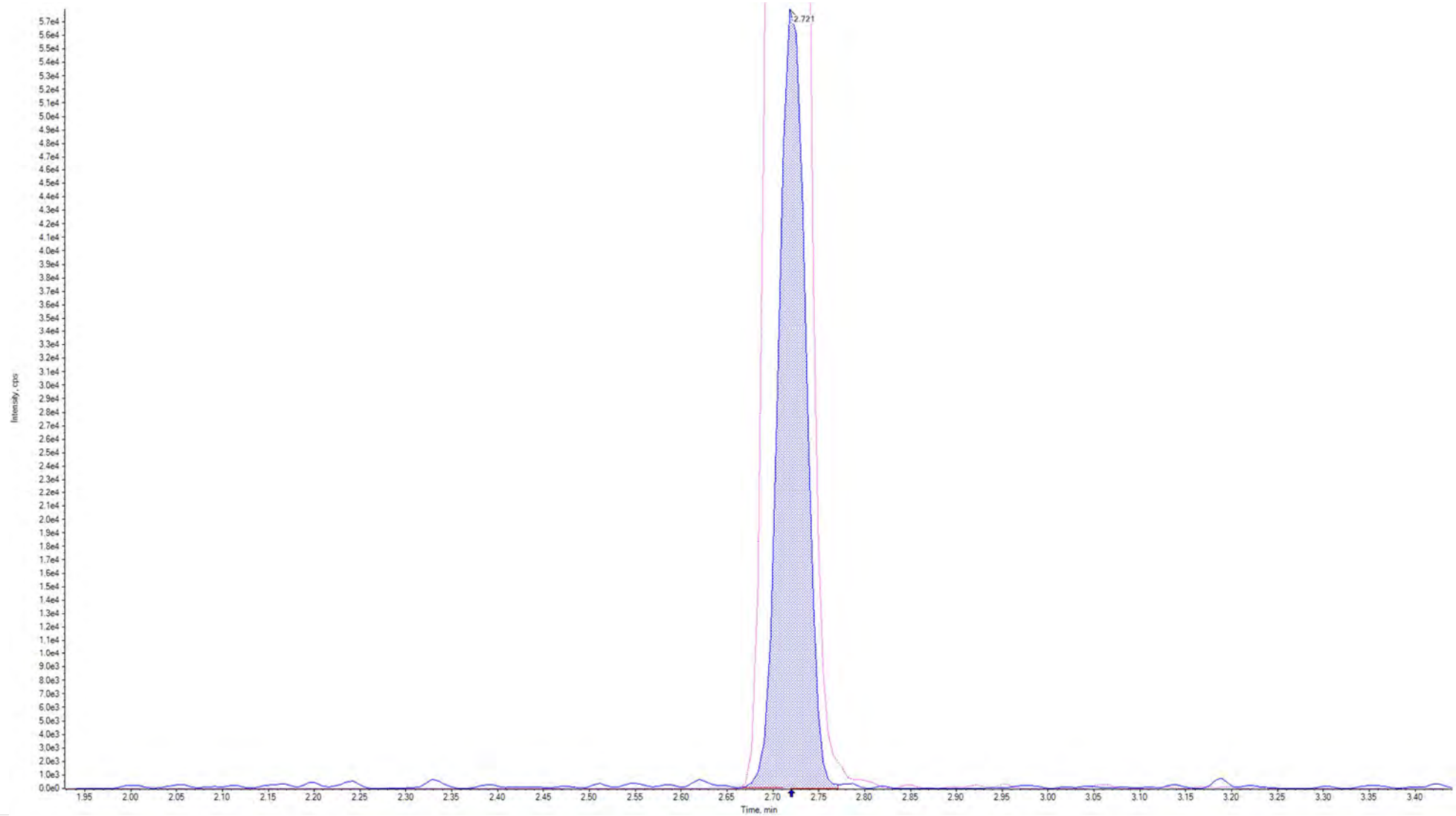
PFHpA
Sample: IA1633STD-.5 S/N:748.7 Points Across peak:18



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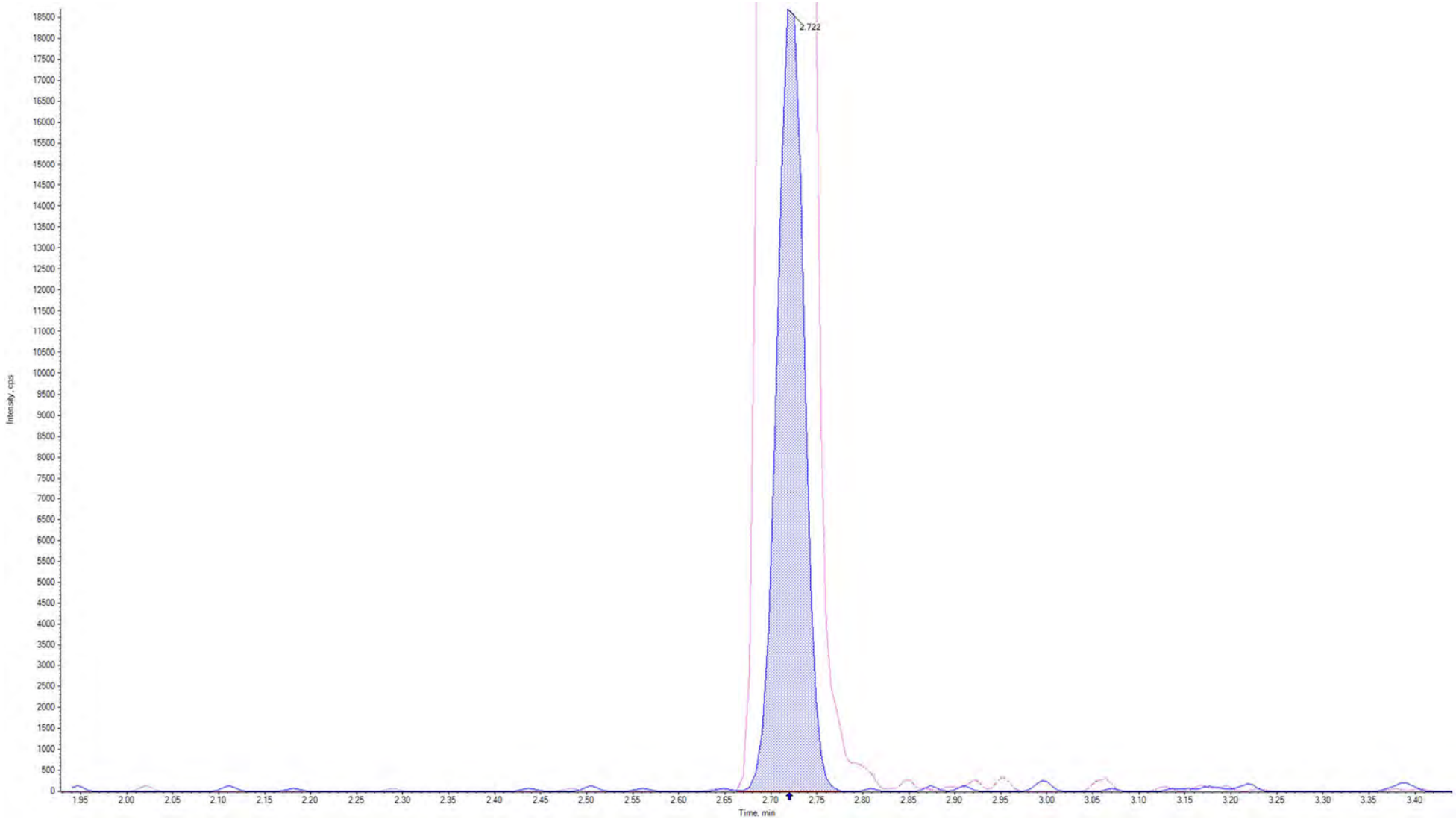
PFHpA_2
Sample: IA1633STD-.5 S/N:281.2 Points Across peak:21



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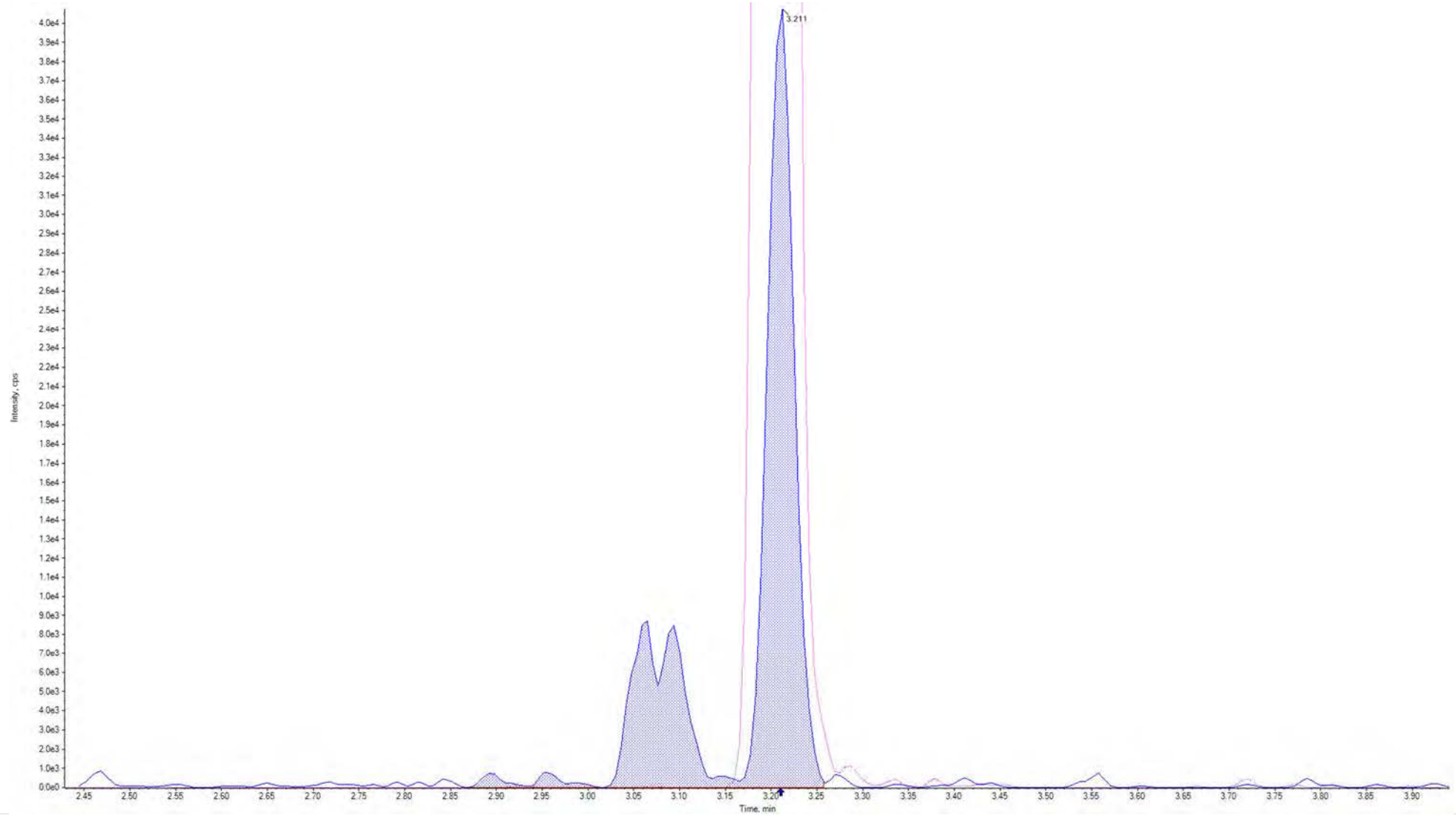
PFOA
Sample: IA1633STD-.5 S/N:305.3 Points Across peak:67



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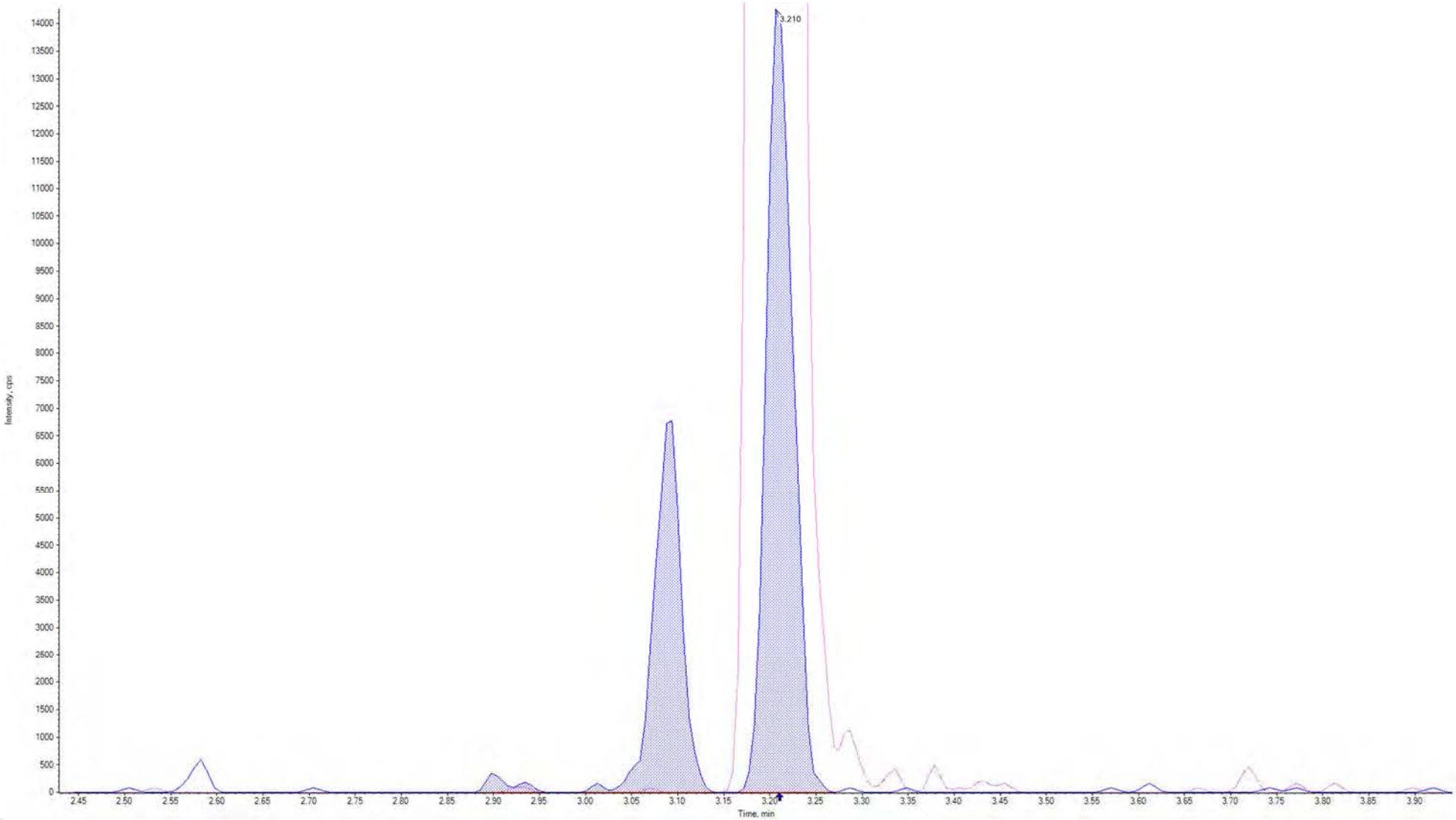
PFOA_2
Sample: IA1633STD-.5 S/N:178.7 Points Across peak:67



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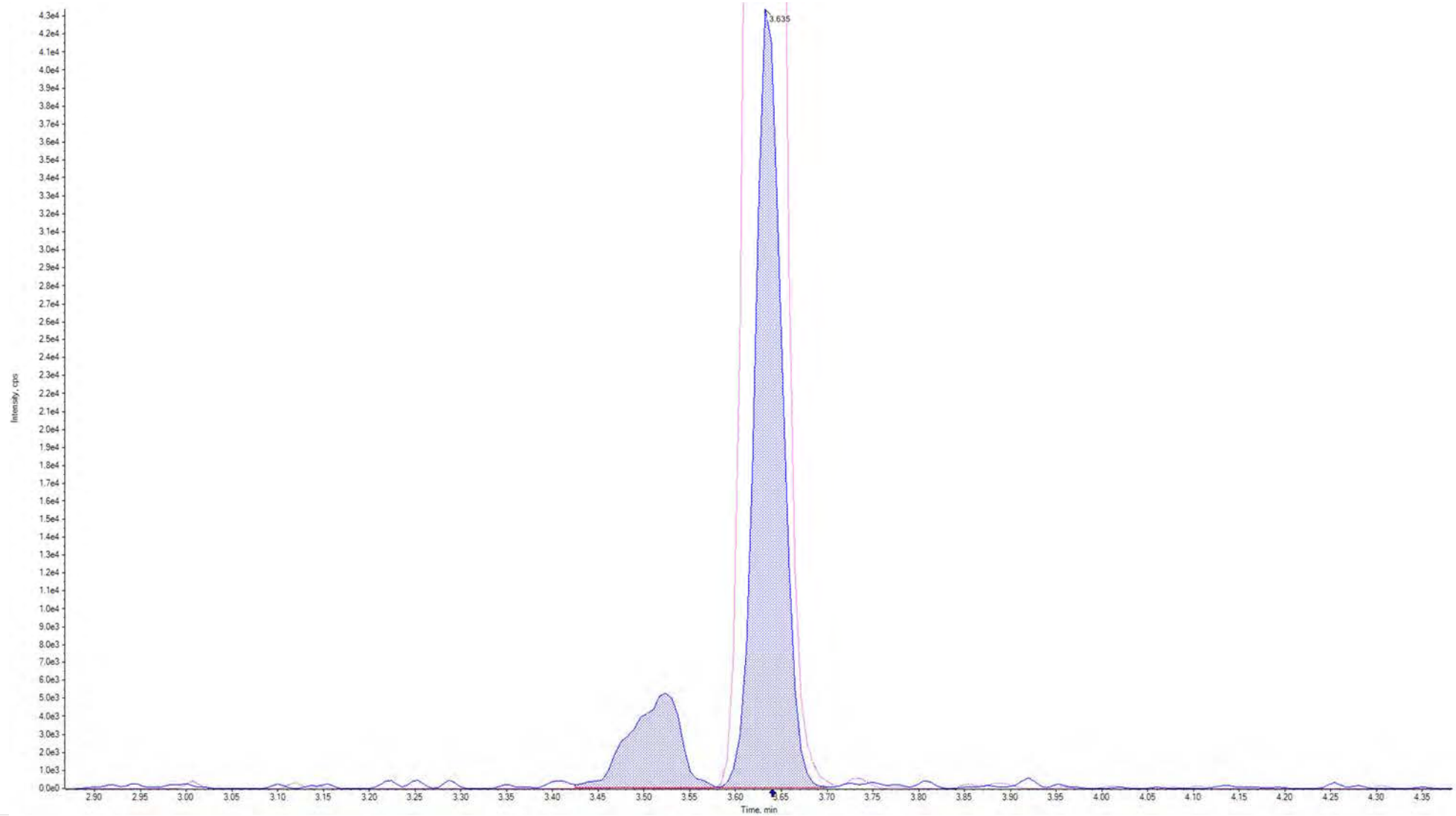
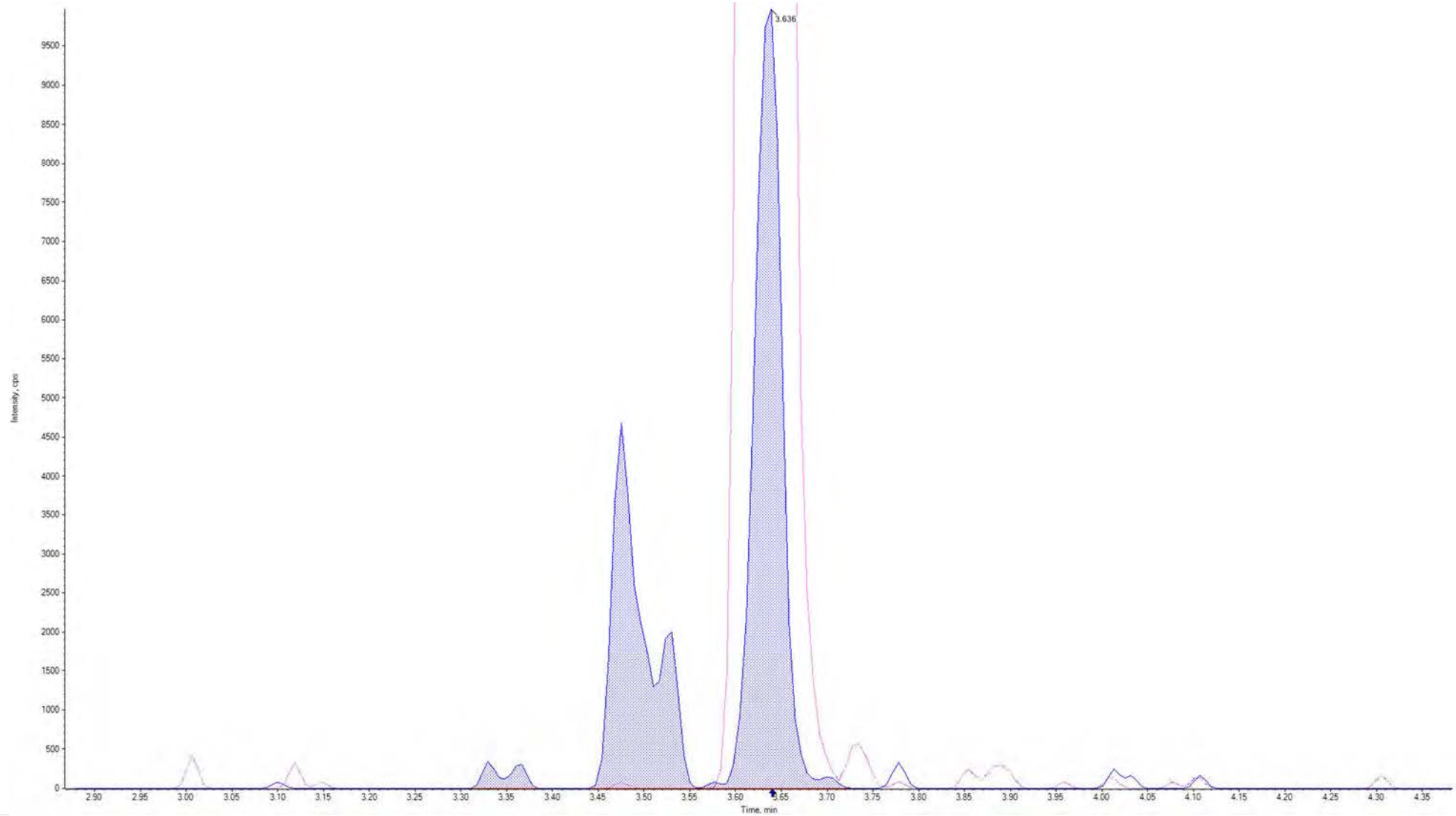
PFNA
Sample: IA1633STD-.5 S/N:458.8 Points Across peak:43



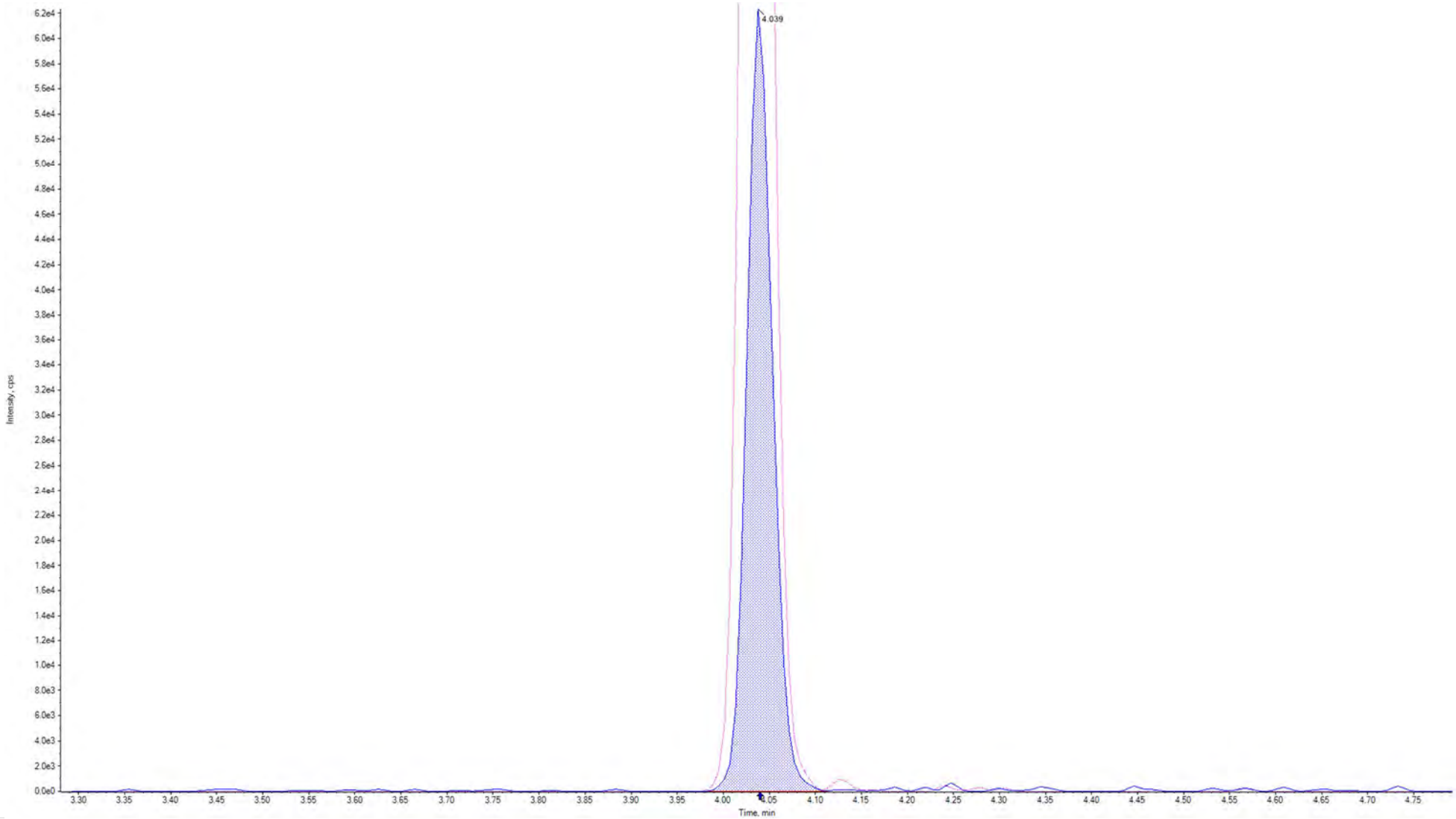
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_26.wiff2_2
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

PFNA_2
Sample: IA1633STD-.5 S/N:124.9 Points Across peak:64



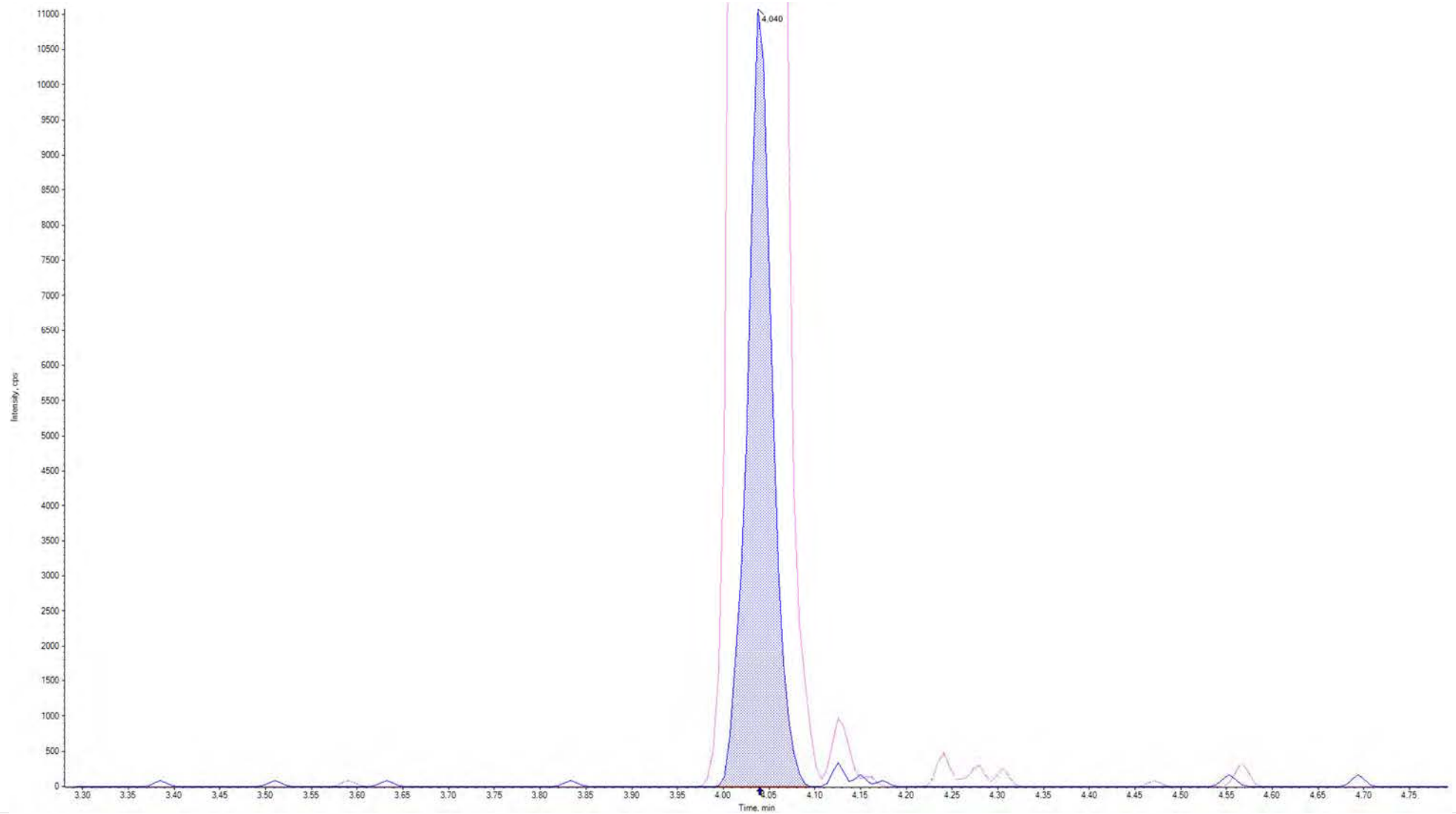
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_26.wiff2_2
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

PFDA
Sample: IA1633STD-.5 S/N:780.9 Points Across peak:25



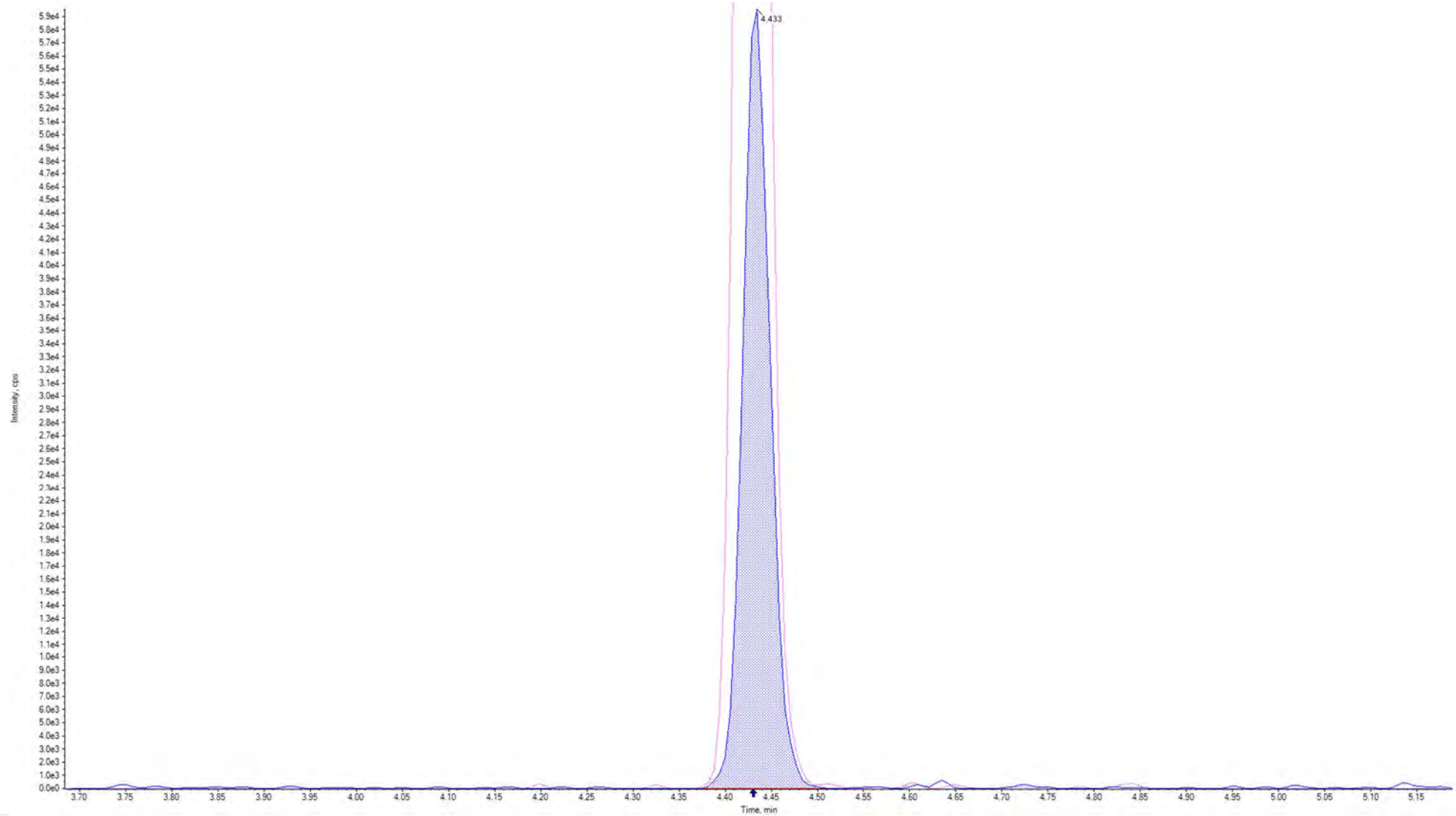
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_26.wiff2_2
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

PFDA_2
Sample: IA1633STD-.5 S/N:138.8 Points Across peak:24



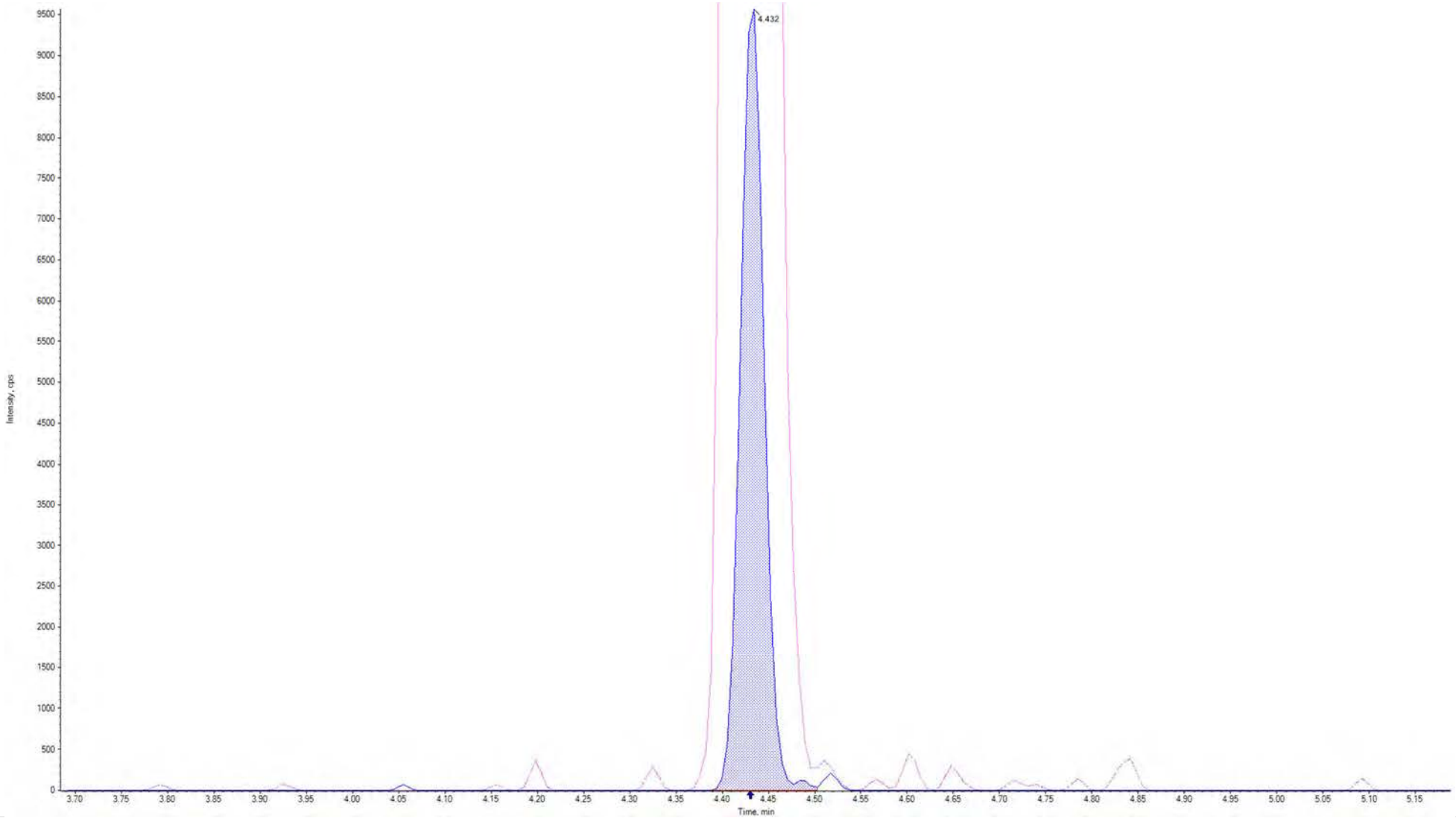
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_26.wiff2_2
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

PFUnA
Sample: IA1633STD-.5 S/N:895.7 Points Across peak:28



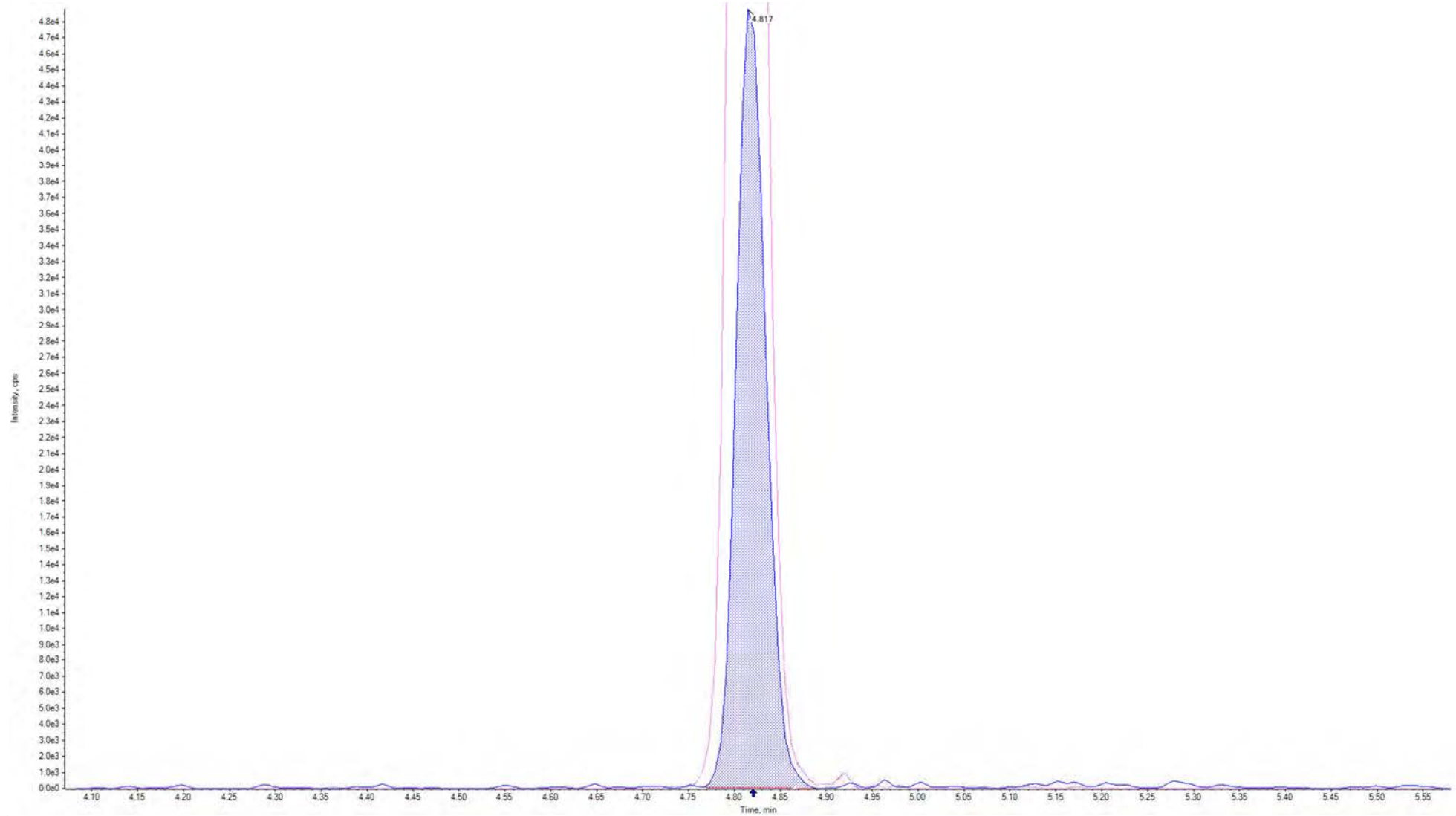
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_26.wiff2_2
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

PFUnA_2
Sample: IA1633STD-.5 S/N:143.9 Points Across peak:25



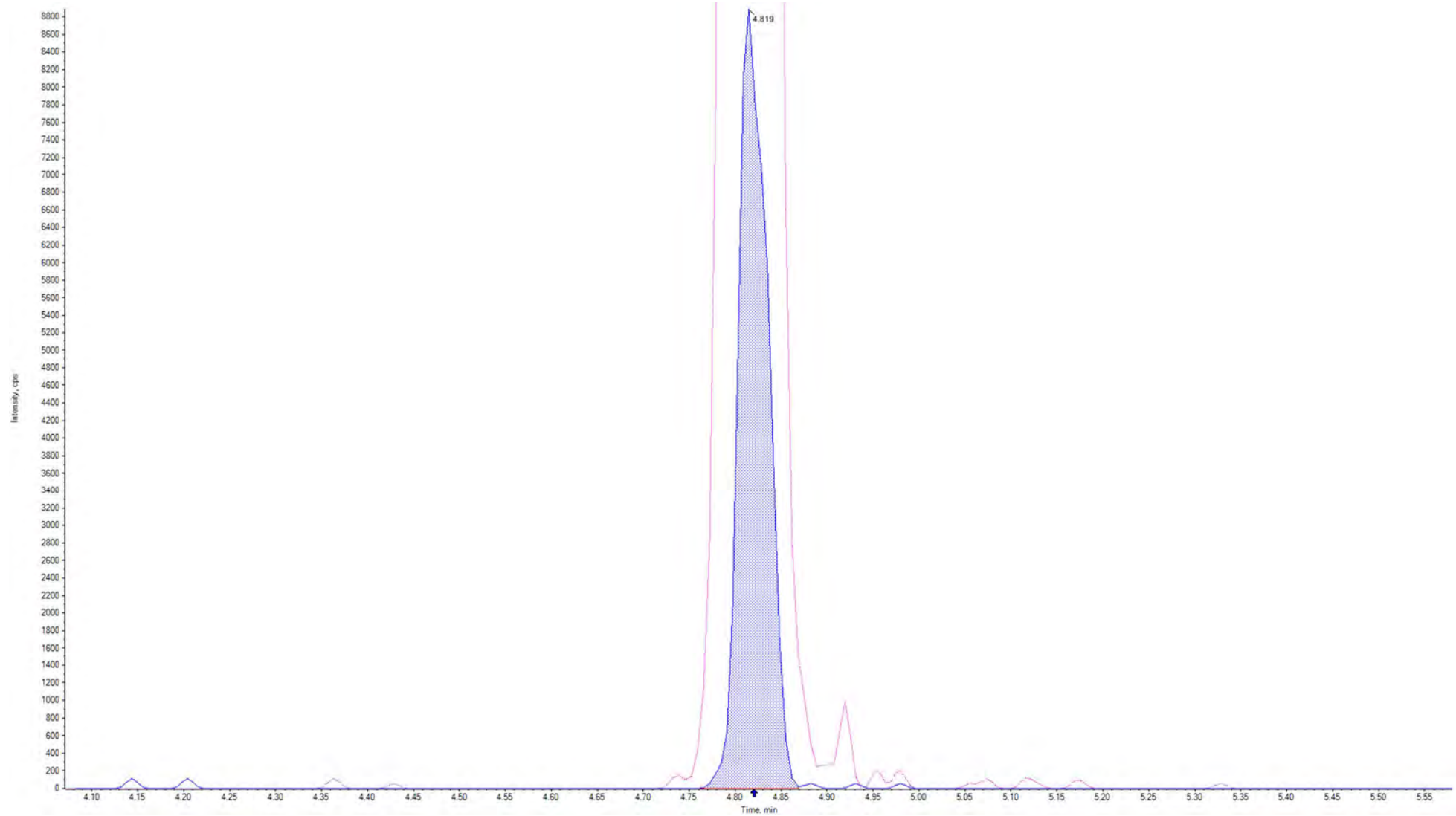
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_26.wiff2_2
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

PFDoA
Sample: IA1633STD-.5 S/N:854.9 Points Across peak:21



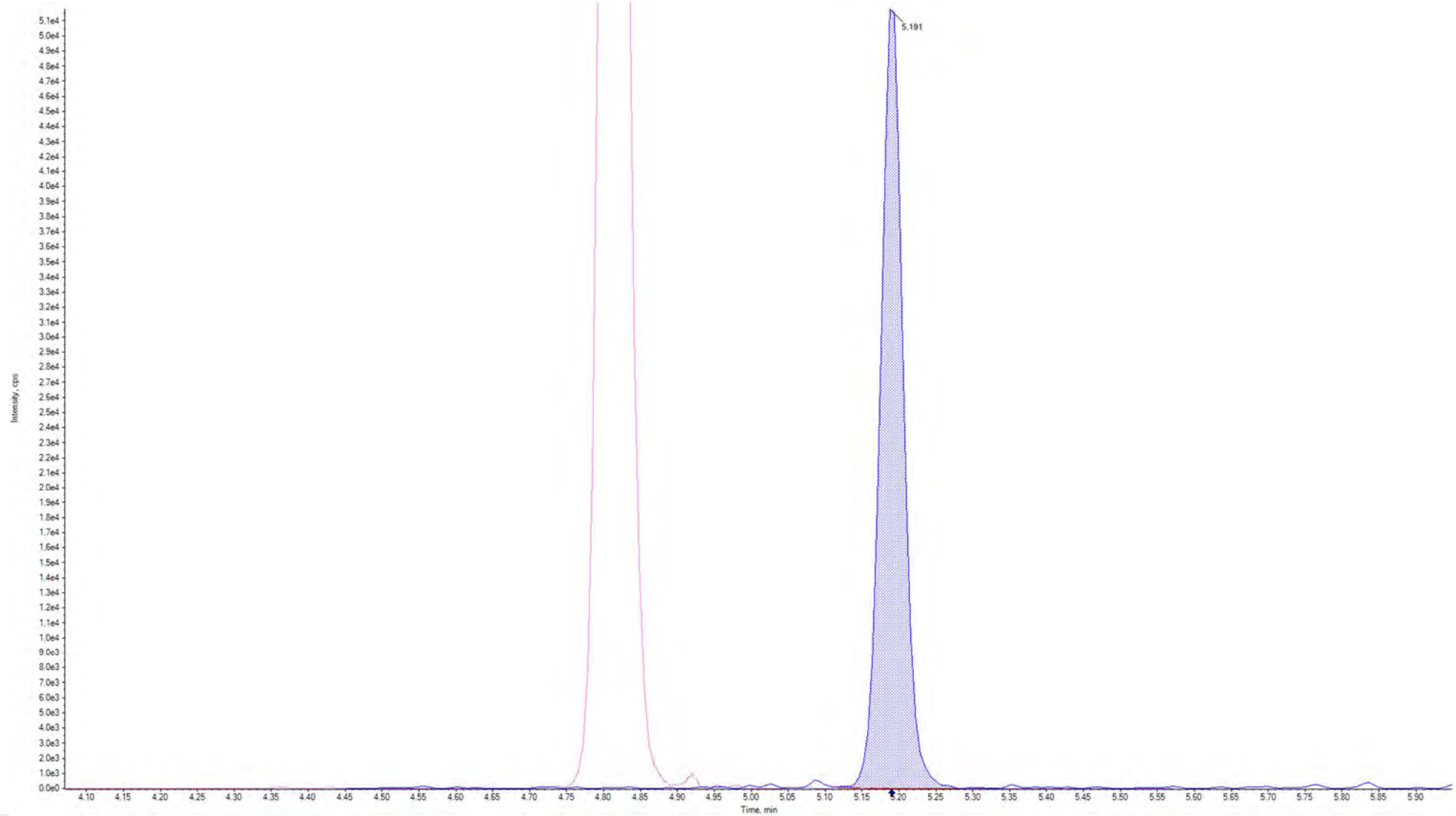
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_26.wiff2_2
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

PFDoA_2
Sample: IA1633STD-.5 S/N:155.9 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\250228\SCI07_250228_26.wiff2_2
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

PFTrDA
Sample: IA1633STD-.5 S/N:1037.6 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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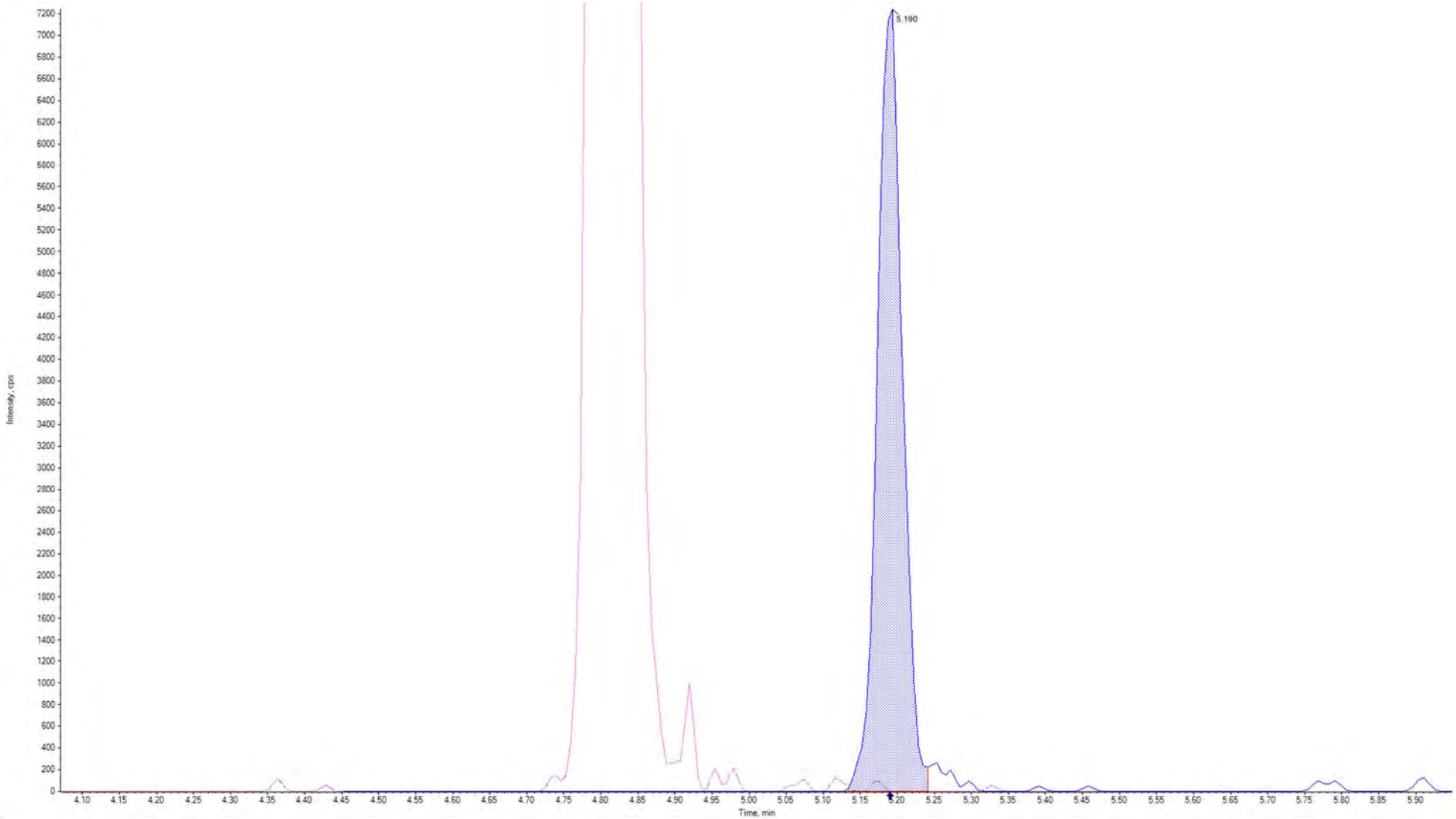
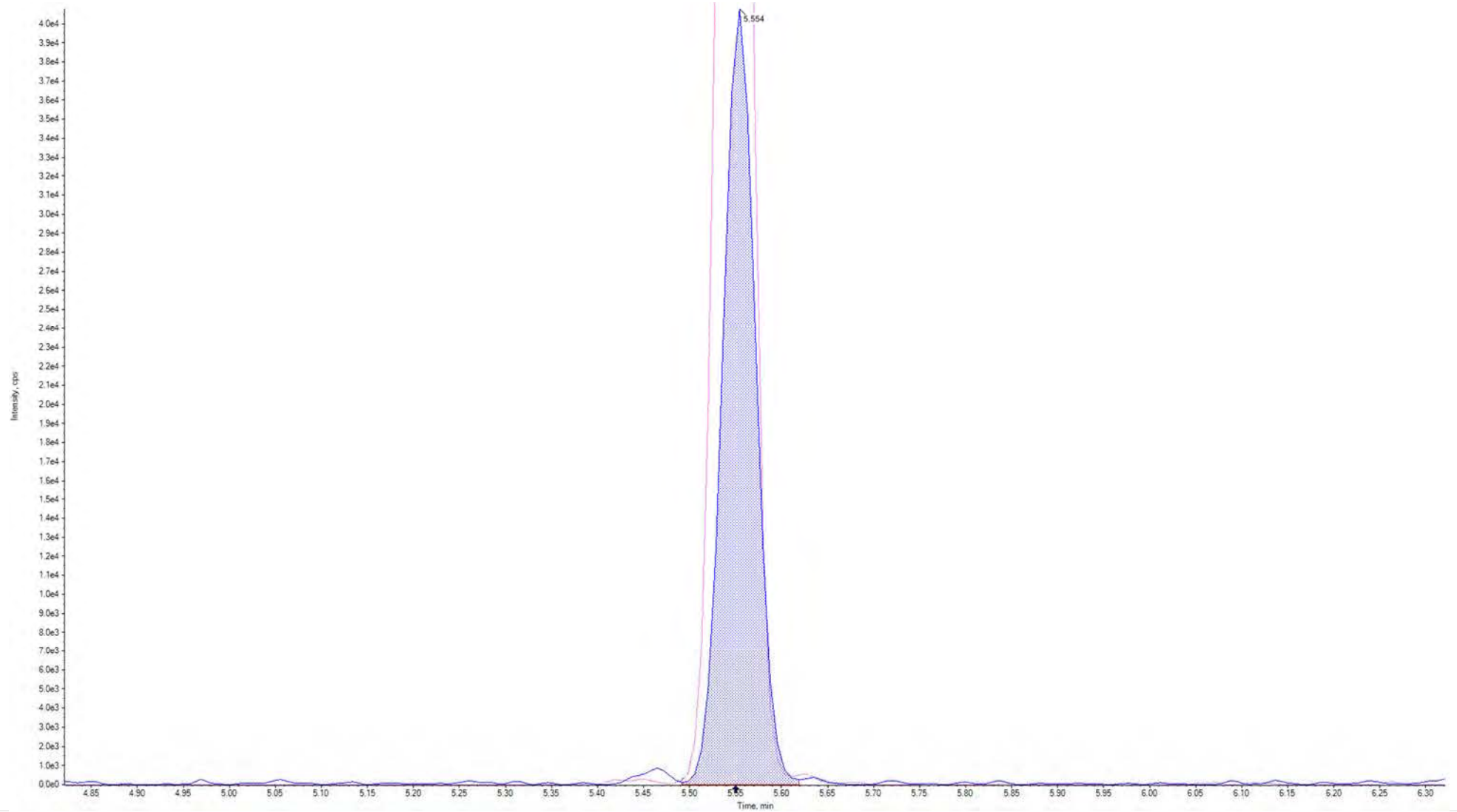
Generated: 2/28/2025 12:43:00 PM

PFTrDA_2
Sample: IA1633STD-.5 S/N:145.2 Points Across peak:25



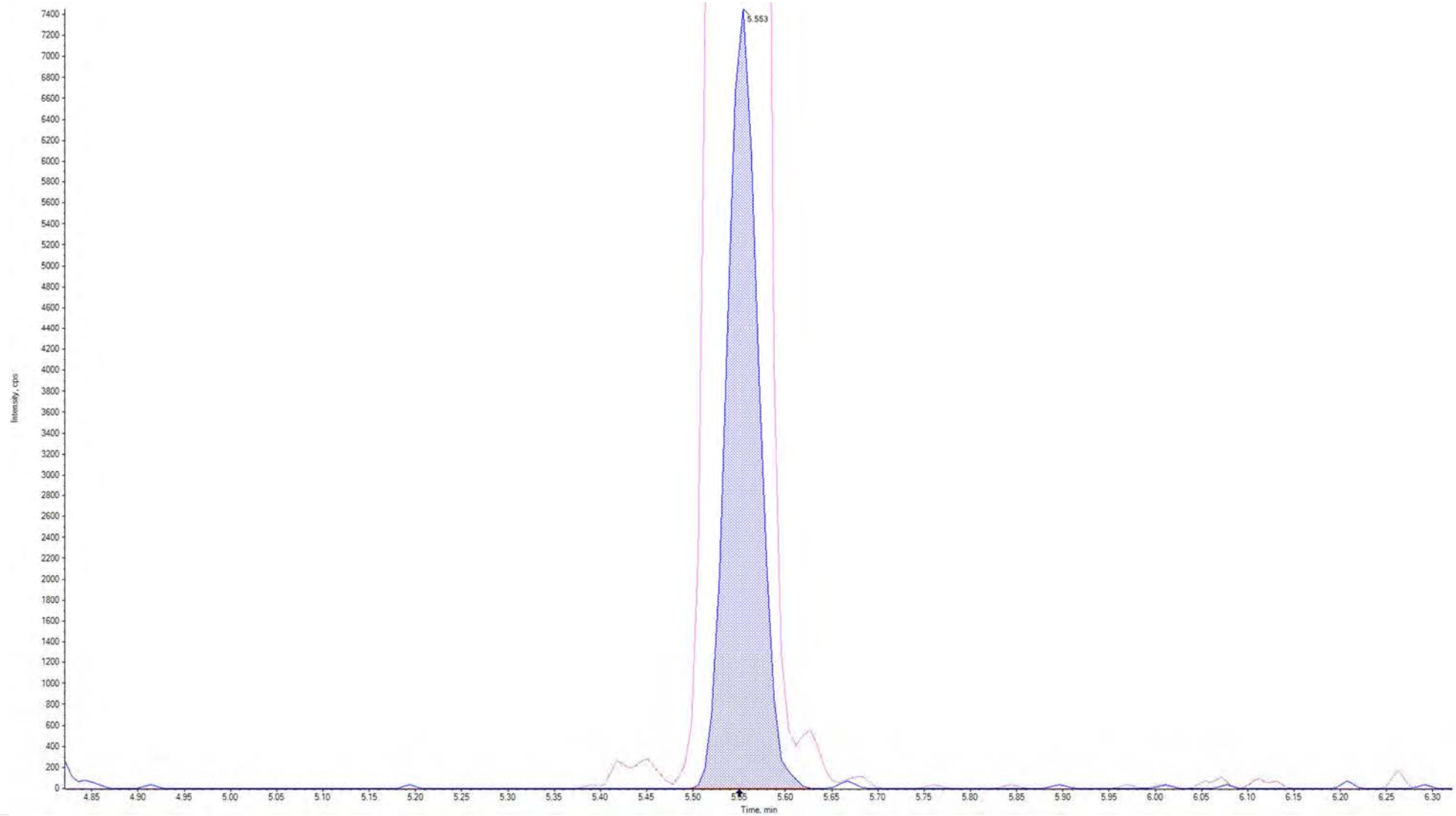
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_26.wiff2_2
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

PFTeDA
Sample: IA1633STD-.5 S/N:1123.8 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\250228\SCI07_250228_26.wiff2_2
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

PFTeDA_2
Sample: IA1633STD-.5 S/N:205.4 Points Across peak:20



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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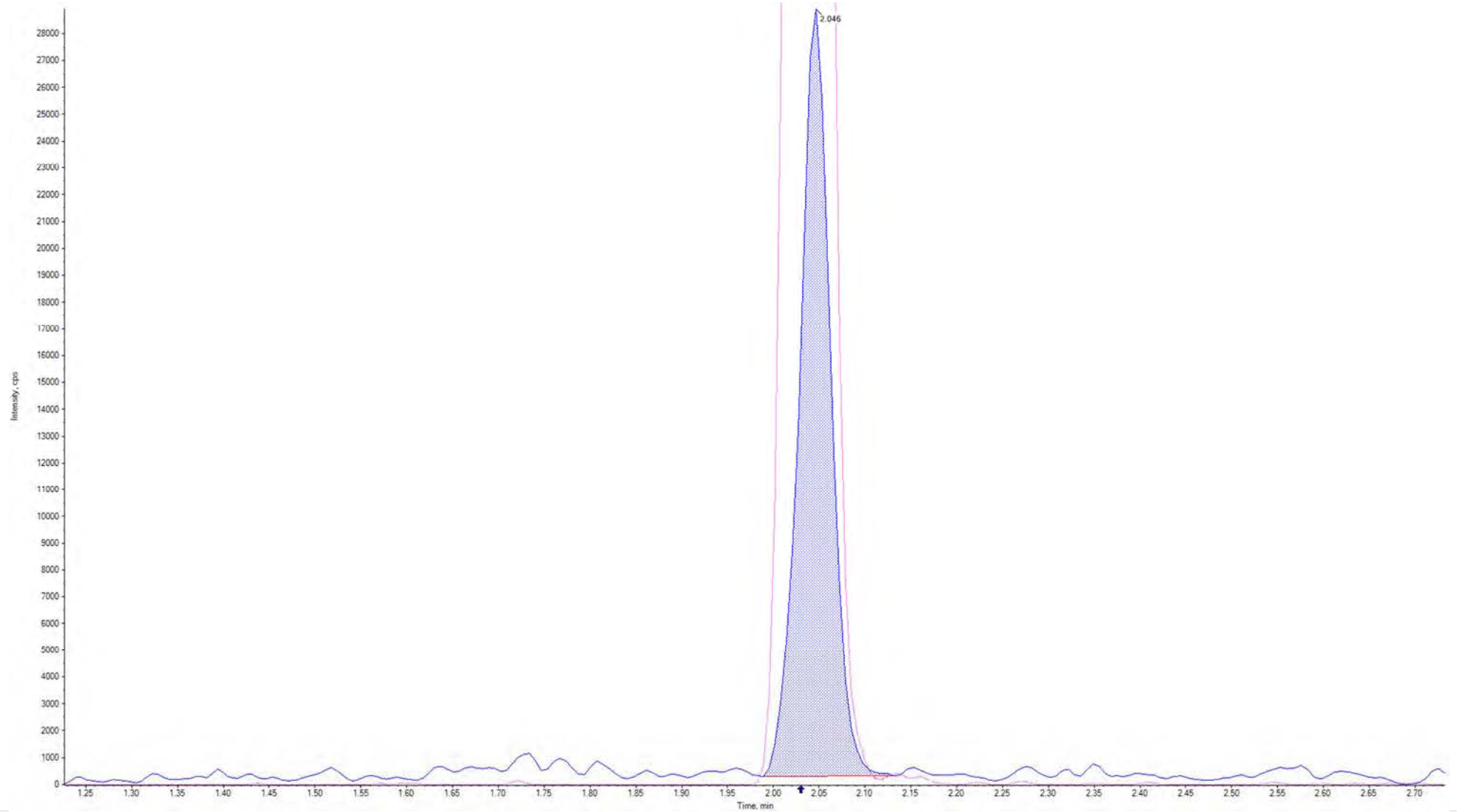
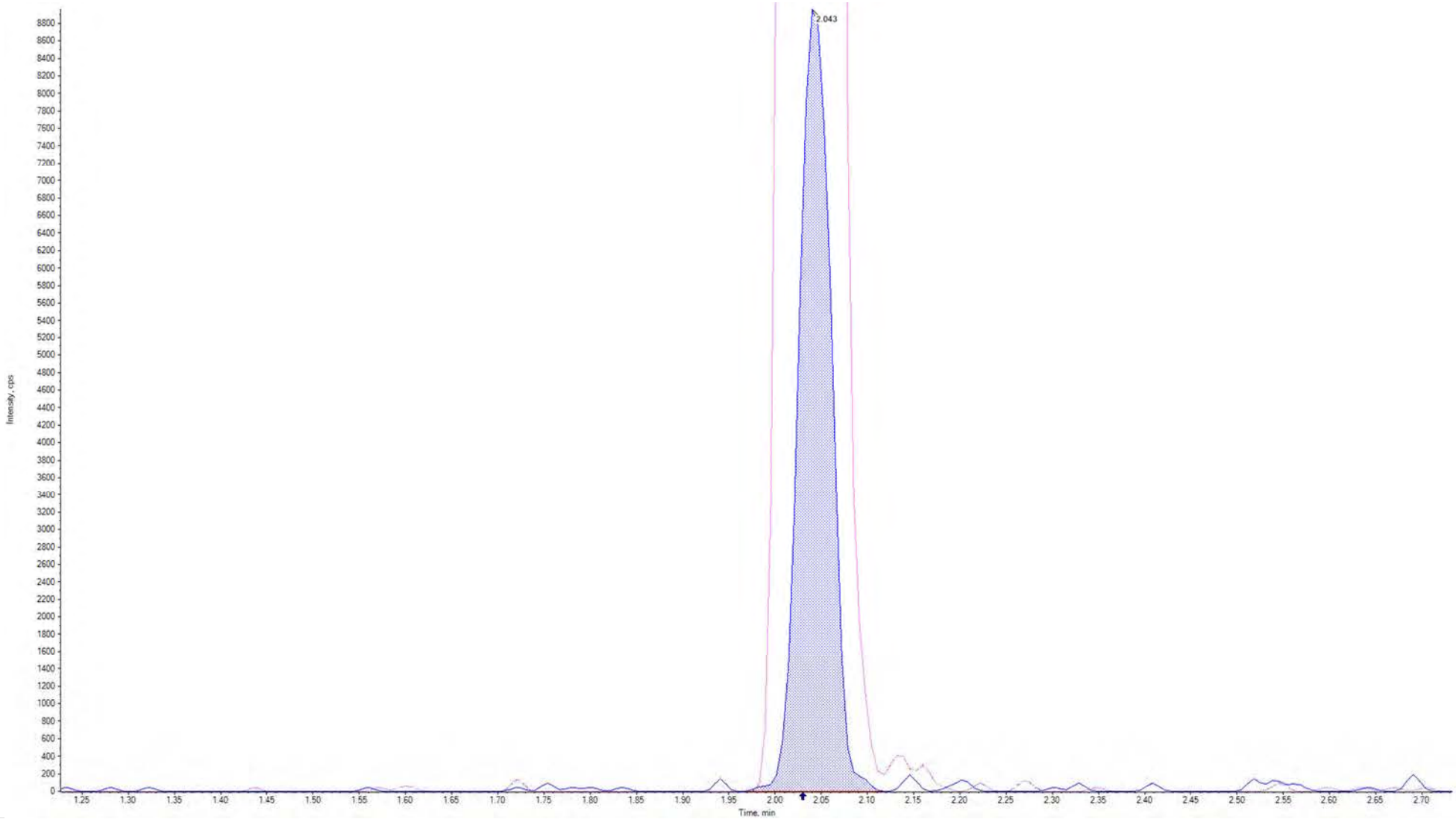
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

PFBS
Sample: IA1633STD-.5 S/N:573.2 Points Across peak:23



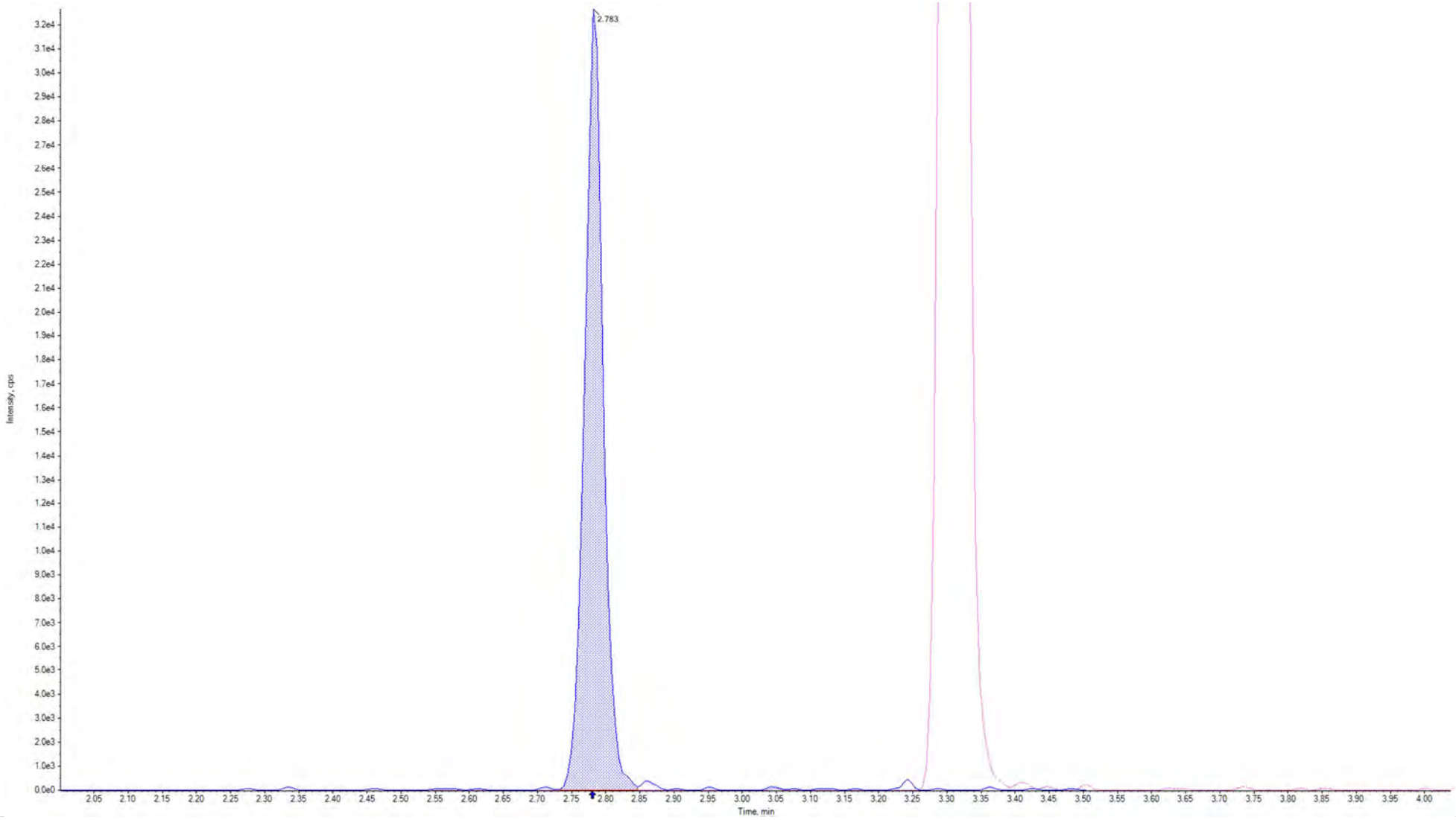
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_26.wiff2_2
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

PFBS_2
Sample: IA1633STD-.5 S/N:179.7 Points Across peak:25



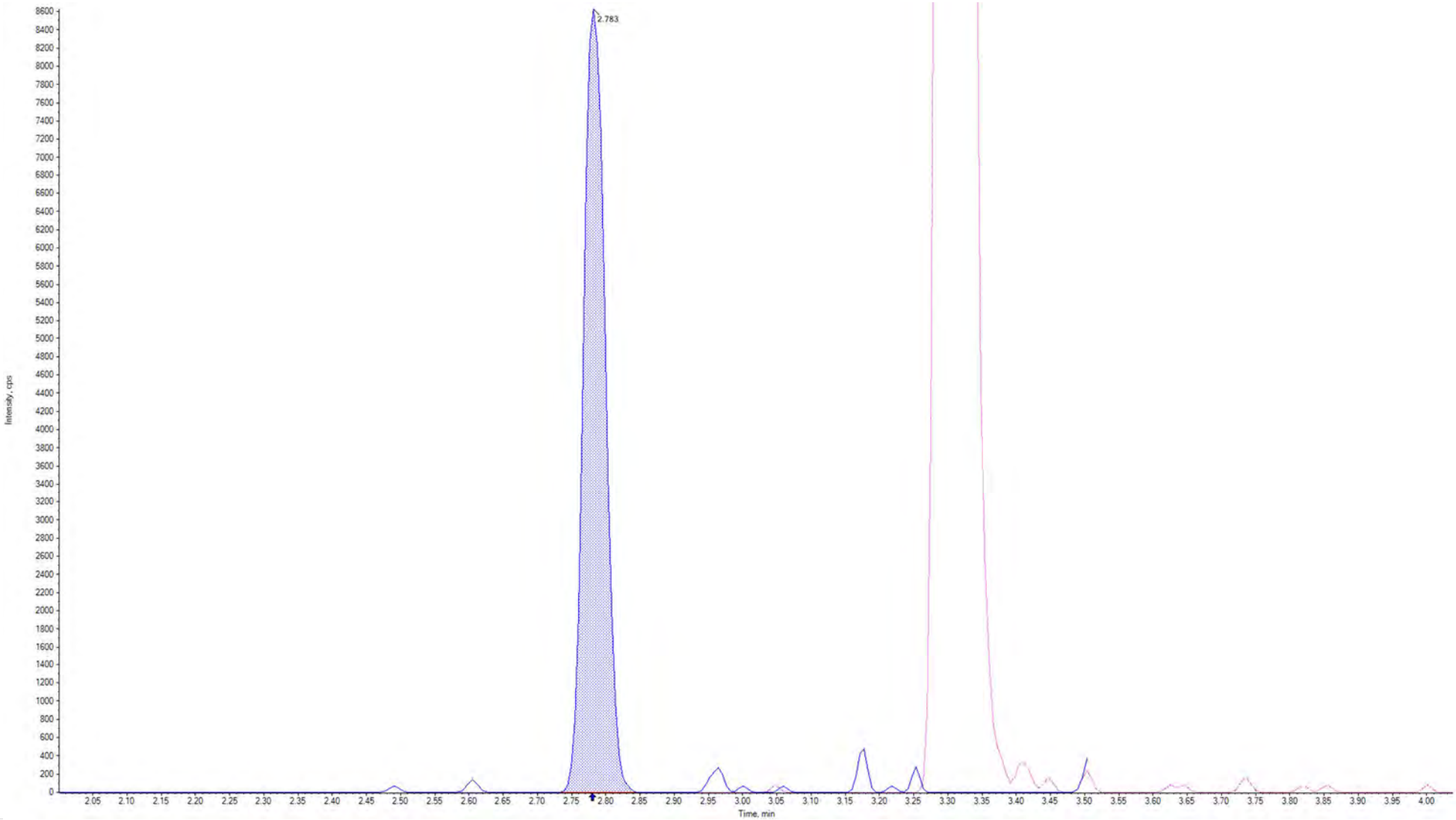
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_26.wiff2_2
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

PFPeS
Sample: IA1633STD-.5 S/N:491.0 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\250228\SCI07_250228_26.wiff2_2
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

PFPeS_2
Sample: IA1633STD-.5 S/N:129.7 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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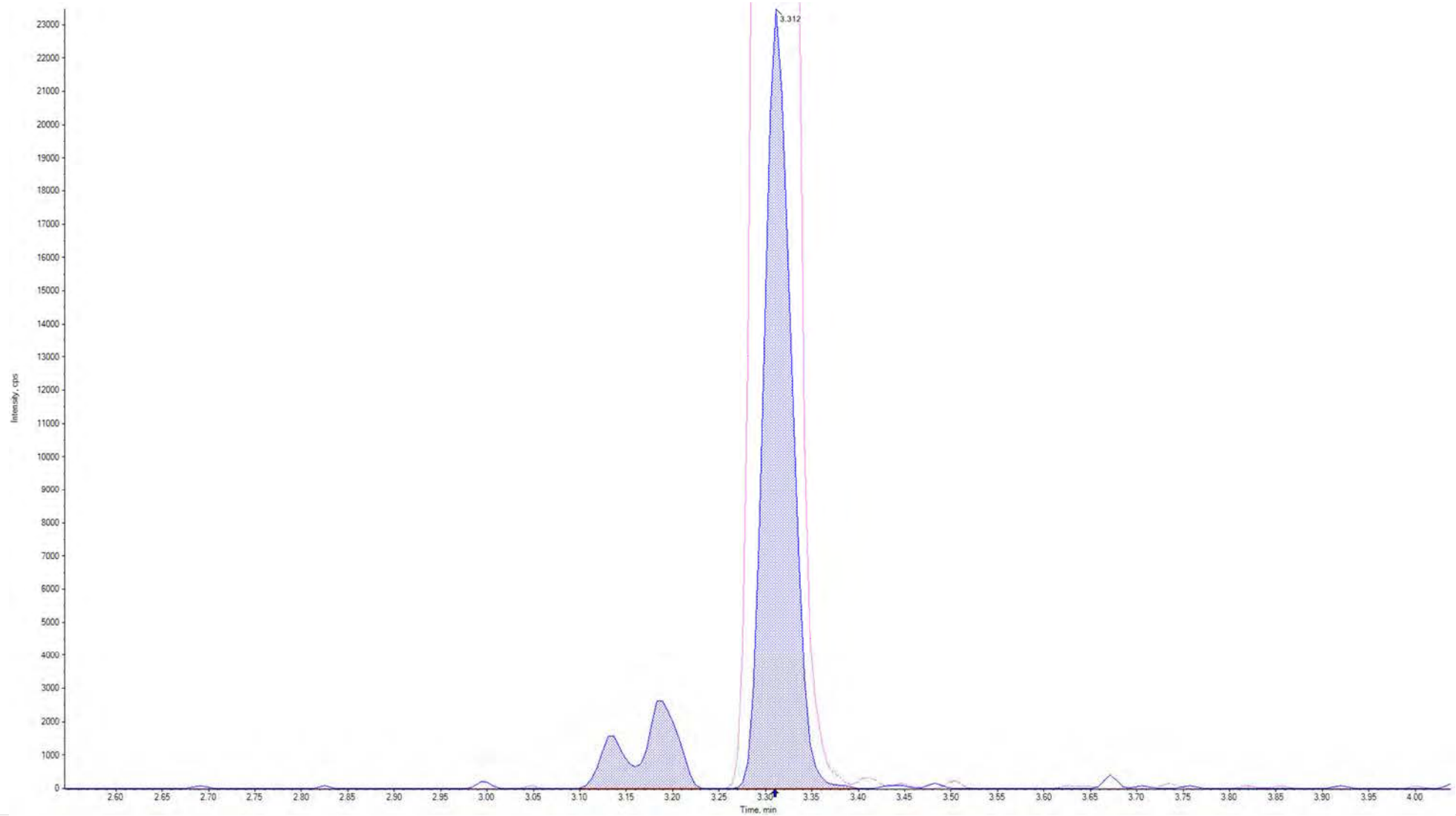
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

PFHxS
Sample: IA1633STD-.5 S/N:294.1 Points Across peak:53



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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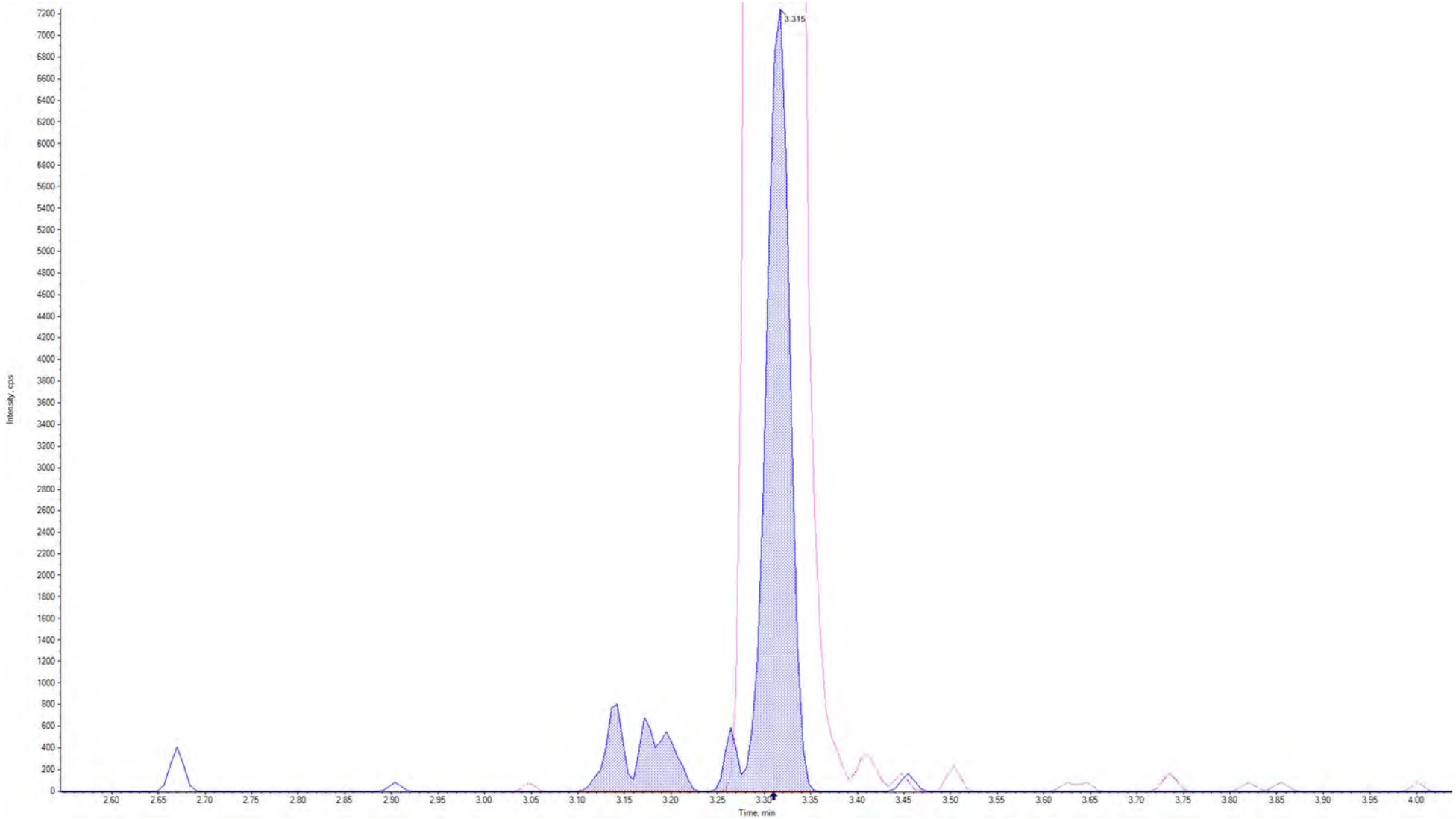
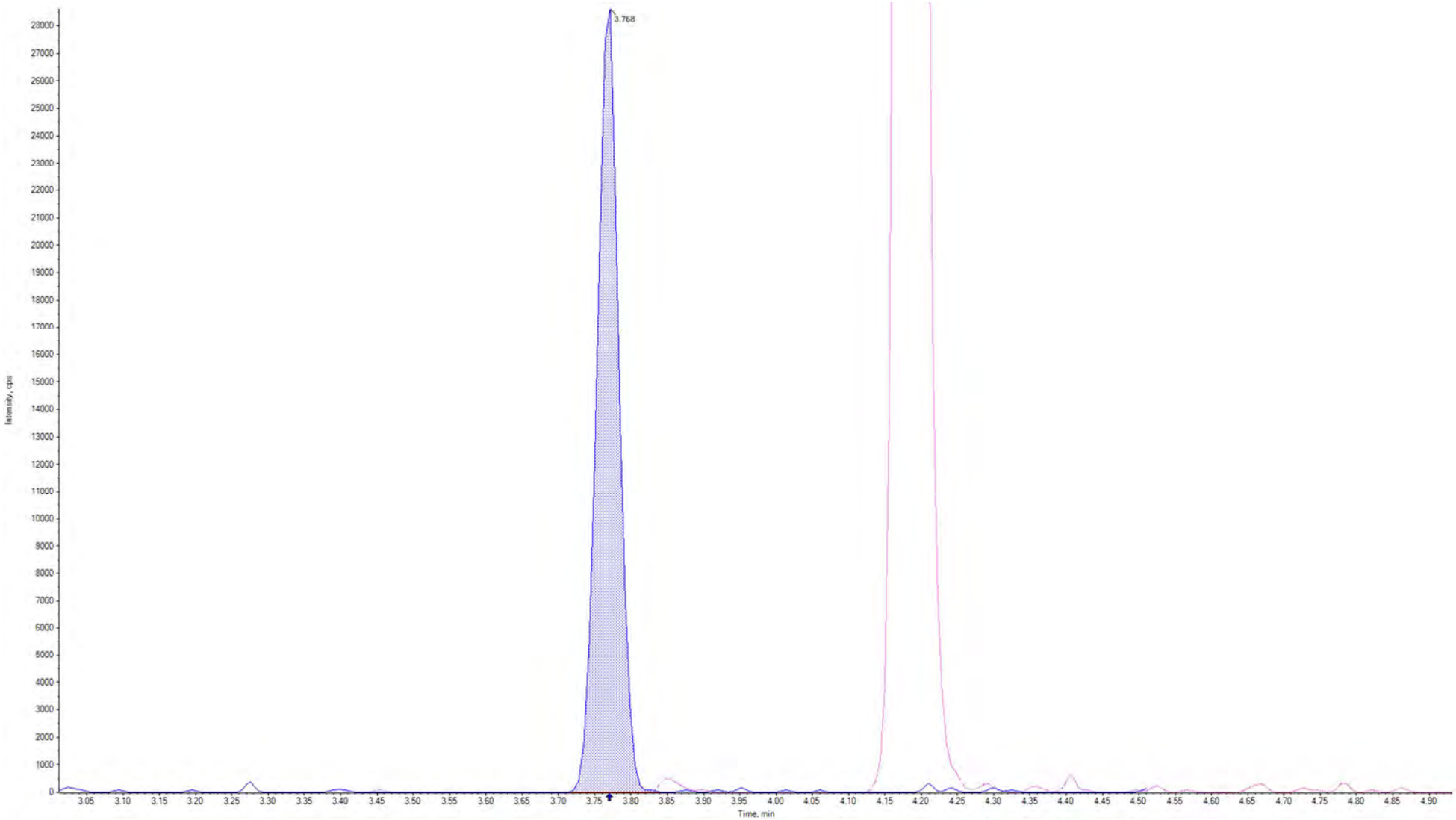
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

PFHxS_2
Sample: IA1633STD-.5 S/N:90.7 Points Across peak:54



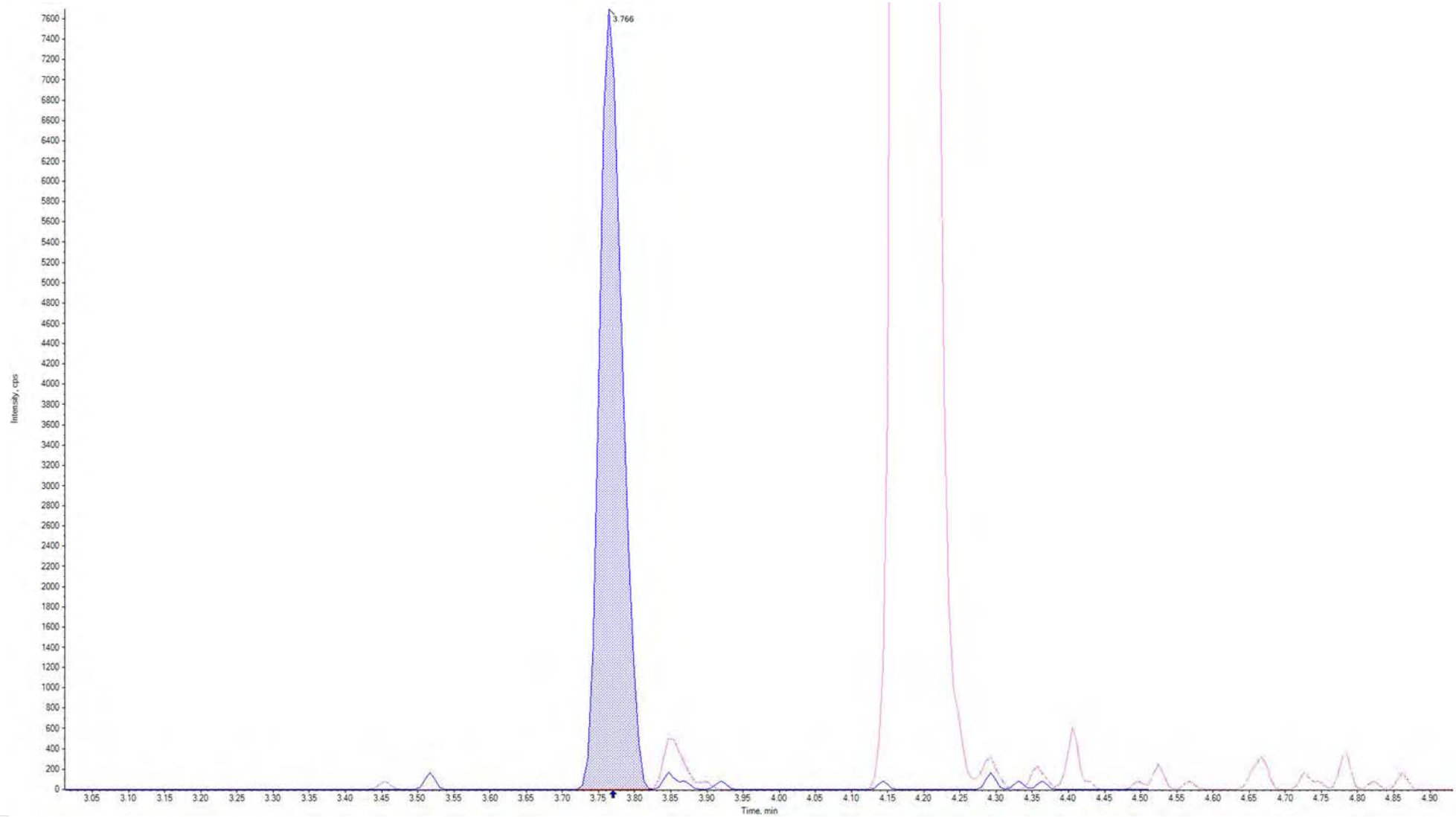
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_26.wiff2_2
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

PFHpS
Sample: IA1633STD-.5 S/N:358.5 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\250228\SCI07_250228_26.wiff2_2
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

PFHpS_2
Sample: IA1633STD-.5 S/N:96.4 Points Across peak:21



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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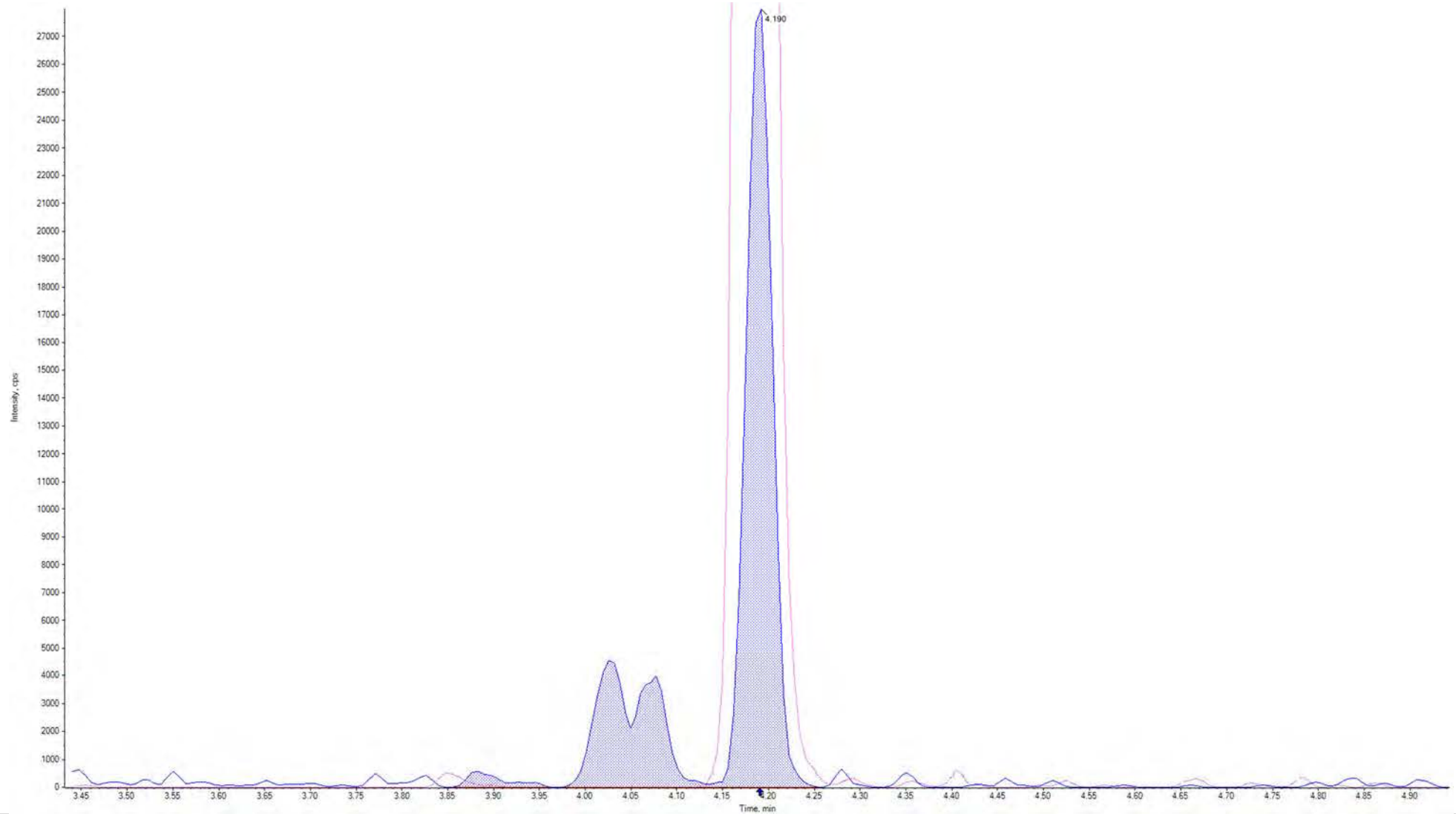
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

PFOS
Sample: IA1633STD-.5 S/N:260.9 Points Across peak:65



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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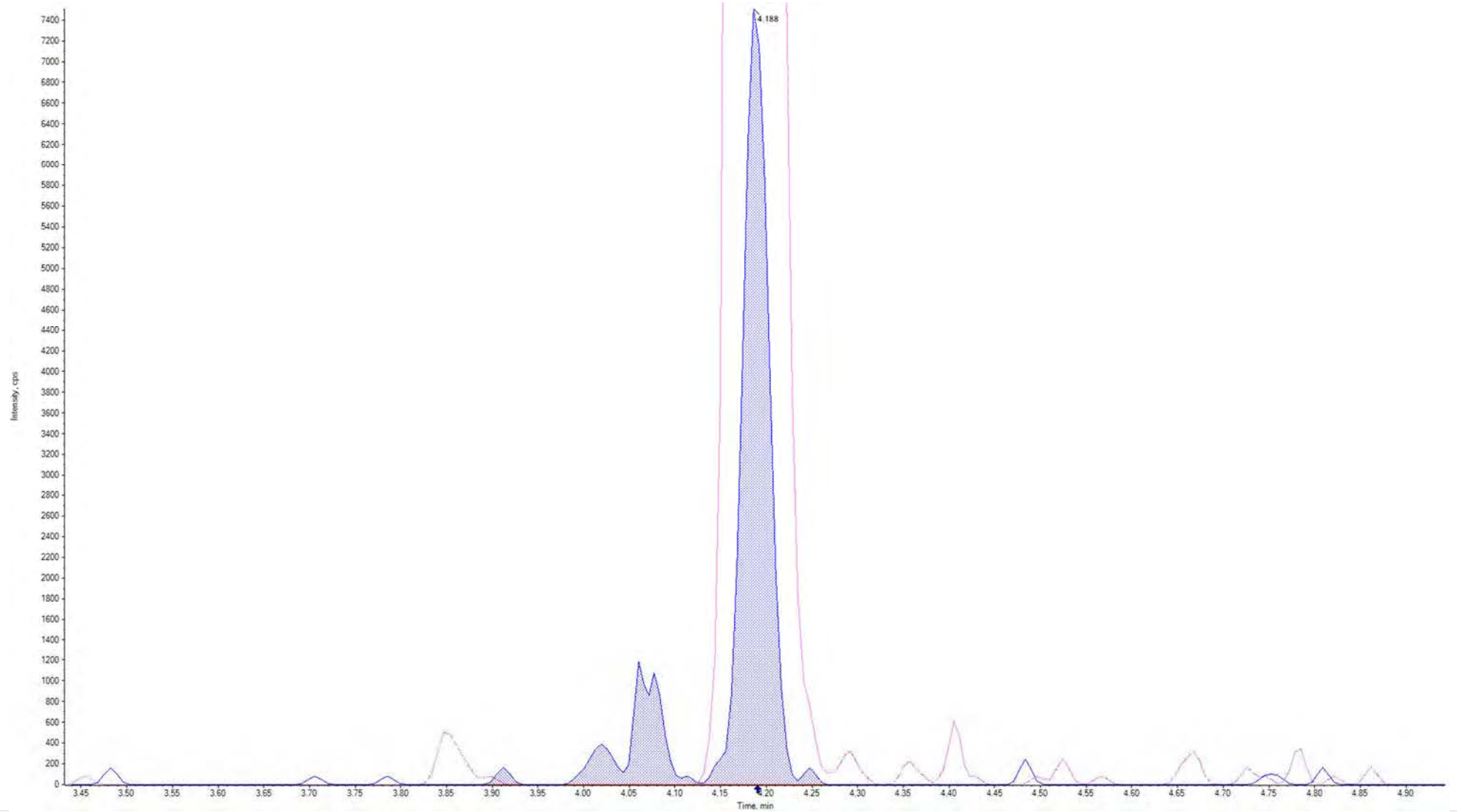
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

PFOS_2
Sample: IA1633STD-.5 S/N:94.1 Points Across peak:63



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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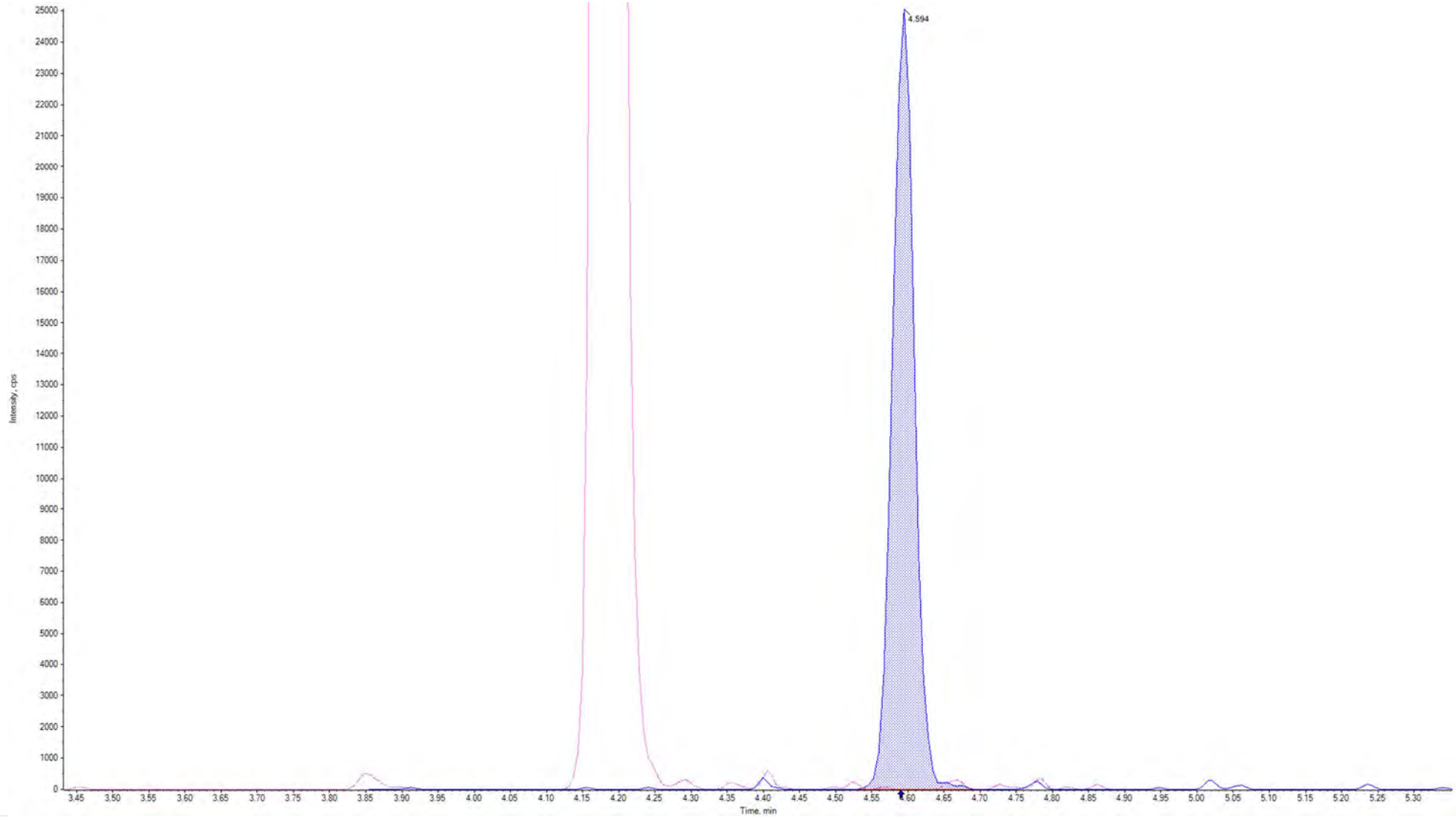
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

PFNS
Sample: IA1633STD-.5 S/N:376.7 Points Across peak:35



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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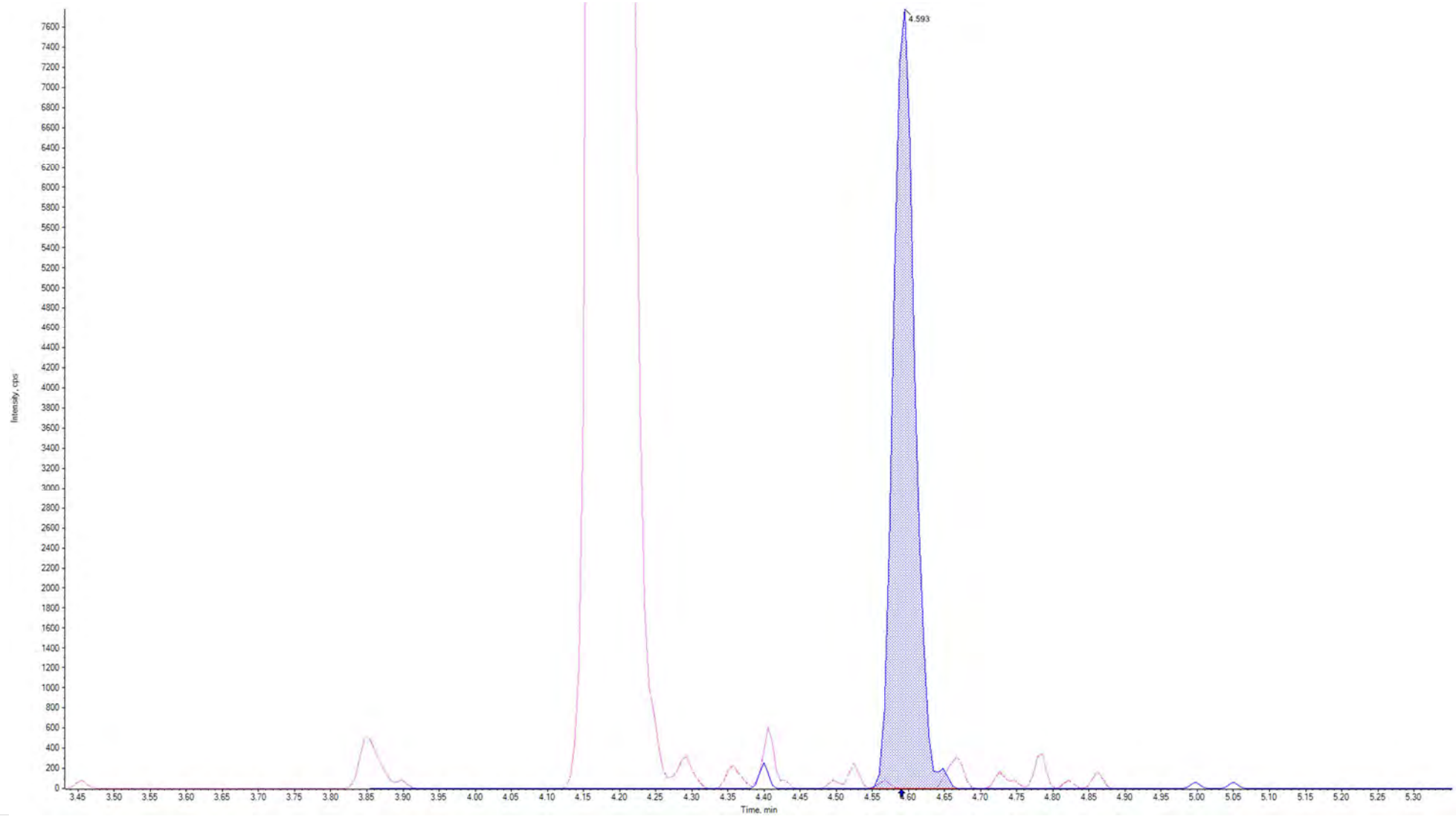
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

PFNS_2
Sample: IA1633STD-.5 S/N:117.0 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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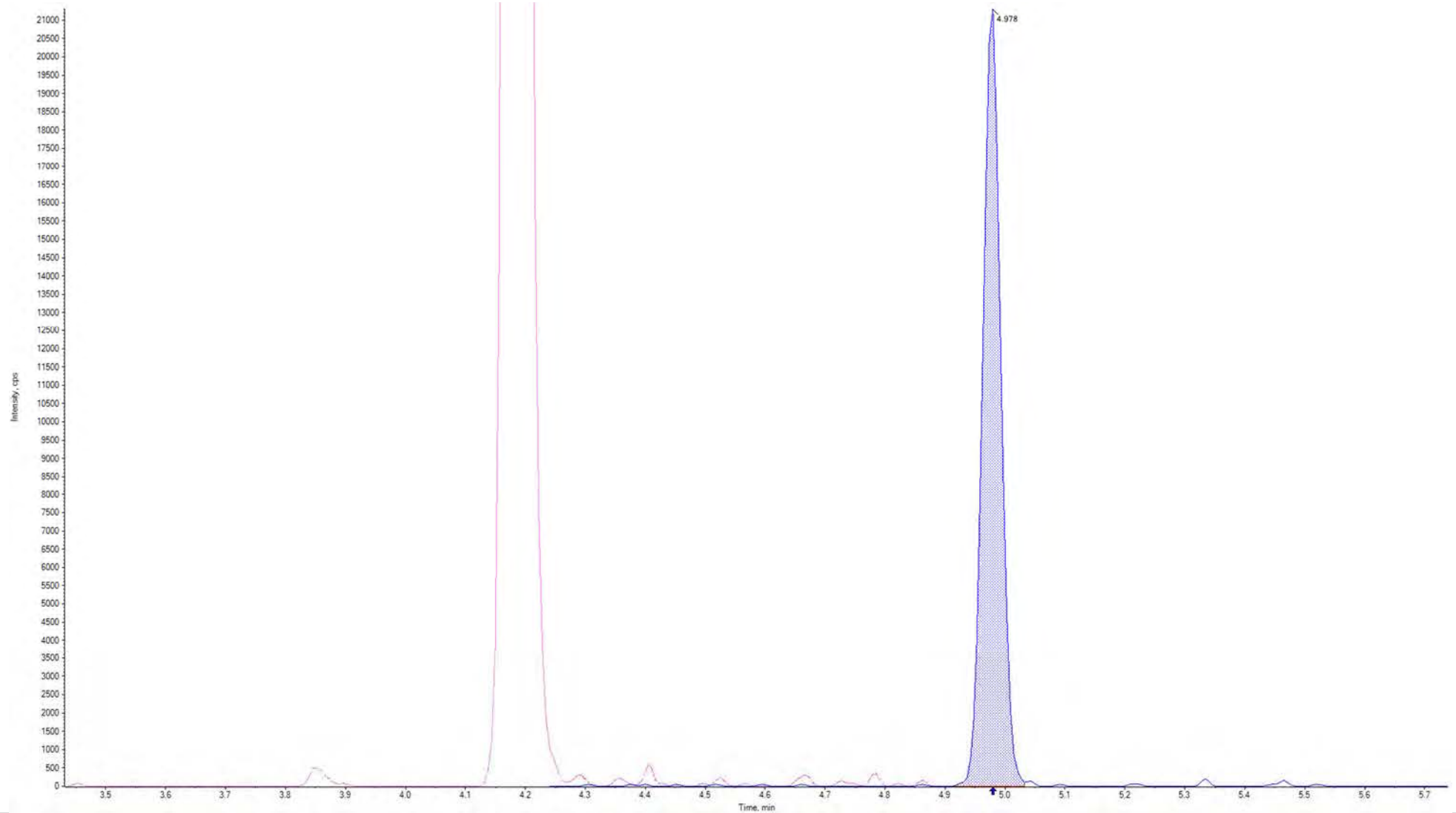
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

PFDS
Sample: IA1633STD-.5 S/N:373.8 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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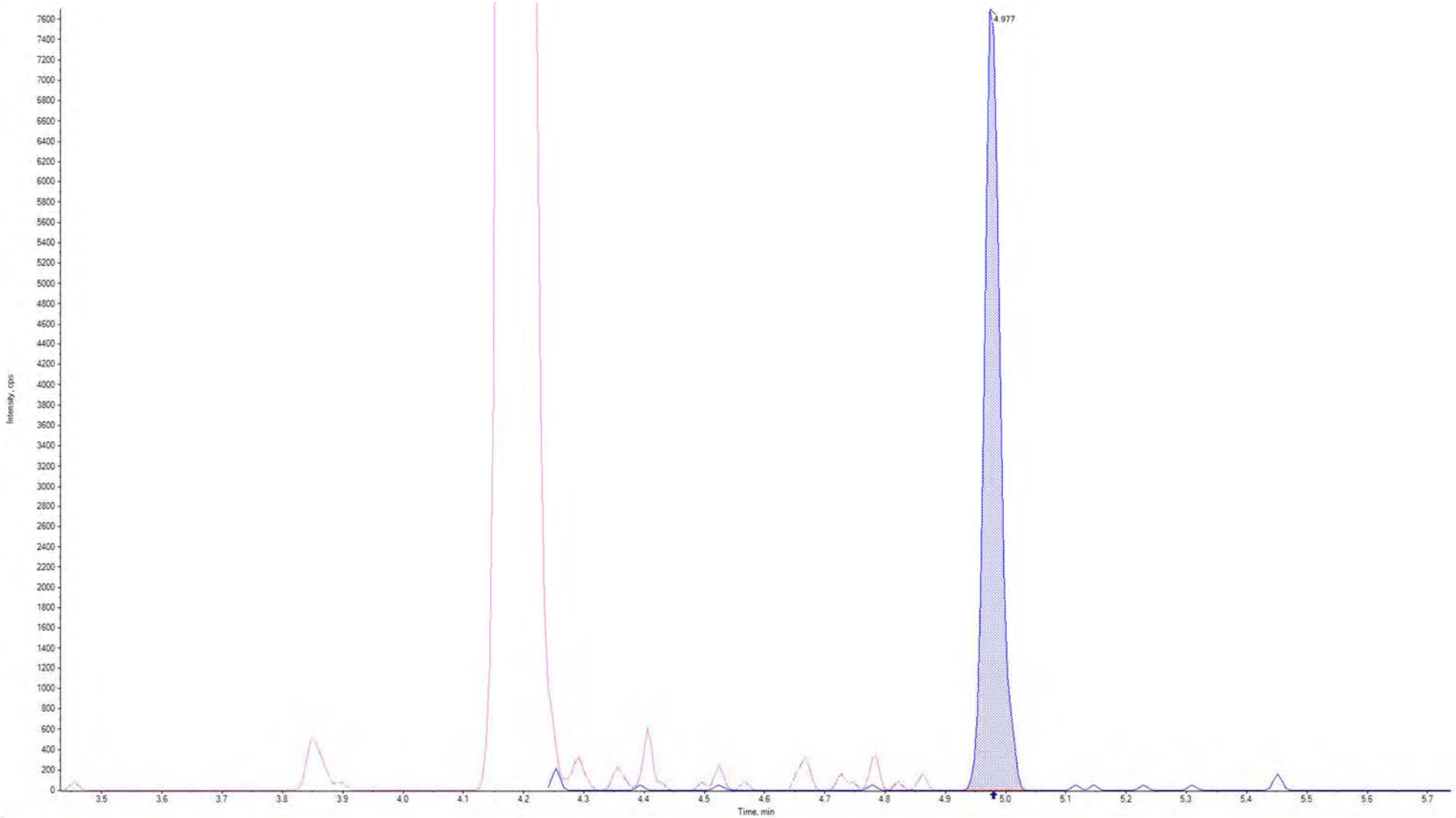
Generated: 2/28/2025 12:43:00 PM

PFDS_2
Sample: IA1633STD-.5 S/N:135.1 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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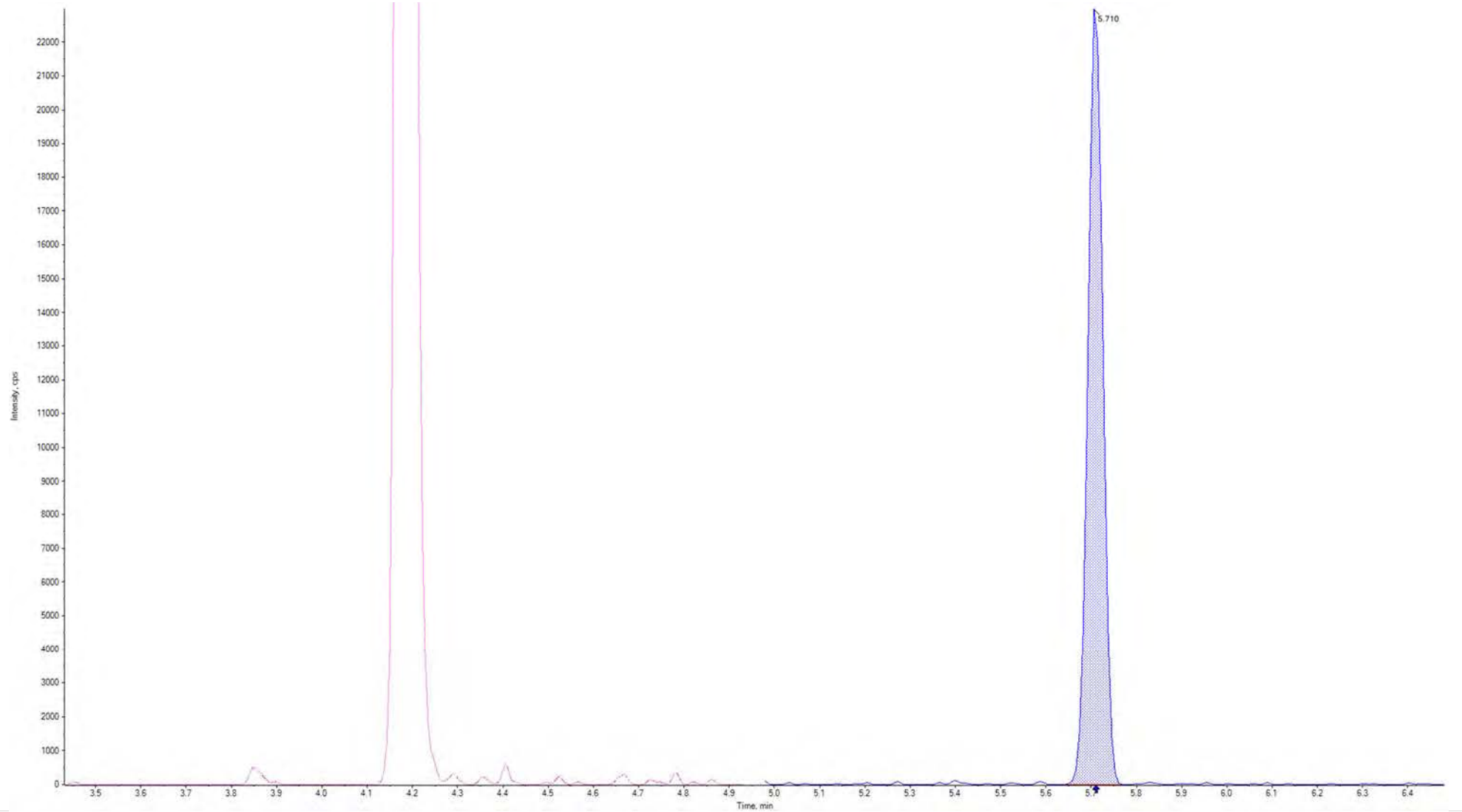
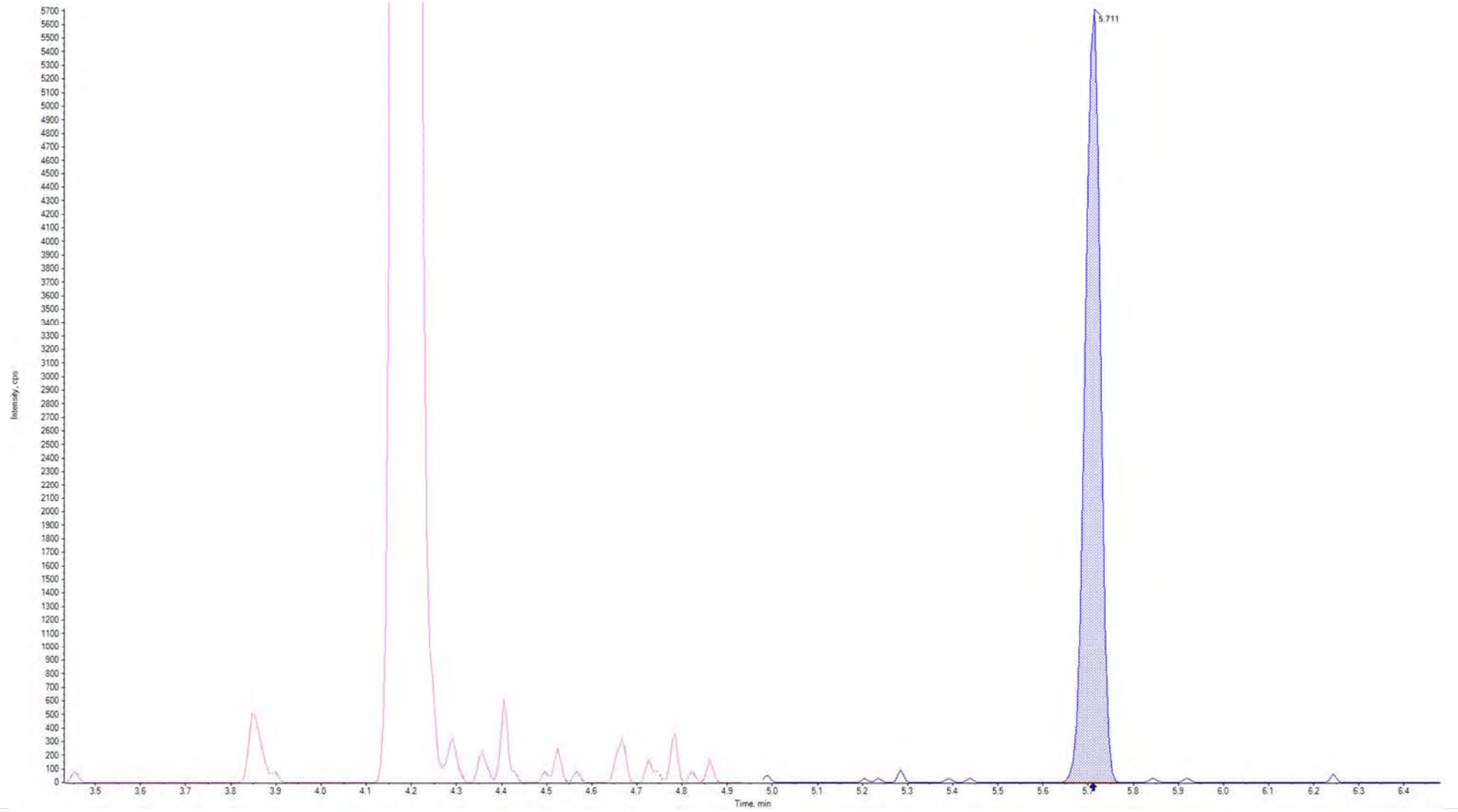
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

PFDoS
Sample: IA1633STD-.5 S/N:748.5 Points Across peak:20



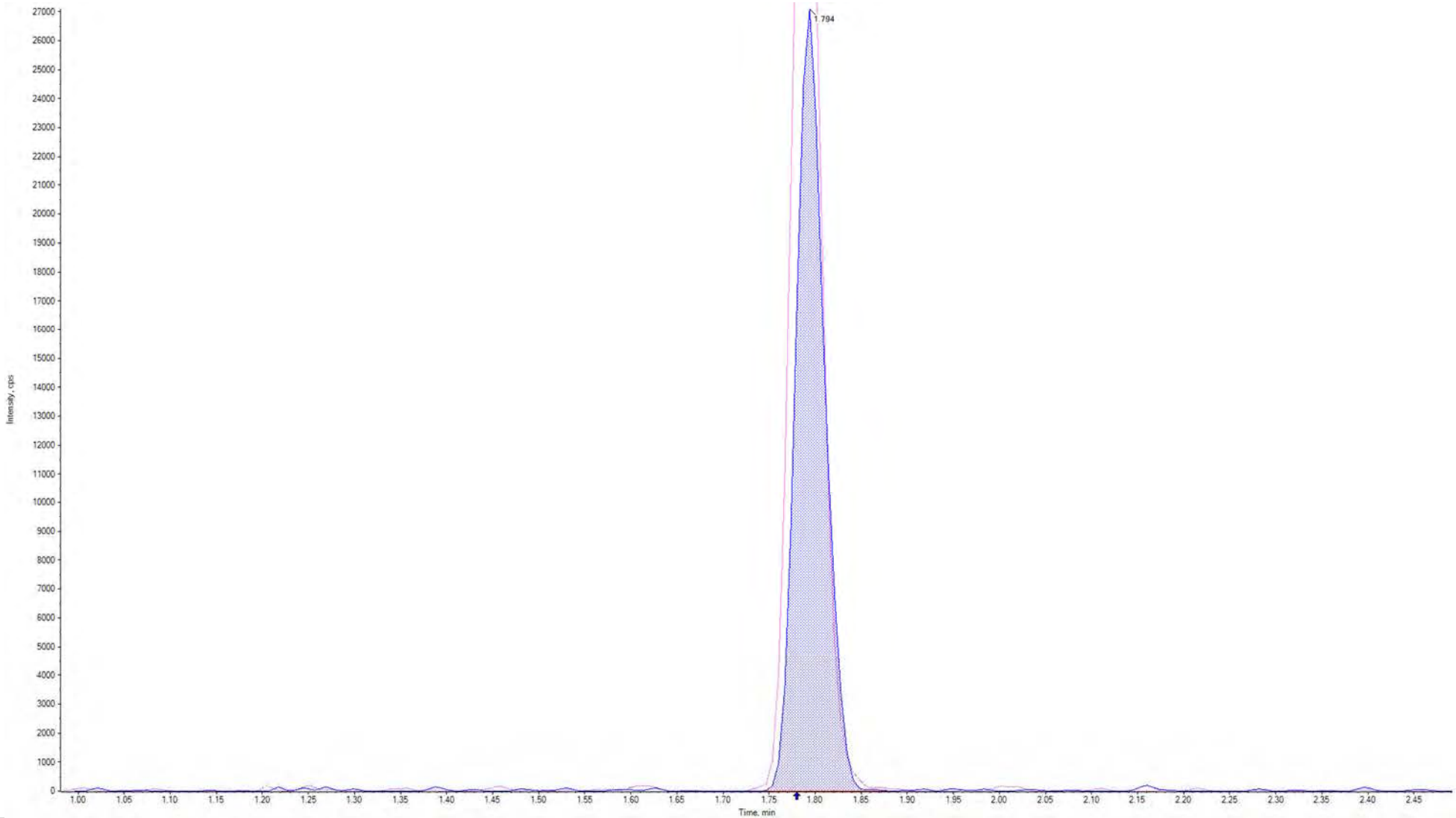
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_26.wiff2_2
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

PFDoS_2
Sample: IA1633STD-.5 S/N:186.2 Points Across peak:26



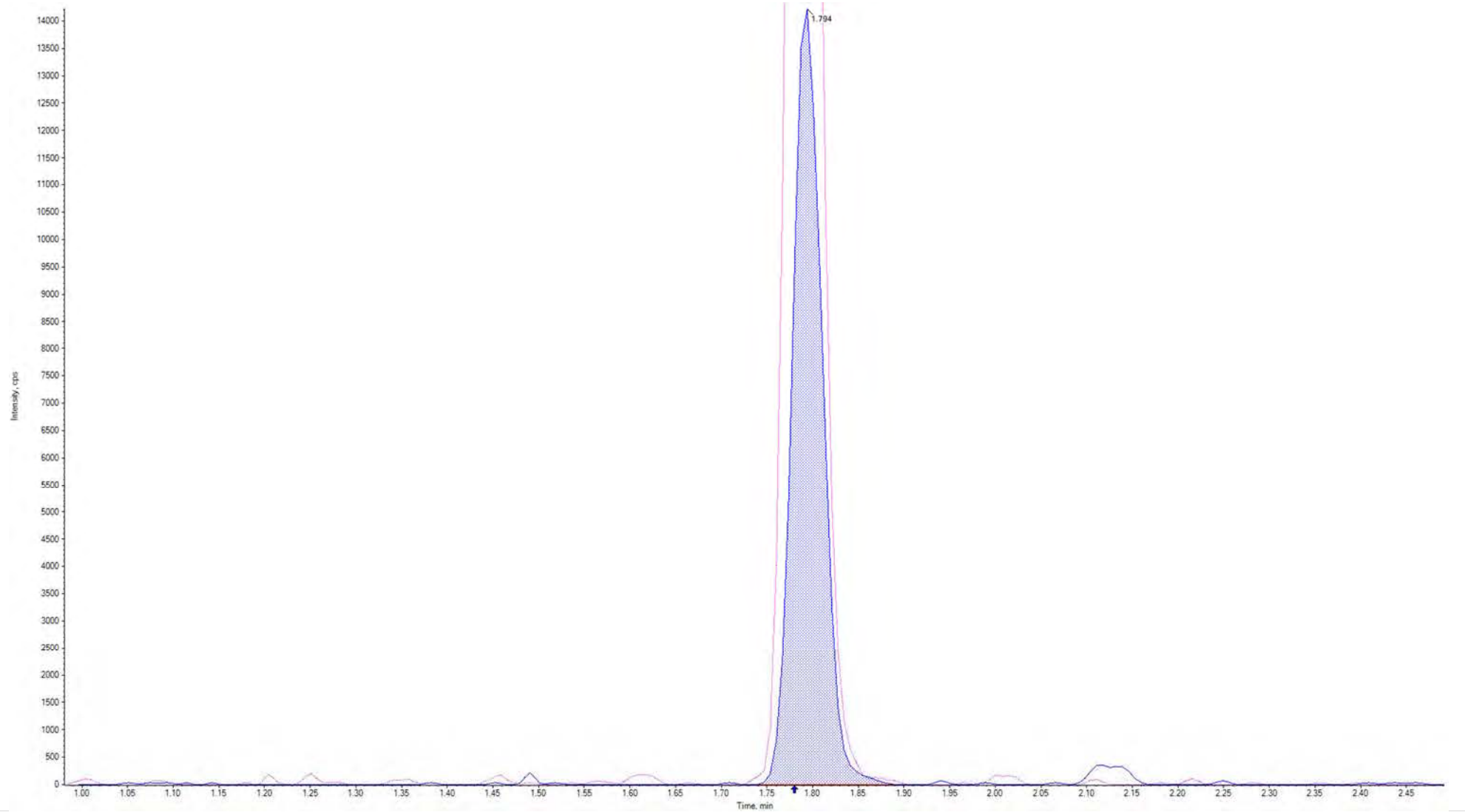
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_26.wiff2_2
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

4:2FTS
Sample: IA1633STD-.5 S/N:746.8 Points Across peak:24



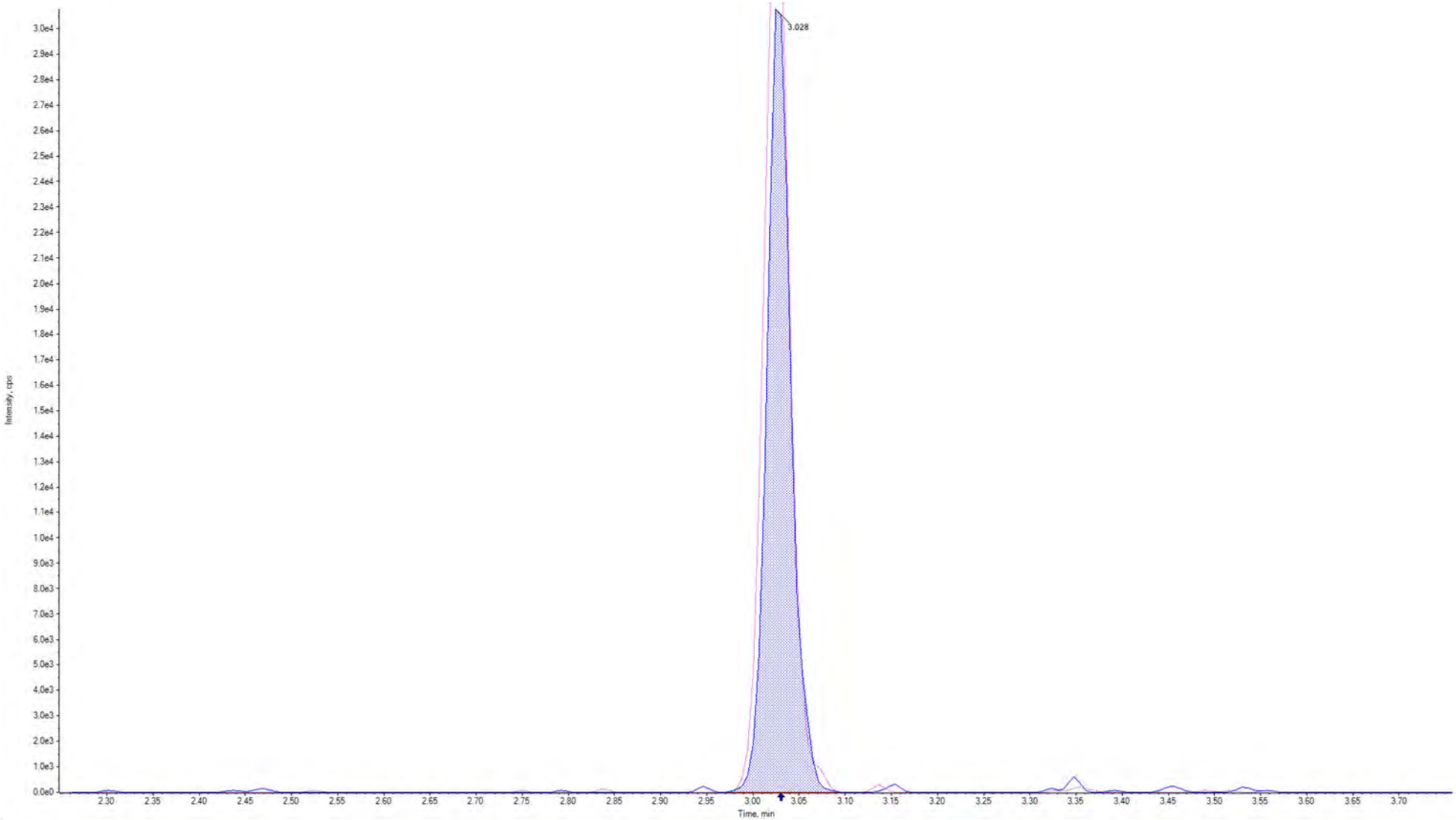
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_26.wiff2_2
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

4:2FTS_2
Sample: IA1633STD-.5 S/N:392.0 Points Across peak:28



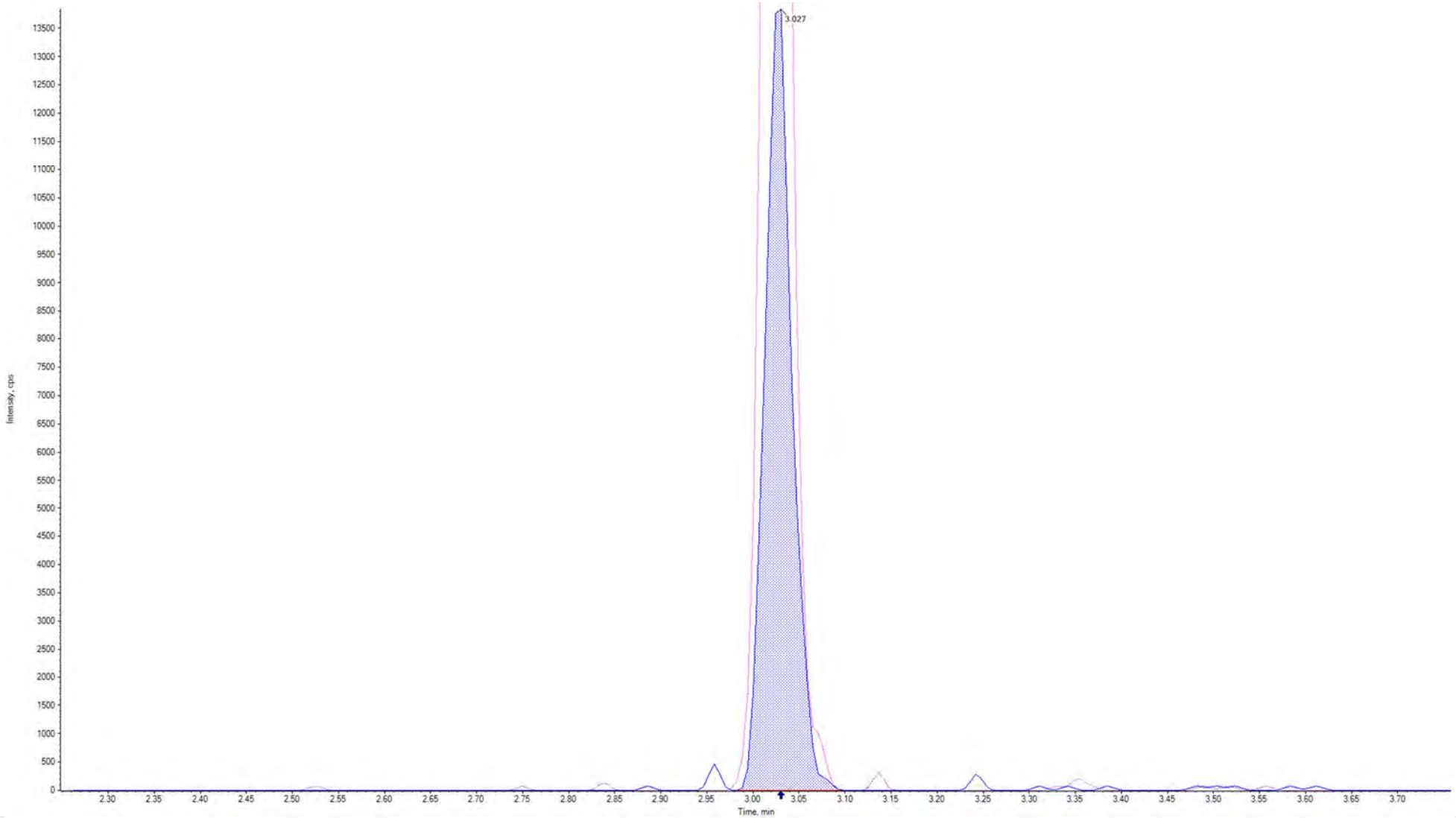
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_26.wiff2_2
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

6:2FTS
Sample: IA1633STD-.5 S/N:385.5 Points Across peak:26



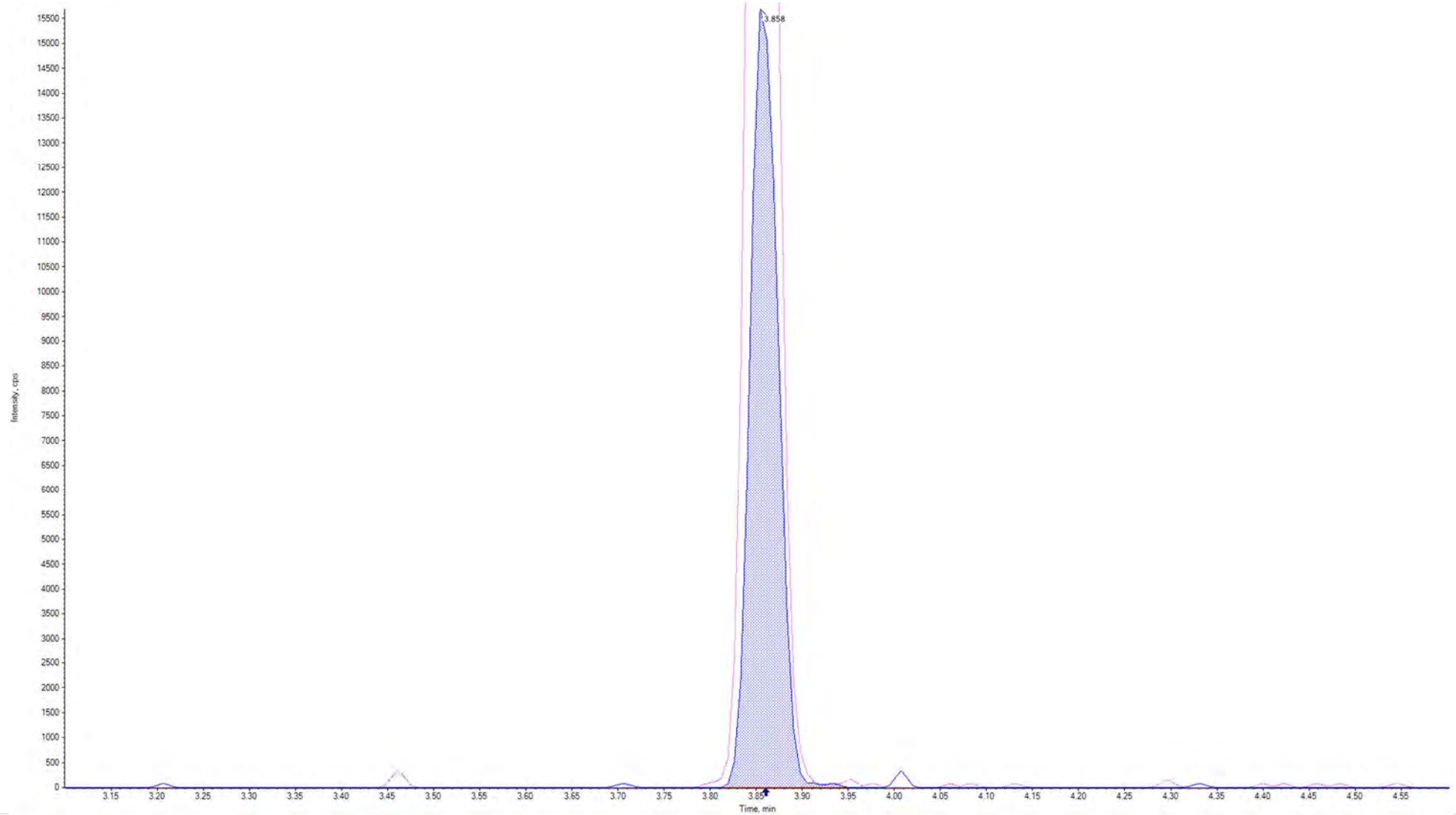
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_26.wiff2_2
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

6:2FTS_2
Sample: IA1633STD-.5 S/N:173.4 Points Across peak:22



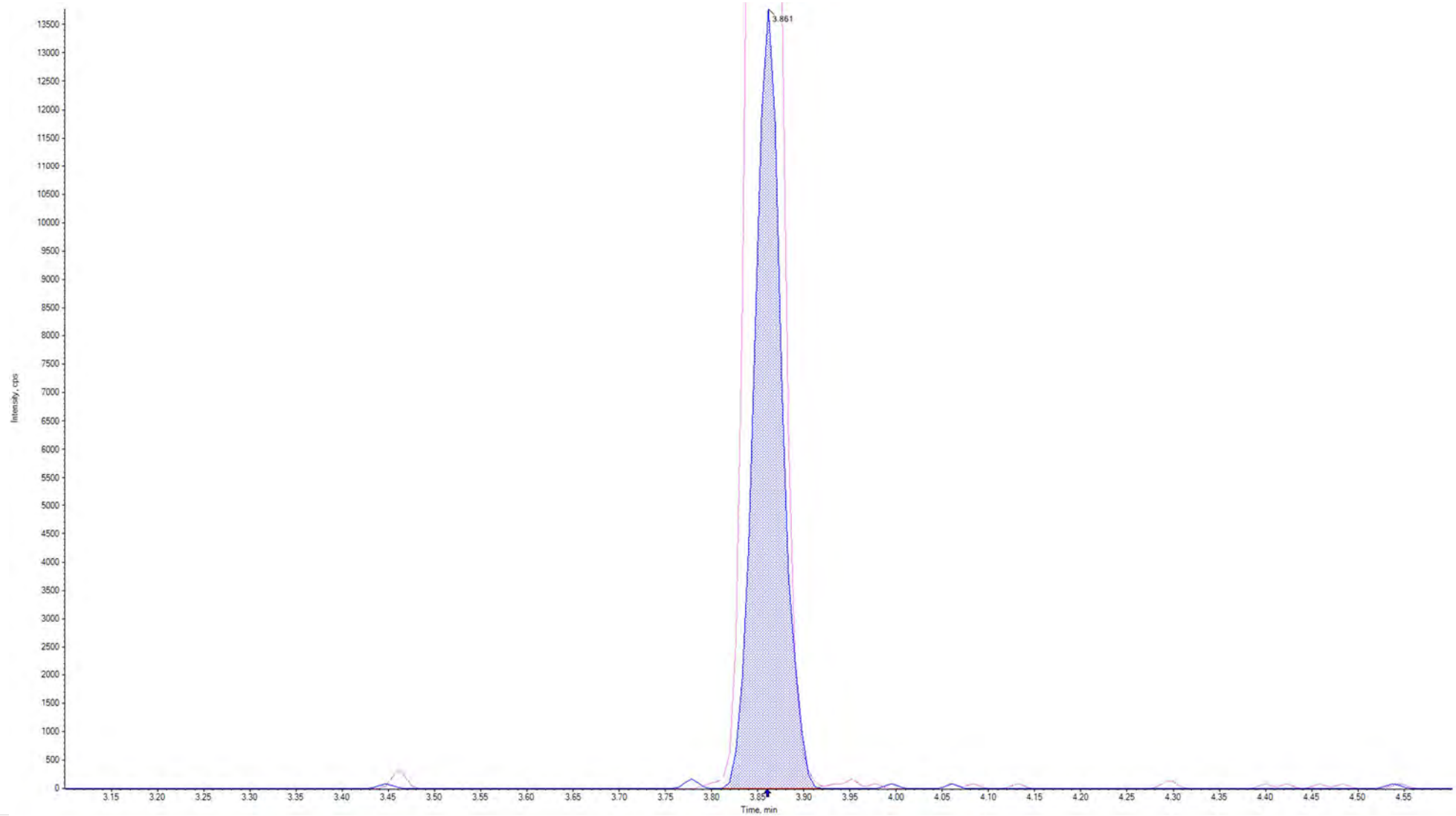
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_26.wiff2_2
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

8:2FTS
Sample: IA1633STD-.5 S/N:196.6 Points Across peak:29



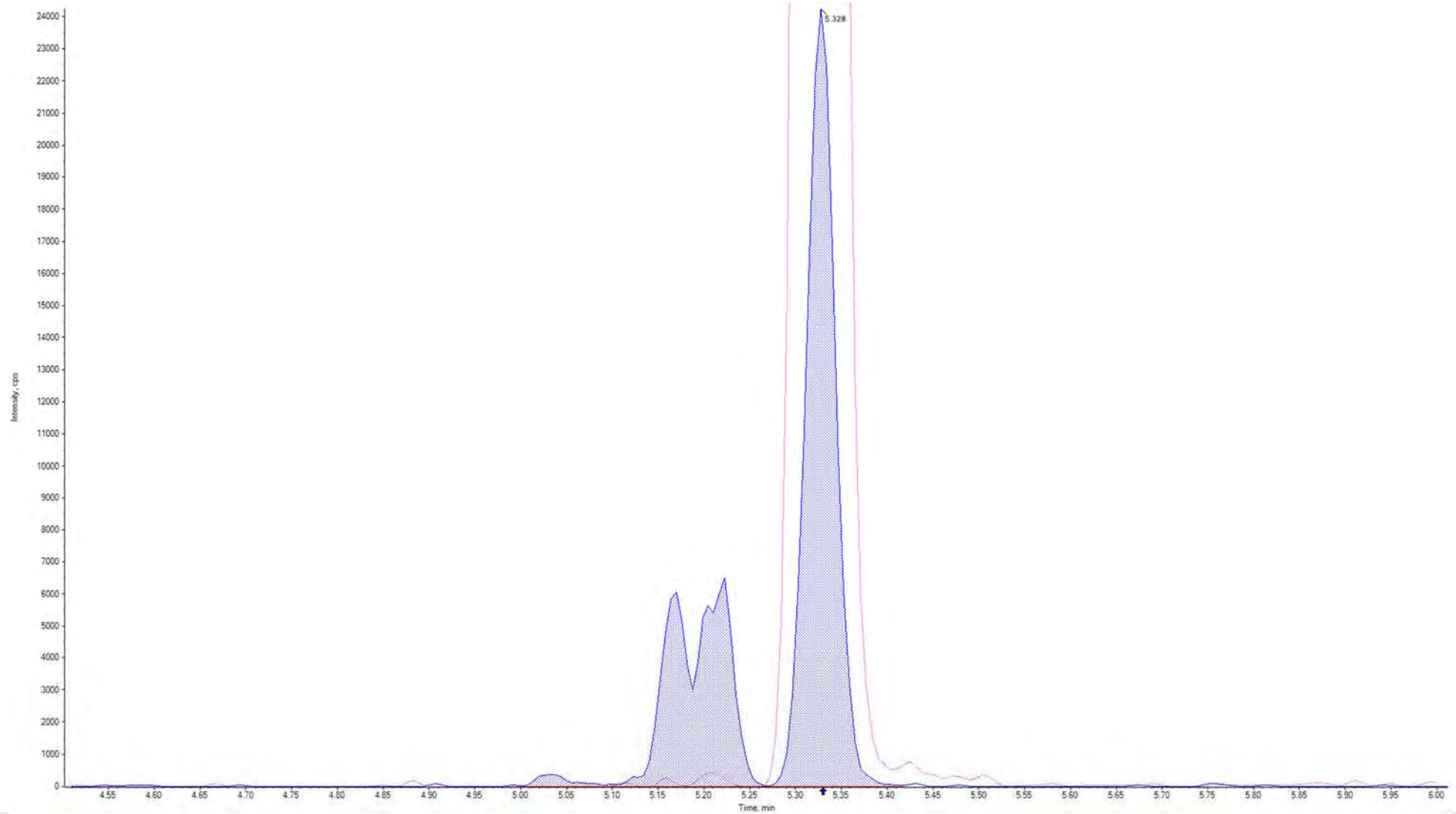
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_26.wiff2_2
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

8:2FTS_2
Sample: IA1633STD-.5 S/N:172.5 Points Across peak:21



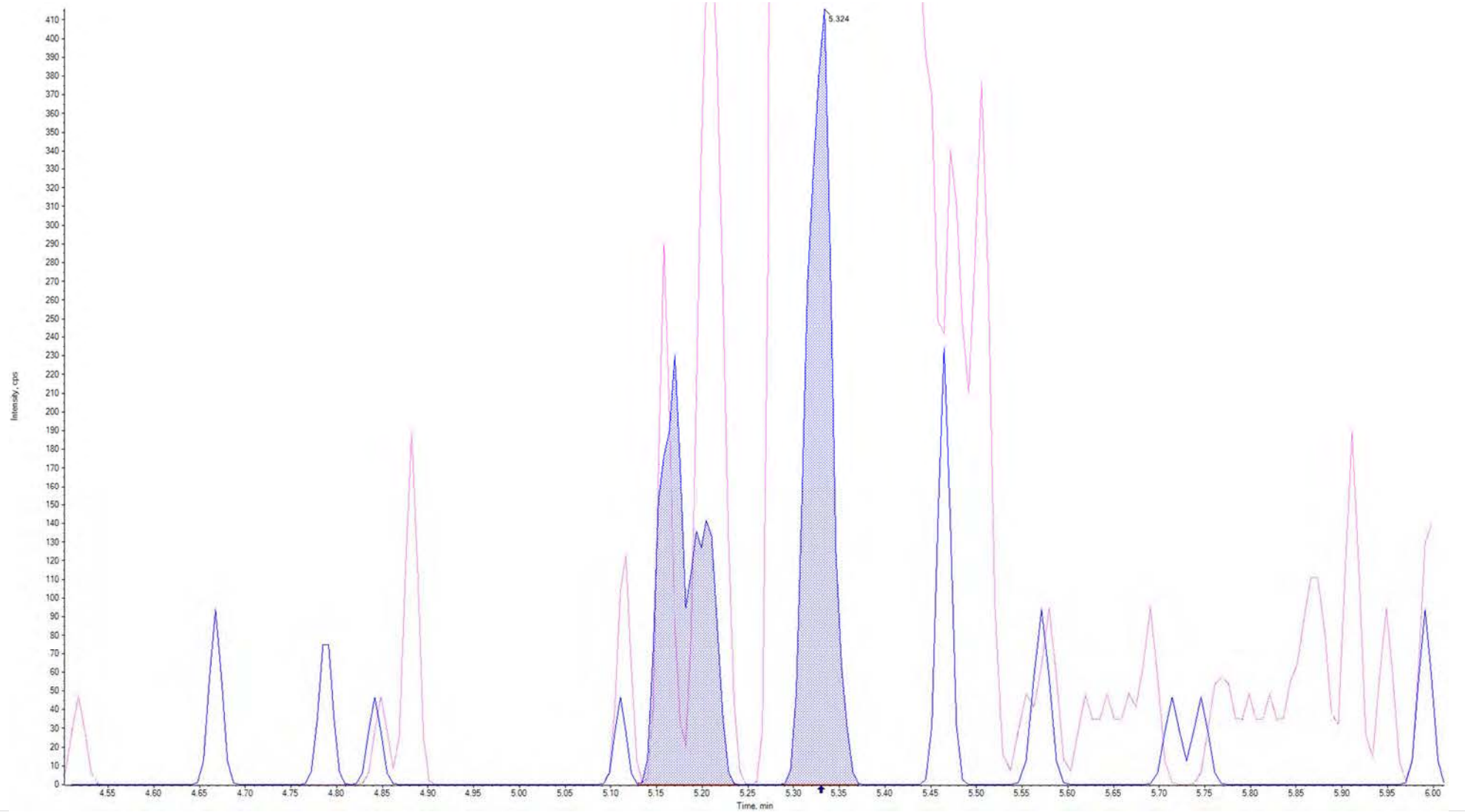
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_26.wiff2_2
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

PFOSA
Sample: IA1633STD-.5 S/N:546.4 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\250228\SCI07_250228_26.wiff2_2
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

PFOSA_2
Sample: IA1633STD-.5 S/N:9.4 Points Across peak:42



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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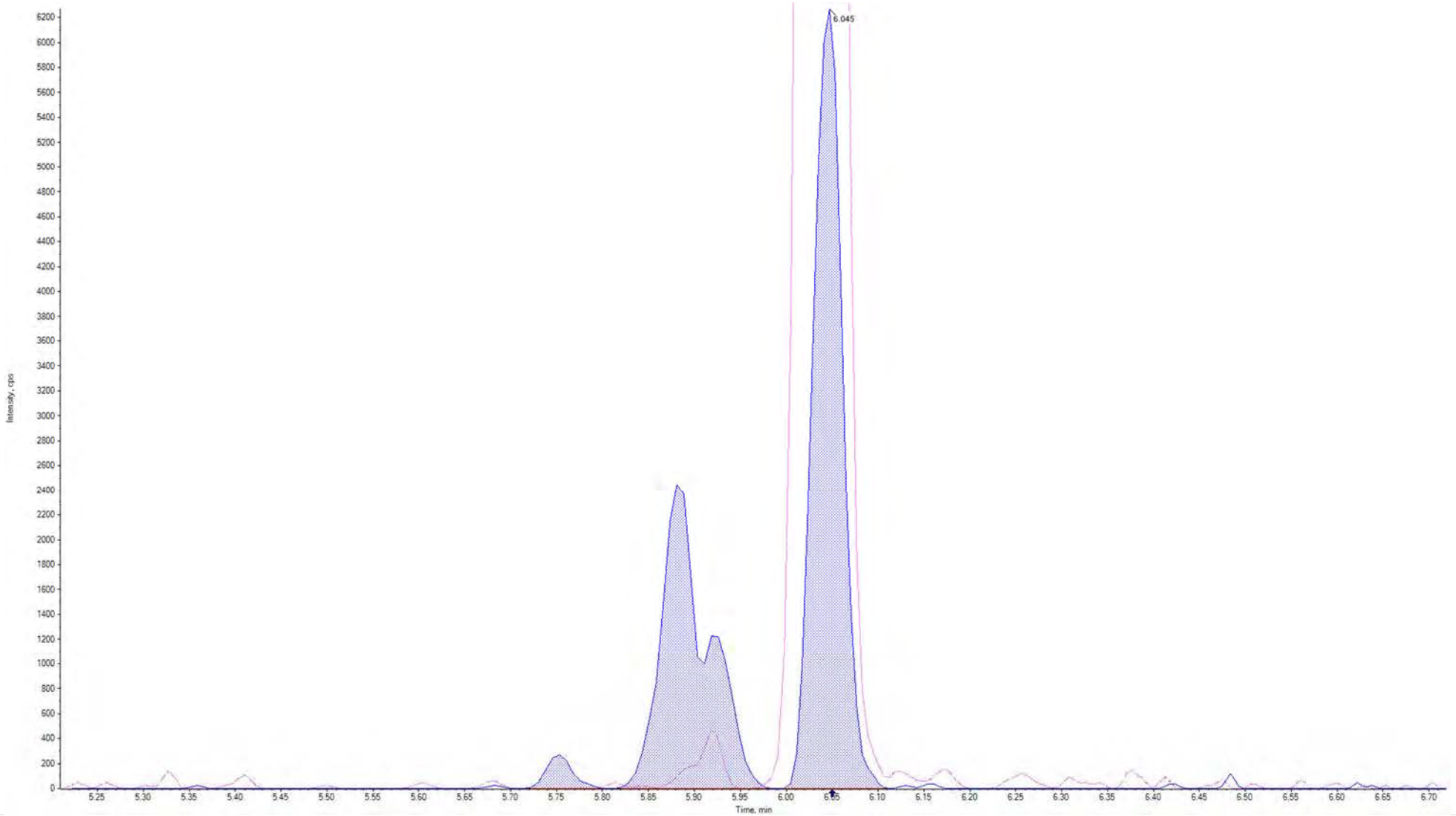
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

NMeFOSA
Sample: IA1633STD-.5 S/N:267.0 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\250228\SCI07_250228_26.wiff2_2
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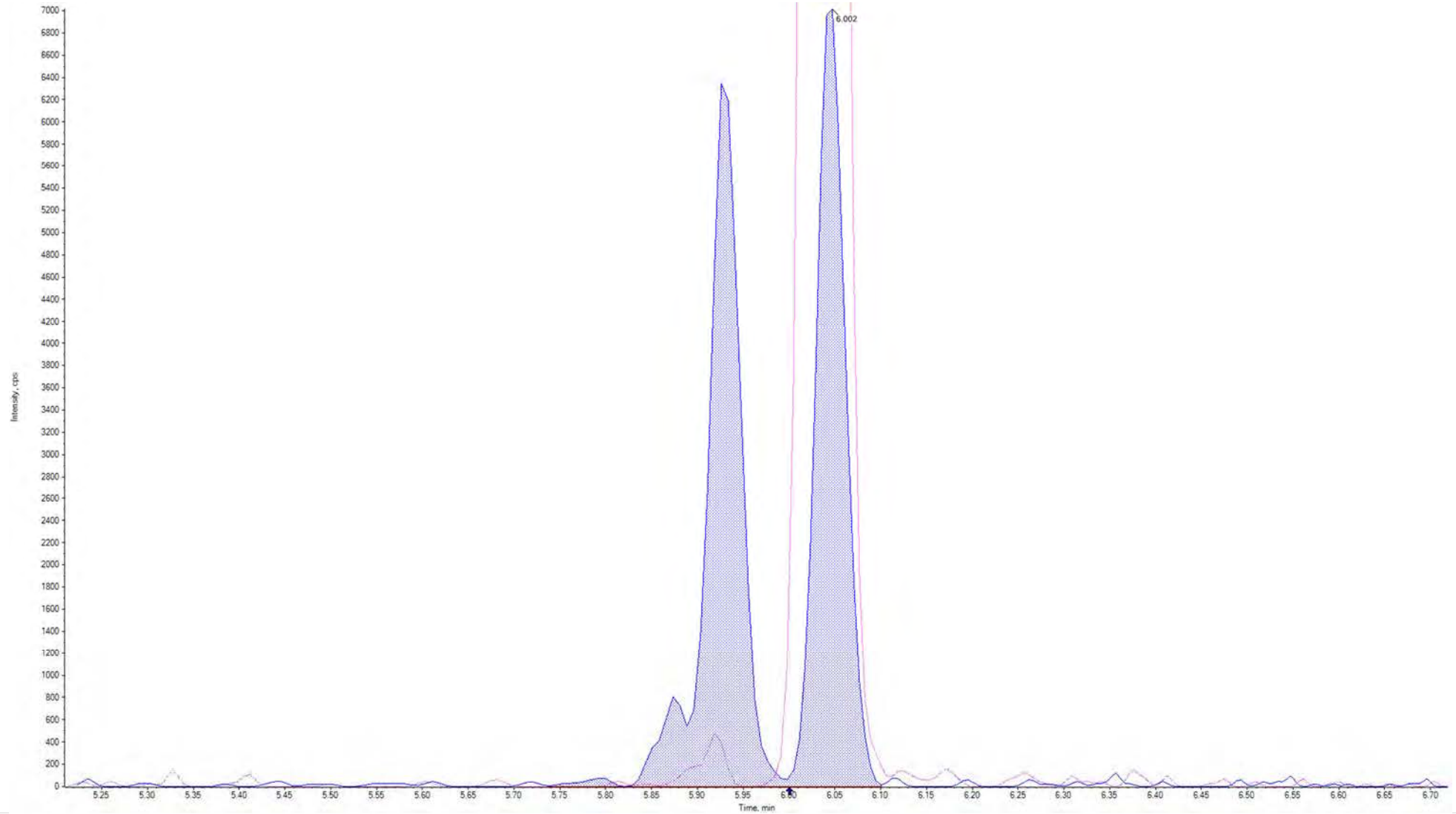
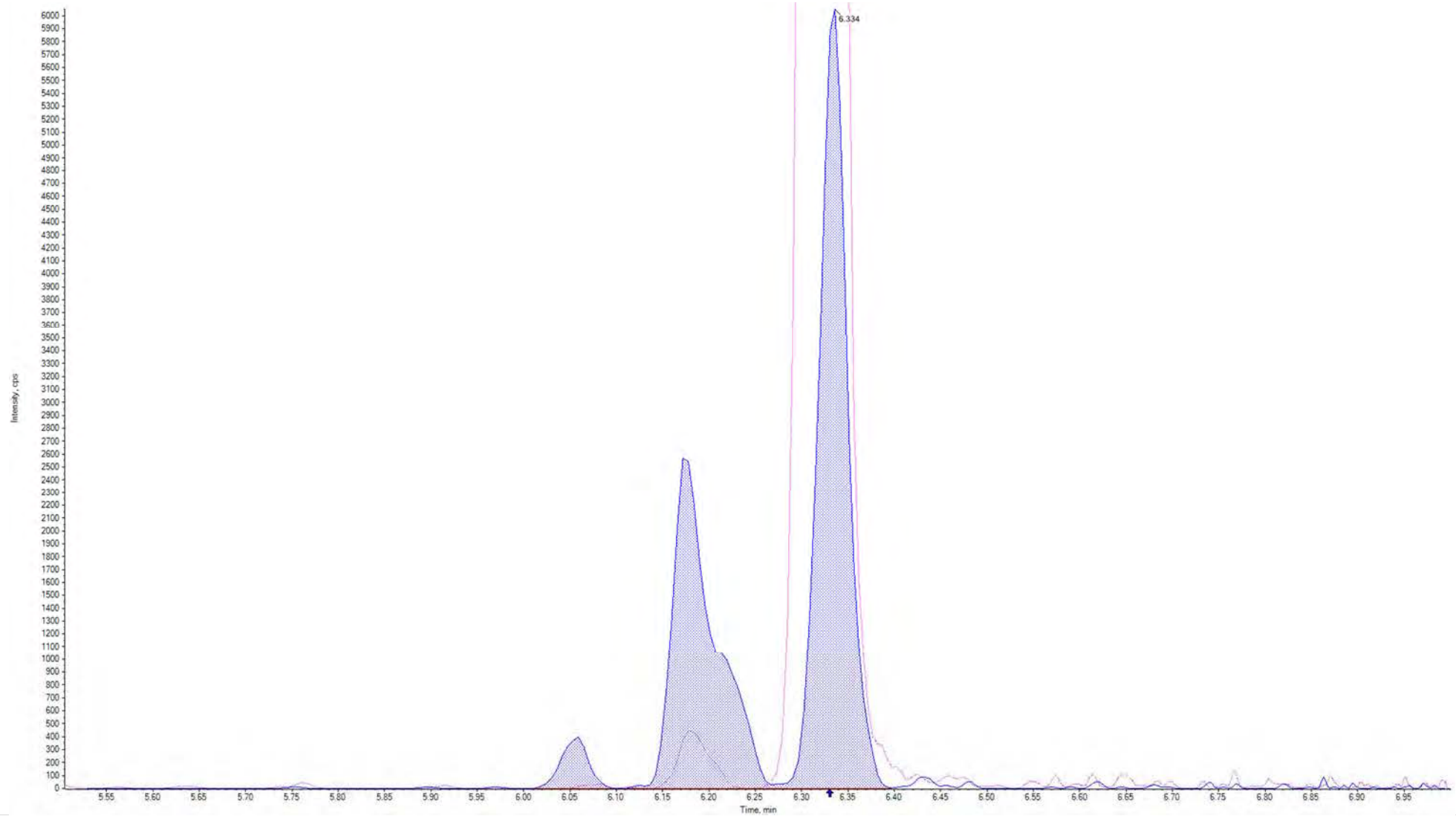
Generated: 2/28/2025 12:43:00 PM

NMeFOSA_2
Sample: IA1633STD-.5 S/N:298.8 Points Across peak:54



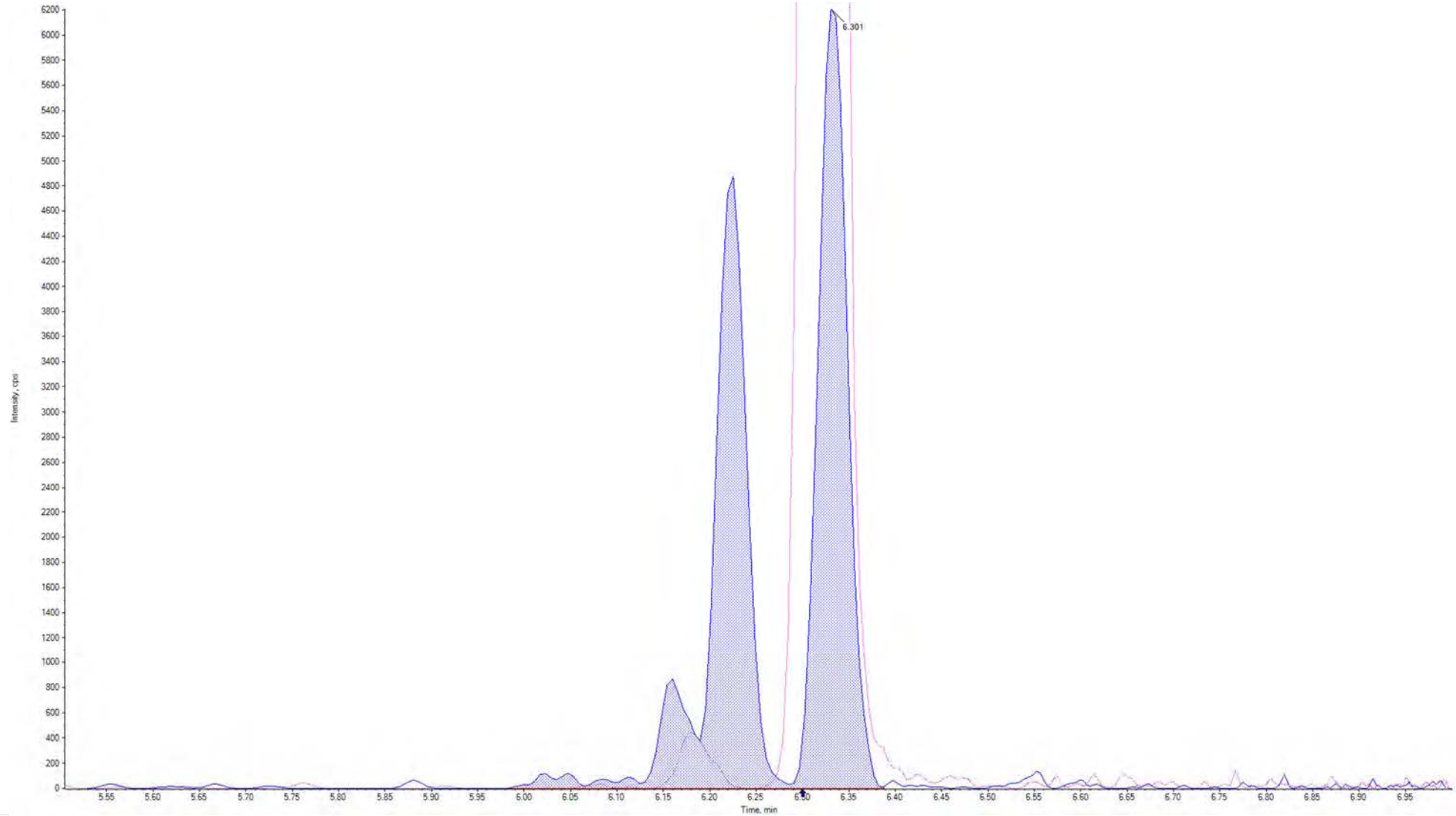
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_26.wiff2_2
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

NEtFOSA
Sample: IA1633STD-.5 S/N:470.2 Points Across peak:69



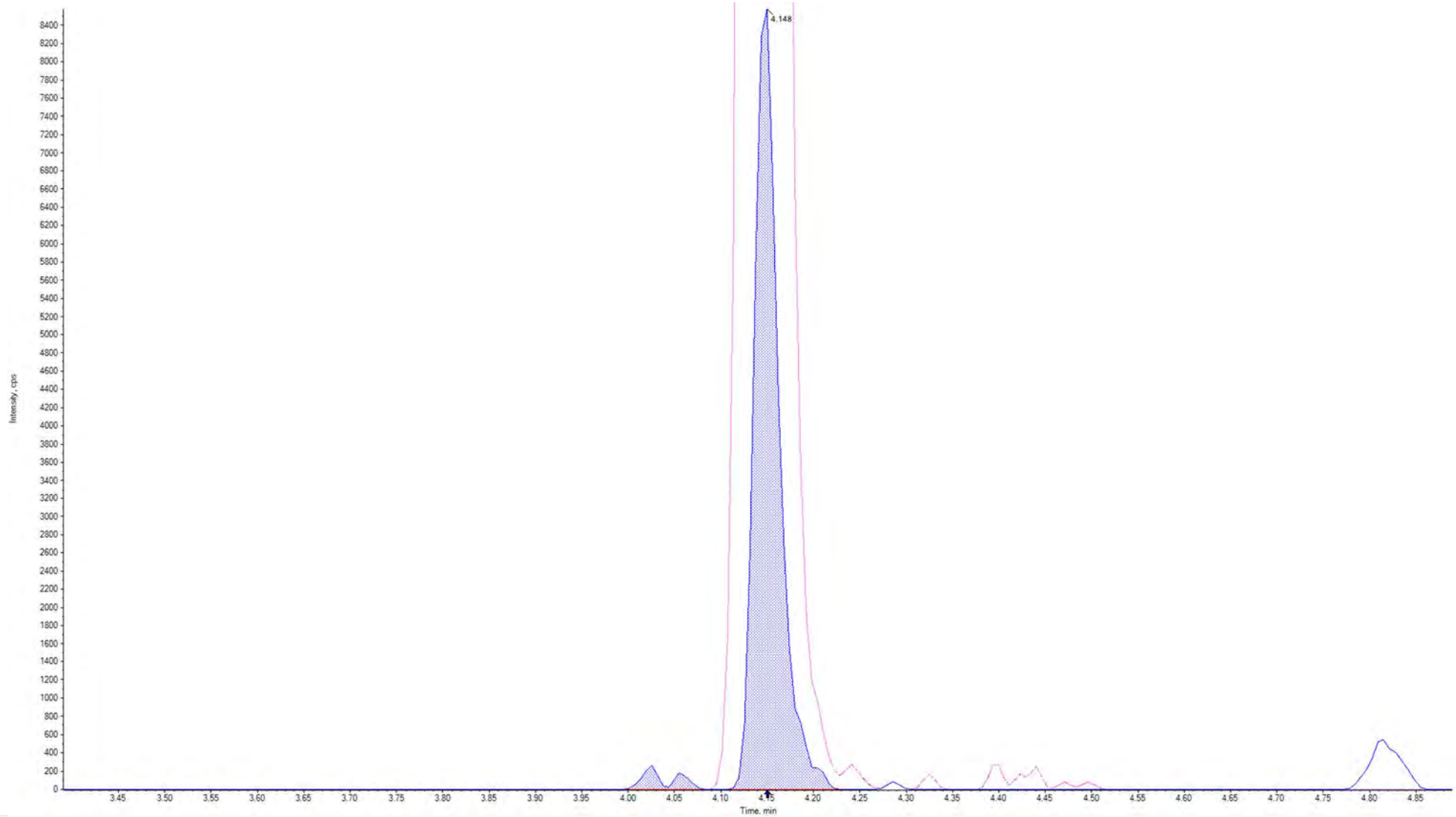
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_26.wiff2_2
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

NEtFOSA_2
Sample: IA1633STD-.5 S/N:395.0 Points Across peak:72



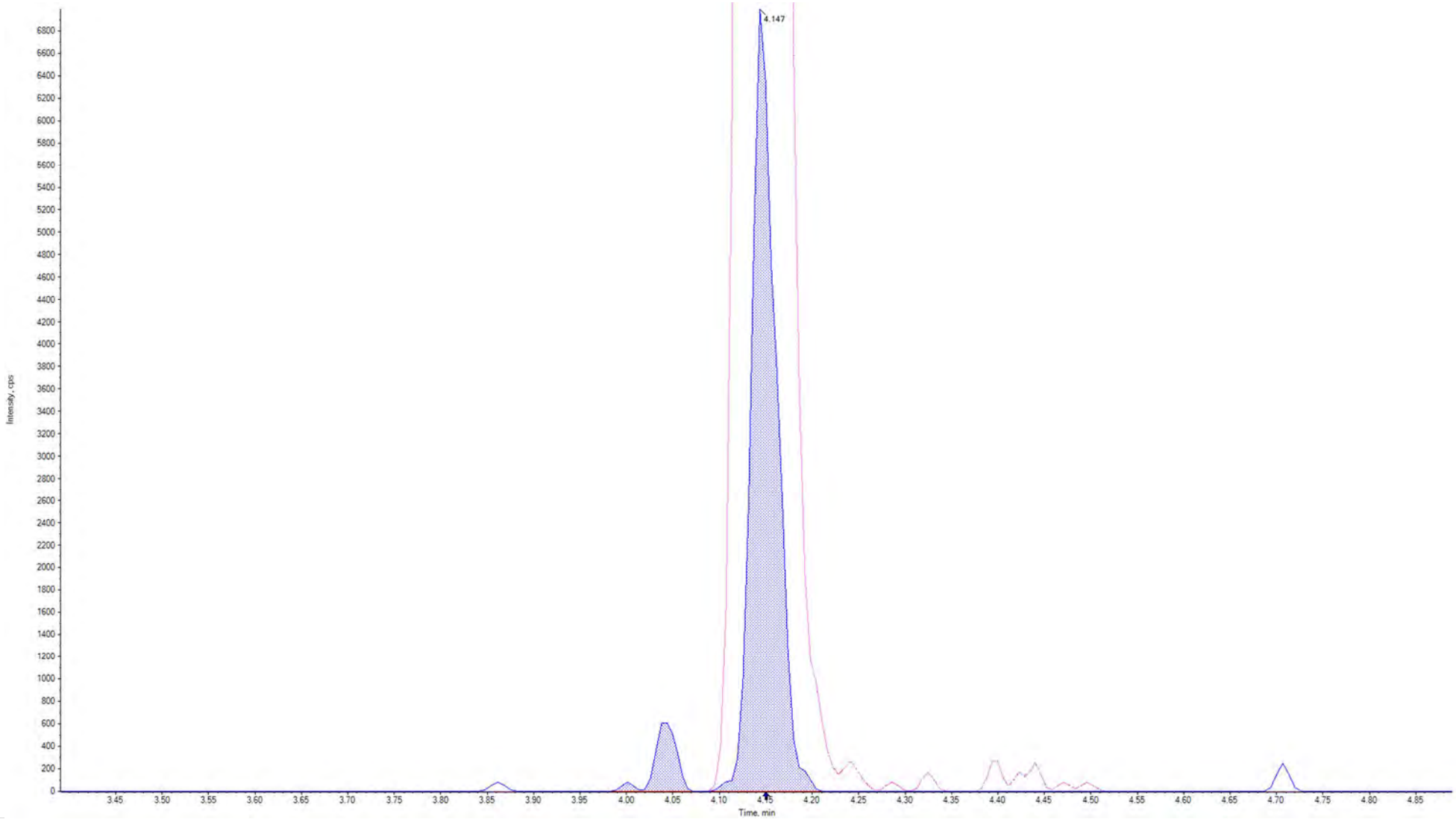
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_26.wiff2_2
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

NMeFOSAA
Sample: IA1633STD-.5 S/N:107.5 Points Across peak:48



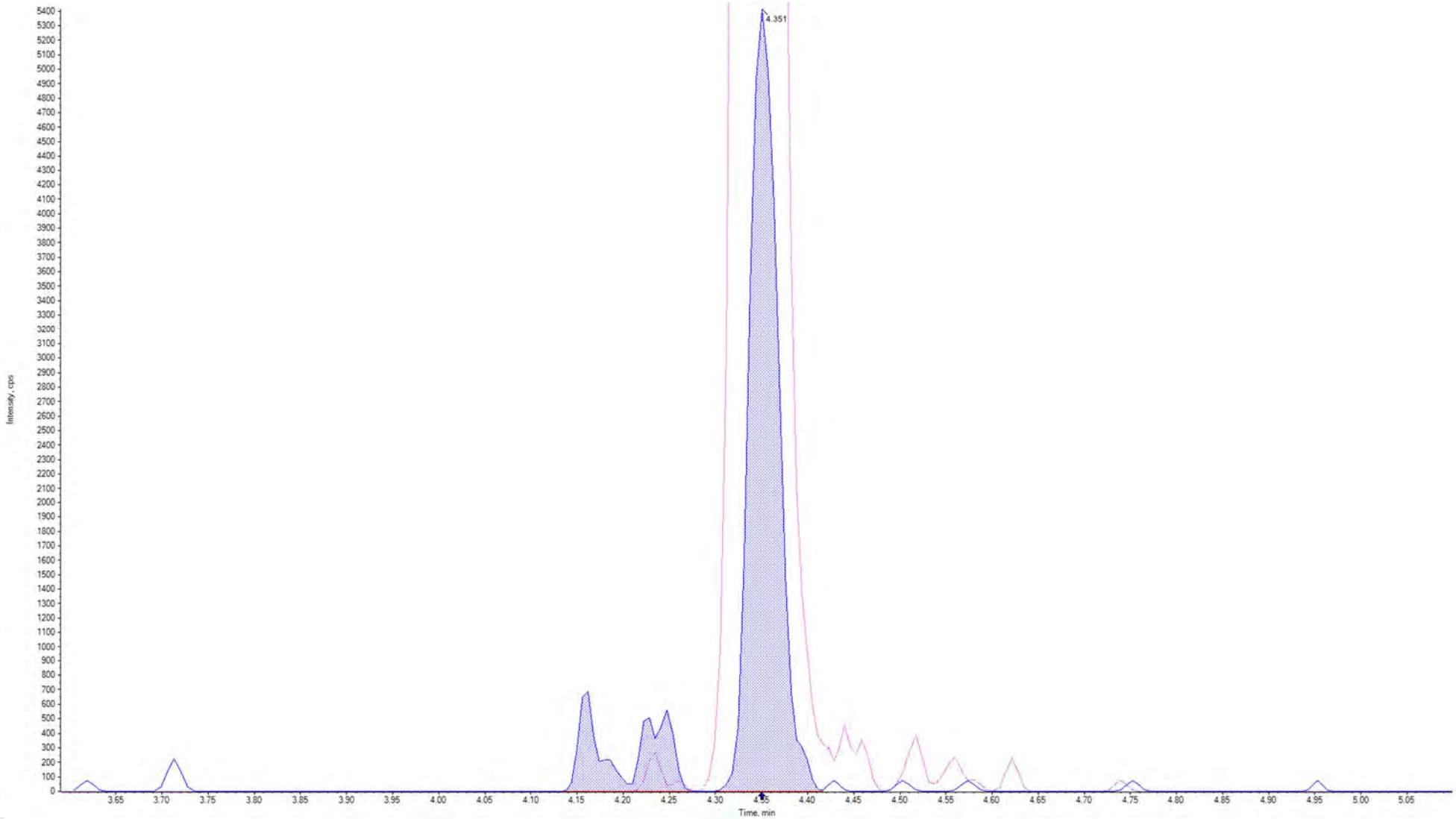
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_26.wiff2_2
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

NMeFOSAA_2
Sample: IA1633STD-.5 S/N:87.6 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\250228\SCI07_250228_26.wiff2_2
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

NEtFOSAA
Sample: IA1633STD-.5 S/N:67.8 Points Across peak:47



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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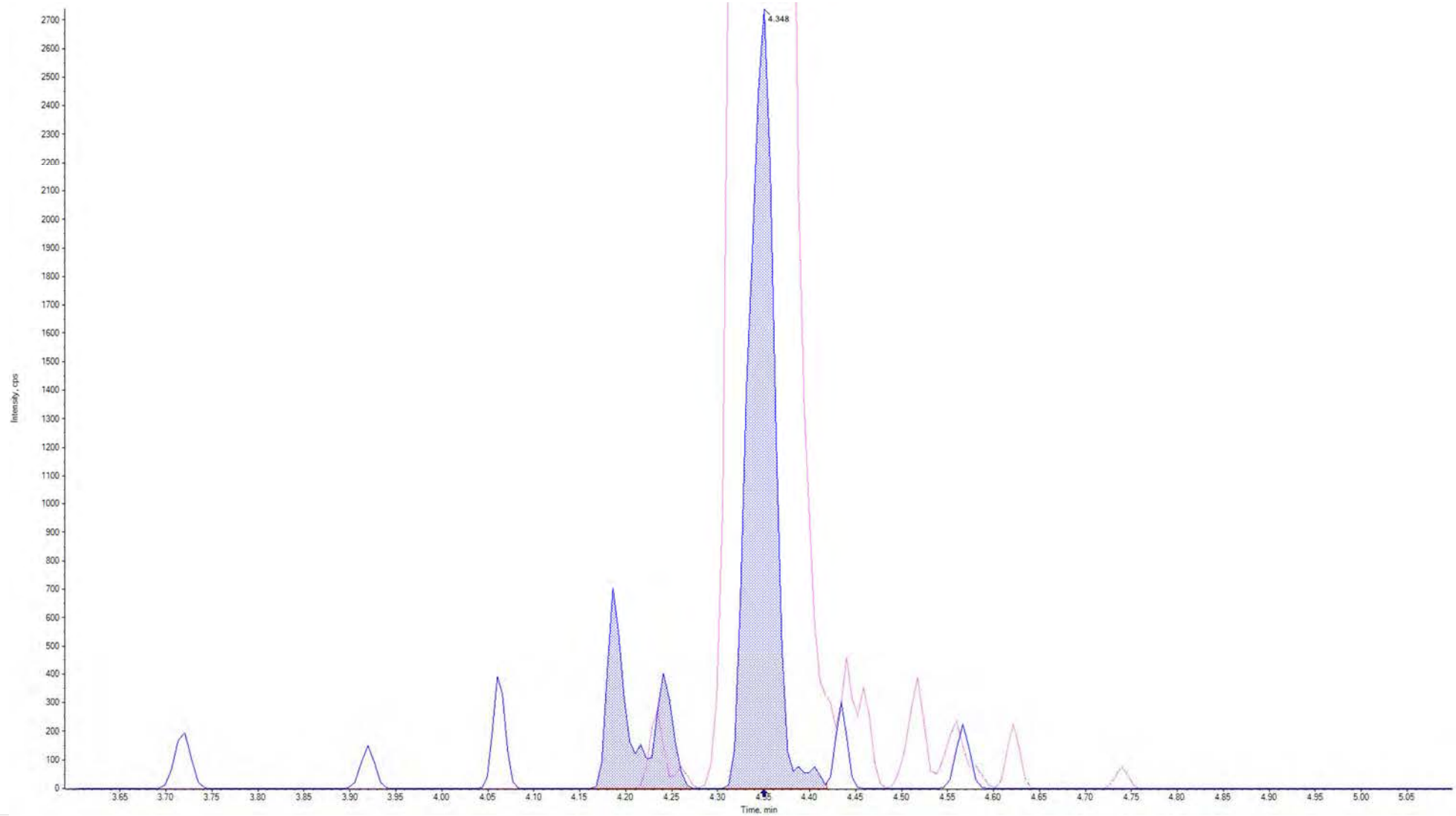
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

NEtFOSAA_2
Sample: IA1633STD-.5 S/N:34.3 Points Across peak:44



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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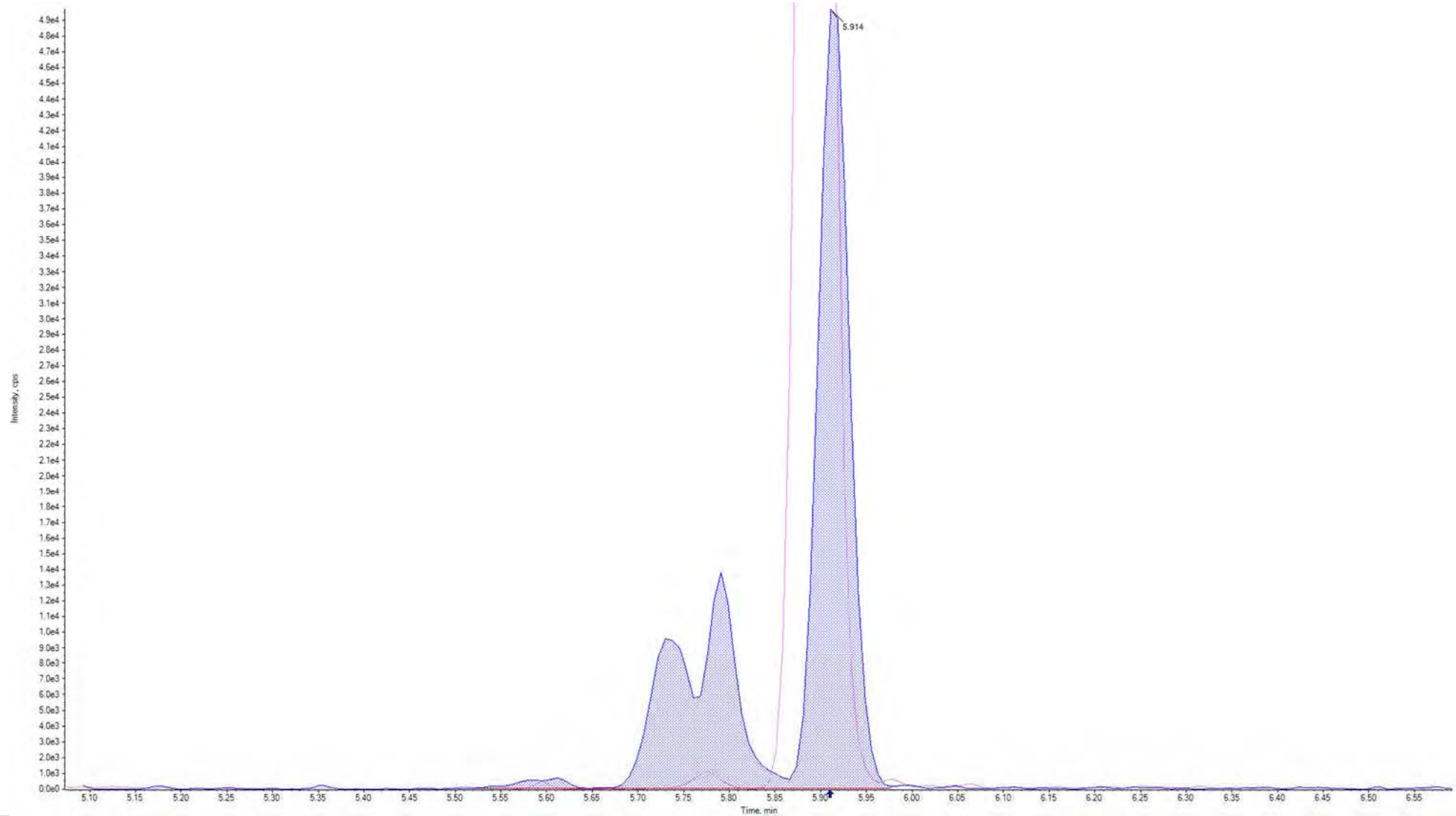
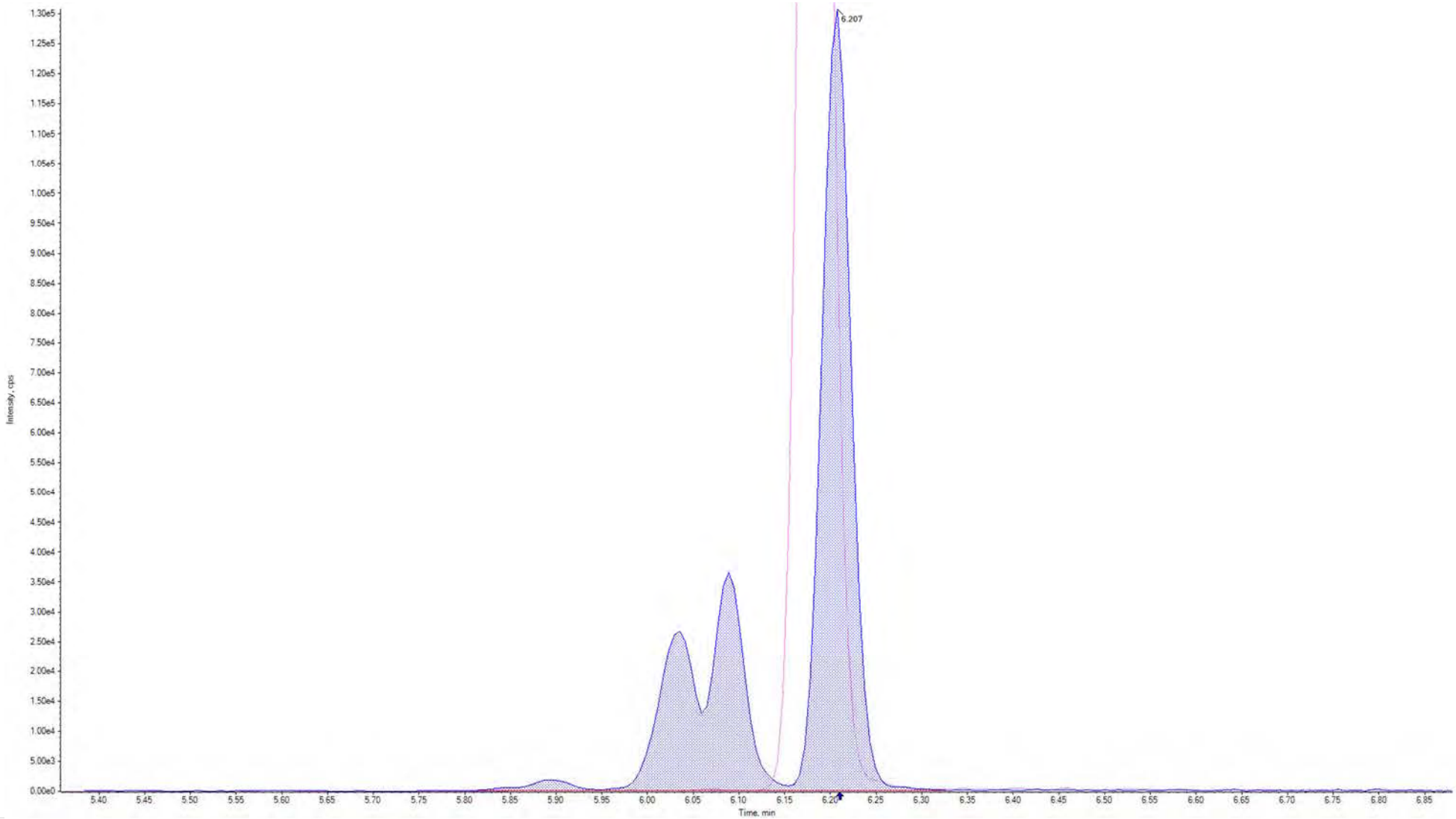
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

NMeFOSE
Sample: IA1633STD-.5 S/N:681.5 Points Across peak:61



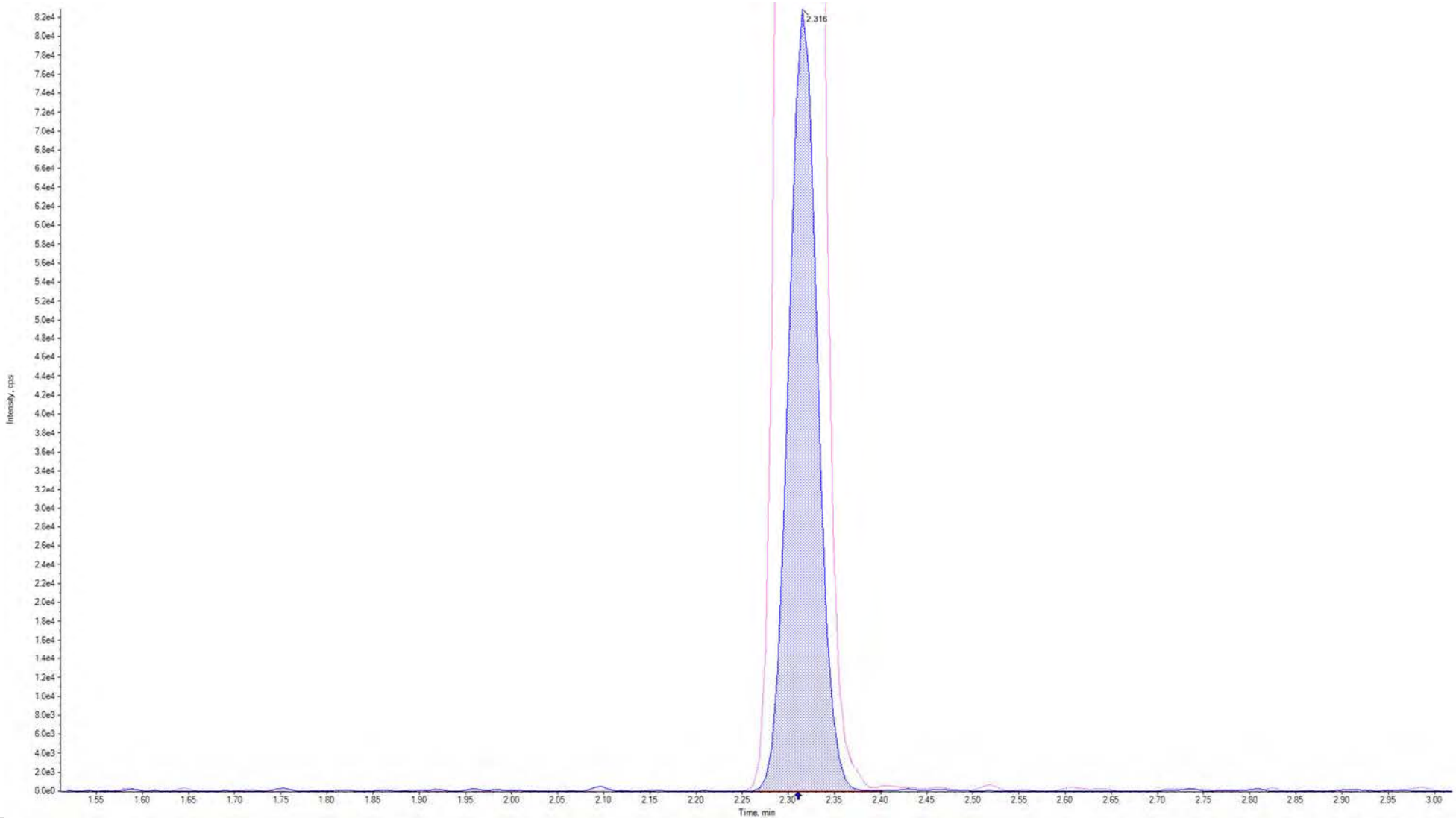
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_26.wiff2_2
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

NEtFOSE
Sample: IA1633STD-.5 S/N:981.0 Points Across peak:84



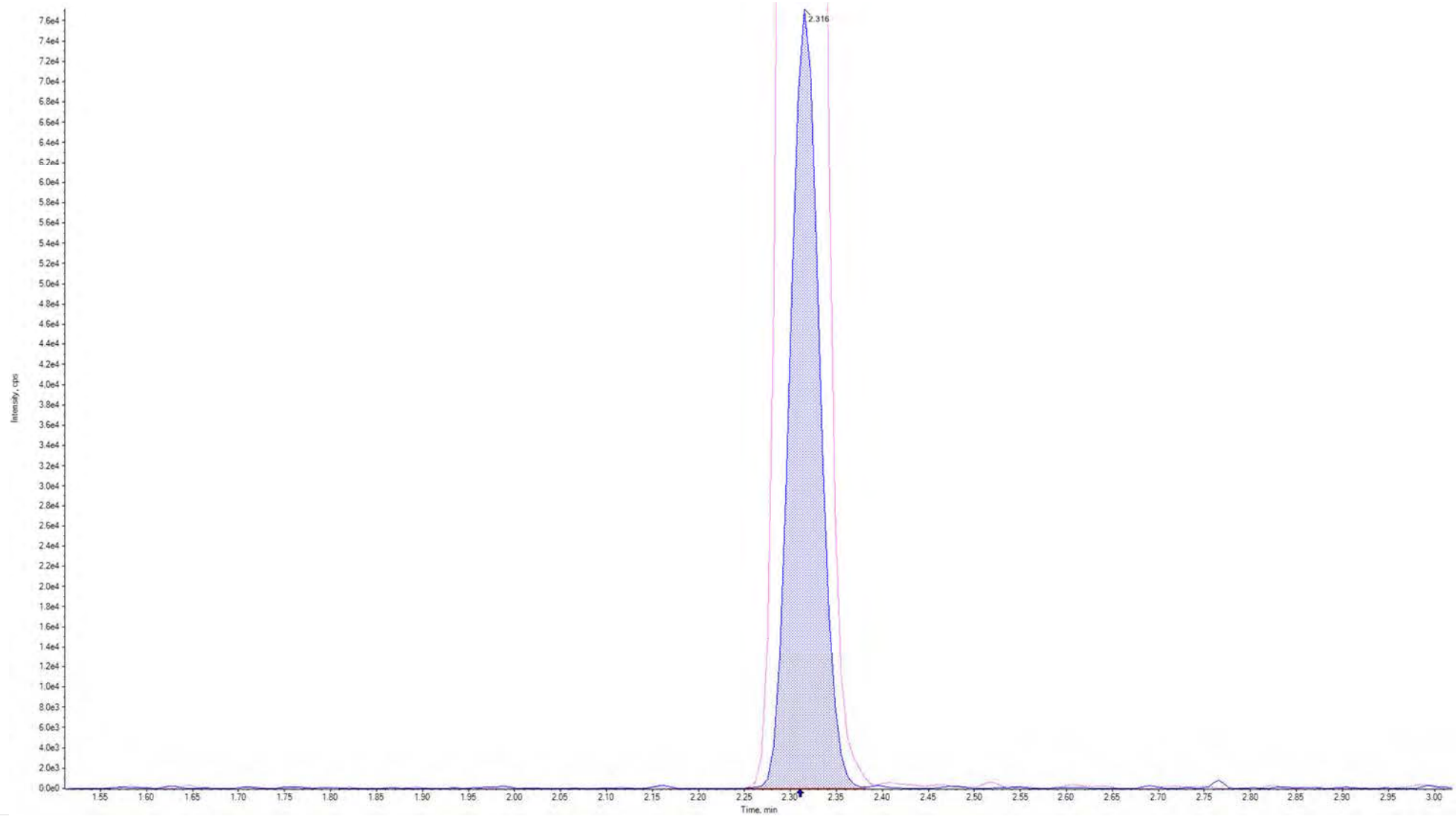
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_26.wiff2_2
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

HFPO-DA
Sample: IA1633STD-.5 S/N:1453.7 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\250228\SCI07_250228_26.wiff2_2
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

HFPO-DA_2
Sample: IA1633STD-.5 S/N:1353.4 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\250228\SCI07_250228_26.wiff2_2
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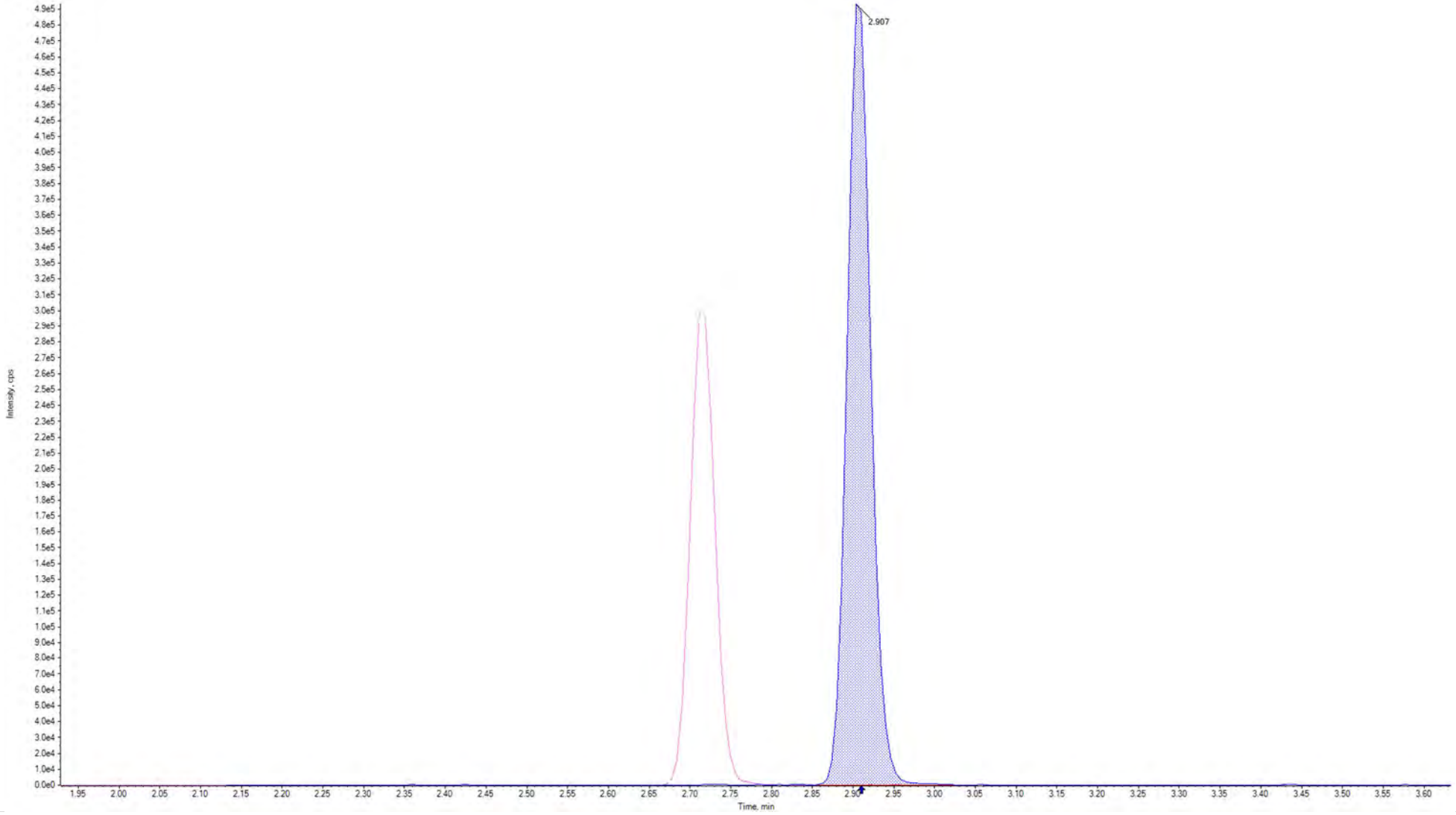
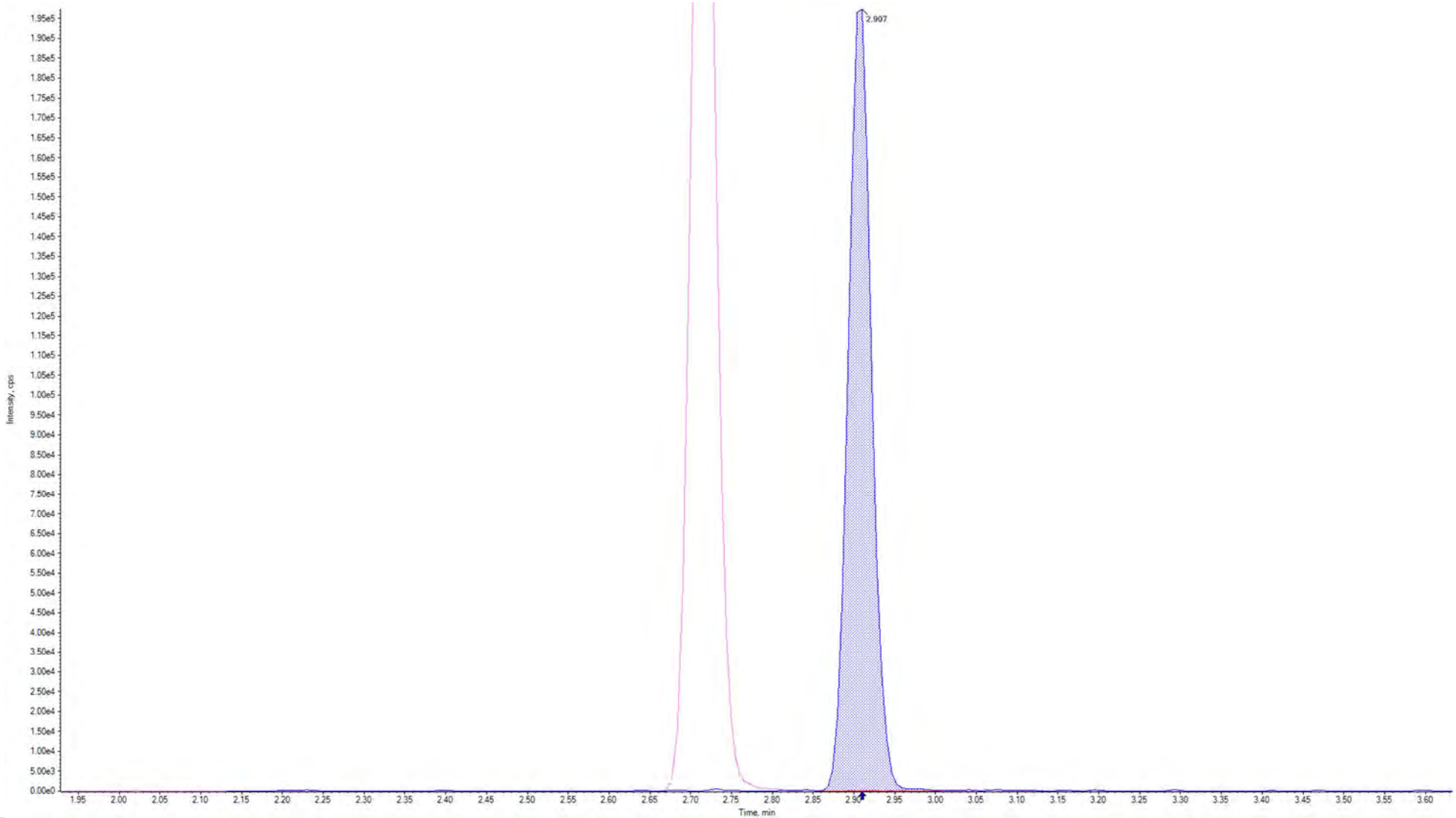
Generated: 2/28/2025 12:43:00 PM

ADONA
Sample: IA1633STD-.5 S/N:6180.9 Points Across peak:32



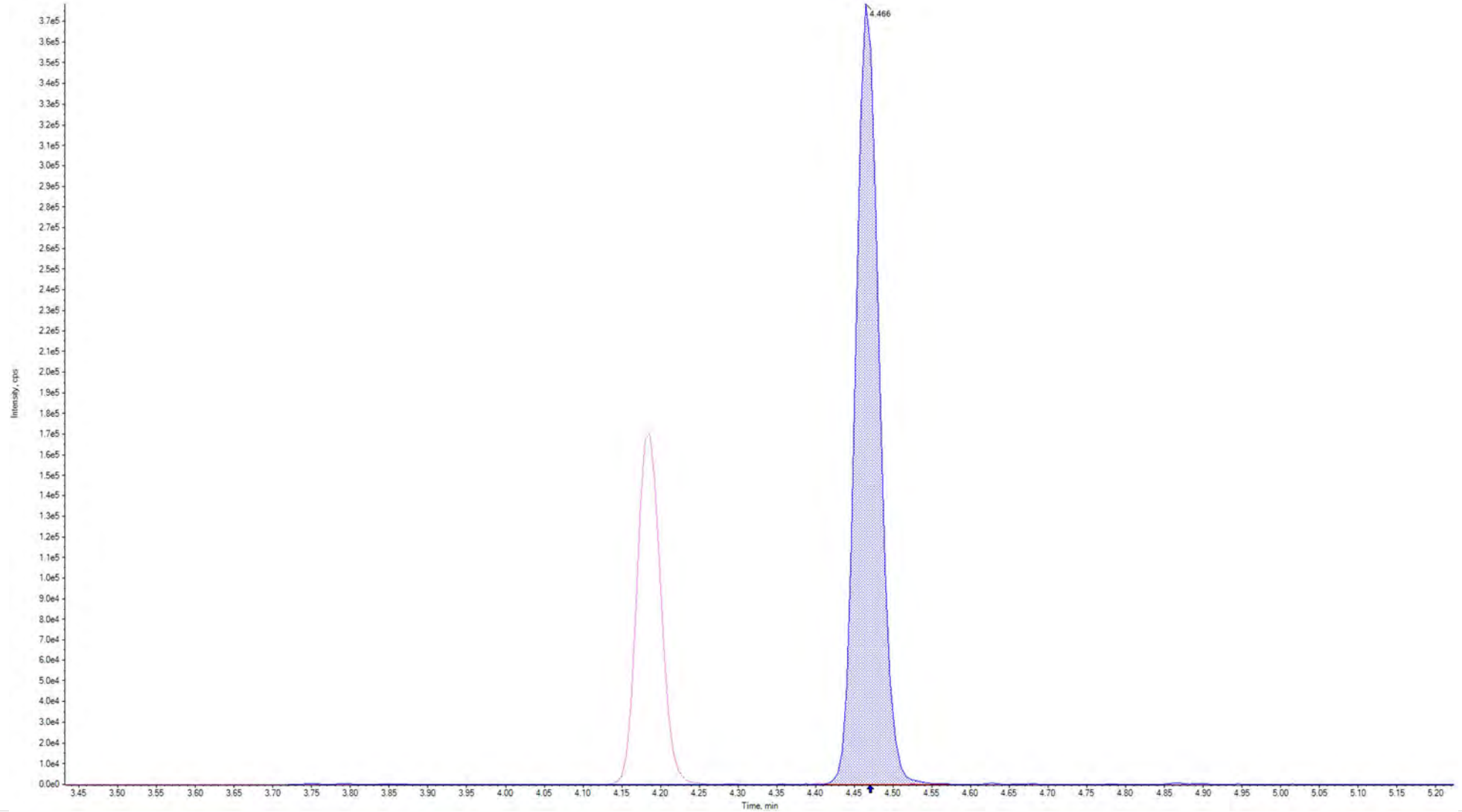
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_26.wiff2_2
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

ADONA_2
Sample: IA1633STD-.5 S/N:2472.6 Points Across peak:26



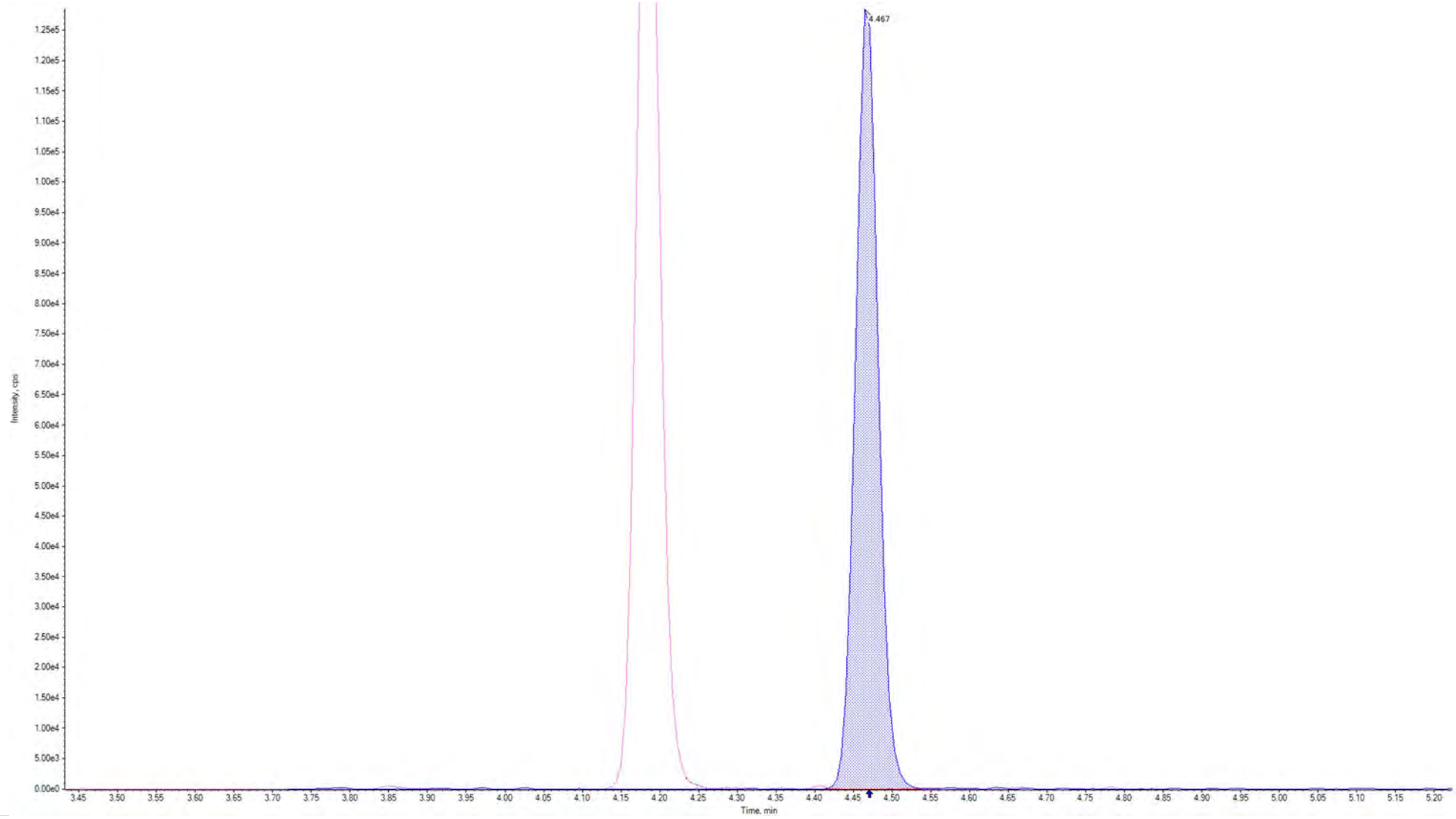
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_26.wiff2_2
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

9Cl-PF3ONS
Sample: IA1633STD-.5 S/N:5690.0 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\250228\SCI07_250228_26.wiff2_2
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

9Cl-PF3ONS_2
Sample: IA1633STD-.5 S/N:1931.0 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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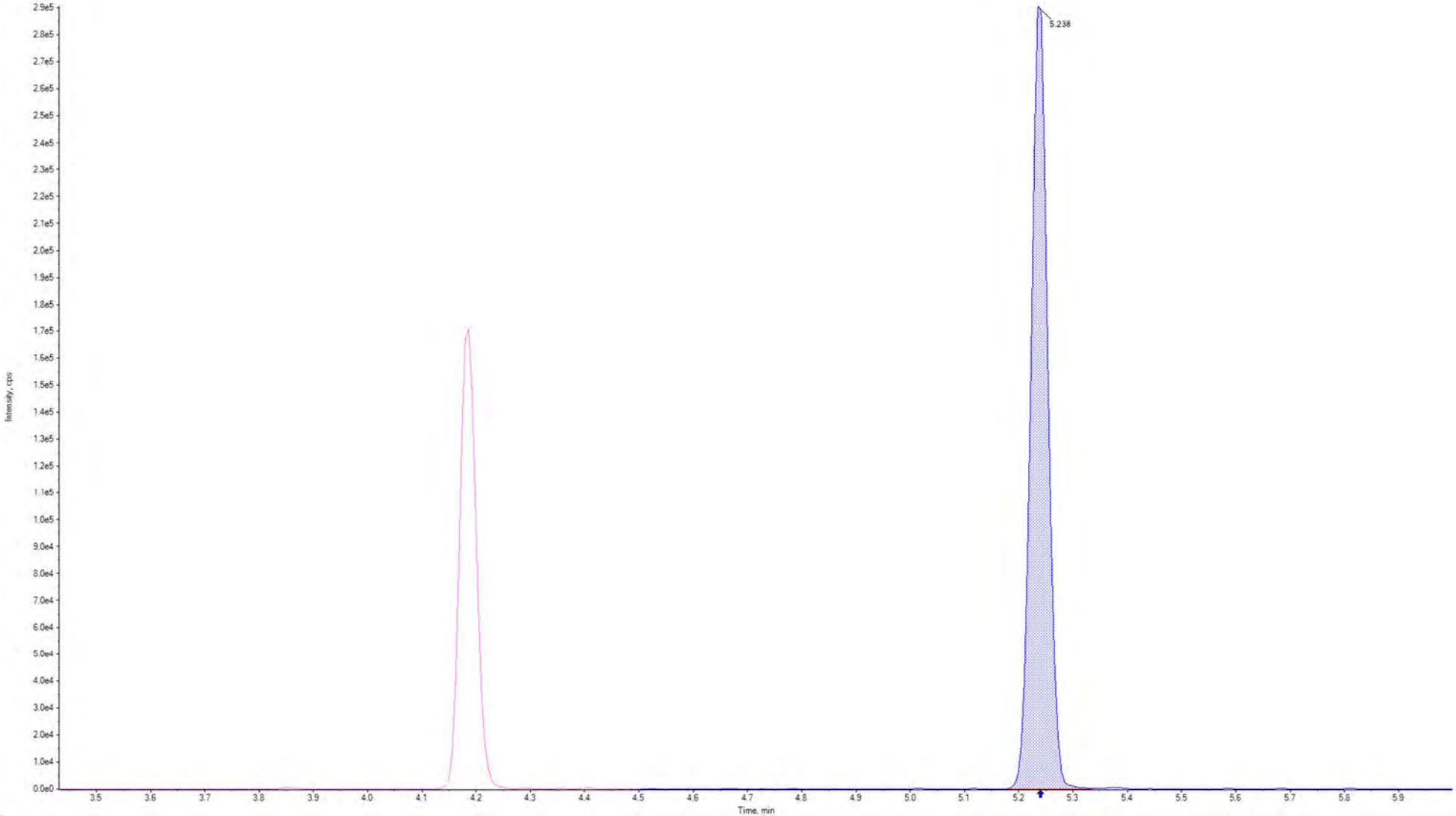
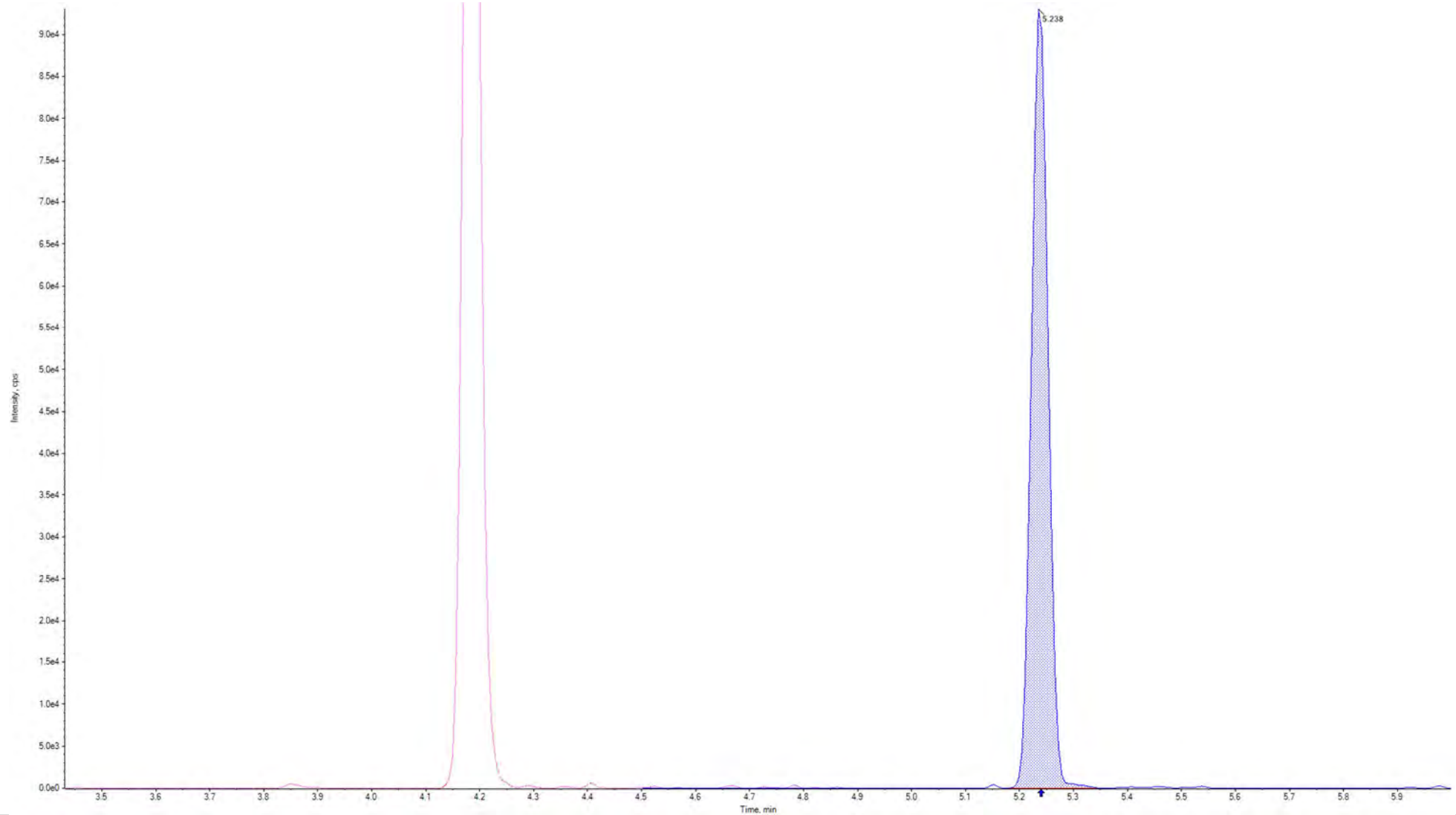
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

11Cl-PF3OUdS
Sample: IA1633STD-.5 S/N:5825.6 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\250228\SCI07_250228_26.wiff2_2
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

11Cl-PF3OUdS_2
Sample: IA1633STD-.5 S/N:1864.4 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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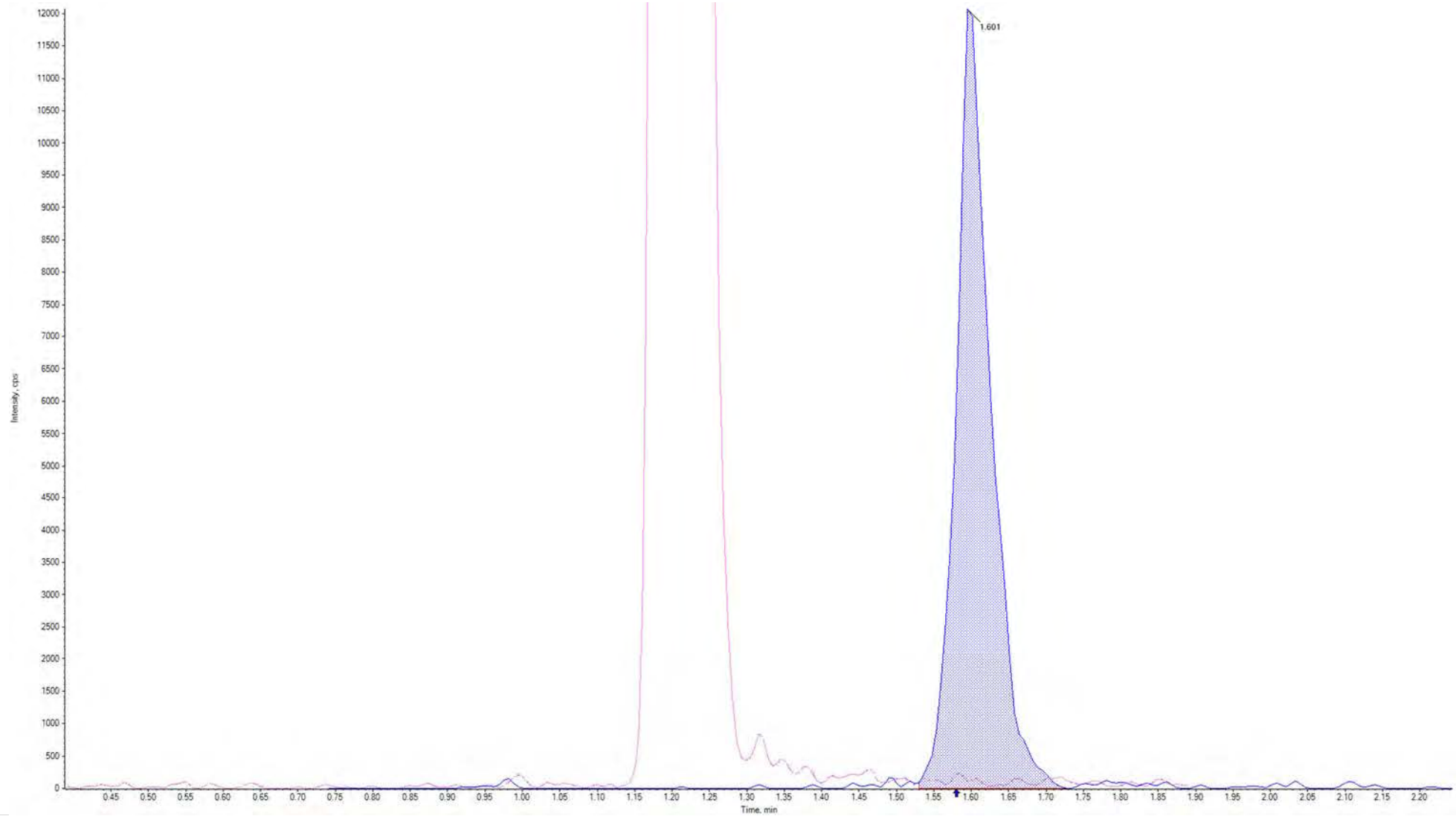
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

3:3FTCA
Sample: IA1633STD-.5 S/N:423.3 Points Across peak:33



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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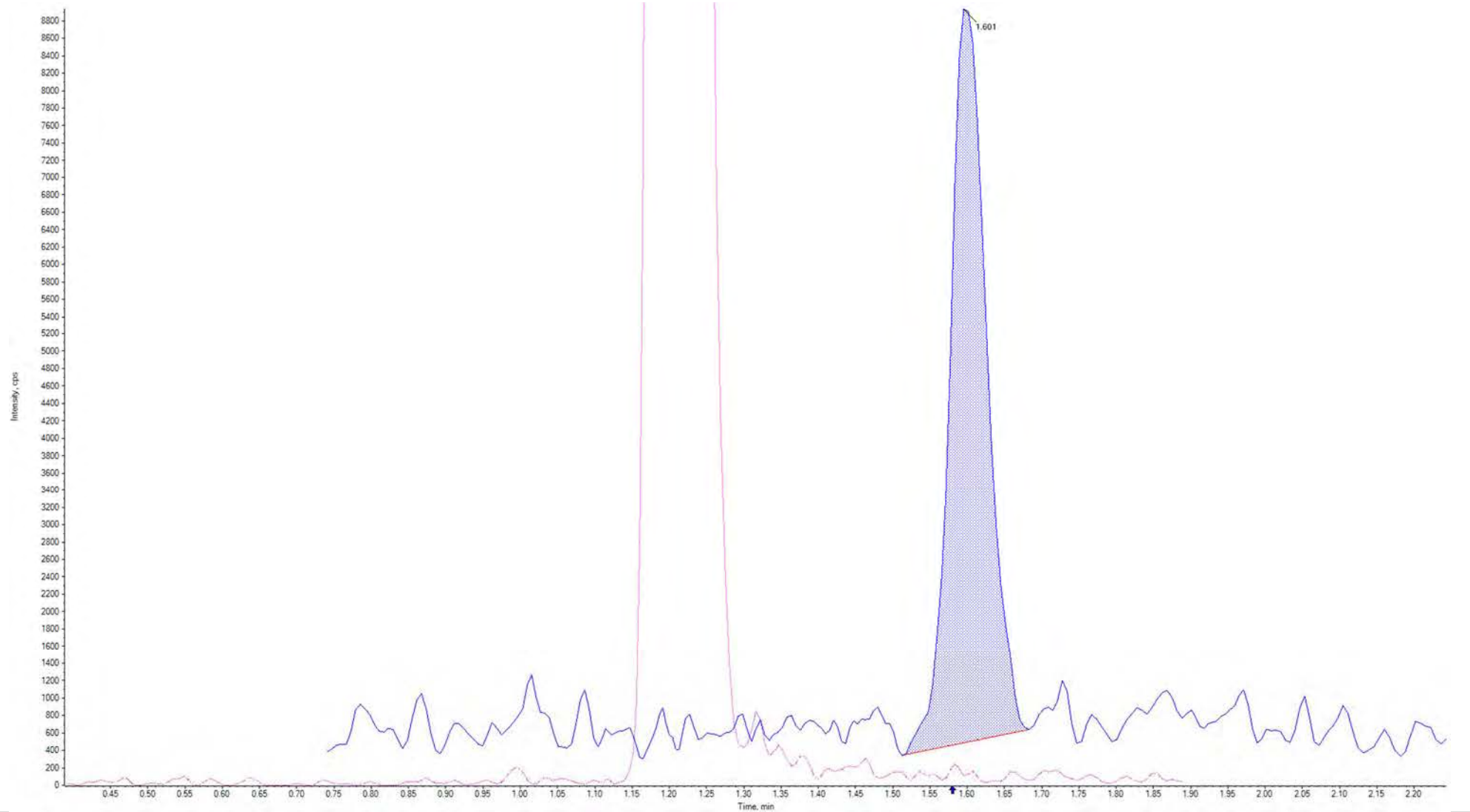
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

3:3FTCA_2
Sample: IA1633STD-.5 S/N:130.1 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/1/2025 8:34:22 AM
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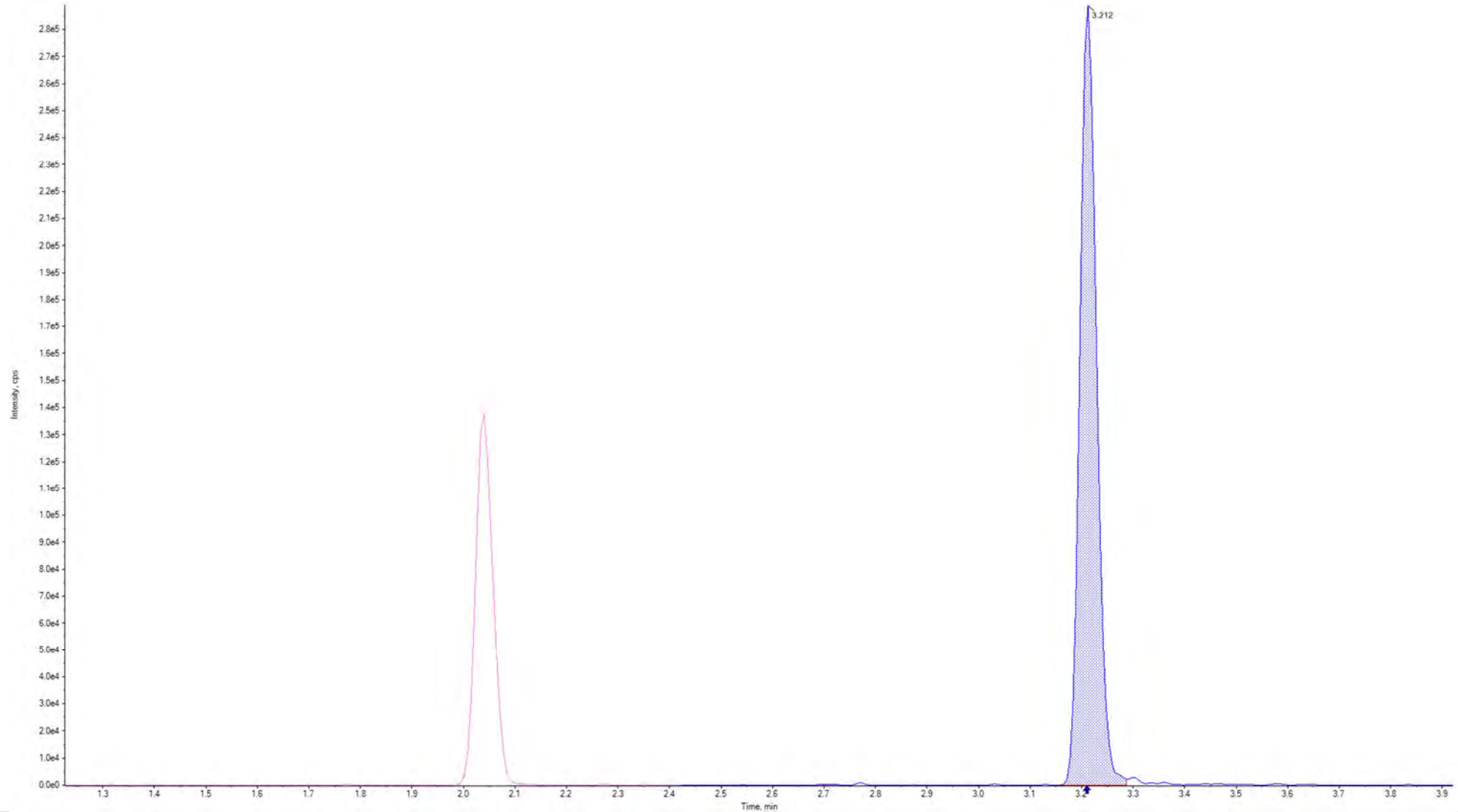
5:3FTCA
Sample: IA1633STD-.5 S/N:3619.8 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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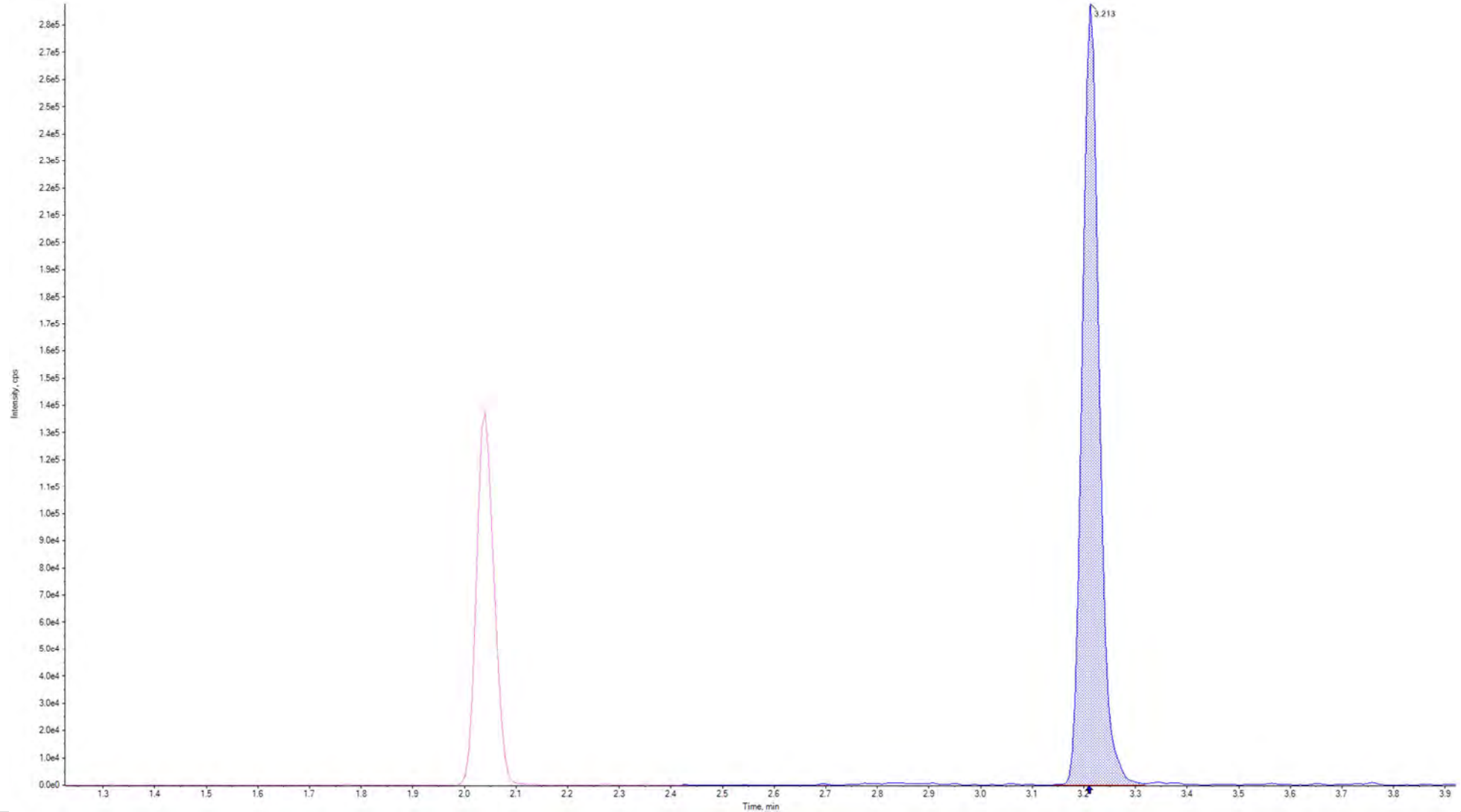
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

5:3FTCA_2
Sample: IA1633STD-.5 S/N:2173.6 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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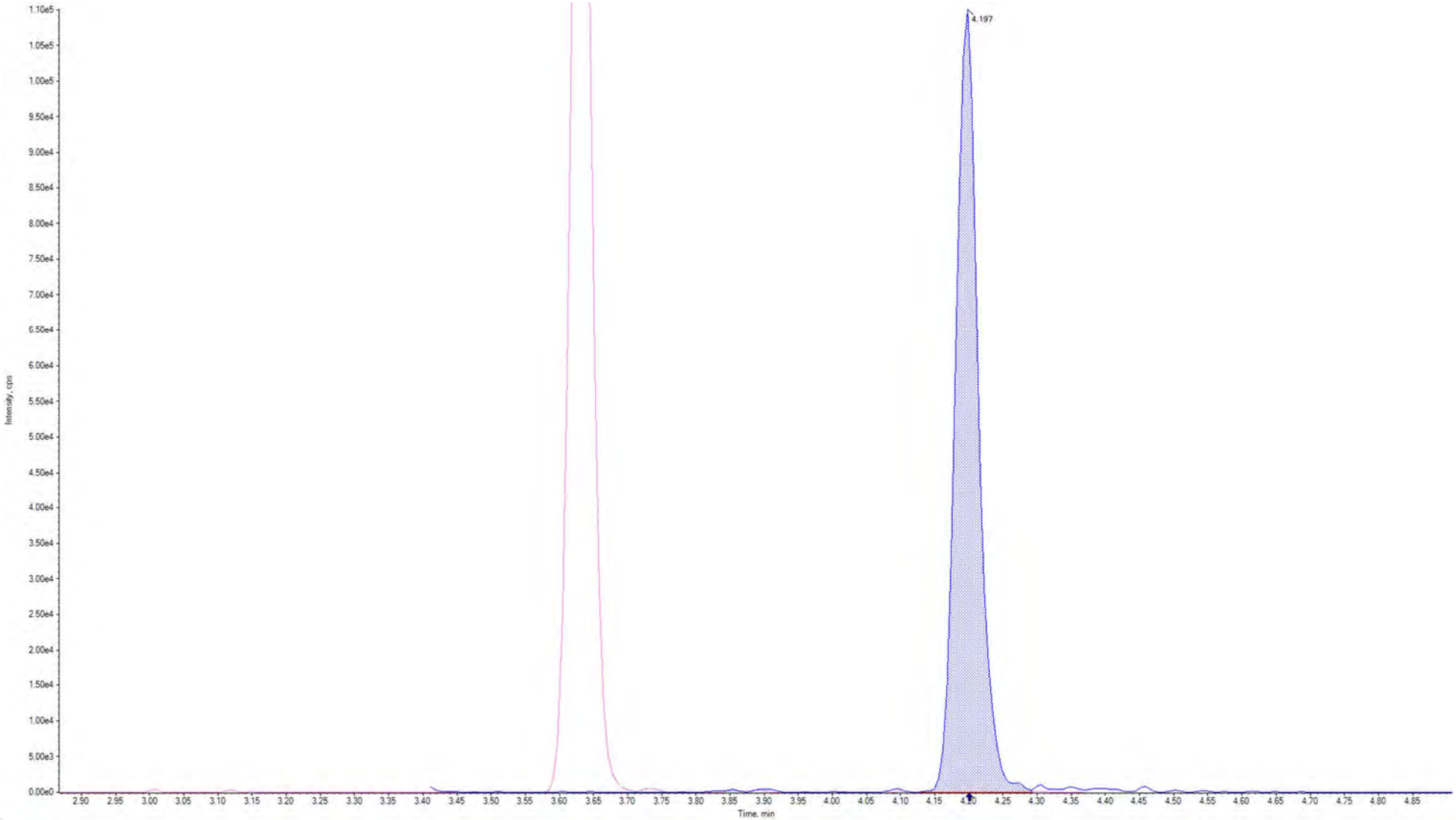
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

7:3FTCA
Sample: IA1633STD-.5 S/N:1379.3 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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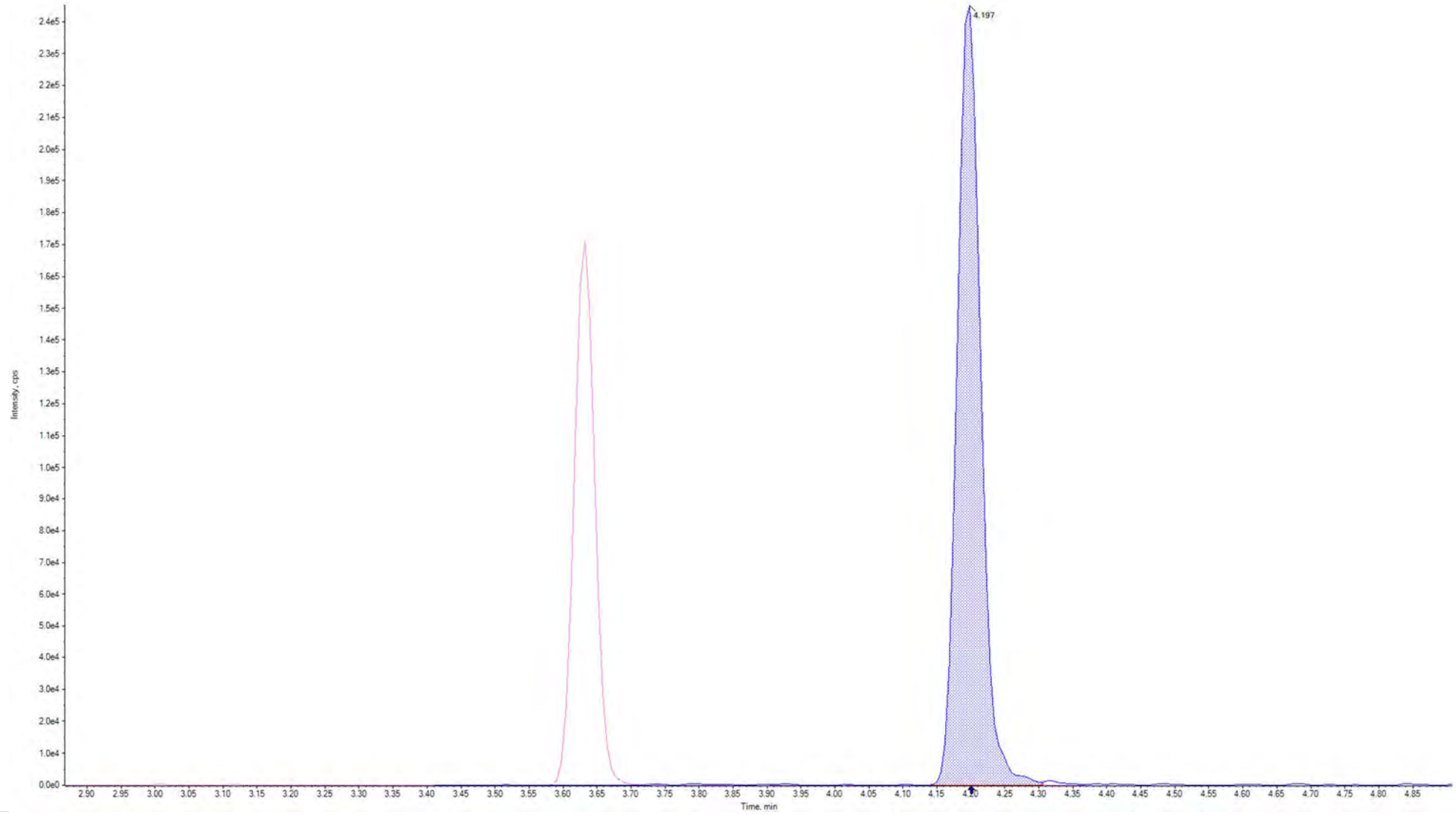
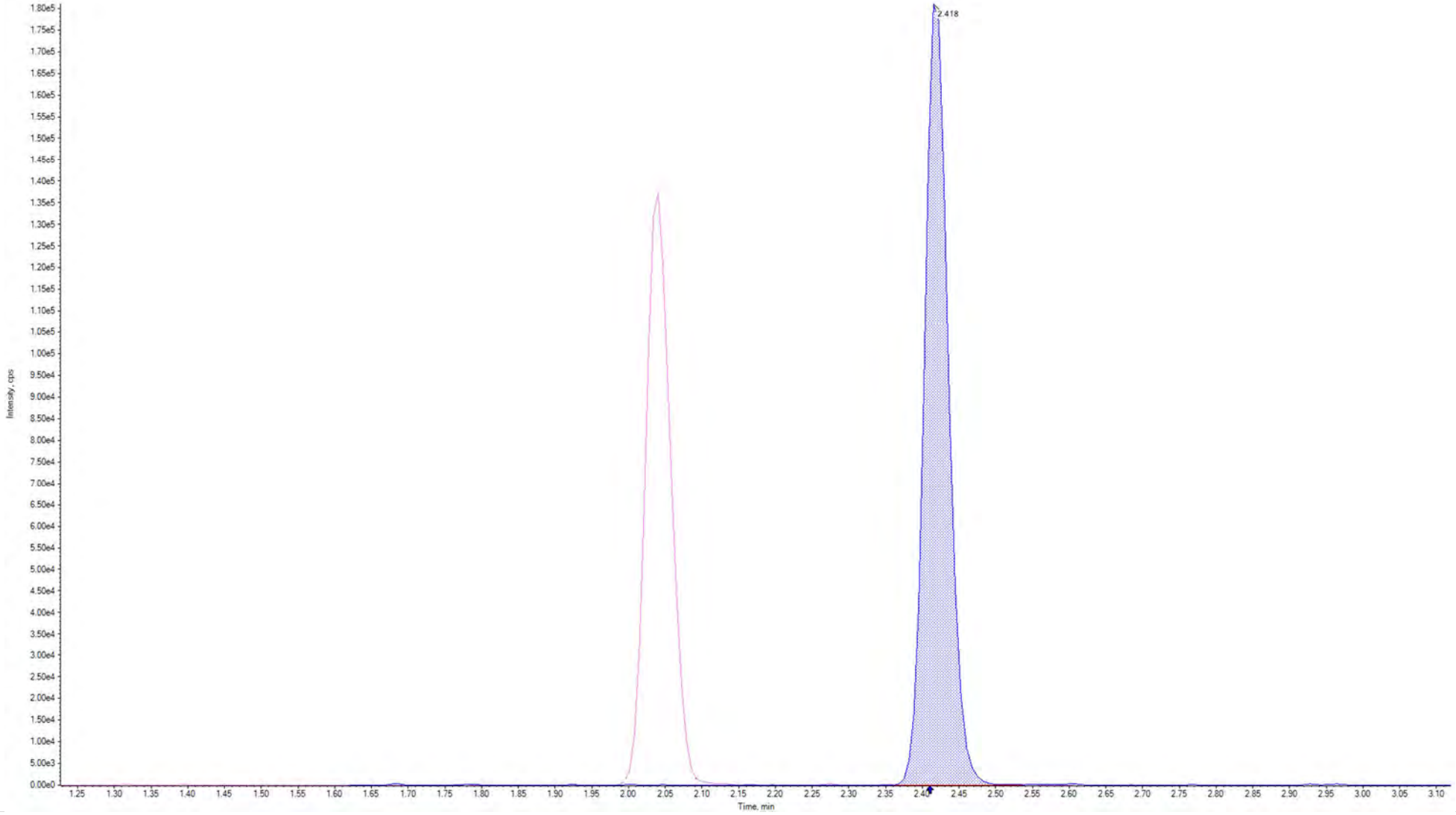
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

7:3FTCA_2
Sample: IA1633STD-.5 S/N:3071.2 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\250228\SCI07_250228_26.wiff2_2
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

PFEESA
Sample: IA1633STD-.5 S/N:3175.8 Points Across peak:33



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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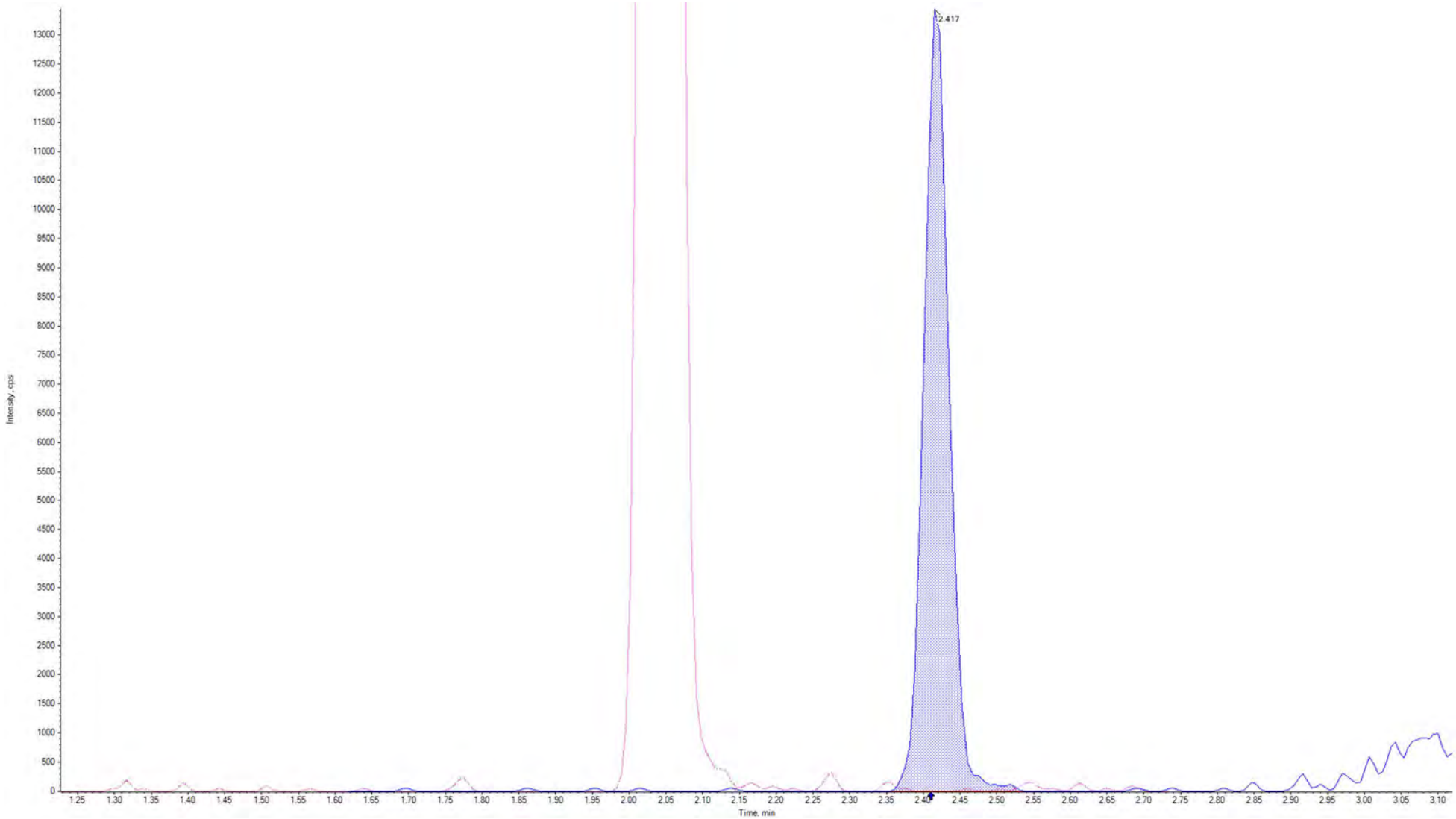
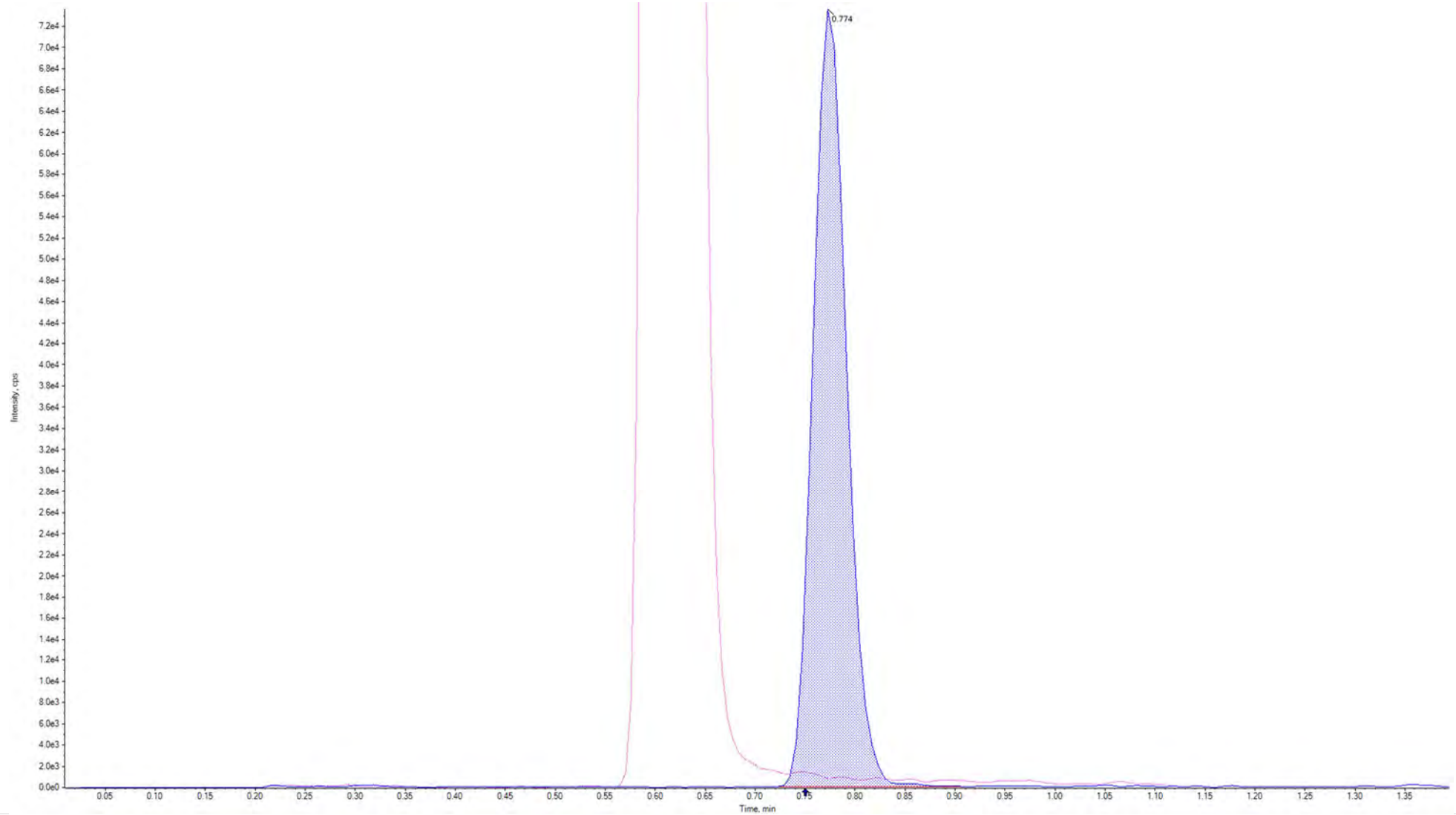
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

PFEESA_2
Sample: IA1633STD-.5 S/N:235.6 Points Across peak:37



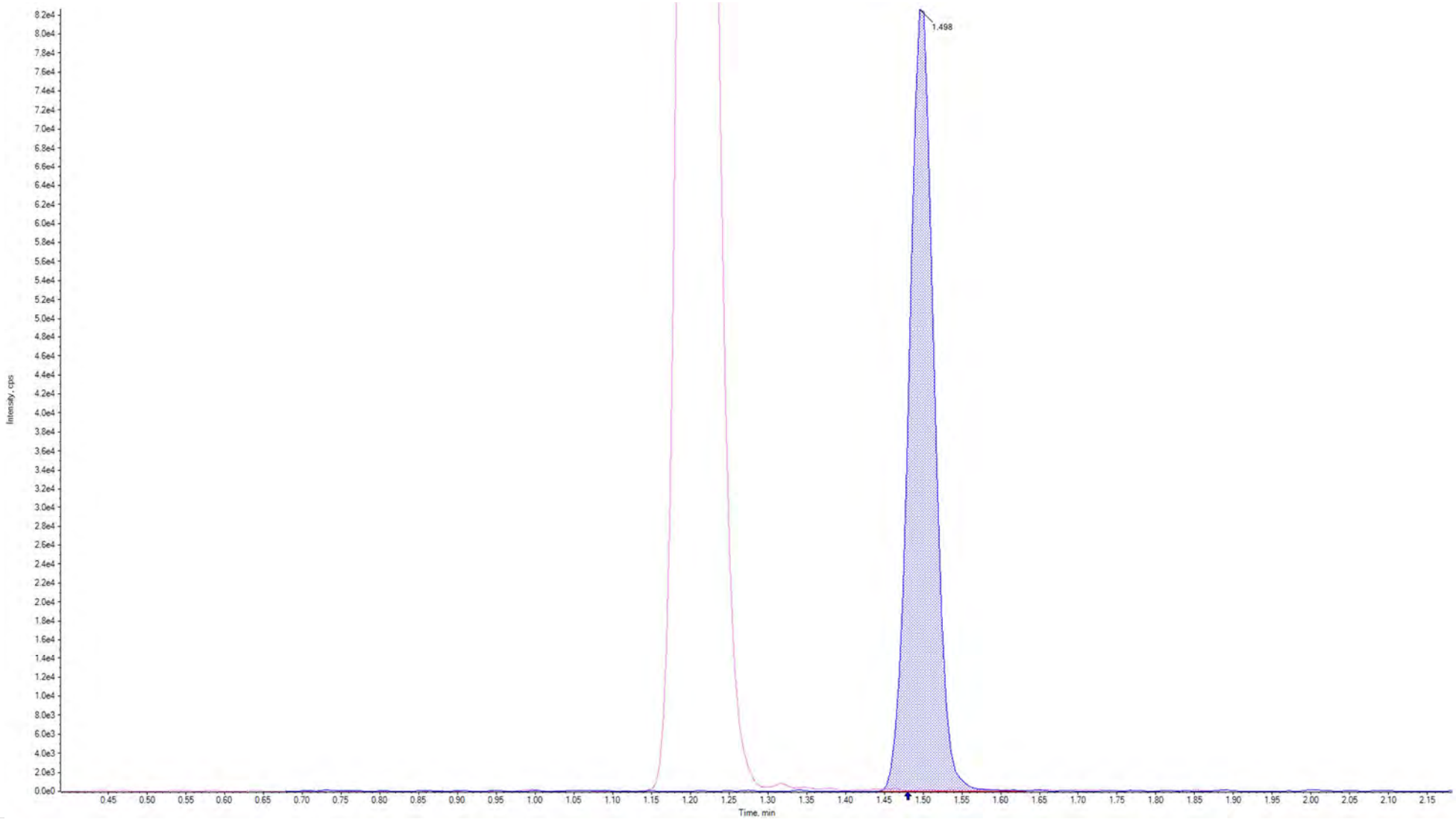
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_26.wiff2_2
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

PFMPA
Sample: IA1633STD-.5 S/N:2292.2 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\250228\SCI07_250228_26.wiff2_2
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

PFMBA
Sample: IA1633STD-.5 S/N:3105.6 Points Across peak:35



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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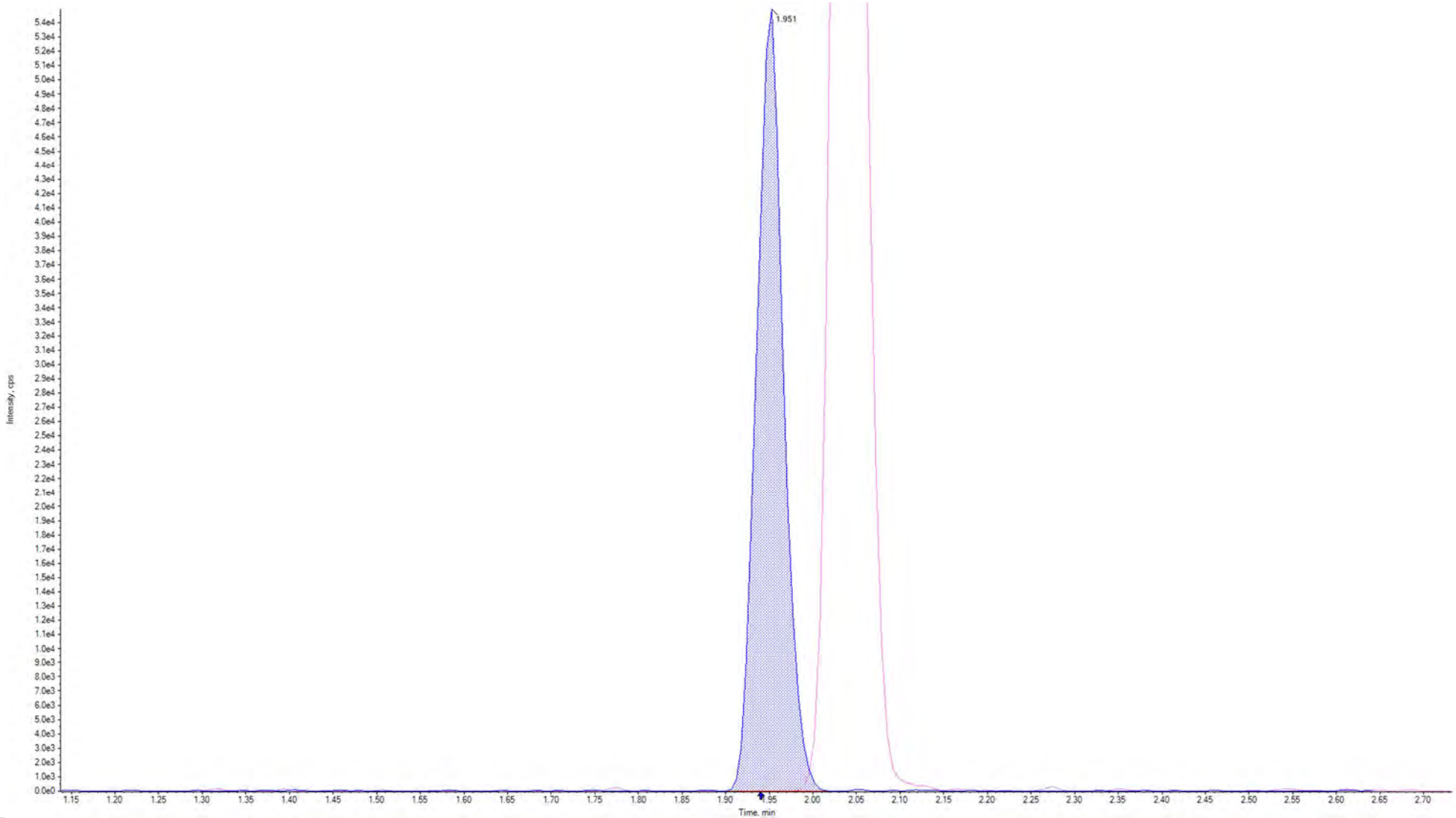
NFDHA
Sample: IA1633STD-.5 S/N:1239.3 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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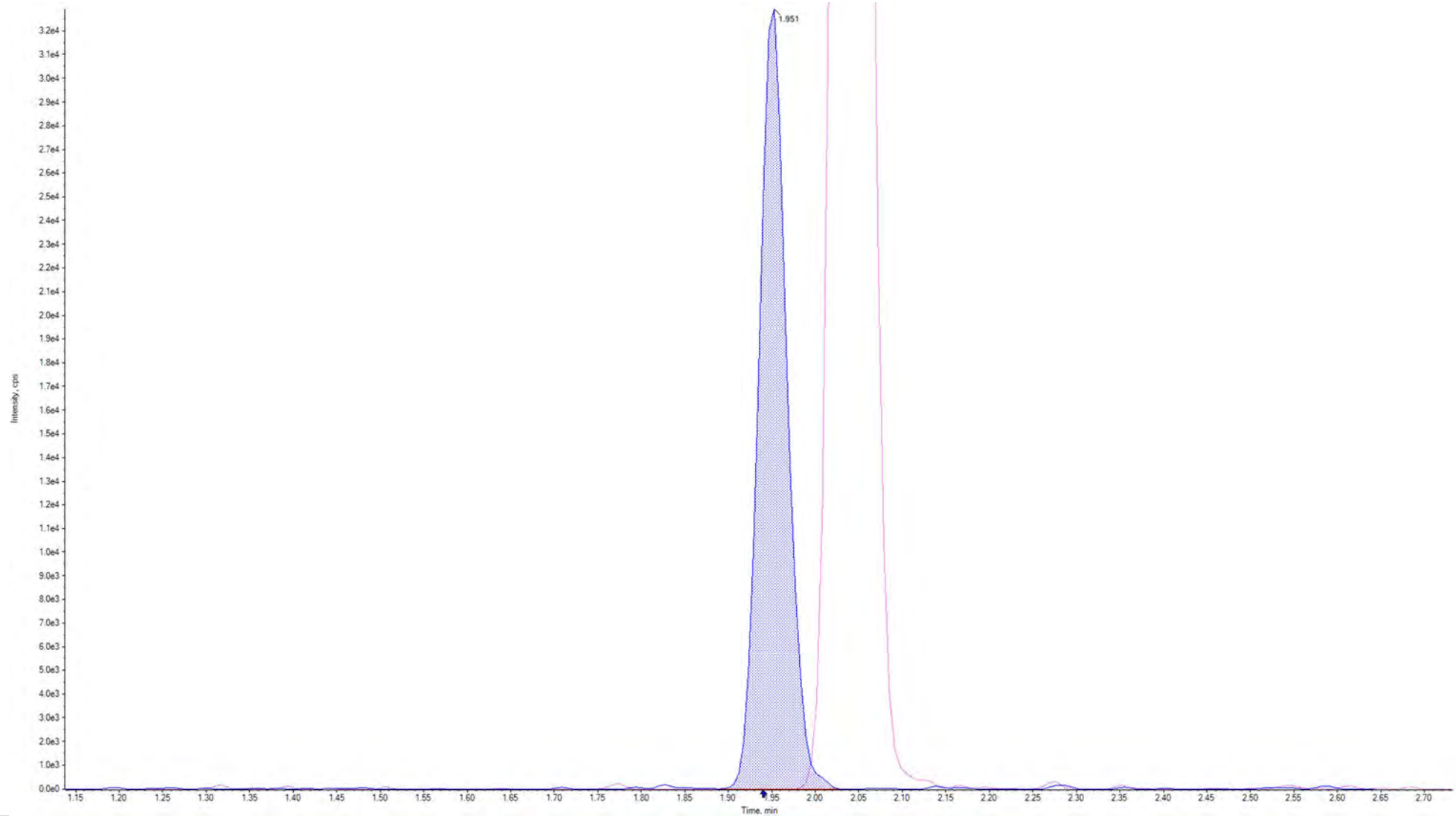
NFDHA_2
Sample: IA1633STD-.5 S/N:742.2 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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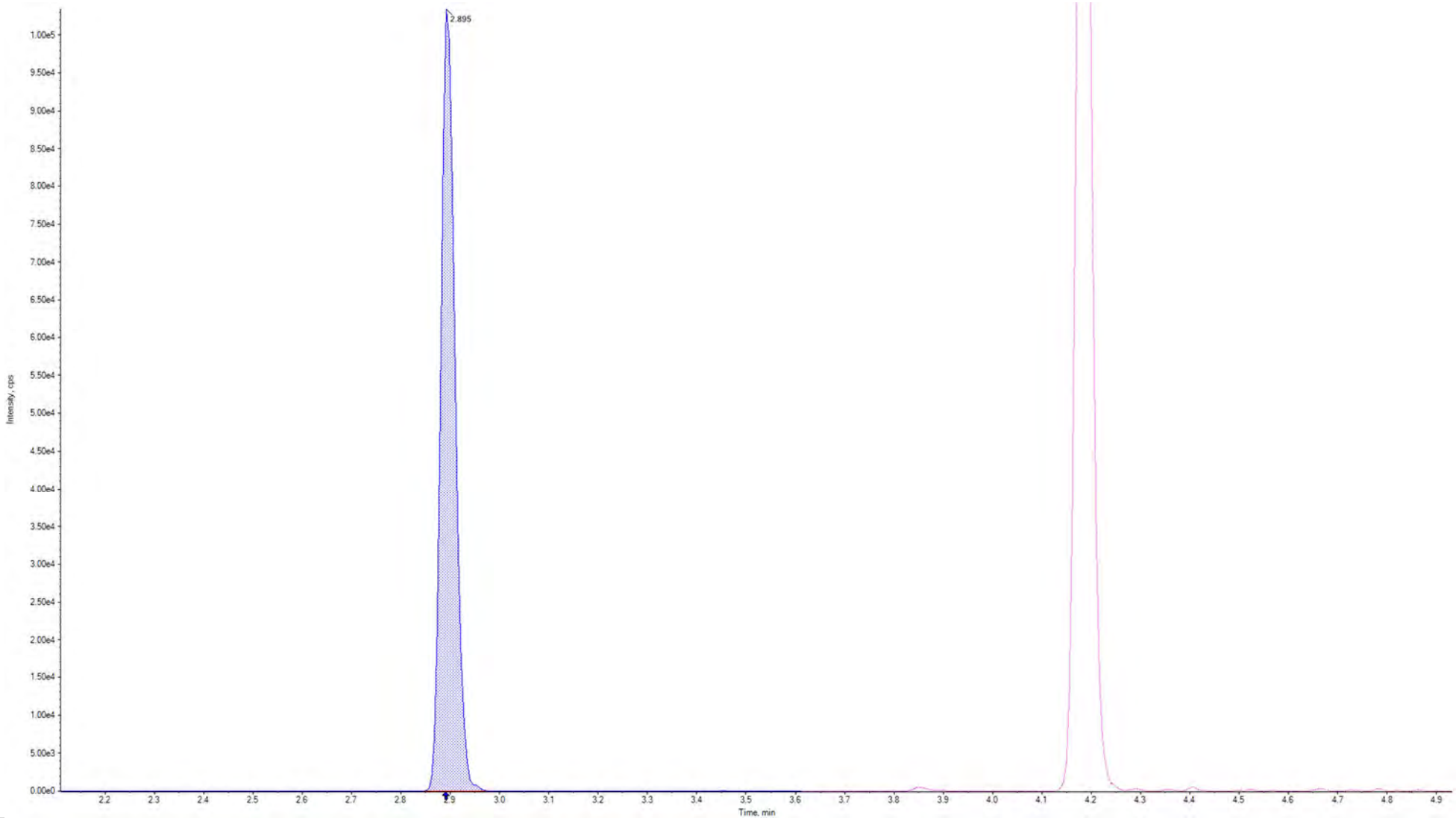
TDCA
Sample: IA1633STD-.5 S/N:1295.8 Points Across peak:35



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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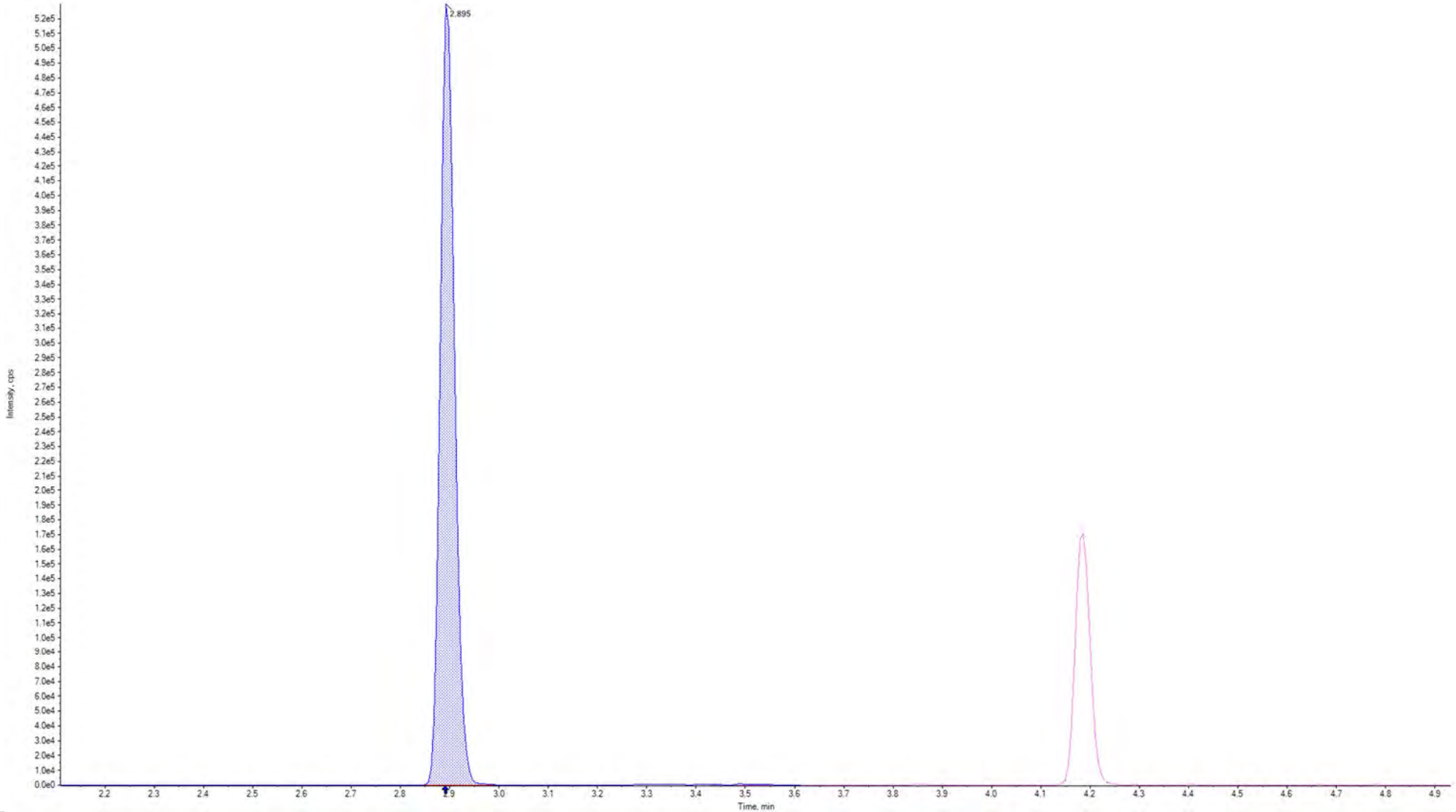
Generated: 2/28/2025 12:43:00 PM

TDCA_2
Sample: IA1633STD-.5 S/N:6641.6 Points Across peak:33



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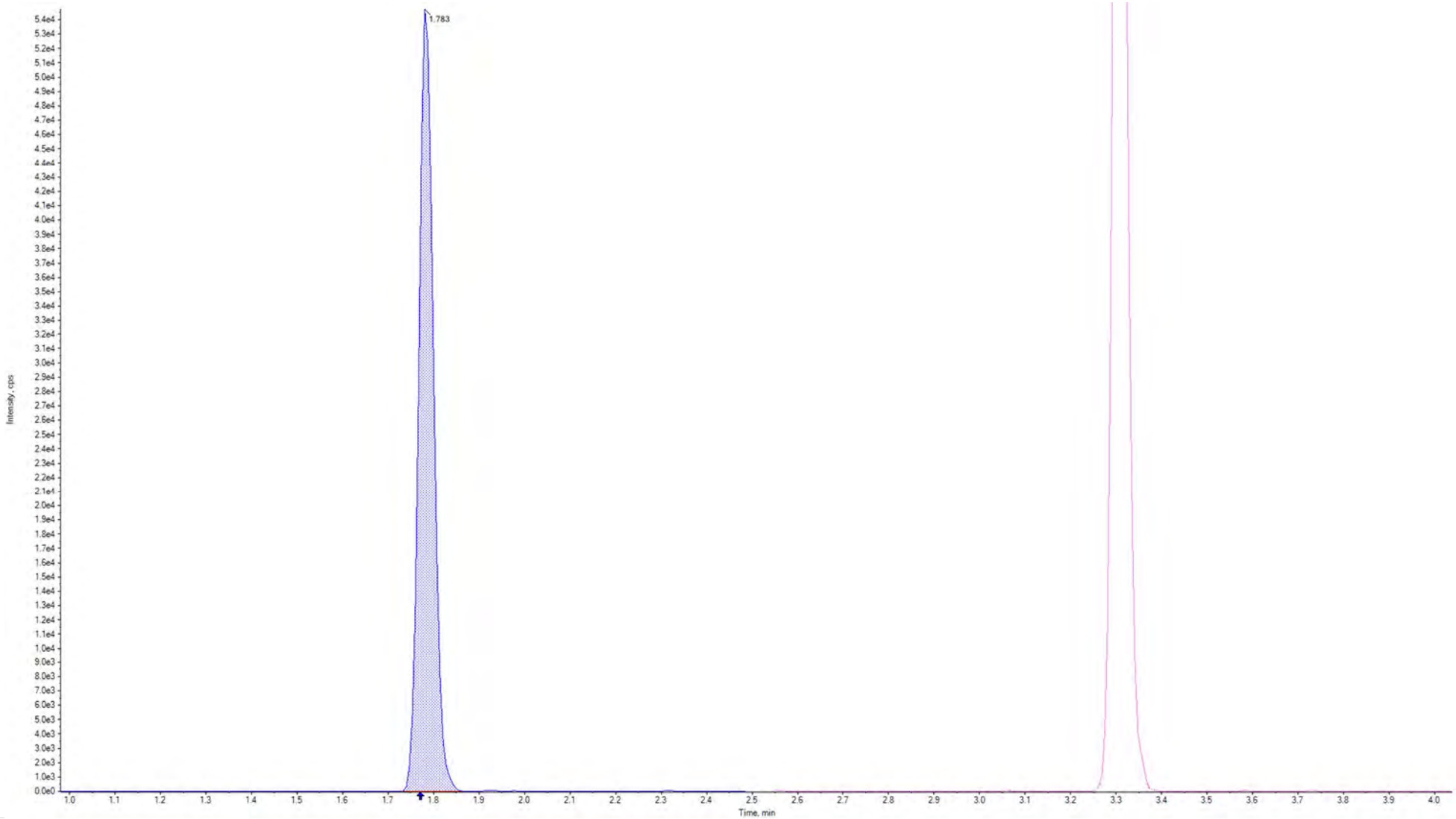
13C2D4-4:2FTS
Sample: IA1633STD-.5 S/N:1509.1 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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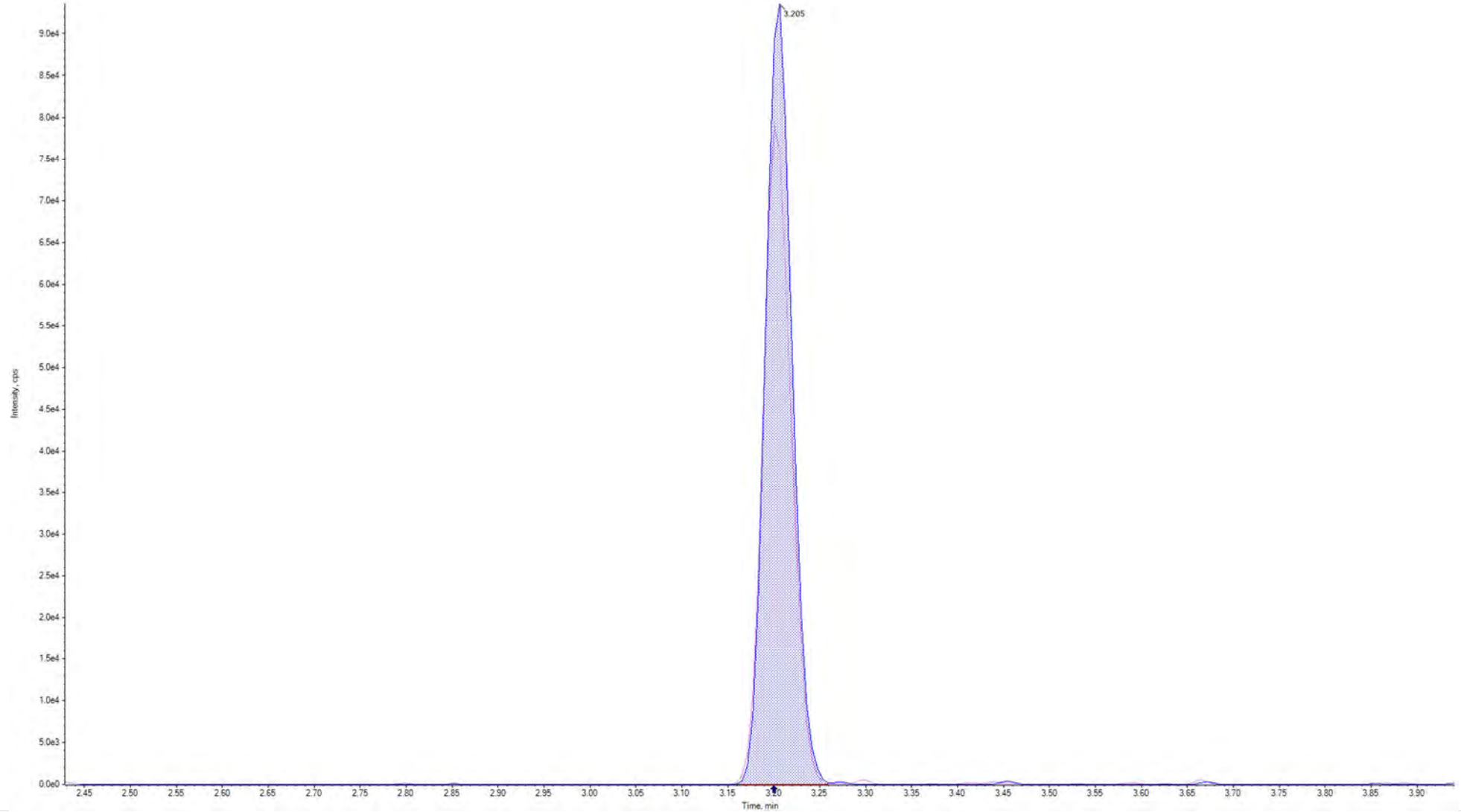
13C2-PFOA
Sample: IA1633STD-.5 S/N:1172.1 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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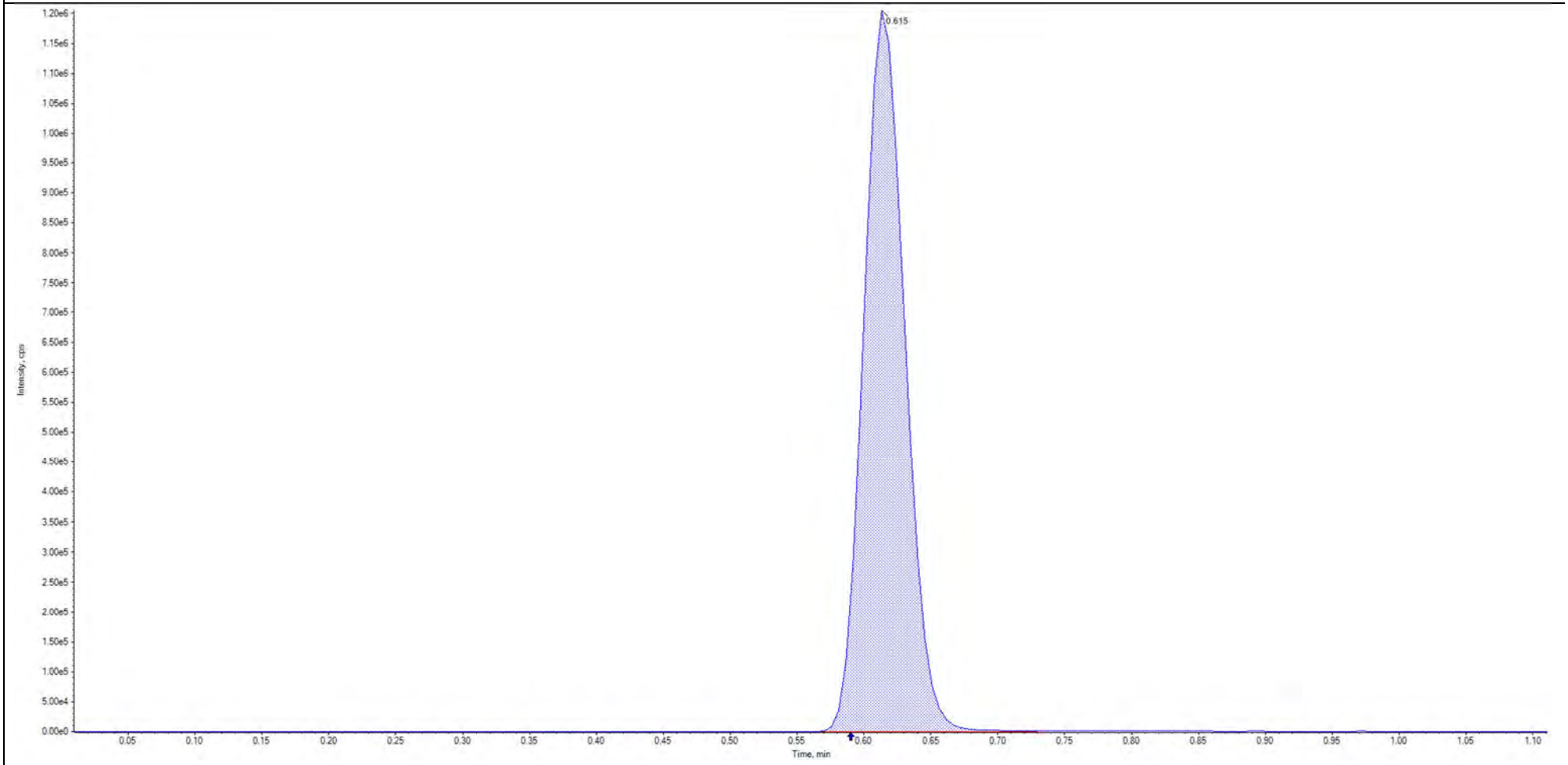
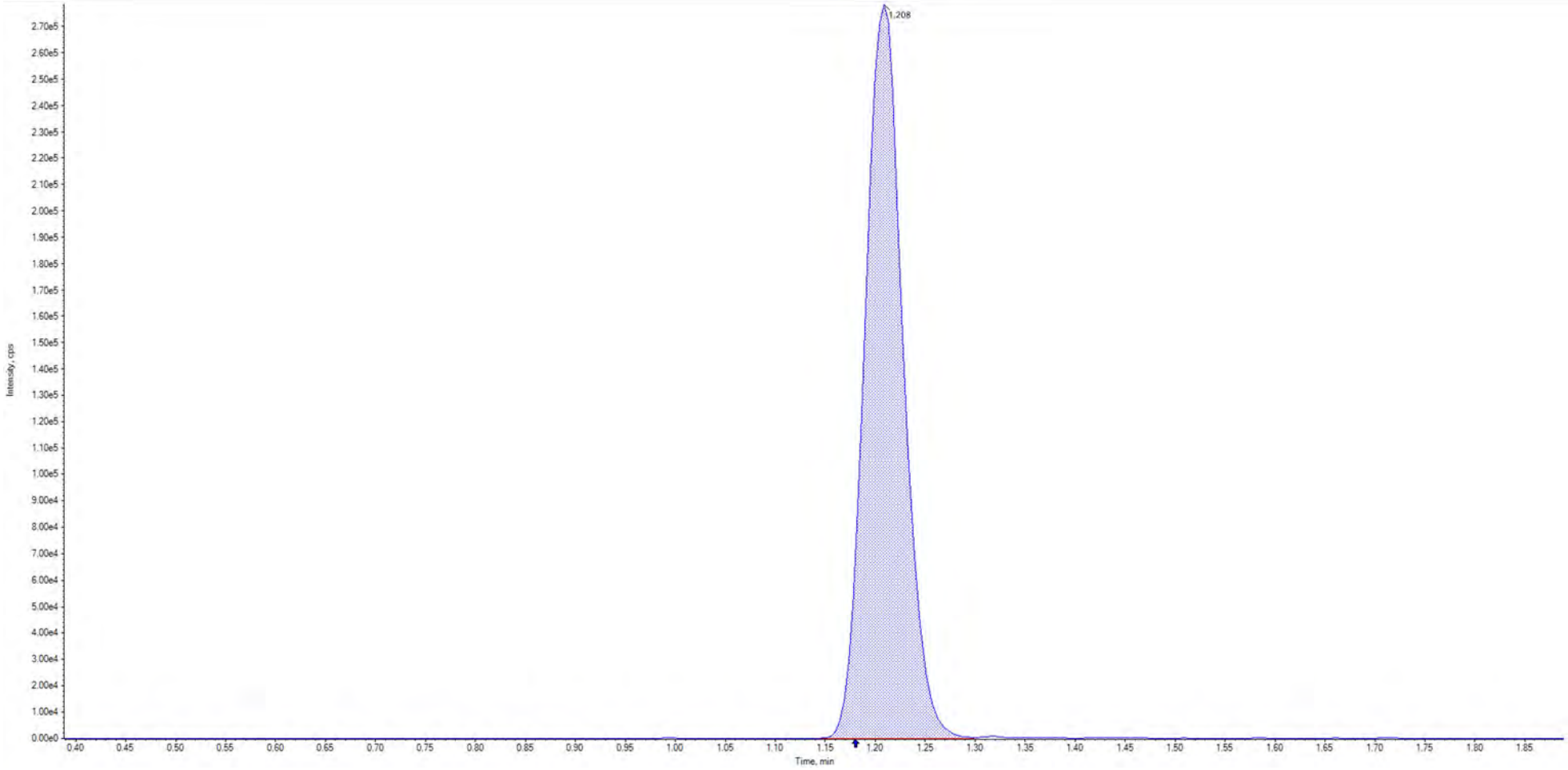
13C4-PFBA
Sample: IA1633STD-.5



13C5-PFPeA
Sample: IA1633STD-.5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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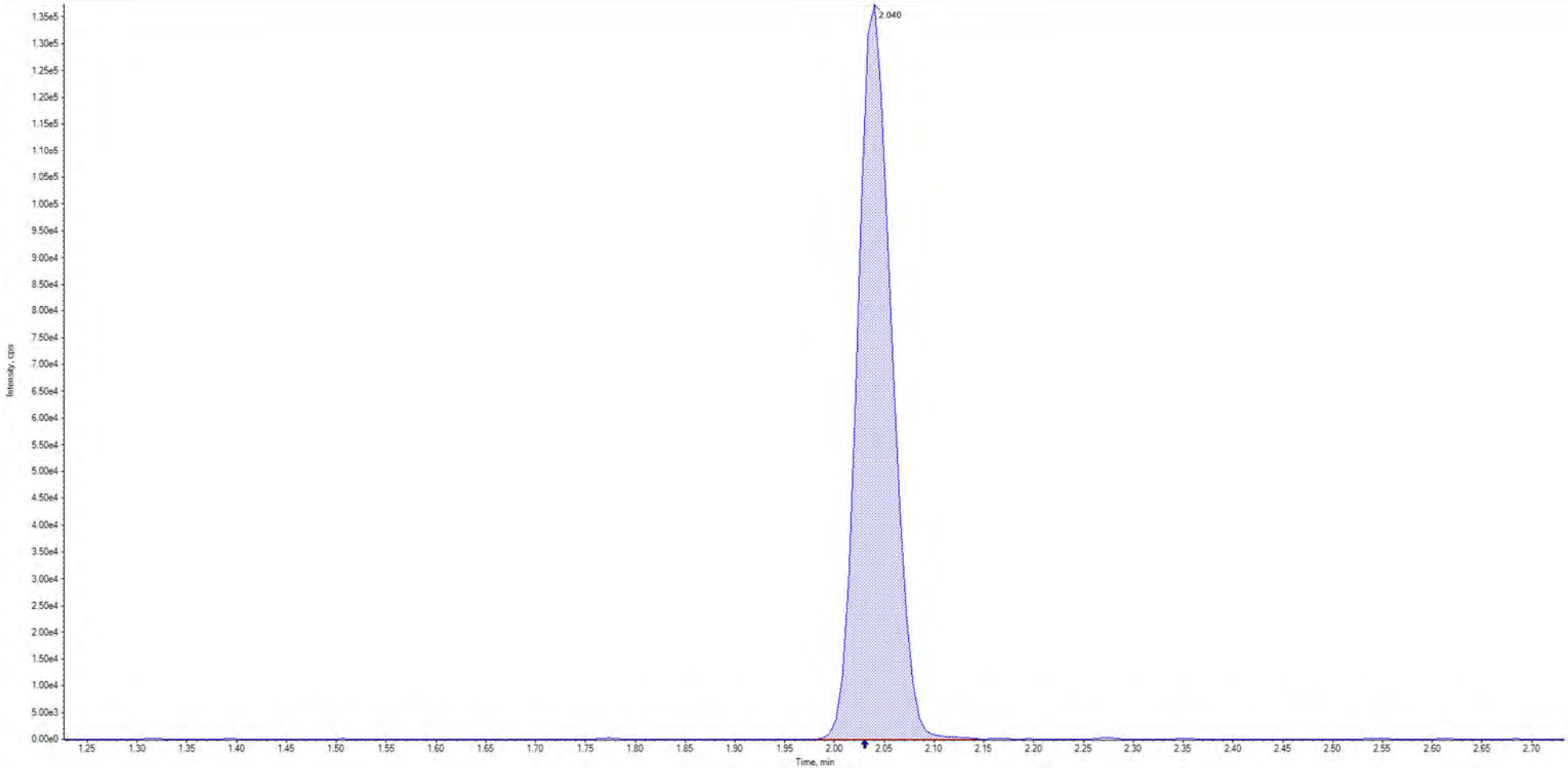
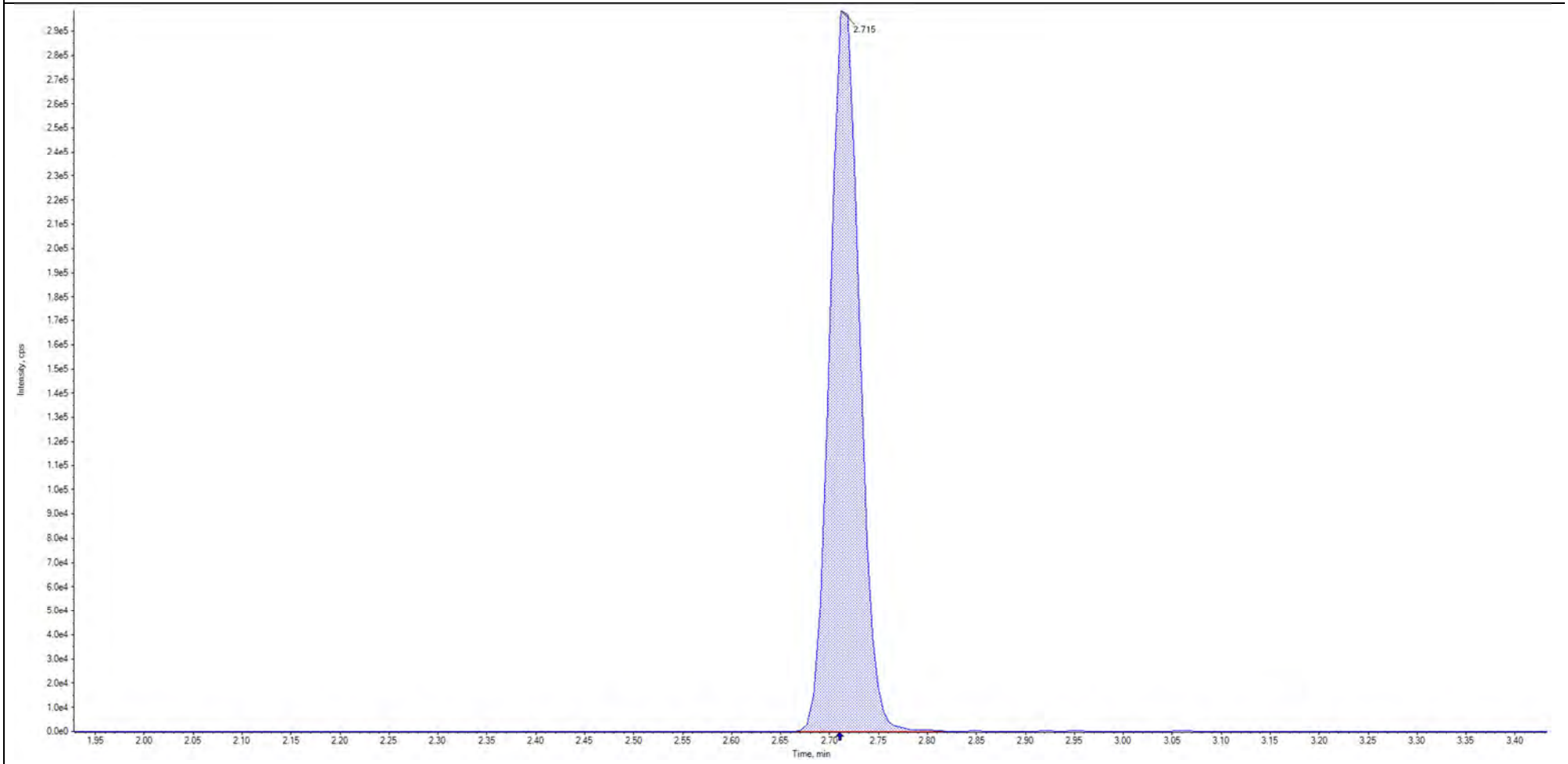
13C5-PFHxA
Sample: IA1633STD-.5



13C4-PFHpA
Sample: IA1633STD-.5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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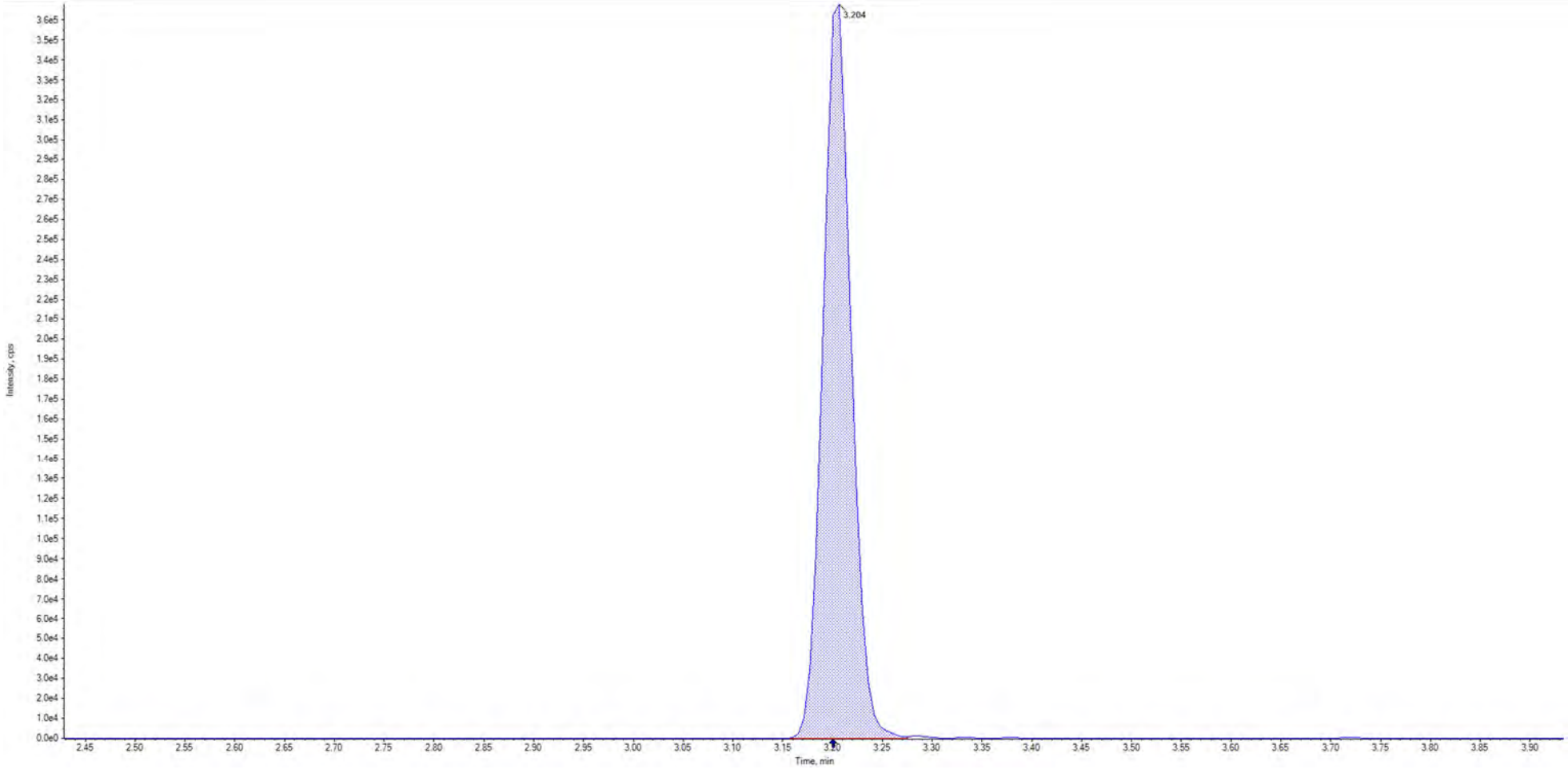
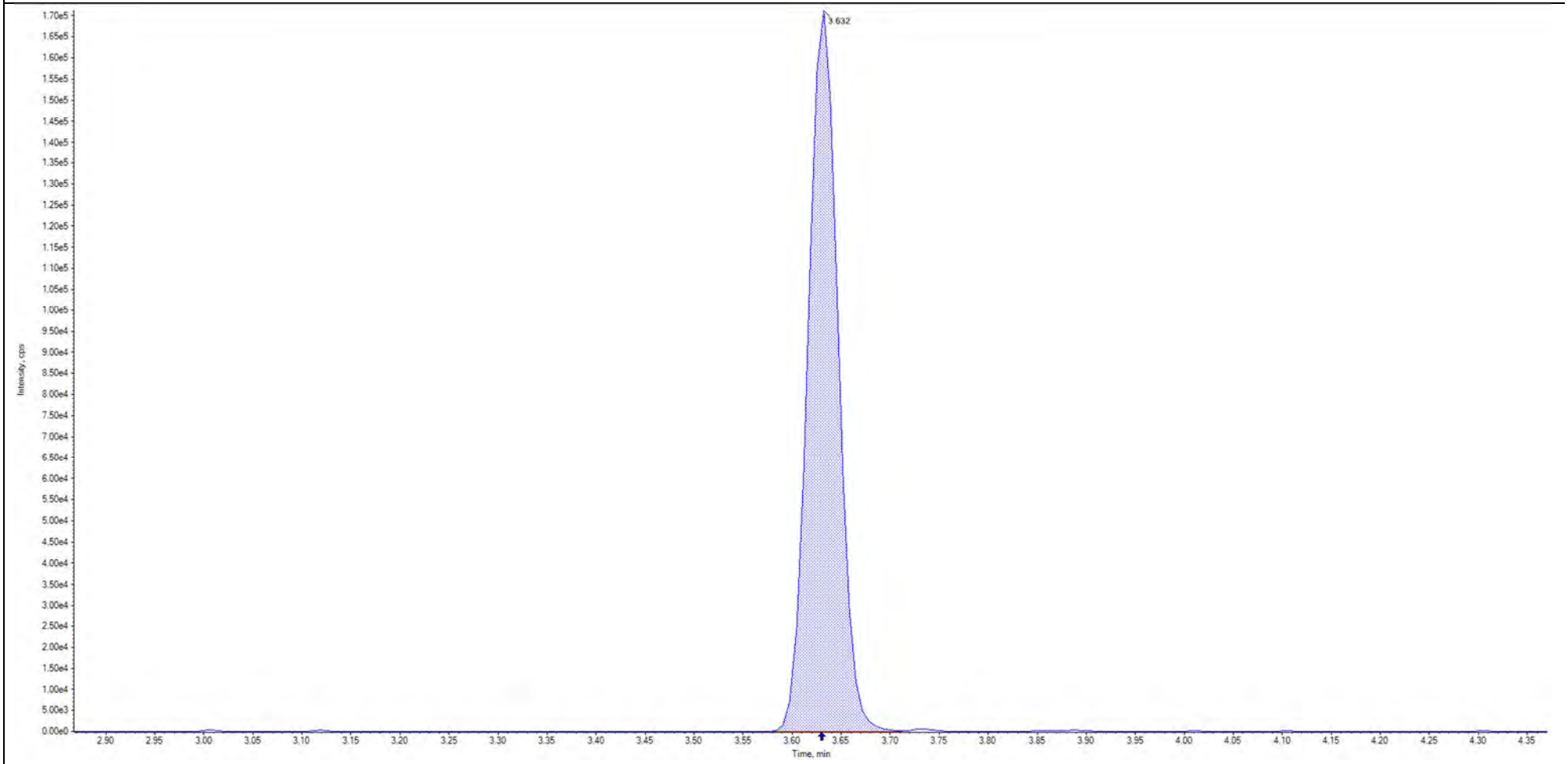
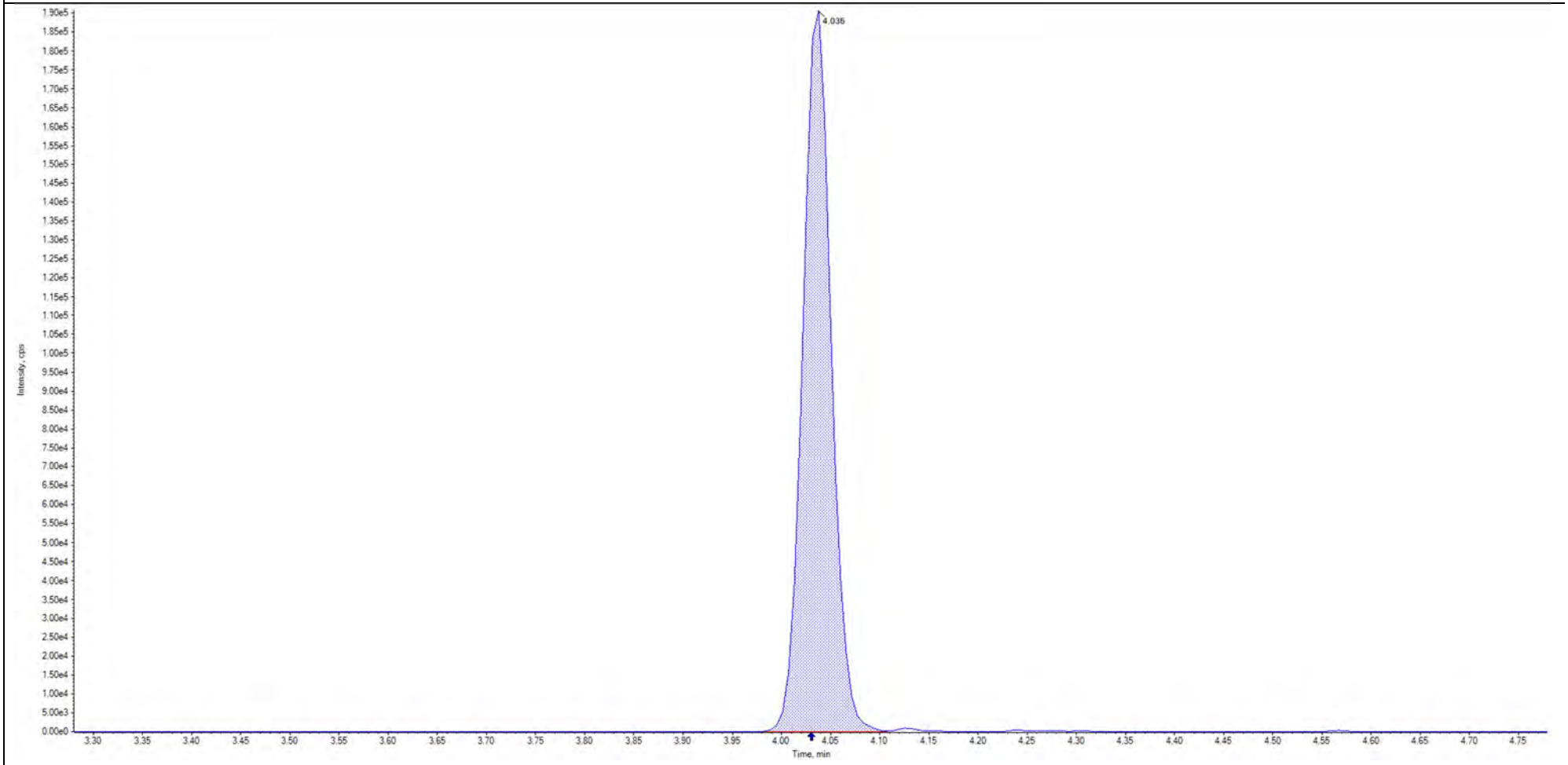
13C8-PFOA
Sample: IA1633STD-.5



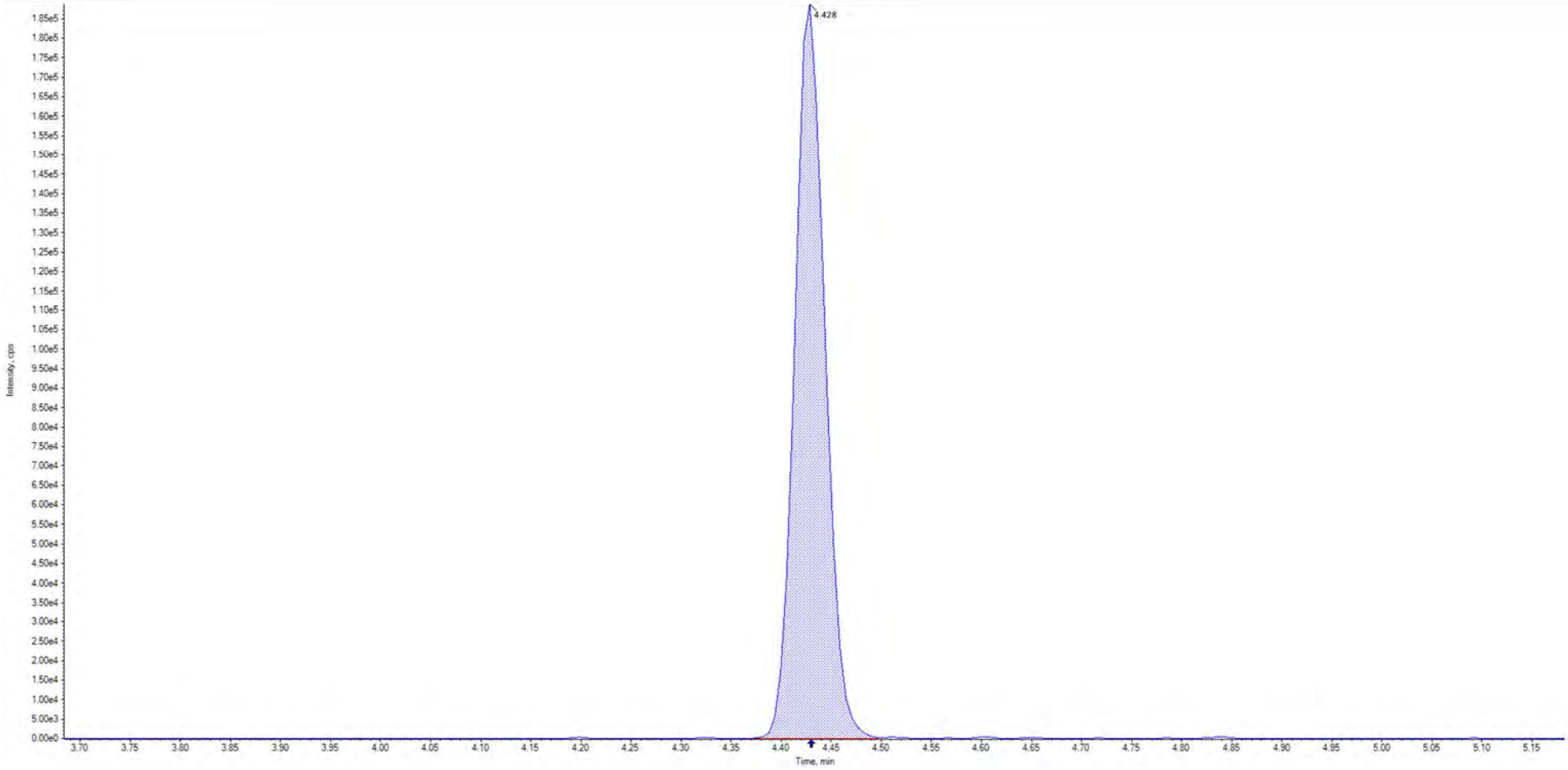
13C9-PFNA
Sample: IA1633STD-.5



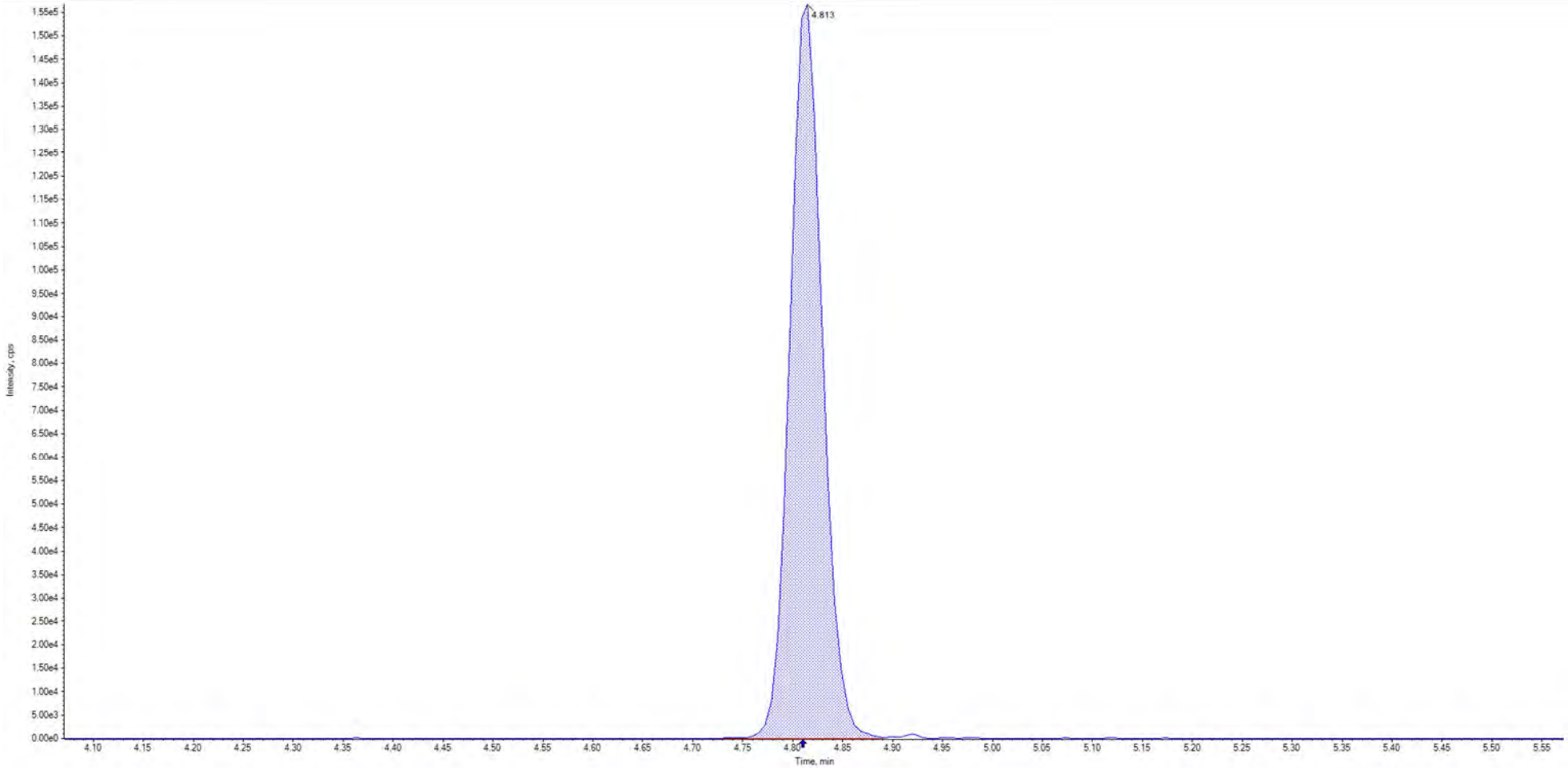
13C6-PFDA
Sample: IA1633STD-.5



13C7-PFUnA
Sample: IA1633STD-.5



13C2-PFDoA
Sample: IA1633STD-.5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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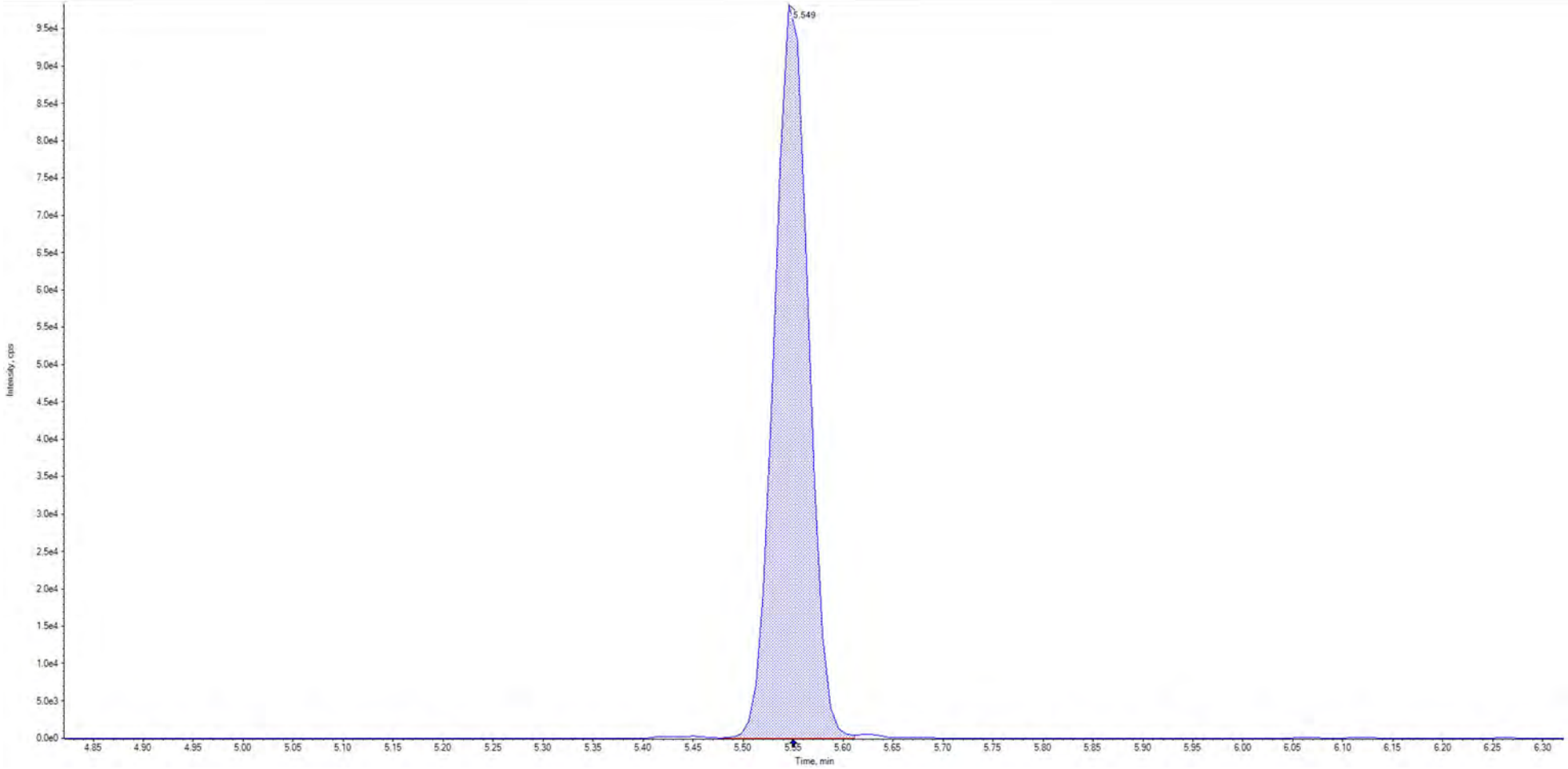
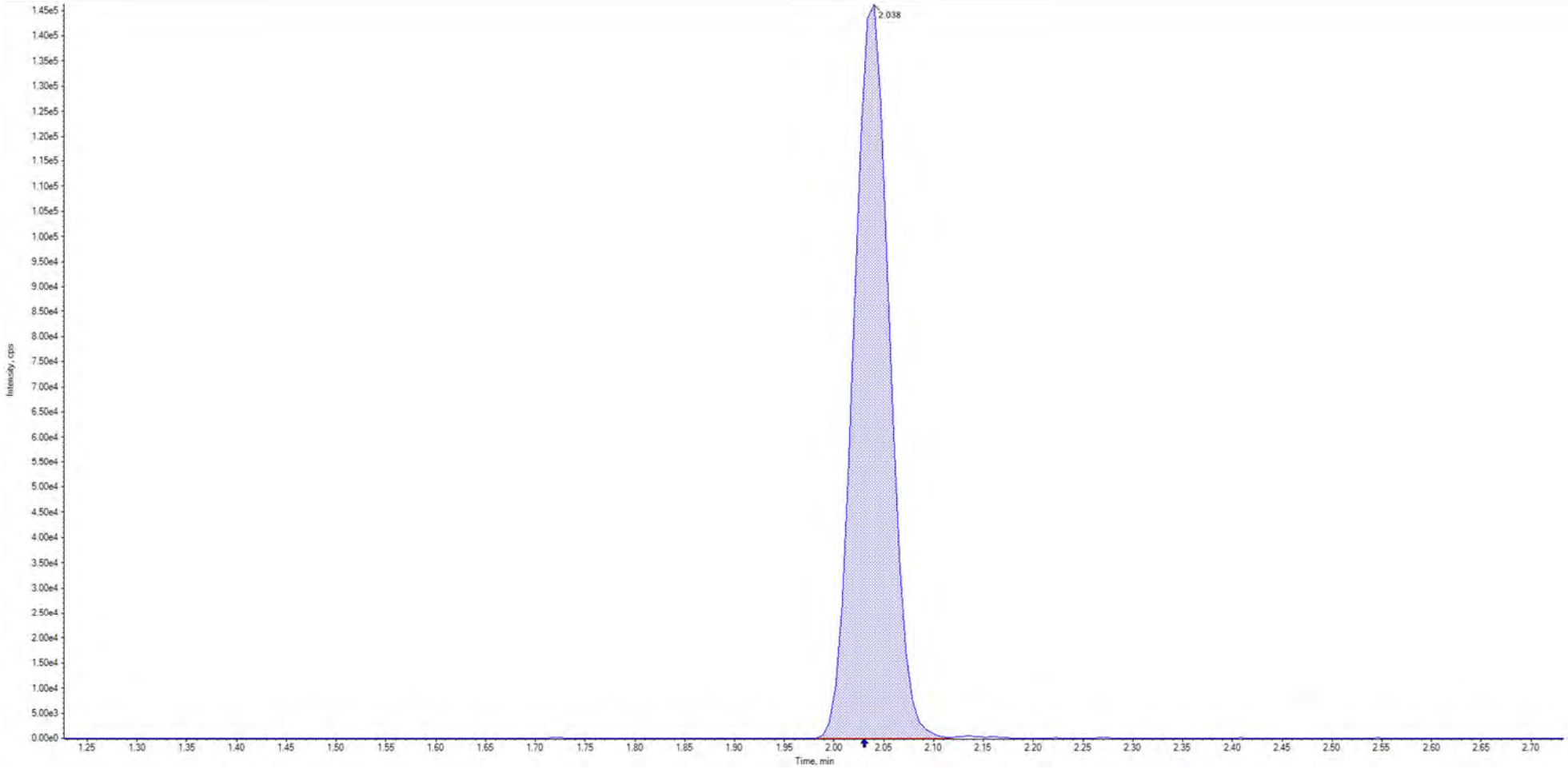
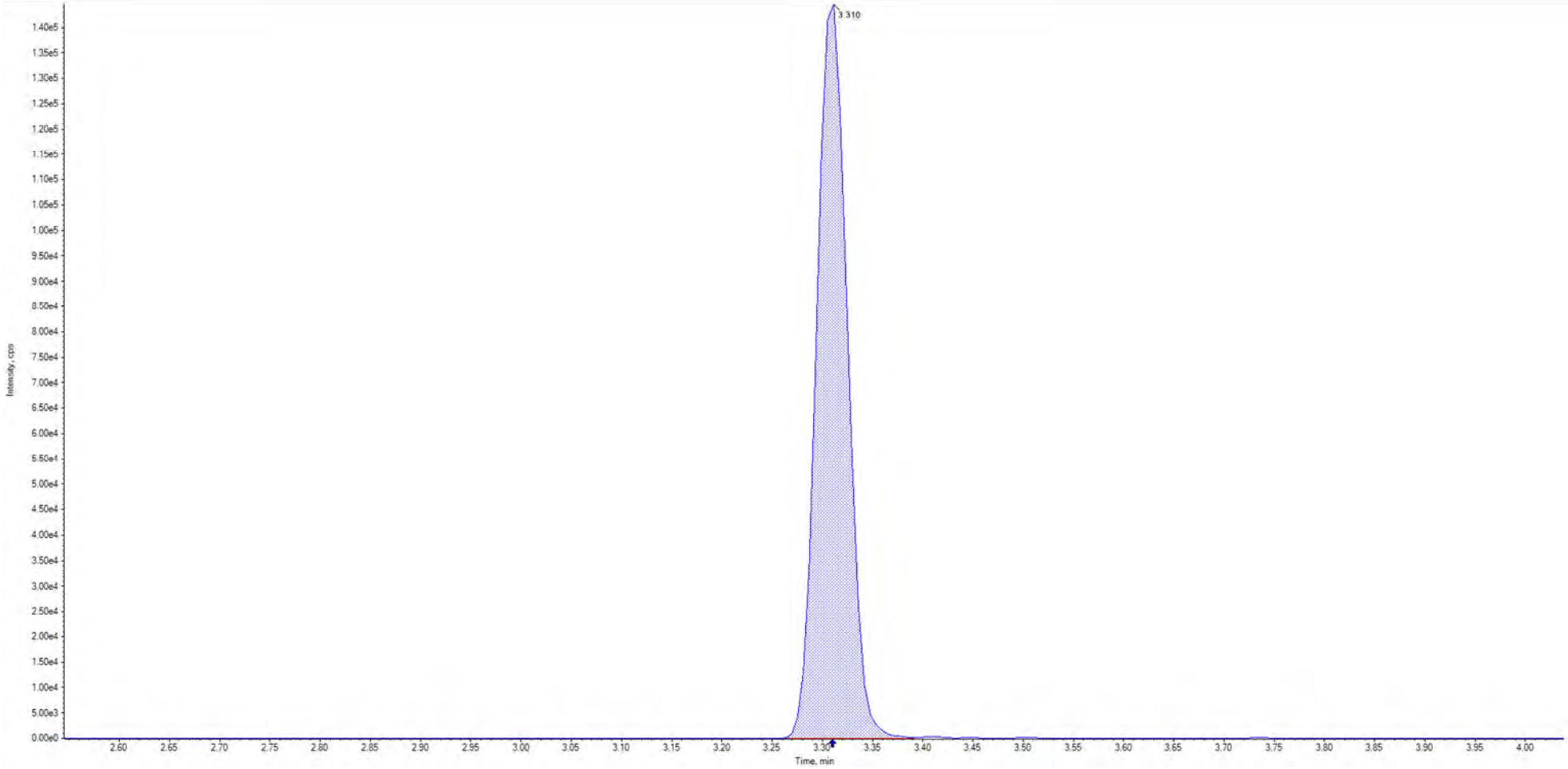
13C2-PFTeDA
Sample: IA1633STD-.5



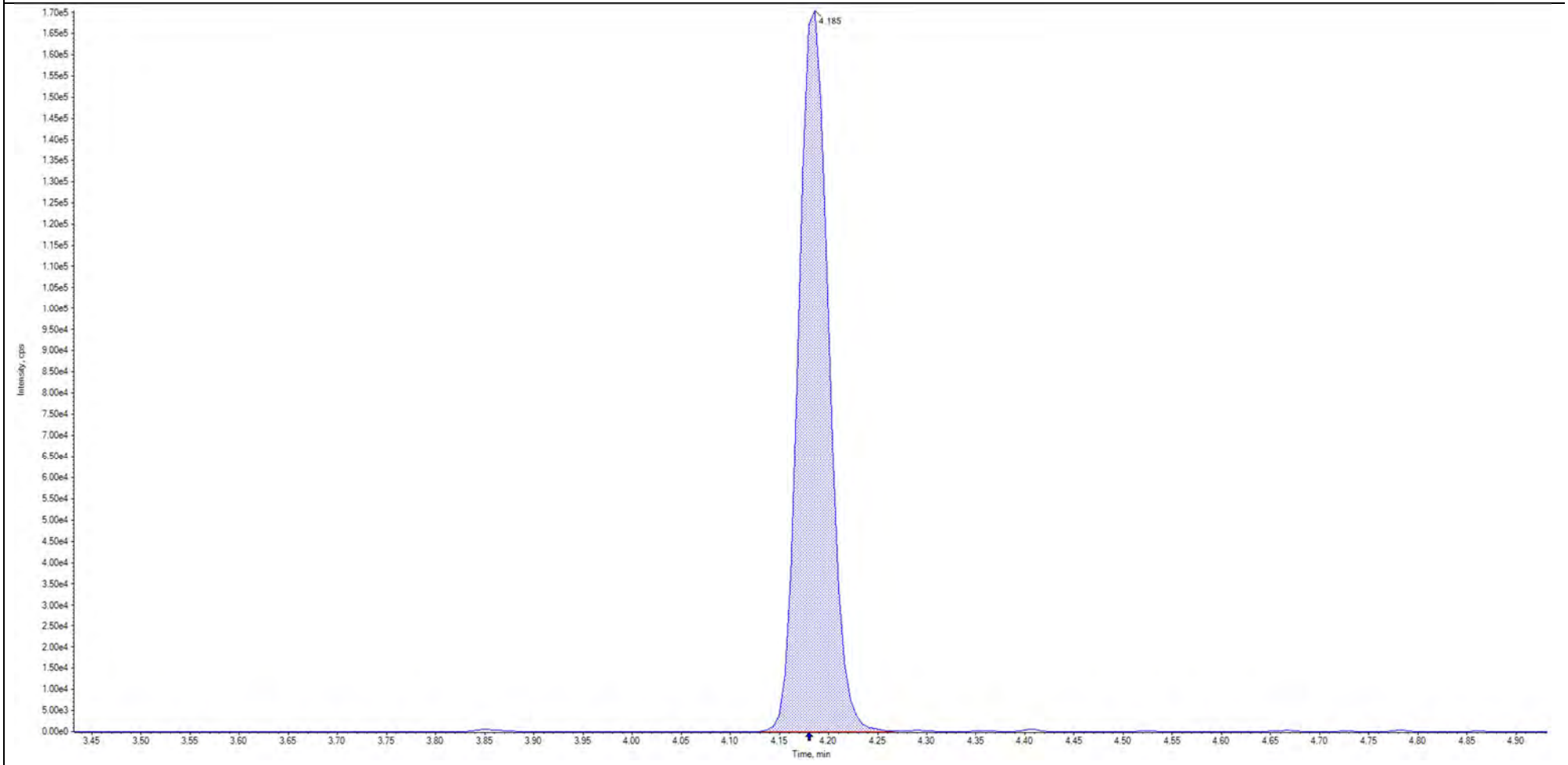
13C3-PFBS
Sample: IA1633STD-.5



13C3-PFHxS
Sample: IA1633STD-.5



13C8-PFOS
Sample: IA1633STD-.5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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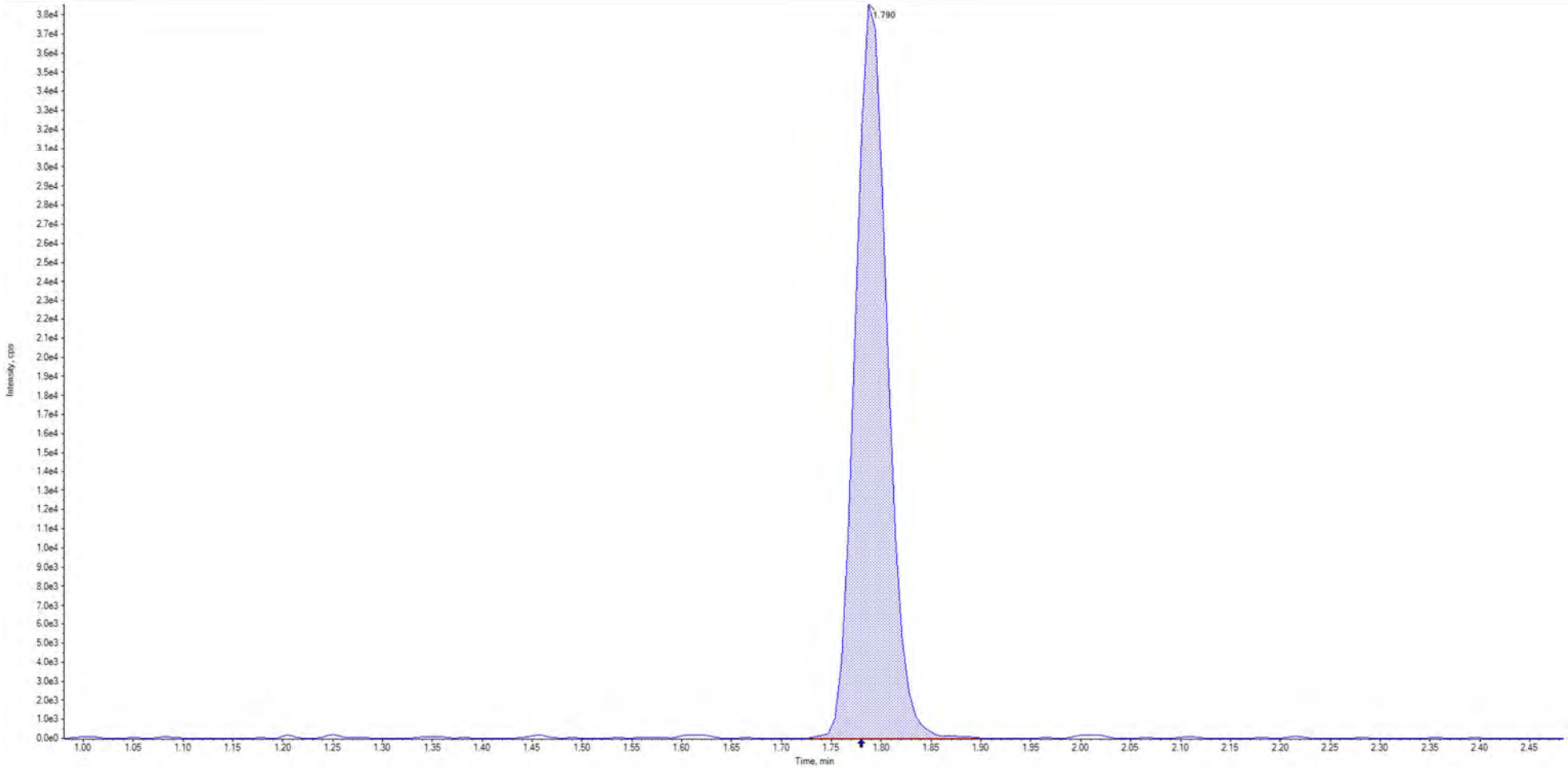
13C2-4:2FTS
Sample: IA1633STD-.5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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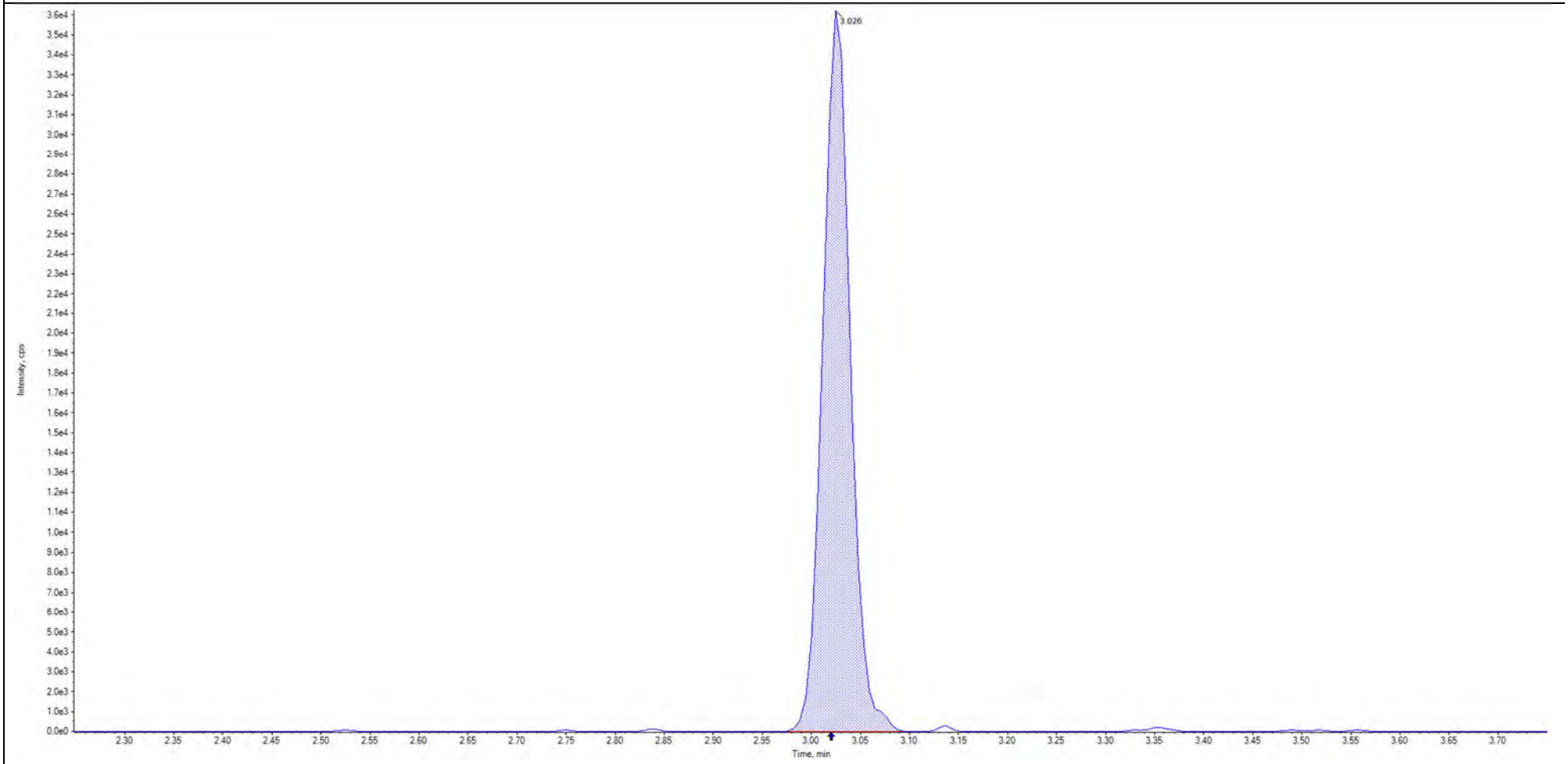
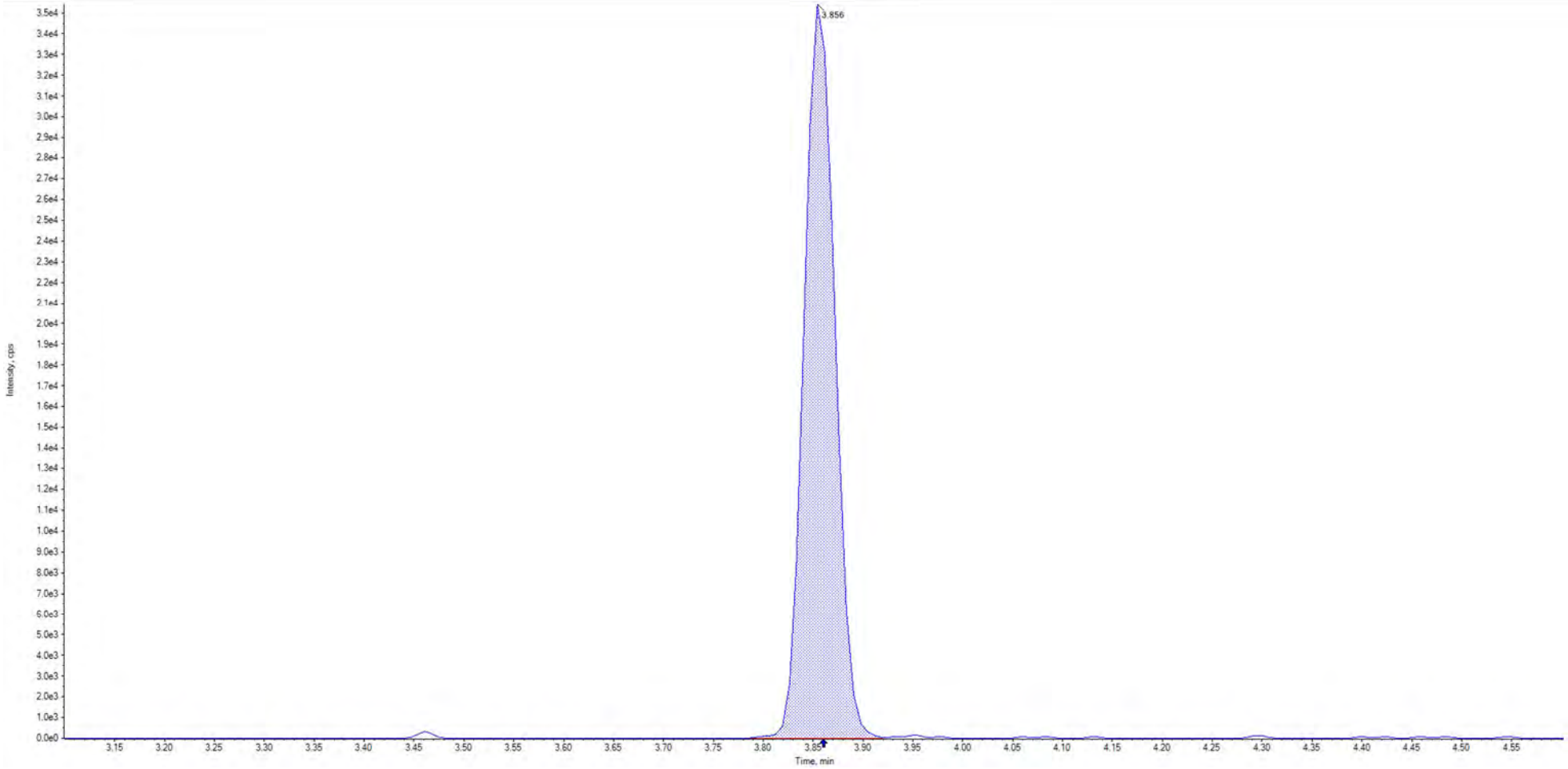
13C2-6:2FTS
Sample: IA1633STD-.5



13C2-8:2FTS
Sample: IA1633STD-.5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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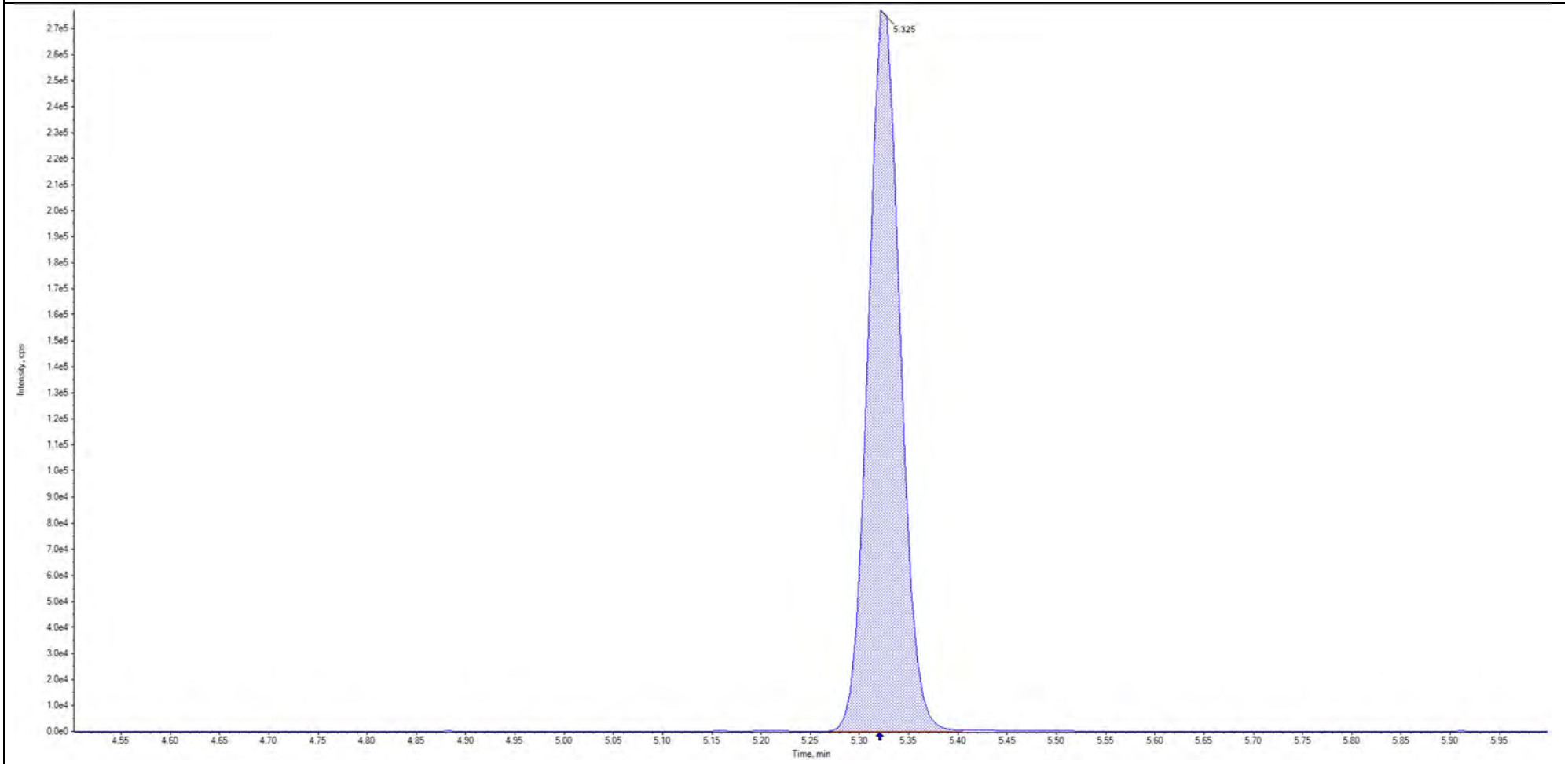
13C8-PFOSA
Sample: IA1633STD-.5



d3-NMeFOSA
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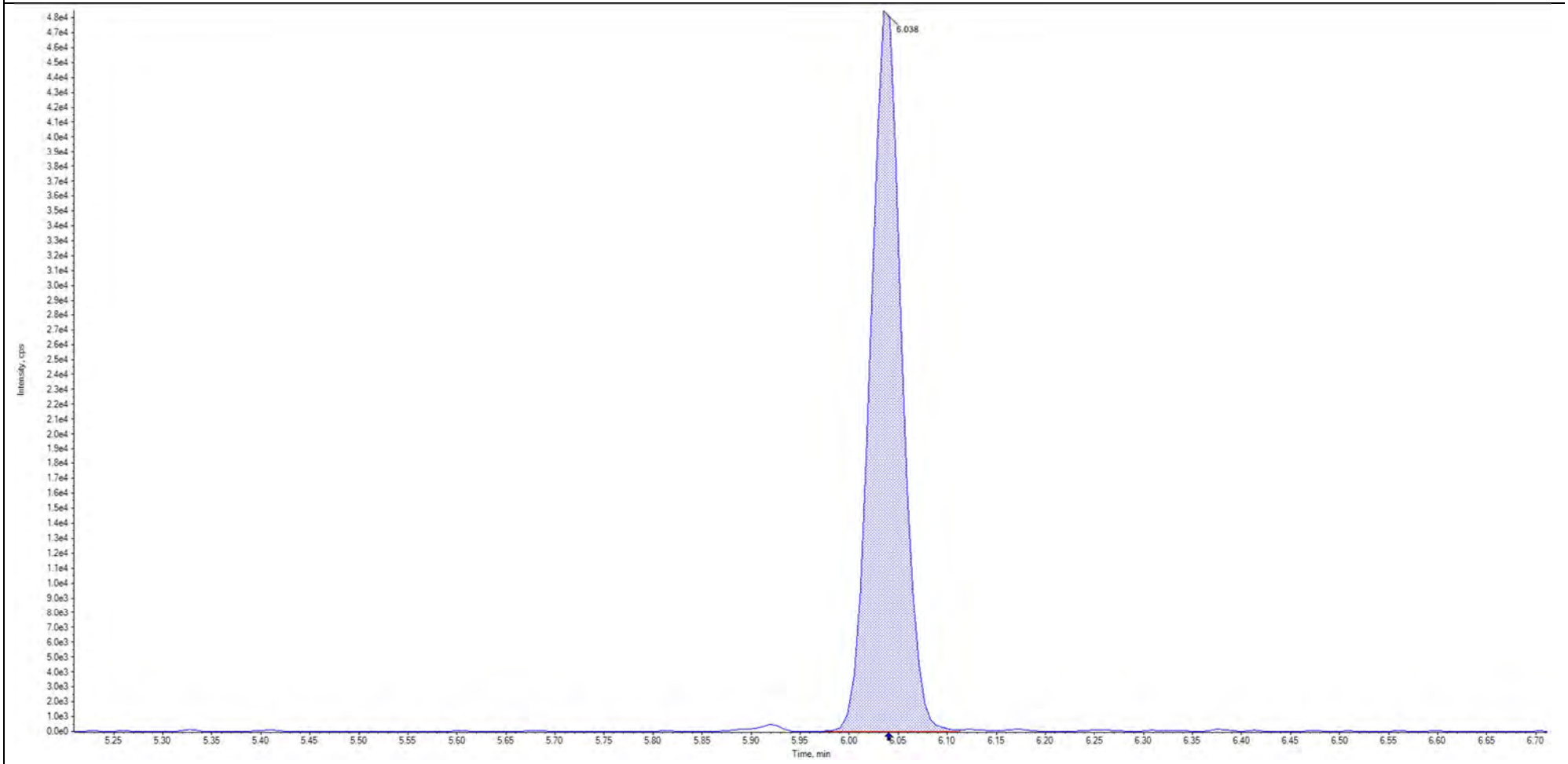
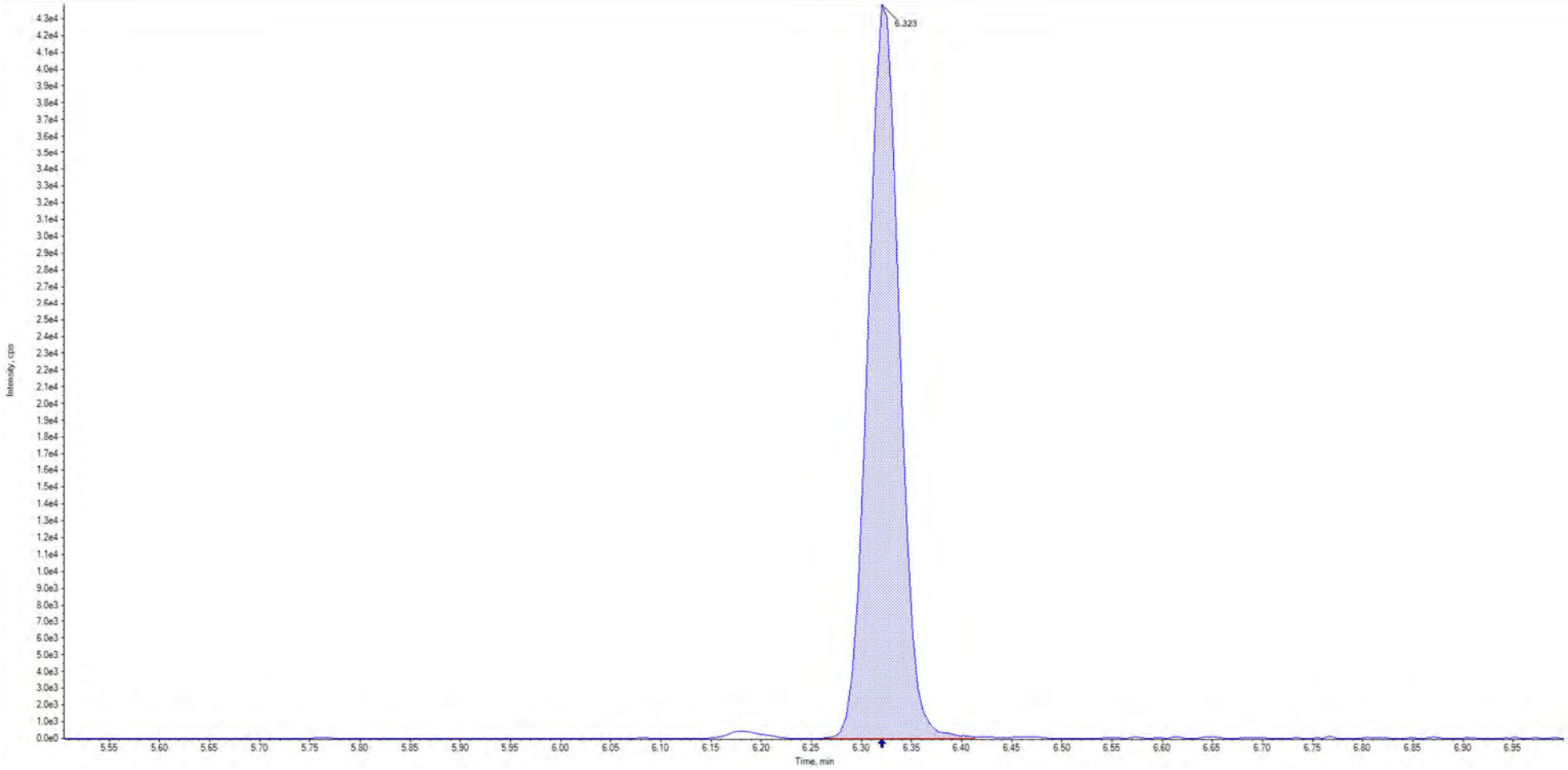


d5-NEtFOSA
Sample: IA1633STD-.5



d3-NMeFOSAA
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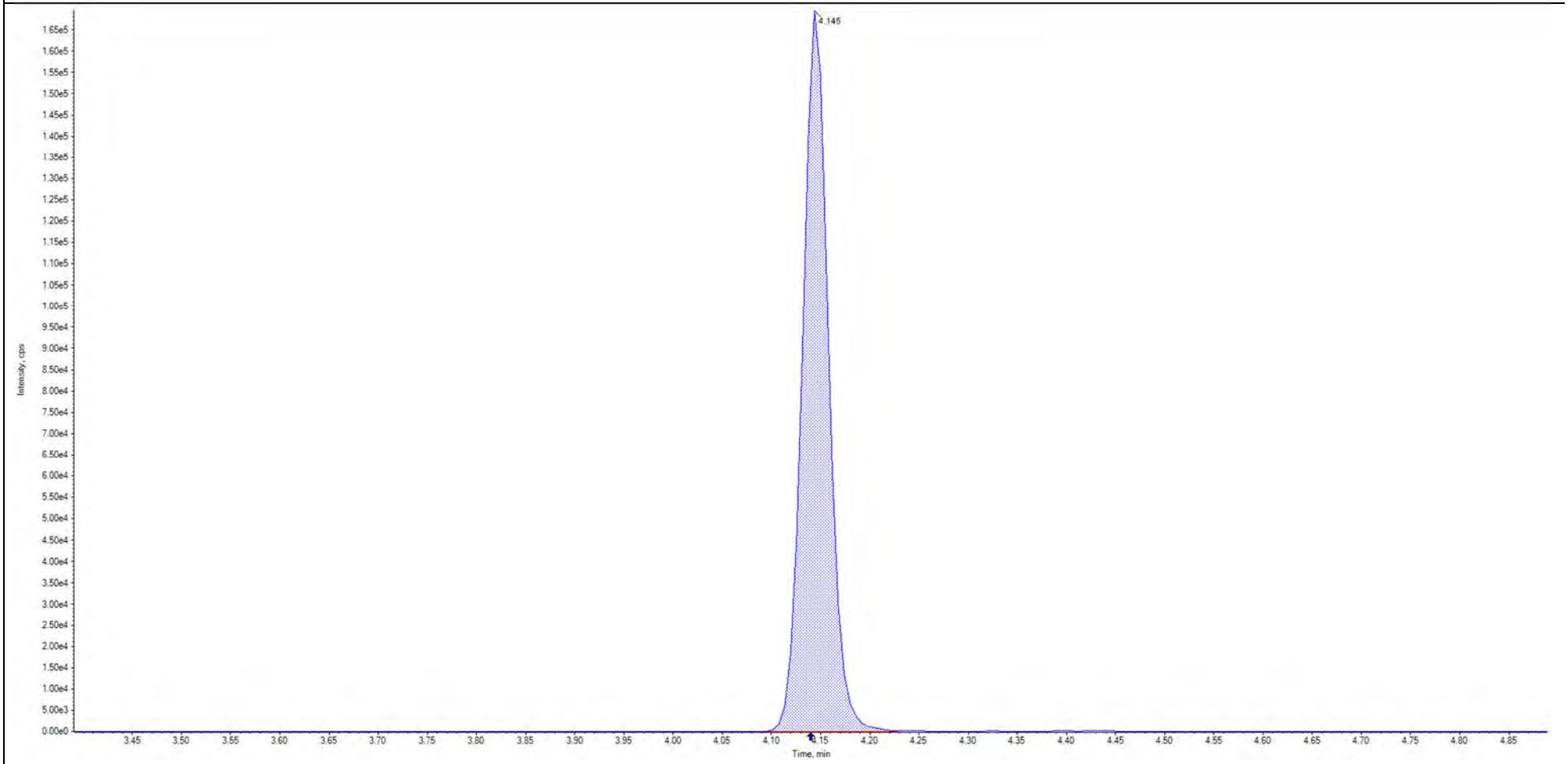

d5-NEtFOSAA
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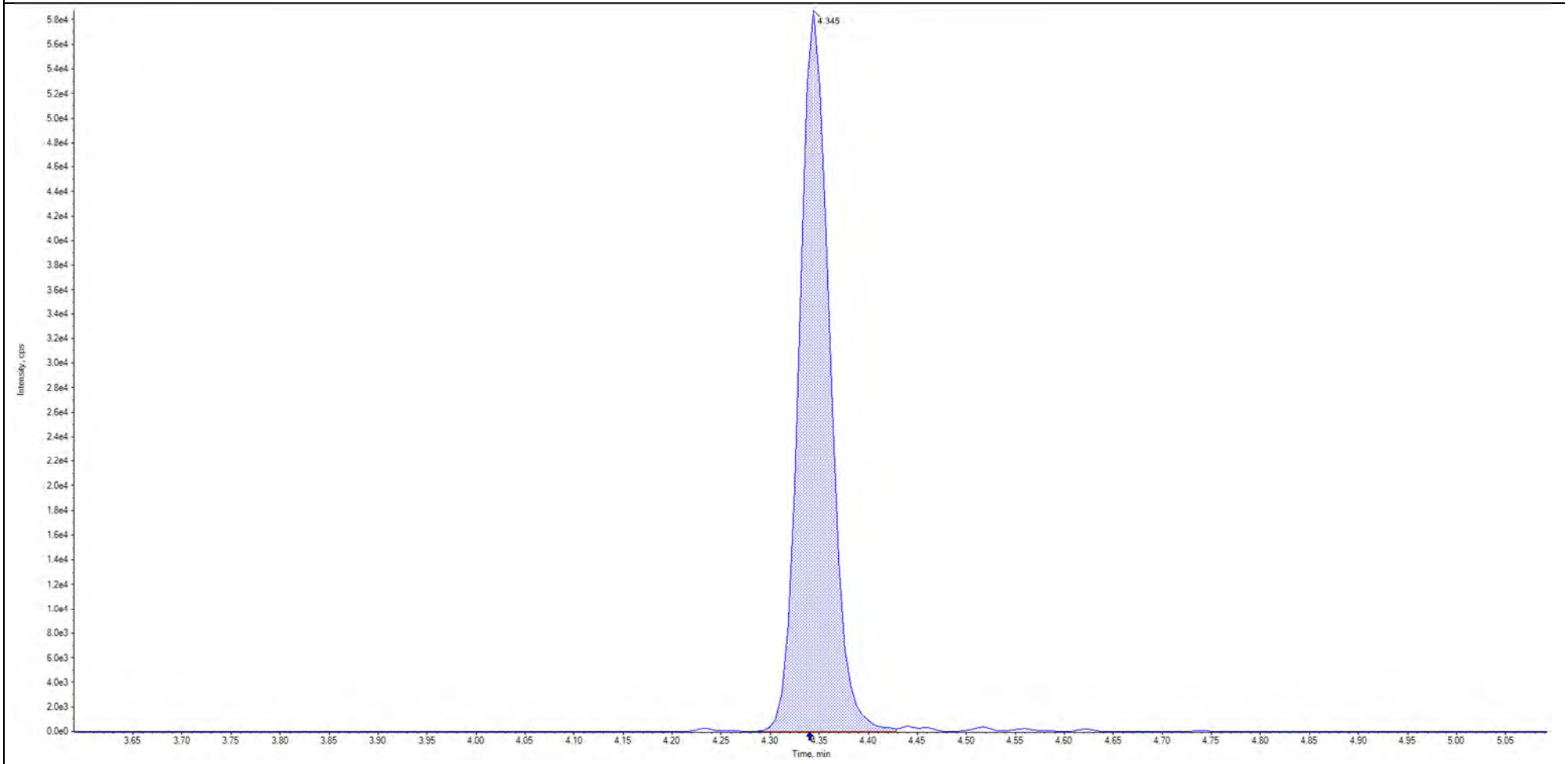
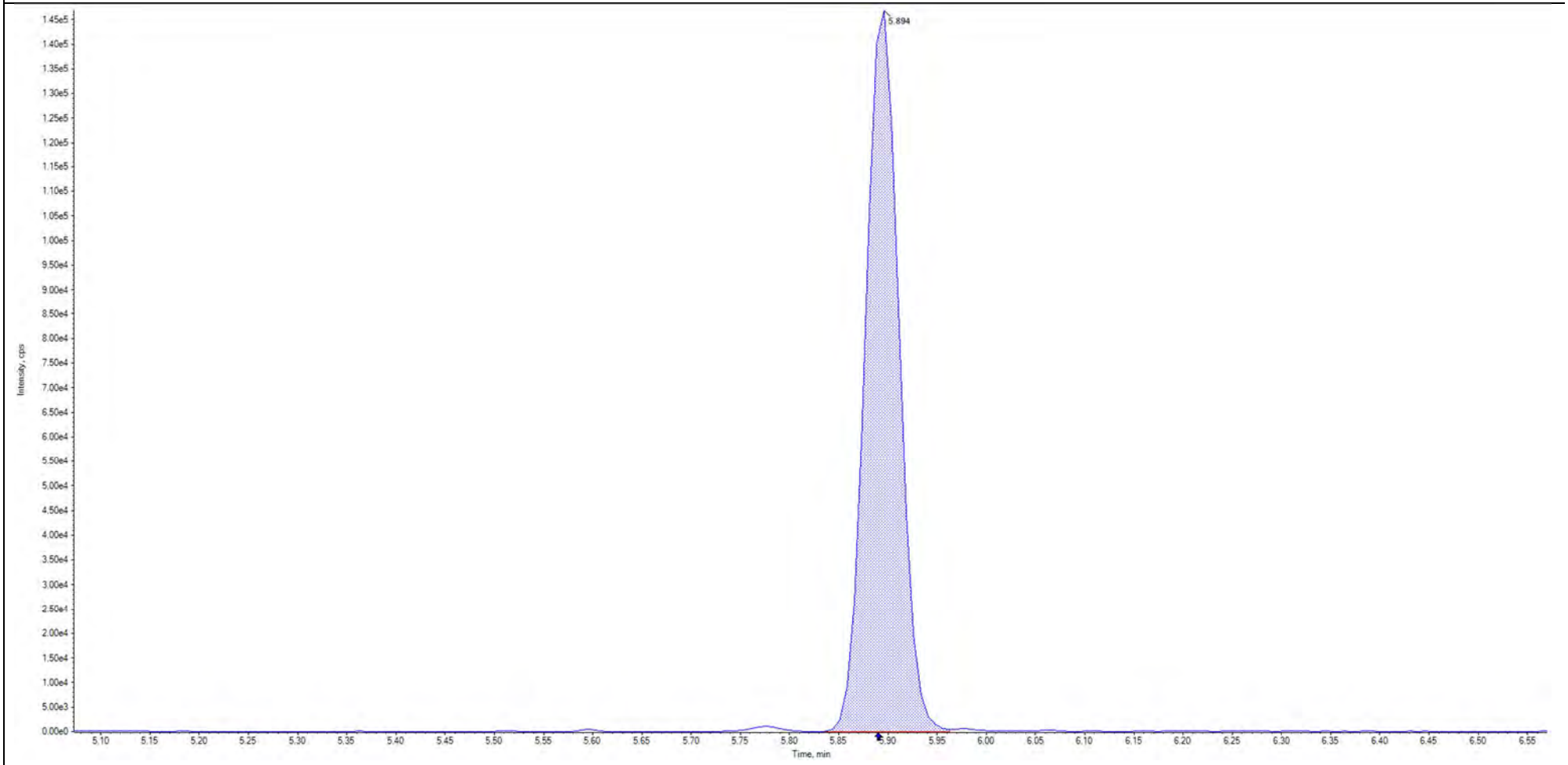
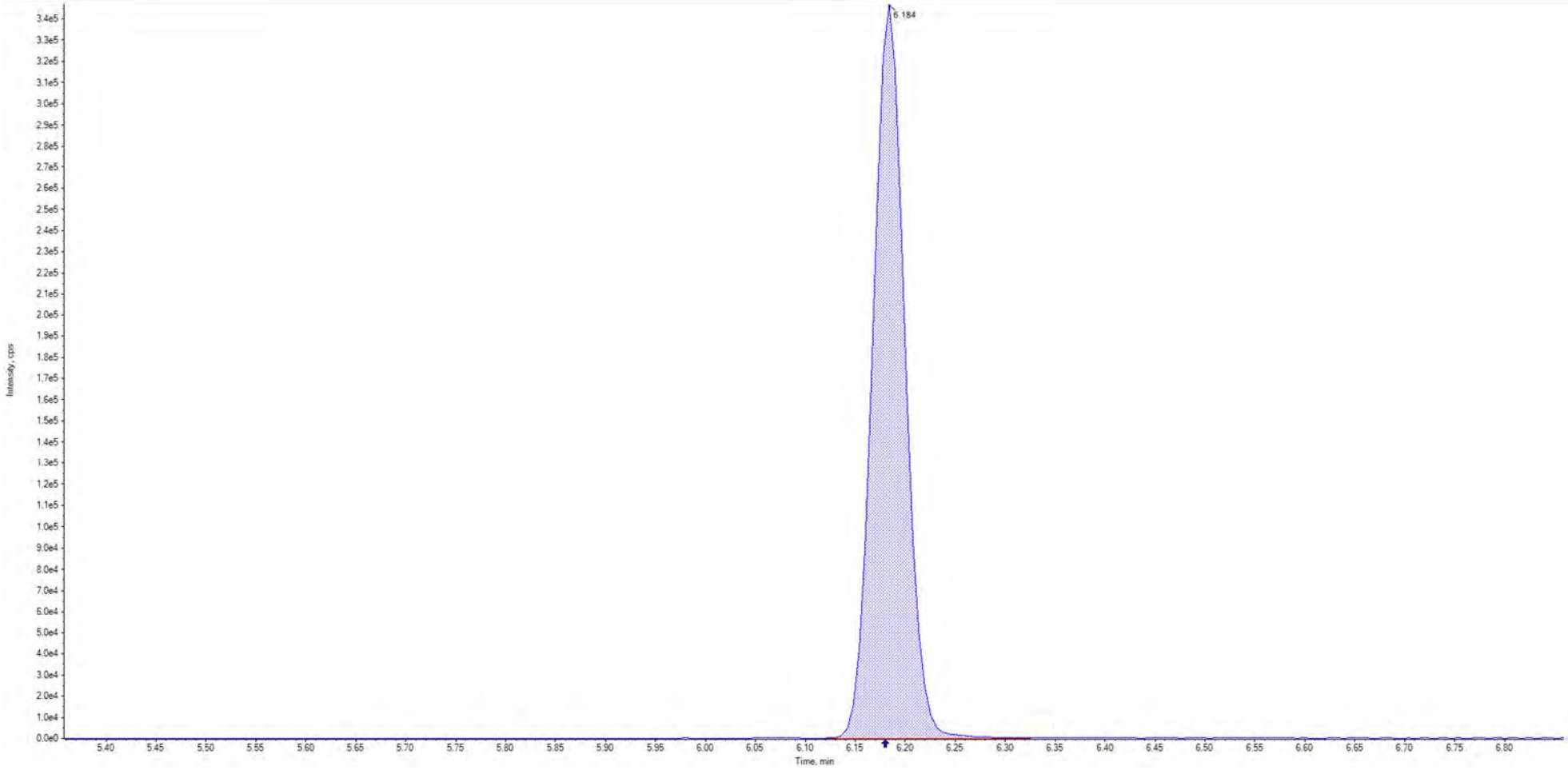


d7-NMeFOSE
Sample: IA1633STD-.5



d9-NEtFOSE
Sample: IA1633STD-.5



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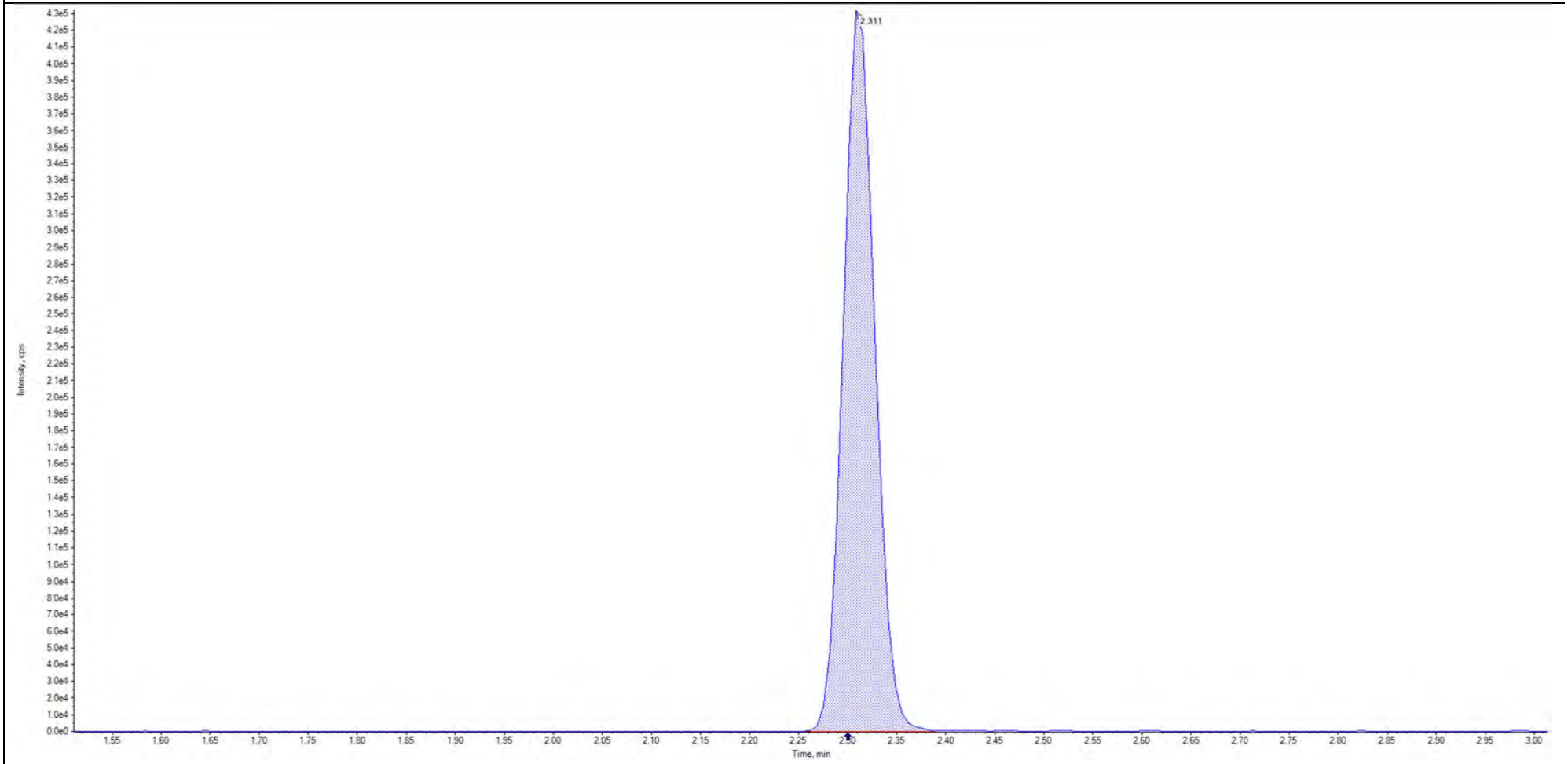
13C3-HFPO-DA
Sample: IA1633STD-.5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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13C3-PFBA
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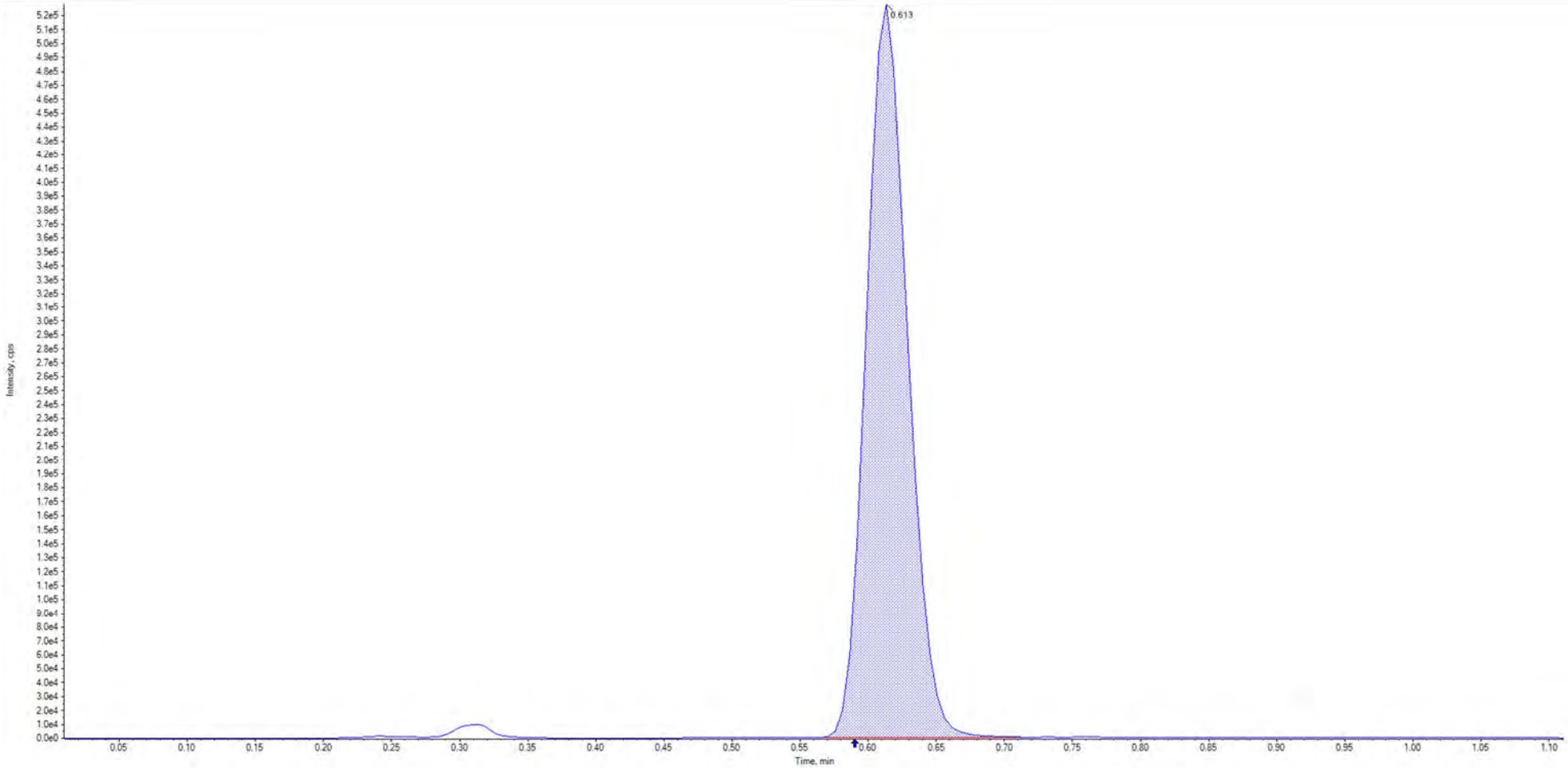

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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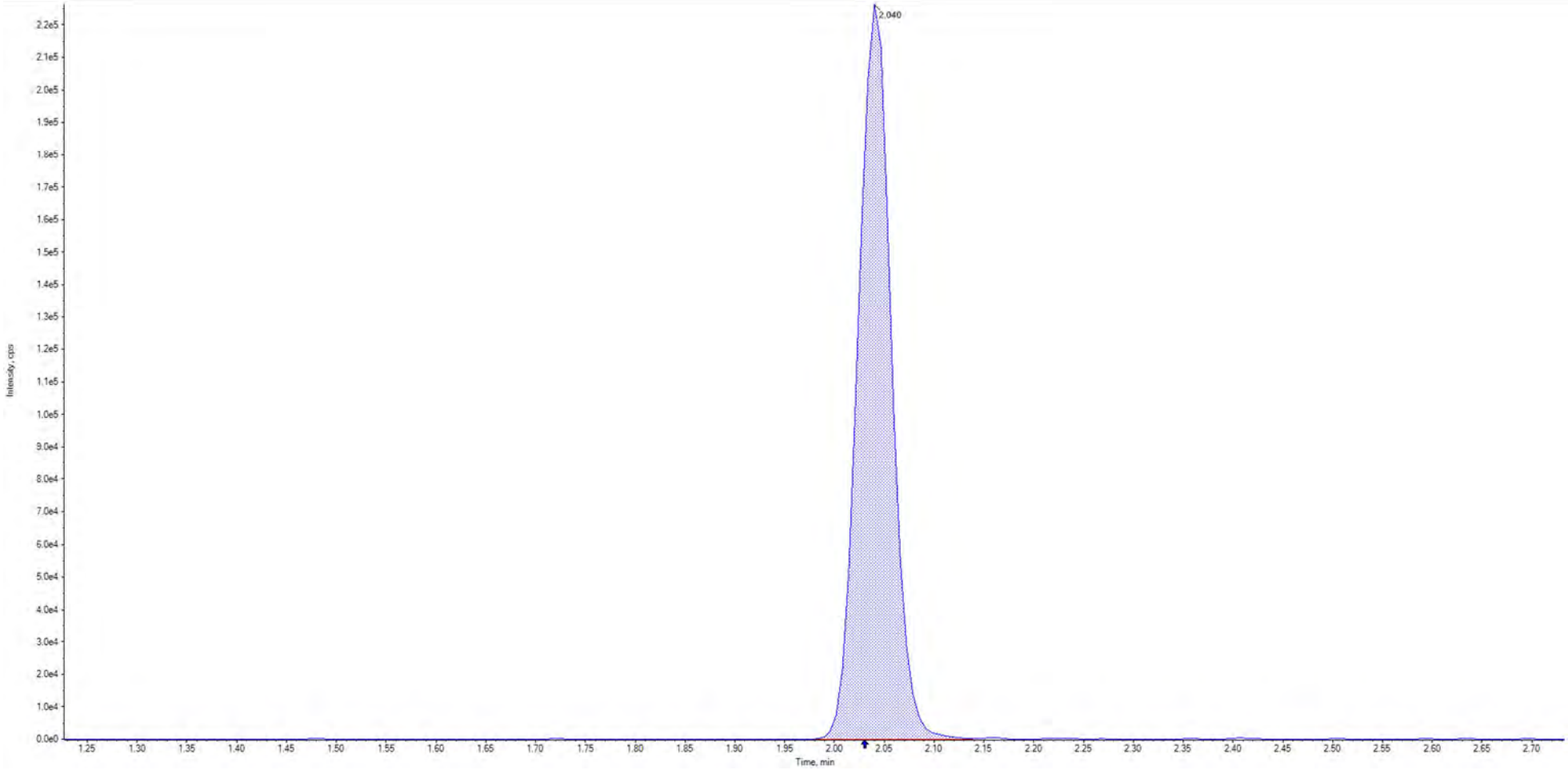
13C2-PFHxA
Sample: IA1633STD-.5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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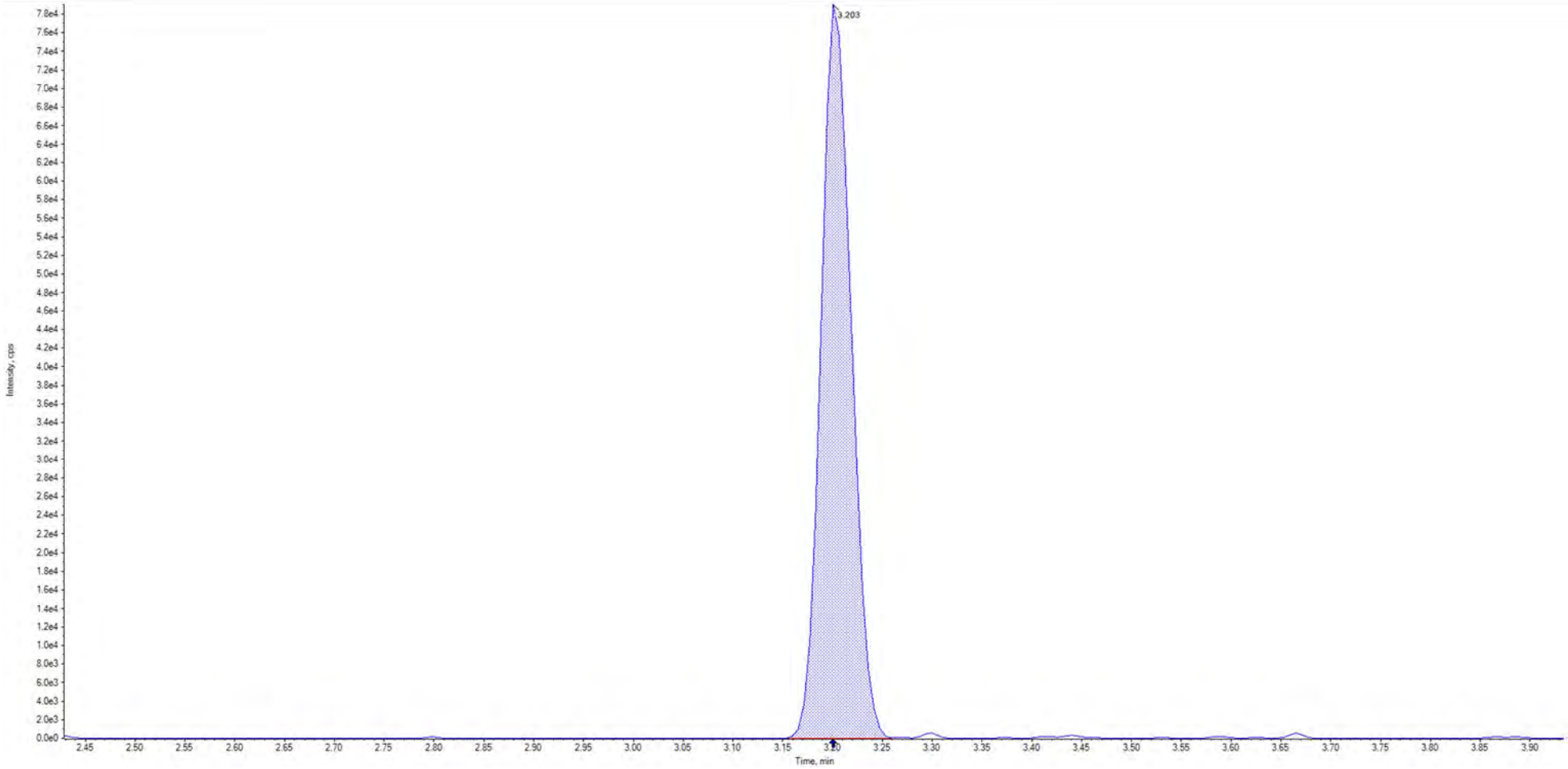
13C4-PFOA
Sample: IA1633STD-.5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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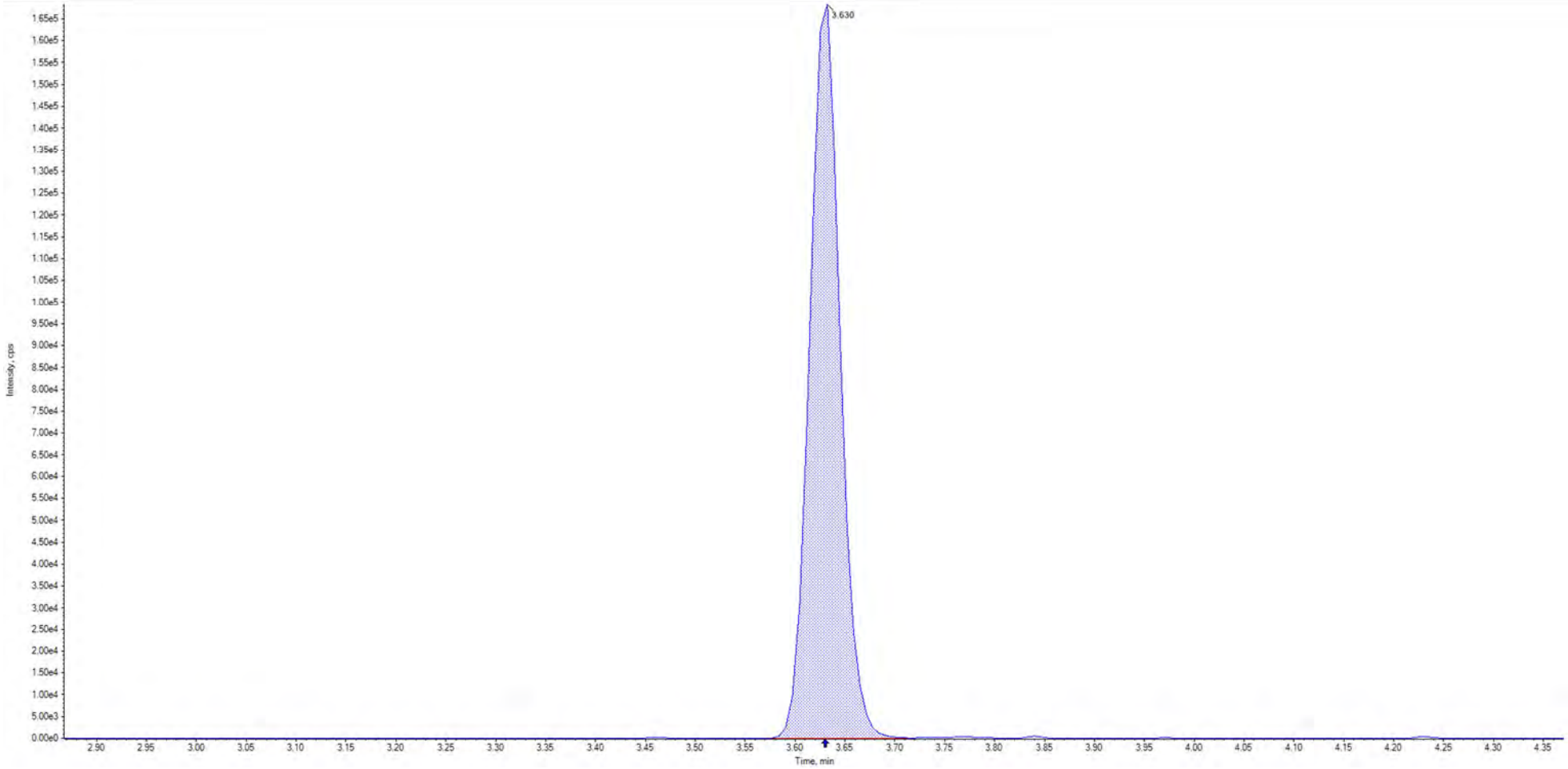
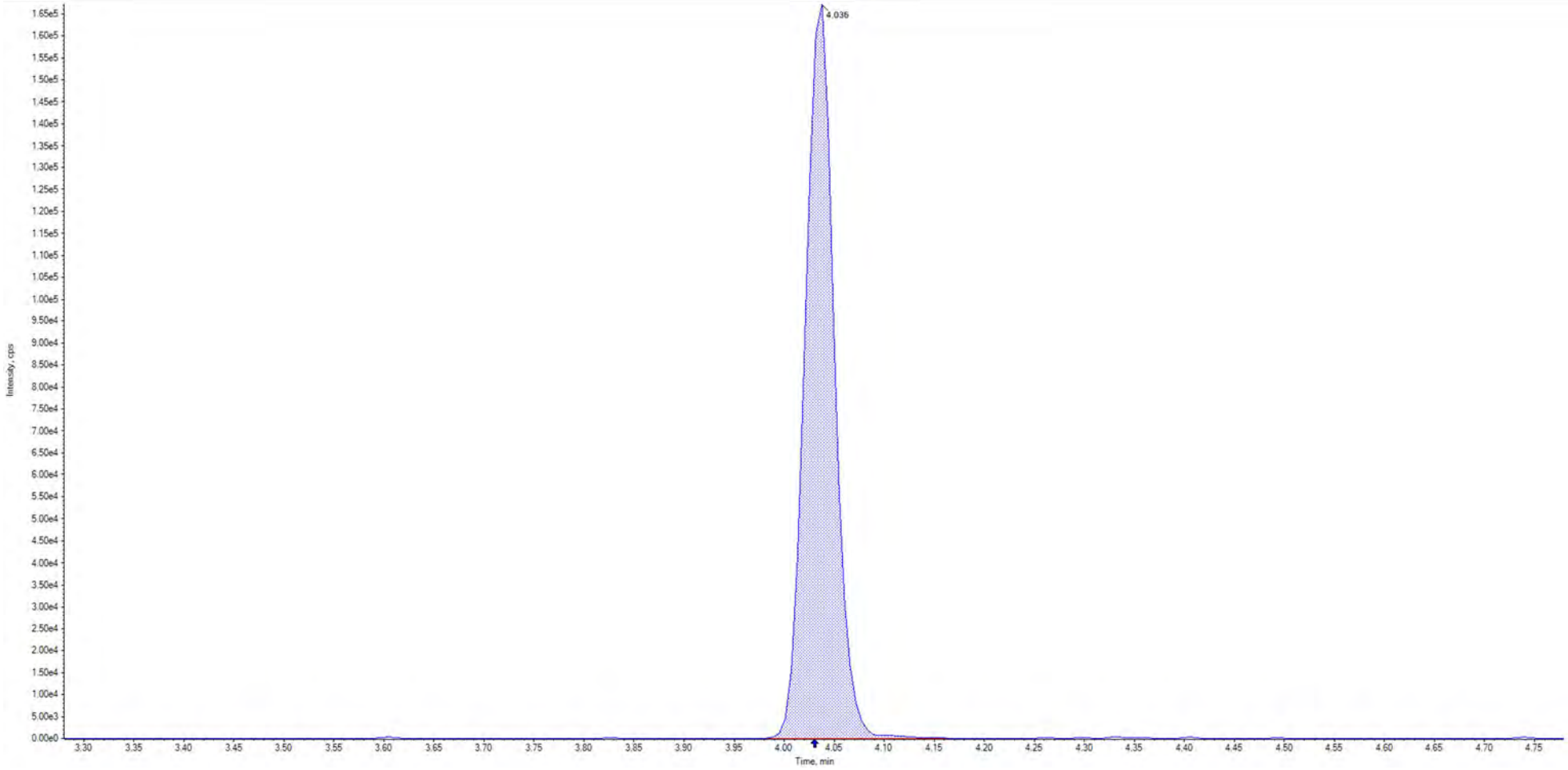
Last Altered: 3/1/2025 8:34:22 AM
Generated: 2/28/2025 12:43:00 PM

13C5-PFNA
Sample: IA1633STD-.5



13C2-PFDA
Sample: IA1633STD-.5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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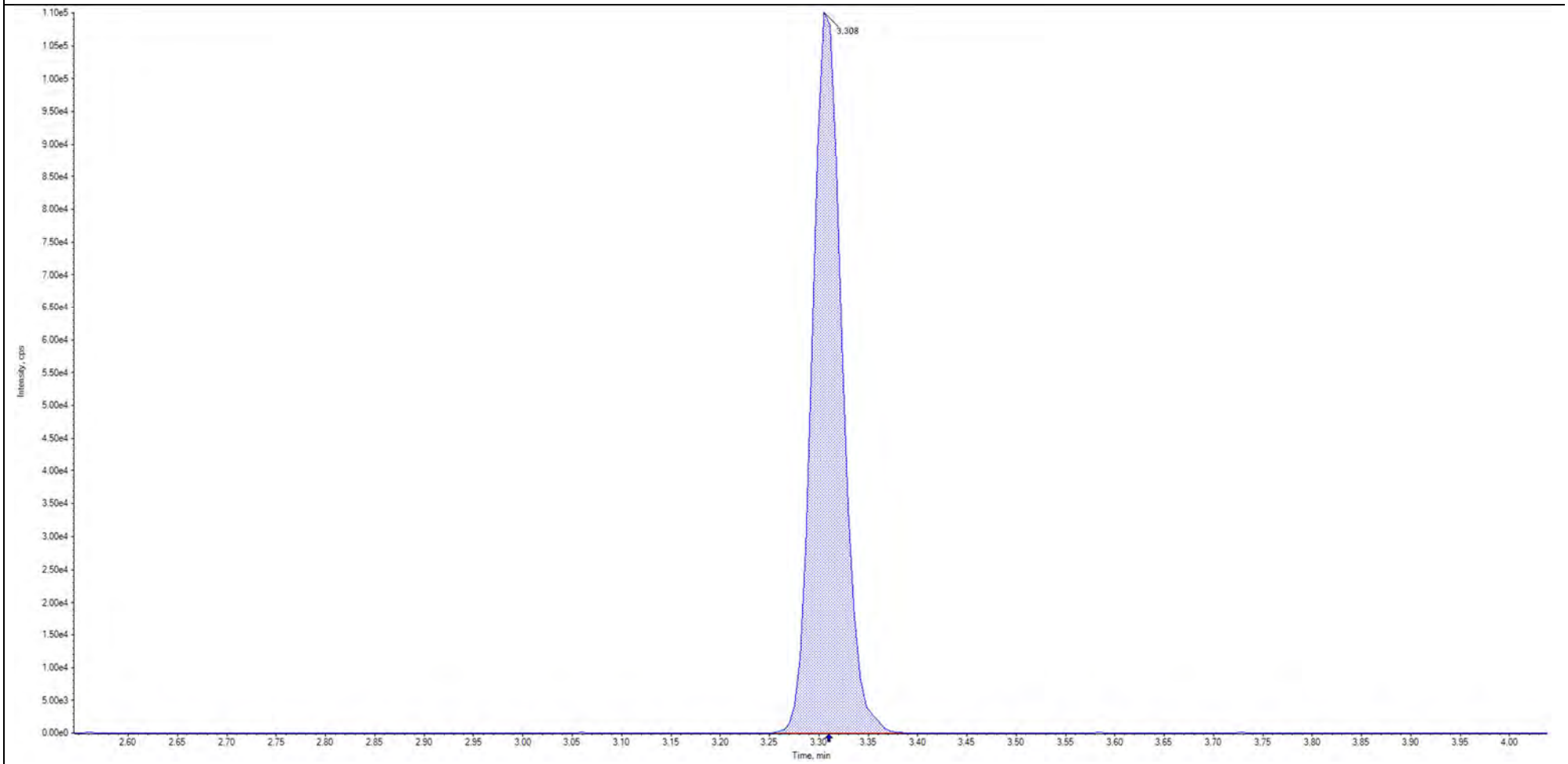
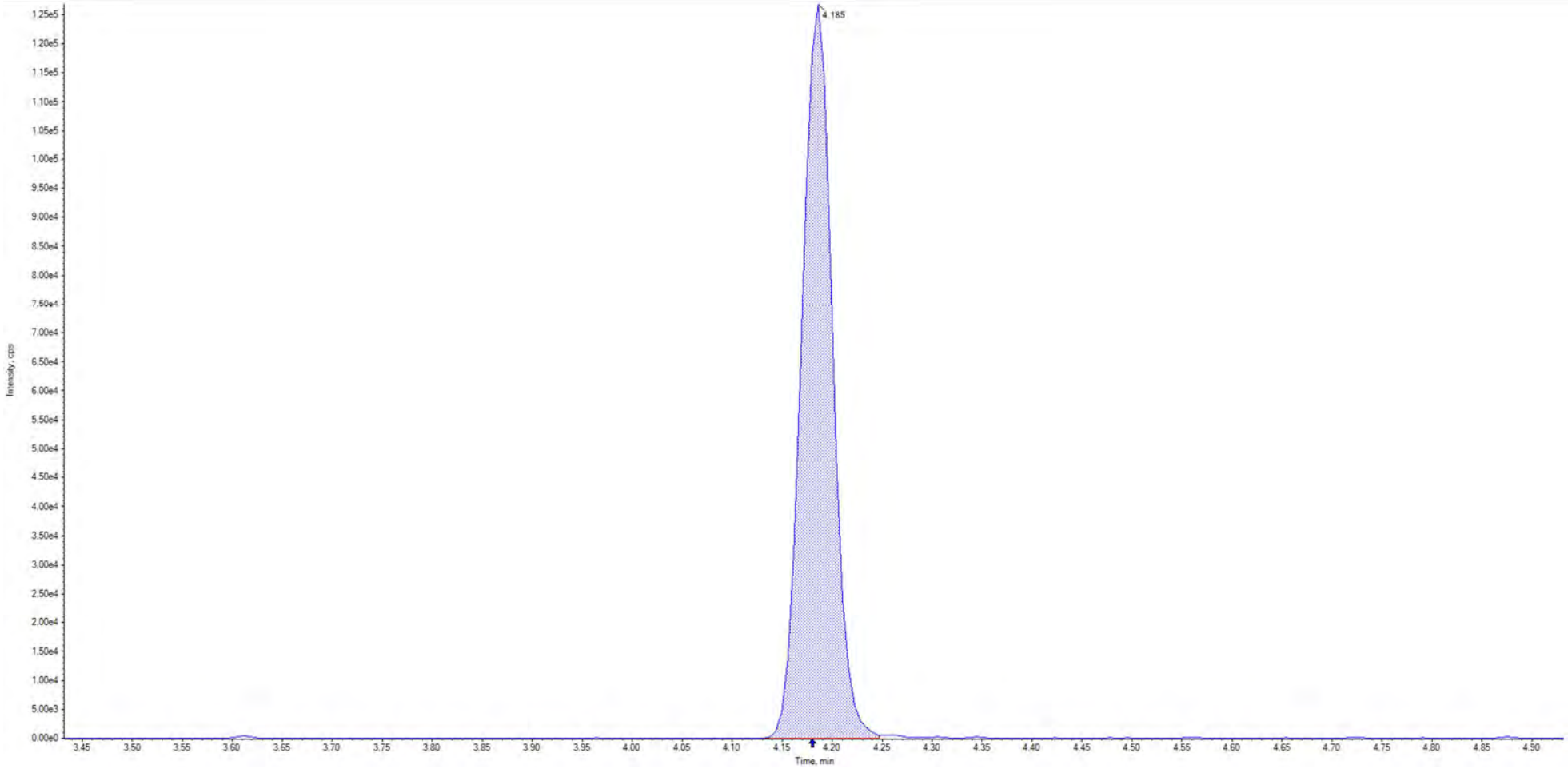
18O2-PFHxS
Sample: IA1633STD-.5



13C4-PFOS
Sample: IA1633STD-.5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Method: EPA1633F_250227.qmethod
Calibration: 250228_EPA1633_ICAL

ID: IA1633STD-2.5
Name: SCI07_250228_27.wiff2
Date & Time: 2025-02-28T12:29:08
Description: WG2035470,,EPA1633F_250228_CAL_L4
Instrument: SCIEX Triple Quad 5500+
User: LCMS07: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	0.61	213.0 / 169.0	2284426		10.800	N/A	N/A	N/A	108.0
2	PFPeA	2706-90-3	1.20	263.0 / 219.0	715893		4.967	0.008	N/A	N/A	99.3
3	PFPeA_2	2706-90-3	1.20	263.0 / 68.9	5941		5.554	0.008	N/A	N/A	111.1
4	PFHxA	307-24-4	2.04	313.0 / 269.0	596209		2.778	0.066	0.067	Pass	111.1
5	PFHxA_2	307-24-4	2.04	313.0 / 119.0	39453		2.751	0.066	0.067	Pass	110.0
6	PFHpA	375-85-9	2.71	363.1 / 319.0	608753		2.524	0.359	0.345	Pass	101.0
7	PFHpA_2	375-85-9	2.71	363.1 / 169.0	218498		2.634	0.359	0.345	Pass	105.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	3.20	413.1 / 369.1	608839	M5	2.541	0.373	0.365	Pass	101.6
9	PFOA_2	335-67-1	3.20	413.1 / 169.0	227382	M5	2.532	0.373	0.365	Pass	101.3
10	PFNA	375-95-1	3.63	462.8 / 418.9	579334	M5	2.841	0.335	0.352	Pass	113.7
11	PFNA_2	375-95-1	3.63	462.8 / 219.0	193983	M5	2.867	0.335	0.352	Pass	114.7
12	PFDA	335-76-2	4.03	513.1 / 469.1	628872		2.564	0.195	0.185	Pass	102.6
13	PFDA_2	335-76-2	4.03	513.1 / 219.0	122923		2.864	0.195	0.185	Pass	114.6
14	PFUnA	2058-94-8	4.43	563.1 / 519.1	586535		2.612	0.164	0.166	Pass	104.5
15	PFUnA_2	2058-94-8	4.43	563.1 / 269.0	96007		2.568	0.164	0.166	Pass	102.7
16	PFDoA	307-55-1	4.81	613.1 / 569.1	610933		2.564	0.152	0.150	Pass	102.6
17	PFDoA_2	307-55-1	4.81	613.1 / 319.0	92733		2.444	0.152	0.150	Pass	97.8
18	PFTrDA	72629-94-8	5.18	663.1 / 619.1	578808		2.602	0.140	0.134	Pass	104.1
19	PFTrDA_2	72629-94-8	5.18	663.1 / 169.0	81128		2.451	0.140	0.134	Pass	98.1
20	PFTeDA	376-06-7	5.55	713.1 / 669.1	527220		2.713	0.145	0.150	Pass	108.5
21	PFTeDA_2	376-06-7	5.55	713.1 / 169.0	76621		2.496	0.145	0.150	Pass	99.8
22	PFBS	375-73-5	2.03	299.1 / 80.1	352512		2.326	0.380	0.341	Pass	104.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	2.03	299.1 / 99.1	133845		2.488	0.380	0.341	Pass	112.1
24	PFPeS	2706-91-4	2.77	349.1 / 80.1	343377		2.610	0.298	0.296	Pass	111.1
25	PFPeS_2	2706-91-4	2.78	349.1 / 99.1	102311		2.649	0.298	0.296	Pass	112.7
26	PFHxS	355-46-4	3.31	399.1 / 80.1	294664	M5	2.542	0.267	0.298	Pass	111.5
27	PFHxS_2	355-46-4	3.31	399.1 / 99.1	78559	M5	2.328	0.267	0.298	Pass	102.1
28	PFHpS	375-92-8	3.76	449.1 / 80.1	325317		2.545	0.281	0.277	Pass	106.9
29	PFHpS_2	375-92-8	3.76	449.1 / 99.1	91545		2.457	0.281	0.277	Pass	103.2
30	PFOS	1763-23-1	4.18	499.1 / 80.1	367511	M5	2.370	0.235	0.236	Pass	102.1
31	PFOS_2	1763-23-1	4.18	499.1 / 99.1	86196		2.371	0.235	0.236	Pass	102.2
32	PFNS	68259-12-1	4.59	549.1 / 80.1	279362		2.582	0.262	0.265	Pass	107.6
33	PFNS_2	68259-12-1	4.59	549.1 / 99.1	73144		2.427	0.262	0.265	Pass	101.1
34	PFDS	335-77-3	4.97	599.1 / 80.1	265803		2.567	0.272	0.275	Pass	106.5
35	PFDS_2	335-77-3	4.97	599.1 / 99.1	72430		2.488	0.272	0.275	Pass	103.3
36	PFDoS	79780-39-5	5.70	699.2 / 80.1	288298		2.556	0.252	0.245	Pass	105.6
37	PFDoS_2	79780-39-5	5.70	699.2 / 99.1	72608		2.513	0.252	0.245	Pass	103.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	1.79	327.1 / 307.1	315900		10.432	0.489	0.542	Pass	111.3
39	4:2FTS_2	757124-72-4	1.79	327.1 / 81.1	154515		9.506	0.489	0.542	Pass	101.5
40	6:2FTS	27619-97-2	3.02	427.2 / 407.2	250992		9.718	0.555	0.555	Pass	102.2
41	6:2FTS_2	27619-97-2	3.02	427.2 / 81.1	139262		9.921	0.555	0.555	Pass	104.3
42	8:2FTS	39108-34-4	3.85	527.2 / 507.2	206504		11.093	0.717	0.824	Pass	115.6
43	8:2FTS_2	39108-34-4	3.85	527.2 / 81.1	148124		10.391	0.717	0.824	Pass	108.2
44	PFOSA	754-91-6	5.32	498.1 / 78.1	426472	M5	2.579	0.028	0.029	Pass	103.2
45	PFOSA_2	754-91-6	5.32	498.1 / 478.0	11842	M5	2.448	0.028	0.029	Pass	97.9
46	NMeFOSA	31506-32-8	6.04	512.2 / 219.0	111176	M5	2.705	1.432	1.426	Pass	108.2
47	NMeFOSA_2	31506-32-8	5.99	512.2 / 169.0	159203		2.697	1.432	1.426	Pass	107.9
48	NEtFOSA	4151-50-2	6.33	526.2 / 219.0	114818		2.583	1.137	1.166	Pass	103.3
49	NEtFOSA_2	4151-50-2	6.29	526.2 / 169.0	130596		2.478	1.137	1.166	Pass	99.1
50	NMeFOSAA	2355-31-9	4.14	570.2 / 419.1	108901		2.609	0.654	0.729	Pass	104.4
51	NMeFOSAA_2	2355-31-9	4.14	570.2 / 483.0	71256	M5	2.461	0.654	0.729	Pass	98.4
52	NEtFOSAA	2991-50-6	4.34	584.2 / 419.1	64535		2.364	0.513	0.453	Pass	94.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.35	584.2 / 526.2	33089	M5	2.542	0.513	0.453	Pass	101.7
54	NMeFOSE	24448-09-7	5.91	616.1 / 58.9	946995	M5	25.794	N/A	N/A	N/A	103.2
55	NEtFOSE	1691-99-2	6.20	630.0 / 58.9	2401652		27.099	N/A	N/A	N/A	108.4
56	HFPO-DA	13252-13-6	2.31	285.0 / 169.0	1005916		10.721	0.870	0.892	Pass	107.2
57	HFPO-DA_2	13252-13-6	2.31	285.0 / 184.9	875154		10.705	0.870	0.892	Pass	107.1
58	ADONA	919005-14-4	2.90	376.9 / 251.0	4213139		9.337	0.429	0.444	Pass	98.8
59	ADONA_2	919005-14-4	2.90	376.9 / 84.8	1806955		9.455	0.429	0.444	Pass	100.1
60	9Cl-PF3ONS	756426-58-1	4.46	530.8 / 351.1	3865241		10.390	0.330	0.359	Pass	111.4
61	9Cl-PF3ONS_2	756426-58-1	4.46	532.8 / 353.0	1277341		9.860	0.330	0.359	Pass	105.7
62	11Cl-PF3OUdS	763051-92-9	5.23	630.9 / 451.0	3024762		10.454	0.330	0.348	Pass	110.9
63	11Cl-PF3OUdS_2	763051-92-9	5.23	632.9 / 452.9	998337		10.129	0.330	0.348	Pass	107.4
64	3:3FTCA	356-02-5	1.59	241.1 / 177.1	216632		13.022	0.701	0.698	Pass	104.2
65	3:3FTCA_2	356-02-5	1.59	241.1 / 117.0	151884		12.515	0.701	0.698	Pass	100.1
66	5:3FTCA	914637-49-3	3.21	341.1 / 237.1	3407866		72.009	0.990	0.979	Pass	115.2
67	5:3FTCA_2	914637-49-3	3.21	341.1 / 217.0	3375214		72.339	0.990	0.979	Pass	115.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	4.19	441.1 / 316.9	1427419		65.681	2.104	2.144	Pass	105.1
69	7:3FTCA_2	812-70-4	4.19	441.1 / 337.1	3002615		67.866	2.104	2.144	Pass	108.6
70	PFEESA	113507-82-7	2.41	315.1 / 135.0	2123264		5.132	0.072	0.077	Pass	115.1
71	PFEESA_2	113507-82-7	2.41	315.1 / 82.9	152122		4.603	0.072	0.077	Pass	103.2
72	PFMPA	377-73-1	0.77	229.0 / 85.0	868612		4.926	N/A	N/A	N/A	98.5
73	PFMBA	863090-89-5	1.49	279.0 / 85.0	940226		5.307	N/A	N/A	N/A	106.1
74	NFDHA	151772-58-6	1.94	295.0 / 201.0	600972		5.555	0.651	0.632	Pass	111.1
75	NFDHA_2	151772-58-6	1.94	295.0 / 84.9	391486		5.624	0.651	0.632	Pass	112.5
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	4.812	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	4.812	N/A	N/A
78	13C2D4-4:2FTS	Surr	1.77	333.2 / 312.1	123983		4.429	N/A	N/A	N/A	88.6
79	13C2-PFOA	Surr	3.20	415.0 / 370.0	190306		2.158	N/A	N/A	N/A	86.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.61	217.0 / 172.0	2319531		9.541	NA	NA	NA	95.4

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C5-PFPeA	EIS	1.20	268.0 / 223.0	693374		4.844	NA	NA	NA	96.9
13C5-PFHxA	EIS	2.03	318.0 / 273.0	297886		2.248	NA	NA	NA	89.9
13C4-PFHpA	EIS	2.71	367.0 / 322.0	603391		2.511	NA	NA	NA	100.4
13C8-PFOA	EIS	3.20	420.8 / 376.0	697942		2.615	NA	NA	NA	104.6
13C9-PFNA	EIS	3.63	472.0 / 427.0	321261		1.101	NA	NA	NA	88.1
13C6-PFDA	EIS	4.03	519.0 / 474.0	361103		1.236	NA	NA	NA	98.9
13C7-PFUnA	EIS	4.42	570.0 / 525.0	359460		1.195	NA	NA	NA	95.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.81	615.1 / 570.0	341225		1.225	NA	NA	NA	98.0
	13C2-PFTeDA	EIS	5.54	715.1 / 670.1	216665		1.174	NA	NA	NA	93.9
	13C3-PFBS	EIS	2.03	302.1 / 80.1	329099		2.207	NA	NA	NA	94.7
	13C3-PFHxS	EIS	3.30	402.1 / 80.1	275115		2.161	NA	NA	NA	91.2
	13C8-PFOS	EIS	4.18	507.1 / 80.1	349488		2.369	NA	NA	NA	98.7
	13C2-4:2FTS	EIS	1.78	329.1 / 81.1	76845		4.046	NA	NA	NA	86.3
	13C2-6:2FTS	EIS	3.02	429.2 / 81.1	66029		4.262	NA	NA	NA	89.5
	13C2-8:2FTS	EIS	3.85	529.2 / 81.1	77830		4.264	NA	NA	NA	88.8

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C8-PFOSA	EIS	5.32	506.1 / 78.1	585489		2.415	NA	NA	NA	96.6
d3-NMeFOSA	EIS	6.03	515.2 / 219.0	98194		2.253	NA	NA	NA	90.1
d5-NEtFOSA	EIS	6.32	531.2 / 219.0	89755		2.401	NA	NA	NA	96.0
d3-NMeFOSAA	EIS	4.14	573.2 / 419.1	300467		4.914	NA	NA	NA	98.3
d5-NEtFOSAA	EIS	4.34	589.3 / 419.1	130177		5.004	NA	NA	NA	100.1
d7-NMeFOSE	EIS	5.89	623.2 / 58.9	327777		24.256	NA	NA	NA	97.0
d9-NEtFOSE	EIS	6.18	639.2 / 58.9	711898		22.905	NA	NA	NA	91.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.30	287.0 / 169.0	927968		9.351	NA	NA	NA	93.5
	13C3-PFBA	NIS	0.61	216.0 / 172.0	1090216		5.552	NA	NA	NA	111.0
	13C2-PFHxA	NIS	2.03	315.0 / 270.0	510485		2.624	NA	NA	NA	104.9
	13C4-PFOA	NIS	3.20	417.0 / 372.0	183521		2.175	NA	NA	NA	87.0
	13C5-PFNA	NIS	3.62	468.0 / 423.0	381071		1.358	NA	NA	NA	108.6
	13C2-PFDA	NIS	4.03	515.1 / 470.1	342238		1.327	NA	NA	NA	106.2
	18O2-PFHxS	NIS	3.30	403.1 / 84.1	251492		2.525	NA	NA	NA	106.5
	13C4-PFOS	NIS	4.18	503.1 / 80.1	270263		2.476	NA	NA	NA	103.2

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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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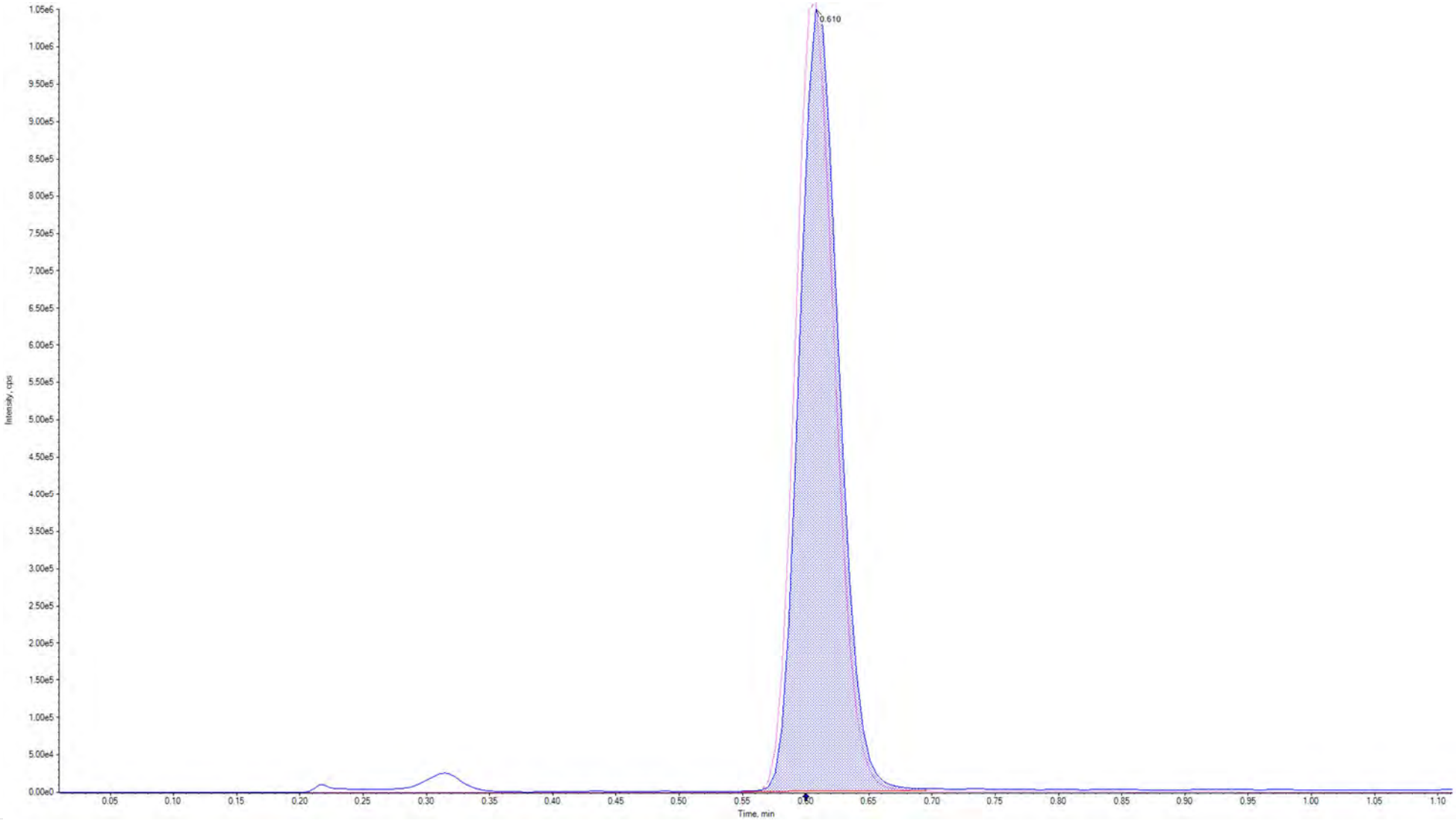

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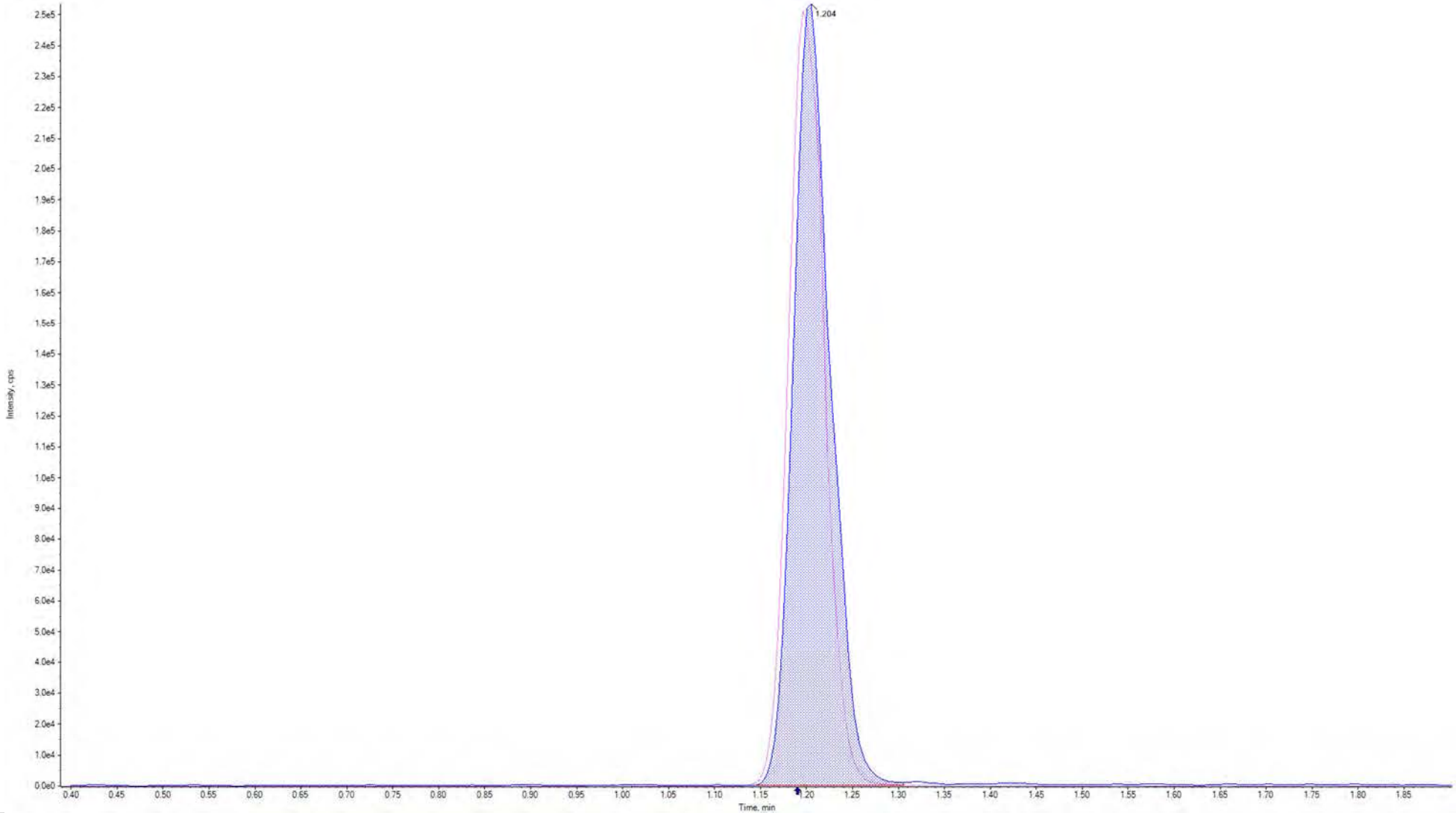

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PFPeA_2
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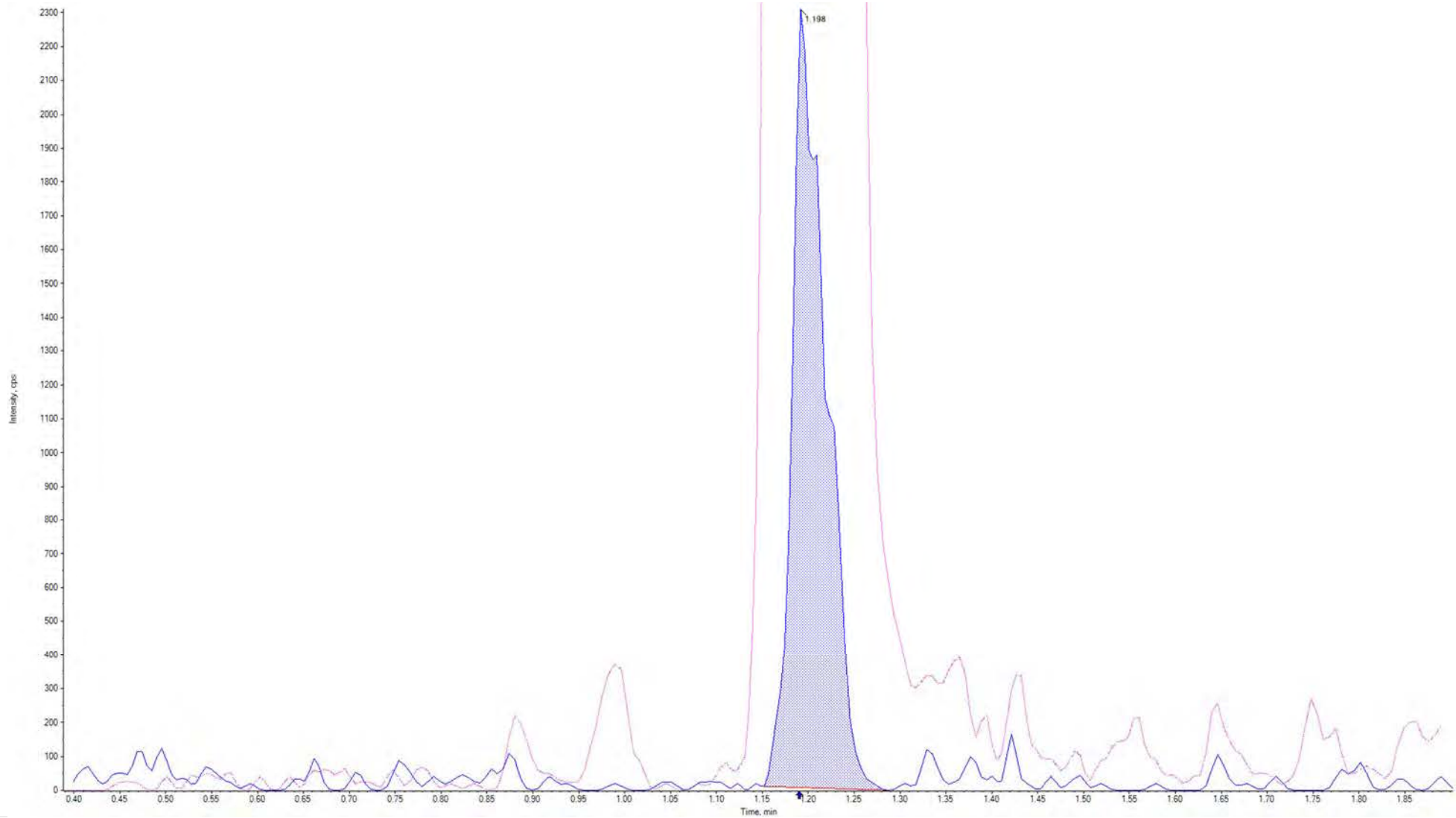

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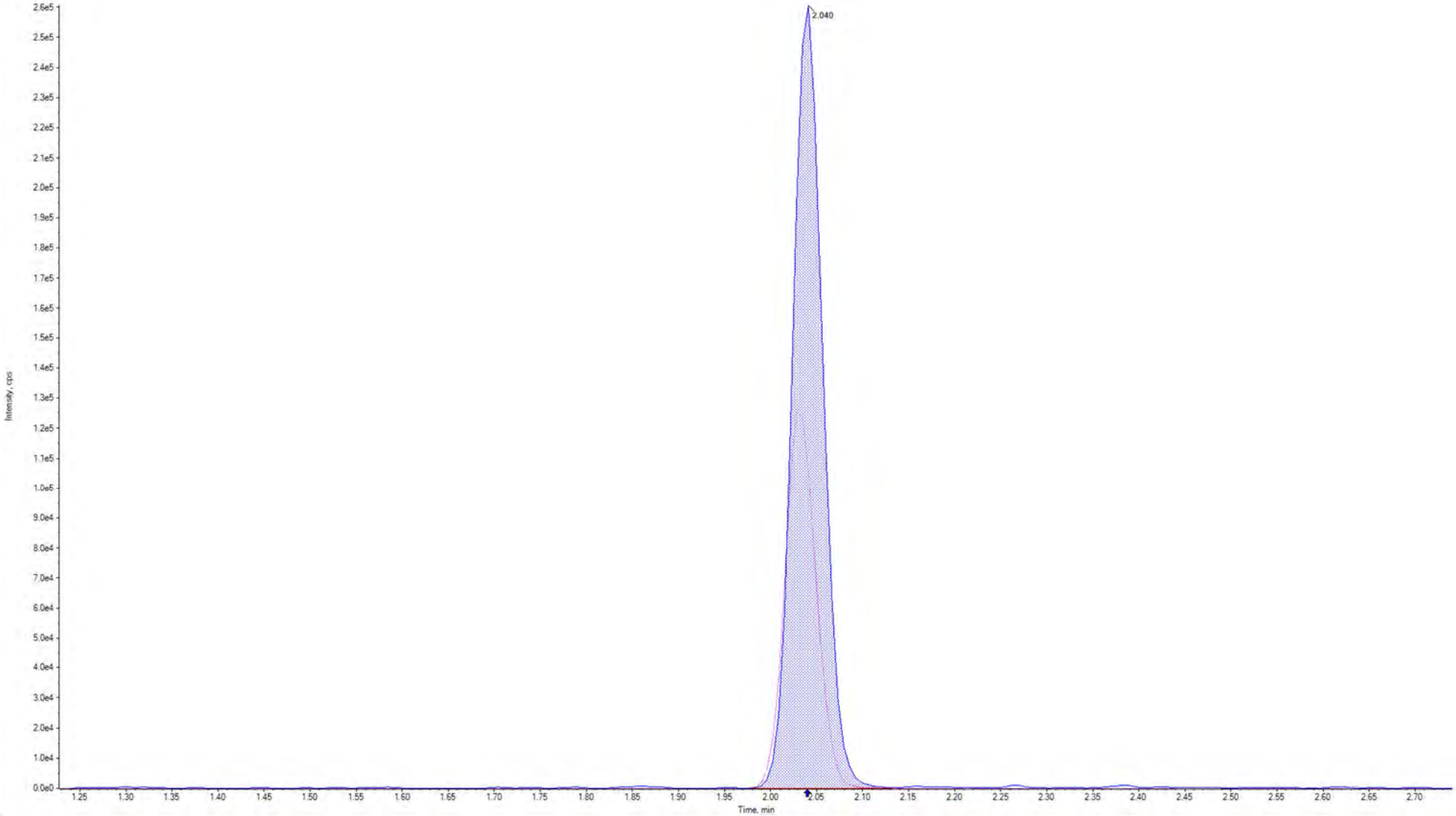
PFHxA
Sample: IA1633STD-2.5 S/N:5223.5 Points Across peak:27



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PFHxA_2
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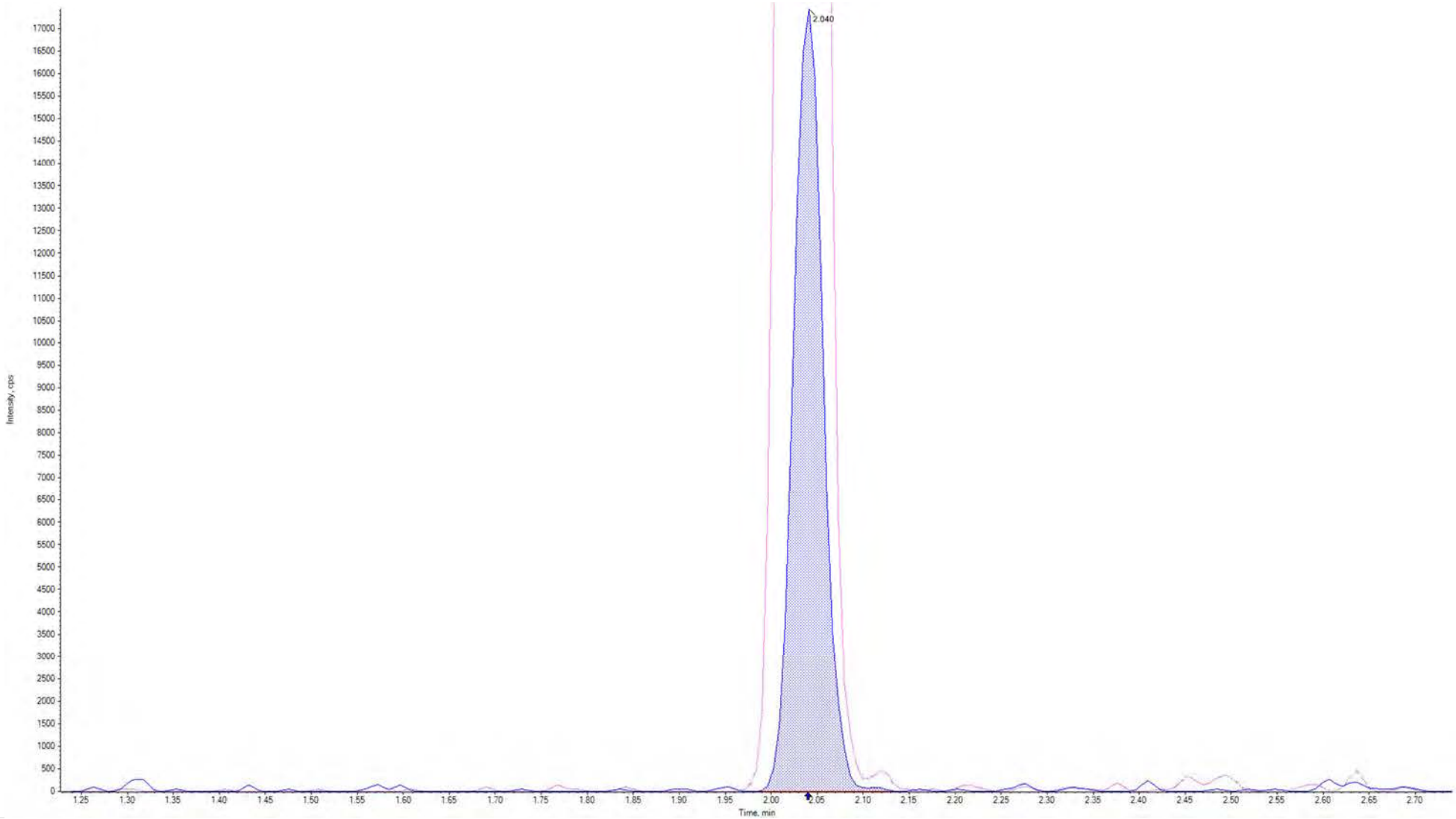

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PFHpA
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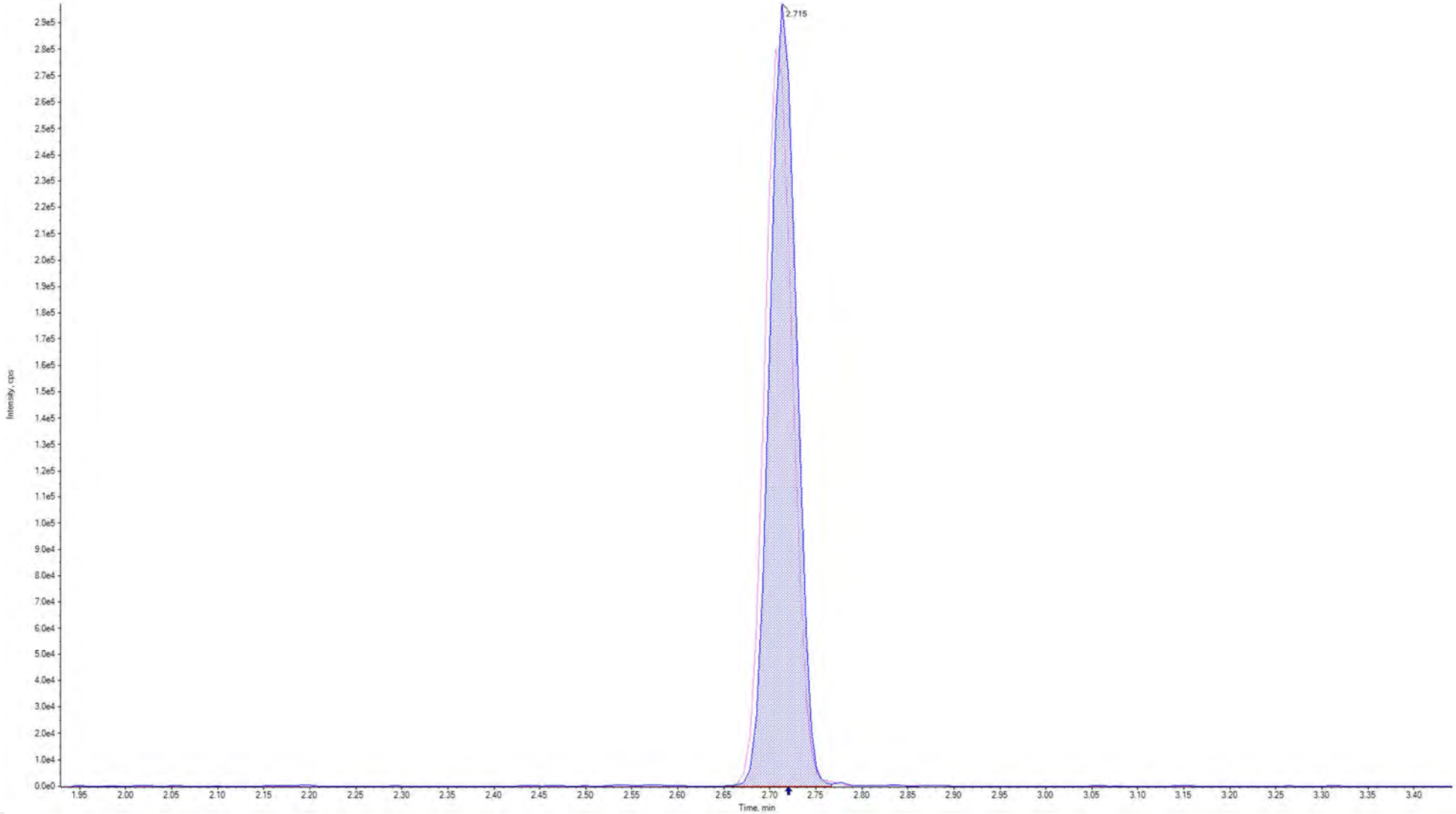

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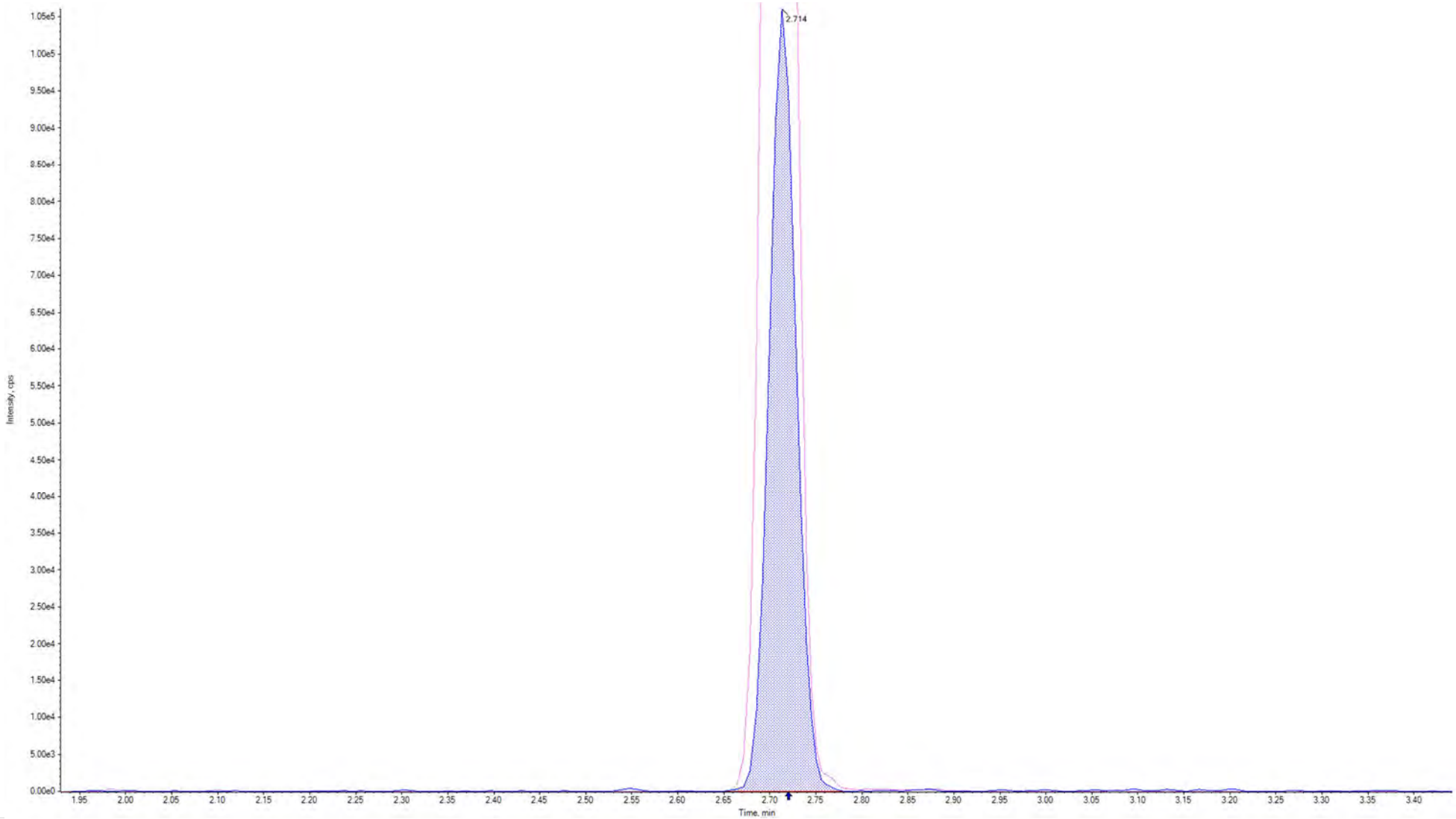
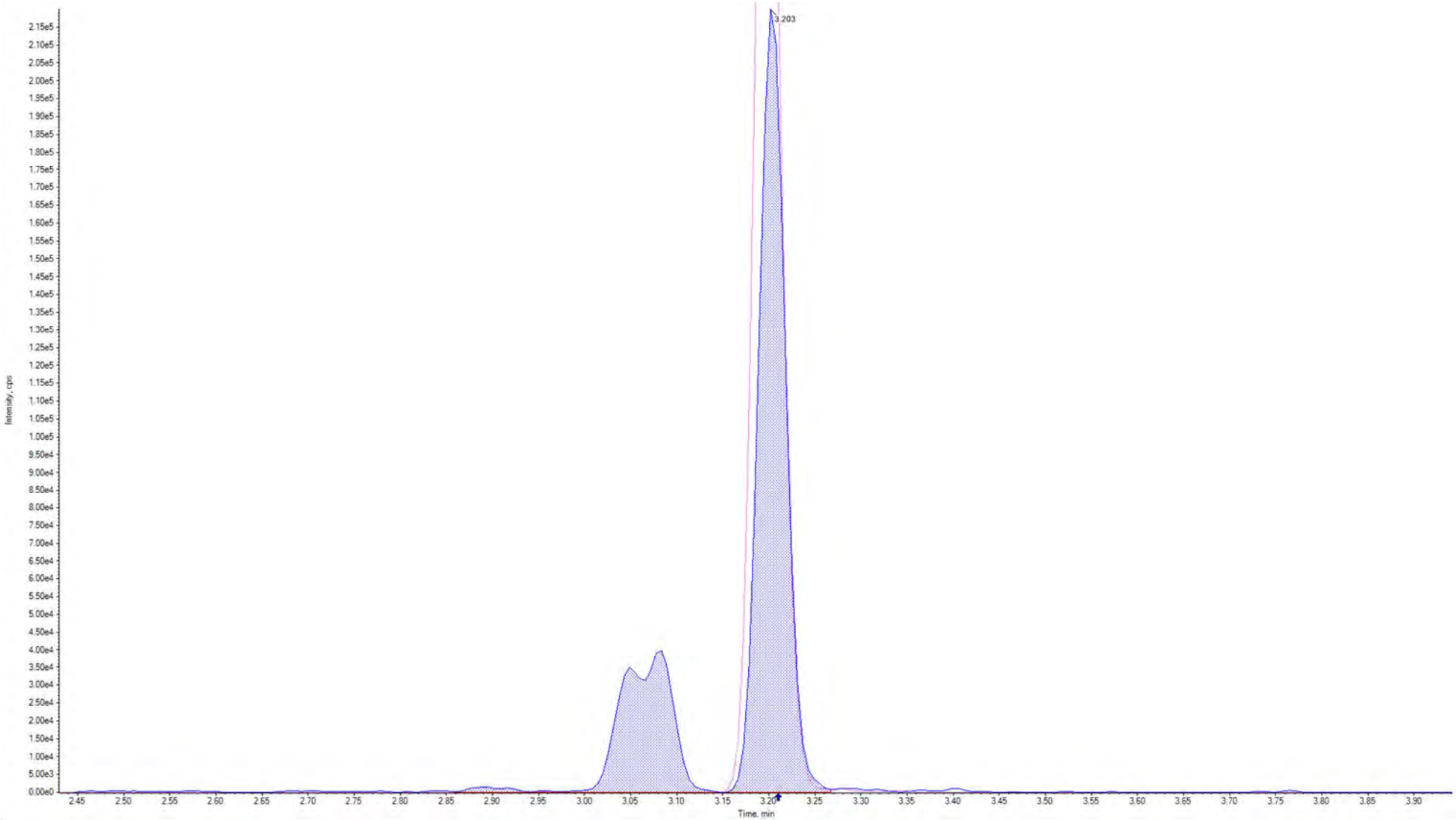
PFHpA_2
Sample: IA1633STD-2.5 S/N:1594.5 Points Across peak:25



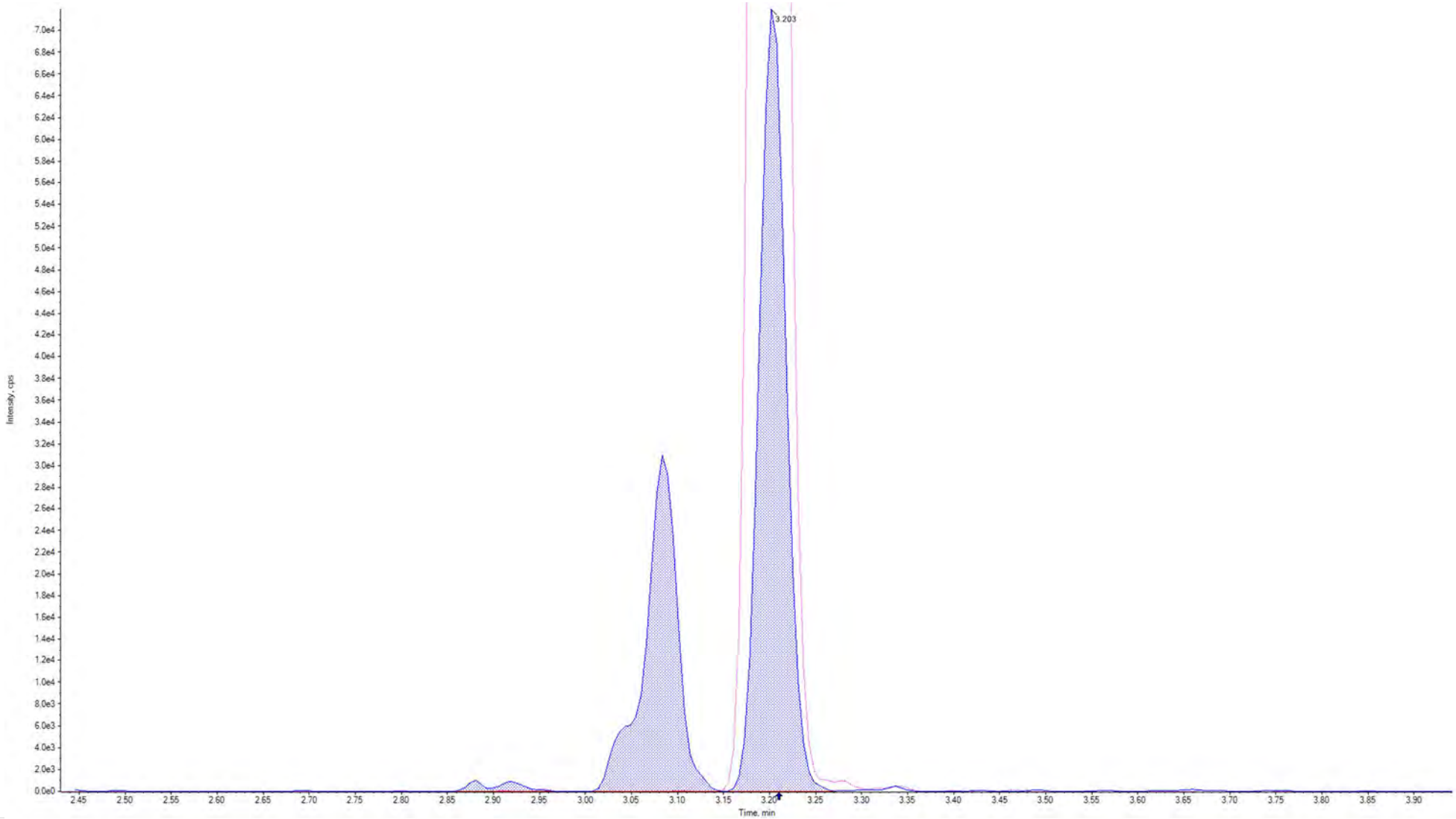
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_27.wiff2_3
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFOA
Sample: IA1633STD-2.5 S/N:815.3 Points Across peak:72



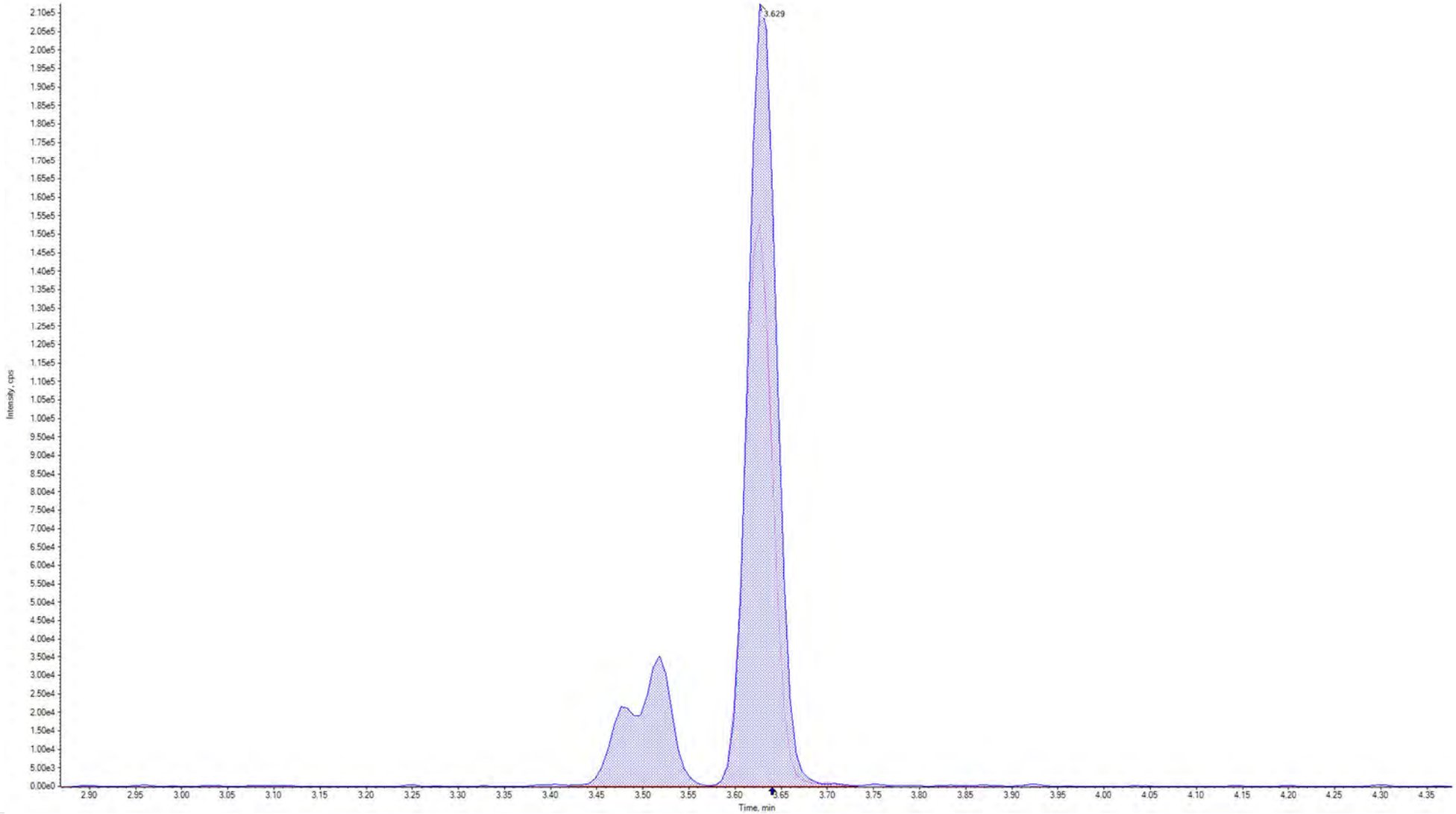
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_27.wiff2_3
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFOA_2
Sample: IA1633STD-2.5 S/N:820.0 Points Across peak:73



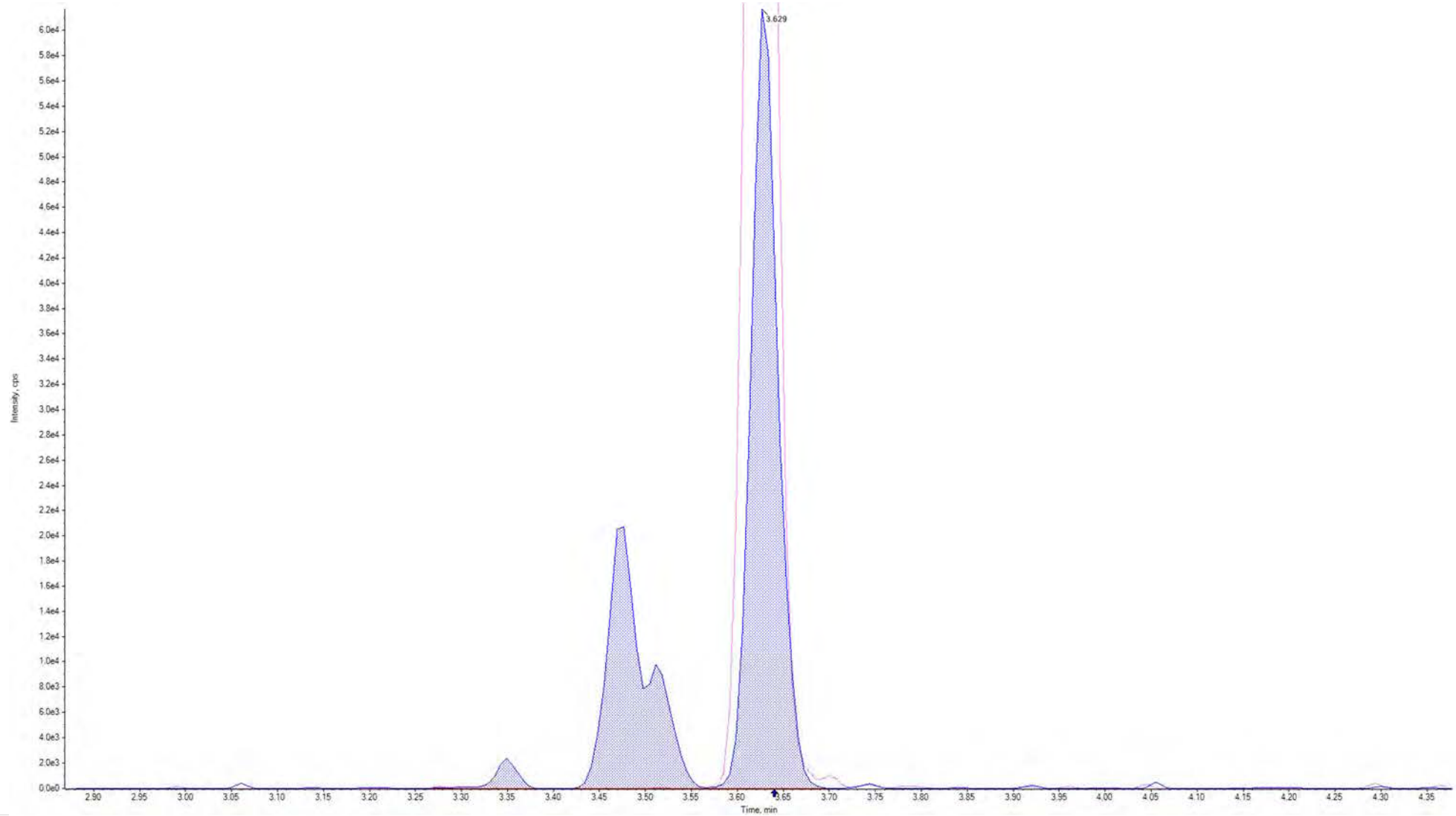
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_27.wiff2_3
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFNA
Sample: IA1633STD-2.5 S/N:1123.2 Points Across peak:47



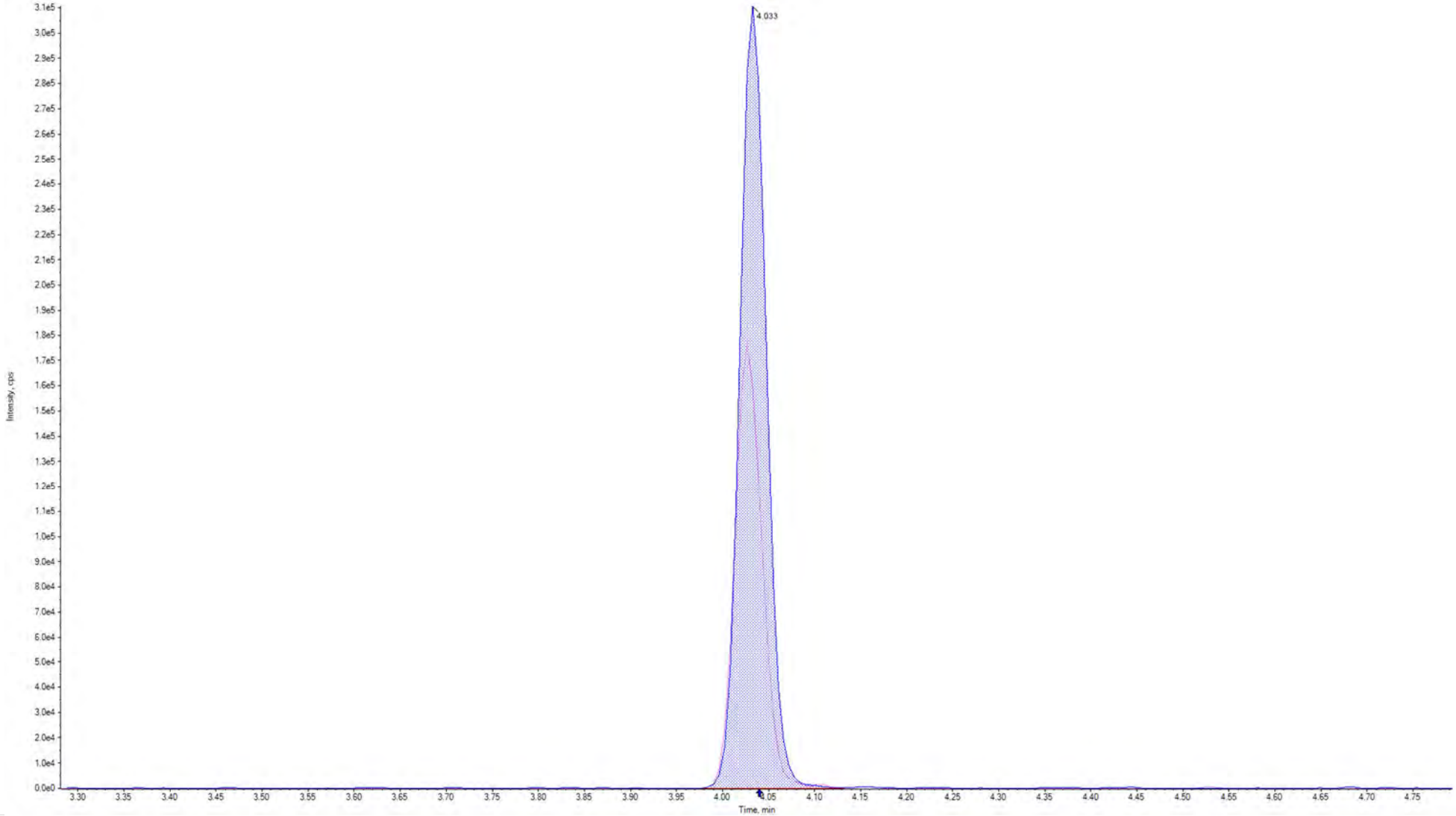
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_27.wiff2_3
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFNA_2
Sample: IA1633STD-2.5 S/N:772.5 Points Across peak:69



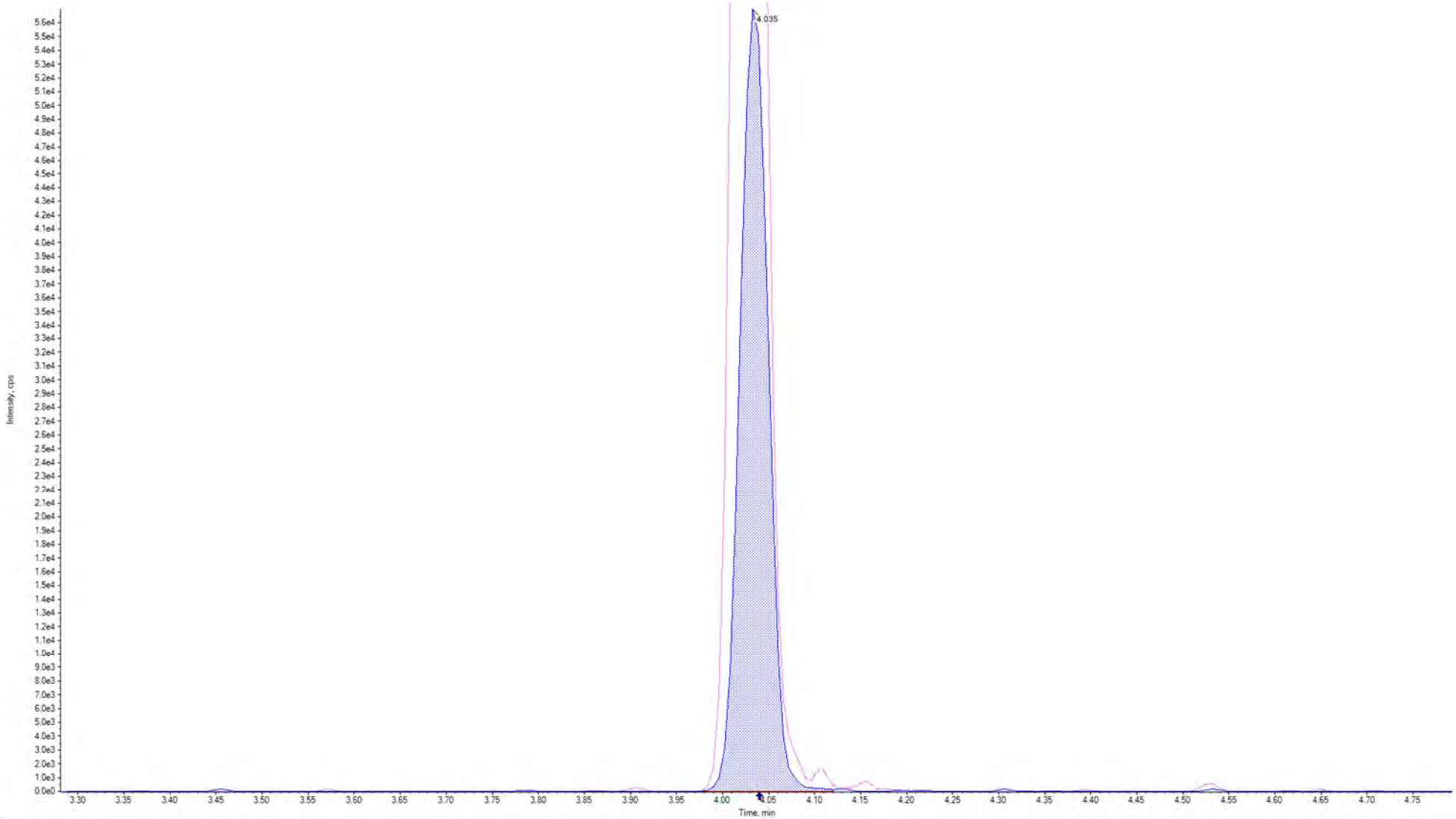
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_27.wiff2_3
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFDA
Sample: IA1633STD-2.5 S/N:3386.2 Points Across peak:31



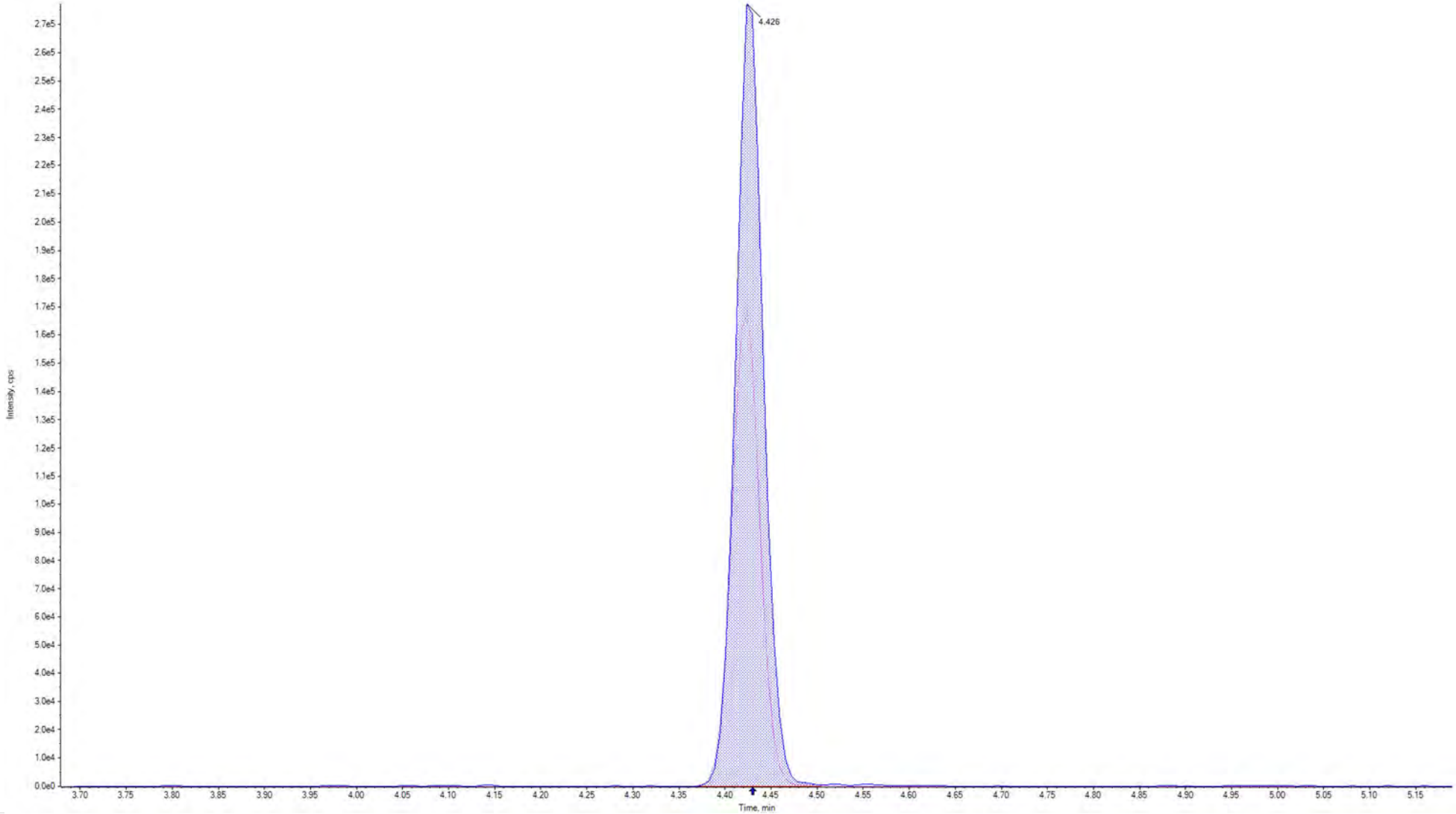
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_27.wiff2_3
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFDA_2
Sample: IA1633STD-2.5 S/N:714.2 Points Across peak:29



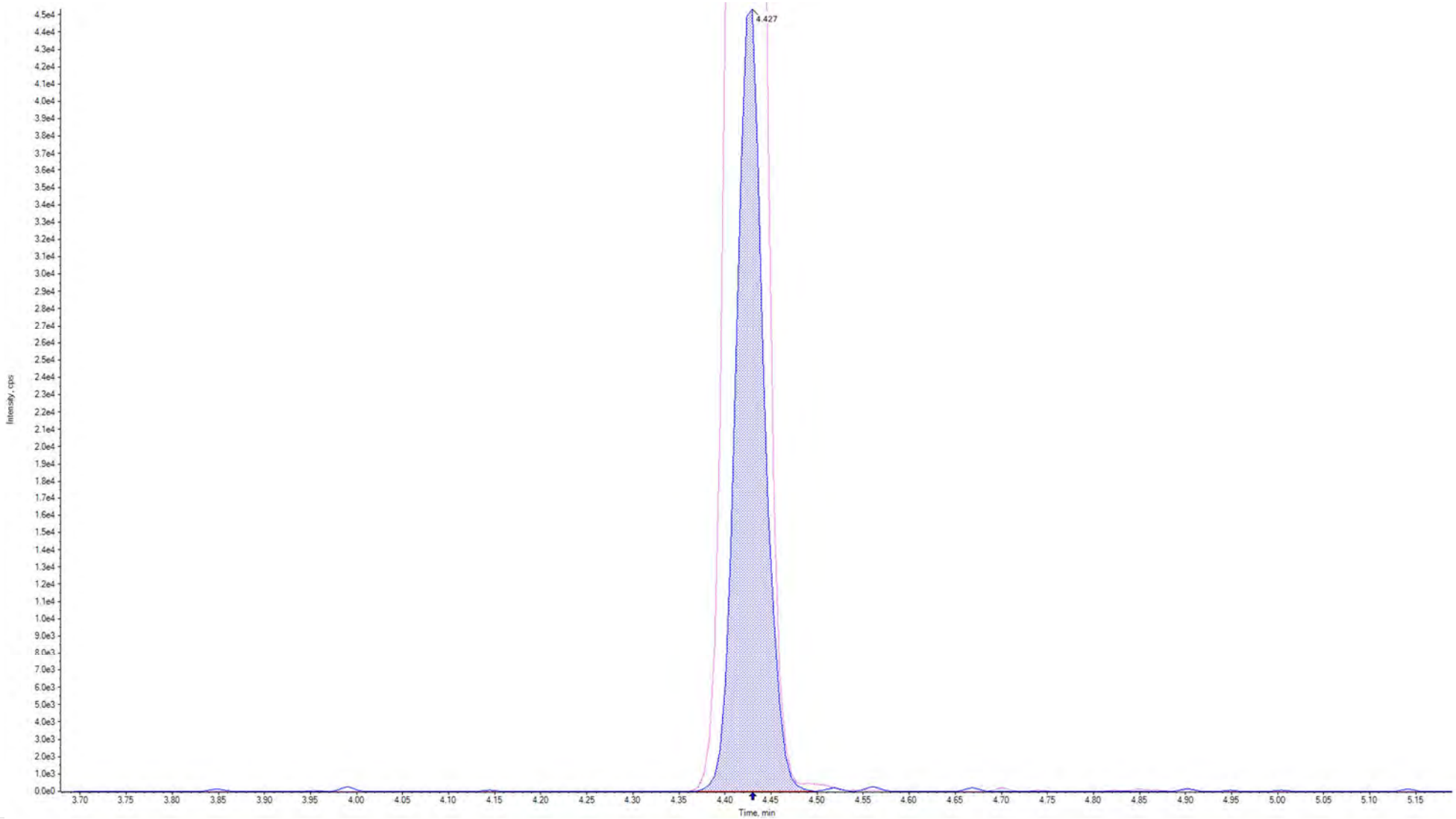
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_27.wiff2_3
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFUnA
Sample: IA1633STD-2.5 S/N:4168.0 Points Across peak:26



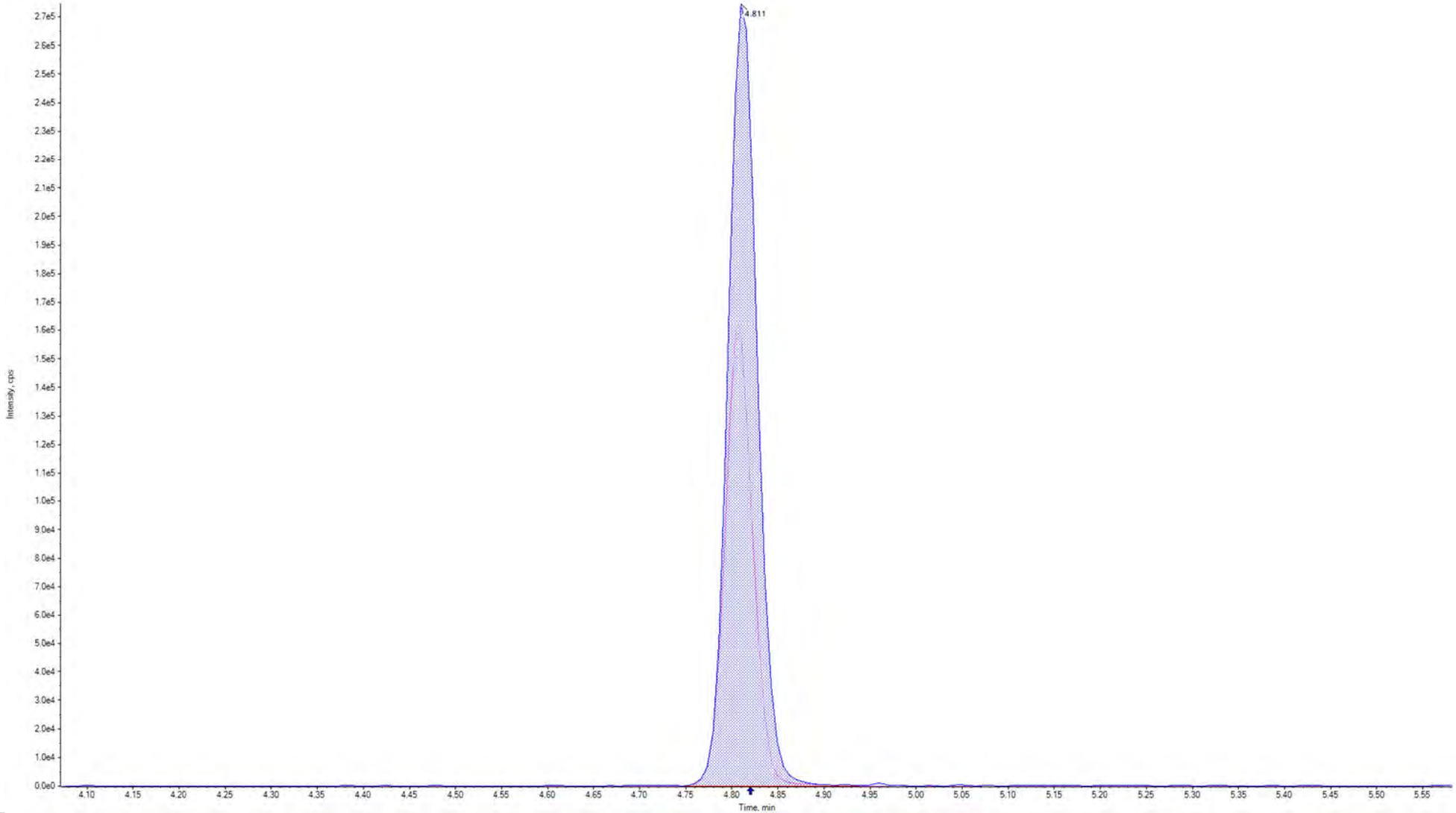
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_27.wiff2_3
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFUnA_2
Sample: IA1633STD-2.5 S/N:681.5 Points Across peak:28



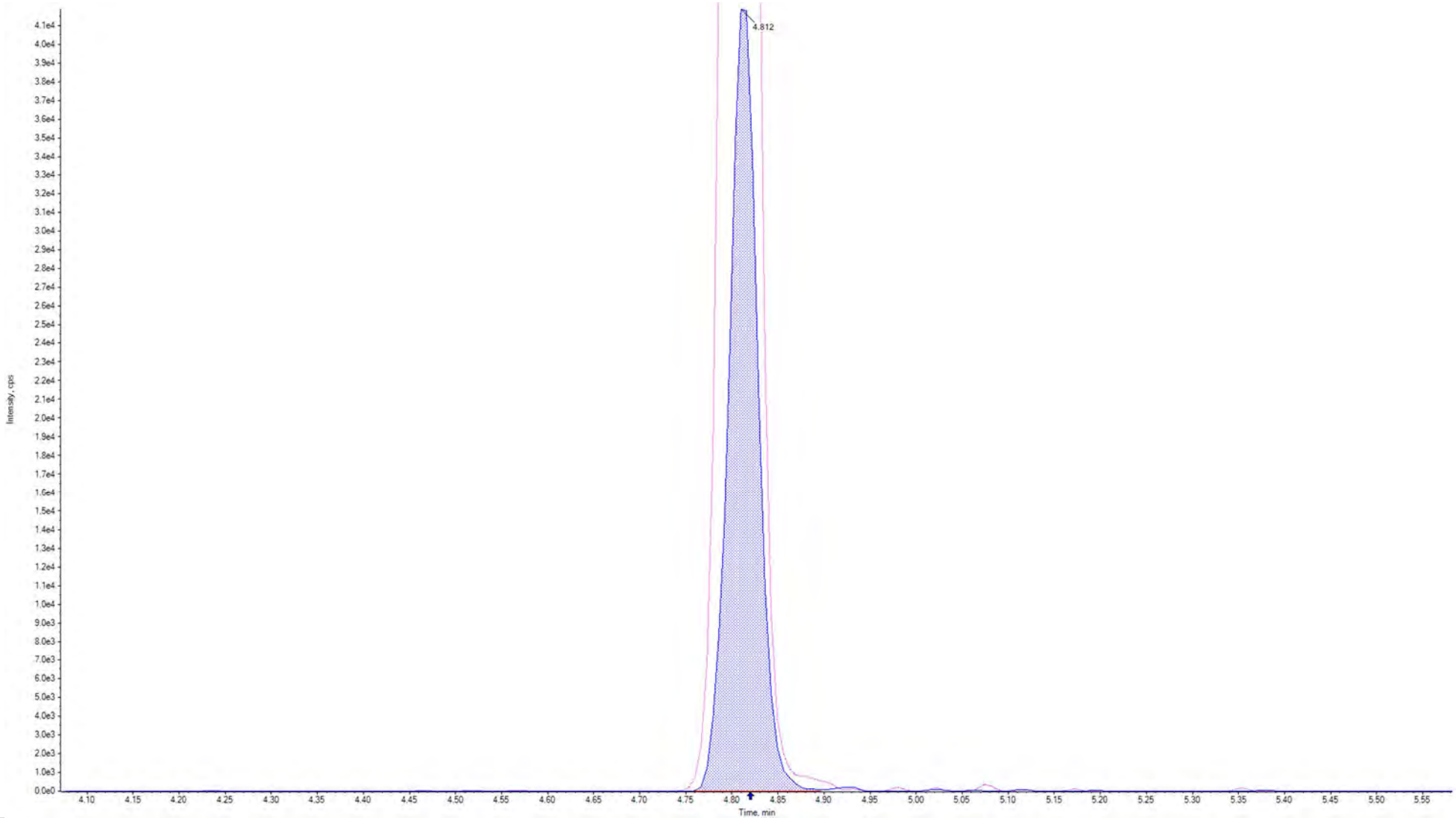
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_27.wiff2_3
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFDoA
Sample: IA1633STD-2.5 S/N:3044.1 Points Across peak:31



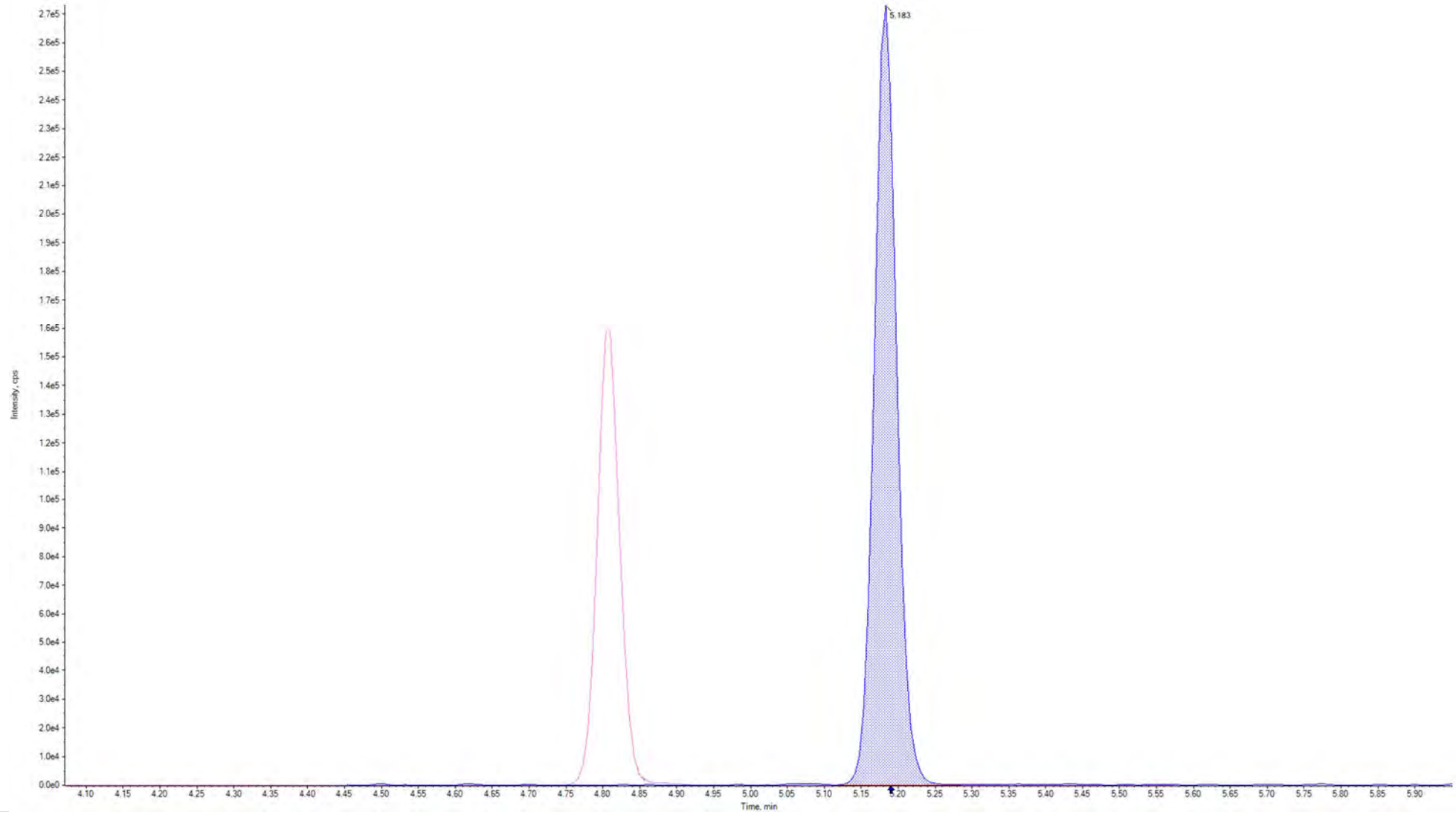
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_27.wiff2_3
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFDoA_2
Sample: IA1633STD-2.5 S/N:734.6 Points Across peak:28



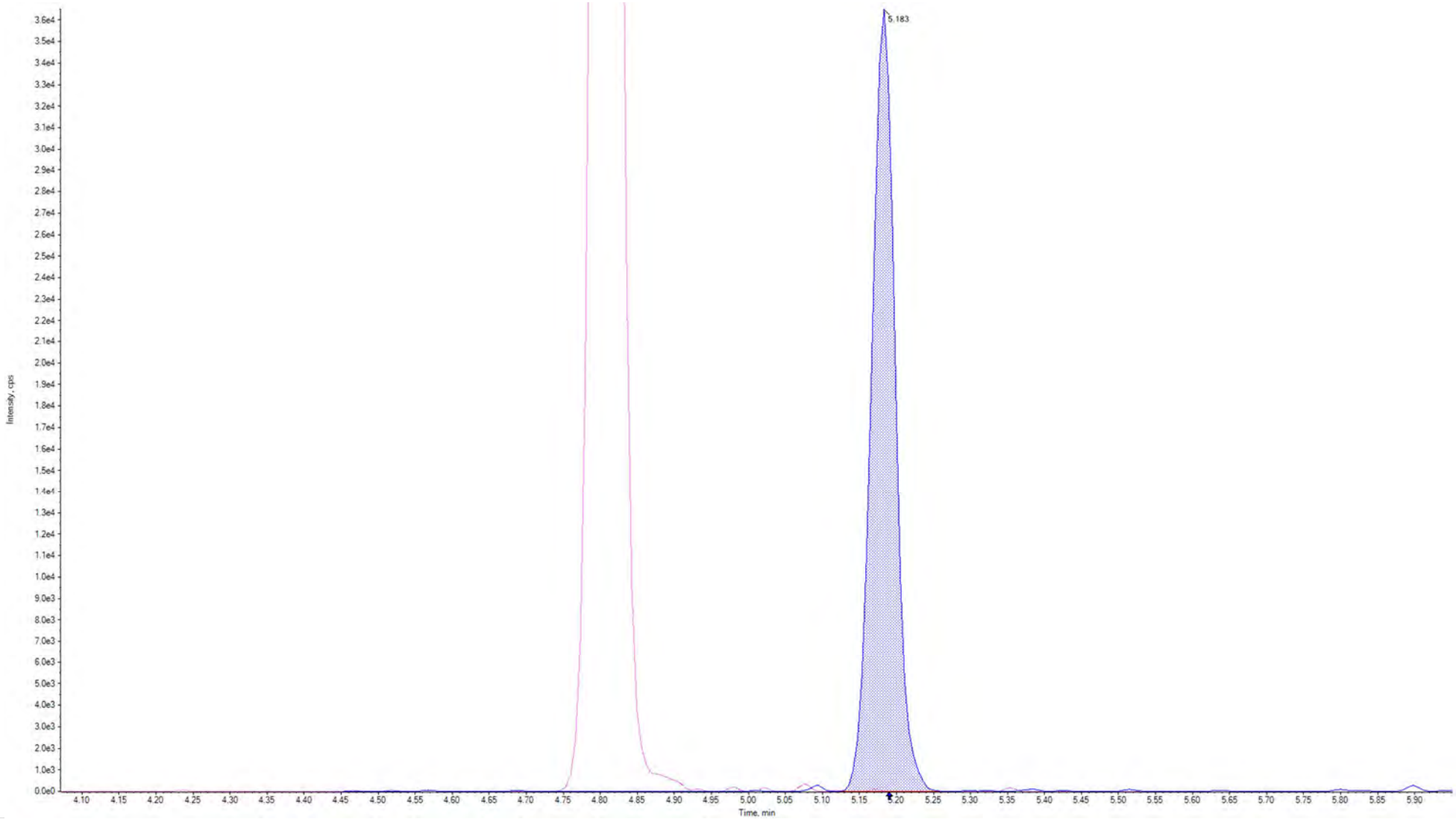
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_27.wiff2_3
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFTrDA
Sample: IA1633STD-2.5 S/N:5471.0 Points Across peak:31



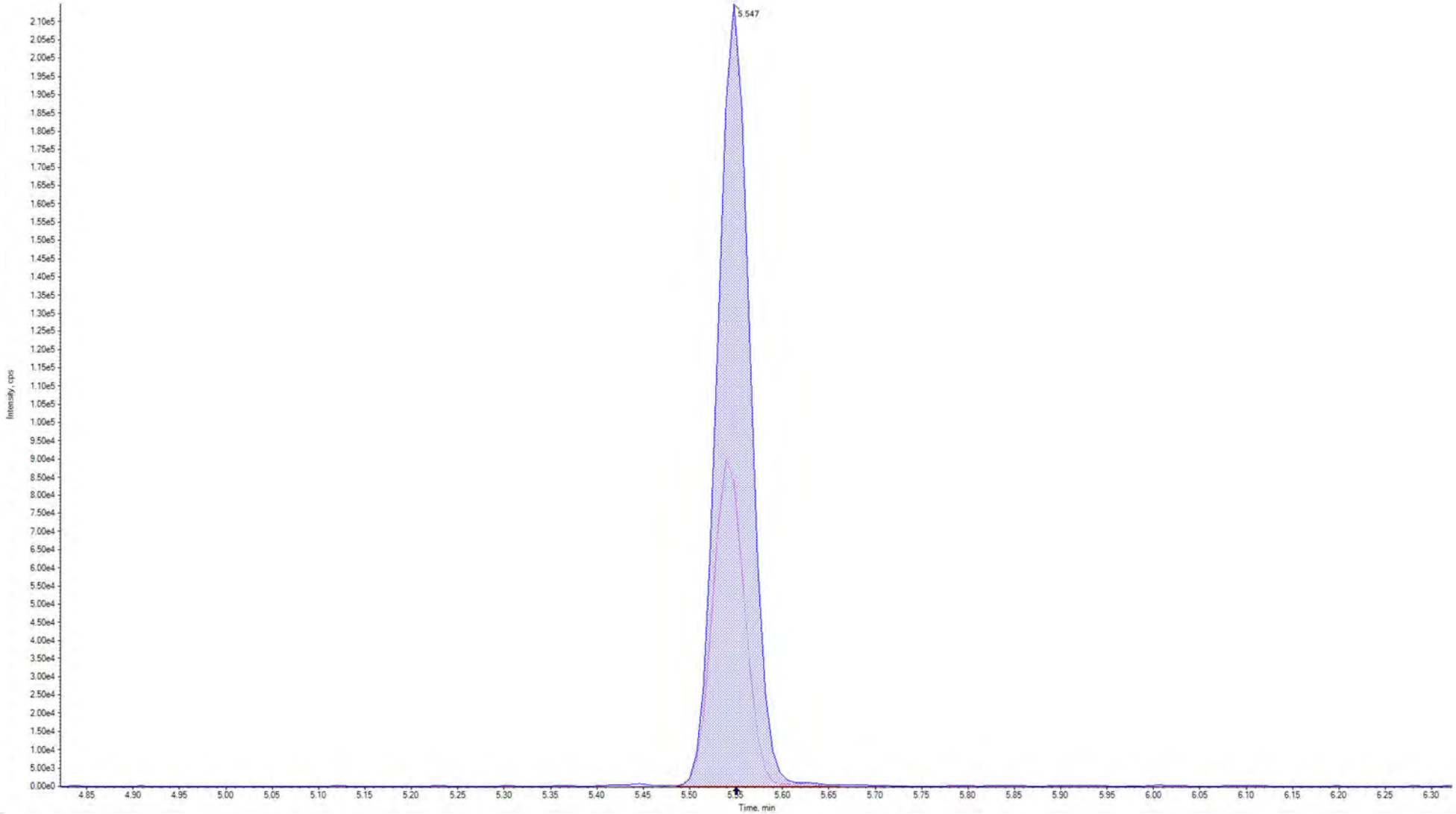
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_27.wiff2_3
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFTrDA_2
Sample: IA1633STD-2.5 S/N:732.0 Points Across peak:27



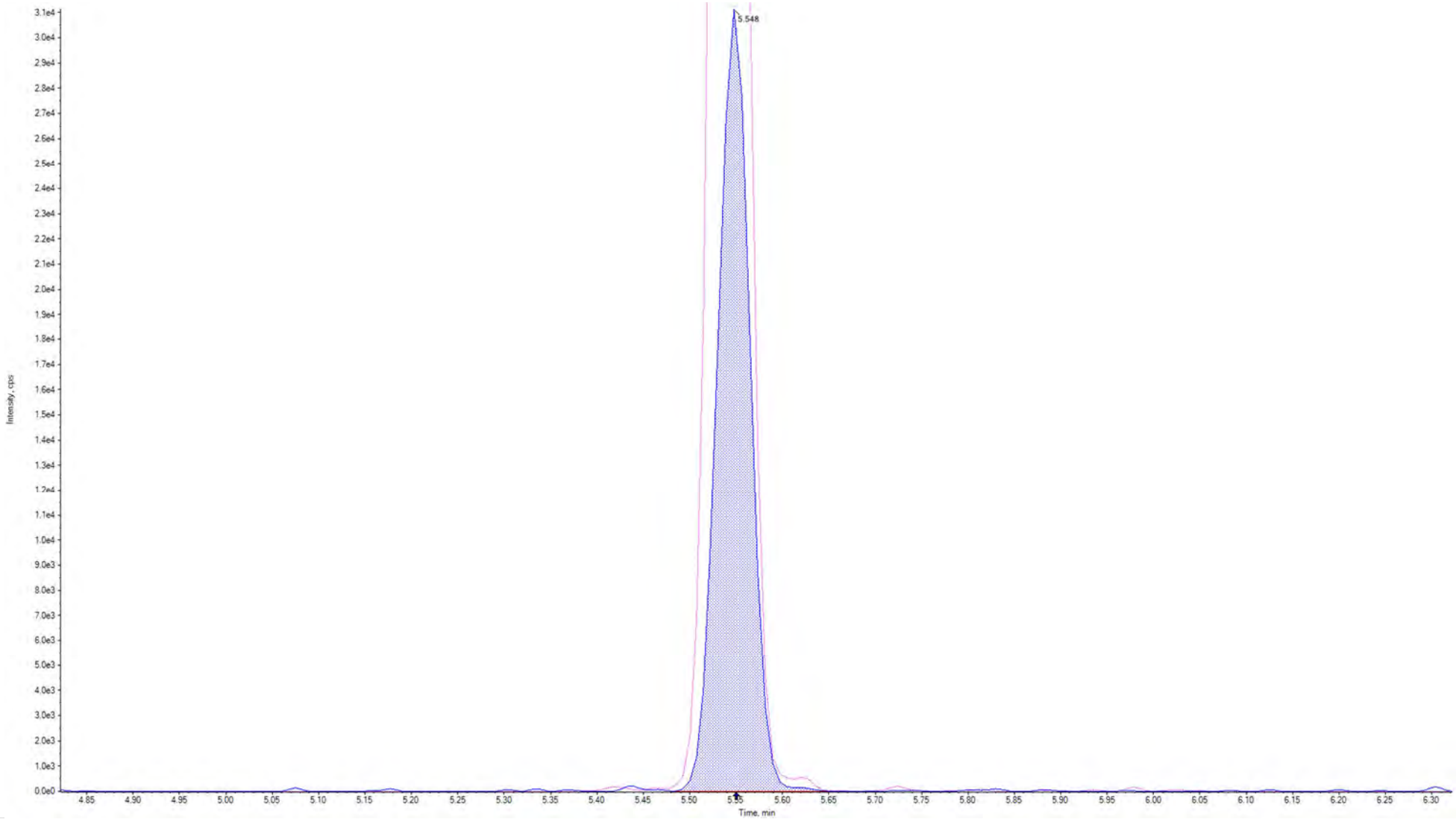
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_27.wiff2_3
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFTeDA
Sample: IA1633STD-2.5 S/N:5921.0 Points Across peak:23



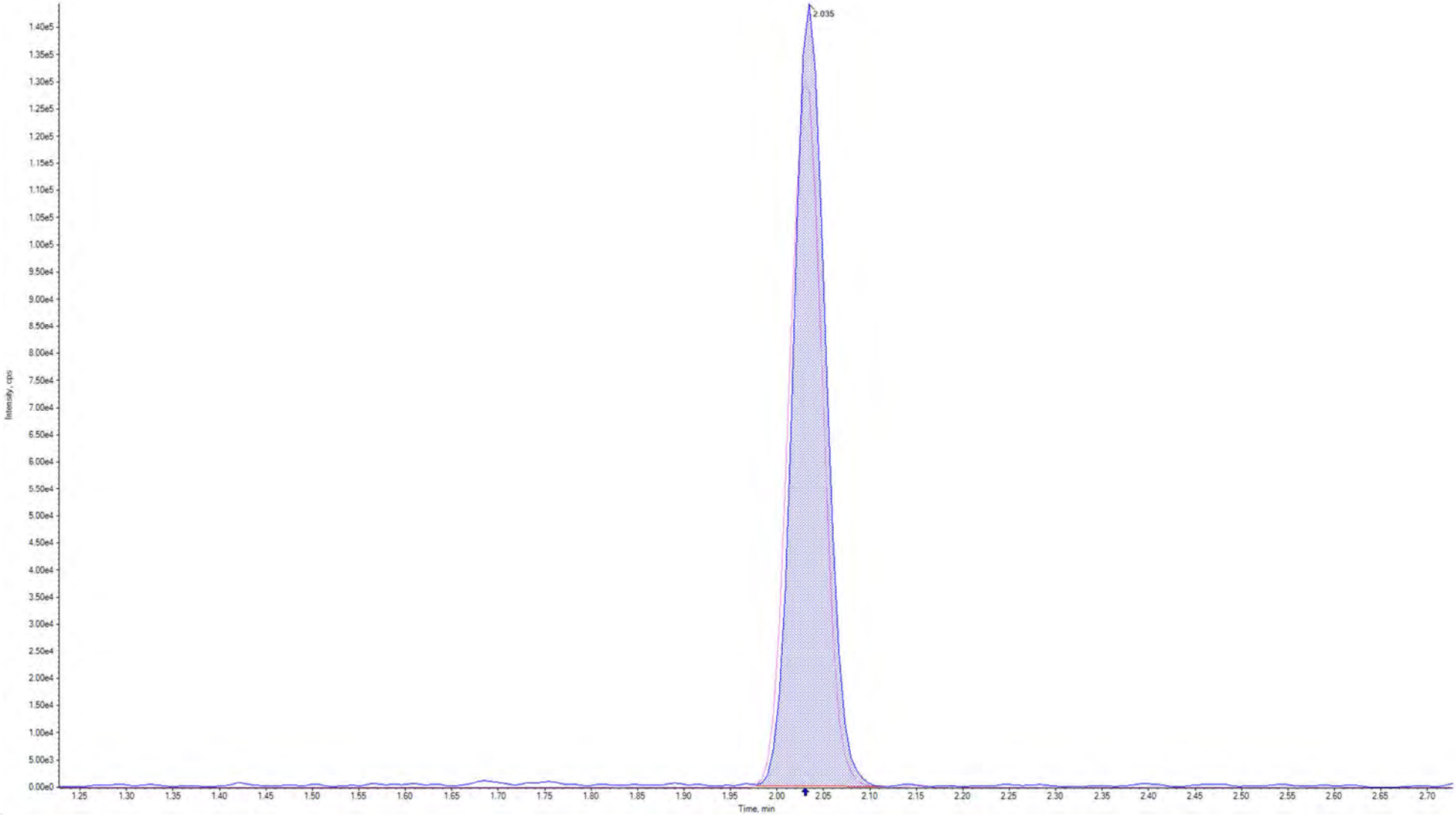
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_27.wiff2_3
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFTeDA_2
Sample: IA1633STD-2.5 S/N:858.4 Points Across peak:26



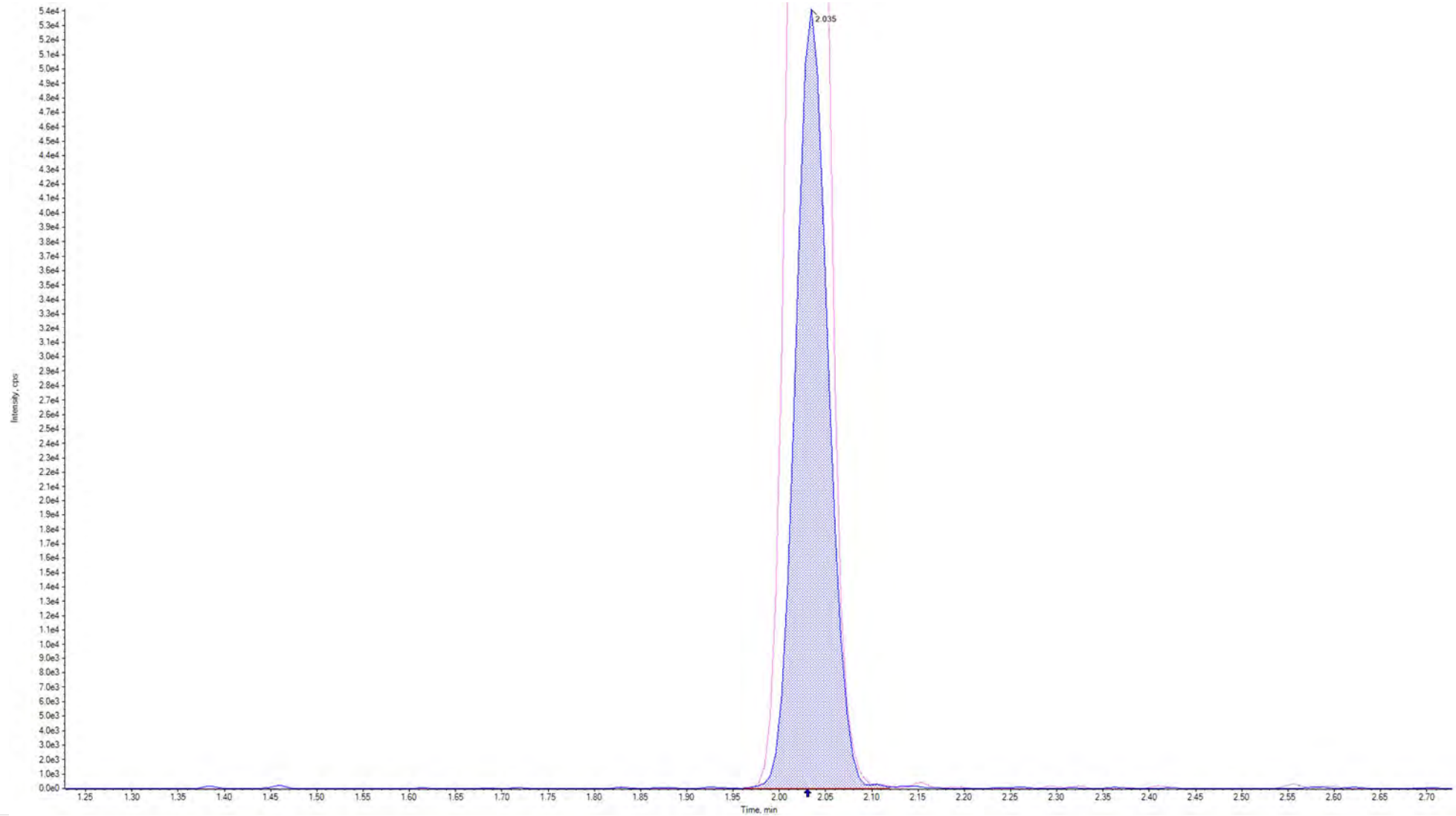
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_27.wiff2_3
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFBS
Sample: IA1633STD-2.5 S/N:2888.4 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\250228\SCI07_250228_27.wiff2_3
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFBS_2
Sample: IA1633STD-2.5 S/N:1085.4 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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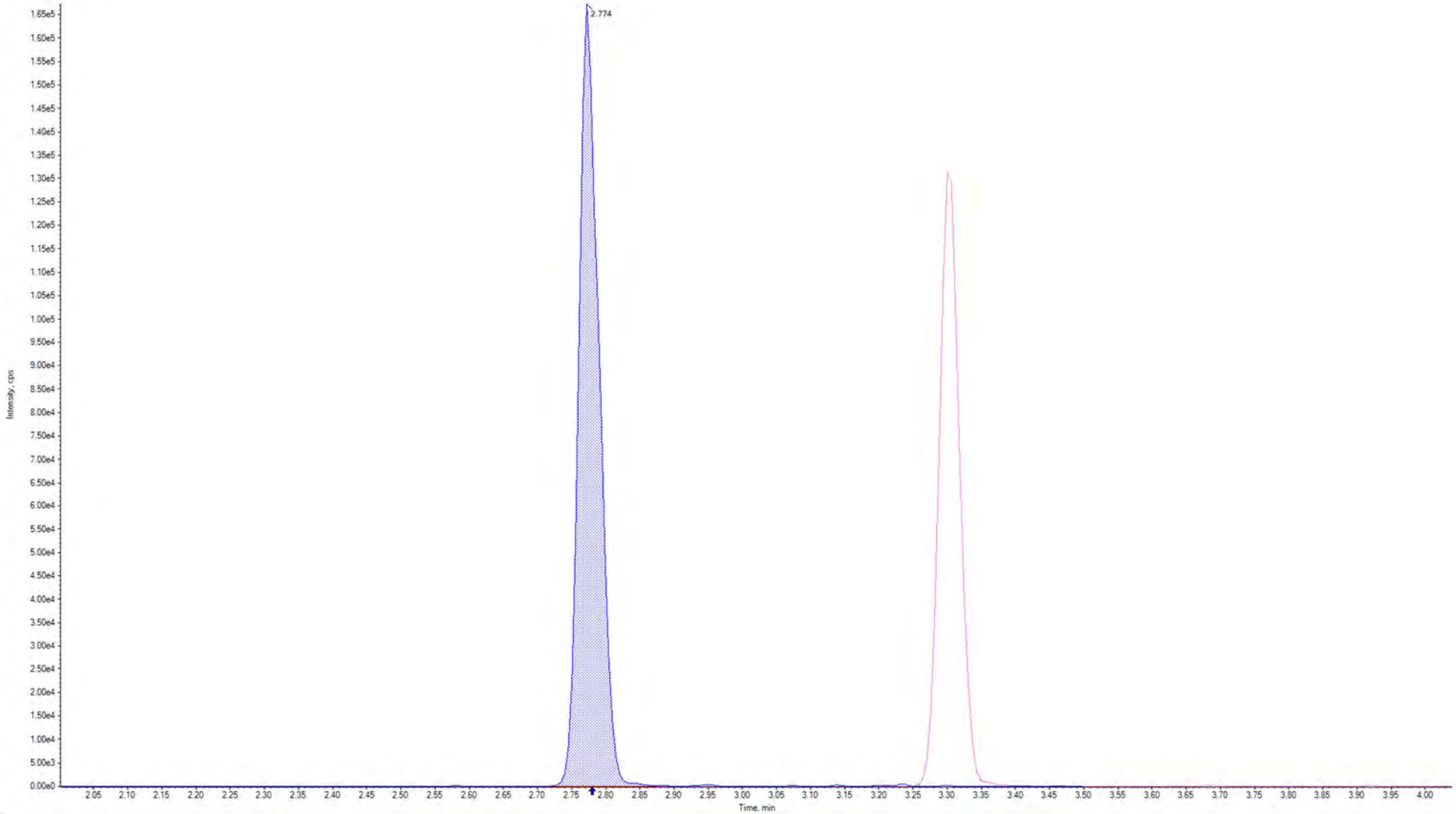
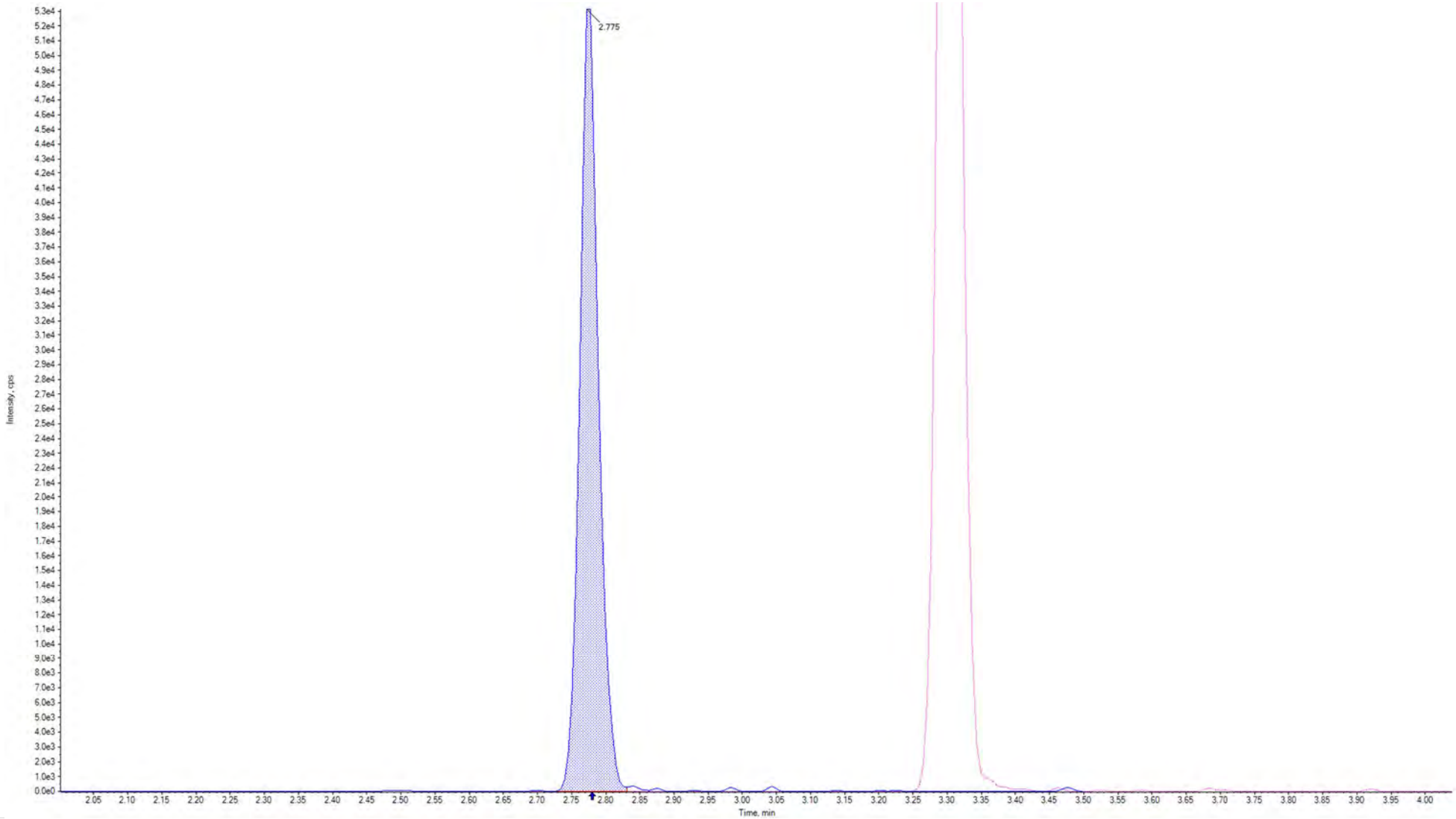
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFPeS
Sample: IA1633STD-2.5 S/N:2515.4 Points Across peak:33



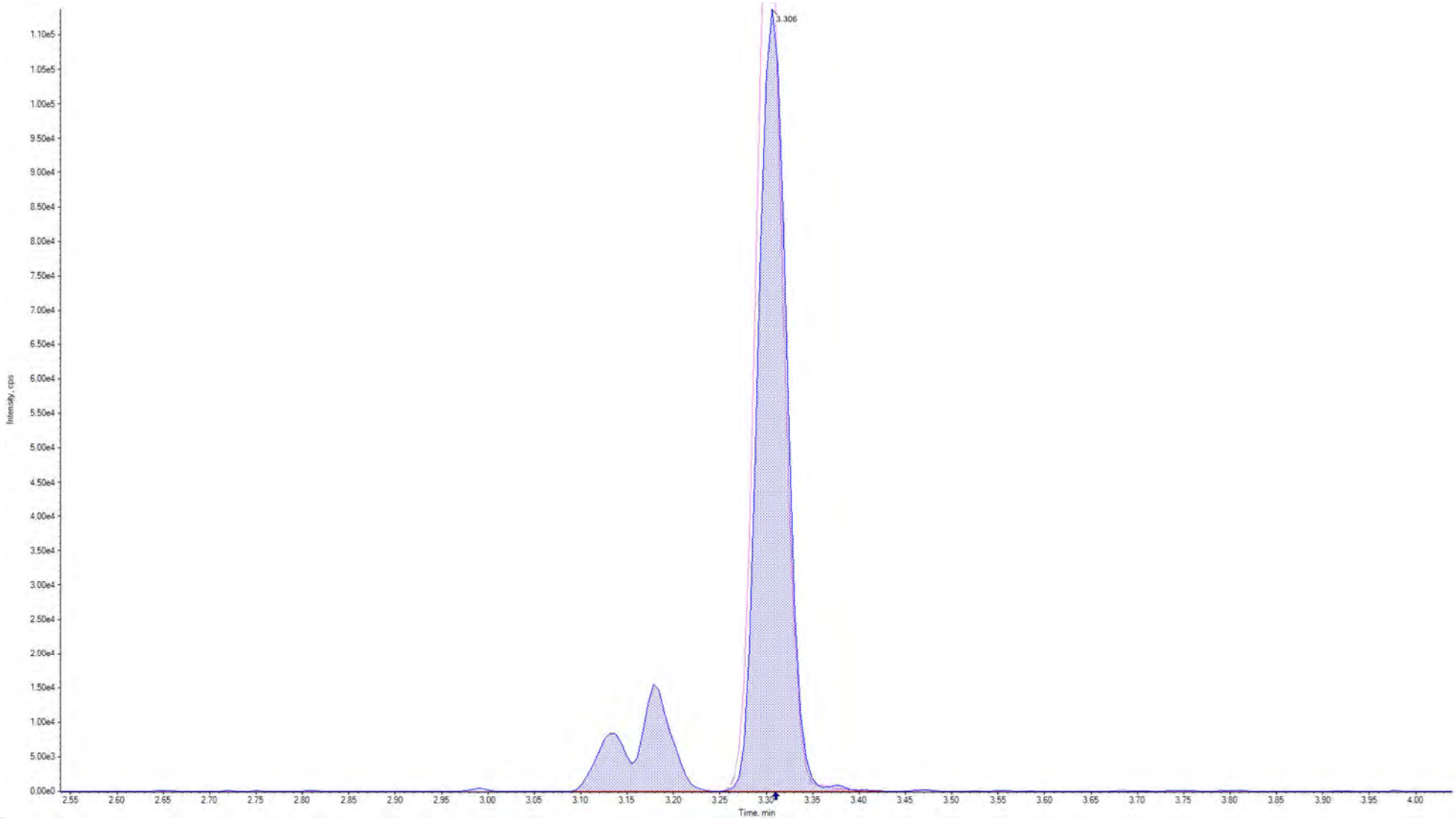
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_27.wiff2_3
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFPeS_2
Sample: IA1633STD-2.5 S/N:799.0 Points Across peak:21



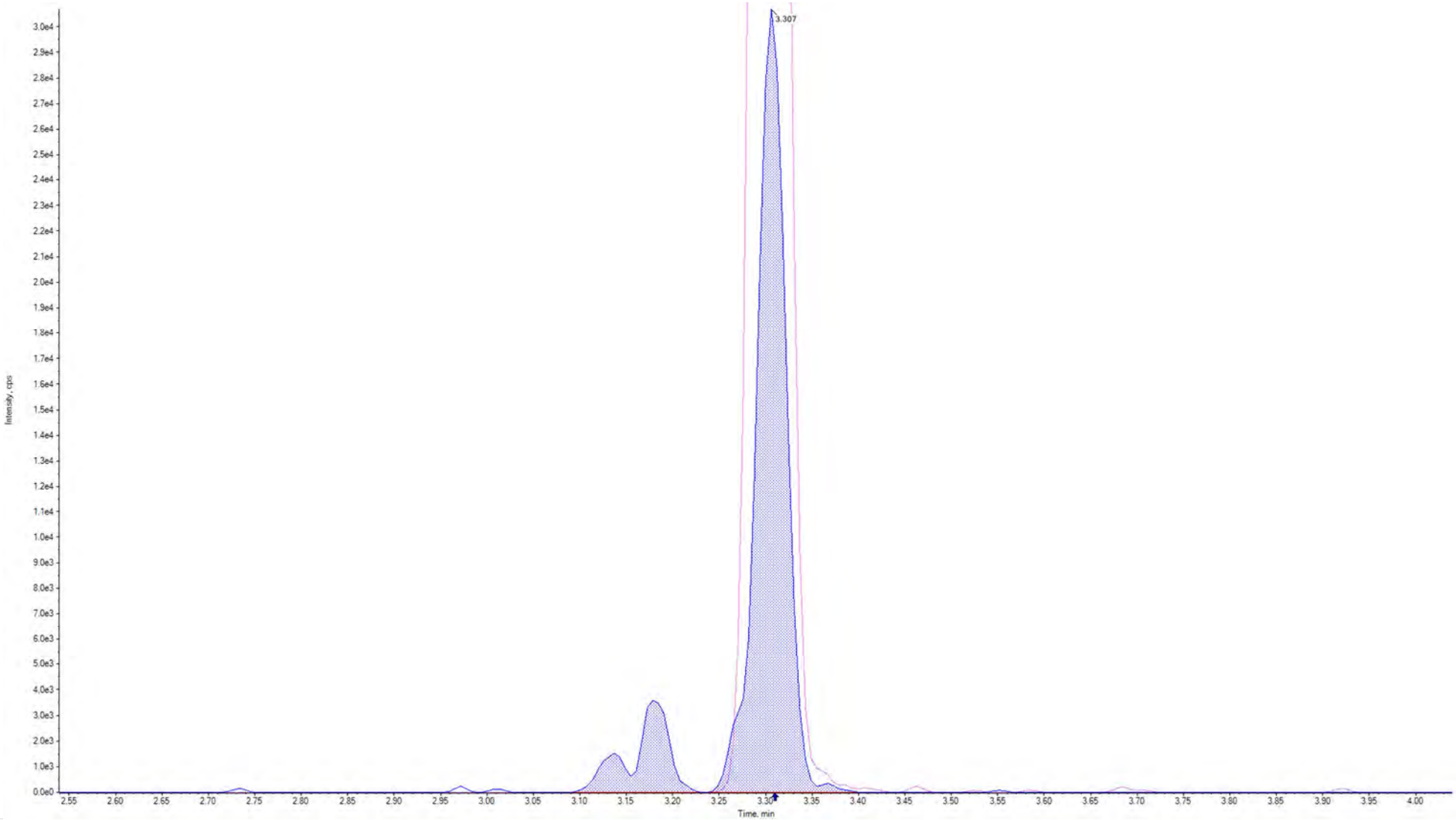
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_27.wiff2_3
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFHxS
Sample: IA1633STD-2.5 S/N:1425.1 Points Across peak:59



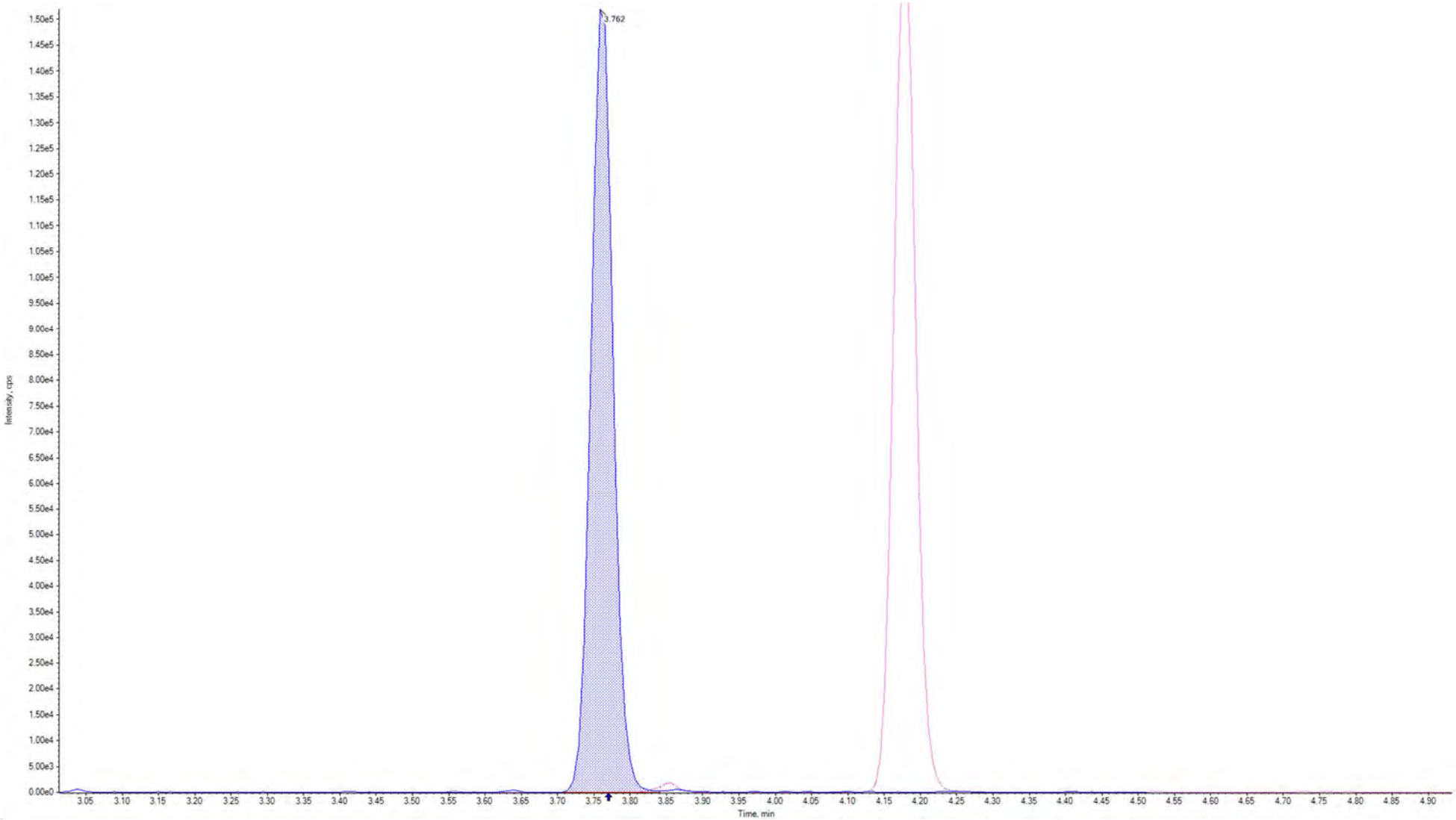
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_27.wiff2_3
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFHxS_2
Sample: IA1633STD-2.5 S/N:384.5 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\250228\SCI07_250228_27.wiff2_3
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFHpS
Sample: IA1633STD-2.5 S/N:1904.2 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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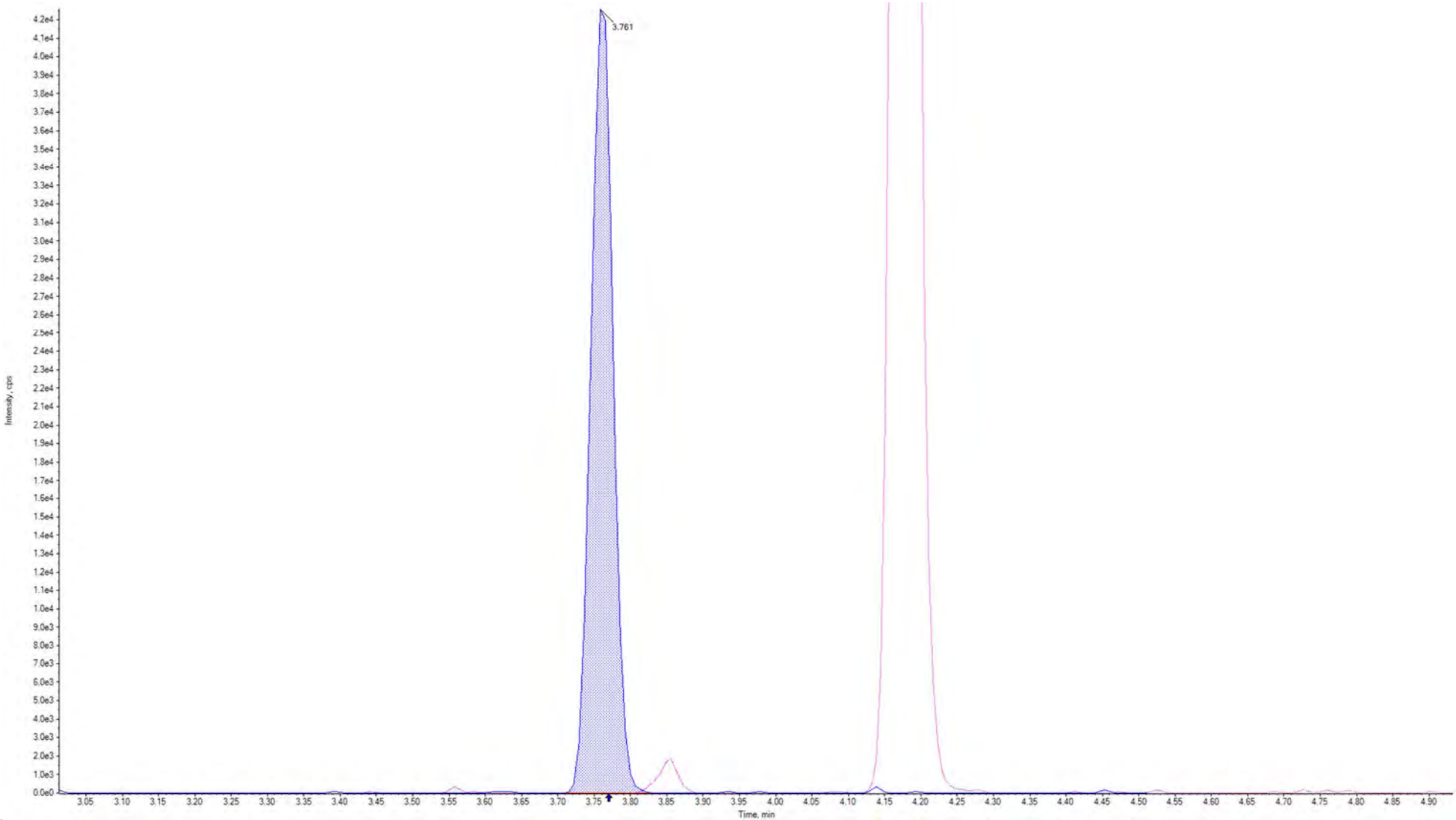
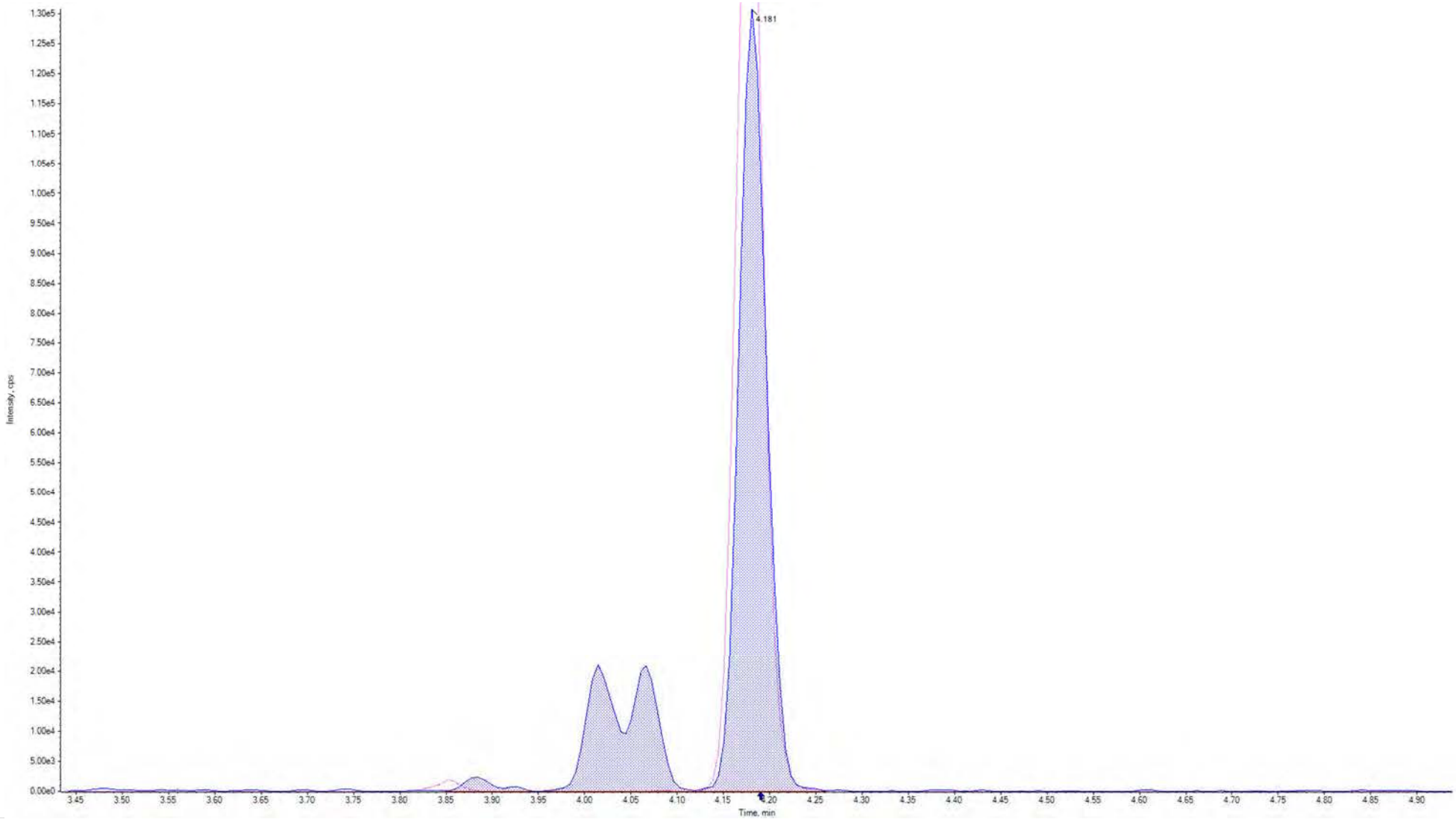
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFHpS_2
Sample: IA1633STD-2.5 S/N:533.5 Points Across peak:28



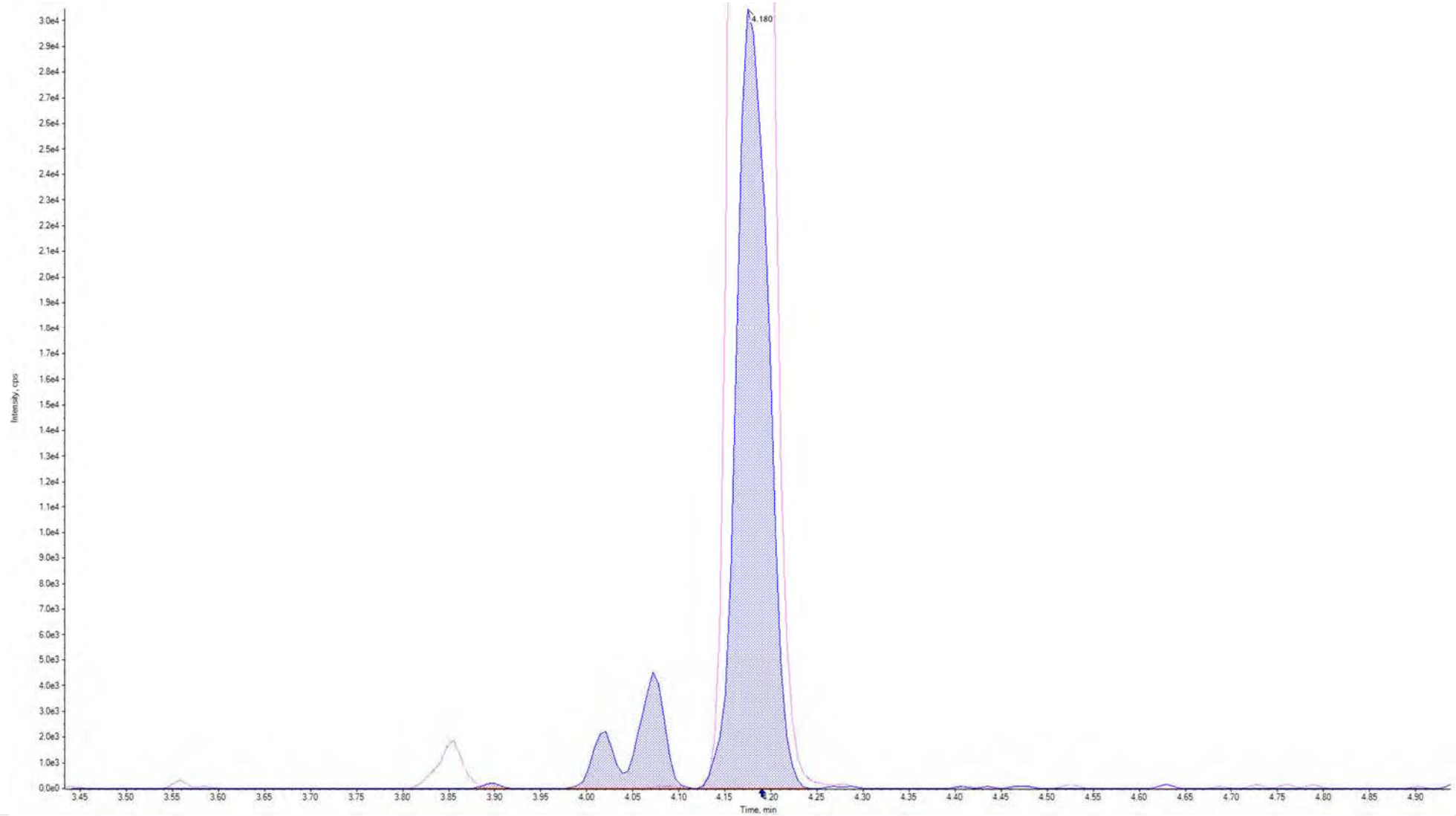
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_27.wiff2_3
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFOS
Sample: IA1633STD-2.5 S/N:712.0 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\250228\SCI07_250228_27.wiff2_3
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFOS_2
Sample: IA1633STD-2.5 S/N:381.6 Points Across peak:63



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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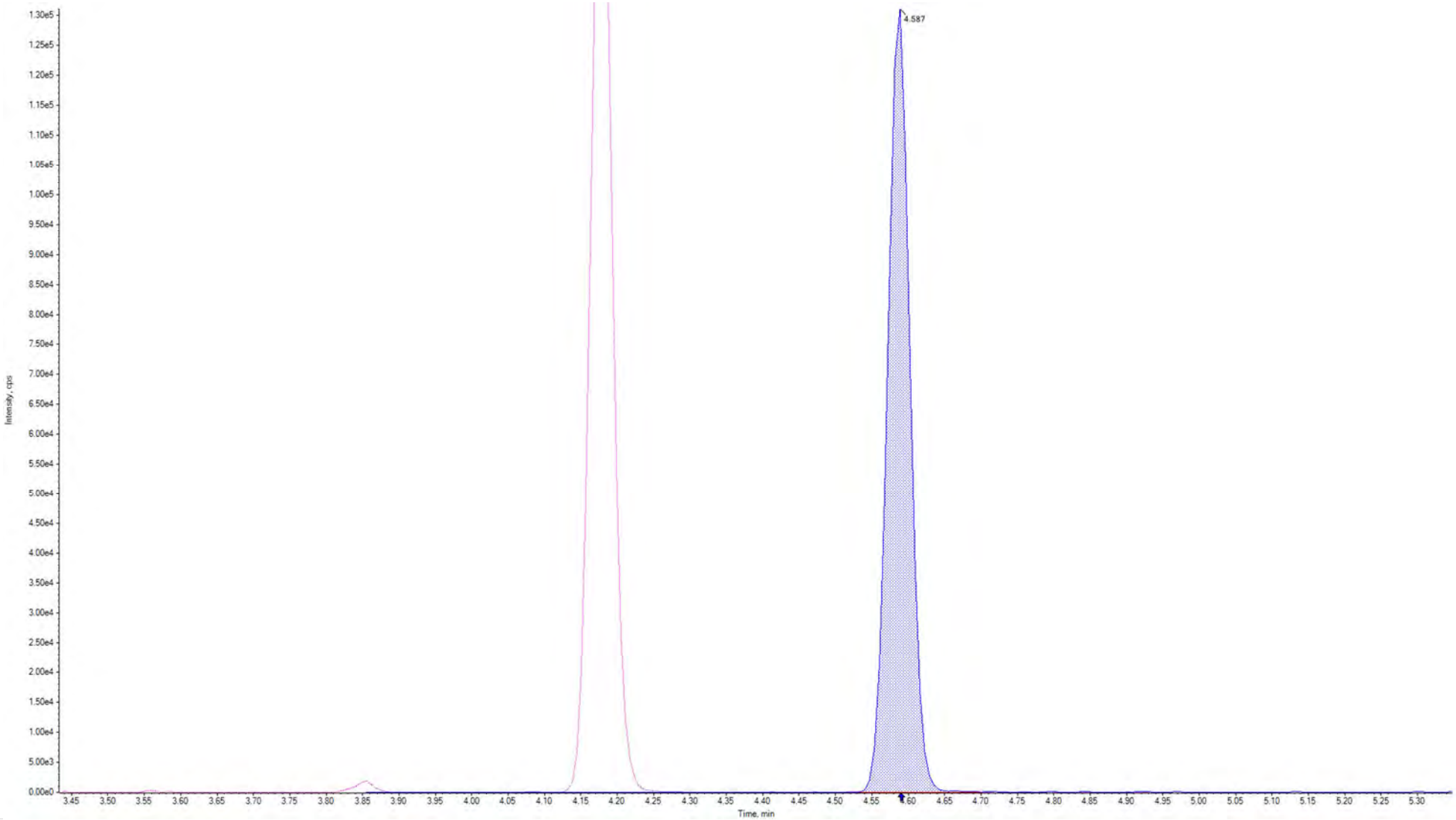
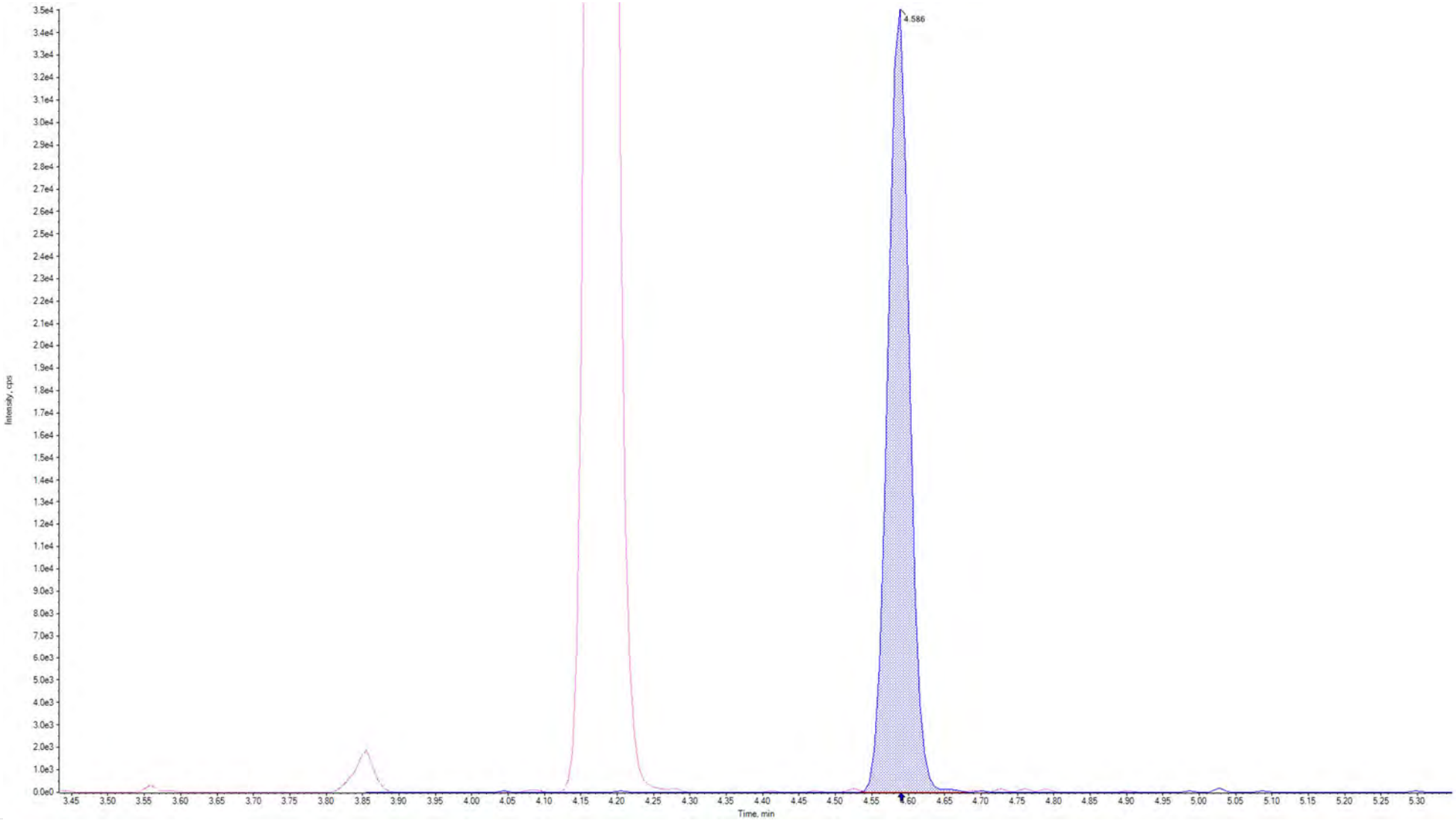
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFNS
Sample: IA1633STD-2.5 S/N:1970.4 Points Across peak:32



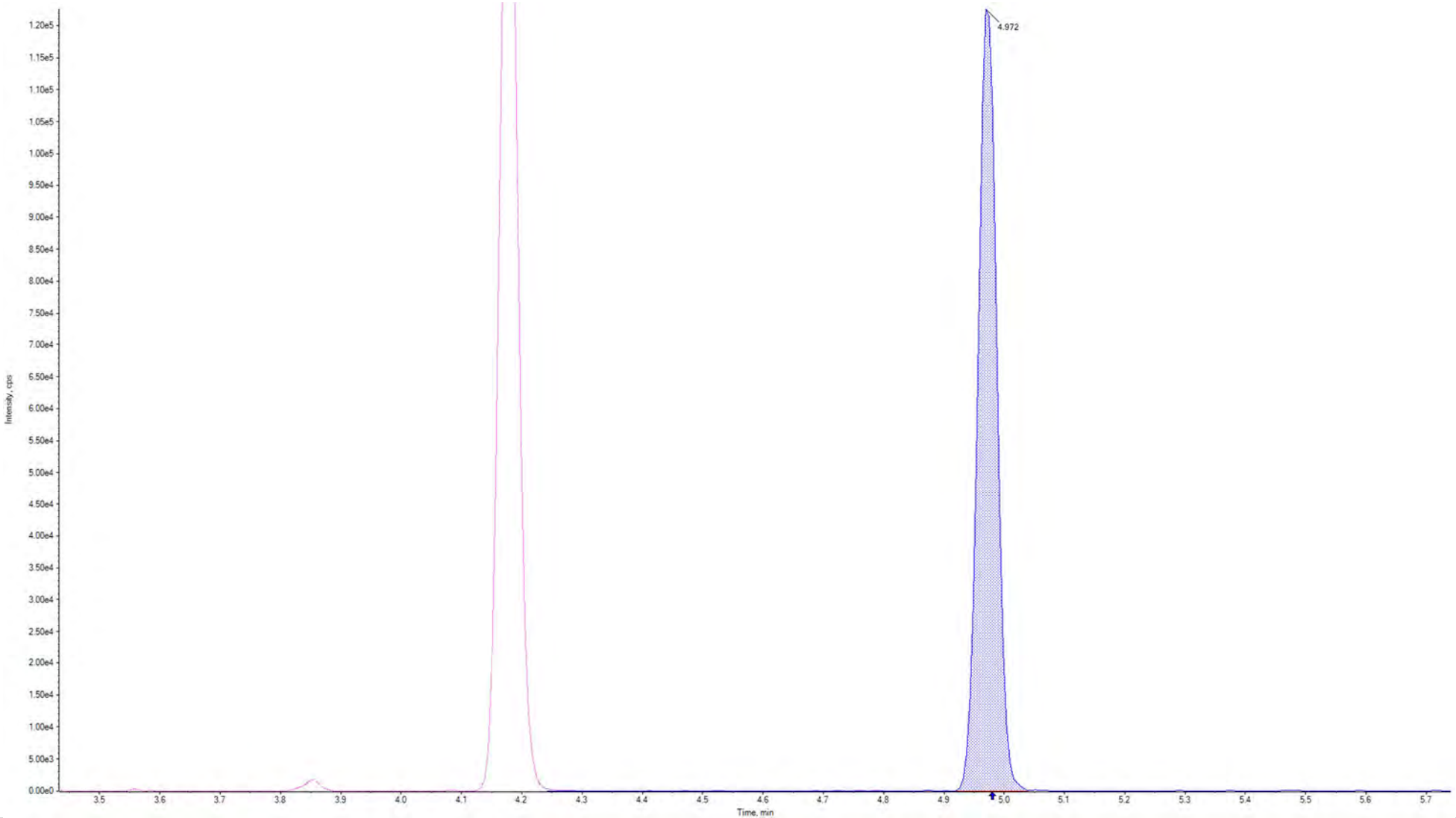
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_27.wiff2_3
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFNS_2
Sample: IA1633STD-2.5 S/N:527.1 Points Across peak:29



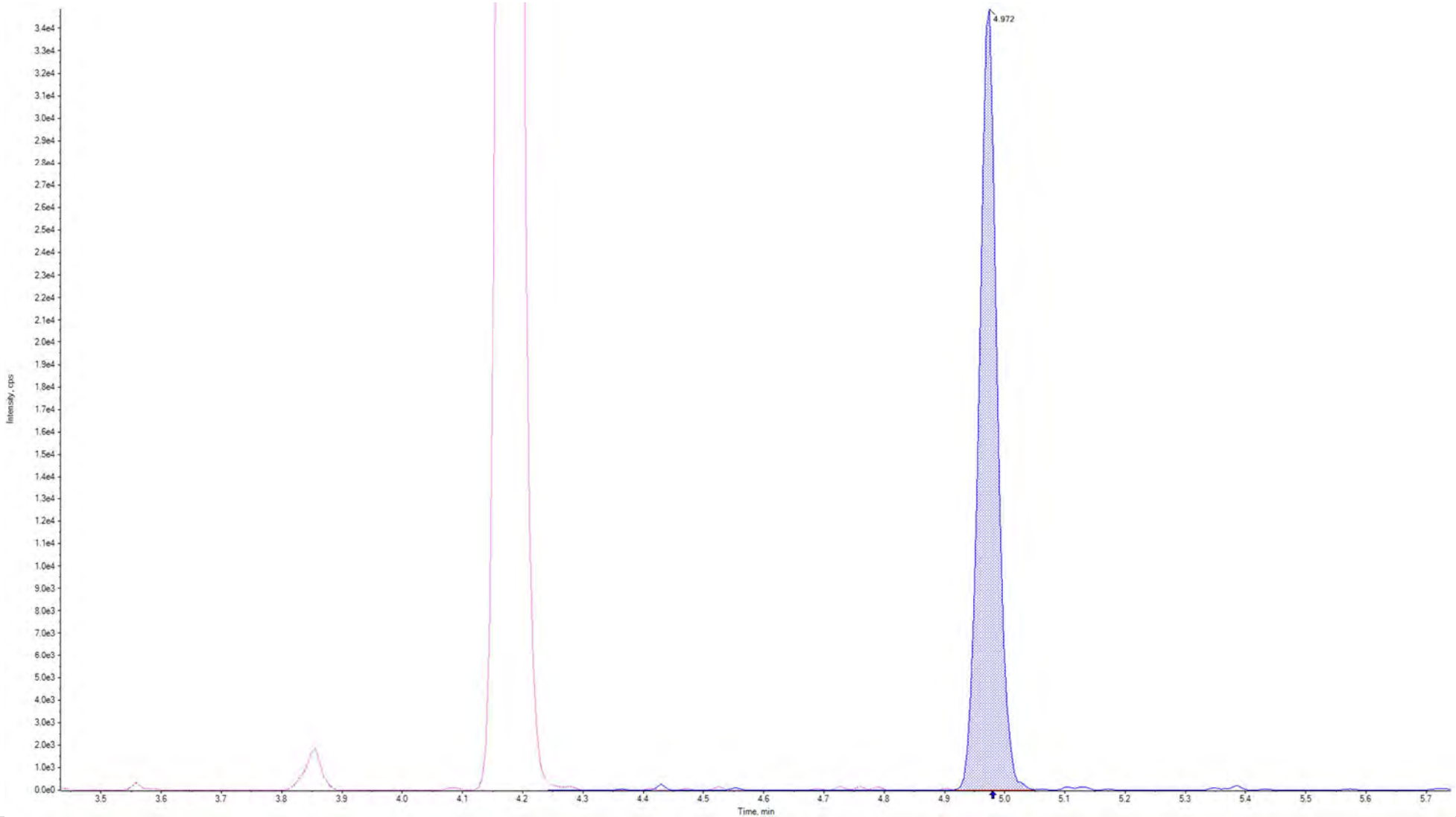
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_27.wiff2_3
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFDS
Sample: IA1633STD-2.5 S/N:2150.7 Points Across peak:25



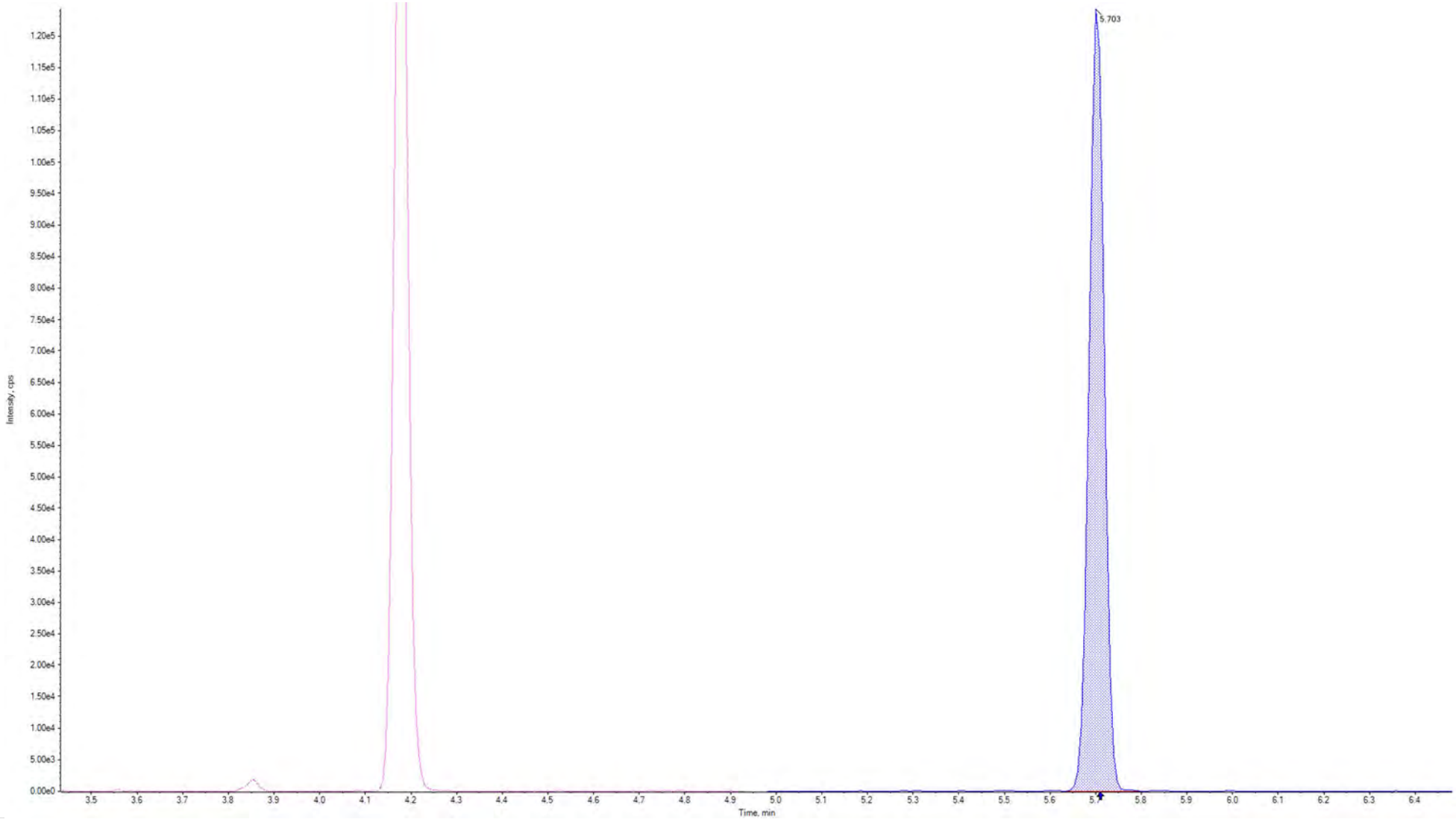
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_27.wiff2_3
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFDS_2
Sample: IA1633STD-2.5 S/N:611.4 Points Across peak:31



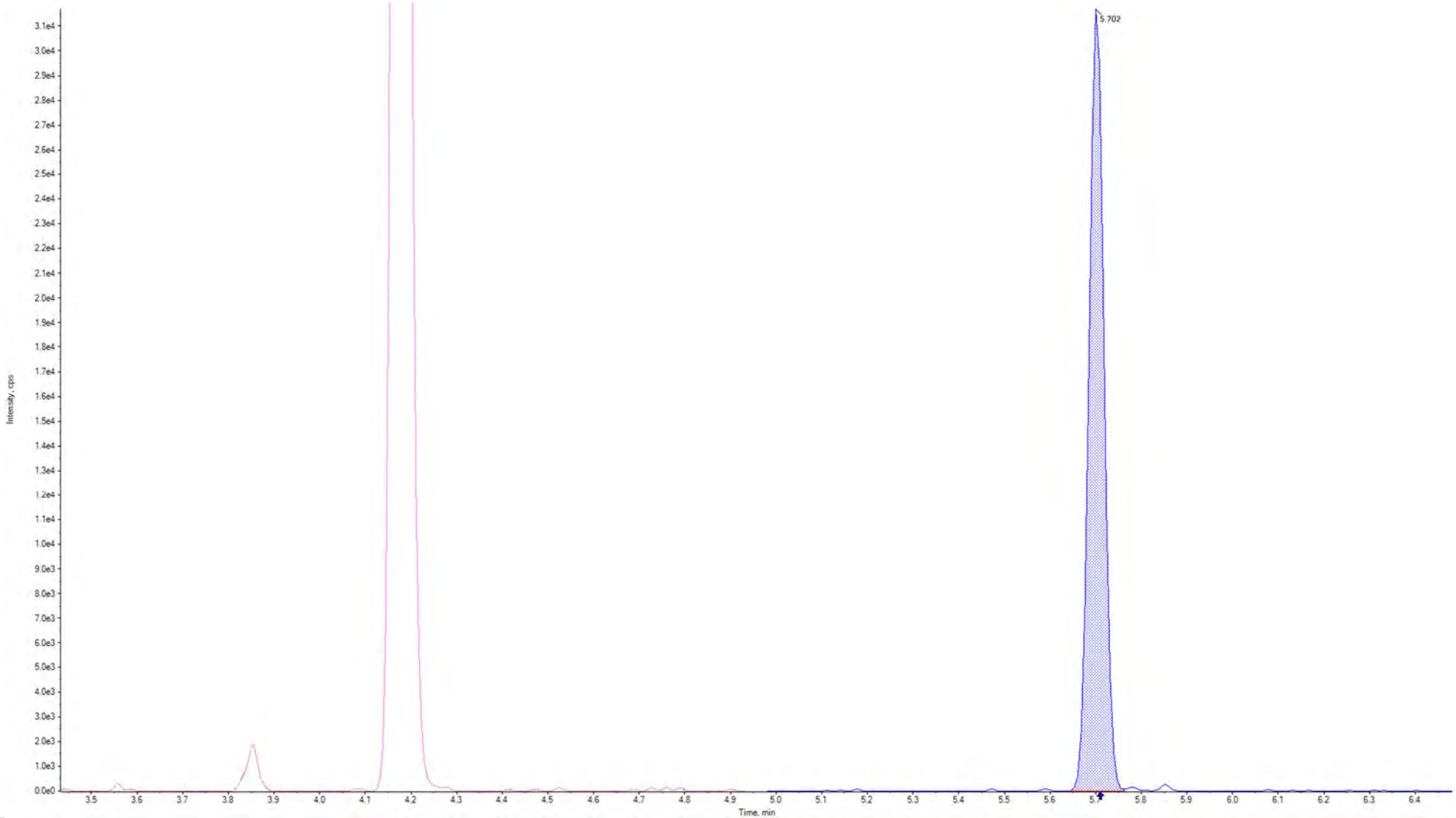
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_27.wiff2_3
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFDoS
Sample: IA1633STD-2.5 S/N:4047.6 Points Across peak:24



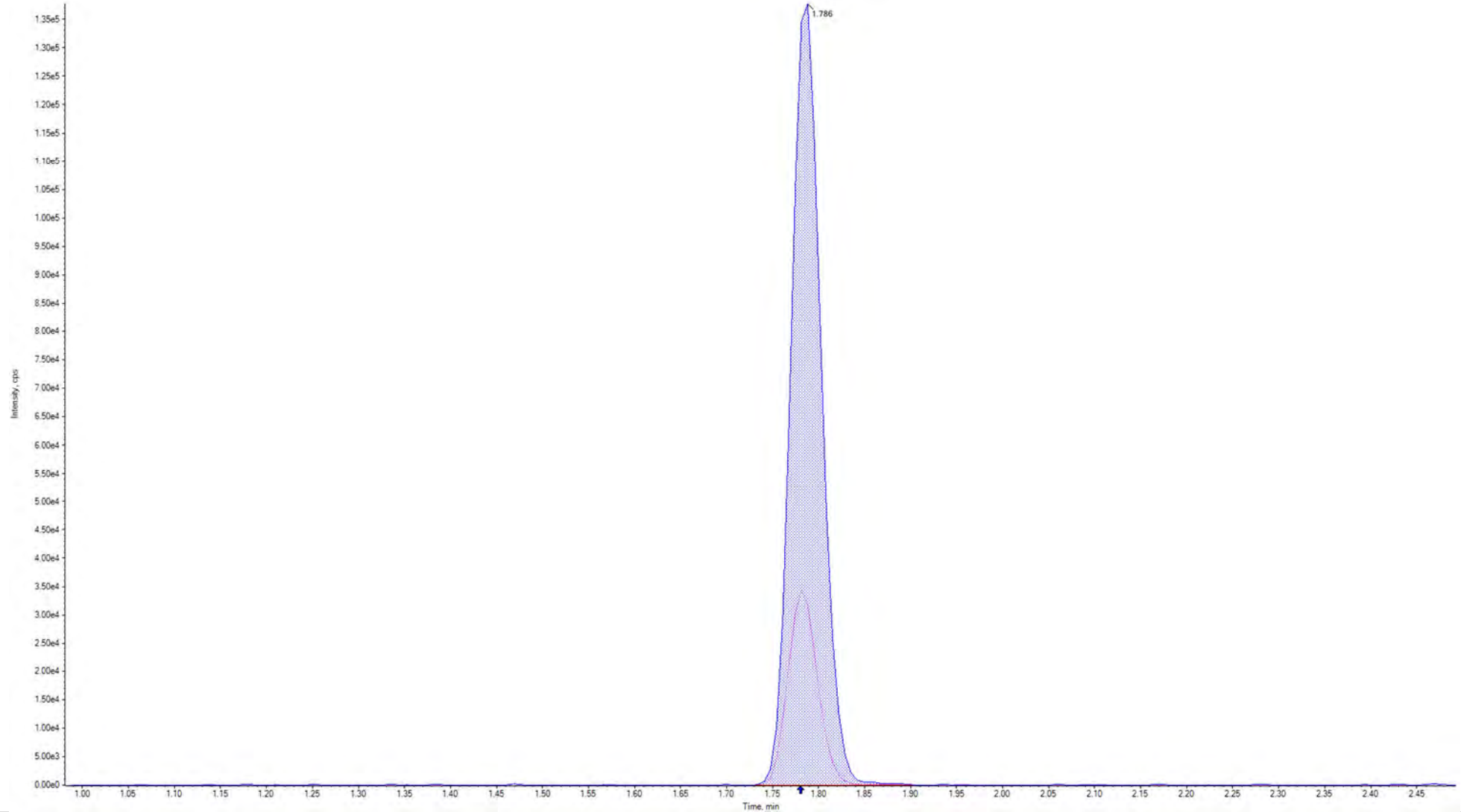
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_27.wiff2_3
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFDoS_2
Sample: IA1633STD-2.5 S/N:1032.2 Points Across peak:19



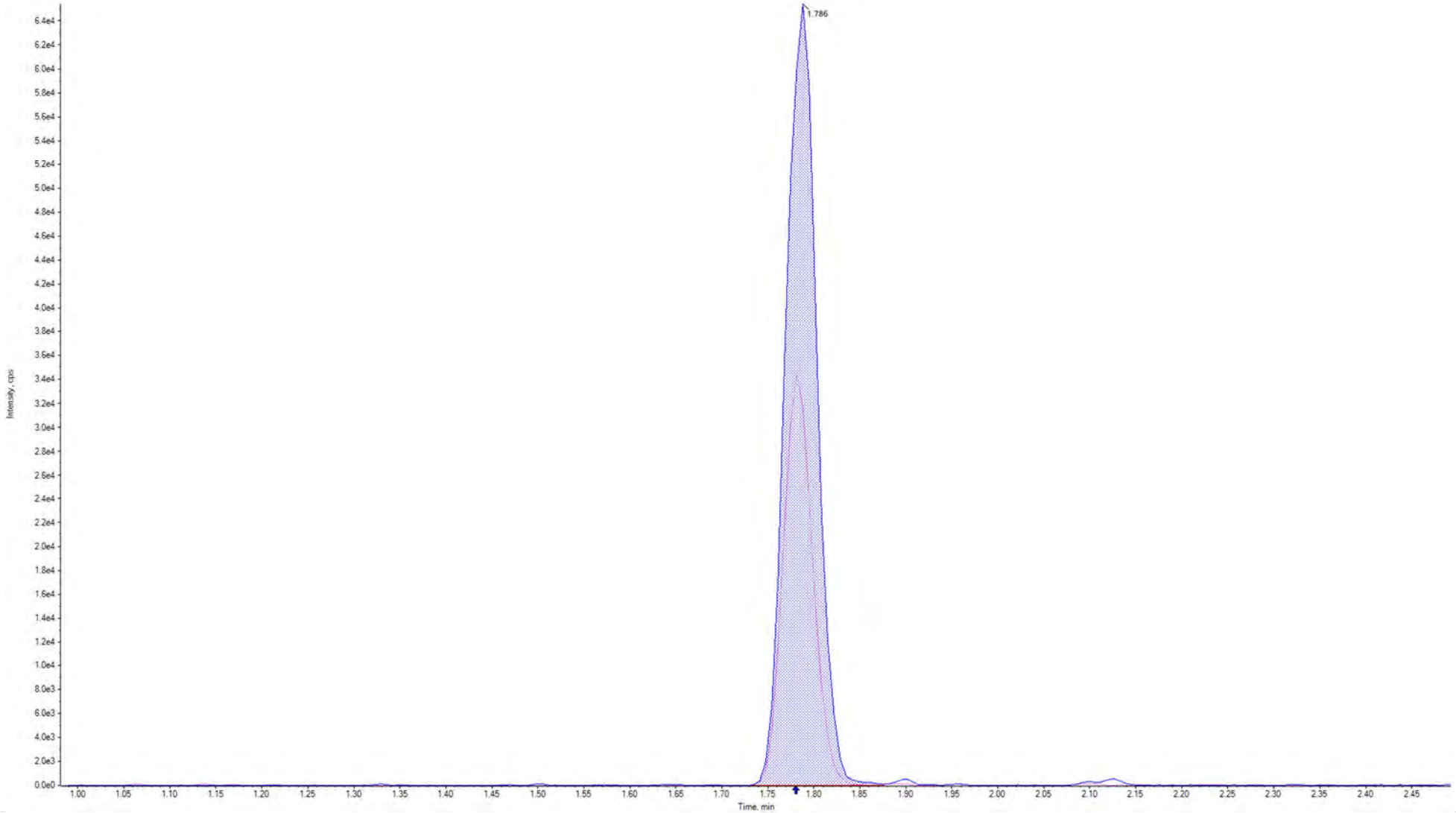
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_27.wiff2_3
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

4:2FTS
Sample: IA1633STD-2.5 S/N:3795.6 Points Across peak:31



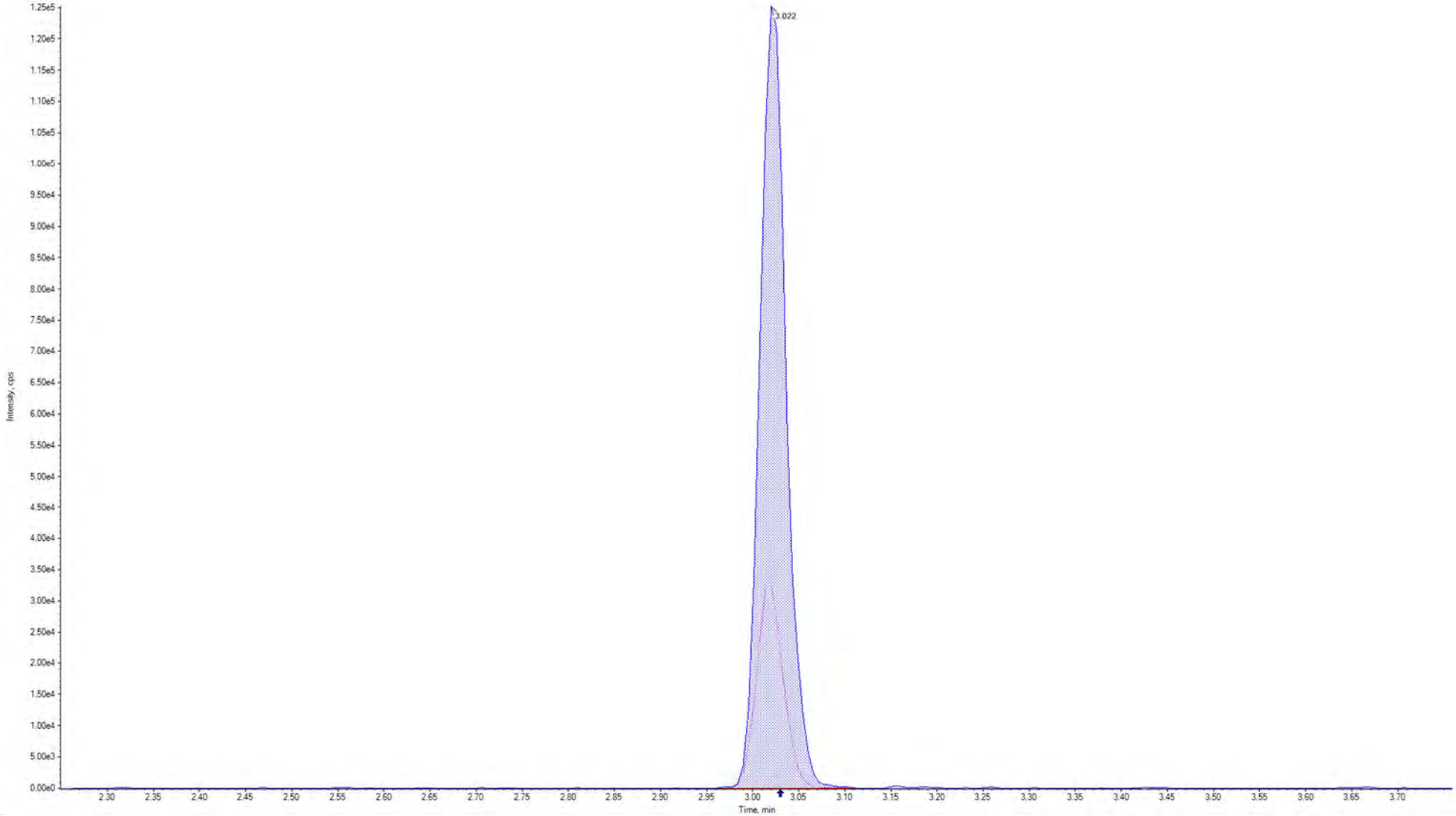
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_27.wiff2_3
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

4:2FTS_2
Sample: IA1633STD-2.5 S/N:1803.3 Points Across peak:27



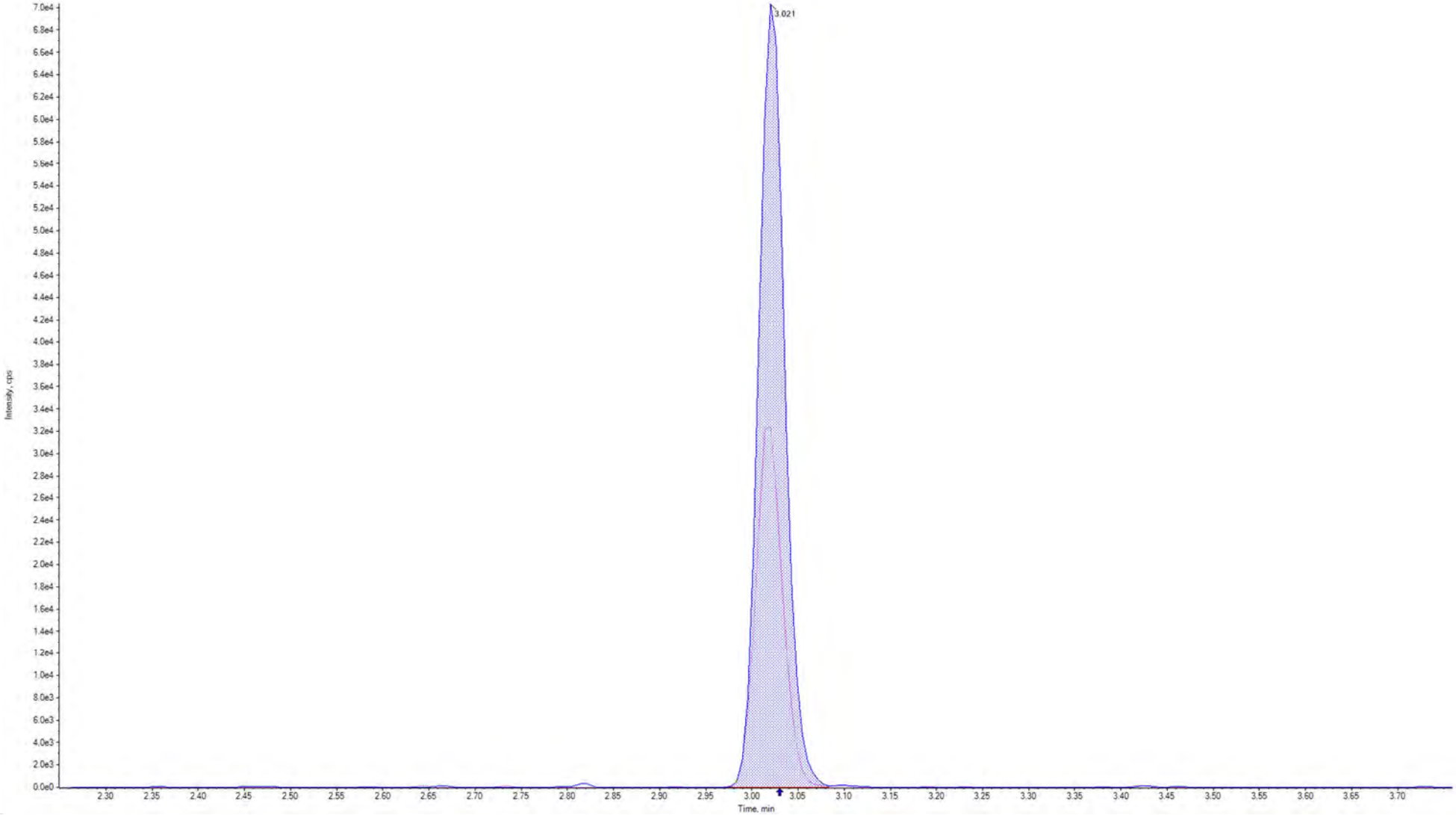
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_27.wiff2_3
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

6:2FTS
Sample: IA1633STD-2.5 S/N:1569.0 Points Across peak:32



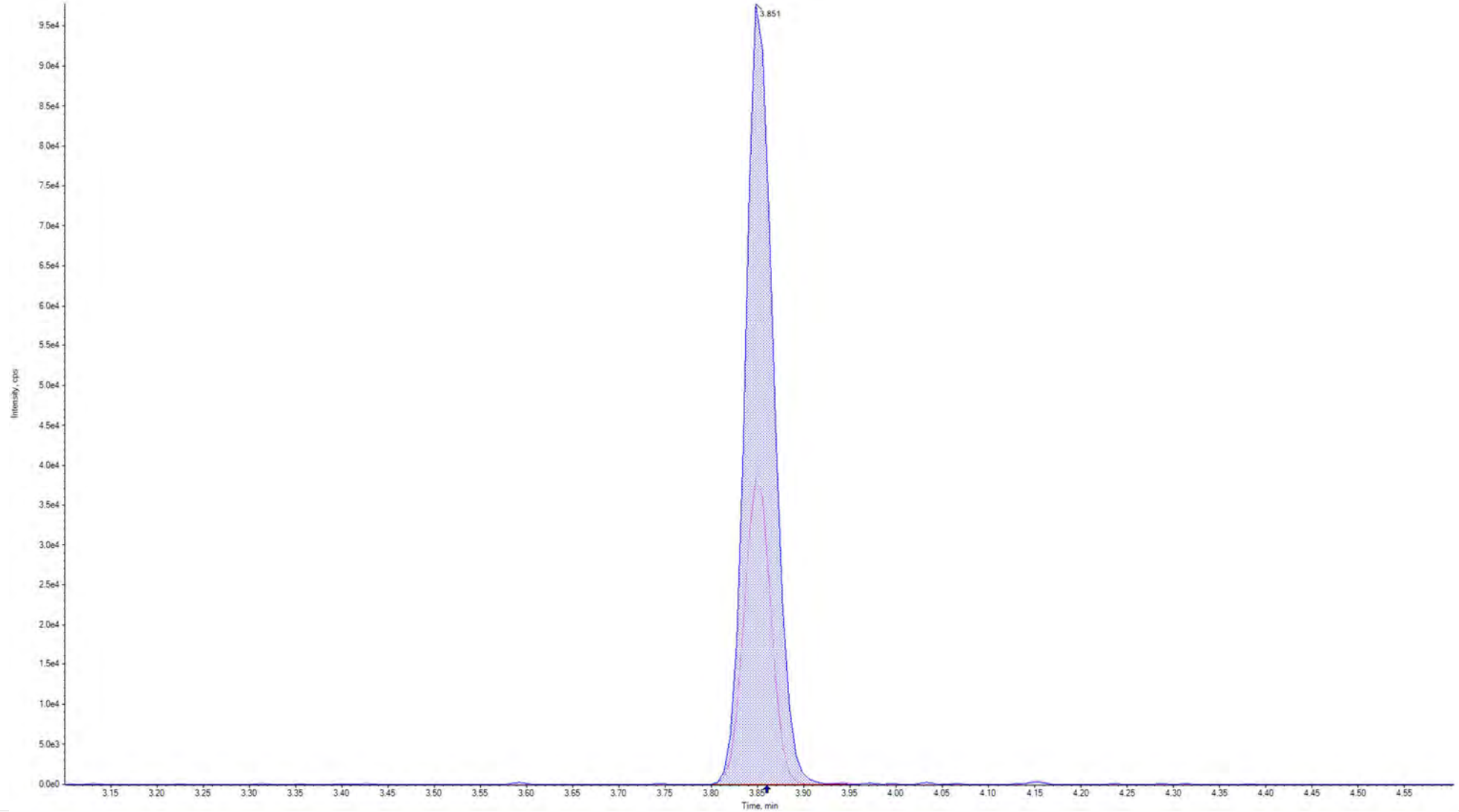
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_27.wiff2_3
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

6:2FTS_2
Sample: IA1633STD-2.5 S/N:881.2 Points Across peak:25



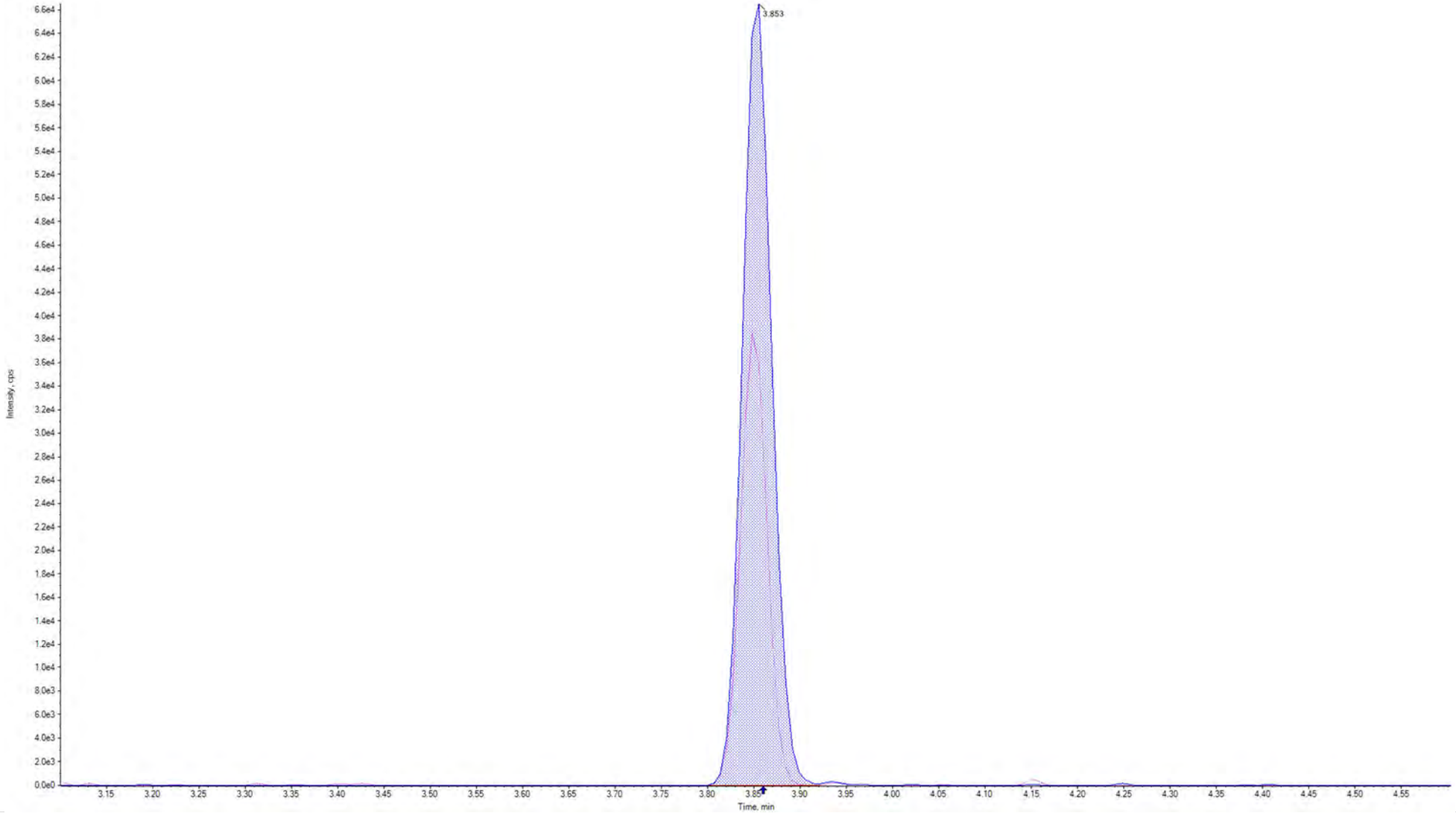
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_27.wiff2_3
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

8:2FTS
Sample: IA1633STD-2.5 S/N:1224.7 Points Across peak:25



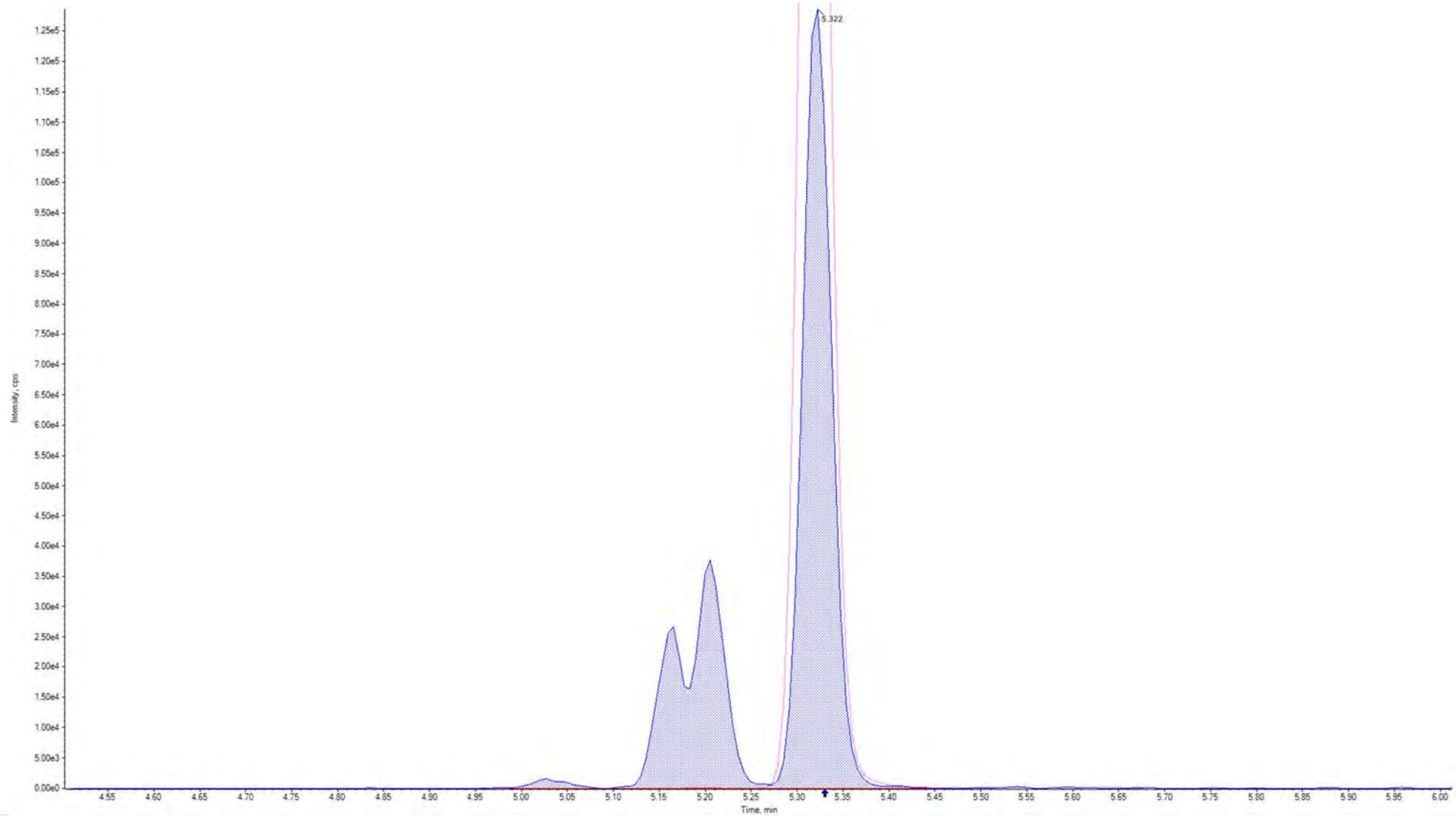
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_27.wiff2_3
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

8:2FTS_2
Sample: IA1633STD-2.5 S/N:833.3 Points Across peak:21



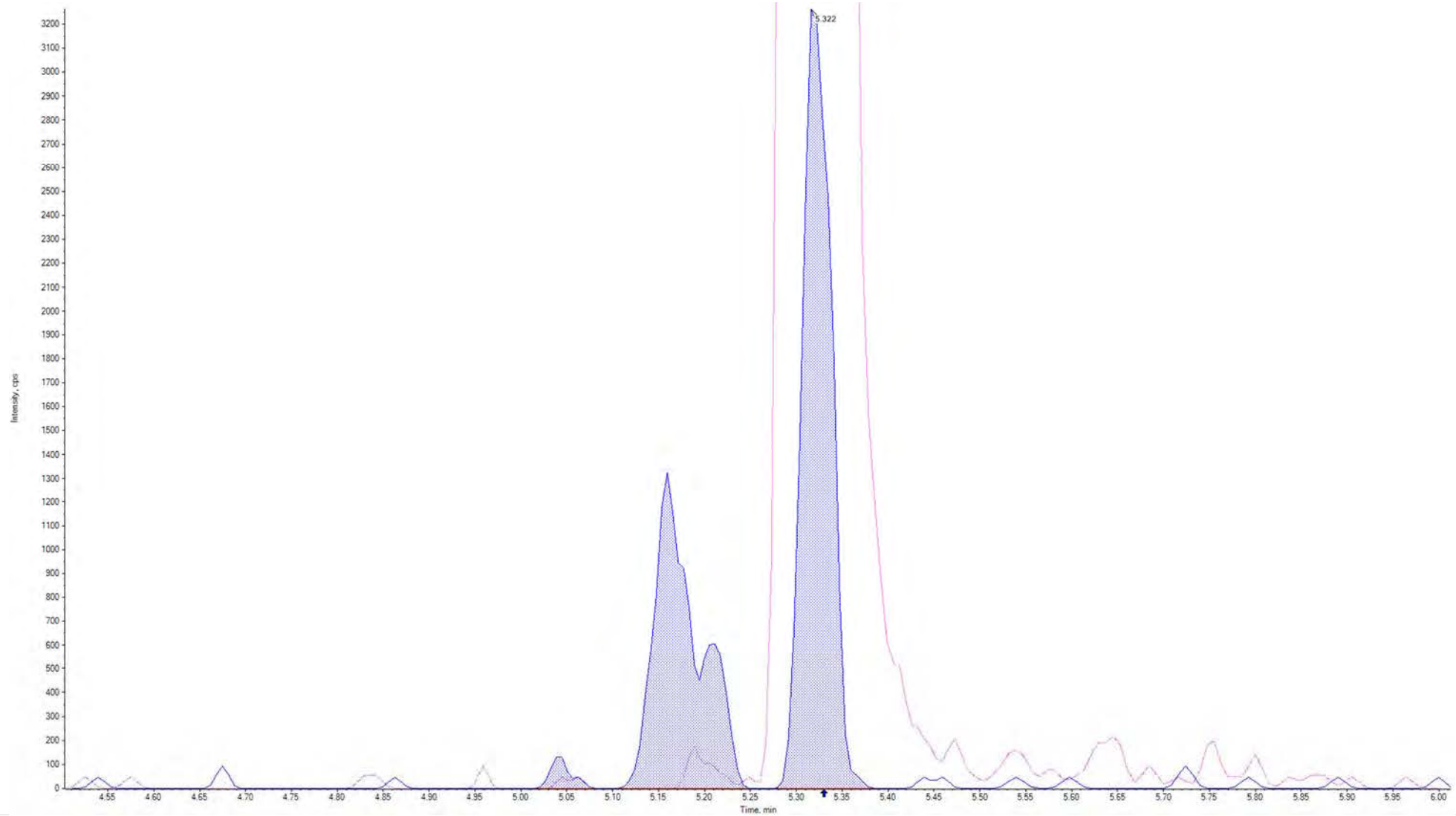
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_27.wiff2_3
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFOSA
Sample: IA1633STD-2.5 S/N:797.1 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\250228\SCI07_250228_27.wiff2_3
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFOSA_2
Sample: IA1633STD-2.5 S/N:73.6 Points Across peak:63



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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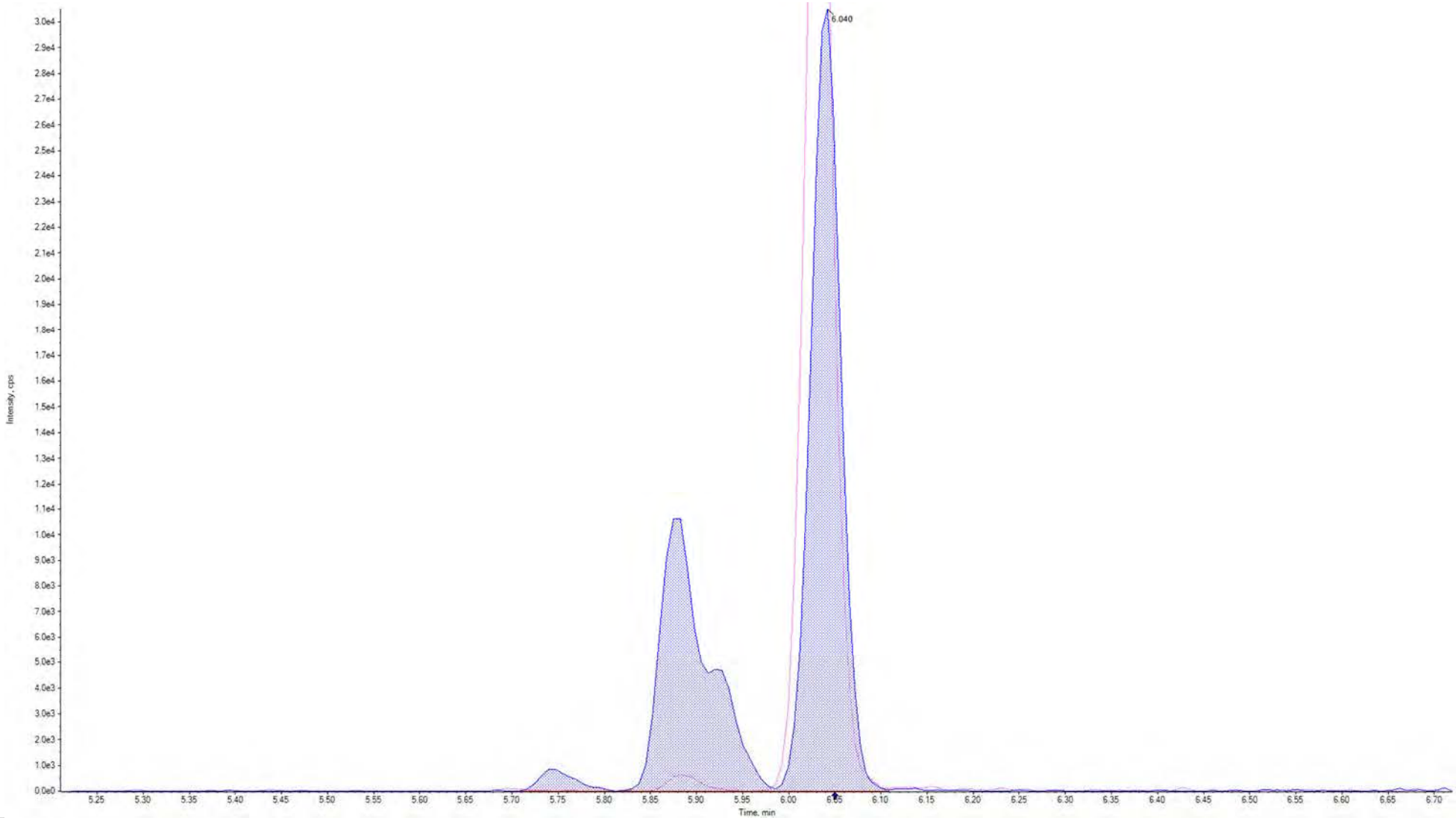
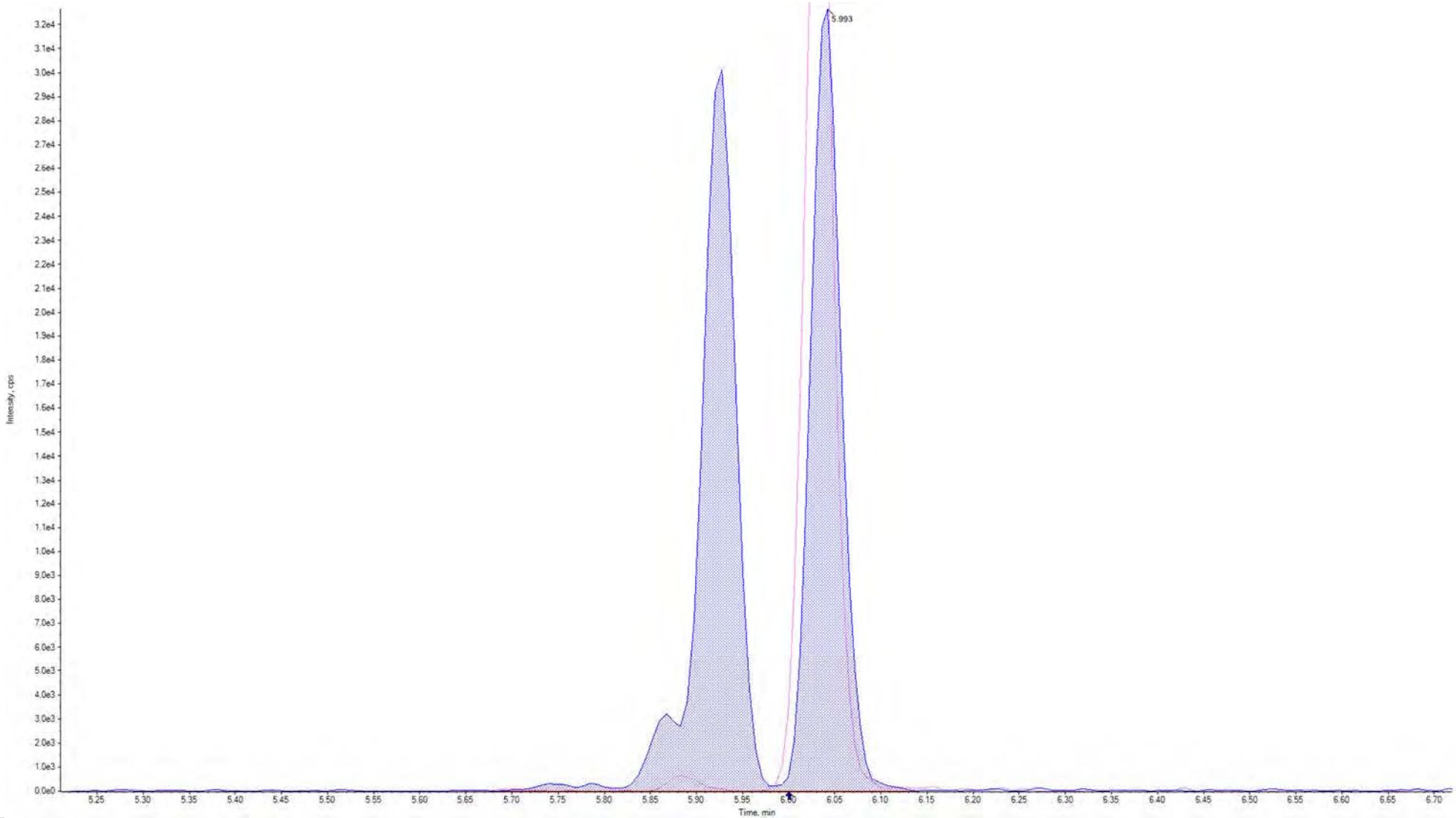
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

NMeFOSA
Sample: IA1633STD-2.5 S/N:1050.5 Points Across peak:60



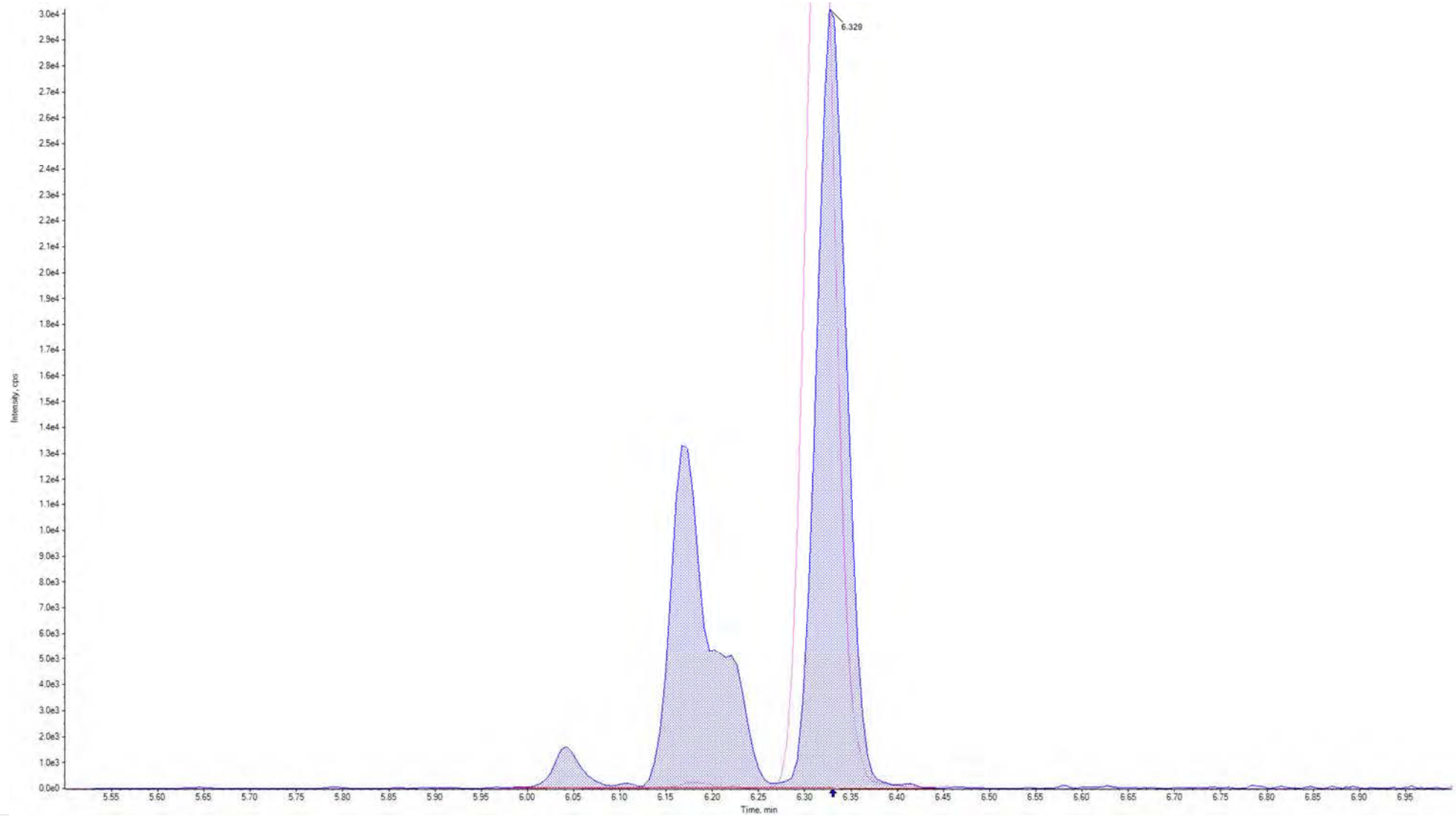
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_27.wiff2_3
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

NMeFOSA_2
Sample: IA1633STD-2.5 S/N:826.5 Points Across peak:66



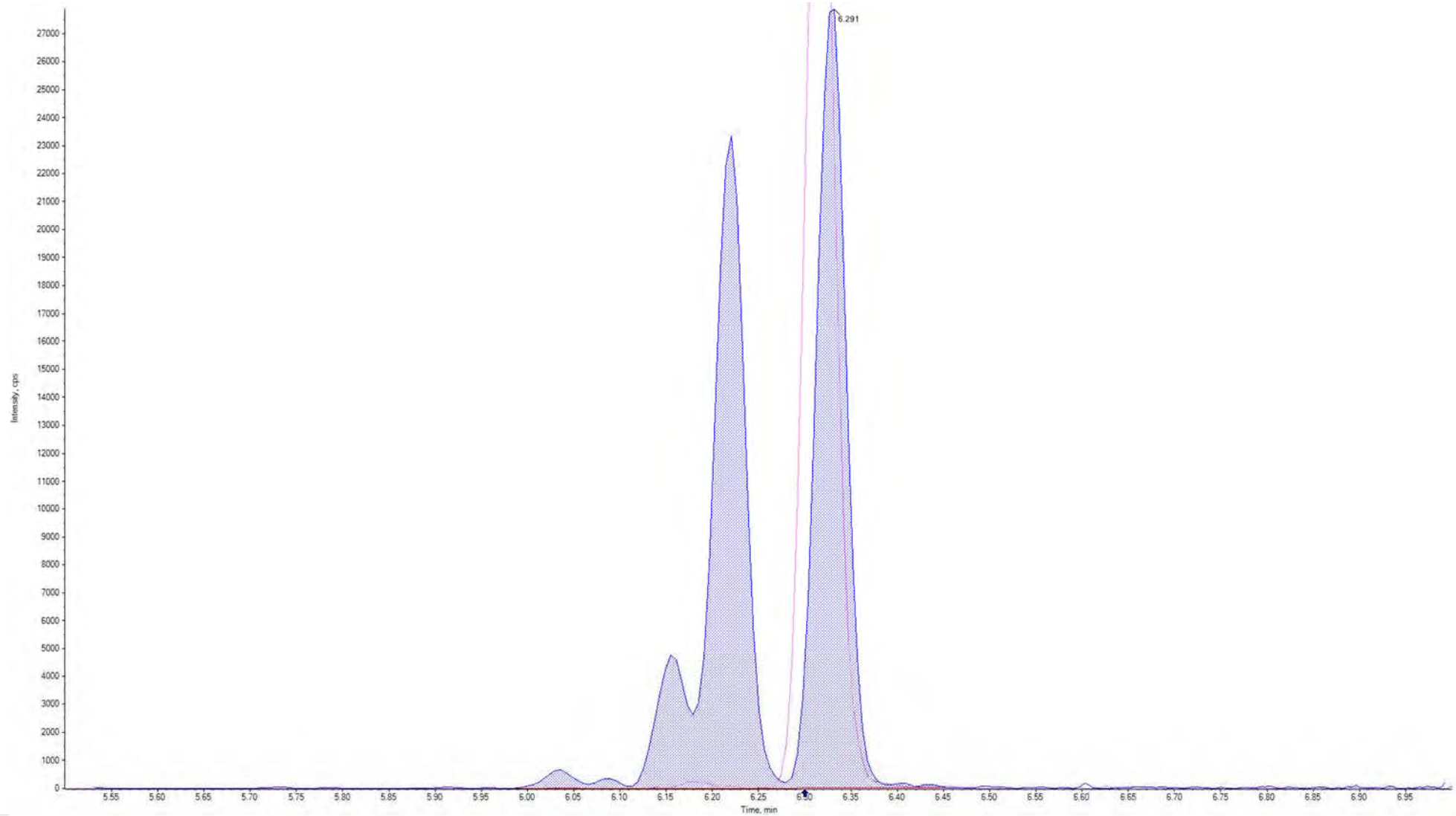
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_27.wiff2_3
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

NEtFOSA
Sample: IA1633STD-2.5 S/N:906.0 Points Across peak:83



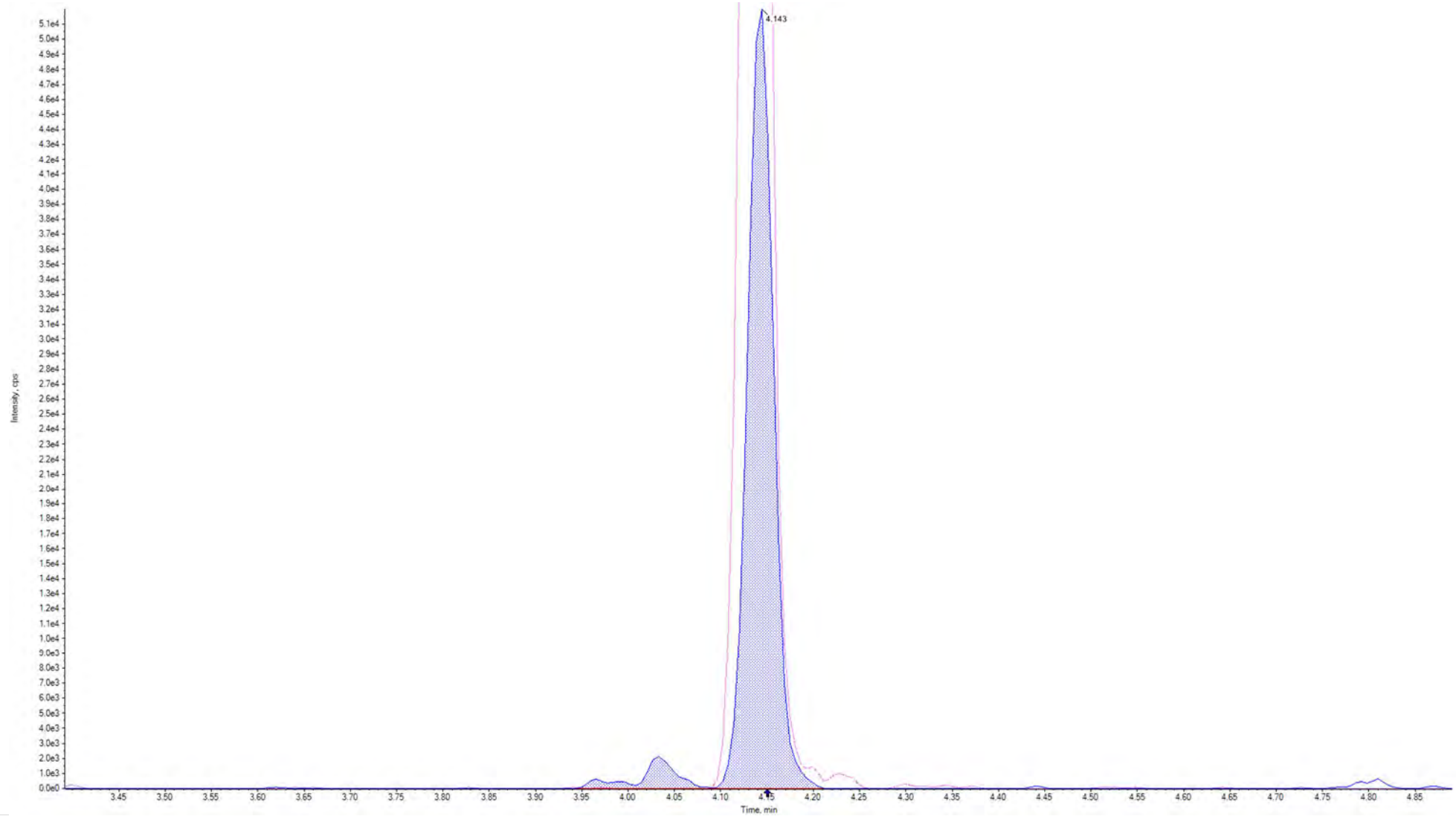
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_27.wiff2_3
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

NEtFOSA_2
Sample: IA1633STD-2.5 S/N:847.8 Points Across peak:85



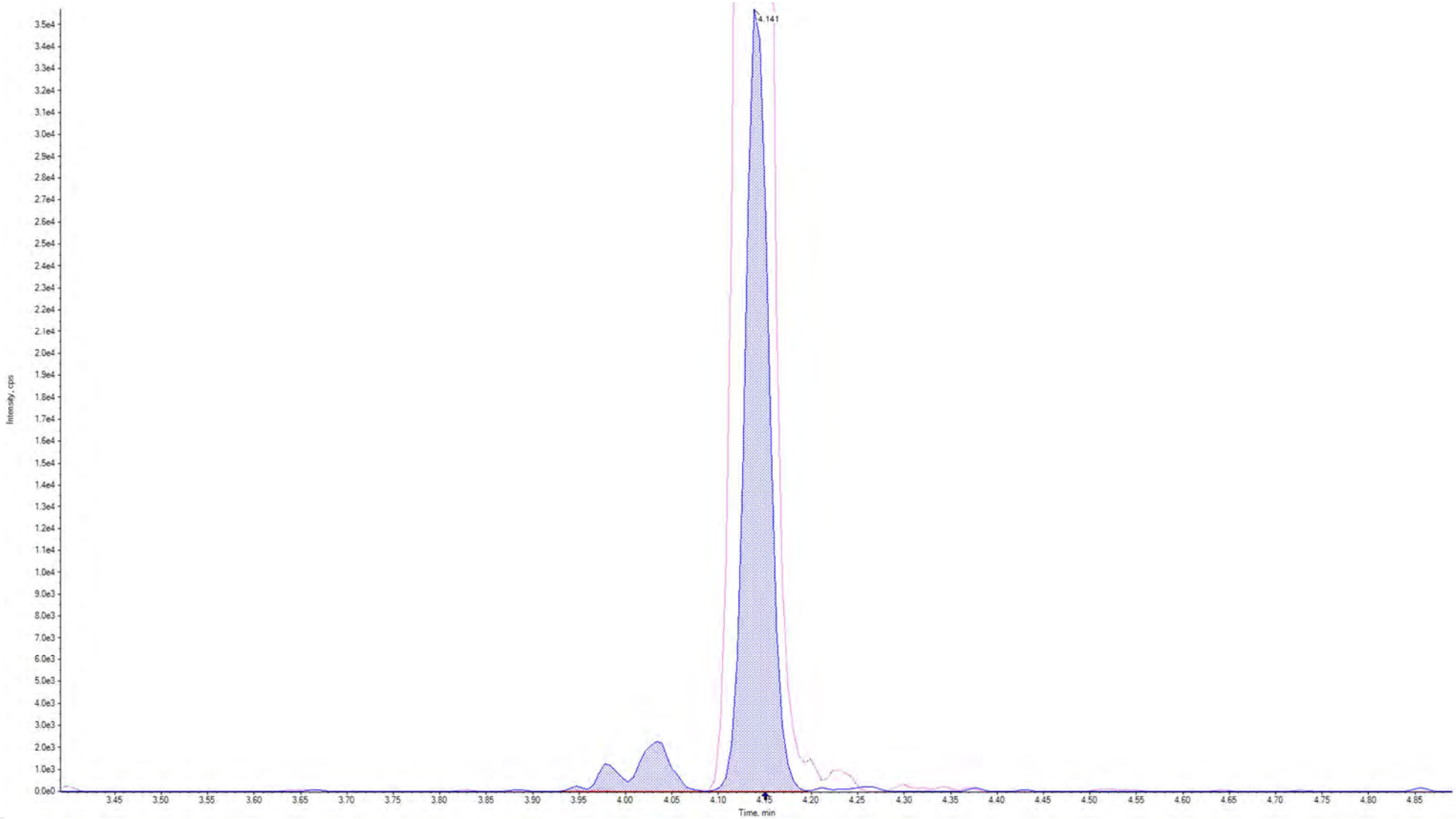
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_27.wiff2_3
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

NMeFOSAA
Sample: IA1633STD-2.5 S/N:651.6 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\250228\SCI07_250228_27.wiff2_3
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

NMeFOSAA_2
Sample: IA1633STD-2.5 S/N:447.3 Points Across peak:46



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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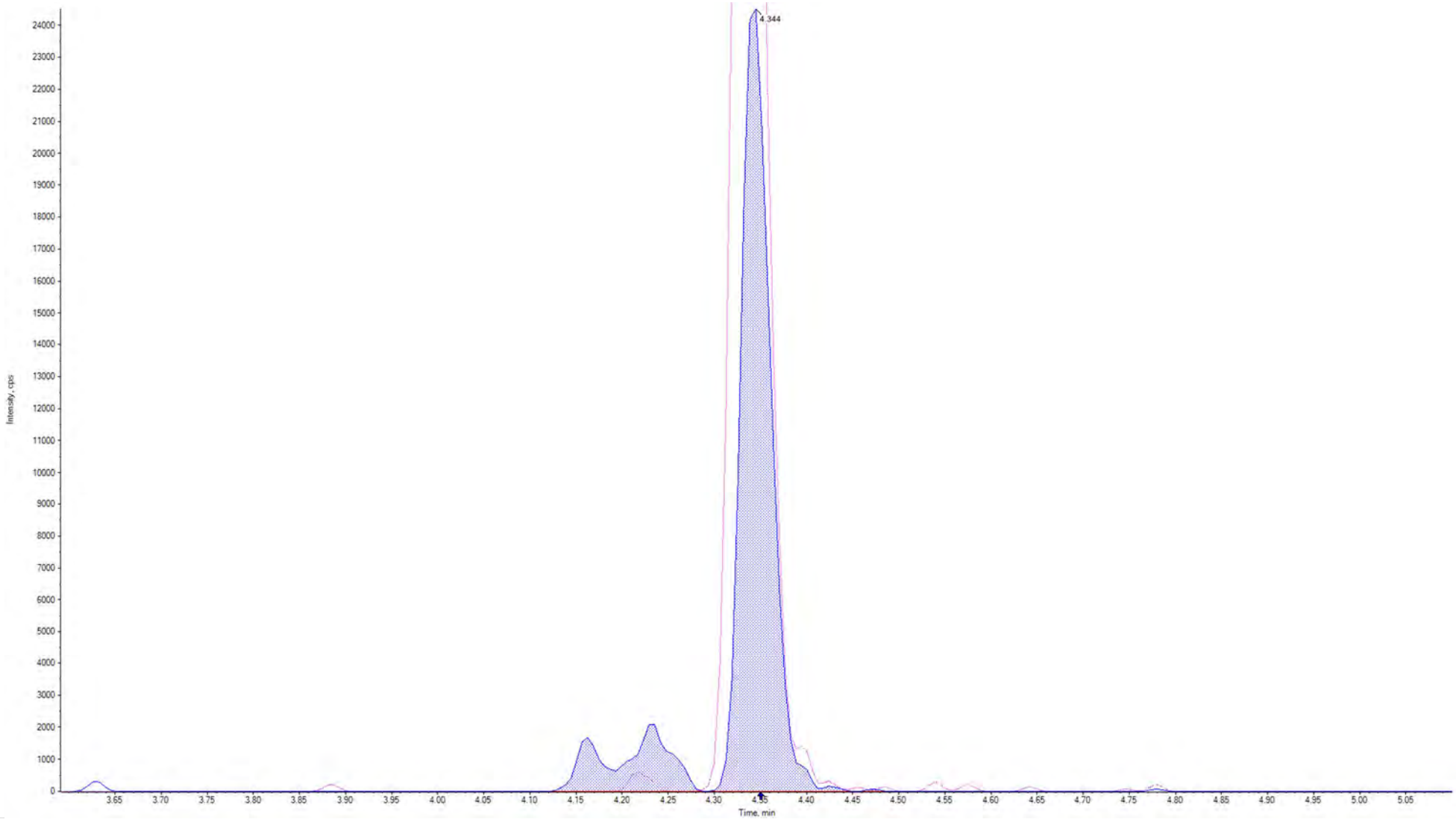
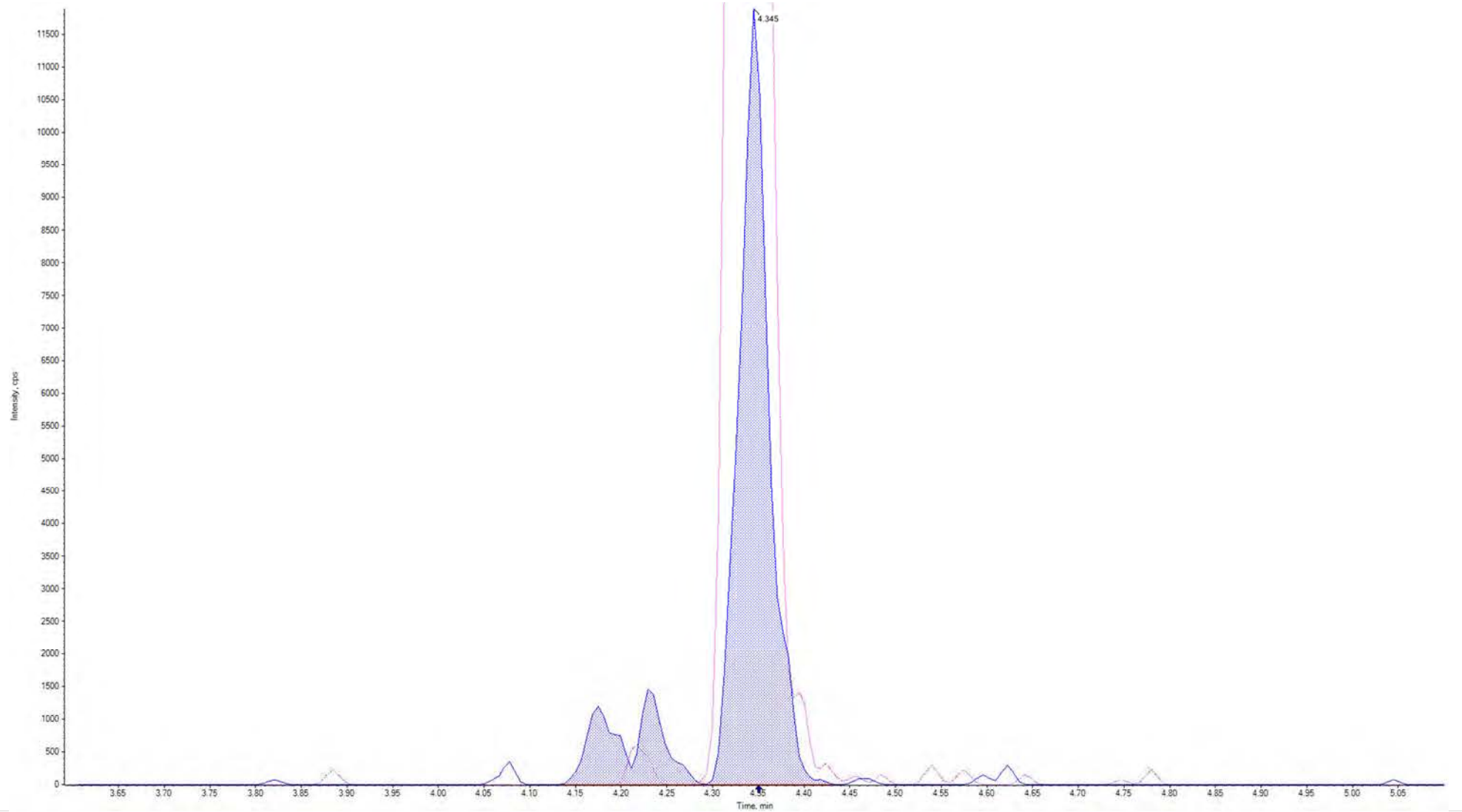
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

NEtFOSAA
Sample: IA1633STD-2.5 S/N:307.0 Points Across peak:71



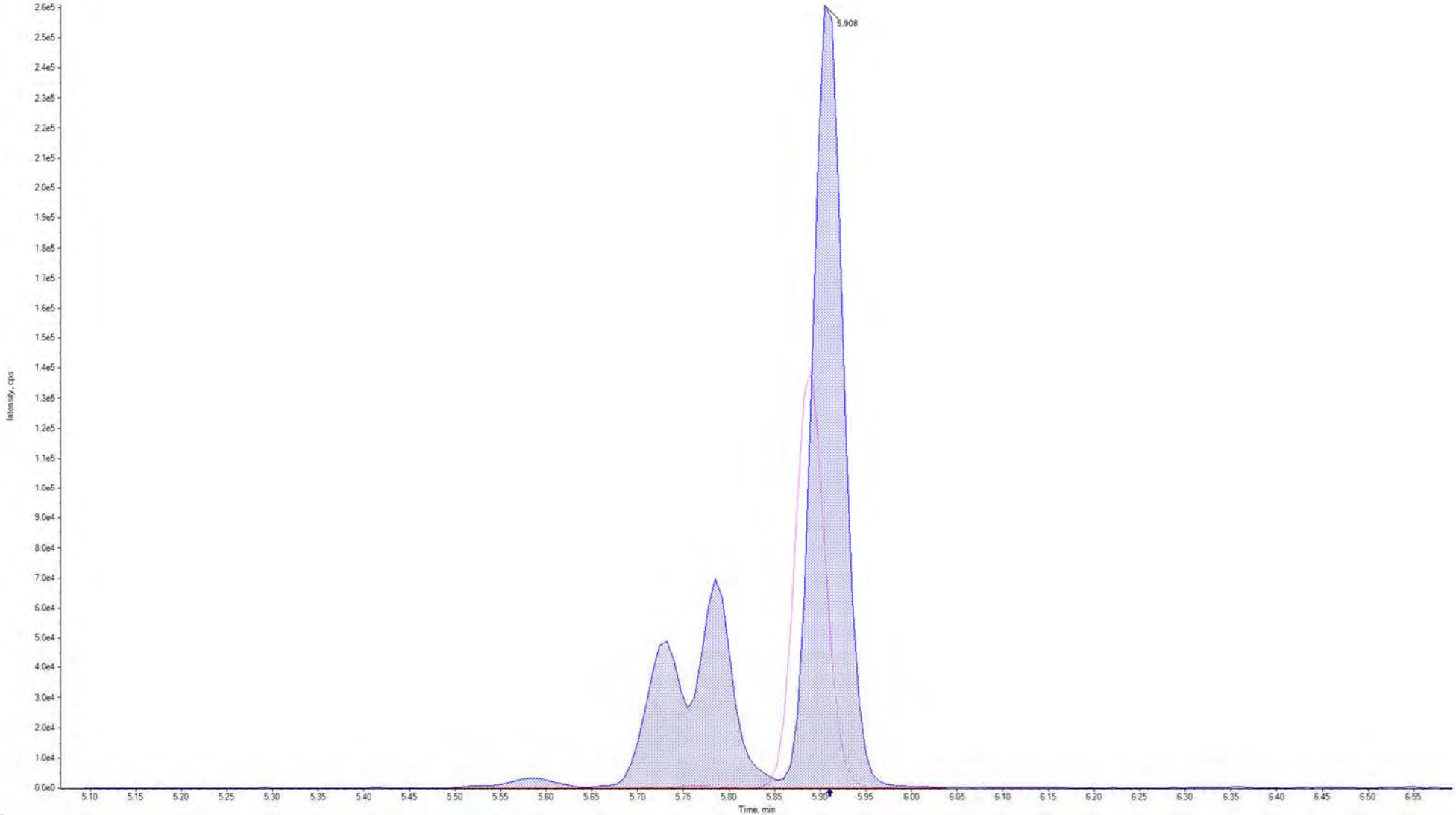
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_27.wiff2_3
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

NEtFOSAA_2
Sample: IA1633STD-2.5 S/N:148.9 Points Across peak:51

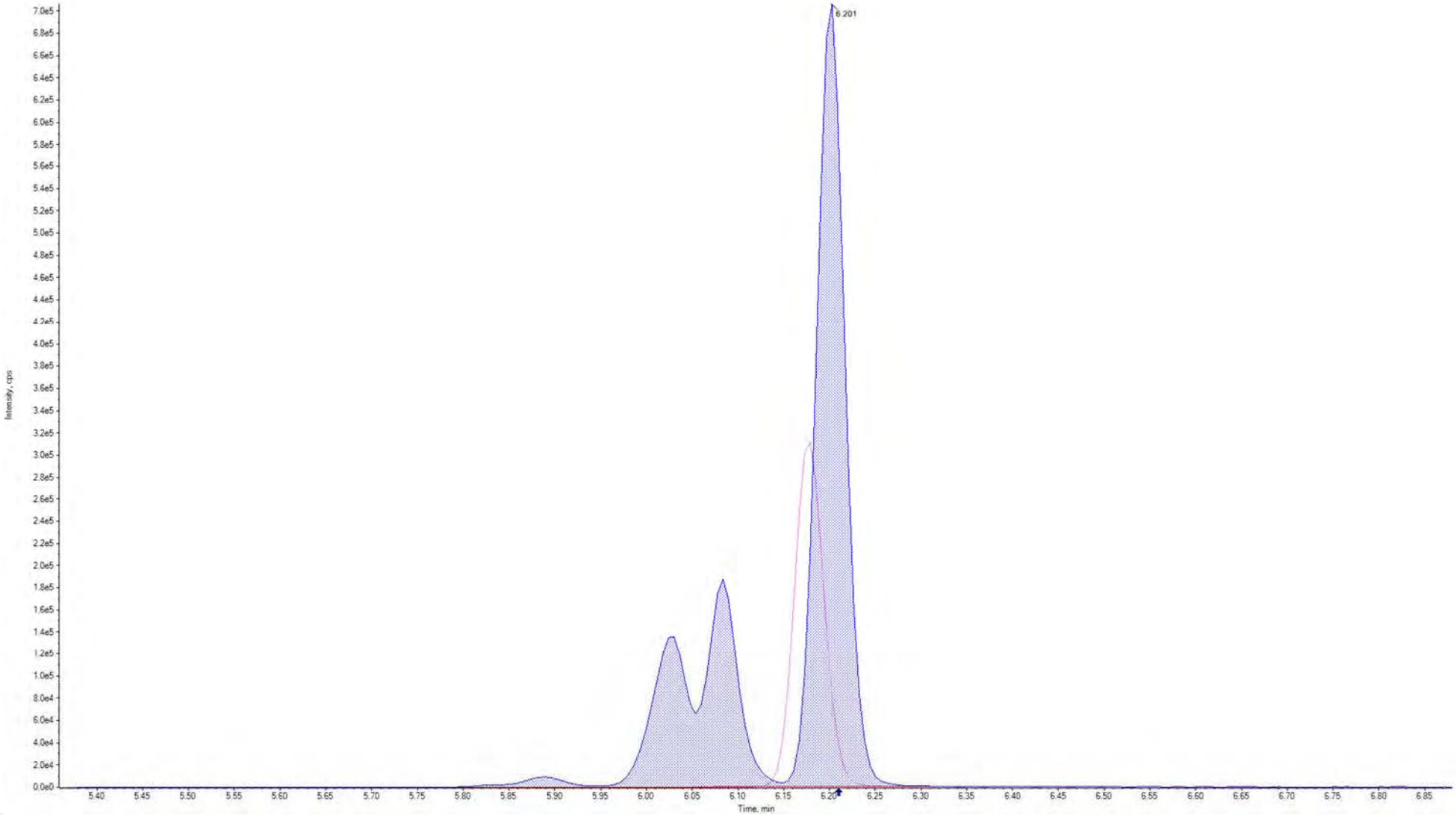


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_27.wiff2_3
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

NMeFOSE
Sample: IA1633STD-2.5 S/N:1070.3 Points Across peak:75



NEtFOSE
Sample: IA1633STD-2.5 S/N:1670.3 Points Across peak:87



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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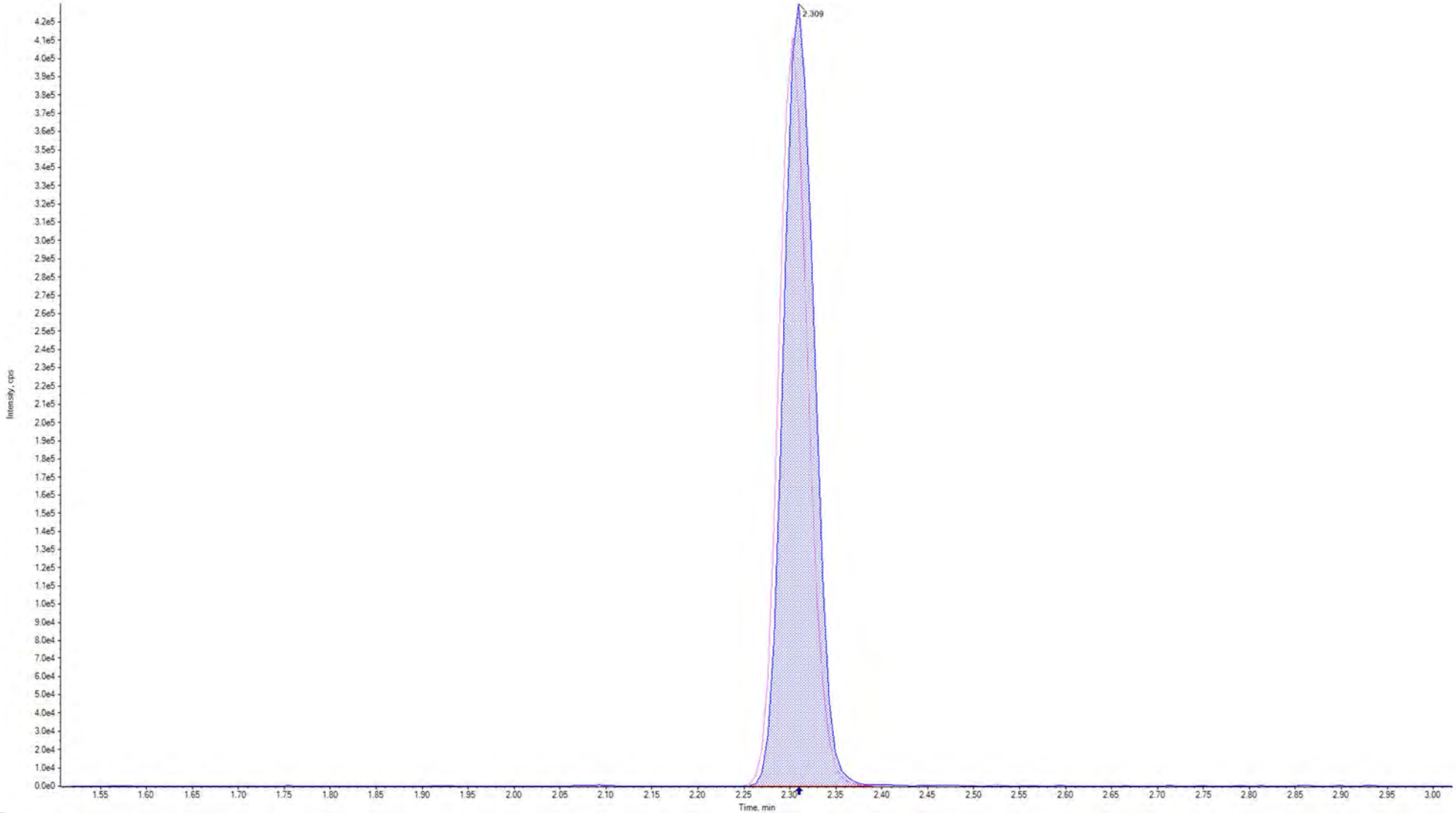
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

HFPO-DA
Sample: IA1633STD-2.5 S/N:5697.1 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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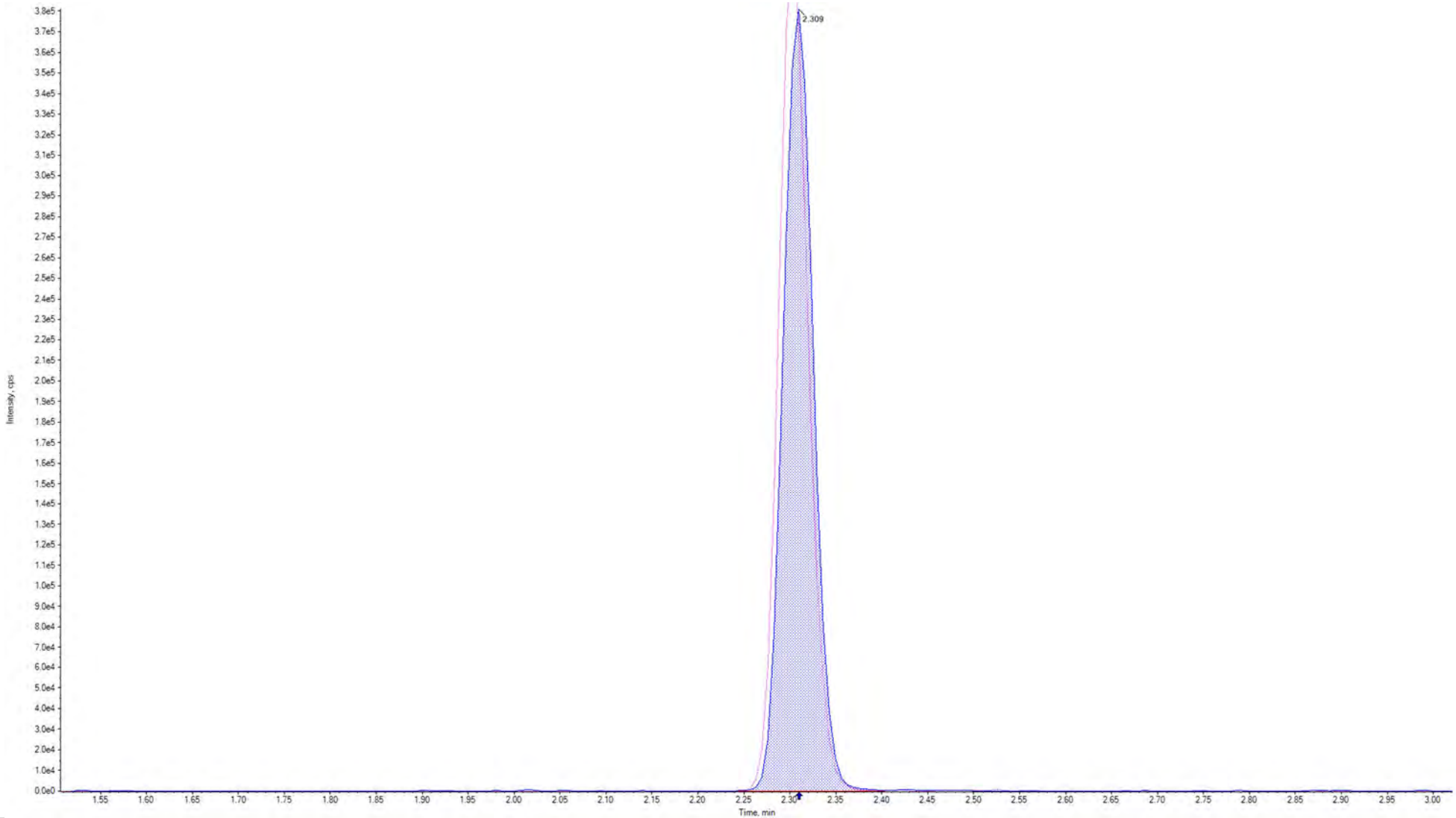
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

HFPO-DA_2
Sample: IA1633STD-2.5 S/N:6682.7 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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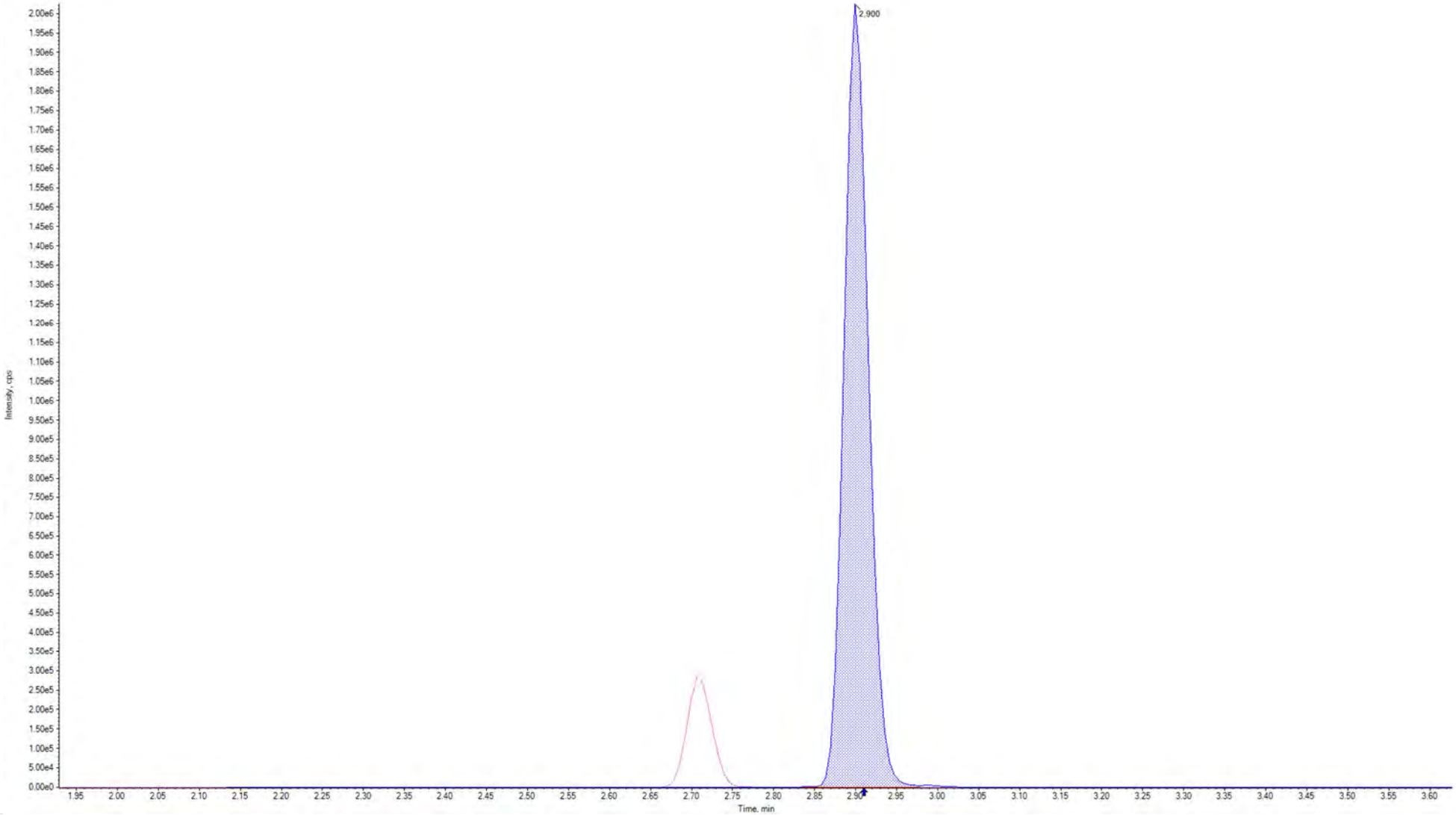
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

ADONA
Sample: IA1633STD-2.5 S/N:25372.2 Points Across peak:33



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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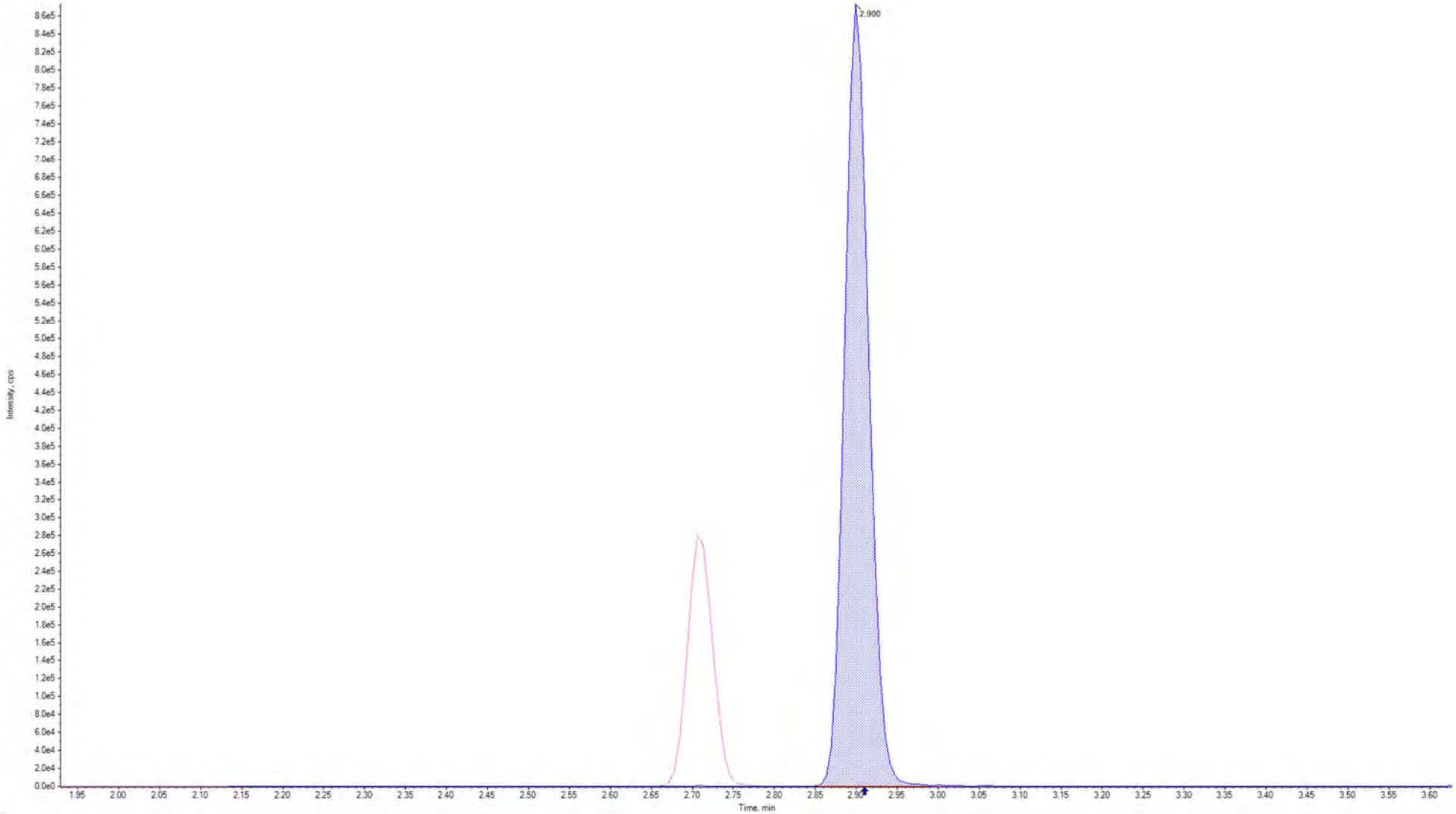
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

ADONA_2
Sample: IA1633STD-2.5 S/N:10942.7 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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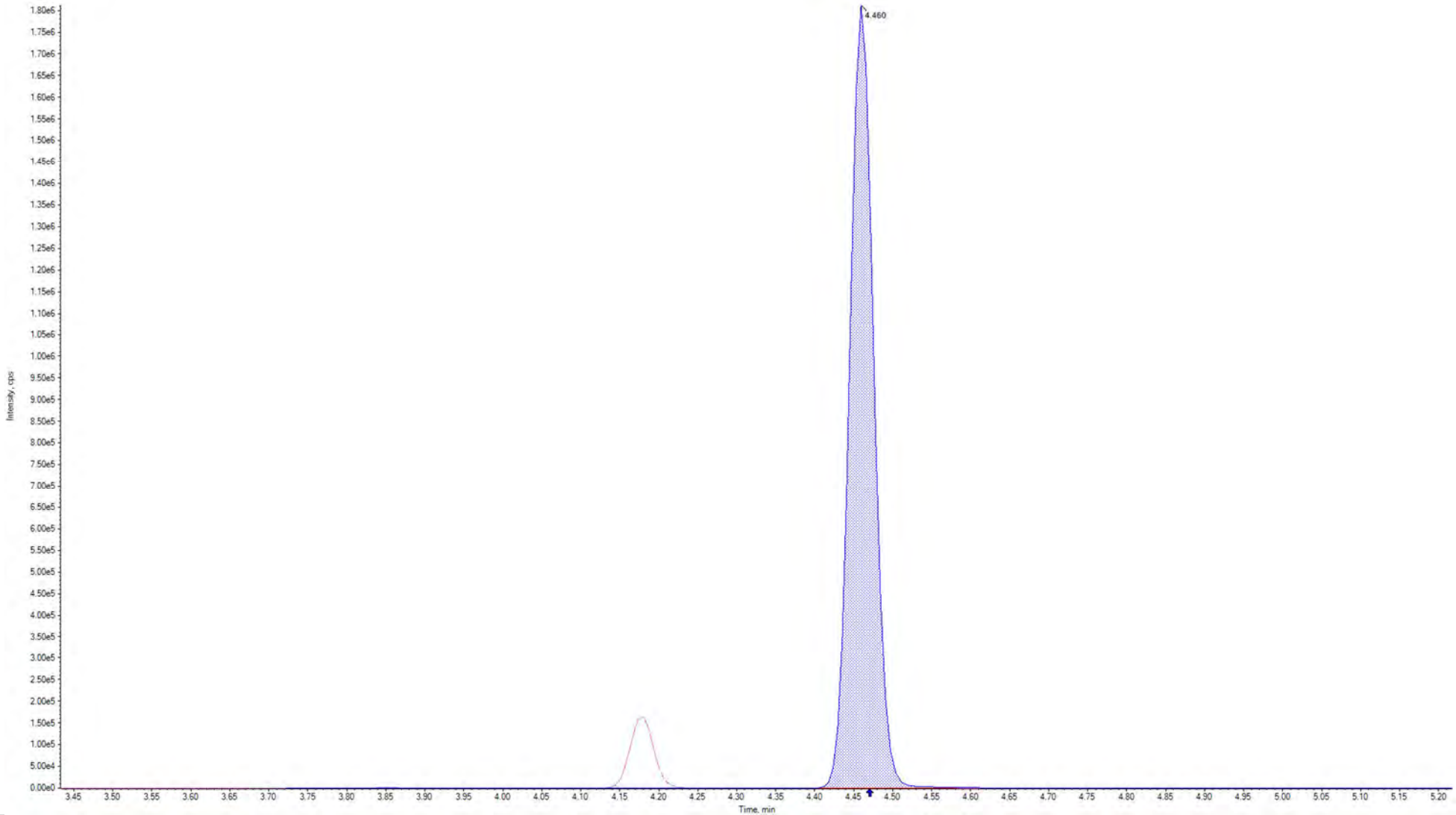
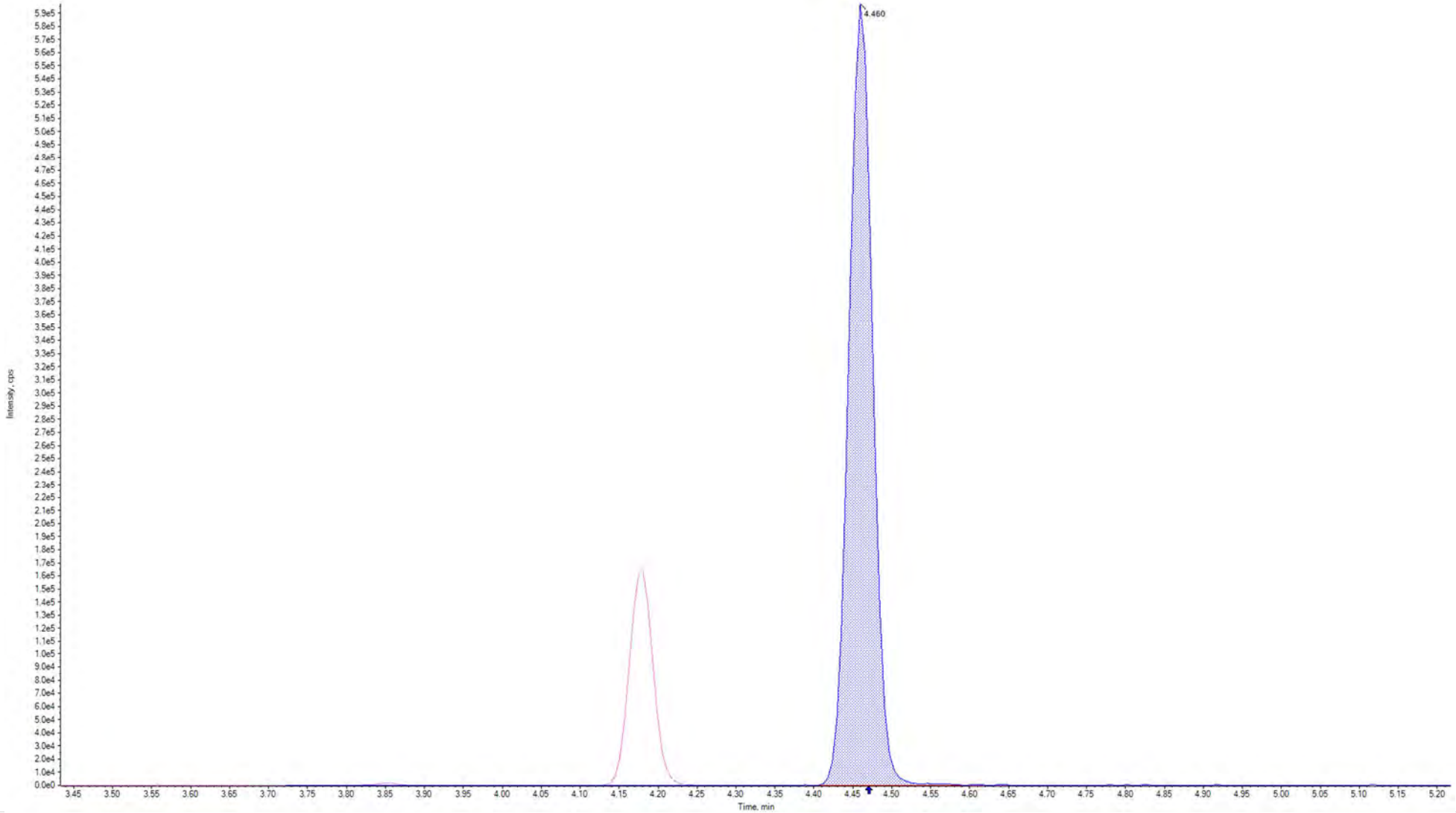
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

9Cl-PF3ONS
Sample: IA1633STD-2.5 S/N:8726.0 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\250228\SCI07_250228_27.wiff2_3
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

9Cl-PF3ONS_2
Sample: IA1633STD-2.5 S/N:8978.0 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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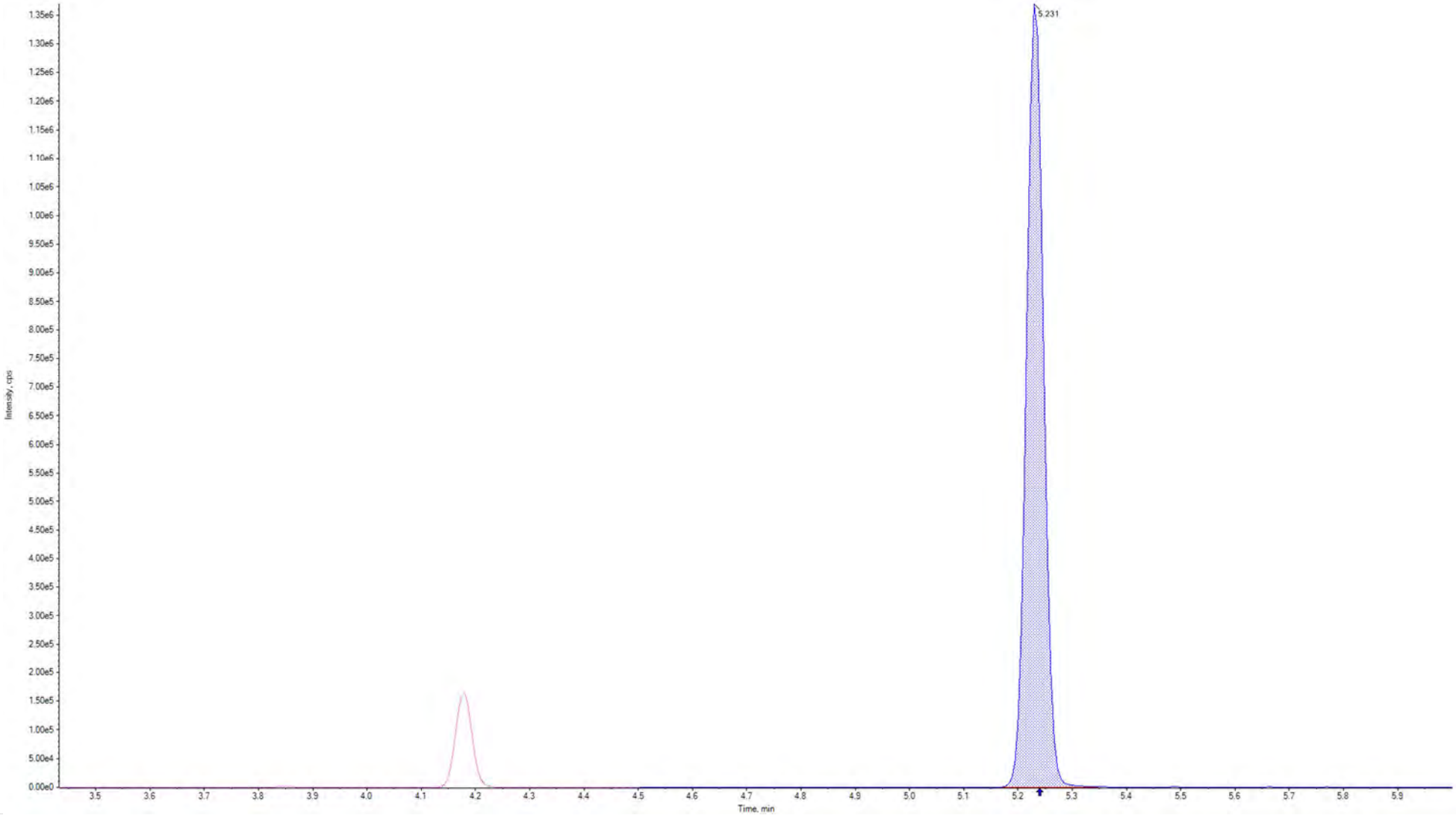
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

11Cl-PF3OUdS
Sample: IA1633STD-2.5 S/N:7843.1 Points Across peak:33



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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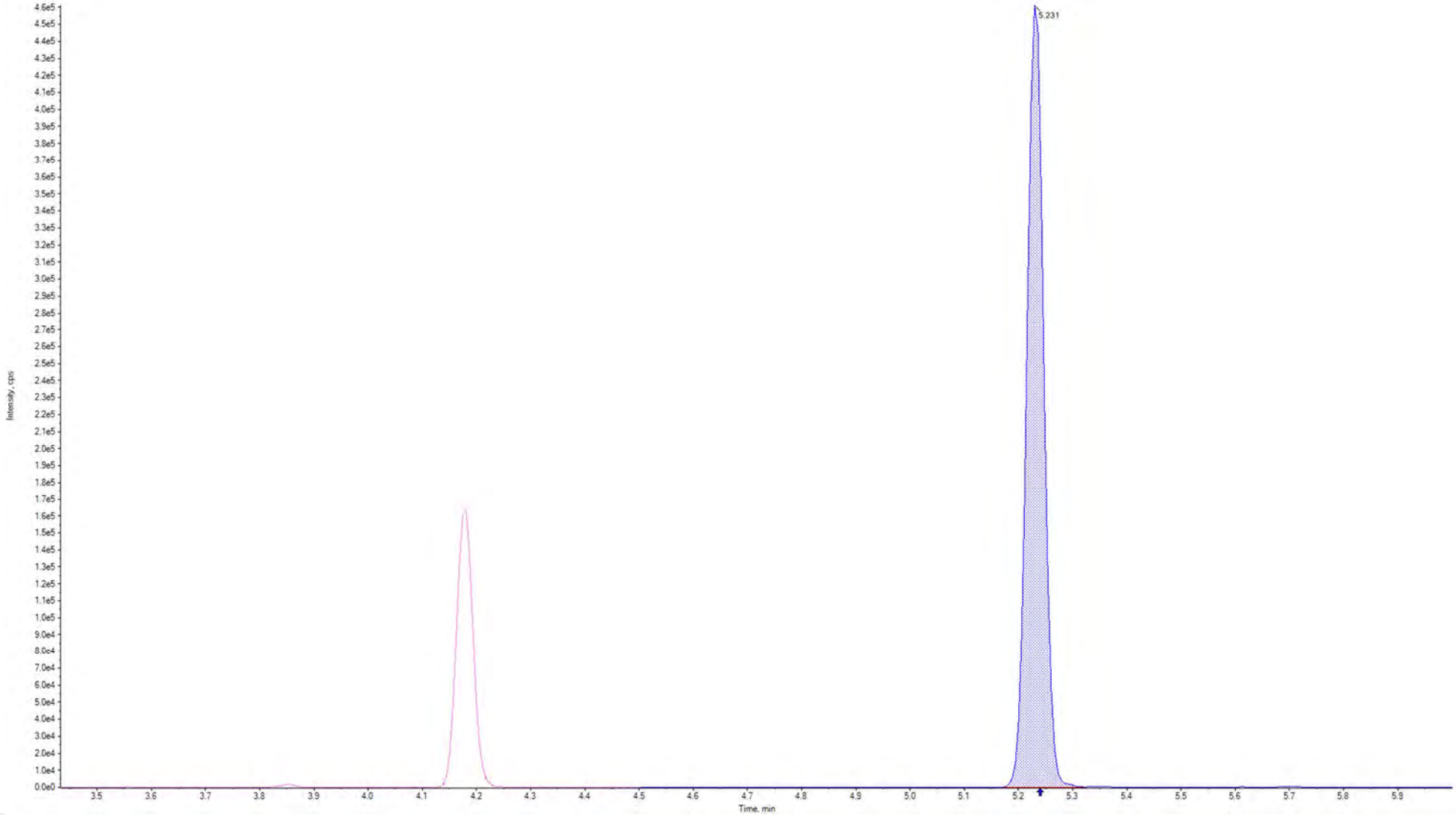
Generated: 2/28/2025 12:43:00 PM

11Cl-PF3OUdS_2
Sample: IA1633STD-2.5 S/N:9245.3 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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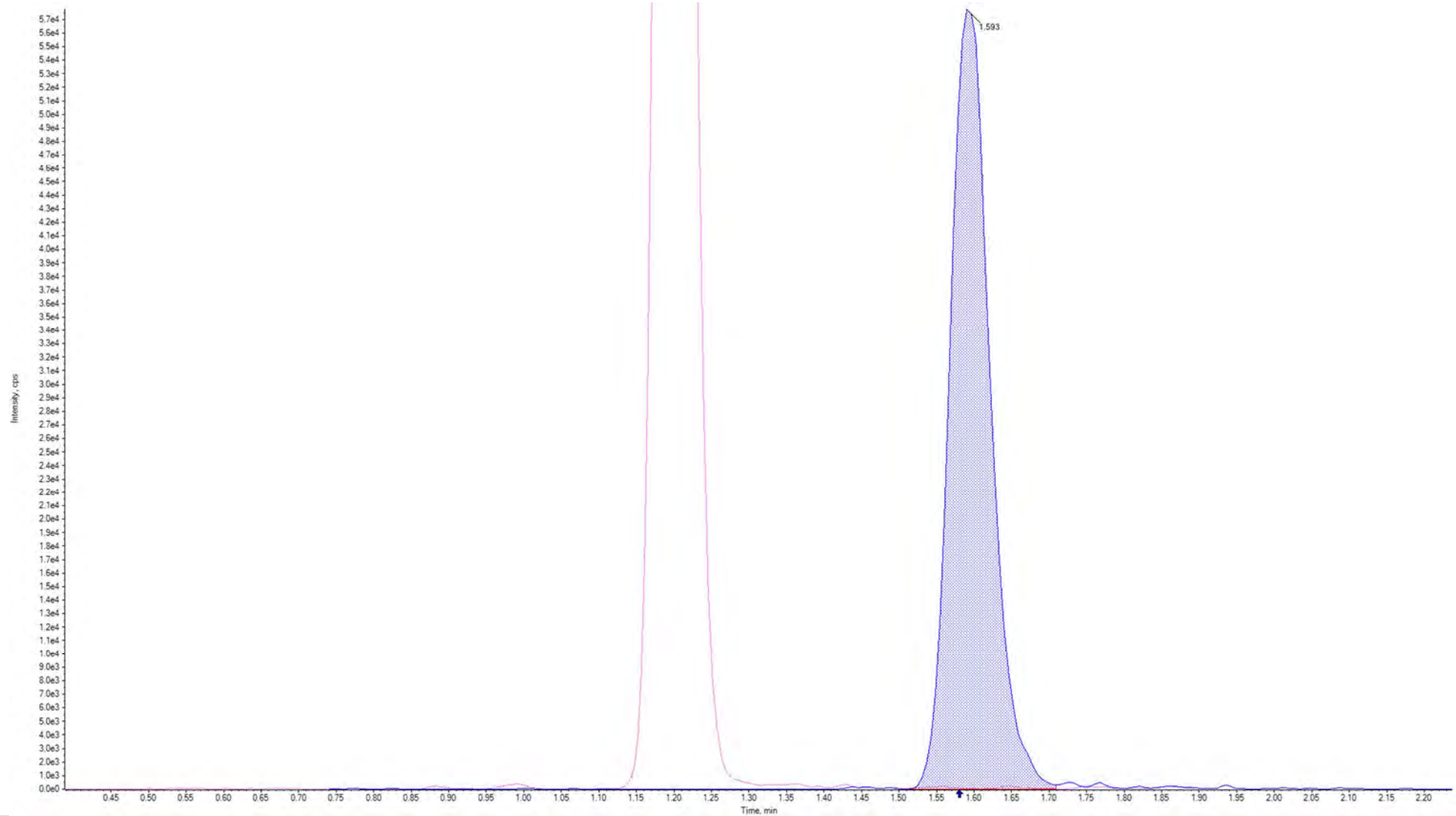
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

3:3FTCA
Sample: IA1633STD-2.5 S/N:2026.6 Points Across peak:33



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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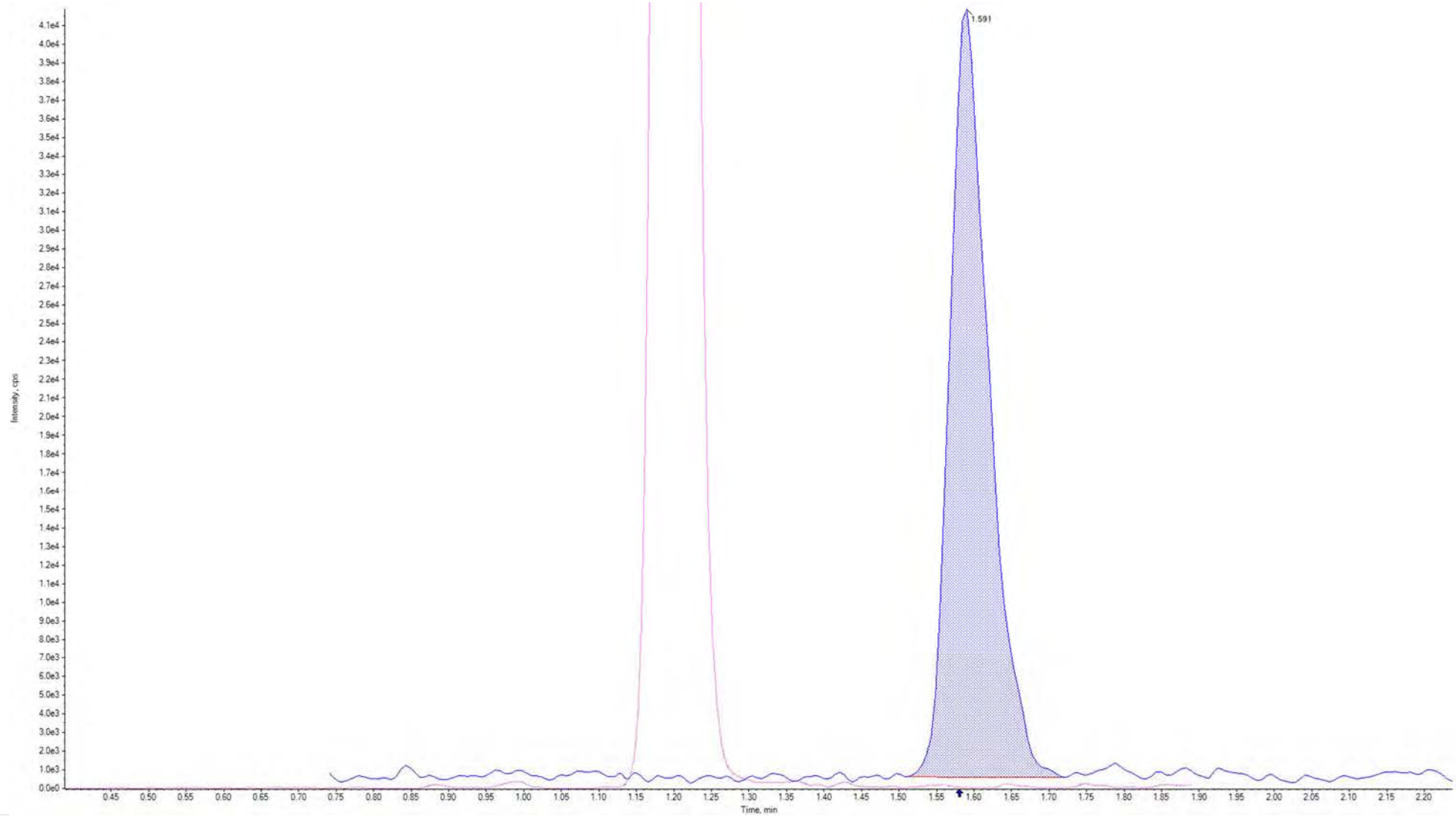
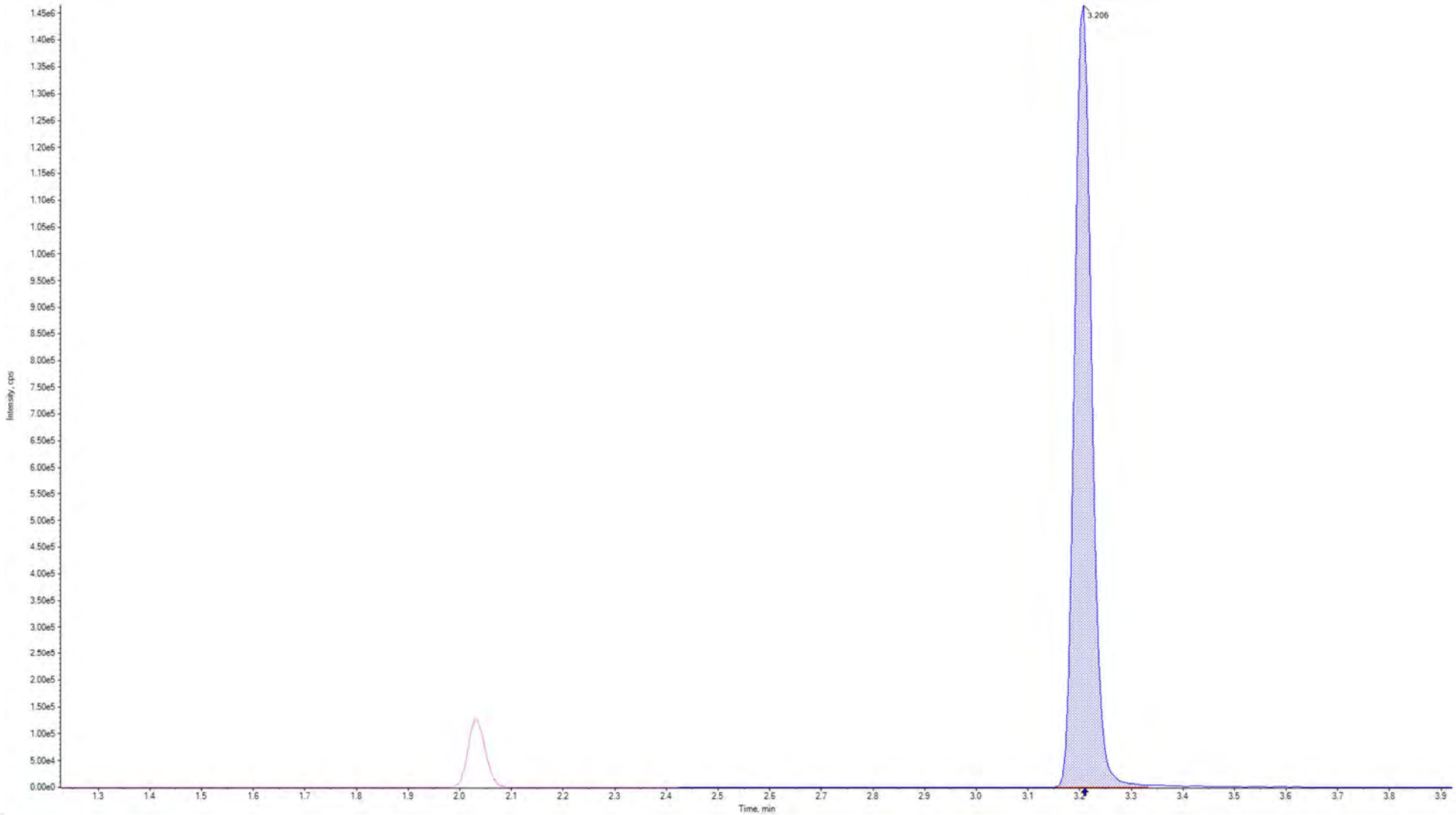
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

3:3FTCA_2
Sample: IA1633STD-2.5 S/N:545.6 Points Across peak:36



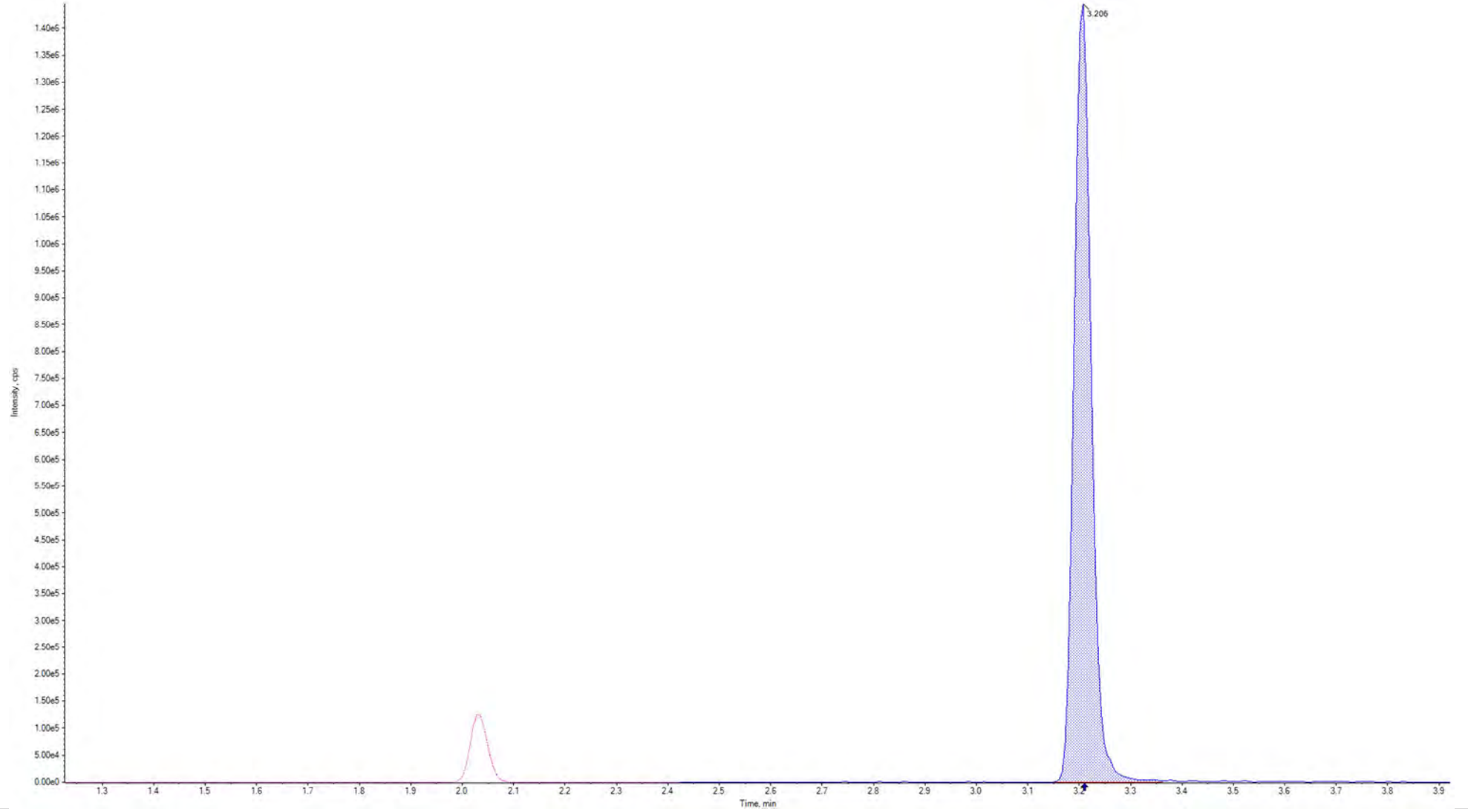
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_27.wiff2_3
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

5:3FTCA
Sample: IA1633STD-2.5 S/N:9113.4 Points Across peak:36



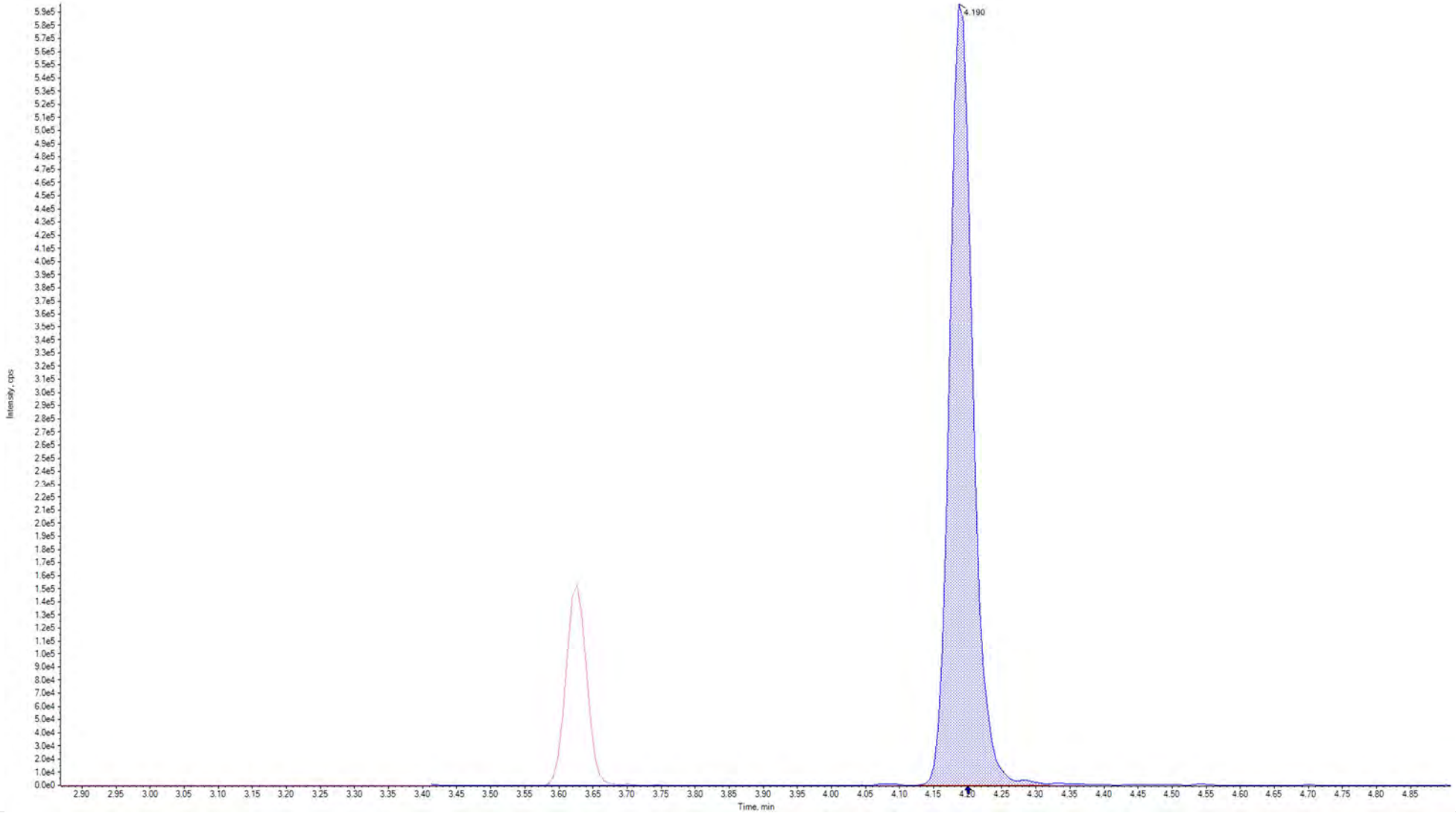
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_27.wiff2_3
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

5:3FTCA_2
Sample: IA1633STD-2.5 S/N:18102.3 Points Across peak:40



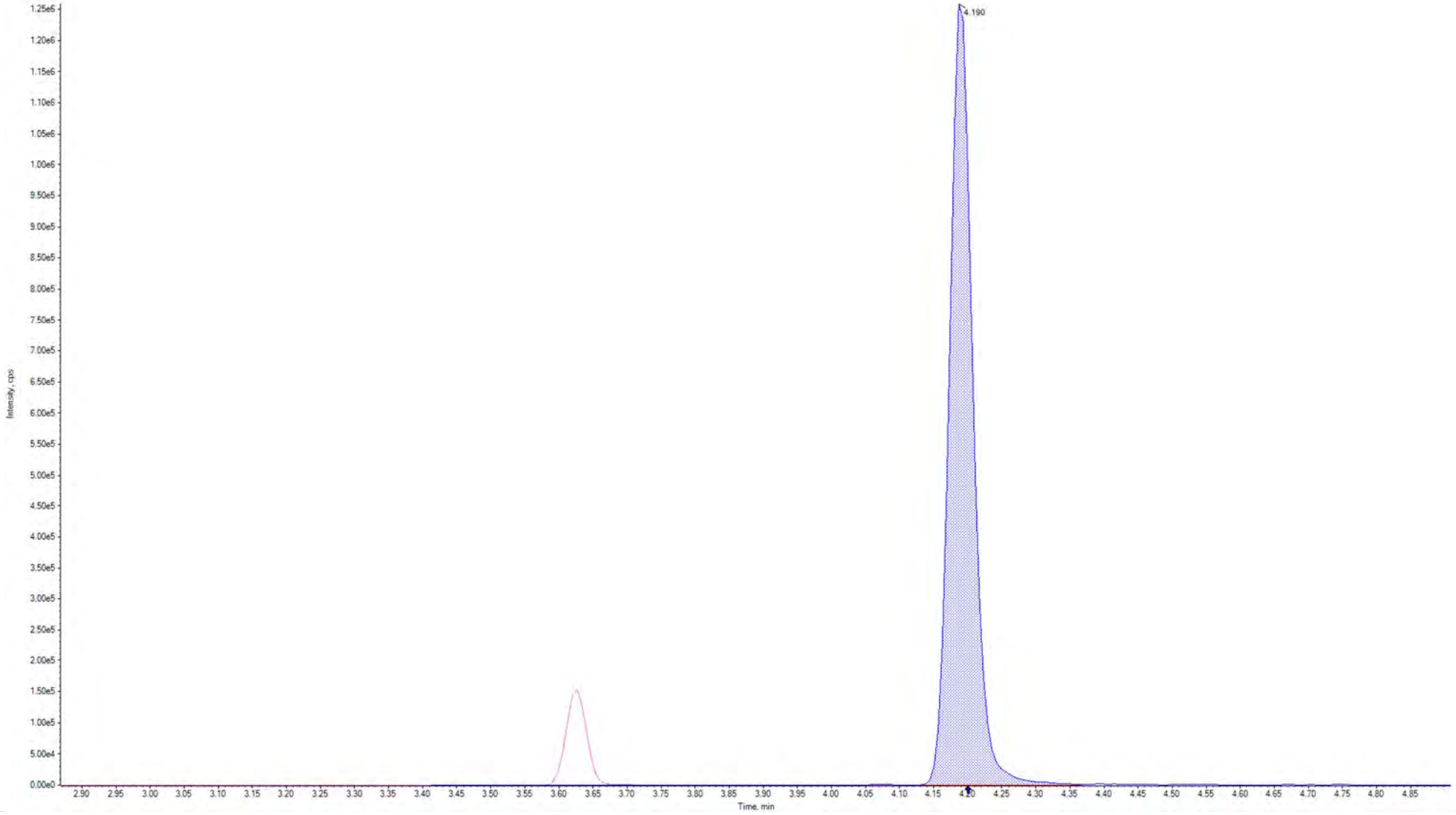
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_27.wiff2_3
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

7:3FTCA
Sample: IA1633STD-2.5 S/N:5328.5 Points Across peak:34



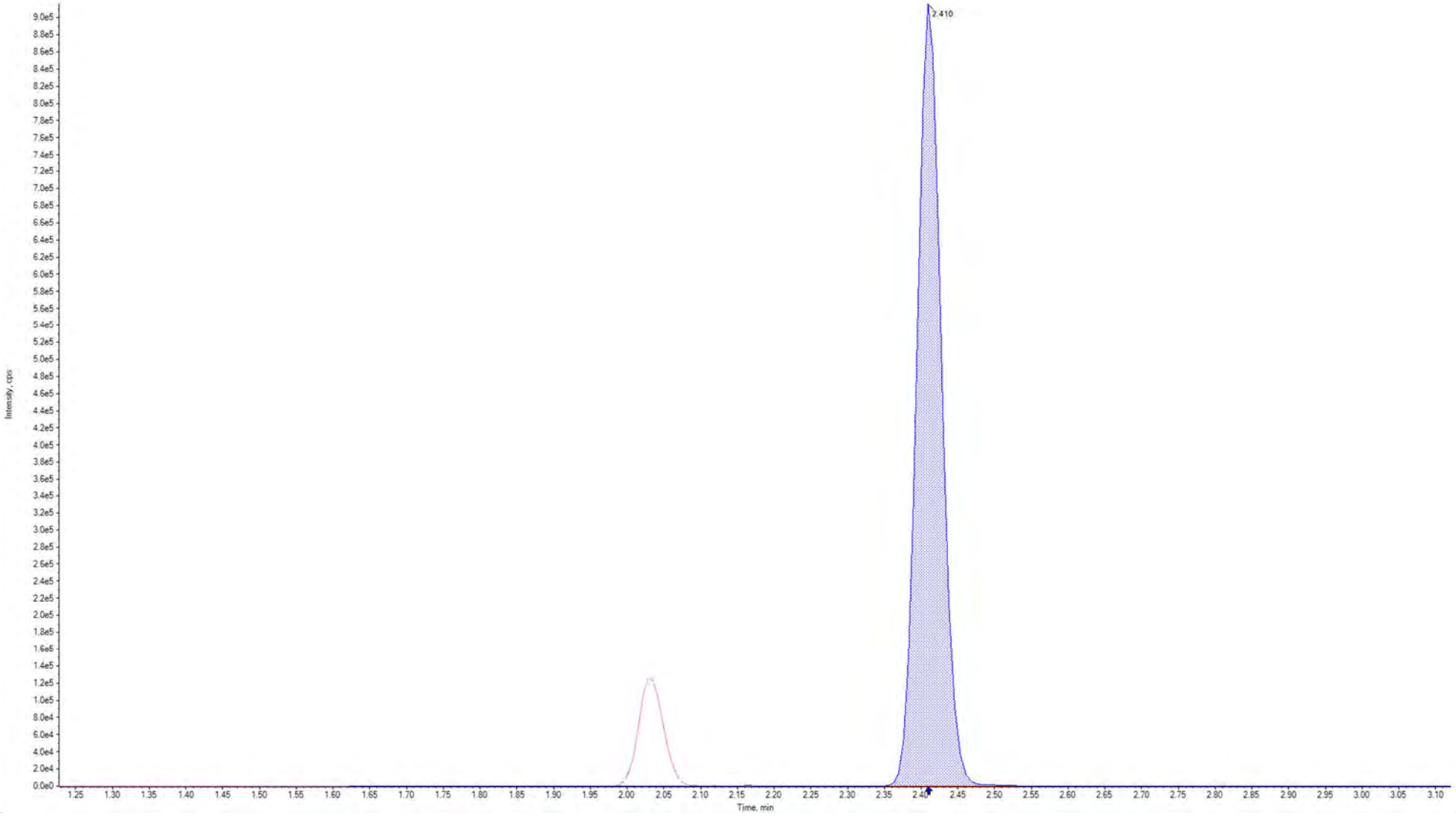
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_27.wiff2_3
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

7:3FTCA_2
Sample: IA1633STD-2.5 S/N:4550.3 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\250228\SCI07_250228_27.wiff2_3
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFEESA
Sample: IA1633STD-2.5 S/N:11884.7 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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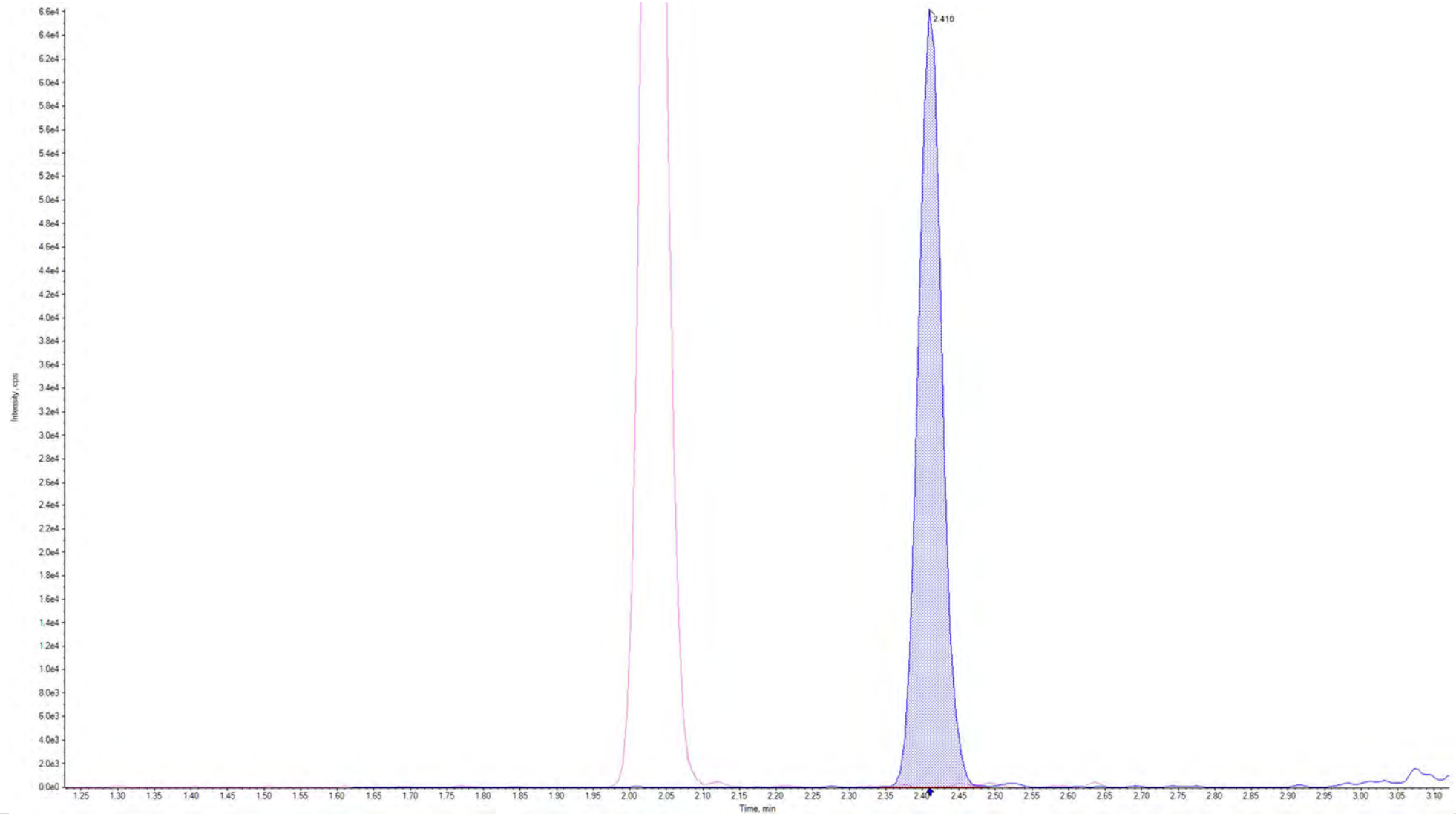
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFEESA_2
Sample: IA1633STD-2.5 S/N:1161.9 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/1/2025 7:32:04 AM
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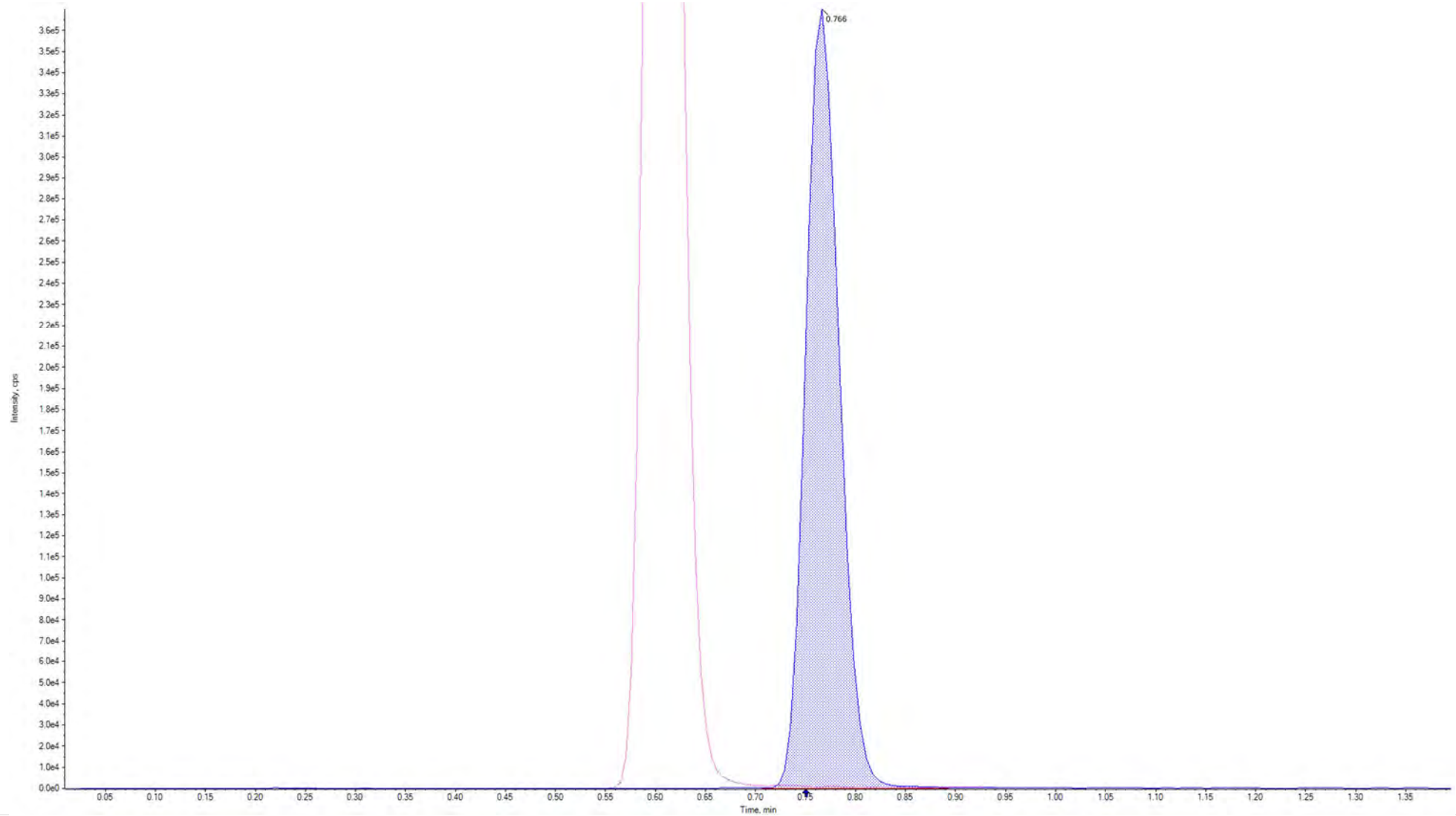
PFMPA
Sample: IA1633STD-2.5 S/N:4048.3 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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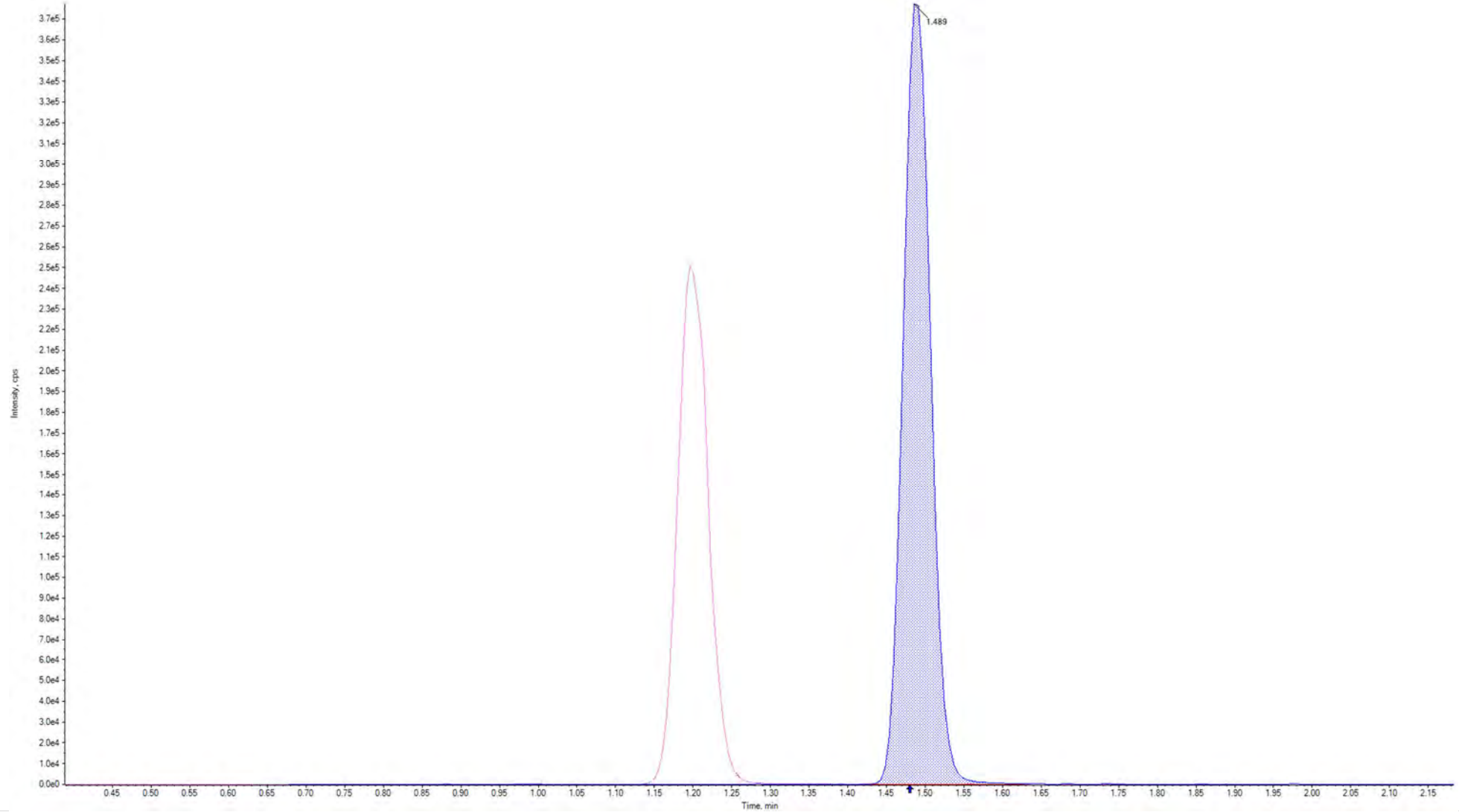
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFMBA
Sample: IA1633STD-2.5 S/N:7271.3 Points Across peak:38



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/1/2025 7:32:04 AM
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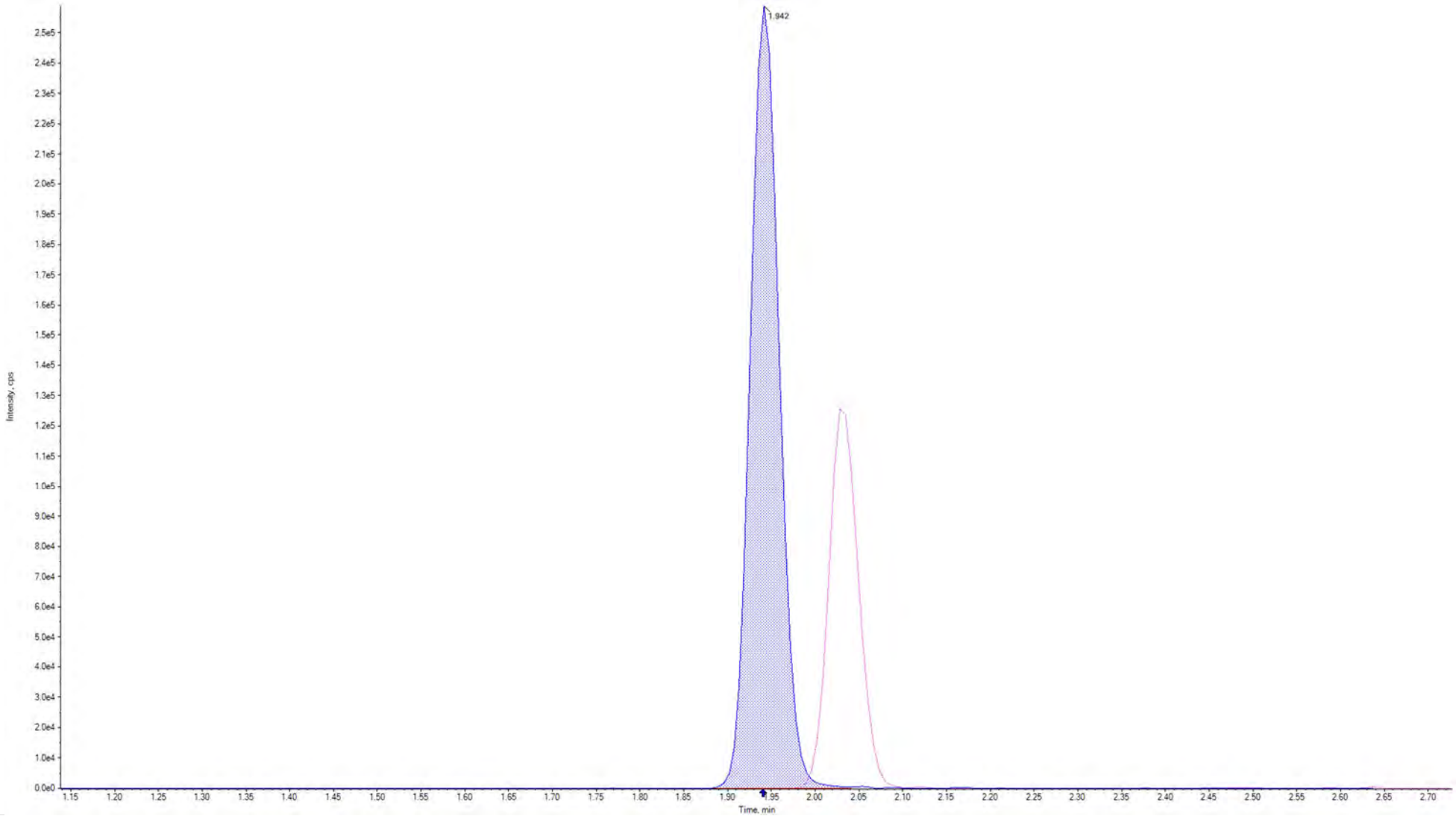
NFDHA
Sample: IA1633STD-2.5 S/N:5836.7 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/1/2025 7:32:04 AM
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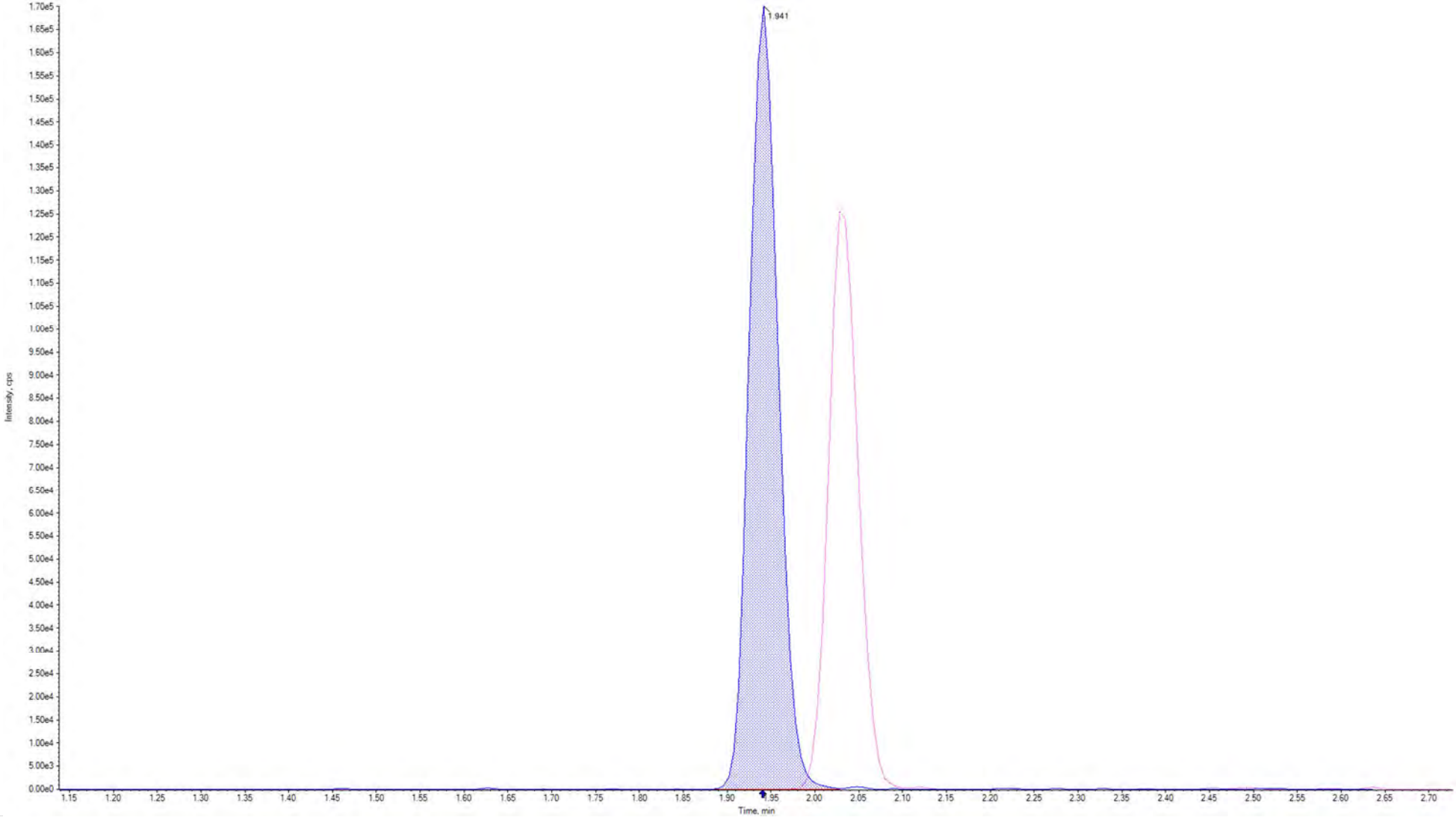
NFDHA_2
Sample: IA1633STD-2.5 S/N:3836.3 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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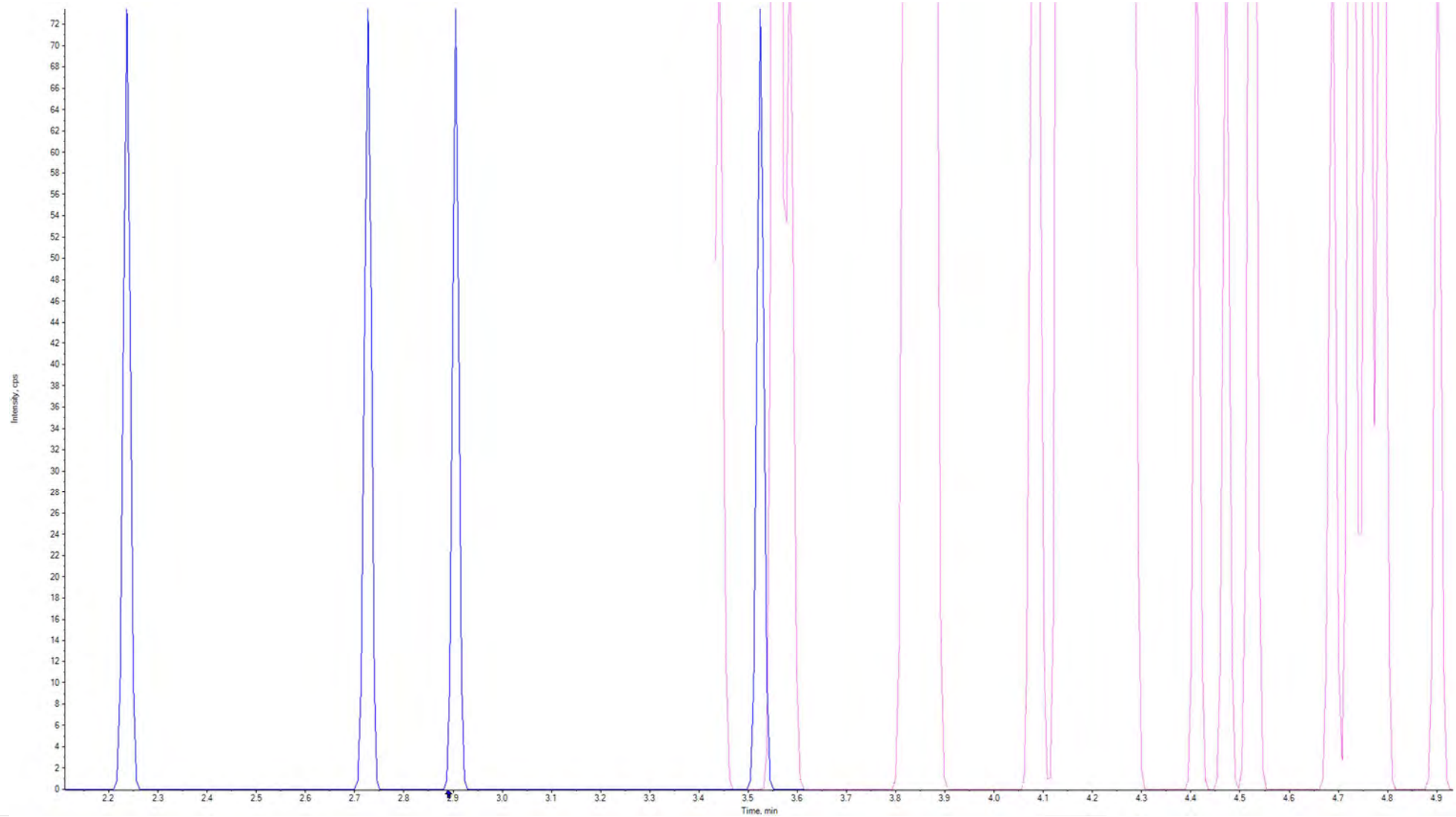
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

TDCA
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
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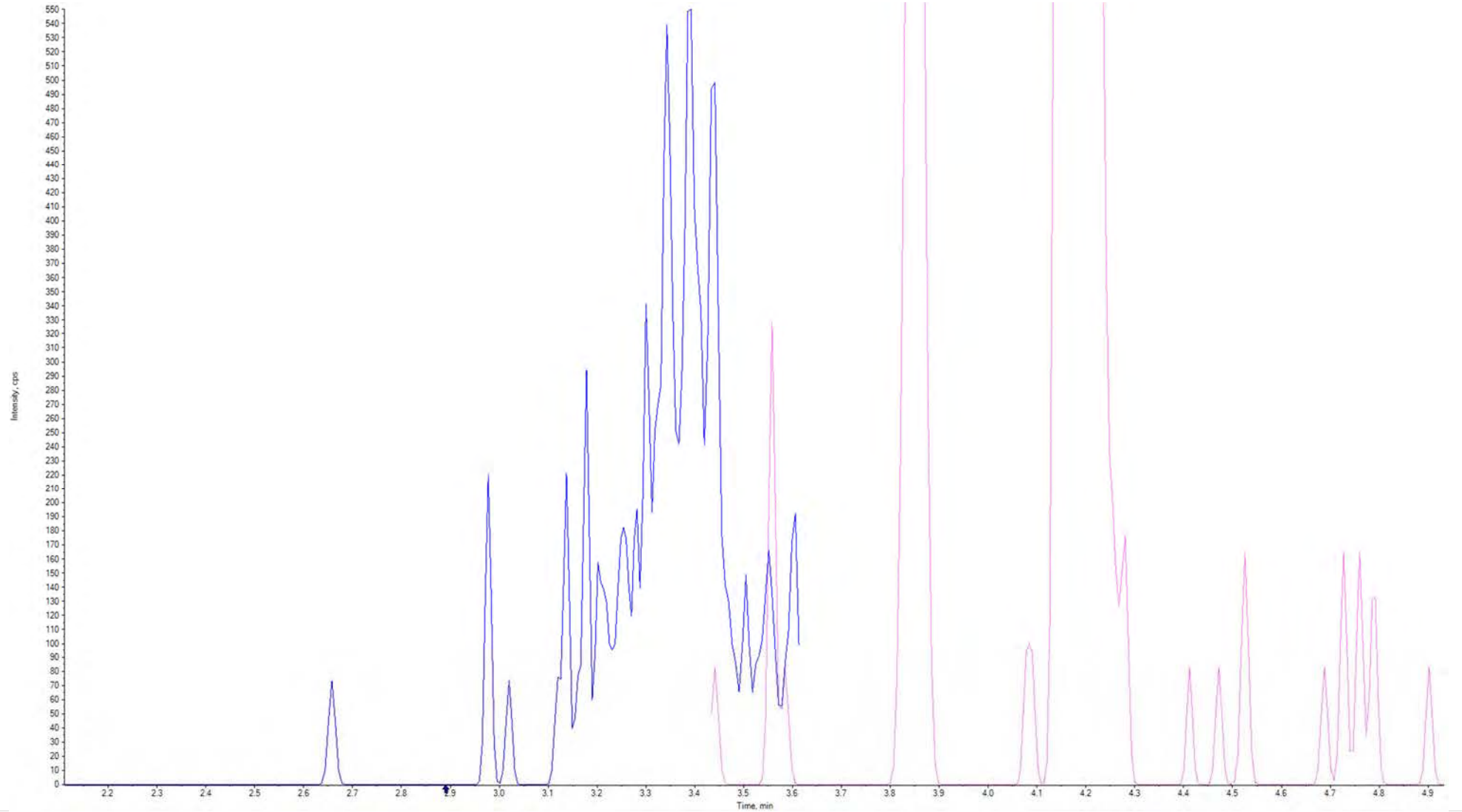
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

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
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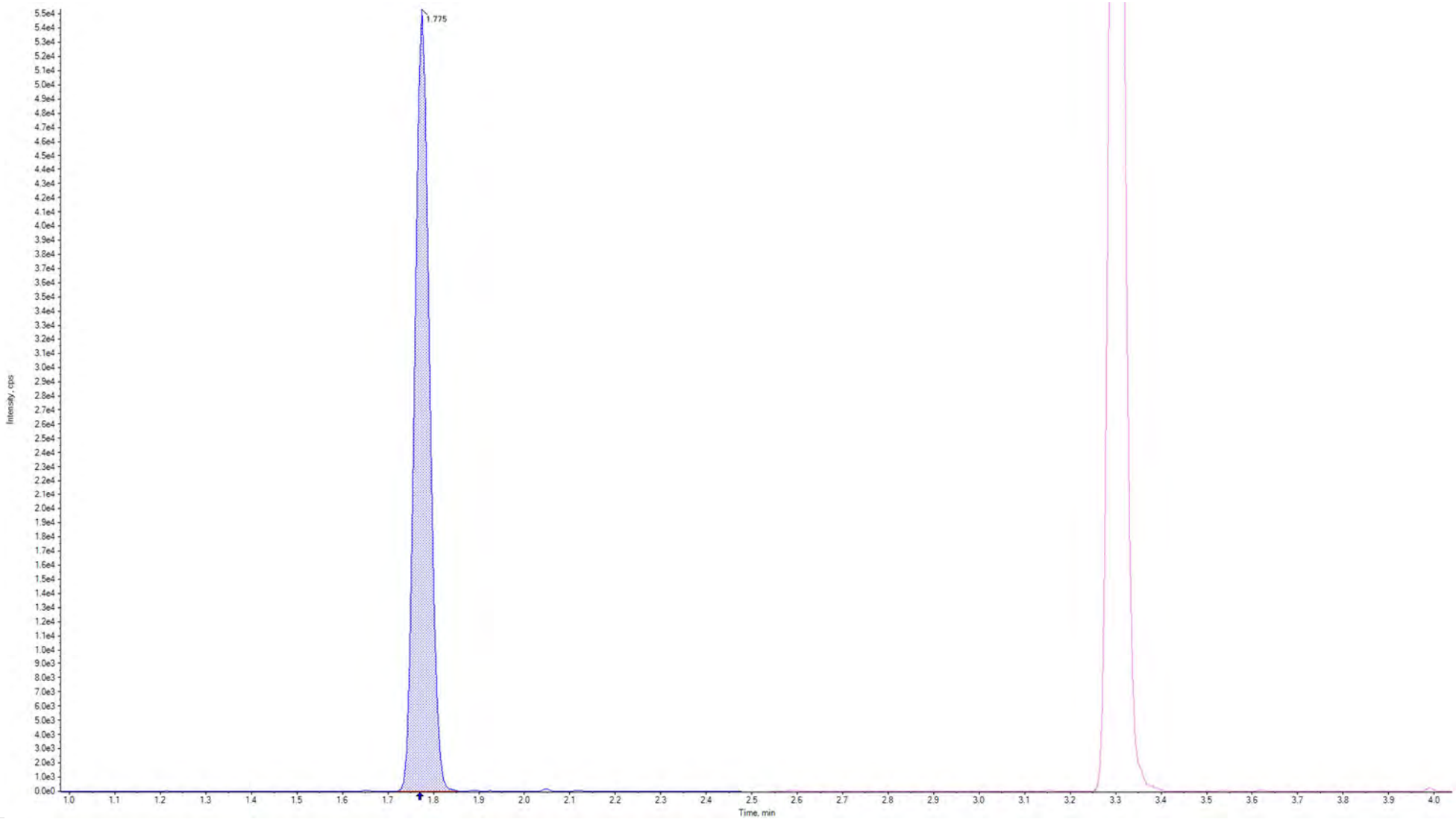
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

13C2D4-4:2FTS
Sample: IA1633STD-2.5 S/N:1525.2 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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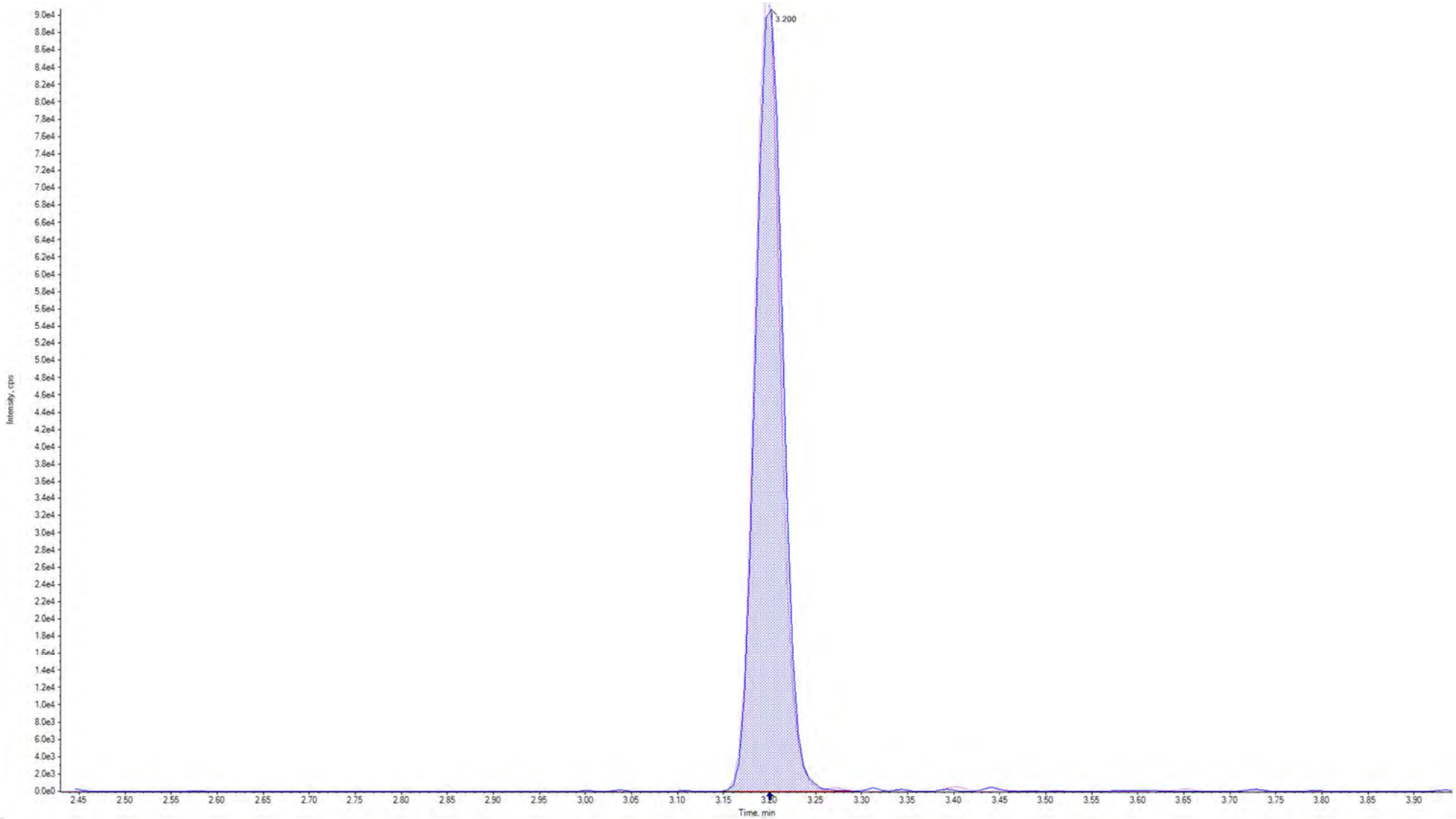
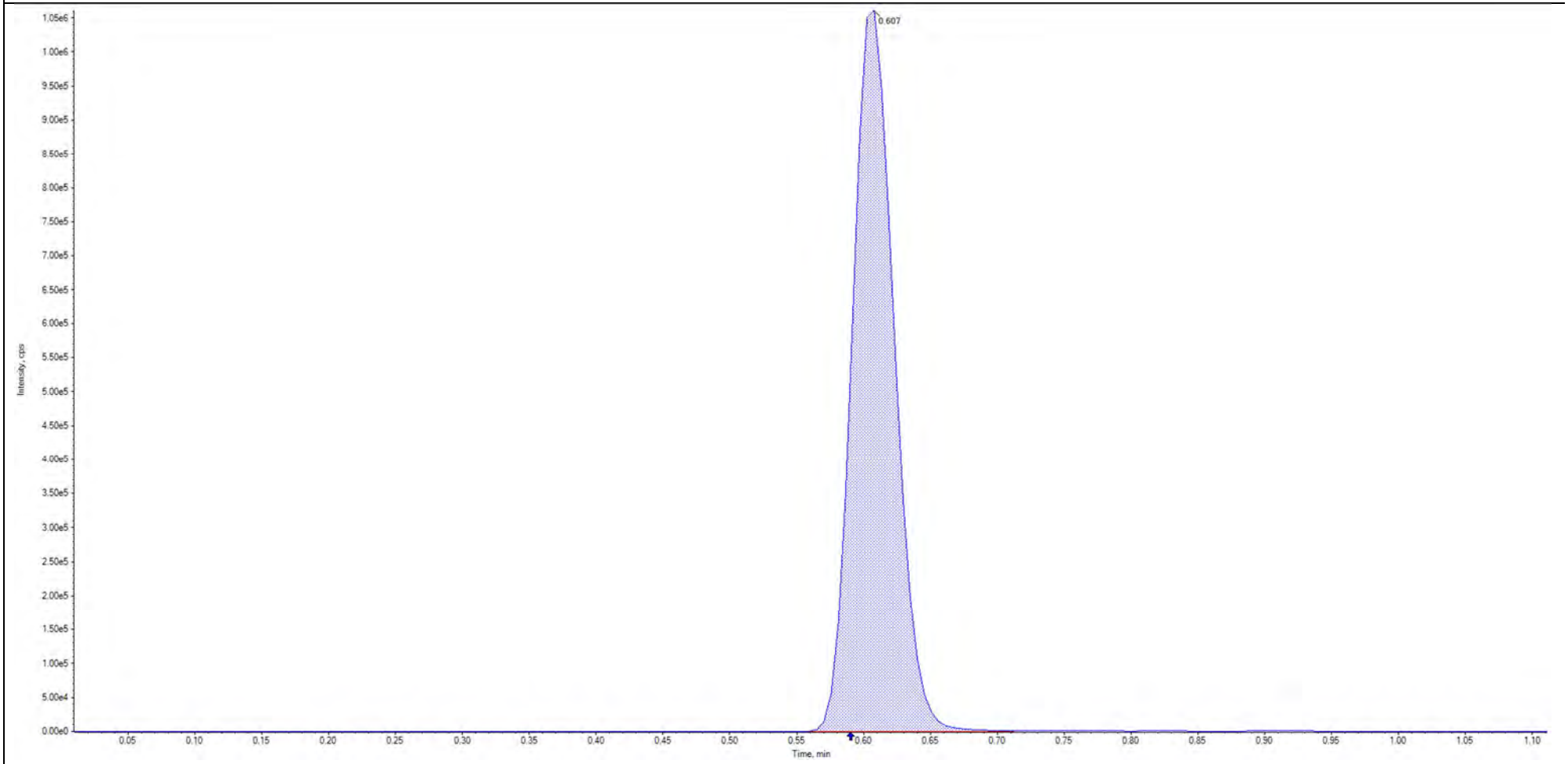
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

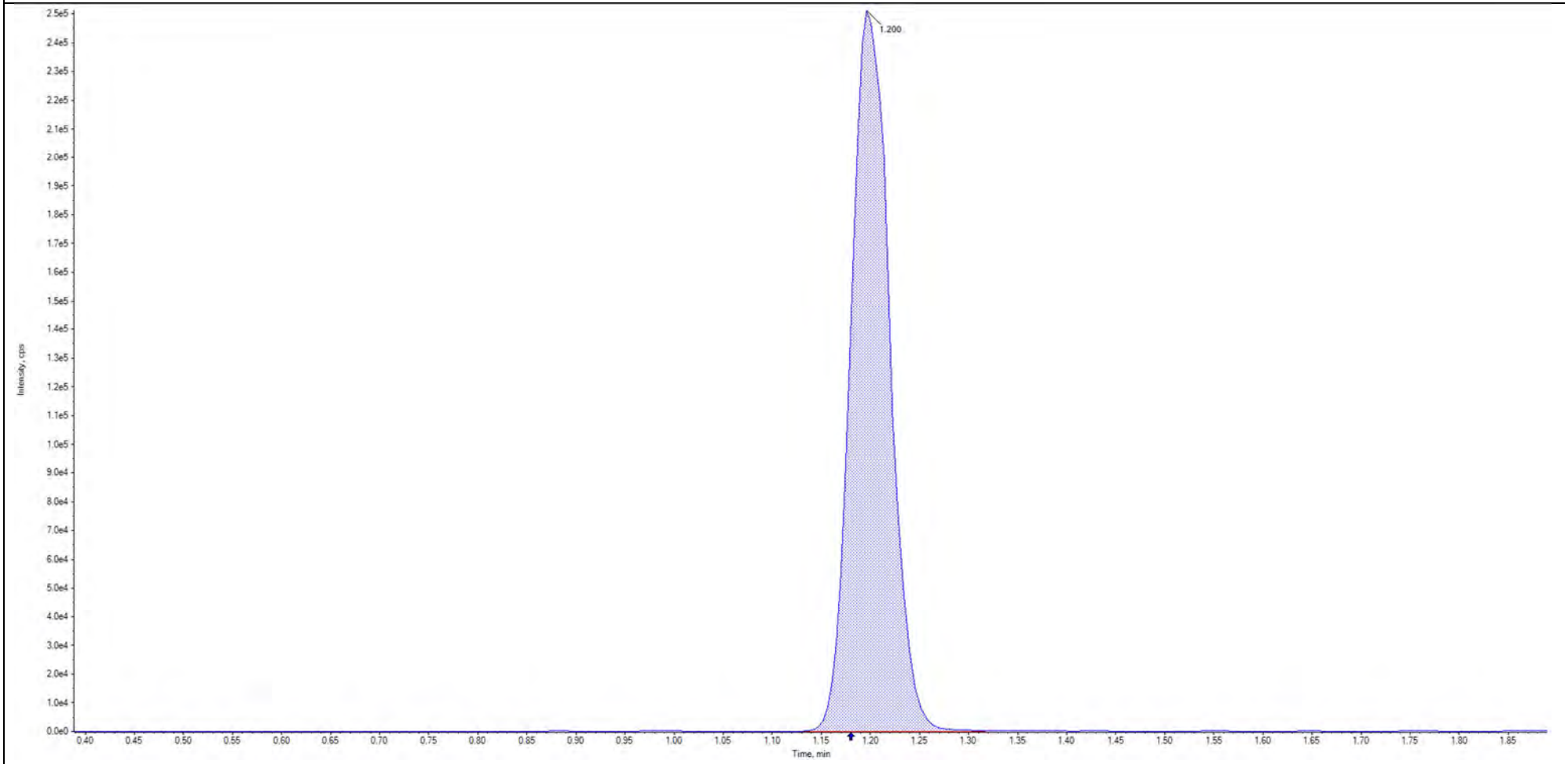
13C2-PFOA
Sample: IA1633STD-2.5 S/N:1136.6 Points Across peak:29



13C4-PFBA
Sample: IA1633STD-2.5



13C5-PFPeA
Sample: IA1633STD-2.5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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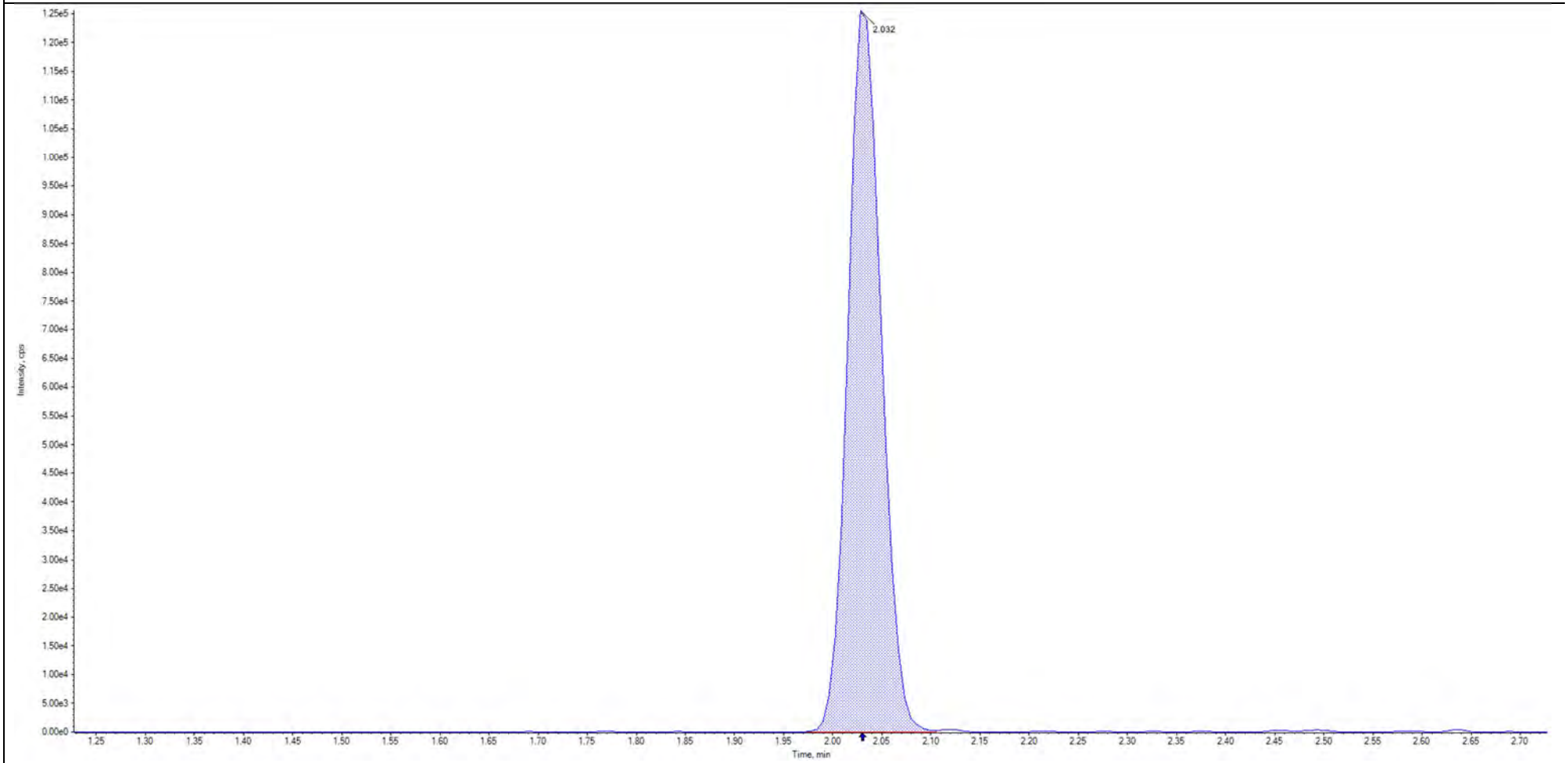
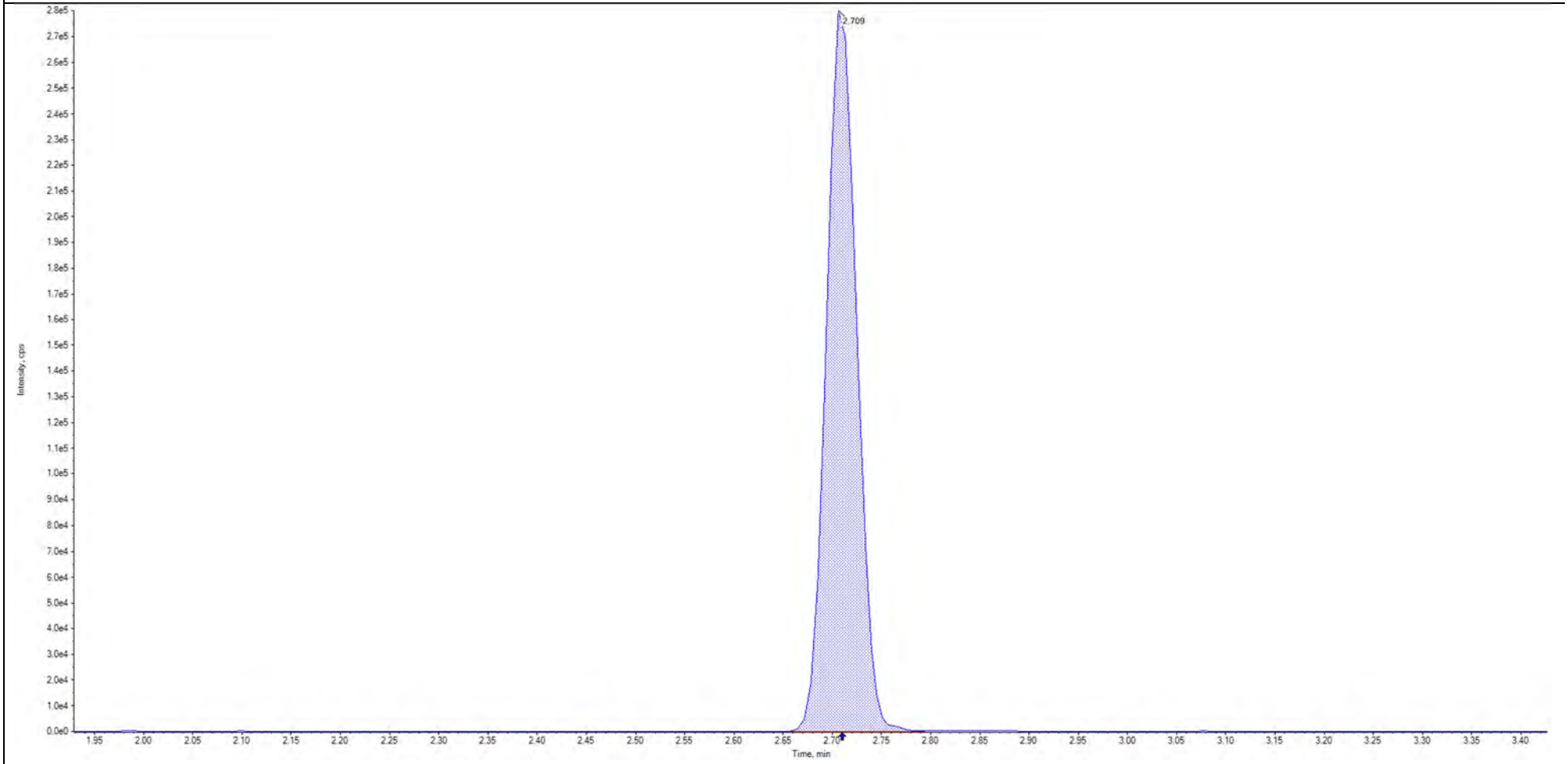
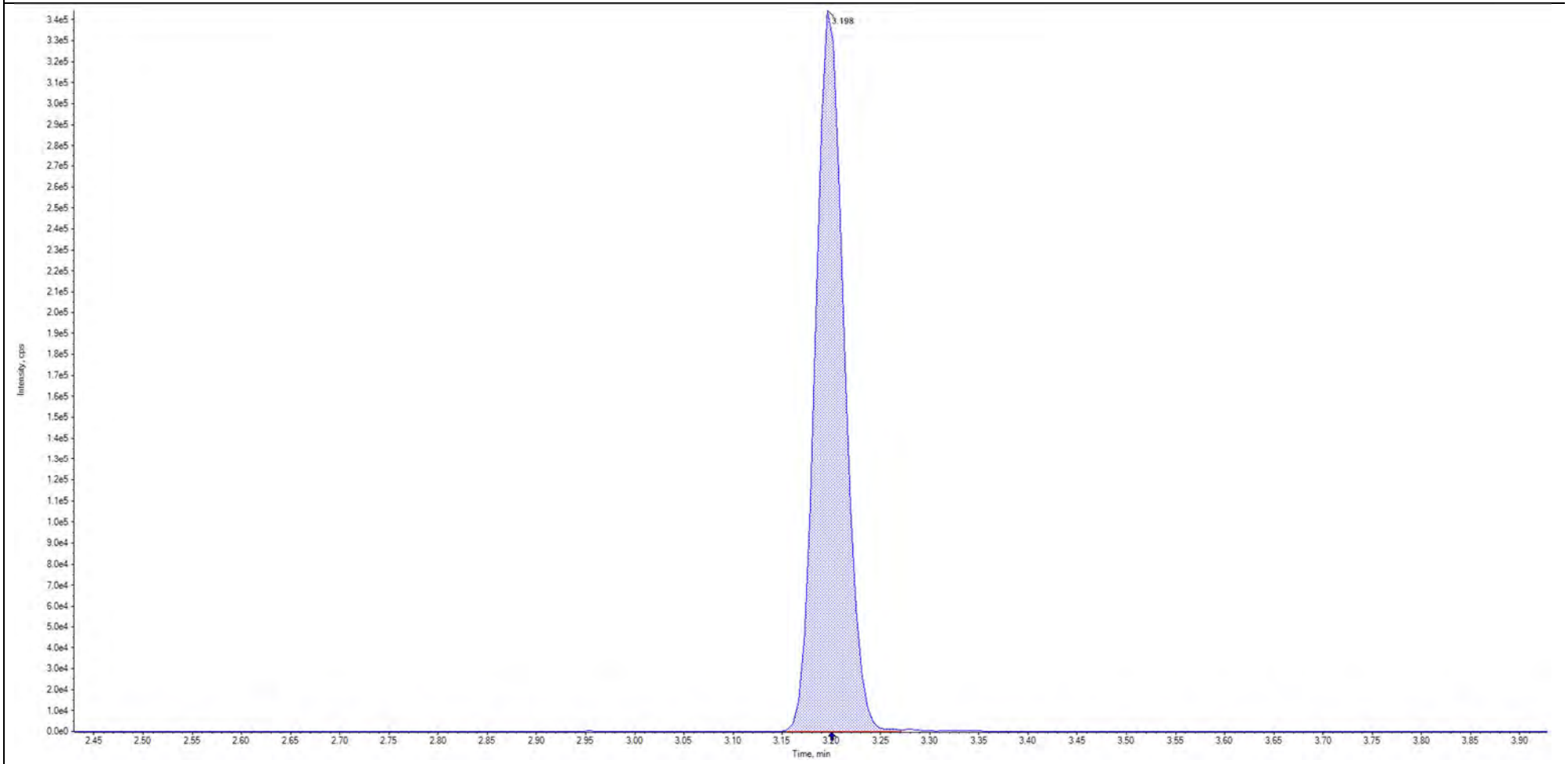
13C5-PFHxA
Sample: IA1633STD-2.5



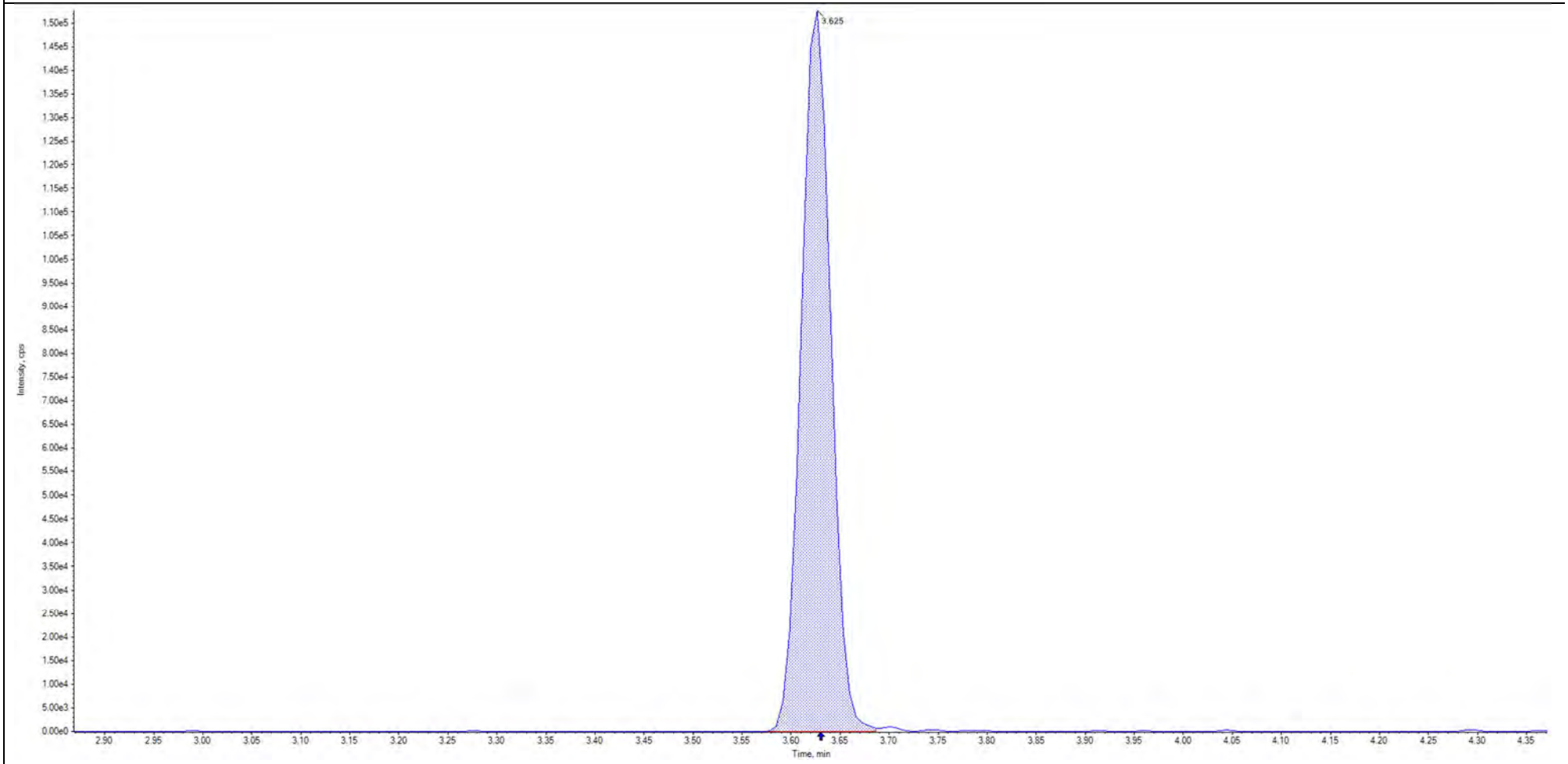
13C4-PFHpA
Sample: IA1633STD-2.5



13C8-PFOA
Sample: IA1633STD-2.5



13C9-PFNA
Sample: IA1633STD-2.5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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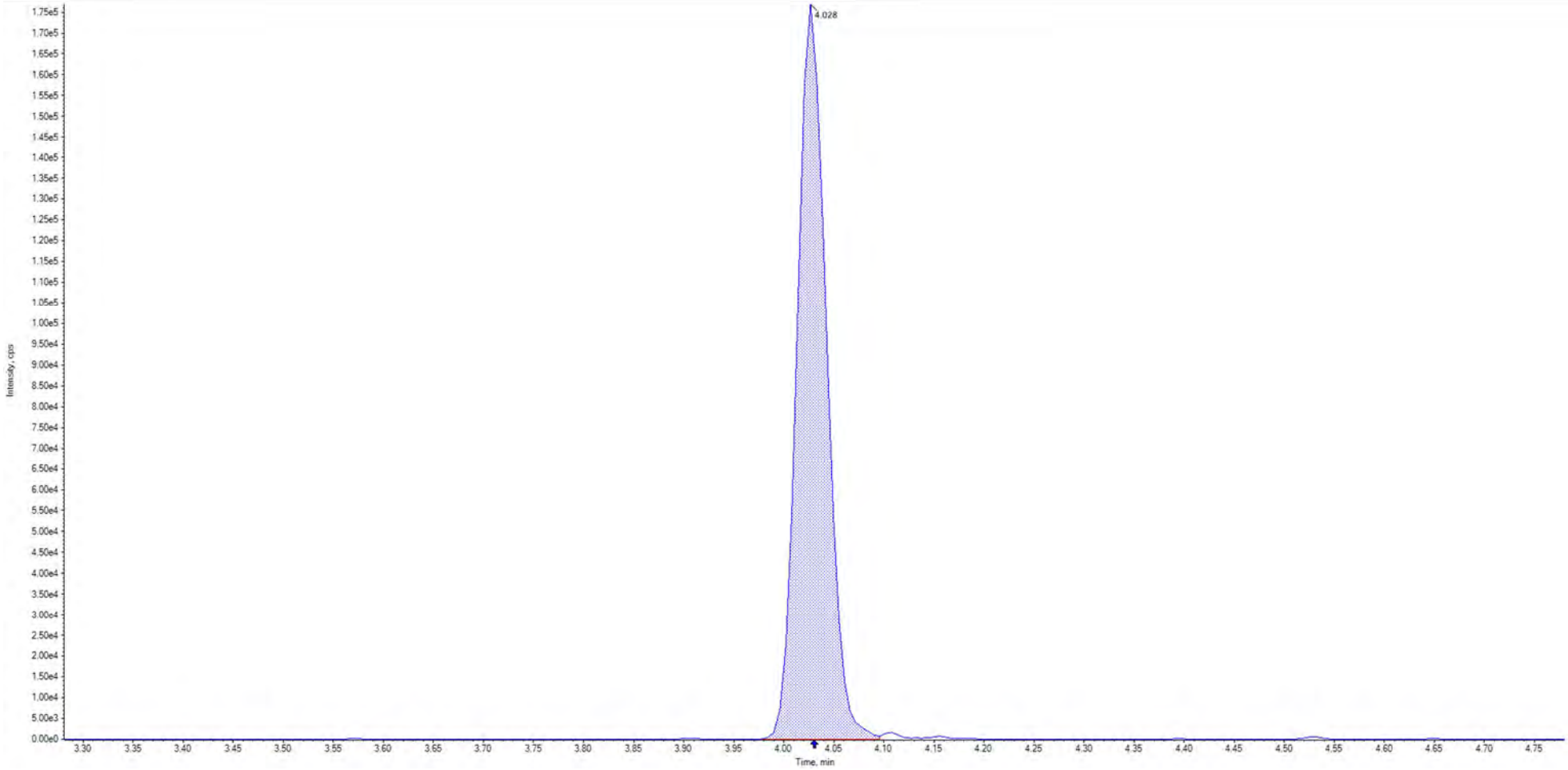
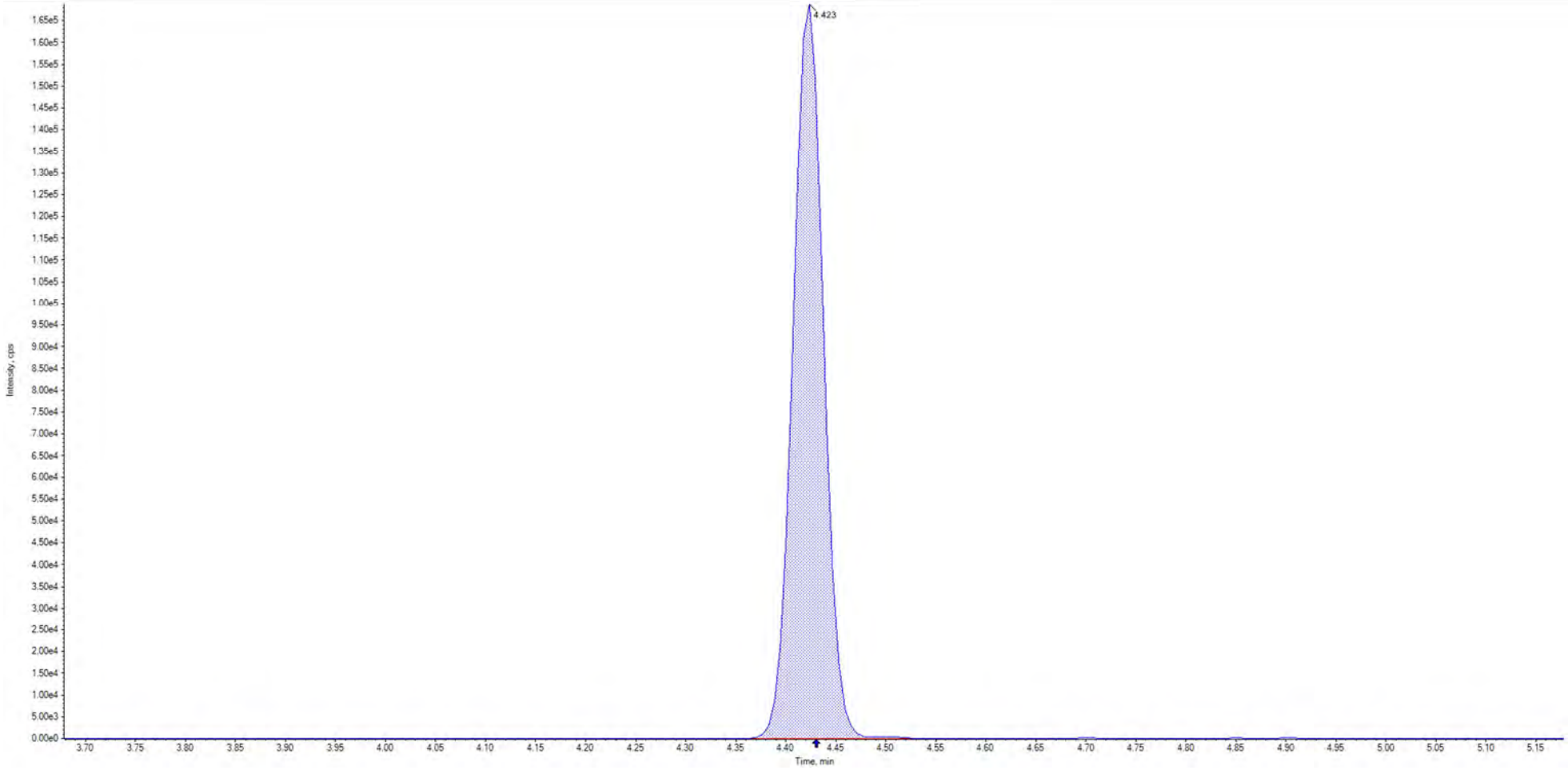
Generated: 2/28/2025 12:43:00 PM

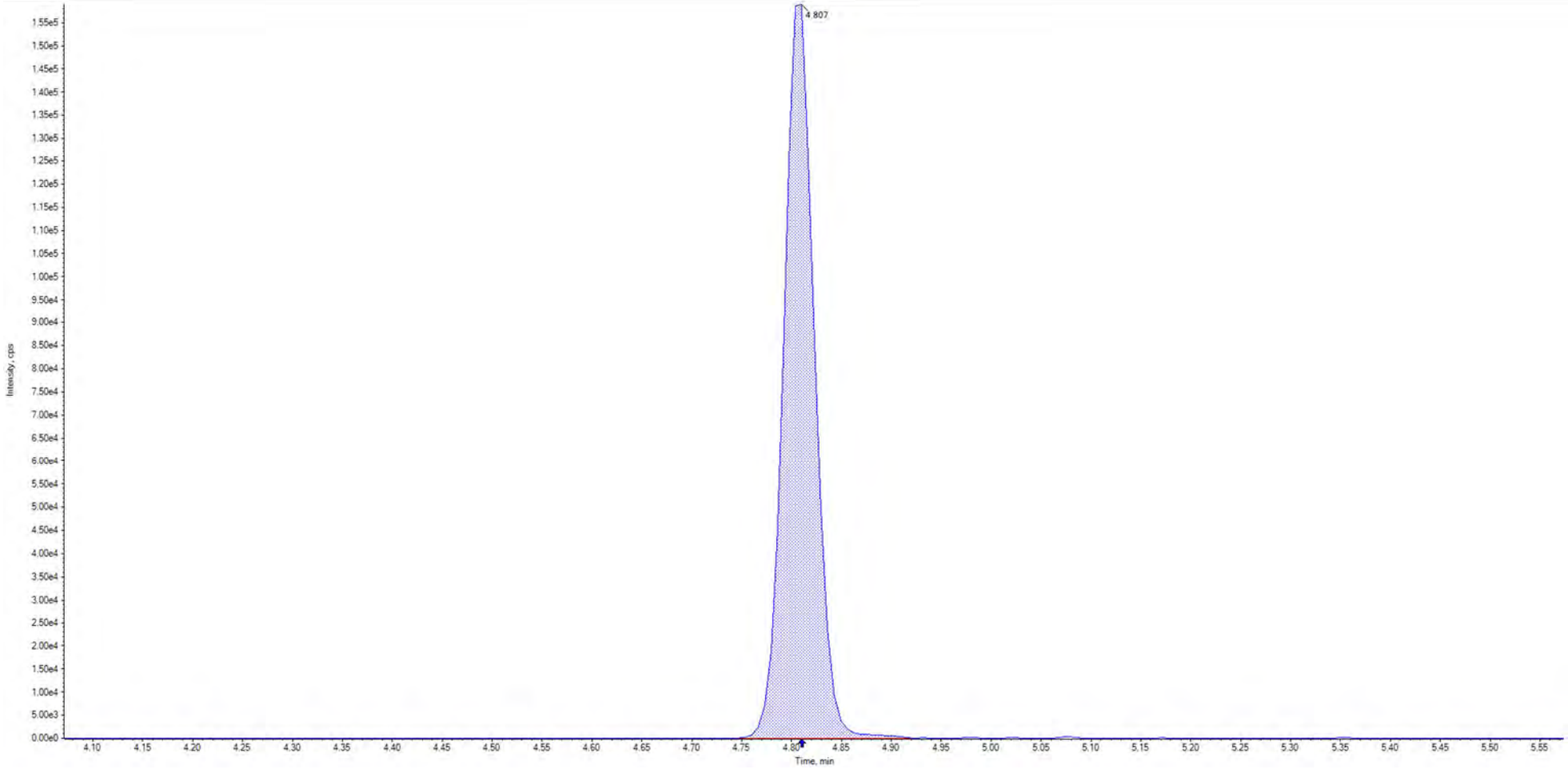
13C6-PFDA
Sample: IA1633STD-2.5



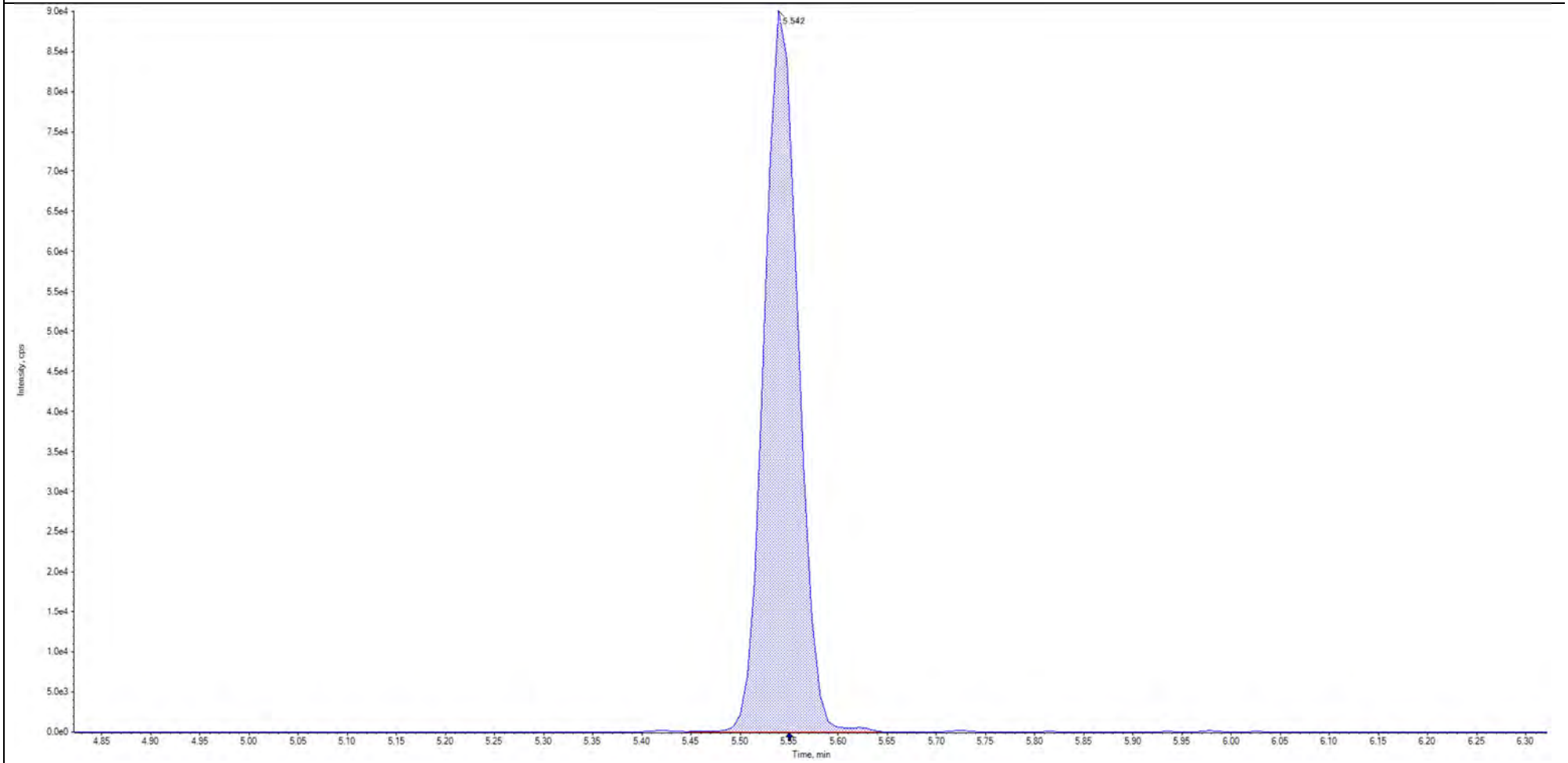
13C7-PFUnA
Sample: IA1633STD-2.5



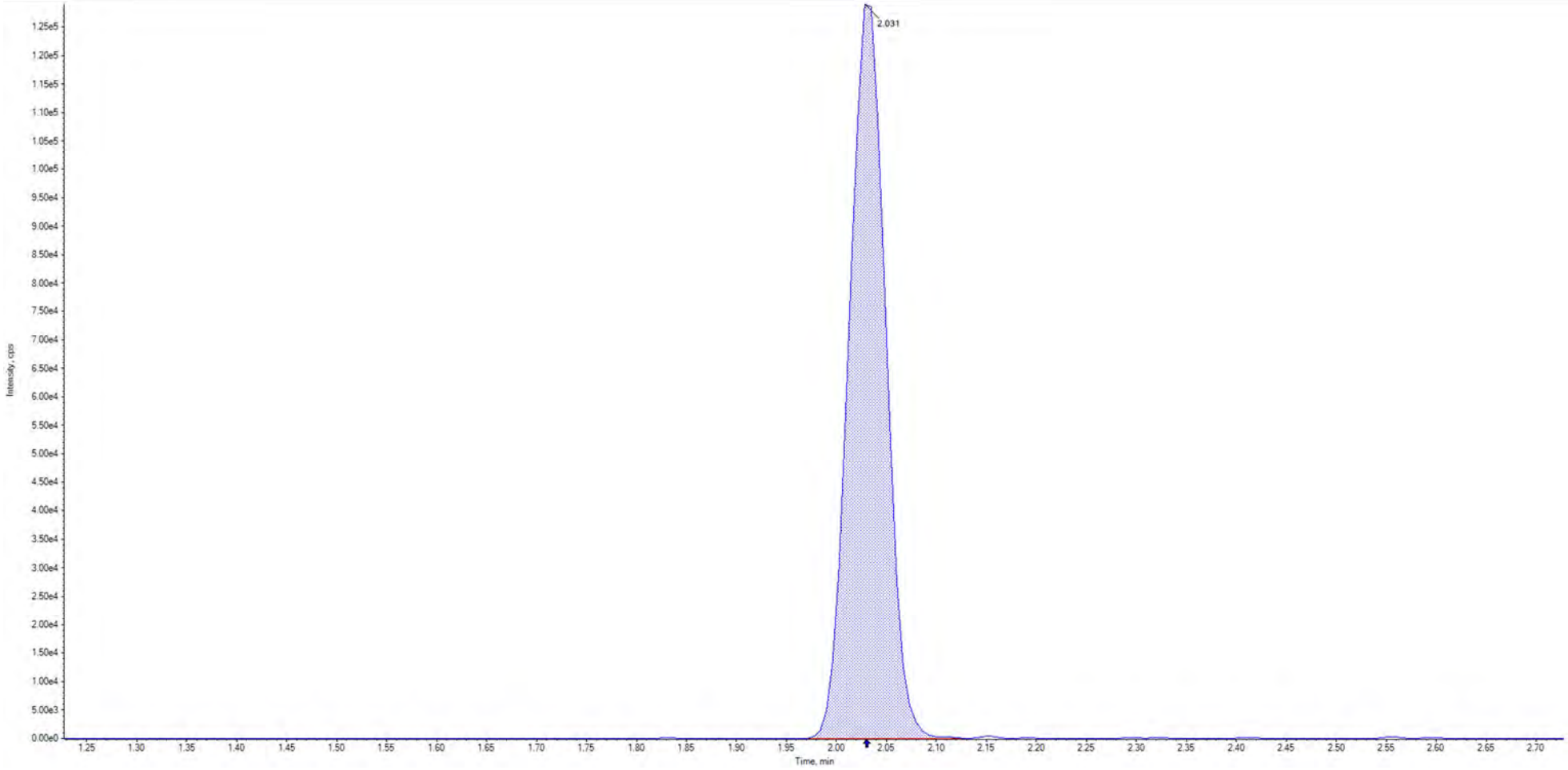
13C2-PFDoA
Sample: IA1633STD-2.5



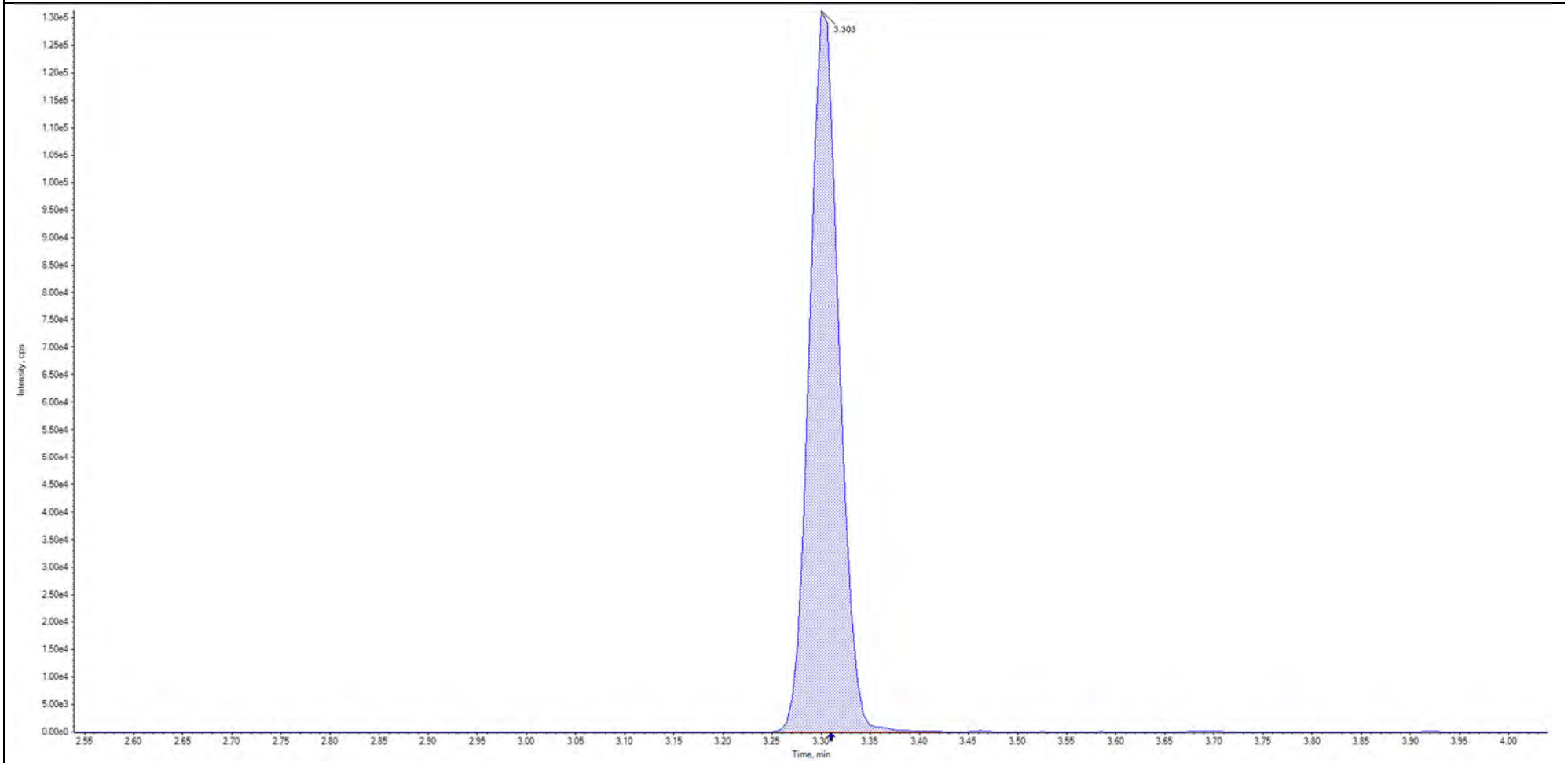
13C2-PFTeDA
Sample: IA1633STD-2.5



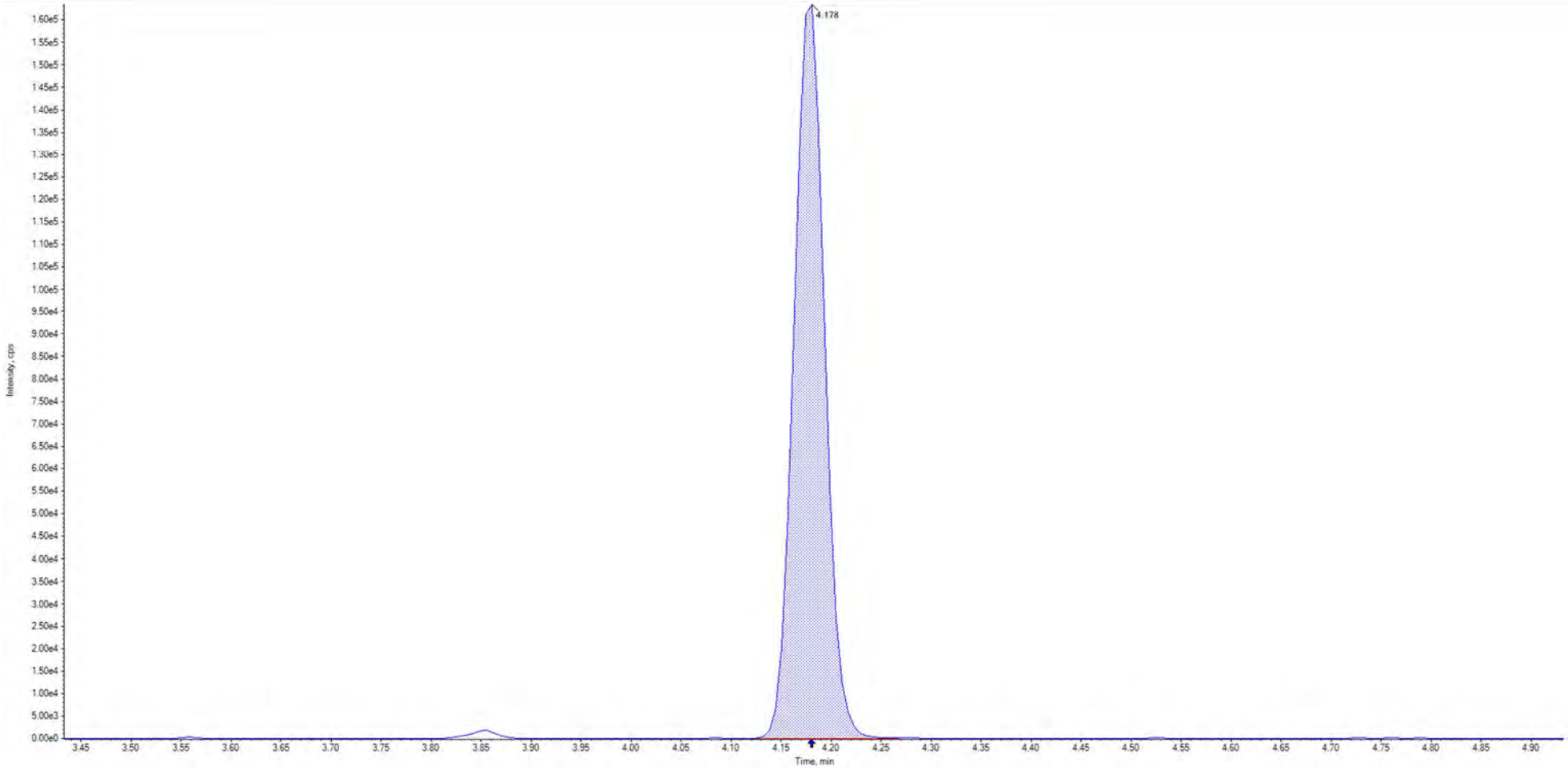
13C3-PFBS
Sample: IA1633STD-2.5



13C3-PFHxS
Sample: IA1633STD-2.5



13C8-PFOS
Sample: IA1633STD-2.5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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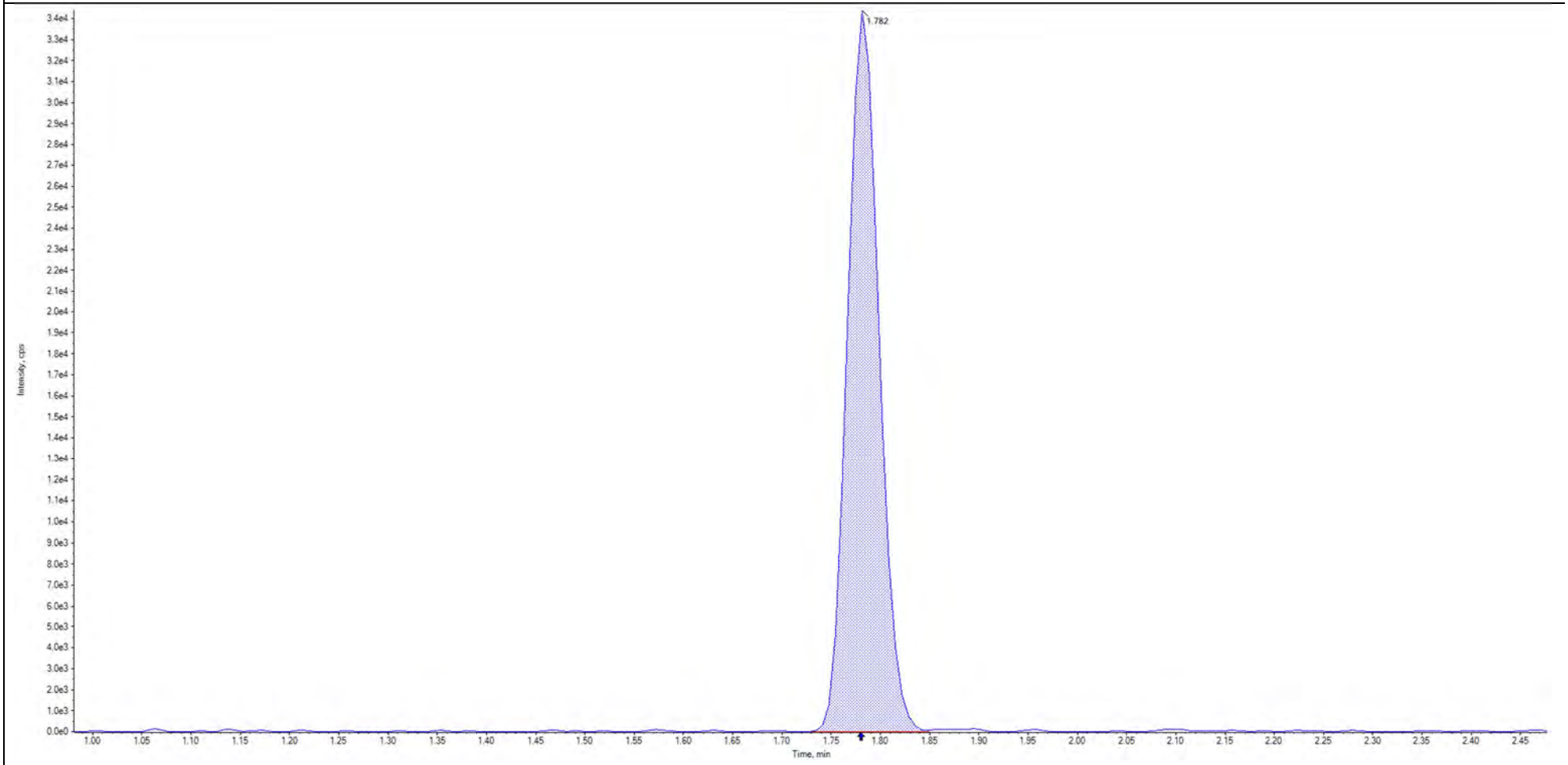
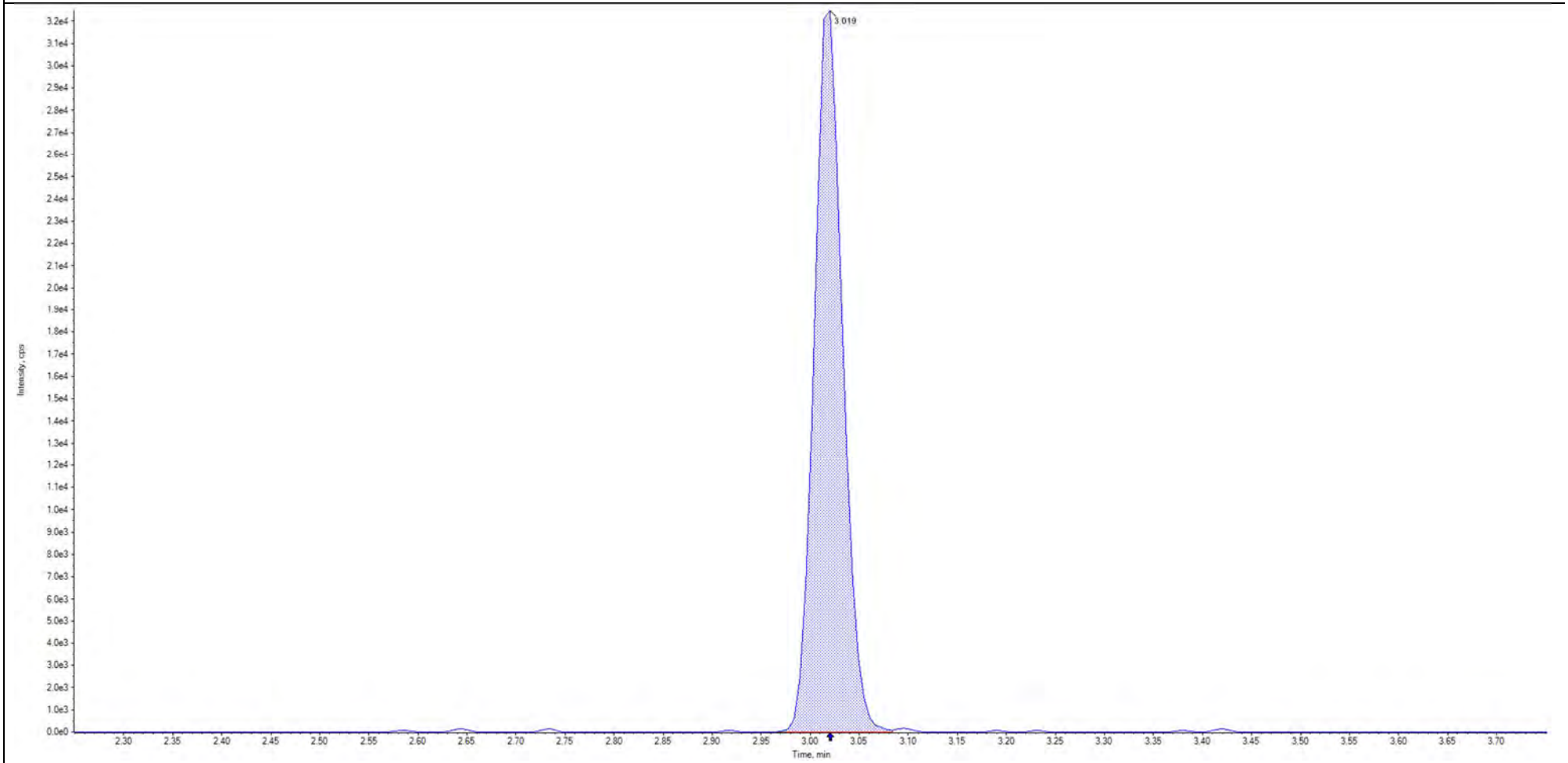
Generated: 2/28/2025 12:43:00 PM

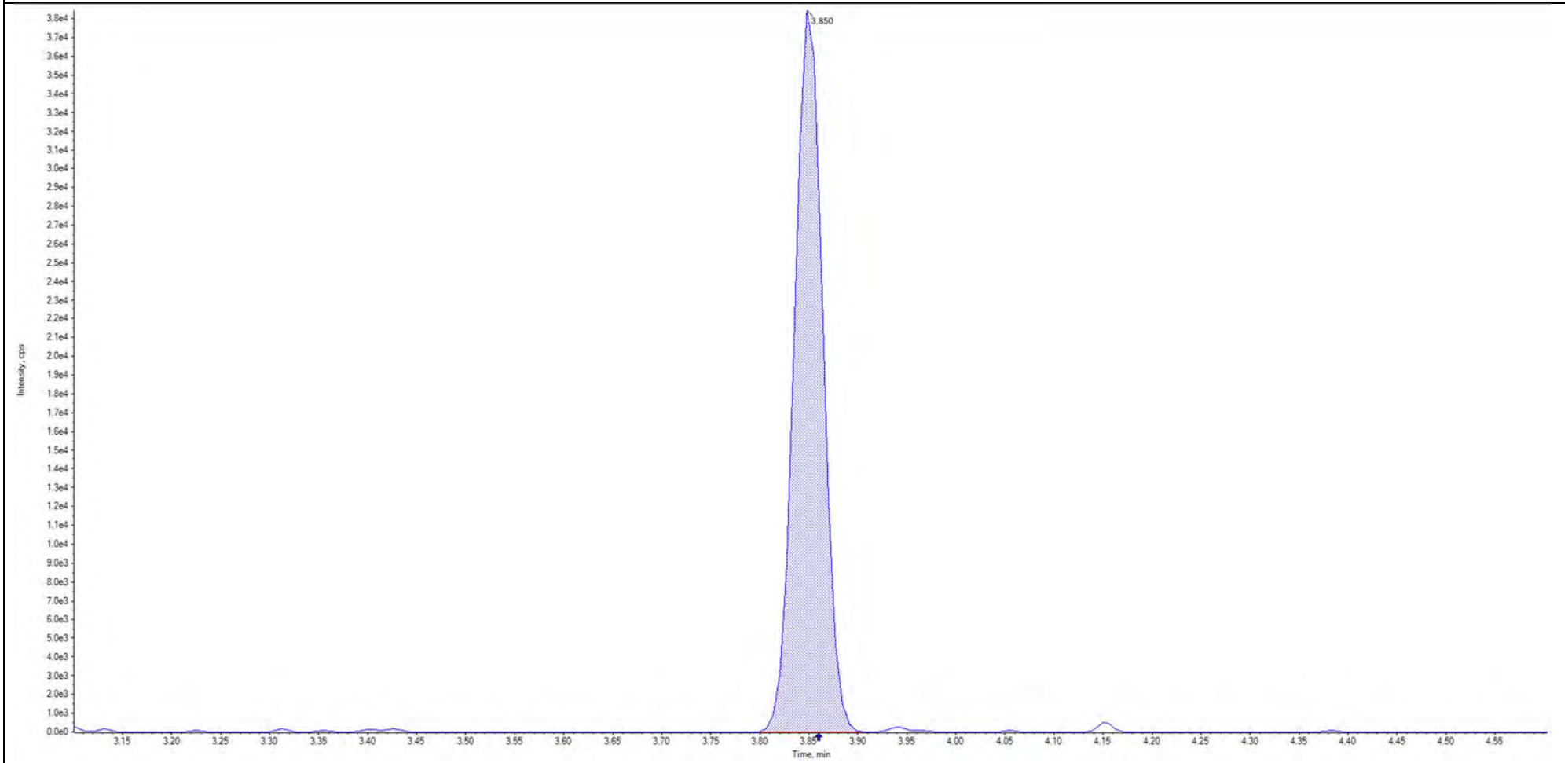
13C2-4:2FTS
Sample: IA1633STD-2.5



13C2-6:2FTS
Sample: IA1633STD-2.5



13C2-8:2FTS
Sample: IA1633STD-2.5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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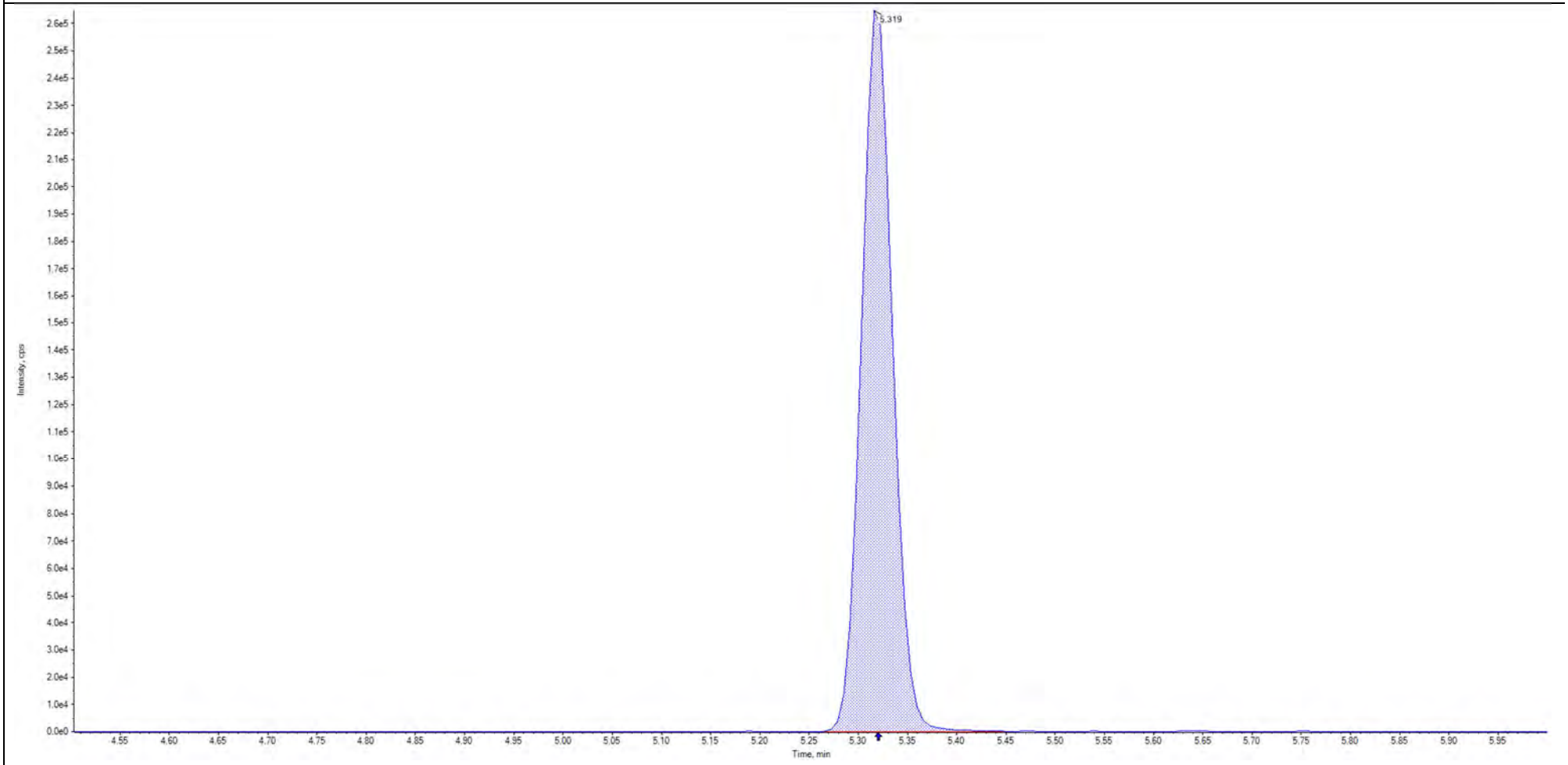
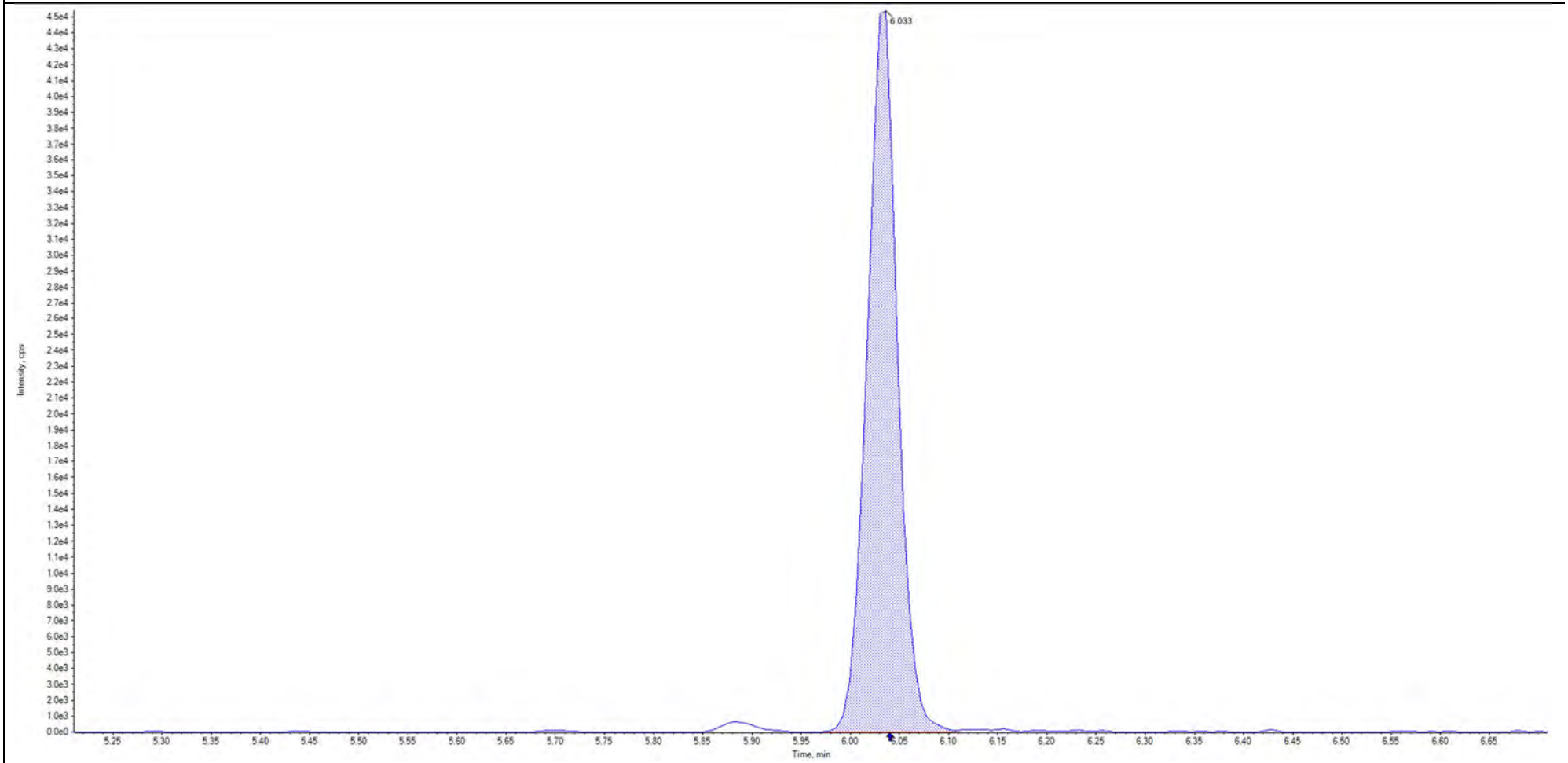
Generated: 2/28/2025 12:43:00 PM

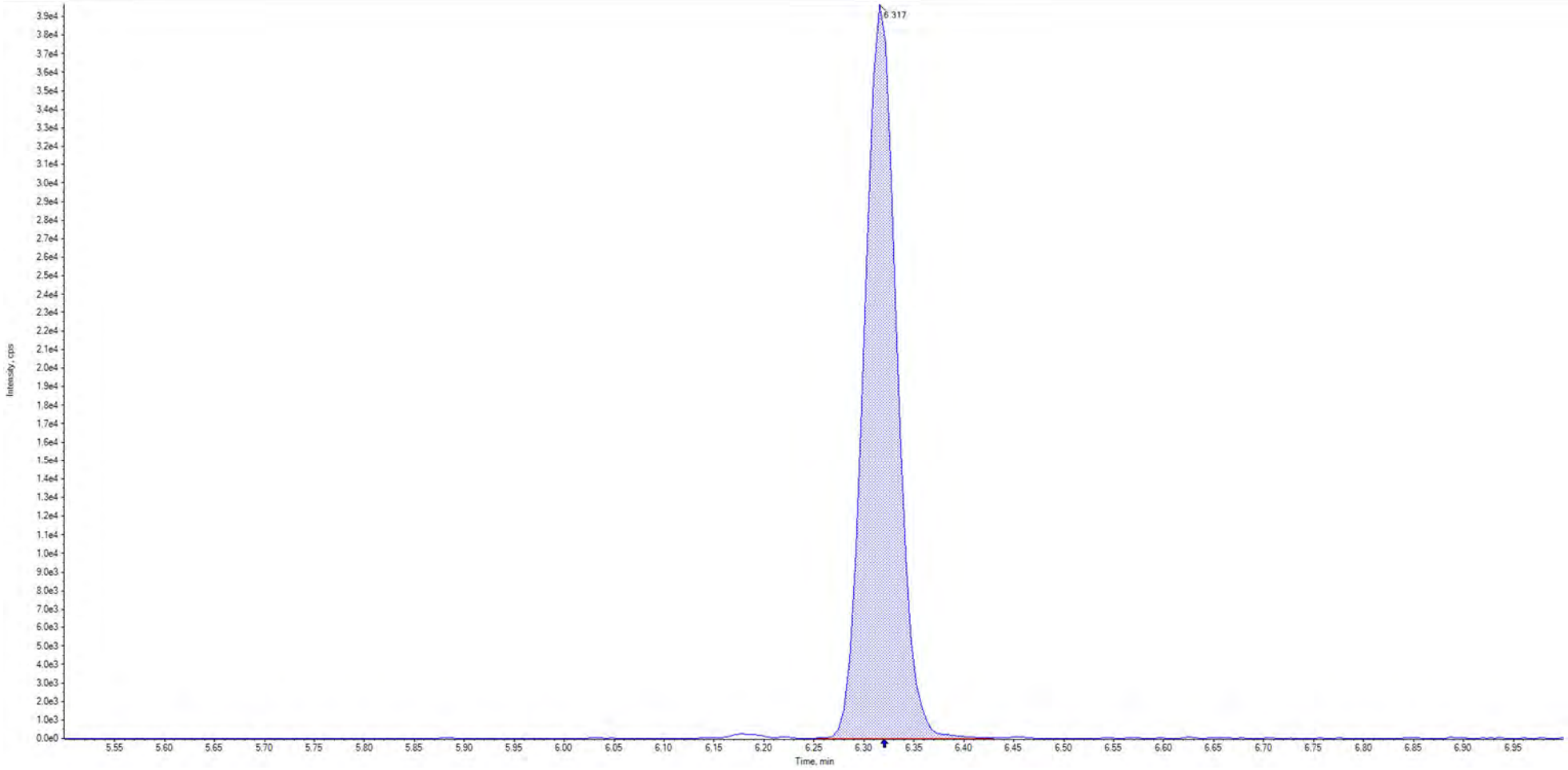
13C8-PFOSA
Sample: IA1633STD-2.5



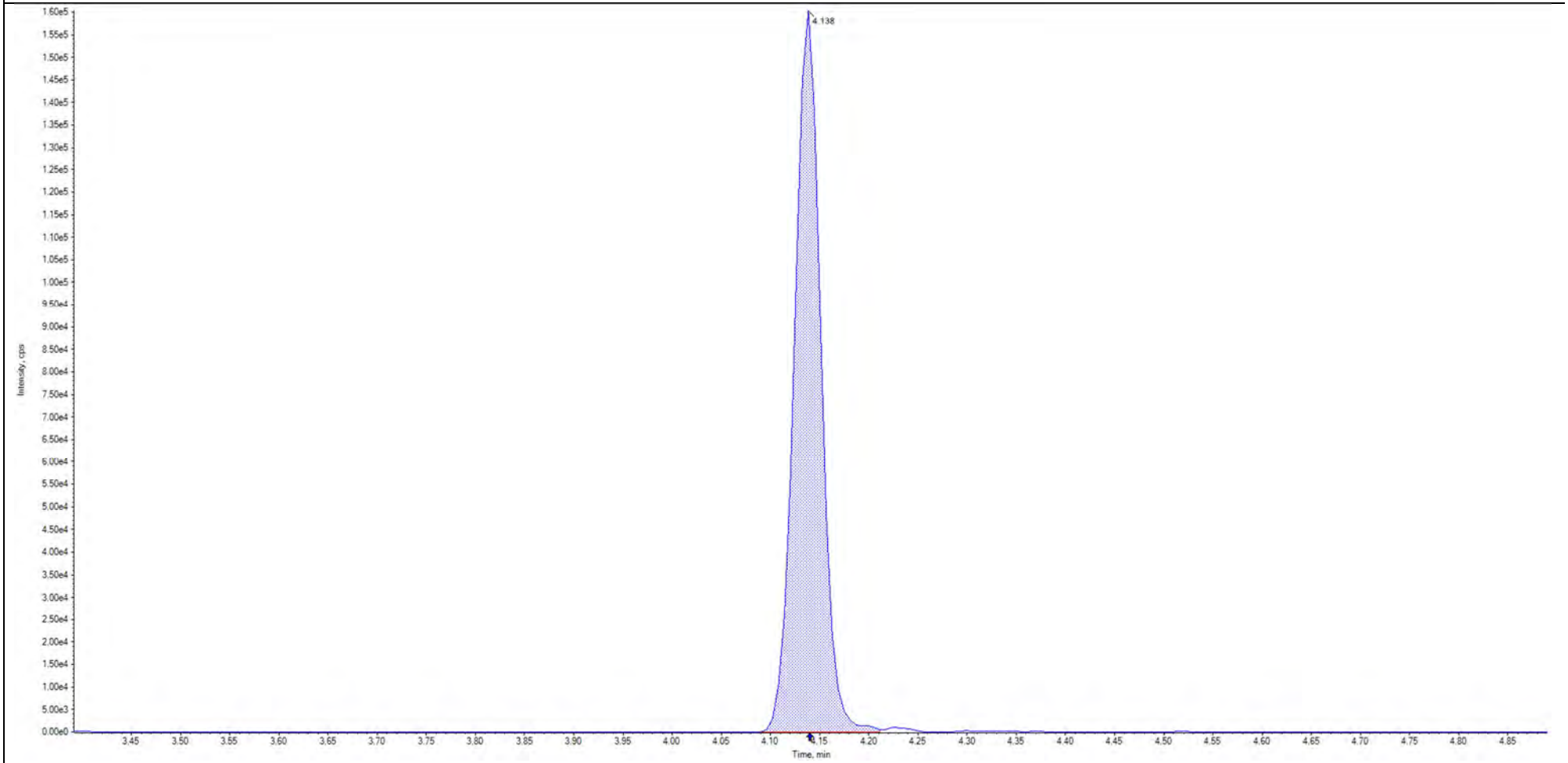
d3-NMeFOSA
Sample: IA1633STD-2.5



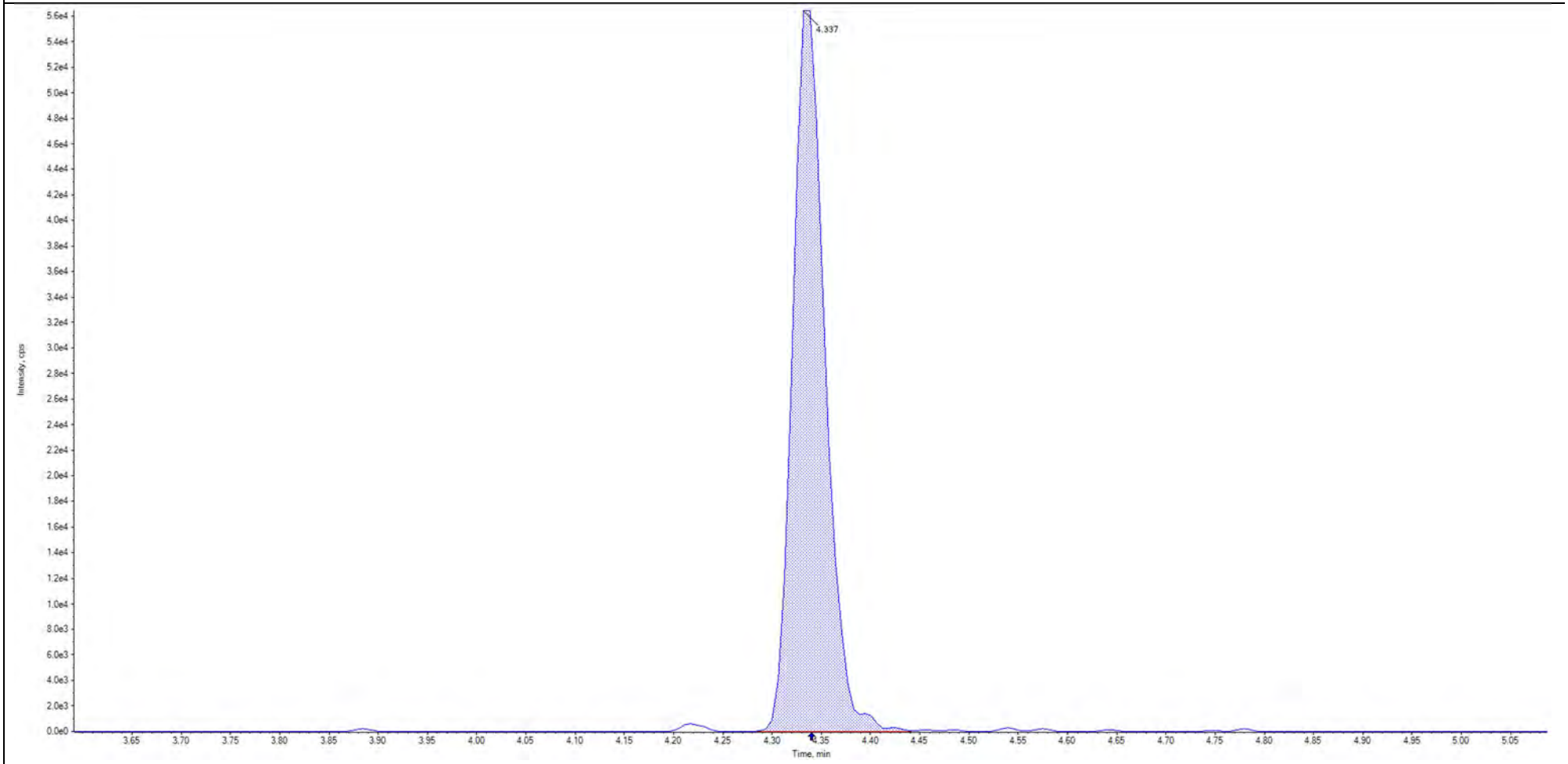
d5-NEtFOSA
Sample: IA1633STD-2.5



d3-NMeFOSAA
Sample: IA1633STD-2.5

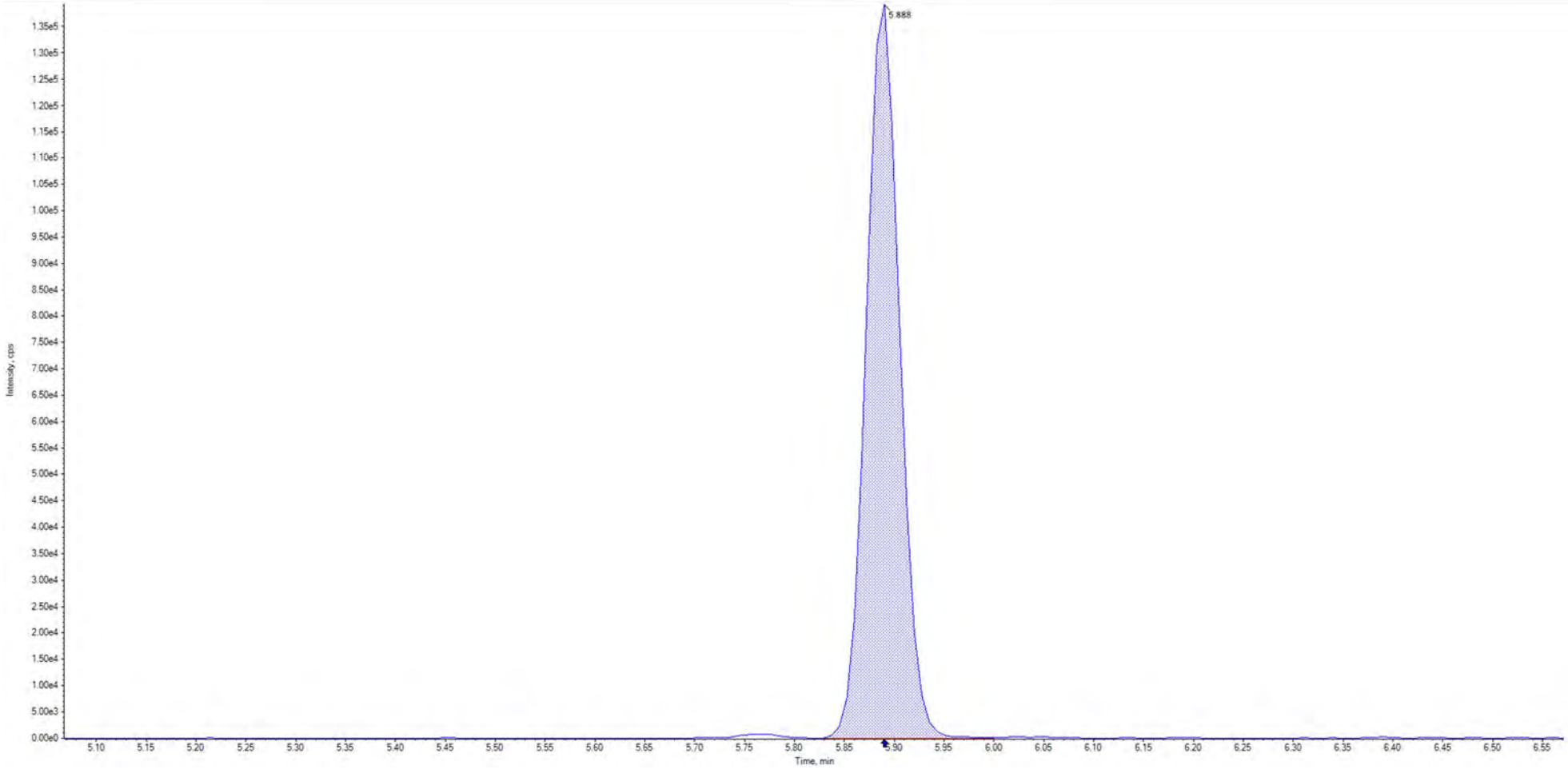


d5-NEtFOSAA
Sample: IA1633STD-2.5

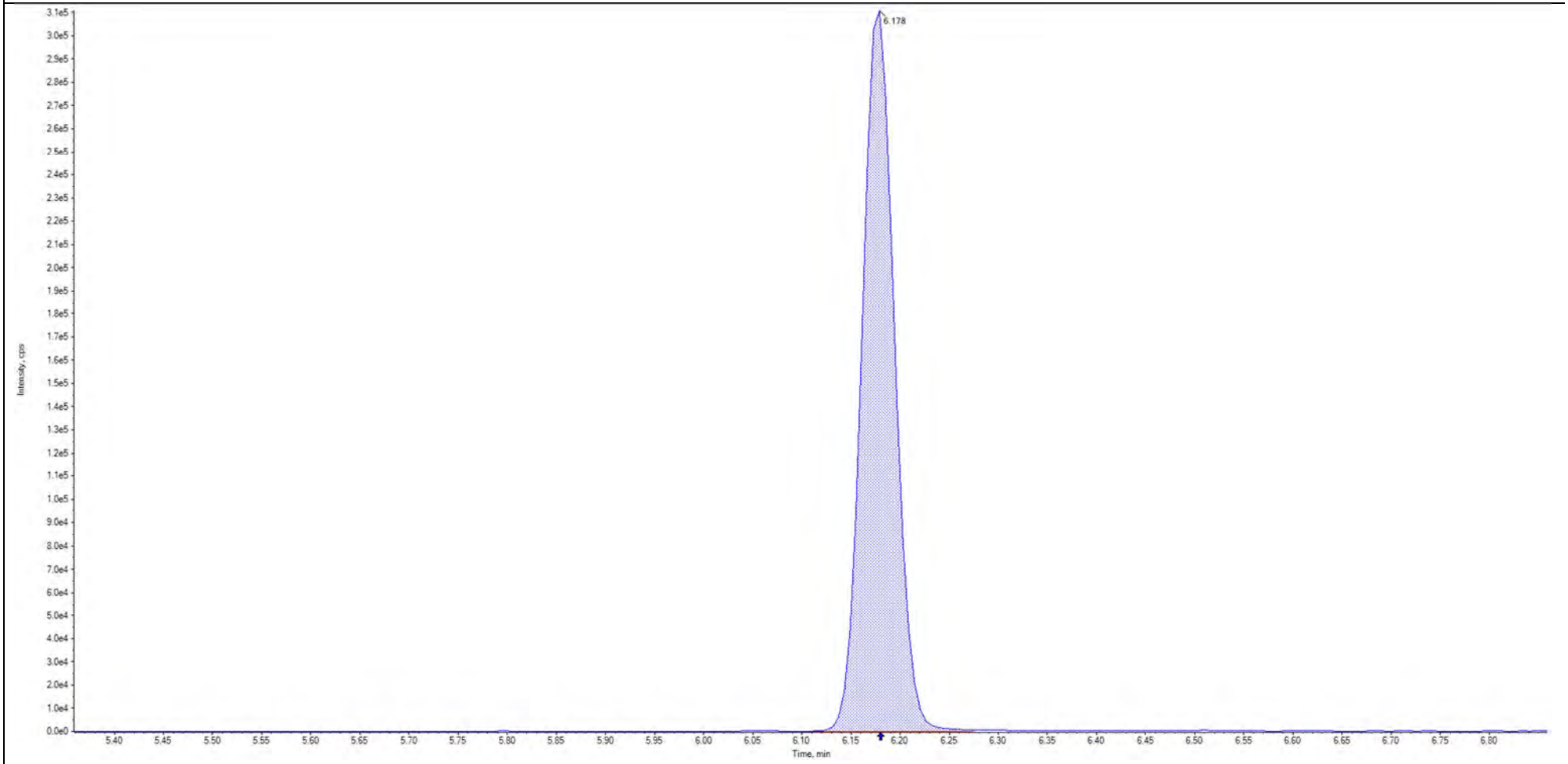


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_27.wiff2_3
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

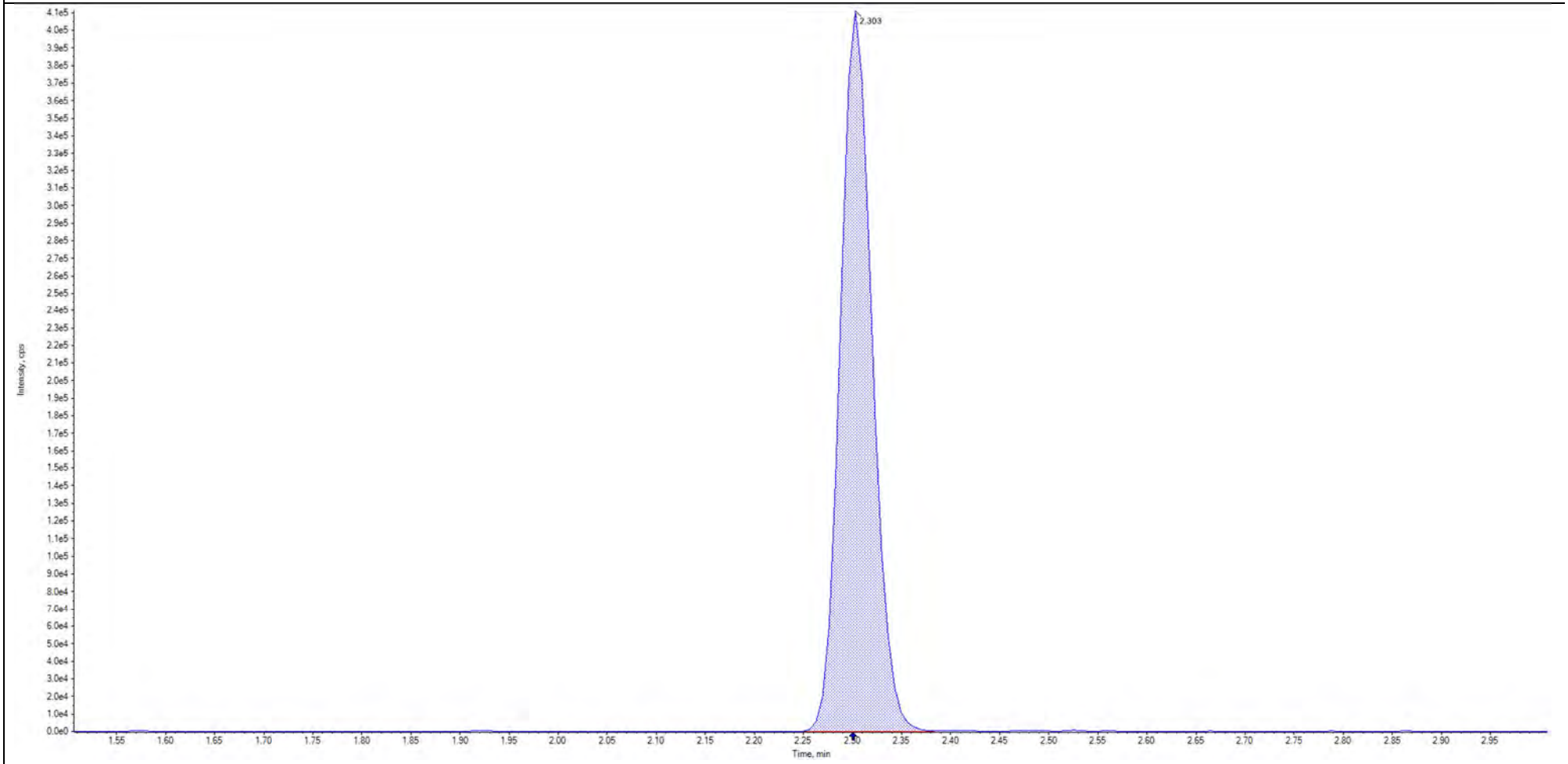
d7-NMeFOSE
Sample: IA1633STD-2.5



d9-NEtFOSE
Sample: IA1633STD-2.5



13C3-HFPO-DA
Sample: IA1633STD-2.5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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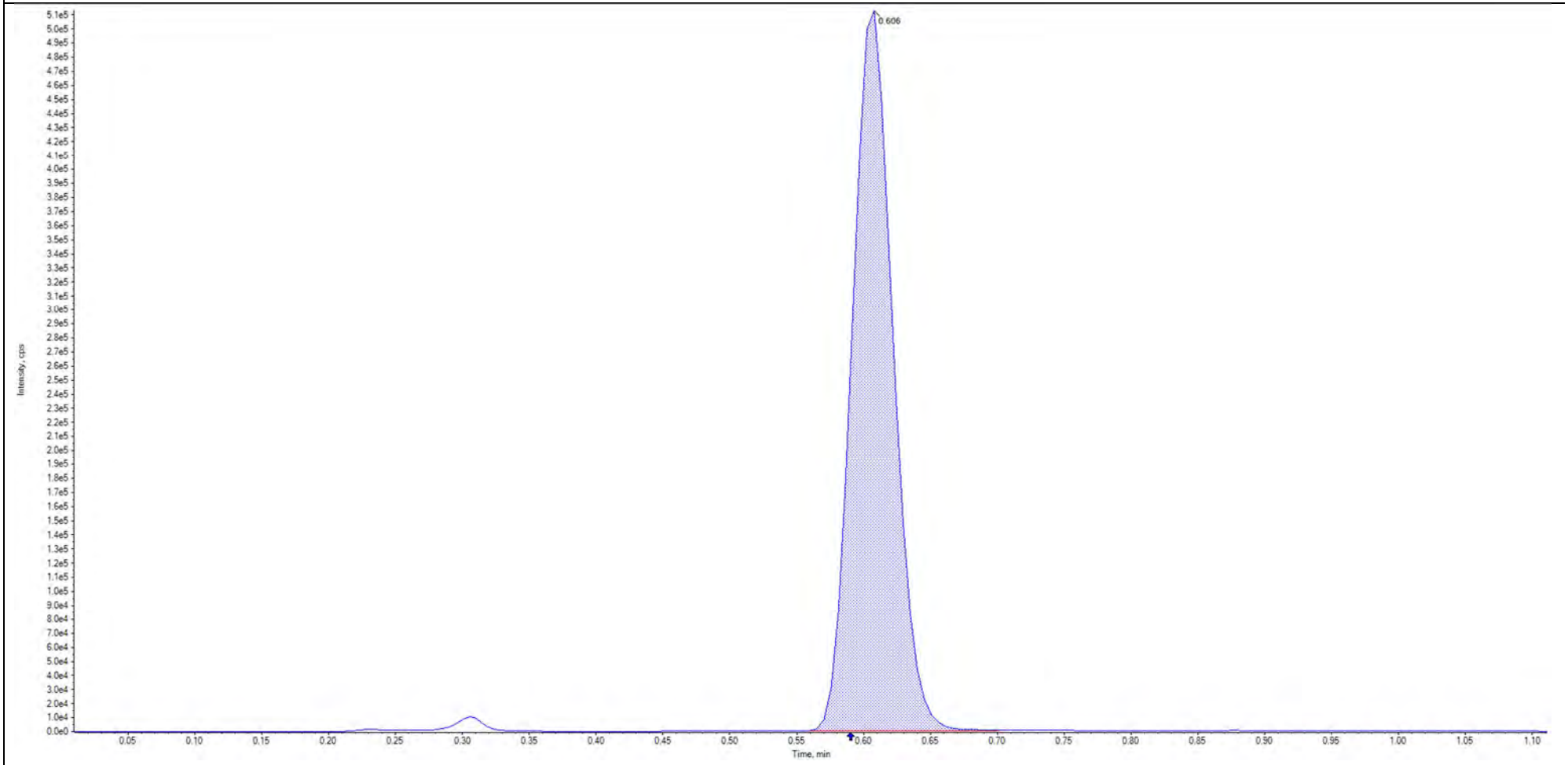
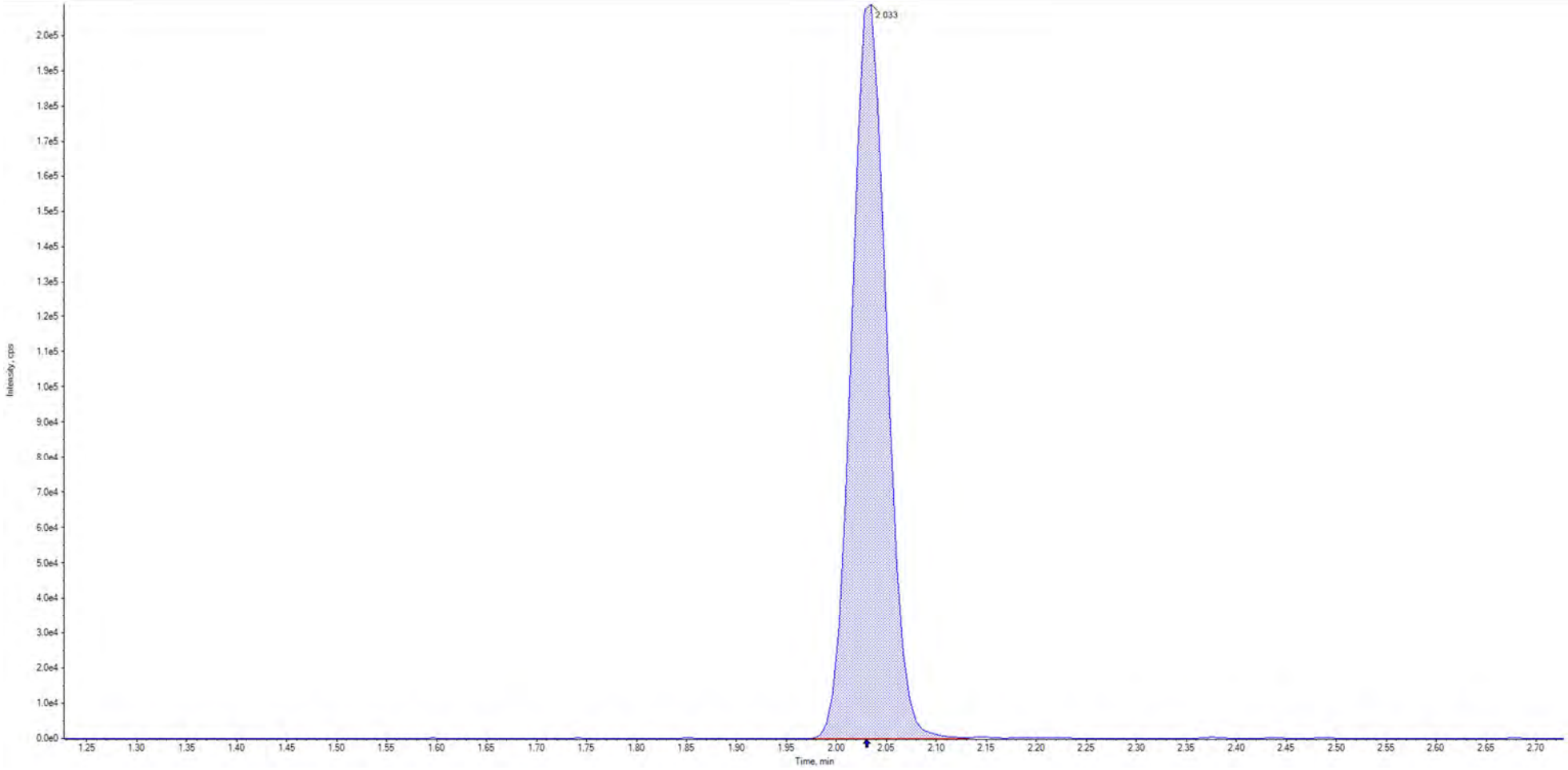
Generated: 2/28/2025 12:43:00 PM

13C3-PFBA
Sample: IA1633STD-2.5



13C2-PFHxA
Sample: IA1633STD-2.5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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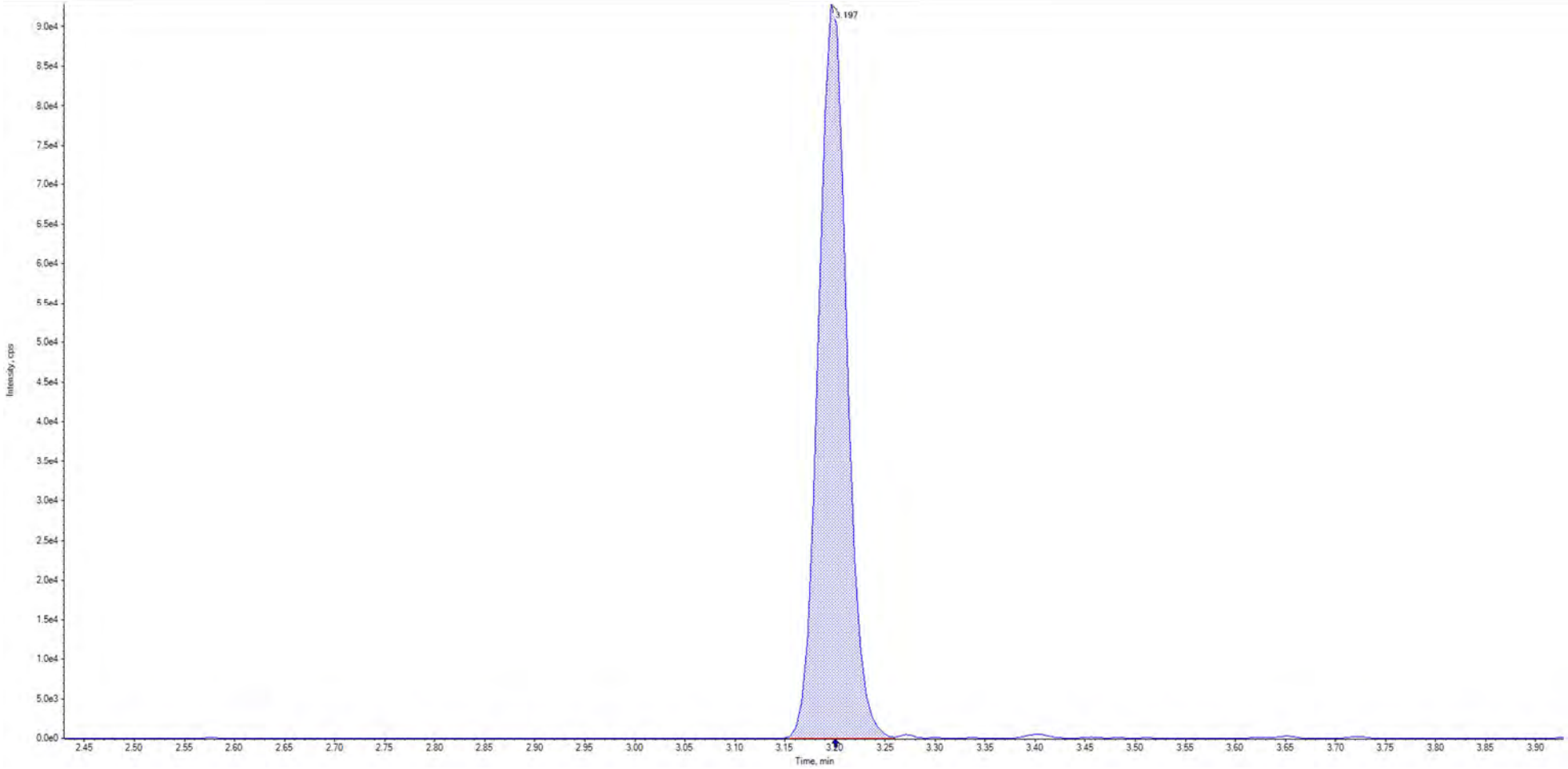
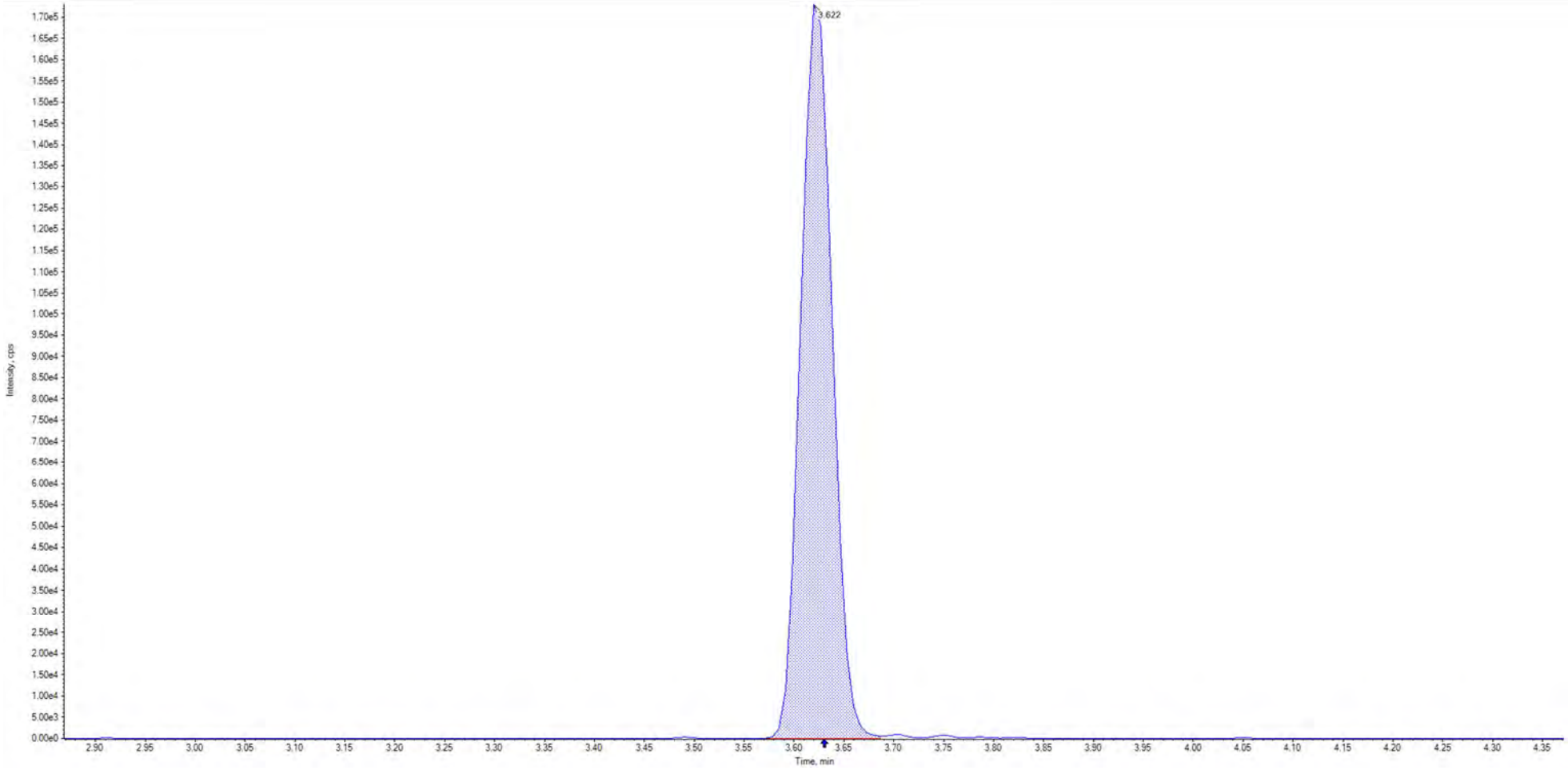
Generated: 2/28/2025 12:43:00 PM

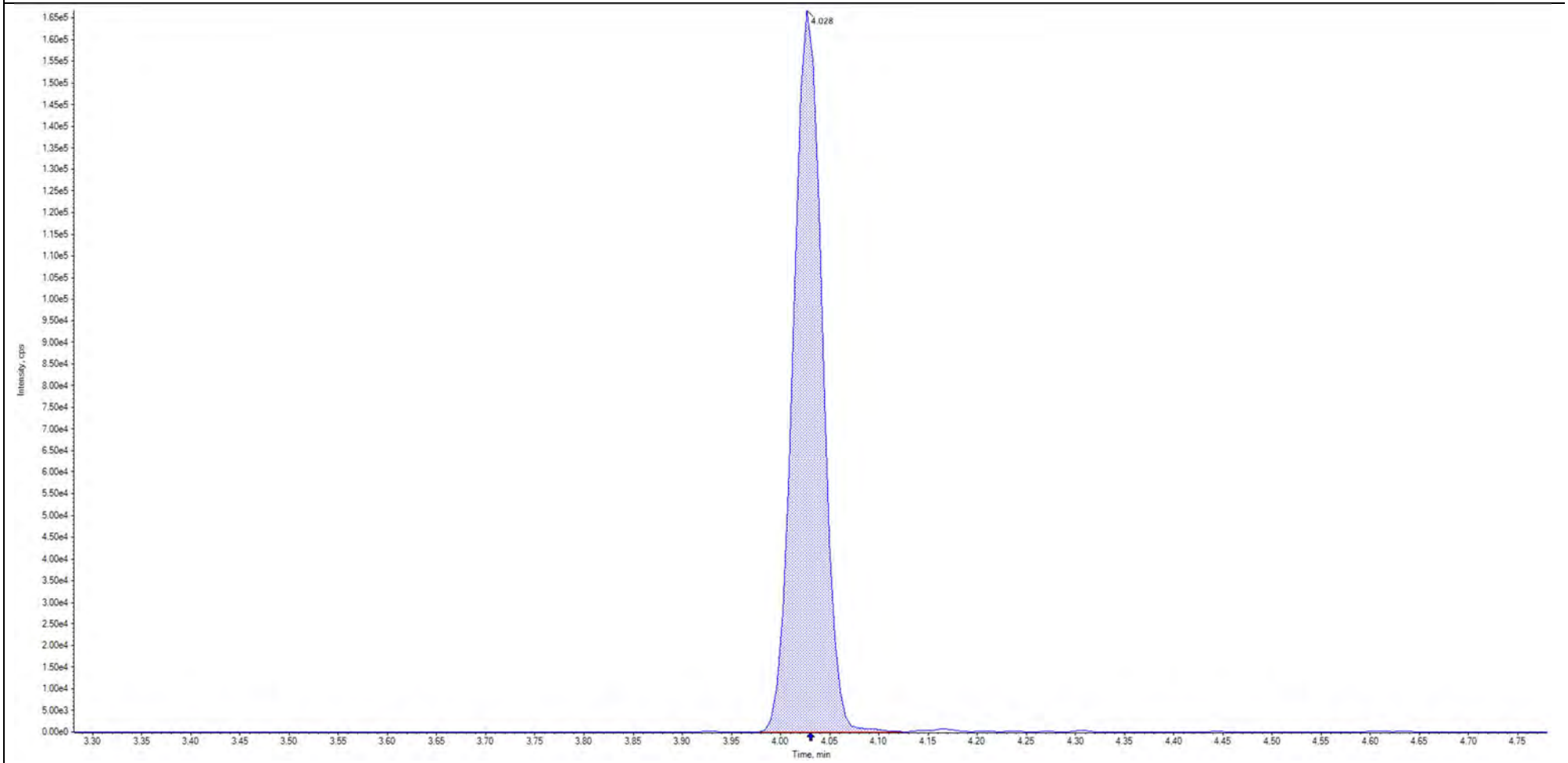
13C4-PFOA
Sample: IA1633STD-2.5



13C5-PFNA
Sample: IA1633STD-2.5



13C2-PFDA
Sample: IA1633STD-2.5



18O2-PFHxS
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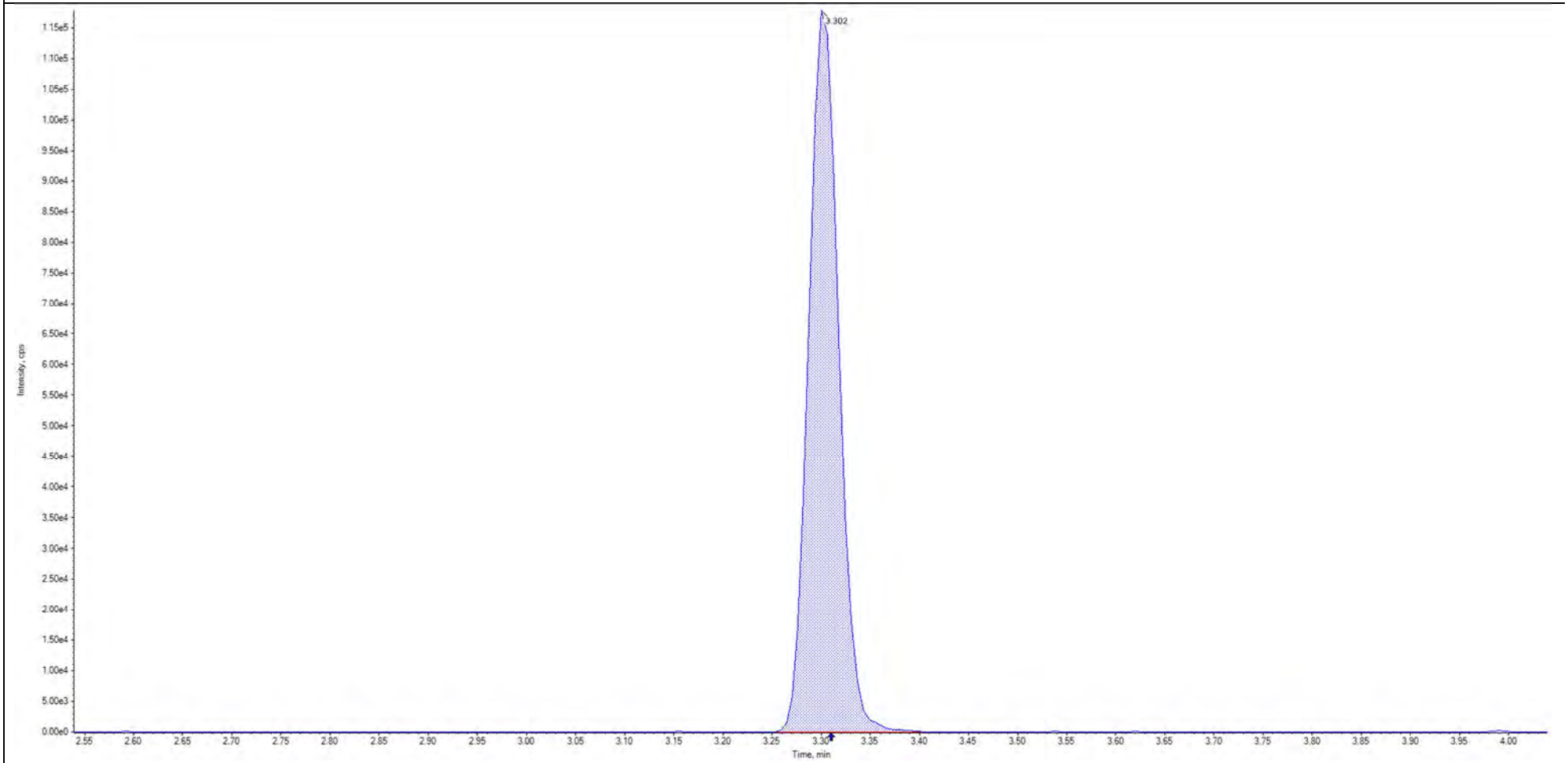
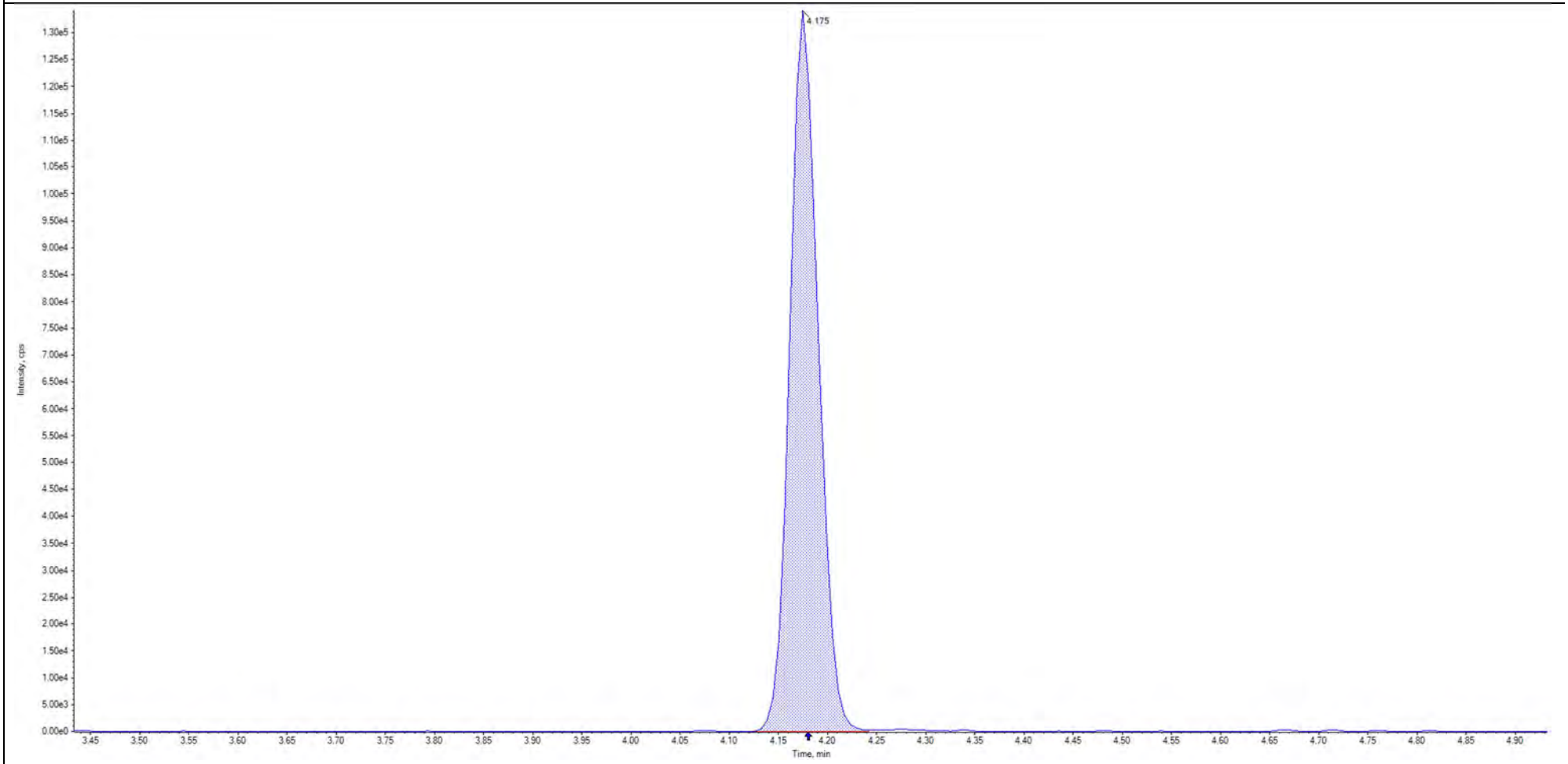


13C4-PFOS
Sample: IA1633STD-2.5



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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_250227.qmethod
Calibration: 250228_EPA1633_ICAL

ID: IA1633STD-5
Name: SCI07_250228_29.wiff2
Date & Time: 2025-02-28T12:49:16
Description: WG2035470,,EPA1633F_250228_CAL_L5
Instrument: SCIEX Triple Quad 5500+
User: LCMS07: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	0.60	213.0 / 169.0	4608786		20.341	N/A	N/A	N/A	101.7
2	PFPeA	2706-90-3	1.19	263.0 / 219.0	1429966		9.388	0.007	N/A	N/A	93.9
3	PFPeA_2	2706-90-3	1.19	263.0 / 68.9	10578		9.356	0.007	N/A	N/A	93.6
4	PFHxA	307-24-4	2.04	313.0 / 269.0	1207830		5.243	0.067	0.067	Pass	104.9
5	PFHxA_2	307-24-4	2.04	313.0 / 119.0	81501		5.292	0.067	0.067	Pass	105.9
6	PFHpA	375-85-9	2.72	363.1 / 319.0	1279677		5.238	0.345	0.345	Pass	104.8
7	PFHpA_2	375-85-9	2.72	363.1 / 169.0	441582		5.255	0.345	0.345	Pass	105.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	3.21	413.1 / 369.1	1308625	M5	4.771	0.365	0.365	Pass	95.4
9	PFOA_2	335-67-1	3.21	413.1 / 169.0	477445	M5	4.644	0.365	0.365	Pass	92.9
10	PFNA	375-95-1	3.64	462.8 / 418.9	1188049		4.919	0.352	0.352	Pass	98.4
11	PFNA_2	375-95-1	3.64	462.8 / 219.0	417642	M5	5.211	0.352	0.352	Pass	104.2
12	PFDA	335-76-2	4.04	513.1 / 469.1	1253933		4.848	0.185	0.185	Pass	97.0
13	PFDA_2	335-76-2	4.04	513.1 / 219.0	231914		5.123	0.185	0.185	Pass	102.5
14	PFUnA	2058-94-8	4.43	563.1 / 519.1	1218468		5.047	0.166	0.166	Pass	100.9
15	PFUnA_2	2058-94-8	4.43	563.1 / 269.0	202217		5.032	0.166	0.166	Pass	100.6
16	PFDoA	307-55-1	4.82	613.1 / 569.1	1320470		5.544	0.150	0.150	Pass	110.9
17	PFDoA_2	307-55-1	4.82	613.1 / 319.0	198177		5.226	0.150	0.150	Pass	104.5
18	PFTrDA	72629-94-8	5.19	663.1 / 619.1	1192349		5.362	0.134	0.134	Pass	107.2
19	PFTrDA_2	72629-94-8	5.19	663.1 / 169.0	160140		4.841	0.134	0.134	Pass	96.8
20	PFTeDA	376-06-7	5.55	713.1 / 669.1	1076001		5.110	0.150	0.150	Pass	102.2
21	PFTeDA_2	376-06-7	5.55	713.1 / 169.0	161824		4.864	0.150	0.150	Pass	97.3
22	PFBS	375-73-5	2.03	299.1 / 80.1	728782		4.640	0.341	0.341	Pass	104.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	2.03	299.1 / 99.1	248733		4.462	0.341	0.341	Pass	100.5
24	PFPeS	2706-91-4	2.78	349.1 / 80.1	691612		4.183	0.296	0.296	Pass	89.0
25	PFPeS_2	2706-91-4	2.78	349.1 / 99.1	204973		4.222	0.296	0.296	Pass	89.8
26	PFHxS	355-46-4	3.31	399.1 / 80.1	579799		3.979	0.298	0.298	Pass	87.3
27	PFHxS_2	355-46-4	3.31	399.1 / 99.1	172618		4.070	0.298	0.298	Pass	89.3
28	PFHpS	375-92-8	3.77	449.1 / 80.1	641186		4.558	0.277	0.277	Pass	95.8
29	PFHpS_2	375-92-8	3.77	449.1 / 99.1	177468		4.328	0.277	0.277	Pass	90.9
30	PFOS	1763-23-1	4.19	499.1 / 80.1	727509	M5	4.263	0.236	0.236	Pass	91.9
31	PFOS_2	1763-23-1	4.19	499.1 / 99.1	171363	M5	4.283	0.236	0.236	Pass	92.3
32	PFNS	68259-12-1	4.59	549.1 / 80.1	560404		4.706	0.265	0.265	Pass	98.0
33	PFNS_2	68259-12-1	4.59	549.1 / 99.1	148750		4.485	0.265	0.265	Pass	93.4
34	PFDS	335-77-3	4.98	599.1 / 80.1	552446		4.849	0.275	0.275	Pass	100.6
35	PFDS_2	335-77-3	4.98	599.1 / 99.1	152032		4.746	0.275	0.275	Pass	98.5
36	PFDoS	79780-39-5	5.71	699.2 / 80.1	576201		4.643	0.245	0.245	Pass	95.9
37	PFDoS_2	79780-39-5	5.71	699.2 / 99.1	141402		4.447	0.245	0.245	Pass	91.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	1.78	327.1 / 307.1	645332		18.969	0.542	0.542	Pass	101.4
39	4:2FTS_2	757124-72-4	1.78	327.1 / 81.1	349825		19.157	0.542	0.542	Pass	102.4
40	6:2FTS	27619-97-2	3.03	427.2 / 407.2	534140		19.052	0.555	0.555	Pass	100.3
41	6:2FTS_2	27619-97-2	3.03	427.2 / 81.1	296303		19.445	0.555	0.555	Pass	102.3
42	8:2FTS	39108-34-4	3.86	527.2 / 507.2	393972		19.436	0.824	0.824	Pass	101.2
43	8:2FTS_2	39108-34-4	3.86	527.2 / 81.1	324750		20.921	0.824	0.824	Pass	109.0
44	PFOSA	754-91-6	5.33	498.1 / 78.1	890856	M5	5.032	0.029	0.029	Pass	100.6
45	PFOSA_2	754-91-6	5.33	498.1 / 478.0	25567		4.937	0.029	0.029	Pass	98.7
46	NMeFOSA	31506-32-8	6.05	512.2 / 219.0	224458	M5	4.892	1.426	1.426	Pass	97.8
47	NMeFOSA_2	31506-32-8	6.00	512.2 / 169.0	320150		4.859	1.426	1.426	Pass	97.2
48	NEtFOSA	4151-50-2	6.33	526.2 / 219.0	234071		4.970	1.166	1.166	Pass	99.4
49	NEtFOSA_2	4151-50-2	6.30	526.2 / 169.0	272948		4.889	1.166	1.166	Pass	97.8
50	NMeFOSAA	2355-31-9	4.15	570.2 / 419.1	232519		4.866	0.729	0.729	Pass	97.3
51	NMeFOSAA_2	2355-31-9	4.15	570.2 / 483.0	169407		5.111	0.729	0.729	Pass	102.2
52	NEtFOSAA	2991-50-6	4.35	584.2 / 419.1	145245	M5	5.320	0.453	0.453	Pass	106.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.35	584.2 / 526.2	65729	M5	5.050	0.453	0.453	Pass	101.0
54	NMeFOSE	24448-09-7	5.91	616.1 / 58.9	1935379		48.798	N/A	N/A	N/A	97.6
55	NEtFOSE	1691-99-2	6.21	630.0 / 58.9	4957330		50.251	N/A	N/A	N/A	100.5
56	HFPO-DA	13252-13-6	2.31	285.0 / 169.0	2059509		20.689	0.892	0.892	Pass	103.4
57	HFPO-DA_2	13252-13-6	2.31	285.0 / 184.9	1836078		21.169	0.892	0.892	Pass	105.9
58	ADONA	919005-14-4	2.91	376.9 / 251.0	9095285		19.899	0.444	0.444	Pass	105.3
59	ADONA_2	919005-14-4	2.91	376.9 / 84.8	4041808		20.879	0.444	0.444	Pass	110.5
60	9Cl-PF3ONS	756426-58-1	4.47	530.8 / 351.1	7654121		18.697	0.359	0.359	Pass	100.0
61	9Cl-PF3ONS_2	756426-58-1	4.47	532.8 / 353.0	2746078		19.262	0.359	0.359	Pass	103.0
62	11Cl-PF3OUdS	763051-92-9	5.24	630.9 / 451.0	6120822		19.224	0.348	0.348	Pass	101.7
63	11Cl-PF3OUdS_2	763051-92-9	5.24	632.9 / 452.9	2129967		19.637	0.348	0.348	Pass	103.9
64	3:3FTCA	356-02-5	1.58	241.1 / 177.1	426688		24.270	0.698	0.698	Pass	97.1
65	3:3FTCA_2	356-02-5	1.58	241.1 / 117.0	297763		23.216	0.698	0.698	Pass	92.9
66	5:3FTCA	914637-49-3	3.21	341.1 / 237.1	7012054		138.003	0.979	0.979	Pass	110.4
67	5:3FTCA_2	914637-49-3	3.21	341.1 / 217.0	6866037		137.062	0.979	0.979	Pass	109.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	4.20	441.1 / 316.9	2908589		112.982	2.144	2.144	Pass	90.4
69	7:3FTCA_2	812-70-4	4.20	441.1 / 337.1	6236591		118.996	2.144	2.144	Pass	95.2
70	PFEESA	113507-82-7	2.41	315.1 / 135.0	4168031		9.383	0.077	0.077	Pass	105.2
71	PFEESA_2	113507-82-7	2.41	315.1 / 82.9	319907		9.015	0.077	0.077	Pass	101.1
72	PFMPA	377-73-1	0.75	229.0 / 85.0	1798687		9.522	N/A	N/A	N/A	95.2
73	PFMBA	863090-89-5	1.48	279.0 / 85.0	1893545		10.113	N/A	N/A	N/A	101.1
74	NFDHA	151772-58-6	1.94	295.0 / 201.0	1254989		10.804	0.632	0.632	Pass	108.0
75	NFDHA_2	151772-58-6	1.94	295.0 / 84.9	792597		10.606	0.632	0.632	Pass	106.1
76	TDCA	516-50-7	2.89	499.1 / 124.1	2228988		10.110	4.812	4.812	Pass	101.1
77	TDCA_2	516-50-7	2.89	499.1 / 79.9	10725482		9.695	4.812	4.812	Pass	97.0
78	13C2D4-4:2FTS	Surr	1.77	333.2 / 312.1	131990		4.437	N/A	N/A	N/A	88.7
79	13C2-PFOA	Surr	3.20	415.0 / 370.0	279836		2.844	N/A	N/A	N/A	113.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.59	217.0 / 172.0	2484581		10.637	NA	NA	NA	106.4

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C5-PFPeA	EIS	1.18	268.0 / 223.0	732783		5.363	NA	NA	NA	107.3
13C5-PFHxA	EIS	2.03	318.0 / 273.0	319824		2.528	NA	NA	NA	101.1
13C4-PFHpA	EIS	2.71	367.0 / 322.0	611166		2.664	NA	NA	NA	106.6
13C8-PFOA	EIS	3.20	420.8 / 376.0	799019		2.683	NA	NA	NA	107.3
13C9-PFNA	EIS	3.63	472.0 / 427.0	380559		1.416	NA	NA	NA	113.3
13C6-PFDA	EIS	4.03	519.0 / 474.0	380848		1.363	NA	NA	NA	109.0
13C7-PFUnA	EIS	4.43	570.0 / 525.0	386408		1.342	NA	NA	NA	107.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.81	615.1 / 570.0	341065		1.280	NA	NA	NA	102.4
	13C2-PFTeDA	EIS	5.55	715.1 / 670.1	234764		1.330	NA	NA	NA	106.4
	13C3-PFBS	EIS	2.03	302.1 / 80.1	341017		2.152	NA	NA	NA	92.4
	13C3-PFHxS	EIS	3.31	402.1 / 80.1	345816		2.555	NA	NA	NA	107.8
	13C8-PFOS	EIS	4.18	507.1 / 80.1	384592		2.505	NA	NA	NA	104.4
	13C2-4:2FTS	EIS	1.78	329.1 / 81.1	86333		4.277	NA	NA	NA	91.2
	13C2-6:2FTS	EIS	3.02	429.2 / 81.1	71678		4.353	NA	NA	NA	91.5
	13C2-8:2FTS	EIS	3.86	529.2 / 81.1	84751		4.369	NA	NA	NA	91.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	5.32	506.1 / 78.1	626852		2.484	NA	NA	NA	99.4
	d3-NMeFOSA	EIS	6.04	515.2 / 219.0	109628		2.417	NA	NA	NA	96.7
	d5-NEtFOSA	EIS	6.32	531.2 / 219.0	95083		2.444	NA	NA	NA	97.7
	d3-NMeFOSAA	EIS	4.14	573.2 / 419.1	343935		5.405	NA	NA	NA	108.1
	d5-NEtFOSAA	EIS	4.34	589.3 / 419.1	130176		4.808	NA	NA	NA	96.2
	d7-NMeFOSE	EIS	5.89	623.2 / 58.9	354093		25.178	NA	NA	NA	100.7
	d9-NEtFOSE	EIS	6.18	639.2 / 58.9	792438		24.499	NA	NA	NA	98.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.30	287.0 / 169.0	984546		10.393	NA	NA	NA	103.9
	13C3-PFBA	NIS	0.59	216.0 / 172.0	1047439		5.334	NA	NA	NA	106.7
	13C2-PFHxA	NIS	2.03	315.0 / 270.0	487307		2.505	NA	NA	NA	100.2
	13C4-PFOA	NIS	3.20	417.0 / 372.0	204795		2.427	NA	NA	NA	97.1
	13C5-PFNA	NIS	3.63	468.0 / 423.0	351038		1.251	NA	NA	NA	100.1
	13C2-PFDA	NIS	4.03	515.1 / 470.1	327376		1.270	NA	NA	NA	101.6
	18O2-PFHxS	NIS	3.31	403.1 / 84.1	267271		2.683	NA	NA	NA	113.2
	13C4-PFOS	NIS	4.18	503.1 / 80.1	281269		2.577	NA	NA	NA	107.4

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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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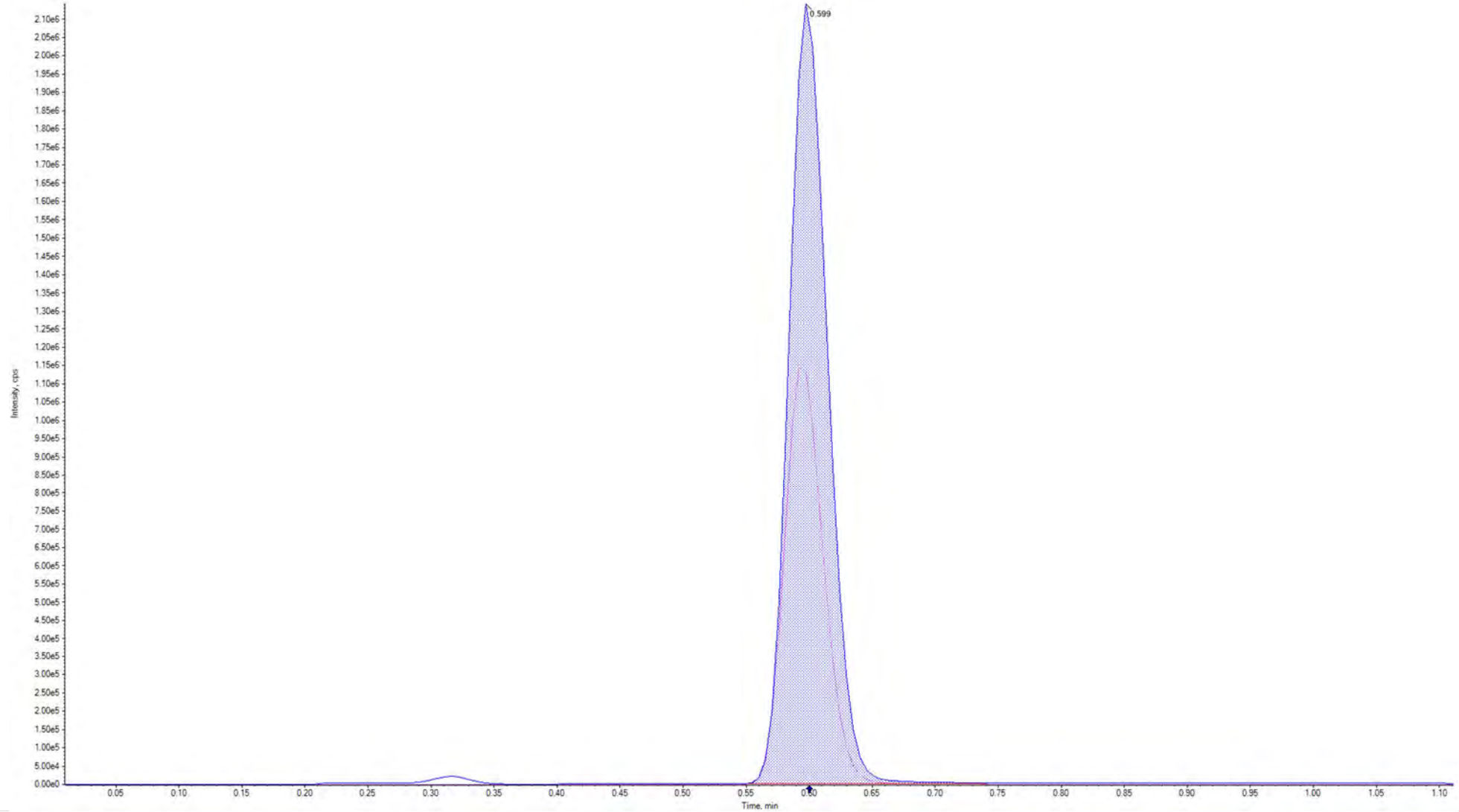

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PFPeA
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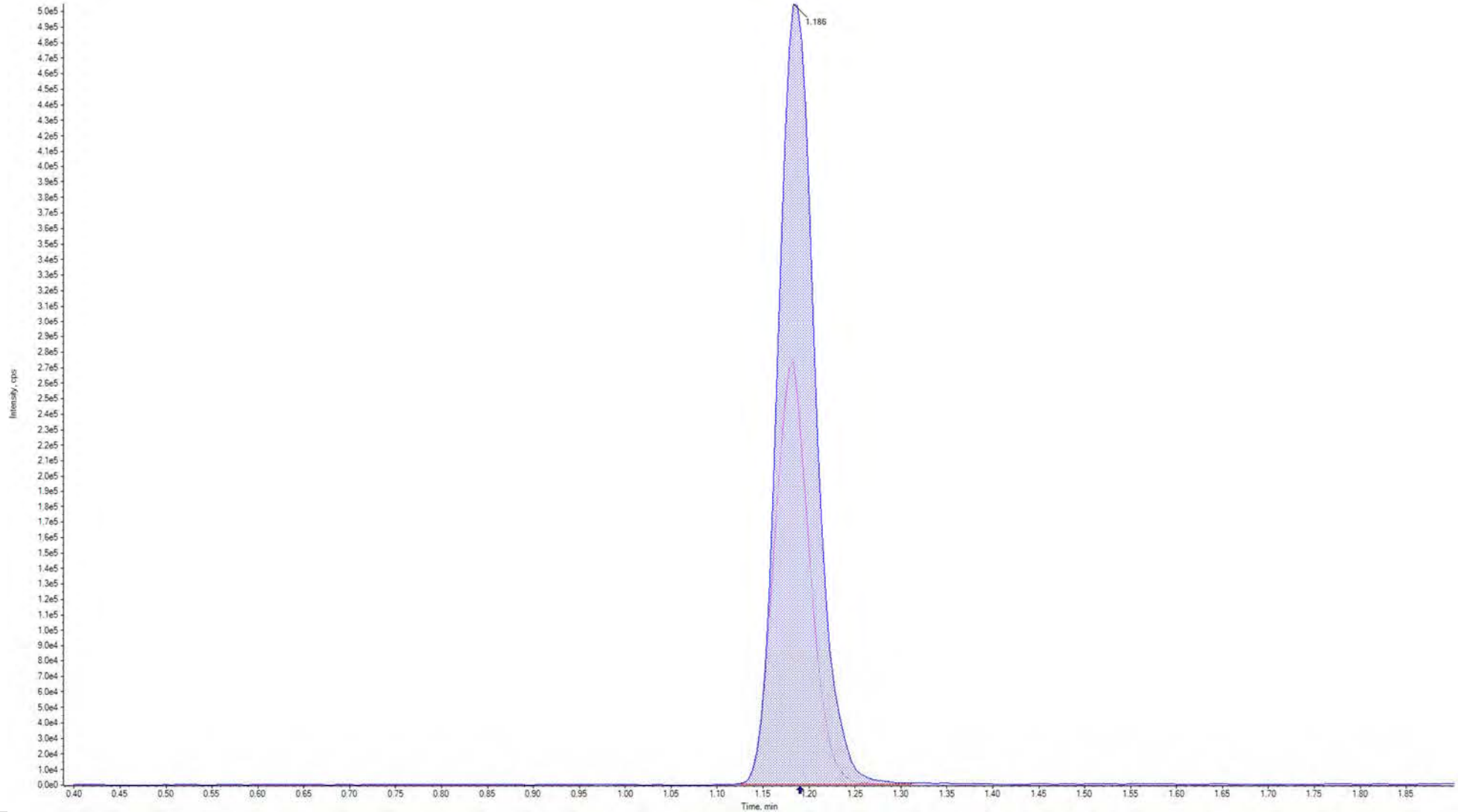

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PFPeA_2
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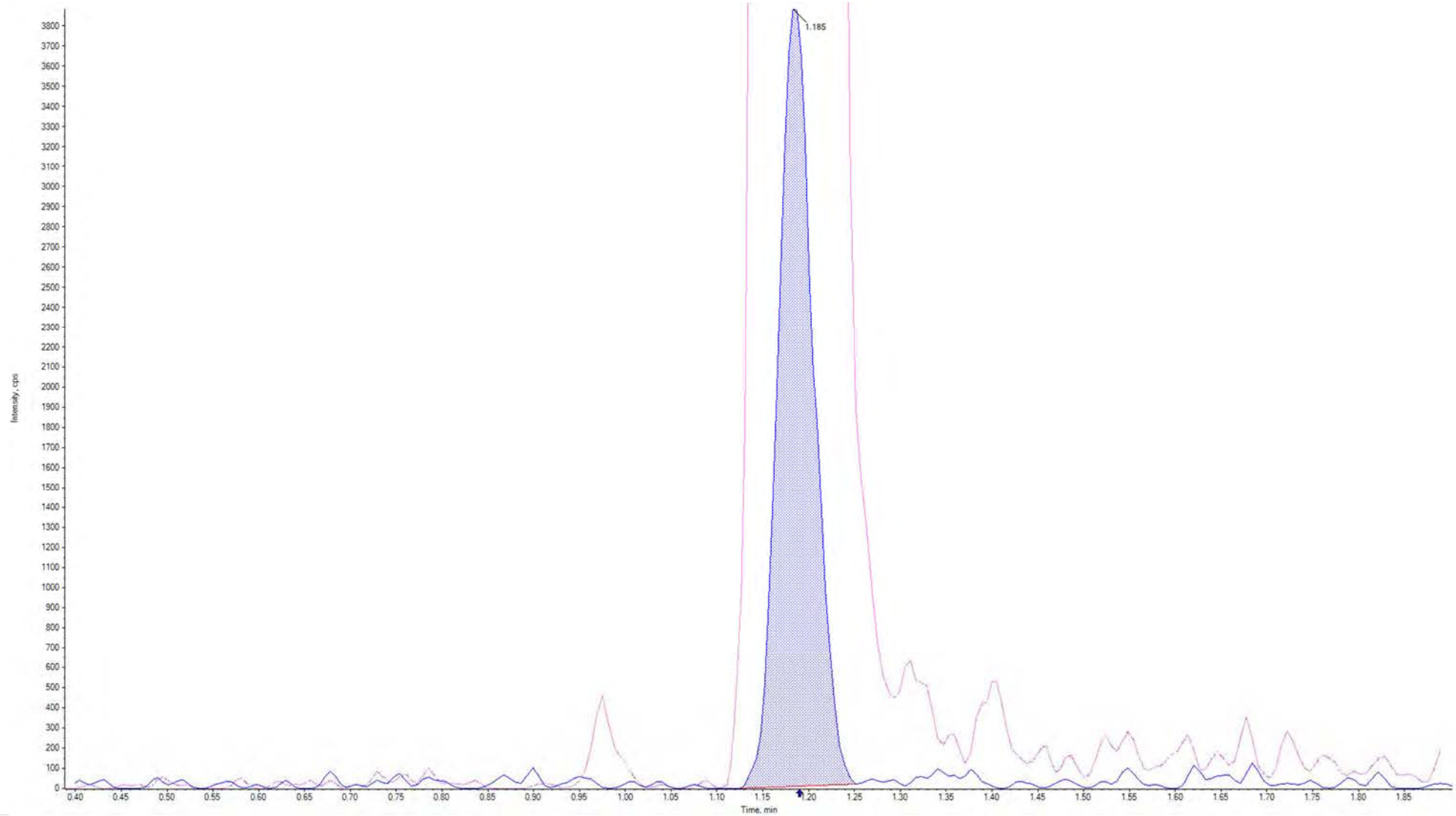

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Alpha Analytical LLC
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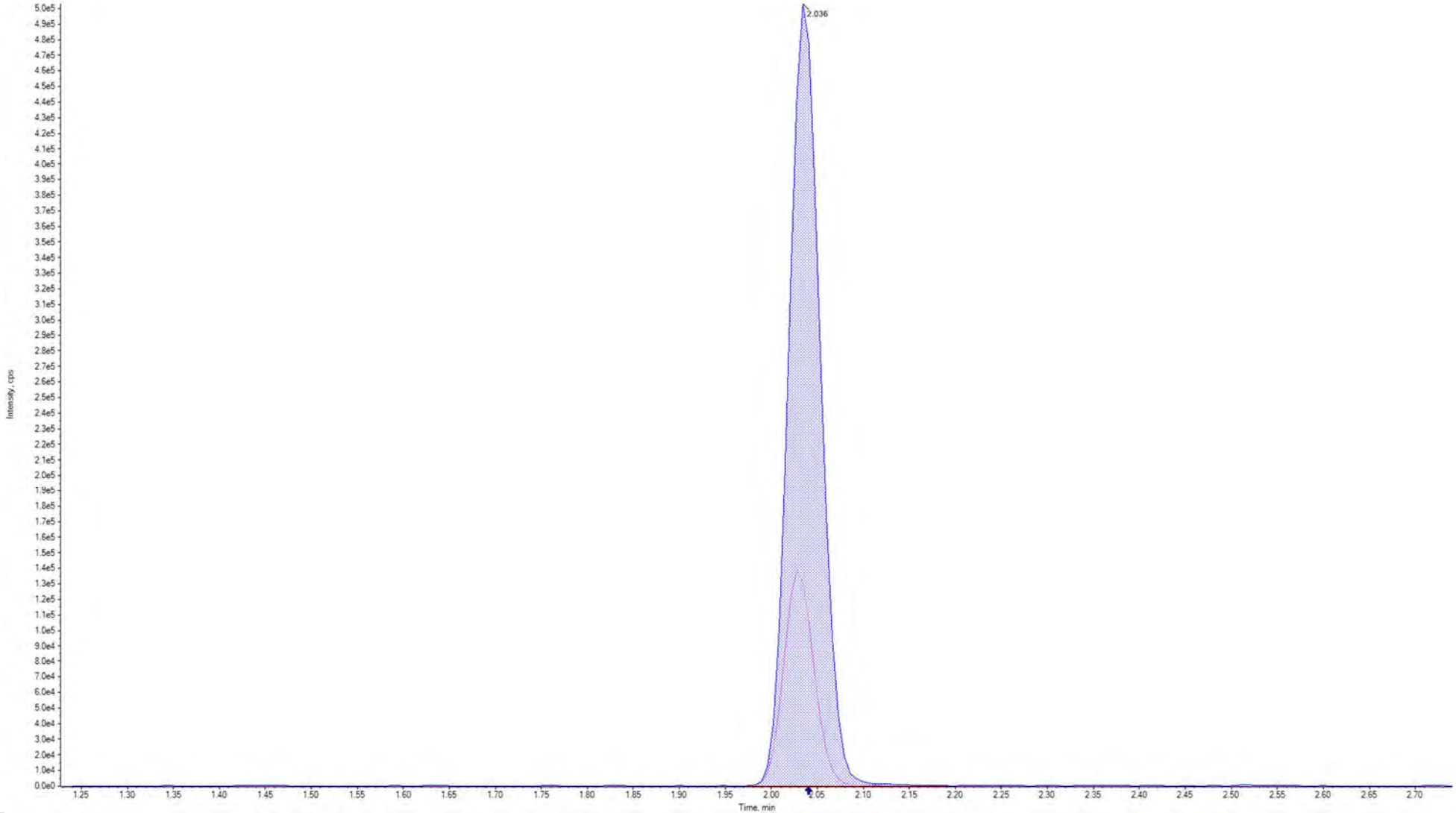
PFHxA
Sample: IA1633STD-5 S/N:10079.6 Points Across peak:36



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PFHxA_2
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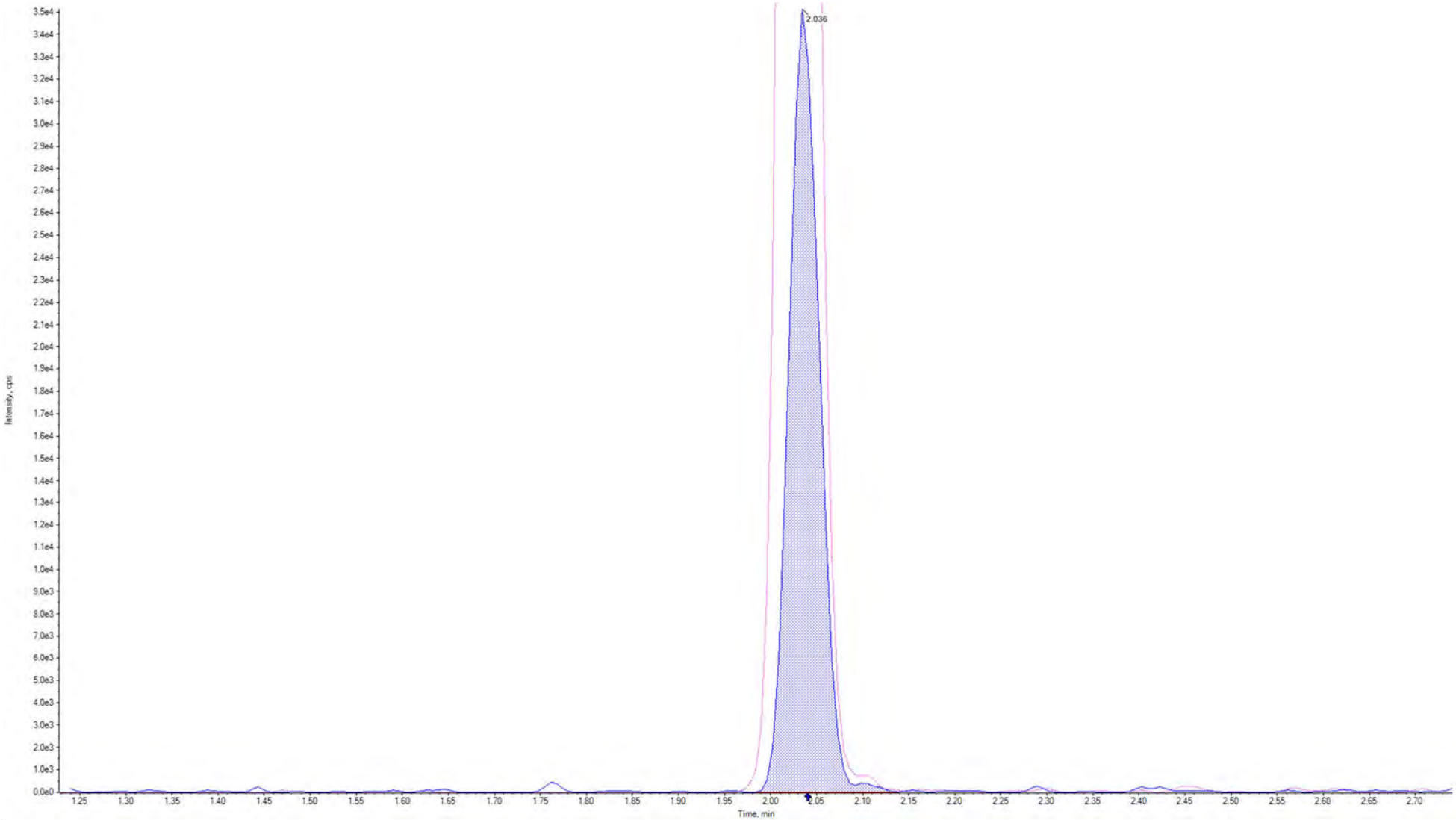

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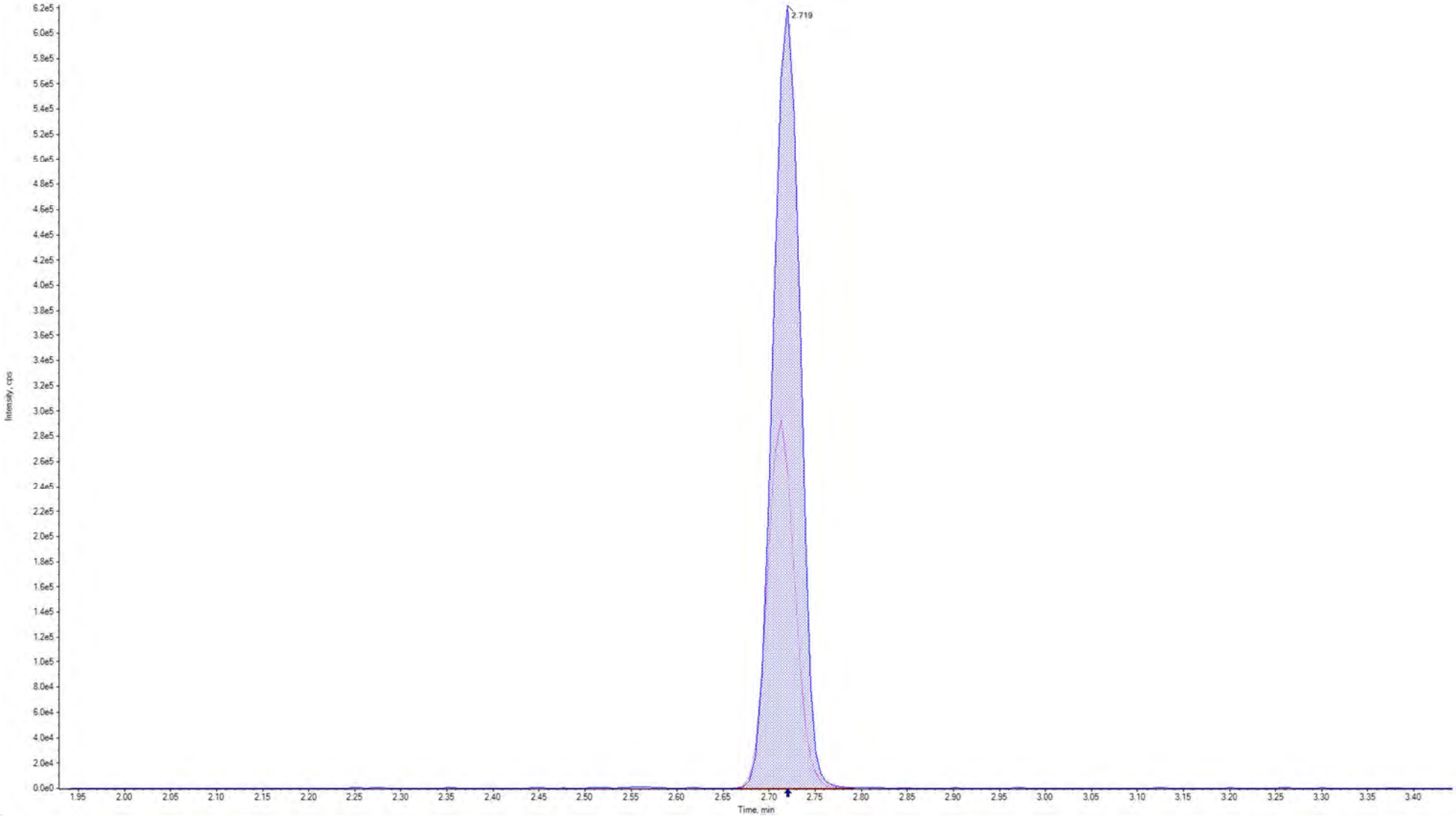
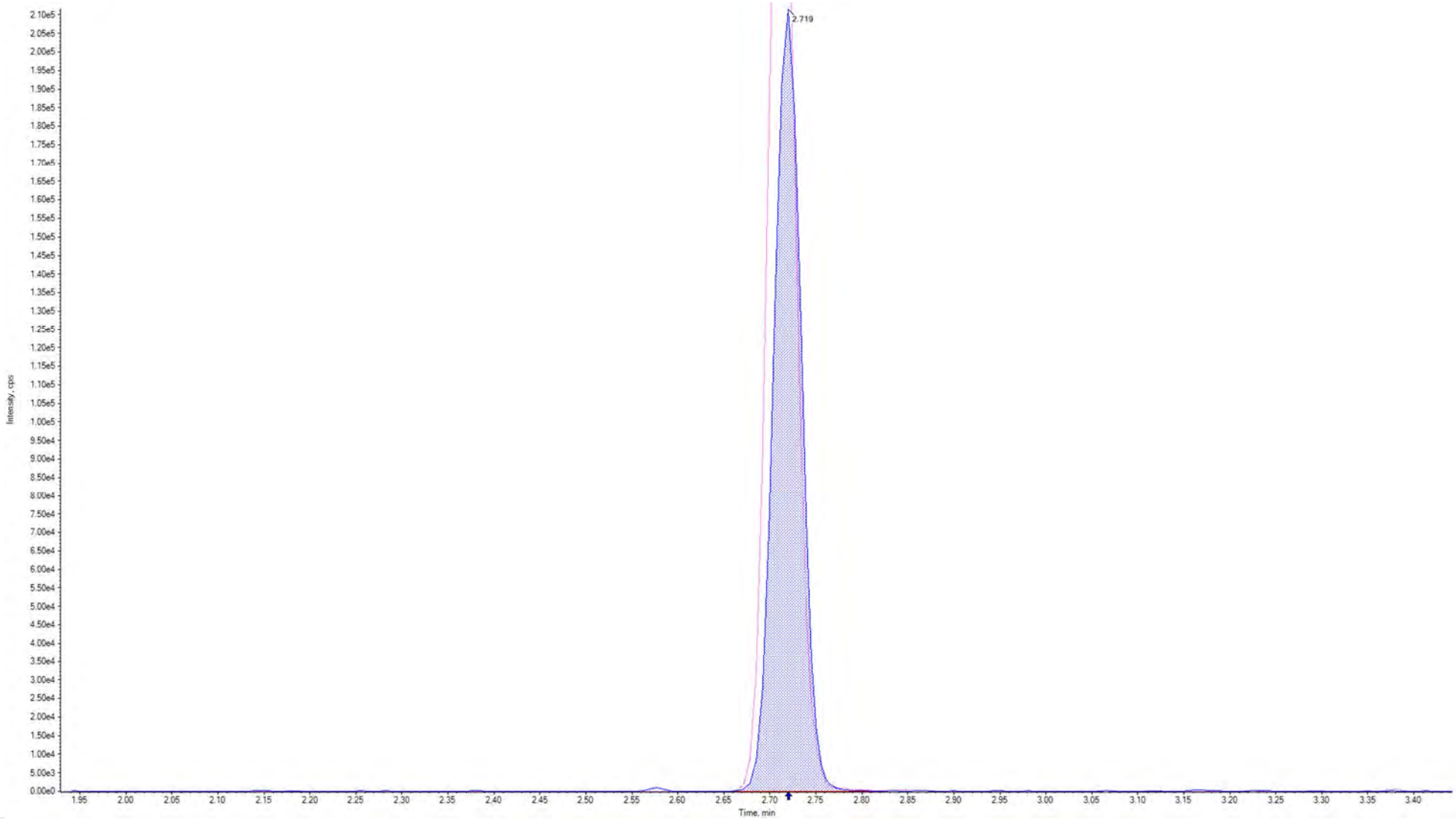
PFHpA
Sample: IA1633STD-5 S/N:9352.3 Points Across peak:23



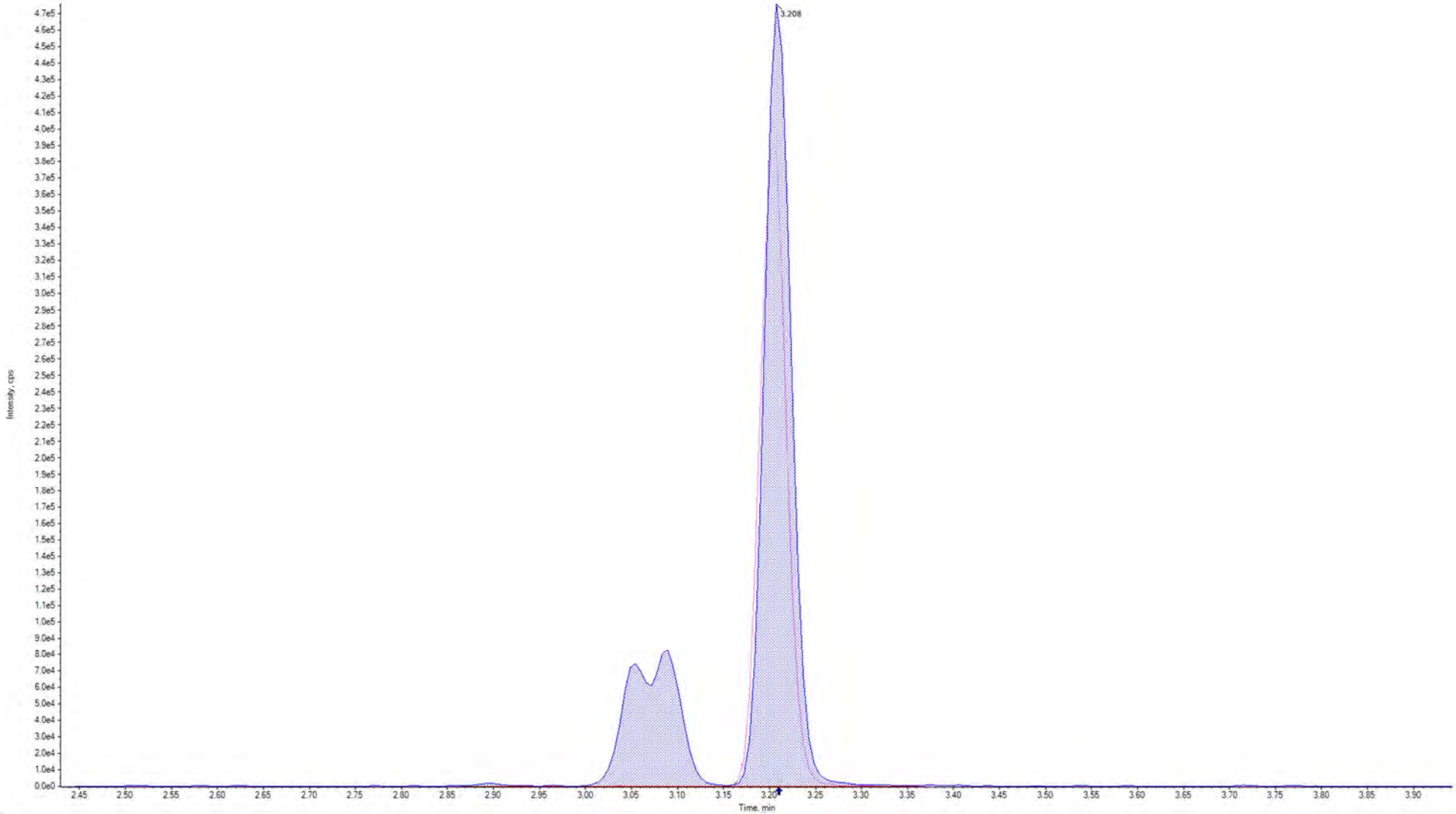
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_29.wiff2_4
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

PFHpA_2
Sample: IA1633STD-5 S/N:3180.9 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\250228\SCI07_250228_29.wiff2_4
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

PFOA
Sample: IA1633STD-5 S/N:1117.6 Points Across peak:85



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_29.wiff2_4
Last Altered: 3/1/2025 8:41:50 AM
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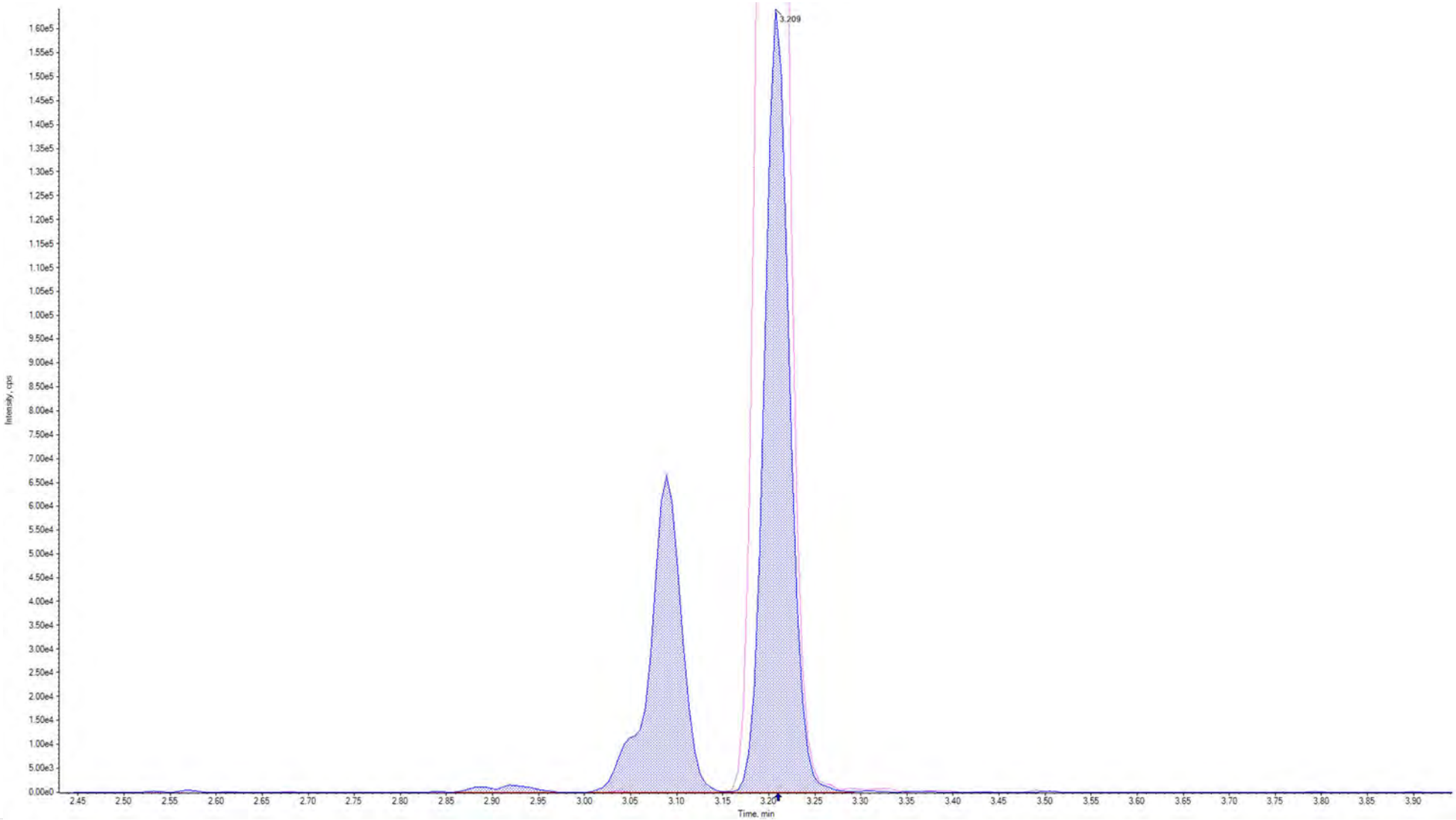
PFOA_2
Sample: IA1633STD-5 S/N:1057.7 Points Across peak:76



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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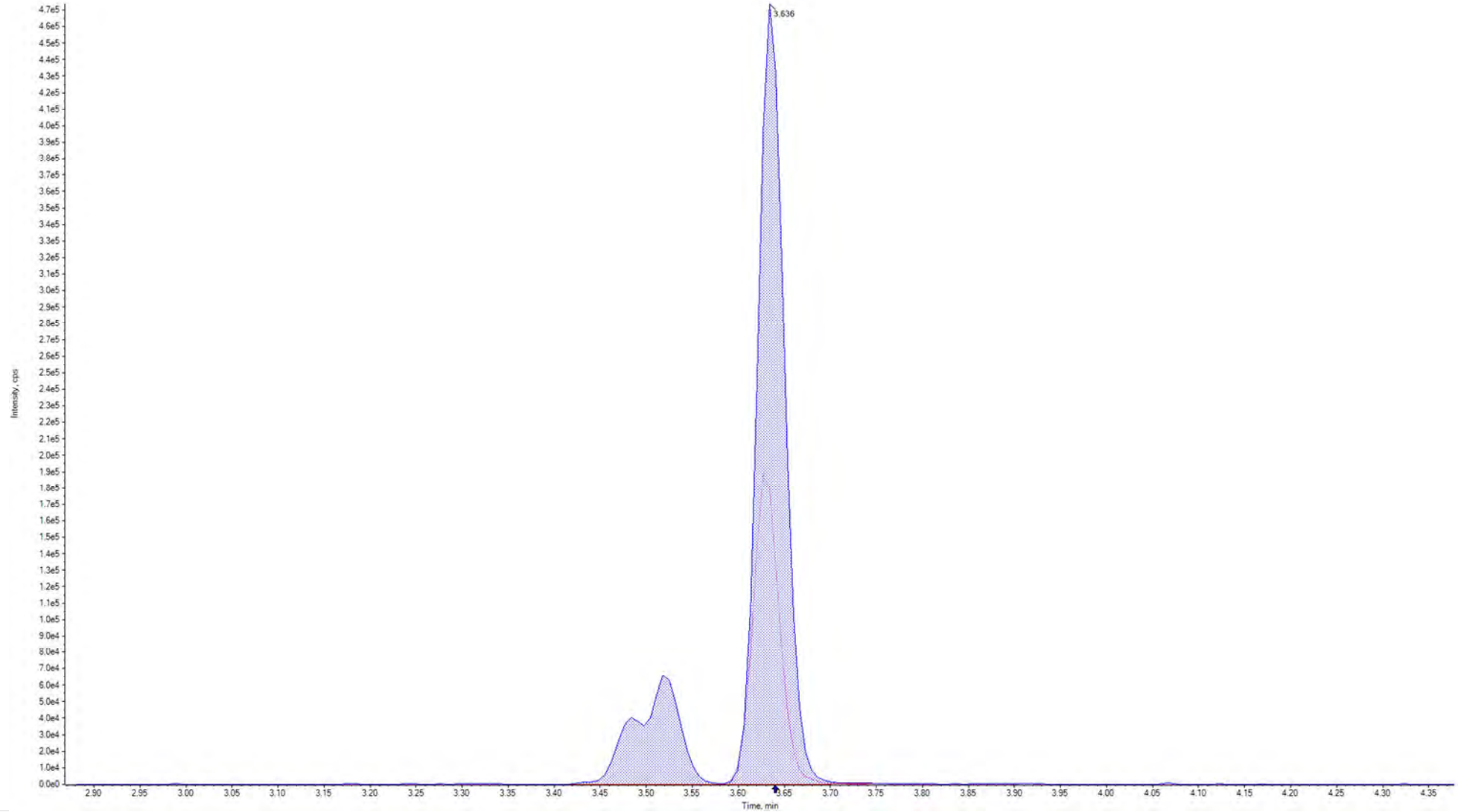
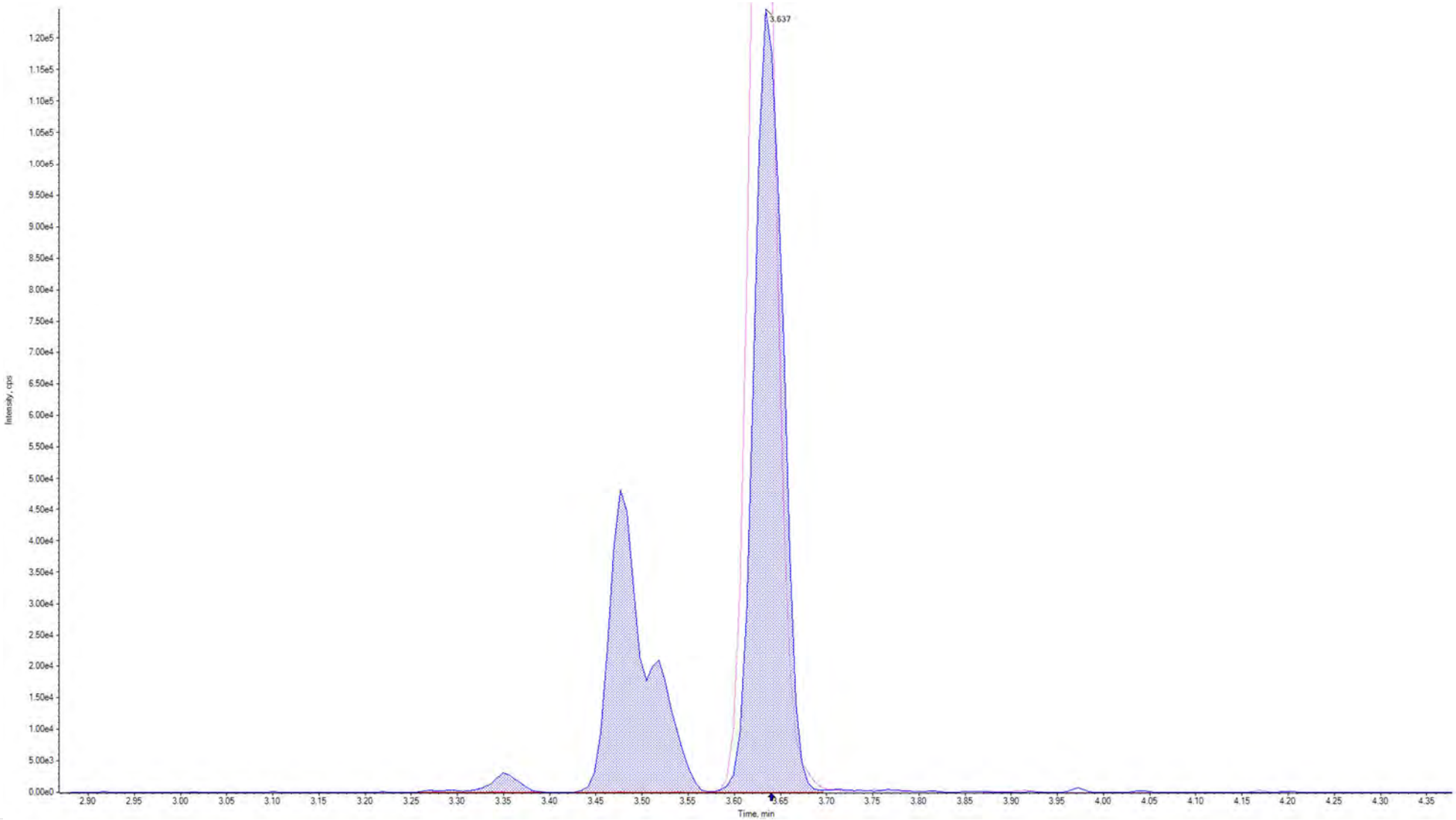
PFNA
Sample: IA1633STD-5 S/N:1575.2 Points Across peak:54



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_29.wiff2_4
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

PFNA_2
Sample: IA1633STD-5 S/N:773.8 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\250228\SCI07_250228_29.wiff2_4
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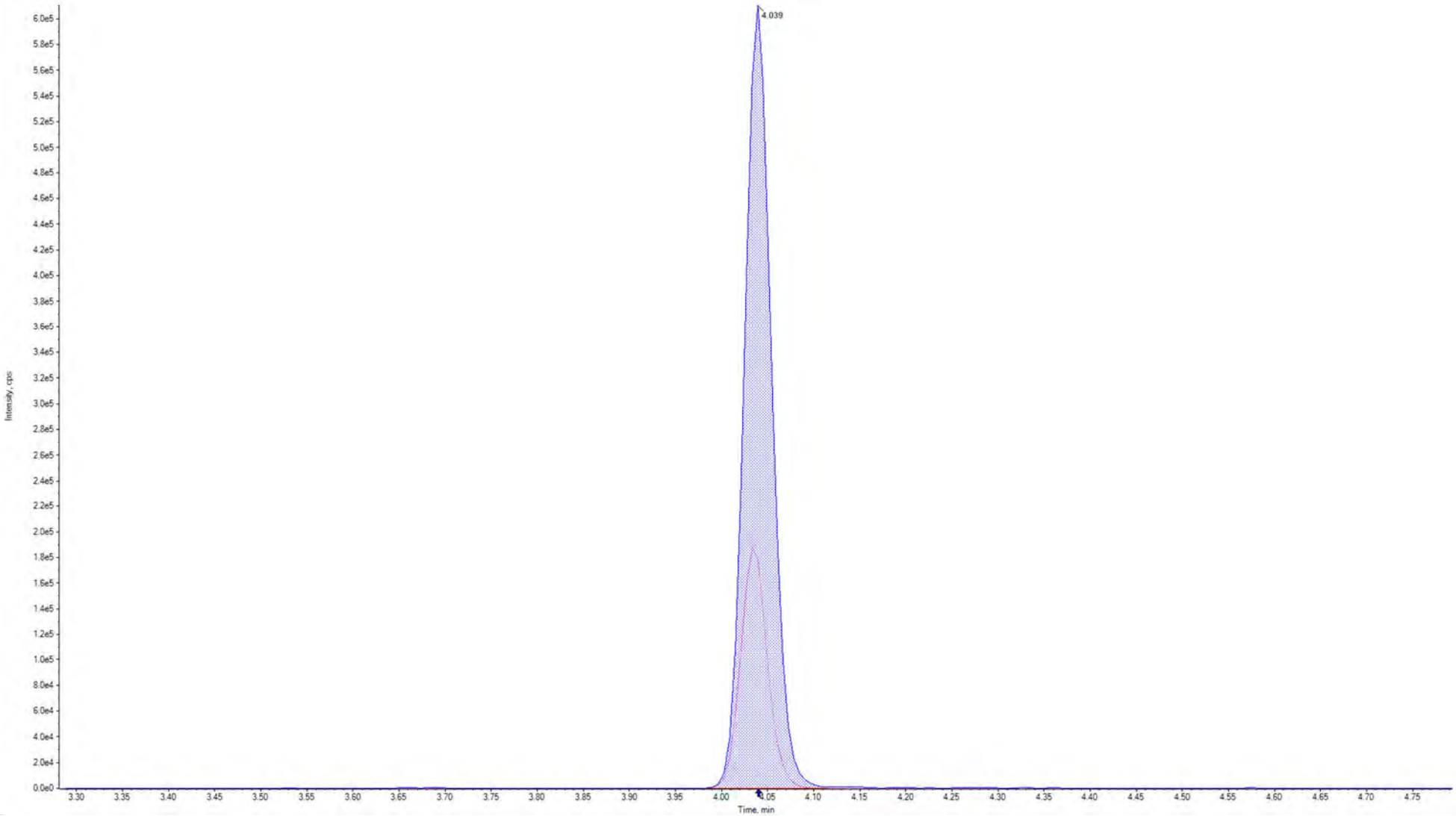
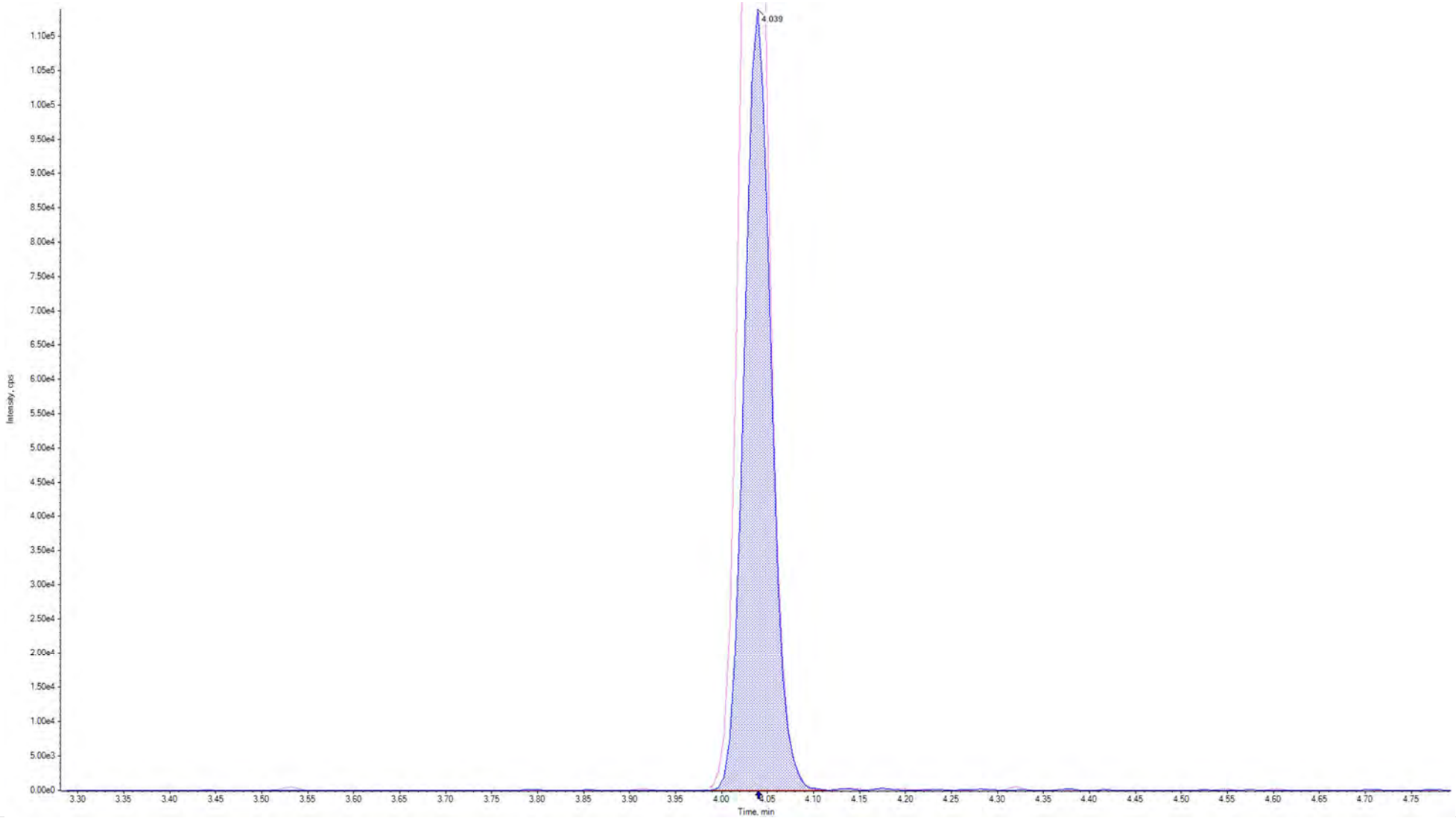
Generated: 2/28/2025 12:43:00 PM

PFDA
Sample: IA1633STD-5 S/N:5524.8 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\250228\SCI07_250228_29.wiff2_4
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

PFDA_2
Sample: IA1633STD-5 S/N:1427.5 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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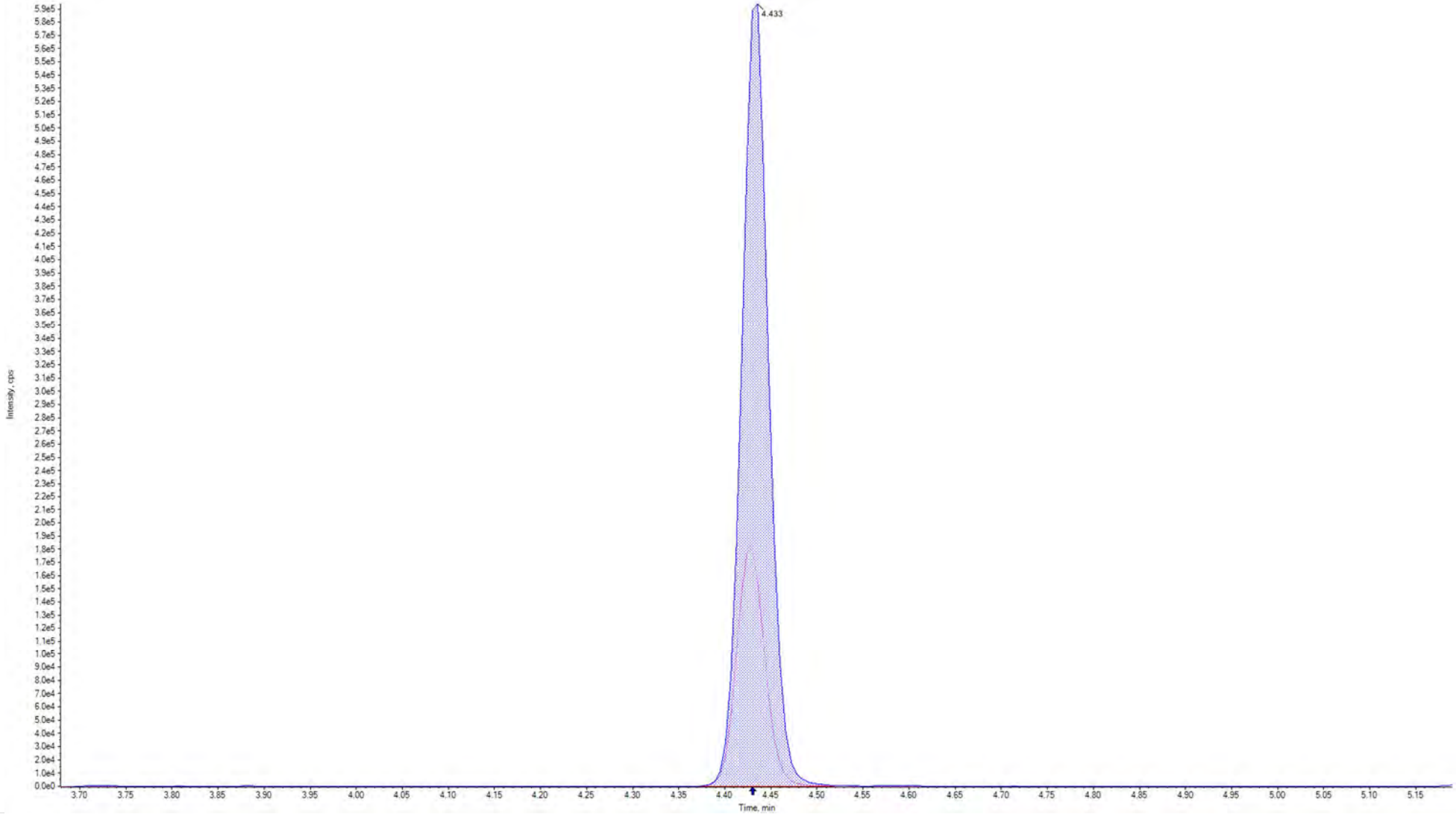
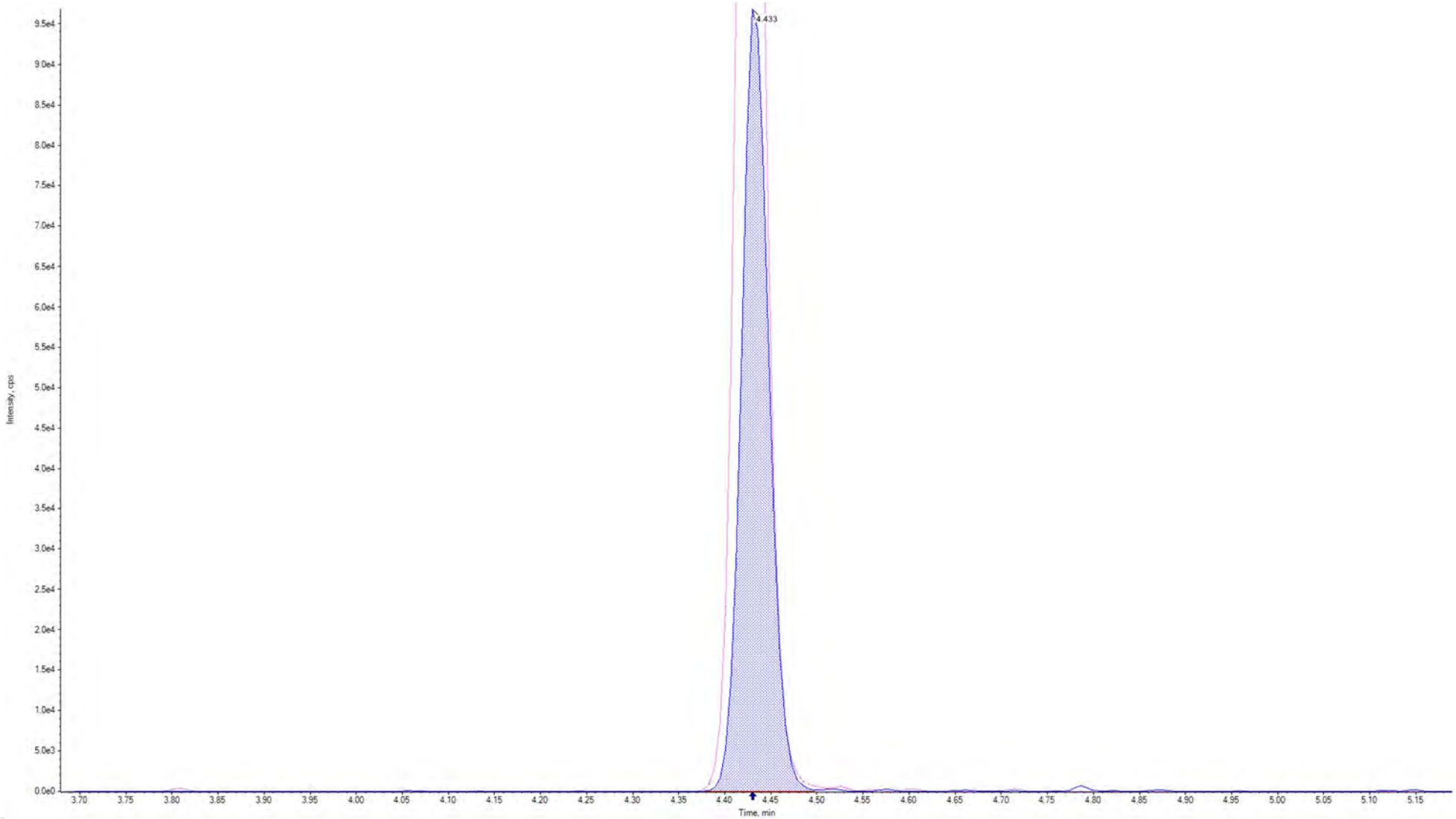
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

PFUnA
Sample: IA1633STD-5 S/N:8928.2 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\250228\SCI07_250228_29.wiff2_4
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

PFUnA_2
Sample: IA1633STD-5 S/N:1455.8 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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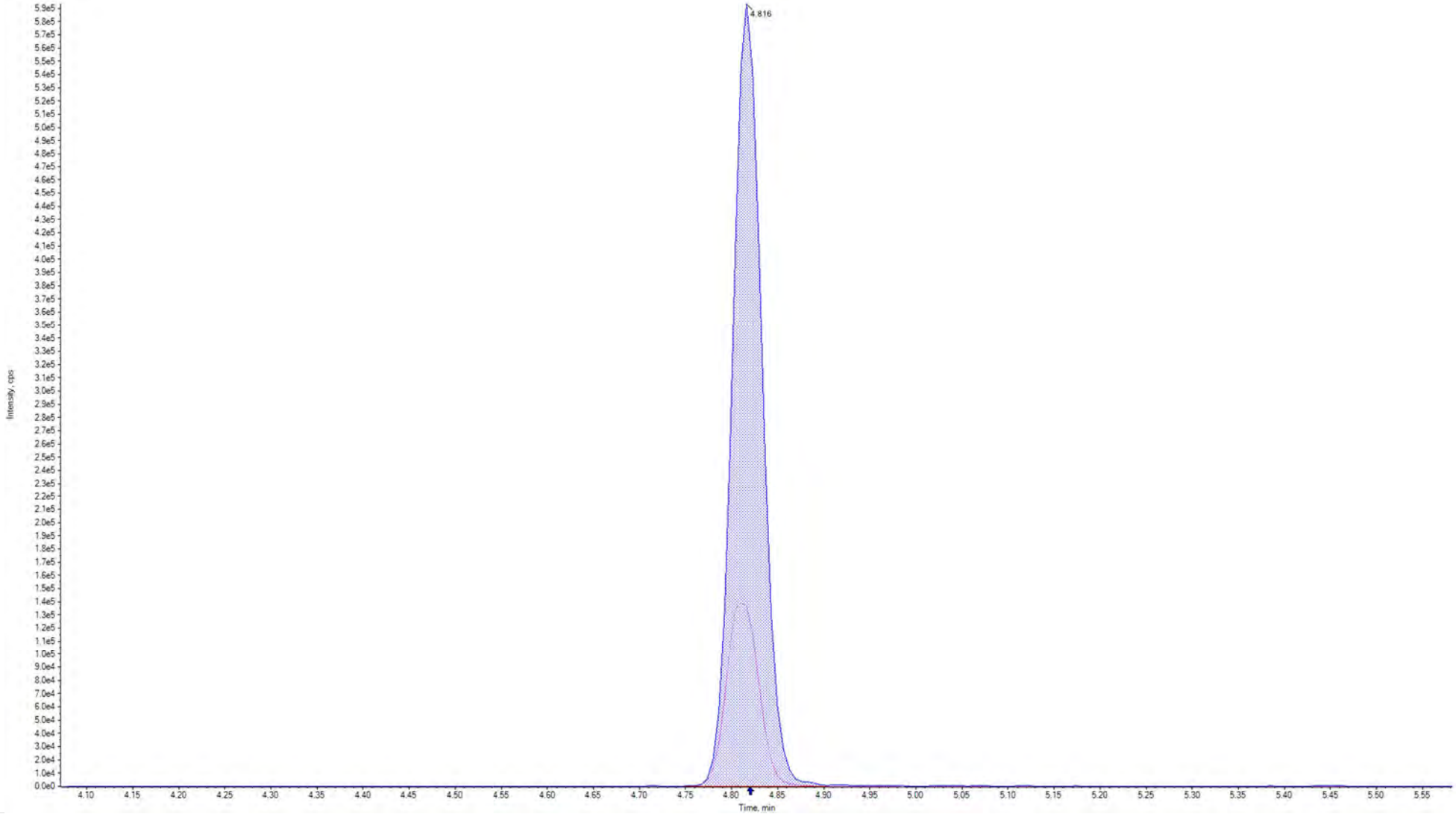
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

PFDoA
Sample: IA1633STD-5 S/N:5778.8 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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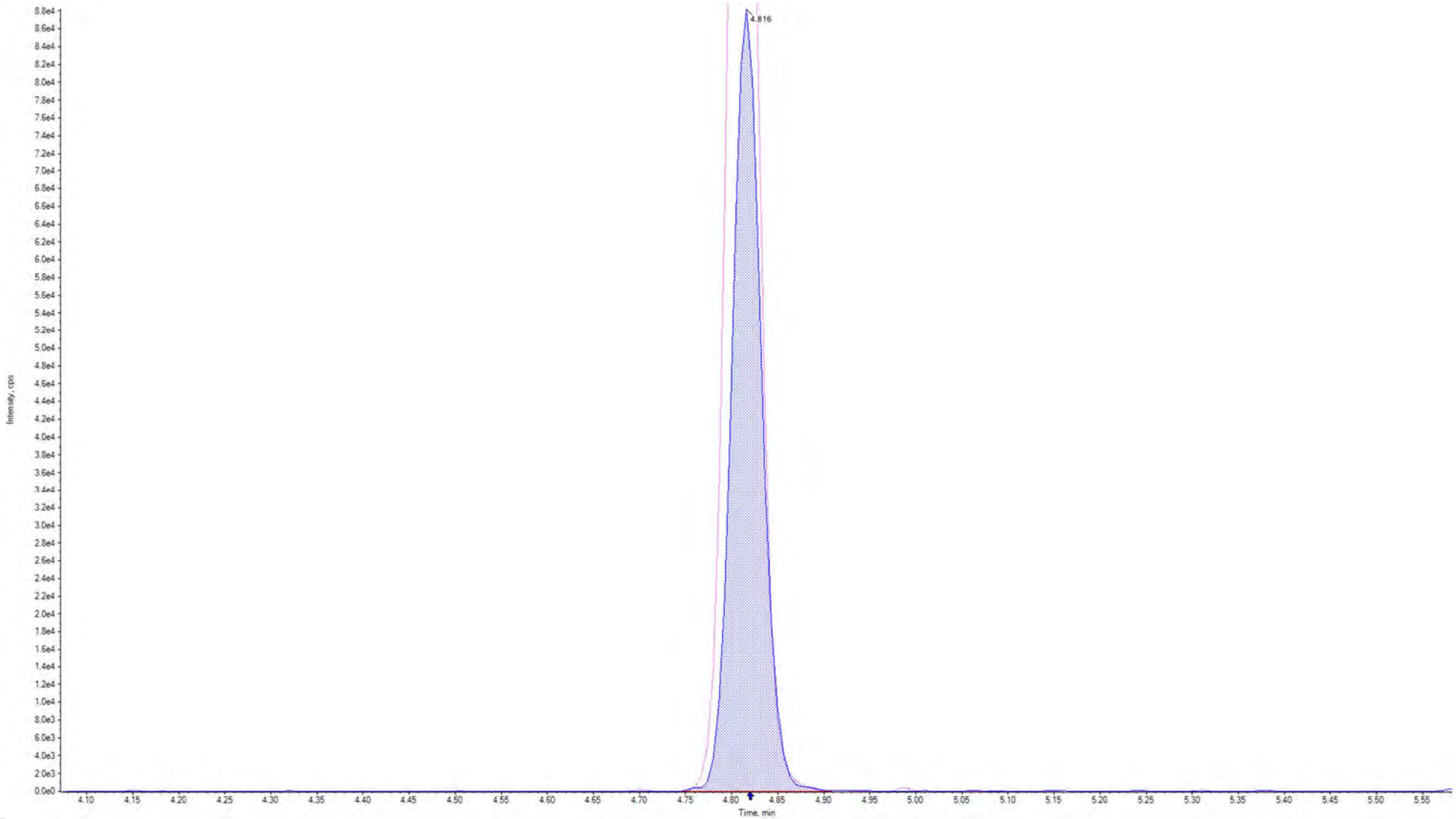
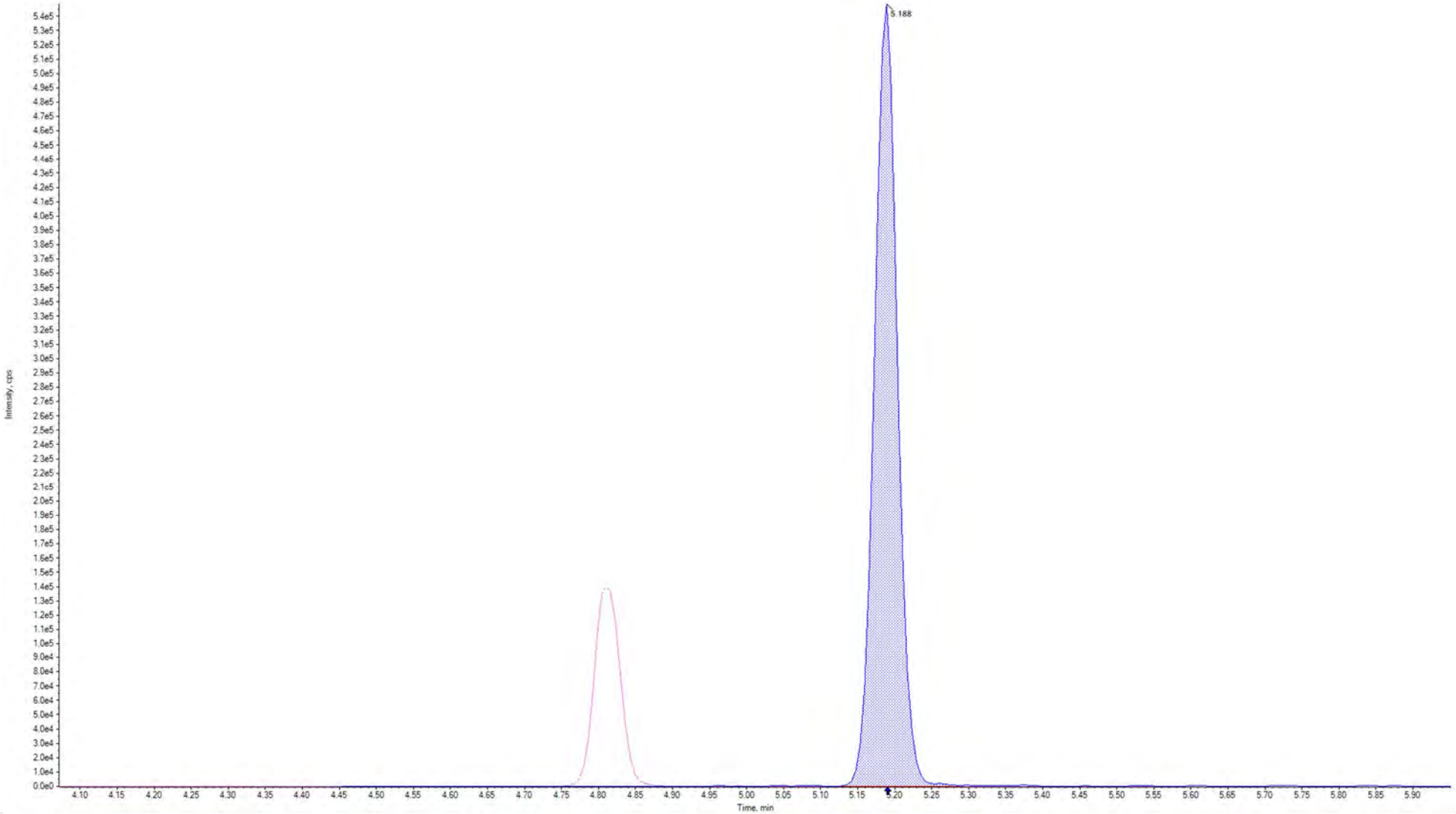
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

PFDoA_2
Sample: IA1633STD-5 S/N:1547.6 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\250228\SCI07_250228_29.wiff2_4
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

PFTrDA
Sample: IA1633STD-5 S/N:4426.2 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\250228\SCI07_250228_29.wiff2_4
Last Altered: 3/1/2025 8:41:50 AM
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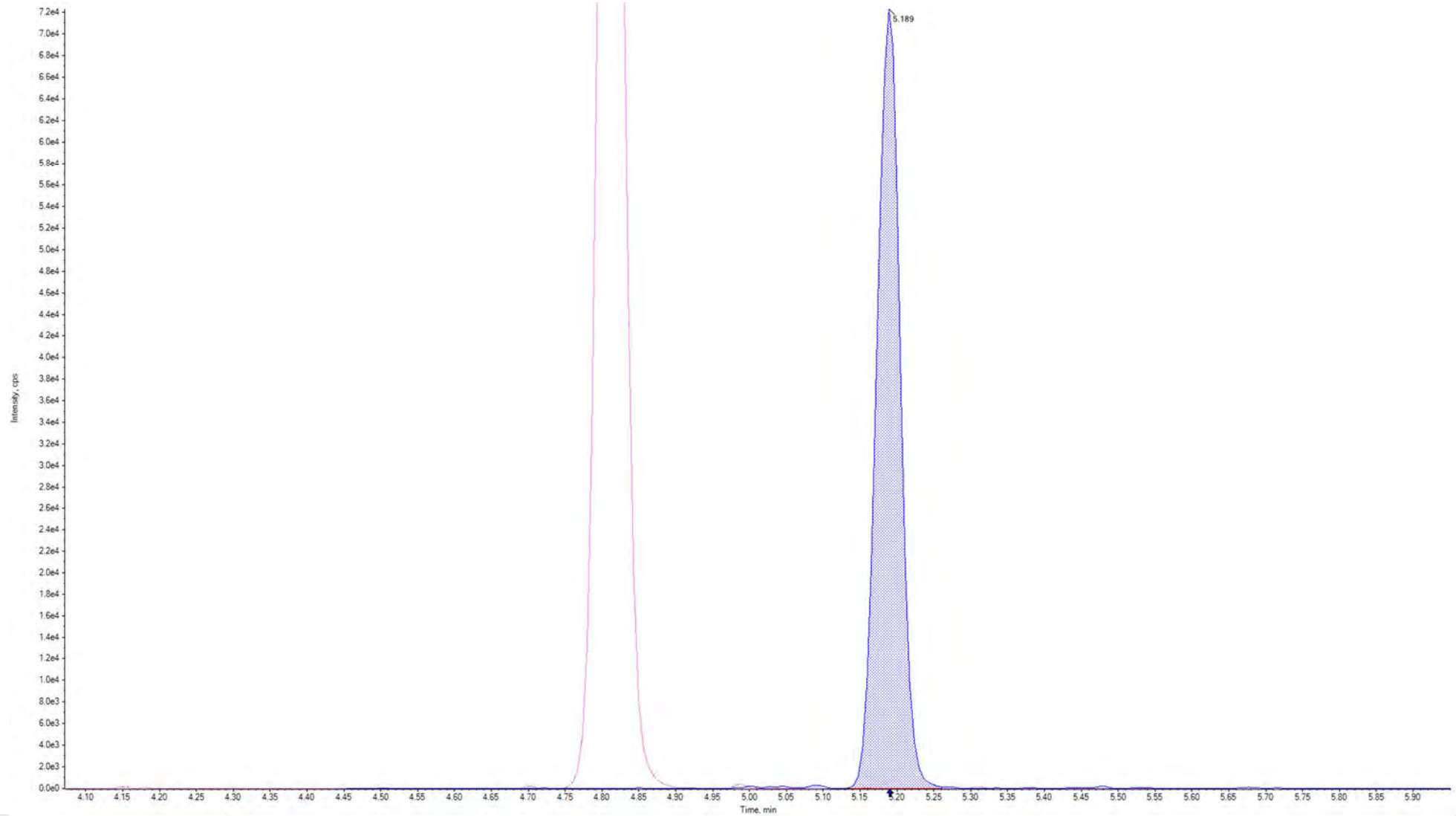
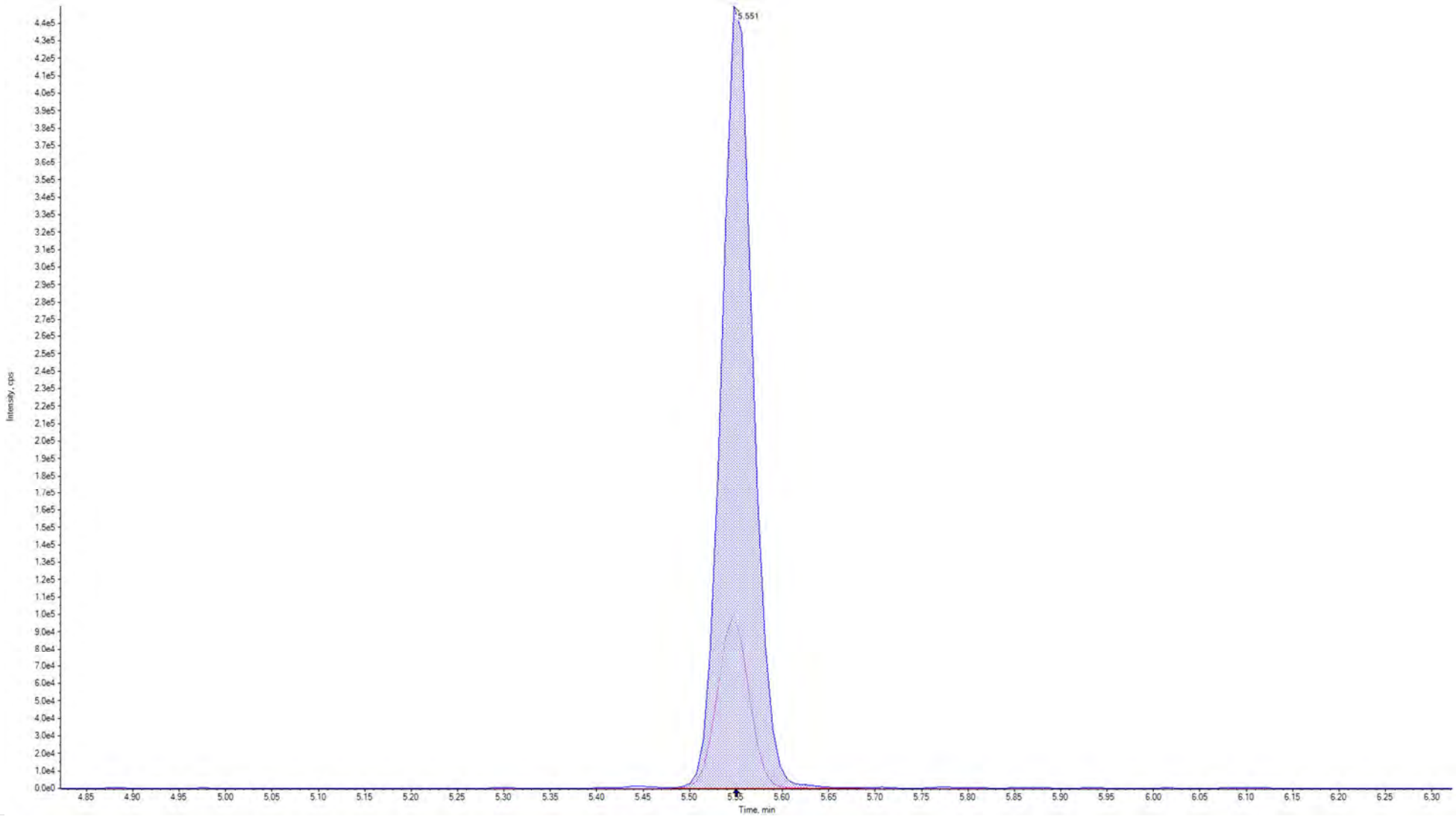
PFTrDA_2
Sample: IA1633STD-5 S/N:1448.7 Points Across peak:24



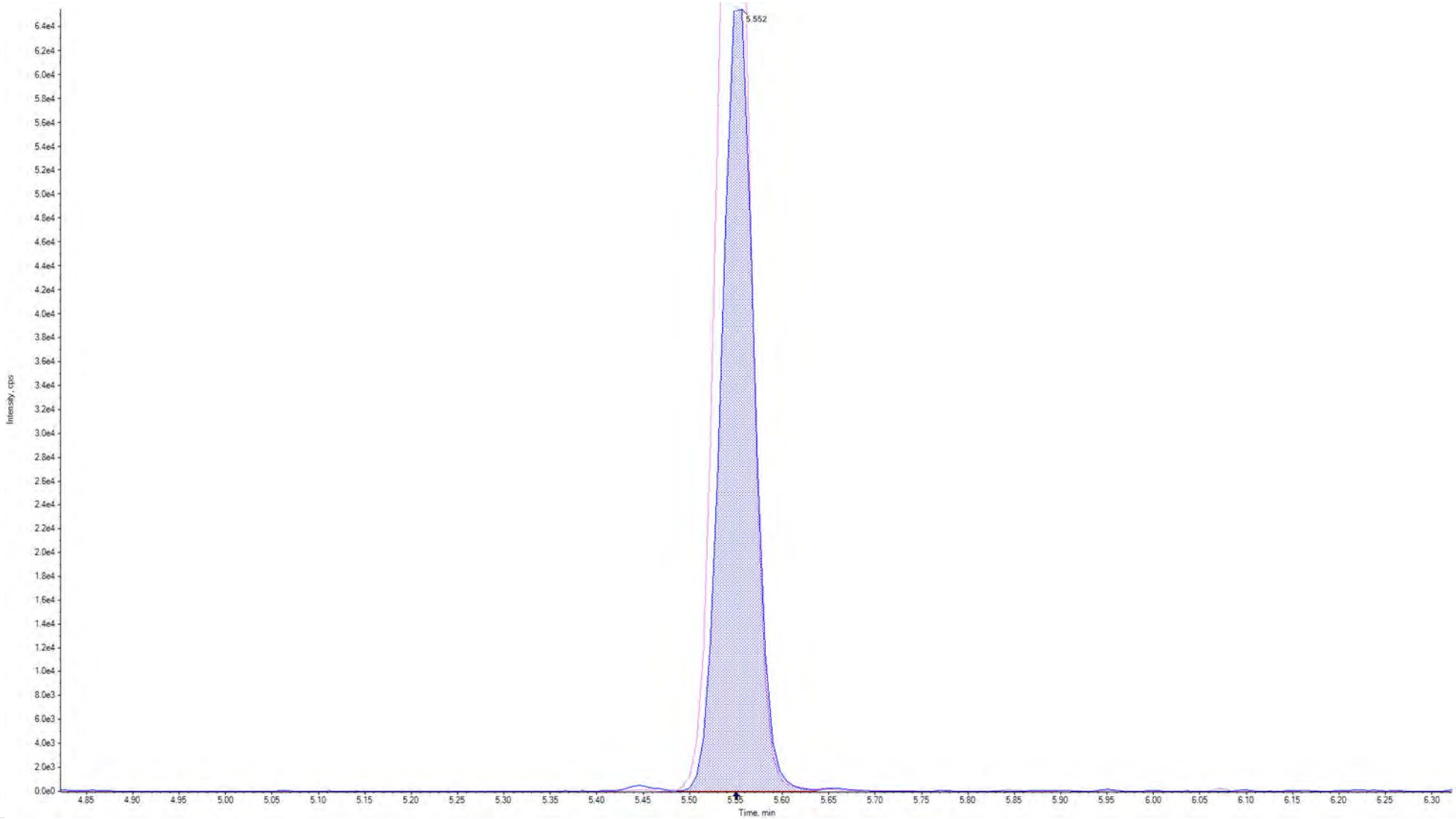
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_29.wiff2_4
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

PFTeDA
Sample: IA1633STD-5 S/N:12399.4 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\250228\SCI07_250228_29.wiff2_4
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

PFTeDA_2
Sample: IA1633STD-5 S/N:1804.6 Points Across peak:20



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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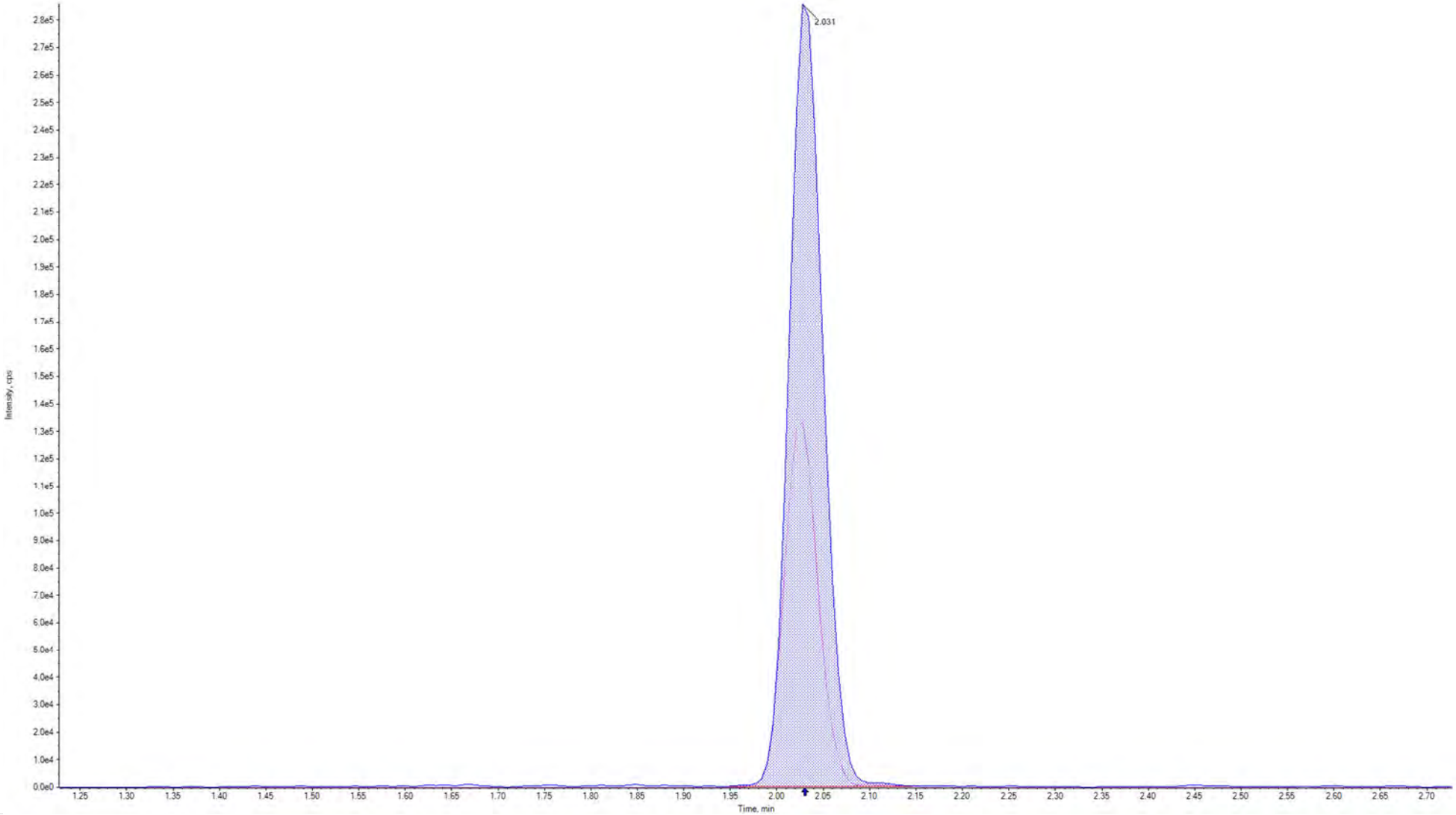
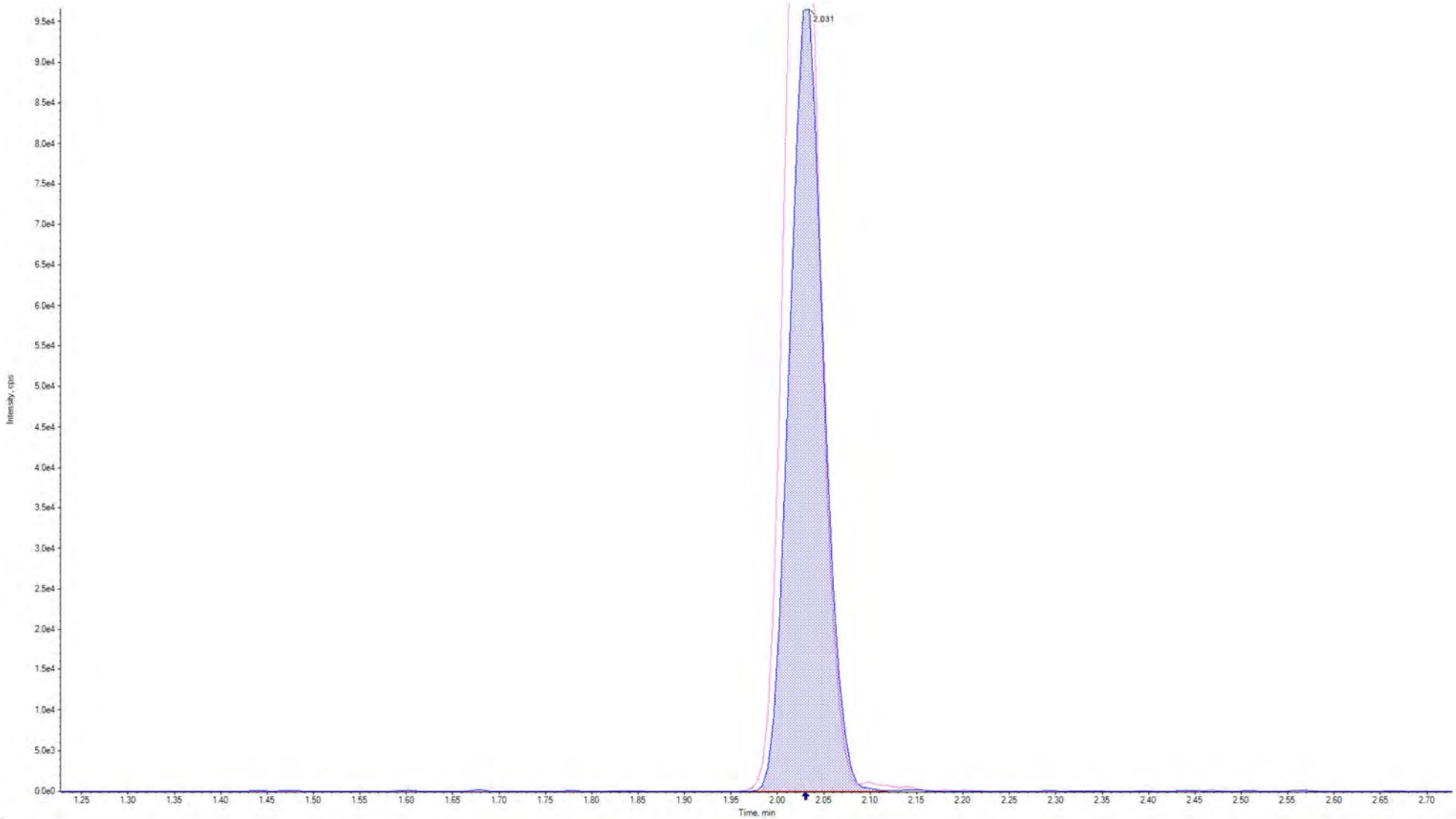
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

PFBS
Sample: IA1633STD-5 S/N:5723.8 Points Across peak:33



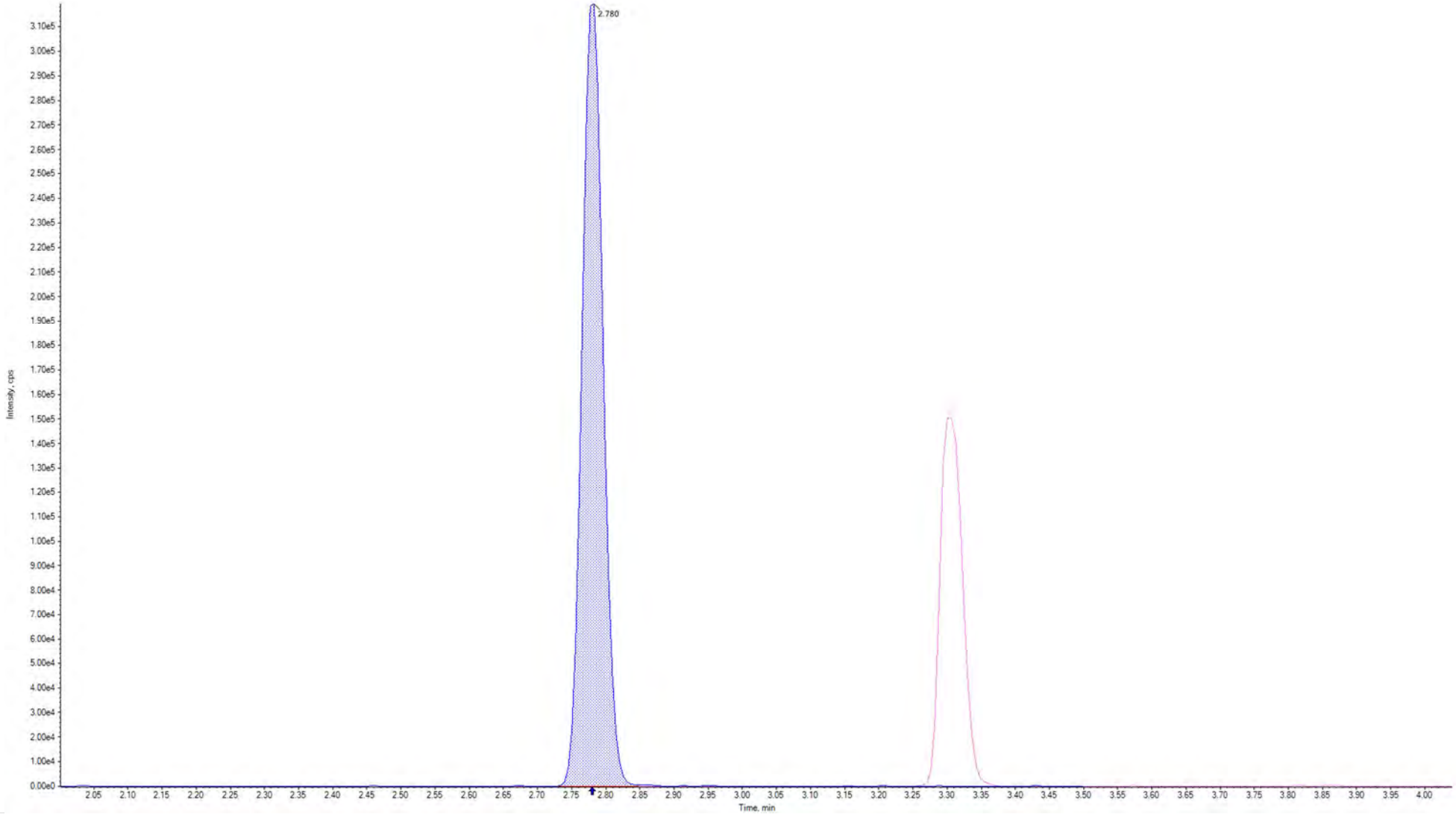
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_29.wiff2_4
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

PFBS_2
Sample: IA1633STD-5 S/N:1935.2 Points Across peak:27



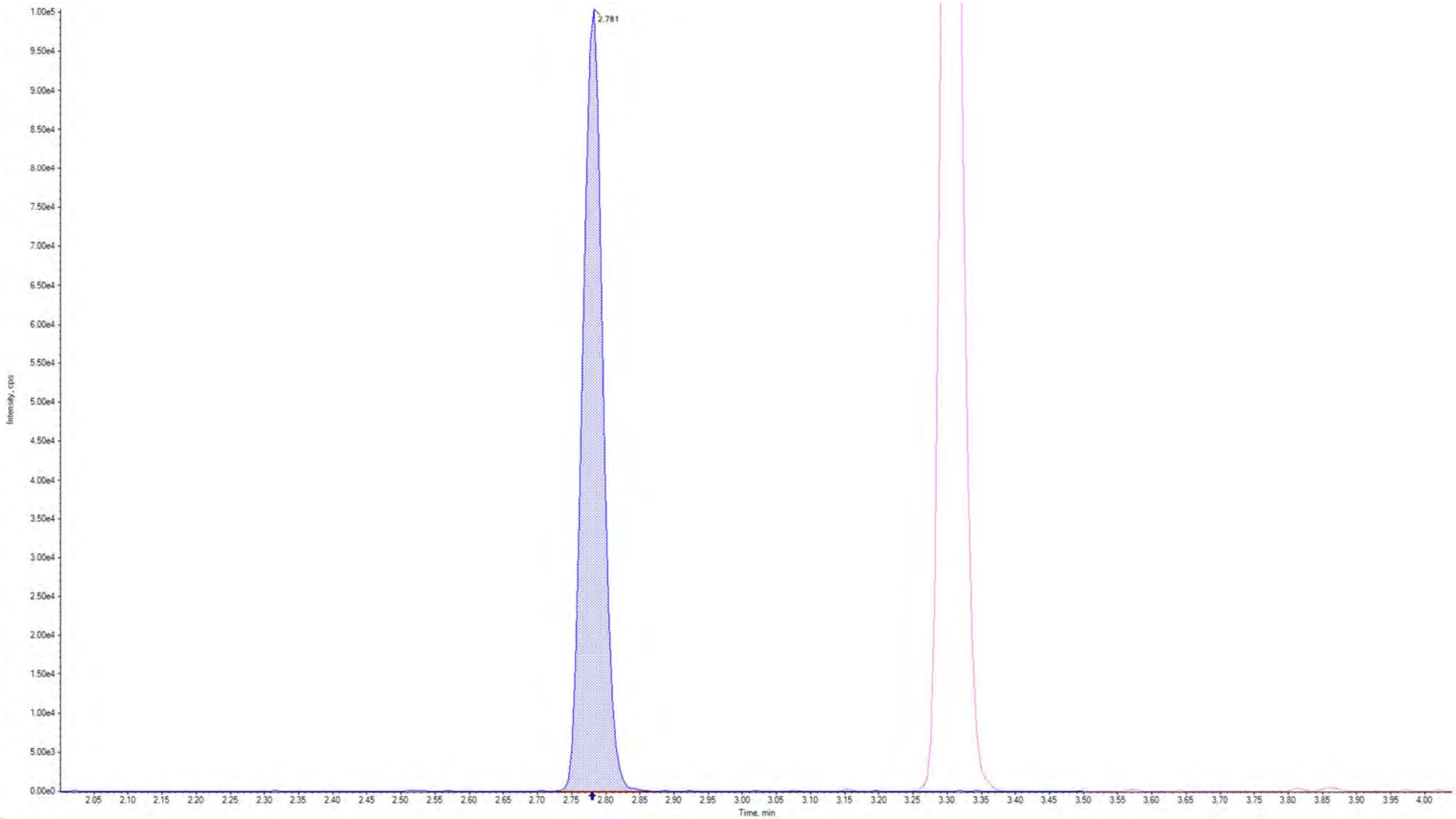
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_29.wiff2_4
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

PFPeS
Sample: IA1633STD-5 S/N:4799.9 Points Across peak:25



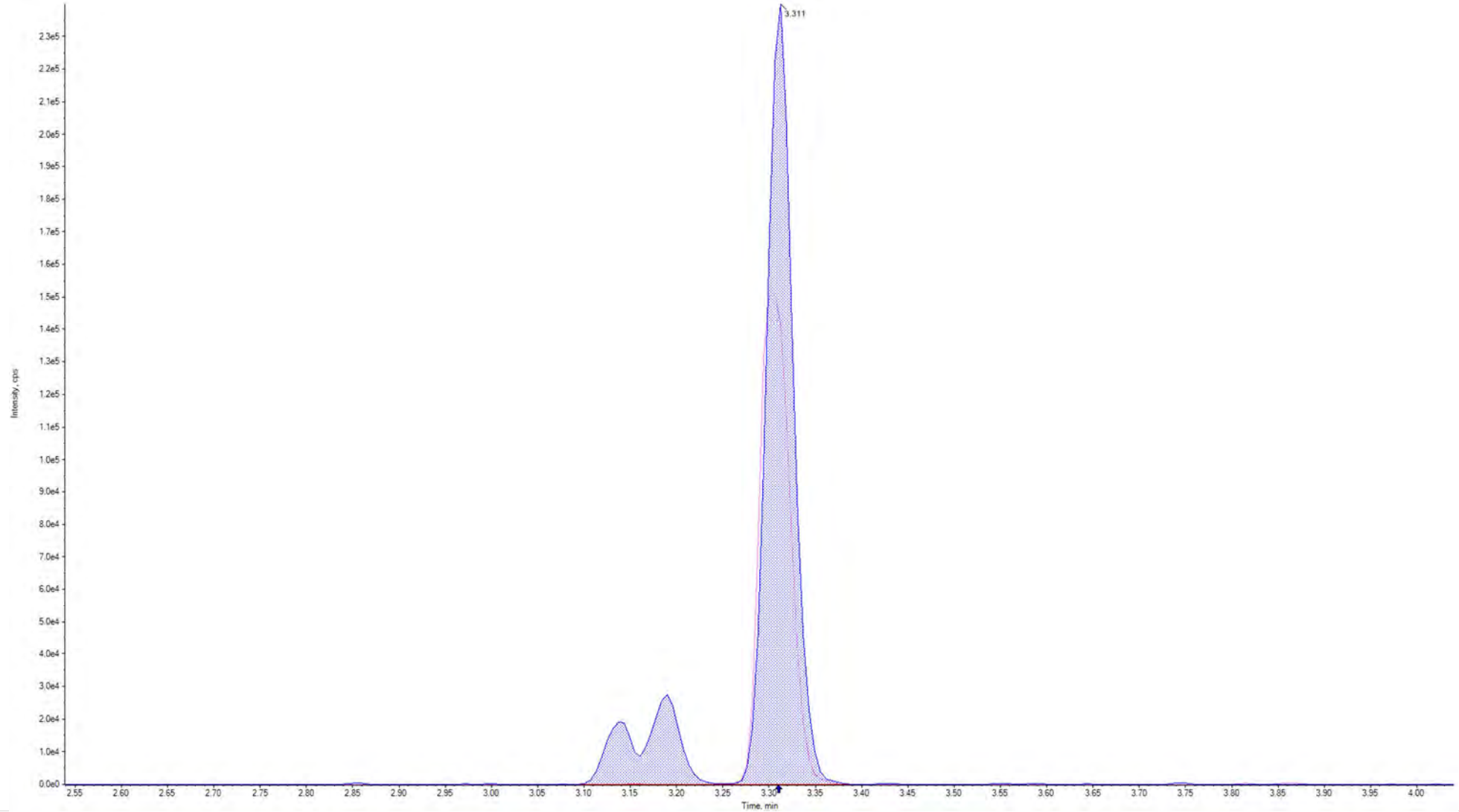
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_29.wiff2_4
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

PFPeS_2
Sample: IA1633STD-5 S/N:1509.5 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\250228\SCI07_250228_29.wiff2_4
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

PFHxS
Sample: IA1633STD-5 S/N:1736.3 Points Across peak:55



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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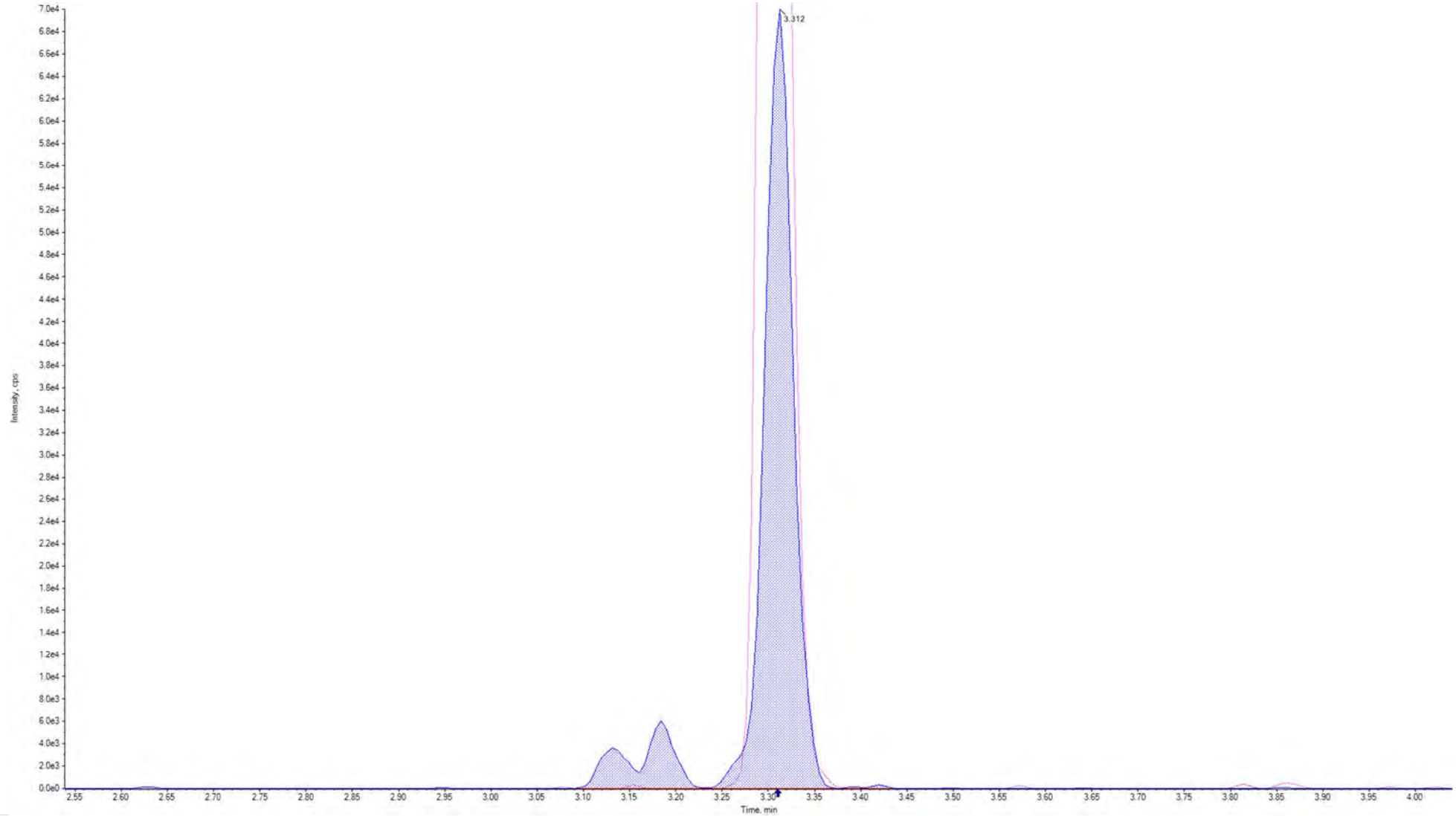
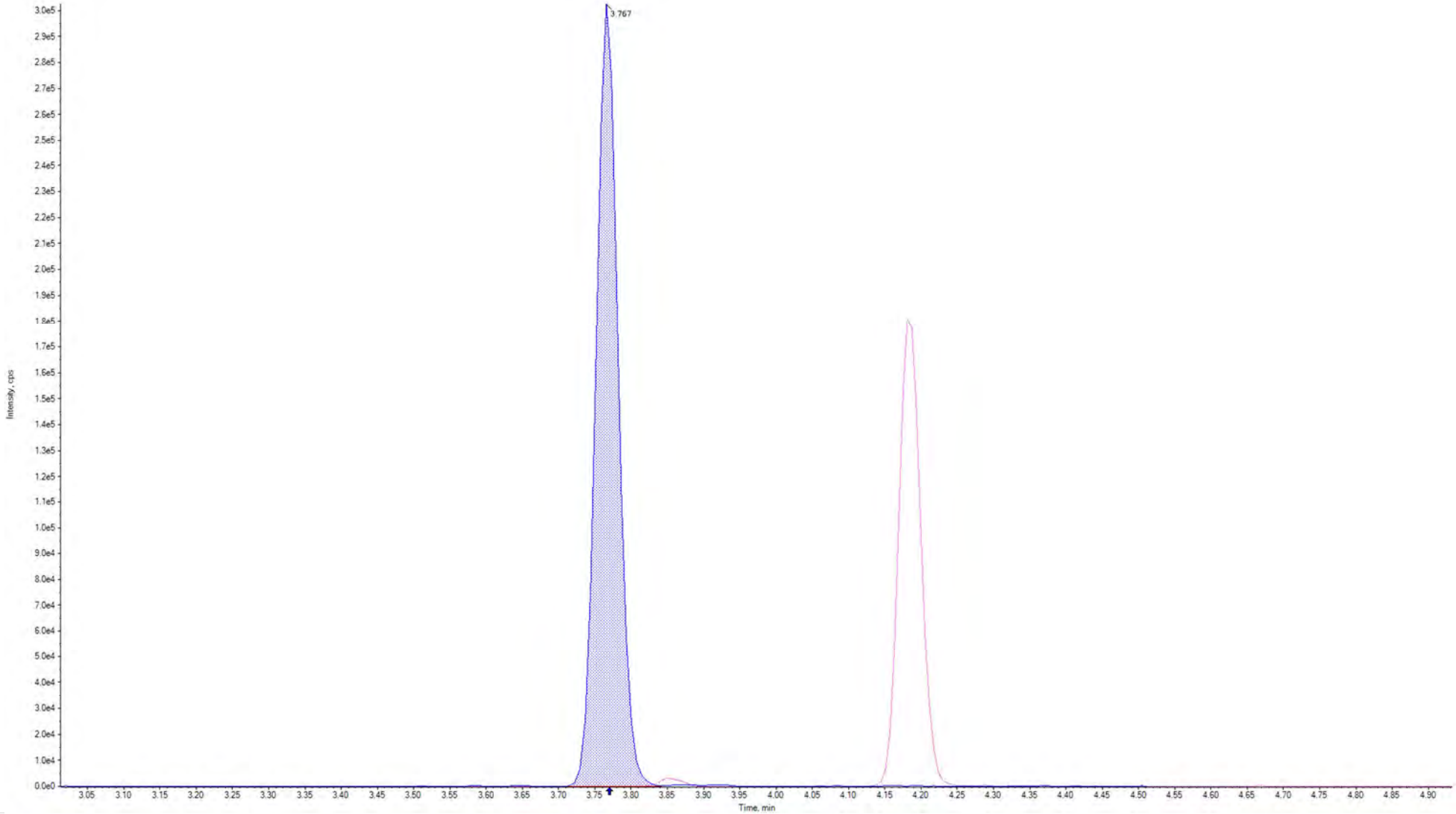
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

PFHxS_2
Sample: IA1633STD-5 S/N:877.4 Points Across peak:70



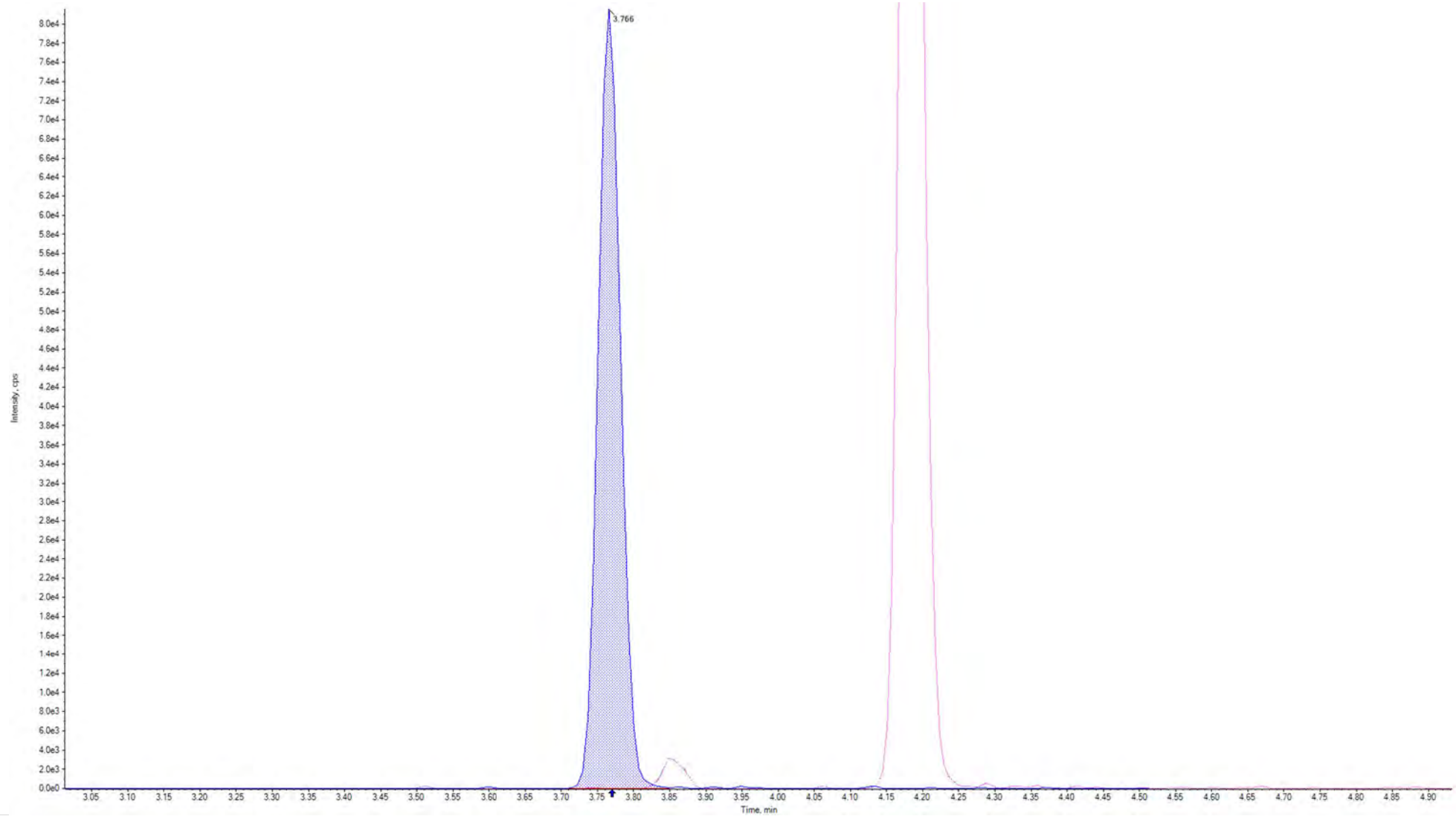
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_29.wiff2_4
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

PFHpS
Sample: IA1633STD-5 S/N:3791.1 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\250228\SCI07_250228_29.wiff2_4
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

PFHpS_2
Sample: IA1633STD-5 S/N:1021.7 Points Across peak:23



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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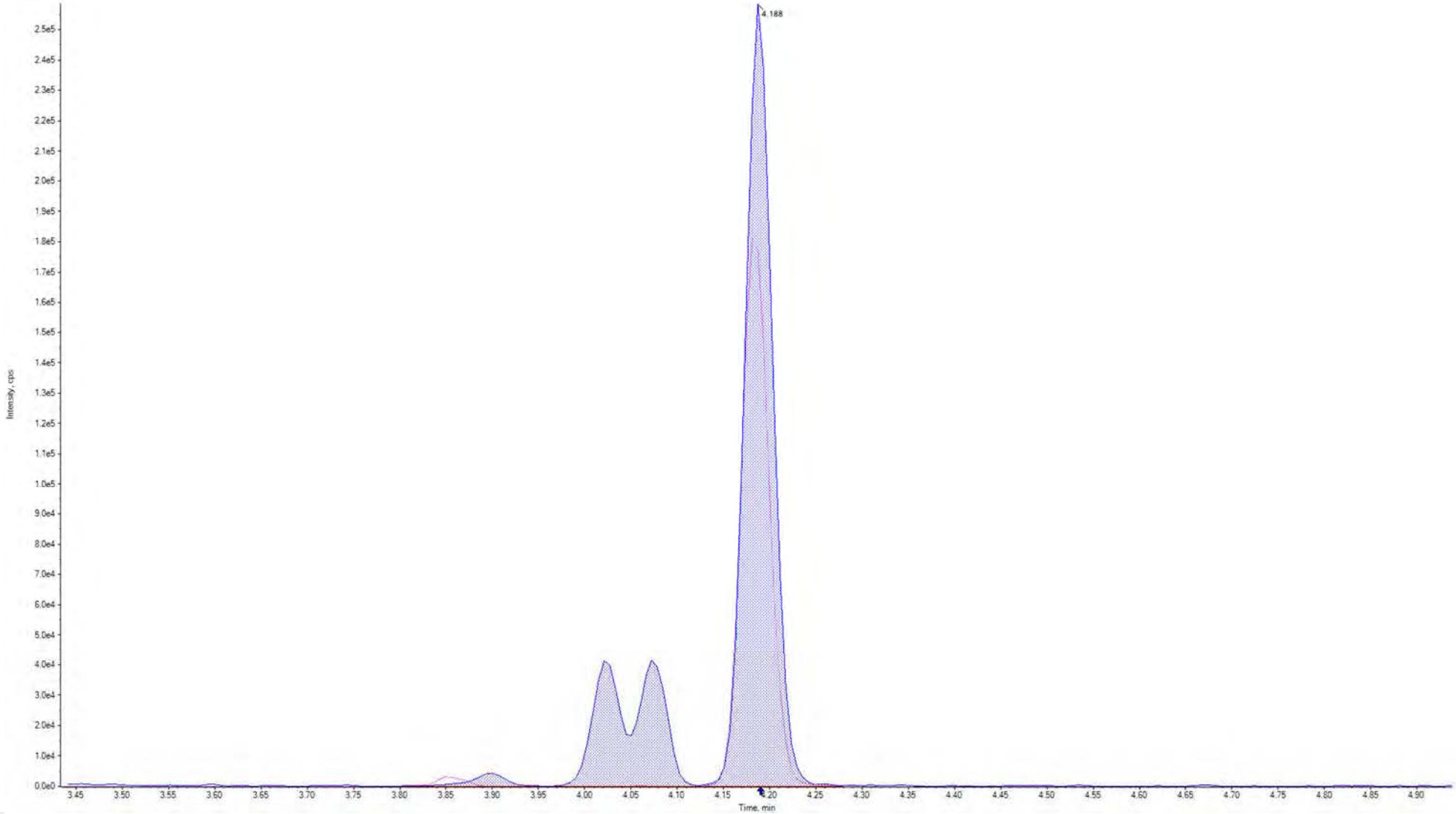
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

PFOS
Sample: IA1633STD-5 S/N:749.7 Points Across peak:78



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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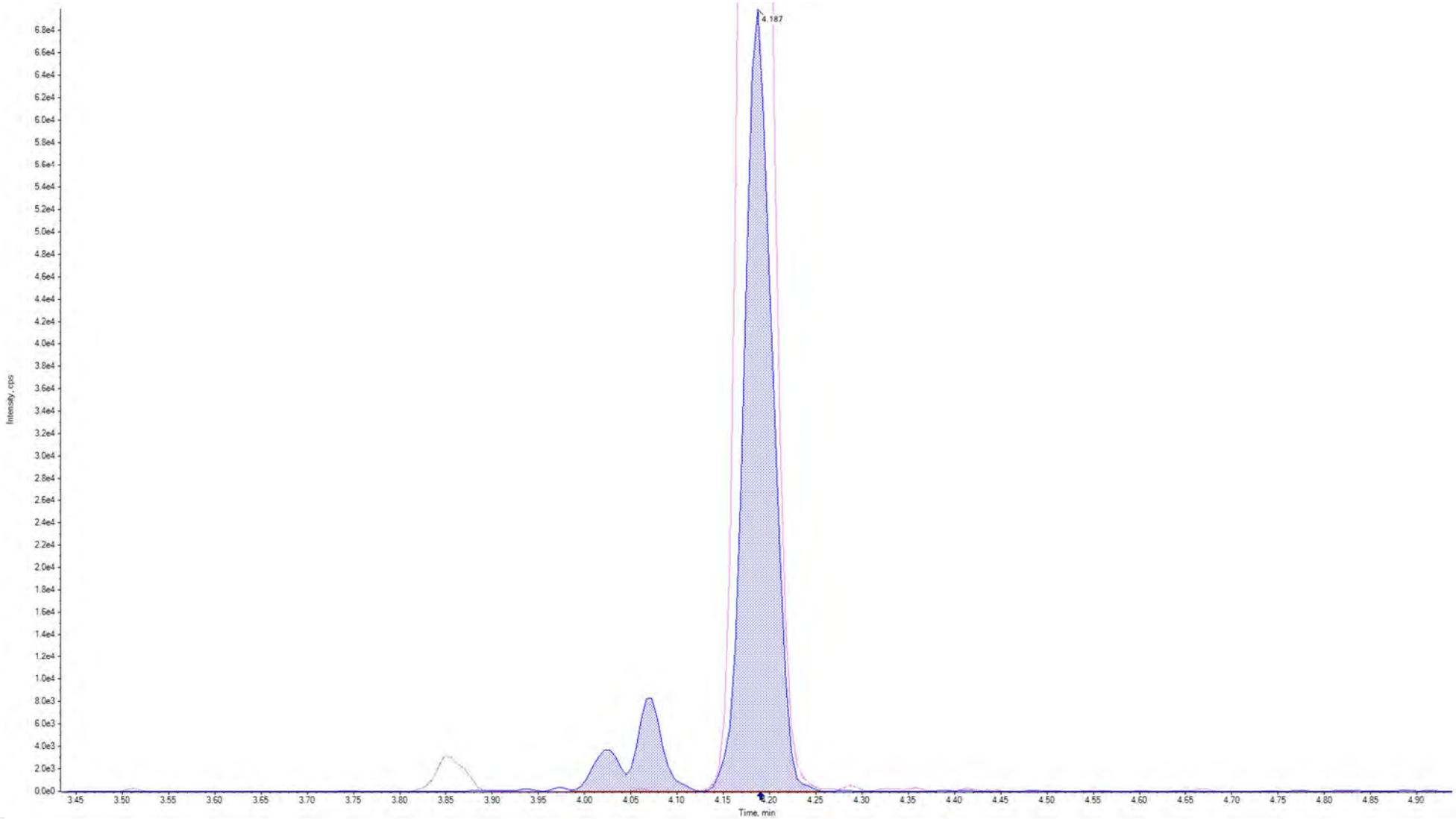
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

PFOS_2
Sample: IA1633STD-5 S/N:875.2 Points Across peak:47



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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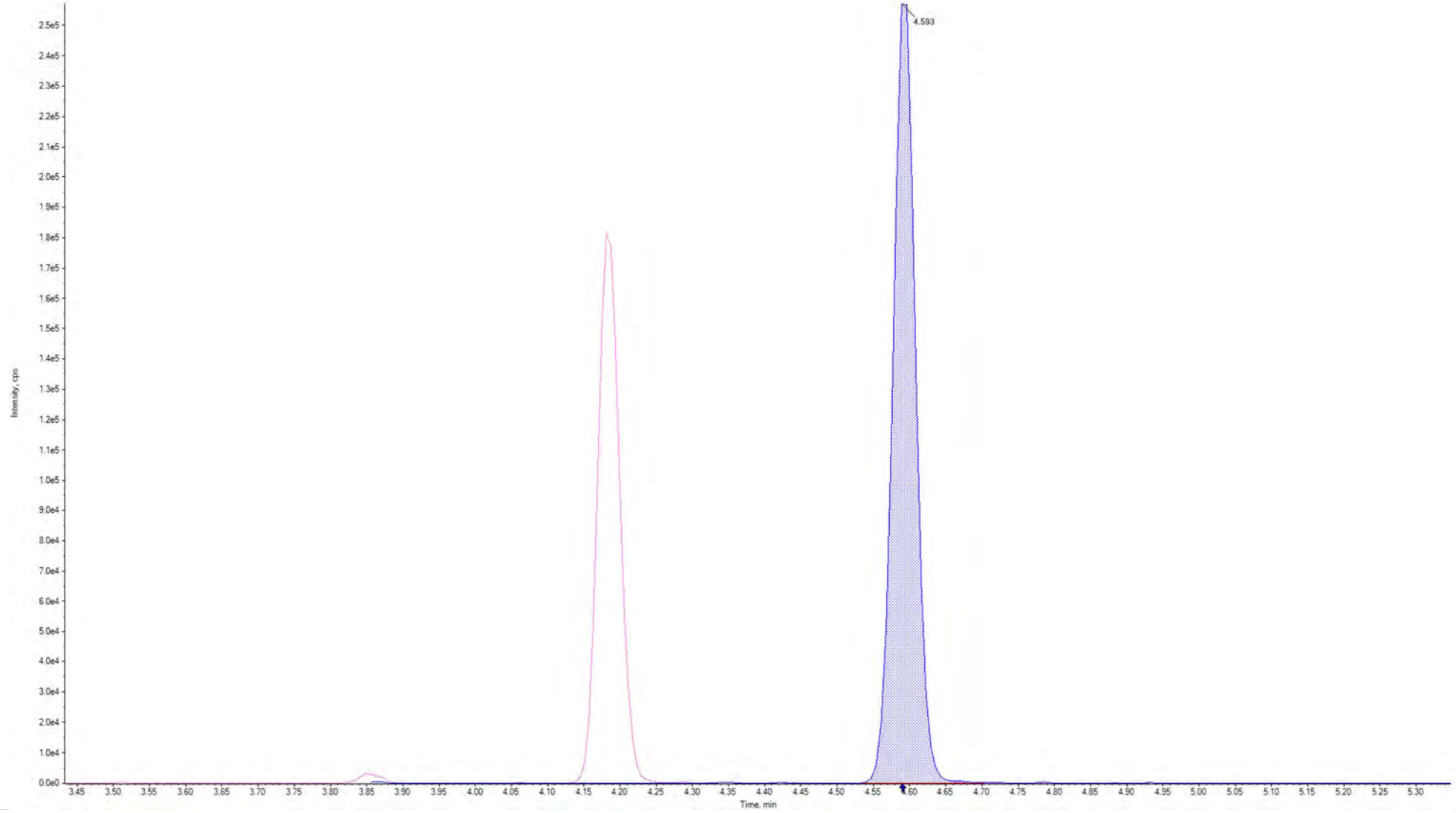
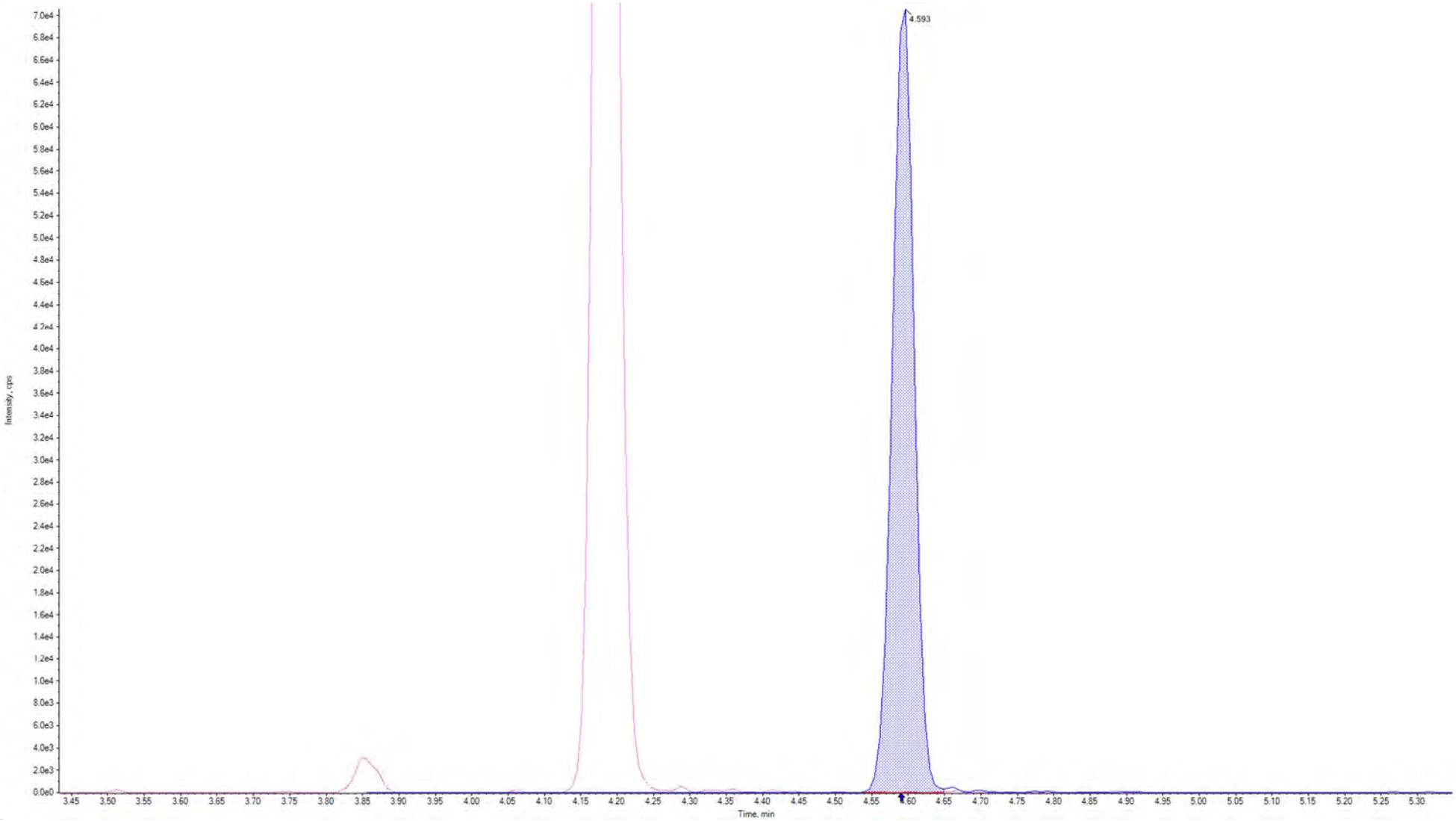
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

PFNS
Sample: IA1633STD-5 S/N:3864.8 Points Across peak:33



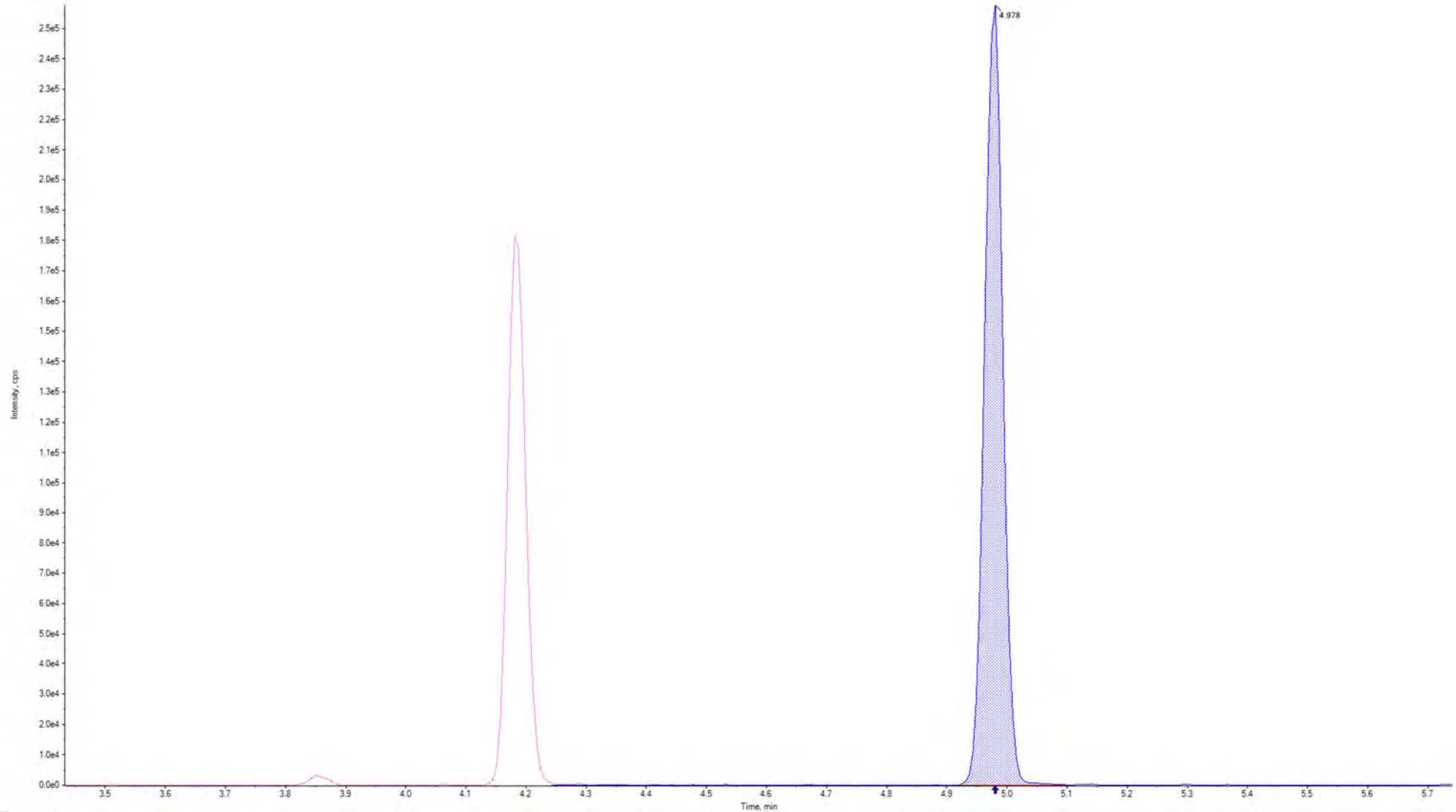
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_29.wiff2_4
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

PFNS_2
Sample: IA1633STD-5 S/N:1061.2 Points Across peak:21



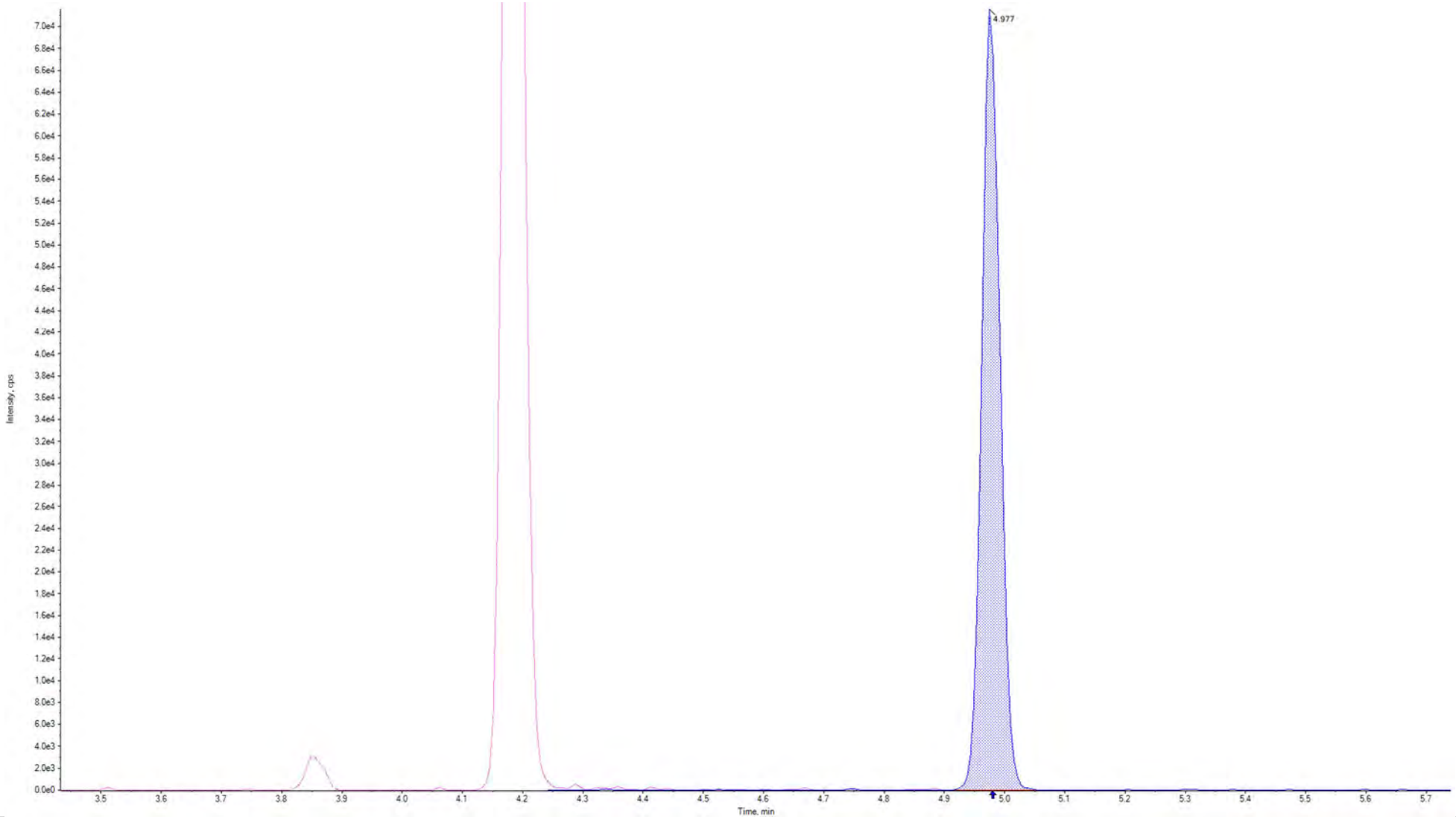
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_29.wiff2_4
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

PFDS
Sample: IA1633STD-5 S/N:4518.3 Points Across peak:34



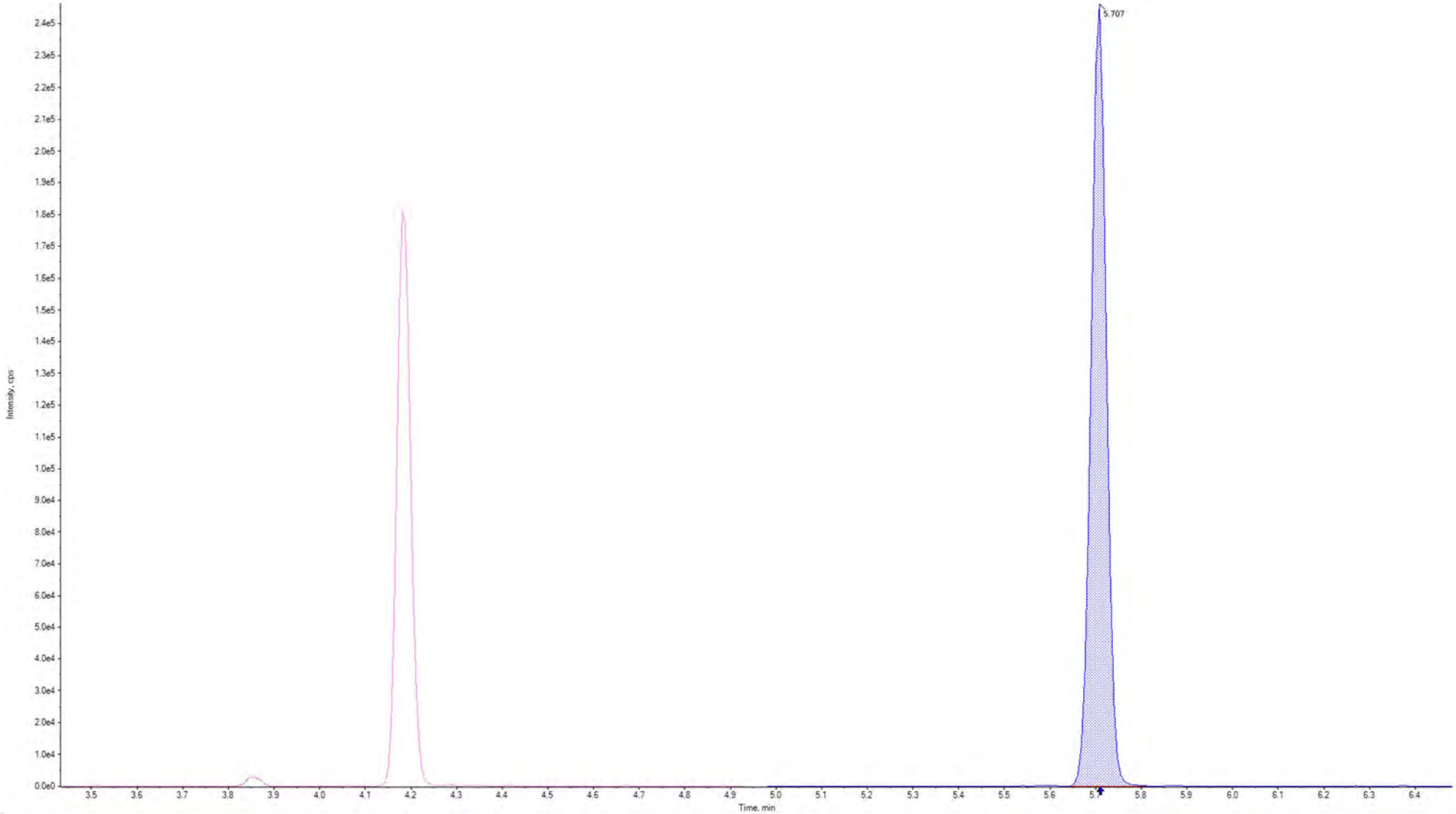
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_29.wiff2_4
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

PFDS_2
Sample: IA1633STD-5 S/N:1255.8 Points Across peak:38



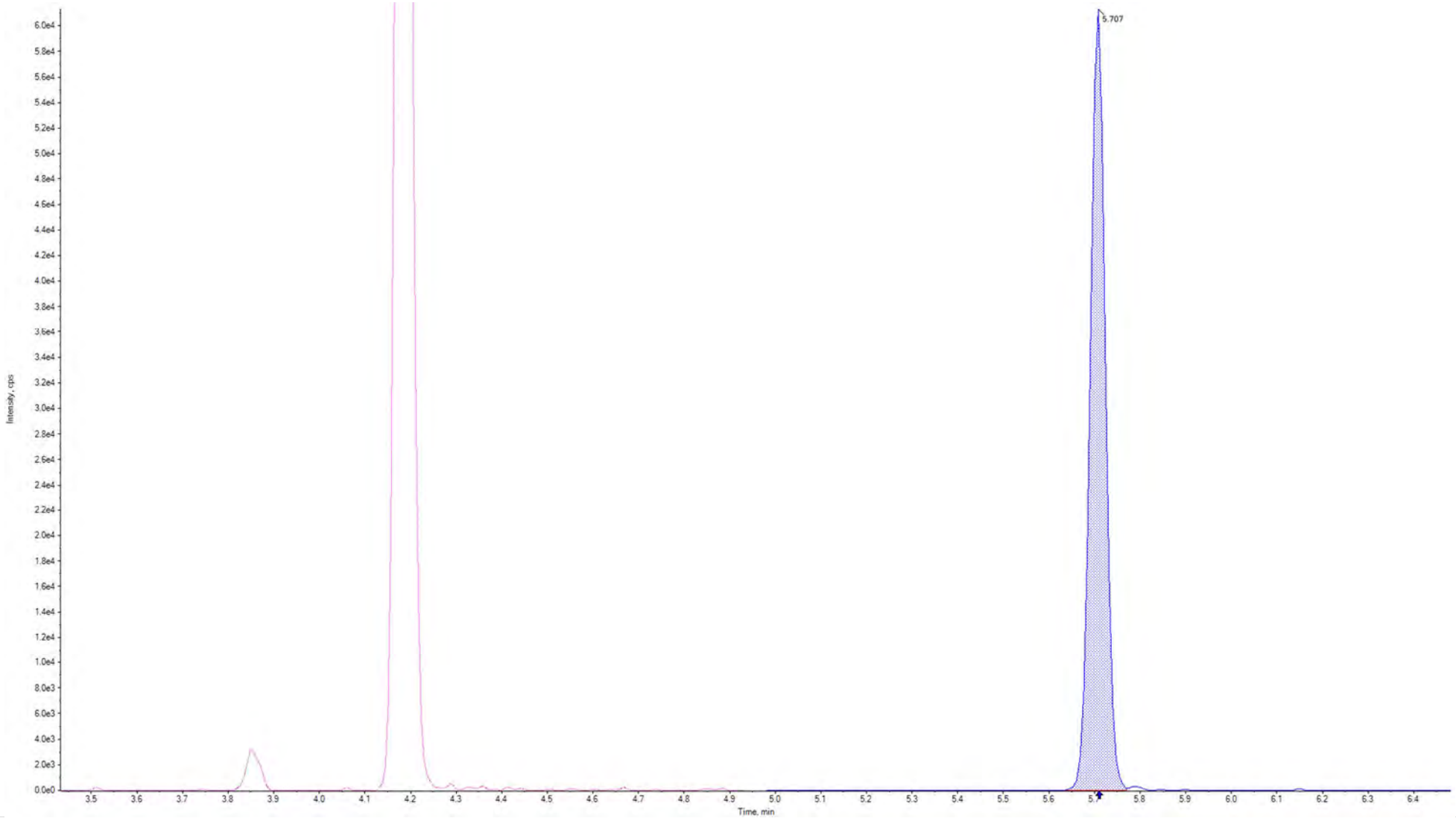
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_29.wiff2_4
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

PFDoS
Sample: IA1633STD-5 S/N:5249.2 Points Across peak:26



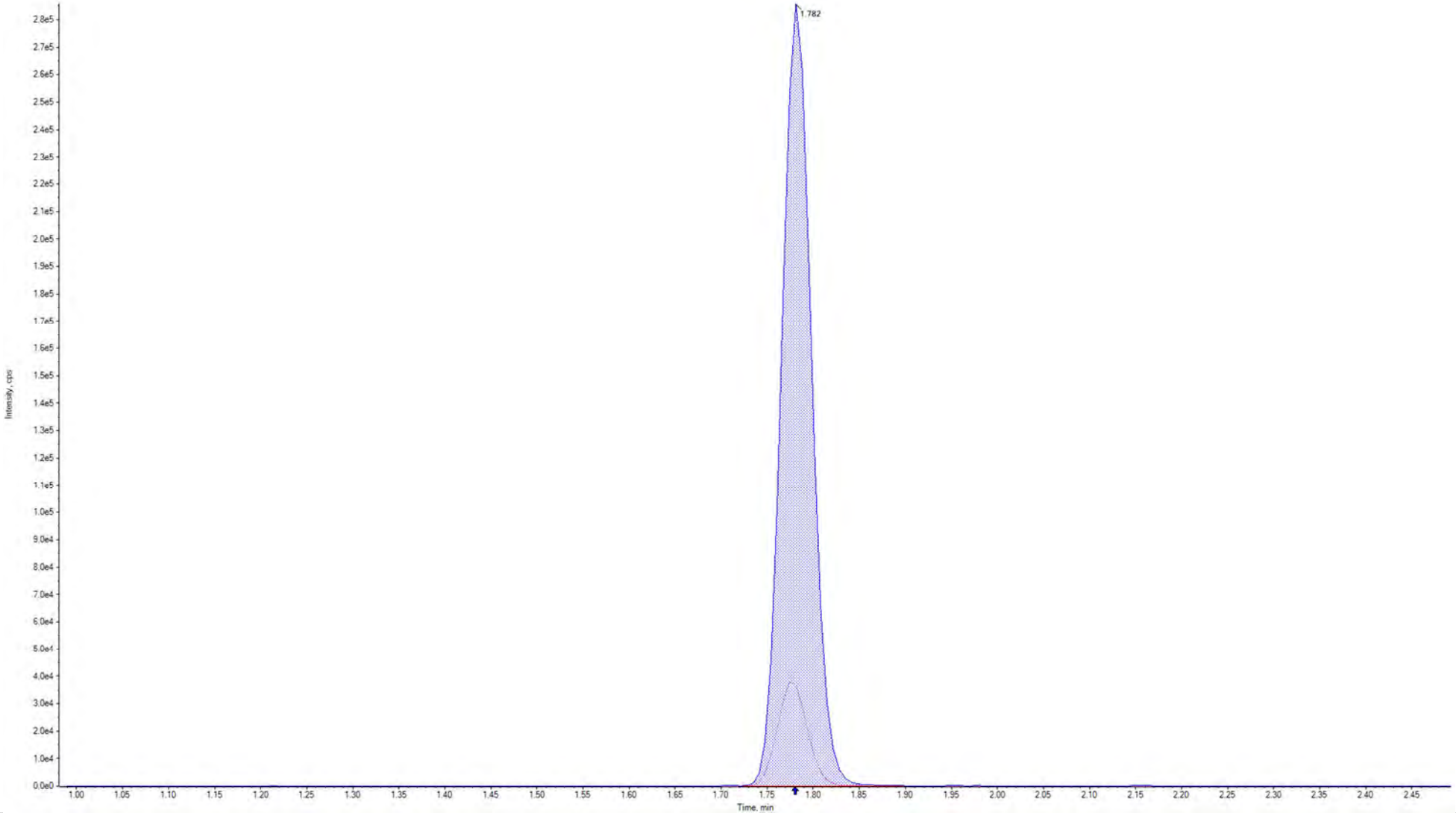
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_29.wiff2_4
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

PFDoS_2
Sample: IA1633STD-5 S/N:1997.4 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\250228\SCI07_250228_29.wiff2_4
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

4:2FTS
Sample: IA1633STD-5 S/N:7877.0 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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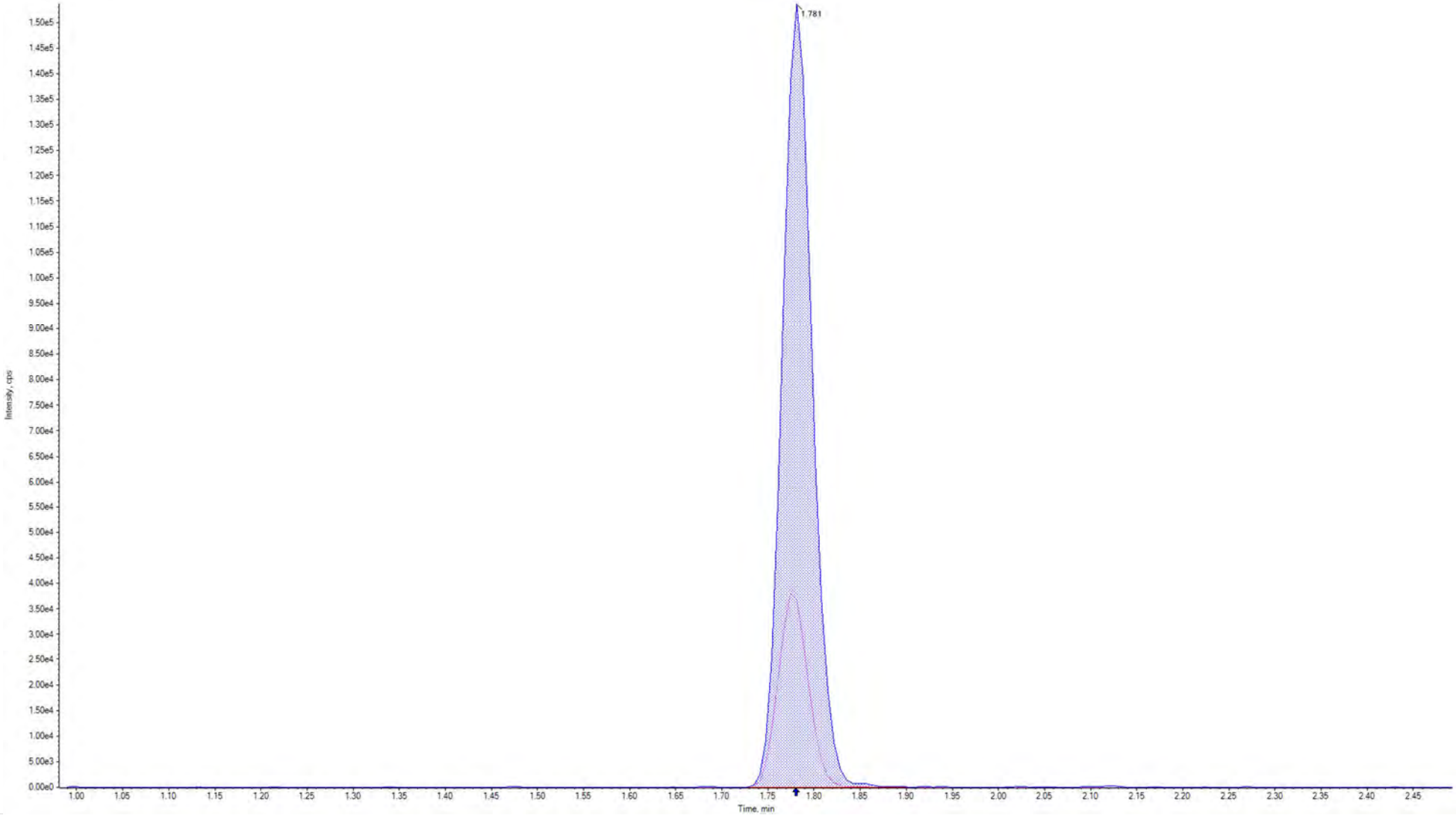
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

4:2FTS_2
Sample: IA1633STD-5 S/N:4235.4 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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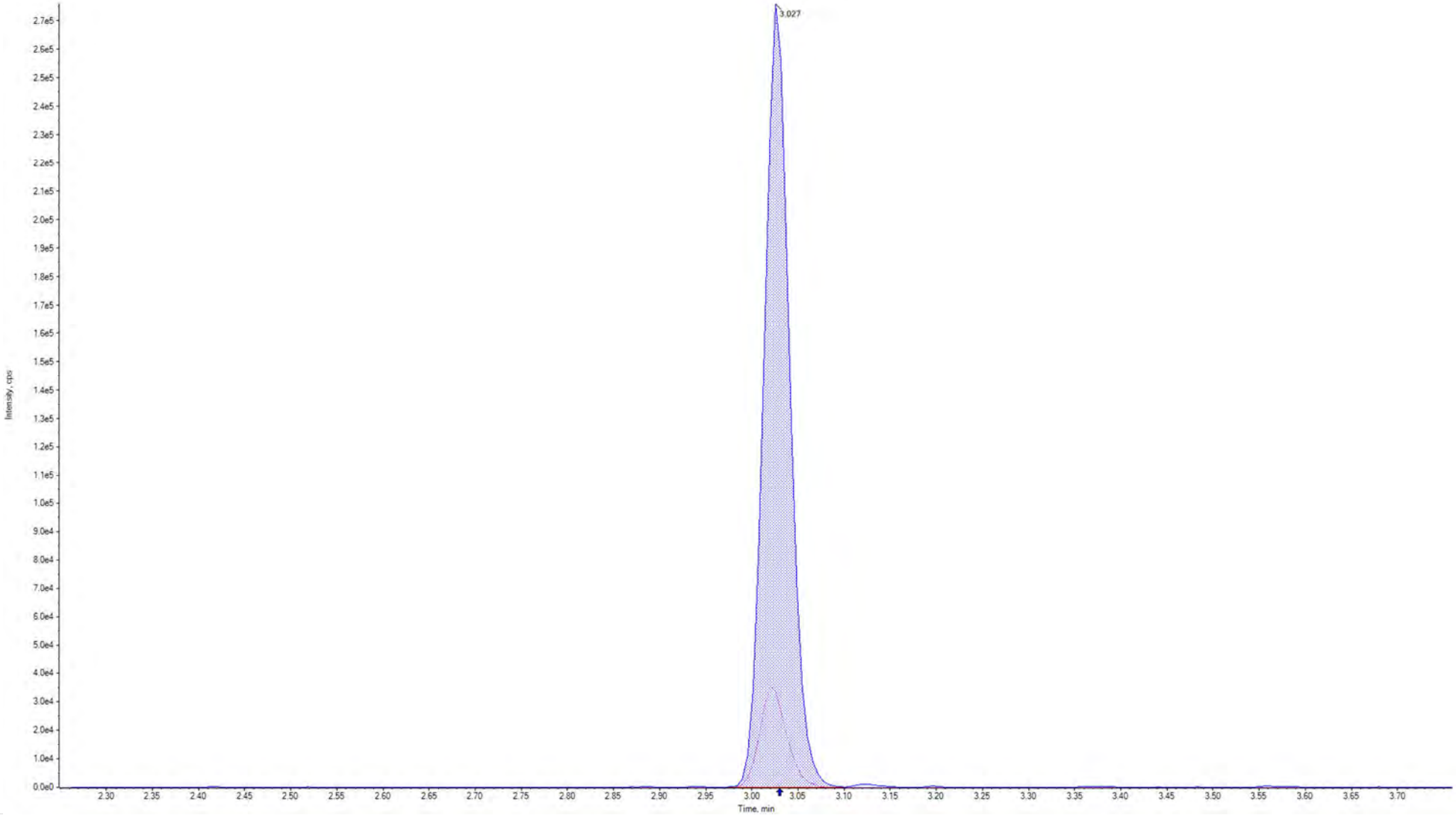
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

6:2FTS
Sample: IA1633STD-5 S/N:3458.0 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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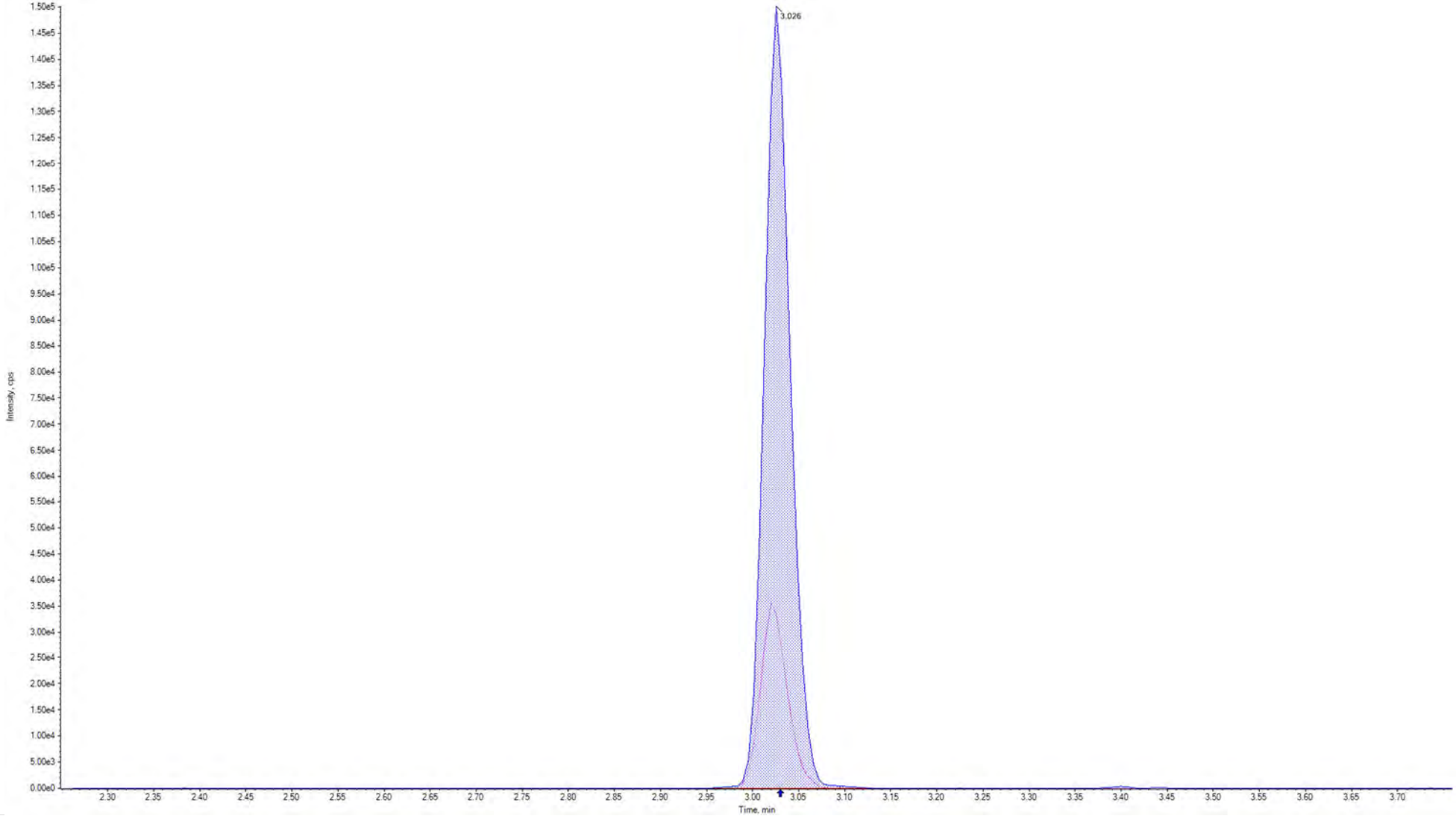
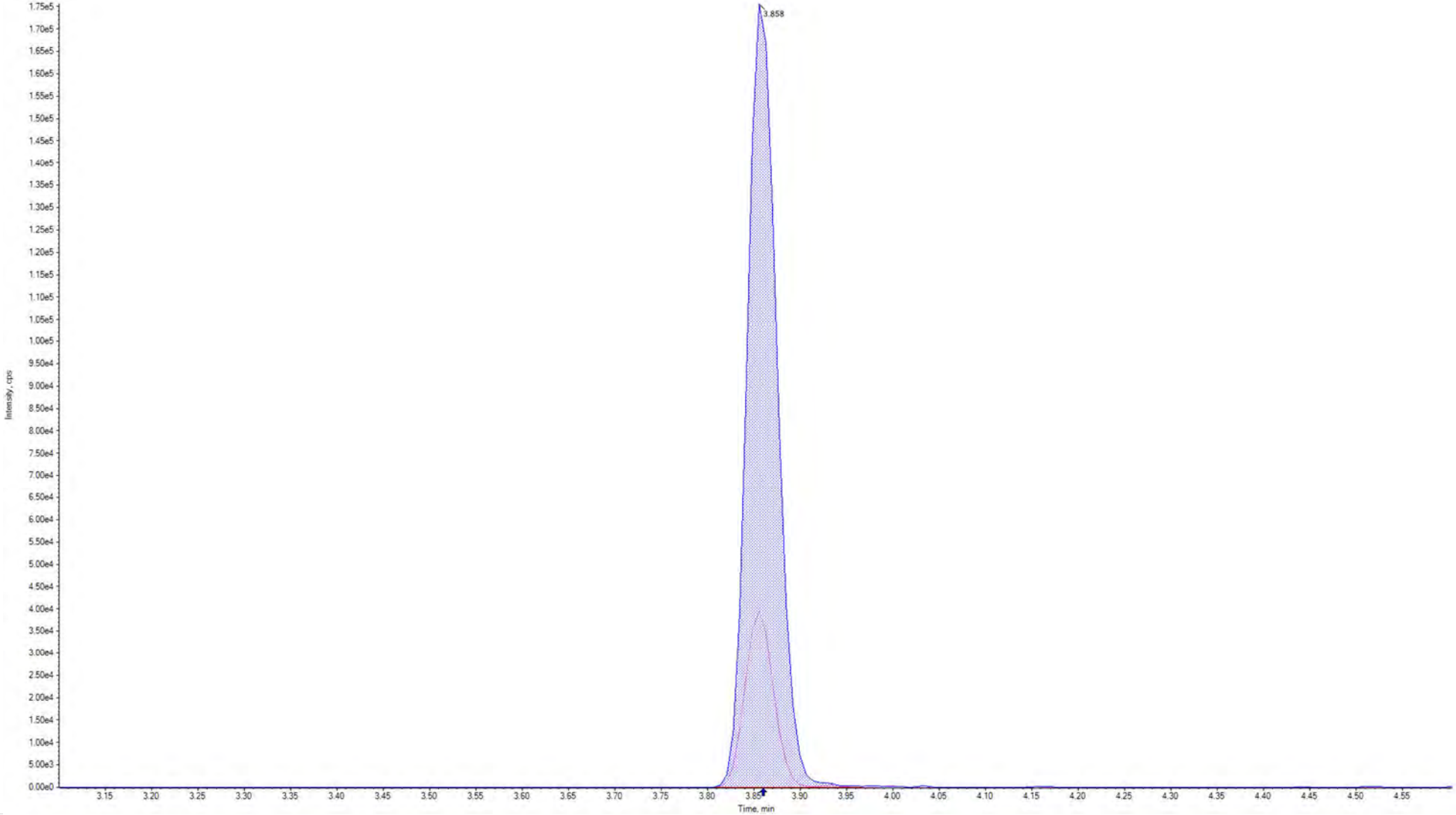
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

6:2FTS_2
Sample: IA1633STD-5 S/N:1881.5 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\250228\SCI07_250228_29.wiff2_4
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

8:2FTS
Sample: IA1633STD-5 S/N:2200.5 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/1/2025 8:41:50 AM
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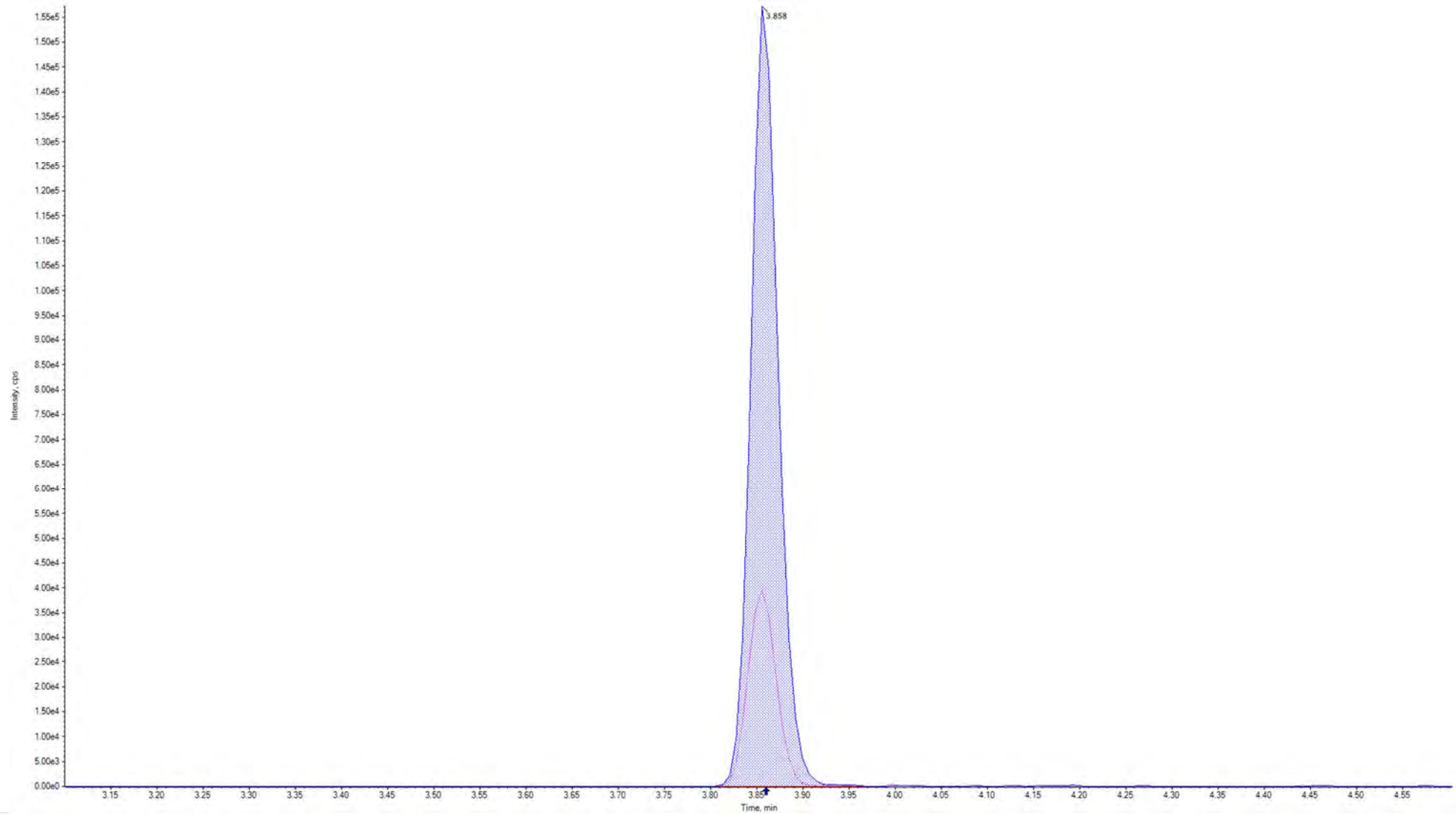
8:2FTS_2
Sample: IA1633STD-5 S/N:1970.0 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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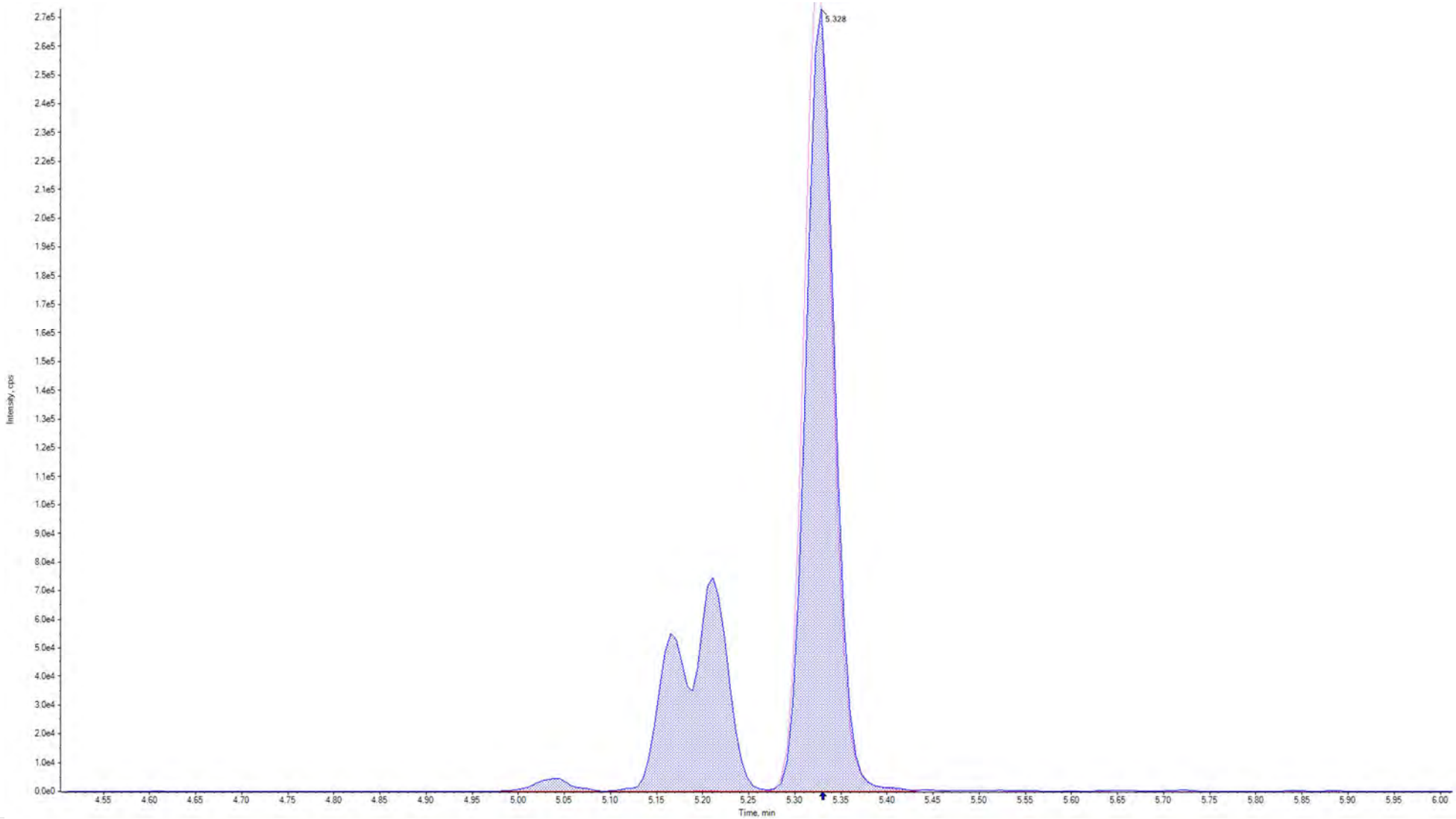
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

PFOSA
Sample: IA1633STD-5 S/N:800.1 Points Across peak:76



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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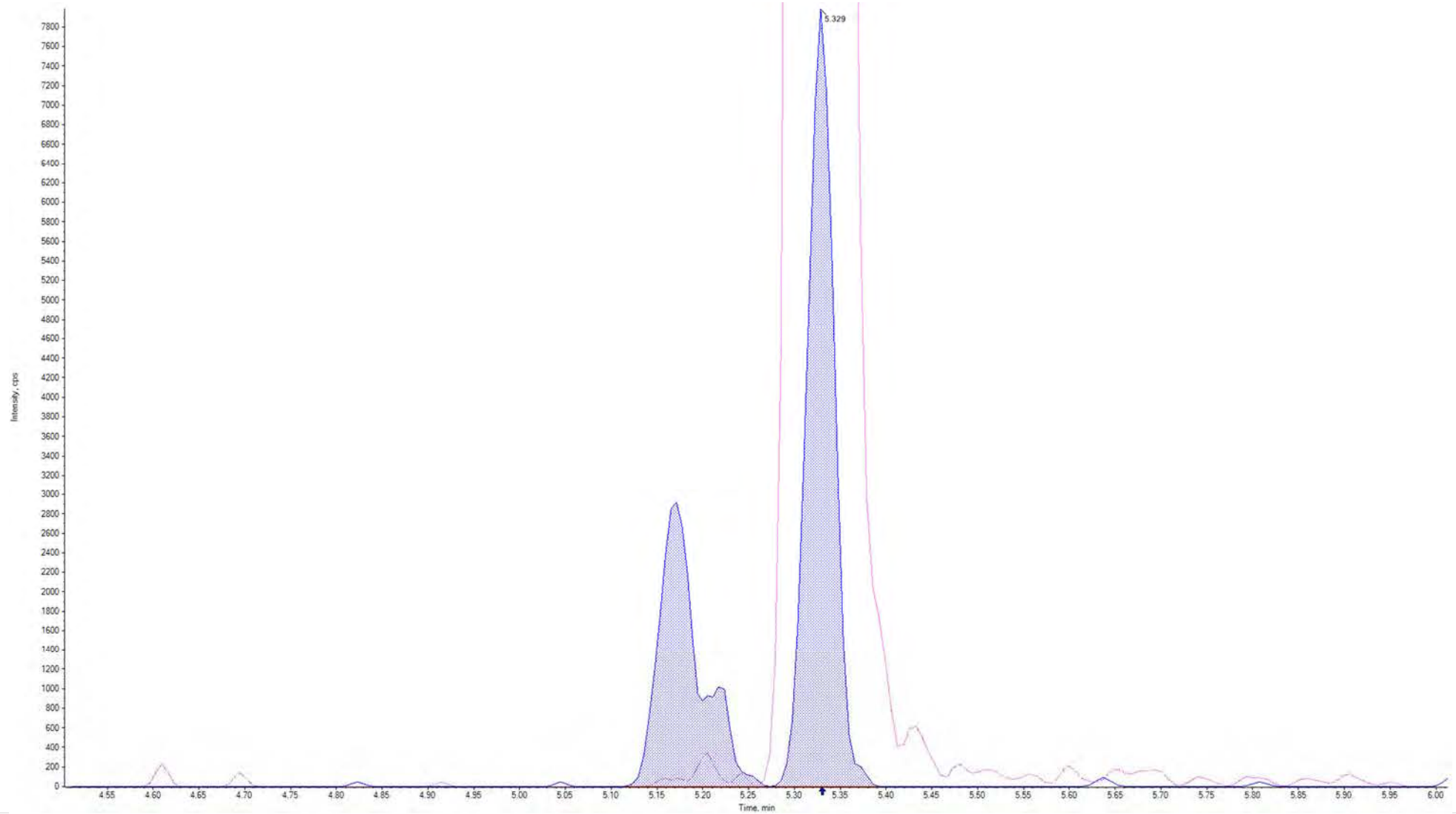
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

PFOSA_2
Sample: IA1633STD-5 S/N:180.0 Points Across peak:56



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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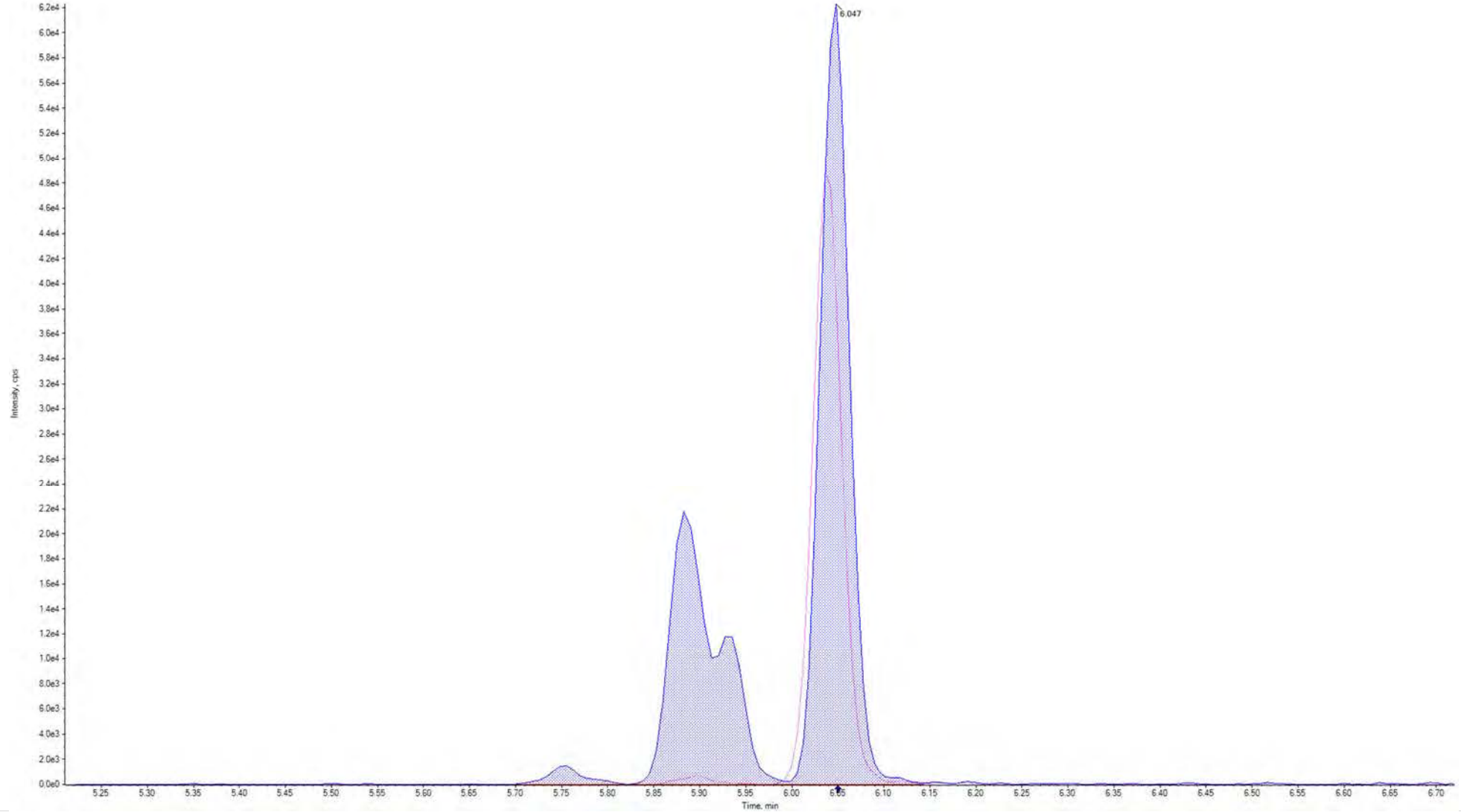
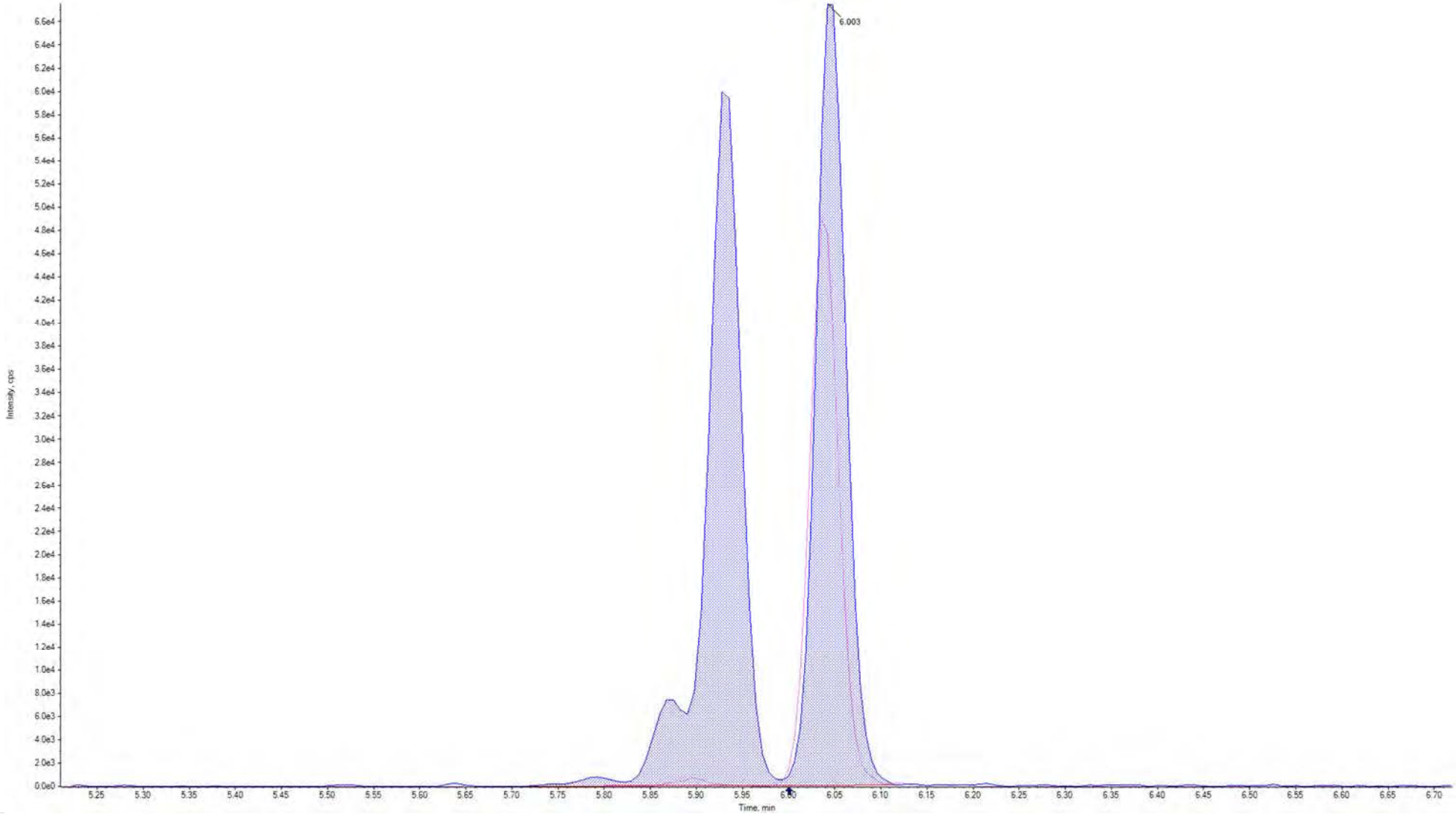
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

NMeFOSA
Sample: IA1633STD-5 S/N:910.2 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\250228\SCI07_250228_29.wiff2_4
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

NMeFOSA_2
Sample: IA1633STD-5 S/N:909.3 Points Across peak:63



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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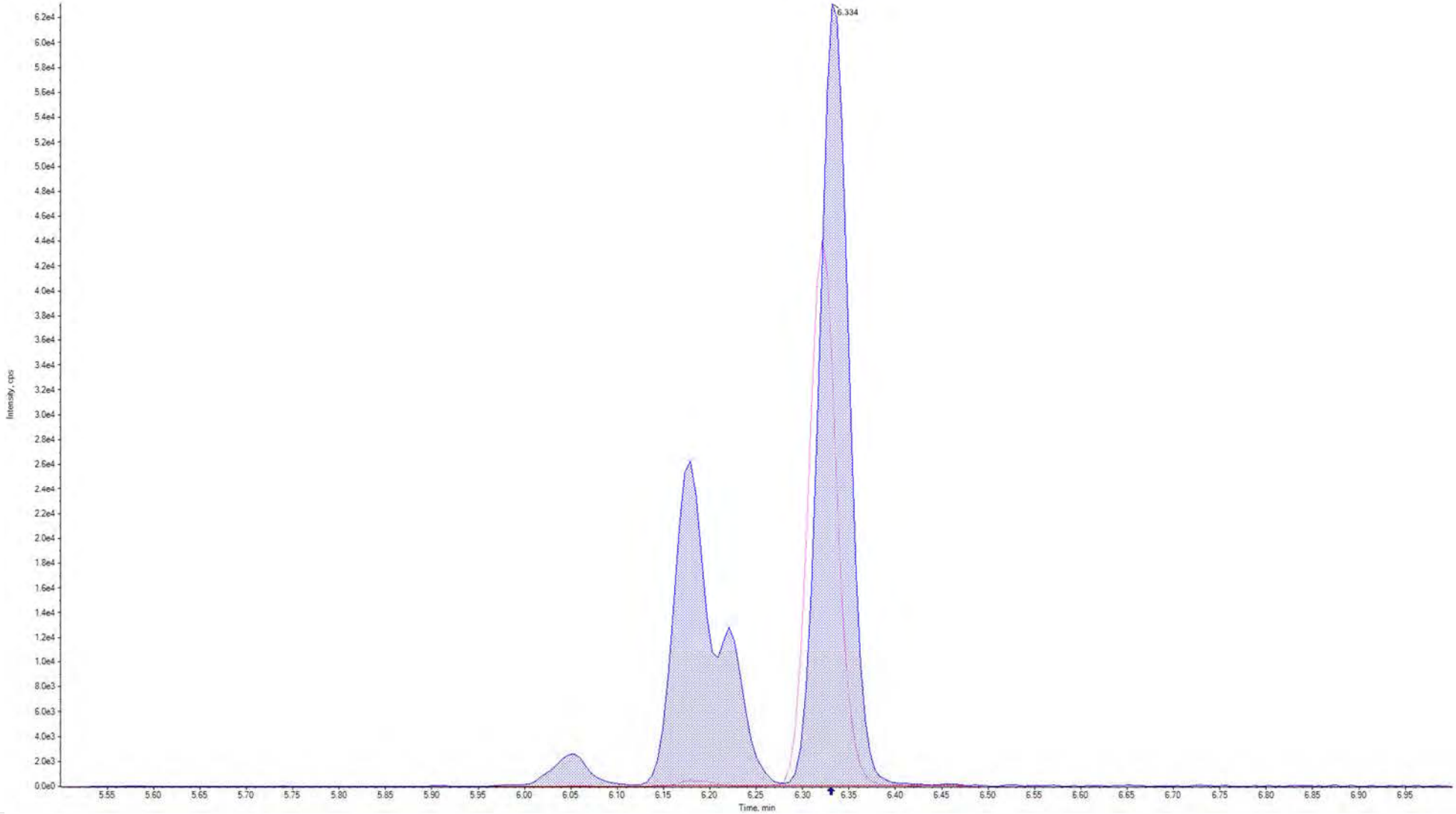
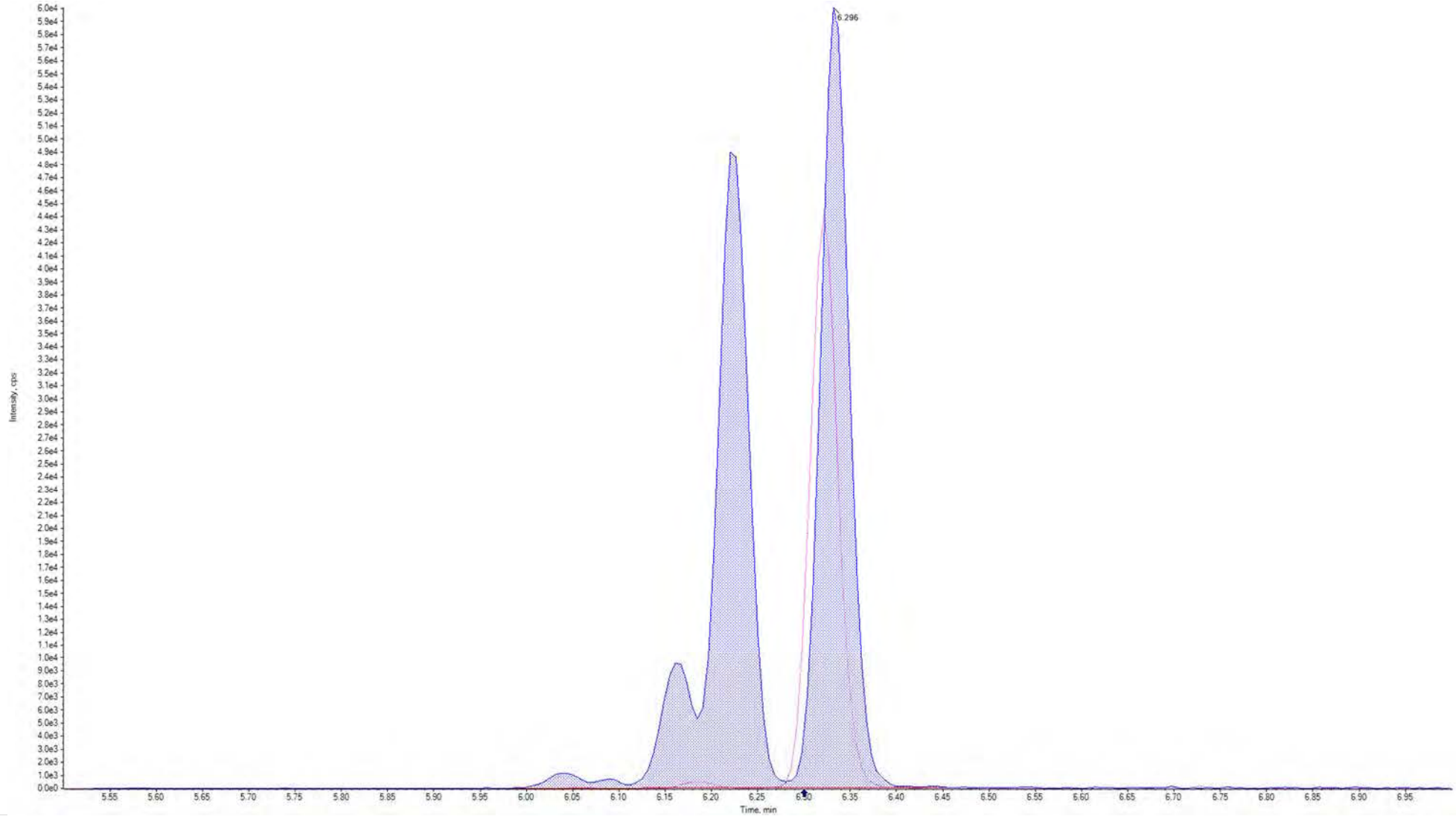
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

NEtFOSA
Sample: IA1633STD-5 S/N:1361.1 Points Across peak:94



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_29.wiff2_4
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

NEtFOSA_2
Sample: IA1633STD-5 S/N:1300.4 Points Across peak:86



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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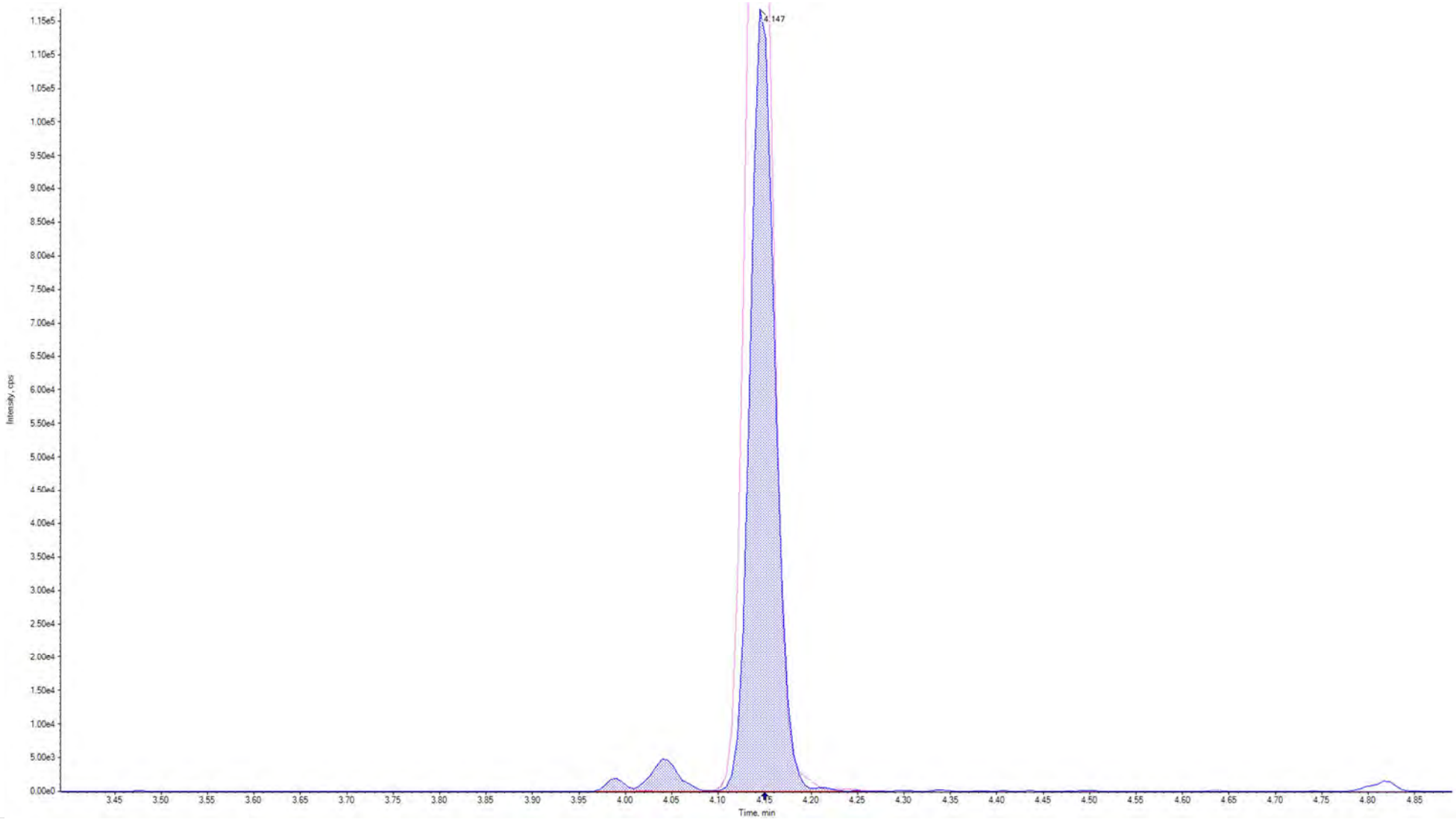
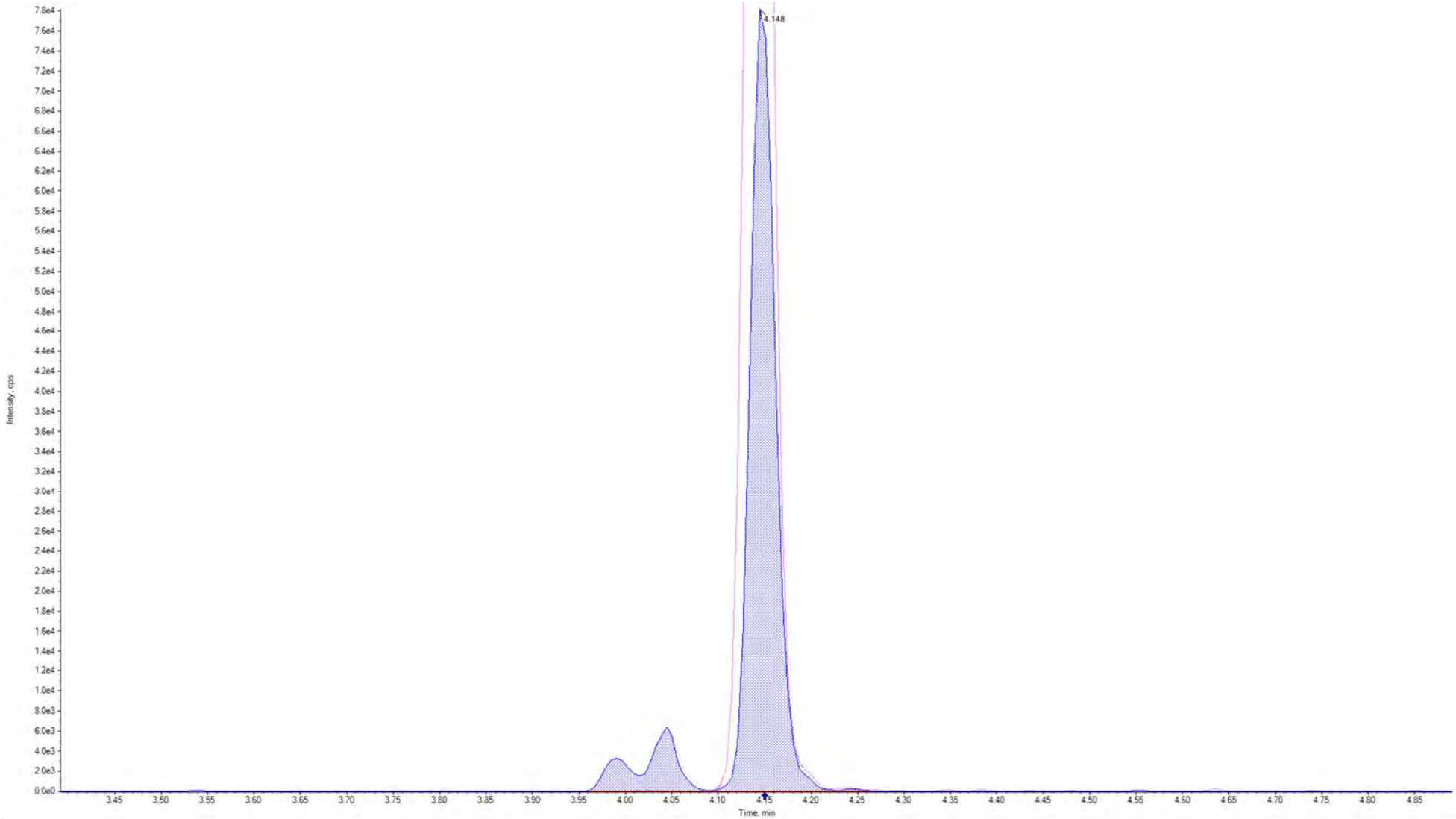
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

NMeFOSAA
Sample: IA1633STD-5 S/N:1463.3 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\250228\SCI07_250228_29.wiff2_4
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

NMeFOSAA_2
Sample: IA1633STD-5 S/N:979.6 Points Across peak:64



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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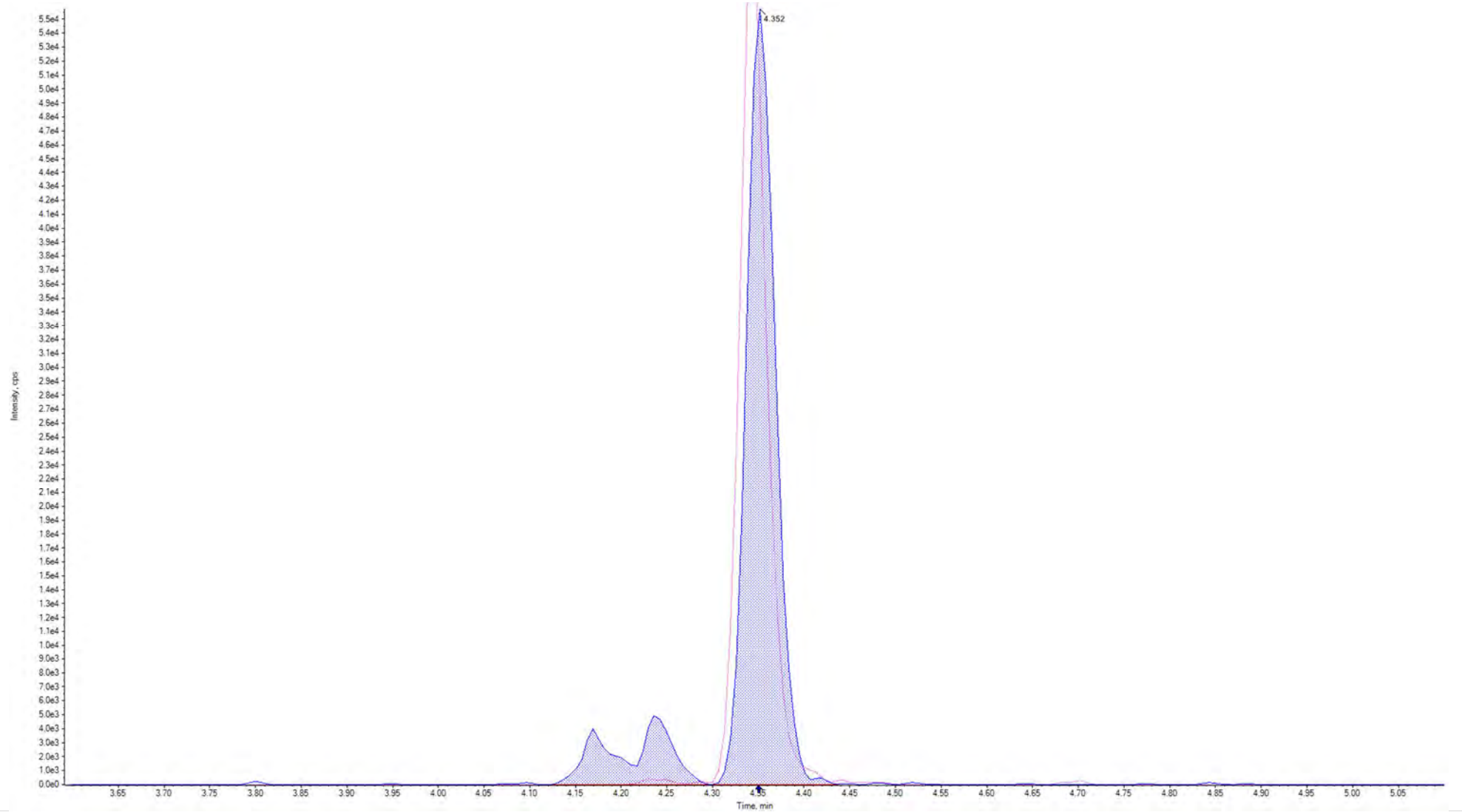
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

NEtFOSAA
Sample: IA1633STD-5 S/N:698.2 Points Across peak:54



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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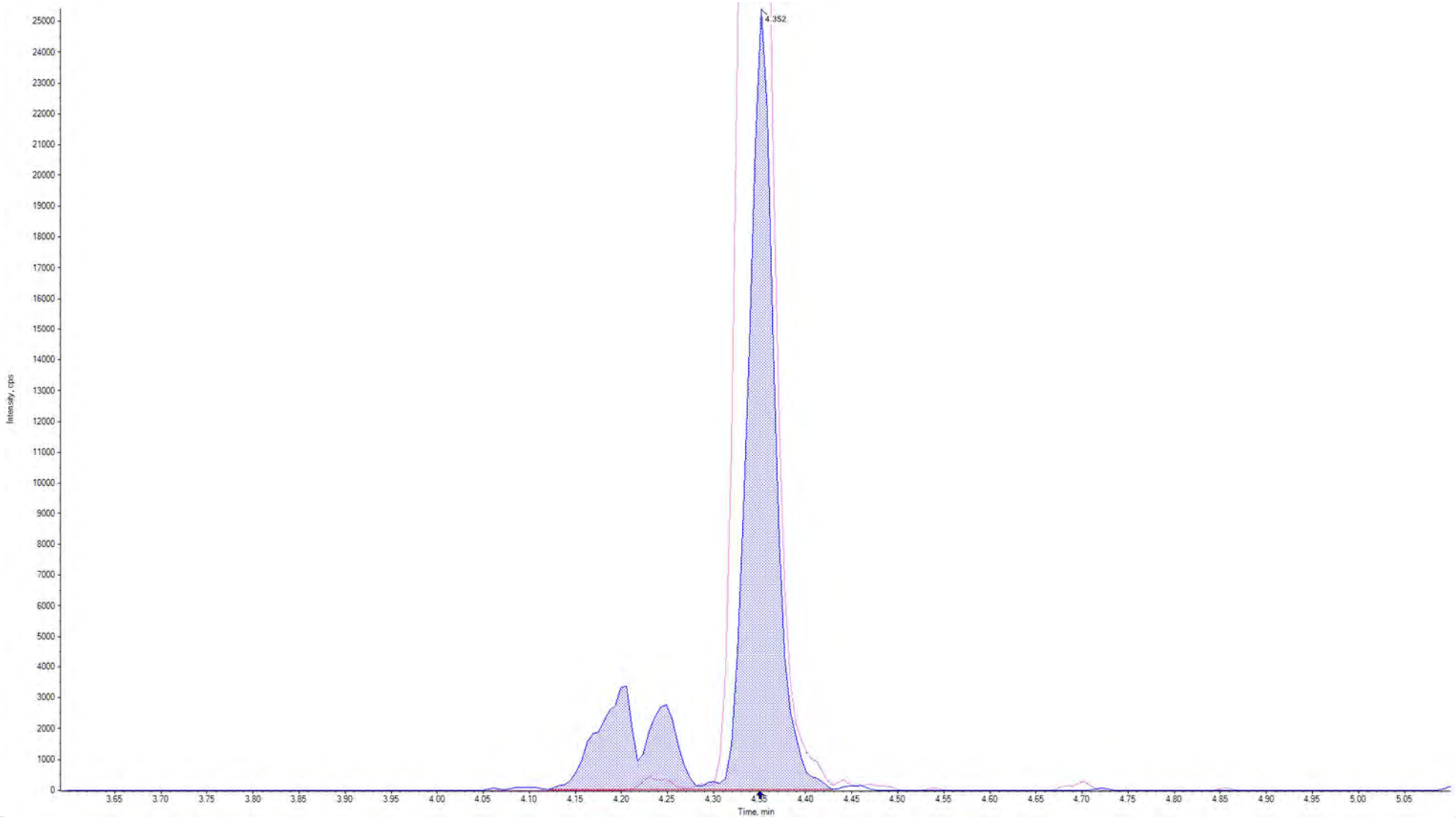
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

NEtFOSAA_2
Sample: IA1633STD-5 S/N:317.8 Points Across peak:53



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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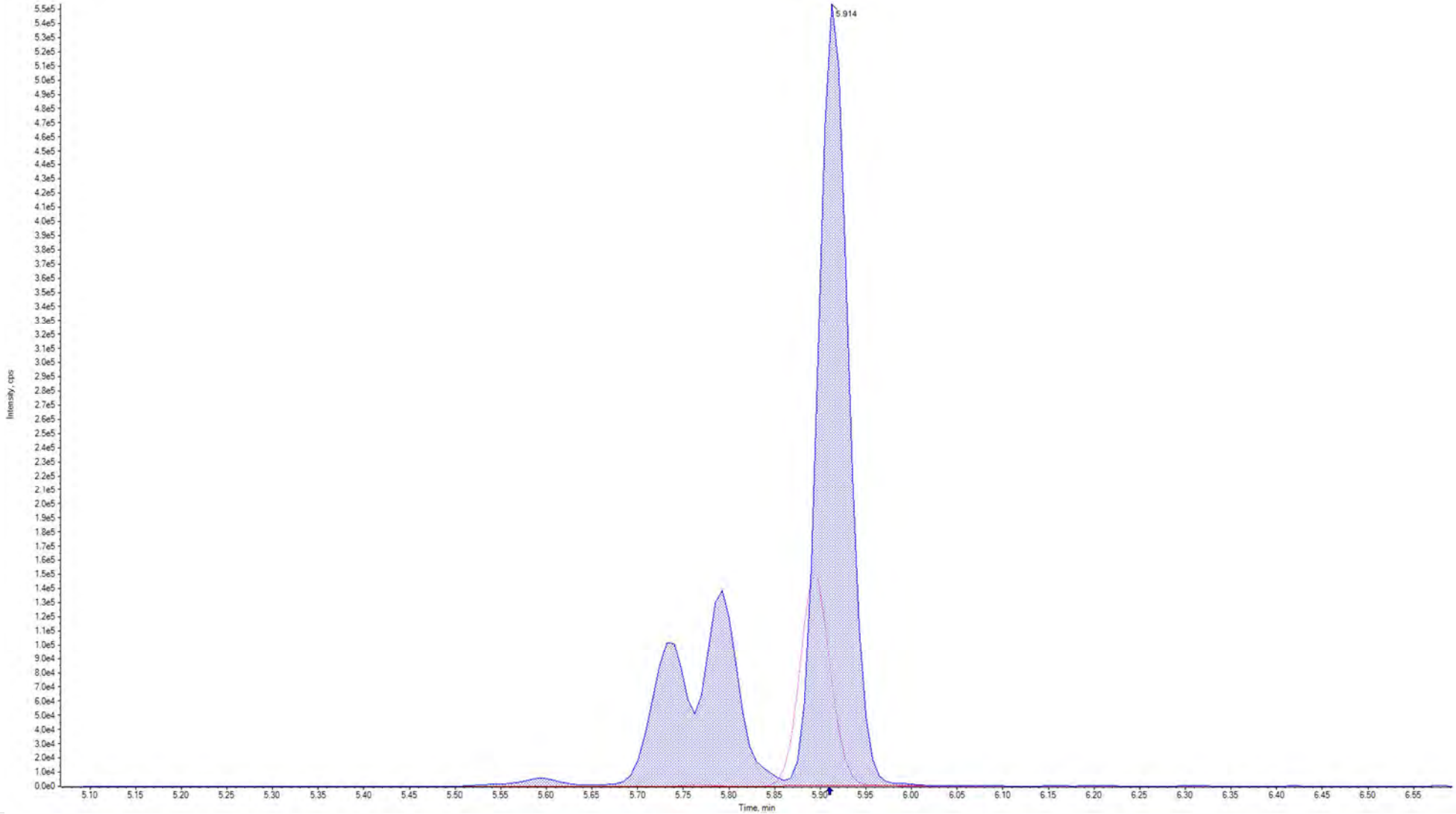
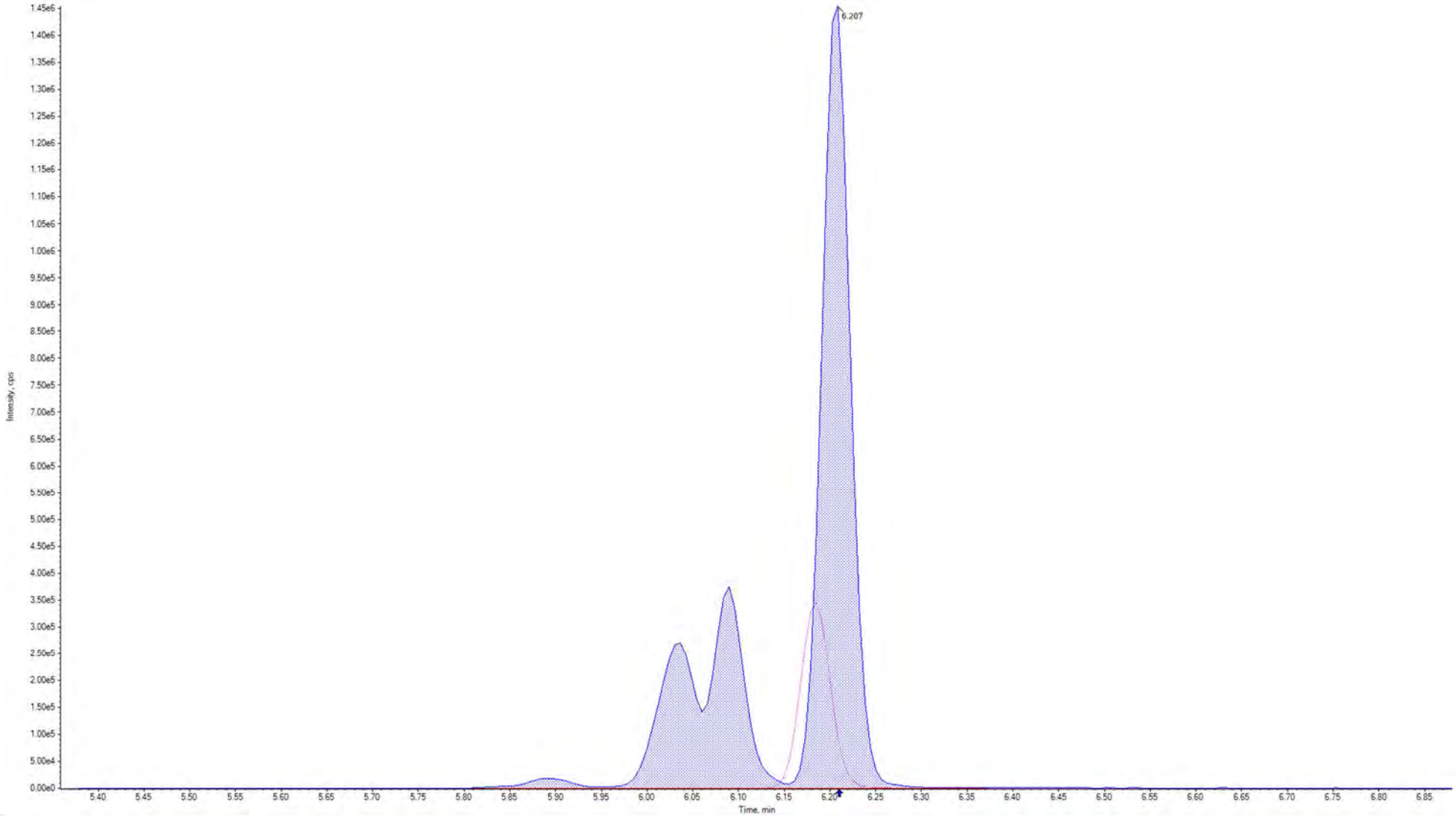
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

NMeFOSE
Sample: IA1633STD-5 S/N:1246.2 Points Across peak:79



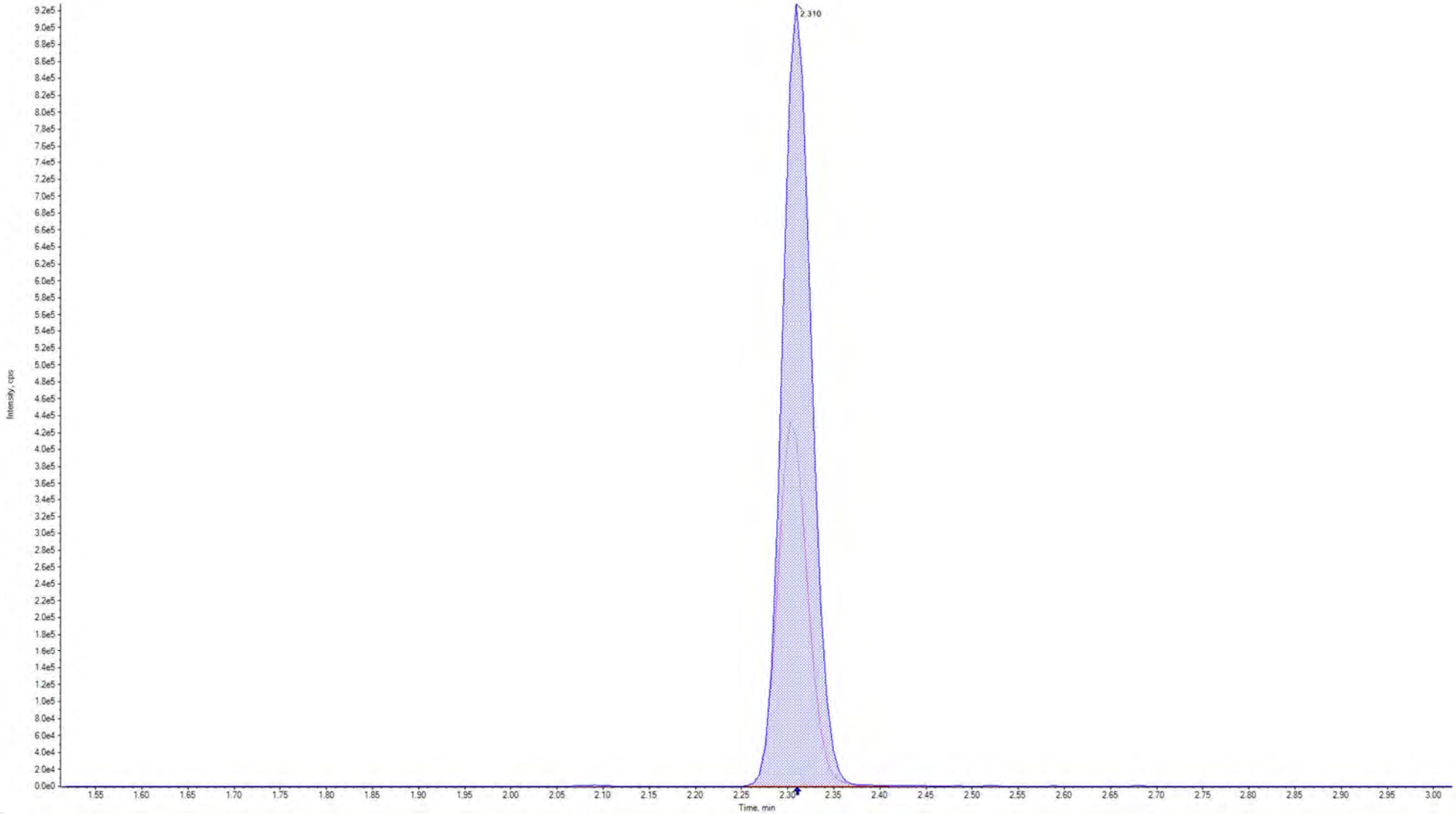
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_29.wiff2_4
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

NEtFOSE
Sample: IA1633STD-5 S/N:1711.9 Points Across peak:105



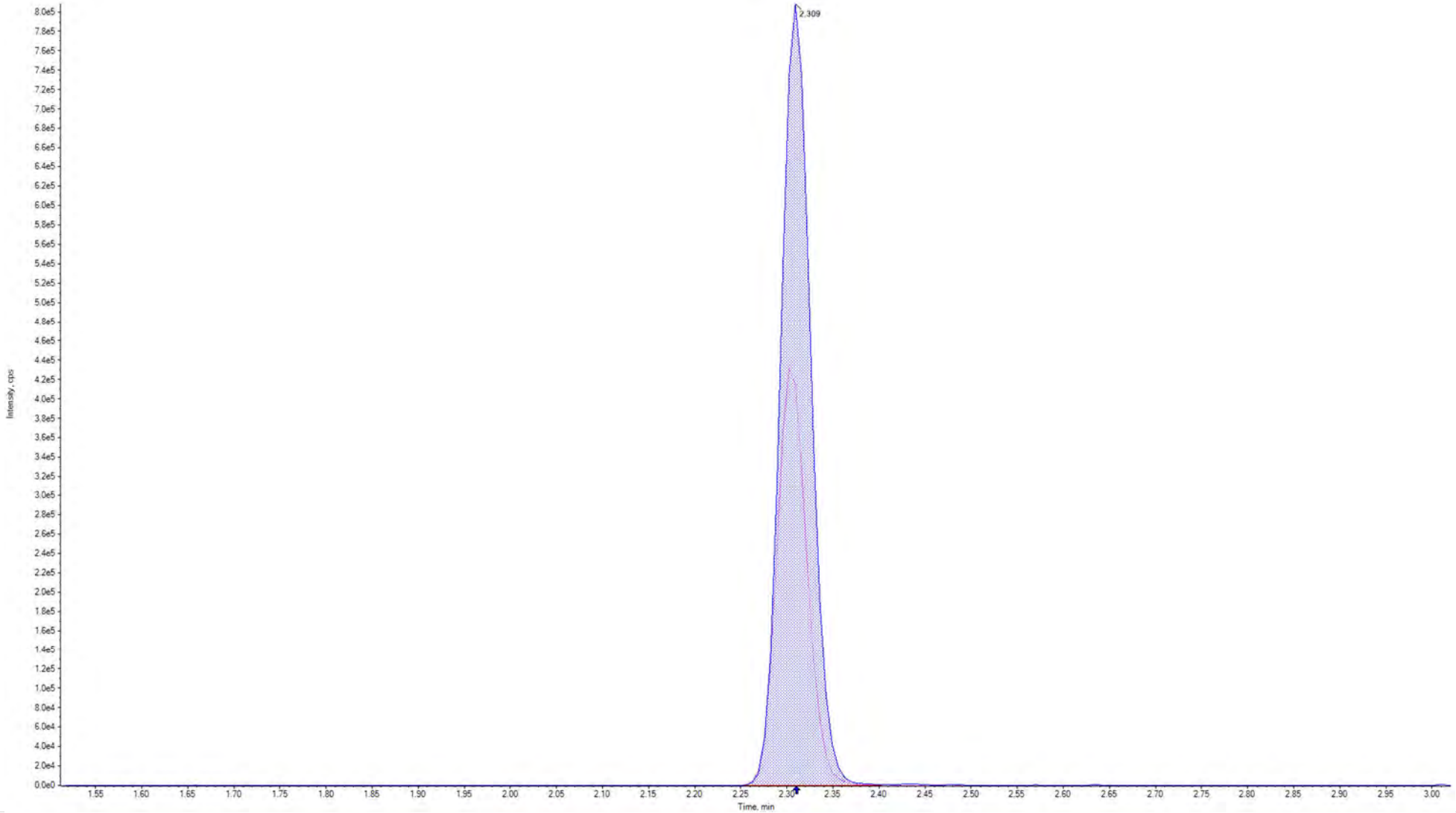
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_29.wiff2_4
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

HFPO-DA
Sample: IA1633STD-5 S/N:5804.5 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\250228\SCI07_250228_29.wiff2_4
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

HFPO-DA_2
Sample: IA1633STD-5 S/N:6197.8 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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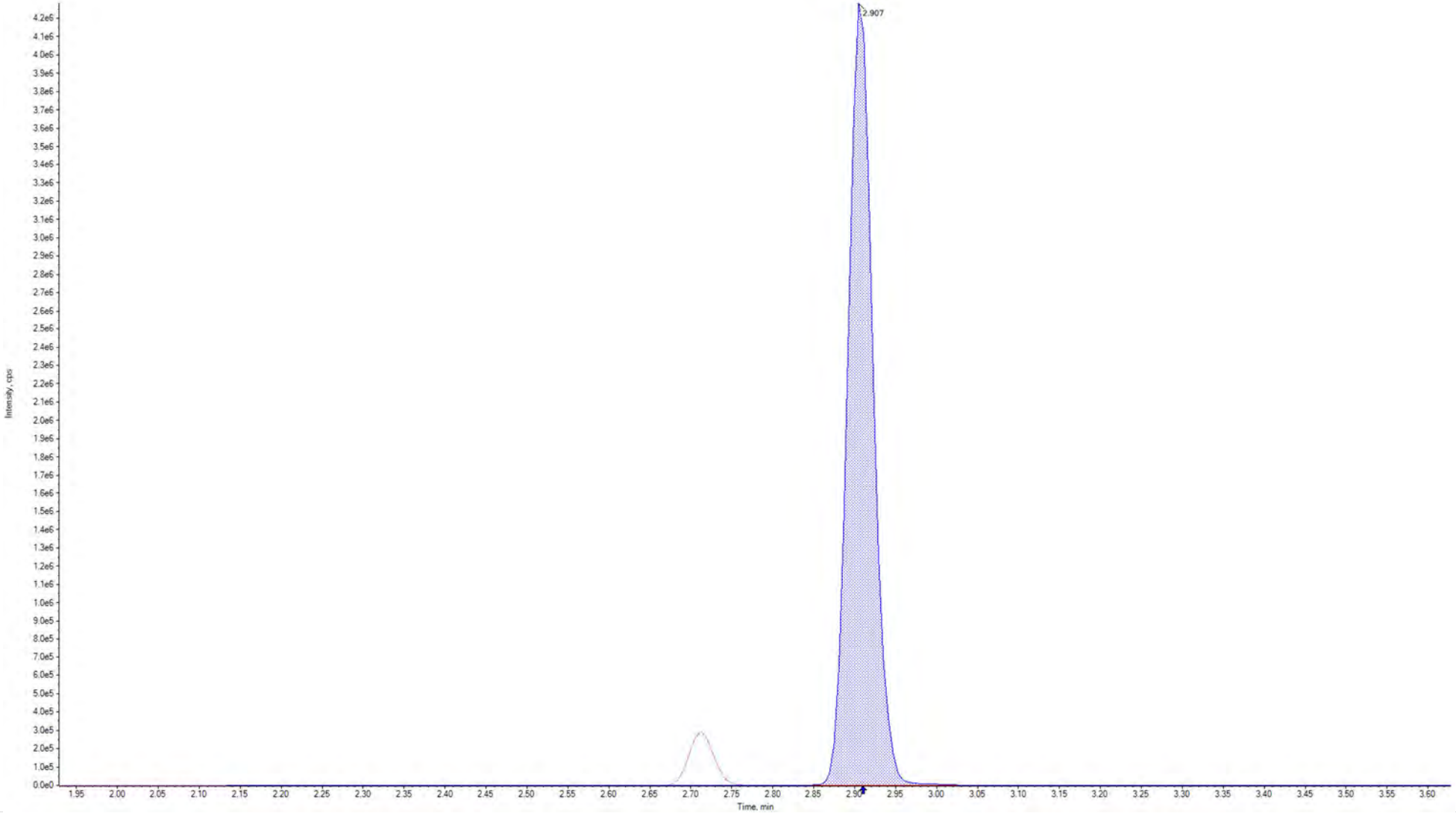
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

ADONA
Sample: IA1633STD-5 S/N:53659.7 Points Across peak:44



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/1/2025 8:41:50 AM
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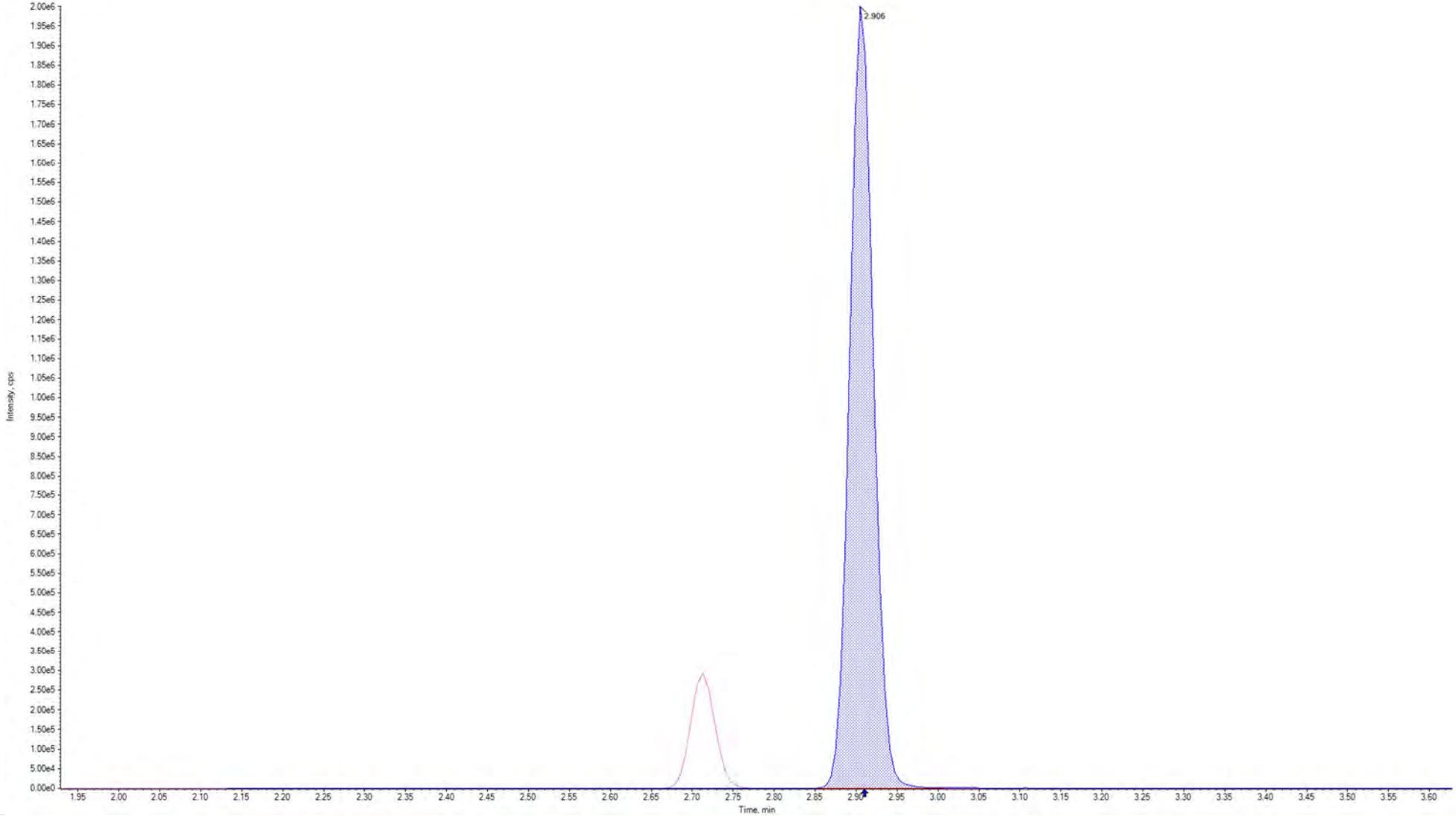
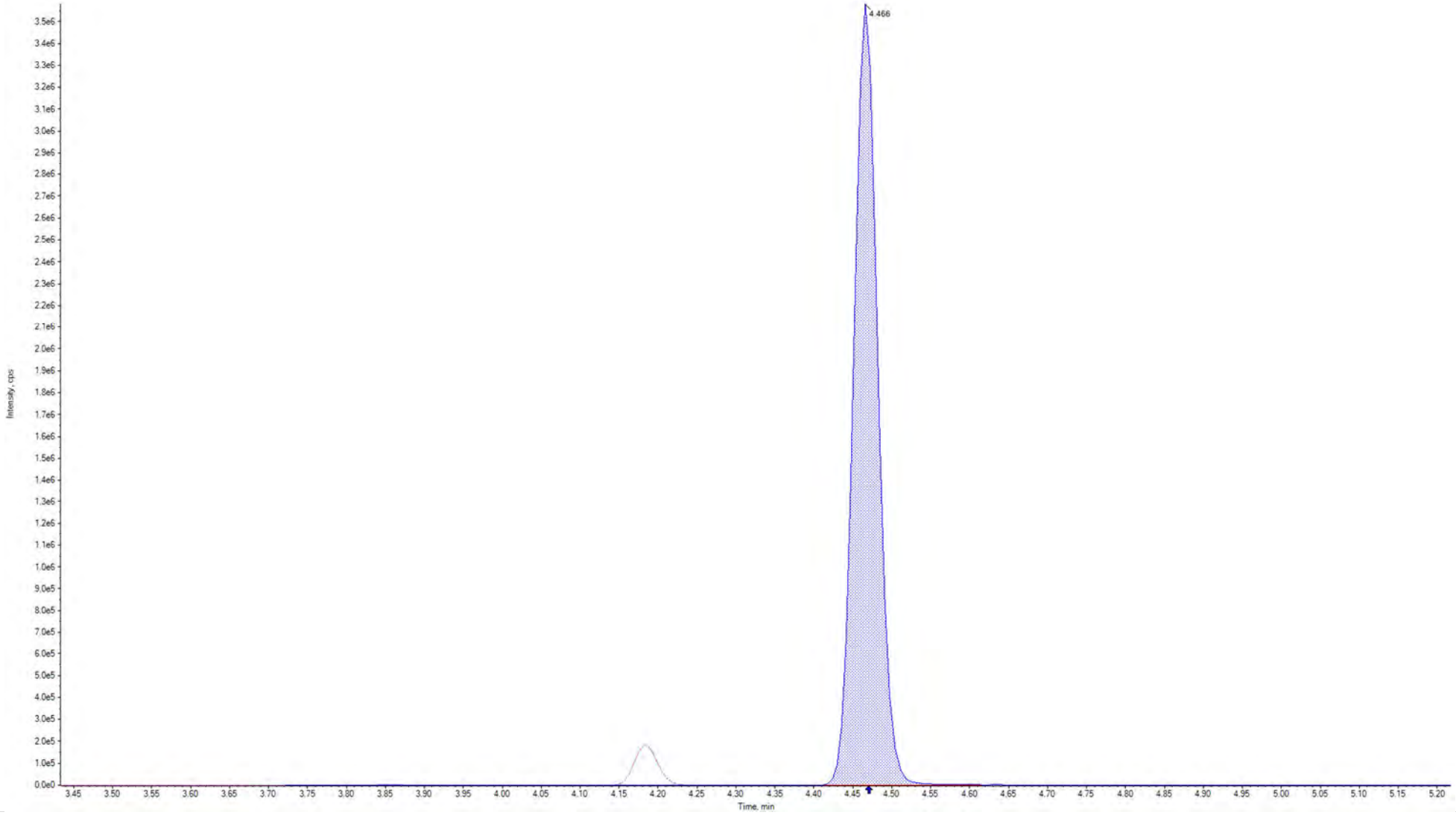
ADONA_2
Sample: IA1633STD-5 S/N:25070.3 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_29.wiff2_4
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

9Cl-PF3ONS
Sample: IA1633STD-5 S/N:9210.3 Points Across peak:37



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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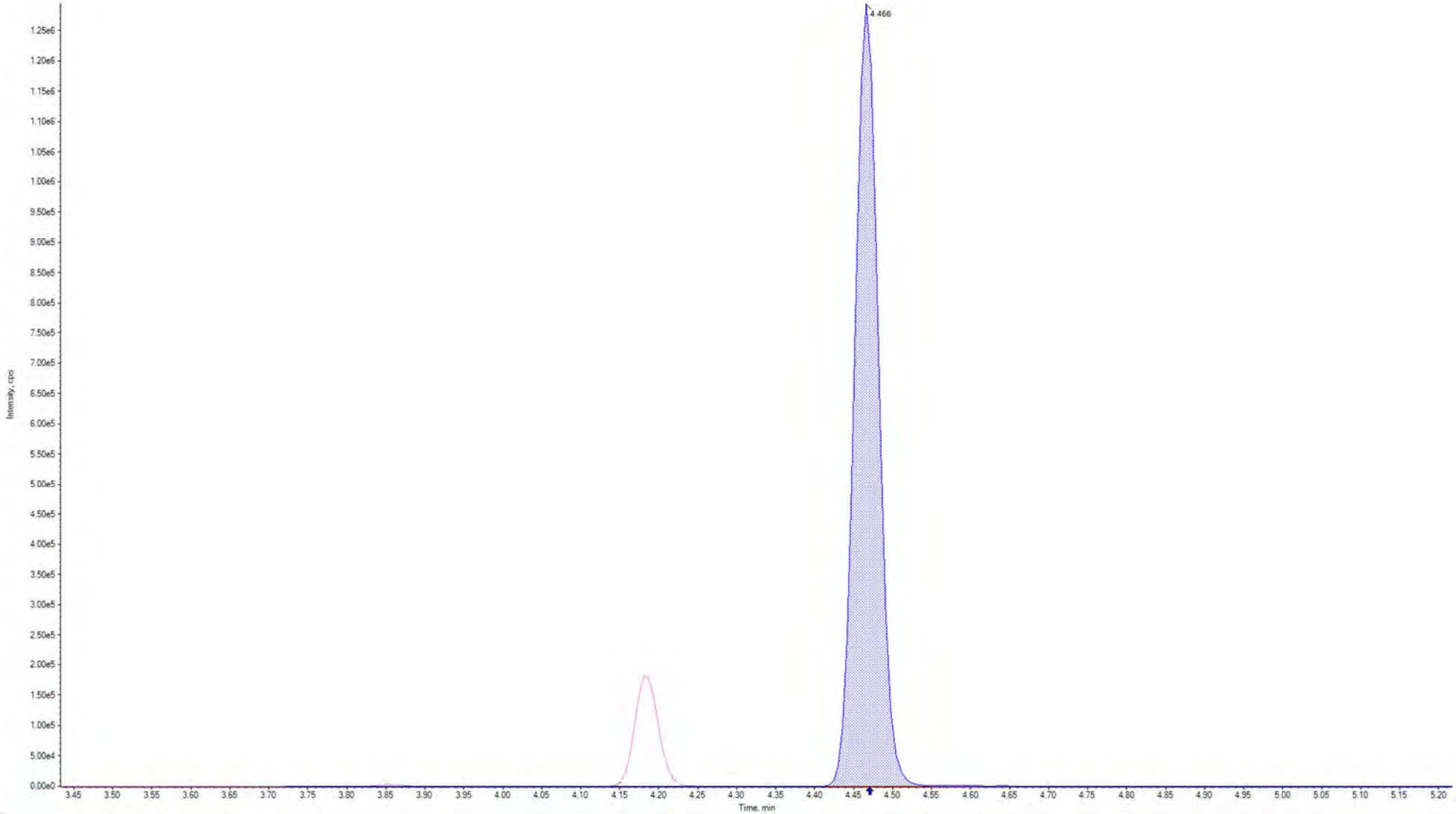
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

9Cl-PF3ONS_2
Sample: IA1633STD-5 S/N:8175.4 Points Across peak:30



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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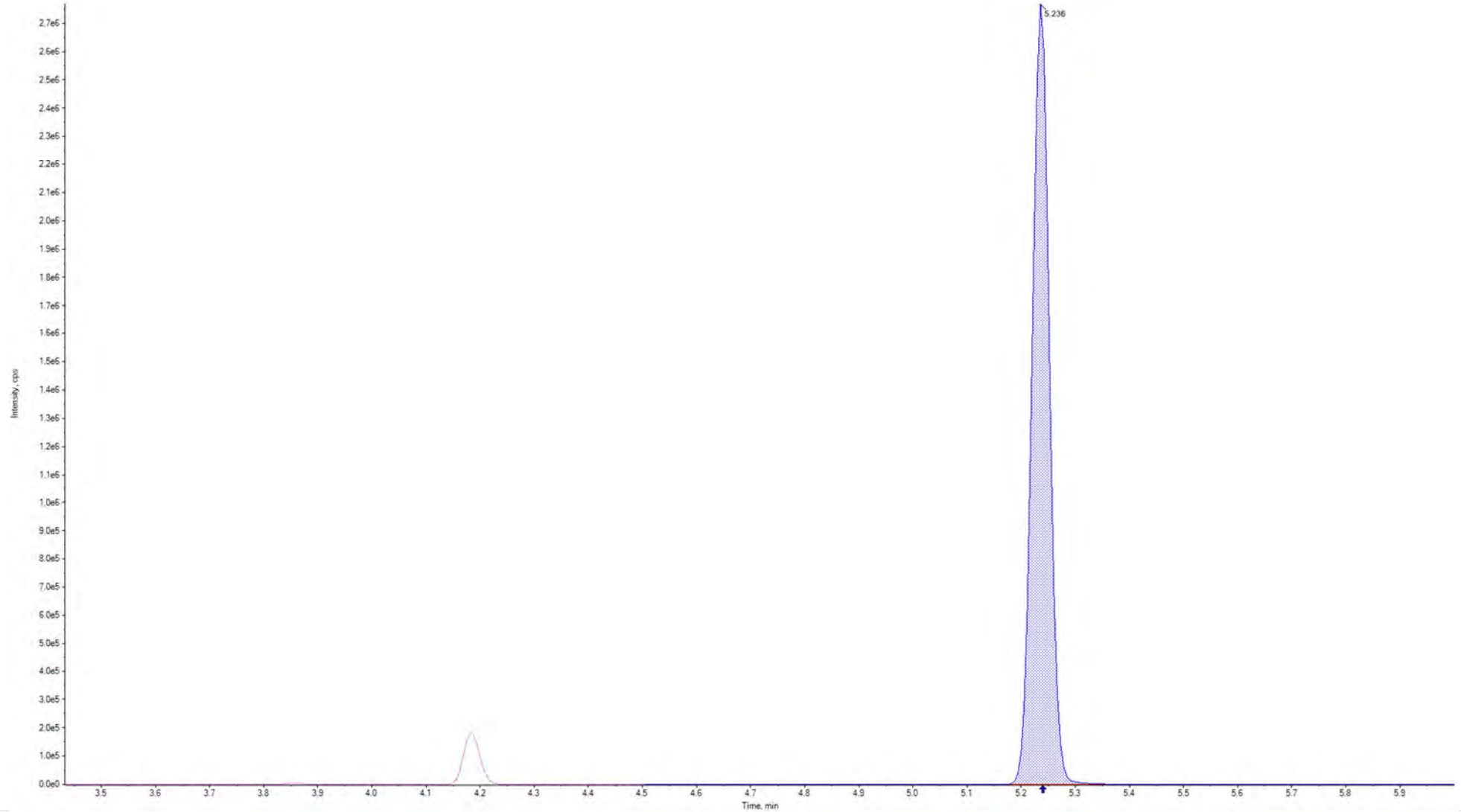
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

11Cl-PF3OUdS
Sample: IA1633STD-5 S/N:10790.5 Points Across peak:38



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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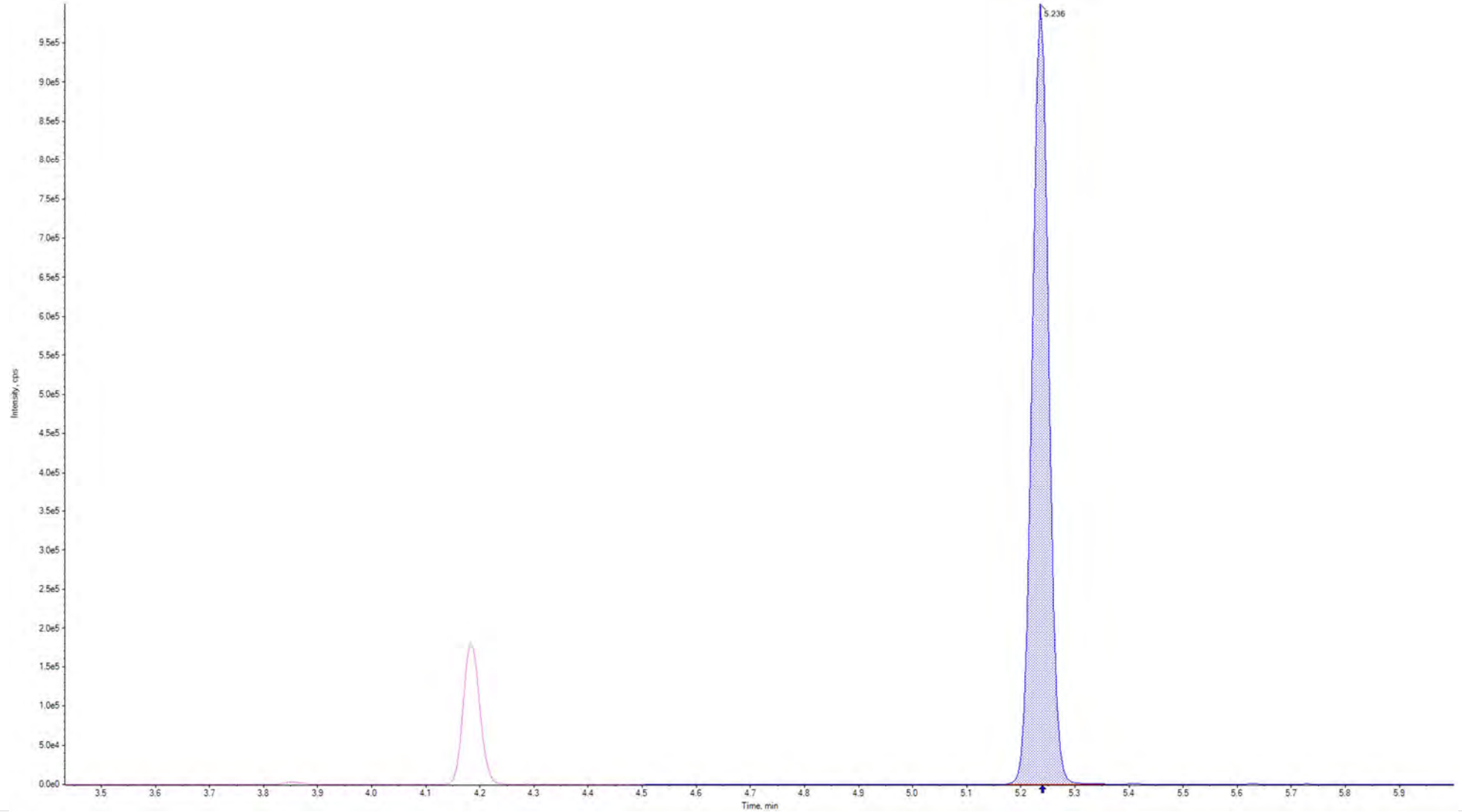
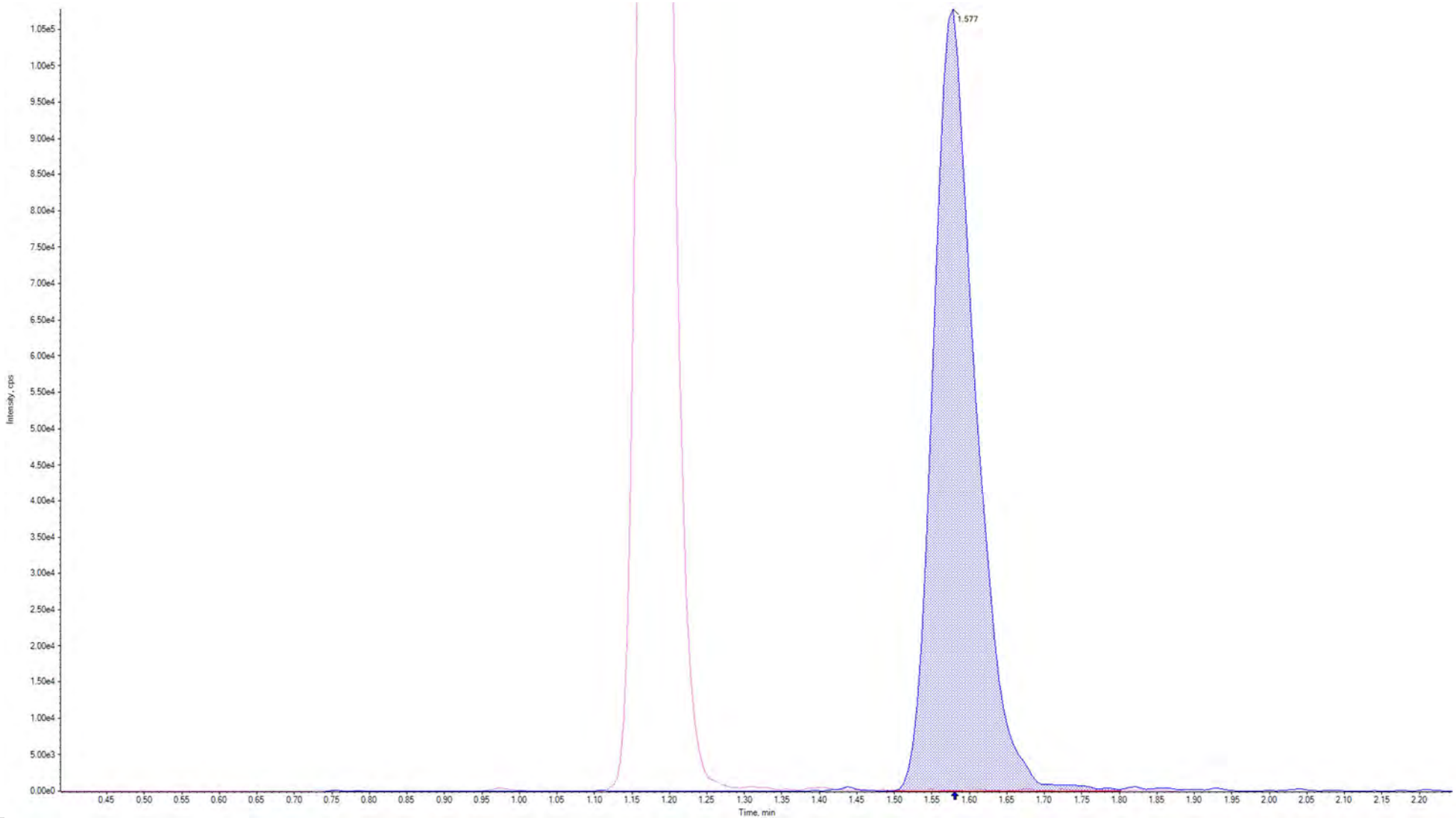
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

11Cl-PF3OUdS_2
Sample: IA1633STD-5 S/N:12856.5 Points Across peak:43



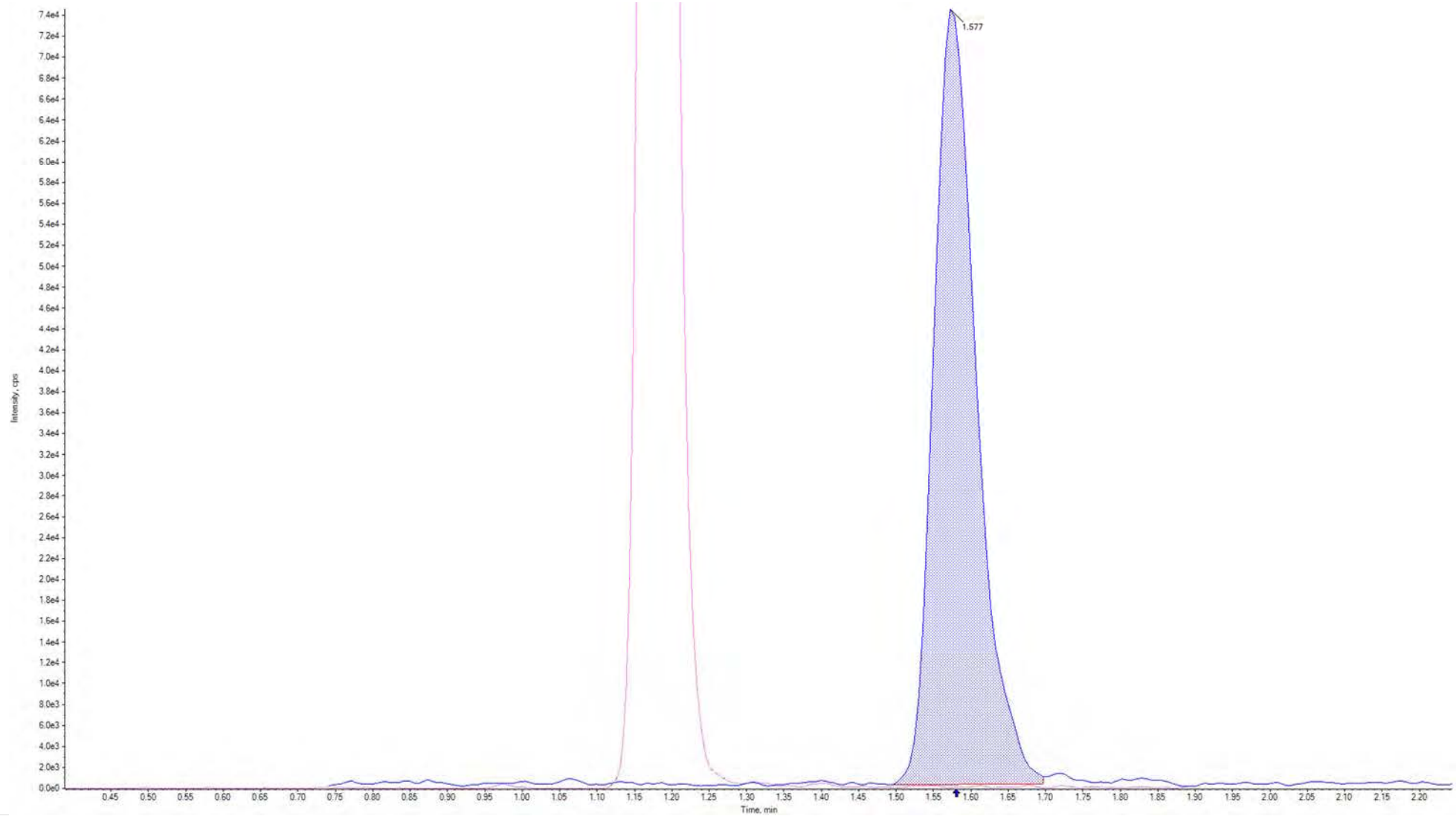
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_29.wiff2_4
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

3:3FTCA
Sample: IA1633STD-5 S/N:3750.1 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\250228\SCI07_250228_29.wiff2_4
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

3:3FTCA_2
Sample: IA1633STD-5 S/N:1254.3 Points Across peak:35



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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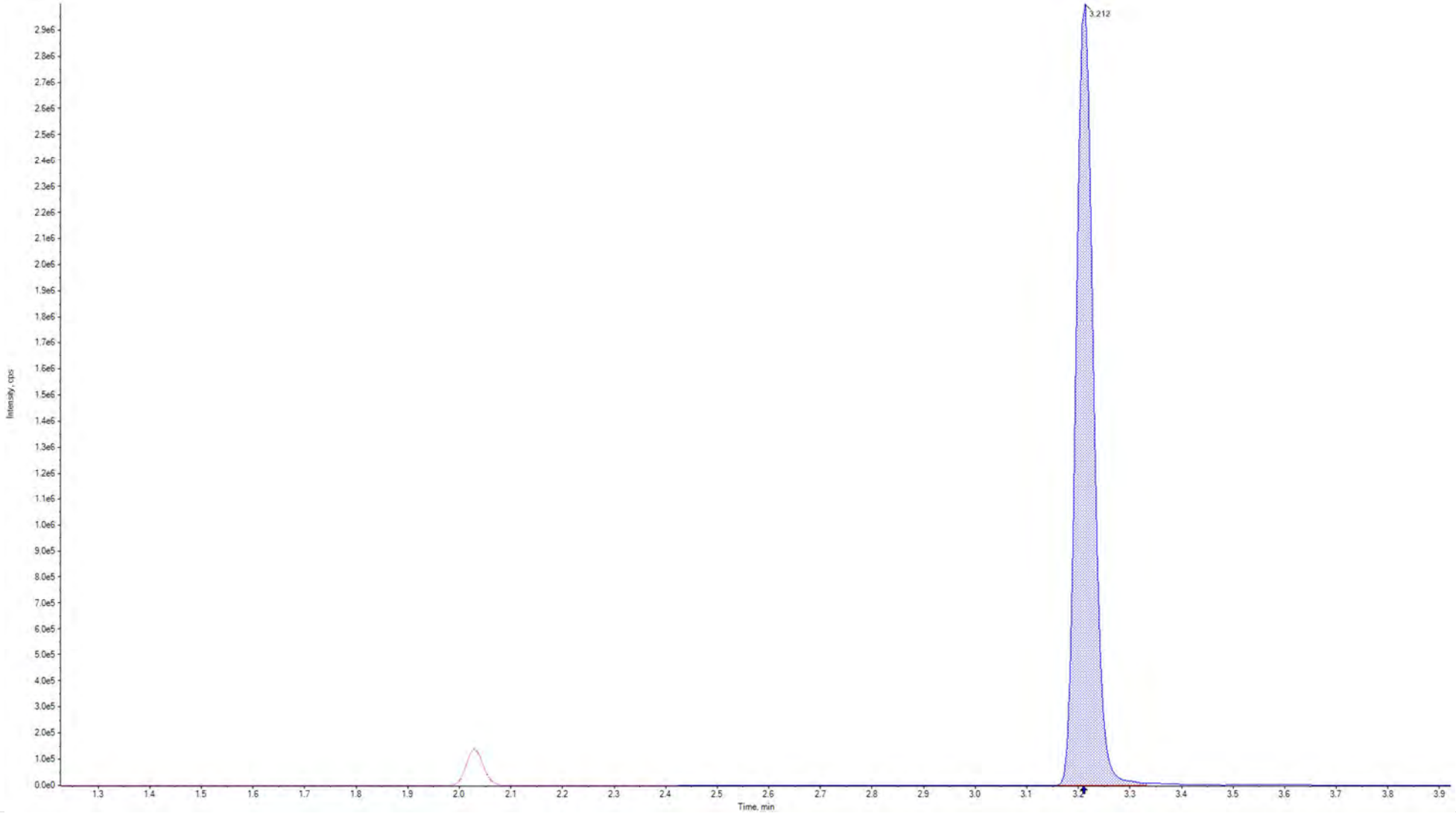
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

5:3FTCA
Sample: IA1633STD-5 S/N:12167.8 Points Across peak:33



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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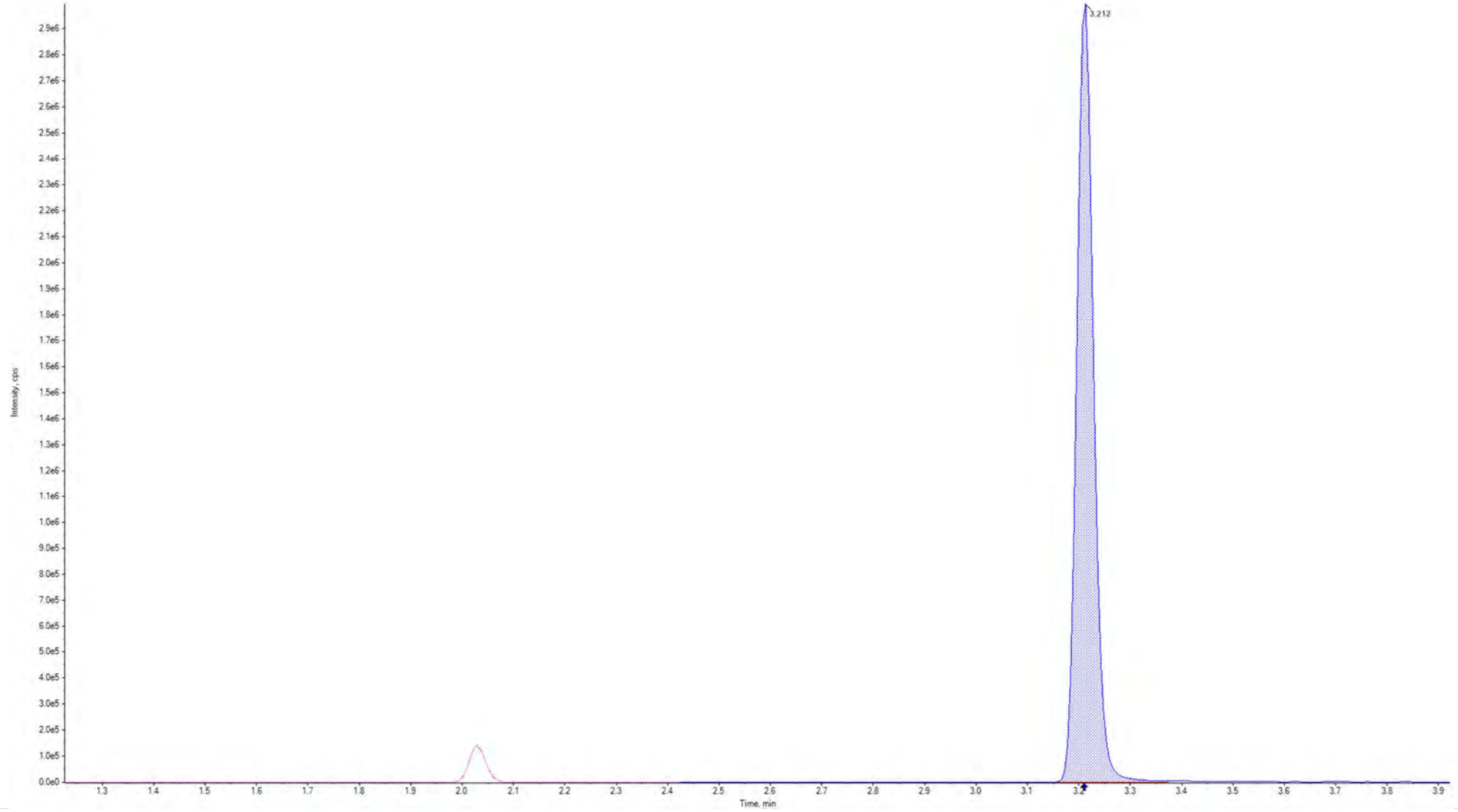
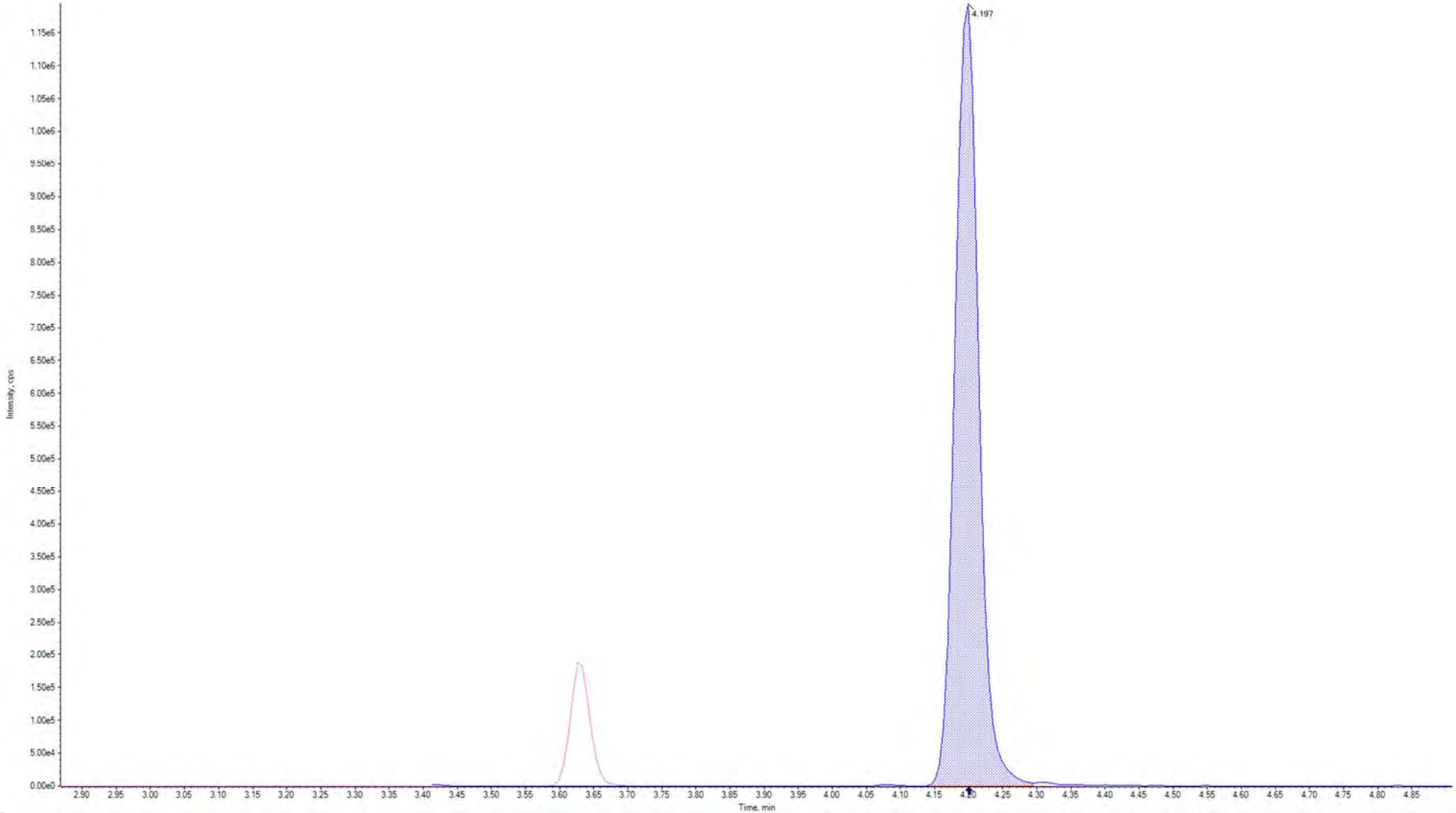
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

5:3FTCA_2
Sample: IA1633STD-5 S/N:5357.9 Points Across peak:39



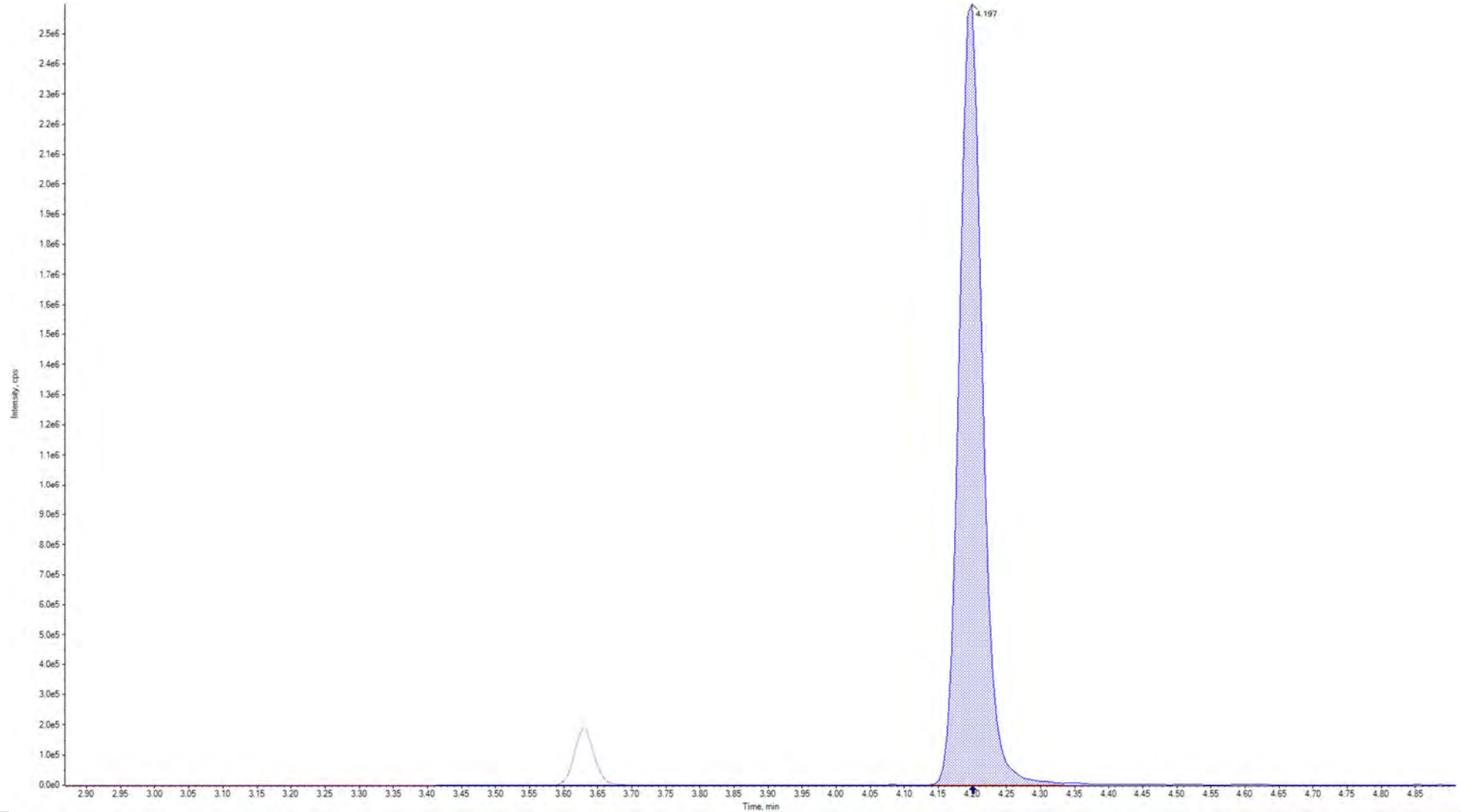
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_29.wiff2_4
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

7:3FTCA
Sample: IA1633STD-5 S/N:4499.1 Points Across peak:29



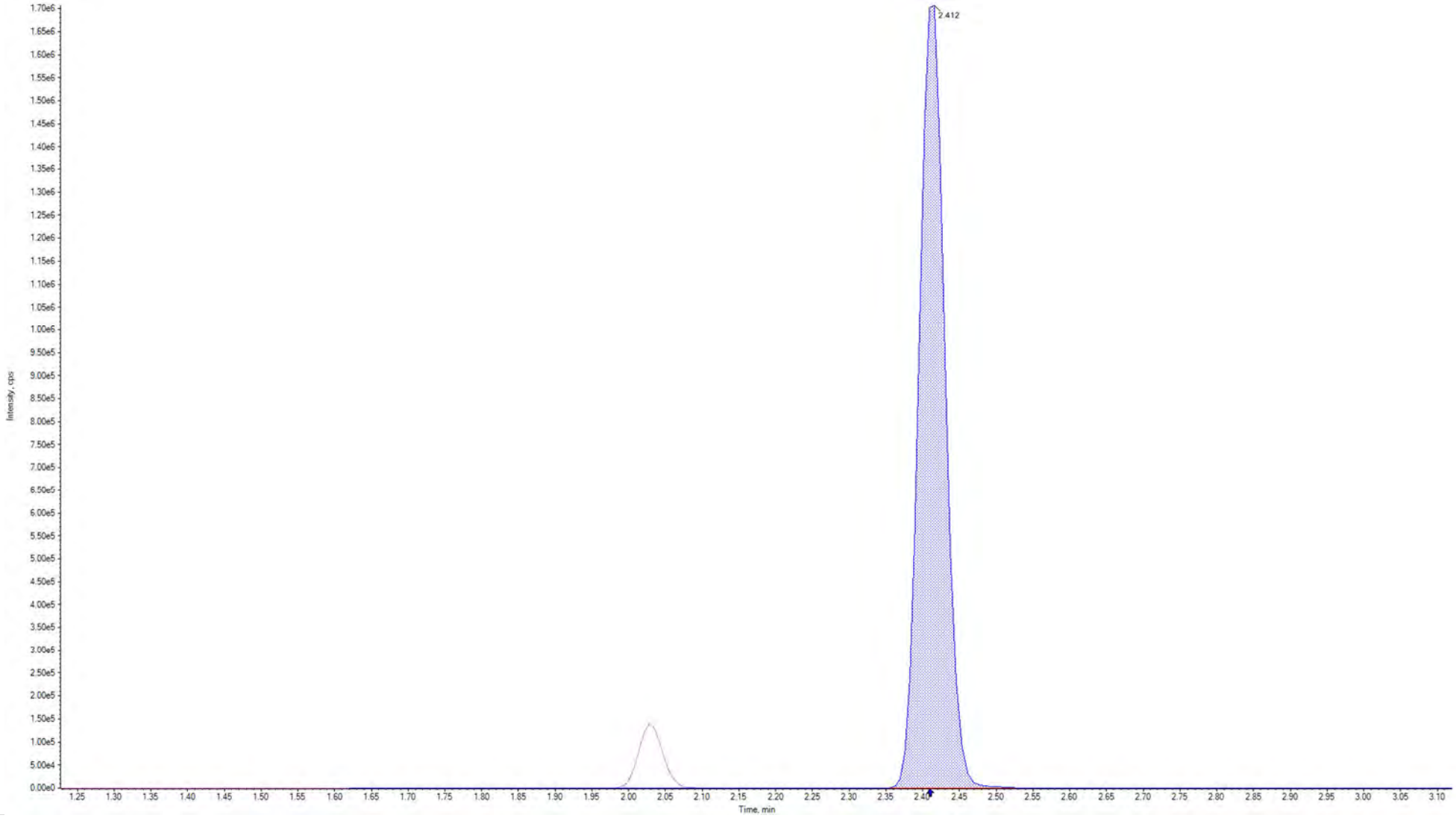
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_29.wiff2_4
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

7:3FTCA_2
Sample: IA1633STD-5 S/N:5622.1 Points Across peak:34



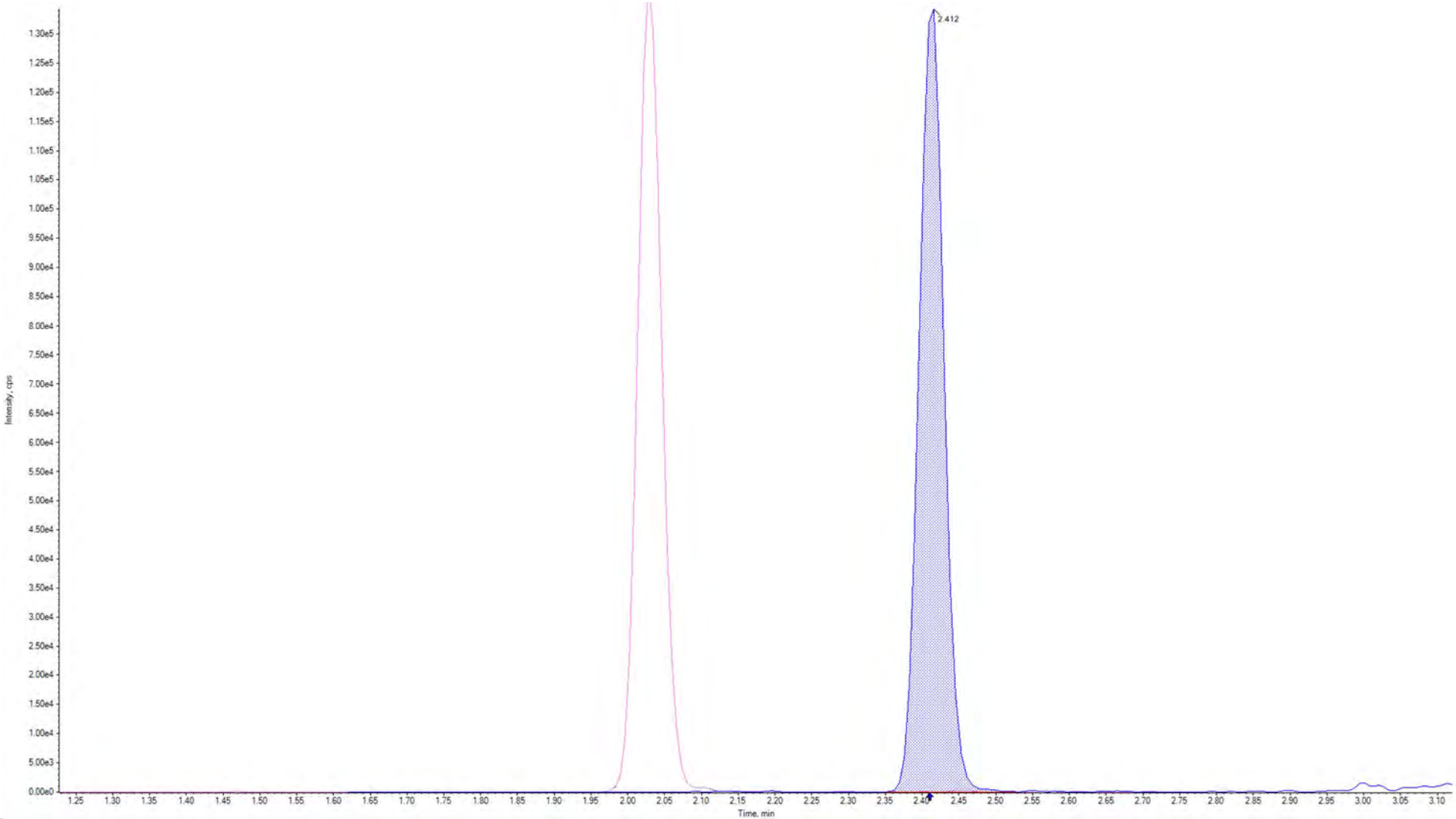
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_29.wiff2_4
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

PFEESA
Sample: IA1633STD-5 S/N:15453.6 Points Across peak:33



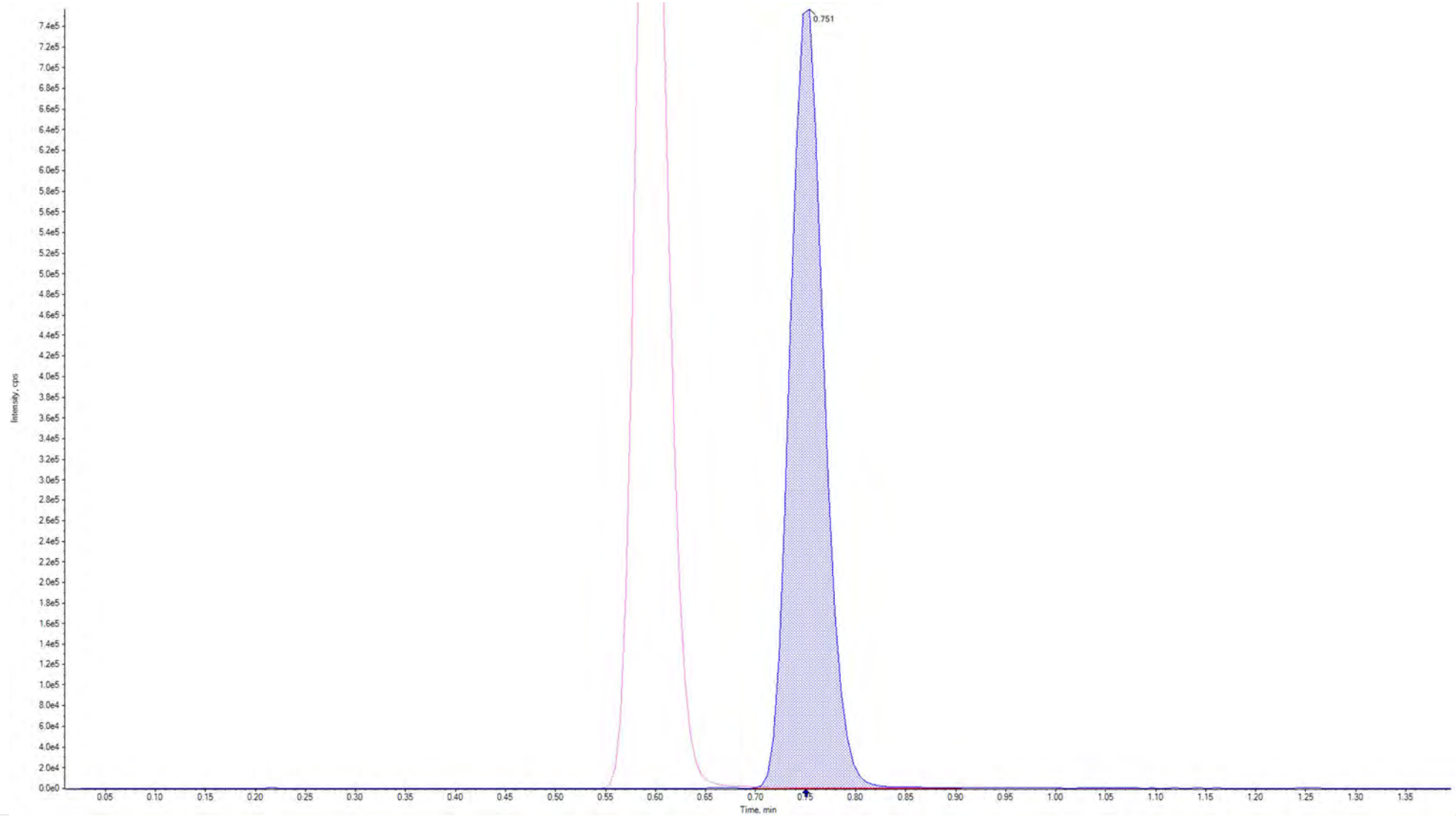
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_29.wiff2_4
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

PFEESA_2
Sample: IA1633STD-5 S/N:2354.6 Points Across peak:34



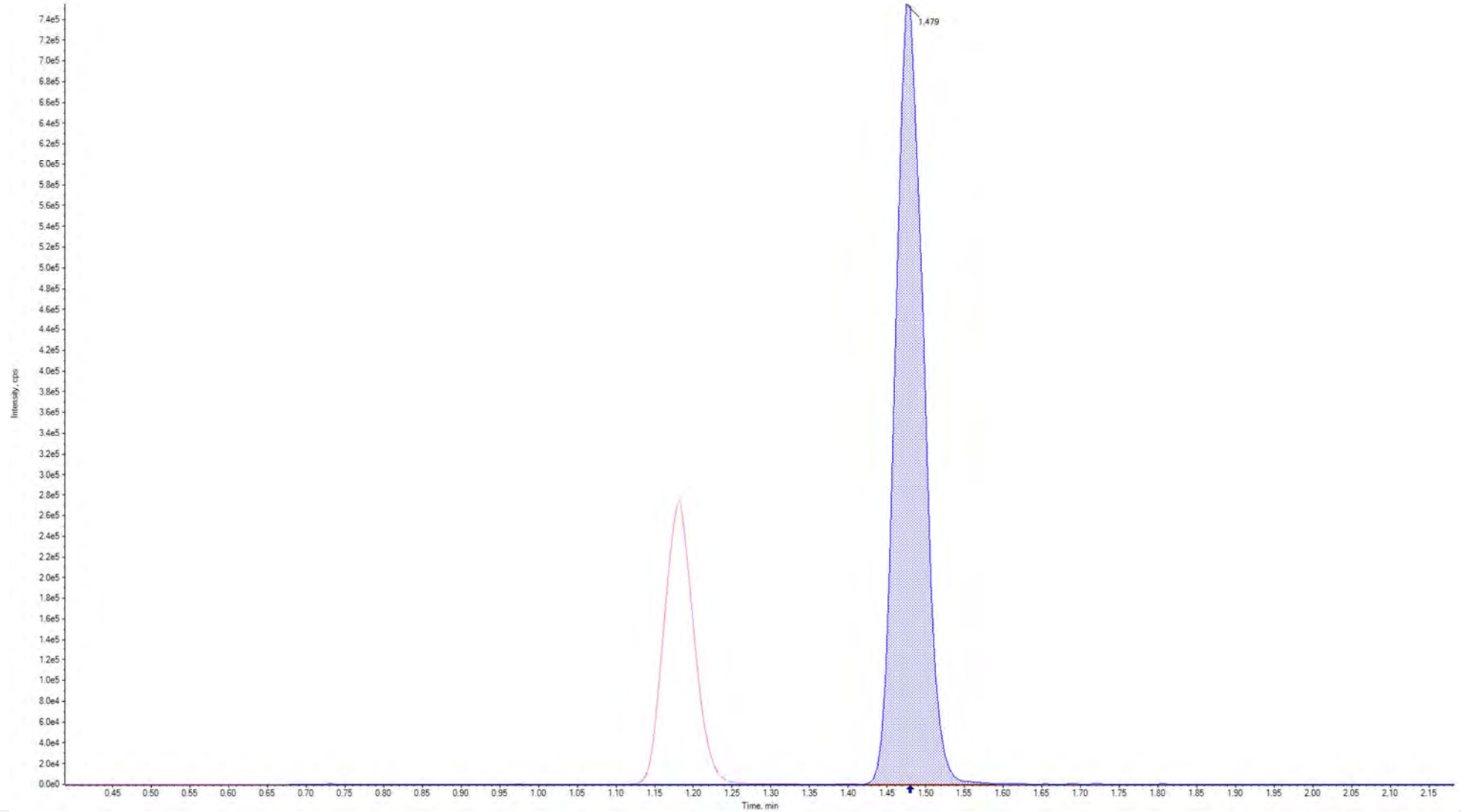
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_29.wiff2_4
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

PFMPA
Sample: IA1633STD-5 S/N:4886.0 Points Across peak:36



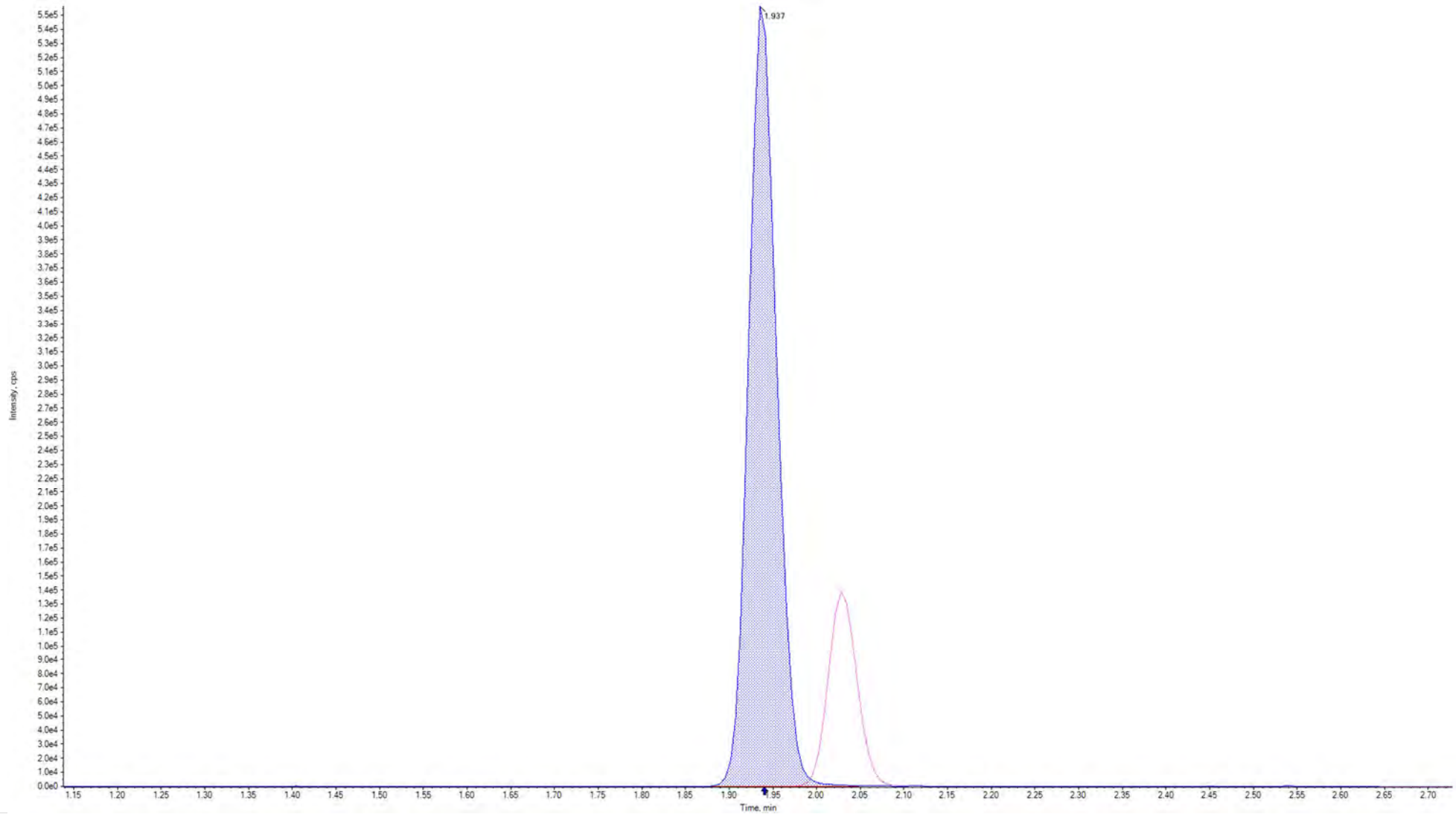
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_29.wiff2_4
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

PFMBA
Sample: IA1633STD-5 S/N:28378.9 Points Across peak:34



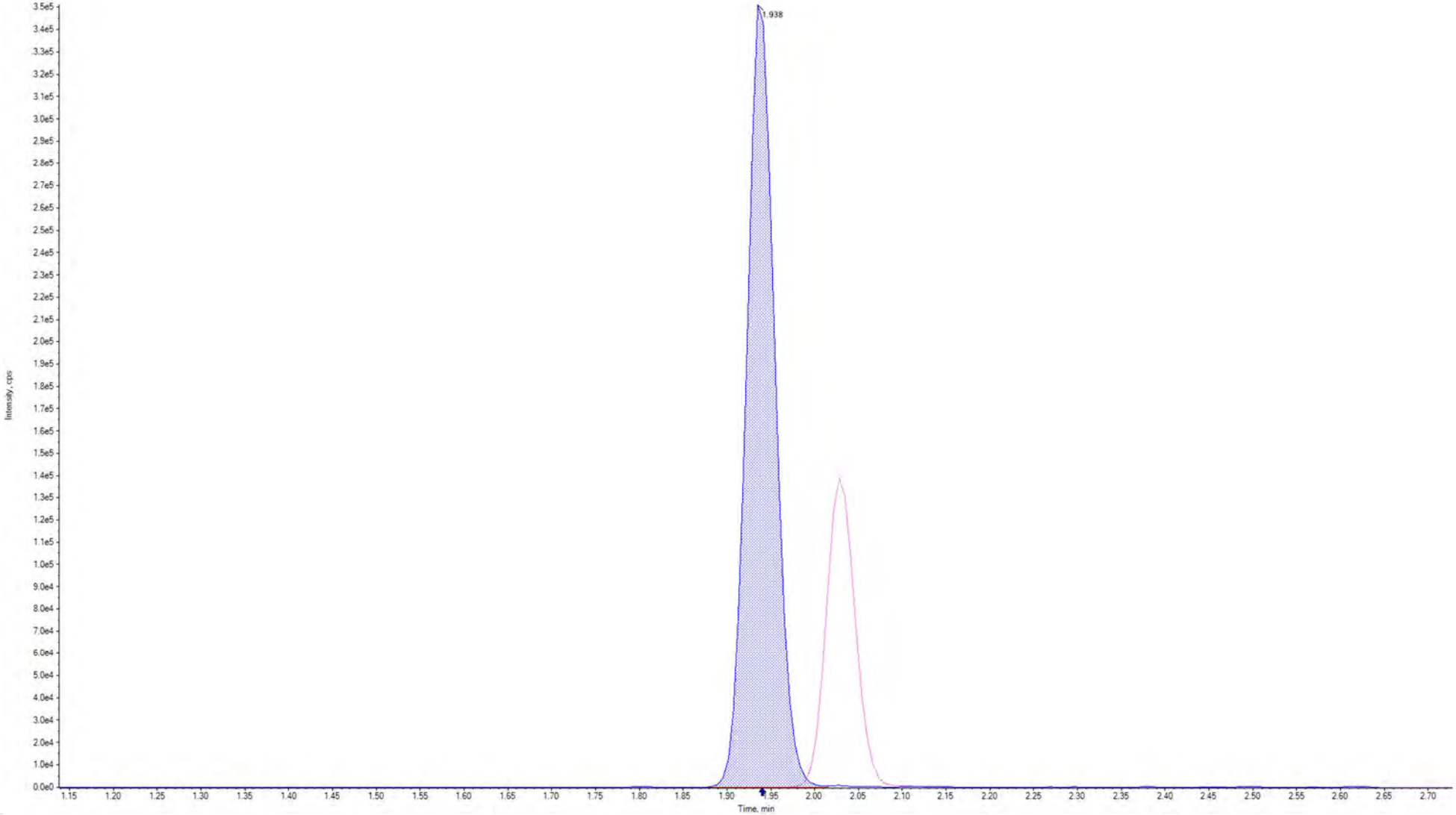
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_29.wiff2_4
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

NFDHA
Sample: IA1633STD-5 S/N:10956.0 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\250228\SCI07_250228_29.wiff2_4
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

NFDHA_2
Sample: IA1633STD-5 S/N:5628.5 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\250228\SCI07_250228_29.wiff2_4
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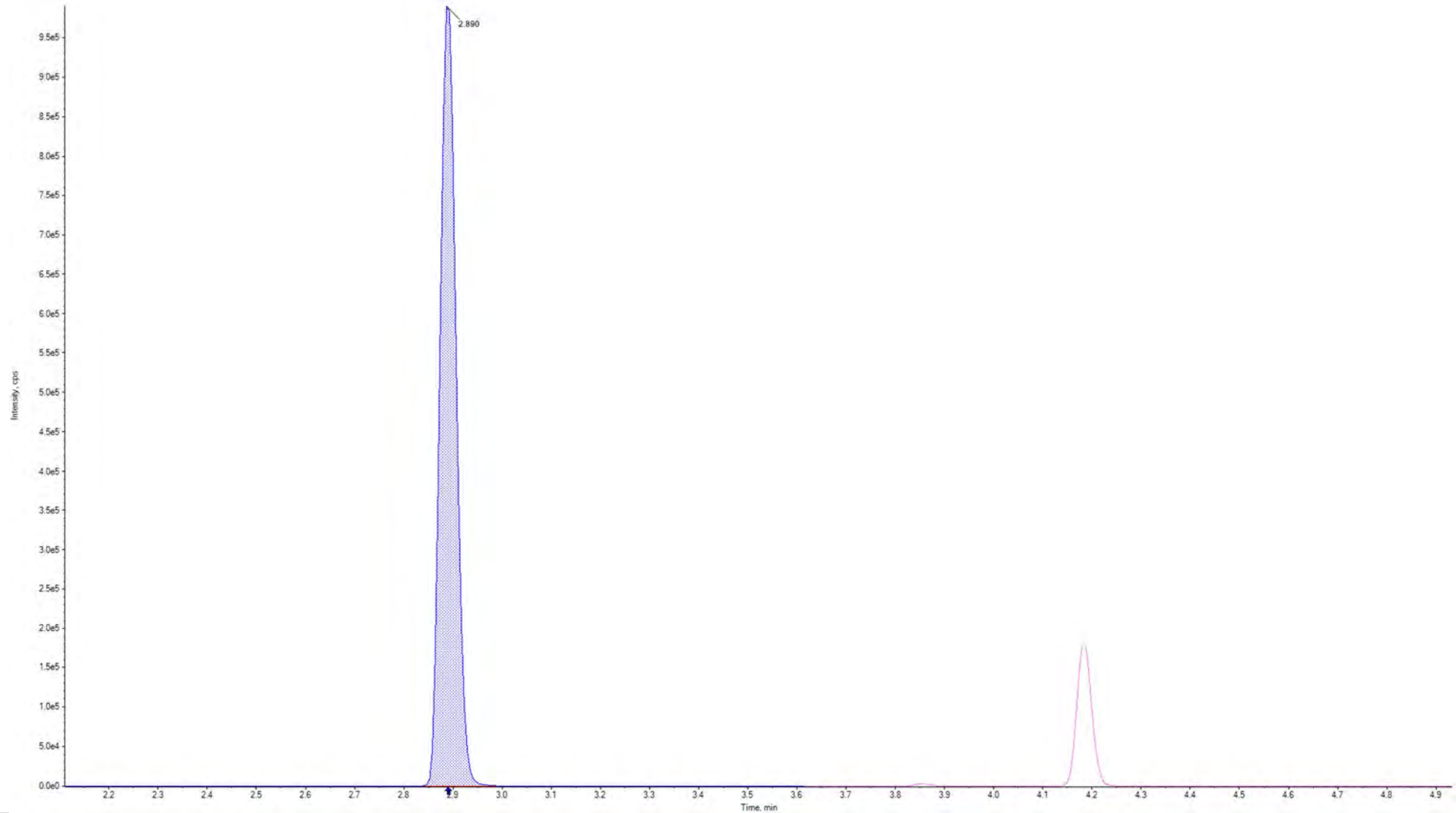
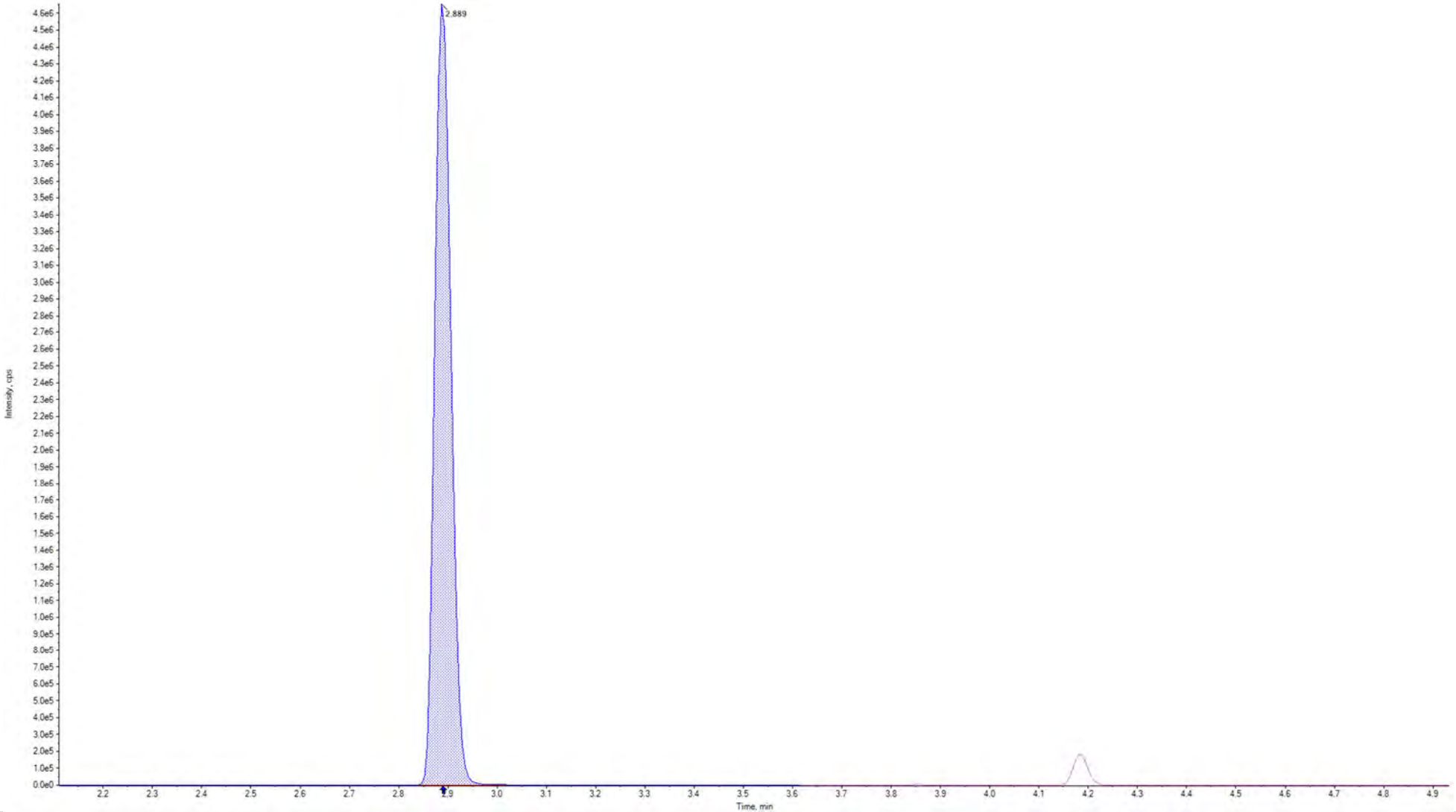
Generated: 2/28/2025 12:43:00 PM

TDCA
Sample: IA1633STD-5 S/N:12400.0 Points Across peak:35



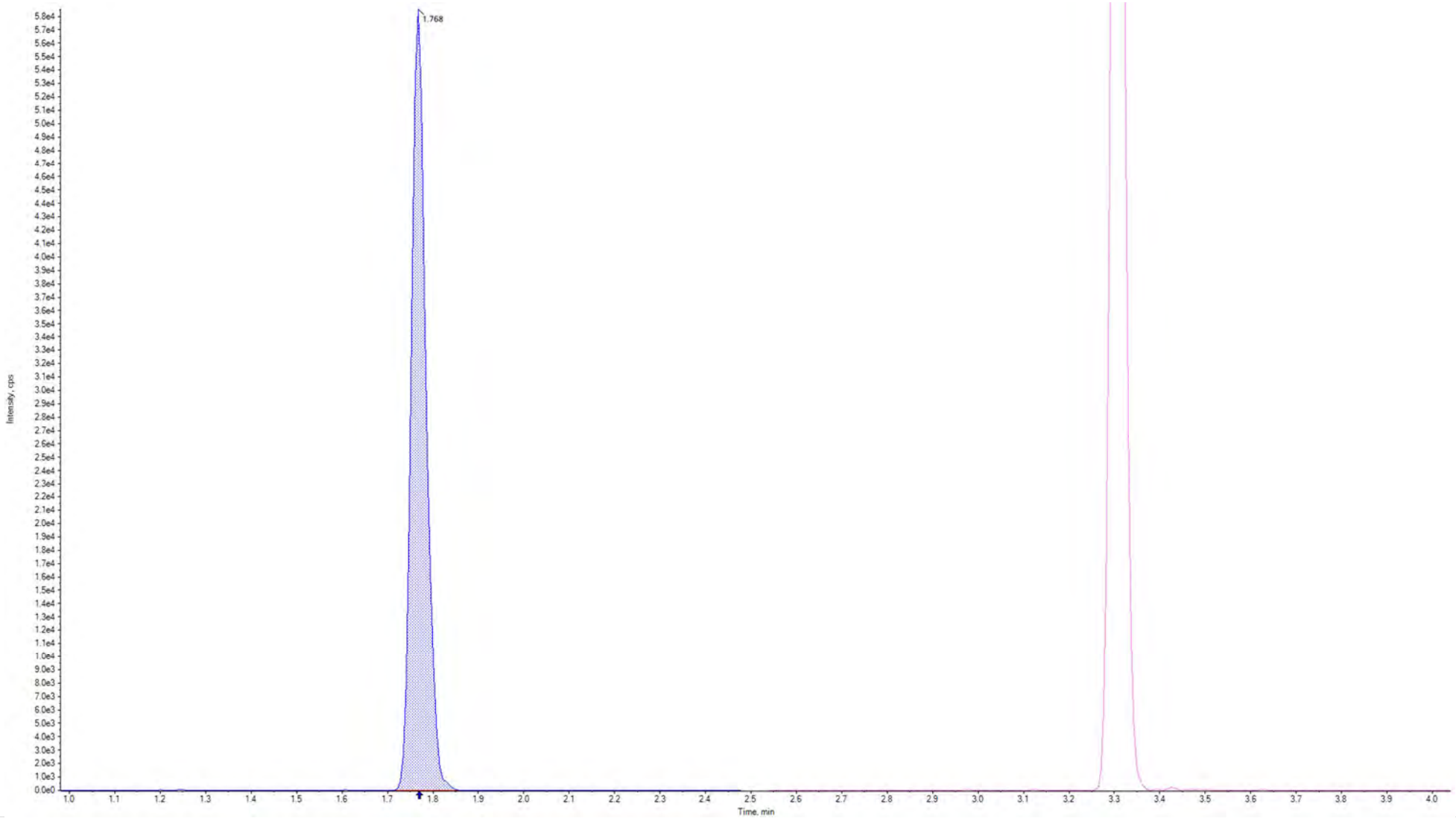
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_29.wiff2_4
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

TDCA_2
Sample: IA1633STD-5 S/N:9849.3 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\250228\SCI07_250228_29.wiff2_4
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

13C2D4-4:2FTS
Sample: IA1633STD-5 S/N:1613.9 Points Across peak:35



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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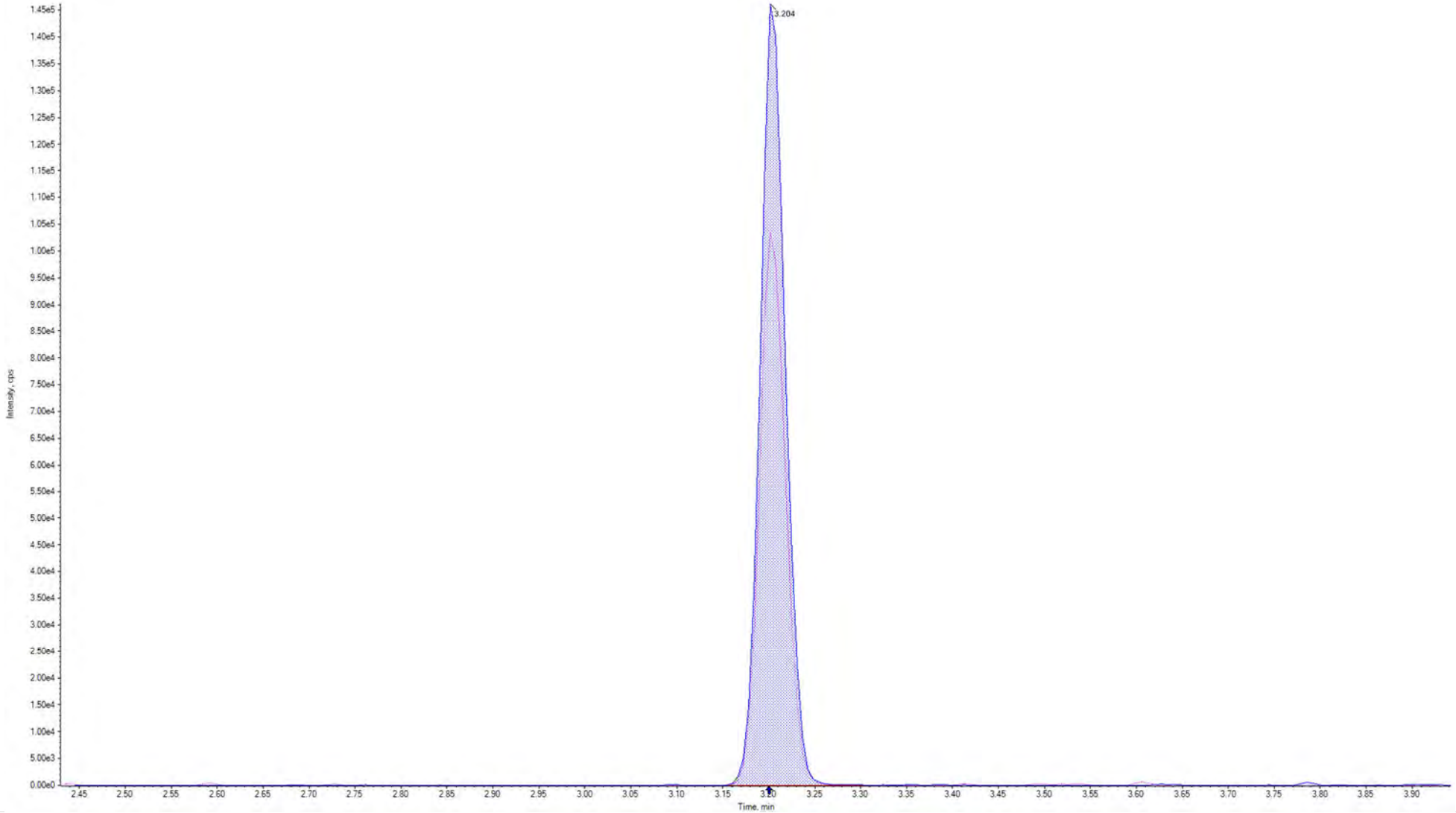
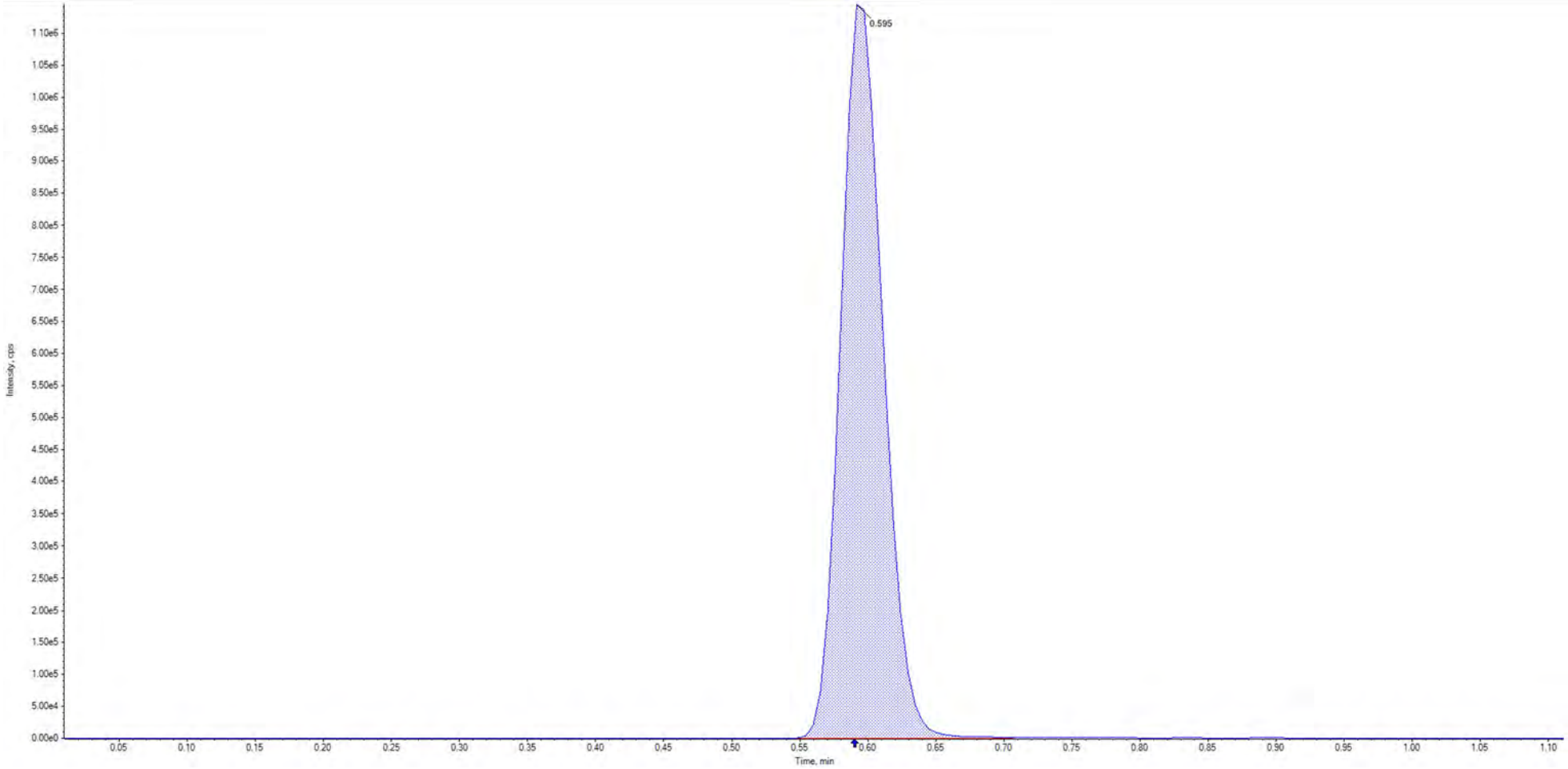
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

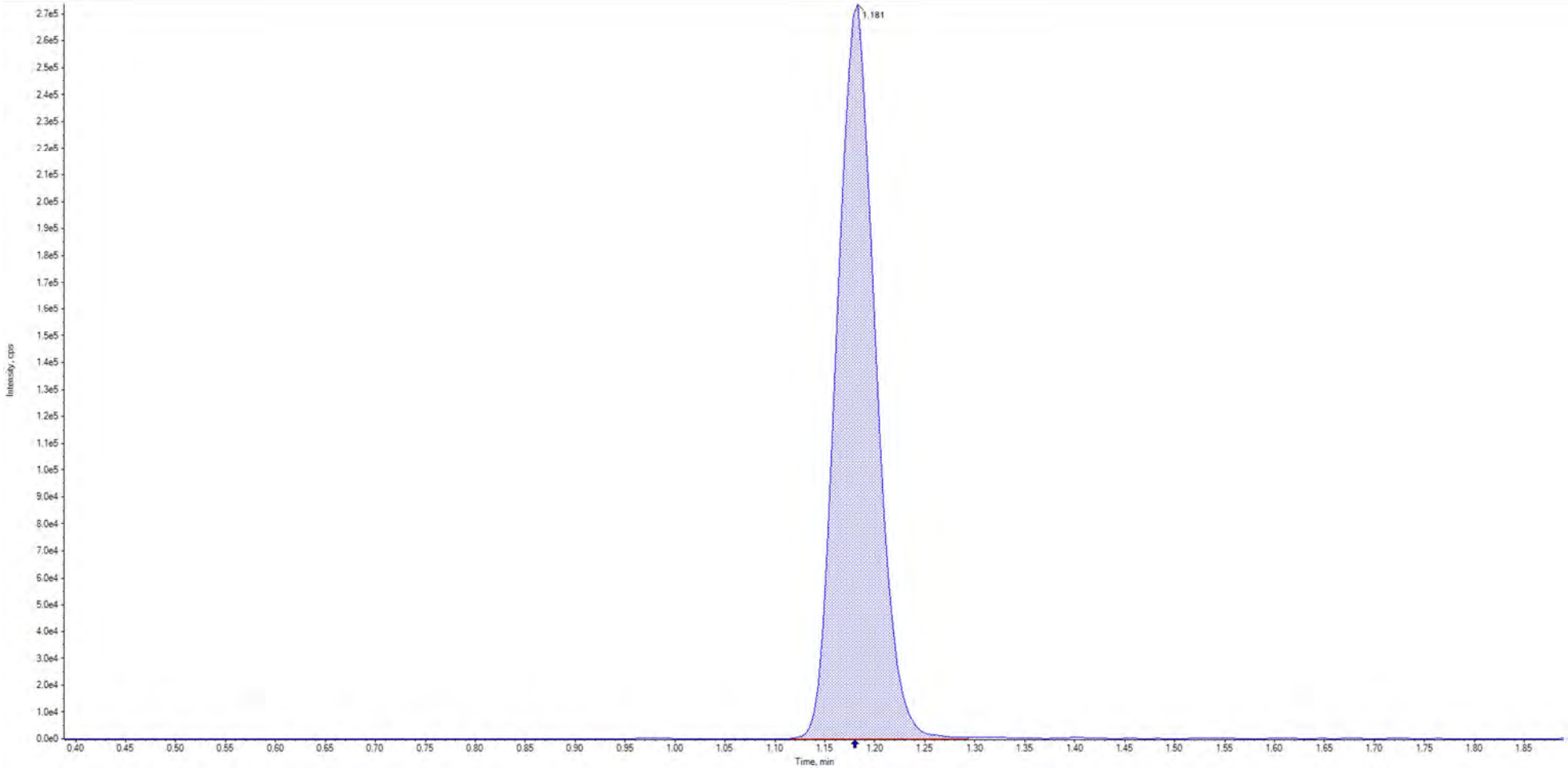
13C2-PFOA
Sample: IA1633STD-5 S/N:1831.5 Points Across peak:32



13C4-PFBA
Sample: IA1633STD-5

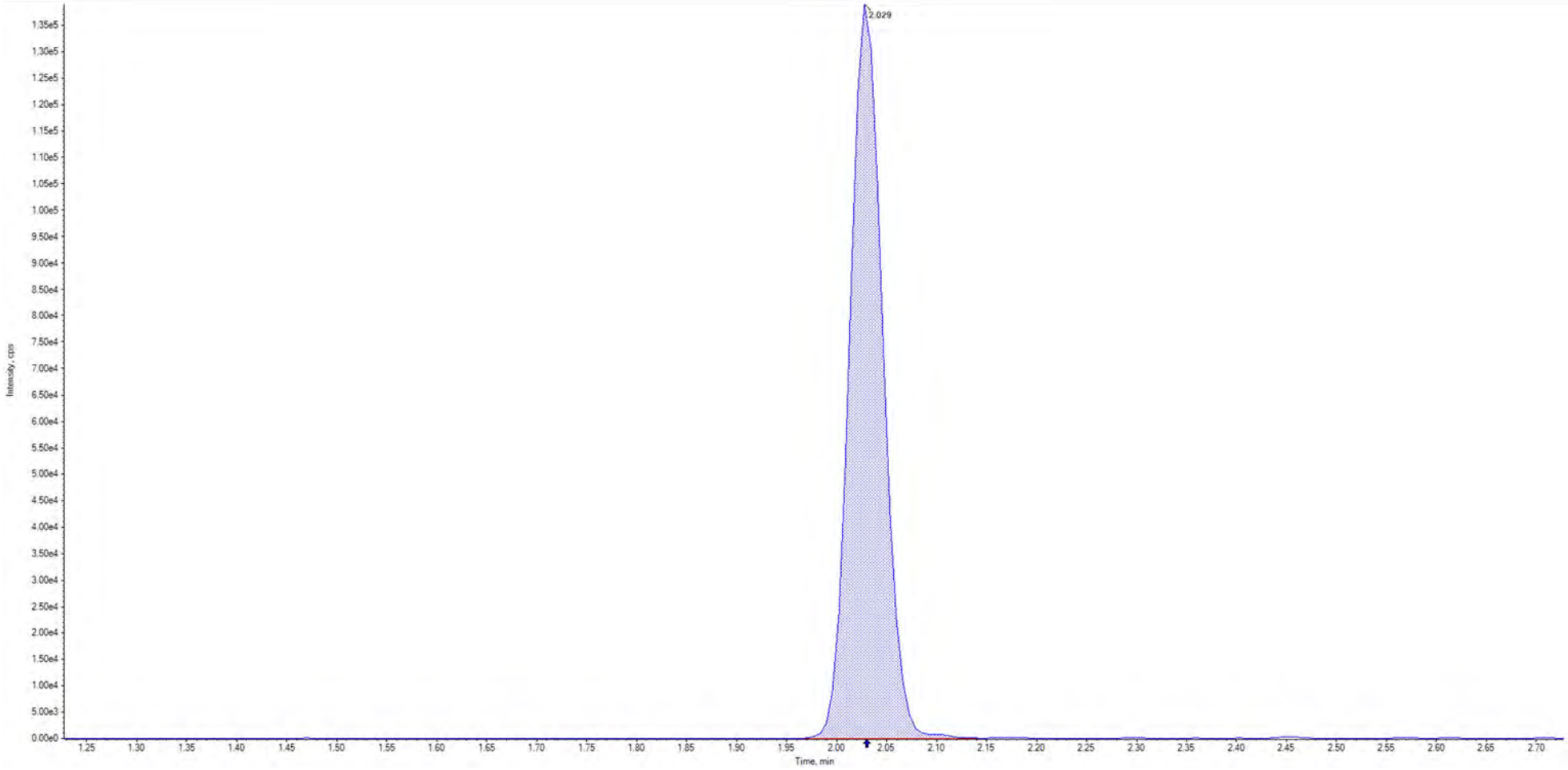


13C5-PFPeA
Sample: IA1633STD-5

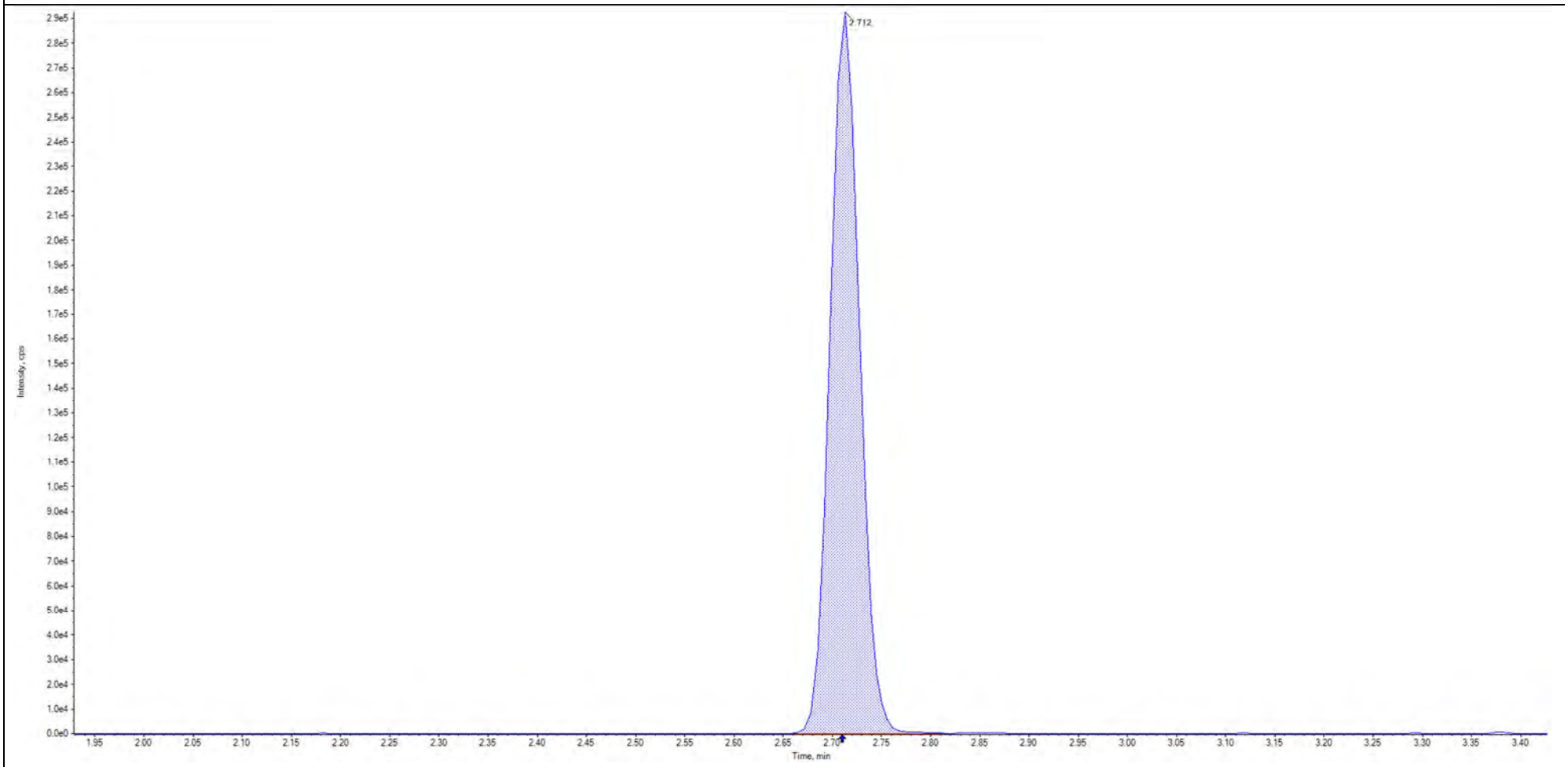


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_29.wiff2_4
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

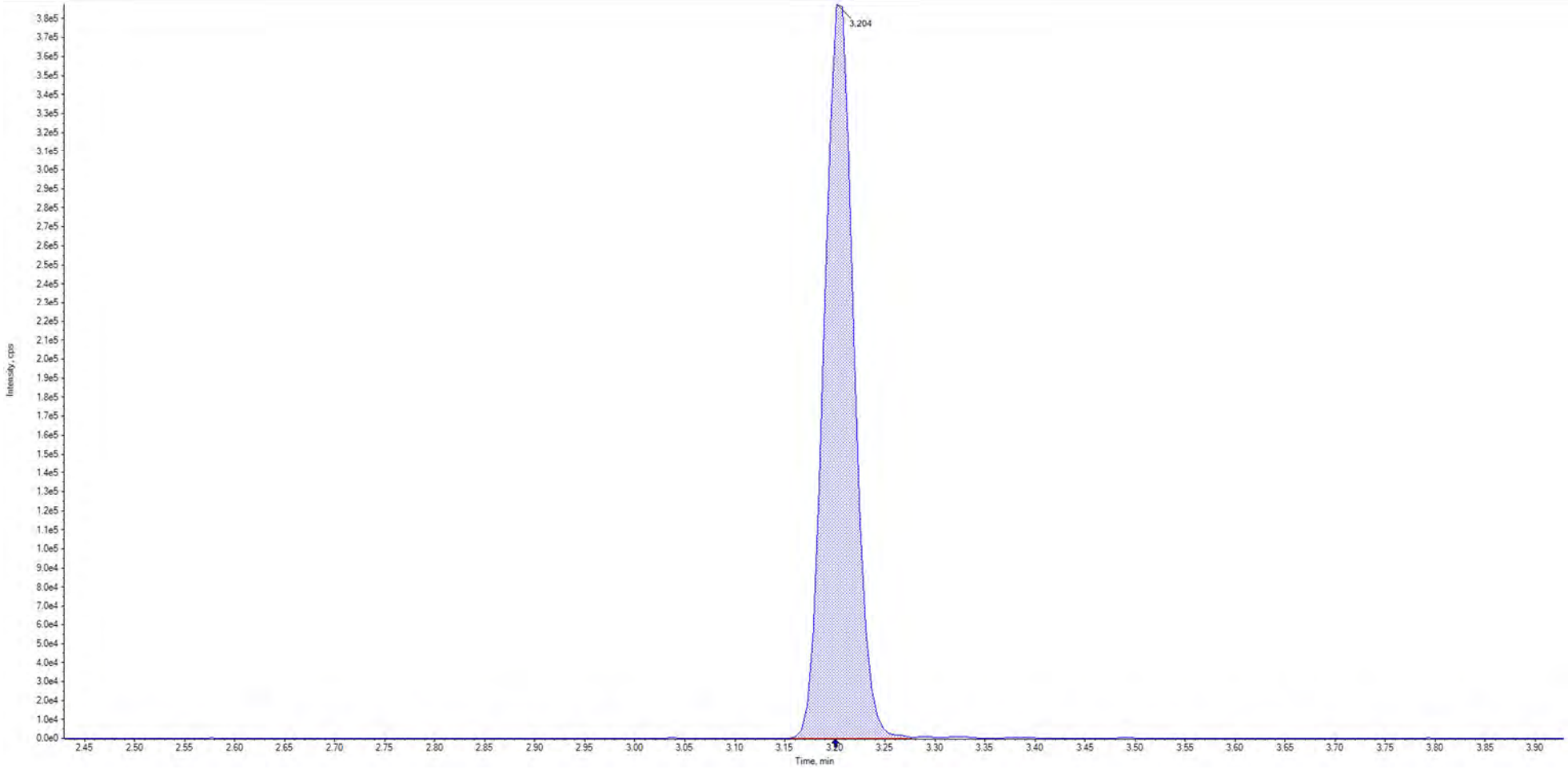
13C5-PFHxA
Sample: IA1633STD-5



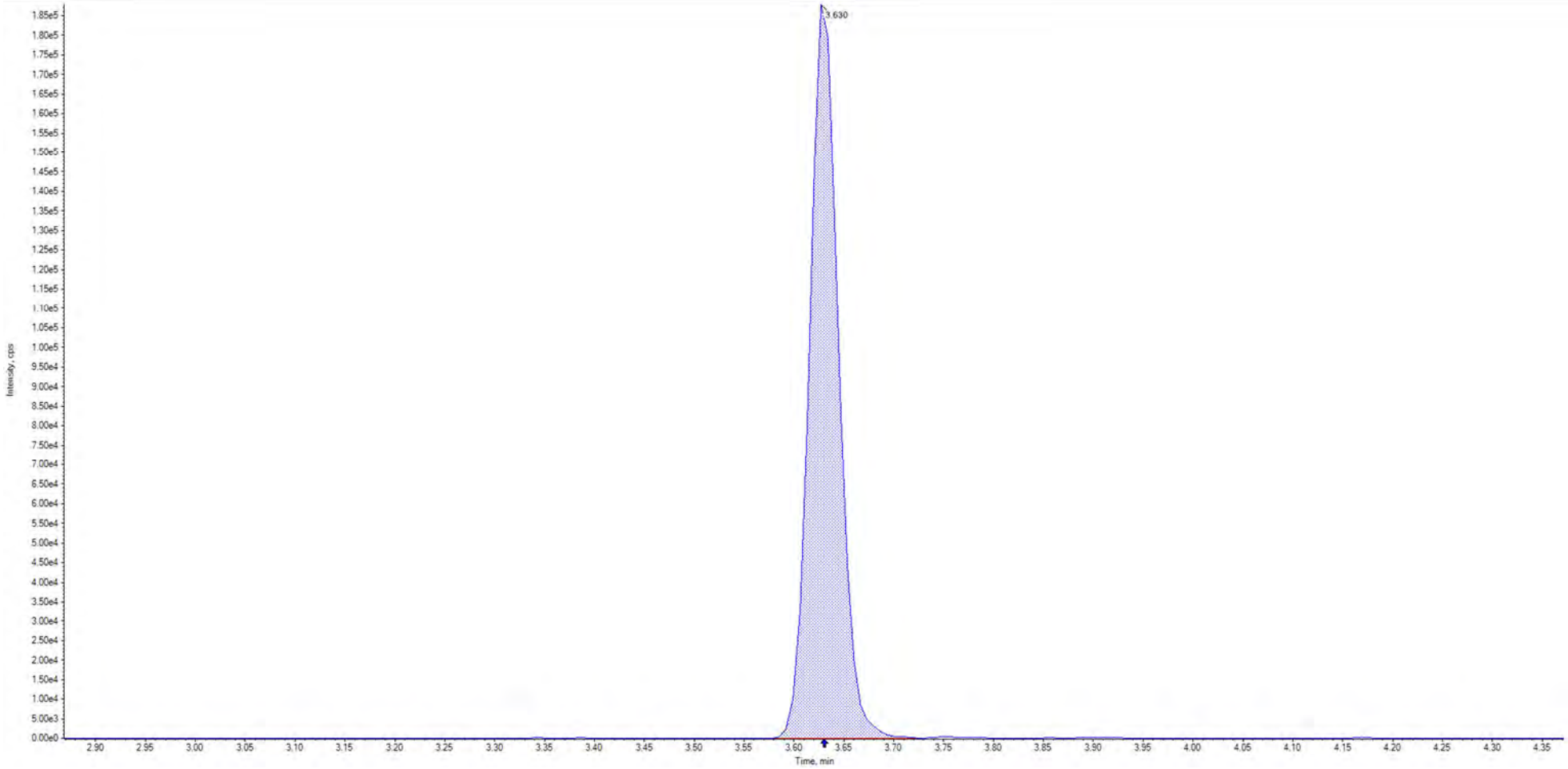
13C4-PFHpA
Sample: IA1633STD-5



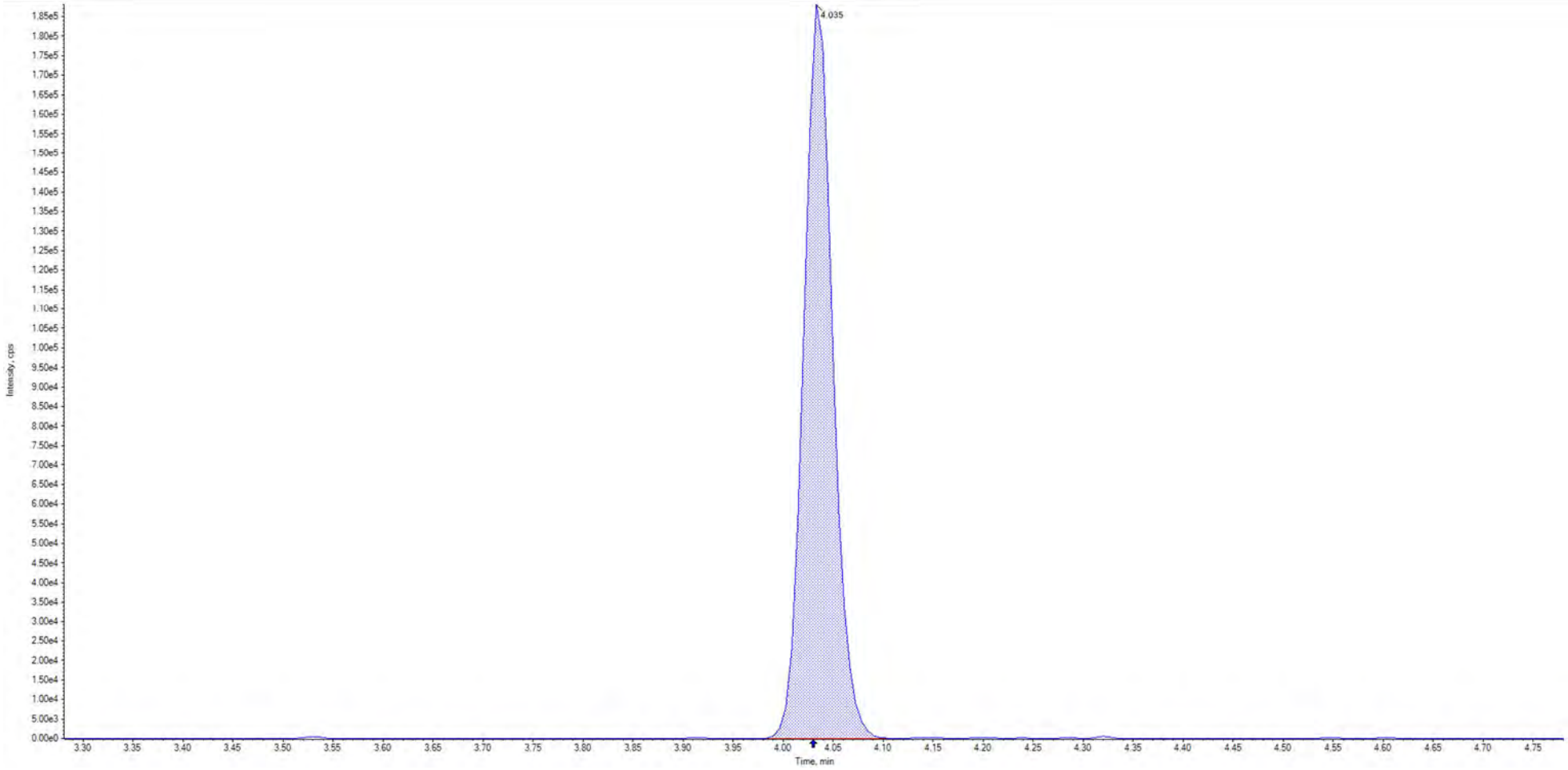
13C8-PFOA
Sample: IA1633STD-5



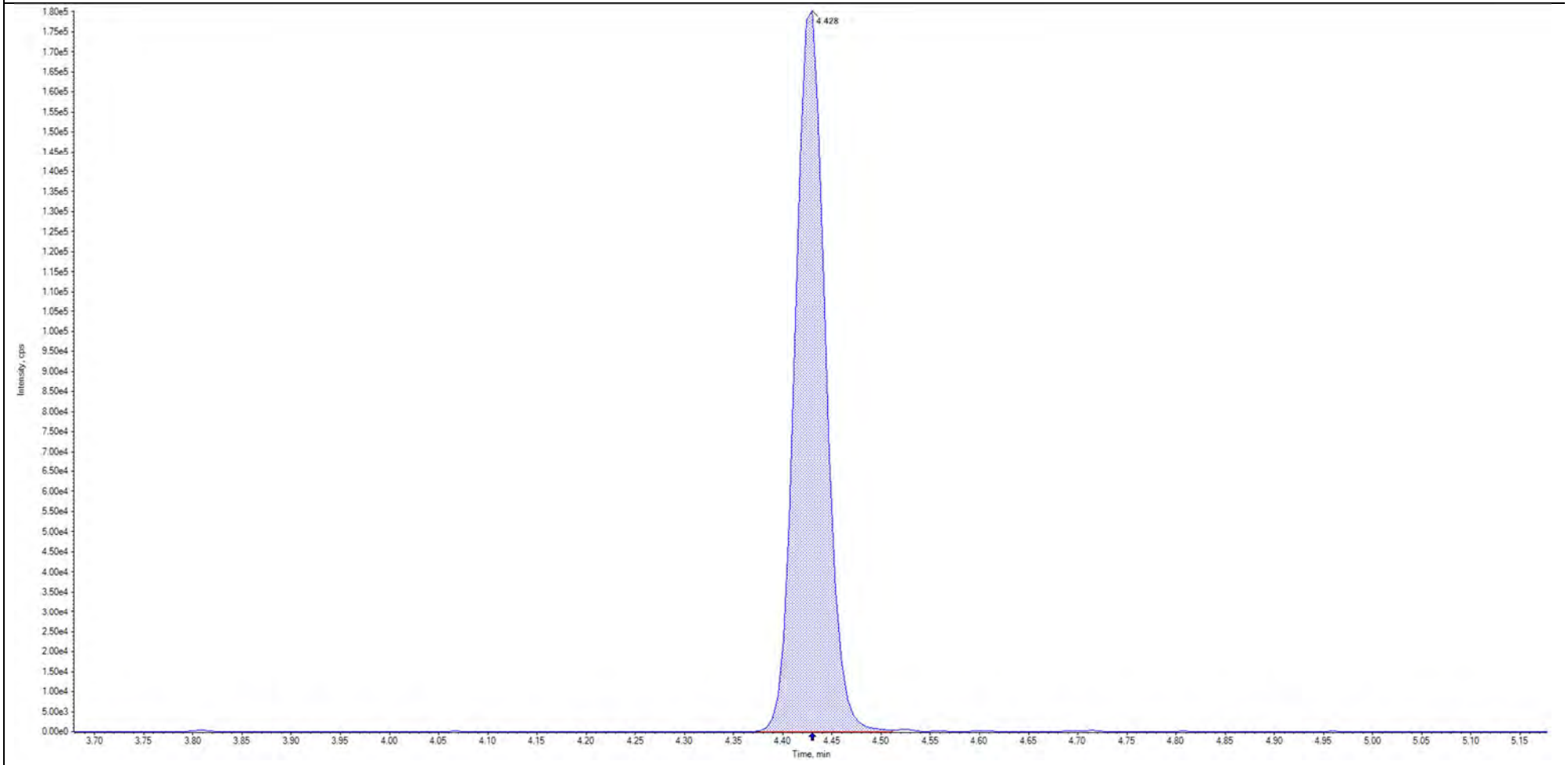
13C9-PFNA
Sample: IA1633STD-5



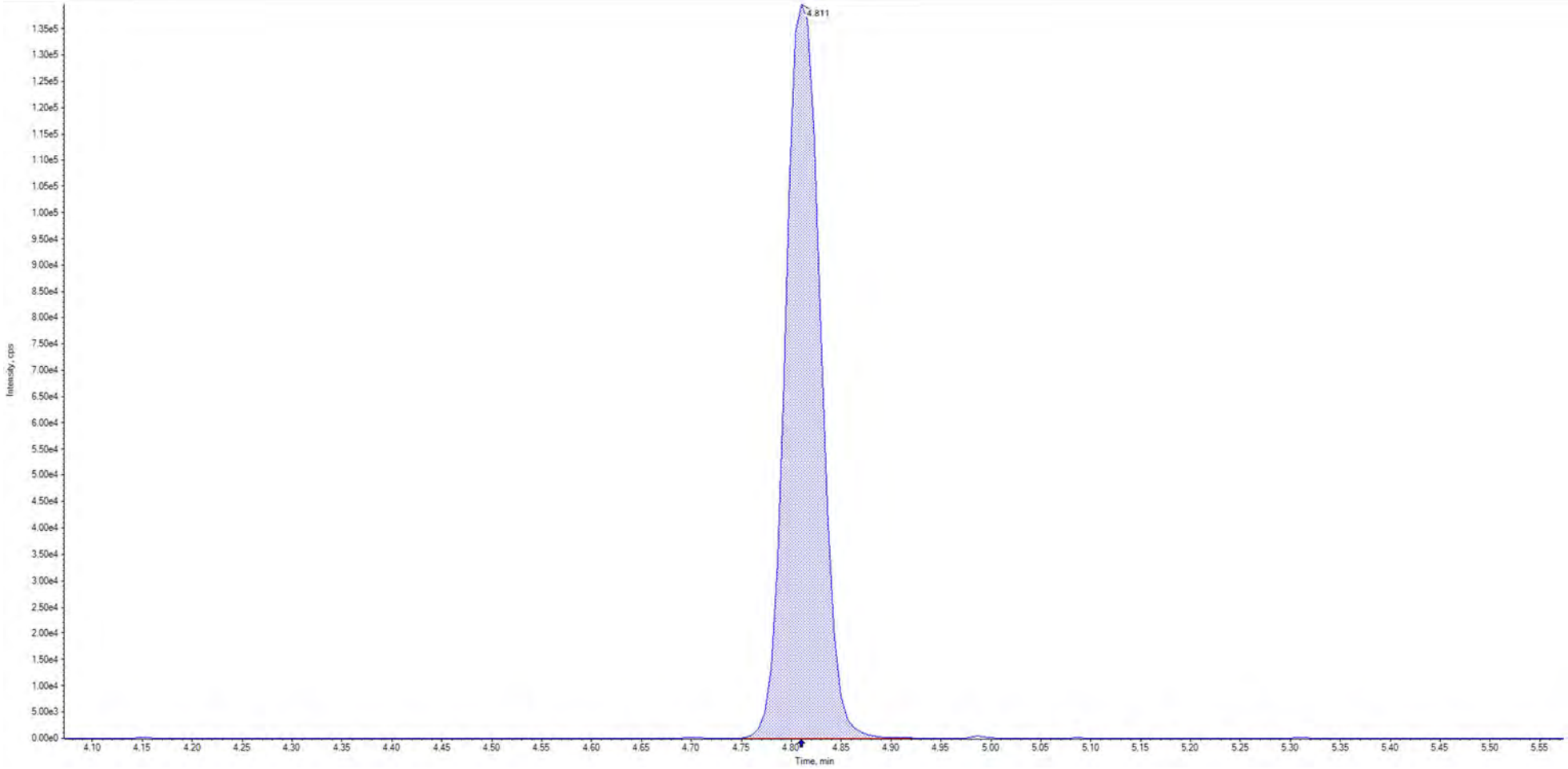
13C6-PFDA
Sample: IA1633STD-5



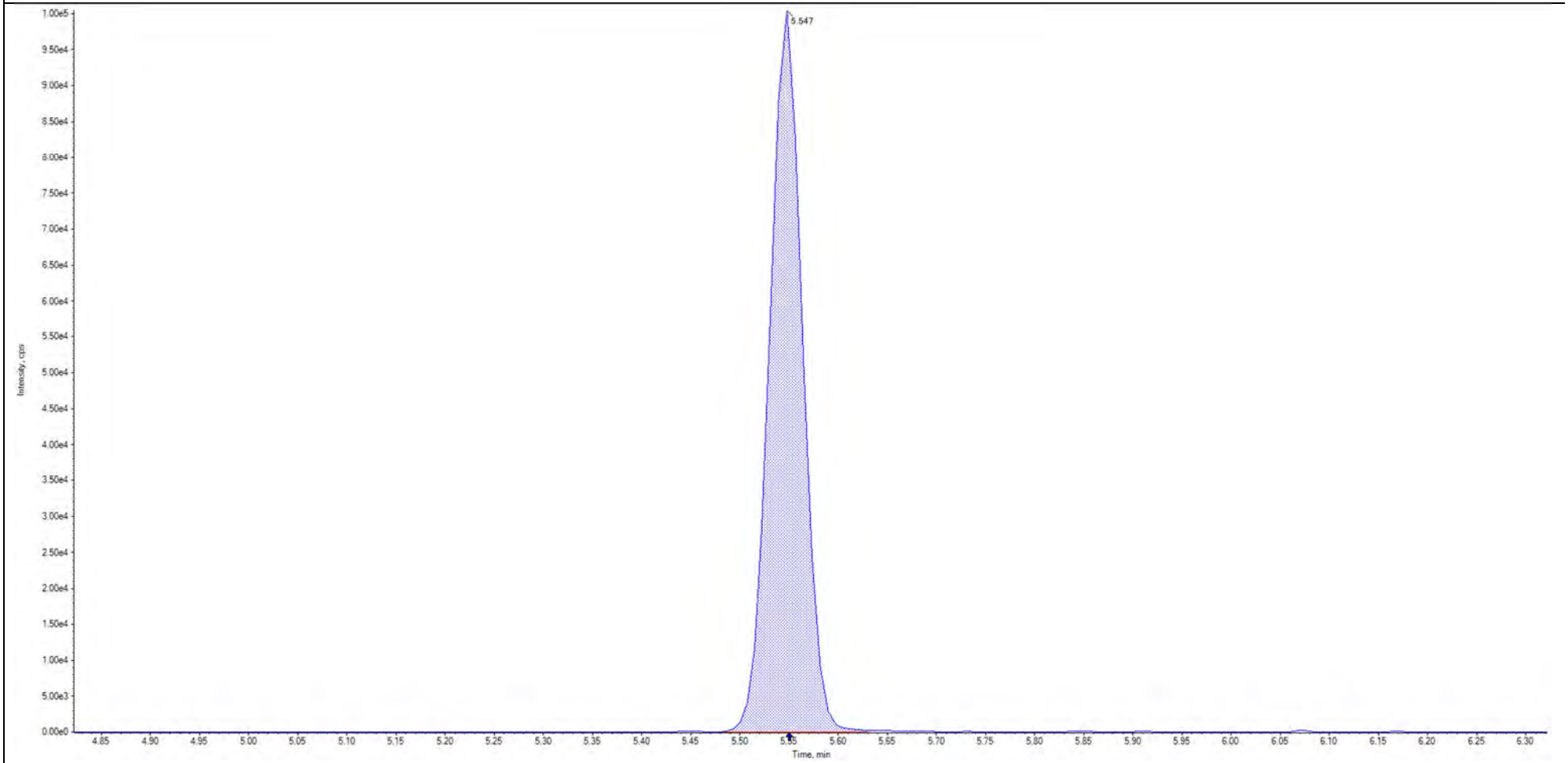
13C7-PFUnA
Sample: IA1633STD-5



13C2-PFDoA
Sample: IA1633STD-5



13C2-PFTeDA
Sample: IA1633STD-5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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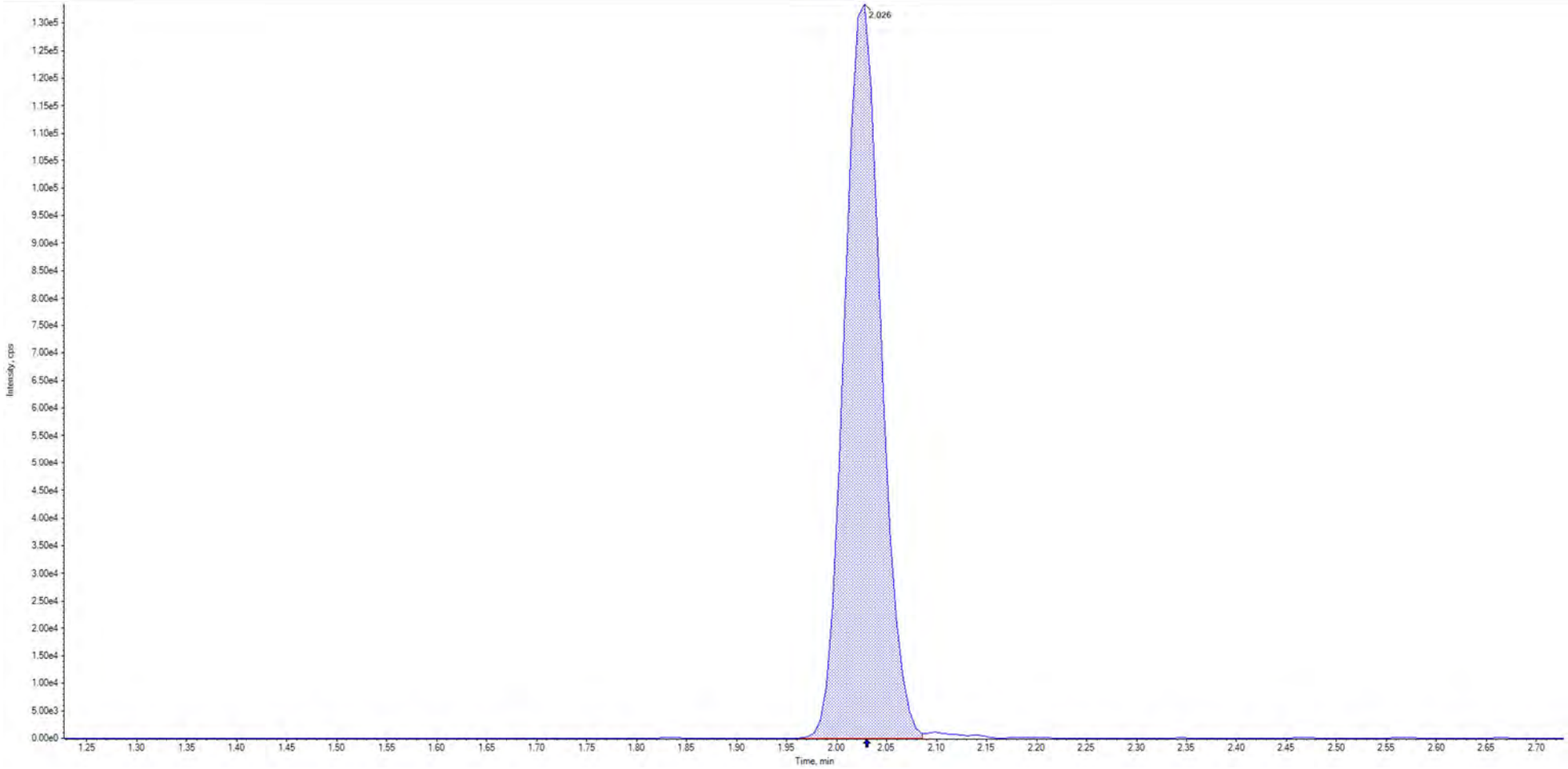
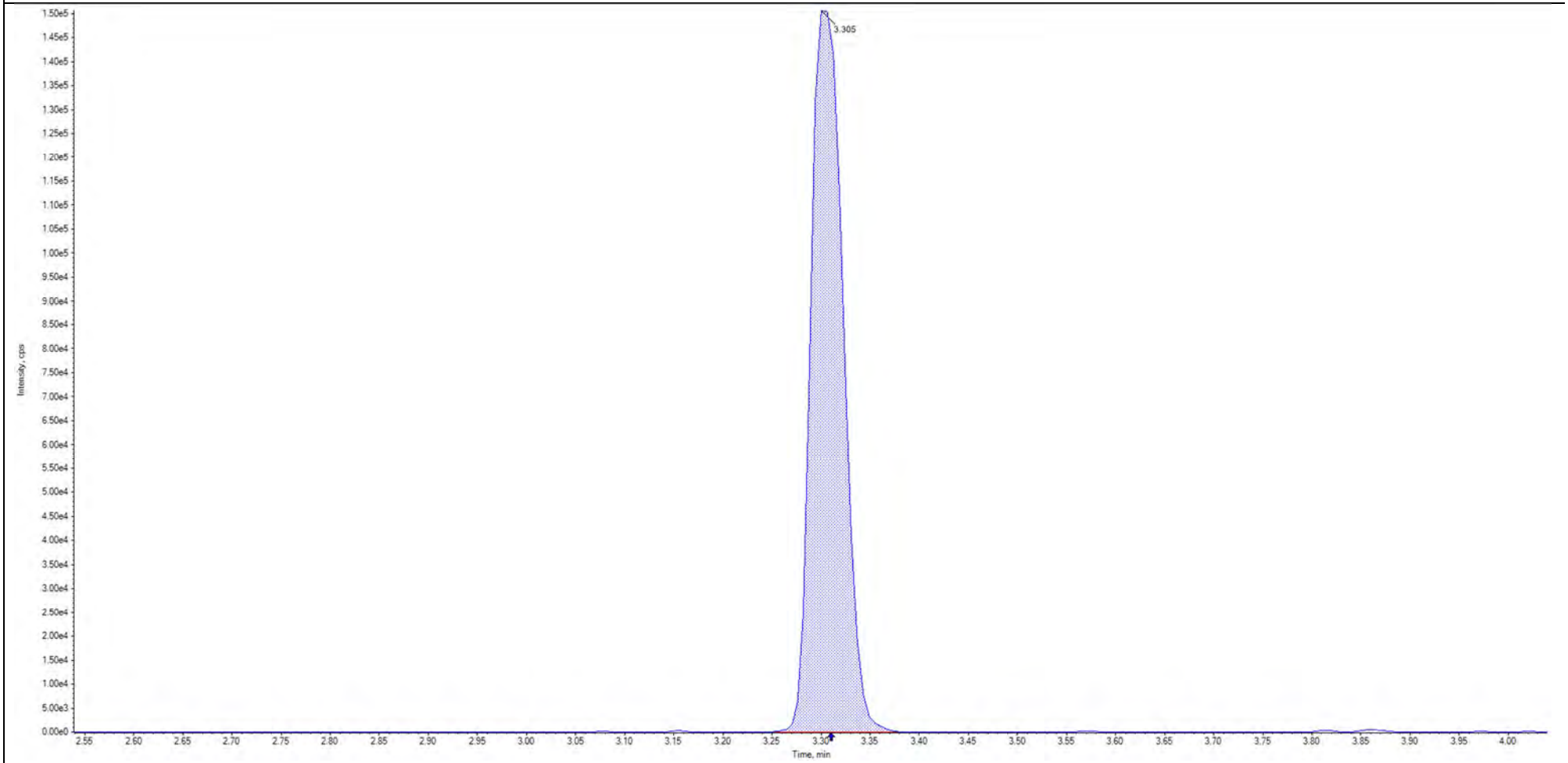
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

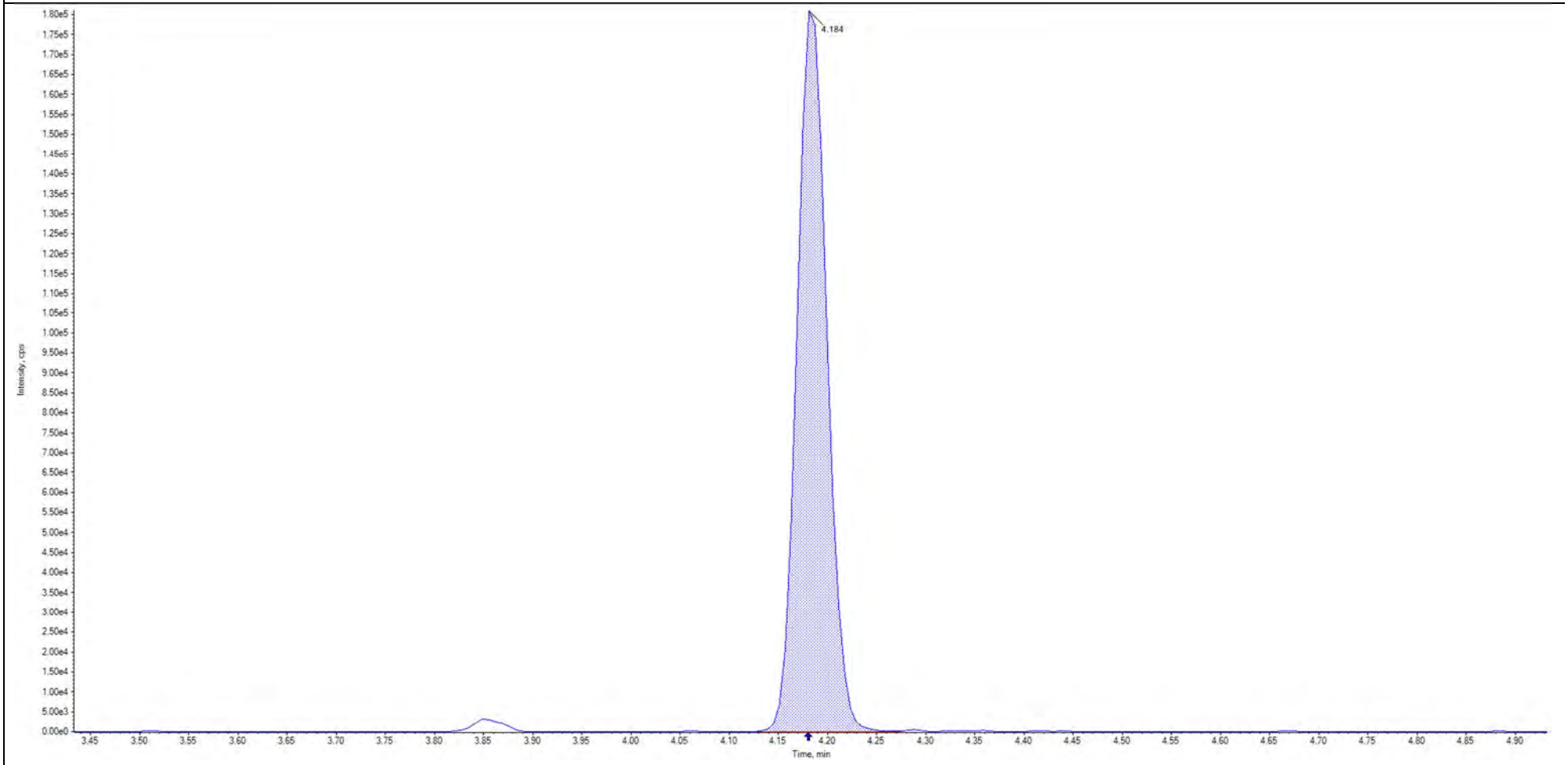
13C3-PFBS
Sample: IA1633STD-5



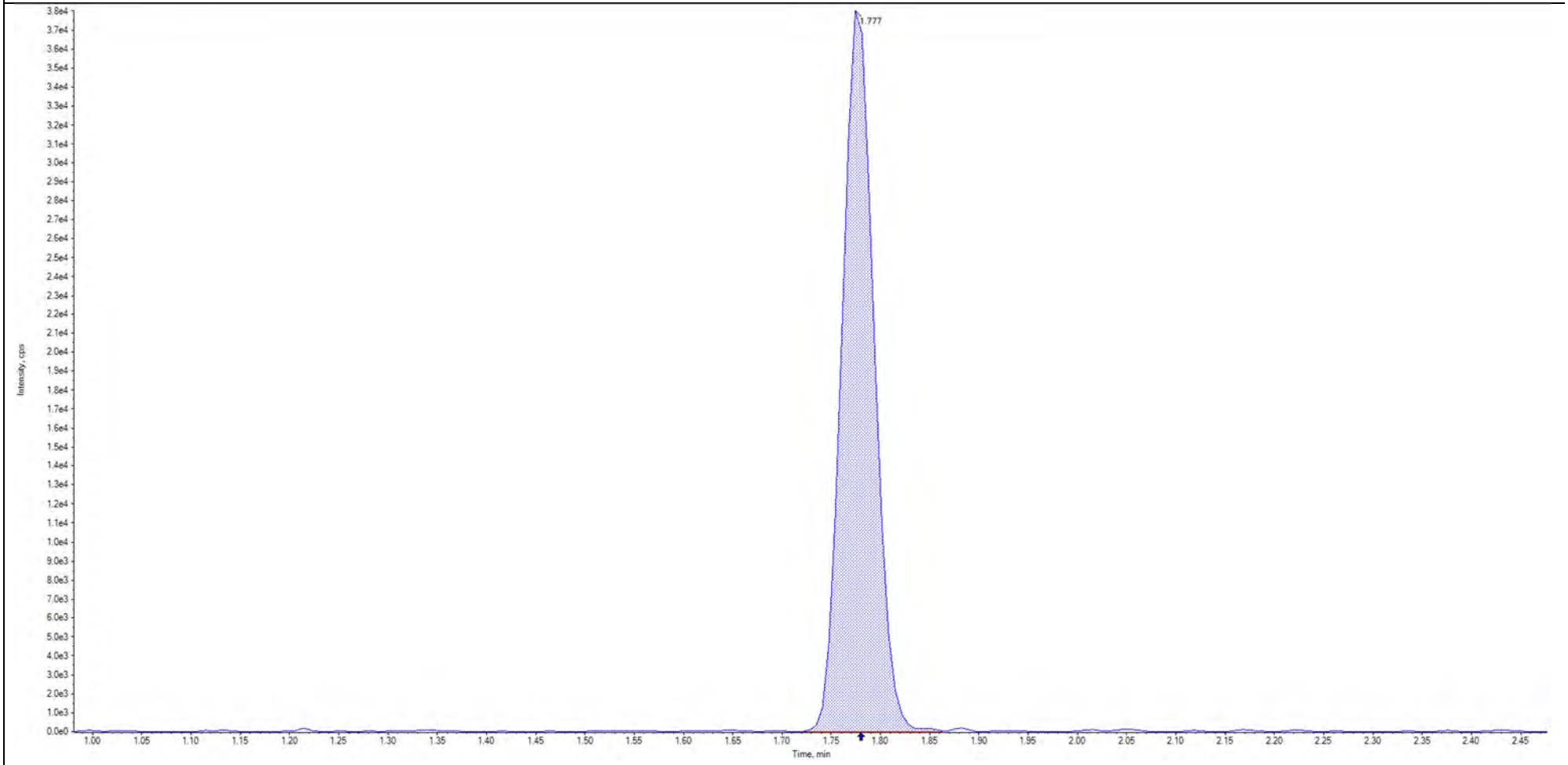
13C3-PFHxS
Sample: IA1633STD-5



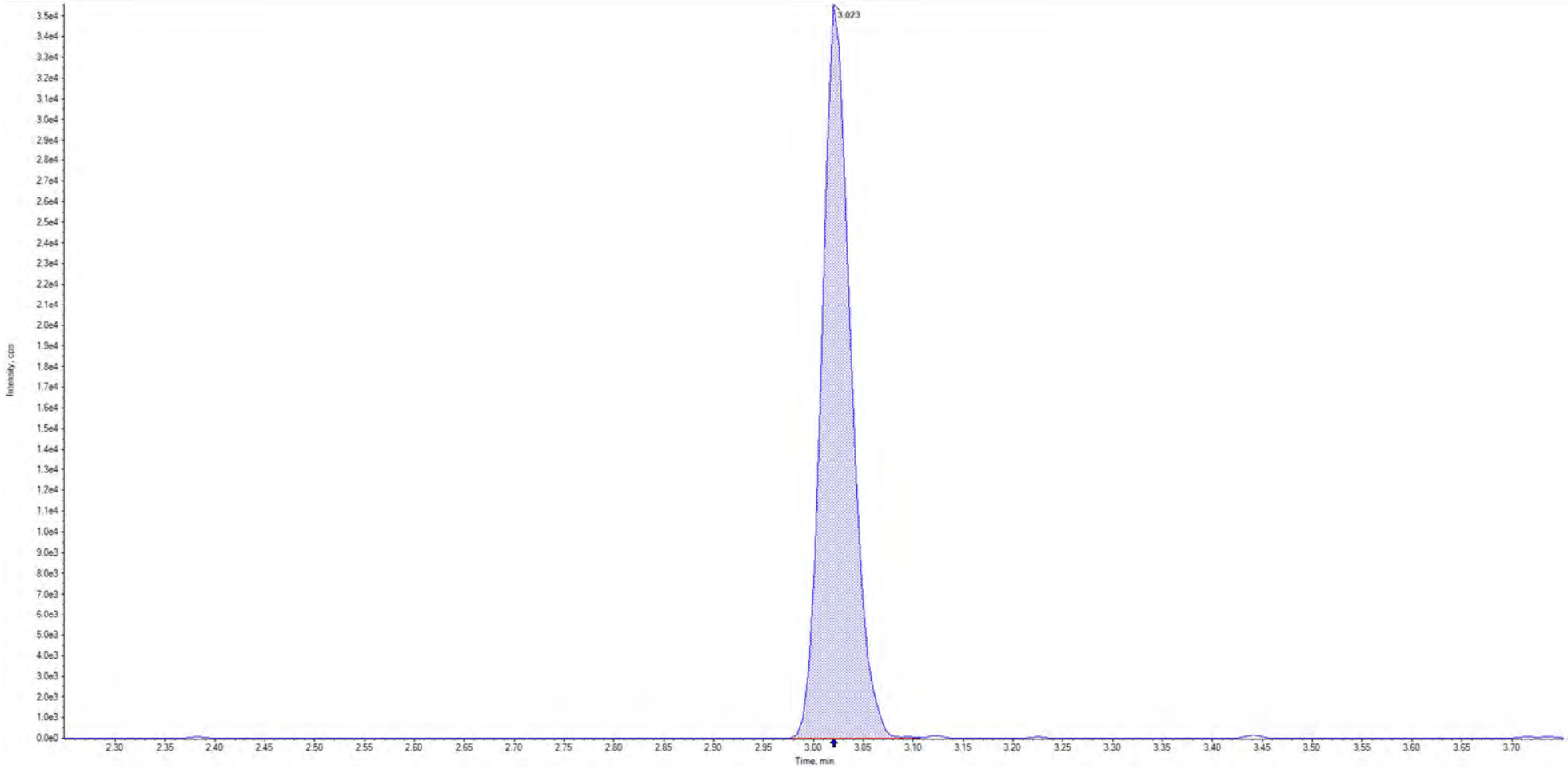
13C8-PFOS
Sample: IA1633STD-5



13C2-4:2FTS
Sample: IA1633STD-5



13C2-6:2FTS
Sample: IA1633STD-5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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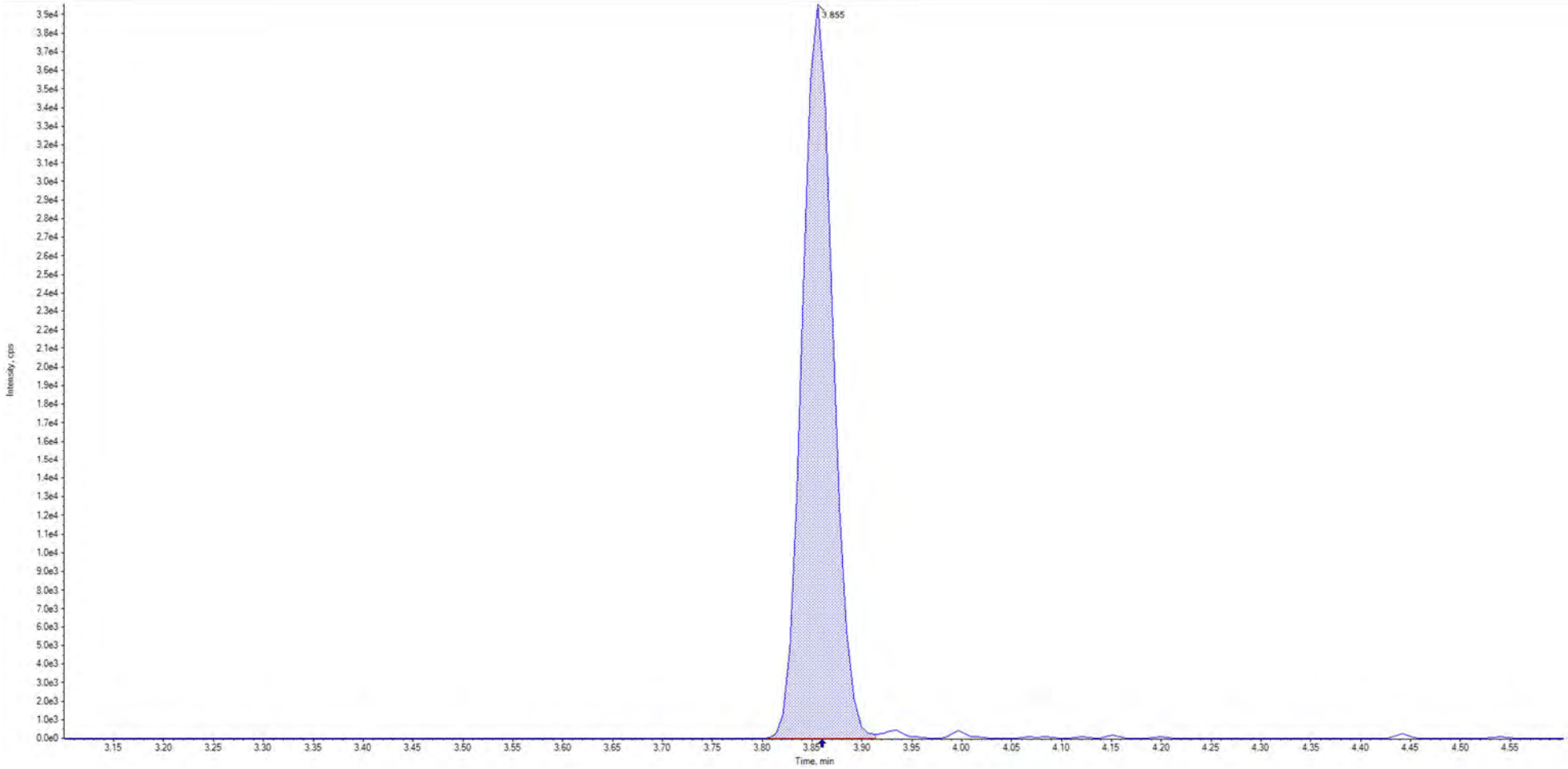
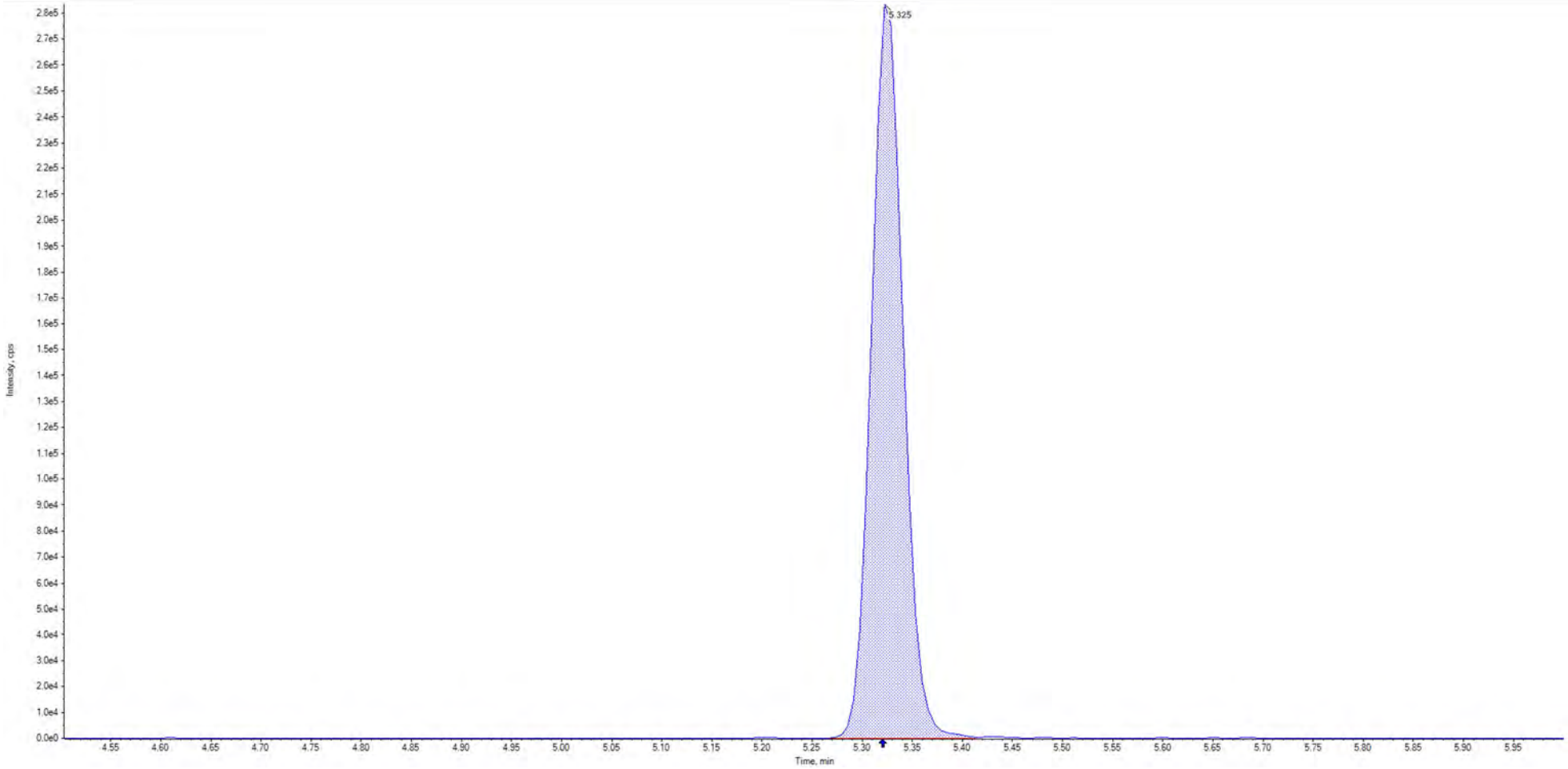
Last Altered: 3/1/2025 8:41:50 AM
Generated: 2/28/2025 12:43:00 PM

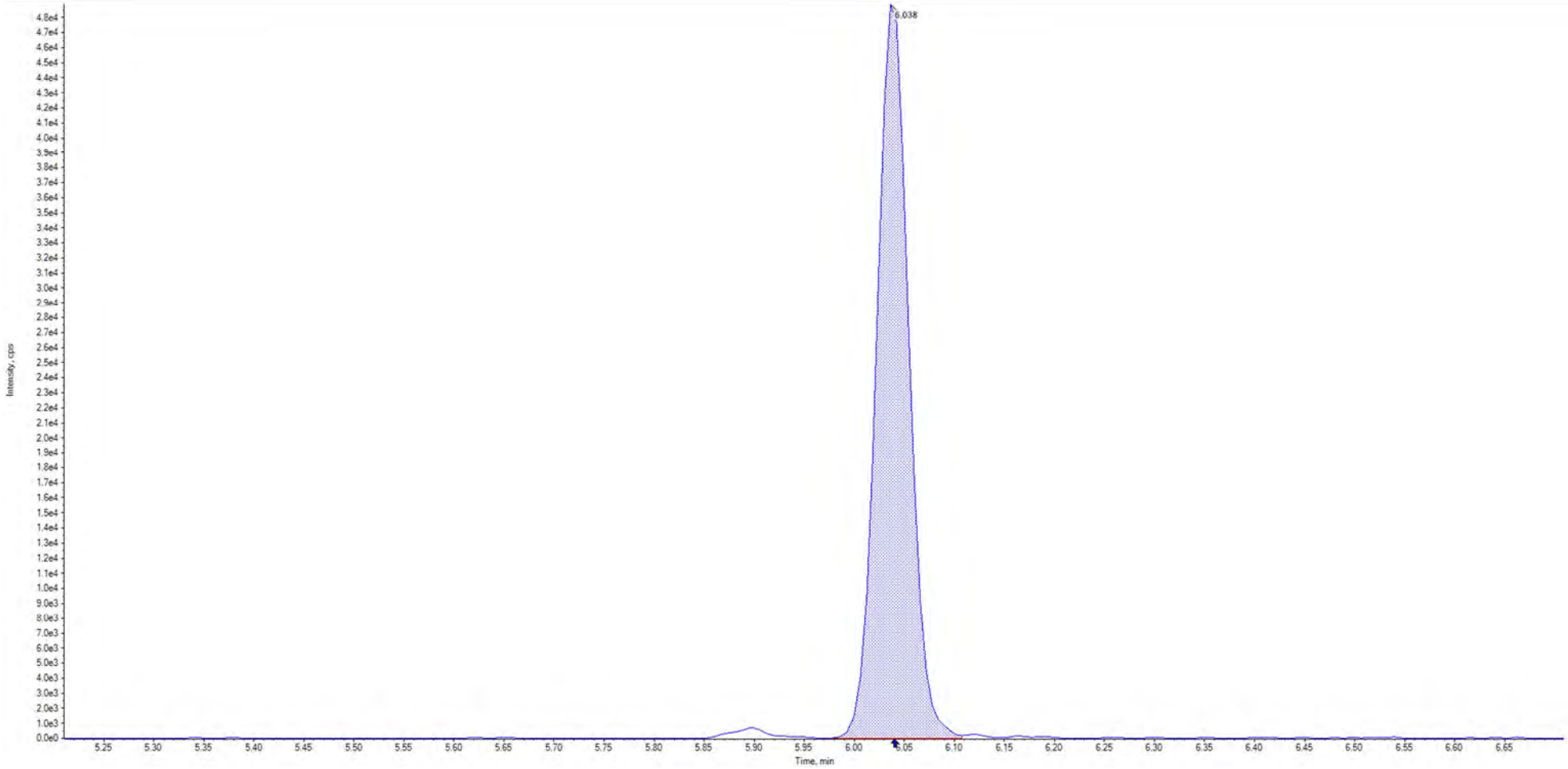
13C2-8:2FTS
Sample: IA1633STD-5



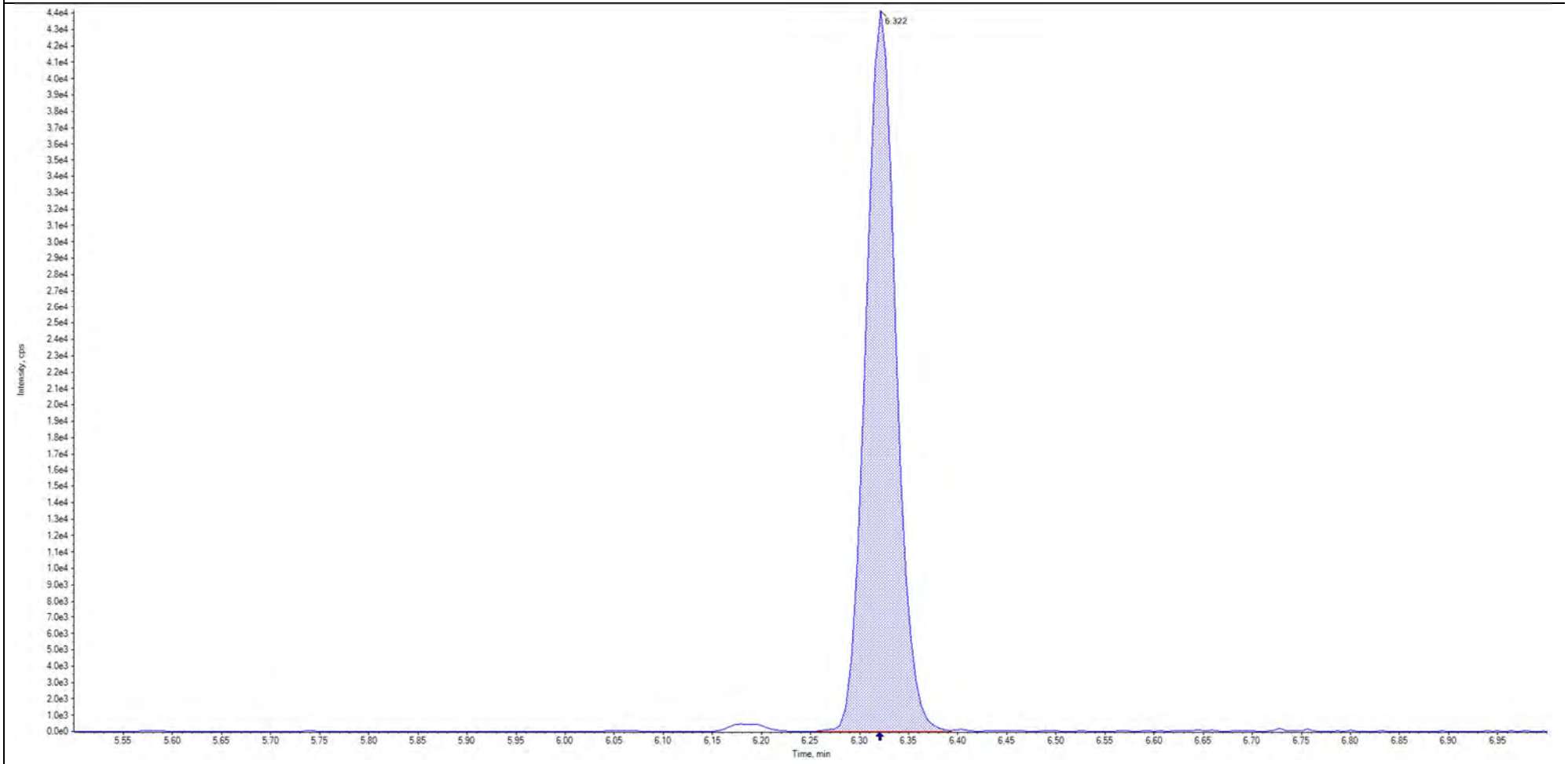
13C8-PFOSA
Sample: IA1633STD-5



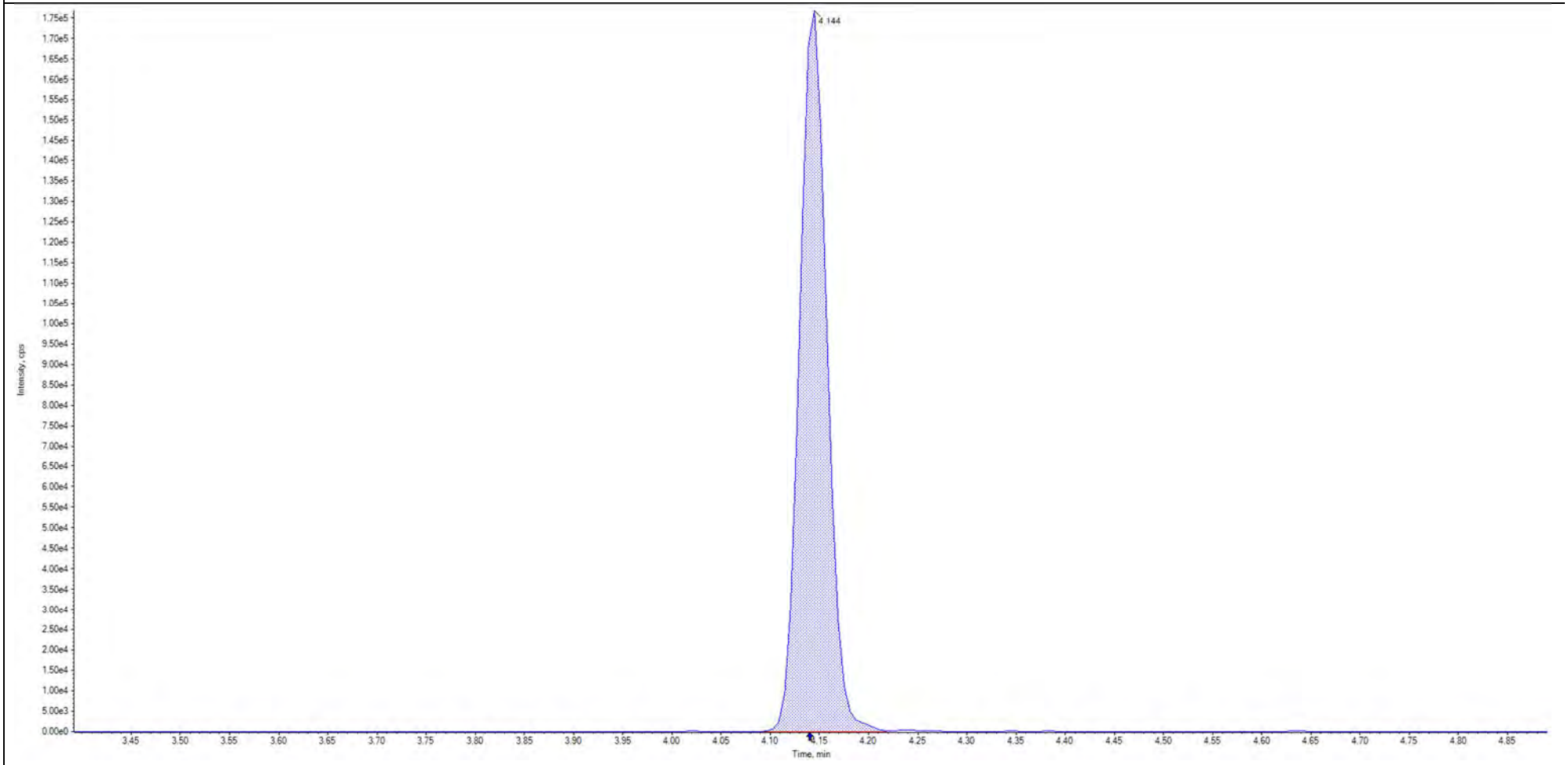
d3-NMeFOSA
Sample: IA1633STD-5



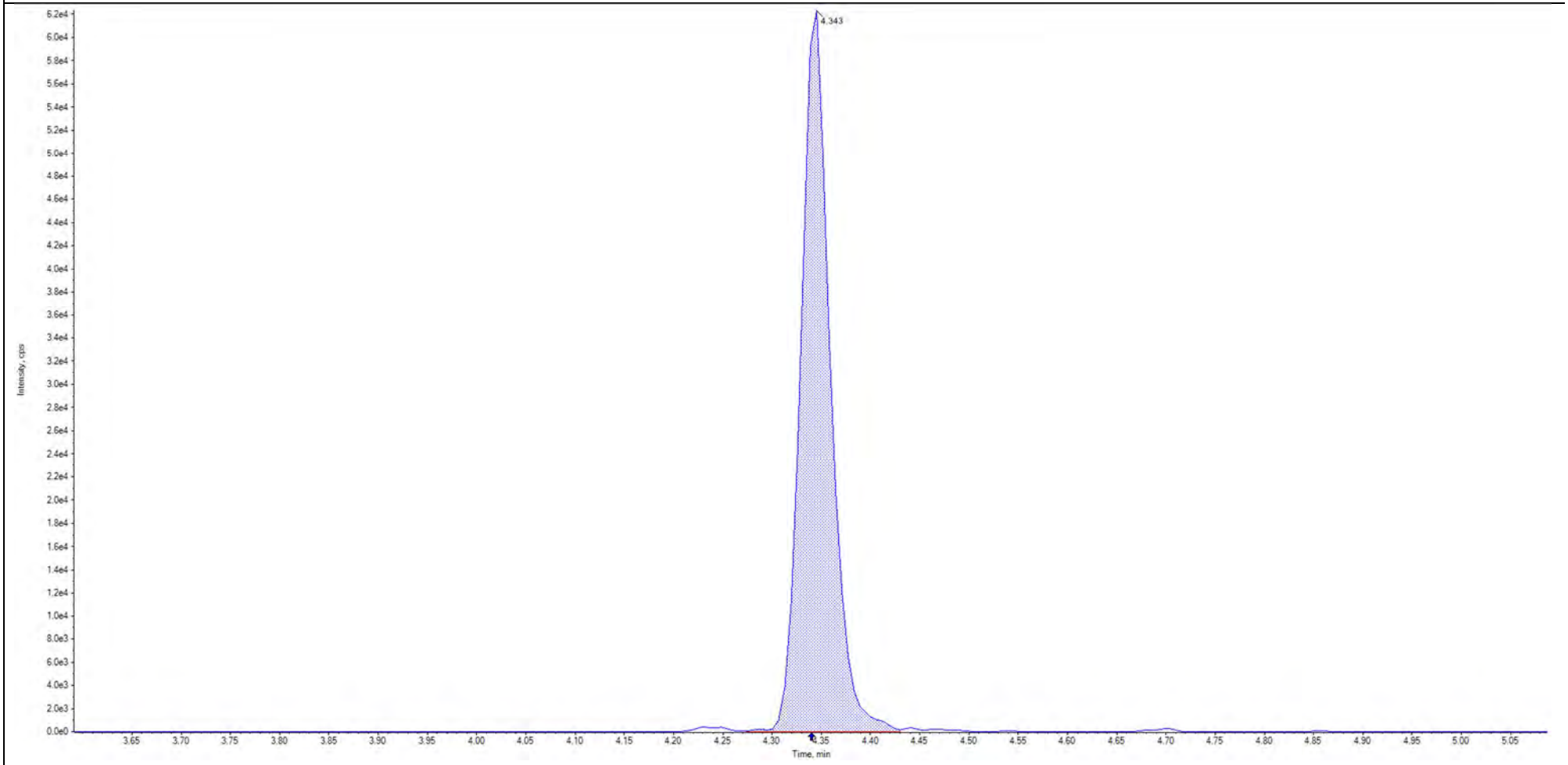
d5-NEtFOSA
Sample: IA1633STD-5



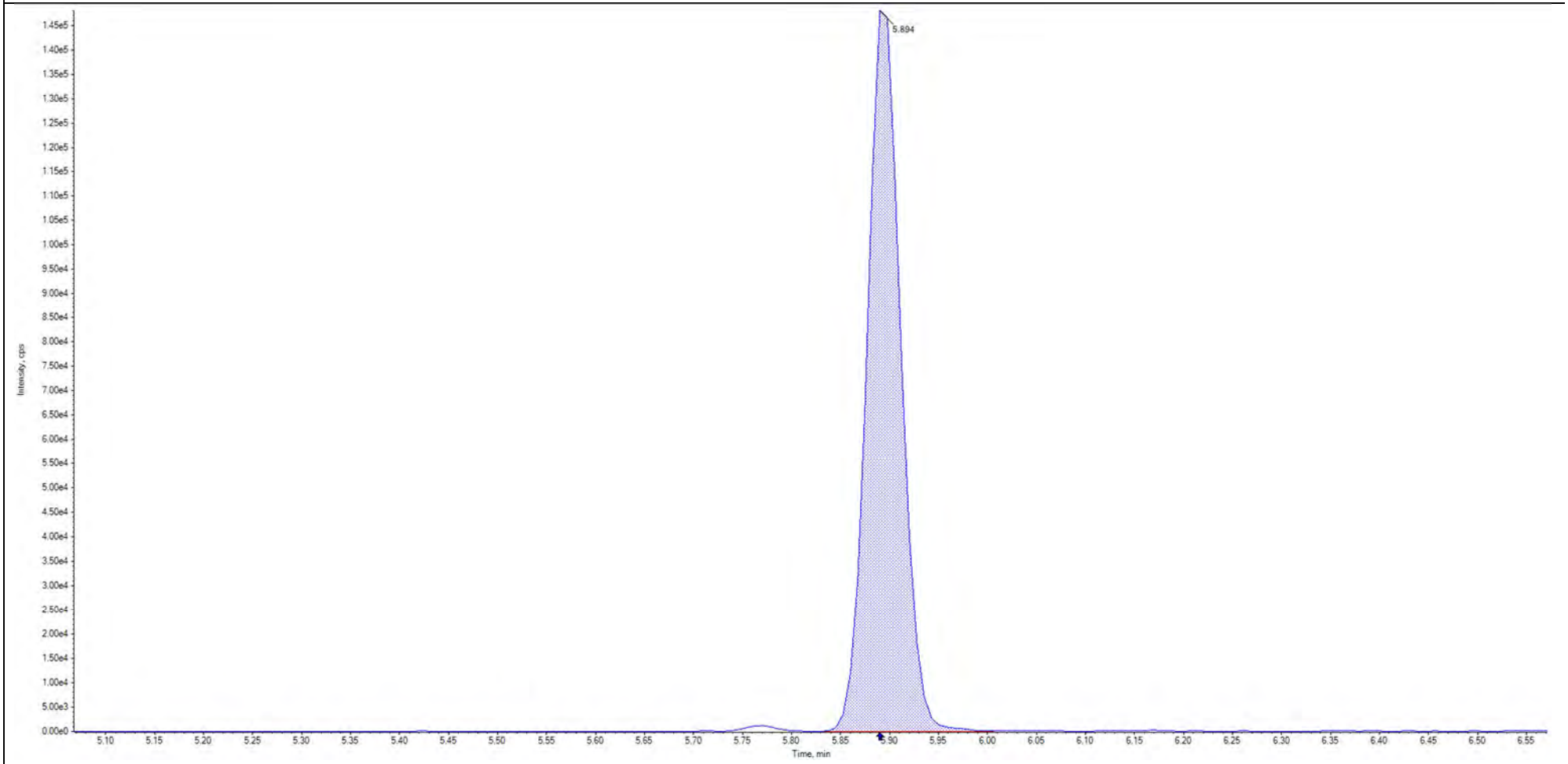
d3-NMeFOSAA
Sample: IA1633STD-5



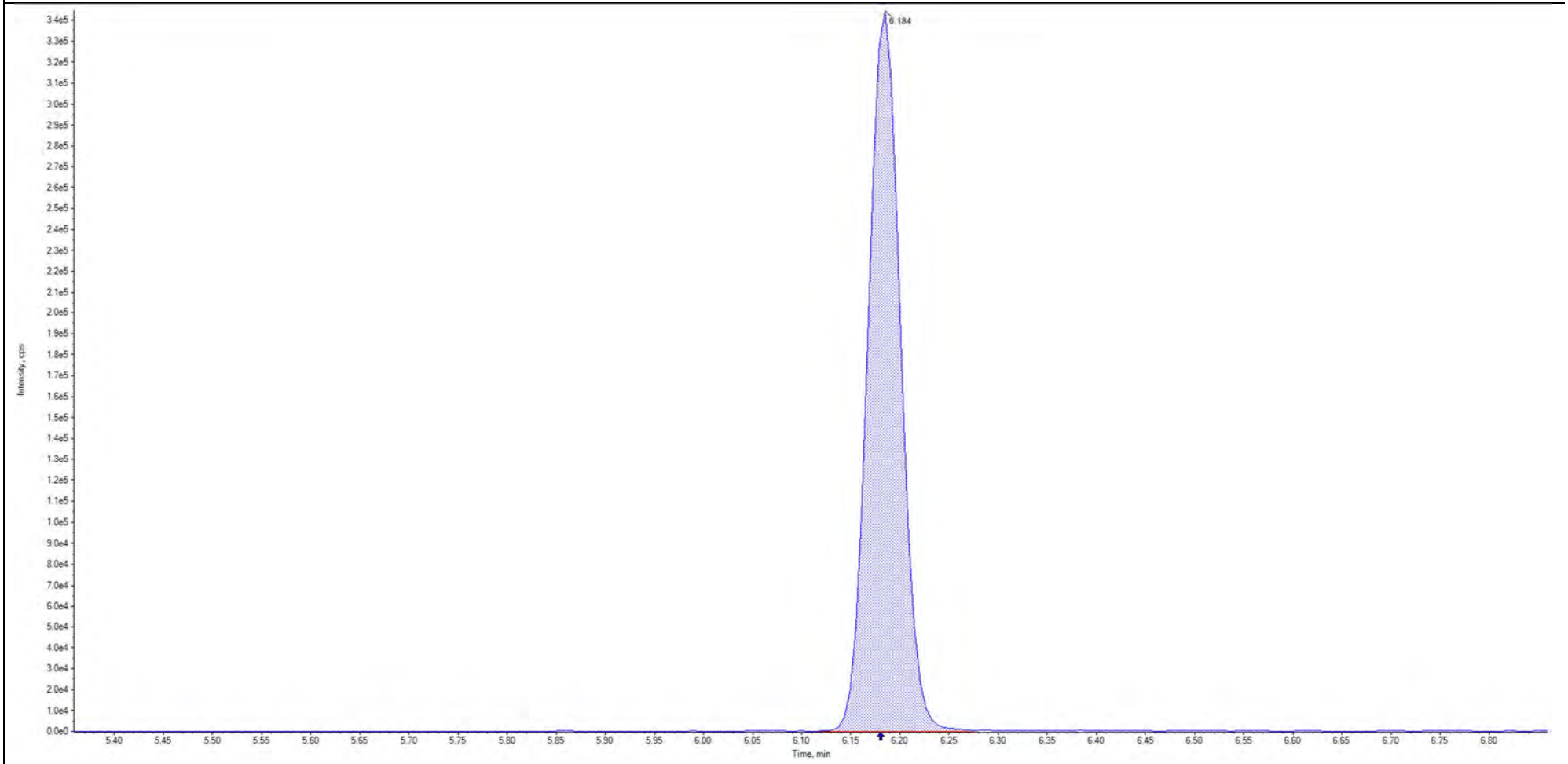
d5-NEtFOSAA
Sample: IA1633STD-5



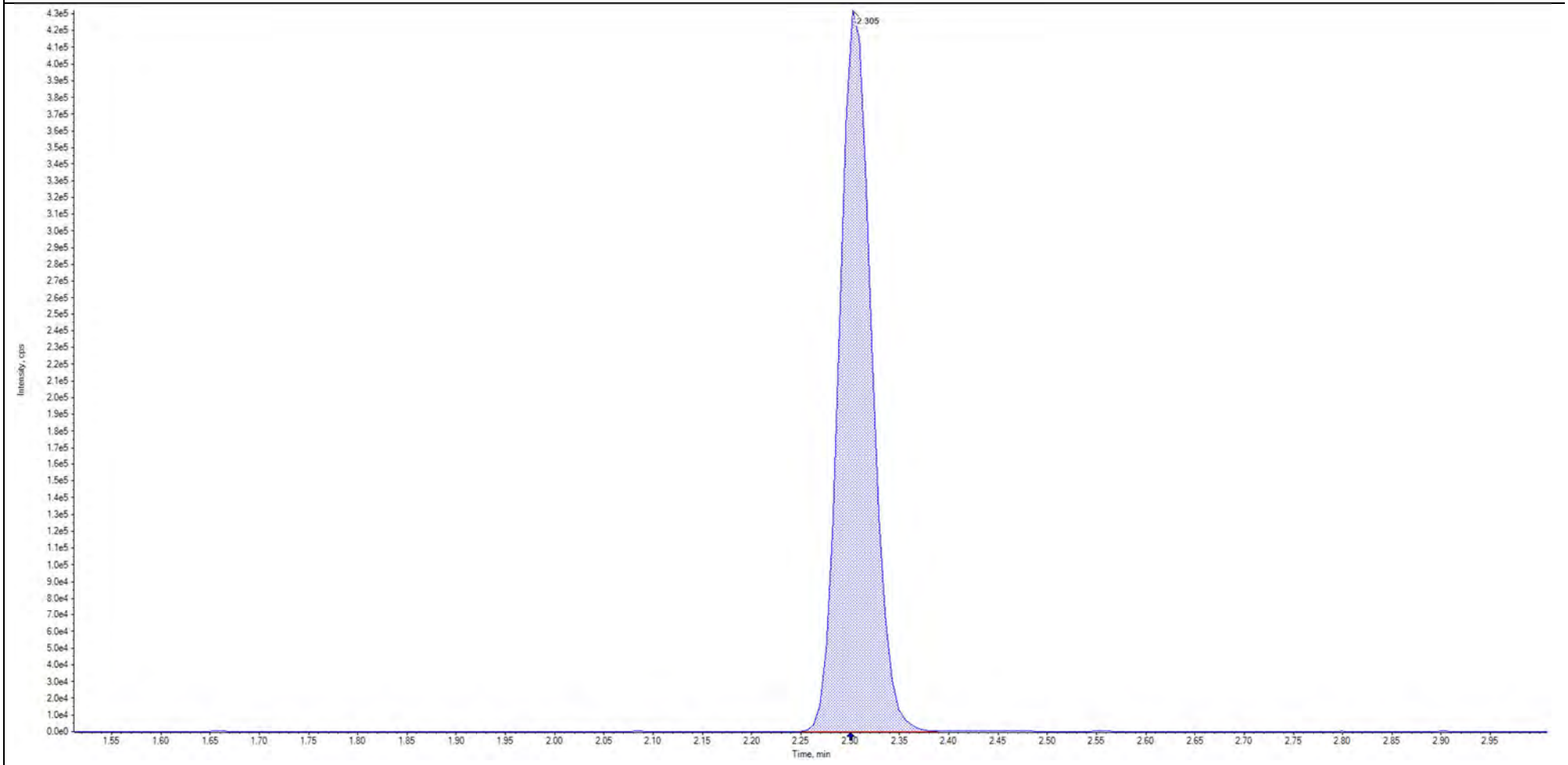
d7-NMeFOSE
Sample: IA1633STD-5



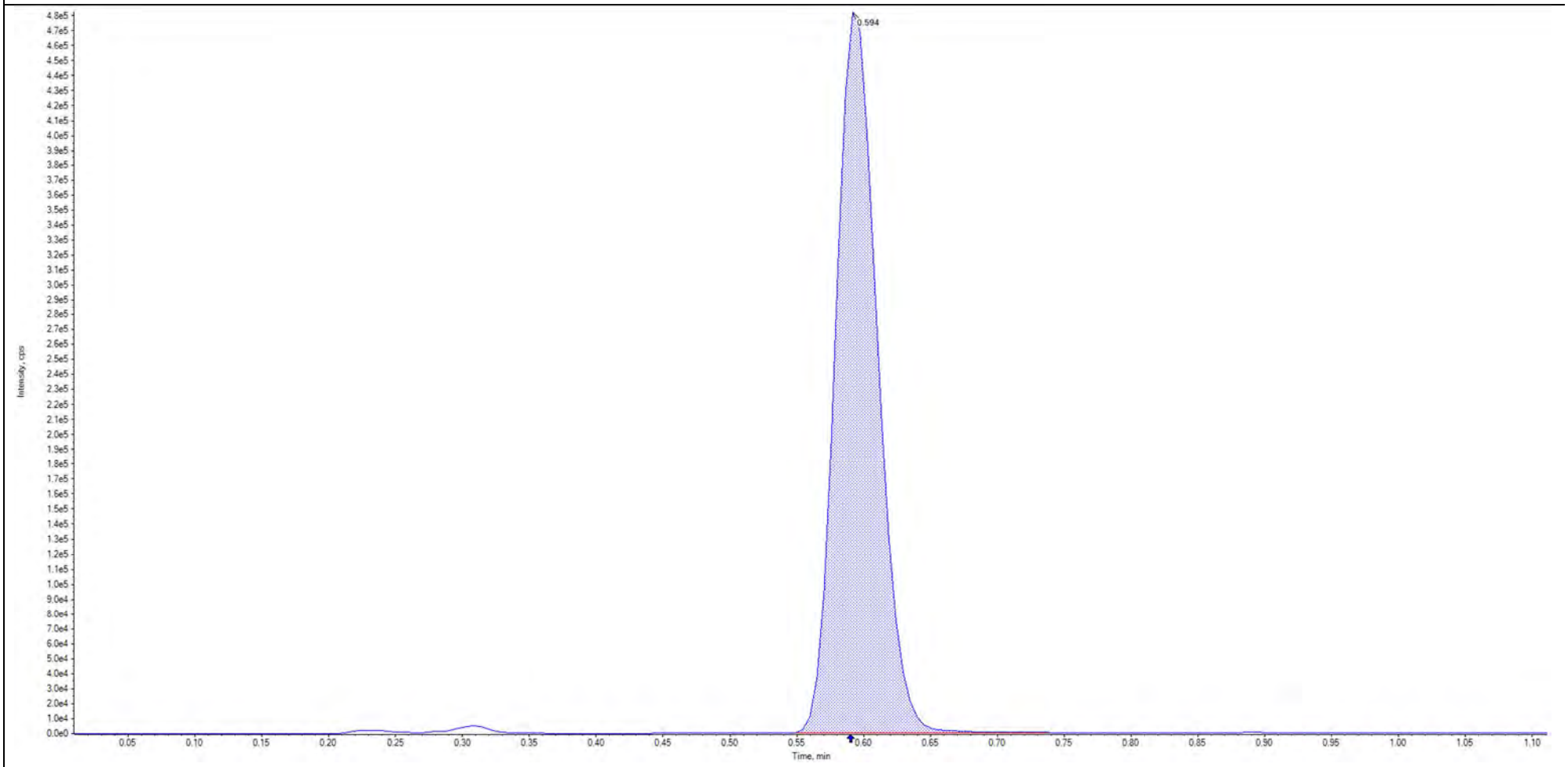
d9-NEtFOSE
Sample: IA1633STD-5



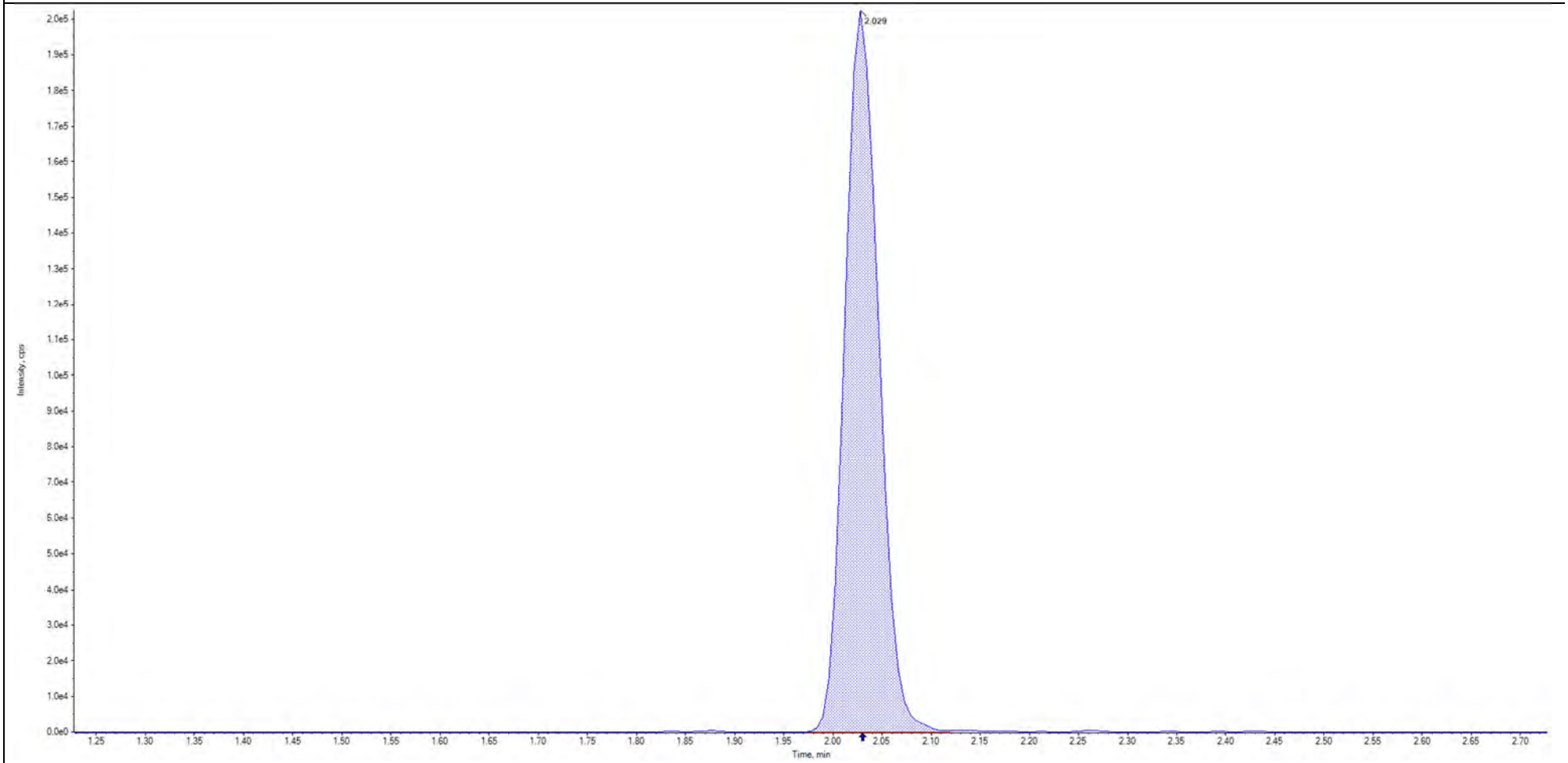
13C3-HFPO-DA
Sample: IA1633STD-5



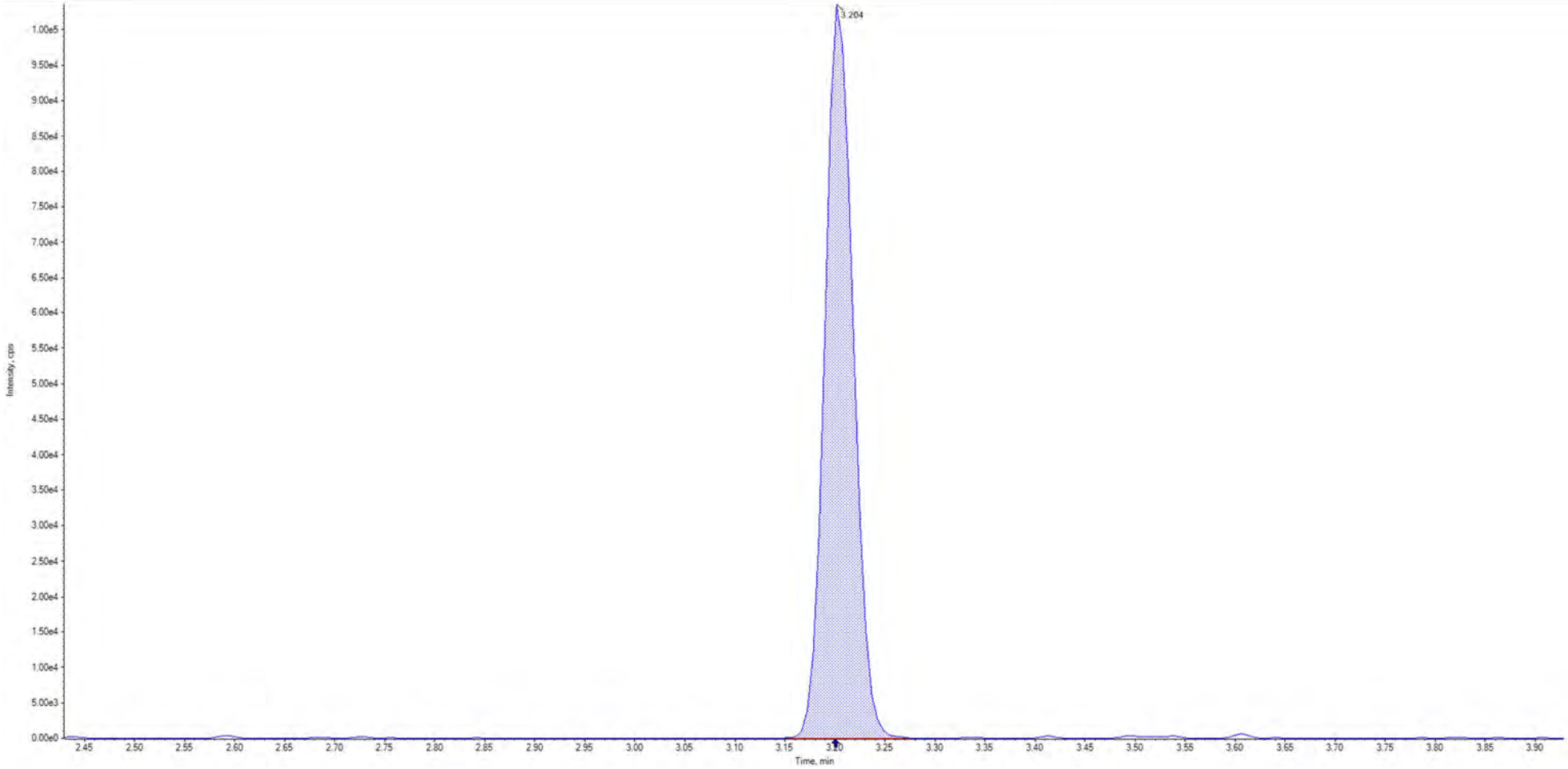
13C3-PFBA
Sample: IA1633STD-5



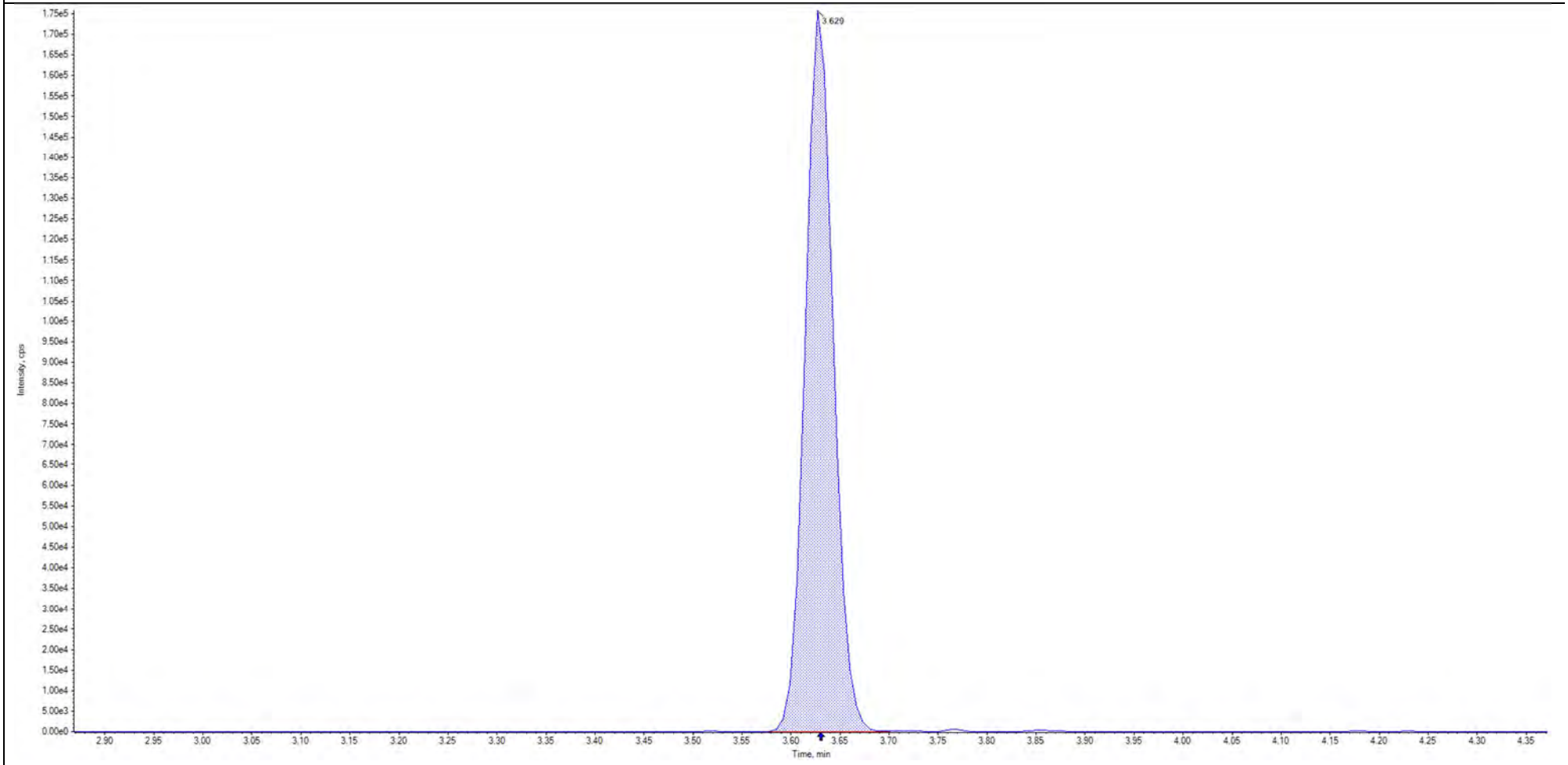
13C2-PFHxA
Sample: IA1633STD-5



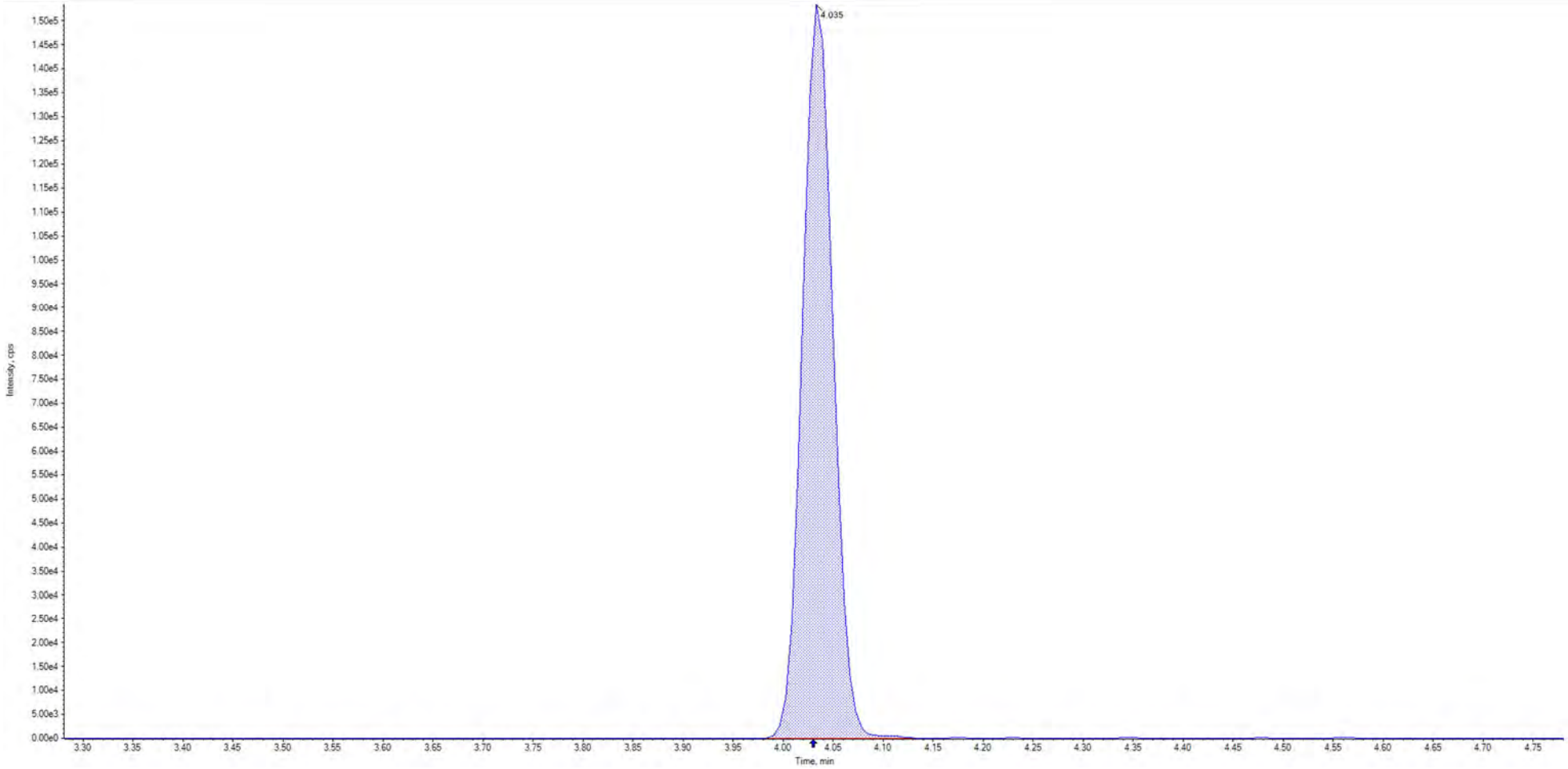
13C4-PFOA
Sample: IA1633STD-5



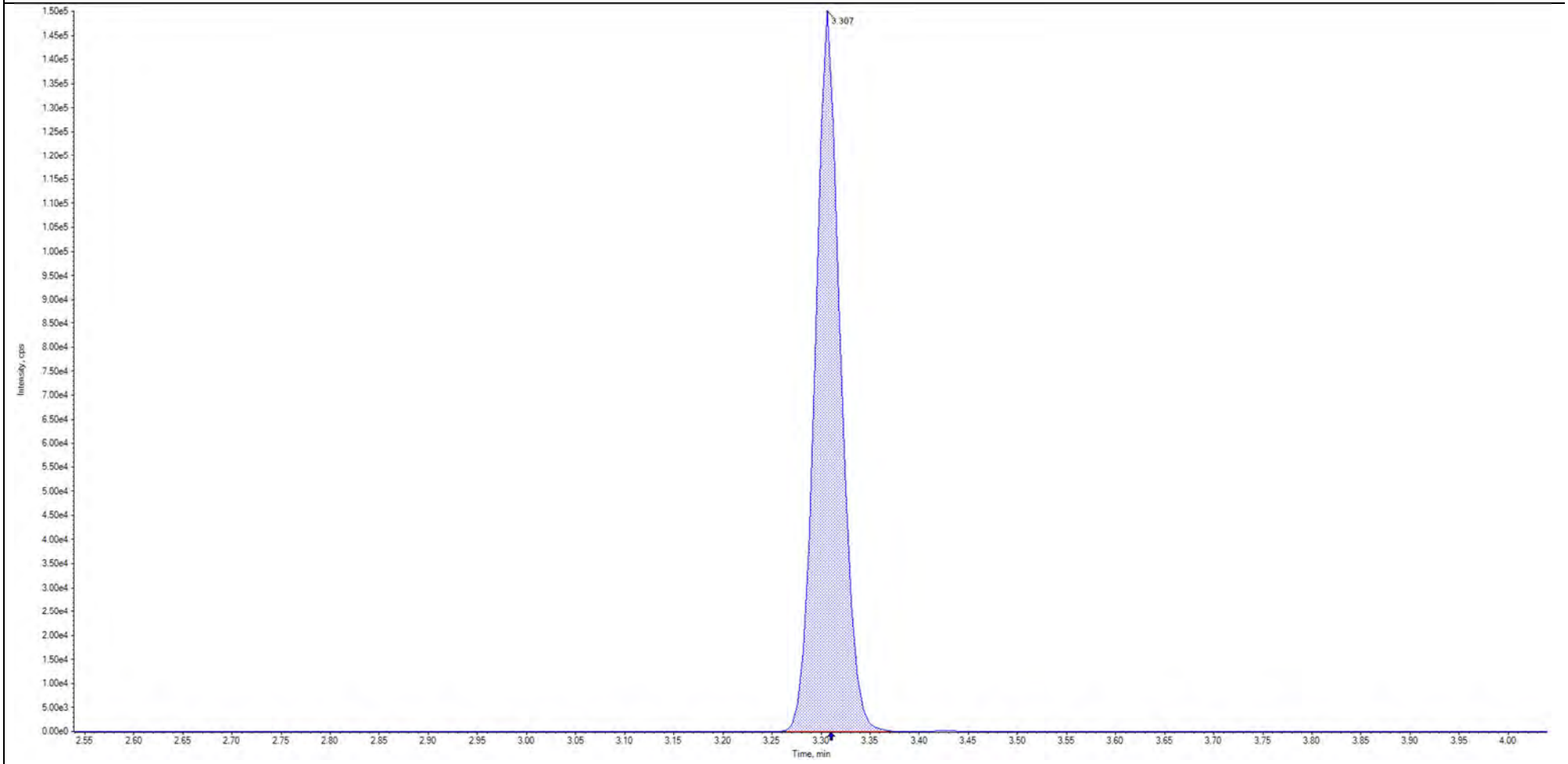
13C5-PFNA
Sample: IA1633STD-5



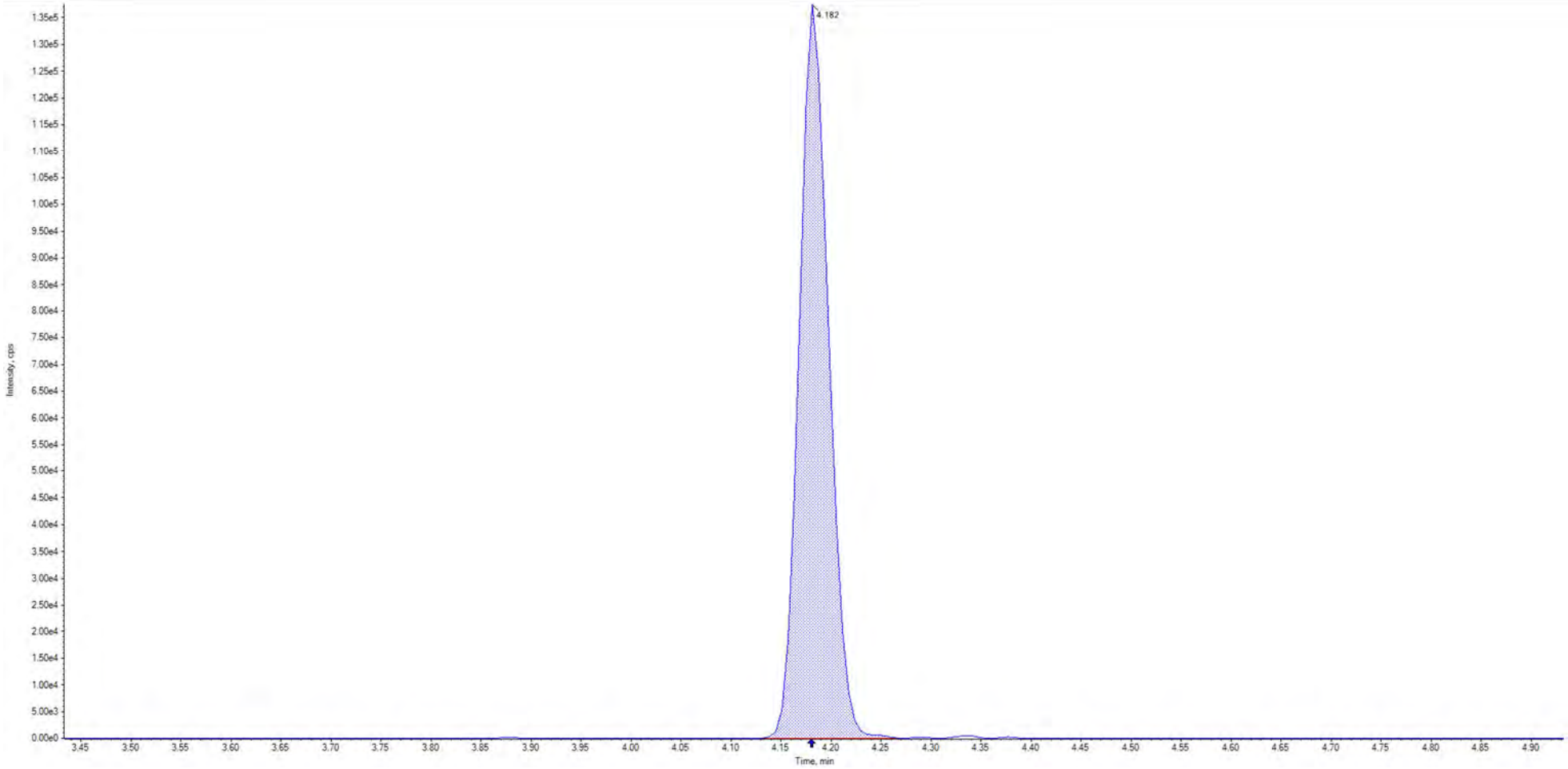
13C2-PFDA
Sample: IA1633STD-5



18O2-PFHxS
Sample: IA1633STD-5



13C4-PFOS
Sample: IA1633STD-5



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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_250227.qmethod
Calibration: 250228_EPA1633_ICAL

ID: IA1633STD-12.5
Name: SCI07_250228_30.wiff2
Date & Time: 2025-02-28T12:58:10
Description: WG2035470,,EPA1633F_250228_CAL_L6
Instrument: SCIEX Triple Quad 5500+
User: LCMS07: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	0.61	213.0 / 169.0	9413193		50.011	N/A	N/A	N/A	100.0
2	PFPeA	2706-90-3	1.20	263.0 / 219.0	3393770		24.811	0.007	N/A	N/A	99.2
3	PFPeA_2	2706-90-3	1.20	263.0 / 68.9	23254		22.906	0.007	N/A	N/A	91.6
4	PFHxA	307-24-4	2.04	313.0 / 269.0	2689167		12.522	0.075	0.067	Pass	100.2
5	PFHxA_2	307-24-4	2.04	313.0 / 119.0	200430		13.963	0.075	0.067	Pass	111.7
6	PFHpA	375-85-9	2.72	363.1 / 319.0	2705646		13.519	0.341	0.345	Pass	108.2
7	PFHpA_2	375-85-9	2.72	363.1 / 169.0	922167		13.396	0.341	0.345	Pass	107.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	3.21	413.1 / 369.1	2932338	M5	11.539	0.387	0.365	Pass	92.3
9	PFOA_2	335-67-1	3.21	413.1 / 169.0	1134337	M5	11.909	0.387	0.365	Pass	95.3
10	PFNA	375-95-1	3.63	462.8 / 418.9	2467881		12.237	0.333	0.352	Pass	97.9
11	PFNA_2	375-95-1	3.63	462.8 / 219.0	822135	M5	12.287	0.333	0.352	Pass	98.3
12	PFDA	335-76-2	4.04	513.1 / 469.1	3082542		13.754	0.149	0.185	Pass	110.0
13	PFDA_2	335-76-2	4.04	513.1 / 219.0	460007		11.728	0.149	0.185	Pass	93.8
14	PFUnA	2058-94-8	4.43	563.1 / 519.1	2614922		12.725	0.164	0.166	Pass	101.8
15	PFUnA_2	2058-94-8	4.43	563.1 / 269.0	429769		12.564	0.164	0.166	Pass	100.5
16	PFDoA	307-55-1	4.81	613.1 / 569.1	2749346		12.550	0.154	0.150	Pass	100.4
17	PFDoA_2	307-55-1	4.81	613.1 / 319.0	424552		12.172	0.154	0.150	Pass	97.4
18	PFTrDA	72629-94-8	5.19	663.1 / 619.1	2523636		12.339	0.150	0.134	Pass	98.7
19	PFTrDA_2	72629-94-8	5.18	663.1 / 169.0	379239		12.466	0.150	0.134	Pass	99.7
20	PFTeDA	376-06-7	5.55	713.1 / 669.1	2339833		12.709	0.143	0.150	Pass	101.7
21	PFTeDA_2	376-06-7	5.55	713.1 / 169.0	334739		11.508	0.143	0.150	Pass	92.1
22	PFBS	375-73-5	2.04	299.1 / 80.1	1578341		10.584	0.365	0.341	Pass	95.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	2.04	299.1 / 99.1	576440		10.890	0.365	0.341	Pass	98.1
24	PFPeS	2706-91-4	2.78	349.1 / 80.1	1428880		11.155	0.311	0.296	Pass	94.5
25	PFPeS_2	2706-91-4	2.78	349.1 / 99.1	444620		11.823	0.311	0.296	Pass	100.2
26	PFHxS	355-46-4	3.31	399.1 / 80.1	1277403		11.318	0.294	0.298	Pass	99.3
27	PFHxS_2	355-46-4	3.31	399.1 / 99.1	375180		11.420	0.294	0.298	Pass	100.2
28	PFHpS	375-92-8	3.76	449.1 / 80.1	1351573		11.328	0.298	0.277	Pass	95.2
29	PFHpS_2	375-92-8	3.76	449.1 / 99.1	402820		11.583	0.298	0.277	Pass	97.3
30	PFOS	1763-23-1	4.18	499.1 / 80.1	1643405	M5	11.354	0.245	0.236	Pass	97.9
31	PFOS_2	1763-23-1	4.18	499.1 / 99.1	402553		11.864	0.245	0.236	Pass	102.3
32	PFNS	68259-12-1	4.59	549.1 / 80.1	1177350		11.658	0.290	0.265	Pass	97.2
33	PFNS_2	68259-12-1	4.59	549.1 / 99.1	341141		12.127	0.290	0.265	Pass	101.1
34	PFDS	335-77-3	4.97	599.1 / 80.1	1162107		12.027	0.294	0.275	Pass	99.4
35	PFDS_2	335-77-3	4.97	599.1 / 99.1	341503		12.571	0.294	0.275	Pass	103.9
36	PFDoS	79780-39-5	5.71	699.2 / 80.1	1253815		11.913	0.247	0.245	Pass	98.5
37	PFDoS_2	79780-39-5	5.71	699.2 / 99.1	310155		11.502	0.247	0.245	Pass	95.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	1.79	327.1 / 307.1	1462071		45.675	0.531	0.542	Pass	97.4
39	4:2FTS_2	757124-72-4	1.79	327.1 / 81.1	776801		45.208	0.531	0.542	Pass	96.4
40	6:2FTS	27619-97-2	3.02	427.2 / 407.2	1185924		48.427	0.539	0.555	Pass	101.7
41	6:2FTS_2	27619-97-2	3.02	427.2 / 81.1	639665		48.060	0.539	0.555	Pass	101.0
42	8:2FTS	39108-34-4	3.85	527.2 / 507.2	904931		45.395	0.742	0.824	Pass	94.6
43	8:2FTS_2	39108-34-4	3.85	527.2 / 81.1	671708		44.002	0.742	0.824	Pass	91.7
44	PFOSA	754-91-6	5.33	498.1 / 78.1	1939498	M5	12.378	0.031	0.029	Pass	99.0
45	PFOSA_2	754-91-6	5.32	498.1 / 478.0	59412	M5	12.963	0.031	0.029	Pass	103.7
46	NMeFOSA	31506-32-8	6.04	512.2 / 219.0	505845		12.660	1.451	1.426	Pass	101.3
47	NMeFOSA_2	31506-32-8	6.00	512.2 / 169.0	734039		12.792	1.451	1.426	Pass	102.3
48	NEtFOSA	4151-50-2	6.33	526.2 / 219.0	519890		12.277	1.225	1.166	Pass	98.2
49	NEtFOSA_2	4151-50-2	6.30	526.2 / 169.0	636820		12.687	1.225	1.166	Pass	101.5
50	NMeFOSAA	2355-31-9	4.14	570.2 / 419.1	418743	M5	13.124	0.725	0.729	Pass	105.0
51	NMeFOSAA_2	2355-31-9	4.14	570.2 / 483.0	303622		13.718	0.725	0.729	Pass	109.8
52	NEtFOSAA	2991-50-6	4.35	584.2 / 419.1	310184		12.156	0.488	0.453	Pass	97.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.35	584.2 / 526.2	151307	M5	12.438	0.488	0.453	Pass	99.5
54	NMeFOSE	24448-09-7	5.91	616.1 / 58.9	4632791		123.776	N/A	N/A	N/A	99.0
55	NEtFOSE	1691-99-2	6.21	630.0 / 58.9	11417135		124.298	N/A	N/A	N/A	99.4
56	HFPO-DA	13252-13-6	2.31	285.0 / 169.0	4581981		50.301	0.904	0.892	Pass	100.6
57	HFPO-DA_2	13252-13-6	2.31	285.0 / 184.9	4143800		52.212	0.904	0.892	Pass	104.4
58	ADONA	919005-14-4	2.90	376.9 / 251.0	19612579		52.380	0.419	0.444	Pass	110.9
59	ADONA_2	919005-14-4	2.90	376.9 / 84.8	8224920		51.865	0.419	0.444	Pass	109.8
60	9Cl-PF3ONS	756426-58-1	4.46	530.8 / 351.1	15488439		44.610	0.381	0.359	Pass	95.5
61	9Cl-PF3ONS_2	756426-58-1	4.46	532.8 / 353.0	5900174		48.800	0.381	0.359	Pass	104.5
62	11Cl-PF3OUdS	763051-92-9	5.23	630.9 / 451.0	12488604		46.250	0.369	0.348	Pass	98.0
63	11Cl-PF3OUdS_2	763051-92-9	5.23	632.9 / 452.9	4606268		50.074	0.369	0.348	Pass	106.1
64	3:3FTCA	356-02-5	1.59	241.1 / 177.1	967960		61.311	0.721	0.698	Pass	98.1
65	3:3FTCA_2	356-02-5	1.59	241.1 / 117.0	697571		60.566	0.721	0.698	Pass	96.9
66	5:3FTCA	914637-49-3	3.21	341.1 / 237.1	14984699		316.383	0.969	0.979	Pass	101.2
67	5:3FTCA_2	914637-49-3	3.21	341.1 / 217.0	14515040		310.849	0.969	0.979	Pass	99.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	4.19	441.1 / 316.9	6829723		317.748	2.050	2.144	Pass	101.7
69	7:3FTCA_2	812-70-4	4.19	441.1 / 337.1	14003157		320.011	2.050	2.144	Pass	102.4
70	PFEESA	113507-82-7	2.41	315.1 / 135.0	9070098		21.906	0.084	0.077	Pass	98.2
71	PFEESA_2	113507-82-7	2.41	315.1 / 82.9	759780		22.969	0.084	0.077	Pass	103.0
72	PFMPA	377-73-1	0.77	229.0 / 85.0	4045708		25.783	N/A	N/A	N/A	103.1
73	PFMBA	863090-89-5	1.49	279.0 / 85.0	4026987		23.951	N/A	N/A	N/A	95.8
74	NFDHA	151772-58-6	1.94	295.0 / 201.0	2665029		24.614	0.650	0.632	Pass	98.5
75	NFDHA_2	151772-58-6	1.94	295.0 / 84.9	1732631		24.873	0.650	0.632	Pass	99.5
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	4.812	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	4.812	N/A	N/A
78	13C2D4-4:2FTS	Surr	1.78	333.2 / 312.1	137901		5.704	N/A	N/A	N/A	114.1
79	13C2-PFOA	Surr	3.20	415.0 / 370.0	278363		2.450	N/A	N/A	N/A	98.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.61	217.0 / 172.0	2064001		9.552	NA	NA	NA	95.5

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Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C5-PFPeA	EIS	1.20	268.0 / 223.0	658039		5.057	NA	NA	NA	101.1
13C5-PFHxA	EIS	2.03	318.0 / 273.0	298120		2.475	NA	NA	NA	99.0
13C4-PFHpA	EIS	2.71	367.0 / 322.0	500673		2.292	NA	NA	NA	91.7
13C8-PFOA	EIS	3.20	420.8 / 376.0	740209		2.152	NA	NA	NA	86.1
13C9-PFNA	EIS	3.63	472.0 / 427.0	317738		1.164	NA	NA	NA	93.1
13C6-PFDA	EIS	4.03	519.0 / 474.0	330003		1.190	NA	NA	NA	95.2
13C7-PFUnA	EIS	4.42	570.0 / 525.0	328899		1.151	NA	NA	NA	92.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.81	615.1 / 570.0	313688		1.187	NA	NA	NA	94.9
	13C2-PFTeDA	EIS	5.54	715.1 / 670.1	205270		1.172	NA	NA	NA	93.7
	13C3-PFBS	EIS	2.03	302.1 / 80.1	323806		2.515	NA	NA	NA	107.9
	13C3-PFHxS	EIS	3.30	402.1 / 80.1	267880		2.436	NA	NA	NA	102.8
	13C8-PFOS	EIS	4.18	507.1 / 80.1	326168		2.202	NA	NA	NA	91.8
	13C2-4:2FTS	EIS	1.78	329.1 / 81.1	81234		4.952	NA	NA	NA	105.6
	13C2-6:2FTS	EIS	3.02	429.2 / 81.1	62609		4.679	NA	NA	NA	98.3
	13C2-8:2FTS	EIS	3.85	529.2 / 81.1	83346		5.287	NA	NA	NA	110.2

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C8-PFOSA	EIS	5.32	506.1 / 78.1	554778		2.279	NA	NA	NA	91.2
d3-NMeFOSA	EIS	6.04	515.2 / 219.0	95468		2.182	NA	NA	NA	87.3
d5-NEtFOSA	EIS	6.32	531.2 / 219.0	85498		2.278	NA	NA	NA	91.1
d3-NMeFOSAA	EIS	4.14	573.2 / 419.1	229665		3.741	NA	NA	NA	74.8
d5-NEtFOSAA	EIS	4.34	589.3 / 419.1	121664		4.658	NA	NA	NA	93.2
d7-NMeFOSE	EIS	5.89	623.2 / 58.9	334164		24.629	NA	NA	NA	98.5
d9-NEtFOSE	EIS	6.18	639.2 / 58.9	737834		23.643	NA	NA	NA	94.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.31	287.0 / 169.0	900904		9.987	NA	NA	NA	99.9
	13C3-PFBA	NIS	0.60	216.0 / 172.0	968960		4.934	NA	NA	NA	98.7
	13C2-PFHxA	NIS	2.03	315.0 / 270.0	464031		2.385	NA	NA	NA	95.4
	13C4-PFOA	NIS	3.20	417.0 / 372.0	236489		2.803	NA	NA	NA	112.1
	13C5-PFNA	NIS	3.62	468.0 / 423.0	356505		1.270	NA	NA	NA	101.6
	13C2-PFDA	NIS	4.03	515.1 / 470.1	324885		1.260	NA	NA	NA	100.8
	18O2-PFHxS	NIS	3.30	403.1 / 84.1	217197		2.180	NA	NA	NA	92.0
	13C4-PFOS	NIS	4.18	503.1 / 80.1	271362		2.486	NA	NA	NA	103.6

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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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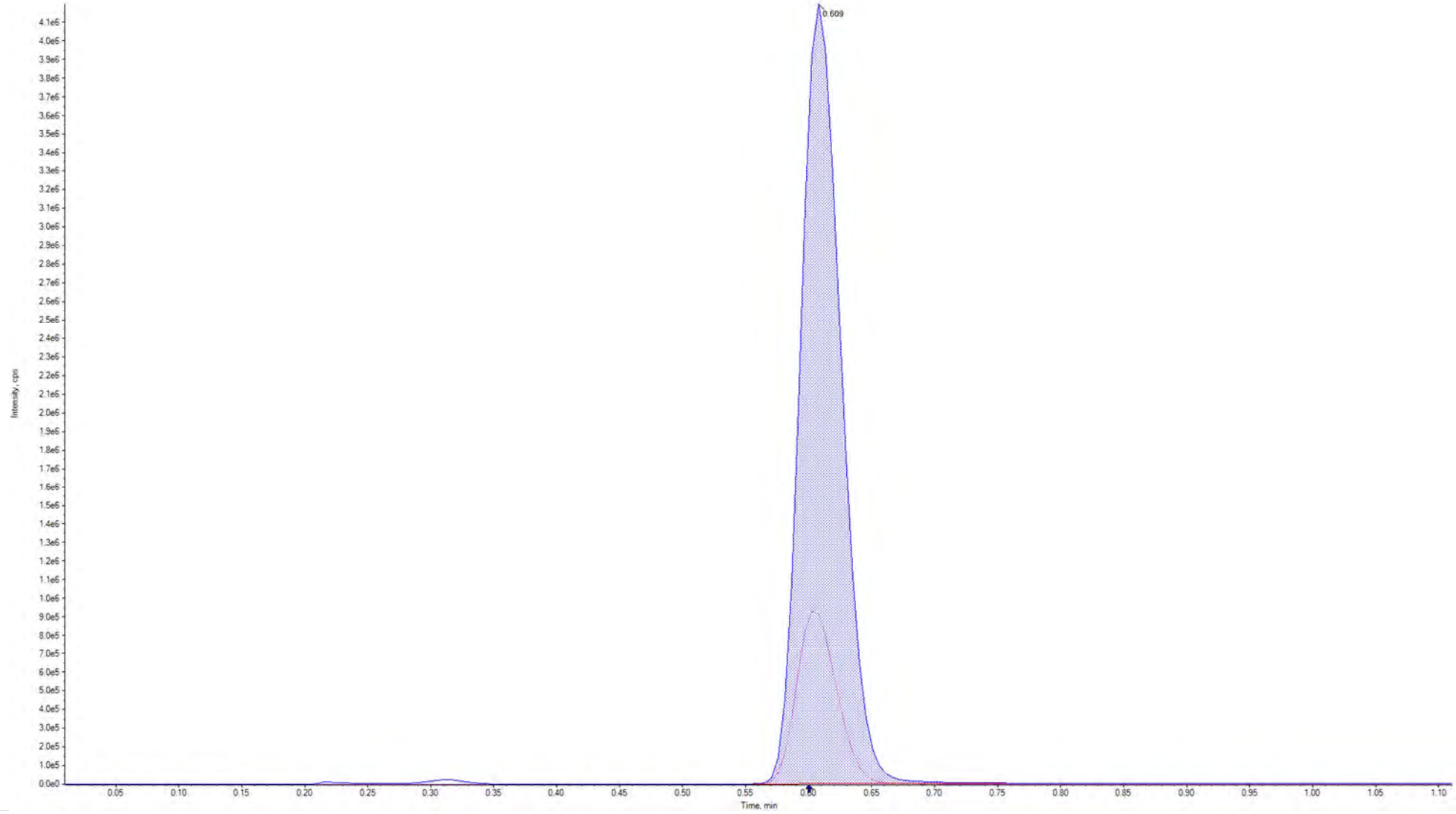

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PFPeA
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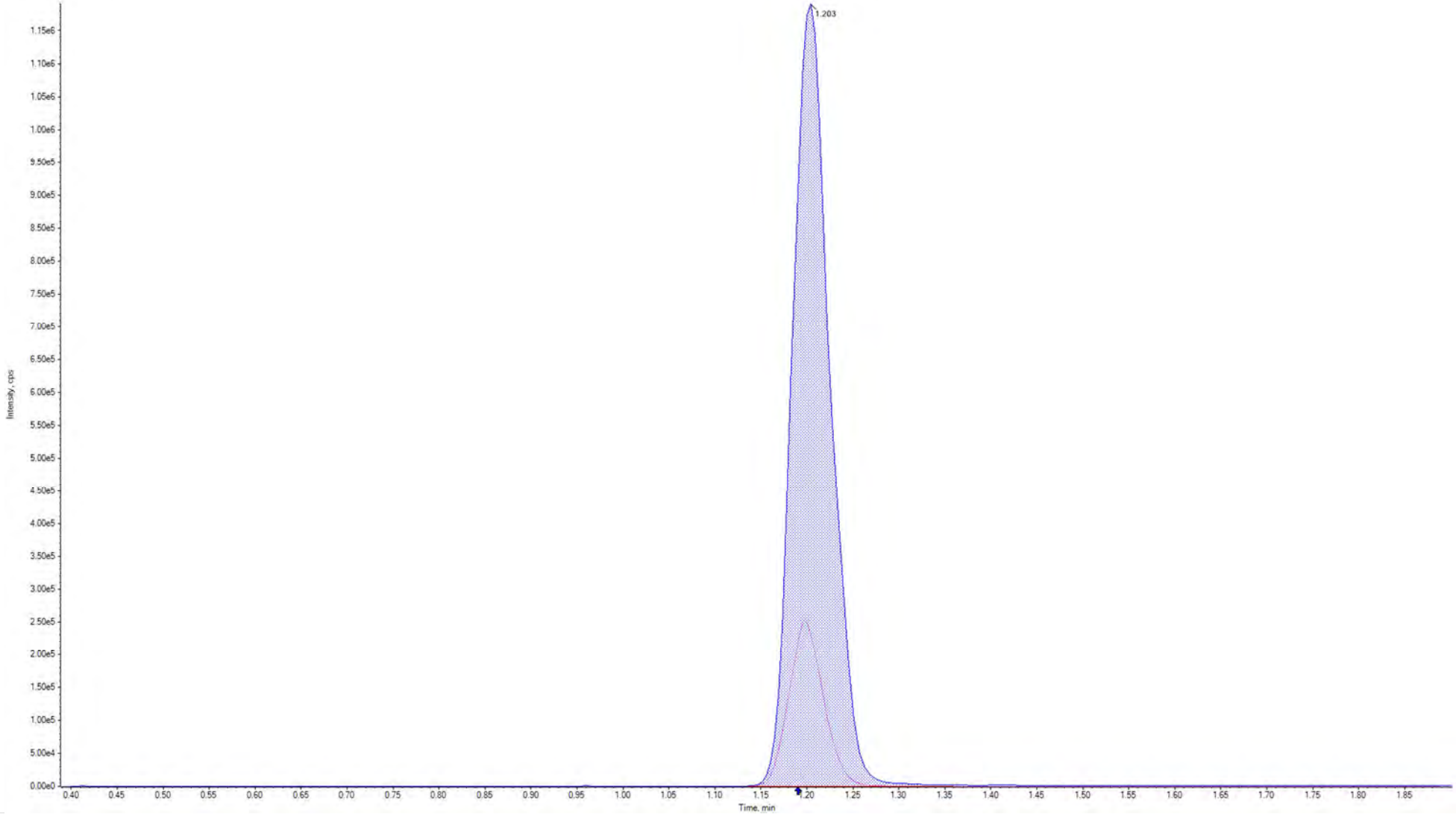

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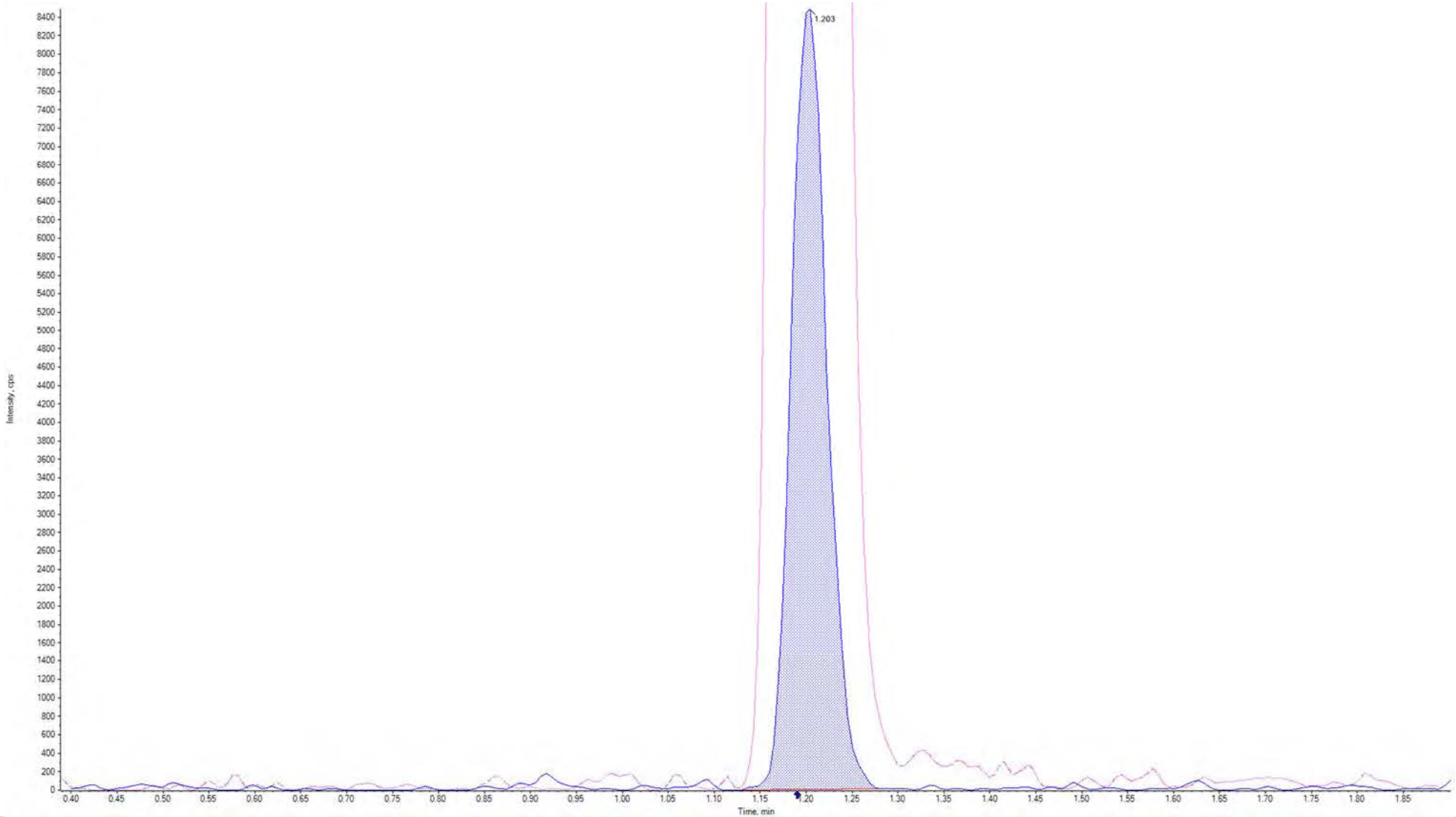
PFPeA_2
Sample: IA1633STD-12.5 S/N:403.8 Points Across peak:33



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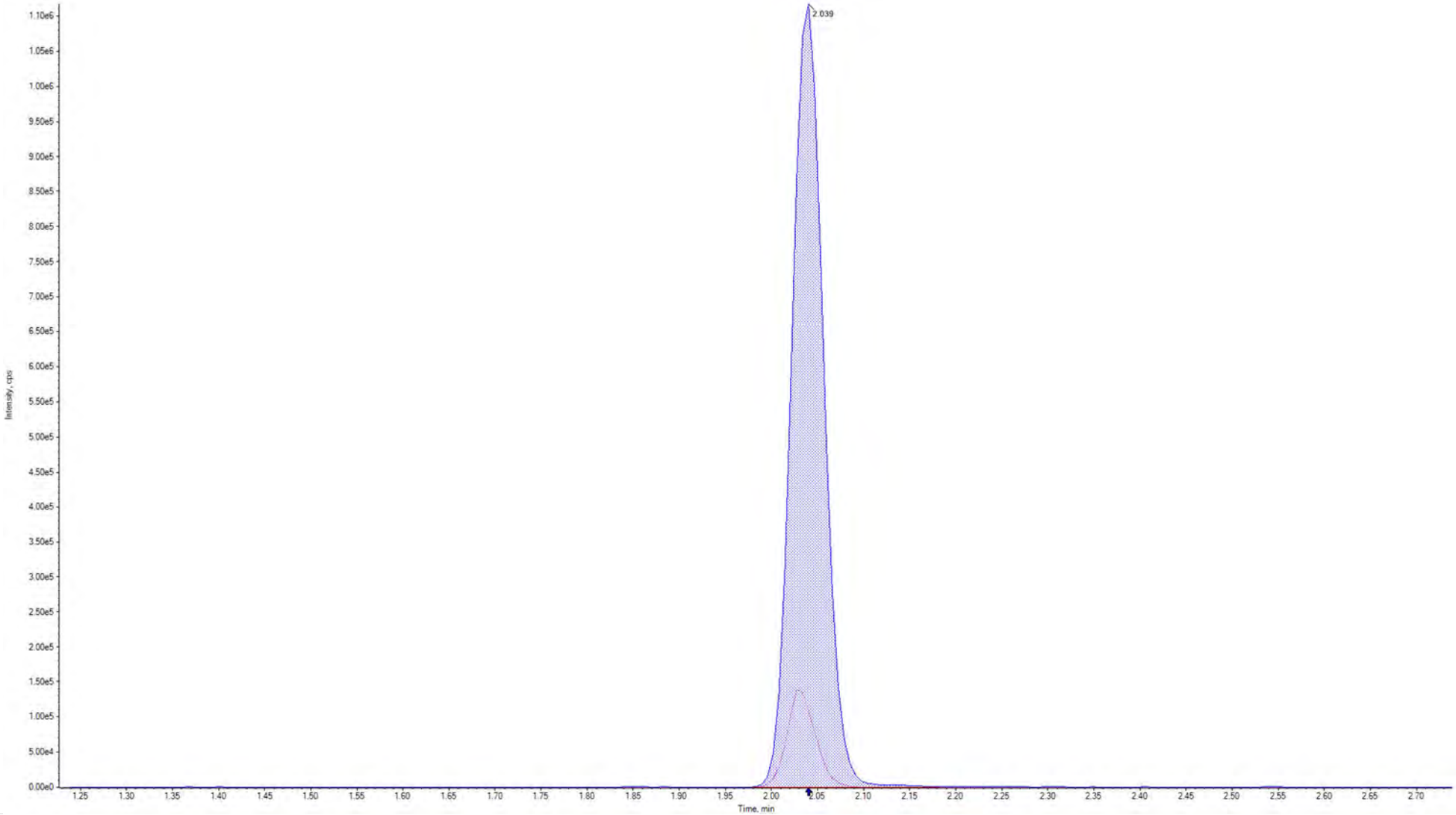
PFHxA
Sample: IA1633STD-12.5 S/N:12703.3 Points Across peak:33



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PFHxA_2
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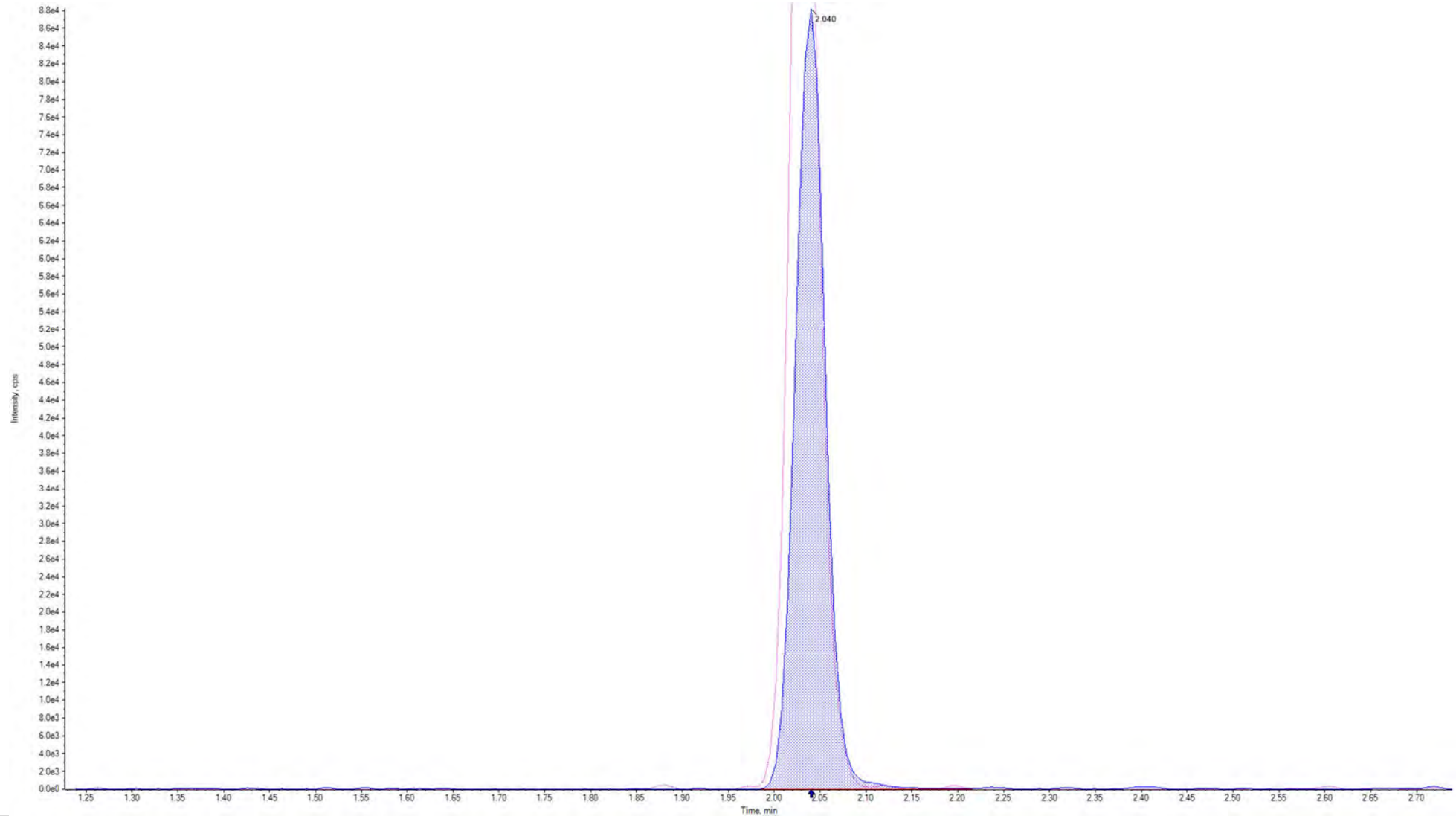

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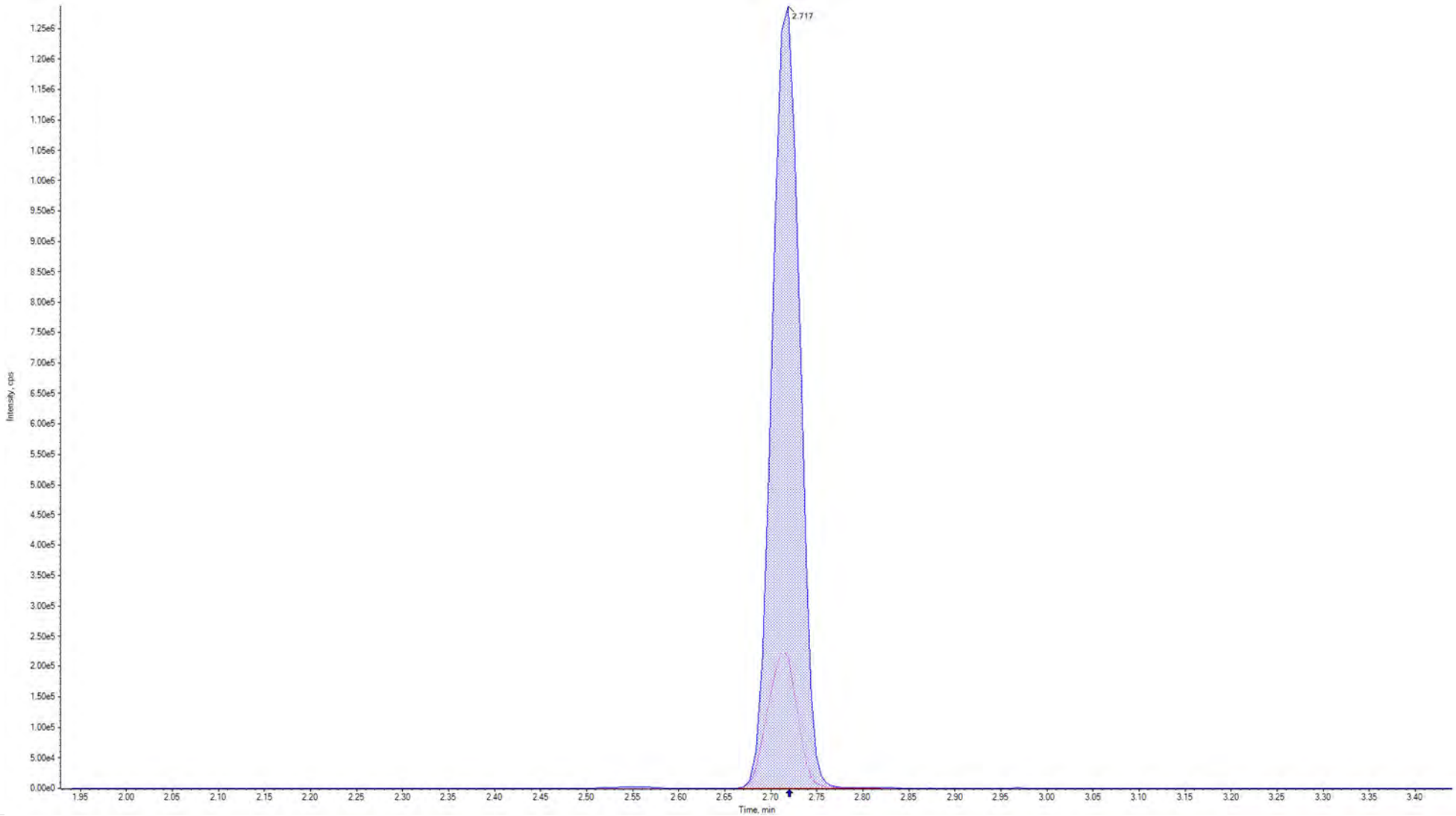
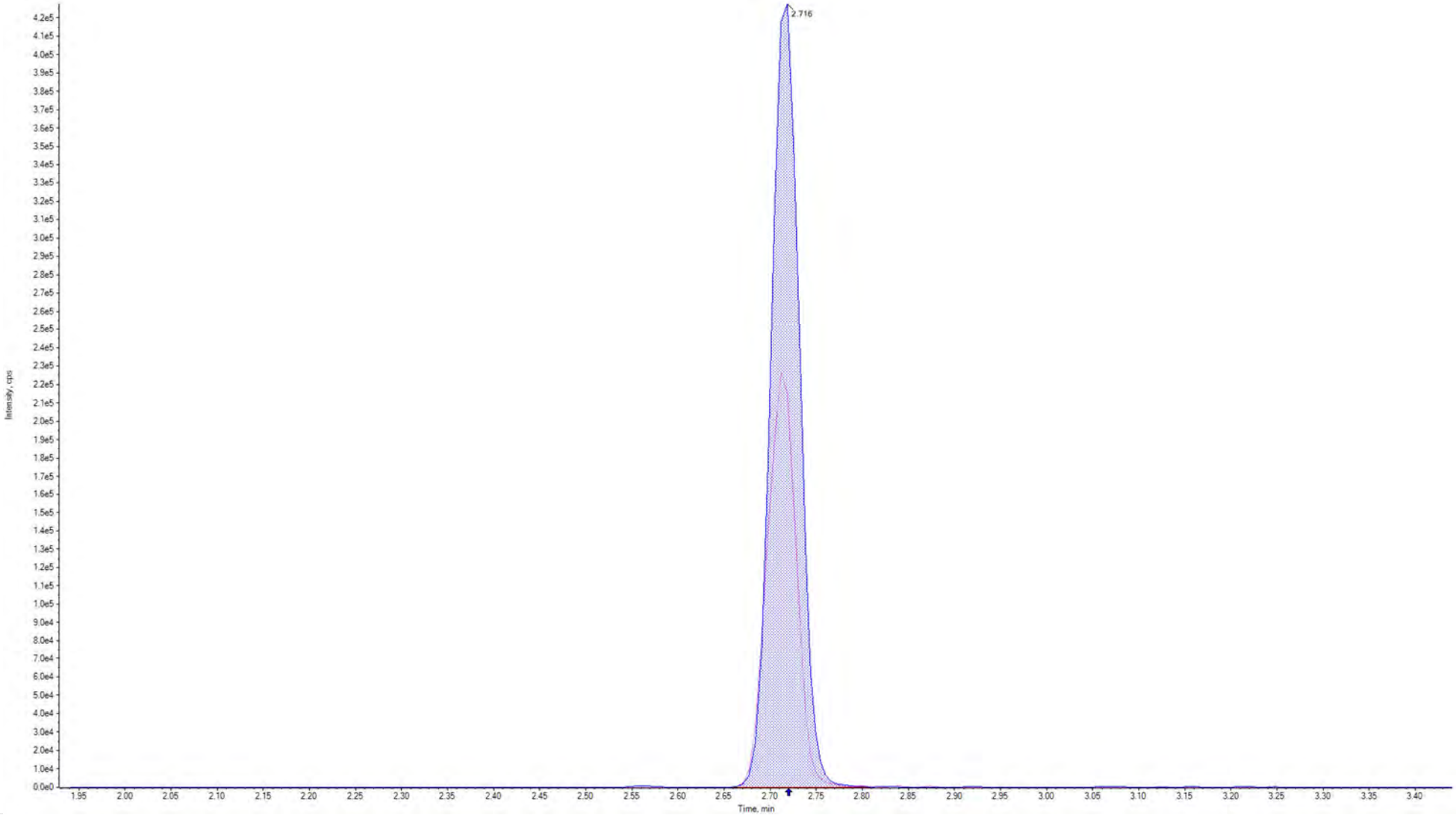
PFHpA
Sample: IA1633STD-12.5 S/N:19344.9 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFHpA_2
Sample: IA1633STD-12.5 S/N:6429.3 Points Across peak:27



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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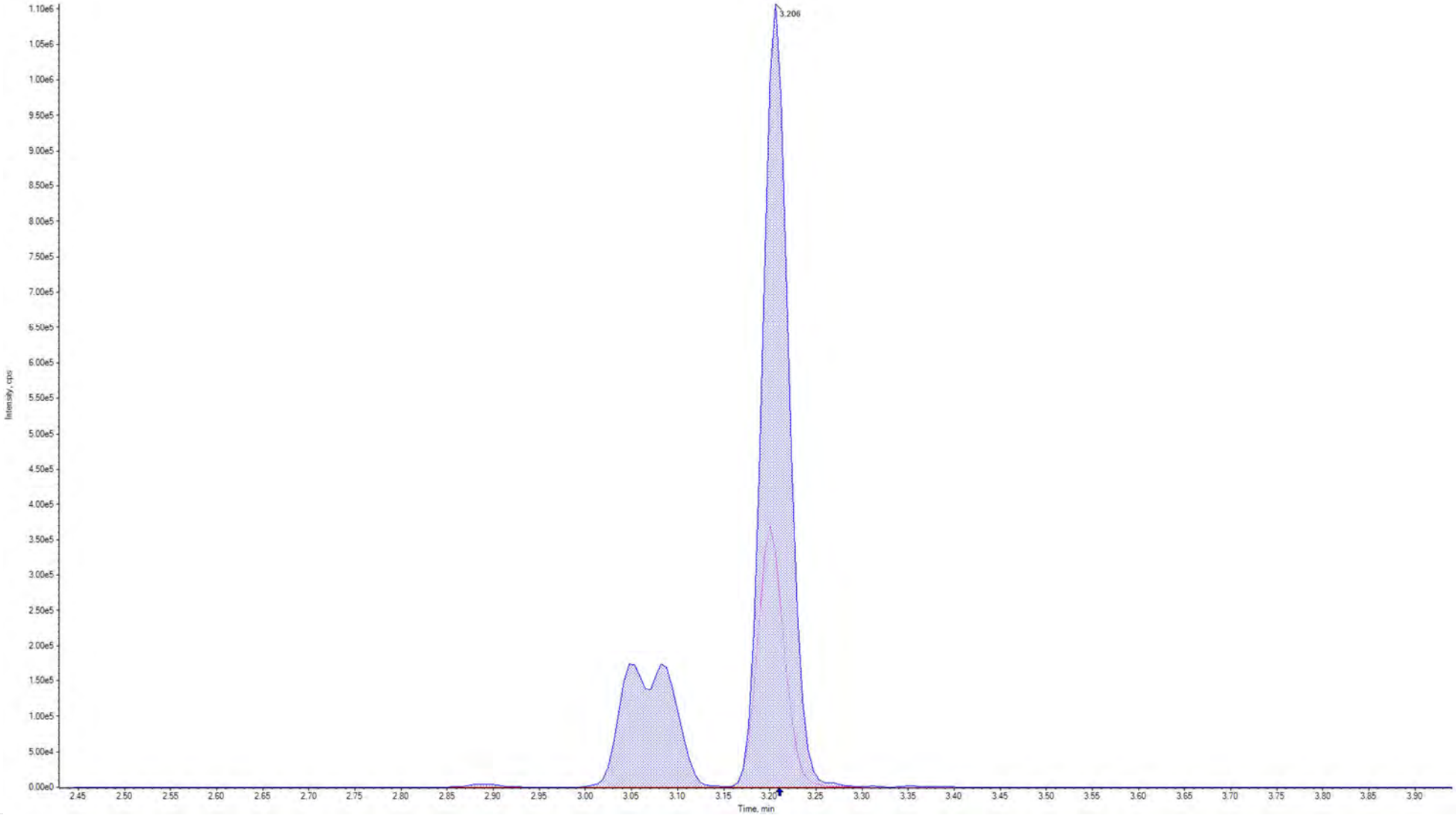
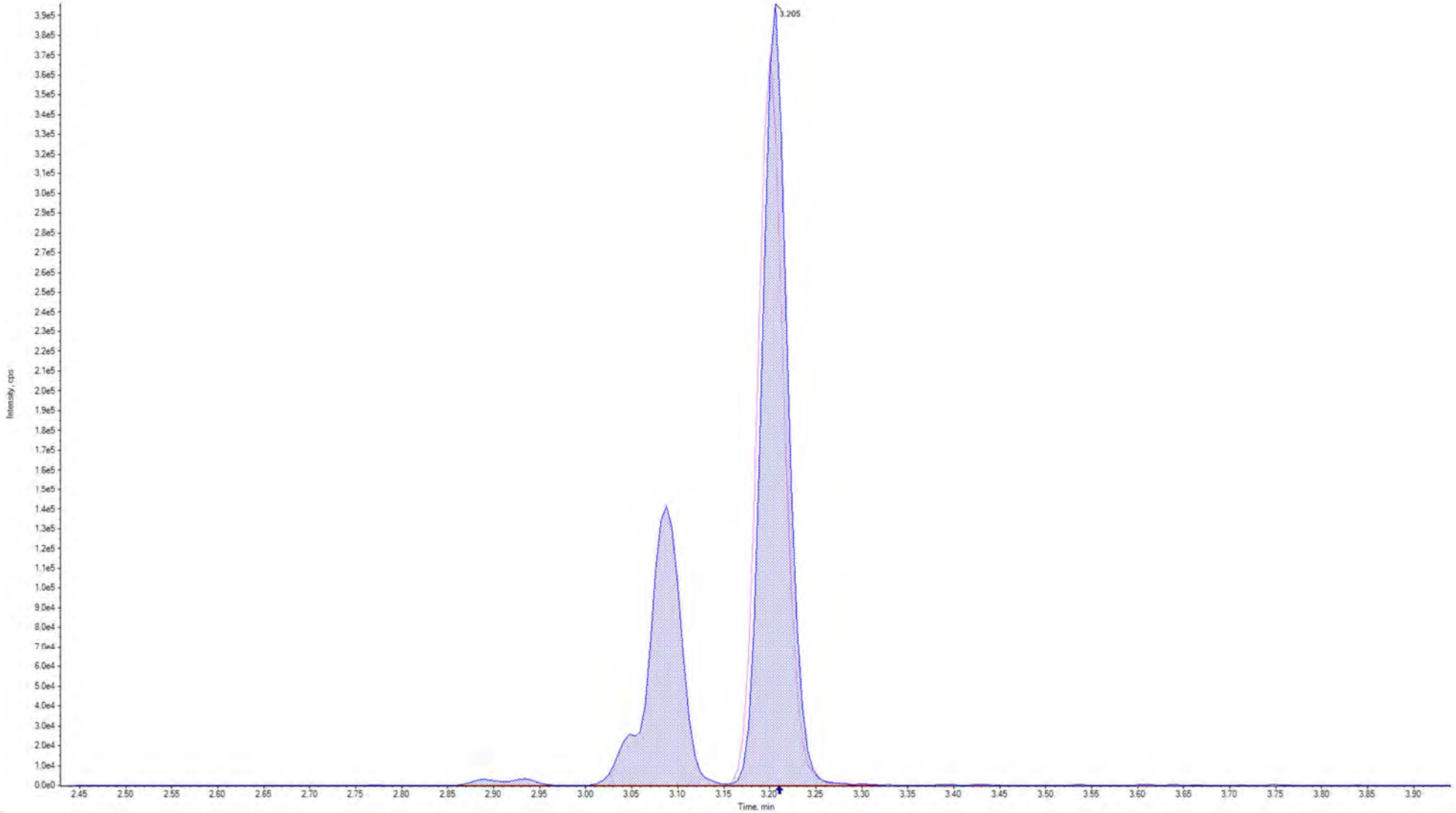
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFOA
Sample: IA1633STD-12.5 S/N:1338.1 Points Across peak:80



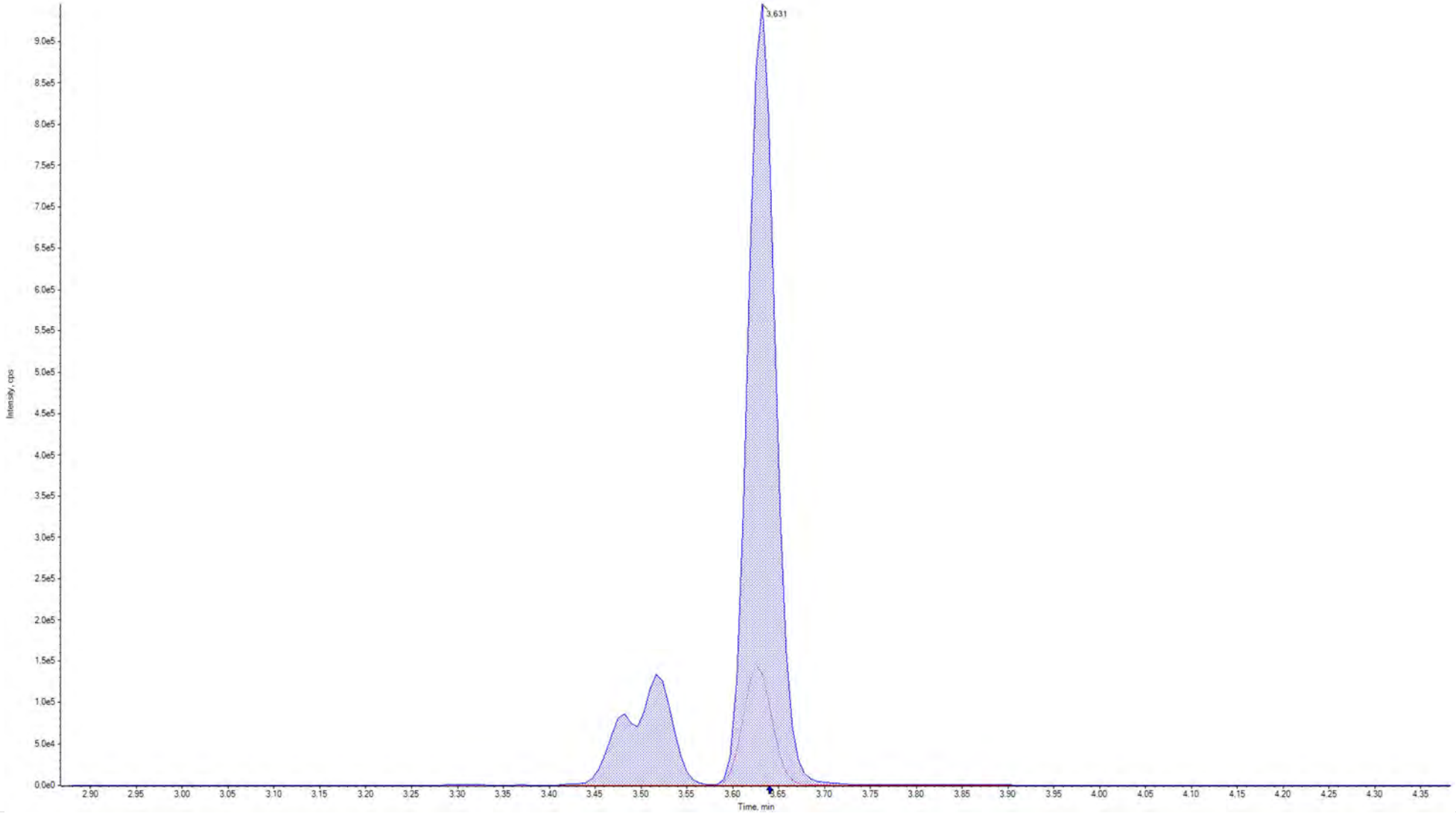
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFOA_2
Sample: IA1633STD-12.5 S/N:1277.9 Points Across peak:80



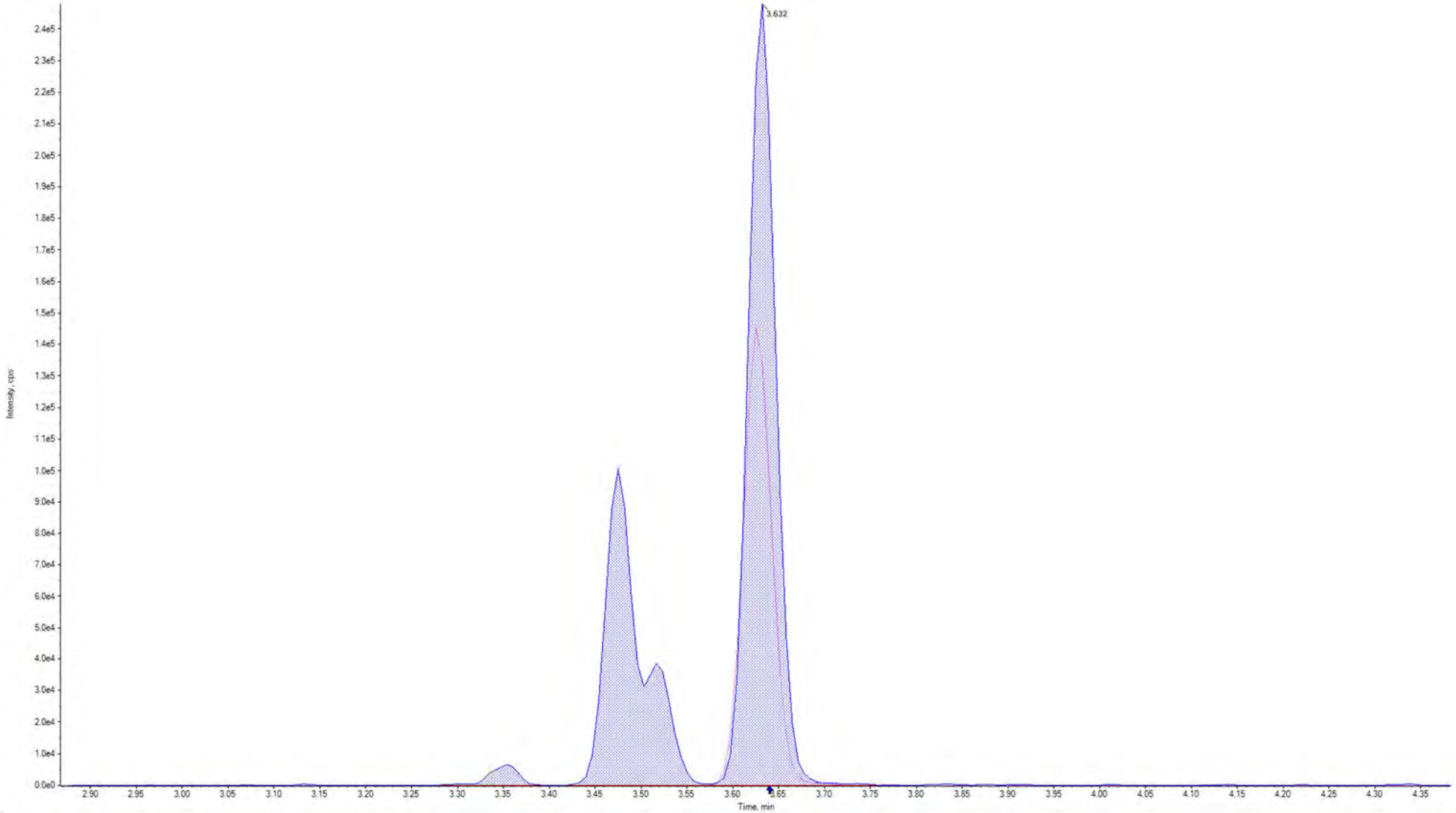
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFNA
Sample: IA1633STD-12.5 S/N:1717.6 Points Across peak:77



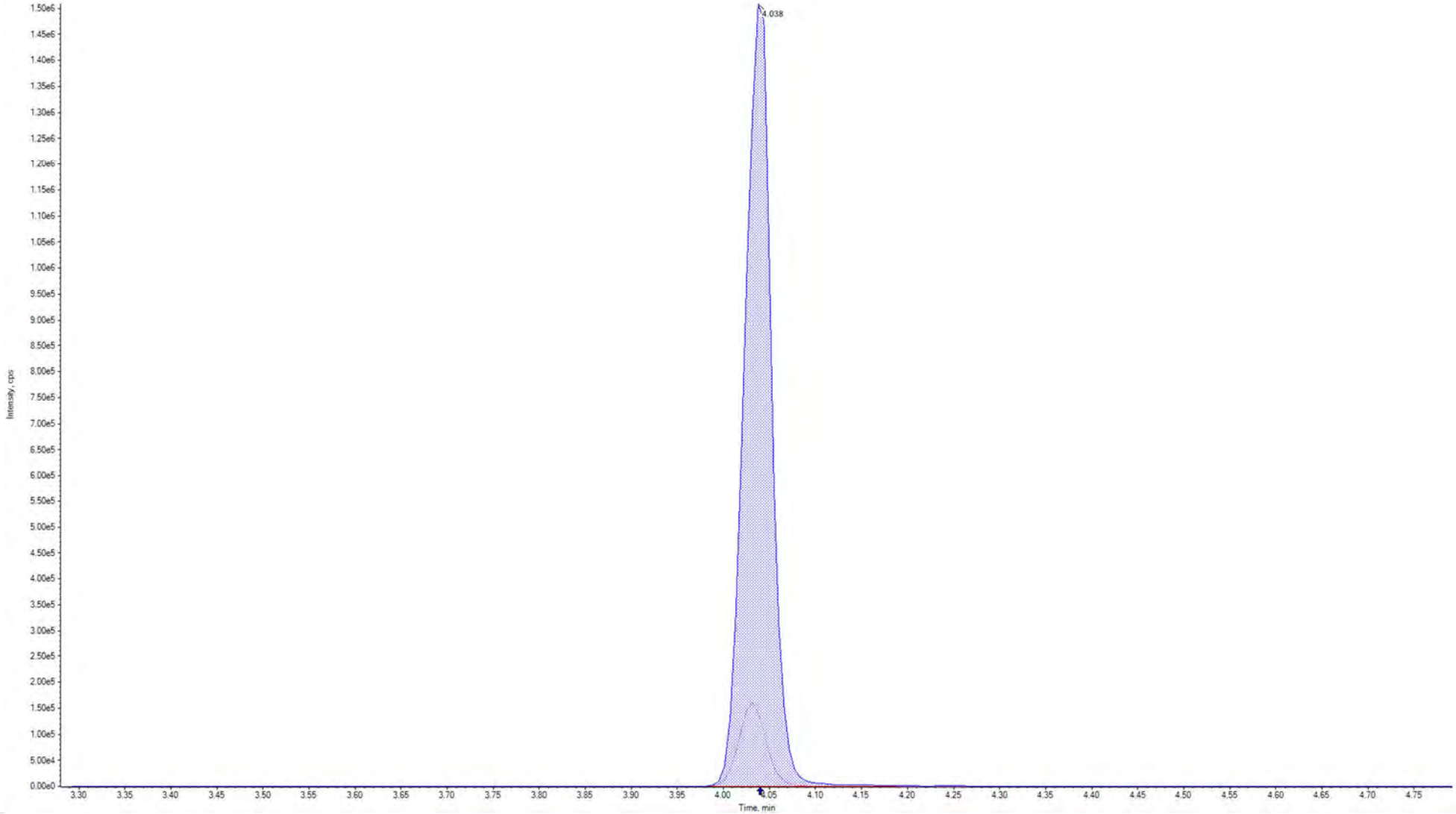
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFNA_2
Sample: IA1633STD-12.5 S/N:1014.1 Points Across peak:76



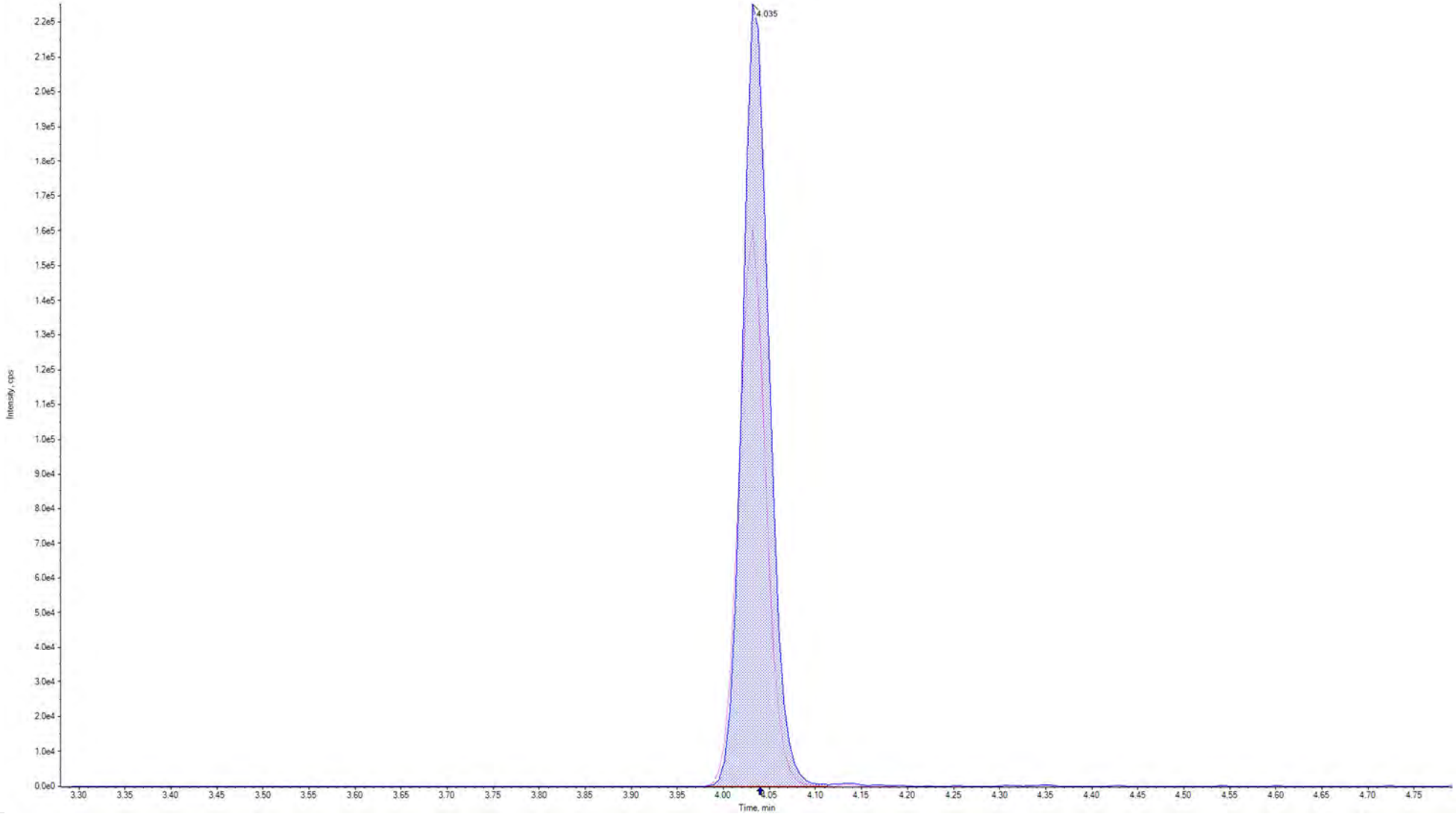
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFDA
Sample: IA1633STD-12.5 S/N:8608.2 Points Across peak:45



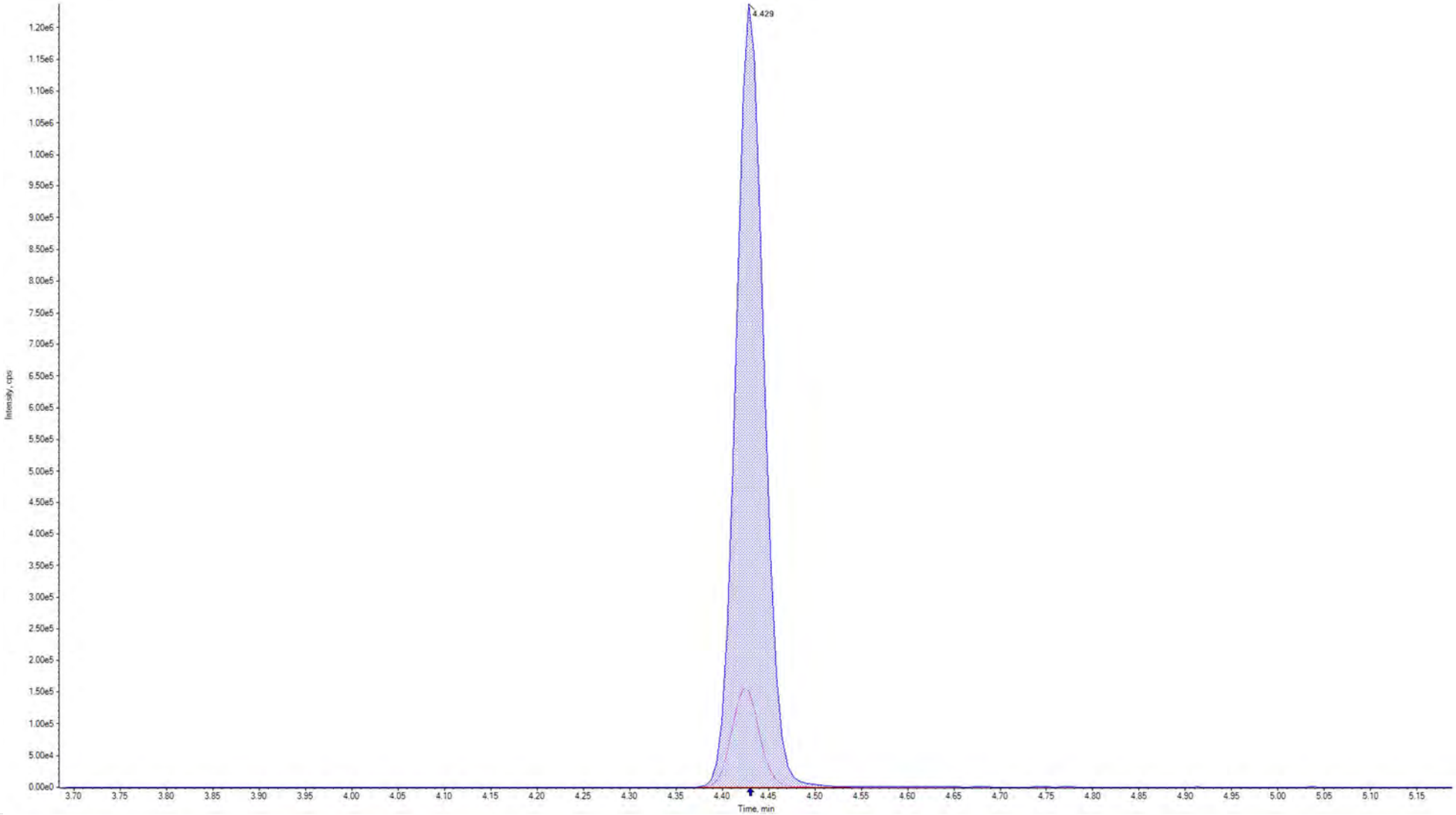
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFDA_2
Sample: IA1633STD-12.5 S/N:2822.2 Points Across peak:28



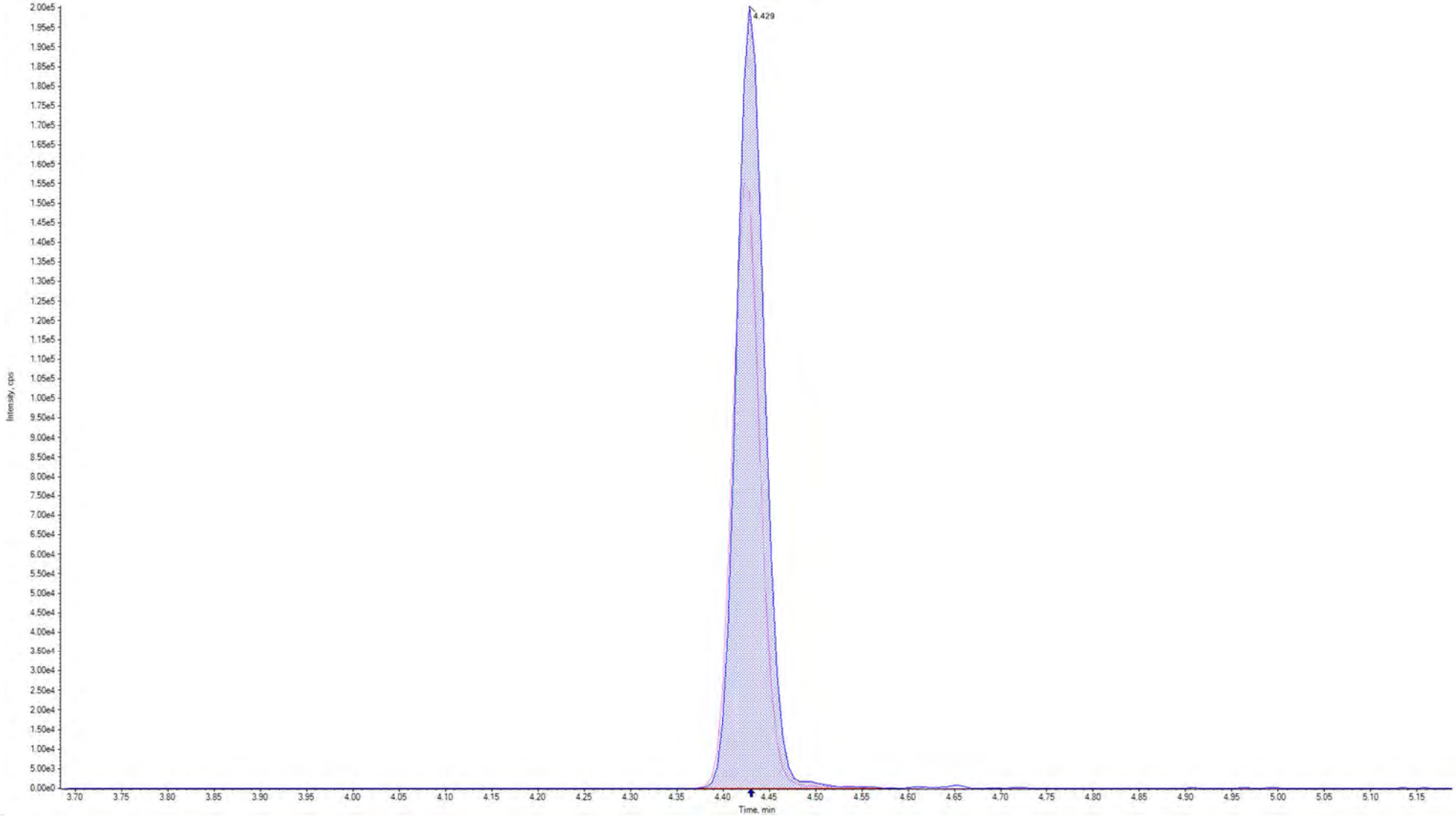
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFUnA
Sample: IA1633STD-12.5 S/N:7301.0 Points Across peak:30



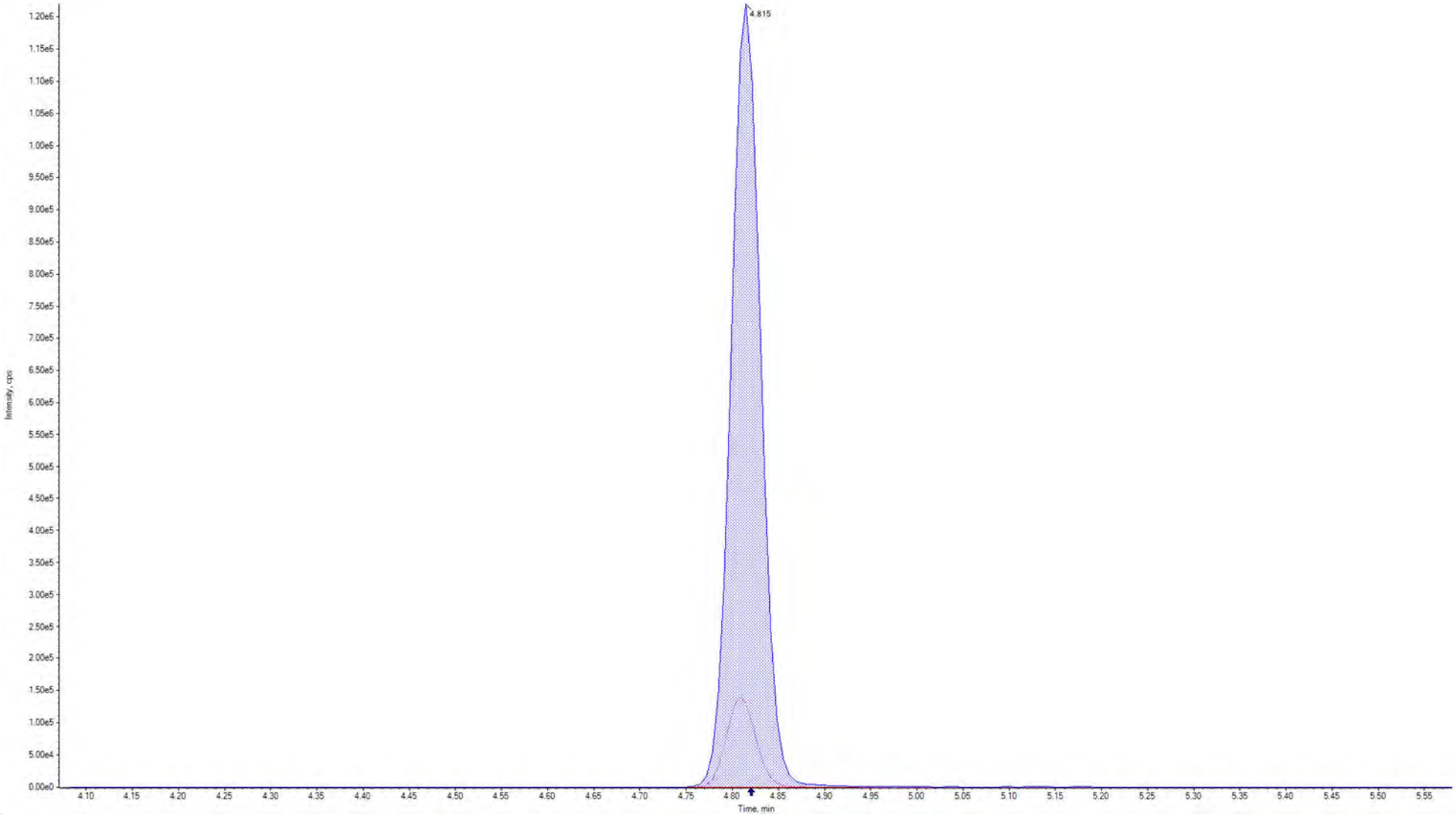
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFUnA_2
Sample: IA1633STD-12.5 S/N:2061.9 Points Across peak:38



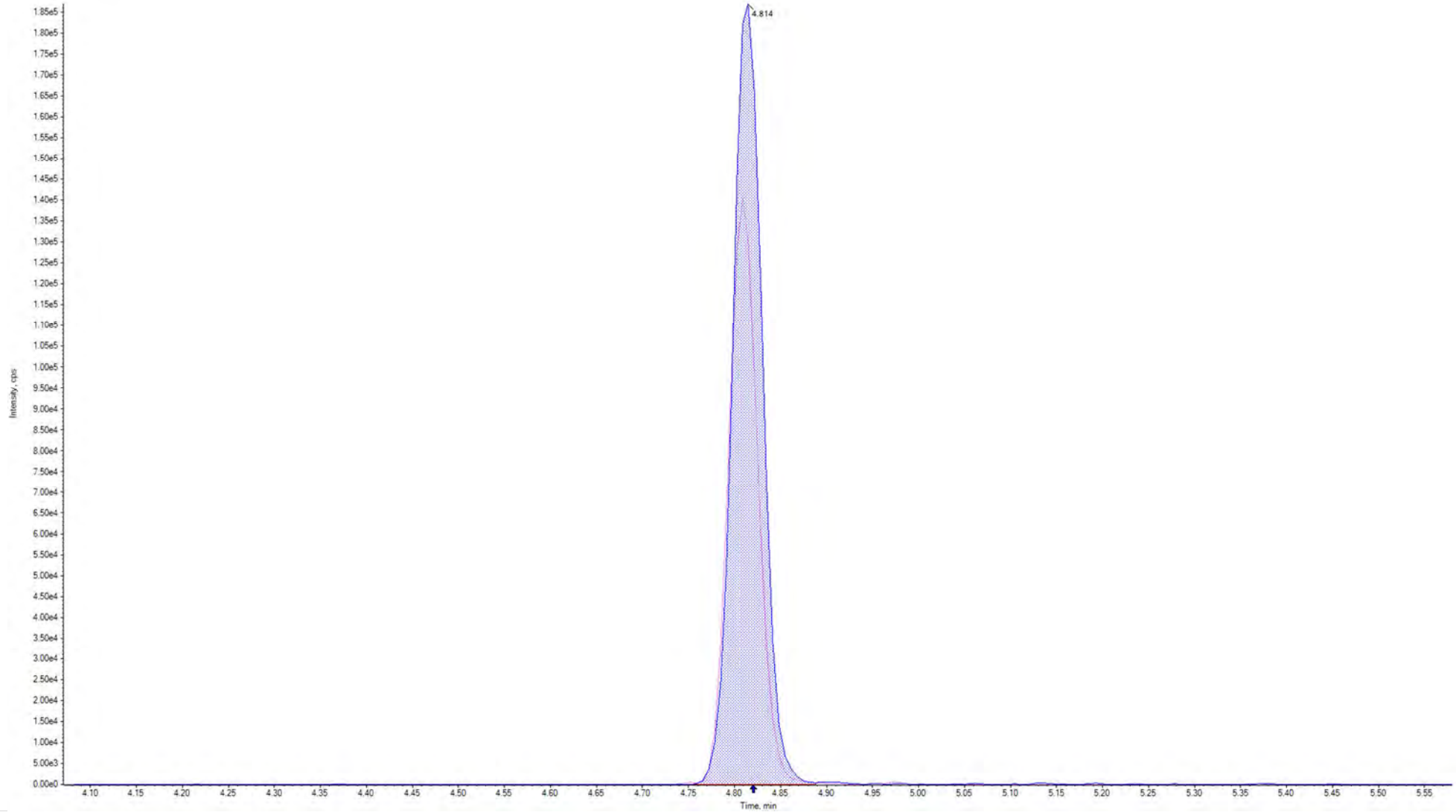
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFDoA
Sample: IA1633STD-12.5 S/N:5702.8 Points Across peak:31



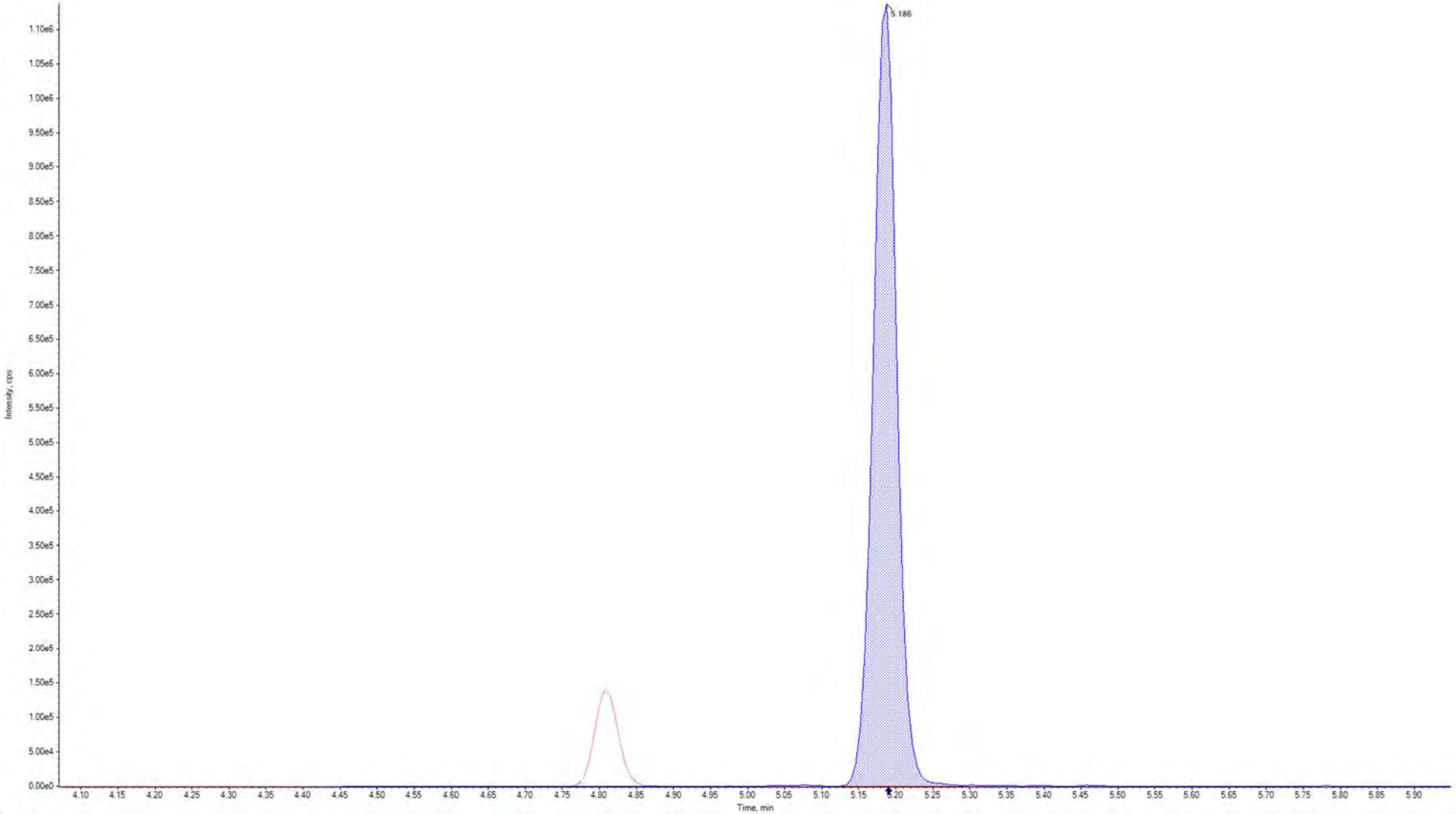
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFDoA_2
Sample: IA1633STD-12.5 S/N:3279.0 Points Across peak:25



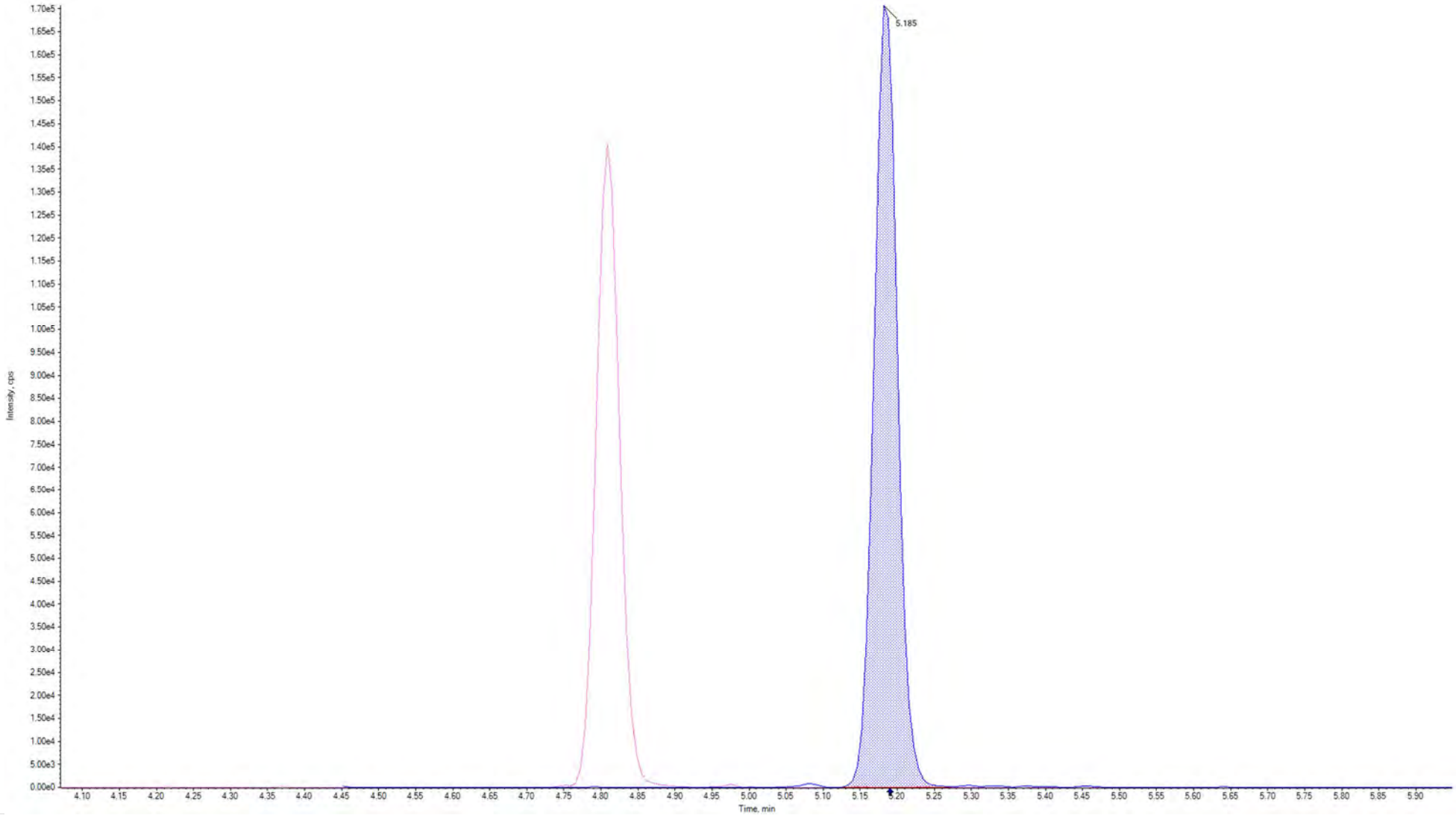
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFTrDA
Sample: IA1633STD-12.5 S/N:22788.2 Points Across peak:31



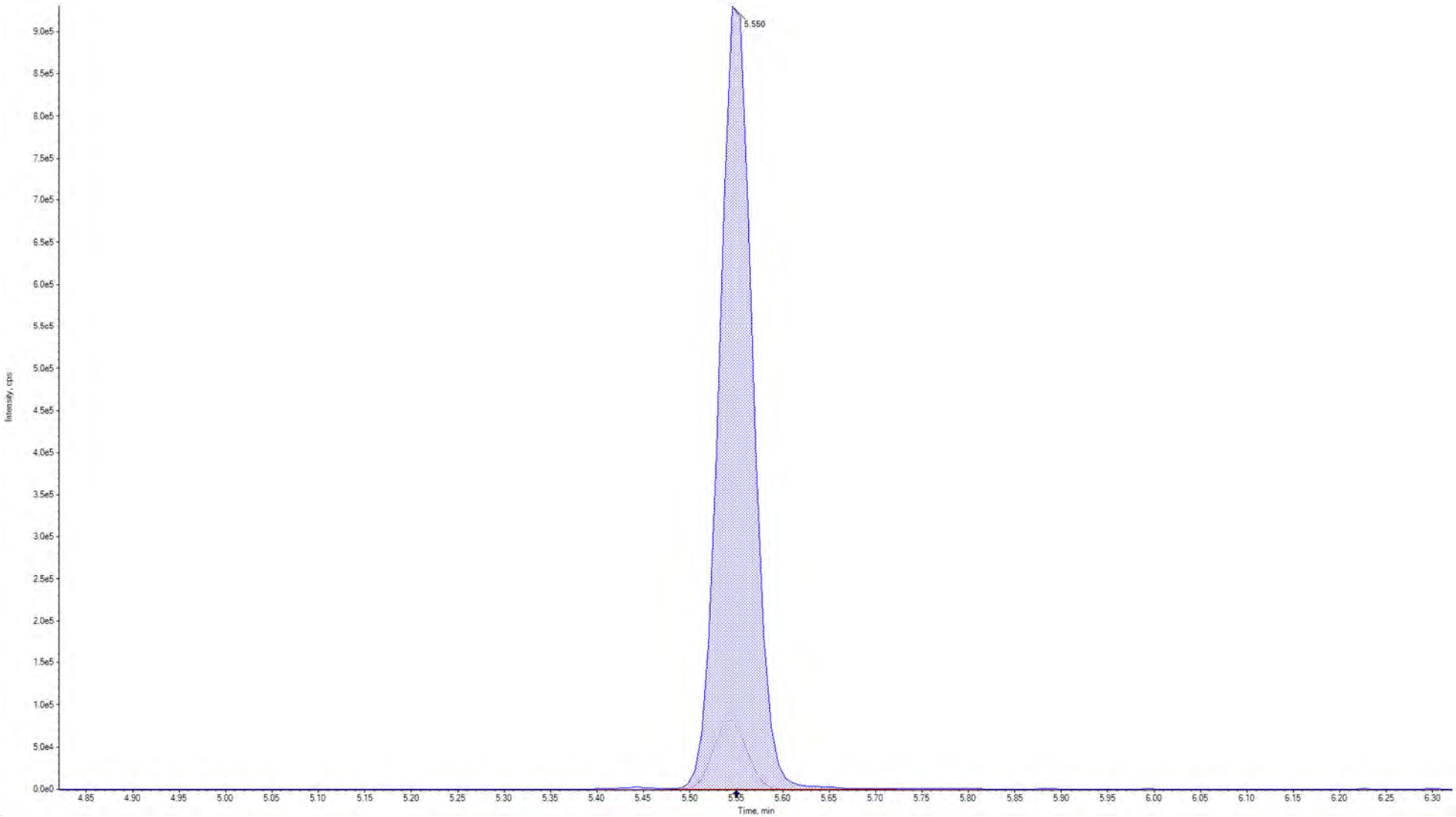
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFTrDA_2
Sample: IA1633STD-12.5 S/N:3423.3 Points Across peak:27



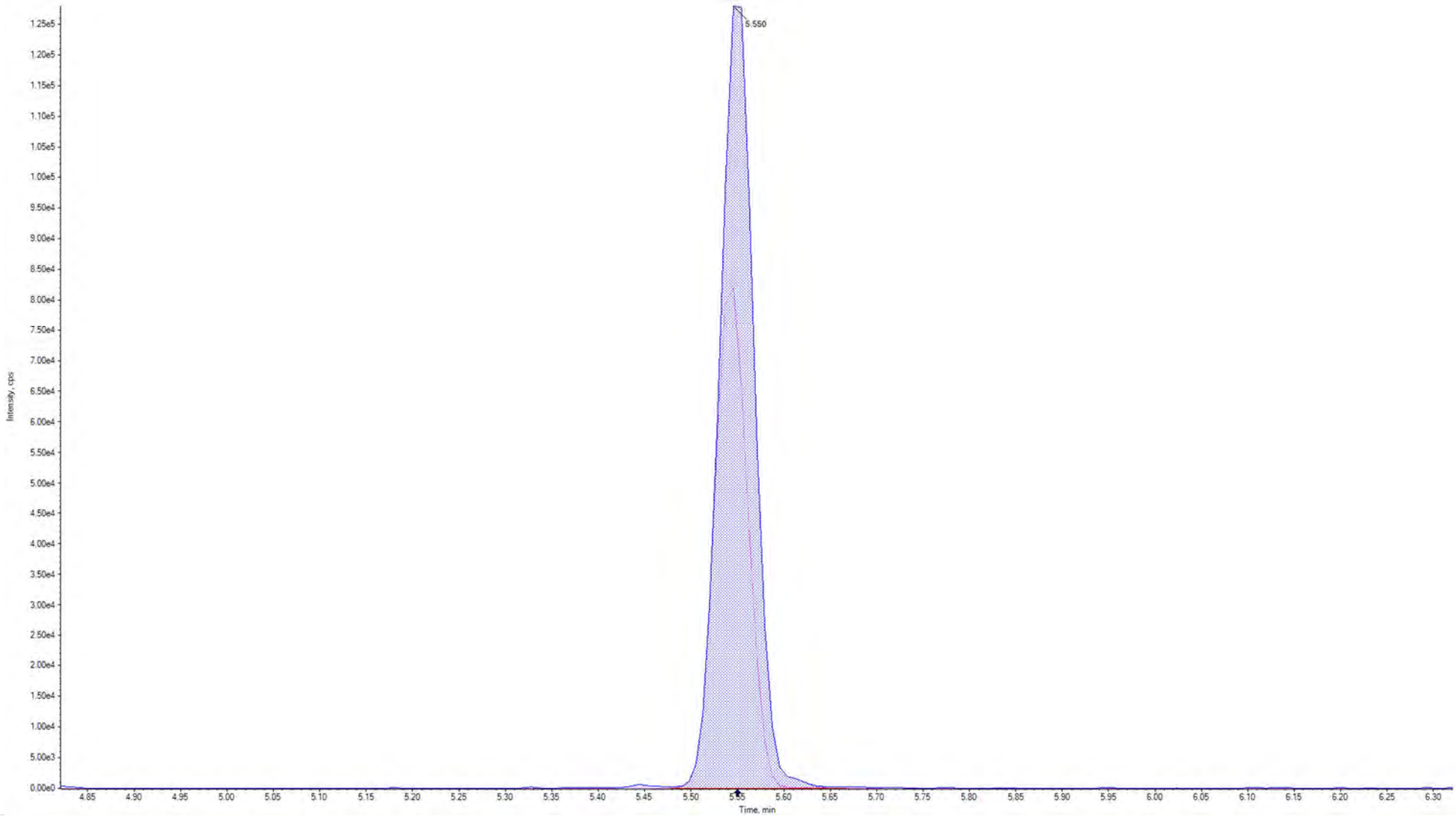
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFTeDA
Sample: IA1633STD-12.5 S/N:25637.2 Points Across peak:32



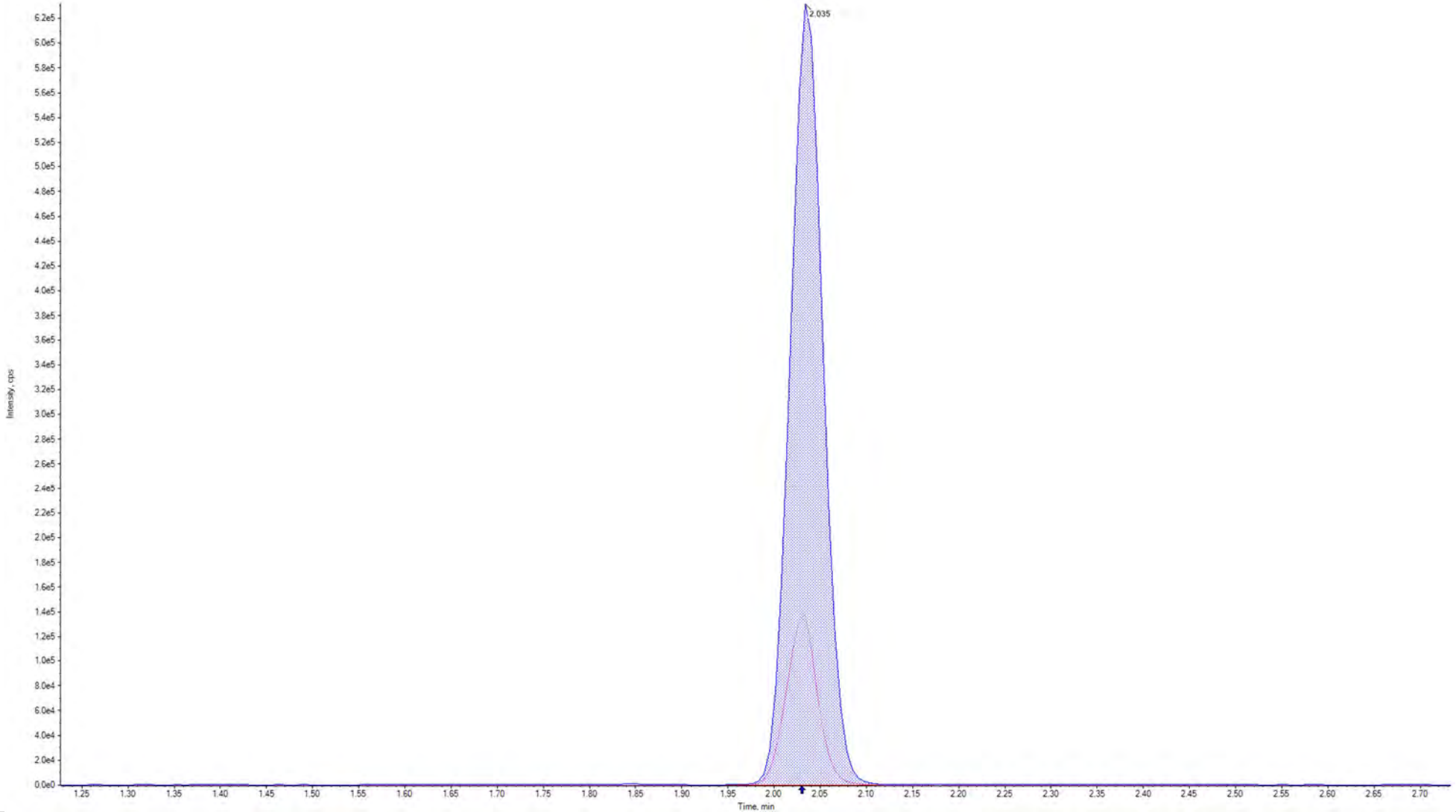
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFTeDA_2
Sample: IA1633STD-12.5 S/N:3527.2 Points Across peak:25



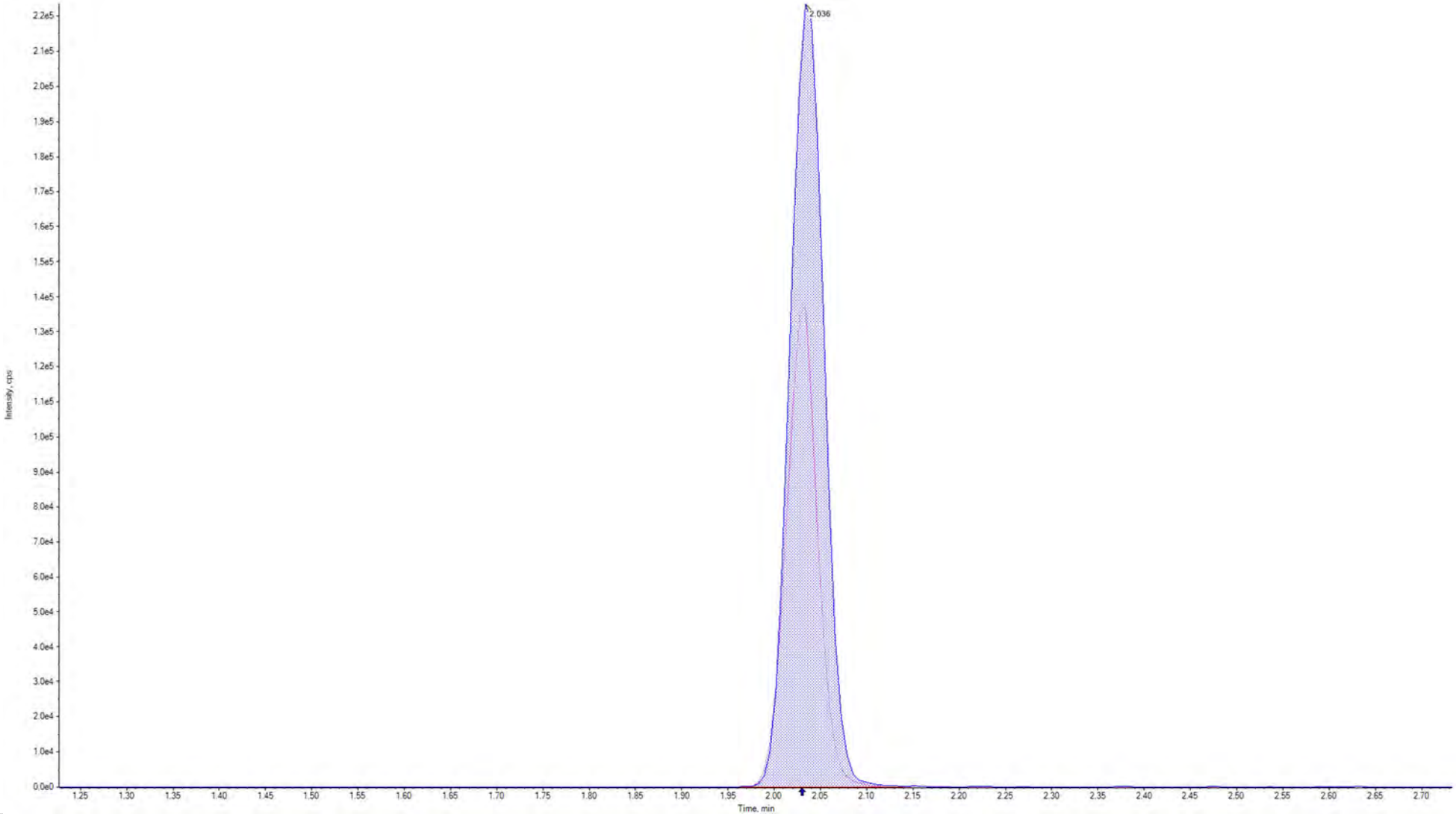
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFBS
Sample: IA1633STD-12.5 S/N:8387.5 Points Across peak:35



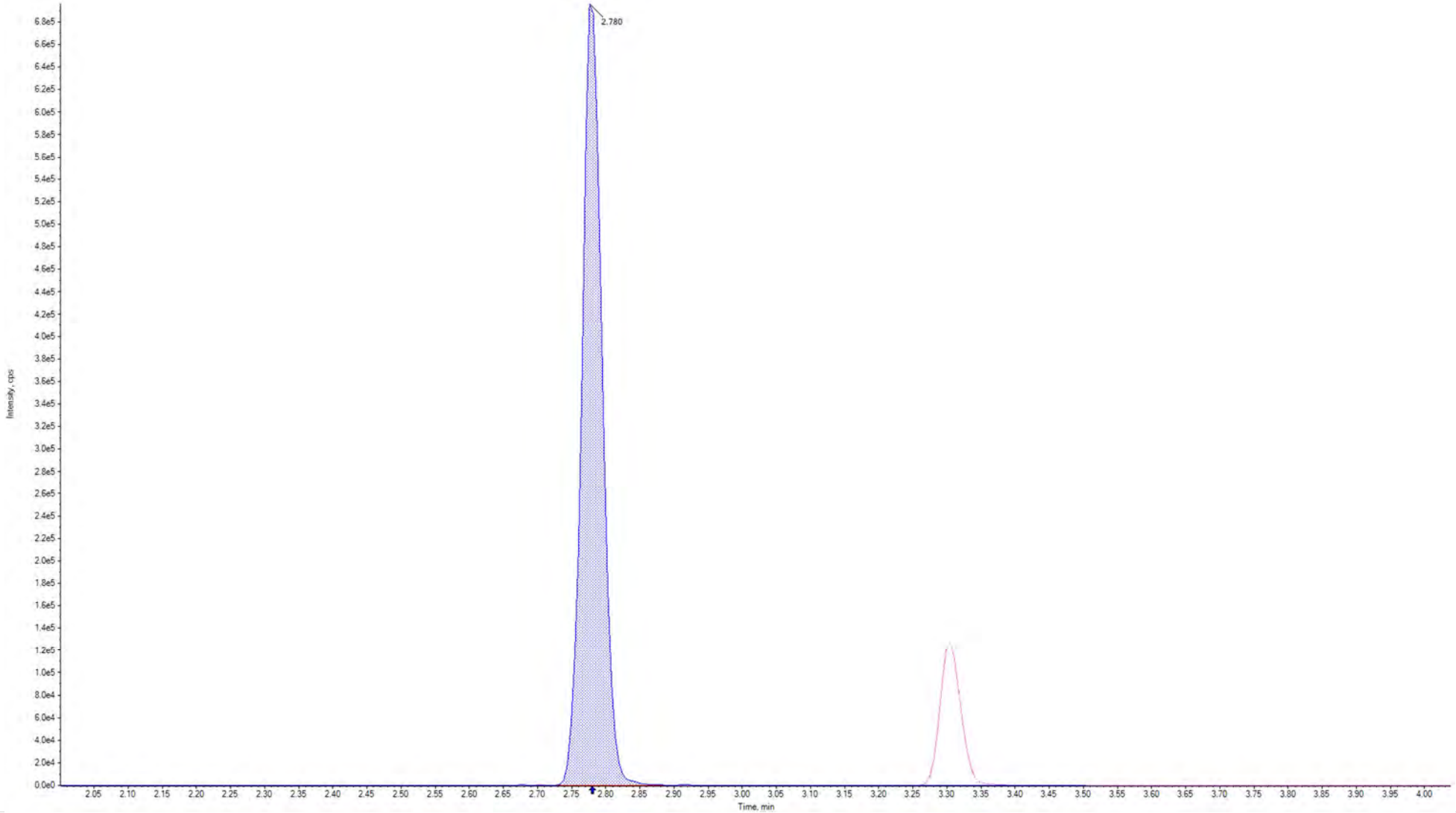
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFBS_2
Sample: IA1633STD-12.5 S/N:4480.3 Points Across peak:33



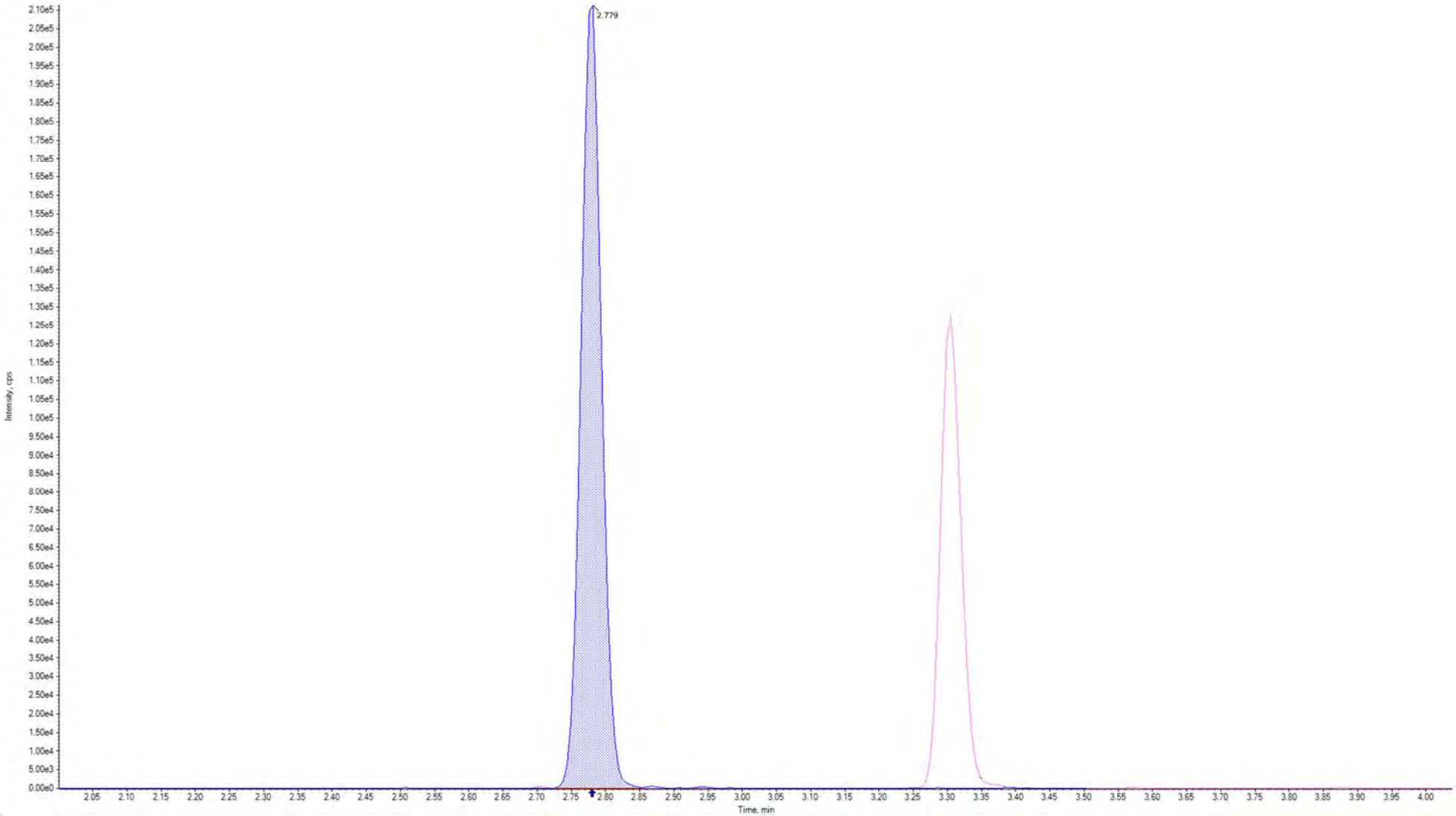
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFPeS
Sample: IA1633STD-12.5 S/N:10422.1 Points Across peak:35



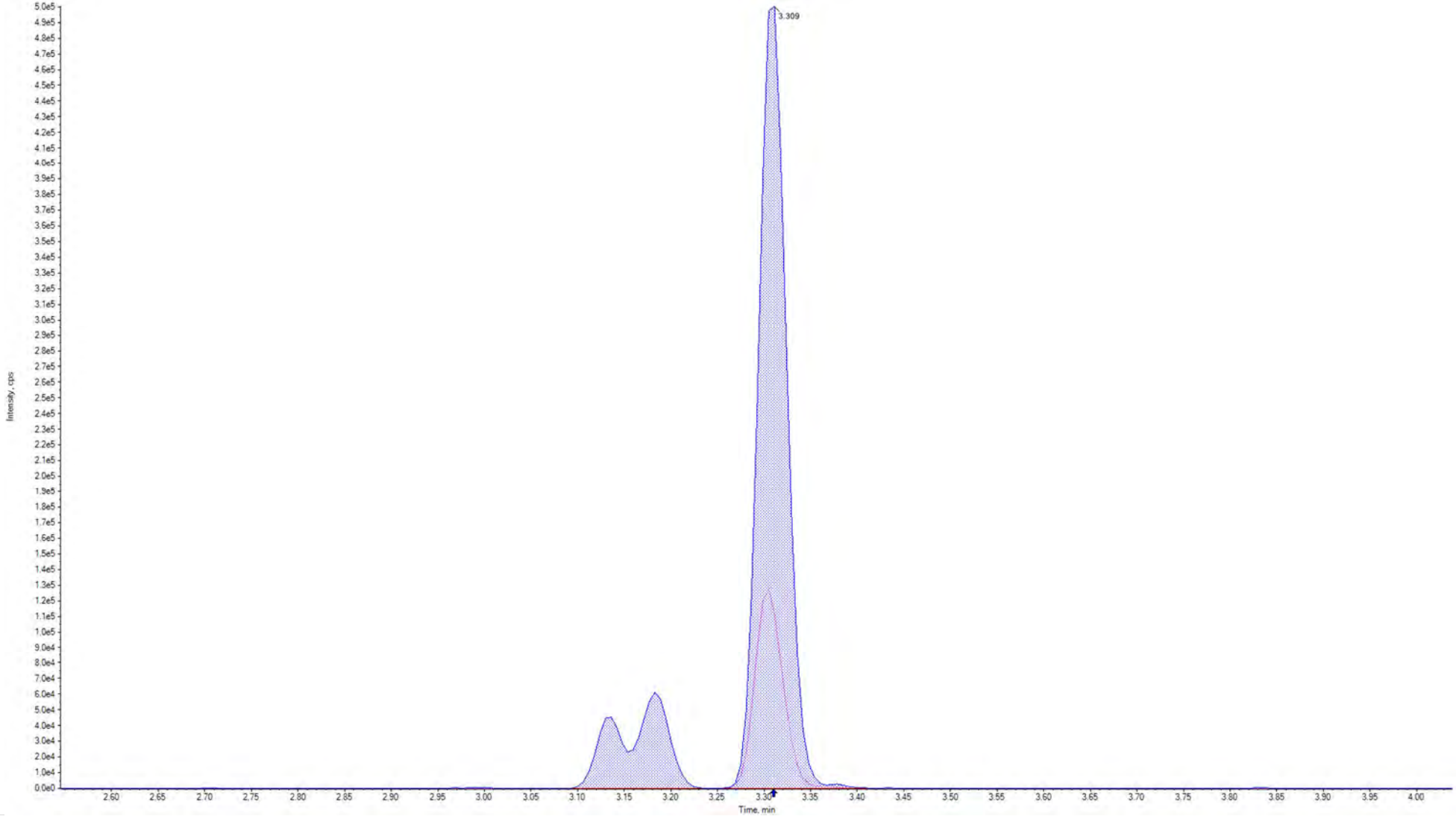
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFPeS_2
Sample: IA1633STD-12.5 S/N:3176.2 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\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFHxS
Sample: IA1633STD-12.5 S/N:2251.9 Points Across peak:57



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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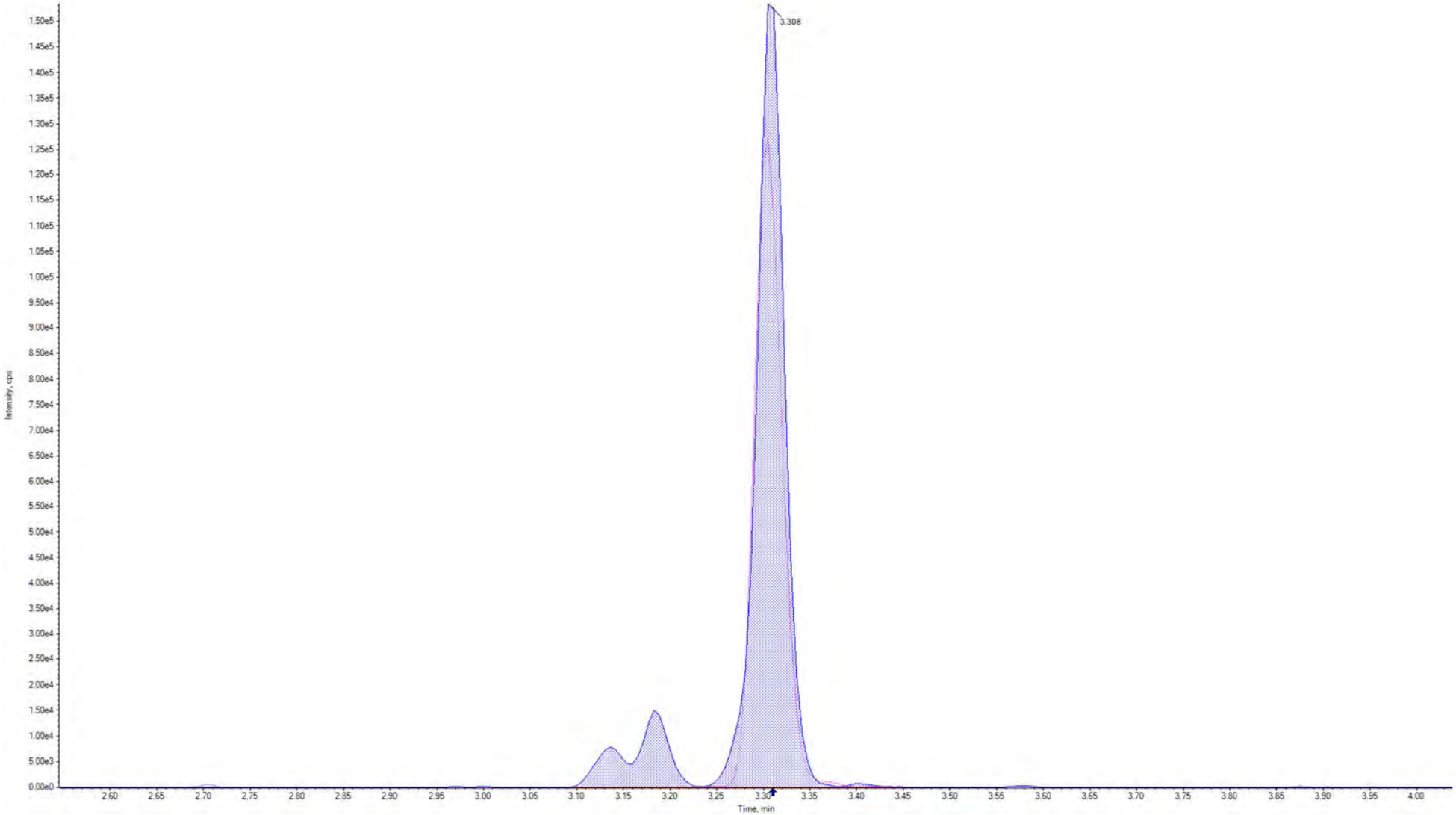
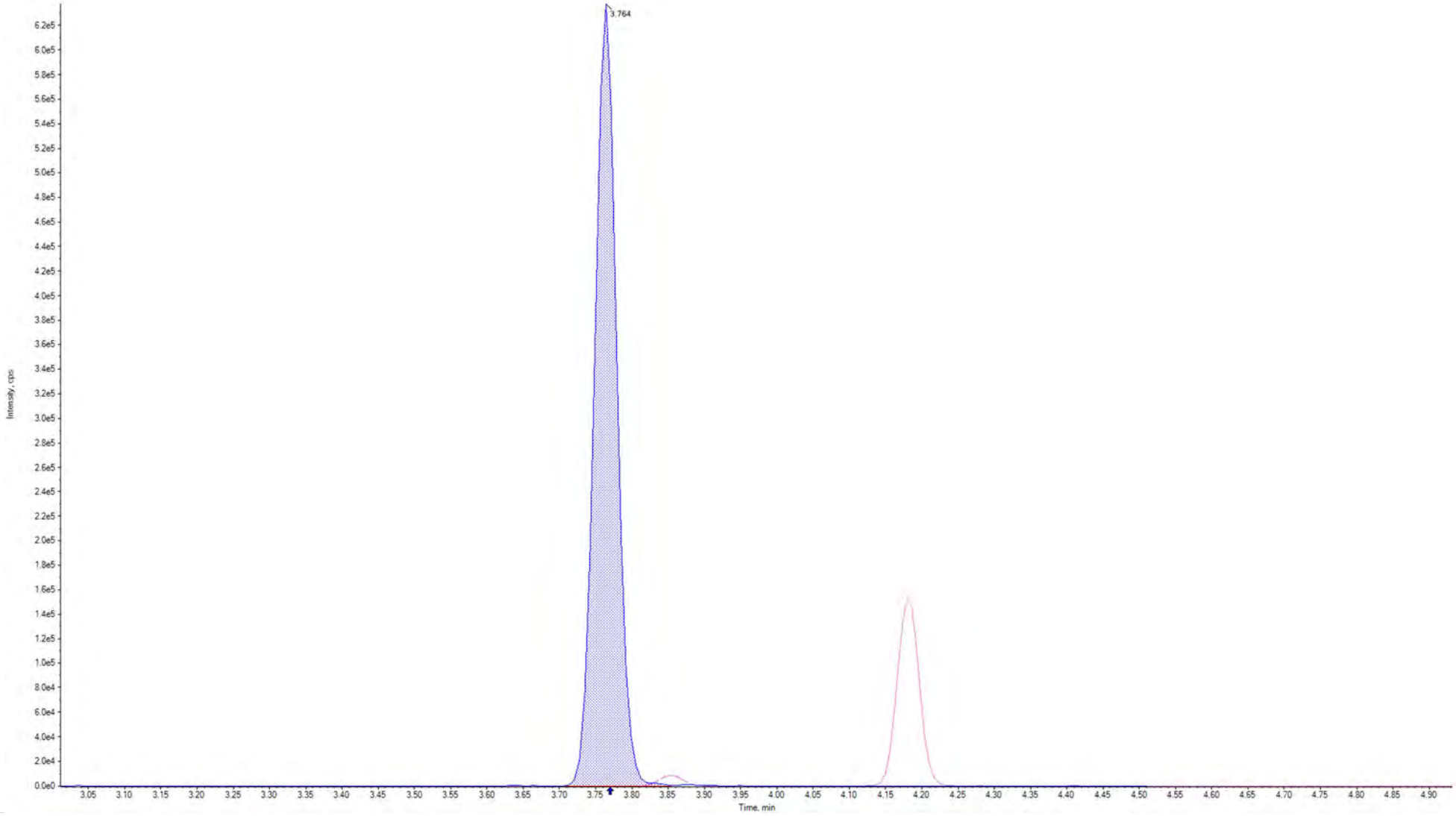
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFHxS_2
Sample: IA1633STD-12.5 S/N:1675.2 Points Across peak:73



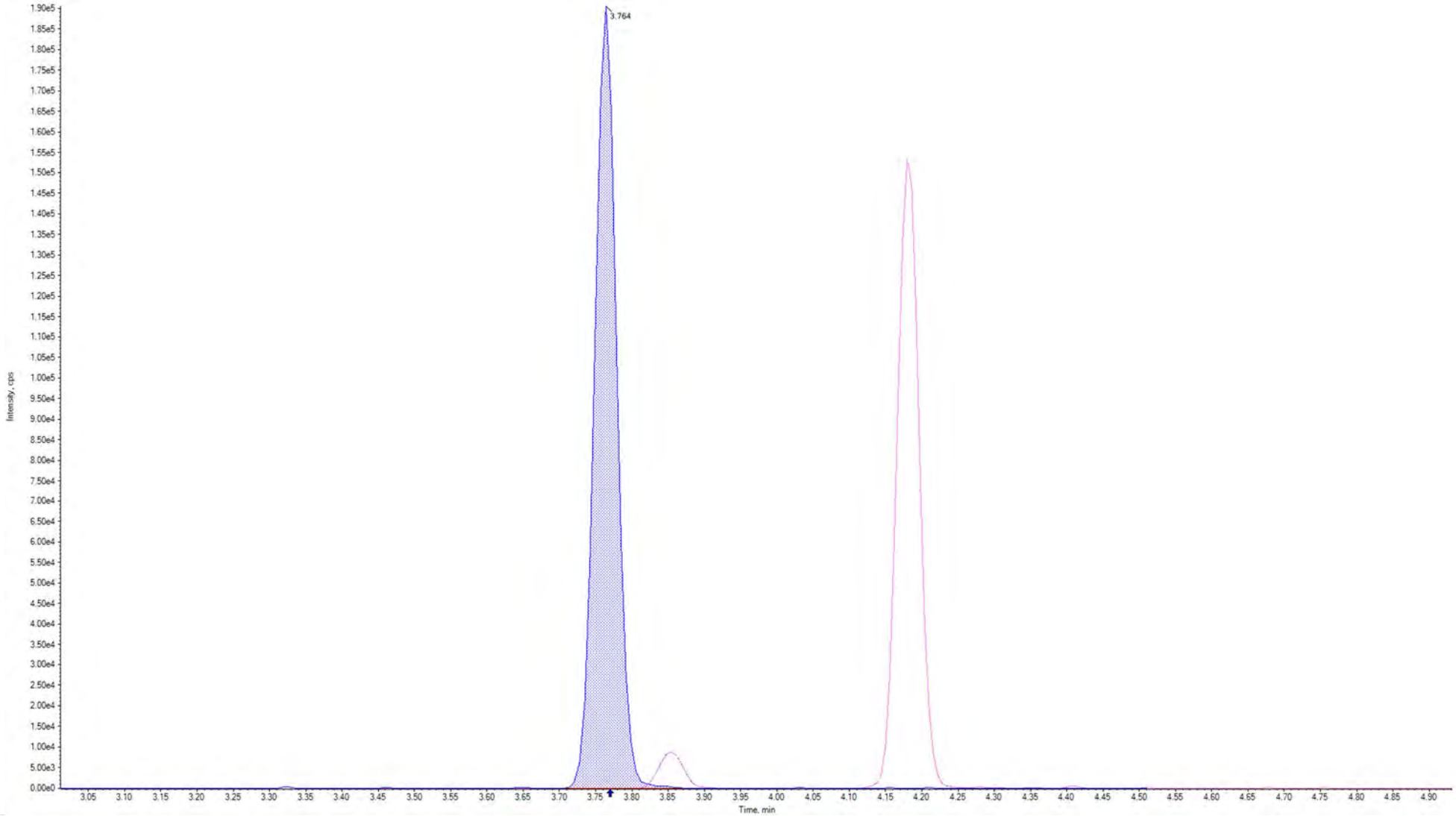
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFHpS
Sample: IA1633STD-12.5 S/N:7987.3 Points Across peak:23



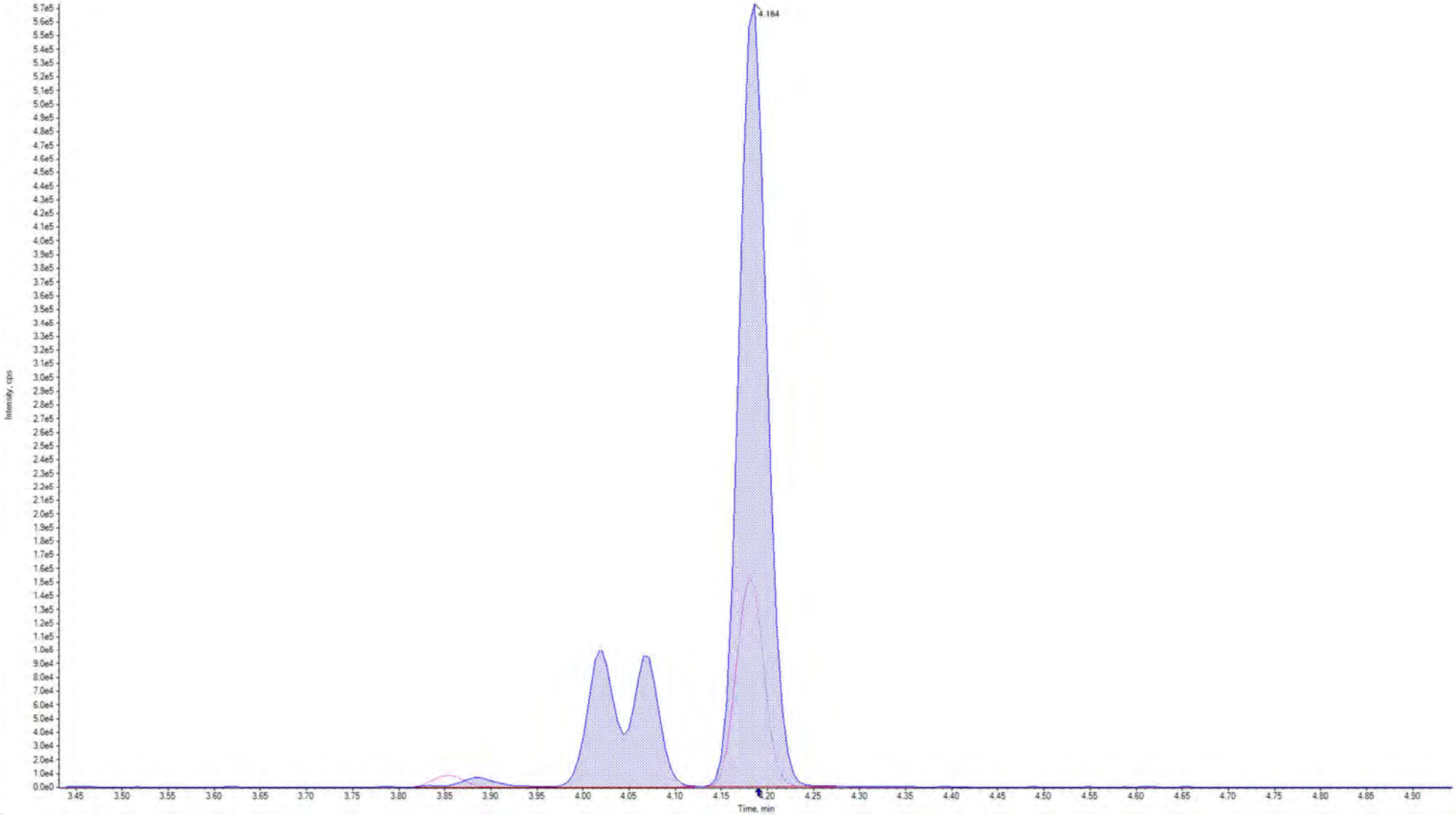
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFHpS_2
Sample: IA1633STD-12.5 S/N:2387.5 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\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFOS
Sample: IA1633STD-12.5 S/N:1132.6 Points Across peak:78



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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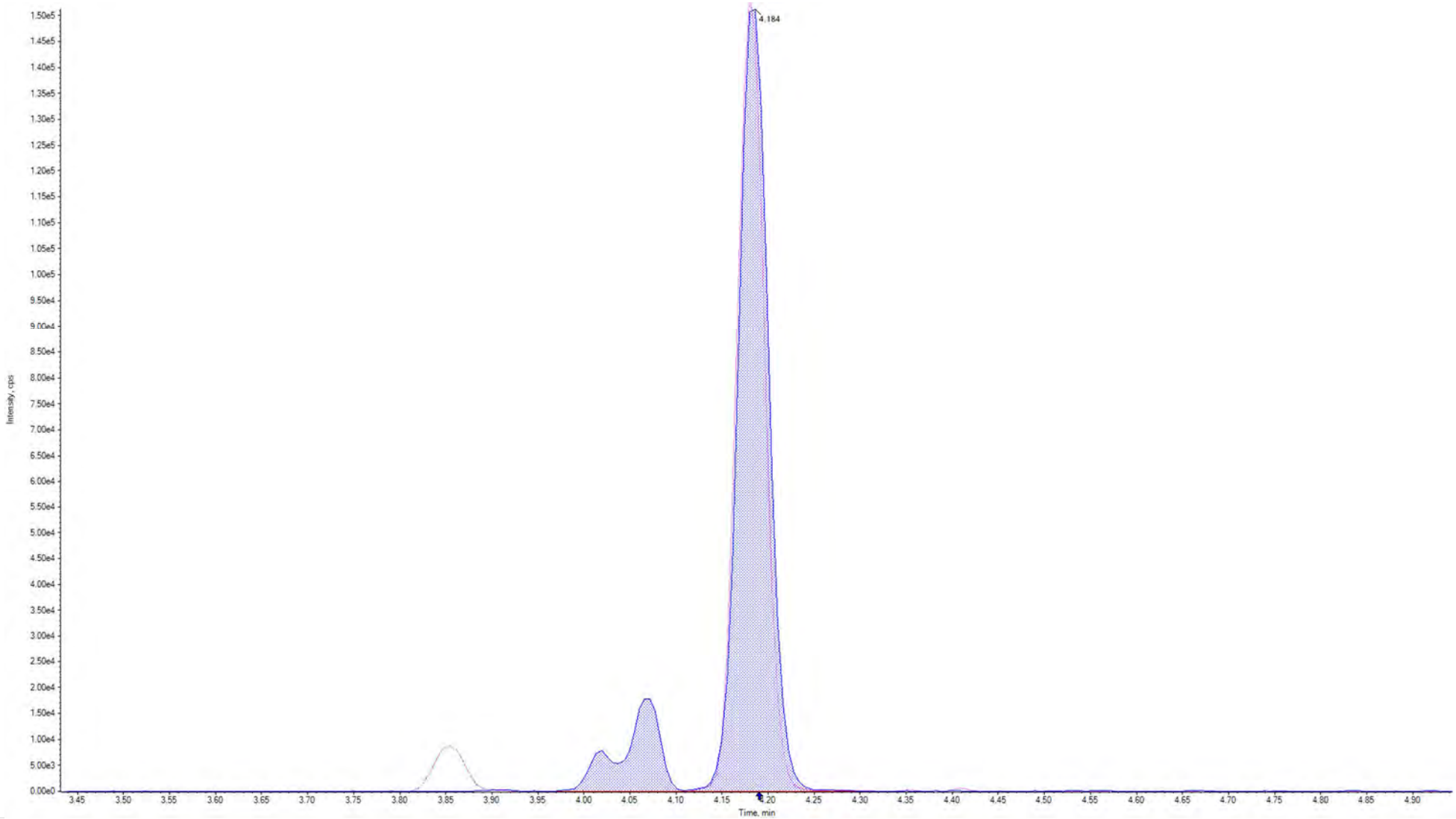
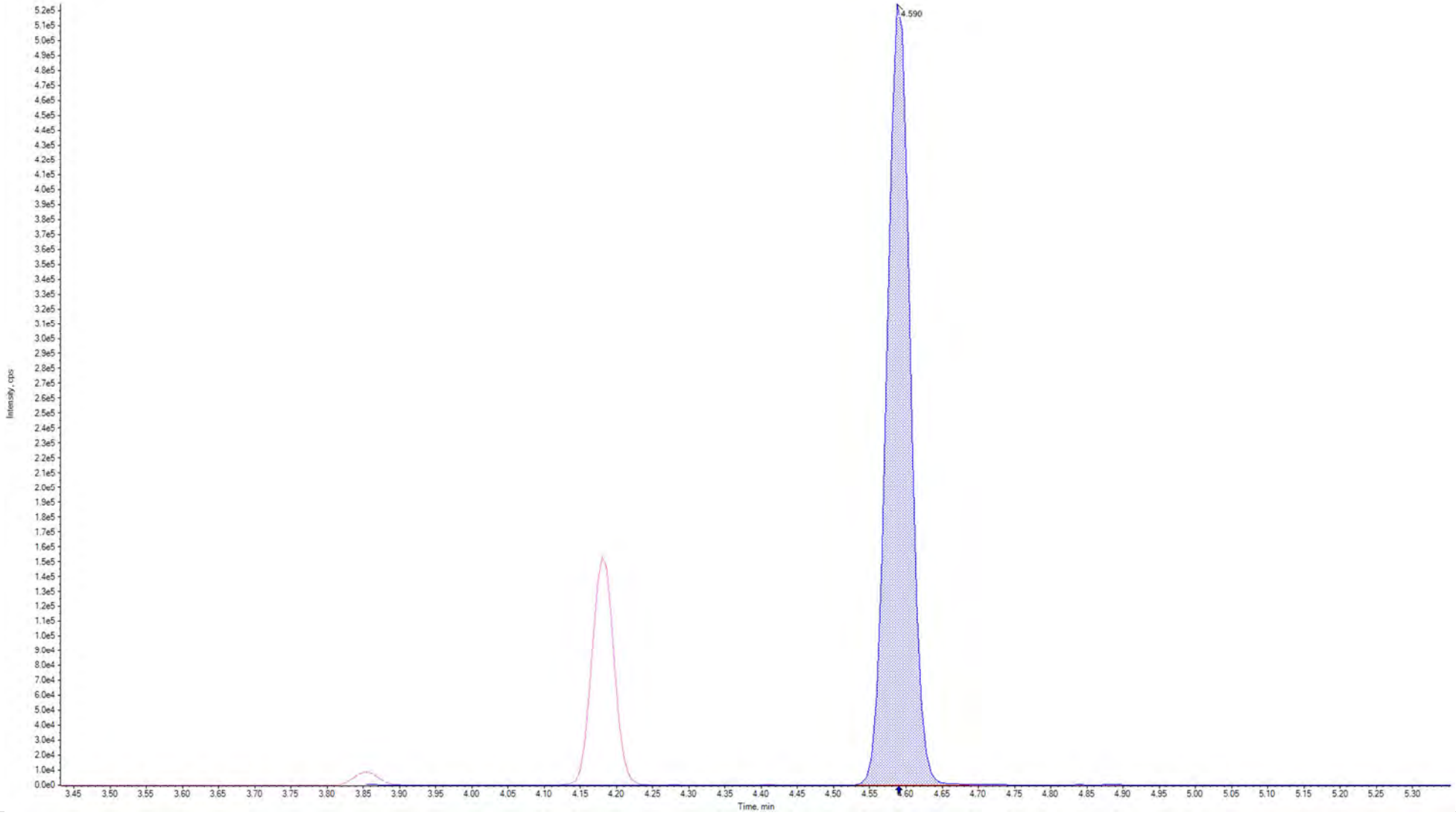
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFOS_2
Sample: IA1633STD-12.5 S/N:1342.6 Points Across peak:59



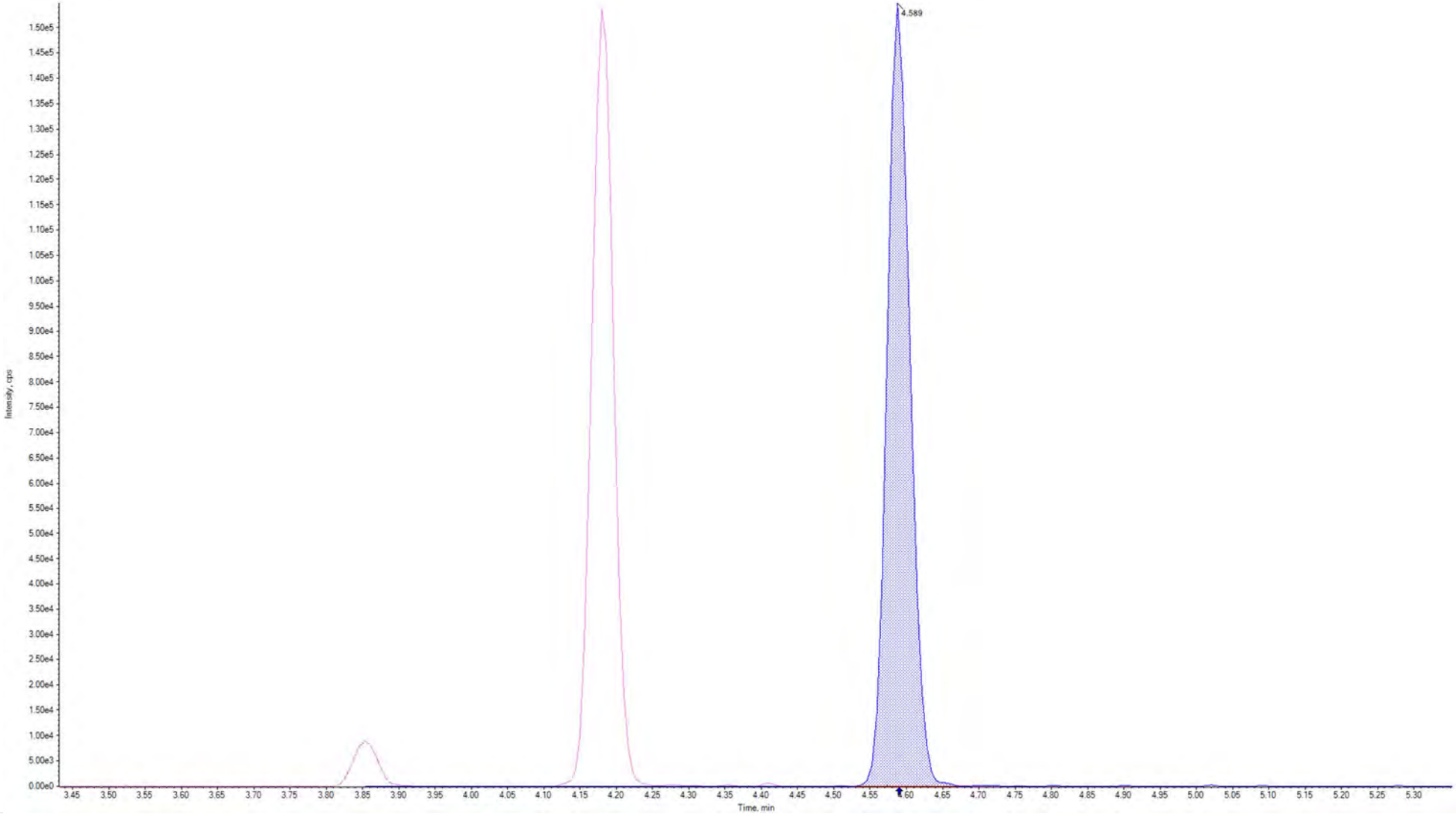
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFNS
Sample: IA1633STD-12.5 S/N:7887.4 Points Across peak:27



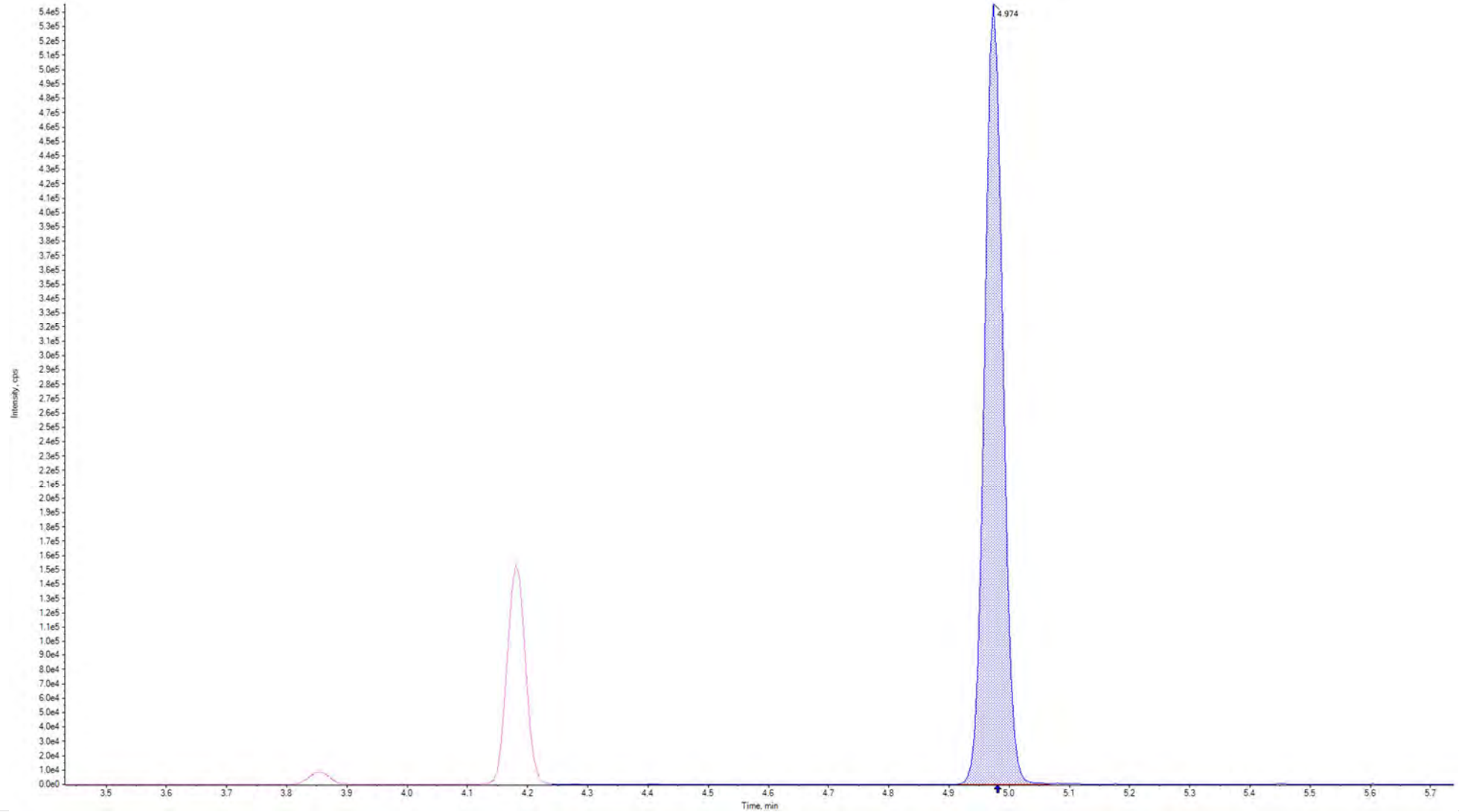
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFNS_2
Sample: IA1633STD-12.5 S/N:2327.8 Points Across peak:30



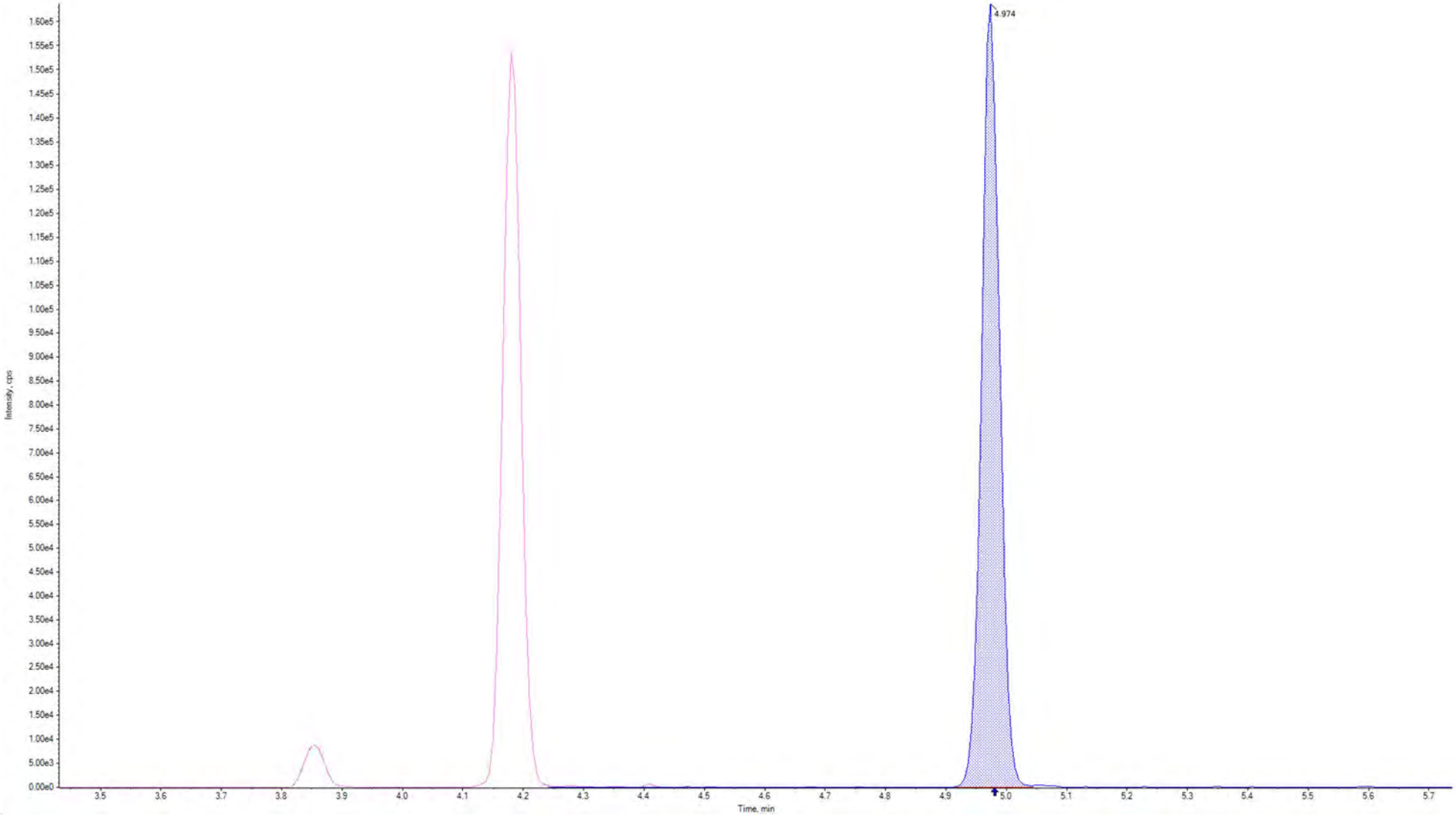
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFDS
Sample: IA1633STD-12.5 S/N:9040.5 Points Across peak:34



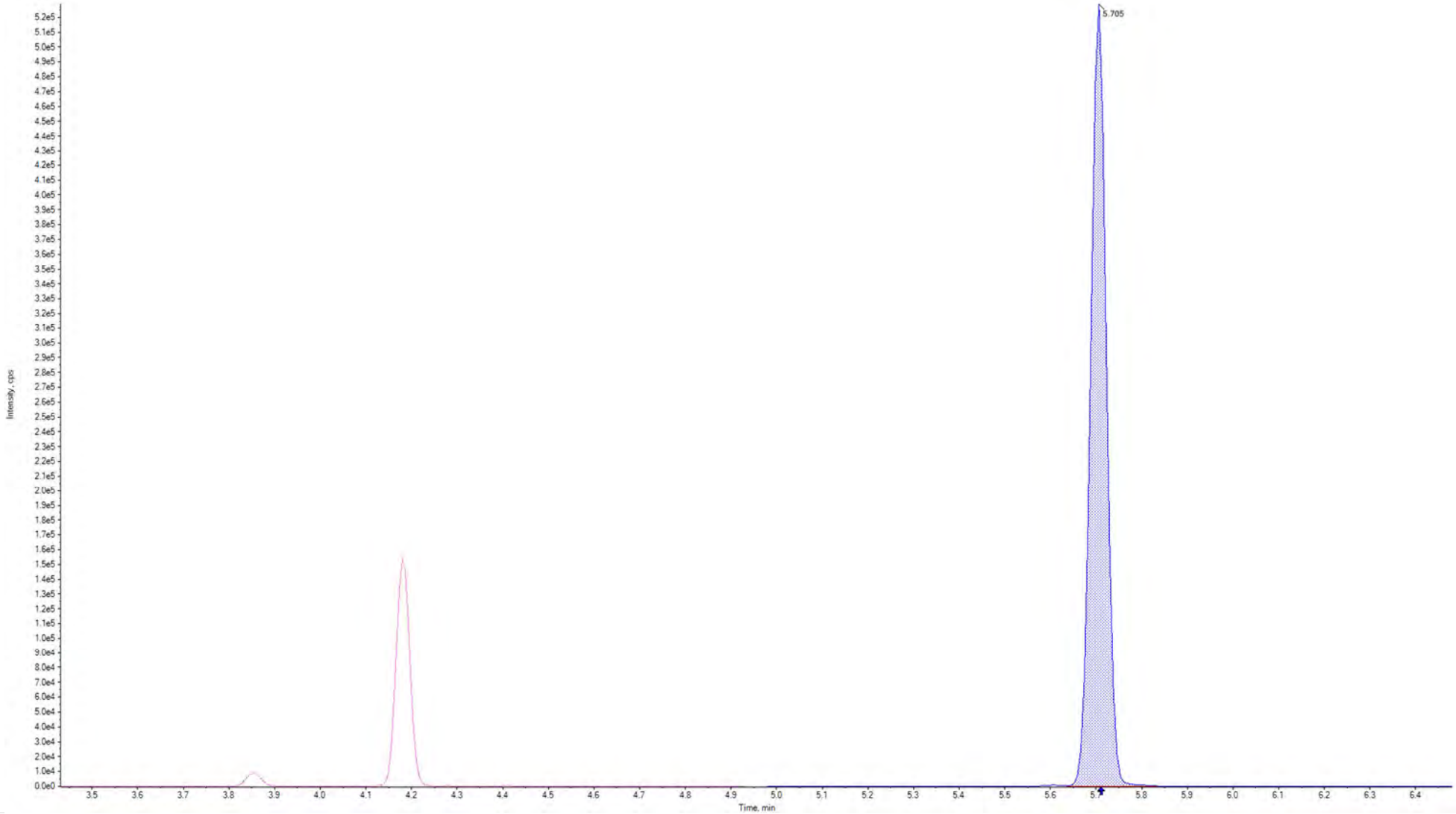
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFDS_2
Sample: IA1633STD-12.5 S/N:2871.7 Points Across peak:27



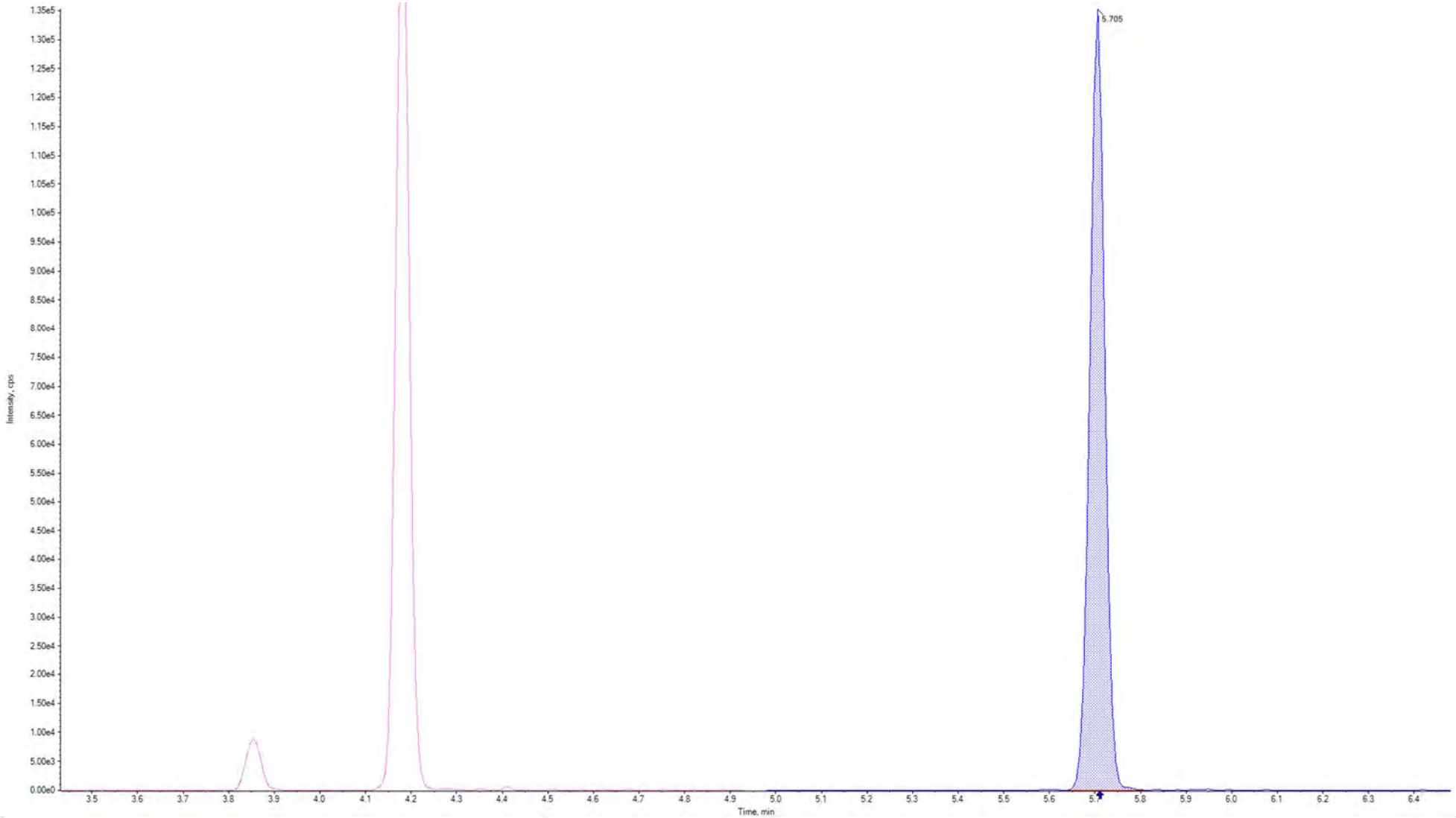
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFDoS
Sample: IA1633STD-12.5 S/N:6166.3 Points Across peak:28



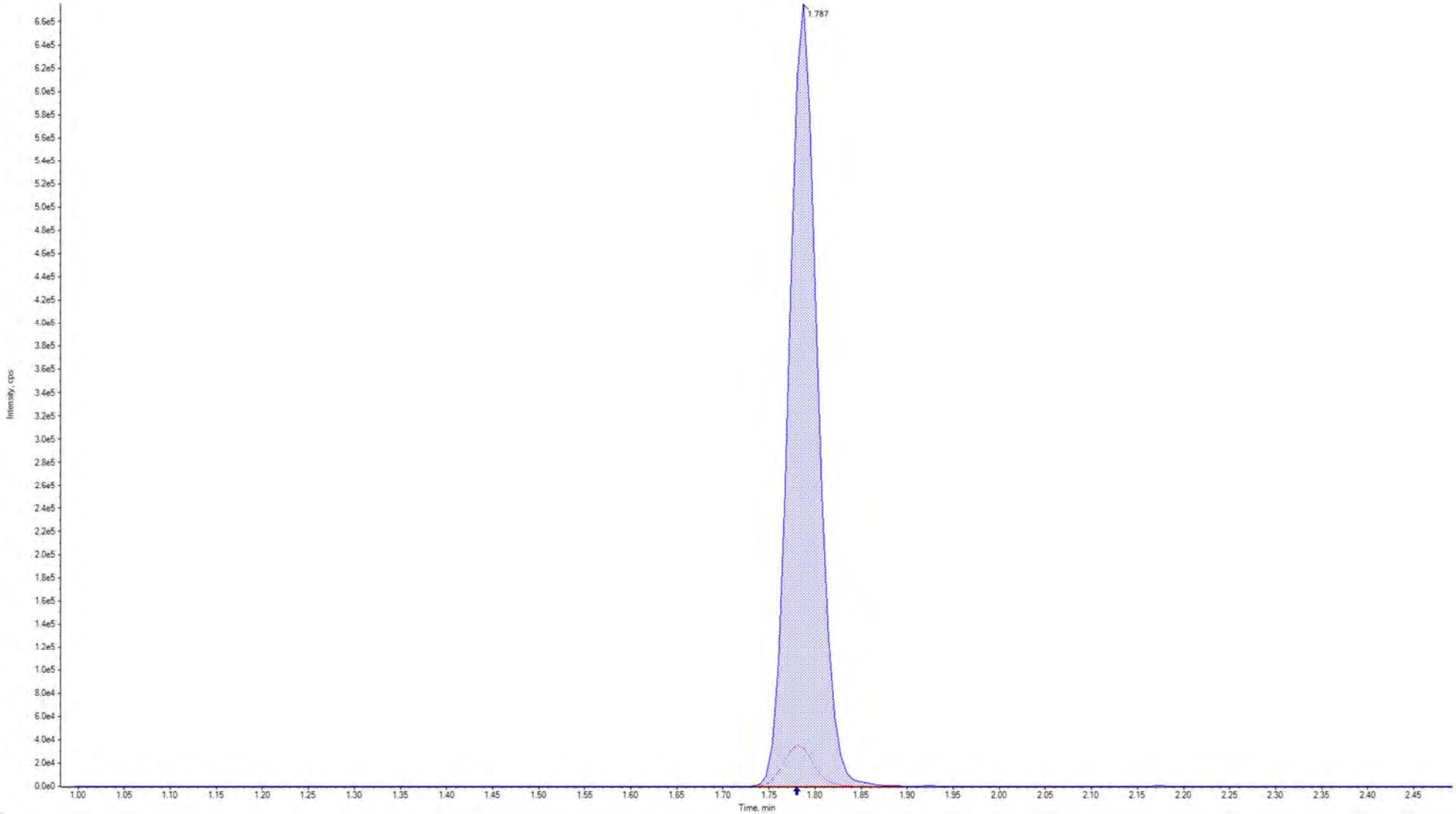
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFDoS_2
Sample: IA1633STD-12.5 S/N:4406.5 Points Across peak:24



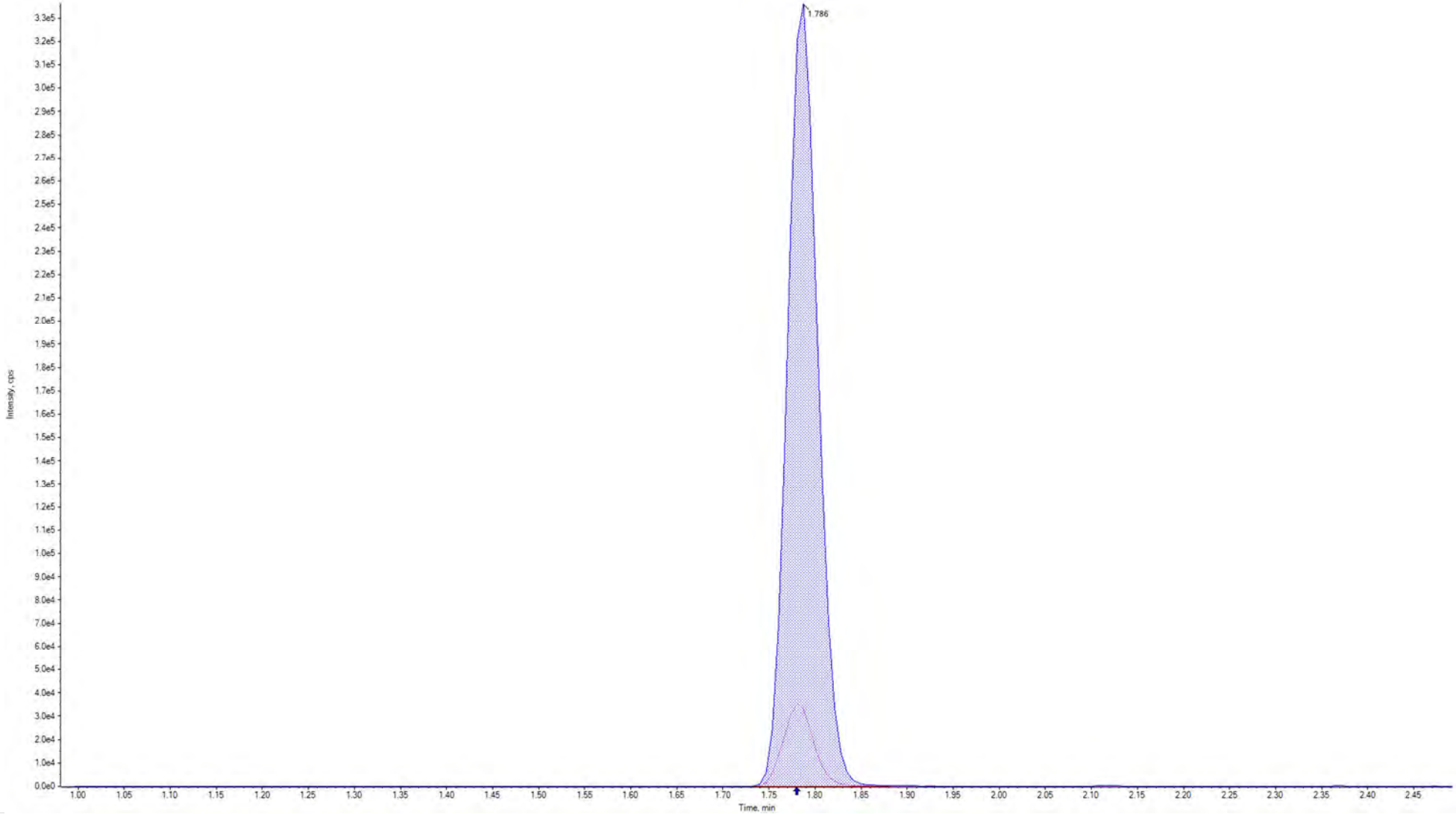
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

4:2FTS
Sample: IA1633STD-12.5 S/N:10936.3 Points Across peak:28



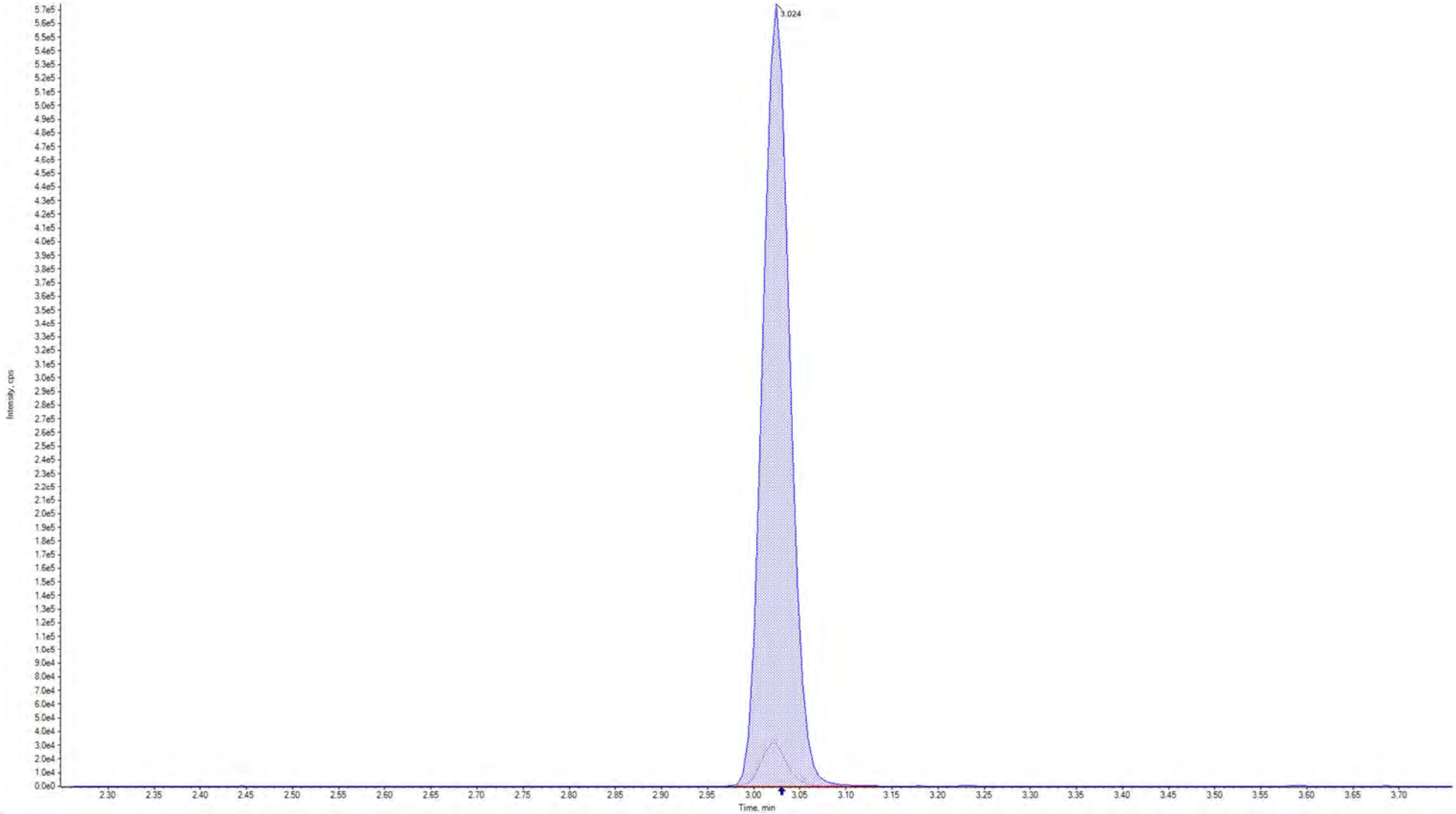
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

4:2FTS_2
Sample: IA1633STD-12.5 S/N:9263.7 Points Across peak:30



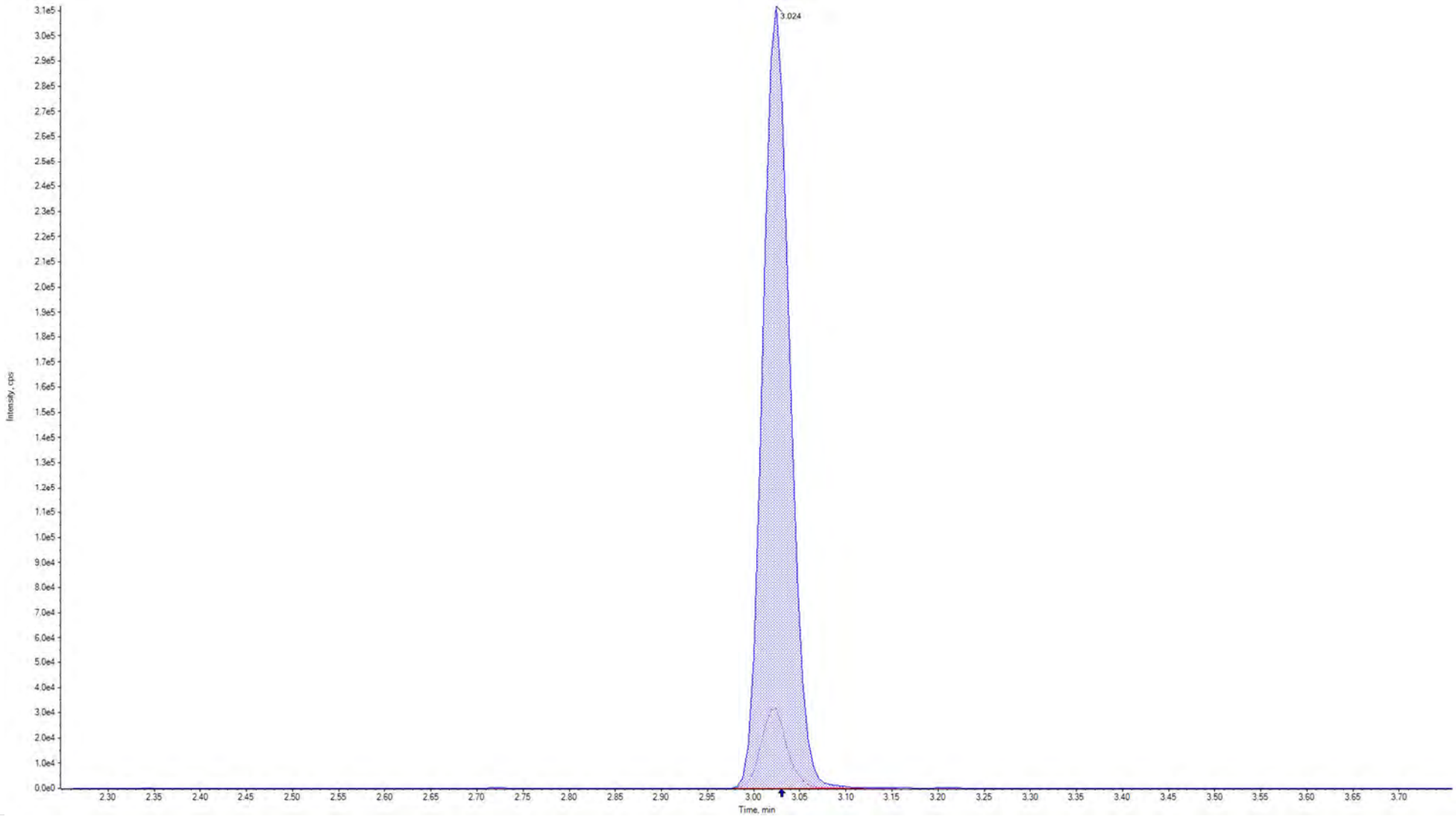
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

6:2FTS
Sample: IA1633STD-12.5 S/N:7197.1 Points Across peak:36



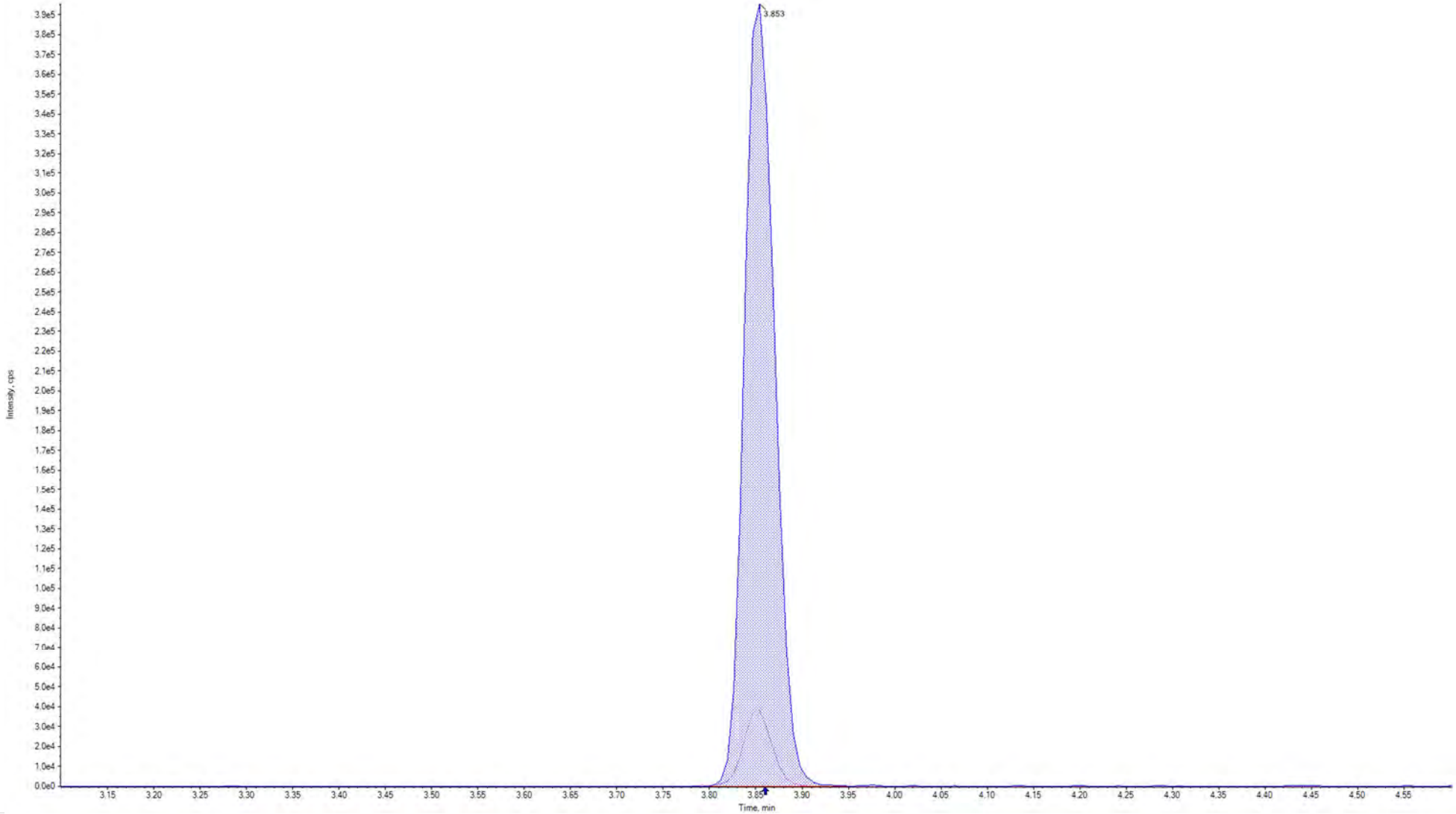
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

6:2FTS_2
Sample: IA1633STD-12.5 S/N:3906.9 Points Across peak:28



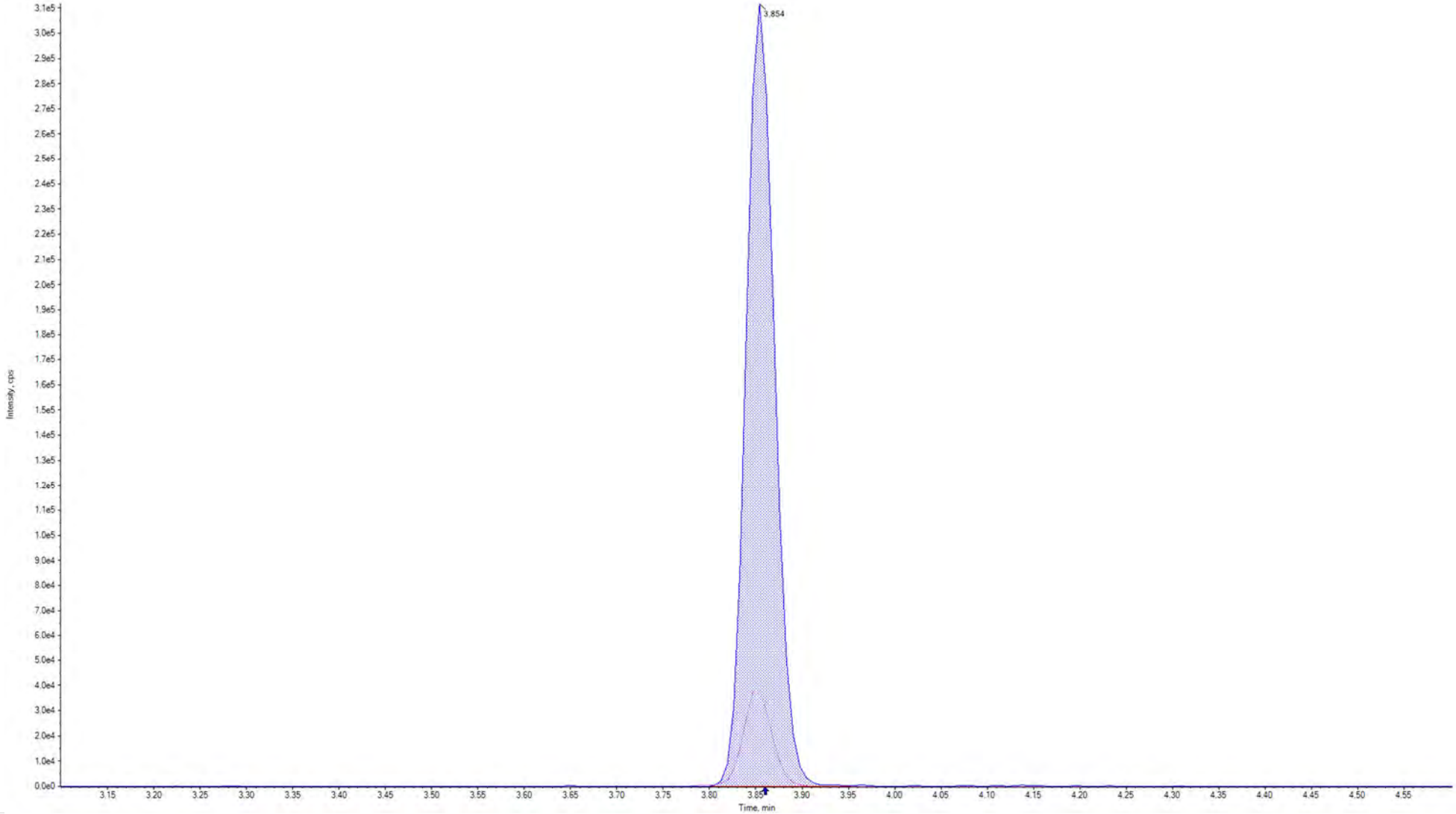
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

8:2FTS
Sample: IA1633STD-12.5 S/N:4955.9 Points Across peak:27



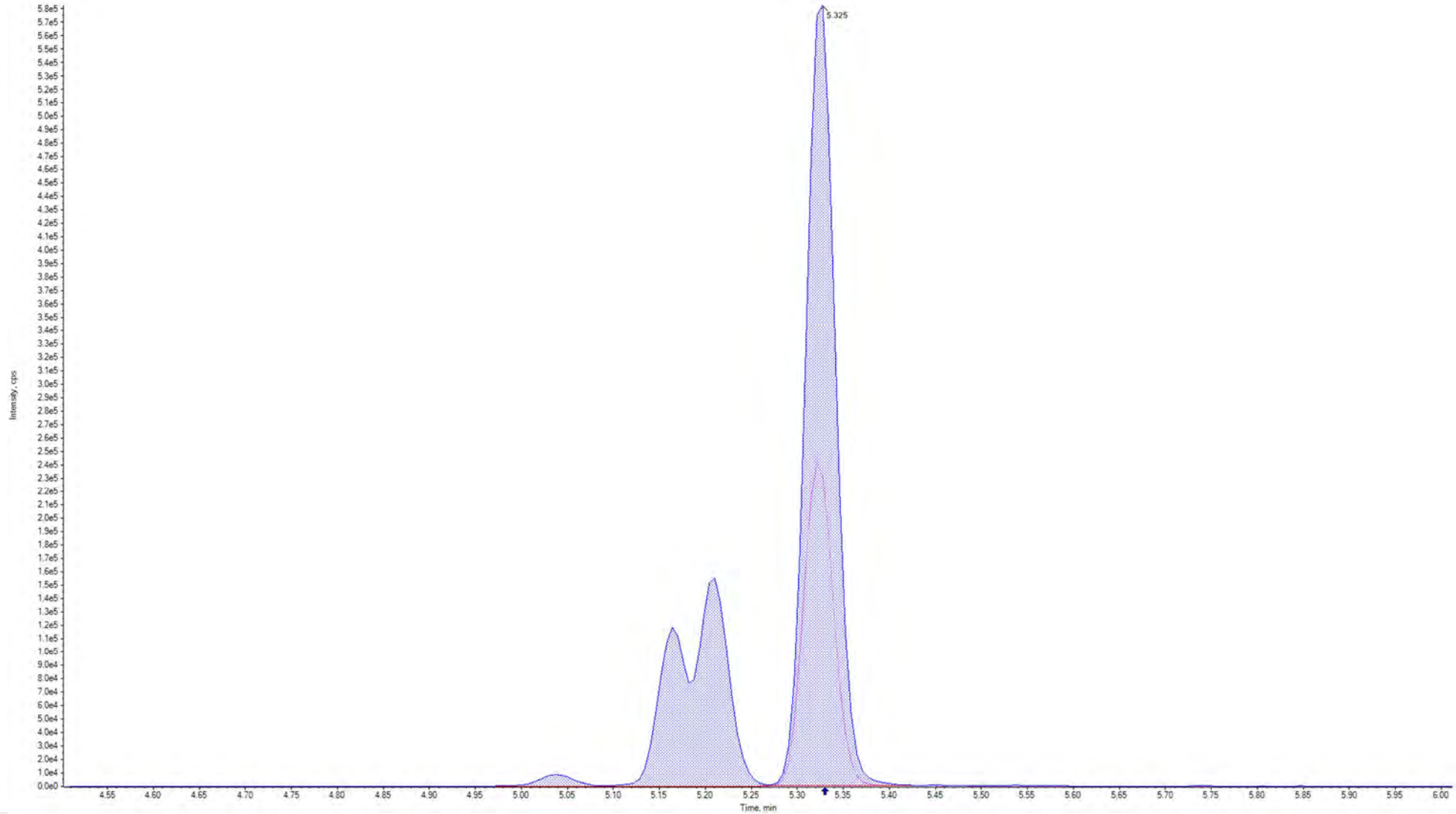
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

8:2FTS_2
Sample: IA1633STD-12.5 S/N:3905.0 Points Across peak:26



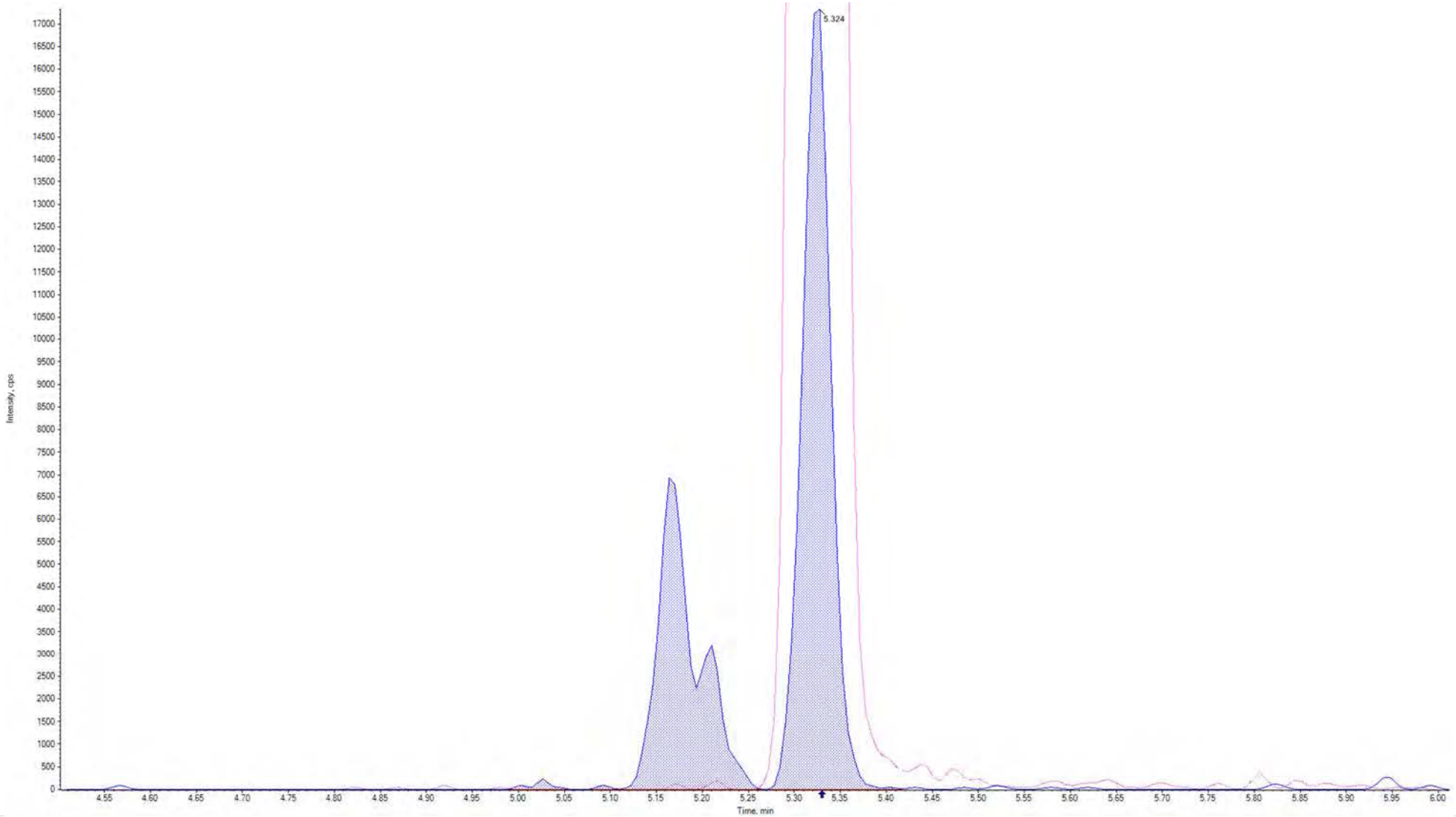
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFOSA
Sample: IA1633STD-12.5 S/N:862.8 Points Across peak:80



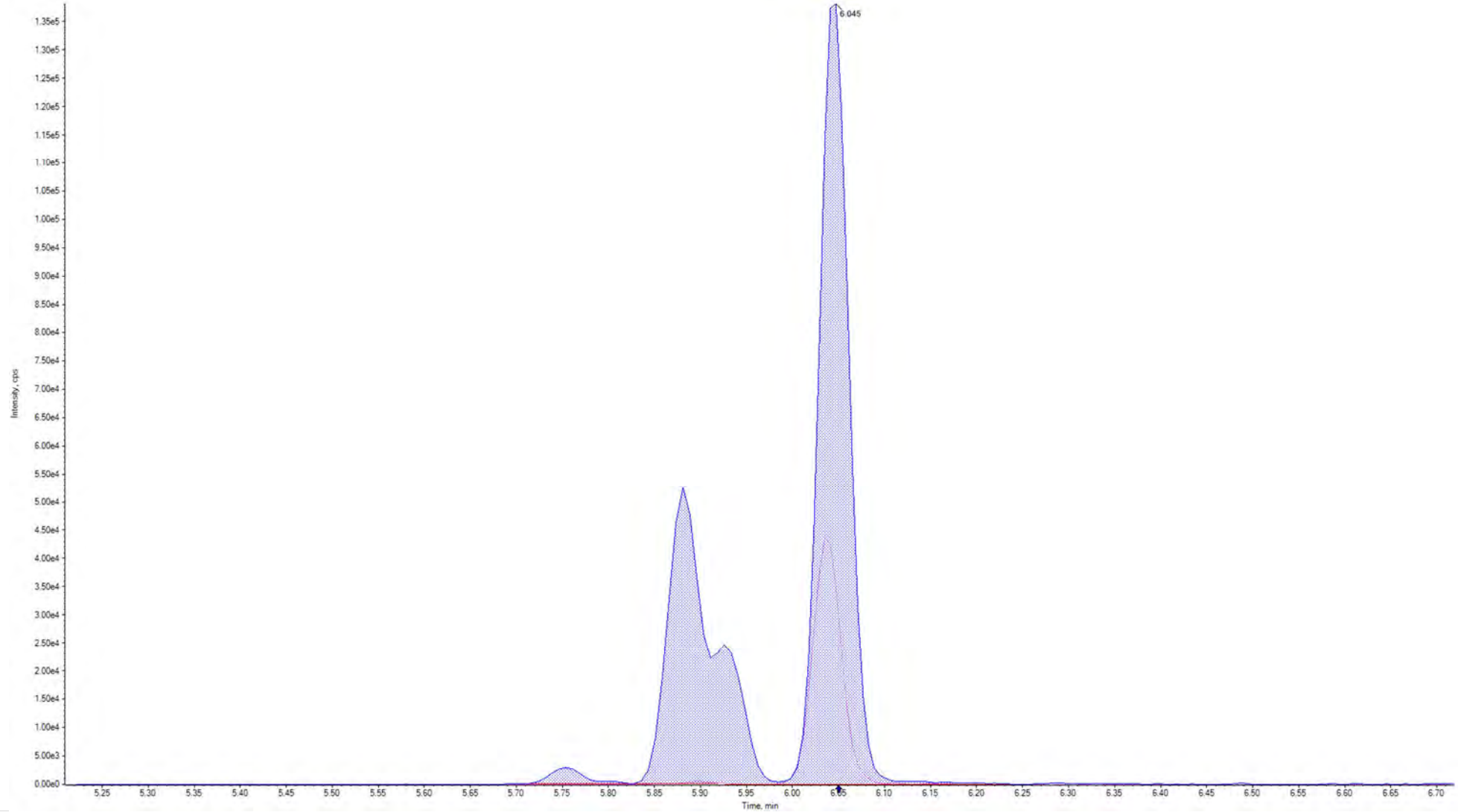
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFOSA_2
Sample: IA1633STD-12.5 S/N:390.8 Points Across peak:72



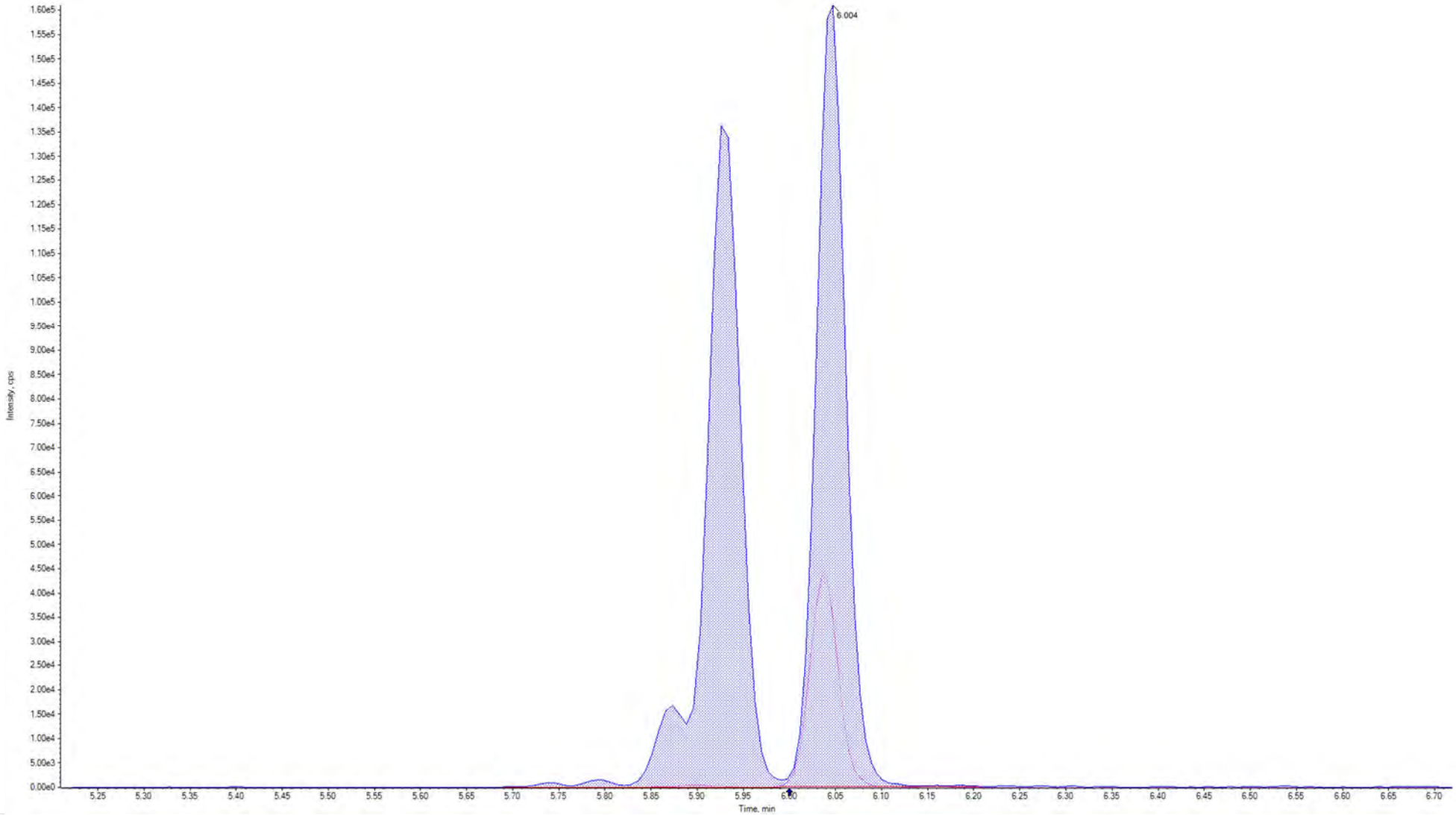
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

NMeFOSA
Sample: IA1633STD-12.5 S/N:1050.8 Points Across peak:83



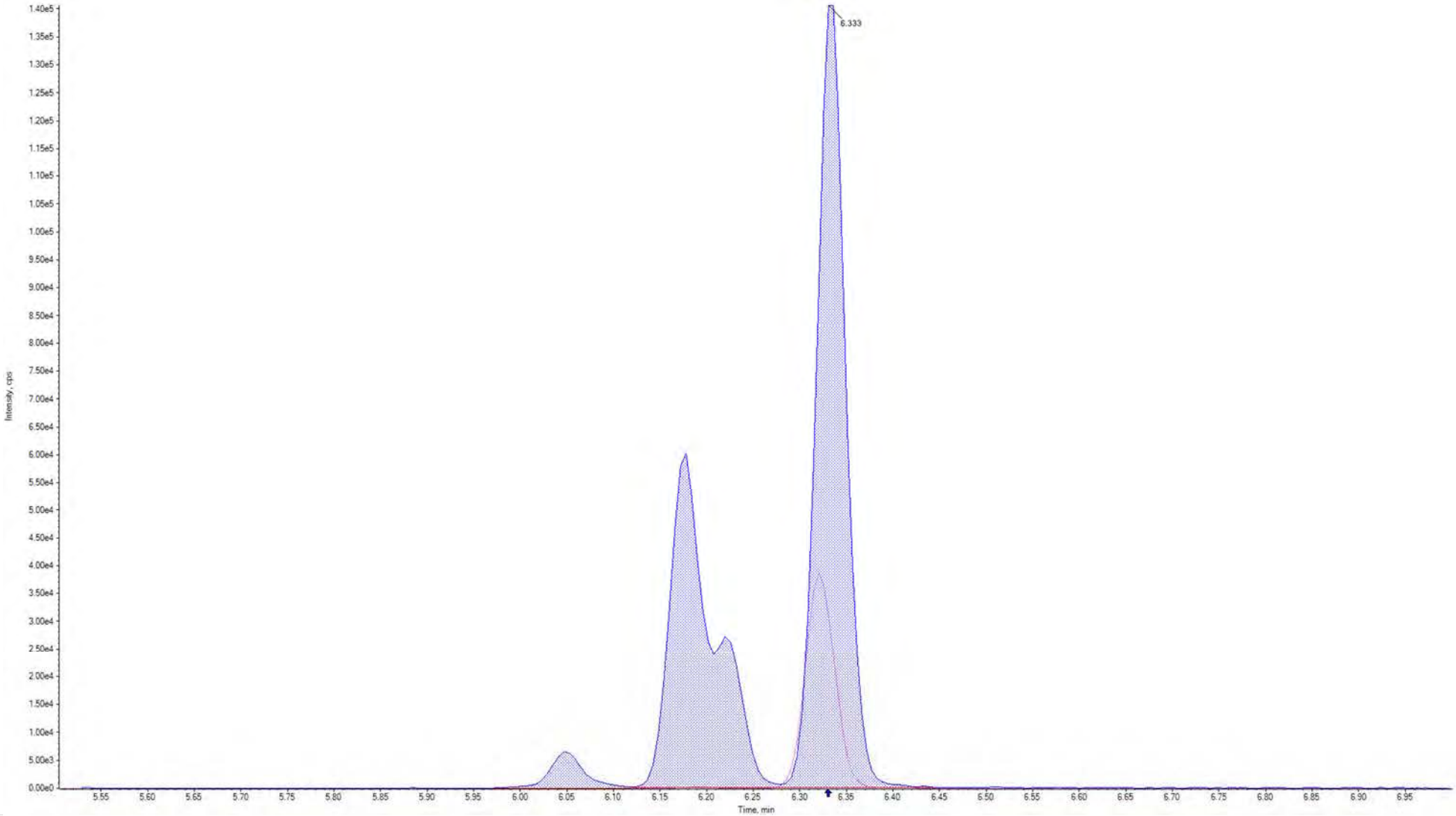
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

NMeFOSA_2
Sample: IA1633STD-12.5 S/N:942.1 Points Across peak:80



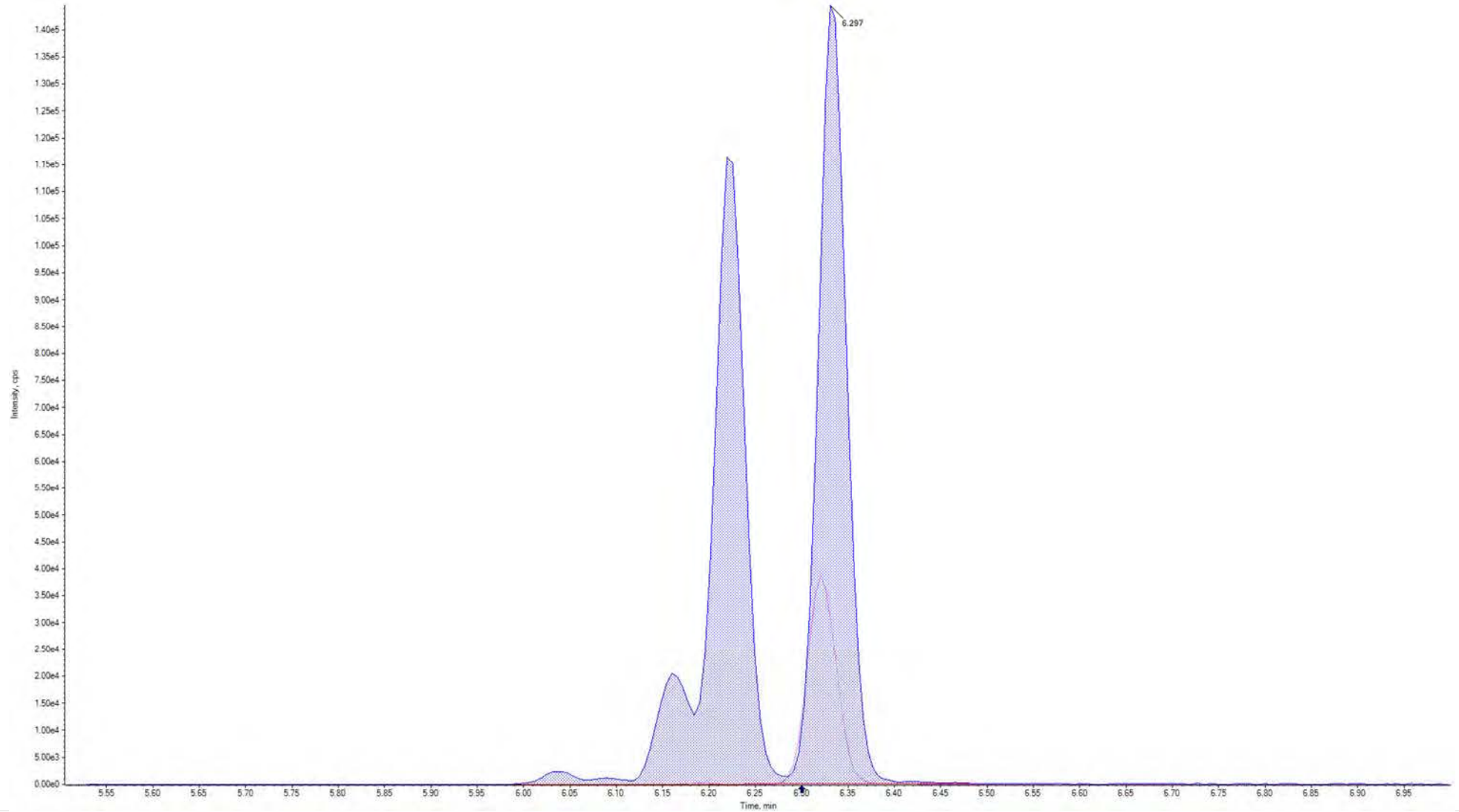
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

NEtFOSA
Sample: IA1633STD-12.5 S/N:1500.8 Points Across peak:86



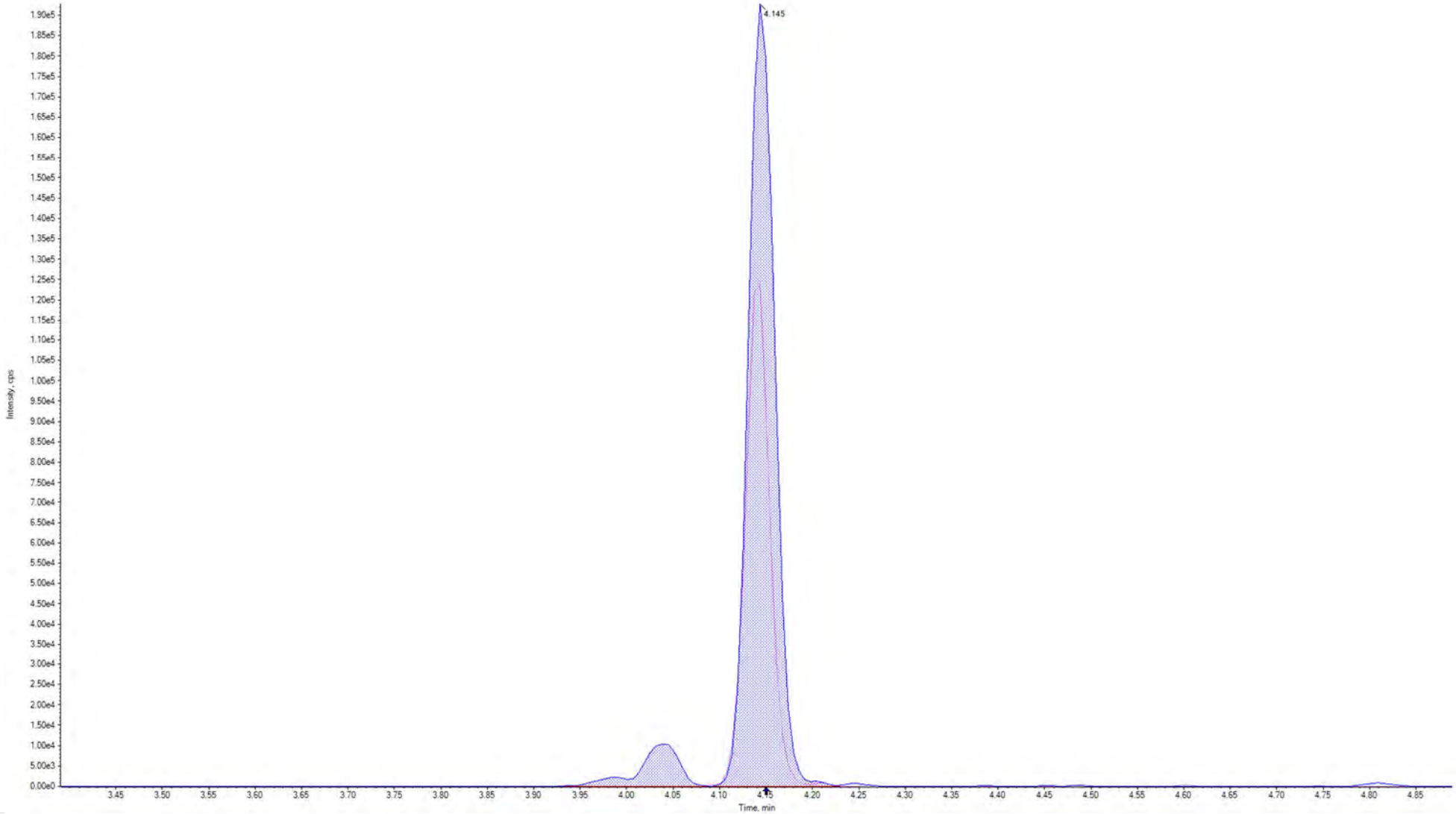
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

NEtFOSA_2
Sample: IA1633STD-12.5 S/N:1525.1 Points Across peak:94



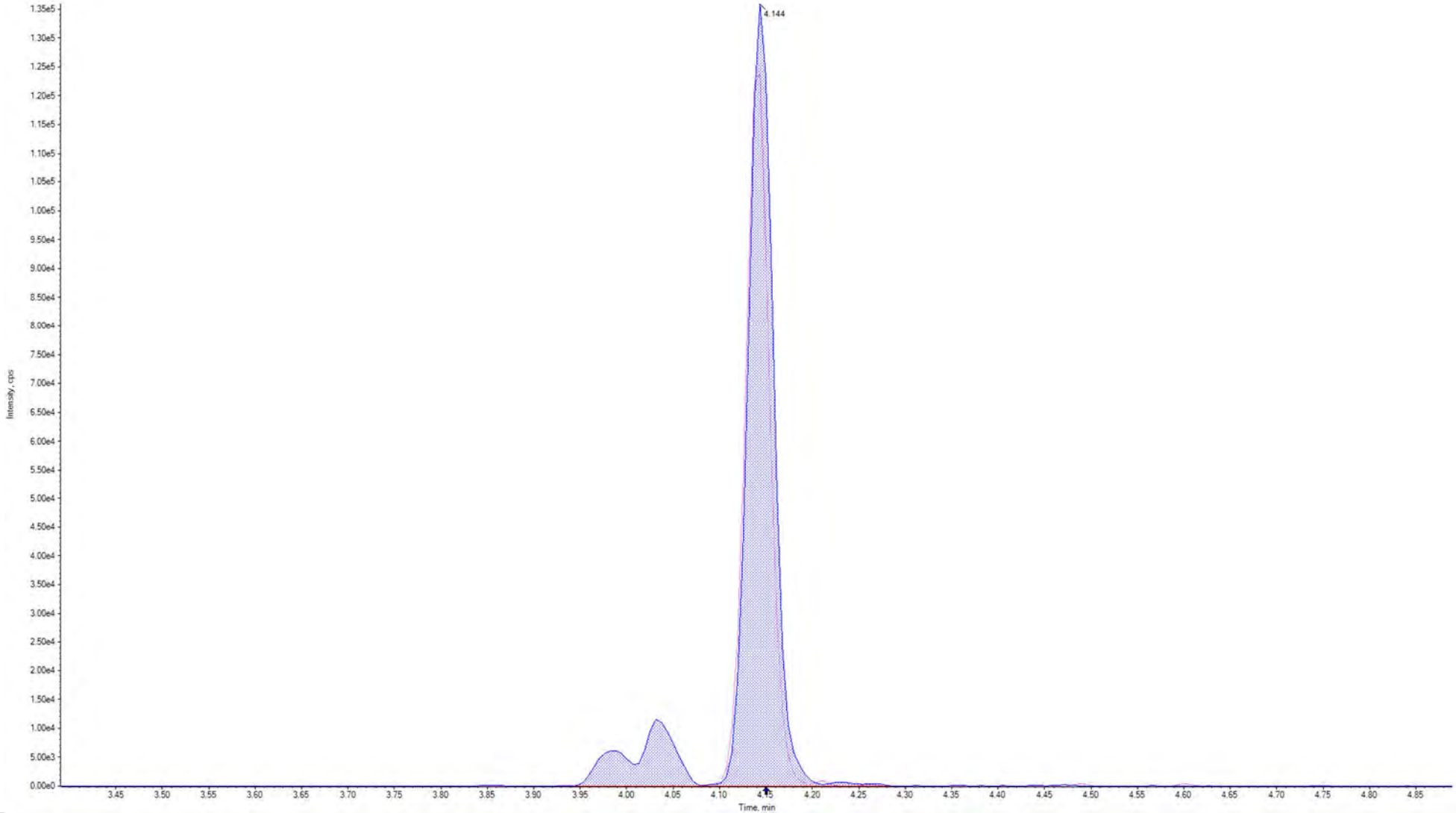
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

NMeFOSAA
Sample: IA1633STD-12.5 S/N:1583.3 Points Across peak:54



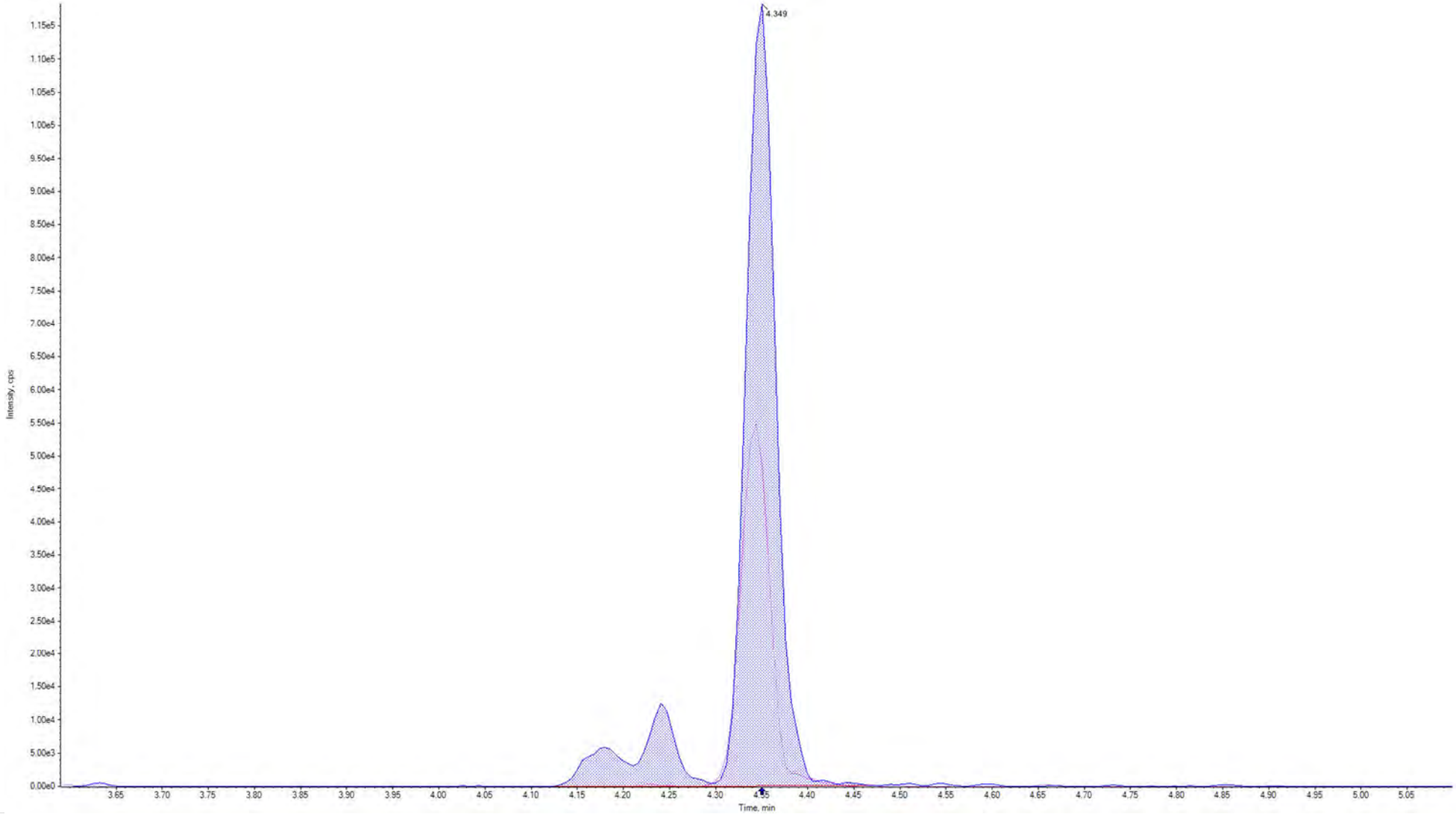
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

NMeFOSAA_2
Sample: IA1633STD-12.5 S/N:1168.1 Points Across peak:61



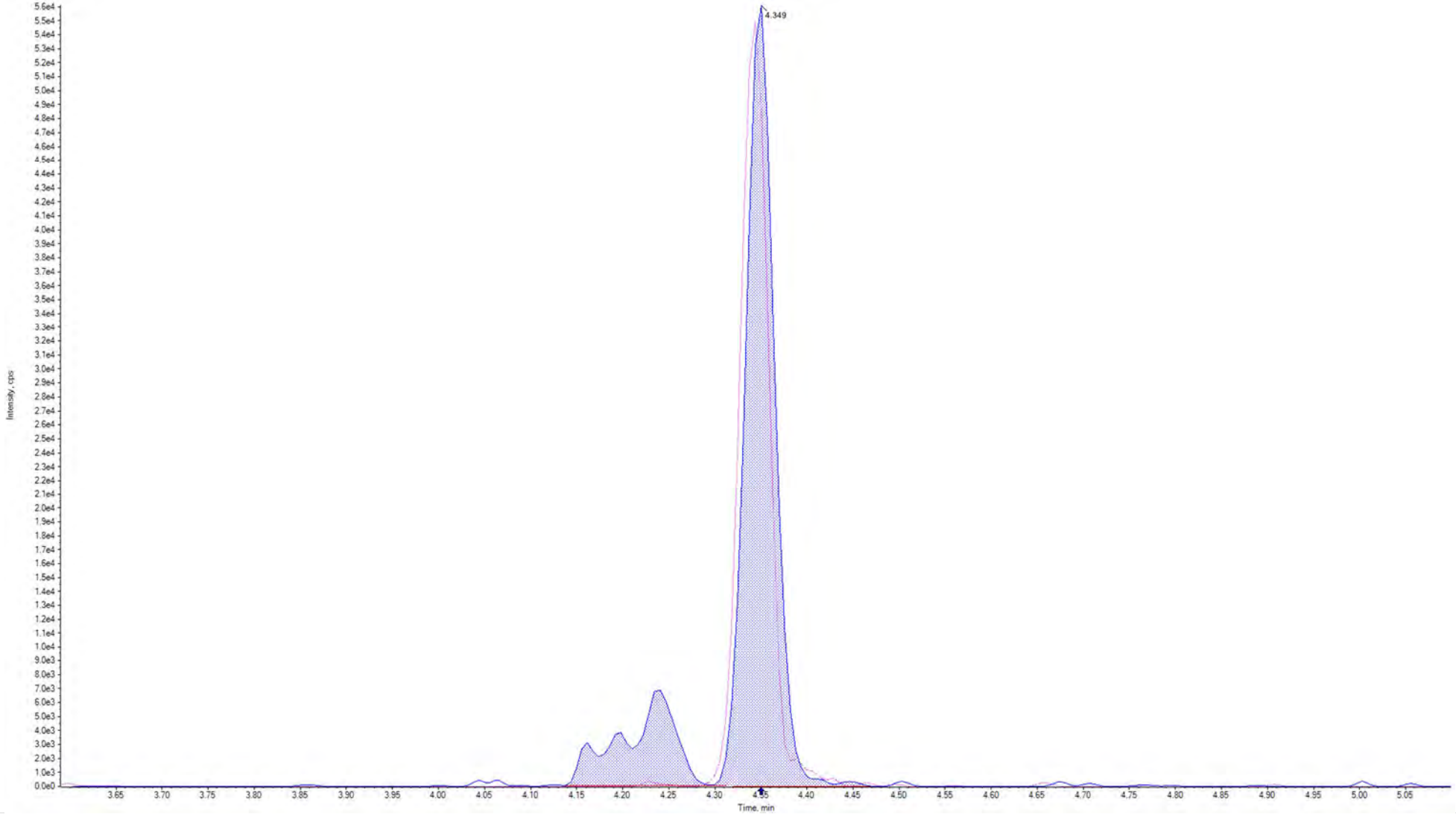
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

NEtFOSAA
Sample: IA1633STD-12.5 S/N:951.4 Points Across peak:60



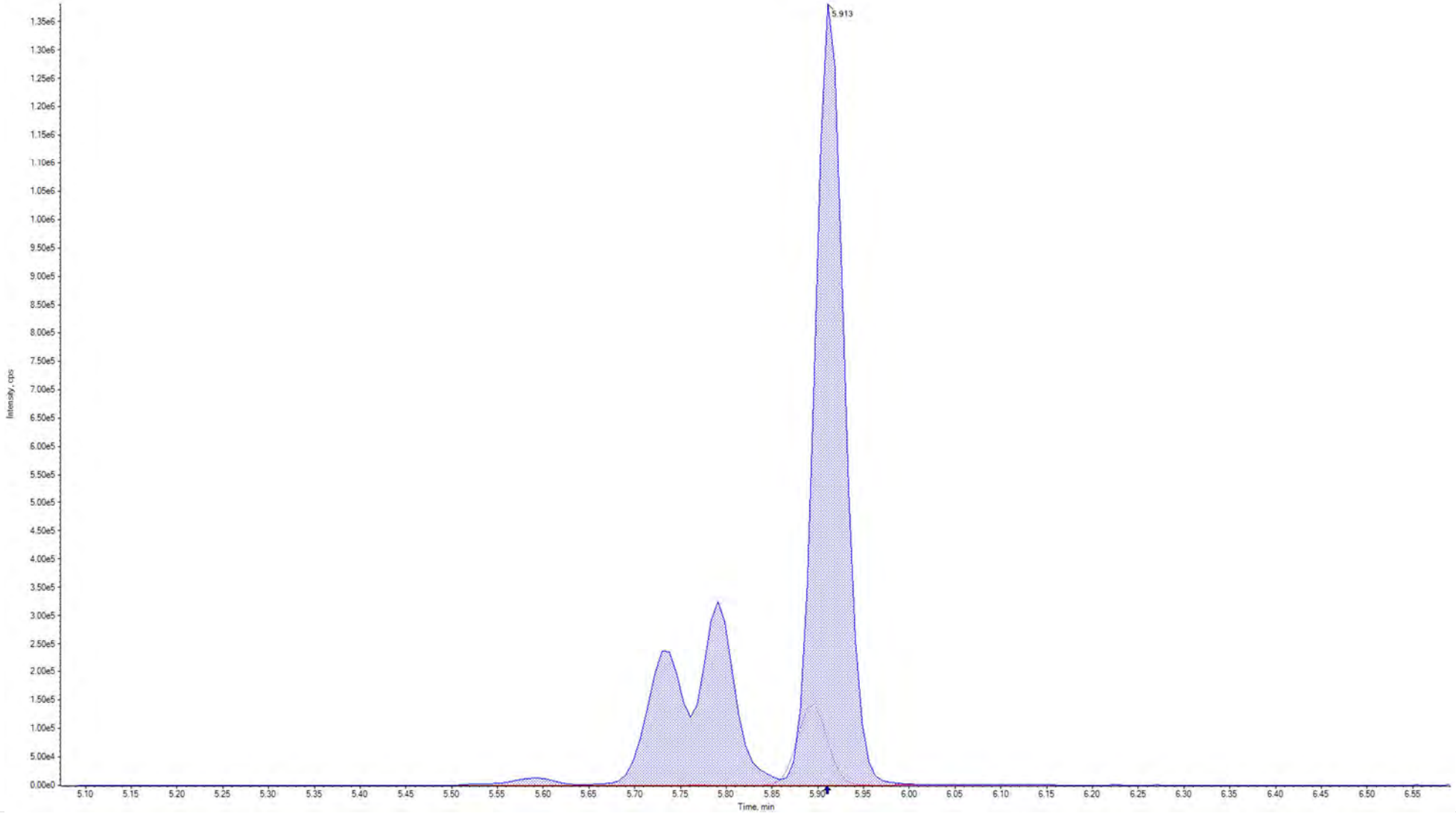
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

NEtFOSAA_2
Sample: IA1633STD-12.5 S/N:686.1 Points Across peak:56



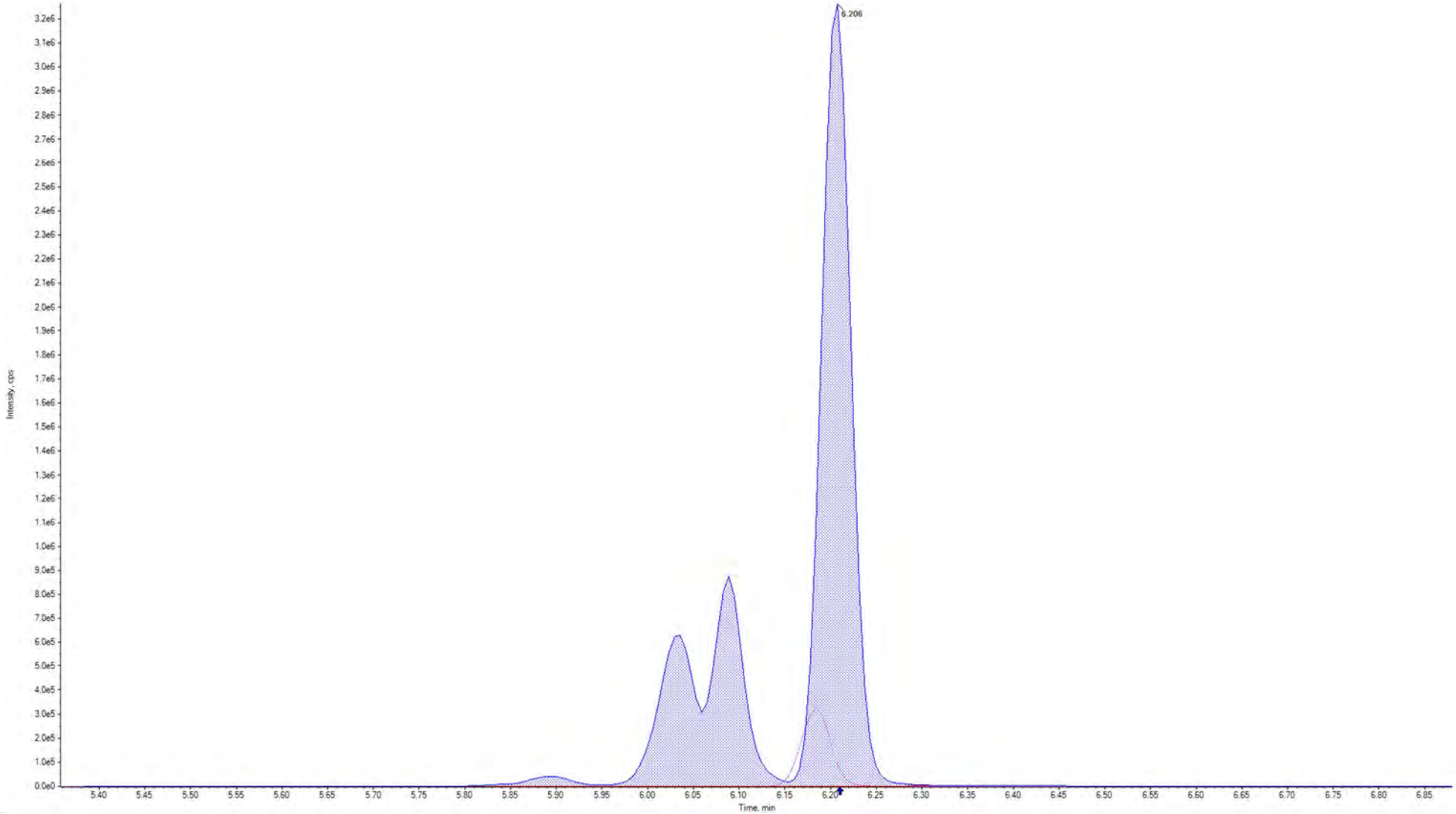
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

NMeFOSE
Sample: IA1633STD-12.5 S/N:1191.9 Points Across peak:85



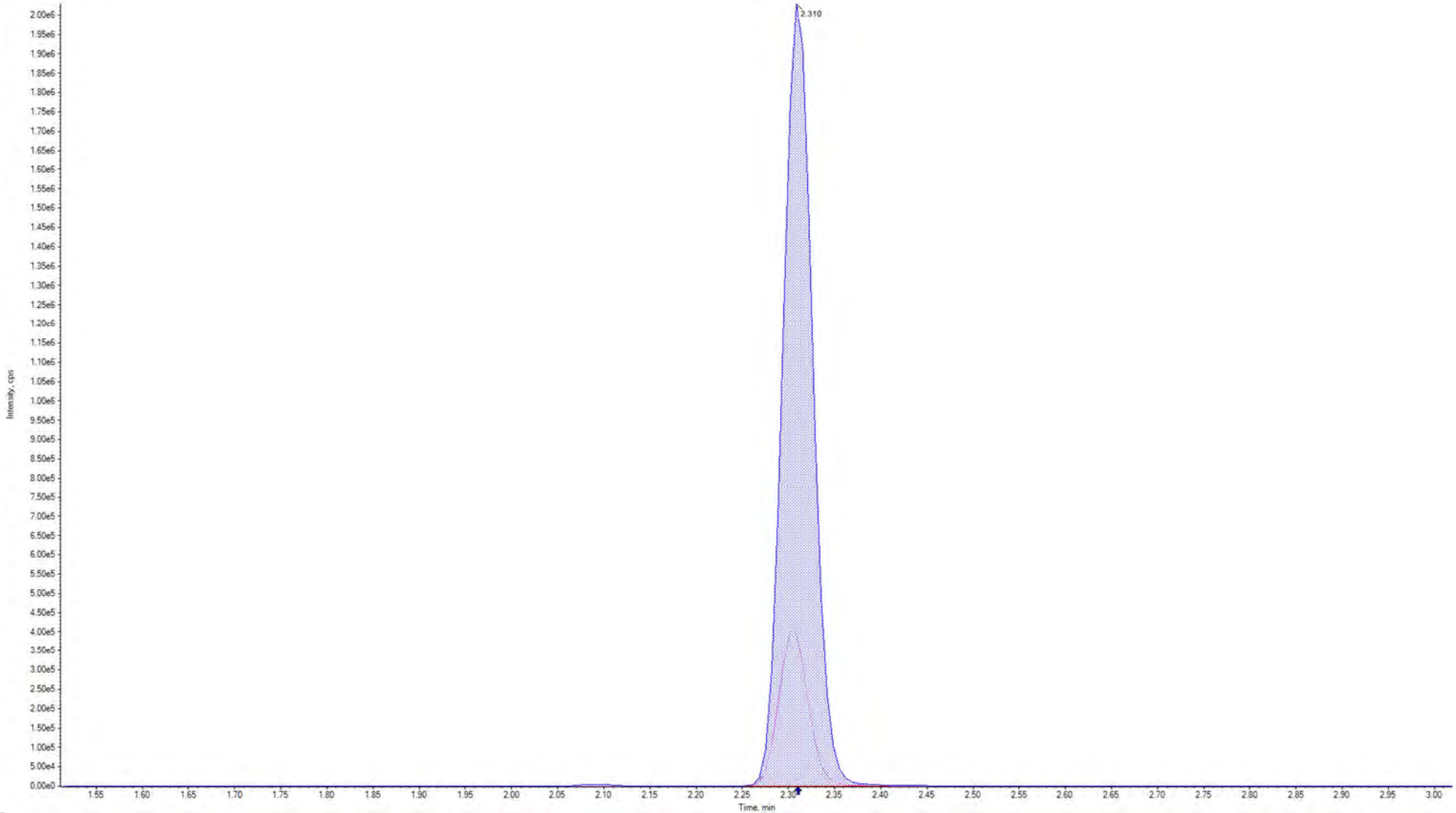
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

NEtFOSE
Sample: IA1633STD-12.5 S/N:1718.1 Points Across peak:99



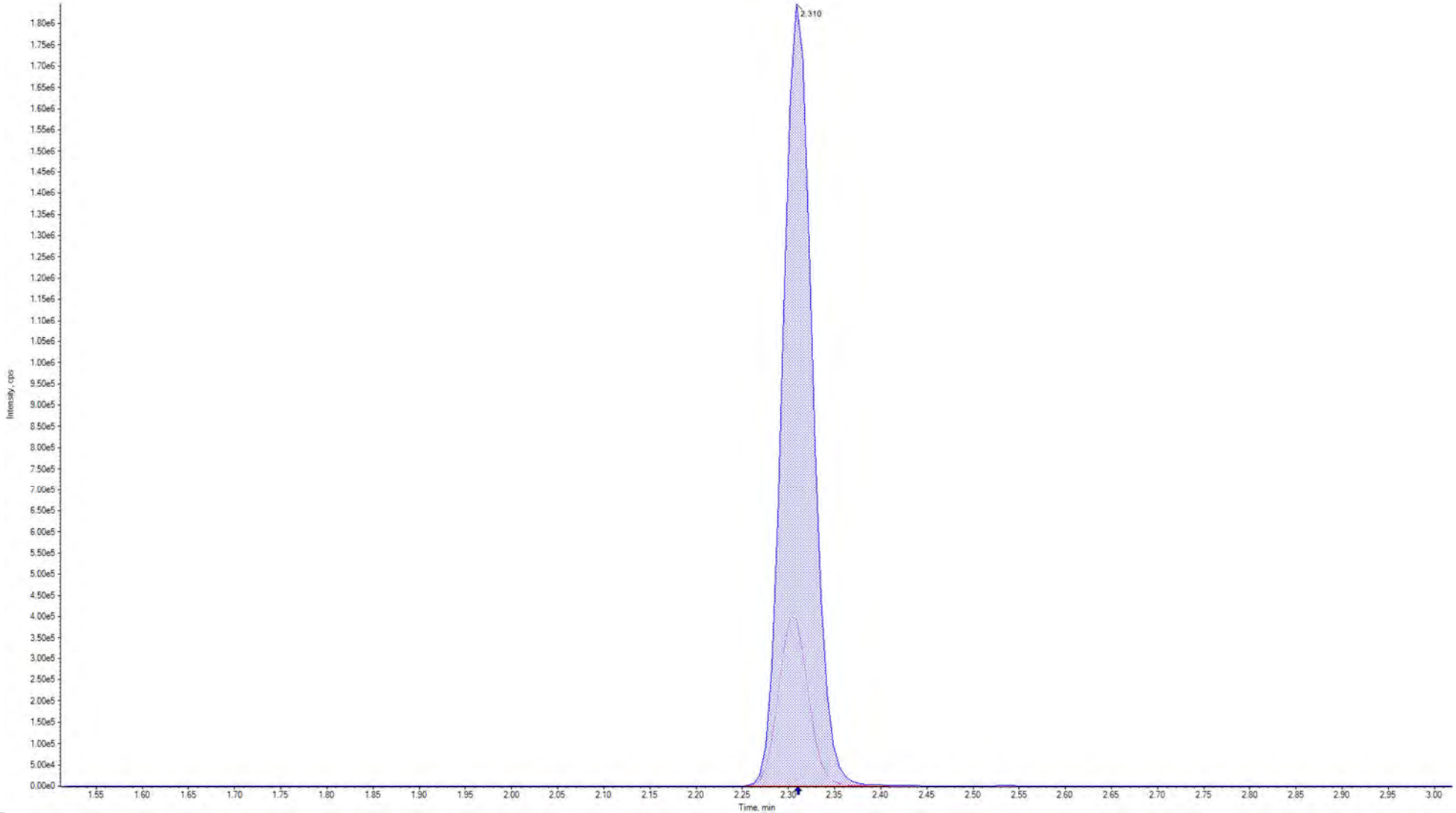
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

HFPO-DA
Sample: IA1633STD-12.5 S/N:7238.1 Points Across peak:29



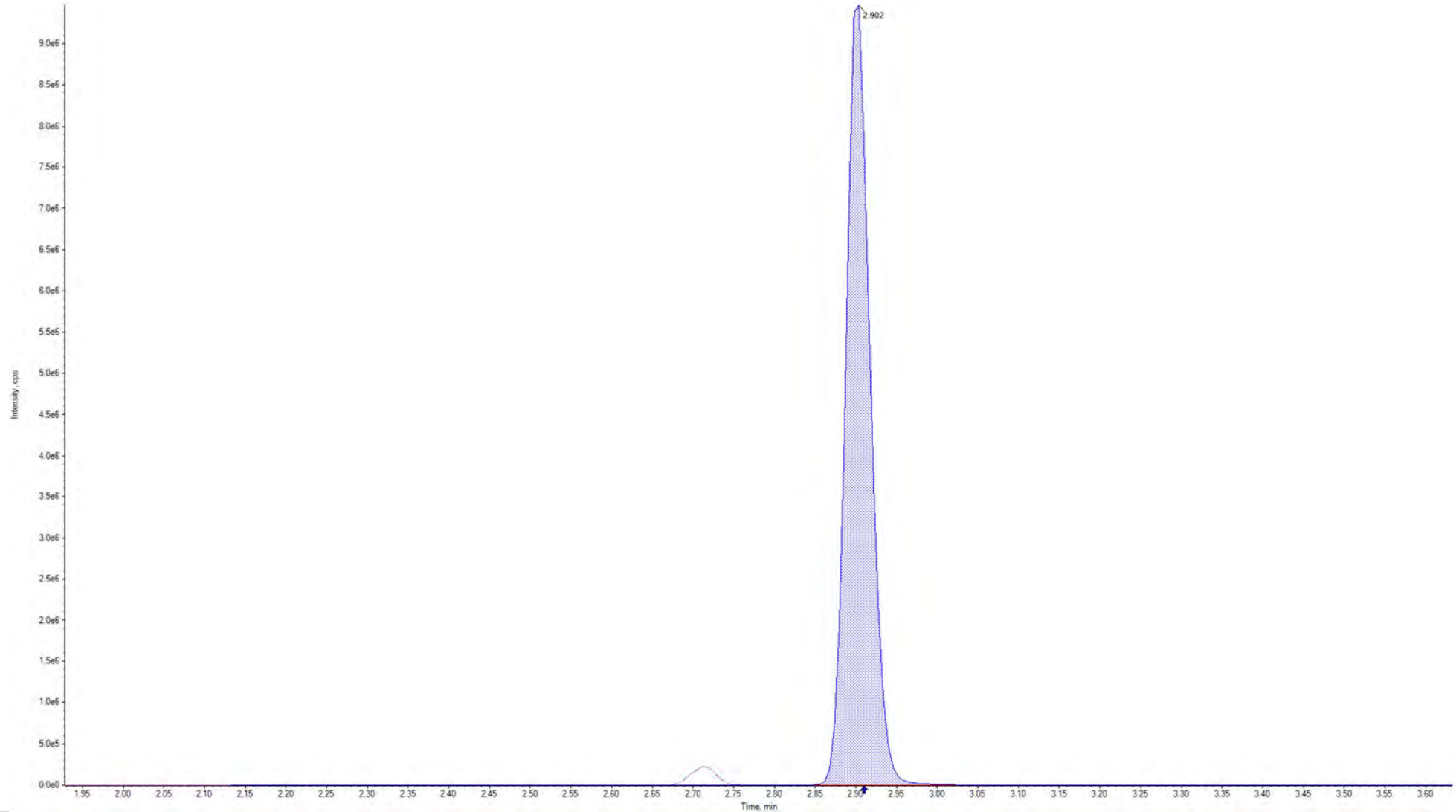
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

HFPO-DA_2
Sample: IA1633STD-12.5 S/N:7551.3 Points Across peak:29



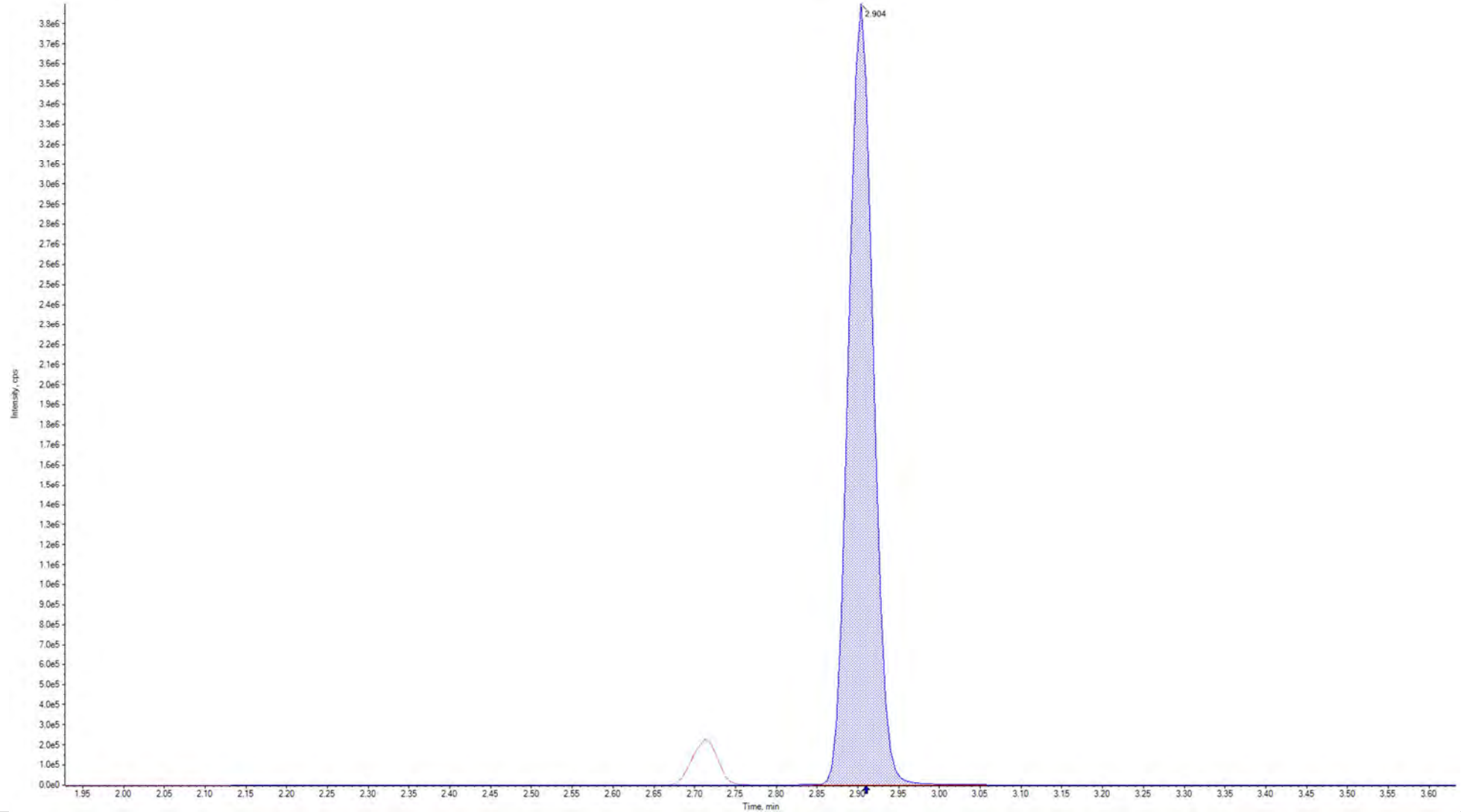
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

ADONA
Sample: IA1633STD-12.5 S/N:118541.6 Points Across peak:44



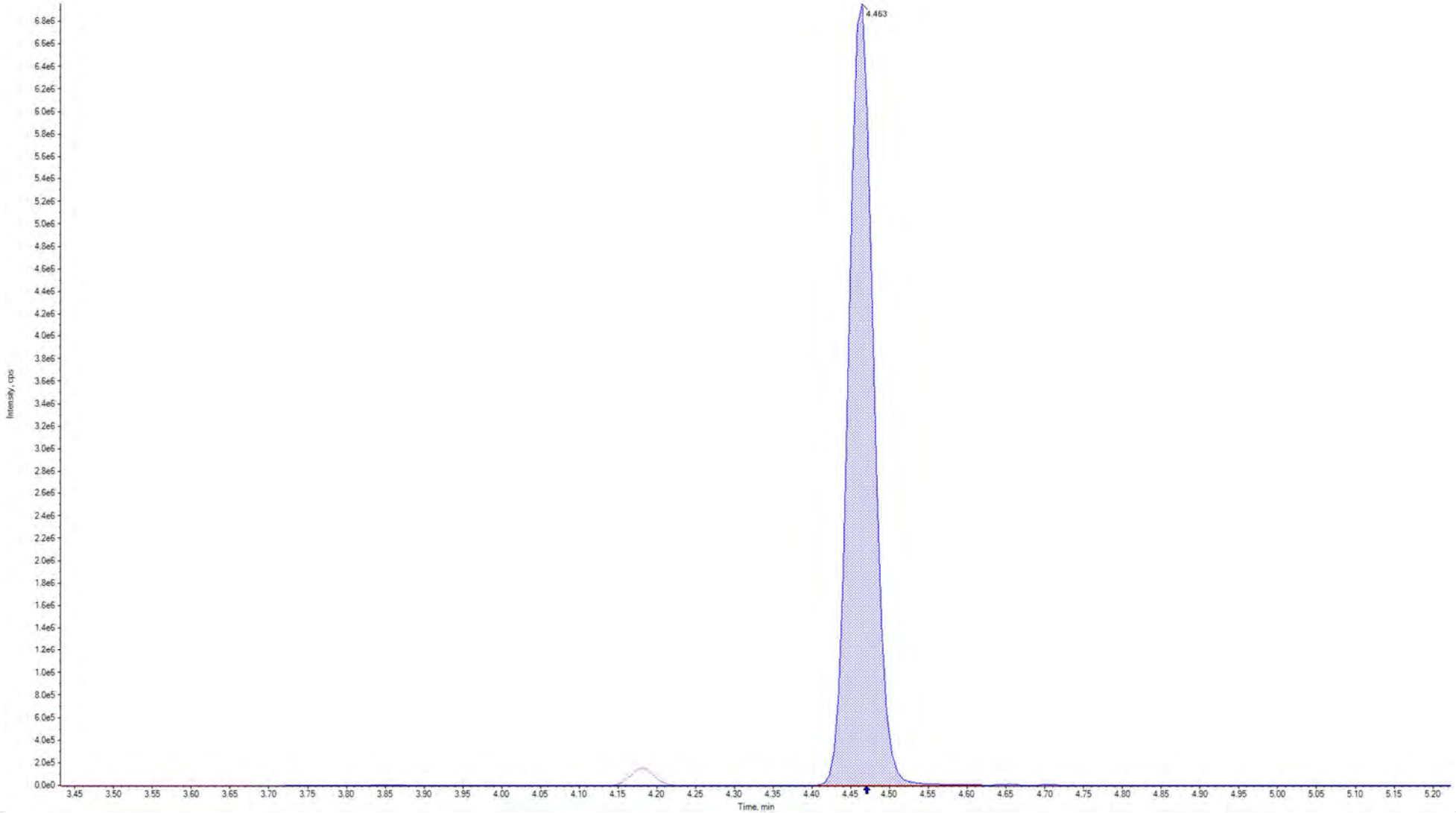
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

ADONA_2
Sample: IA1633STD-12.5 S/N:8471.6 Points Across peak:39



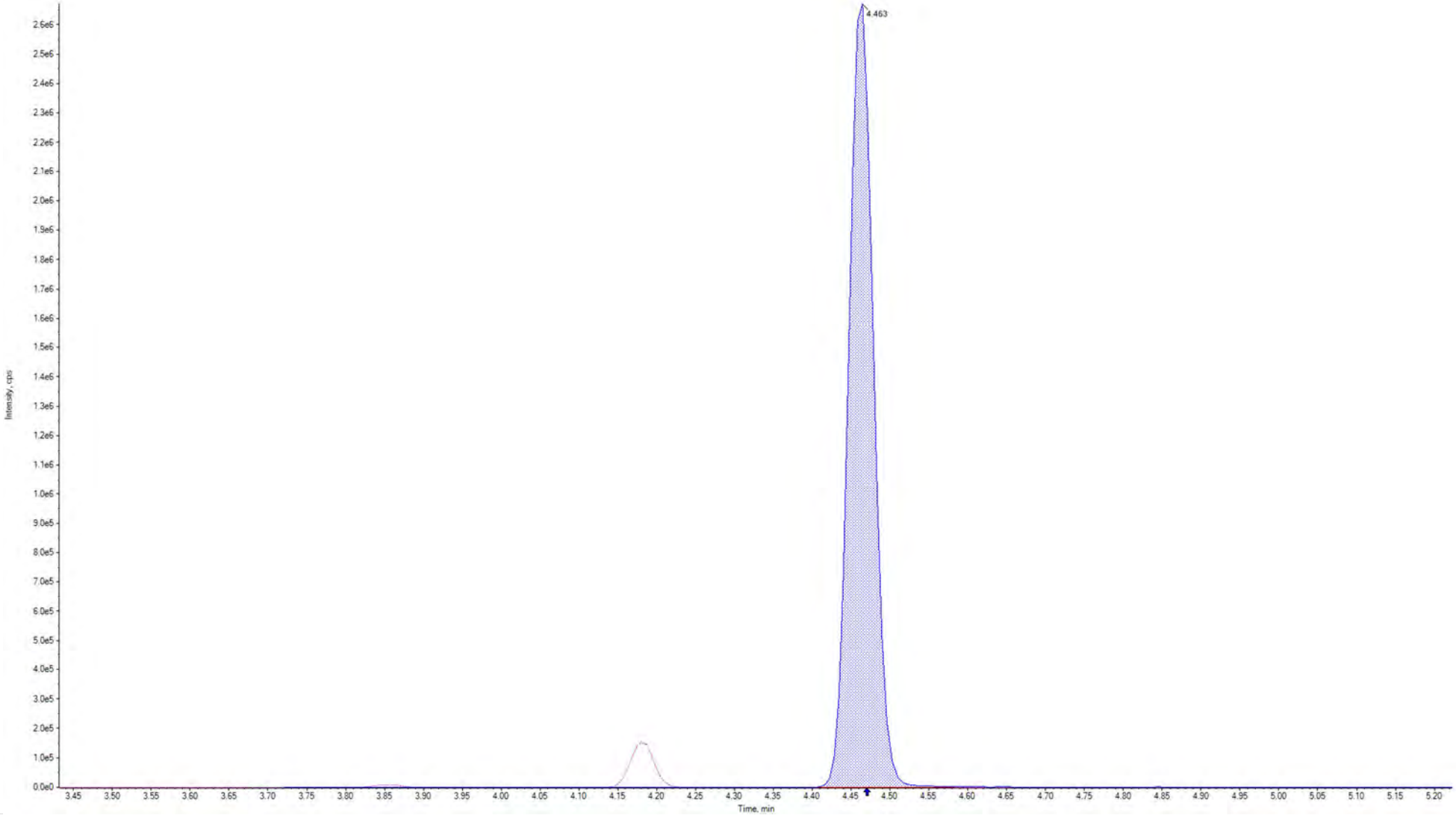
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

9Cl-PF3ONS
Sample: IA1633STD-12.5 S/N:9814.3 Points Across peak:39



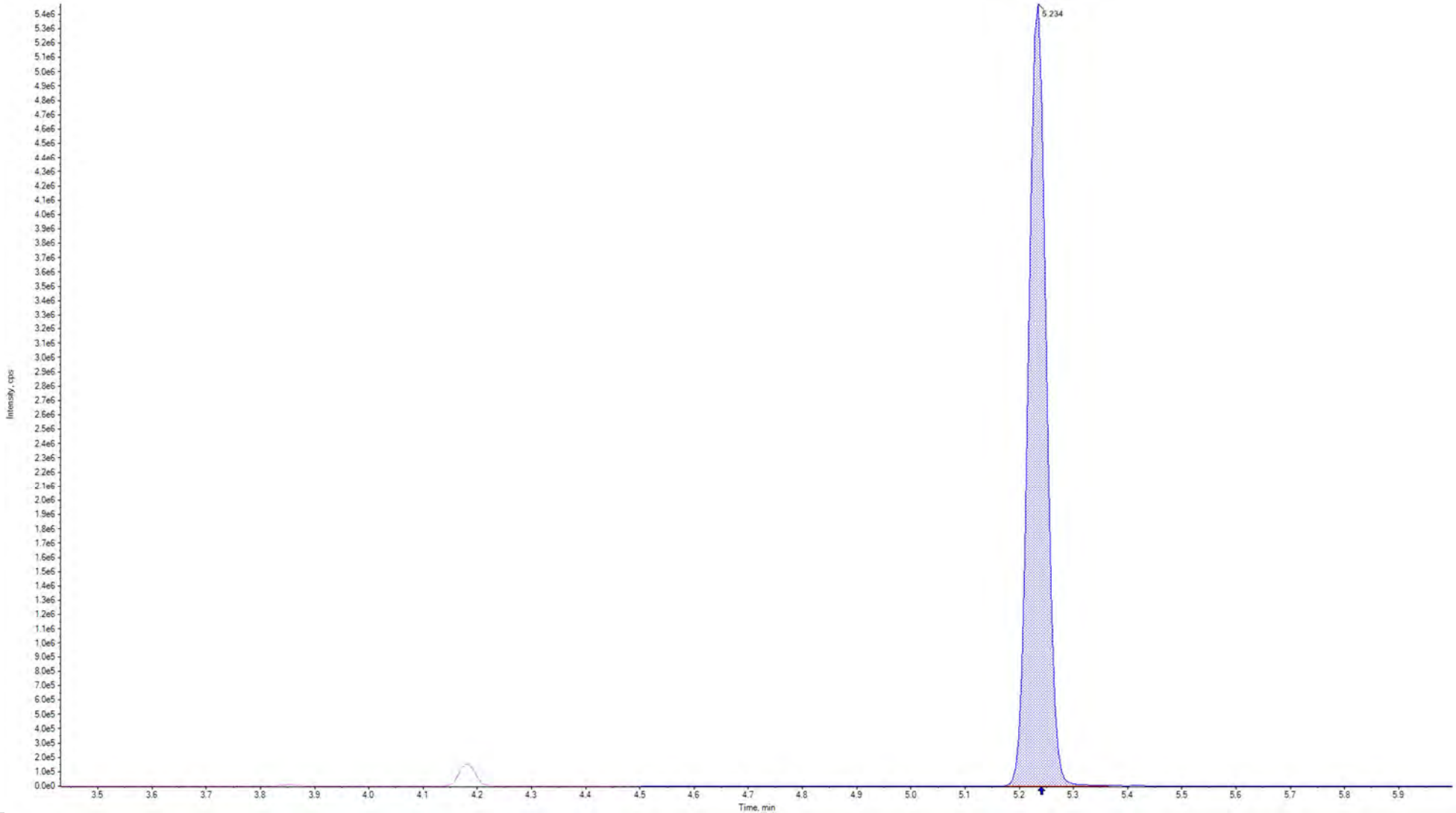
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

9Cl-PF3ONS_2
Sample: IA1633STD-12.5 S/N:11812.6 Points Across peak:31



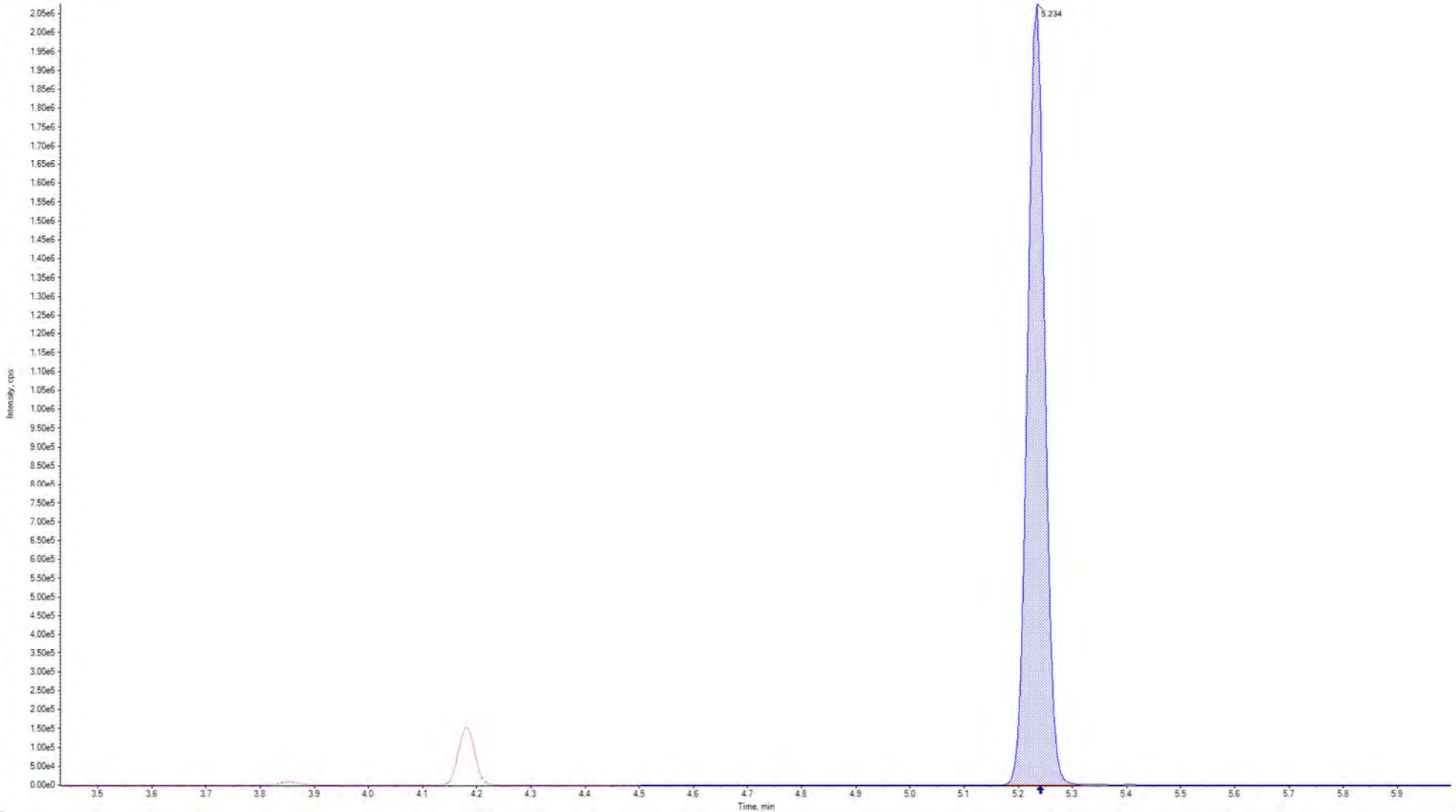
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

11Cl-PF3OUdS
Sample: IA1633STD-12.5 S/N:12813.8 Points Across peak:36



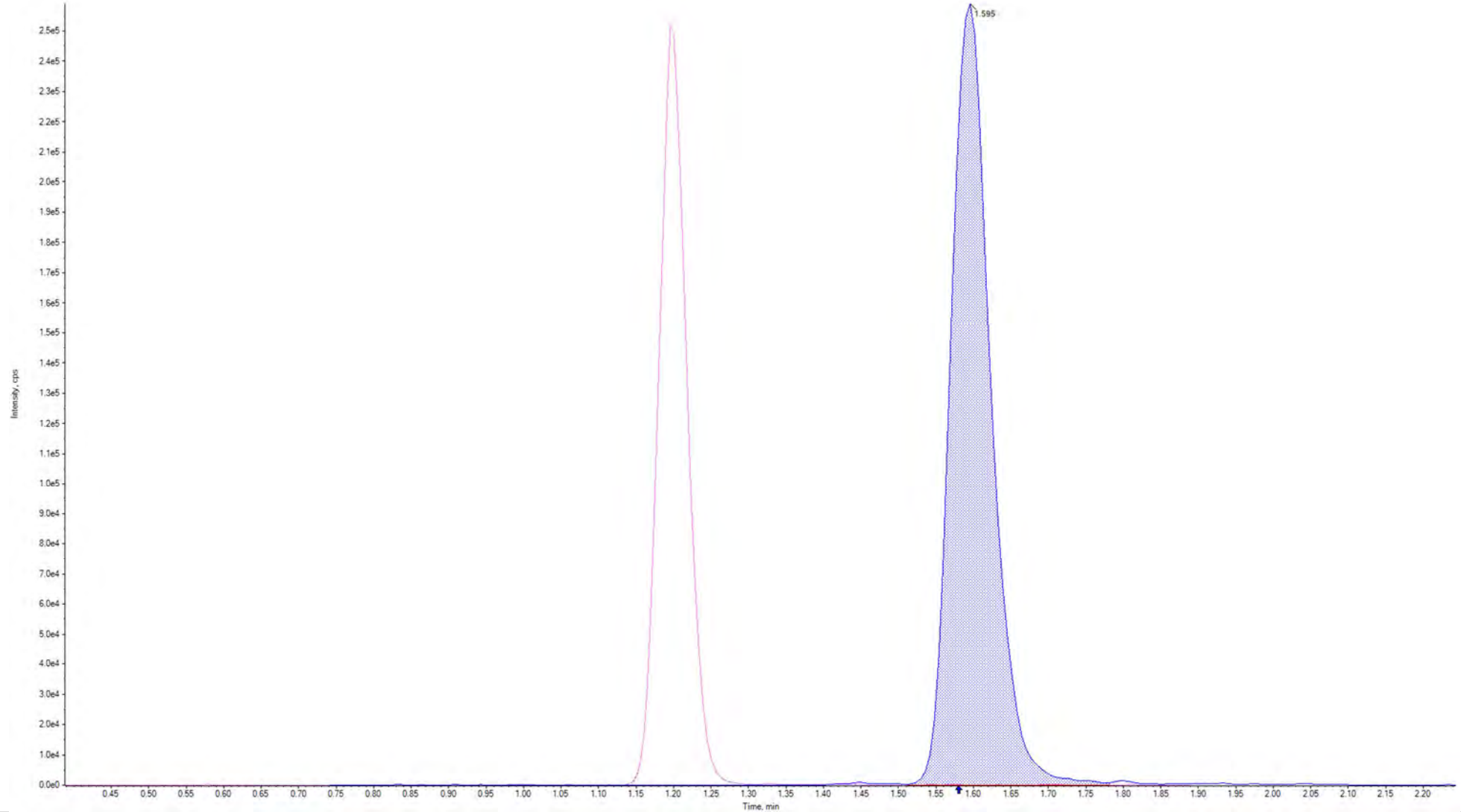
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

11Cl-PF3OUdS_2
Sample: IA1633STD-12.5 S/N:11154.7 Points Across peak:29



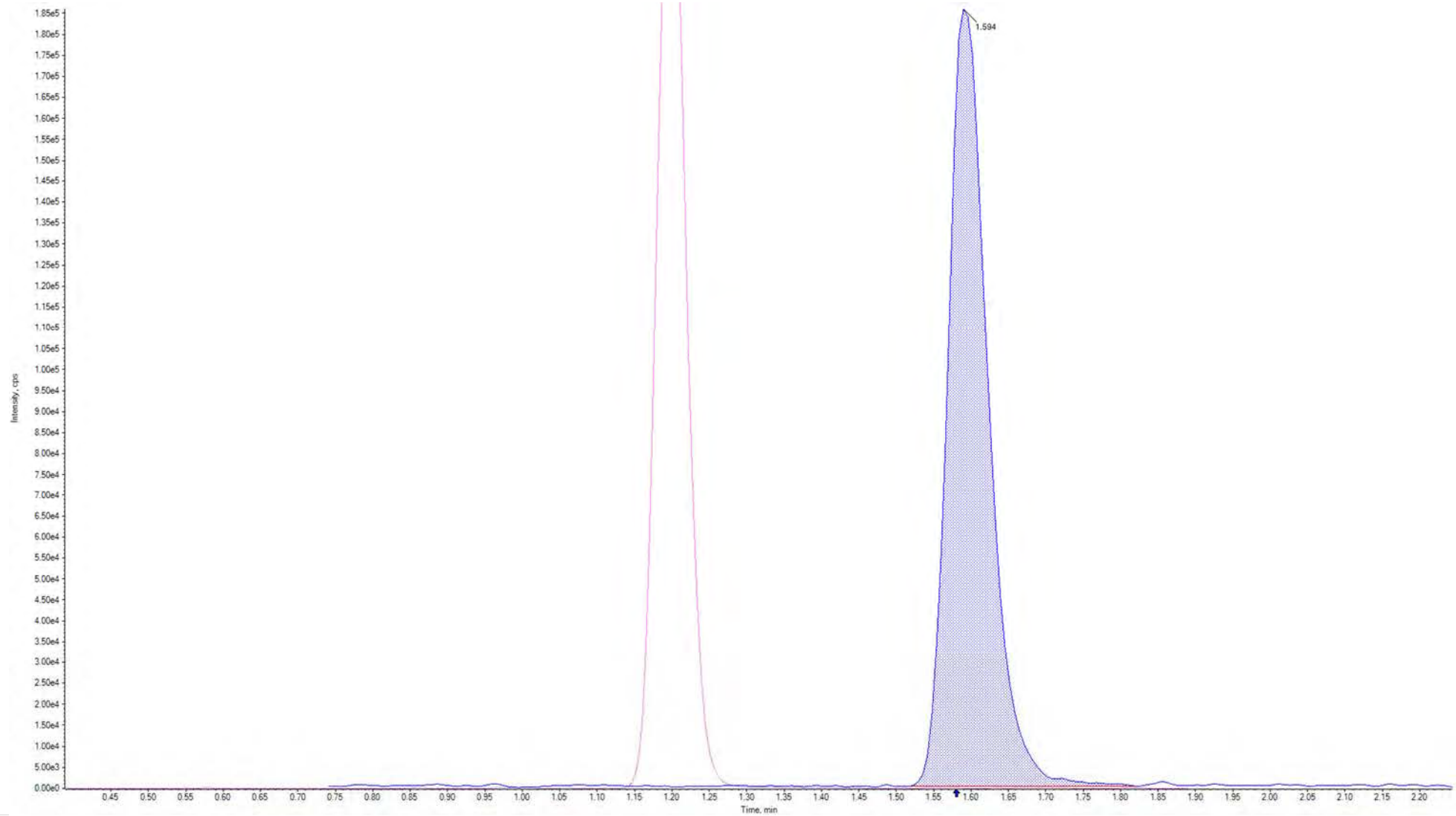
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

3:3FTCA
Sample: IA1633STD-12.5 S/N:4132.4 Points Across peak:44



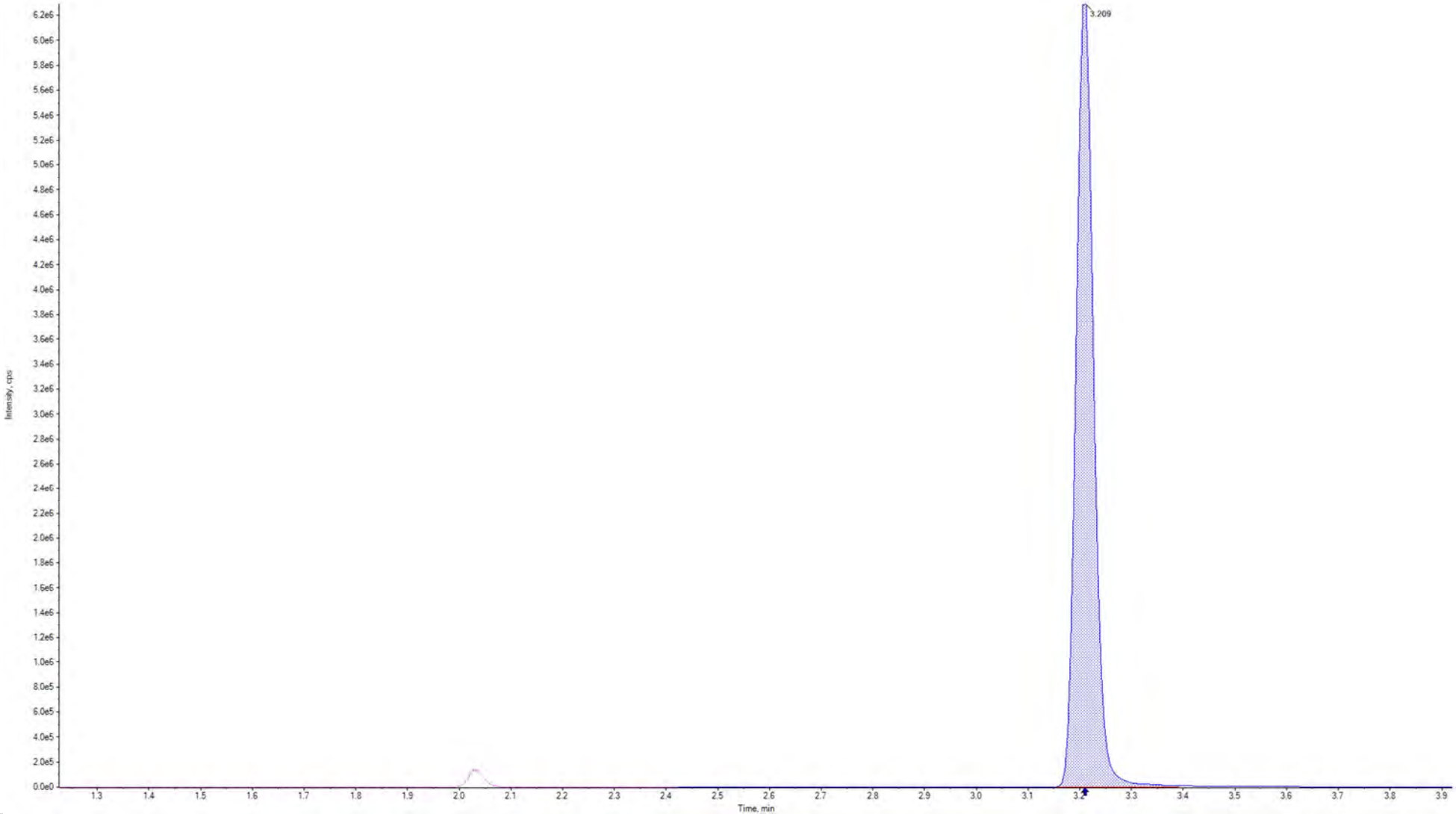
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

3:3FTCA_2
Sample: IA1633STD-12.5 S/N:1967.0 Points Across peak:49



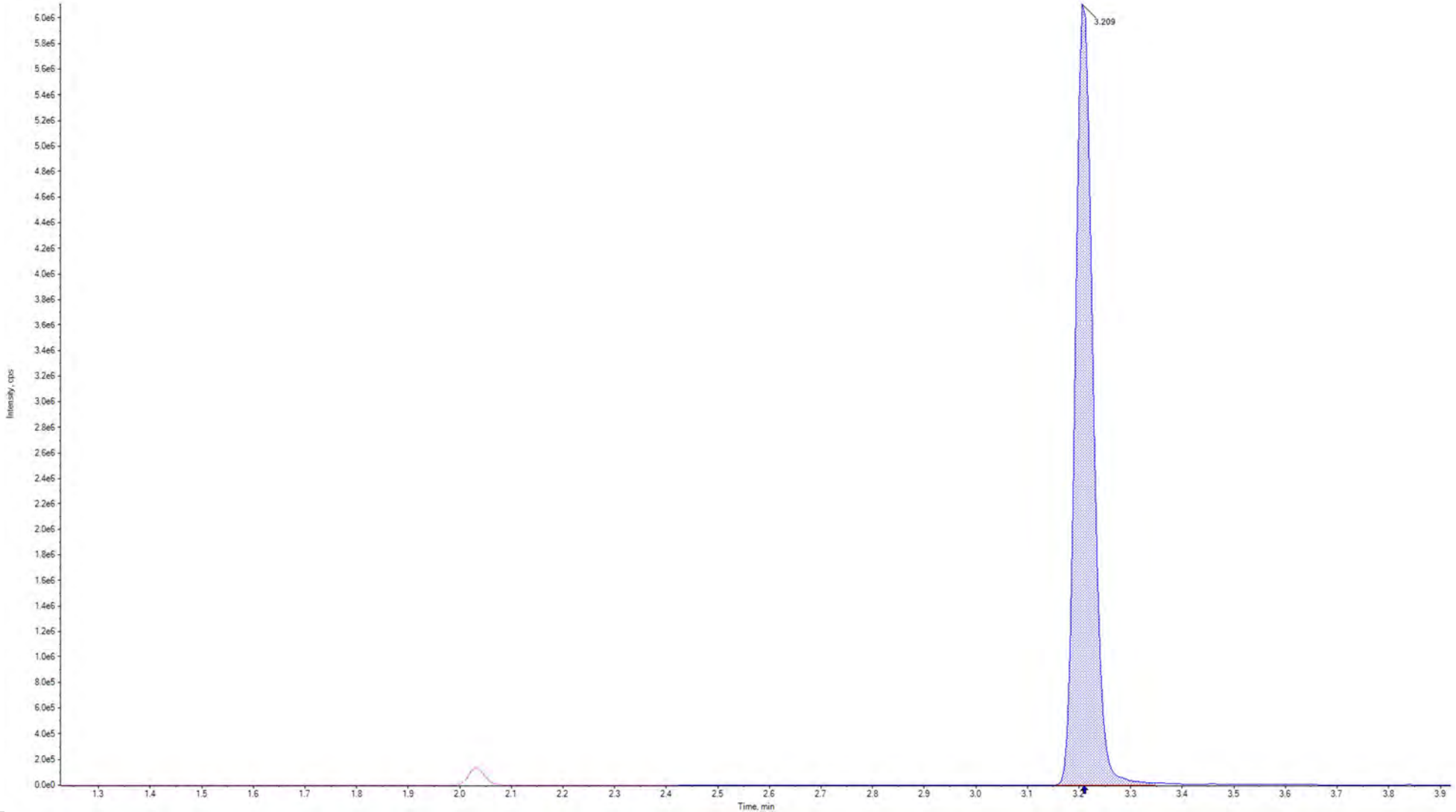
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

5:3FTCA
Sample: IA1633STD-12.5 S/N:11614.6 Points Across peak:44



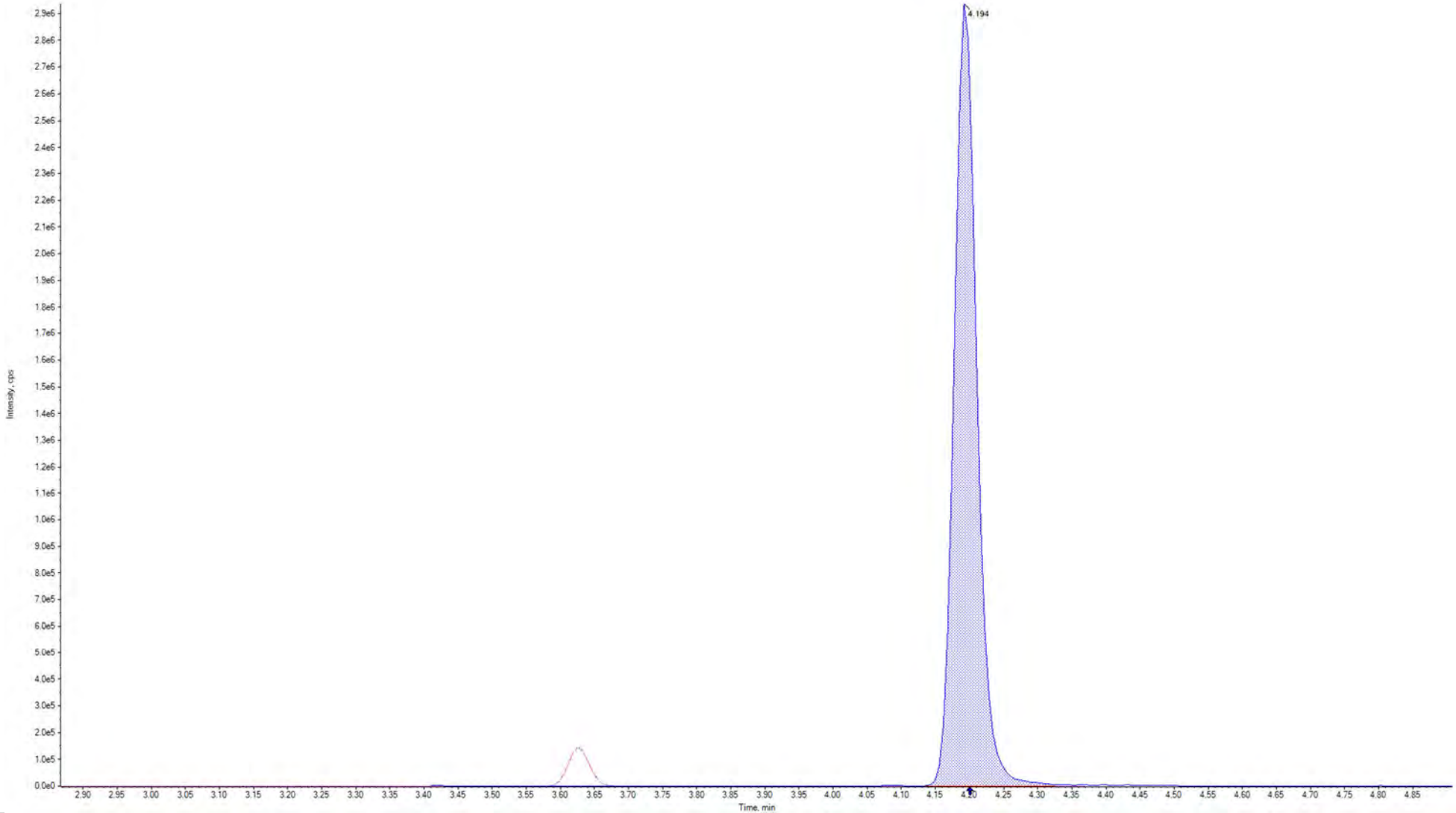
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

5:3FTCA_2
Sample: IA1633STD-12.5 S/N:76535.3 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\250228\SCI07_250228_30.wiff2_5
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

7:3FTCA
Sample: IA1633STD-12.5 S/N:5661.8 Points Across peak:34



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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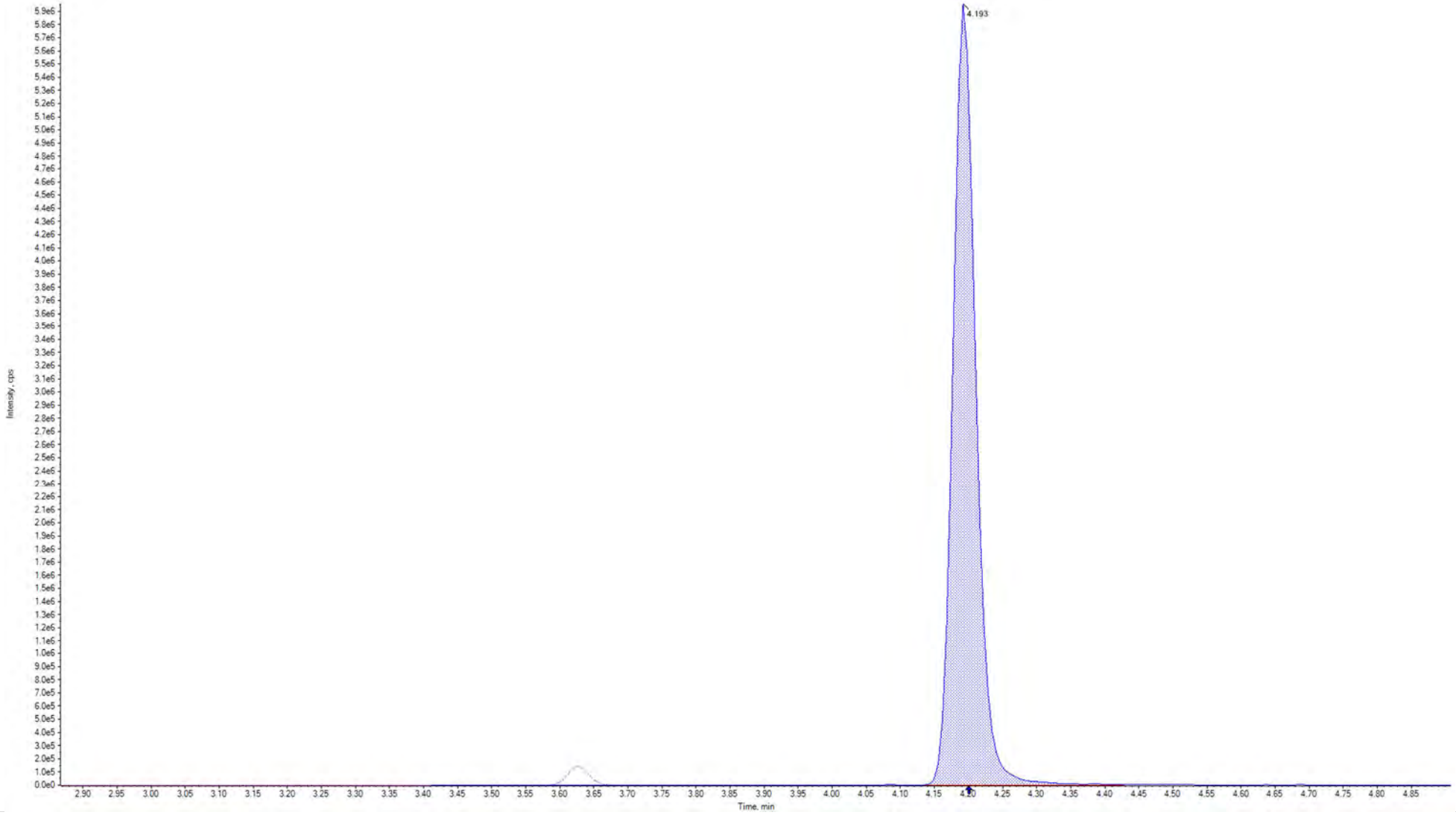
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

7:3FTCA_2
Sample: IA1633STD-12.5 S/N:74636.1 Points Across peak:50



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/1/2025 7:32:04 AM
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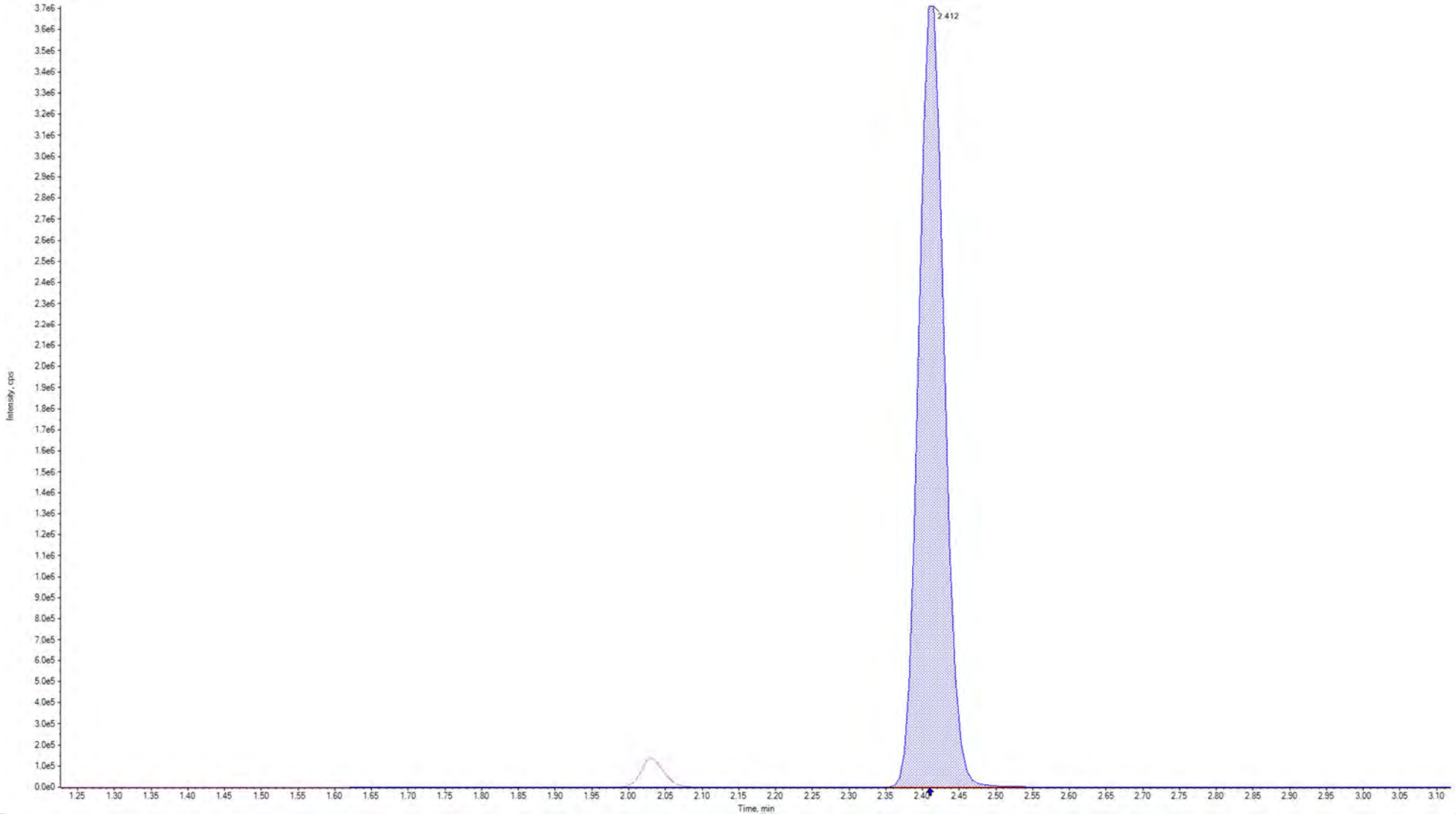
PFEESA
Sample: IA1633STD-12.5 S/N:16856.5 Points Across peak:37



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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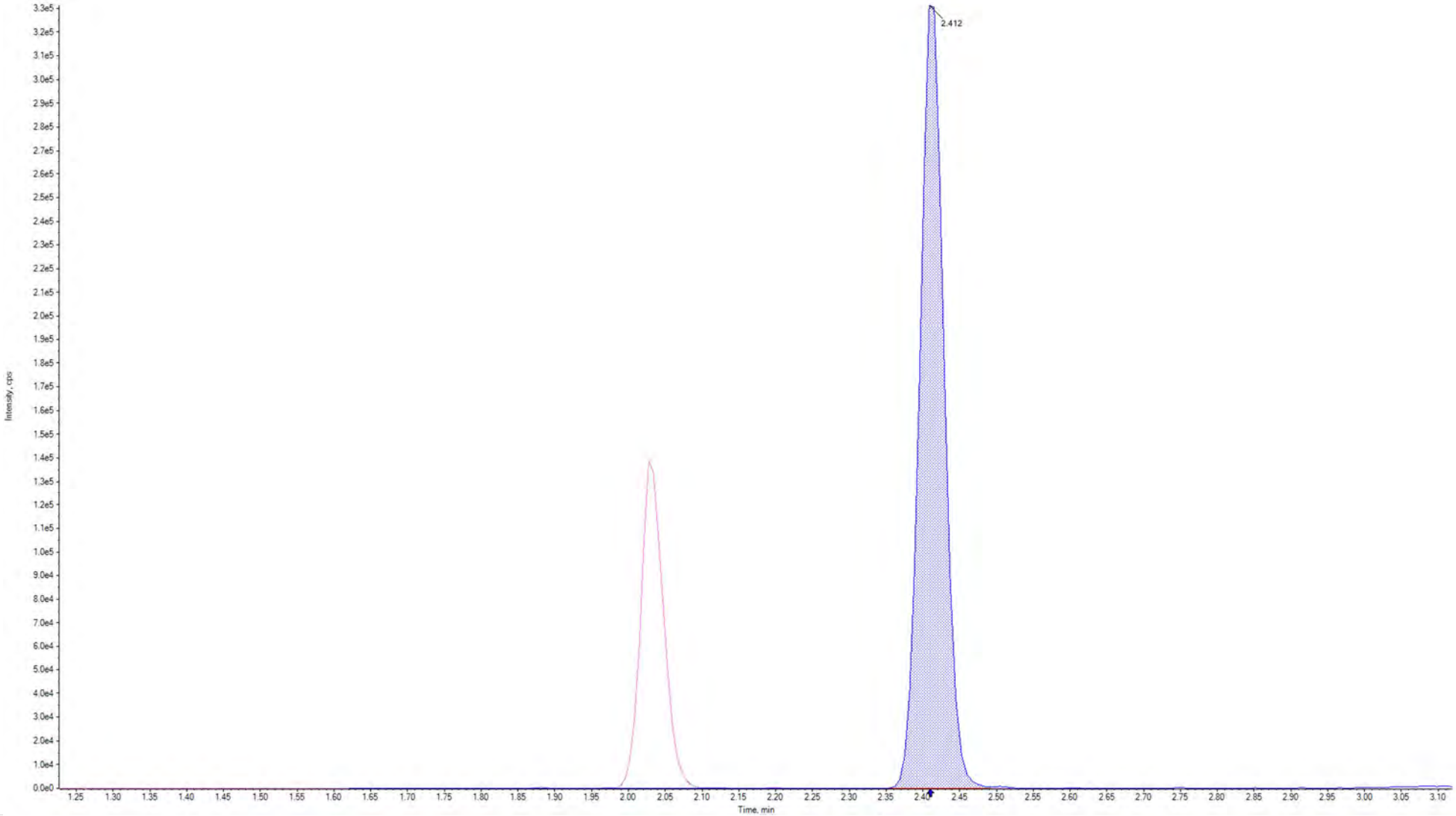
PFEESA_2
Sample: IA1633STD-12.5 S/N:5810.8 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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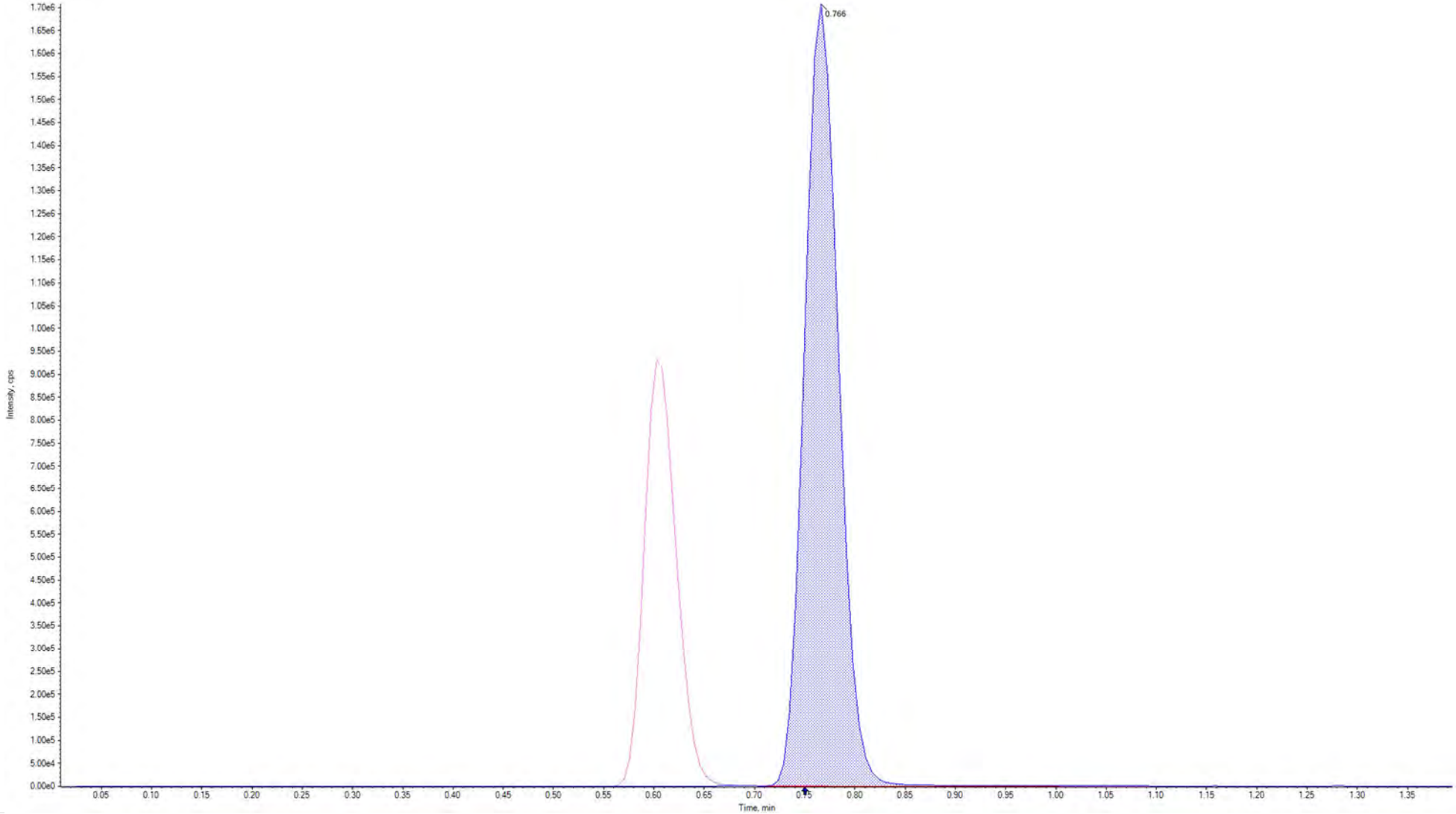
Generated: 2/28/2025 12:43:00 PM

PFMPA
Sample: IA1633STD-12.5 S/N:7182.8 Points Across peak:48



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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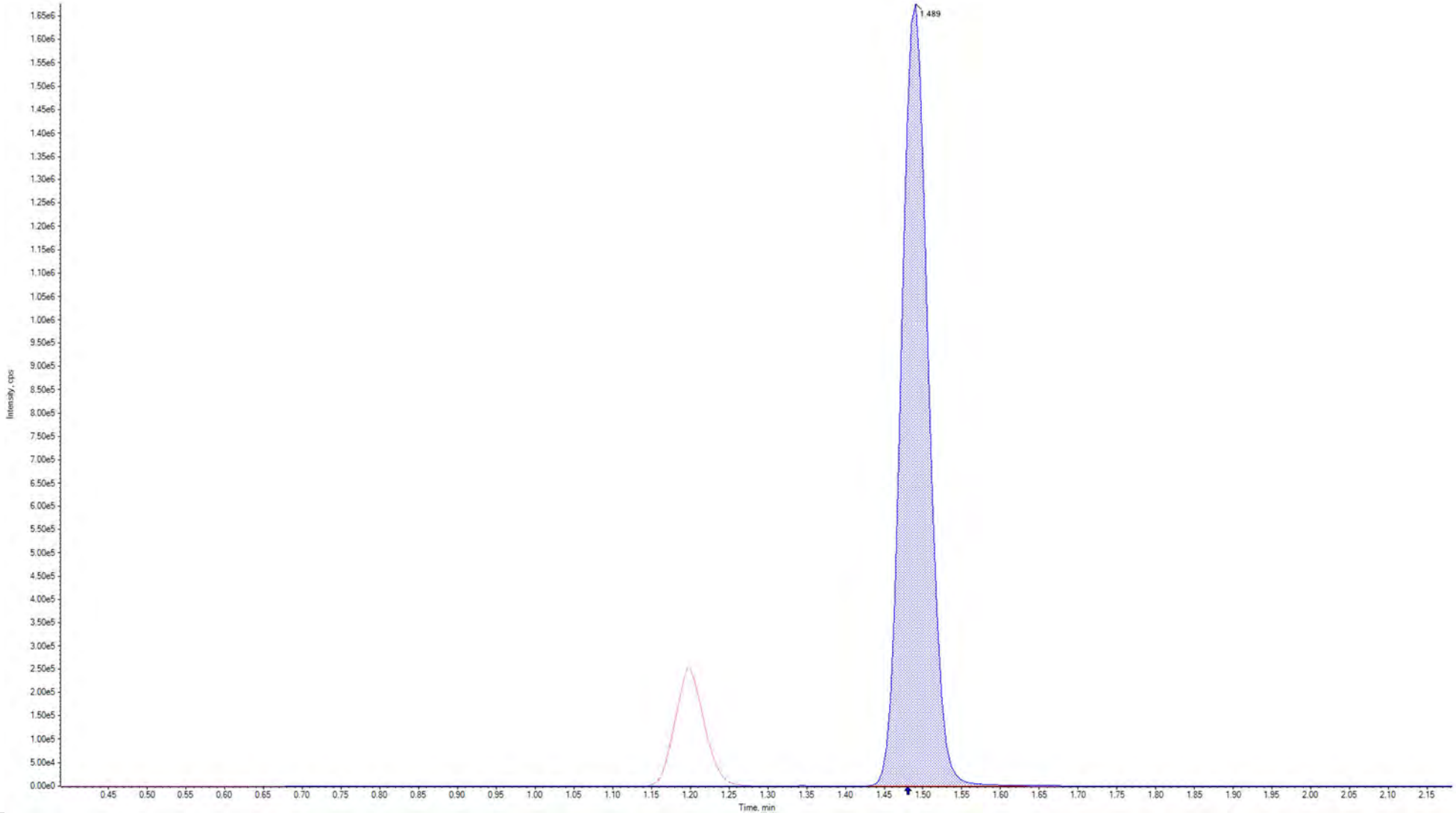
PFMBA
Sample: IA1633STD-12.5 S/N:62993.8 Points Across peak:41



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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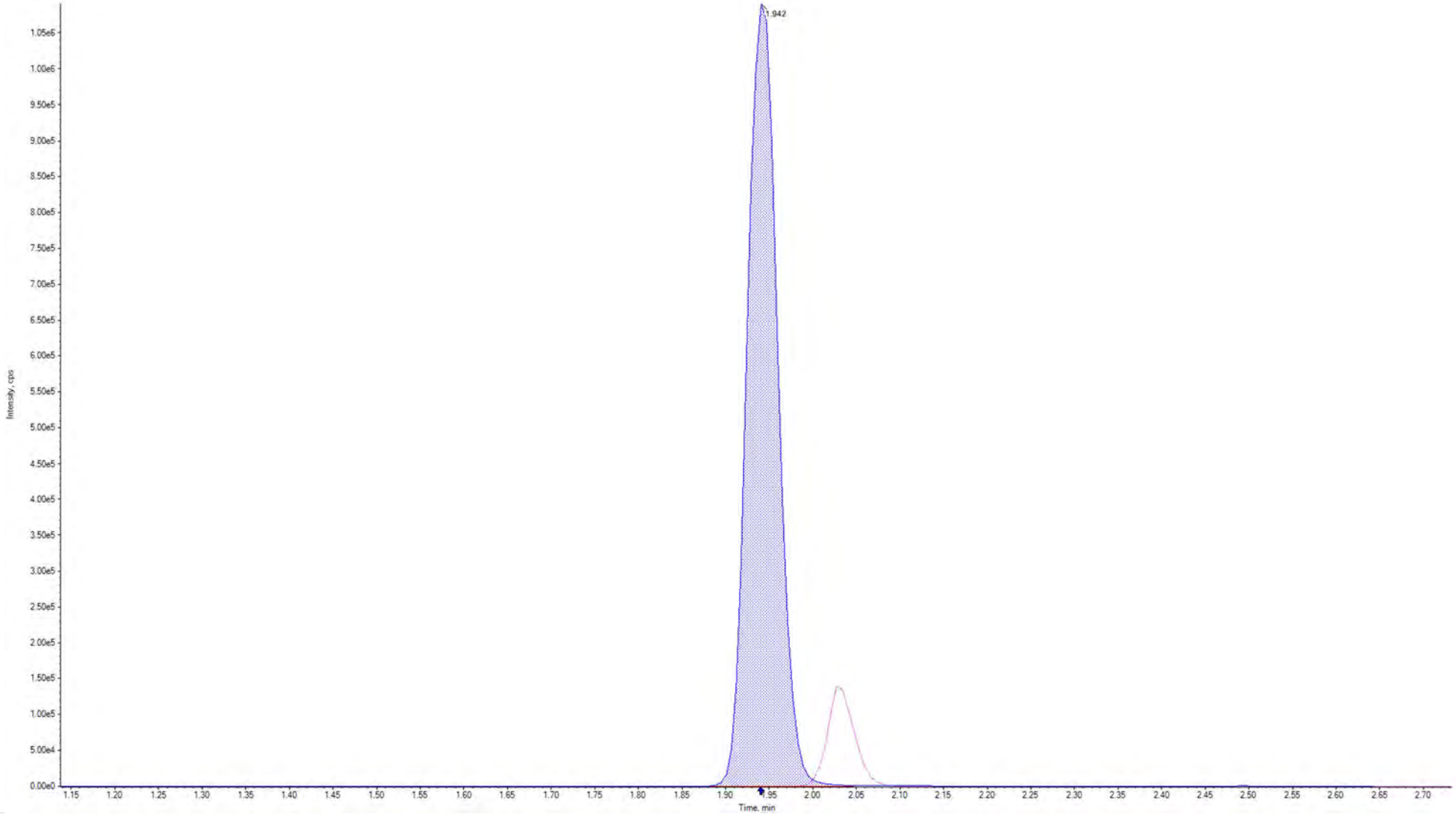
NFDHA
Sample: IA1633STD-12.5 S/N:14823.3 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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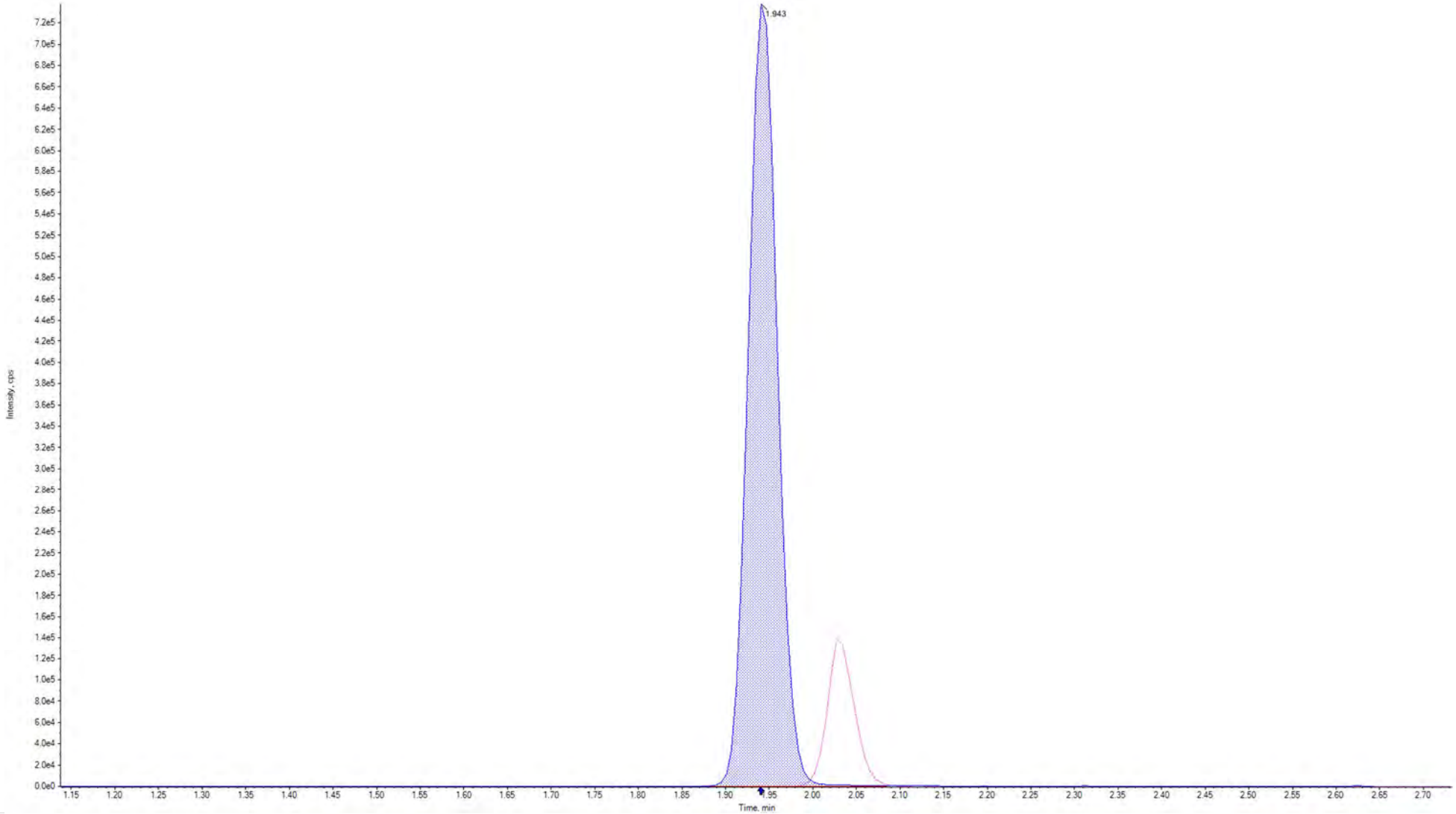
NFDHA_2
Sample: IA1633STD-12.5 S/N:8841.2 Points Across peak:37



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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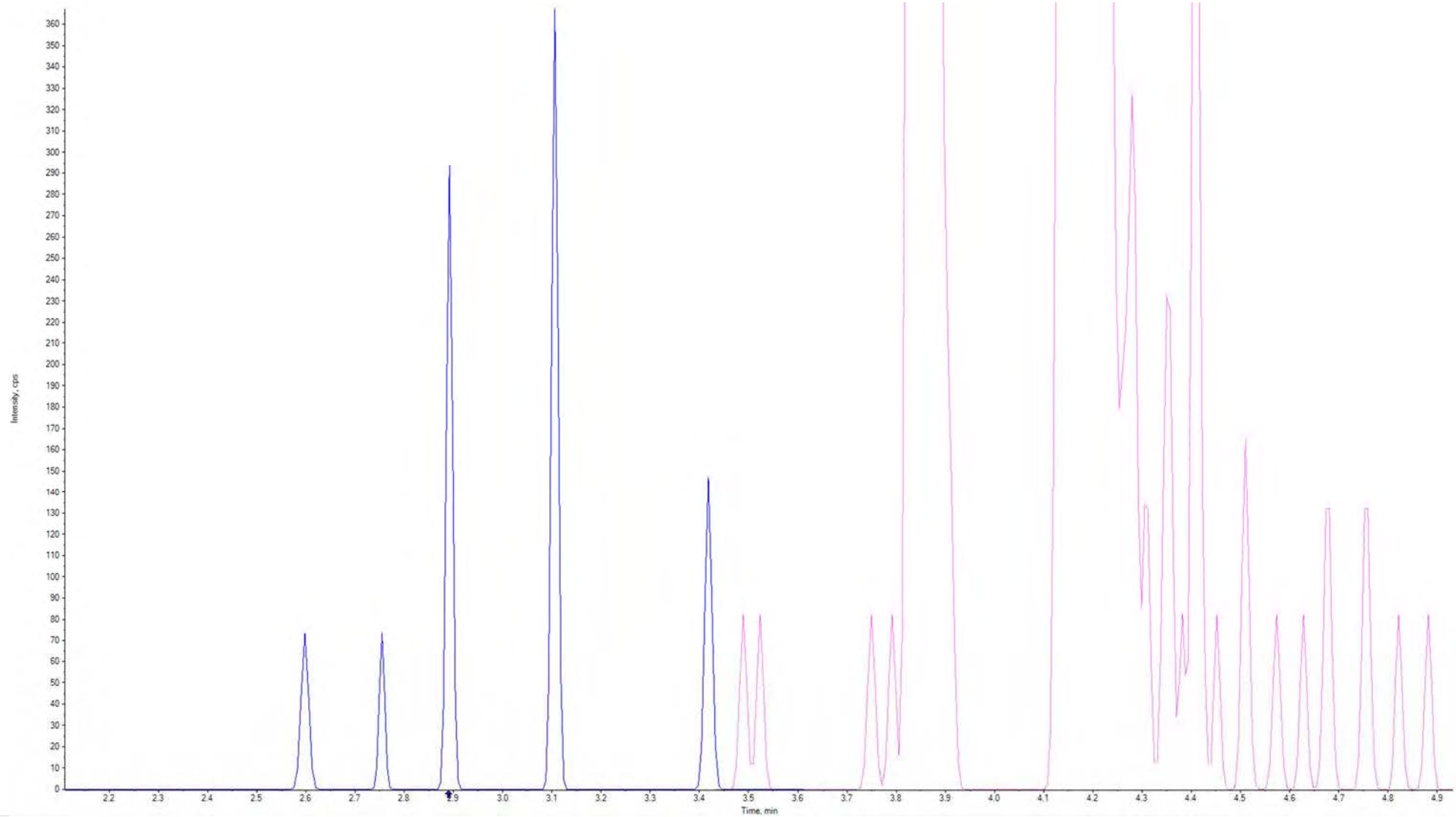
Generated: 2/28/2025 12:43:00 PM

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
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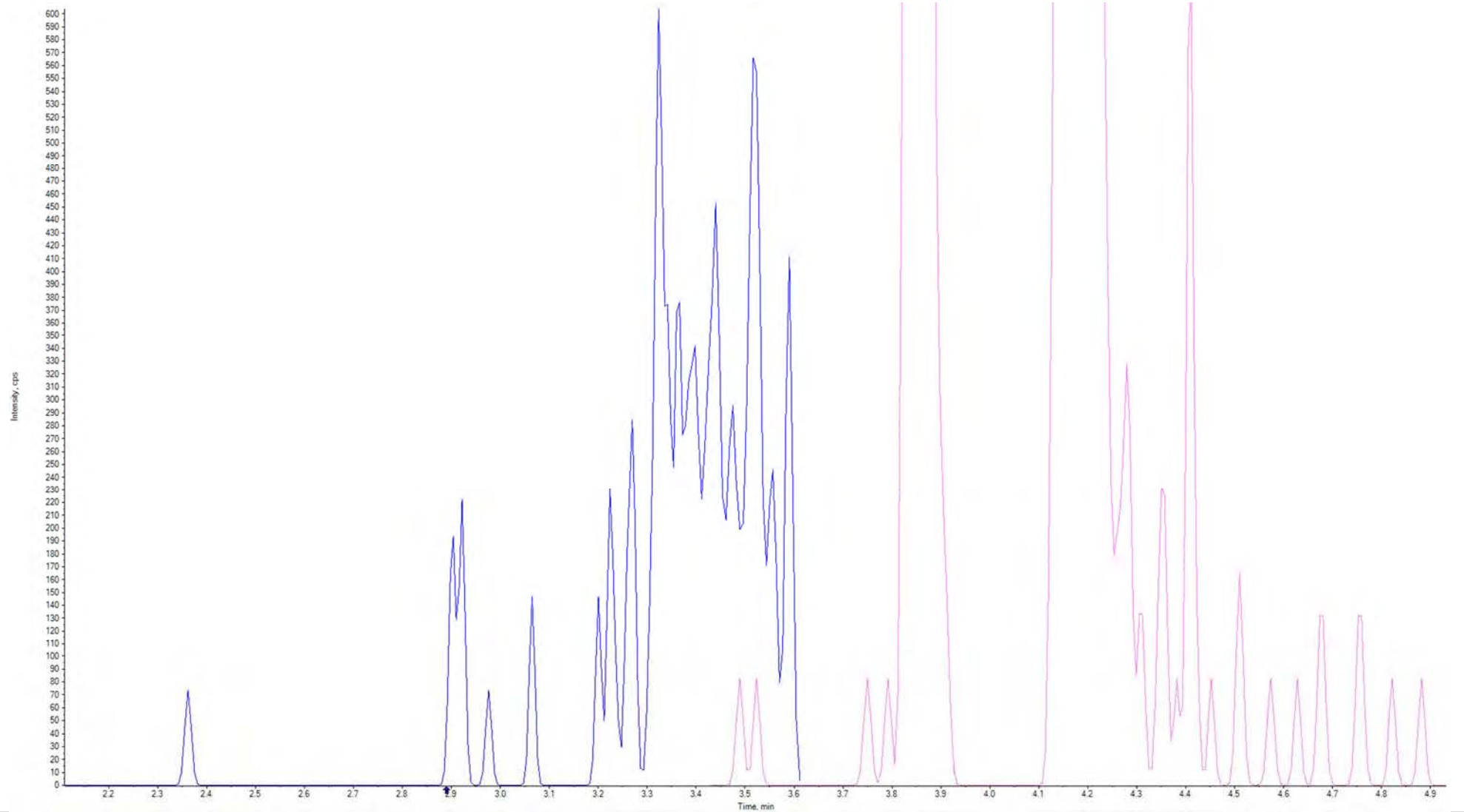
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

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
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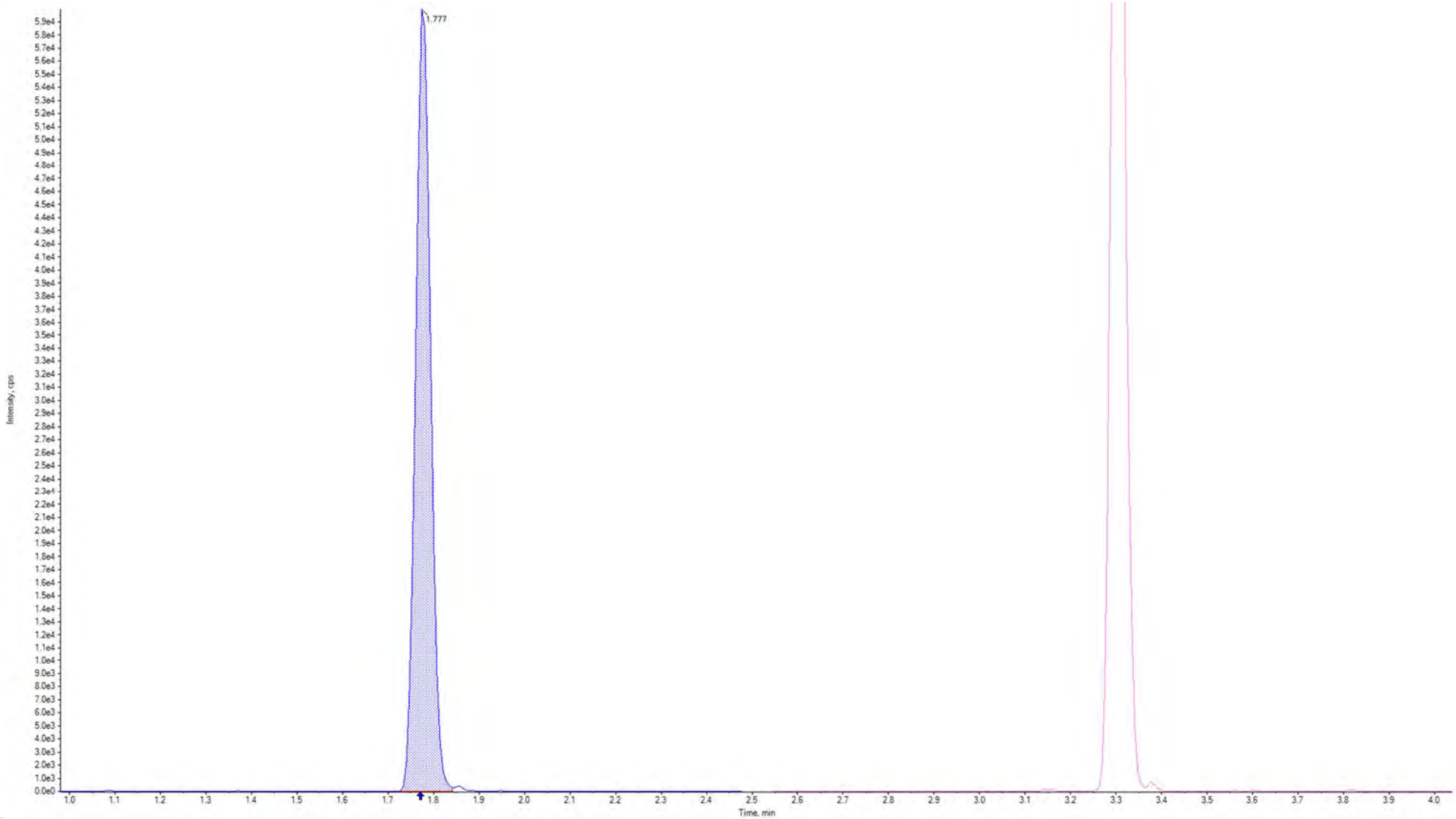
13C2D4-4:2FTS
Sample: IA1633STD-12.5 S/N:1653.2 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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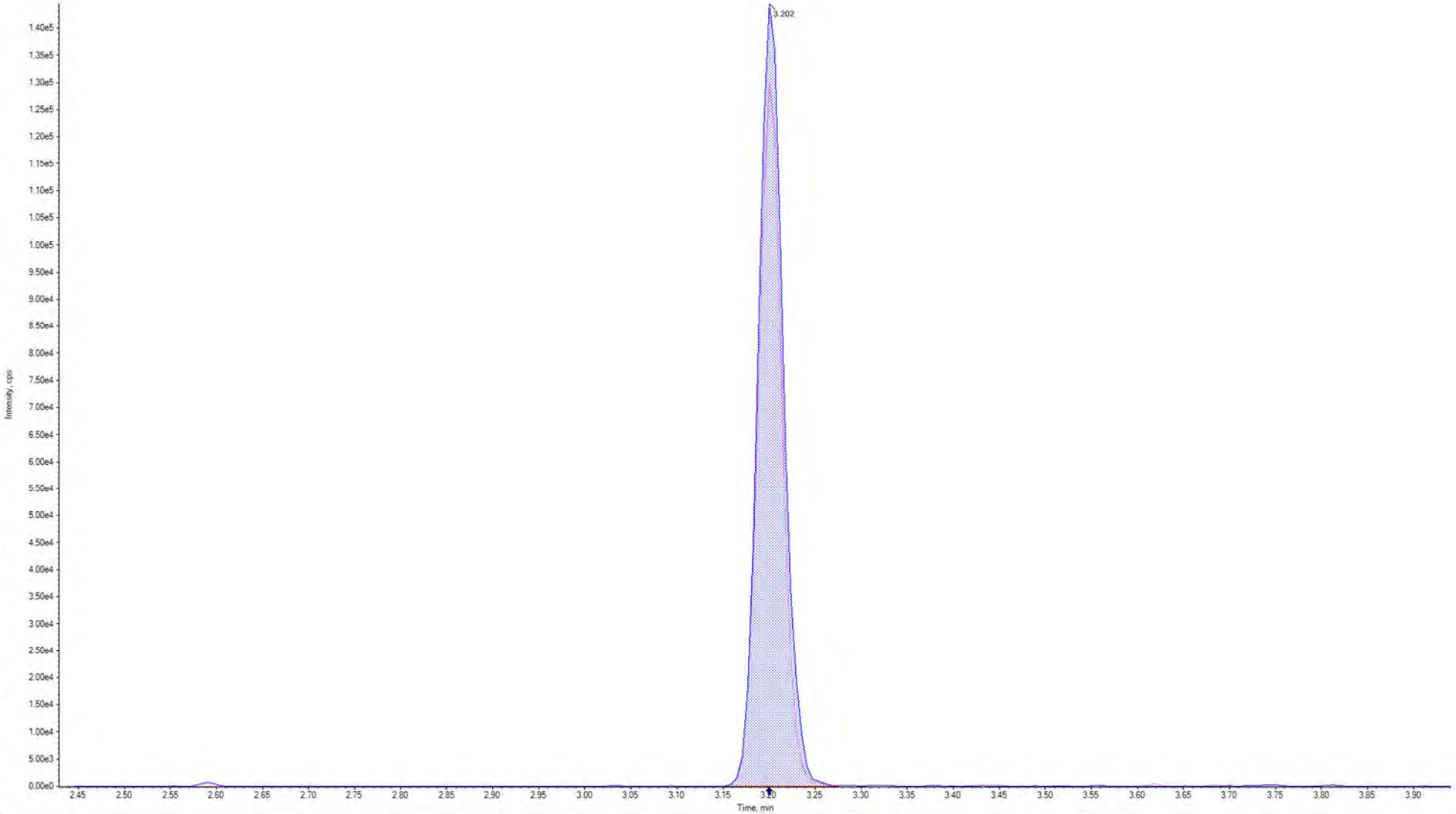
13C2-PFOA
Sample: IA1633STD-12.5 S/N:1809.9 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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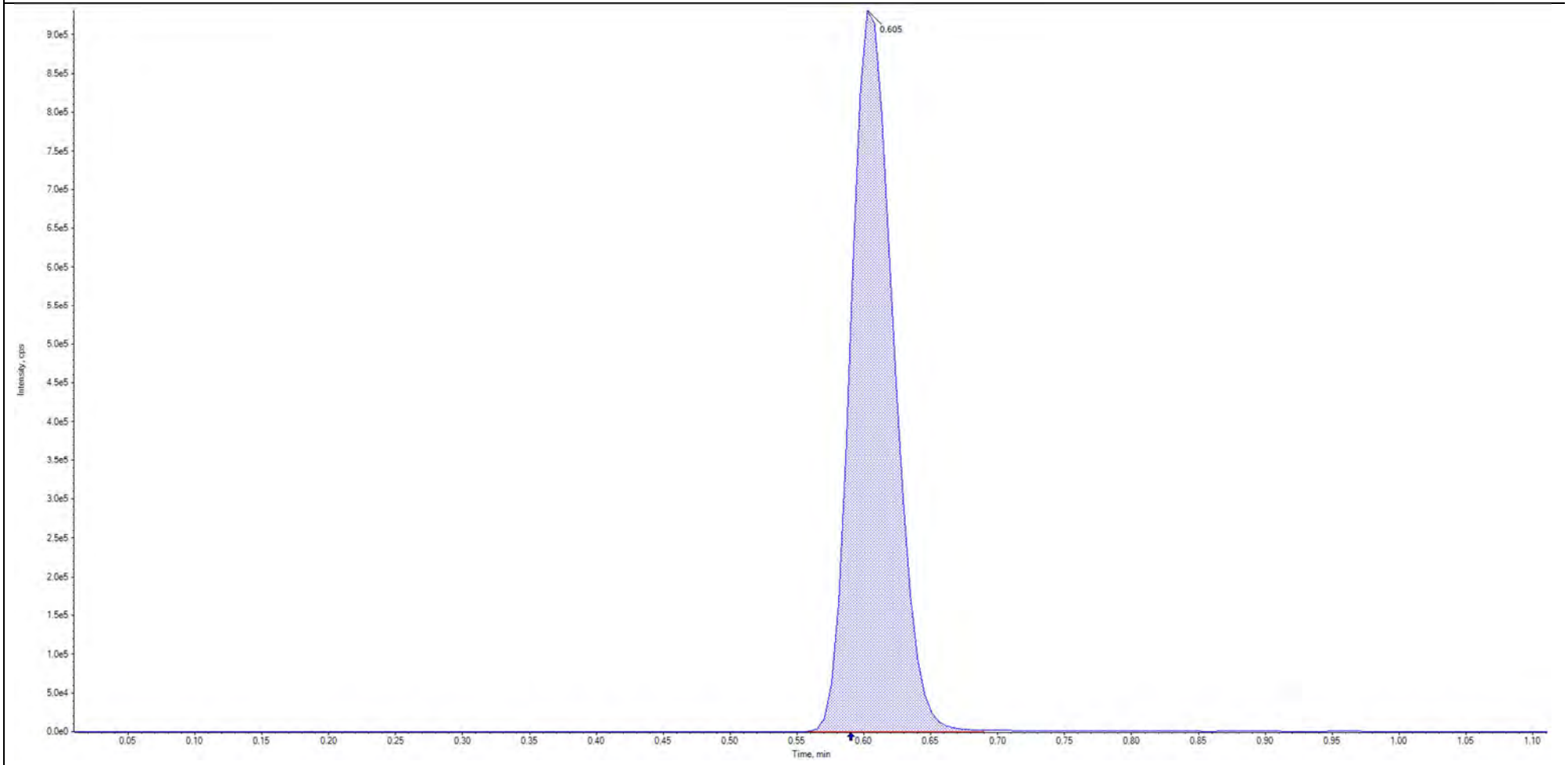
13C4-PFBA
Sample: IA1633STD-12.5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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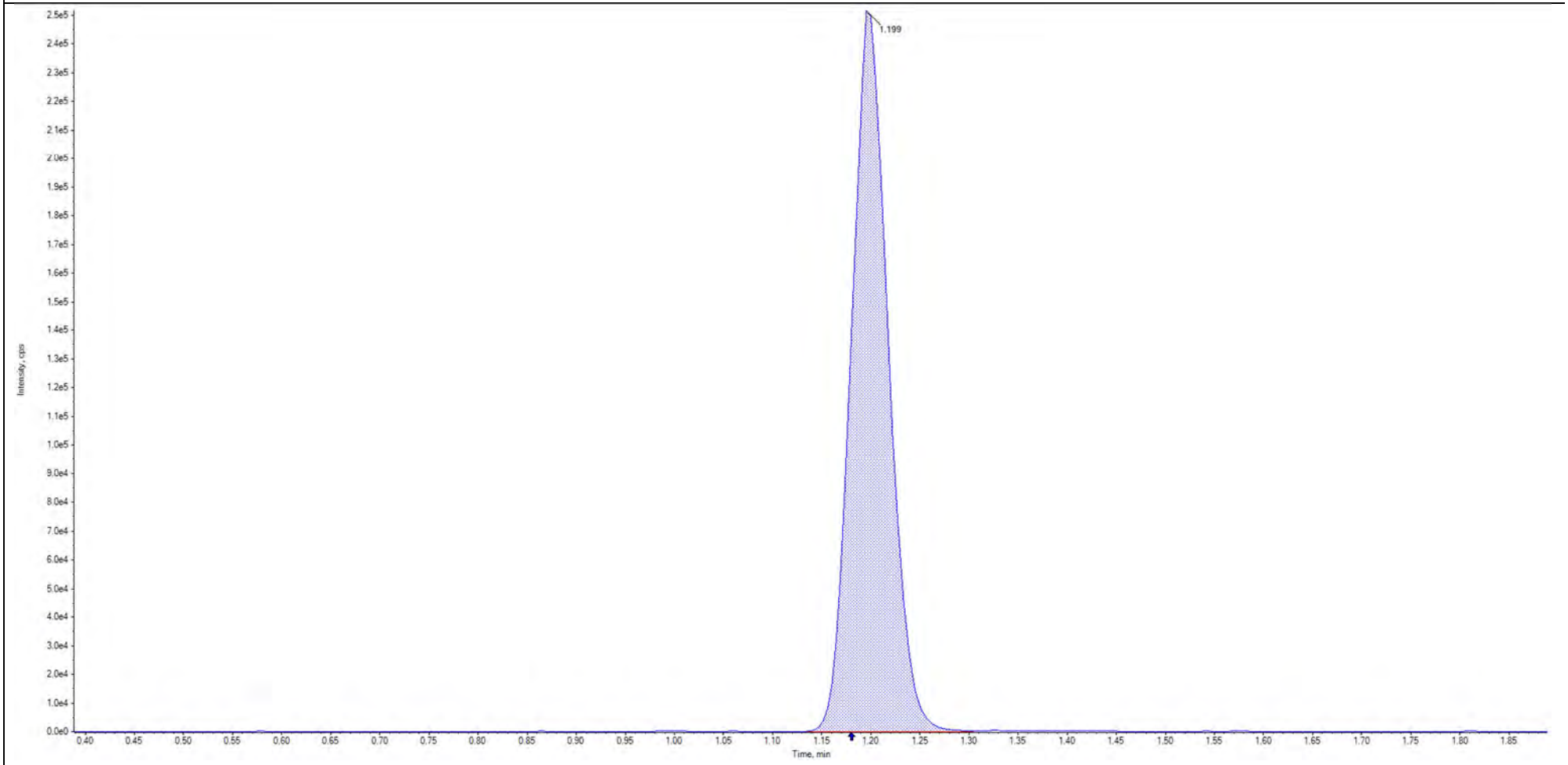
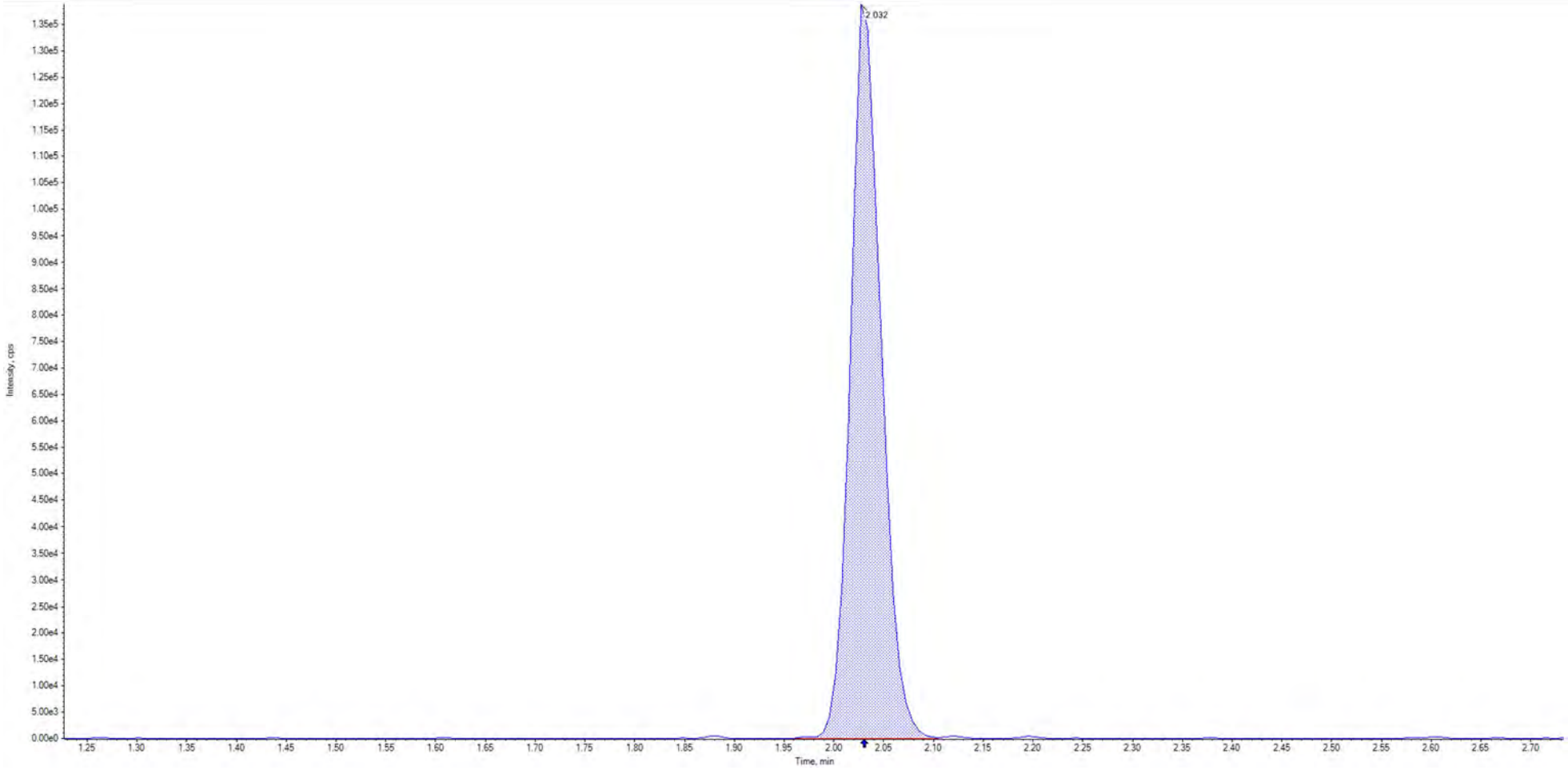
13C5-PFPeA
Sample: IA1633STD-12.5



13C5-PFHxA
Sample: IA1633STD-12.5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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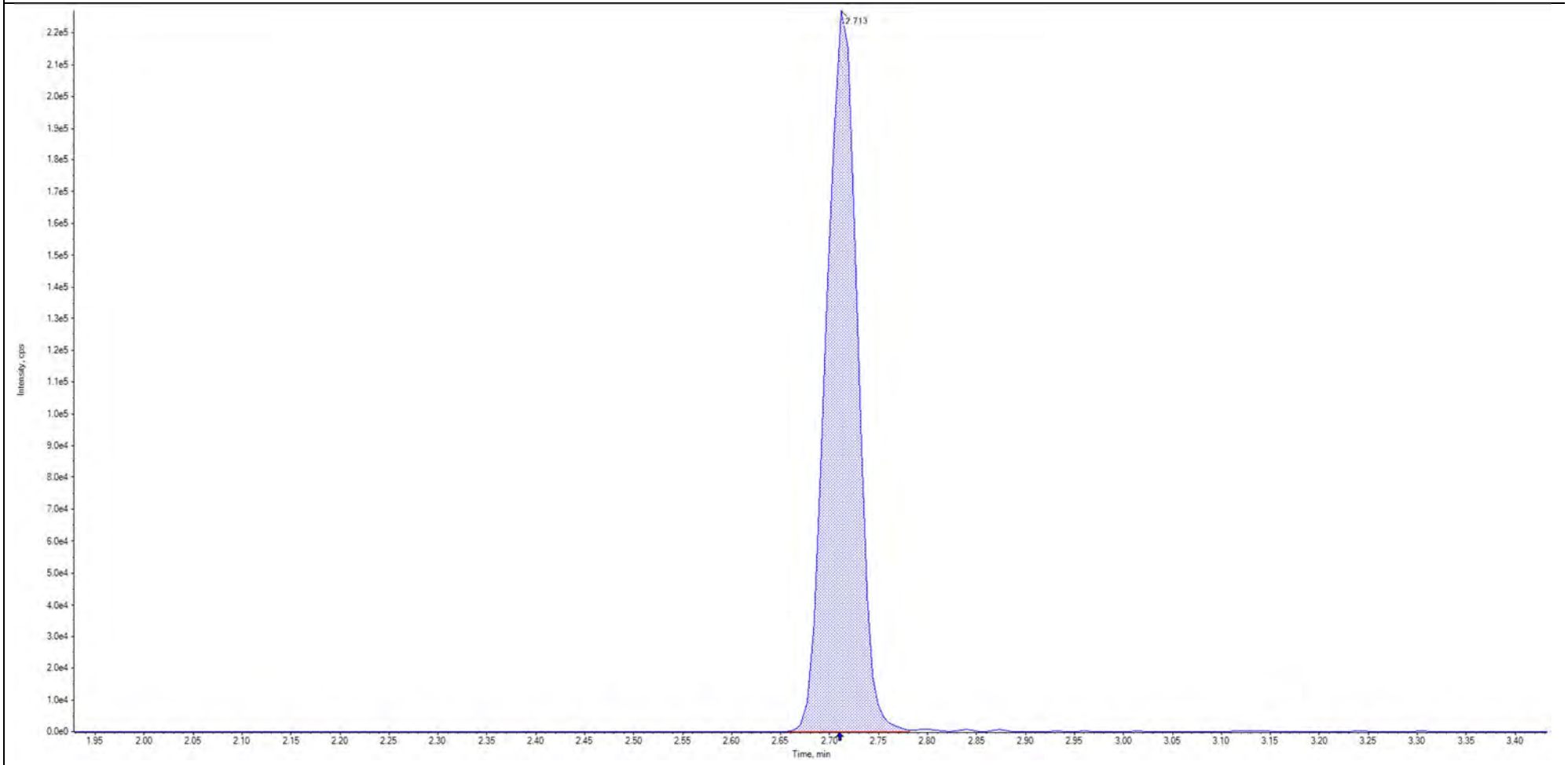
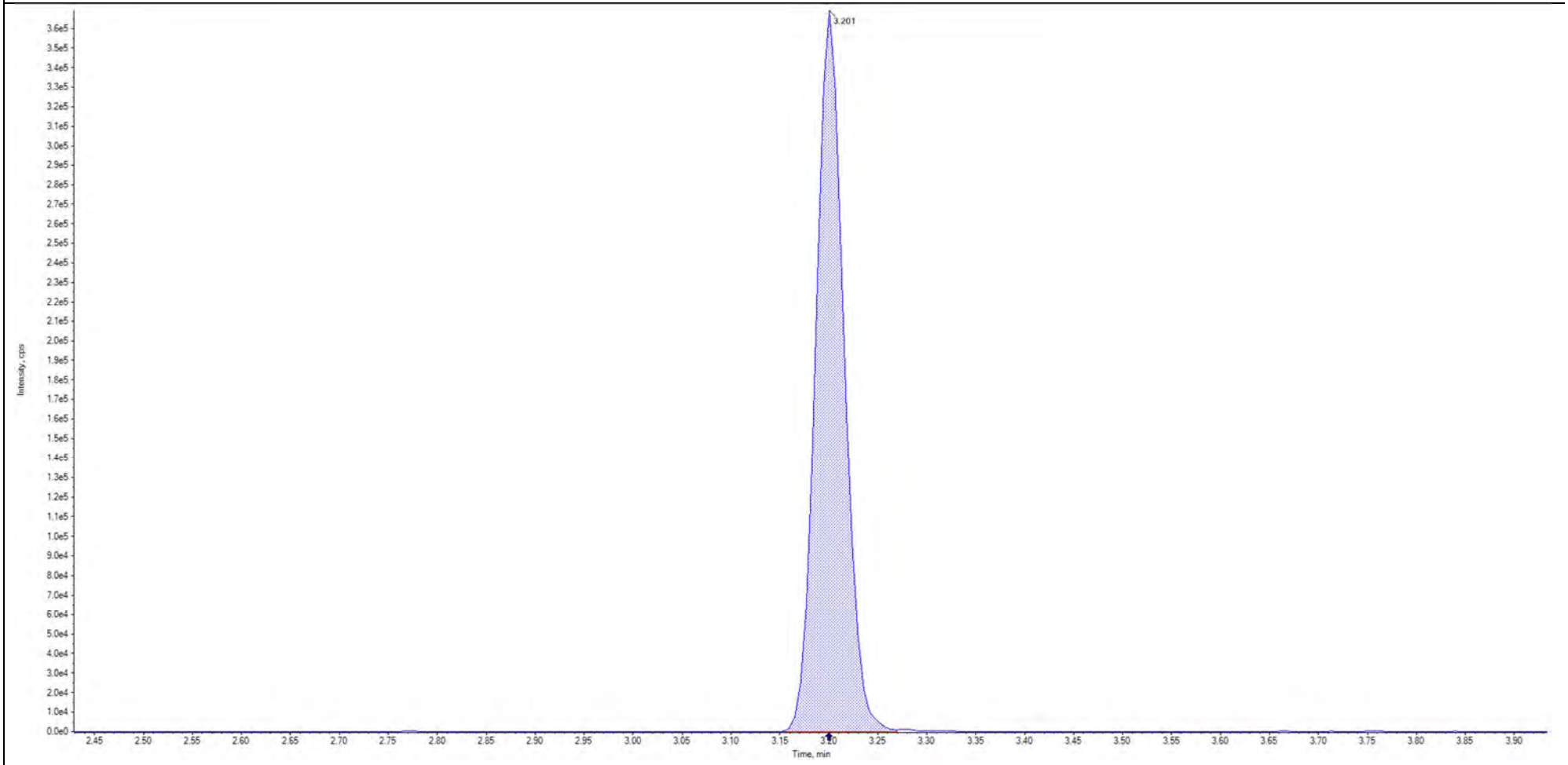
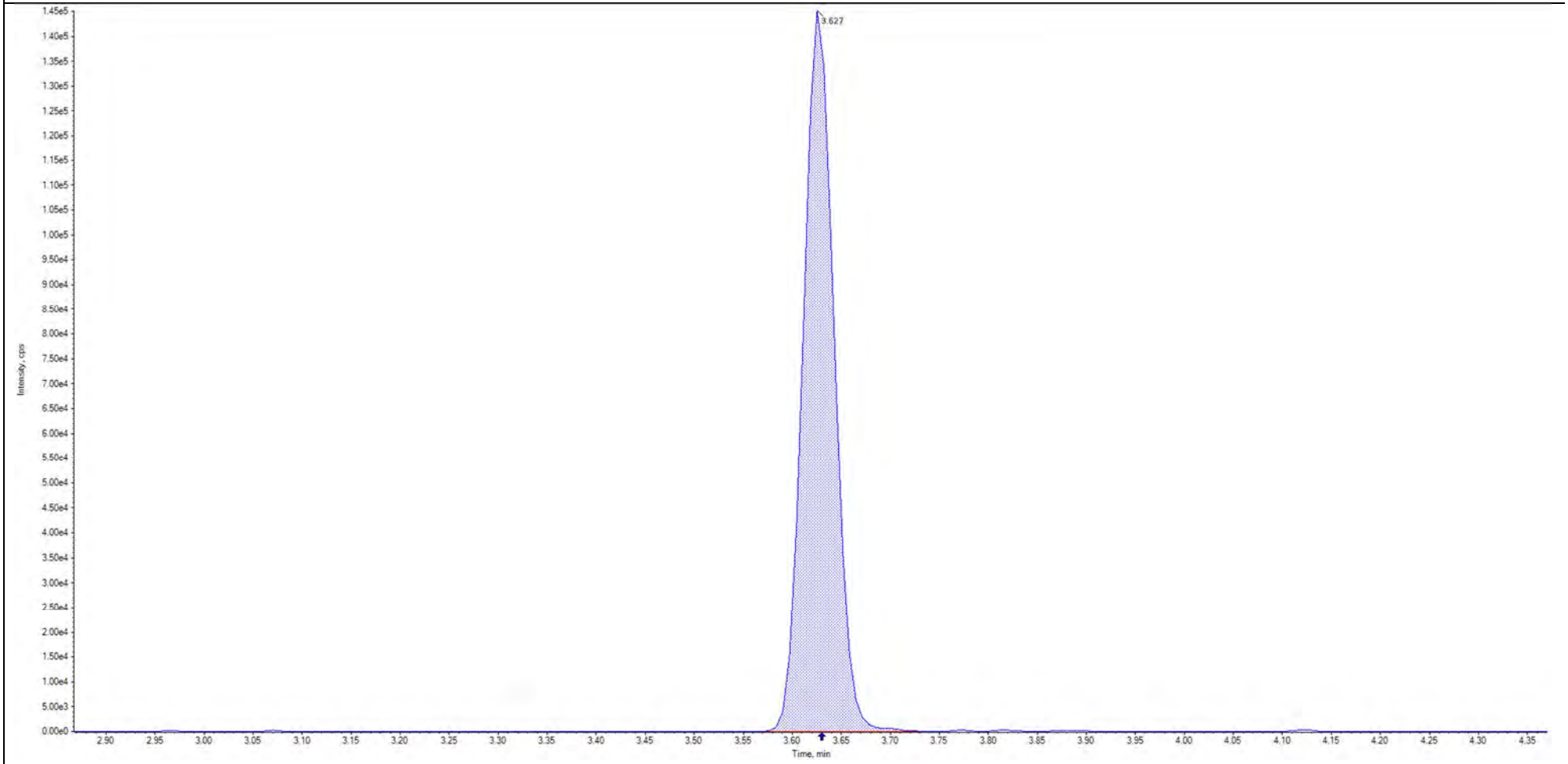
13C4-PFHpA
Sample: IA1633STD-12.5



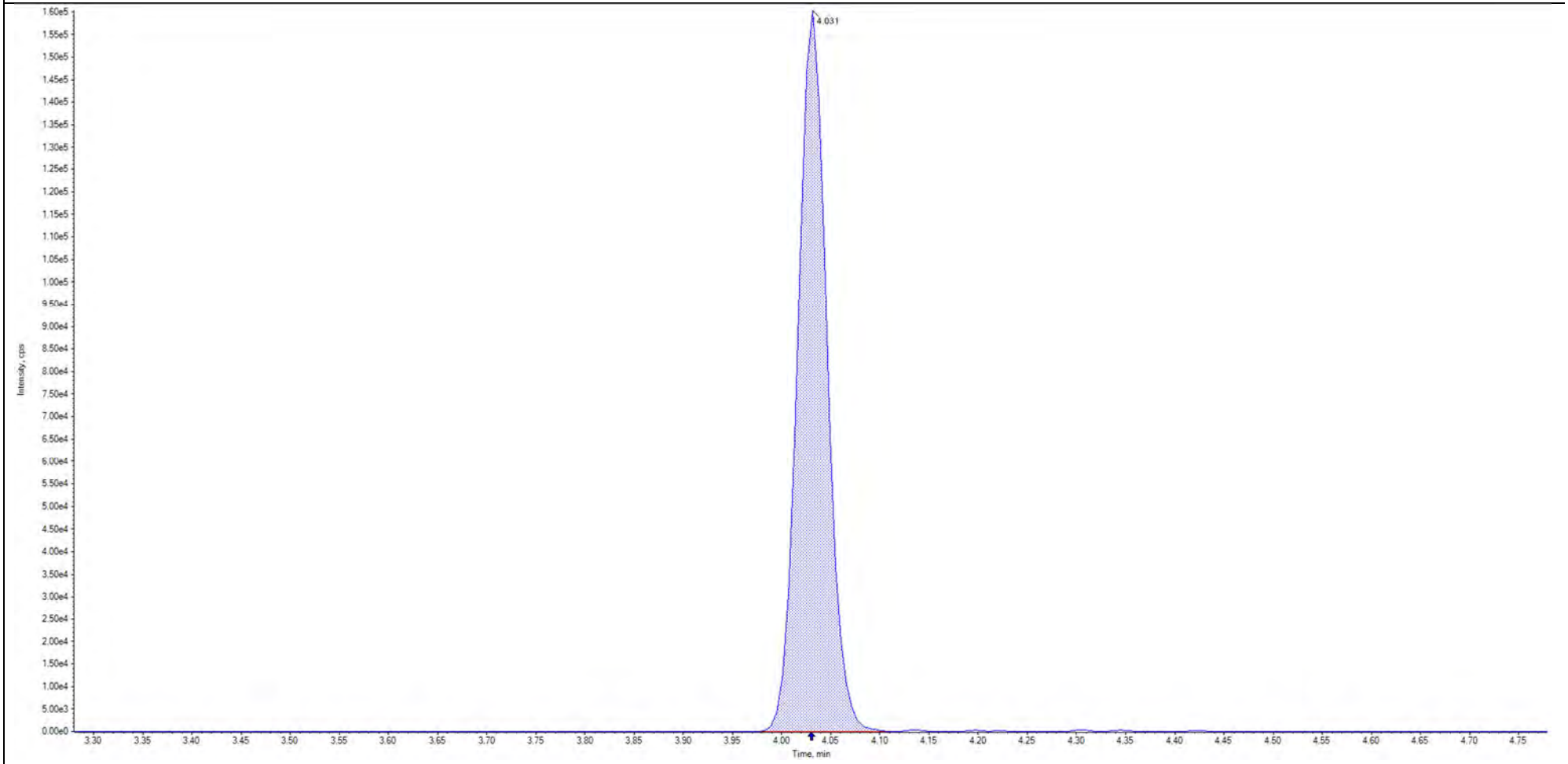
13C8-PFOA
Sample: IA1633STD-12.5



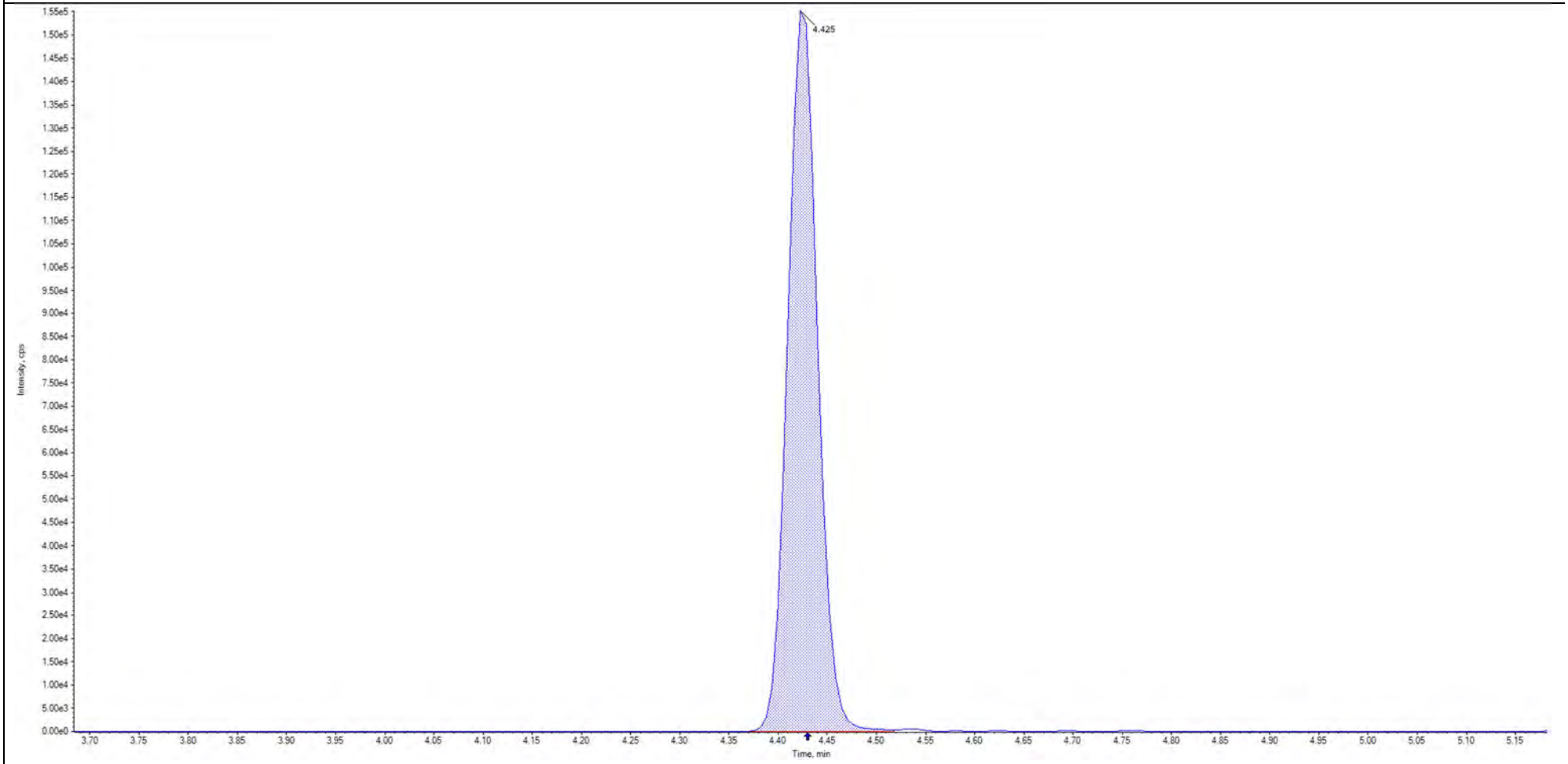
13C9-PFNA
Sample: IA1633STD-12.5



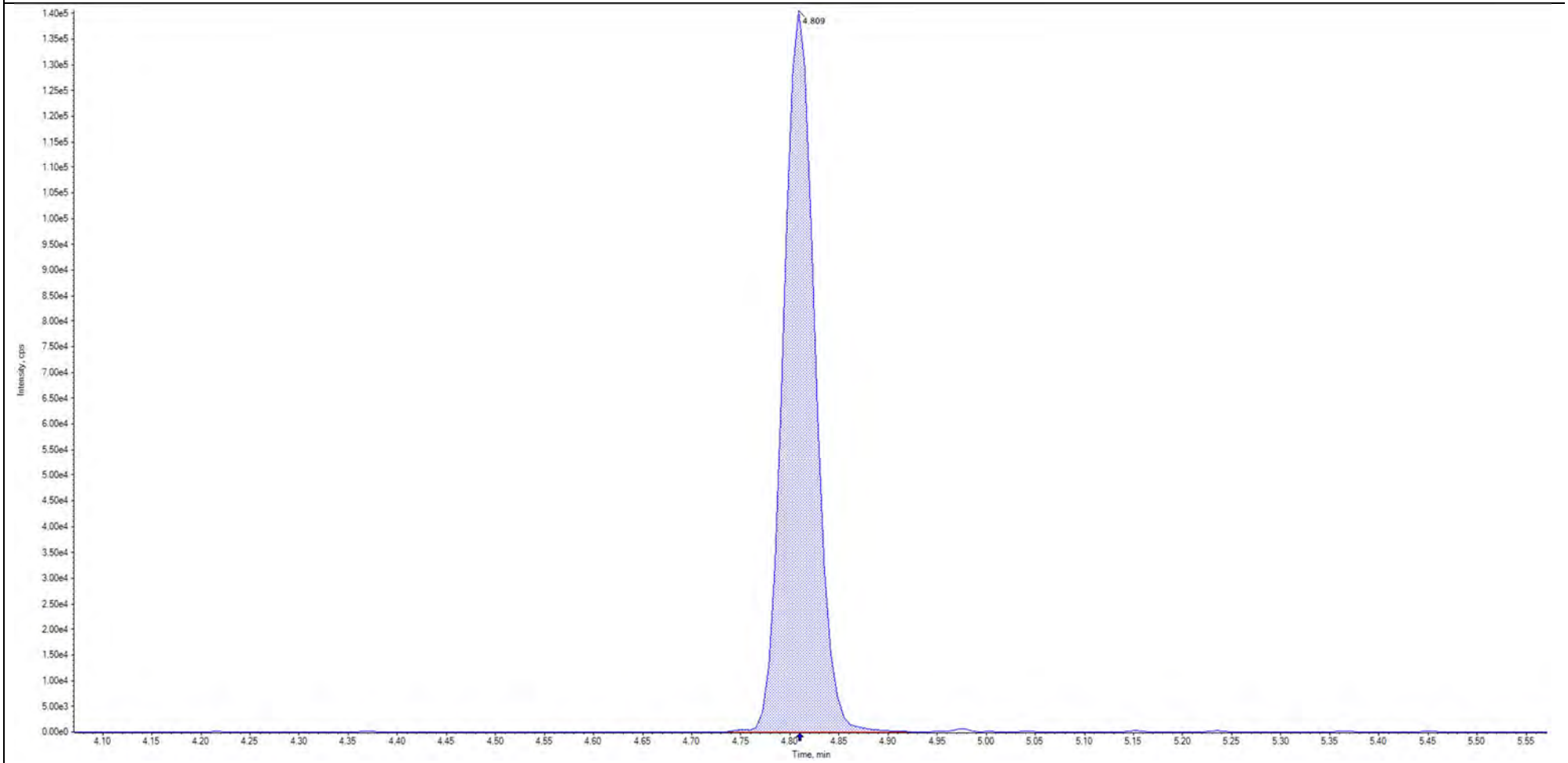
13C6-PFDA
Sample: IA1633STD-12.5



13C7-PFUnA
Sample: IA1633STD-12.5



13C2-PFDoA
Sample: IA1633STD-12.5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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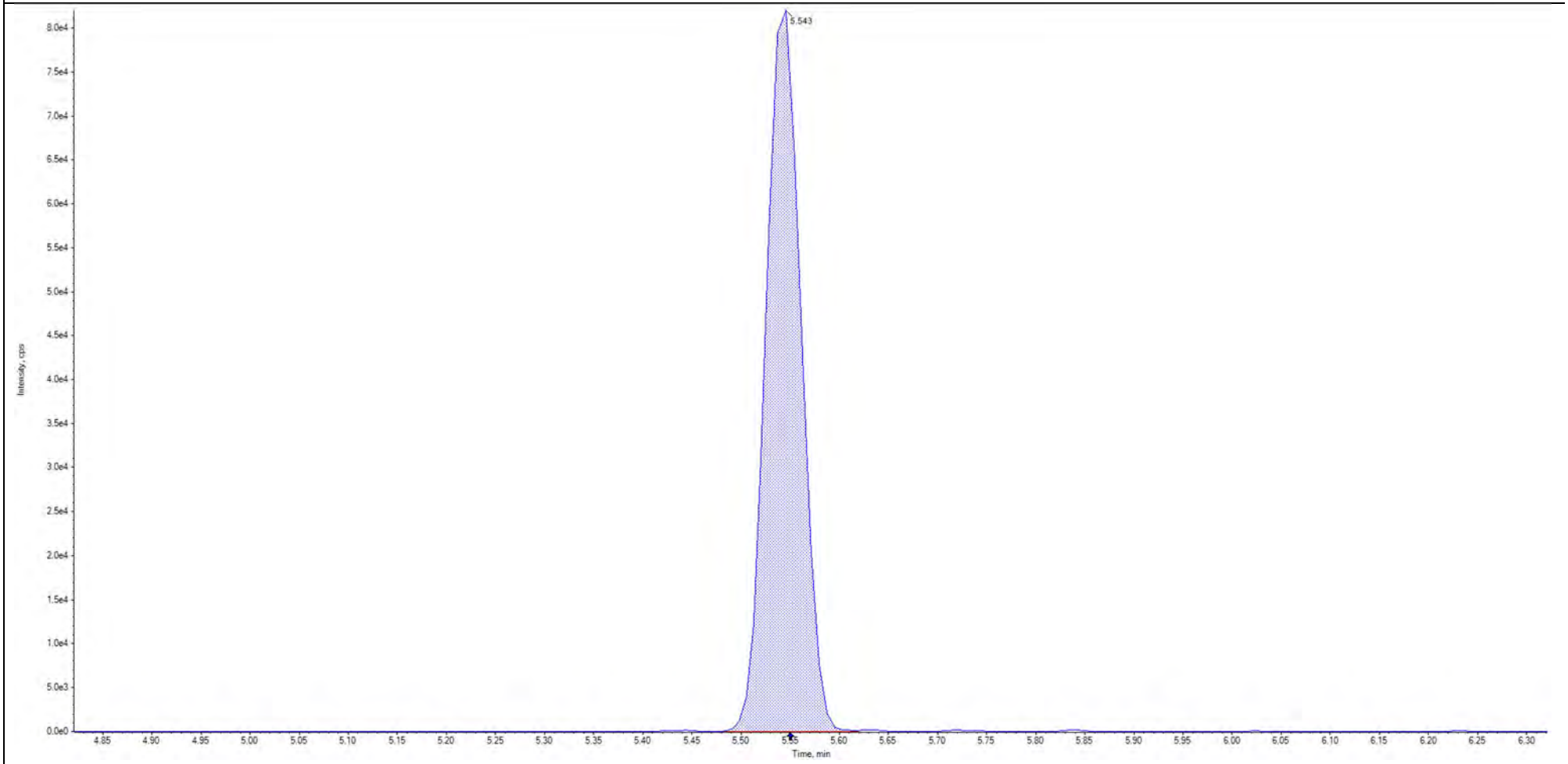
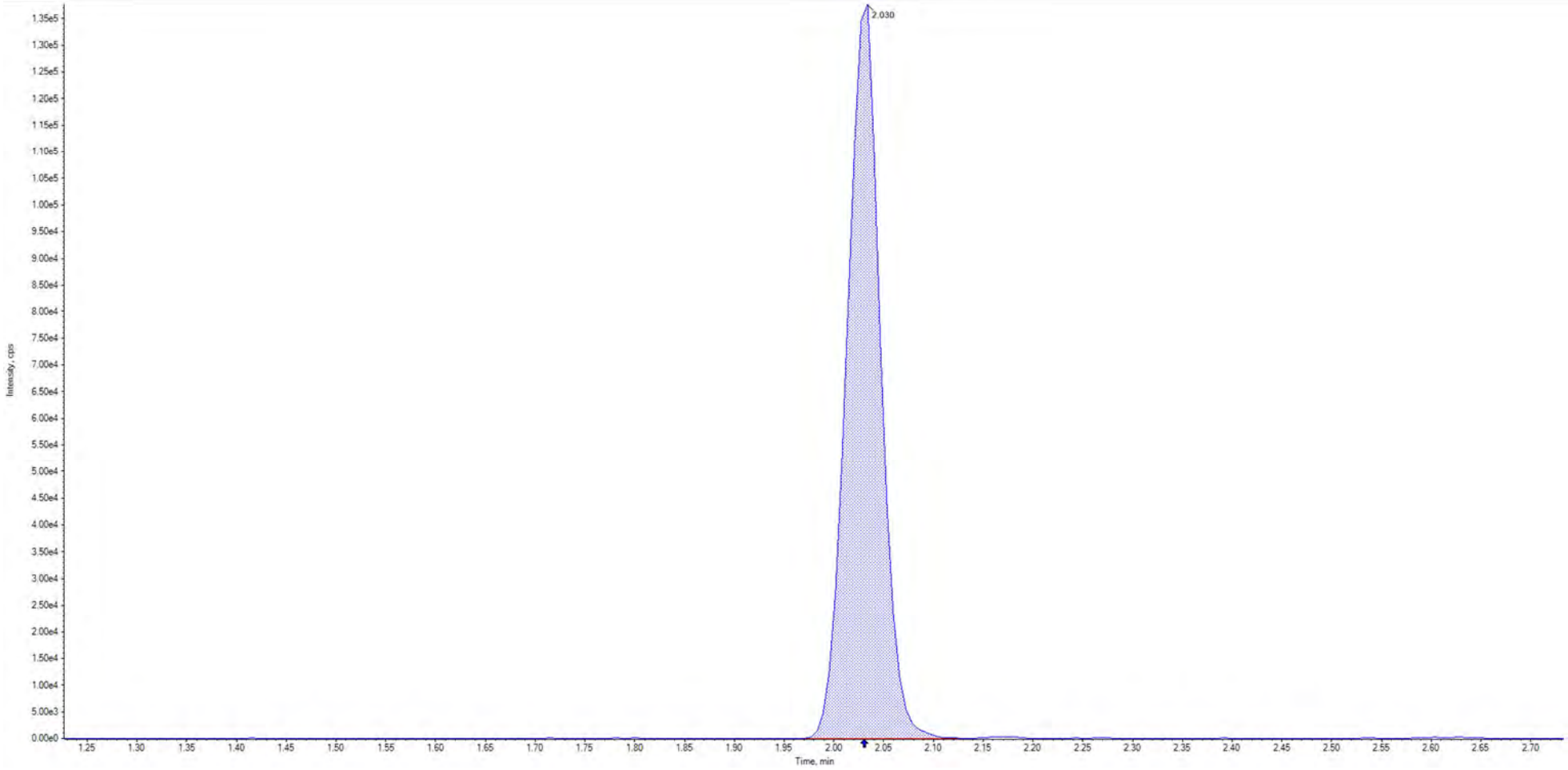
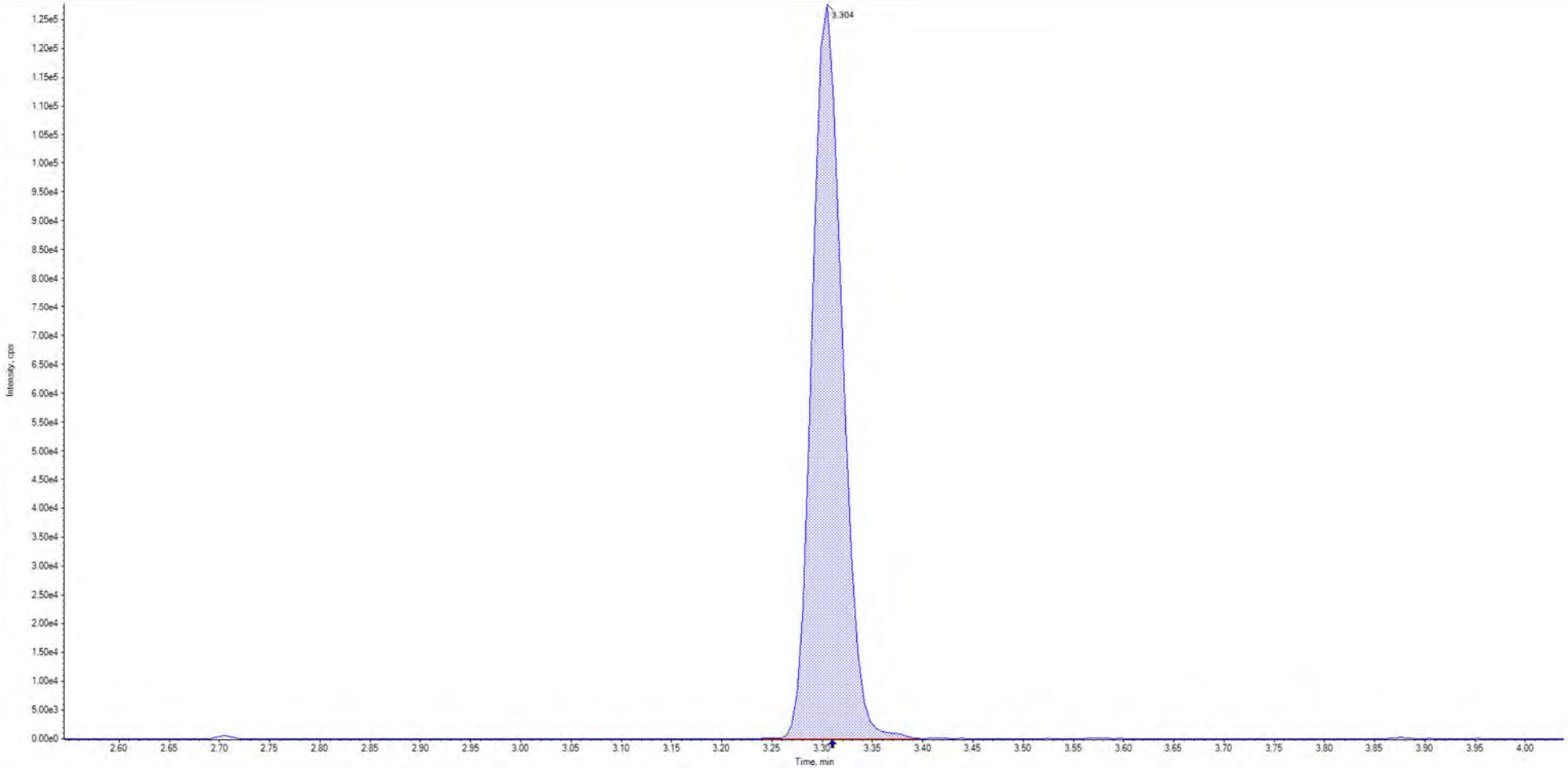
13C2-PFTeDA
Sample: IA1633STD-12.5



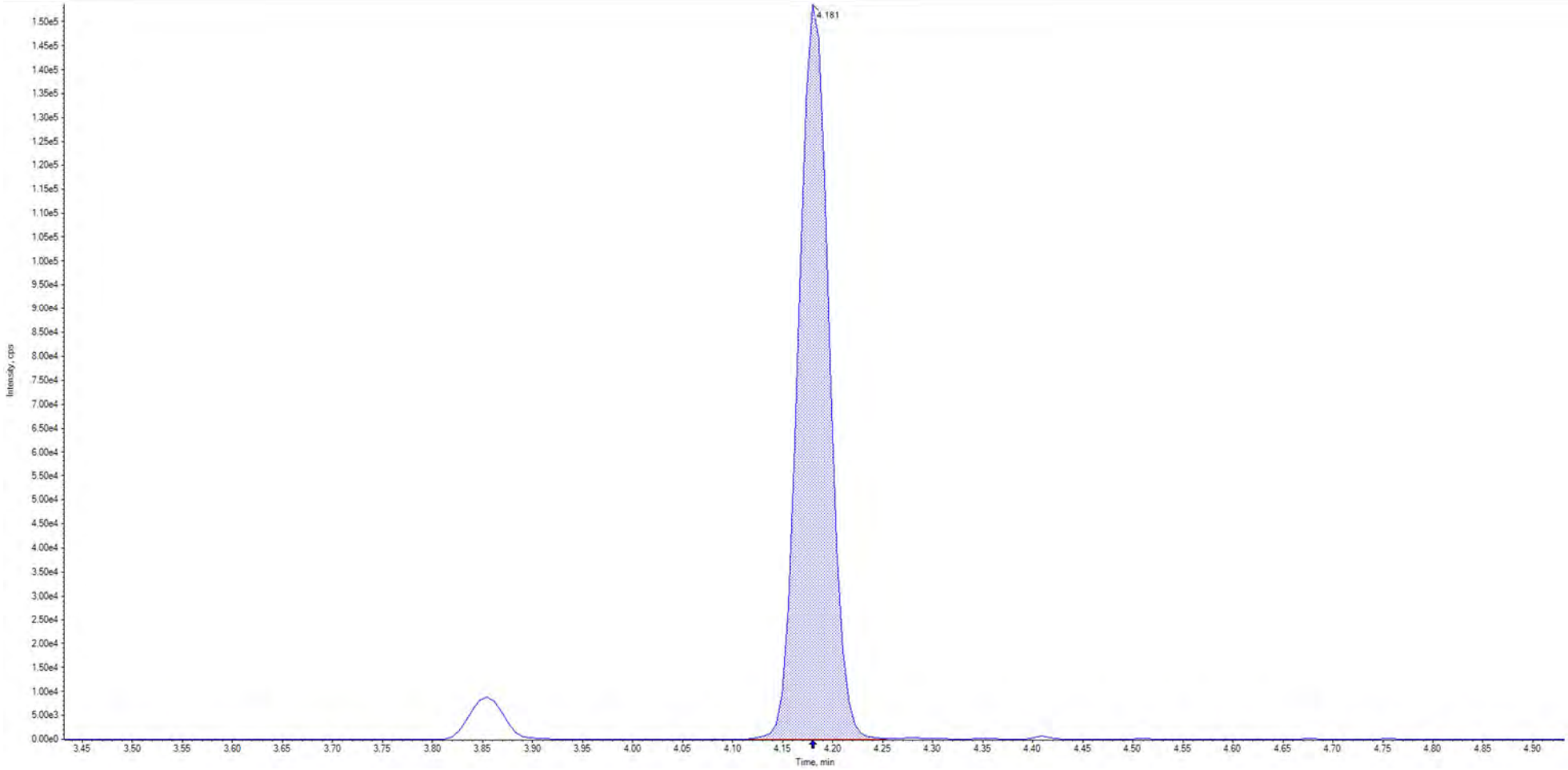
13C3-PFBS
Sample: IA1633STD-12.5



13C3-PFHxS
Sample: IA1633STD-12.5



13C8-PFOS
Sample: IA1633STD-12.5



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Alpha Analytical LLC
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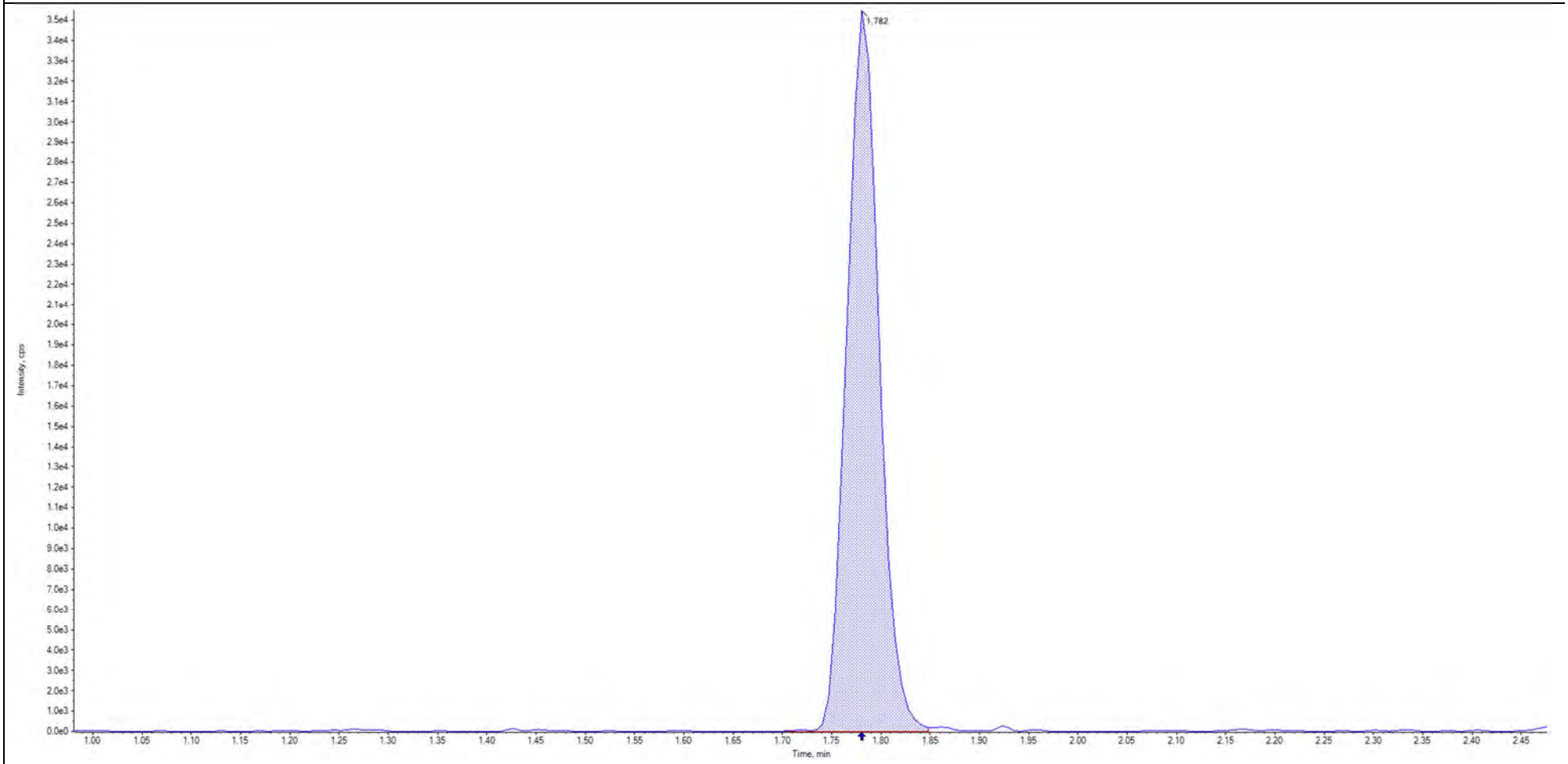
13C2-4:2FTS
Sample: IA1633STD-12.5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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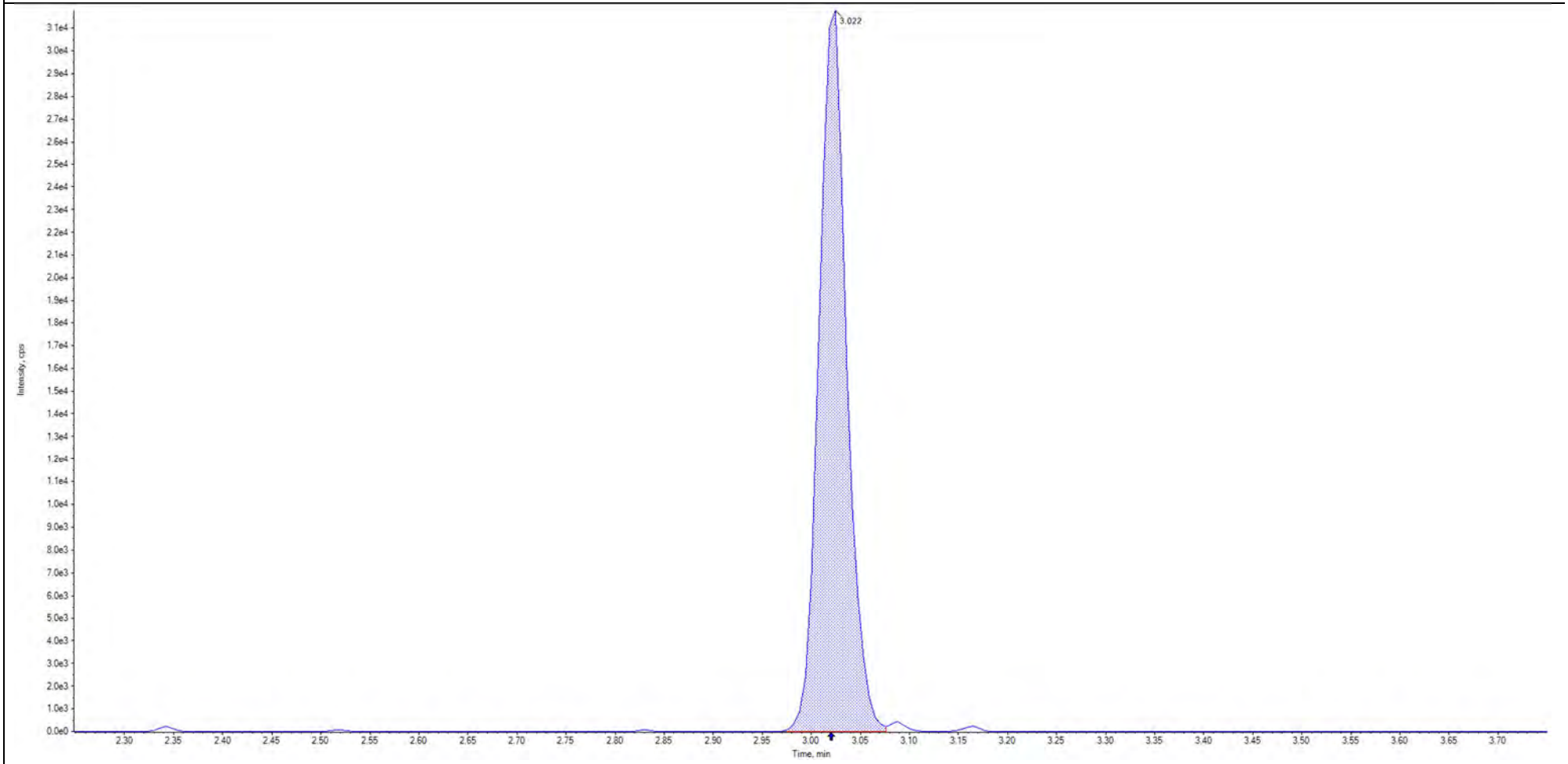
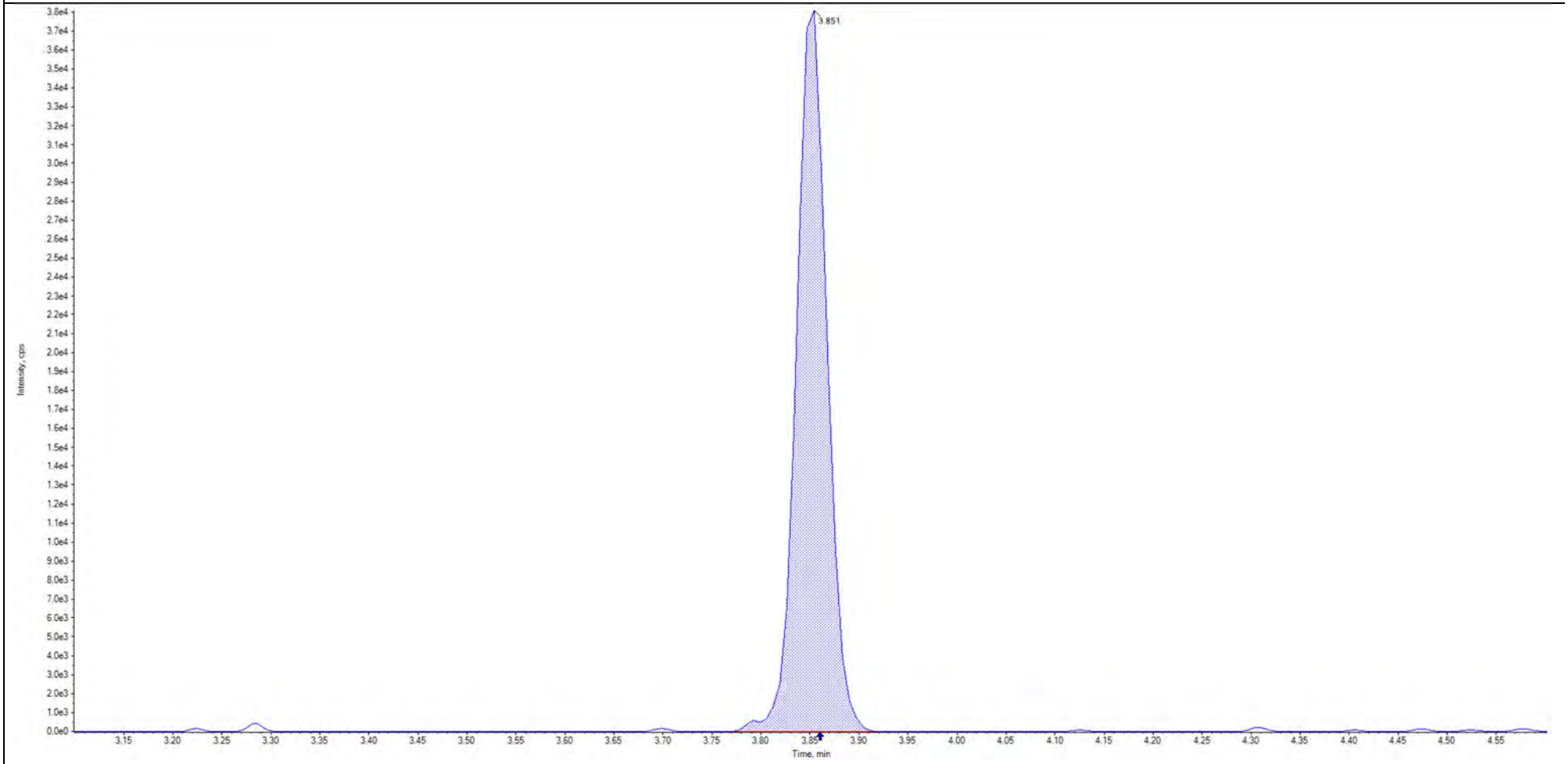
13C2-6:2FTS
Sample: IA1633STD-12.5



13C2-8:2FTS
Sample: IA1633STD-12.5



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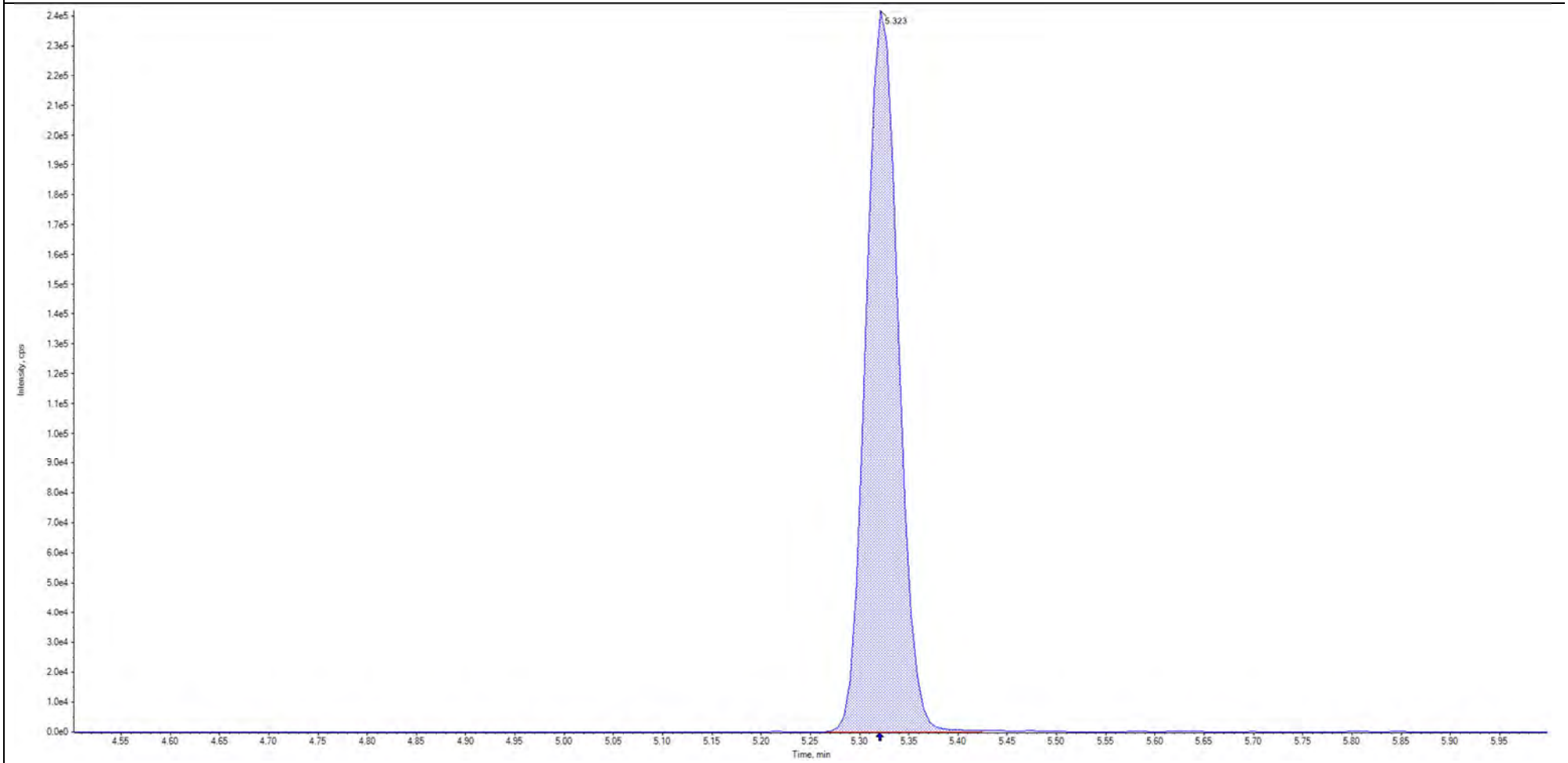
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

13C8-PFOSA
Sample: IA1633STD-12.5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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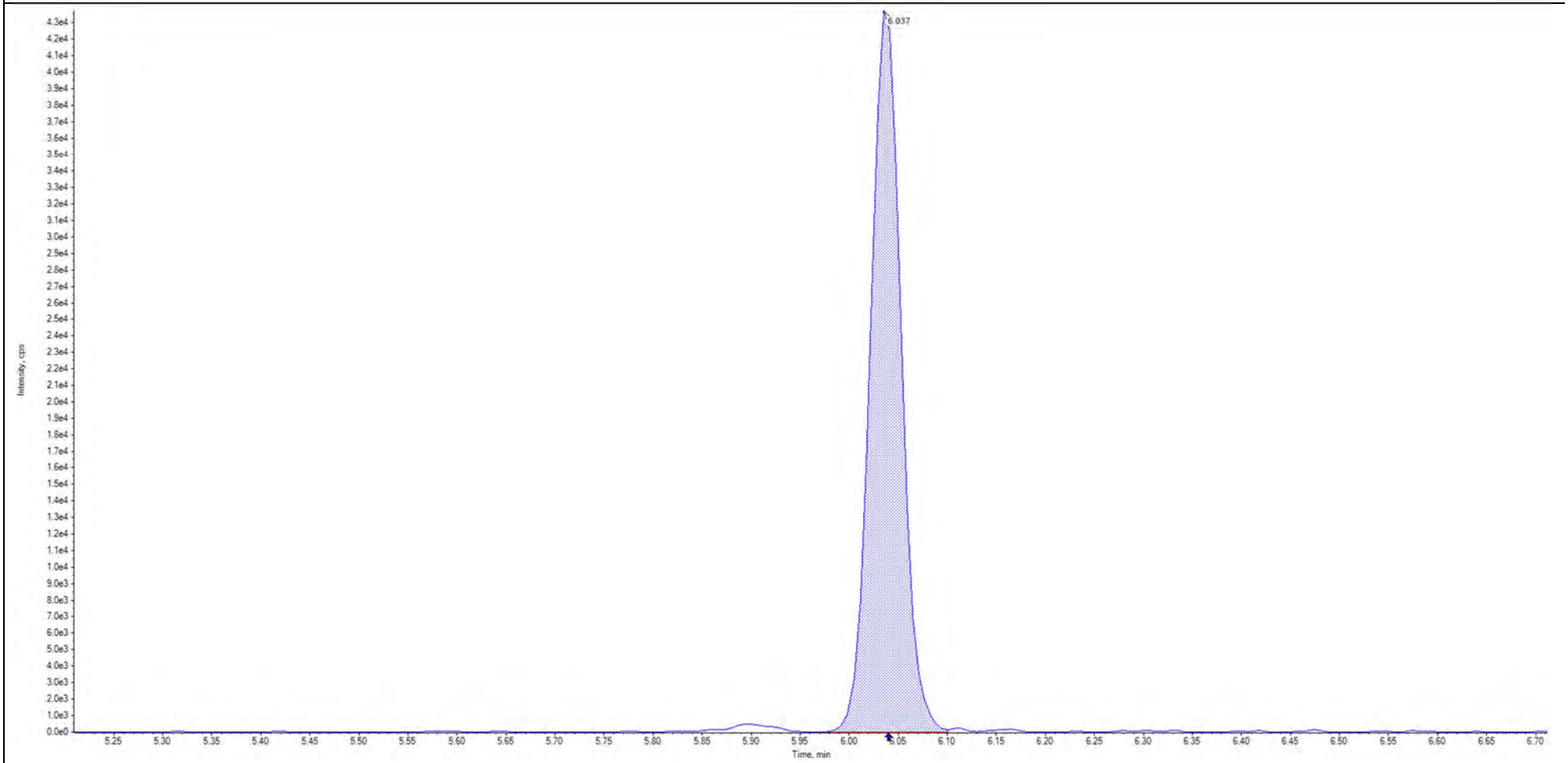
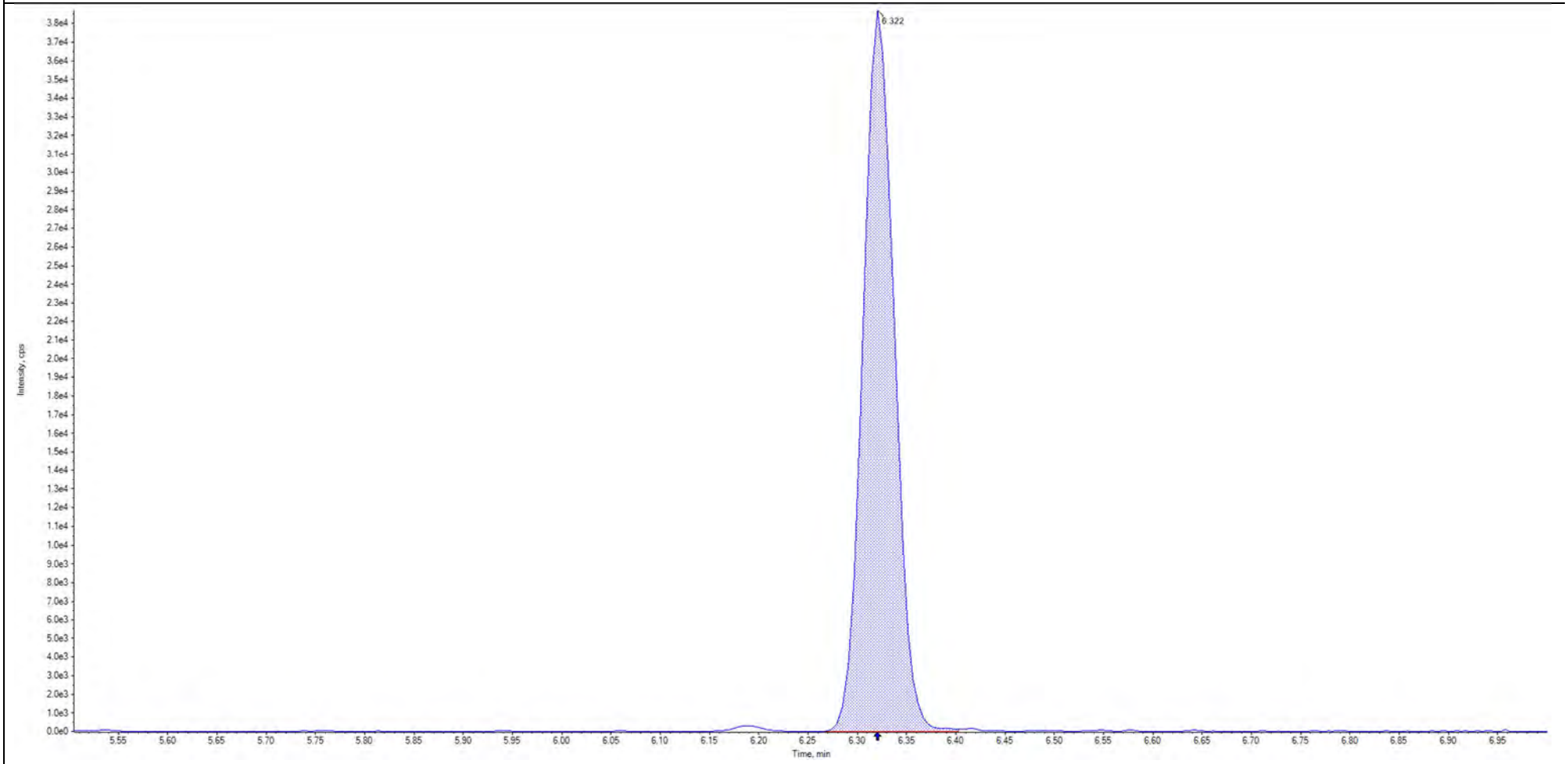
Generated: 2/28/2025 12:43:00 PM

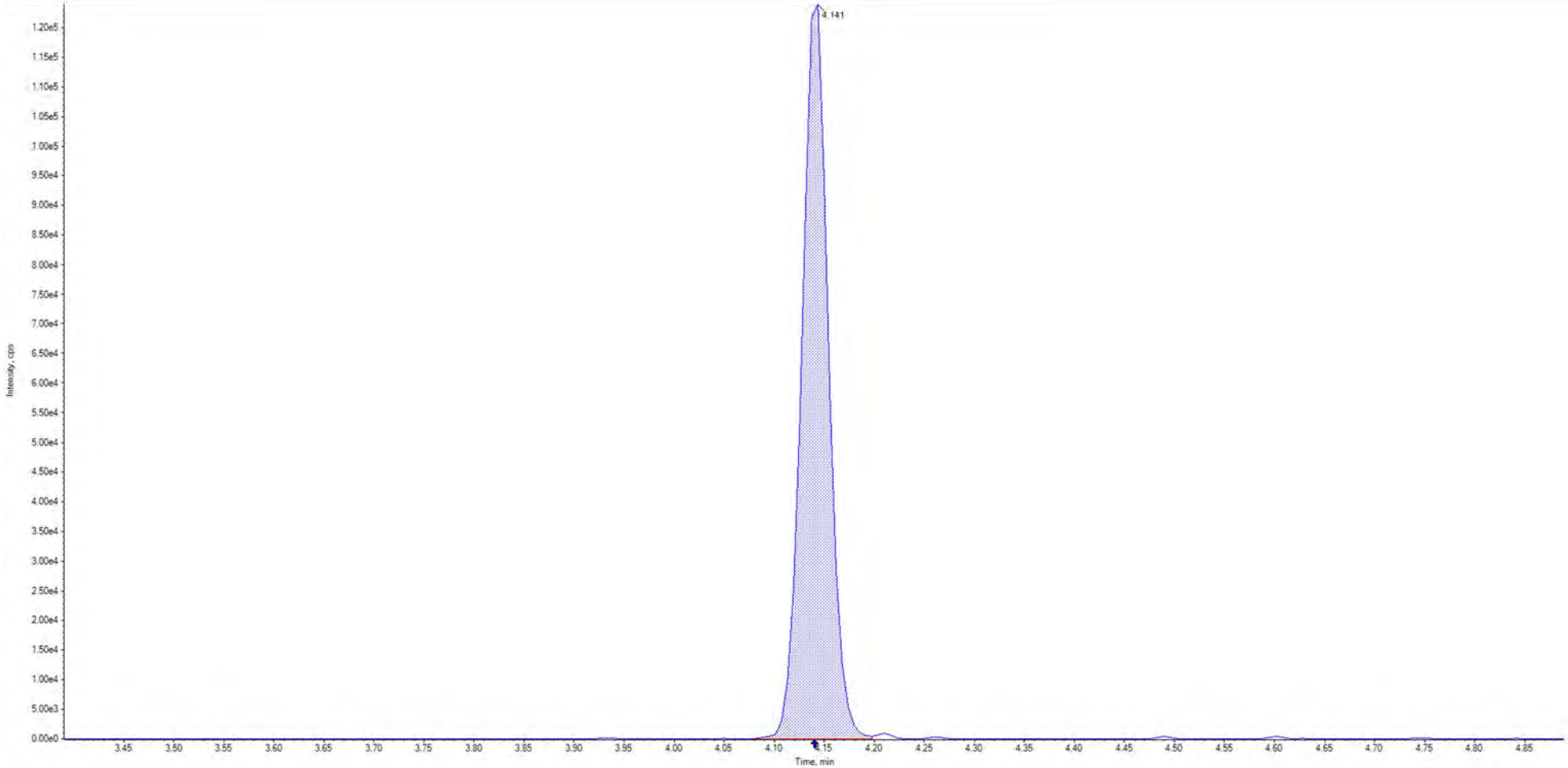
d3-NMeFOSA
Sample: IA1633STD-12.5



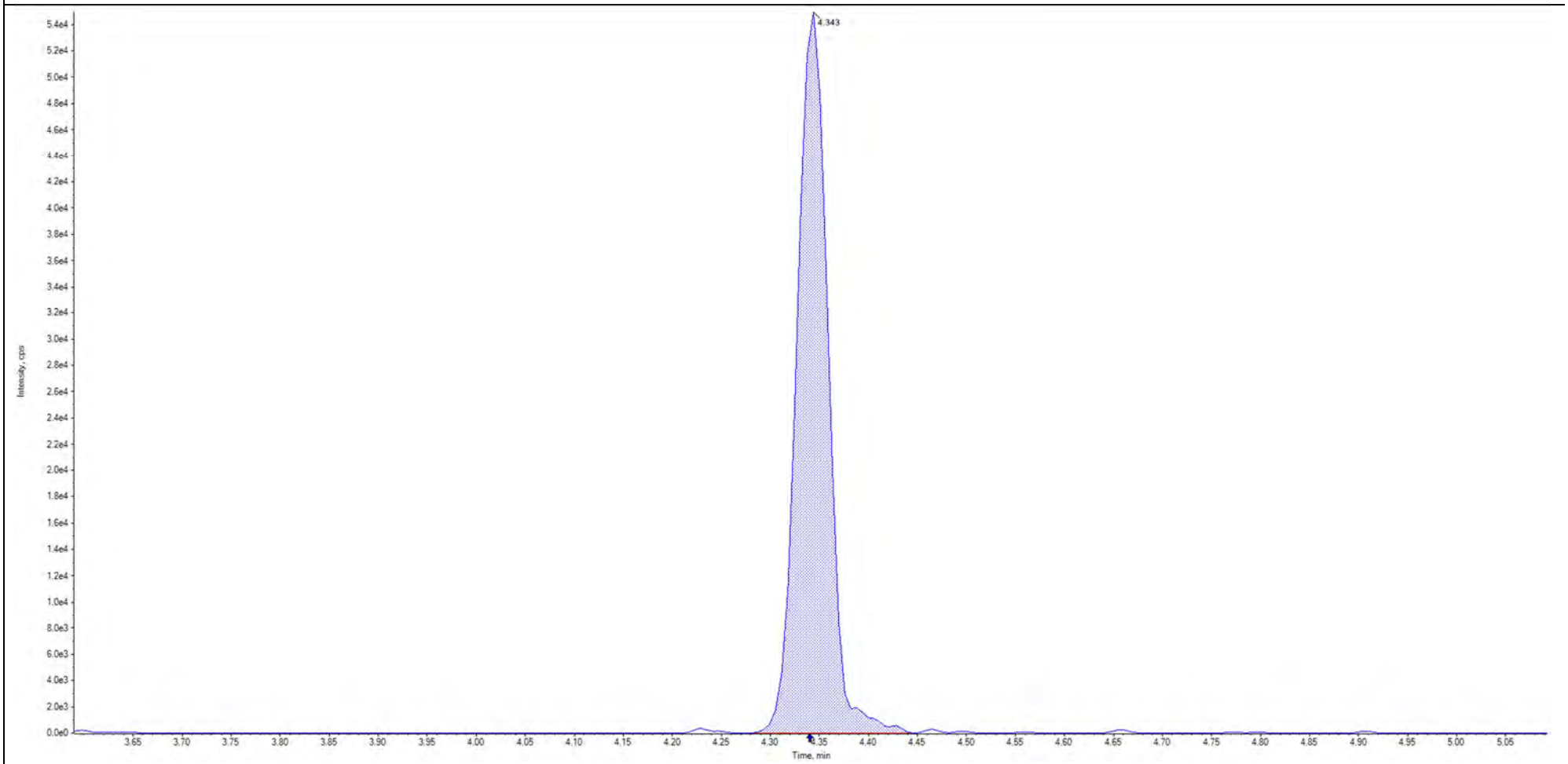
d5-NEtFOSA
Sample: IA1633STD-12.5



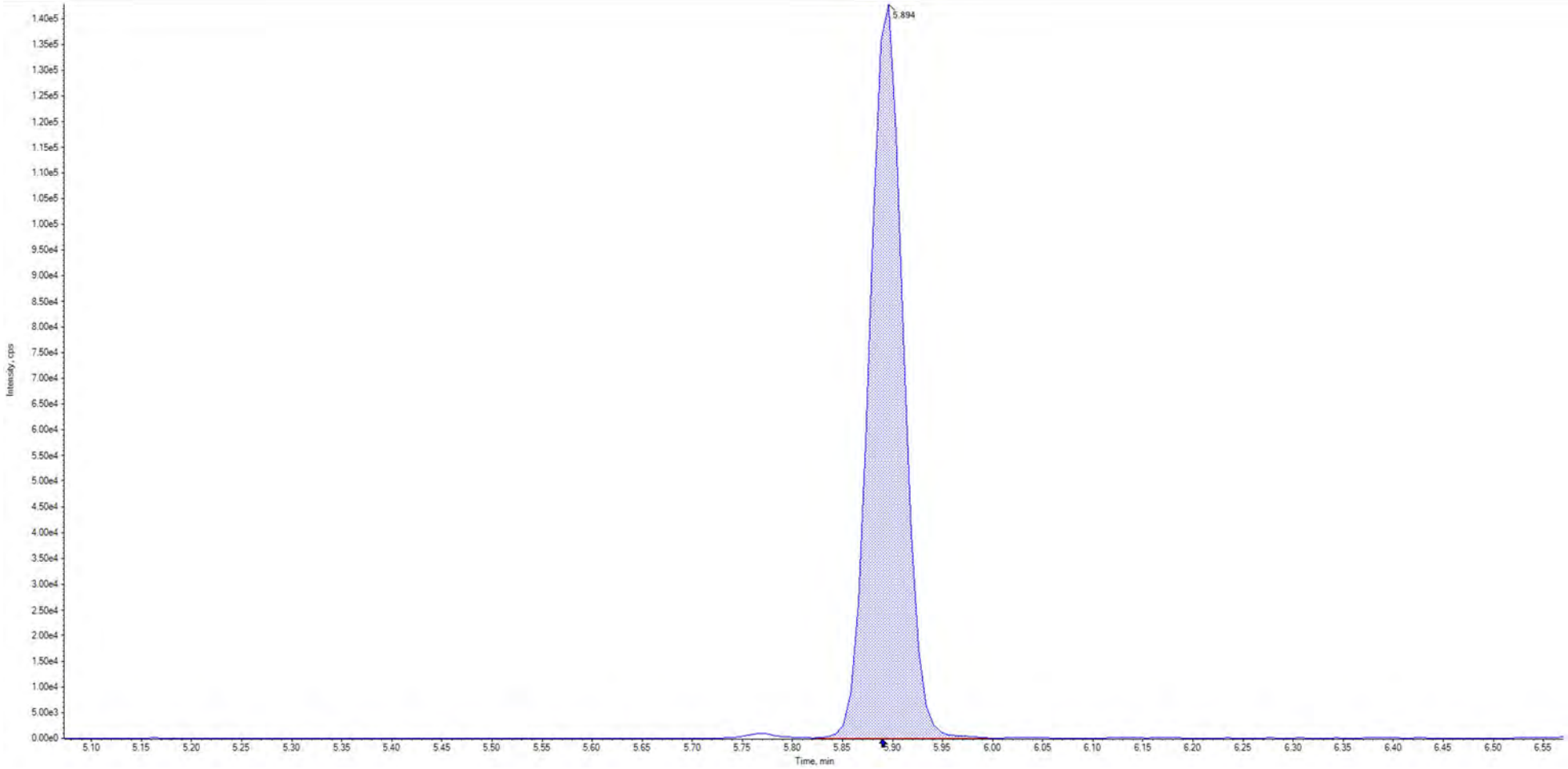
d3-NMeFOSAA
Sample: IA1633STD-12.5



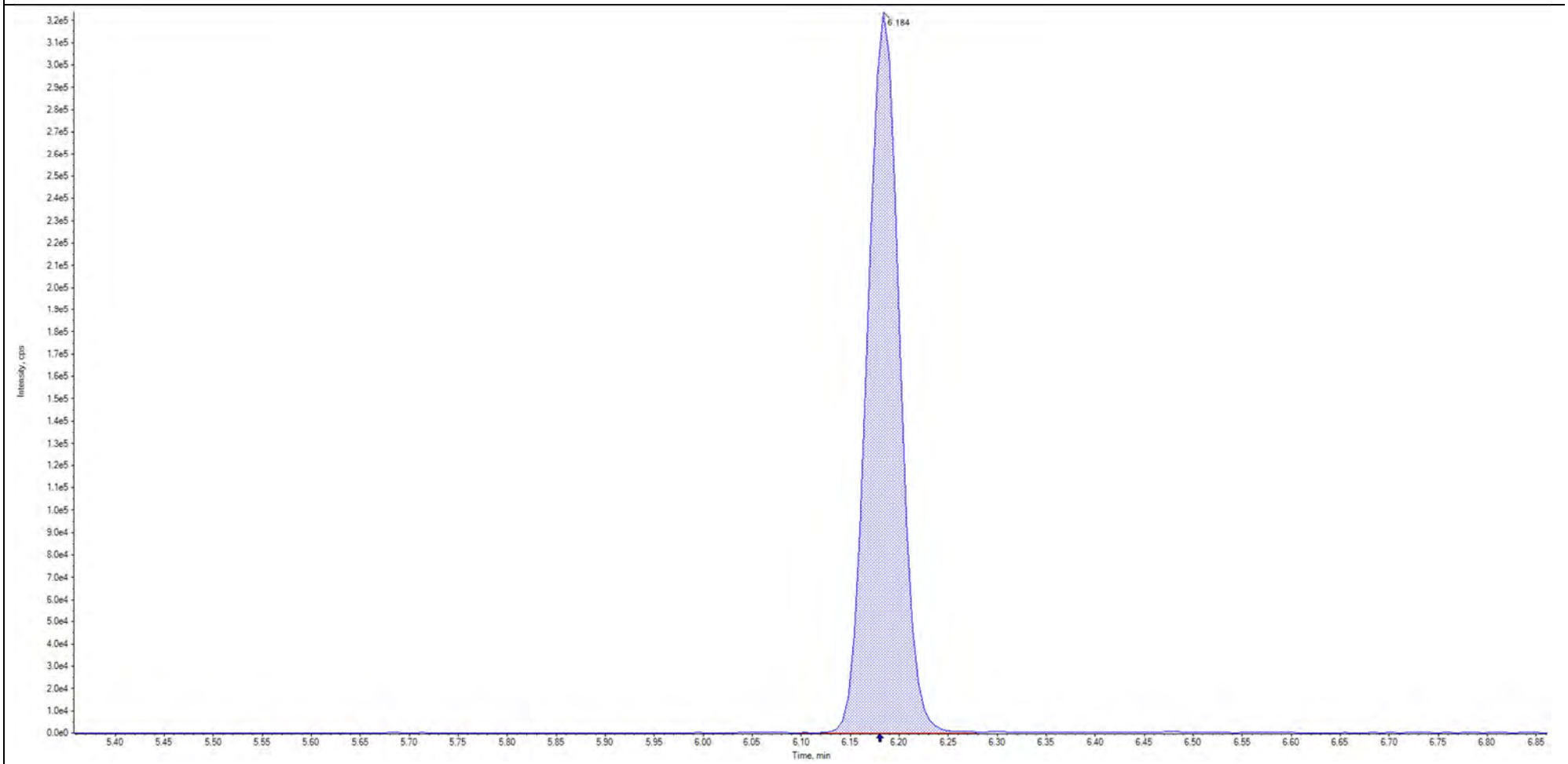
d5-NEtFOSAA
Sample: IA1633STD-12.5



d7-NMeFOSE
Sample: IA1633STD-12.5



d9-NEtFOSE
Sample: IA1633STD-12.5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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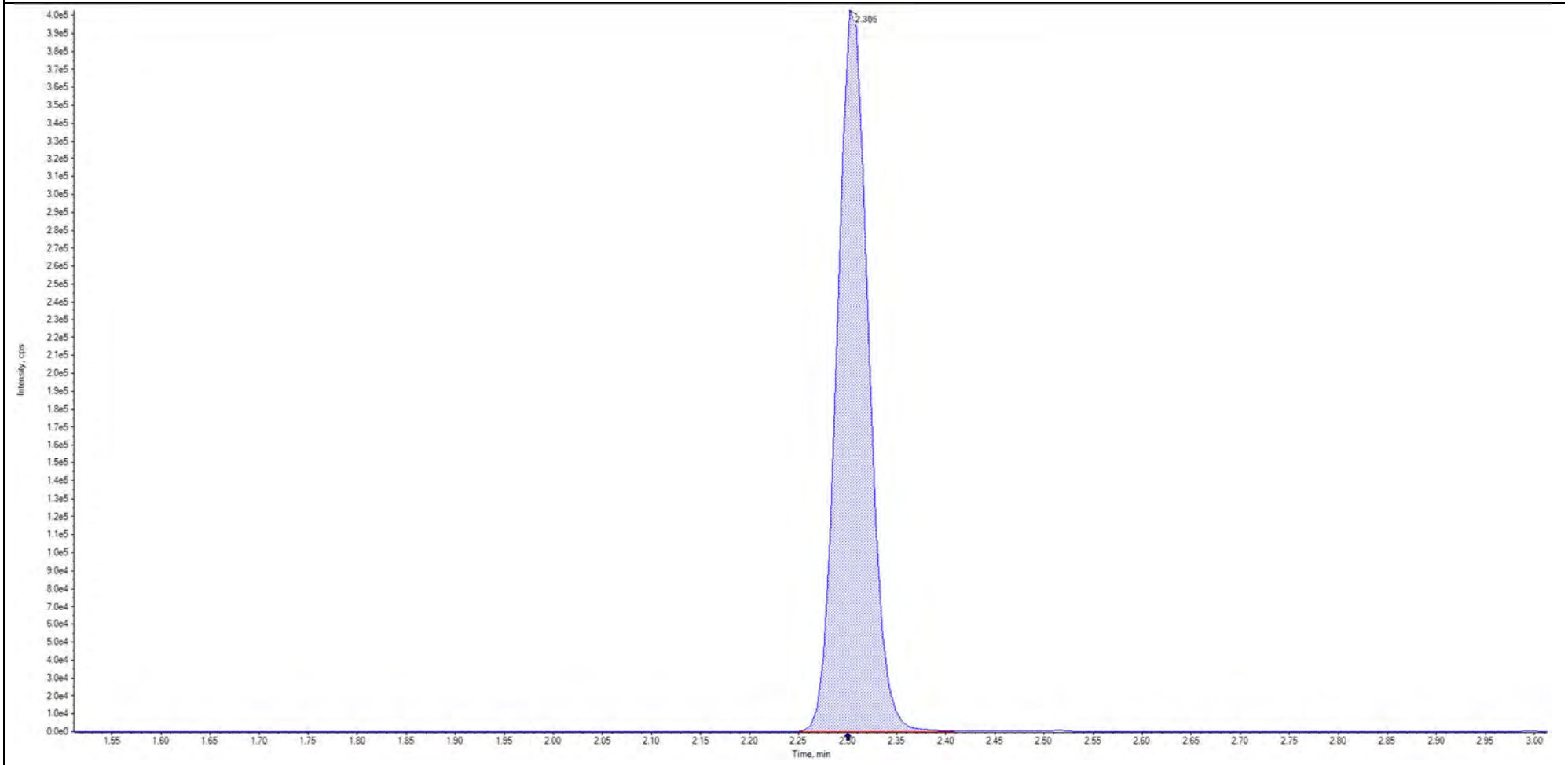
13C3-HFPO-DA
Sample: IA1633STD-12.5



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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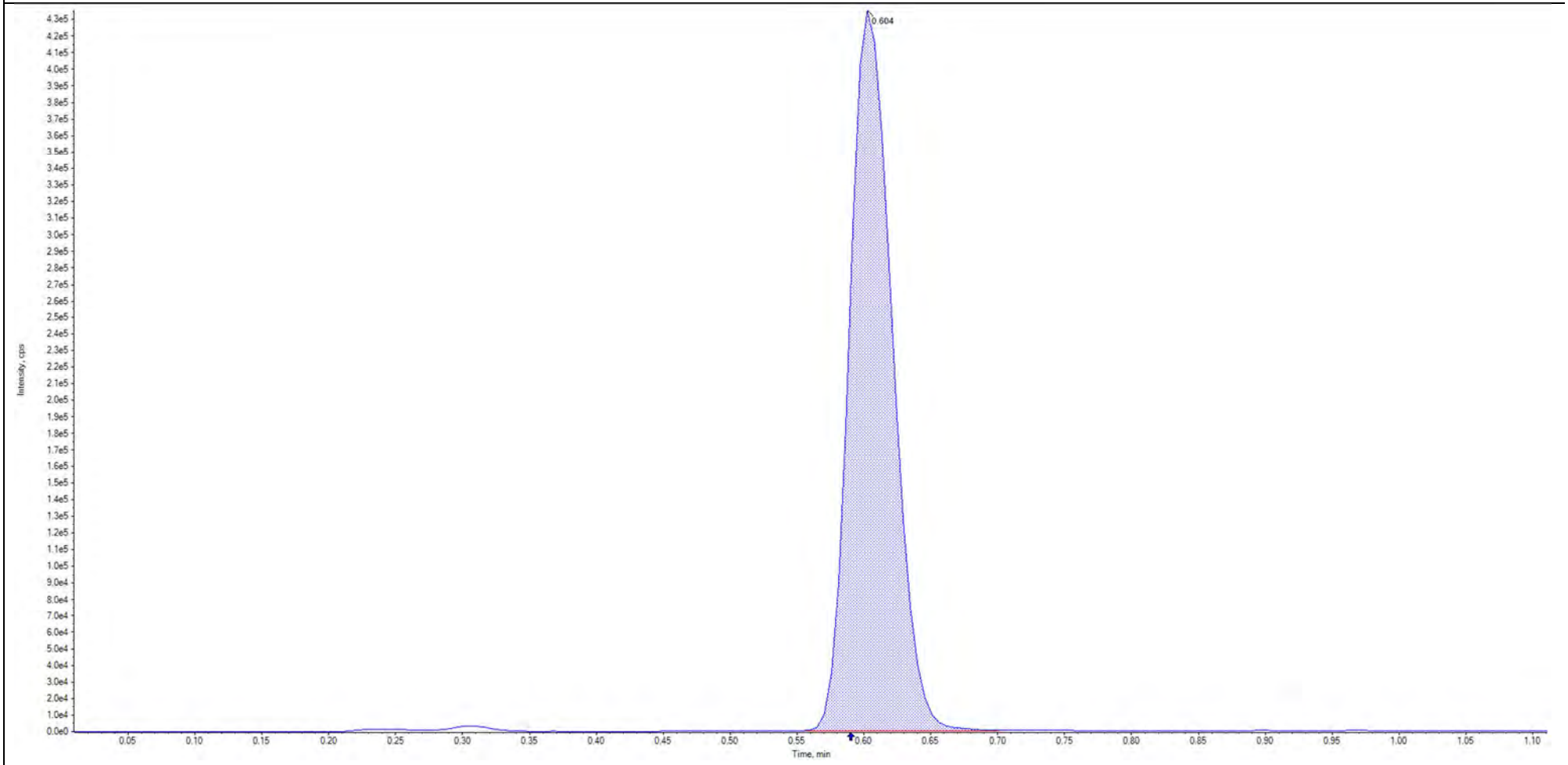
13C3-PFBA
Sample: IA1633STD-12.5



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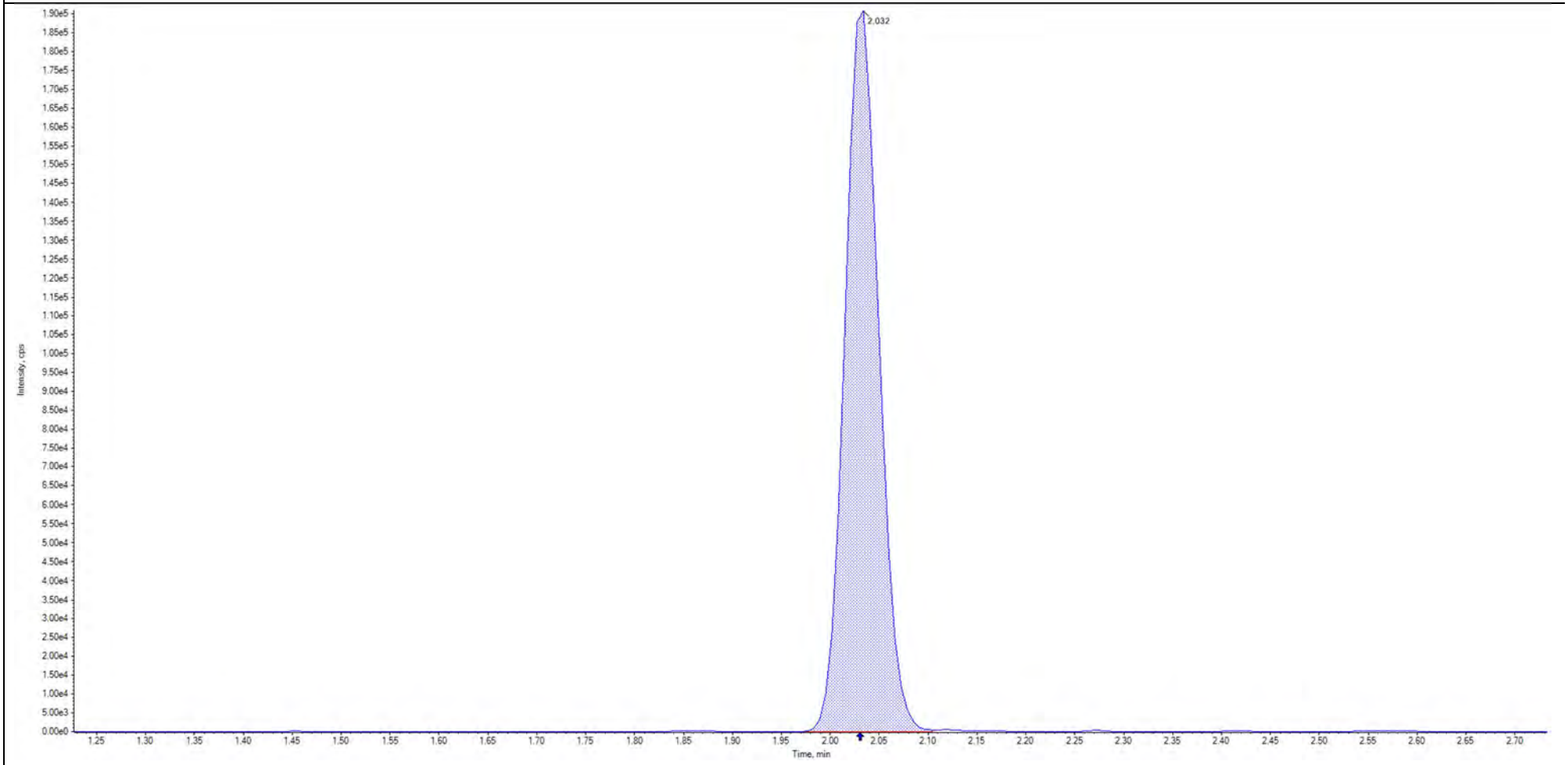
13C2-PFHxA
Sample: IA1633STD-12.5



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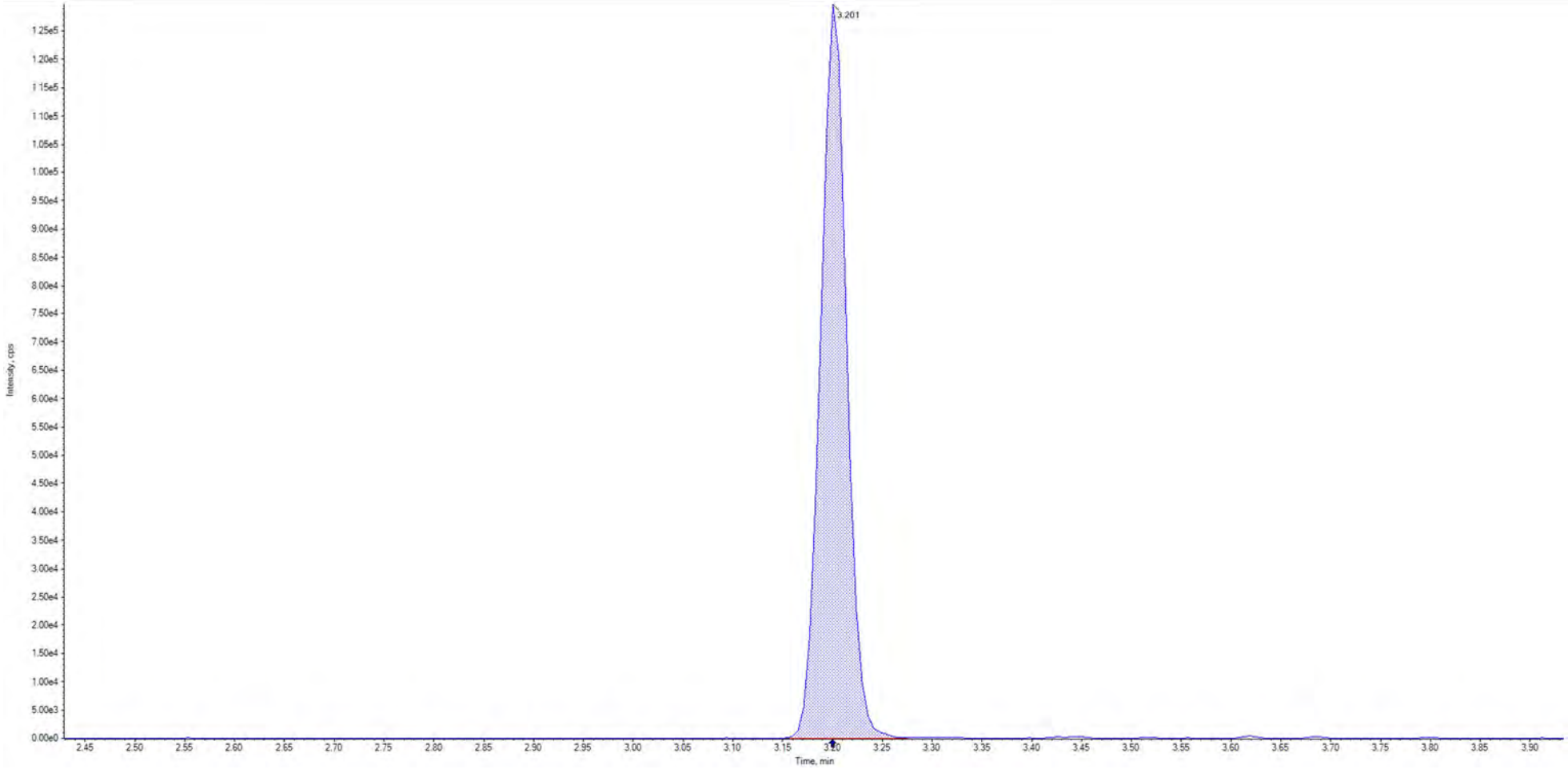
13C4-PFOA
Sample: IA1633STD-12.5



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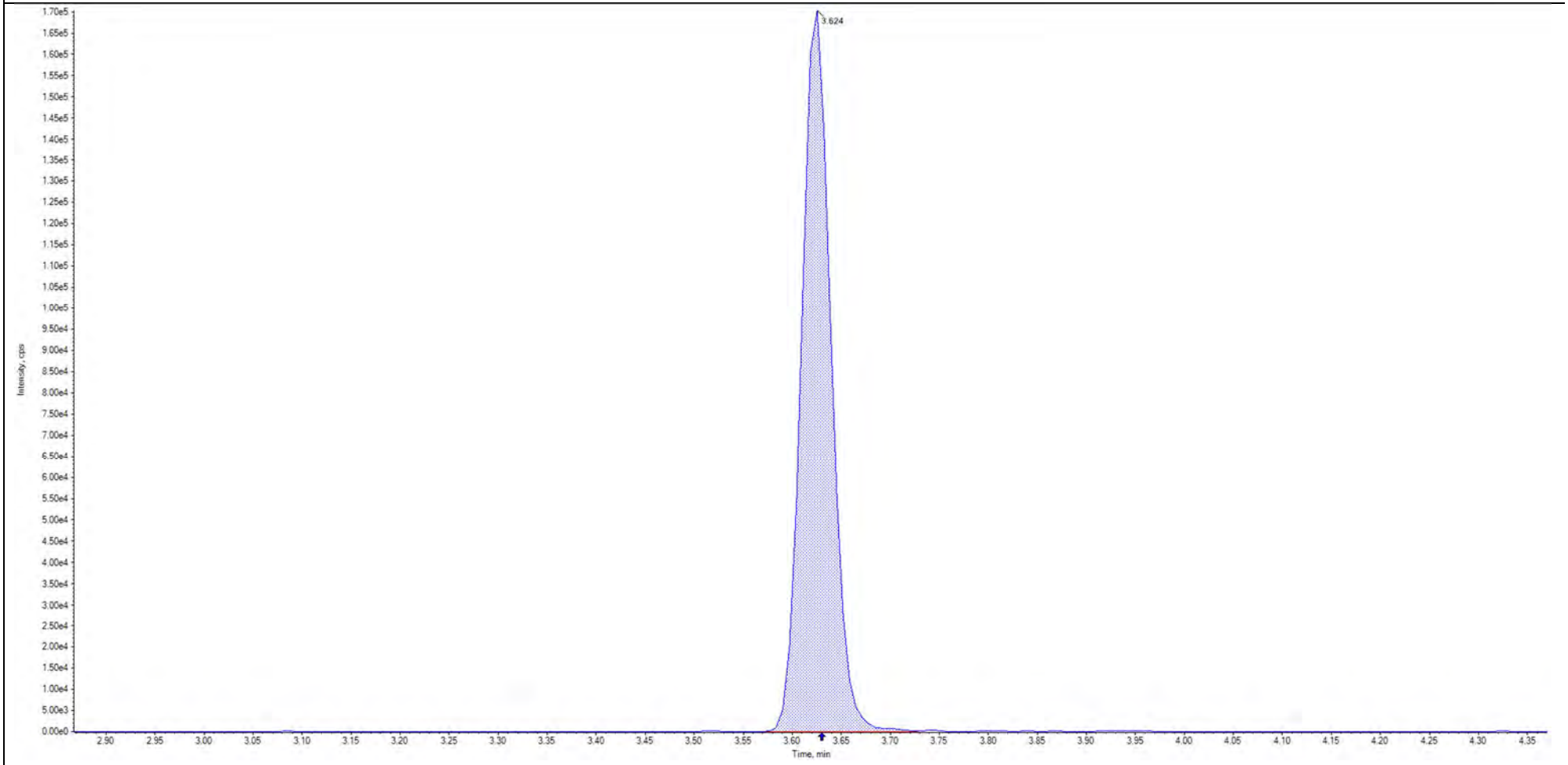
13C5-PFNA
Sample: IA1633STD-12.5



13C2-PFDA
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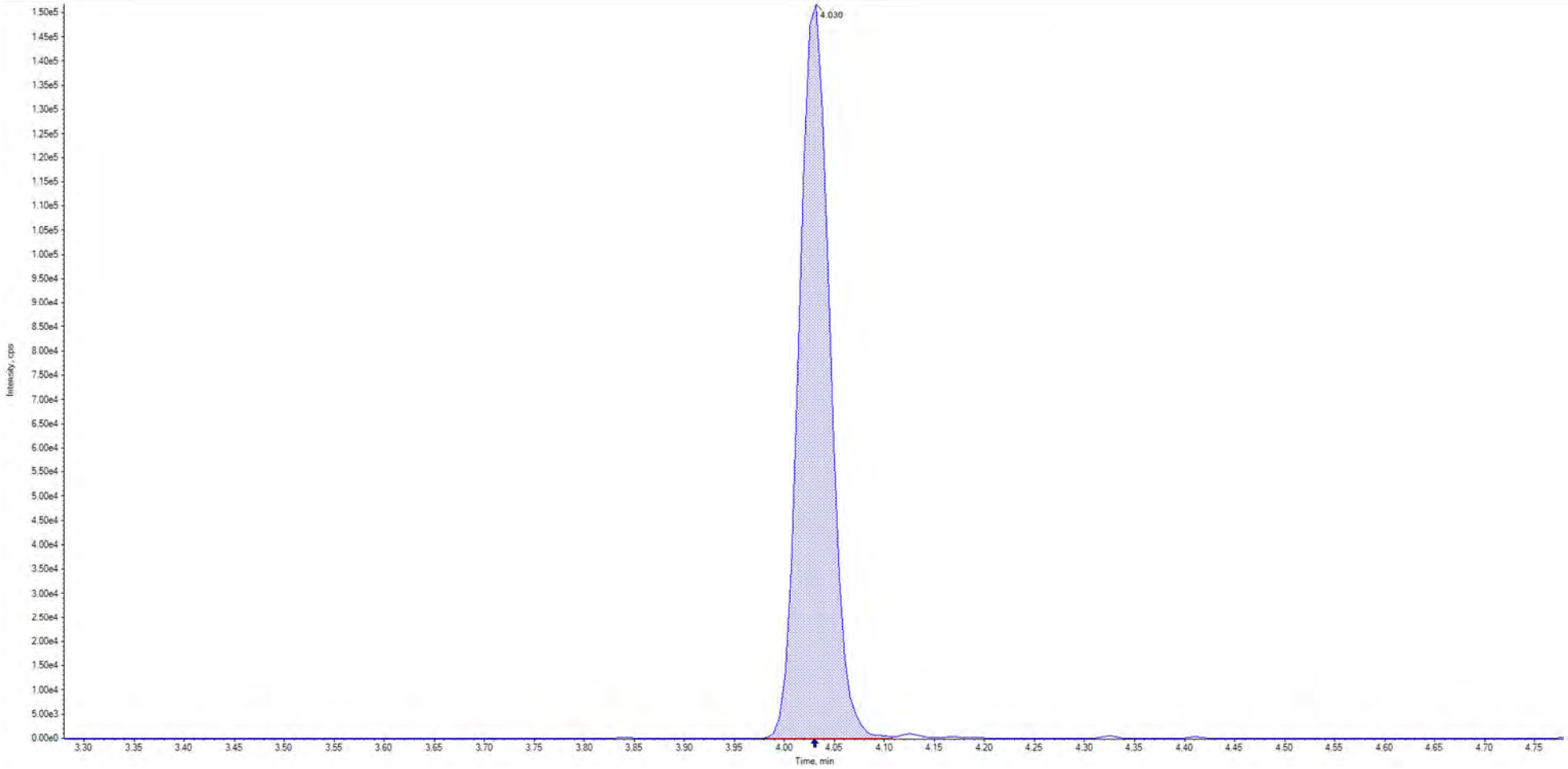

18O2-PFHxS
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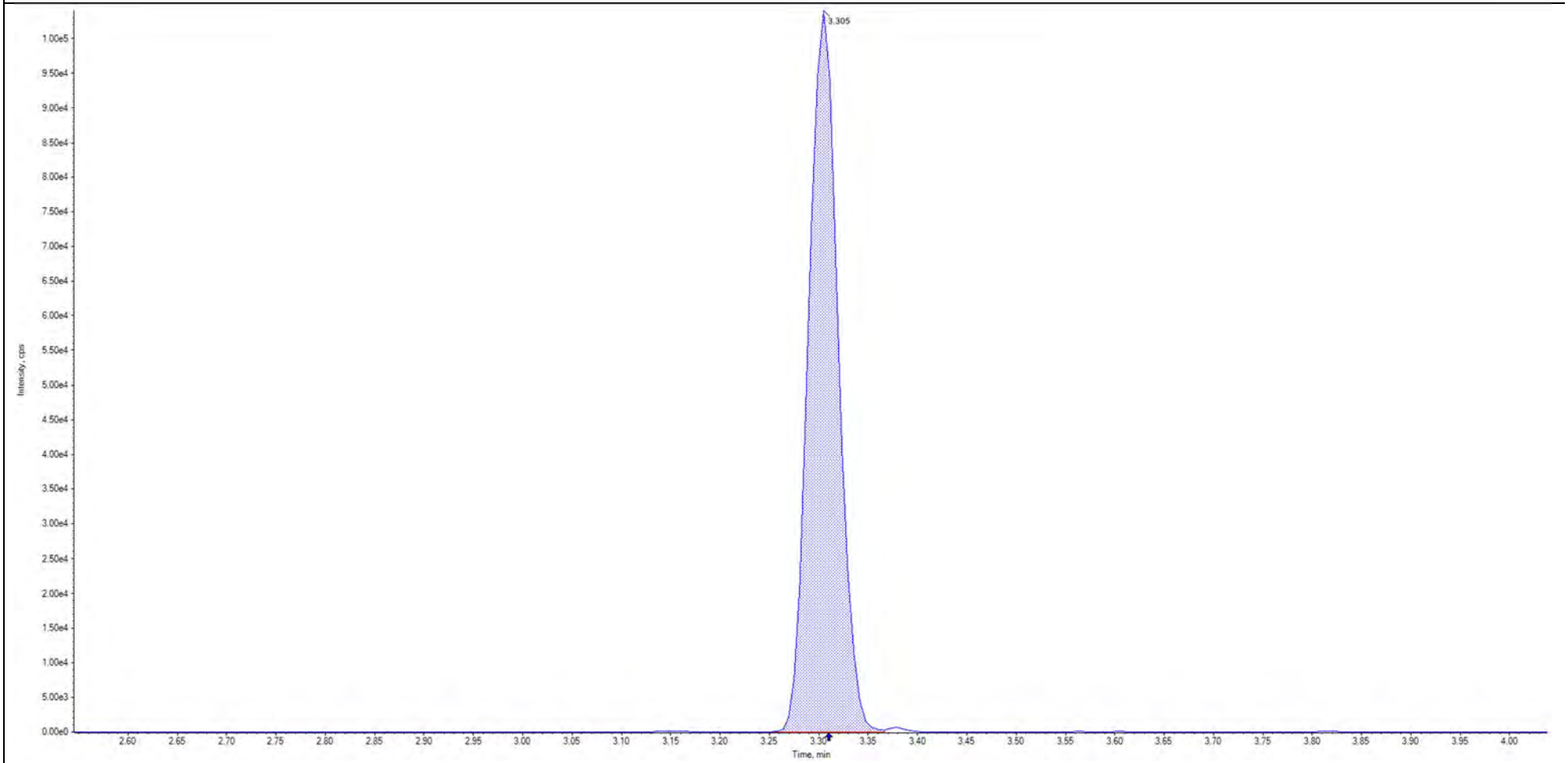

13C4-PFOS
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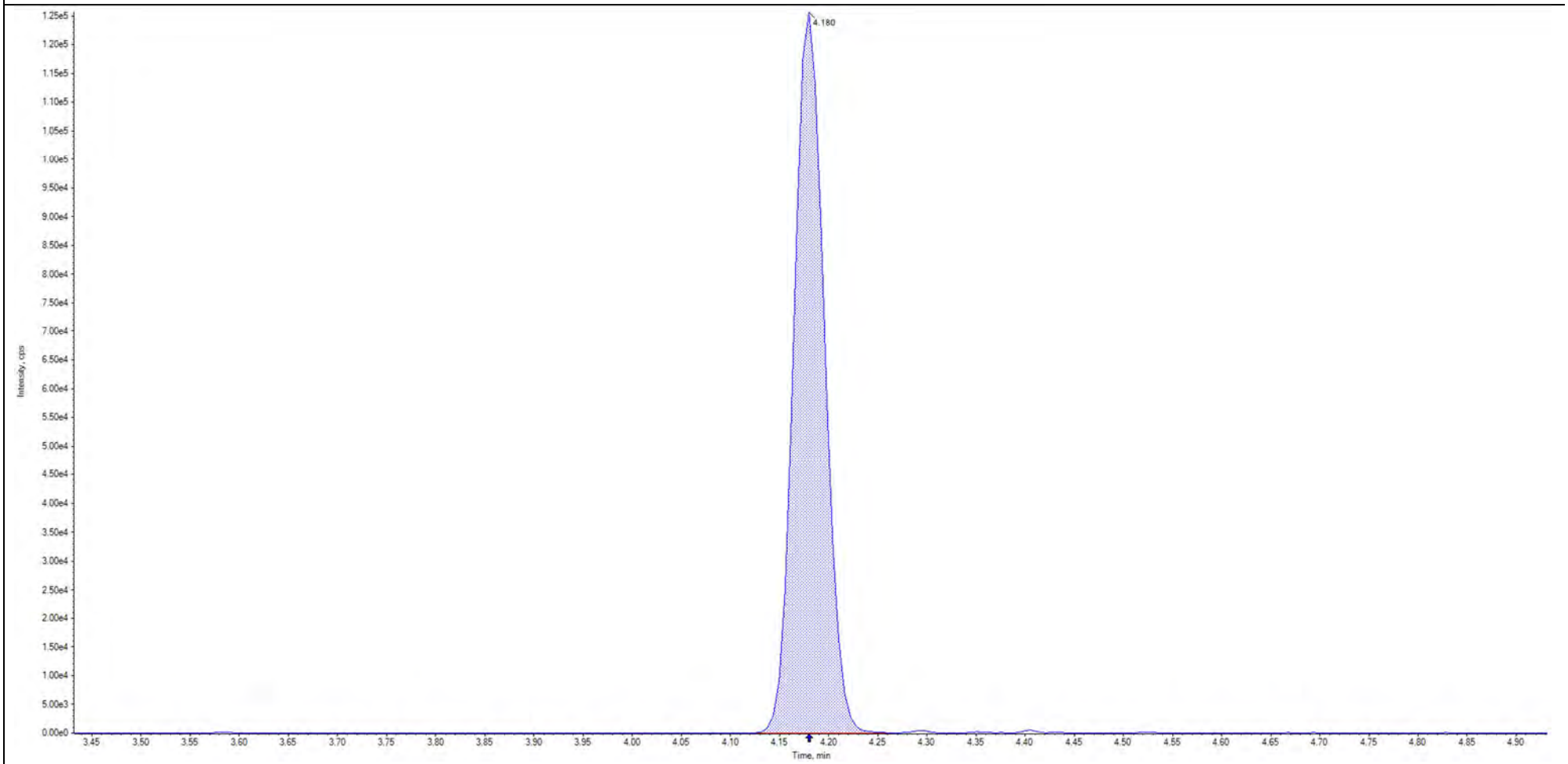

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Calibration: 250228_EPA1633_ICAL

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Instrument: SCIEX Triple Quad 5500+
User: LCMS07: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	0.61	213.0 / 169.0	16177860		91.051	N/A	N/A	N/A	91.1
2	PFPeA	2706-90-3	1.21	263.0 / 219.0	6876291		49.619	0.007	N/A	N/A	99.2
3	PFPeA_2	2706-90-3	1.21	263.0 / 68.9	49793		48.410	0.007	N/A	N/A	96.8
4	PFHxA	307-24-4	2.04	313.0 / 269.0	5402134		21.677	0.072	0.067	Pass	86.7
5	PFHxA_2	307-24-4	2.04	313.0 / 119.0	391293		23.490	0.072	0.067	Pass	94.0
6	PFHpA	375-85-9	2.72	363.1 / 319.0	5426998		23.637	0.349	0.345	Pass	94.6
7	PFHpA_2	375-85-9	2.72	363.1 / 169.0	1894762		23.992	0.349	0.345	Pass	96.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	3.21	413.1 / 369.1	5563530	M5	24.125	0.393	0.365	Pass	96.5
9	PFOA_2	335-67-1	3.21	413.1 / 169.0	2184703	M5	25.274	0.393	0.365	Pass	101.1
10	PFNA	375-95-1	3.63	462.8 / 418.9	5025281		24.049	0.324	0.352	Pass	96.2
11	PFNA_2	375-95-1	3.63	462.8 / 219.0	1629017	M5	23.496	0.324	0.352	Pass	94.0
12	PFDA	335-76-2	4.04	513.1 / 469.1	5339257		24.023	0.183	0.185	Pass	96.1
13	PFDA_2	335-76-2	4.04	513.1 / 219.0	978722		25.162	0.183	0.185	Pass	100.7
14	PFUnA	2058-94-8	4.43	563.1 / 519.1	5152712		25.176	0.165	0.166	Pass	100.7
15	PFUnA_2	2058-94-8	4.43	563.1 / 269.0	852193		25.016	0.165	0.166	Pass	100.1
16	PFDoA	307-55-1	4.81	613.1 / 569.1	5455063		25.389	0.163	0.150	Pass	101.6
17	PFDoA_2	307-55-1	4.81	613.1 / 319.0	889446		26.001	0.163	0.150	Pass	104.0
18	PFTrDA	72629-94-8	5.19	663.1 / 619.1	4893573		24.394	0.155	0.134	Pass	97.6
19	PFTrDA_2	72629-94-8	5.19	663.1 / 169.0	759056		25.439	0.155	0.134	Pass	101.8
20	PFTeDA	376-06-7	5.55	713.1 / 669.1	4576977		24.329	0.155	0.150	Pass	97.3
21	PFTeDA_2	376-06-7	5.55	713.1 / 169.0	707507		23.803	0.155	0.150	Pass	95.2
22	PFBS	375-73-5	2.04	299.1 / 80.1	3182353		21.906	0.352	0.341	Pass	98.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	2.04	299.1 / 99.1	1119424		21.709	0.352	0.341	Pass	97.8
24	PFPeS	2706-91-4	2.78	349.1 / 80.1	3178349		25.567	0.312	0.296	Pass	108.8
25	PFPeS_2	2706-91-4	2.78	349.1 / 99.1	991773		27.175	0.312	0.296	Pass	115.6
26	PFHxS	355-46-4	3.31	399.1 / 80.1	2514379		22.954	0.321	0.298	Pass	100.7
27	PFHxS_2	355-46-4	3.31	399.1 / 99.1	806942		25.308	0.321	0.298	Pass	111.0
28	PFHpS	375-92-8	3.76	449.1 / 80.1	2941055		24.592	0.270	0.277	Pass	103.3
29	PFHpS_2	375-92-8	3.76	449.1 / 99.1	794718		22.797	0.270	0.277	Pass	95.8
30	PFOS	1763-23-1	4.18	499.1 / 80.1	3323757	M5	22.909	0.247	0.236	Pass	98.7
31	PFOS_2	1763-23-1	4.18	499.1 / 99.1	822099		24.171	0.247	0.236	Pass	104.2
32	PFNS	68259-12-1	4.59	549.1 / 80.1	2445908		24.161	0.282	0.265	Pass	100.7
33	PFNS_2	68259-12-1	4.59	549.1 / 99.1	690580		24.490	0.282	0.265	Pass	102.0
34	PFDS	335-77-3	4.97	599.1 / 80.1	2355137		24.316	0.276	0.275	Pass	100.9
35	PFDS_2	335-77-3	4.97	599.1 / 99.1	649121		23.837	0.276	0.275	Pass	98.9
36	PFDoS	79780-39-5	5.71	699.2 / 80.1	2471482		23.425	0.250	0.245	Pass	96.8
37	PFDoS_2	79780-39-5	5.70	699.2 / 99.1	617720		22.852	0.250	0.245	Pass	94.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	1.79	327.1 / 307.1	2968476		89.669	0.571	0.542	Pass	95.7
39	4:2FTS_2	757124-72-4	1.79	327.1 / 81.1	1695803		95.430	0.571	0.542	Pass	101.9
40	6:2FTS	27619-97-2	3.03	427.2 / 407.2	2469351		87.687	0.546	0.555	Pass	92.2
41	6:2FTS_2	27619-97-2	3.03	427.2 / 81.1	1348533		88.109	0.546	0.555	Pass	92.7
42	8:2FTS	39108-34-4	3.85	527.2 / 507.2	1864930		89.969	0.780	0.824	Pass	93.7
43	8:2FTS_2	39108-34-4	3.86	527.2 / 81.1	1454482		91.630	0.780	0.824	Pass	95.5
44	PFOSA	754-91-6	5.33	498.1 / 78.1	4020014	M5	25.229	0.031	0.029	Pass	100.9
45	PFOSA_2	754-91-6	5.33	498.1 / 478.0	124579		26.729	0.031	0.029	Pass	106.9
46	NMeFOSA	31506-32-8	6.05	512.2 / 219.0	1119161		24.808	1.428	1.426	Pass	99.2
47	NMeFOSA_2	31506-32-8	6.01	512.2 / 169.0	1598423		24.672	1.428	1.426	Pass	98.7
48	NEtFOSA	4151-50-2	6.33	526.2 / 219.0	1113259		25.998	1.183	1.166	Pass	104.0
49	NEtFOSA_2	4151-50-2	6.29	526.2 / 169.0	1316737		25.942	1.183	1.166	Pass	103.8
50	NMeFOSAA	2355-31-9	4.15	570.2 / 419.1	1001057		24.353	0.707	0.729	Pass	97.4
51	NMeFOSAA_2	2355-31-9	4.15	570.2 / 483.0	708116		24.834	0.707	0.729	Pass	99.3
52	NEtFOSAA	2991-50-6	4.35	584.2 / 419.1	678948		26.942	0.485	0.453	Pass	107.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.35	584.2 / 526.2	329289		27.410	0.485	0.453	Pass	109.6
54	NMeFOSE	24448-09-7	5.91	616.1 / 58.9	10142612		253.637	N/A	N/A	N/A	101.5
55	NEtFOSE	1691-99-2	6.21	630.0 / 58.9	23126010		245.457	N/A	N/A	N/A	98.2
56	HFPO-DA	13252-13-6	2.31	285.0 / 169.0	9217855		92.561	0.855	0.892	Pass	92.6
57	HFPO-DA_2	13252-13-6	2.31	285.0 / 184.9	7881061		90.830	0.855	0.892	Pass	90.8
58	ADONA	919005-14-4	2.90	376.9 / 251.0	33427611		77.818	0.431	0.444	Pass	82.4
59	ADONA_2	919005-14-4	2.90	376.9 / 84.8	14407421		79.191	0.431	0.444	Pass	83.8
60	9Cl-PF3ONS	756426-58-1	4.46	530.8 / 351.1	28350996		81.460	0.367	0.359	Pass	87.3
61	9Cl-PF3ONS_2	756426-58-1	4.46	532.8 / 353.0	10390854		85.735	0.367	0.359	Pass	91.9
62	11Cl-PF3OUdS	763051-92-9	5.23	630.9 / 451.0	22243038		82.176	0.372	0.348	Pass	87.1
63	11Cl-PF3OUdS_2	763051-92-9	5.23	632.9 / 452.9	8280467		89.799	0.372	0.348	Pass	95.2
64	3:3FTCA	356-02-5	1.60	241.1 / 177.1	2043658		127.767	0.695	0.698	Pass	102.2
65	3:3FTCA_2	356-02-5	1.60	241.1 / 117.0	1420102		121.700	0.695	0.698	Pass	97.4
66	5:3FTCA	914637-49-3	3.21	341.1 / 237.1	28457951		517.760	0.969	0.979	Pass	82.8
67	5:3FTCA_2	914637-49-3	3.21	341.1 / 217.0	27588313		509.115	0.969	0.979	Pass	81.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	4.19	441.1 / 316.9	15133649		679.506	1.879	2.144	Pass	108.7
69	7:3FTCA_2	812-70-4	4.19	441.1 / 337.1	28431278		627.055	1.879	2.144	Pass	100.3
70	PFEESA	113507-82-7	2.41	315.1 / 135.0	17782984		37.009	0.087	0.077	Pass	83.0
71	PFEESA_2	113507-82-7	2.41	315.1 / 82.9	1548712		40.345	0.087	0.077	Pass	90.5
72	PFMPA	377-73-1	0.77	229.0 / 85.0	7830456		52.863	N/A	N/A	N/A	105.7
73	PFMBA	863090-89-5	1.49	279.0 / 85.0	8245116		48.403	N/A	N/A	N/A	96.8
74	NFDHA	151772-58-6	1.94	295.0 / 201.0	5420862		43.142	0.663	0.632	Pass	86.3
75	NFDHA_2	151772-58-6	1.94	295.0 / 84.9	3591835		44.432	0.663	0.632	Pass	88.9
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	4.812	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	4.812	N/A	N/A
78	13C2D4-4:2FTS	Surr	1.78	333.2 / 312.1	122708		5.013	N/A	N/A	N/A	100.3
79	13C2-PFOA	Surr	3.20	415.0 / 370.0	270963		2.229	N/A	N/A	N/A	89.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.61	217.0 / 172.0	1948381		10.086	NA	NA	NA	100.9

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C5-PFPeA	EIS	1.20	268.0 / 223.0	666684		5.168	NA	NA	NA	103.4
13C5-PFHxA	EIS	2.03	318.0 / 273.0	345964		2.897	NA	NA	NA	115.9
13C4-PFHpA	EIS	2.71	367.0 / 322.0	574393		2.652	NA	NA	NA	106.1
13C8-PFOA	EIS	3.20	420.8 / 376.0	671755		1.825	NA	NA	NA	73.0
13C9-PFNA	EIS	3.63	472.0 / 427.0	329230		1.291	NA	NA	NA	103.2
13C6-PFDA	EIS	4.03	519.0 / 474.0	327254		1.230	NA	NA	NA	98.4
13C7-PFUnA	EIS	4.43	570.0 / 525.0	327562		1.195	NA	NA	NA	95.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.81	615.1 / 570.0	307666		1.213	NA	NA	NA	97.0
	13C2-PFTeDA	EIS	5.54	715.1 / 670.1	209756		1.248	NA	NA	NA	99.8
	13C3-PFBS	EIS	2.03	302.1 / 80.1	315432		2.419	NA	NA	NA	103.8
	13C3-PFHxS	EIS	3.31	402.1 / 80.1	259983		2.335	NA	NA	NA	98.5
	13C8-PFOS	EIS	4.18	507.1 / 80.1	326955		2.374	NA	NA	NA	98.9
	13C2-4:2FTS	EIS	1.78	329.1 / 81.1	84010		5.057	NA	NA	NA	107.8
	13C2-6:2FTS	EIS	3.02	429.2 / 81.1	71996		5.314	NA	NA	NA	111.6
	13C2-8:2FTS	EIS	3.85	529.2 / 81.1	86666		5.430	NA	NA	NA	113.1

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C8-PFOSA	EIS	5.32	506.1 / 78.1	564174		2.493	NA	NA	NA	99.7
d3-NMeFOSA	EIS	6.04	515.2 / 219.0	107790		2.650	NA	NA	NA	106.0
d5-NEtFOSA	EIS	6.32	531.2 / 219.0	86453		2.477	NA	NA	NA	99.1
d3-NMeFOSAA	EIS	4.14	573.2 / 419.1	295884		5.184	NA	NA	NA	103.7
d5-NEtFOSAA	EIS	4.34	589.3 / 419.1	120154		4.948	NA	NA	NA	99.0
d7-NMeFOSE	EIS	5.89	623.2 / 58.9	357020		28.303	NA	NA	NA	113.2
d9-NEtFOSE	EIS	6.18	639.2 / 58.9	756815		26.086	NA	NA	NA	104.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.31	287.0 / 169.0	984928		11.013	NA	NA	NA	110.1
	13C3-PFBA	NIS	0.61	216.0 / 172.0	866296		4.411	NA	NA	NA	88.2
	13C2-PFHxA	NIS	2.03	315.0 / 270.0	460053		2.365	NA	NA	NA	94.6
	13C4-PFOA	NIS	3.20	417.0 / 372.0	253046		2.999	NA	NA	NA	120.0
	13C5-PFNA	NIS	3.63	468.0 / 423.0	333217		1.187	NA	NA	NA	95.0
	13C2-PFDA	NIS	4.03	515.1 / 470.1	311801		1.209	NA	NA	NA	96.7
	18O2-PFHxS	NIS	3.30	403.1 / 84.1	219937		2.208	NA	NA	NA	93.2
	13C4-PFOS	NIS	4.18	503.1 / 80.1	252284		2.311	NA	NA	NA	96.3

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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

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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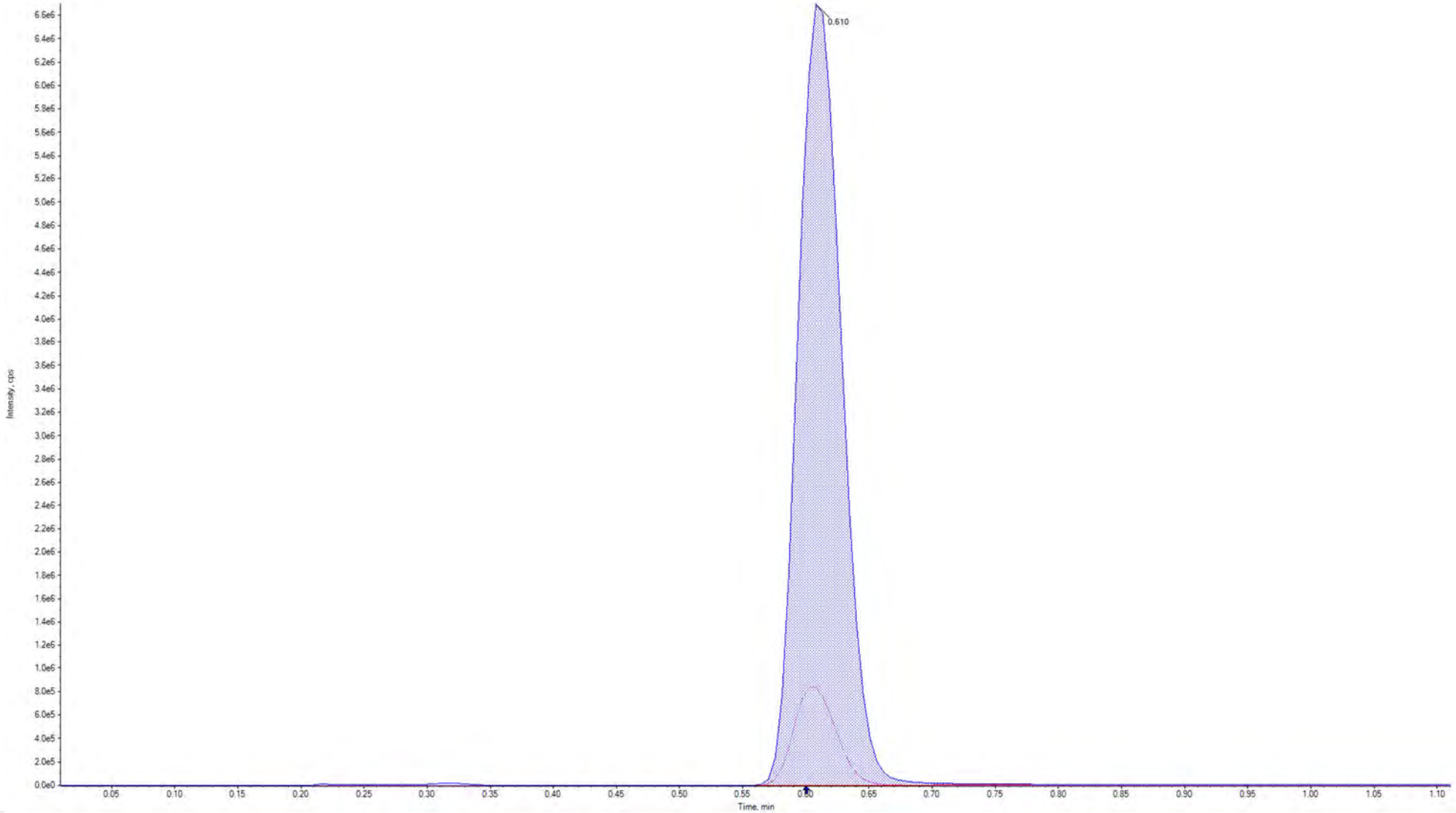
PFBA
Sample: IA1633STD-25 S/N:2467.1 Points Across peak:44



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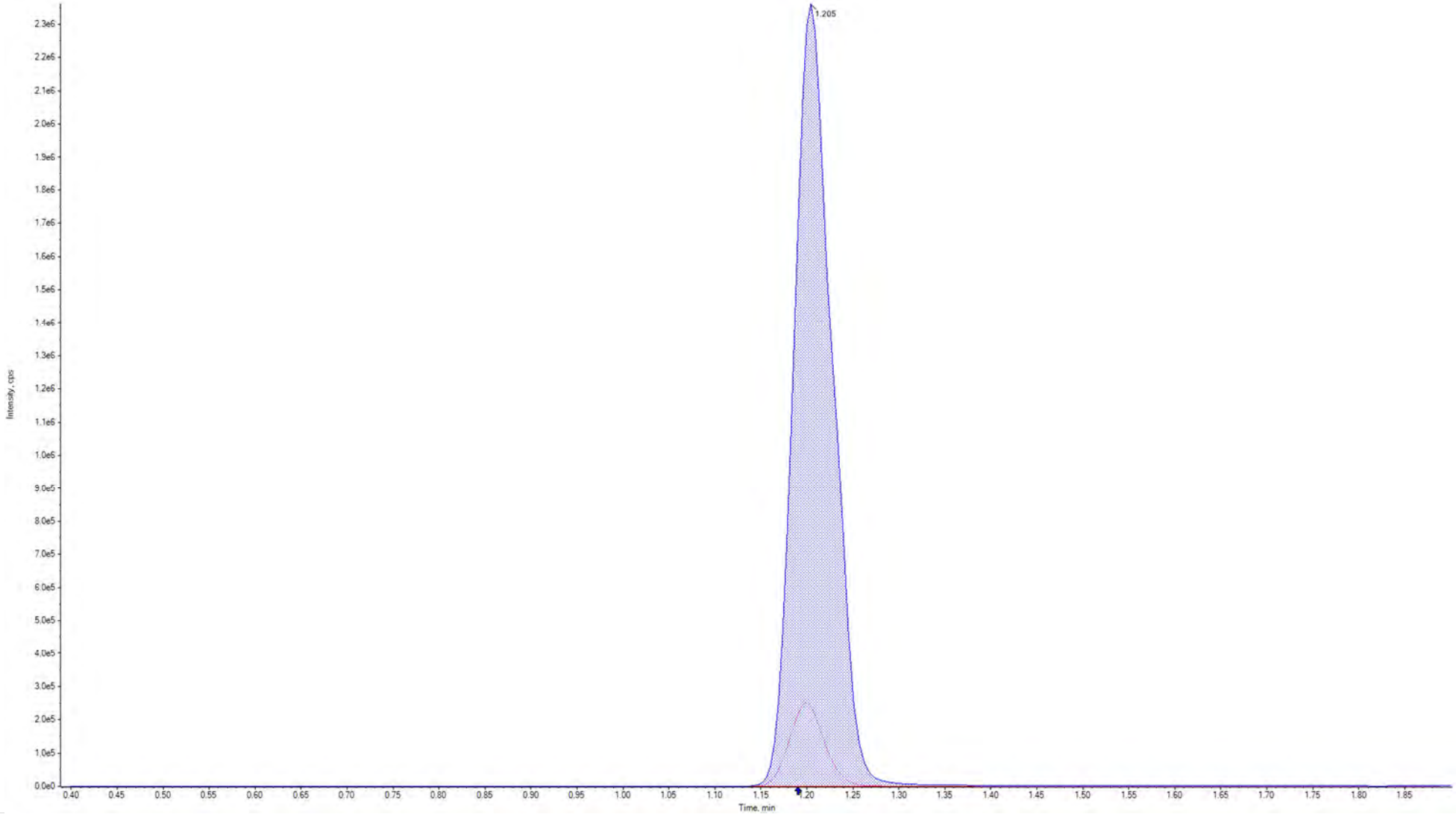
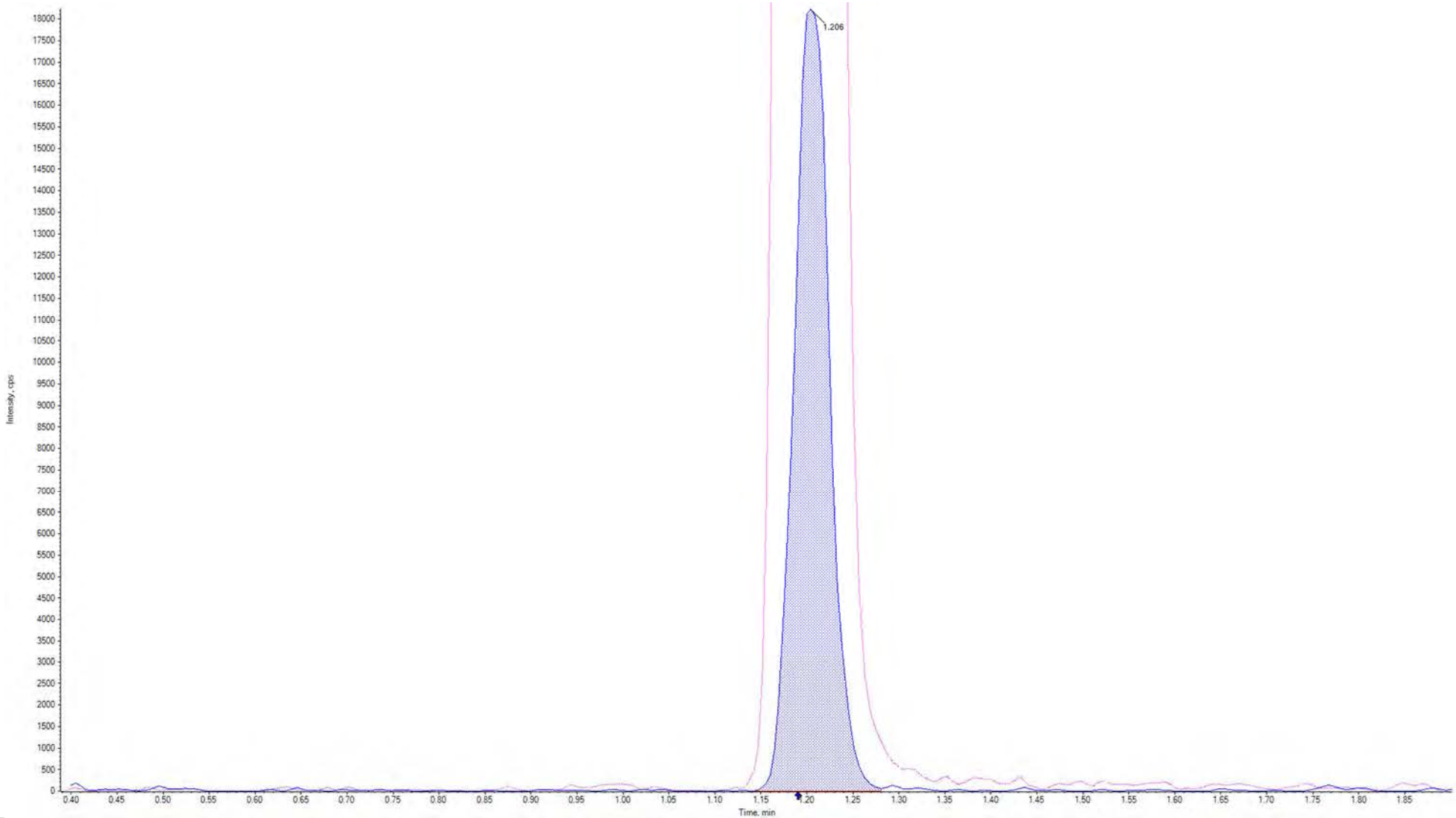
PFPeA
Sample: IA1633STD-25 S/N:15834.4 Points Across peak:53



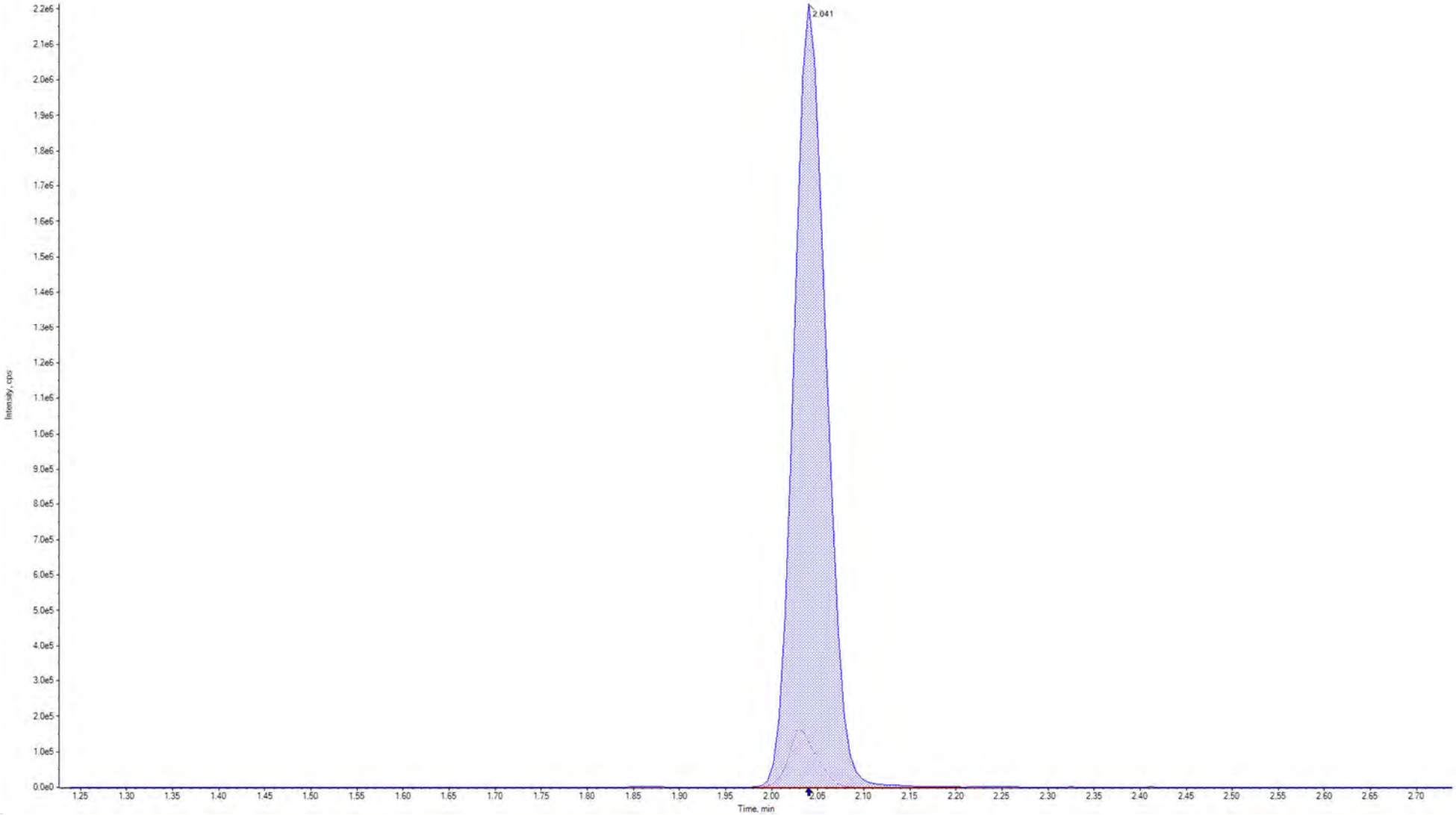
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_31.wiff2_6
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFPeA_2
Sample: IA1633STD-25 S/N:868.0 Points Across peak:30



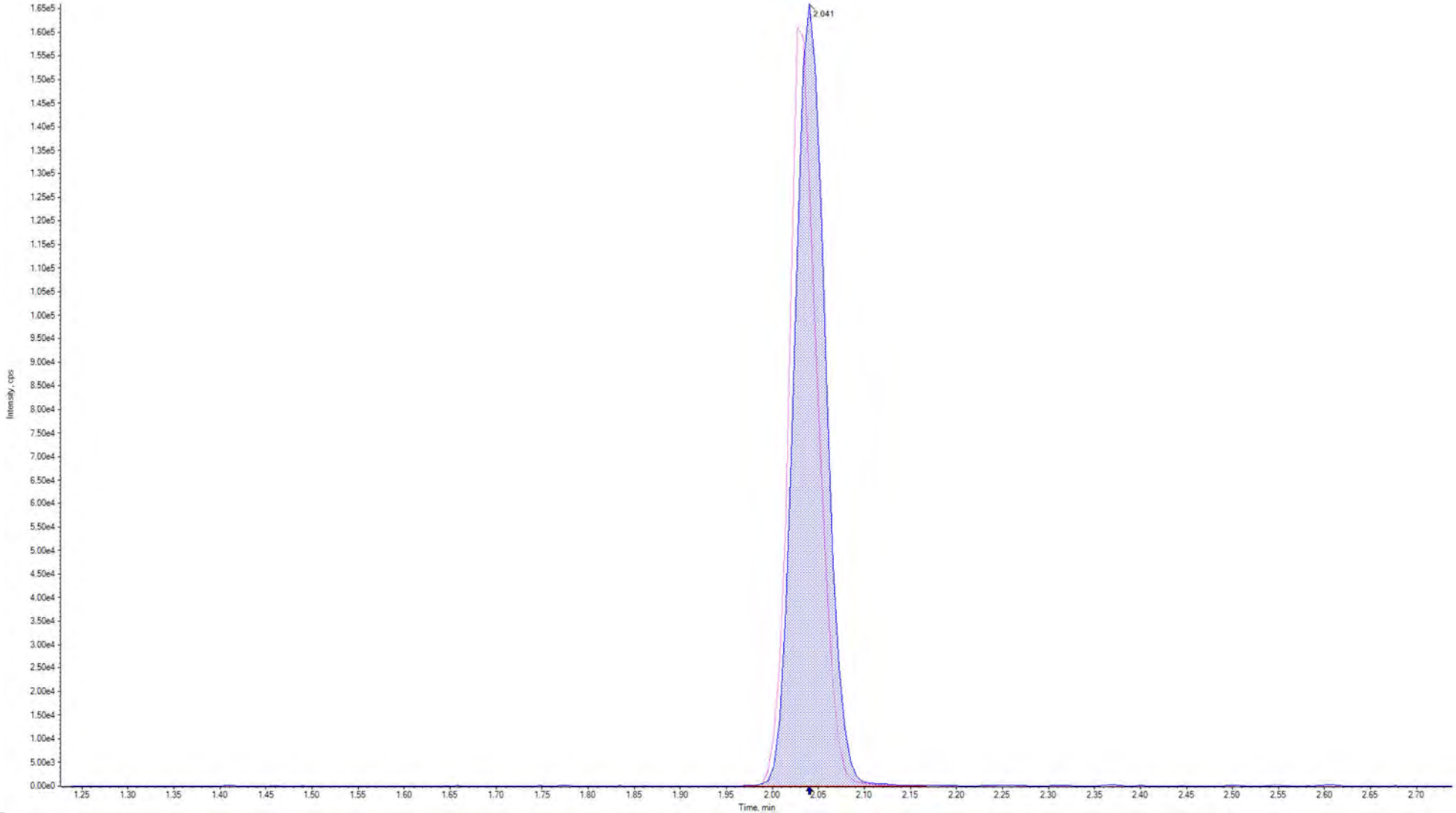
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_31.wiff2_6
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFHxA
Sample: IA1633STD-25 S/N:29241.5 Points Across peak:37



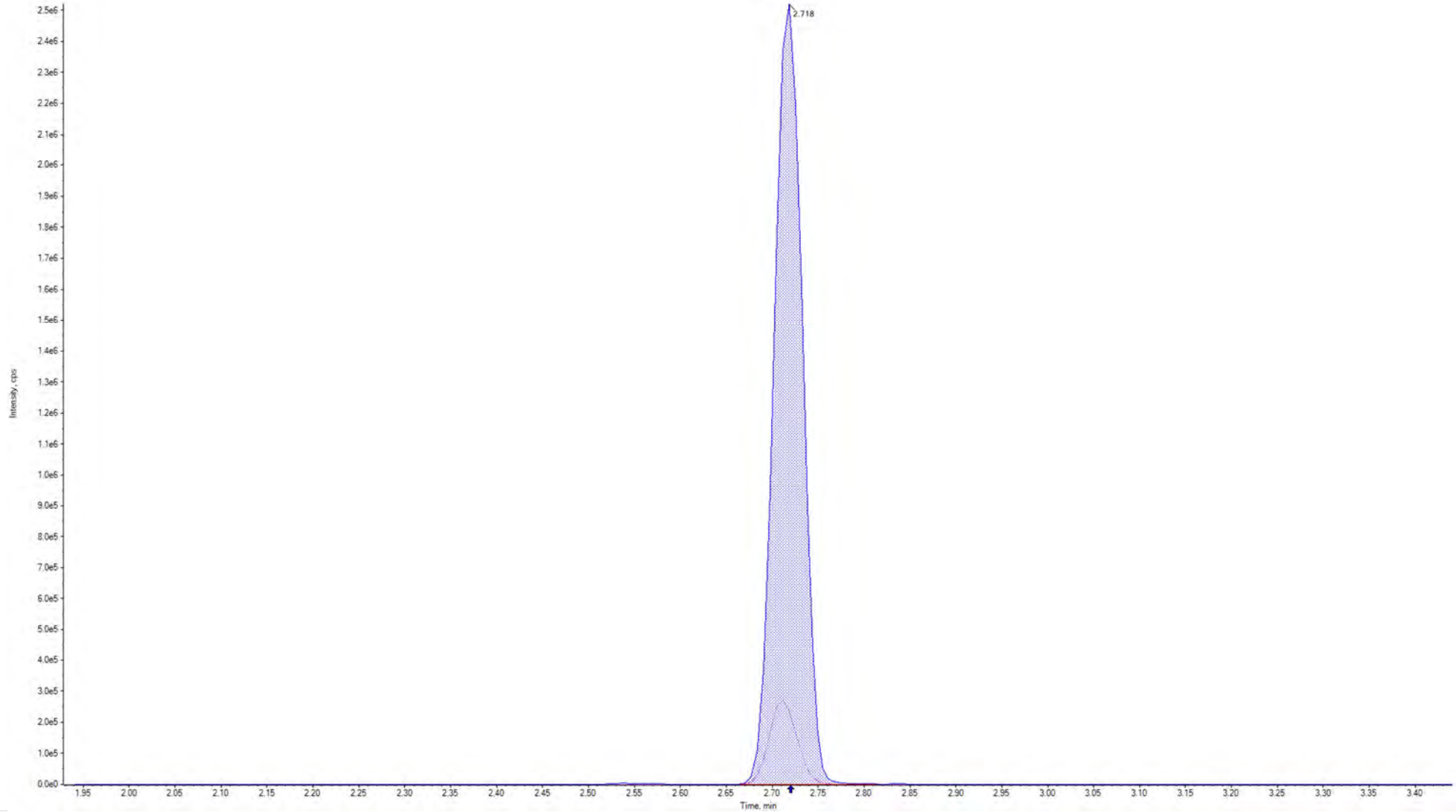
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_31.wiff2_6
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFHxA_2
Sample: IA1633STD-25 S/N:3327.6 Points Across peak:35



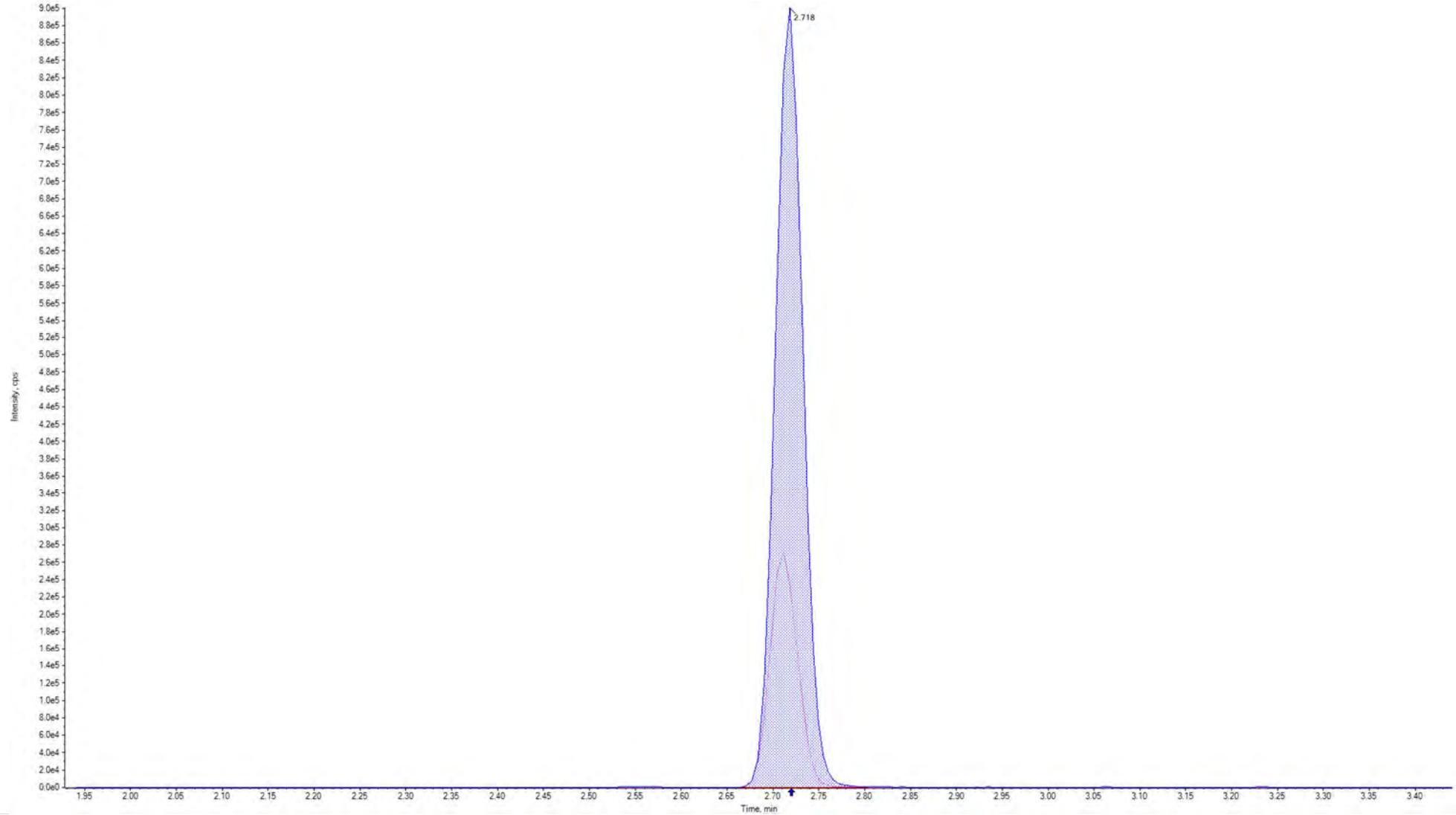
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_31.wiff2_6
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFHpA
Sample: IA1633STD-25 S/N:37894.9 Points Across peak:29



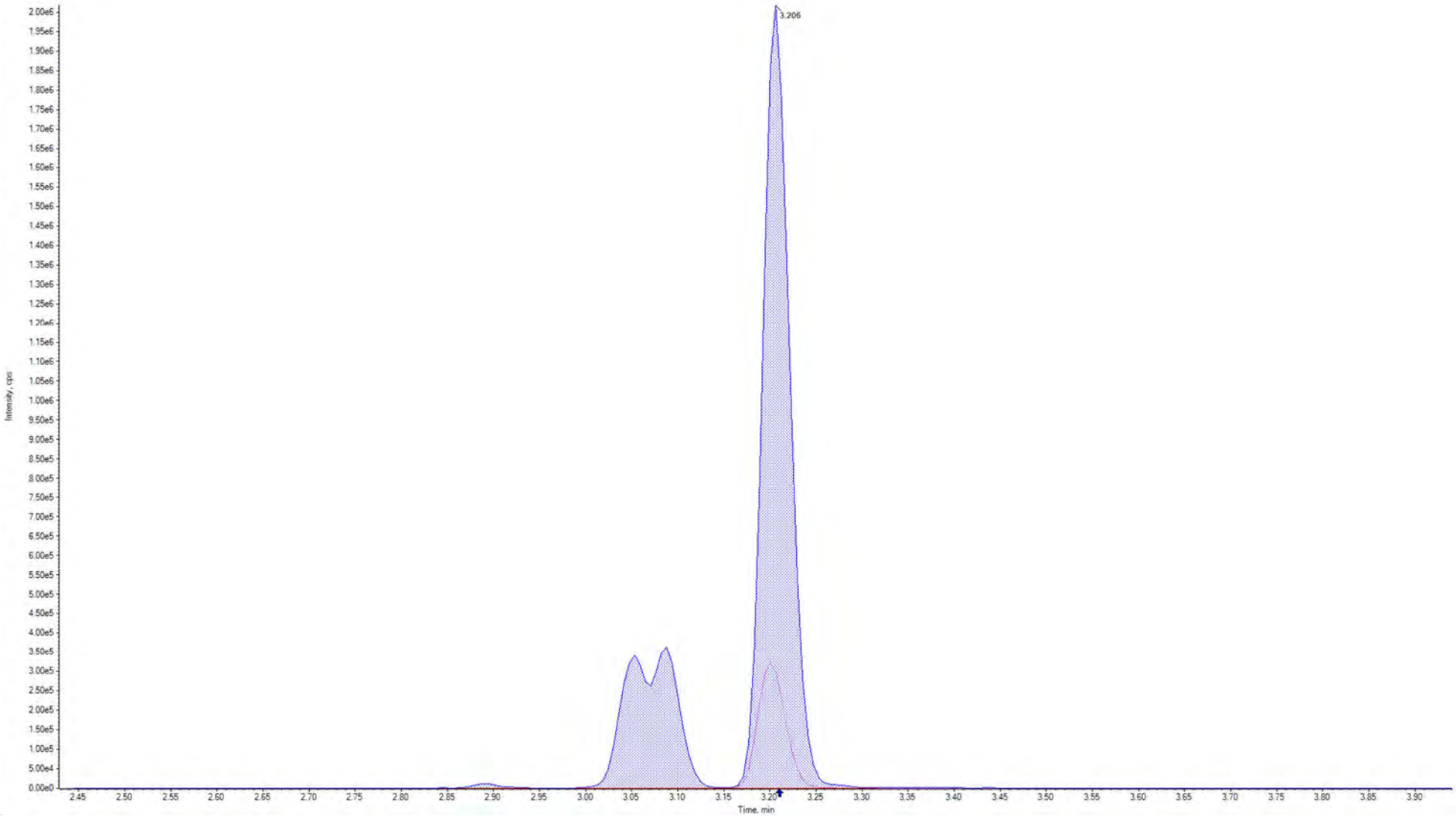
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_31.wiff2_6
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFHpA_2
Sample: IA1633STD-25 S/N:6164.0 Points Across peak:26



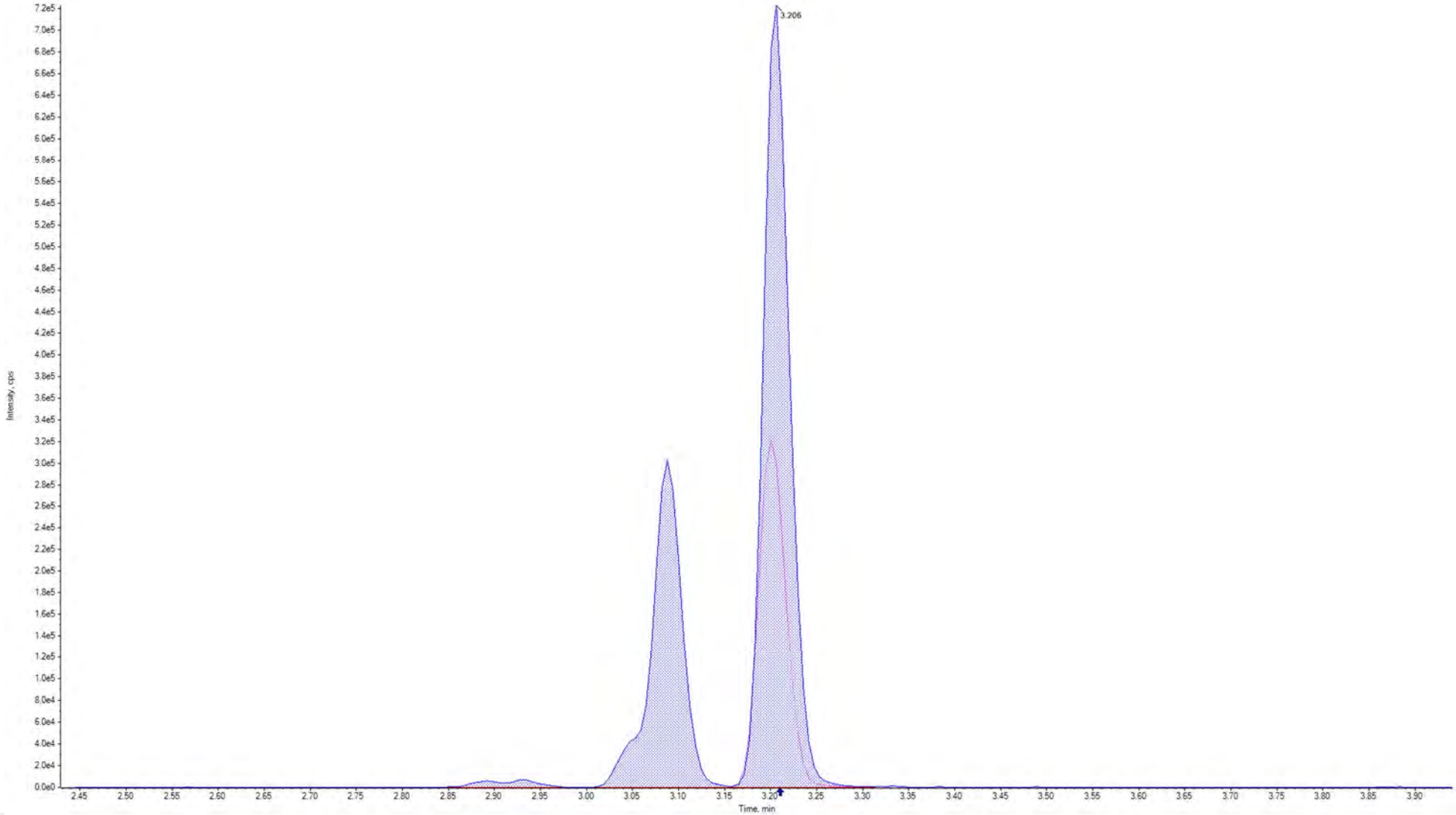
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_31.wiff2_6
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFOA
Sample: IA1633STD-25 S/N:1433.6 Points Across peak:88



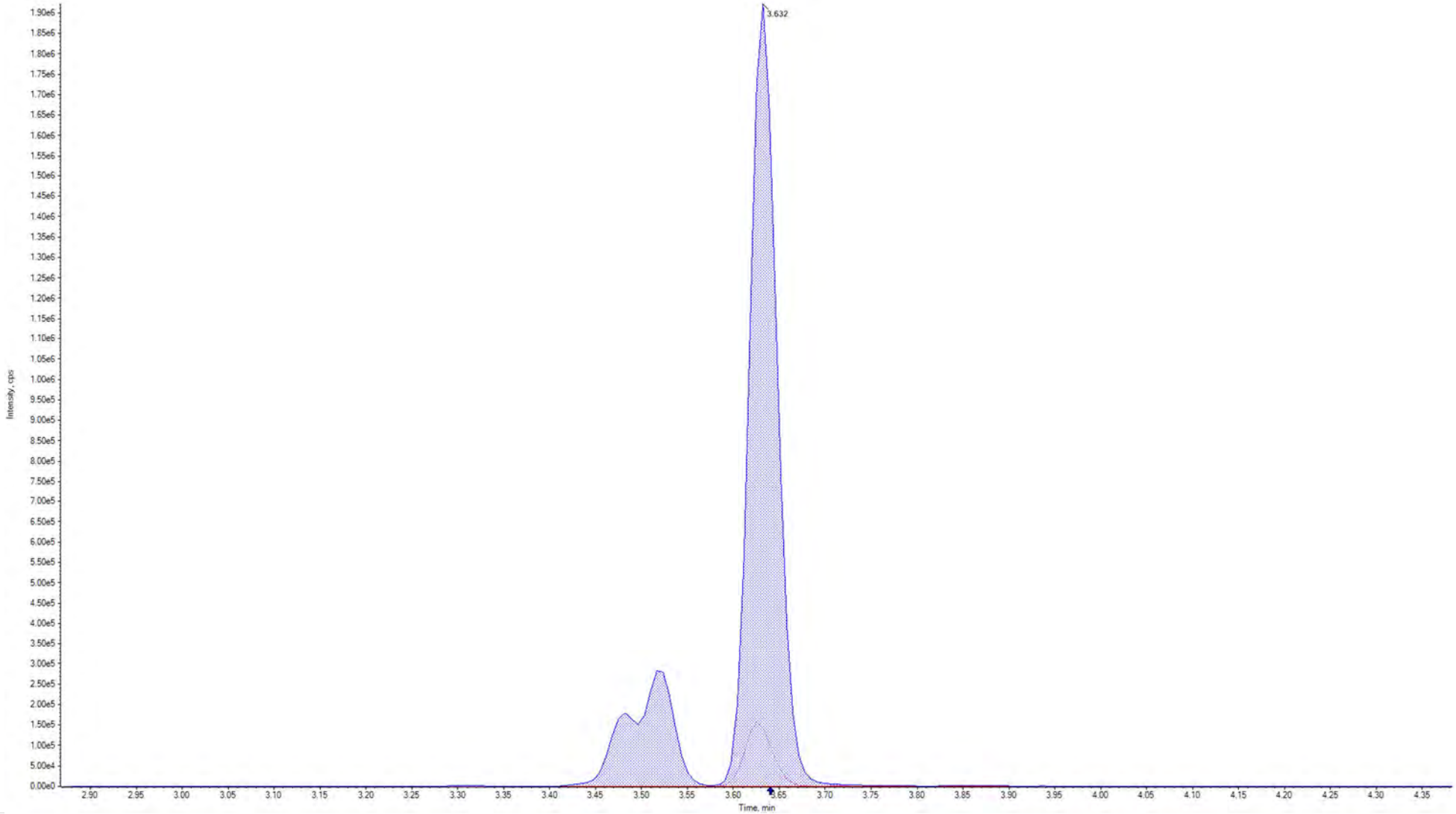
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_31.wiff2_6
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFOA_2
Sample: IA1633STD-25 S/N:1065.5 Points Across peak:85



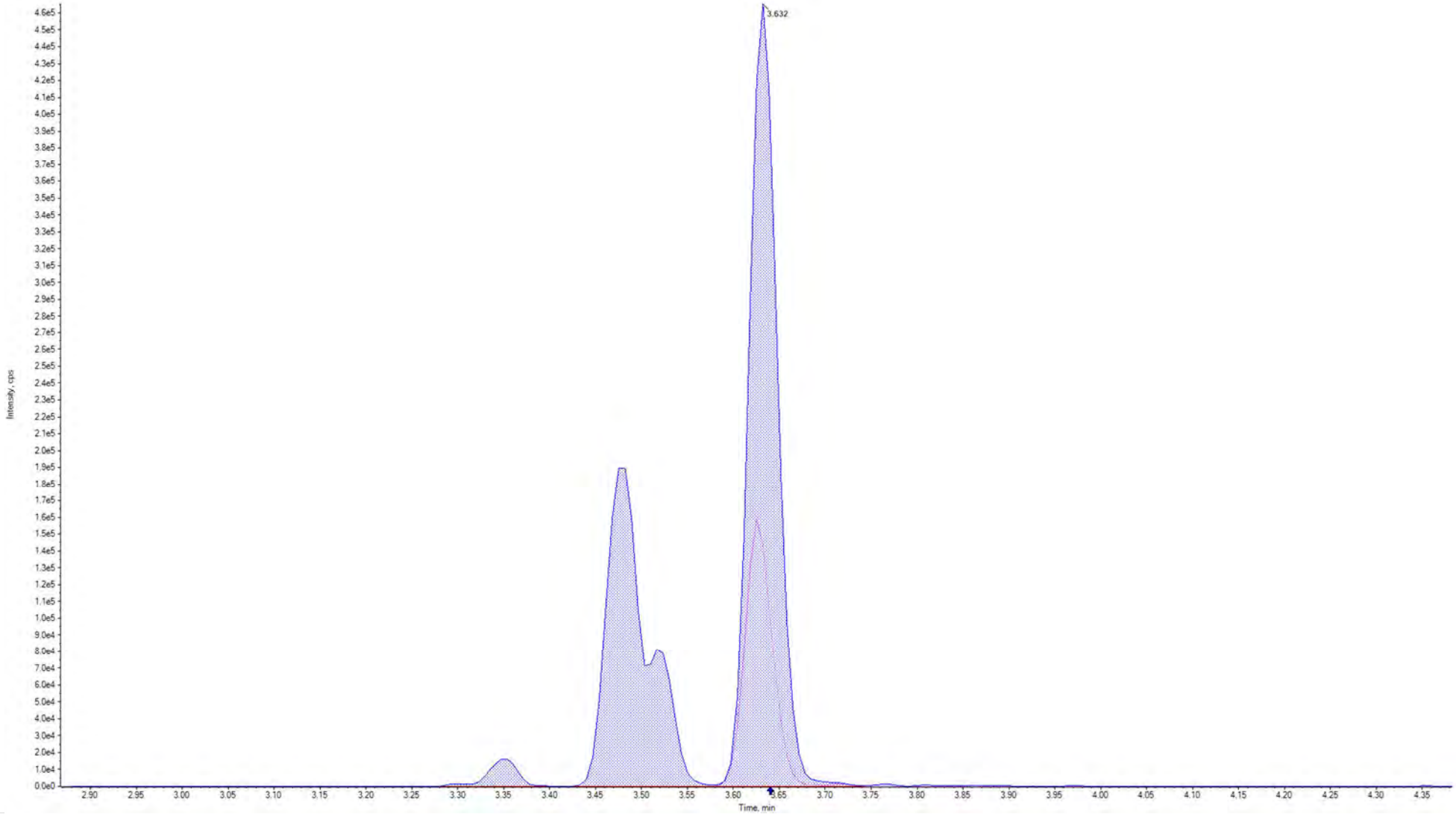
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_31.wiff2_6
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFNA
Sample: IA1633STD-25 S/N:1788.5 Points Across peak:77



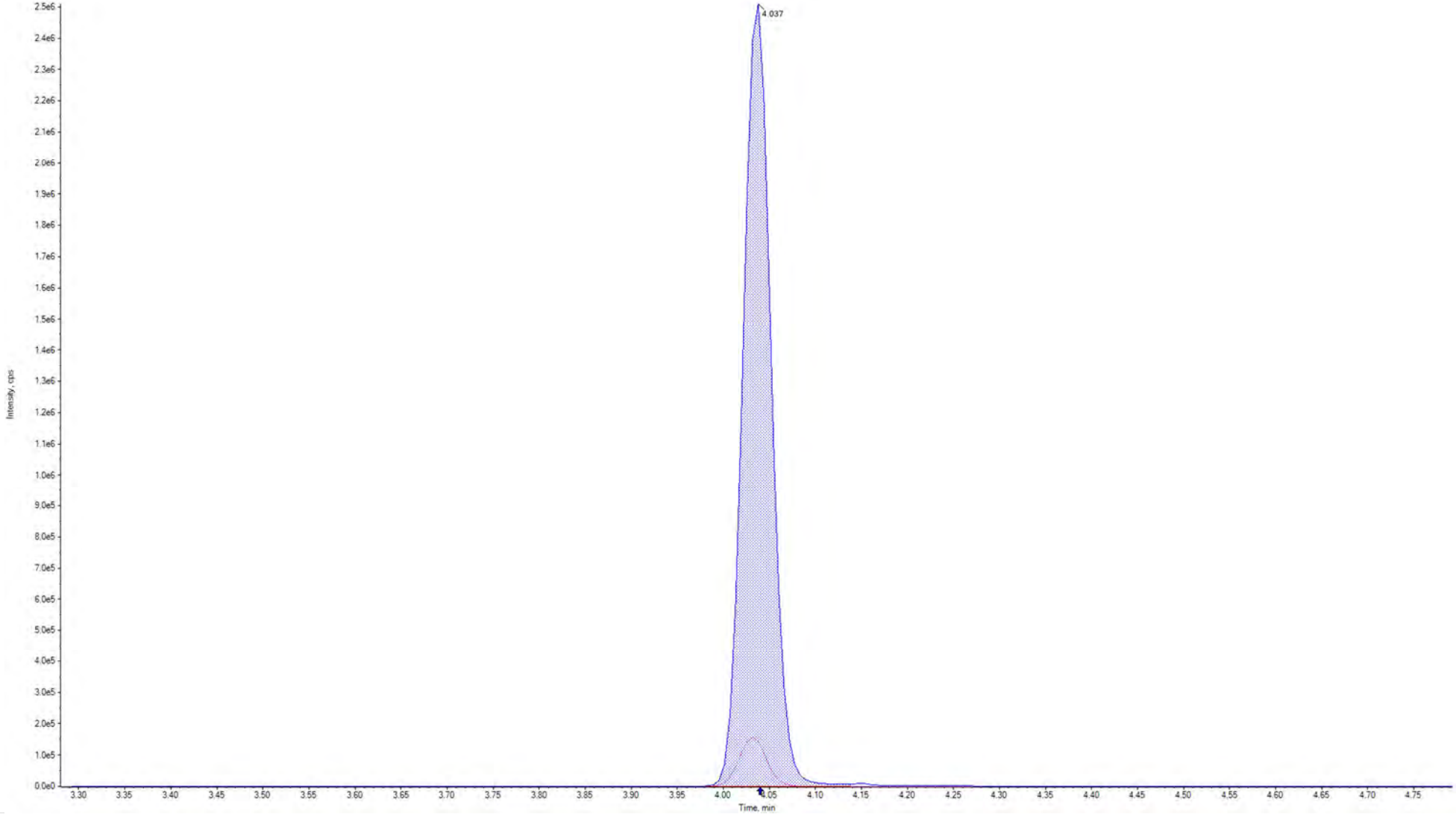
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_31.wiff2_6
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFNA_2
Sample: IA1633STD-25 S/N:936.3 Points Across peak:73



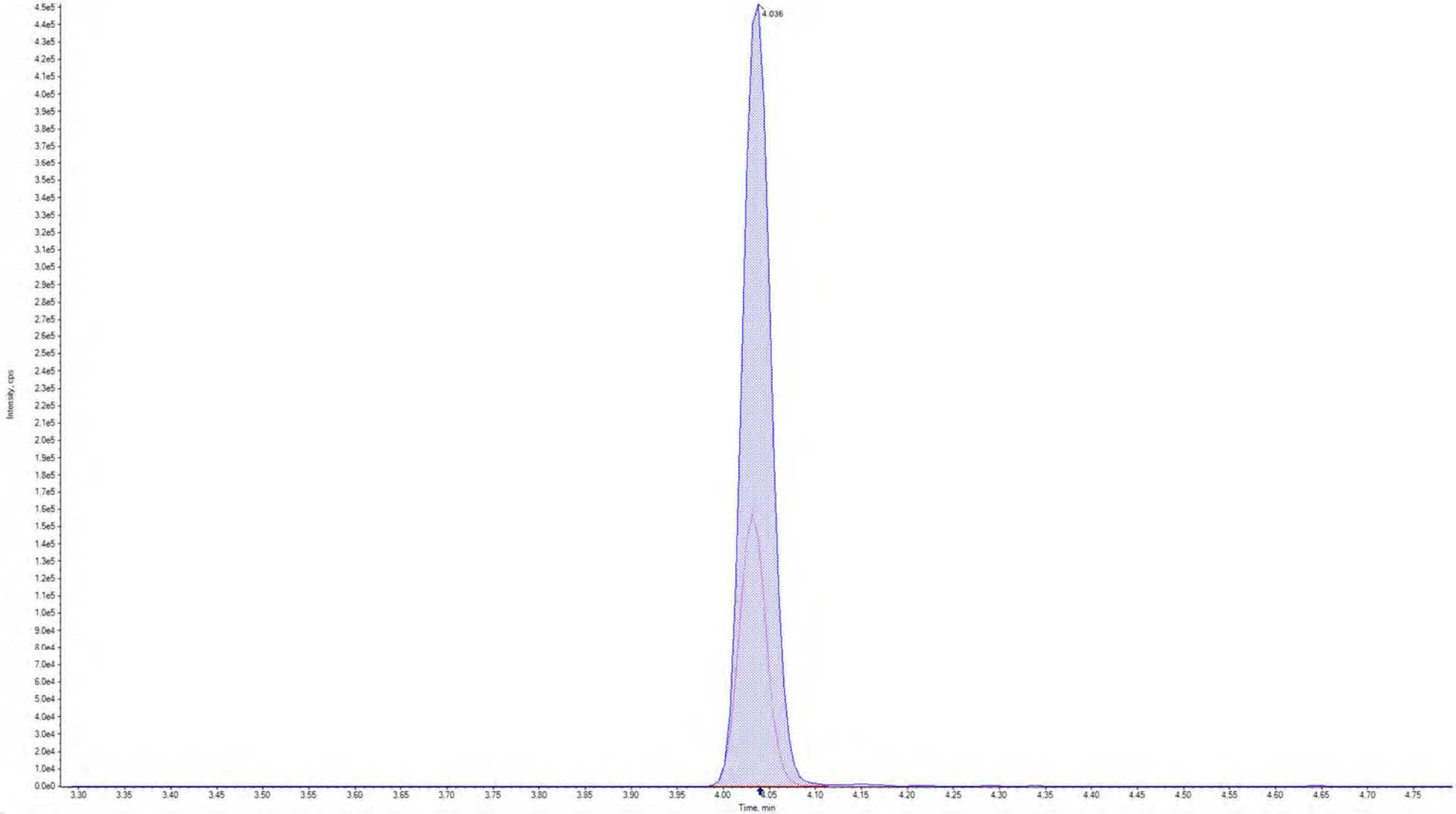
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_31.wiff2_6
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFDA
Sample: IA1633STD-25 S/N:9149.2 Points Across peak:30



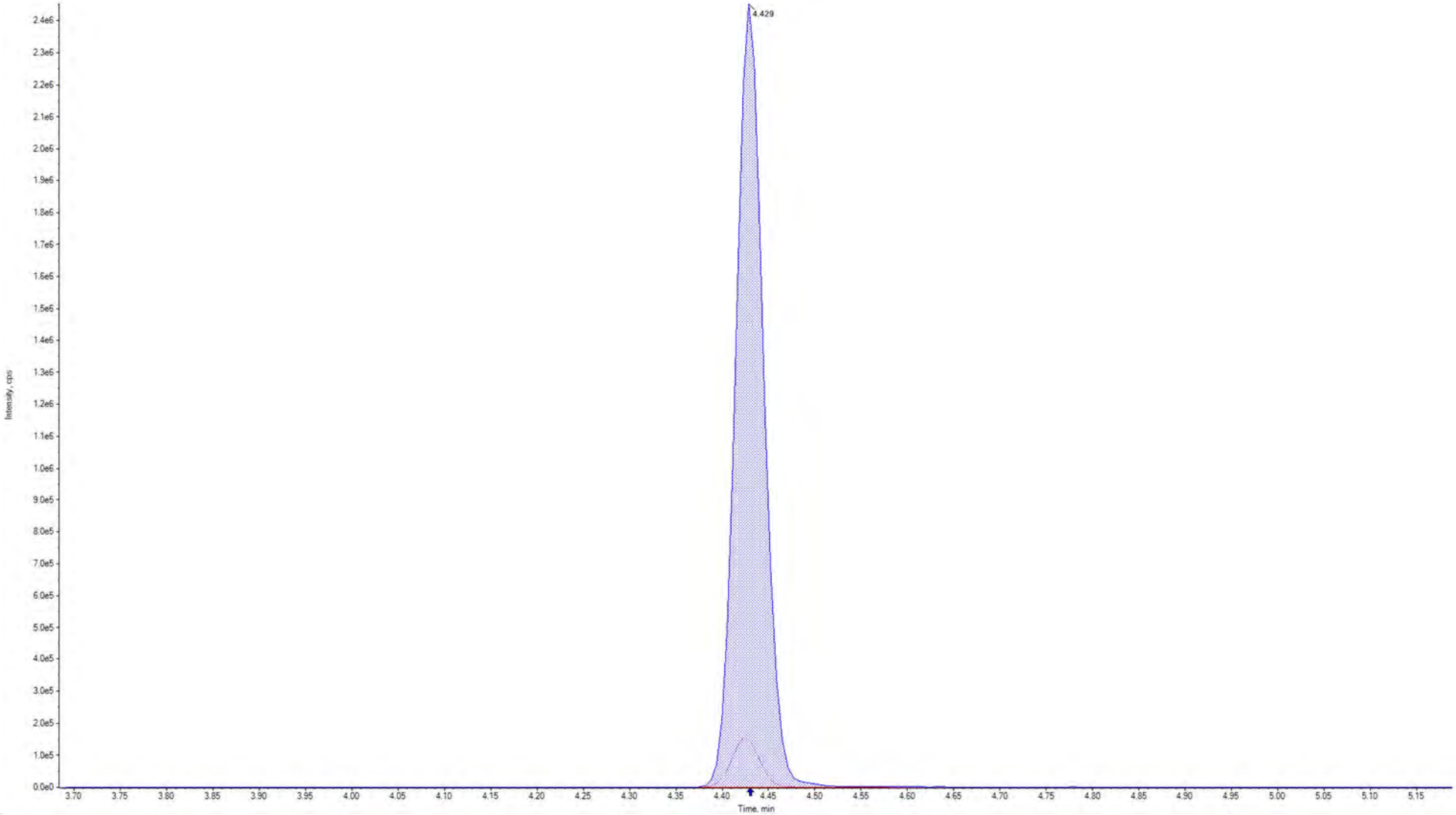
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_31.wiff2_6
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFDA_2
Sample: IA1633STD-25 S/N:5662.9 Points Across peak:28



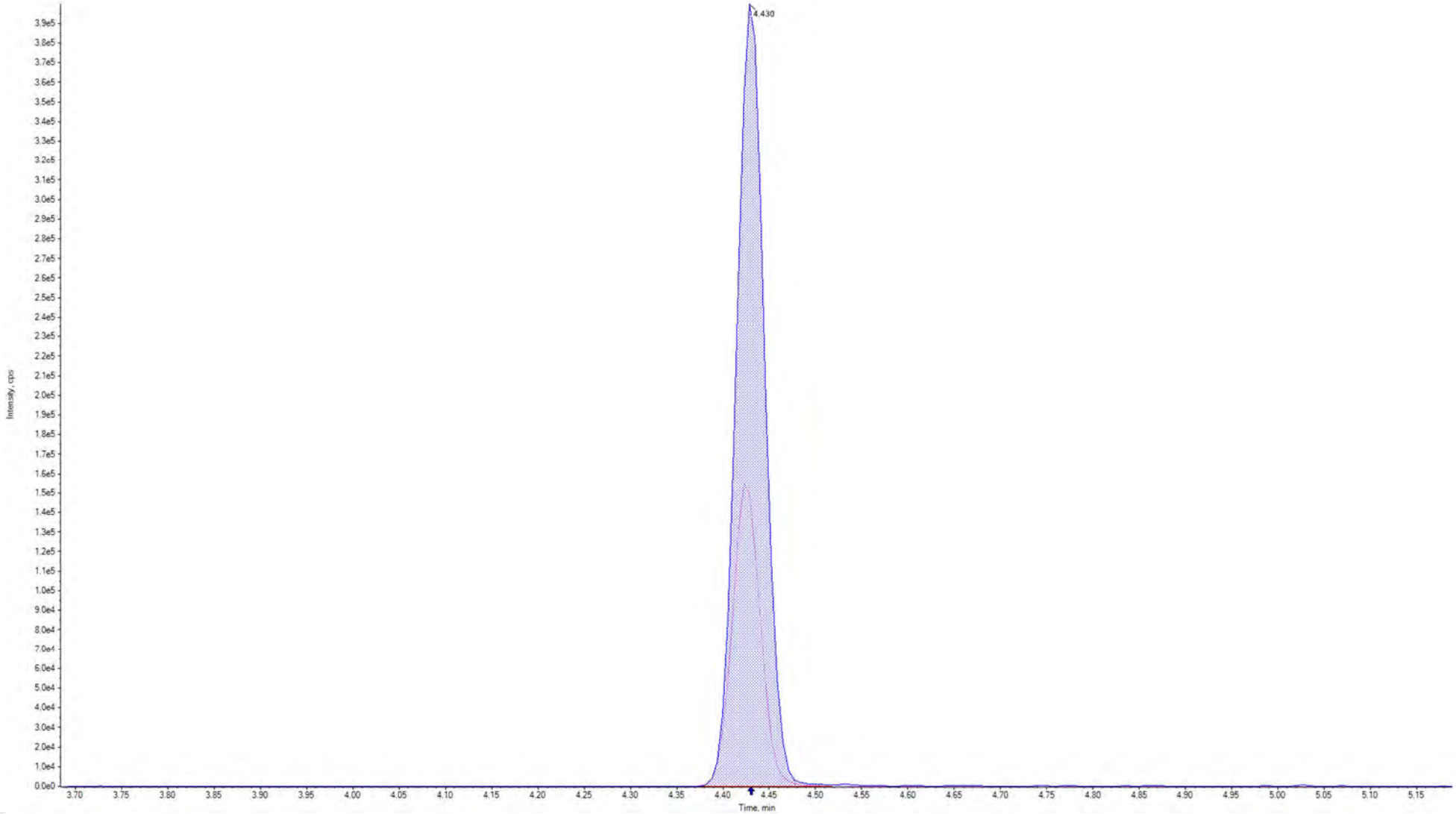
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_31.wiff2_6
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFUnA
Sample: IA1633STD-25 S/N:36873.9 Points Across peak:35



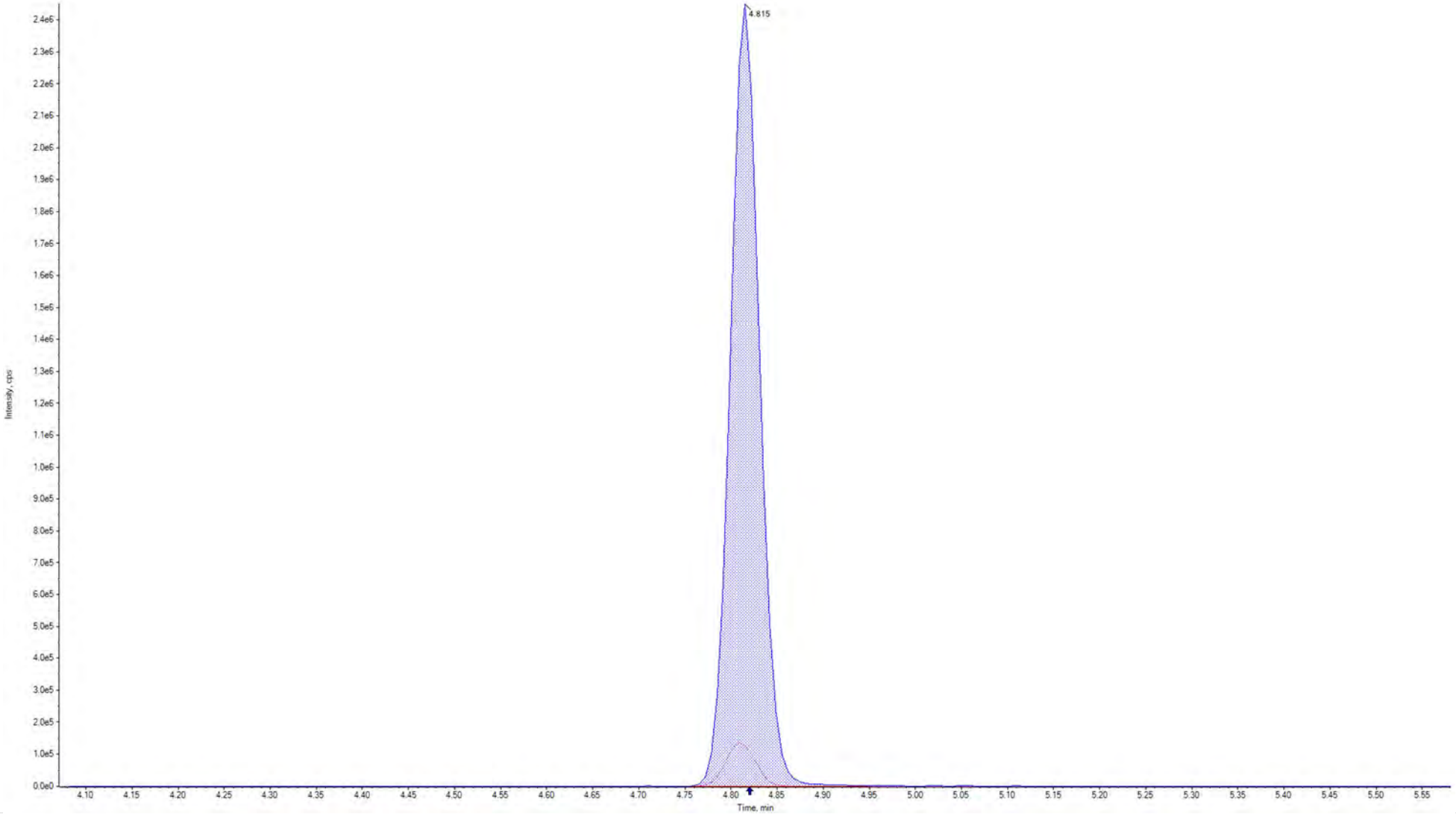
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_31.wiff2_6
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFUnA_2
Sample: IA1633STD-25 S/N:6013.0 Points Across peak:27



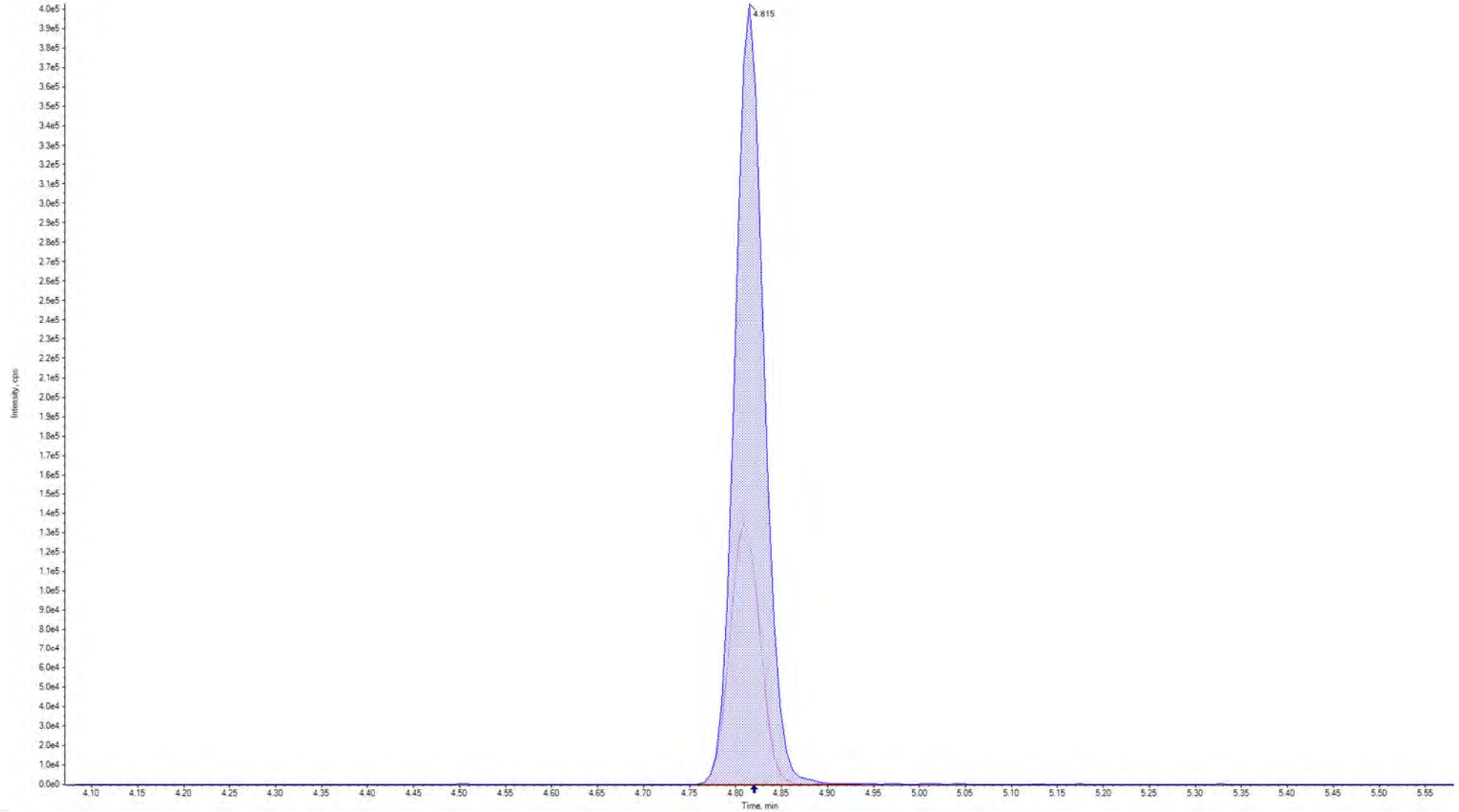
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_31.wiff2_6
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFDoA
Sample: IA1633STD-25 S/N:7032.6 Points Across peak:33



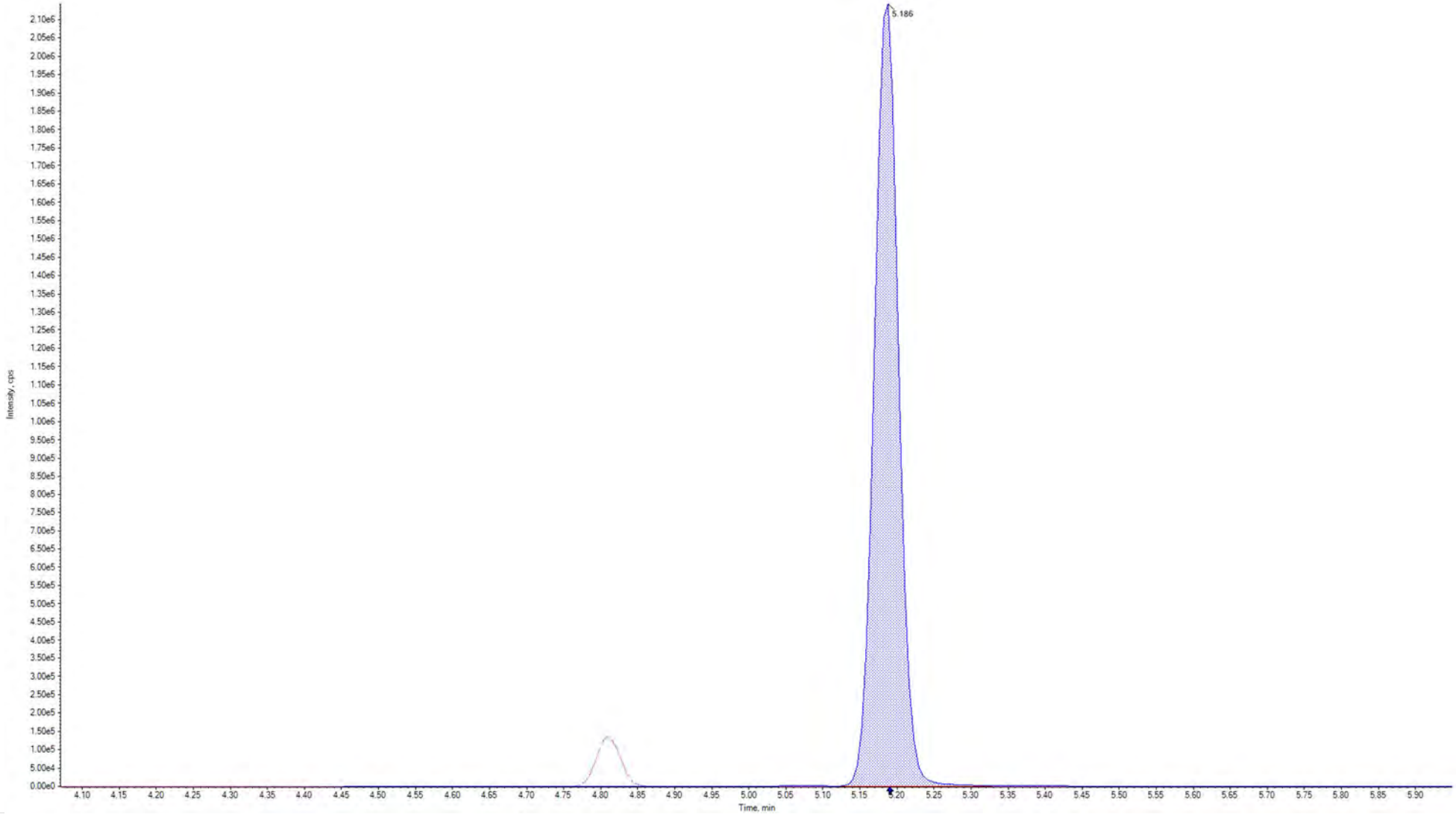
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_31.wiff2_6
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFDoA_2
Sample: IA1633STD-25 S/N:7066.1 Points Across peak:33



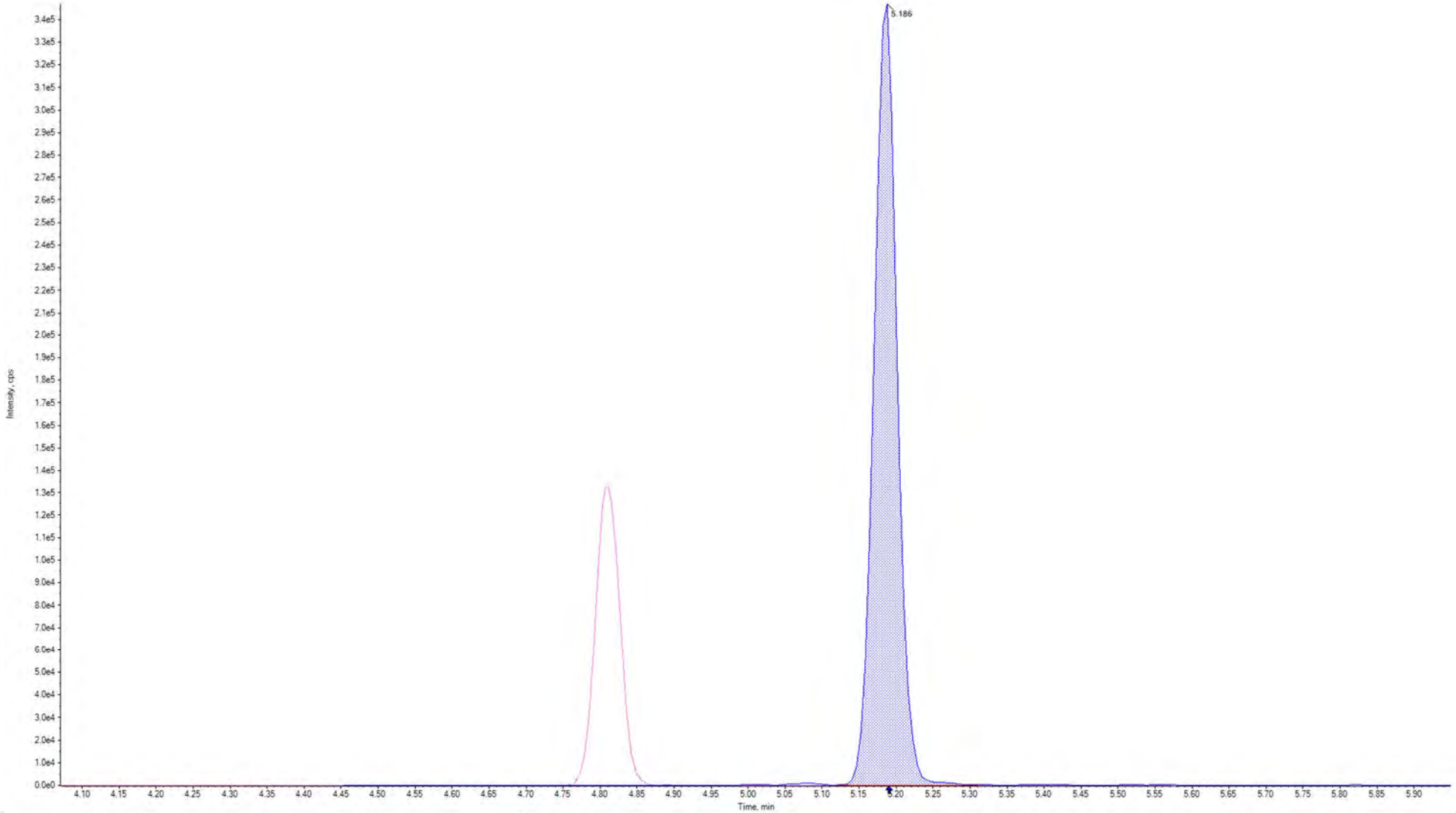
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_31.wiff2_6
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFTrDA
Sample: IA1633STD-25 S/N:6549.5 Points Across peak:36



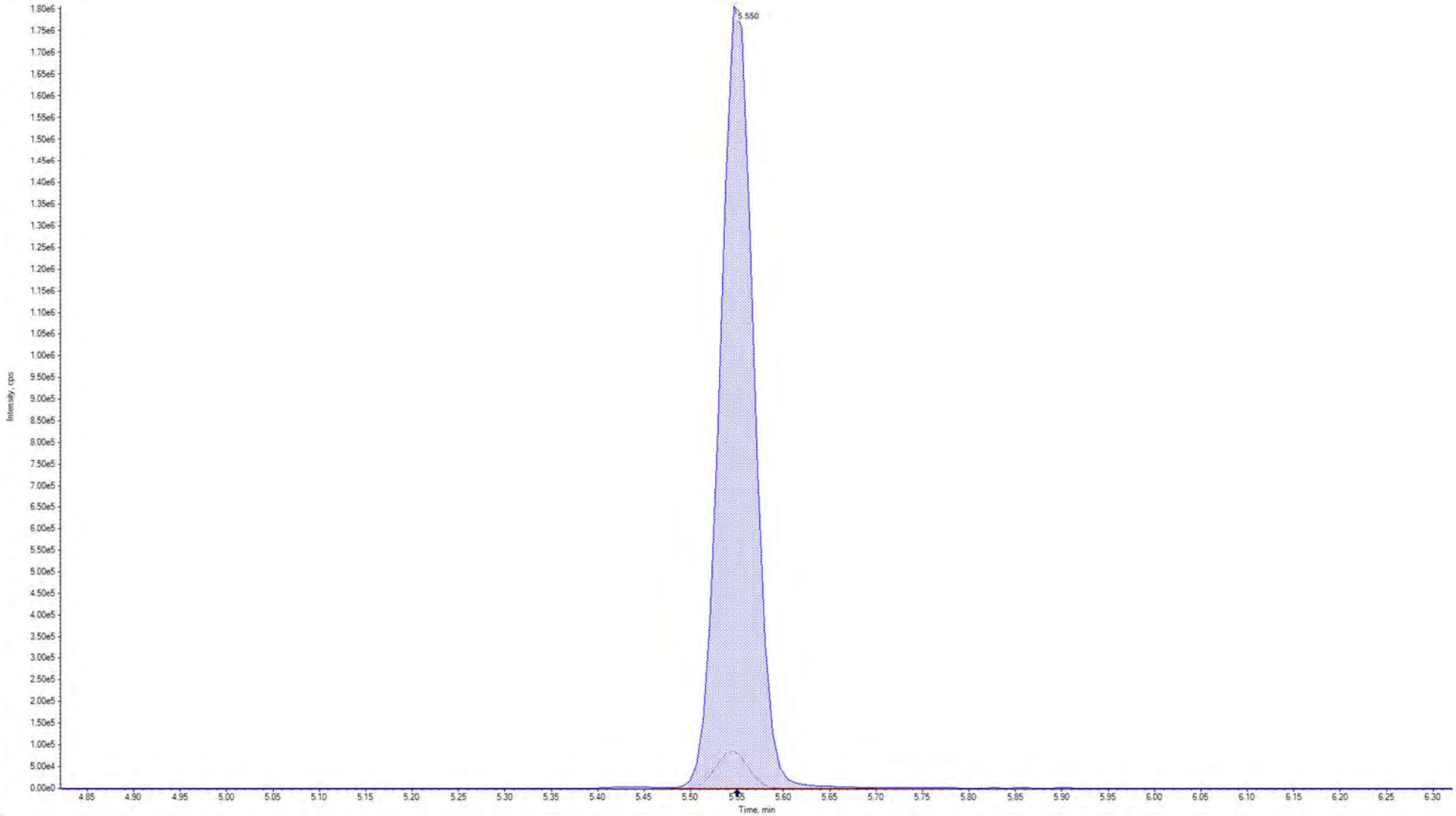
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_31.wiff2_6
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFTrDA_2
Sample: IA1633STD-25 S/N:6595.5 Points Across peak:33



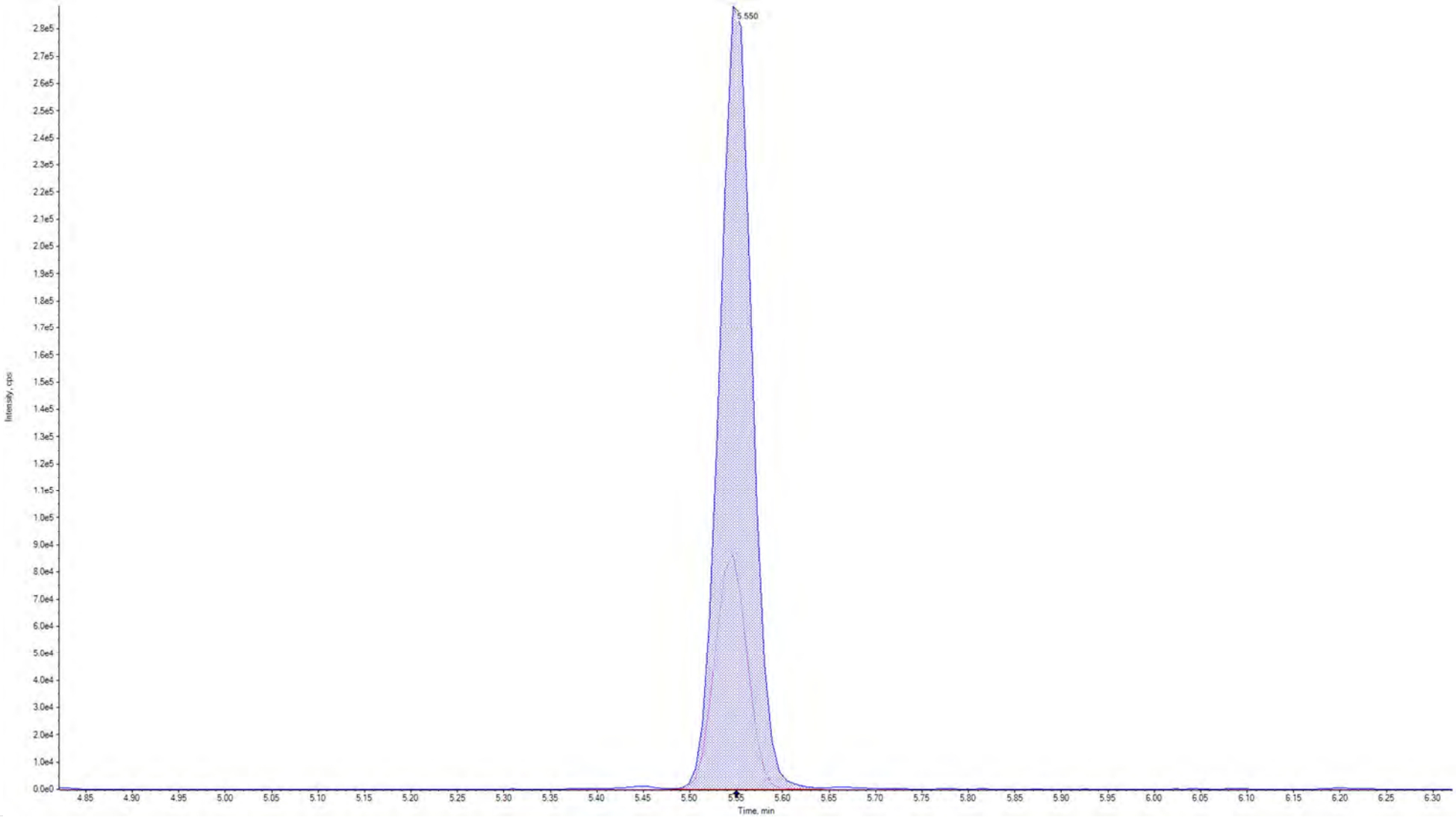
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_31.wiff2_6
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFTeDA
Sample: IA1633STD-25 S/N:49787.2 Points Across peak:29



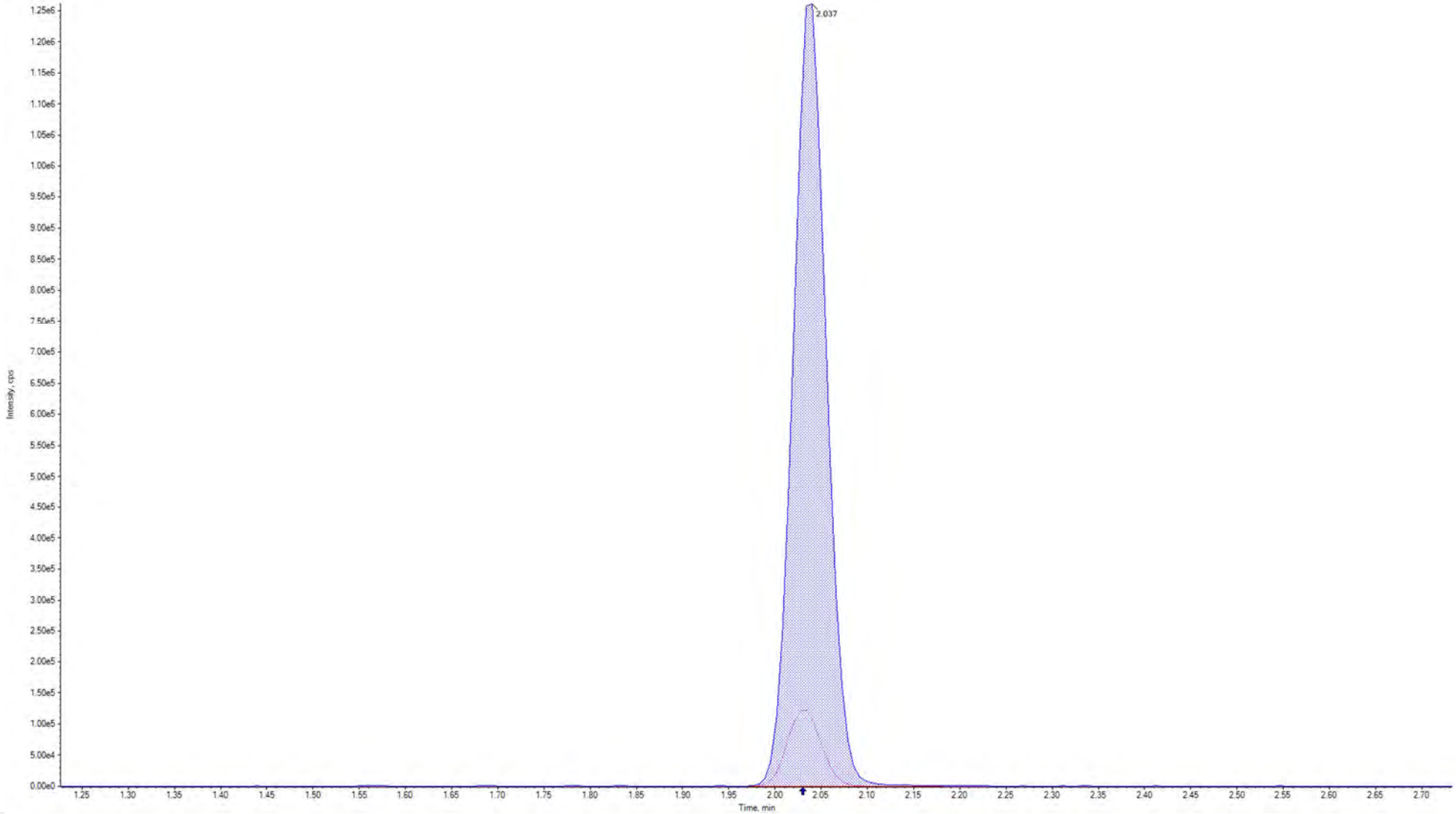
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_31.wiff2_6
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFTeDA_2
Sample: IA1633STD-25 S/N:4298.2 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\250228\SCI07_250228_31.wiff2_6
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFBS
Sample: IA1633STD-25 S/N:8423.6 Points Across peak:36



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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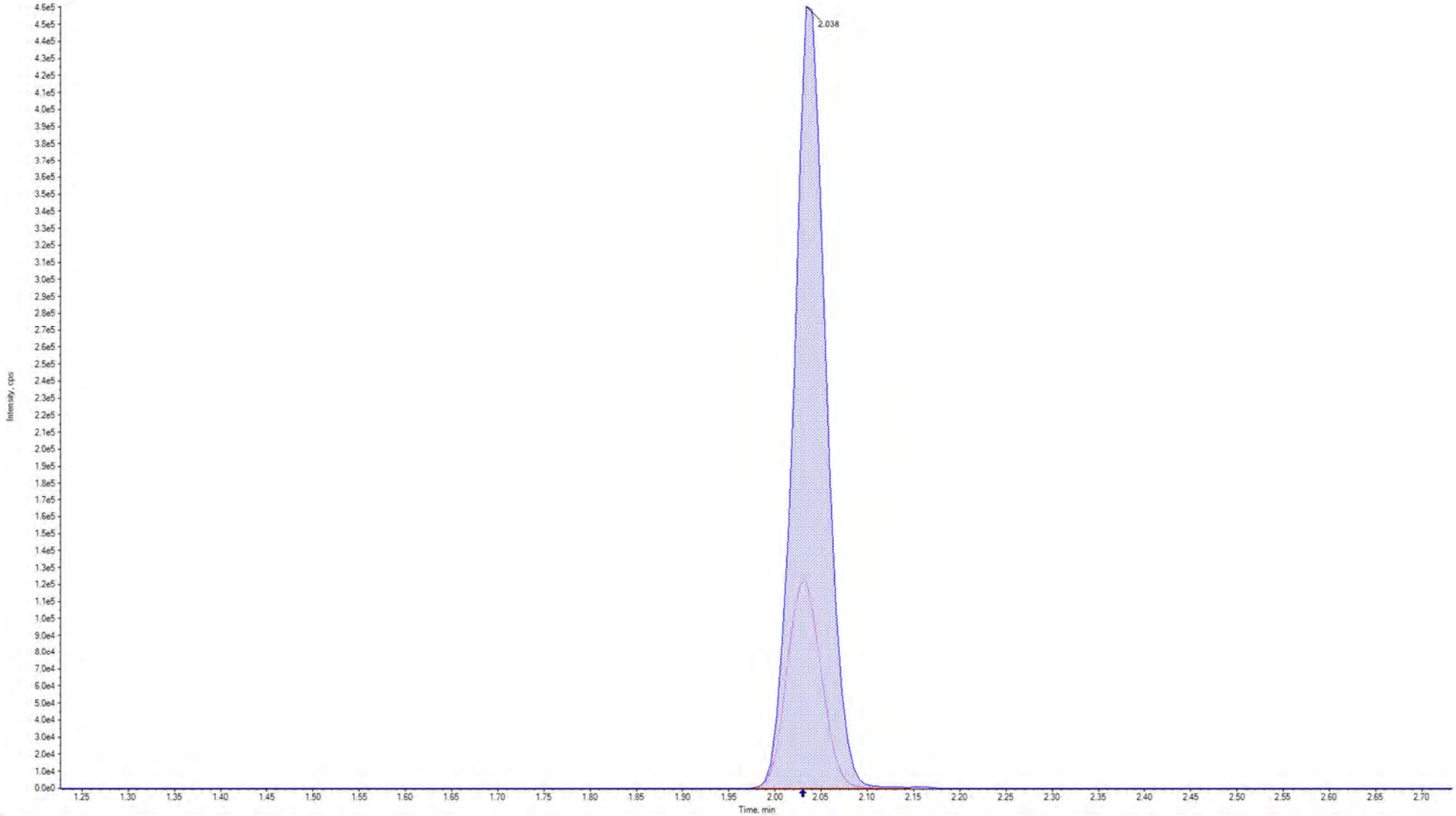
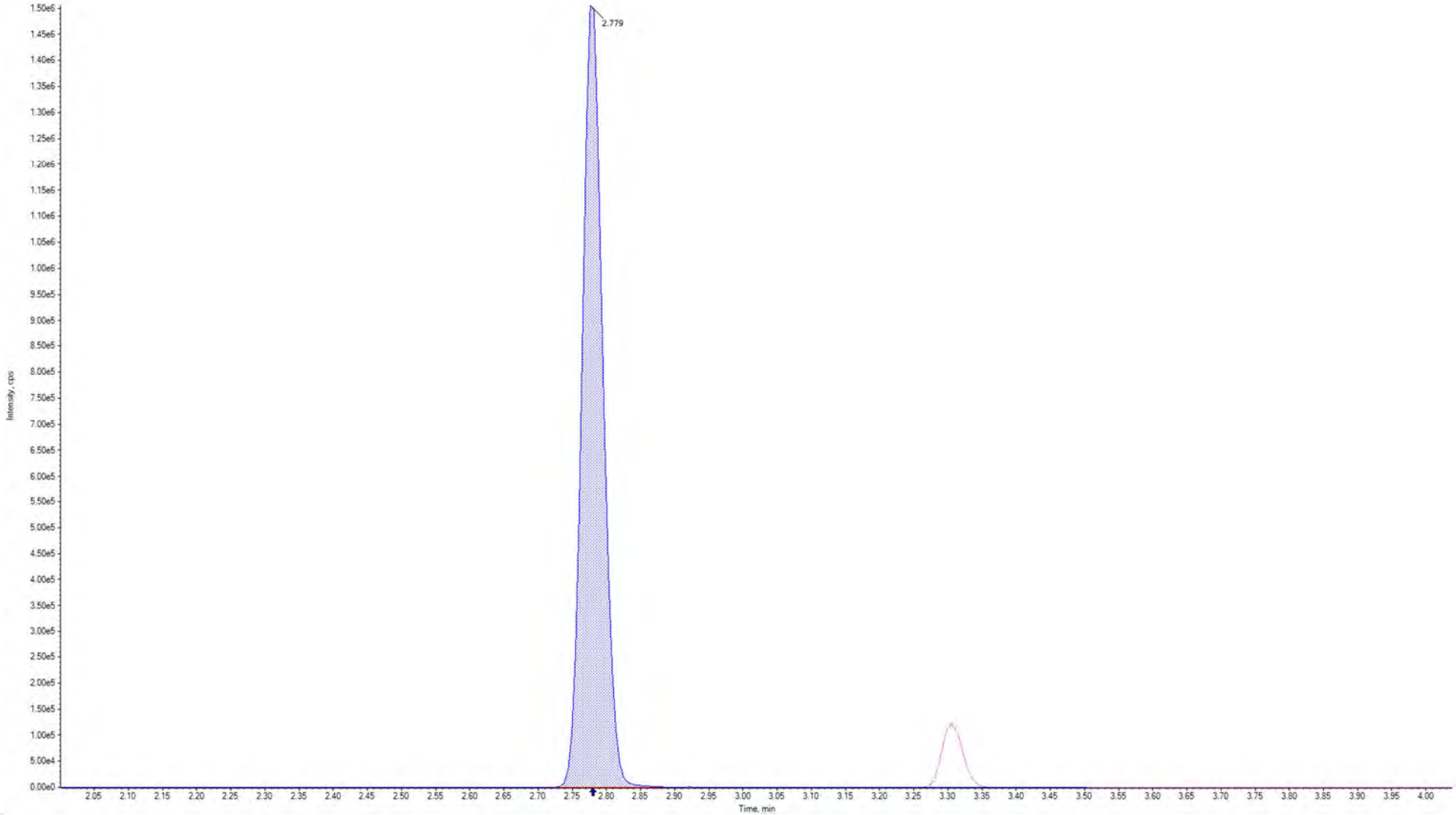
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFBS_2
Sample: IA1633STD-25 S/N:9237.6 Points Across peak:31



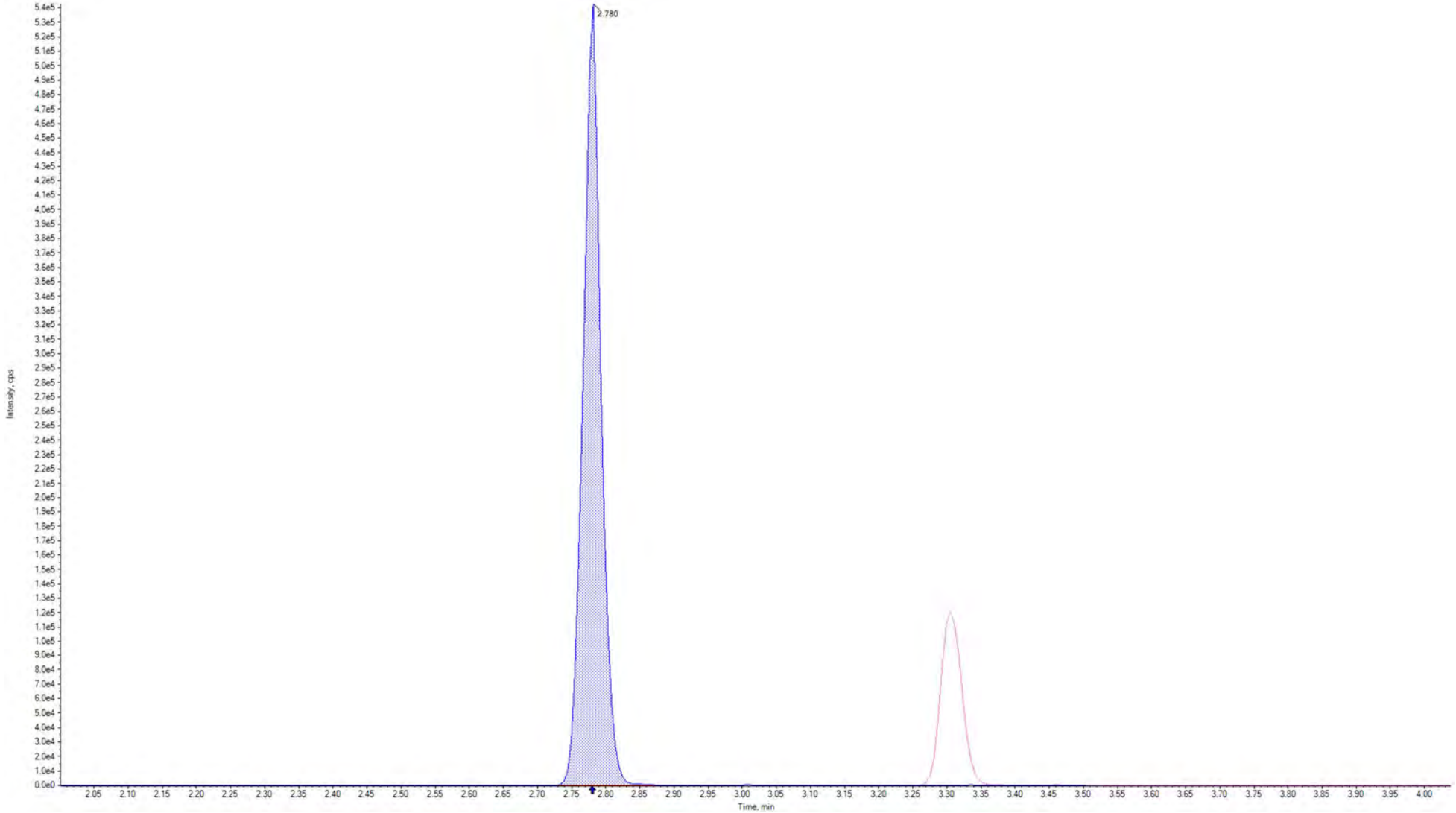
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_31.wiff2_6
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFPeS
Sample: IA1633STD-25 S/N:14187.4 Points Across peak:36



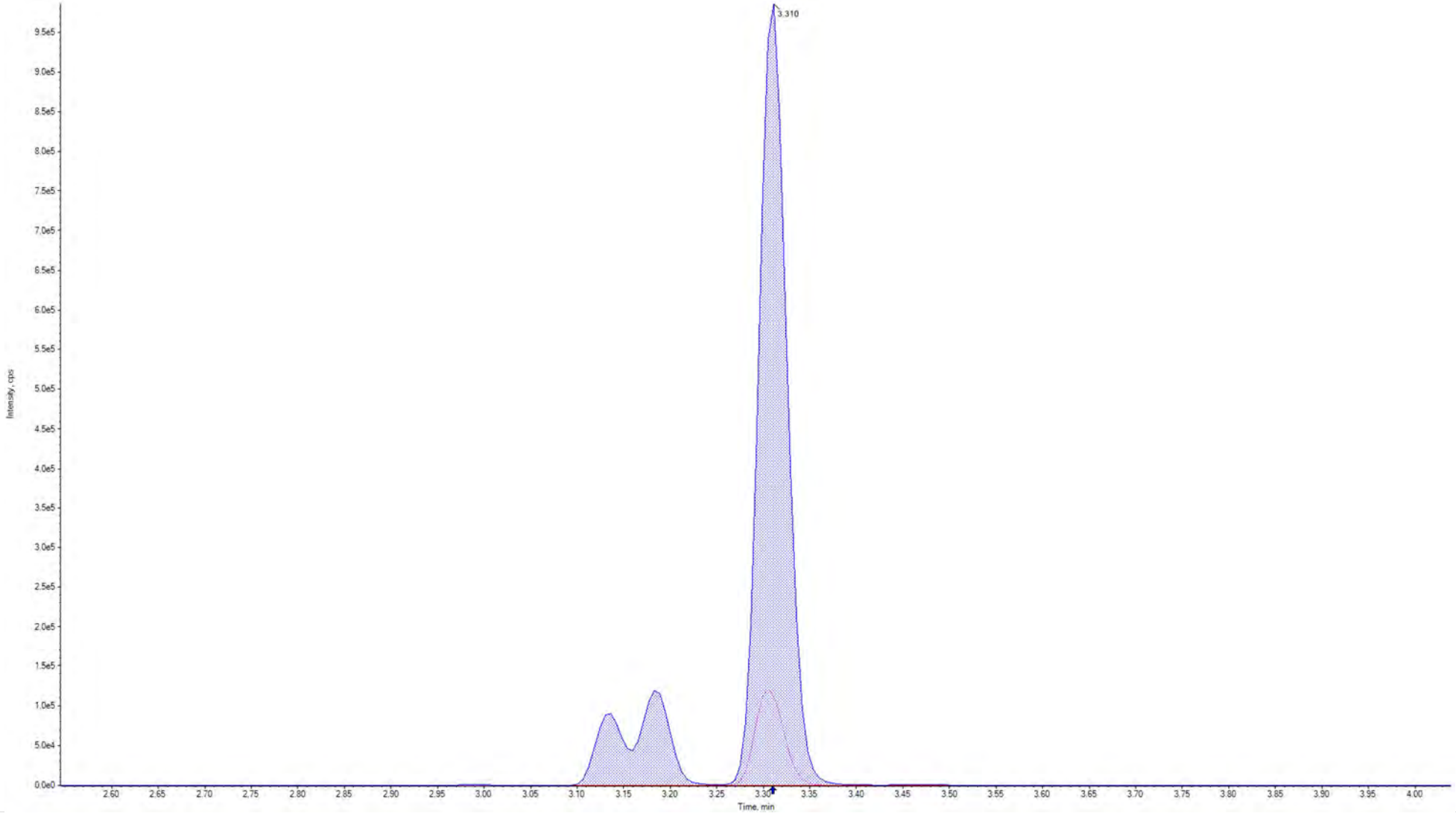
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_31.wiff2_6
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFPeS_2
Sample: IA1633STD-25 S/N:8161.1 Points Across peak:35



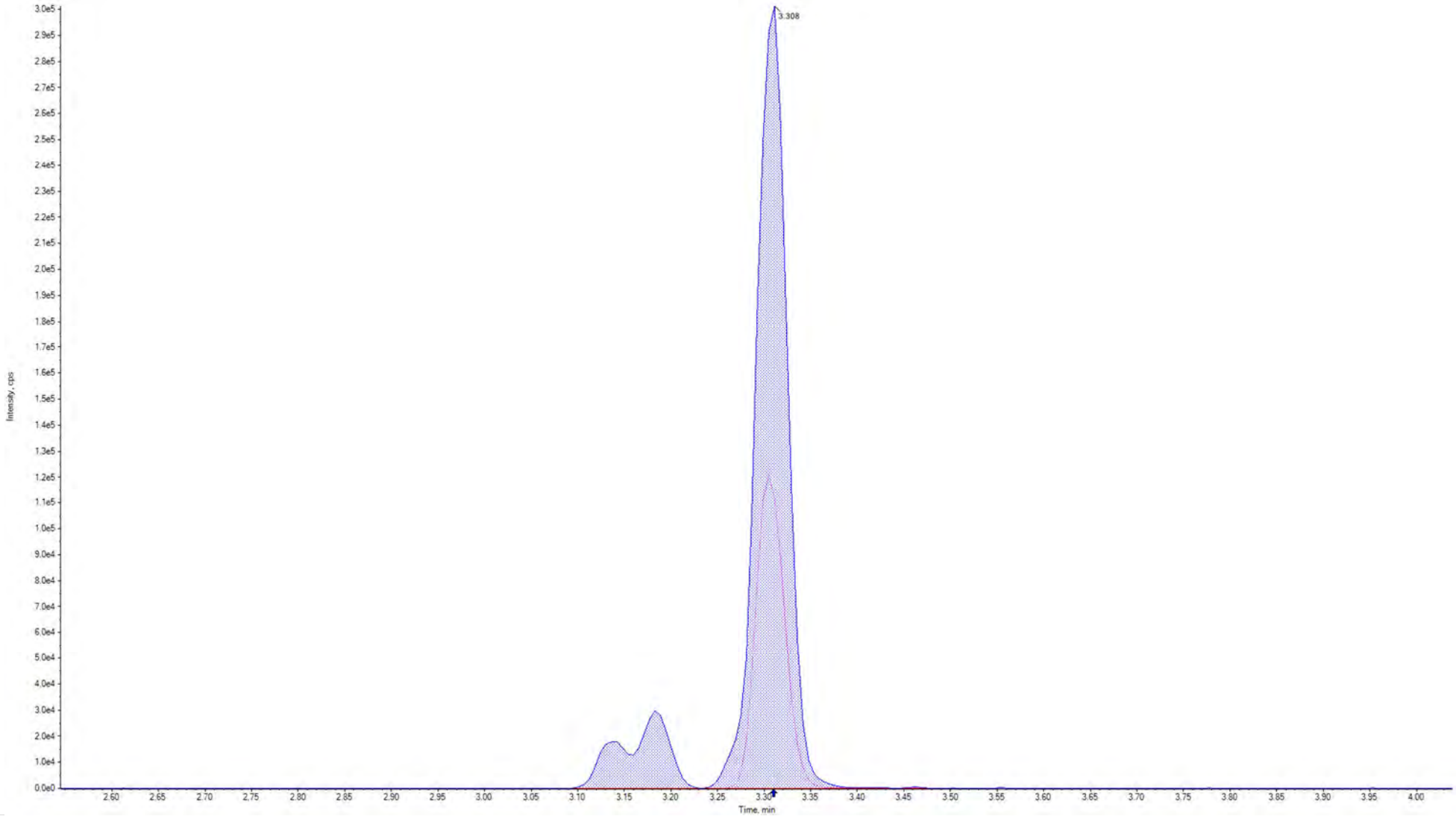
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_31.wiff2_6
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFHxS
Sample: IA1633STD-25 S/N:2040.9 Points Across peak:75



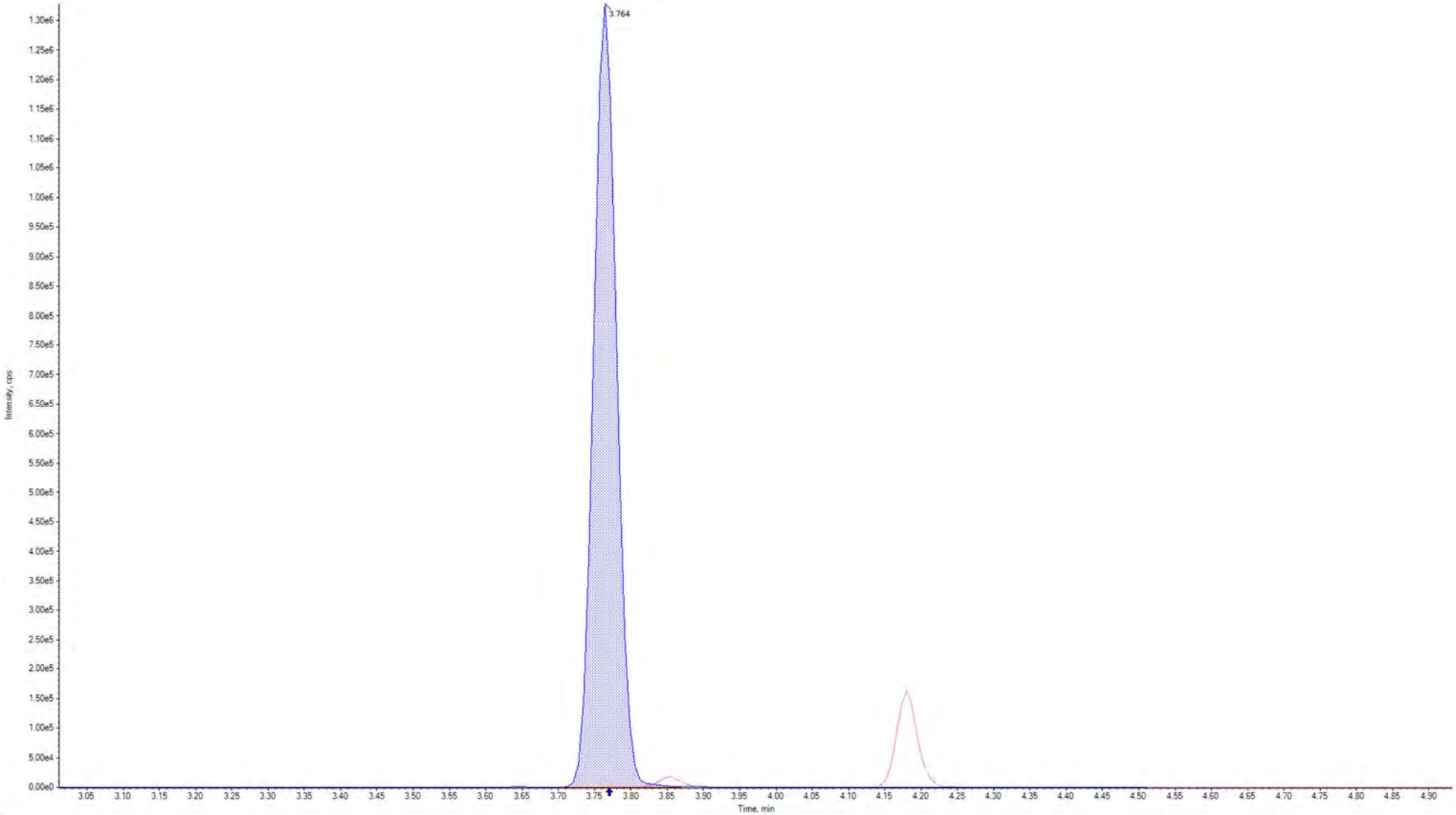
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_31.wiff2_6
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFHxS_2
Sample: IA1633STD-25 S/N:2266.7 Points Across peak:66



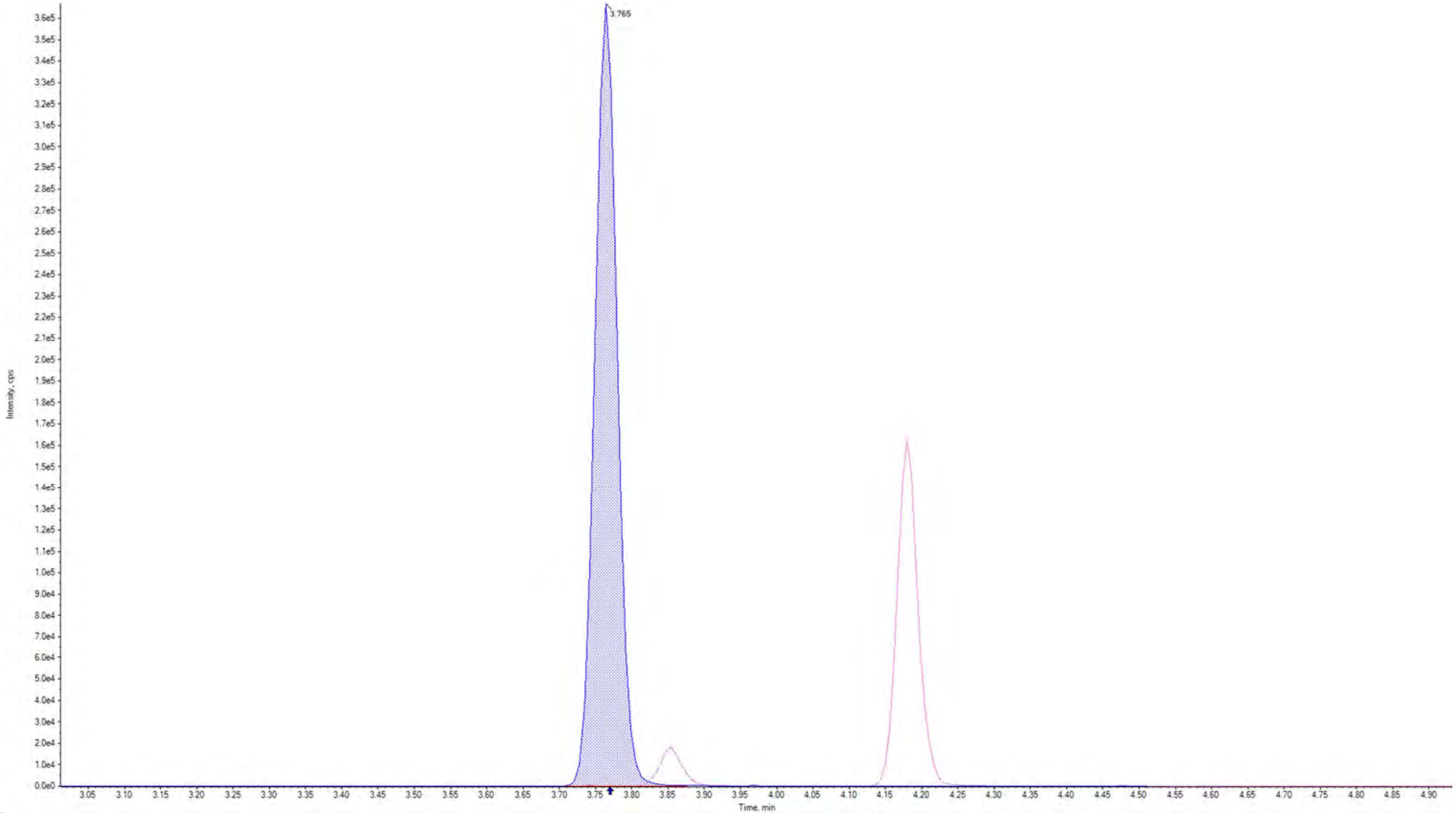
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_31.wiff2_6
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFHpS
Sample: IA1633STD-25 S/N:8371.0 Points Across peak:26



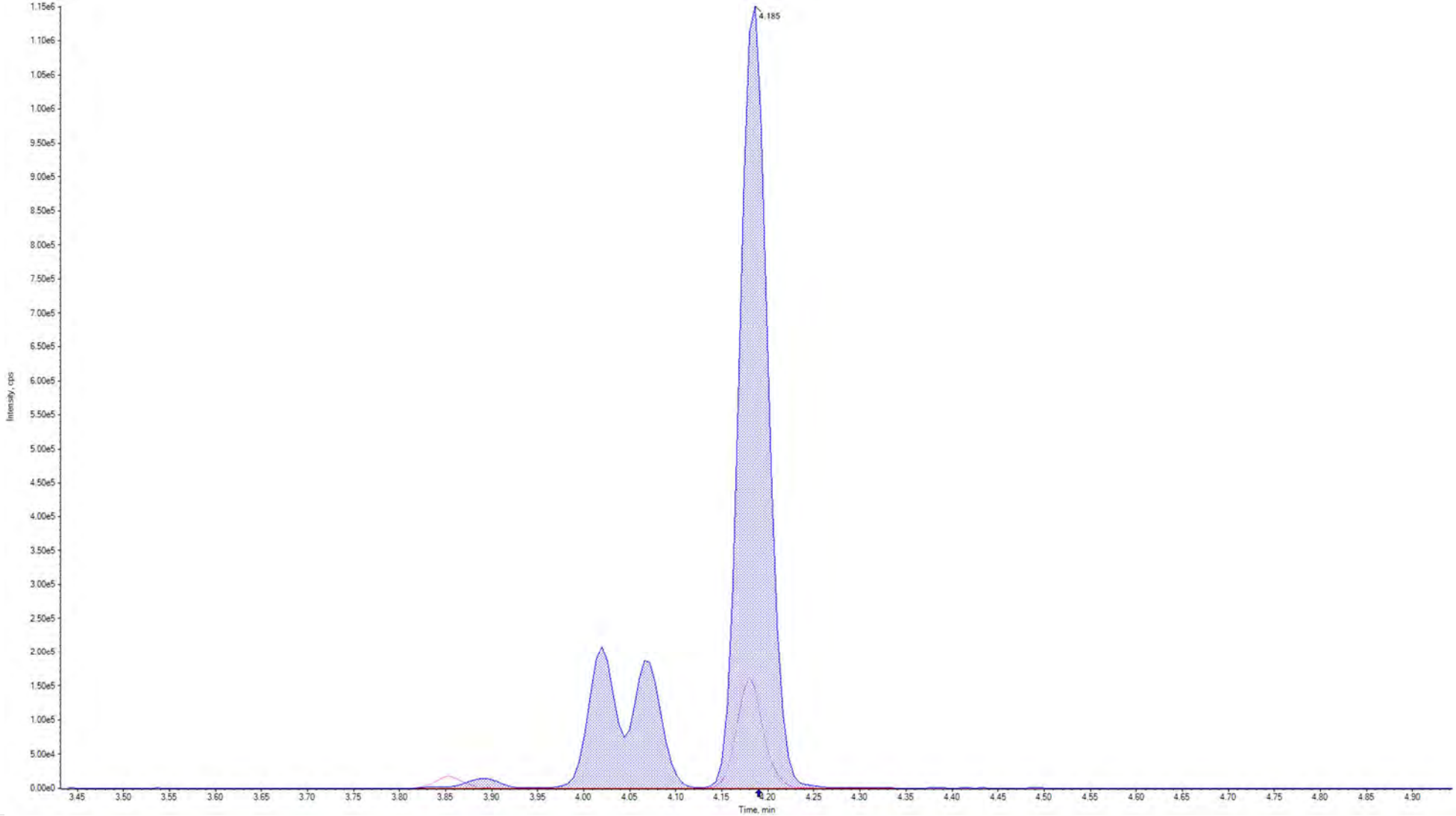
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_31.wiff2_6
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFHpS_2
Sample: IA1633STD-25 S/N:4595.2 Points Across peak:26



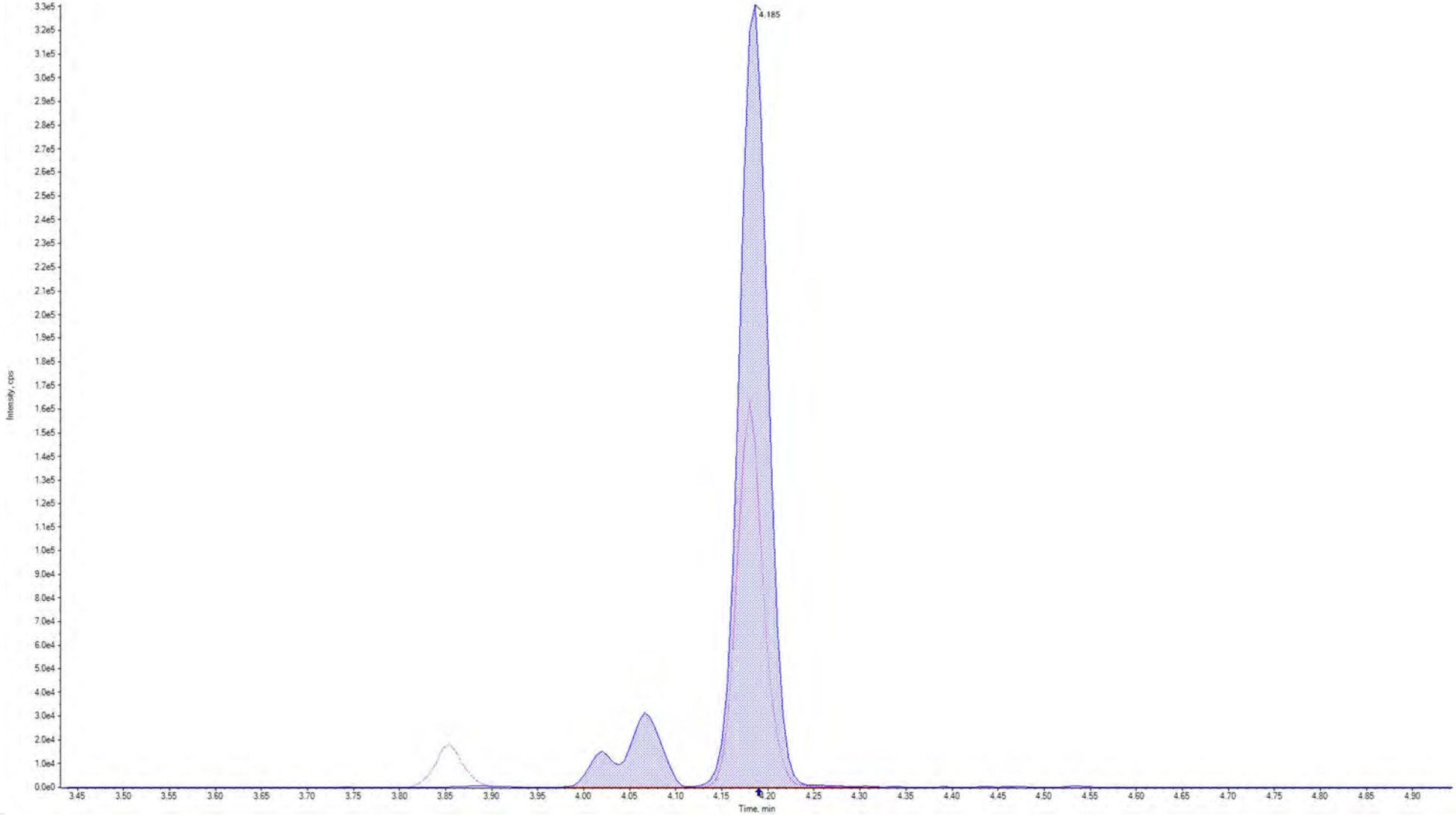
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_31.wiff2_6
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFOS
Sample: IA1633STD-25 S/N:1068.0 Points Across peak:87



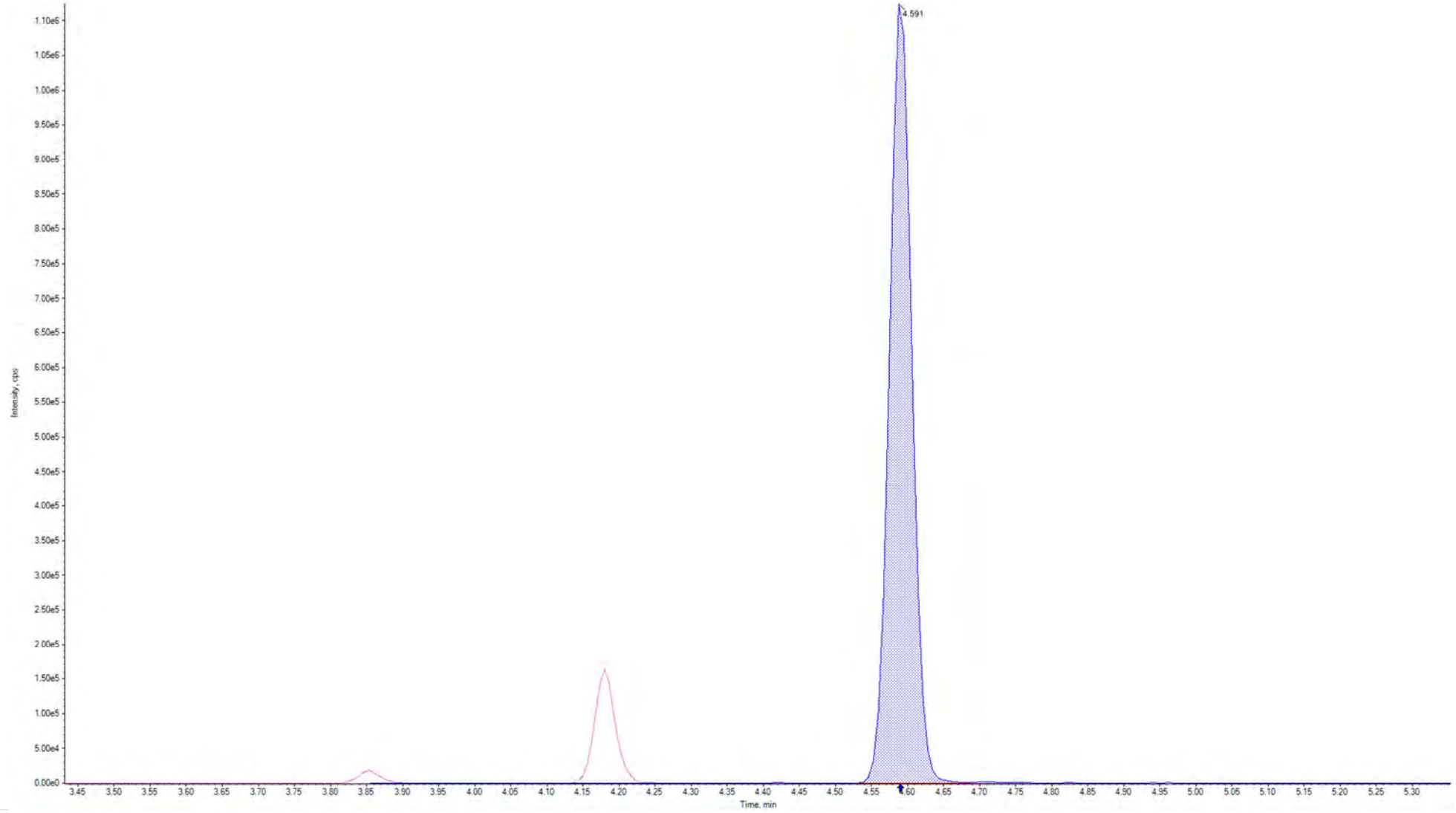
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_31.wiff2_6
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFOS_2
Sample: IA1633STD-25 S/N:1546.4 Points Across peak:61



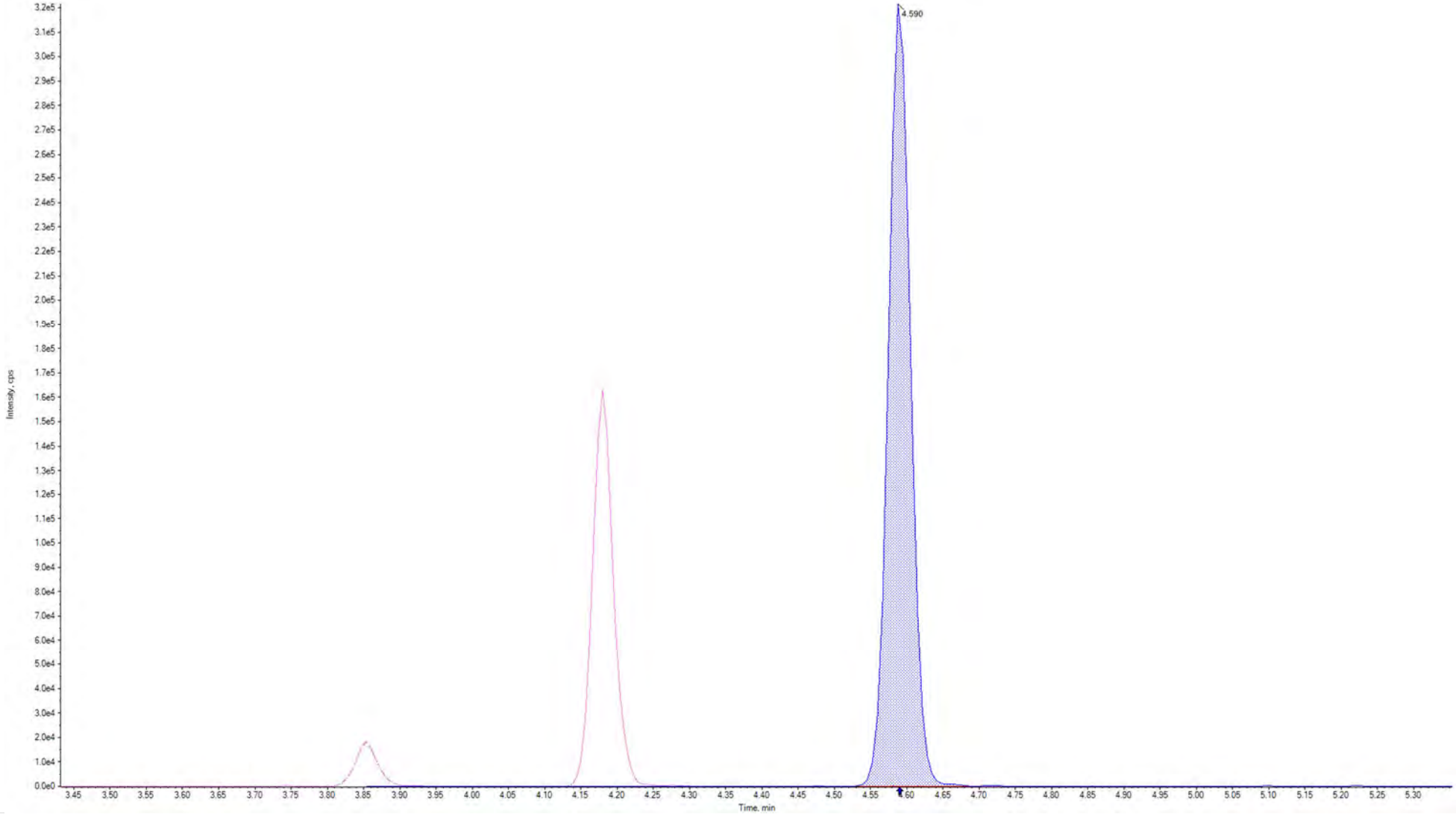
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_31.wiff2_6
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFNS
Sample: IA1633STD-25 S/N:9741.6 Points Across peak:26



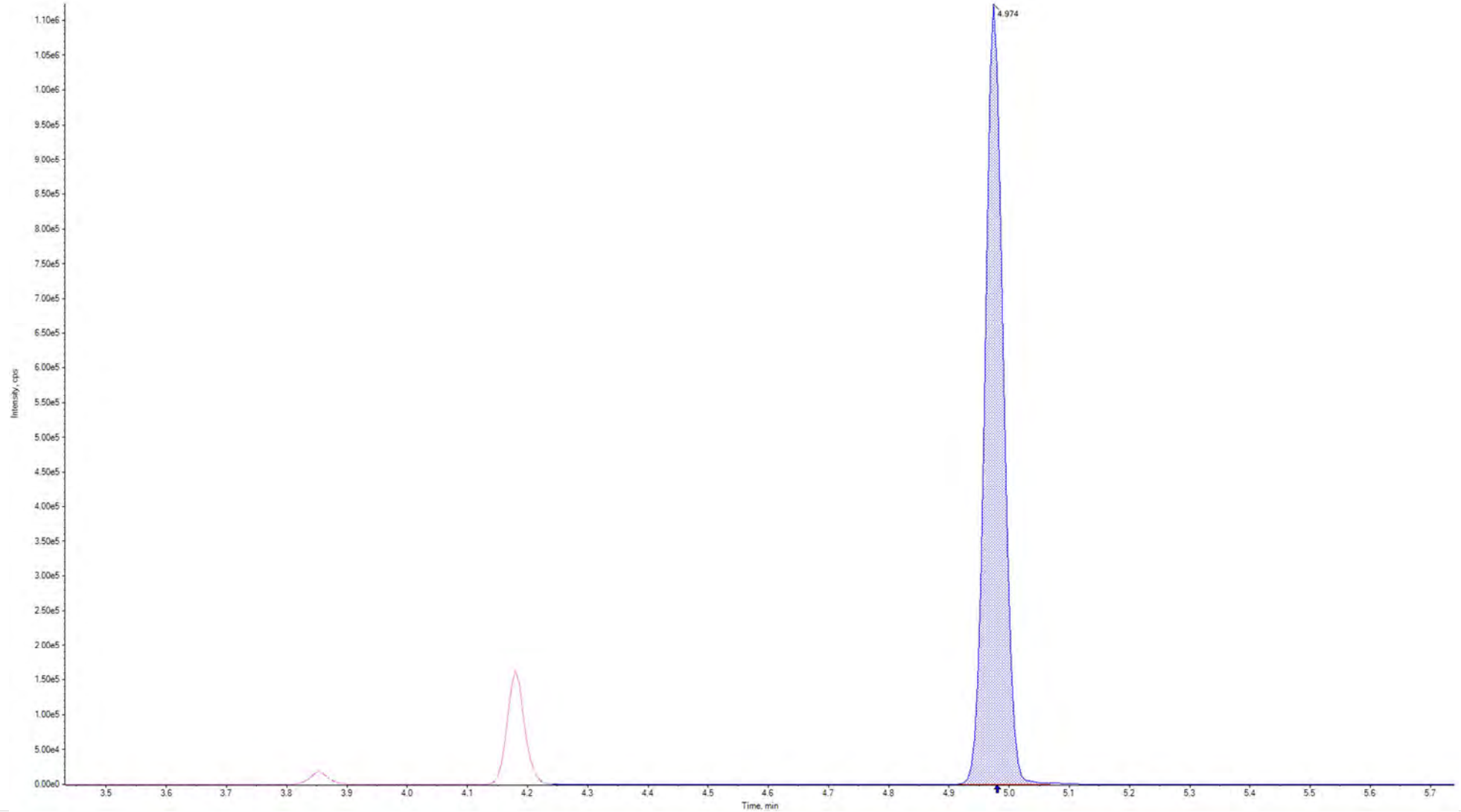
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_31.wiff2_6
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFNS_2
Sample: IA1633STD-25 S/N:4835.8 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\250228\SCI07_250228_31.wiff2_6
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFDS
Sample: IA1633STD-25 S/N:6976.7 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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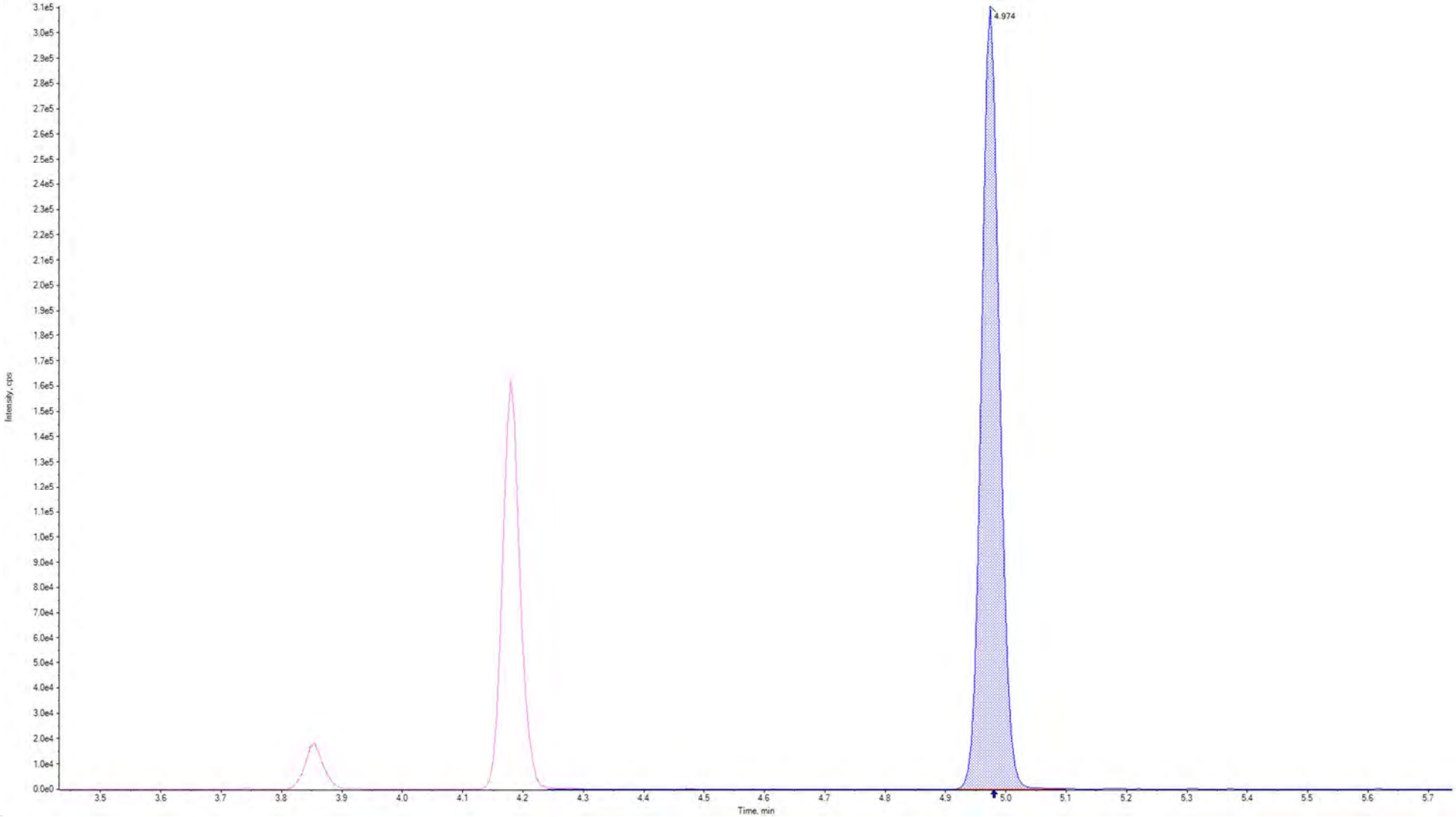
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFDS_2
Sample: IA1633STD-25 S/N:5448.4 Points Across peak:36



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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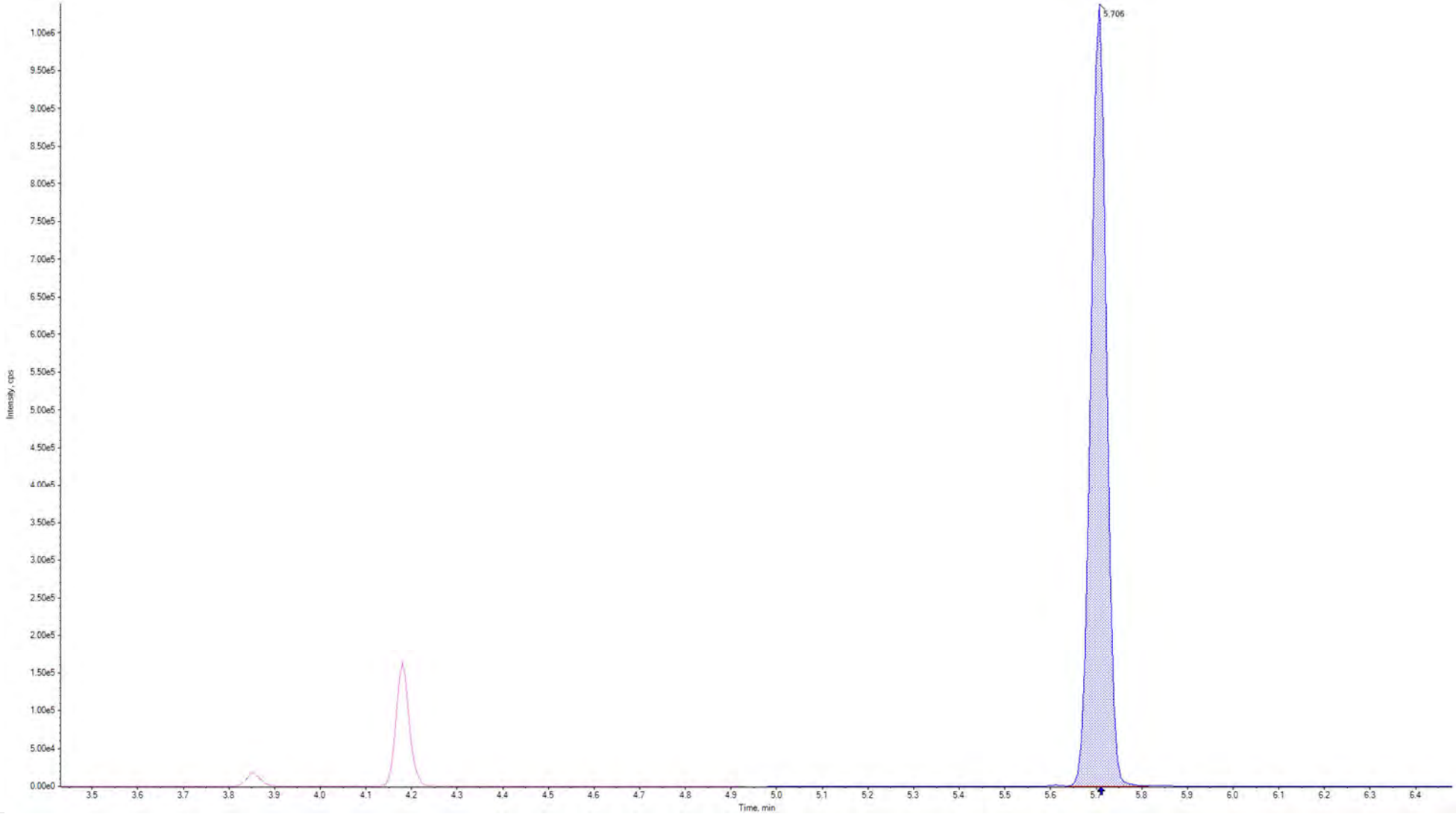
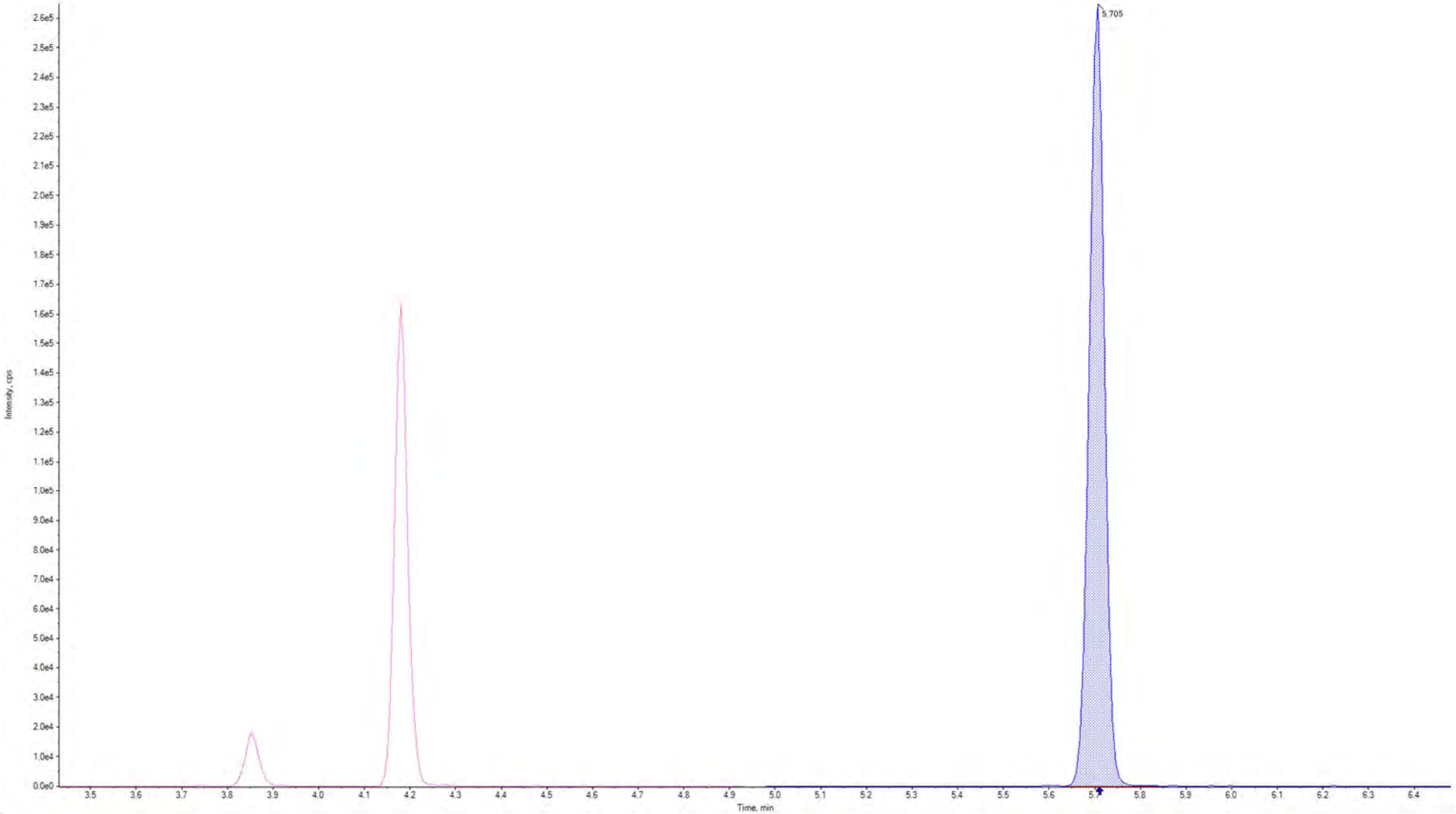
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFDoS
Sample: IA1633STD-25 S/N:33823.6 Points Across peak:24



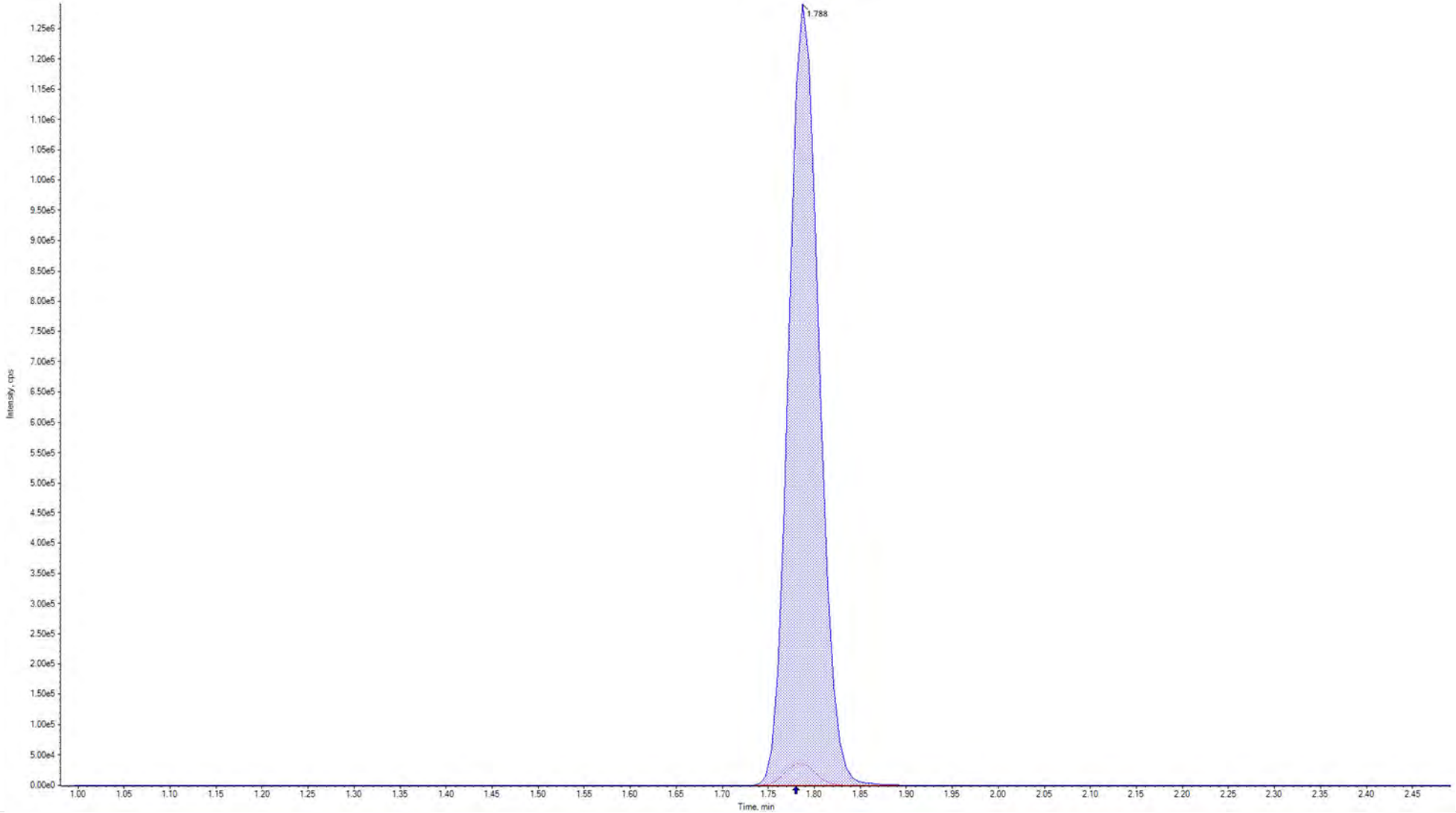
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_31.wiff2_6
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFDoS_2
Sample: IA1633STD-25 S/N:6808.3 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\250228\SCI07_250228_31.wiff2_6
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

4:2FTS
Sample: IA1633STD-25 S/N:19929.5 Points Across peak:33



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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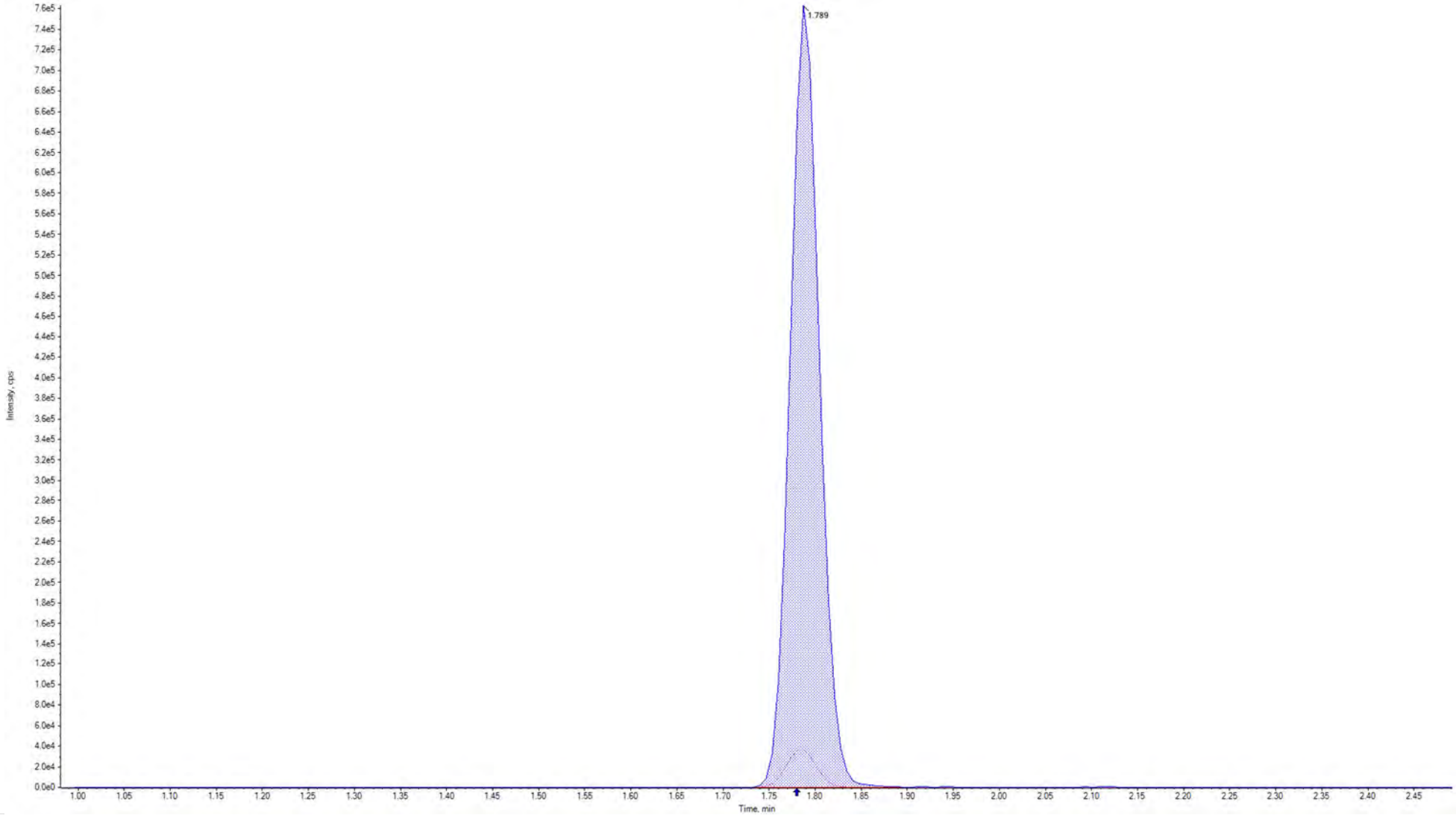
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

4:2FTS_2
Sample: IA1633STD-25 S/N:21038.9 Points Across peak:33



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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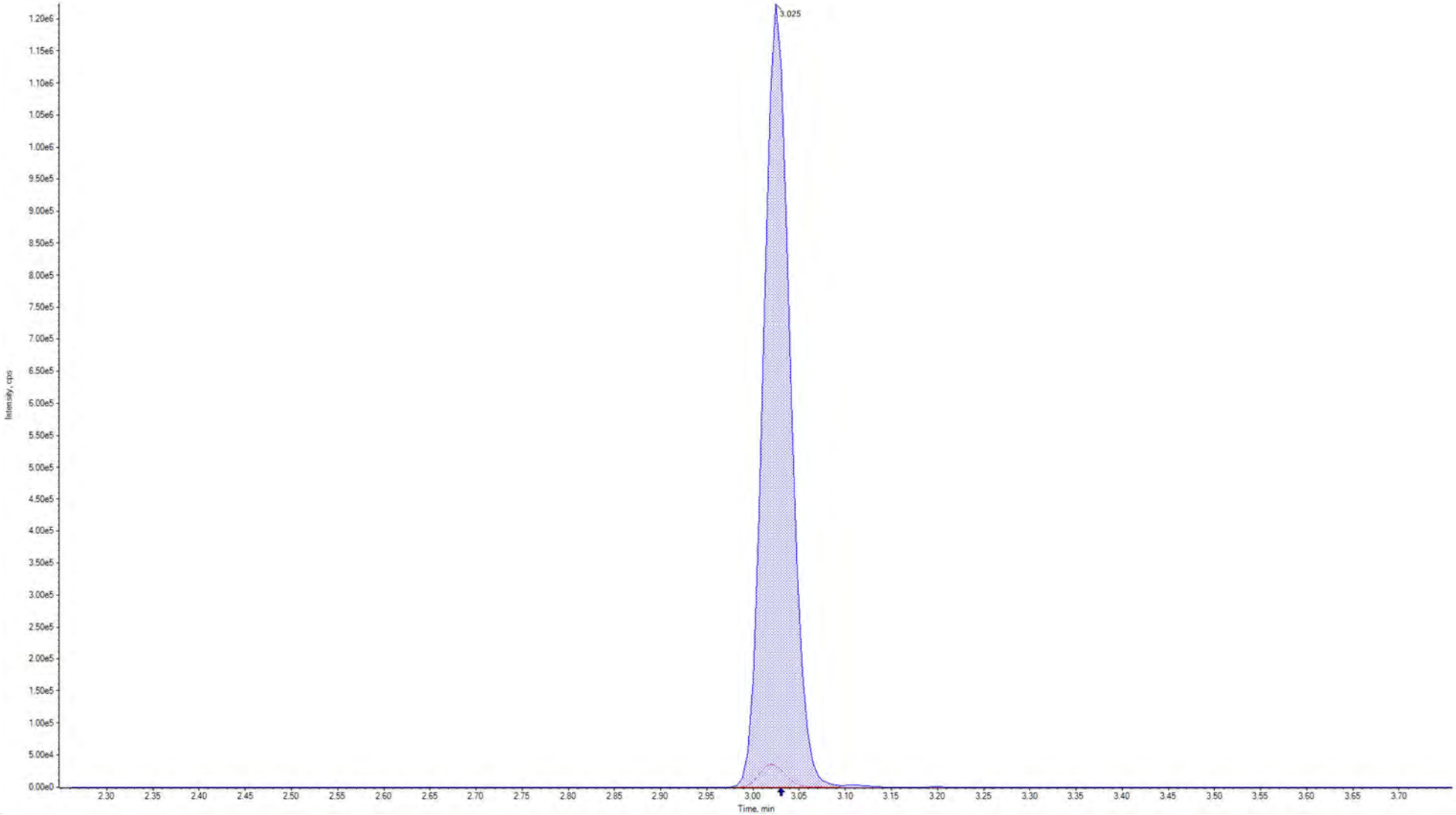
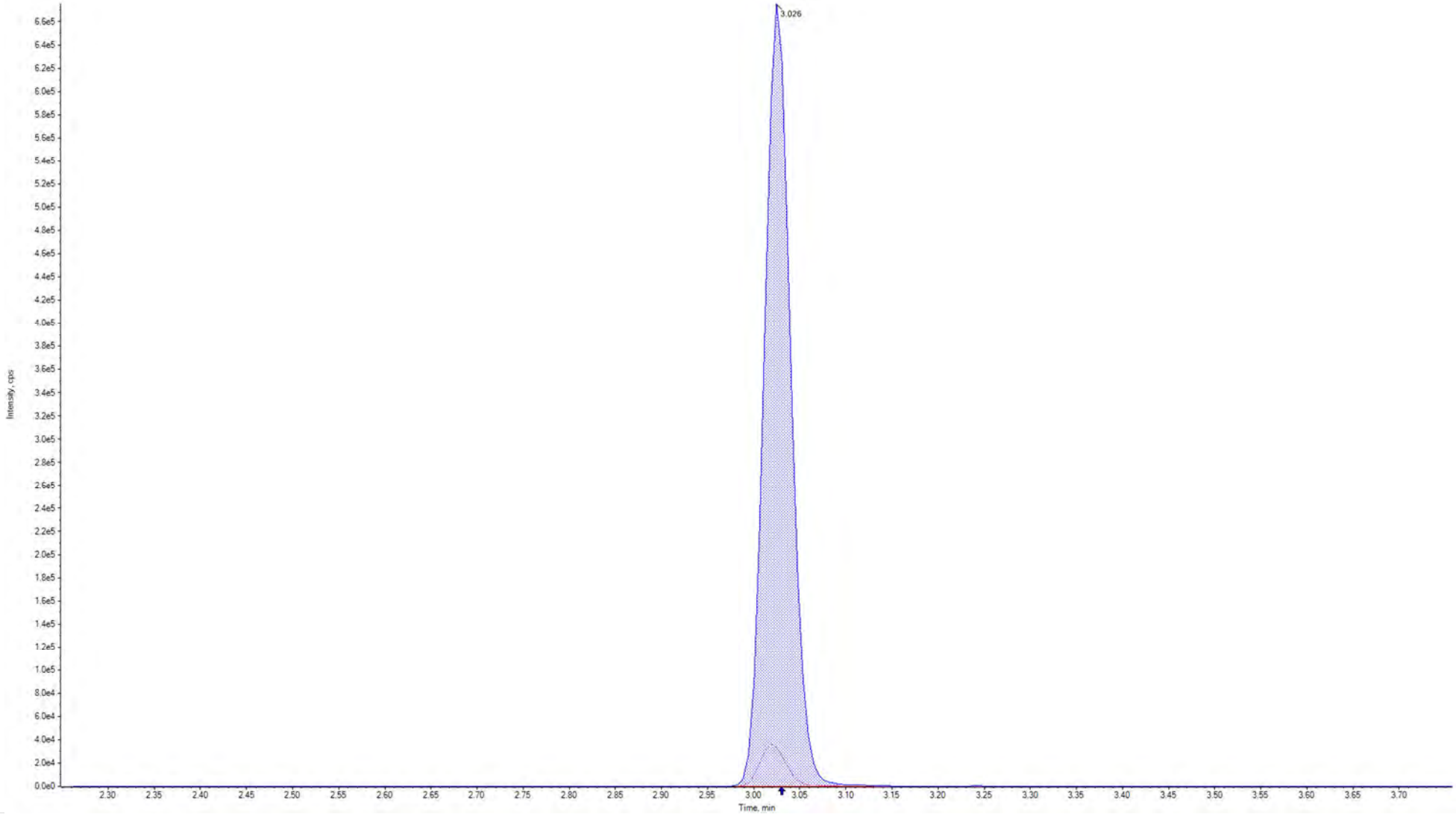
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

6:2FTS
Sample: IA1633STD-25 S/N:15325.2 Points Across peak:26



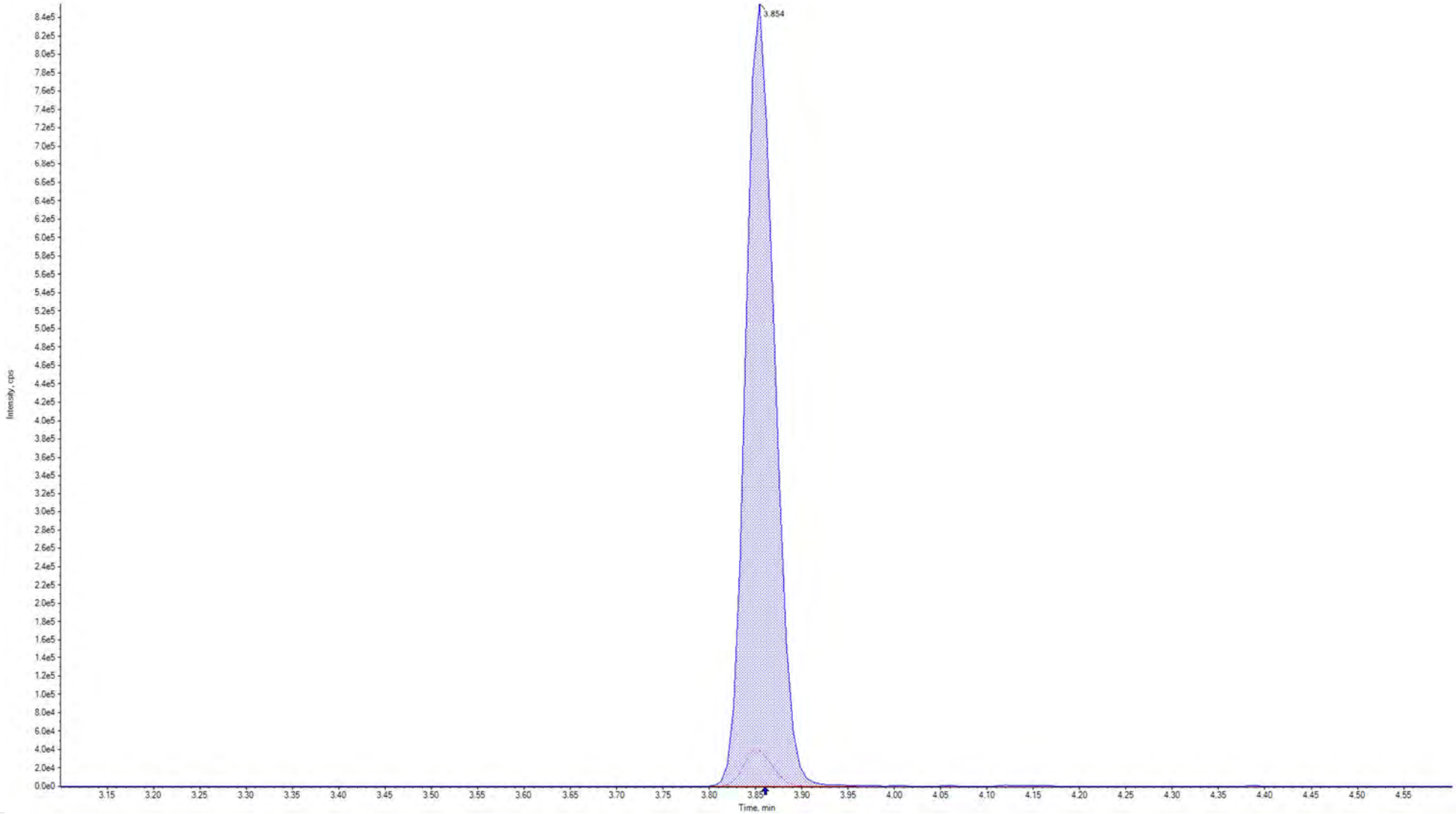
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_31.wiff2_6
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

6:2FTS_2
Sample: IA1633STD-25 S/N:8461.6 Points Across peak:30



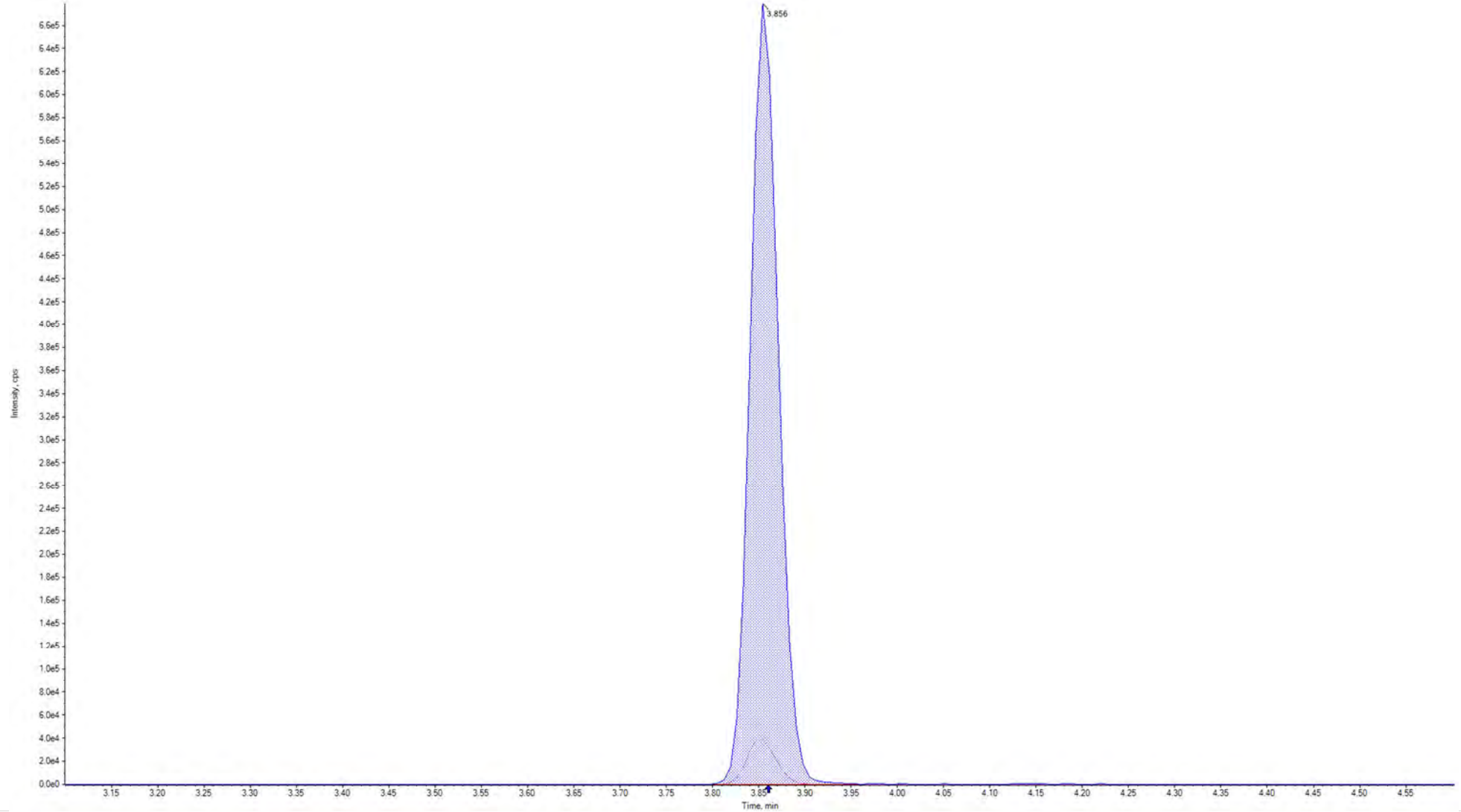
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_31.wiff2_6
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

8:2FTS
Sample: IA1633STD-25 S/N:6951.6 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\250228\SCI07_250228_31.wiff2_6
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

8:2FTS_2
Sample: IA1633STD-25 S/N:8503.1 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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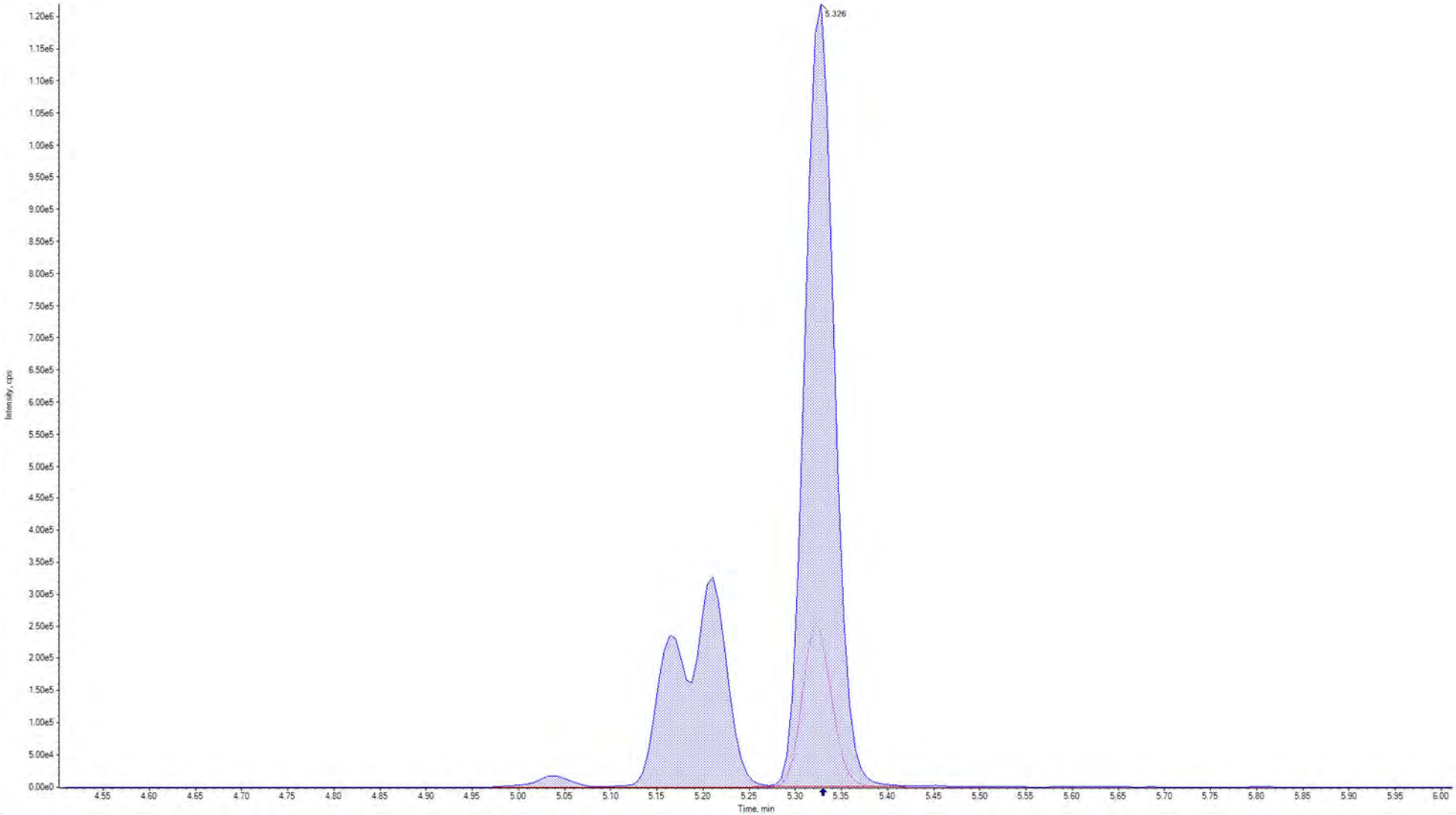
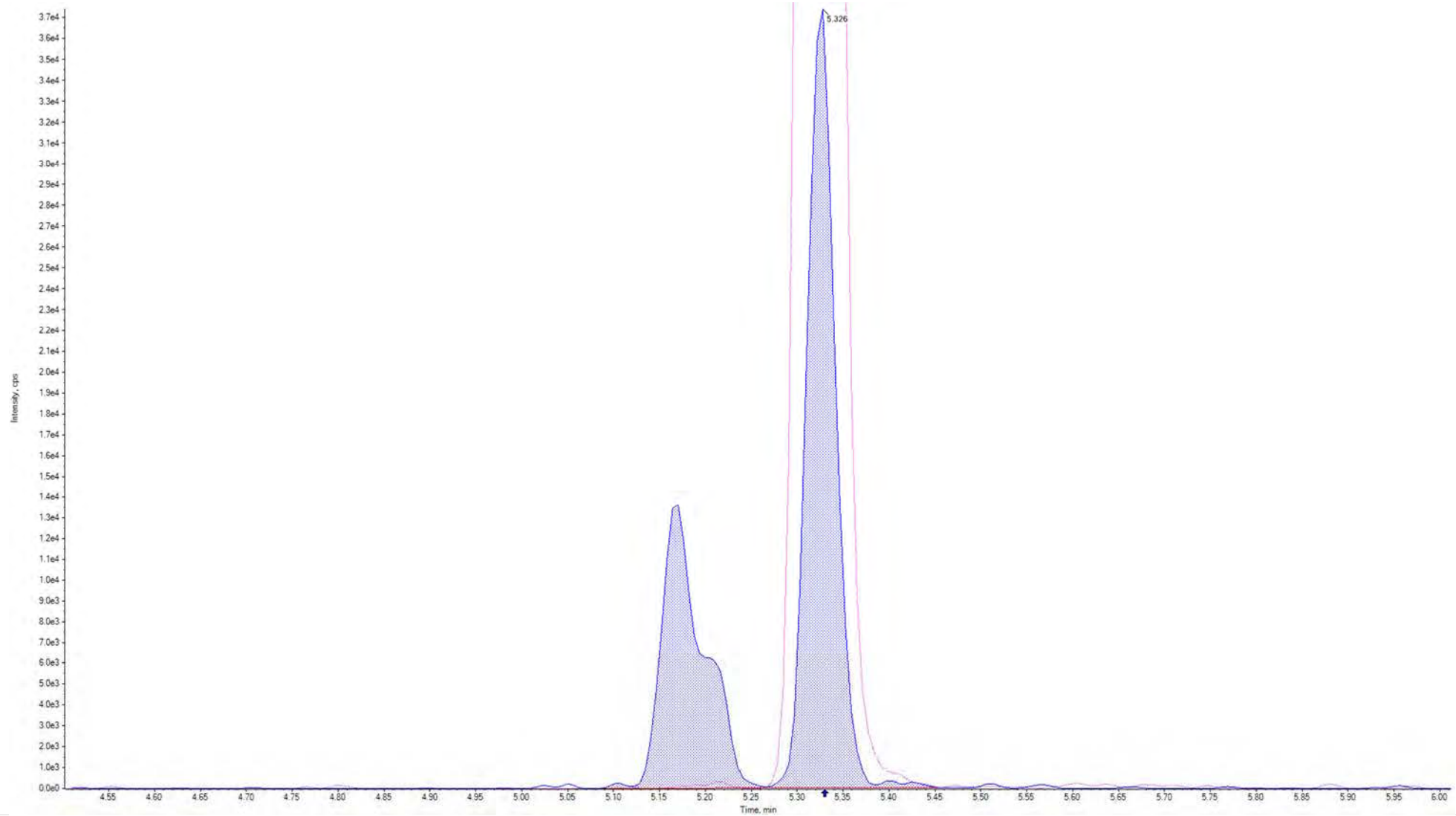
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFOSA
Sample: IA1633STD-25 S/N:771.0 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\250228\SCI07_250228_31.wiff2_6
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFOSA_2
Sample: IA1633STD-25 S/N:619.4 Points Across peak:61



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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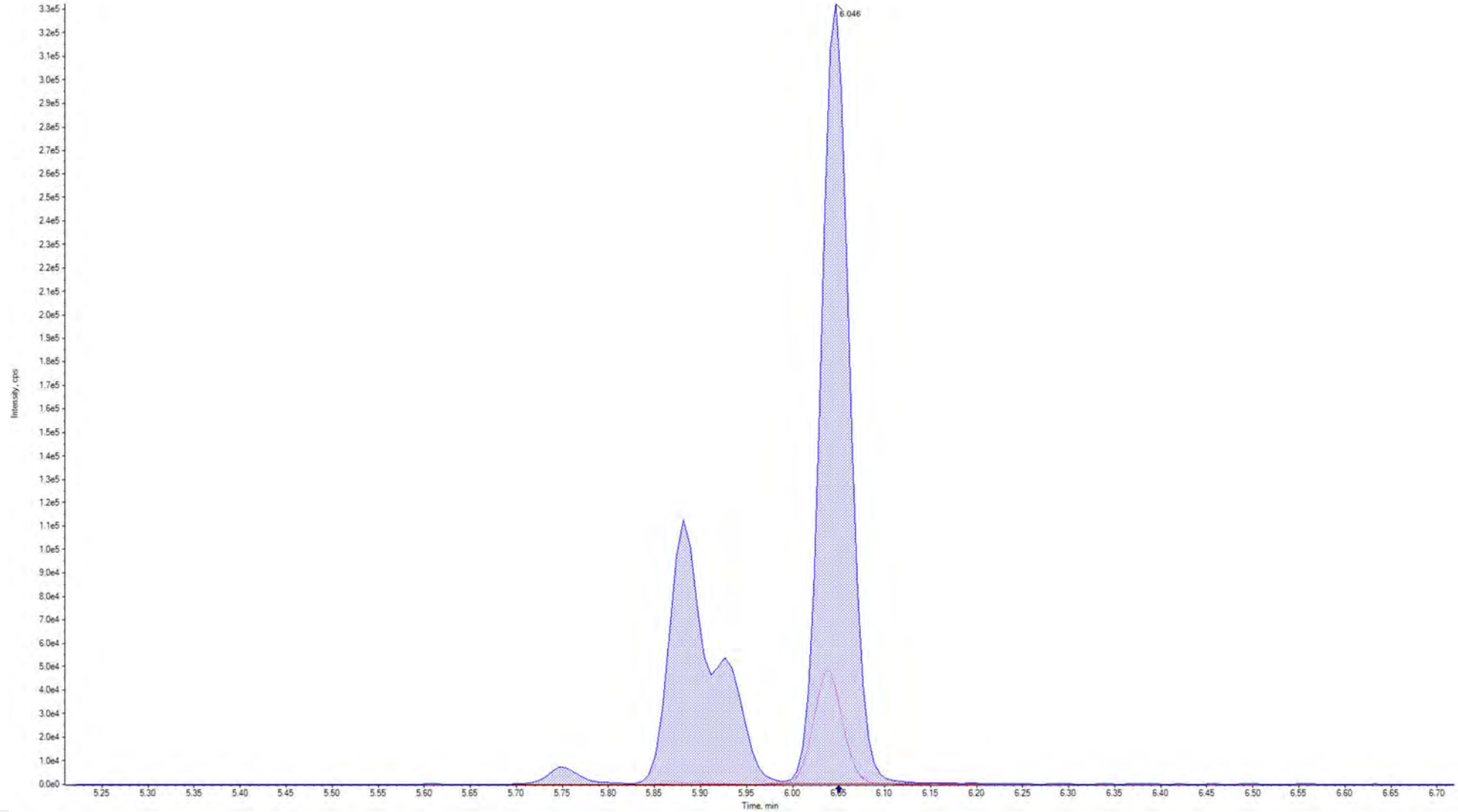
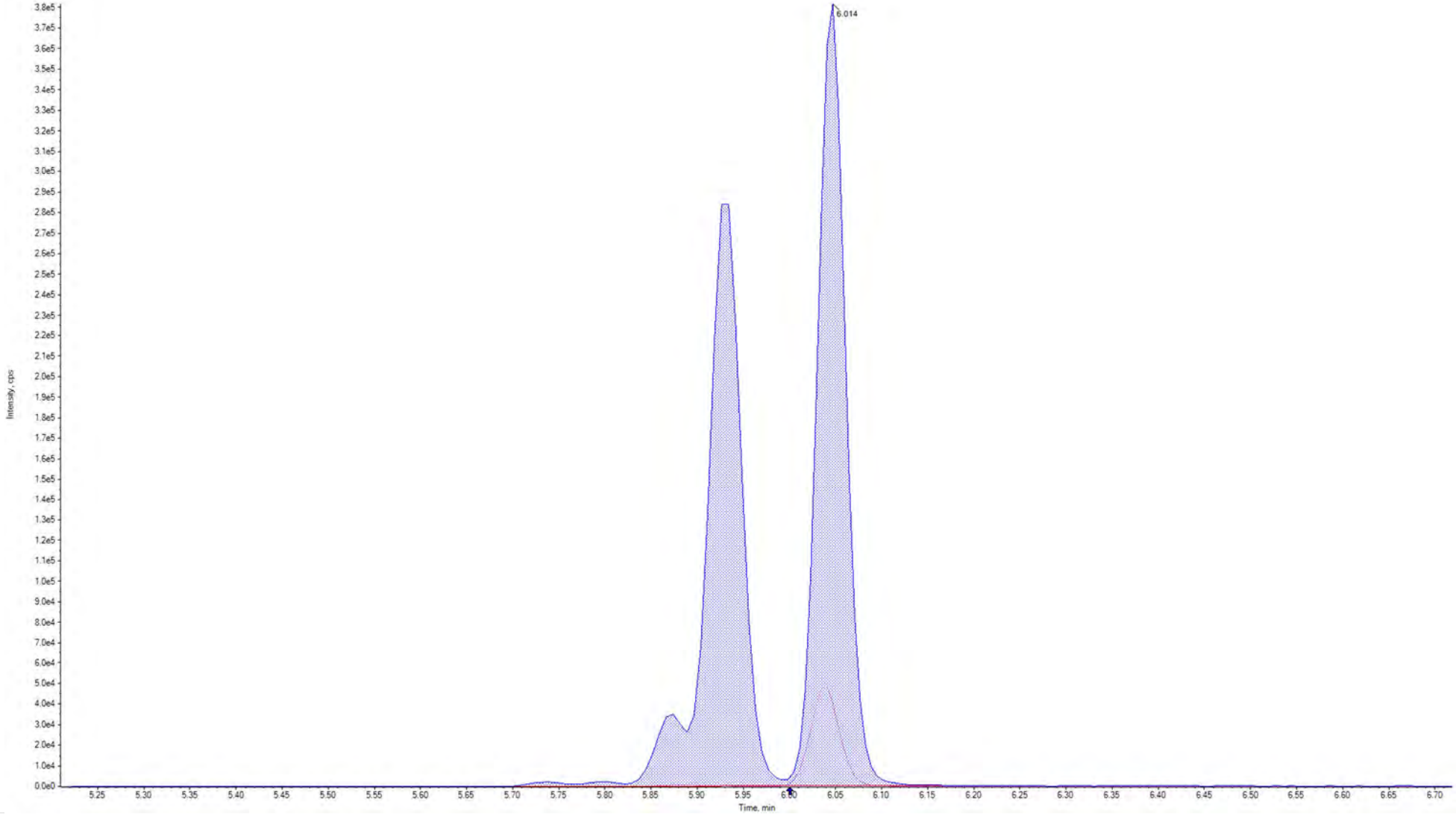
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

NMeFOSA
Sample: IA1633STD-25 S/N:1314.3 Points Across peak:83



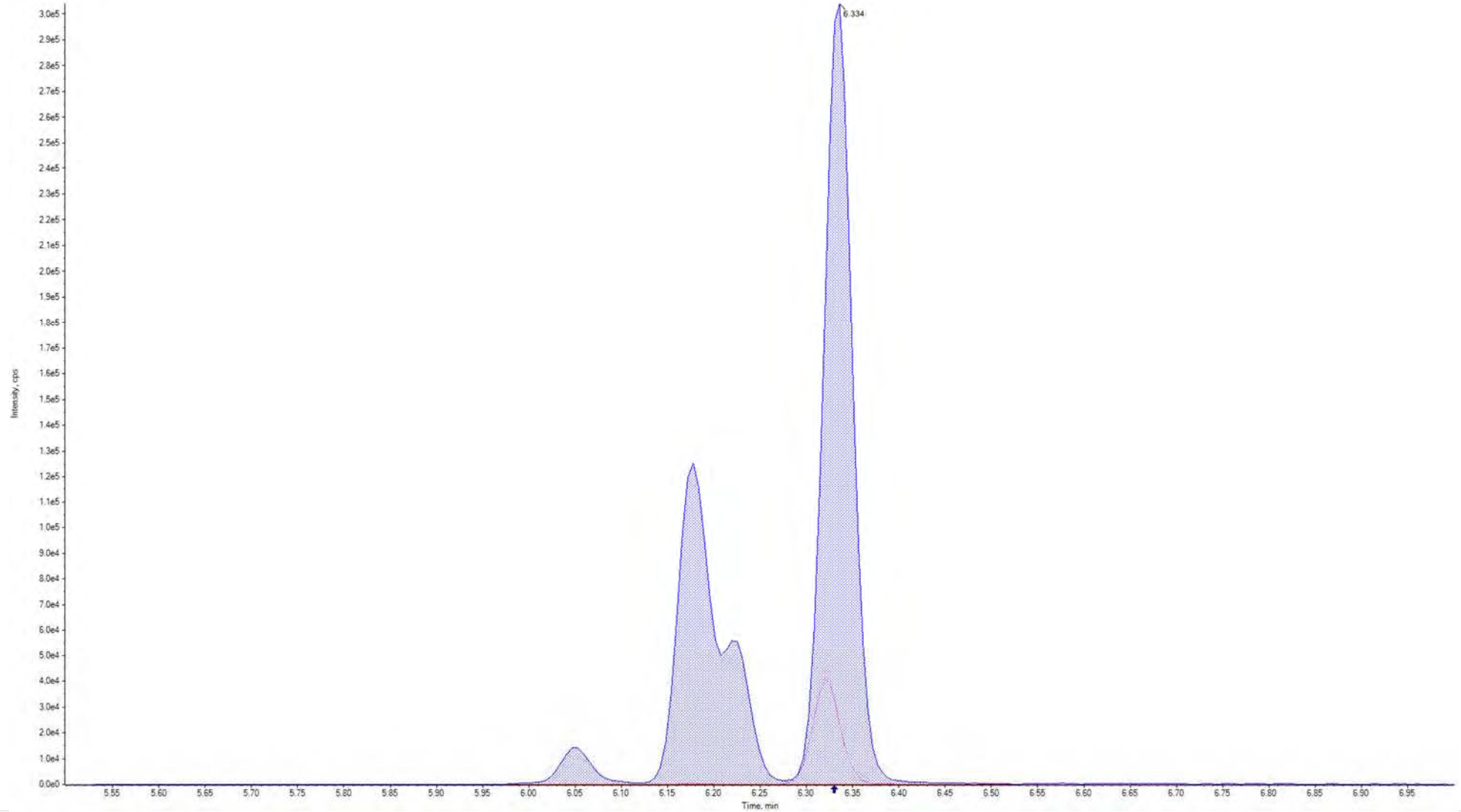
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_31.wiff2_6
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

NMeFOSA_2
Sample: IA1633STD-25 S/N:1468.7 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\250228\SCI07_250228_31.wiff2_6
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

NEtFOSA
Sample: IA1633STD-25 S/N:1523.3 Points Across peak:102



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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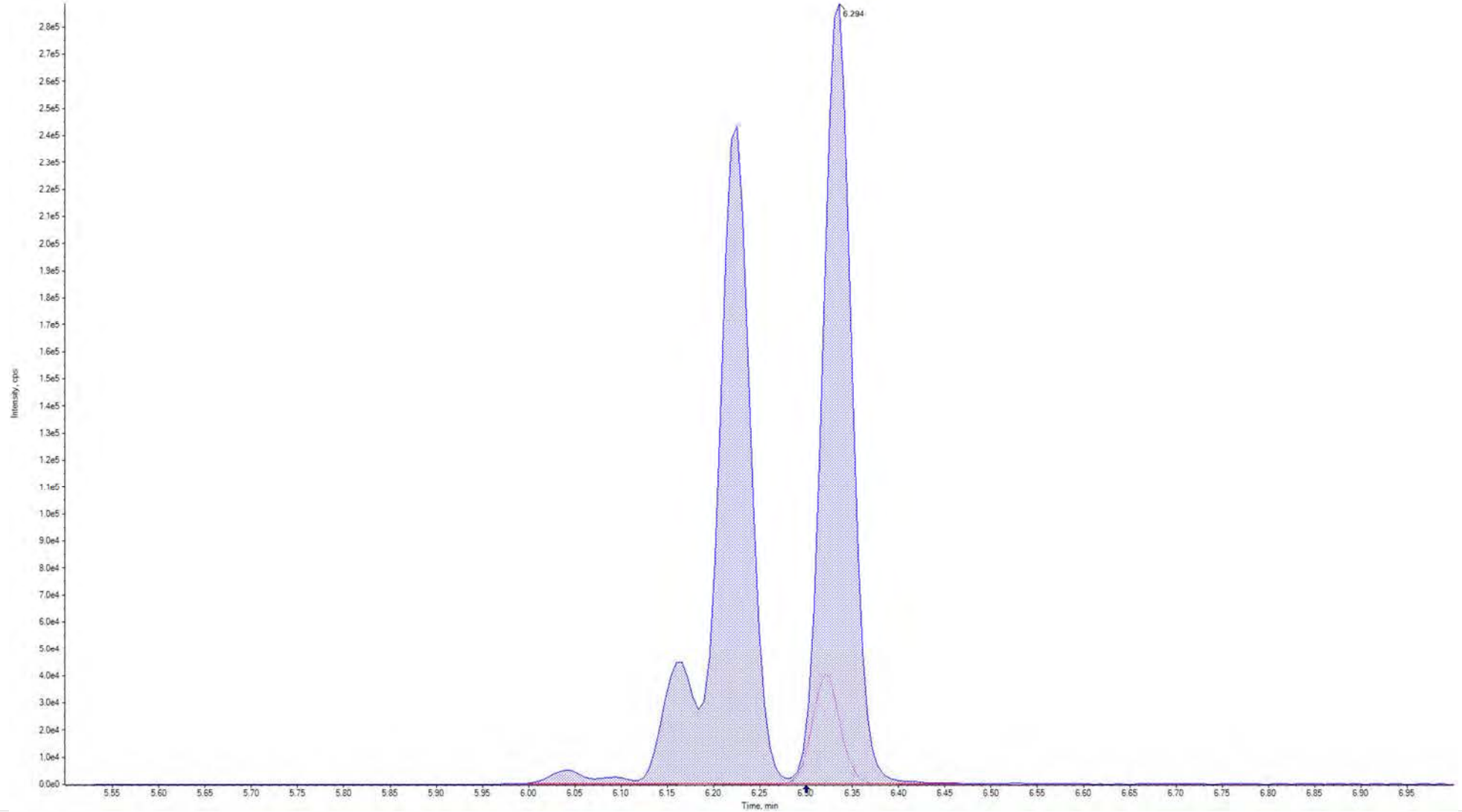
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

NEtFOSA_2
Sample: IA1633STD-25 S/N:1772.7 Points Across peak:94



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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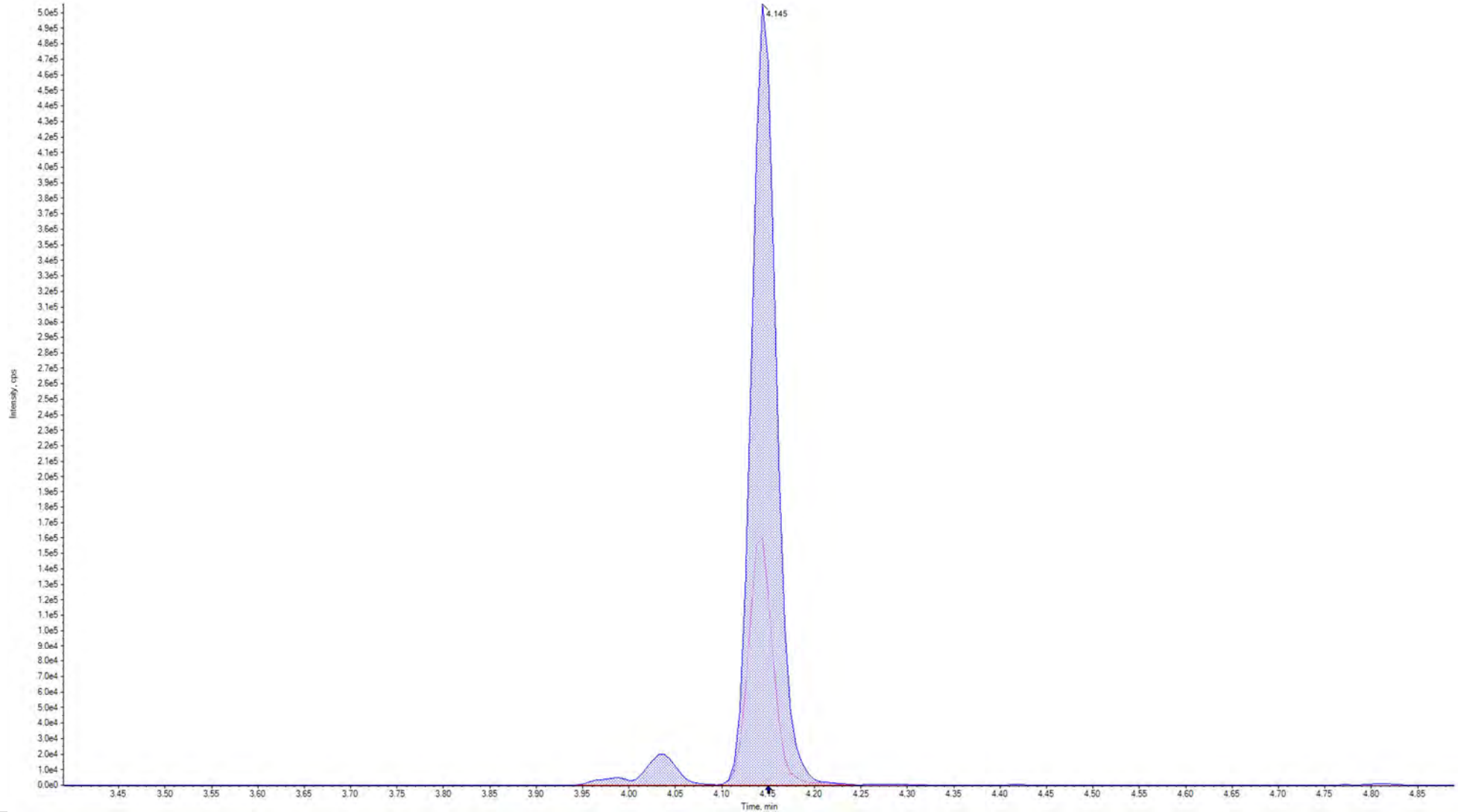
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

NMeFOSAA
Sample: IA1633STD-25 S/N:1881.8 Points Across peak:54



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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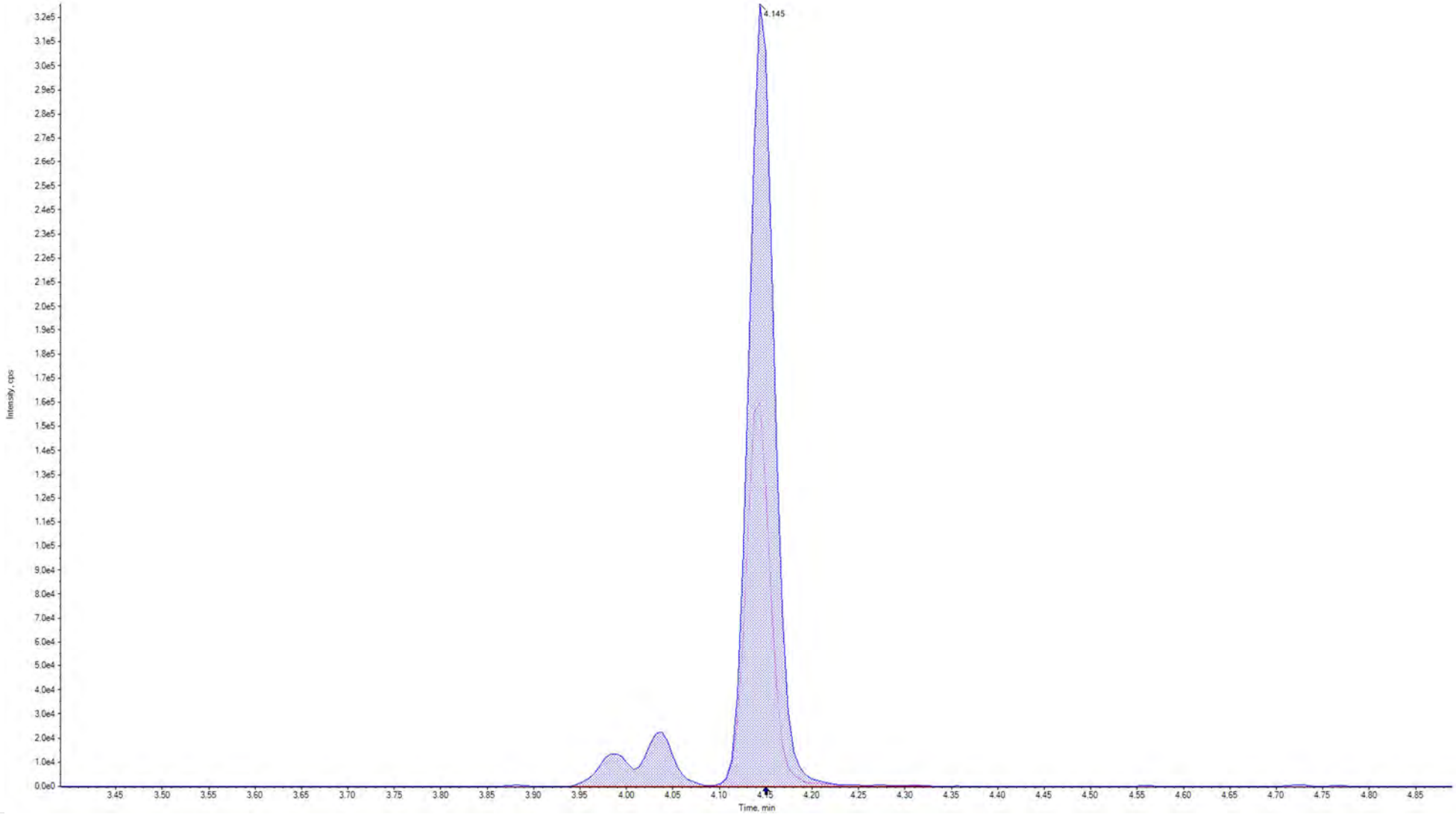
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

NMeFOSAA_2
Sample: IA1633STD-25 S/N:1758.5 Points Across peak:68



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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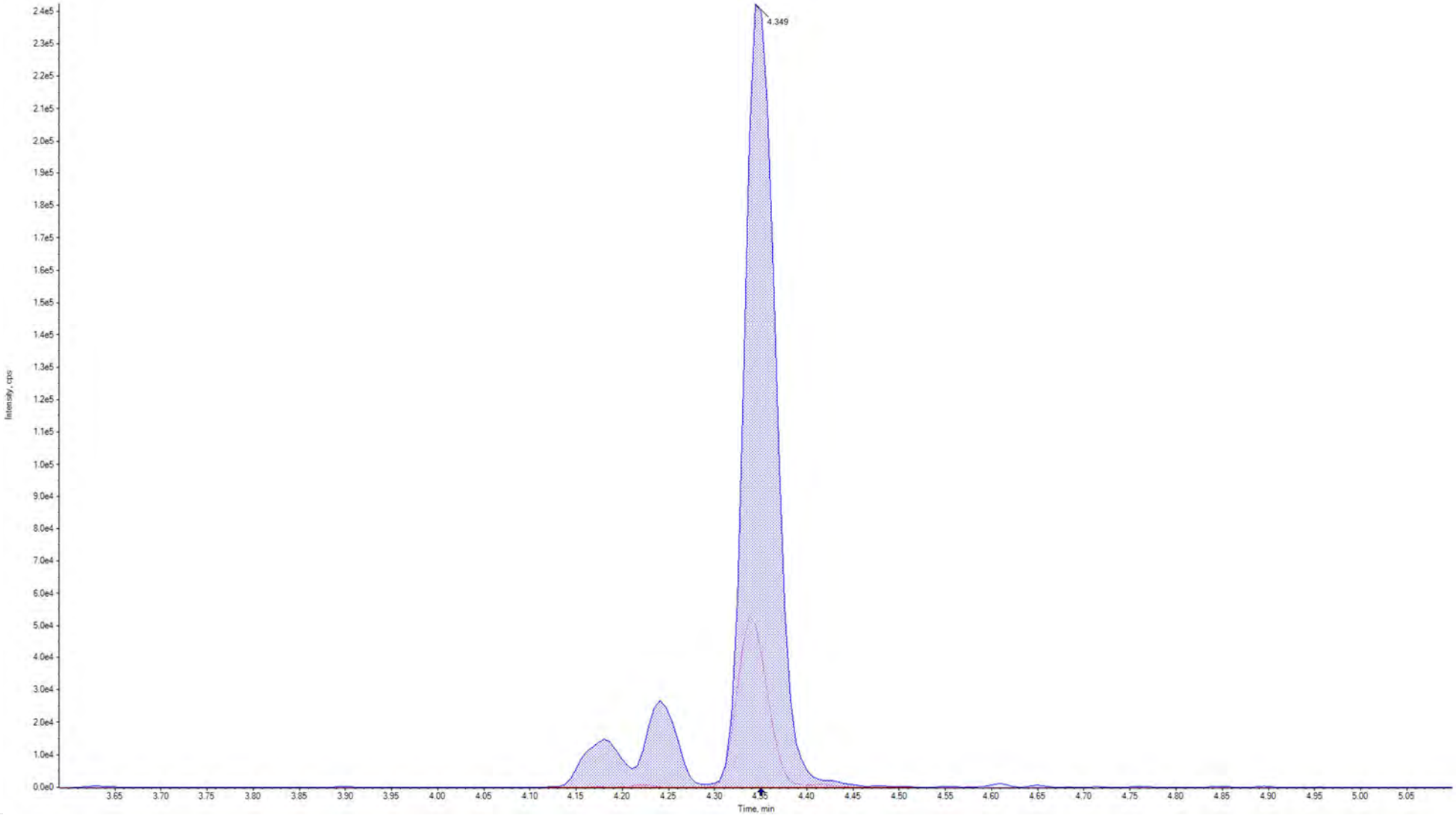
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

NEtFOSAA
Sample: IA1633STD-25 S/N:1150.8 Points Across peak:71



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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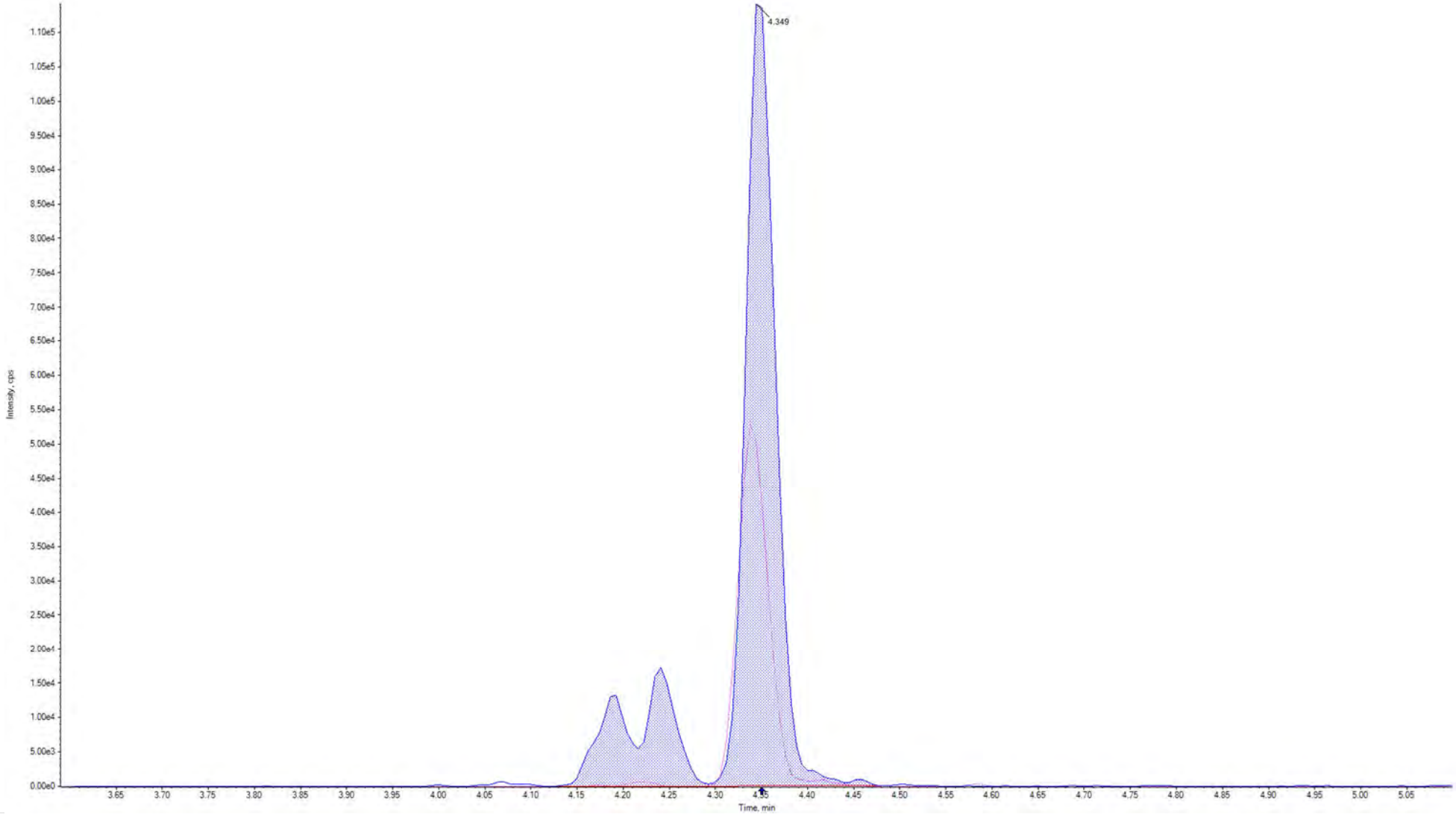
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

NEtFOSAA_2
Sample: IA1633STD-25 S/N:952.7 Points Across peak:60



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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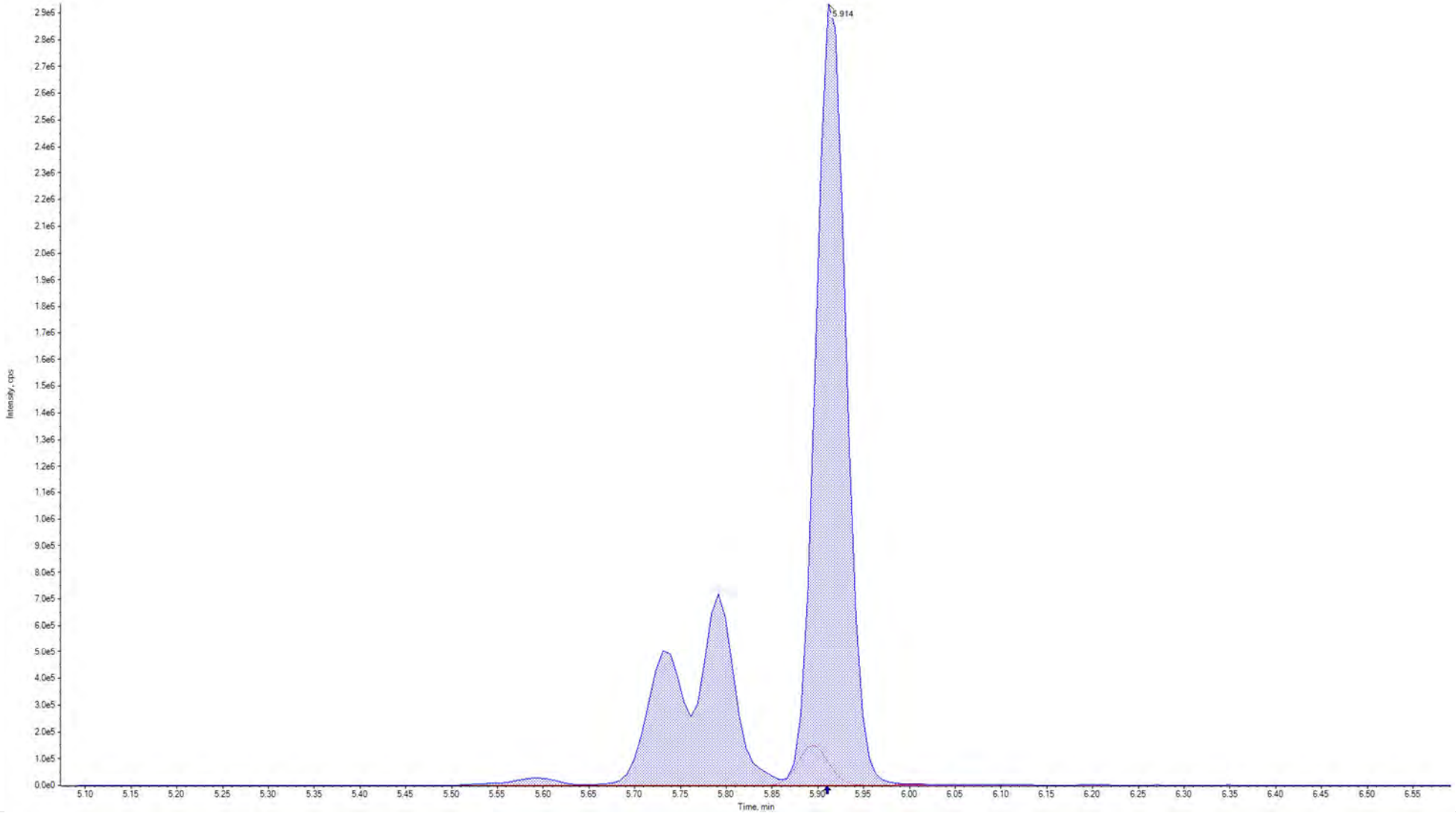
Generated: 2/28/2025 12:43:00 PM

NMeFOSE
Sample: IA1633STD-25 S/N:1264.3 Points Across peak:85



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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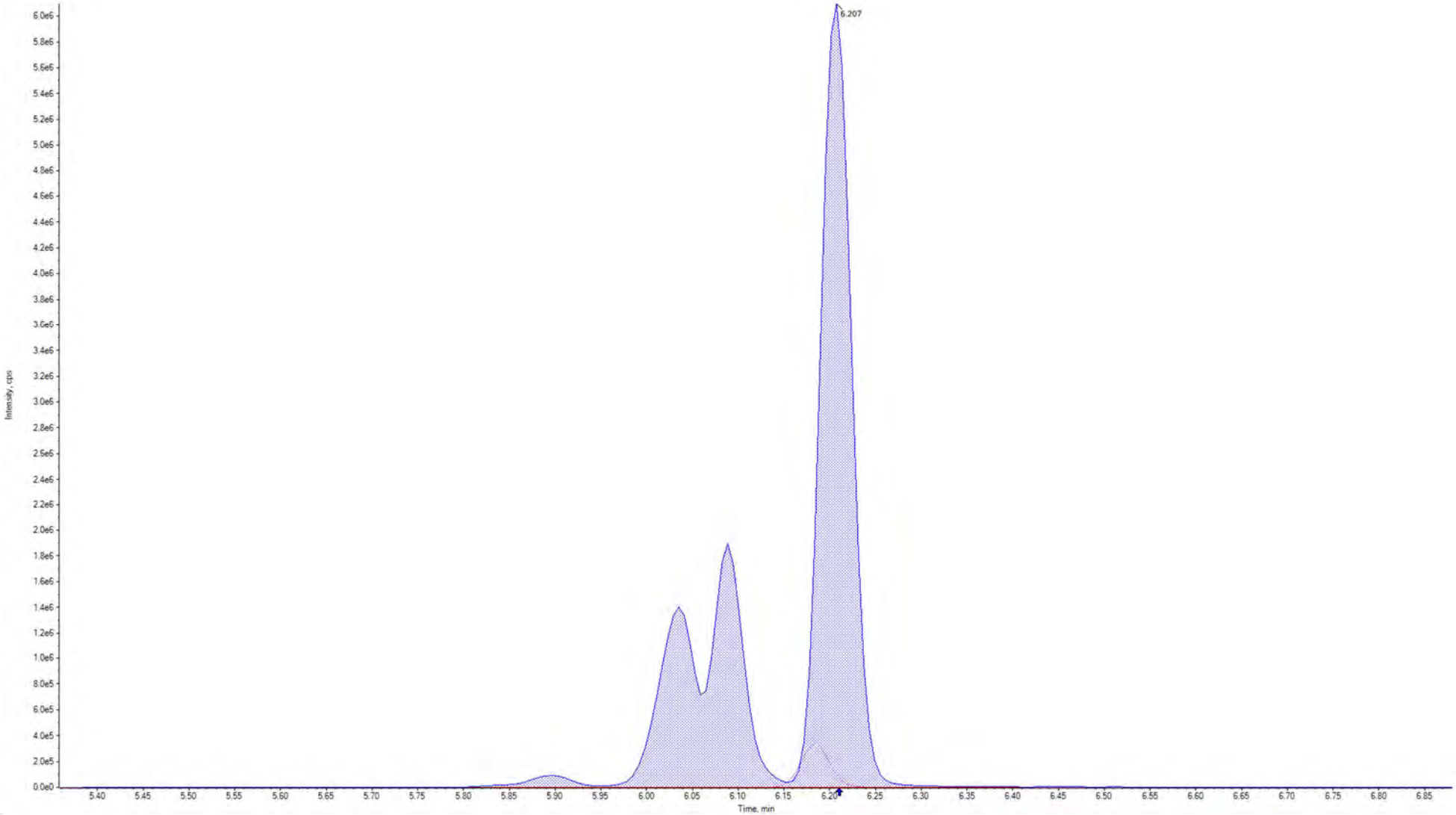
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

NEtFOSE
Sample: IA1633STD-25 S/N:1717.7 Points Across peak:106



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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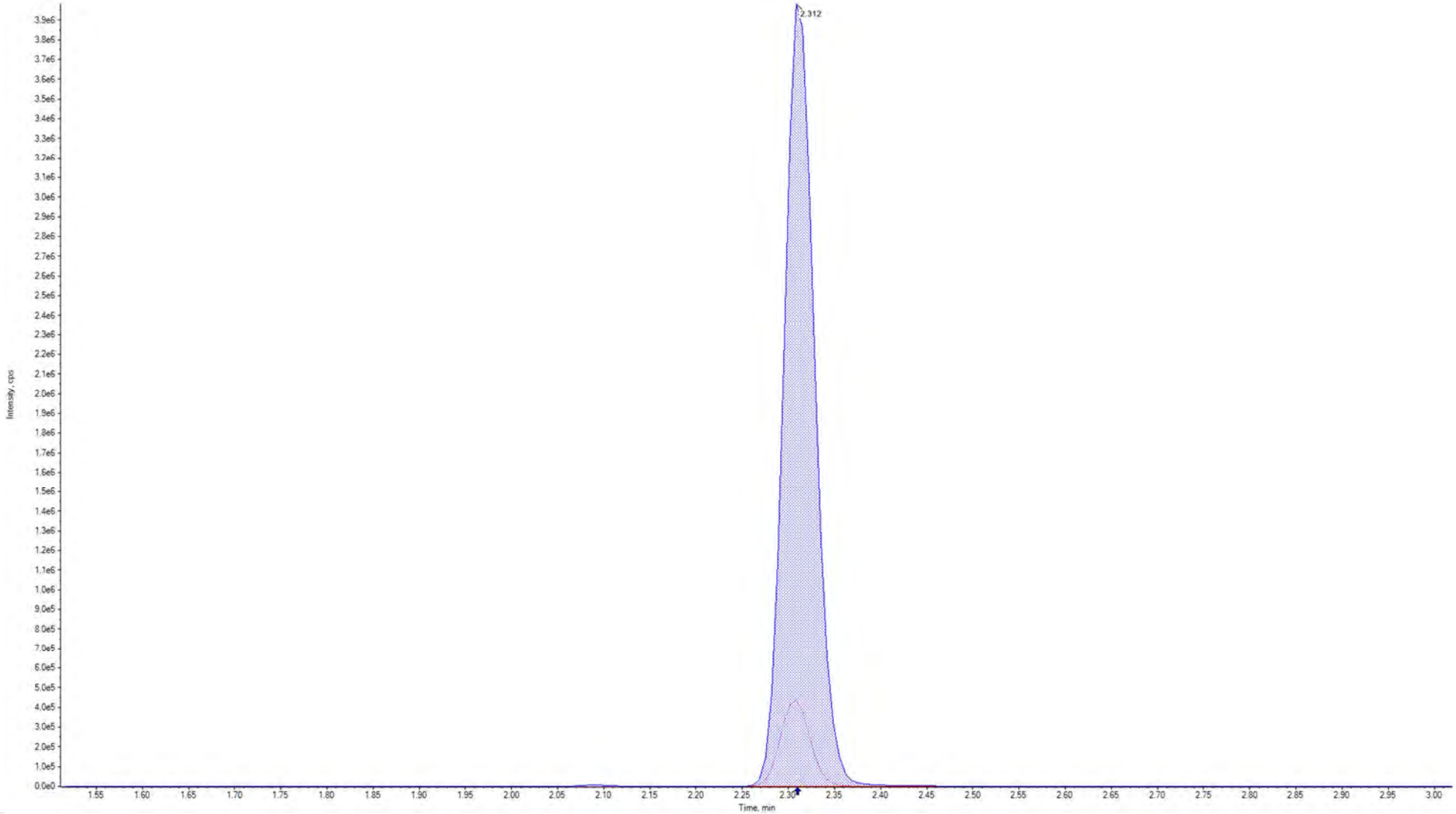
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

HFPO-DA
Sample: IA1633STD-25 S/N:69854.7 Points Across peak:41



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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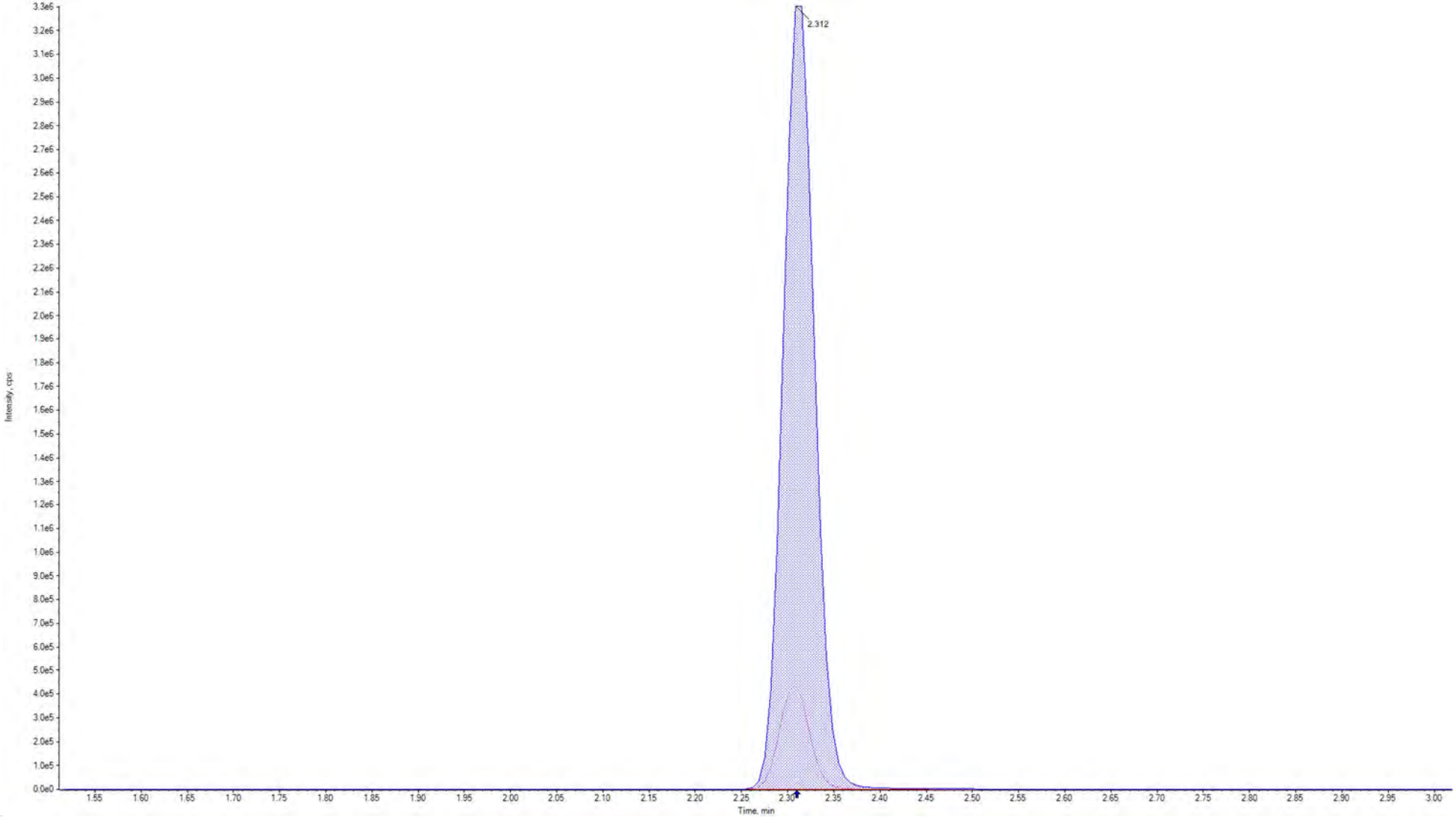
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

HFPO-DA_2
Sample: IA1633STD-25 S/N:57938.9 Points Across peak:34



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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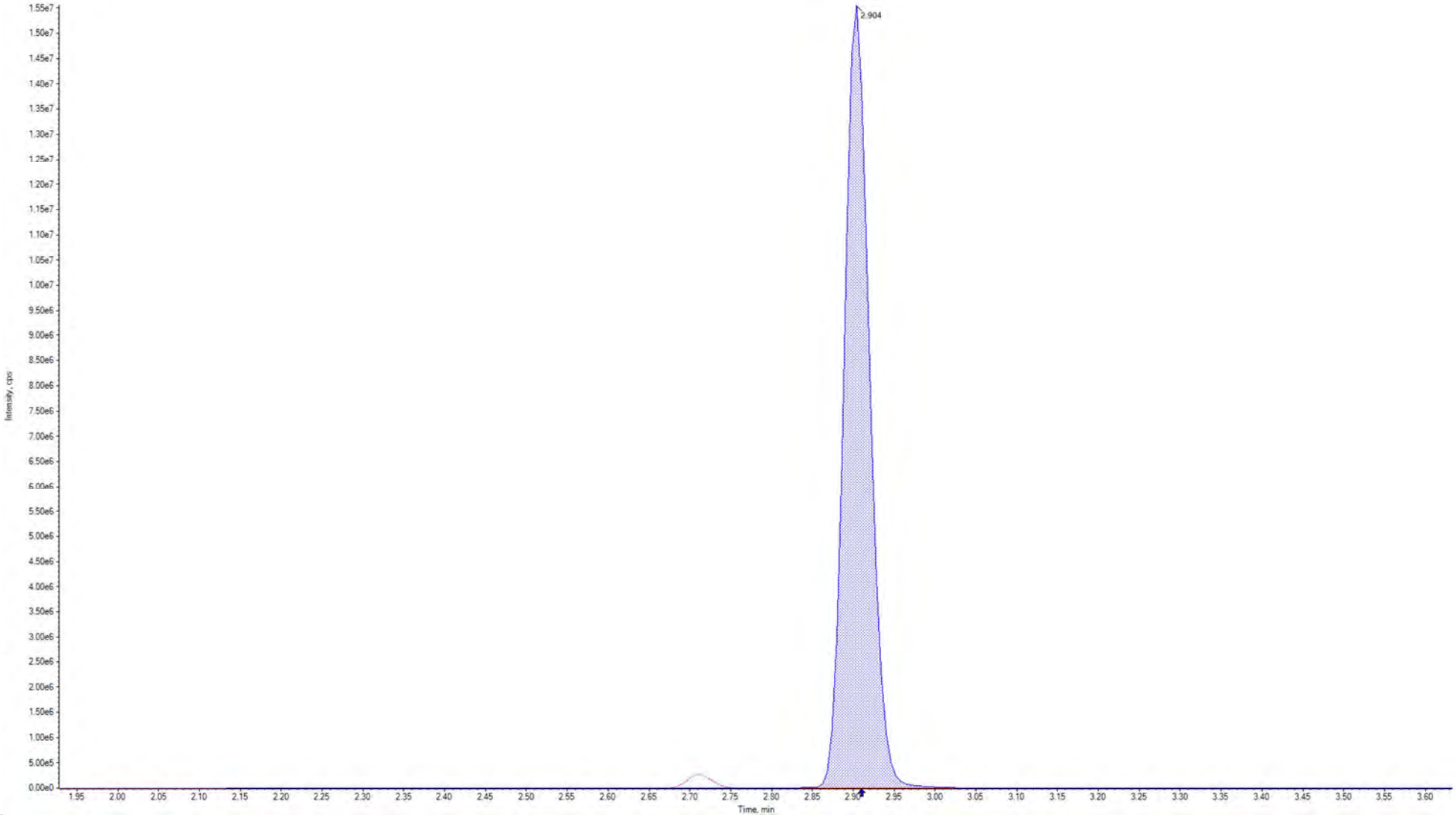
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

ADONA
Sample: IA1633STD-25 S/N:100343.8 Points Across peak:48



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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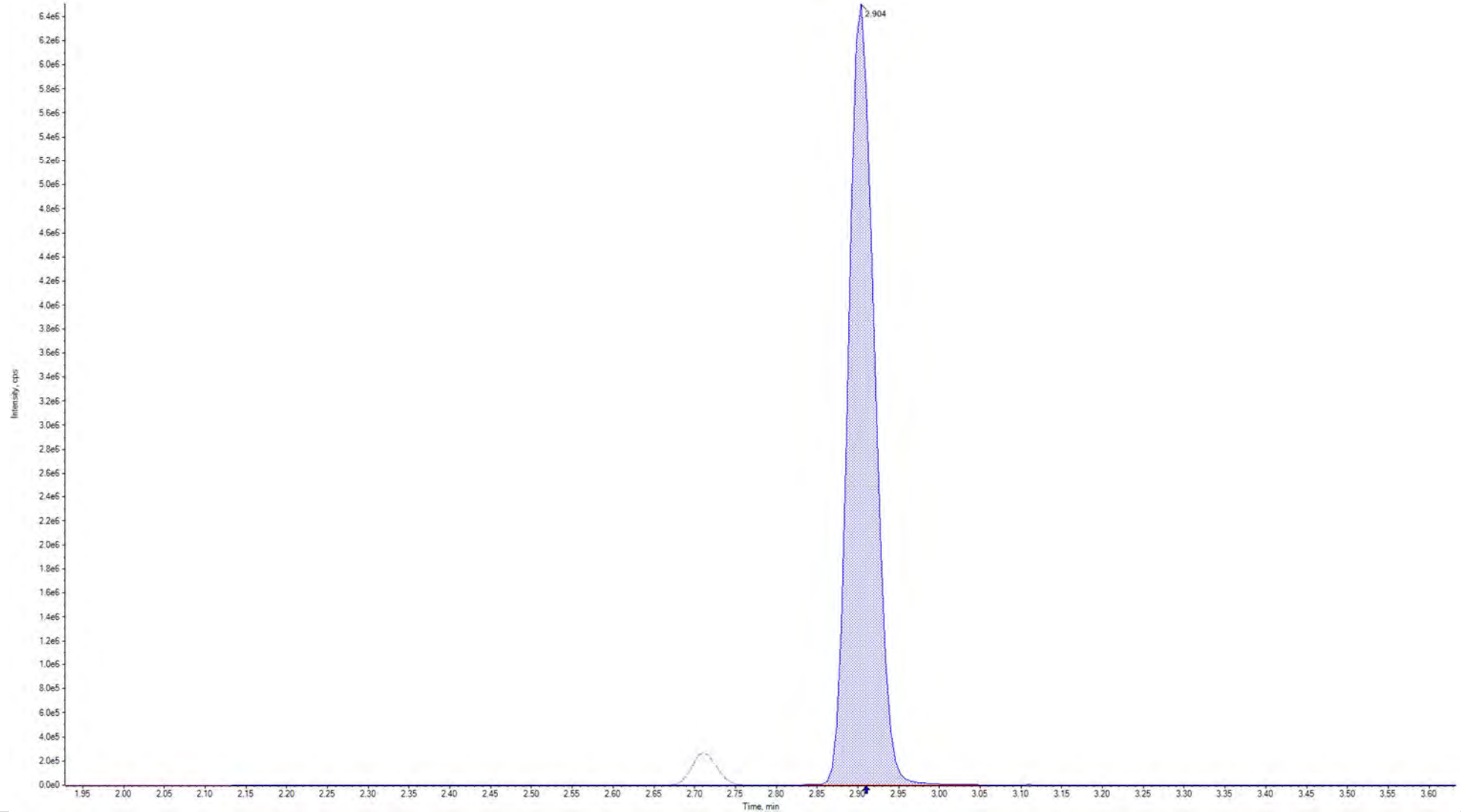
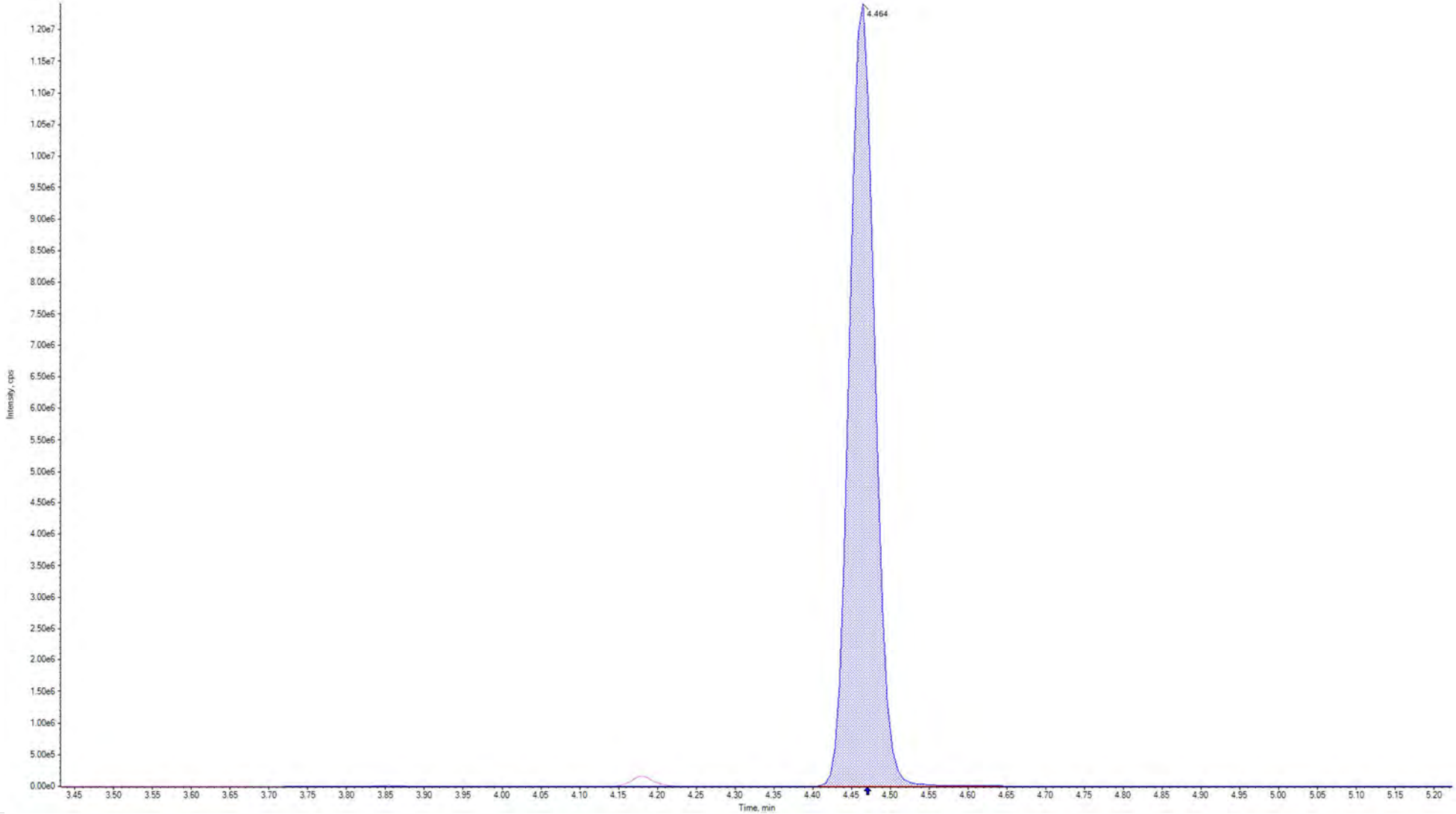
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

ADONA_2
Sample: IA1633STD-25 S/N:81491.7 Points Across peak:46



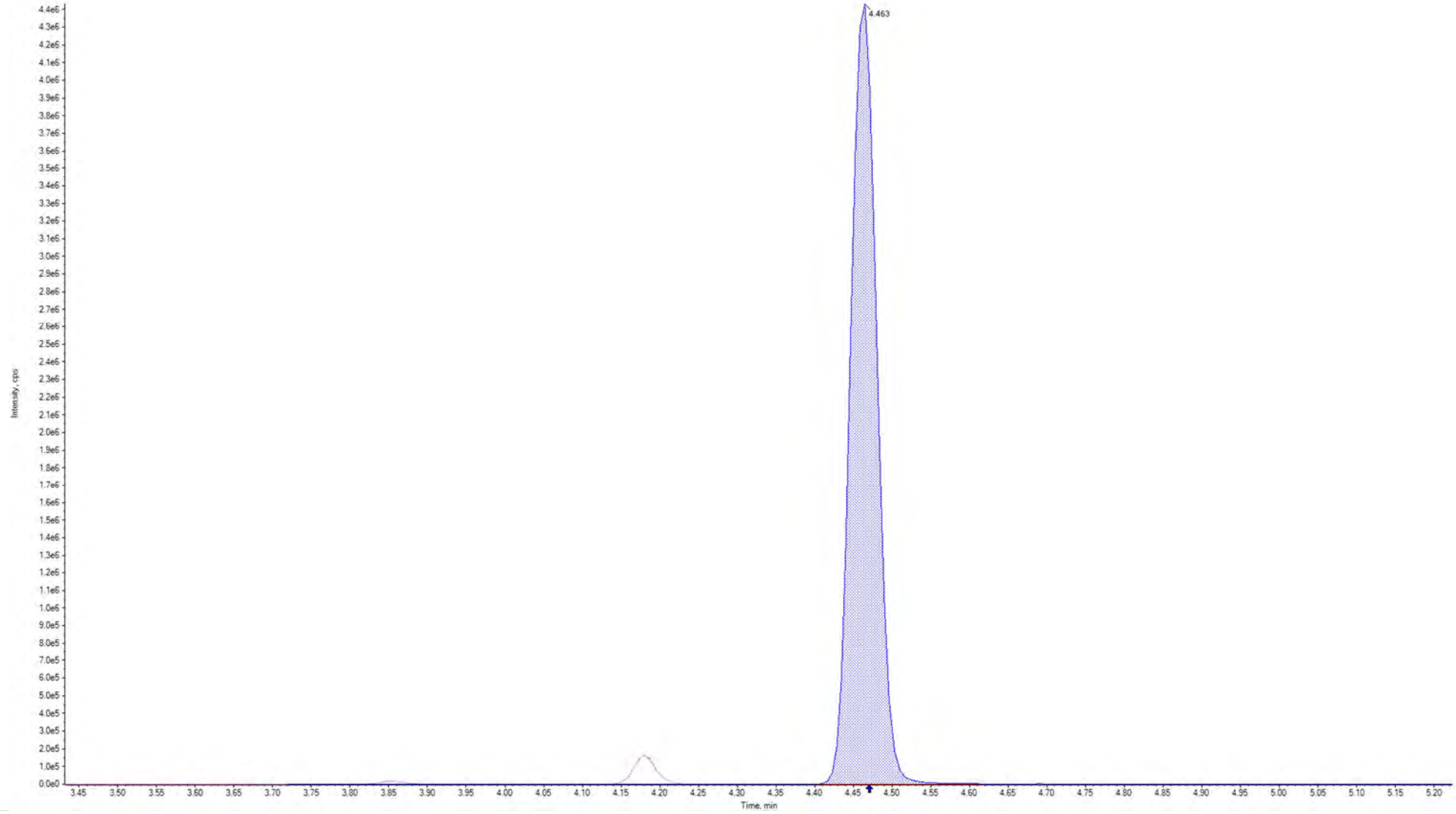
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_31.wiff2_6
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

9Cl-PF3ONS
Sample: IA1633STD-25 S/N:12727.8 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\250228\SCI07_250228_31.wiff2_6
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

9Cl-PF3ONS_2
Sample: IA1633STD-25 S/N:10486.1 Points Across peak:42



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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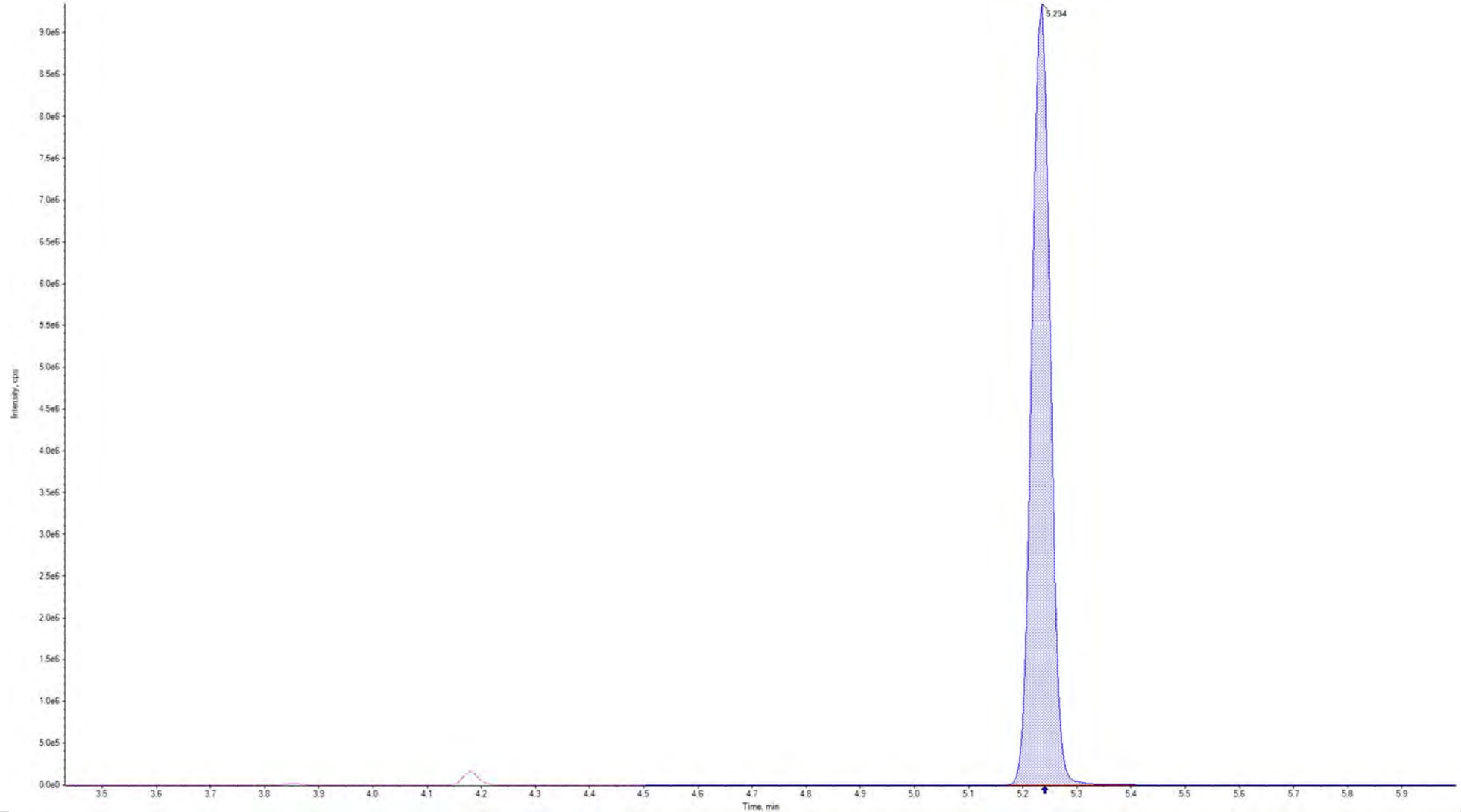
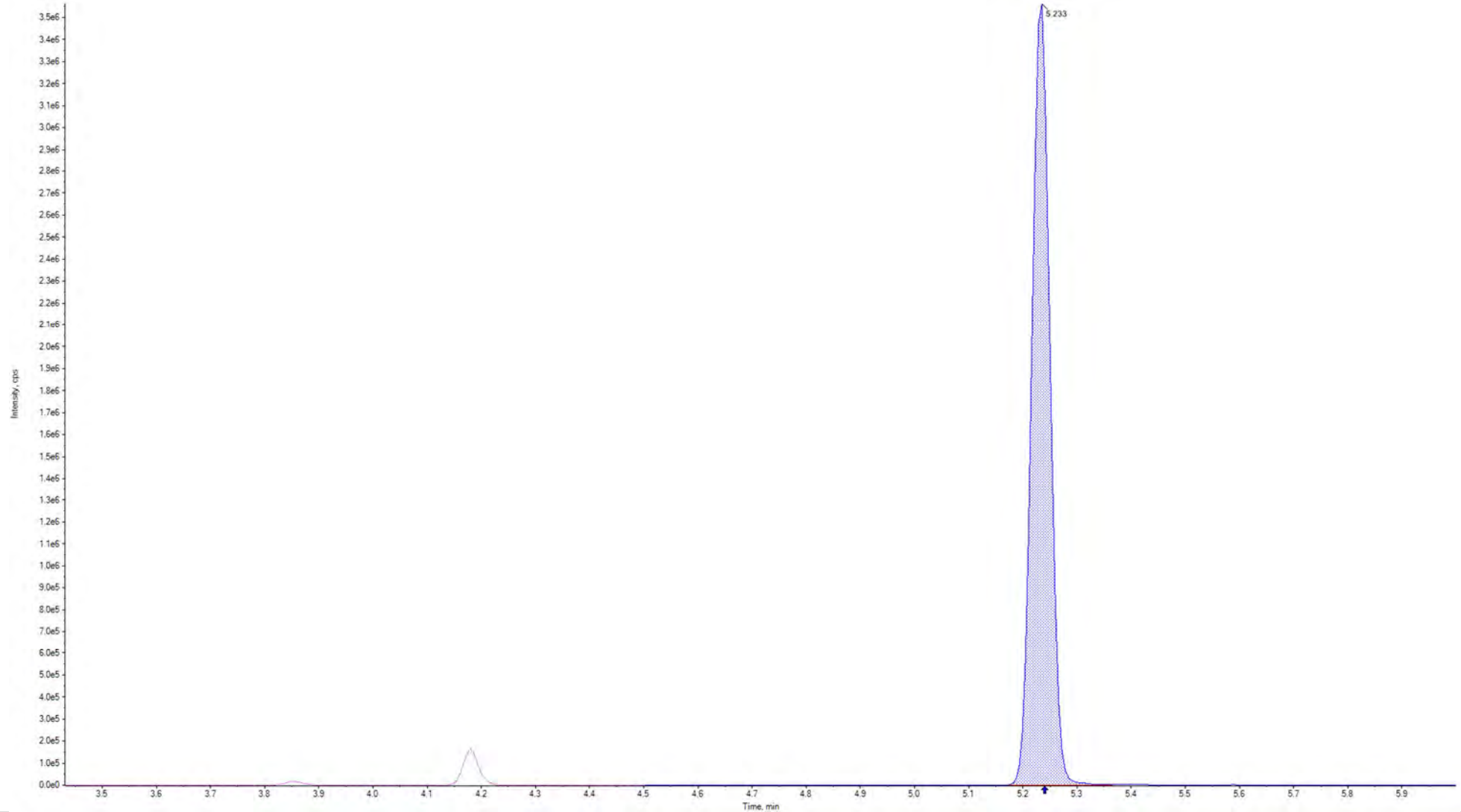
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

11Cl-PF3OUdS
Sample: IA1633STD-25 S/N:10222.3 Points Across peak:45



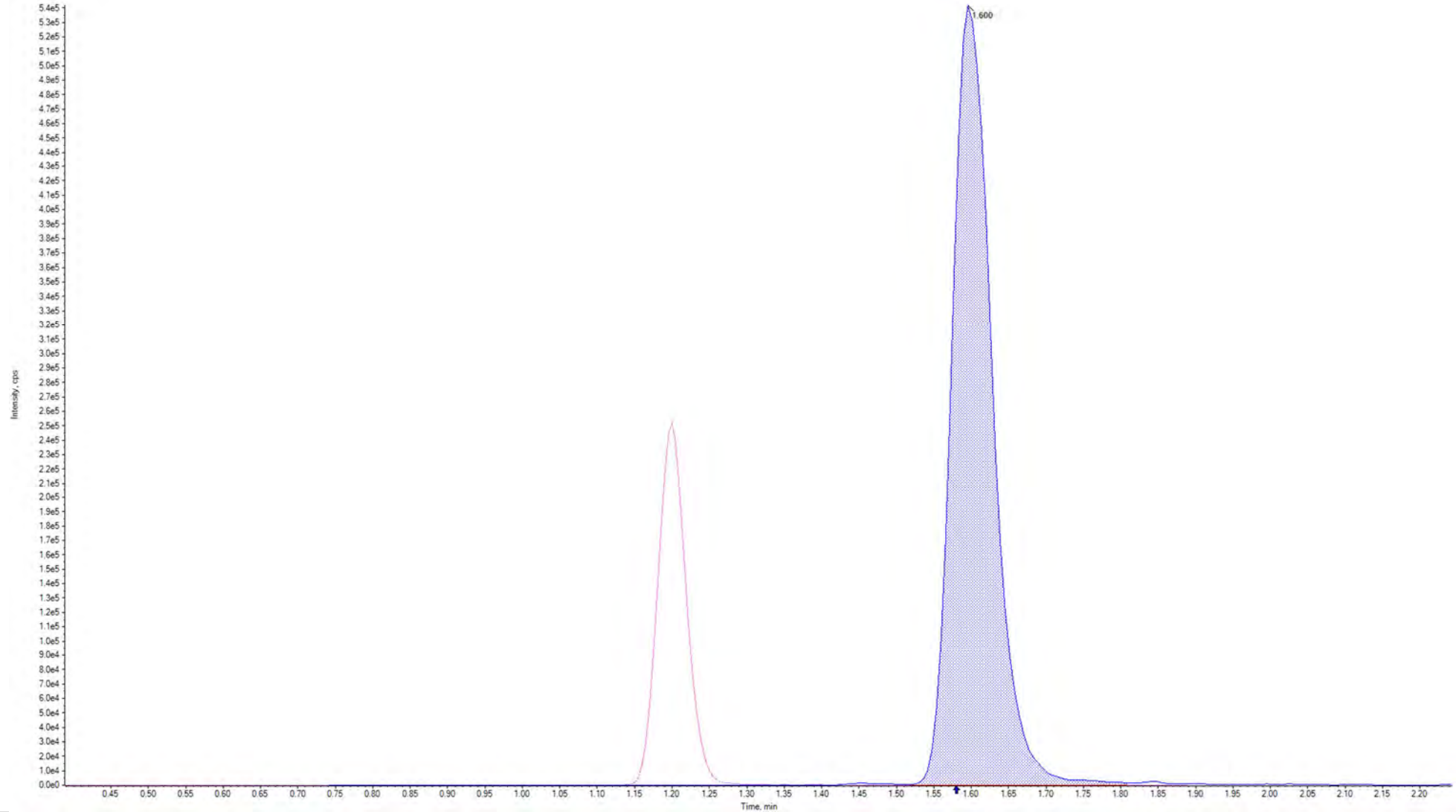
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_31.wiff2_6
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

11Cl-PF3OUdS_2
Sample: IA1633STD-25 S/N:9019.8 Points Across peak:35



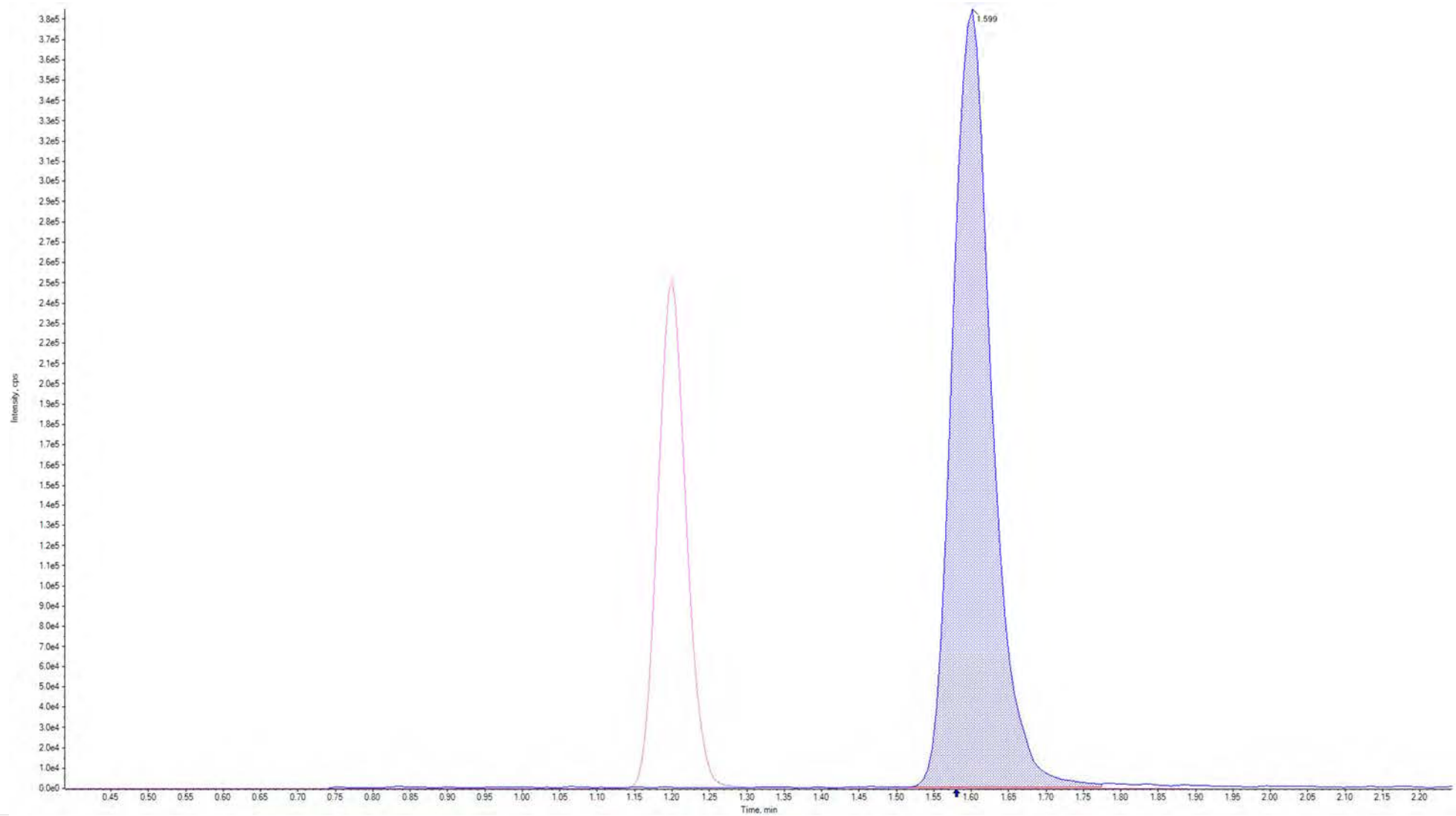
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_31.wiff2_6
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

3:3FTCA
Sample: IA1633STD-25 S/N:4654.3 Points Across peak:47



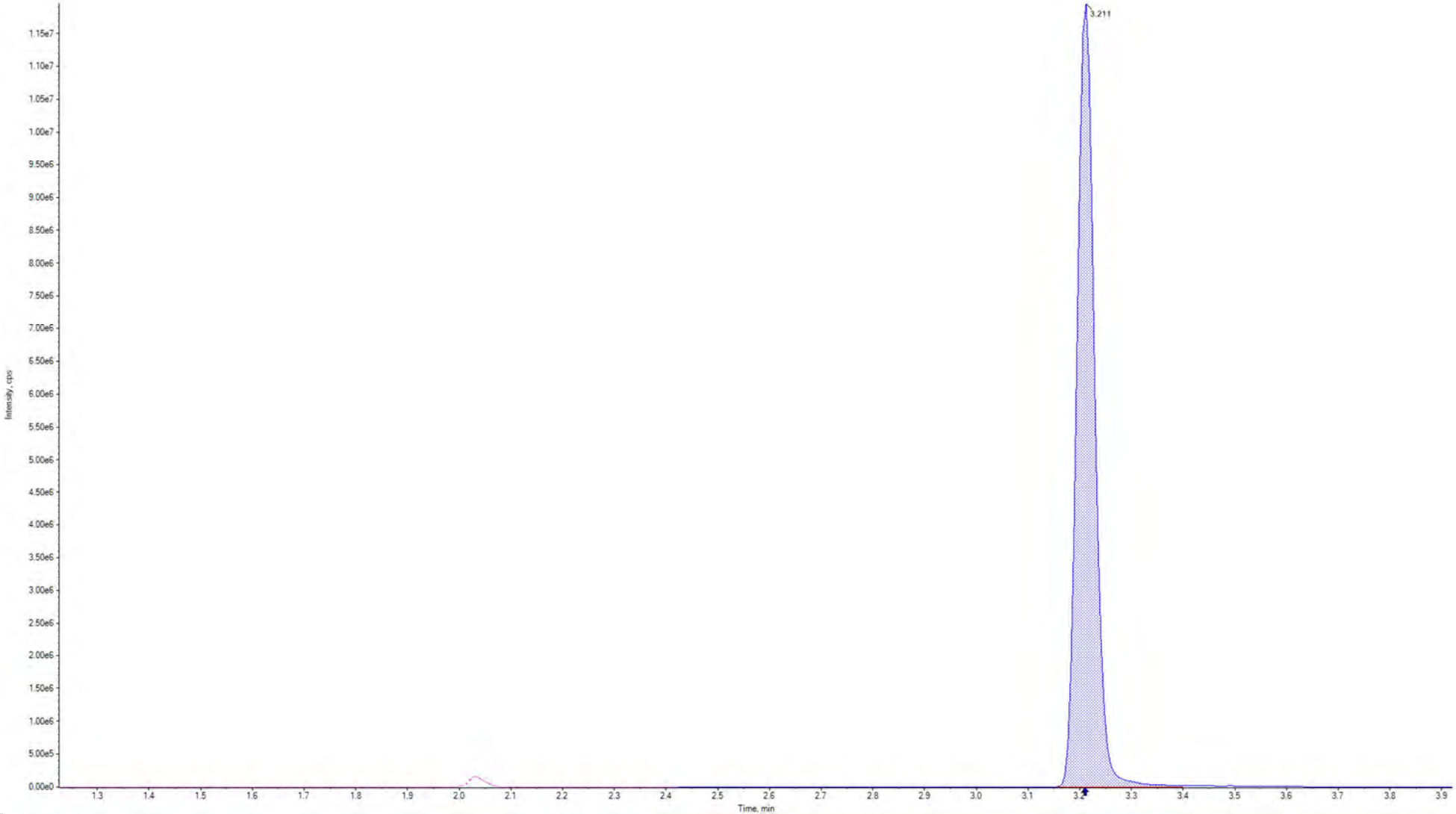
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_31.wiff2_6
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

3:3FTCA_2
Sample: IA1633STD-25 S/N:3409.1 Points Across peak:43



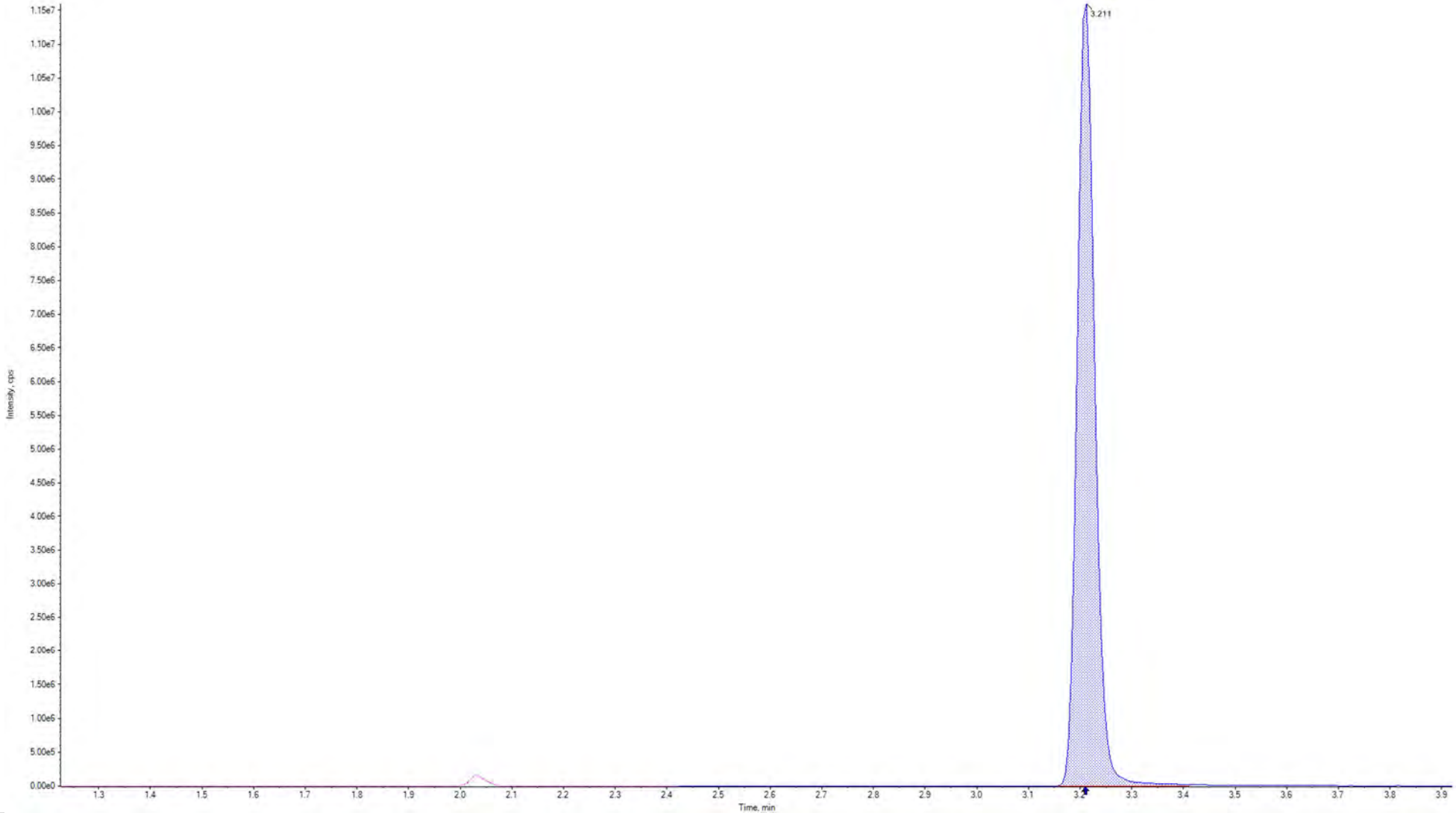
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_31.wiff2_6
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

5:3FTCA
Sample: IA1633STD-25 S/N:13051.6 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\250228\SCI07_250228_31.wiff2_6
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

5:3FTCA_2
Sample: IA1633STD-25 S/N:145275.7 Points Across peak:51



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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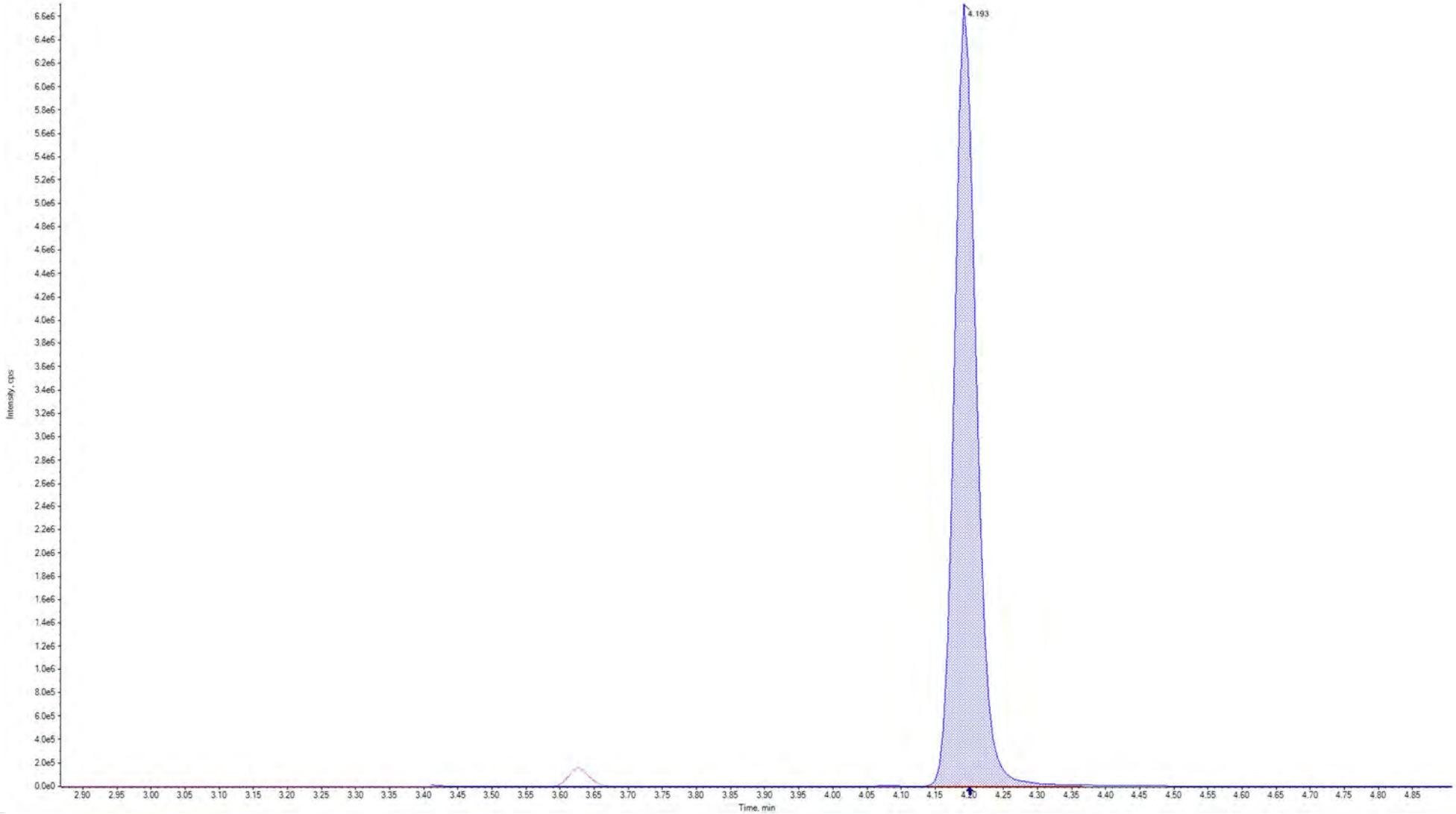
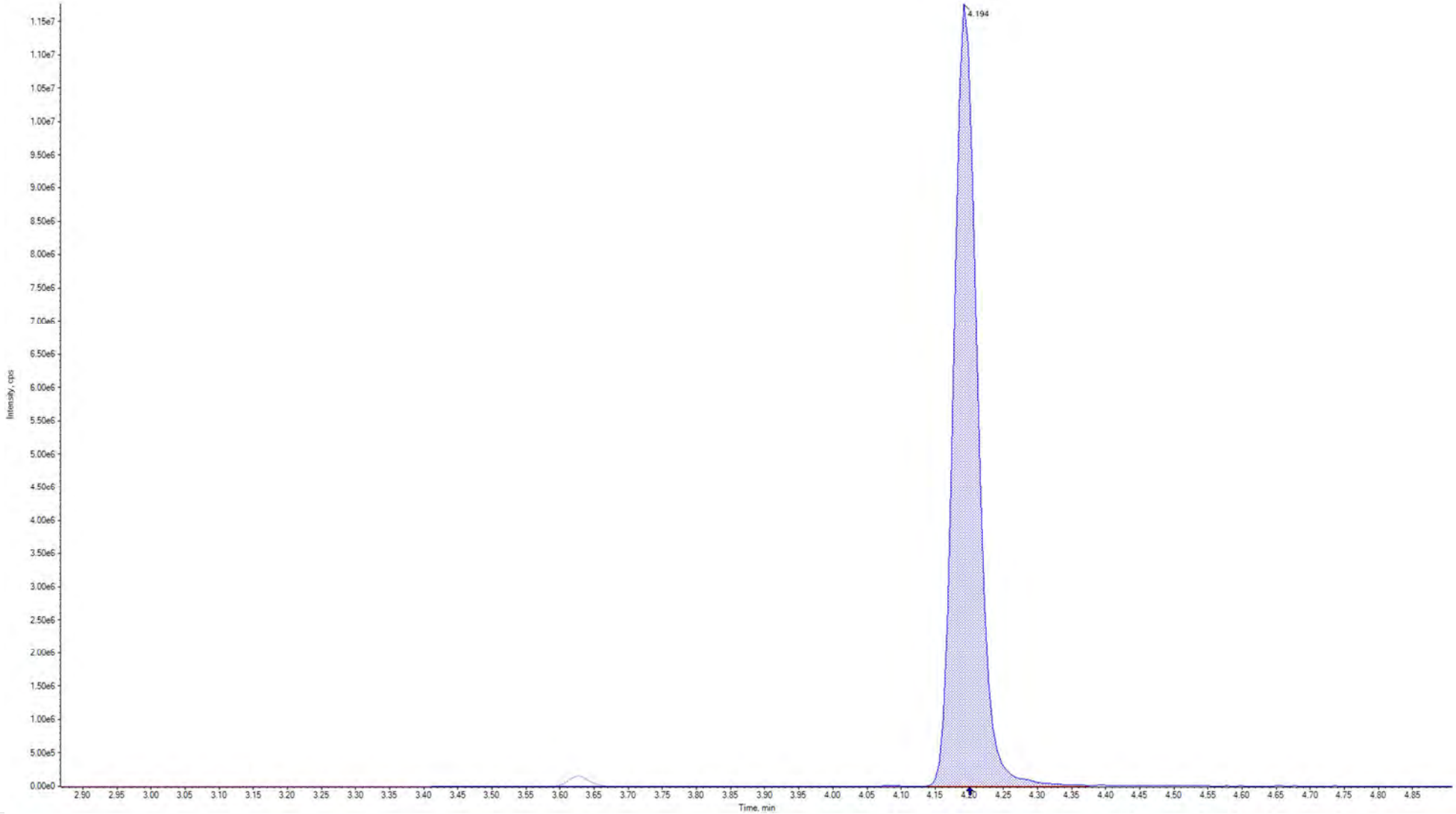
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

7:3FTCA
Sample: IA1633STD-25 S/N:84030.5 Points Across peak:39



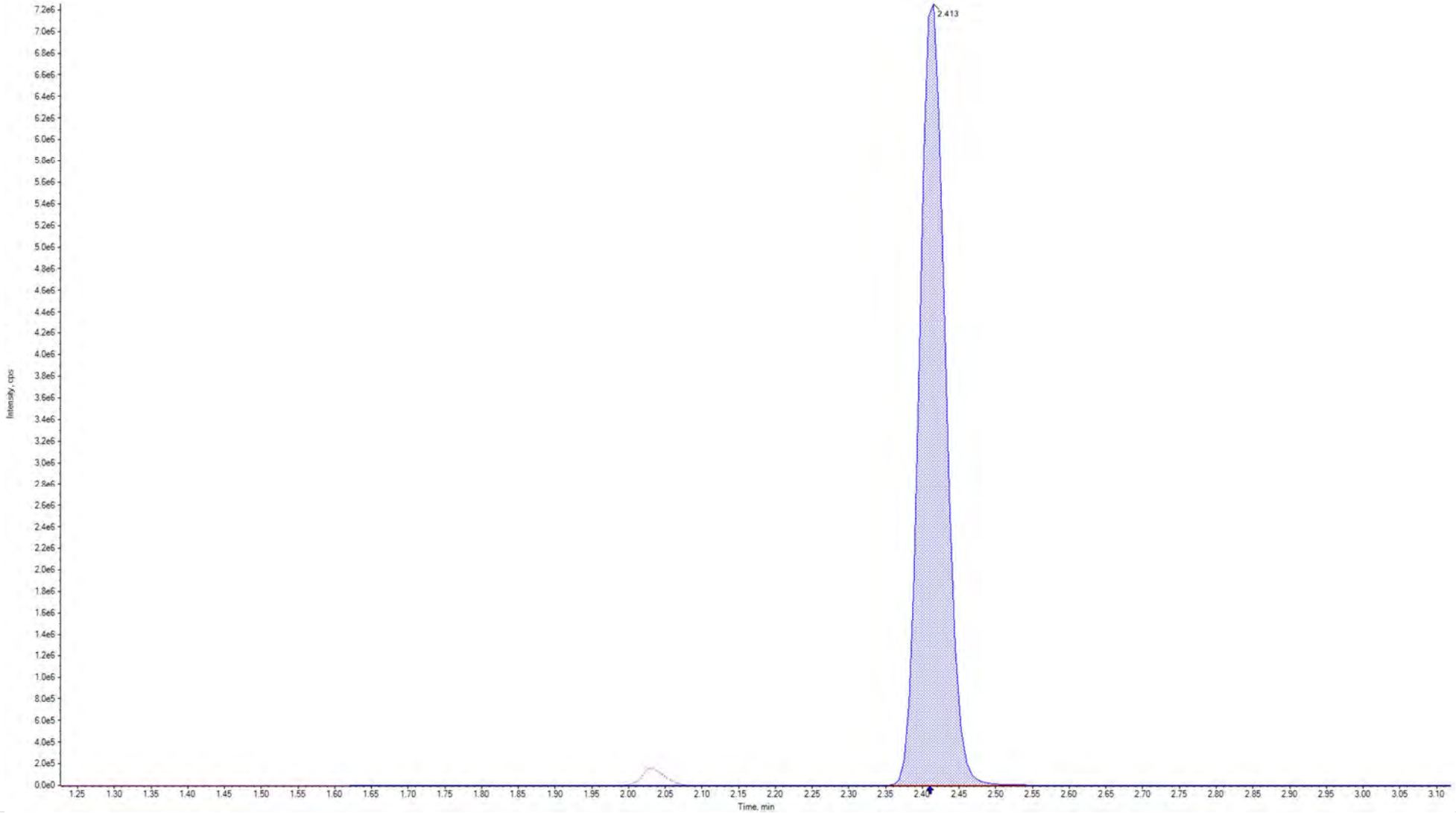
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_31.wiff2_6
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

7:3FTCA_2
Sample: IA1633STD-25 S/N:147382.8 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\250228\SCI07_250228_31.wiff2_6
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFEESA
Sample: IA1633STD-25 S/N:13942.2 Points Across peak:49



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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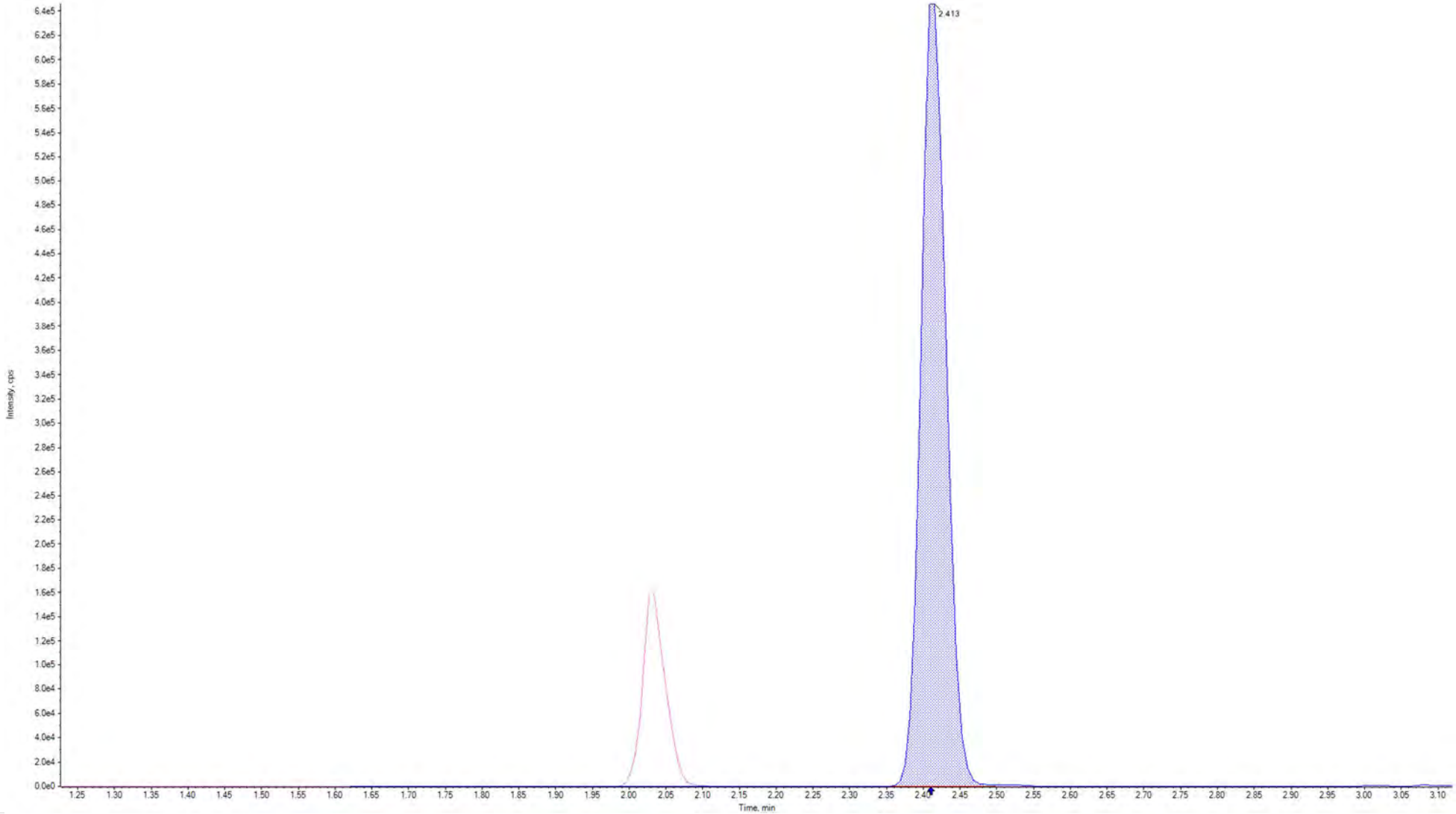
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFEESA_2
Sample: IA1633STD-25 S/N:9256.3 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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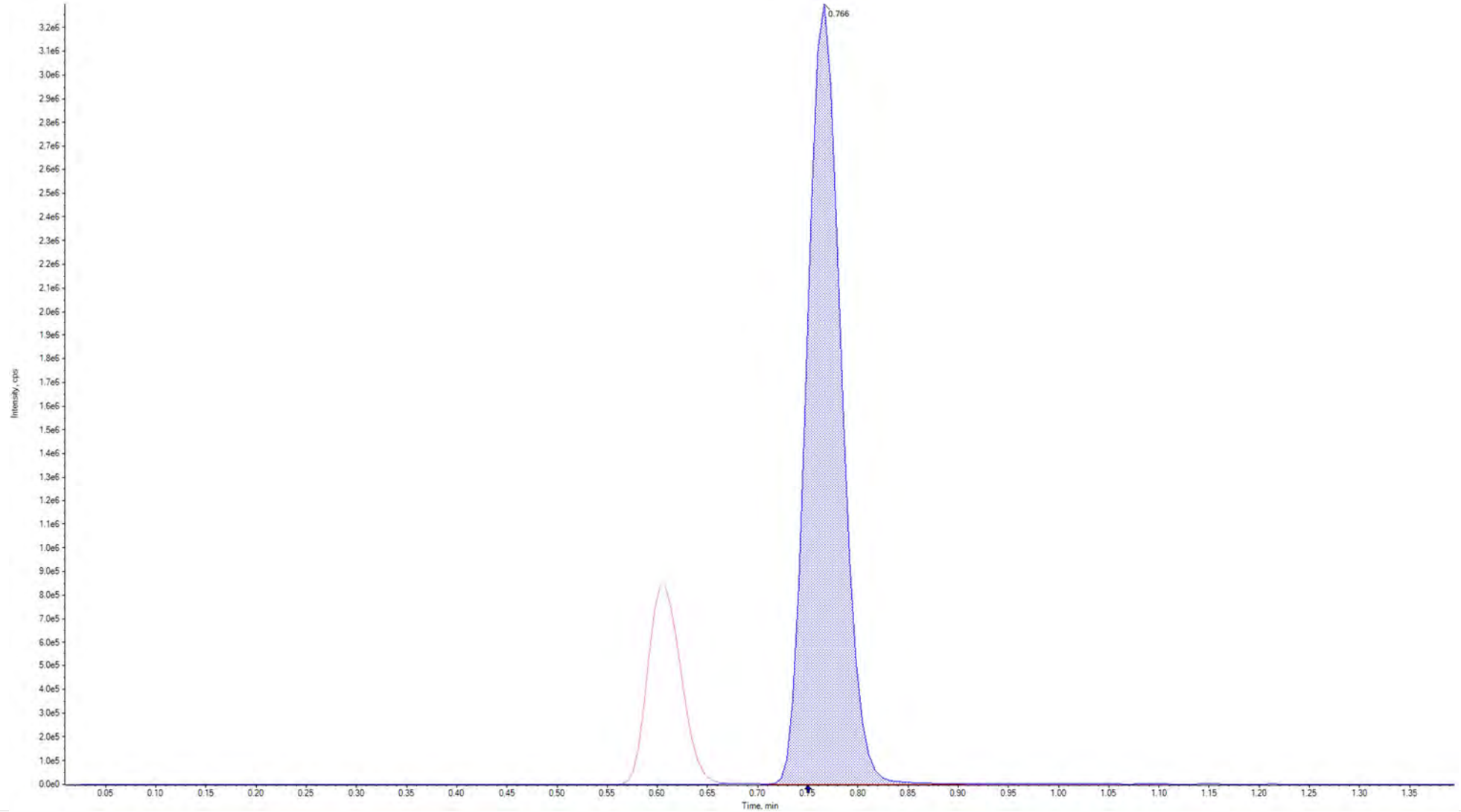
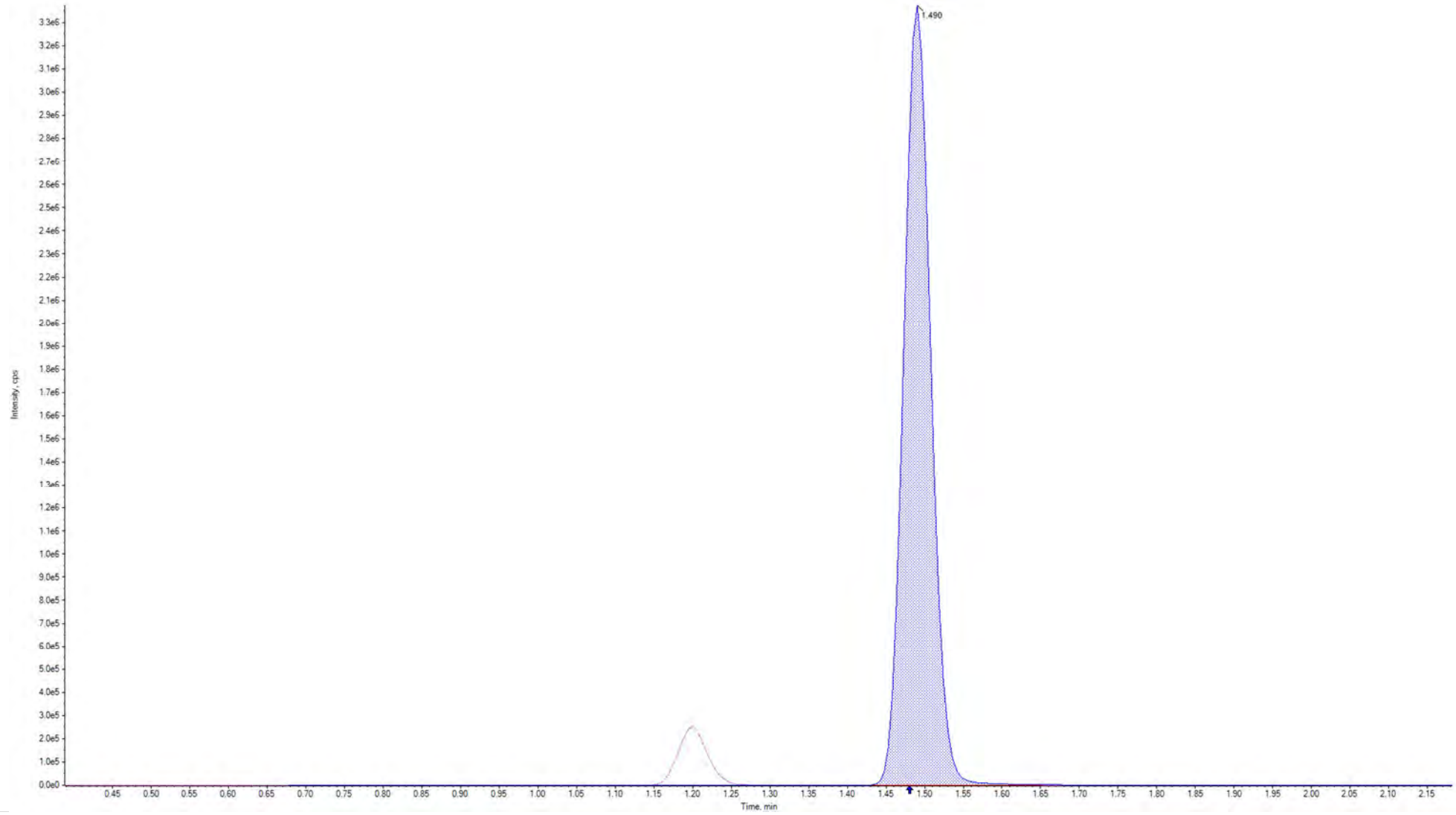
Generated: 2/28/2025 12:43:00 PM

PFMPA
Sample: IA1633STD-25 S/N:8194.6 Points Across peak:33



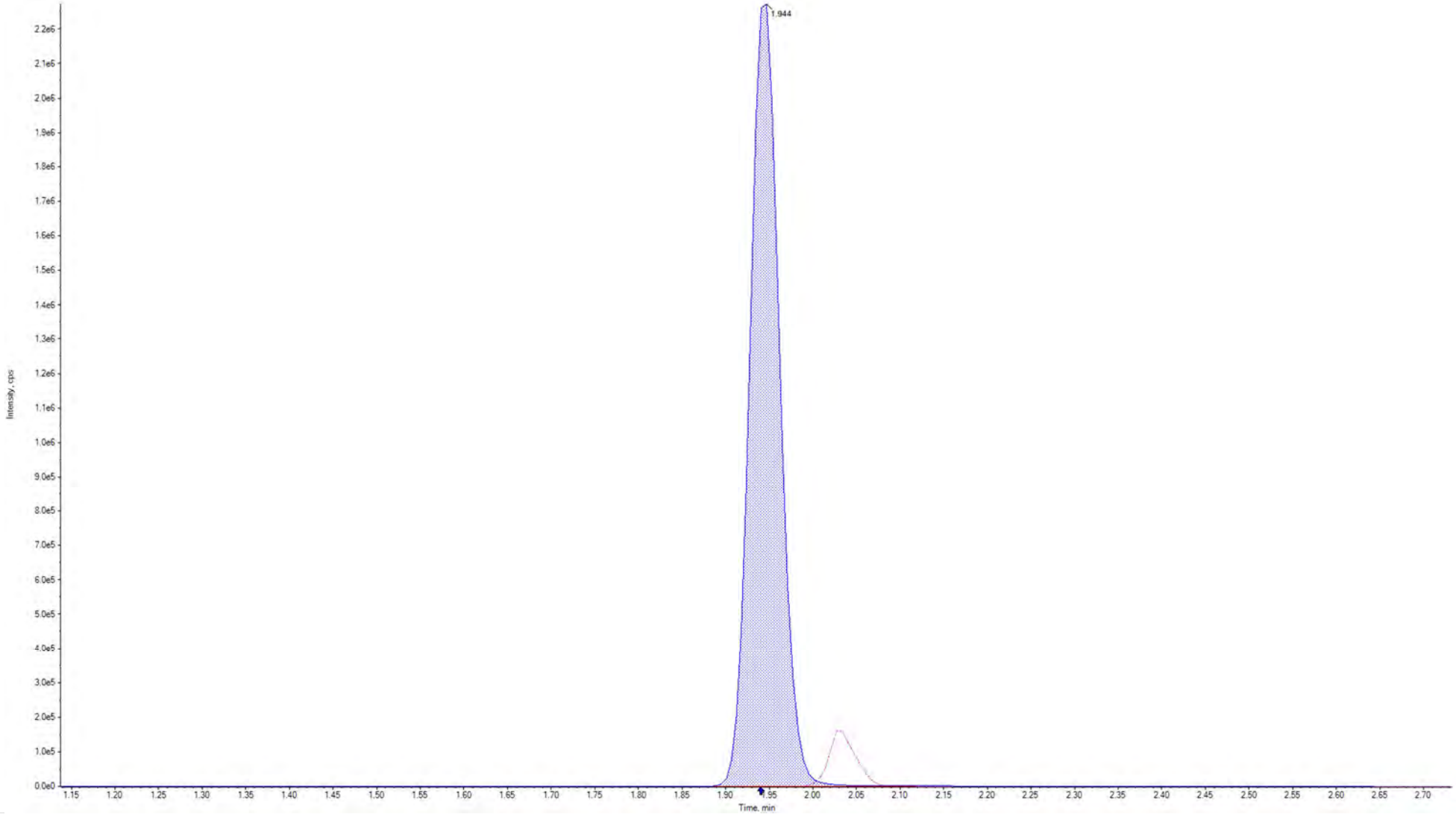
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_31.wiff2_6
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFMBA
Sample: IA1633STD-25 S/N:40649.6 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\250228\SCI07_250228_31.wiff2_6
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

NFDHA
Sample: IA1633STD-25 S/N:51260.4 Points Across peak:43



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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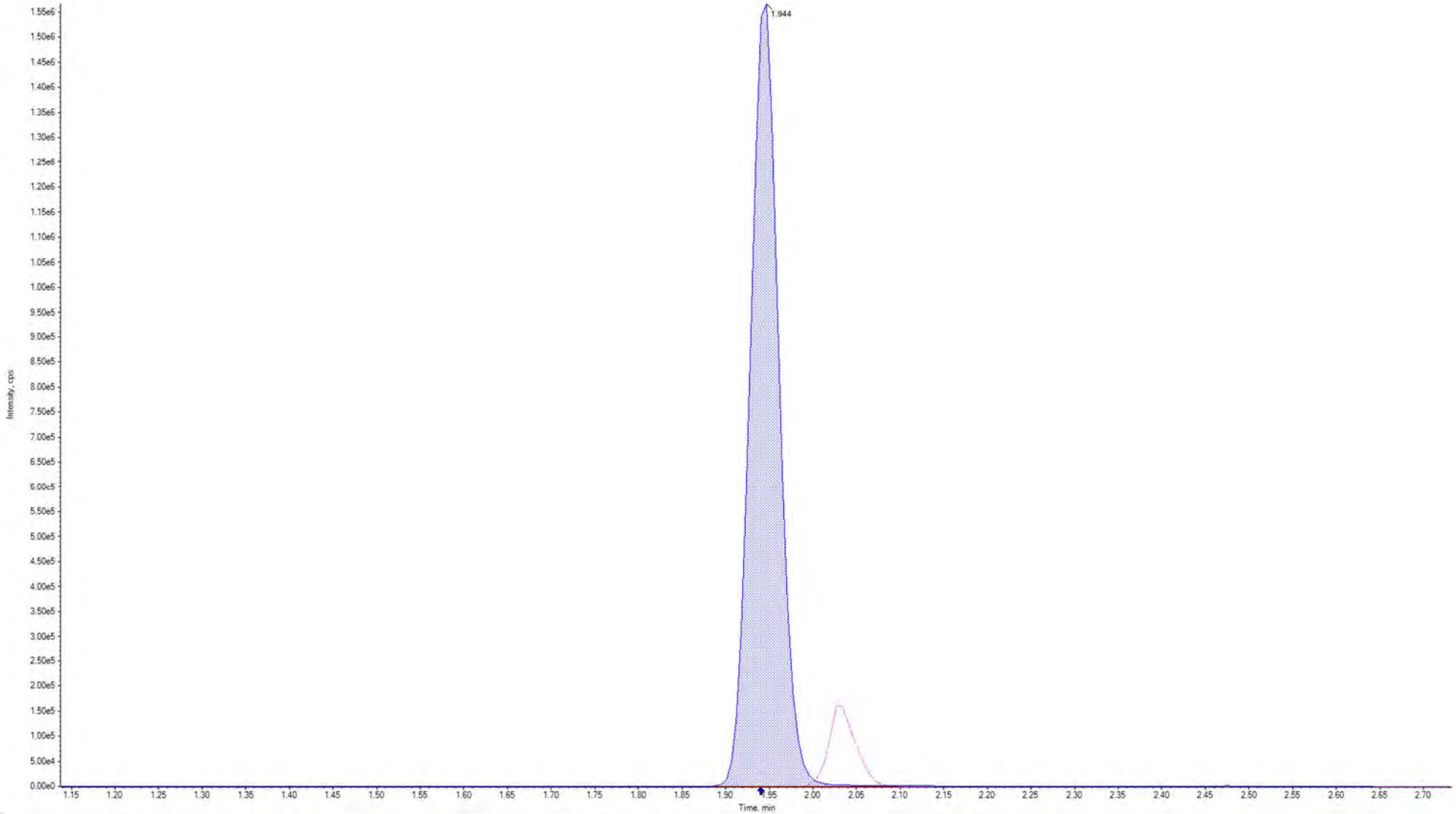
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

NFDHA_2
Sample: IA1633STD-25 S/N:35325.7 Points Across peak:39



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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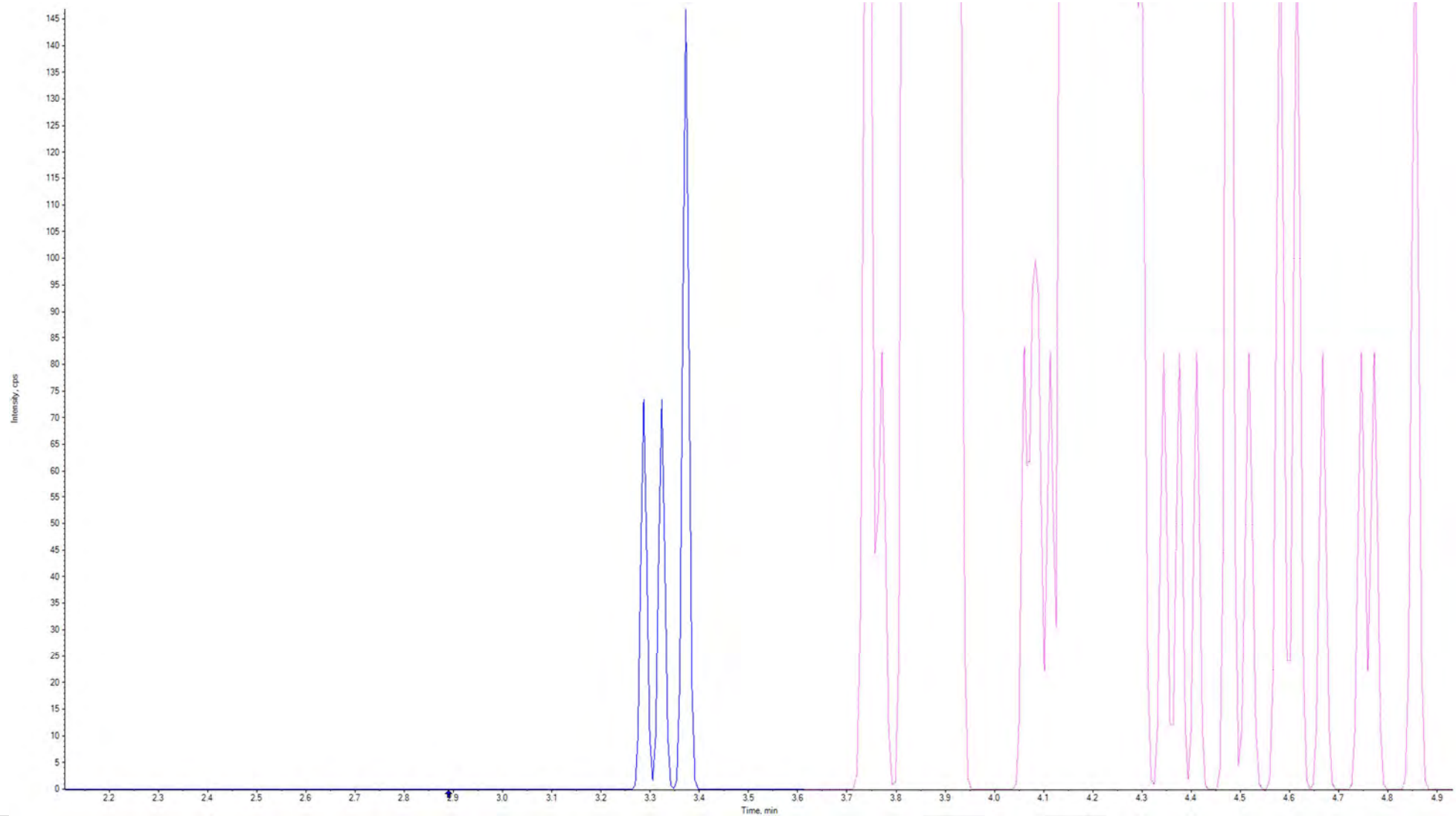
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

TDCA
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
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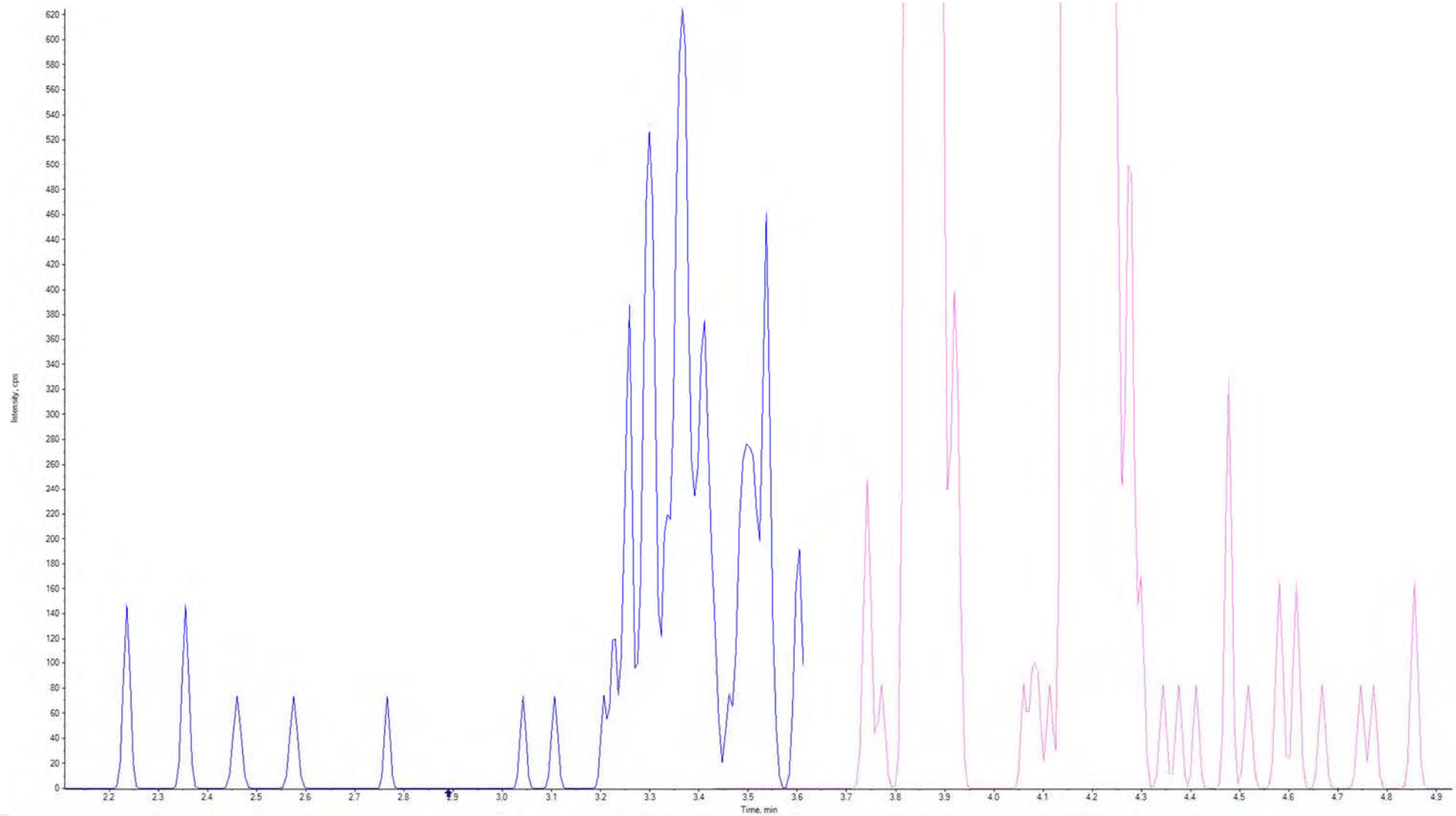
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

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
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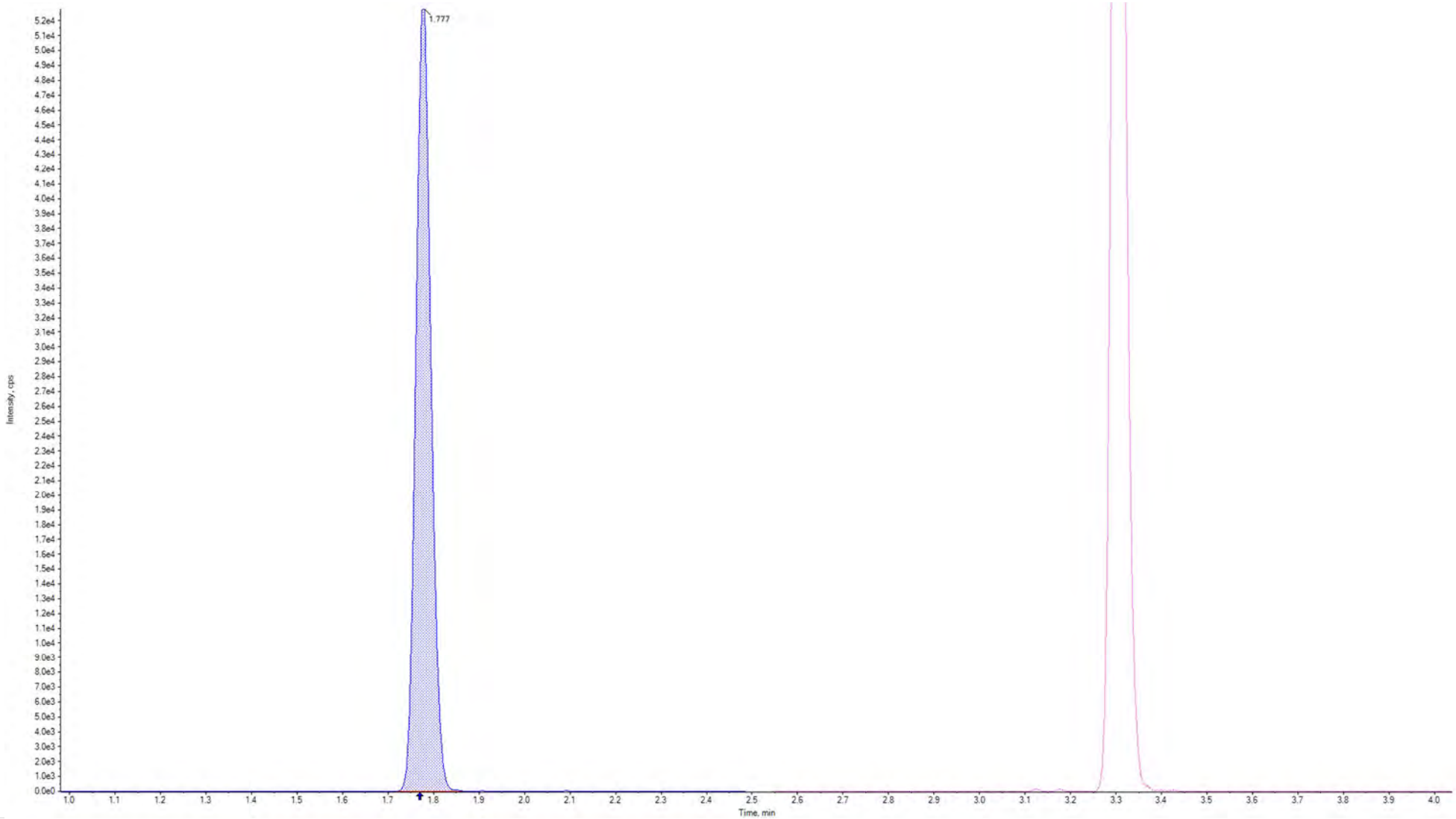
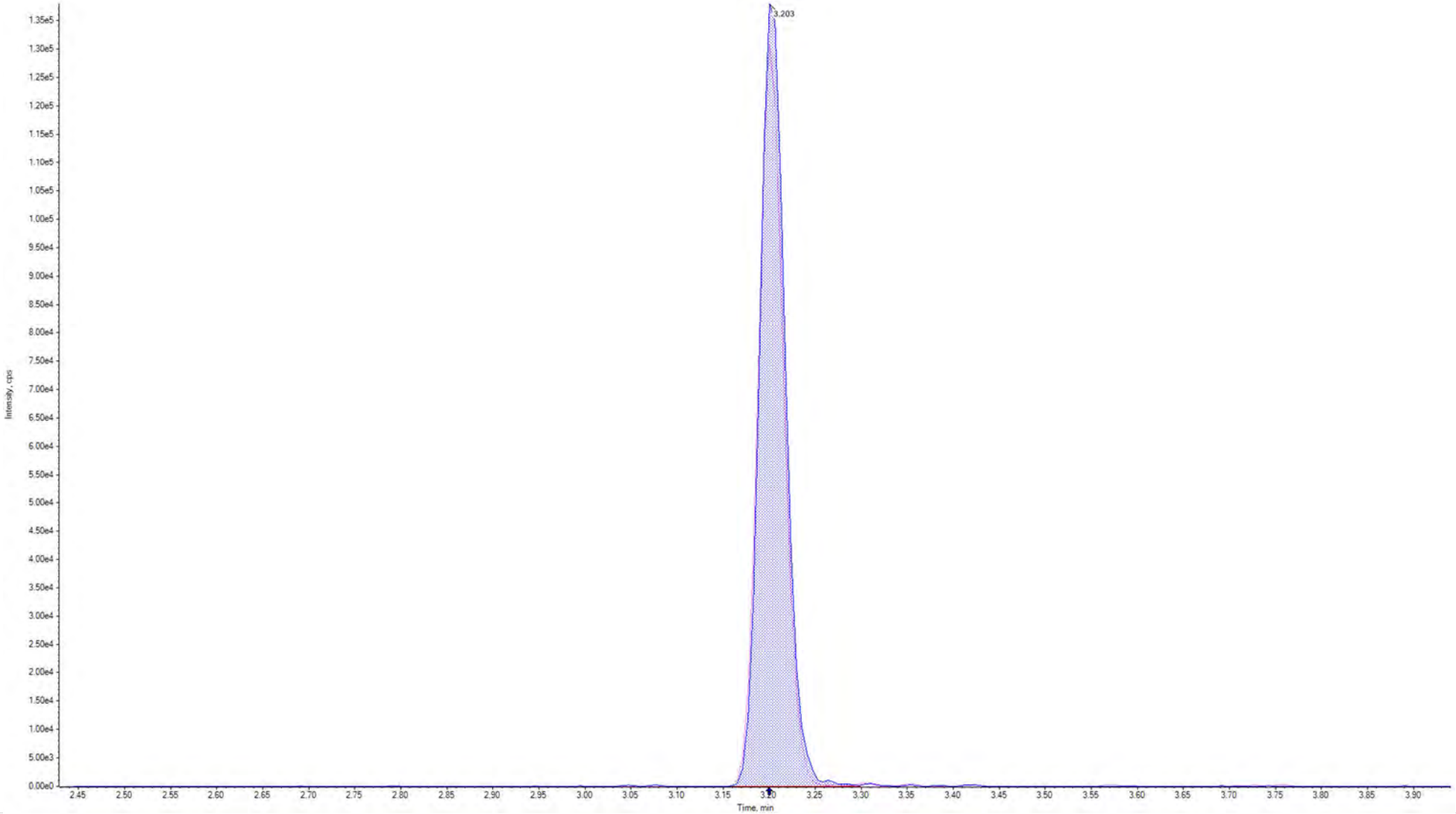
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

13C2D4-4:2FTS
Sample: IA1633STD-25 S/N:1455.2 Points Across peak:28

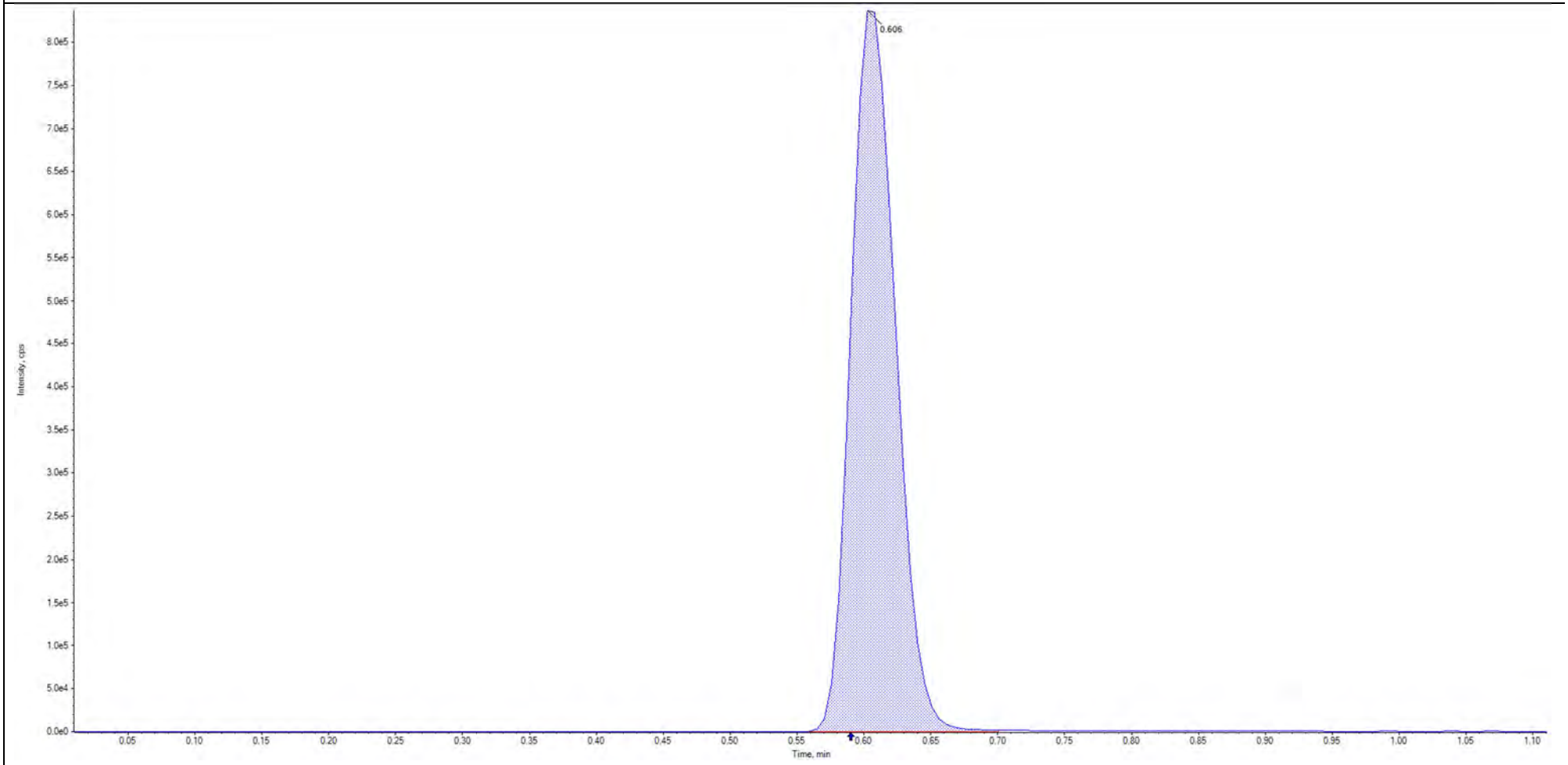


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_31.wiff2_6
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

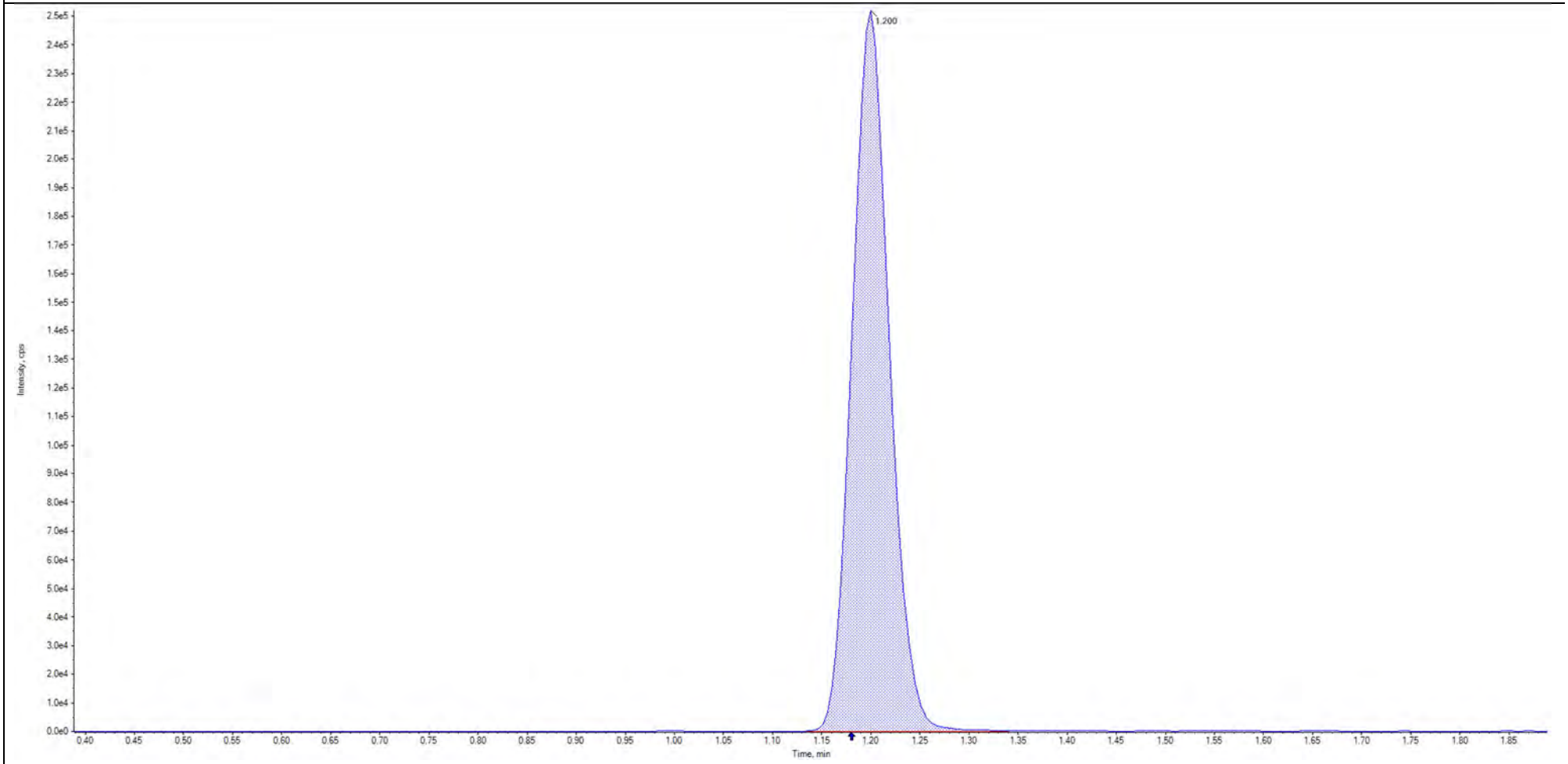
13C2-PFOA
Sample: IA1633STD-25 S/N:1727.7 Points Across peak:31



13C4-PFBA
Sample: IA1633STD-25



13C5-PFPeA
Sample: IA1633STD-25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_31.wiff2_6
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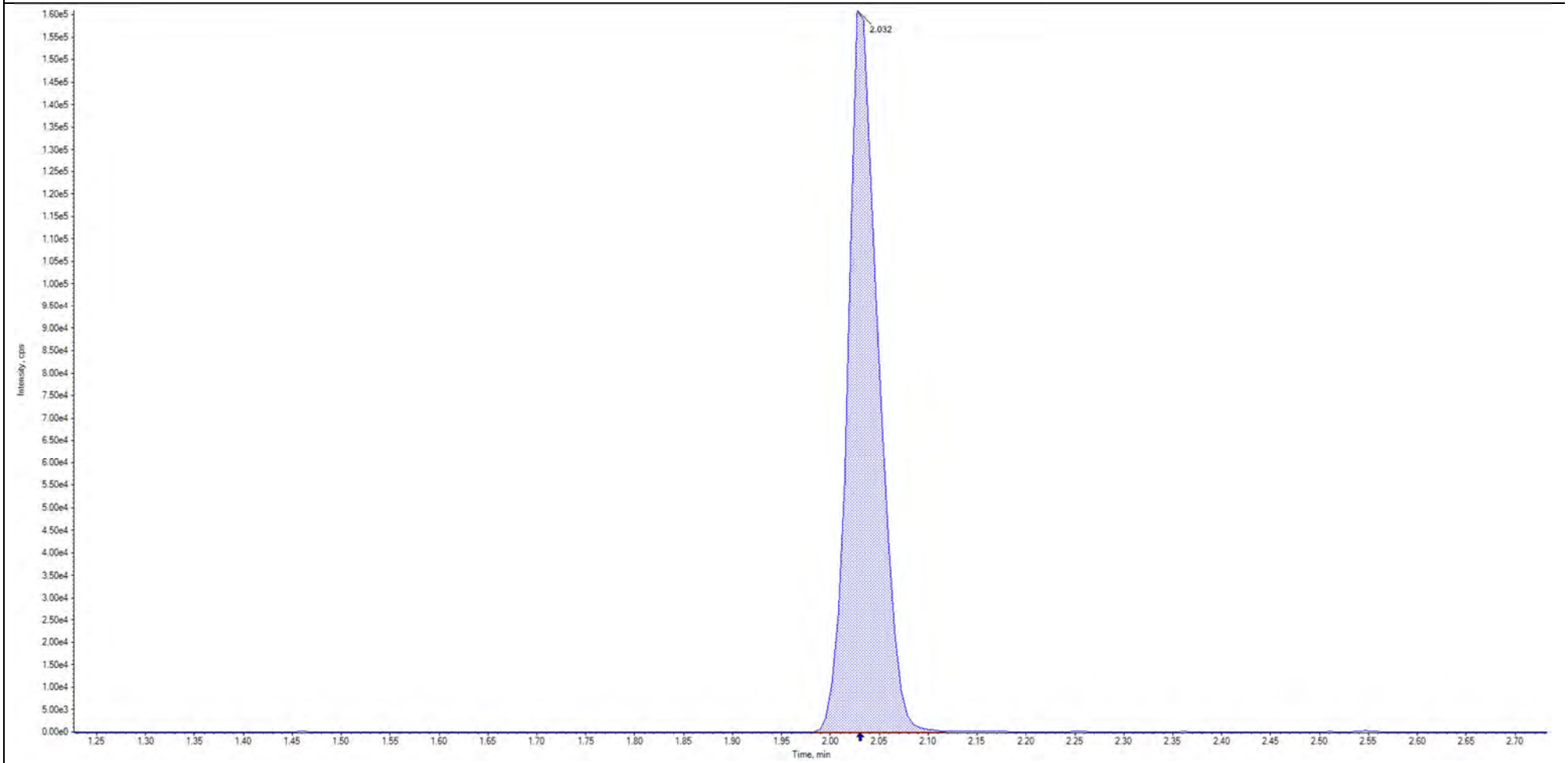
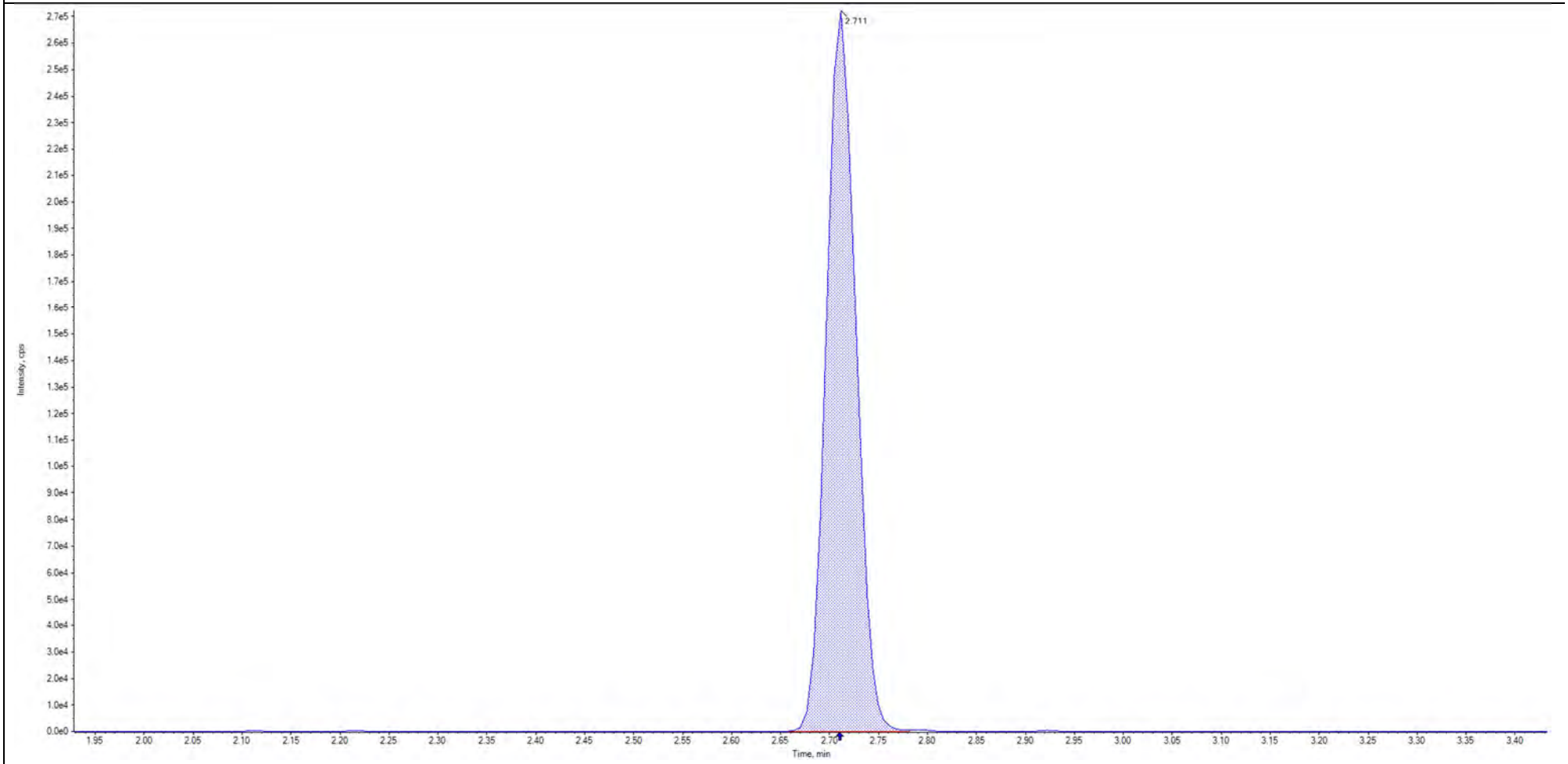
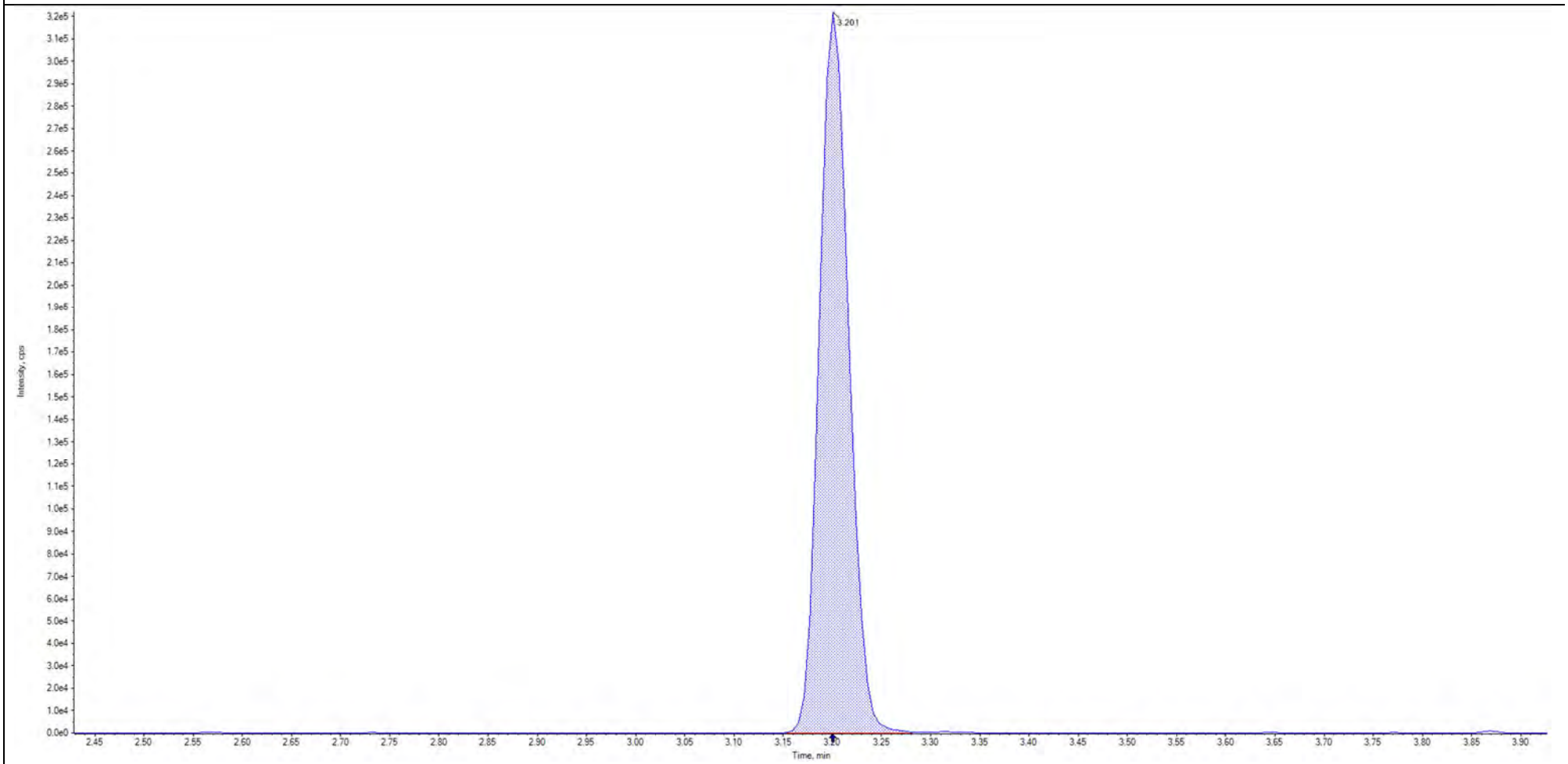
13C5-PFHxA
Sample: IA1633STD-25



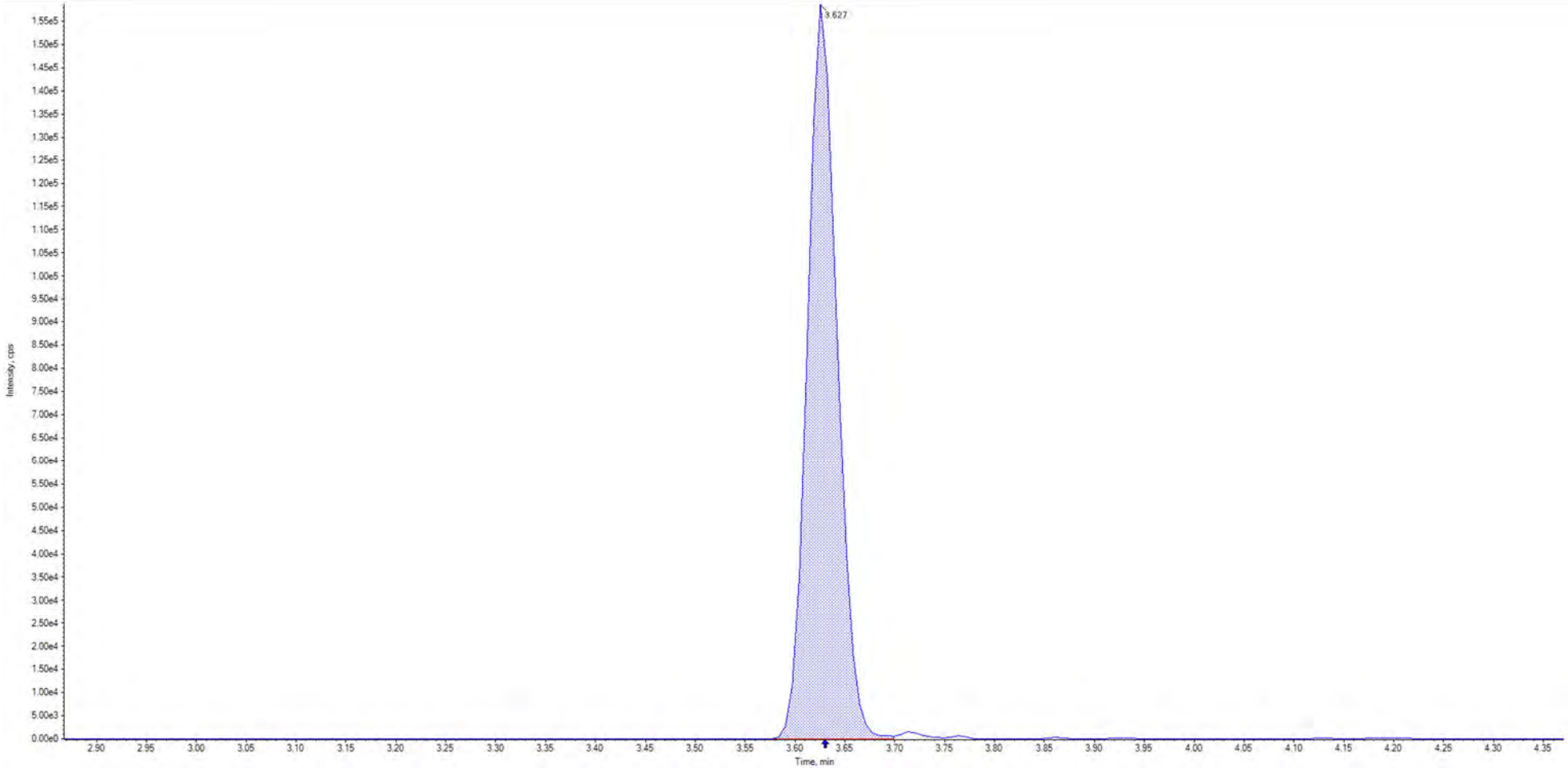
13C4-PFHpA
Sample: IA1633STD-25



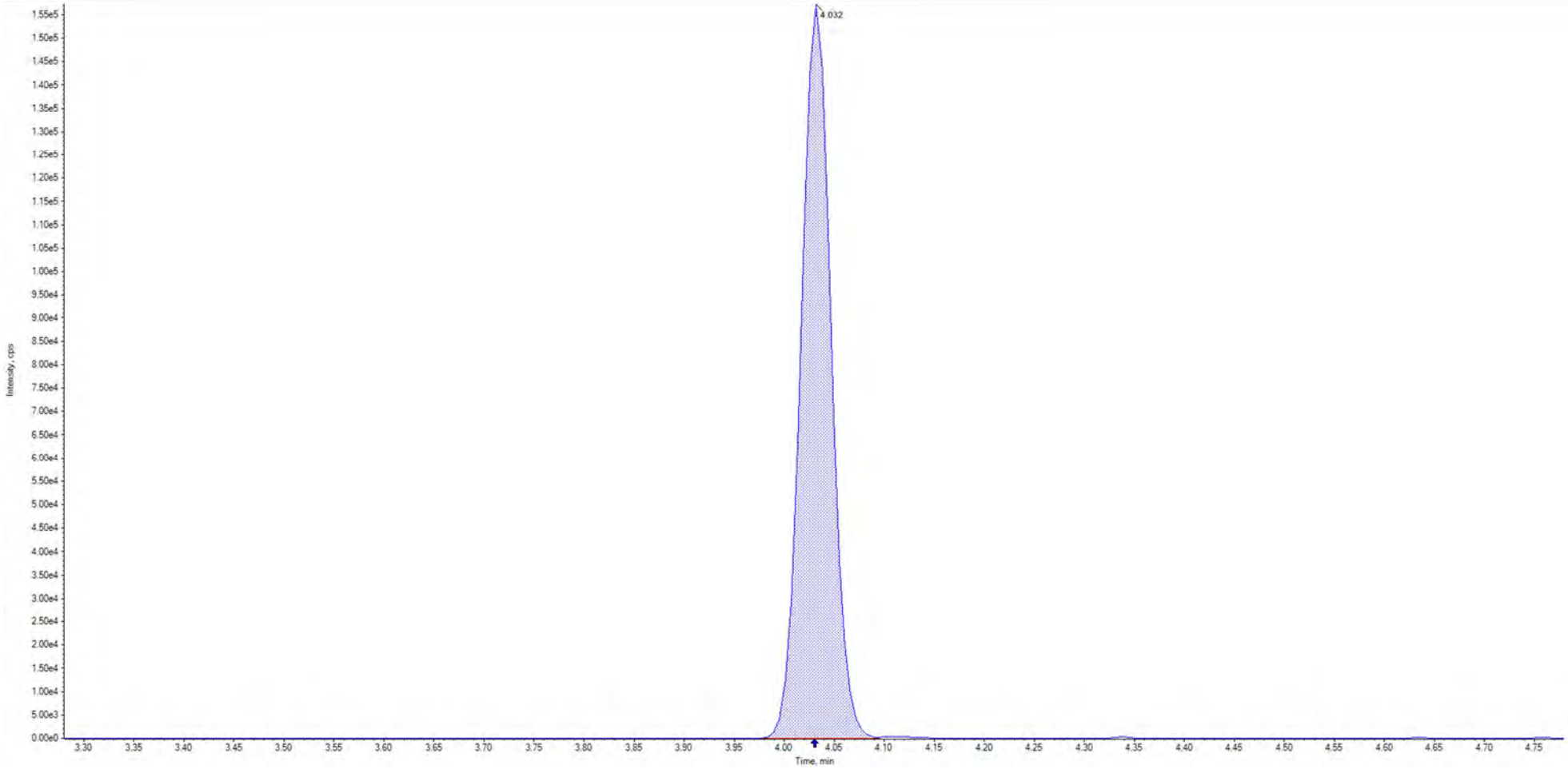
13C8-PFOA
Sample: IA1633STD-25



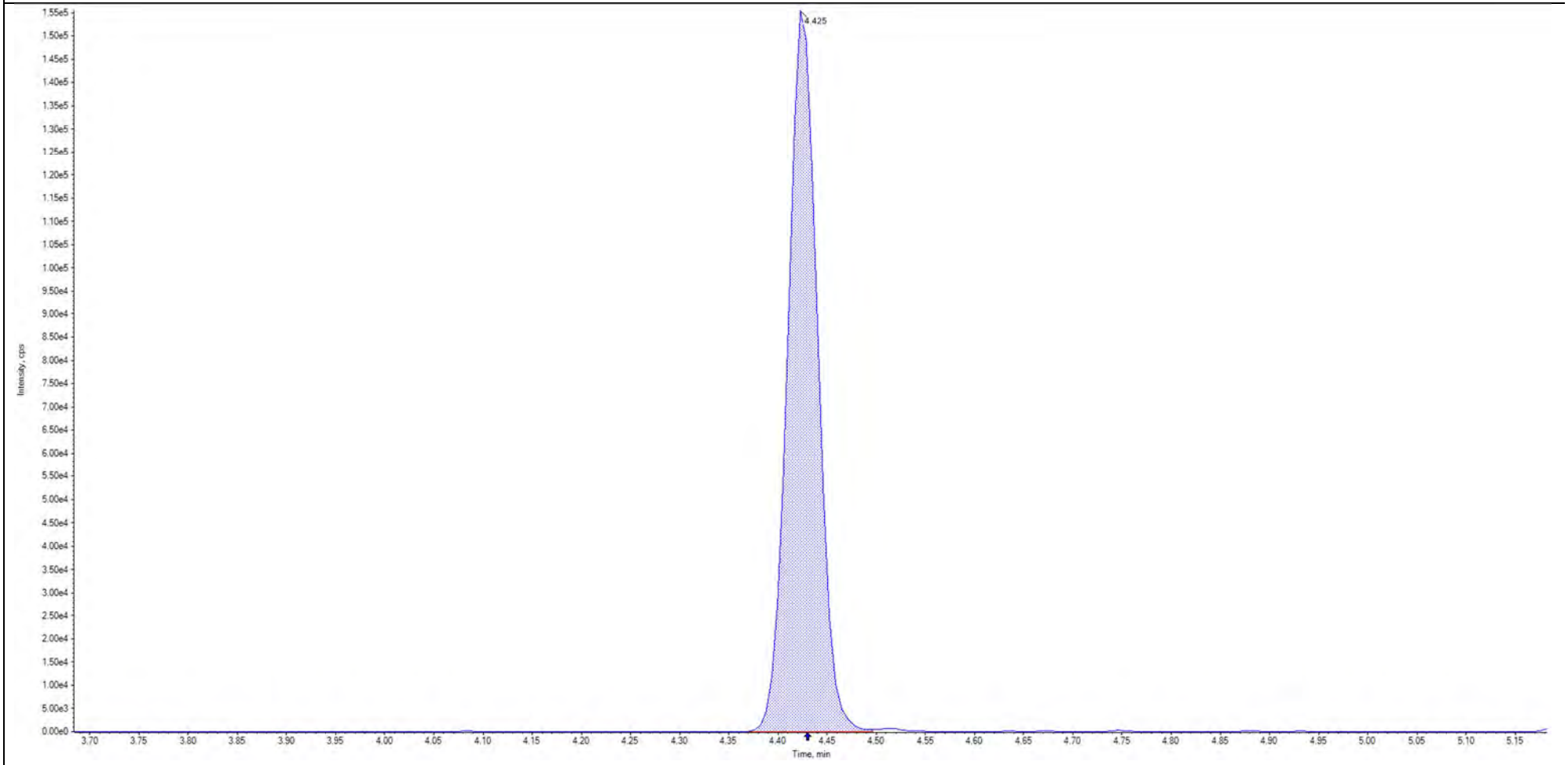
13C9-PFNA
Sample: IA1633STD-25



13C6-PFDA
Sample: IA1633STD-25



13C7-PFUnA
Sample: IA1633STD-25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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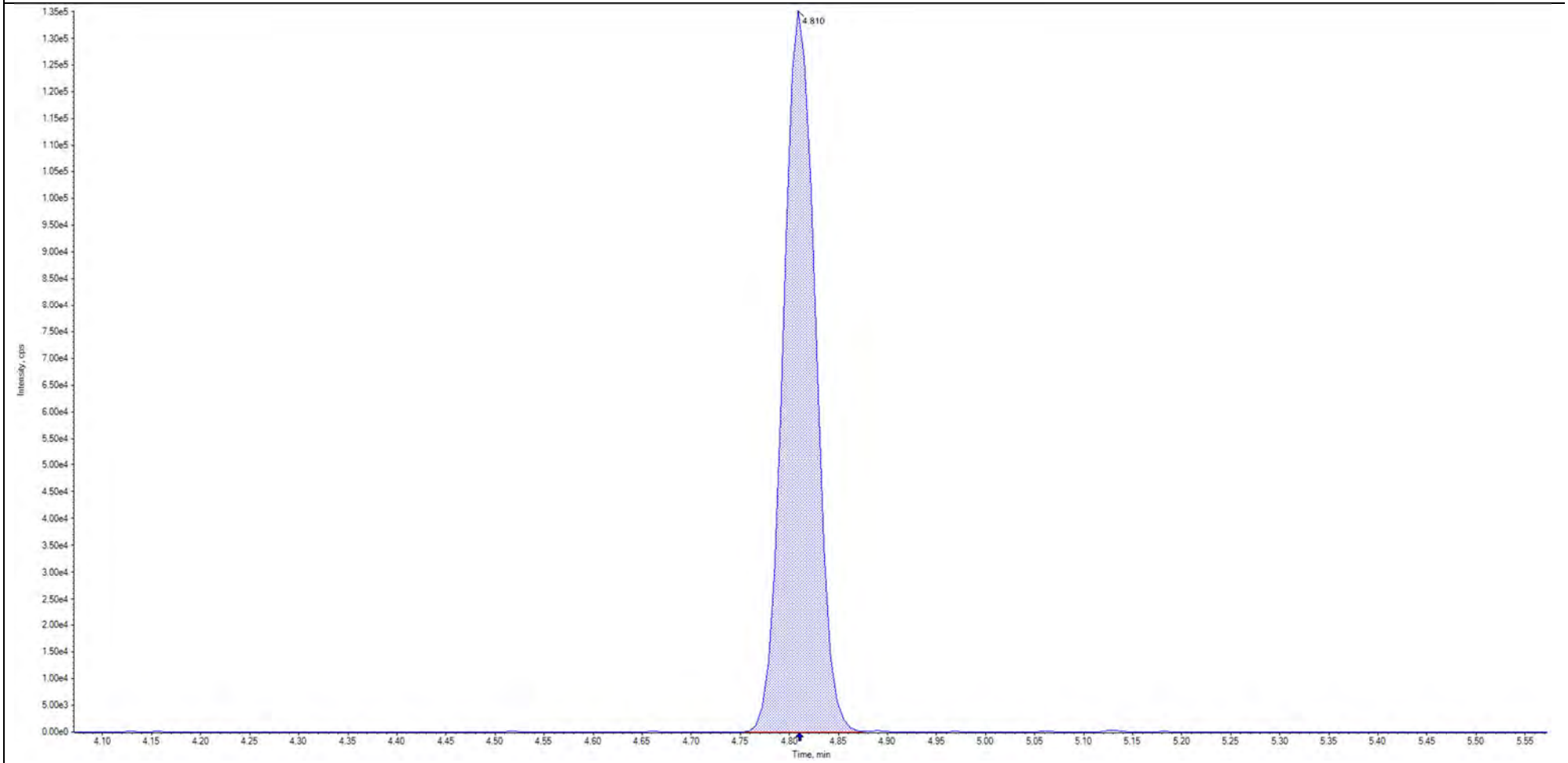
Generated: 2/28/2025 12:43:00 PM

13C2-PFDoA
Sample: IA1633STD-25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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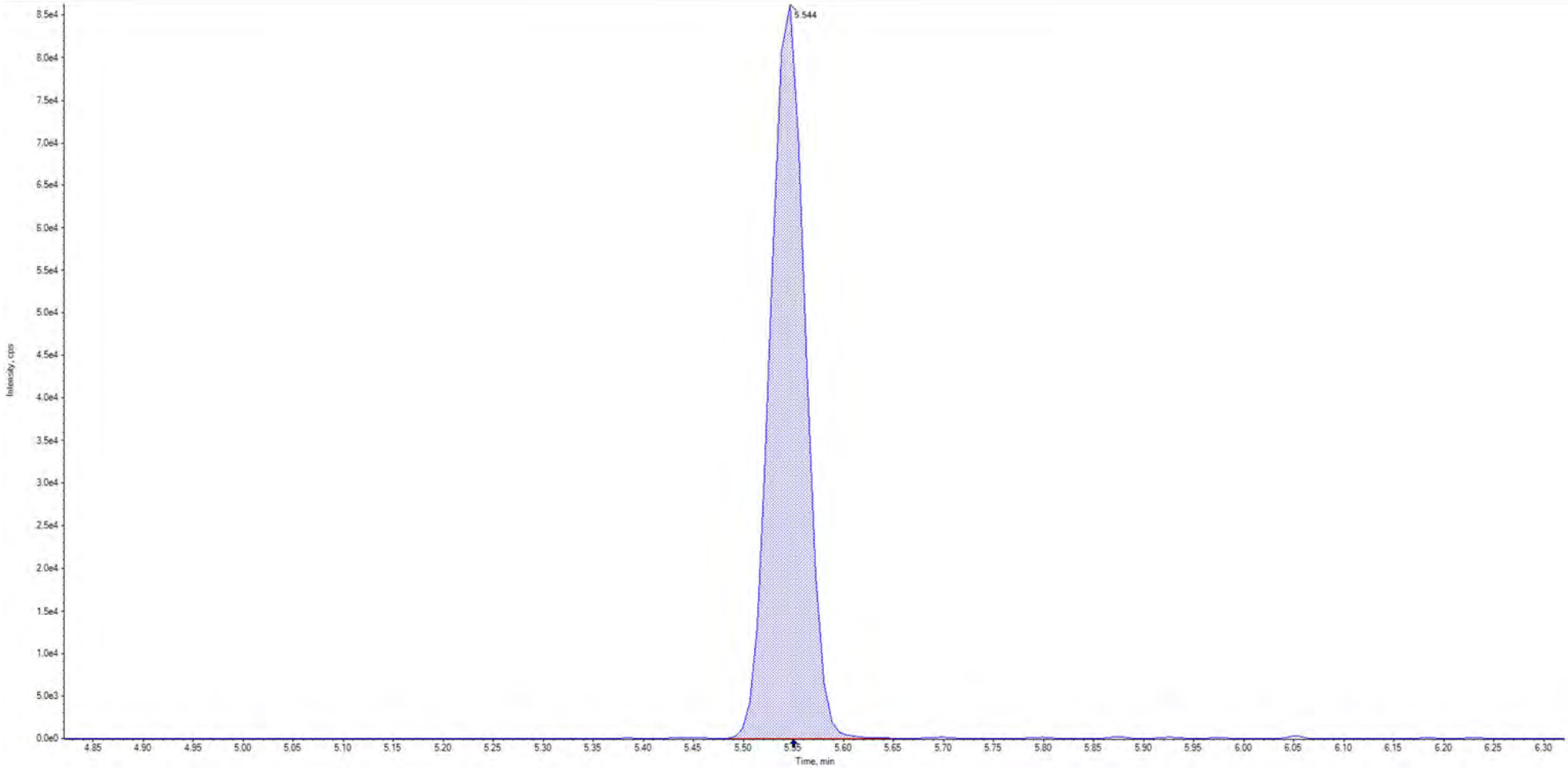
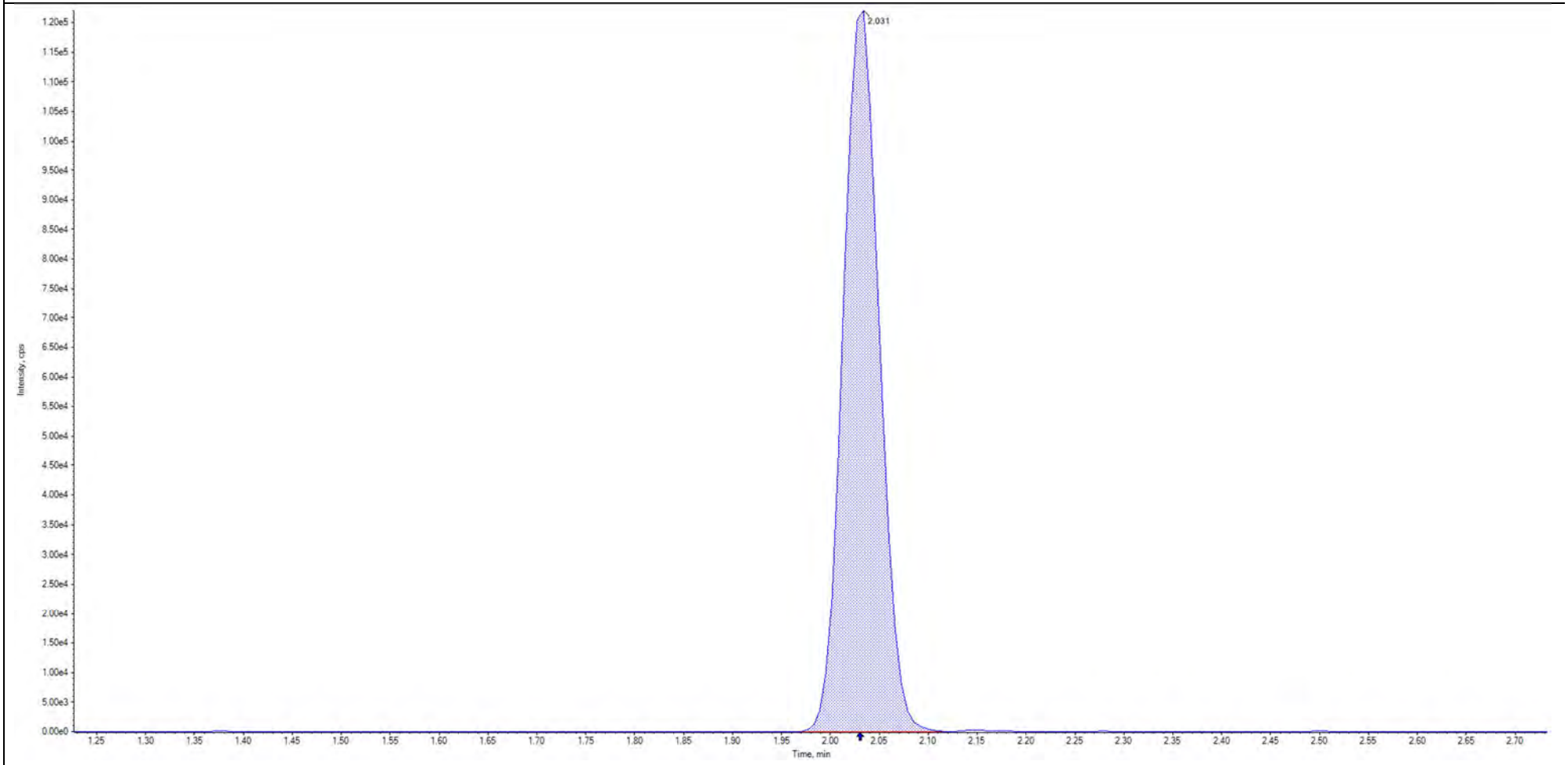
Generated: 2/28/2025 12:43:00 PM

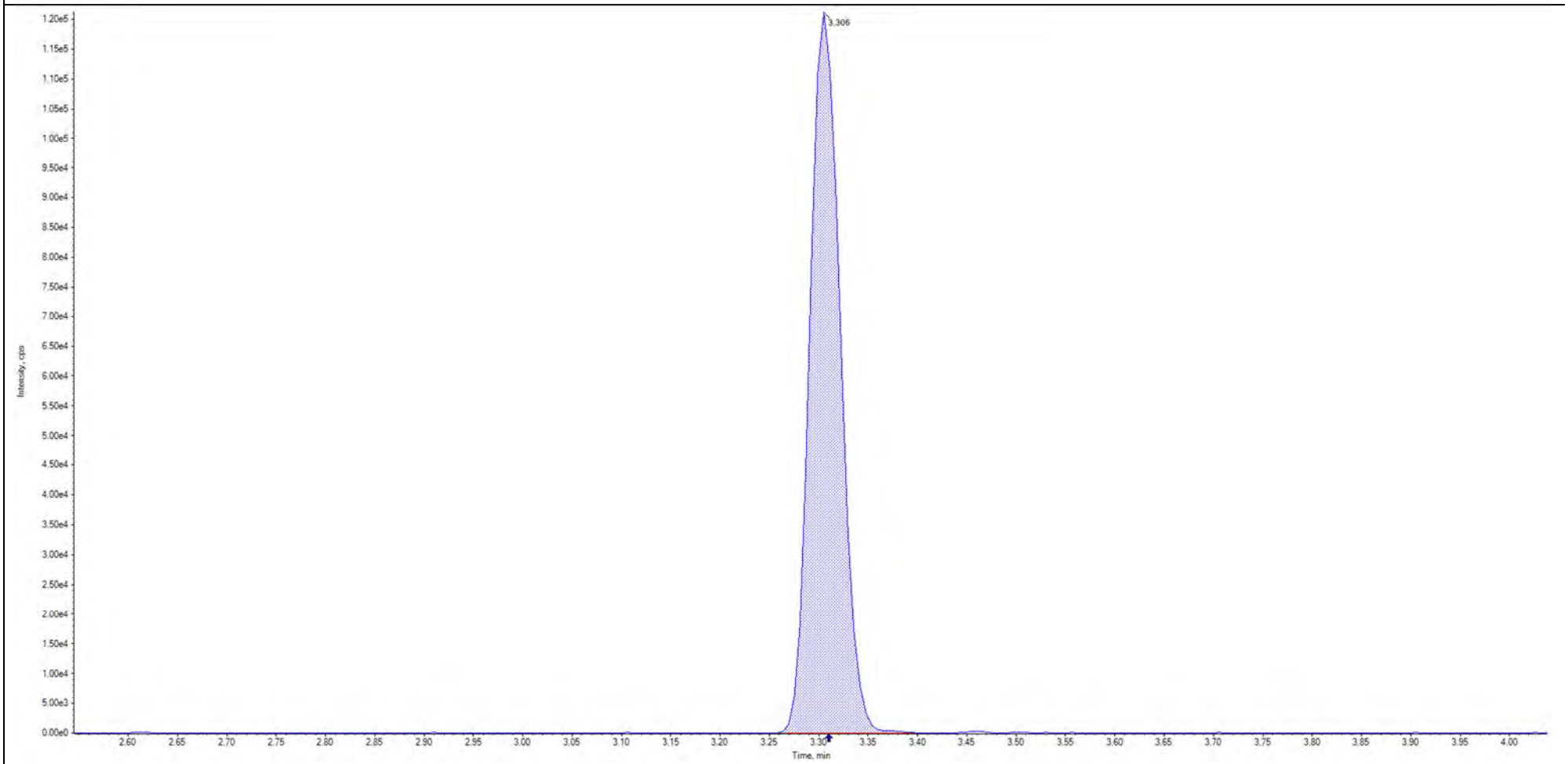
13C2-PFTeDA
Sample: IA1633STD-25



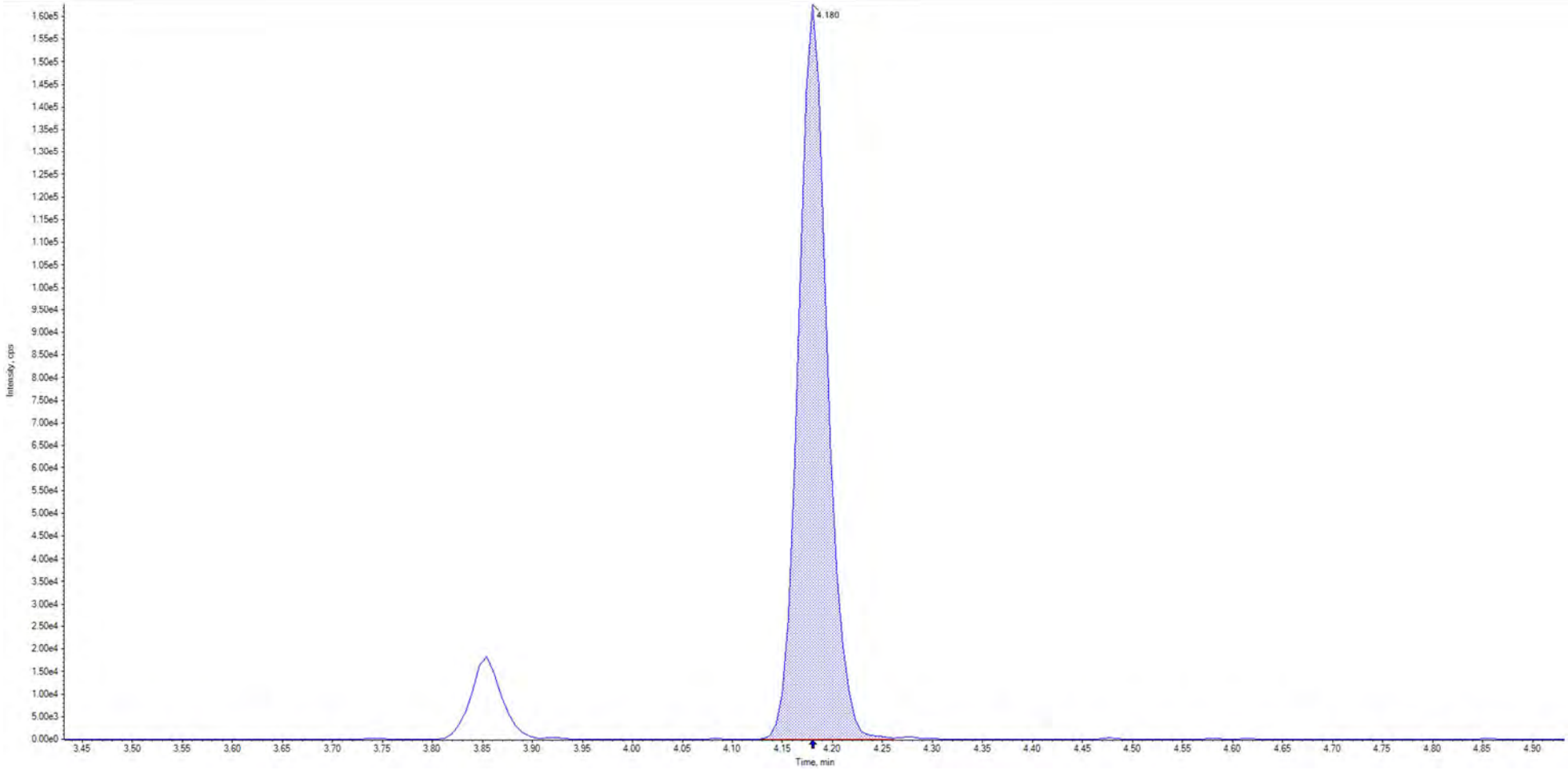
13C3-PFBS
Sample: IA1633STD-25



13C3-PFHxS
Sample: IA1633STD-25



13C8-PFOS
Sample: IA1633STD-25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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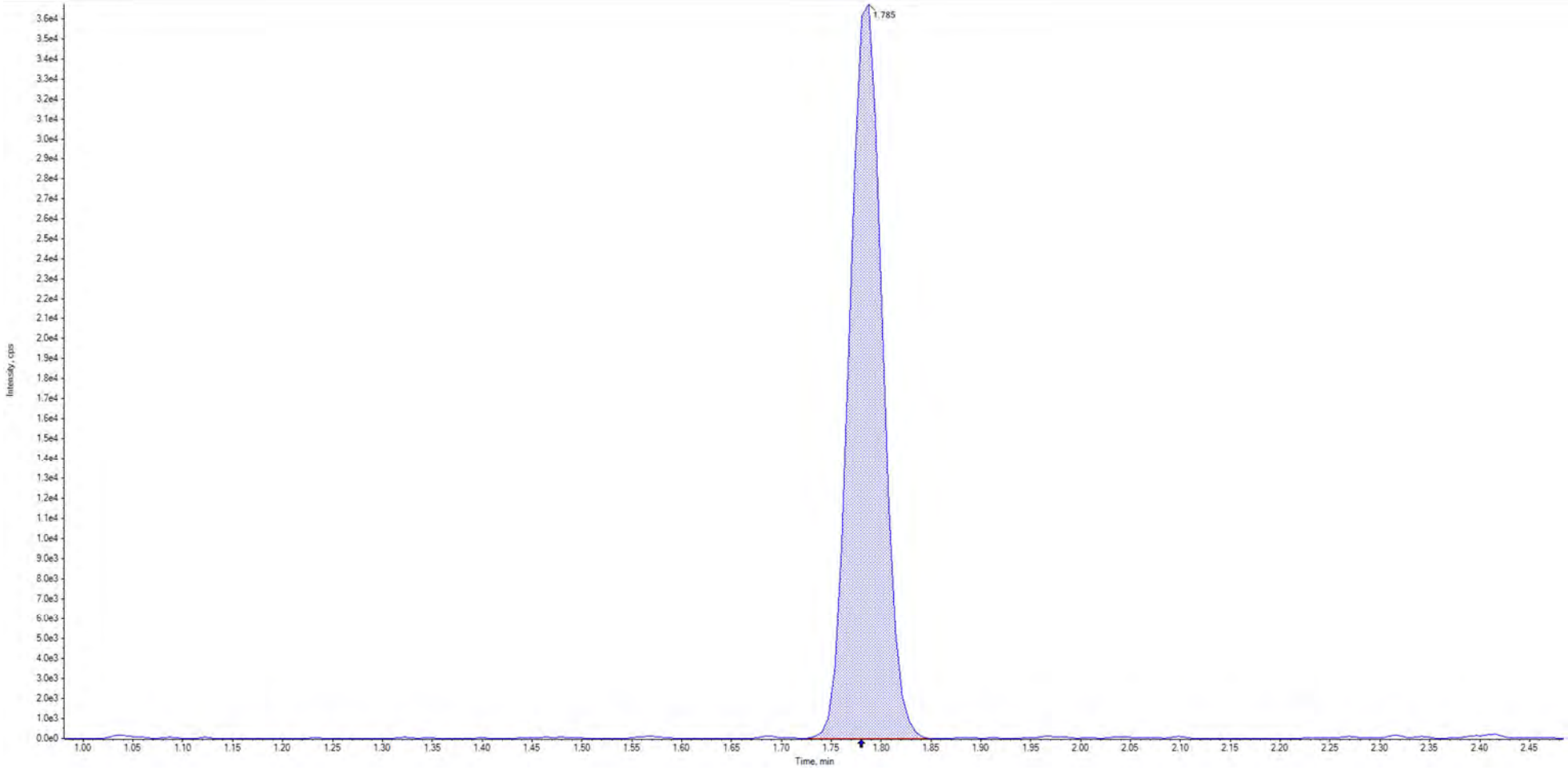
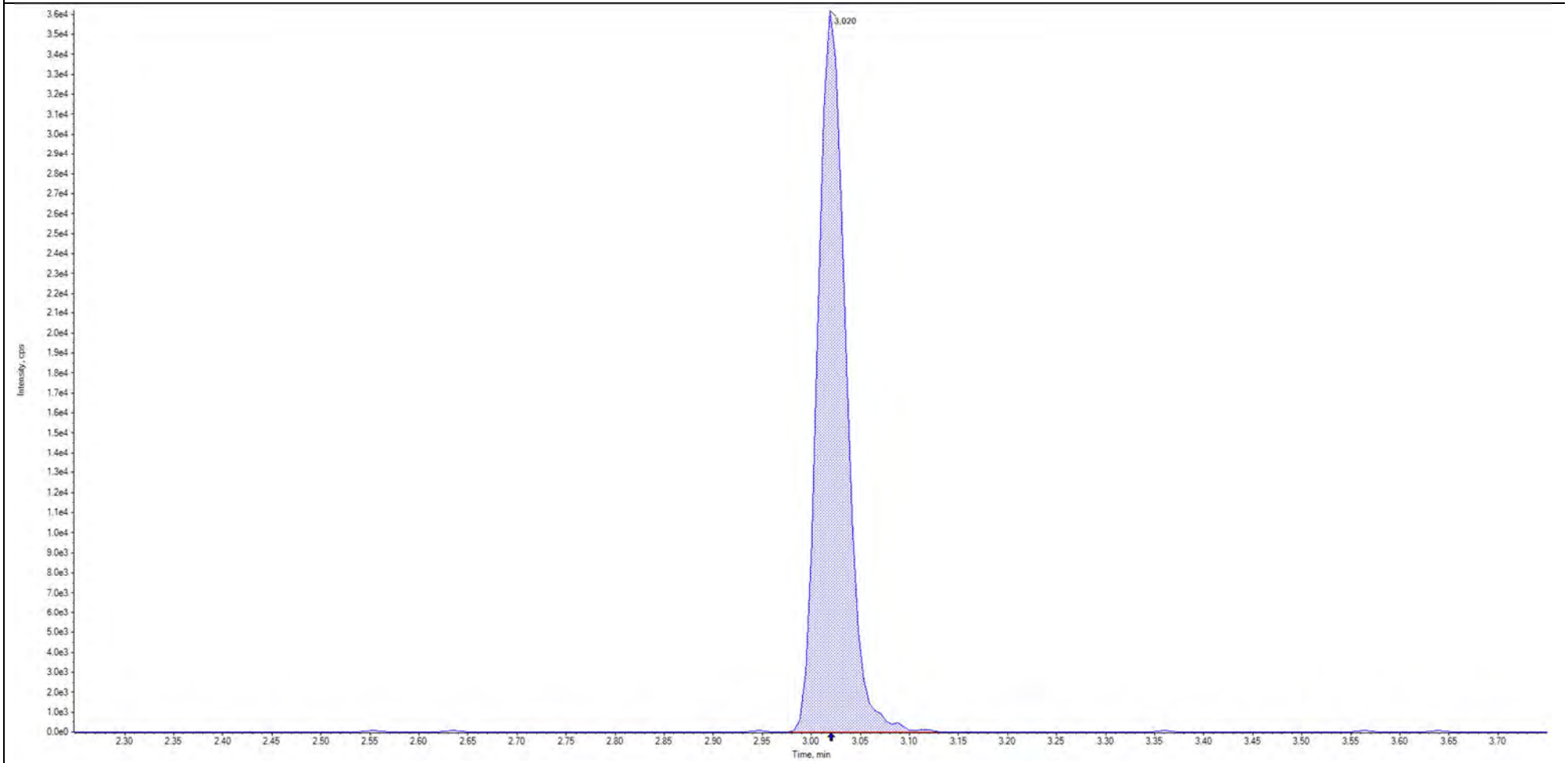
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

13C2-4:2FTS
Sample: IA1633STD-25



13C2-6:2FTS
Sample: IA1633STD-25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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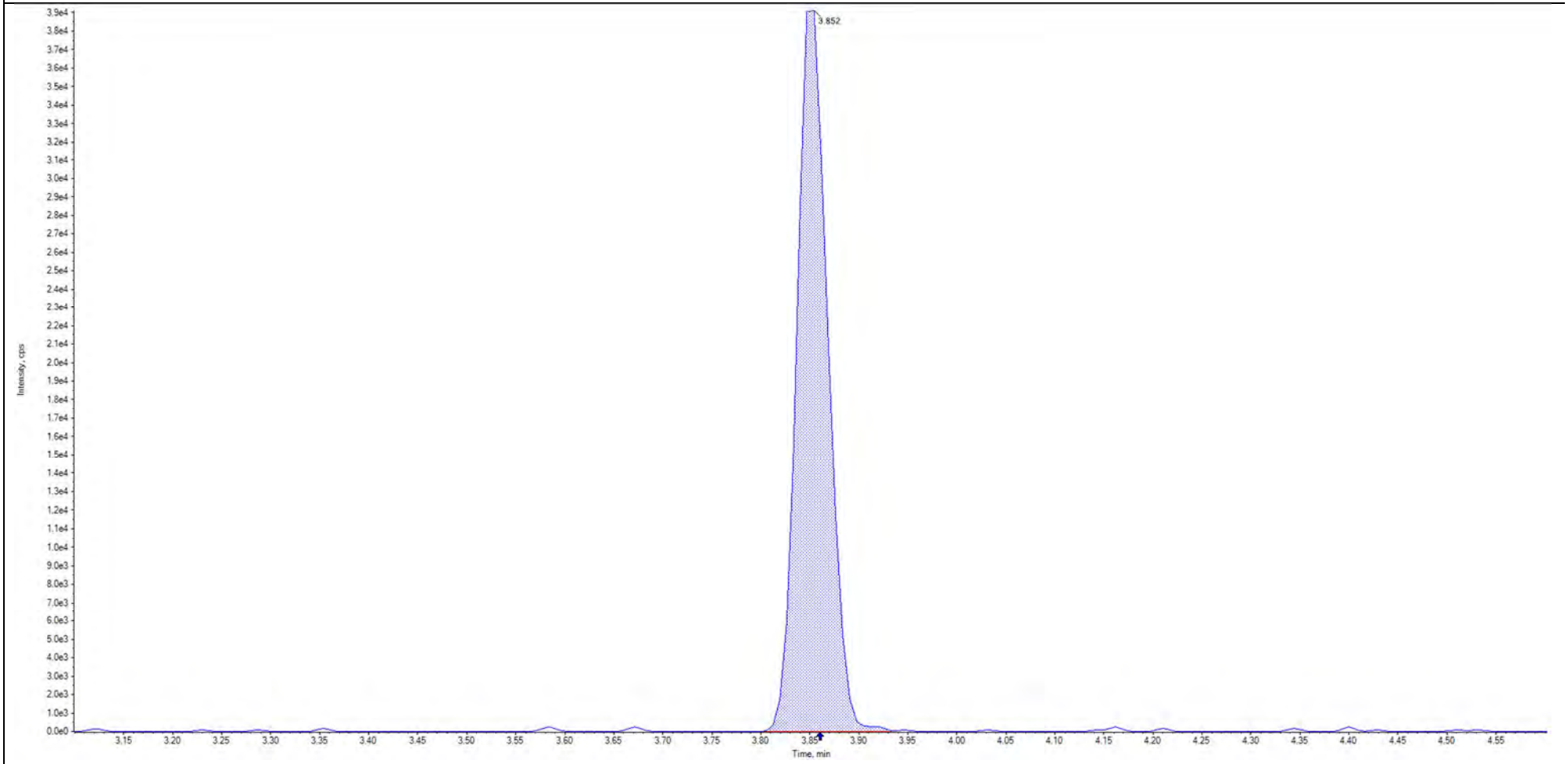
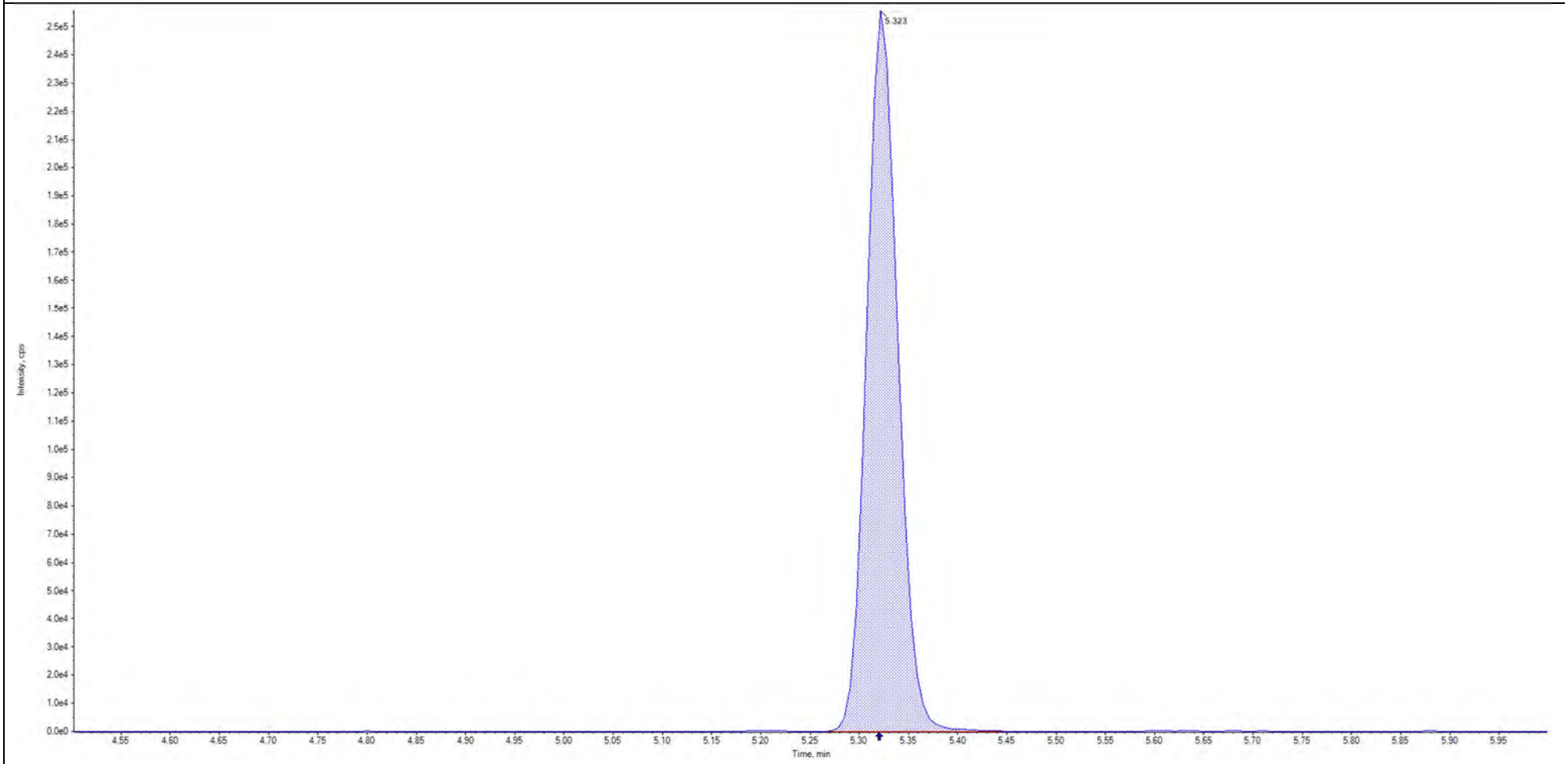
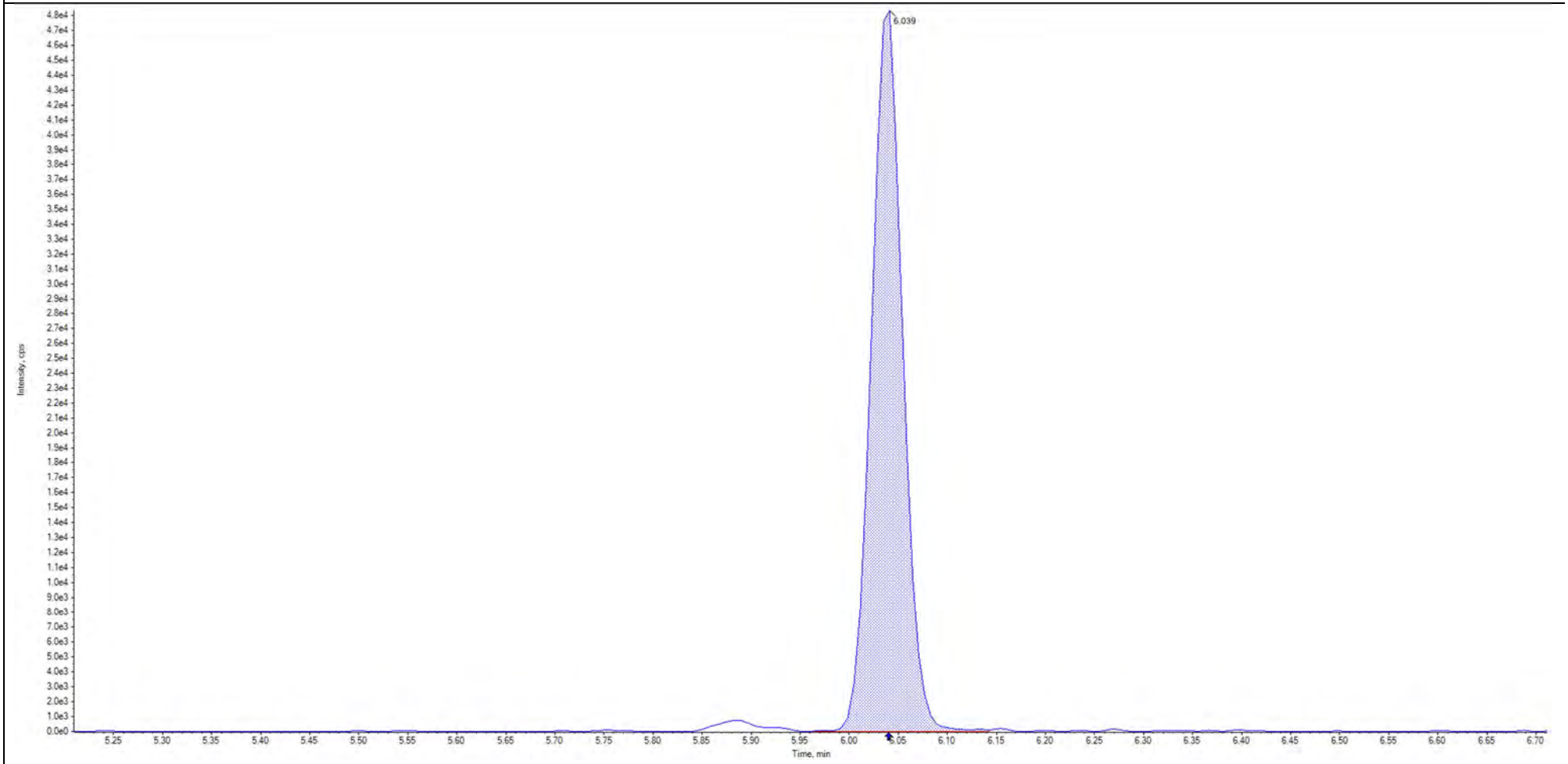
13C2-8:2FTS
Sample: IA1633STD-25



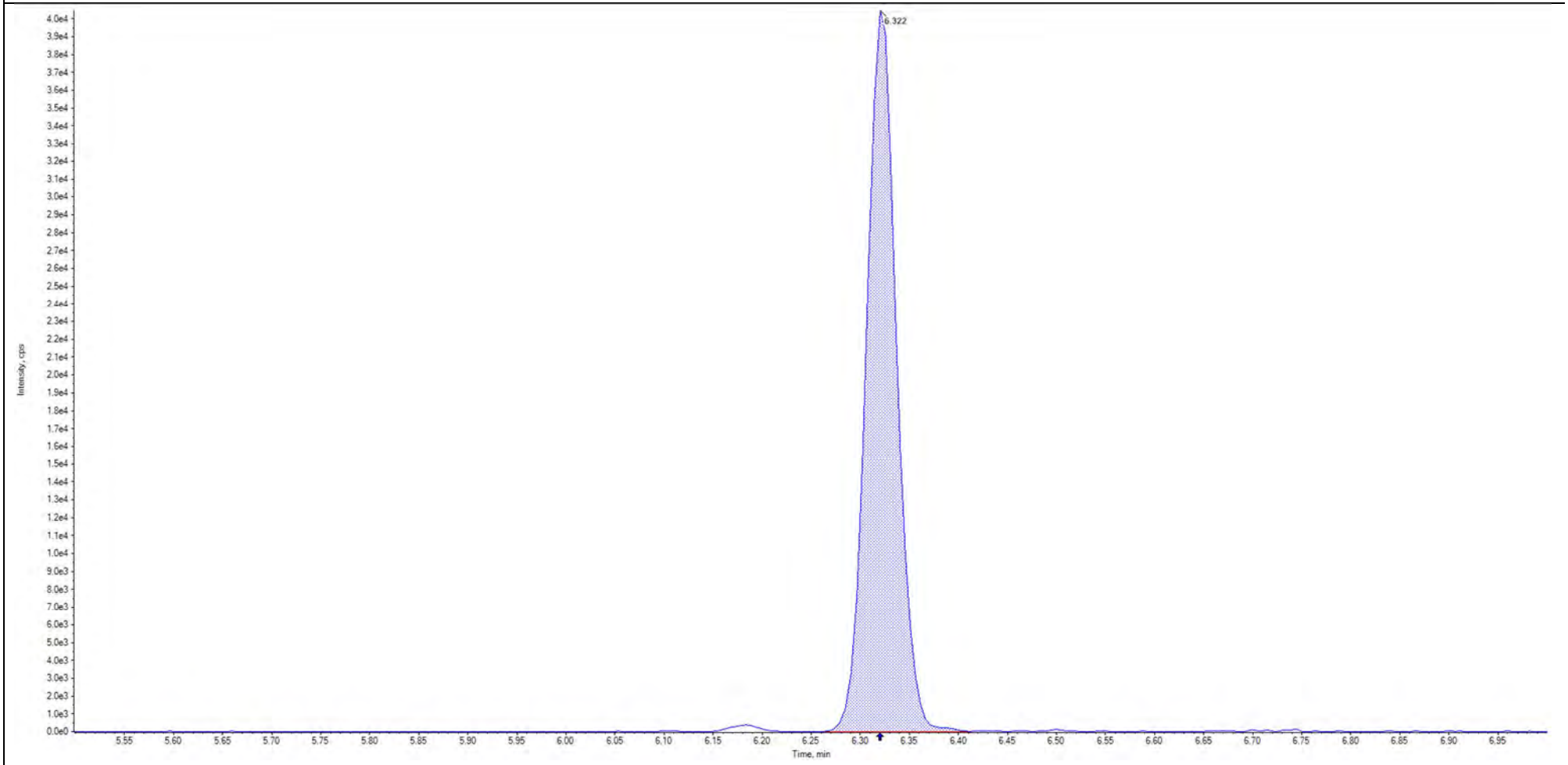
13C8-PFOSA
Sample: IA1633STD-25



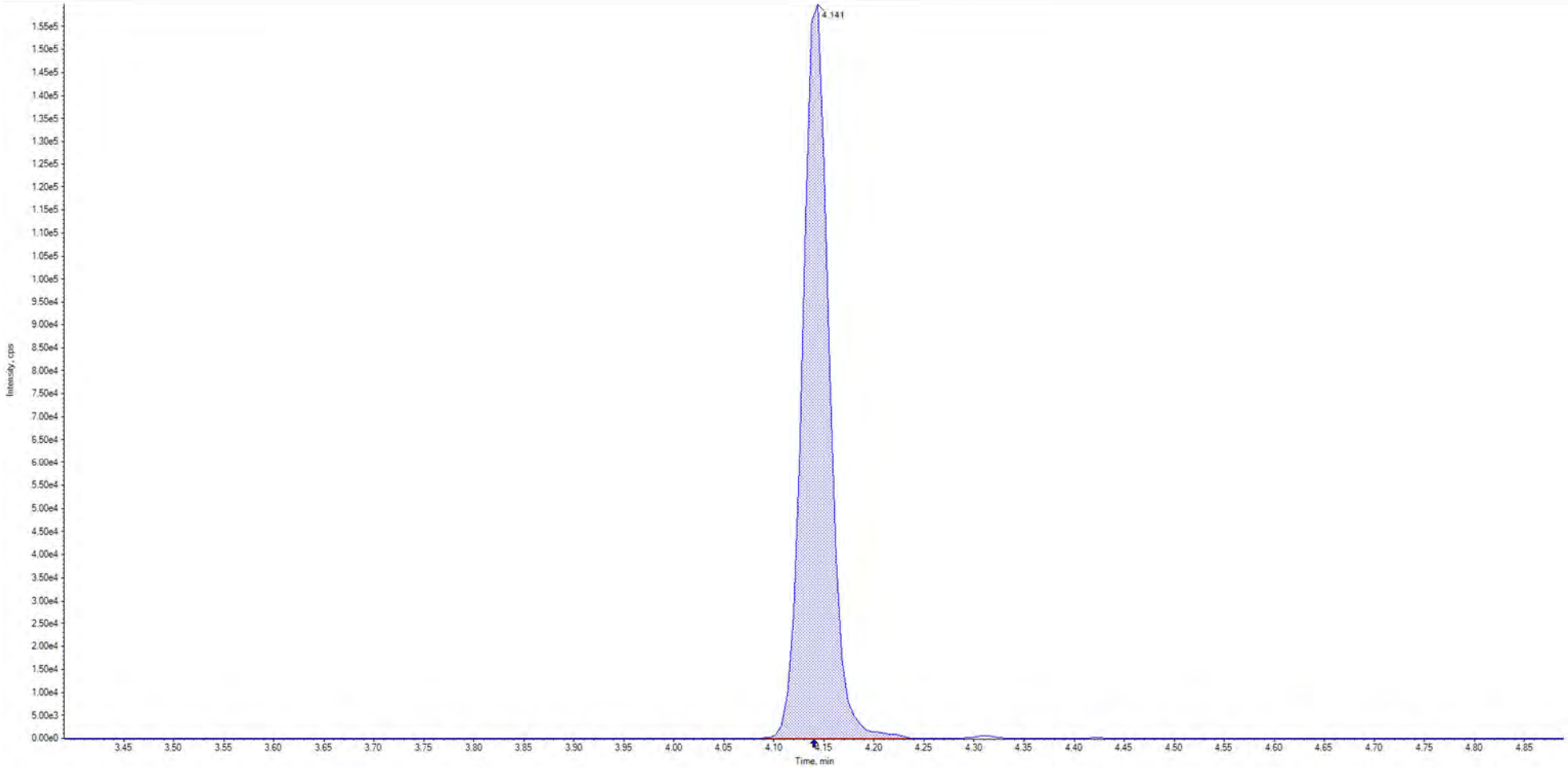
d3-NMeFOSA
Sample: IA1633STD-25



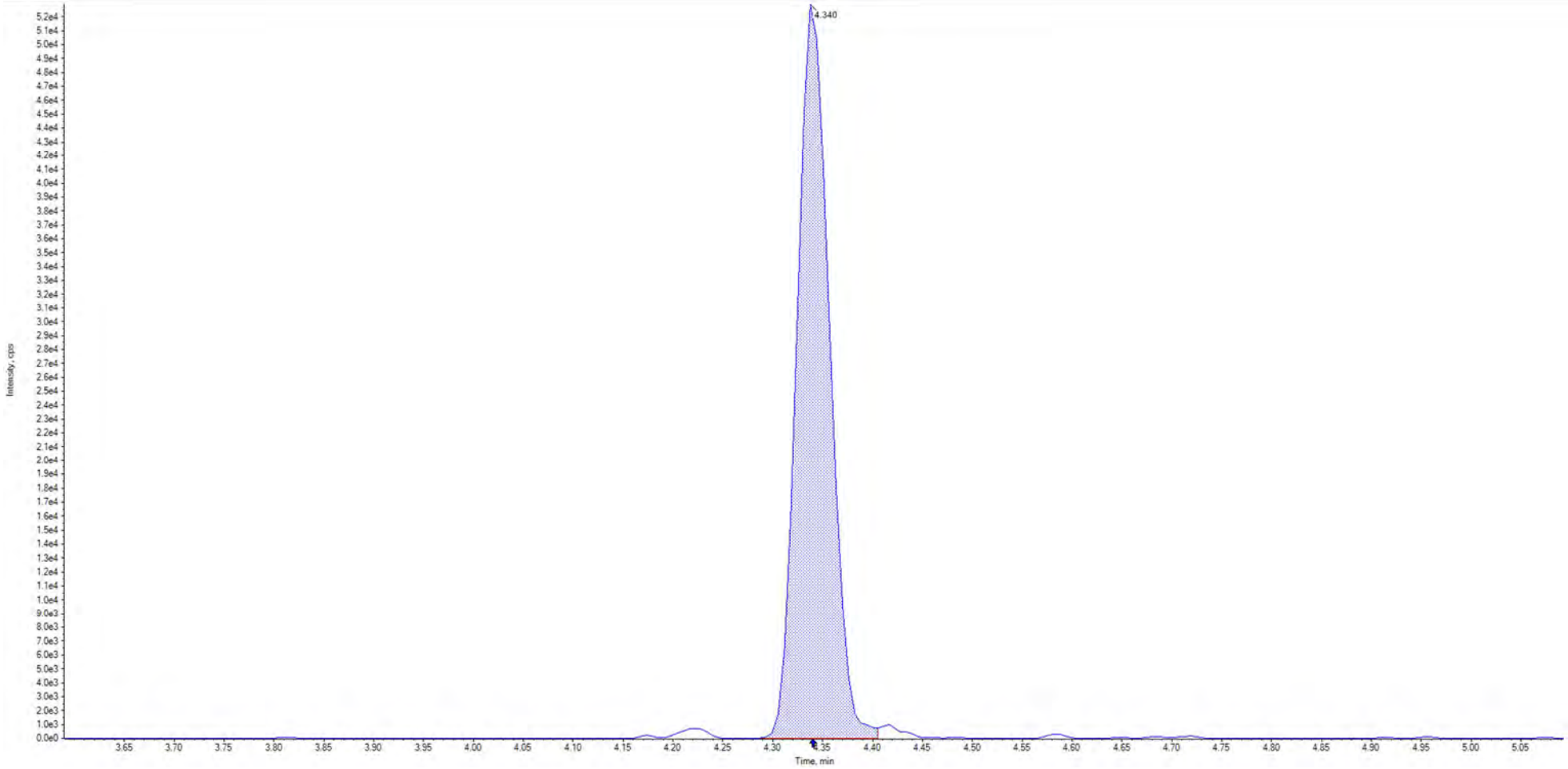
d5-NEtFOSA
Sample: IA1633STD-25



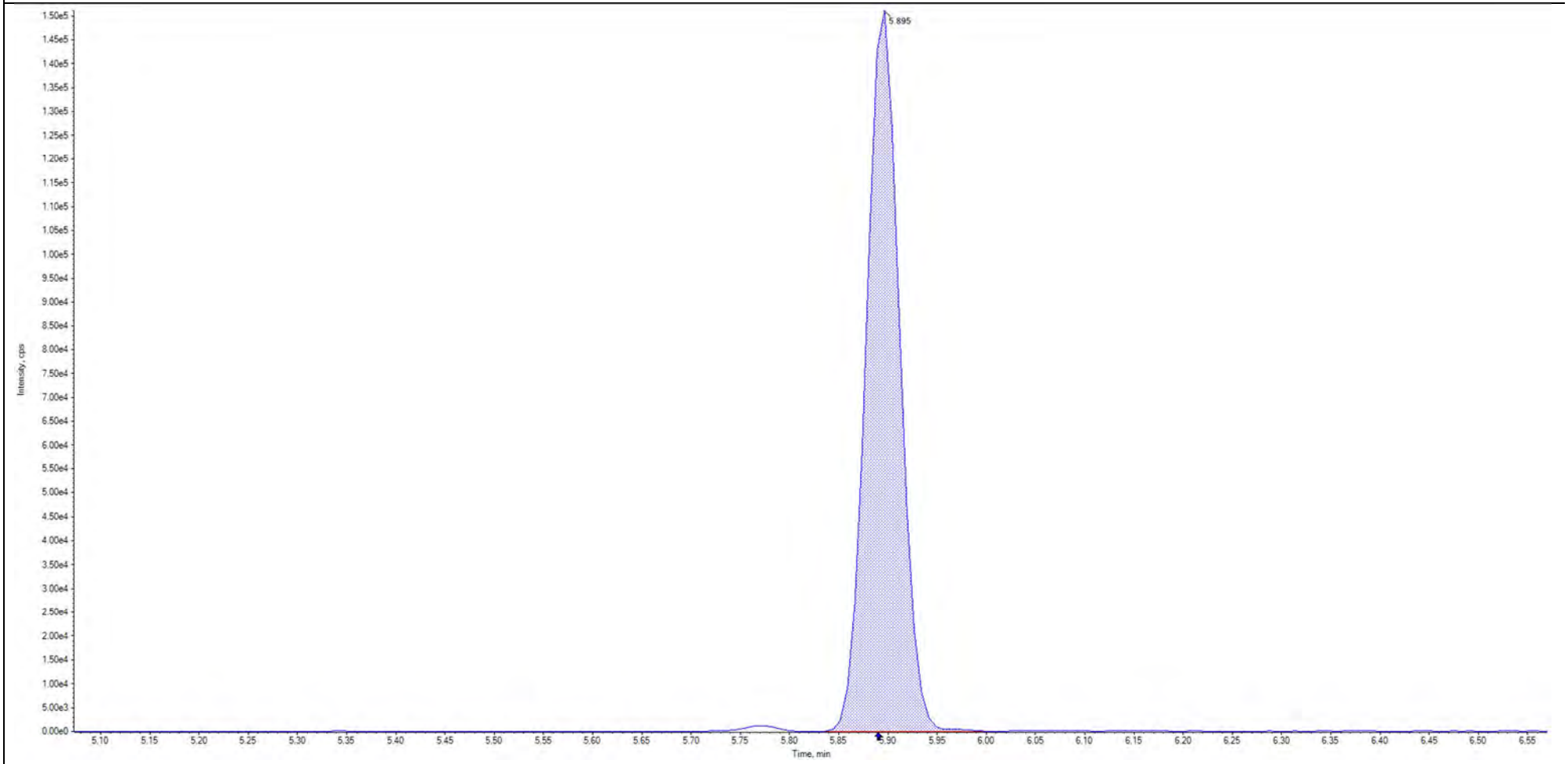
d3-NMeFOSAA
Sample: IA1633STD-25



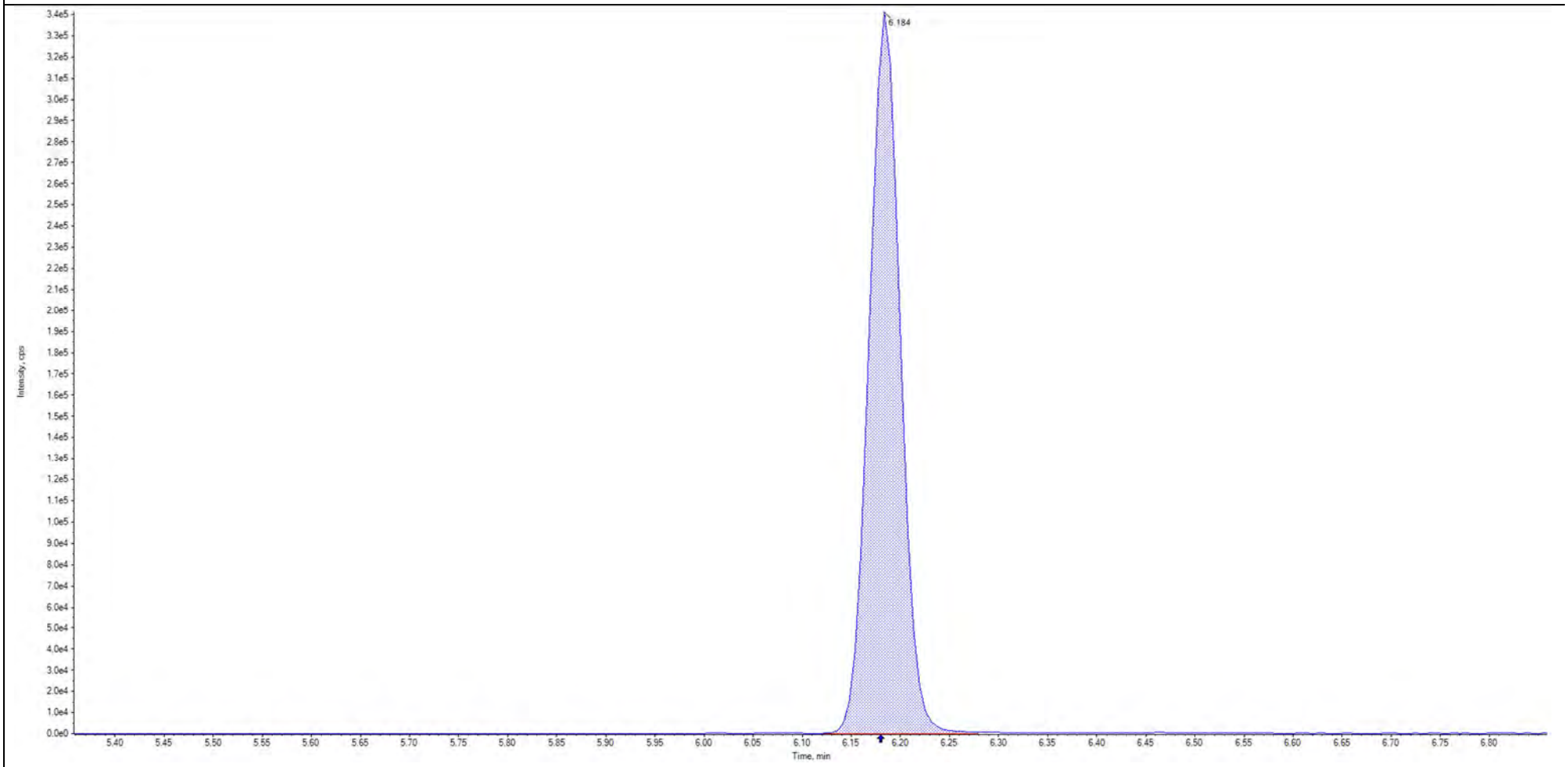
d5-NEtFOSAA
Sample: IA1633STD-25



d7-NMeFOSE
Sample: IA1633STD-25



d9-NEtFOSE
Sample: IA1633STD-25



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13C3-HFPO-DA
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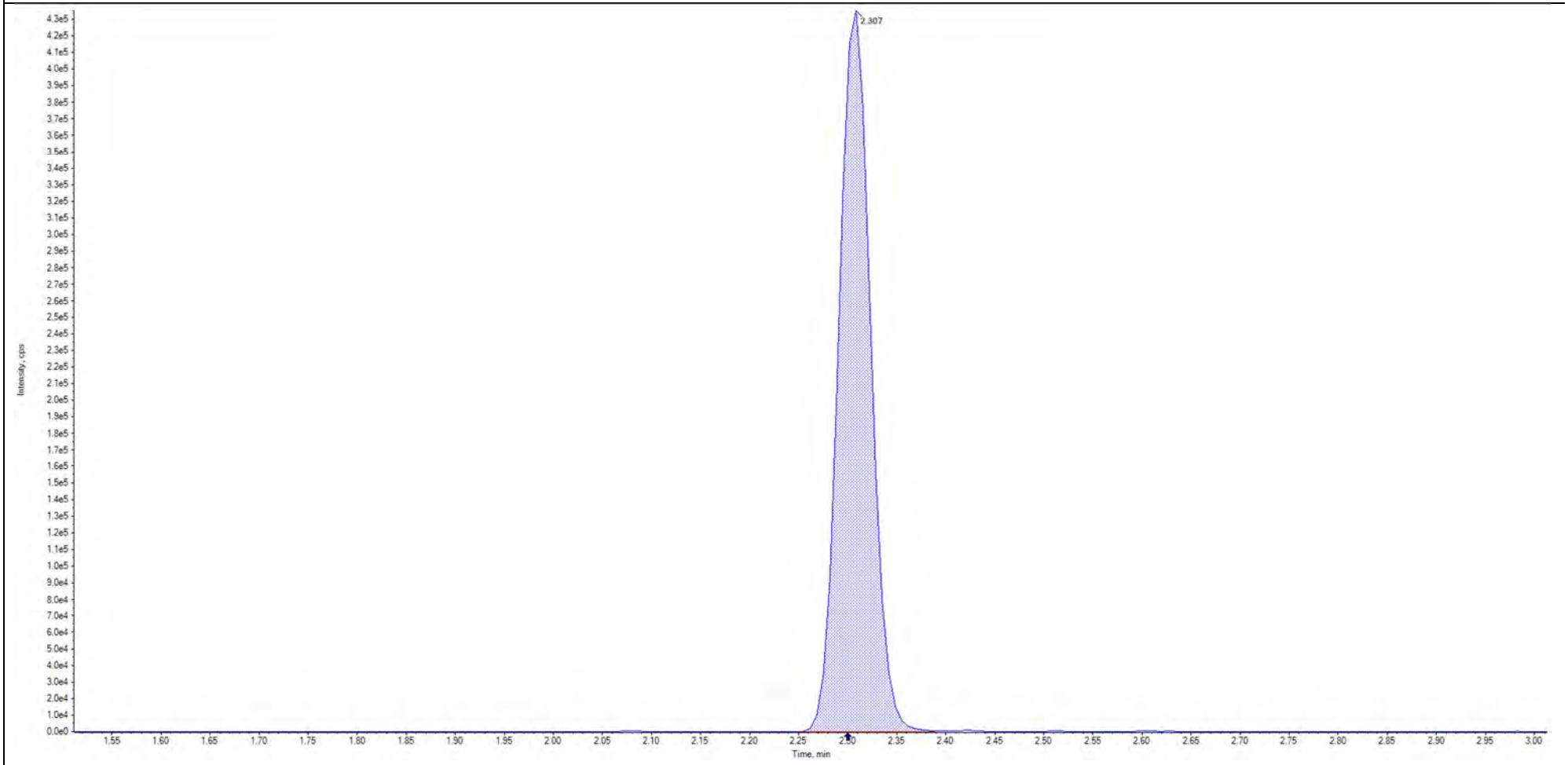

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13C3-PFBA
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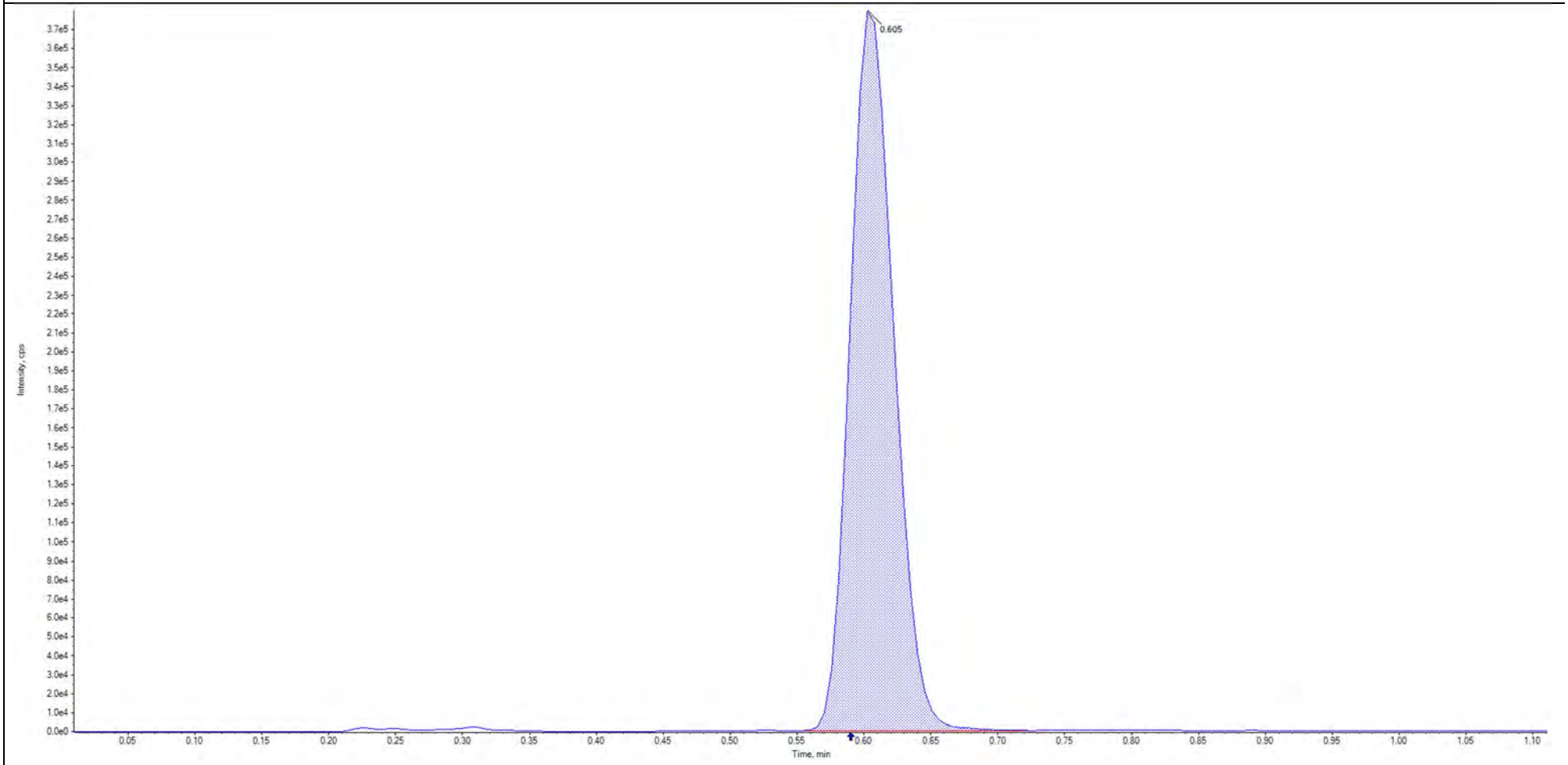

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13C2-PFHxA
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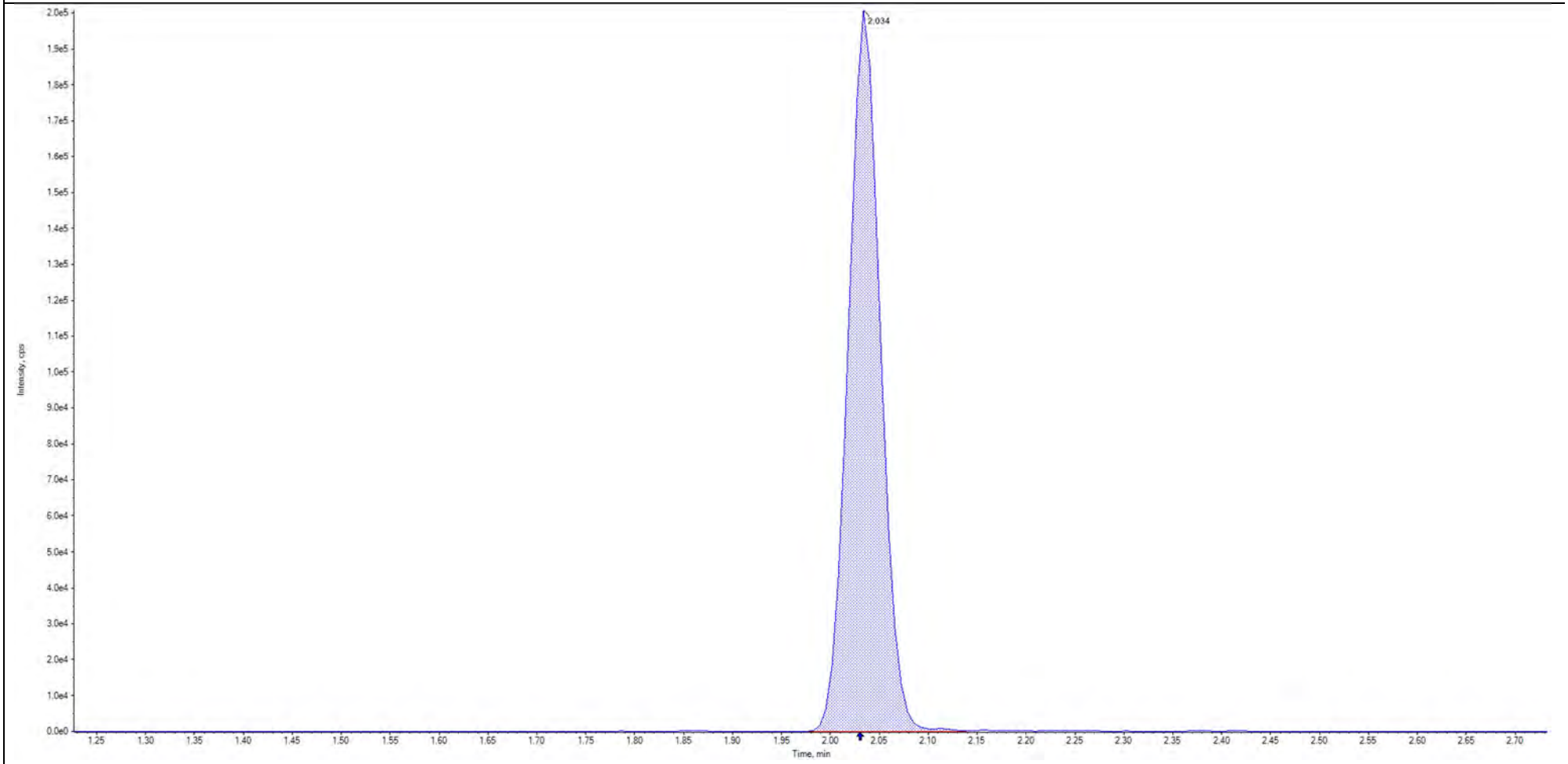

13C4-PFOA
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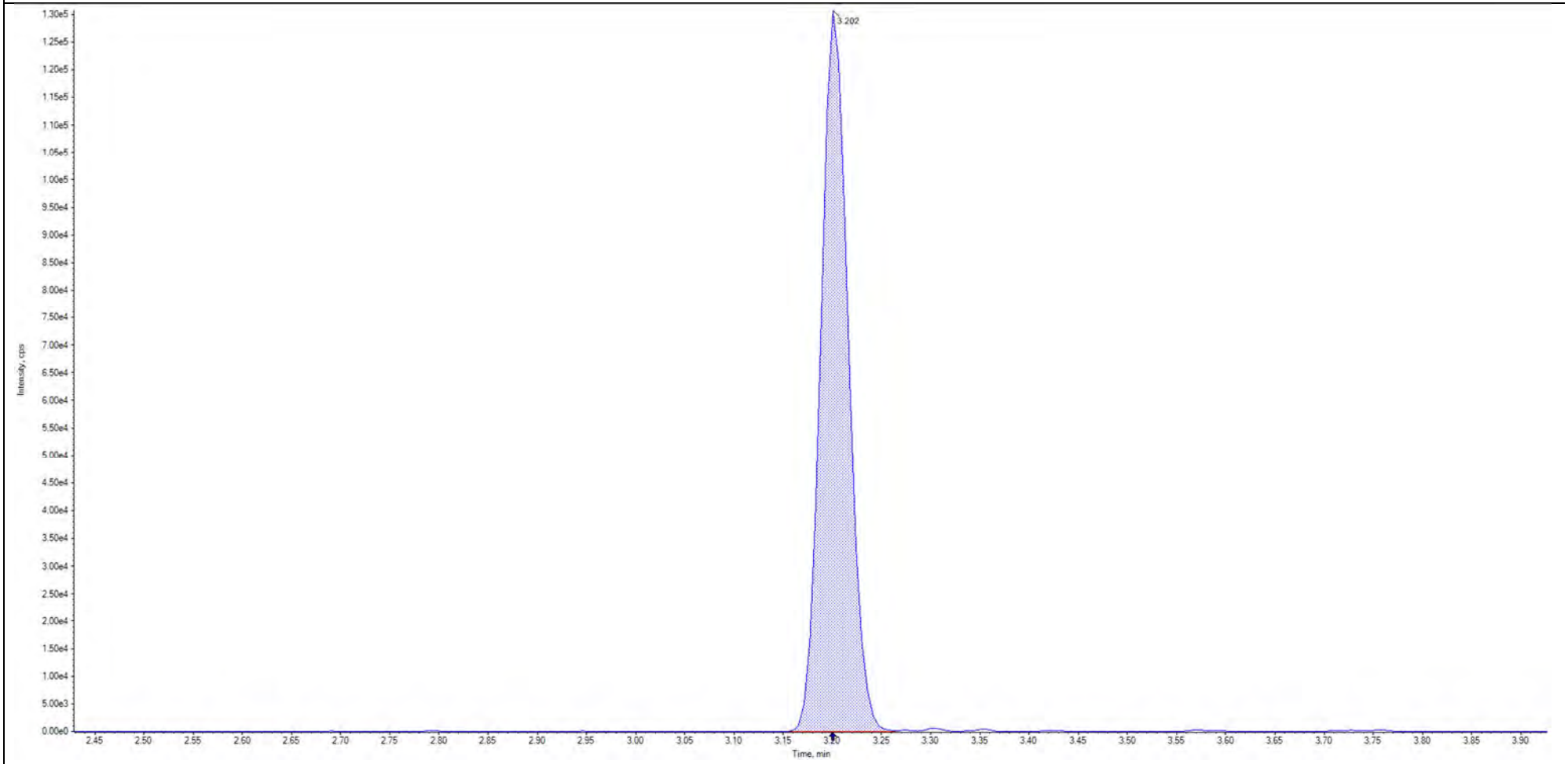

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13C5-PFNA
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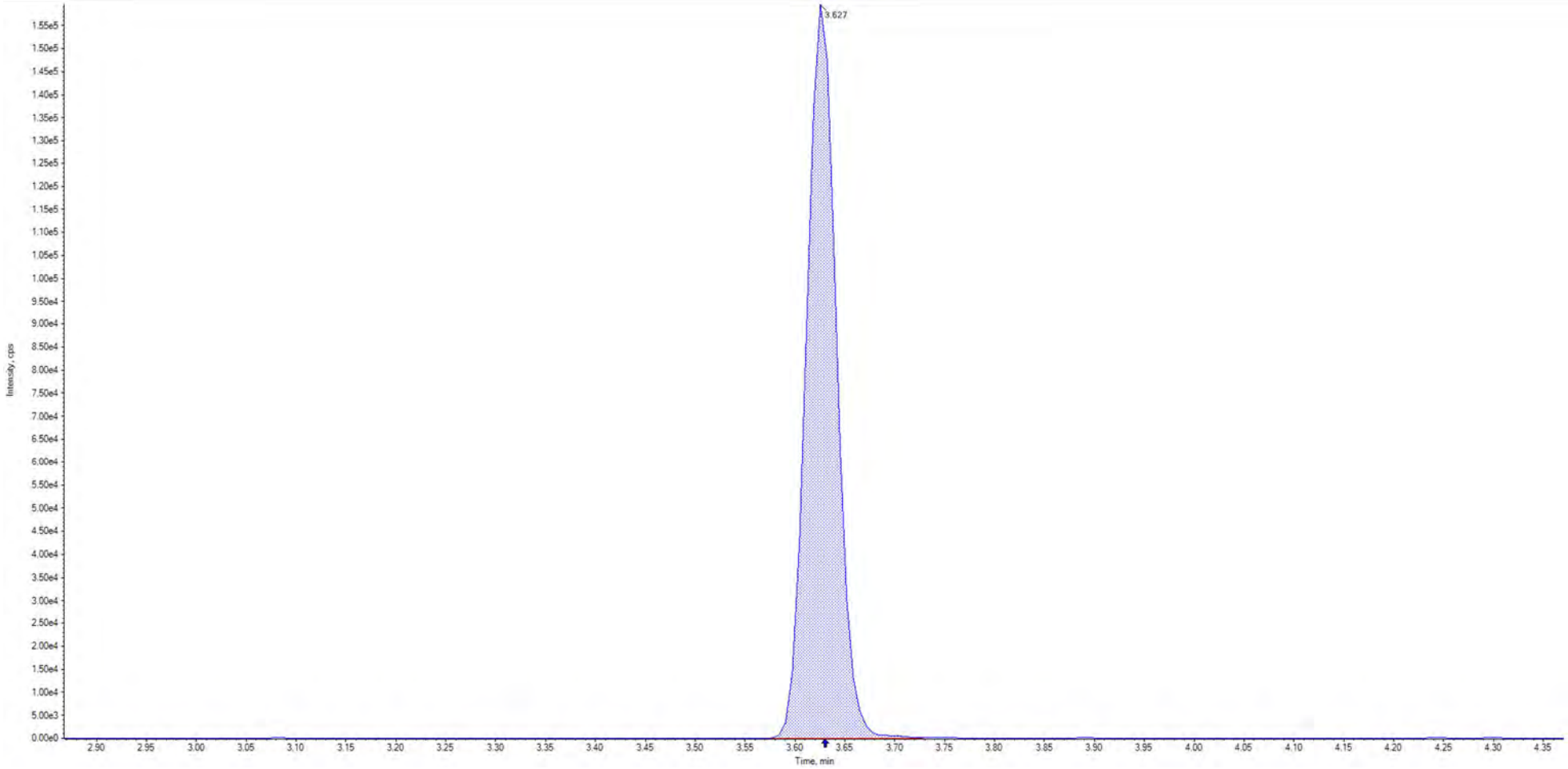

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13C2-PFDA
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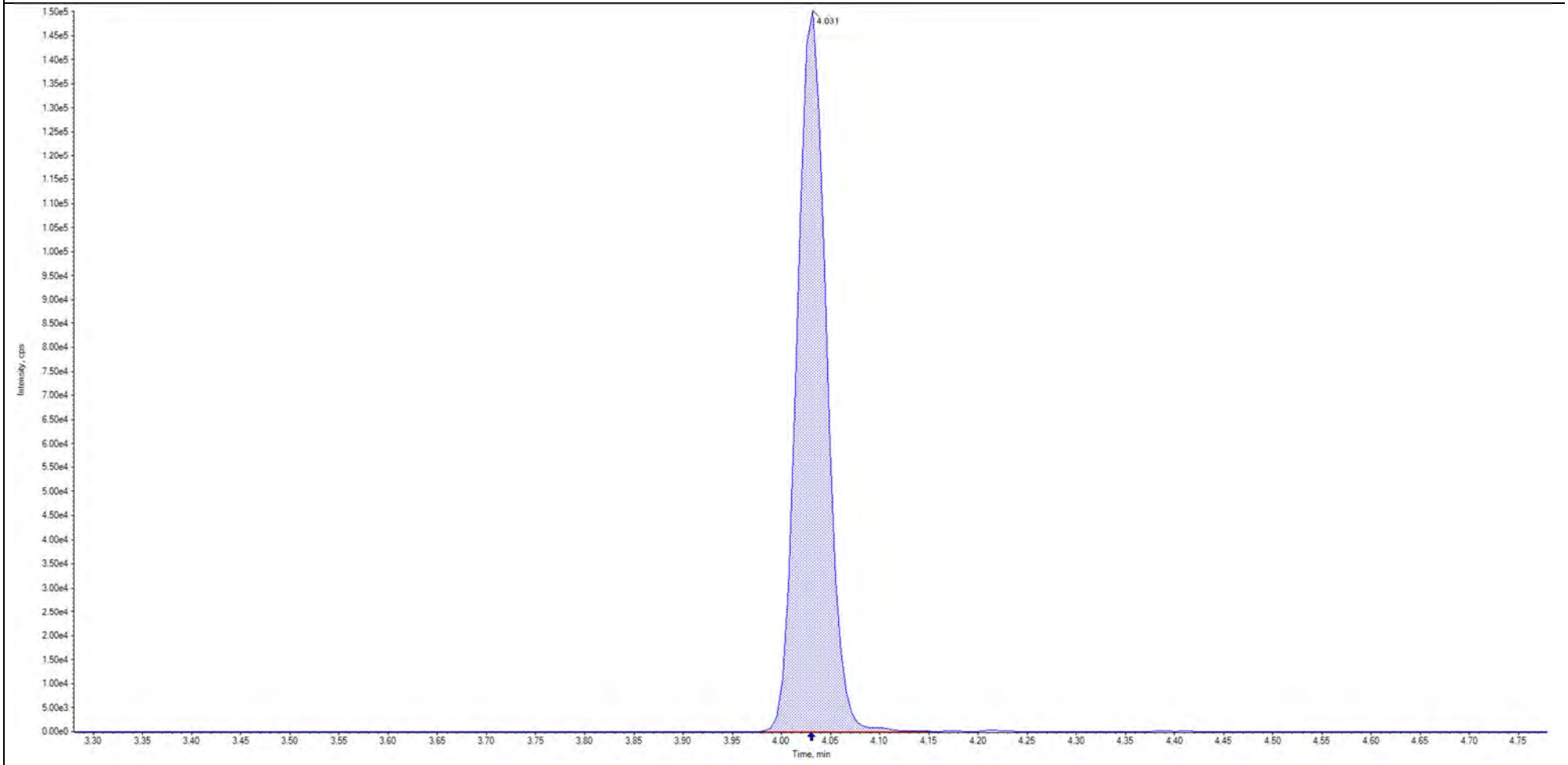

18O2-PFHxS
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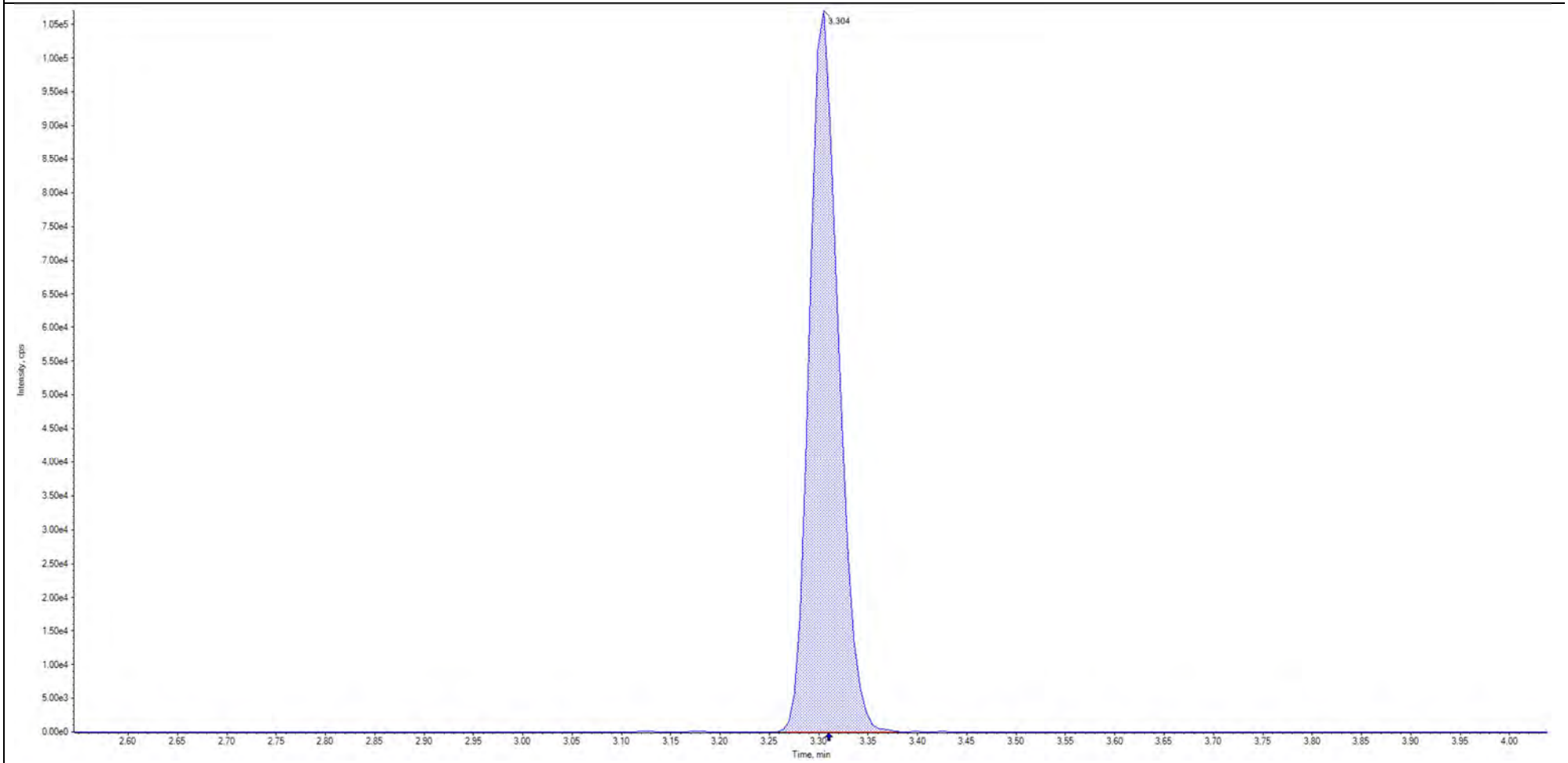

13C4-PFOS
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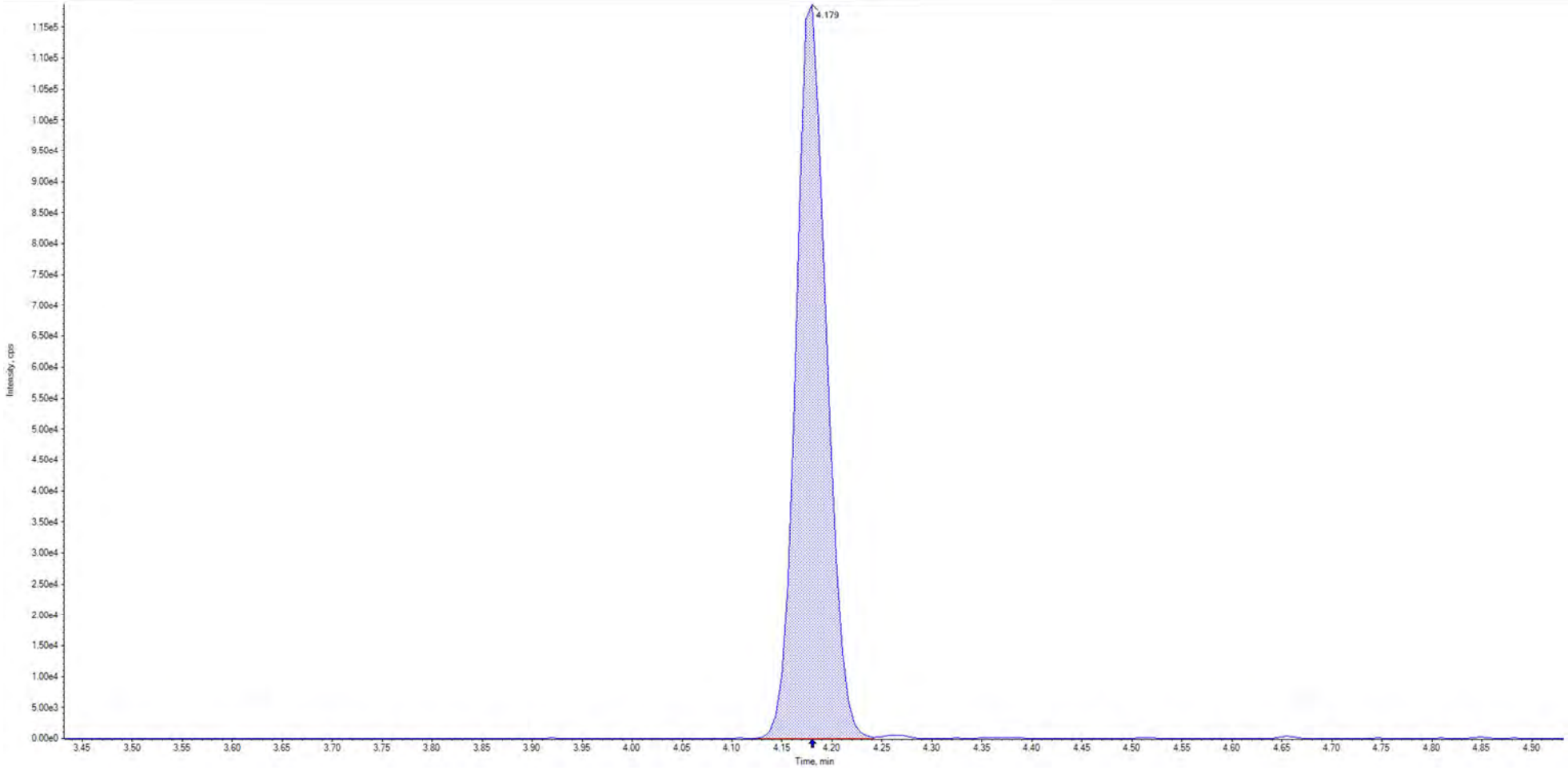

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User: LCMS07:AC

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	0.62	213.0 / 169.0	27563184		184.201	N/A	N/A	N/A	92.1
2	PFPeA	2706-90-3	1.21	263.0 / 219.0	12706824		98.339	0.007	N/A	N/A	98.3
3	PFPeA_2	2706-90-3	1.21	263.0 / 68.9	92910		96.879	0.007	N/A	N/A	96.9
4	PFHxA	307-24-4	2.05	313.0 / 269.0	10134669		48.047	0.078	0.067	Pass	96.1
5	PFHxA_2	307-24-4	2.05	313.0 / 119.0	791803		56.160	0.078	0.067	Pass	112.3
6	PFHpA	375-85-9	2.72	363.1 / 319.0	10302551		48.747	0.362	0.345	Pass	97.5
7	PFHpA_2	375-85-9	2.72	363.1 / 169.0	3731809		51.334	0.362	0.345	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	N/A	413.1 / 369.1	N/A		N/A	N/A	0.365	N/A	N/A
9	PFOA_2	335-67-1	N/A	413.1 / 169.0	N/A		N/A	N/A	0.365	N/A	N/A
10	PFNA	375-95-1	3.64	462.8 / 418.9	10020072		50.629	0.337	0.352	Pass	101.3
11	PFNA_2	375-95-1	3.64	462.8 / 219.0	3380401	M5	51.481	0.337	0.352	Pass	103.0
12	PFDA	335-76-2	4.04	513.1 / 469.1	10360707		52.868	0.190	0.185	Pass	105.7
13	PFDA_2	335-76-2	4.04	513.1 / 219.0	1963766		57.258	0.190	0.185	Pass	114.5
14	PFUnA	2058-94-8	4.43	563.1 / 519.1	9495844		47.769	0.183	0.166	Pass	95.5
15	PFUnA_2	2058-94-8	4.43	563.1 / 269.0	1738557		52.543	0.183	0.166	Pass	105.1
16	PFDoA	307-55-1	4.82	613.1 / 569.1	10282282		48.168	0.173	0.150	Pass	96.3
17	PFDoA_2	307-55-1	4.82	613.1 / 319.0	1775904		52.253	0.173	0.150	Pass	104.5
18	PFTrDA	72629-94-8	5.19	663.1 / 619.1	9250651		46.415	0.168	0.134	Pass	92.8
19	PFTrDA_2	72629-94-8	5.19	663.1 / 169.0	1557903		52.551	0.168	0.134	Pass	105.1
20	PFTeDA	376-06-7	5.55	713.1 / 669.1	8696607		47.447	0.169	0.150	Pass	94.9
21	PFTeDA_2	376-06-7	5.55	713.1 / 169.0	1467830		50.687	0.169	0.150	Pass	101.4
22	PFBS	375-73-5	2.04	299.1 / 80.1	6120907		46.203	0.381	0.341	Pass	104.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	2.04	299.1 / 99.1	2332732		49.608	0.381	0.341	Pass	111.7
24	PFPeS	2706-91-4	2.78	349.1 / 80.1	5860261		49.452	0.312	0.296	Pass	105.2
25	PFPeS_2	2706-91-4	2.78	349.1 / 99.1	1829372		52.581	0.312	0.296	Pass	111.9
26	PFHxS	355-46-4	3.31	399.1 / 80.1	5007963		47.959	0.295	0.298	Pass	105.2
27	PFHxS_2	355-46-4	3.31	399.1 / 99.1	1475493		48.543	0.295	0.298	Pass	106.5
28	PFHpS	375-92-8	3.77	449.1 / 80.1	5396247		49.572	0.283	0.277	Pass	104.1
29	PFHpS_2	375-92-8	3.77	449.1 / 99.1	1525062		48.065	0.283	0.277	Pass	101.0
30	PFOS	1763-23-1	4.19	499.1 / 80.1	6297534	M5	47.687	0.257	0.236	Pass	102.8
31	PFOS_2	1763-23-1	4.19	499.1 / 99.1	1616151		52.206	0.257	0.236	Pass	112.5
32	PFNS	68259-12-1	4.59	549.1 / 80.1	4551947		49.400	0.294	0.265	Pass	102.9
33	PFNS_2	68259-12-1	4.59	549.1 / 99.1	1336408		52.069	0.294	0.265	Pass	108.5
34	PFDS	335-77-3	4.98	599.1 / 80.1	4486580		50.893	0.291	0.275	Pass	105.6
35	PFDS_2	335-77-3	4.98	599.1 / 99.1	1305476		52.669	0.291	0.275	Pass	109.3
36	PFDoS	79780-39-5	5.71	699.2 / 80.1	4986136		51.922	0.262	0.245	Pass	107.3
37	PFDoS_2	79780-39-5	5.71	699.2 / 99.1	1305447		53.059	0.262	0.245	Pass	109.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	1.79	327.1 / 307.1	6221503		183.509	0.584	0.542	Pass	98.1
39	4:2FTS_2	757124-72-4	1.79	327.1 / 81.1	3633725		199.671	0.584	0.542	Pass	106.8
40	6:2FTS	27619-97-2	3.03	427.2 / 407.2	5132574		183.189	0.552	0.555	Pass	96.4
41	6:2FTS_2	27619-97-2	3.03	427.2 / 81.1	2833775		186.094	0.552	0.555	Pass	97.9
42	8:2FTS	39108-34-4	3.86	527.2 / 507.2	3990604		199.642	0.731	0.824	Pass	104.0
43	8:2FTS_2	39108-34-4	3.86	527.2 / 81.1	2915696		190.481	0.731	0.824	Pass	99.2
44	PFOSA	754-91-6	5.33	498.1 / 78.1	8268138	M5	51.864	0.032	0.029	Pass	103.7
45	PFOSA_2	754-91-6	5.33	498.1 / 478.0	260575	M5	55.879	0.032	0.029	Pass	111.8
46	NMeFOSA	31506-32-8	N/A	512.2 / 219.0	N/A		N/A	N/A	1.426	N/A	N/A
47	NMeFOSA_2	31506-32-8	N/A	512.2 / 169.0	N/A		N/A	N/A	1.426	N/A	N/A
48	NEtFOSA	4151-50-2	6.34	526.2 / 219.0	2312843		52.188	1.207	1.166	Pass	104.4
49	NEtFOSA_2	4151-50-2	6.31	526.2 / 169.0	2790512		53.122	1.207	1.166	Pass	106.2
50	NMeFOSAA	2355-31-9	4.15	570.2 / 419.1	1799263		51.358	0.721	0.729	Pass	102.7
51	NMeFOSAA_2	2355-31-9	4.15	570.2 / 483.0	1296370		53.346	0.721	0.729	Pass	106.7
52	NEtFOSAA	2991-50-6	4.35	584.2 / 419.1	1383555		51.985	0.472	0.453	Pass	104.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.35	584.2 / 526.2	652932		51.462	0.472	0.453	Pass	102.9
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	6.21	630.0 / 58.9	46523084		485.822	N/A	N/A	N/A	97.2
56	HFPO-DA	13252-13-6	2.31	285.0 / 169.0	18203180		180.875	0.784	0.892	Pass	90.4
57	HFPO-DA_2	13252-13-6	2.31	285.0 / 184.9	14272328		162.769	0.784	0.892	Pass	81.4
58	ADONA	919005-14-4	2.91	376.9 / 251.0	62566016		158.227	0.416	0.444	Pass	83.7
59	ADONA_2	919005-14-4	2.91	376.9 / 84.8	26042709		155.504	0.416	0.444	Pass	82.3
60	9Cl-PF3ONS	756426-58-1	4.47	530.8 / 351.1	49151523		155.159	0.352	0.359	Pass	83.0
61	9Cl-PF3ONS_2	756426-58-1	4.47	532.8 / 353.0	17324271		157.046	0.352	0.359	Pass	84.0
62	11Cl-PF3OUdS	763051-92-9	5.24	630.9 / 451.0	38255343		155.276	0.358	0.348	Pass	82.2
63	11Cl-PF3OUdS_2	763051-92-9	5.24	632.9 / 452.9	13698947		163.218	0.358	0.348	Pass	86.4
64	3:3FTCA	356-02-5	1.61	241.1 / 177.1	4222437		283.117	0.722	0.698	Pass	113.3
65	3:3FTCA_2	356-02-5	1.61	241.1 / 117.0	3047691		280.114	0.722	0.698	Pass	112.1
66	5:3FTCA	914637-49-3	3.21	341.1 / 237.1	53701489		1154.378	0.944	0.979	Pass	92.4
67	5:3FTCA_2	914637-49-3	3.21	341.1 / 217.0	50689264		1105.206	0.944	0.979	Pass	88.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	4.20	441.1 / 316.9	32332357		1532.808	1.656	2.144	Pass	122.6
69	7:3FTCA_2	812-70-4	4.20	441.1 / 337.1	53554205		1247.106	1.656	2.144	Pass	99.8
70	PFEESA	113507-82-7	2.42	315.1 / 135.0	33847197		83.227	0.086	0.077	Pass	93.3
71	PFEESA_2	113507-82-7	2.42	315.1 / 82.9	2925827		90.055	0.086	0.077	Pass	101.0
72	PFMPA	377-73-1	0.77	229.0 / 85.0	14333499		114.899	N/A	N/A	N/A	114.9
73	PFMBA	863090-89-5	1.49	279.0 / 85.0	15295248		96.300	N/A	N/A	N/A	96.3
74	NFDHA	151772-58-6	1.95	295.0 / 201.0	10844332		101.970	0.612	0.632	Pass	102.0
75	NFDHA_2	151772-58-6	1.95	295.0 / 84.9	6632443		96.938	0.612	0.632	Pass	96.9
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	4.812	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	4.812	N/A	N/A
78	13C2D4-4:2FTS	Surr	1.78	333.2 / 312.1	134165		5.679	N/A	N/A	N/A	113.6
79	13C2-PFOA	Surr	3.20	415.0 / 370.0	310476		2.448	N/A	N/A	N/A	97.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.61	217.0 / 172.0	1640874		10.363	NA	NA	NA	103.6

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C5-PFPeA	EIS	1.20	268.0 / 223.0	621624		4.795	NA	NA	NA	95.9
13C5-PFHxA	EIS	2.04	318.0 / 273.0	292816		2.440	NA	NA	NA	97.6
13C4-PFHpA	EIS	2.71	367.0 / 322.0	528738		2.429	NA	NA	NA	97.2
13C8-PFOA	EIS	N/A	420.8 / 376.0	N/A		N/A	NA	NA	NA	N/A
13C9-PFNA	EIS	3.63	472.0 / 427.0	311816		1.311	NA	NA	NA	104.9
13C6-PFDA	EIS	4.04	519.0 / 474.0	288559		1.184	NA	NA	NA	94.7
13C7-PFUnA	EIS	4.43	570.0 / 525.0	318156		1.267	NA	NA	NA	101.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.81	615.1 / 570.0	305671		1.315	NA	NA	NA	105.2
	13C2-PFTeDA	EIS	5.55	715.1 / 670.1	204363		1.327	NA	NA	NA	106.2
	13C3-PFBS	EIS	2.04	302.1 / 80.1	287653		2.286	NA	NA	NA	98.1
	13C3-PFHxS	EIS	3.31	402.1 / 80.1	247837		2.306	NA	NA	NA	97.3
	13C8-PFOS	EIS	4.18	507.1 / 80.1	297594		2.606	NA	NA	NA	108.6
	13C2-4:2FTS	EIS	1.79	329.1 / 81.1	86036		5.367	NA	NA	NA	114.4
	13C2-6:2FTS	EIS	3.03	429.2 / 81.1	71631		5.478	NA	NA	NA	115.1
	13C2-8:2FTS	EIS	3.86	529.2 / 81.1	83573		5.425	NA	NA	NA	113.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	5.33	506.1 / 78.1	564454		3.008	NA	NA	NA	120.3
	d3-NMeFOSA	EIS	N/A	515.2 / 219.0	N/A		N/A	NA	NA	NA	N/A
	d5-NEtFOSA	EIS	6.33	531.2 / 219.0	89474		3.092	NA	NA	NA	123.7
	d3-NMeFOSAA	EIS	4.15	573.2 / 419.1	252170		5.328	NA	NA	NA	106.6
	d5-NEtFOSAA	EIS	4.35	589.3 / 419.1	126896		6.302	NA	NA	NA	126.0
	d7-NMeFOSE	EIS	N/A	623.2 / 58.9	N/A		N/A	NA	NA	NA	N/A
	d9-NEtFOSE	EIS	6.19	639.2 / 58.9	769229		31.974	NA	NA	NA	127.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.31	287.0 / 169.0	995337		11.075	NA	NA	NA	110.7
	13C3-PFBA	NIS	0.61	216.0 / 172.0	710023		3.616	NA	NA	NA	72.3
	13C2-PFHxA	NIS	2.04	315.0 / 270.0	462327		2.376	NA	NA	NA	95.0
	13C4-PFOA	NIS	3.20	417.0 / 372.0	263969		3.128	NA	NA	NA	125.1
	13C5-PFNA	NIS	3.63	468.0 / 423.0	310571		1.107	NA	NA	NA	88.5
	13C2-PFDA	NIS	4.04	515.1 / 470.1	285631		1.108	NA	NA	NA	88.6
	18O2-PFHxS	NIS	3.31	403.1 / 84.1	212255		2.131	NA	NA	NA	89.9
	13C4-PFOS	NIS	4.18	503.1 / 80.1	209200		1.917	NA	NA	NA	79.9

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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Last Altered: 3/1/2025 7:32:04 AM
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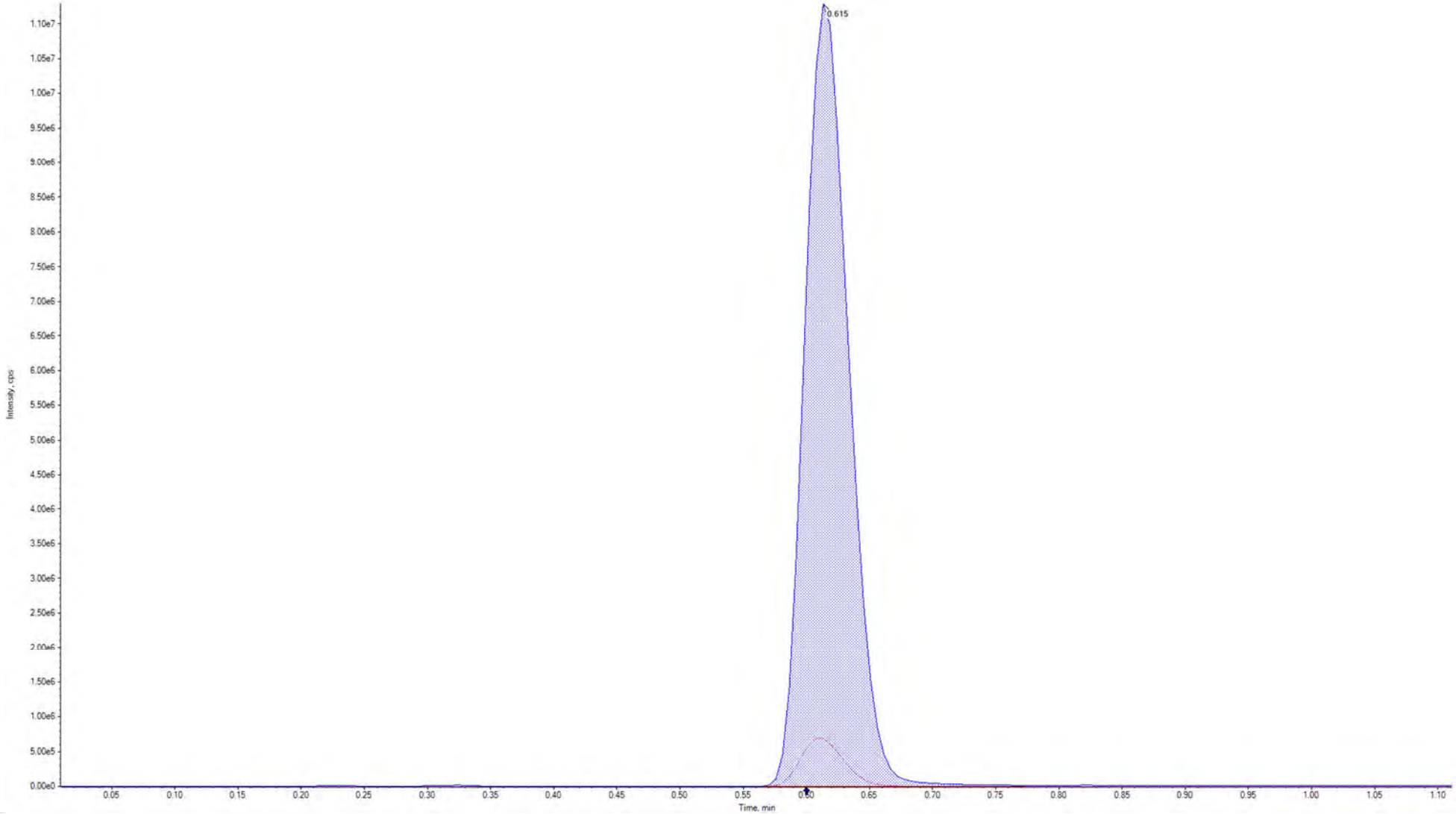
	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec

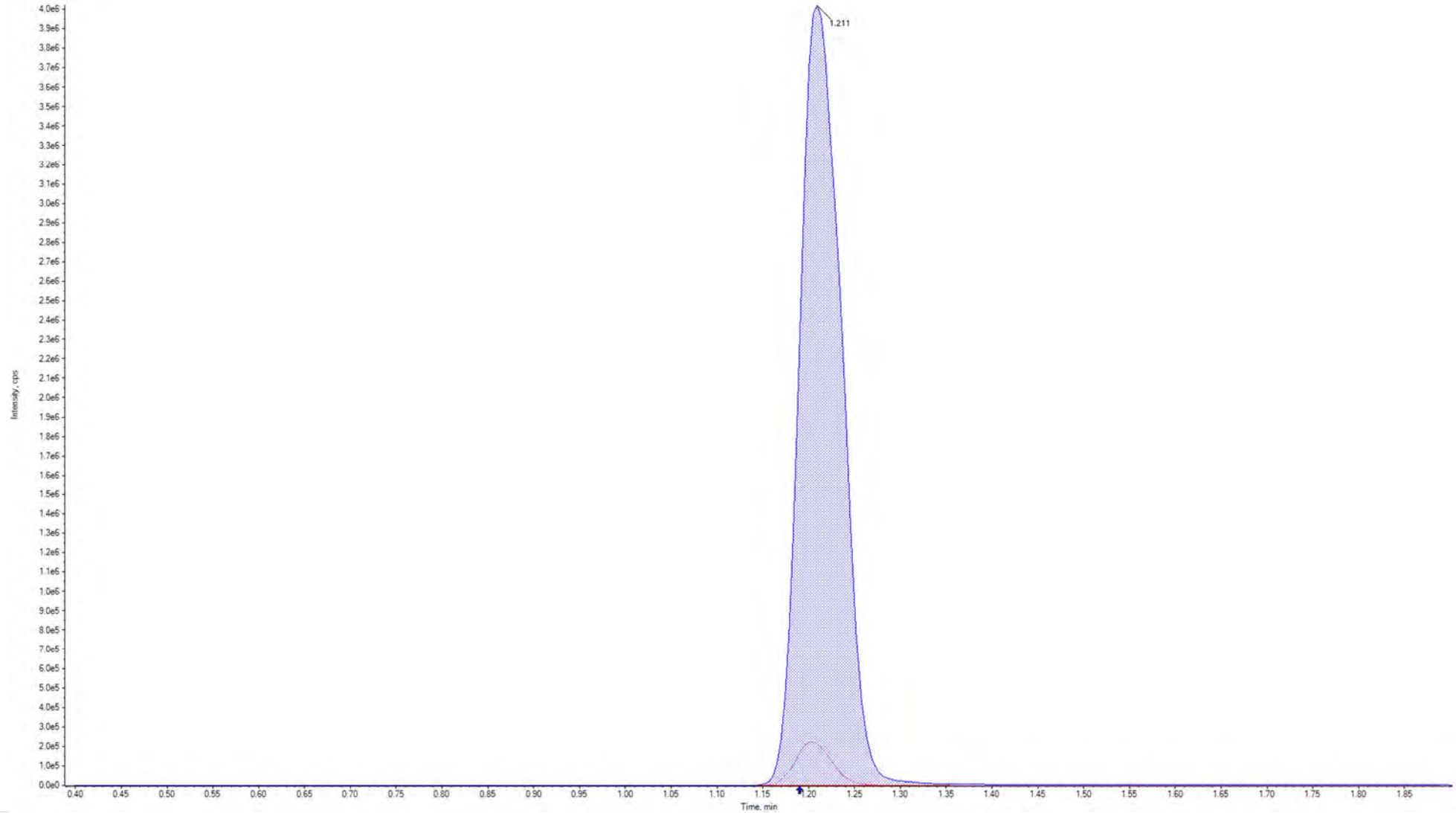
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_32.wiff2_7
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFBA
Sample: IA1633STD-50 S/N:3919.7 Points Across peak:40



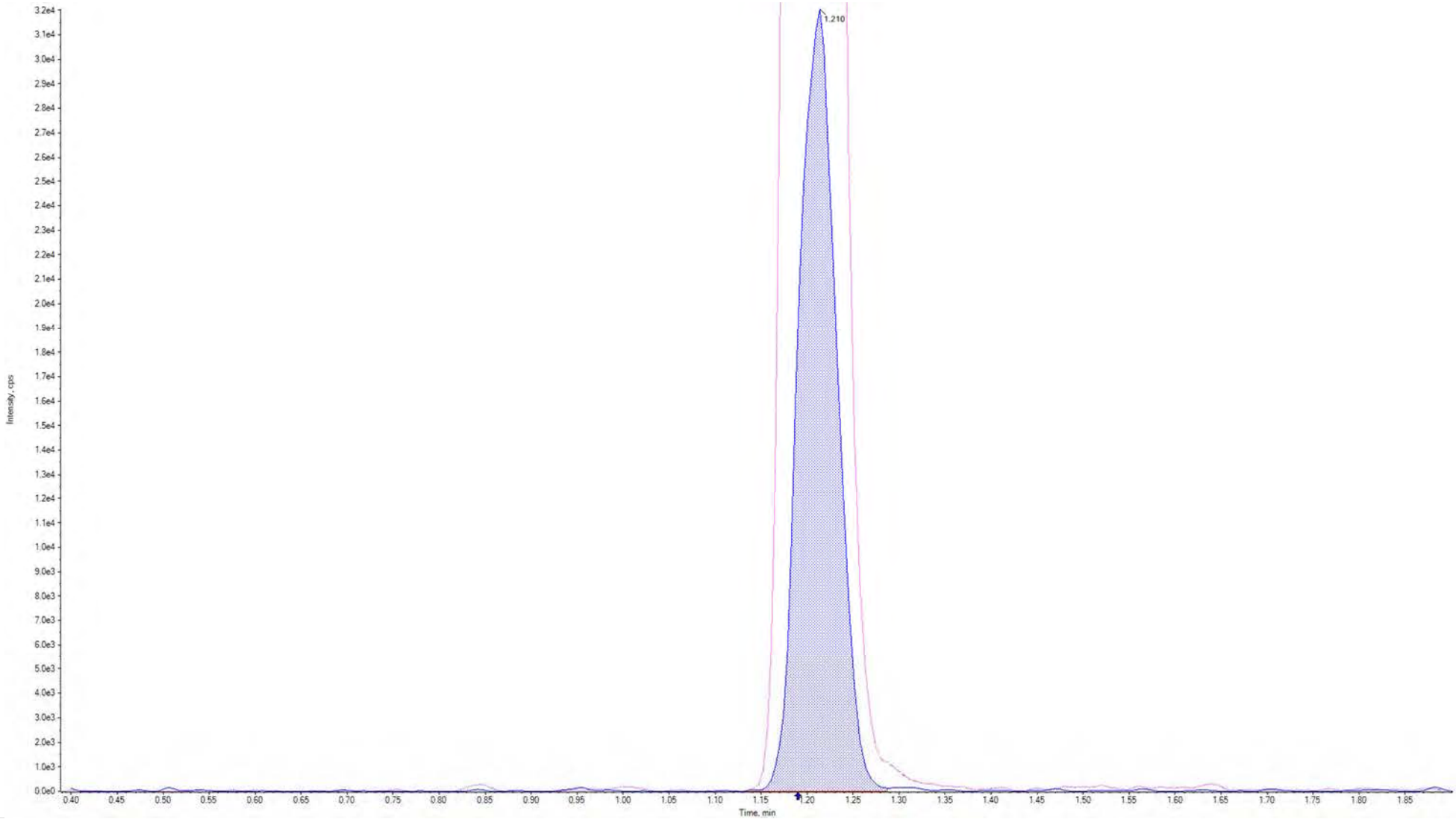
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_32.wiff2_7
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFPeA
Sample: IA1633STD-50 S/N:17281.1 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\250228\SCI07_250228_32.wiff2_7
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFPeA_2
Sample: IA1633STD-50 S/N:1525.9 Points Across peak:35



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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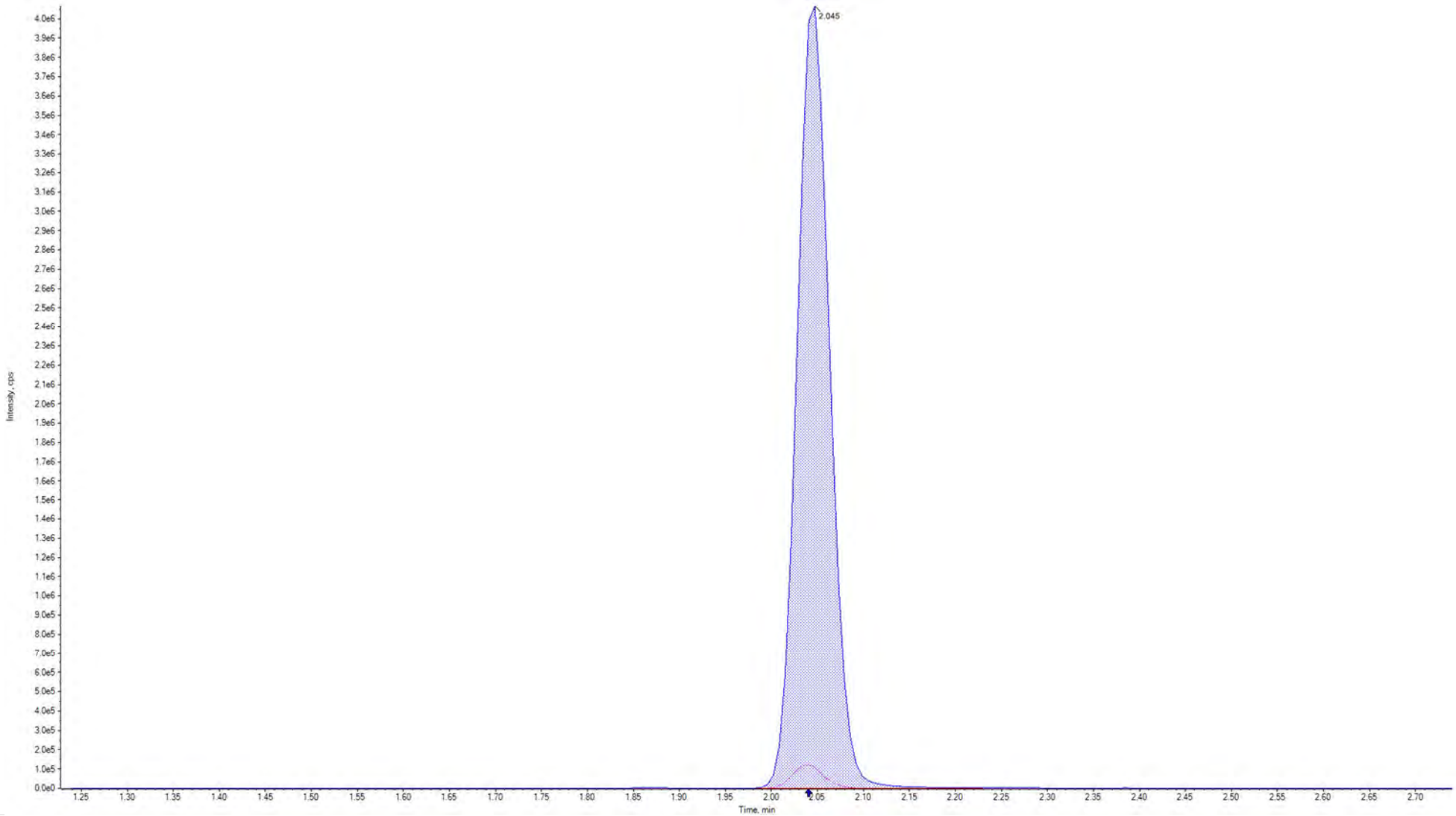
PFHxA
Sample: IA1633STD-50 S/N:38369.5 Points Across peak:42



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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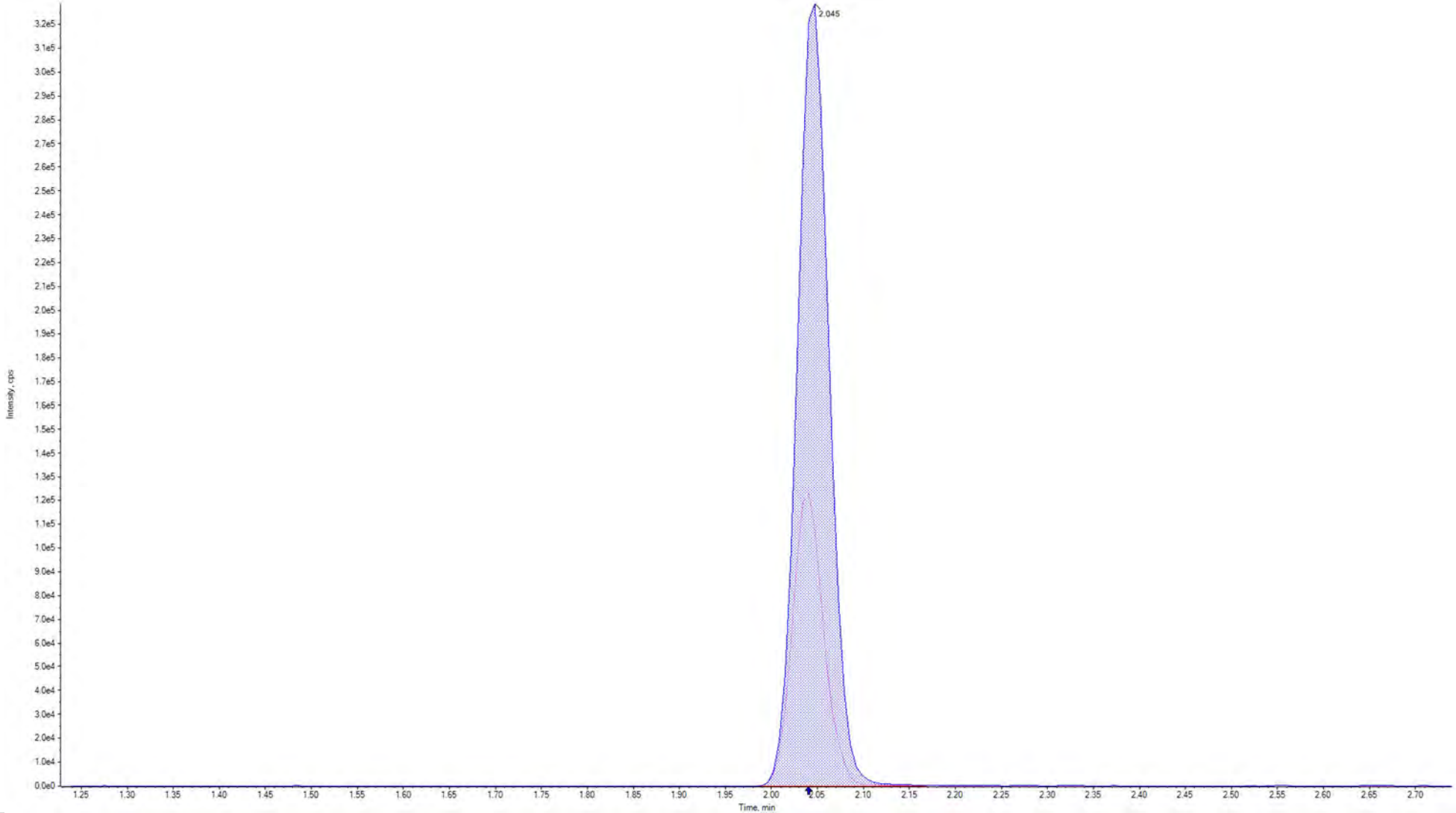
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFHxA_2
Sample: IA1633STD-50 S/N:6586.1 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\250228\SCI07_250228_32.wiff2_7
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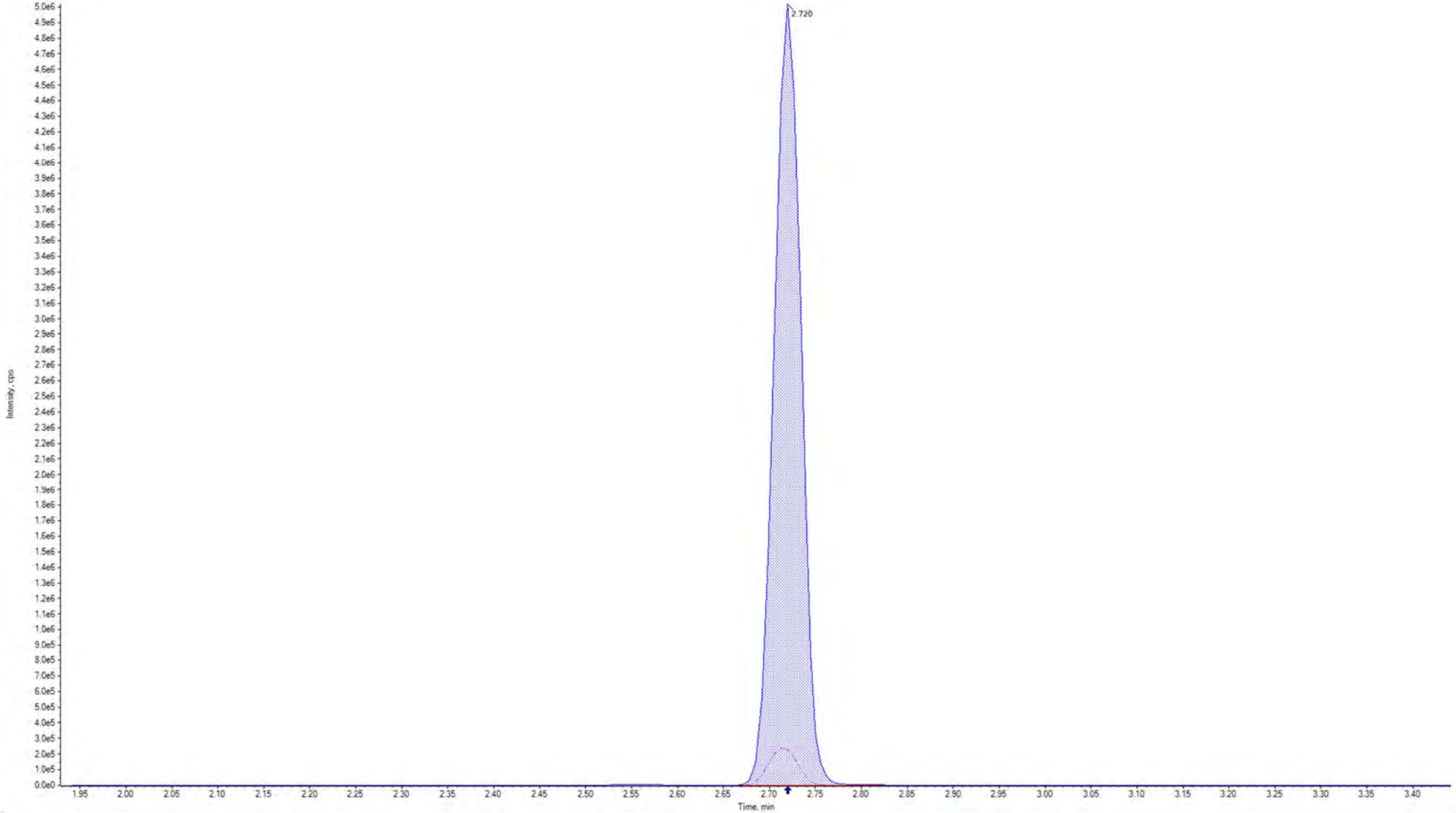
Generated: 2/28/2025 12:43:00 PM

PFHpA
Sample: IA1633STD-50 S/N:47713.2 Points Across peak:39



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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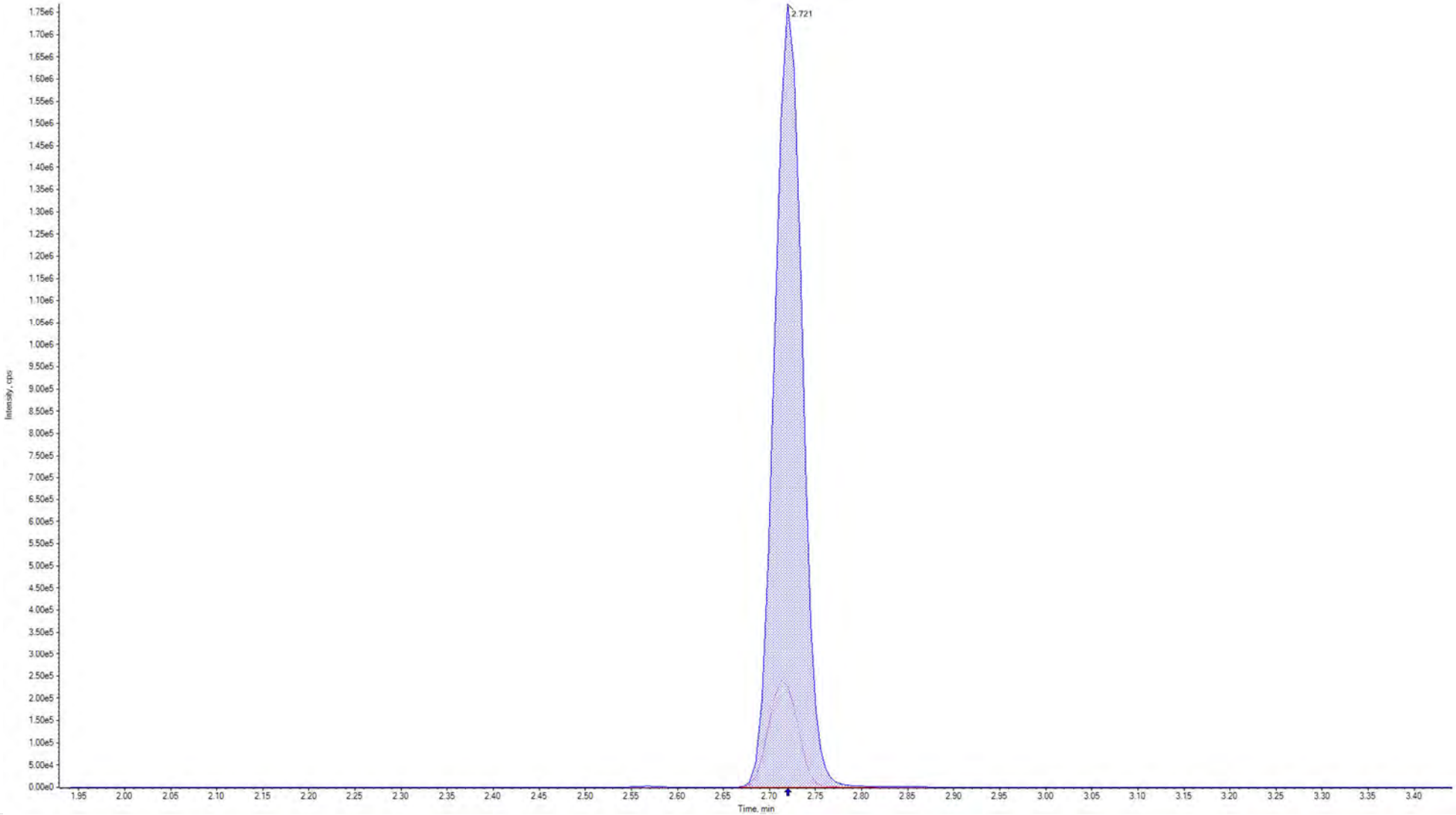
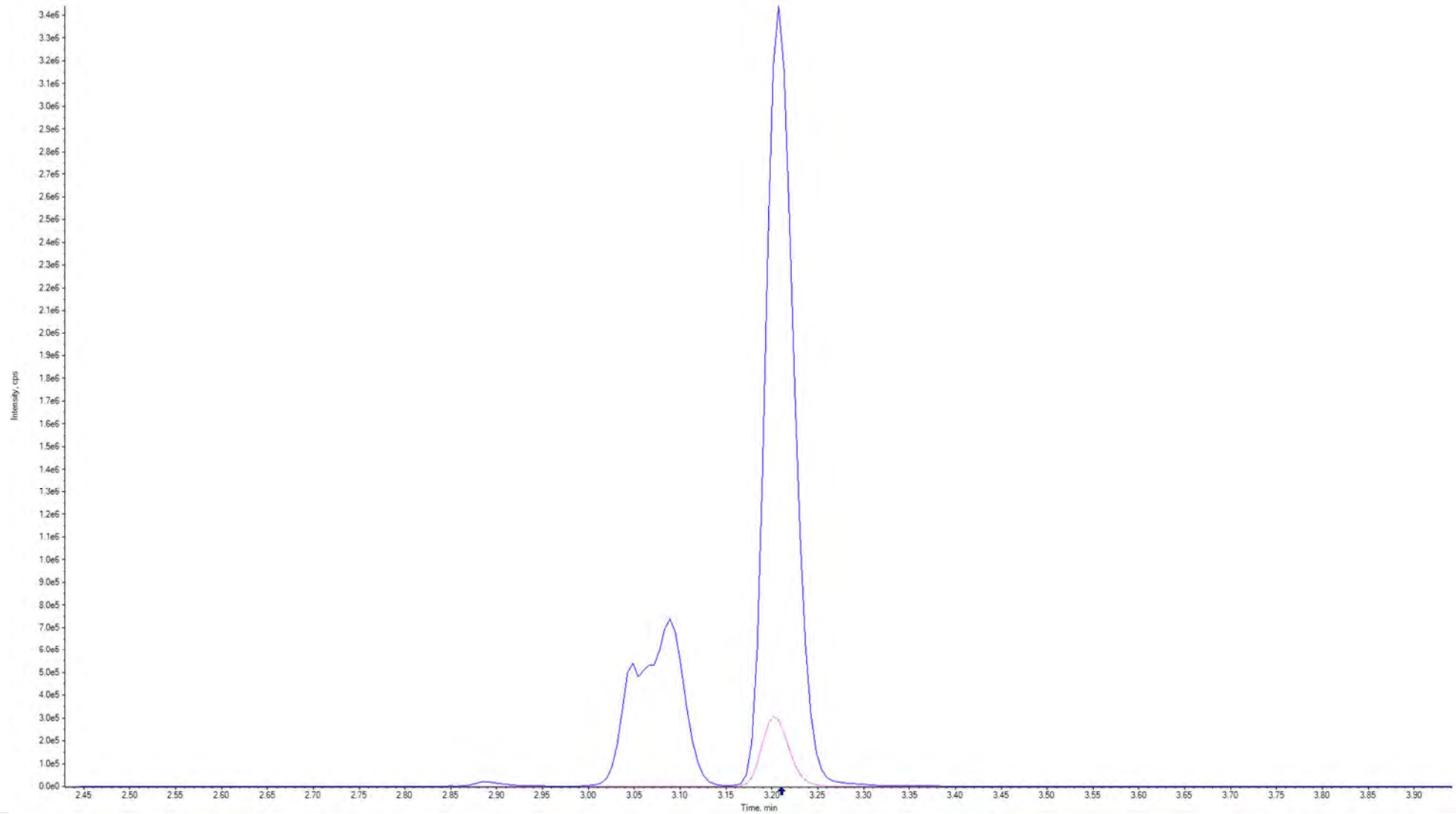
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFHpA_2
Sample: IA1633STD-50 S/N:5353.0 Points Across peak:27



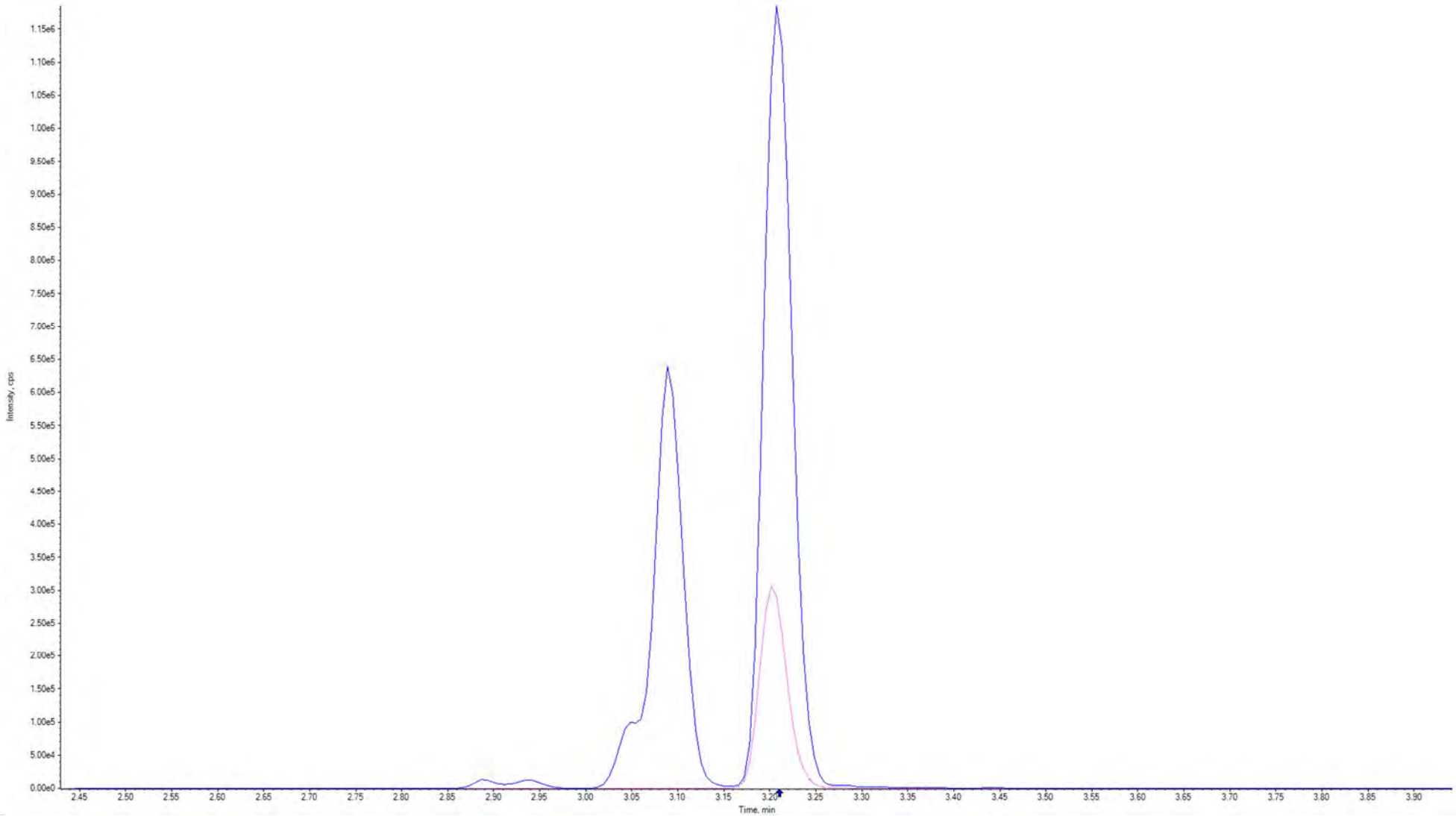
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_32.wiff2_7
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFOA
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\250228\SCI07_250228_32.wiff2_7
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFOA_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
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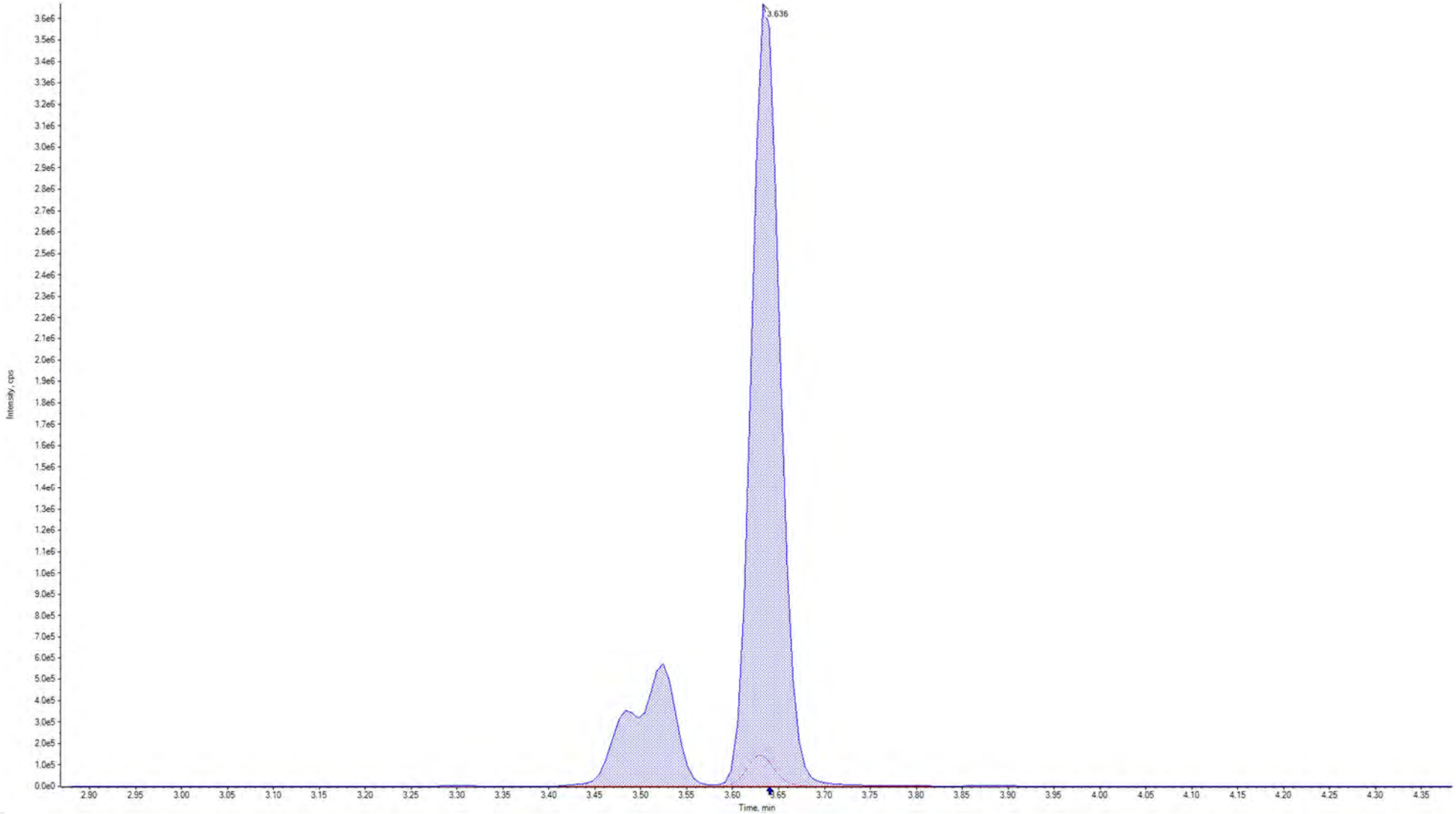
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFNA
Sample: IA1633STD-50 S/N:1979.9 Points Across peak:64



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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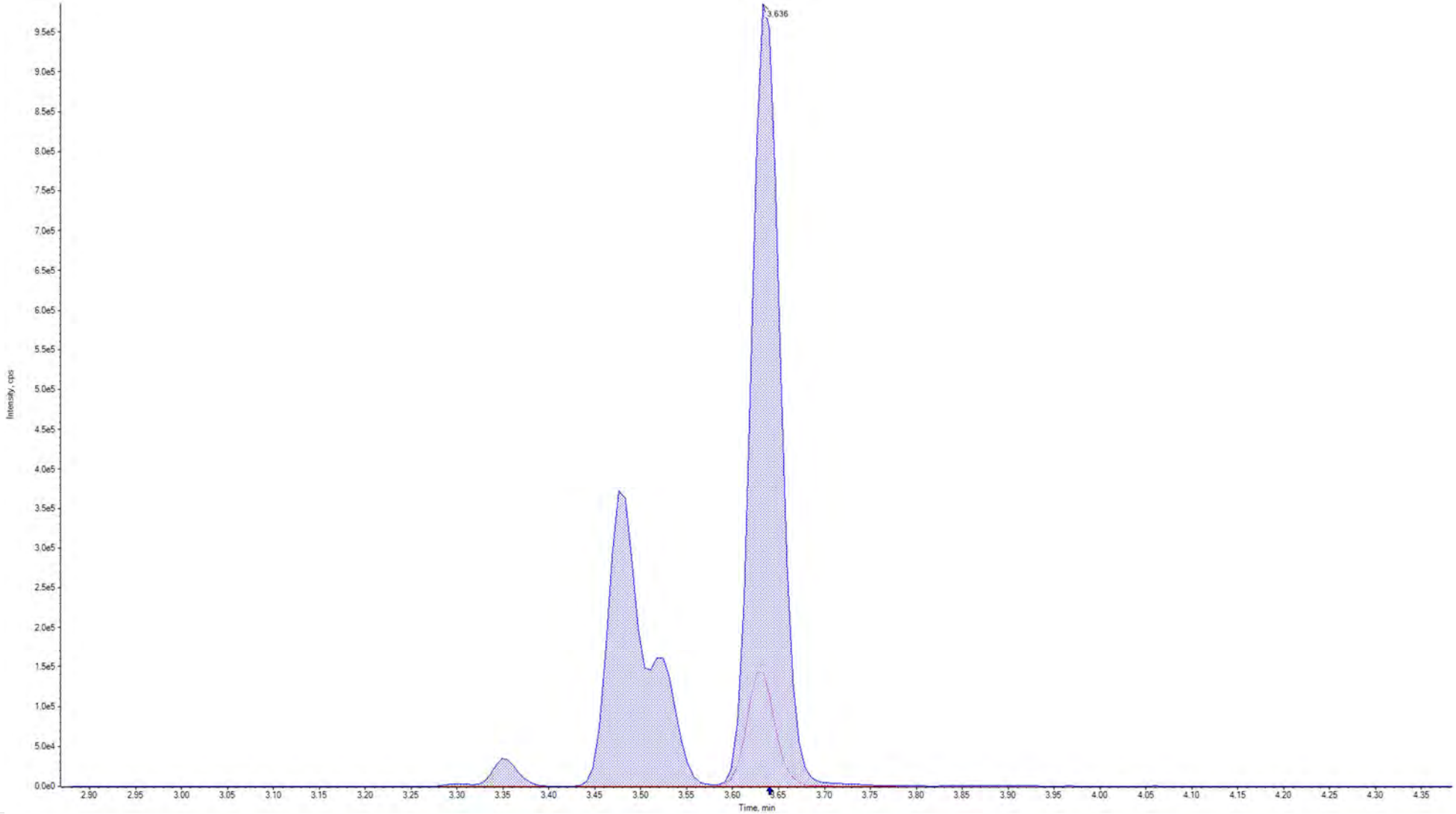
PFNA_2
Sample: IA1633STD-50 S/N:1271.5 Points Across peak:76



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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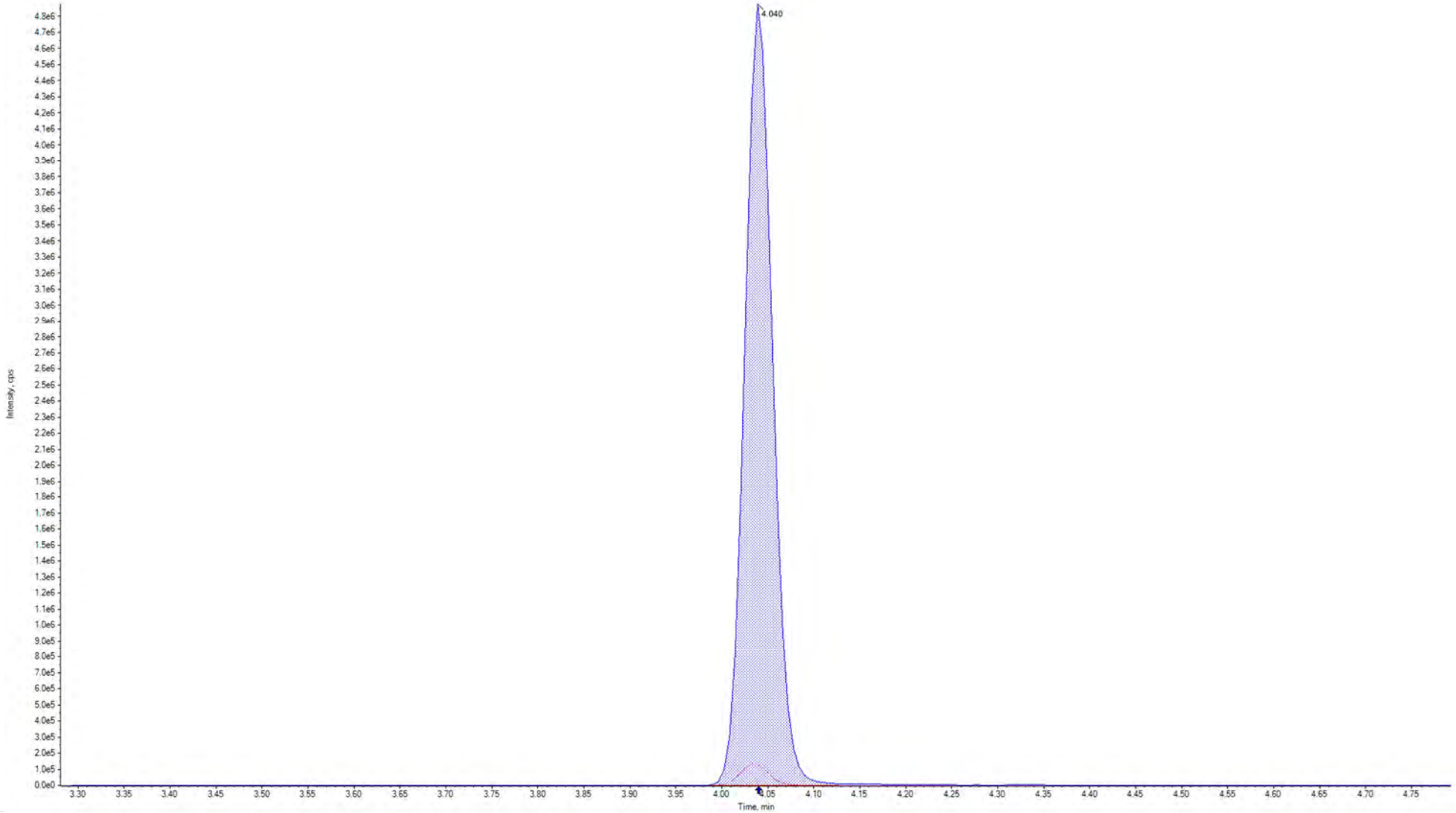
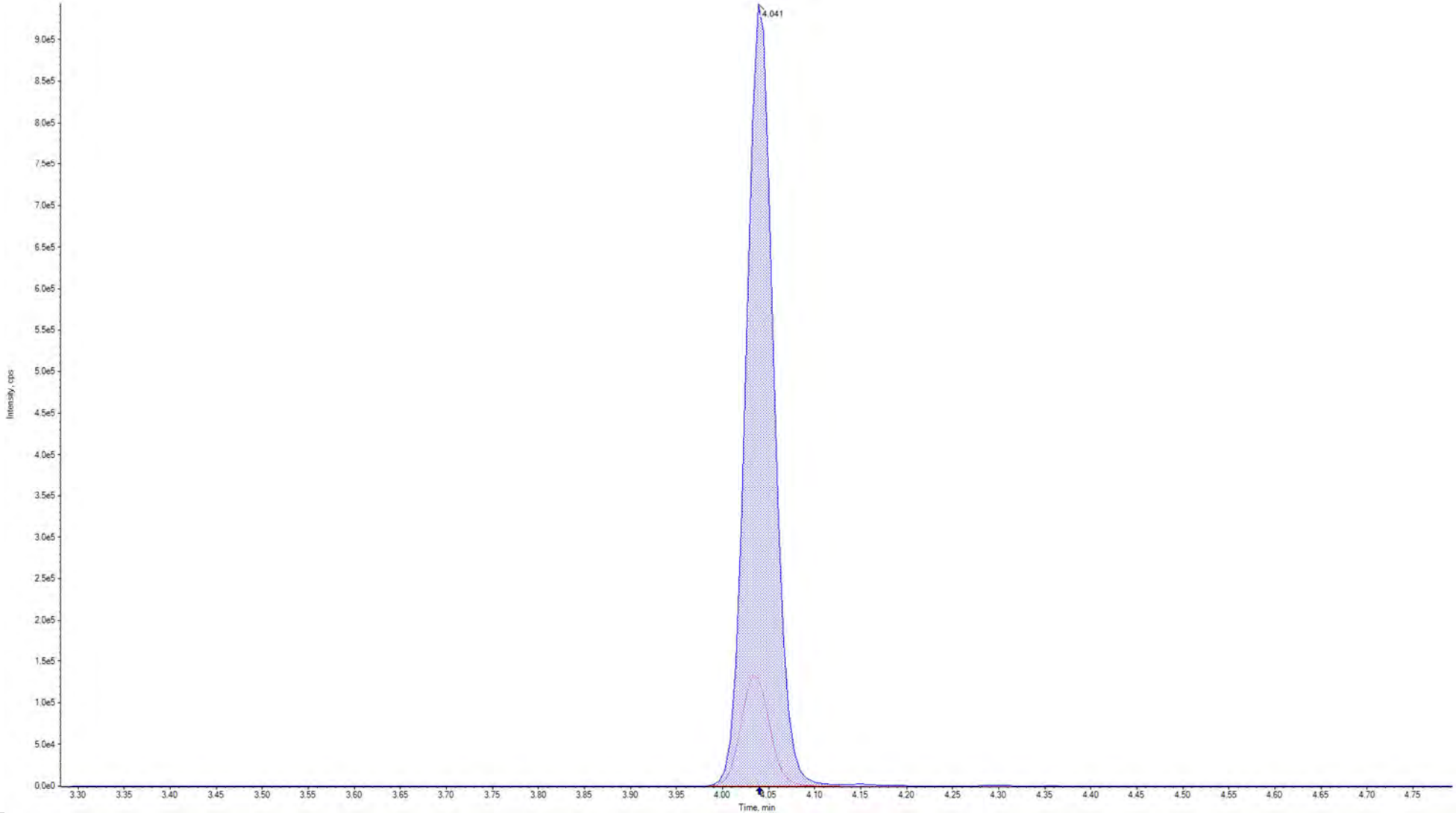
PFDA
Sample: IA1633STD-50 S/N:61112.9 Points Across peak:28



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_32.wiff2_7
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFDA_2
Sample: IA1633STD-50 S/N:9866.4 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\250228\SCI07_250228_32.wiff2_7
Last Altered: 3/1/2025 7:32:04 AM
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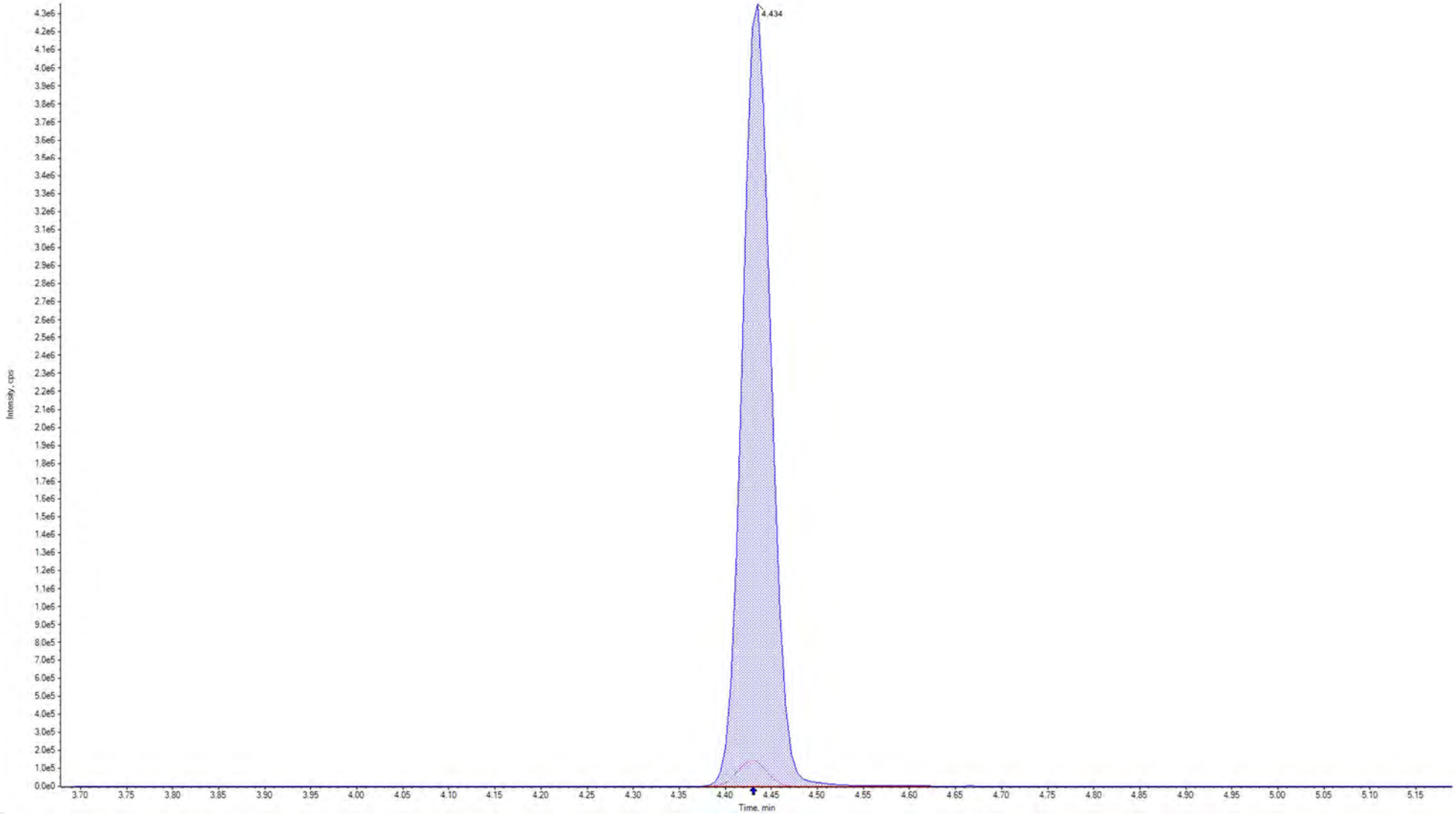
PFUnA
Sample: IA1633STD-50 S/N:65483.9 Points Across peak:43



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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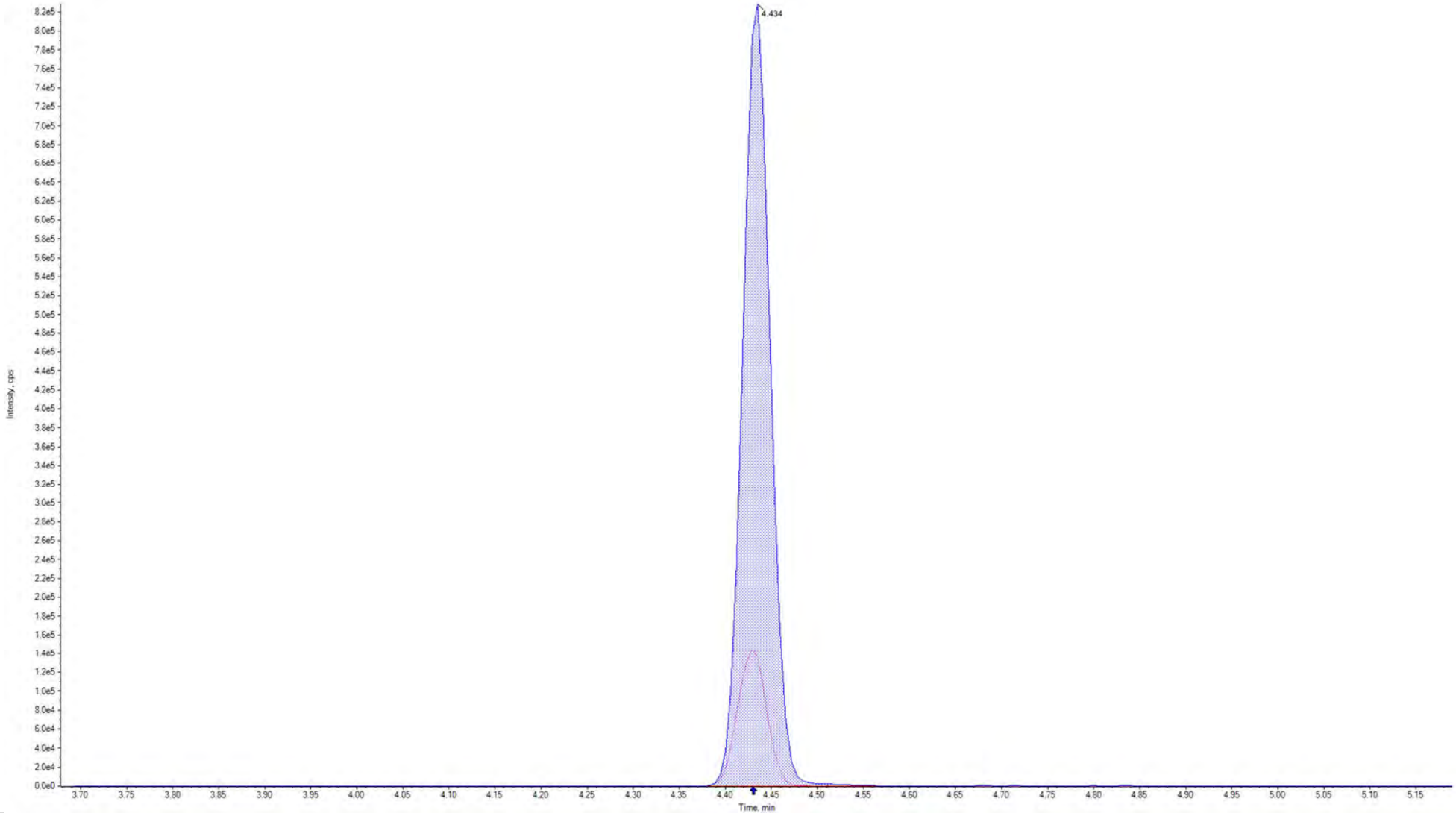
PFUnA_2
Sample: IA1633STD-50 S/N:12458.6 Points Across peak:36



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Alpha Analytical LLC
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Last Altered: 3/1/2025 7:32:04 AM
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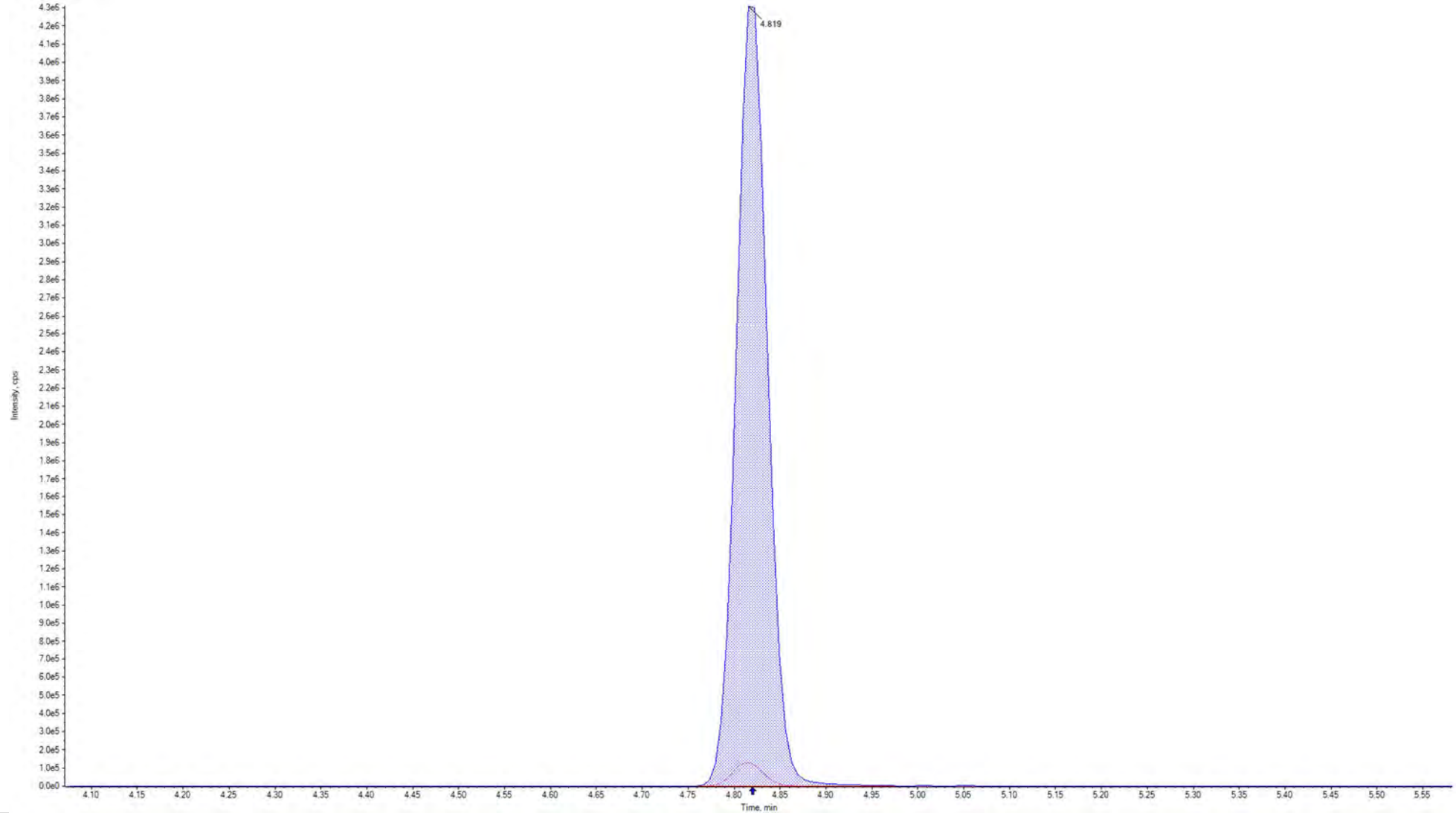
PFDoA
Sample: IA1633STD-50 S/N:6825.2 Points Across peak:39



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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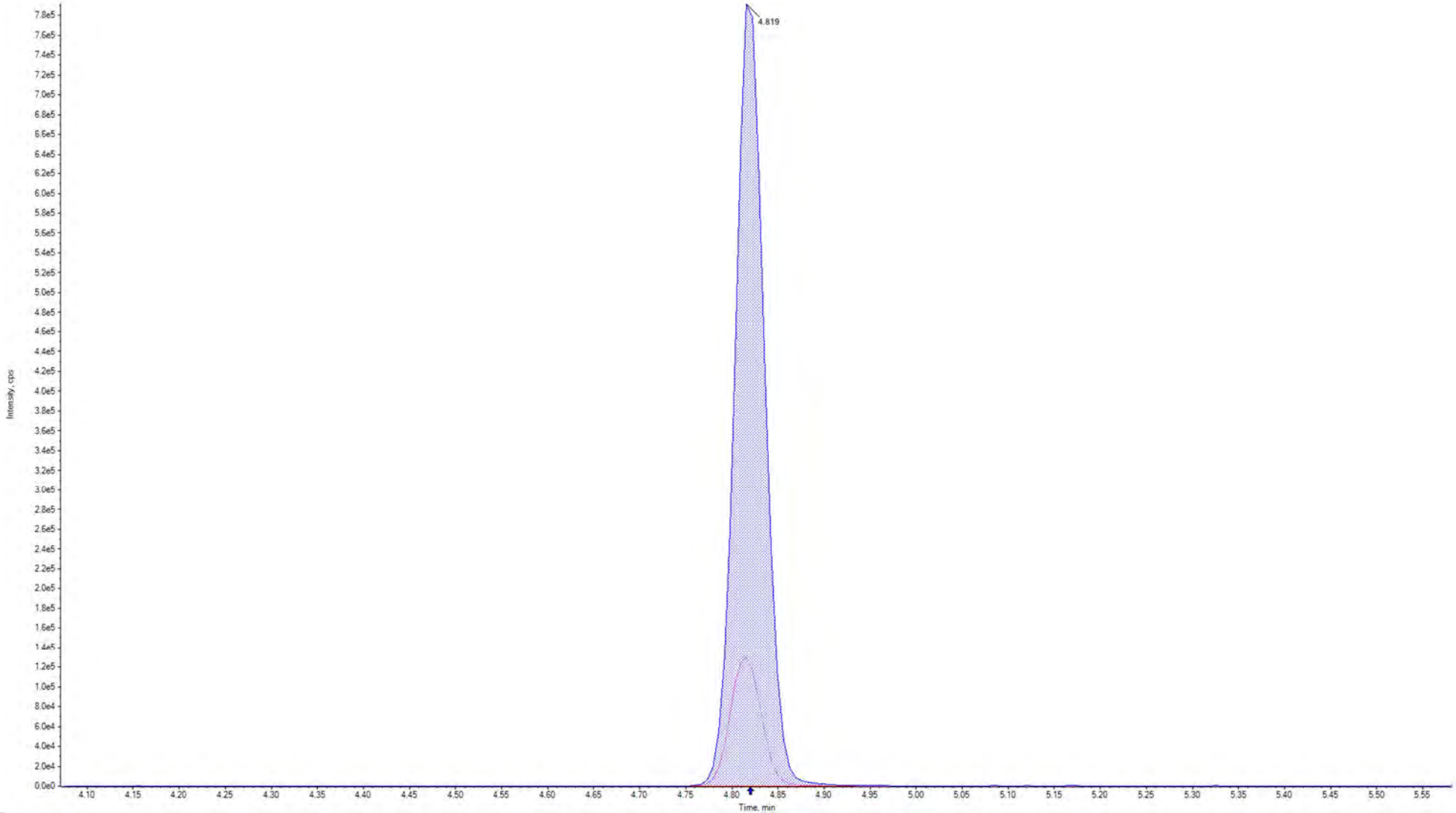
PFDoA_2
Sample: IA1633STD-50 S/N:9524.2 Points Across peak:33



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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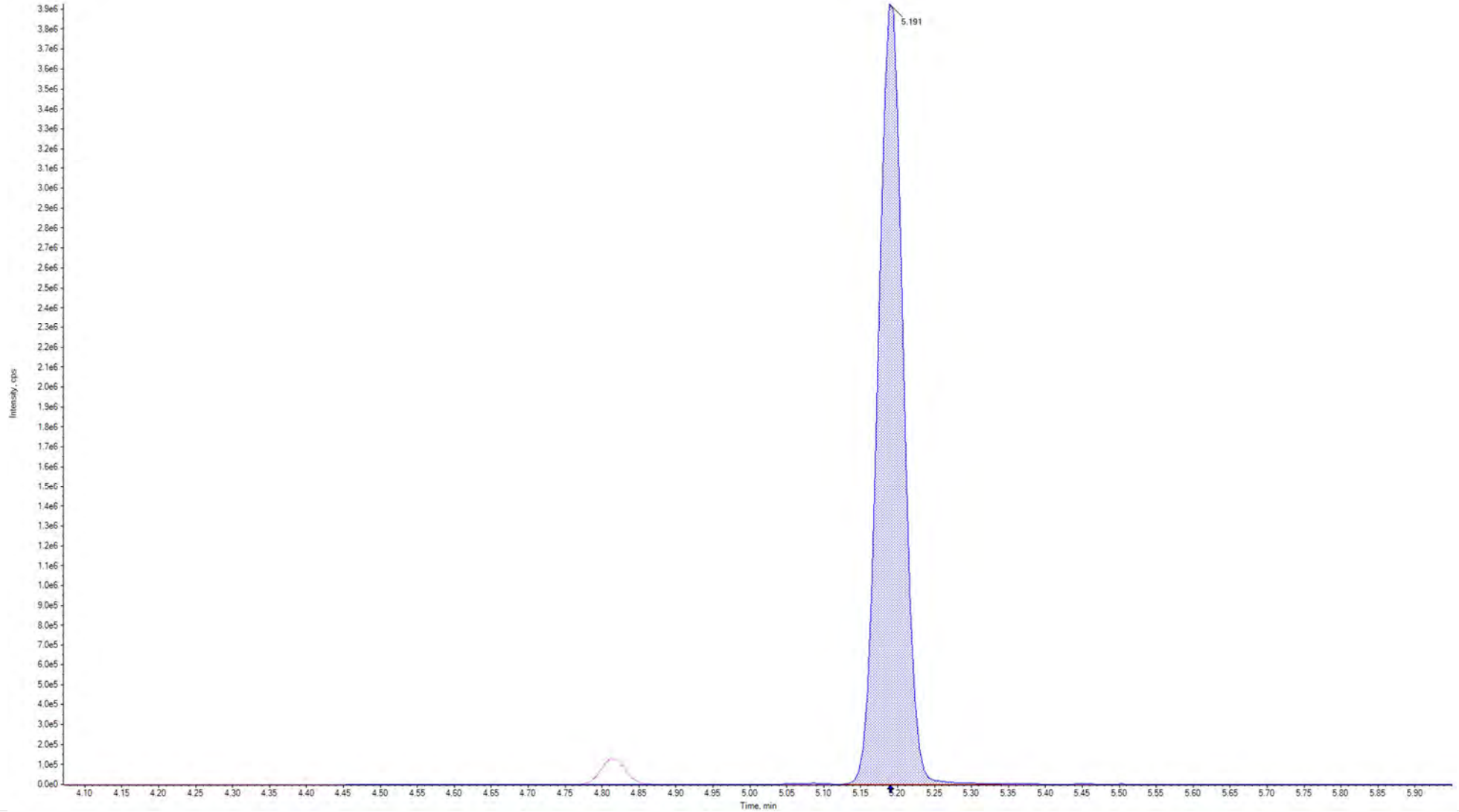
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFTrDA
Sample: IA1633STD-50 S/N:78702.2 Points Across peak:38



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/1/2025 7:32:04 AM
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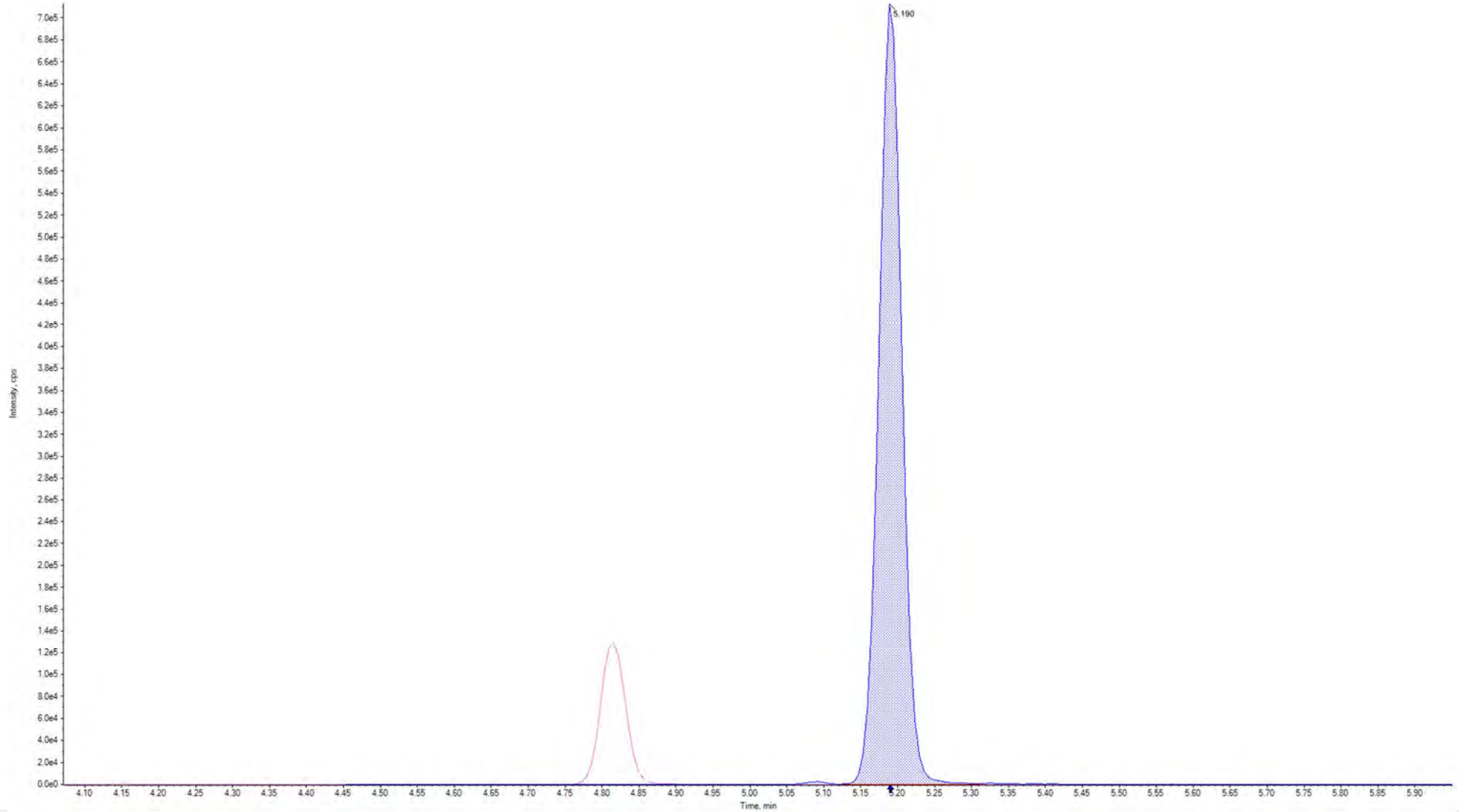
PFTrDA_2
Sample: IA1633STD-50 S/N:6884.1 Points Across peak:33



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Alpha Analytical LLC
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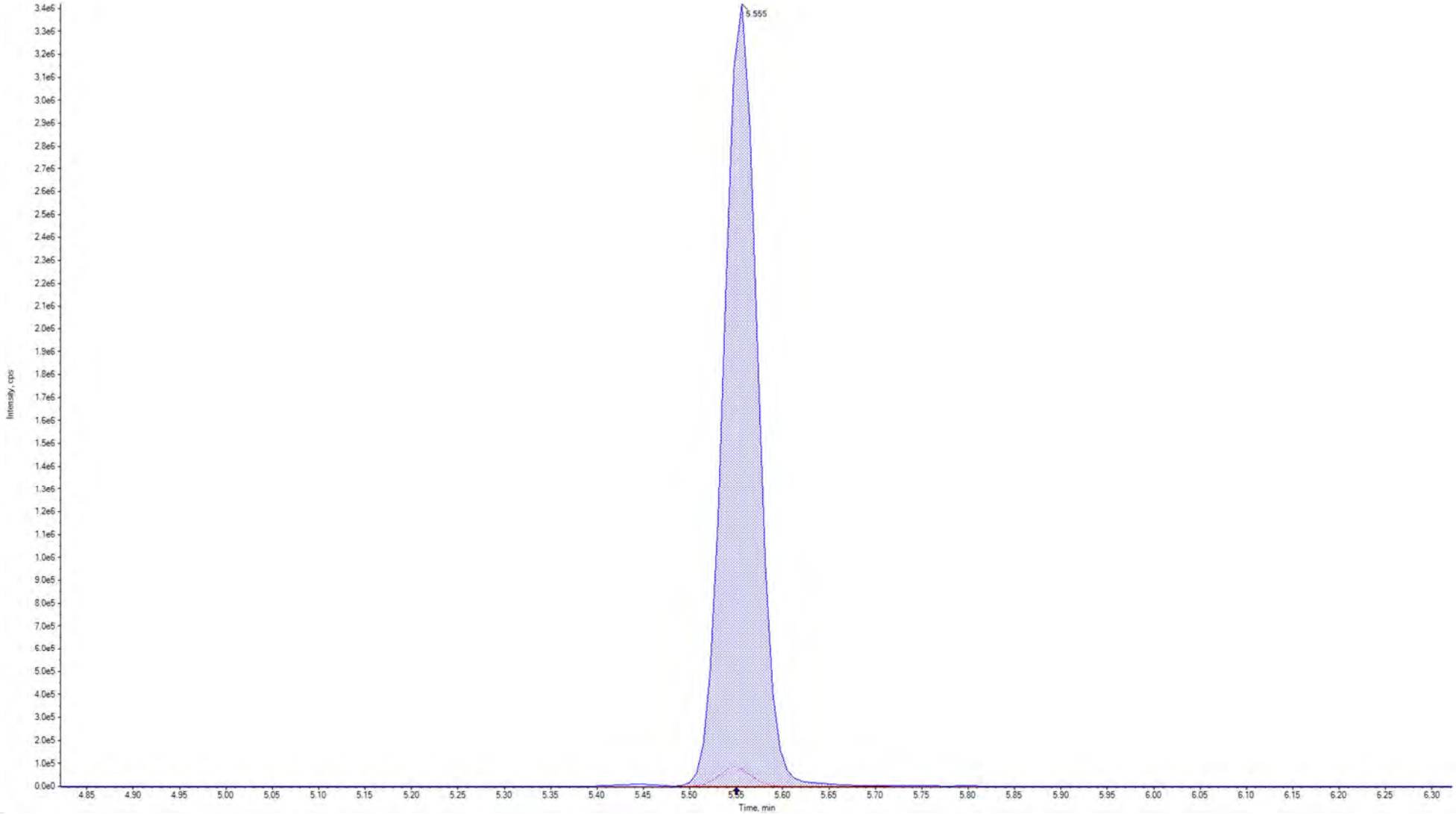
PFTeDA
Sample: IA1633STD-50 S/N:51865.6 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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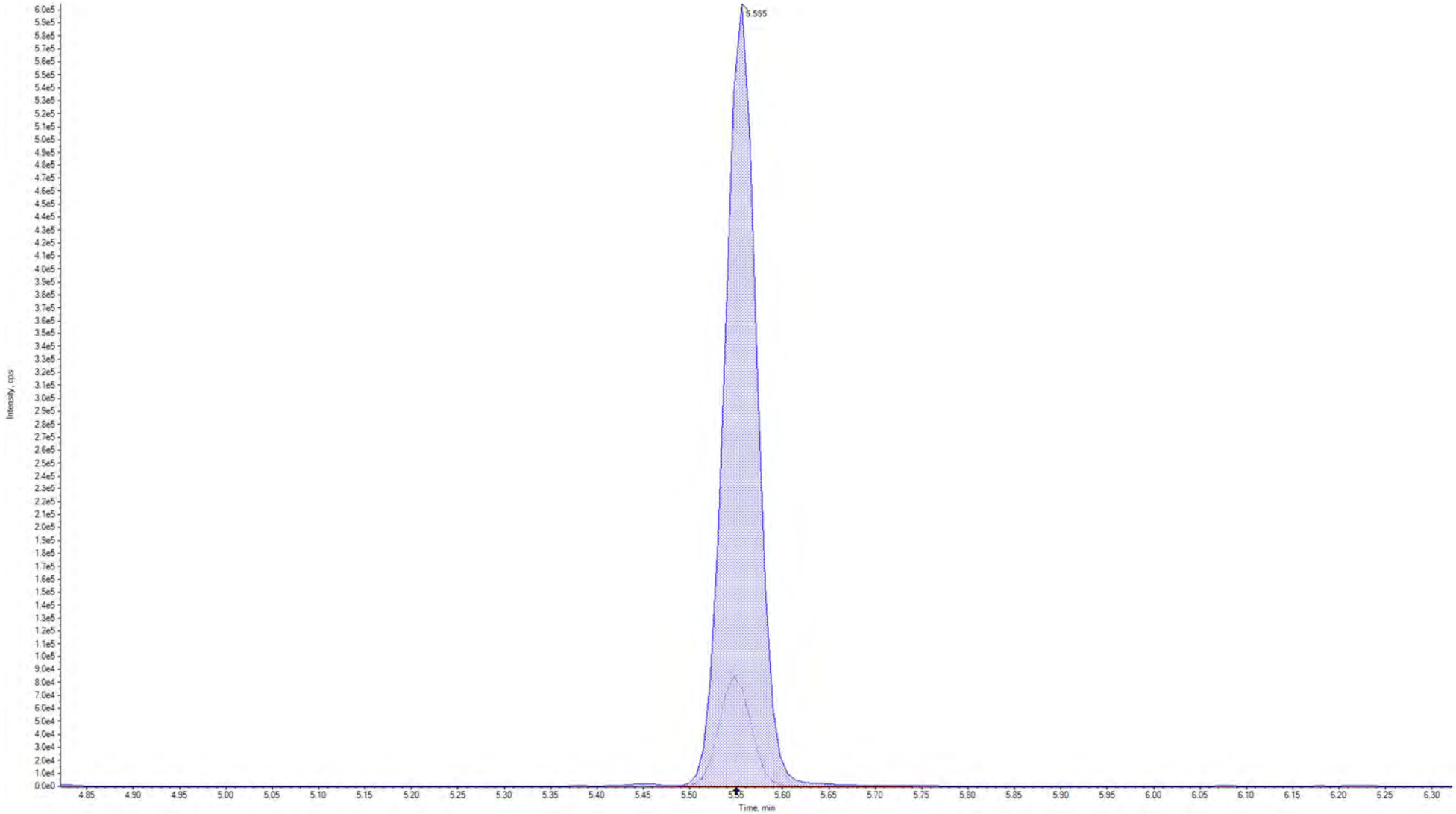
PFTeDA_2
Sample: IA1633STD-50 S/N:5051.4 Points Across peak:33



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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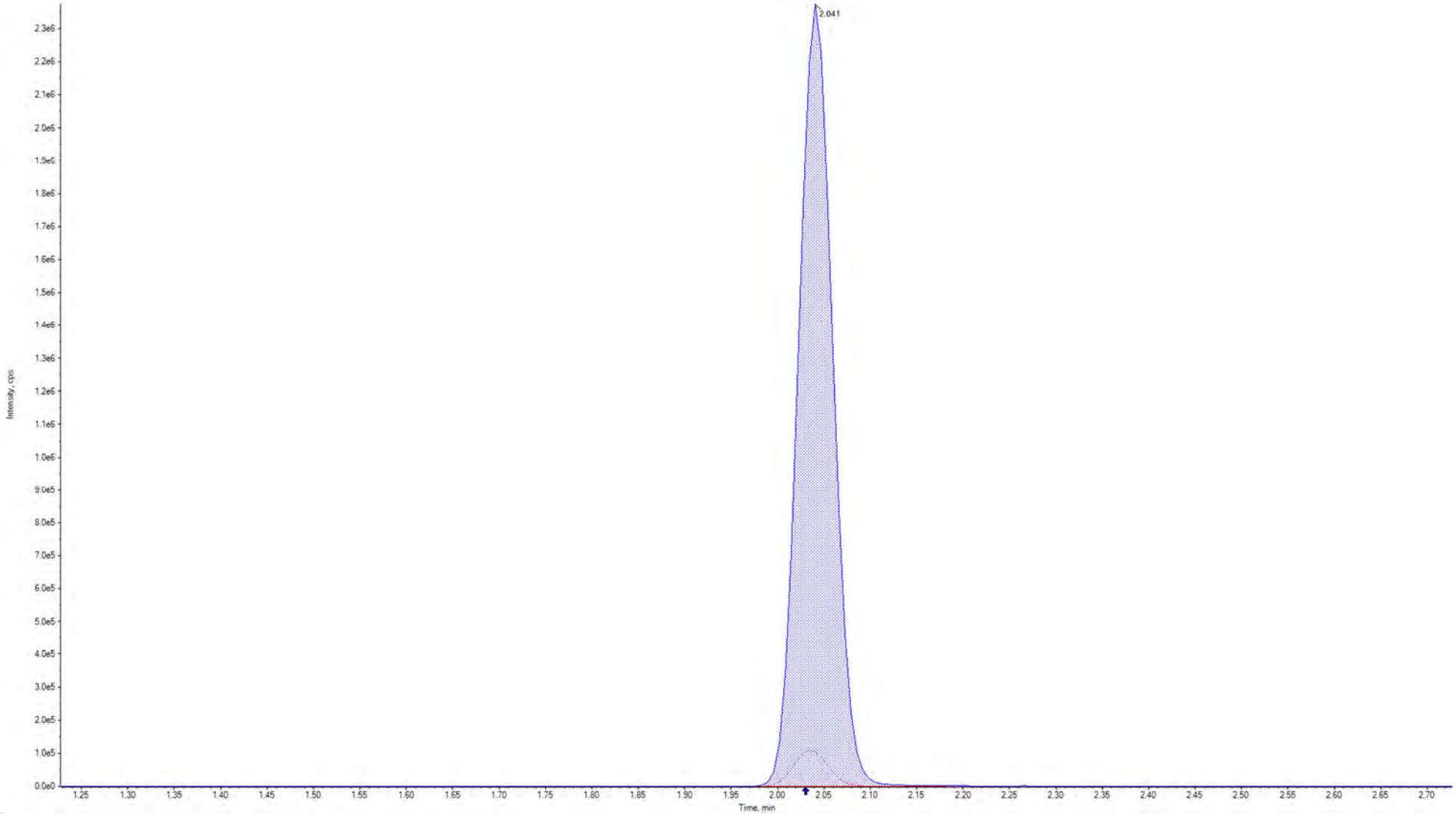
PFBS
Sample: IA1633STD-50 S/N:12595.5 Points Across peak:38



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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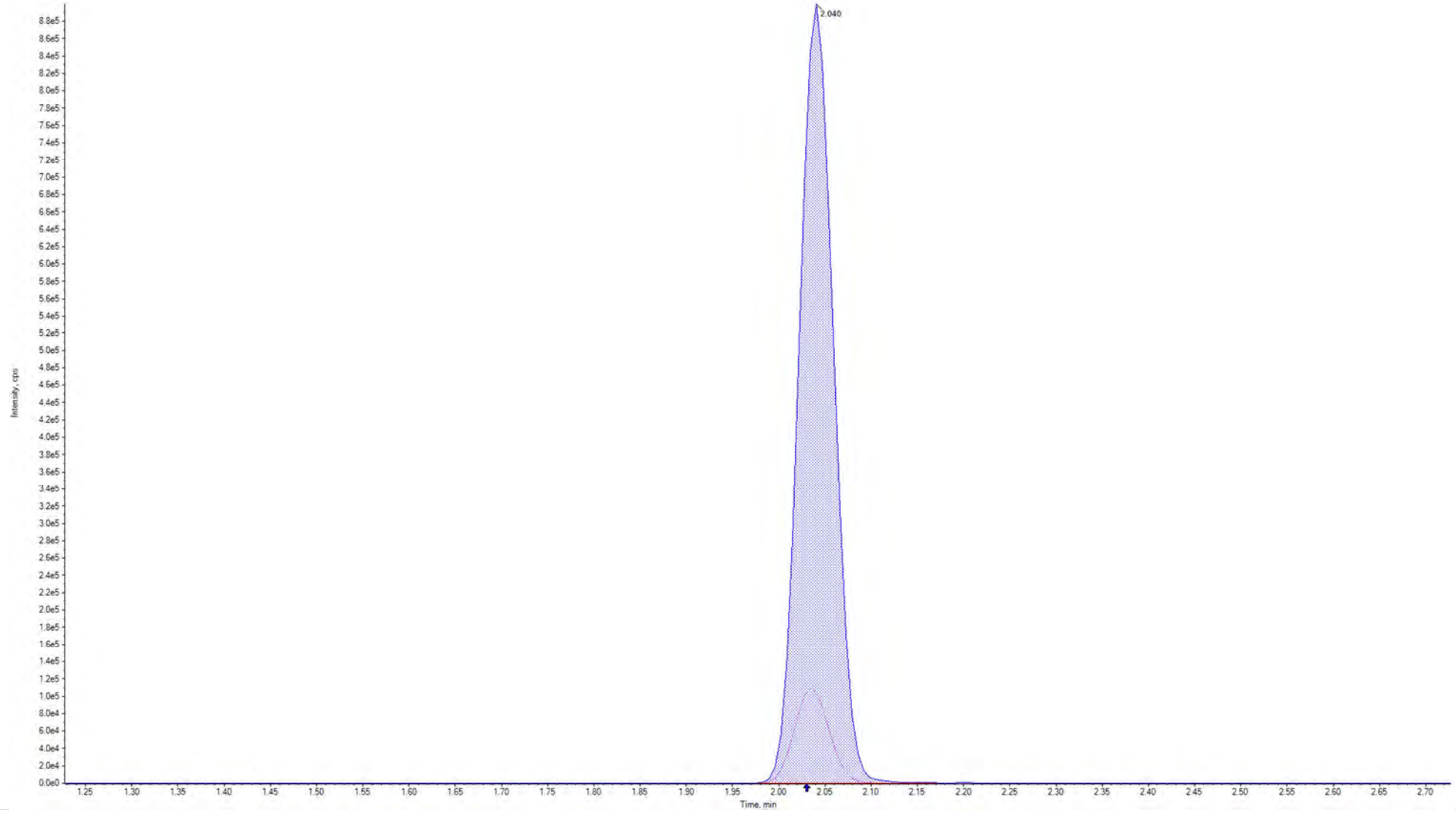
Generated: 2/28/2025 12:43:00 PM

PFBS_2
Sample: IA1633STD-50 S/N:16842.9 Points Across peak:36



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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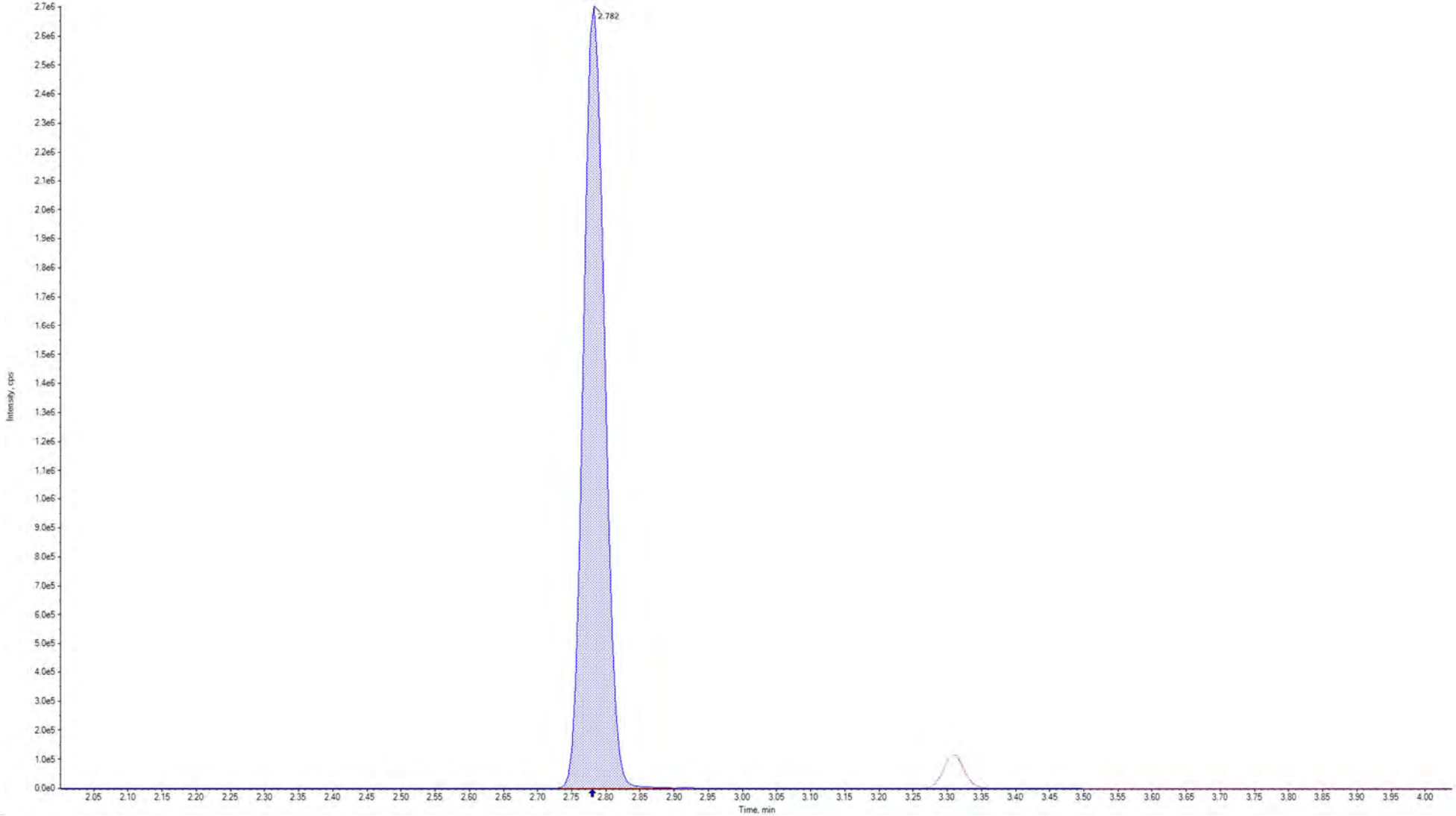
Generated: 2/28/2025 12:43:00 PM

PFPeS
Sample: IA1633STD-50 S/N:18085.3 Points Across peak:36



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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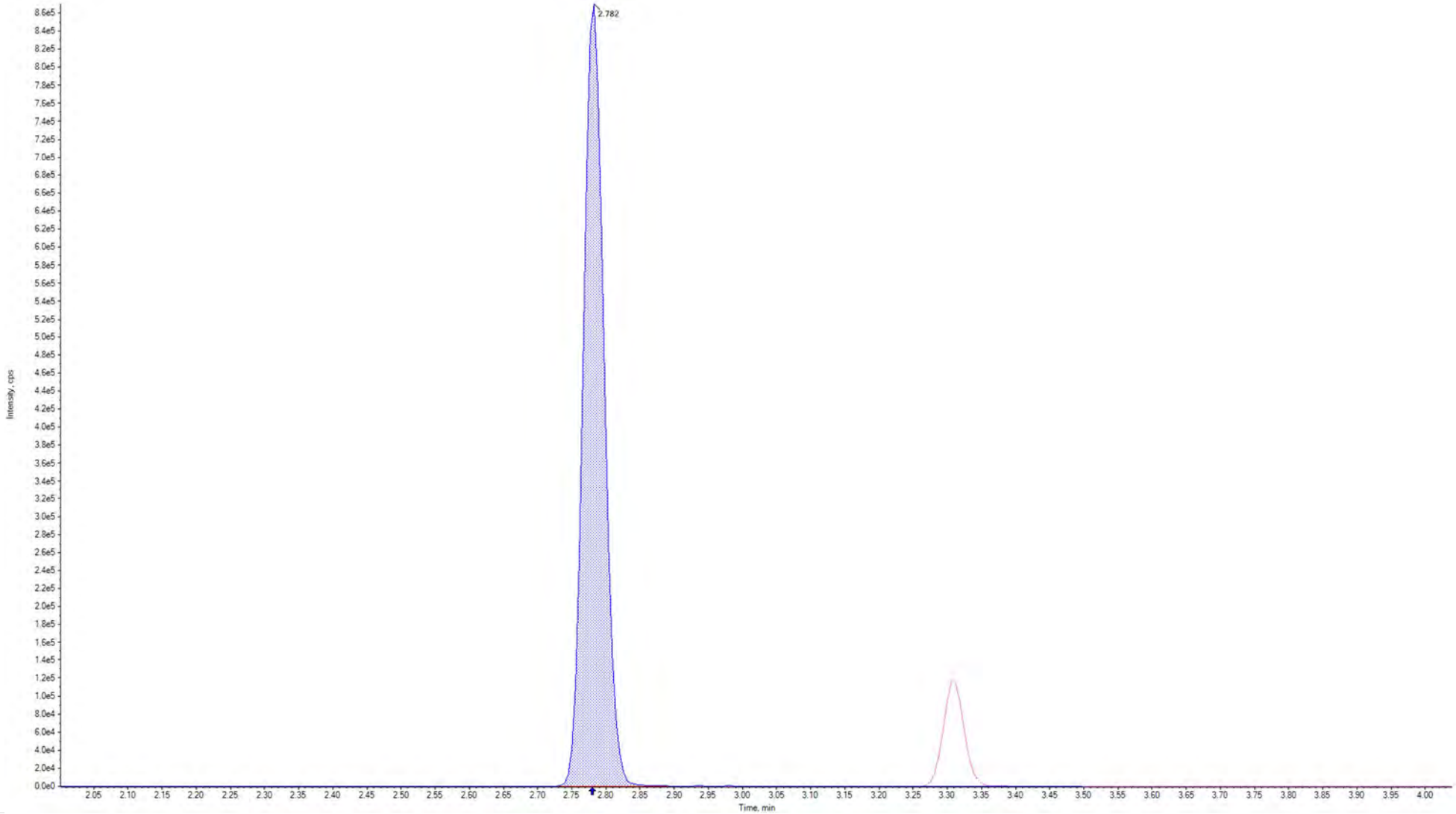
PFPeS_2
Sample: IA1633STD-50 S/N:13082.4 Points Across peak:38



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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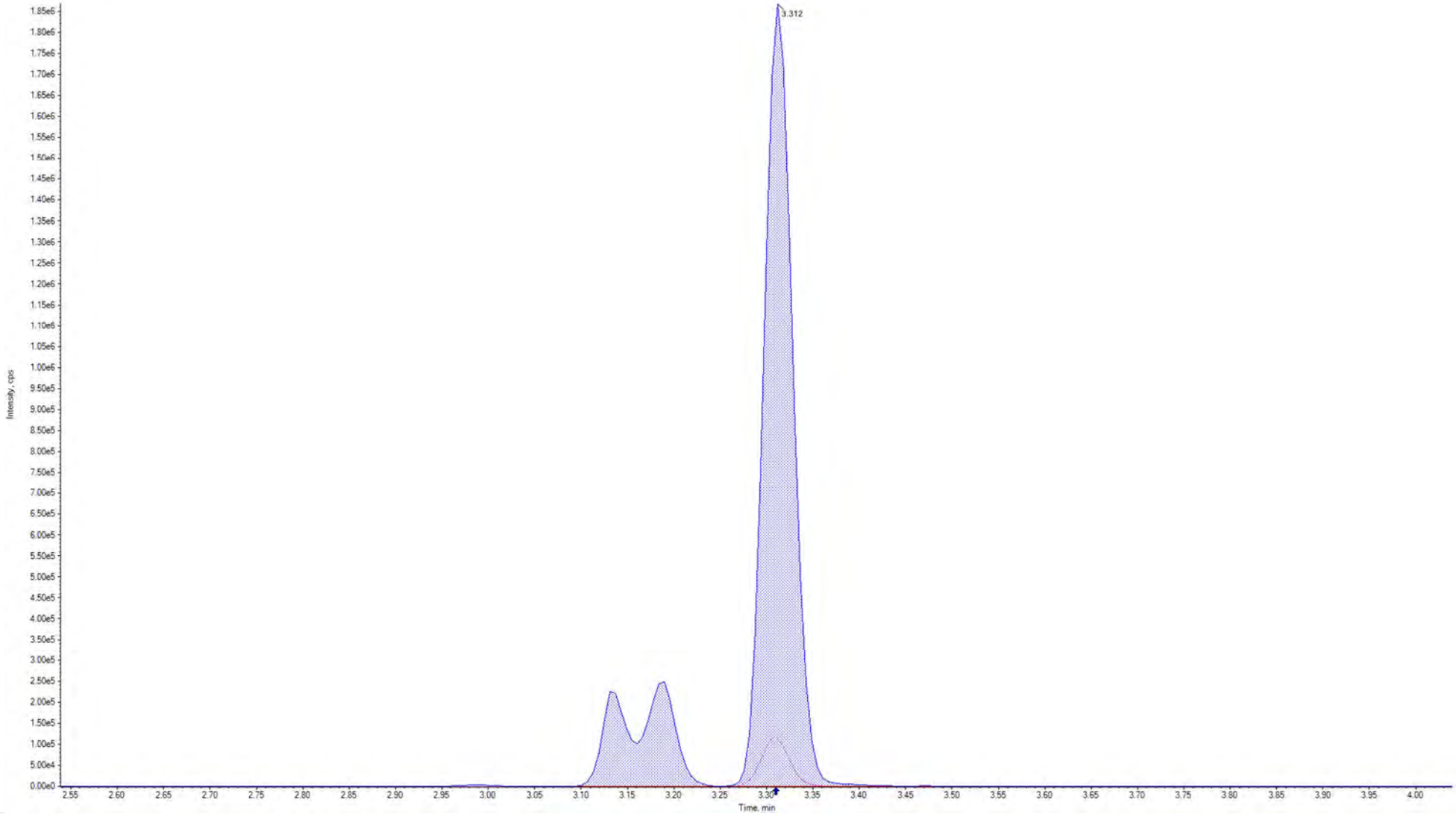
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFHxS
Sample: IA1633STD-50 S/N:2139.3 Points Across peak:67



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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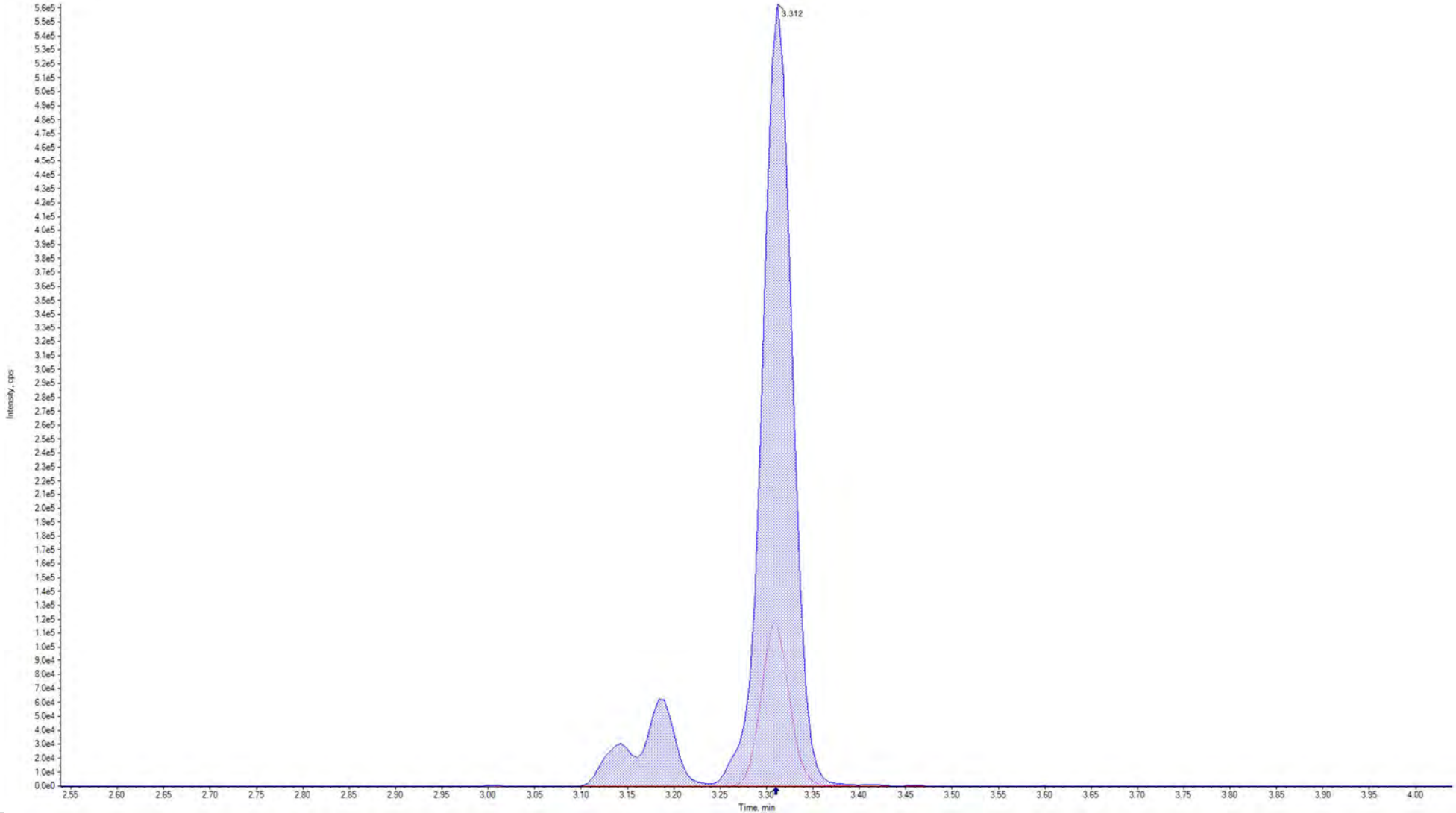
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFHxS_2
Sample: IA1633STD-50 S/N:2664.2 Points Across peak:69



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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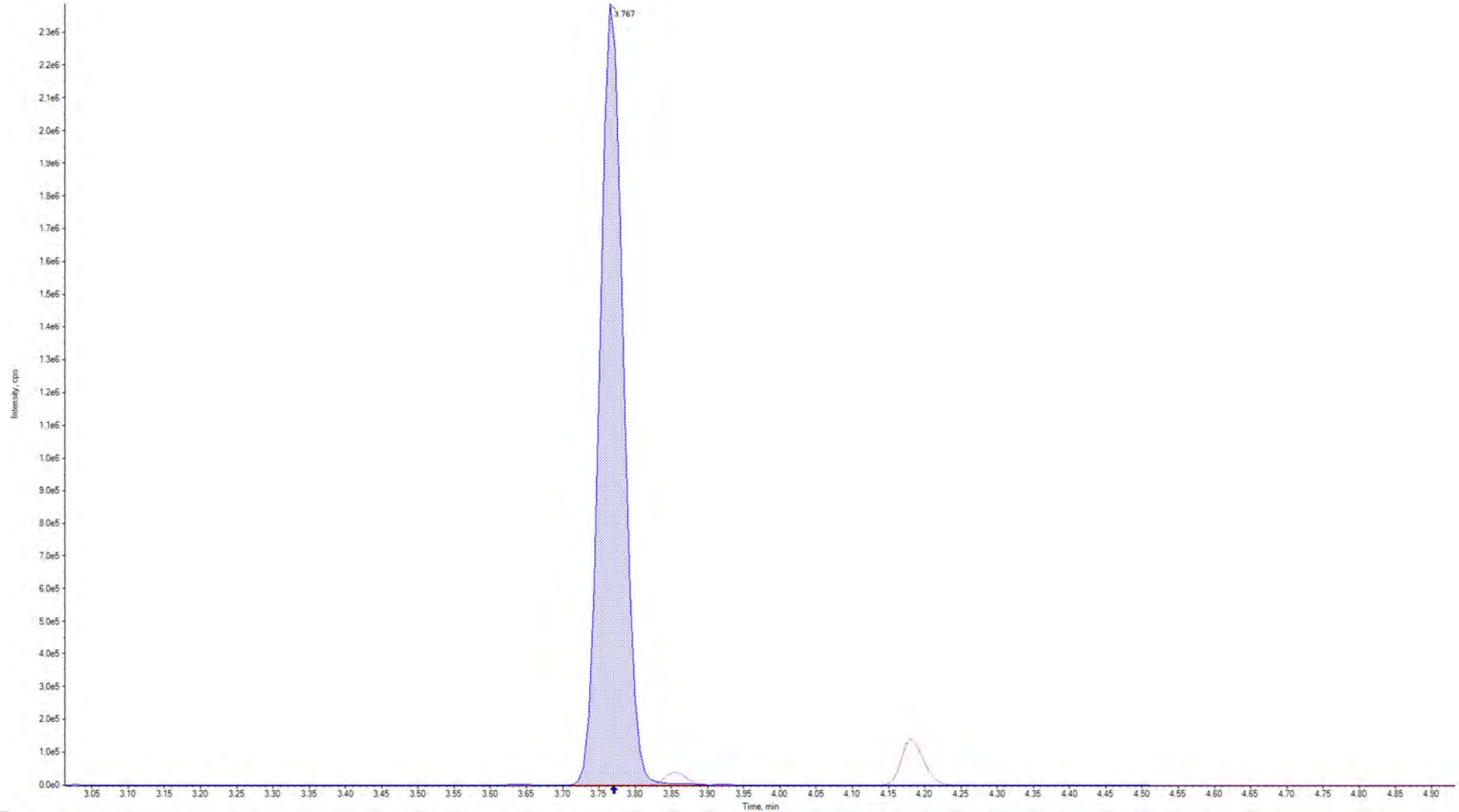
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFHpS
Sample: IA1633STD-50 S/N:16077.6 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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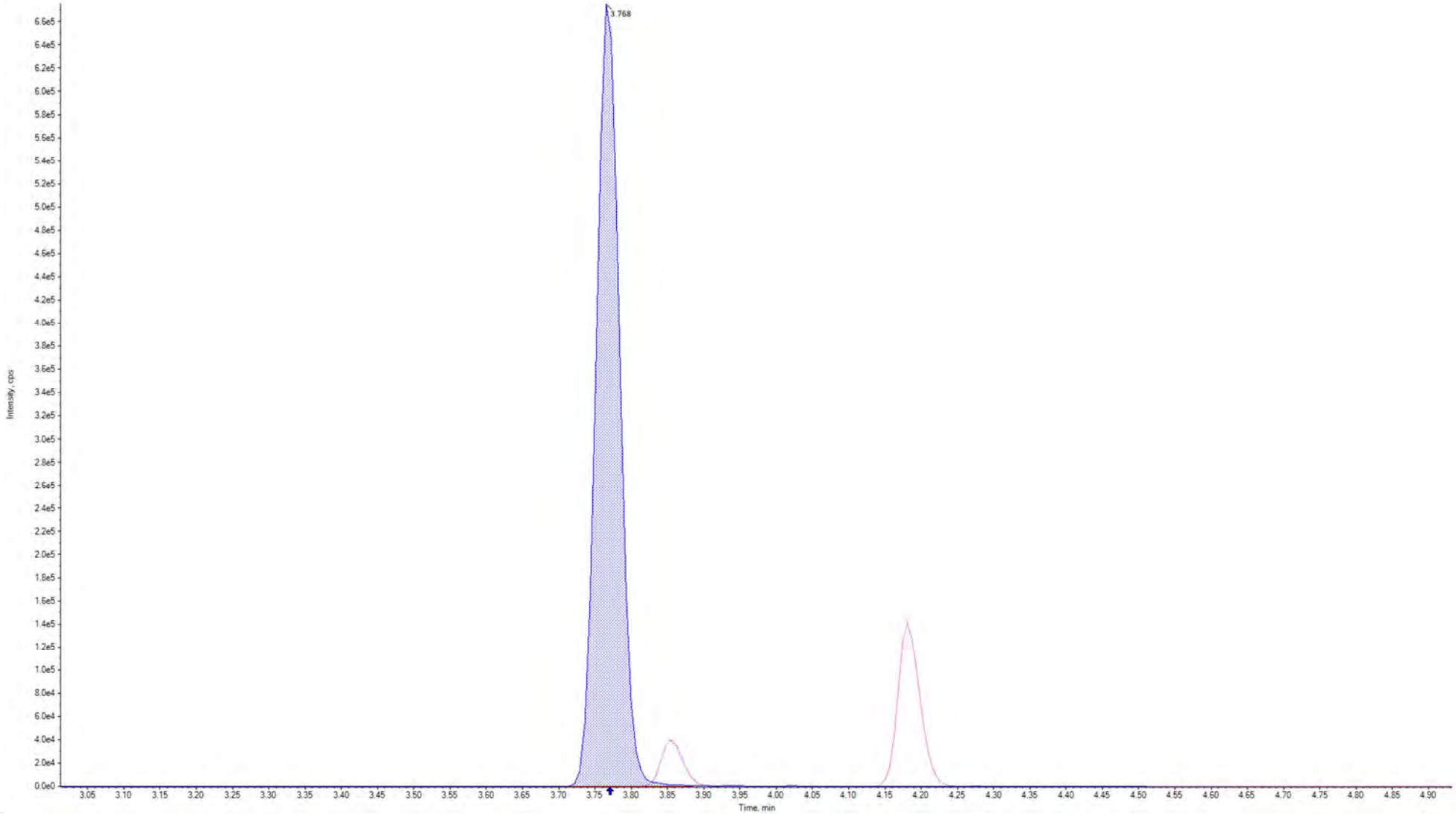
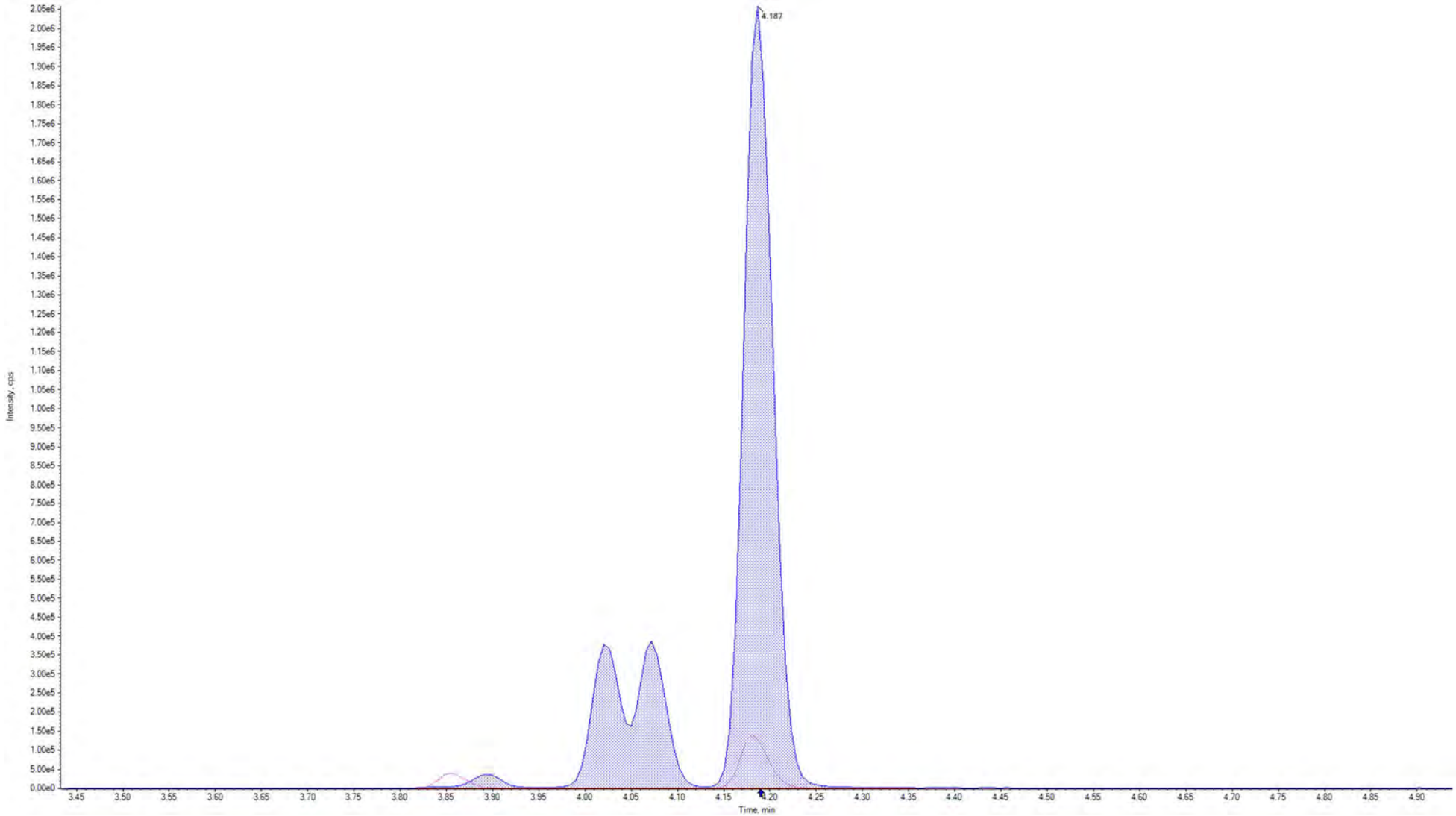
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFHpS_2
Sample: IA1633STD-50 S/N:8460.1 Points Across peak:28



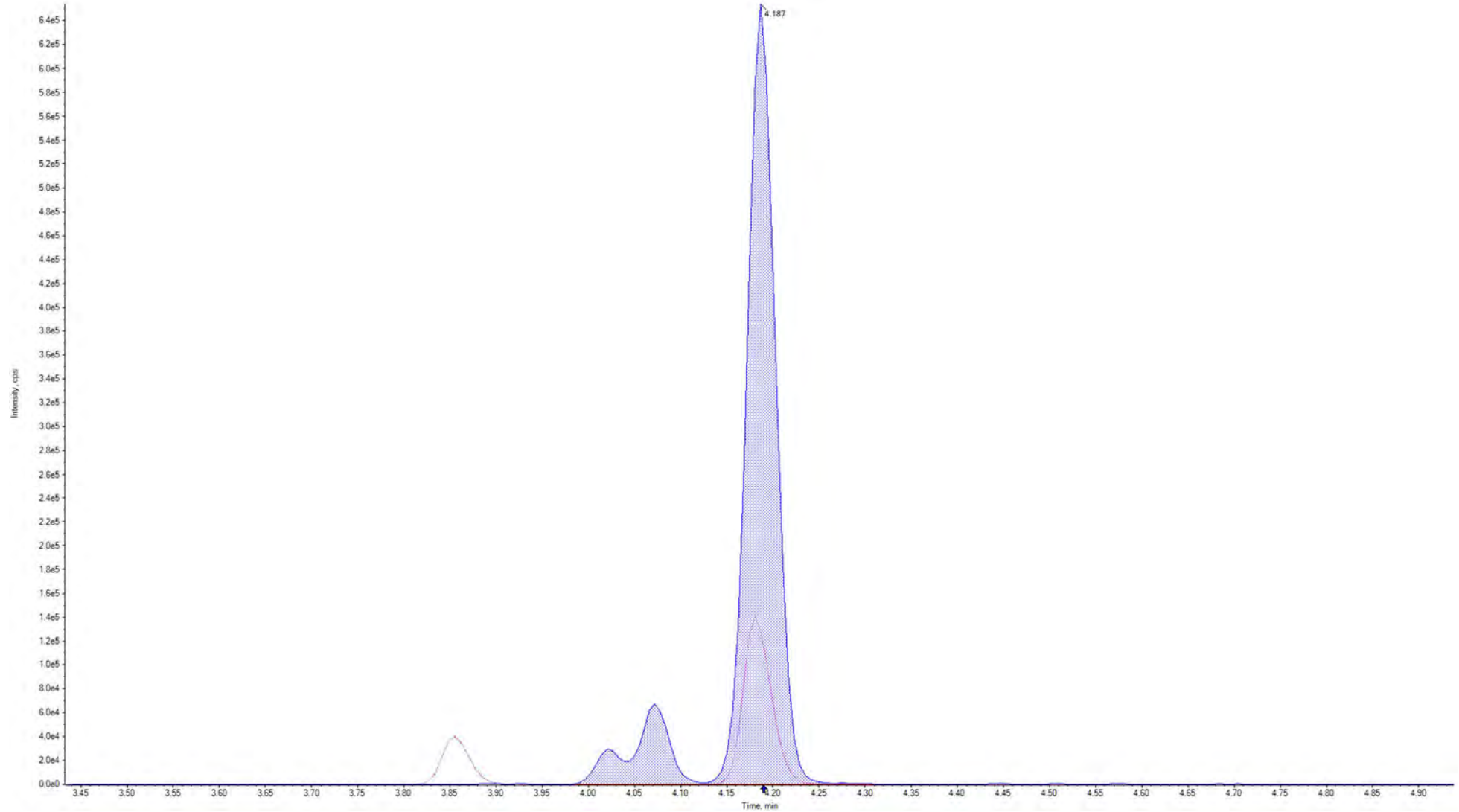
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_32.wiff2_7
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFOS
Sample: IA1633STD-50 S/N:1006.6 Points Across peak:90



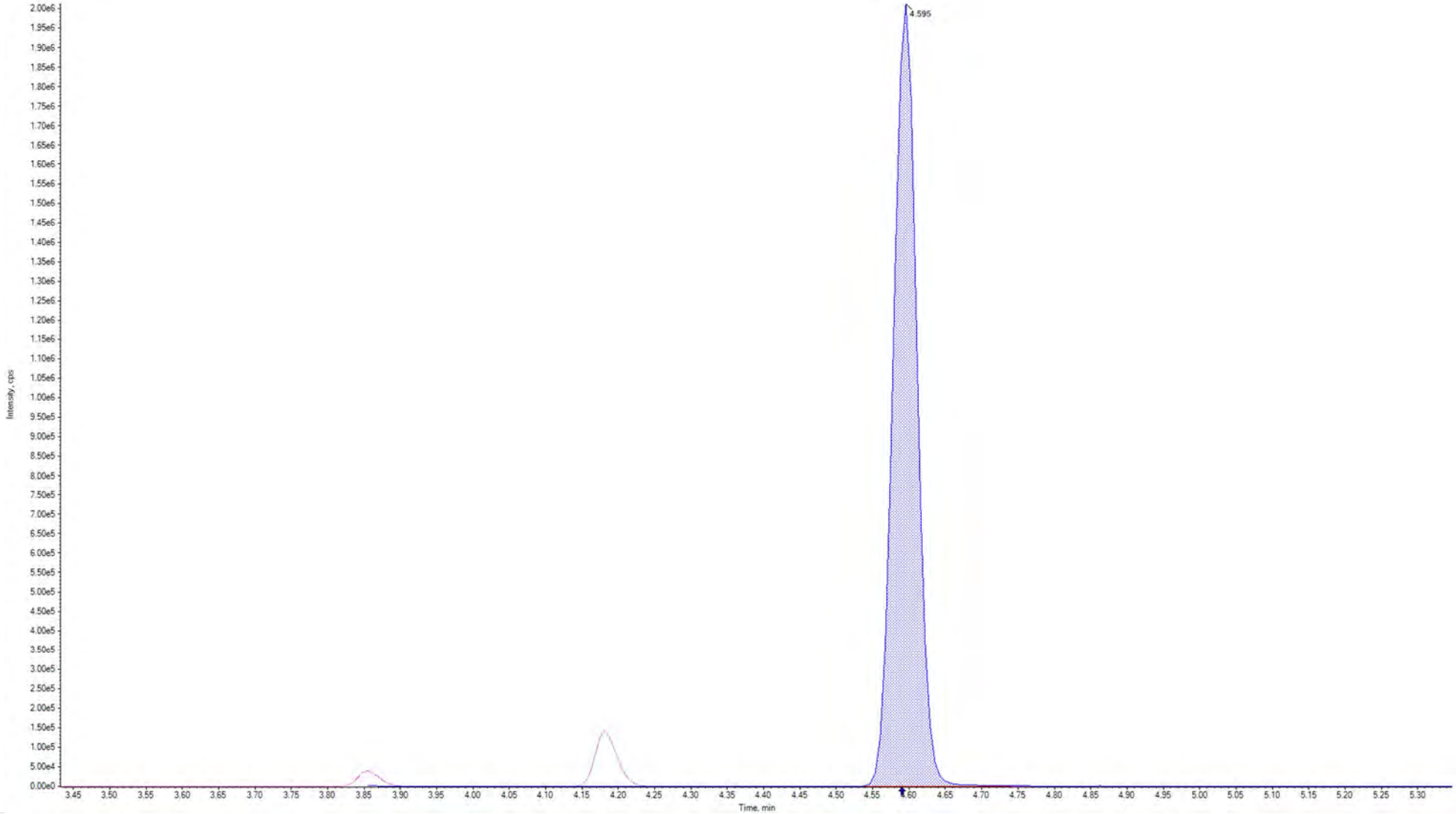
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_32.wiff2_7
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFOS_2
Sample: IA1633STD-50 S/N:1806.0 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\250228\SCI07_250228_32.wiff2_7
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFNS
Sample: IA1633STD-50 S/N:6369.8 Points Across peak:33



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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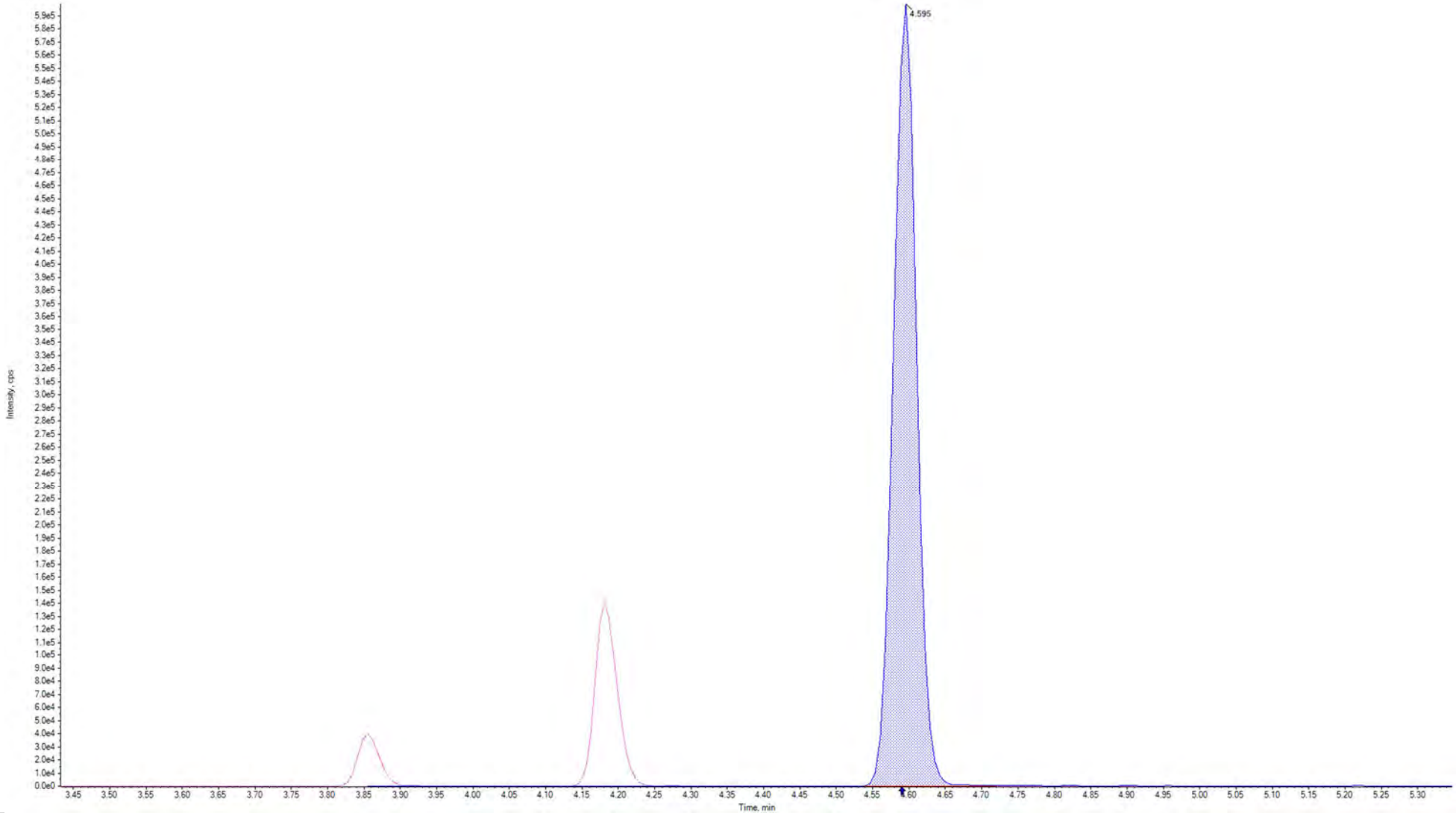
PFNS_2
Sample: IA1633STD-50 S/N:6075.6 Points Across peak:31



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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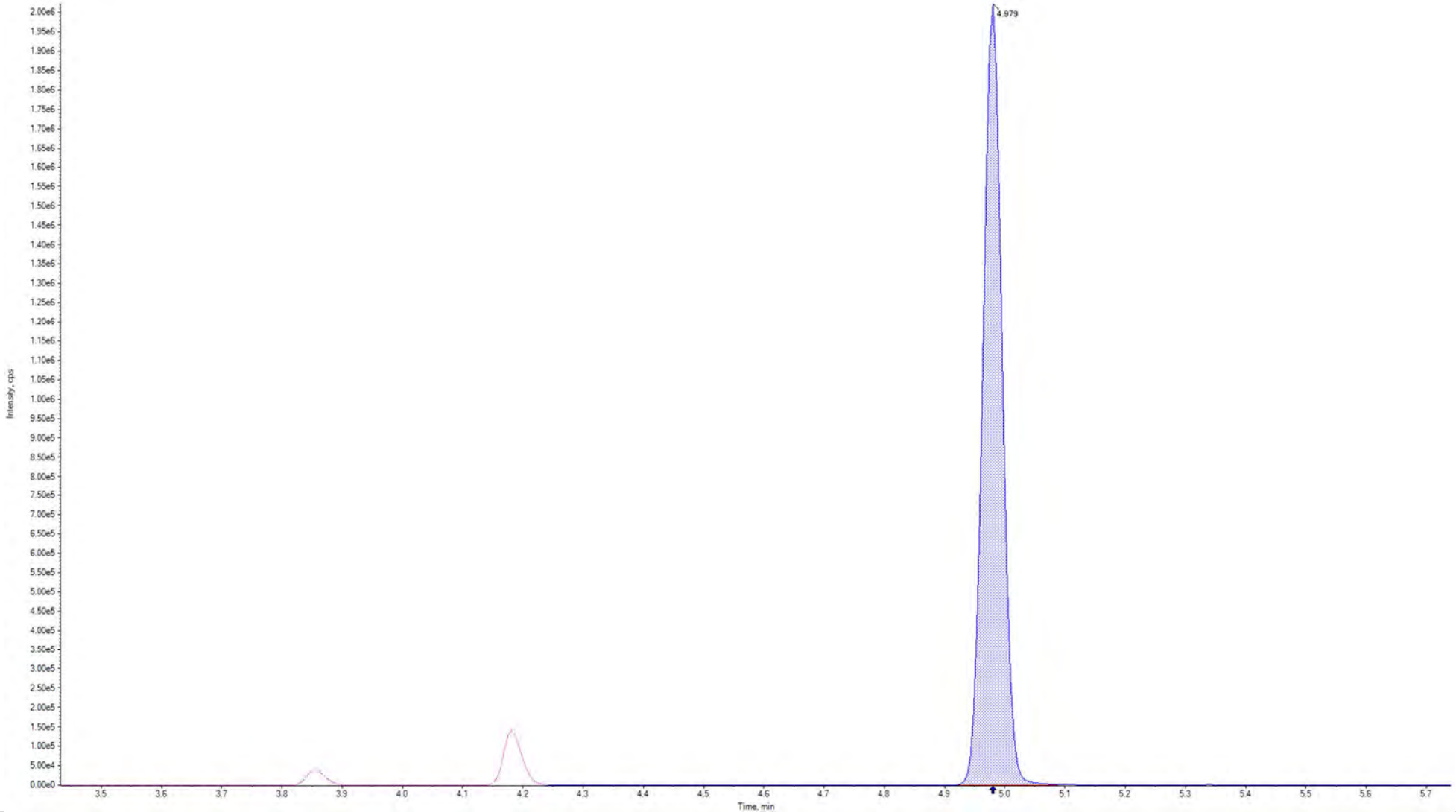
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFDS
Sample: IA1633STD-50 S/N:8136.8 Points Across peak:35



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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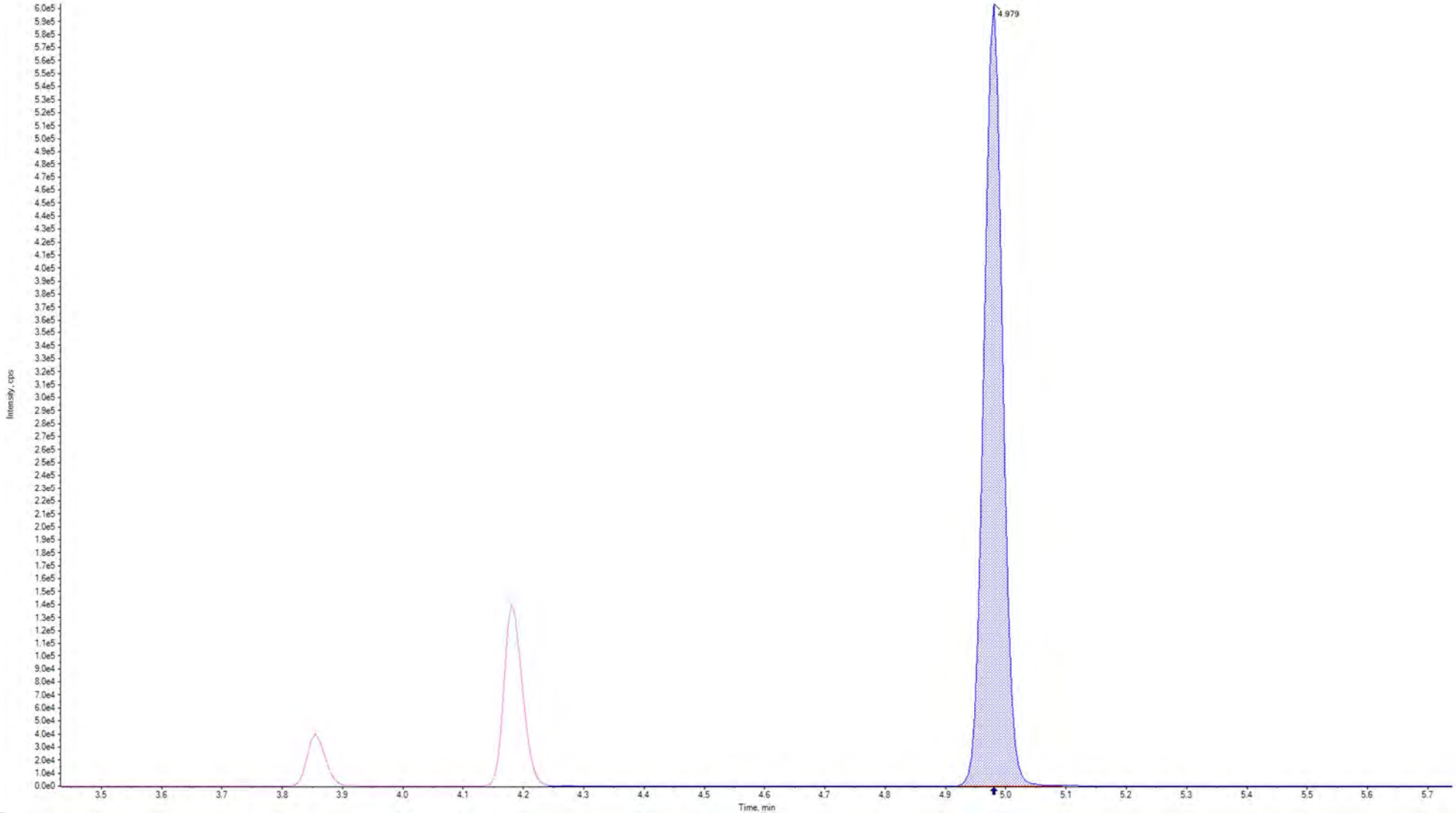
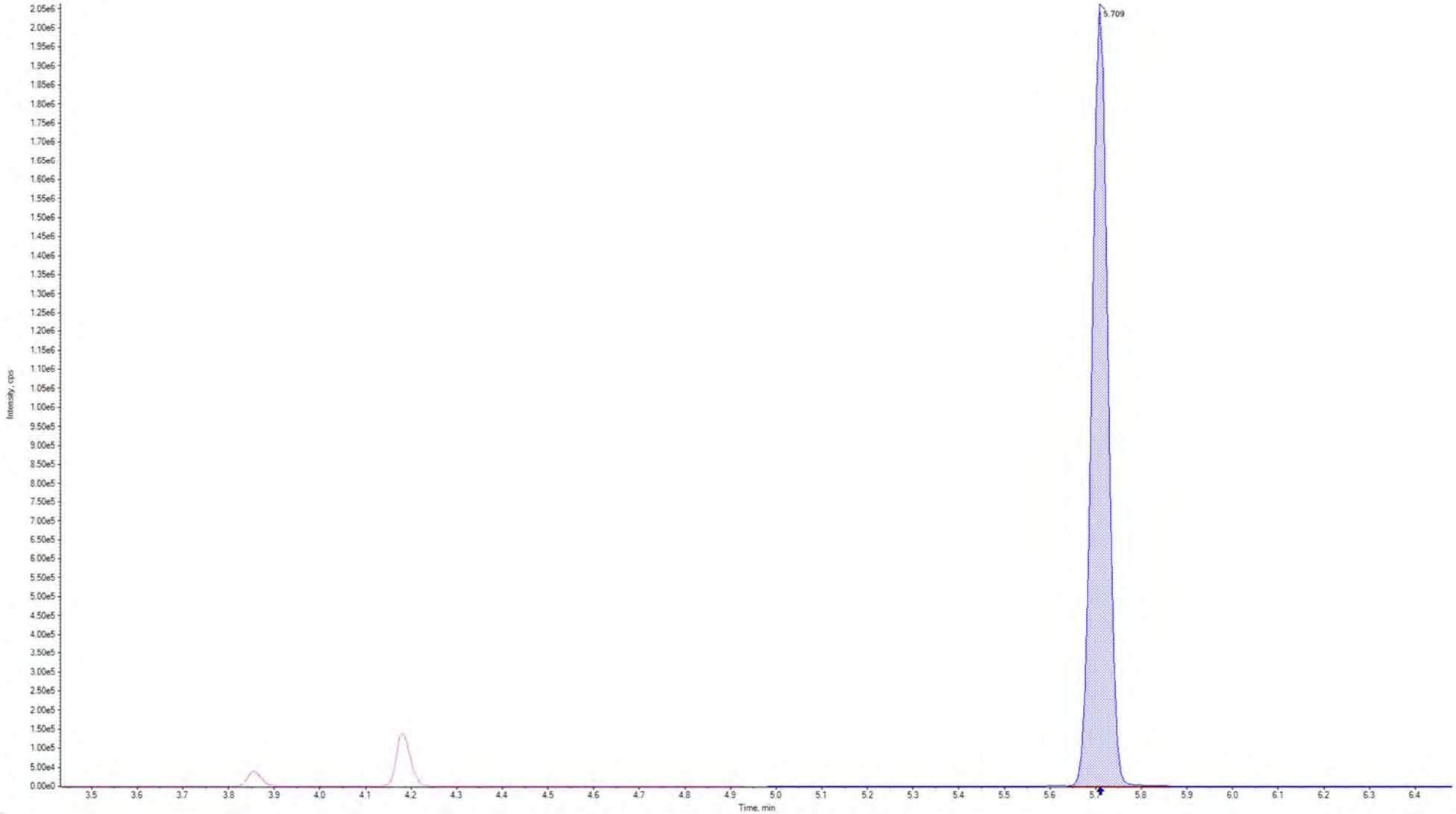
Generated: 2/28/2025 12:43:00 PM

PFDS_2
Sample: IA1633STD-50 S/N:10034.0 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\250228\SCI07_250228_32.wiff2_7
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFDoS
Sample: IA1633STD-50 S/N:67198.2 Points Across peak:33



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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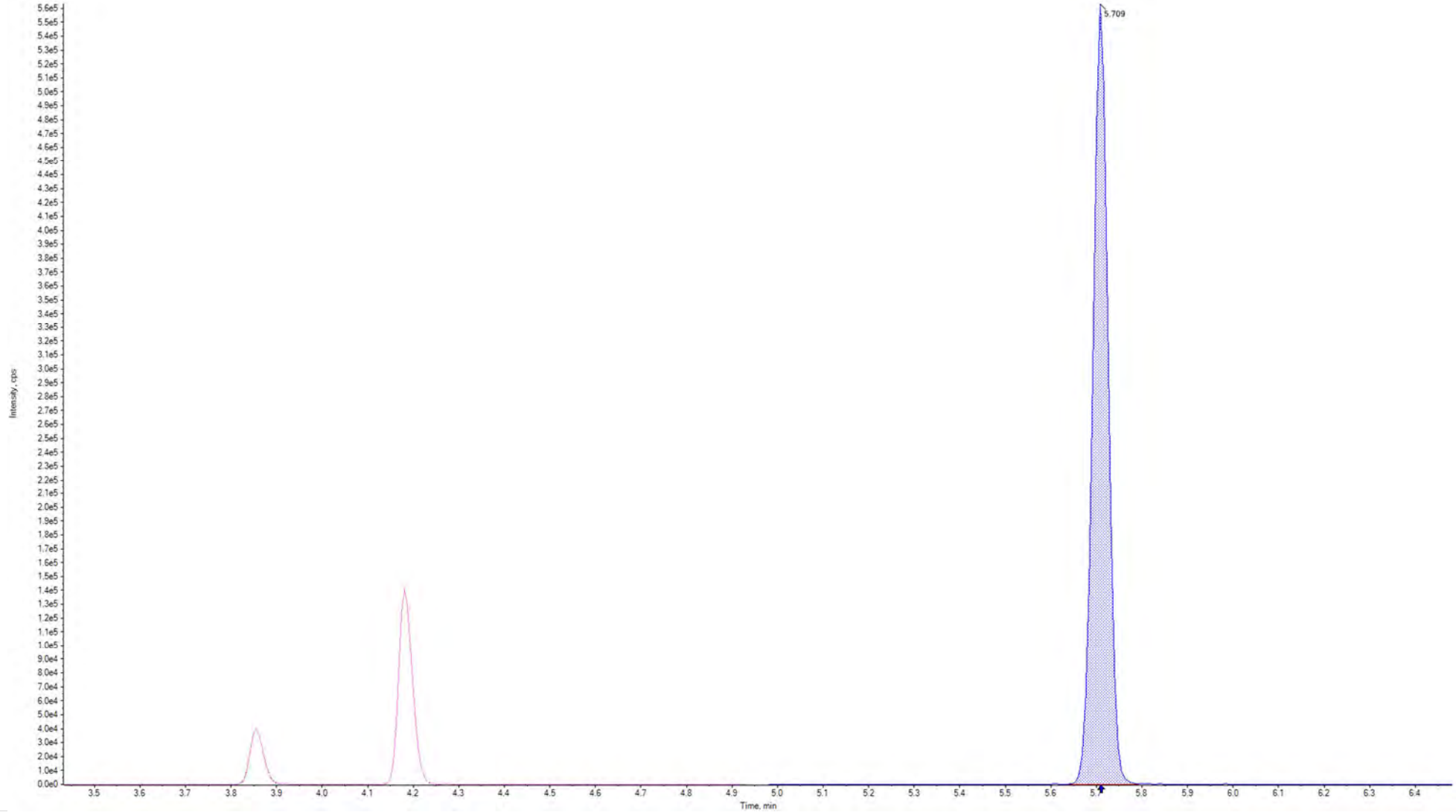
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFDoS_2
Sample: IA1633STD-50 S/N:7504.7 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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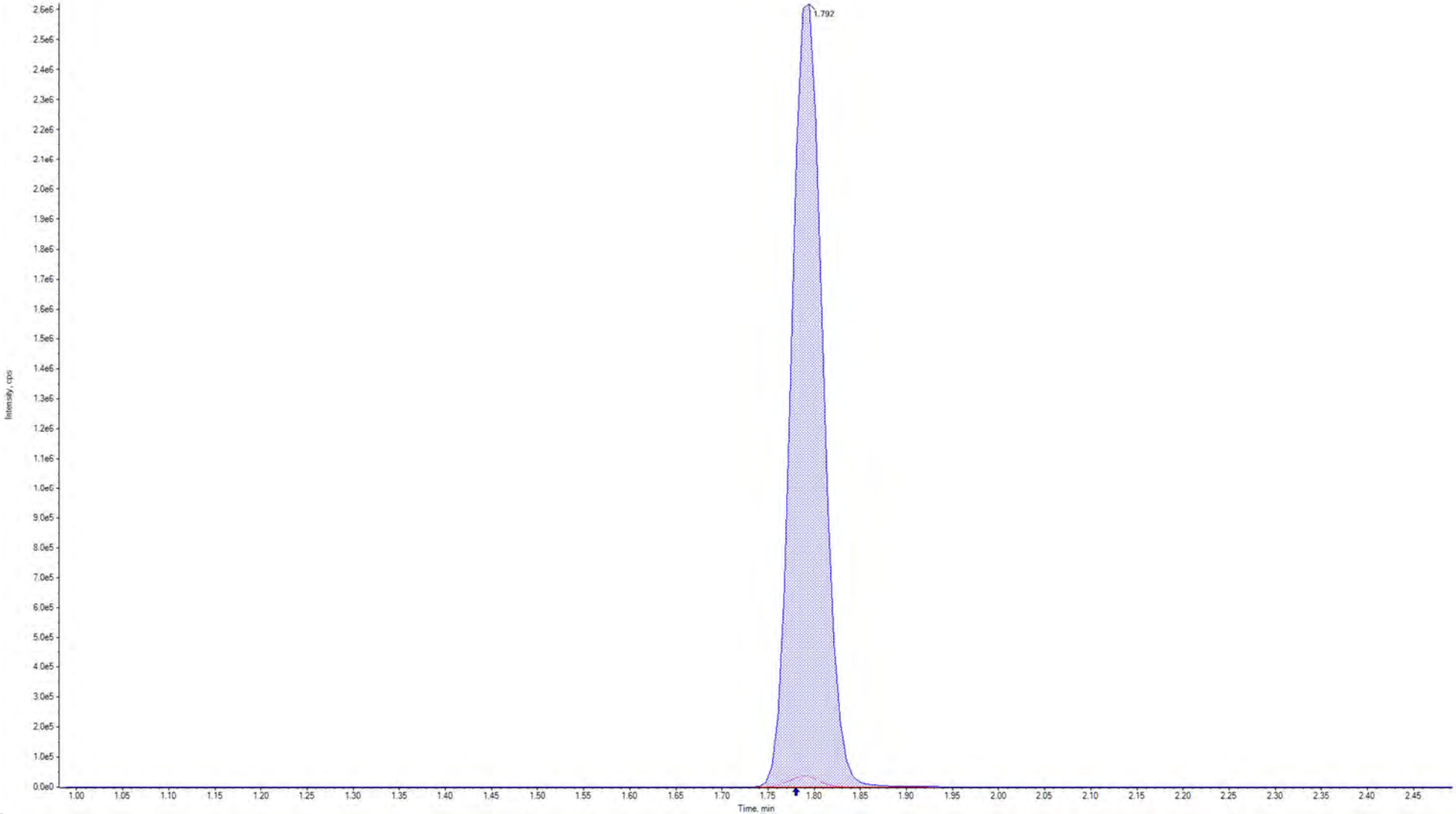
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

4:2FTS
Sample: IA1633STD-50 S/N:15080.6 Points Across peak:37



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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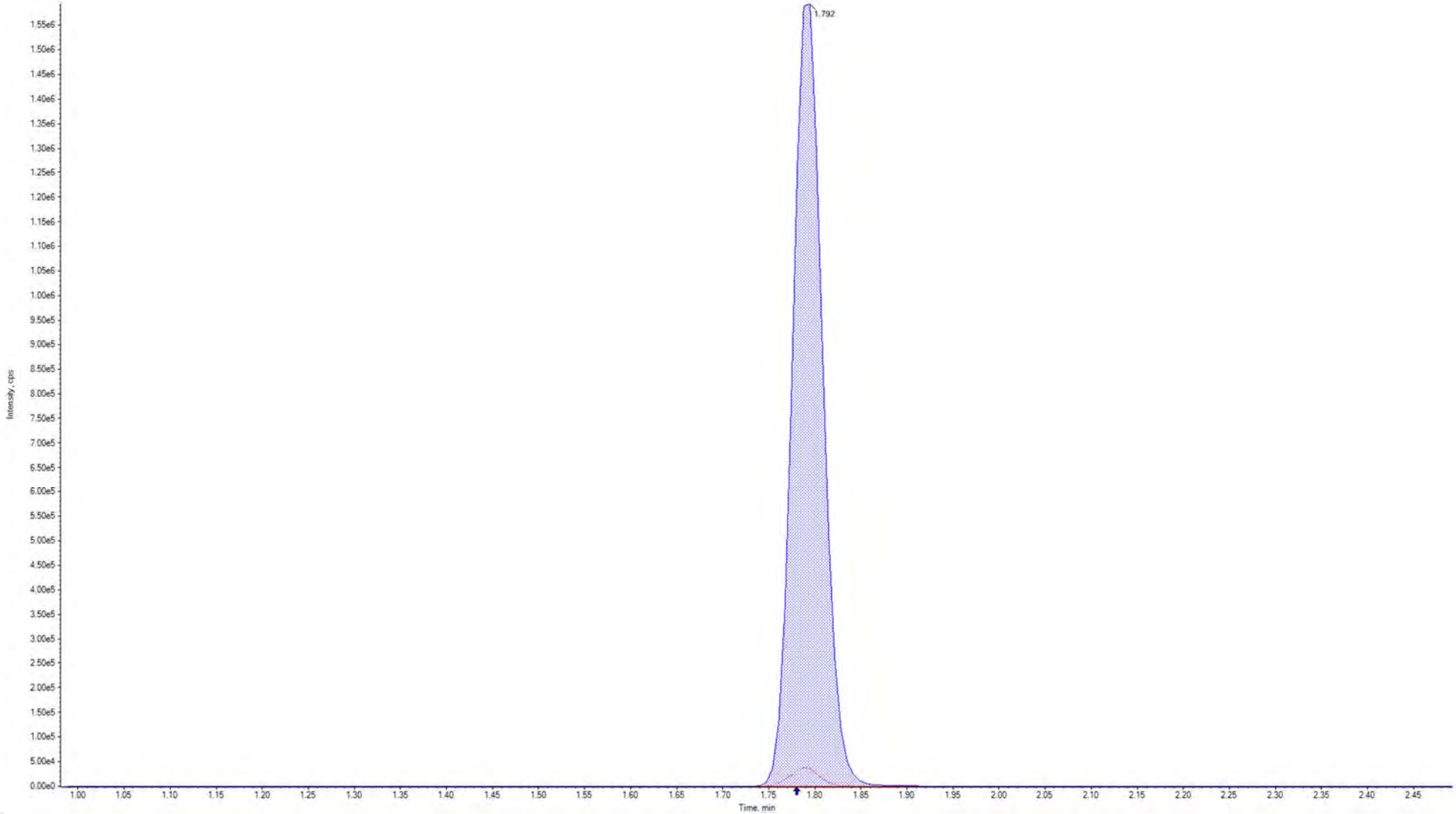
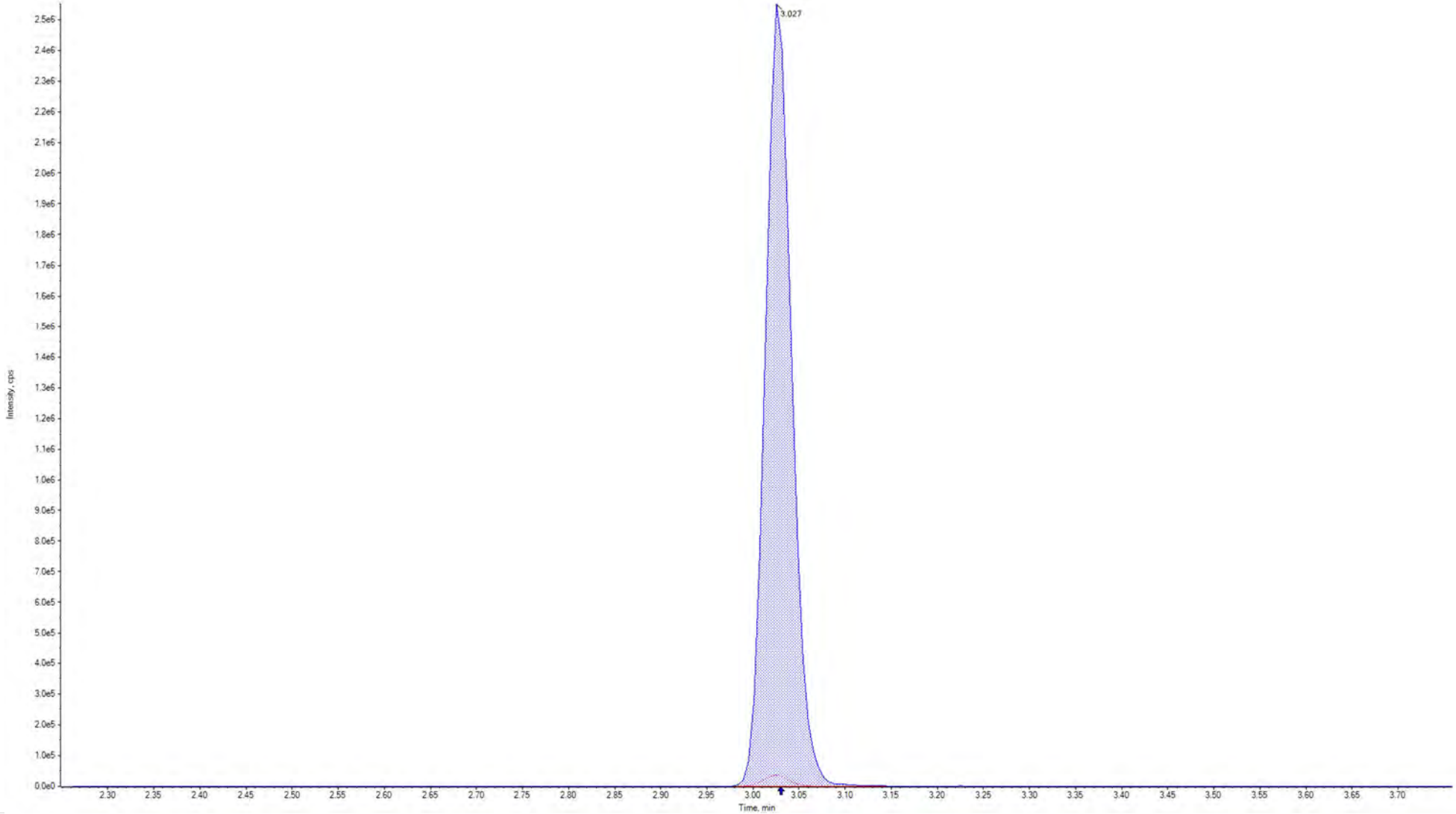
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

4:2FTS_2
Sample: IA1633STD-50 S/N:24088.9 Points Across peak:39



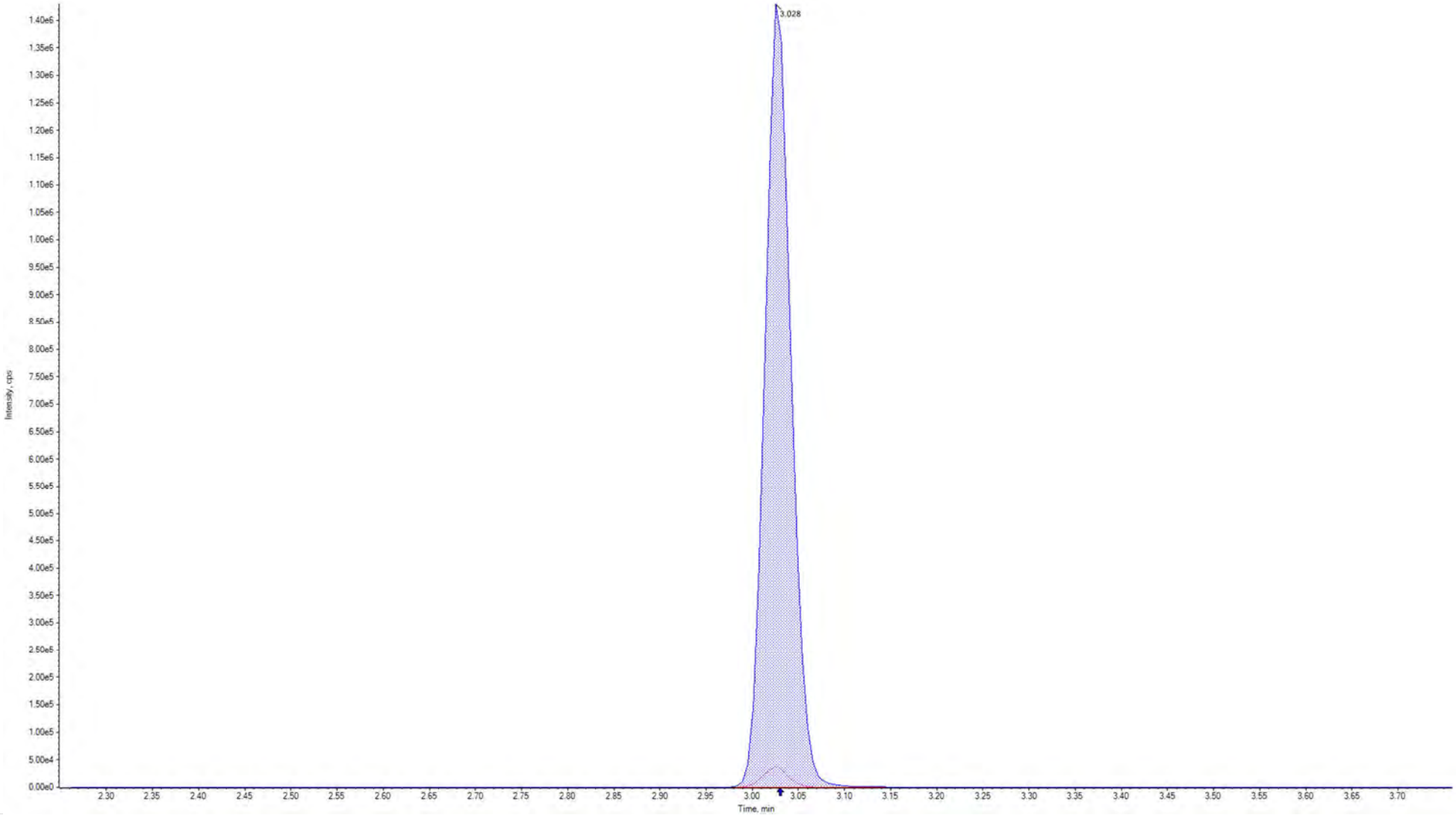
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_32.wiff2_7
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

6:2FTS
Sample: IA1633STD-50 S/N:14310.8 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\250228\SCI07_250228_32.wiff2_7
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

6:2FTS_2
Sample: IA1633STD-50 S/N:17274.6 Points Across peak:36



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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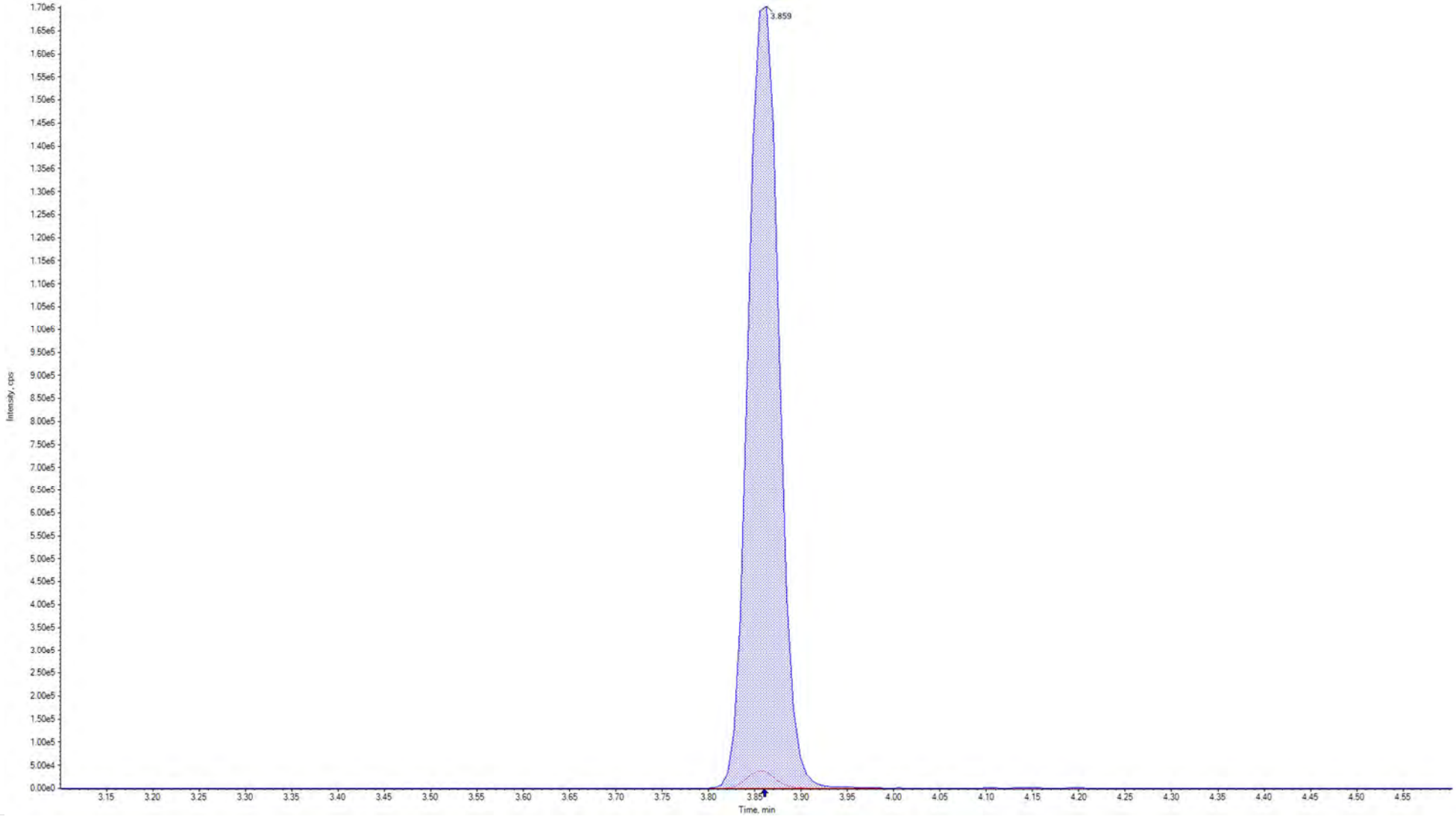
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

8:2FTS
Sample: IA1633STD-50 S/N:8518.6 Points Across peak:33



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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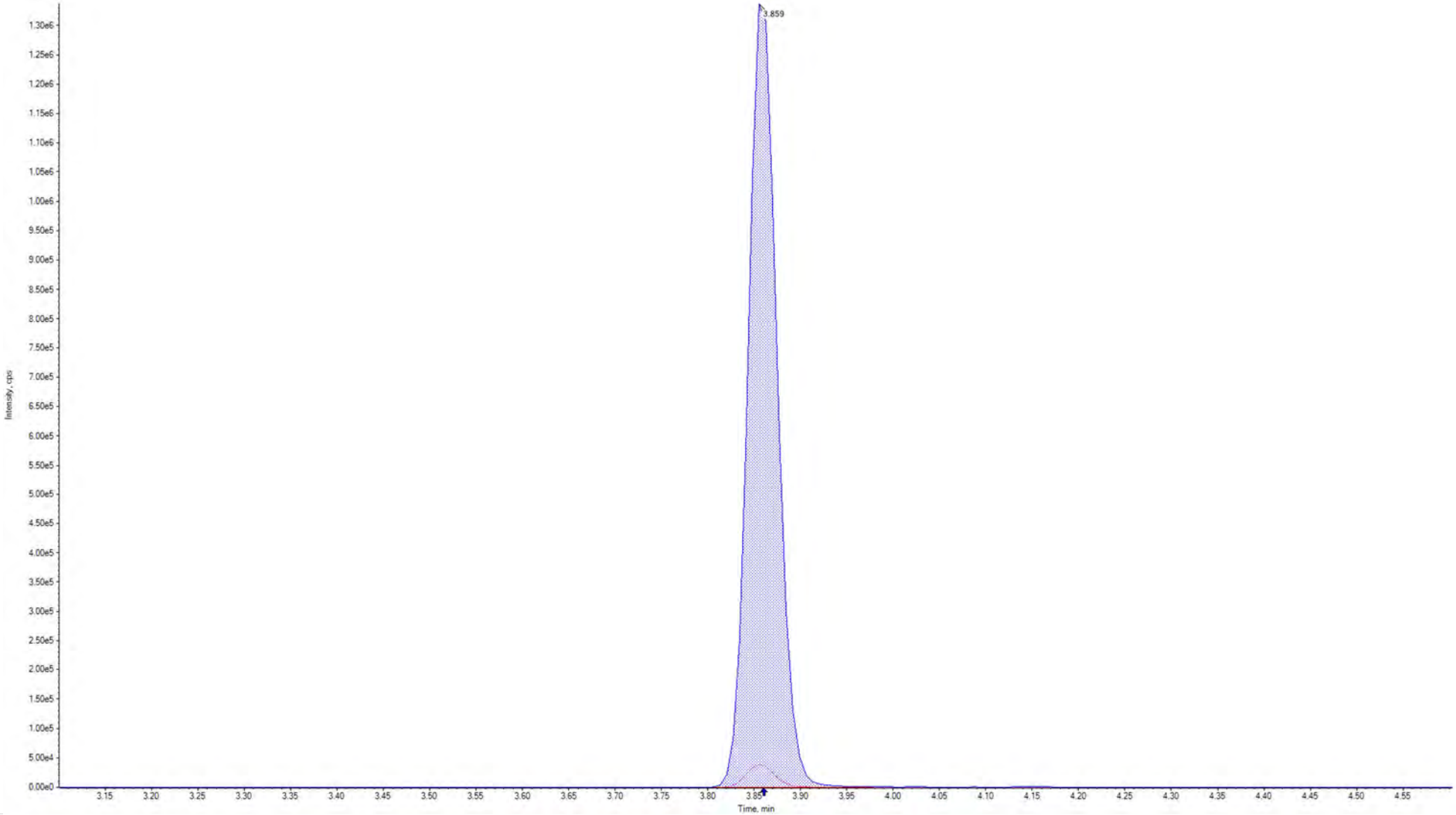
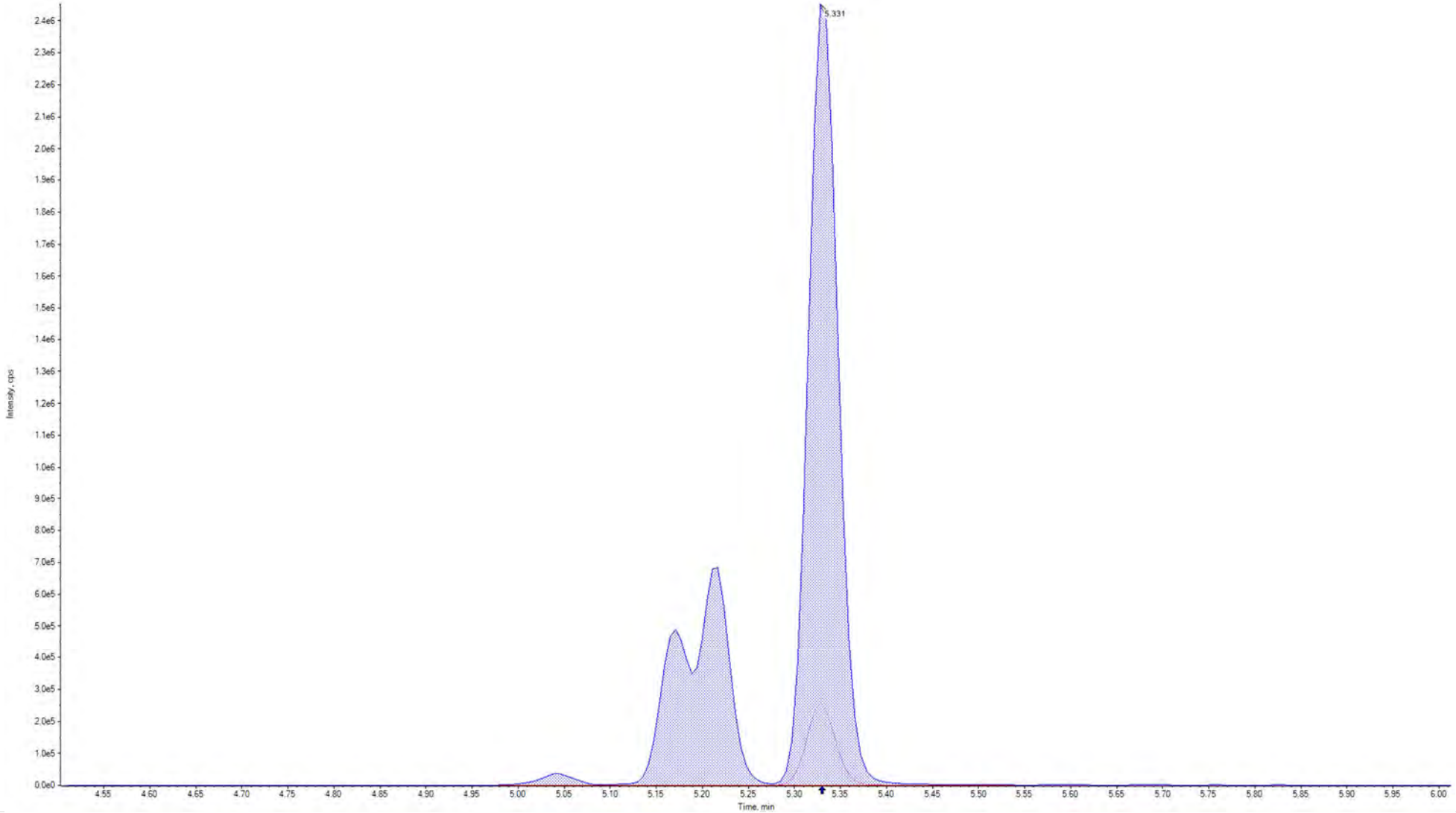
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

8:2FTS_2
Sample: IA1633STD-50 S/N:11038.2 Points Across peak:33



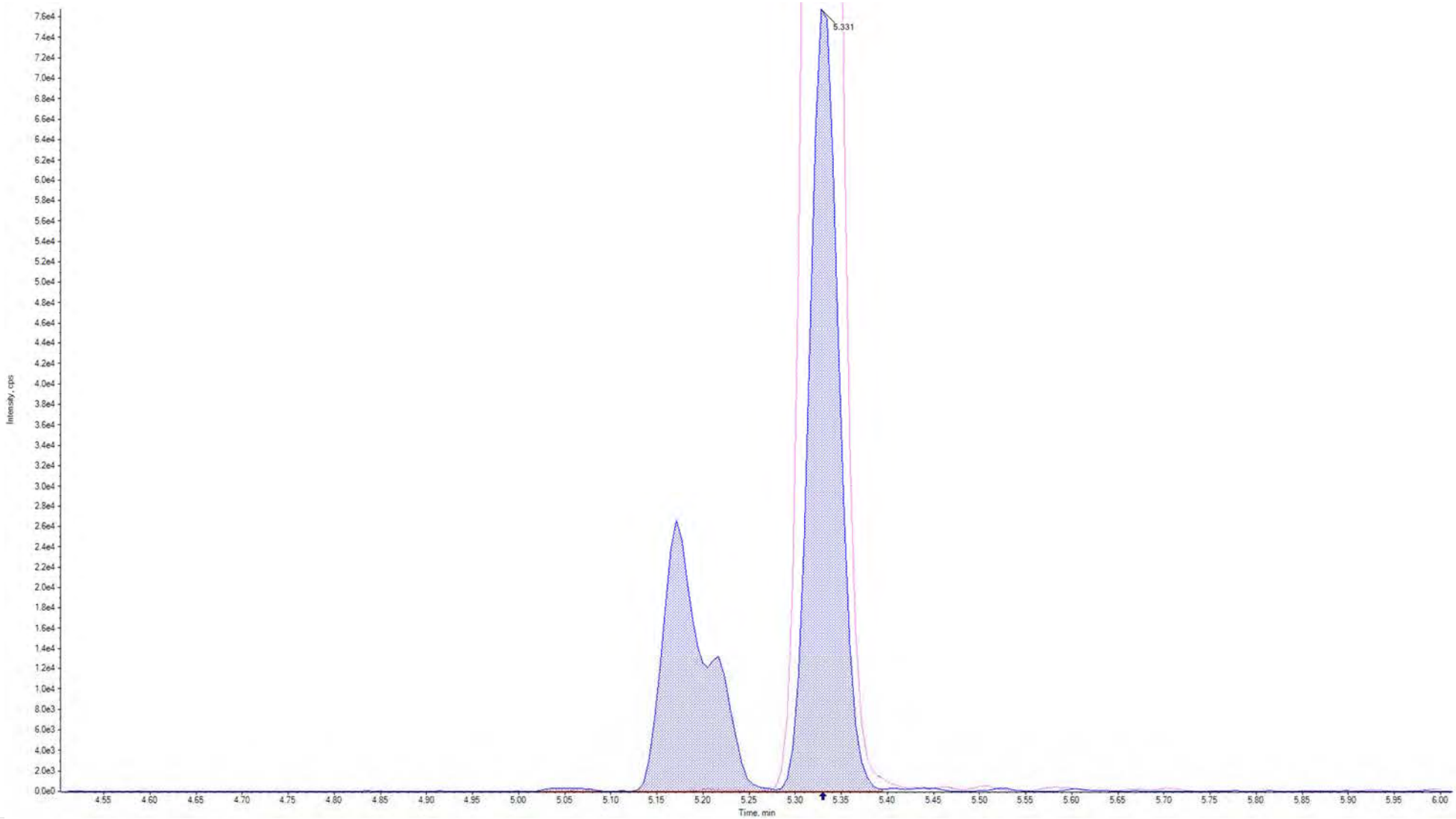
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_32.wiff2_7
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFOSA
Sample: IA1633STD-50 S/N:863.1 Points Across peak:94



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_32.wiff2_7
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

PFOSA_2
Sample: IA1633STD-50 S/N:679.4 Points Across peak:64



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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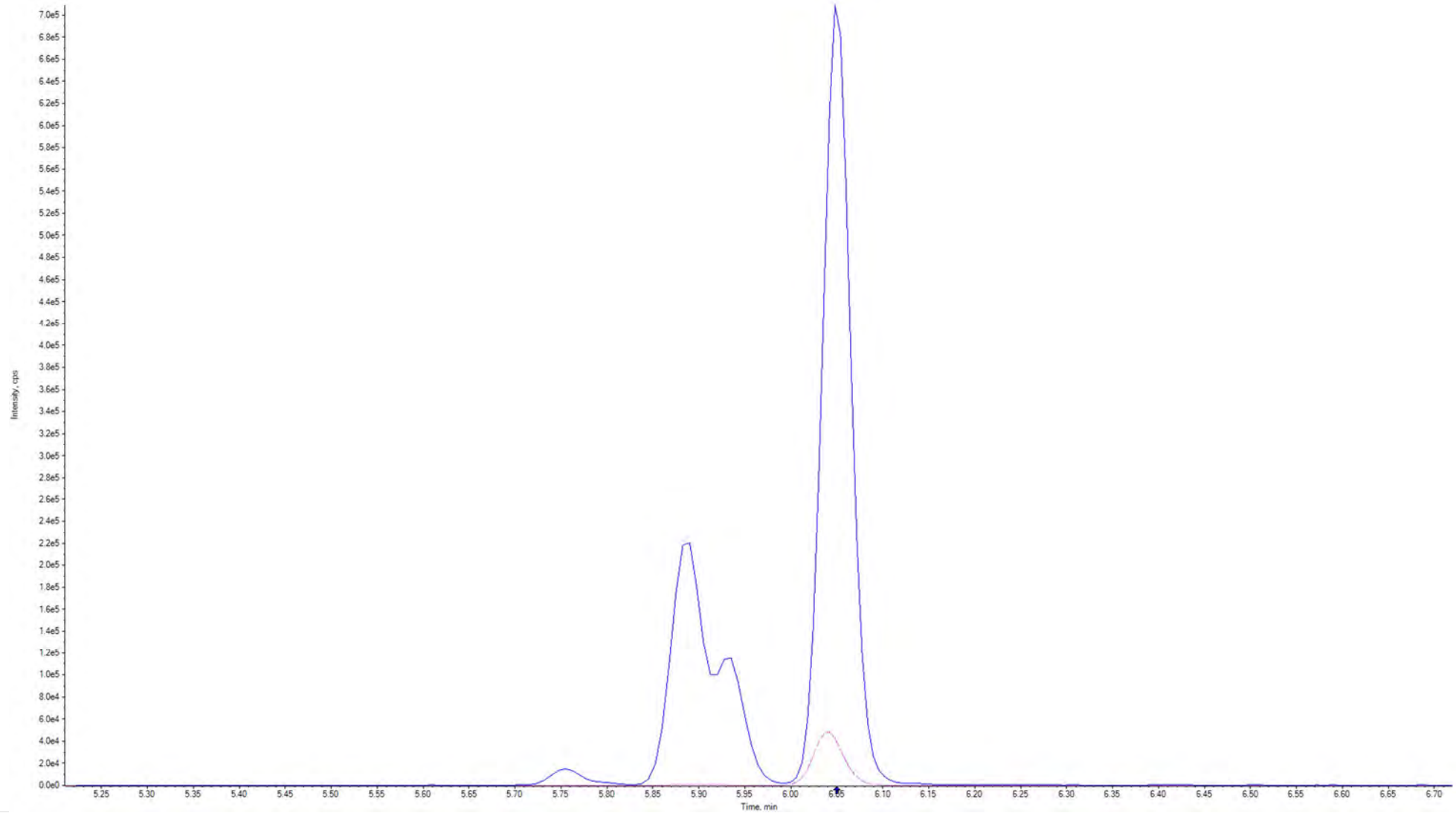
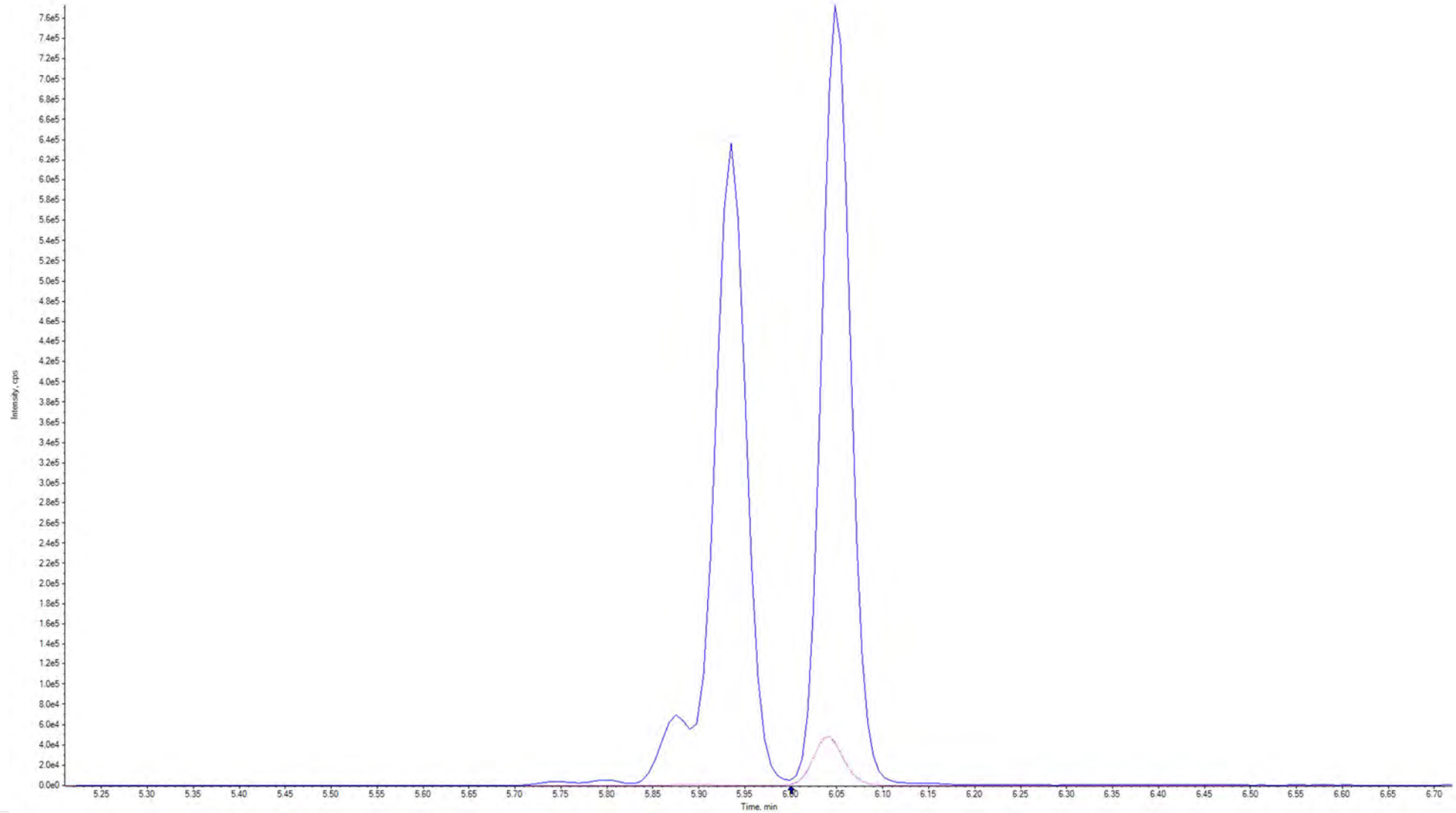
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

NMeFOSA
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\250228\SCI07_250228_32.wiff2_7
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

NMeFOSA_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
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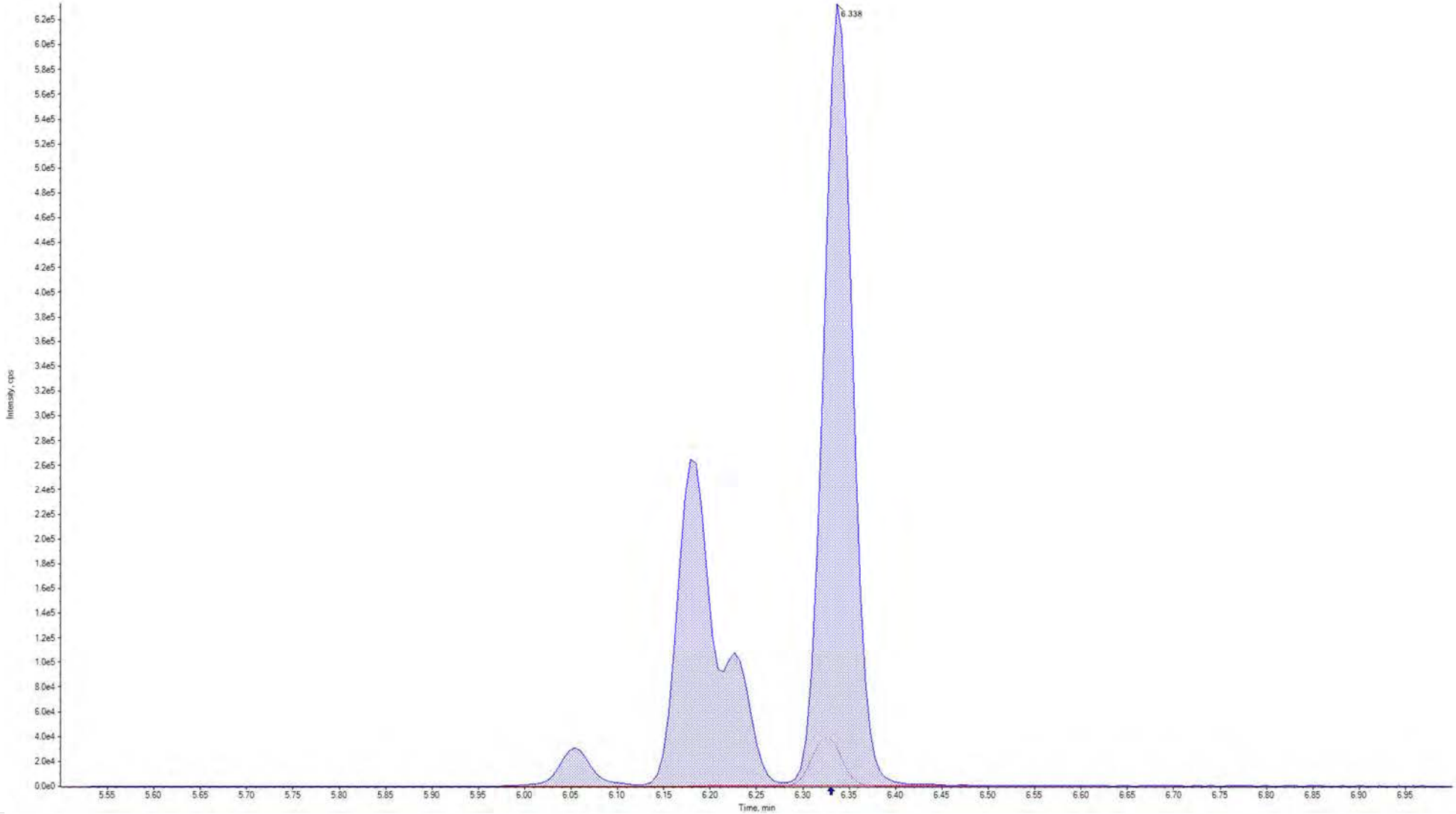
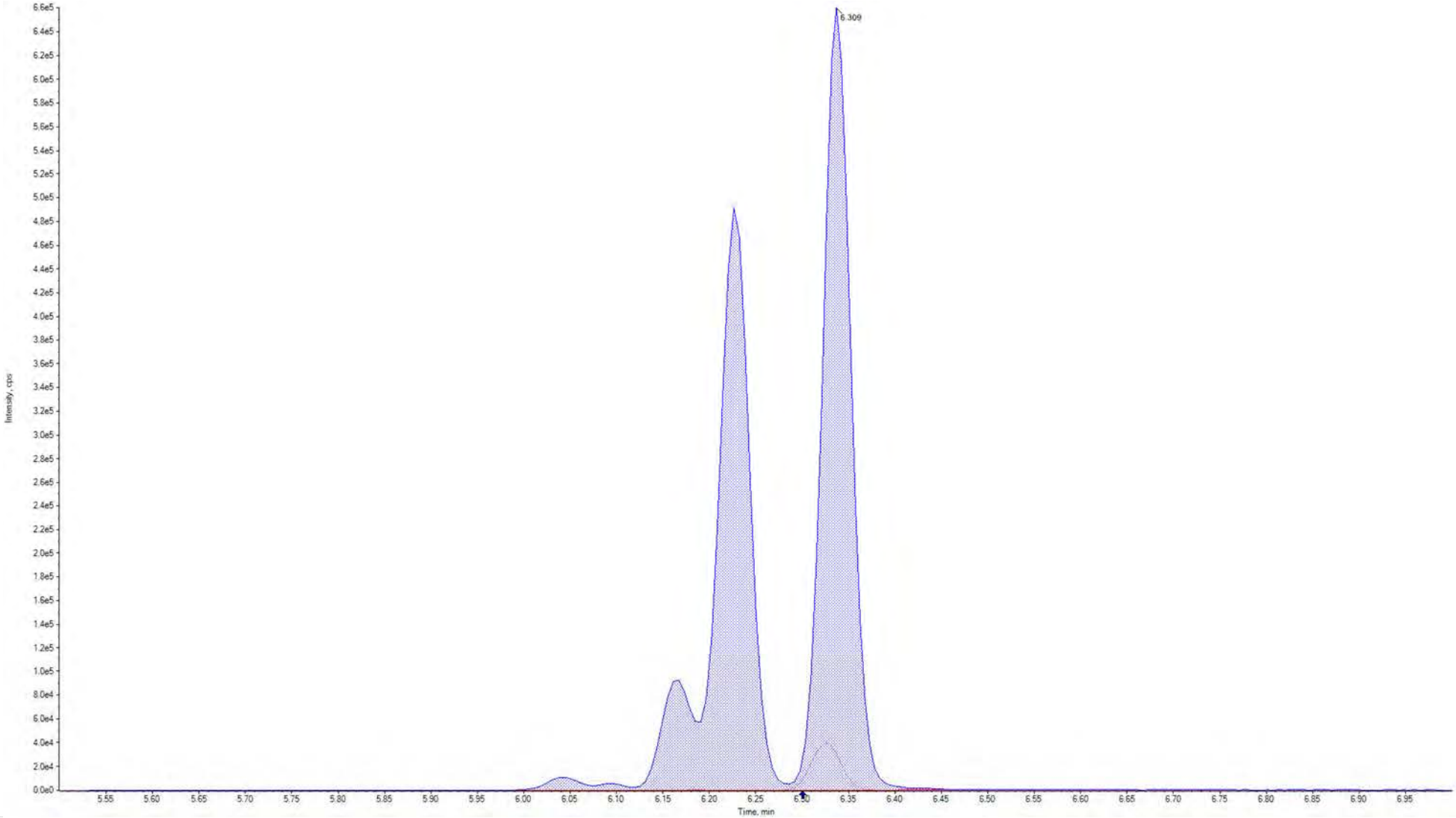
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

NEtFOSA
Sample: IA1633STD-50 S/N:1784.4 Points Across peak:94



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_32.wiff2_7
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

NEtFOSA_2
Sample: IA1633STD-50 S/N:1822.0 Points Across peak:108



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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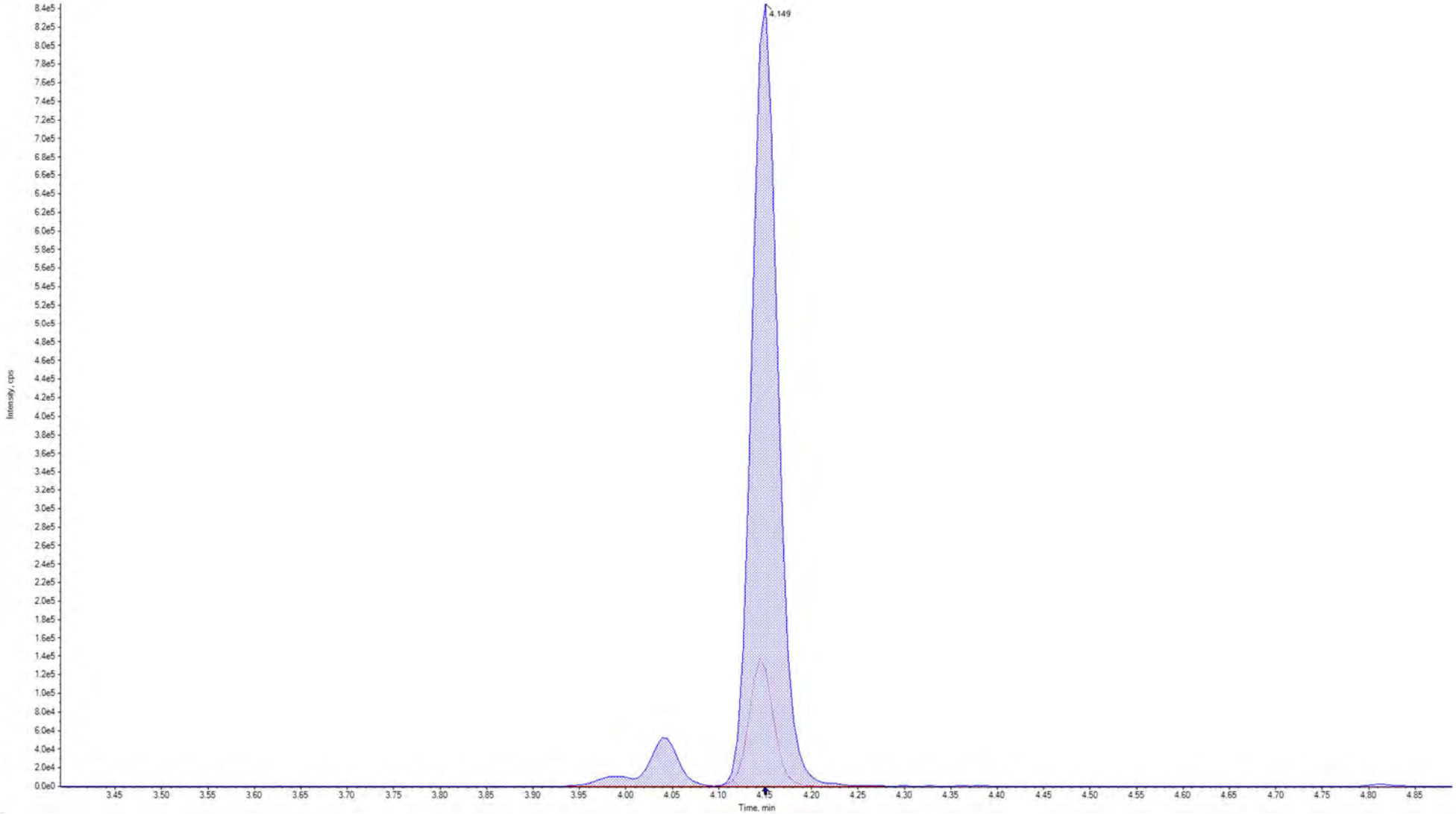
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

NMeFOSAA
Sample: IA1633STD-50 S/N:2121.6 Points Across peak:61



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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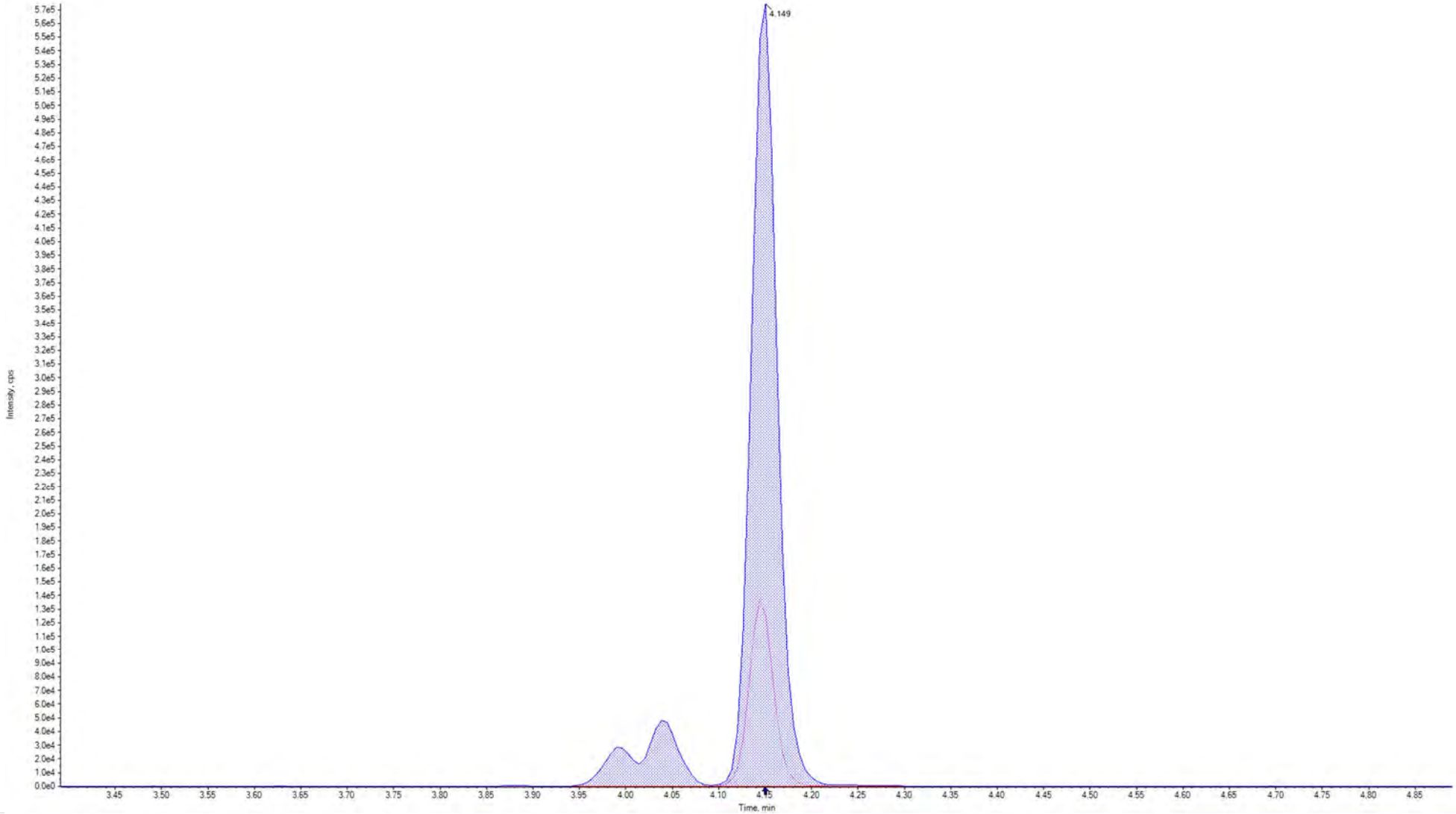
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

NMeFOSAA_2
Sample: IA1633STD-50 S/N:2305.4 Points Across peak:65



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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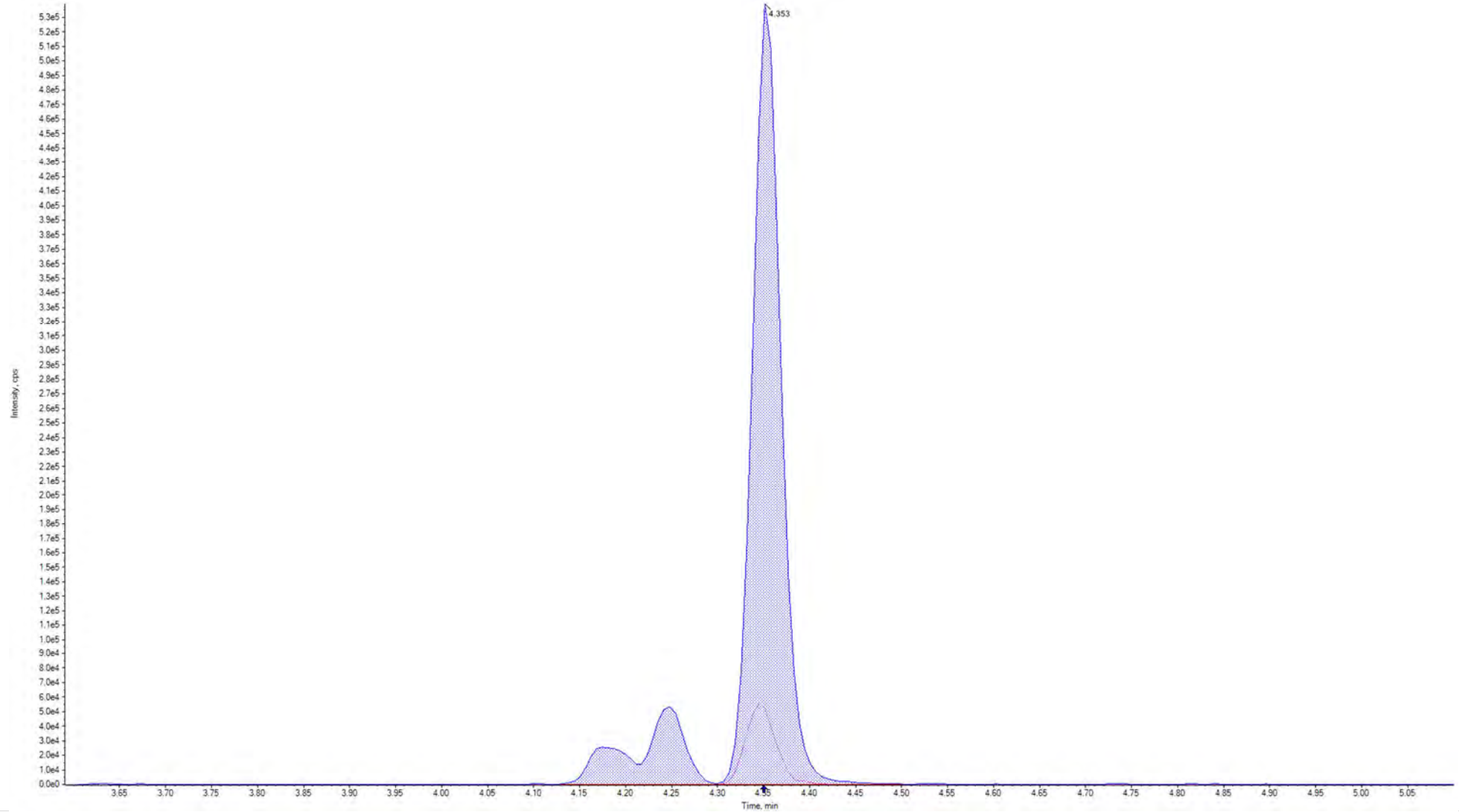
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

NEtFOSAA
Sample: IA1633STD-50 S/N:1831.1 Points Across peak:64



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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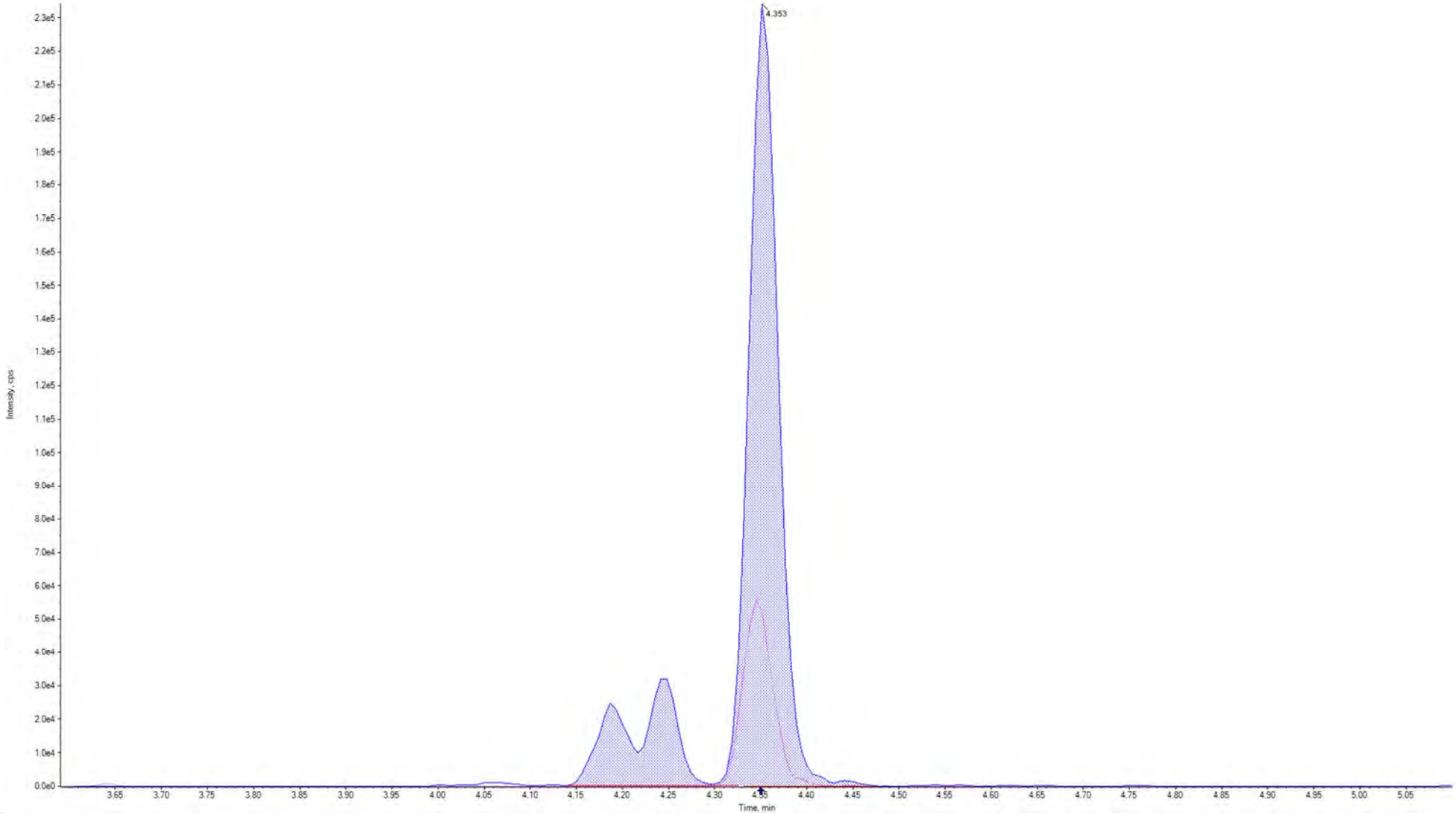
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

NEtFOSAA_2
Sample: IA1633STD-50 S/N:879.6 Points Across peak:59



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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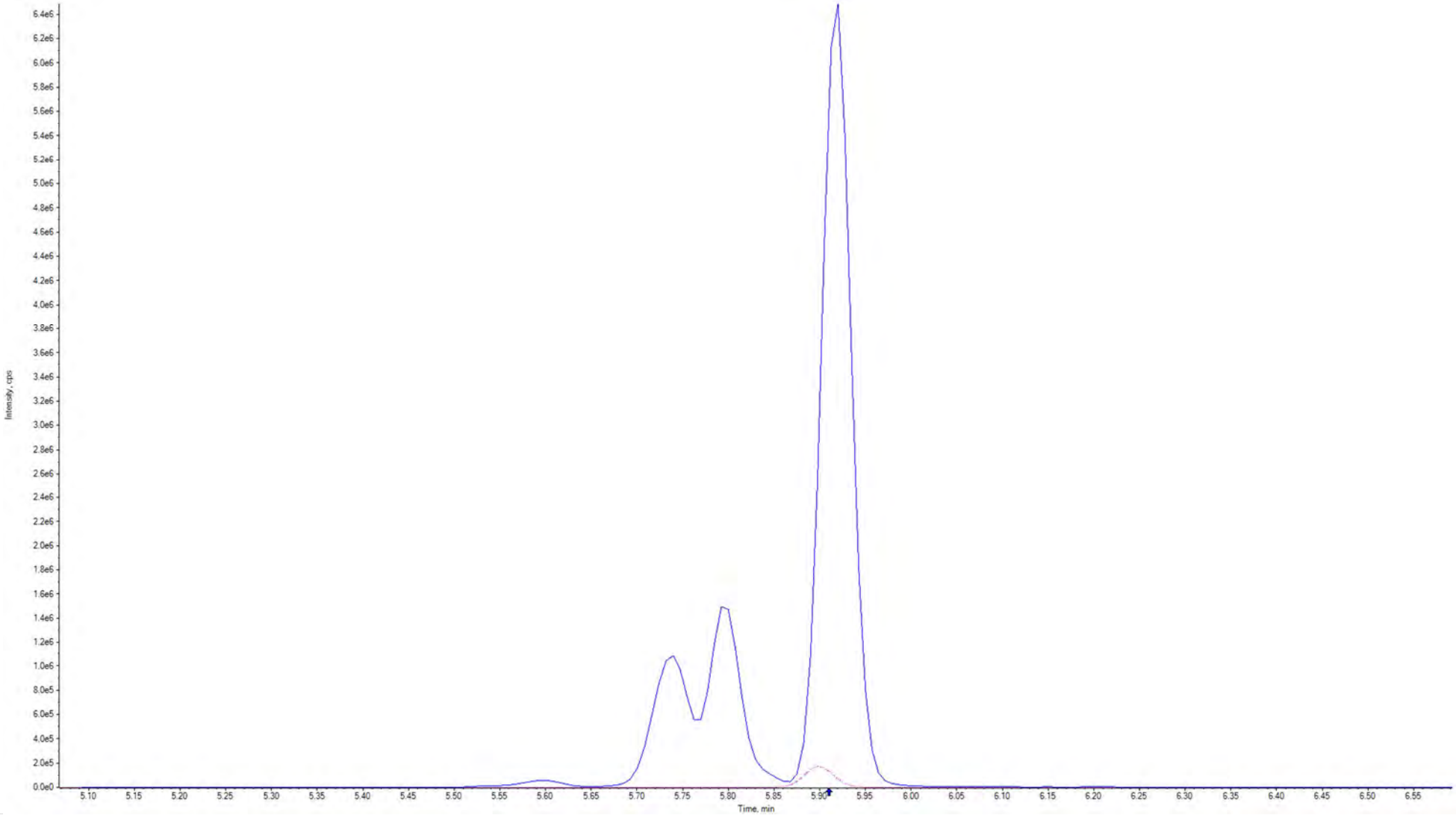
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

NMeFOSE
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
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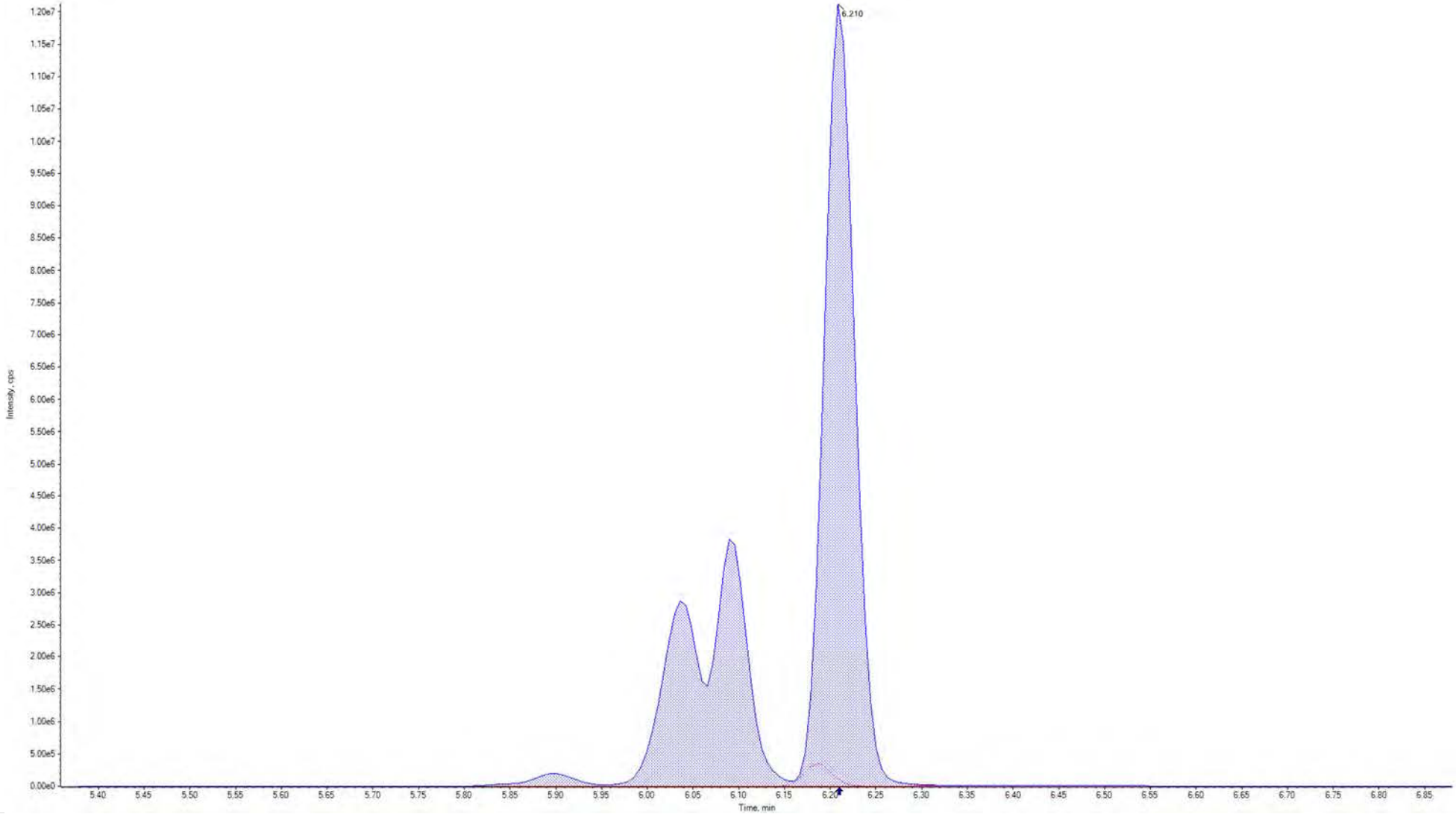
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

NEtFOSE
Sample: IA1633STD-50 S/N:1452.9 Points Across peak:105



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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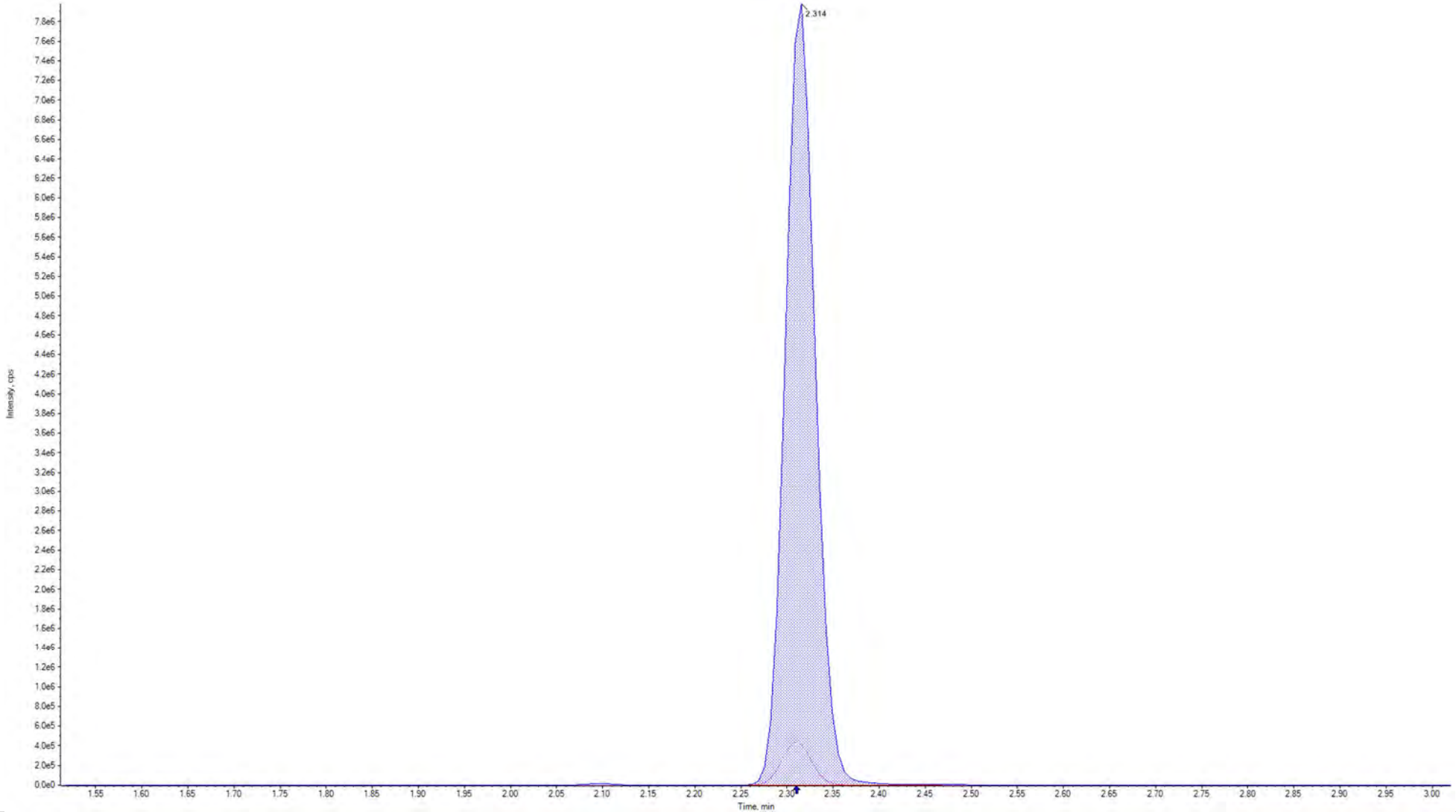
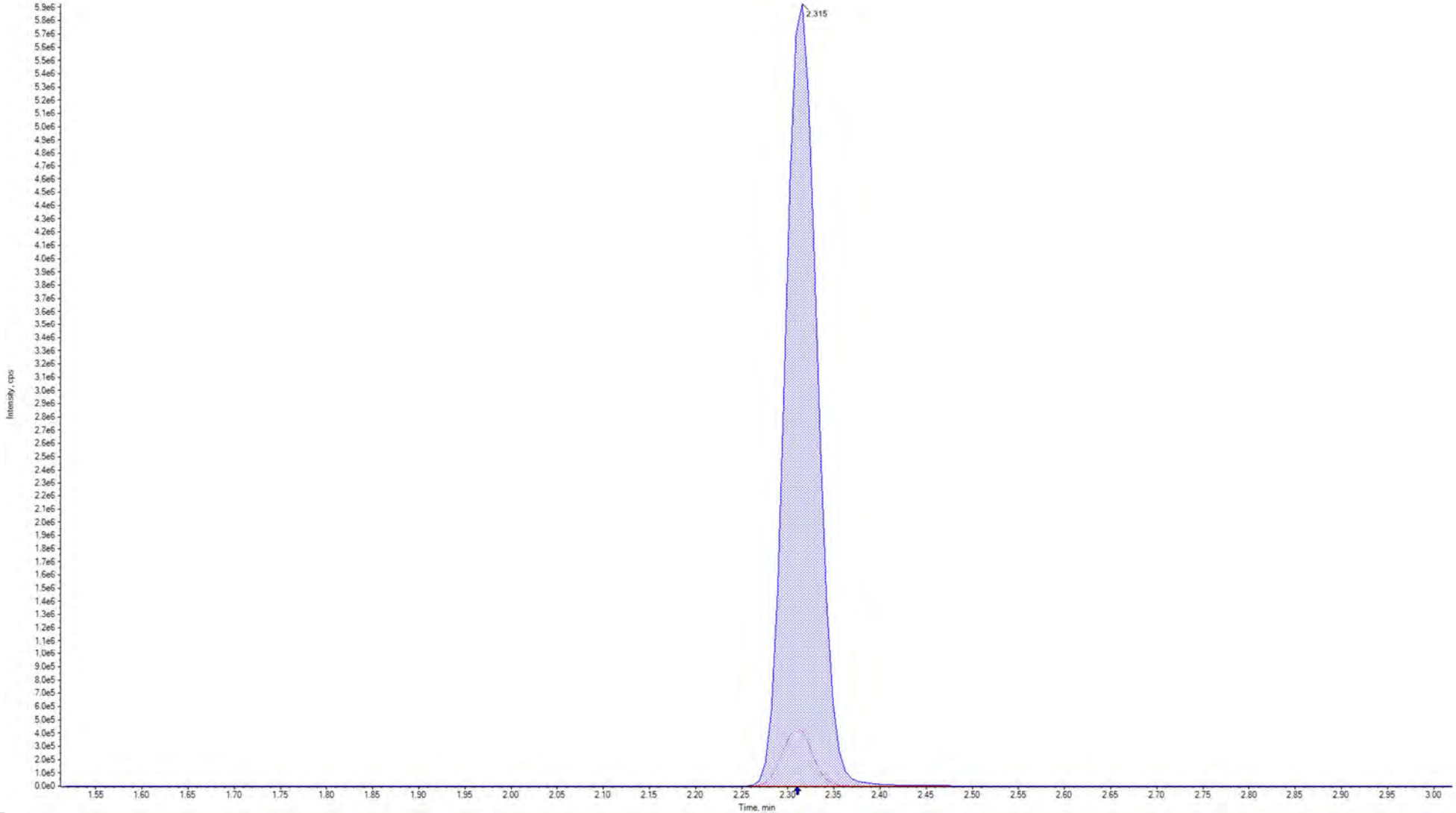
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

HFPO-DA
Sample: IA1633STD-50 S/N:139969.2 Points Across peak:35



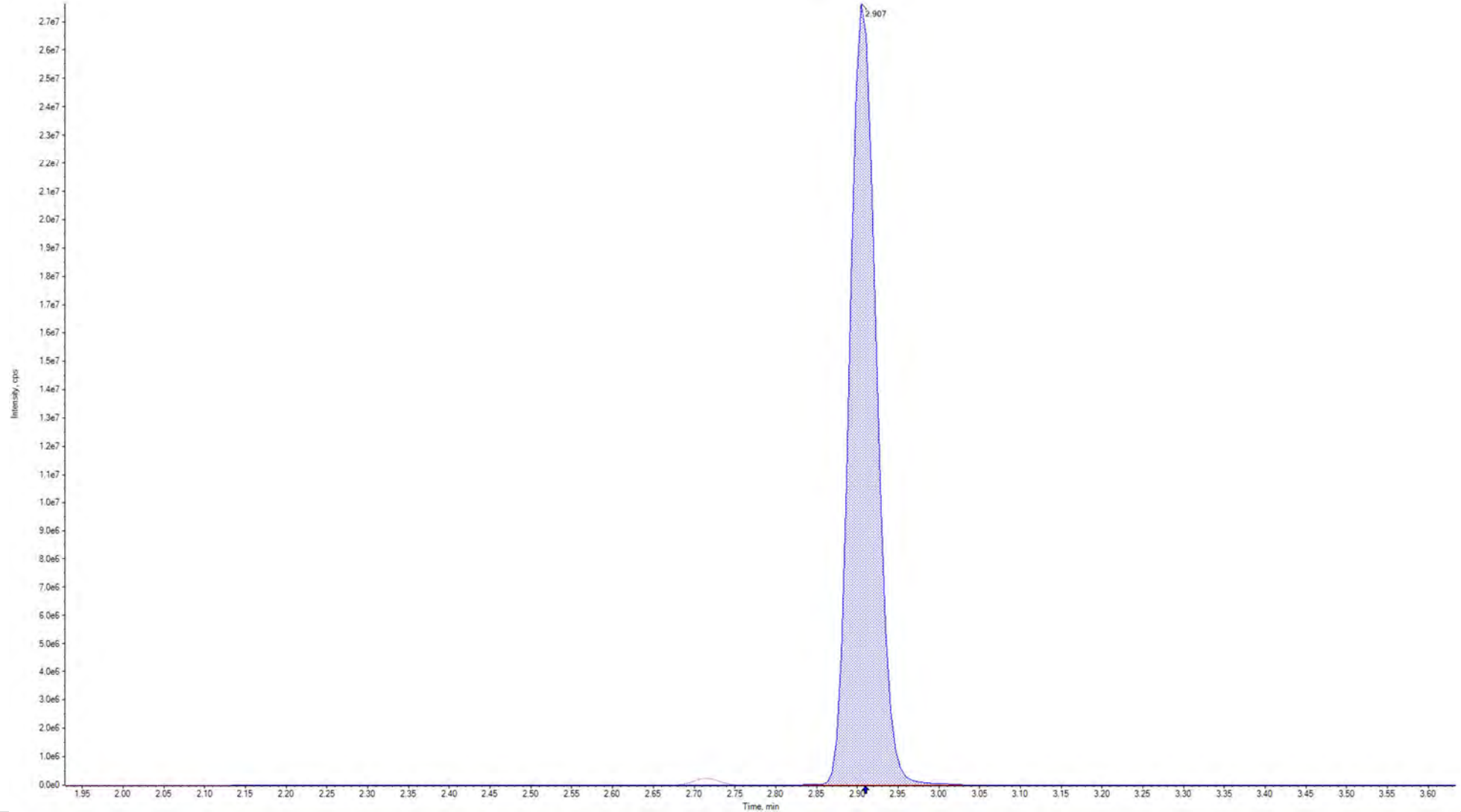
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_32.wiff2_7
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

HFPO-DA_2
Sample: IA1633STD-50 S/N:74904.8 Points Across peak:37



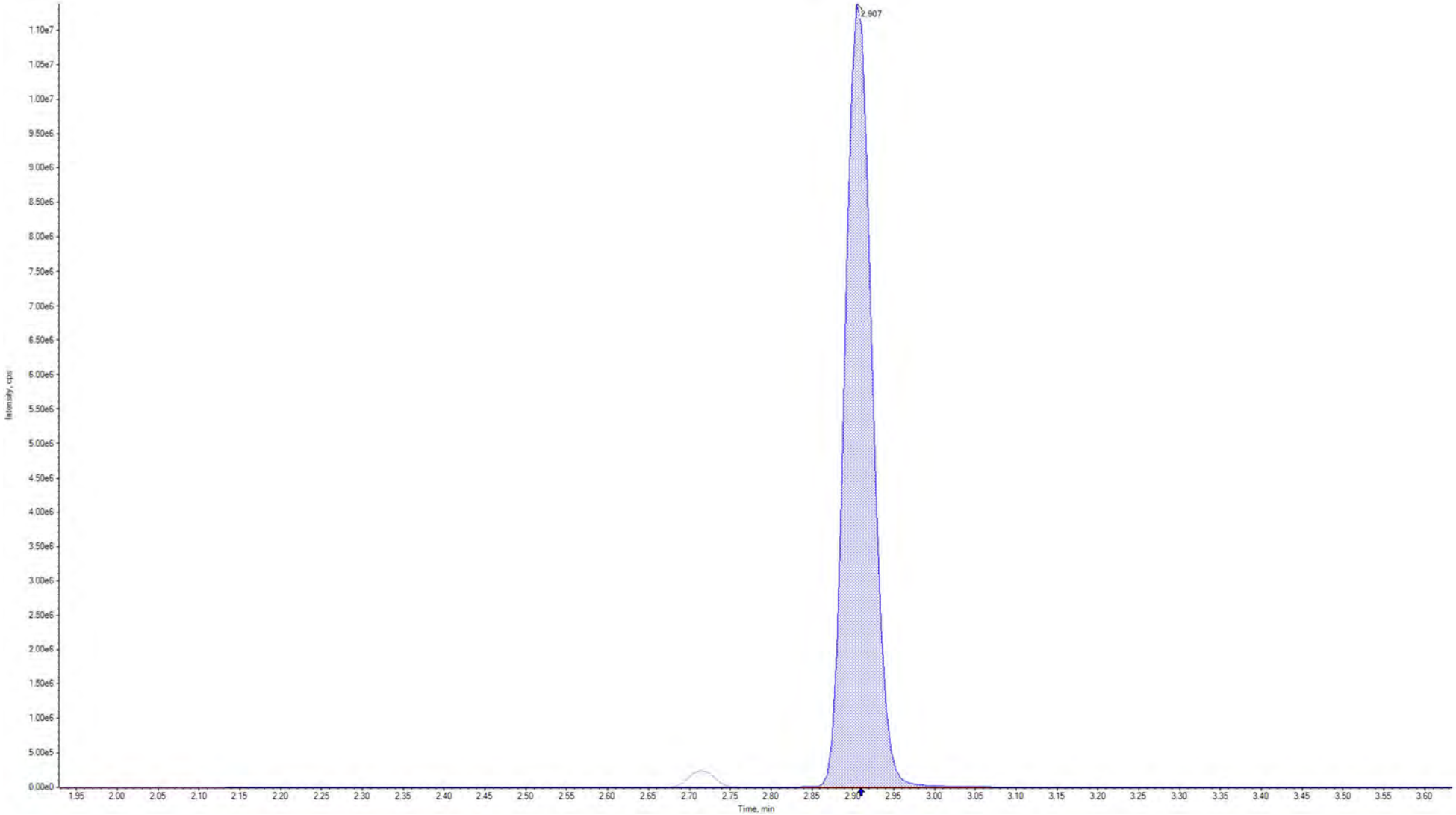
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_32.wiff2_7
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

ADONA
Sample: IA1633STD-50 S/N:54010.2 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\250228\SCI07_250228_32.wiff2_7
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

ADONA_2
Sample: IA1633STD-50 S/N:142598.6 Points Across peak:49



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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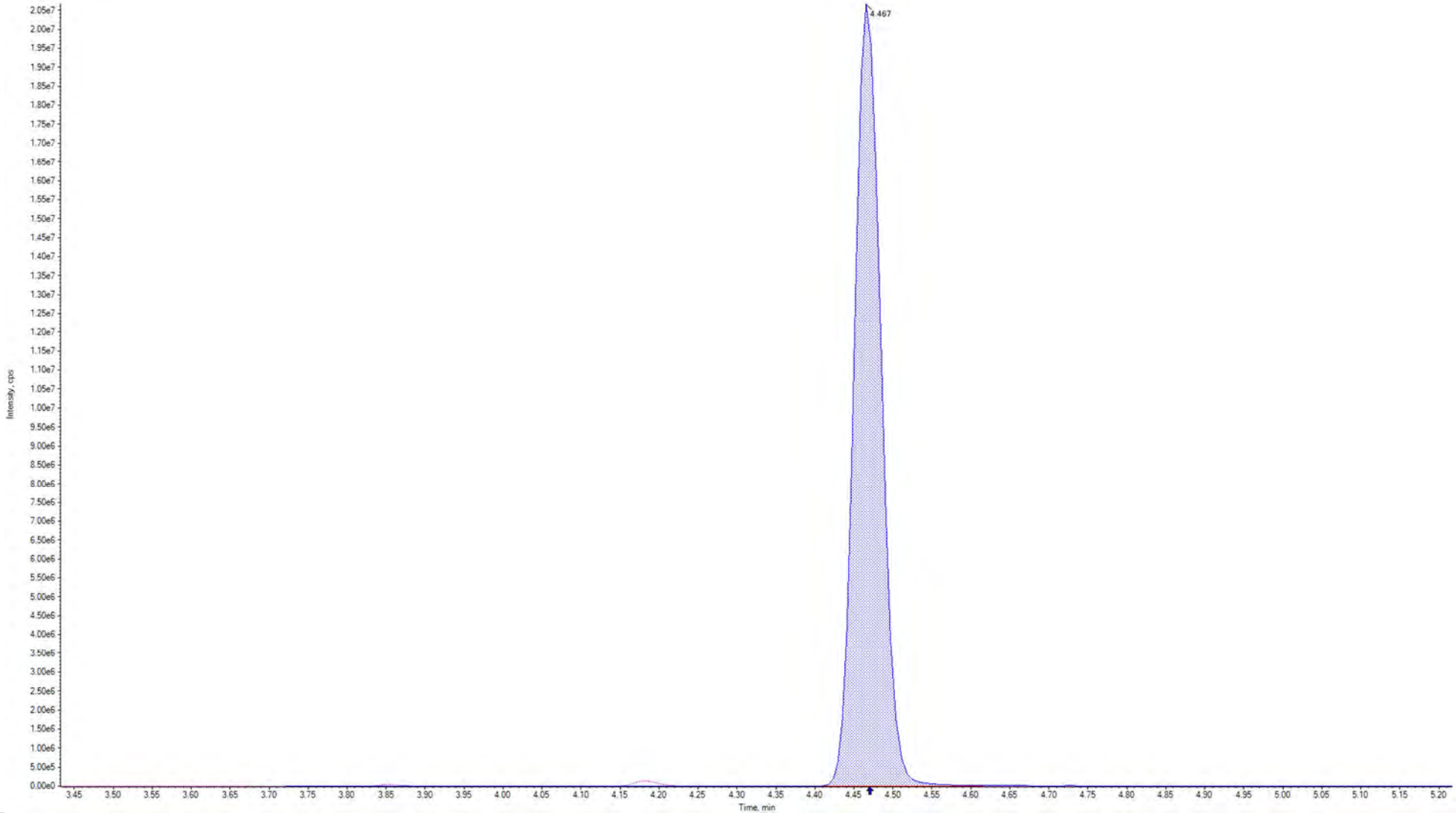
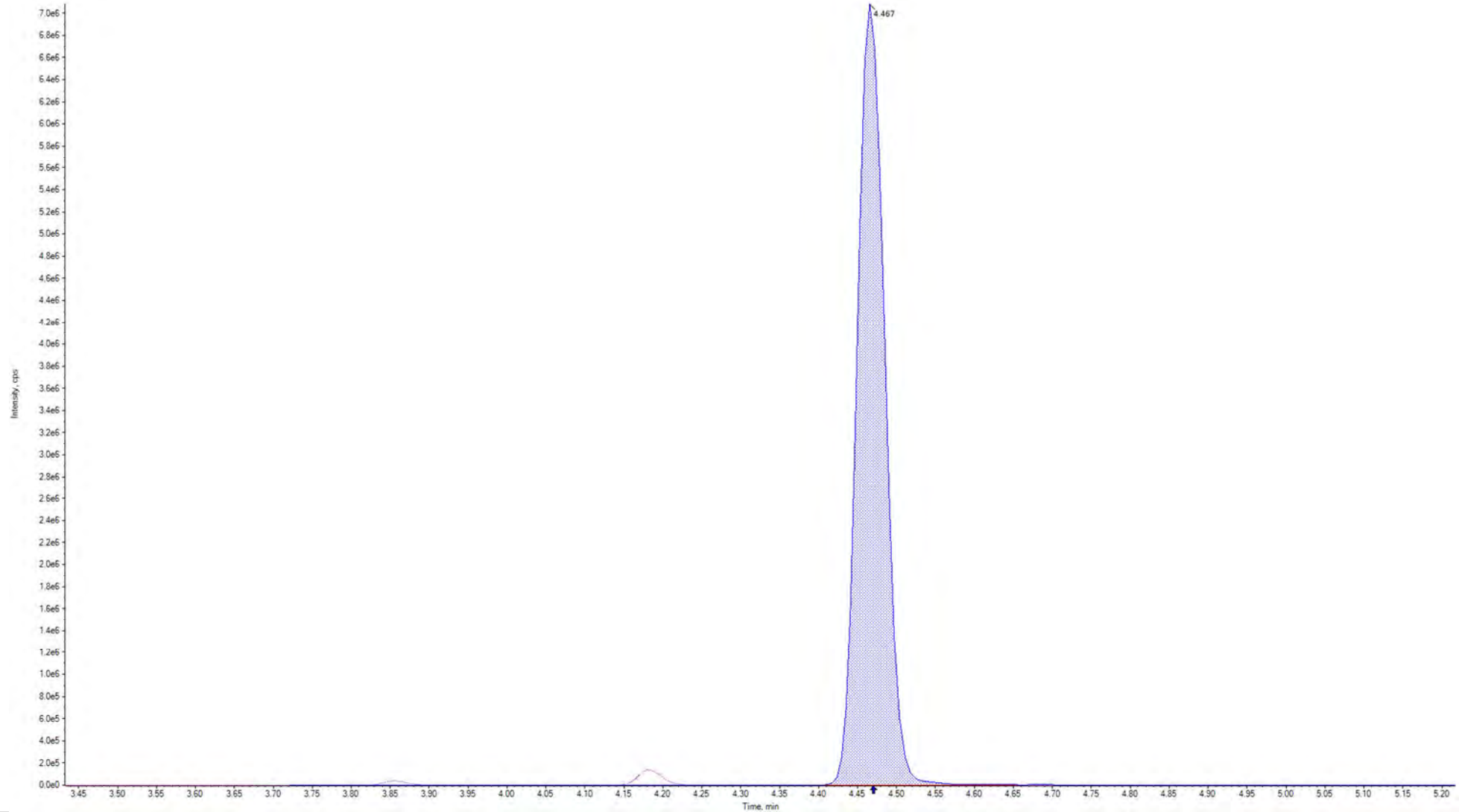
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

9Cl-PF3ONS
Sample: IA1633STD-50 S/N:7821.6 Points Across peak:35



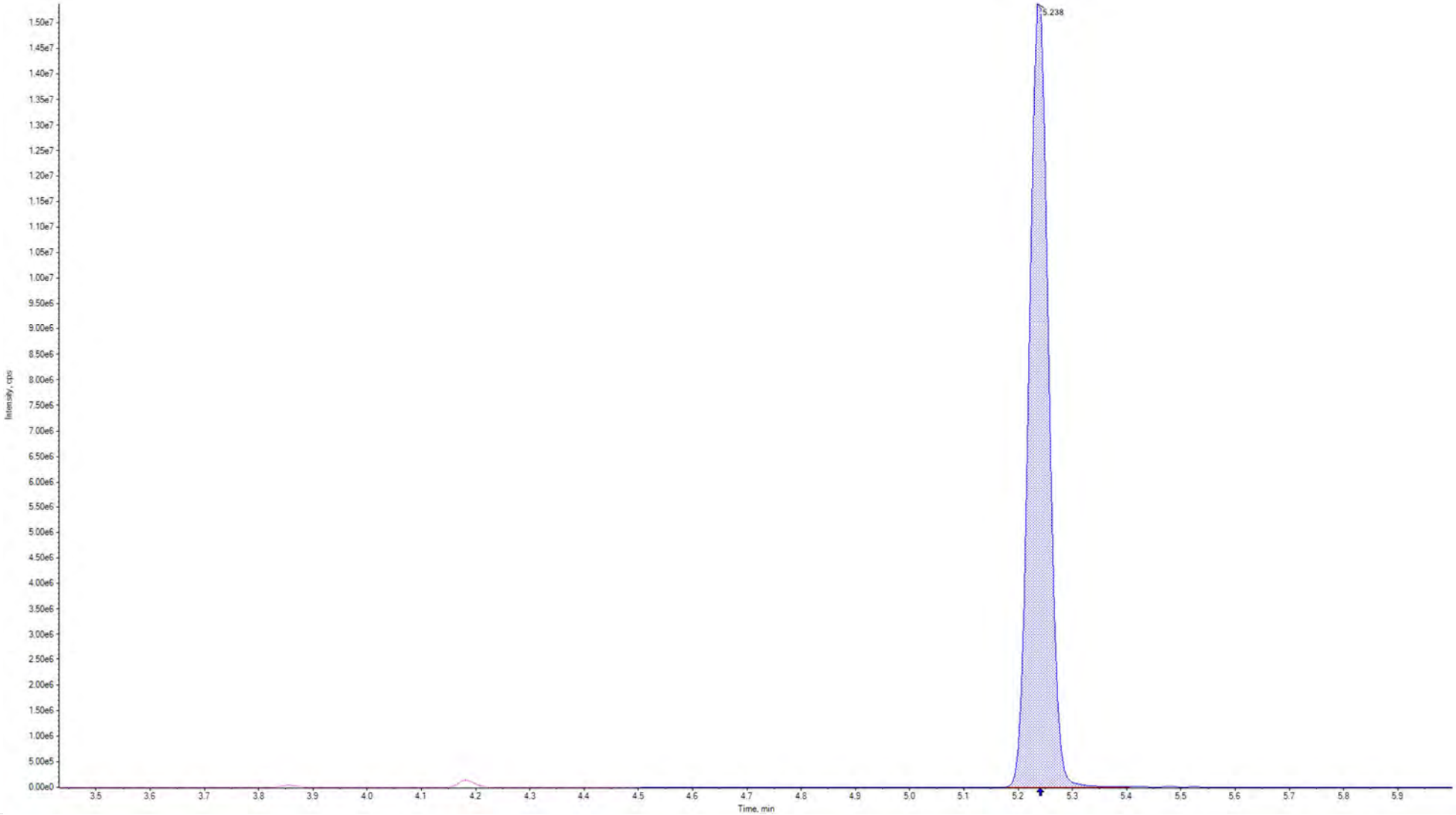
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_32.wiff2_7
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

9Cl-PF3ONS_2
Sample: IA1633STD-50 S/N:11503.0 Points Across peak:44



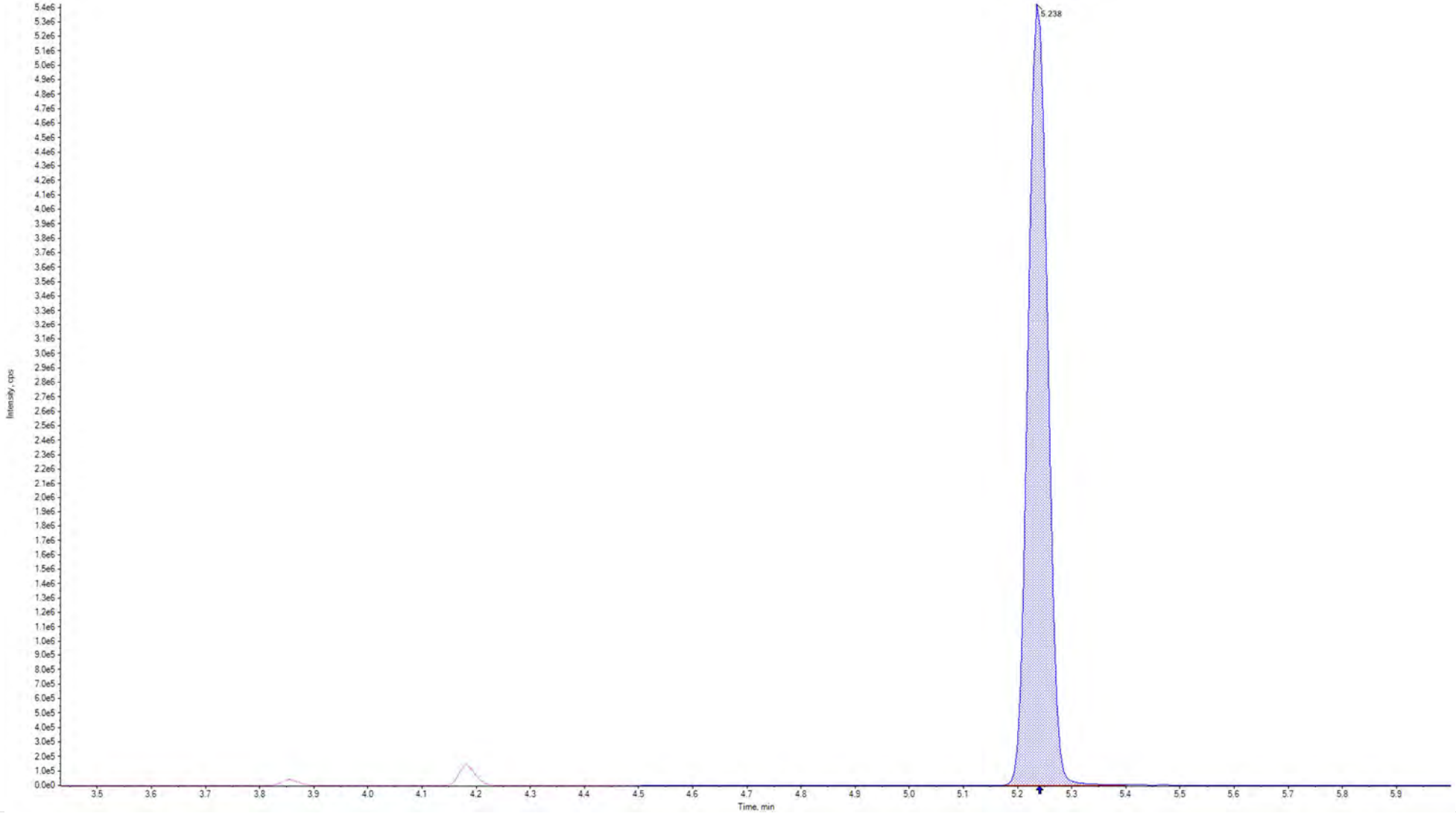
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_32.wiff2_7
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

11Cl-PF3OUdS
Sample: IA1633STD-50 S/N:8957.9 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\250228\SCI07_250228_32.wiff2_7
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

11Cl-PF3OUdS_2
Sample: IA1633STD-50 S/N:8114.3 Points Across peak:41



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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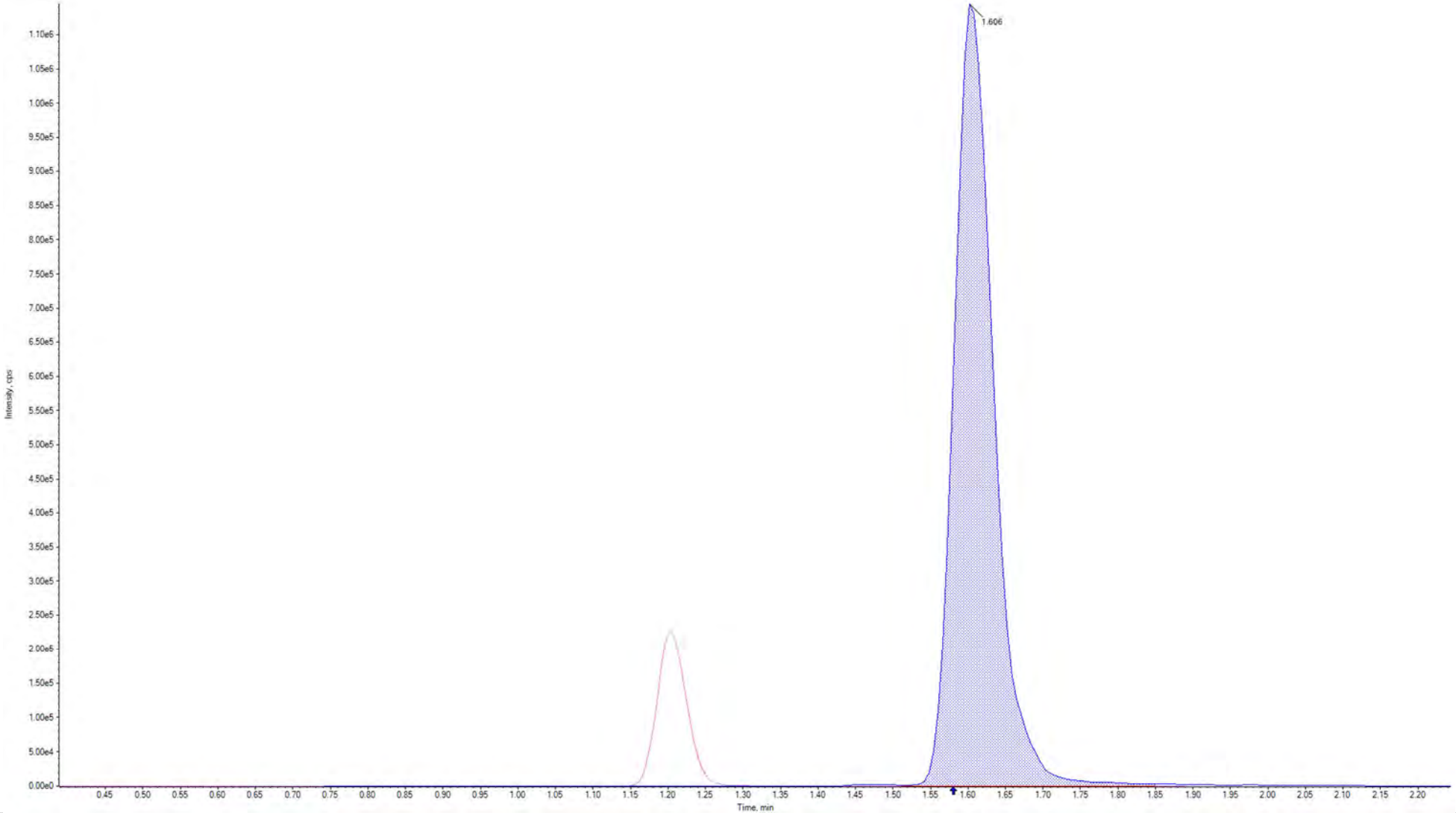
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

3:3FTCA
Sample: IA1633STD-50 S/N:6802.7 Points Across peak:54



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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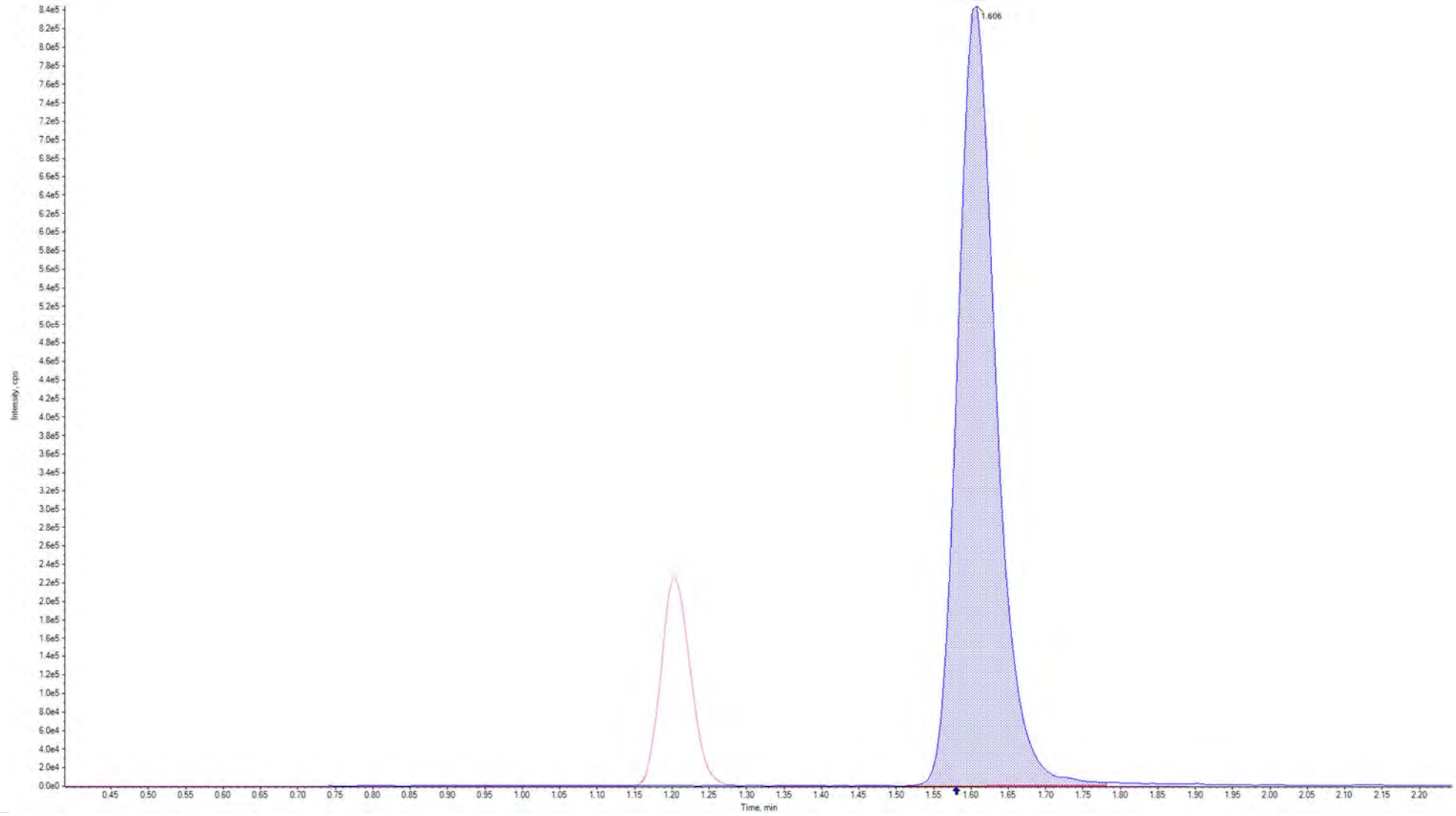
Generated: 2/28/2025 12:43:00 PM

3:3FTCA_2
Sample: IA1633STD-50 S/N:5442.0 Points Across peak:45



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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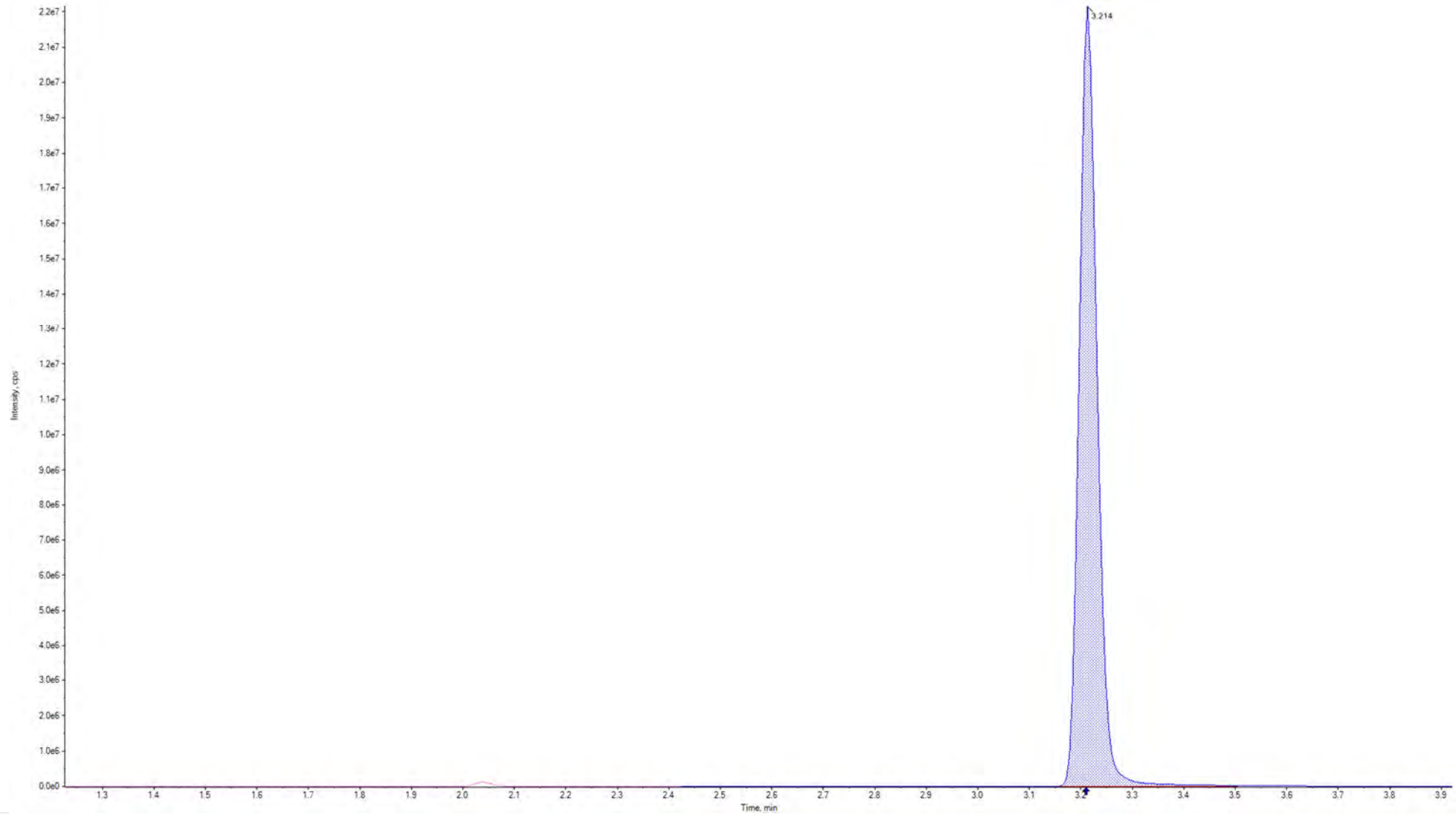
Generated: 2/28/2025 12:43:00 PM

5:3FTCA
Sample: IA1633STD-50 S/N:74527.0 Points Across peak:59



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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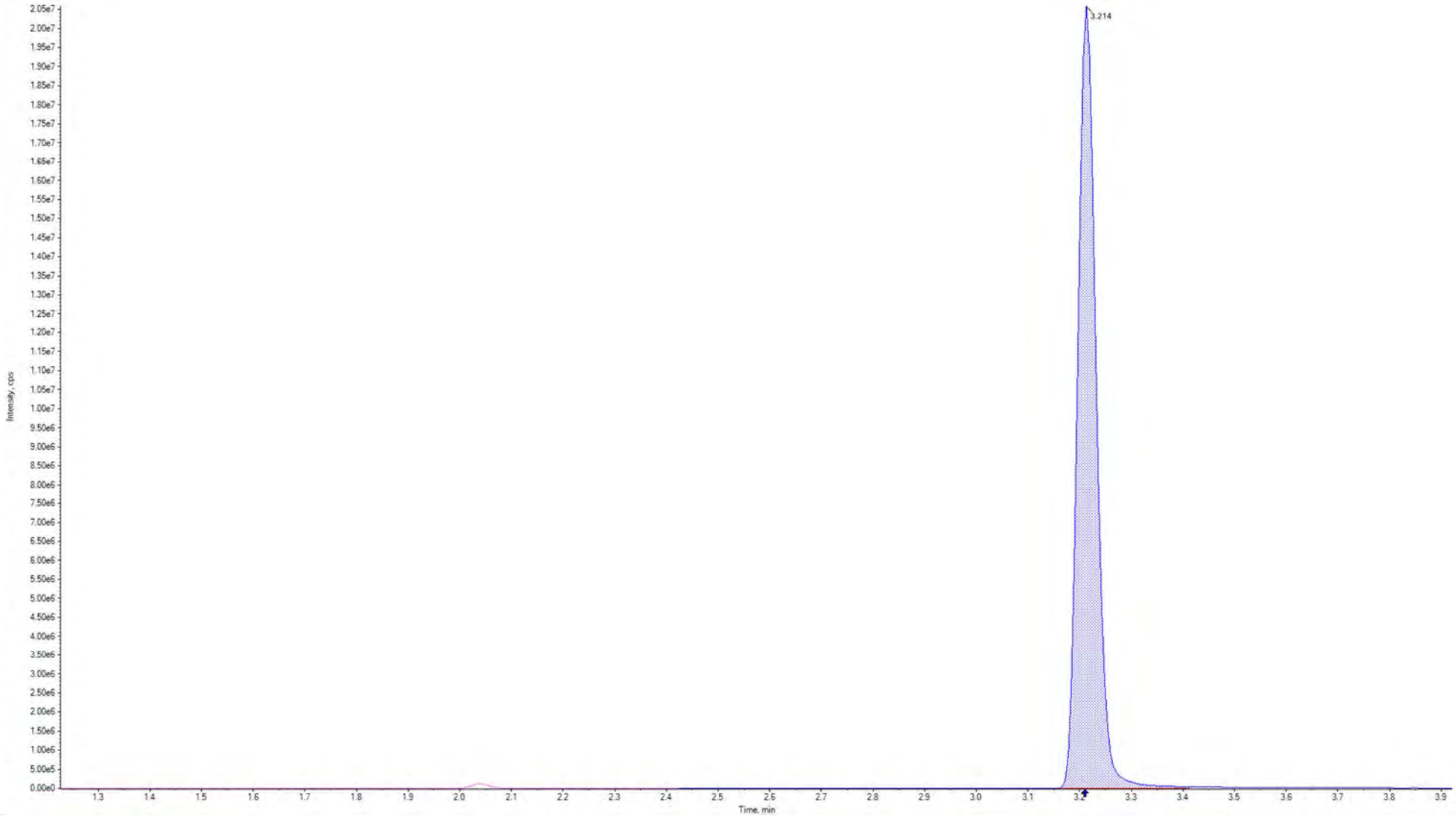
Generated: 2/28/2025 12:43:00 PM

5:3FTCA_2
Sample: IA1633STD-50 S/N:257927.6 Points Across peak:47



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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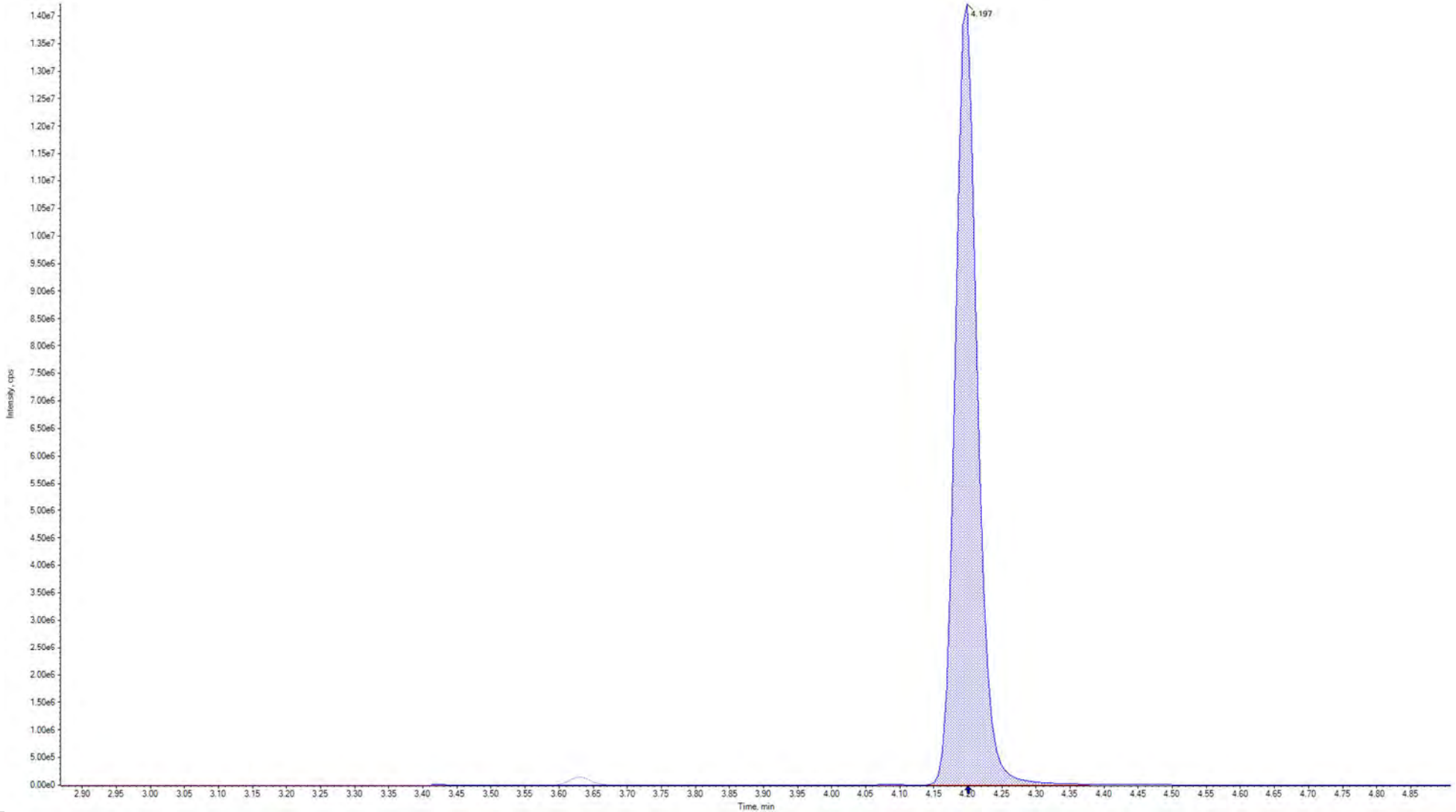
Generated: 2/28/2025 12:43:00 PM

7:3FTCA
Sample: IA1633STD-50 S/N:178153.2 Points Across peak:40



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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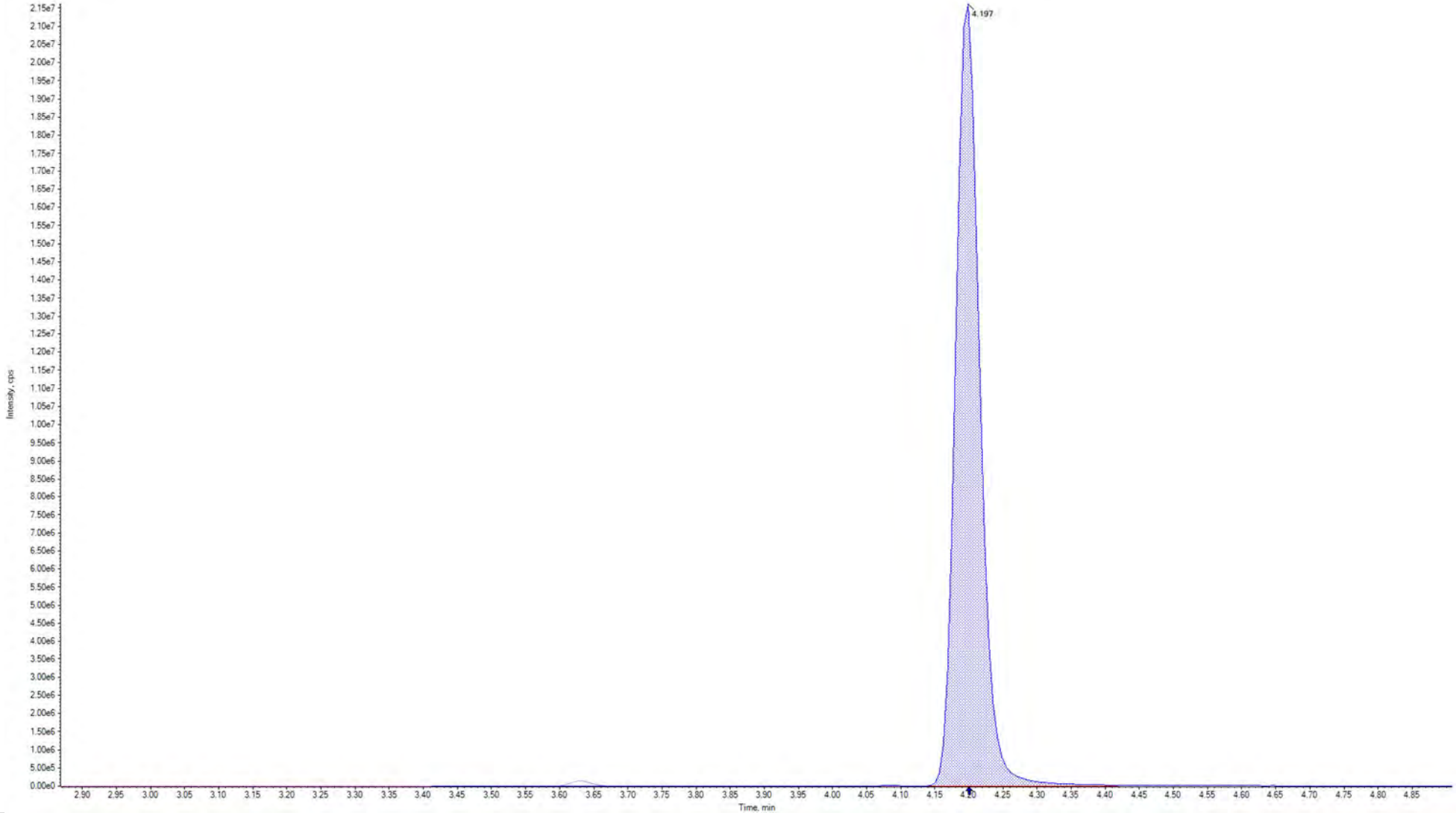
Generated: 2/28/2025 12:43:00 PM

7:3FTCA_2
Sample: IA1633STD-50 S/N:98694.8 Points Across peak:48



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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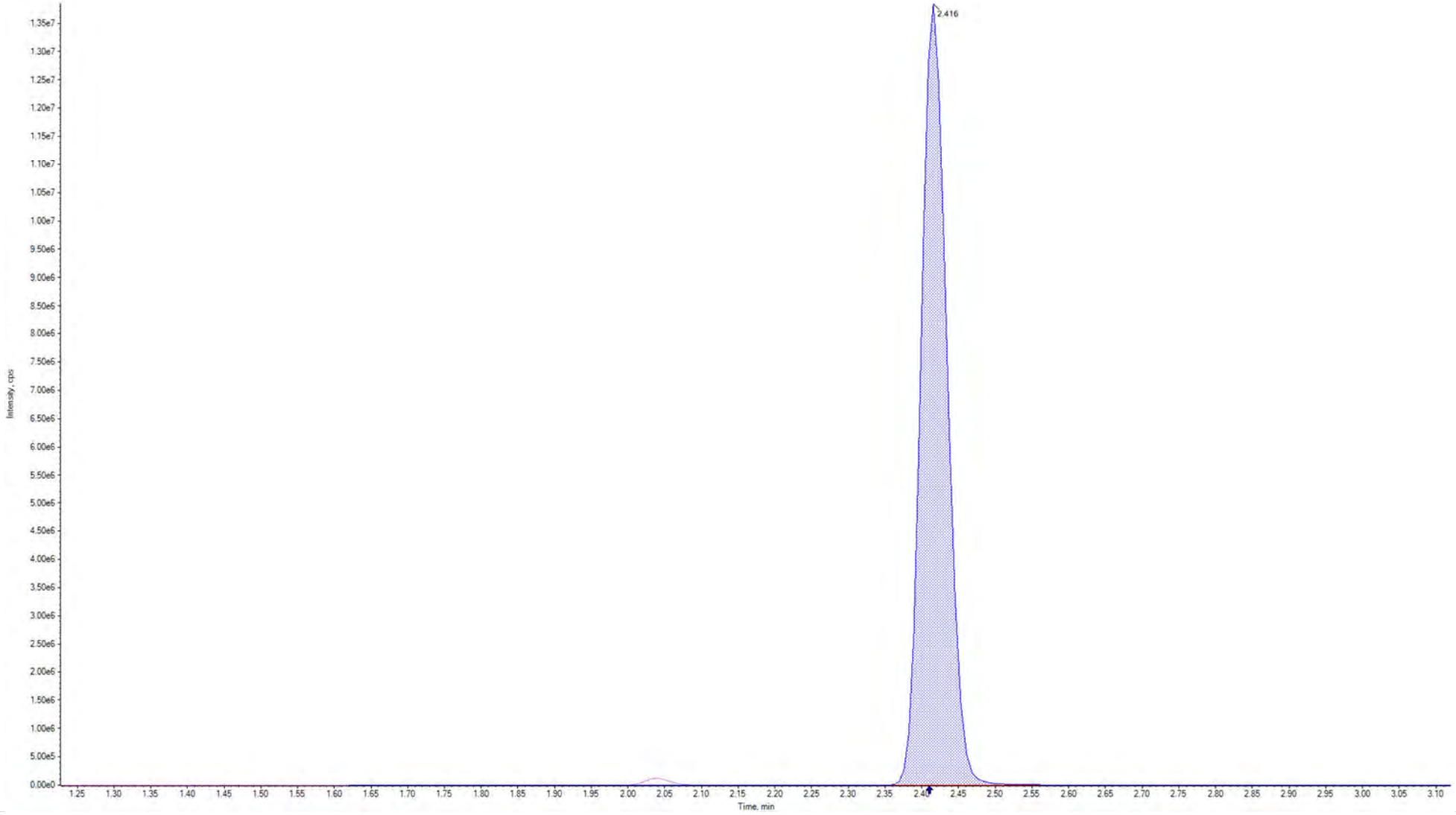
Generated: 2/28/2025 12:43:00 PM

PFEESA
Sample: IA1633STD-50 S/N:14141.1 Points Across peak:44



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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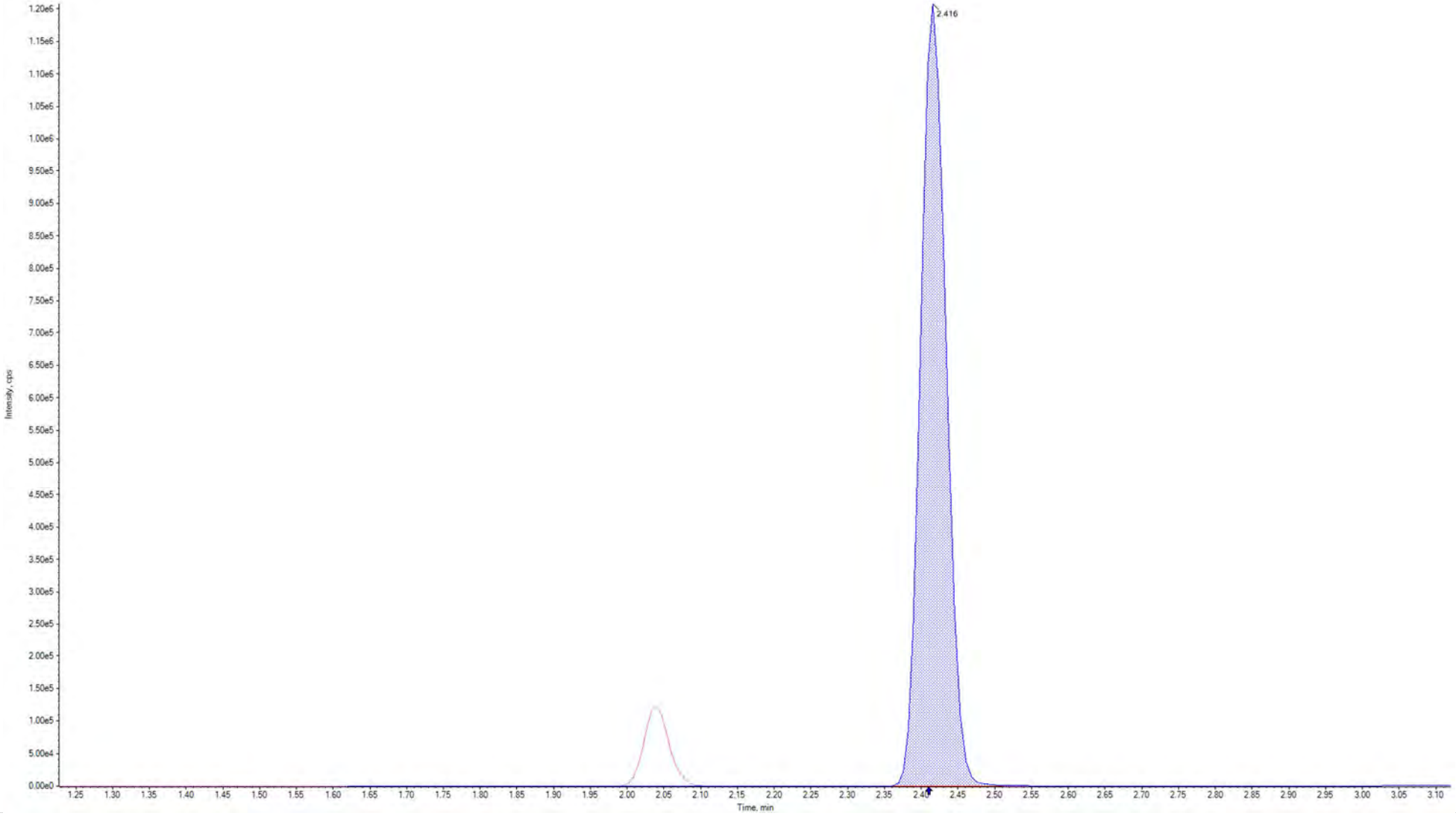
Generated: 2/28/2025 12:43:00 PM

PFEESA_2
Sample: IA1633STD-50 S/N:13803.5 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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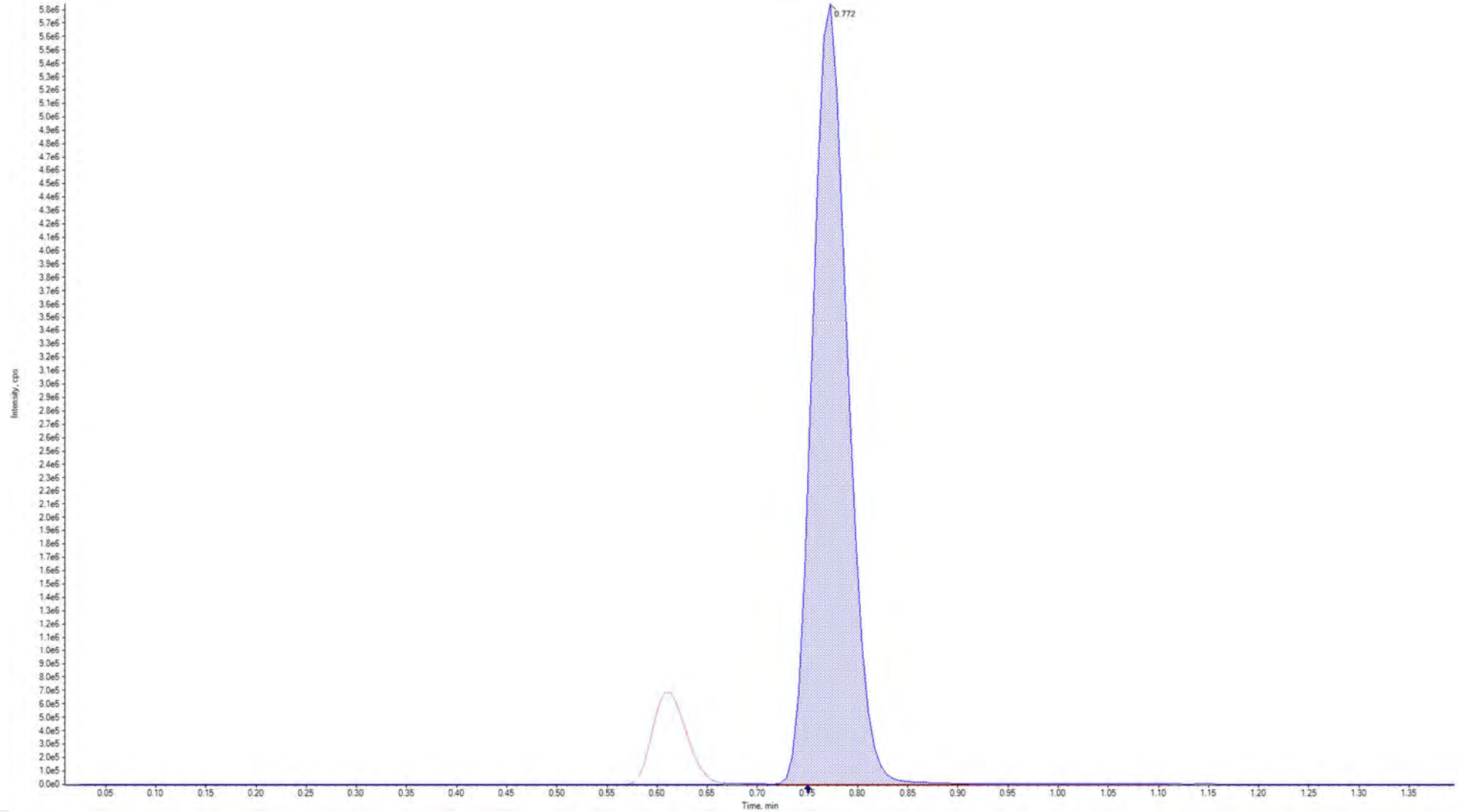
Generated: 2/28/2025 12:43:00 PM

PFMPA
Sample: IA1633STD-50 S/N:10798.4 Points Across peak:33



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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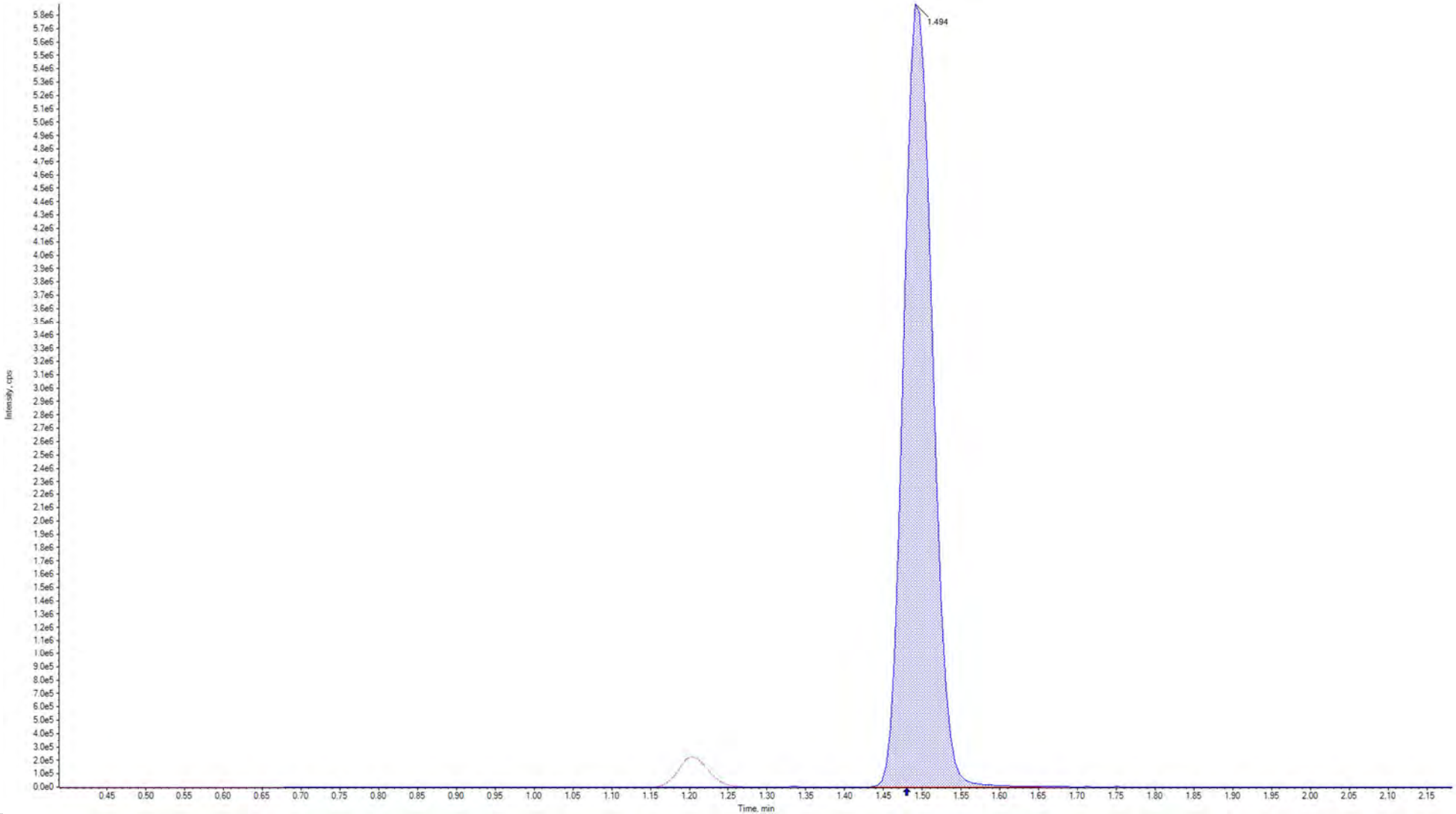
PFMBA
Sample: IA1633STD-50 S/N:35317.7 Points Across peak:43



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/1/2025 7:32:04 AM
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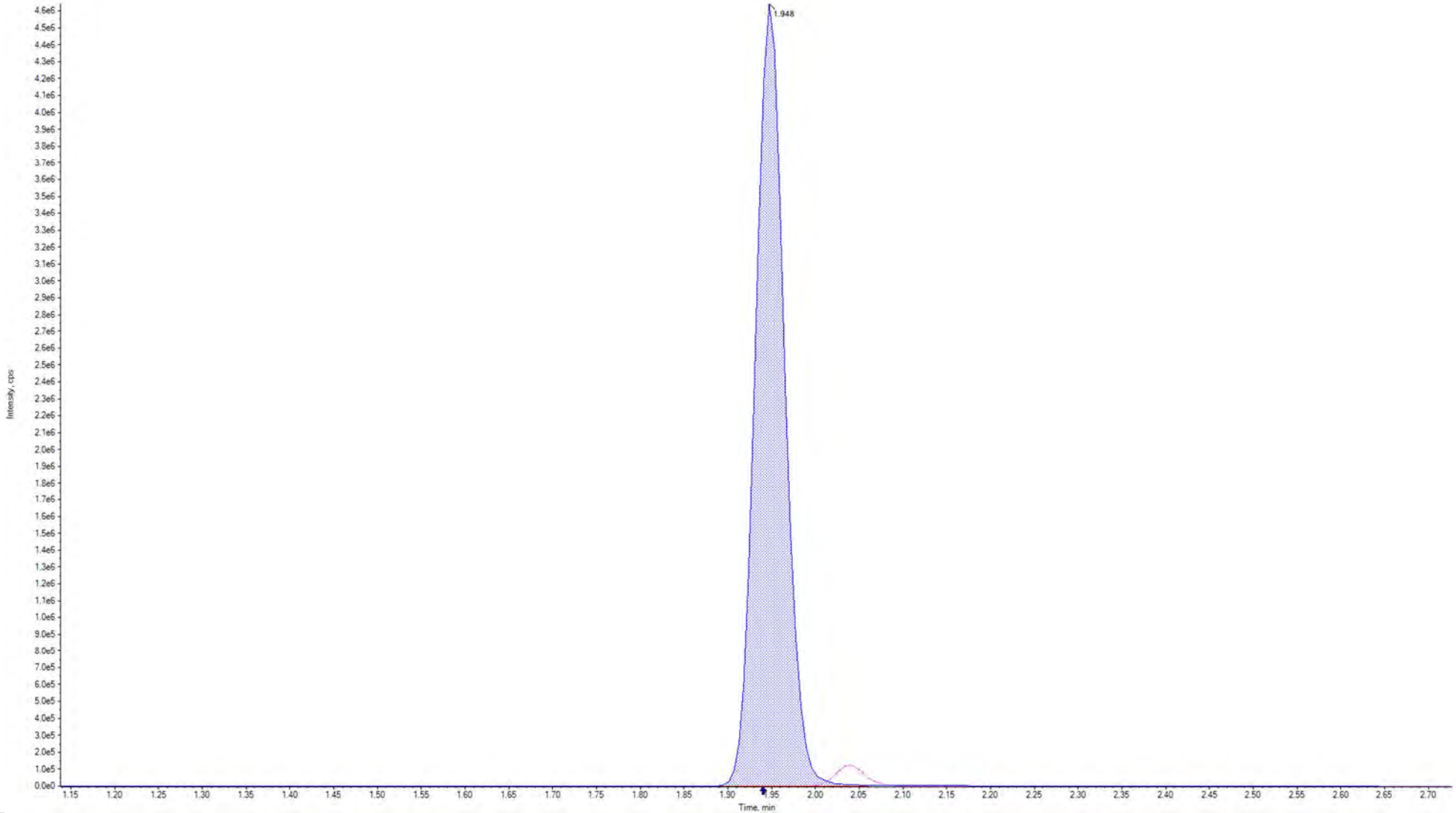
NFDHA
Sample: IA1633STD-50 S/N:104685.3 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/1/2025 7:32:04 AM
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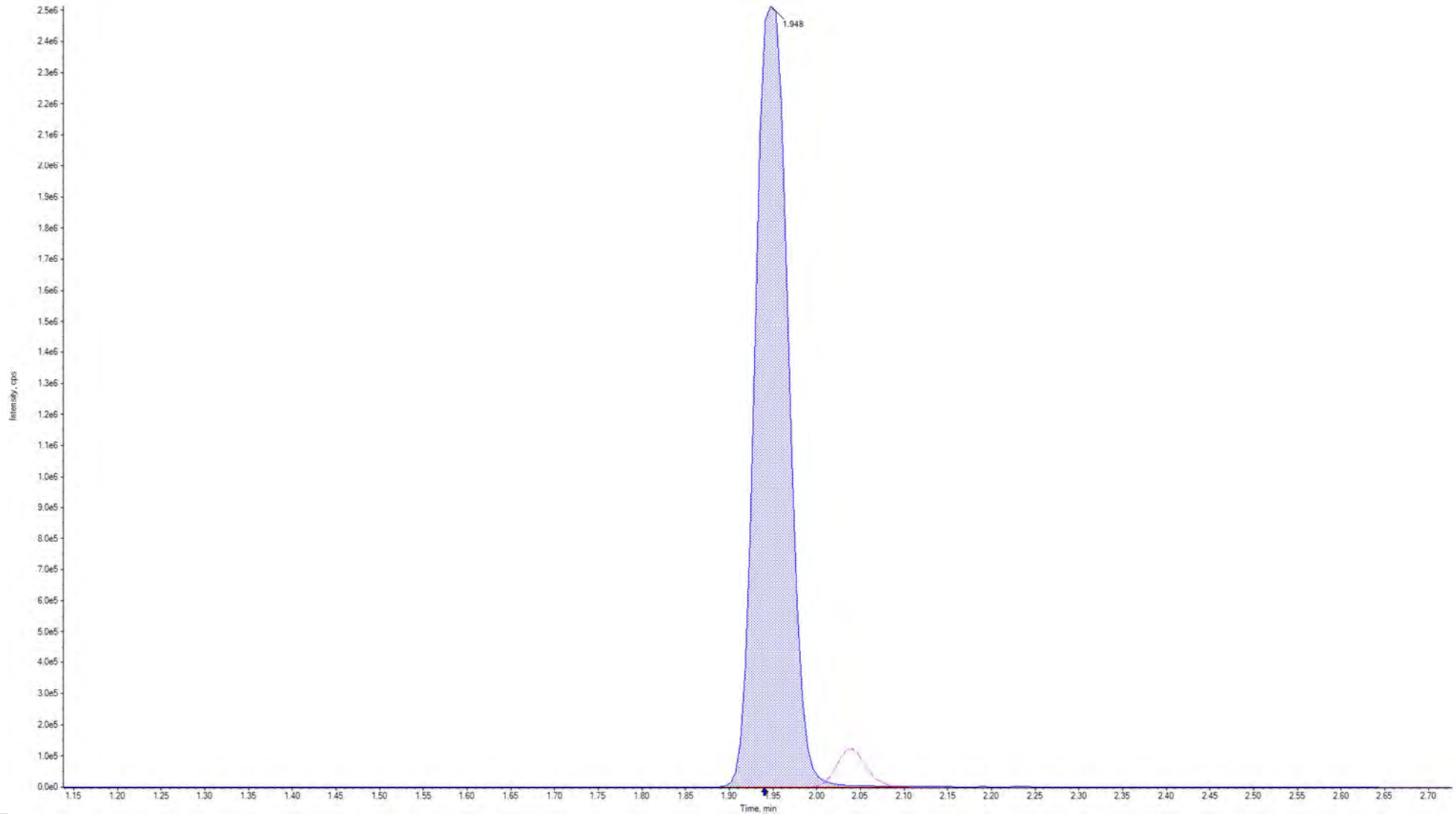
NFDHA_2
Sample: IA1633STD-50 S/N:56681.5 Points Across peak:39



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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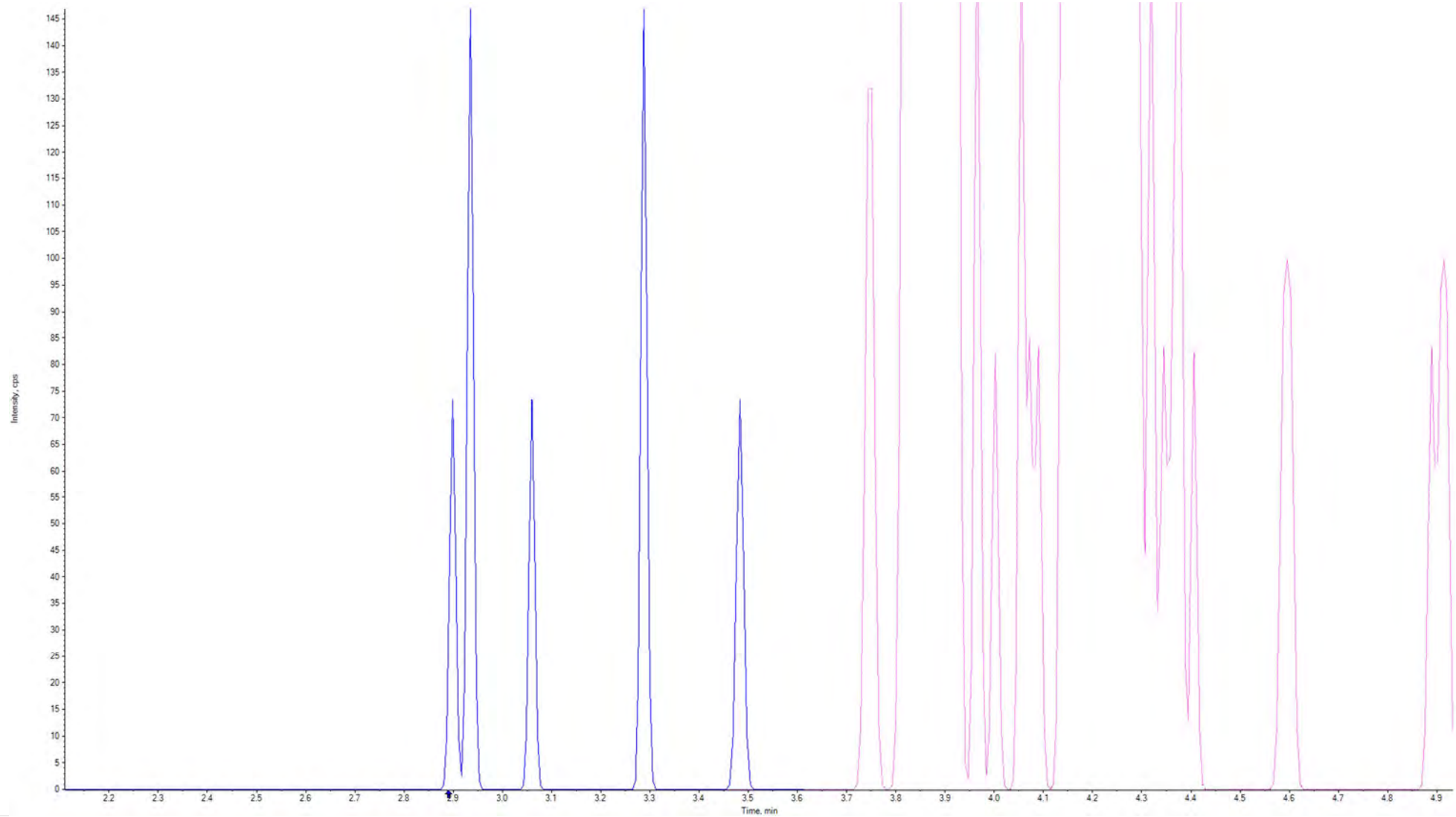
Generated: 2/28/2025 12:43:00 PM

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
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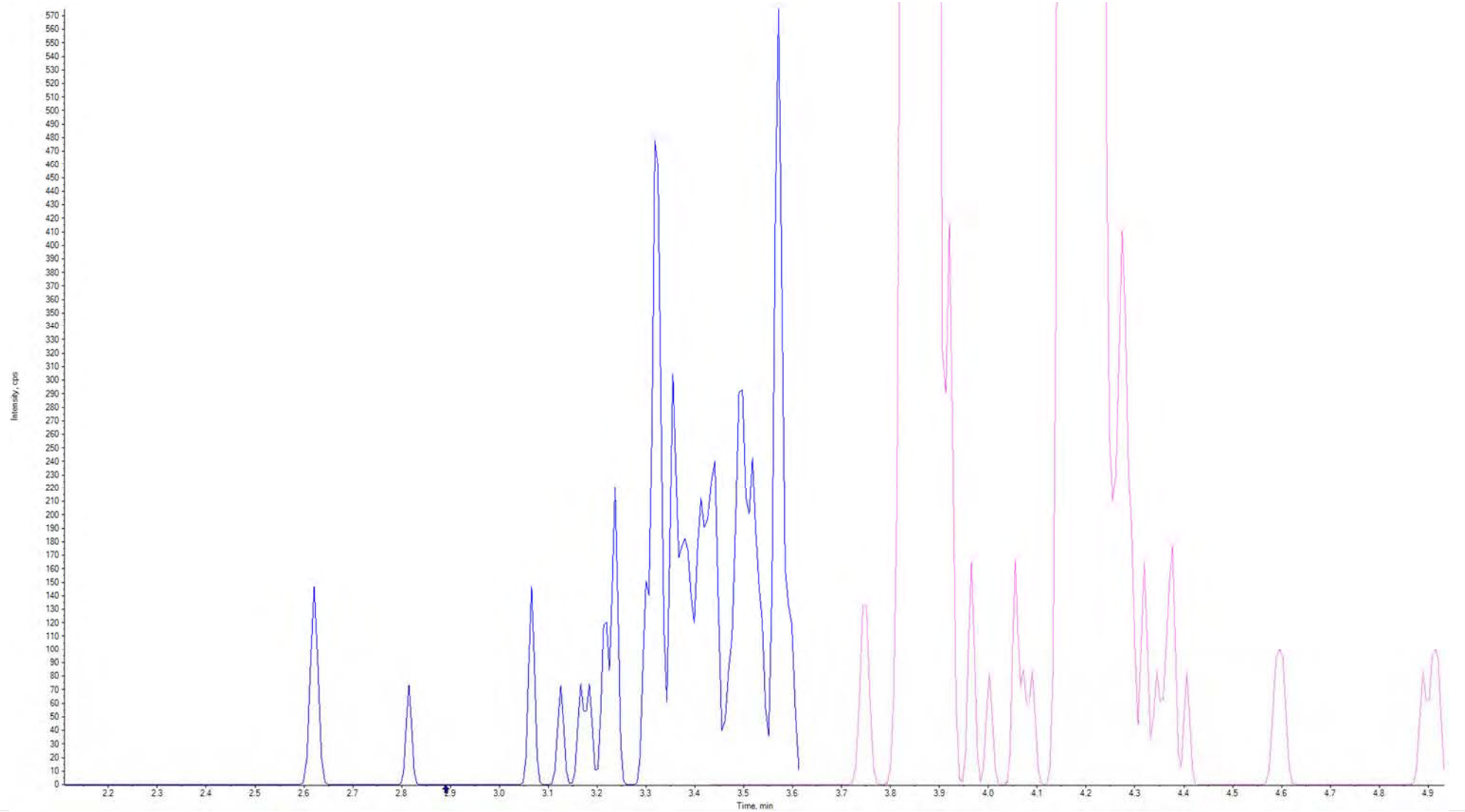
Last Altered: 3/1/2025 7:32:04 AM
Generated: 2/28/2025 12:43:00 PM

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
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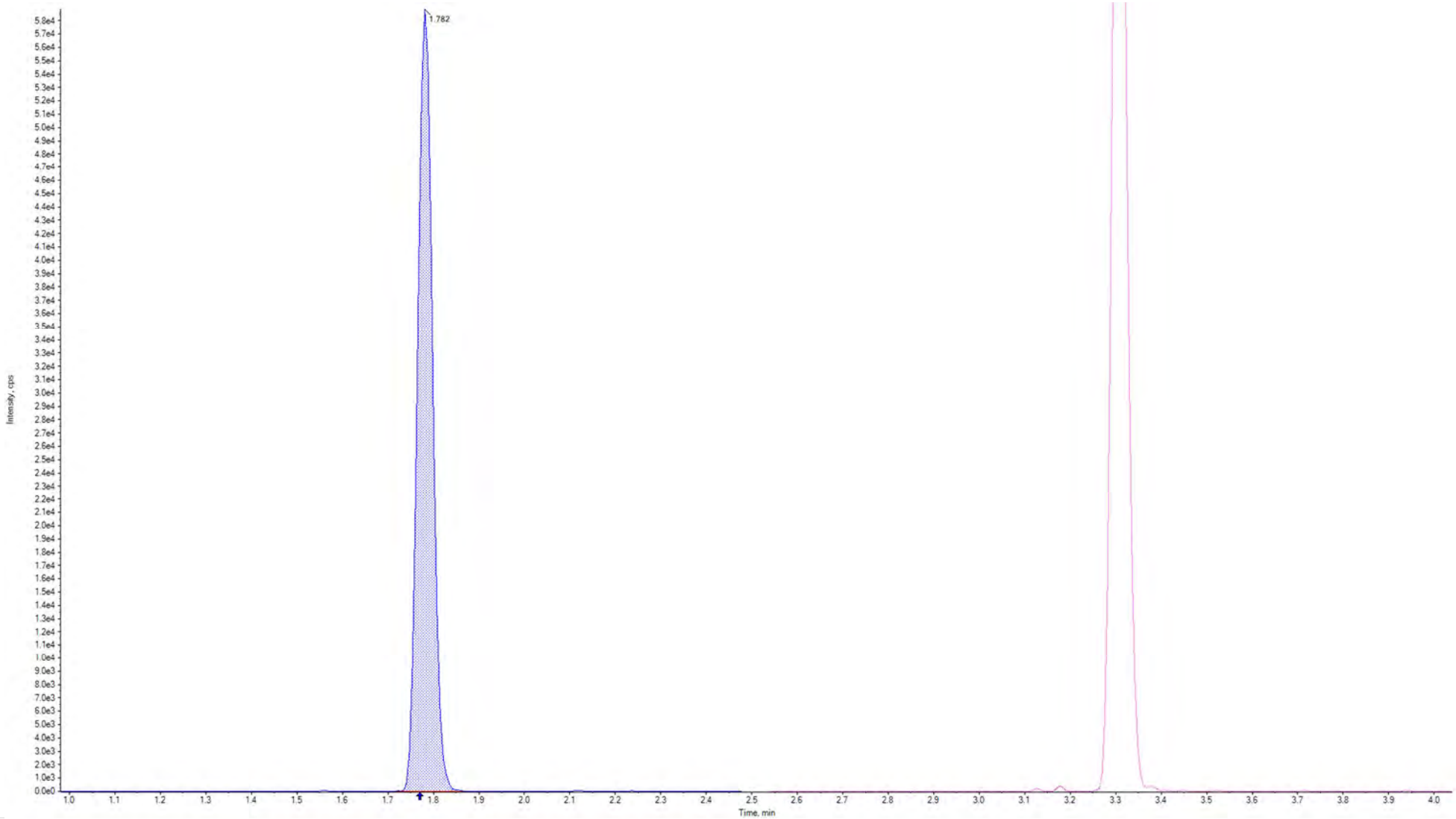
13C2D4-4:2FTS
Sample: IA1633STD-50 S/N:1623.0 Points Across peak:37



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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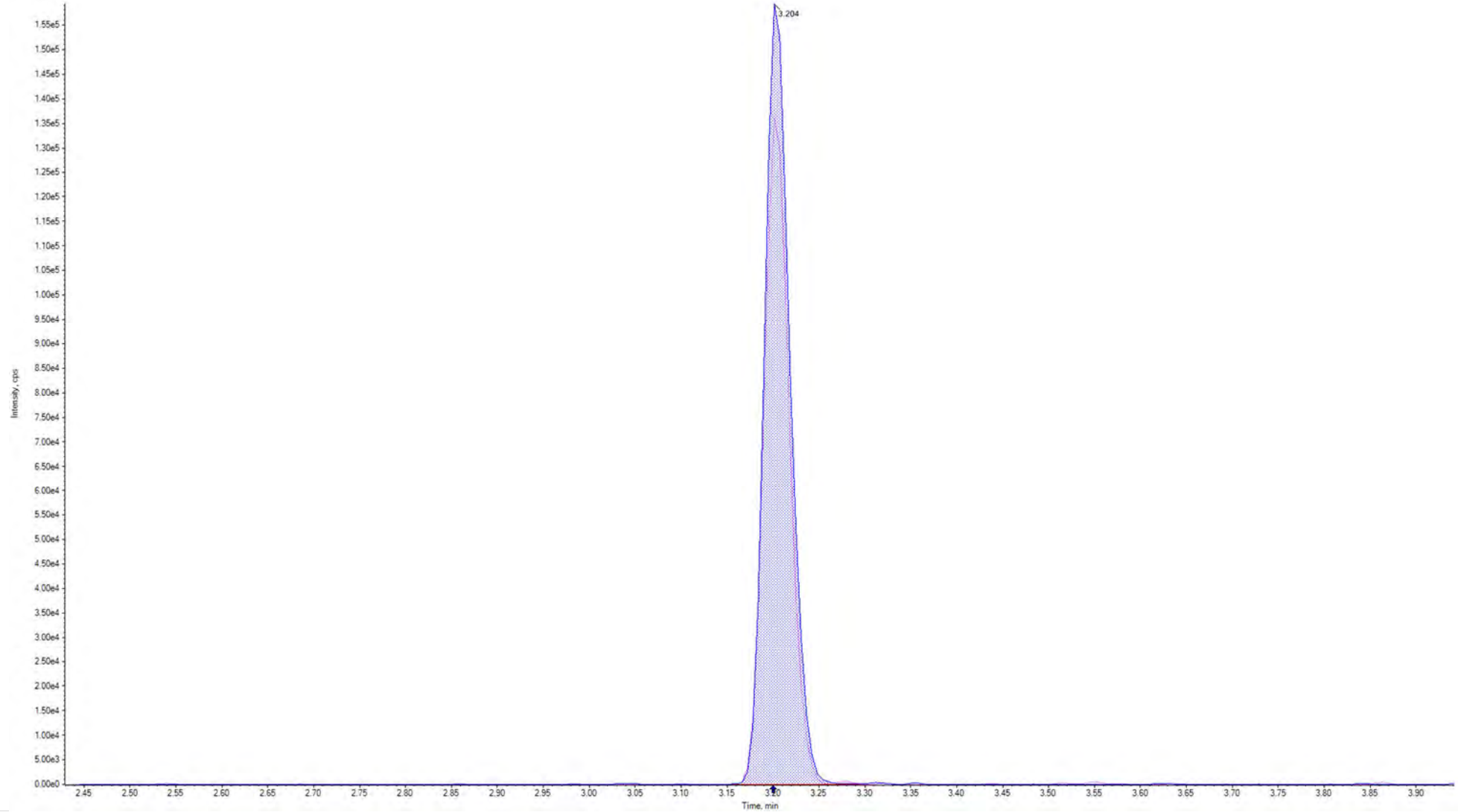
Generated: 2/28/2025 12:43:00 PM

13C2-PFOA
Sample: IA1633STD-50 S/N:1996.3 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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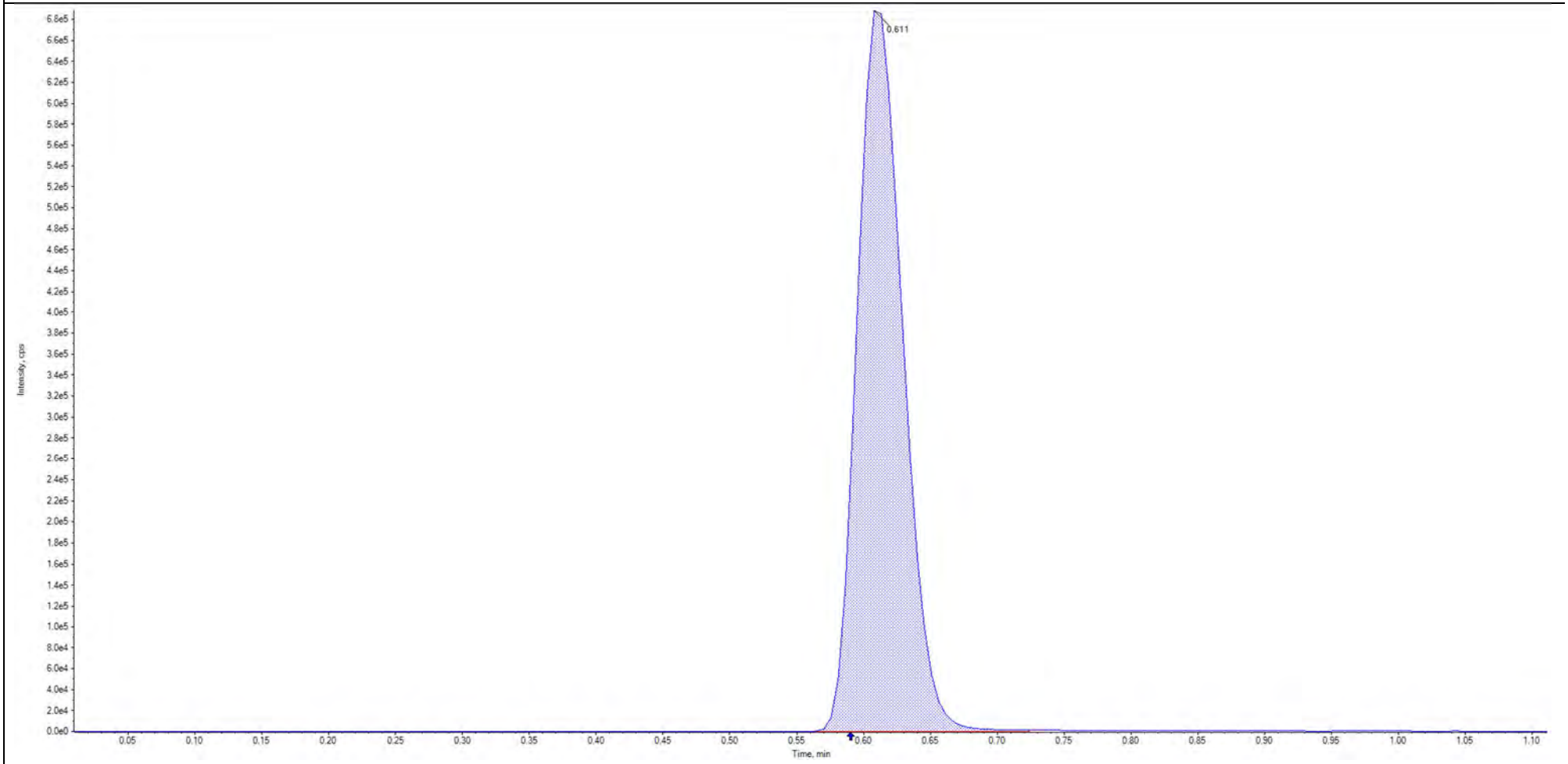
Generated: 2/28/2025 12:43:00 PM

13C4-PFBA
Sample: IA1633STD-50



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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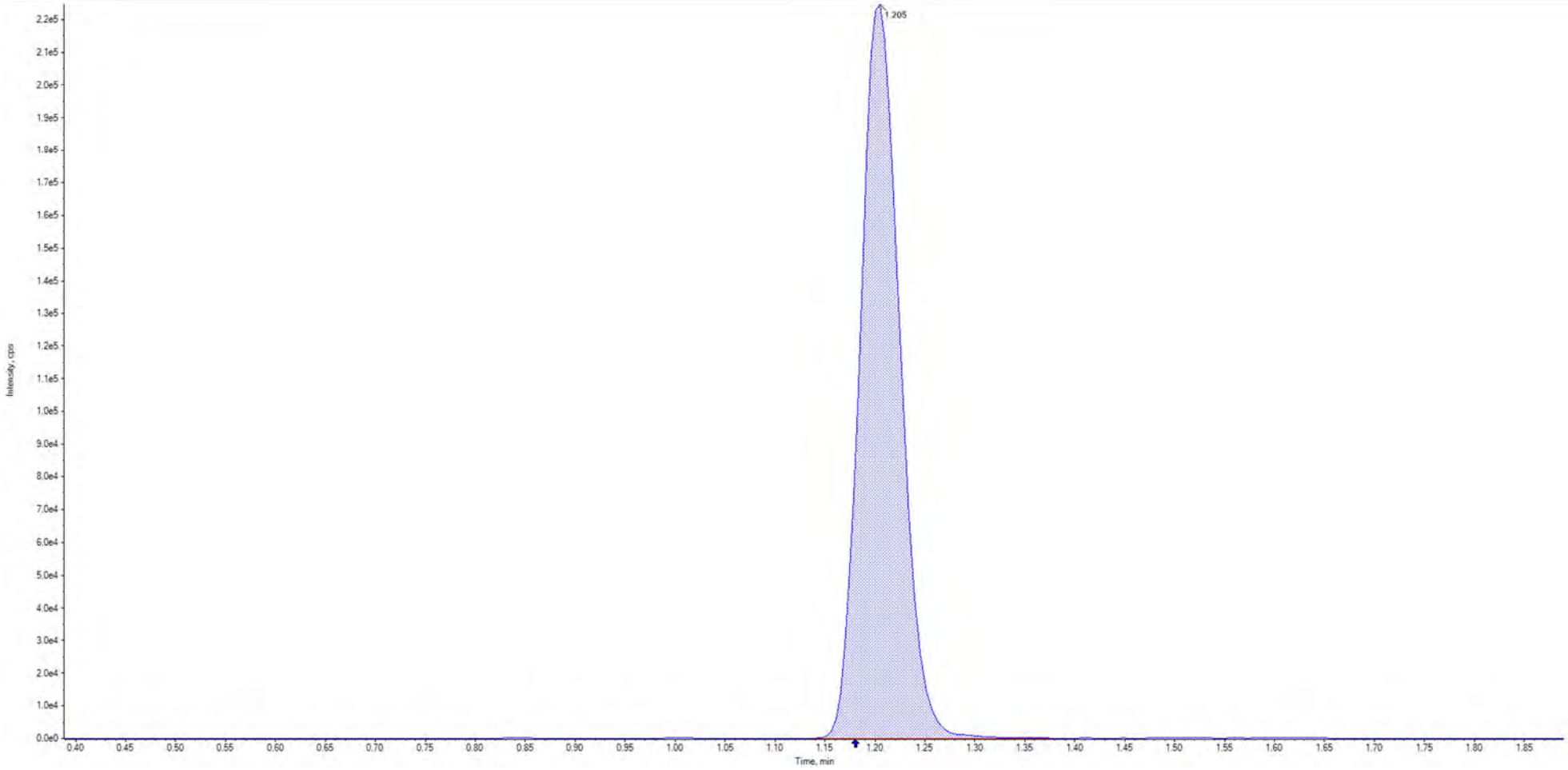
Generated: 2/28/2025 12:43:00 PM

13C5-PFPeA
Sample: IA1633STD-50



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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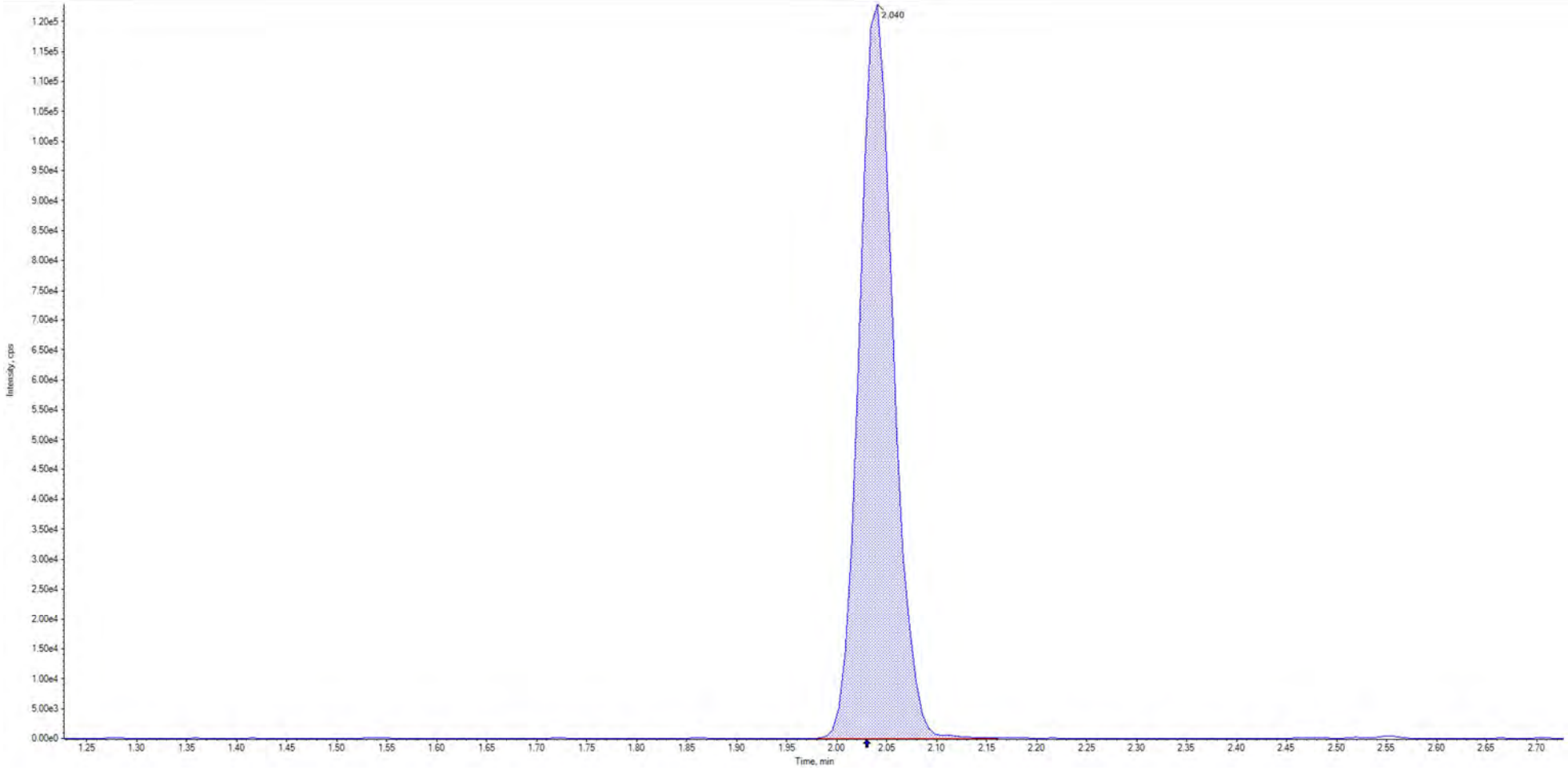
13C5-PFHxA
Sample: IA1633STD-50



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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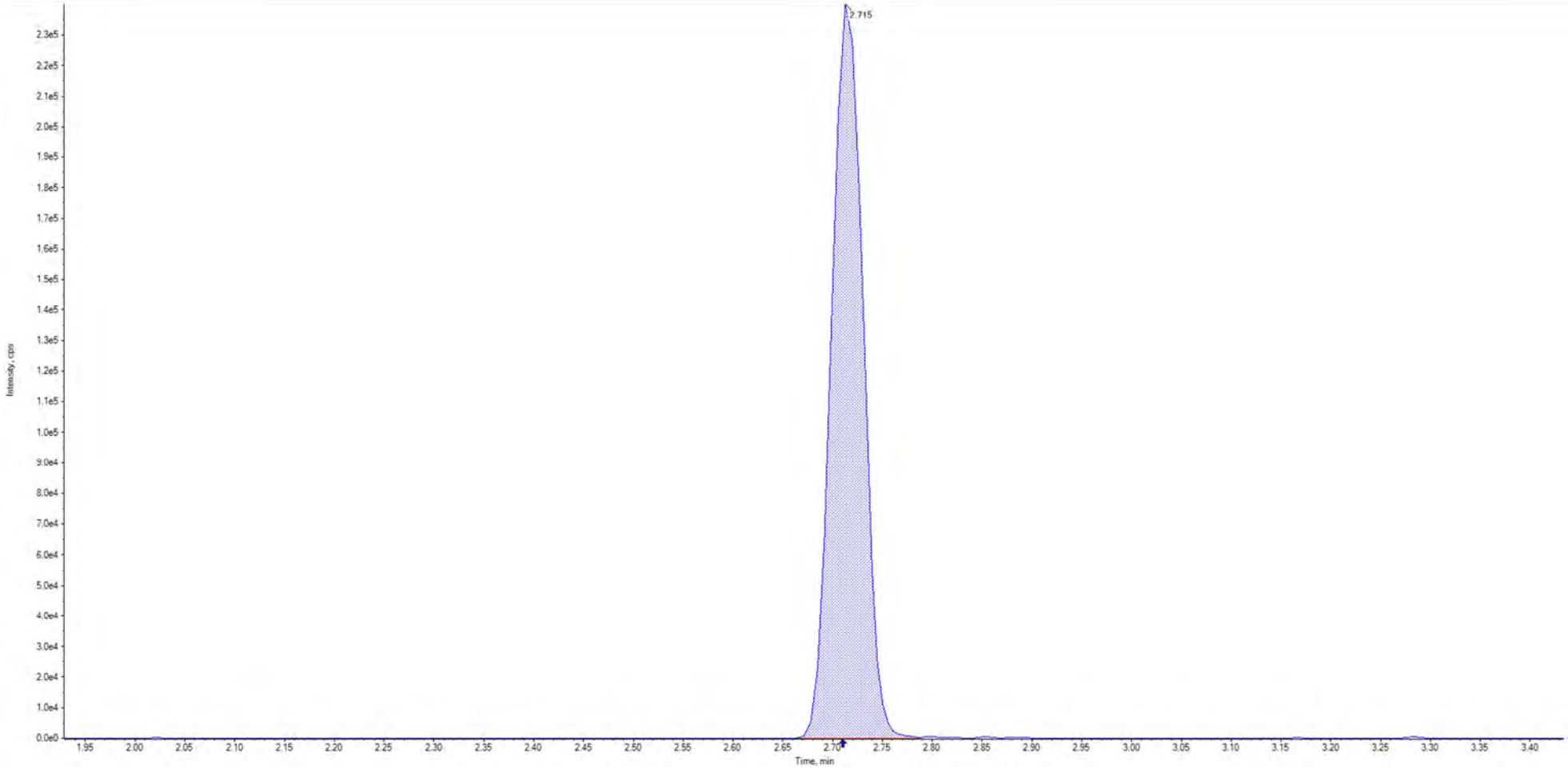
13C4-PFHpA
Sample: IA1633STD-50



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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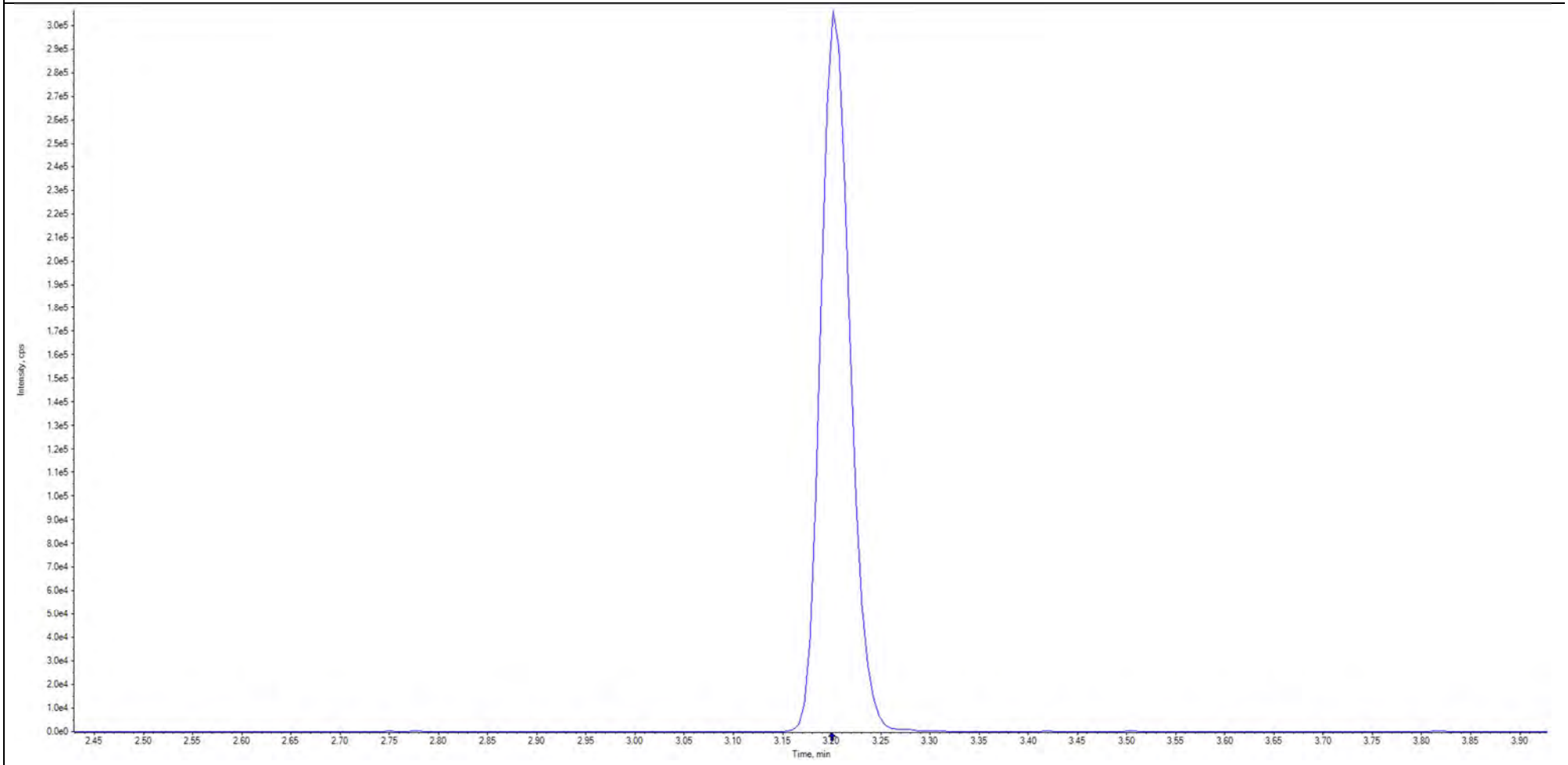
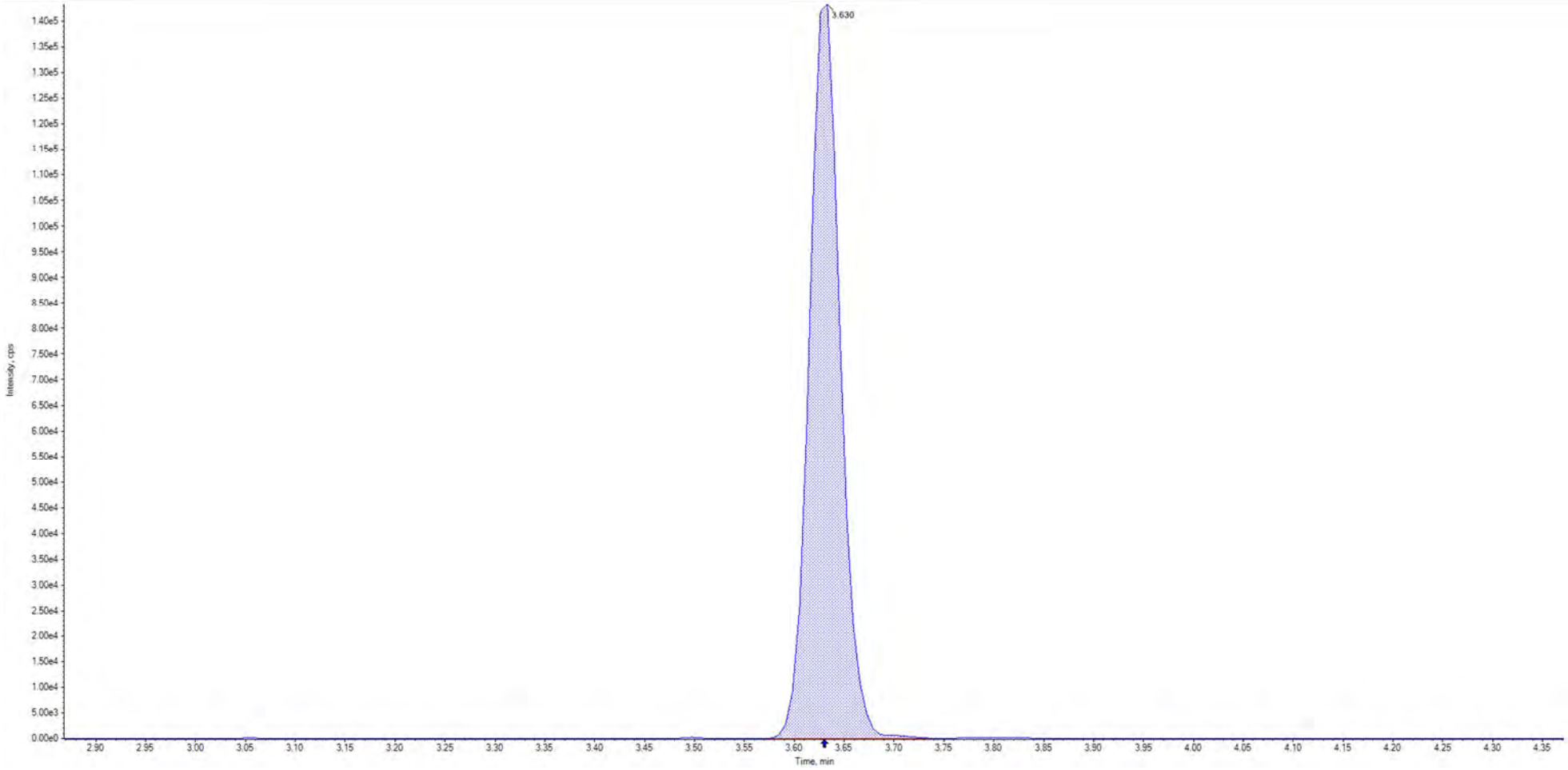
13C8-PFOA
Sample: IA1633STD-50



13C9-PFNA
Sample: IA1633STD-50



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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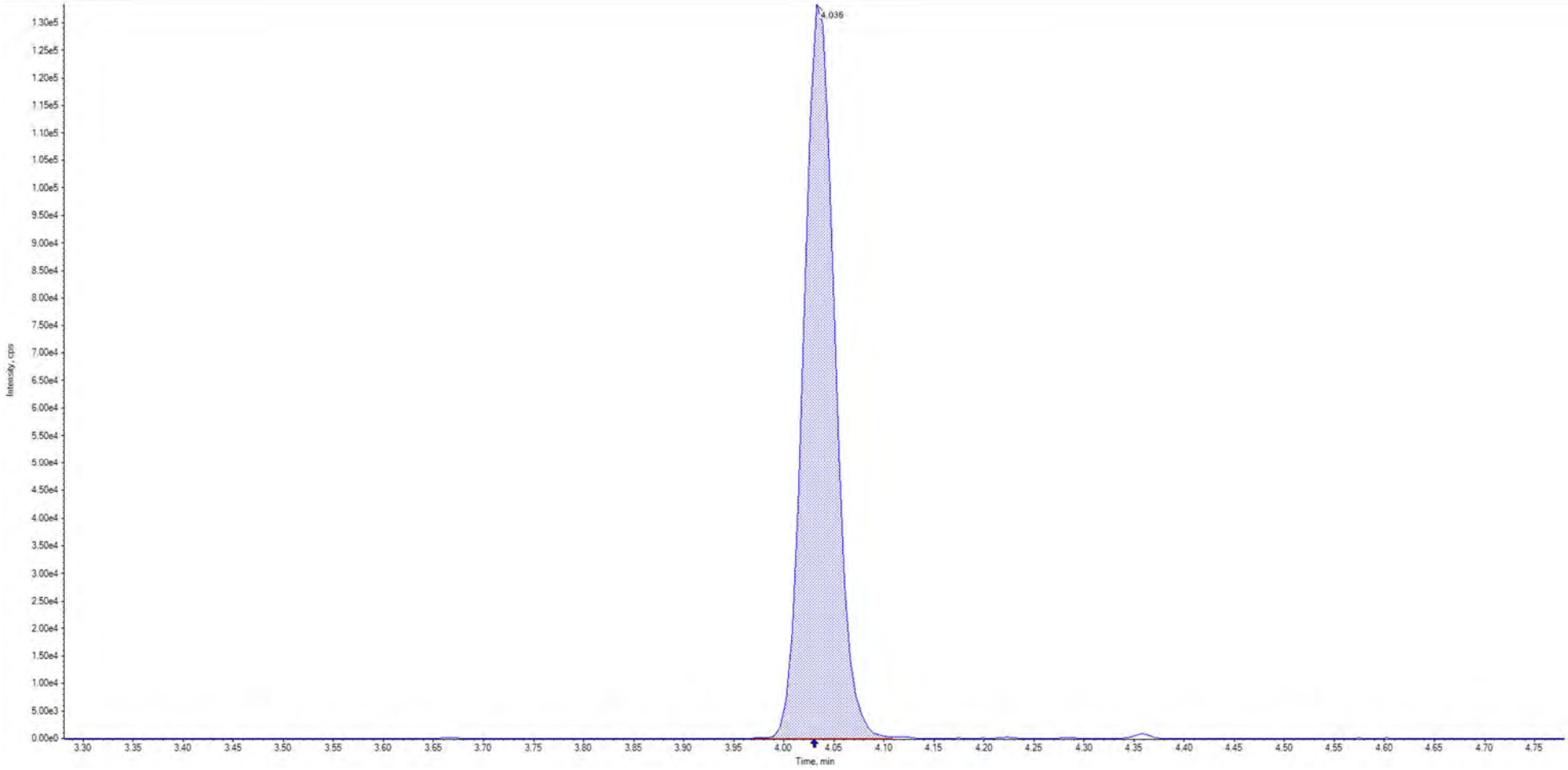
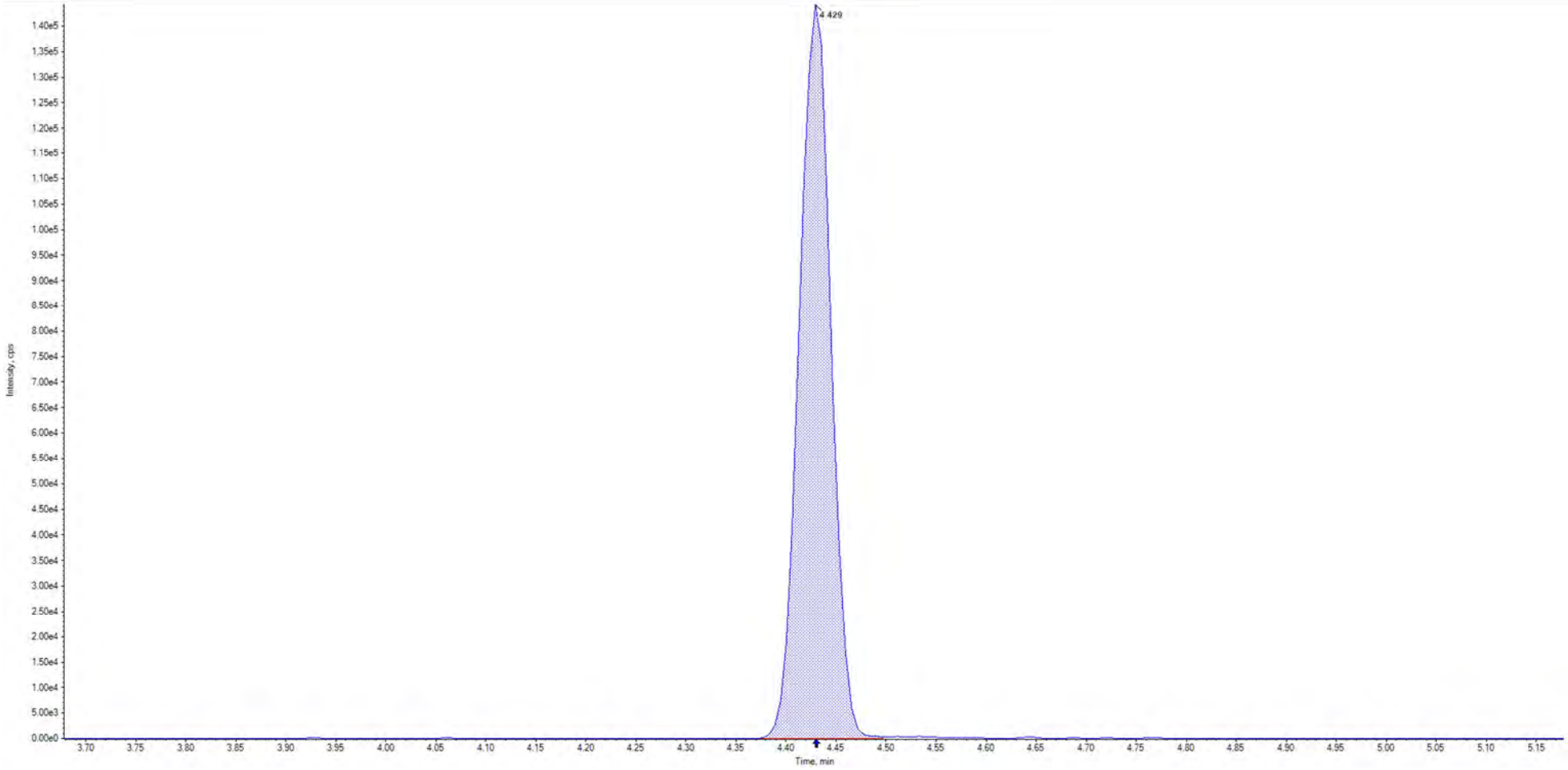
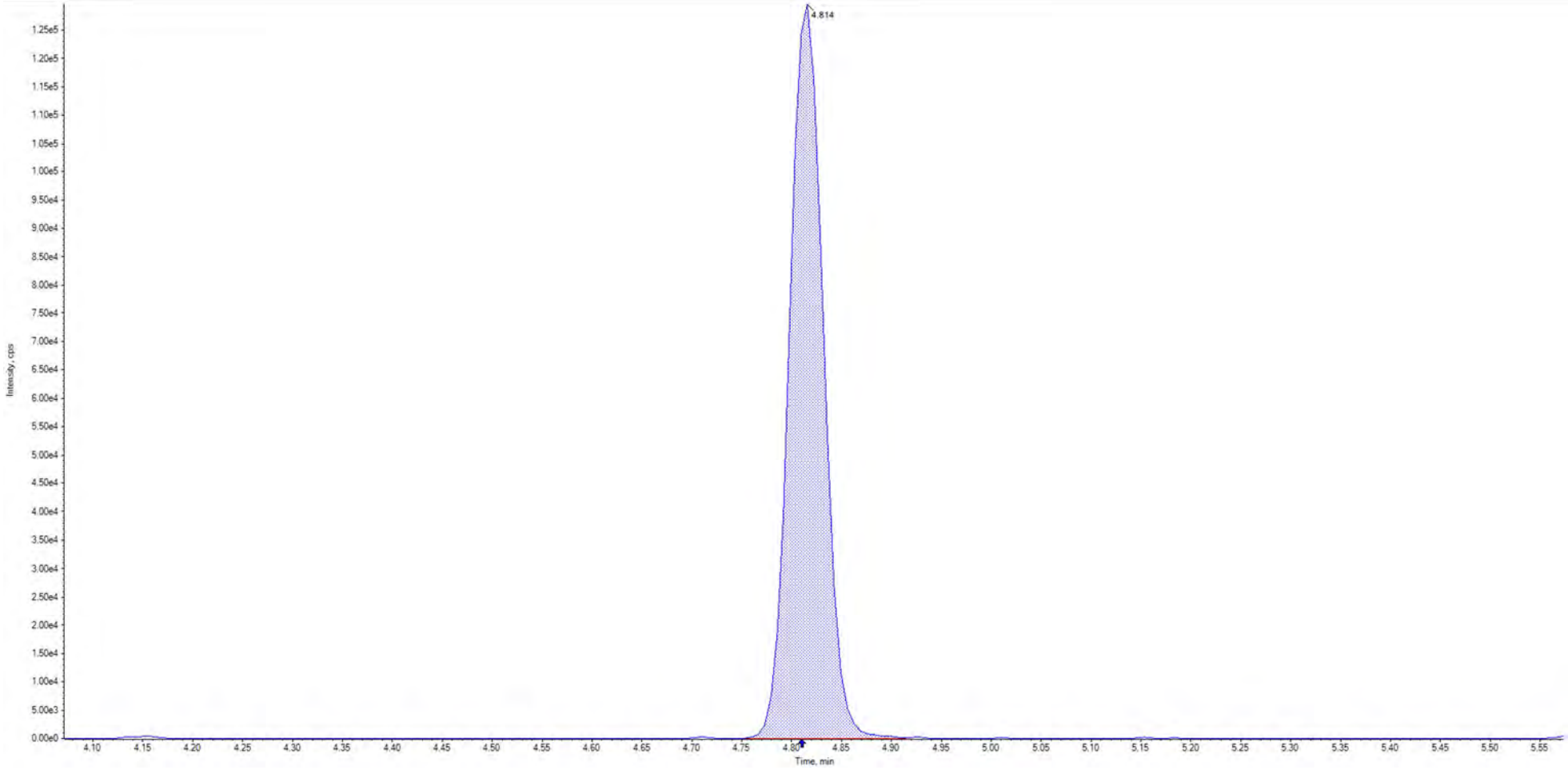
13C6-PFDA
Sample: IA1633STD-50



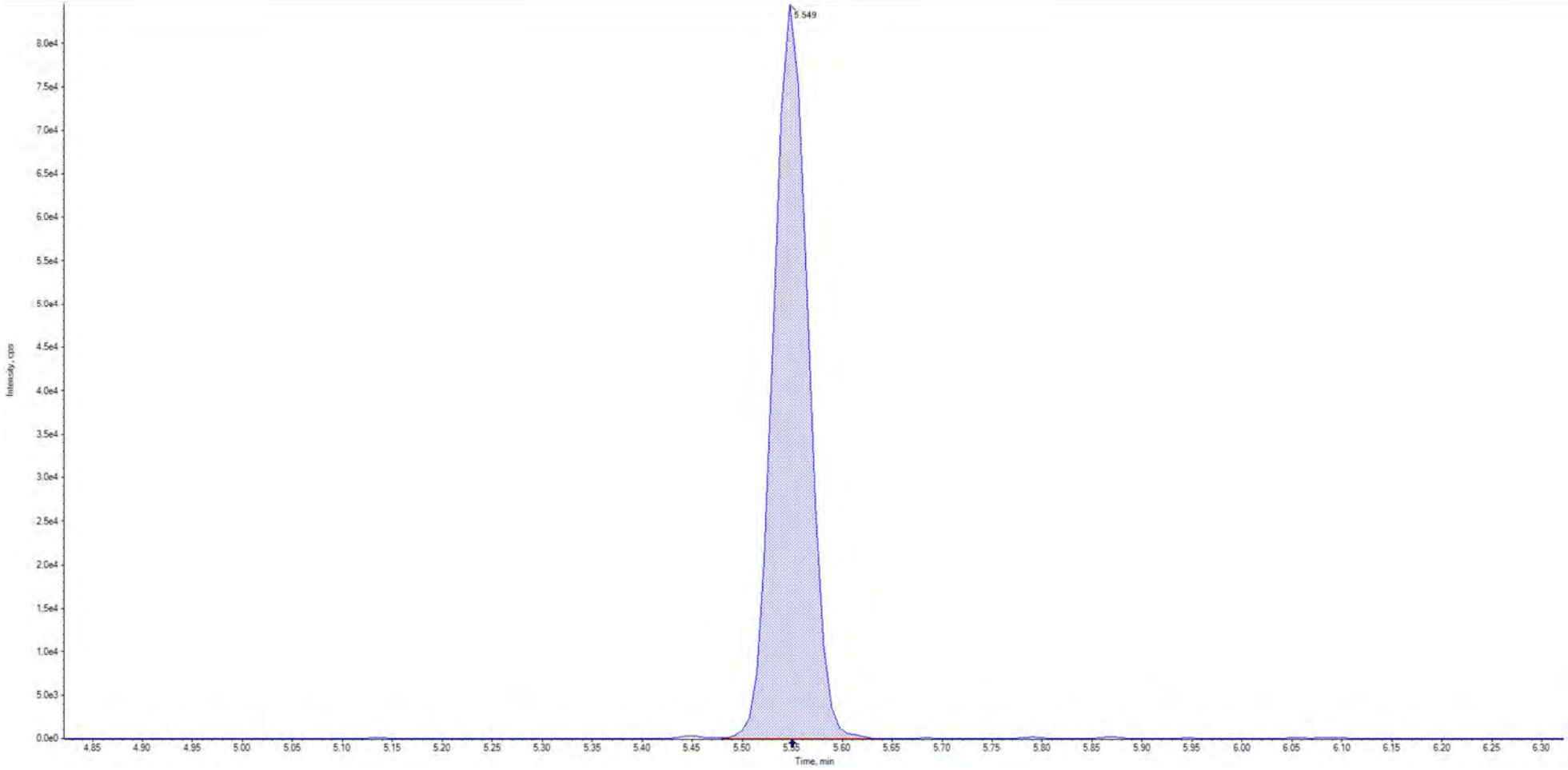
13C7-PFUnA
Sample: IA1633STD-50



13C2-PFDoA
Sample: IA1633STD-50



13C2-PFTeDA
Sample: IA1633STD-50



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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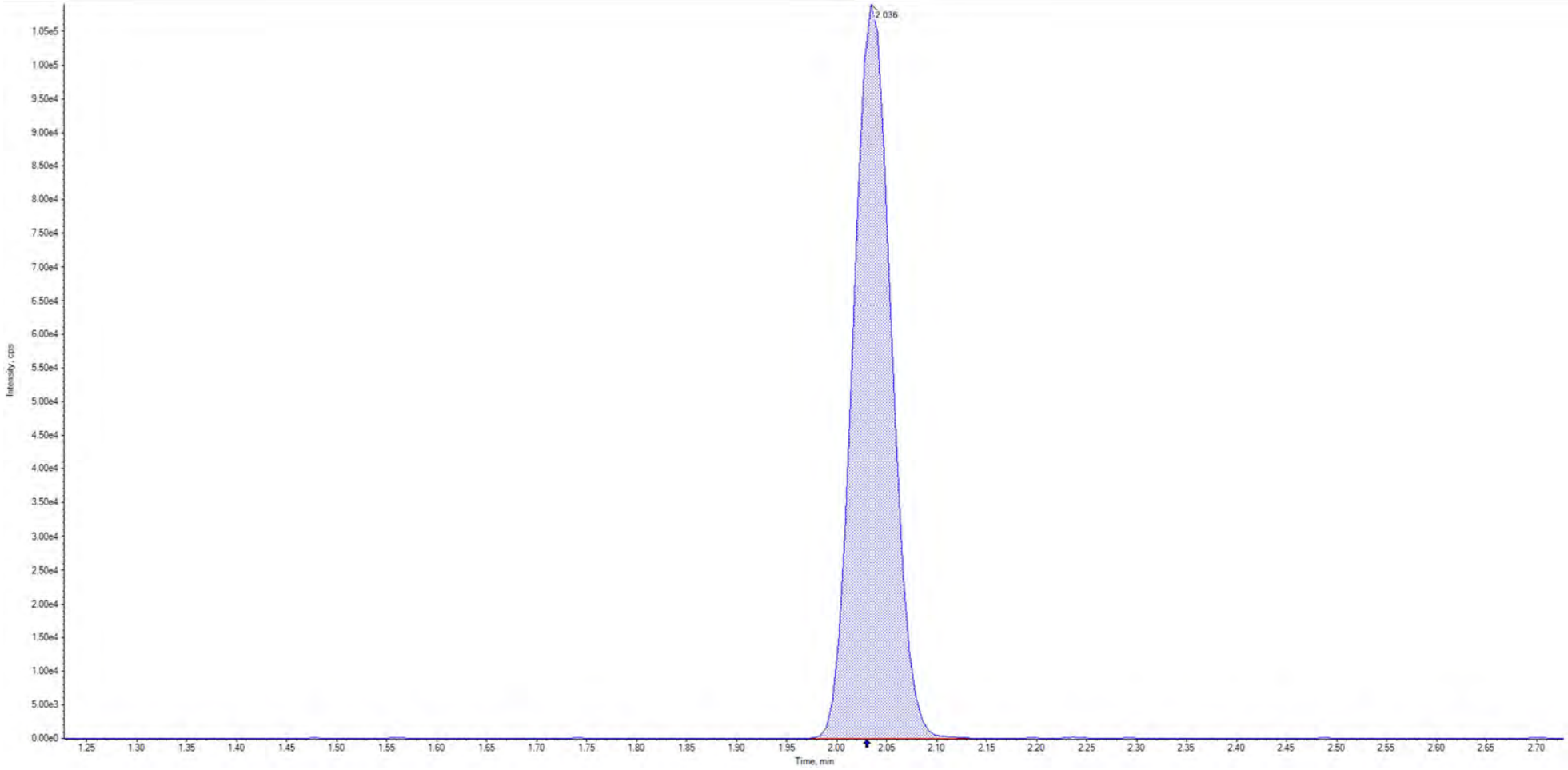
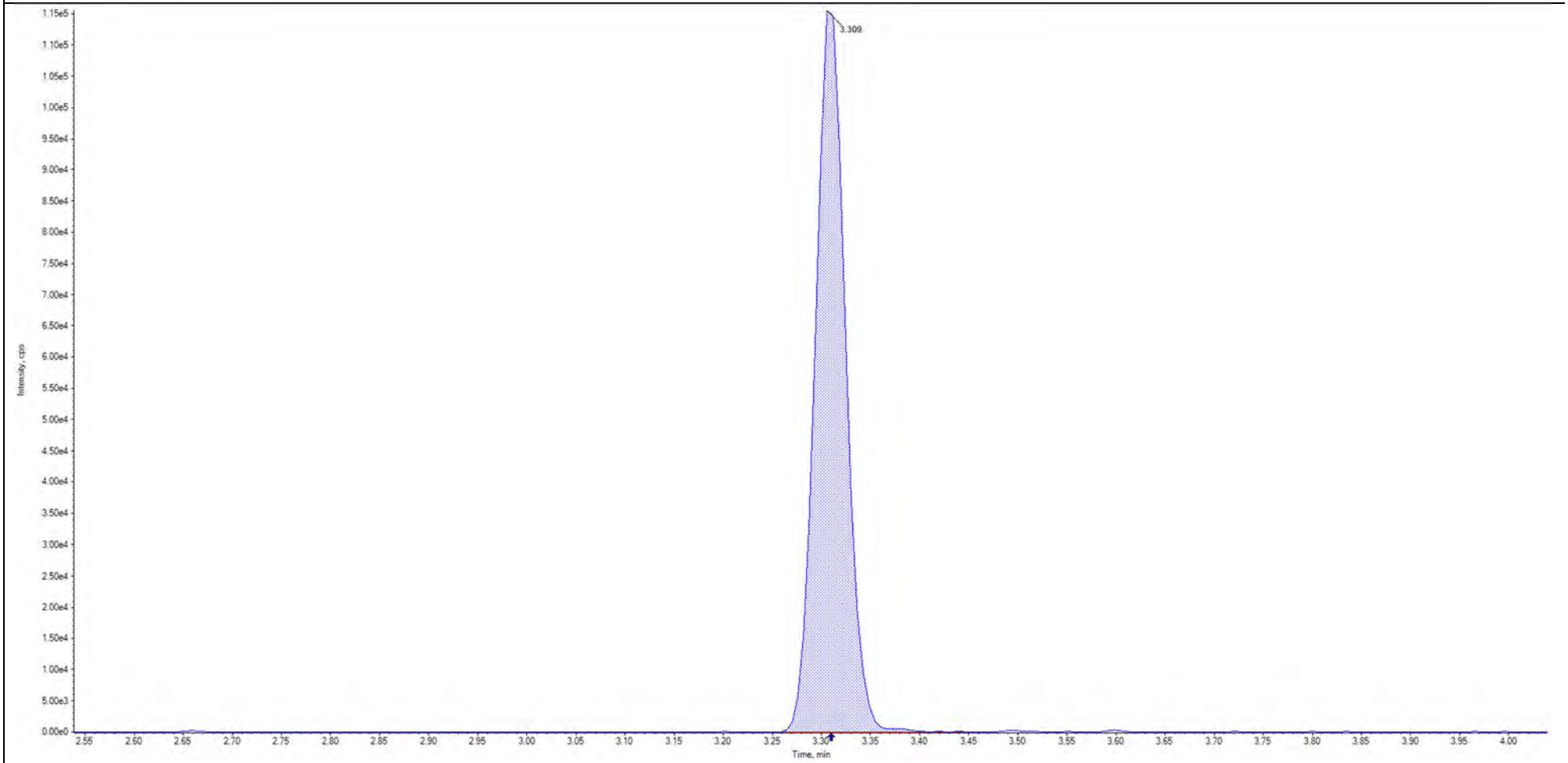
13C3-PFBS
Sample: IA1633STD-50



13C3-PFHxS
Sample: IA1633STD-50



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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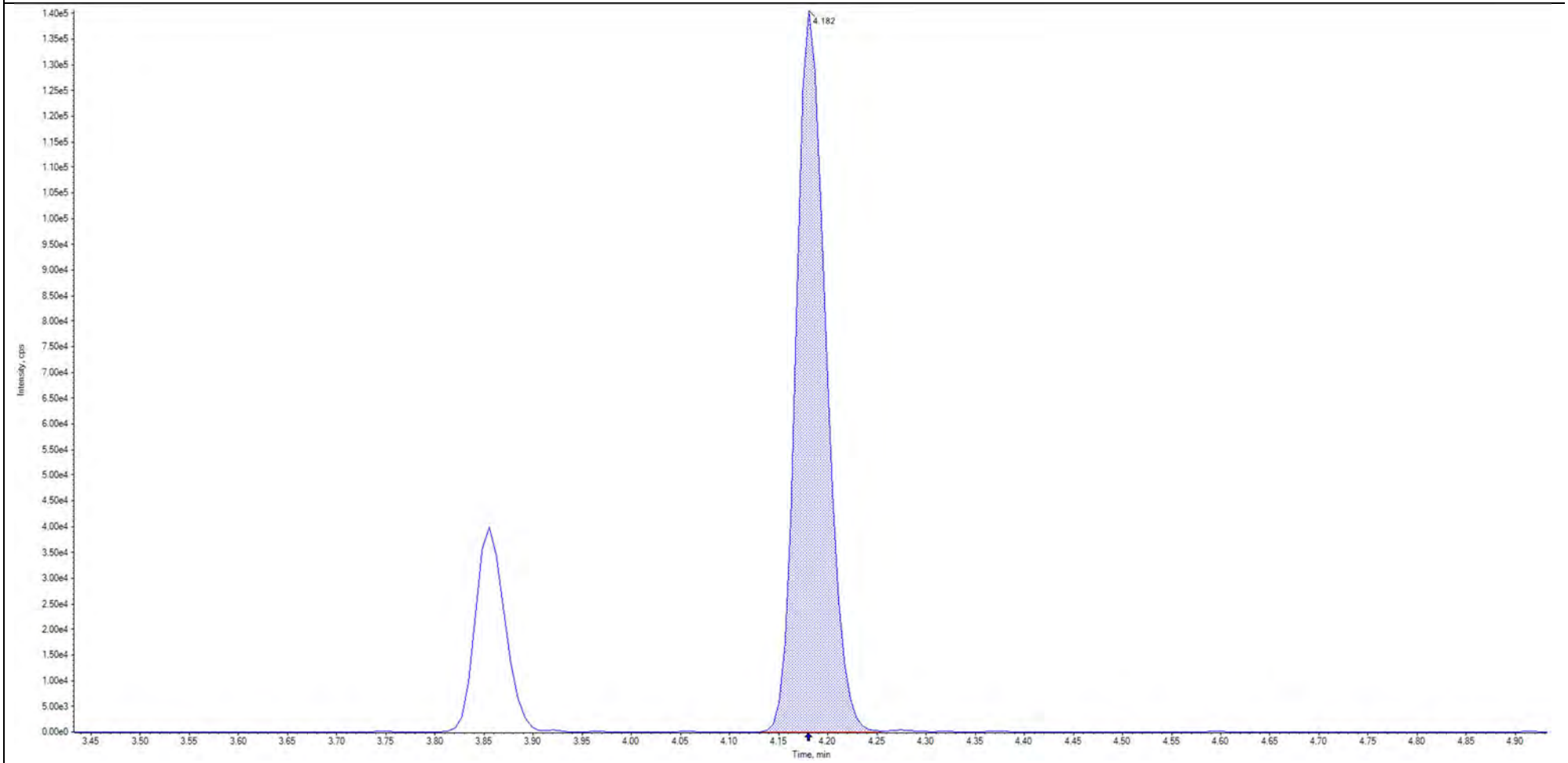
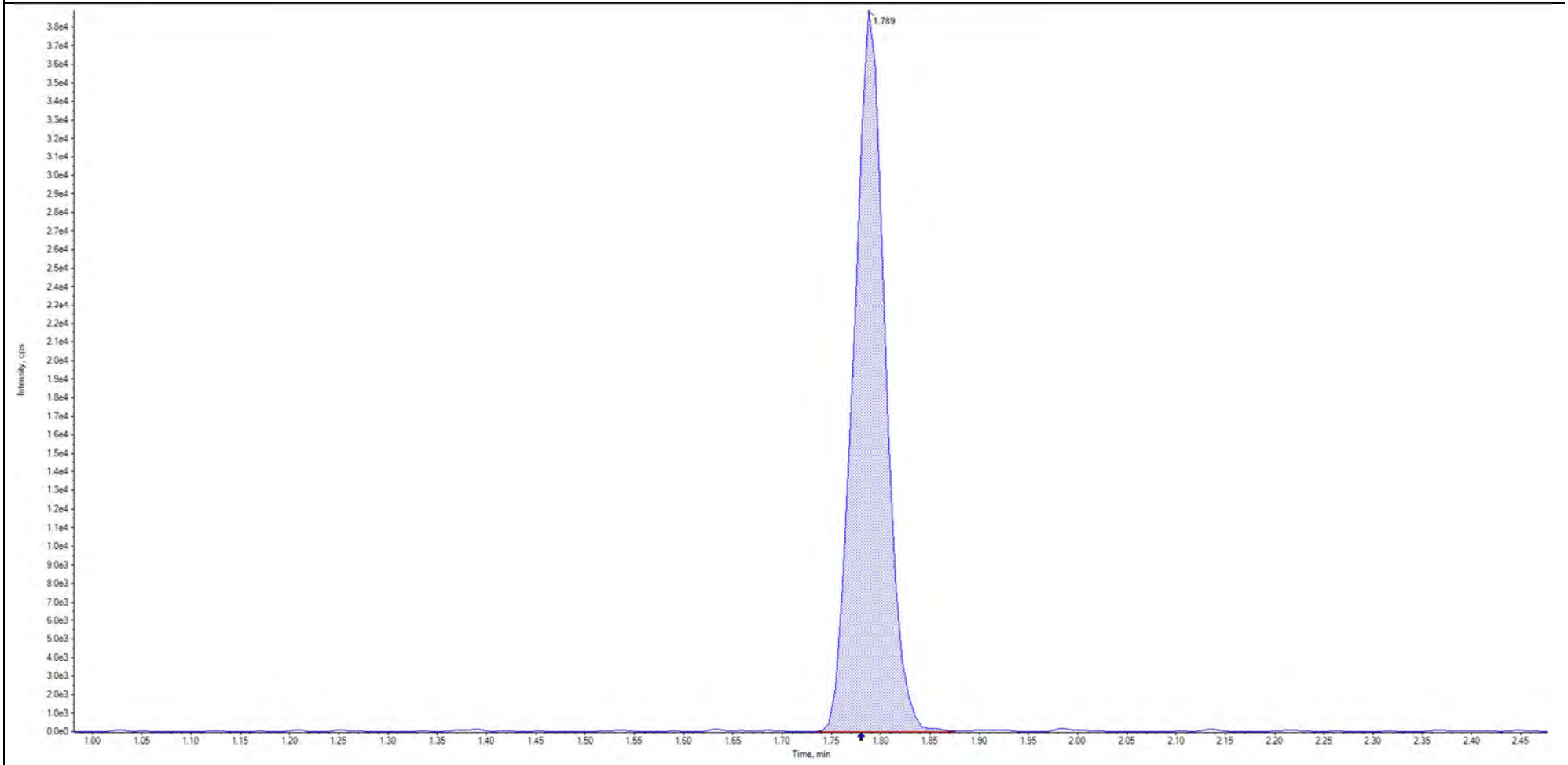
Generated: 2/28/2025 12:43:00 PM

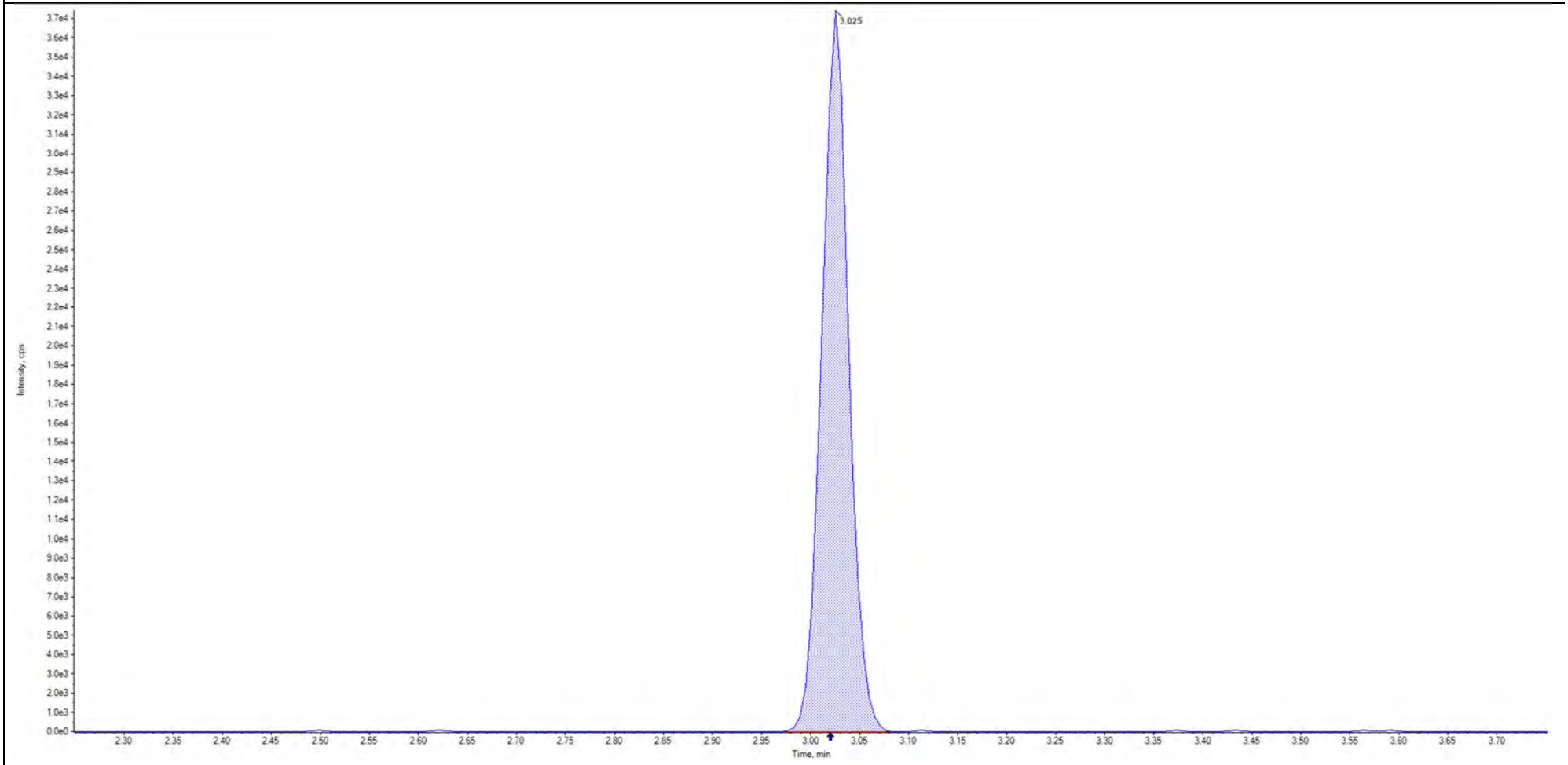
13C8-PFOS
Sample: IA1633STD-50



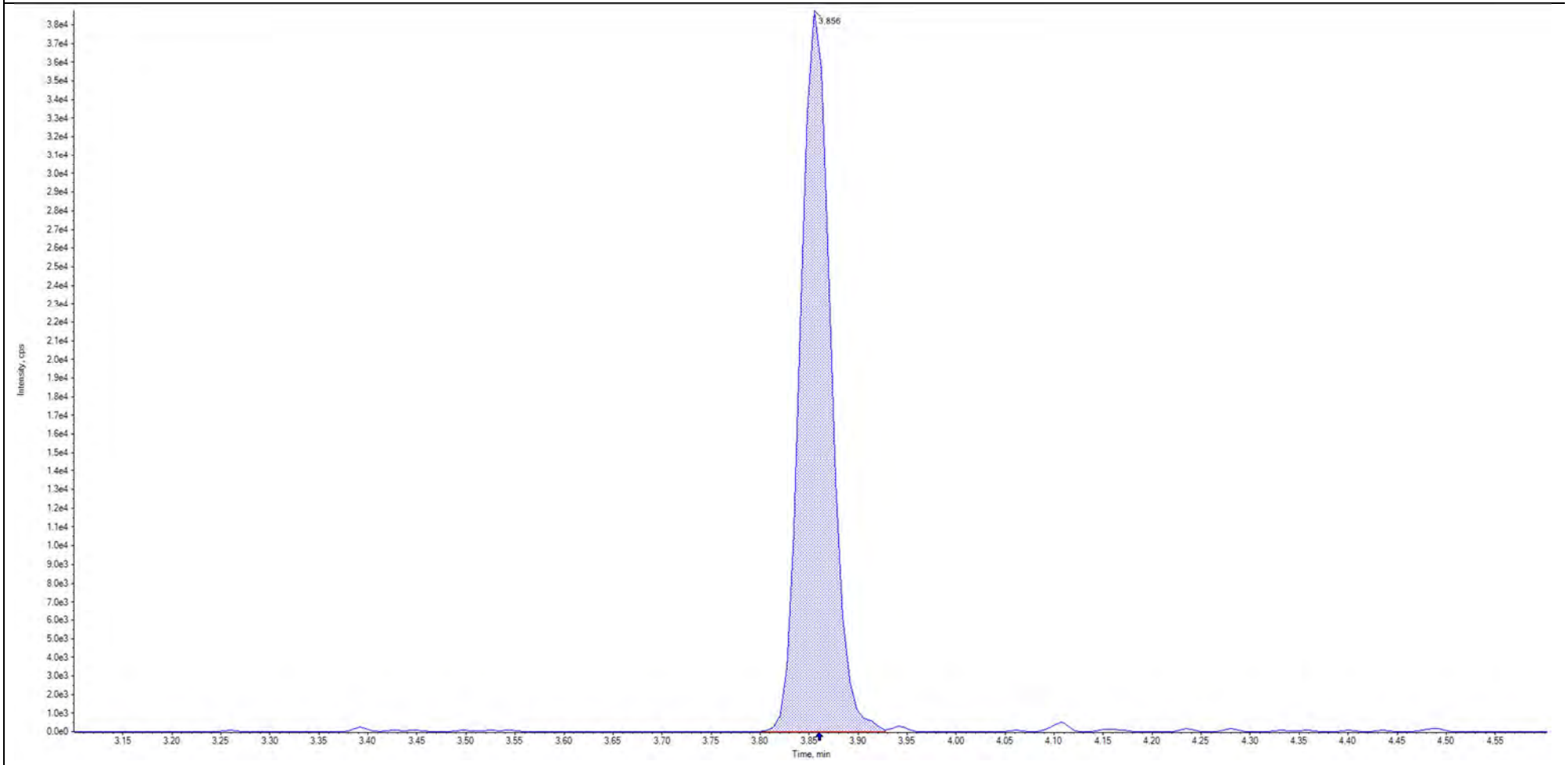
13C2-4:2FTS
Sample: IA1633STD-50



13C2-6:2FTS
Sample: IA1633STD-50



13C2-8:2FTS
Sample: IA1633STD-50



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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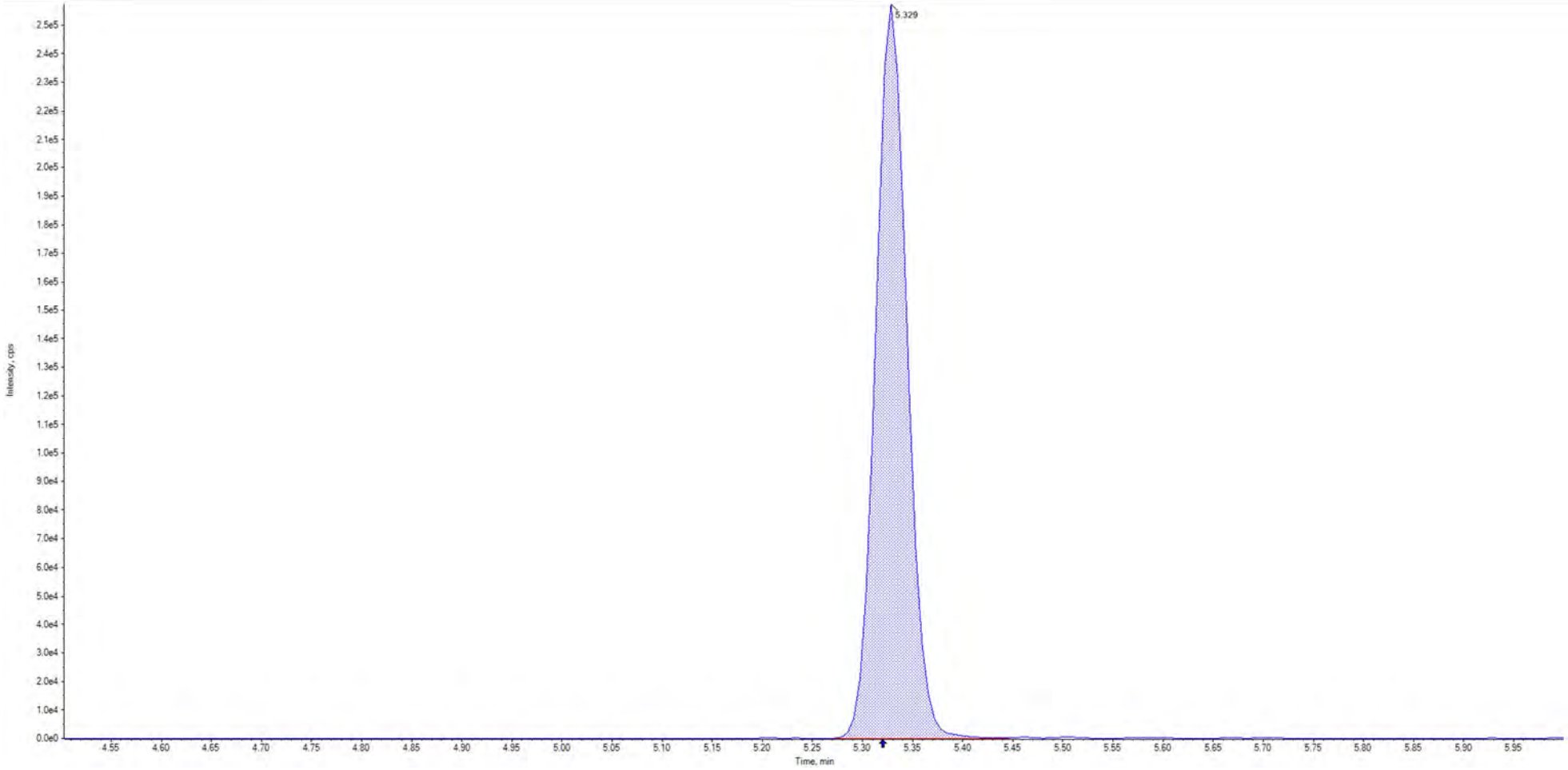
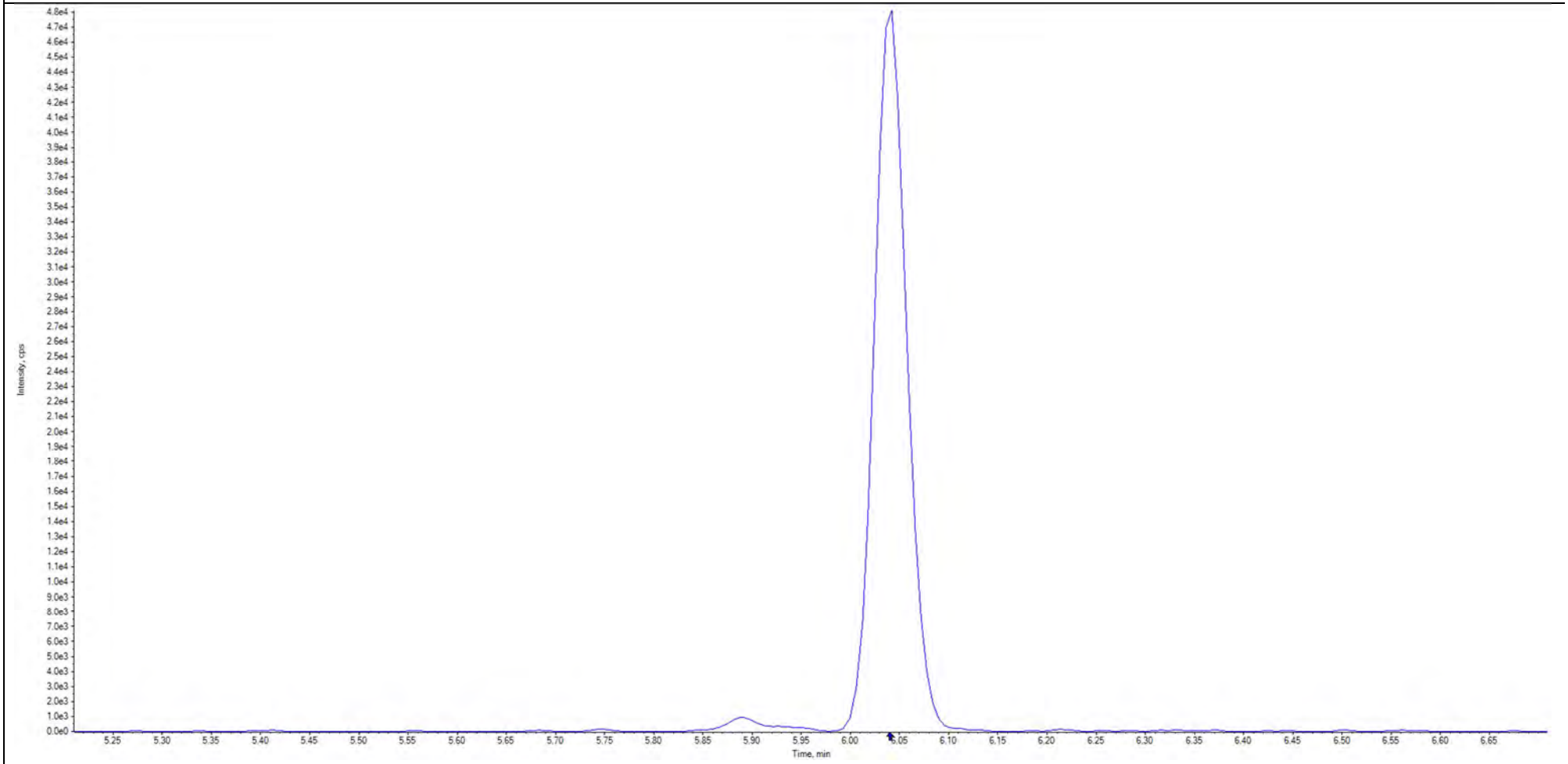
Generated: 2/28/2025 12:43:00 PM

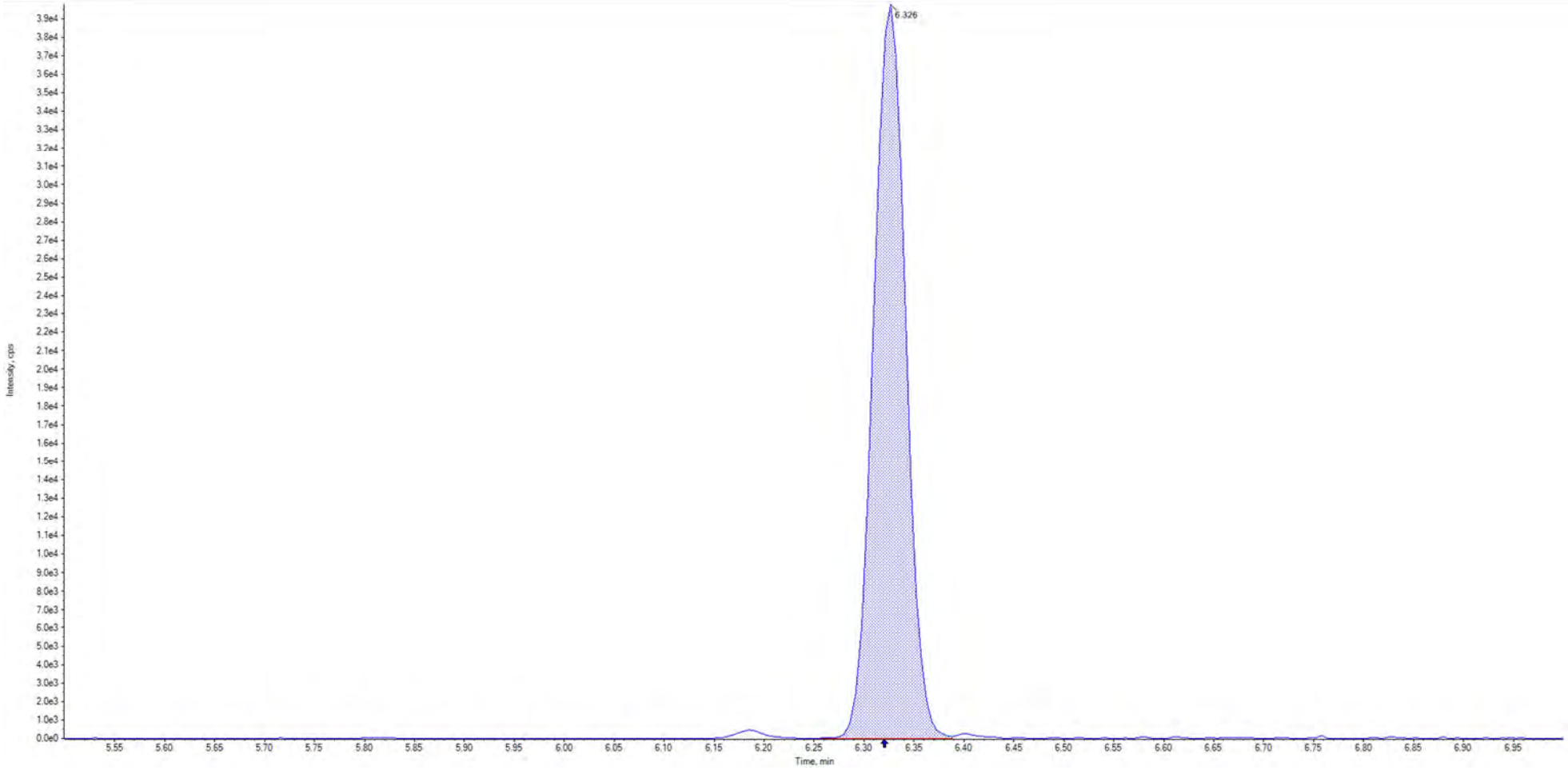
13C8-PFOSA
Sample: IA1633STD-50



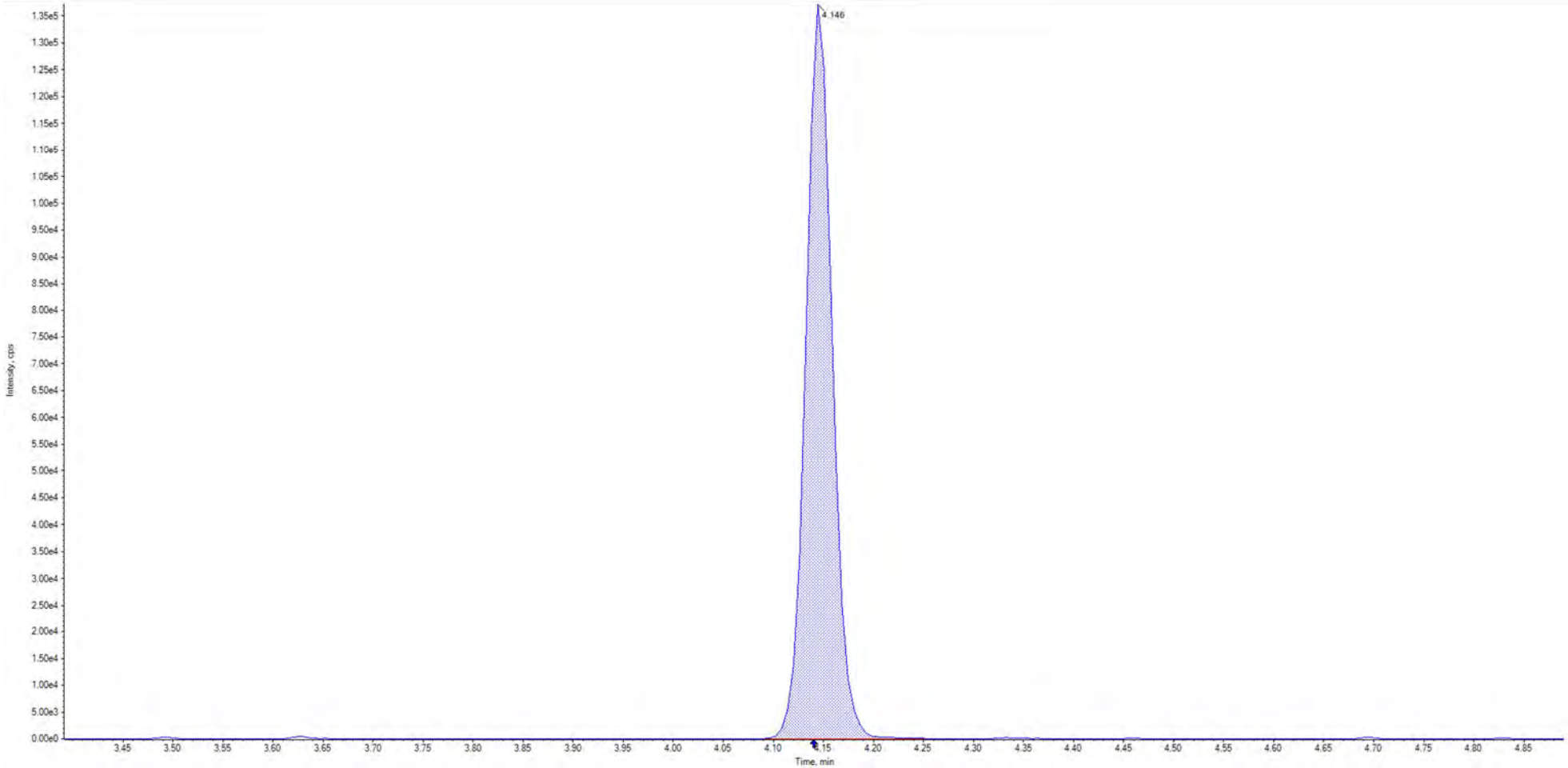
d3-NMeFOSA
Sample: IA1633STD-50



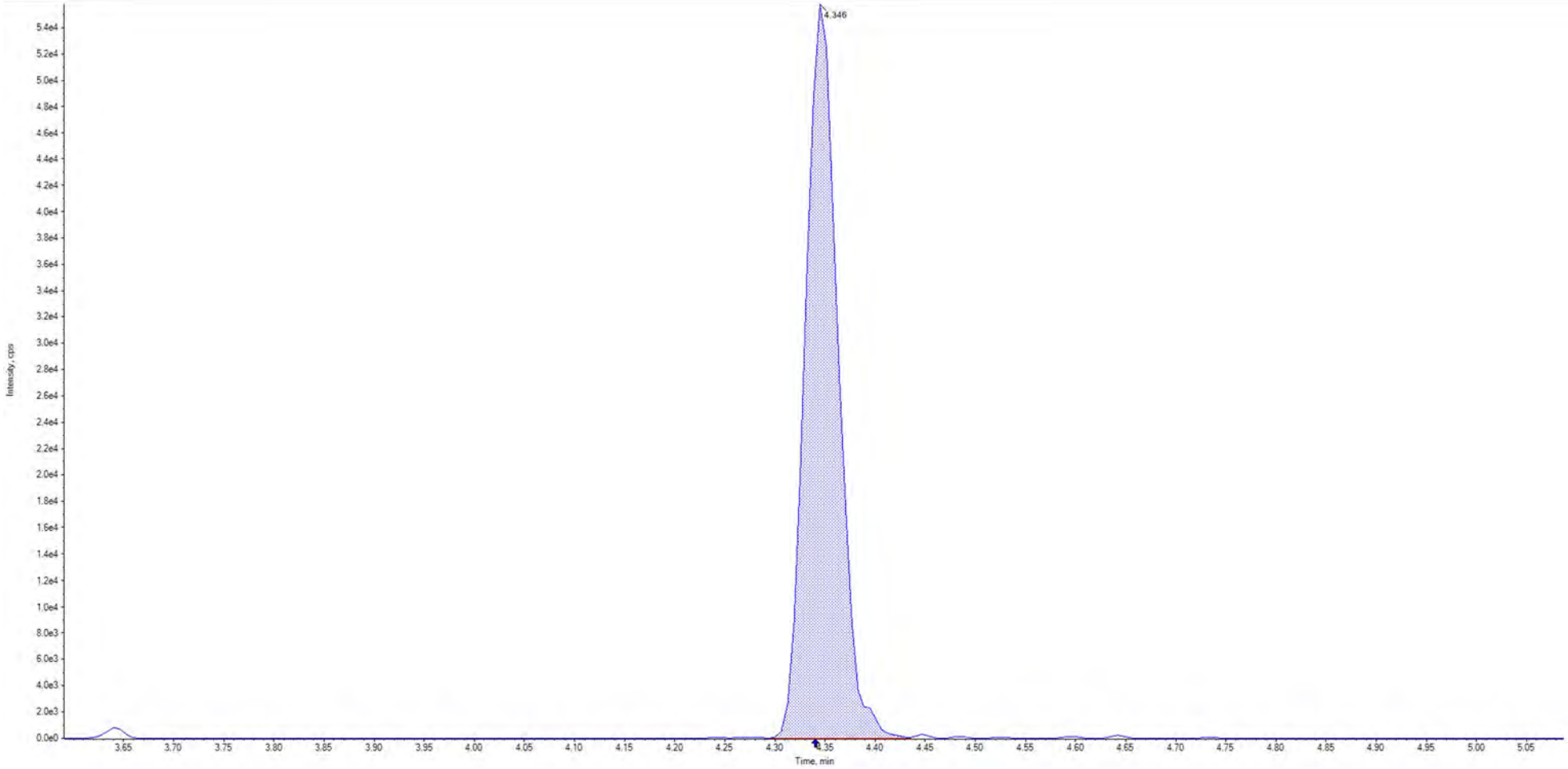
d5-NEtFOSA
Sample: IA1633STD-50



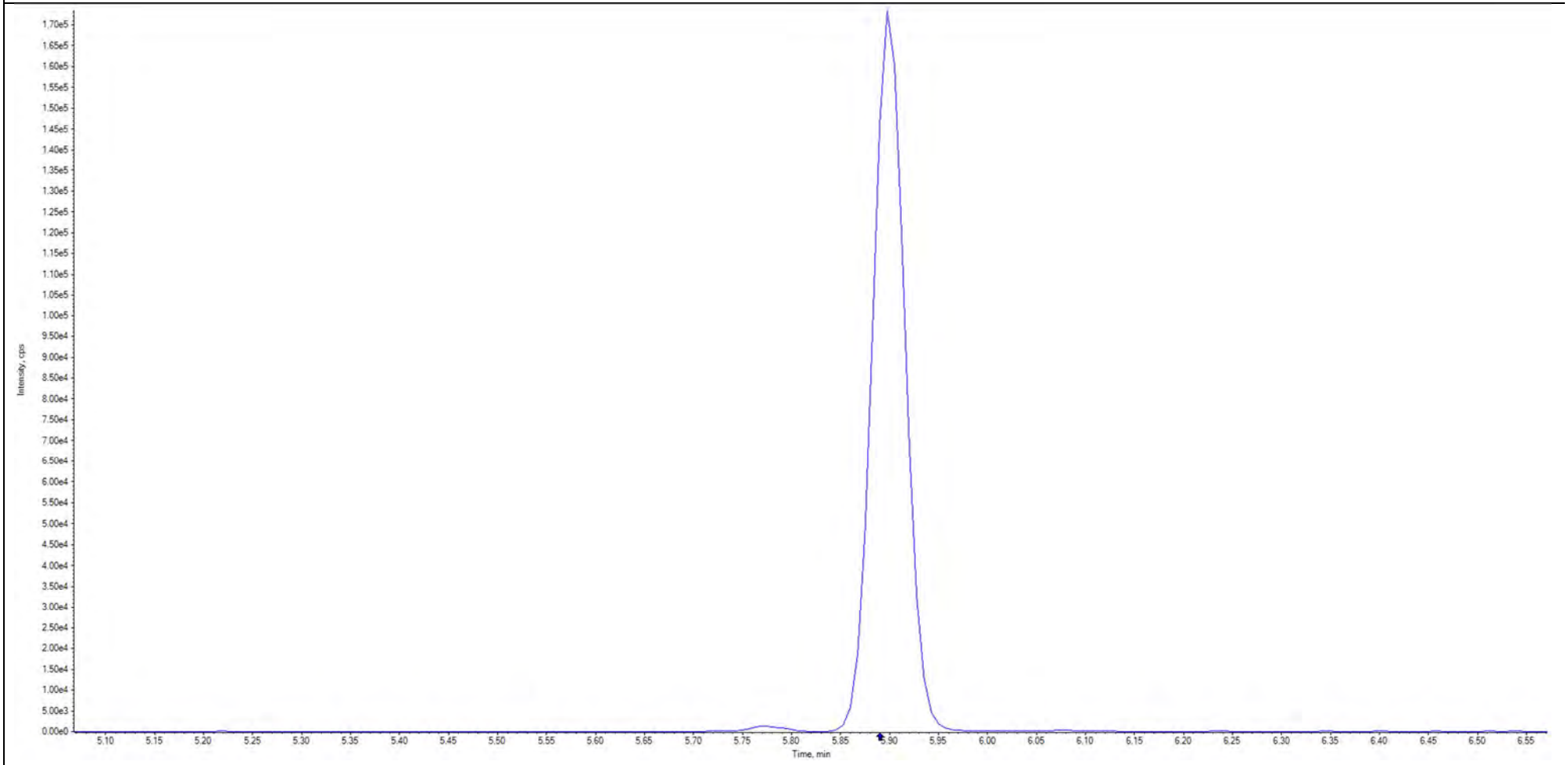
d3-NMeFOSAA
Sample: IA1633STD-50



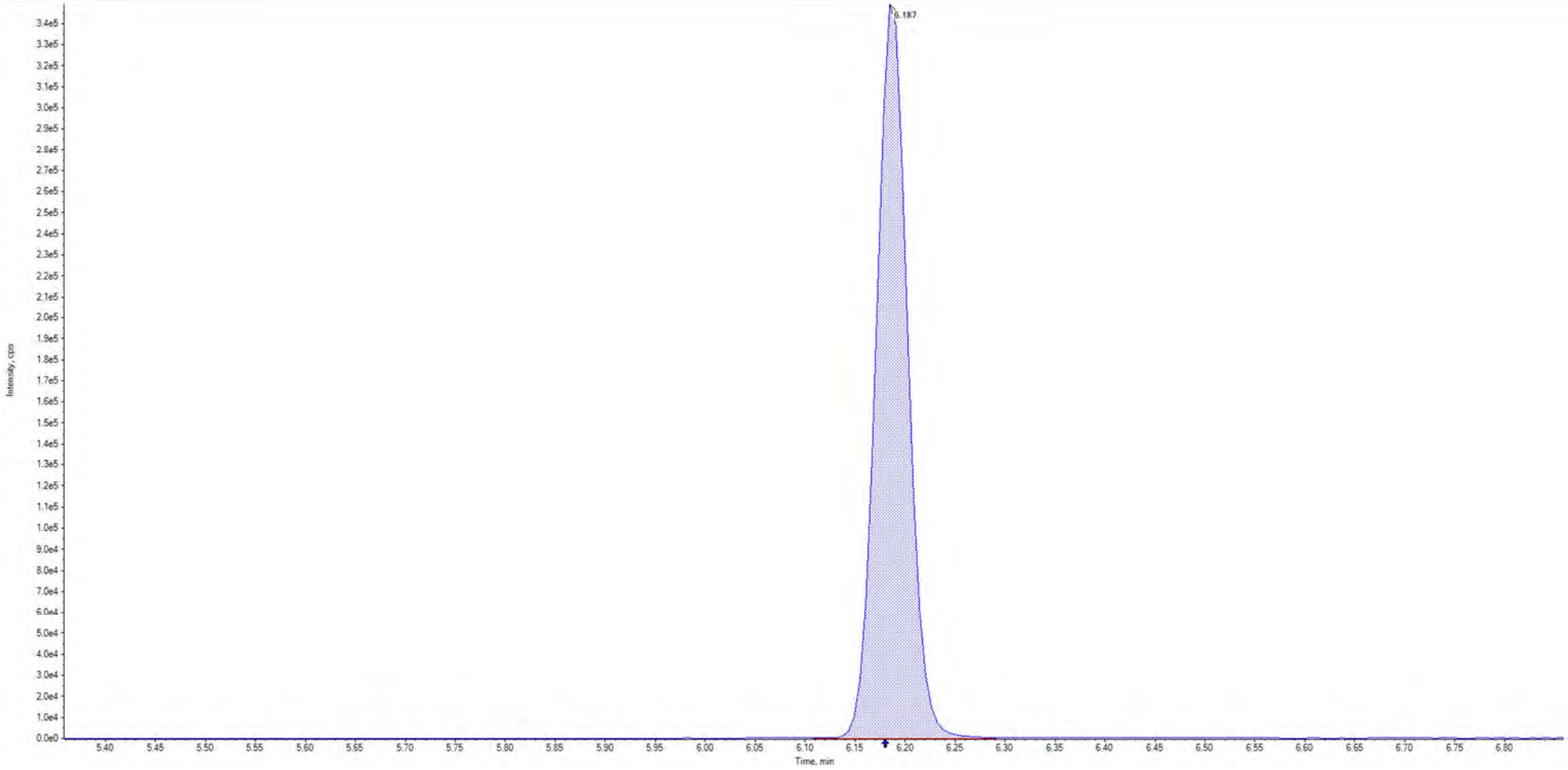
d5-NEtFOSAA
Sample: IA1633STD-50



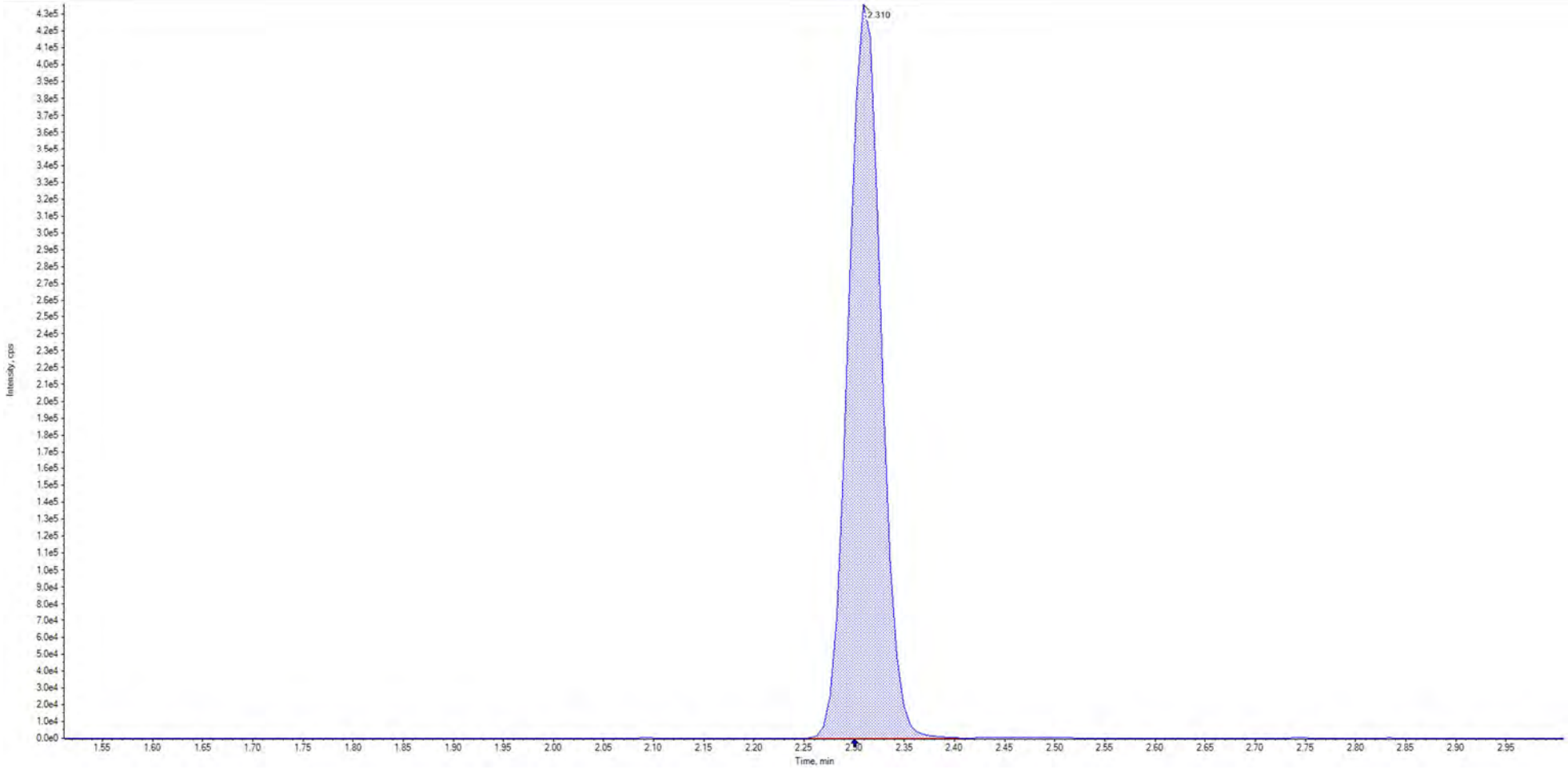
d7-NMeFOSE
Sample: IA1633STD-50



d9-NEtFOSE
Sample: IA1633STD-50



13C3-HFPO-DA
Sample: IA1633STD-50



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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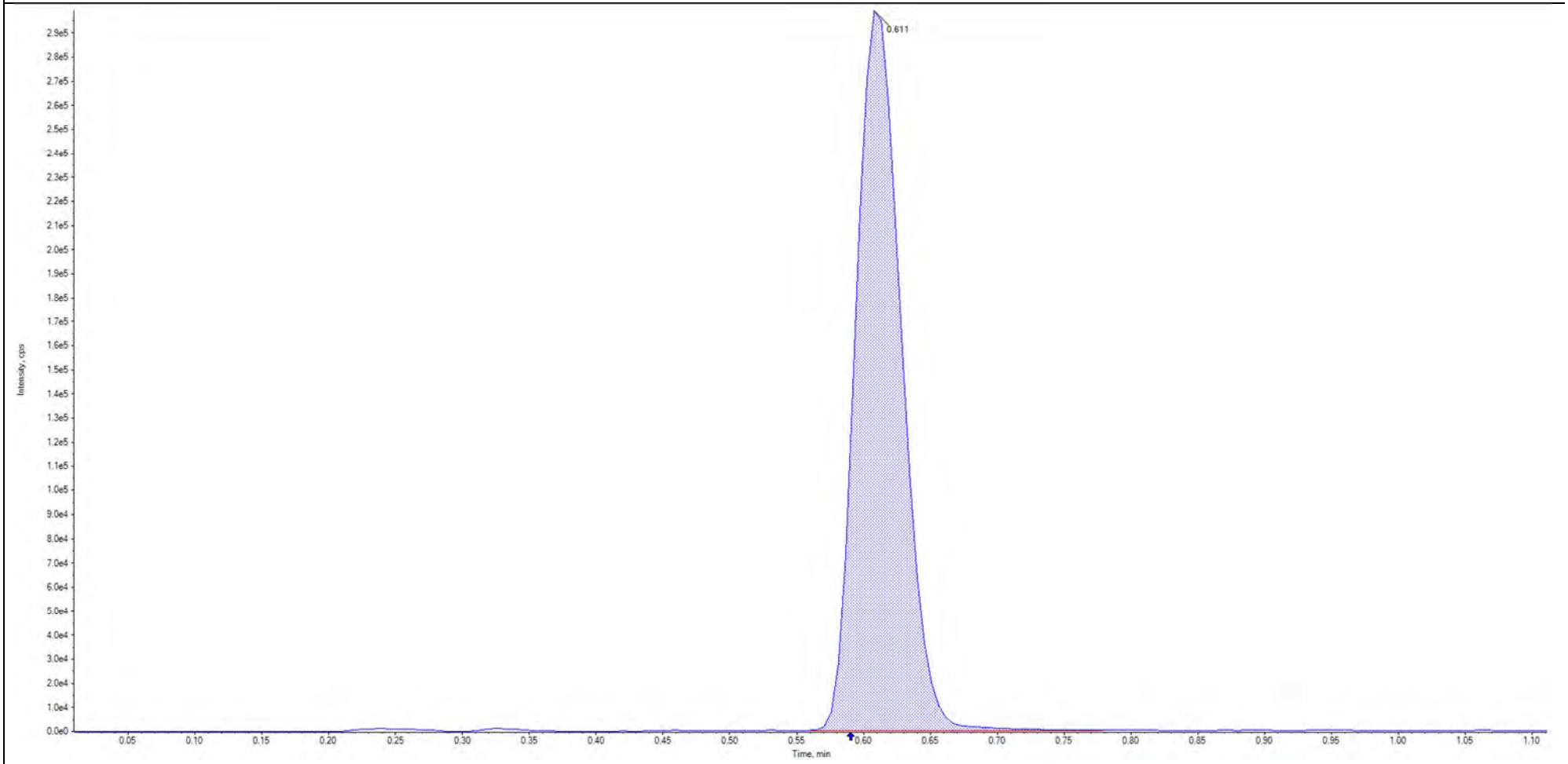
13C3-PFBA
Sample: IA1633STD-50



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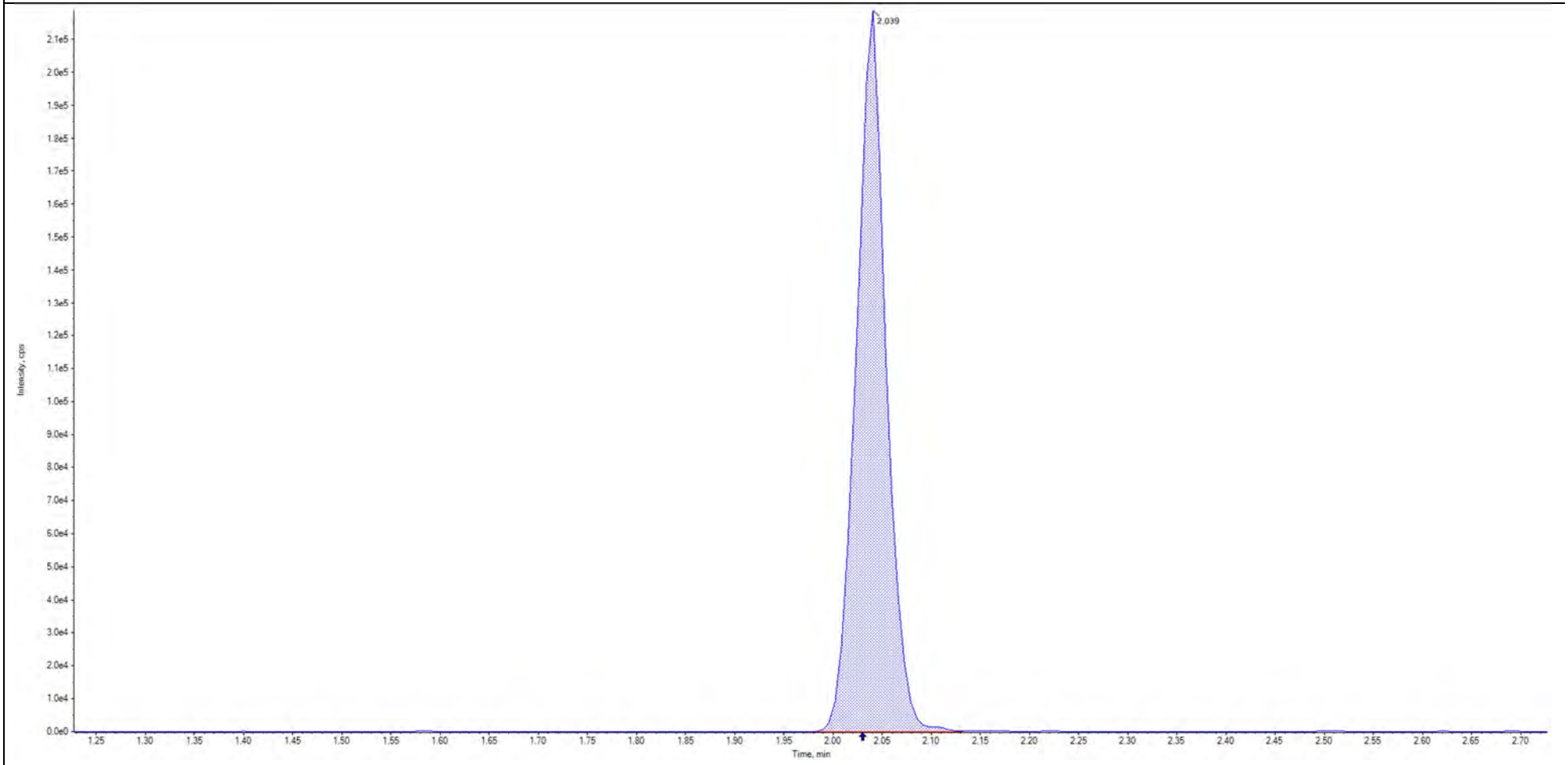
13C2-PFHxA
Sample: IA1633STD-50



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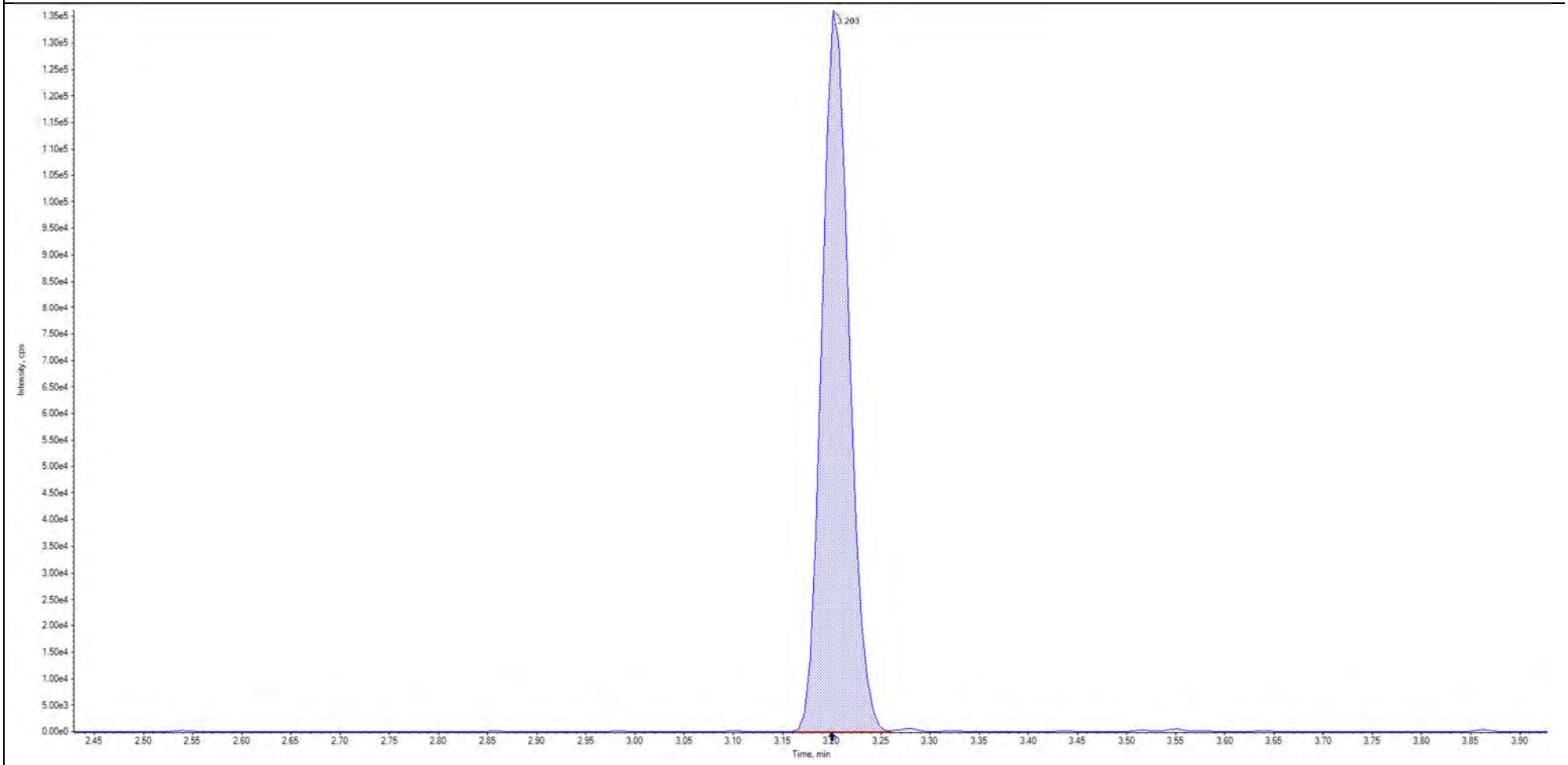
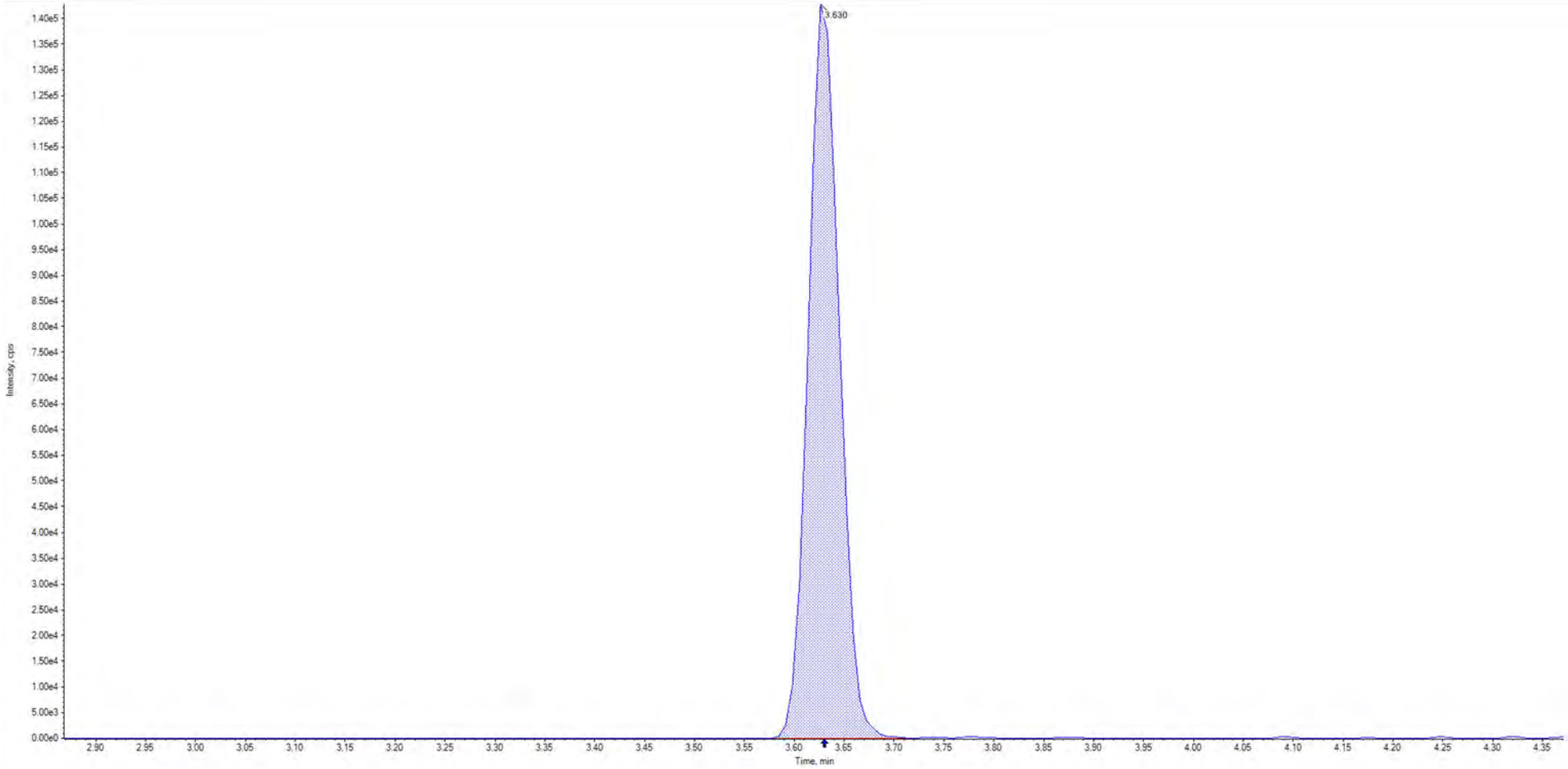
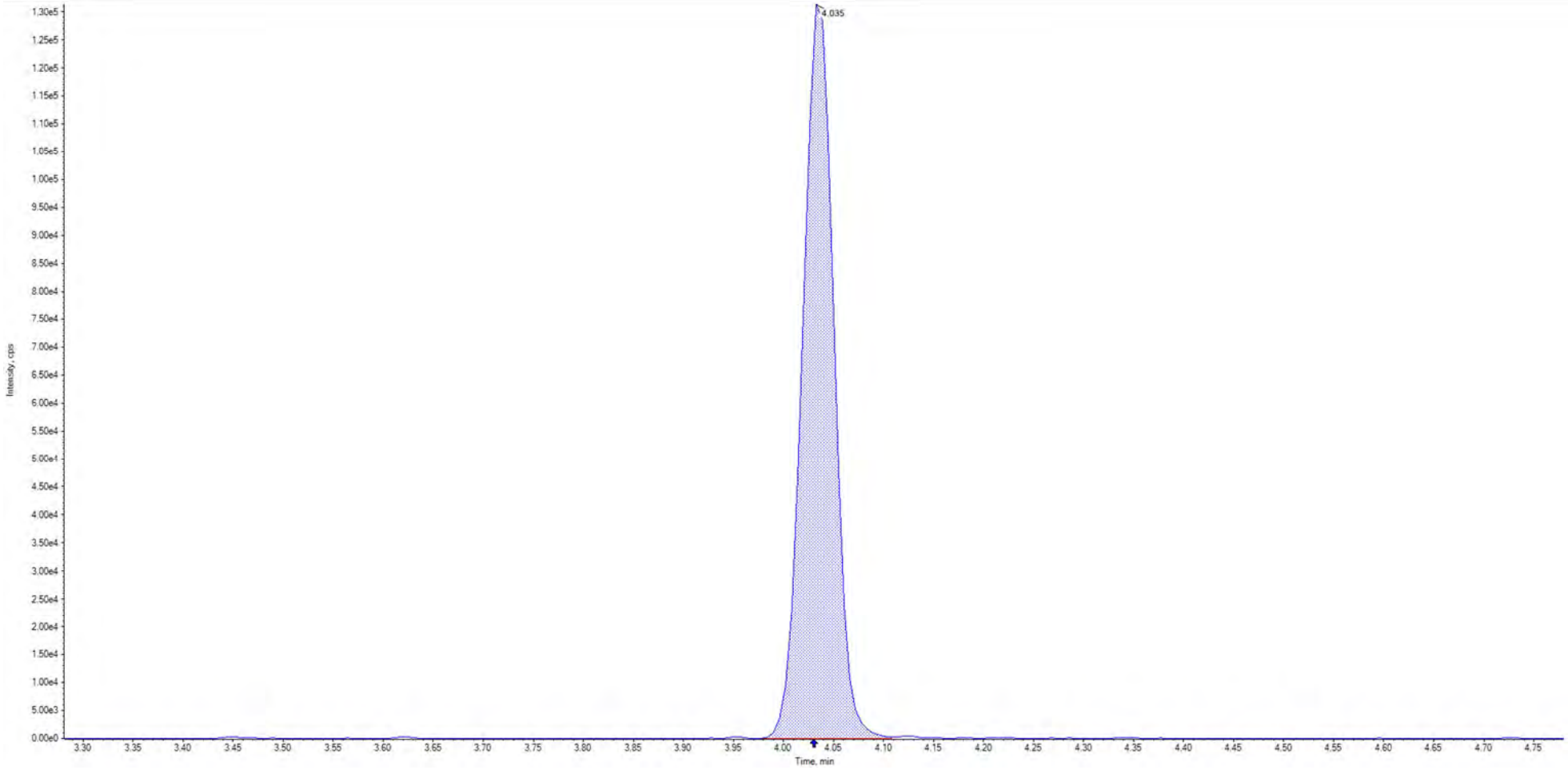
13C4-PFOA
Sample: IA1633STD-50



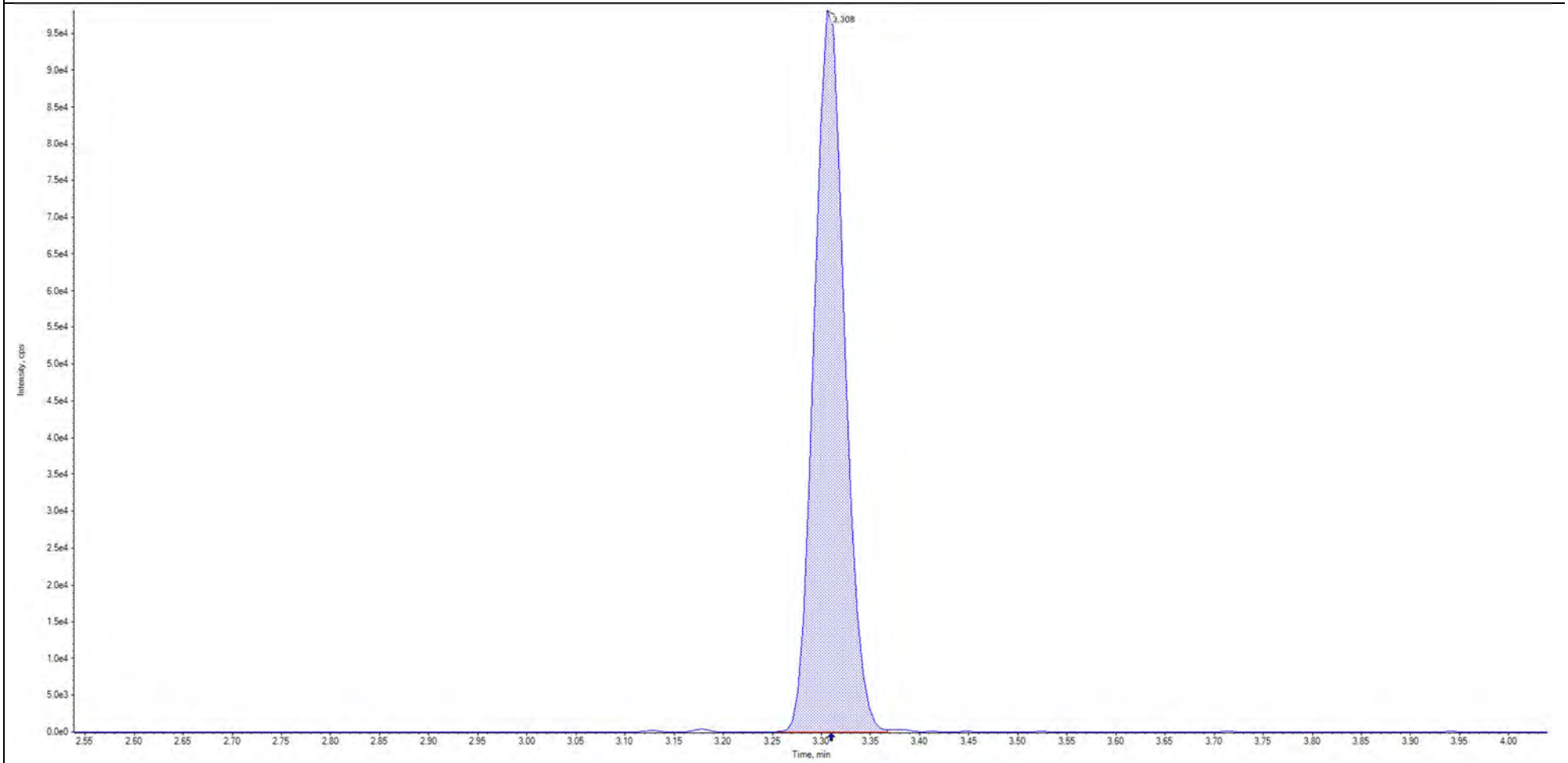
13C5-PFNA
Sample: IA1633STD-50



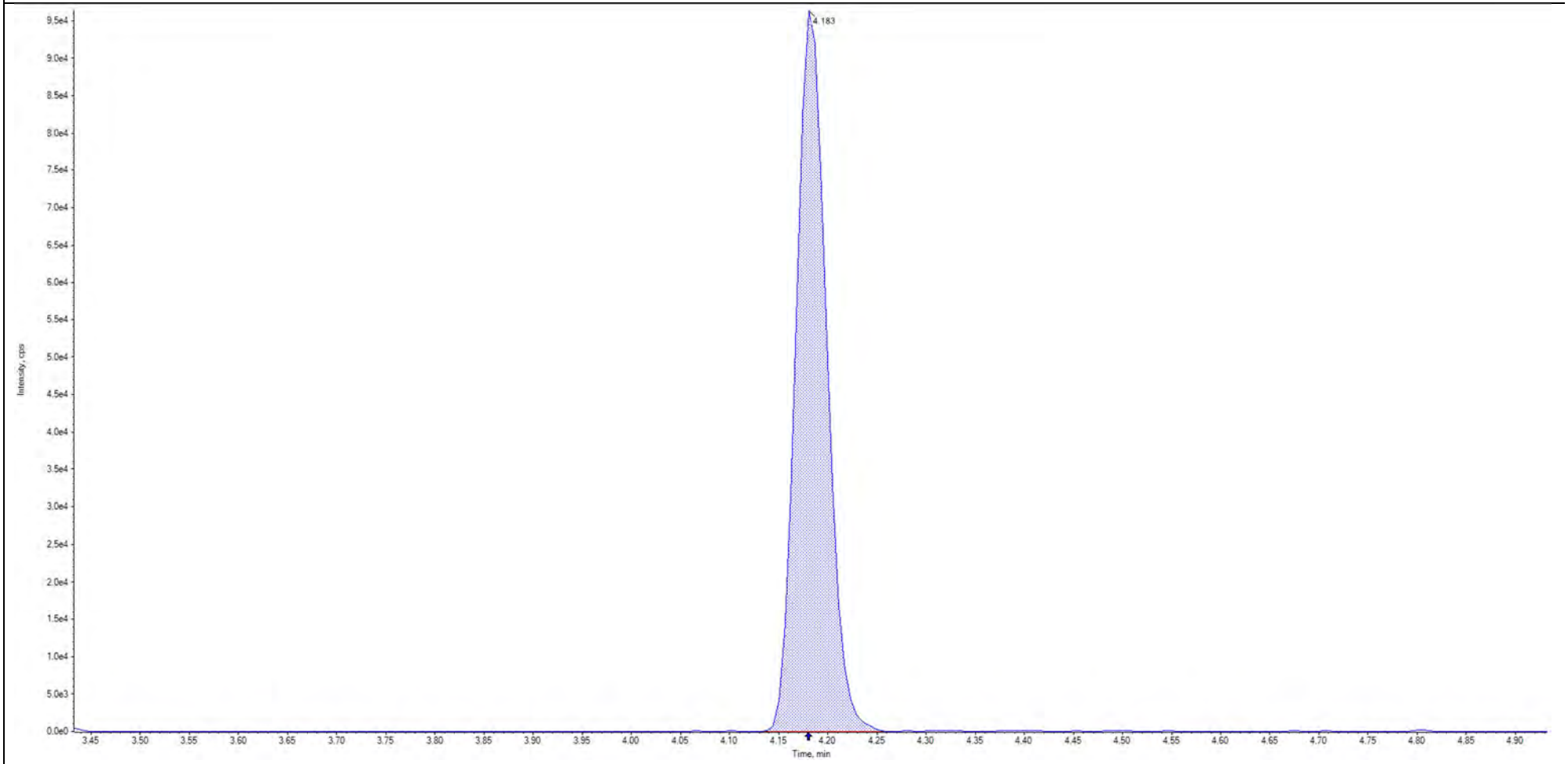
13C2-PFDA
Sample: IA1633STD-50



18O2-PFHxS
Sample: IA1633STD-50



13C4-PFOS
Sample: IA1633STD-50



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Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Generated: 3/1/2025 7:28:00 AM

Method: EPA1633F_250228A.qmethod
Calibration: 250228_EPA1633_ICAL

ID: WG2035470-1,BSICS
Name: SCI07_250228_29.wiff2
Date & Time: 2025-02-28T12:49:16
Description: WG2035470,,EPA1633F_250228_CAL_L5
Instrument: SCIEX Triple Quad 5500+
User: LCMS07: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
76	TDCA	RT +/- PFOS	1.30	499.1 / 124.1	2228988		10.110	4.812	4.812	Pass	101.1
77	TDCA_2	RT +/- PFOS	1.30	499.1 / 79.9	10725482		9.695	4.812	4.812	Pass	97.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.59	217.0 / 172.0	2484581		10.637	NA	NA	NA	106.4
	13C5-PFPeA	EIS	1.18	268.0 / 223.0	732783		5.363	NA	NA	NA	107.3

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C5-PFHxA	EIS	2.03	318.0 / 273.0	319824		2.528	NA	NA	NA	101.1
13C4-PFHpA	EIS	2.71	367.0 / 322.0	611166		2.664	NA	NA	NA	106.6
13C8-PFOA	EIS	3.20	420.8 / 376.0	799019		2.683	NA	NA	NA	107.3
13C9-PFNA	EIS	3.63	472.0 / 427.0	380559		1.416	NA	NA	NA	113.3
13C6-PFDA	EIS	4.03	519.0 / 474.0	380848		1.363	NA	NA	NA	109.0
13C7-PFUnA	EIS	4.43	570.0 / 525.0	386408		1.342	NA	NA	NA	107.4
13C2-PFDoA	EIS	4.81	615.1 / 570.0	341065		1.280	NA	NA	NA	102.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFTeDA	EIS	5.55	715.1 / 670.1	234764		1.330	NA	NA	NA	106.4
	13C3-PFBS	EIS	2.03	302.1 / 80.1	341017		2.152	NA	NA	NA	92.4
	13C3-PFHxS	EIS	3.31	402.1 / 80.1	345816		2.555	NA	NA	NA	107.8
	13C8-PFOS	EIS	4.18	507.1 / 80.1	384592		2.505	NA	NA	NA	104.4
	13C2-4:2FTS	EIS	1.78	329.1 / 81.1	86333		4.277	NA	NA	NA	91.2
	13C2-6:2FTS	EIS	3.02	429.2 / 81.1	71678		4.353	NA	NA	NA	91.5
	13C2-8:2FTS	EIS	3.86	529.2 / 81.1	84751		4.369	NA	NA	NA	91.0
	13C8-PFOSA	EIS	5.32	506.1 / 78.1	626852		2.484	NA	NA	NA	99.4

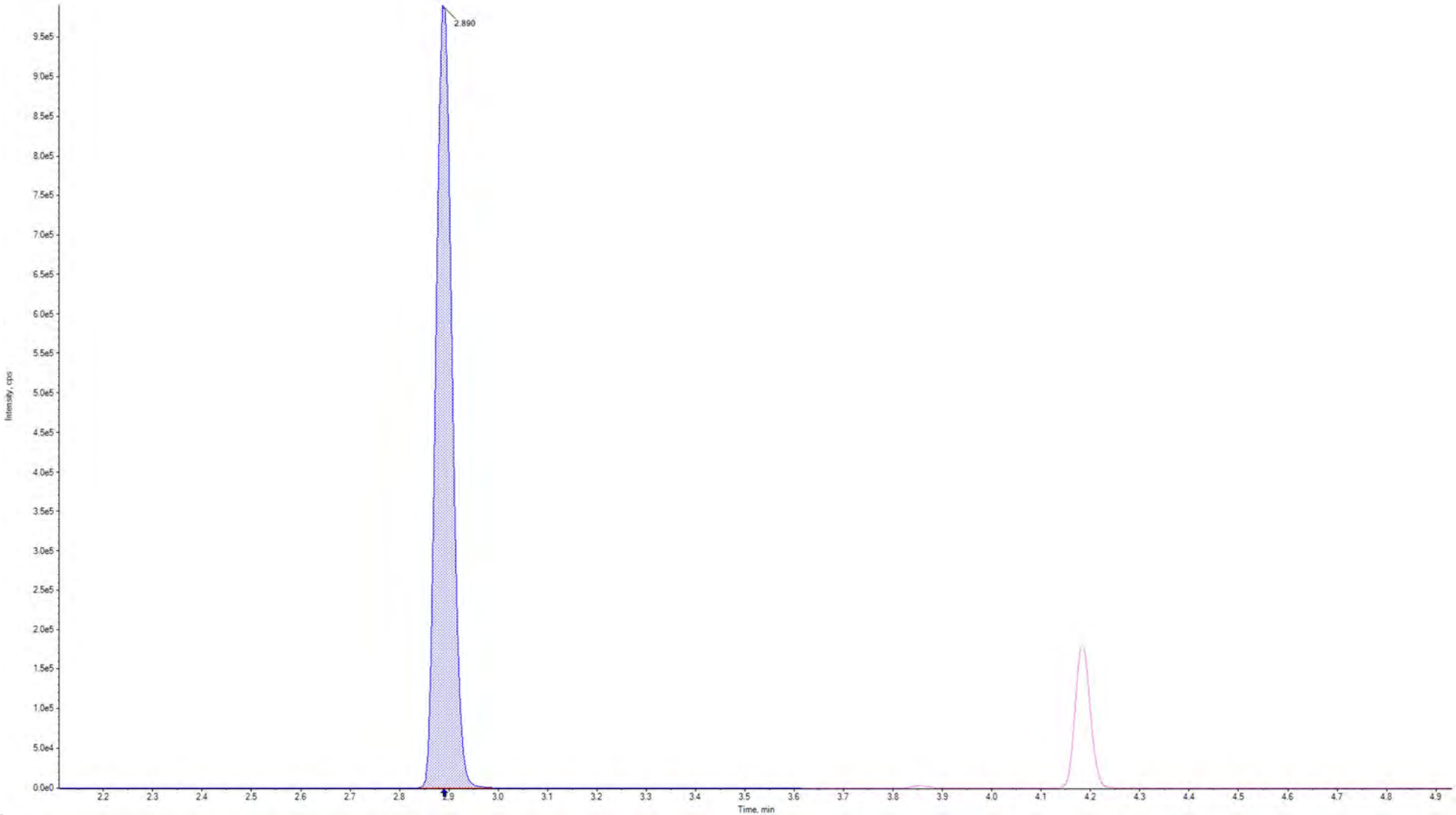
Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
d3-NMeFOSA	EIS	6.04	515.2 / 219.0	109628		2.417	NA	NA	NA	96.7
d5-NEtFOSA	EIS	6.32	531.2 / 219.0	95083		2.444	NA	NA	NA	97.7
d3-NMeFOSAA	EIS	4.14	573.2 / 419.1	343935		5.405	NA	NA	NA	108.1
d5-NEtFOSAA	EIS	4.34	589.3 / 419.1	130176		4.808	NA	NA	NA	96.2
d7-NMeFOSE	EIS	5.89	623.2 / 58.9	354093		25.178	NA	NA	NA	100.7
d9-NEtFOSE	EIS	6.18	639.2 / 58.9	792438		24.499	NA	NA	NA	98.0
13C3-HFPO-DA	EIS	2.30	287.0 / 169.0	984546		10.393	NA	NA	NA	103.9

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_29.wiff2_4
Last Altered: 3/1/2025 8:44:11 AM
Generated: 3/1/2025 7:28:00 AM

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-PFBA	NIS	0.59	216.0 / 172.0	1047439		5.334	NA	NA	NA	106.7
	13C2-PFHxA	NIS	2.03	315.0 / 270.0	487307		2.505	NA	NA	NA	100.2
	13C4-PFOA	NIS	3.20	417.0 / 372.0	204795		2.427	NA	NA	NA	97.1
	13C5-PFNA	NIS	3.63	468.0 / 423.0	351038		1.251	NA	NA	NA	100.1
	13C2-PFDA	NIS	4.03	515.1 / 470.1	327376		1.270	NA	NA	NA	101.6
	18O2-PFHxS	NIS	3.31	403.1 / 84.1	267271		2.683	NA	NA	NA	113.2
	13C4-PFOS	NIS	4.18	503.1 / 80.1	281269		2.577	NA	NA	NA	107.4

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_29.wiff2_4
Last Altered: 3/1/2025 8:44:11 AM
Generated: 3/1/2025 7:28:00 AM

TDCA
Sample: WG2035470-1,BSICS S/N:12400.0 Points Across peak:35



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/1/2025 8:44:11 AM
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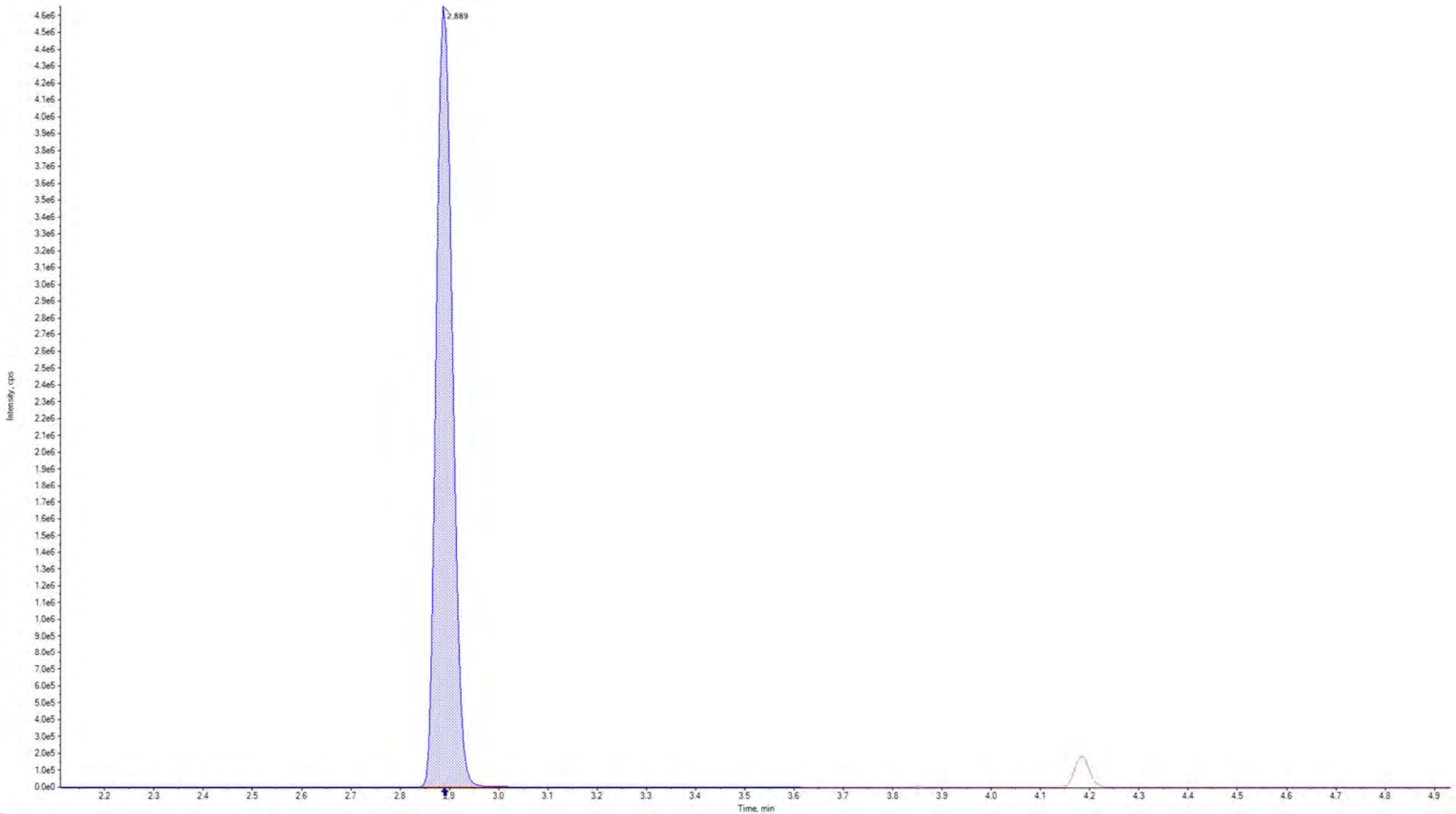
TDCA_2
Sample: WG2035470-1,BSICS S/N:9849.3 Points Across peak:37



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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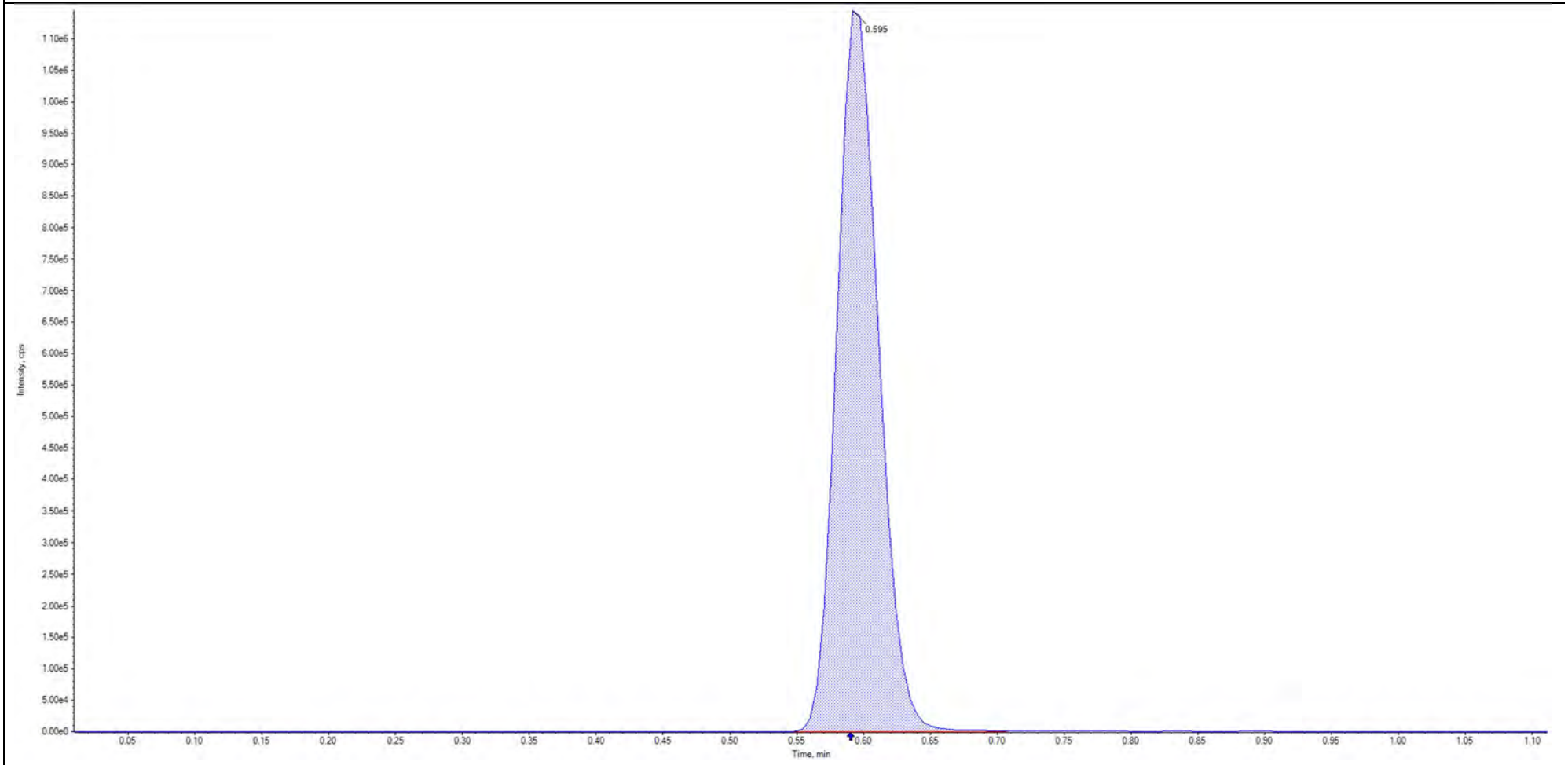
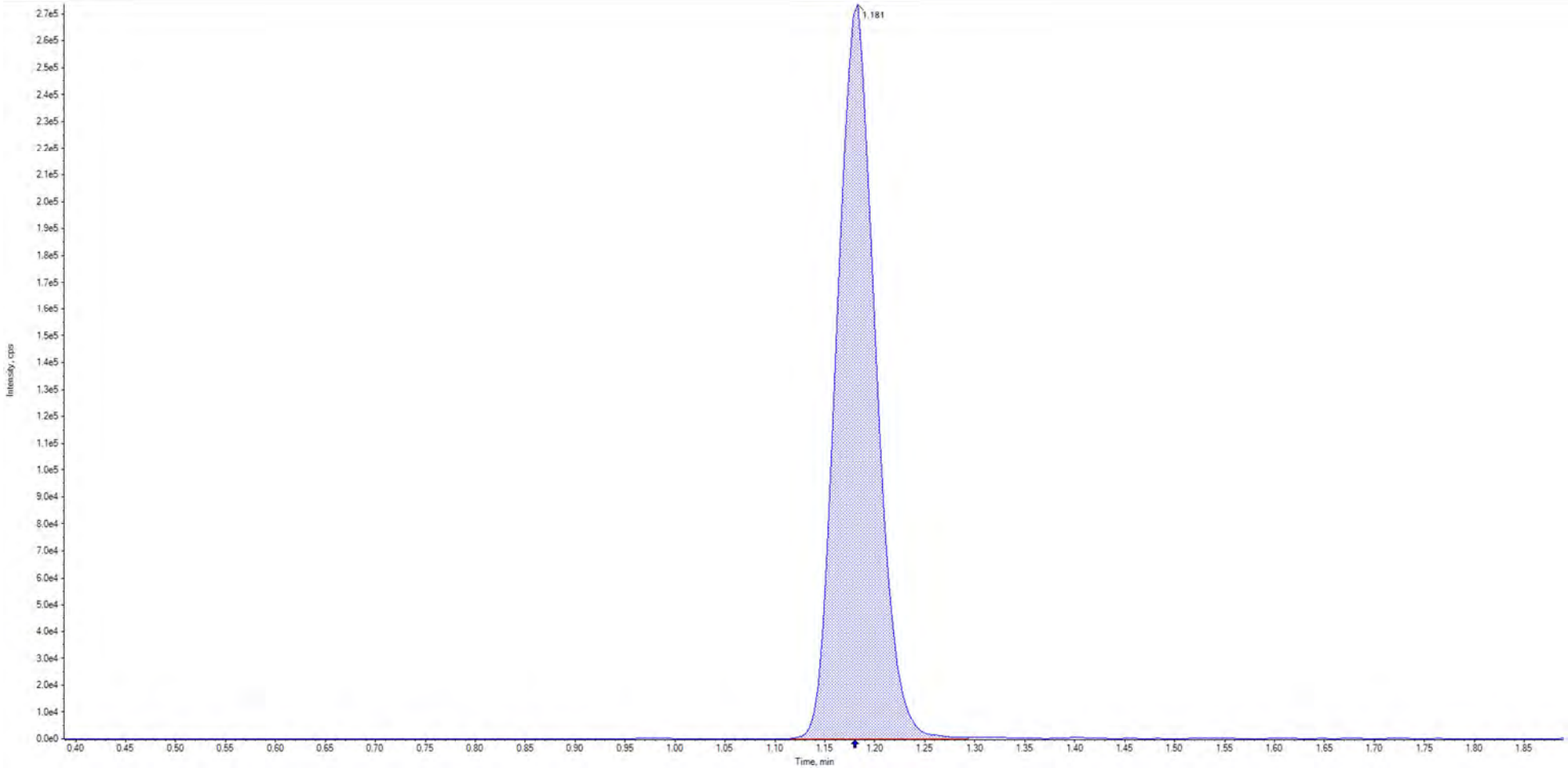
Generated: 3/1/2025 7:28:00 AM

13C4-PFBA
Sample: WG2035470-1,BSICS



13C5-PFPeA
Sample: WG2035470-1,BSICS



13C5-PFHxA
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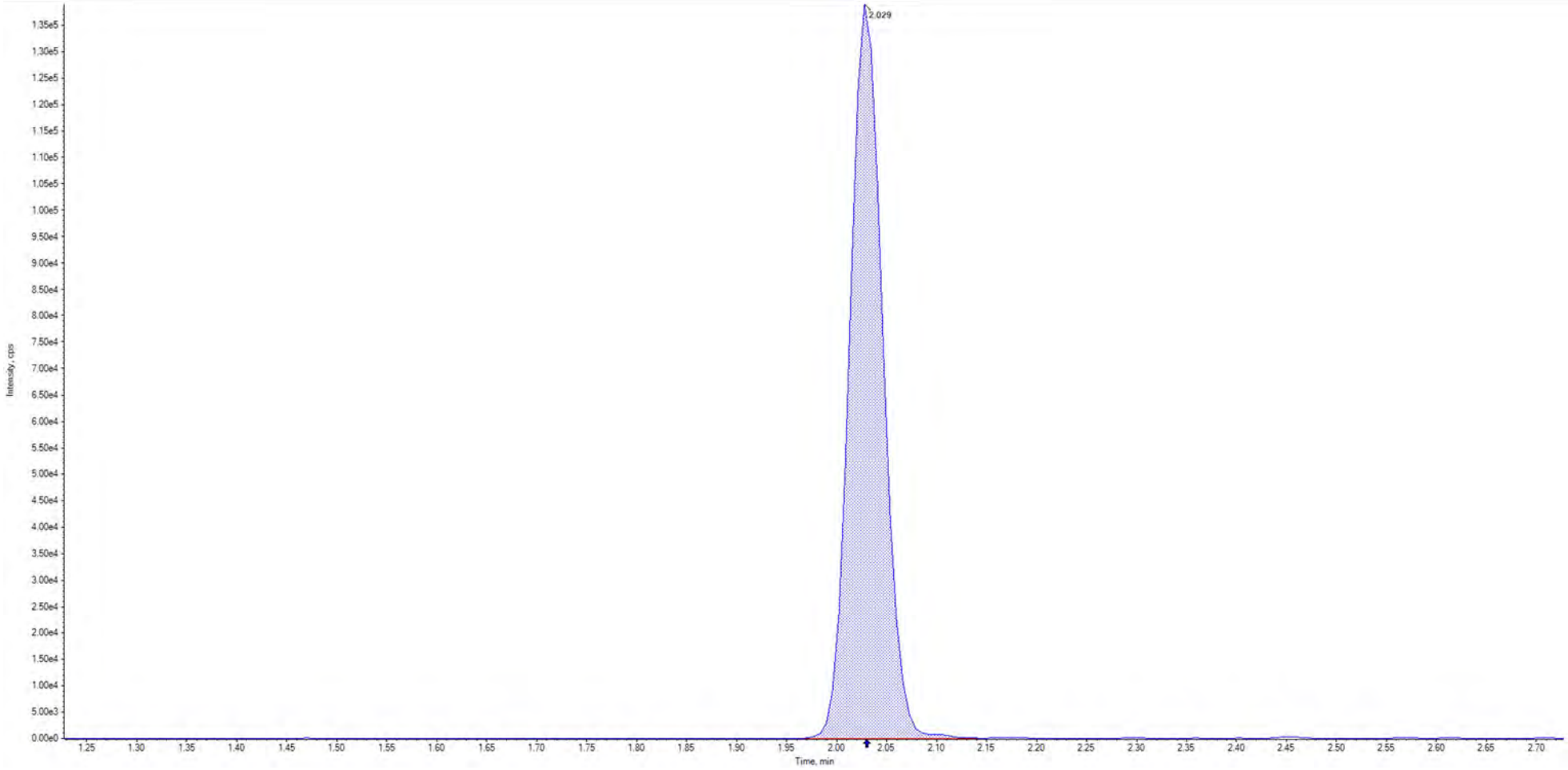

13C4-PFHpA
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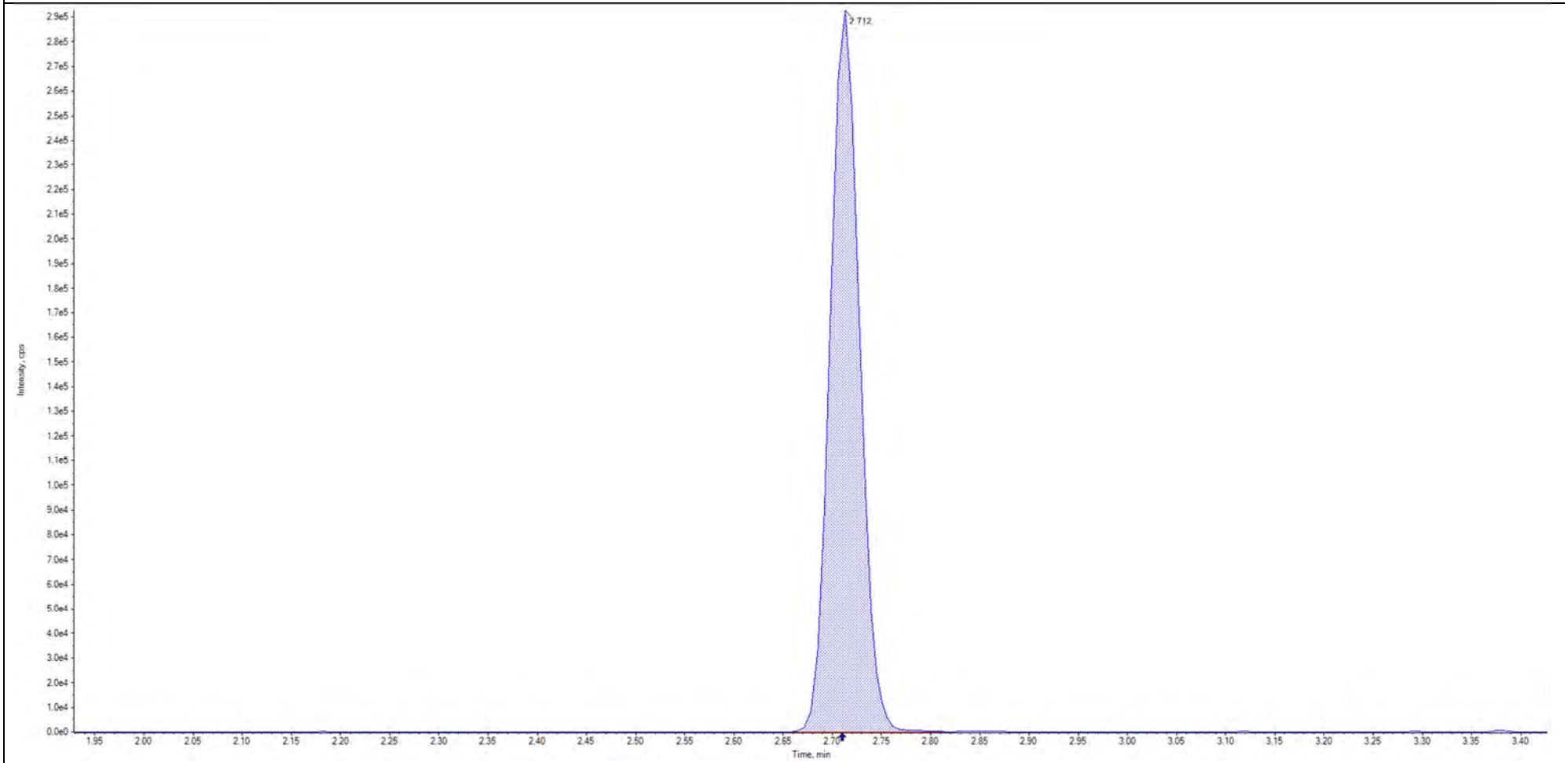

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13C8-PFOA
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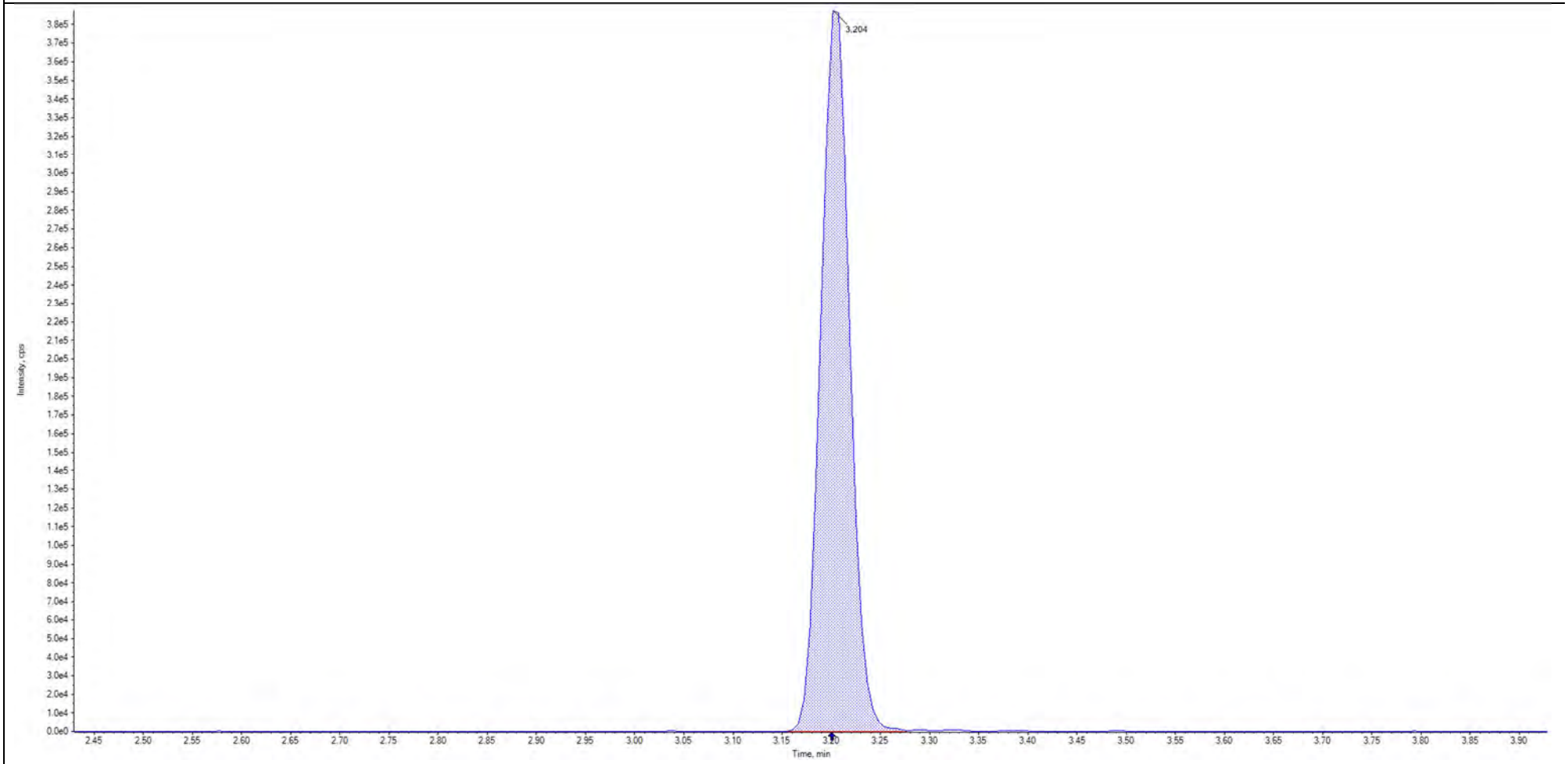
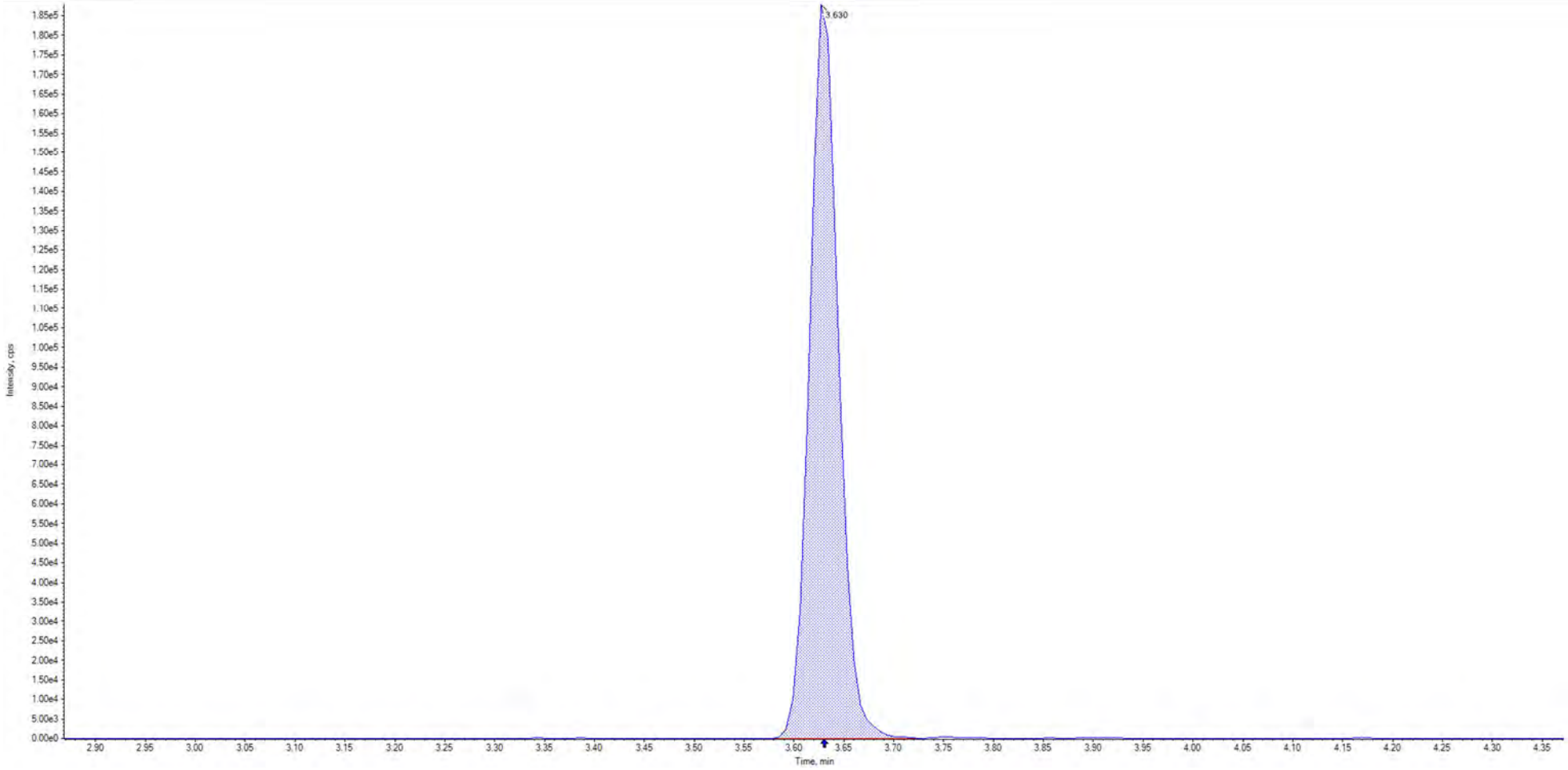
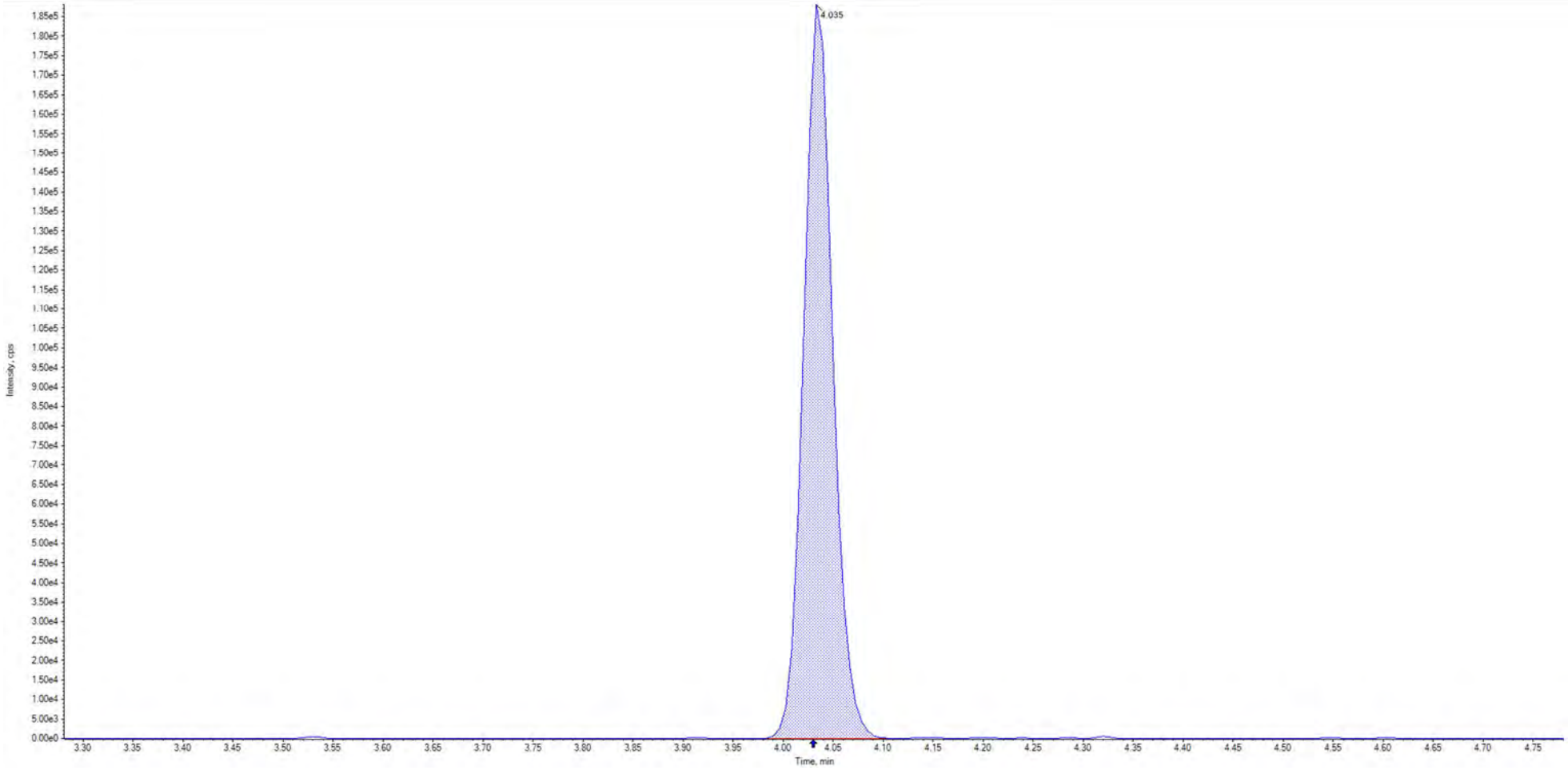


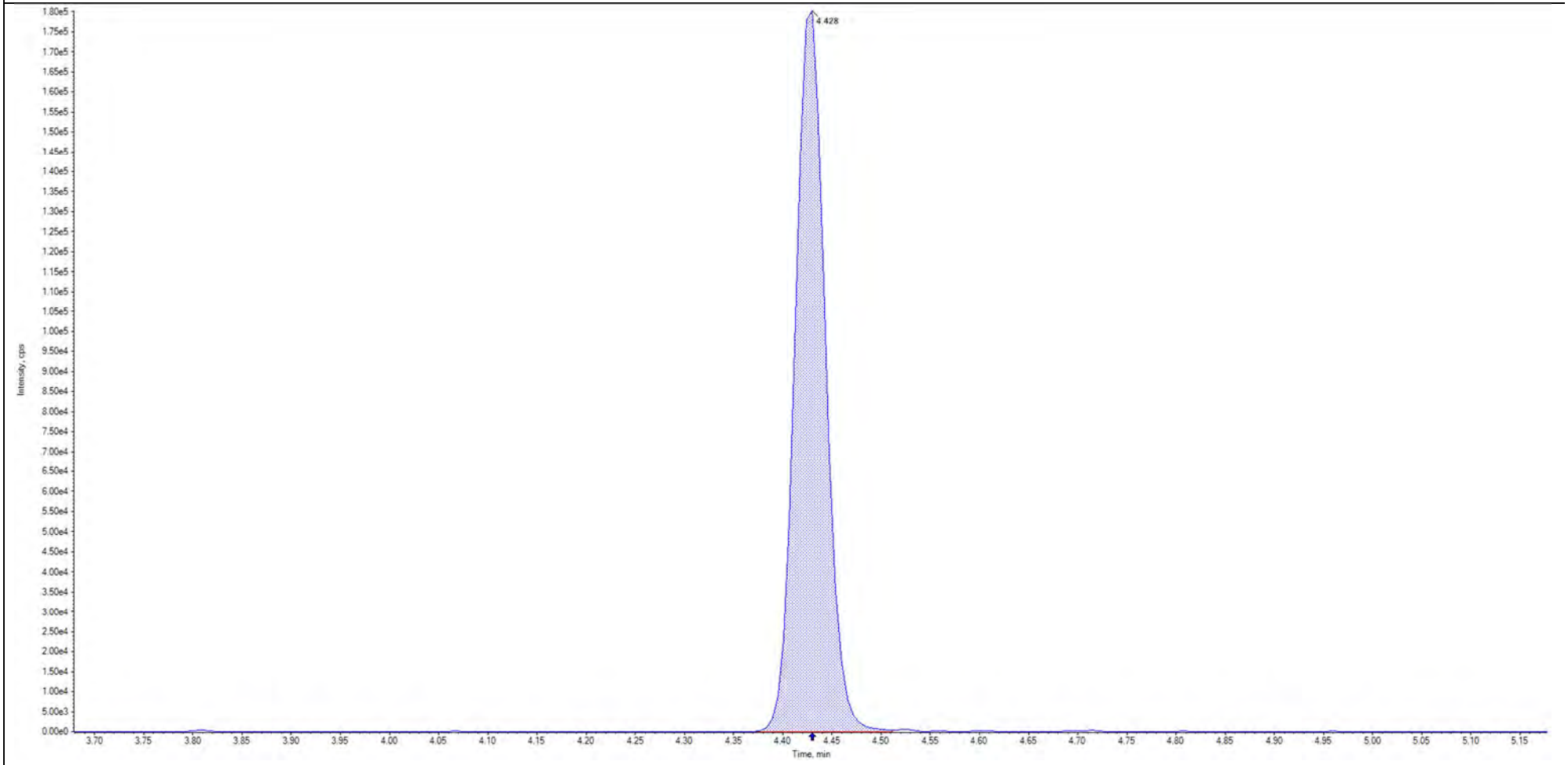
13C9-PFNA
Sample: WG2035470-1,BSICS



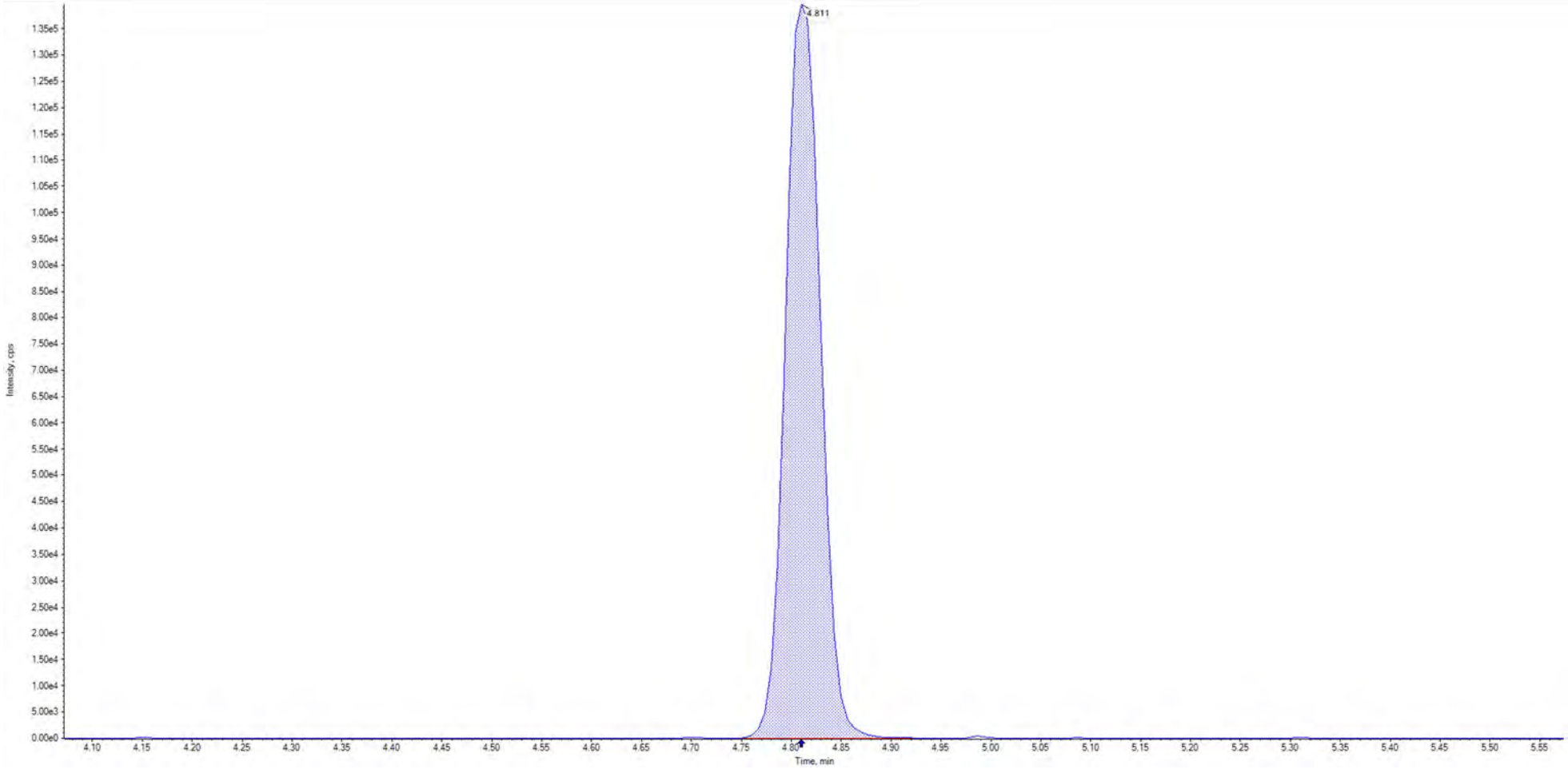
13C6-PFDA
Sample: WG2035470-1,BSICS



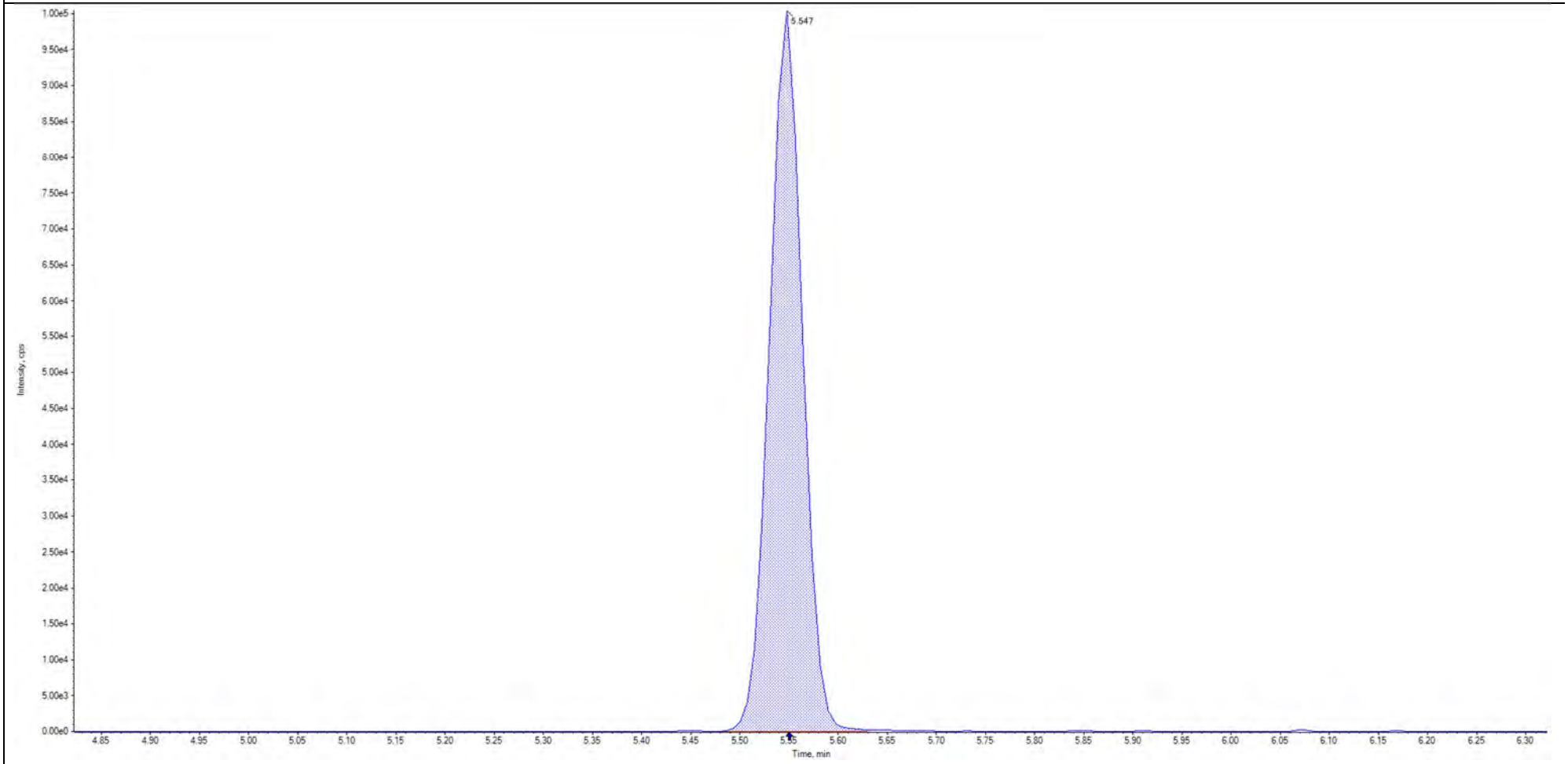
13C7-PFUnA
Sample: WG2035470-1,BSICS



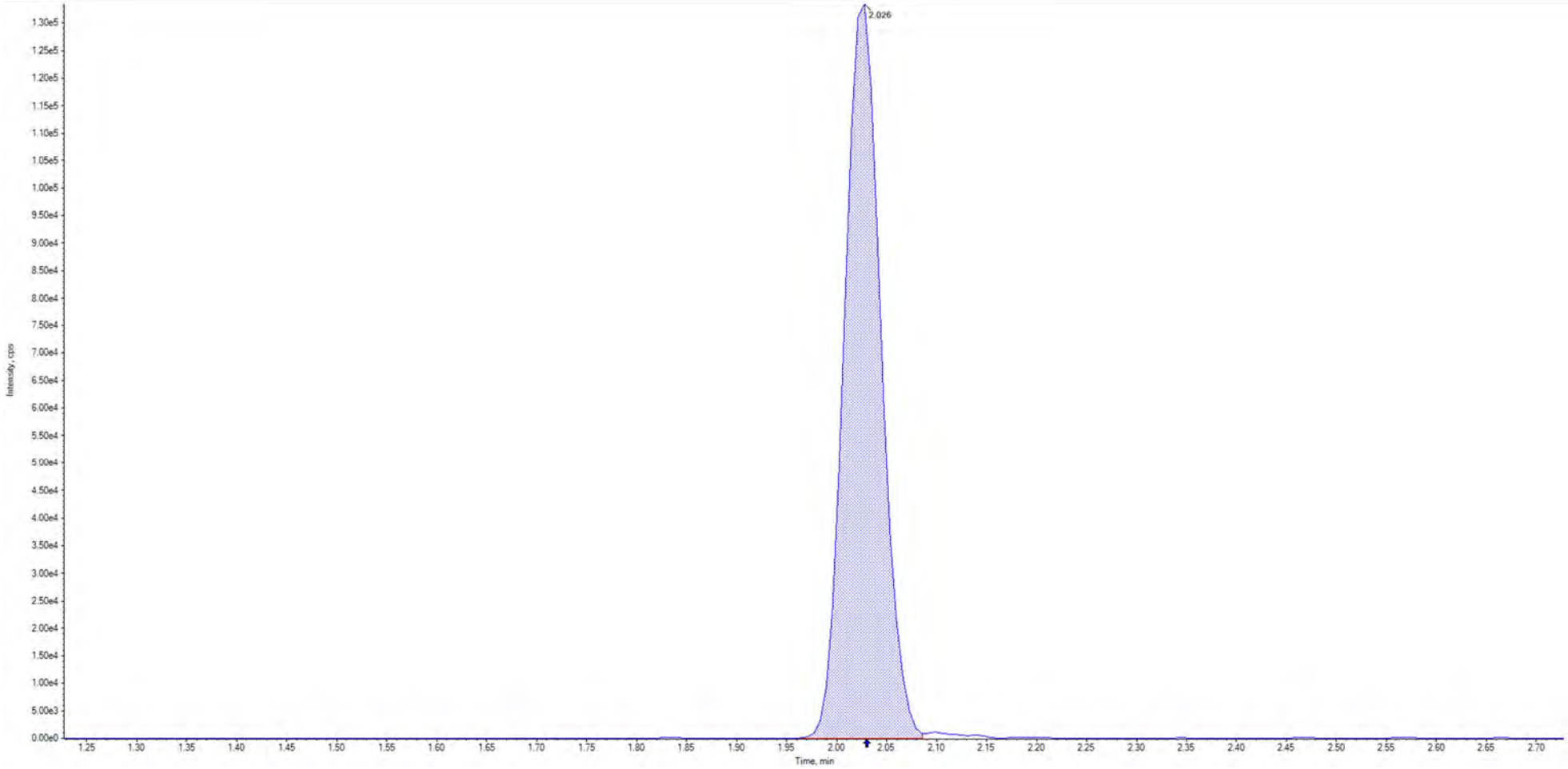
13C2-PFDoA
Sample: WG2035470-1,BSICS



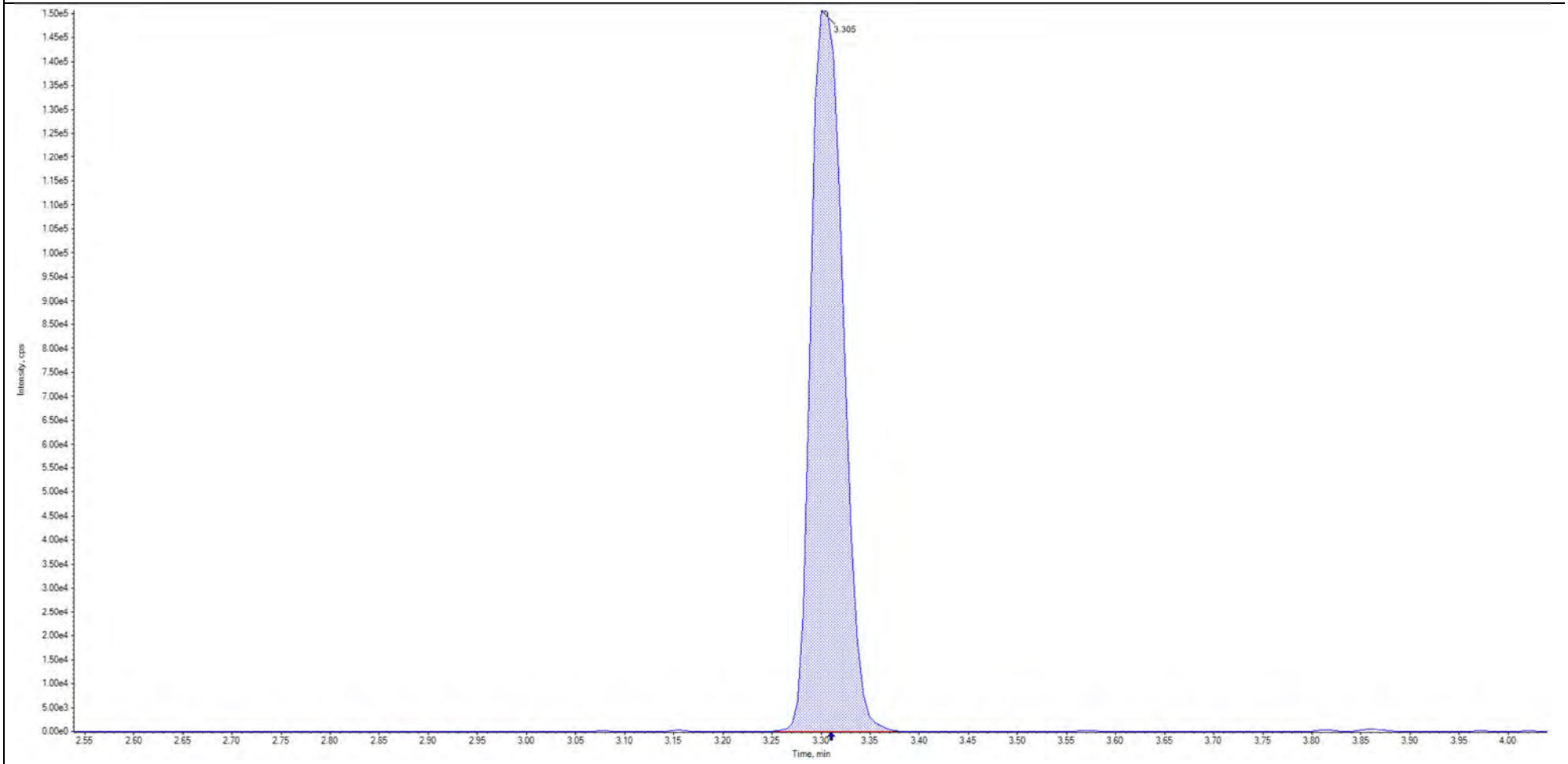
13C2-PFTeDA
Sample: WG2035470-1,BSICS



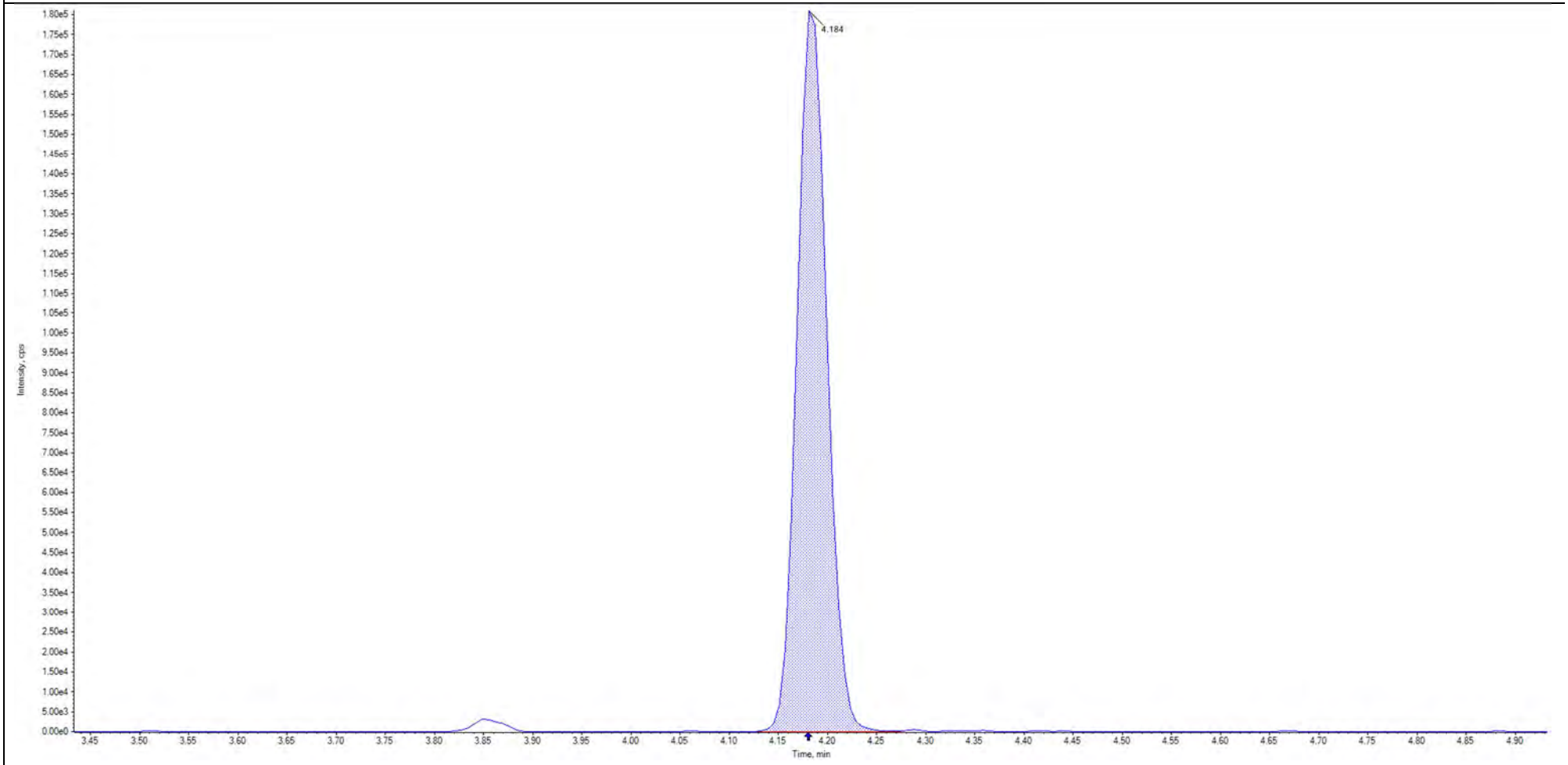
13C3-PFBS
Sample: WG2035470-1,BSICS



13C3-PFHxS
Sample: WG2035470-1,BSICS



13C8-PFOS
Sample: WG2035470-1,BSICS



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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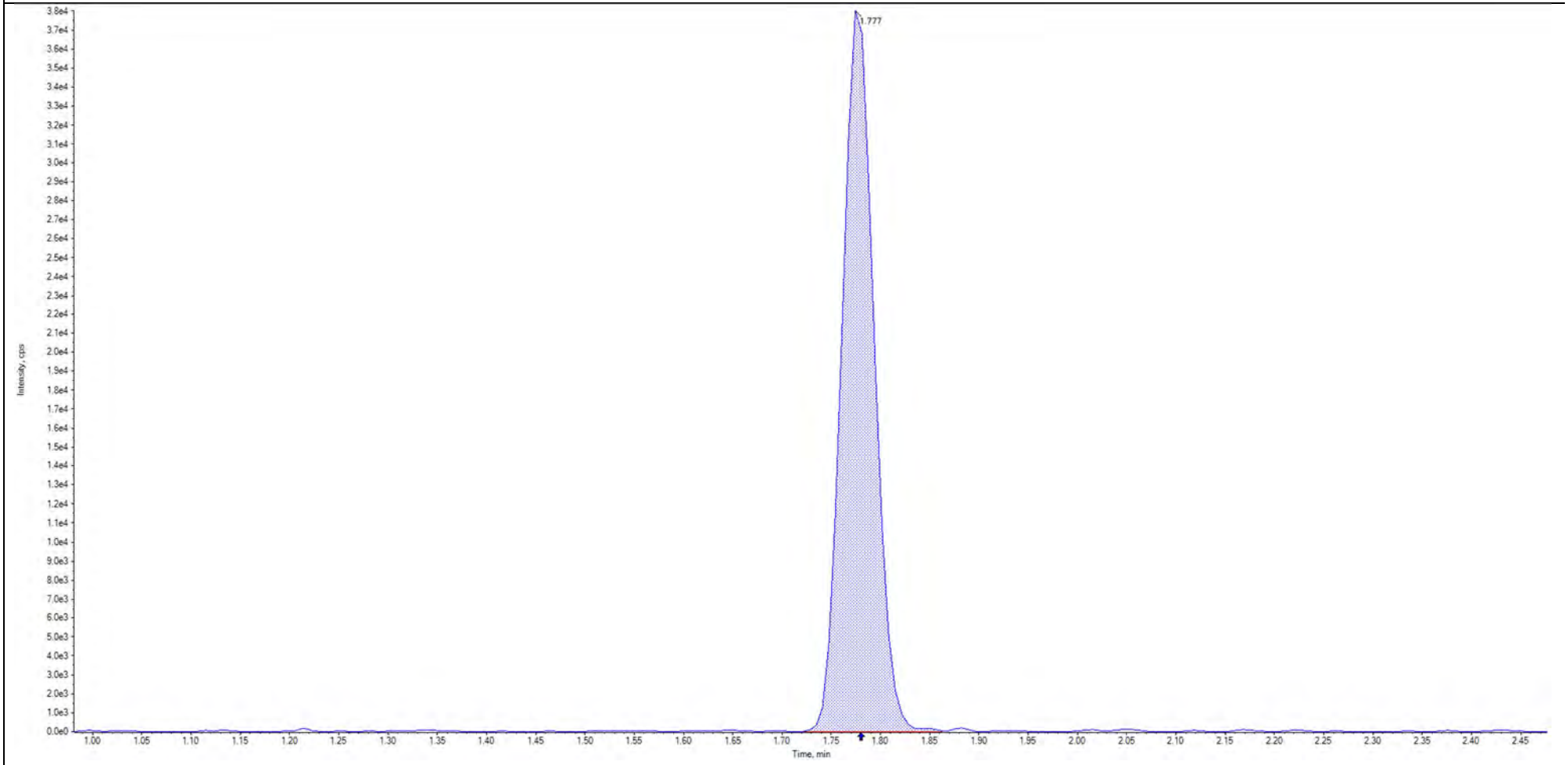
Generated: 3/1/2025 7:28:00 AM

13C2-4:2FTS
Sample: WG2035470-1,BSICS



13C2-6:2FTS
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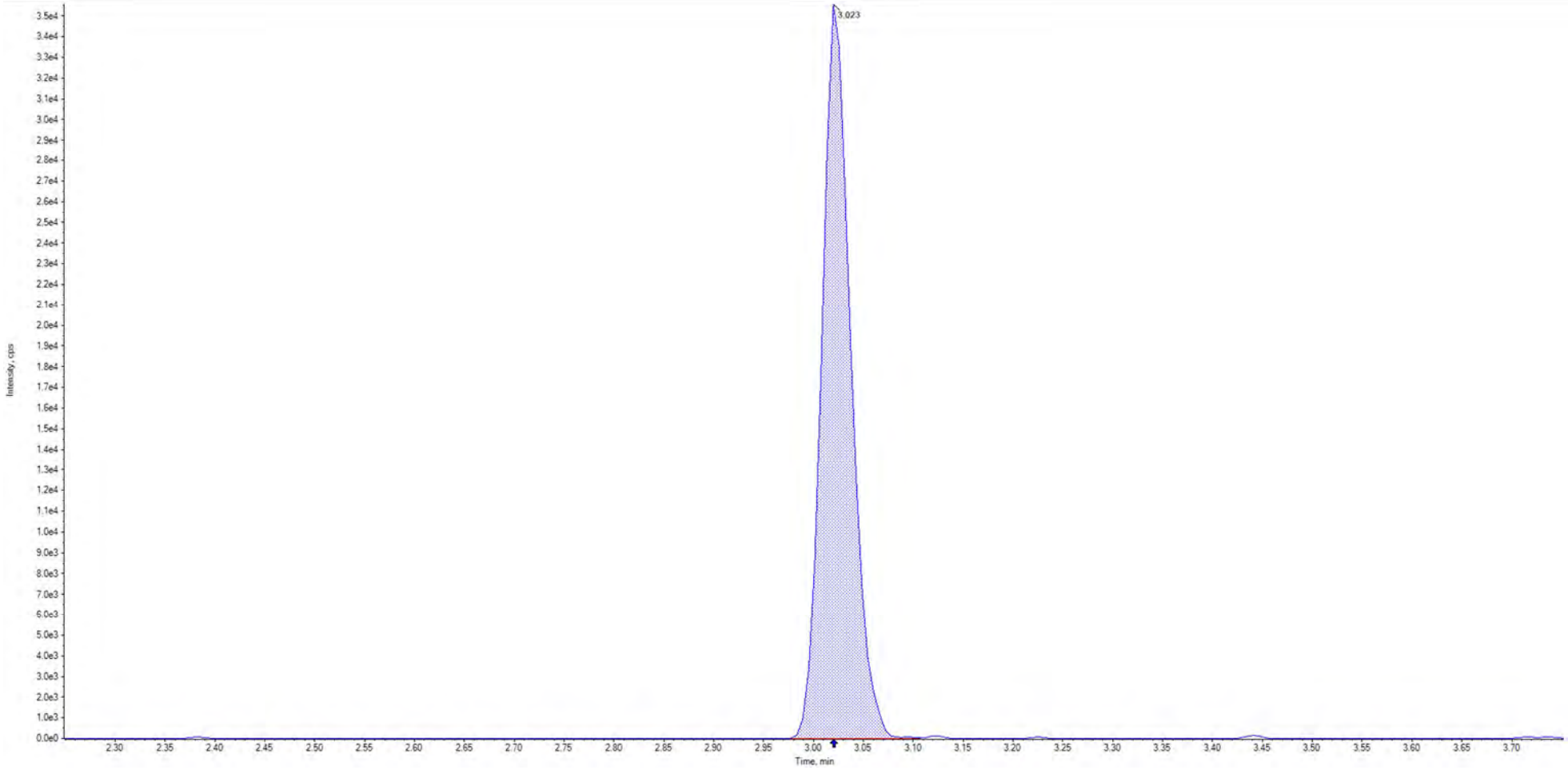
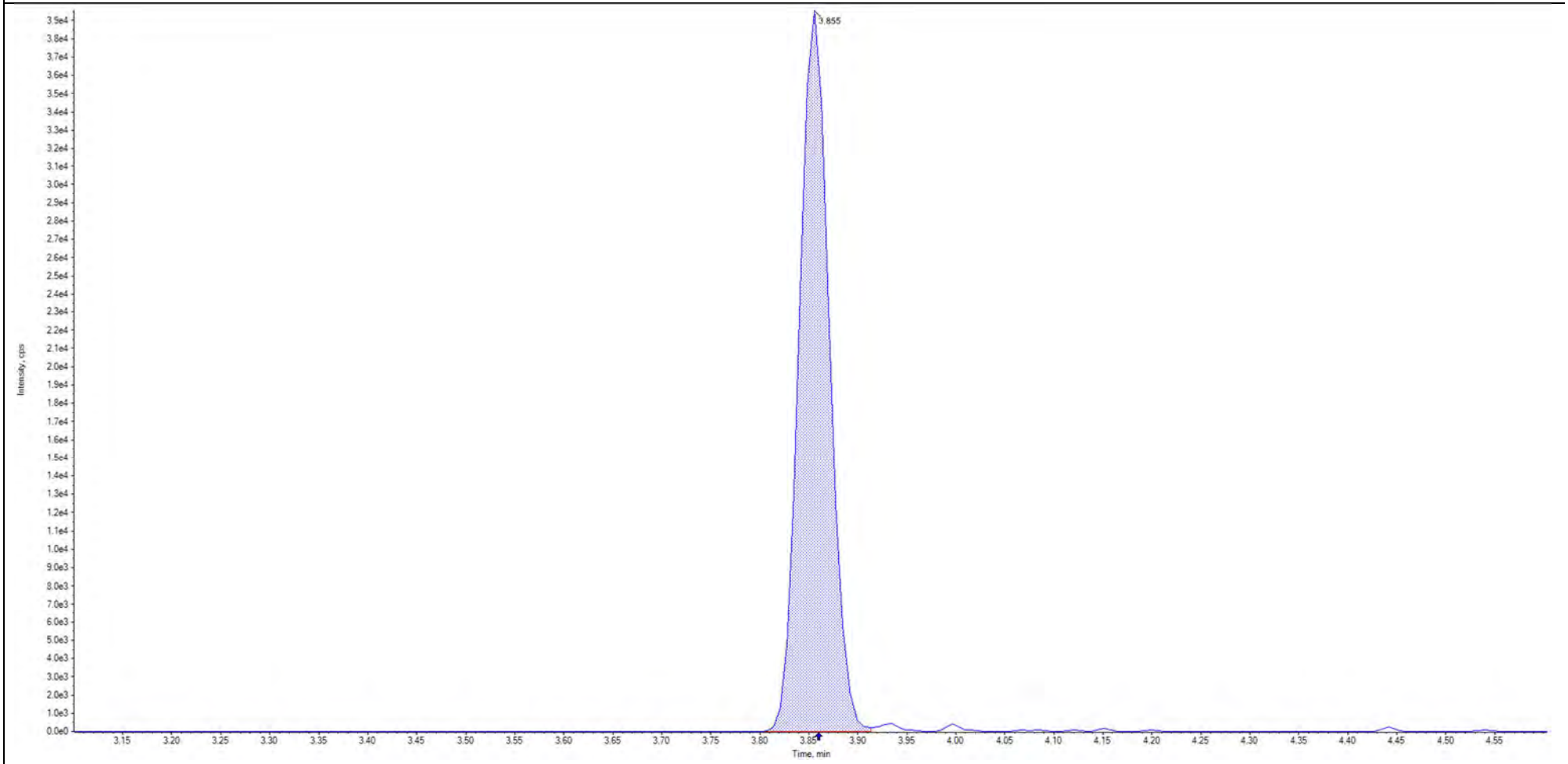


13C2-8:2FTS
Sample: WG2035470-1,BSICS



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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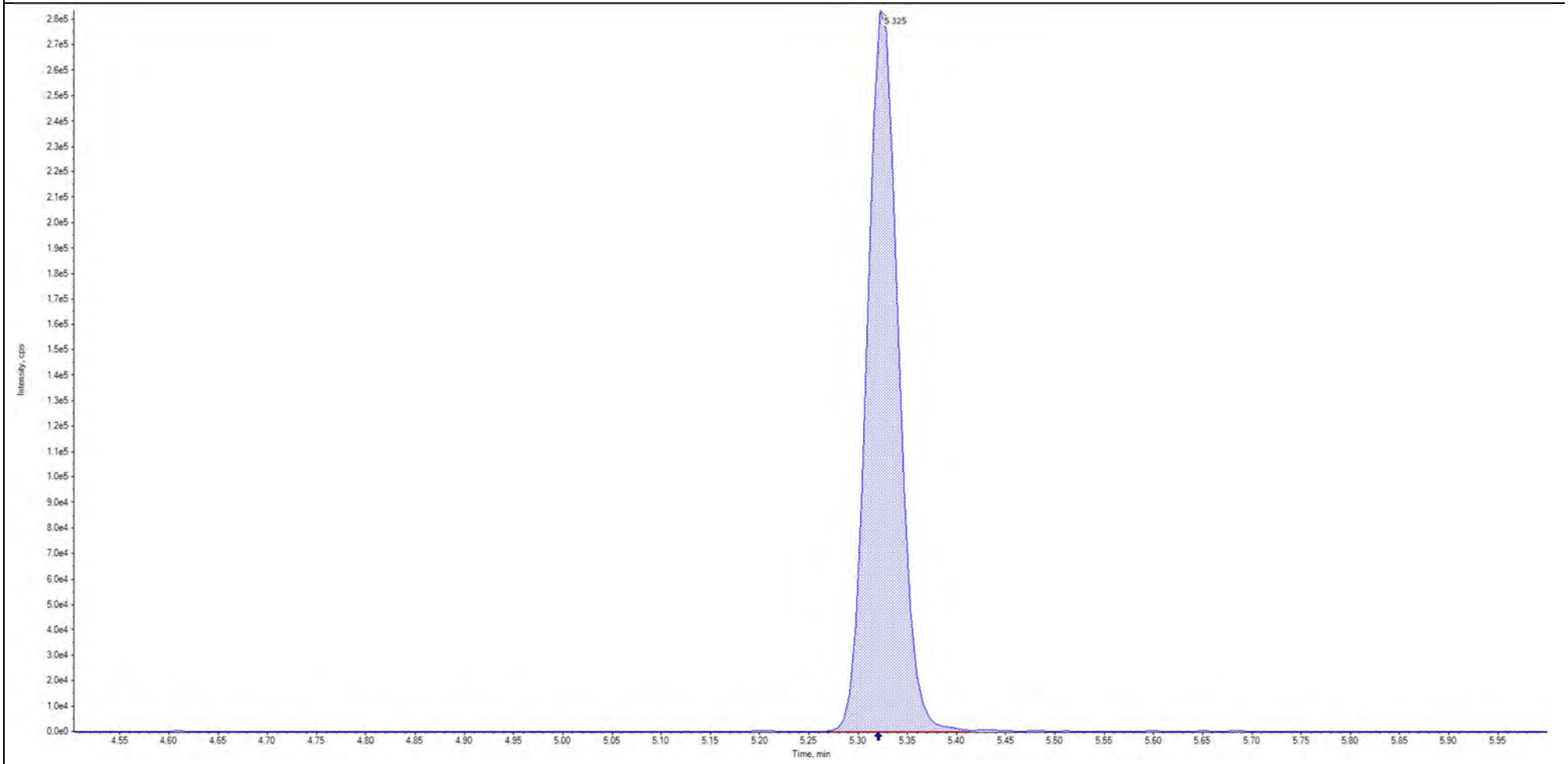
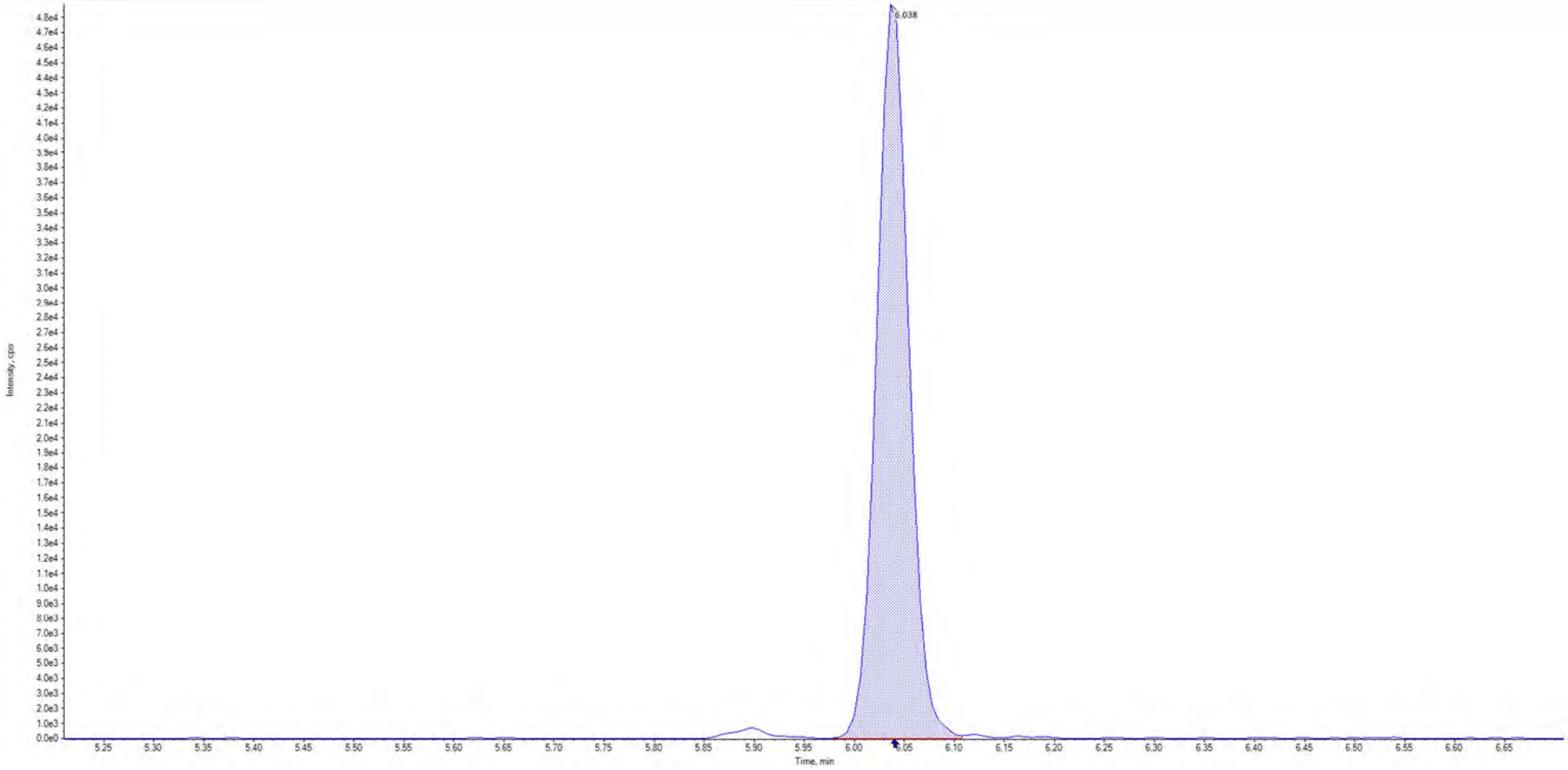
Last Altered: 3/1/2025 8:44:11 AM
Generated: 3/1/2025 7:28:00 AM

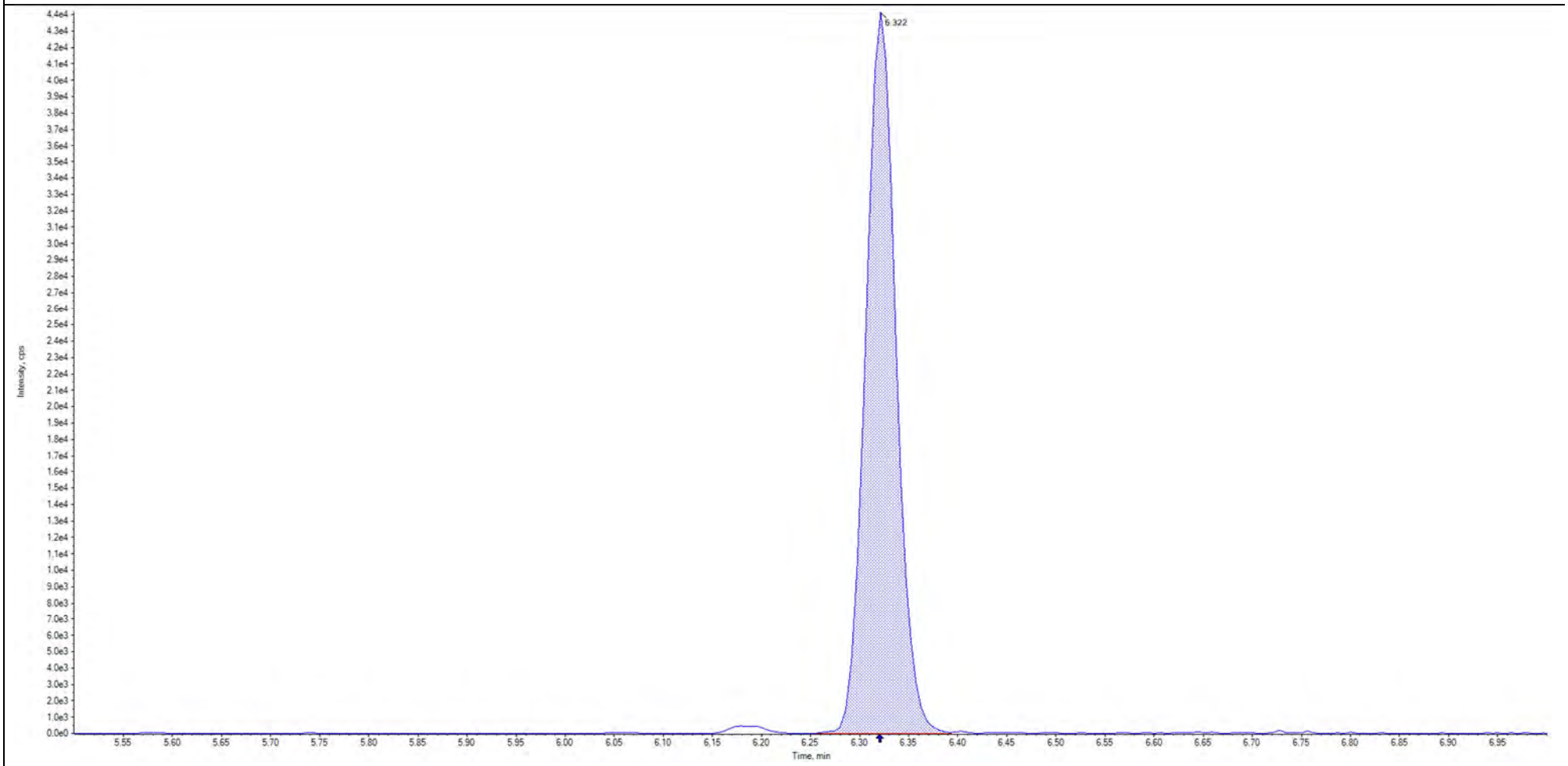
13C8-PFOSA
Sample: WG2035470-1,BSICS



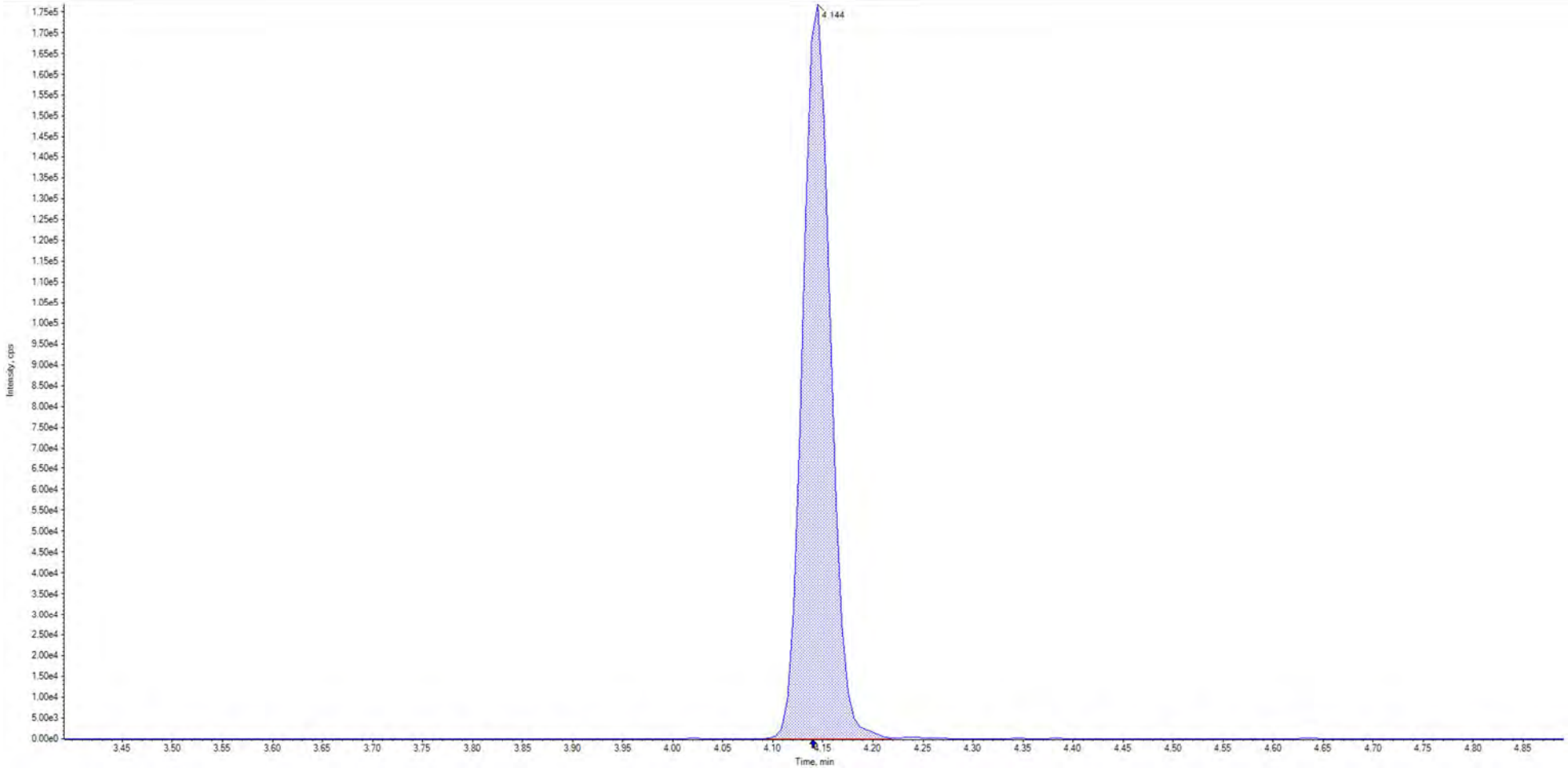
d3-NMeFOSA
Sample: WG2035470-1,BSICS



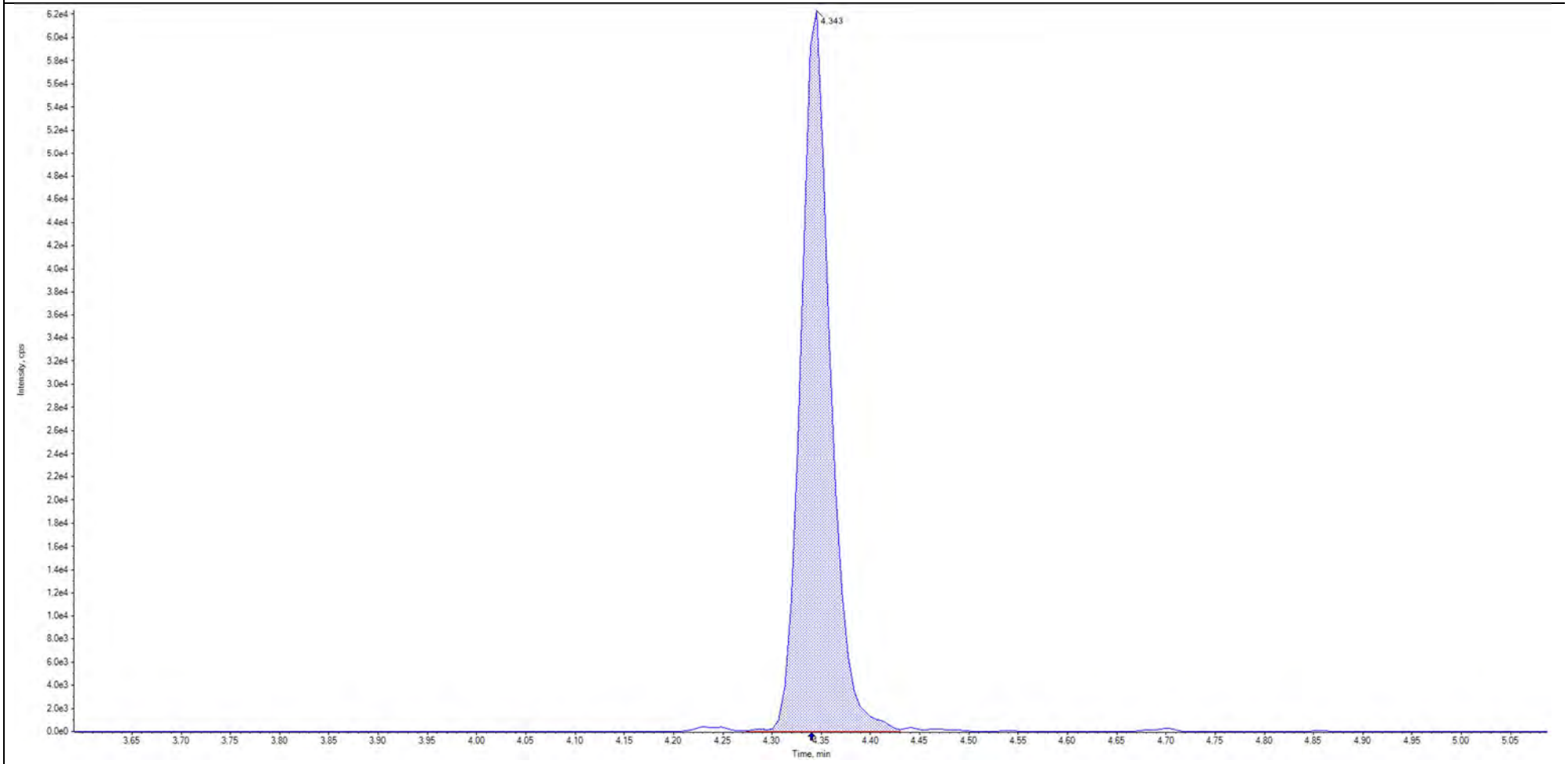
d5-NEtFOSA
Sample: WG2035470-1,BSICS



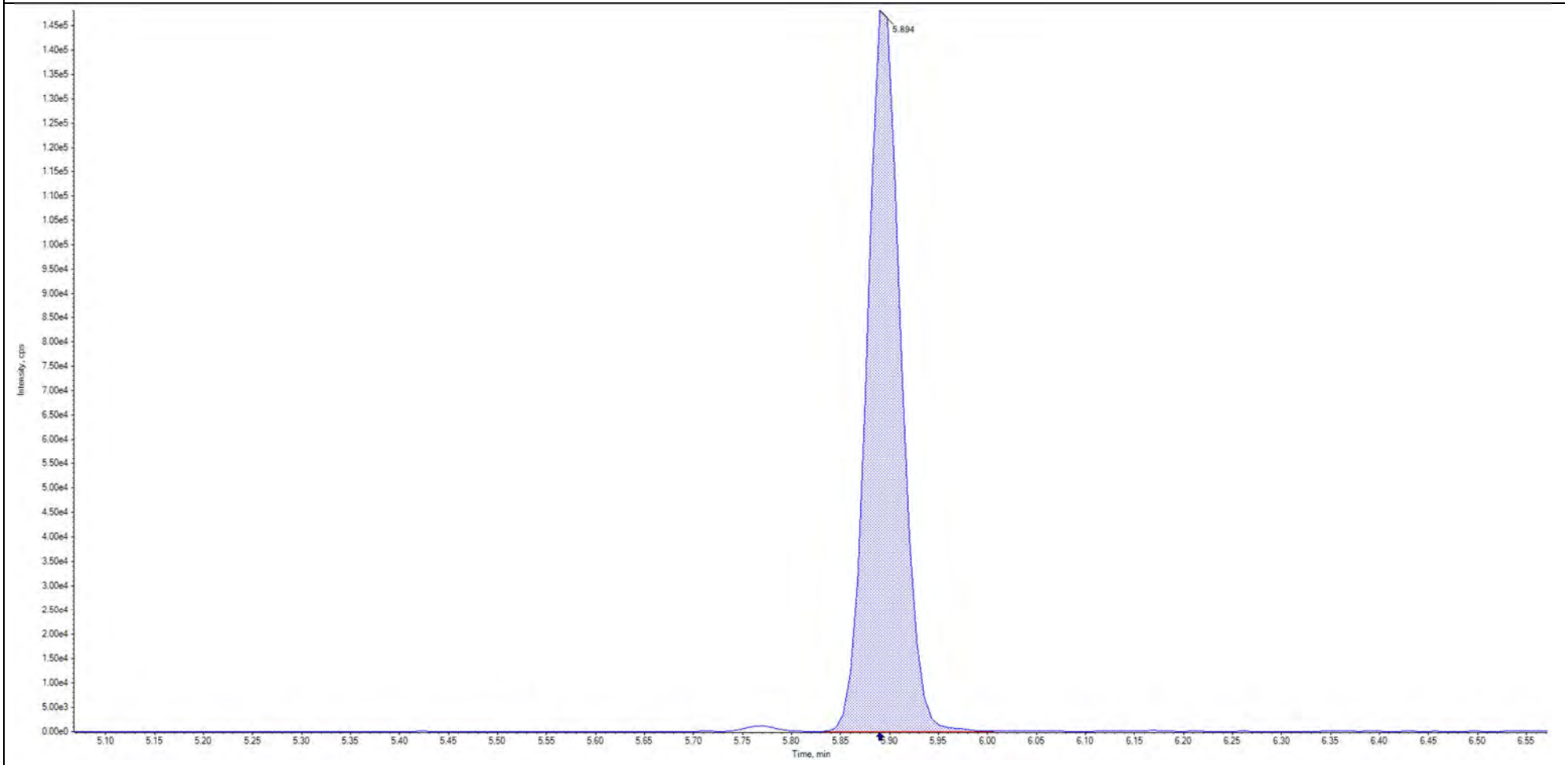
d3-NMeFOSAA
Sample: WG2035470-1,BSICS



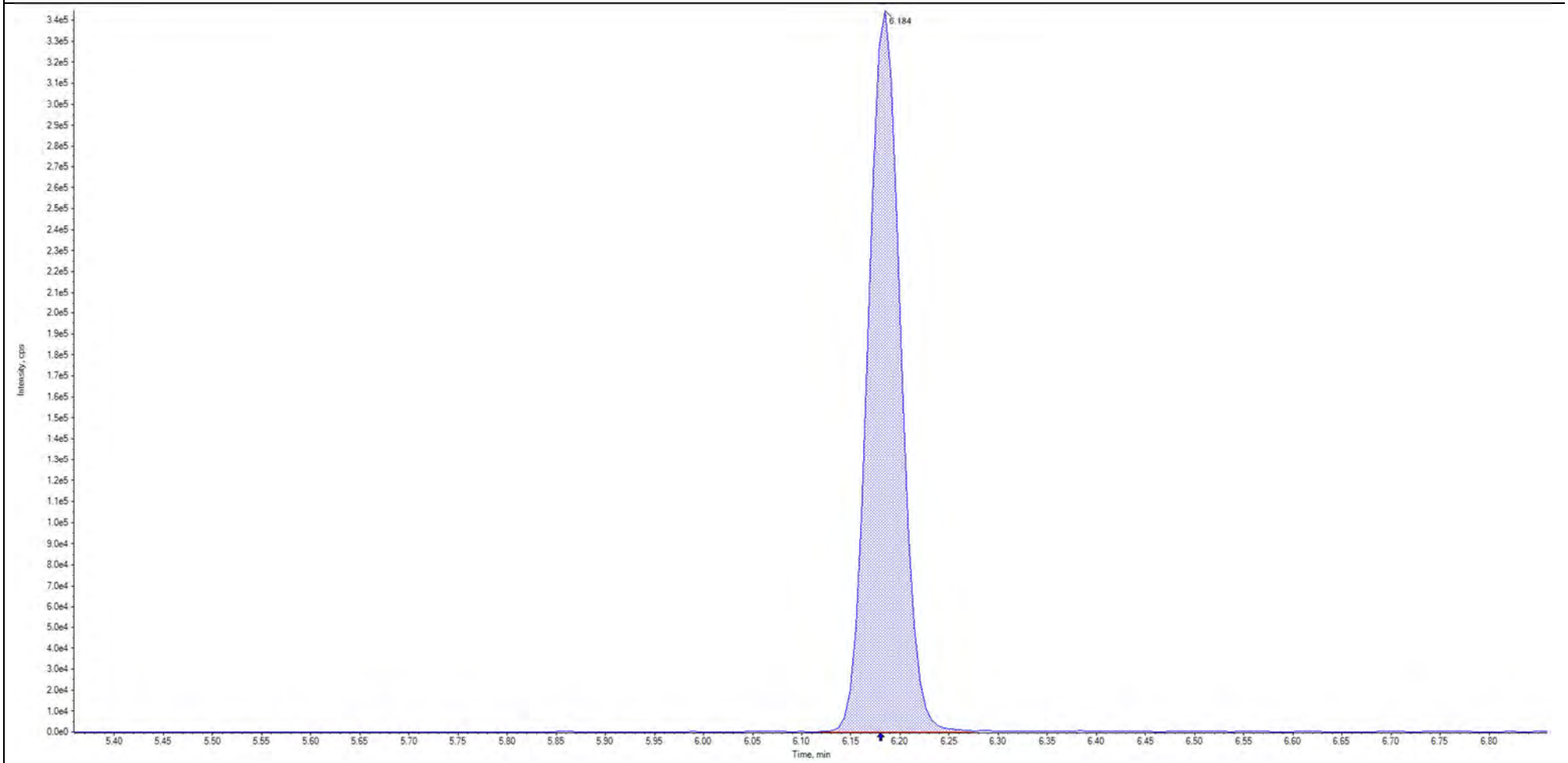
d5-NEtFOSAA
Sample: WG2035470-1,BSICS



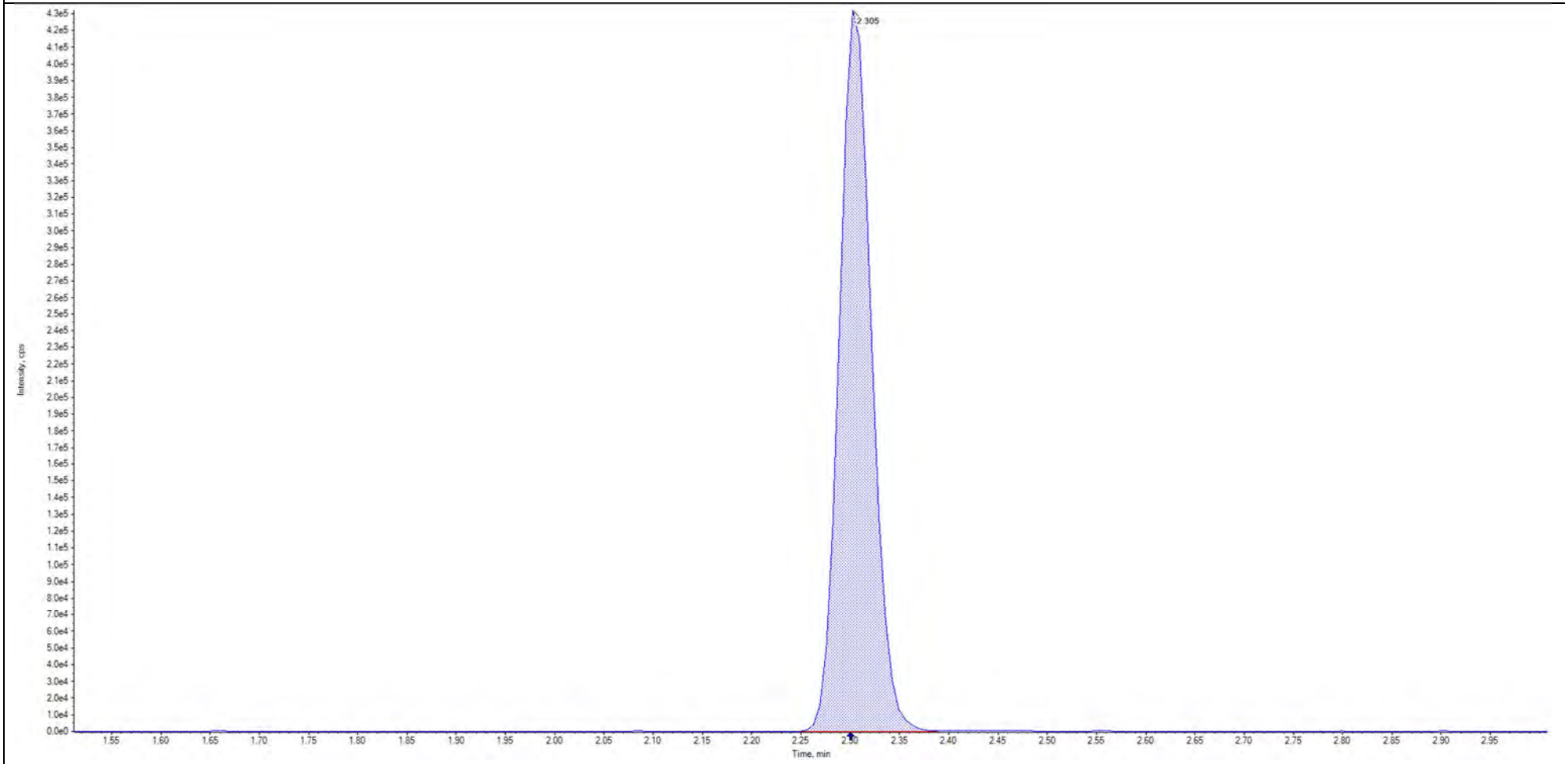
d7-NMeFOSE
Sample: WG2035470-1,BSICS



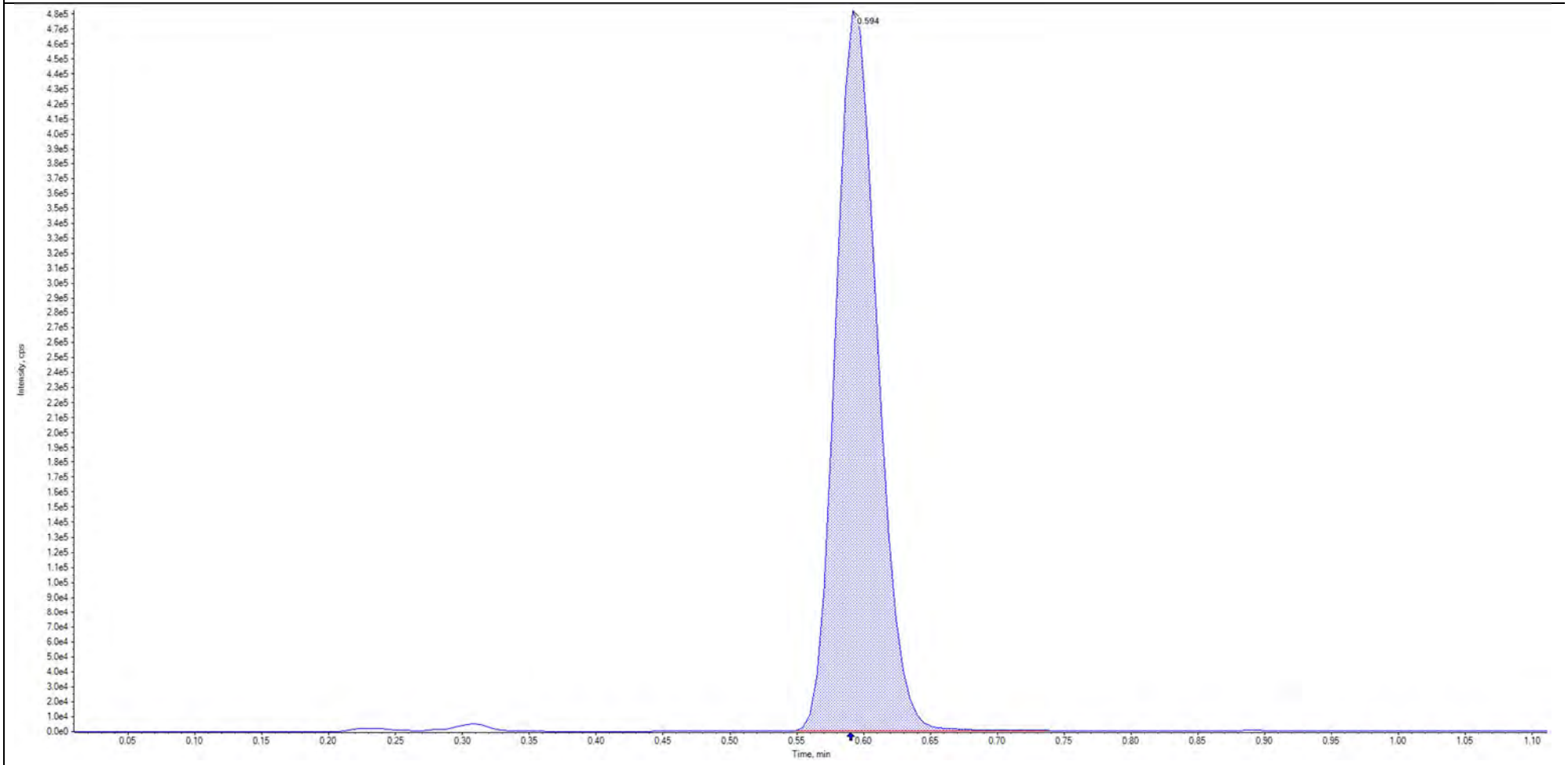
d9-NEtFOSE
Sample: WG2035470-1,BSICS



13C3-HFPO-DA
Sample: WG2035470-1,BSICS



13C3-PFBA
Sample: WG2035470-1,BSICS



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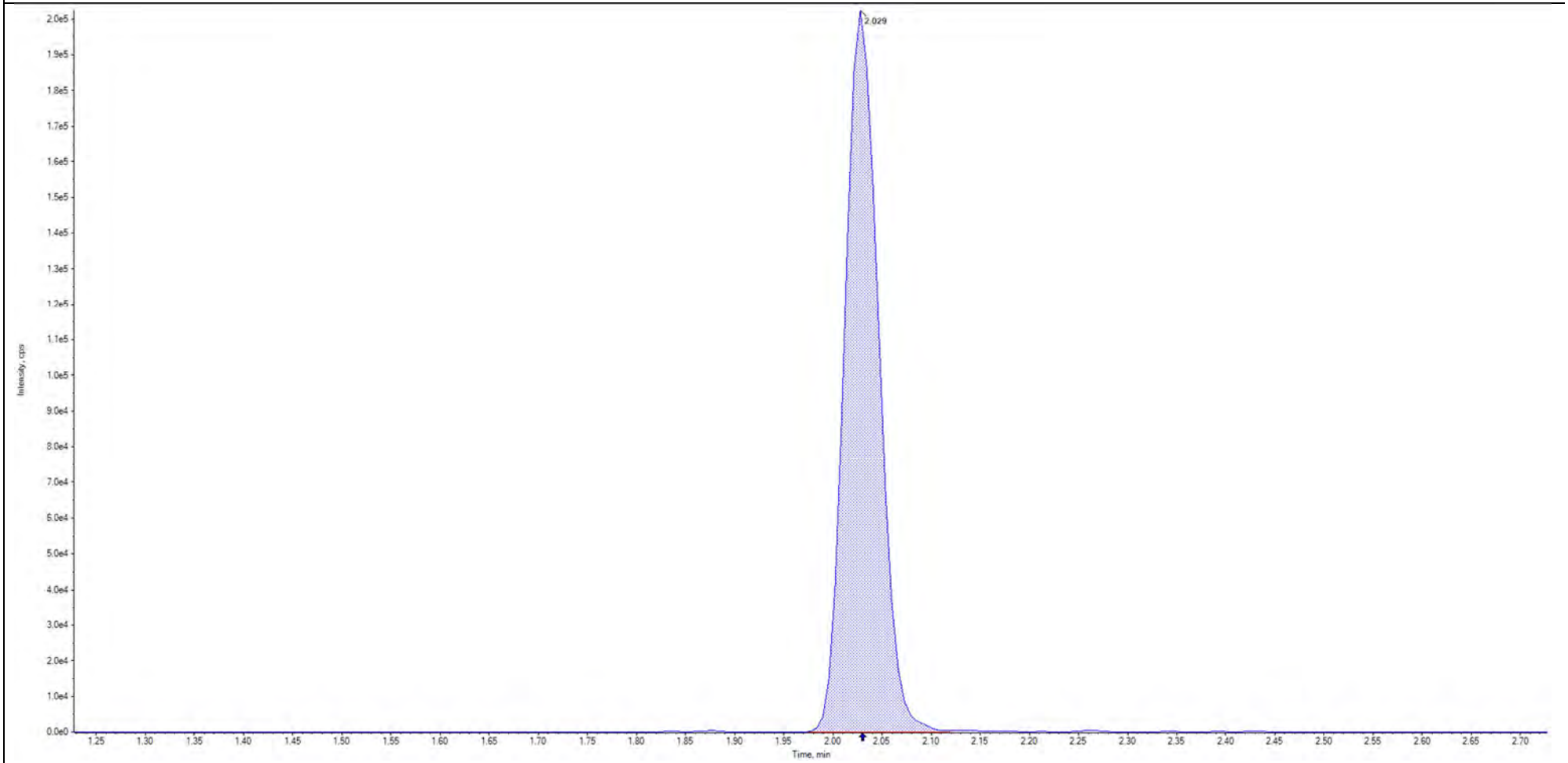
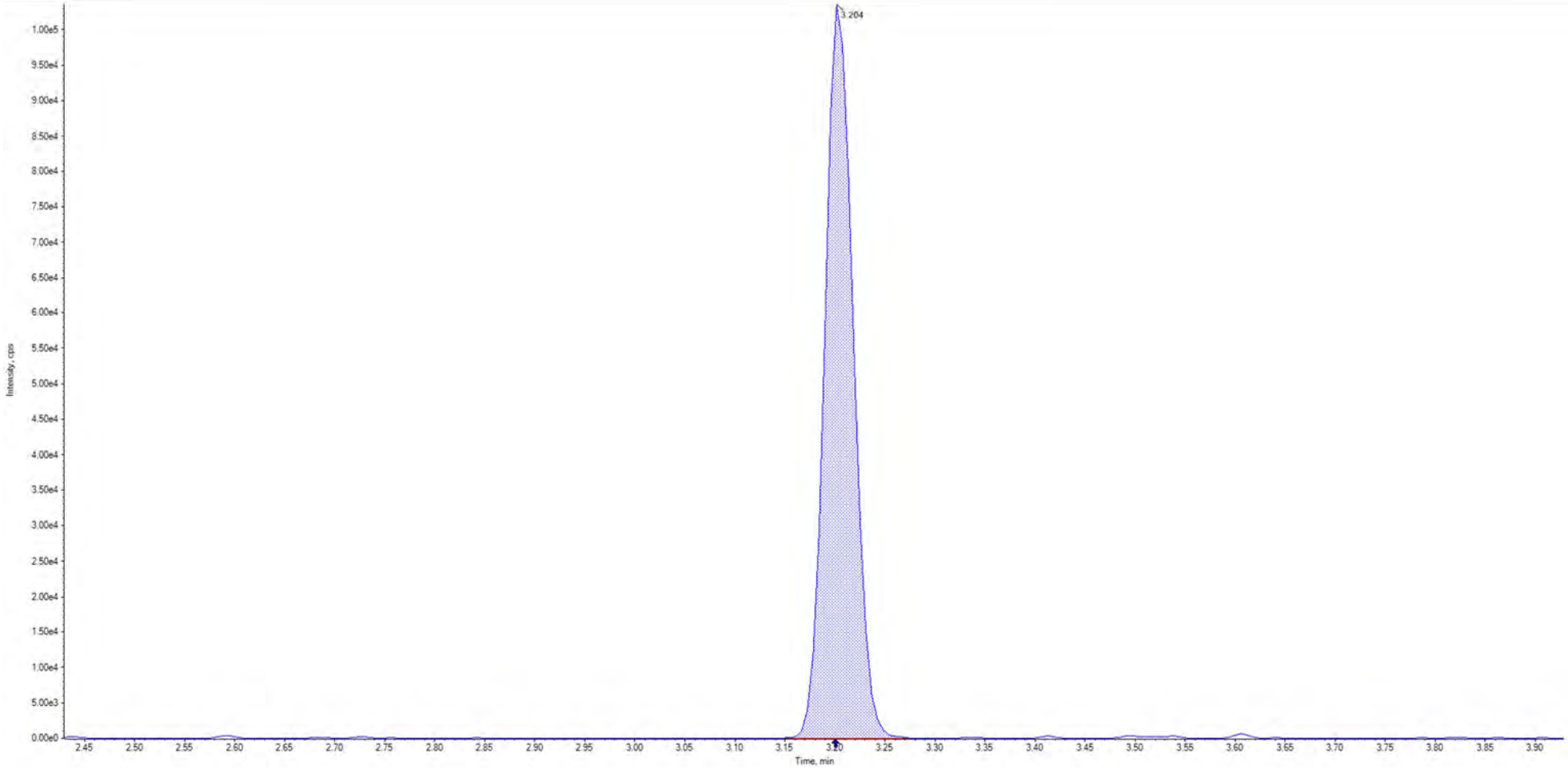
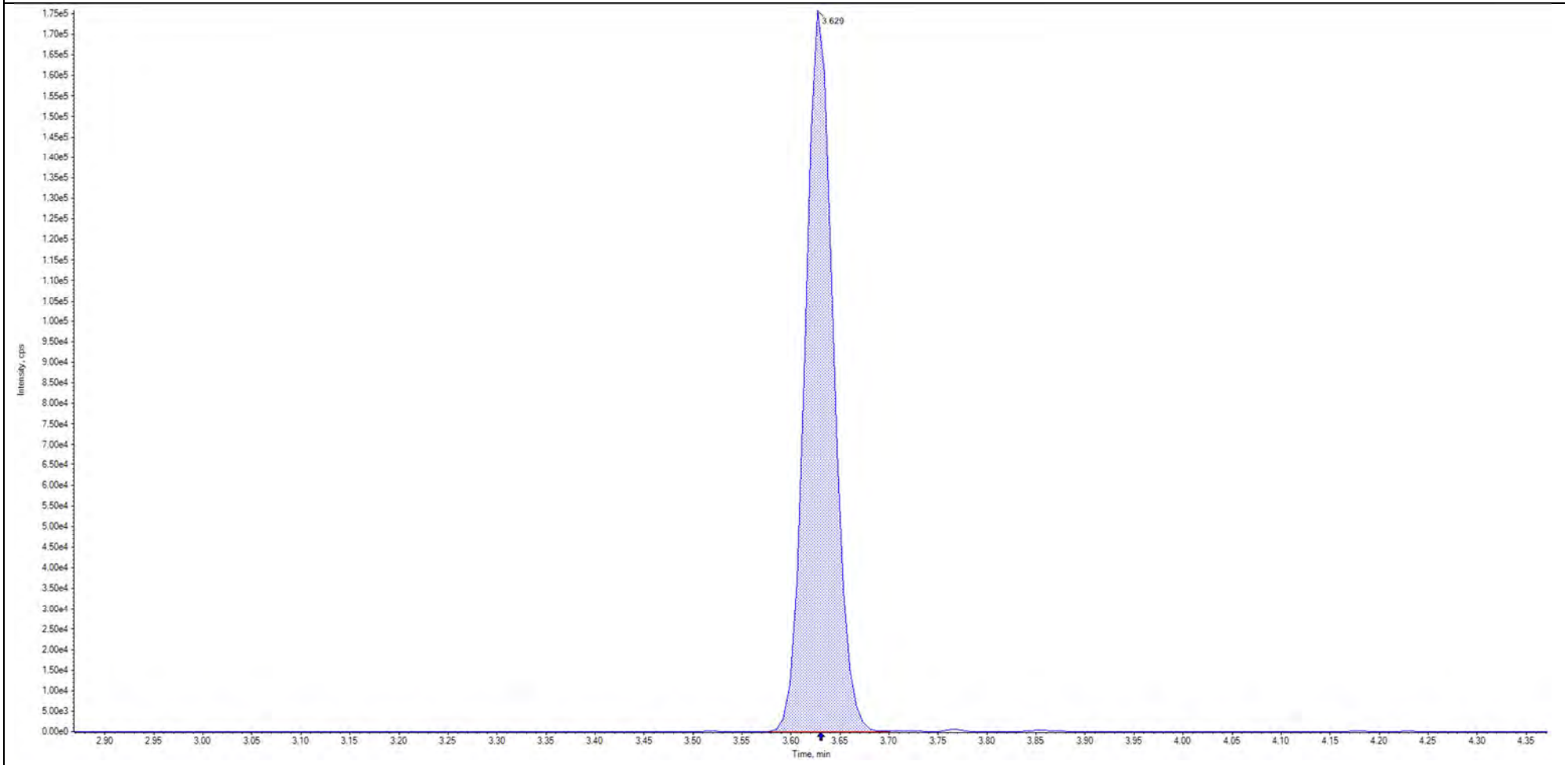
13C2-PFHxA
Sample: WG2035470-1,BSICS



13C4-PFOA
Sample: WG2035470-1,BSICS



13C5-PFNA
Sample: WG2035470-1,BSICS



13C2-PFDA
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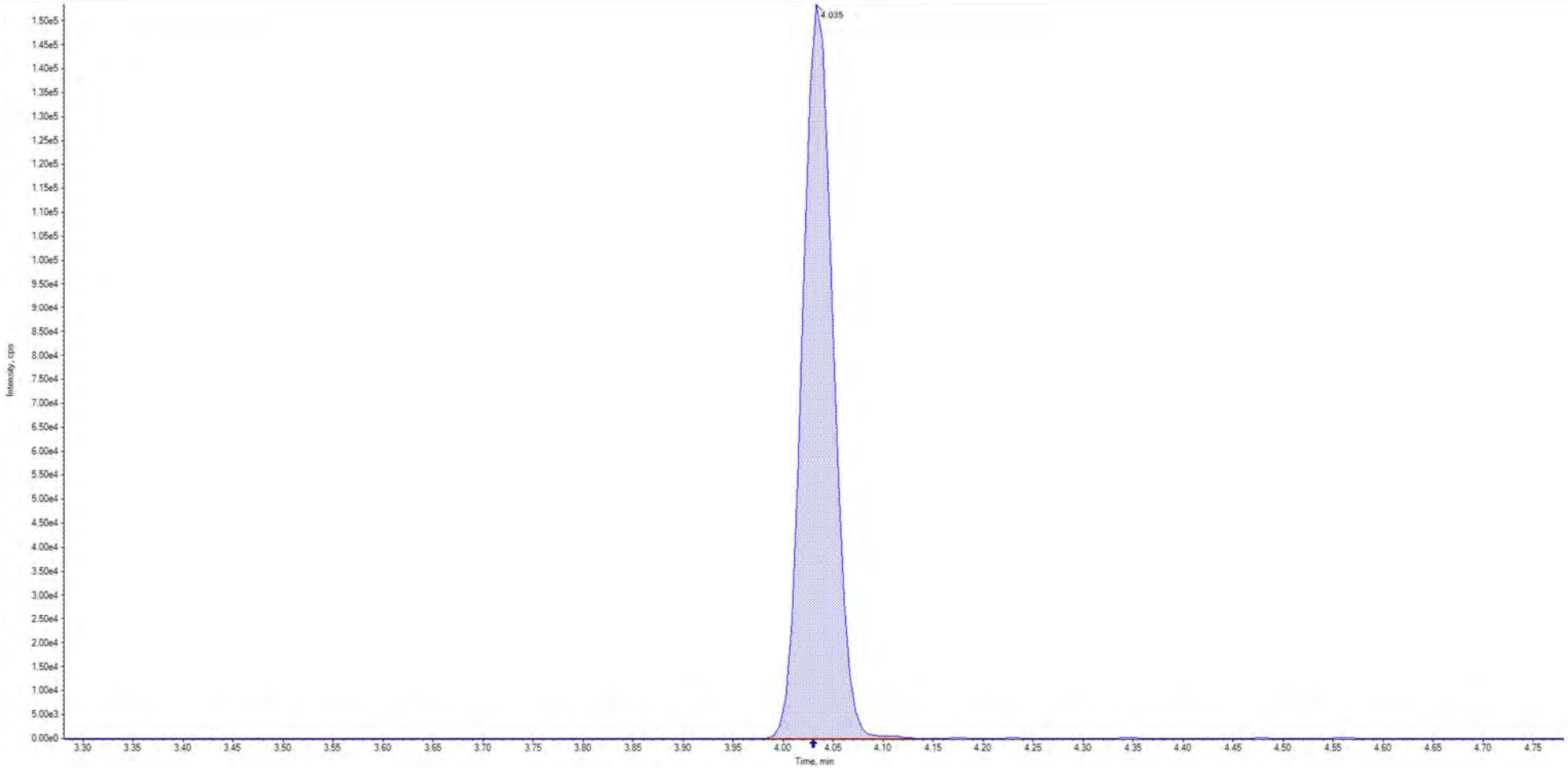
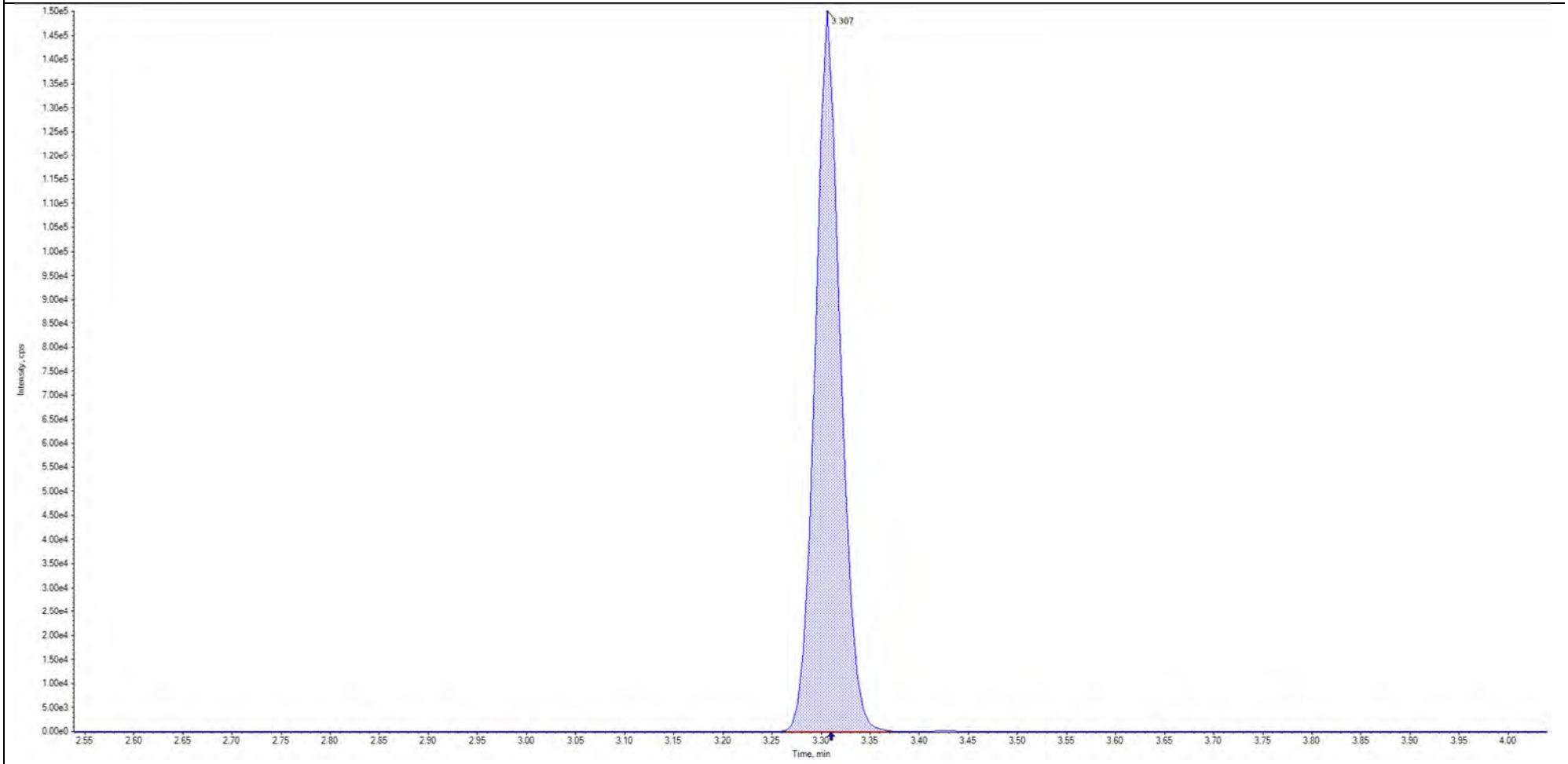


18O2-PFHxS
Sample: WG2035470-1,BSICS



13C4-PFOS
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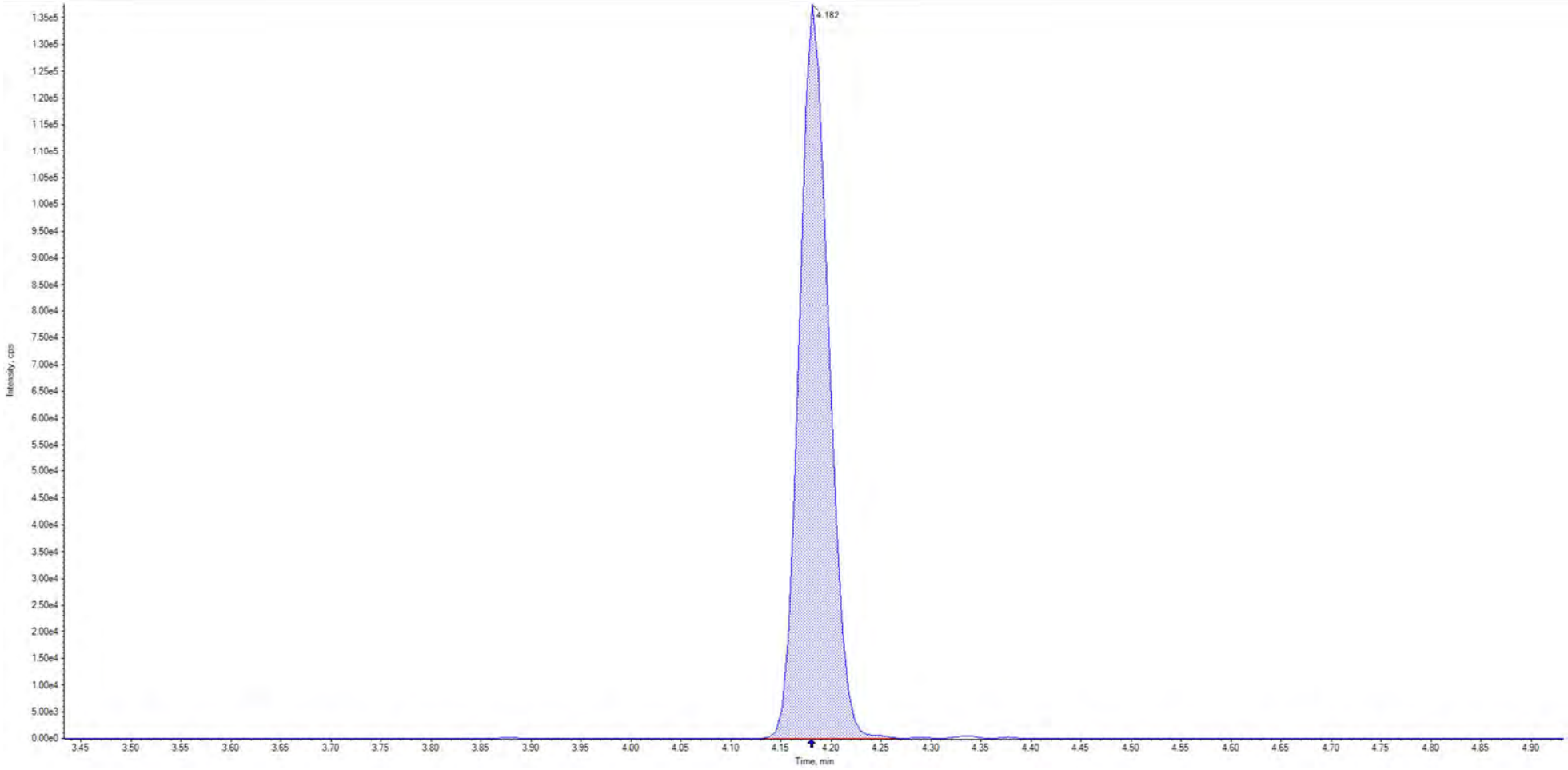

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Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_34.wiff2_1
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

Method: EPA1633F_250228A.qmethod
Calibration: 250228_EPA1633_ICAL

ID: WG2035470-2,INSTBLANK
Name: SCI07_250228_34.wiff2
Date & Time: 2025-02-28T13:42:36
Description: WG2035470
Instrument: SCIEX Triple Quad 5500+
User: LCMS07: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	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	0.067	N/A	N/A
5	PFHxA_2	307-24-4	N/A	313.0 / 119.0	N/A		N/A	N/A	0.067	N/A	N/A
6	PFHpA	375-85-9	N/A	363.1 / 319.0	N/A		N/A	N/A	0.345	N/A	N/A
7	PFHpA_2	375-85-9	N/A	363.1 / 169.0	N/A		N/A	N/A	0.345	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	0.365	N/A	N/A
9	PFOA_2	335-67-1	N/A	413.1 / 169.0	N/A		N/A	N/A	0.365	N/A	N/A
10	PFNA	375-95-1	N/A	462.8 / 418.9	N/A		N/A	N/A	0.352	N/A	N/A
11	PFNA_2	375-95-1	N/A	462.8 / 219.0	N/A		N/A	N/A	0.352	N/A	N/A
12	PFDA	335-76-2	N/A	513.1 / 469.1	N/A		N/A	N/A	0.185	N/A	N/A
13	PFDA_2	335-76-2	N/A	513.1 / 219.0	N/A		N/A	N/A	0.185	N/A	N/A
14	PFUnA	2058-94-8	N/A	563.1 / 519.1	N/A		N/A	N/A	0.166	N/A	N/A
15	PFUnA_2	2058-94-8	N/A	563.1 / 269.0	N/A		N/A	N/A	0.166	N/A	N/A
16	PFDoA	307-55-1	N/A	613.1 / 569.1	N/A		N/A	N/A	0.150	N/A	N/A
17	PFDoA_2	307-55-1	N/A	613.1 / 319.0	N/A		N/A	N/A	0.150	N/A	N/A
18	PFTrDA	72629-94-8	N/A	663.1 / 619.1	N/A		N/A	N/A	0.134	N/A	N/A
19	PFTrDA_2	72629-94-8	N/A	663.1 / 169.0	N/A		N/A	N/A	0.134	N/A	N/A
20	PFTeDA	376-06-7	5.56	713.1 / 669.1	7169		0.033	0.114	0.150	Pass	N/A
21	PFTeDA_2	376-06-7	5.55	713.1 / 169.0	814	M2	0.024	0.114	0.150	Pass	N/A
22	PFBS	375-73-5	N/A	299.1 / 80.1	N/A		N/A	N/A	0.341	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	0.341	N/A	N/A
24	PFPeS	2706-91-4	N/A	349.1 / 80.1	N/A		N/A	N/A	0.296	N/A	N/A
25	PFPeS_2	2706-91-4	N/A	349.1 / 99.1	N/A		N/A	N/A	0.296	N/A	N/A
26	PFHxS	355-46-4	N/A	399.1 / 80.1	N/A		N/A	N/A	0.298	N/A	N/A
27	PFHxS_2	355-46-4	N/A	399.1 / 99.1	N/A		N/A	N/A	0.298	N/A	N/A
28	PFHpS	375-92-8	N/A	449.1 / 80.1	N/A		N/A	N/A	0.277	N/A	N/A
29	PFHpS_2	375-92-8	N/A	449.1 / 99.1	N/A		N/A	N/A	0.277	N/A	N/A
30	PFOS	1763-23-1	N/A	499.1 / 80.1	N/A		N/A	N/A	0.236	N/A	N/A
31	PFOS_2	1763-23-1	N/A	499.1 / 99.1	N/A		N/A	N/A	0.236	N/A	N/A
32	PFNS	68259-12-1	N/A	549.1 / 80.1	N/A		N/A	N/A	0.265	N/A	N/A
33	PFNS_2	68259-12-1	N/A	549.1 / 99.1	N/A		N/A	N/A	0.265	N/A	N/A
34	PFDS	335-77-3	N/A	599.1 / 80.1	N/A		N/A	N/A	0.275	N/A	N/A
35	PFDS_2	335-77-3	N/A	599.1 / 99.1	N/A		N/A	N/A	0.275	N/A	N/A
36	PFDoS	79780-39-5	N/A	699.2 / 80.1	N/A		N/A	N/A	0.245	N/A	N/A
37	PFDoS_2	79780-39-5	N/A	699.2 / 99.1	N/A		N/A	N/A	0.245	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	0.542	N/A	N/A
39	4:2FTS_2	757124-72-4	N/A	327.1 / 81.1	N/A		N/A	N/A	0.542	N/A	N/A
40	6:2FTS	27619-97-2	N/A	427.2 / 407.2	N/A		N/A	N/A	0.555	N/A	N/A
41	6:2FTS_2	27619-97-2	N/A	427.2 / 81.1	N/A		N/A	N/A	0.555	N/A	N/A
42	8:2FTS	39108-34-4	N/A	527.2 / 507.2	N/A		N/A	N/A	0.824	N/A	N/A
43	8:2FTS_2	39108-34-4	N/A	527.2 / 81.1	N/A		N/A	N/A	0.824	N/A	N/A
44	PFOSA	754-91-6	N/A	498.1 / 78.1	N/A		N/A	N/A	0.029	N/A	N/A
45	PFOSA_2	754-91-6	N/A	498.1 / 478.0	N/A		N/A	N/A	0.029	N/A	N/A
46	NMeFOSA	31506-32-8	N/A	512.2 / 219.0	N/A		N/A	N/A	1.426	N/A	N/A
47	NMeFOSA_2	31506-32-8	N/A	512.2 / 169.0	N/A		N/A	N/A	1.426	N/A	N/A
48	NEtFOSA	4151-50-2	N/A	526.2 / 219.0	N/A		N/A	N/A	1.166	N/A	N/A
49	NEtFOSA_2	4151-50-2	N/A	526.2 / 169.0	N/A		N/A	N/A	1.166	N/A	N/A
50	NMeFOSAA	2355-31-9	N/A	570.2 / 419.1	N/A		N/A	N/A	0.729	N/A	N/A
51	NMeFOSAA_2	2355-31-9	N/A	570.2 / 483.0	N/A		N/A	N/A	0.729	N/A	N/A
52	NEtFOSAA	2991-50-6	N/A	584.2 / 419.1	N/A		N/A	N/A	0.453	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	0.453	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	6.22	630.0 / 58.9	11009	M5	0.120	N/A	N/A	N/A	N/A
56	HFPO-DA	13252-13-6	2.32	285.0 / 169.0	3115	M4	0.034	0.788	0.892	Pass	N/A
57	HFPO-DA_2	13252-13-6	2.31	285.0 / 184.9	2454		0.030	0.788	0.892	Pass	N/A
58	ADONA	919005-14-4	N/A	376.9 / 251.0	N/A		N/A	N/A	0.444	N/A	N/A
59	ADONA_2	919005-14-4	N/A	376.9 / 84.8	N/A		N/A	N/A	0.444	N/A	N/A
60	9Cl-PF3ONS	756426-58-1	N/A	530.8 / 351.1	N/A		N/A	N/A	0.359	N/A	N/A
61	9Cl-PF3ONS_2	756426-58-1	N/A	532.8 / 353.0	N/A		N/A	N/A	0.359	N/A	N/A
62	11Cl-PF3OUdS	763051-92-9	5.24	630.9 / 451.0	11432		0.038	0.181	0.348	Pass	N/A
63	11Cl-PF3OUdS_2	763051-92-9	5.24	632.9 / 452.9	2066	M2	0.020	0.181	0.348	Pass	N/A
64	3:3FTCA	356-02-5	N/A	241.1 / 177.1	N/A		N/A	N/A	0.698	N/A	N/A
65	3:3FTCA_2	356-02-5	N/A	241.1 / 117.0	N/A		N/A	N/A	0.698	N/A	N/A
66	5:3FTCA	914637-49-3	N/A	341.1 / 237.1	N/A		N/A	N/A	0.979	N/A	N/A
67	5:3FTCA_2	914637-49-3	N/A	341.1 / 217.0	N/A		N/A	N/A	0.979	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	4.16	441.1 / 316.9	13314		0.520	1.989	2.144	Pass	N/A
69	7:3FTCA_2	812-70-4	4.16	441.1 / 337.1	26477		0.508	1.989	2.144	Pass	N/A
70	PFEESA	113507-82-7	N/A	315.1 / 135.0	N/A		N/A	N/A	0.077	N/A	N/A
71	PFEESA_2	113507-82-7	N/A	315.1 / 82.9	N/A		N/A	N/A	0.077	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	1.95	295.0 / 201.0	2970		0.027	0.633	0.632	Pass	N/A
75	NFDHA_2	151772-58-6	1.95	295.0 / 84.9	1881	M2	0.026	0.633	0.632	Pass	N/A
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	4.812	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	4.812	N/A	N/A
78	13C2D4-4:2FTS	Surr	1.78	333.2 / 312.1	143019		4.577	N/A	N/A	N/A	N/A
79	13C2-PFOA	Surr	3.21	415.0 / 370.0	220505		2.392	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	0.60	217.0 / 172.0	2370464		9.783	NA	NA	NA	97.8

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Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C5-PFPeA	EIS	1.19	268.0 / 223.0	702118		5.043	NA	NA	NA	100.9
13C5-PFHxA	EIS	2.04	318.0 / 273.0	305617		2.371	NA	NA	NA	94.8
13C4-PFHpA	EIS	2.72	367.0 / 322.0	688464		2.945	NA	NA	NA	117.8
13C8-PFOA	EIS	3.21	420.8 / 376.0	742860		2.661	NA	NA	NA	106.5
13C9-PFNA	EIS	3.64	472.0 / 427.0	378204		1.297	NA	NA	NA	103.7
13C6-PFDA	EIS	4.04	519.0 / 474.0	383606		1.252	NA	NA	NA	100.1
13C7-PFUnA	EIS	4.43	570.0 / 525.0	414812		1.314	NA	NA	NA	105.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.82	615.1 / 570.0	398750		1.365	NA	NA	NA	109.2
	13C2-PFTeDA	EIS	5.55	715.1 / 670.1	242494		1.252	NA	NA	NA	100.2
	13C3-PFBS	EIS	2.04	302.1 / 80.1	336787		2.024	NA	NA	NA	86.8
	13C3-PFHxS	EIS	3.31	402.1 / 80.1	308642		2.171	NA	NA	NA	91.6
	13C8-PFOS	EIS	4.19	507.1 / 80.1	363248		2.242	NA	NA	NA	93.4
	13C2-4:2FTS	EIS	1.79	329.1 / 81.1	92308		4.353	NA	NA	NA	92.8
	13C2-6:2FTS	EIS	3.03	429.2 / 81.1	68325		3.950	NA	NA	NA	83.0
	13C2-8:2FTS	EIS	3.86	529.2 / 81.1	79069		3.881	NA	NA	NA	80.8

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C8-PFOSA	EIS	5.33	506.1 / 78.1	672602		2.526	NA	NA	NA	101.1
d3-NMeFOSA	EIS	6.05	515.2 / 219.0	106279		2.221	NA	NA	NA	88.8
d5-NEtFOSA	EIS	6.33	531.2 / 219.0	90308		2.200	NA	NA	NA	88.0
d3-NMeFOSAA	EIS	4.15	573.2 / 419.1	396786		5.909	NA	NA	NA	118.2
d5-NEtFOSAA	EIS	4.35	589.3 / 419.1	143765		5.033	NA	NA	NA	100.7
d7-NMeFOSE	EIS	5.90	623.2 / 58.9	331633		22.349	NA	NA	NA	89.4
d9-NEtFOSE	EIS	6.19	639.2 / 58.9	739503		21.668	NA	NA	NA	86.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.31	287.0 / 169.0	917079		9.500	NA	NA	NA	95.0
	13C3-PFBA	NIS	0.60	216.0 / 172.0	1086521		5.533	NA	NA	NA	110.7
	13C2-PFHxA	NIS	2.04	315.0 / 270.0	496560		2.552	NA	NA	NA	102.1
	13C4-PFOA	NIS	3.21	417.0 / 372.0	191919		2.275	NA	NA	NA	91.0
	13C5-PFNA	NIS	3.64	468.0 / 423.0	380957		1.358	NA	NA	NA	108.6
	13C2-PFDA	NIS	4.04	515.1 / 470.1	359083		1.393	NA	NA	NA	111.4
	18O2-PFHxS	NIS	3.31	403.1 / 84.1	280752		2.818	NA	NA	NA	118.9
	13C4-PFOS	NIS	4.19	503.1 / 80.1	296772		2.719	NA	NA	NA	113.3

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_34.wiff2_1
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

	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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Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFBA
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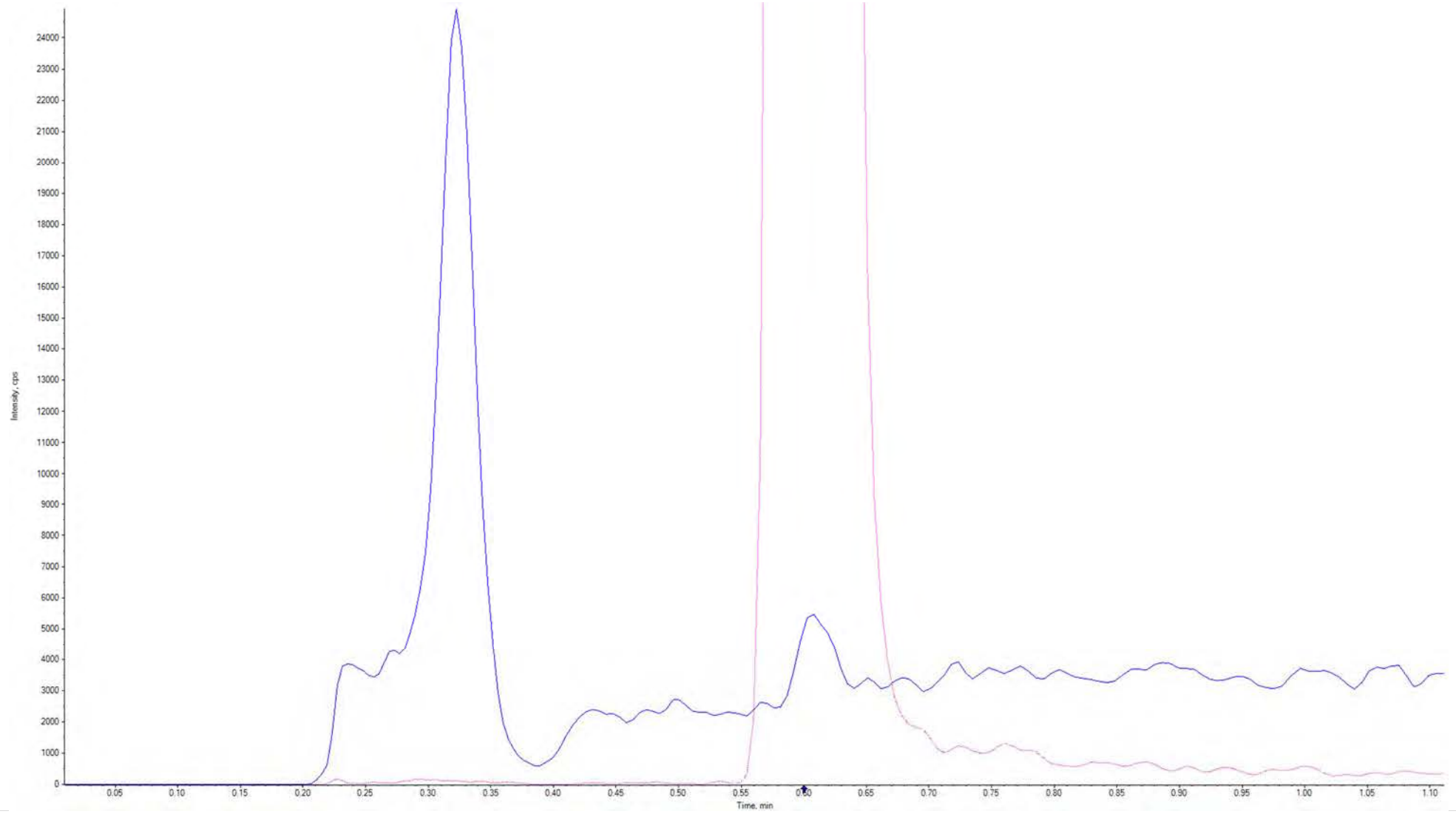

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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PFPeA
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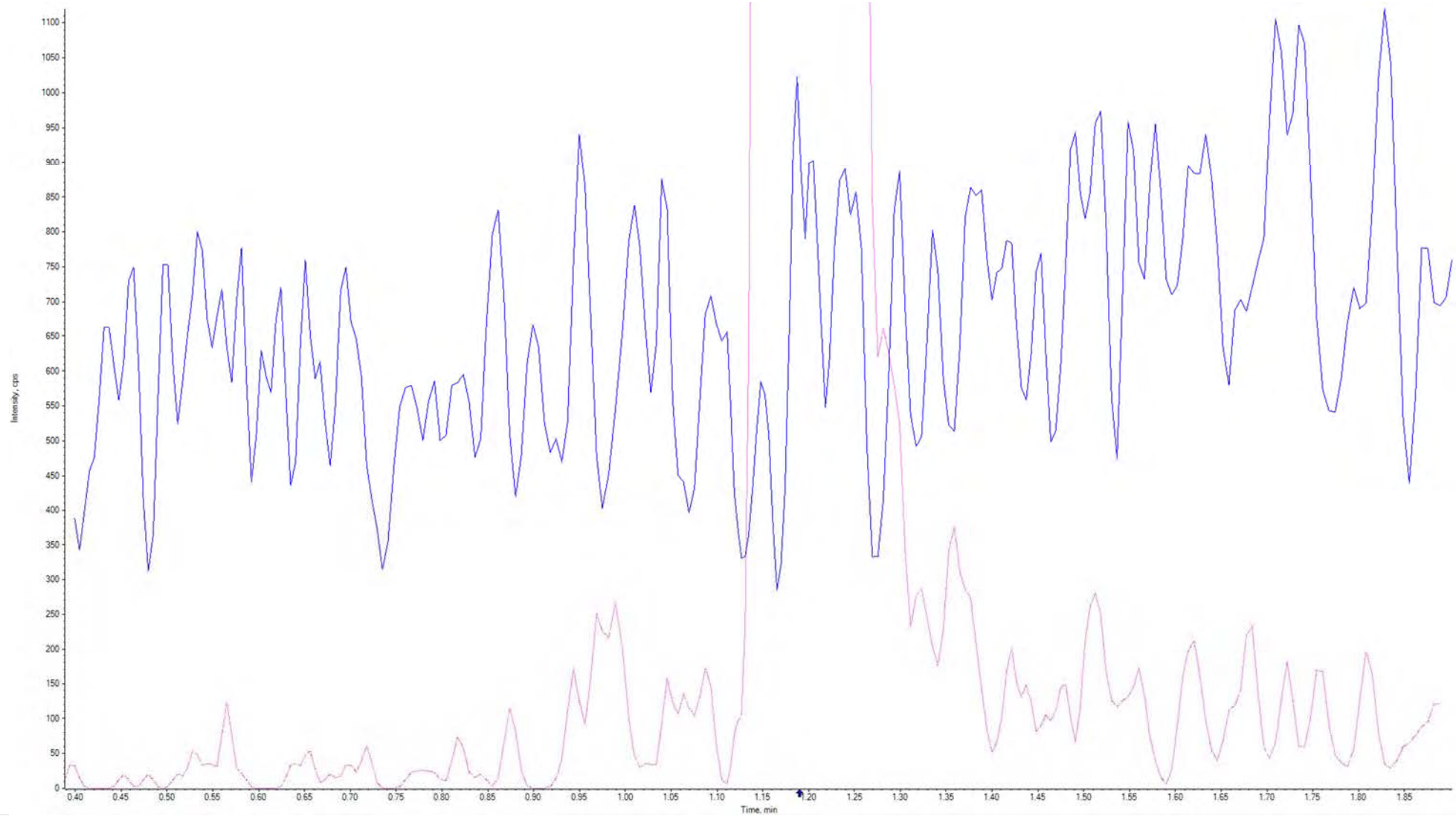

PFPeA_2
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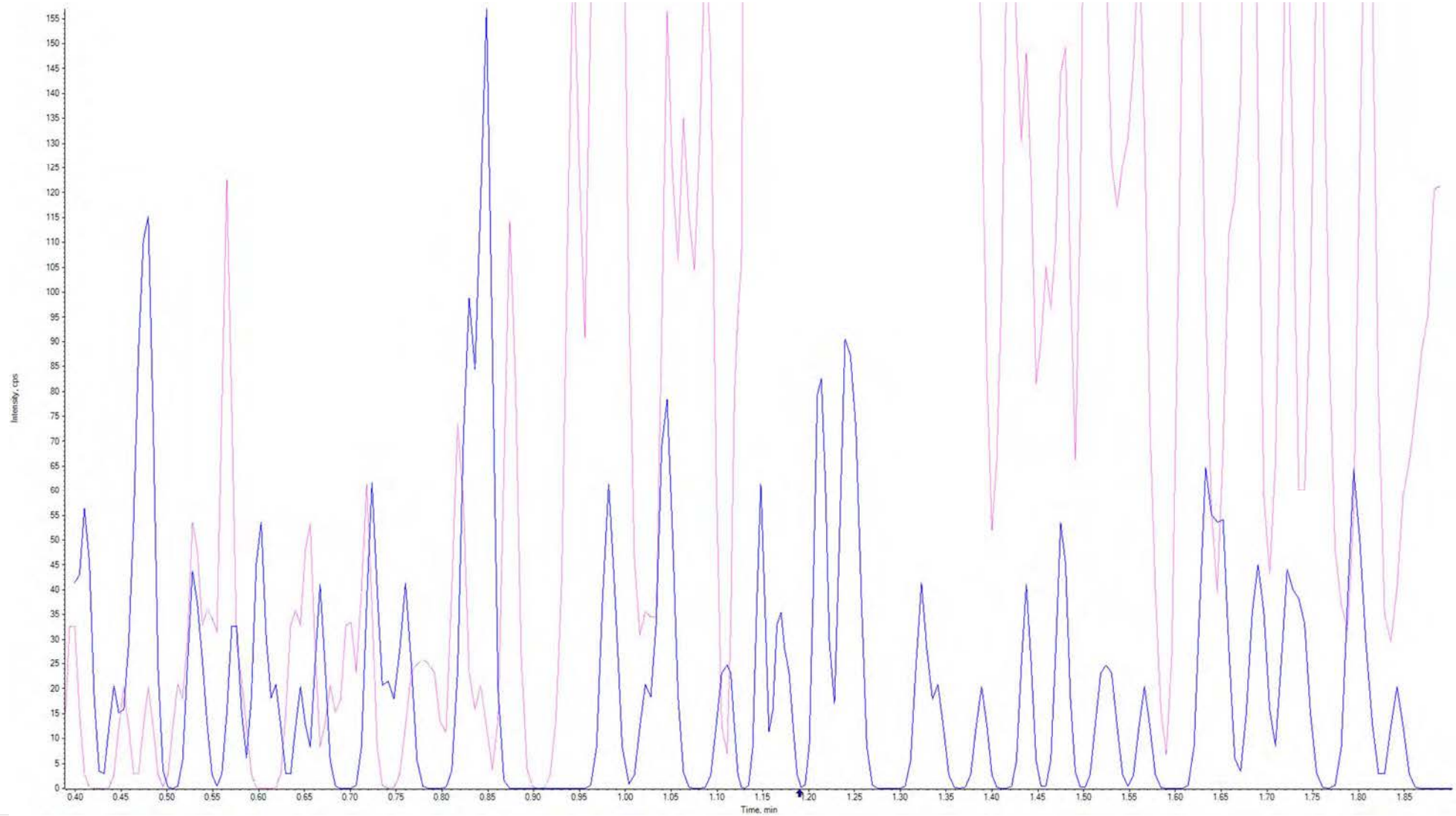

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Alpha Analytical LLC
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Generated: 3/1/2025 7:28:00 AM

PFHxA
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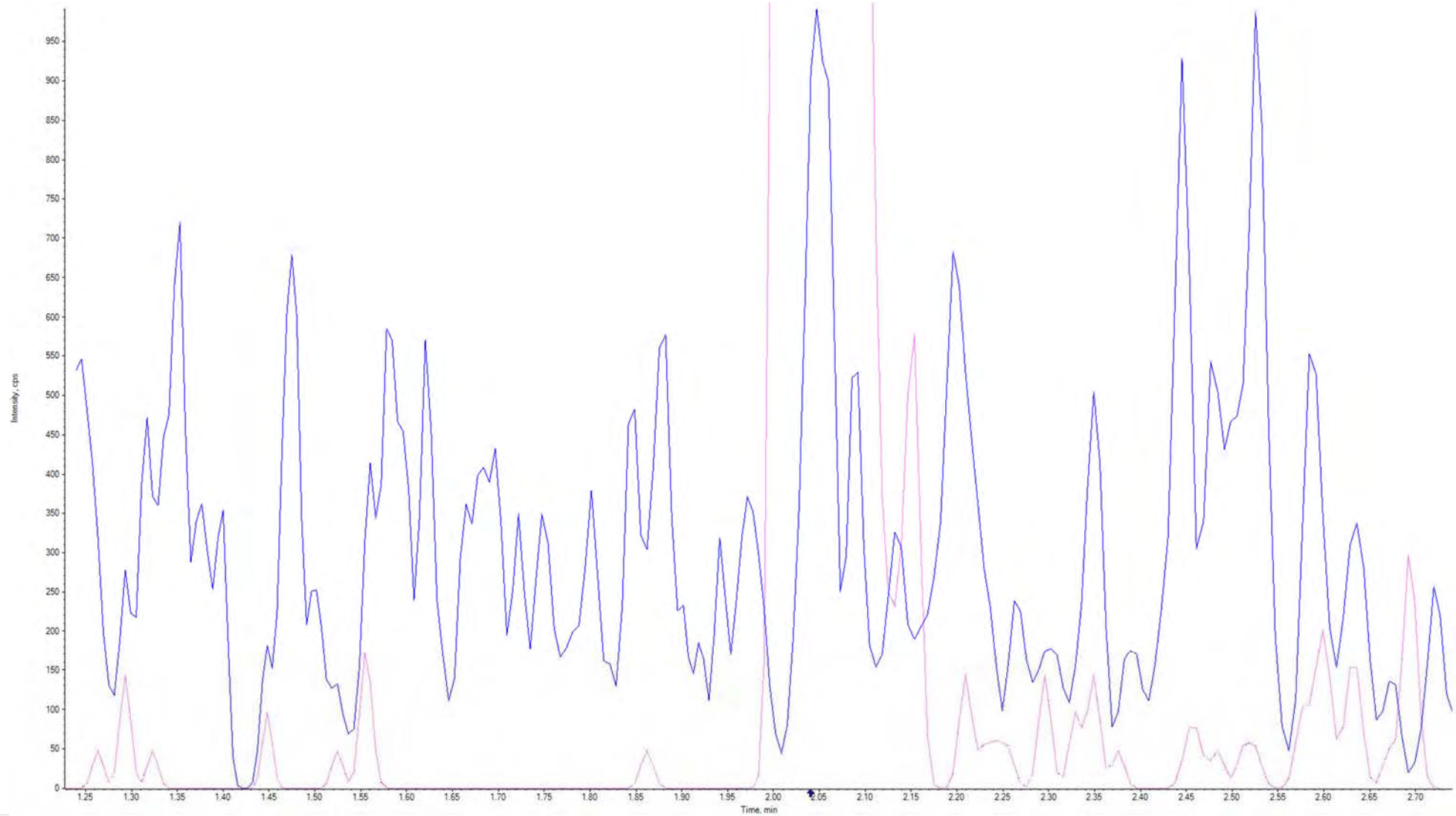

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Alpha Analytical LLC
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PFHxA_2
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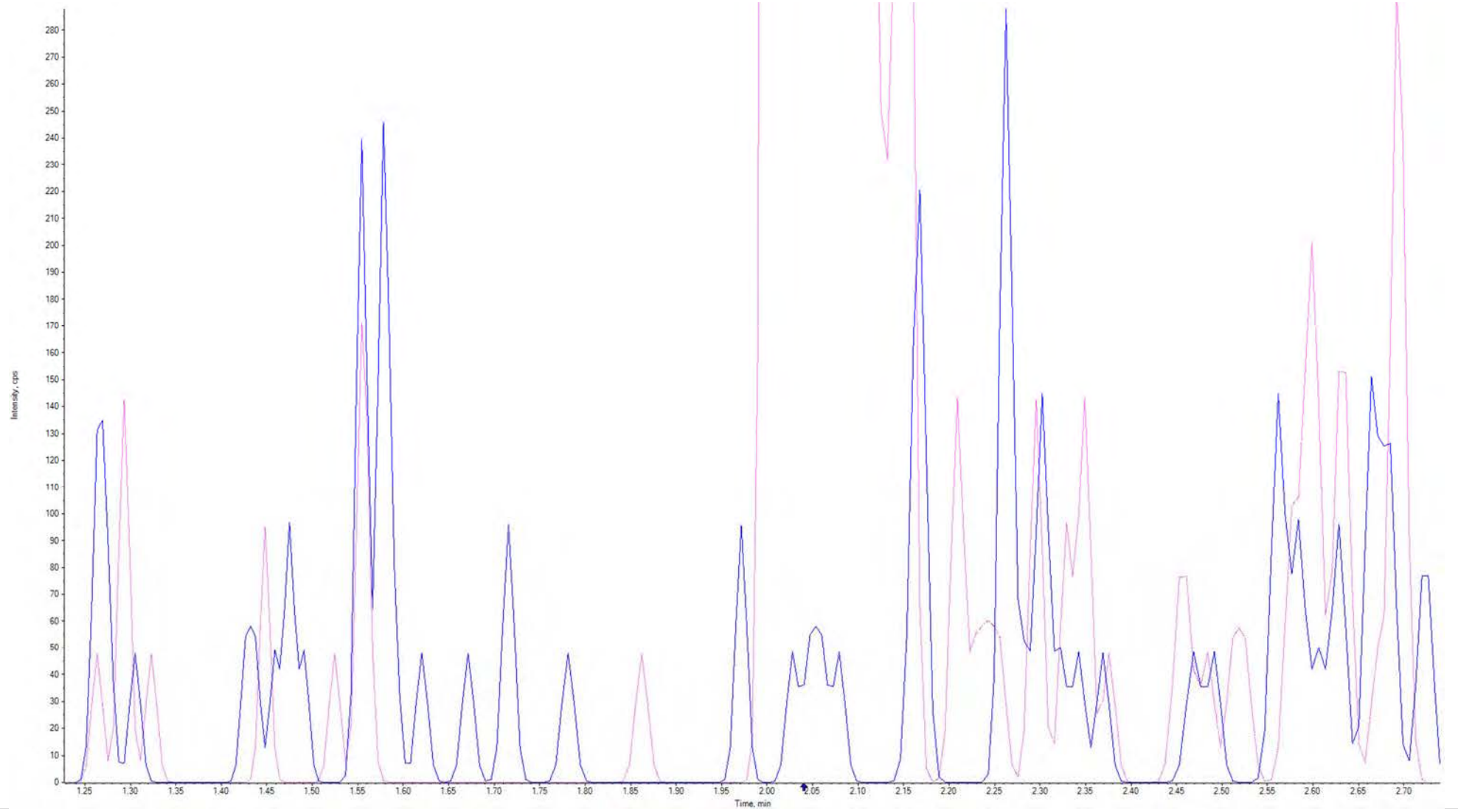

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PFHpA
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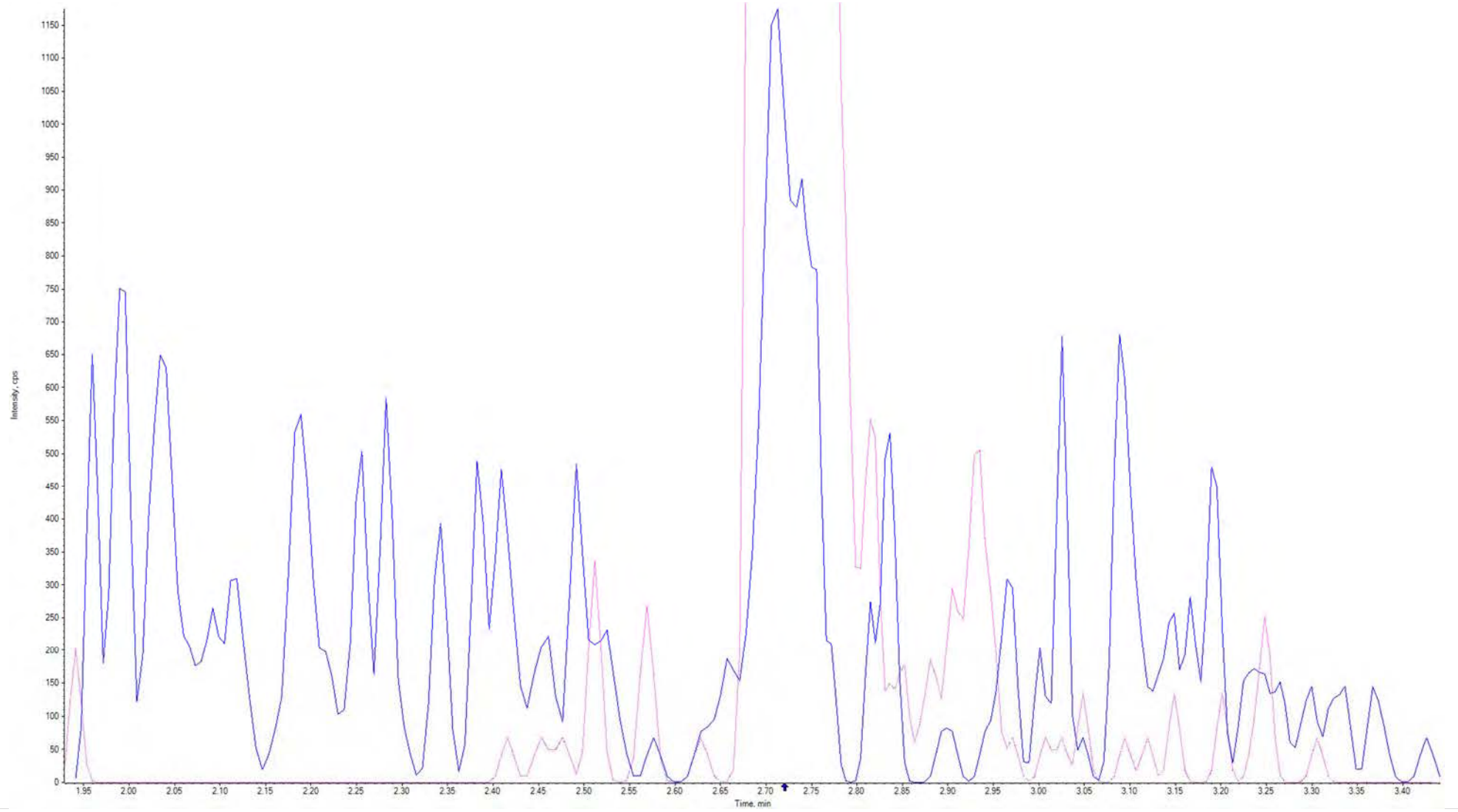

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Generated: 3/1/2025 7:28:00 AM

PFHpA_2
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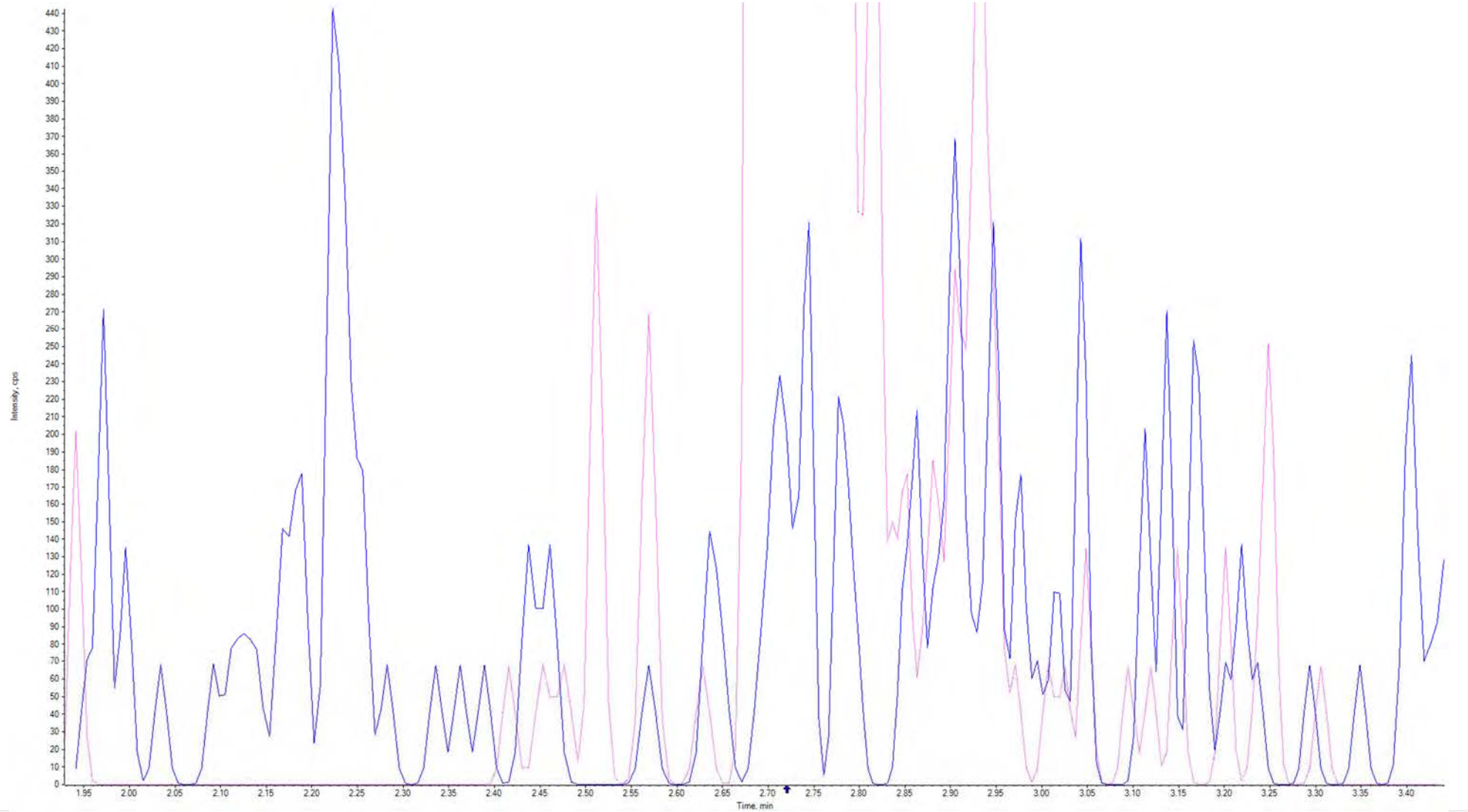

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Generated: 3/1/2025 7:28:00 AM

PFOA
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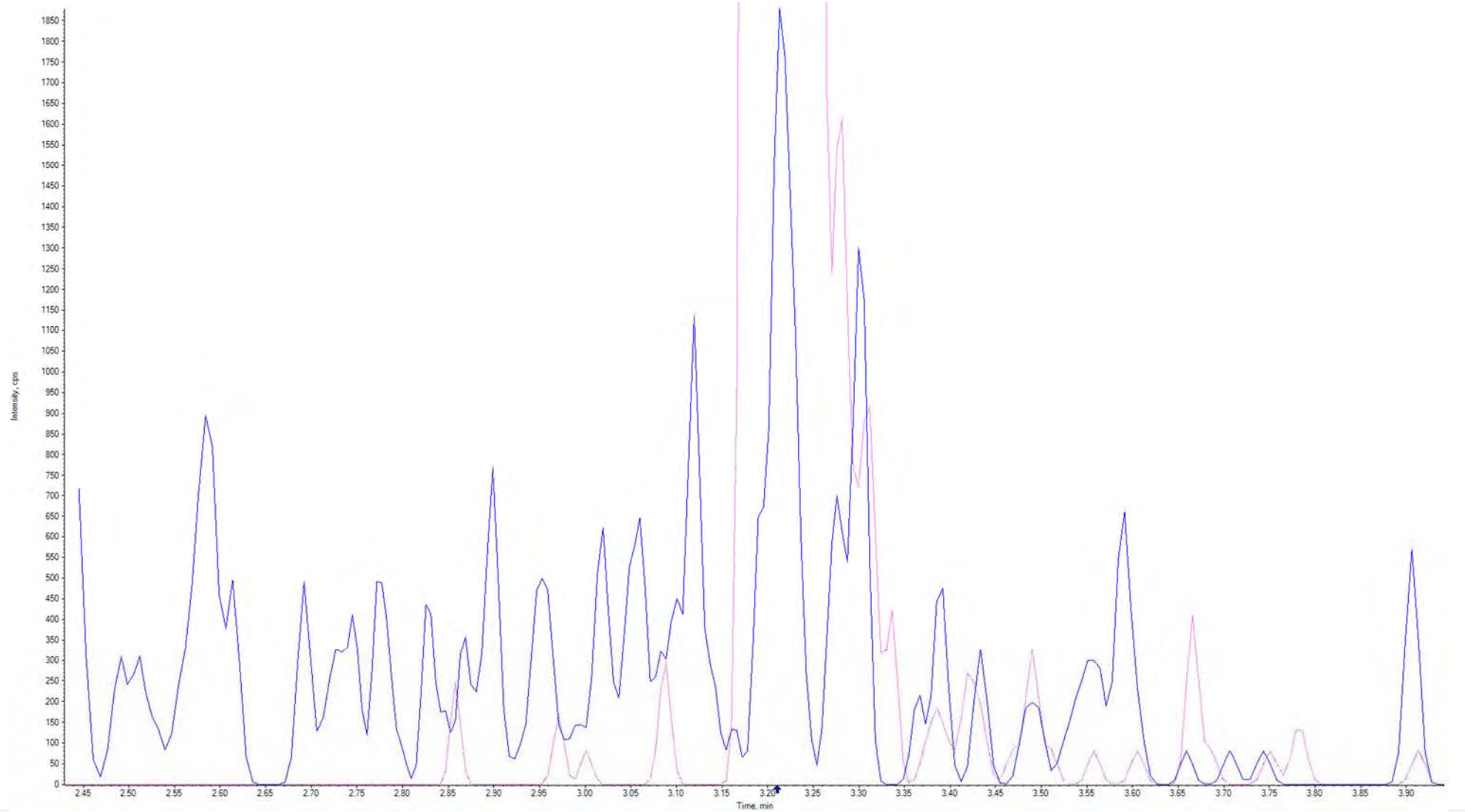

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Generated: 3/1/2025 7:28:00 AM

PFOA_2
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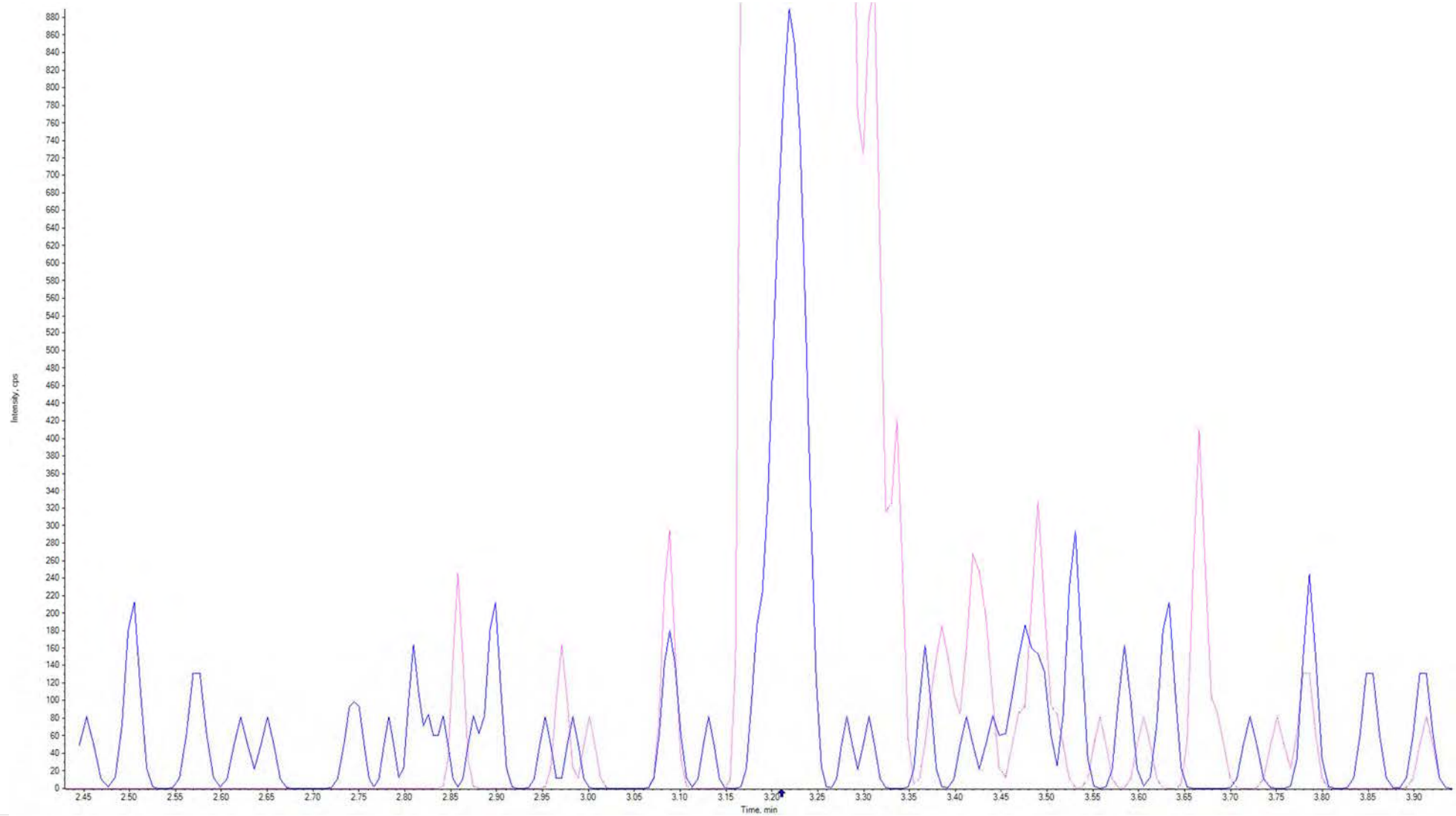

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Generated: 3/1/2025 7:28:00 AM

PFNA
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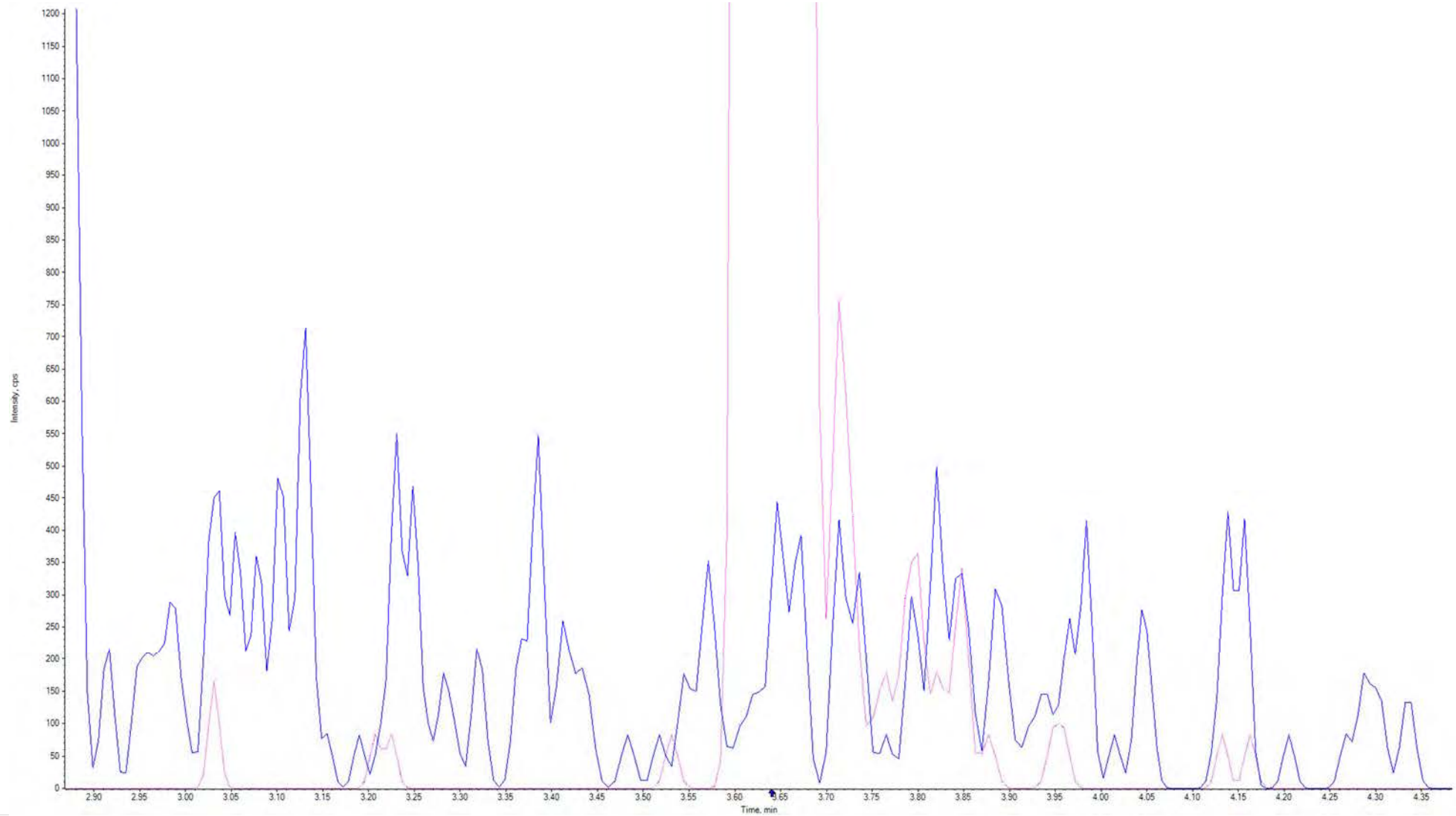

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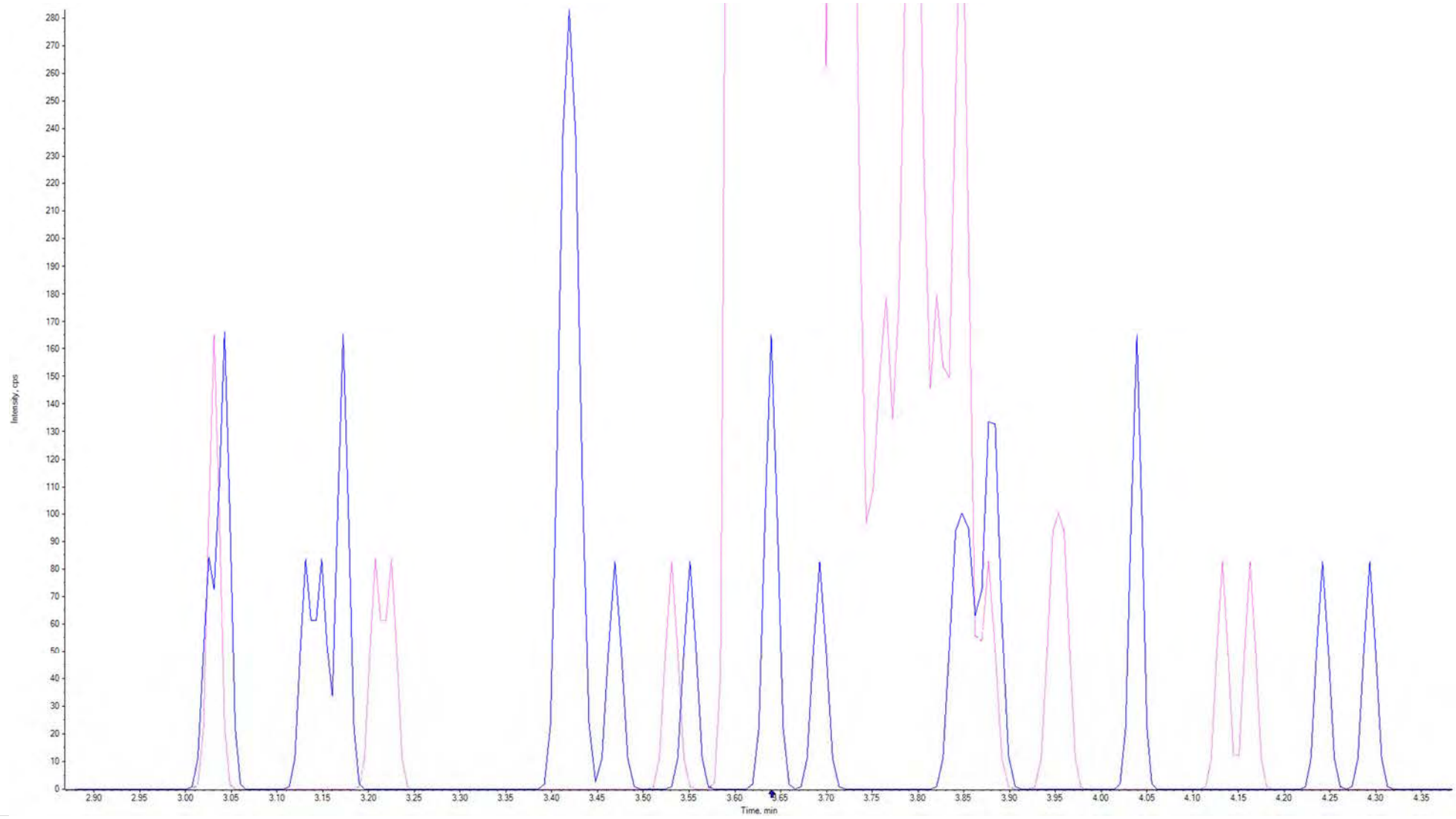
Generated: 3/1/2025 7:28:00 AM

PFNA_2
Sample: WG2035470-2,INSTBLANK S/N:N/A Points Across peak:N/A



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PFDA
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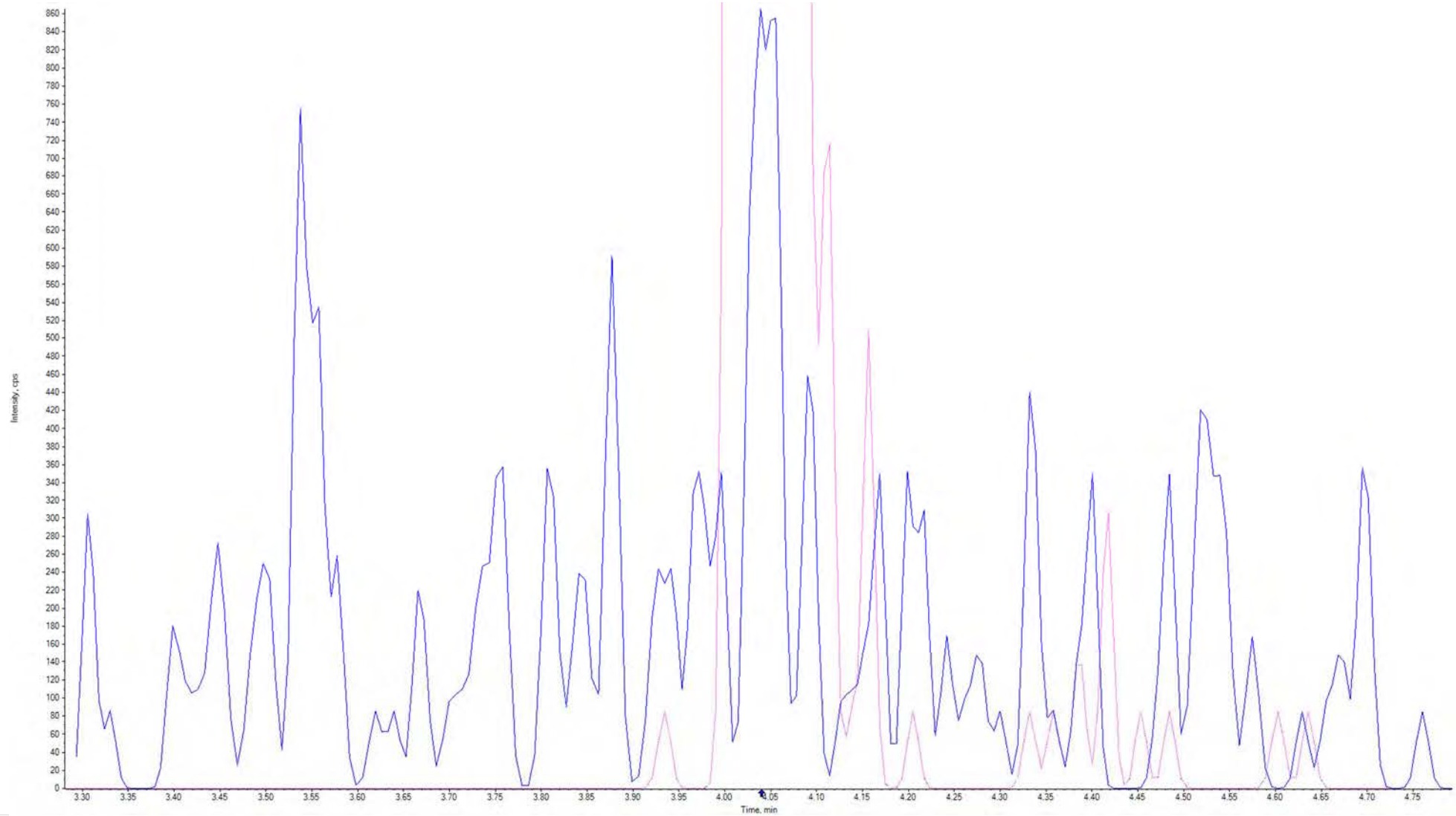

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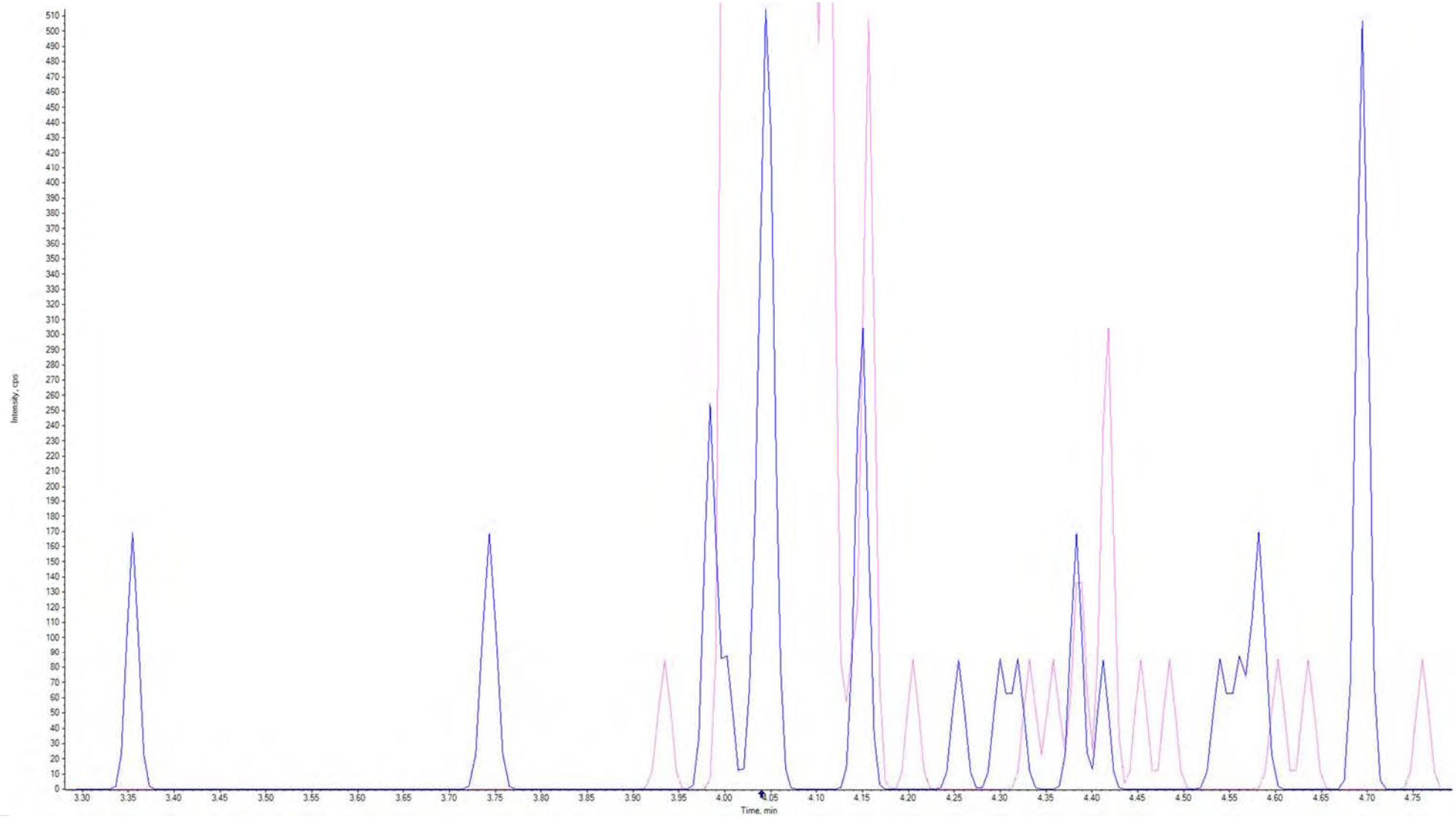
Generated: 3/1/2025 7:28:00 AM

PFDA_2
Sample: WG2035470-2,INSTBLANK S/N:N/A Points Across peak:N/A



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Generated: 3/1/2025 7:28:00 AM

PFUnA
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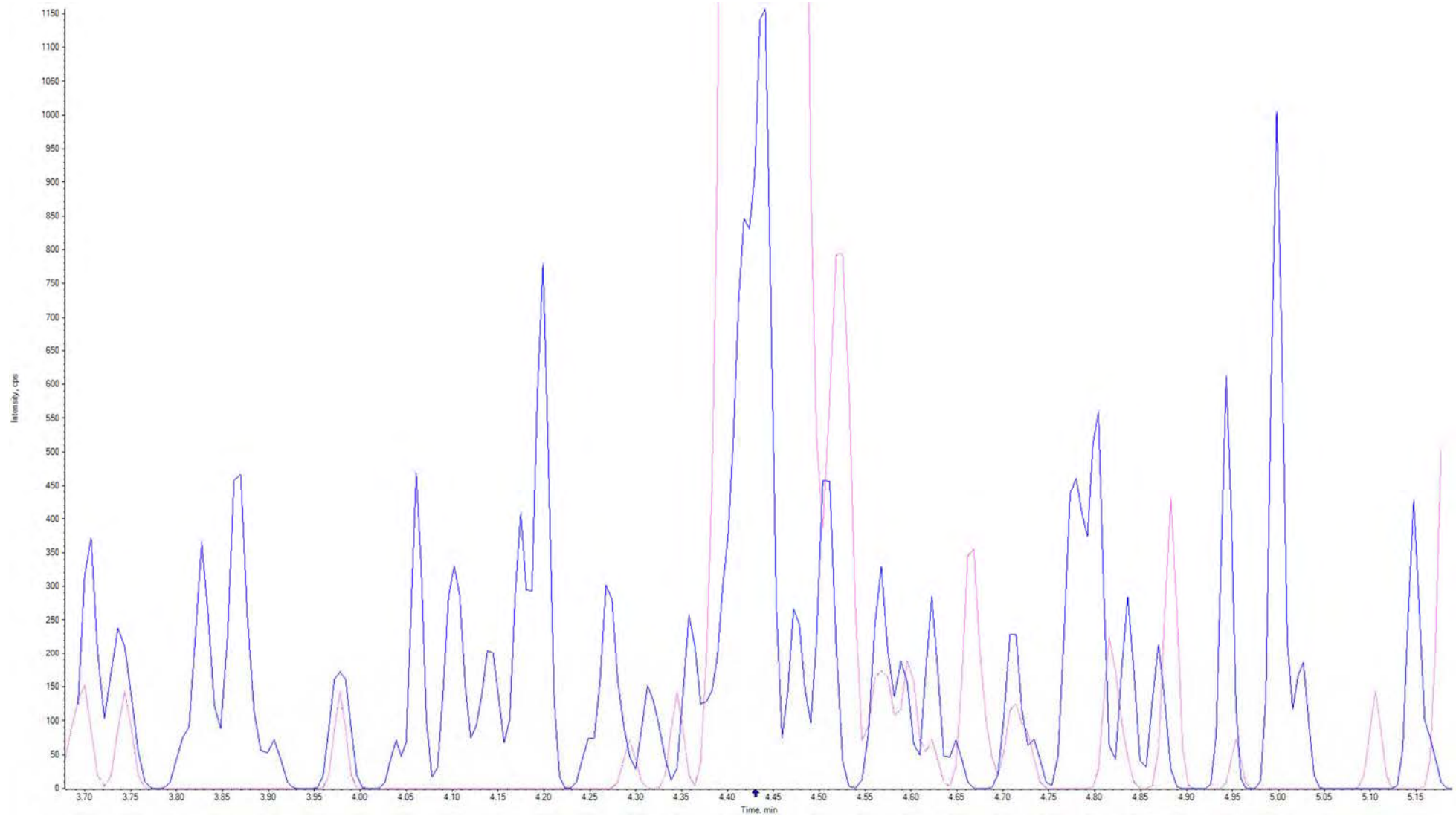

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PFUnA_2
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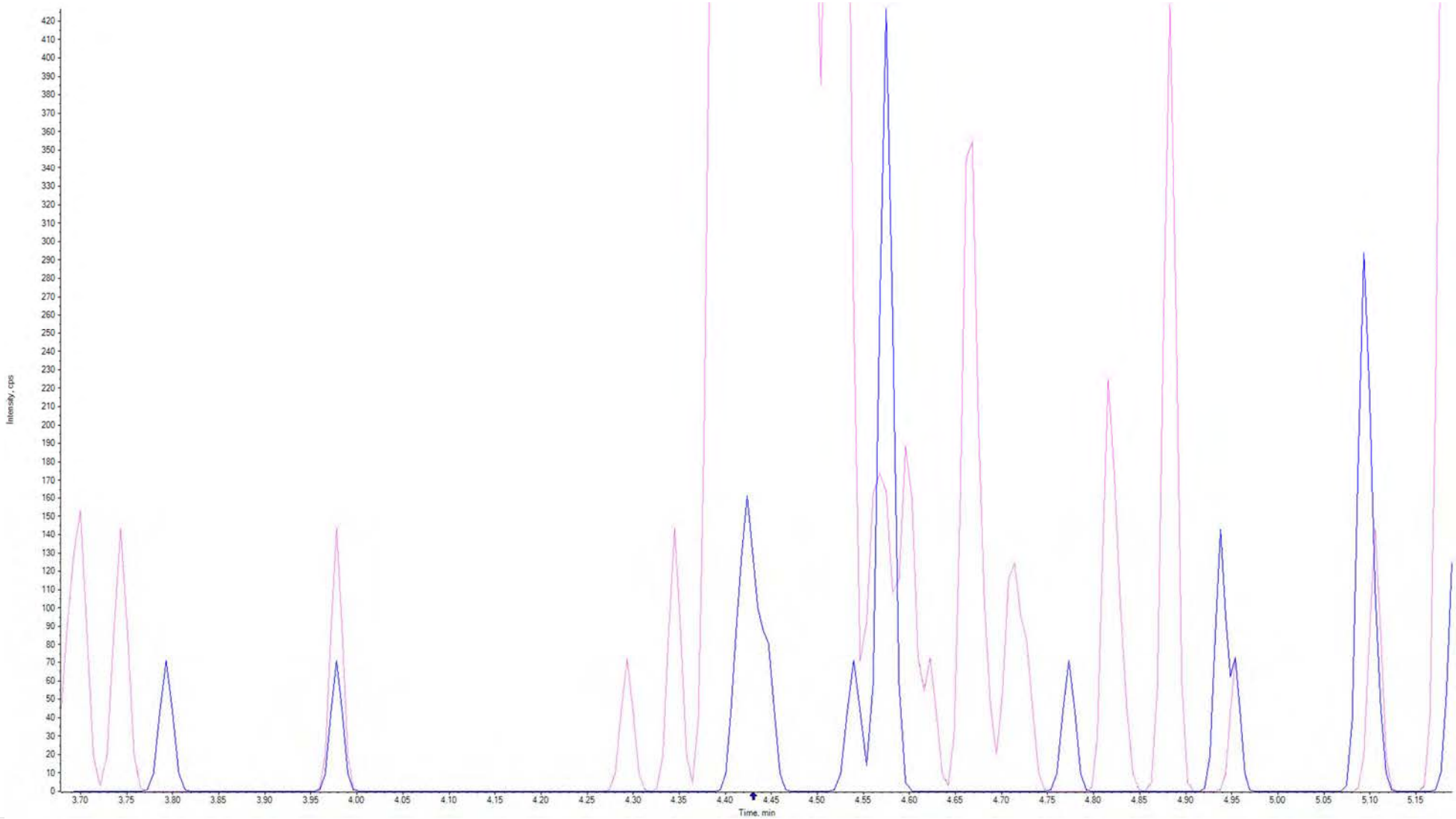

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PFDoA
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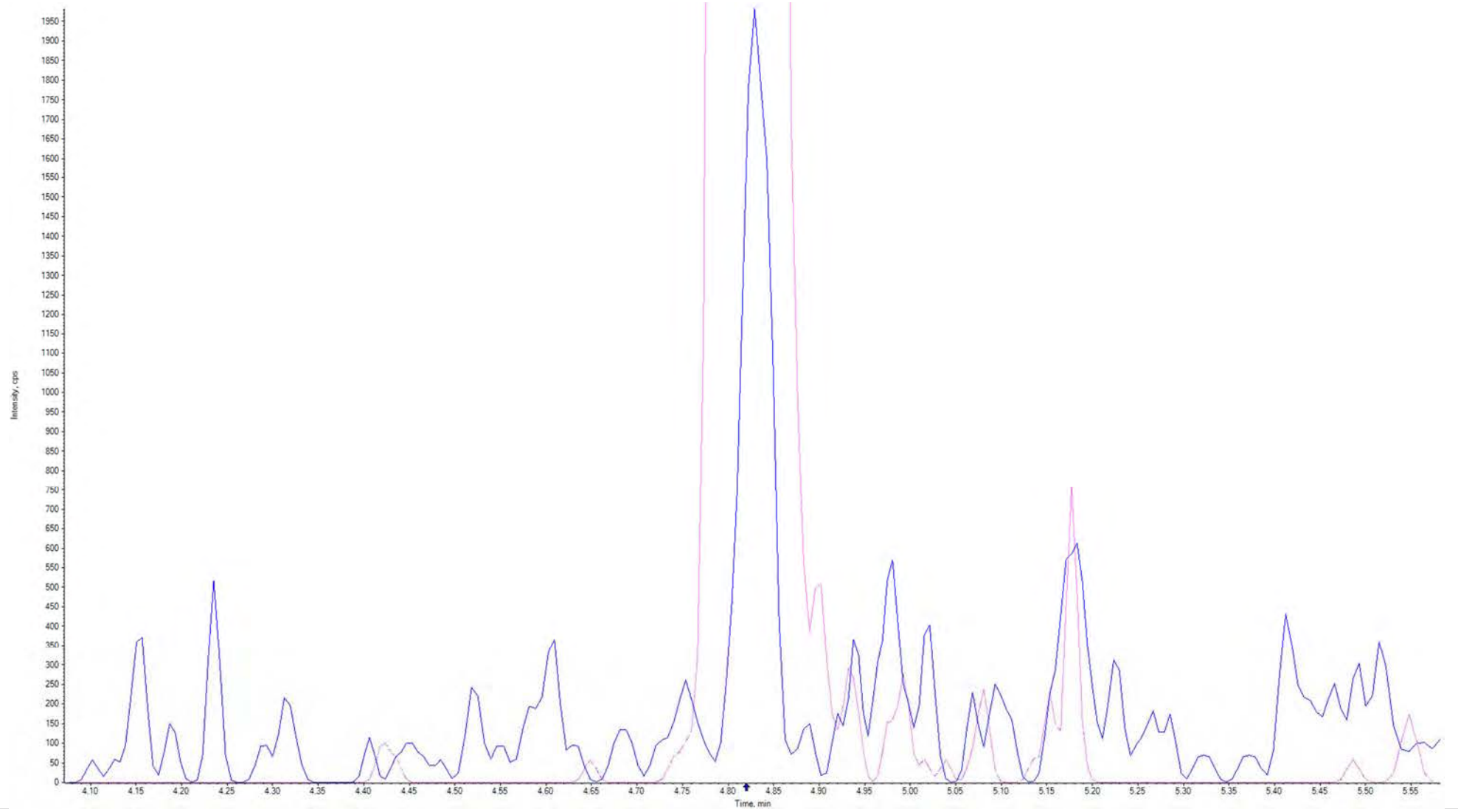

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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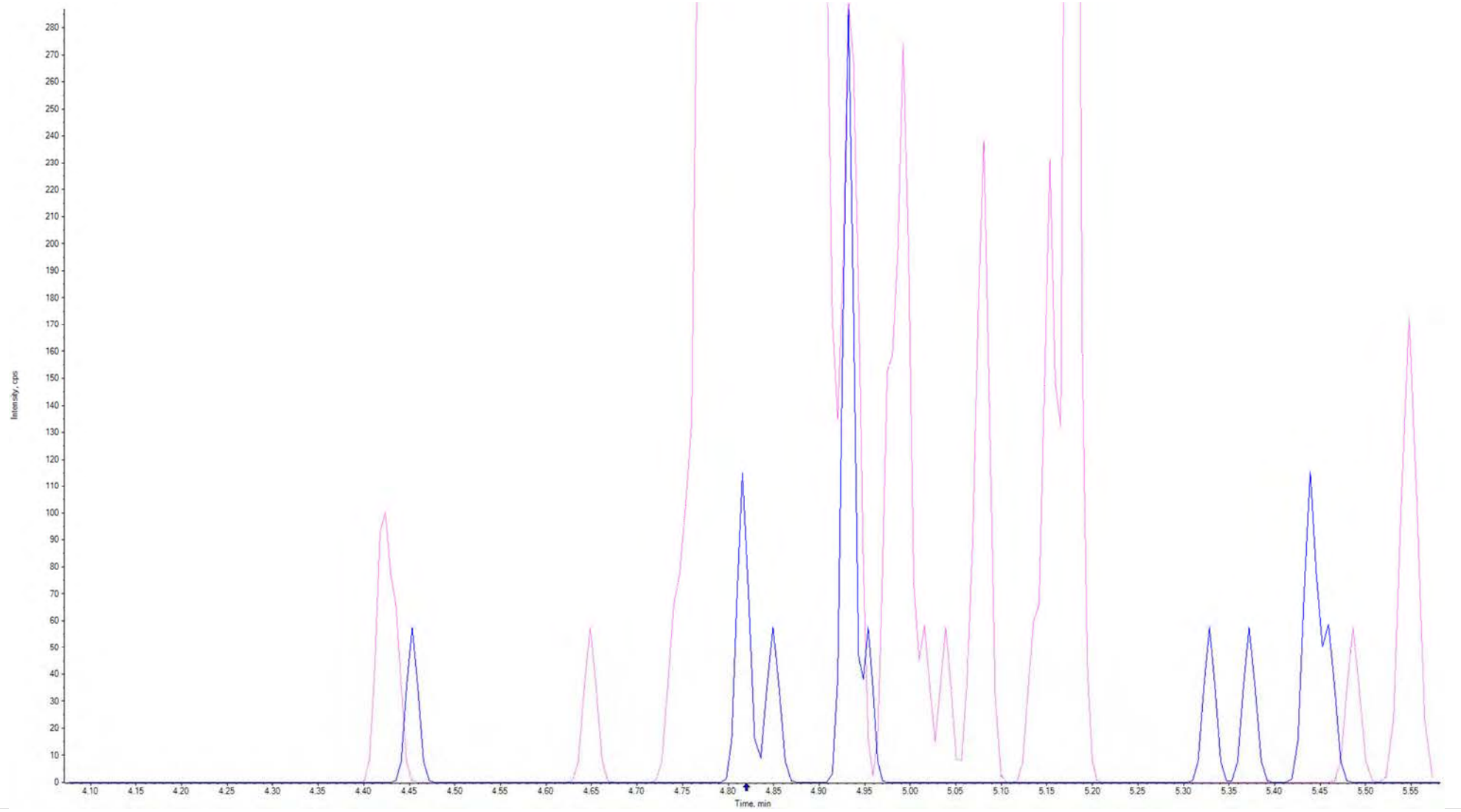
Generated: 3/1/2025 7:28:00 AM

PFDoA_2
Sample: WG2035470-2,INSTBLANK S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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PFTrDA
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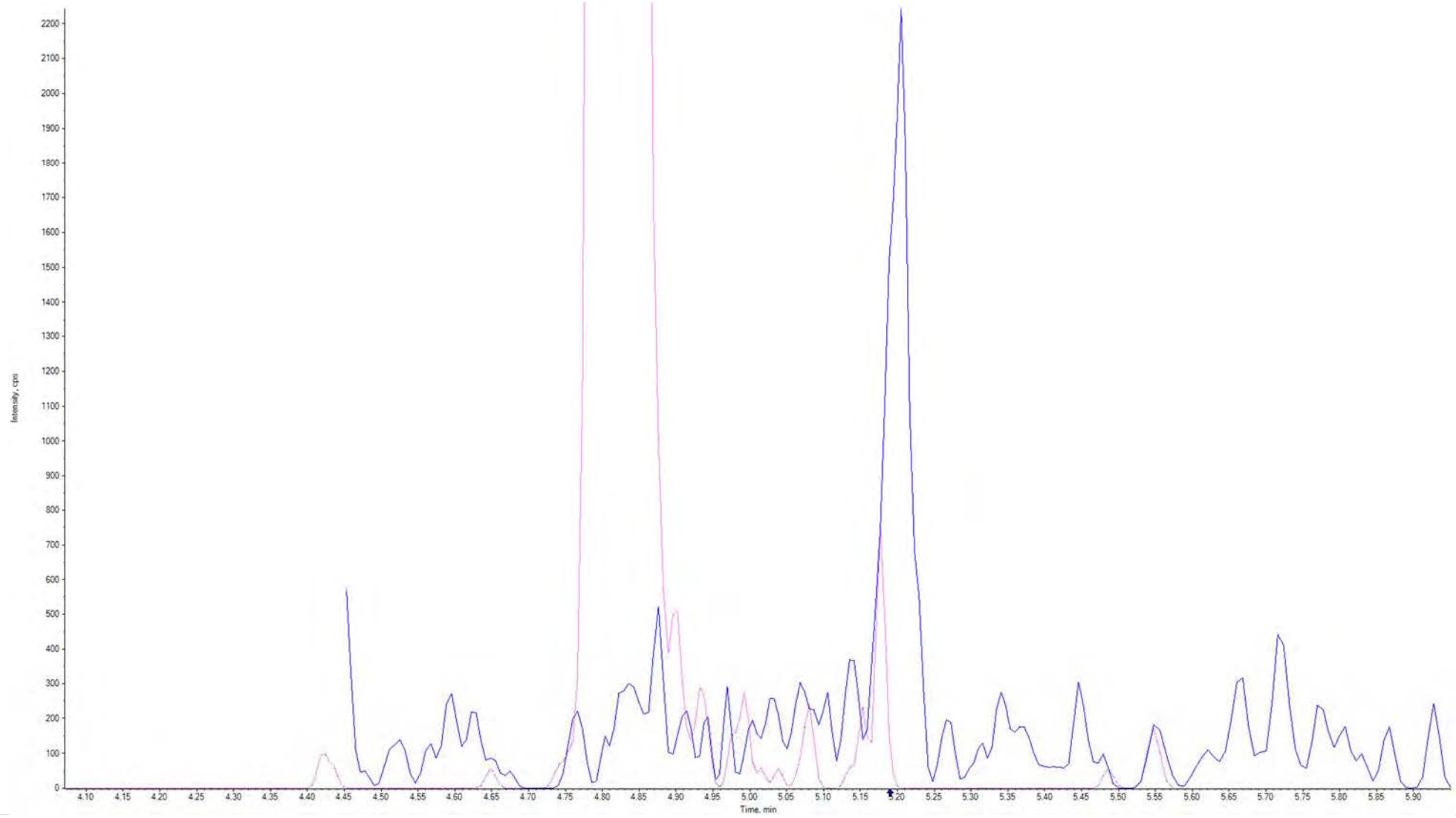

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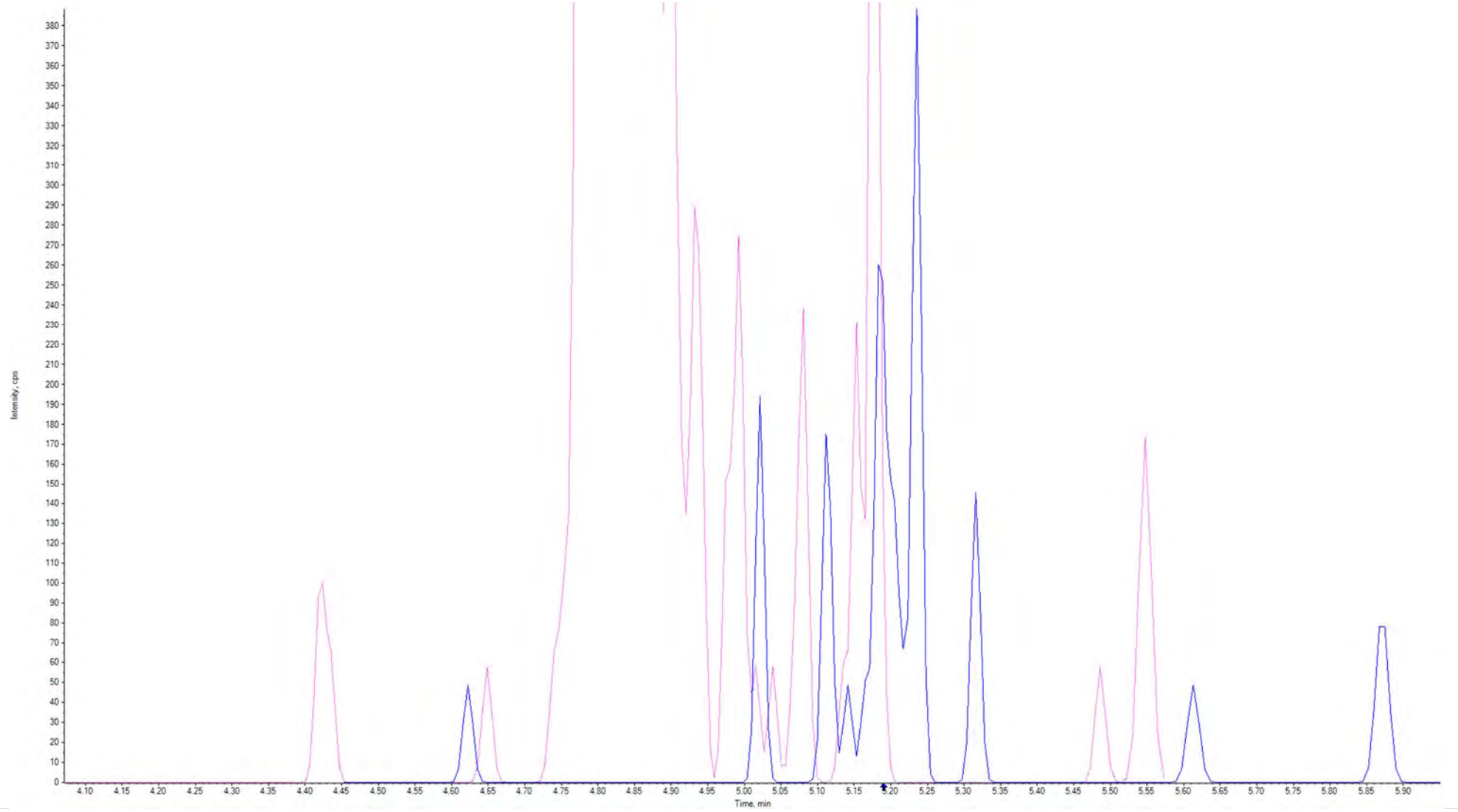
PFTrDA_2
Sample: WG2035470-2,INSTBLANK S/N:N/A Points Across peak:N/A



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PFTeDA
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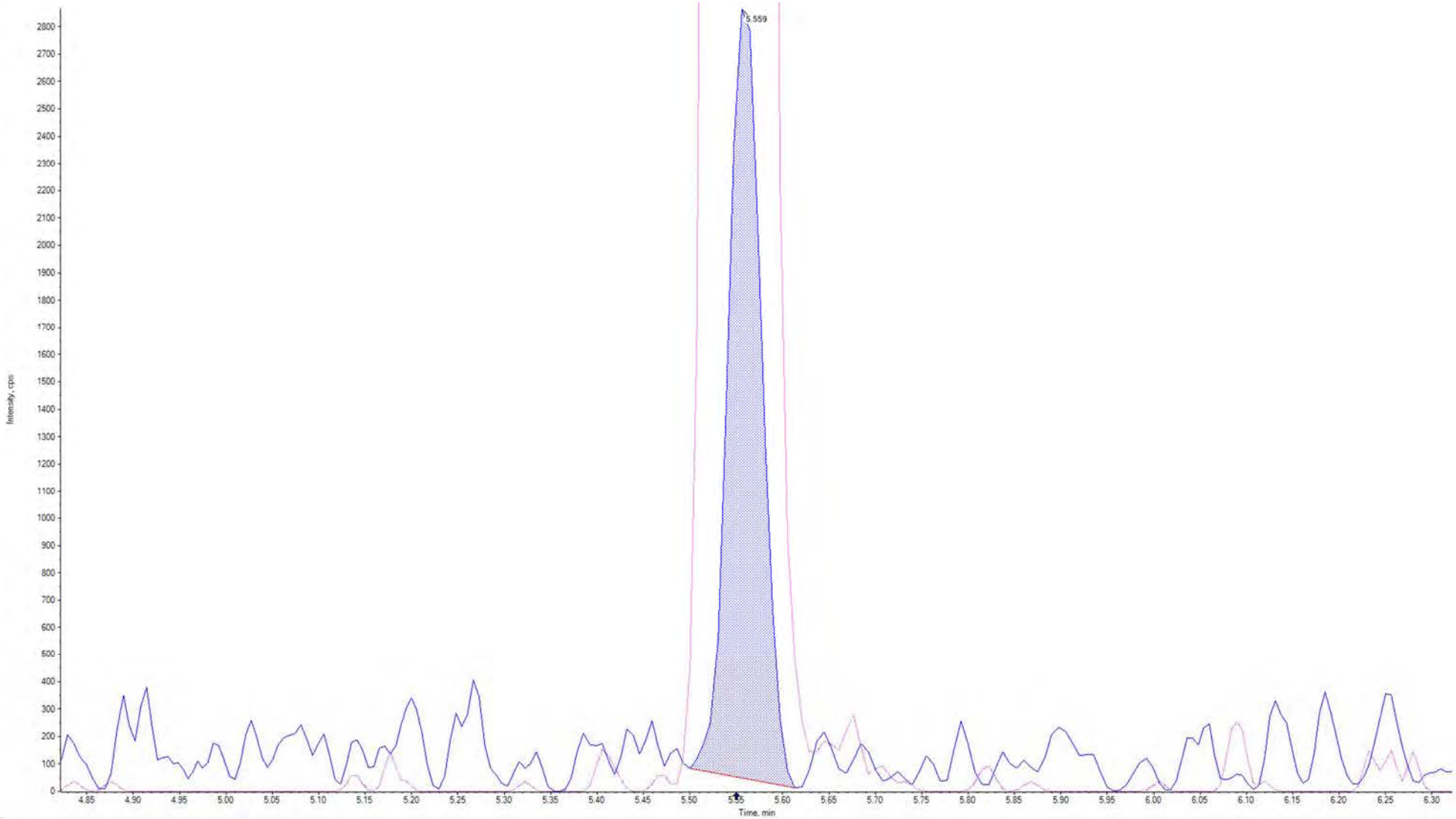

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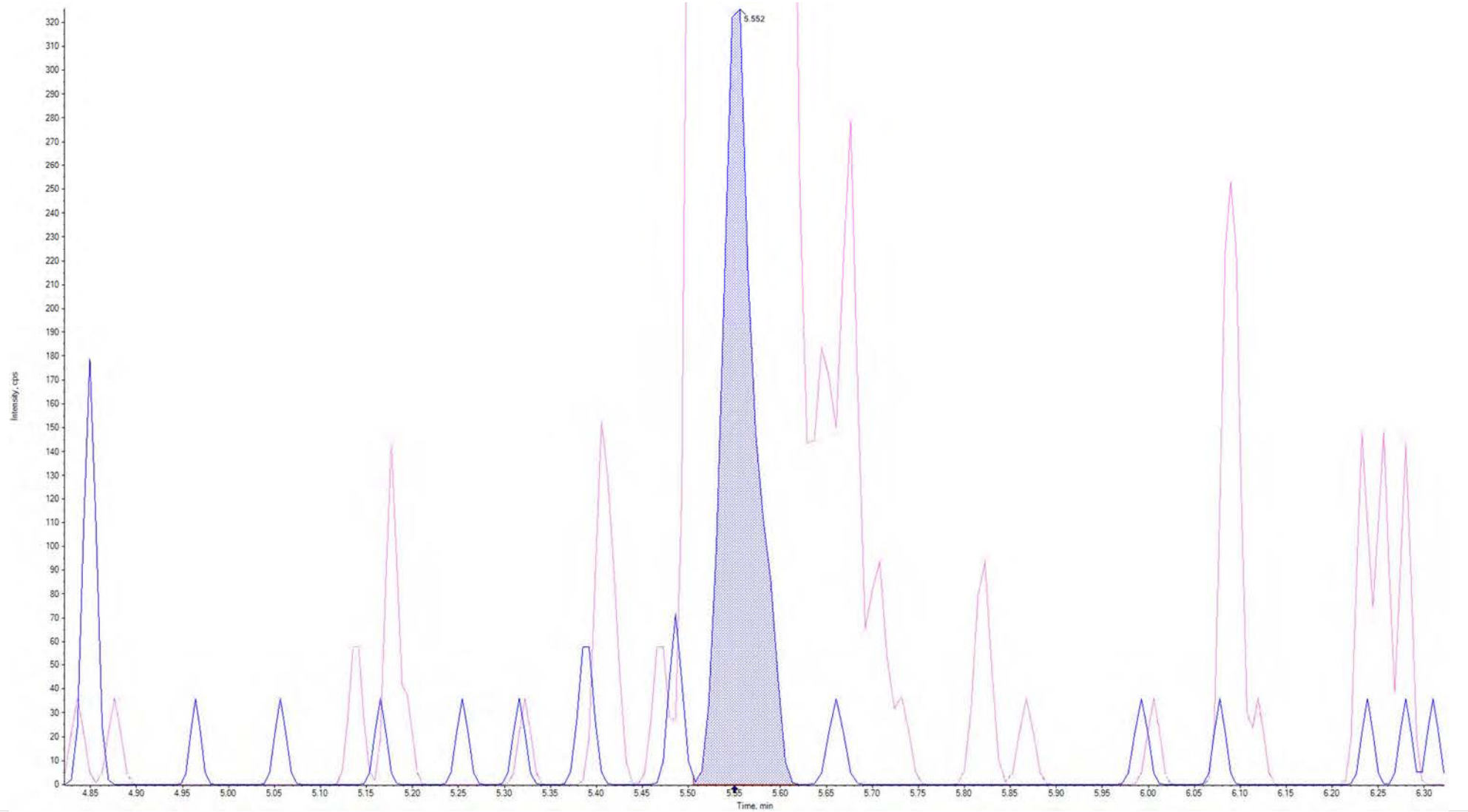
PFTeDA_2
Sample: WG2035470-2,INSTBLANK S/N:9.0 Points Across peak:17



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PFBS
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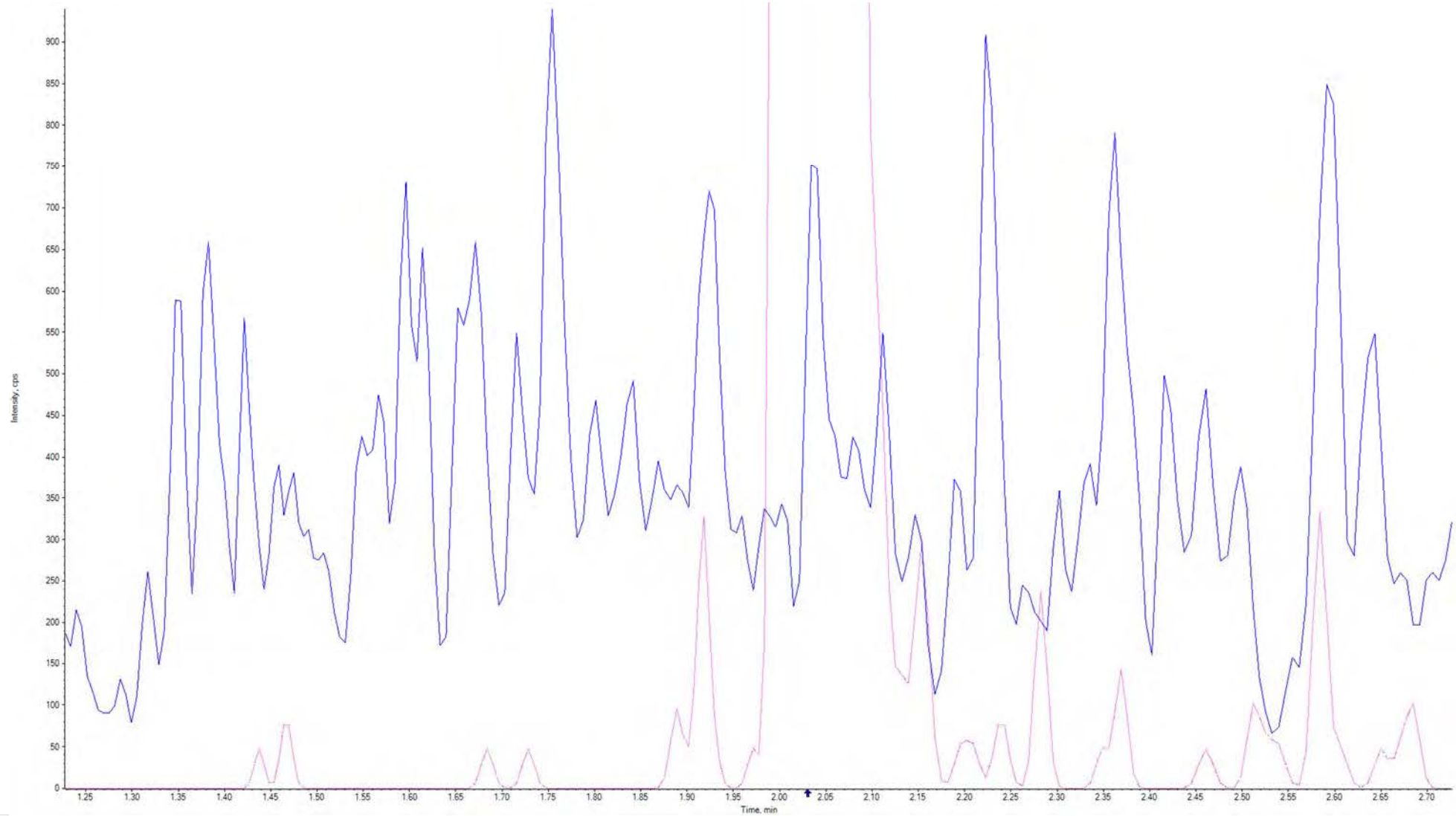

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PFBS_2
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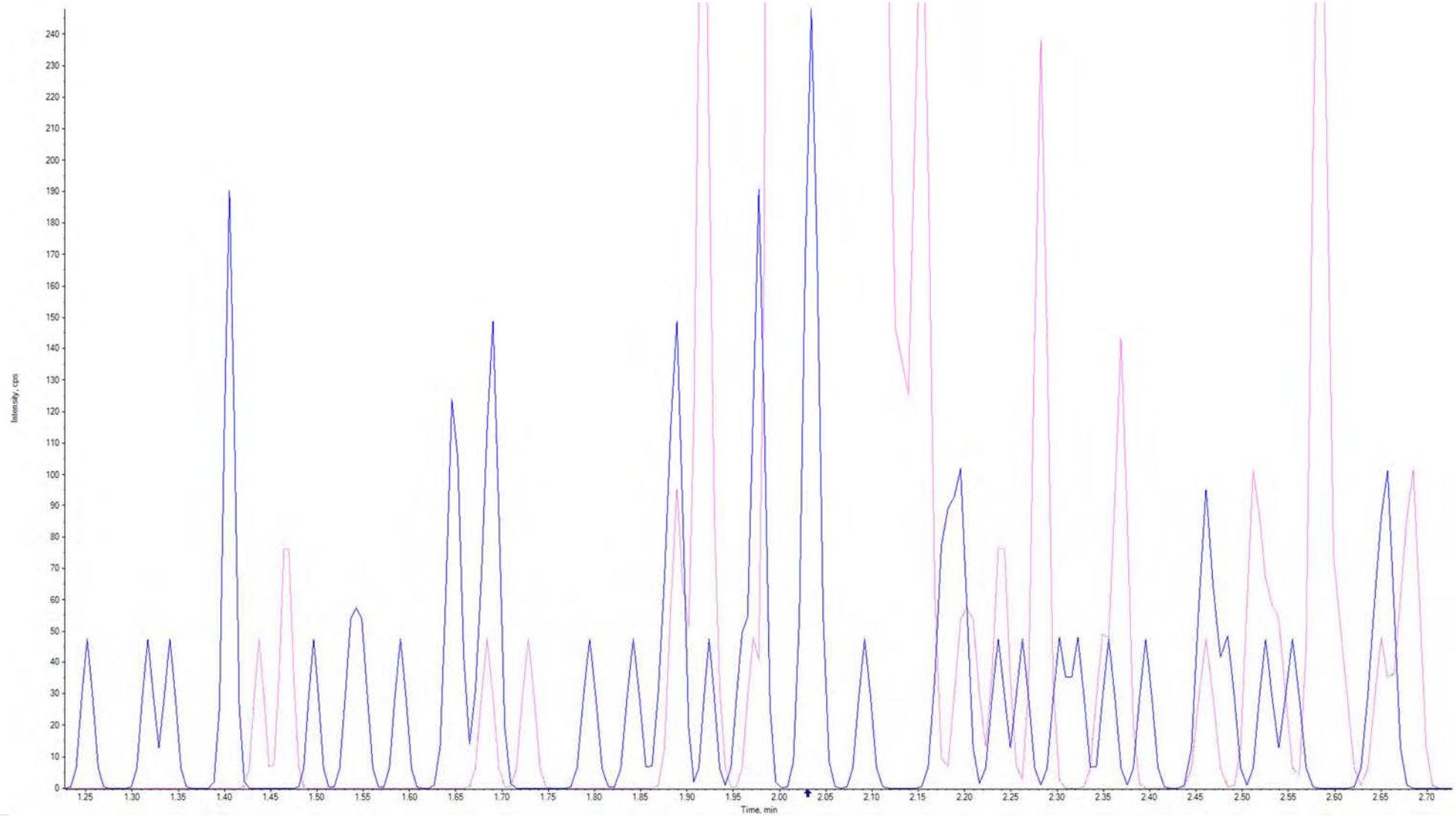

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PFPeS
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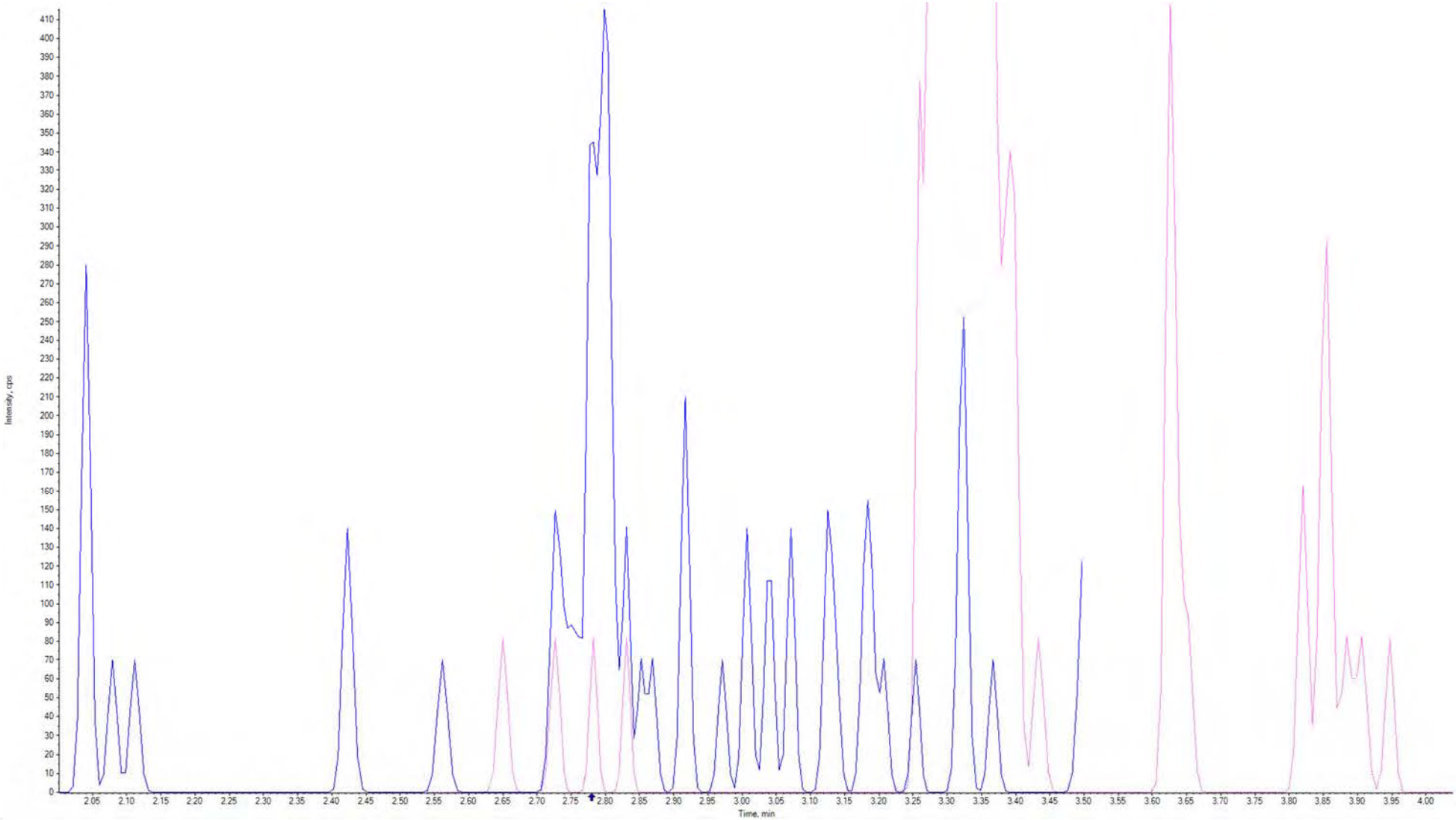

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Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFPeS_2
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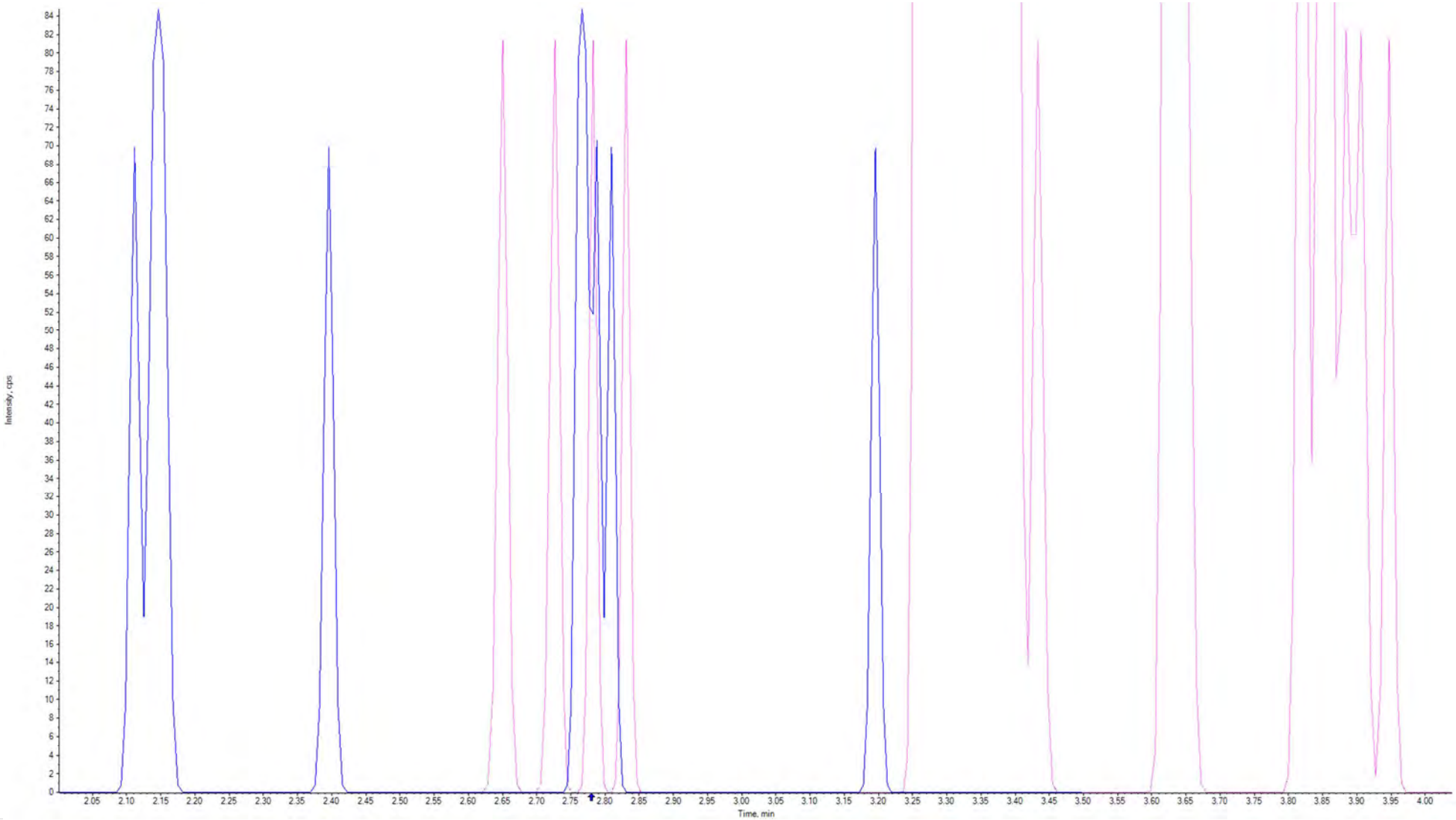

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Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFHxS
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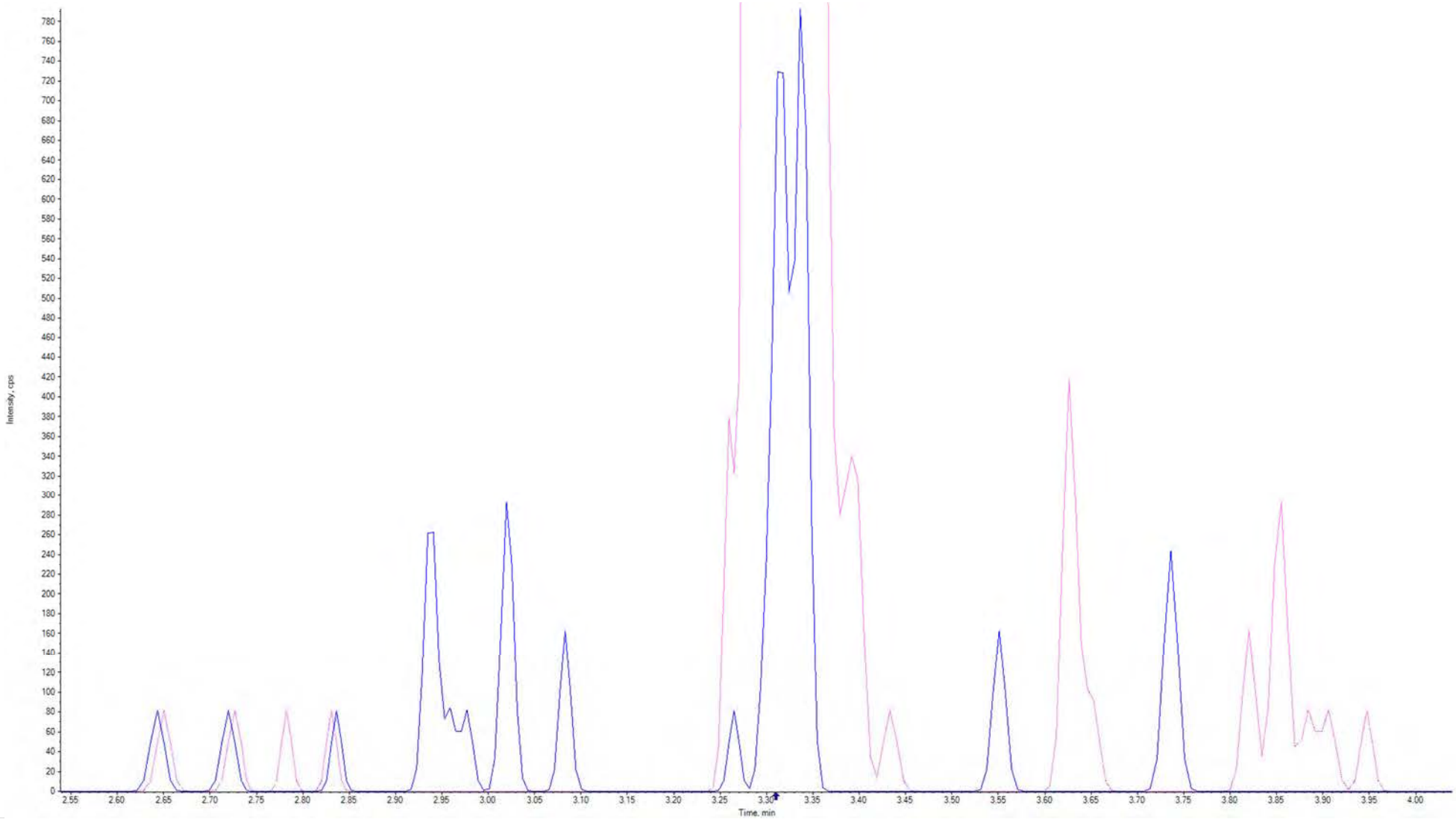

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Generated: 3/1/2025 7:28:00 AM

PFHxS_2
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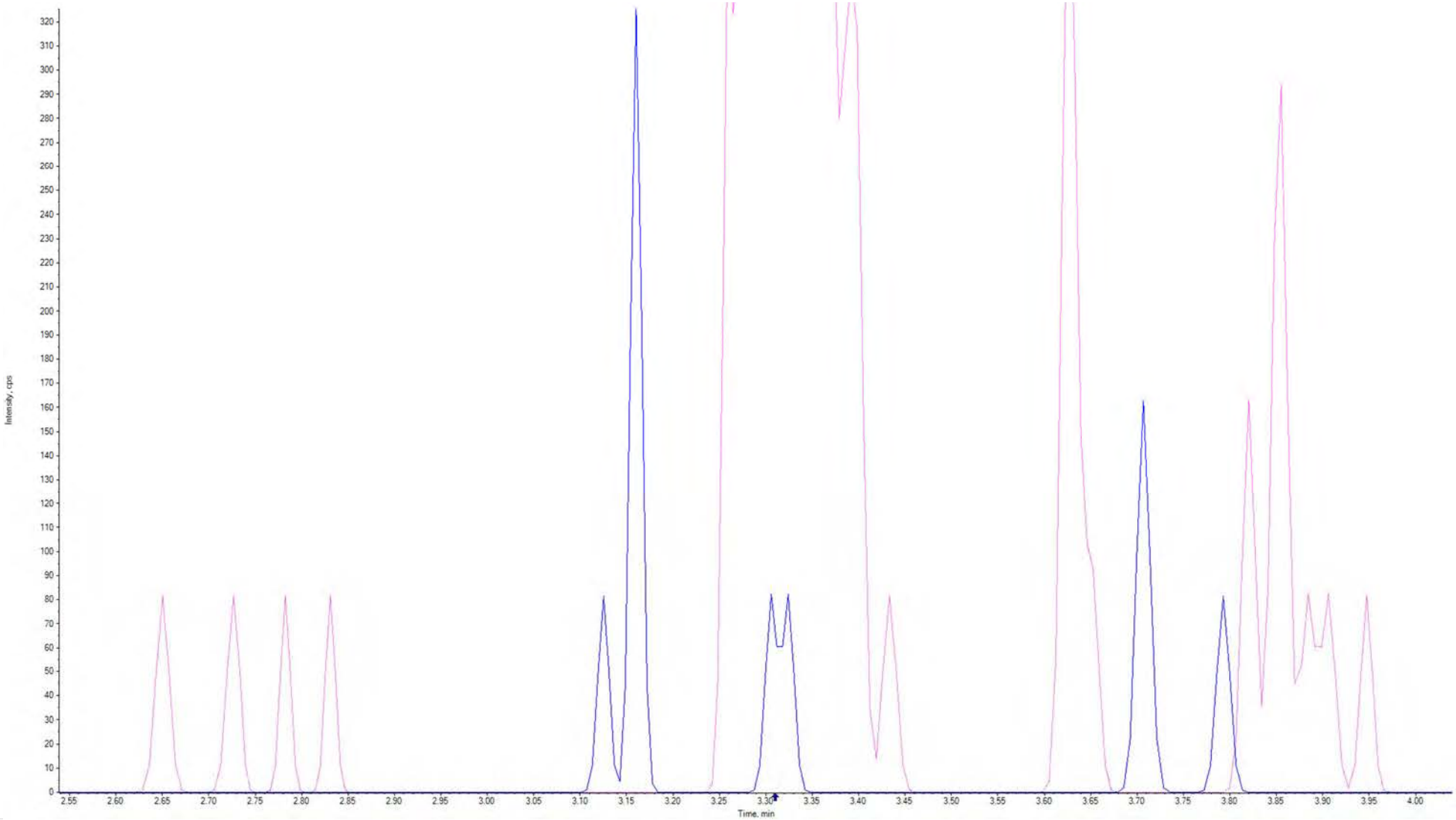

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Alpha Analytical LLC
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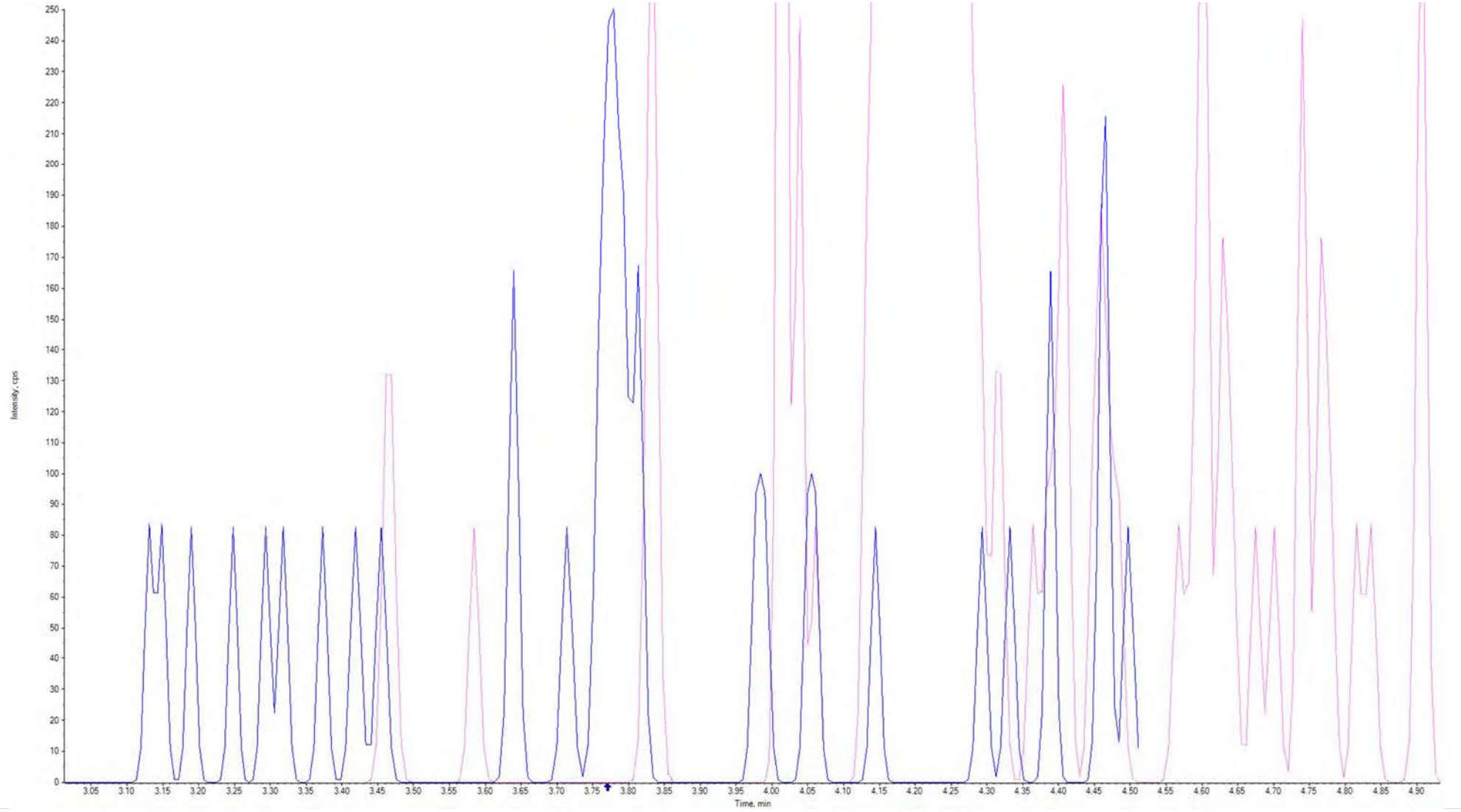
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFHpS
Sample: WG2035470-2,INSTBLANK 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\250228\SCI07_250228_34.wiff2_1
Last Altered: 3/1/2025 8:37:00 AM
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PFHpS_2
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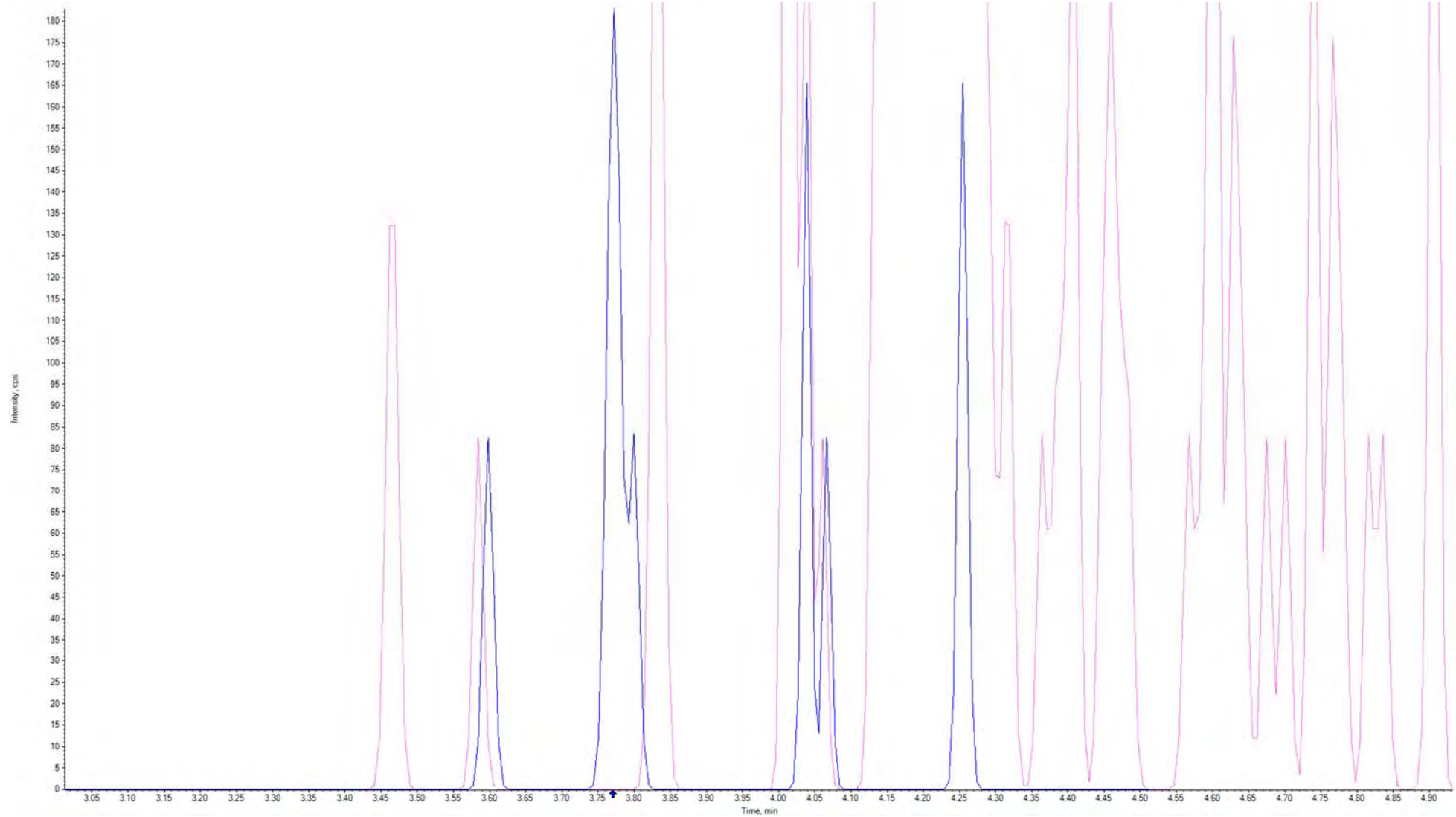

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/1/2025 8:37:00 AM
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PFOS
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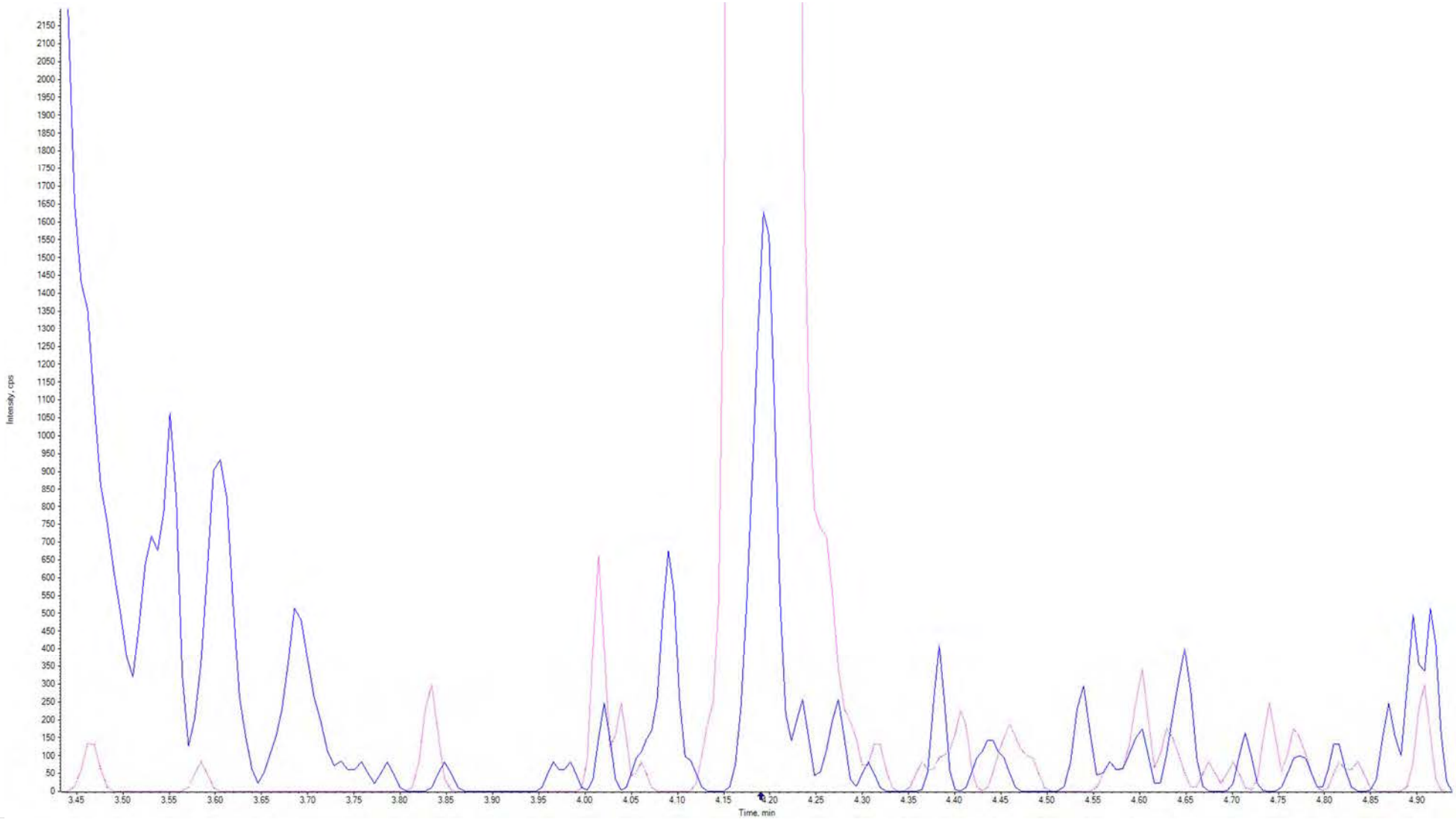

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFOS_2
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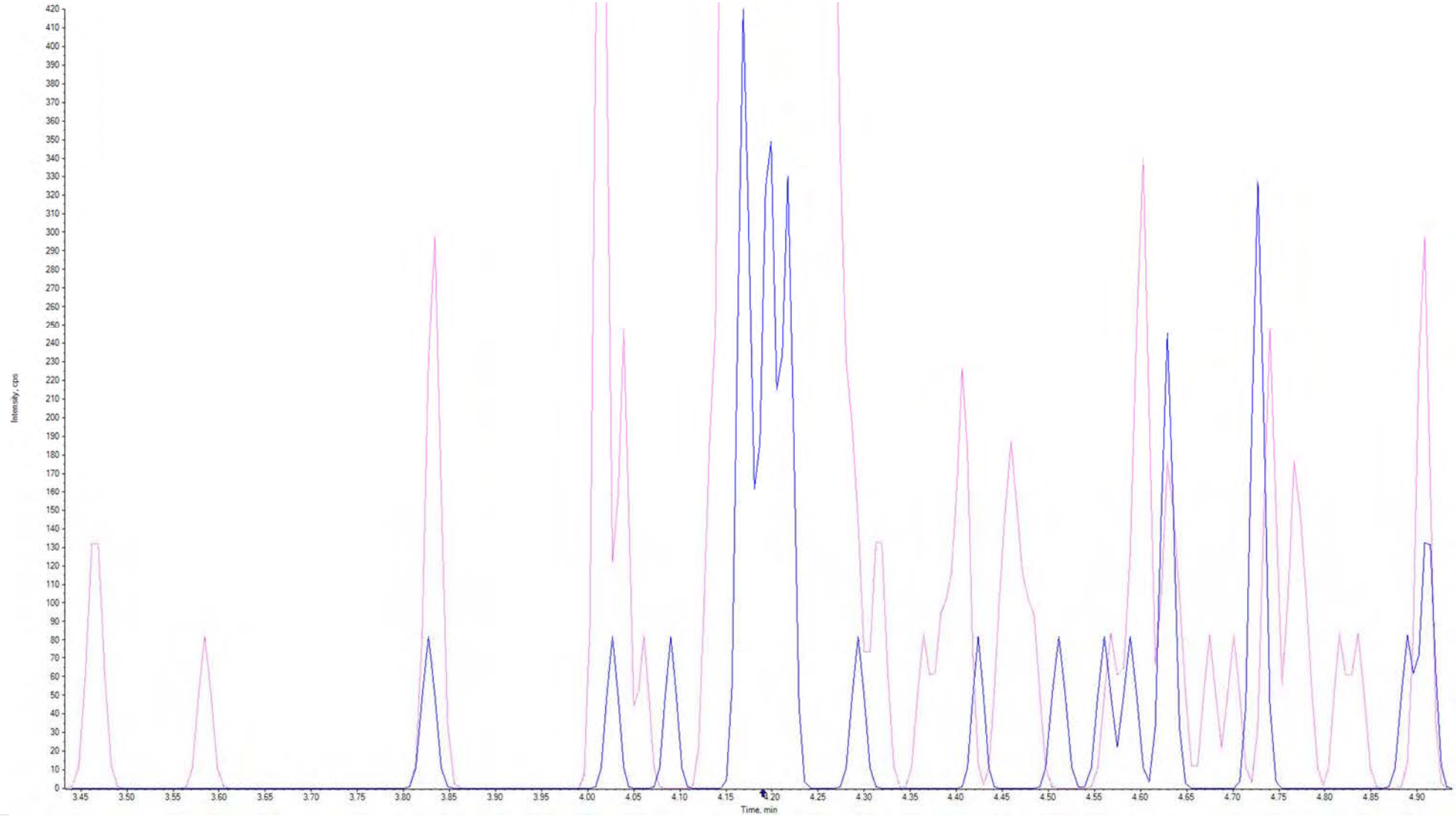

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Alpha Analytical LLC
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Generated: 3/1/2025 7:28:00 AM

PFNS
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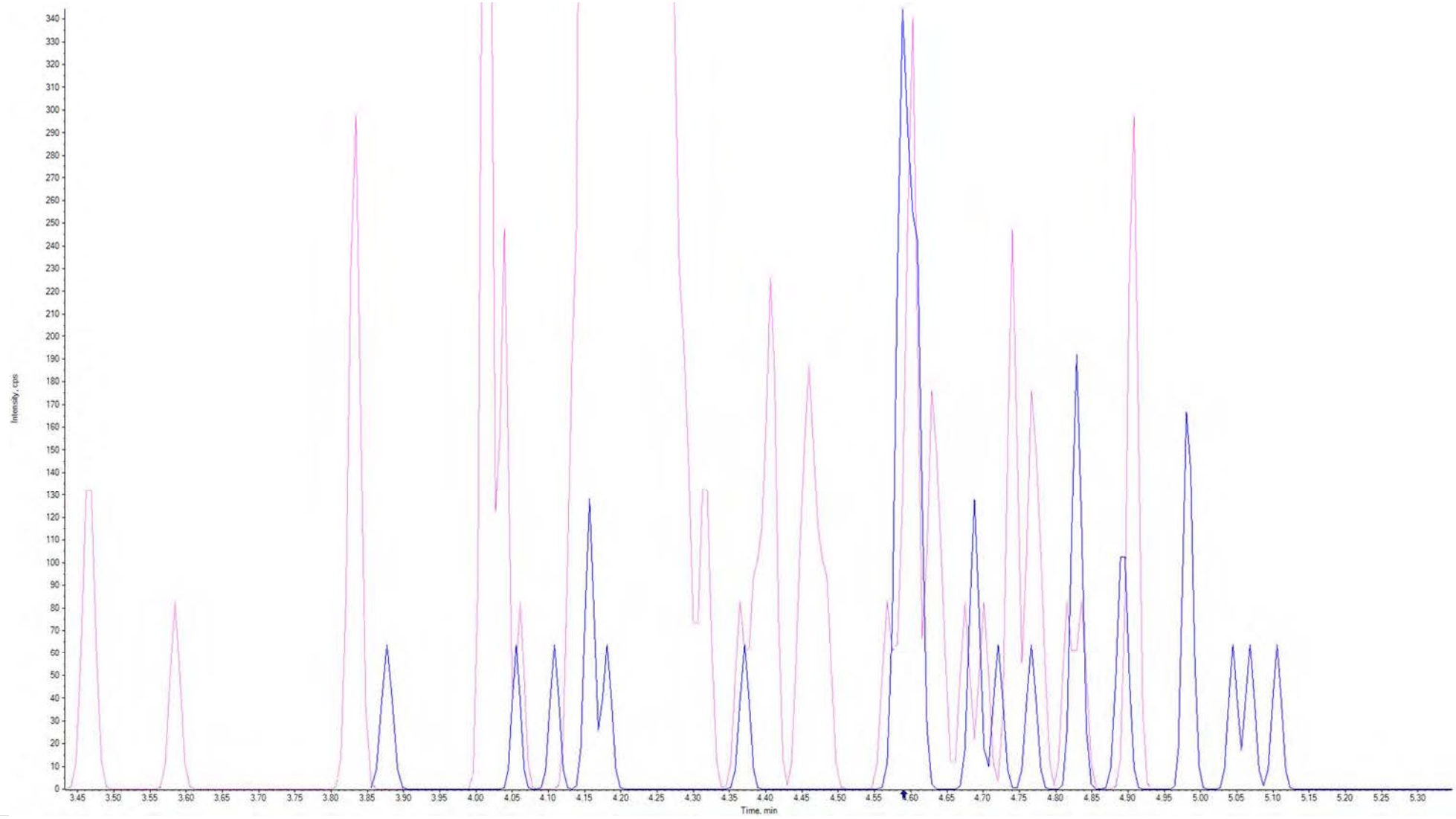

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Generated: 3/1/2025 7:28:00 AM

PFNS_2
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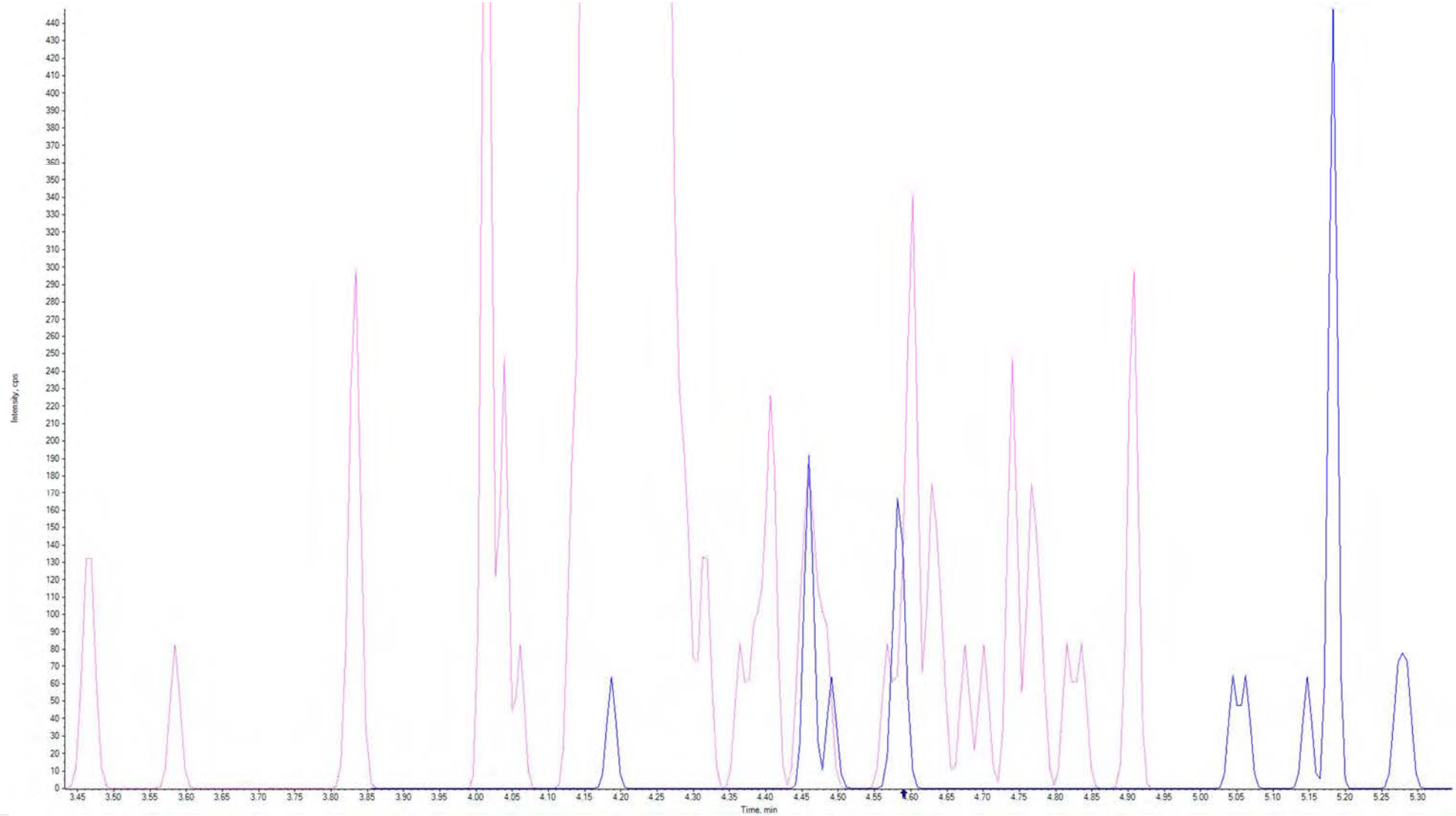

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Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFDS
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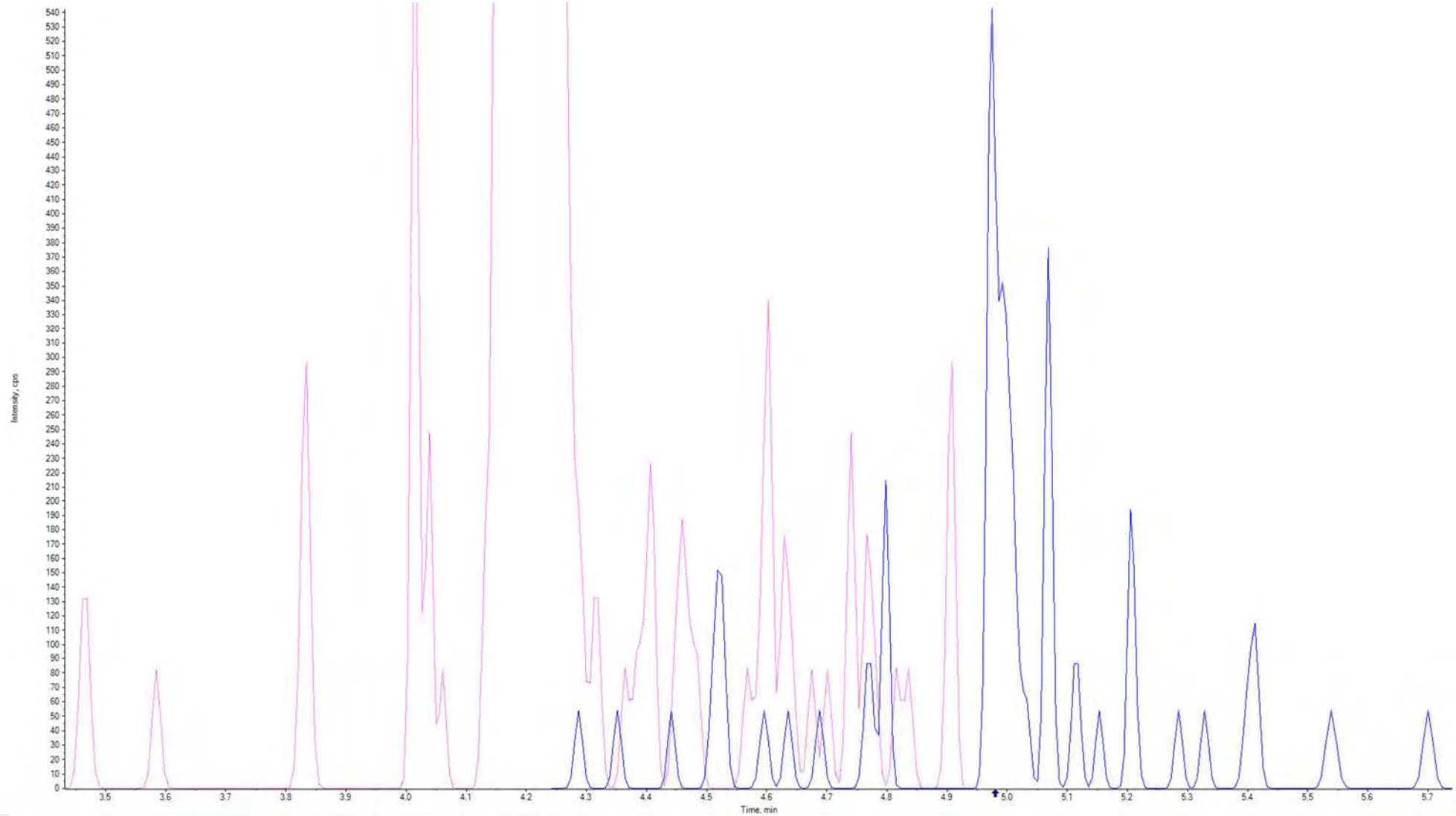

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFDS_2
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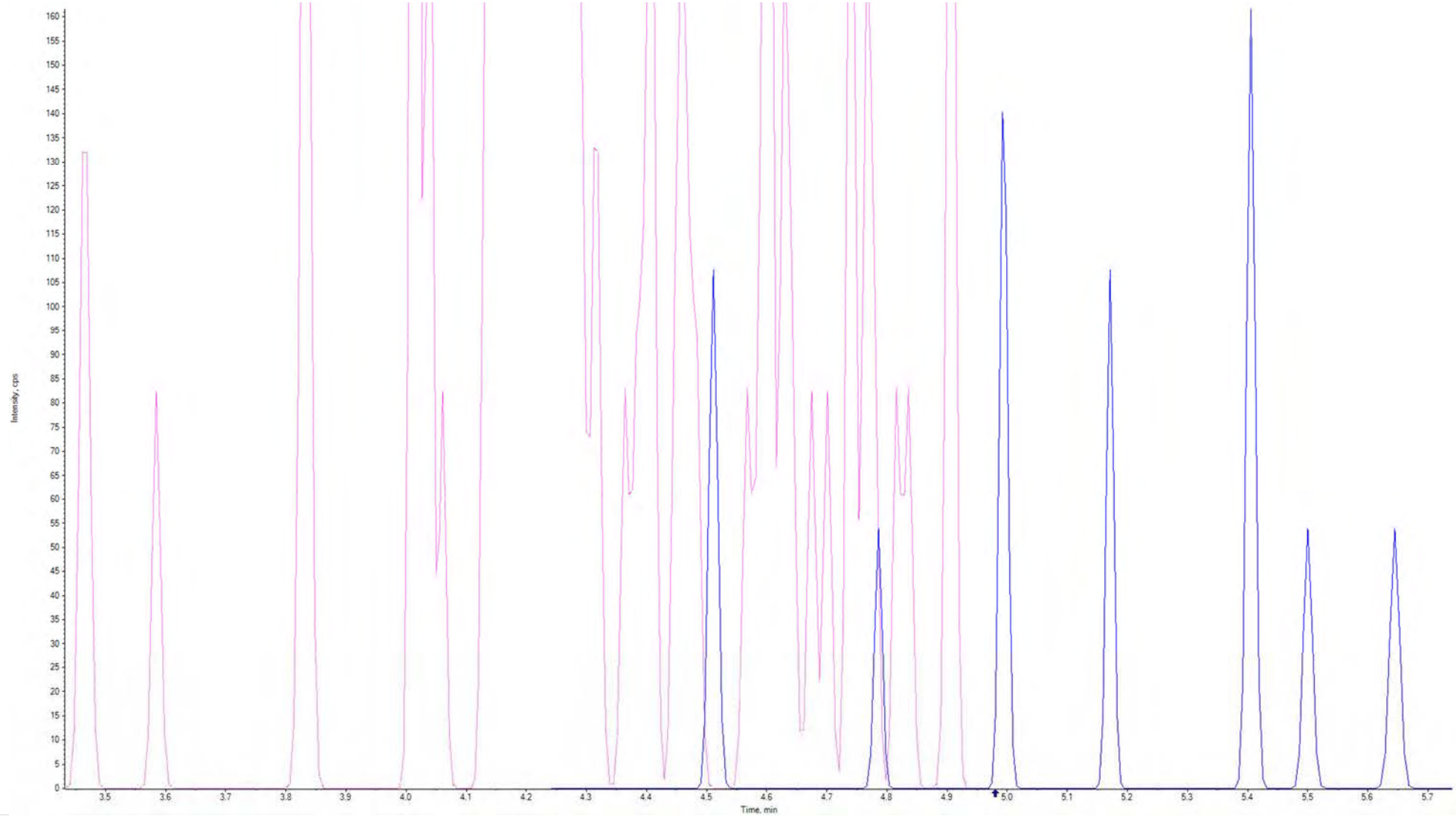

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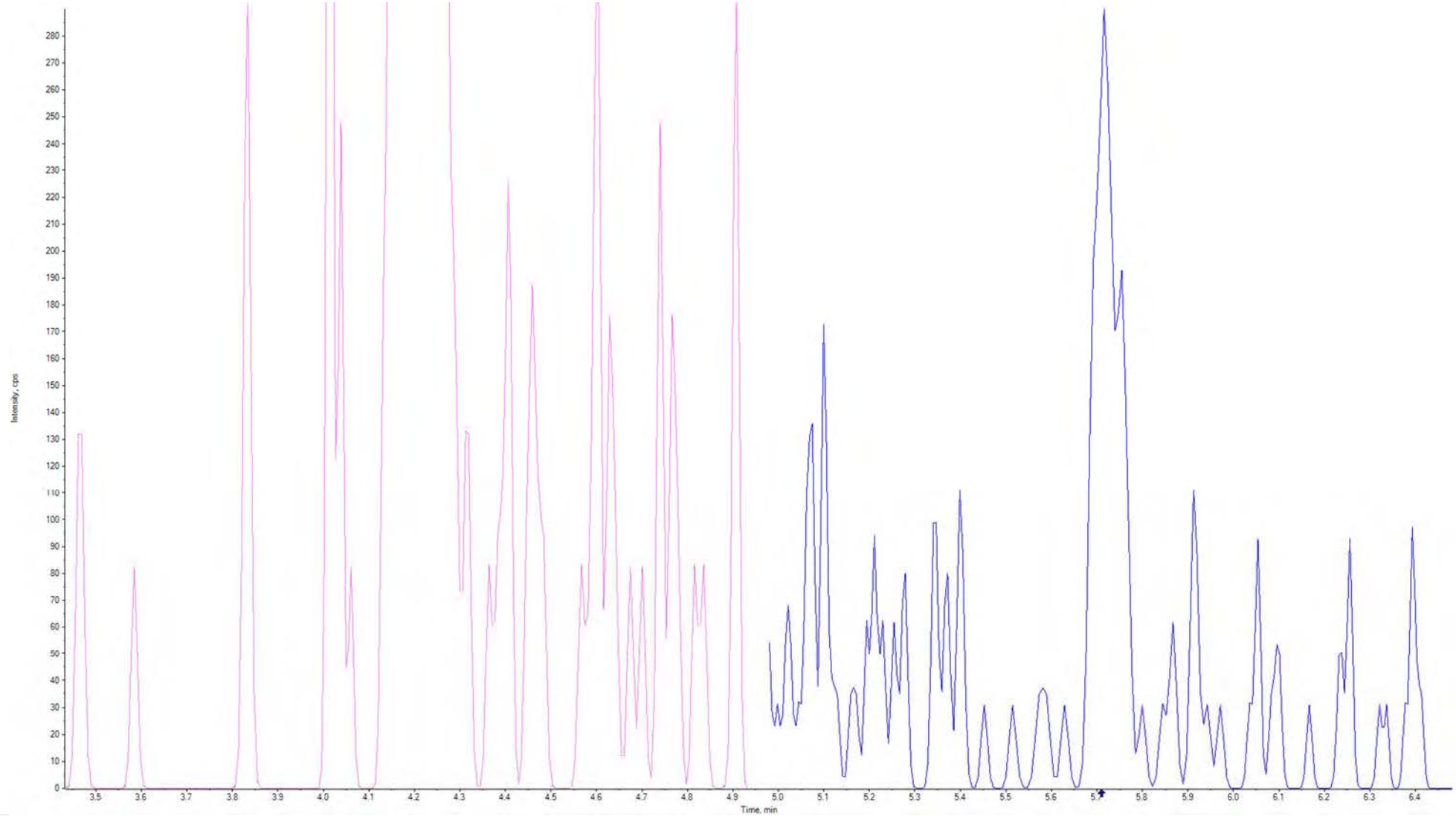

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFDoS_2
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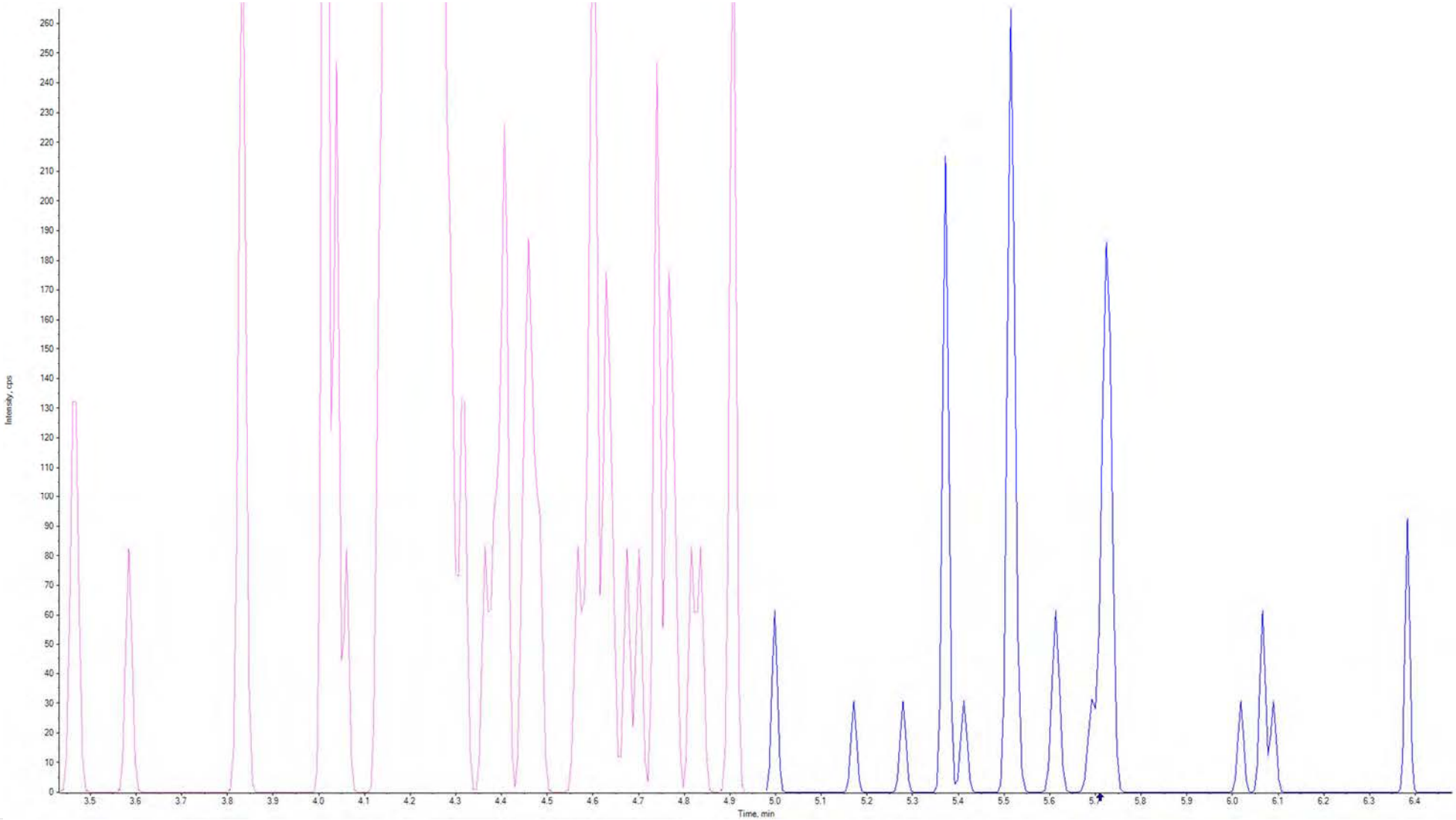

4:2FTS
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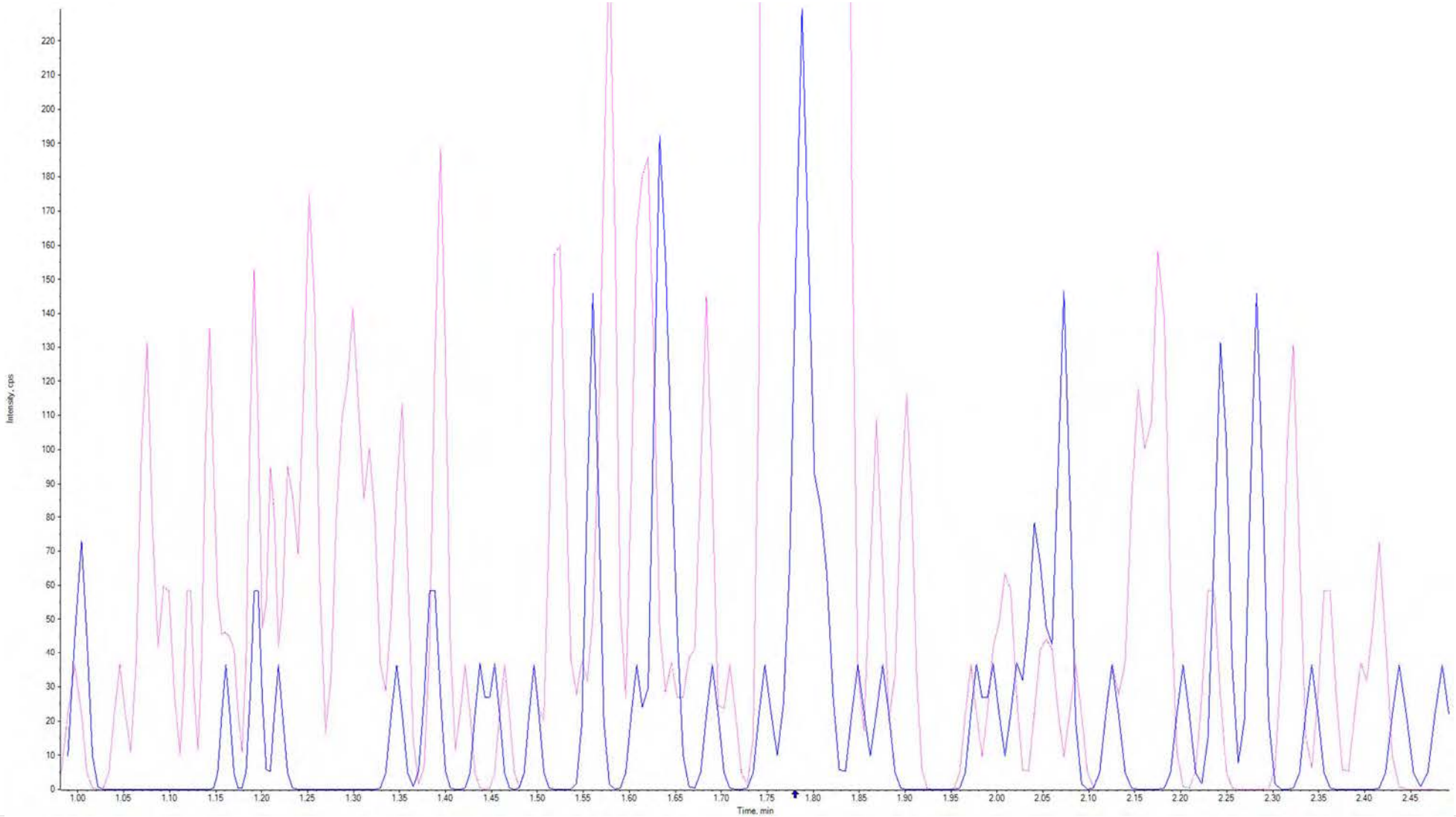

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Generated: 3/1/2025 7:28:00 AM

4:2FTS_2
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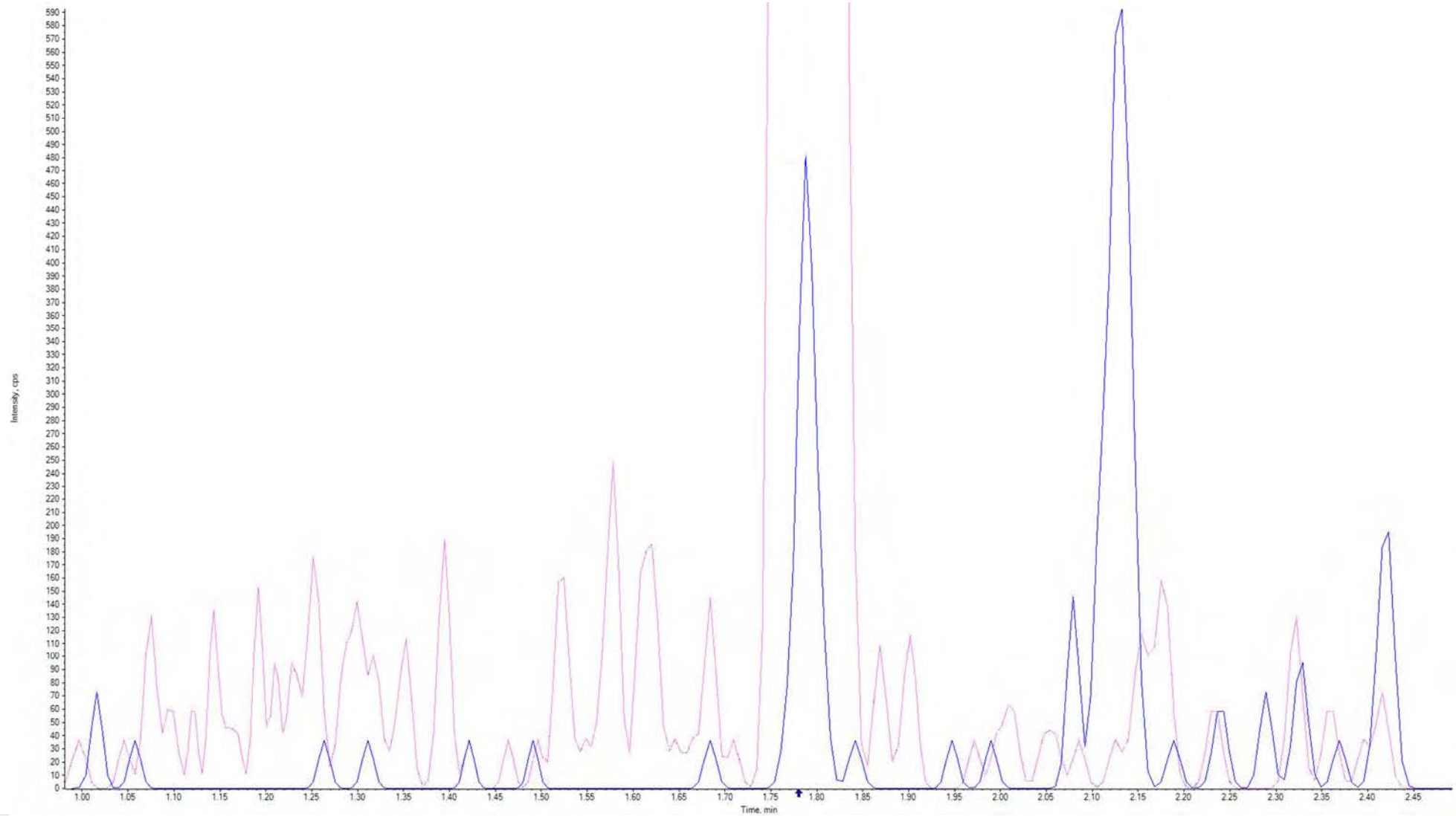

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

6:2FTS
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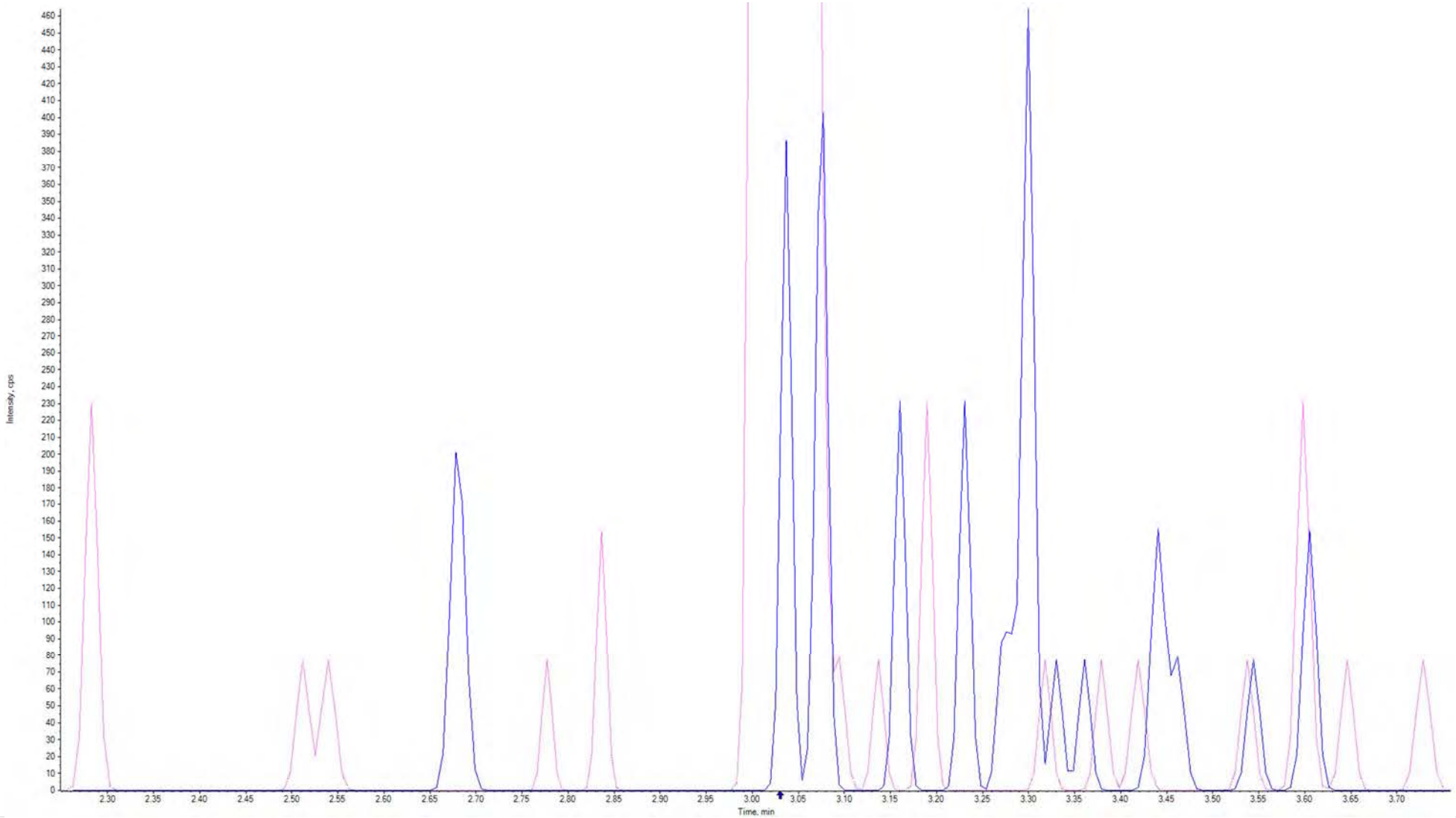

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Generated: 3/1/2025 7:28:00 AM

6:2FTS_2
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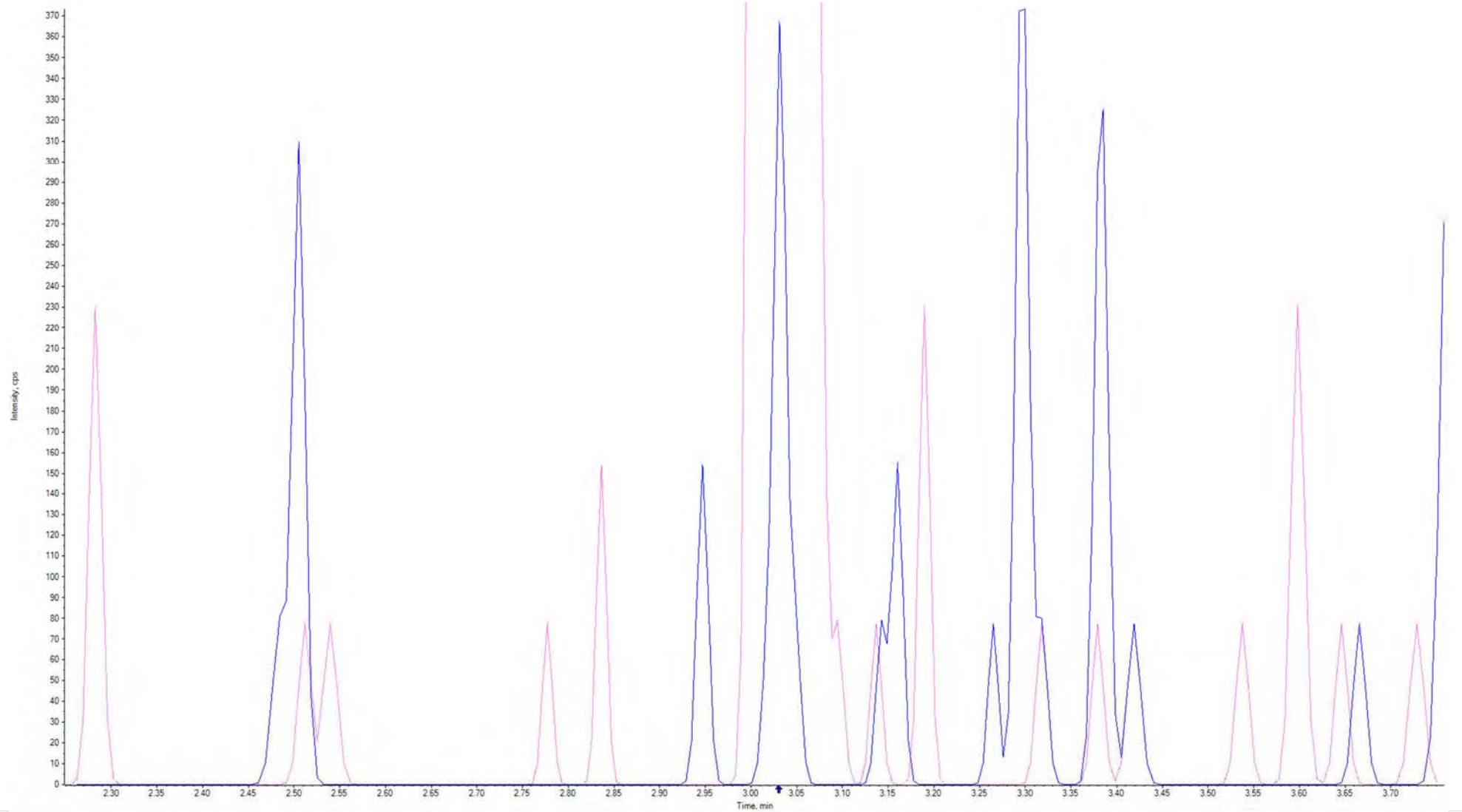

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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8:2FTS
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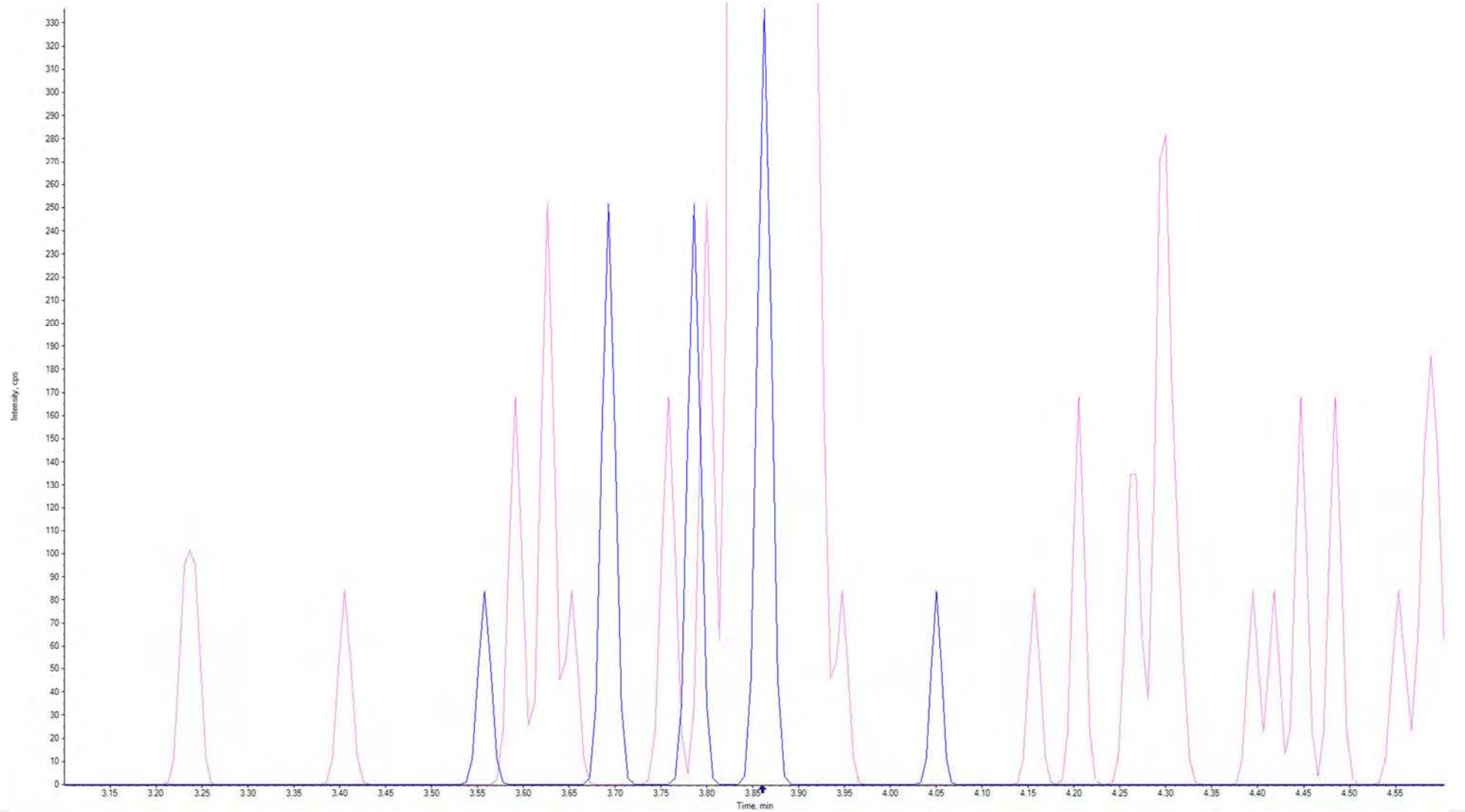

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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8:2FTS_2
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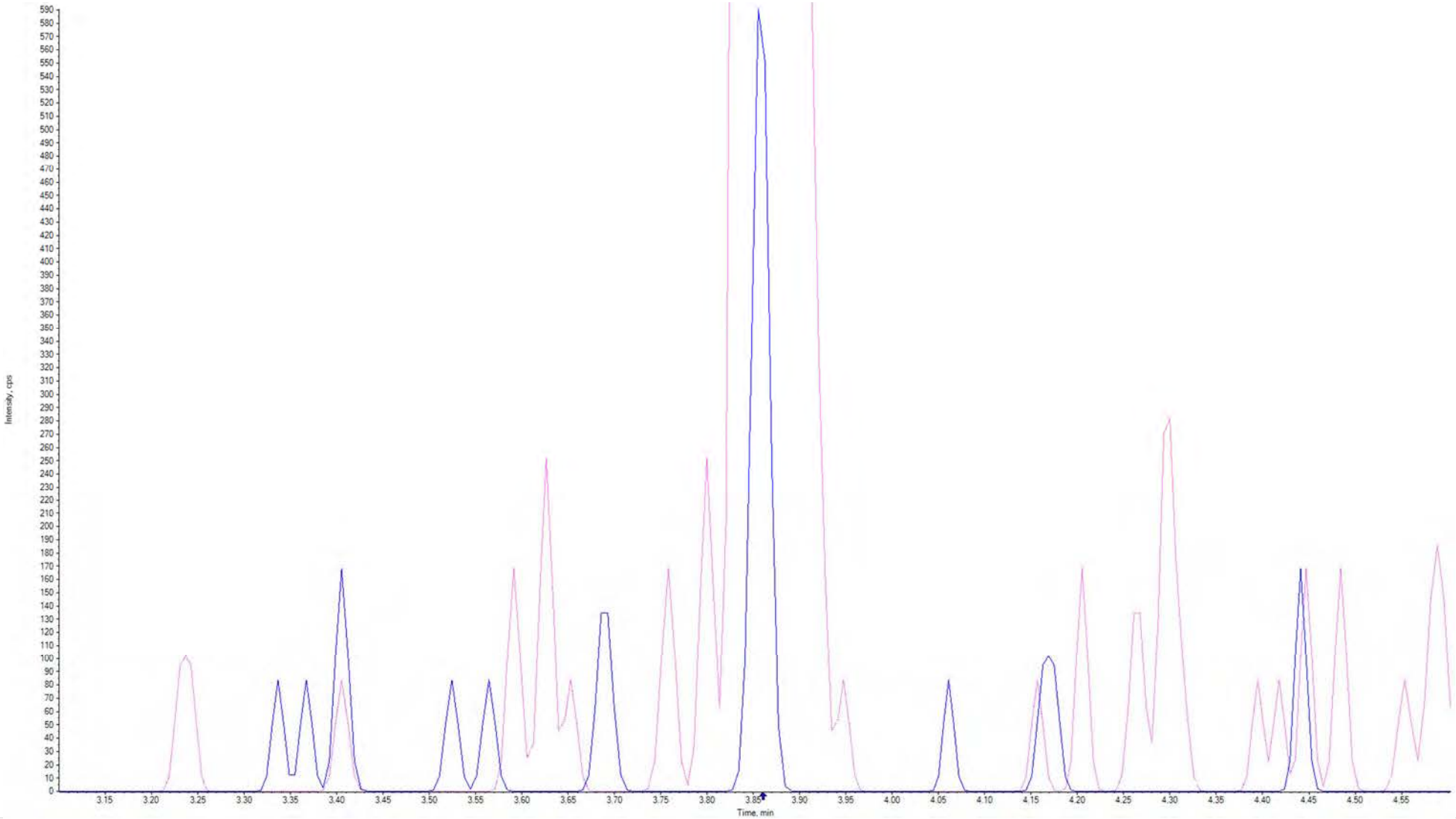

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFOSA
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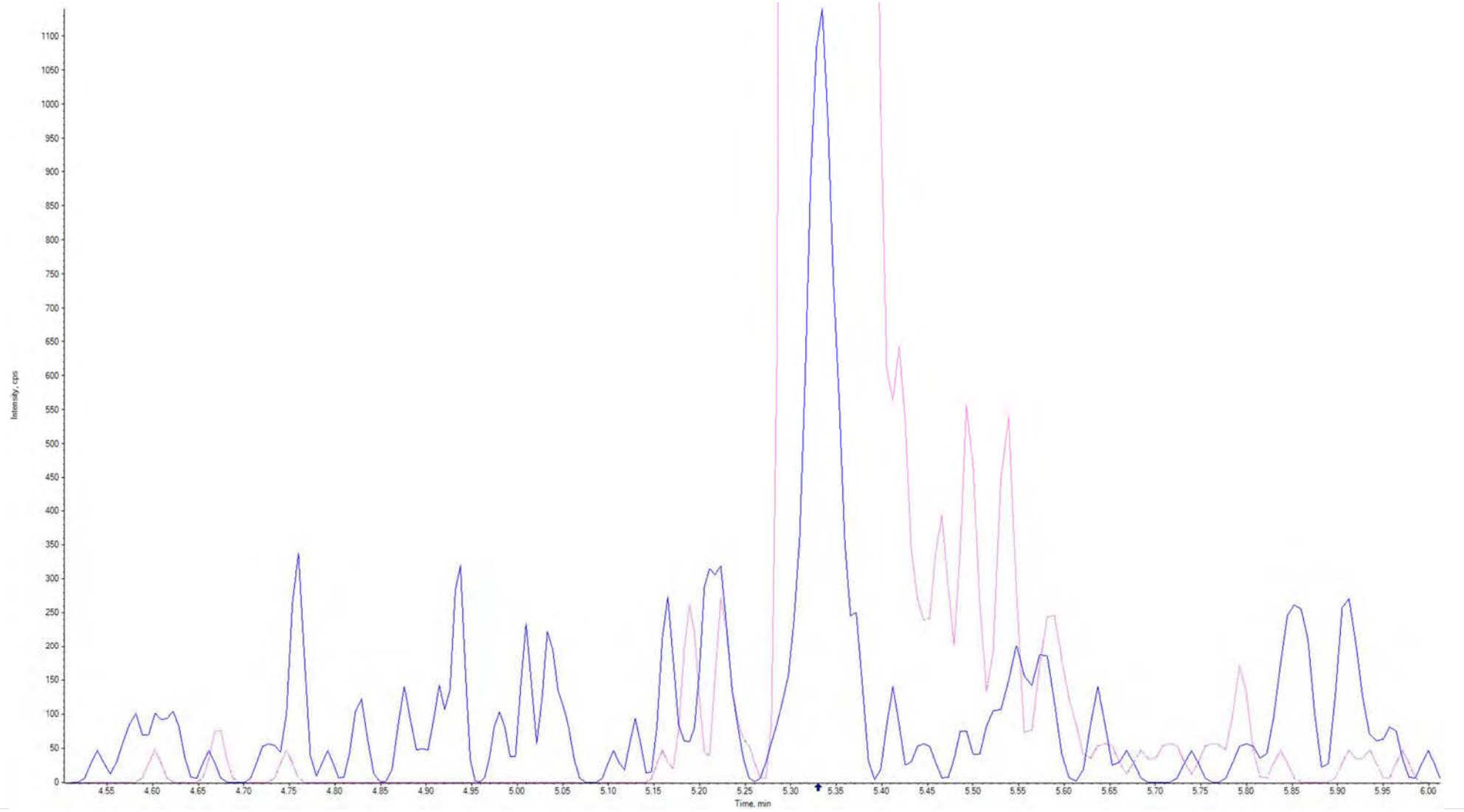

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Last Altered: 3/1/2025 8:37:00 AM
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PFOSA_2
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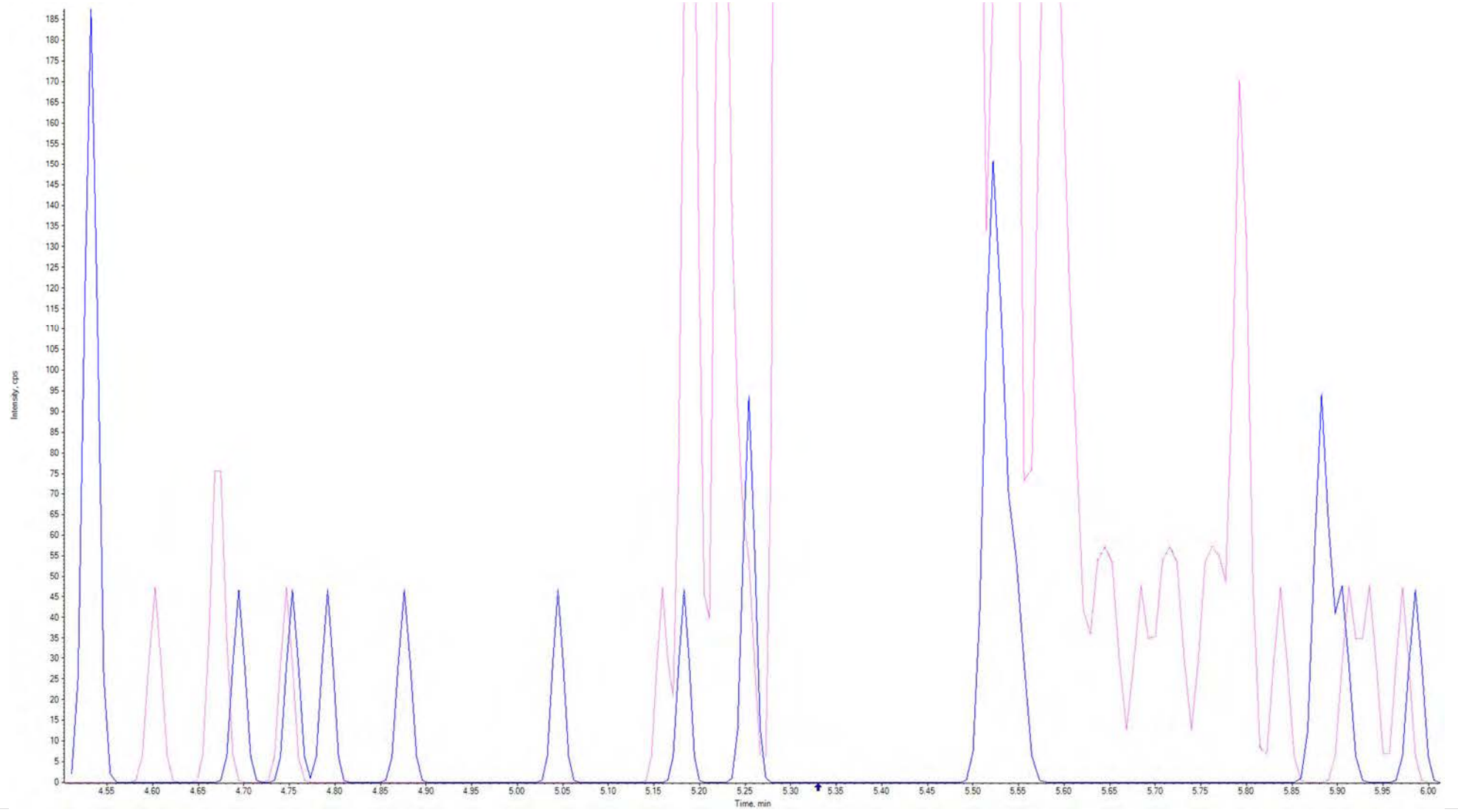

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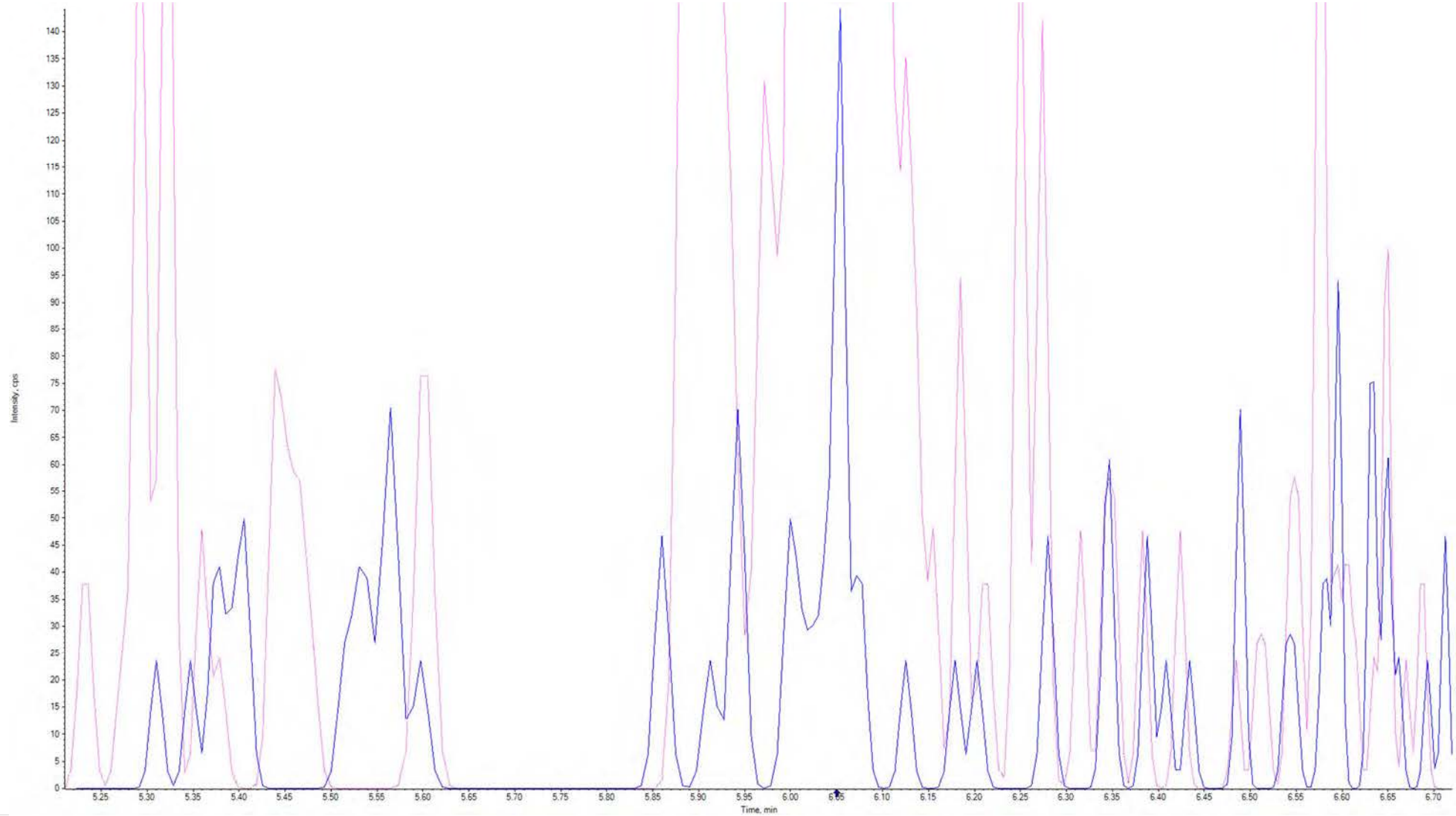

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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NMeFOSA_2
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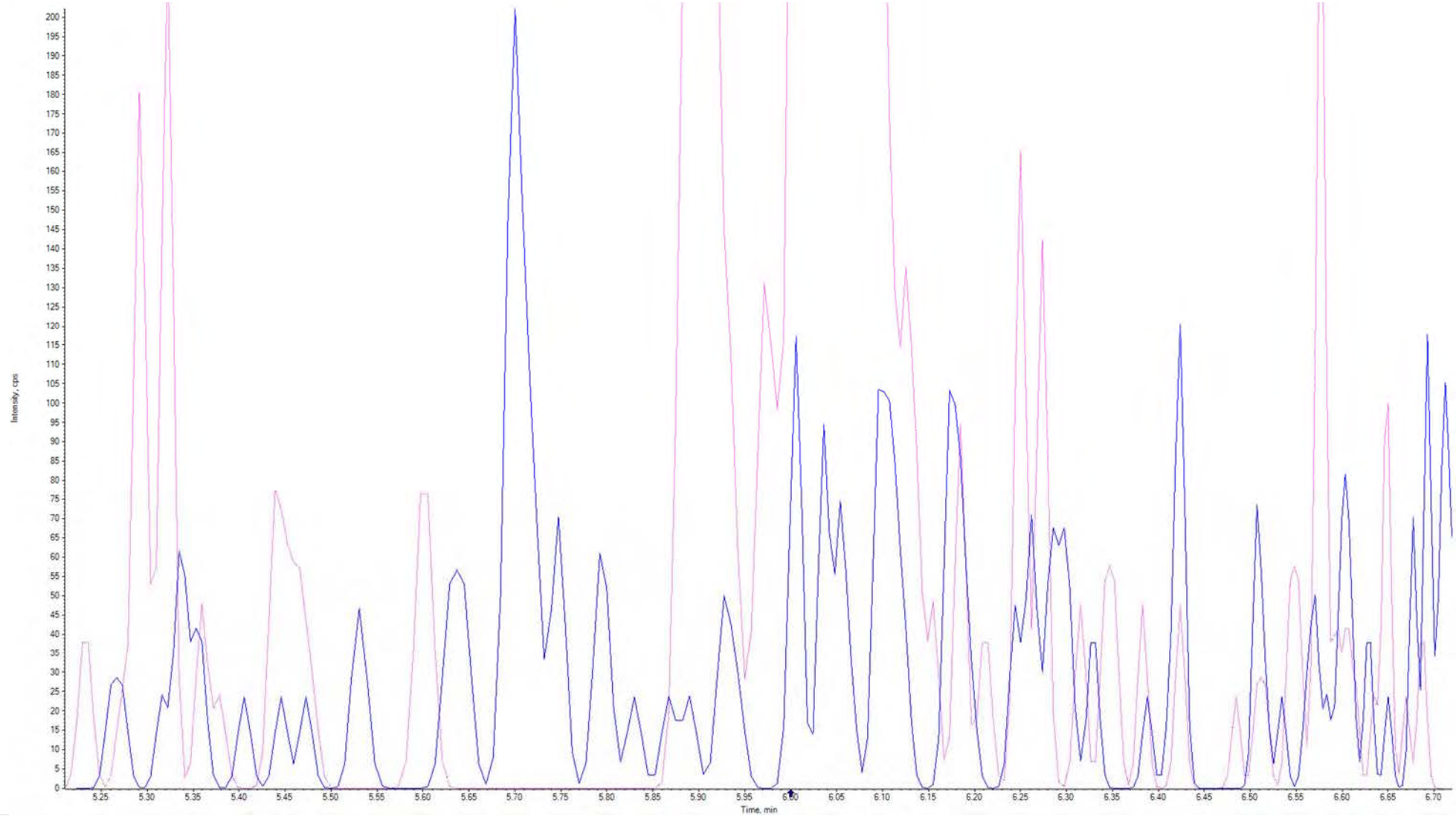

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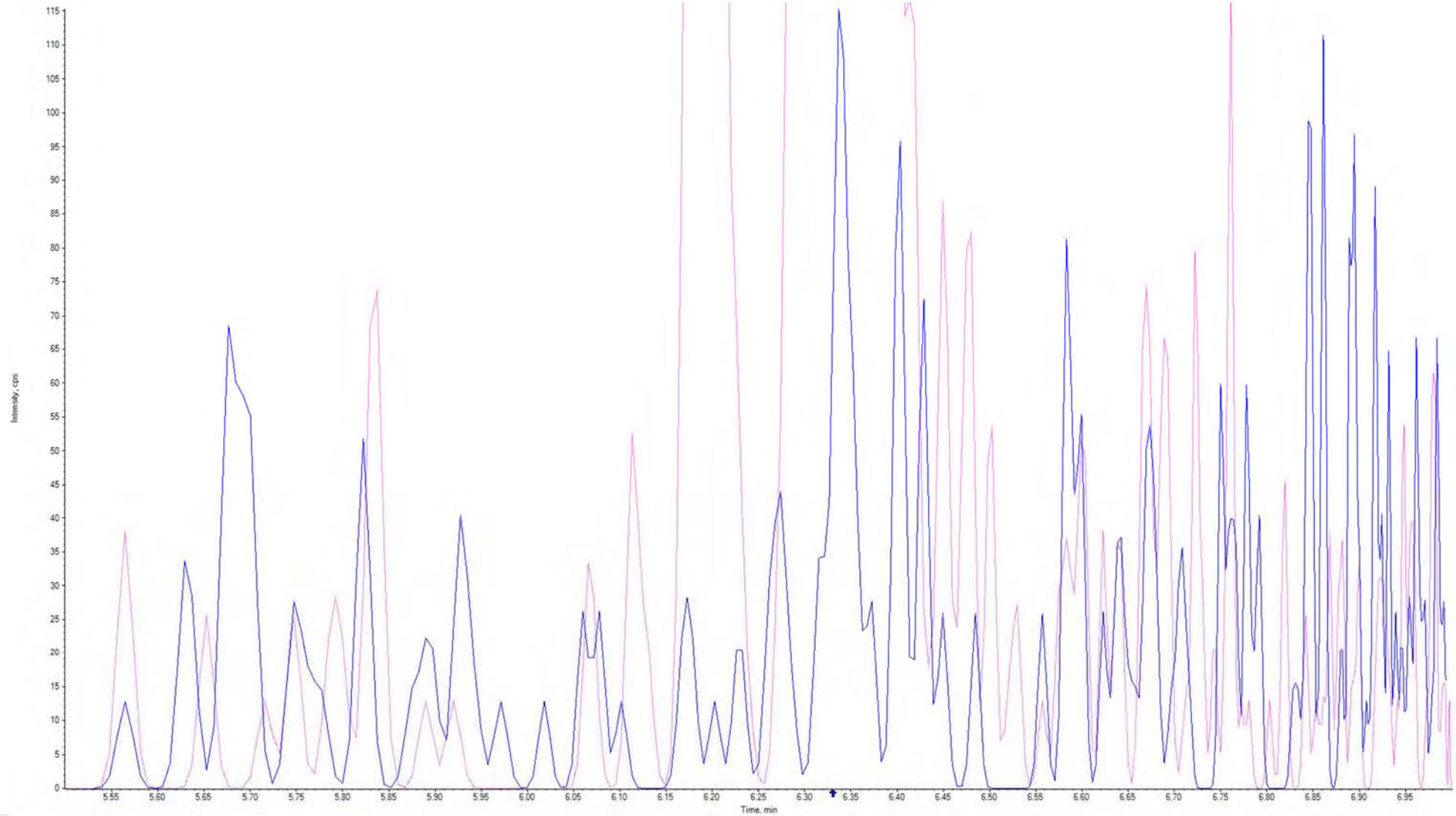

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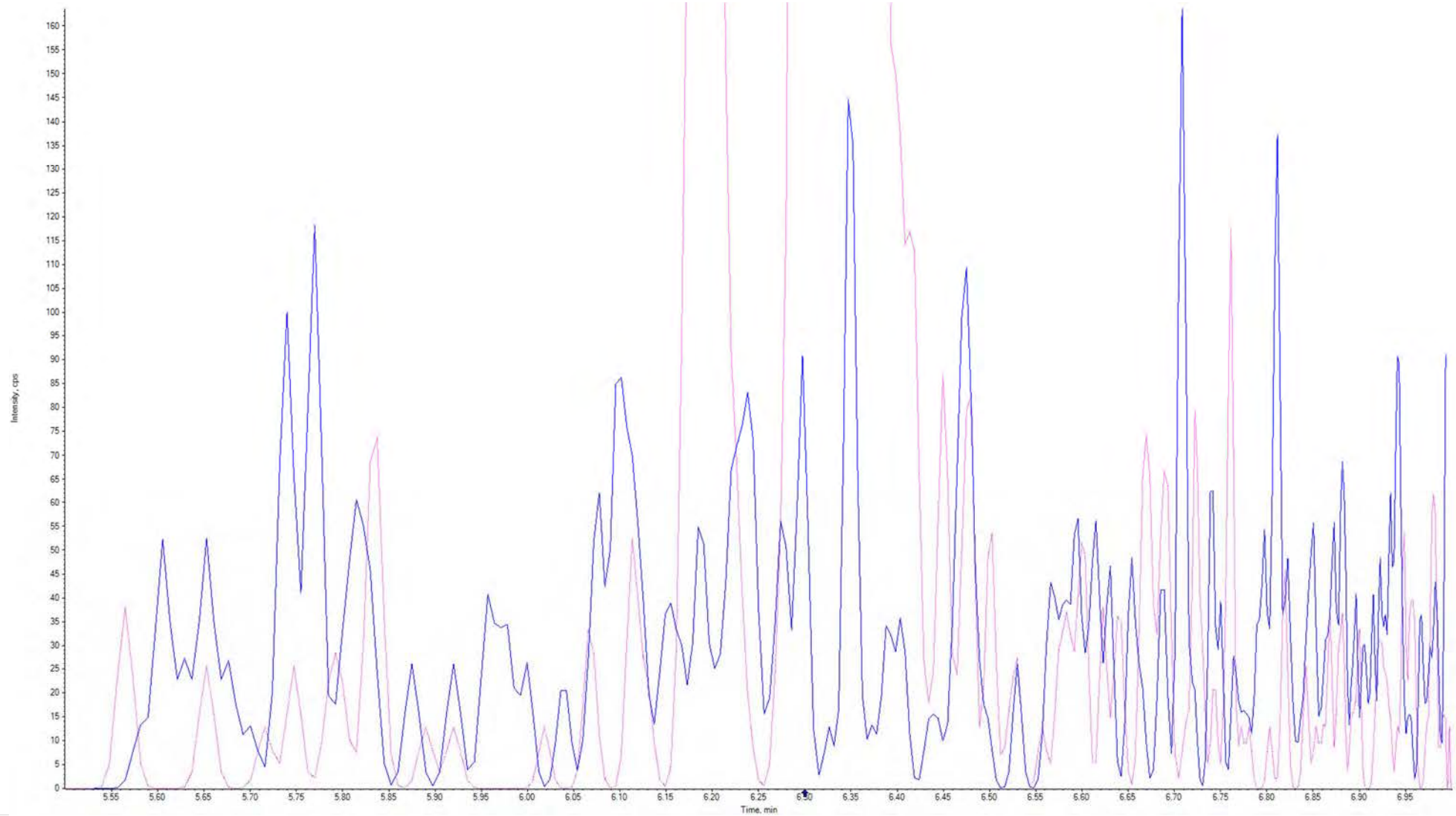

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NMeFOSAA
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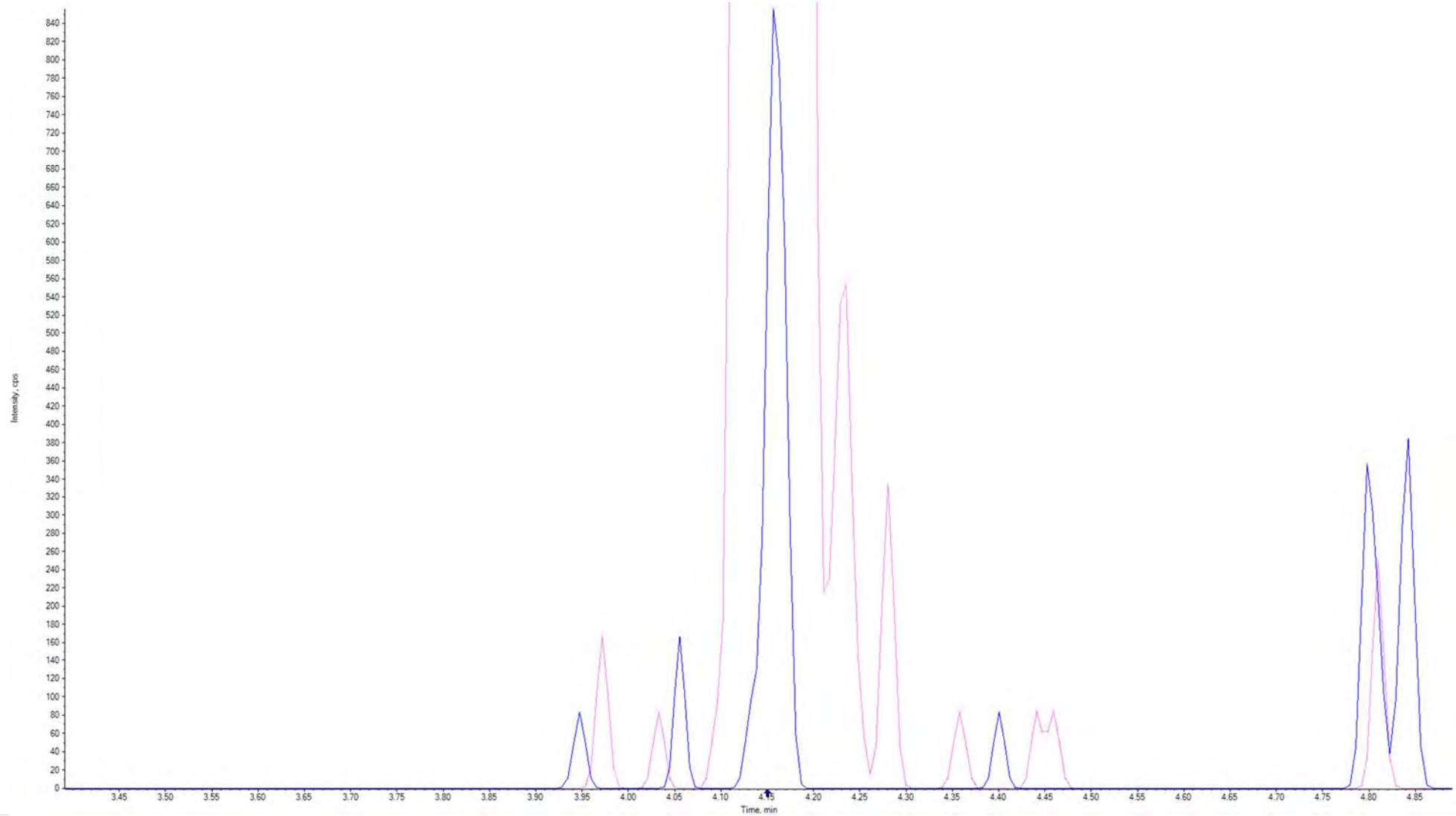

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Generated: 3/1/2025 7:28:00 AM

NMeFOSAA_2
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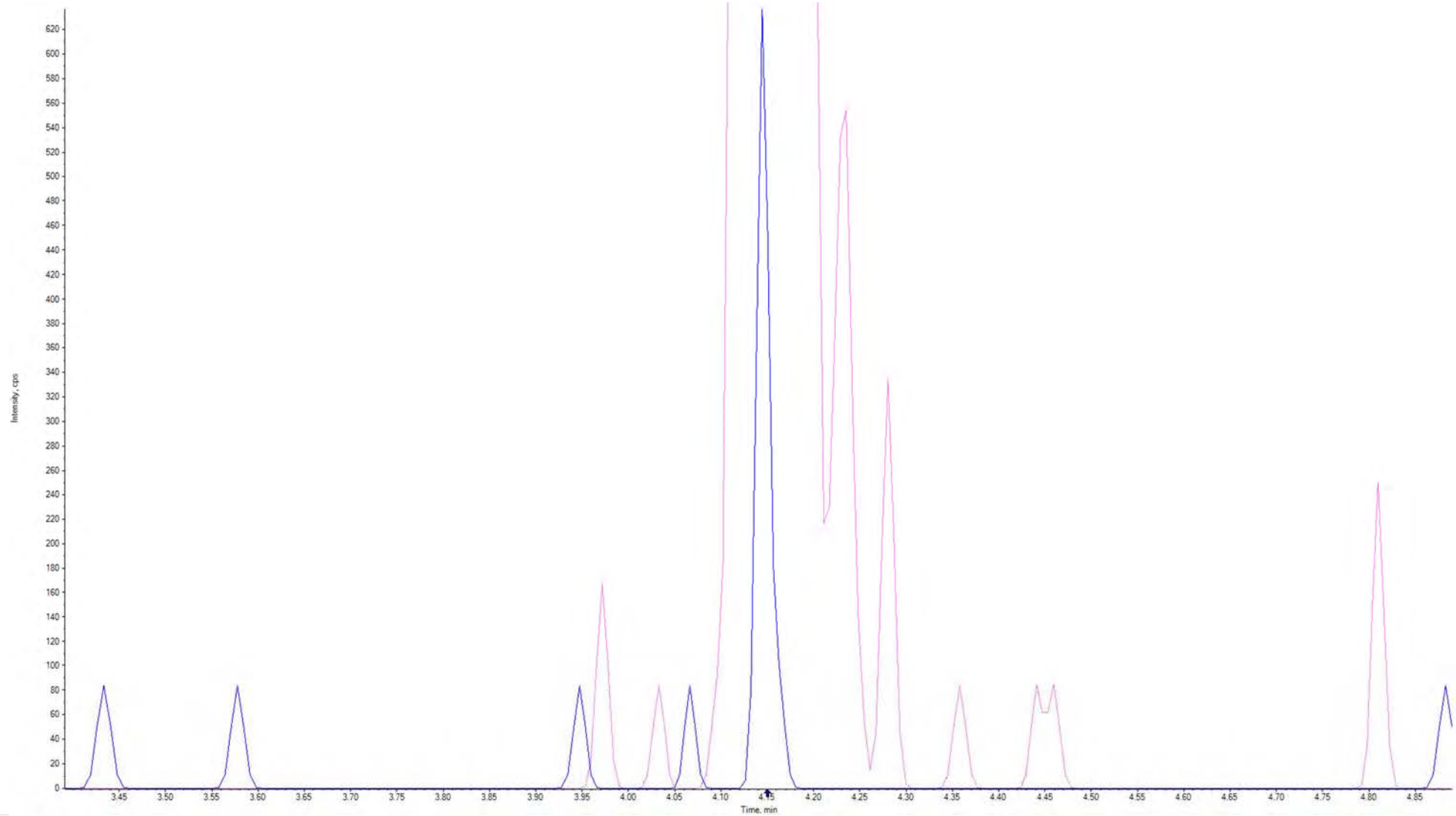

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Generated: 3/1/2025 7:28:00 AM

NEtFOSAA
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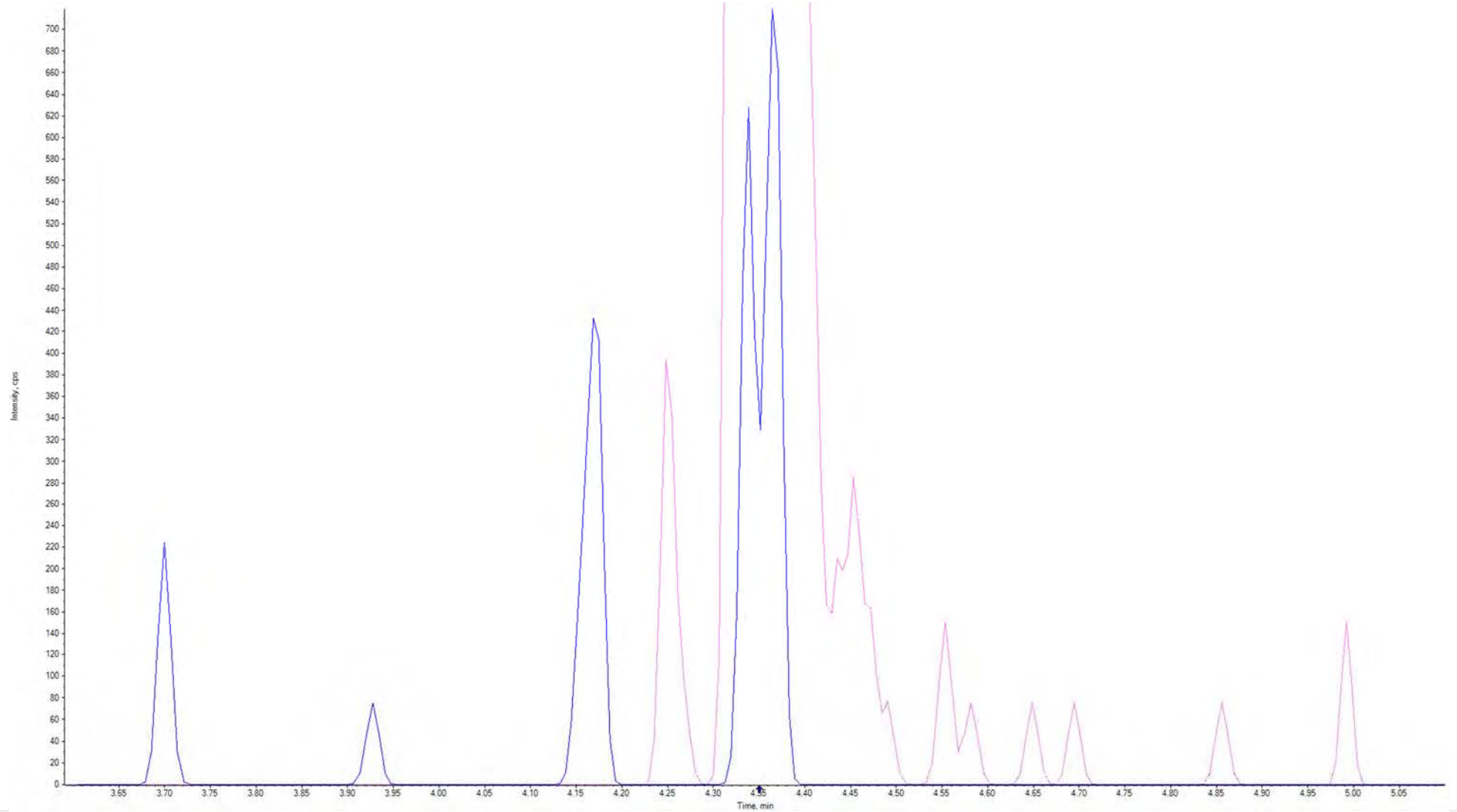

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NEtFOSAA_2
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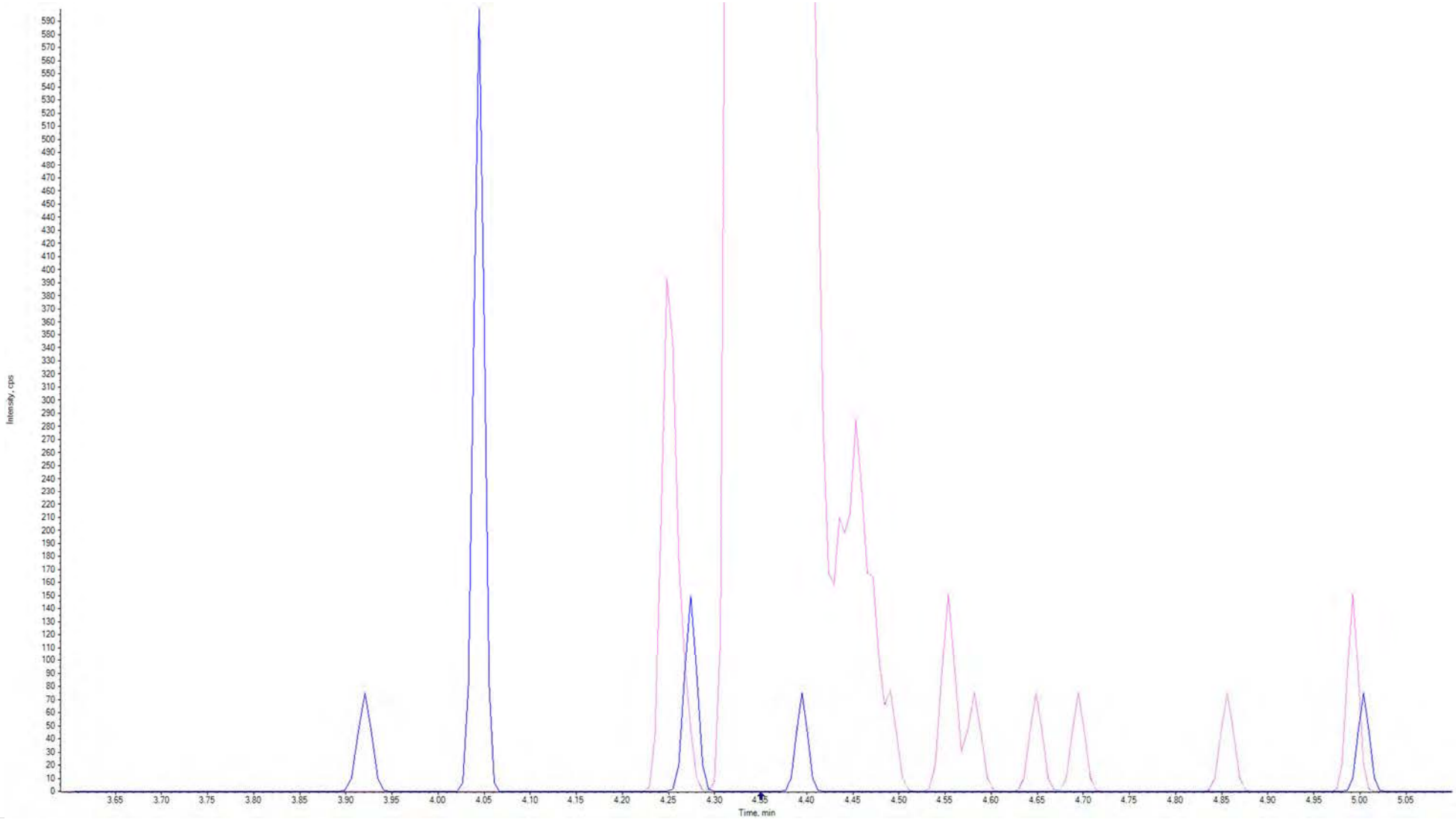

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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NMeFOSE
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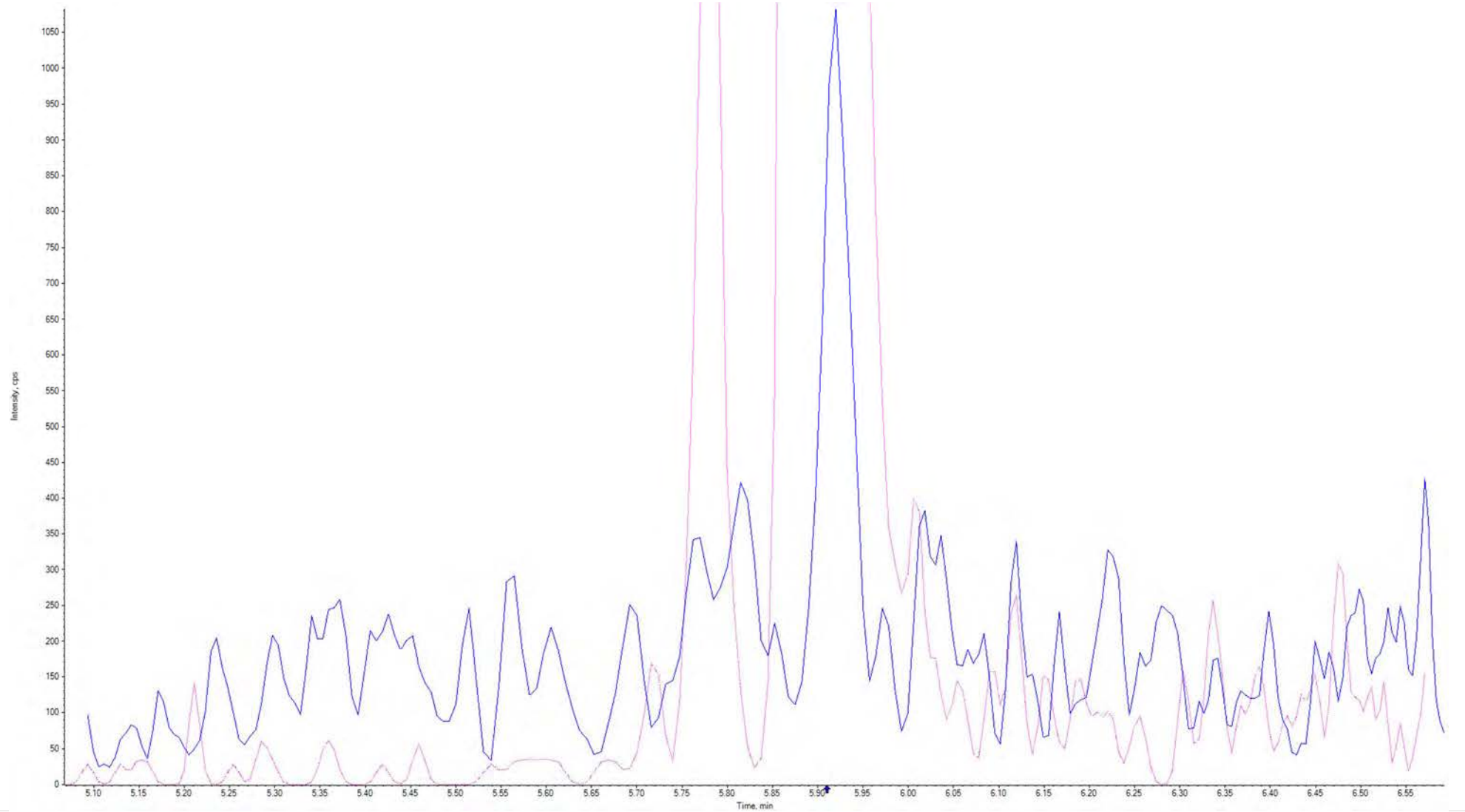

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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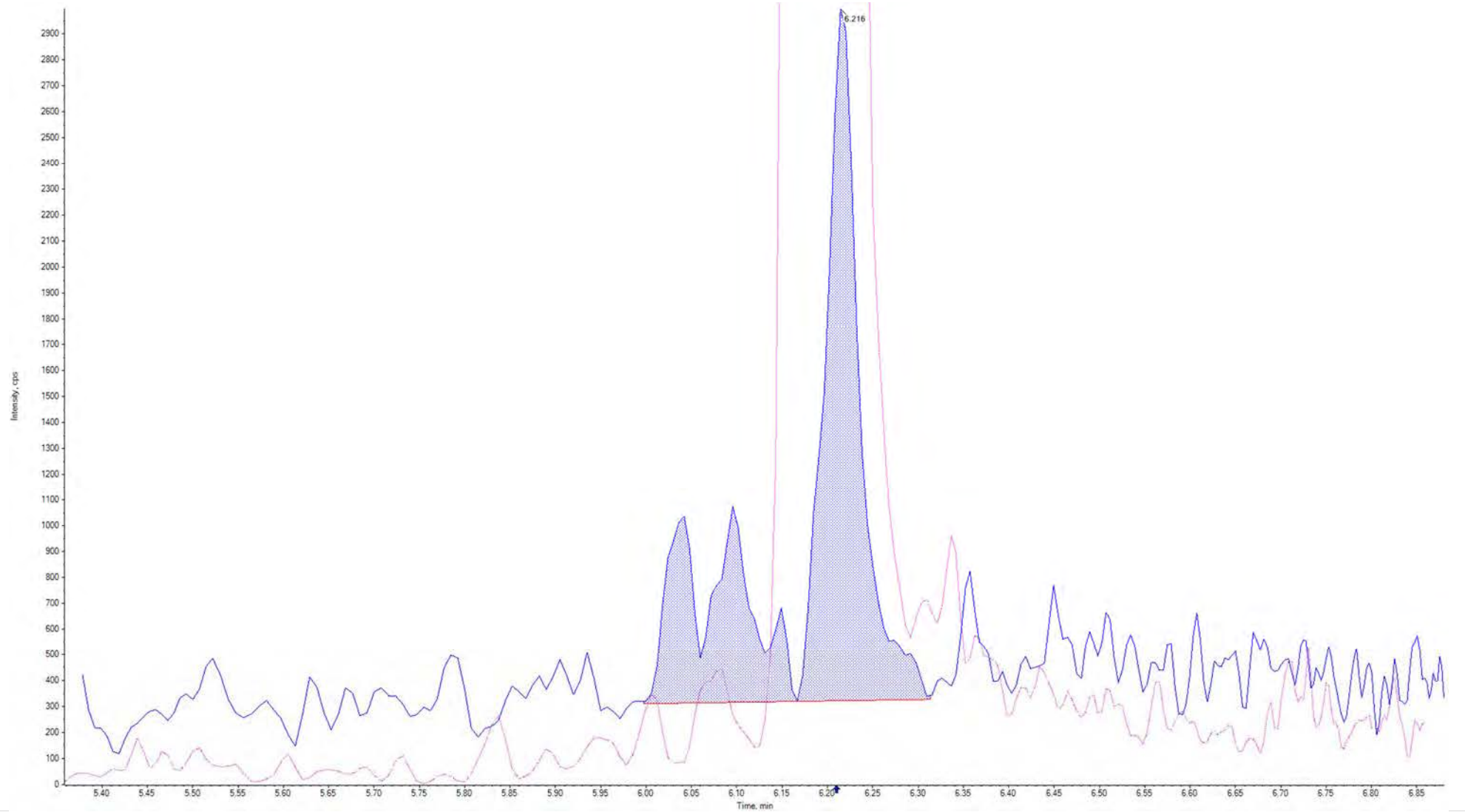
NEtFOSE
Sample: WG2035470-2,INSTBLANK S/N:44.6 Points Across peak:55



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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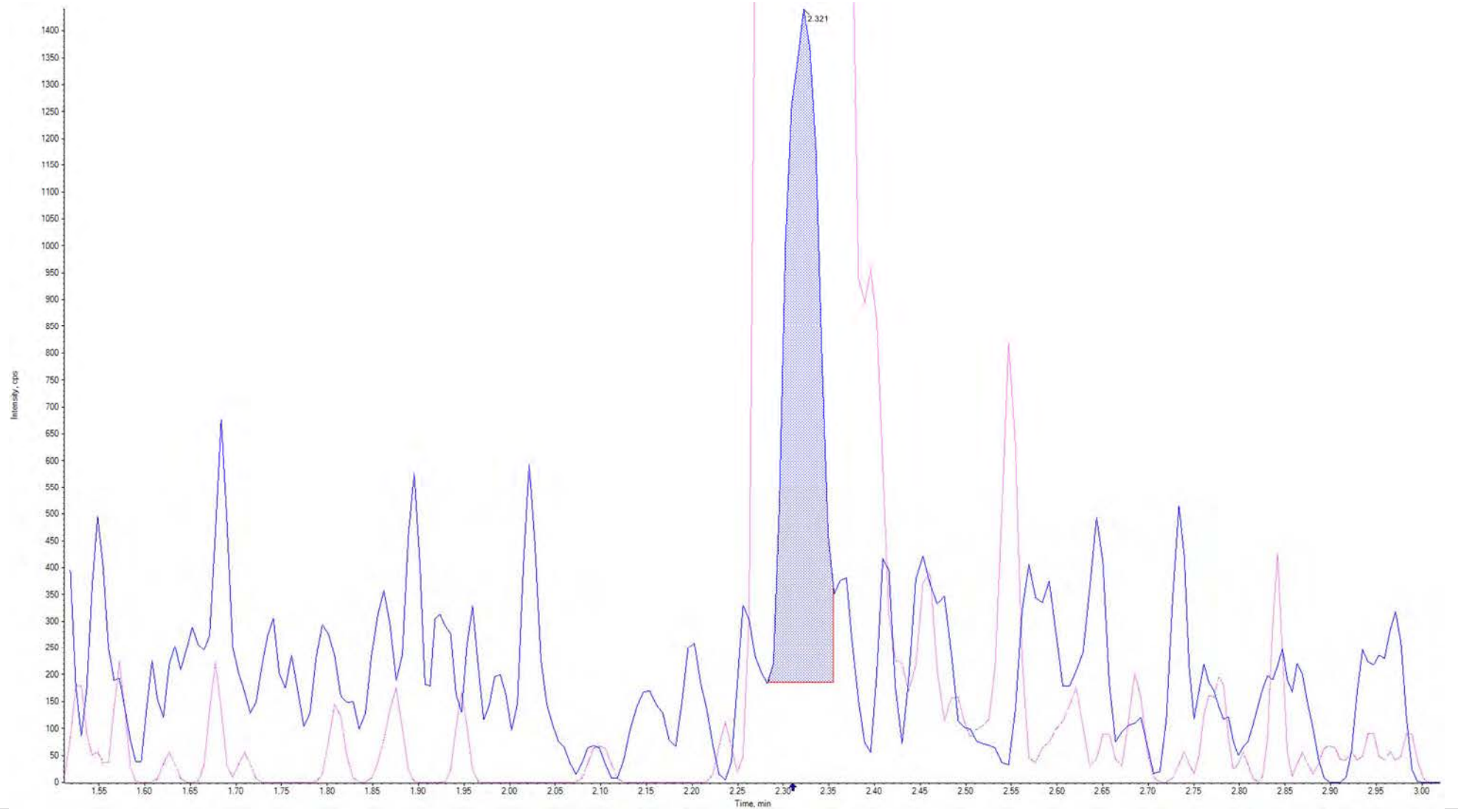
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

HFPO-DA
Sample: WG2035470-2,INSTBLANK S/N:22.0 Points Across peak:12



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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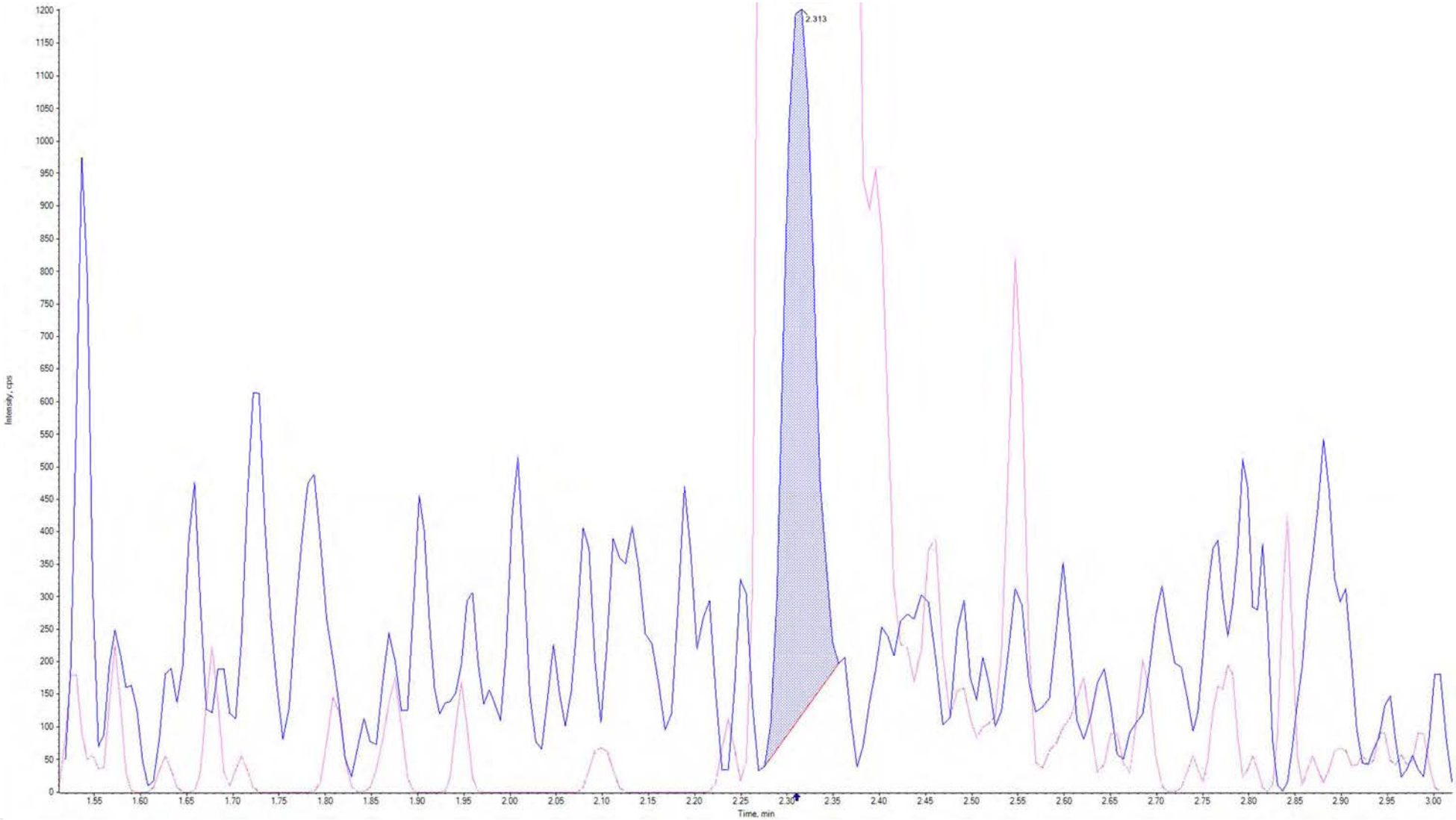
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

HFPO-DA_2
Sample: WG2035470-2,INSTBLANK S/N:19.1 Points Across peak:13



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

ADONA
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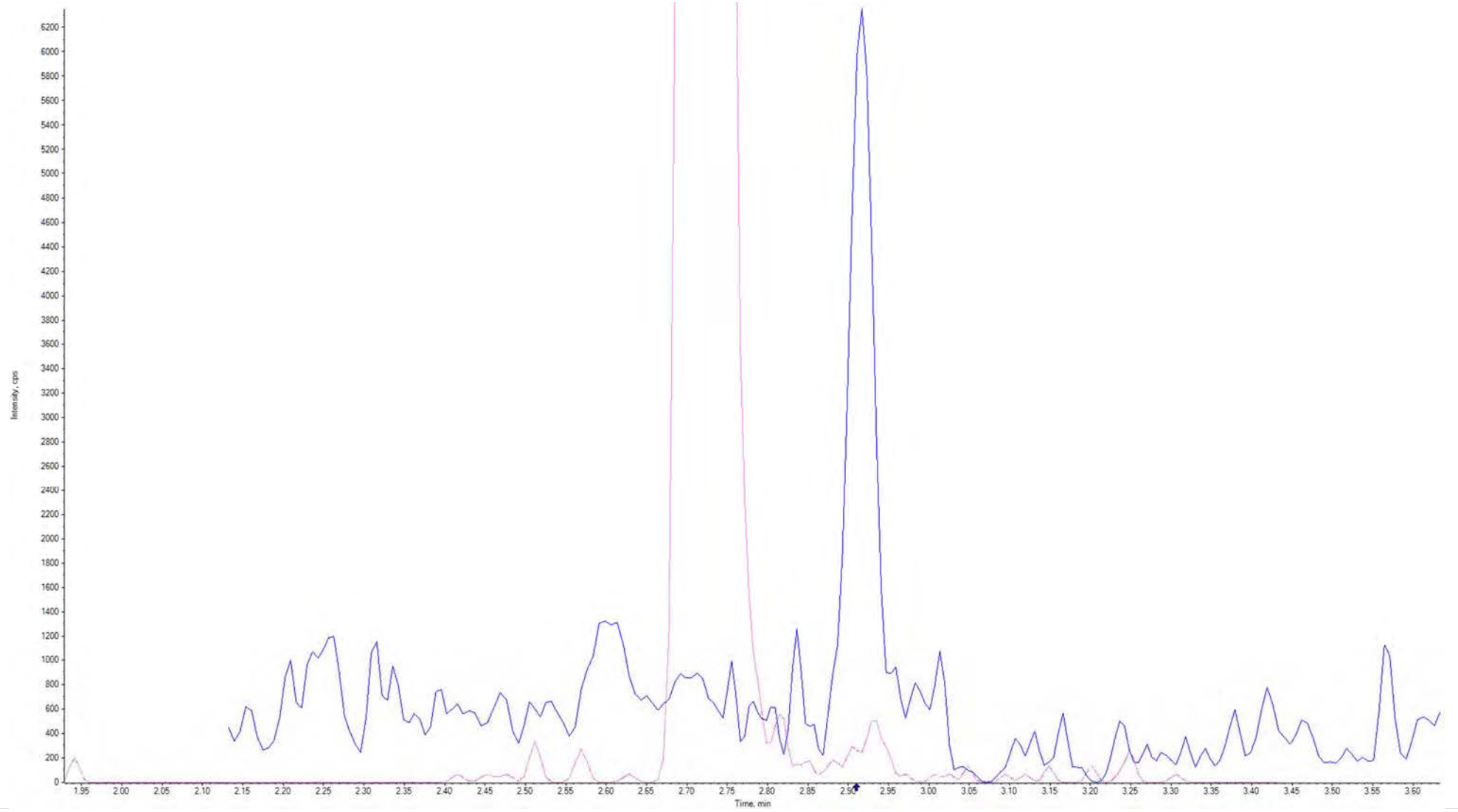

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Generated: 3/1/2025 7:28:00 AM

ADONA_2
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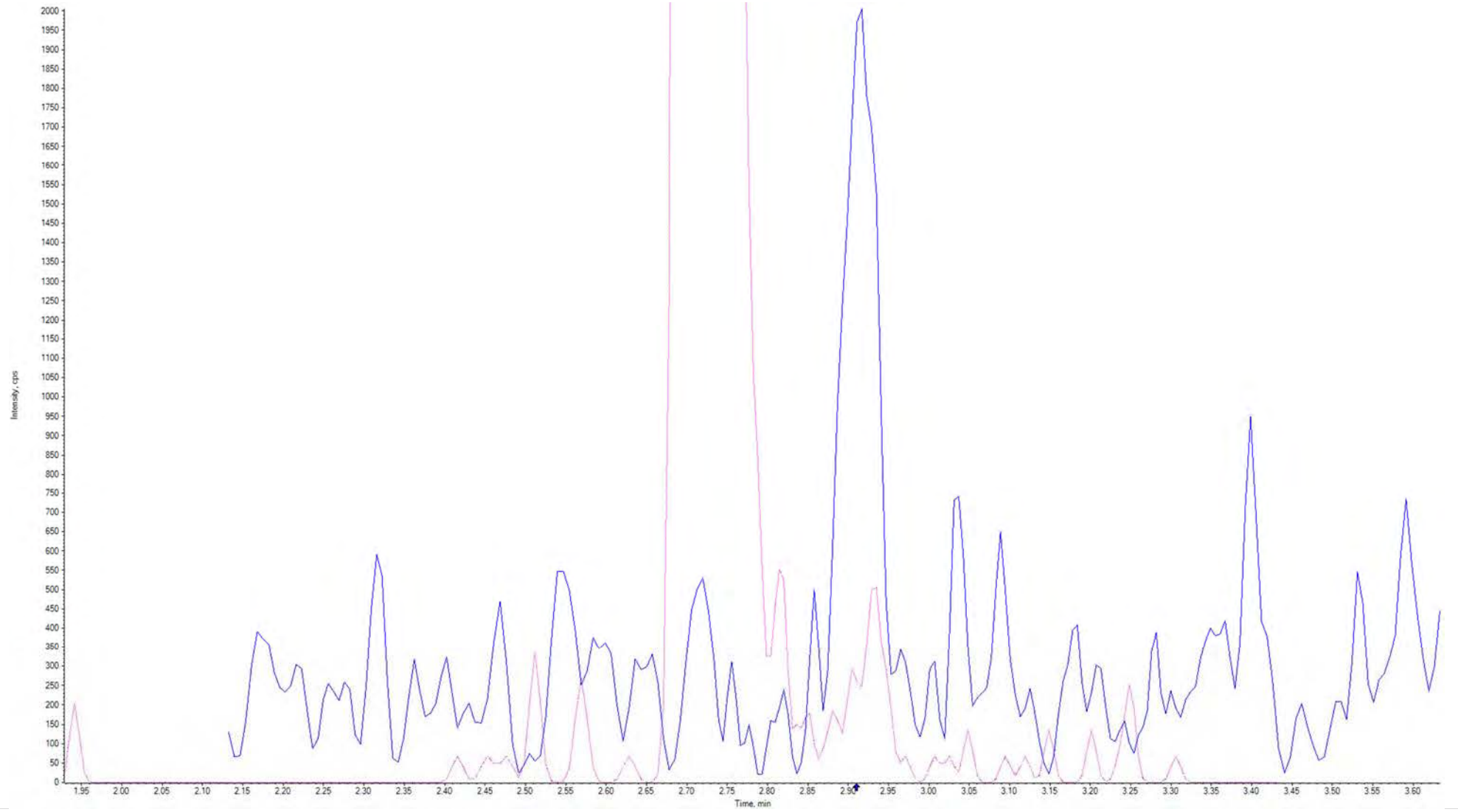
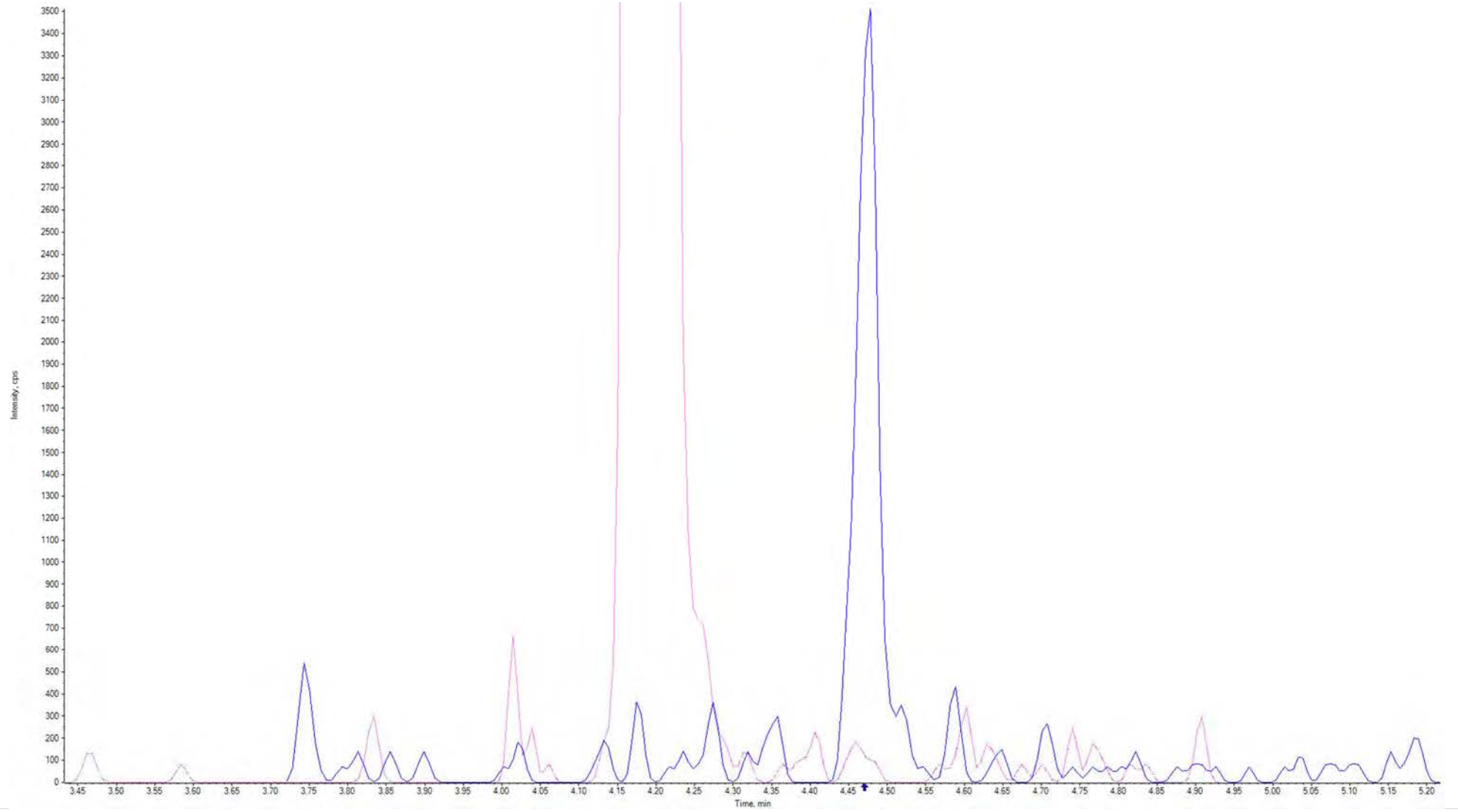


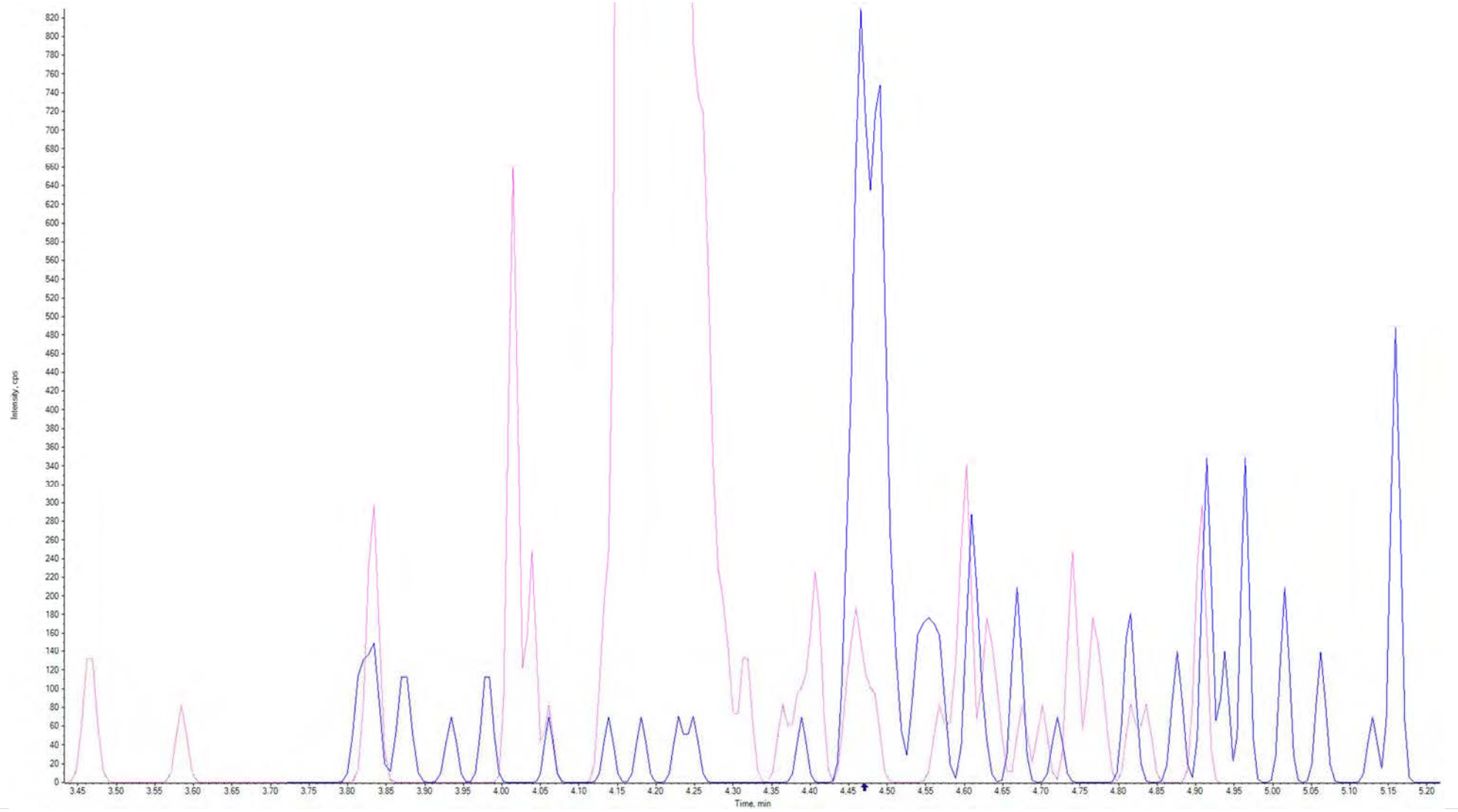
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_34.wiff2_1
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

9Cl-PF3ONS
Sample: WG2035470-2,INSTBLANK S/N:N/A Points Across peak:N/A



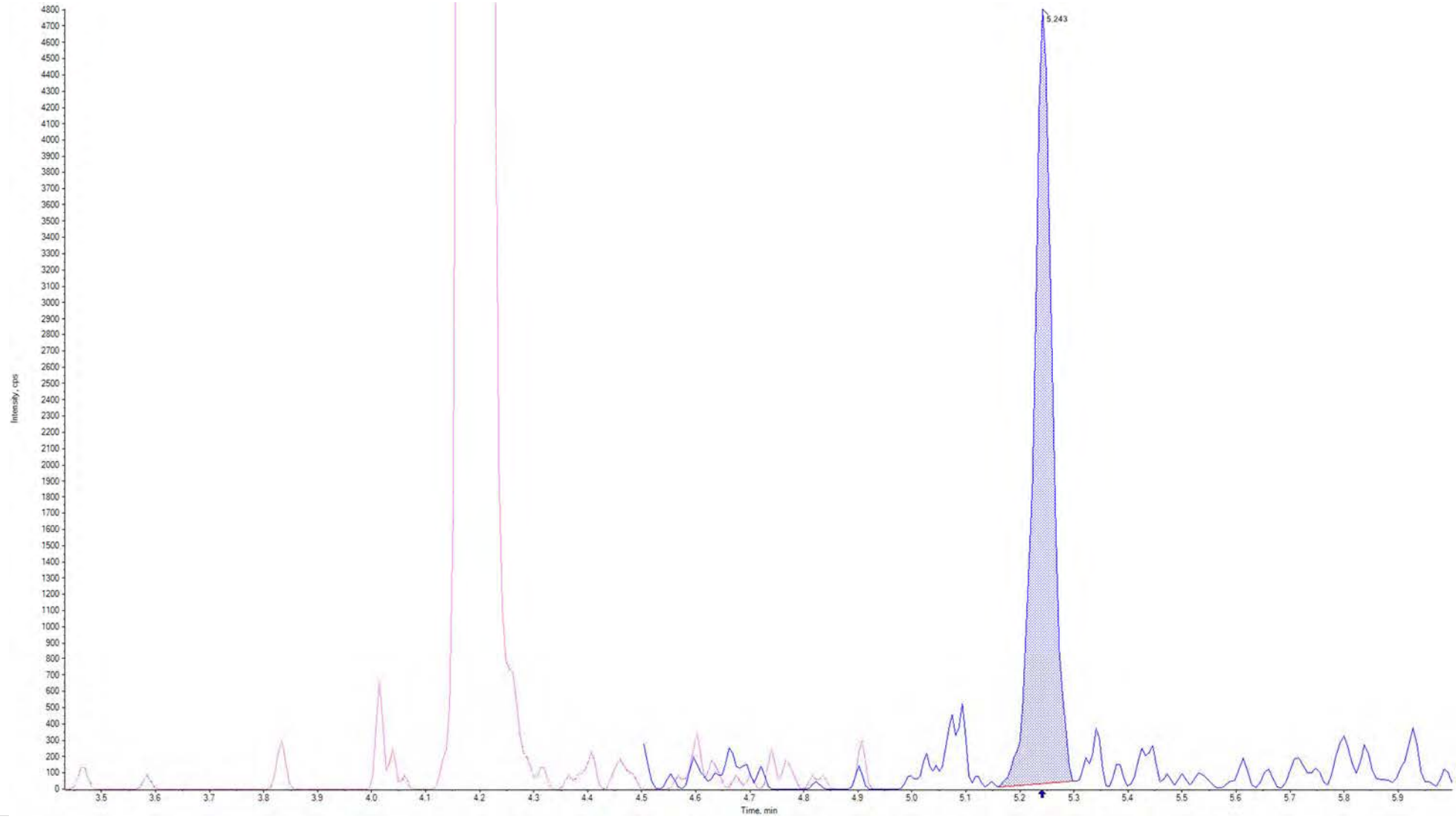
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_34.wiff2_1
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

9Cl-PF3ONS_2
Sample: WG2035470-2,INSTBLANK S/N:N/A Points Across peak:N/A



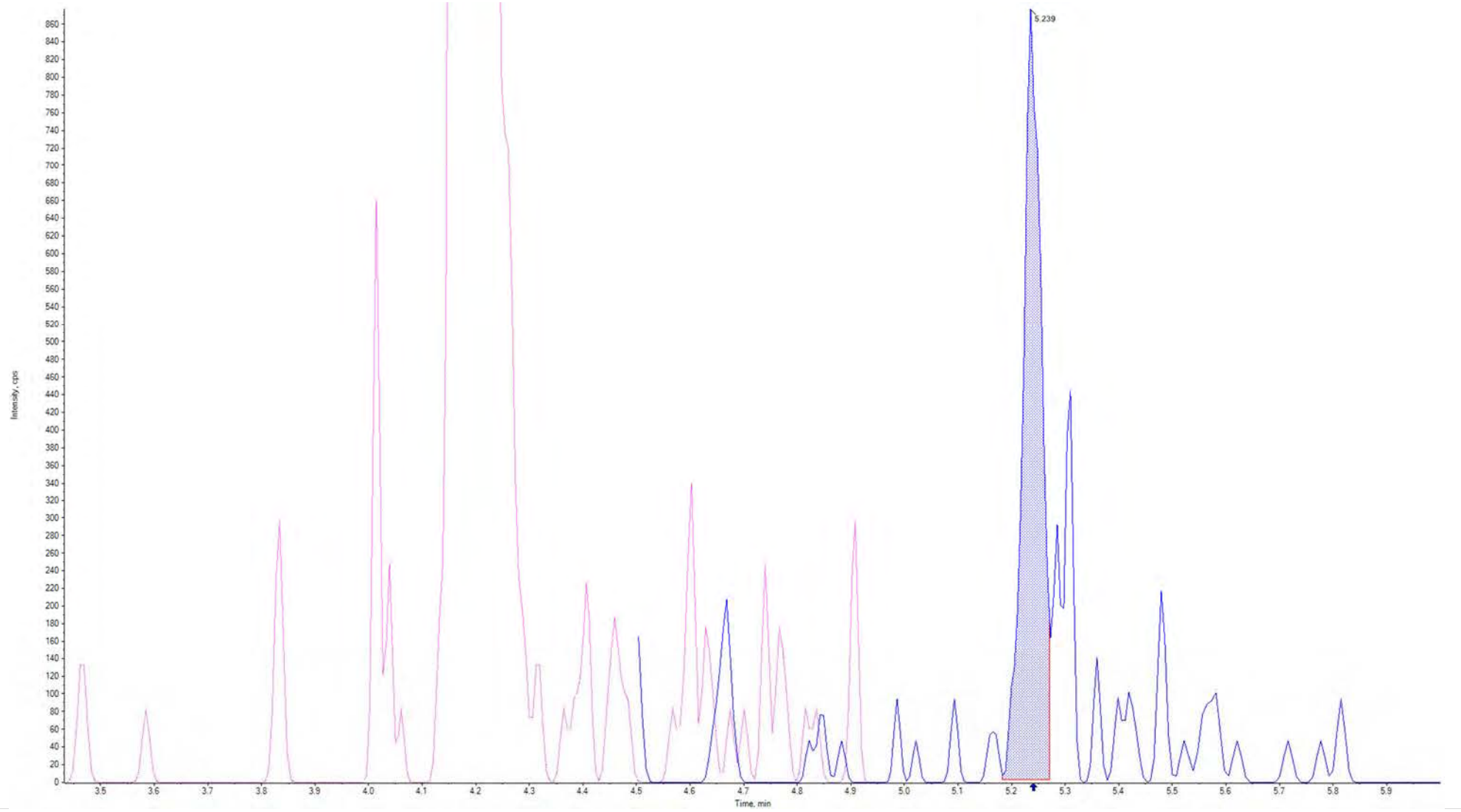
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_34.wiff2_1
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

11Cl-PF3OUdS
Sample: WG2035470-2,INSTBLANK S/N:95.6 Points Across peak:25

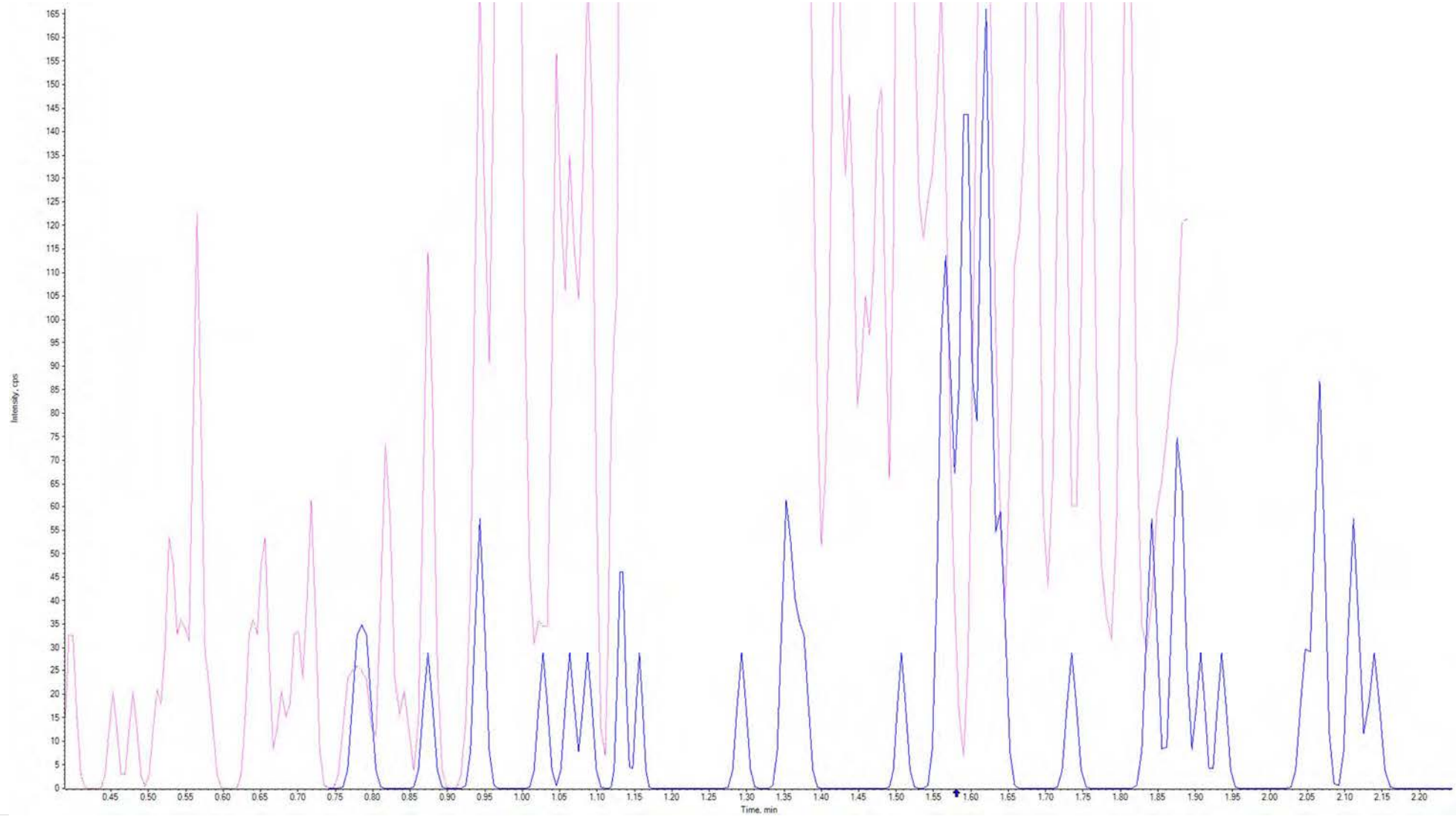


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_34.wiff2_1
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

11Cl-PF3OUdS_2
Sample: WG2035470-2,INSTBLANK S/N:17.5 Points Across peak:16

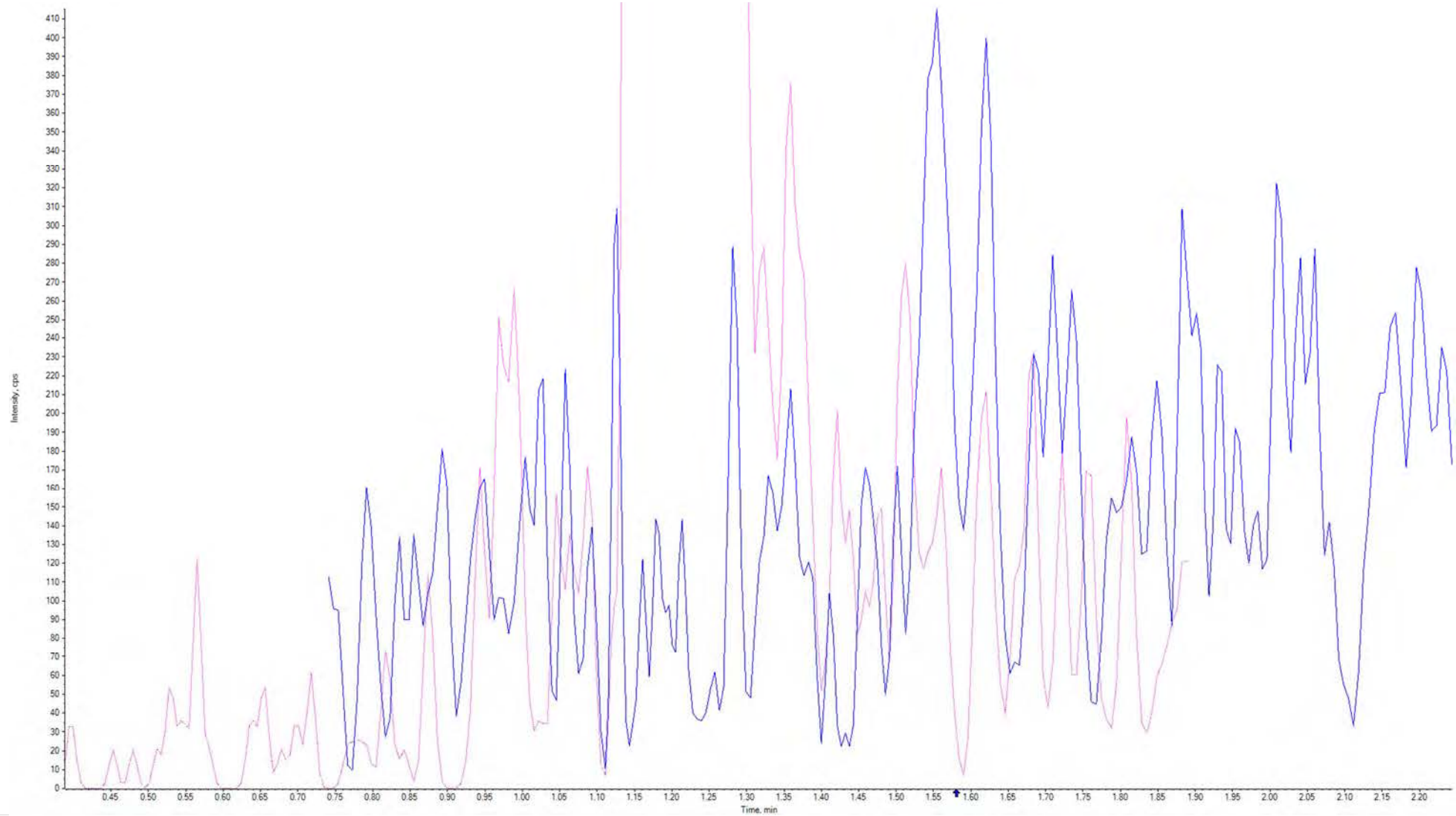


3:3FTCA
Sample: WG2035470-2,INSTBLANK S/N:N/A Points Across peak:N/A



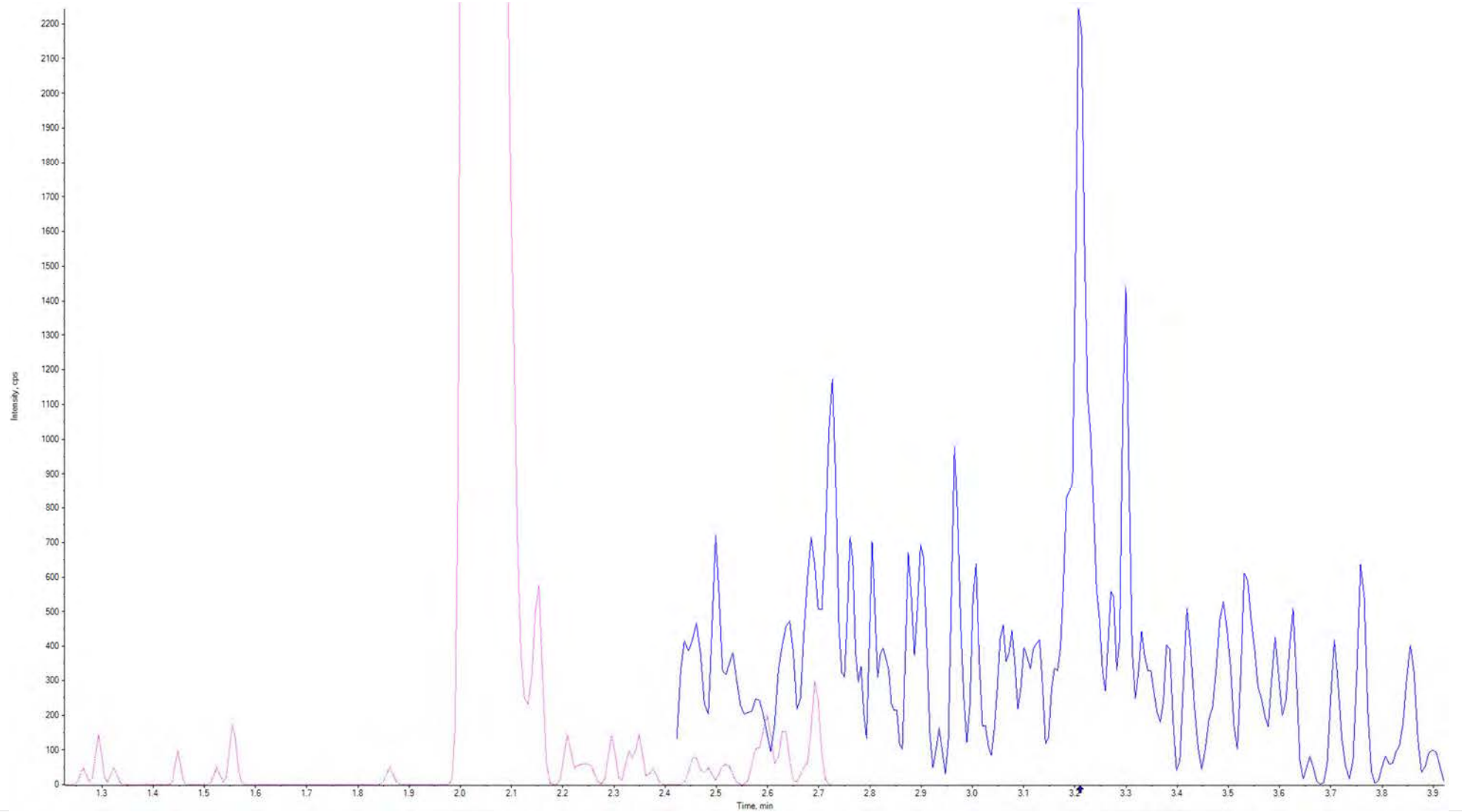
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_34.wiff2_1
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

3:3FTCA_2
Sample: WG2035470-2,INSTBLANK S/N:N/A Points Across peak:N/A



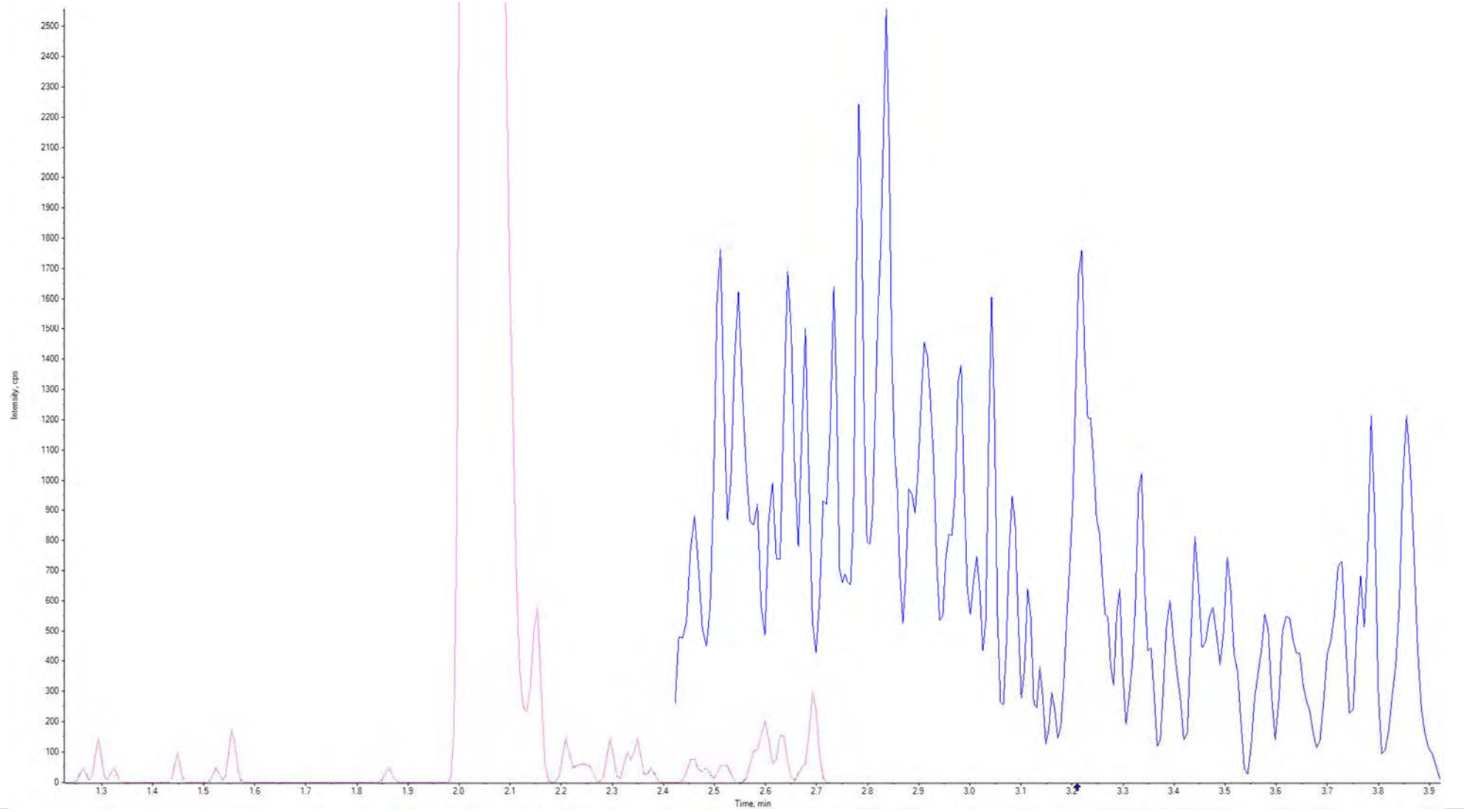
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_34.wiff2_1
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

5:3FTCA
Sample: WG2035470-2,INSTBLANK S/N:N/A Points Across peak:N/A



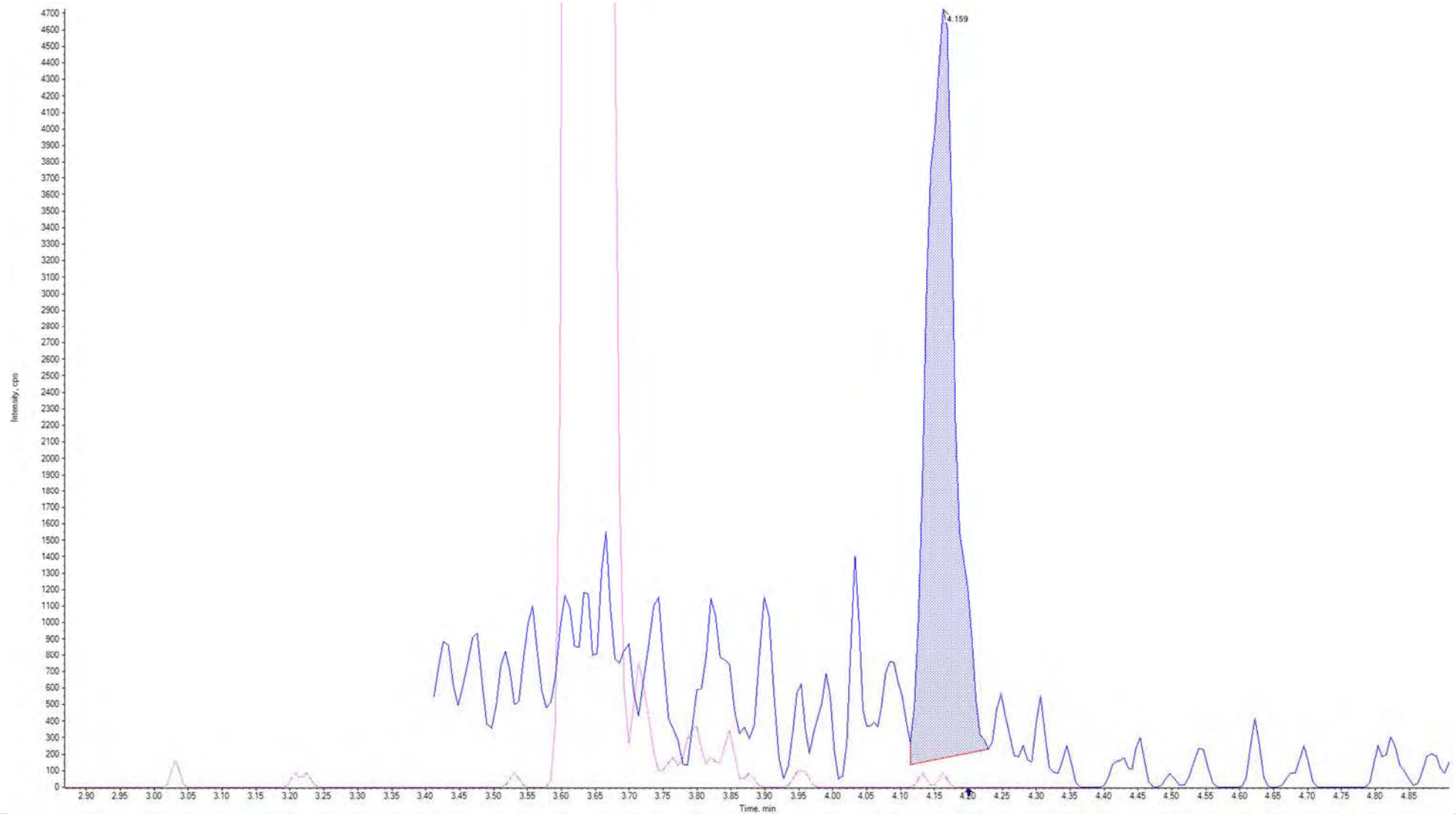
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_34.wiff2_1
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

5:3FTCA_2
Sample: WG2035470-2,INSTBLANK S/N:N/A Points Across peak:N/A



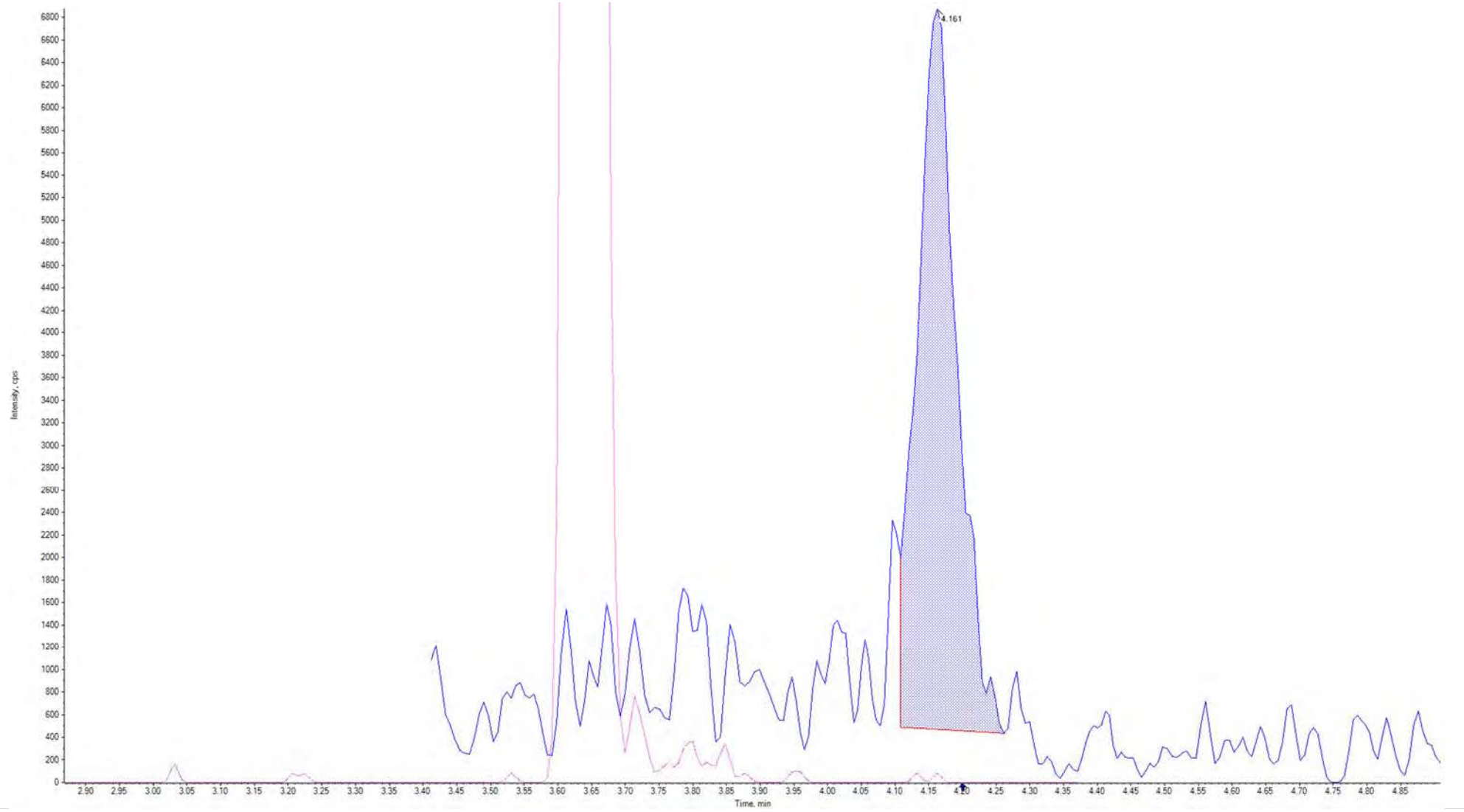
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_34.wiff2_1
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

7:3FTCA
Sample: WG2035470-2,INSTBLANK S/N:43.0 Points Across peak:20



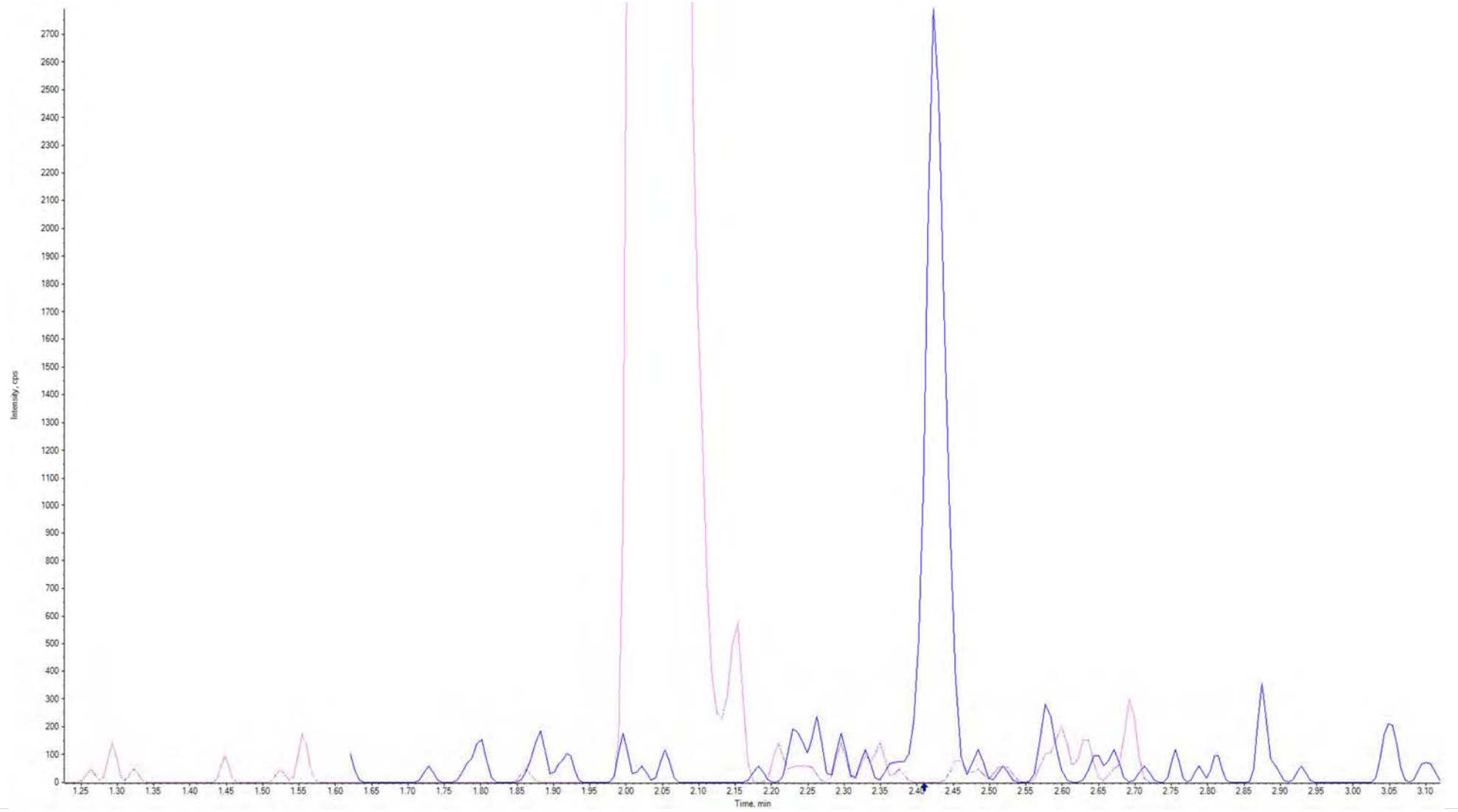
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_34.wiff2_1
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

7:3FTCA_2
Sample: WG2035470-2,INSTBLANK S/N:80.3 Points Across peak:26



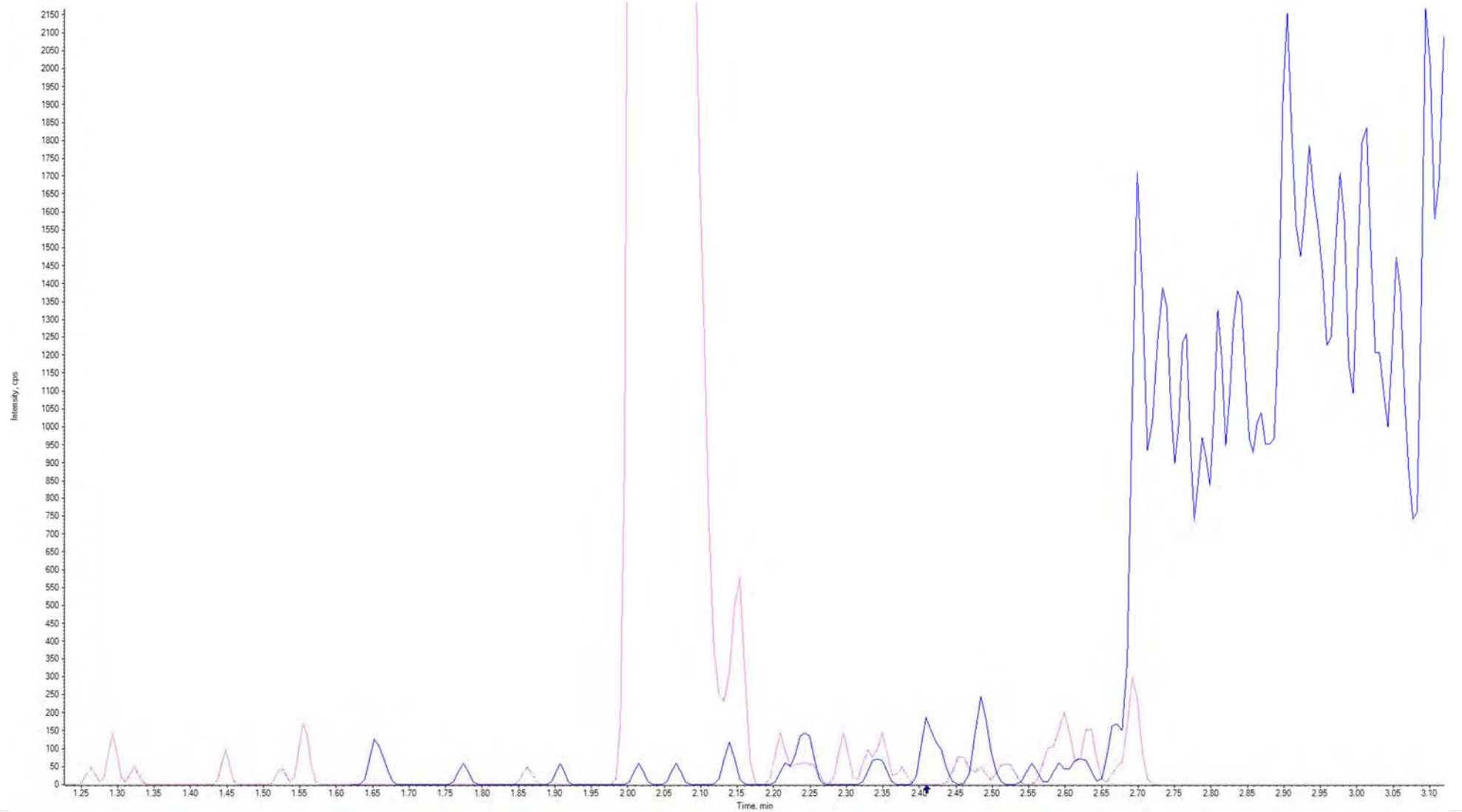
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_34.wiff2_1
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFEESA
Sample: WG2035470-2,INSTBLANK S/N:N/A Points Across peak:N/A



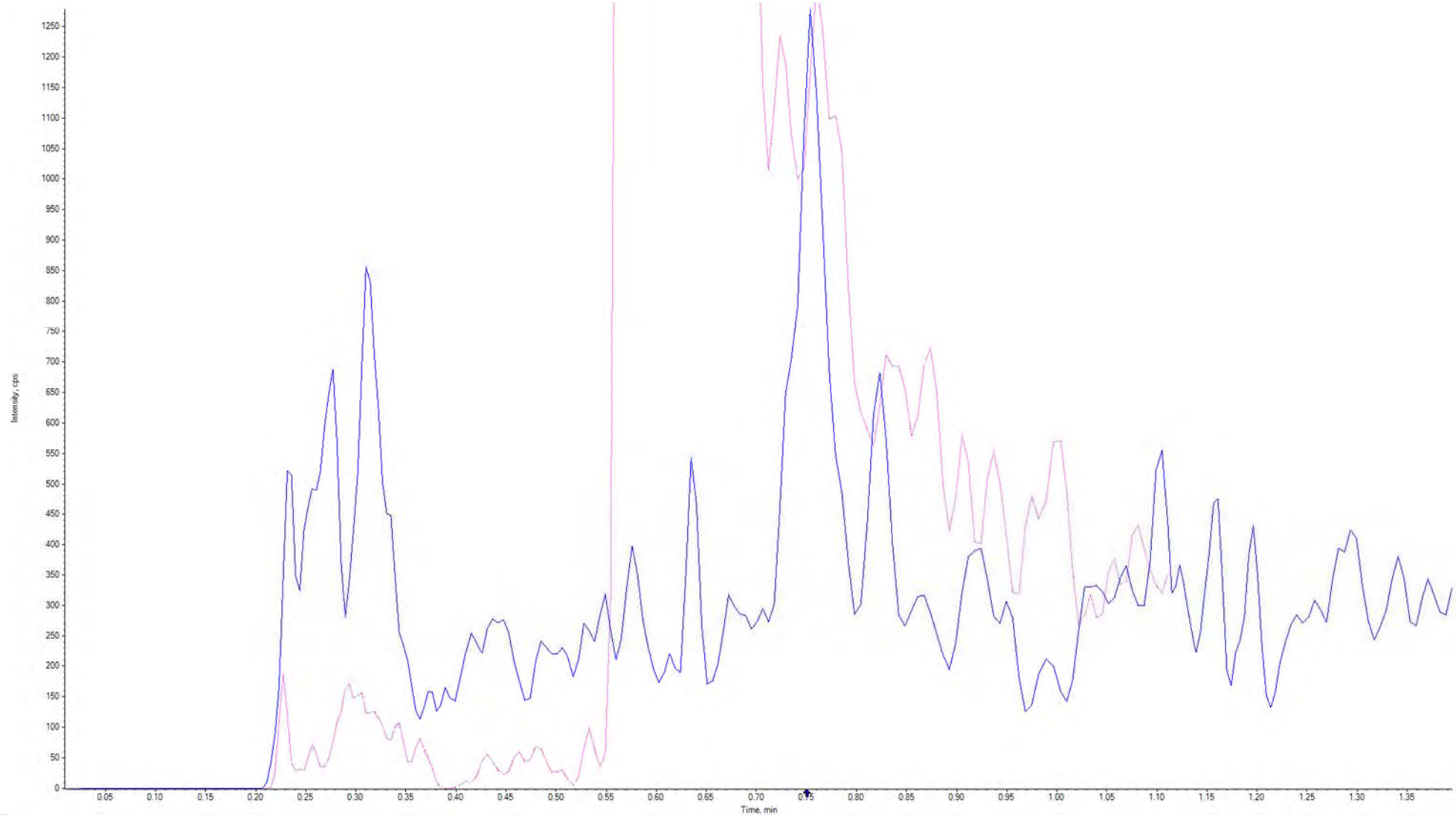
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_34.wiff2_1
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFEESA_2
Sample: WG2035470-2,INSTBLANK S/N:N/A Points Across peak:N/A



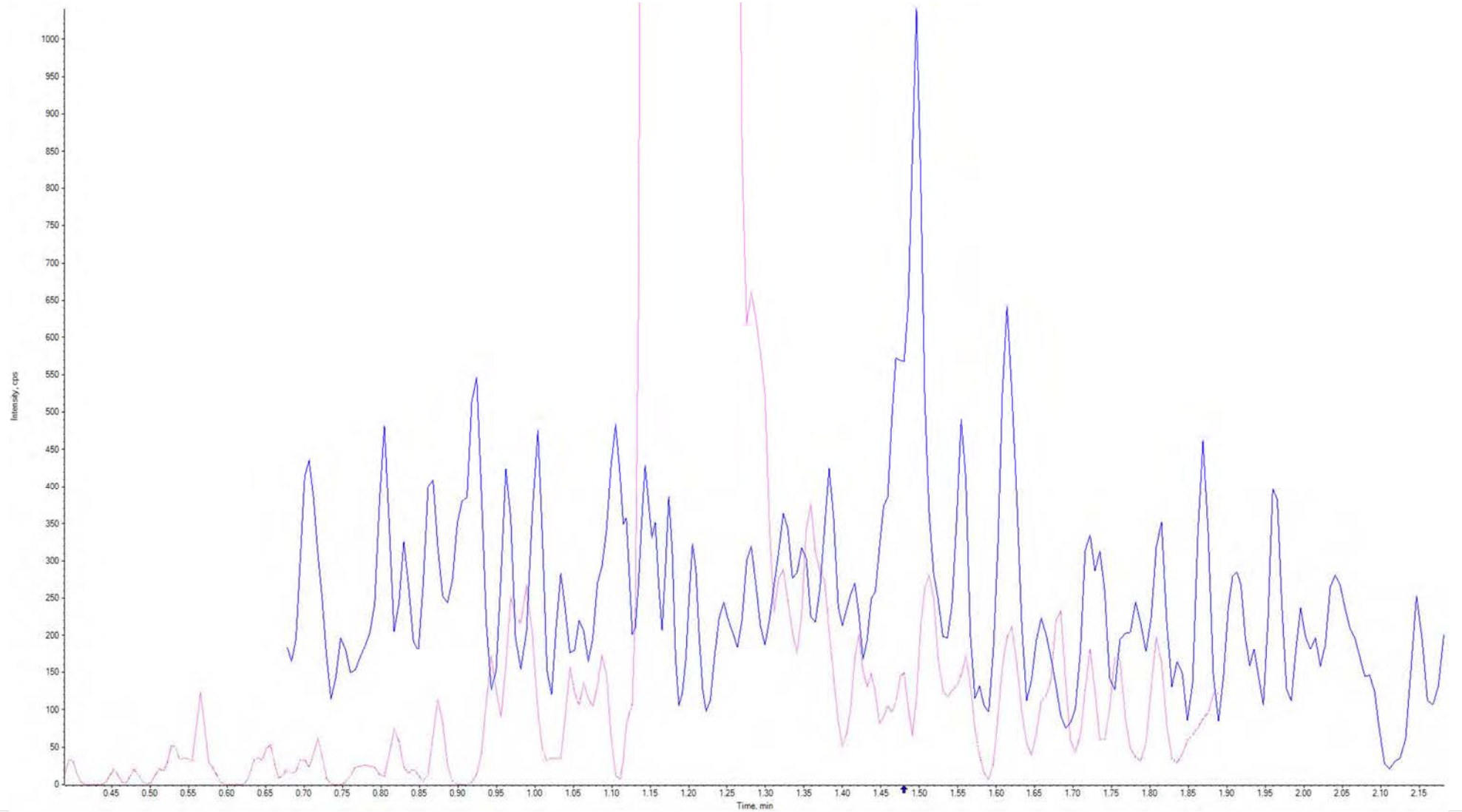
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_34.wiff2_1
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFMPA
Sample: WG2035470-2,INSTBLANK S/N:N/A Points Across peak:N/A



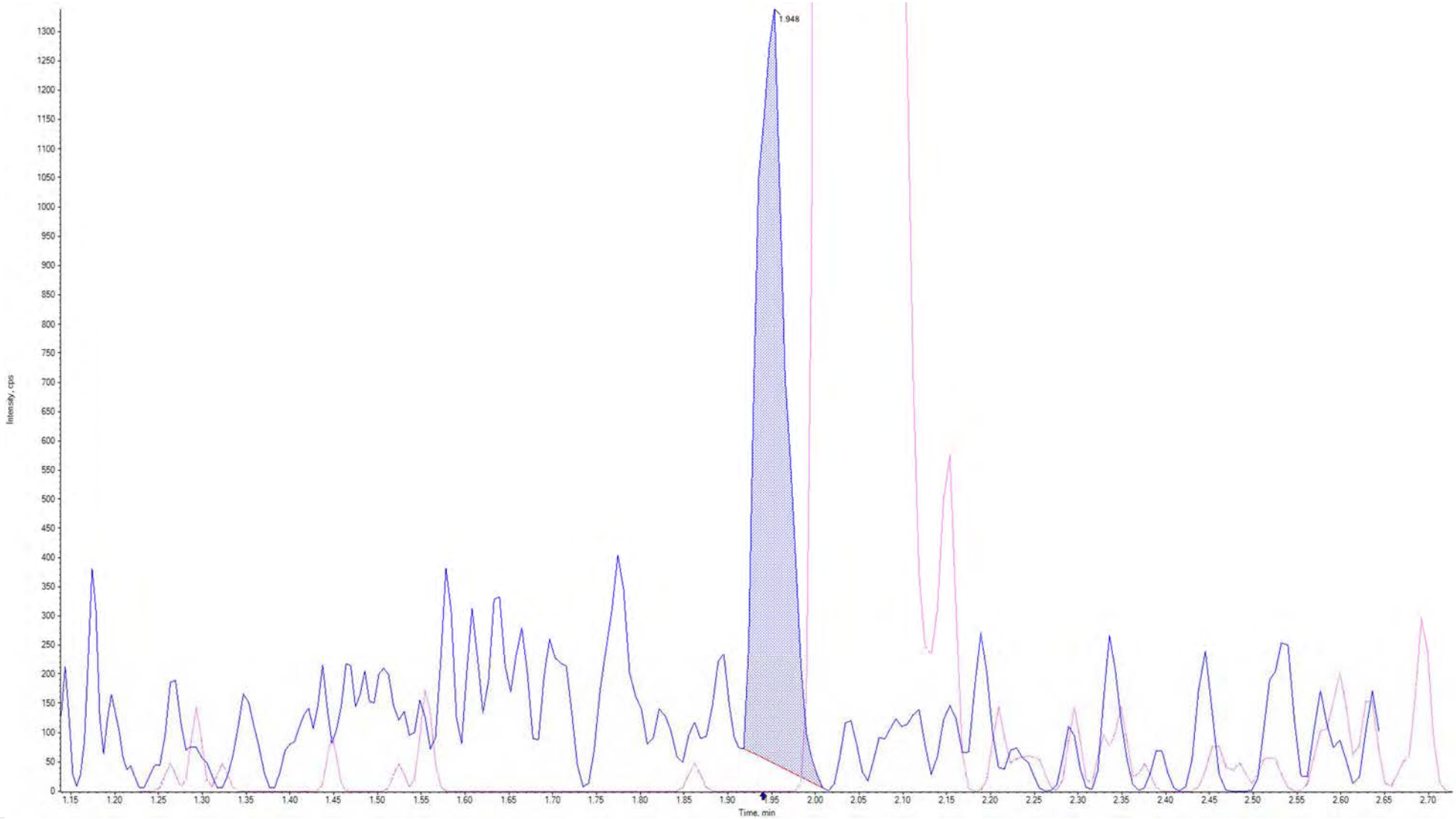
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_34.wiff2_1
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFMBA
Sample: WG2035470-2,INSTBLANK S/N:N/A Points Across peak:N/A



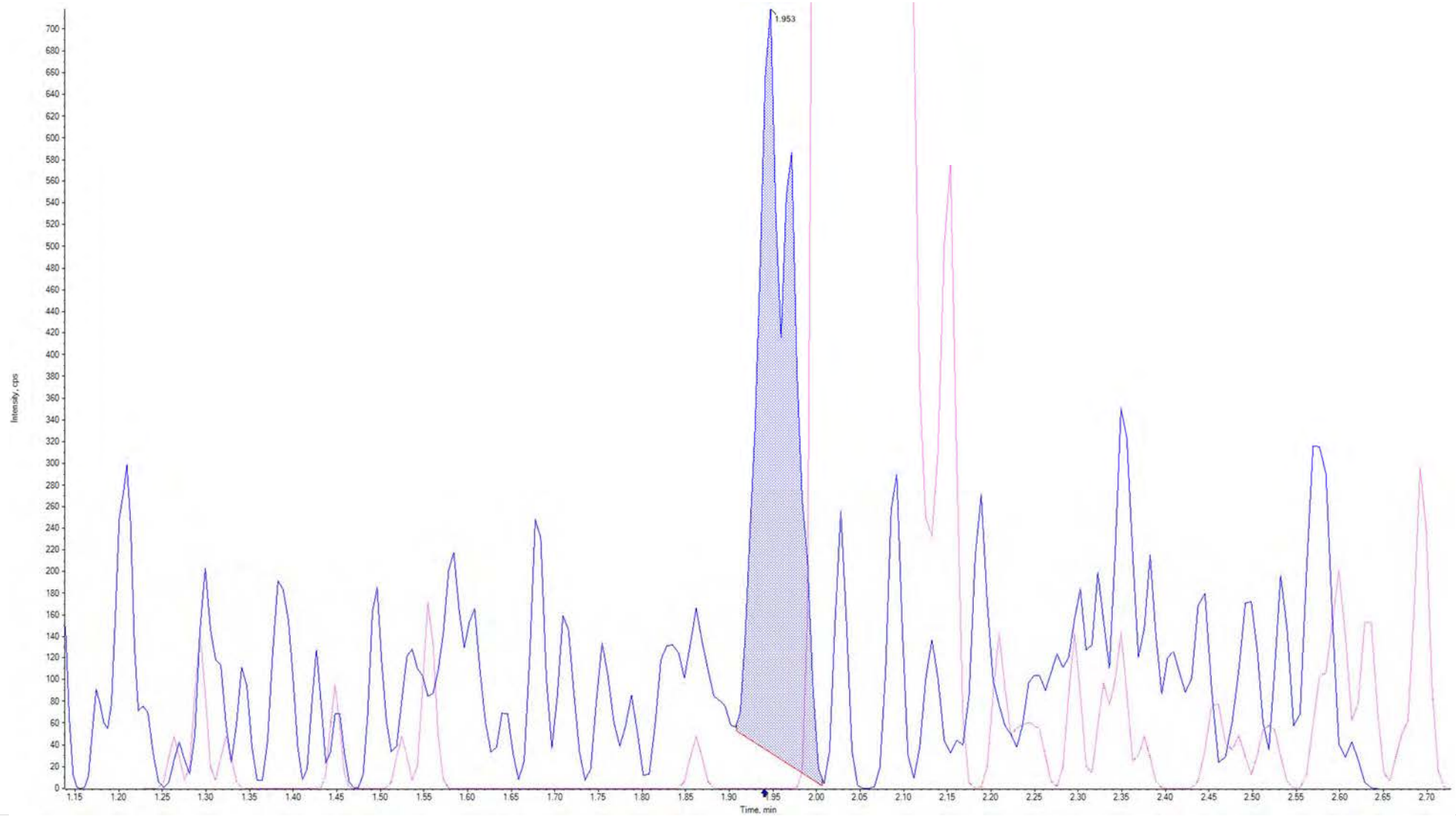
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_34.wiff2_1
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

NFDHA
Sample: WG2035470-2,INSTBLANK S/N:29.1 Points Across peak:16



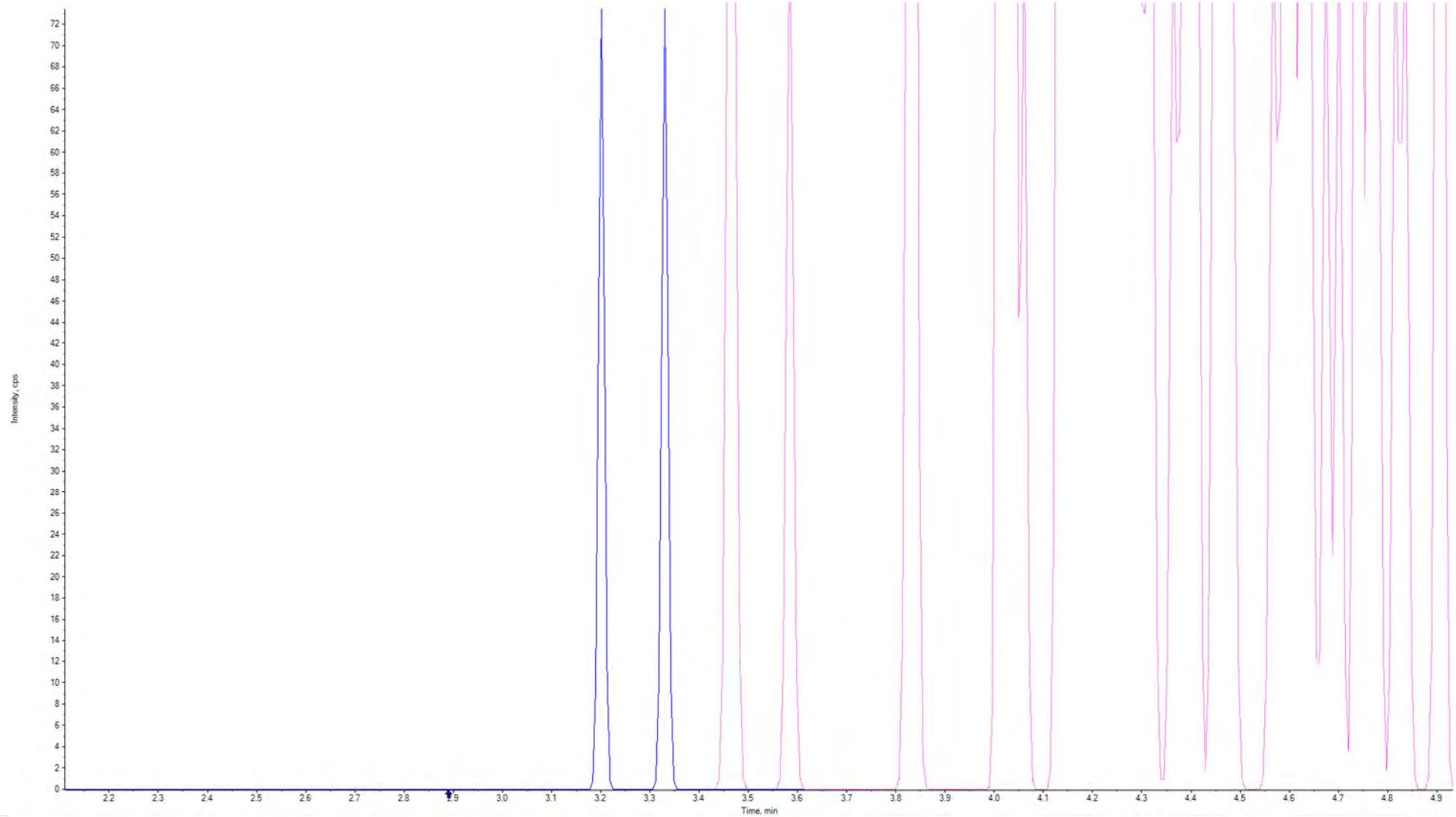
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_34.wiff2_1
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

NFDHA_2
Sample: WG2035470-2,INSTBLANK S/N:15.5 Points Across peak:18



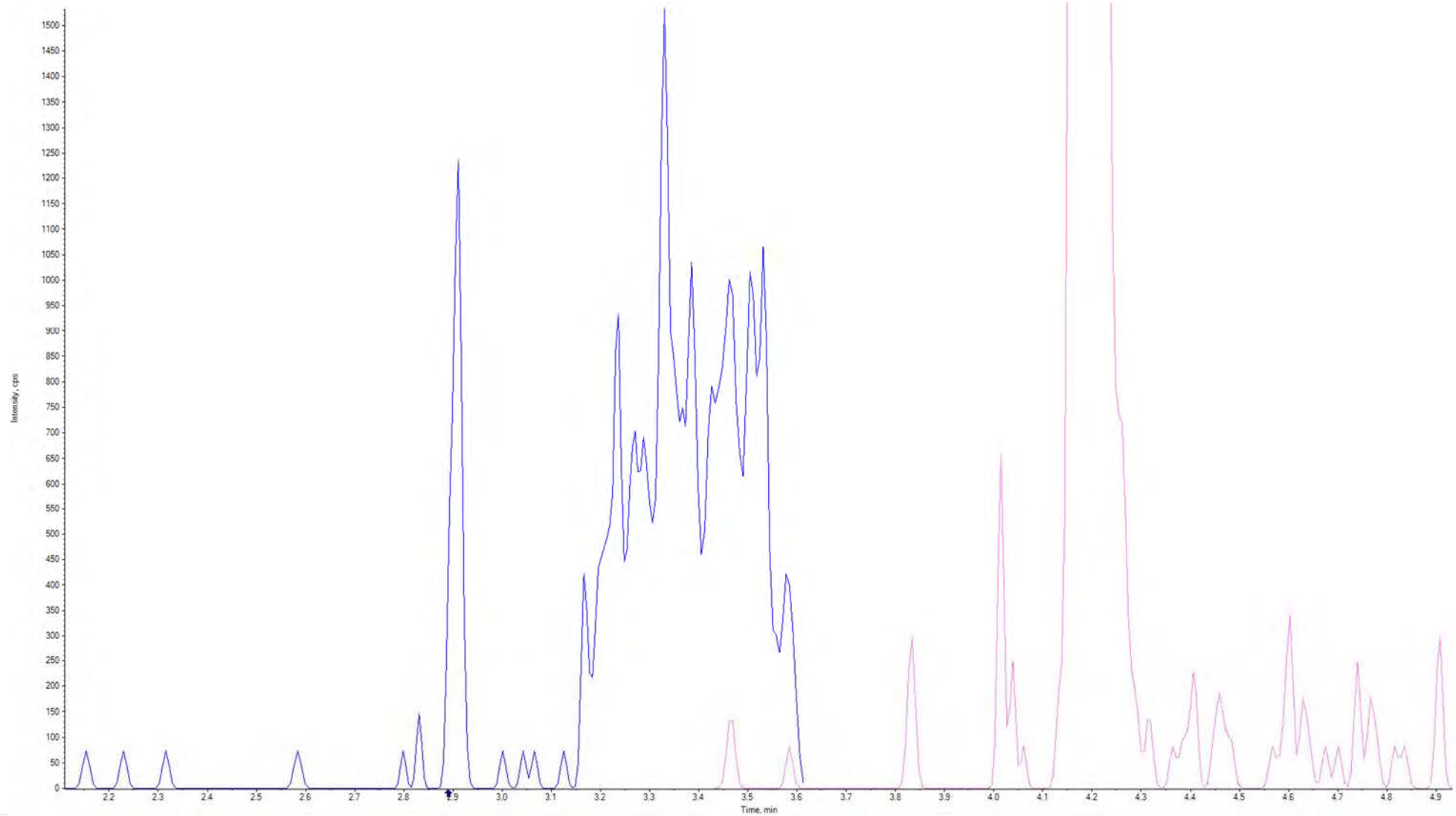
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_34.wiff2_1
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

TDCA
Sample: WG2035470-2,INSTBLANK S/N:N/A Points Across peak:N/A



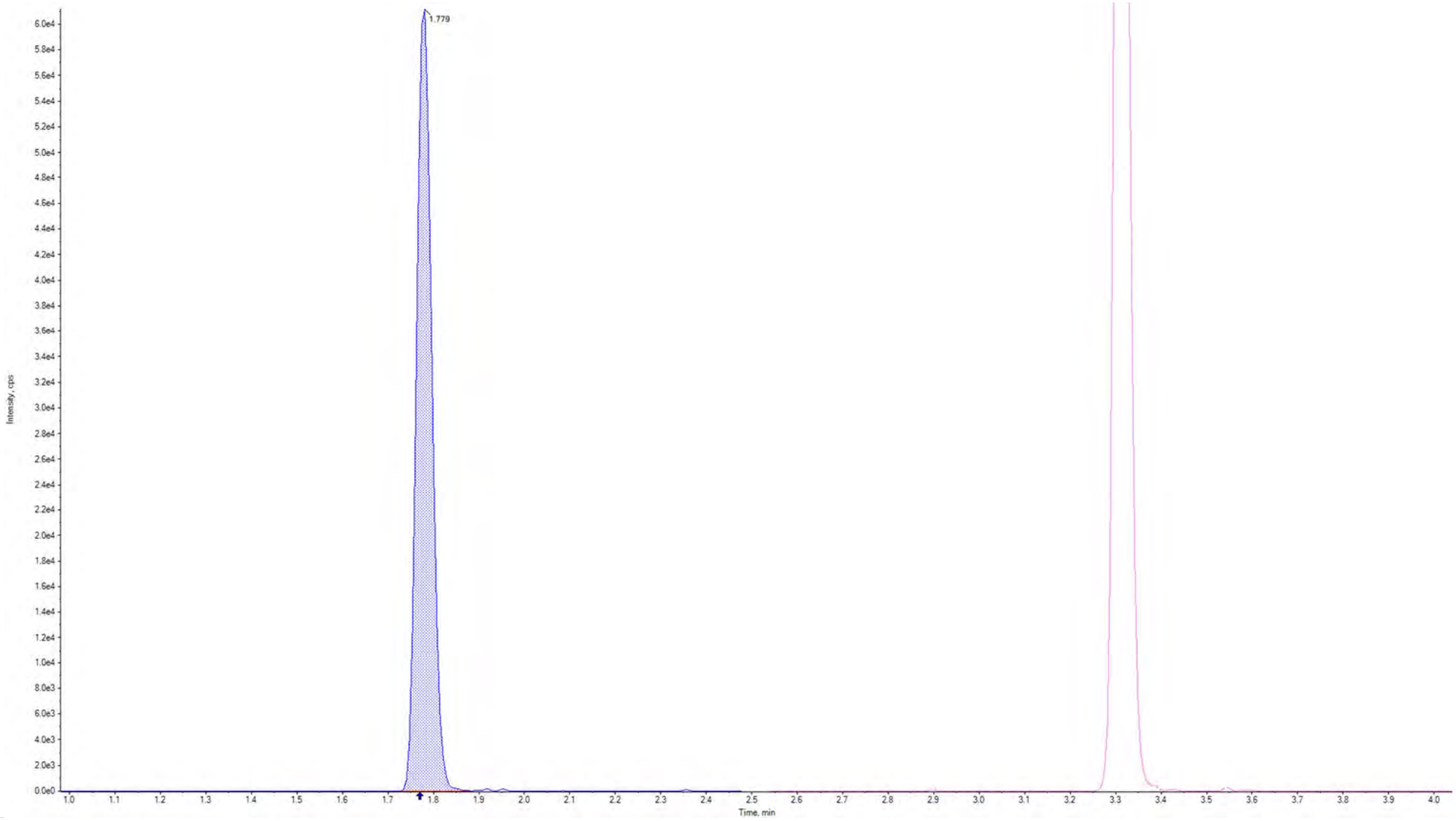
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_34.wiff2_1
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

TDCA_2
Sample: WG2035470-2,INSTBLANK S/N:N/A Points Across peak:N/A



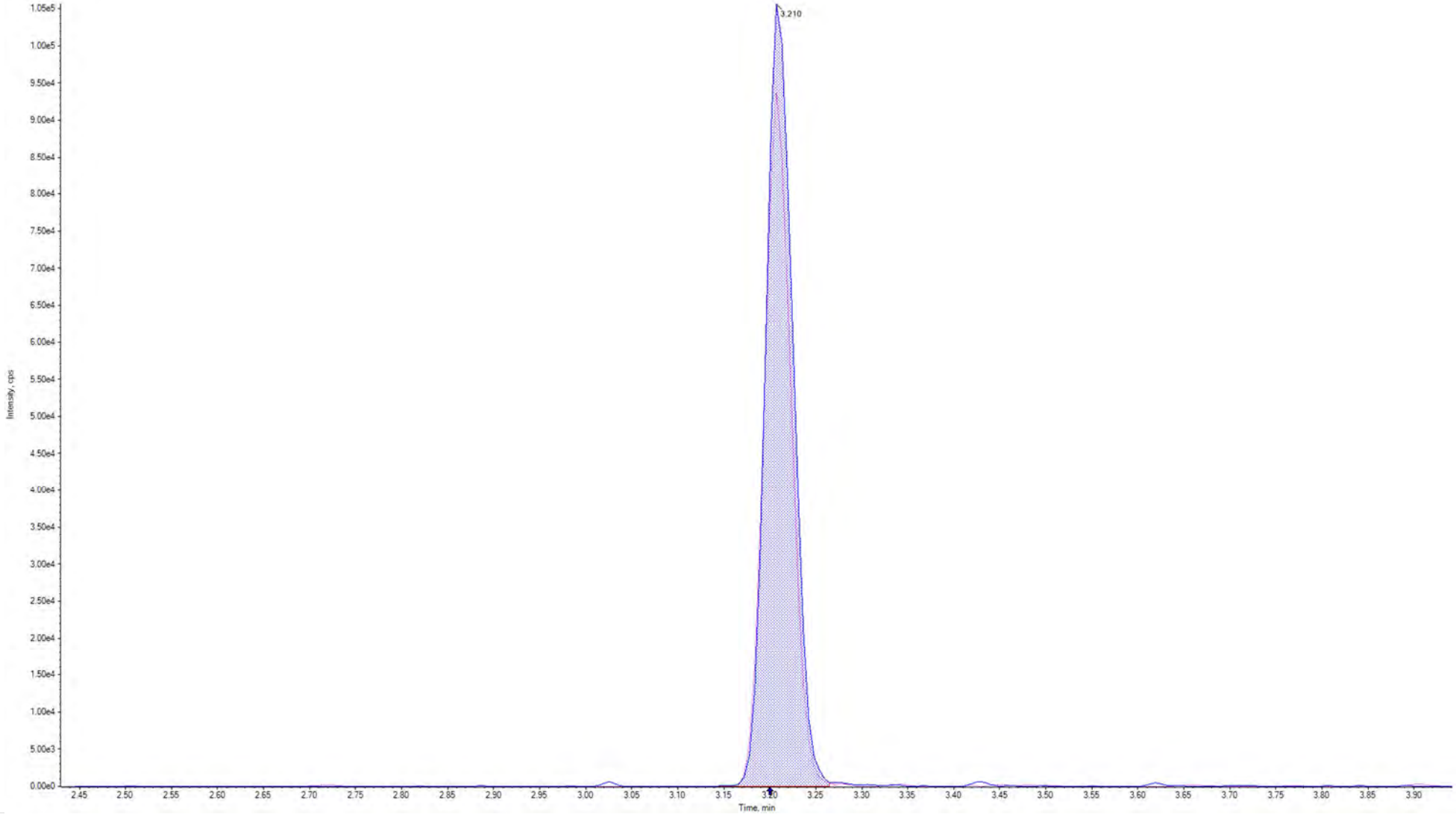
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_34.wiff2_1
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

13C2D4-4:2FTS
Sample: WG2035470-2,INSTBLANK S/N:1686.3 Points Across peak:30

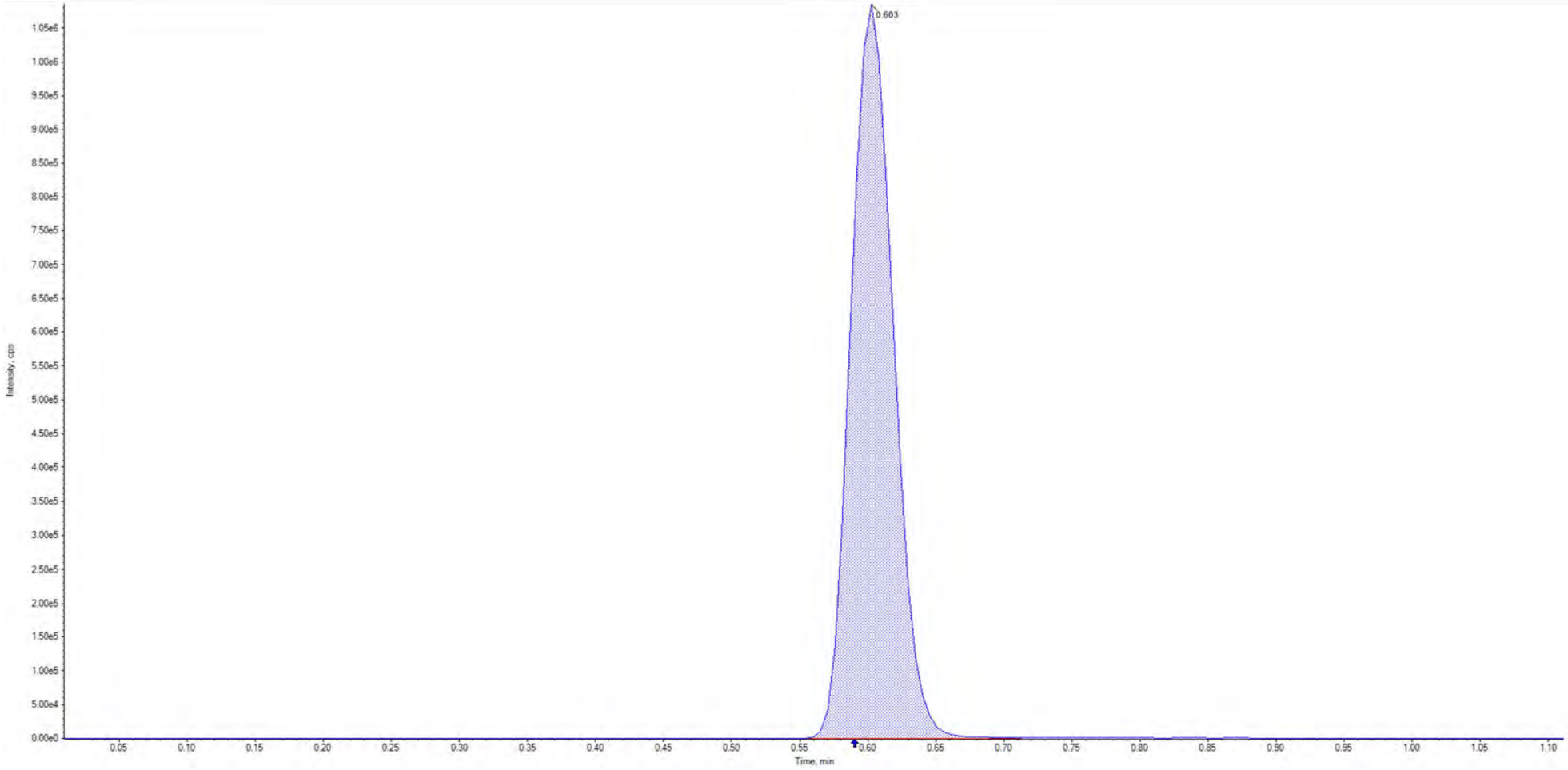


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_34.wiff2_1
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

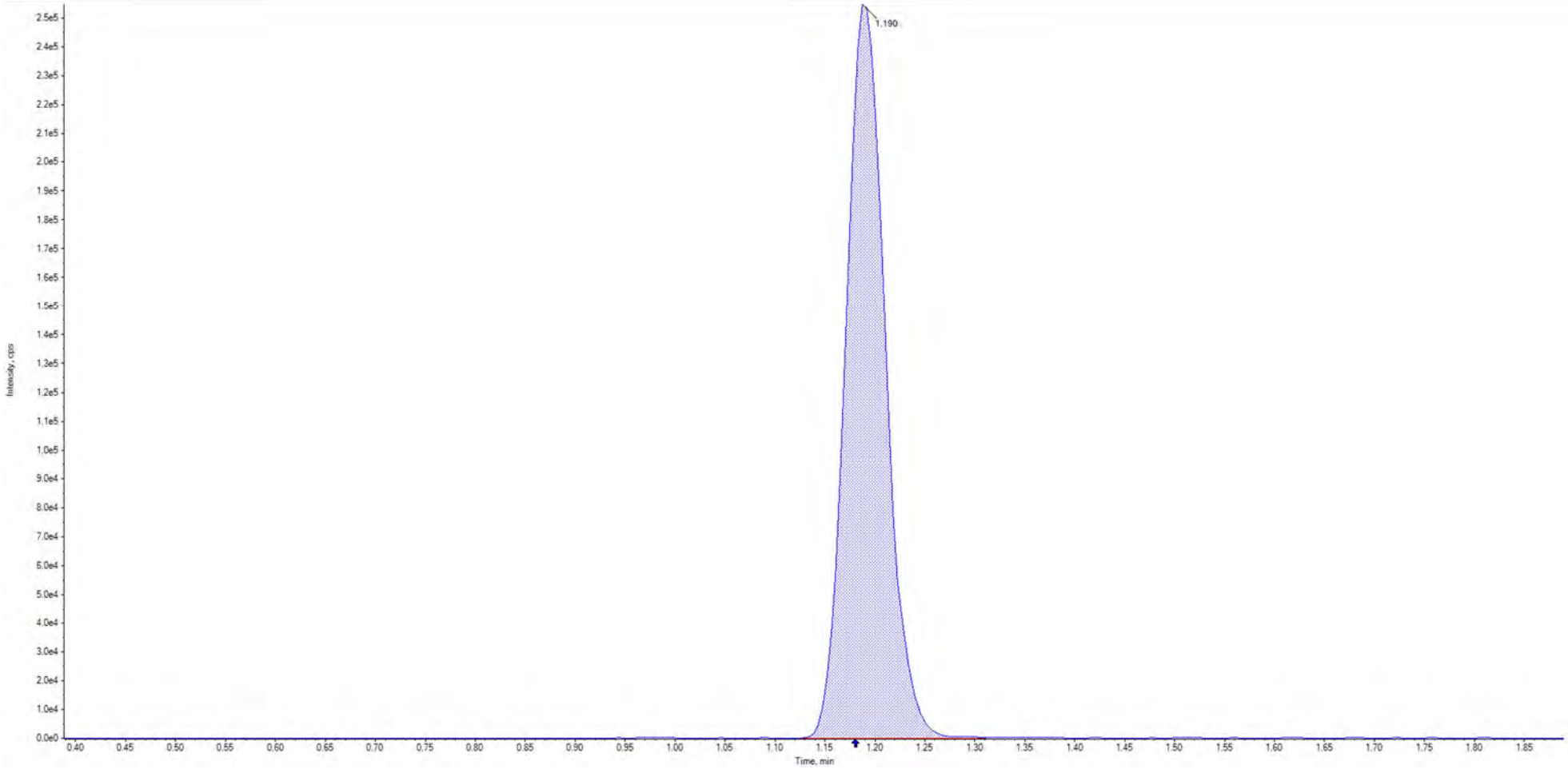
13C2-PFOA
Sample: WG2035470-2,INSTBLANK S/N:1323.7 Points Across peak:26



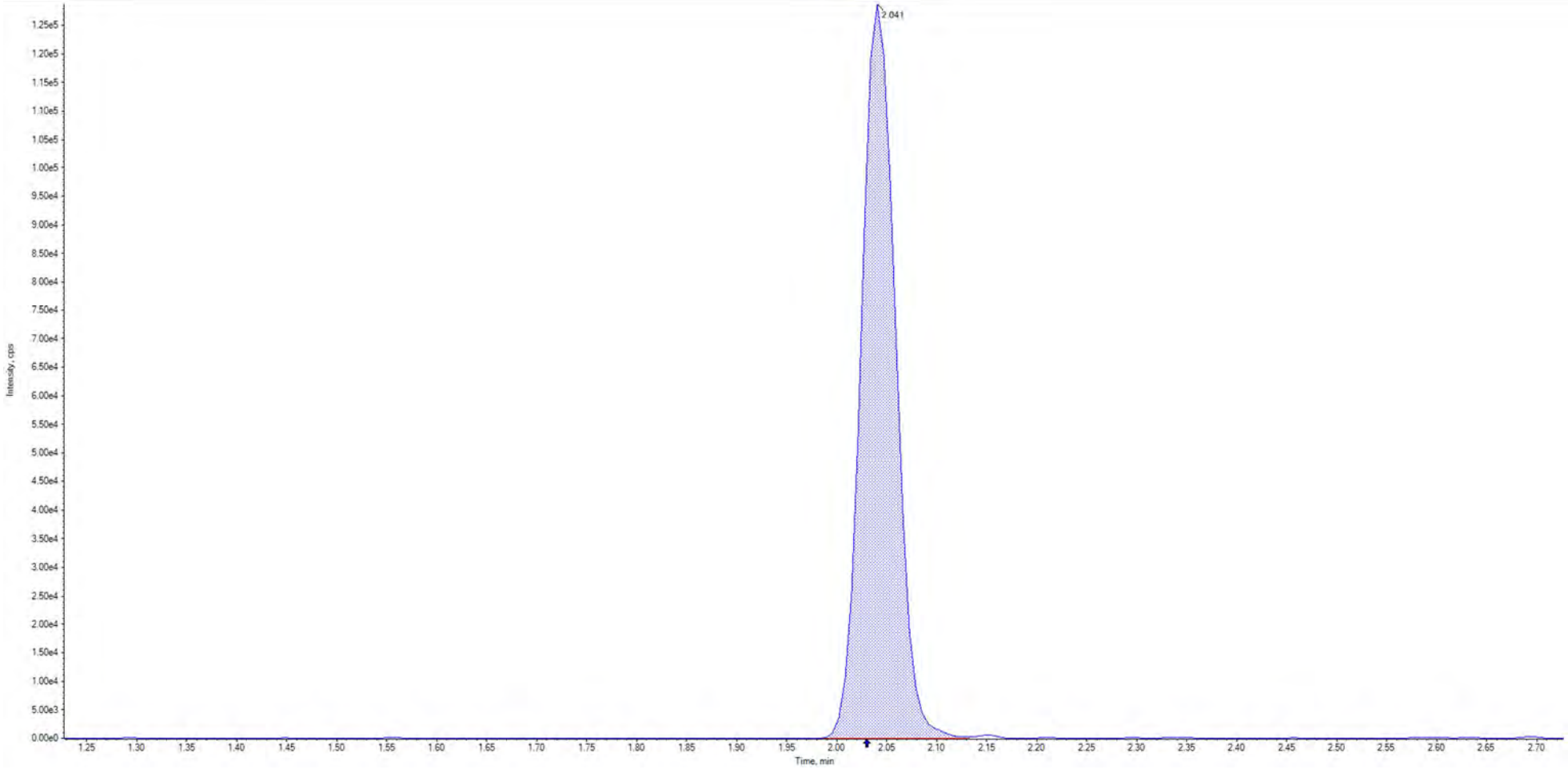
13C4-PFBA
Sample: WG2035470-2,INSTBLANK



13C5-PFPeA
Sample: WG2035470-2,INSTBLANK



13C5-PFHxA
Sample: WG2035470-2,INSTBLANK



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_34.wiff2_1
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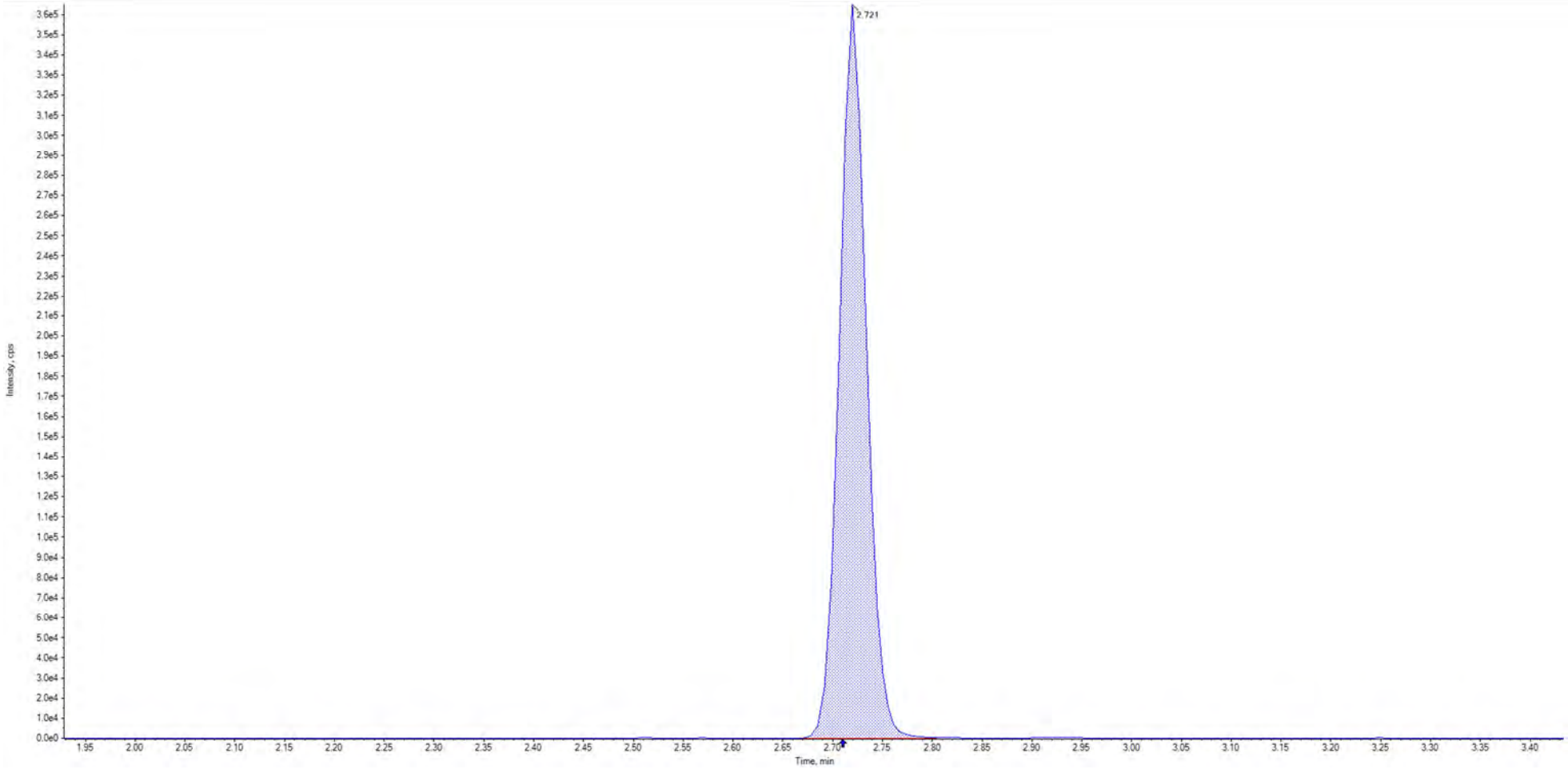
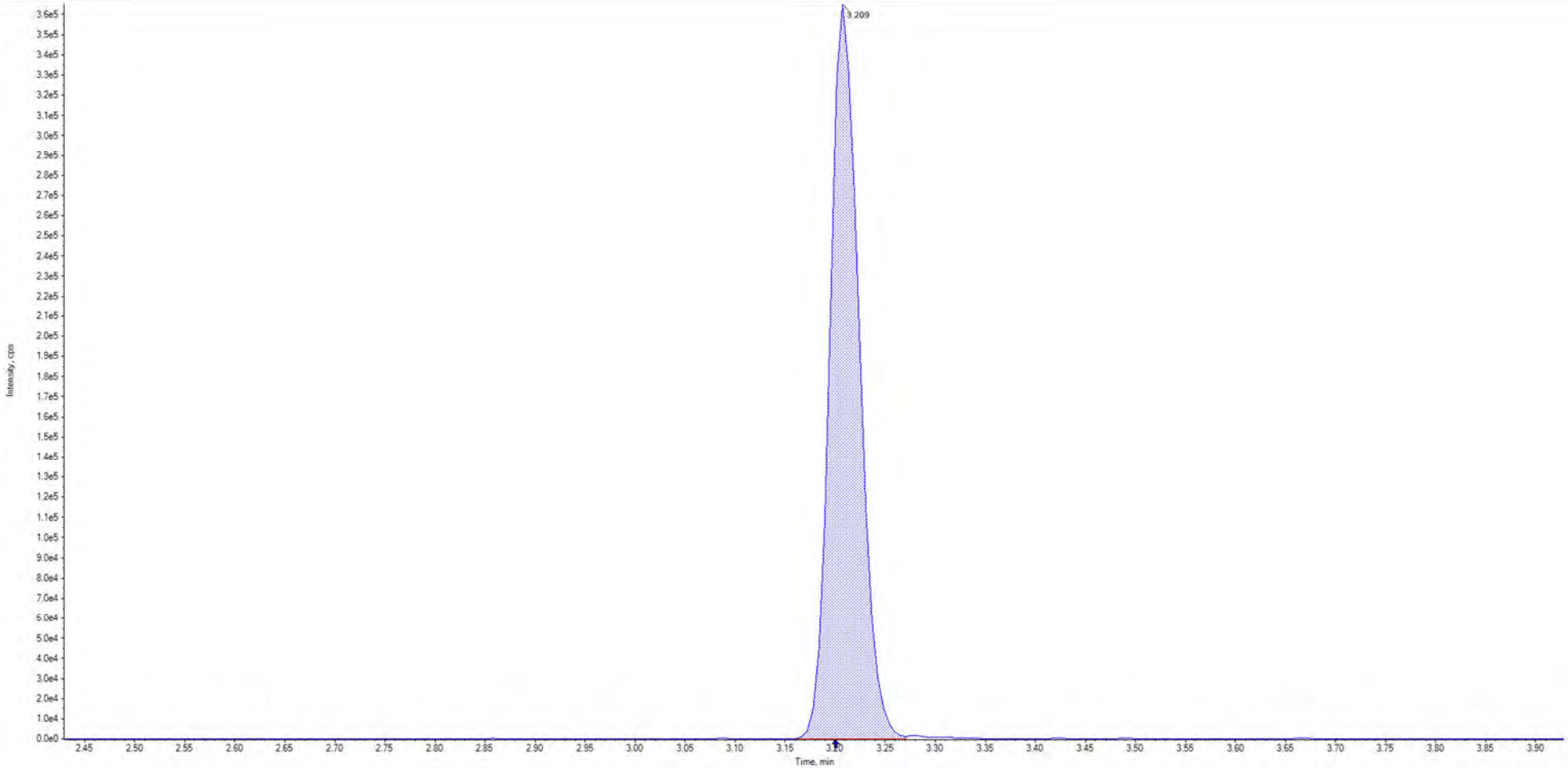
Generated: 3/1/2025 7:28:00 AM

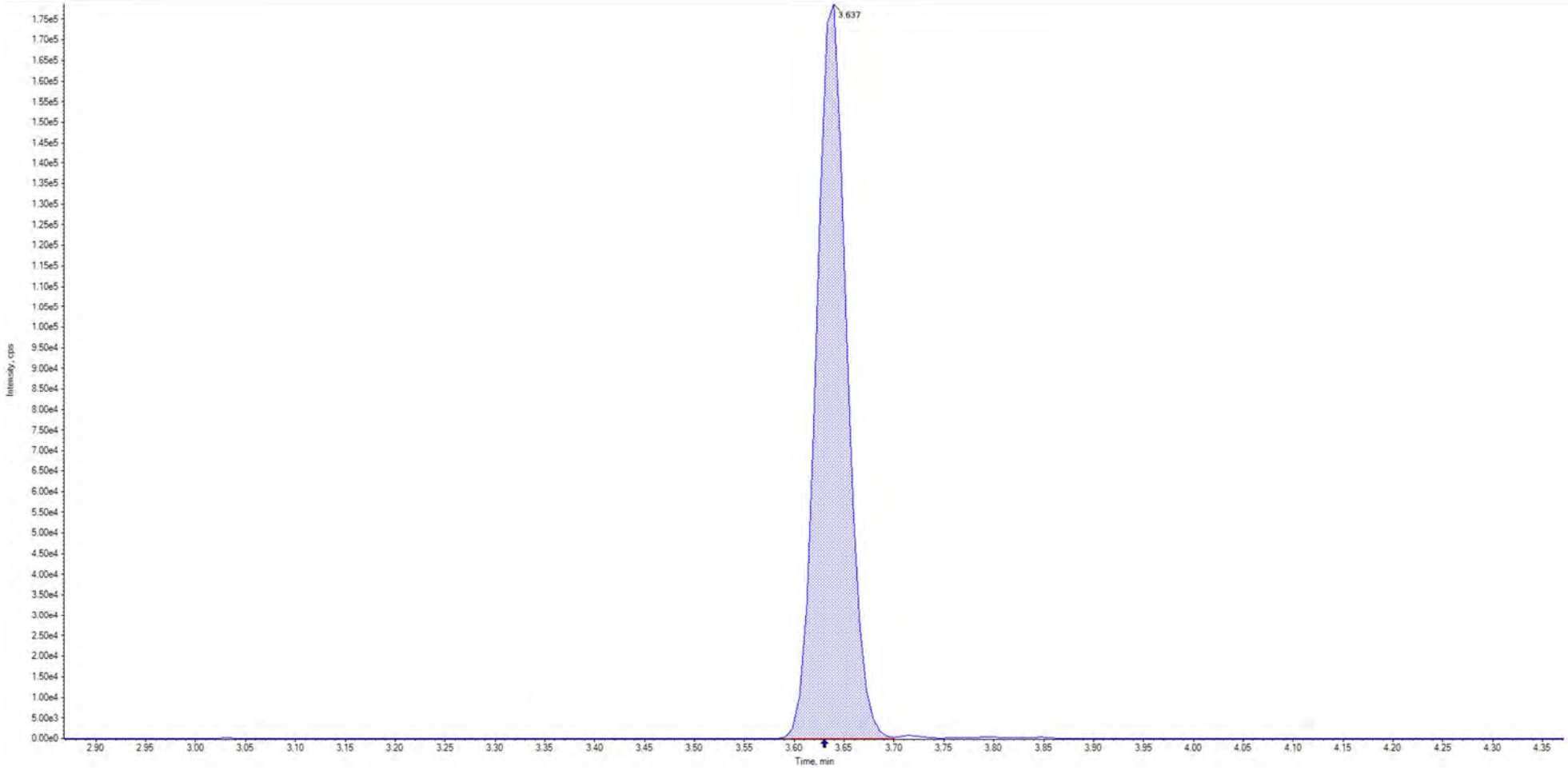
13C4-PFHpA
Sample: WG2035470-2,INSTBLANK



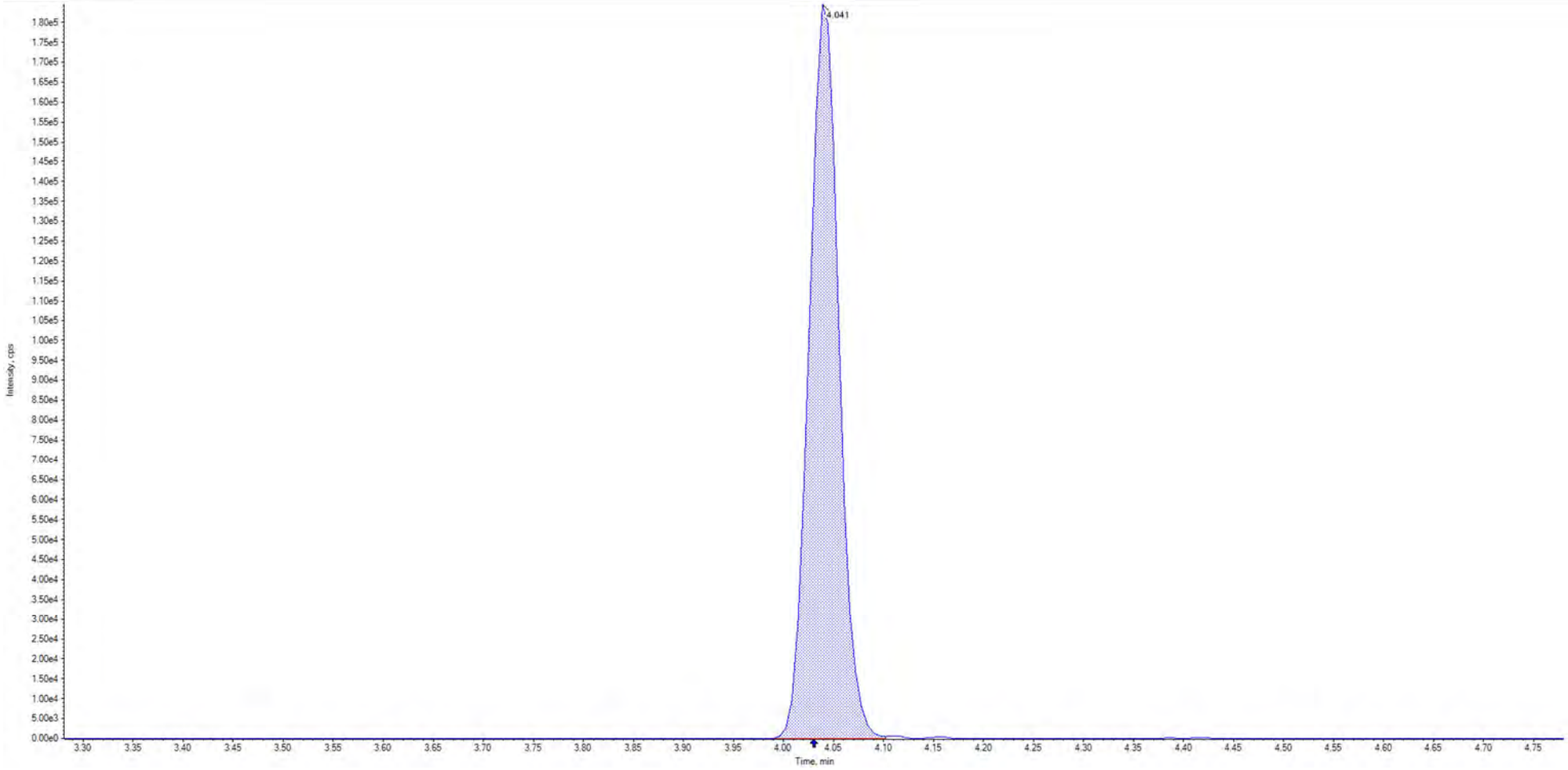
13C8-PFOA
Sample: WG2035470-2,INSTBLANK



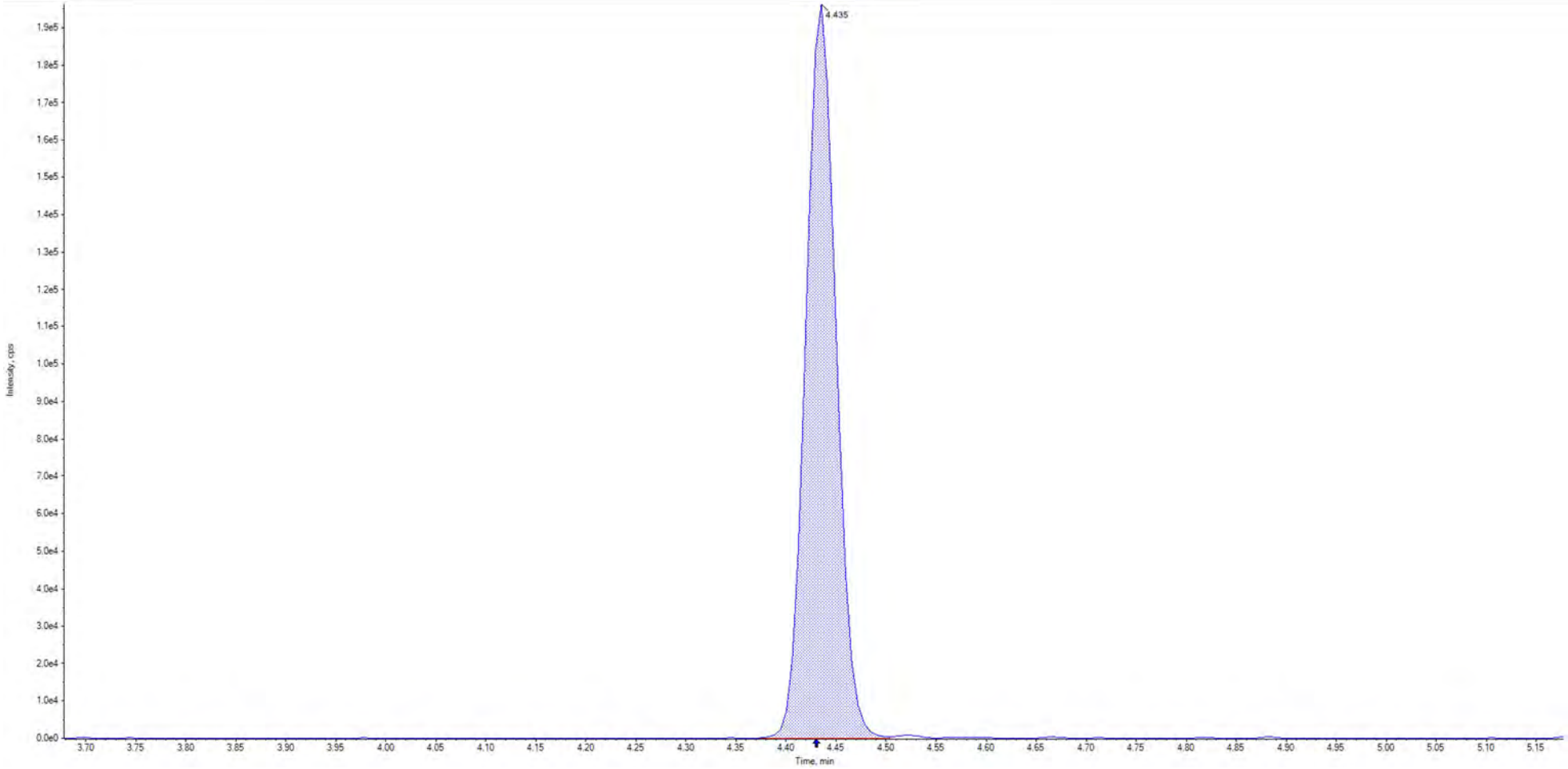
13C9-PFNA
Sample: WG2035470-2,INSTBLANK



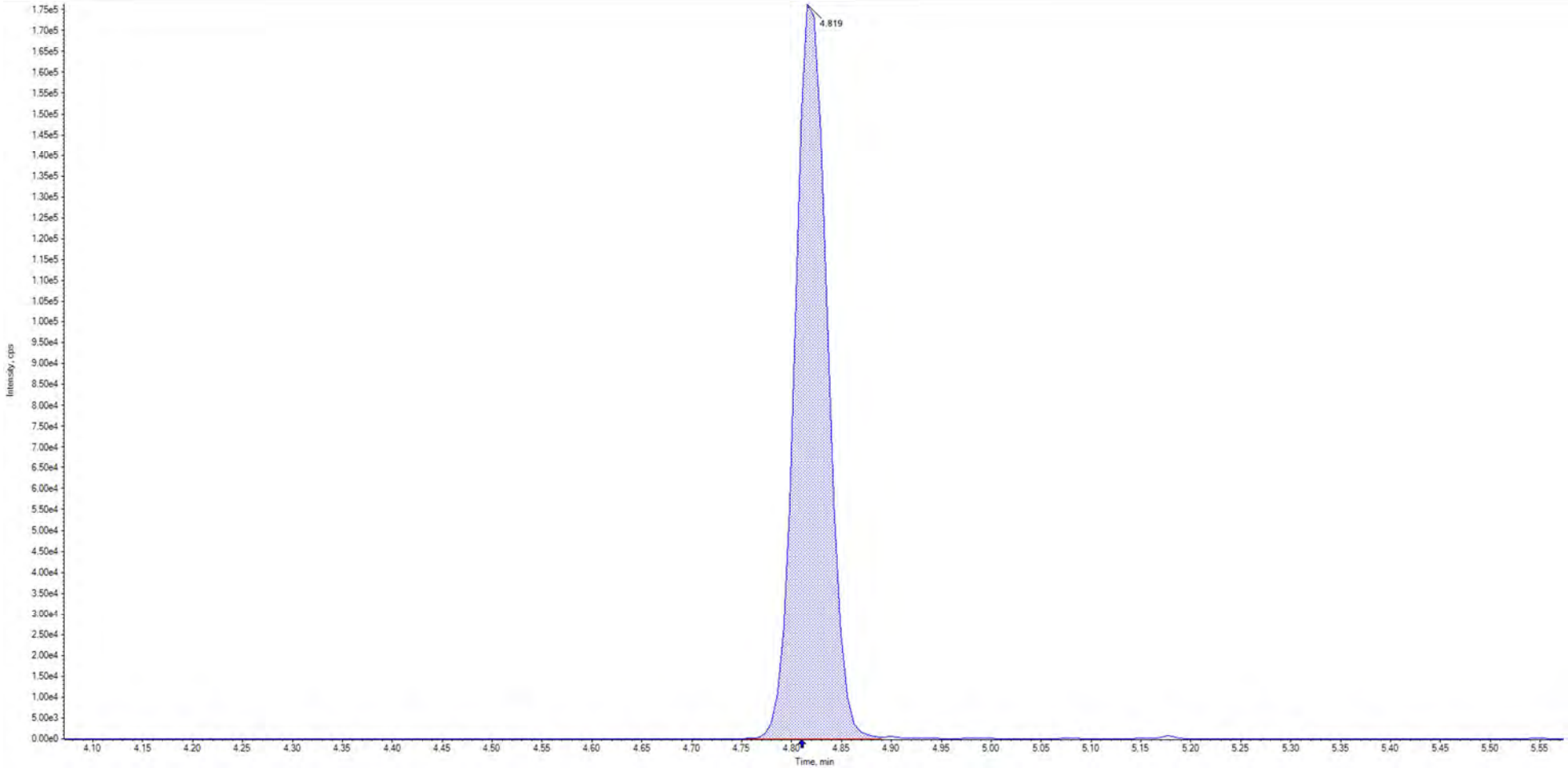
13C6-PFDA
Sample: WG2035470-2,INSTBLANK



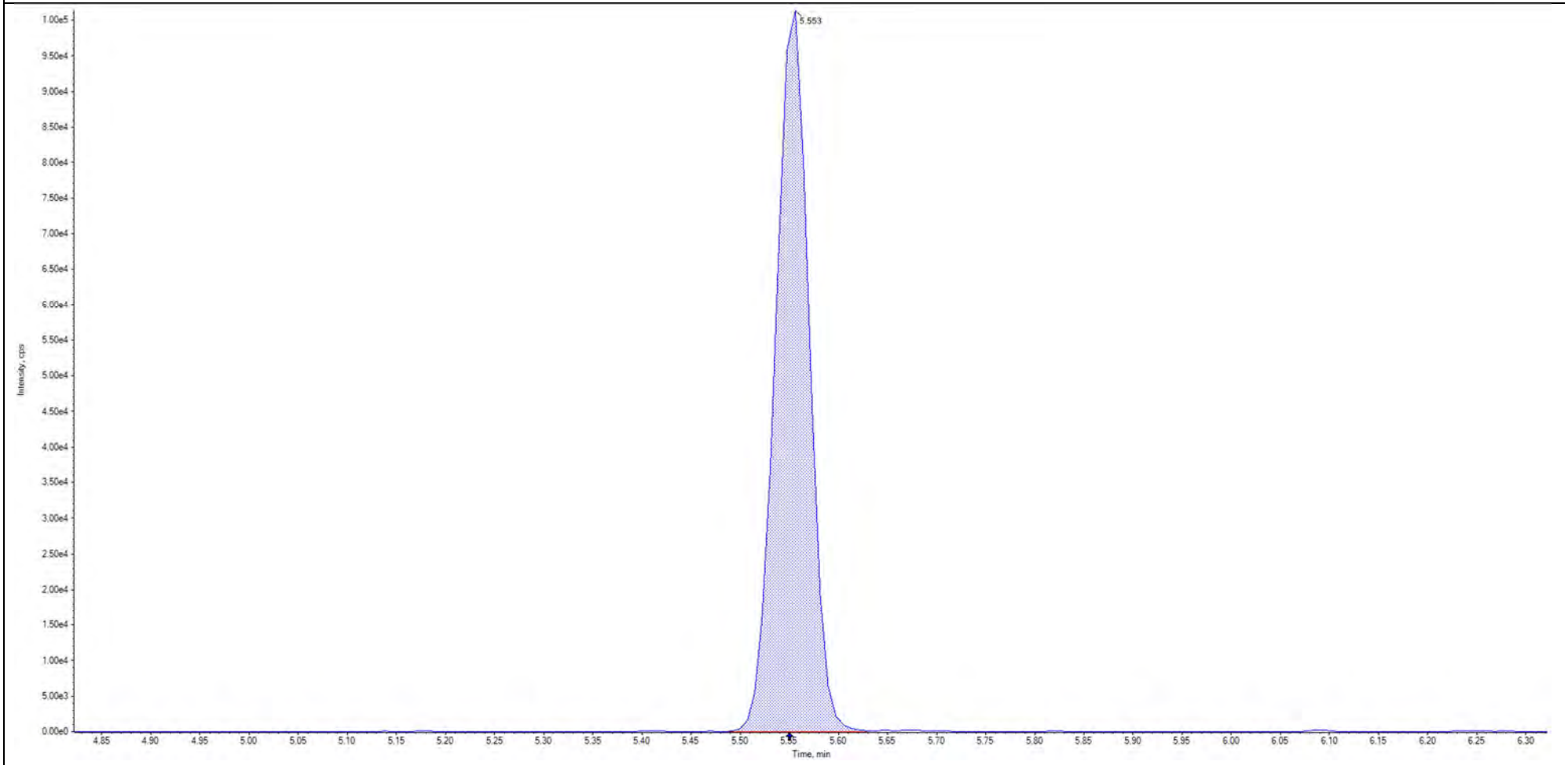
13C7-PFUnA
Sample: WG2035470-2,INSTBLANK



13C2-PFDoA
Sample: WG2035470-2,INSTBLANK

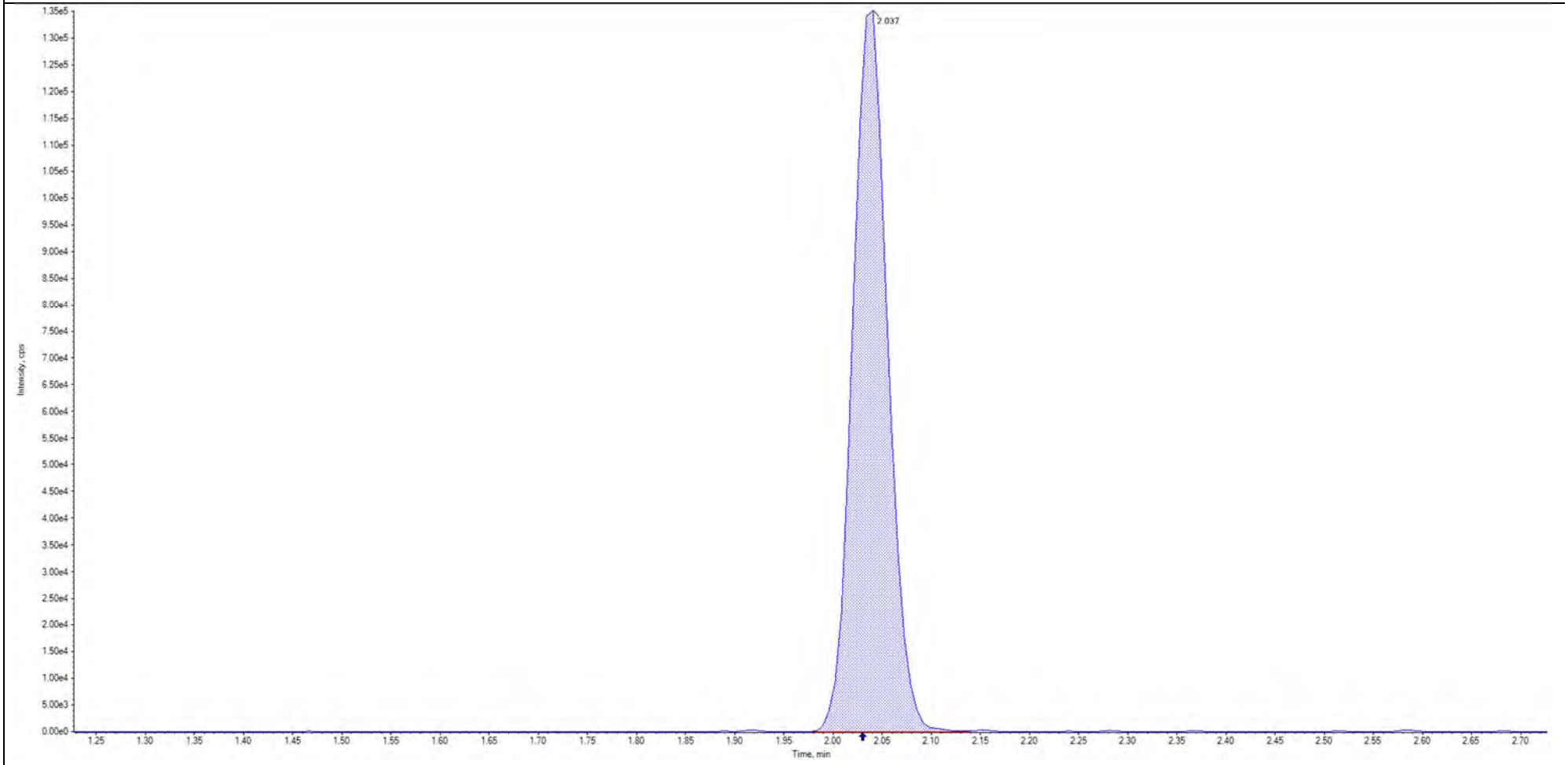


13C2-PFTeDA
Sample: WG2035470-2,INSTBLANK

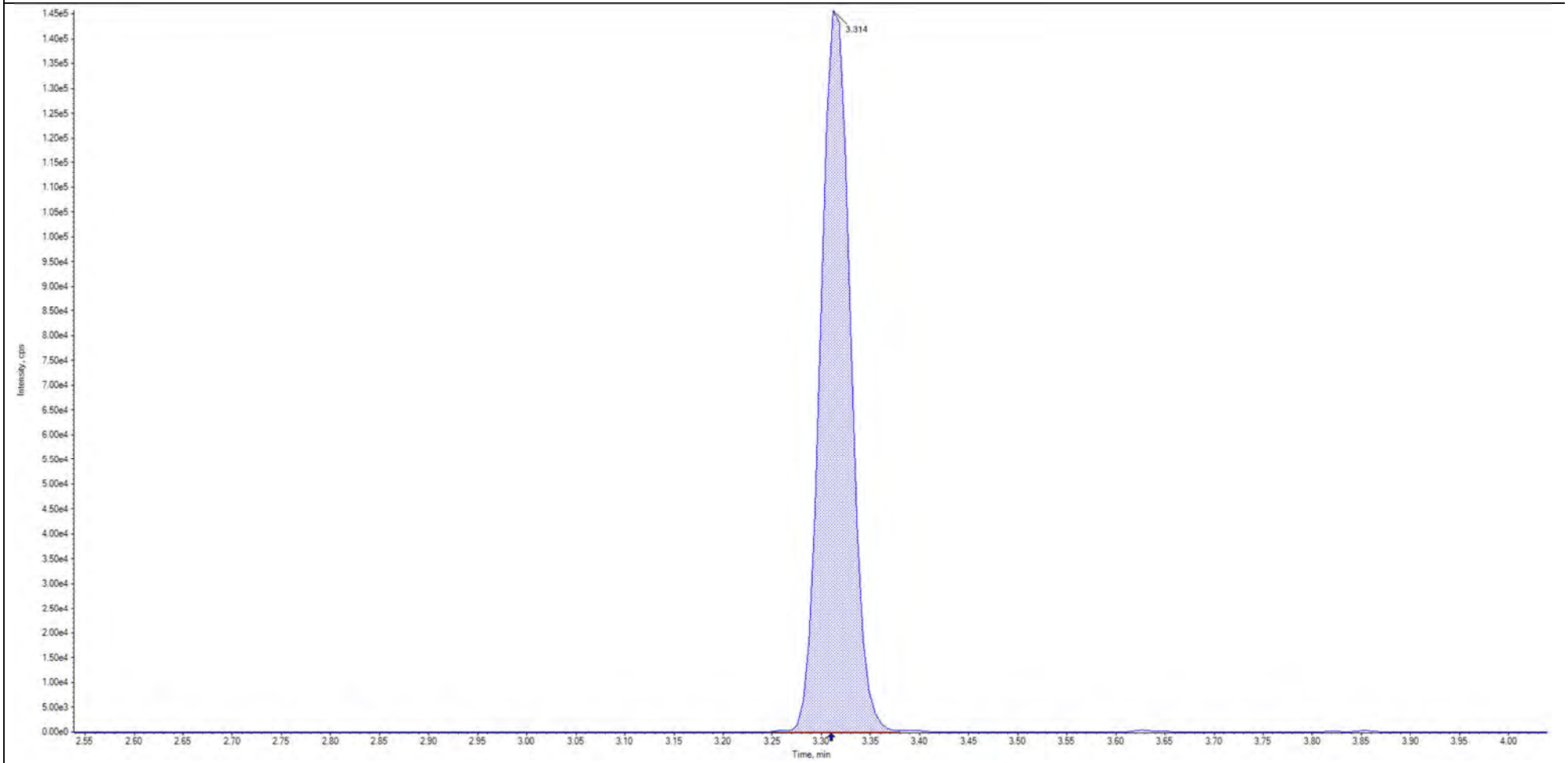


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_34.wiff2_1
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

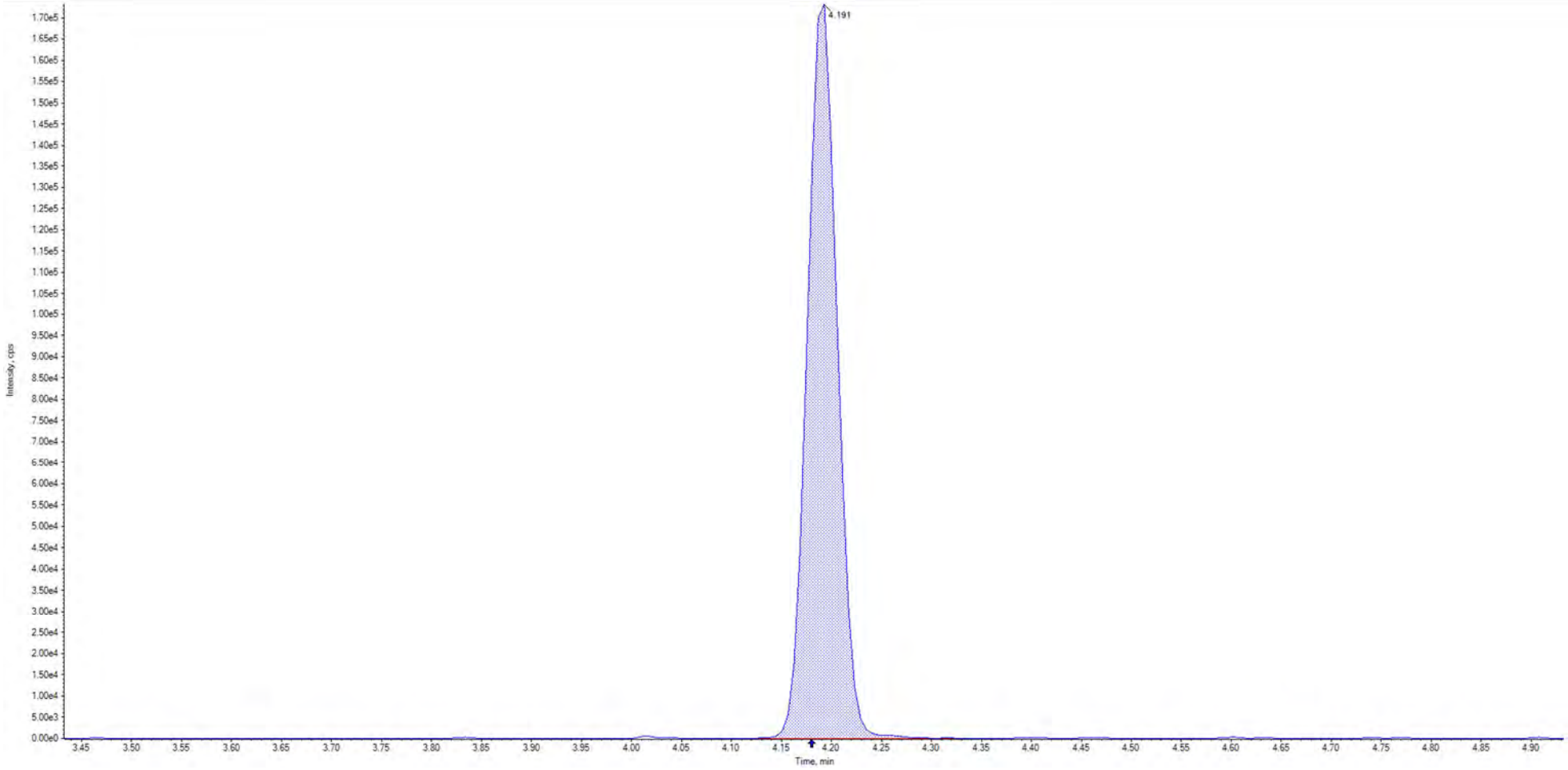
13C3-PFBS
Sample: WG2035470-2,INSTBLANK



13C3-PFHxS
Sample: WG2035470-2,INSTBLANK

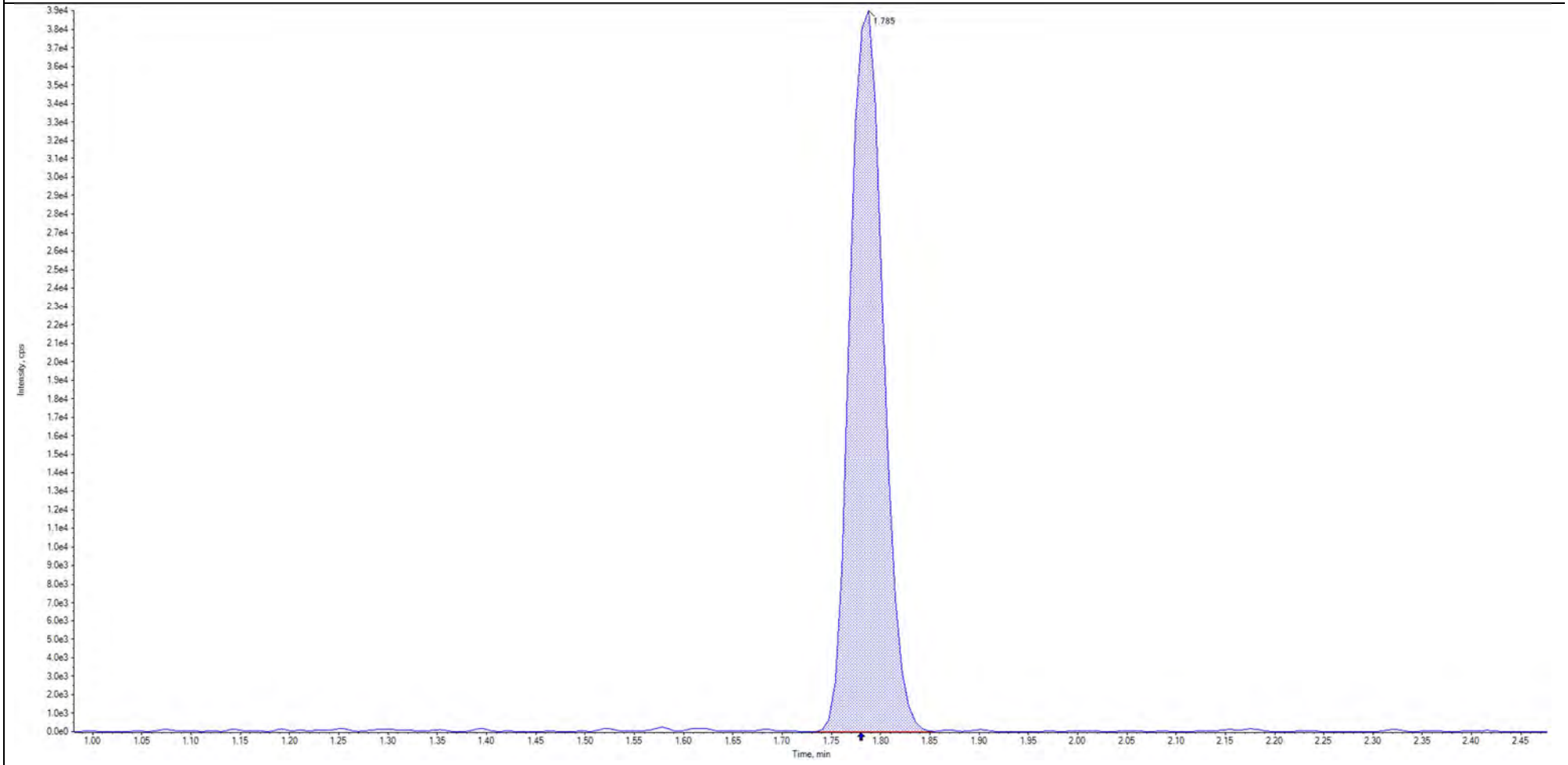


13C8-PFOS
Sample: WG2035470-2,INSTBLANK

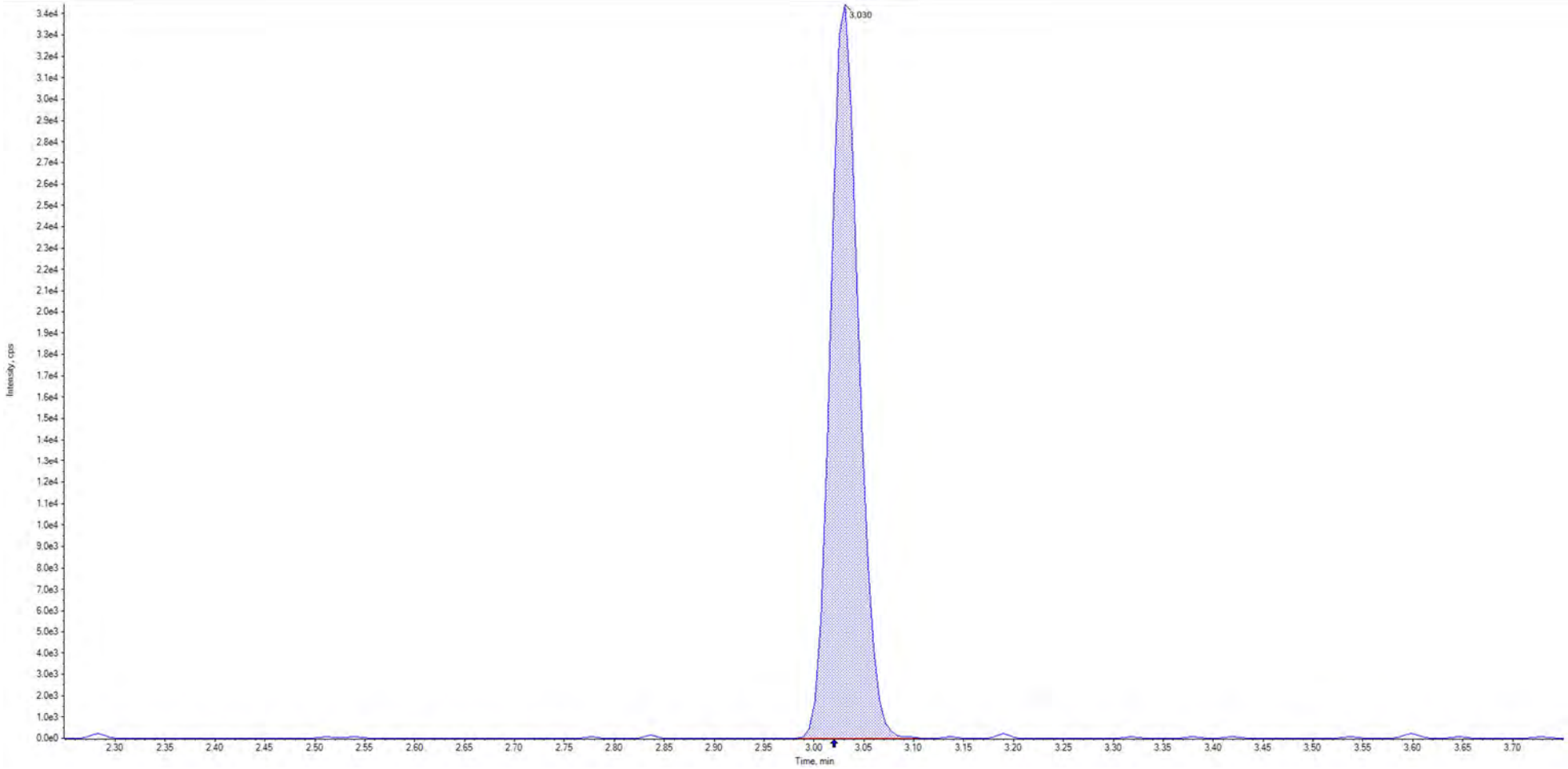


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_34.wiff2_1
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

13C2-4:2FTS
Sample: WG2035470-2,INSTBLANK

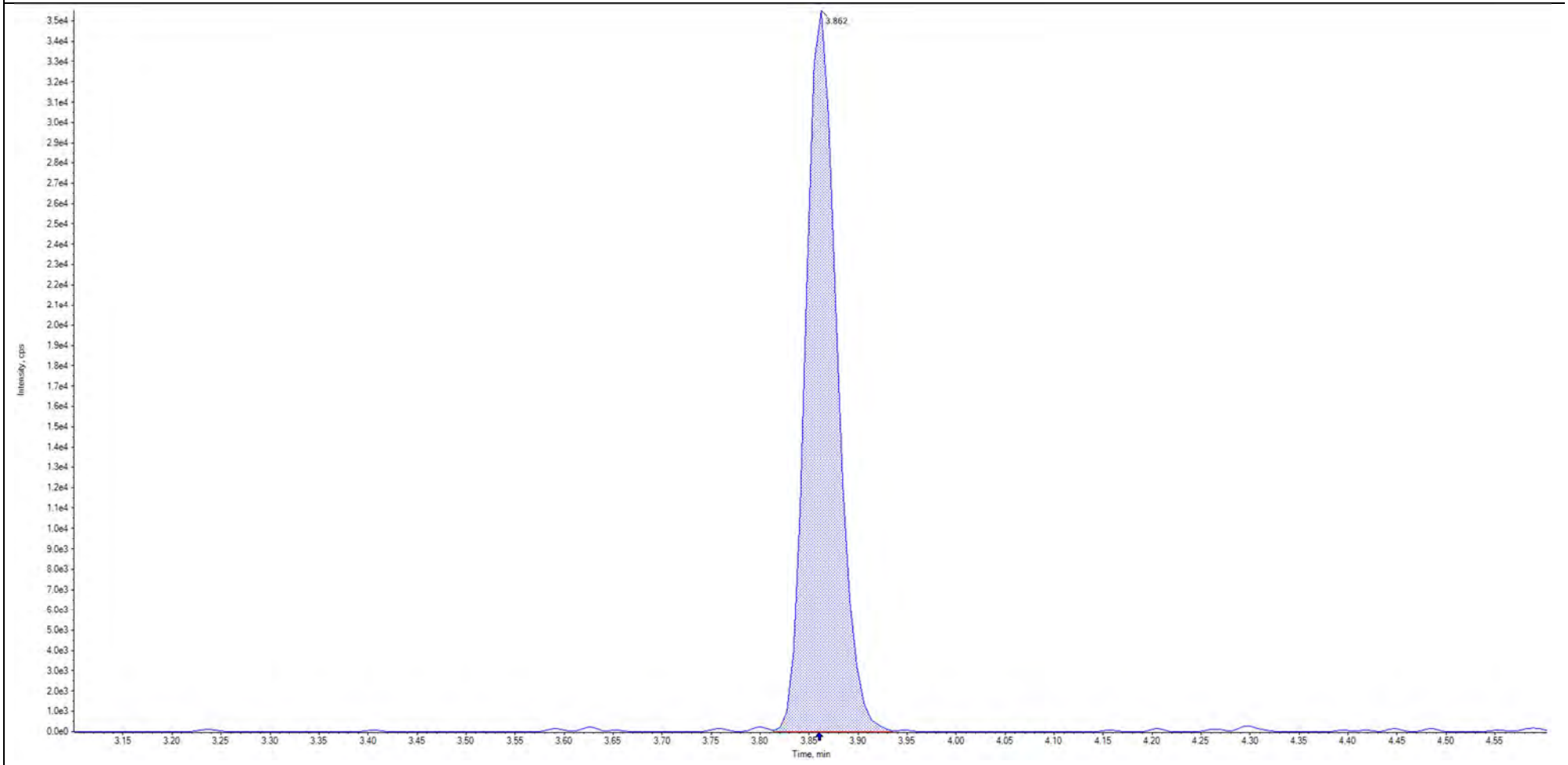


13C2-6:2FTS
Sample: WG2035470-2,INSTBLANK



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_34.wiff2_1
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

13C2-8:2FTS
Sample: WG2035470-2,INSTBLANK



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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13C8-PFOSA
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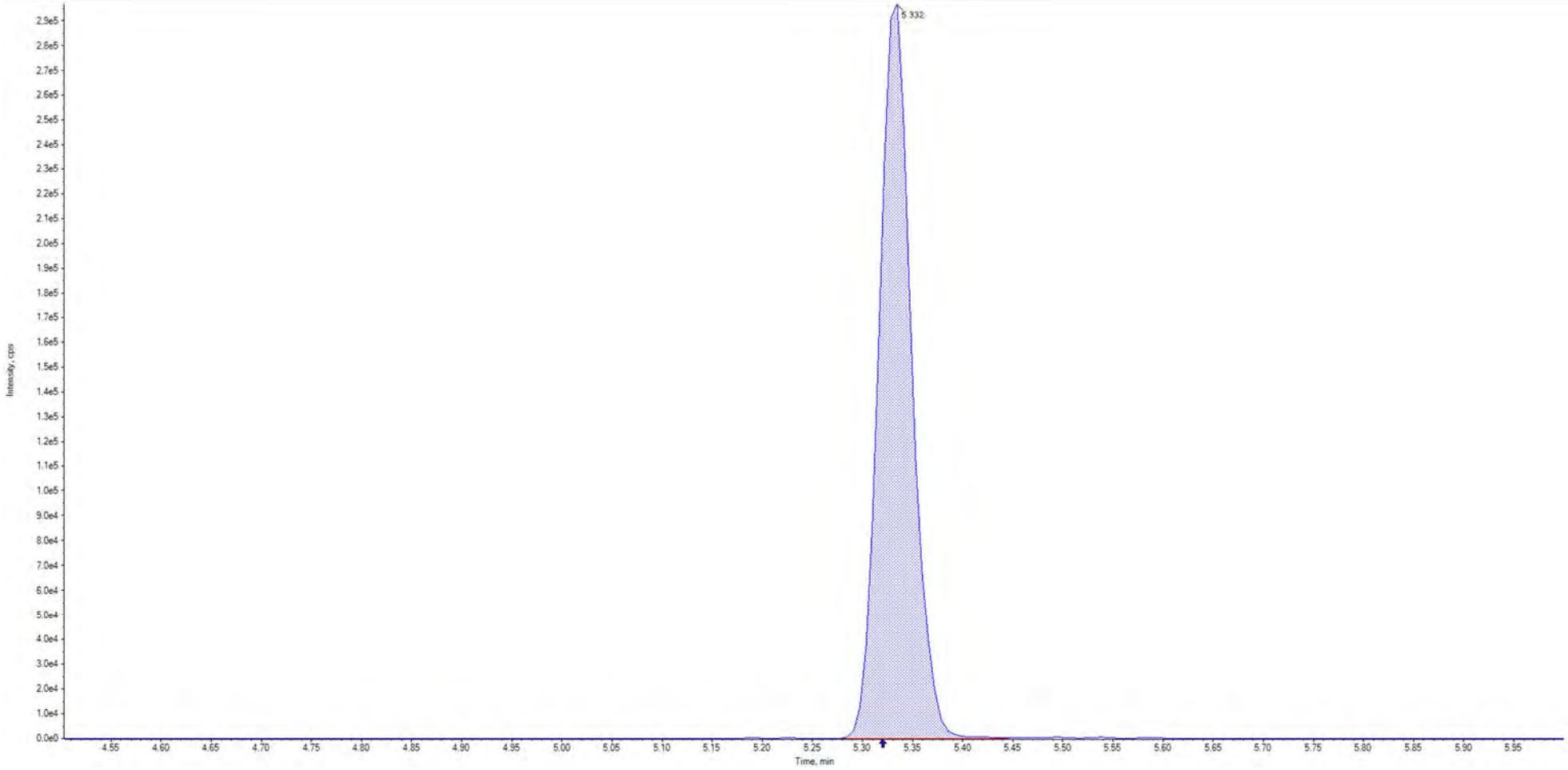

d3-NMeFOSA
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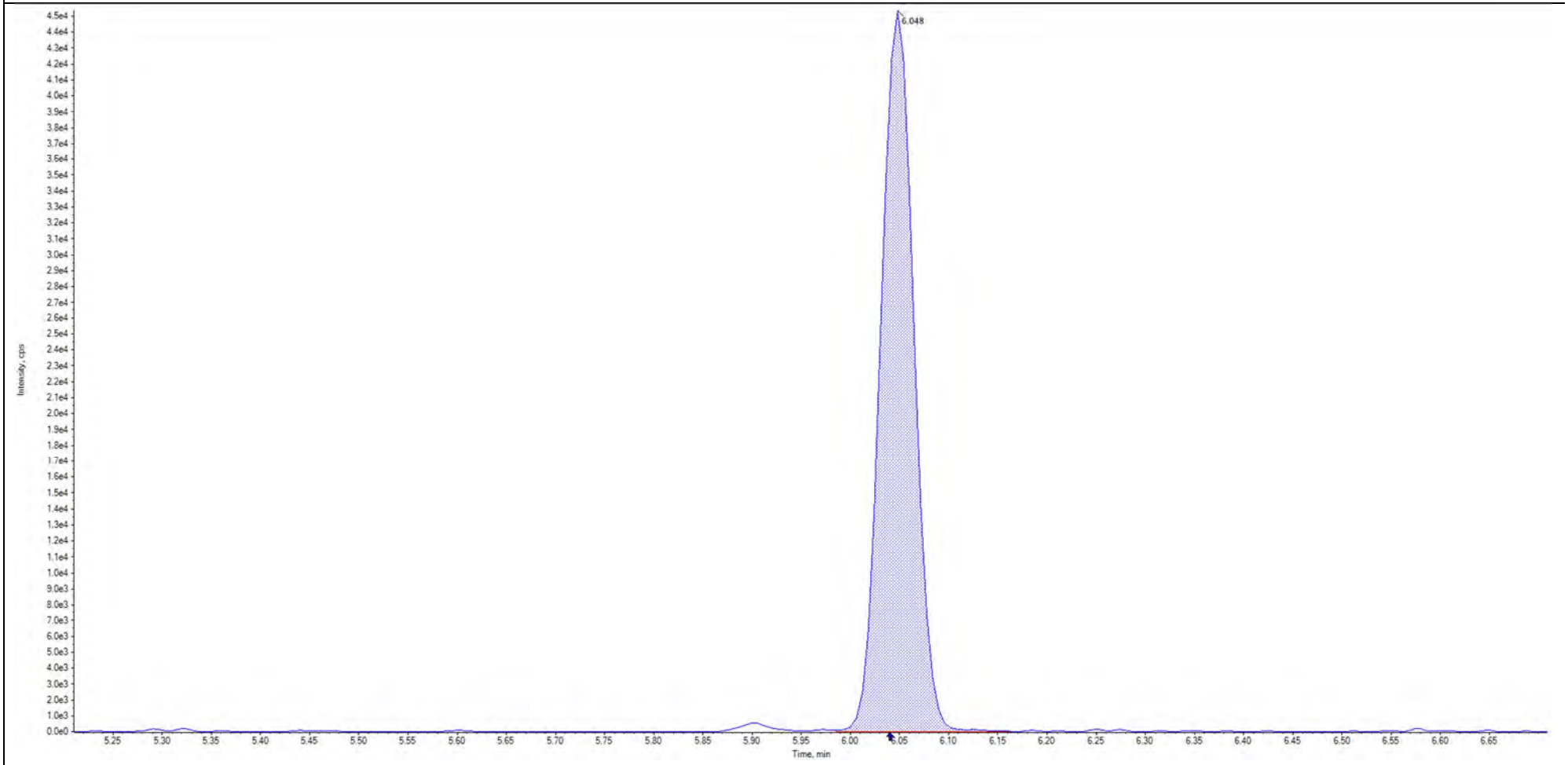

d5-NEtFOSA
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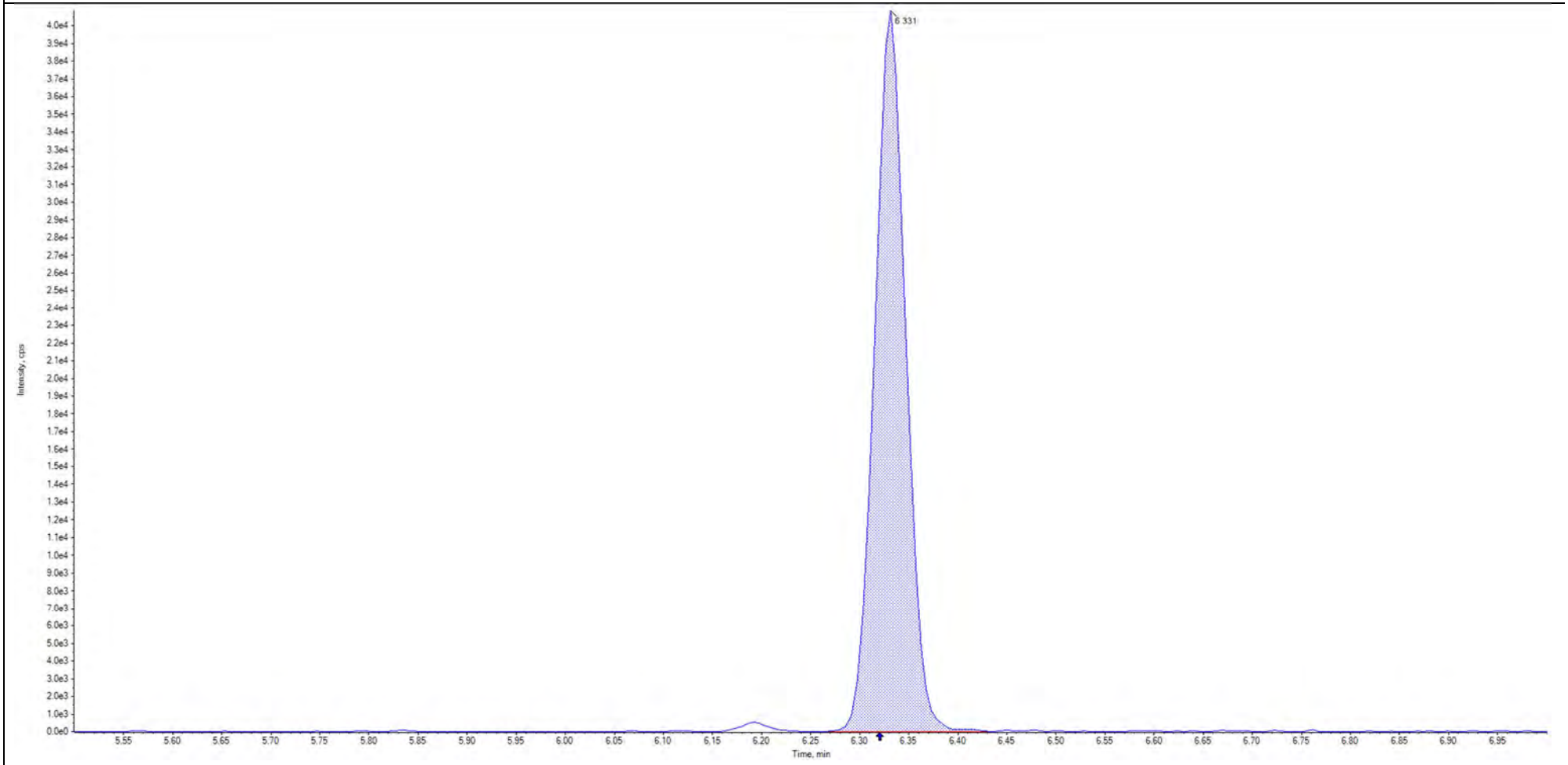

d3-NMeFOSAA
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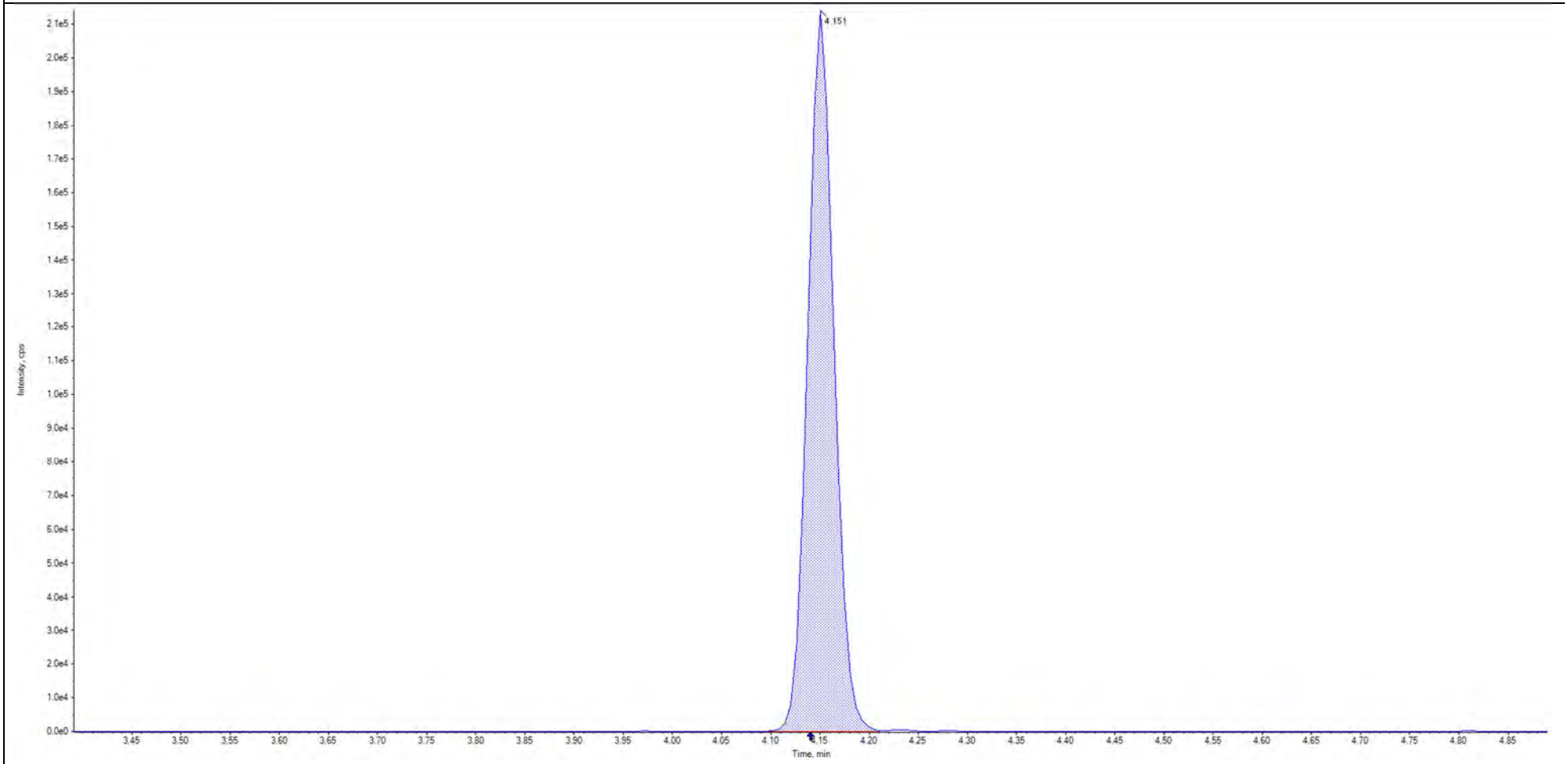

d5-NEtFOSAA
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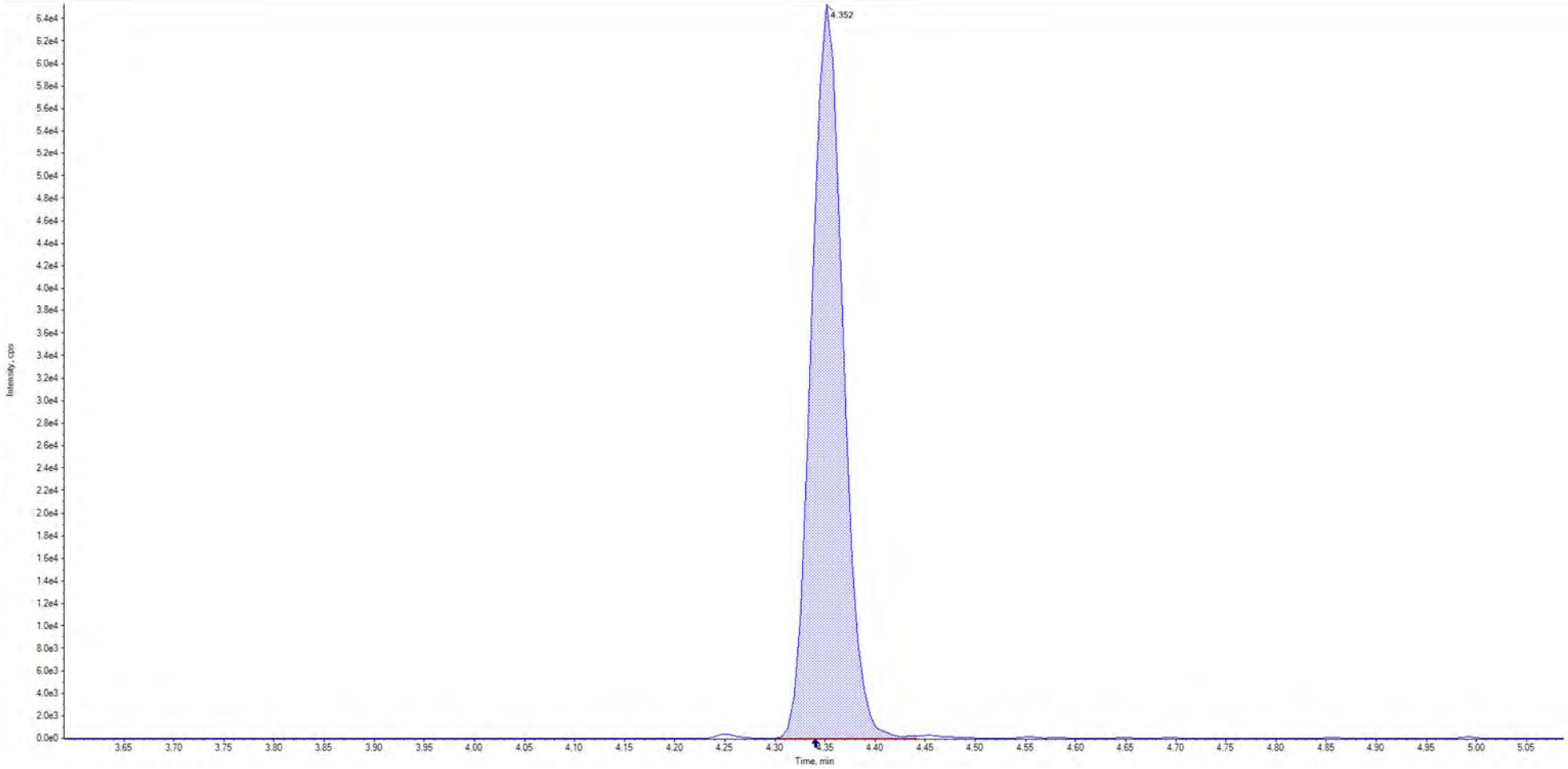
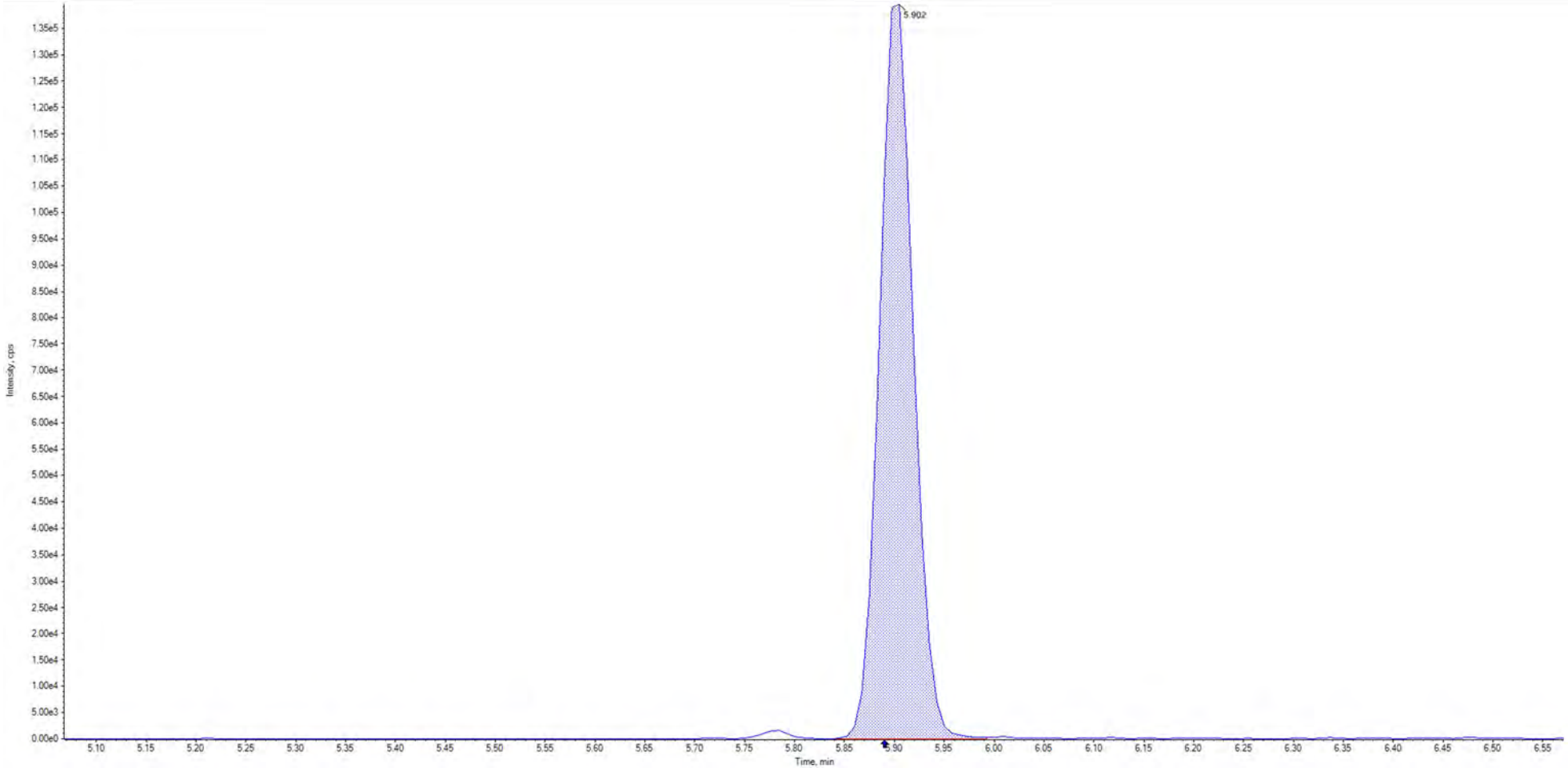
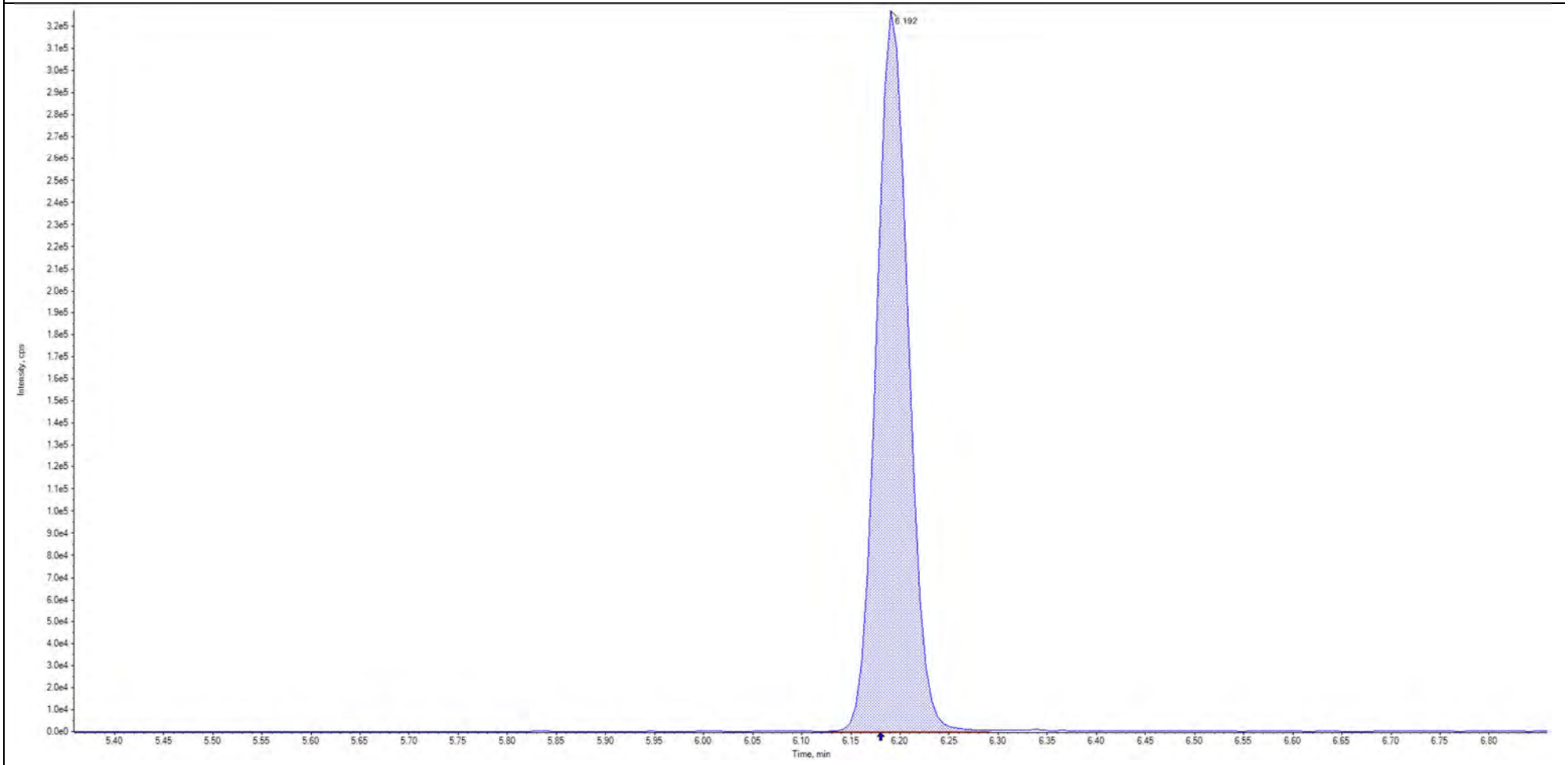


d7-NMeFOSE
Sample: WG2035470-2,INSTBLANK



d9-NEtFOSE
Sample: WG2035470-2,INSTBLANK



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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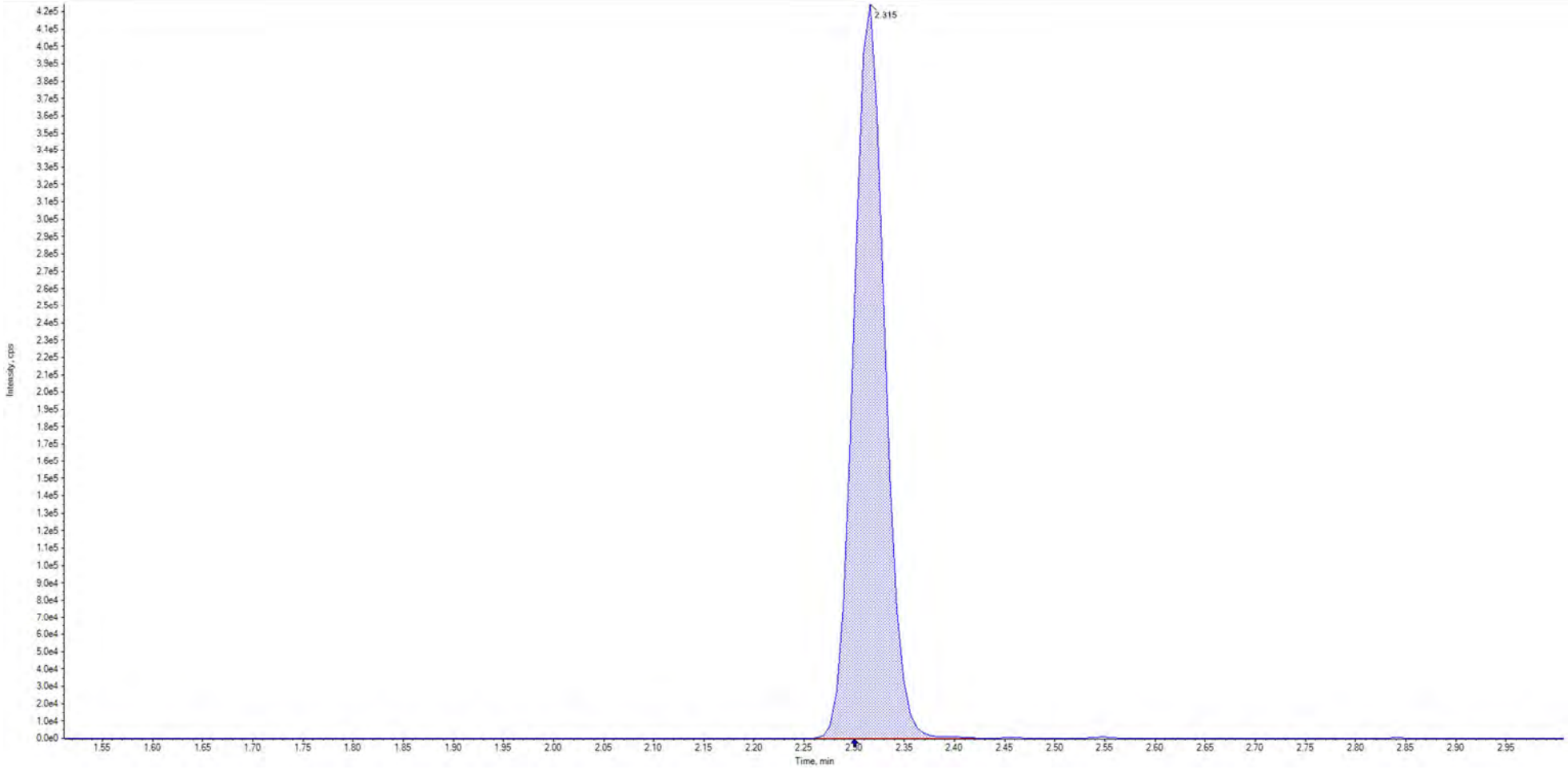
Generated: 3/1/2025 7:28:00 AM

13C3-HFPO-DA
Sample: WG2035470-2,INSTBLANK



13C3-PFBA
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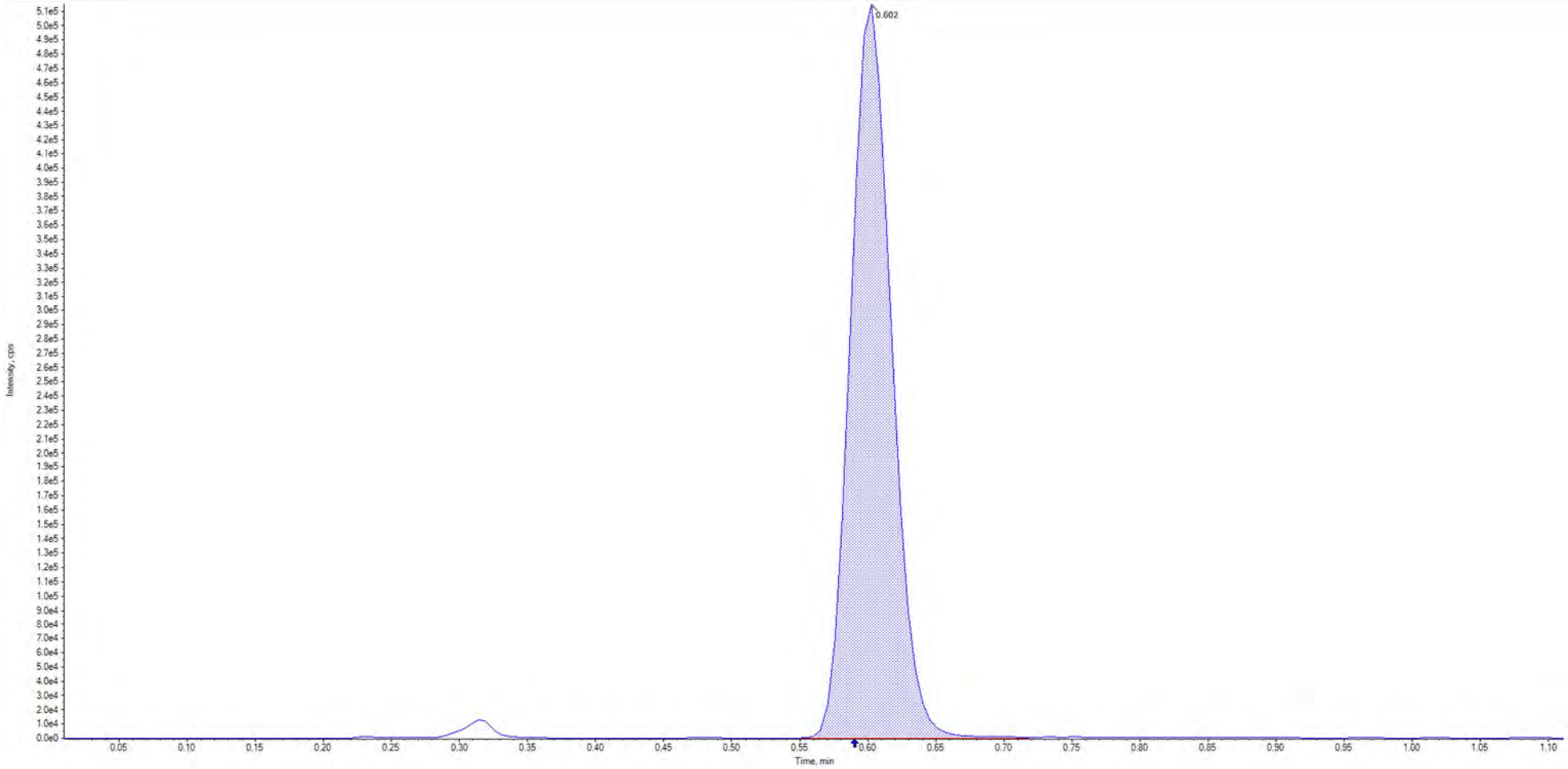

13C2-PFHxA
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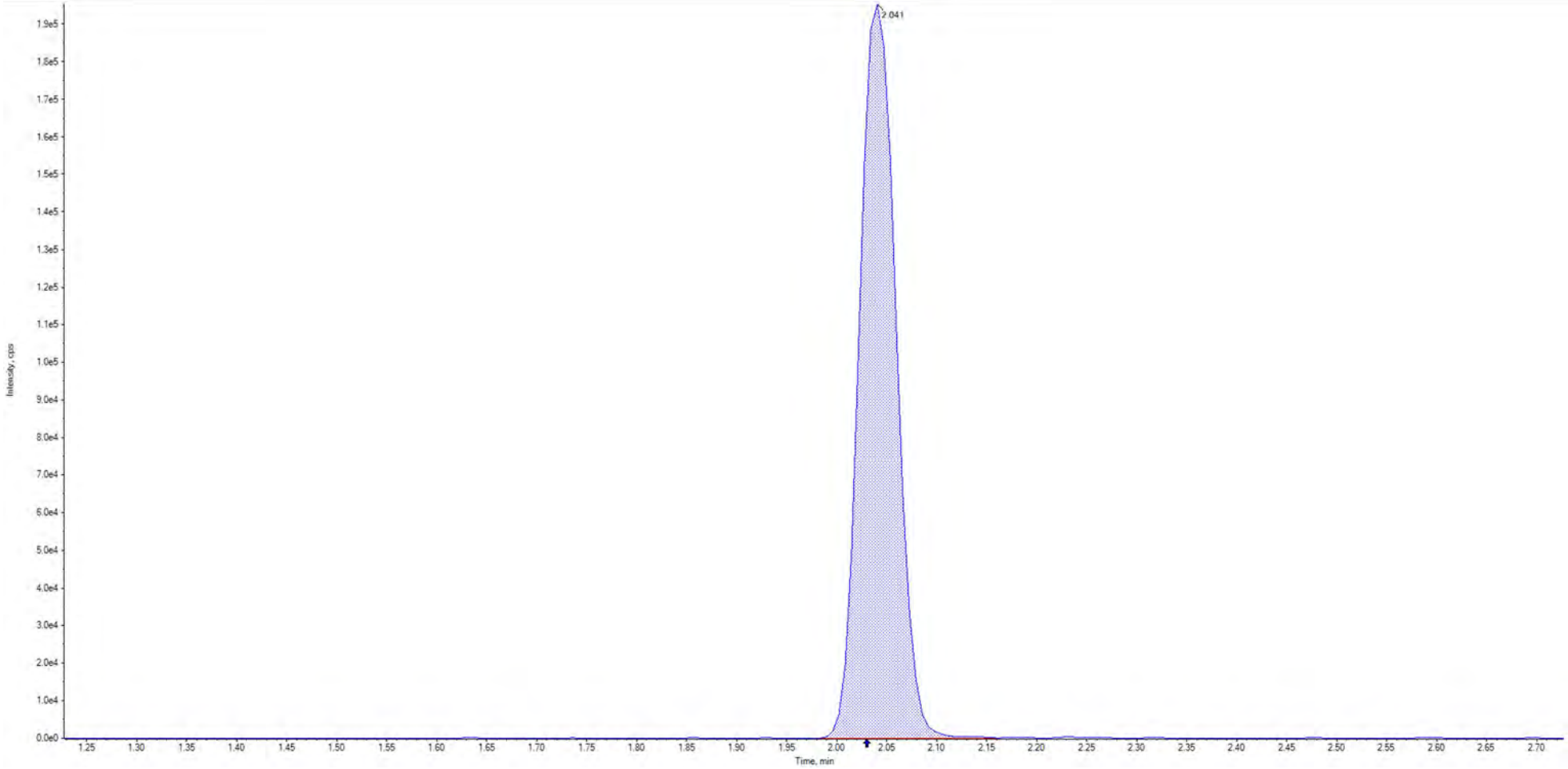
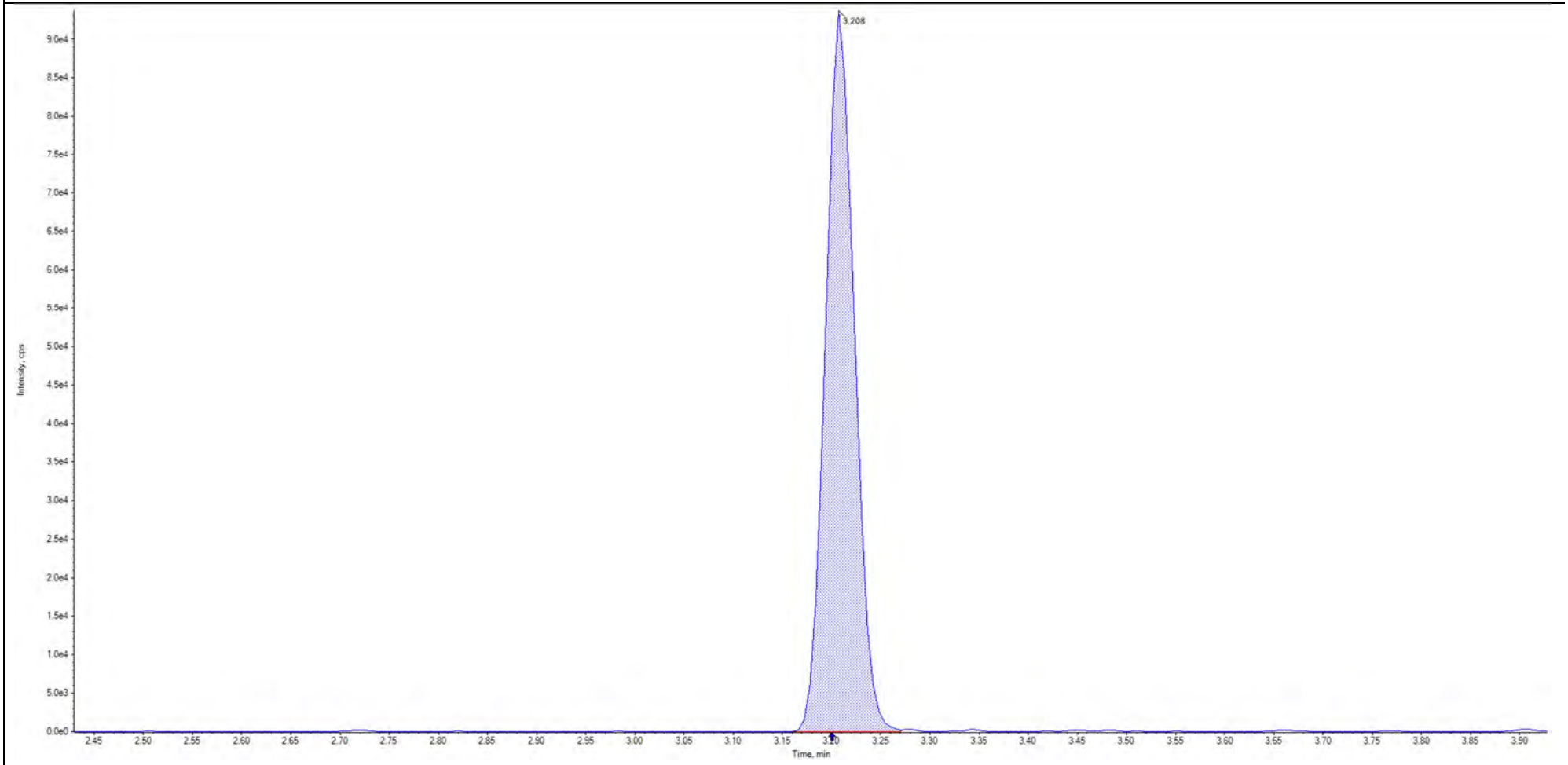
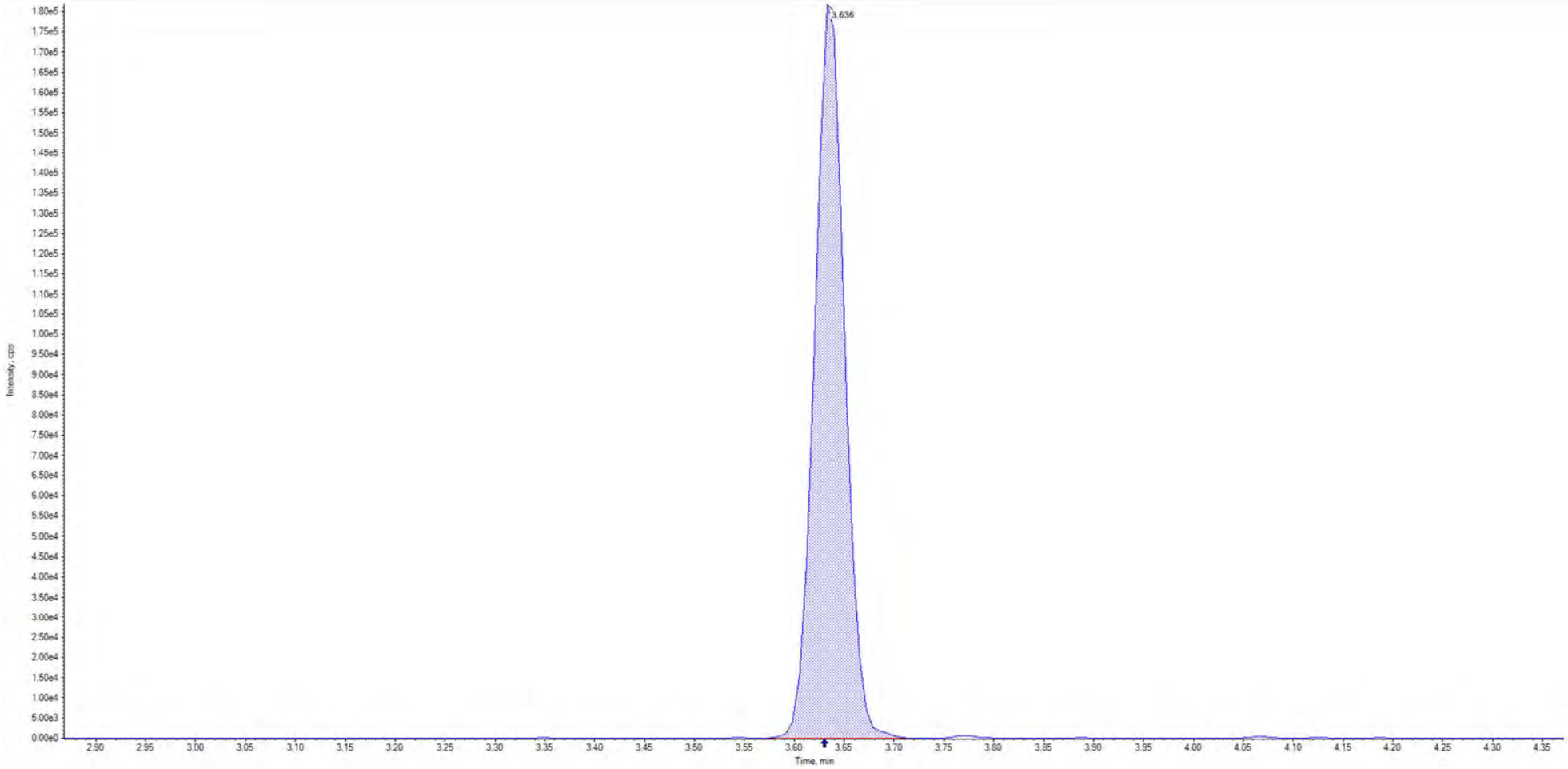


13C4-PFOA
Sample: WG2035470-2,INSTBLANK



13C5-PFNA
Sample: WG2035470-2,INSTBLANK



13C2-PFDA
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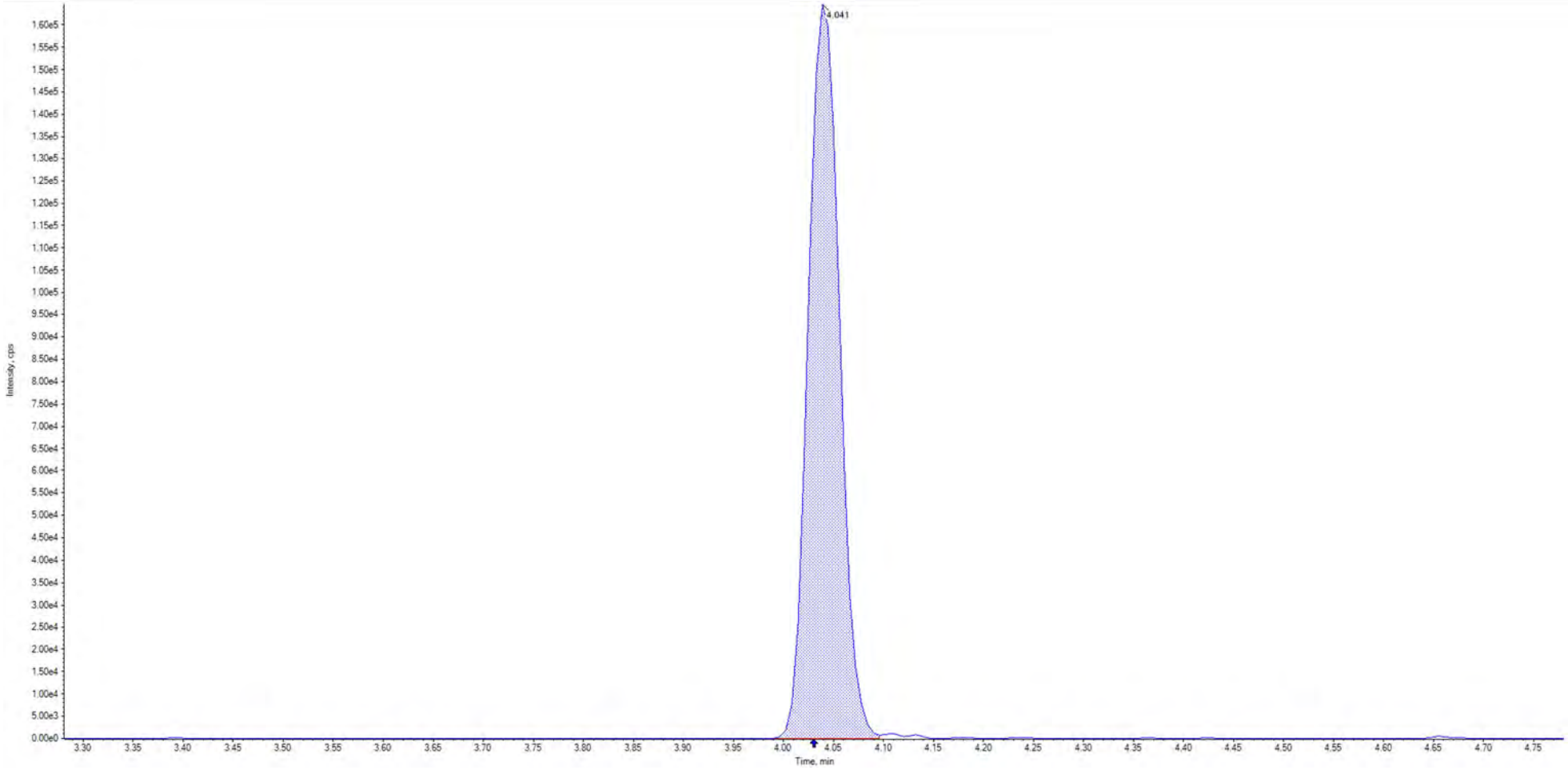

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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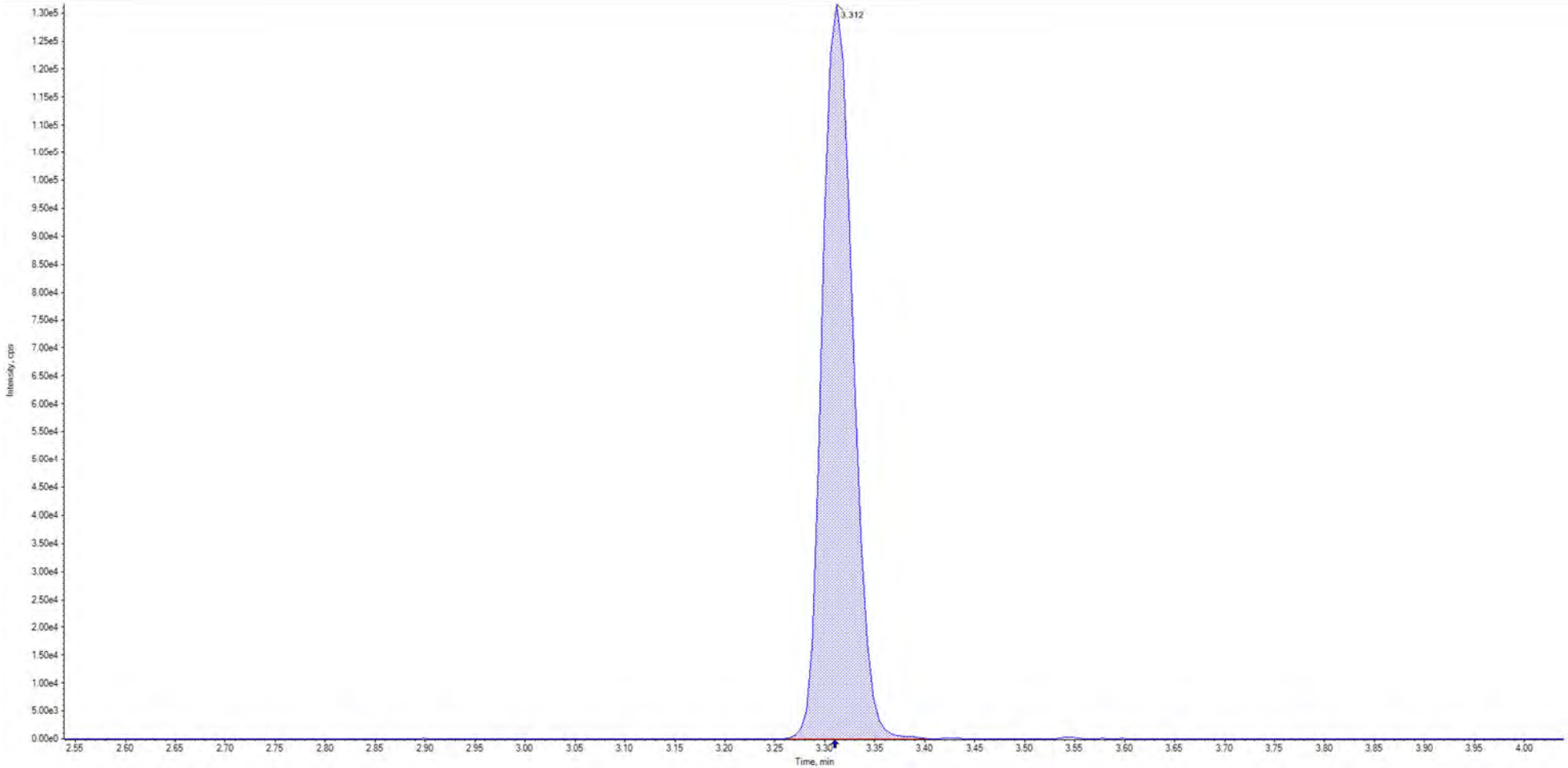
Generated: 3/1/2025 7:28:00 AM

18O2-PFHxS
Sample: WG2035470-2,INSTBLANK



13C4-PFOS
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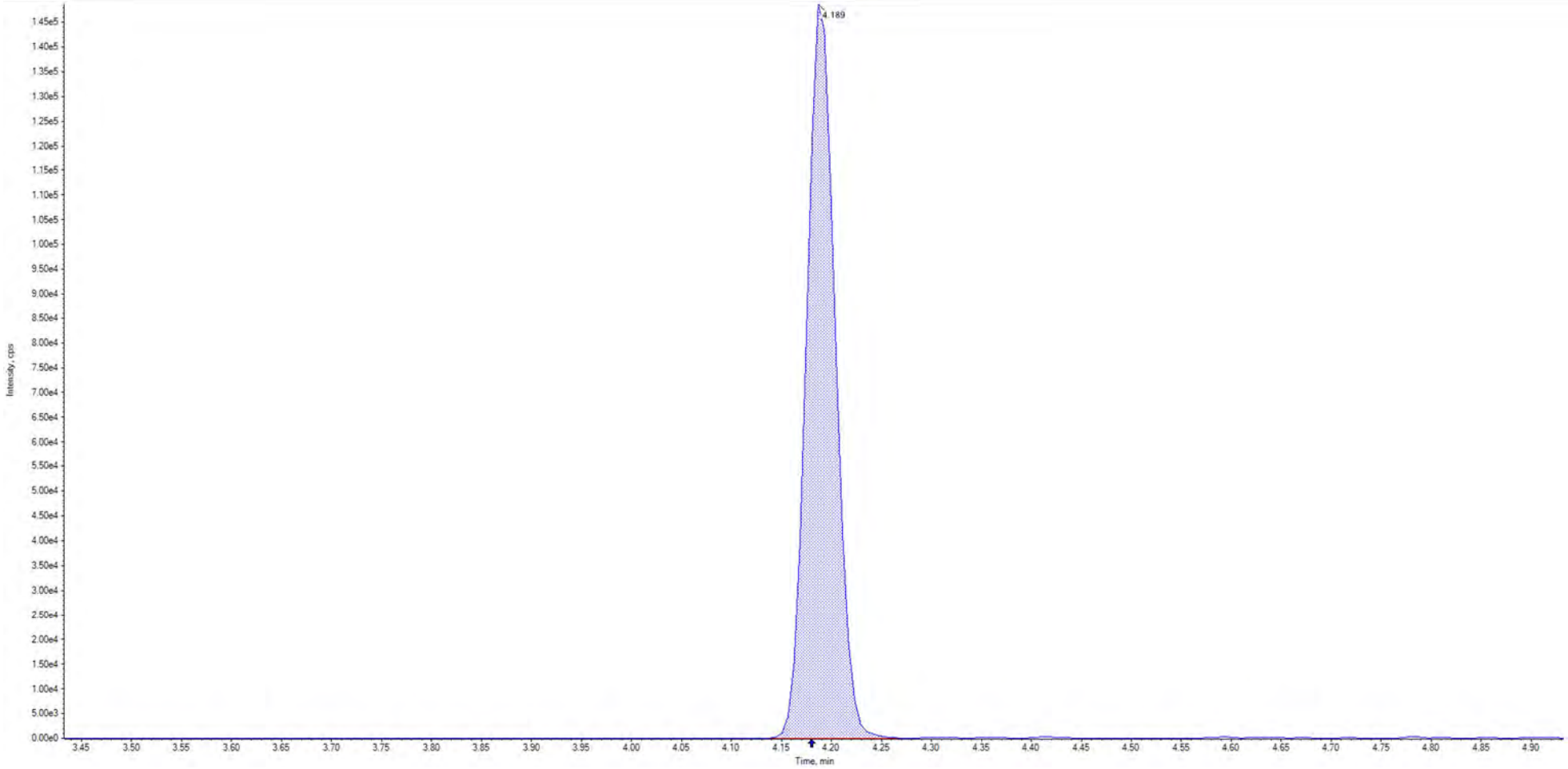

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Generated: 3/1/2025 7:28:00 AM

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_35.wiff2_2
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

Method: EPA1633F_250228A.qmethod
Calibration: 250228_EPA1633_ICAL

ID: WG2035470-3,INSTBLANK
Name: SCI07_250228_35.wiff2
Date & Time: 2025-02-28T13:51:30
Description: WG2035470
Instrument: SCIEX Triple Quad 5500+
User: LCMS07: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	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	0.067	N/A	N/A
5	PFHxA_2	307-24-4	N/A	313.0 / 119.0	N/A		N/A	N/A	0.067	N/A	N/A
6	PFHpA	375-85-9	N/A	363.1 / 319.0	N/A		N/A	N/A	0.345	N/A	N/A
7	PFHpA_2	375-85-9	N/A	363.1 / 169.0	N/A		N/A	N/A	0.345	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	0.365	N/A	N/A
9	PFOA_2	335-67-1	N/A	413.1 / 169.0	N/A		N/A	N/A	0.365	N/A	N/A
10	PFNA	375-95-1	N/A	462.8 / 418.9	N/A		N/A	N/A	0.352	N/A	N/A
11	PFNA_2	375-95-1	N/A	462.8 / 219.0	N/A		N/A	N/A	0.352	N/A	N/A
12	PFDA	335-76-2	N/A	513.1 / 469.1	N/A		N/A	N/A	0.185	N/A	N/A
13	PFDA_2	335-76-2	N/A	513.1 / 219.0	N/A		N/A	N/A	0.185	N/A	N/A
14	PFUnA	2058-94-8	4.43	563.1 / 519.1	9261		0.040	0.088	0.166	Pass	N/A
15	PFUnA_2	2058-94-8	4.42	563.1 / 269.0	819	M2	0.021	0.088	0.166	Pass	N/A
16	PFDoA	307-55-1	4.82	613.1 / 569.1	10572		0.042	0.144	0.150	Pass	N/A
17	PFDoA_2	307-55-1	4.81	613.1 / 319.0	1525	M2	0.038	0.144	0.150	Pass	N/A
18	PFTrDA	72629-94-8	5.19	663.1 / 619.1	9839		0.042	0.060	0.134	Fail	N/A
19	PFTrDA_2	72629-94-8	5.19	663.1 / 169.0	590	M2	0.017	0.060	0.134	Fail	N/A
20	PFTeDA	376-06-7	5.55	713.1 / 669.1	7350		0.037	0.099	0.150	Pass	N/A
21	PFTeDA_2	376-06-7	5.56	713.1 / 169.0	728	M2	0.023	0.099	0.150	Pass	N/A
22	PFBS	375-73-5	N/A	299.1 / 80.1	N/A		N/A	N/A	0.341	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	0.341	N/A	N/A
24	PFPeS	2706-91-4	N/A	349.1 / 80.1	N/A		N/A	N/A	0.296	N/A	N/A
25	PFPeS_2	2706-91-4	N/A	349.1 / 99.1	N/A		N/A	N/A	0.296	N/A	N/A
26	PFHxS	355-46-4	N/A	399.1 / 80.1	N/A		N/A	N/A	0.298	N/A	N/A
27	PFHxS_2	355-46-4	N/A	399.1 / 99.1	N/A		N/A	N/A	0.298	N/A	N/A
28	PFHpS	375-92-8	N/A	449.1 / 80.1	N/A		N/A	N/A	0.277	N/A	N/A
29	PFHpS_2	375-92-8	N/A	449.1 / 99.1	N/A		N/A	N/A	0.277	N/A	N/A
30	PFOS	1763-23-1	4.19	499.1 / 80.1	6073	M5	0.037	0.169	0.236	Pass	N/A
31	PFOS_2	1763-23-1	4.18	499.1 / 99.1	1029	M2	0.027	0.169	0.236	Pass	N/A
32	PFNS	68259-12-1	N/A	549.1 / 80.1	N/A		N/A	N/A	0.265	N/A	N/A
33	PFNS_2	68259-12-1	N/A	549.1 / 99.1	N/A		N/A	N/A	0.265	N/A	N/A
34	PFDS	335-77-3	N/A	599.1 / 80.1	N/A		N/A	N/A	0.275	N/A	N/A
35	PFDS_2	335-77-3	N/A	599.1 / 99.1	N/A		N/A	N/A	0.275	N/A	N/A
36	PFDoS	79780-39-5	5.71	699.2 / 80.1	3594		0.030	0.395	0.245	Fail	N/A
37	PFDoS_2	79780-39-5	5.71	699.2 / 99.1	1419	M2	0.047	0.395	0.245	Fail	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	0.542	N/A	N/A
39	4:2FTS_2	757124-72-4	N/A	327.1 / 81.1	N/A		N/A	N/A	0.542	N/A	N/A
40	6:2FTS	27619-97-2	N/A	427.2 / 407.2	N/A		N/A	N/A	0.555	N/A	N/A
41	6:2FTS_2	27619-97-2	N/A	427.2 / 81.1	N/A		N/A	N/A	0.555	N/A	N/A
42	8:2FTS	39108-34-4	3.86	527.2 / 507.2	2620		0.143	0.380	0.824	Fail	N/A
43	8:2FTS_2	39108-34-4	3.86	527.2 / 81.1	997	M2	0.071	0.380	0.824	Fail	N/A
44	PFOSA	754-91-6	N/A	498.1 / 78.1	N/A		N/A	N/A	0.029	N/A	N/A
45	PFOSA_2	754-91-6	N/A	498.1 / 478.0	N/A		N/A	N/A	0.029	N/A	N/A
46	NMeFOSA	31506-32-8	N/A	512.2 / 219.0	N/A		N/A	N/A	1.426	N/A	N/A
47	NMeFOSA_2	31506-32-8	N/A	512.2 / 169.0	N/A		N/A	N/A	1.426	N/A	N/A
48	NEtFOSA	4151-50-2	N/A	526.2 / 219.0	N/A		N/A	N/A	1.166	N/A	N/A
49	NEtFOSA_2	4151-50-2	N/A	526.2 / 169.0	N/A		N/A	N/A	1.166	N/A	N/A
50	NMeFOSAA	2355-31-9	4.15	570.2 / 419.1	3724		0.064	0.326	0.729	Fail	N/A
51	NMeFOSAA_2	2355-31-9	4.15	570.2 / 483.0	1216	M2	0.030	0.326	0.729	Fail	N/A
52	NEtFOSAA	2991-50-6	N/A	584.2 / 419.1	N/A		N/A	N/A	0.453	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	0.453	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	6.21	630.0 / 58.9	6370	M5	0.071	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	0.892	N/A	N/A
57	HFPO-DA_2	13252-13-6	N/A	285.0 / 184.9	N/A		N/A	N/A	0.892	N/A	N/A
58	ADONA	919005-14-4	N/A	376.9 / 251.0	N/A		N/A	N/A	0.444	N/A	N/A
59	ADONA_2	919005-14-4	N/A	376.9 / 84.8	N/A		N/A	N/A	0.444	N/A	N/A
60	9Cl-PF3ONS	756426-58-1	4.46	530.8 / 351.1	35612		0.091	0.374	0.359	Pass	N/A
61	9Cl-PF3ONS_2	756426-58-1	4.46	532.8 / 353.0	13323		0.098	0.374	0.359	Pass	N/A
62	11Cl-PF3OUdS	763051-92-9	5.24	630.9 / 451.0	41259		0.136	0.332	0.348	Pass	N/A
63	11Cl-PF3OUdS_2	763051-92-9	5.23	632.9 / 452.9	13692		0.132	0.332	0.348	Pass	N/A
64	3:3FTCA	356-02-5	N/A	241.1 / 177.1	N/A		N/A	N/A	0.698	N/A	N/A
65	3:3FTCA_2	356-02-5	N/A	241.1 / 117.0	N/A		N/A	N/A	0.698	N/A	N/A
66	5:3FTCA	914637-49-3	N/A	341.1 / 237.1	N/A		N/A	N/A	0.979	N/A	N/A
67	5:3FTCA_2	914637-49-3	N/A	341.1 / 217.0	N/A		N/A	N/A	0.979	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	4.20	441.1 / 316.9	2863		0.121	1.667	2.144	Pass	N/A
69	7:3FTCA_2	812-70-4	4.20	441.1 / 337.1	4774	M4	0.099	1.667	2.144	Pass	N/A
70	PFEESA	113507-82-7	N/A	315.1 / 135.0	N/A		N/A	N/A	0.077	N/A	N/A
71	PFEESA_2	113507-82-7	N/A	315.1 / 82.9	N/A		N/A	N/A	0.077	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	0.632	N/A	N/A
75	NFDHA_2	151772-58-6	N/A	295.0 / 84.9	N/A		N/A	N/A	0.632	N/A	N/A
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	4.812	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	4.812	N/A	N/A
78	13C2D4-4:2FTS	Surr	1.78	333.2 / 312.1	135745		4.834	N/A	N/A	N/A	N/A
79	13C2-PFOA	Surr	3.20	415.0 / 370.0	198409		2.292	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	0.61	217.0 / 172.0	2317412		9.626	NA	NA	NA	96.3

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C5-PFPeA	EIS	1.21	268.0 / 223.0	692595		4.817	NA	NA	NA	96.3
13C5-PFHxA	EIS	2.04	318.0 / 273.0	313907		2.358	NA	NA	NA	94.3
13C4-PFHpA	EIS	2.71	367.0 / 322.0	603441		2.499	NA	NA	NA	100.0
13C8-PFOA	EIS	3.20	420.8 / 376.0	664233		2.535	NA	NA	NA	101.4
13C9-PFNA	EIS	3.63	472.0 / 427.0	348928		1.357	NA	NA	NA	108.5
13C6-PFDA	EIS	4.03	519.0 / 474.0	378011		1.262	NA	NA	NA	101.0
13C7-PFUnA	EIS	4.43	570.0 / 525.0	374557		1.214	NA	NA	NA	97.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.81	615.1 / 570.0	359818		1.261	NA	NA	NA	100.9
	13C2-PFTeDA	EIS	5.55	715.1 / 670.1	219415		1.160	NA	NA	NA	92.8
	13C3-PFBS	EIS	2.03	302.1 / 80.1	353796		2.365	NA	NA	NA	101.5
	13C3-PFHxS	EIS	3.31	402.1 / 80.1	286640		2.244	NA	NA	NA	94.7
	13C8-PFOS	EIS	4.18	507.1 / 80.1	367560		2.257	NA	NA	NA	94.1
	13C2-4:2FTS	EIS	1.79	329.1 / 81.1	82329		4.321	NA	NA	NA	92.1
	13C2-6:2FTS	EIS	3.02	429.2 / 81.1	64393		4.143	NA	NA	NA	87.0
	13C2-8:2FTS	EIS	3.86	529.2 / 81.1	76406		4.173	NA	NA	NA	86.9

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C8-PFOSA	EIS	5.33	506.1 / 78.1	606161		2.265	NA	NA	NA	90.6
d3-NMeFOSA	EIS	6.04	515.2 / 219.0	106612		2.216	NA	NA	NA	88.7
d5-NEtFOSA	EIS	6.33	531.2 / 219.0	88749		2.151	NA	NA	NA	86.0
d3-NMeFOSAA	EIS	4.14	573.2 / 419.1	416097		6.165	NA	NA	NA	123.3
d5-NEtFOSAA	EIS	4.34	589.3 / 419.1	114981		4.005	NA	NA	NA	80.1
d7-NMeFOSE	EIS	5.90	623.2 / 58.9	326937		21.921	NA	NA	NA	87.7
d9-NEtFOSE	EIS	6.19	639.2 / 58.9	723612		21.094	NA	NA	NA	84.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.31	287.0 / 169.0	921843		9.247	NA	NA	NA	92.5
	13C3-PFBA	NIS	0.61	216.0 / 172.0	1079586		5.497	NA	NA	NA	109.9
	13C2-PFHxA	NIS	2.04	315.0 / 270.0	512812		2.636	NA	NA	NA	105.4
	13C4-PFOA	NIS	3.20	417.0 / 372.0	180191		2.136	NA	NA	NA	85.4
	13C5-PFNA	NIS	3.63	468.0 / 423.0	335964		1.197	NA	NA	NA	95.8
	13C2-PFDA	NIS	4.03	515.1 / 470.1	350782		1.360	NA	NA	NA	108.8
	18O2-PFHxS	NIS	3.31	403.1 / 84.1	252298		2.533	NA	NA	NA	106.9
	13C4-PFOS	NIS	4.18	503.1 / 80.1	298293		2.733	NA	NA	NA	113.9

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_35.wiff2_2
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

	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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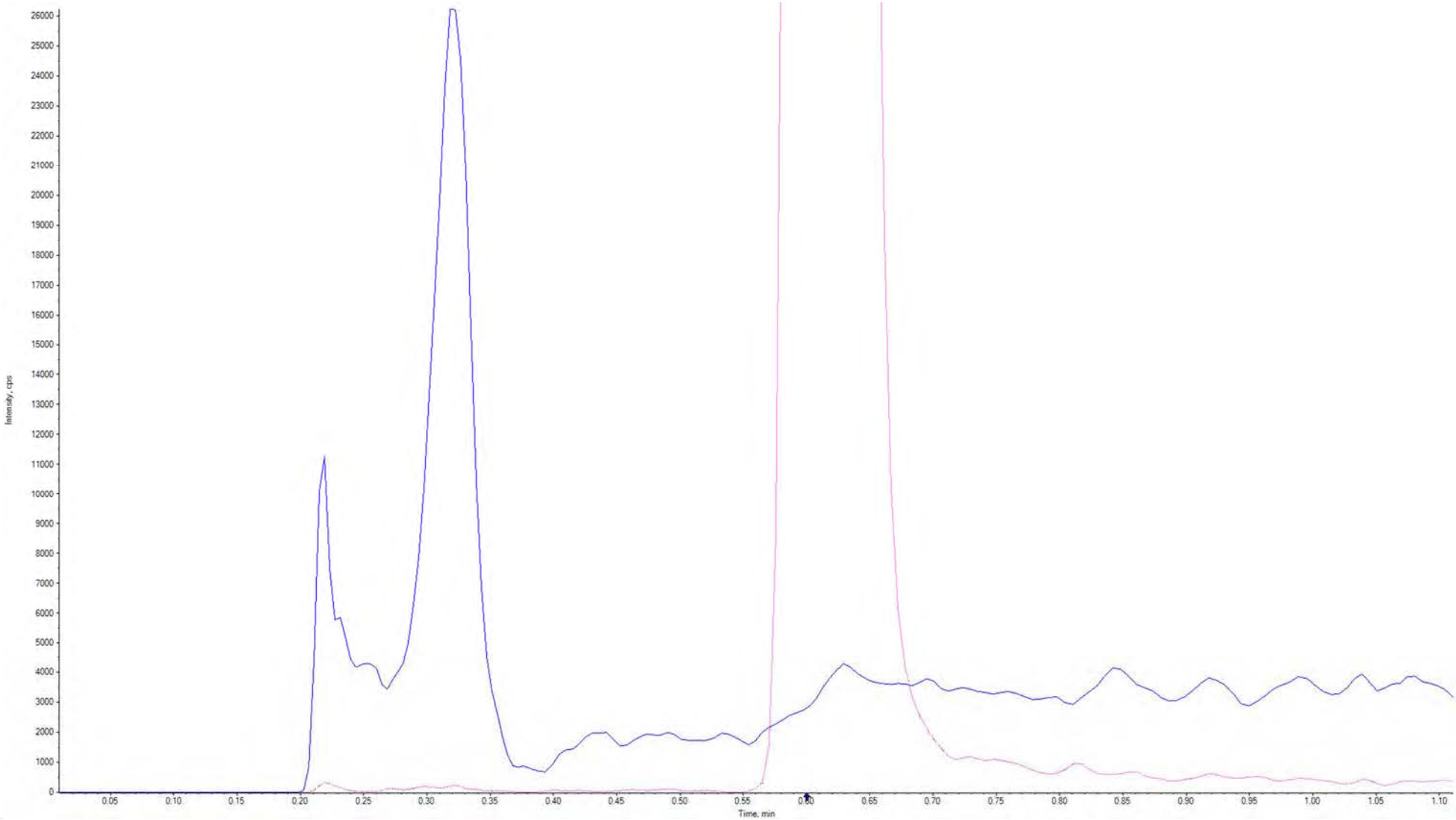
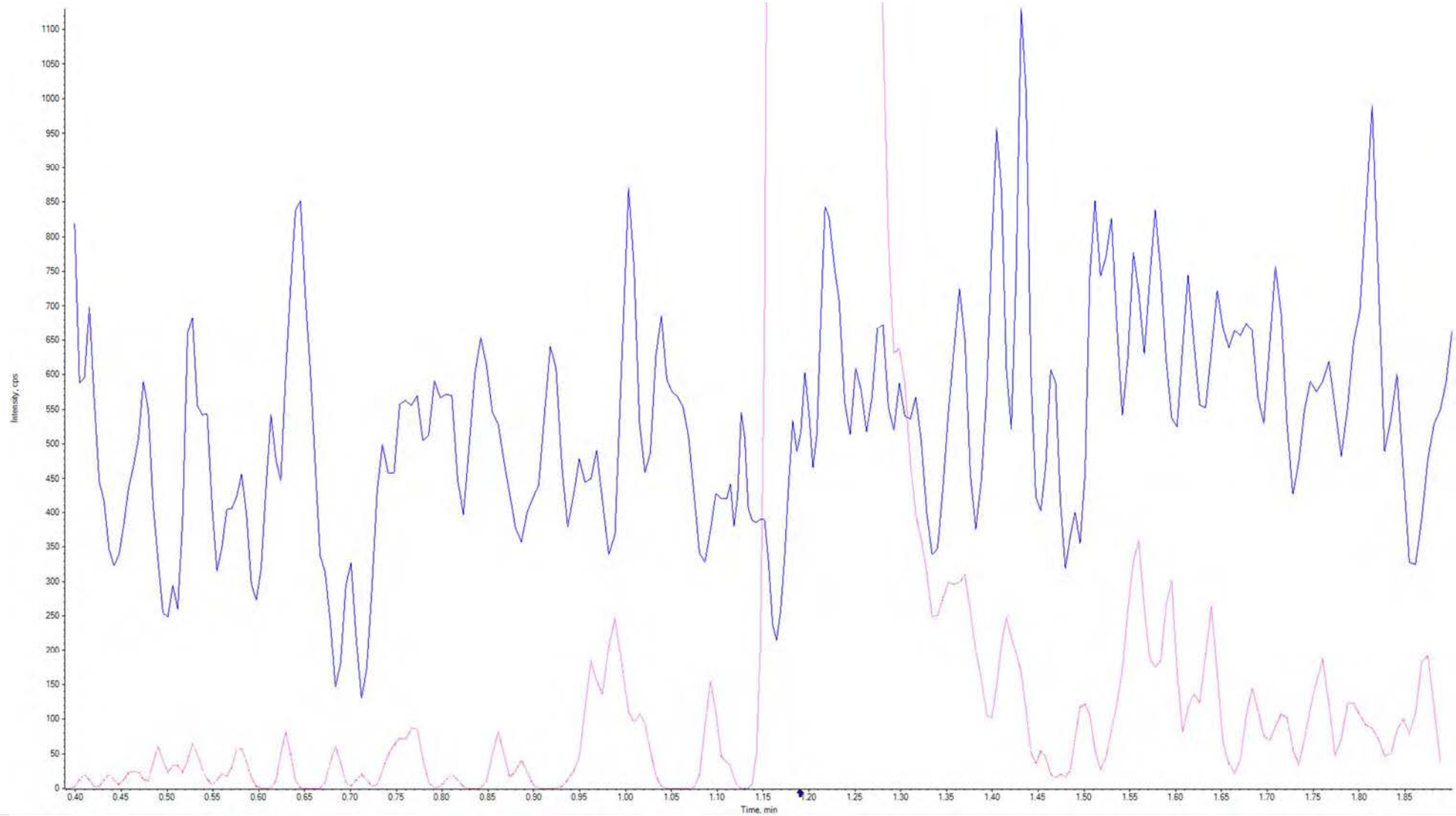
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

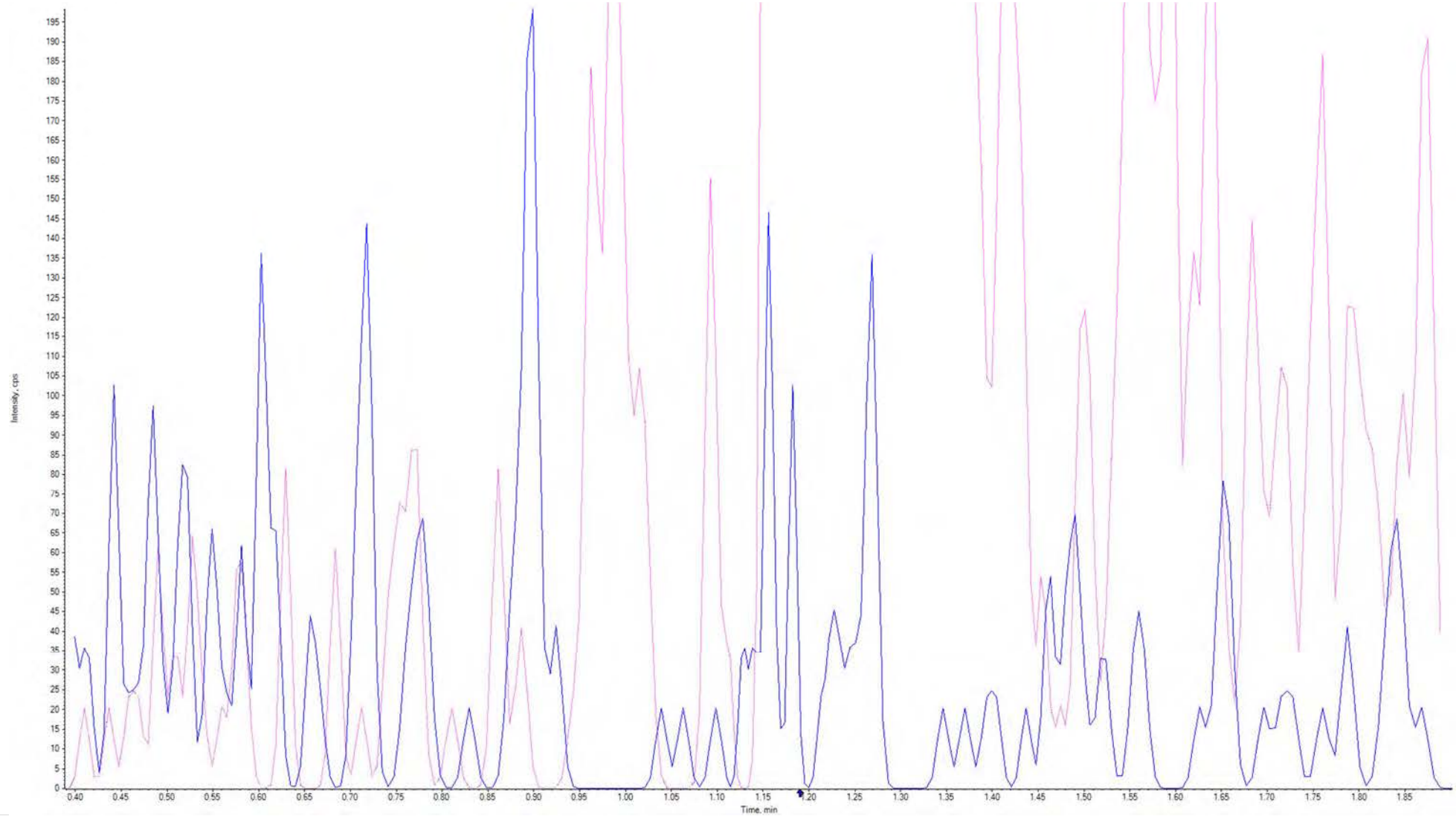
PFBA
Sample: WG2035470-3,INSTBLANK S/N:N/A Points Across peak:N/A



PFPeA
Sample: WG2035470-3,INSTBLANK S/N:N/A Points Across peak:N/A



PFPeA_2
Sample: WG2035470-3,INSTBLANK 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: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFHxA
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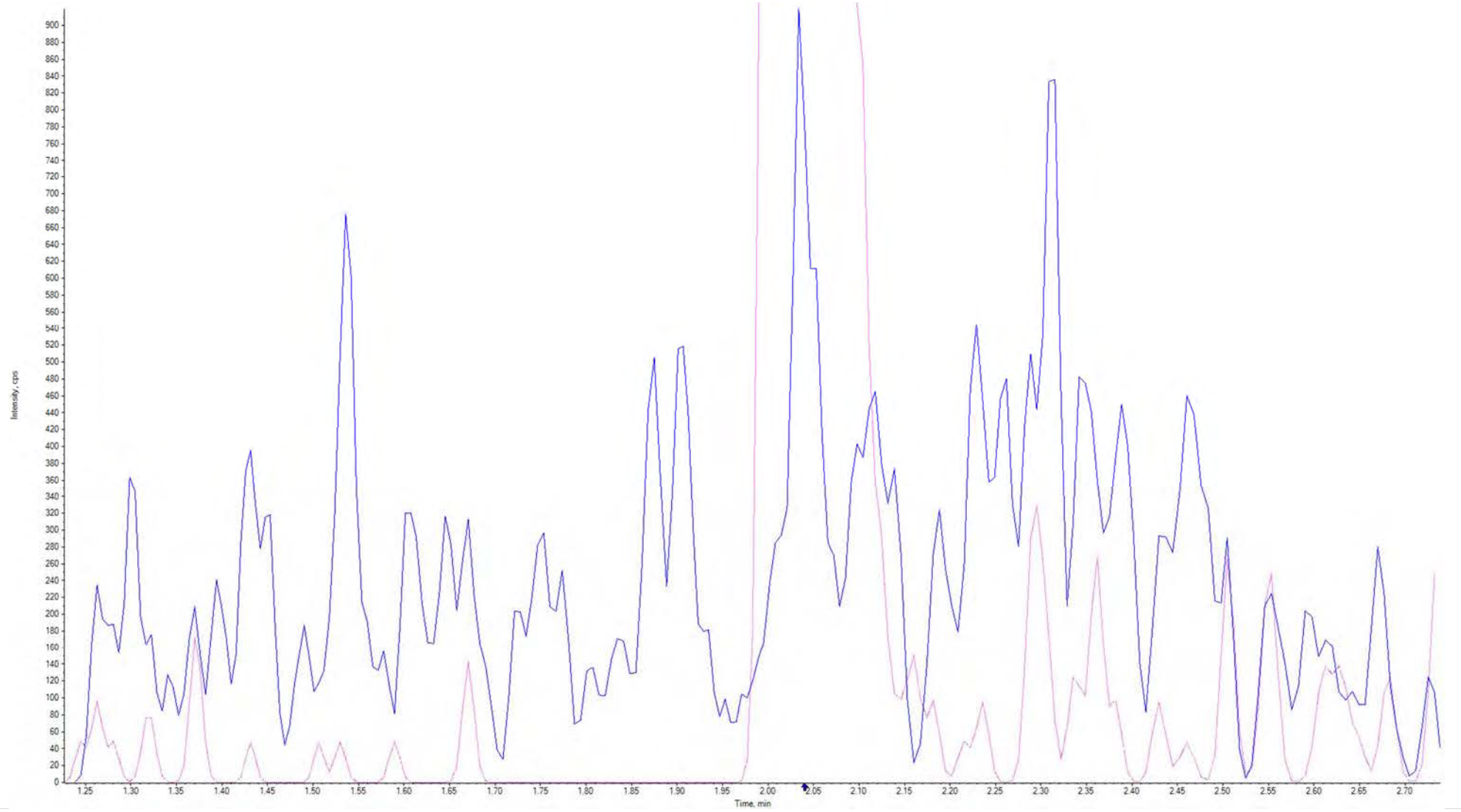

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Alpha Analytical LLC
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PFHxA_2
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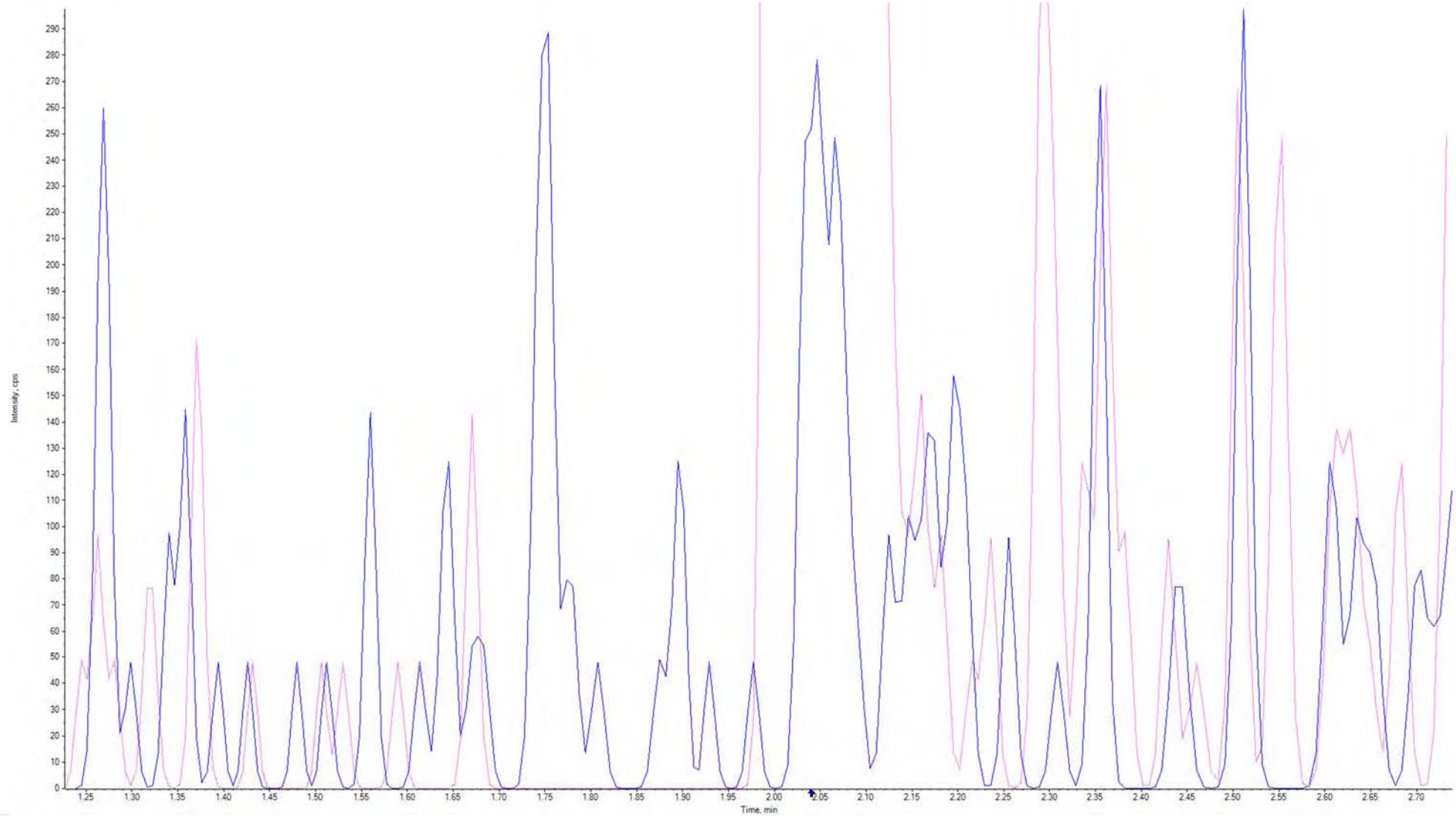

PFHpA
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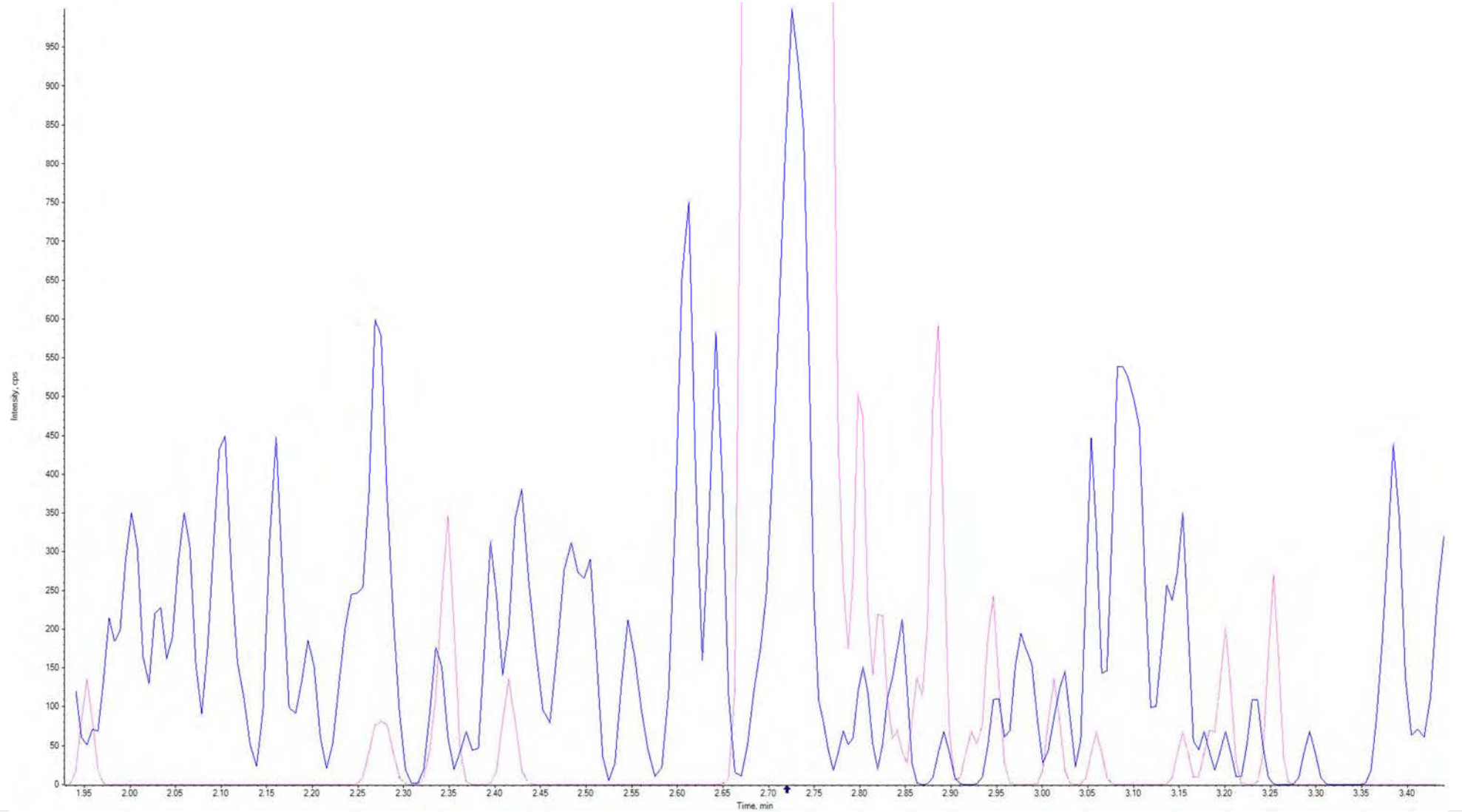

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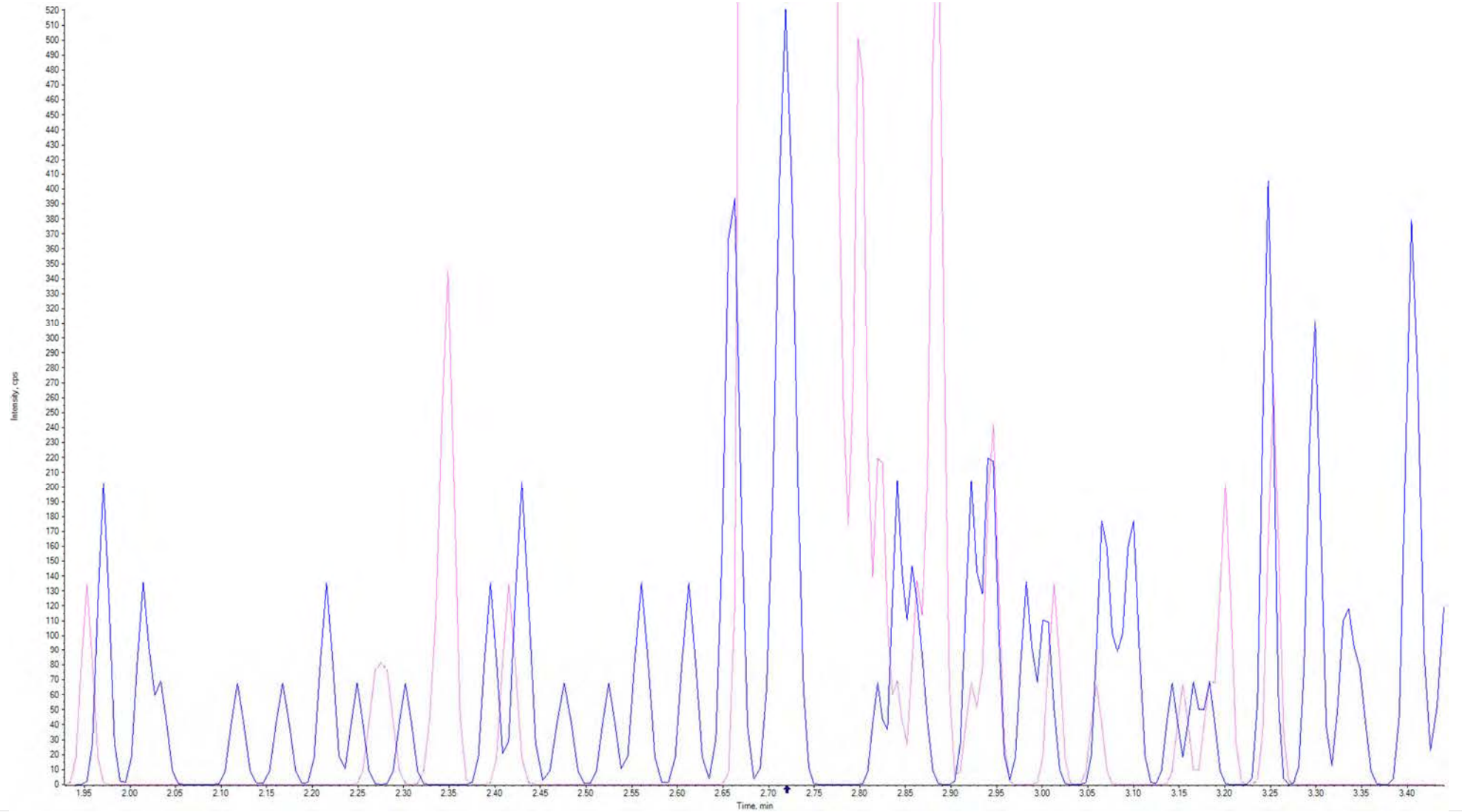
PFHpA_2
Sample: WG2035470-3,INSTBLANK S/N:N/A Points Across peak:N/A



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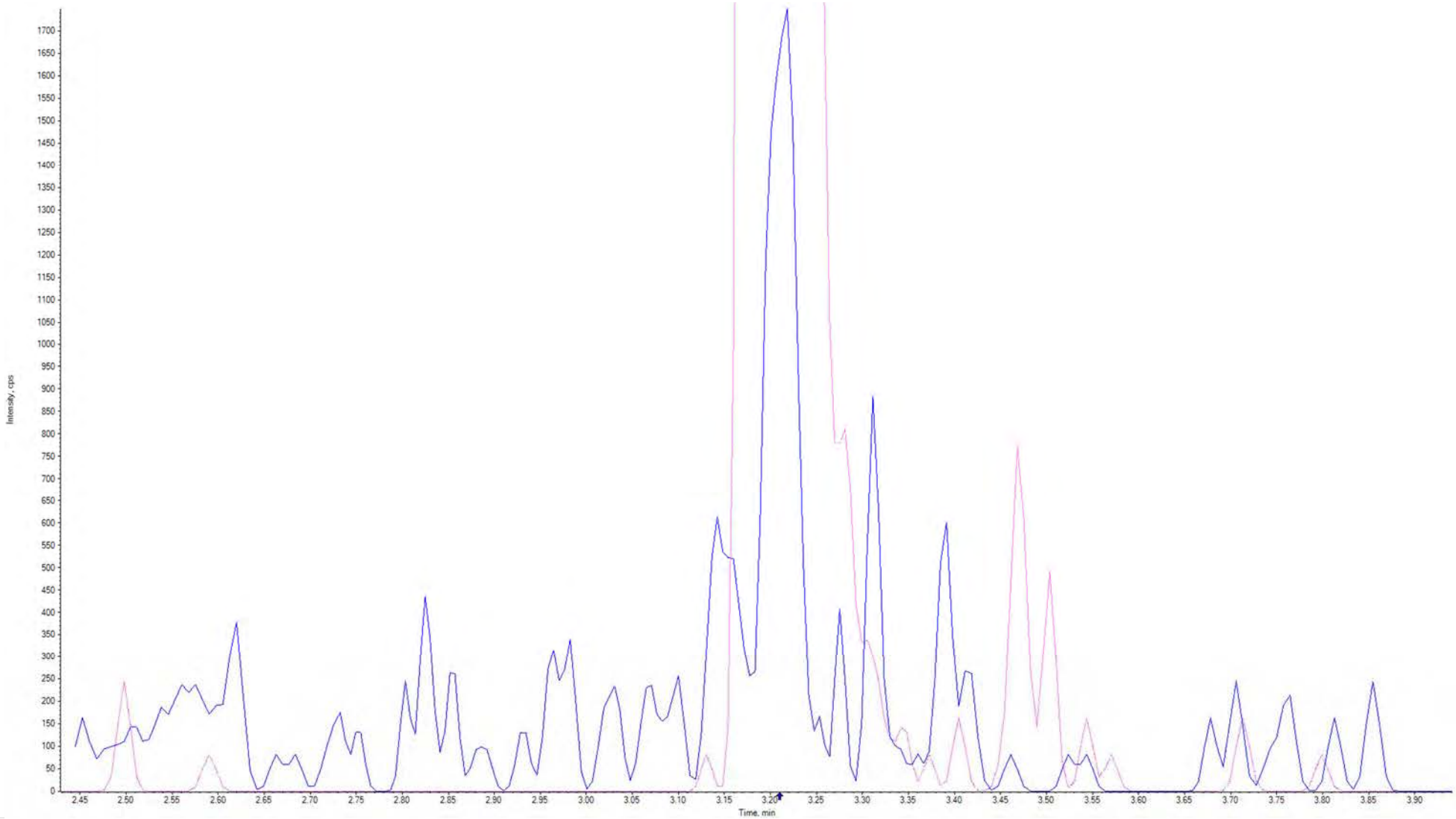
PFOA
Sample: WG2035470-3,INSTBLANK S/N:N/A Points Across peak:N/A



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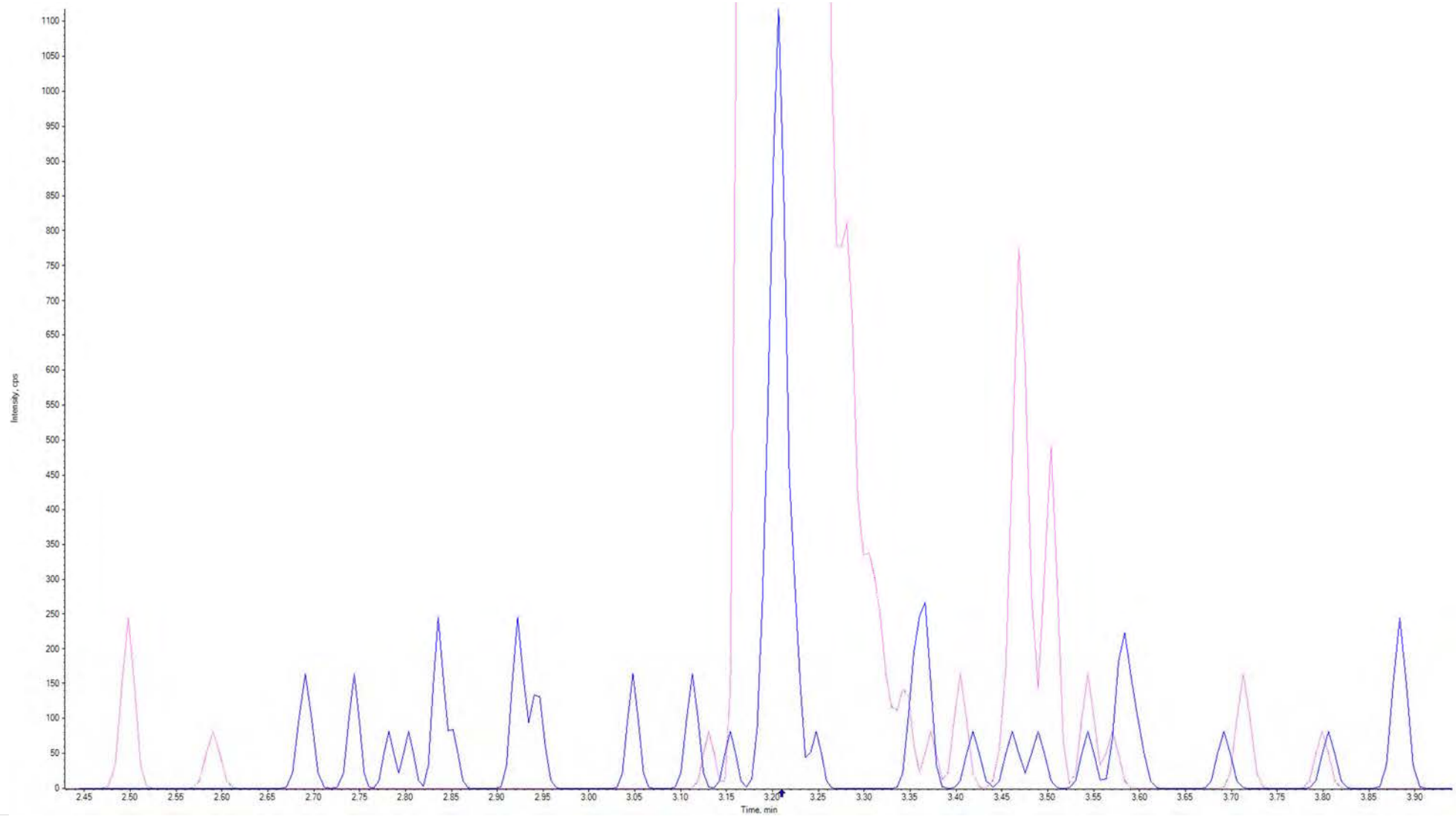
Generated: 3/1/2025 7:28:00 AM

PFOA_2
Sample: WG2035470-3,INSTBLANK S/N:N/A Points Across peak:N/A



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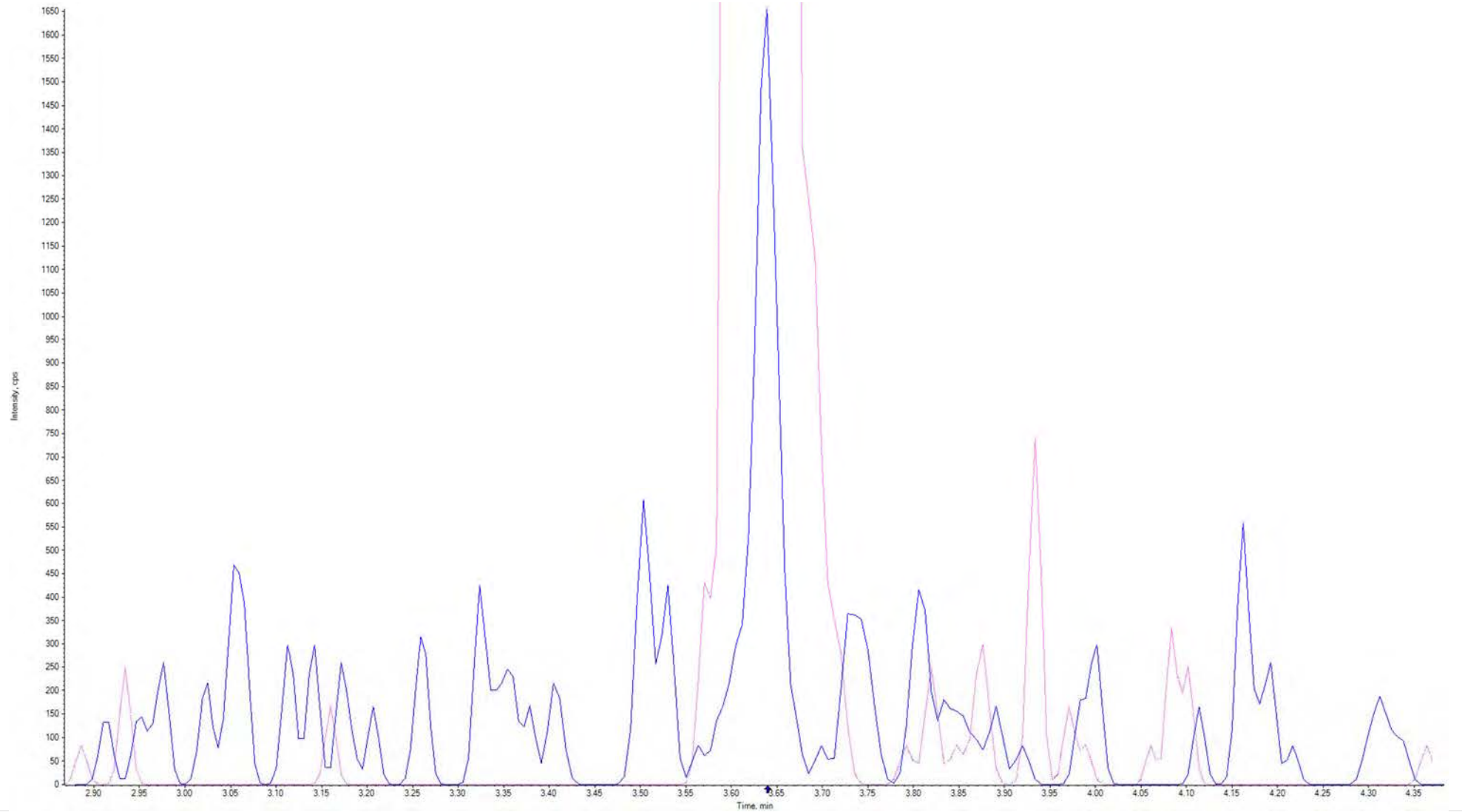
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFNA
Sample: WG2035470-3,INSTBLANK 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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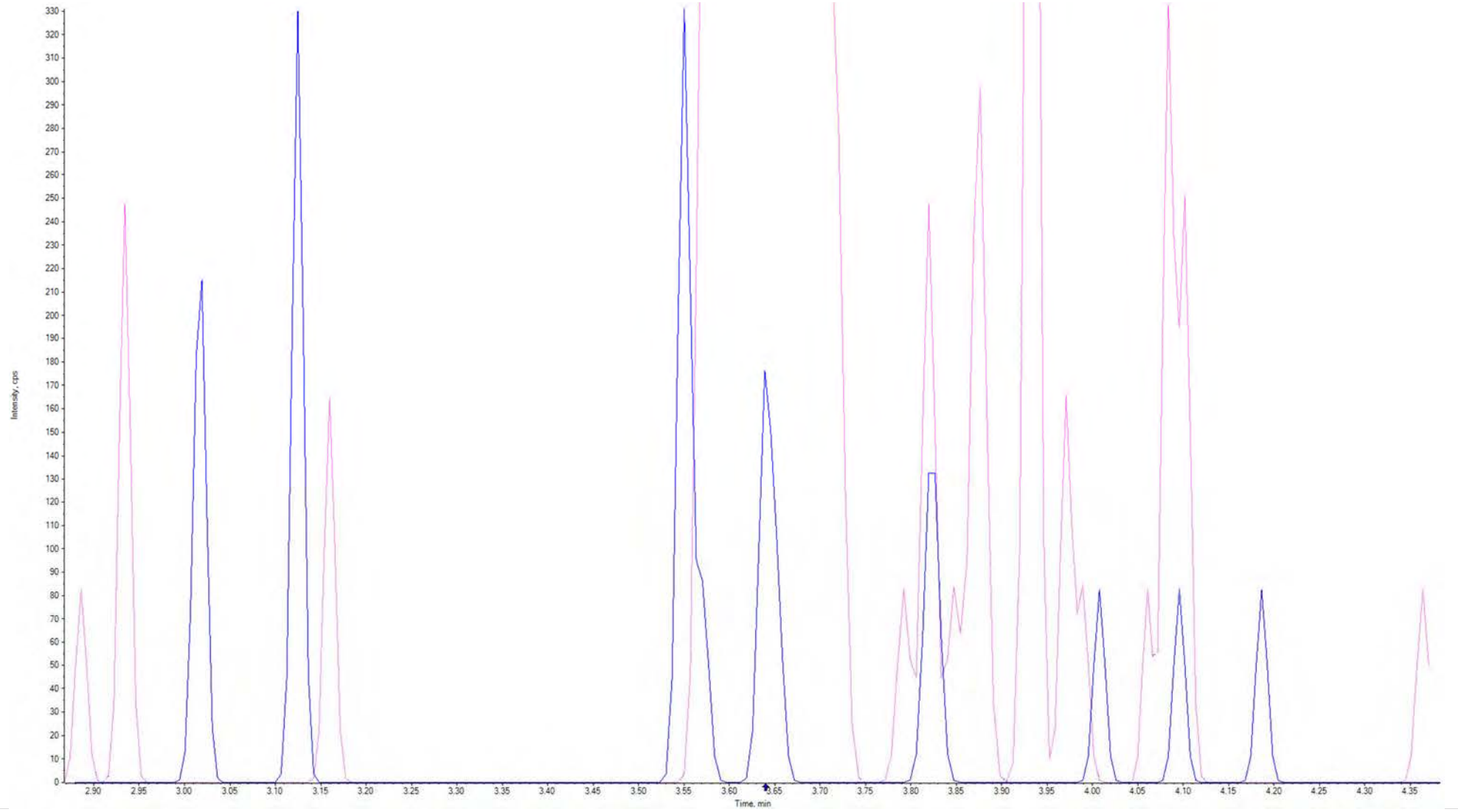
Generated: 3/1/2025 7:28:00 AM

PFNA_2
Sample: WG2035470-3,INSTBLANK S/N:N/A Points Across peak:N/A



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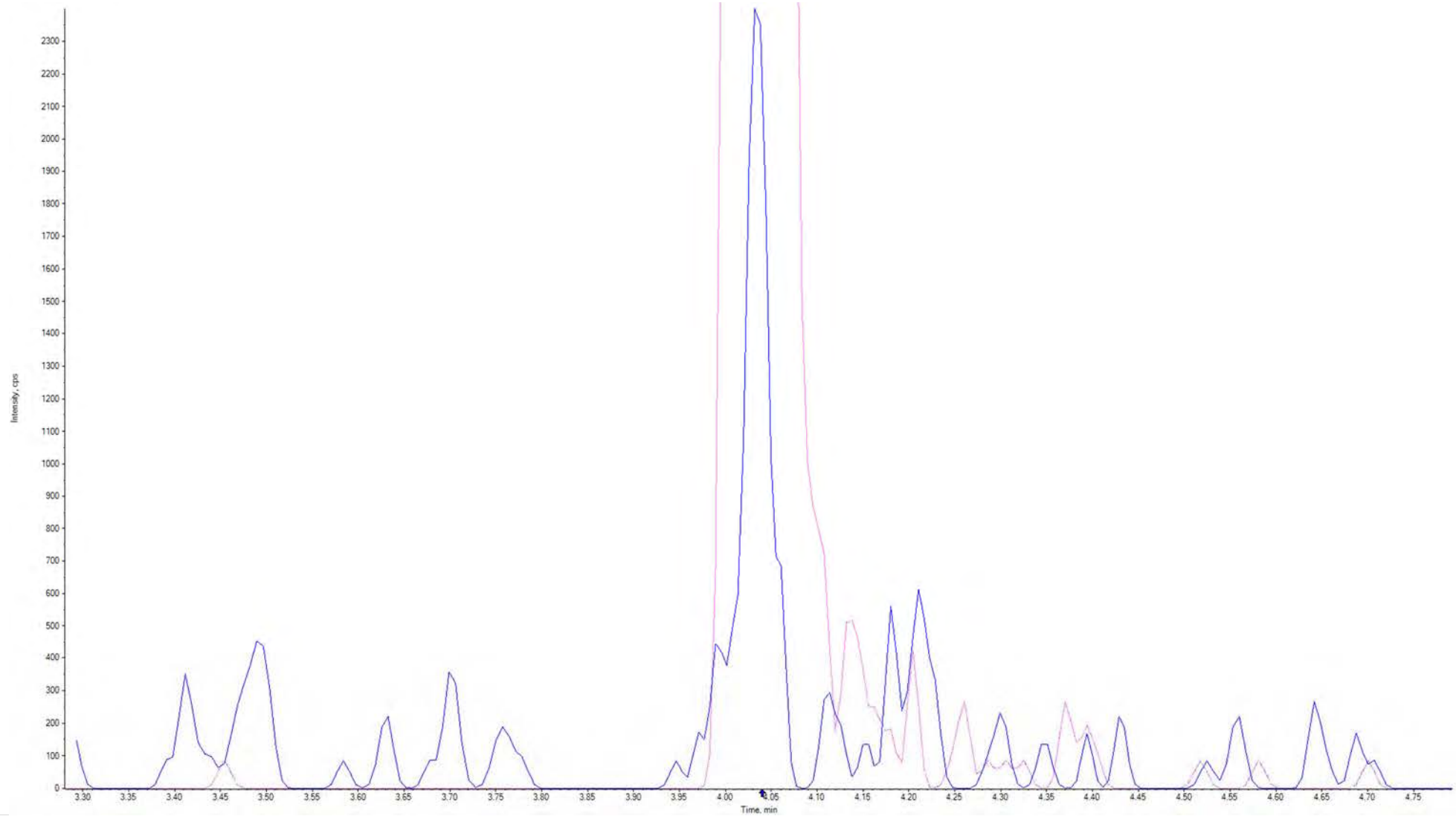
Generated: 3/1/2025 7:28:00 AM

PFDA
Sample: WG2035470-3,INSTBLANK S/N:N/A Points Across peak:N/A



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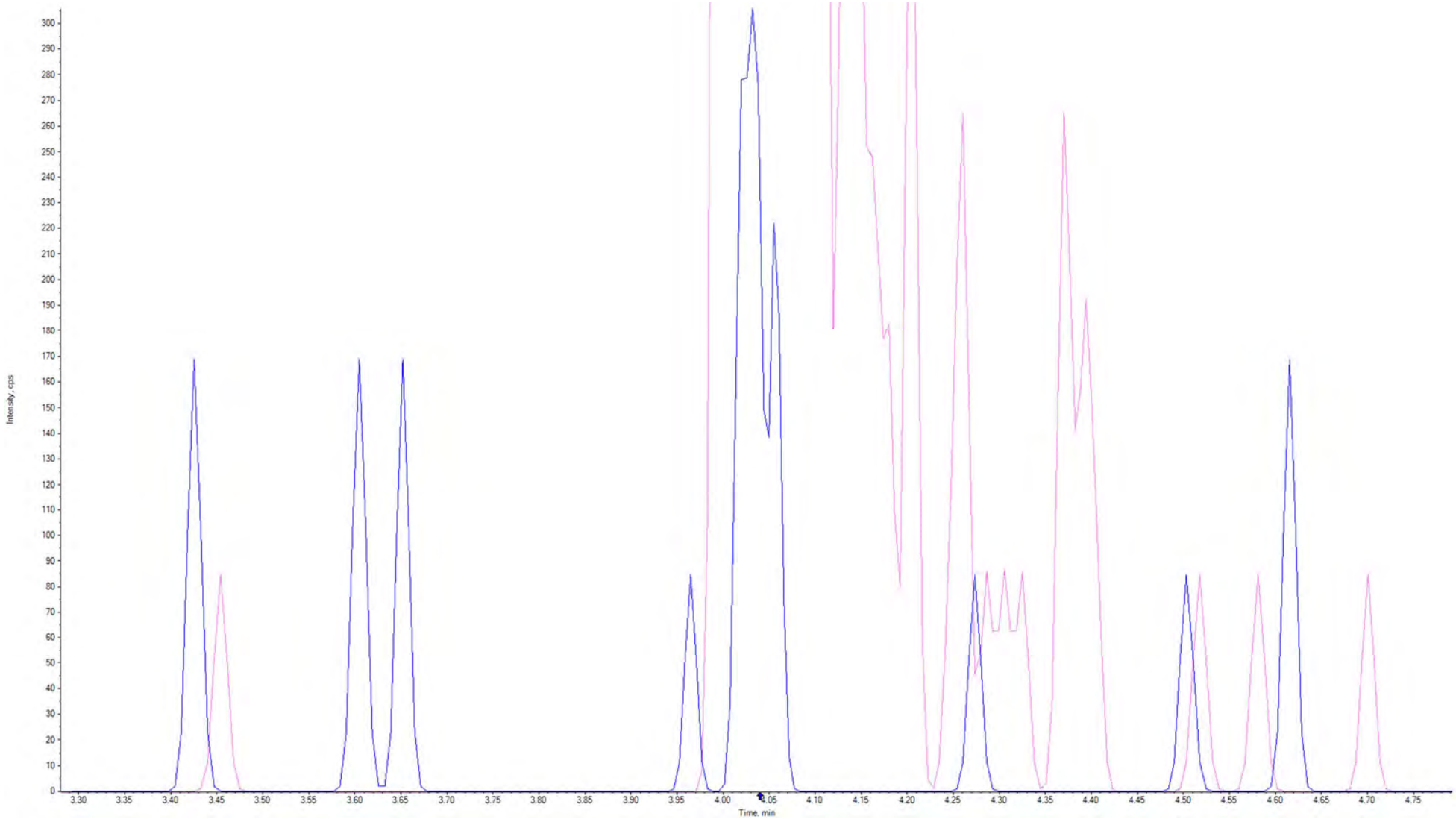
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFDA_2
Sample: WG2035470-3,INSTBLANK S/N:N/A Points Across peak:N/A



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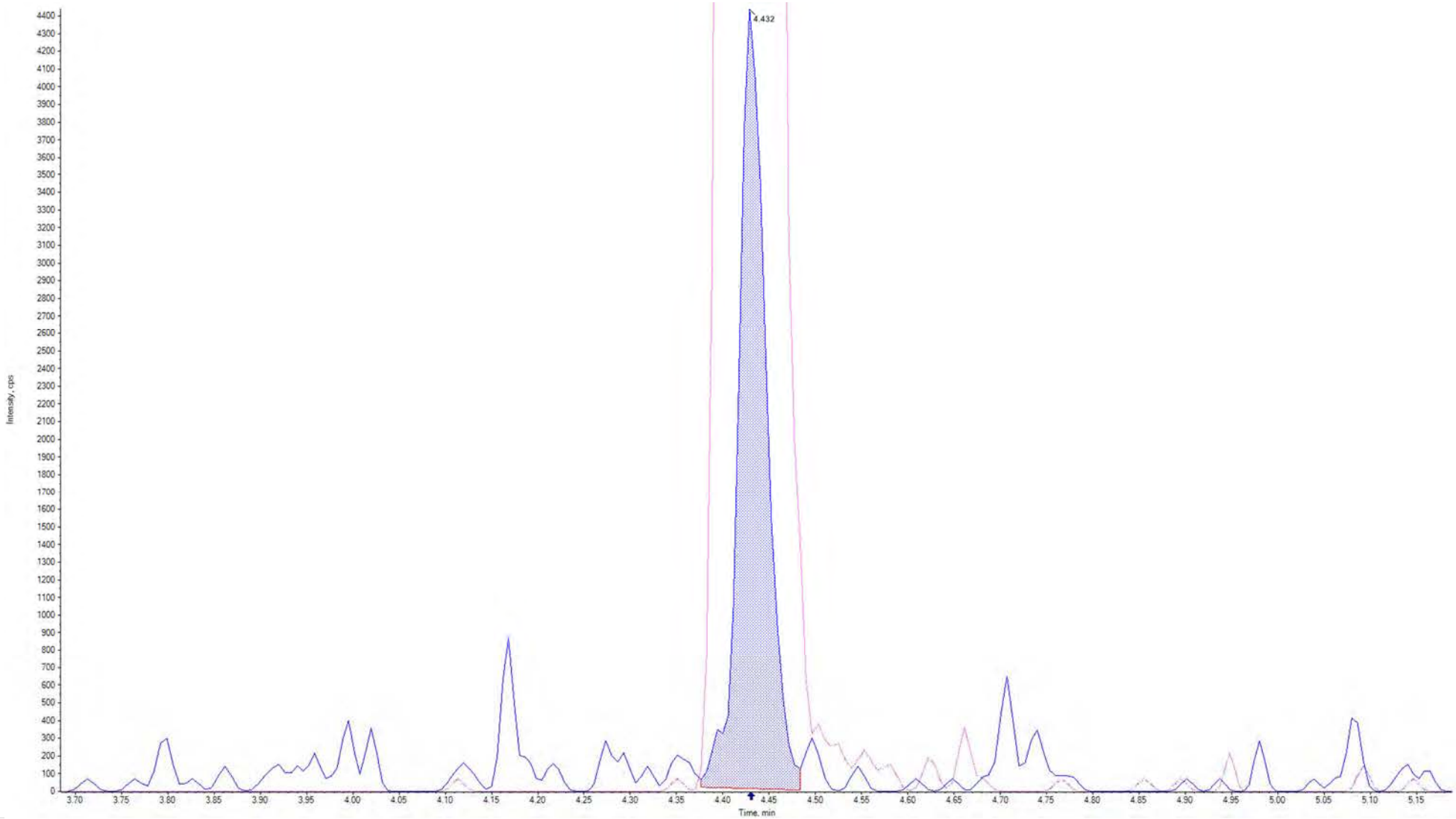
Generated: 3/1/2025 7:28:00 AM

PFUnA
Sample: WG2035470-3,INSTBLANK S/N:66.5 Points Across peak:19



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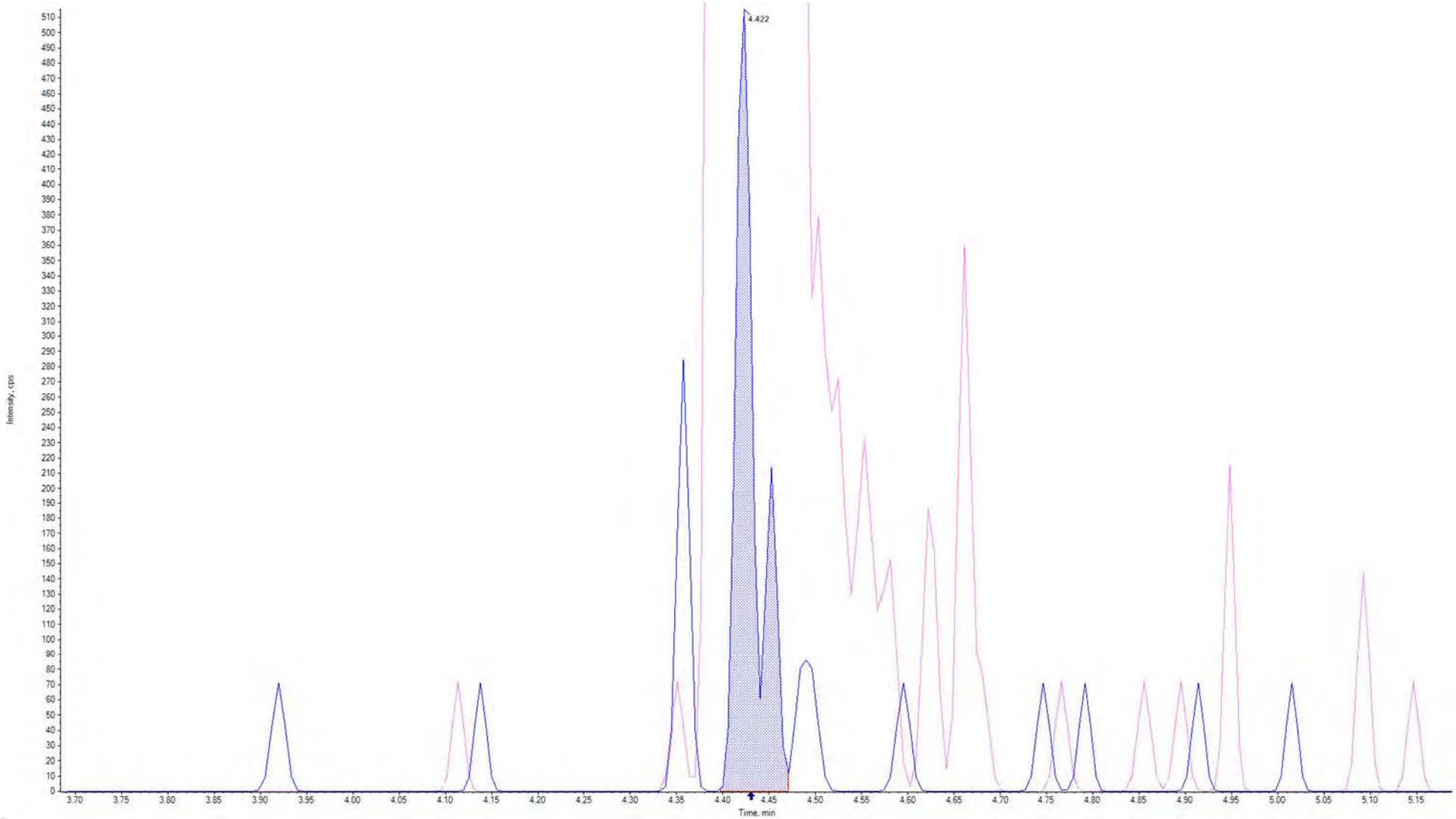
PFUnA_2
Sample: WG2035470-3,INSTBLANK S/N:7.8 Points Across peak:14



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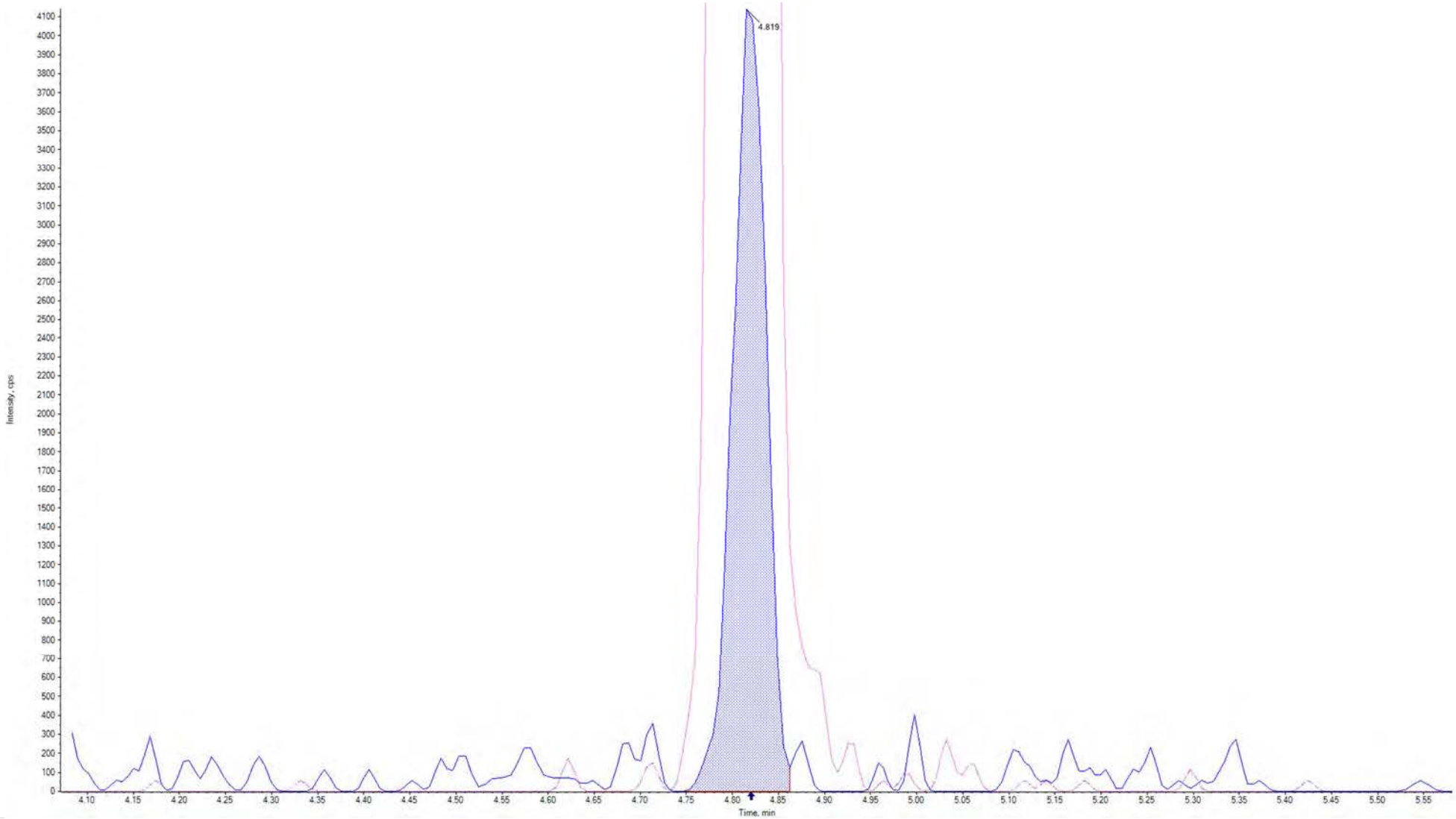
PFDoA
Sample: WG2035470-3,INSTBLANK S/N:72.6 Points Across peak:20



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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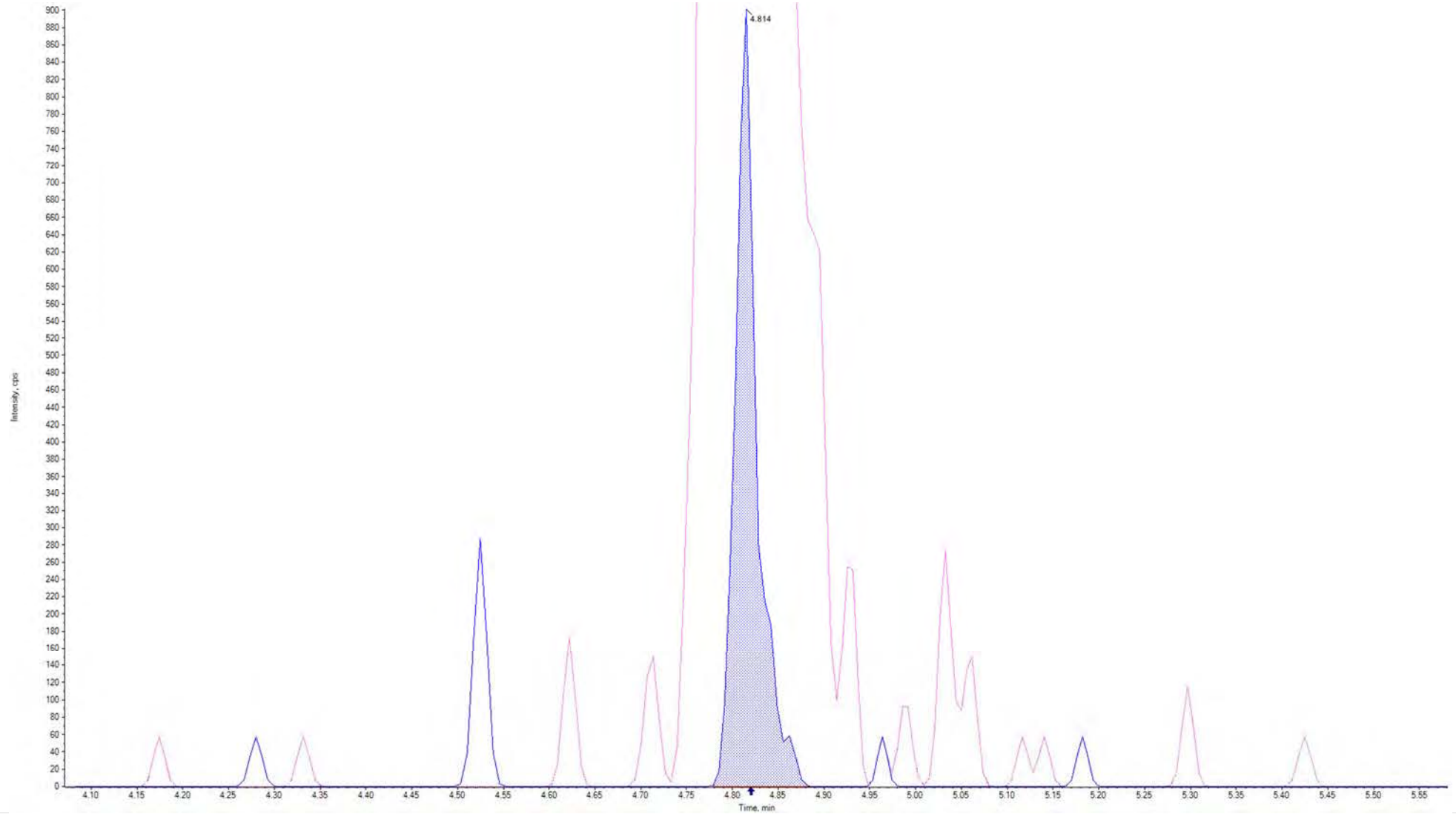
PFDoA_2
Sample: WG2035470-3,INSTBLANK S/N:15.8 Points Across peak:18



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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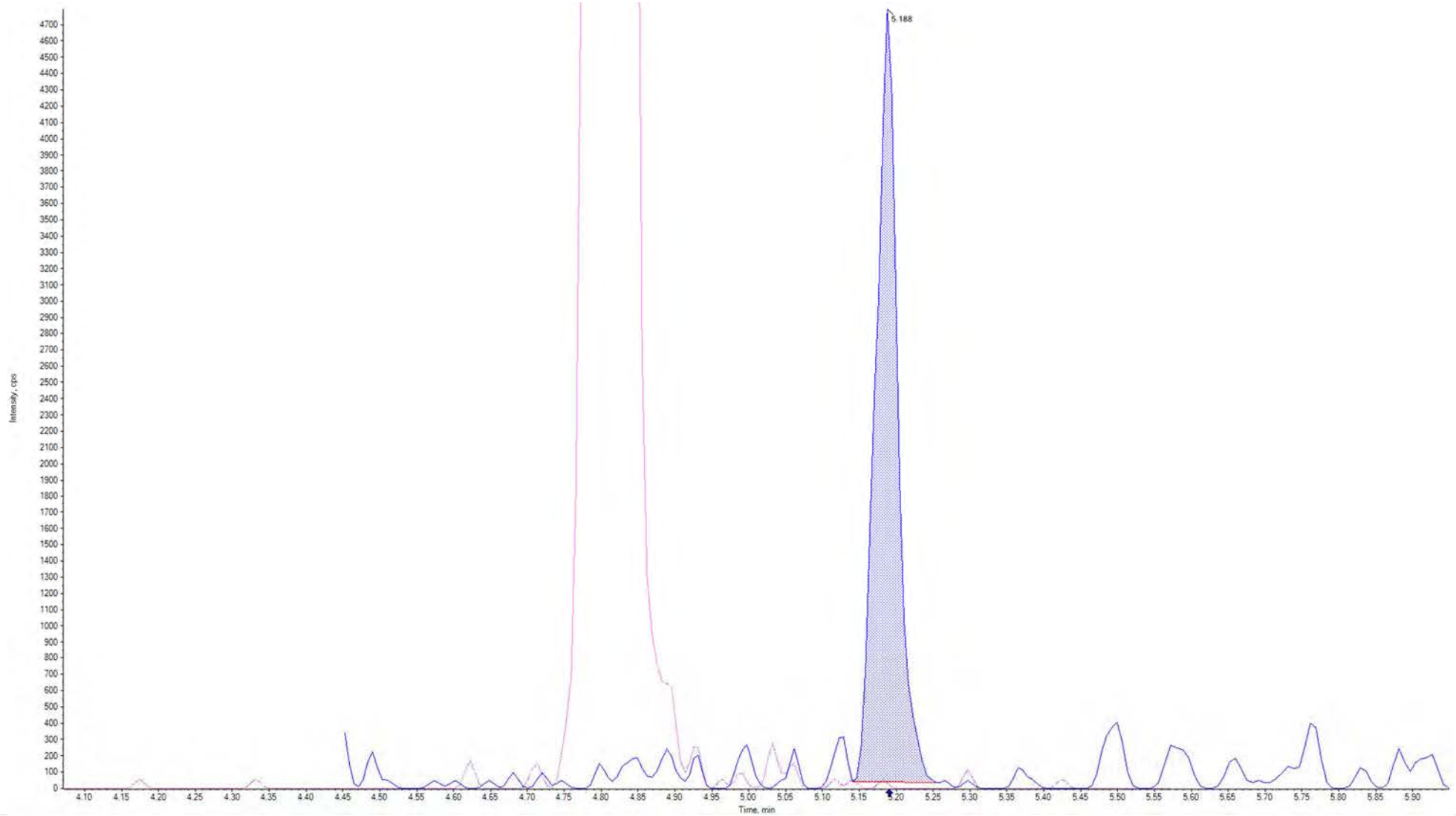
Generated: 3/1/2025 7:28:00 AM

PFTrDA
Sample: WG2035470-3,INSTBLANK S/N:95.3 Points Across peak:21



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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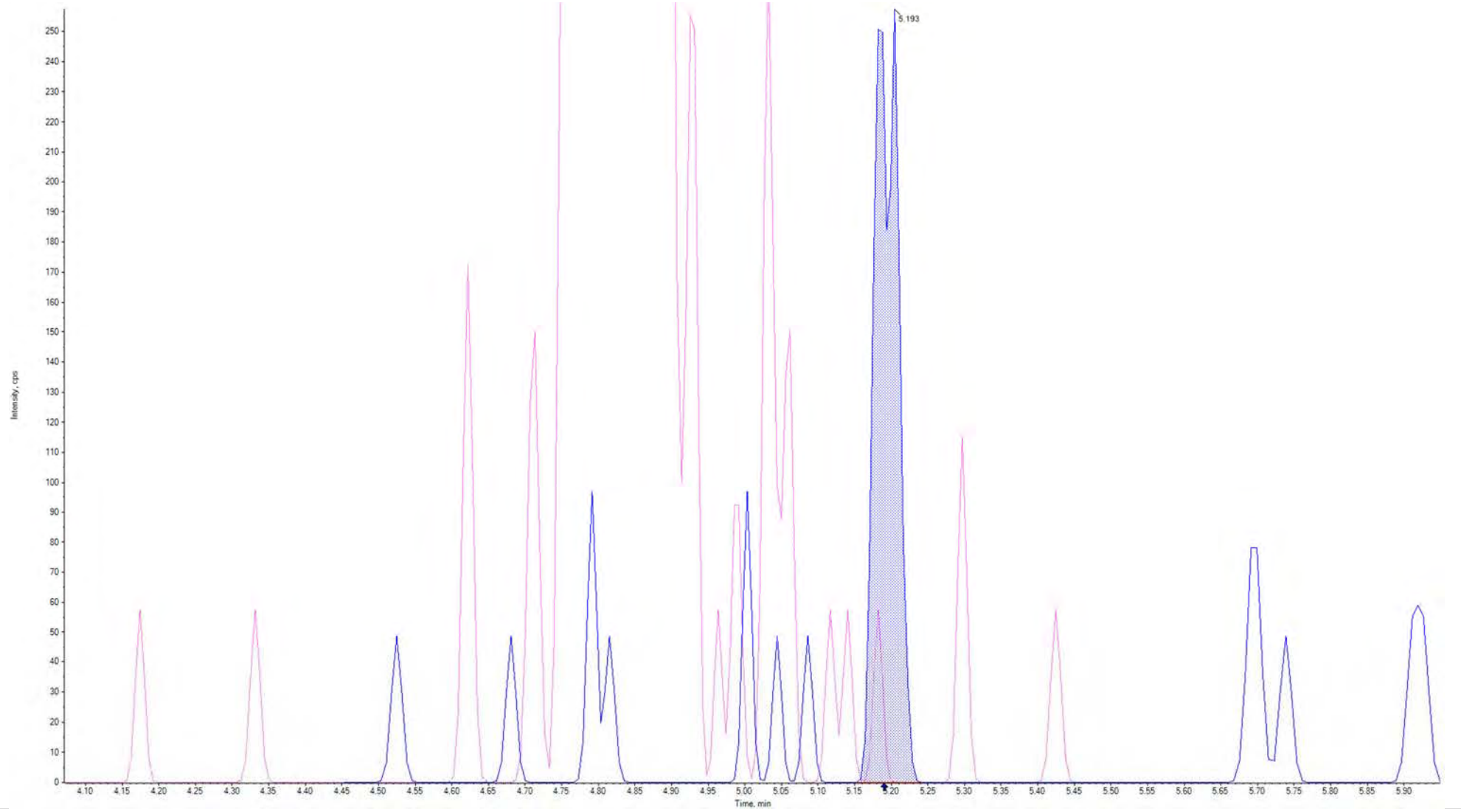
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFTrDA_2
Sample: WG2035470-3,INSTBLANK S/N:5.2 Points Across peak:17



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 3/1/2025 8:37:00 AM
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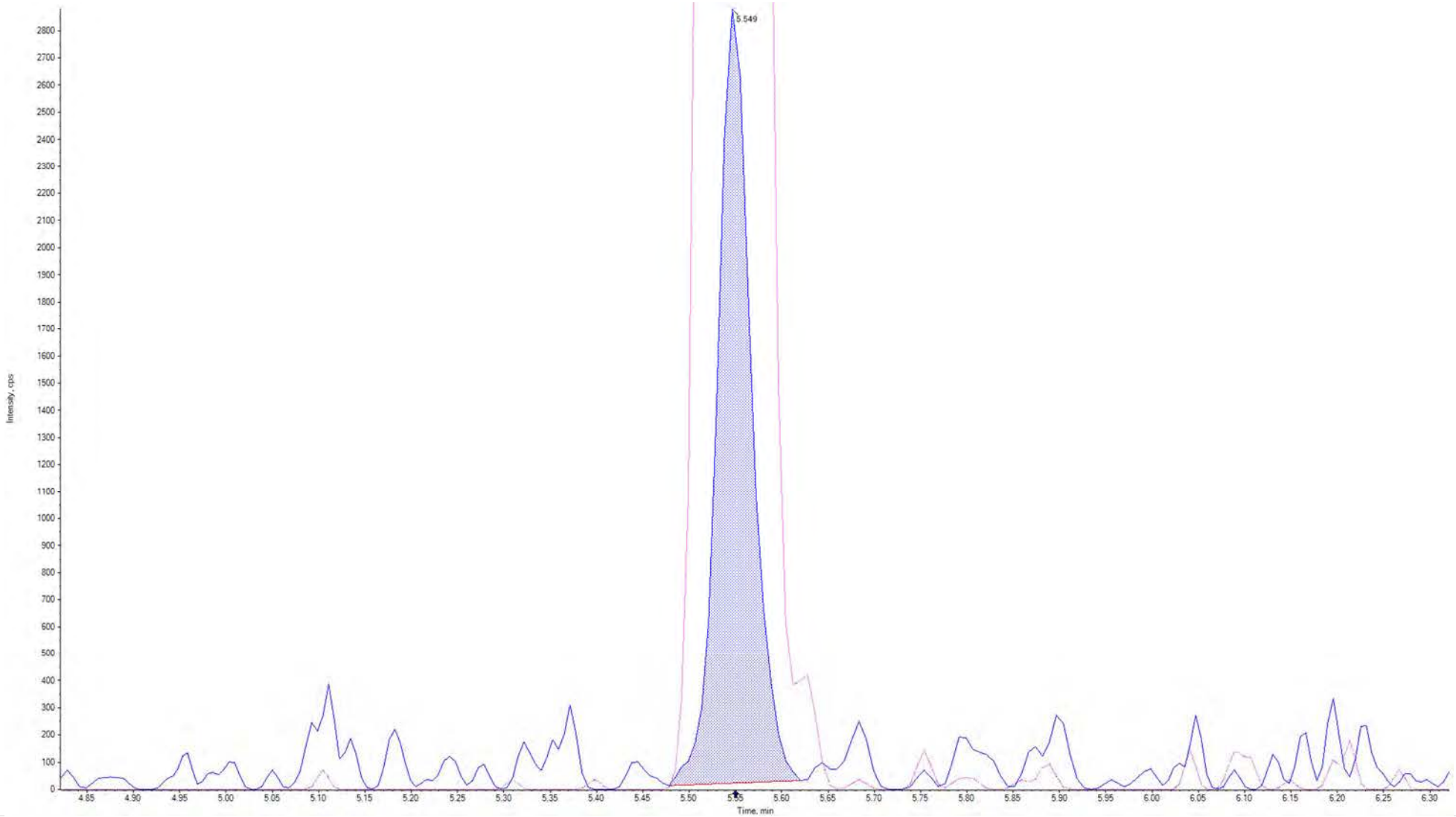
PFTeDA
Sample: WG2035470-3,INSTBLANK S/N:78.7 Points Across peak:19



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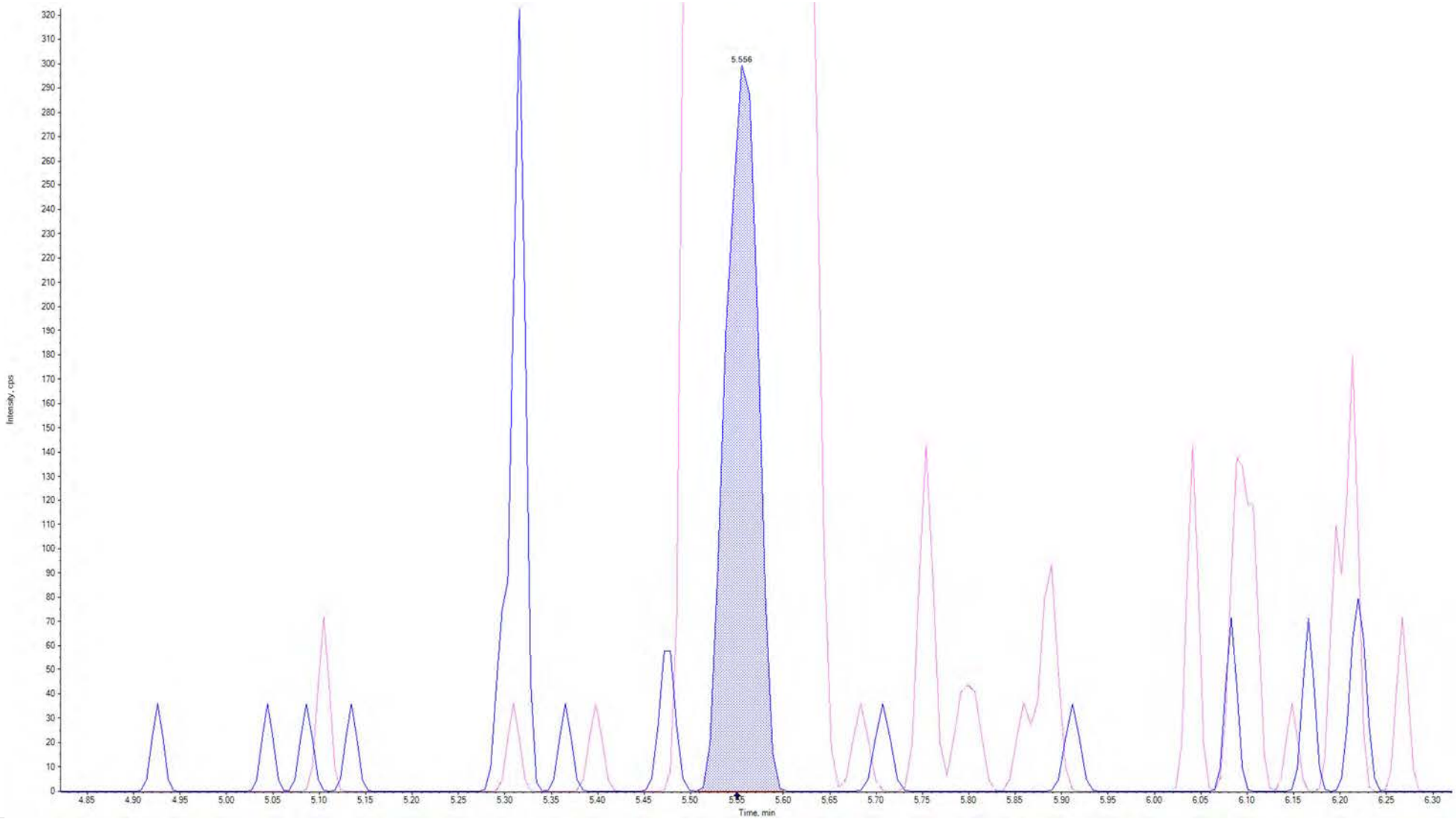
PFTeDA_2
Sample: WG2035470-3,INSTBLANK S/N:8.3 Points Across peak:13



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PFBS
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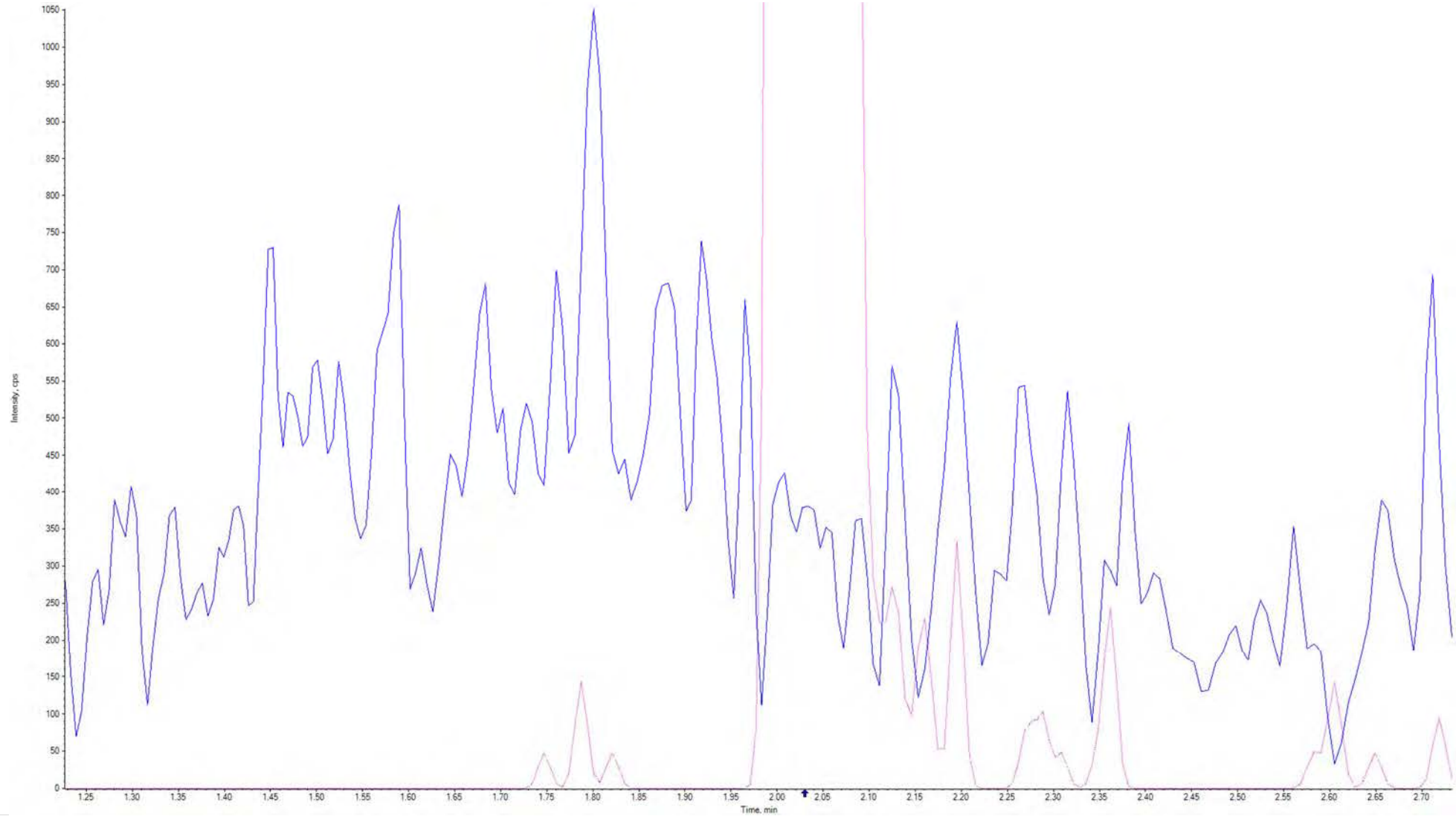

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PFBS_2
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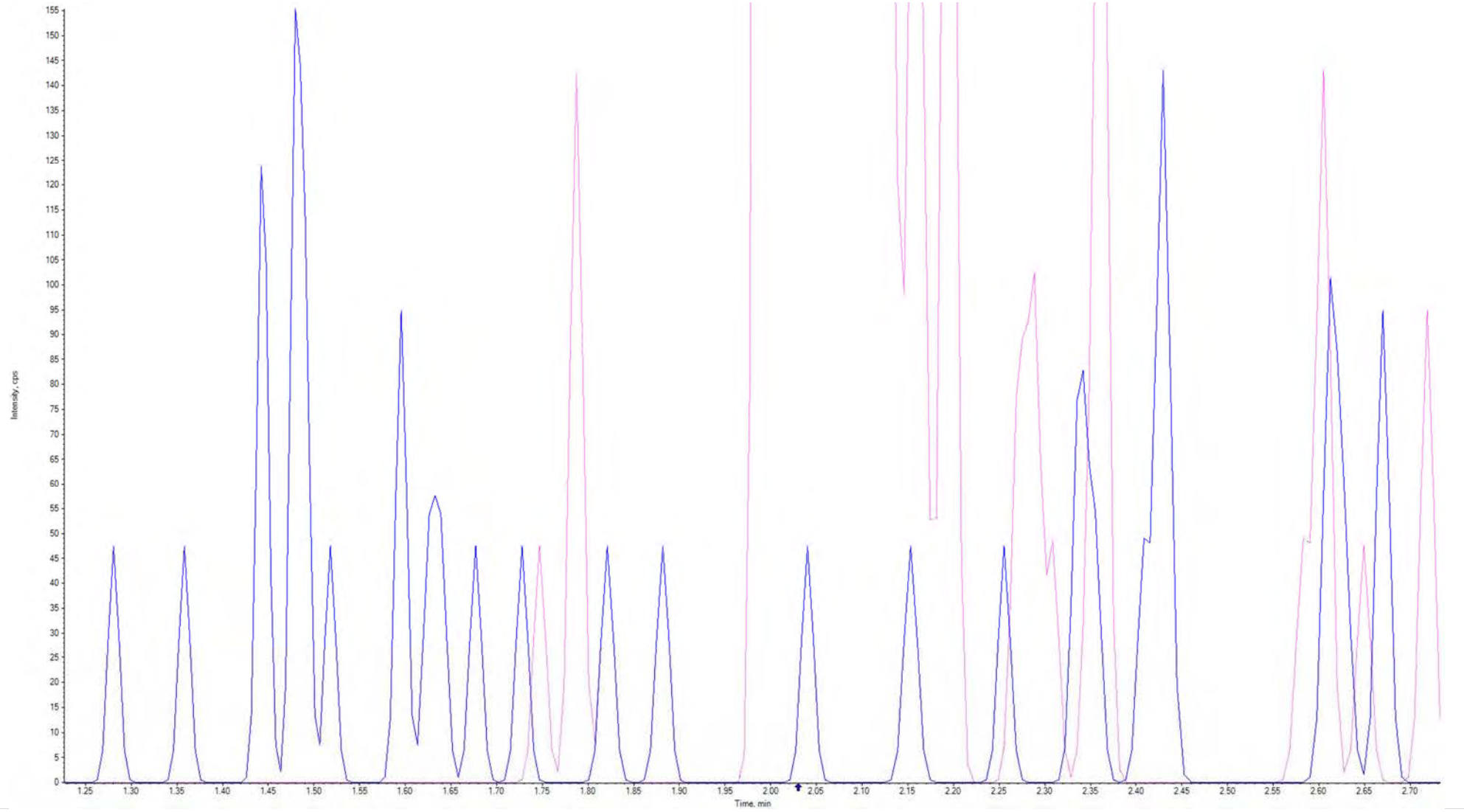

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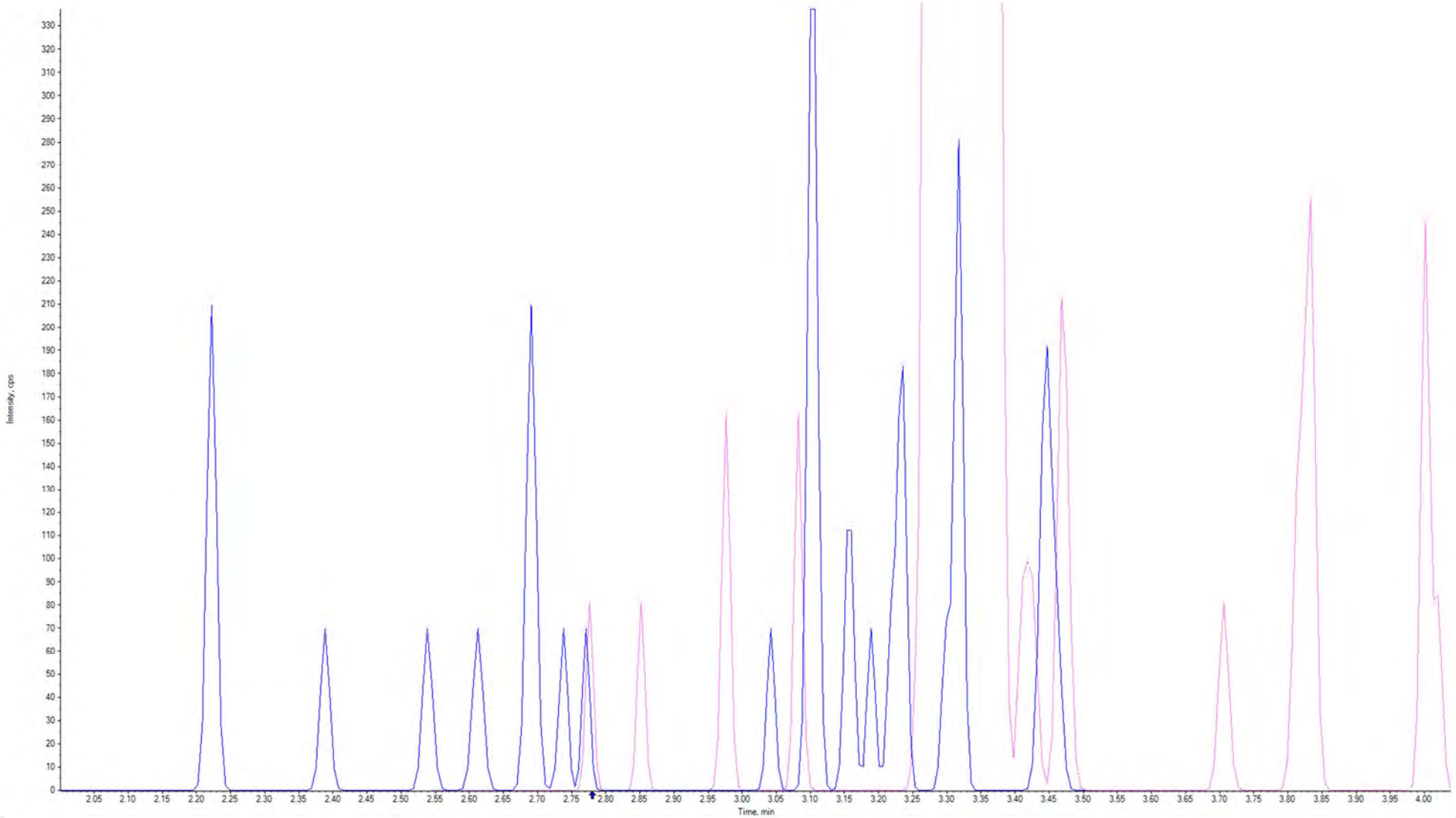
PFPeS
Sample: WG2035470-3,INSTBLANK S/N:N/A Points Across peak:N/A



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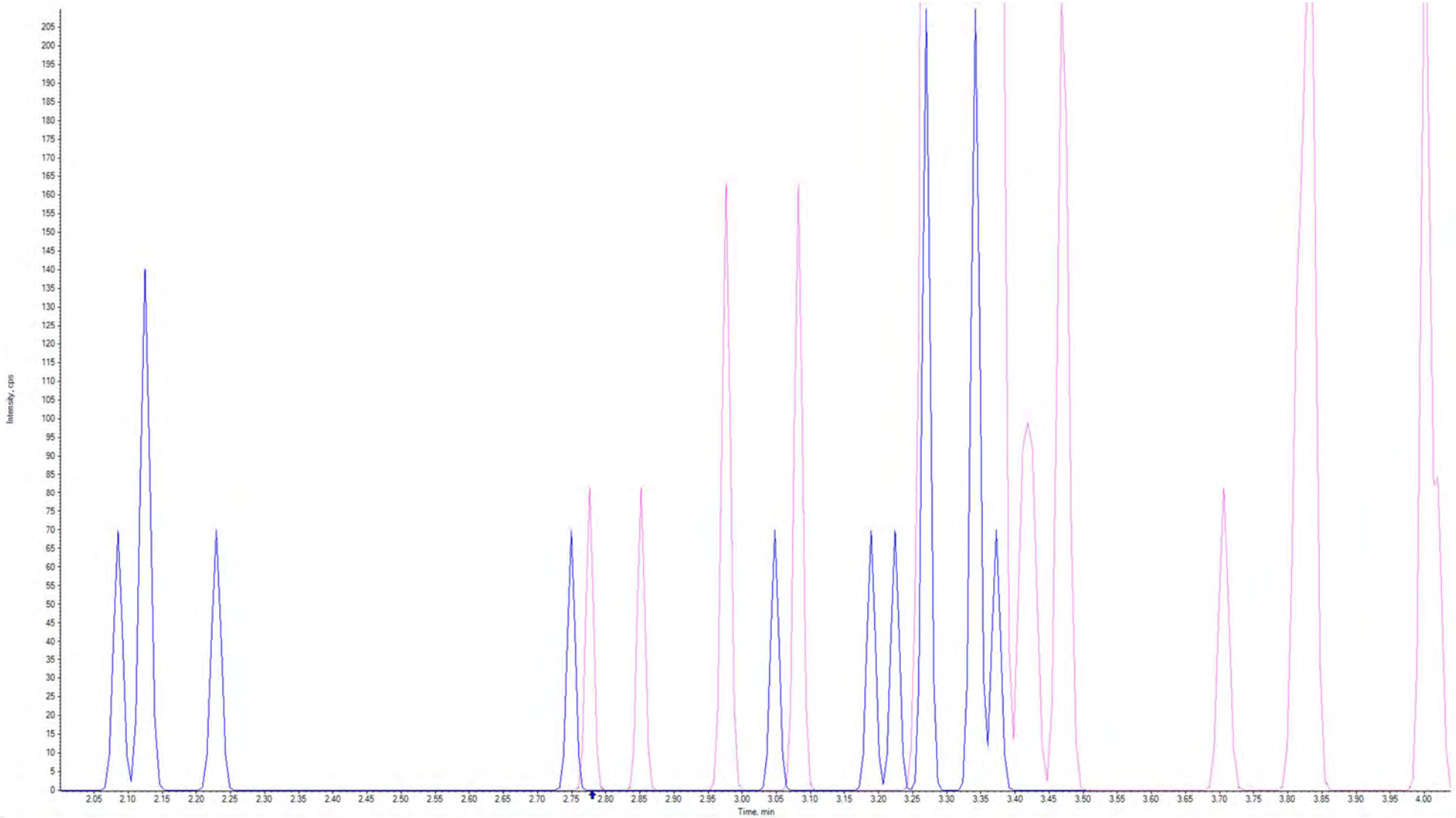
Generated: 3/1/2025 7:28:00 AM

PFPeS_2
Sample: WG2035470-3,INSTBLANK S/N:N/A Points Across peak:N/A



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Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFHxS
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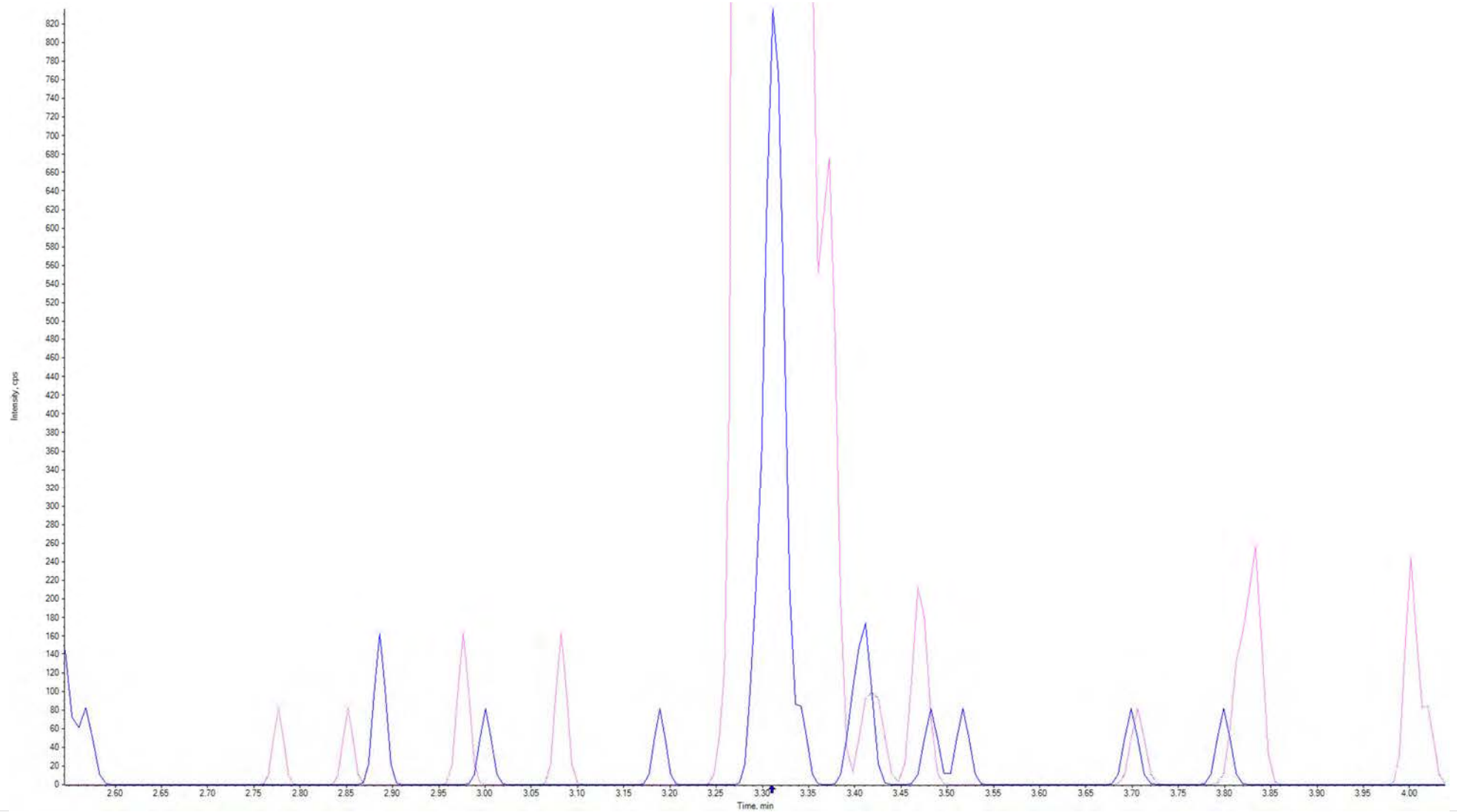

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Generated: 3/1/2025 7:28:00 AM

PFHxS_2
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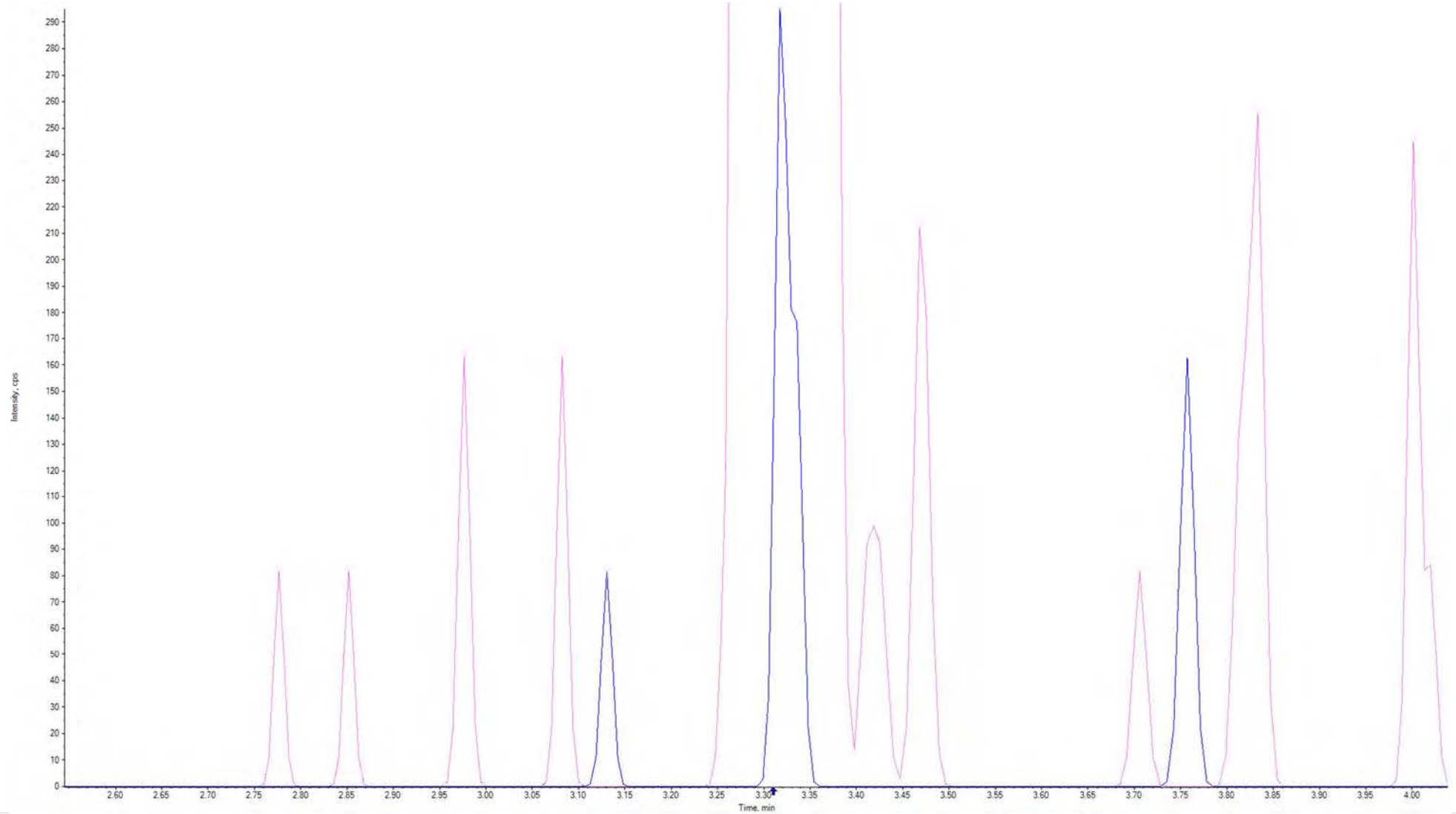

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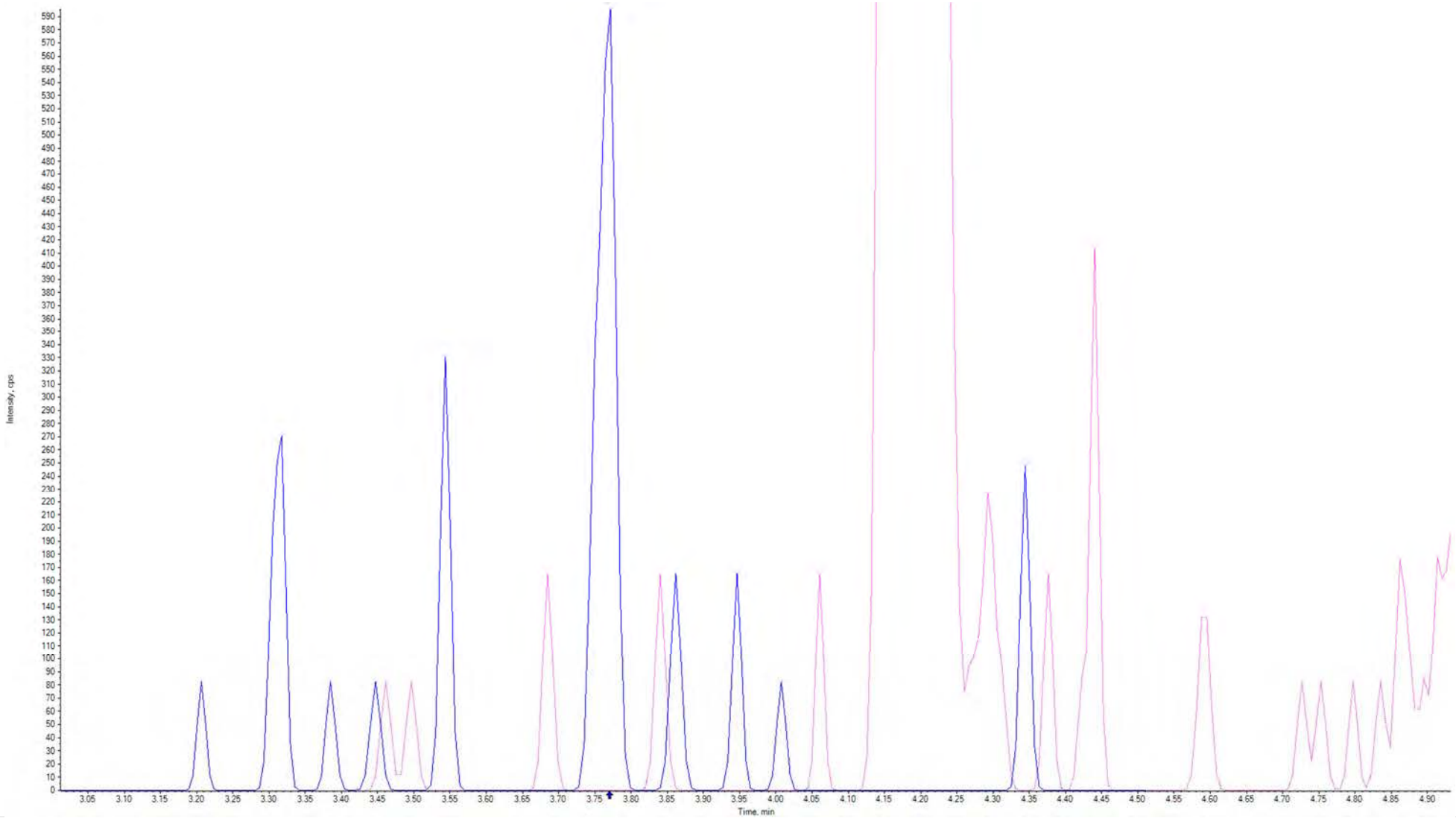
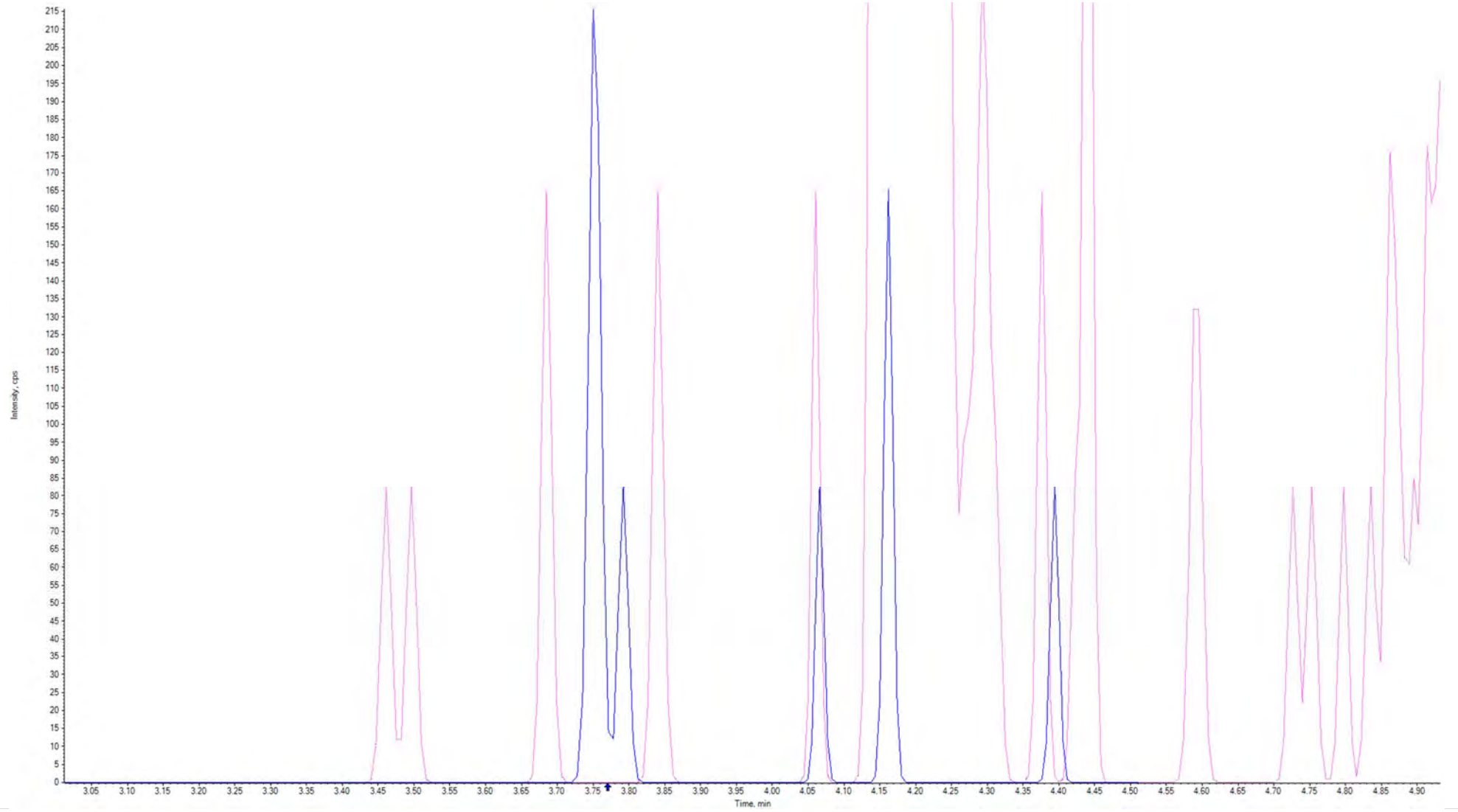
Generated: 3/1/2025 7:28:00 AM

PFHpS
Sample: WG2035470-3,INSTBLANK S/N:N/A Points Across peak:N/A



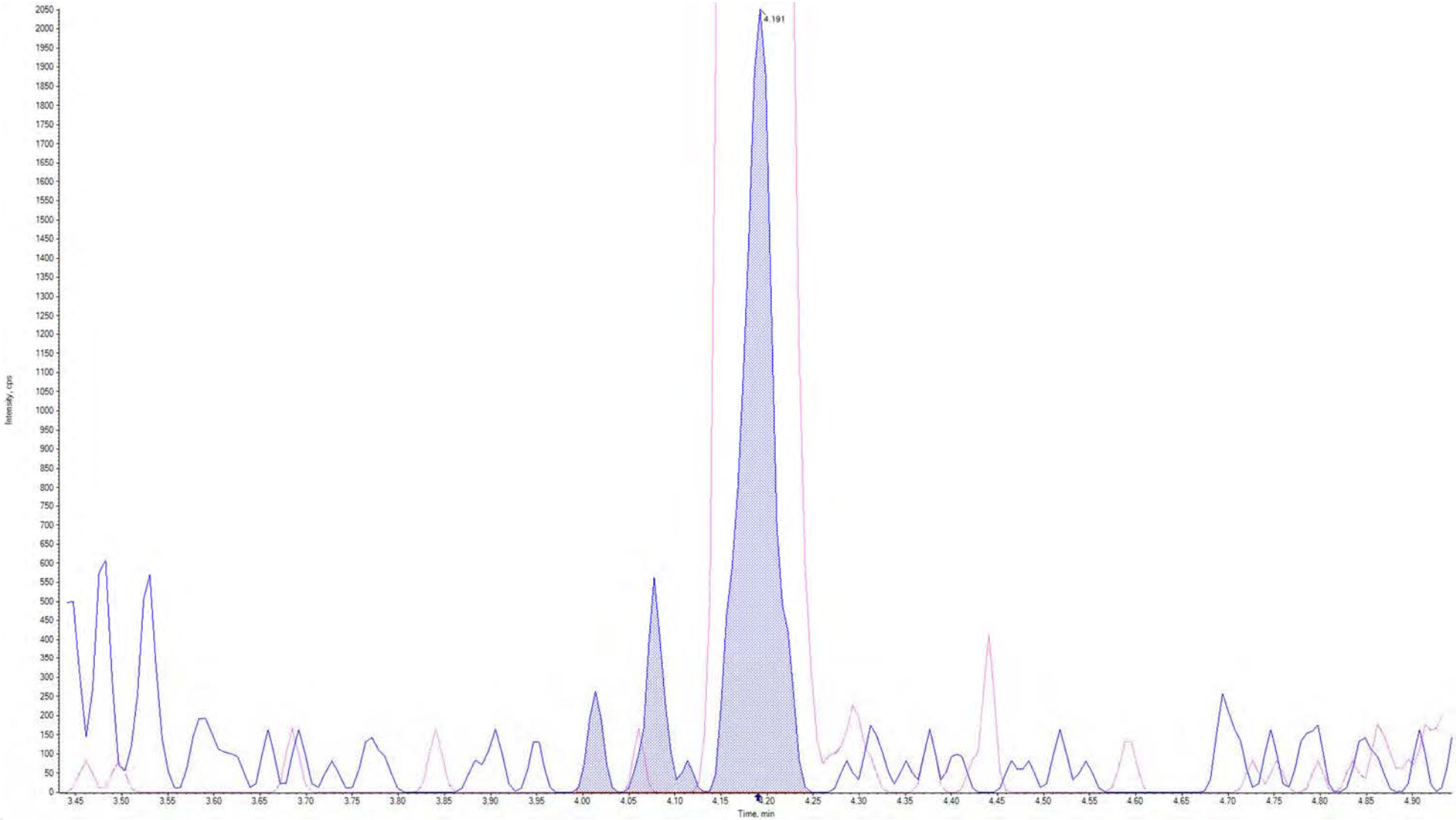
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_35.wiff2_2
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFHpS_2
Sample: WG2035470-3,INSTBLANK S/N:N/A Points Across peak:N/A



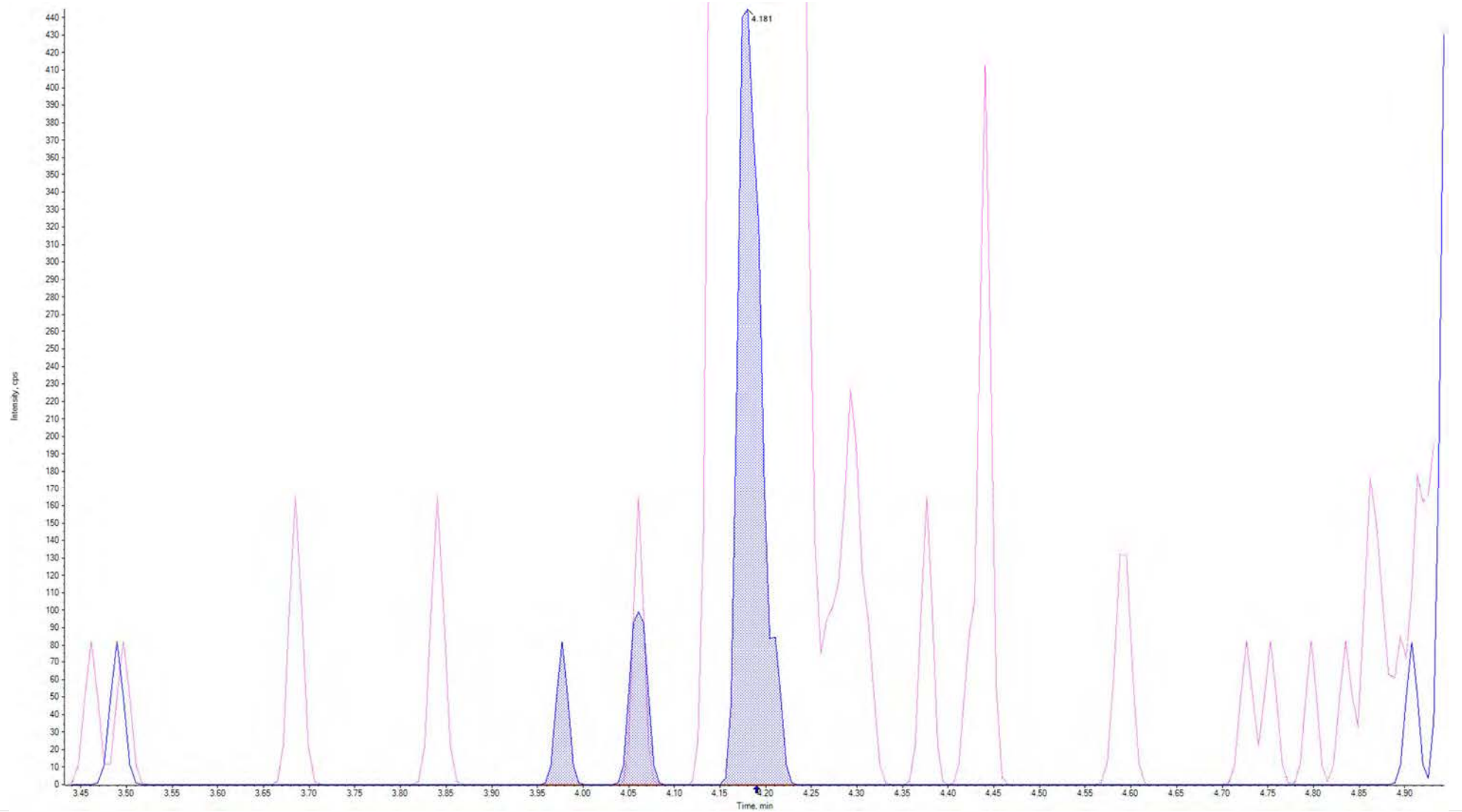
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_35.wiff2_2
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFOS
Sample: WG2035470-3,INSTBLANK S/N:25.7 Points Across peak:45



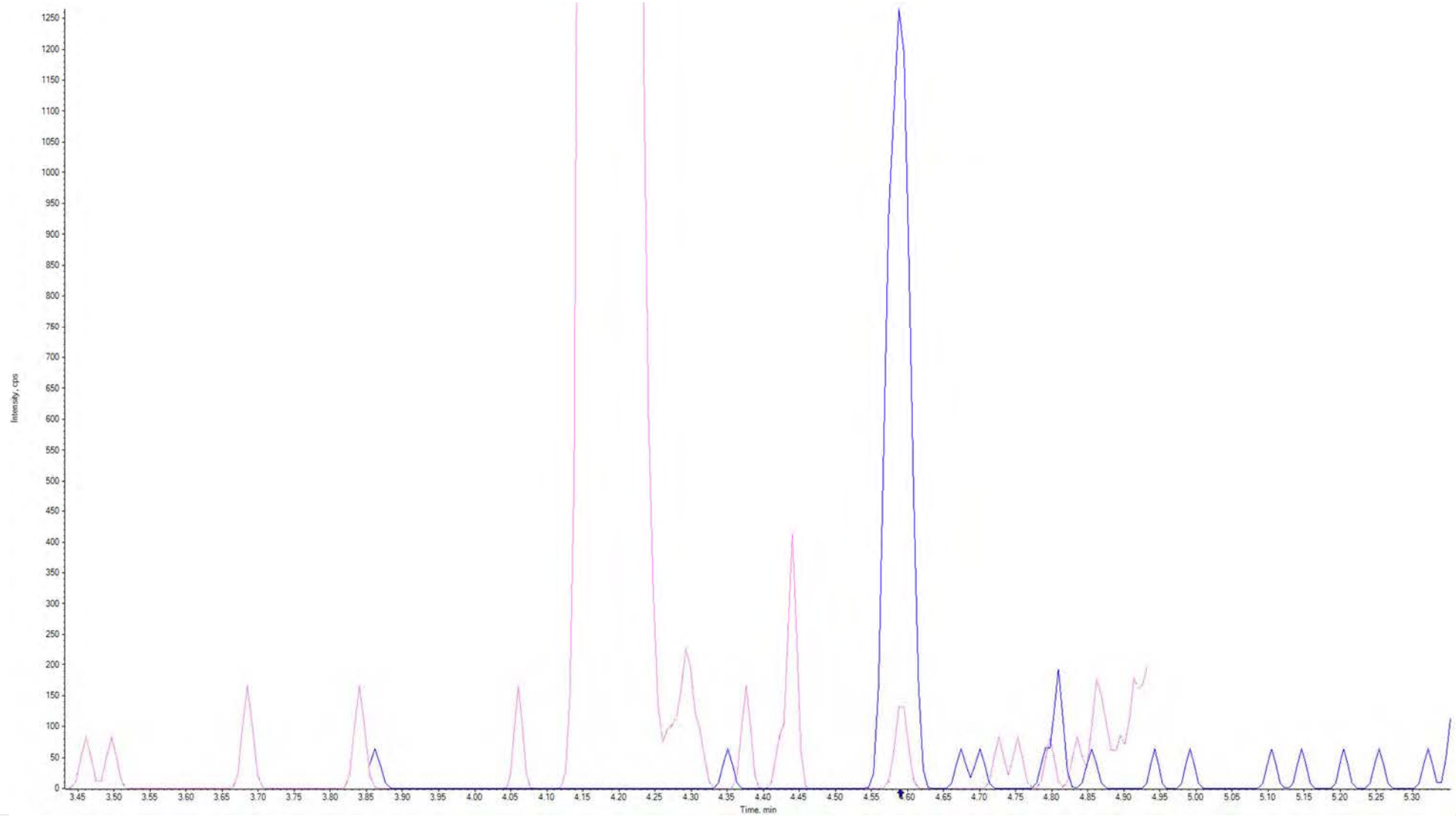
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_35.wiff2_2
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFOS_2
Sample: WG2035470-3,INSTBLANK S/N:5.6 Points Across peak:48



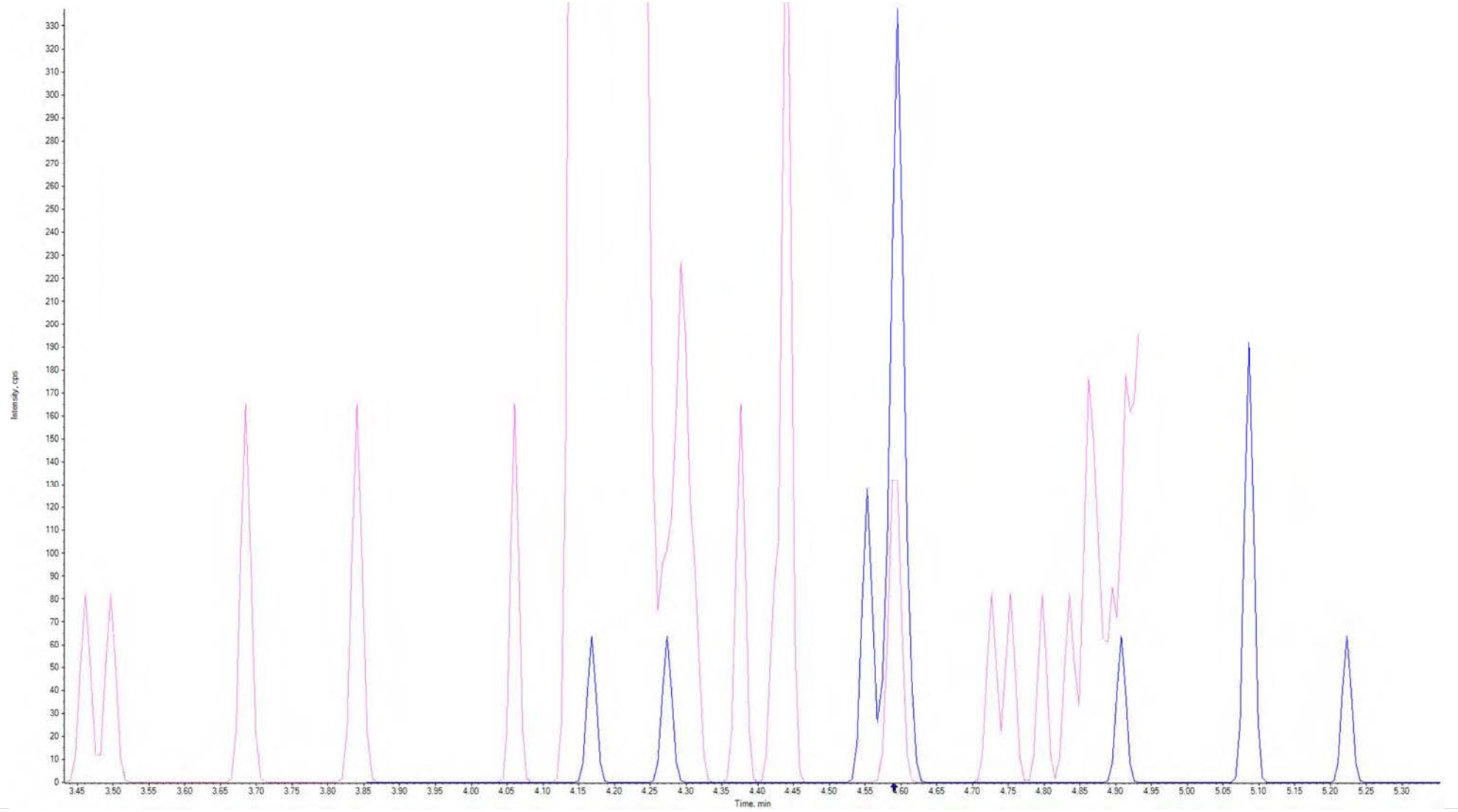
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_35.wiff2_2
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFNS
Sample: WG2035470-3,INSTBLANK 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\250228\SCI07_250228_35.wiff2_2
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFNS_2
Sample: WG2035470-3,INSTBLANK 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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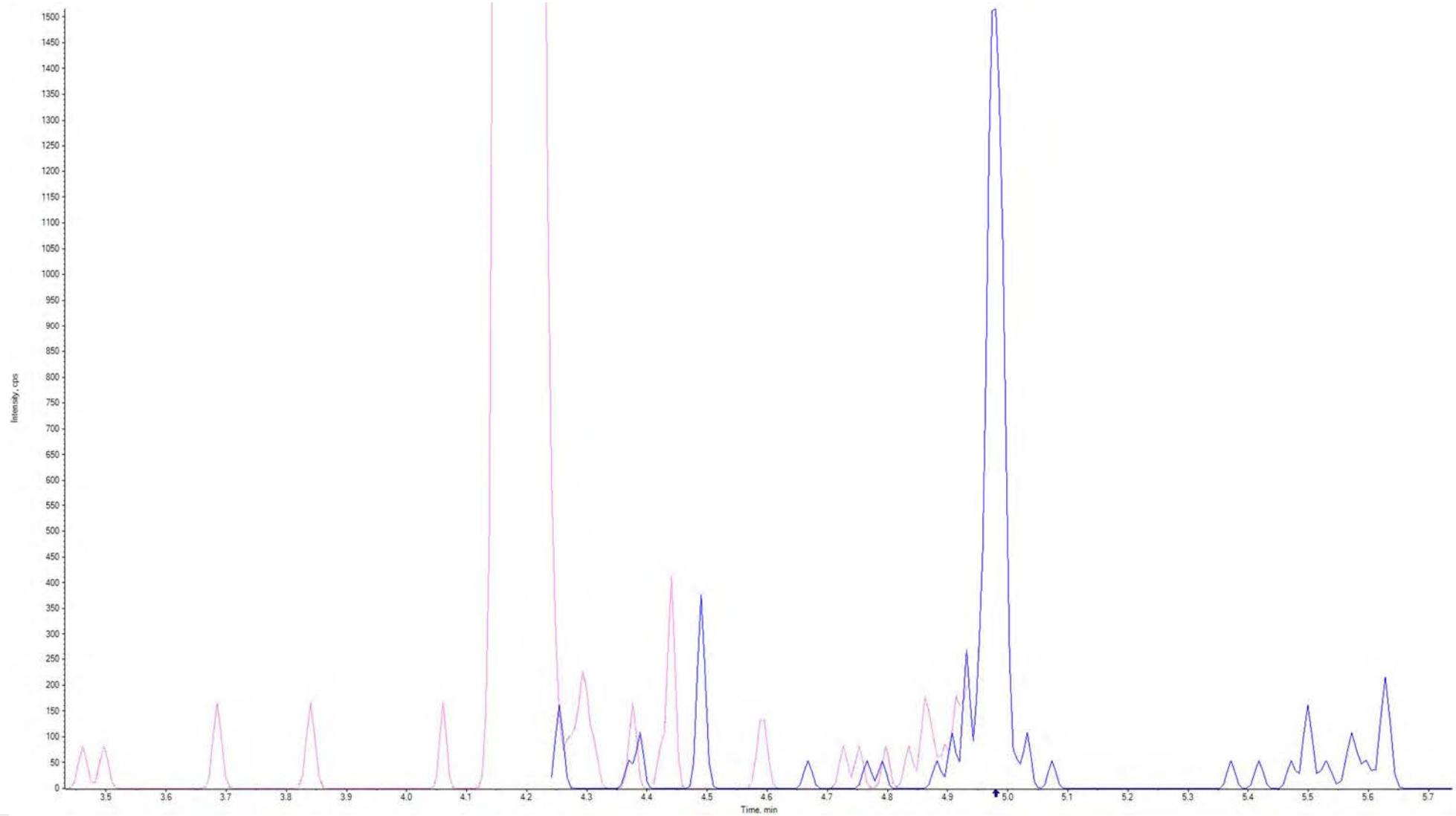
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFDS
Sample: WG2035470-3,INSTBLANK 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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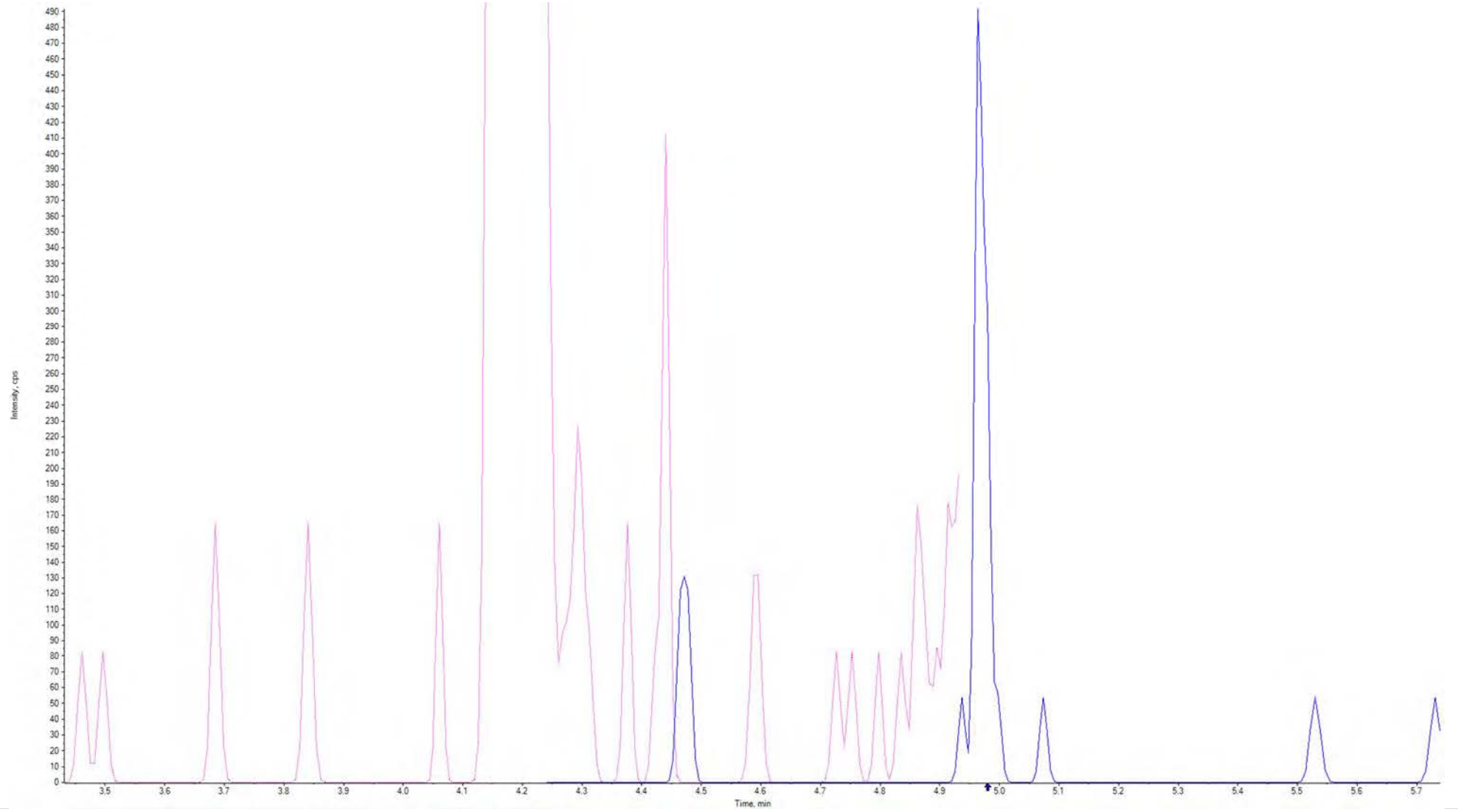
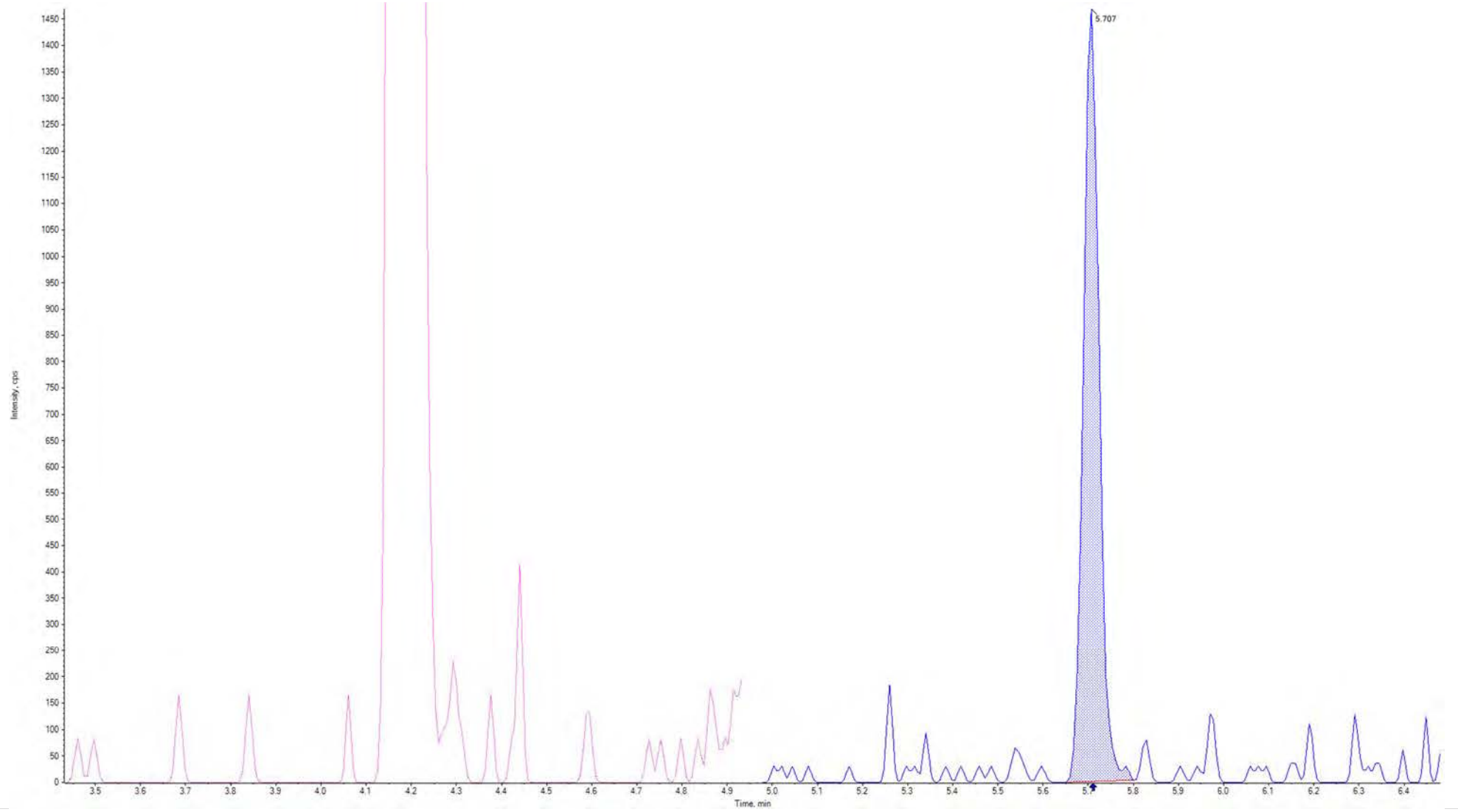
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFDS_2
Sample: WG2035470-3,INSTBLANK S/N:N/A Points Across peak:N/A



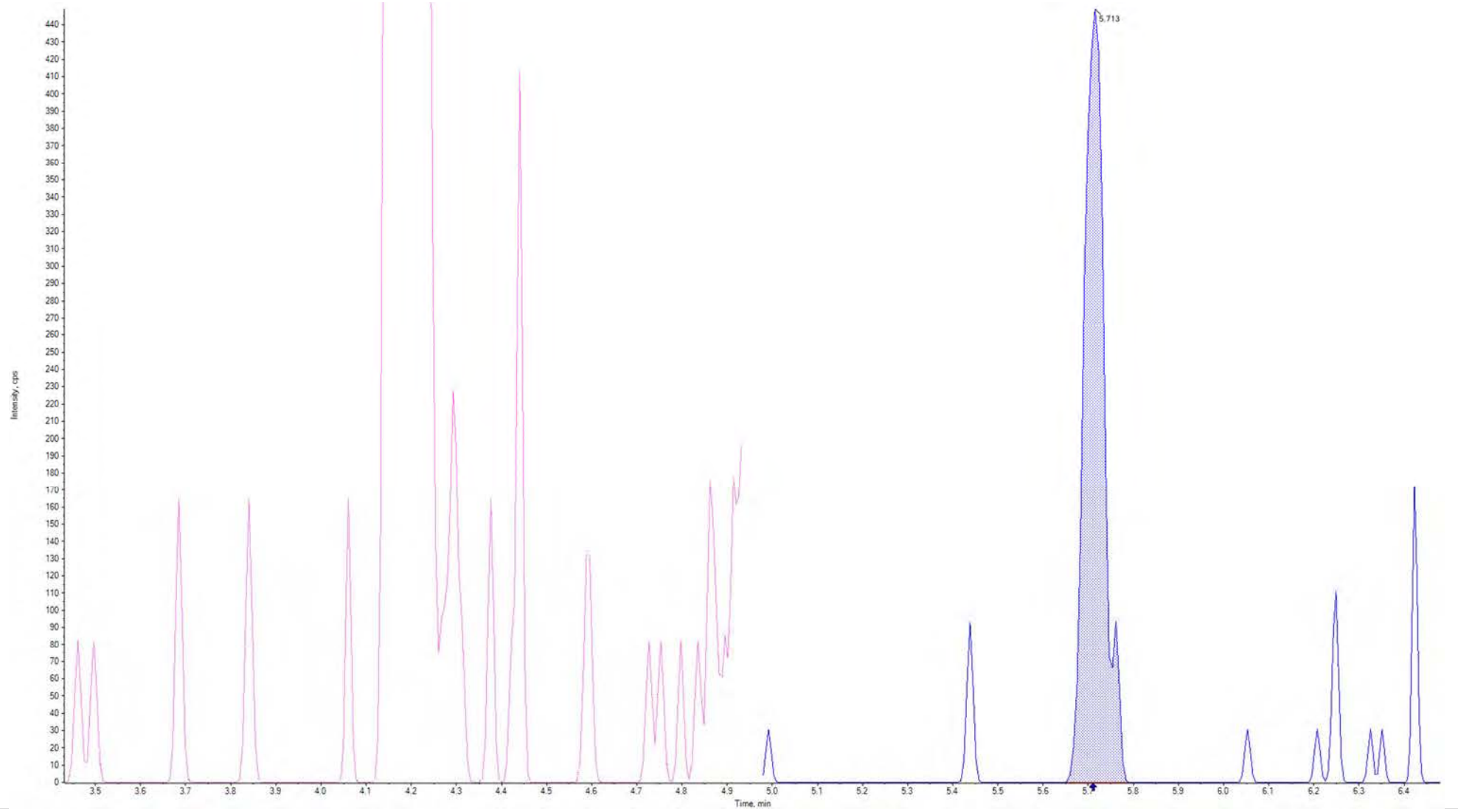
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_35.wiff2_2
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFDoS
Sample: WG2035470-3,INSTBLANK S/N:47.8 Points Across peak:21



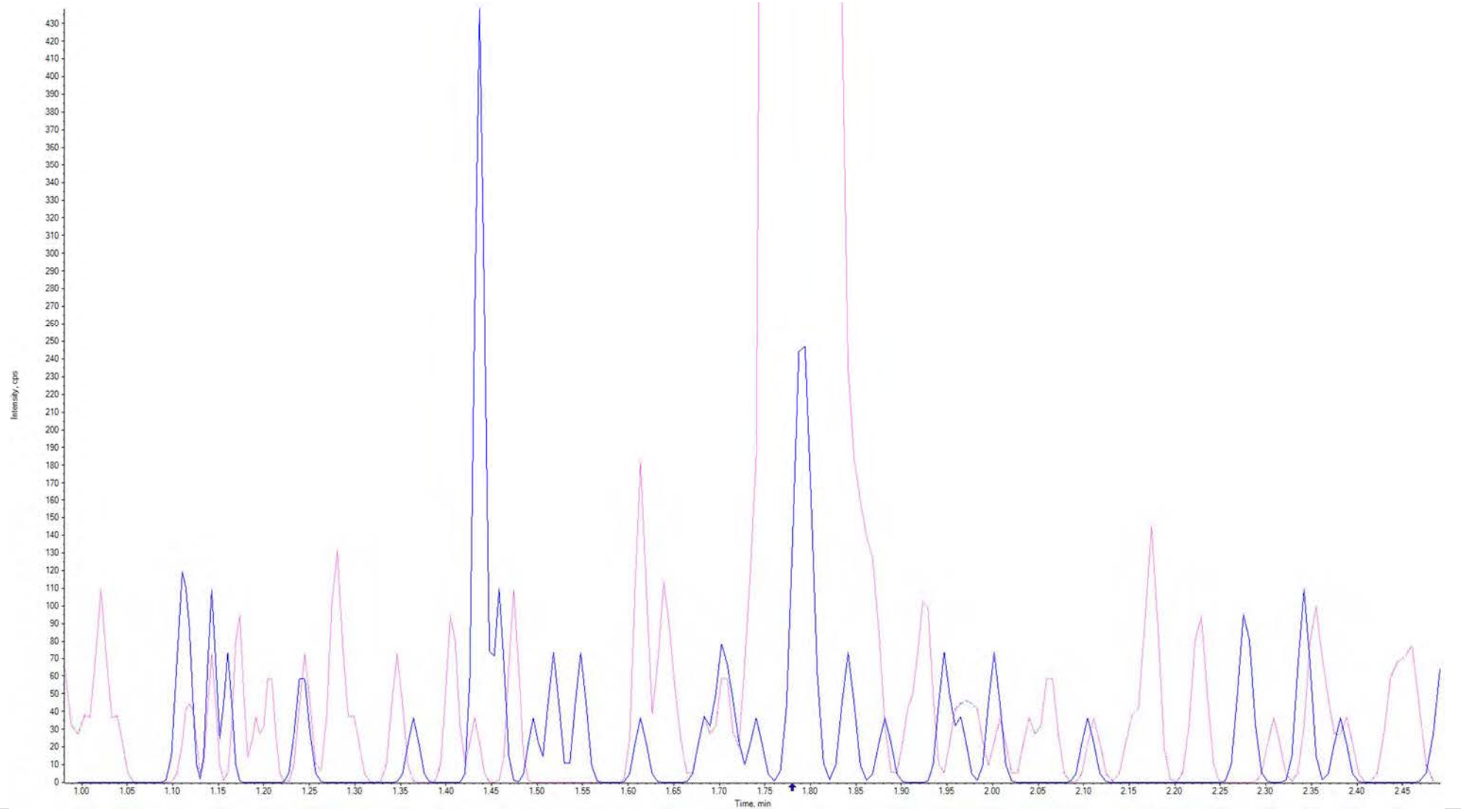
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_35.wiff2_2
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFDoS_2
Sample: WG2035470-3,INSTBLANK S/N:14.6 Points Across peak:21



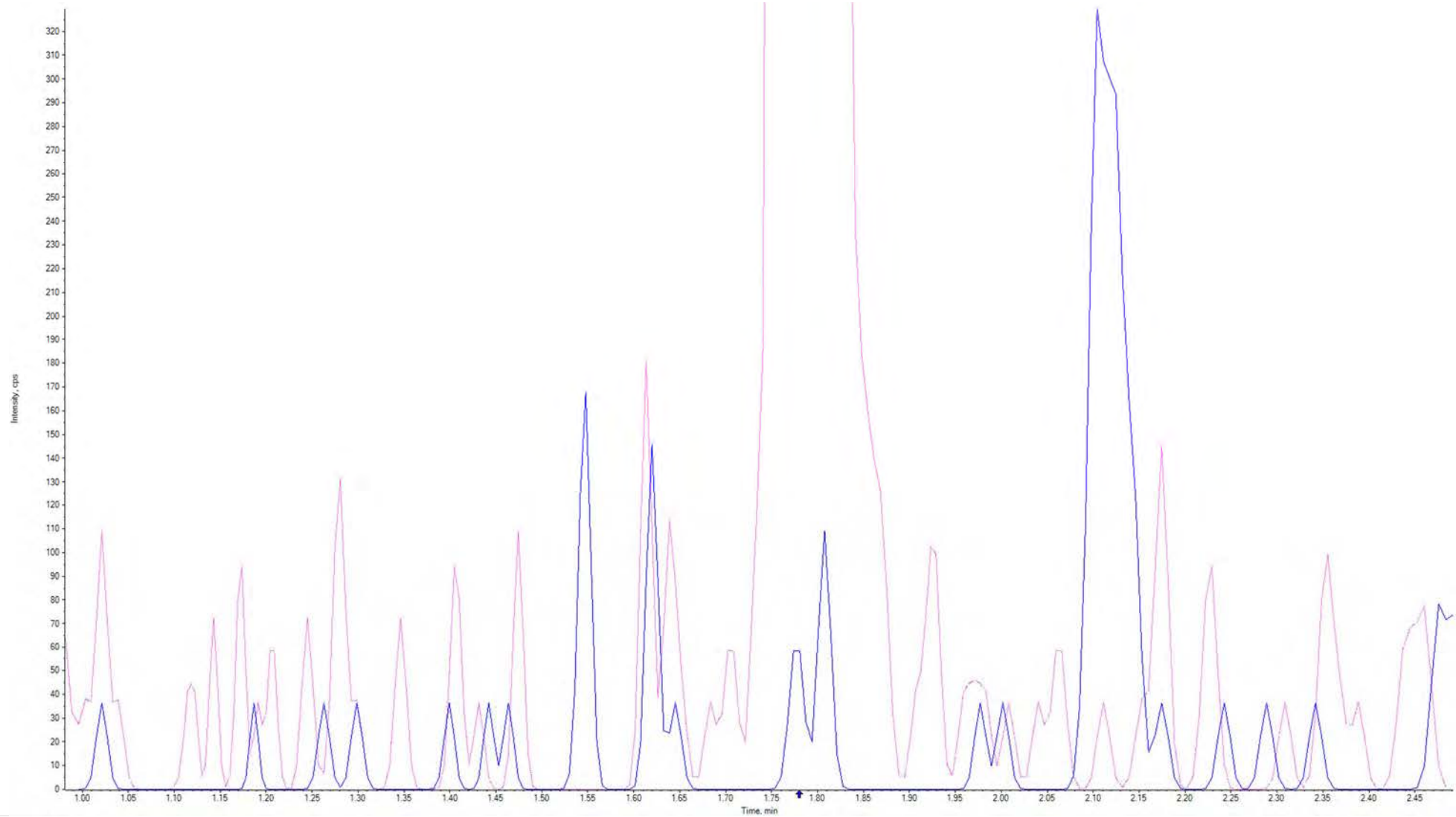
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_35.wiff2_2
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

4:2FTS
Sample: WG2035470-3,INSTBLANK S/N:N/A Points Across peak:N/A



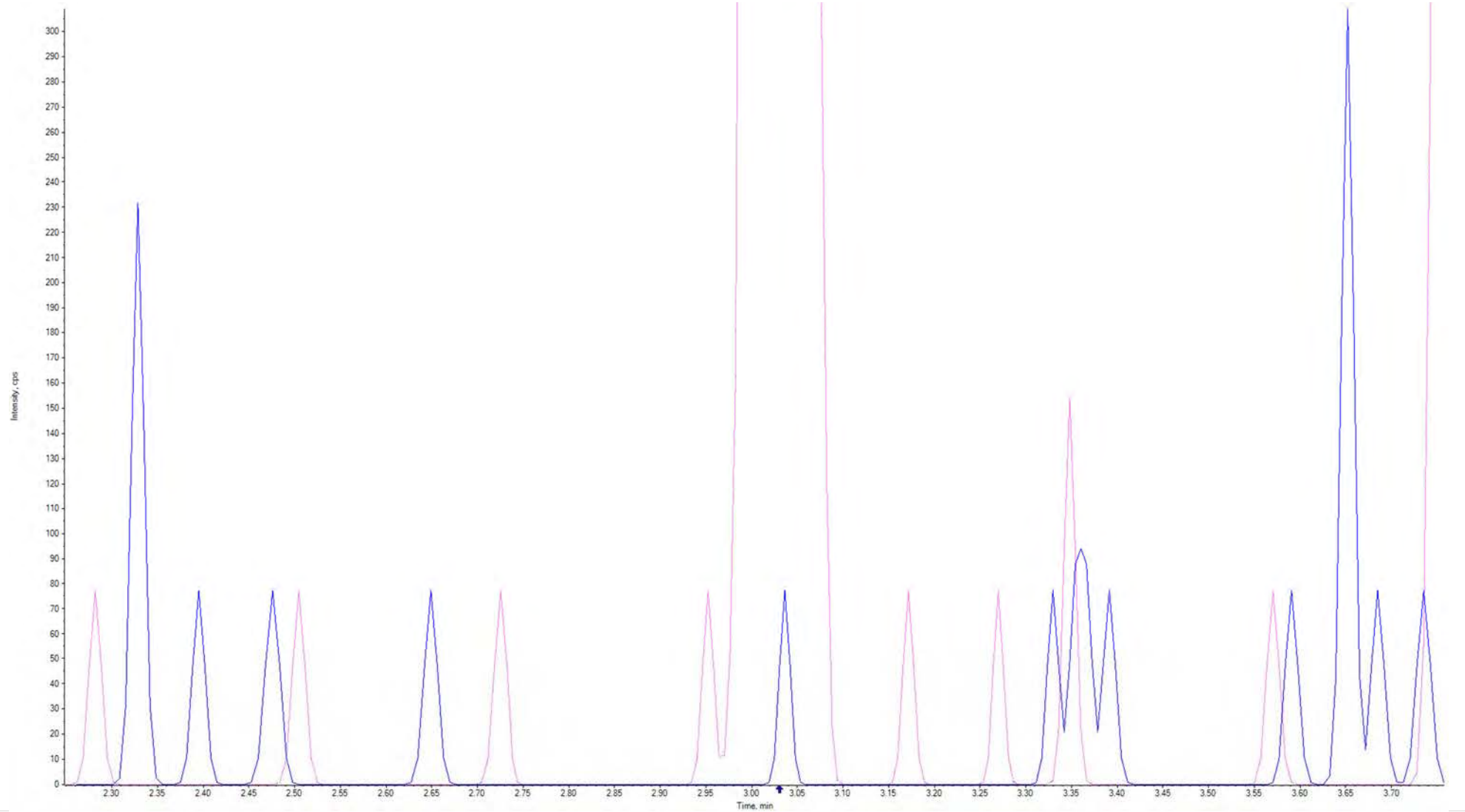
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_35.wiff2_2
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

4:2FTS_2
Sample: WG2035470-3,INSTBLANK S/N:N/A Points Across peak:N/A



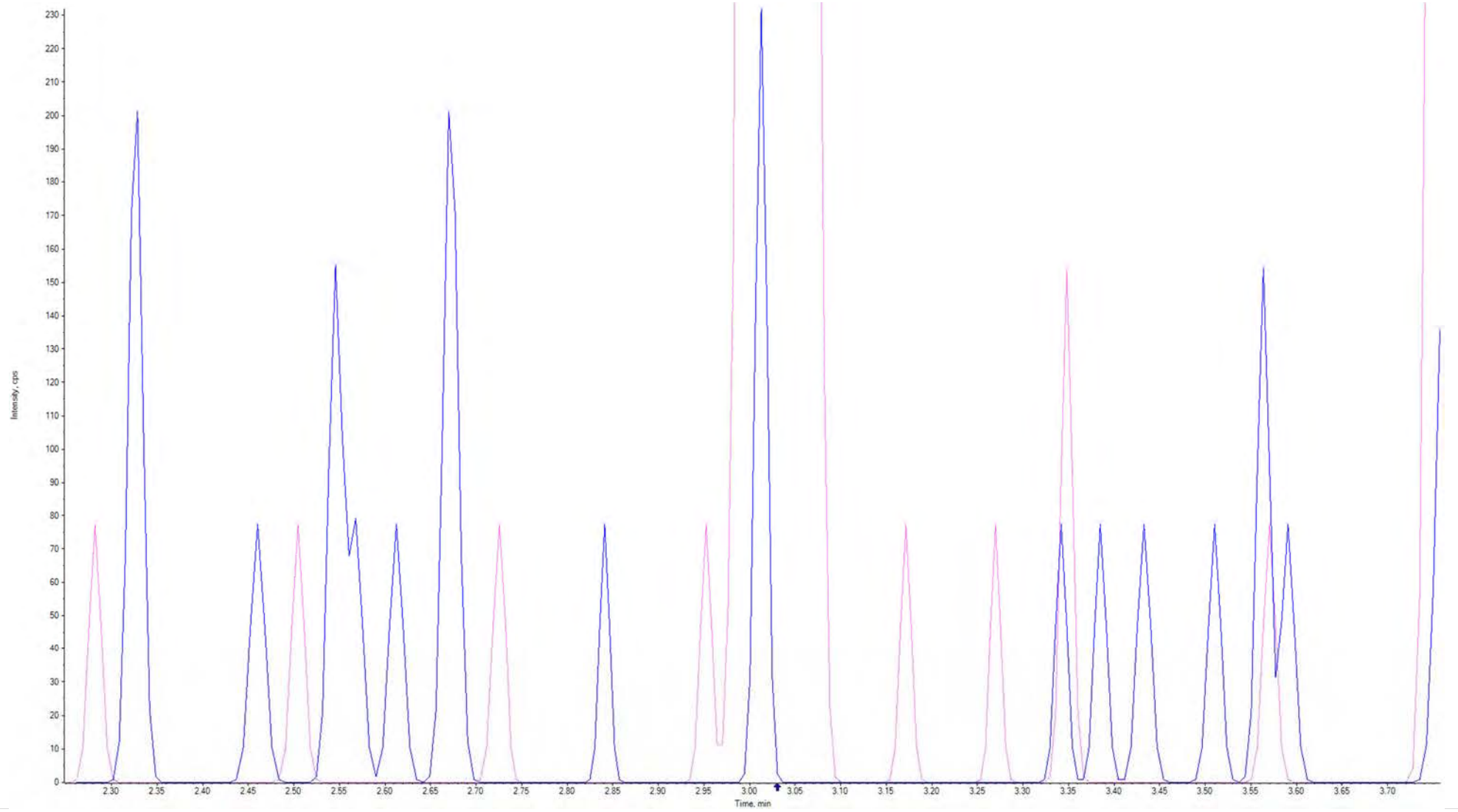
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_35.wiff2_2
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

6:2FTS
Sample: WG2035470-3,INSTBLANK 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\250228\SCI07_250228_35.wiff2_2
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

6:2FTS_2
Sample: WG2035470-3,INSTBLANK 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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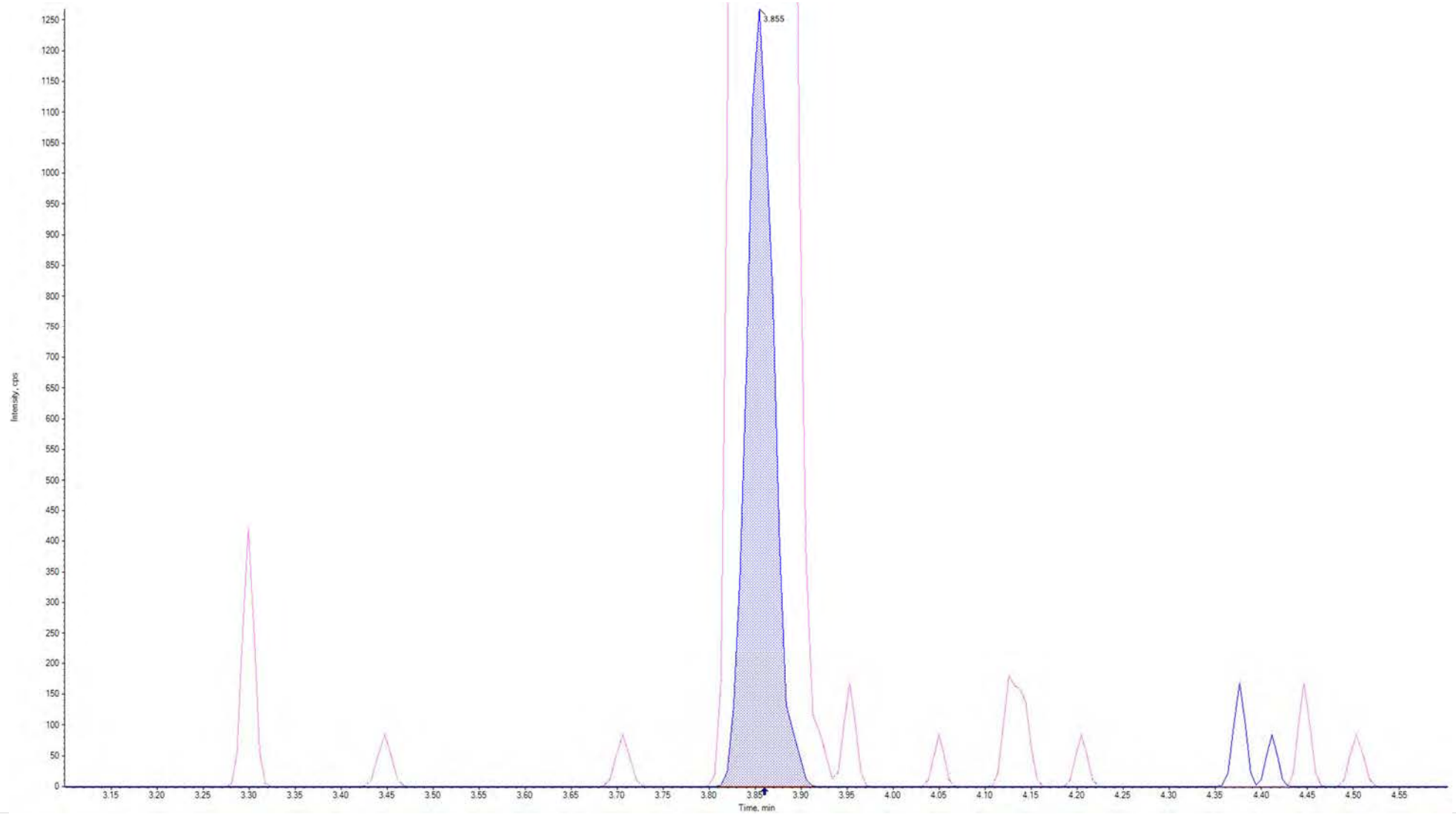
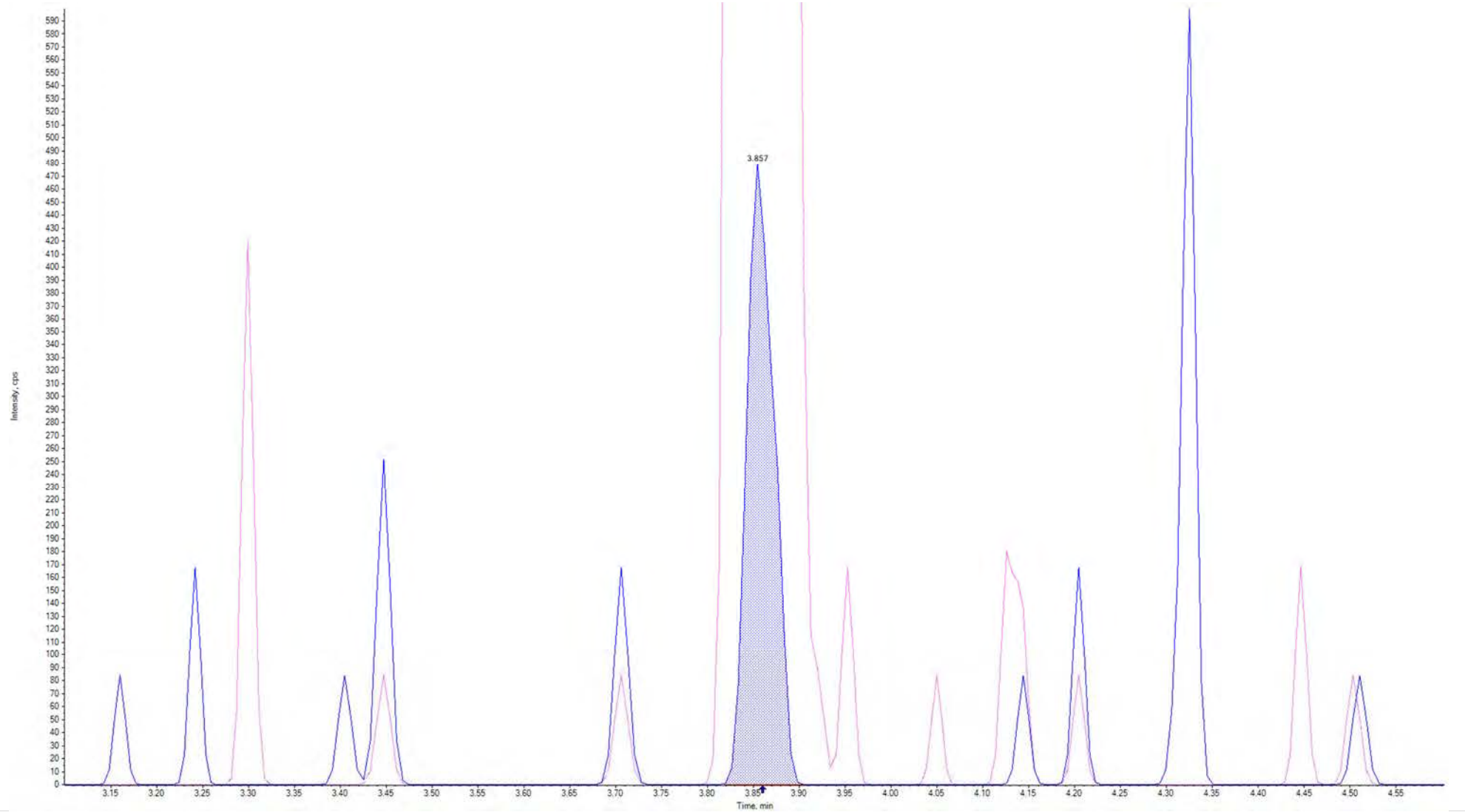
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

8:2FTS
Sample: WG2035470-3,INSTBLANK S/N:15.9 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\250228\SCI07_250228_35.wiff2_2
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

8:2FTS_2
Sample: WG2035470-3,INSTBLANK S/N:6.0 Points Across peak:15



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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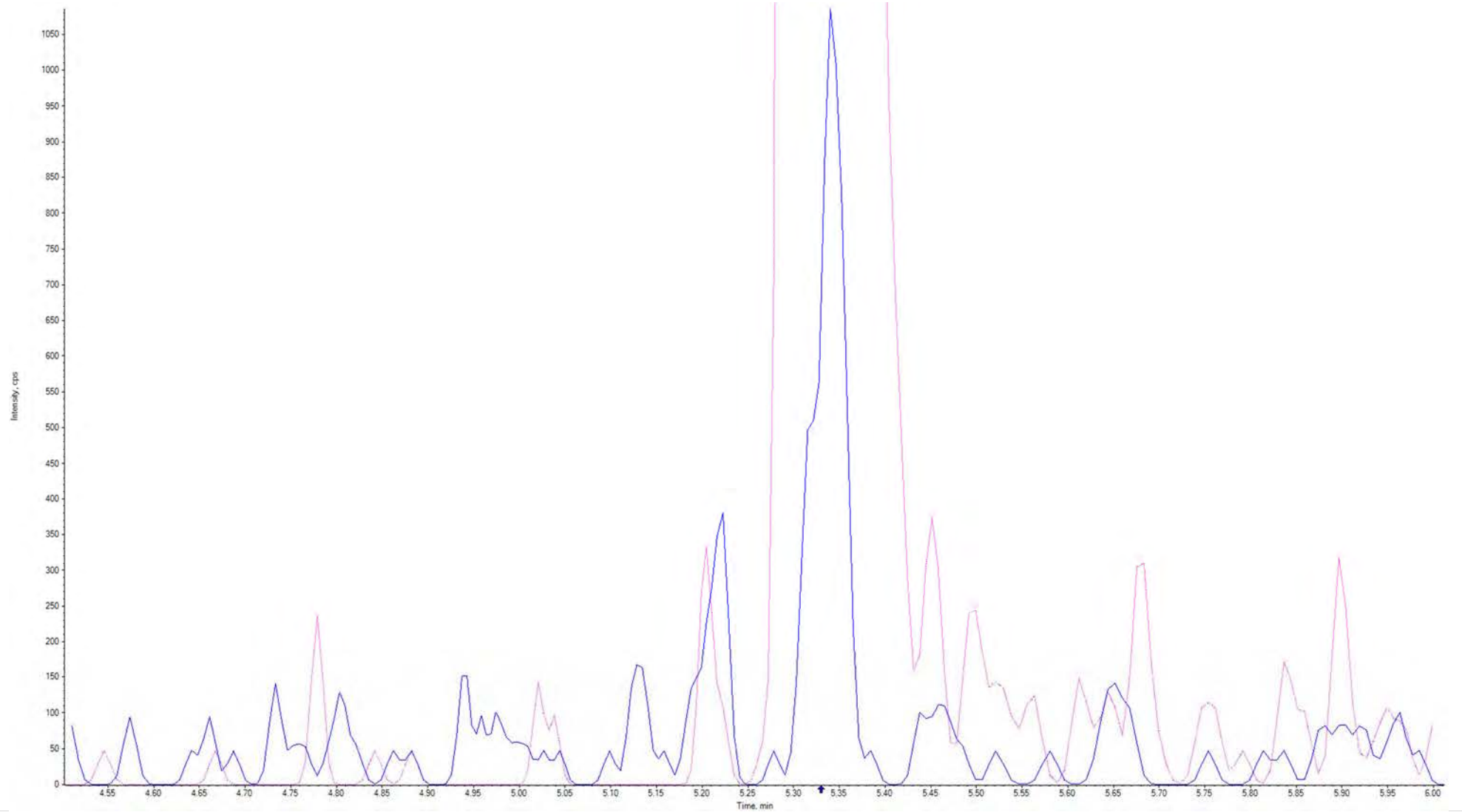
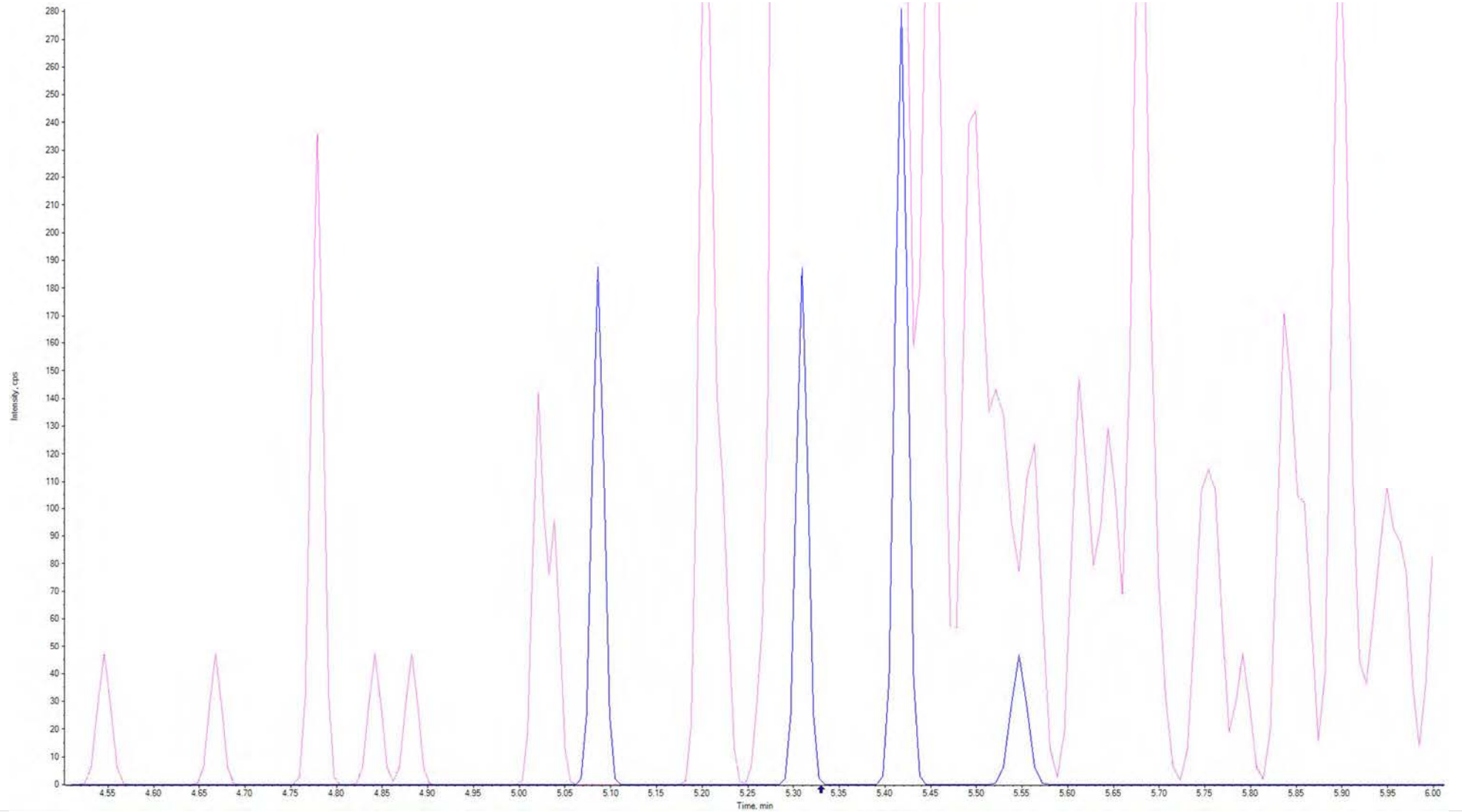
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFOSA
Sample: WG2035470-3,INSTBLANK S/N:N/A Points Across peak:N/A



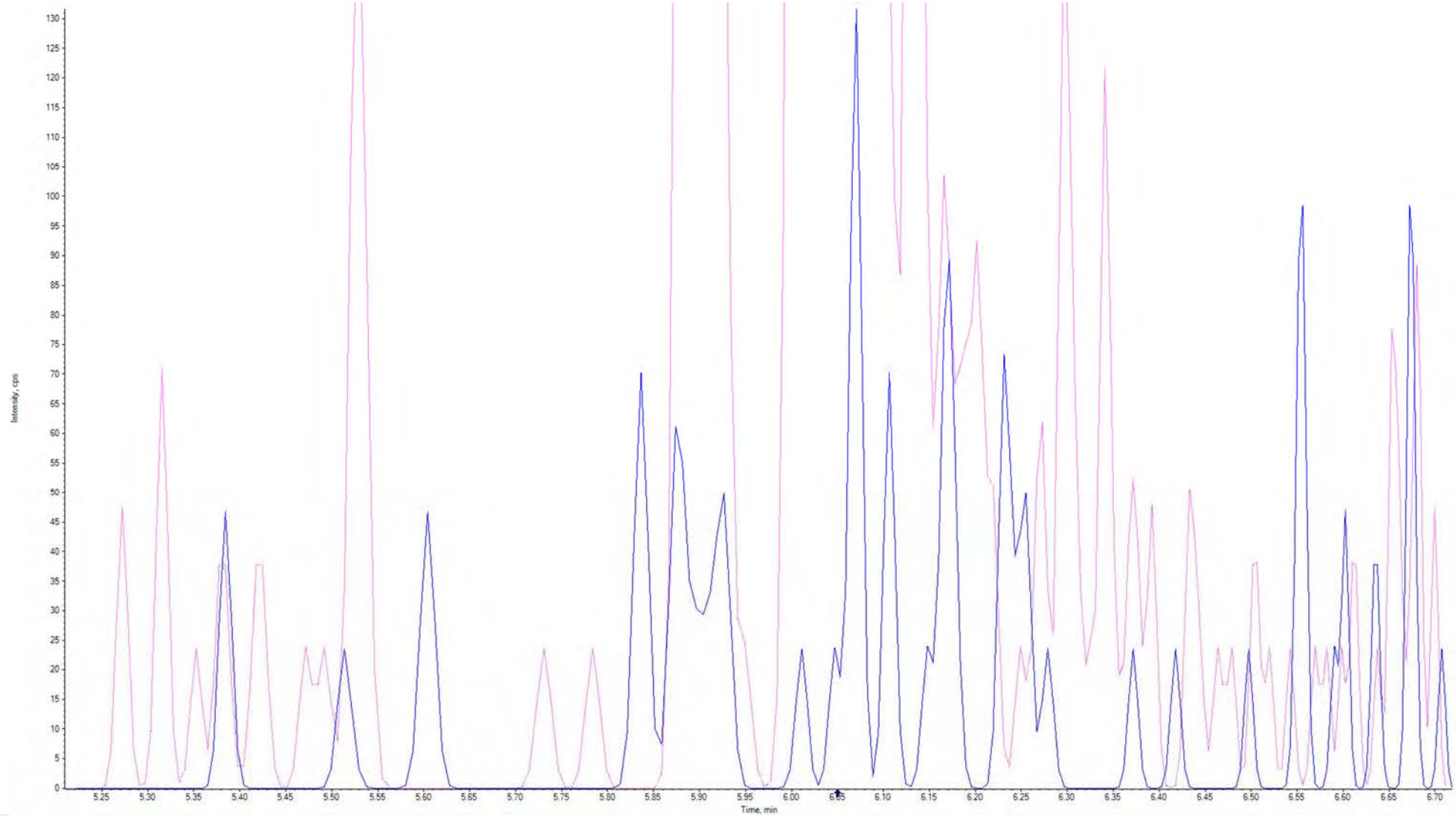
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_35.wiff2_2
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFOSA_2
Sample: WG2035470-3,INSTBLANK S/N:N/A Points Across peak:N/A



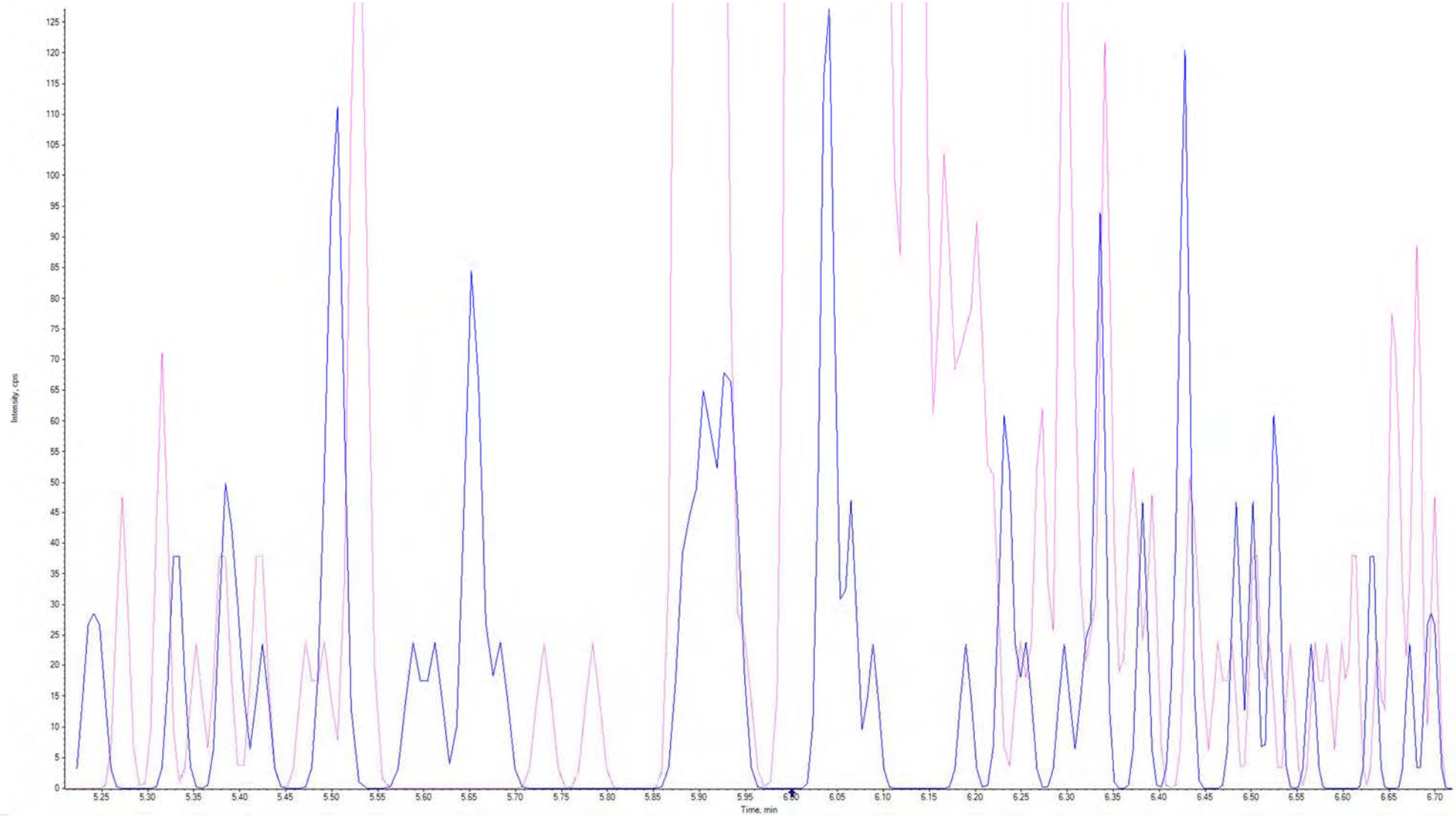
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_35.wiff2_2
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

NMeFOSA
Sample: WG2035470-3,INSTBLANK 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\250228\SCI07_250228_35.wiff2_2
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

NMeFOSA_2
Sample: WG2035470-3,INSTBLANK 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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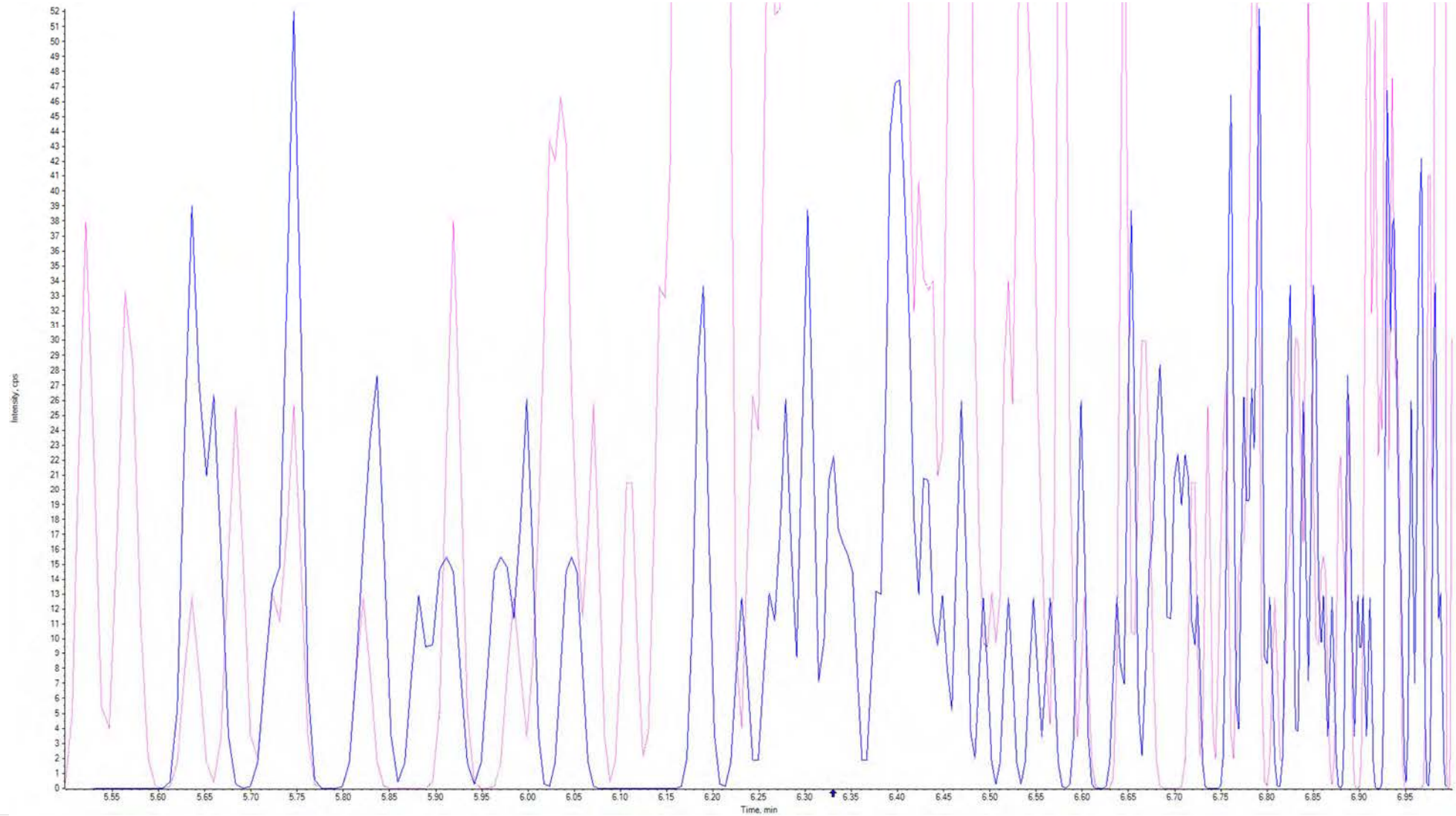
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

NEtFOSA
Sample: WG2035470-3,INSTBLANK 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: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

NEtFOSA_2
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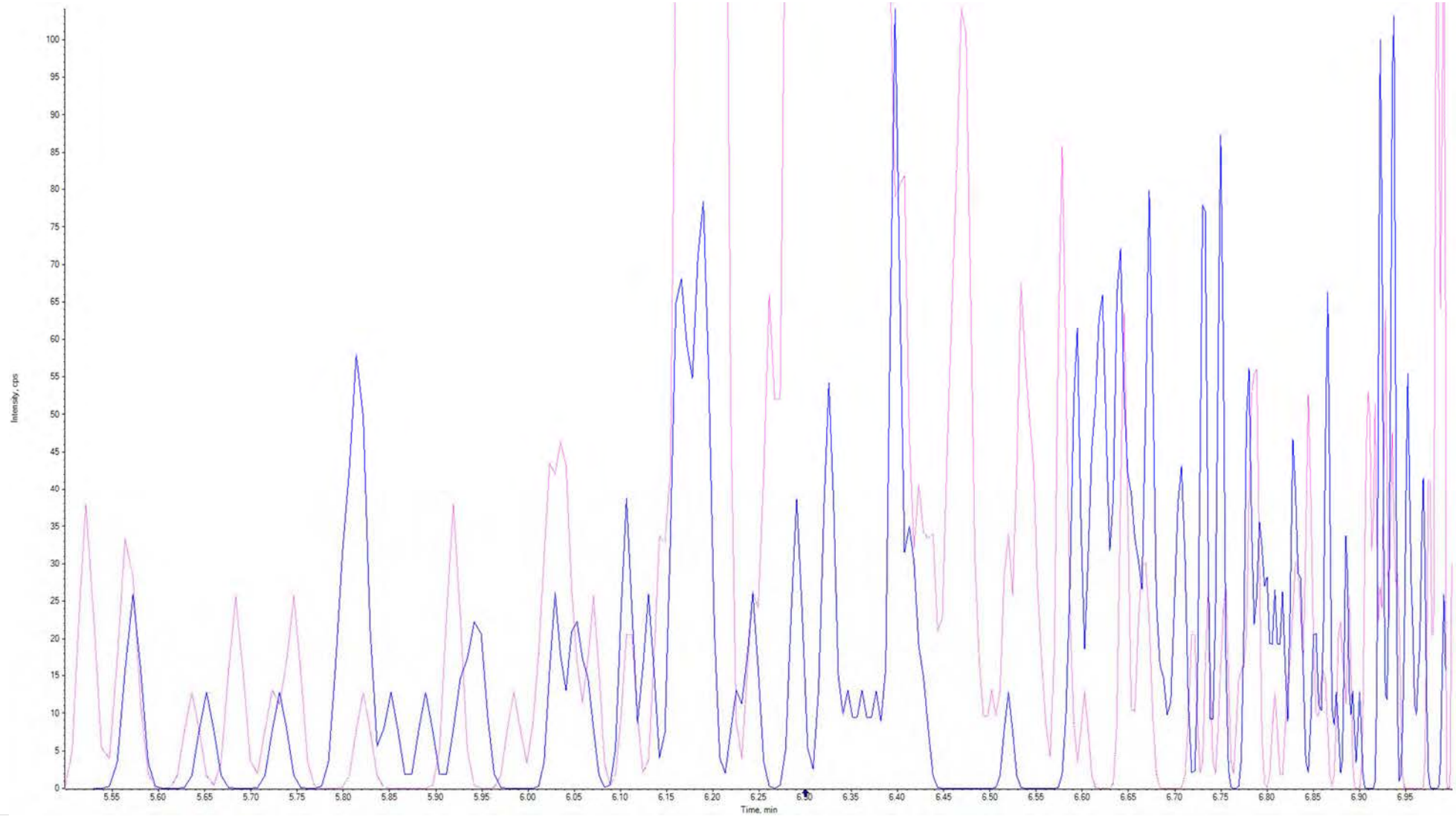

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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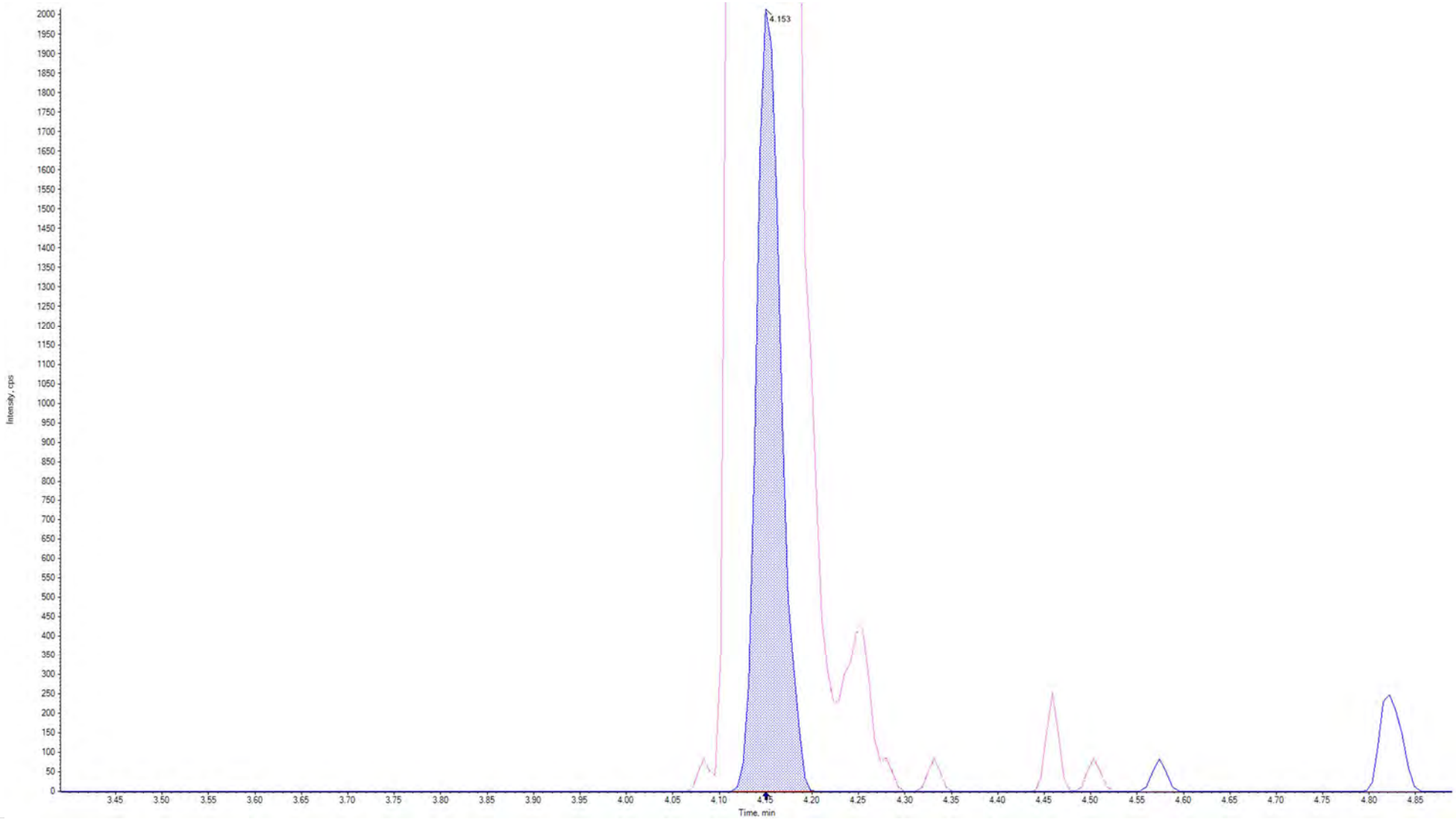
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

NMeFOSAA
Sample: WG2035470-3,INSTBLANK S/N:25.2 Points Across peak:25



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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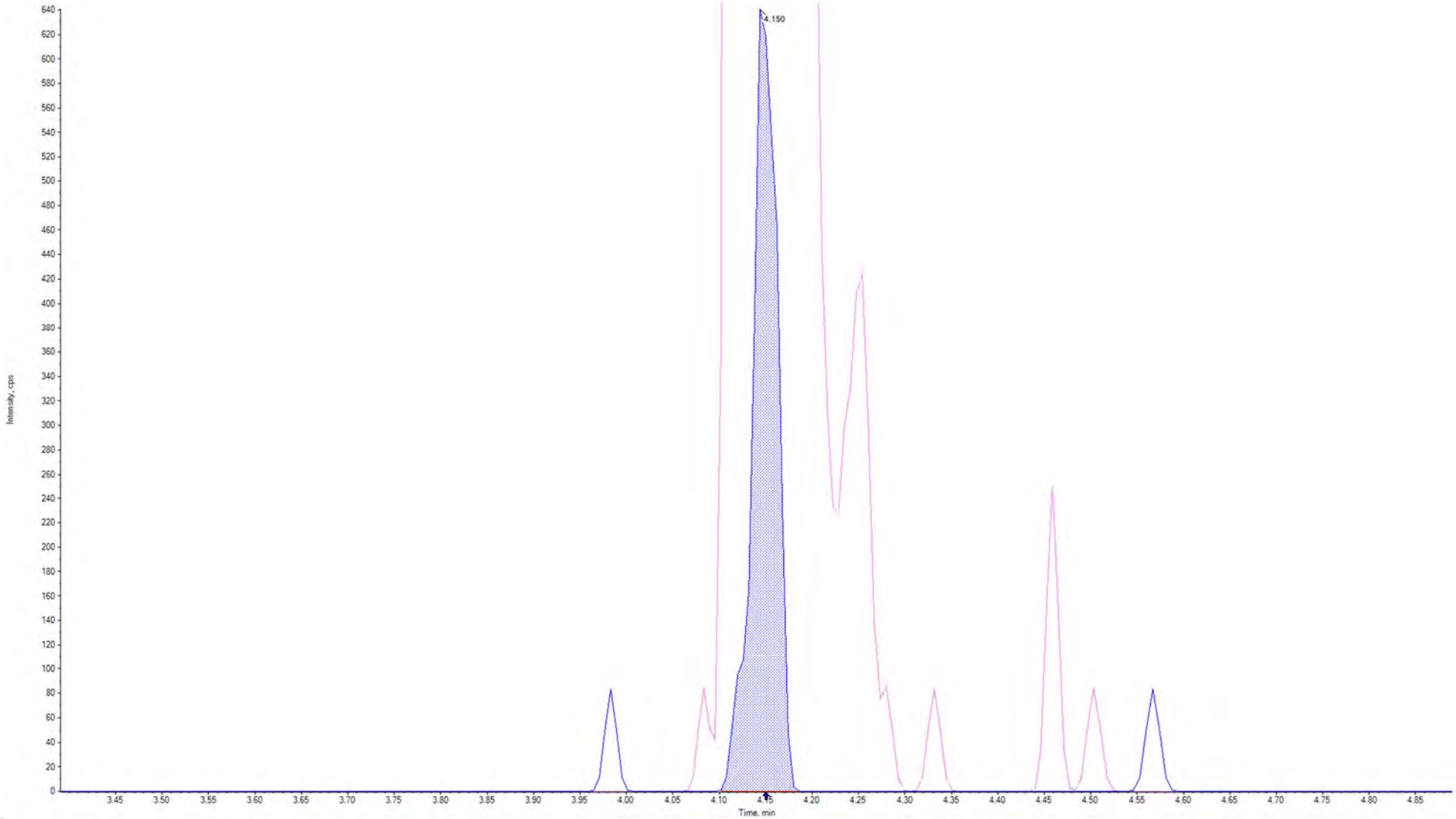
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

NMeFOSAA_2
Sample: WG2035470-3,INSTBLANK S/N:8.0 Points Across peak:16



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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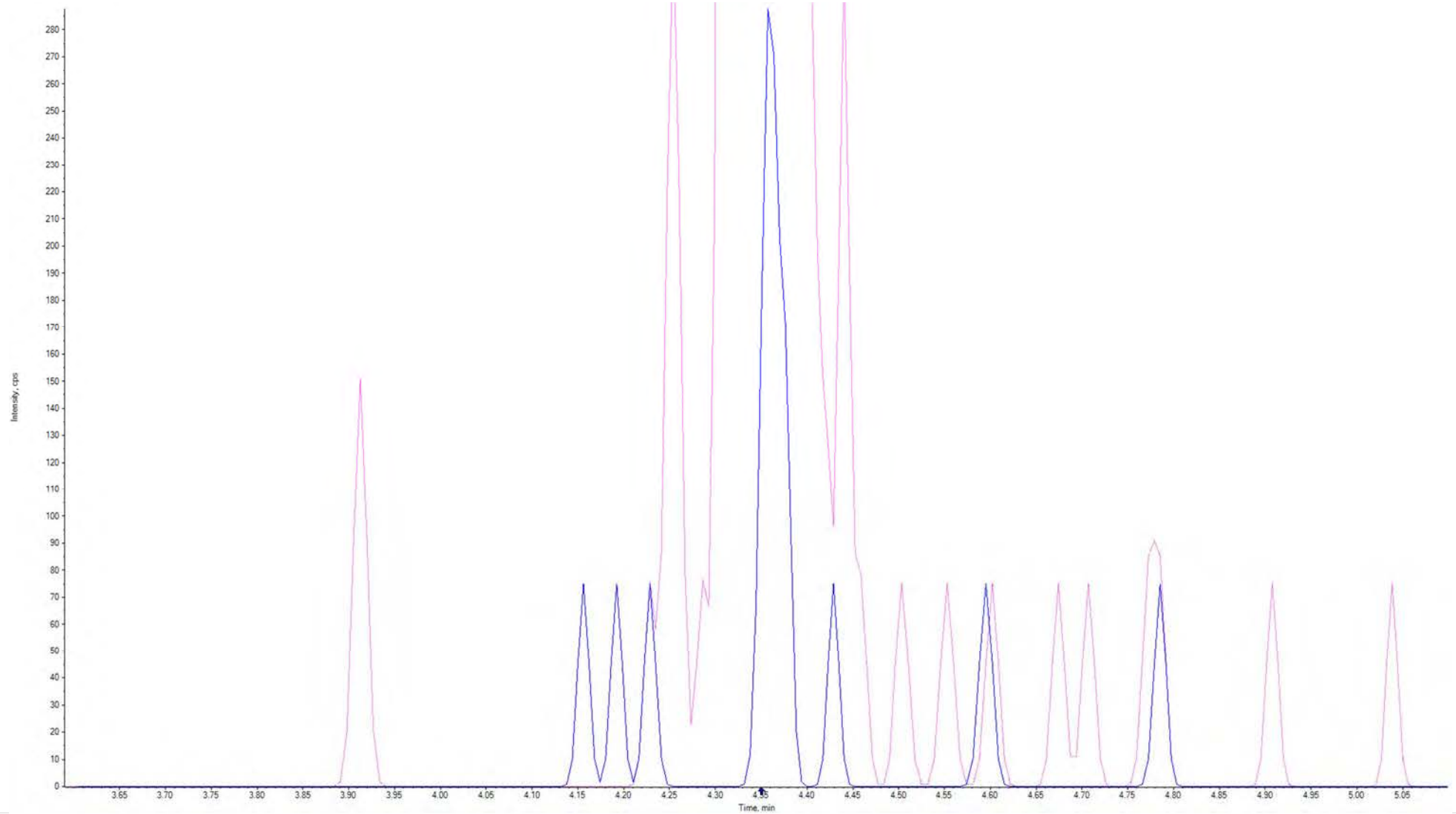
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

NEtFOSAA
Sample: WG2035470-3,INSTBLANK 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: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

NEtFOSAA_2
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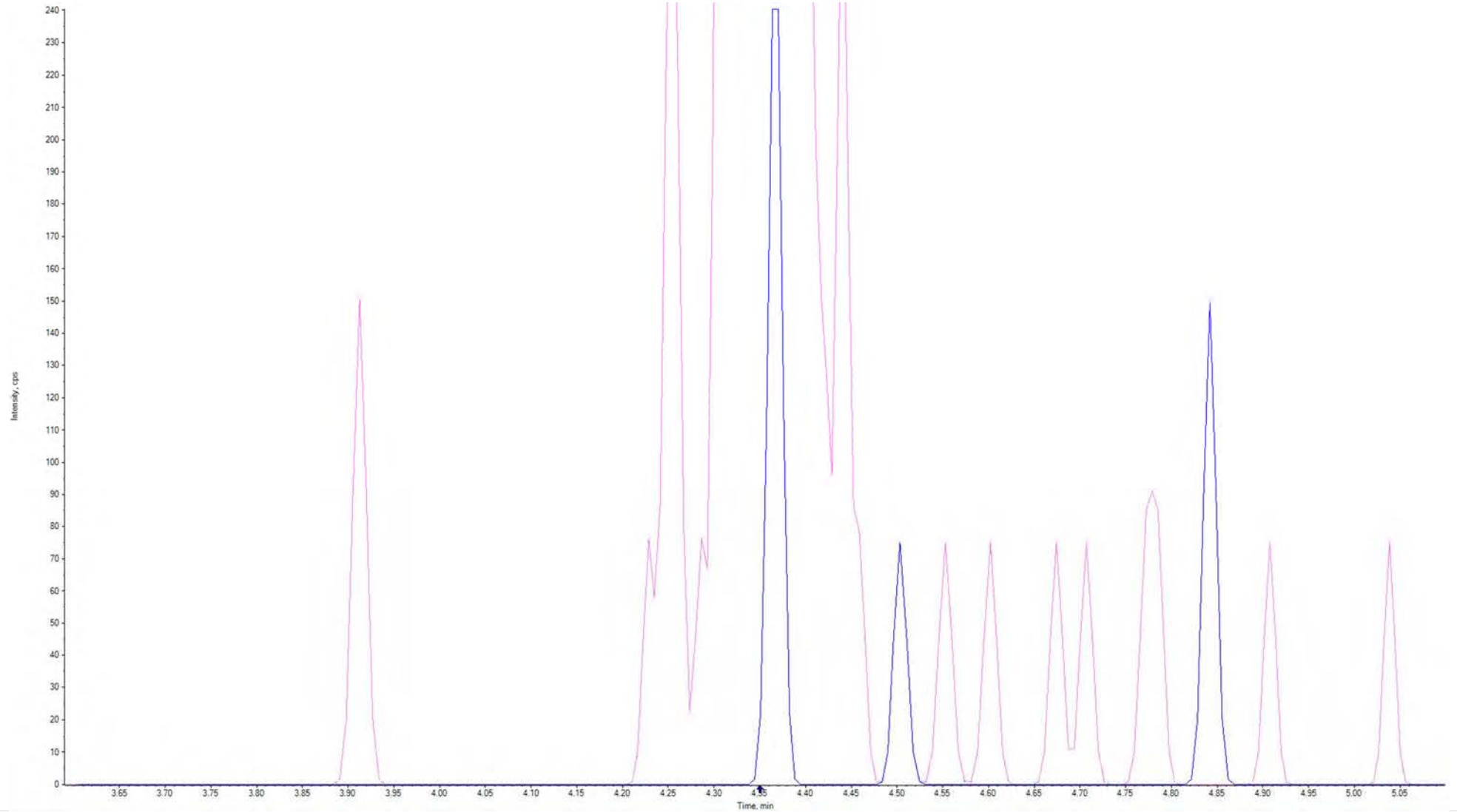
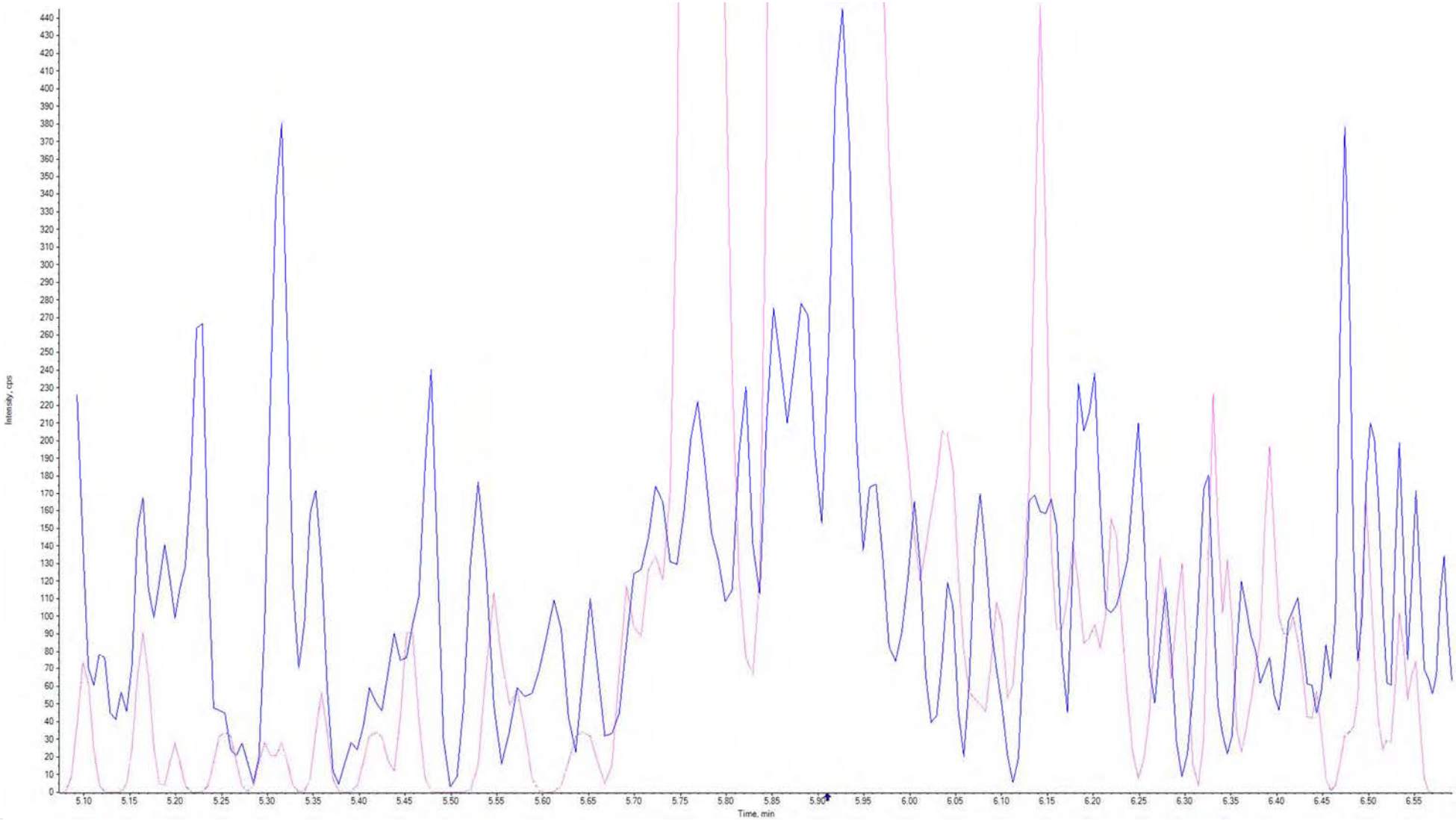
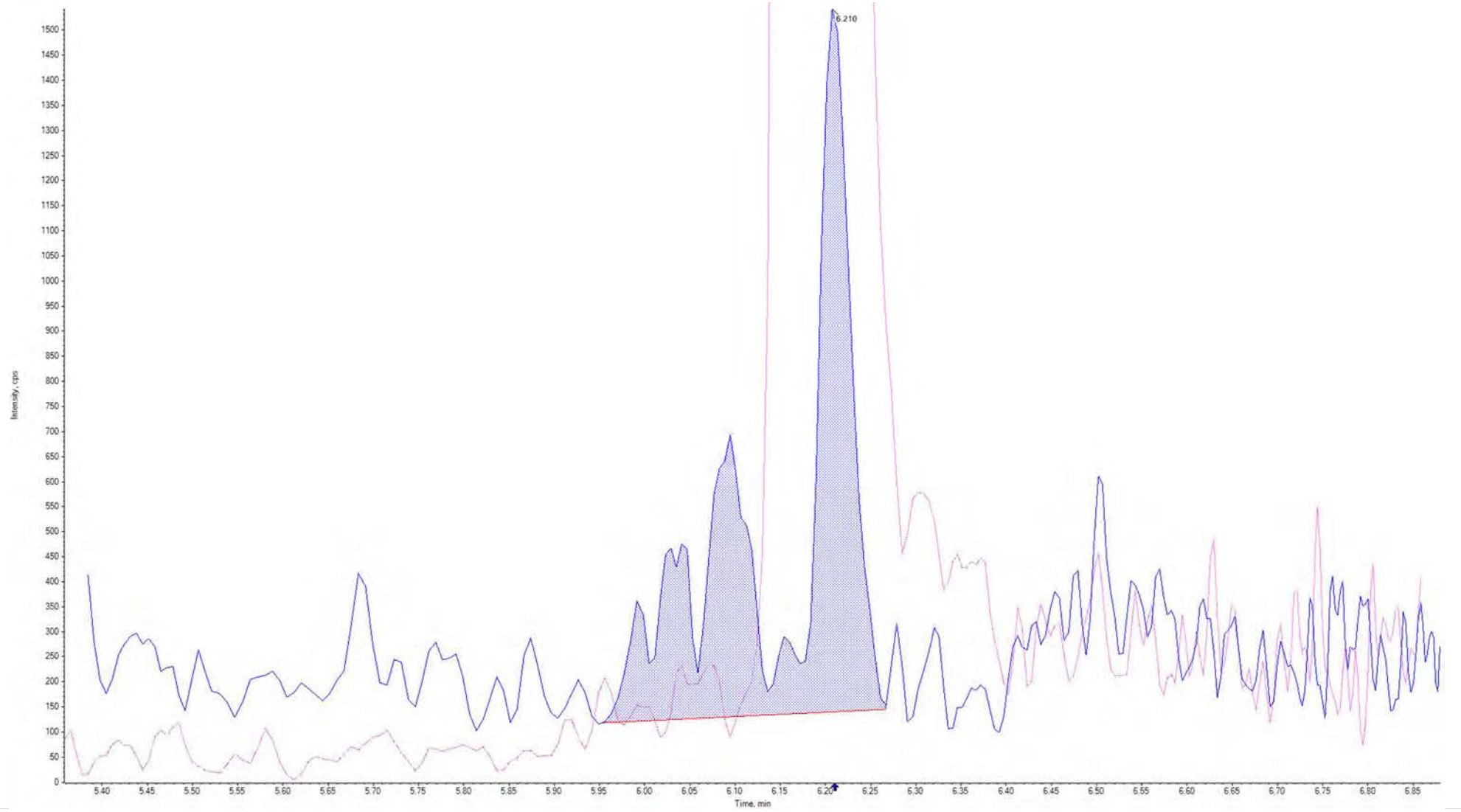


NMeFOSE
Sample: WG2035470-3,INSTBLANK S/N:N/A Points Across peak:N/A



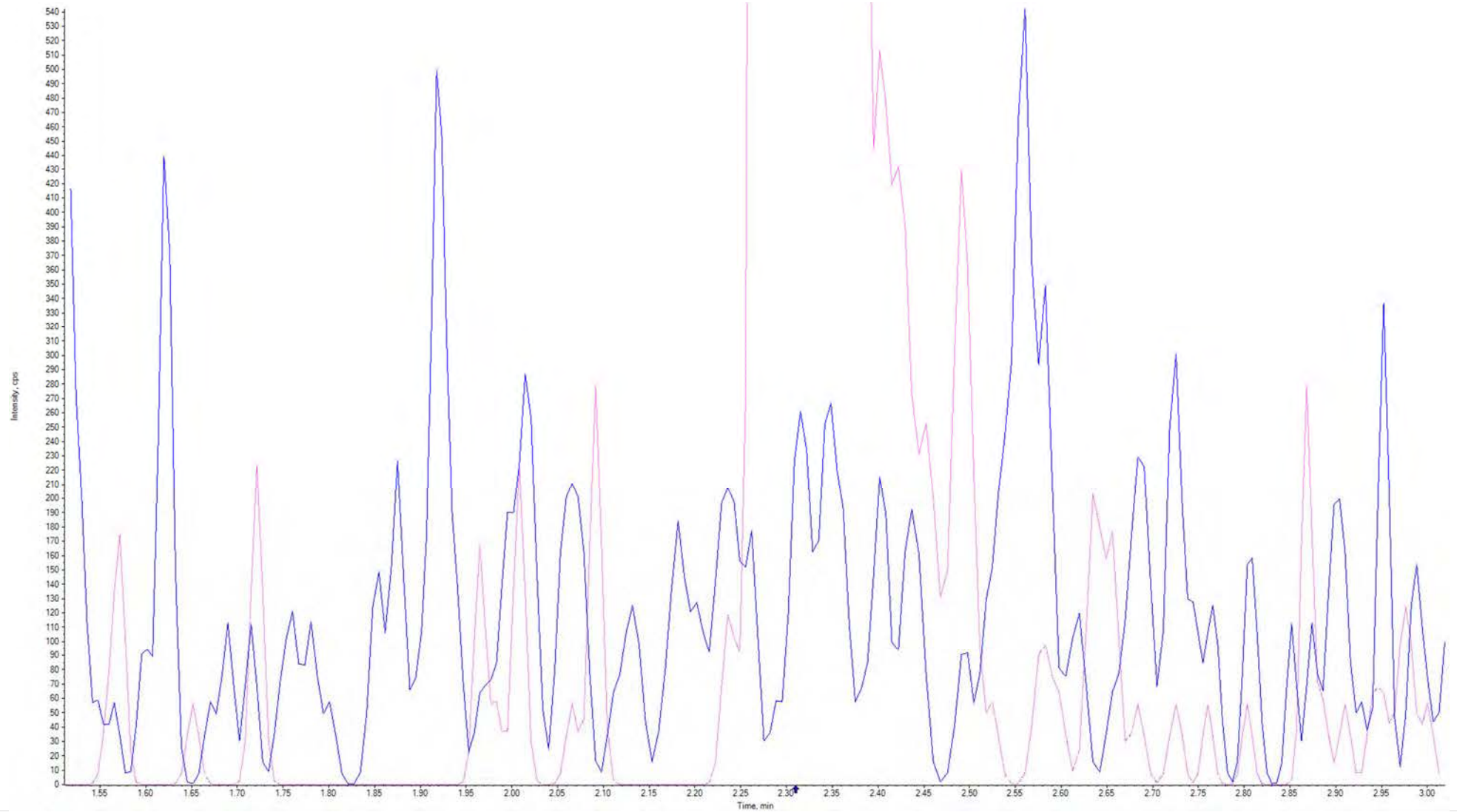
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_35.wiff2_2
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

NEtFOSE
Sample: WG2035470-3,INSTBLANK S/N:30.9 Points Across peak:53



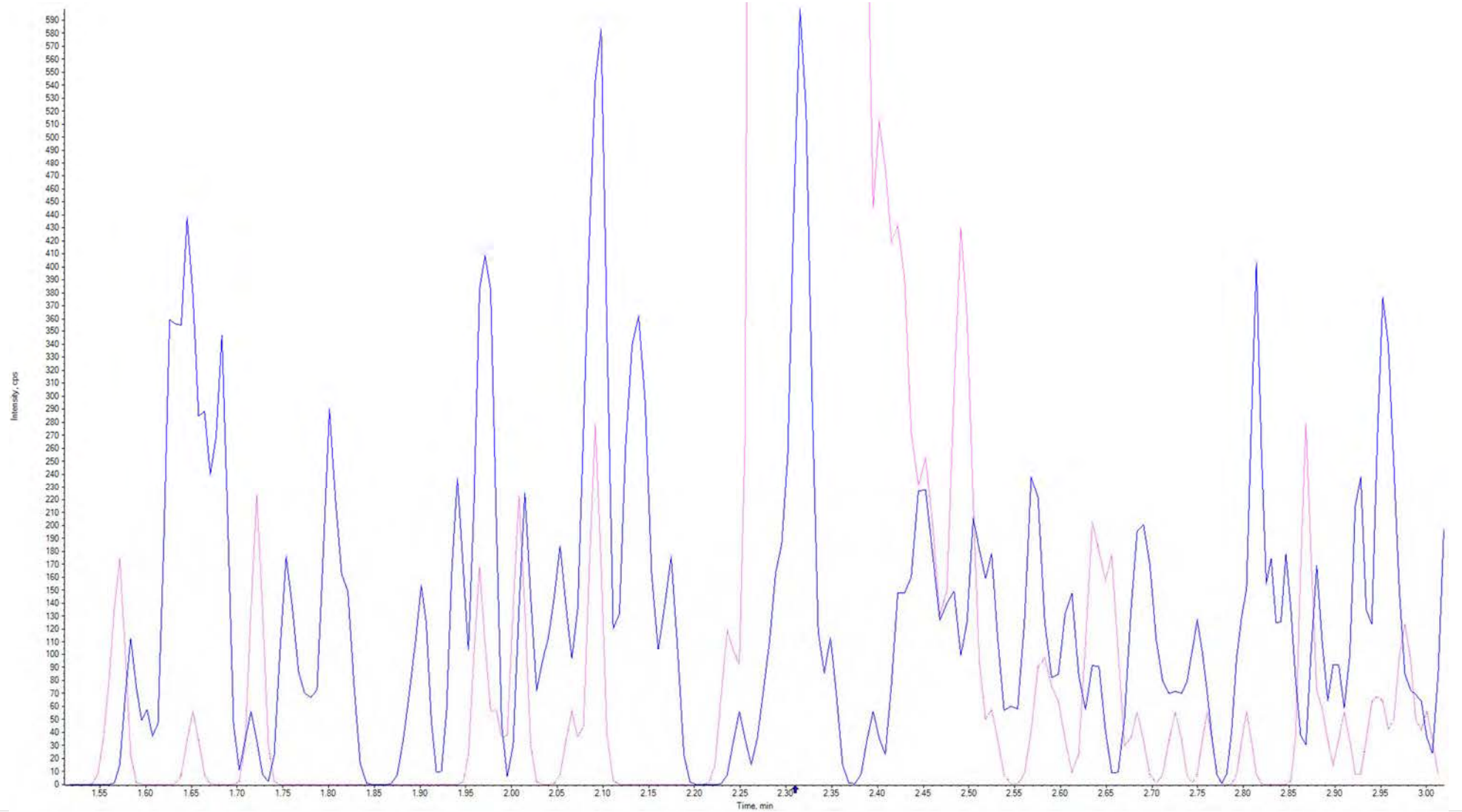
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_35.wiff2_2
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

HFPO-DA
Sample: WG2035470-3,INSTBLANK S/N:N/A Points Across peak:N/A



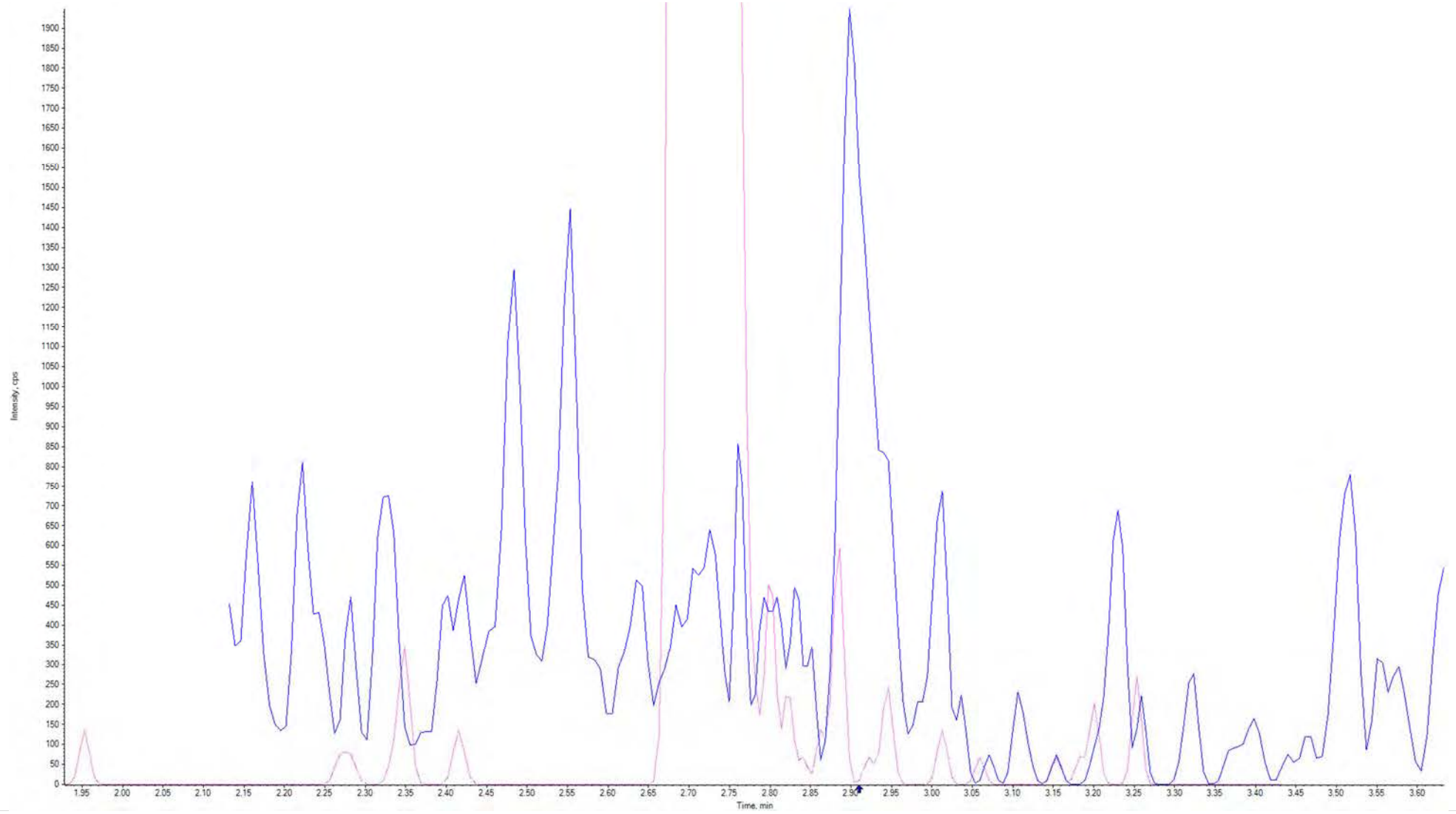
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_35.wiff2_2
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

HFPO-DA_2
Sample: WG2035470-3,INSTBLANK S/N:N/A Points Across peak:N/A



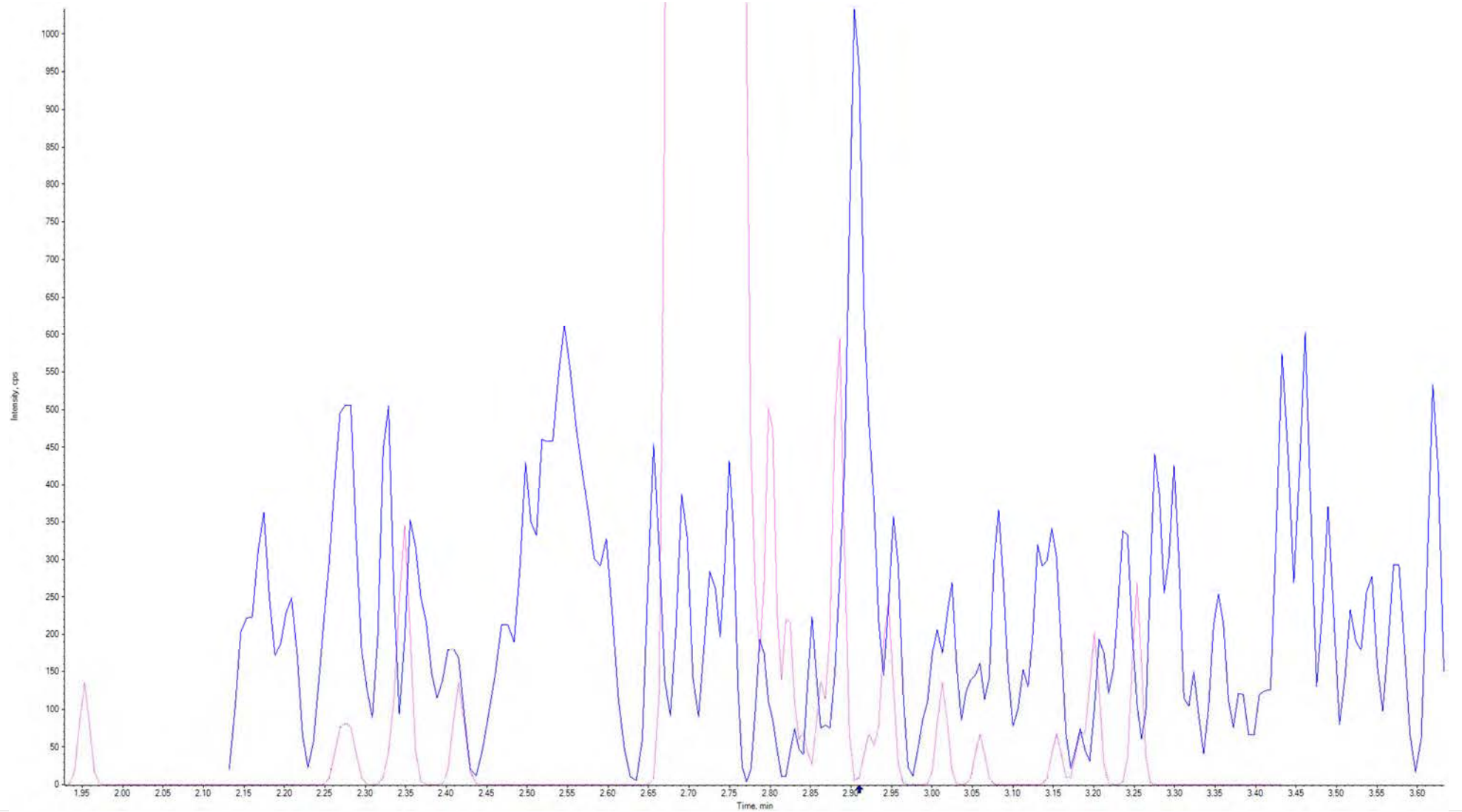
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_35.wiff2_2
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

ADONA
Sample: WG2035470-3,INSTBLANK S/N:N/A Points Across peak:N/A



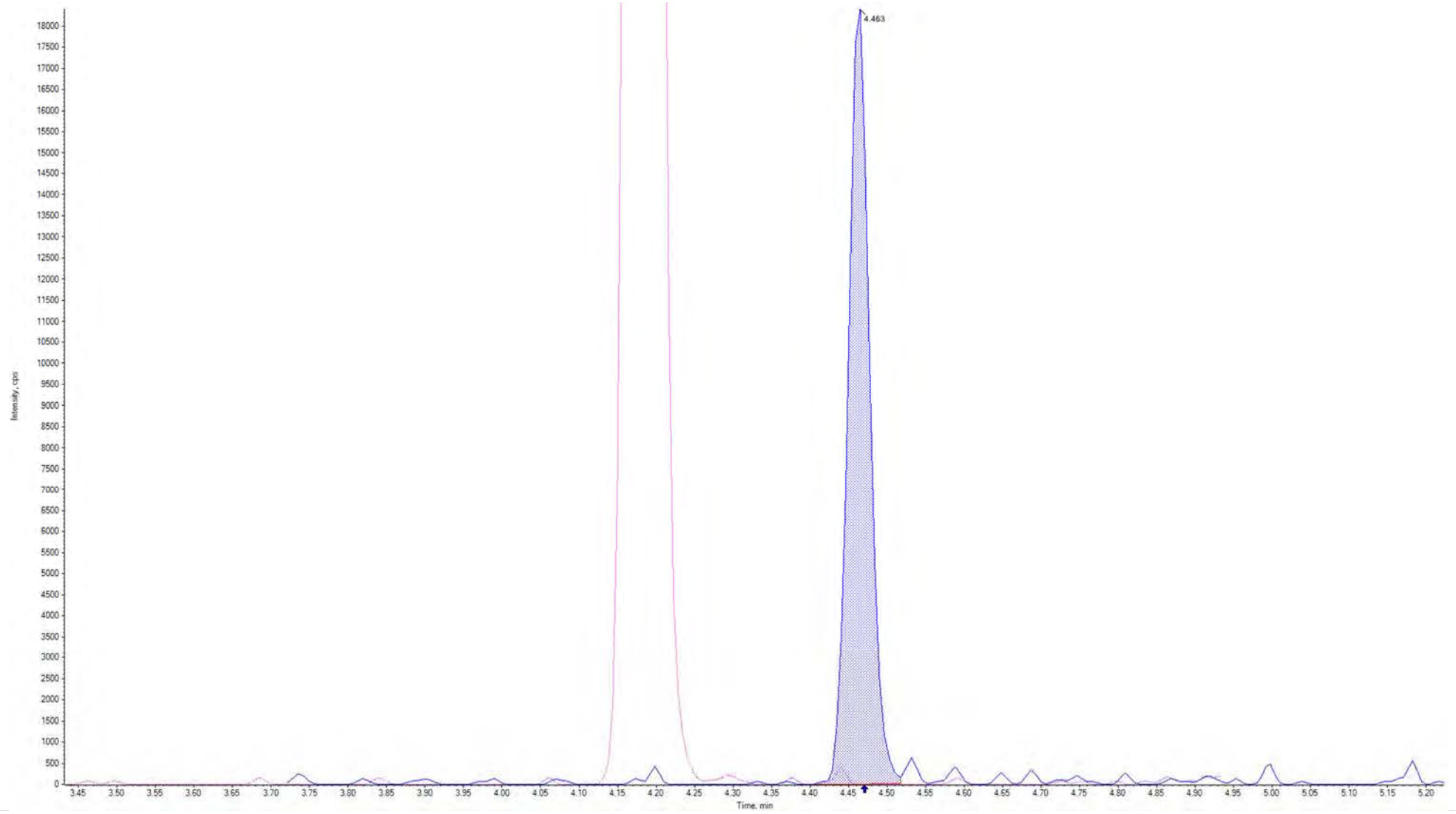
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_35.wiff2_2
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

ADONA_2
Sample: WG2035470-3,INSTBLANK S/N:N/A Points Across peak:N/A



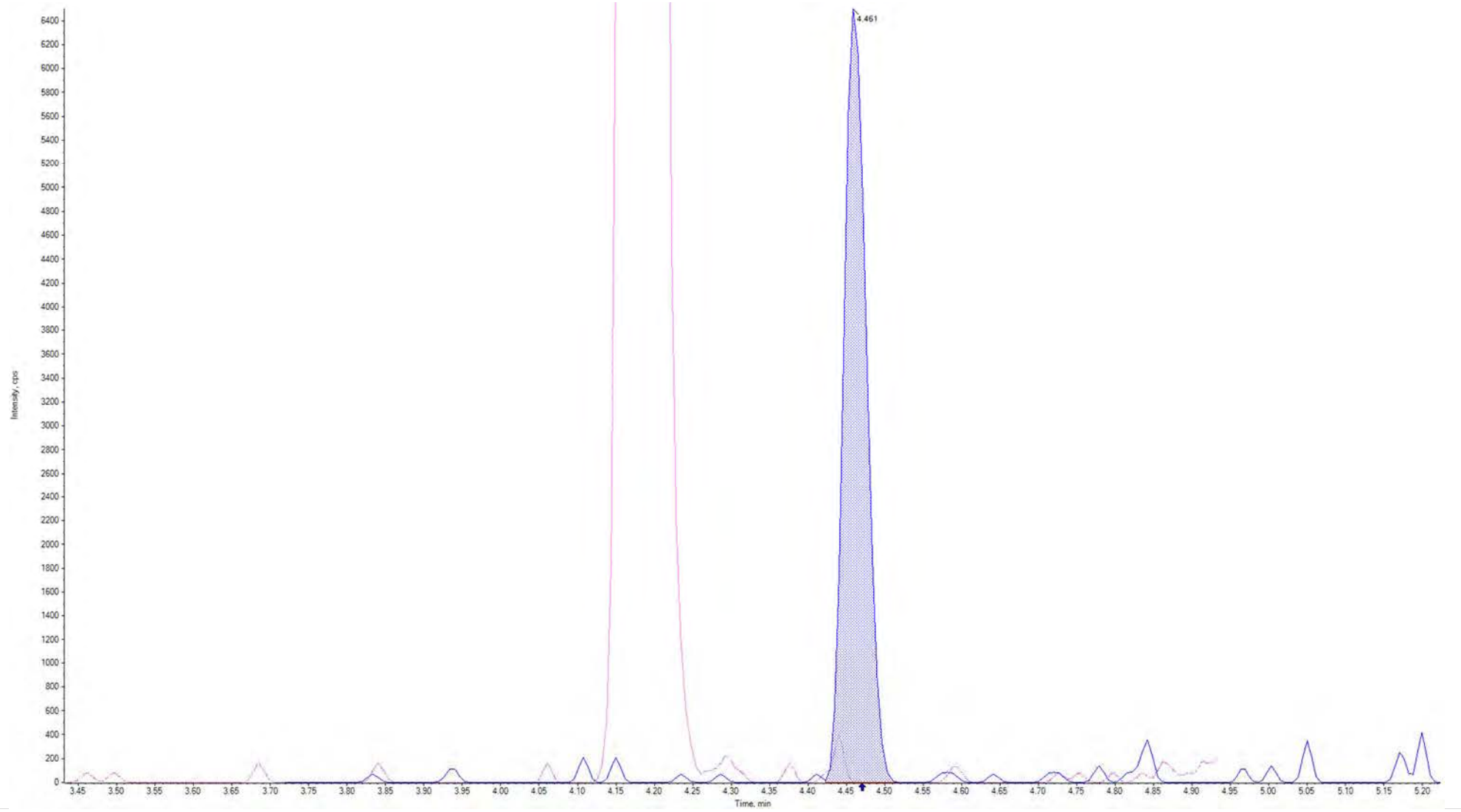
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_35.wiff2_2
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

9Cl-PF3ONS
Sample: WG2035470-3,INSTBLANK S/N:276.6 Points Across peak:21



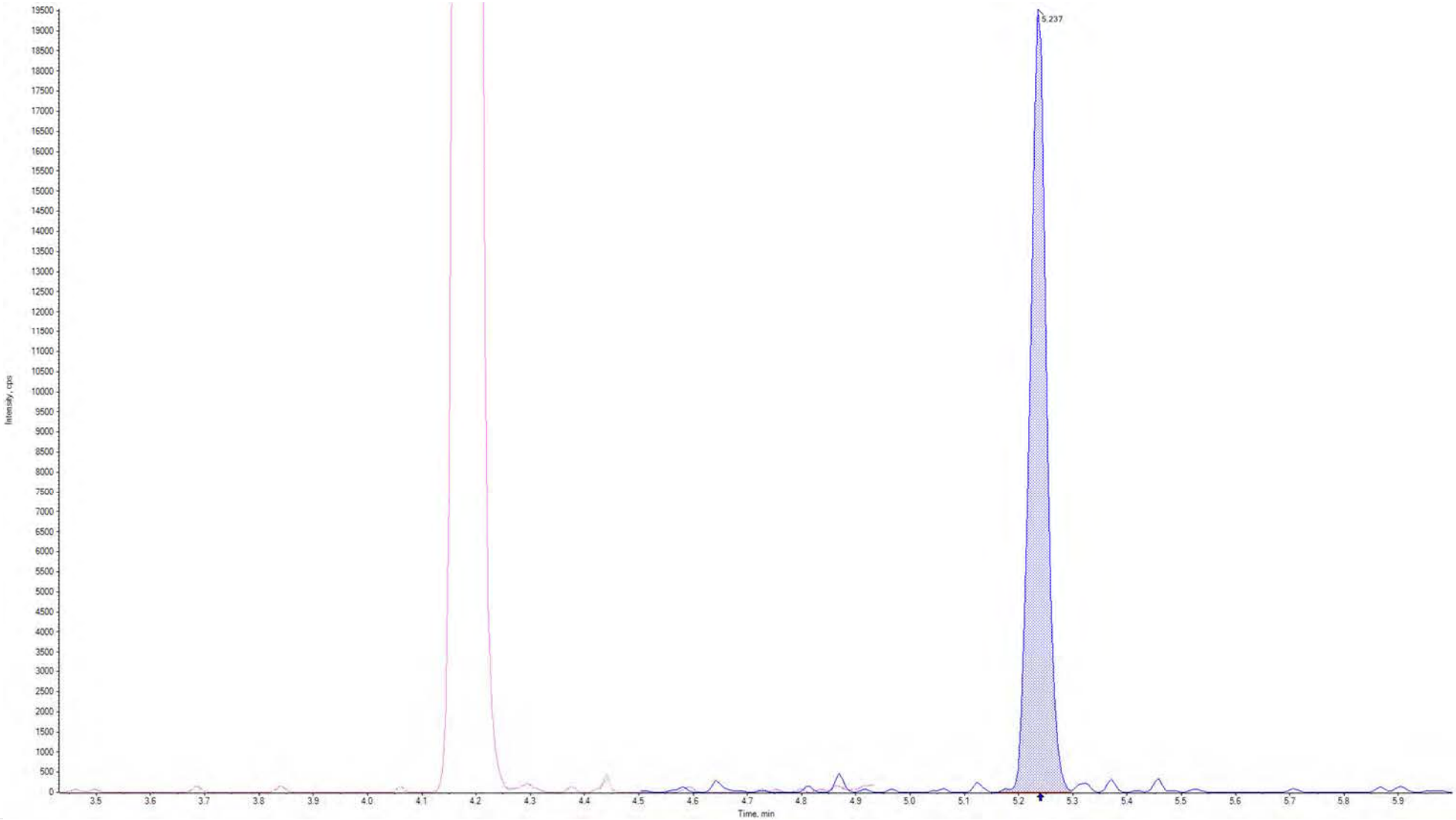
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_35.wiff2_2
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

9Cl-PF3ONS_2
Sample: WG2035470-3,INSTBLANK S/N:97.7 Points Across peak:19



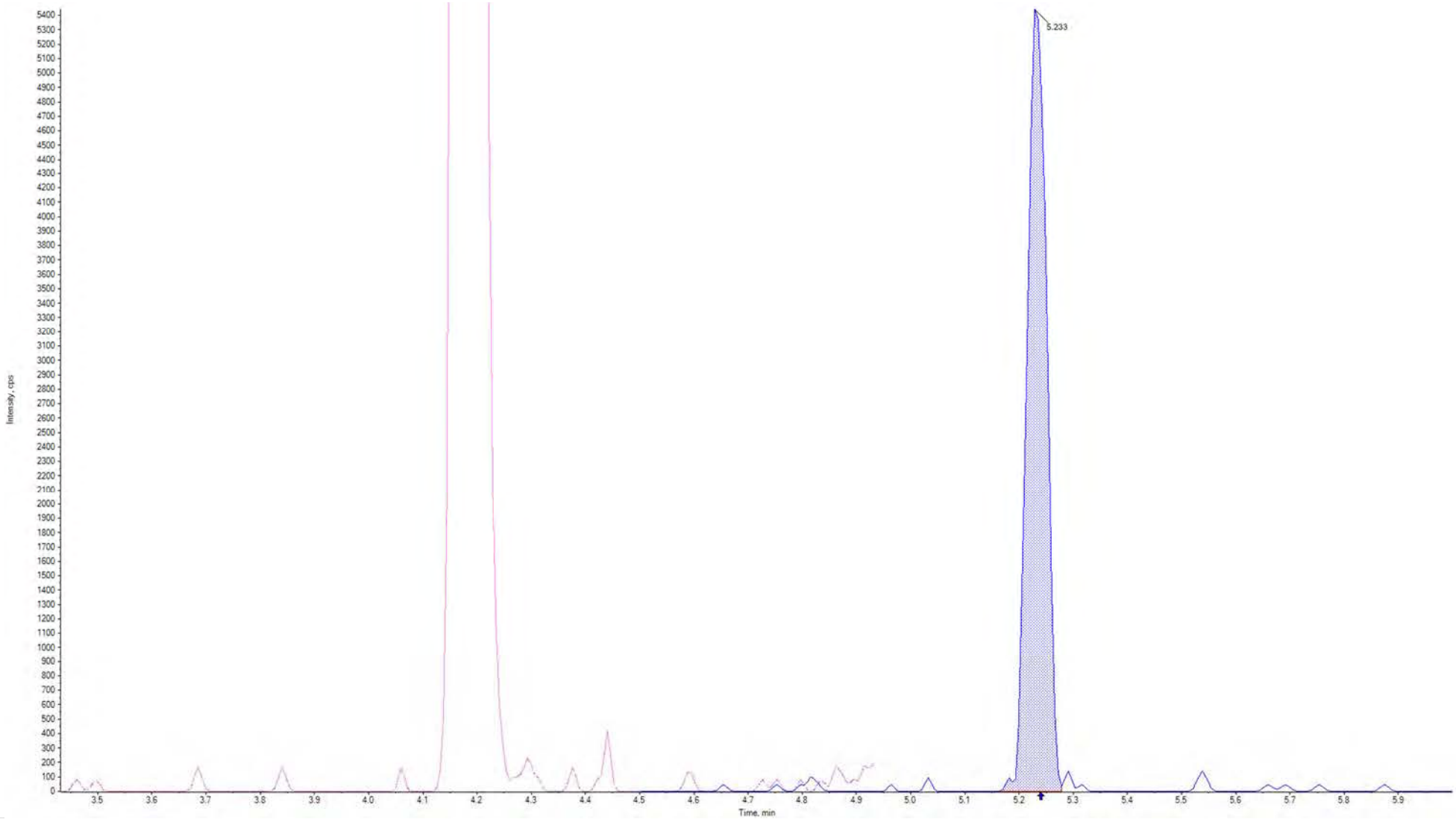
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_35.wiff2_2
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

11Cl-PF3OUdS
Sample: WG2035470-3,INSTBLANK S/N:391.7 Points Across peak:24



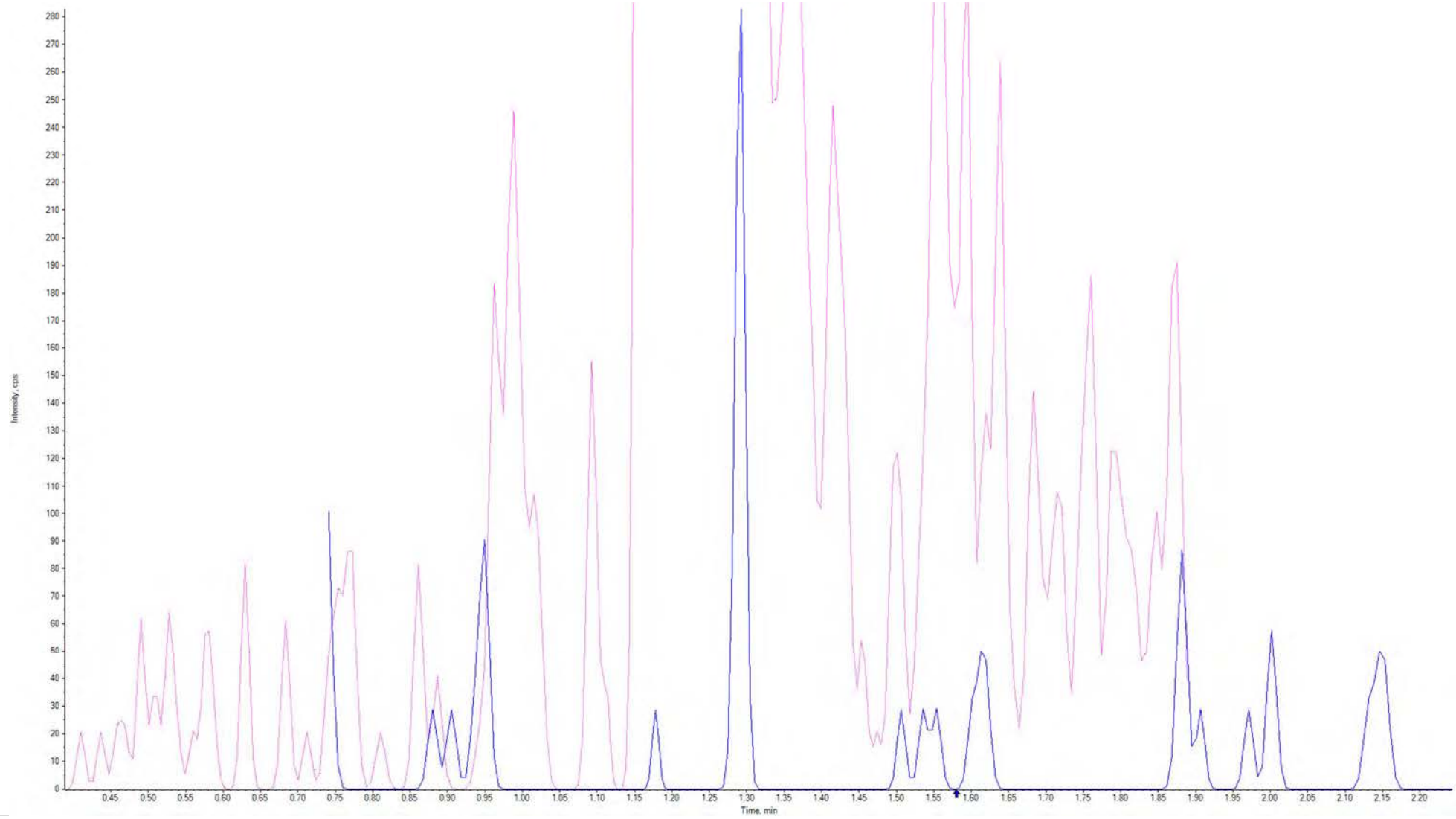
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_35.wiff2_2
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

11Cl-PF3OUdS_2
Sample: WG2035470-3,INSTBLANK S/N:109.1 Points Across peak:25



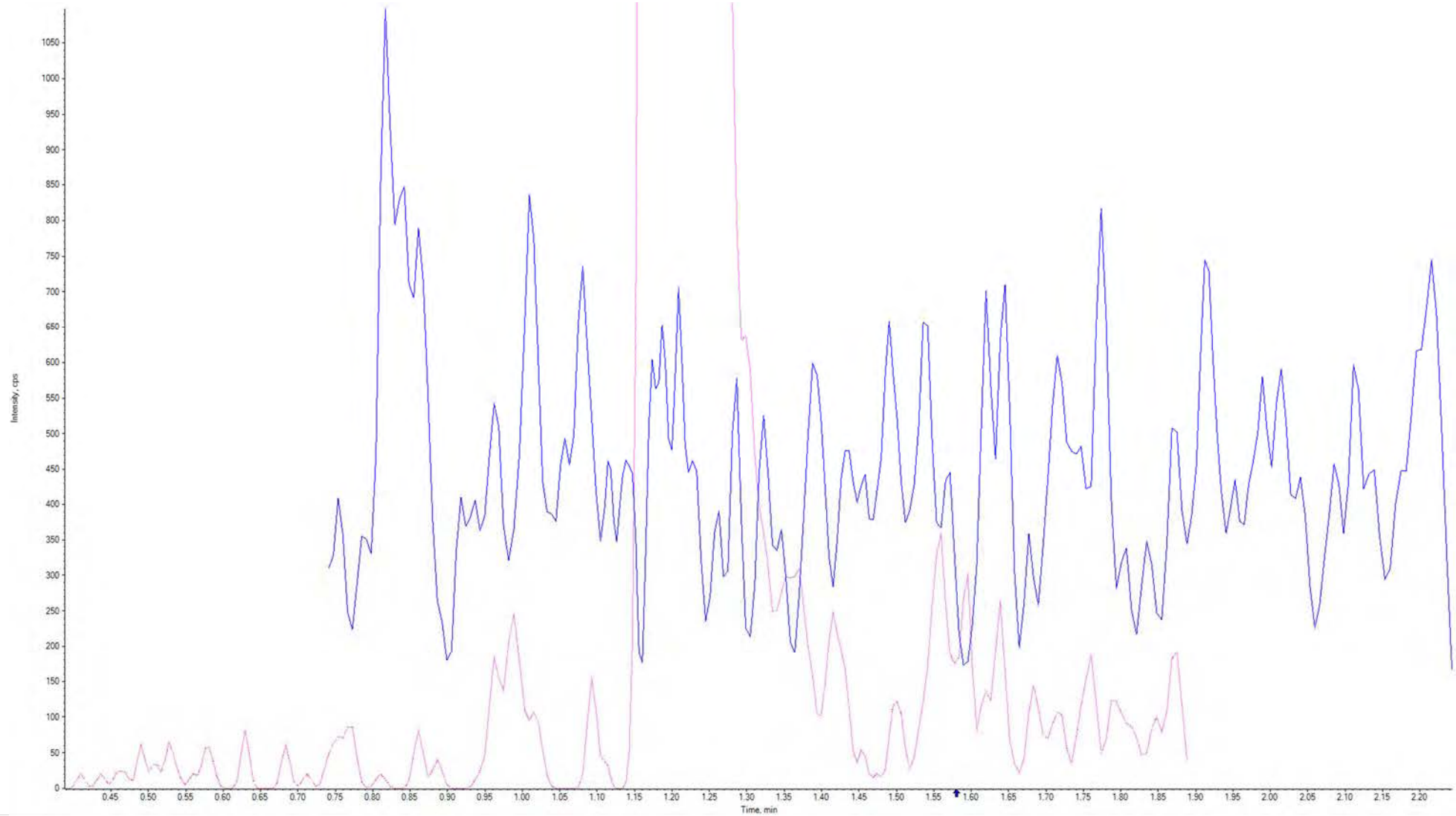
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_35.wiff2_2
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

3:3FTCA
Sample: WG2035470-3,INSTBLANK S/N:N/A Points Across peak:N/A



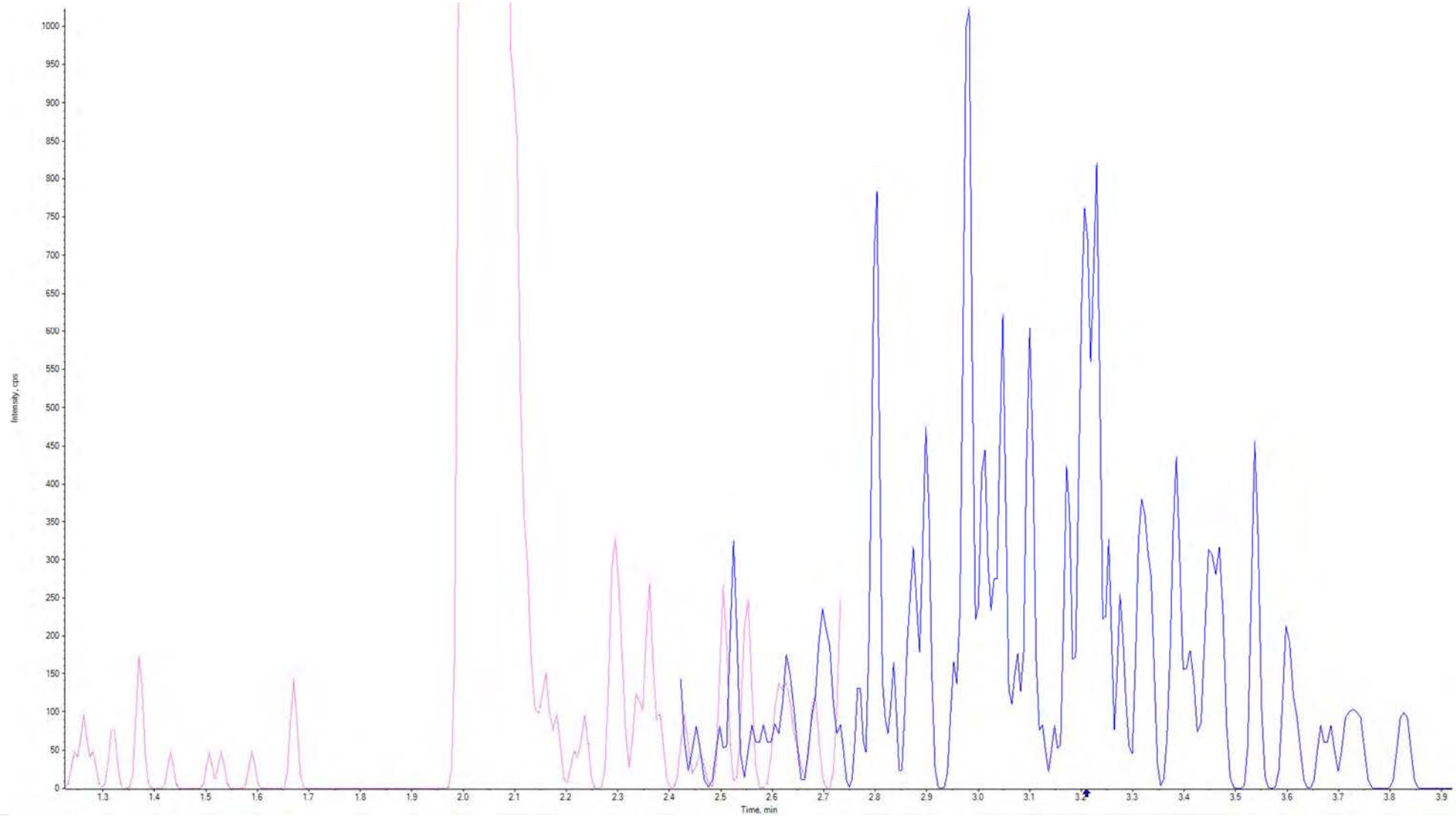
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_35.wiff2_2
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

3:3FTCA_2
Sample: WG2035470-3,INSTBLANK S/N:N/A Points Across peak:N/A



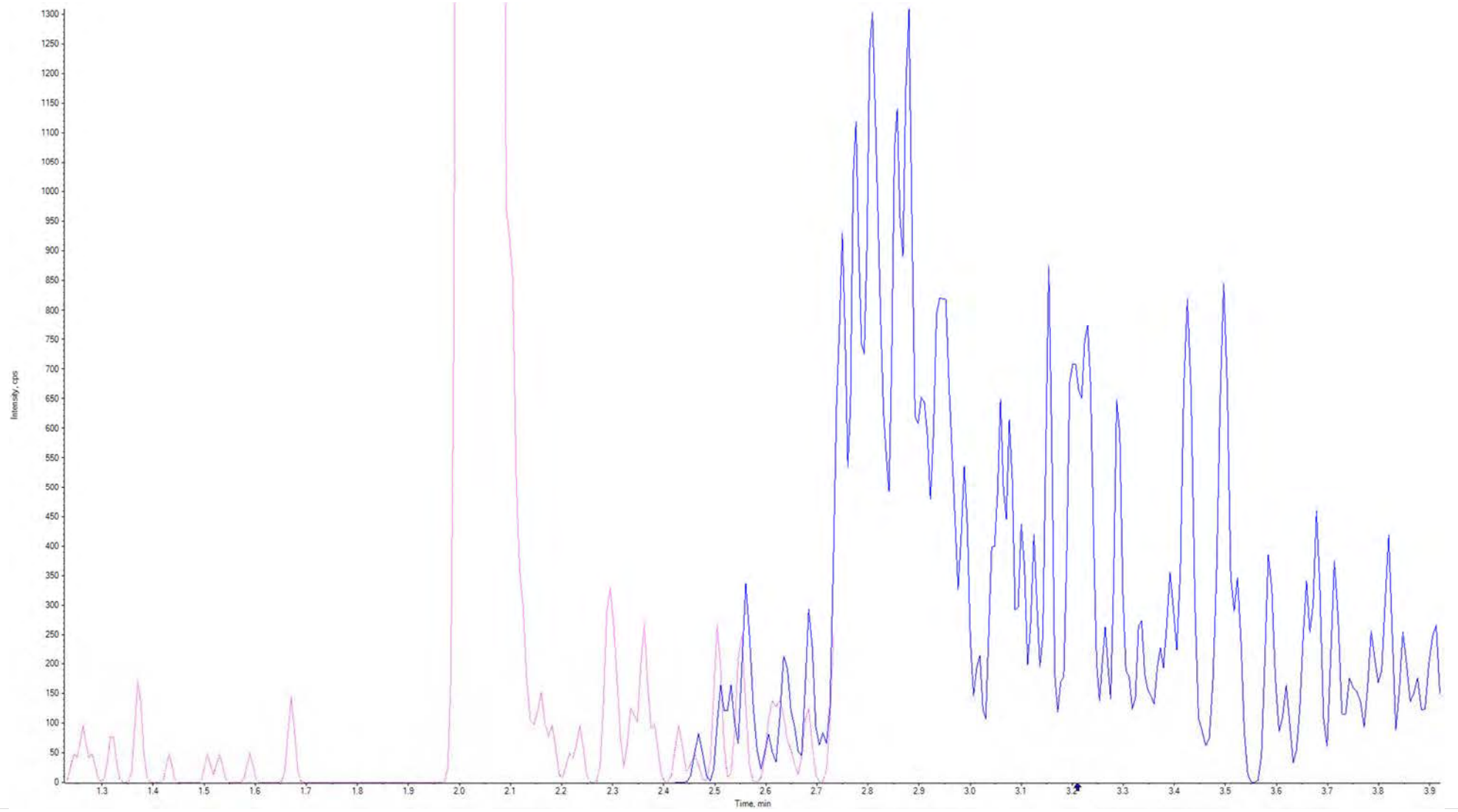
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_35.wiff2_2
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

5:3FTCA
Sample: WG2035470-3,INSTBLANK S/N:N/A Points Across peak:N/A



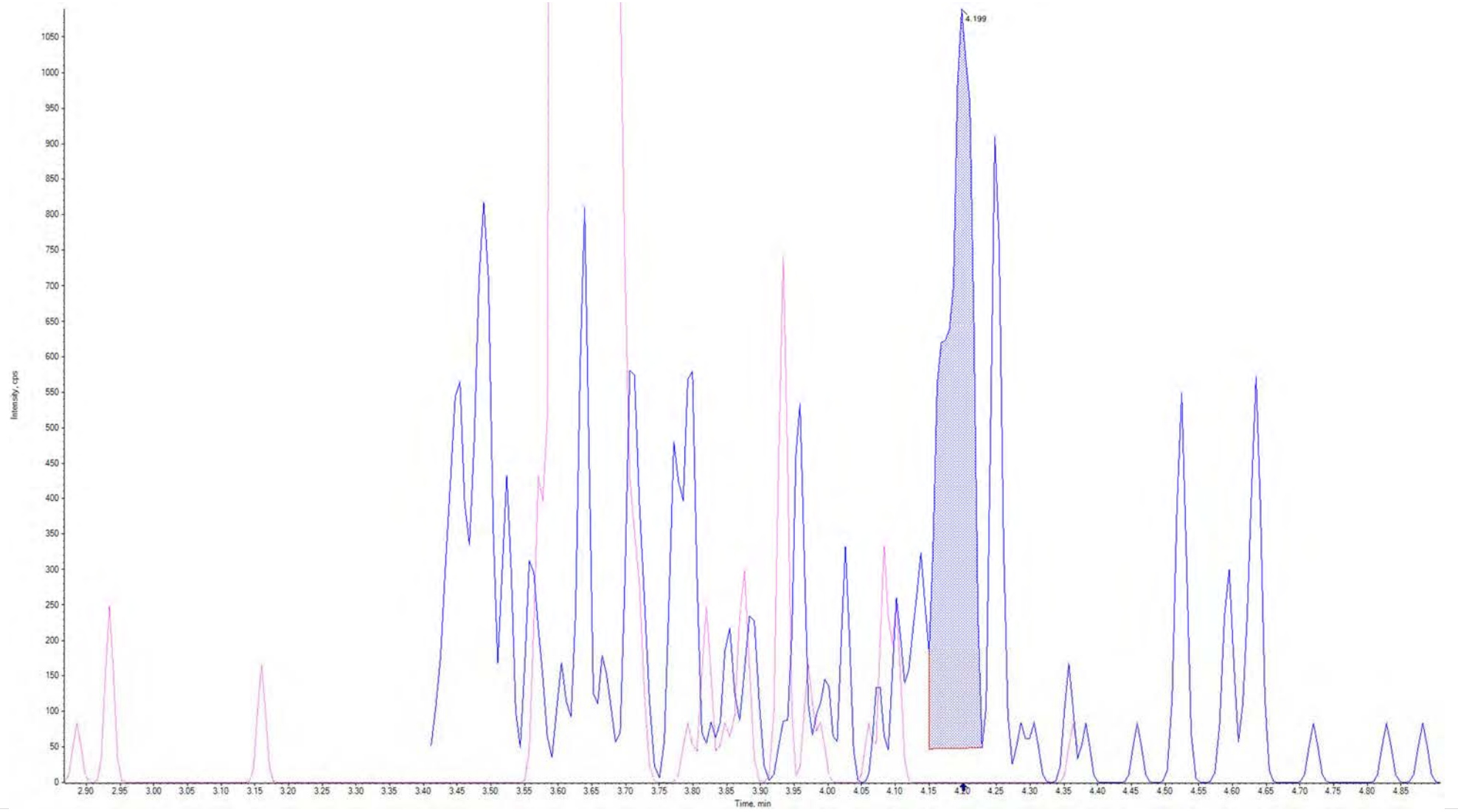
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_35.wiff2_2
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

5:3FTCA_2
Sample: WG2035470-3,INSTBLANK S/N:N/A Points Across peak:N/A



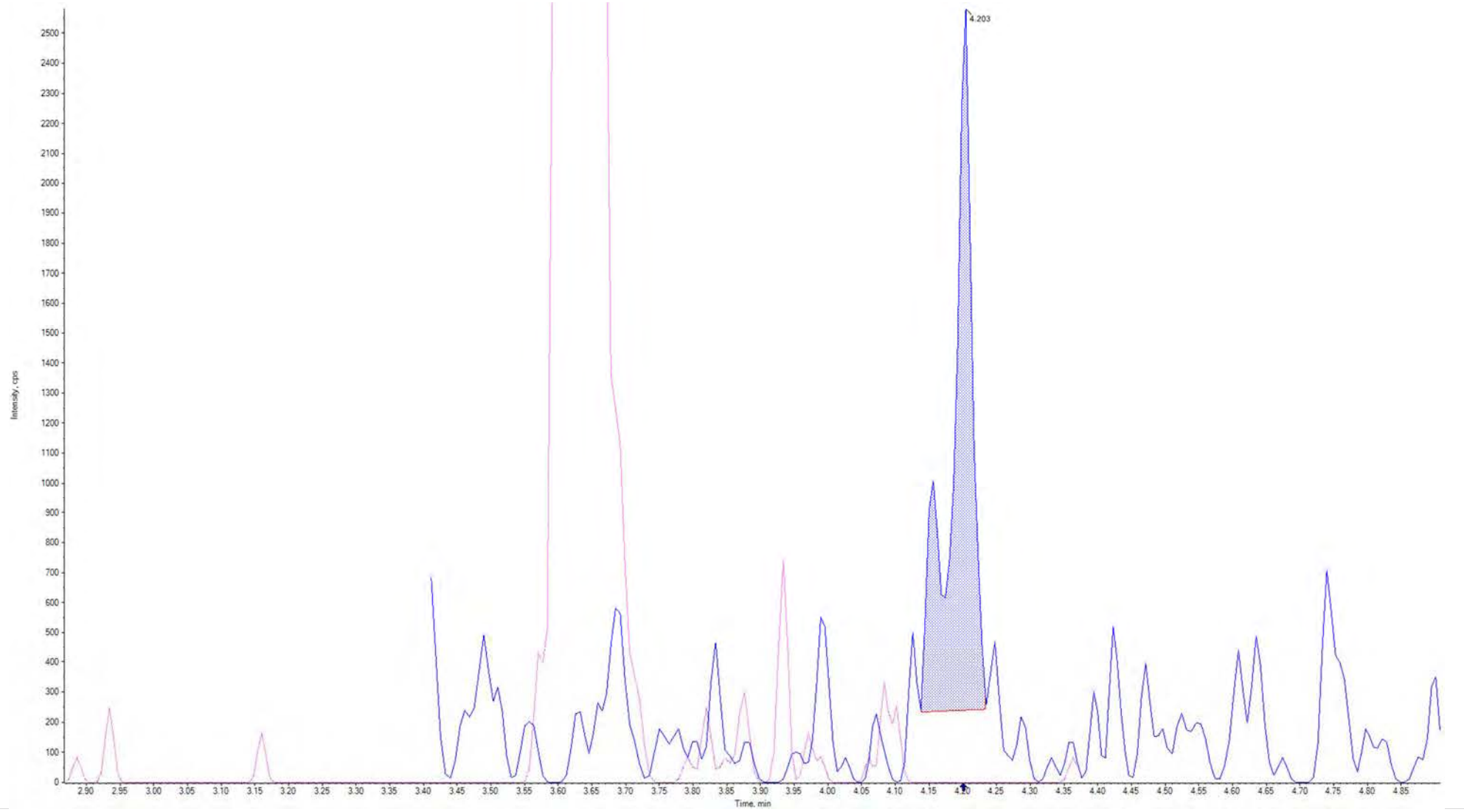
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_35.wiff2_2
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

7:3FTCA
Sample: WG2035470-3,INSTBLANK S/N:13.0 Points Across peak:14



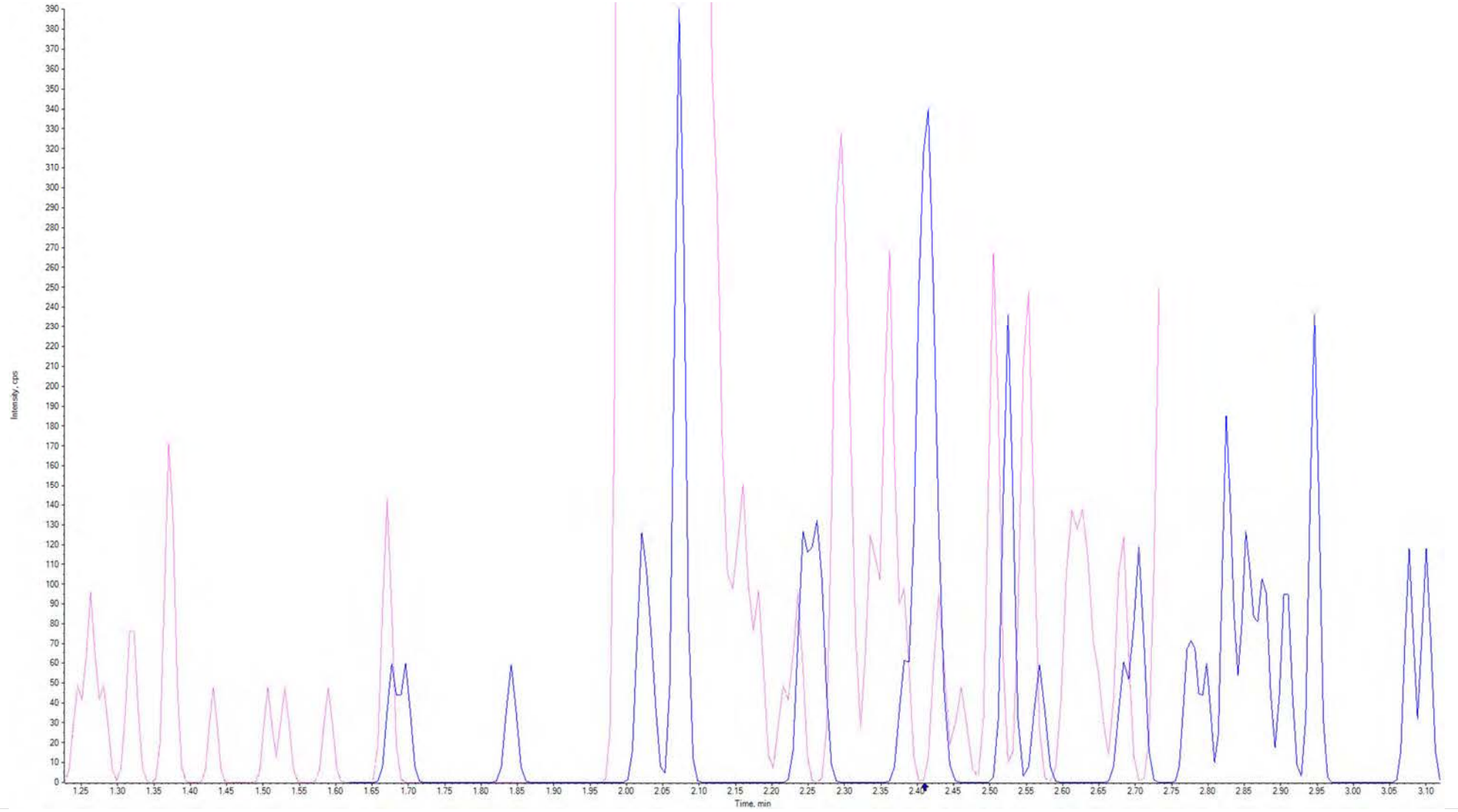
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_35.wiff2_2
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

7:3FTCA_2
Sample: WG2035470-3,INSTBLANK S/N:29.3 Points Across peak:18



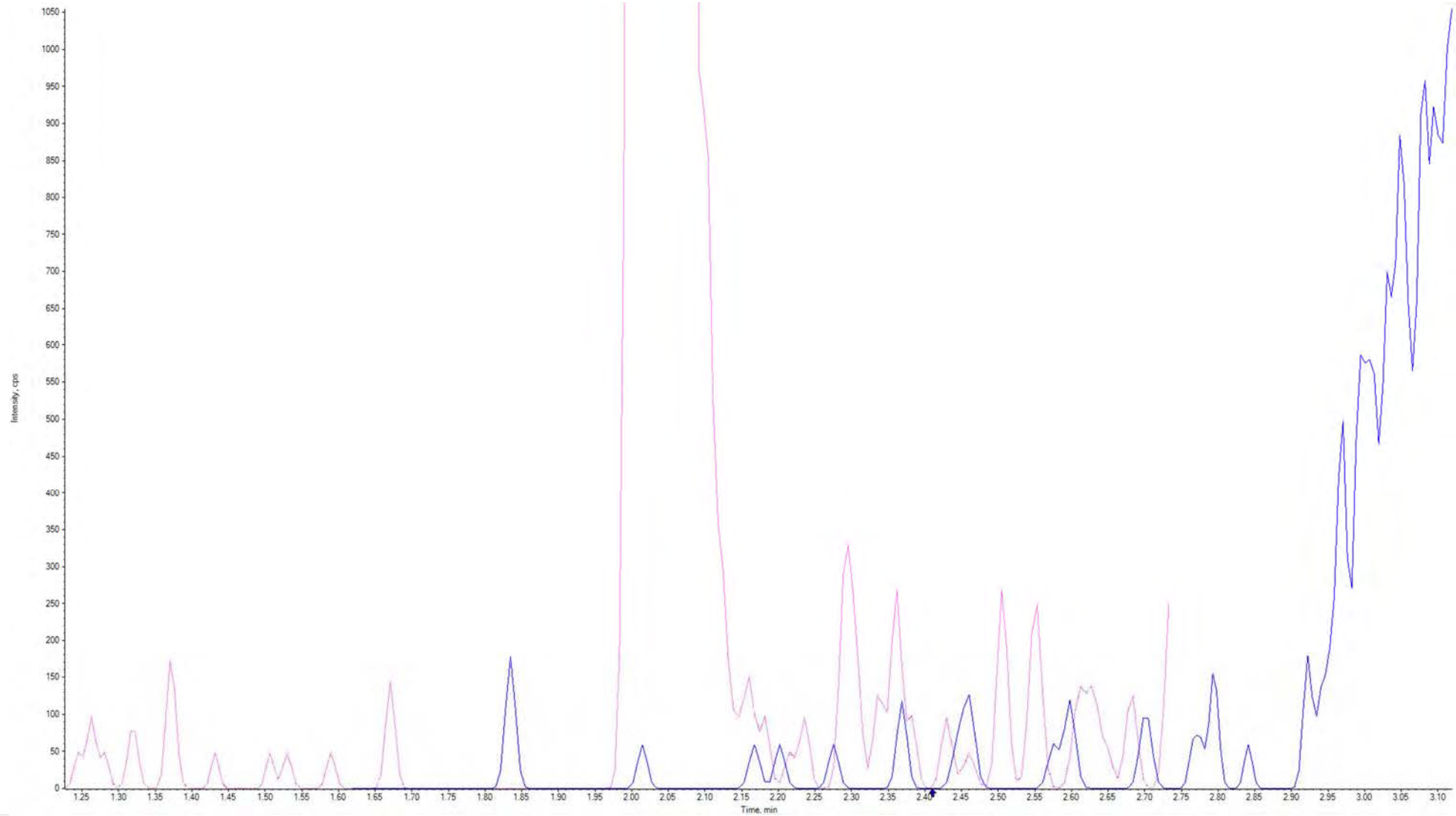
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_35.wiff2_2
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFEESA
Sample: WG2035470-3,INSTBLANK S/N:N/A Points Across peak:N/A



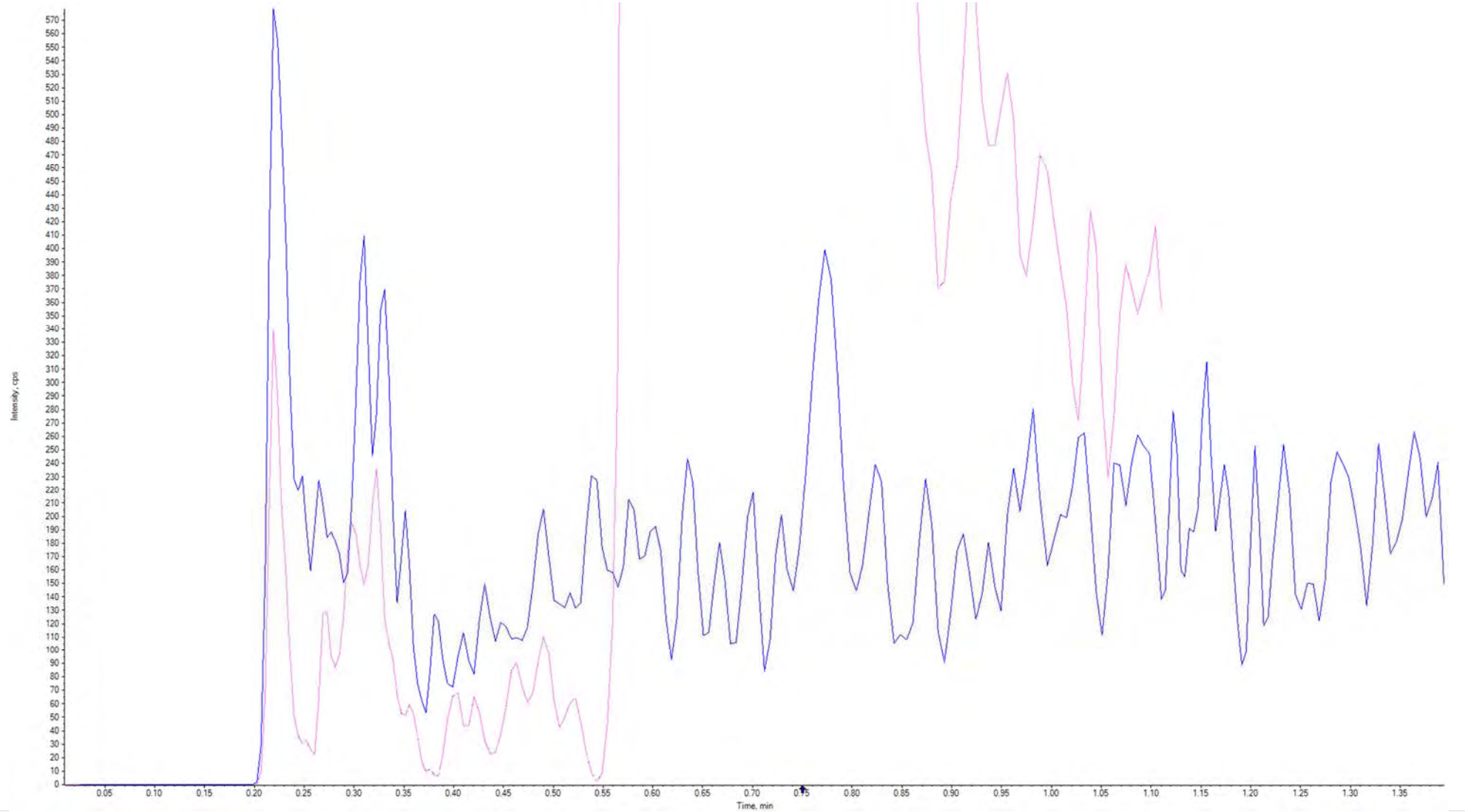
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_35.wiff2_2
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFEESA_2
Sample: WG2035470-3,INSTBLANK S/N:N/A Points Across peak:N/A



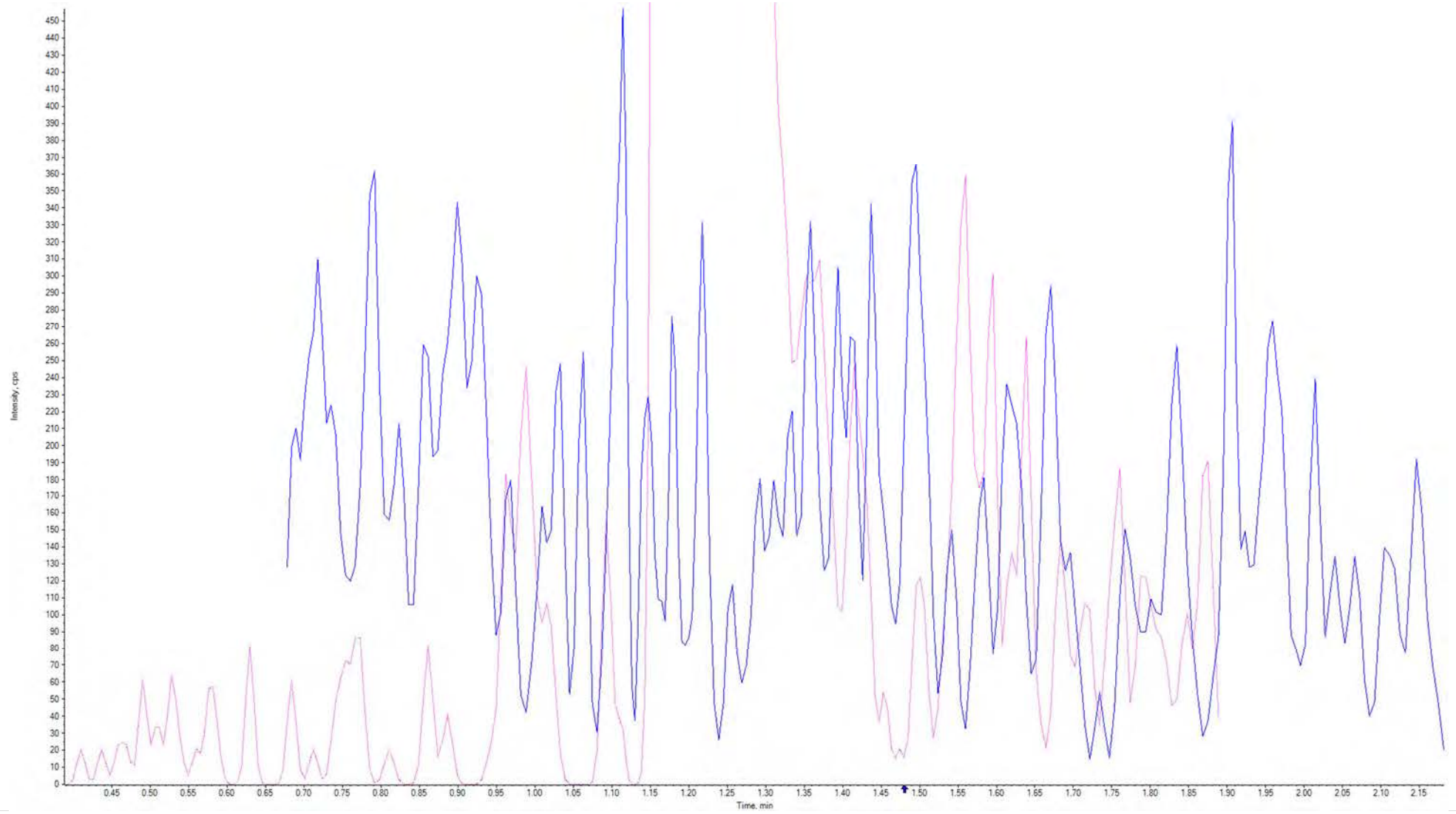
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_35.wiff2_2
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFMPA
Sample: WG2035470-3,INSTBLANK S/N:N/A Points Across peak:N/A

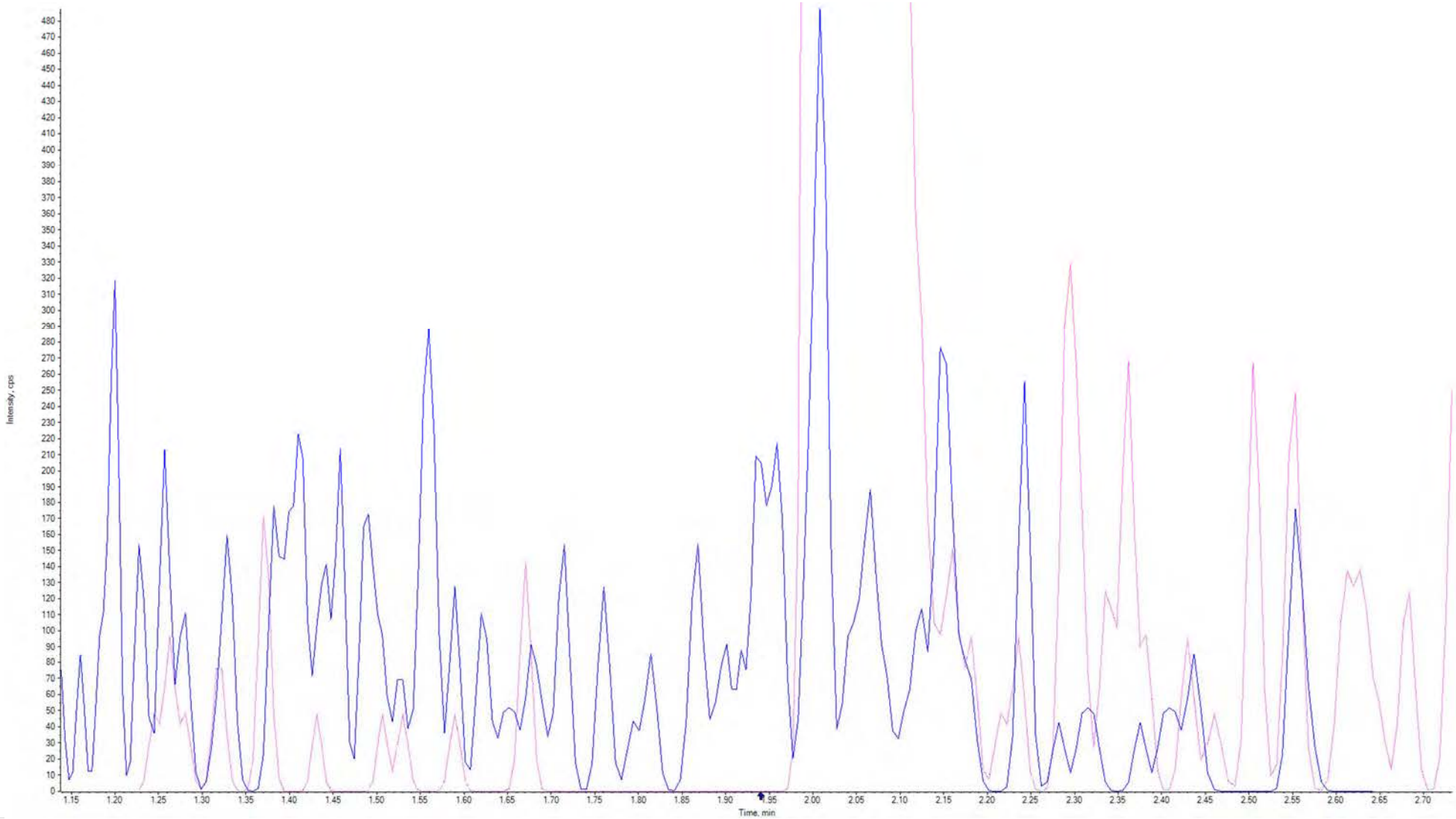


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_35.wiff2_2
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

PFMBA
Sample: WG2035470-3,INSTBLANK S/N:N/A Points Across peak:N/A

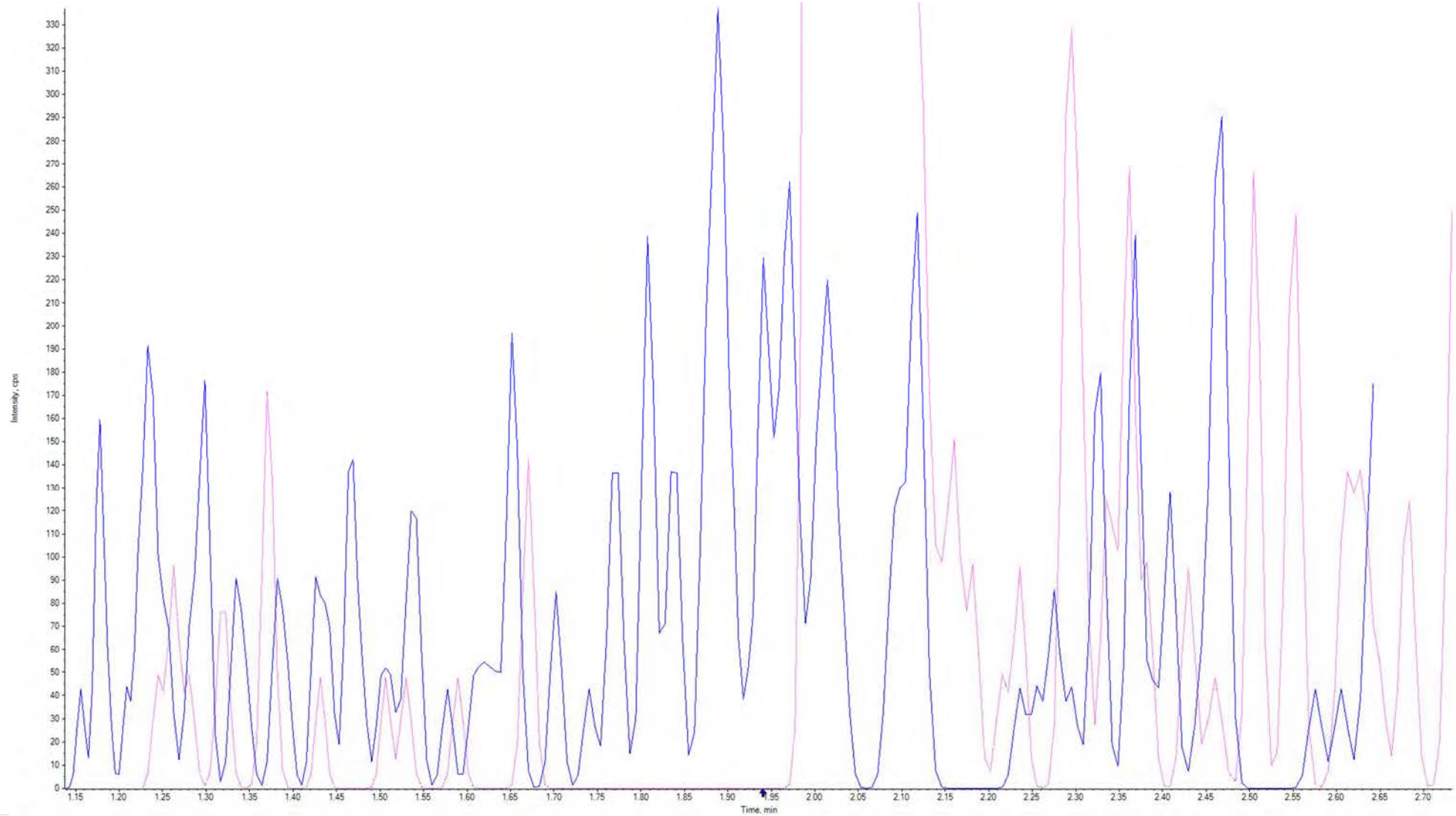


NFDHA
Sample: WG2035470-3,INSTBLANK S/N:N/A Points Across peak:N/A



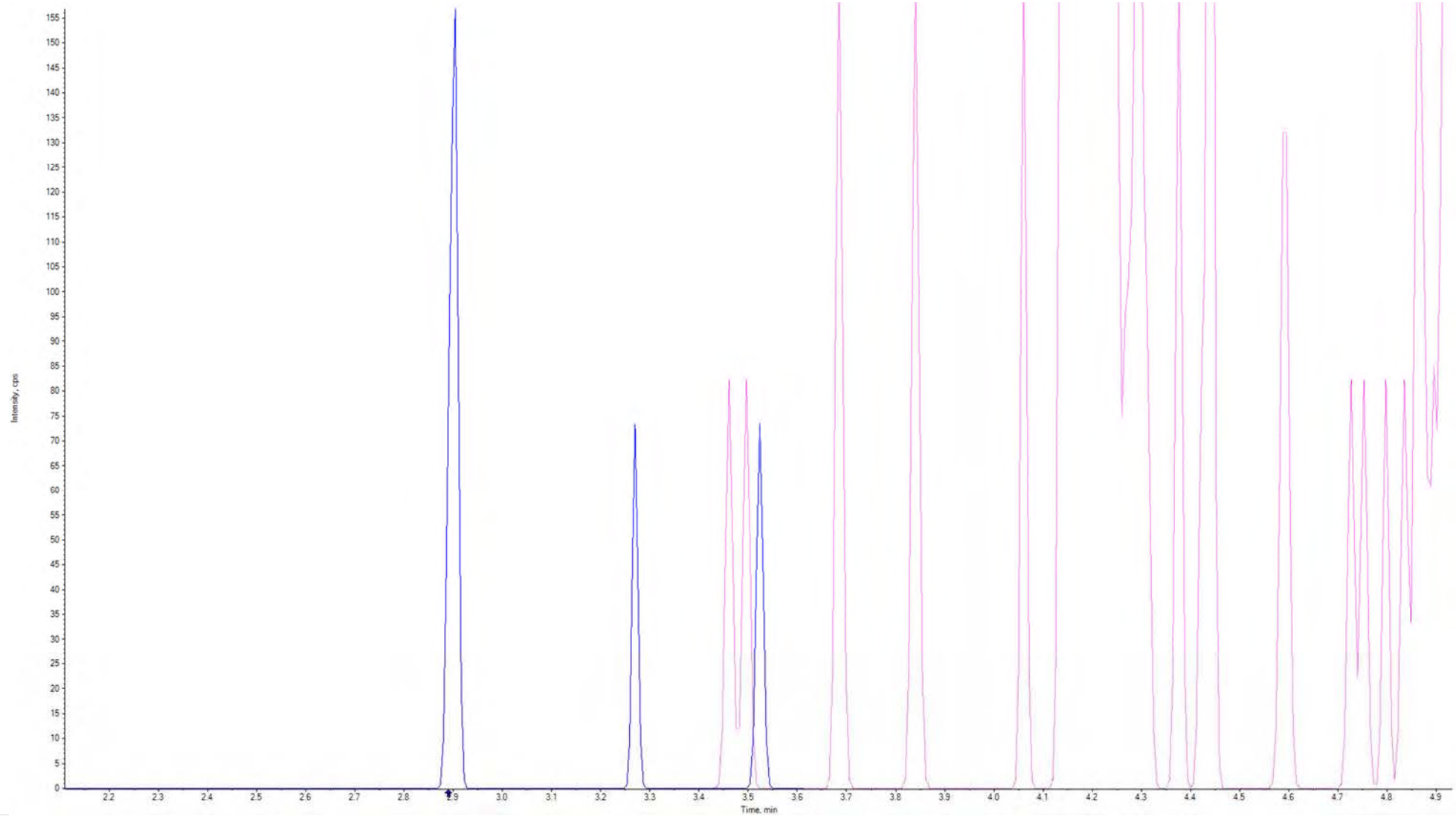
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_35.wiff2_2
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

NFDHA_2
Sample: WG2035470-3,INSTBLANK 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\250228\SCI07_250228_35.wiff2_2
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

TDCA
Sample: WG2035470-3,INSTBLANK 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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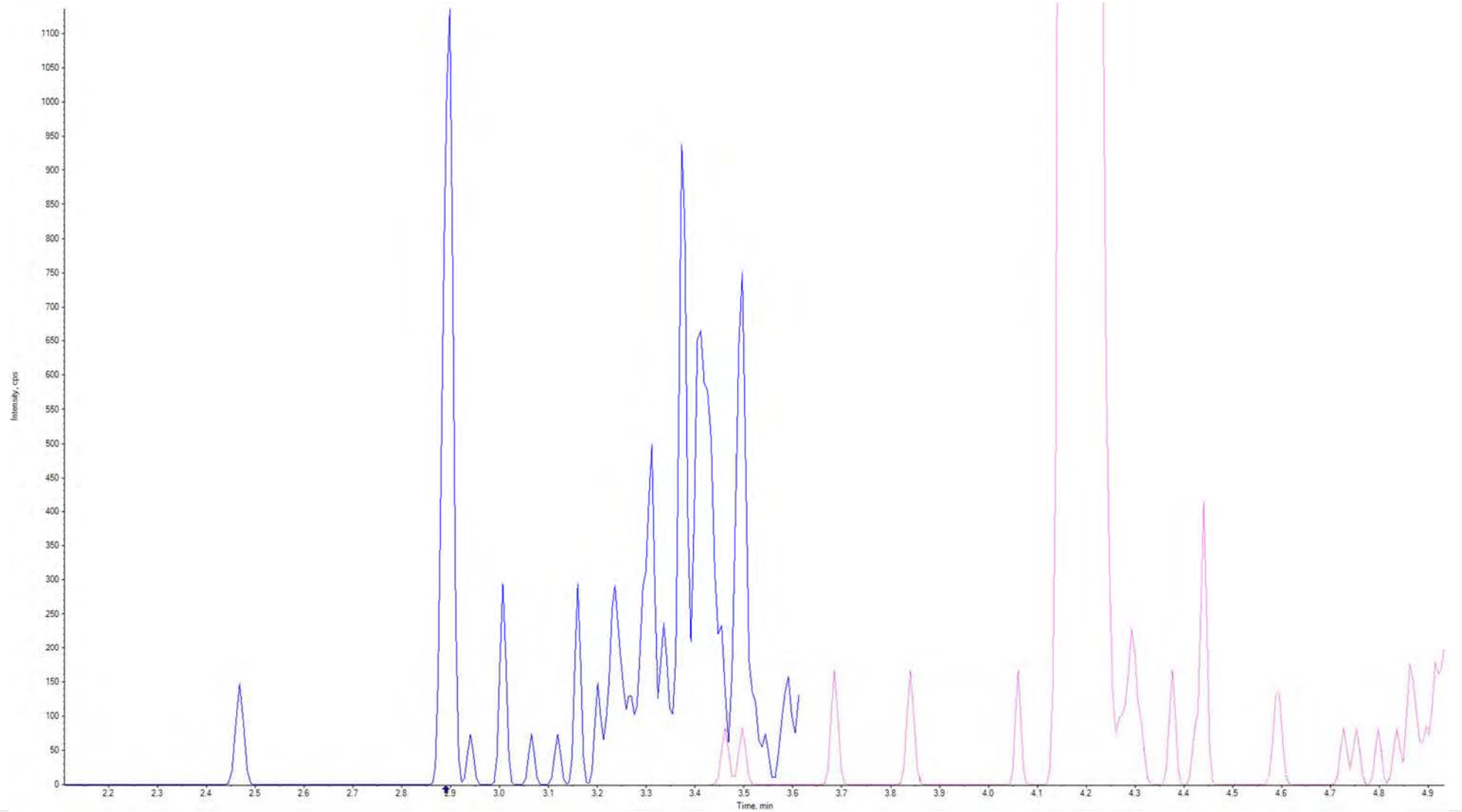
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

TDCA_2
Sample: WG2035470-3,INSTBLANK 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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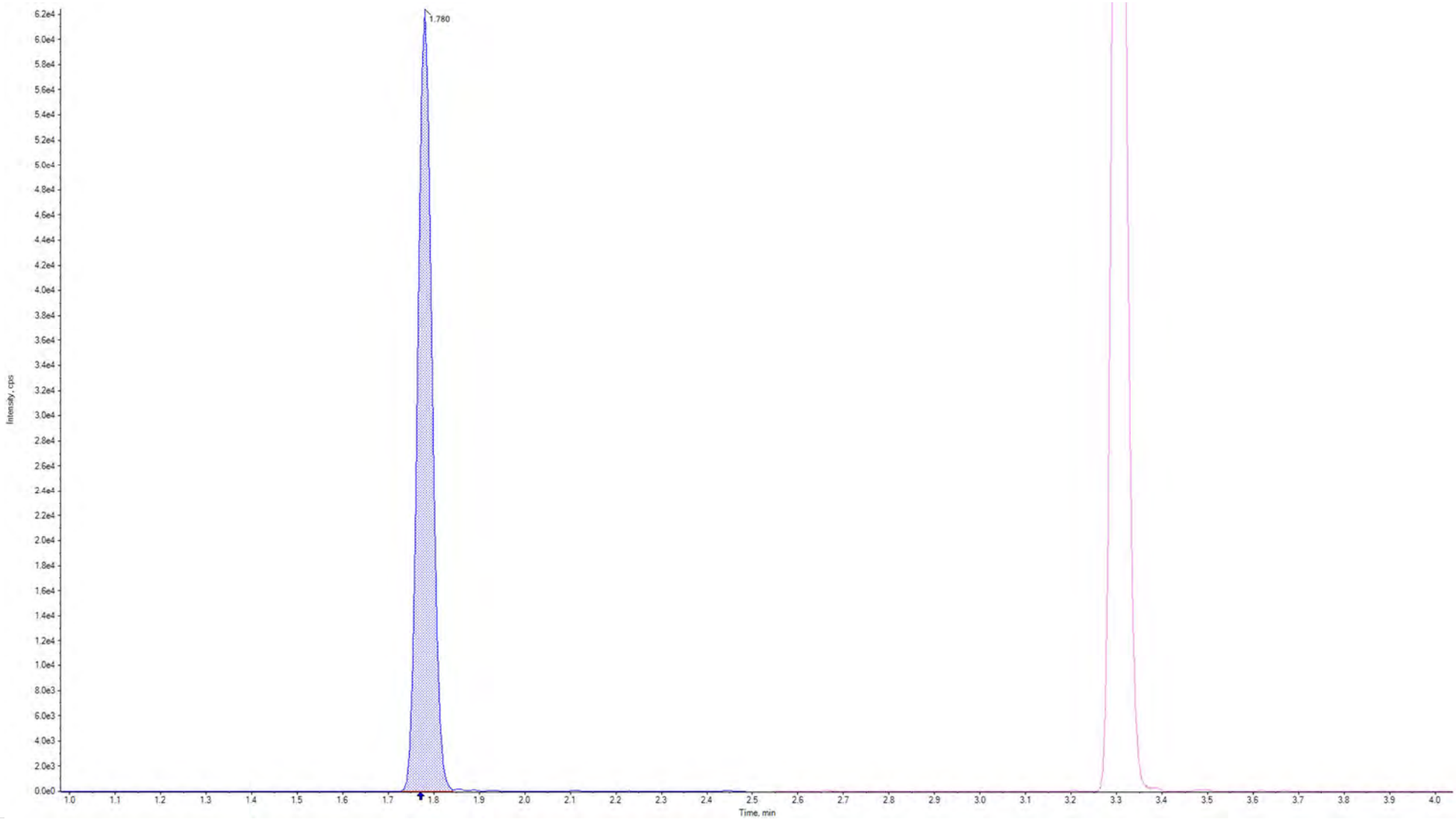
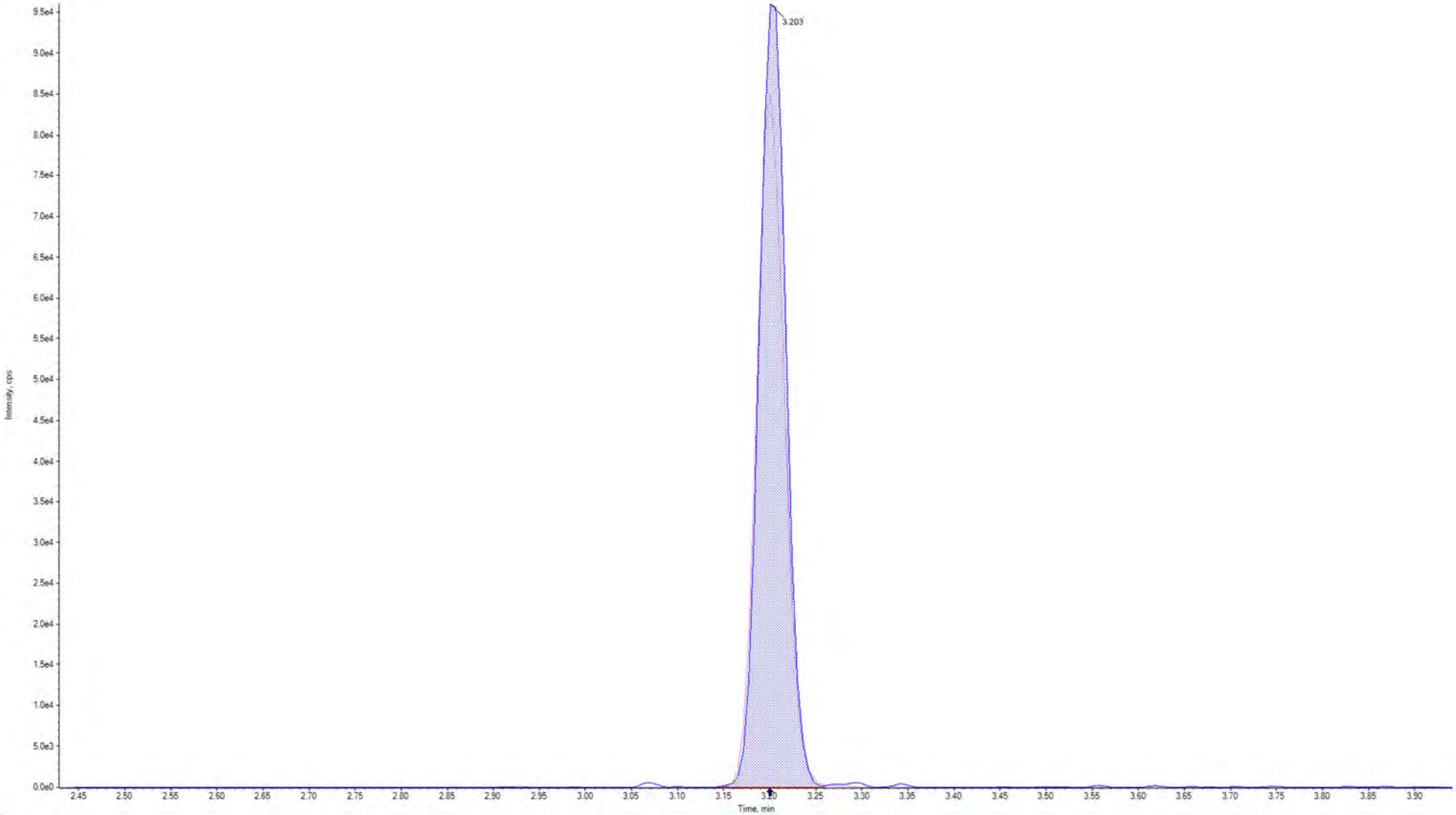
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

13C2D4-4:2FTS
Sample: WG2035470-3,INSTBLANK S/N:1720.5 Points Across peak:24

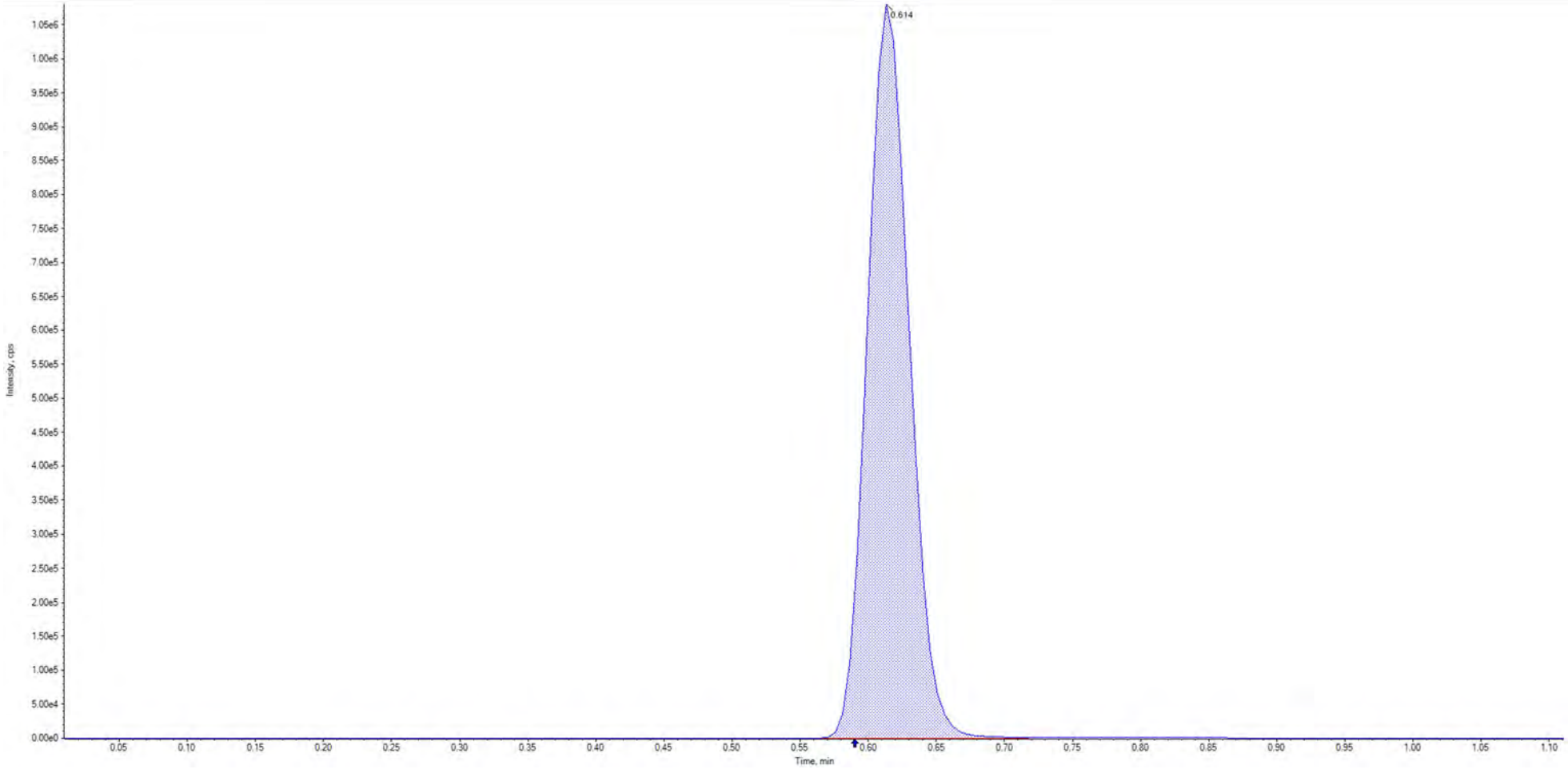


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_35.wiff2_2
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

13C2-PFOA
Sample: WG2035470-3,INSTBLANK S/N:1203.0 Points Across peak:24

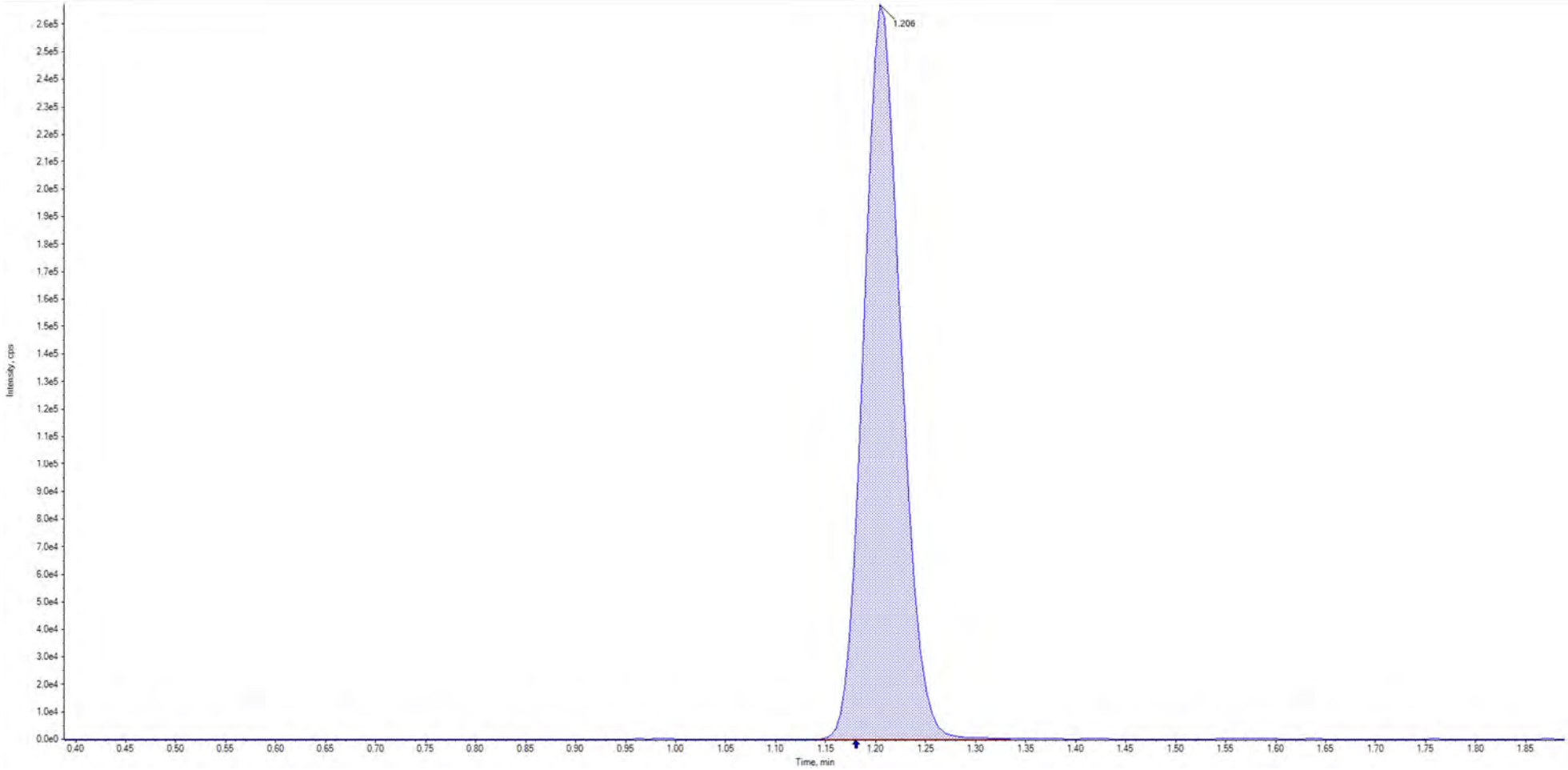


13C4-PFBA
Sample: WG2035470-3,INSTBLANK



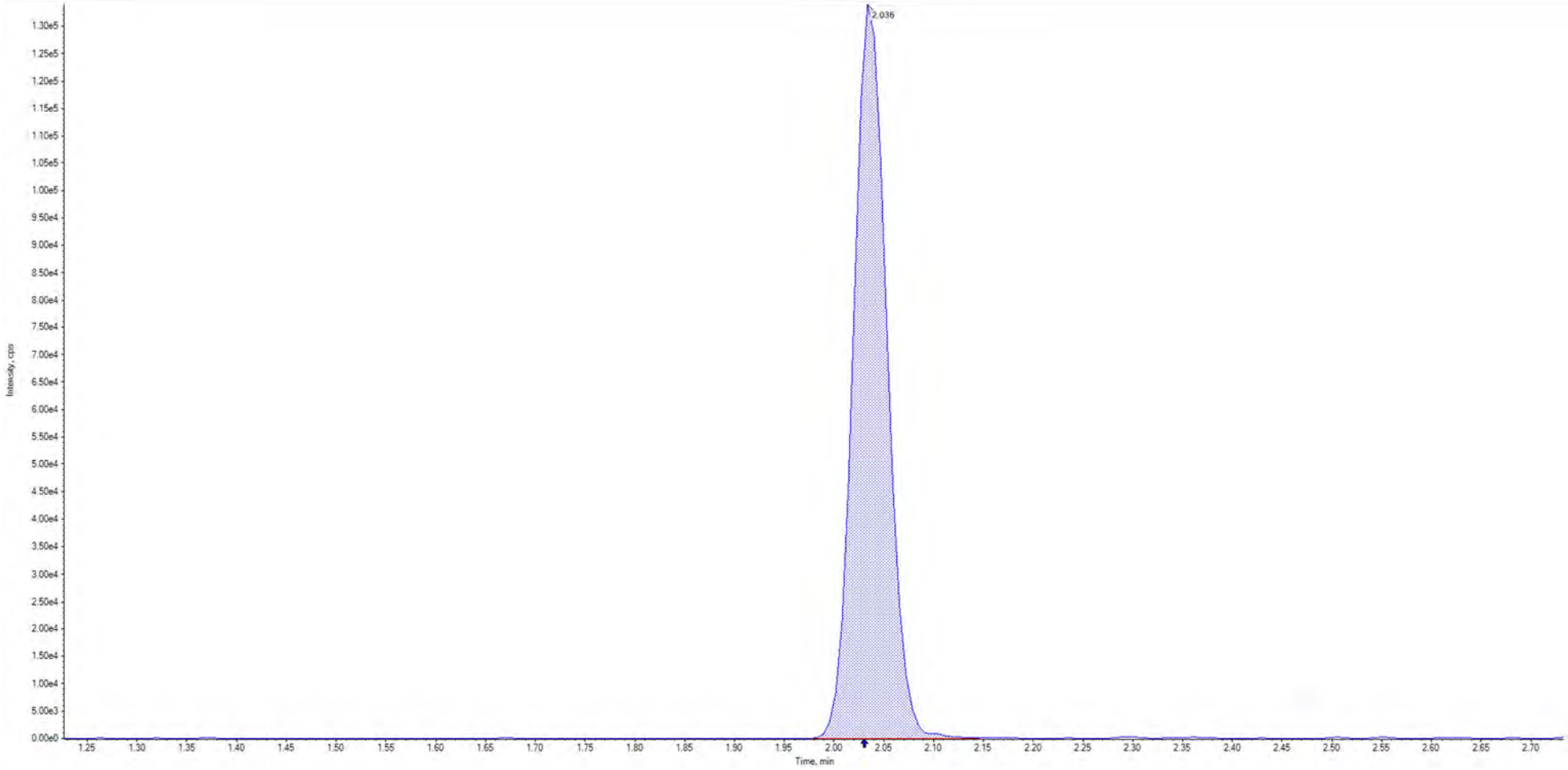
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_35.wiff2_2
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

13C5-PFPeA
Sample: WG2035470-3,INSTBLANK

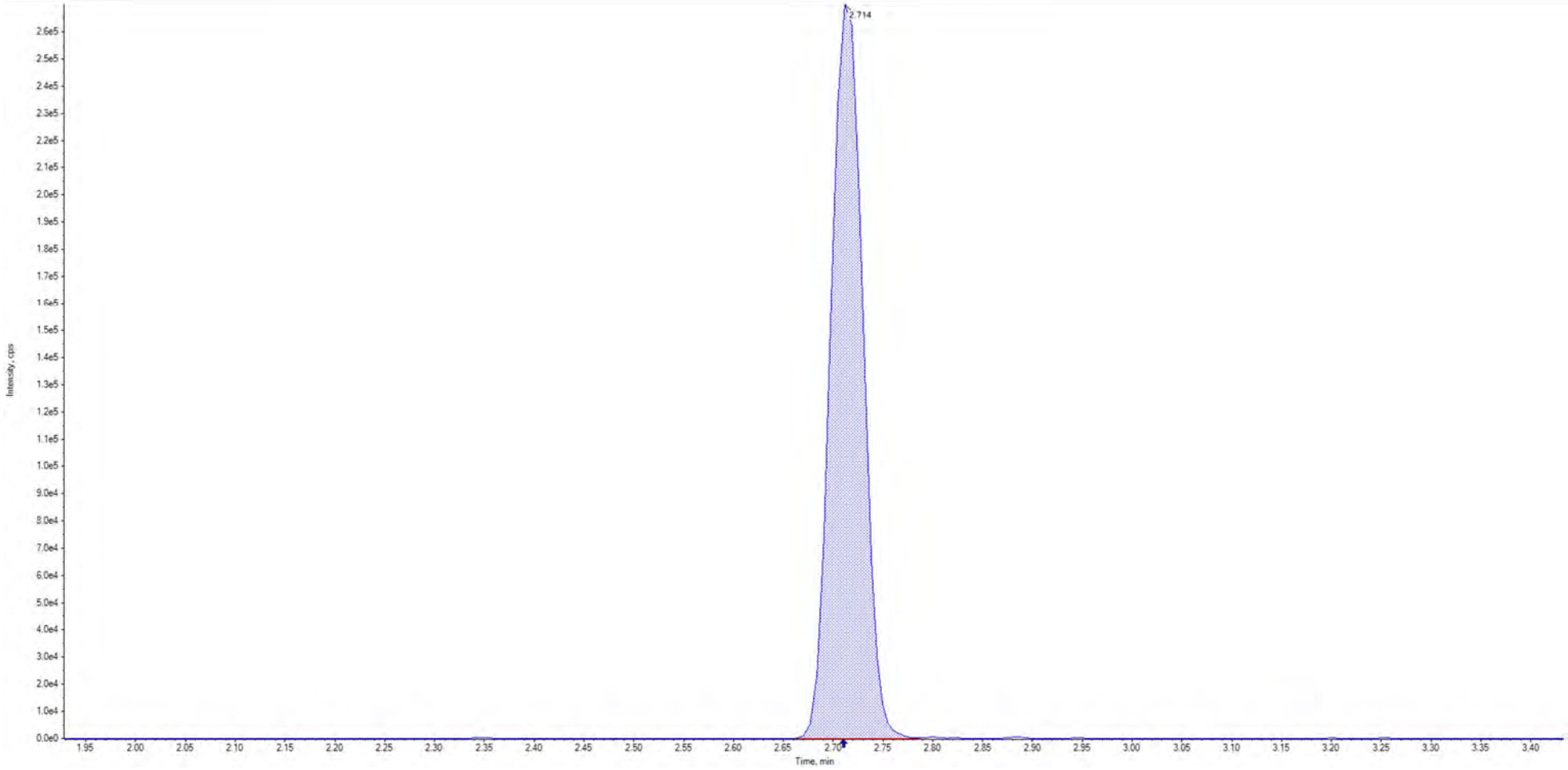


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_35.wiff2_2
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

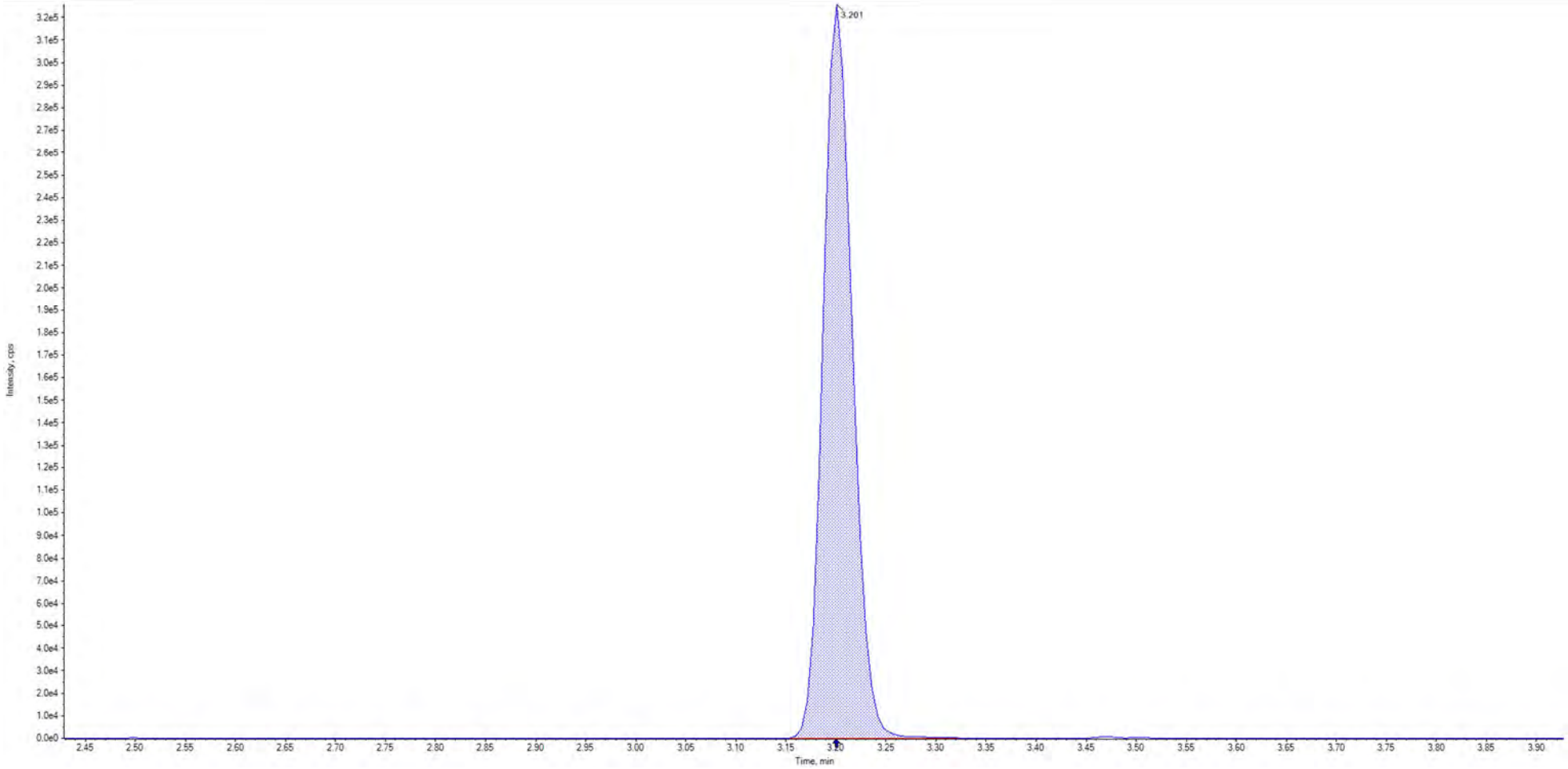
13C5-PFHxA
Sample: WG2035470-3,INSTBLANK



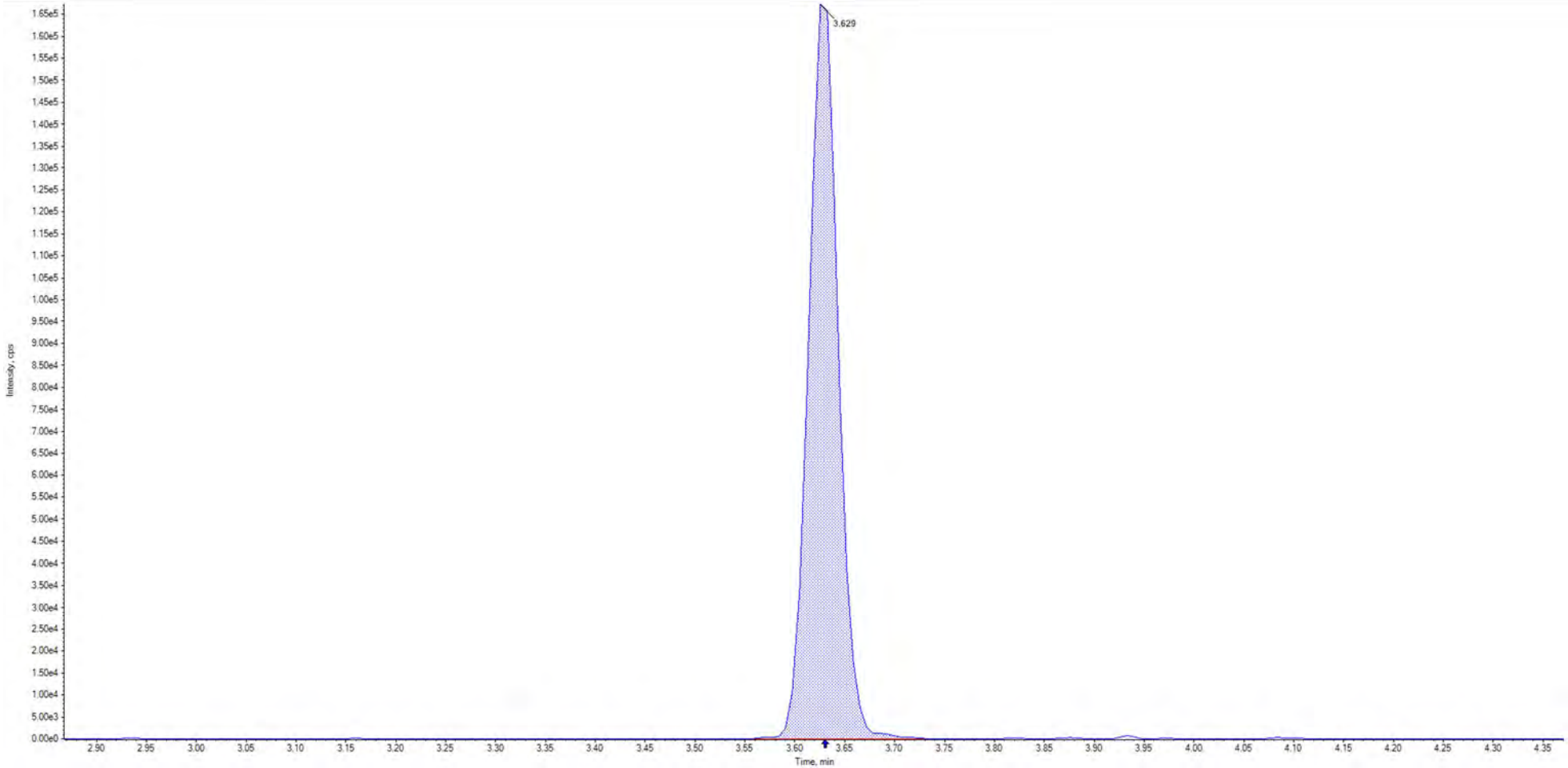
13C4-PFHpA
Sample: WG2035470-3,INSTBLANK



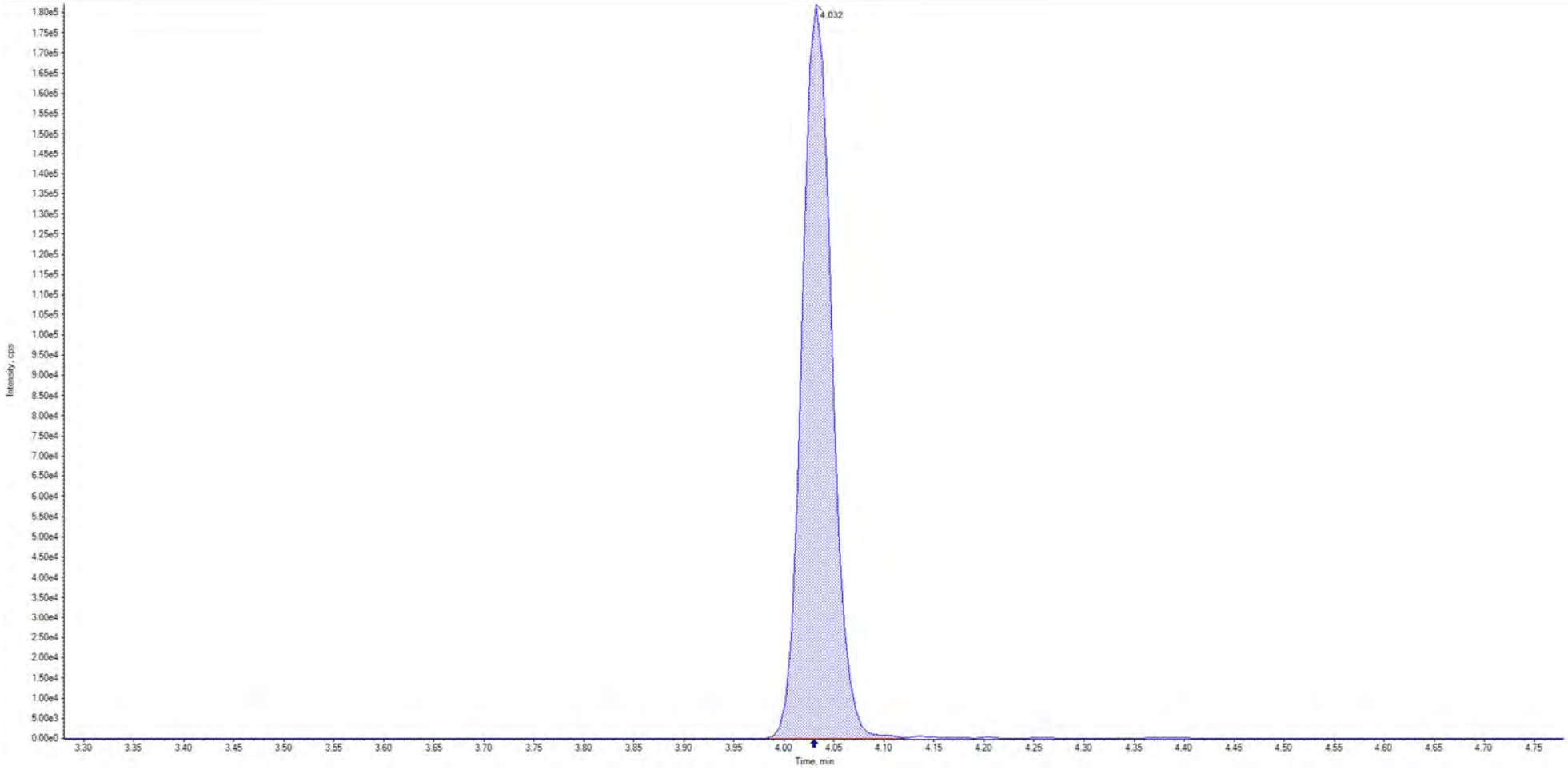
13C8-PFOA
Sample: WG2035470-3,INSTBLANK



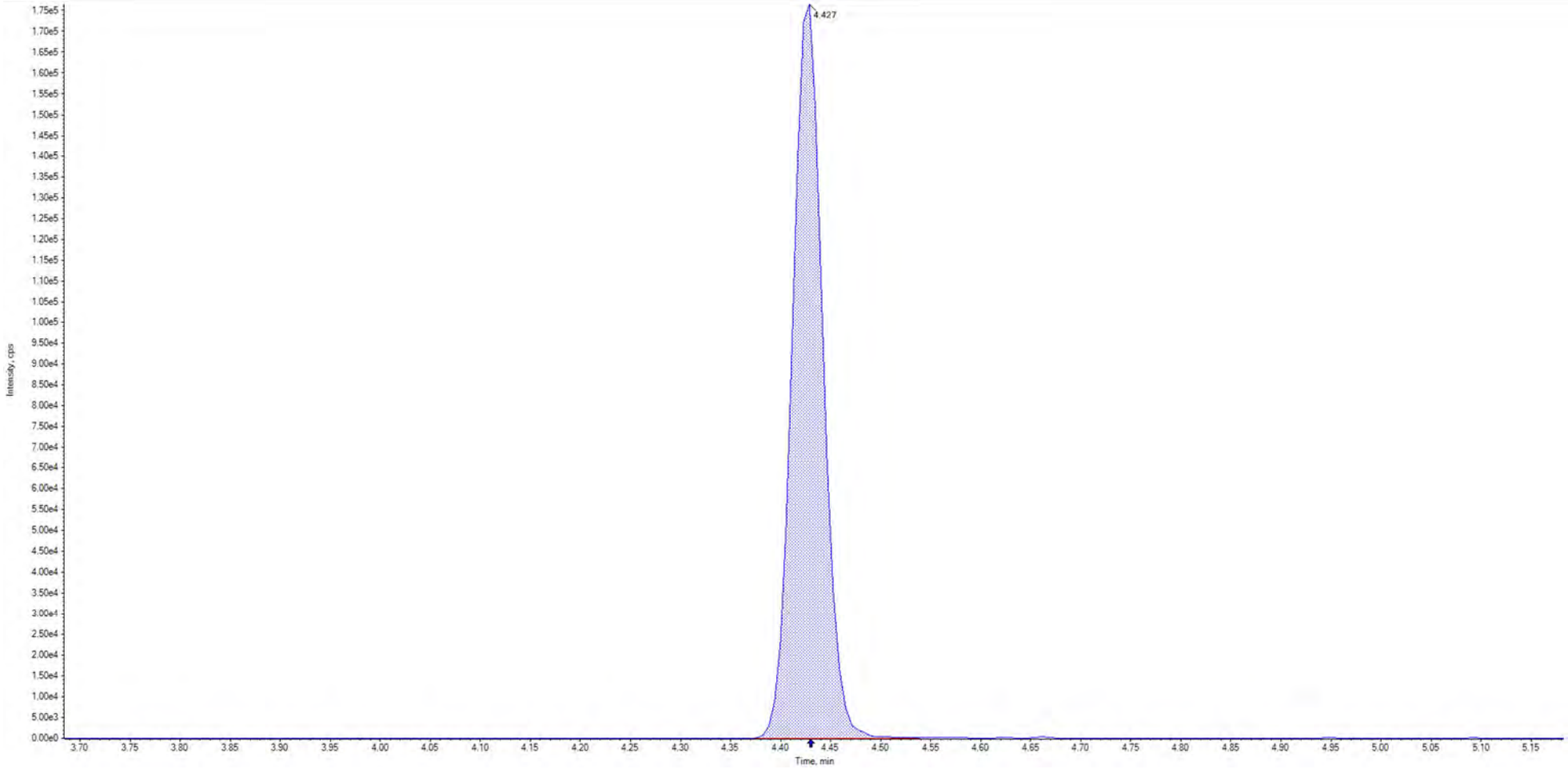
13C9-PFNA
Sample: WG2035470-3,INSTBLANK



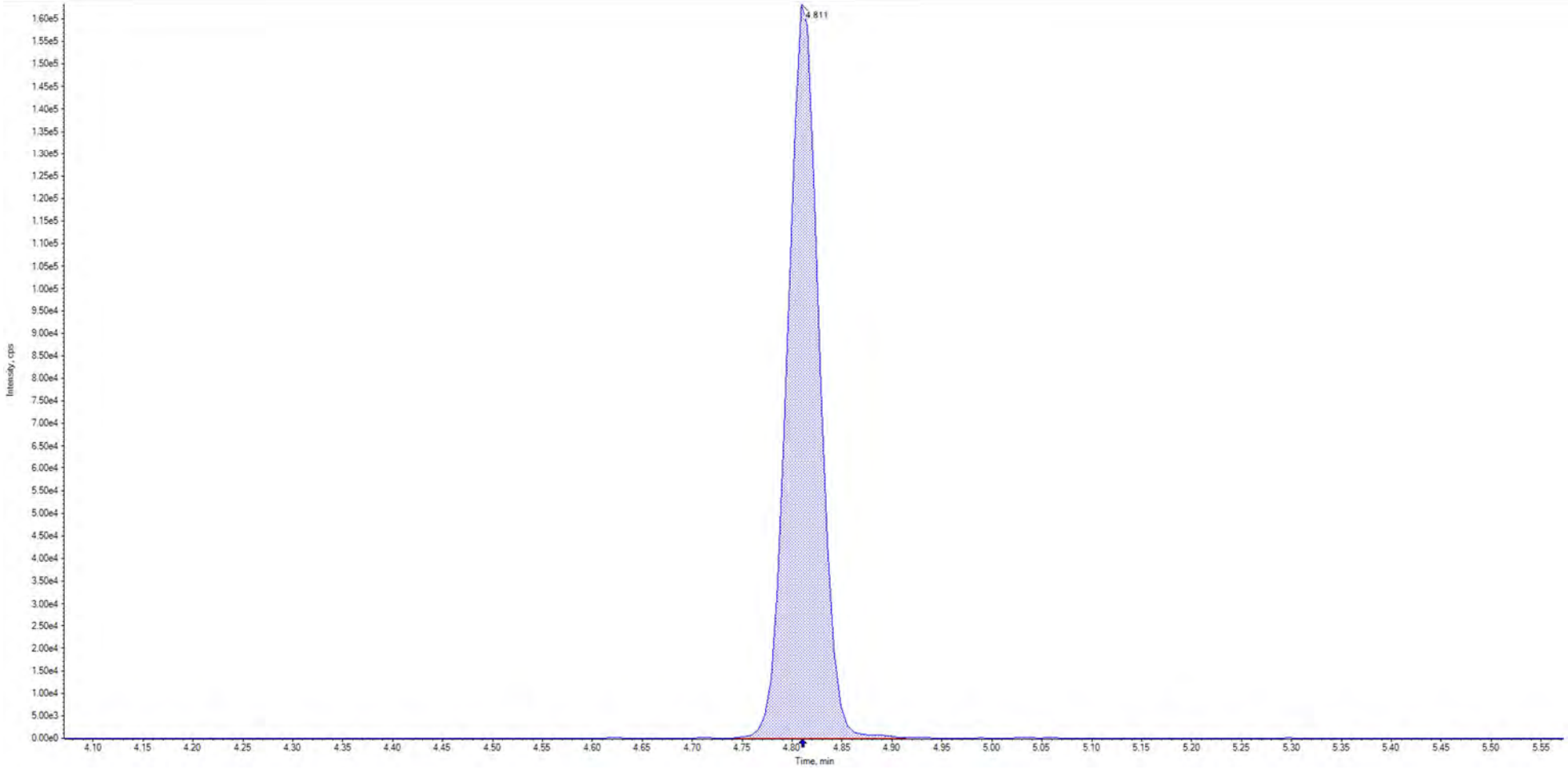
13C6-PFDA
Sample: WG2035470-3,INSTBLANK



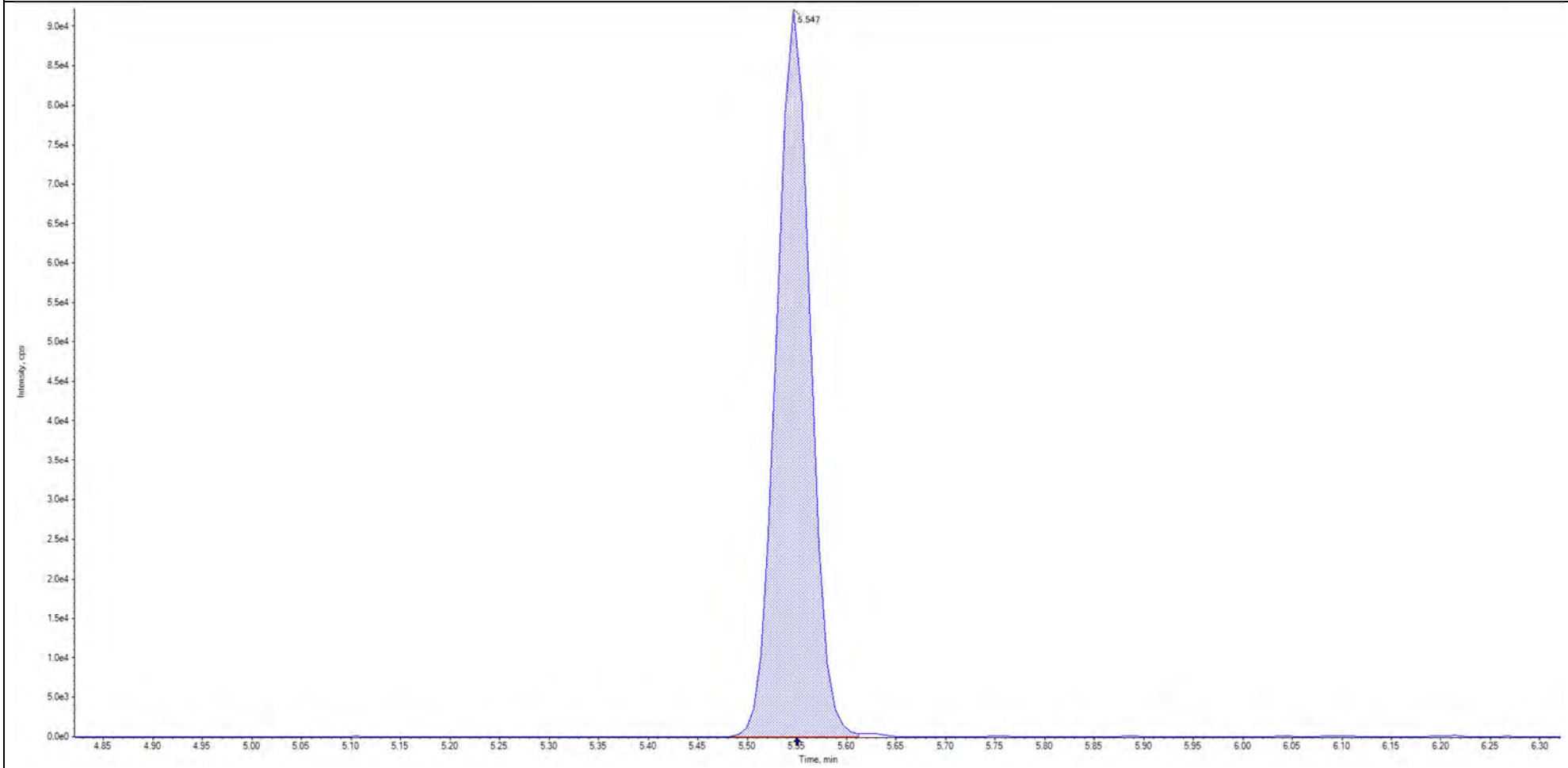
13C7-PFUnA
Sample: WG2035470-3,INSTBLANK



13C2-PFDoA
Sample: WG2035470-3,INSTBLANK

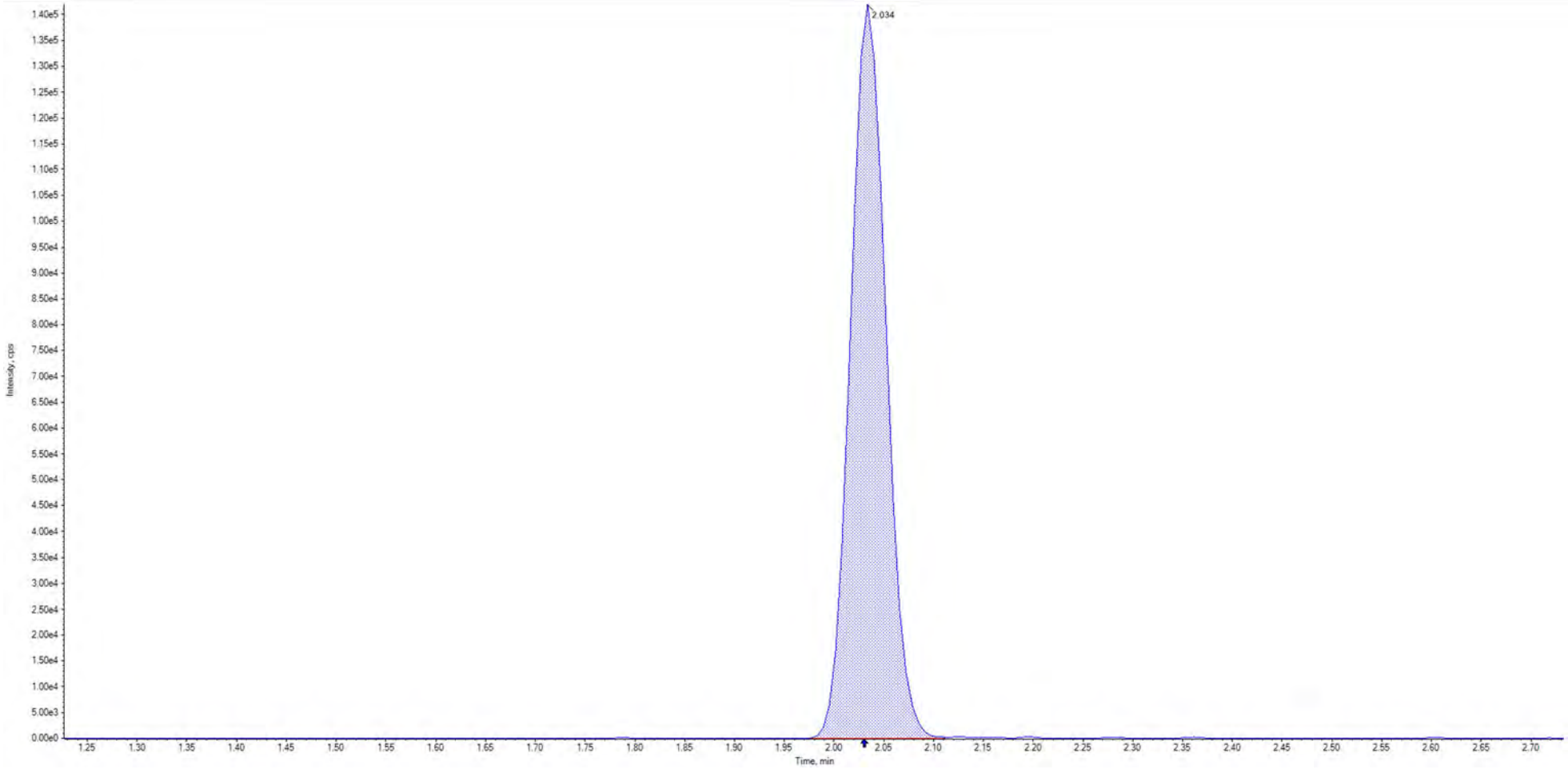


13C2-PFTeDA
Sample: WG2035470-3,INSTBLANK

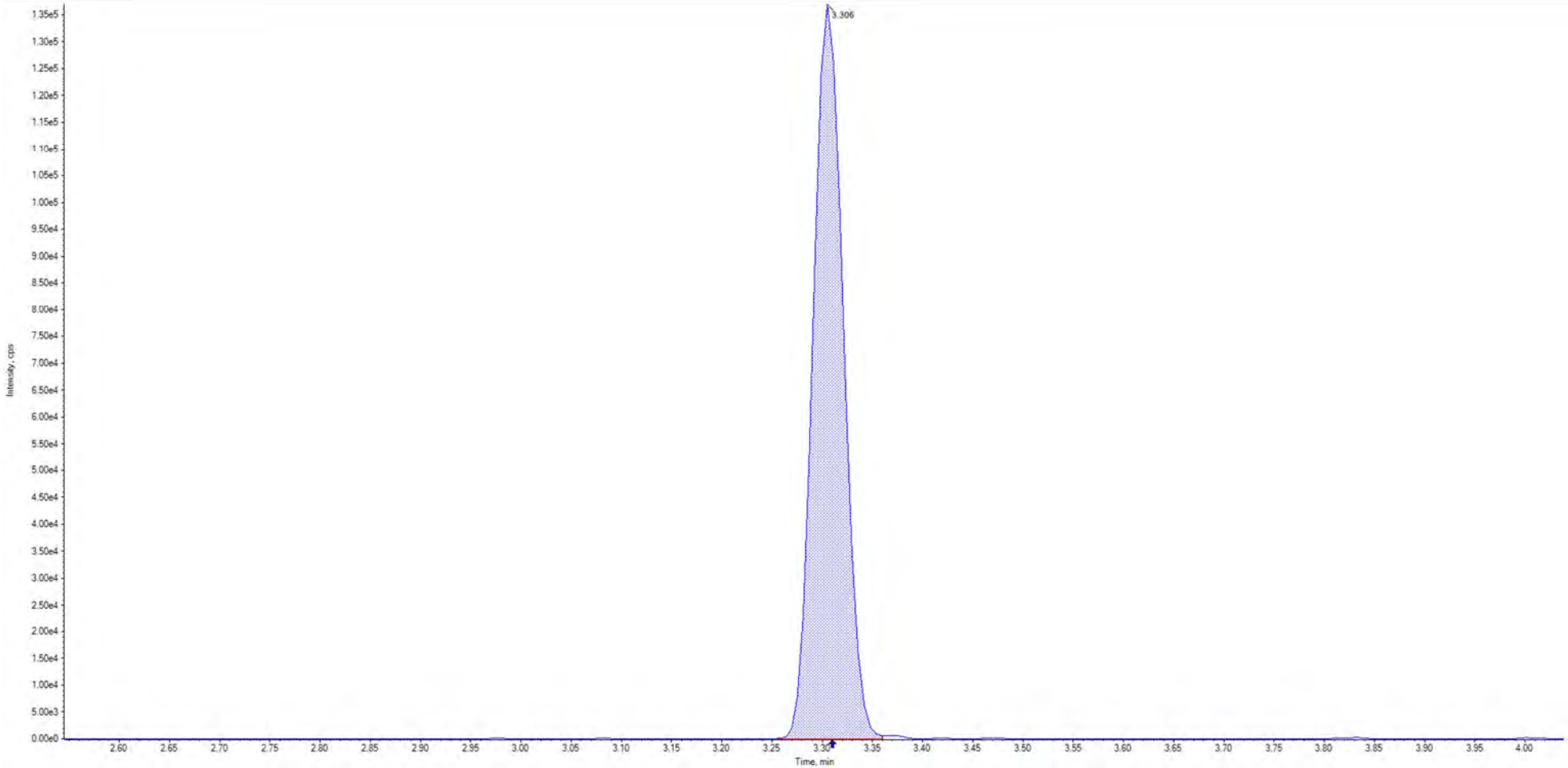


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_35.wiff2_2
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

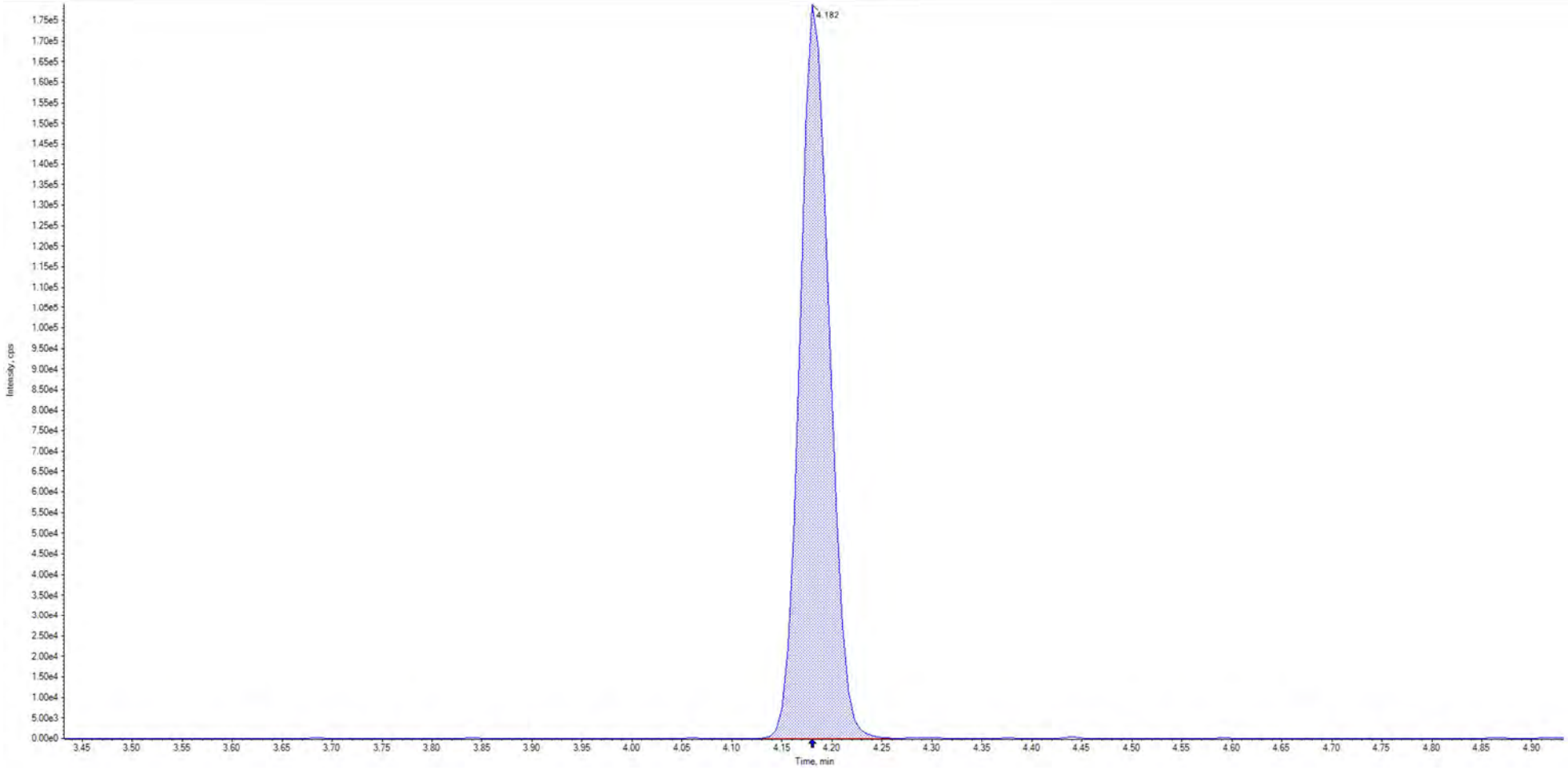
13C3-PFBS
Sample: WG2035470-3,INSTBLANK



13C3-PFHxS
Sample: WG2035470-3,INSTBLANK

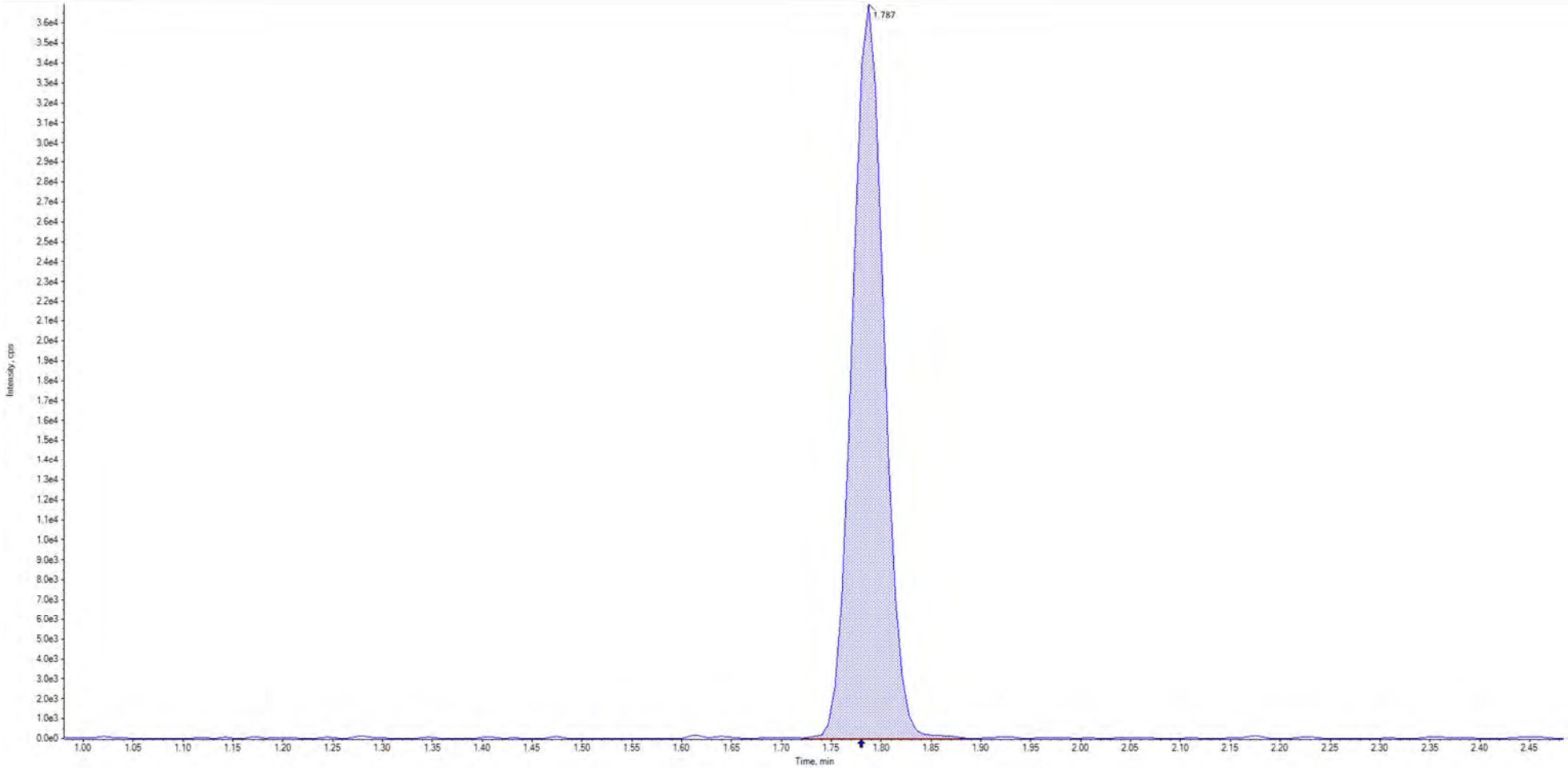


13C8-PFOS
Sample: WG2035470-3,INSTBLANK



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\250228\SCI07_250228_35.wiff2_2
Last Altered: 3/1/2025 8:37:00 AM
Generated: 3/1/2025 7:28:00 AM

13C2-4:2FTS
Sample: WG2035470-3,INSTBLANK



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13C2-6:2FTS
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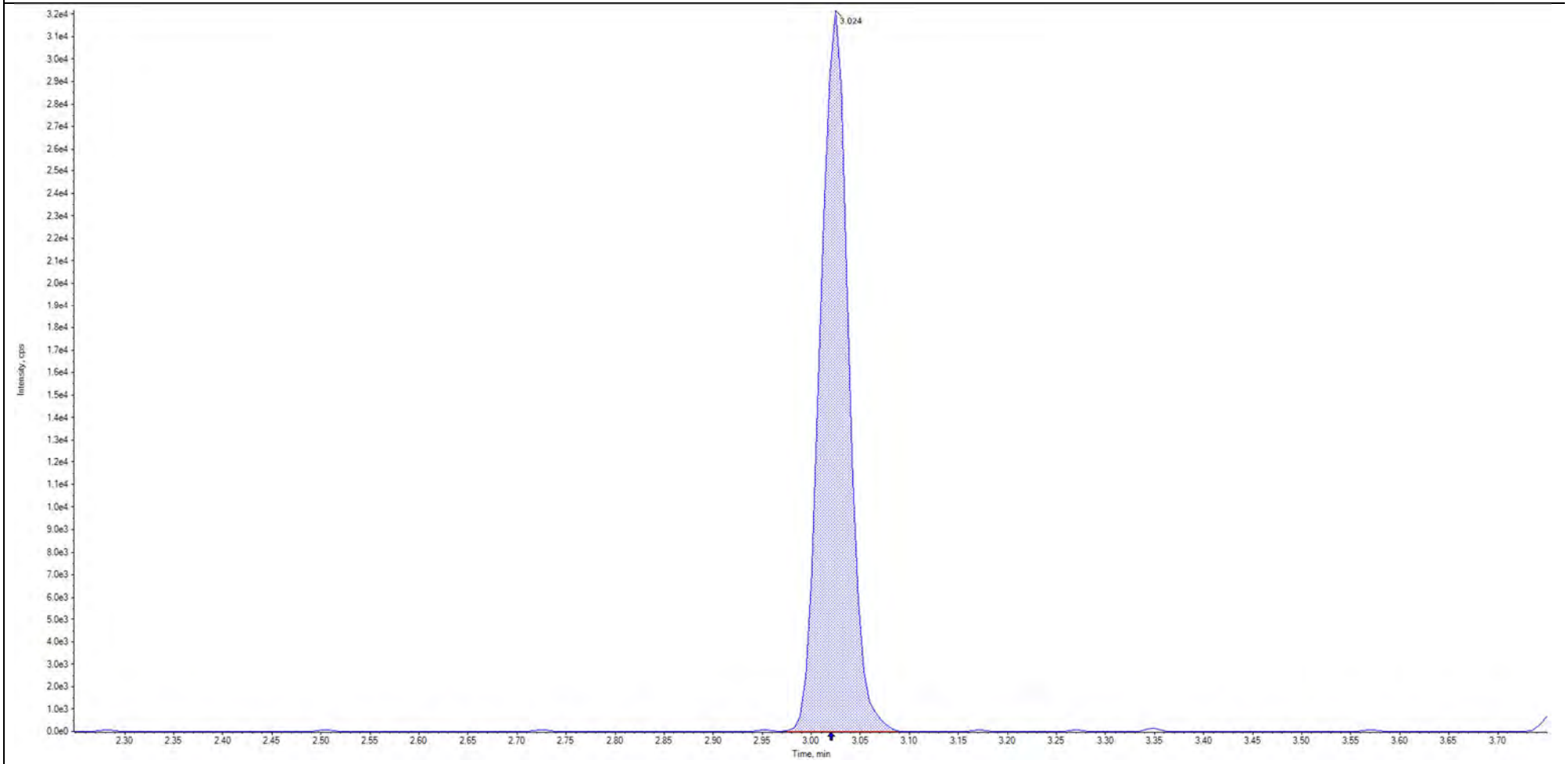

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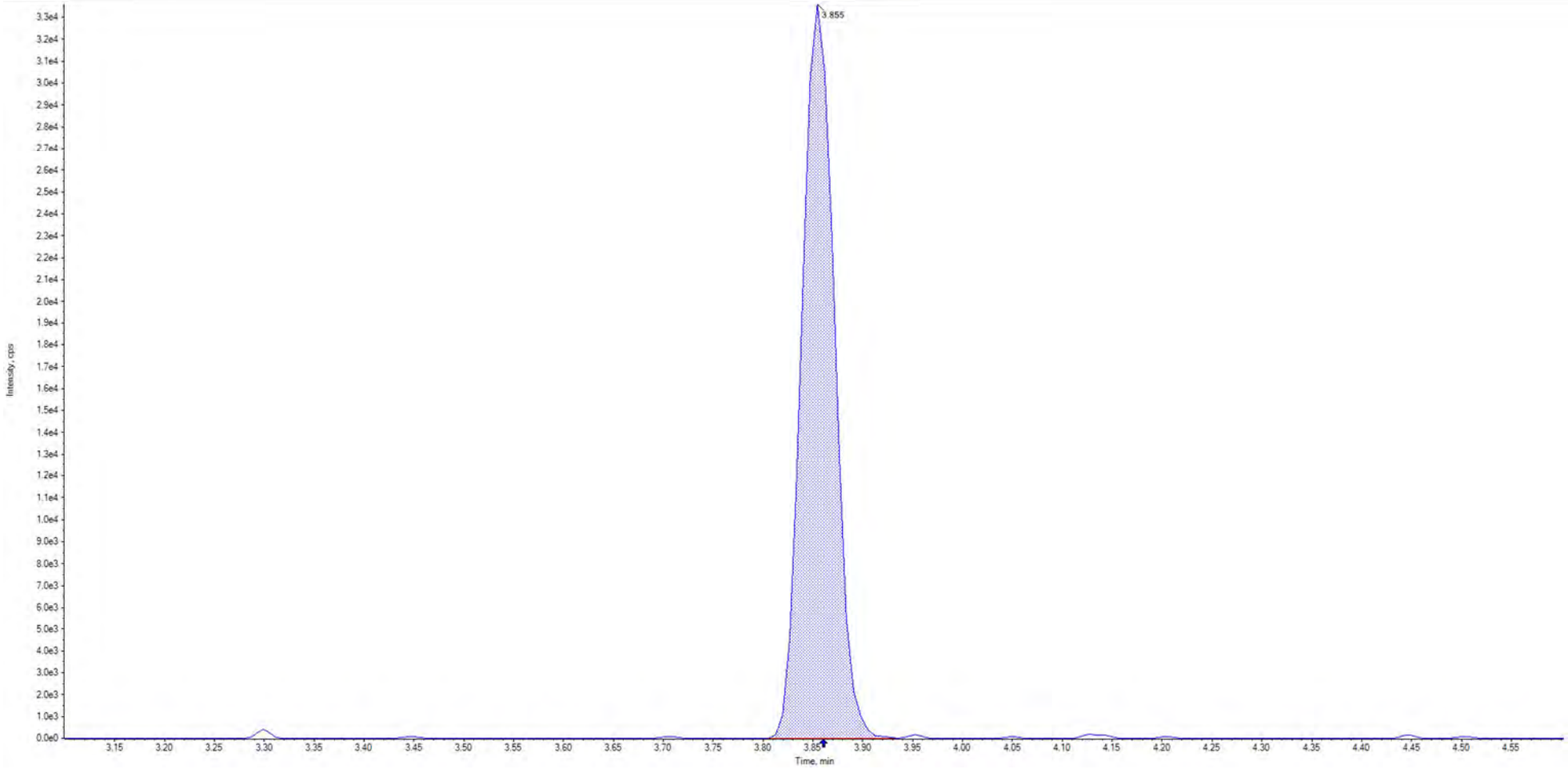

13C8-PFOSA
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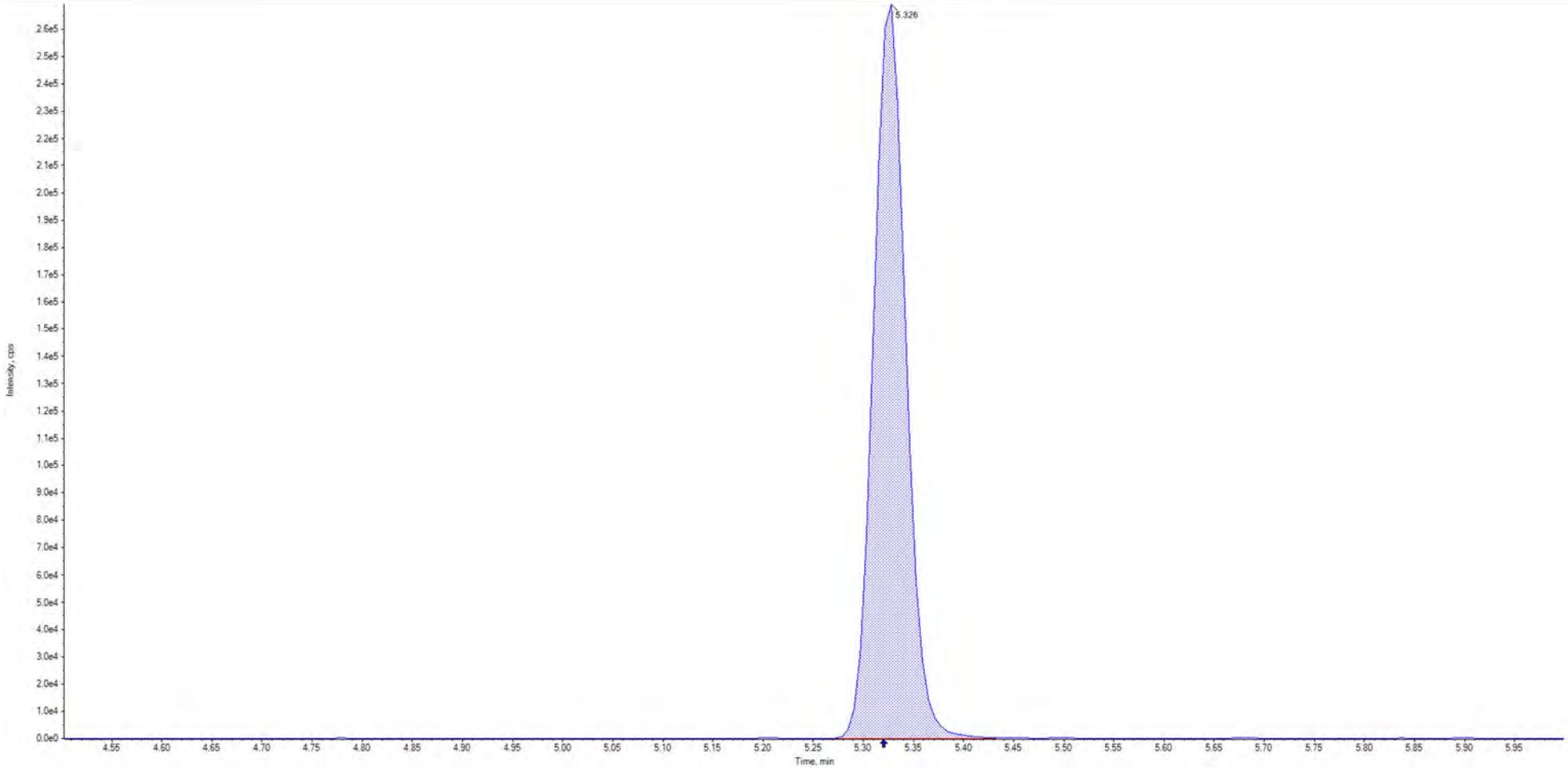

d3-NMeFOSA
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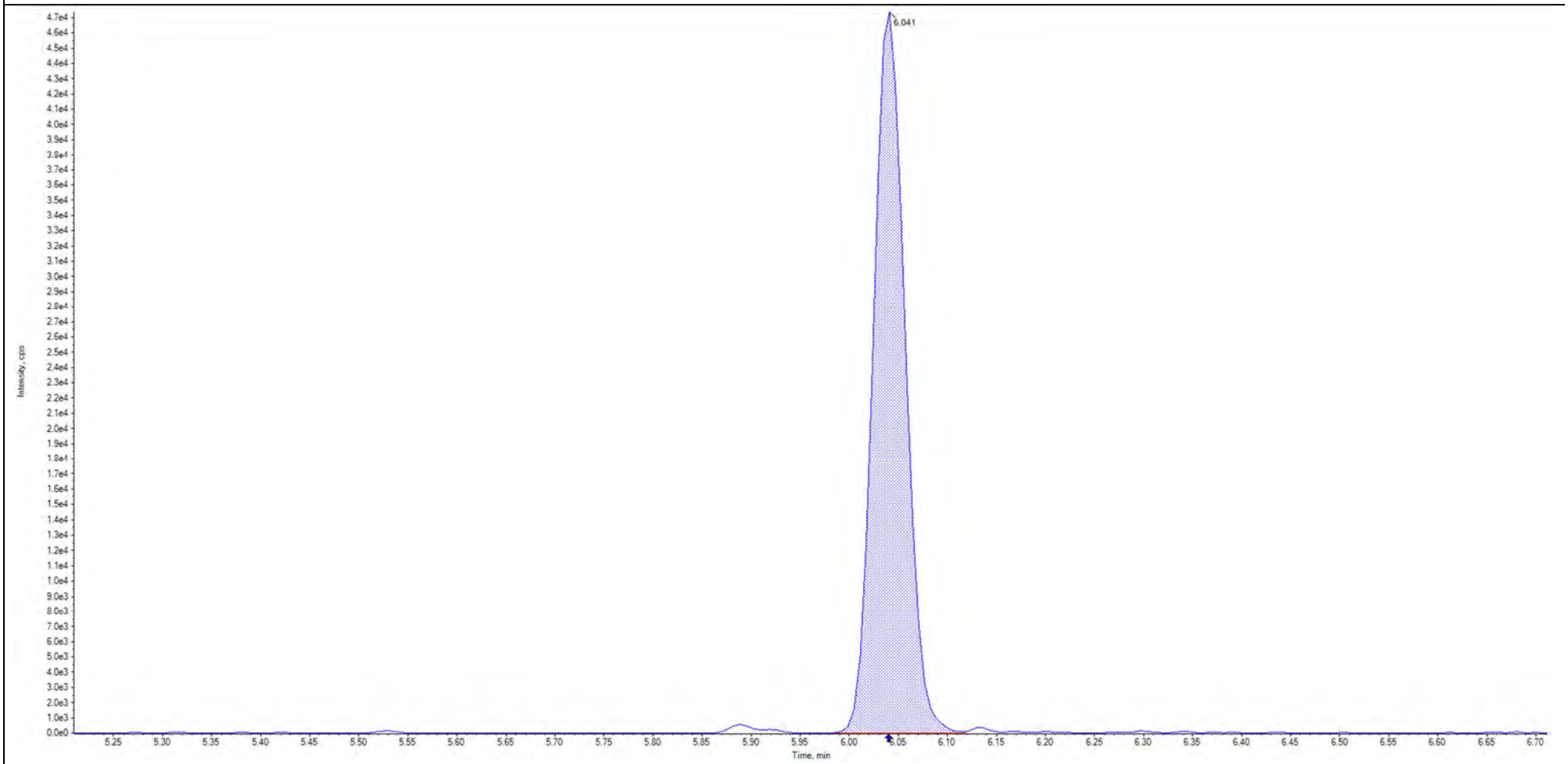

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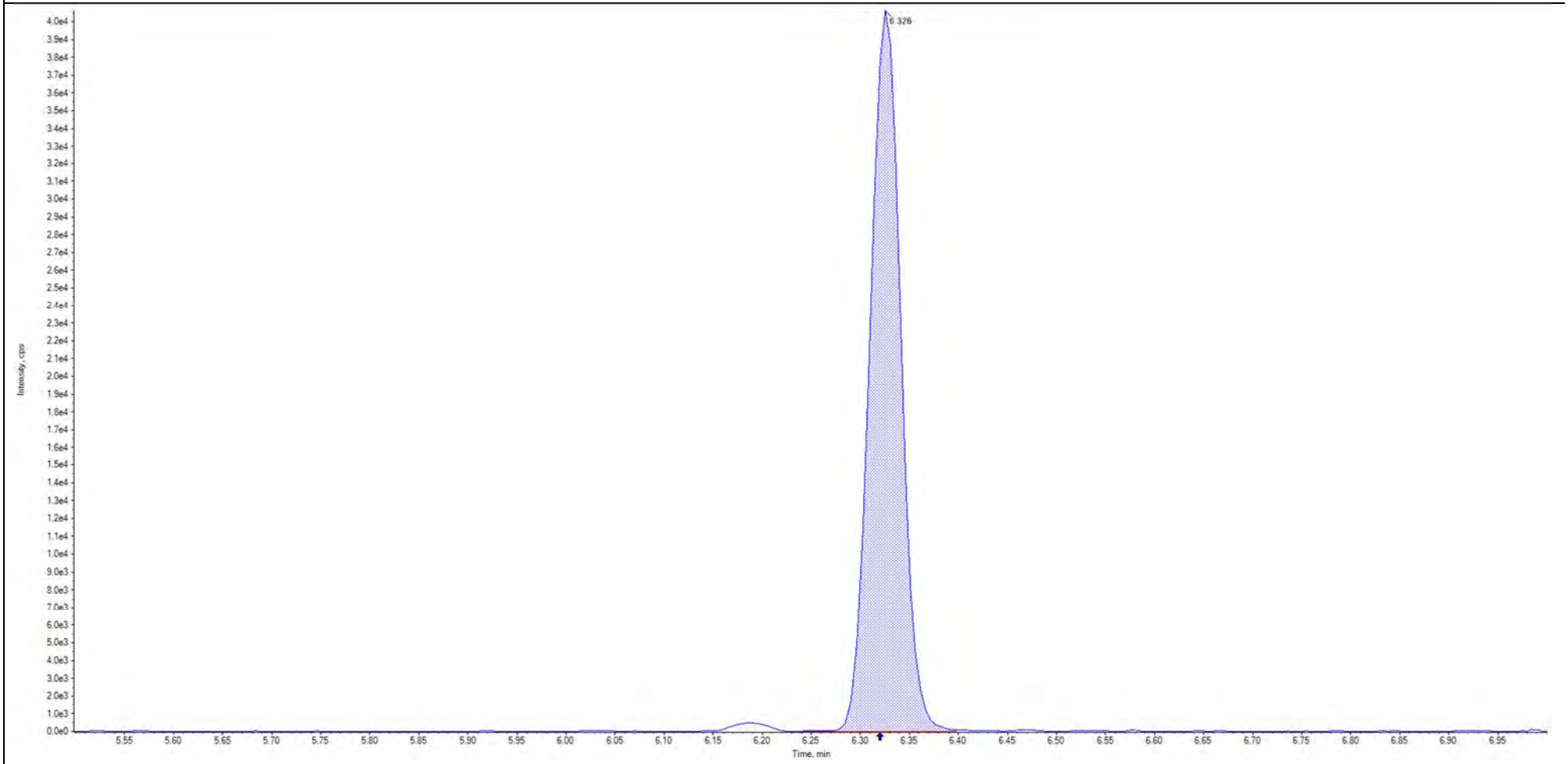

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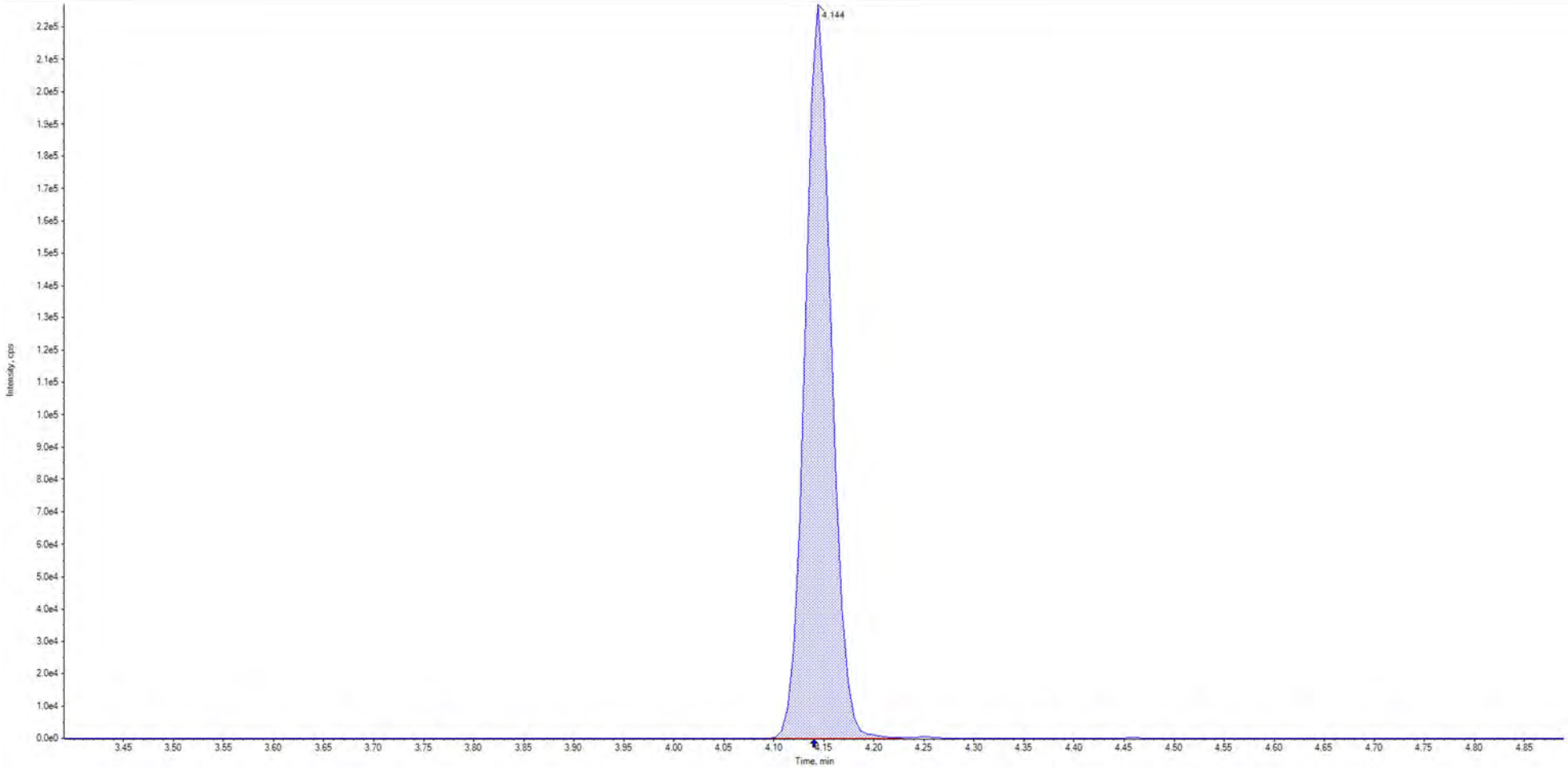

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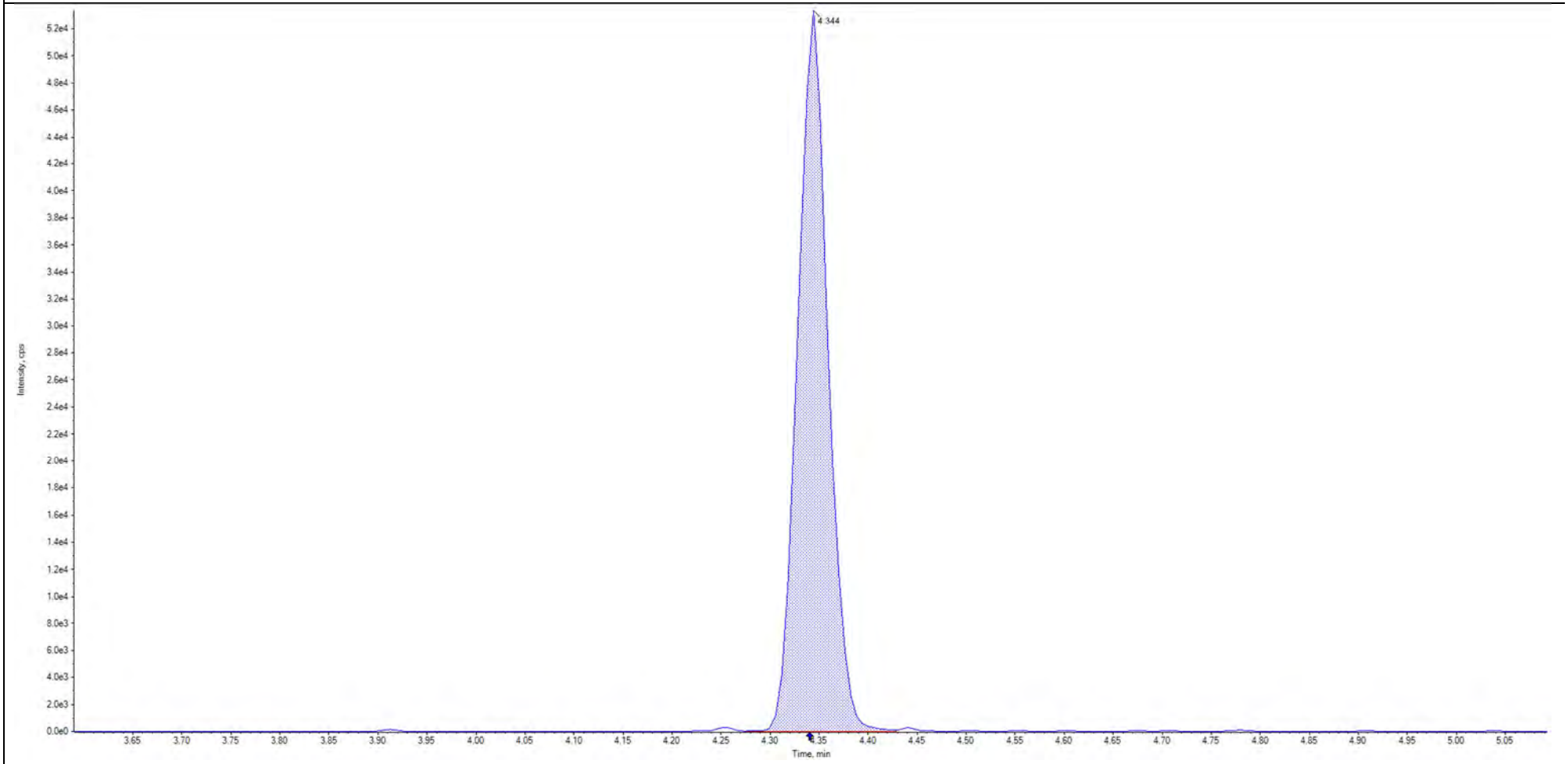

d7-NMeFOSE
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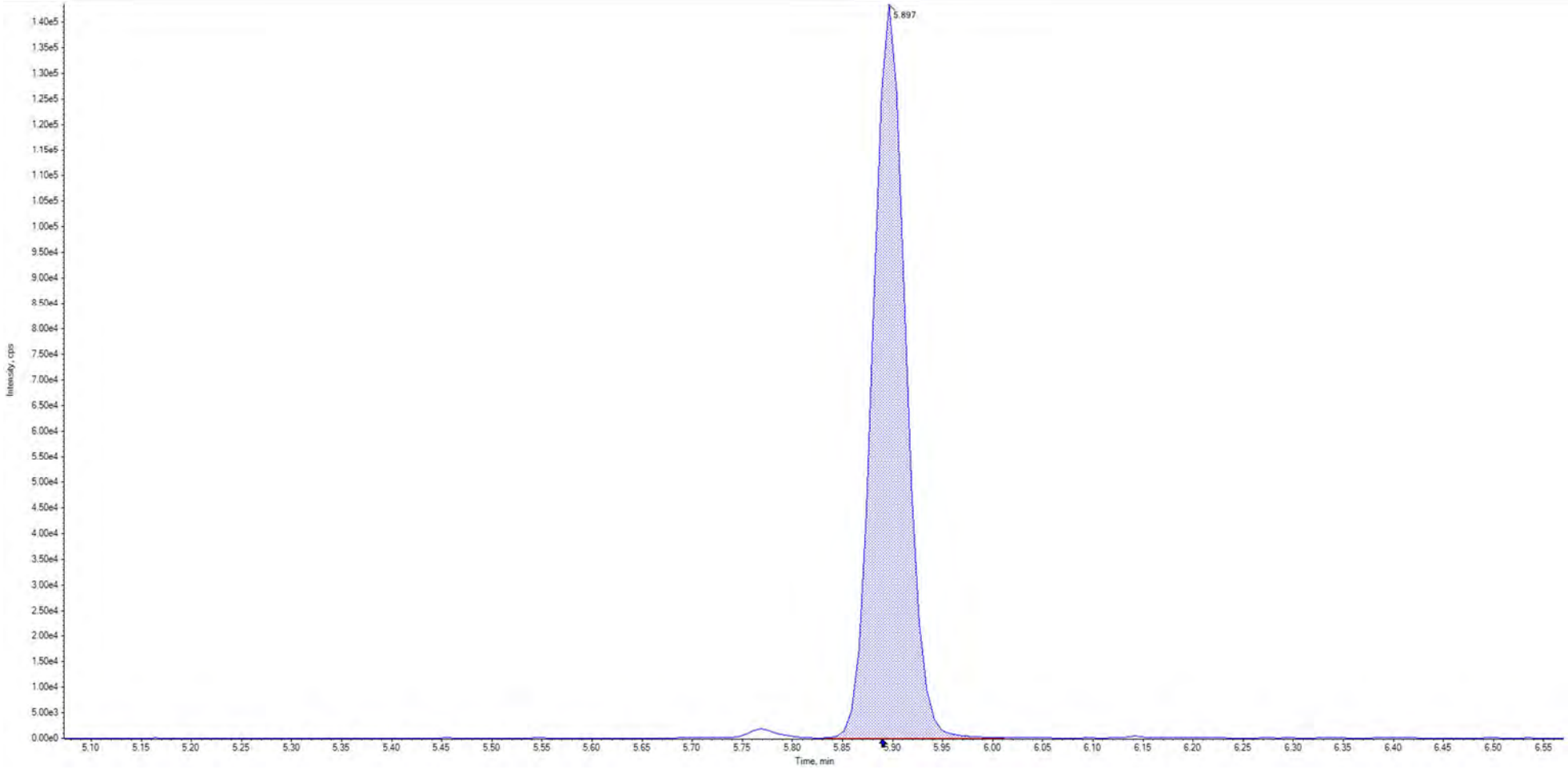

d9-NEtFOSE
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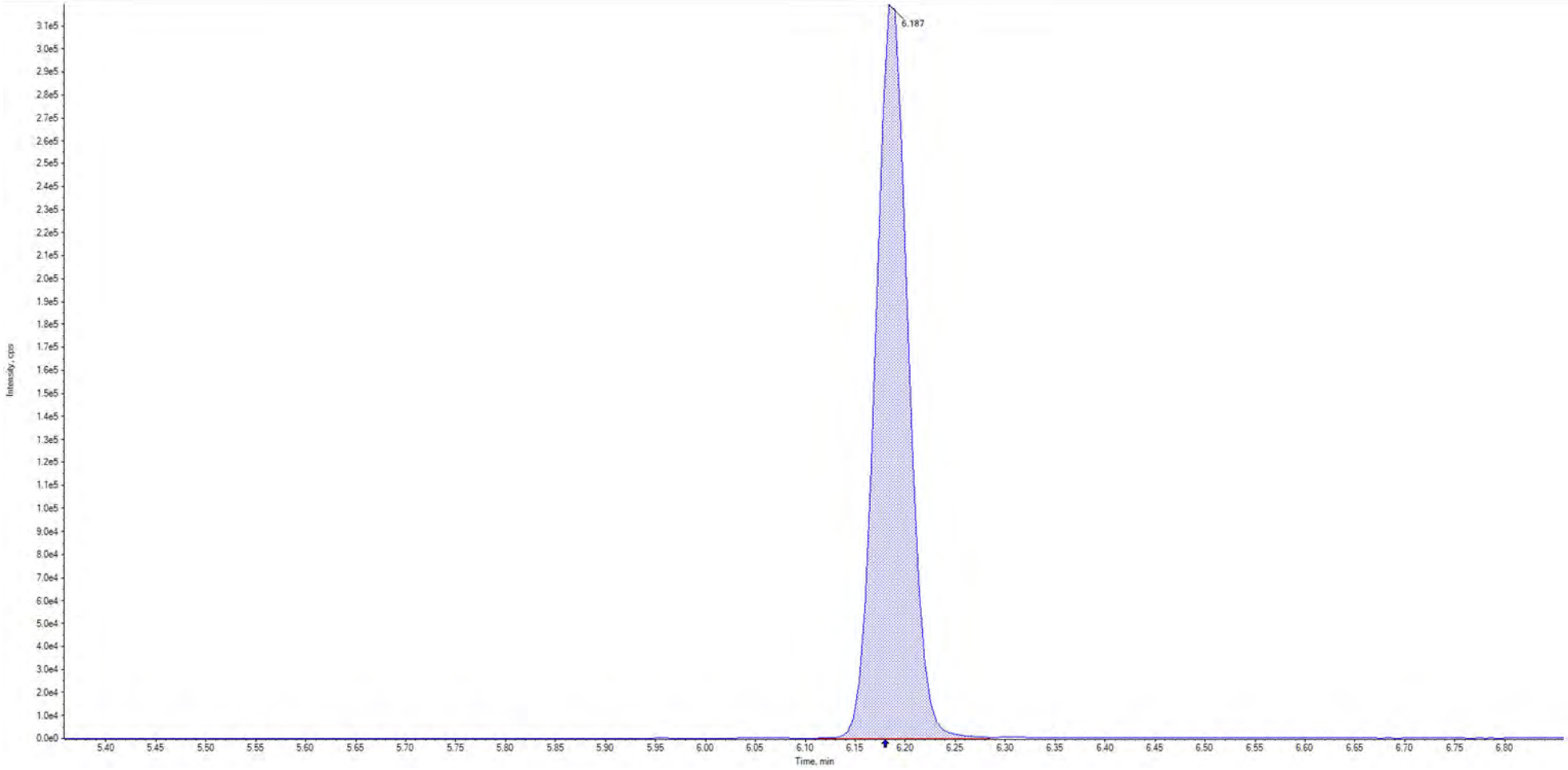

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13C3-HFPO-DA
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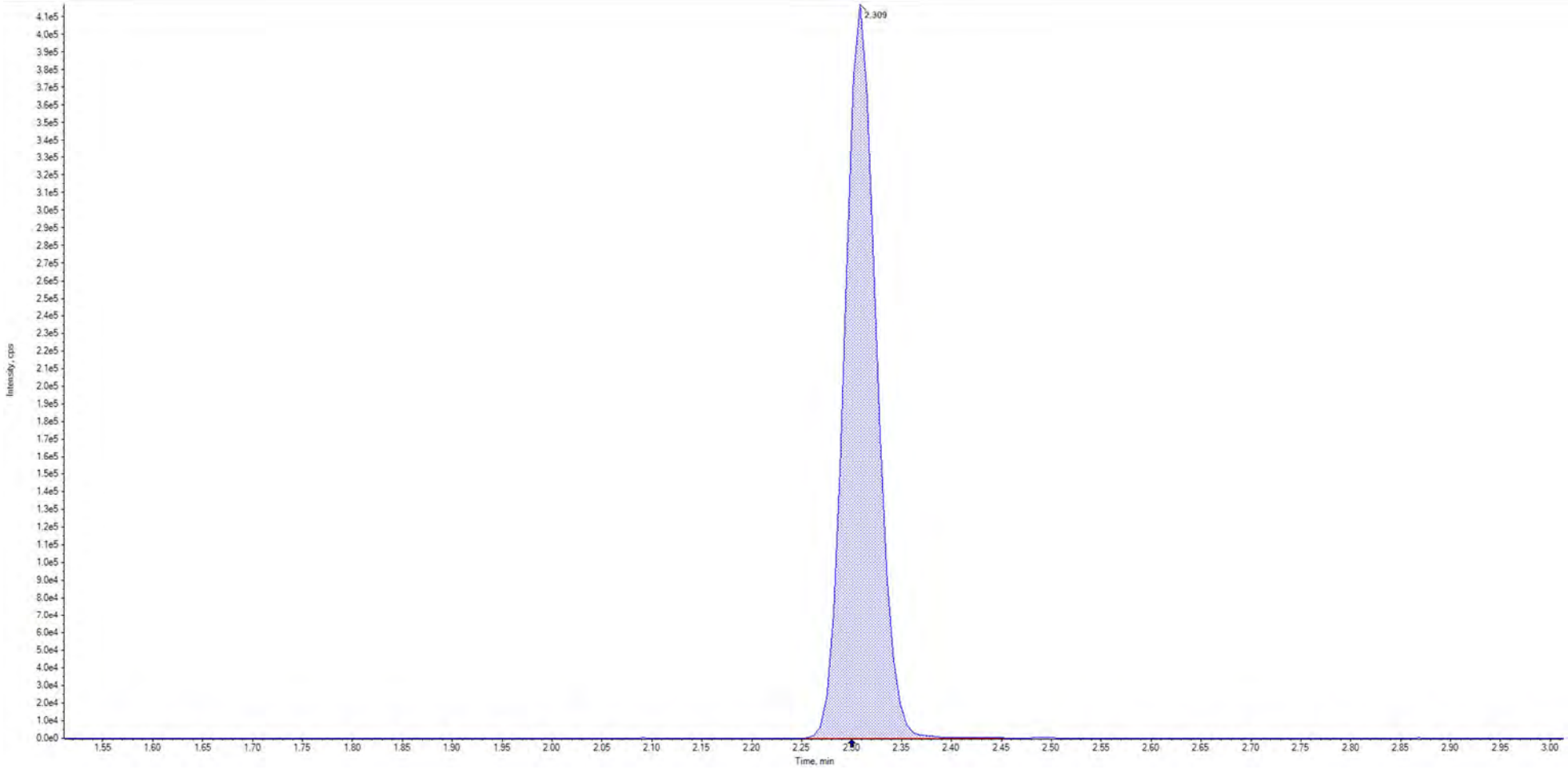

13C3-PFBA
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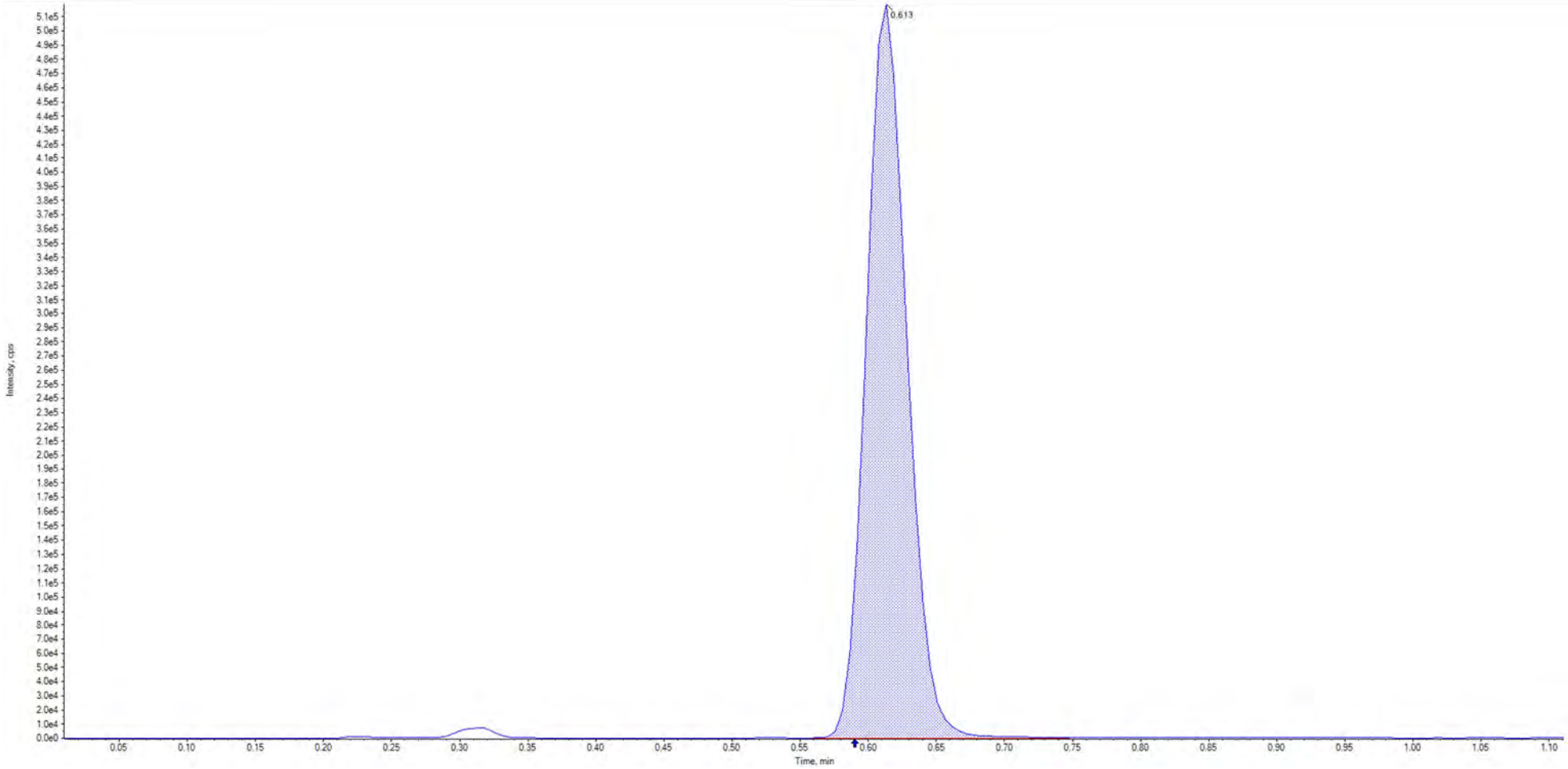

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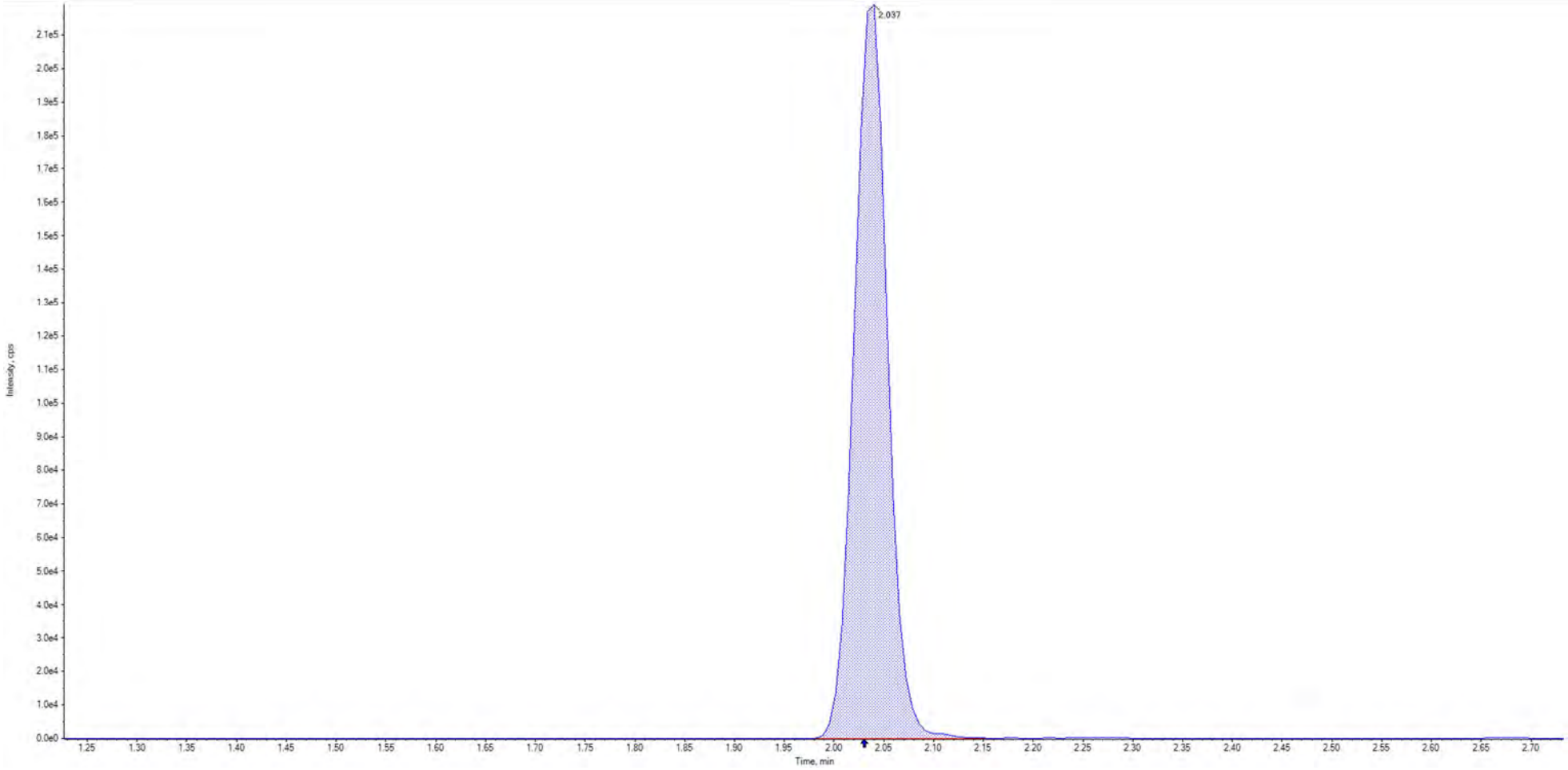

13C4-PFOA
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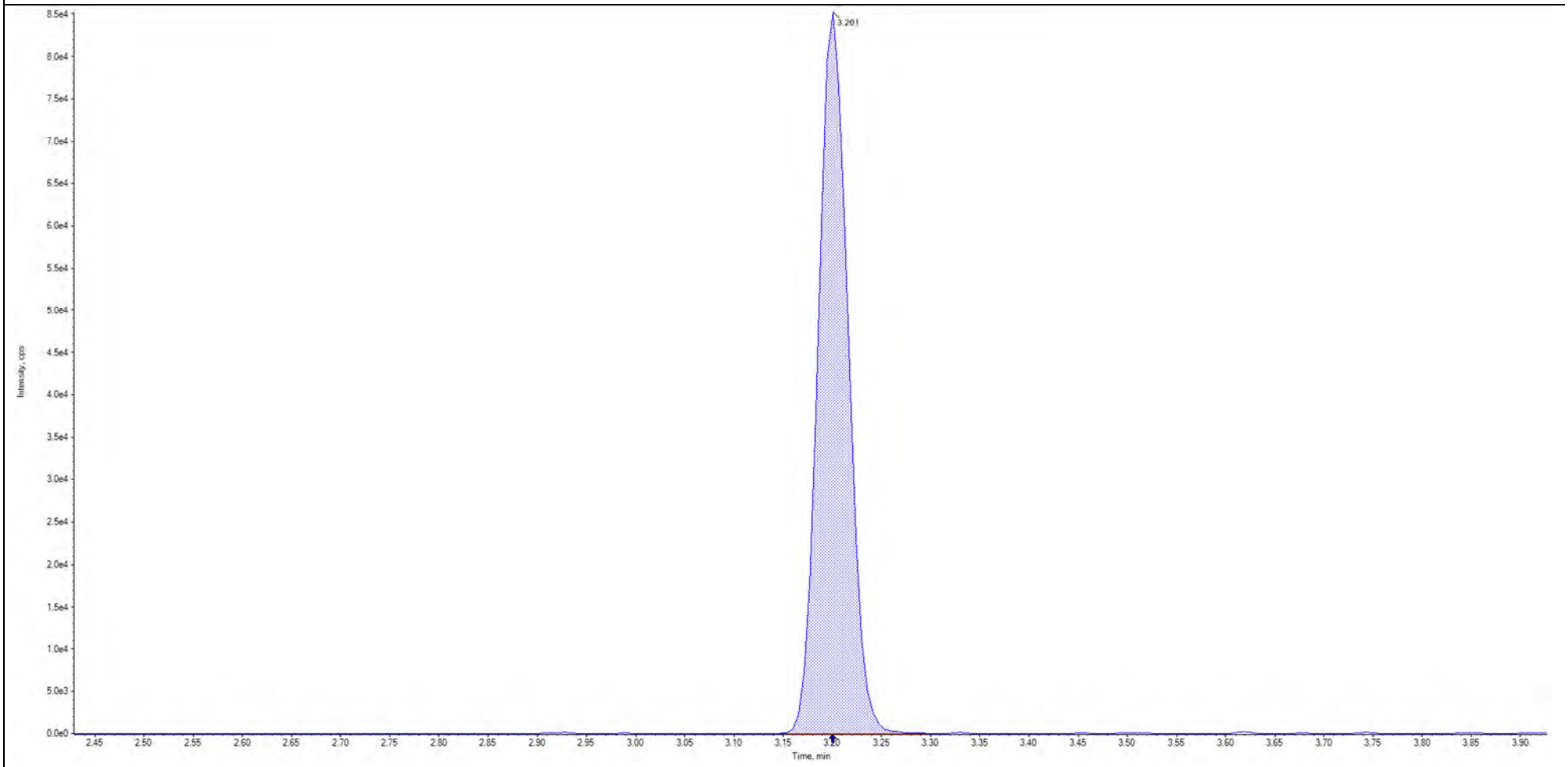

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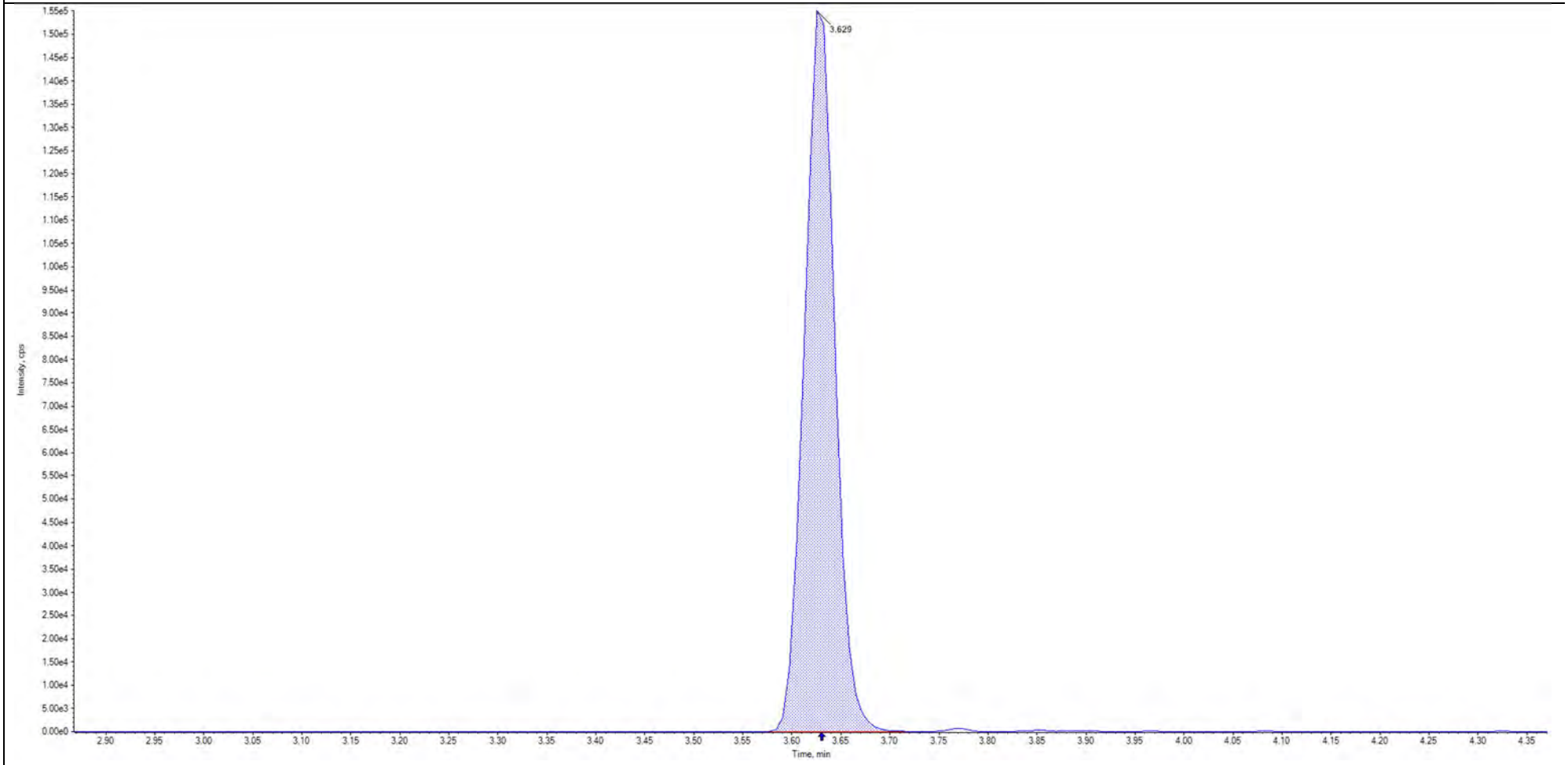

13C2-PFDA
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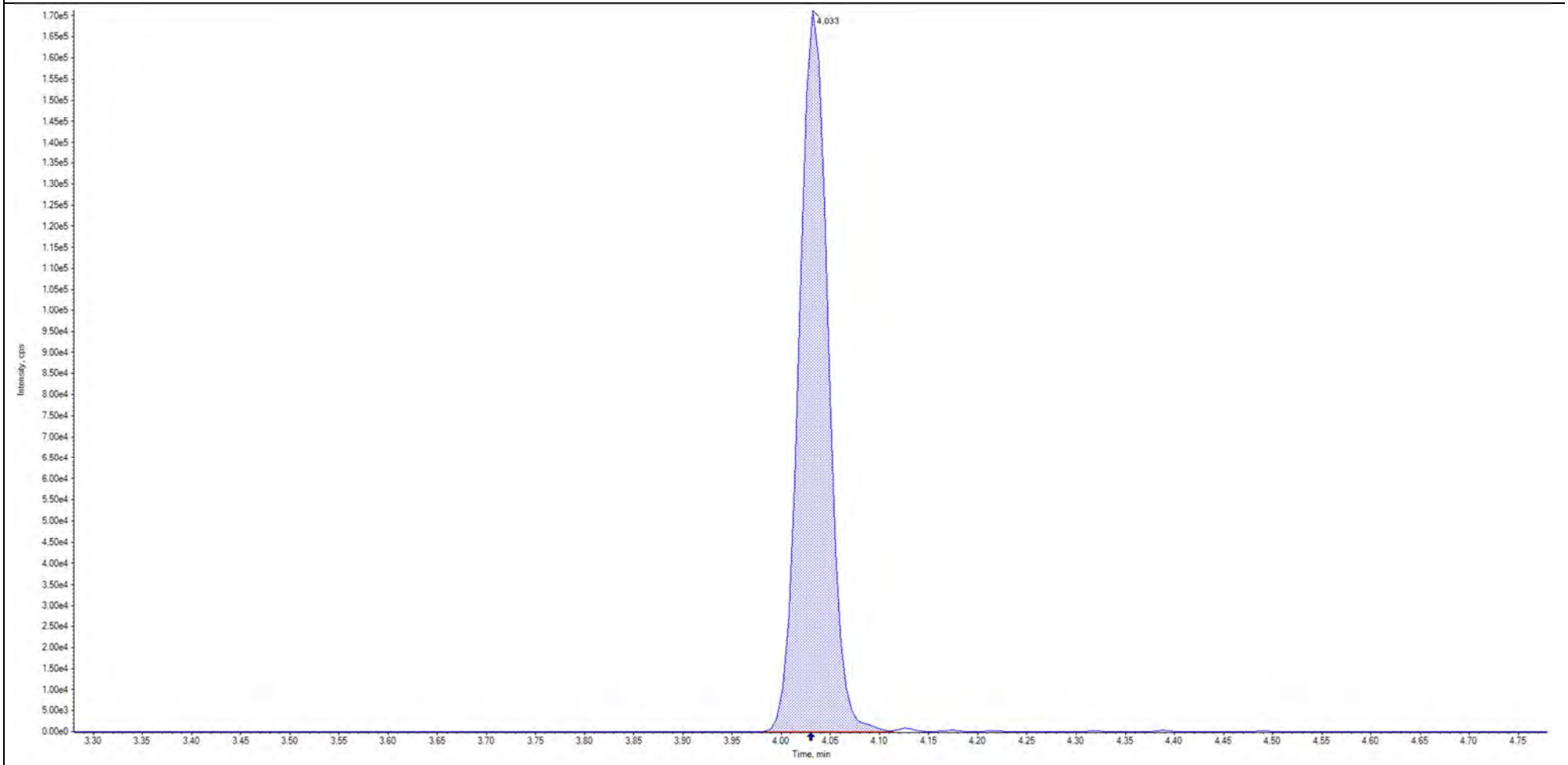

18O2-PFHxS
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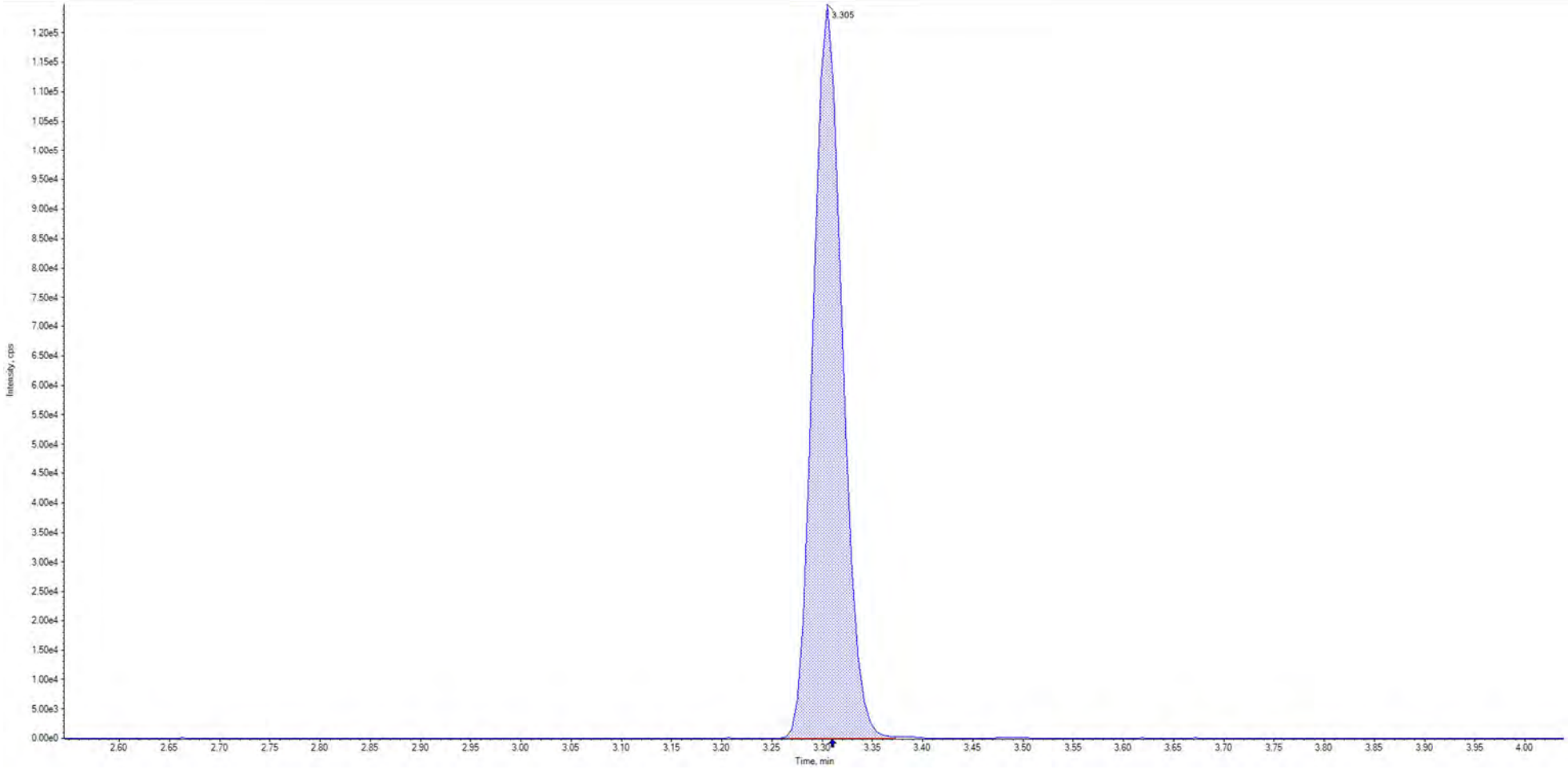

13C4-PFOS
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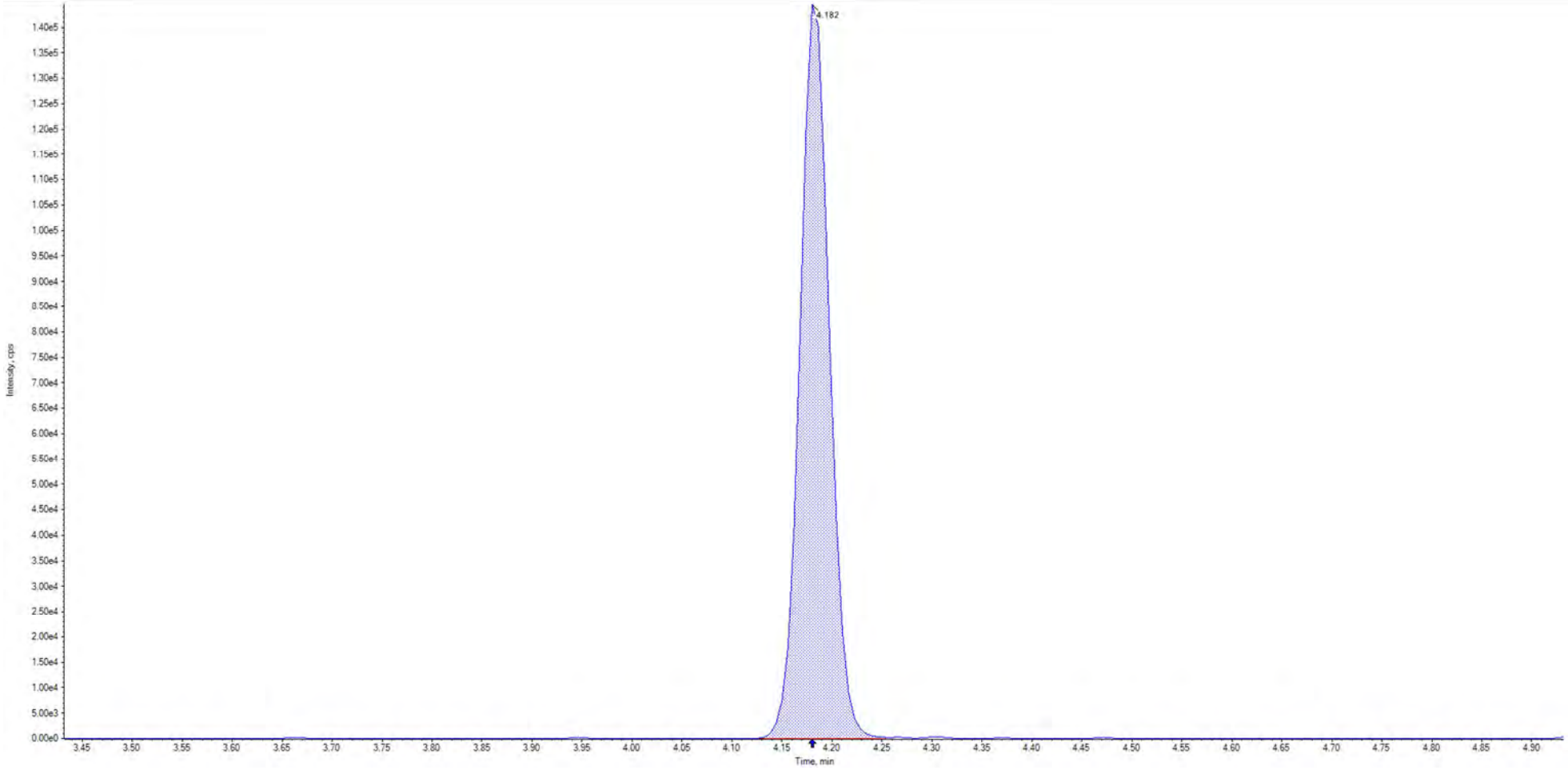

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