Semivolatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS08	Ical Ref	: ICAL21783
Calibration dates	: 12/16/24 15:07 12/16/24 16:18		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

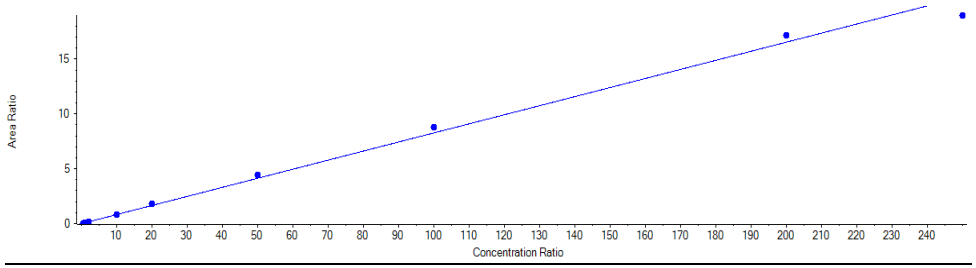
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_11.wiff2
Last Altered: 12/16/2024 8:34:29 PM
Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	0.63	1255000	36307	0.350	87.4	0.723	250	True	1.15
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	0.63	1101000	75814	0.832	104.0	0.860	361	True	1.31
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	0.63	1428000	215300	1.823	91.2	0.754	749	True	1.28
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	0.62	1323000	1095071	10.004	100.0	0.827	1470	True	1.36
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	0.62	1057000	1885790	21.573	107.9	0.892	1880	True	1.26
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	0.64	1100000	4900340	53.870	107.7	0.891	3458	True	1.14
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	0.63	1038000	9103196	105.998	106.0	0.877	5225	True	1.20
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	0.63	899000	15460051	207.918	104.0	0.860	5422	True	1.23
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	0.64	919700	17451235	229.424	91.8	0.759	5994	True	1.44

Analyte Name: PFBA
Regression Equation: Y = 0.827 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.006 Avg. RF = 0.827 RSD = 7.853 RSE = 7.853
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS08	Ical Ref	: ICAL21783
Calibration dates	: 12/16/24 15:07 12/16/24 16:18		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

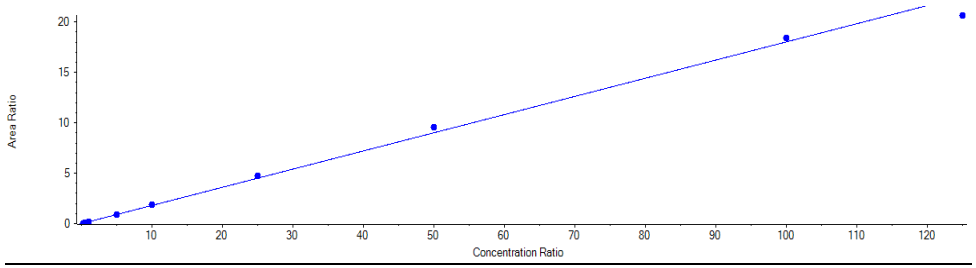
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Last Altered: 12/16/2024 8:34:29 PM
Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	1.23	534700	18402	0.191	95.4	0.860	386	True	1.27
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	1.23	478400	34961	0.405	101.3	0.914	762	True	1.28
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	1.23	610700	104430	0.948	94.9	0.855	1784	True	0.99
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	1.23	583600	520003	4.942	98.8	0.891	5613	True	1.35
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	1.23	479400	897573	10.383	103.8	0.936	6651	True	1.27
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	1.24	504900	2412169	26.498	106.0	0.955	13227	True	1.14
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	1.24	503700	4816856	53.041	106.1	0.956	16156	True	1.18
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	1.23	471600	8674062	102.007	102.0	0.920	20415	True	1.23
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	1.25	481500	9942418	114.528	91.6	0.826	20444	True	1.22

Analyte Name: PFPeA
Regression Equation: Y = 0.901 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.009 Avg. RF = 0.901 RSD = 5.152 RSE = 5.152
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS08	Ical Ref	: ICAL21783
Calibration dates	: 12/16/24 15:07 12/16/24 16:18		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

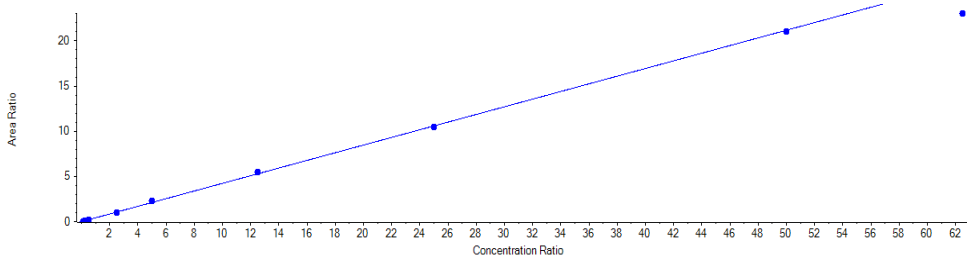
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Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	1.99	327700	15153	0.109	109.2	1.156	197	True	1.38
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	2.00	281900	25375	0.213	106.3	1.125	300	True	1.43
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	2.00	368700	74067	0.474	94.9	1.004	937	True	0.99
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	1.99	370600	365824	2.331	93.2	0.987	4751	True	1.26
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	1.99	286700	647992	5.336	106.7	1.130	7974	True	1.27
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	2.01	320000	1764802	13.020	104.2	1.103	13771	True	1.29
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	2.00	322900	3392026	24.800	99.2	1.050	28836	True	0.96
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	1.99	304800	6414387	49.692	99.4	1.052	19570	True	0.96
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	2.02	299500	6897285	54.373	87.0	0.921	20698	True	1.25

Analyte Name: PFHxA
Regression Equation: Y = 1.059 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.031 Avg. RF = 1.059 RSD = 7.318 RSE = 7.318
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS08	Ical Ref	: ICAL21783
Calibration dates	: 12/16/24 15:07 12/16/24 16:18		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

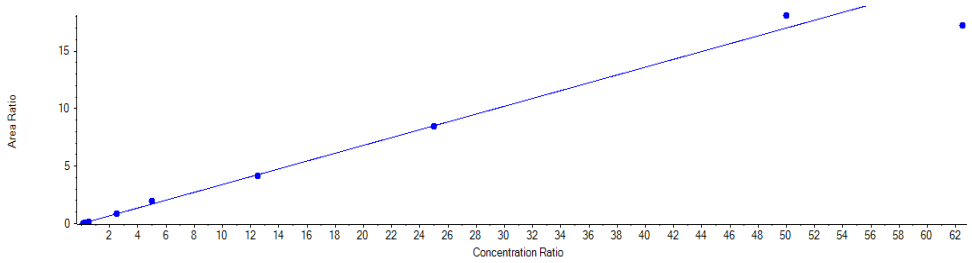
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Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	2.57	405800	14478	0.105	104.9	0.892	162	True	1.10
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	2.58	361300	26560	0.216	108.0	0.919	304	True	1.08
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	2.57	472800	71364	0.444	88.7	0.755	808	True	1.38
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	2.57	462400	394012	2.504	100.2	0.852	4407	True	1.37
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	2.57	365900	704186	5.656	113.1	0.962	8010	True	1.04
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	2.58	405200	1695551	12.300	98.4	0.837	17429	True	1.53
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	2.58	399900	3378087	24.832	99.3	0.845	35779	True	1.36
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	2.57	386000	6987569	53.207	106.4	0.905	76169	True	1.05
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	2.60	376700	6483231	50.586	80.9	0.688	63565	True	0.88

Analyte Name: PFHpA
Regression Equation: Y = 0.851 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.034 Avg. RF = 0.851 RSD = 9.969 RSE = 9.969
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS08	Ical Ref	: ICAL21783
Calibration dates	: 12/16/24 15:07 12/16/24 16:18		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

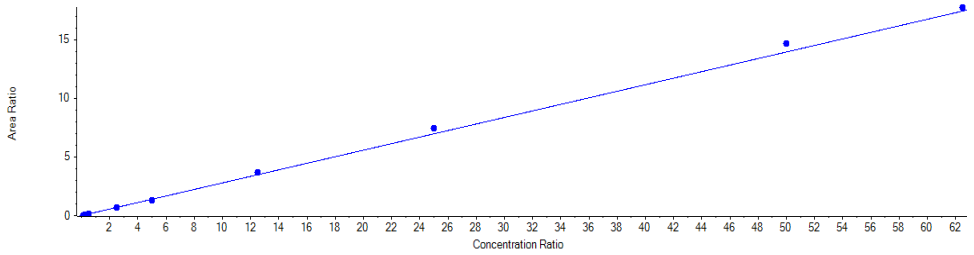
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Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	3.06	477200	12145	0.091	91.3	0.636	76	True	0.14
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	3.07	422500	25424	0.216	107.9	0.752	180	True	0.16
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	3.06	538000	69456	0.463	92.6	0.645	324	True	0.19
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	3.06	525900	346103	2.361	94.4	0.658	564	True	0.17
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	3.06	438100	576641	4.721	94.4	0.658	636	True	0.18
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	3.07	456600	1678929	13.189	105.5	0.735	719	True	0.15
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	3.07	463800	3454001	26.716	106.9	0.745	688	True	0.18
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	3.06	459300	6733835	52.590	105.2	0.733	735	True	0.18
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	3.08	433800	7692505	63.604	101.8	0.709	720	True	0.15

Analyte Name: PFOA
Regression Equation: Y = 0.697 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.019 Avg. RF = 0.697 RSD = 6.734 RSE = 6.734
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS08	Ical Ref	: ICAL21783
Calibration dates	: 12/16/24 15:07 12/16/24 16:18		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

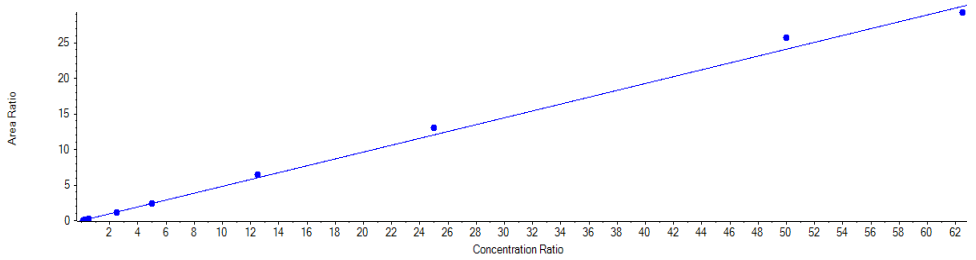
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Last Altered: 12/16/2024 8:34:29 PM
Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	3.52	234700	10155	0.090	89.8	0.541	66	True	0.16
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	3.52	208700	21188	0.211	105.4	0.634	151	True	0.16
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	3.52	262700	57442	0.454	90.8	0.547	284	True	0.19
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	3.51	271200	303766	2.325	93.0	0.560	524	True	0.17
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	3.51	208000	504195	5.031	100.6	0.606	578	True	0.19
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	3.52	218800	1420670	13.480	107.8	0.649	782	True	0.18
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	3.52	226300	2961147	27.168	108.7	0.654	813	True	0.17
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	3.51	227500	5848365	53.367	106.7	0.643	883	True	0.17
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	3.54	213500	6244388	60.712	97.1	0.585	731	True	0.17

Analyte Name: PFNA
Regression Equation: Y = 0.602 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.036 Avg. RF = 0.602 RSD = 7.557 RSE = 7.557
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS08	Ical Ref	: ICAL21783
Calibration dates	: 12/16/24 15:07 12/16/24 16:18		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

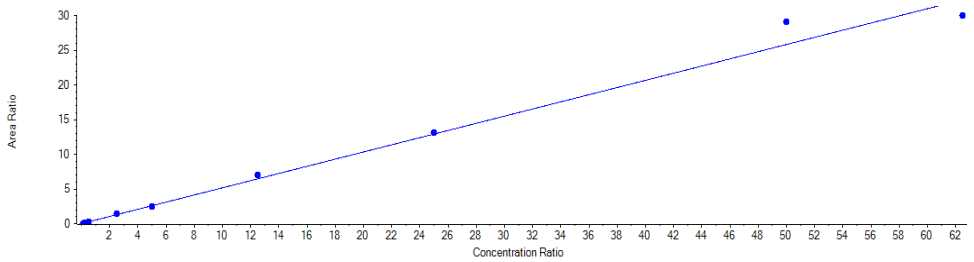
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Last Altered: 12/16/2024 8:34:29 PM
Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	3.95	304600	13512	0.086	85.9	0.555	124	True	0.78
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	3.96	262500	26979	0.199	99.5	0.642	290	True	1.13
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	3.96	356900	87362	0.474	94.8	0.612	861	True	1.16
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	3.95	339300	465283	2.656	106.2	0.686	3052	True	1.08
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	3.95	268600	673583	4.857	97.1	0.627	6440	True	1.17
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	3.96	271900	1907282	13.583	108.7	0.701	4745	True	1.07
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	3.96	288400	3791407	25.457	101.8	0.657	4774	True	0.96
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	3.94	263300	7679026	56.472	112.9	0.729	70230	True	0.95
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	3.97	307500	9226484	58.111	93.0	0.600	90782	True	1.04

Analyte Name: PFDA
Regression Equation: Y = 0.646 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.044 Avg. RF = 0.646 RSD = 8.427 RSE = 8.427
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS08	Ical Ref	: ICAL21783
Calibration dates	: 12/16/24 15:07 12/16/24 16:18		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

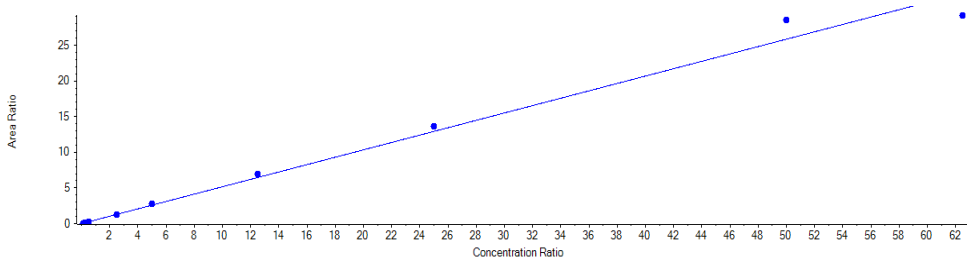
Alpha Analytical Inc.
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Last Altered: 12/16/2024 8:34:29 PM
Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	4.37	318800	15053	0.091	91.3	0.590	172	True	0.95
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	4.38	294600	27956	0.184	91.8	0.593	292	True	1.46
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	4.38	364300	87859	0.466	93.3	0.603	996	True	0.89
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	4.37	371900	491284	2.555	102.2	0.661	2553	True	1.22
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	4.37	284200	791334	5.386	107.7	0.696	8908	True	1.22
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	4.38	306700	2126284	13.411	107.3	0.693	23628	True	1.22
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	4.38	303800	4152271	26.433	105.7	0.683	45639	True	1.20
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	4.37	290400	8286921	55.194	110.4	0.713	89651	True	1.48
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	4.39	286900	8371221	56.429	90.3	0.583	61673	True	1.31

Analyte Name: PFUnA
Regression Equation: Y = 0.646 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.043 Avg. RF = 0.646 RSD = 8.222 RSE = 8.222
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS08	Ical Ref	: ICAL21783
Calibration dates	: 12/16/24 15:07 12/16/24 16:18		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

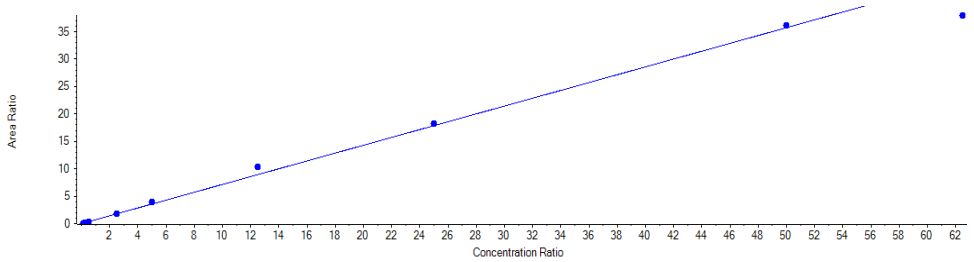
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Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	4.79	250500	16018	0.089	89.5	0.799	197	True	1.14
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	4.80	218700	32444	0.208	103.8	0.927	407	True	0.92
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	4.79	291400	97952	0.470	94.1	0.840	1296	True	0.93
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	4.79	305800	537687	2.461	98.4	0.879	7027	True	0.92
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	4.78	230600	916323	5.562	111.2	0.994	11988	True	1.22
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	4.80	247100	2537996	14.376	115.0	1.027	34446	True	0.82
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	4.80	258400	4699516	25.450	101.8	0.909	6498	True	0.92
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	4.78	258900	9357708	50.583	101.2	0.904	116921	True	1.12
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	4.81	265000	10058832	53.120	85.0	0.759	40368	True	1.00

Analyte Name: PFDoA
Regression Equation: Y = 0.893 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.069 Avg. RF = 0.893 RSD = 9.643 RSE = 9.643
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS08	Ical Ref	: ICAL21783
Calibration dates	: 12/16/24 15:07 12/16/24 16:18		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

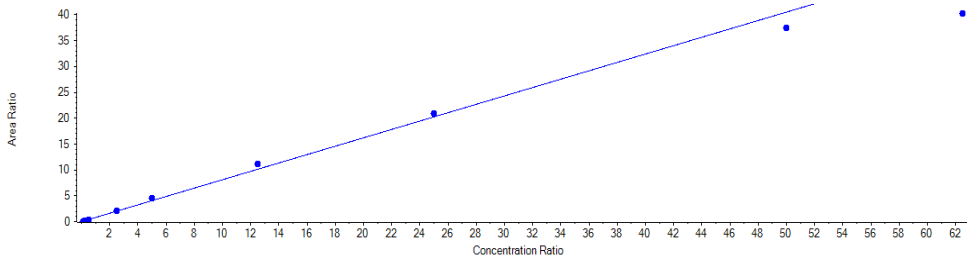
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Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	5.19	250500	17266	0.085	85.1	0.861	319	True	0.96
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	5.20	218700	39912	0.225	112.6	1.140	748	True	1.00
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	5.19	291400	120373	0.510	102.0	1.033	2206	True	1.32
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	5.19	305800	647414	2.614	104.5	1.059	11991	True	0.96
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	5.19	230600	1038291	5.559	111.2	1.126	18407	True	1.34
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	5.20	247100	2748008	13.729	109.8	1.112	51639	True	1.23
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	5.20	258400	5390943	25.750	103.0	1.043	96430	True	1.34
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	5.19	258900	9680019	46.152	92.3	0.935	56869	True	1.32
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	5.21	265000	10666159	49.681	79.5	0.805	43650	True	1.19

Analyte Name: PFTrDA
Regression Equation: Y = 1.013 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.096 Avg. RF = 1.013 RSD = 11.817 RSE = 11.817
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS08	Ical Ref	: ICAL21783
Calibration dates	: 12/16/24 15:07 12/16/24 16:18		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

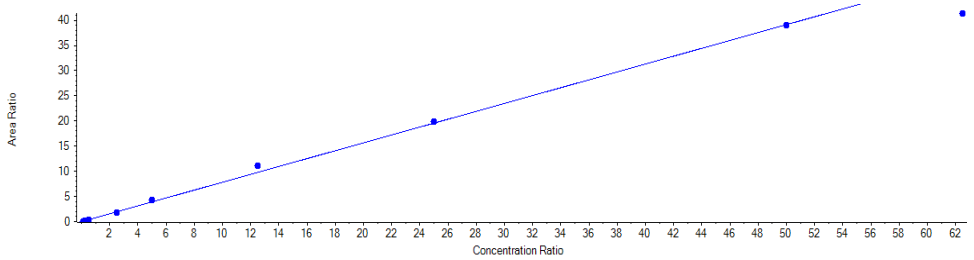
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Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	5.59	294400	20895	0.091	90.7	0.887	537	True	0.86
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	5.59	264400	46595	0.225	112.6	1.101	1212	True	1.14
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	5.59	352000	130491	0.474	94.7	0.927	3267	True	1.22
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	5.58	353900	653067	2.357	94.3	0.923	7969	True	0.95
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	5.58	264600	1116543	5.392	107.8	1.055	27620	True	0.89
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	5.59	300500	3342386	14.212	113.7	1.112	85734	True	0.96
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	5.59	309800	6173380	25.460	101.8	0.996	18697	True	0.95
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	5.58	299800	11711666	49.902	99.8	0.977	24241	True	0.93
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	5.61	294200	12170417	52.842	84.6	0.827	12285	True	1.07

Analyte Name: PFTeDA
Regression Equation: Y = 0.978 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.078 Avg. RF = 0.978 RSD = 9.977 RSE = 9.977
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS08	Ical Ref	: ICAL21783
Calibration dates	: 12/16/24 15:07 12/16/24 16:18		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

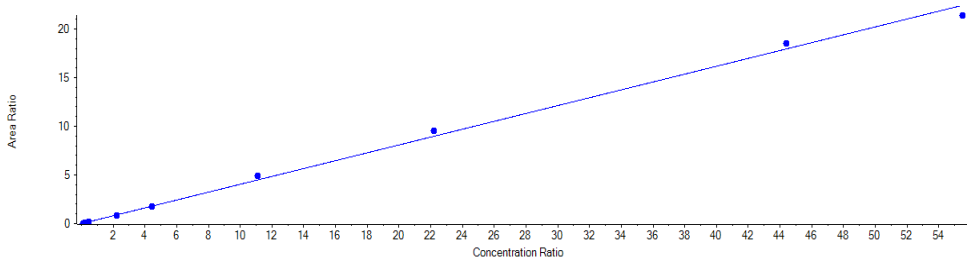
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Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	2.01	500400	15862	0.078	88.1	0.830	204	True	1.16
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	2.01	450400	35506	0.195	109.5	1.032	435	True	1.09
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	2.01	552200	94487	0.423	95.3	0.898	1124	True	0.84
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	2.00	555000	470188	2.094	94.3	0.889	5485	True	1.03
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	2.00	456500	811079	4.392	98.9	0.932	9573	True	1.02
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	2.02	481600	2359501	12.111	109.1	1.028	29181	True	1.11
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	2.01	464300	4443544	23.658	106.6	1.004	51449	True	1.24
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	2.01	447300	8270890	45.711	103.0	0.970	92397	True	1.23
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	2.03	441900	9457489	52.907	95.3	0.899	24046	True	1.12

Analyte Name: PFBS
Regression Equation: Y = 0.943 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.030 Avg. RF = 0.943 RSD = 7.462 RSE = 7.462
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS08	Ical Ref	: ICAL21783
Calibration dates	: 12/16/24 15:07 12/16/24 16:18		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

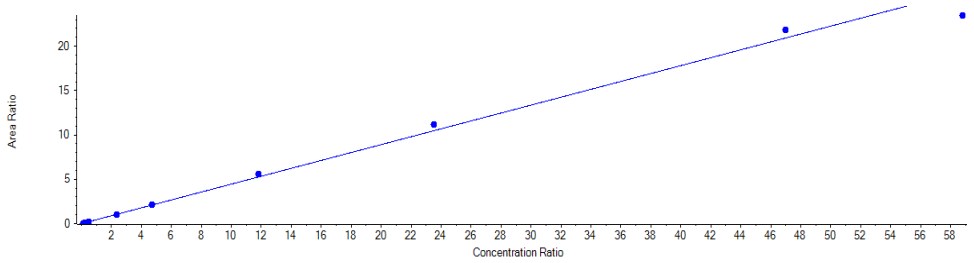
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Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	2.65	407900	17130	0.094	100.3	1.059	172	True	1.37
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	2.66	365200	31019	0.191	101.4	1.071	311	True	1.05
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	2.65	485300	92738	0.429	91.3	0.964	929	True	1.19
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	2.64	460400	472097	2.302	98.0	1.034	3841	True	1.17
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	2.65	388800	832797	4.809	102.3	1.080	7069	True	0.92
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	2.66	421700	2342448	12.472	105.7	1.116	7339	True	1.32
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	2.66	417500	4678566	25.163	107.1	1.130	6462	True	1.14
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	2.65	396800	8662619	49.012	104.3	1.101	85467	True	1.37
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	2.67	410500	9635071	52.692	89.6	0.946	11248	True	1.35

Analyte Name: PFPeS
Regression Equation: Y = 1.056 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.027 Avg. RF = 1.056 RSD = 6.086 RSE = 6.086
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS08	Ical Ref	: ICAL21783
Calibration dates	: 12/16/24 15:07 12/16/24 16:18		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

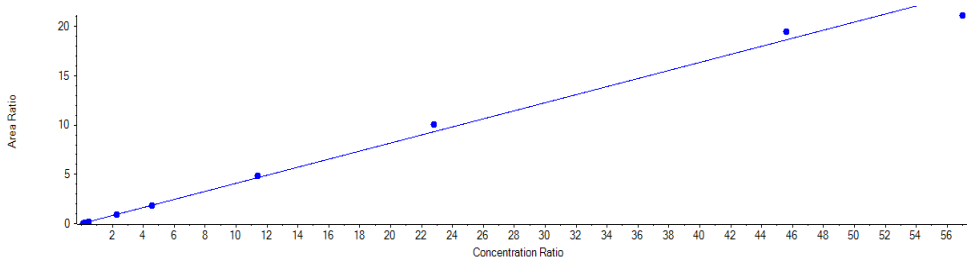
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Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	3.18	407900	14393	0.086	94.8	0.919	148	True	1.27
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	3.19	365200	30914	0.207	113.7	1.102	312	True	0.23
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	3.18	485300	82365	0.415	91.0	0.882	607	True	0.21
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	3.18	460400	404835	2.149	94.3	0.914	902	True	0.19
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	3.18	388800	724341	4.554	99.9	0.968	977	True	0.20
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	3.19	421700	2046531	11.863	104.1	1.009	1021	True	0.20
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	3.19	417500	4188165	24.523	107.6	1.043	1123	True	0.19
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	3.18	396800	7713016	47.510	104.2	1.010	1039	True	0.20
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	3.20	410500	8674355	51.646	90.6	0.879	1026	True	0.20

Analyte Name: PFHxS
Regression Equation: Y = 0.970 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.033 Avg. RF = 0.970 RSD = 7.970 RSE = 7.970
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS08	Ical Ref	: ICAL21783
Calibration dates	: 12/16/24 15:07 12/16/24 16:18		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

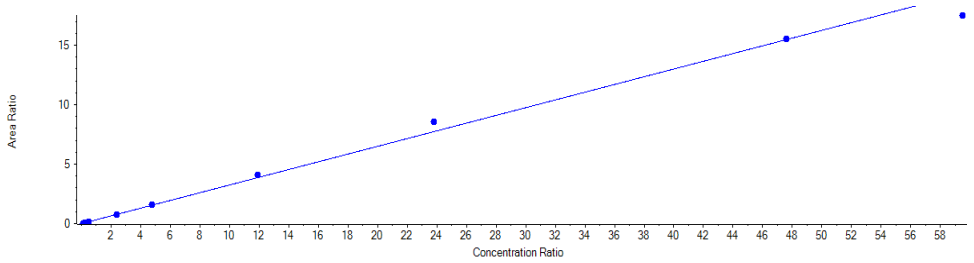
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Last Altered: 12/16/2024 8:34:29 PM
Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	3.66	526100	16638	0.097	102.4	0.799	169	True	1.00
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	3.67	474500	29721	0.193	101.4	0.791	327	True	1.17
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	3.67	611000	87498	0.440	92.5	0.722	903	True	1.32
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	3.66	619500	458265	2.275	95.6	0.746	4768	True	1.07
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	3.66	493000	768768	4.796	100.8	0.786	7503	True	1.20
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	3.67	541200	2213699	12.579	105.7	0.825	22764	True	1.20
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	3.67	508400	4350581	26.319	110.6	0.863	8683	True	1.03
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	3.66	513000	7983889	47.865	100.6	0.785	8392	True	0.99
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	3.68	508900	8909941	53.848	90.5	0.706	89517	True	1.16

Analyte Name: PFHpS
Regression Equation: Y = 0.780 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.021 Avg. RF = 0.780 RSD = 6.312 RSE = 6.312
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS08	Ical Ref	: ICAL21783
Calibration dates	: 12/16/24 15:07 12/16/24 16:18		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

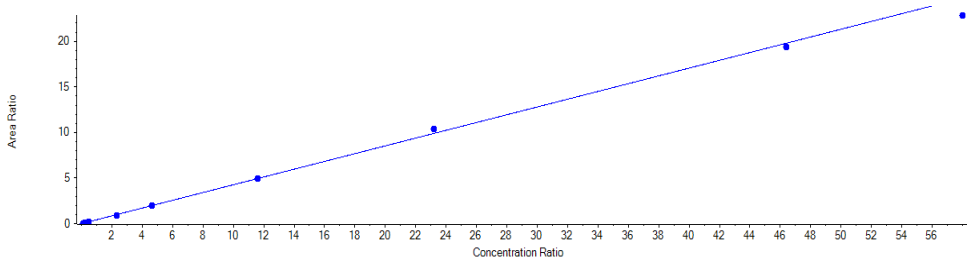
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Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_EPA1633_ICAL

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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	4.11	526100	22753	0.101	109.0	1.116	109	True	0.16
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	4.12	474500	43877	0.217	116.5	1.193	161	True	0.16
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	4.12	611000	107474	0.412	88.9	0.910	335	True	0.15
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	4.11	619500	562943	2.130	91.8	0.940	516	True	0.15
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	4.11	493000	959996	4.564	98.4	1.007	525	True	0.15
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	4.12	541200	2696034	11.675	100.7	1.031	596	True	0.14
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	4.12	508400	5275591	24.323	104.8	1.074	608	True	0.15
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	4.11	513000	9916344	45.308	97.7	1.000	568	True	0.14
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	4.14	508900	11622415	53.532	92.3	0.945	553	True	0.15

Analyte Name: PFOS
Regression Equation: Y = 1.024 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.038 Avg. RF = 1.024 RSD = 8.926 RSE = 8.926
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS08	Ical Ref	: ICAL21783
Calibration dates	: 12/16/24 15:07 12/16/24 16:18		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

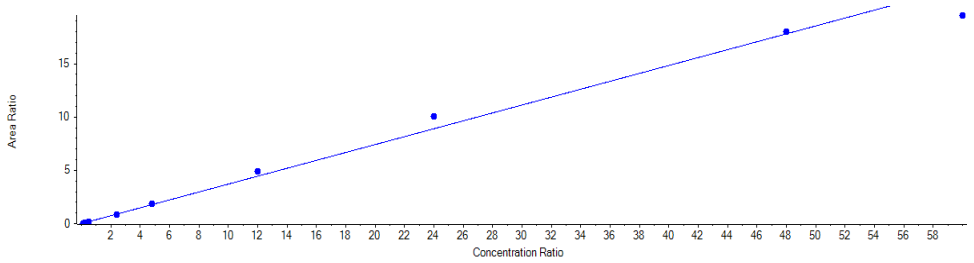
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Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	4.55	526100	16474	0.084	87.9	0.783	216	True	1.16
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	4.56	474500	34871	0.198	103.2	0.919	477	True	1.05
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	4.55	611000	103822	0.458	95.4	0.850	1446	True	1.31
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	4.54	619500	531753	2.313	96.4	0.858	6686	True	1.28
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	4.54	493000	921603	5.038	105.0	0.935	5715	True	1.27
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	4.55	541200	2653763	13.214	110.1	0.981	7371	True	1.28
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	4.55	508400	5129287	27.191	113.3	1.009	7191	True	0.96
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	4.54	513000	9232425	48.501	101.0	0.900	6913	True	1.09
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	4.57	508900	9940911	52.645	87.7	0.781	7659	True	1.23

Analyte Name: PFNS
Regression Equation: Y = 0.891 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.033 Avg. RF = 0.891 RSD = 8.982 RSE = 8.982
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS08	Ical Ref	: ICAL21783
Calibration dates	: 12/16/24 15:07 12/16/24 16:18		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

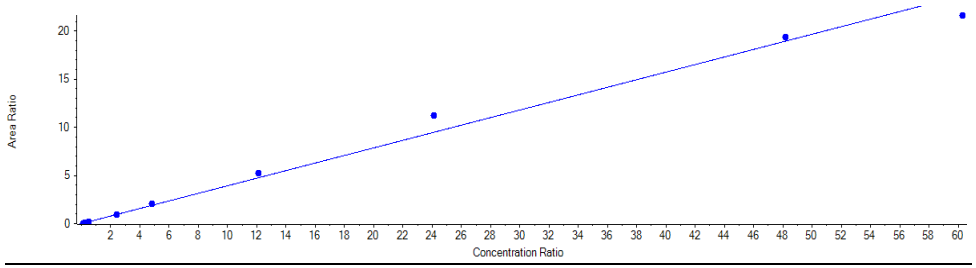
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Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_EPA1633_ICAL

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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	4.97	526100	16994	0.082	85.5	0.808	293	True	1.24
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	4.97	474500	34961	0.187	97.1	0.916	604	True	1.34
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	4.97	611000	106752	0.444	92.2	0.870	1848	True	1.25
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	4.96	619500	565745	2.321	96.3	0.909	7576	True	0.91
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	4.96	493000	1008935	5.203	107.9	1.019	5593	True	1.26
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	4.97	541200	2822054	13.254	109.5	1.034	10133	True	1.25
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	4.97	508400	5696002	28.482	118.2	1.116	93952	True	1.34
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	4.96	513000	9934637	49.229	102.1	0.964	164036	True	1.18
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	4.98	508900	11002274	54.961	91.2	0.861	140520	True	1.18

Analyte Name: PFDS
Regression Equation: Y = 0.944 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.041 Avg. RF = 0.944 RSD = 10.372 RSE = 10.372
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS08	Ical Ref	: ICAL21783
Calibration dates	: 12/16/24 15:07 12/16/24 16:18		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

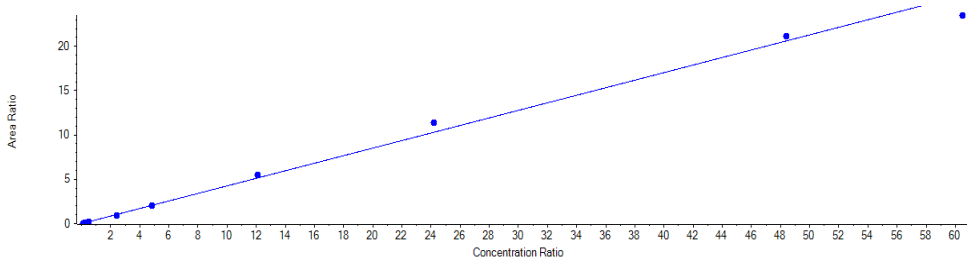
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Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_EPA1633_ICAL

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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	5.75	526100	19793	0.088	91.1	0.931	642	True	1.44
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	5.76	474500	42959	0.213	109.6	1.120	1427	True	0.92
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	5.75	611000	117880	0.453	93.6	0.957	4130	True	1.05
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	5.75	619500	596911	2.263	93.5	0.956	19419	True	0.78
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	5.75	493000	1025336	4.884	100.9	1.031	33393	True	1.34
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	5.76	541200	2986802	12.959	107.1	1.095	27718	True	0.81
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	5.76	508400	5785911	26.726	110.4	1.129	22117	True	0.80
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	5.74	513000	10851051	49.672	102.6	1.049	24373	True	0.88
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	5.77	508900	11947863	55.135	91.1	0.931	21696	True	1.00

Analyte Name: PFDoS
Regression Equation: Y = 1.022 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.034 Avg. RF = 1.022 RSD = 7.910 RSE = 7.910
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS08	Ical Ref	: ICAL21783
Calibration dates	: 12/16/24 15:07 12/16/24 16:18		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

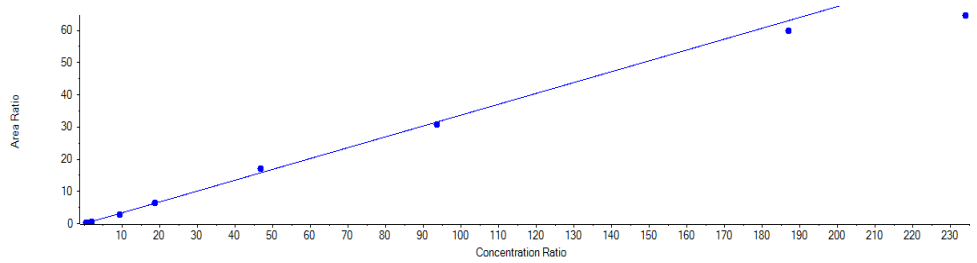
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Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_EPA1633_ICAL

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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	1.77	89270	12974	0.431	115.0	1.818	242	True	1.26
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	1.77	79710	22321	0.831	110.8	1.751	431	True	1.15
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	1.77	93880	57059	1.804	96.5	1.524	1099	True	0.98
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	1.77	99990	293014	8.696	92.8	1.467	5644	True	1.14
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	1.77	79760	514951	19.159	102.5	1.619	4683	True	1.11
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	1.78	84500	1450106	50.926	108.6	1.716	10038	True	1.28
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	1.77	96460	2955628	90.926	97.0	1.534	56909	True	1.37
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	1.77	98180	5873625	177.528	94.9	1.500	17363	True	1.36
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	1.79	102900	6651966	191.750	81.9	1.295	12844	True	1.18

Analyte Name: 4:2FTS
Regression Equation: Y = 1.580 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.035 Avg. RF = 1.580 RSD = 10.284 RSE = 10.284
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS08	Ical Ref	: ICAL21783
Calibration dates	: 12/16/24 15:07 12/16/24 16:18		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

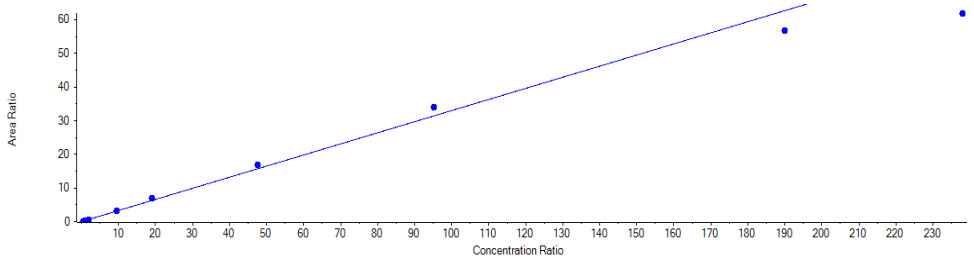
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Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_EPA1633_ICAL

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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	2.87	76890	9265	0.365	96.1	1.509	101	True	1.36
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	2.88	76740	19953	0.788	103.6	1.626	210	True	1.11
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	2.87	93470	58459	1.896	99.8	1.567	621	True	1.22
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	2.86	91500	297862	9.869	103.8	1.629	3379	True	1.17
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	2.87	76520	535353	21.210	111.6	1.753	5873	True	1.34
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	2.88	87110	1476650	51.389	108.0	1.695	12186	True	1.41
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	2.88	90000	3049554	102.725	108.0	1.696	8086	True	1.27
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	2.86	103700	5870949	171.705	90.4	1.419	10076	True	1.20
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	2.89	105000	6490826	187.438	78.8	1.237	18170	True	1.32

Analyte Name: 6:2FTS
Regression Equation: Y = 1.570 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.034 Avg. RF = 1.570 RSD = 10.302 RSE = 10.302
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS08	Ical Ref	: ICAL21783
Calibration dates	: 12/16/24 15:07 12/16/24 16:18		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

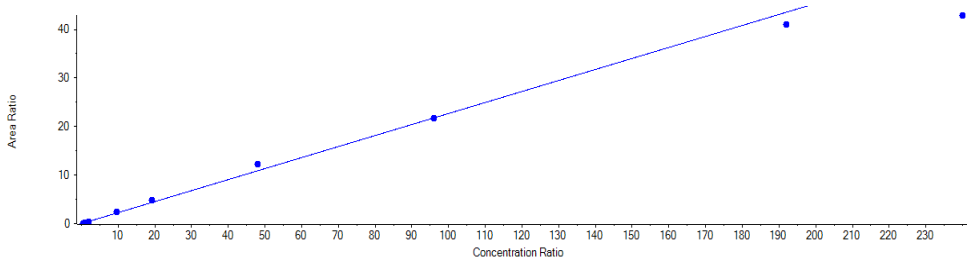
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Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_EPA1633_ICAL

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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	3.75	115300	8023	0.307	79.9	0.870	95	True	1.22
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	3.76	96520	18791	0.858	111.7	1.217	207	True	1.45
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	3.75	138500	62721	1.996	104.0	1.132	650	True	0.97
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	3.75	126700	294492	10.241	106.7	1.162	3058	True	1.32
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	3.75	103300	507765	21.664	112.8	1.229	5313	True	0.97
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	3.76	119900	1468969	53.981	112.5	1.225	14160	True	1.39
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	3.76	138200	2992258	95.460	99.4	1.083	8404	True	1.20
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	3.75	148500	6099029	181.047	94.3	1.027	8949	True	1.16
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	3.77	153900	6601334	189.034	78.8	0.858	14217	True	1.25

Analyte Name: 8:2FTS
Regression Equation: Y = 1.089 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.030 Avg. RF = 1.089 RSD = 13.264 RSE = 13.264
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS08	Ical Ref	: ICAL21783
Calibration dates	: 12/16/24 15:07 12/16/24 16:18		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

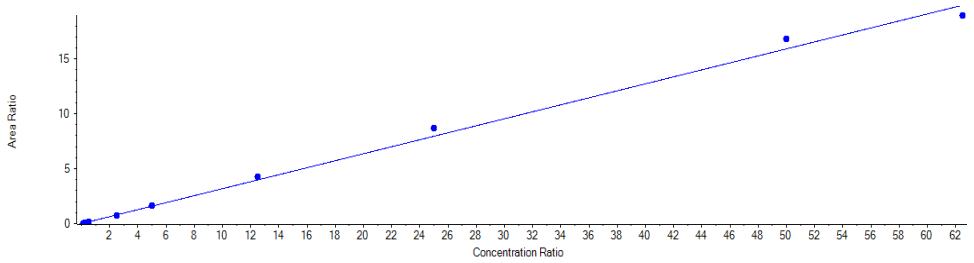
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Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	5.19	799600	23110	0.091	90.9	0.723	185	True	0.17
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	5.20	728300	47082	0.203	101.6	0.808	229	True	0.16
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	5.19	915400	131013	0.450	90.0	0.716	242	True	0.16
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	5.18	945900	720006	2.393	95.7	0.761	247	True	0.18
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	5.18	728100	1195852	5.164	103.3	0.821	270	True	0.18
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	5.20	767800	3304968	13.534	108.3	0.861	247	True	0.17
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	5.20	774700	6726206	27.296	109.2	0.868	237	True	0.18
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	5.18	749300	12604283	52.883	105.8	0.841	230	True	0.18
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	5.21	767200	14533793	59.562	95.3	0.758	239	True	0.18

Analyte Name: PFOSA
Regression Equation: Y = 0.795 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.023 Avg. RF = 0.795 RSD = 7.273 RSE = 7.273
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS08	Ical Ref	: ICAL21783
Calibration dates	: 12/16/24 15:07 12/16/24 16:18		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

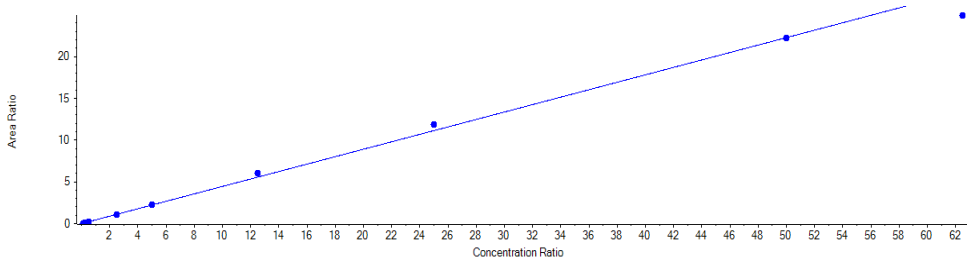
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Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_EPA1633_ICAL

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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	5.93	122400	4556	0.084	83.6	0.931	89	True	0.21
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	5.94	105800	10059	0.214	106.8	1.189	122	True	0.16
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	5.93	135100	30639	0.509	101.9	1.134	250	True	0.18
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	5.92	135200	149846	2.488	99.5	1.108	253	True	0.16
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	5.92	111400	255298	5.148	103.0	1.146	266	True	0.16
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	5.94	122700	745928	13.658	109.3	1.216	279	True	0.17
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	5.94	126000	1495402	26.647	106.6	1.186	291	True	0.17
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	5.92	131500	2922265	49.923	99.9	1.111	288	True	0.18
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	5.95	133300	3319630	55.954	89.5	0.996	267	True	0.20

Analyte Name: NMeFOSA
Regression Equation: Y = 1.113 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.037 Avg. RF = 1.113 RSD = 8.410 RSE = 8.410
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS08	Ical Ref	: ICAL21783
Calibration dates	: 12/16/24 15:07 12/16/24 16:18		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

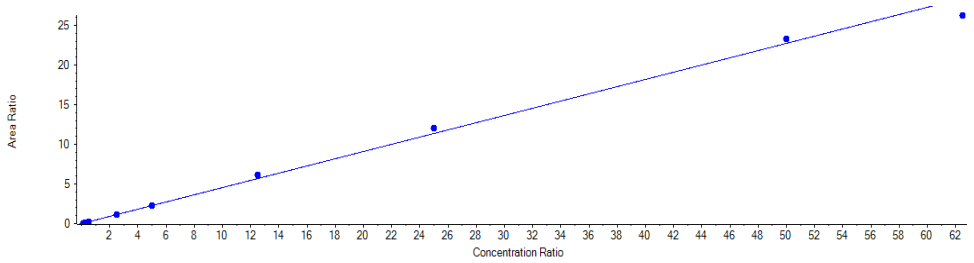
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Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_EPA1633_ICAL

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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	6.22	116900	4863	0.091	91.5	1.040	153	True	0.16
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	6.23	107800	9888	0.202	100.8	1.147	322	True	0.13
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	6.22	135800	29687	0.481	96.1	1.093	455	True	0.14
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	6.22	130800	149338	2.510	100.4	1.142	585	True	0.17
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	6.22	112100	260433	5.106	102.1	1.161	702	True	0.17
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	6.23	120200	740141	13.539	108.3	1.232	577	True	0.15
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	6.23	126900	1528402	26.487	106.0	1.205	593	True	0.15
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	6.22	129900	3027169	51.213	102.4	1.165	616	True	0.15
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	6.25	129300	3395439	57.737	92.4	1.051	671	True	0.16

Analyte Name: NEtFOSA
Regression Equation: Y = 1.137 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.026 Avg. RF = 1.137 RSD = 5.716 RSE = 5.716
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS08	Ical Ref	: ICAL21783
Calibration dates	: 12/16/24 15:07 12/16/24 16:18		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

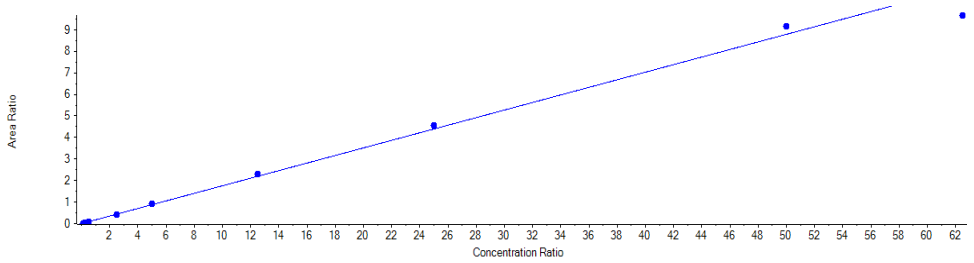
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Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_EPA1633_ICAL

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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	4.05	174200	3543	0.116	115.7	1.017	23	True	0.27
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	4.06	164000	5441	0.189	94.4	0.829	49	True	0.26
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	4.05	202500	15850	0.445	89.1	0.783	126	True	0.26
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	4.05	213100	90571	2.418	96.7	0.850	328	True	0.29
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	4.05	173200	156043	5.124	102.5	0.901	421	True	0.28
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	4.06	200800	466053	13.207	105.7	0.929	534	True	0.28
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	4.06	213100	971596	25.937	103.8	0.912	548	True	0.28
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	4.04	215100	1971325	52.144	104.3	0.917	580	True	0.28
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	4.07	233800	2259947	54.981	88.0	0.773	587	True	0.28

Analyte Name: NMeFOSAA
Regression Equation: Y = 0.879 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.016 Avg. RF = 0.879 RSD = 8.841 RSE = 8.841
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS08	Ical Ref	: ICAL21783
Calibration dates	: 12/16/24 15:07 12/16/24 16:18		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

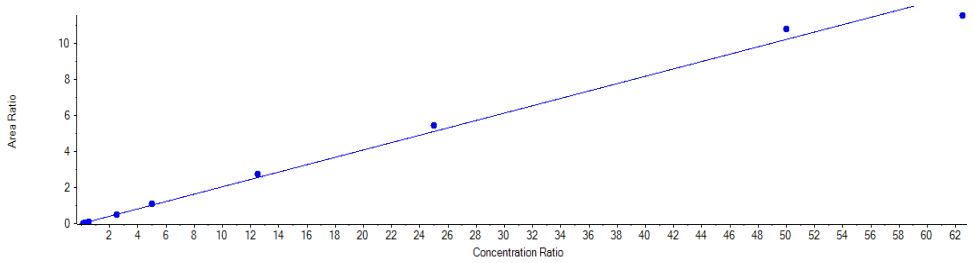
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Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	4.26	158000	3471	0.107	107.3	1.098	32	True	0.51
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	4.27	145400	5643	0.190	94.8	0.971	52	True	0.29
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	4.27	186500	15848	0.415	83.0	0.850	132	True	0.33
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	4.26	182300	91304	2.445	97.8	1.002	372	True	1.08
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	4.26	146200	158724	5.303	106.1	1.086	361	True	1.22
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	4.27	162200	450467	13.558	108.5	1.111	534	True	1.18
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	4.27	172000	939923	26.689	106.8	1.093	531	True	1.19
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	4.26	171700	1853451	52.725	105.5	1.080	525	True	0.30
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	4.28	183400	2121615	56.500	90.4	0.926	514	True	1.18

Analyte Name: NEtFOSAA
Regression Equation: Y = 1.024 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.018 Avg. RF = 1.024 RSD = 9.012 RSE = 9.012
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS08	Ical Ref	: ICAL21783
Calibration dates	: 12/16/24 15:07 12/16/24 16:18		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

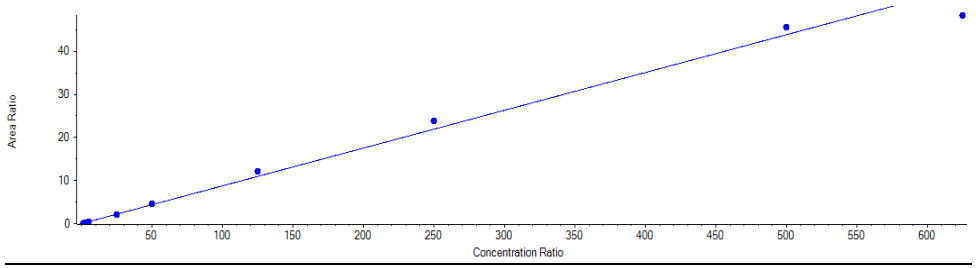
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Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	5.79	862700	69917	0.924	92.4	2.026	142	True	0.19
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	5.80	792800	140019	2.014	100.7	2.208	151	True	0.16
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	5.79	985700	408375	4.724	94.5	2.072	190	True	0.16
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	5.79	998000	2122254	24.249	97.0	2.127	176	True	0.20
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	5.78	808500	3712386	52.359	104.7	2.296	189	True	0.20
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	5.80	882100	10670177	137.937	110.4	2.419	192	True	0.16
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	5.80	895300	21259802	270.779	108.3	2.375	183	True	0.16
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	5.78	892700	40663981	519.407	103.9	2.278	174	True	0.17
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	5.81	952700	46029996	550.922	88.2	1.933	176	True	0.18

Analyte Name: NMeFOSE
Regression Equation: Y = 2.192 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.007 Avg. RF = 2.192 RSD = 7.512 RSE = 7.512
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS08	Ical Ref	: ICAL21783
Calibration dates	: 12/16/24 15:07 12/16/24 16:18		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

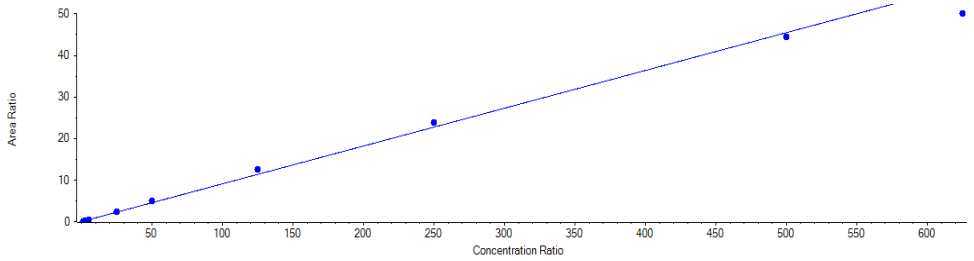
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Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	6.09	1085000	90068	0.913	91.3	2.076	184	True	0.15
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	6.10	976400	186022	2.095	104.7	2.381	304	True	0.16
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	6.09	1201000	524255	4.802	96.0	2.183	395	True	0.17
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	6.09	1193000	2720890	25.074	100.3	2.280	400	True	0.15
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	6.09	982000	4805021	53.804	107.6	2.447	382	True	0.15
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	6.10	1098000	13725656	137.404	109.9	2.499	406	True	0.18
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	6.10	1137000	27015584	261.181	104.5	2.375	385	True	0.17
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	6.09	1146000	50808216	487.603	97.5	2.217	390	True	0.17
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	6.11	1154000	57804640	550.713	88.1	2.003	335	True	0.16

Analyte Name: NEtFOSE
Regression Equation: Y = 2.274 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.007 Avg. RF = 2.274 RSD = 7.397 RSE = 7.397
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS08	Ical Ref	: ICAL21783
Calibration dates	: 12/16/24 15:07 12/16/24 16:18		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

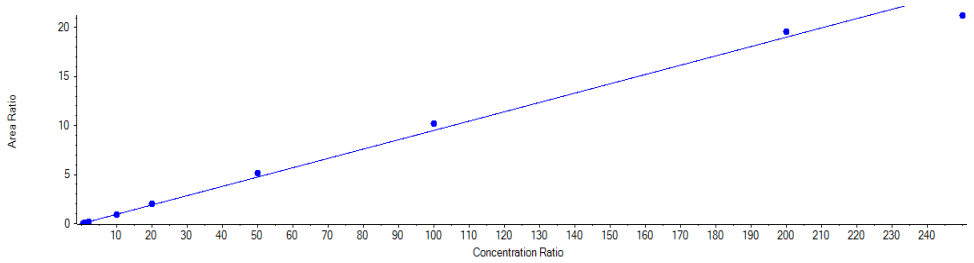
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Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_EPA1633_ICAL

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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	2.21	1272000	41763	0.345	86.3	0.821	486	True	1.10
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	2.22	1073000	86725	0.850	106.2	1.010	1023	True	0.89
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	2.21	1396000	247380	1.863	93.1	0.886	2865	True	1.00
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	2.21	1356000	1288746	9.990	99.9	0.950	4255	True	1.12
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	2.21	1107000	2236516	21.246	106.2	1.010	6294	True	1.18
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	2.22	1161000	6006148	54.383	108.8	1.034	10488	True	1.28
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	2.22	1139000	11590511	107.018	107.0	1.018	128759	True	0.98
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	2.21	1026000	20130434	206.211	103.1	0.981	5491	True	1.34
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	2.23	1052000	22333369	223.324	89.3	0.850	244665	True	1.21

Analyte Name: HFPO-DA
Regression Equation: Y = 0.951 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.008 Avg. RF = 0.951 RSD = 8.371 RSE = 8.371
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS08	Ical Ref	: ICAL21783
Calibration dates	: 12/16/24 15:07 12/16/24 16:18		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

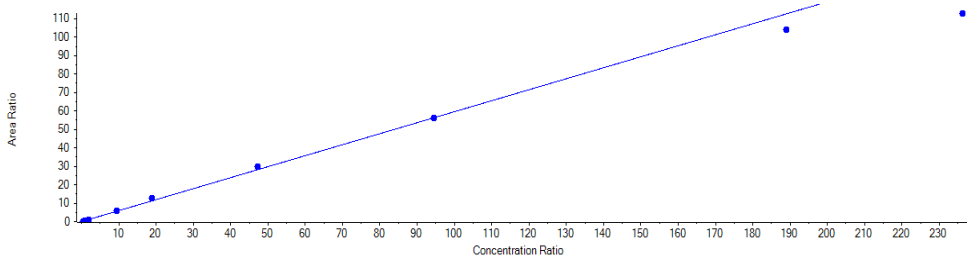
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Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_EPA1633_ICAL

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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	2.75	405800	91018	0.376	99.6	1.483	1039	True	1.03
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	2.76	361300	182930	0.850	112.4	1.674	2055	True	1.19
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	2.75	472800	519379	1.844	97.5	1.453	4521	True	0.97
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	2.75	462400	2619991	9.508	100.6	1.499	5935	True	0.96
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	2.75	365900	4636302	21.263	112.5	1.676	6787	True	1.03
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	2.76	405200	12002764	49.713	105.2	1.567	128771	True	1.10
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	2.76	399900	22460257	94.266	99.8	1.486	232190	True	1.04
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	2.75	386000	40111789	174.389	92.3	1.375	265840	True	1.03
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	2.77	376700	42503130	189.349	80.2	1.194	217897	True	1.07

Analyte Name: ADONA
Regression Equation: Y = 1.490 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.059 Avg. RF = 1.490 RSD = 9.985 RSE = 9.985
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS08	Ical Ref	: ICAL21783
Calibration dates	: 12/16/24 15:07 12/16/24 16:18		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

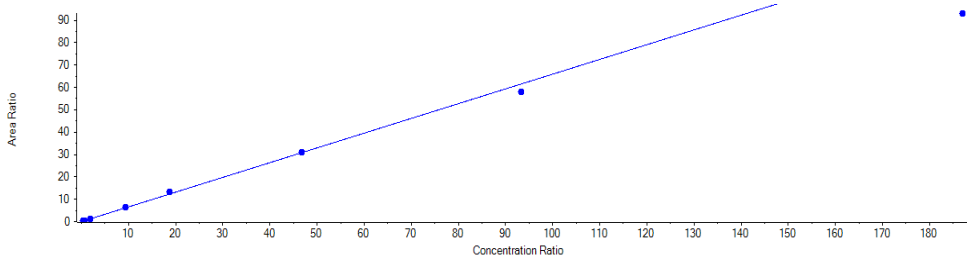
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Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_EPA1633_ICAL

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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	4.41	526100	130577	0.377	100.9	1.597	1520	True	0.88
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	4.42	474500	266567	0.852	114.2	1.808	3069	True	1.05
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	4.42	611000	778961	1.934	103.4	1.636	5599	True	1.10
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	4.41	619500	3921471	9.602	102.9	1.628	9416	True	0.97
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	4.41	493000	6588968	20.275	108.4	1.715	8889	True	1.00
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	4.42	541200	16724708	46.874	100.4	1.588	185267	True	0.99
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	4.42	508400	29457962	87.899	94.2	1.491	310197	True	1.02
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	4.41	513000	47731055	141.140	75.5	1.194	224678	True	1.27
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	N/A	508900	N/A	N/A	N/A	N/A	N/A	False	N/A

Analyte Name: 9Cl-PF3ONS
Regression Equation: Y = 1.582 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.076 Avg. RF = 1.582 RSD = 11.526 RSE = 11.526
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS08	Ical Ref	: ICAL21783
Calibration dates	: 12/16/24 15:07 12/16/24 16:18		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

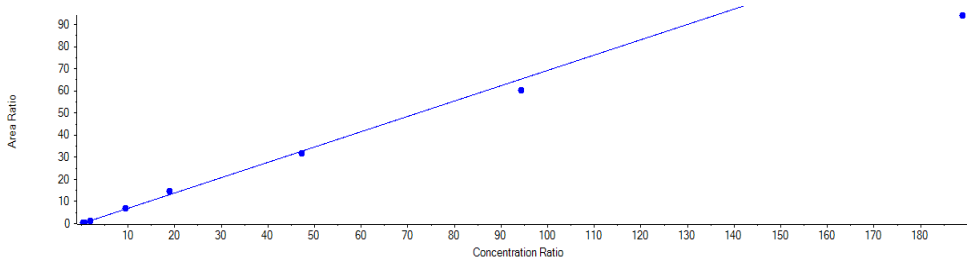
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Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_EPA1633_ICAL

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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	5.24	526100	140295	0.385	102.1	1.698	2466	True	1.34
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	5.25	474500	288207	0.877	116.3	1.934	3629	True	1.37
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	5.24	611000	825541	1.950	103.2	1.716	4779	True	1.31
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	5.24	619500	4258808	9.922	105.2	1.750	12027	True	0.96
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	5.24	493000	7207898	21.103	111.7	1.857	157917	True	0.89
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	5.25	541200	17200212	45.869	97.2	1.616	366600	True	1.19
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	5.25	508400	30727621	87.240	92.5	1.538	319027	True	1.28
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	5.24	513000	48275756	135.827	71.9	1.195	82870	True	0.91
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	N/A	508900	N/A	N/A	N/A	N/A	N/A	False	N/A

Analyte Name: 11Cl-PF3OUdS
Regression Equation: Y = 1.663 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.094 Avg. RF = 1.663 RSD = 13.618 RSE = 13.618
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS08	Ical Ref	: ICAL21783
Calibration dates	: 12/16/24 15:07 12/16/24 16:18		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

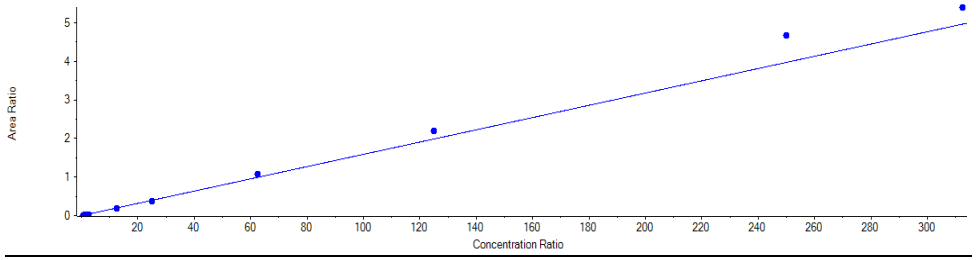
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Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_EPA1633_ICAL

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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	1.57	534700	4332	0.510	101.9	0.081	38	True	1.98
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	1.57	478400	6771	0.890	89.0	0.071	49	True	1.37
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	1.58	610700	19420	2.000	80.0	0.064	141	True	1.60
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	1.57	583600	103140	11.115	88.9	0.071	832	True	1.56
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	1.56	479400	182737	23.971	95.9	0.076	1338	True	1.29
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	1.58	504900	538737	67.108	107.4	0.085	2967	True	1.61
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	1.58	503700	1110101	138.612	110.9	0.088	3906	True	1.51
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	1.58	471600	2199548	293.315	117.3	0.093	5449	True	1.52
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	1.61	481500	2600084	339.626	108.7	0.086	6529	True	1.69

Analyte Name: 3:3FTCA
Regression Equation: Y = 0.079 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.002 Avg. RF = 0.079 RSD = 12.310 RSE = 12.310
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS08	Ical Ref	: ICAL21783
Calibration dates	: 12/16/24 15:07 12/16/24 16:18		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

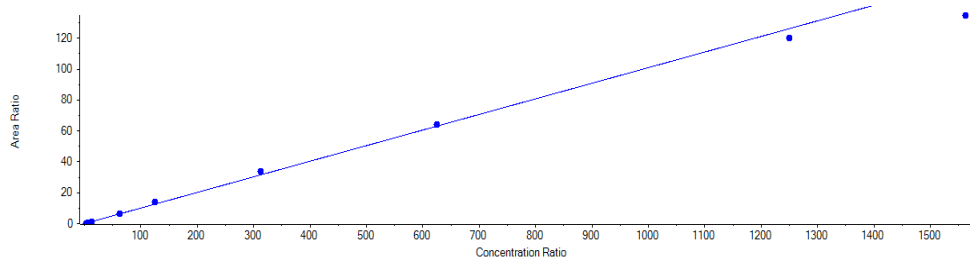
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Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_EPA1633_ICAL

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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	3.01	327700	75894	2.293	91.7	0.232	838	True	1.50
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	3.02	281900	160135	5.626	112.5	0.284	1606	True	1.22
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	3.02	368700	453538	12.180	97.4	0.246	4587	True	1.47
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	3.01	370600	2309975	61.726	98.8	0.249	3633	True	1.34
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	3.02	286700	3980680	137.474	110.0	0.278	39546	True	1.53
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	3.03	320000	10821486	334.843	107.2	0.271	108947	True	1.62
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	3.03	322900	20718635	635.300	101.7	0.257	36832	True	1.48
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	3.01	304800	36690982	1192.119	95.4	0.241	32324	True	1.47
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	3.04	299500	40360027	1334.399	85.4	0.216	22210	True	1.30

Analyte Name: 5:3FTCA
Regression Equation: Y = 0.252 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.009 Avg. RF = 0.252 RSD = 8.810 RSE = 8.810
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS08	Ical Ref	: ICAL21783
Calibration dates	: 12/16/24 15:07 12/16/24 16:18		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

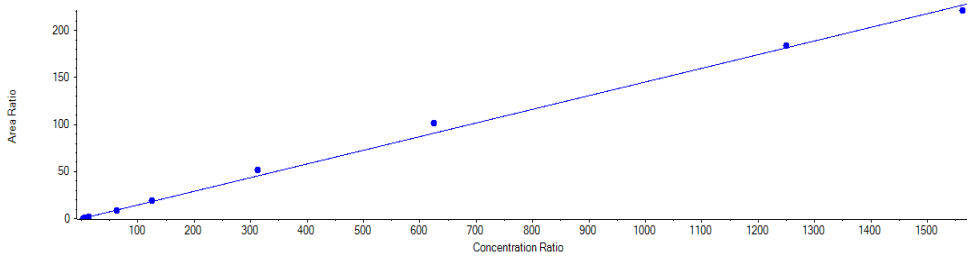
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Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	4.04	234700	70263	2.060	82.4	0.150	740	True	1.42
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	4.05	208700	154034	5.078	101.6	0.184	1433	True	1.69
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	4.04	262700	433102	11.345	90.8	0.165	4727	True	1.31
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	4.04	271200	2301988	58.402	93.4	0.170	24428	True	1.24
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	4.04	208000	4011274	132.674	106.1	0.193	34638	True	1.29
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	4.05	218800	11396053	358.393	114.7	0.208	34815	True	1.64
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	4.05	226300	23037809	700.553	112.1	0.204	24691	True	1.54
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	4.03	227500	41928375	1268.091	101.5	0.184	18986	True	1.56
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	4.06	213500	47270913	1523.306	97.5	0.177	13215	True	1.53

Analyte Name: 7:3FTCA
Regression Equation: Y = 0.182 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.015 Avg. RF = 0.182 RSD = 10.301 RSE = 10.301
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS08	Ical Ref	: ICAL21783
Calibration dates	: 12/16/24 15:07 12/16/24 16:18		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

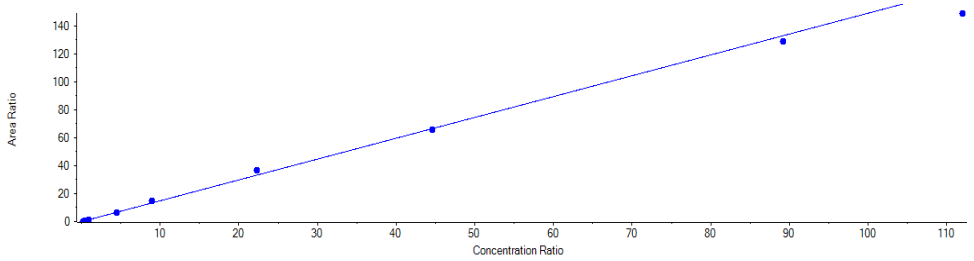
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Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	2.31	327700	82256	0.168	94.5	3.526	940	True	1.13
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	2.32	281900	156757	0.373	104.4	3.895	1731	True	1.30
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	2.32	368700	473012	0.860	96.4	3.595	4191	True	0.92
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	2.31	370600	2459359	4.448	99.7	3.720	7730	True	1.10
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	2.31	286700	4174629	9.759	109.4	4.081	8309	True	1.16
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	2.33	320000	11746550	24.603	110.3	4.115	131680	True	1.12
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	2.32	322900	21266346	44.141	99.0	3.691	228211	True	1.33
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	2.32	304800	39362017	86.570	97.1	3.620	409346	True	1.33
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	2.34	299500	44619349	99.859	89.2	3.325	51750	True	1.08

Analyte Name: PFEESA
Regression Equation: Y = 3.730 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.103 Avg. RF = 3.730 RSD = 6.937 RSE = 6.937
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS08	Ical Ref	: ICAL21783
Calibration dates	: 12/16/24 15:07 12/16/24 16:18		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

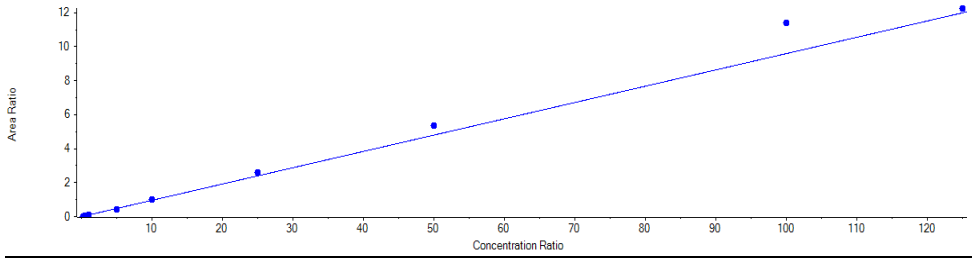
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Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_EPA1633_ICAL

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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	0.79	1255000	19793	0.164	82.2	0.789	961	True	1.23
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	0.79	1101000	41422	0.392	98.0	0.940	2010	True	1.37
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	0.79	1428000	116372	0.849	84.9	0.815	5503	True	1.38
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	0.79	1323000	590876	4.652	93.1	0.893	17413	True	1.43
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	0.79	1057000	1038569	10.240	102.4	0.983	29514	True	1.34
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	0.80	1100000	2837922	26.888	107.6	1.032	129400	True	1.13
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	0.80	1038000	5541658	55.614	111.2	1.067	49740	True	1.24
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	0.79	899000	10229424	118.569	118.6	1.138	26135	True	1.24
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	0.81	919700	11267415	127.666	102.1	0.980	33846	True	1.31

Analyte Name: PFMPA
Regression Equation: Y = 0.960 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.011 Avg. RF = 0.960 RSD = 11.915 RSE = 11.915
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS08	Ical Ref	: ICAL21783
Calibration dates	: 12/16/24 15:07 12/16/24 16:18		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

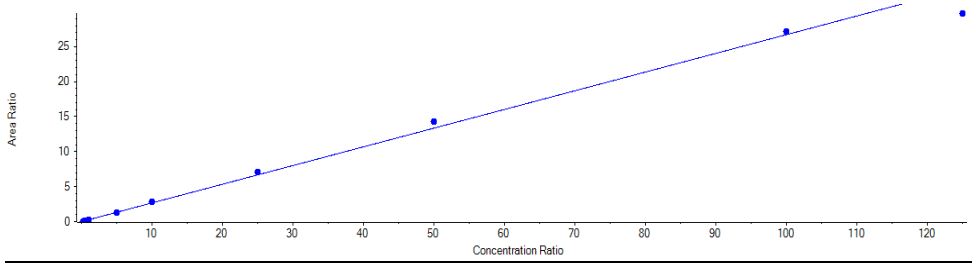
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Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	1.49	534700	26686	0.187	93.4	1.248	726	True	1.28
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	1.49	478400	53933	0.422	105.5	1.409	1427	True	1.15
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	1.49	610700	161710	0.991	99.1	1.324	4364	True	1.11
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	1.49	583600	735216	4.716	94.3	1.260	6850	True	1.23
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	1.48	479400	1339119	10.456	104.6	1.397	35186	True	1.16
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	1.50	504900	3563480	26.420	105.7	1.412	15045	True	0.96
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	1.49	503700	7169933	53.286	106.6	1.423	184159	True	1.28
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	1.49	471600	12819770	101.752	101.8	1.359	47075	True	1.03
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	1.51	481500	14321136	111.341	89.1	1.190	42924	True	1.18

Analyte Name: PFMBA
Regression Equation: Y = 1.336 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.017 Avg. RF = 1.336 RSD = 6.380 RSE = 6.380
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS08	Ical Ref	: ICAL21783
Calibration dates	: 12/16/24 15:07 12/16/24 16:18		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

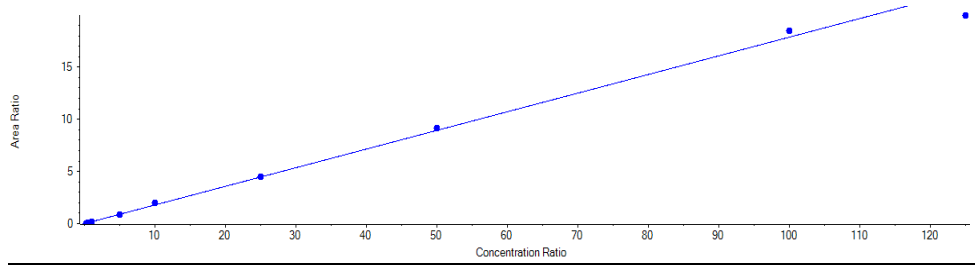
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Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_EPA1633_ICAL

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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	1.91	327700	11569	0.198	98.8	0.441	162	True	1.07
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	1.92	281900	21848	0.434	108.4	0.484	297	True	1.28
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	1.92	368700	61024	0.926	92.6	0.414	845	True	1.33
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	1.91	370600	314070	4.743	94.9	0.424	4575	True	1.05
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	1.91	286700	559110	10.912	109.1	0.487	8203	True	1.06
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	1.93	320000	1441895	25.214	100.9	0.451	9412	True	1.16
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	1.92	322900	2955896	51.222	102.4	0.458	22817	True	1.32
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	1.91	304800	5641074	103.578	103.6	0.463	14345	True	1.29
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	1.94	299500	5974693	111.634	89.3	0.399	11365	True	1.18

Analyte Name: NFDHA
Regression Equation: Y = 0.447 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.012 Avg. RF = 0.447 RSD = 6.807 RSE = 6.807
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS08	Ical Ref	: ICAL21783
Calibration dates	: 12/16/24 15:07 12/16/24 16:18		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

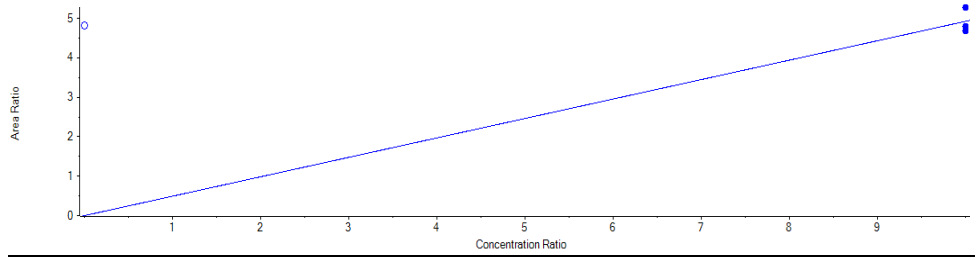
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Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	2.70	526100	2469116	9.529	95.3	1.126	10982	True	1.04
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	2.71	474500	2283095	9.769	N/A	N/A	8675	False	1.39
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	N/A	611000	N/A	N/A	N/A	N/A	N/A	False	N/A
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	N/A	619500	N/A	N/A	N/A	N/A	N/A	False	N/A
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	2.70	493000	2369932	9.760	97.6	1.154	11855	True	1.11
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	N/A	541200	N/A	N/A	N/A	N/A	N/A	False	N/A
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	N/A	508400	N/A	N/A	N/A	N/A	N/A	False	N/A
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	N/A	513000	N/A	N/A	N/A	N/A	N/A	False	N/A
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	2.72	508900	2684972	10.712	107.1	1.266	10159	True	1.49

Analyte Name: TDCA
Regression Equation: Y = 1.182 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.031 Avg. RF = 1.182 RSD = 6.270 RSE = 0.000
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS08	Ical Ref	: ICAL21783
Calibration dates	: 12/16/24 15:07 12/16/24 16:18		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

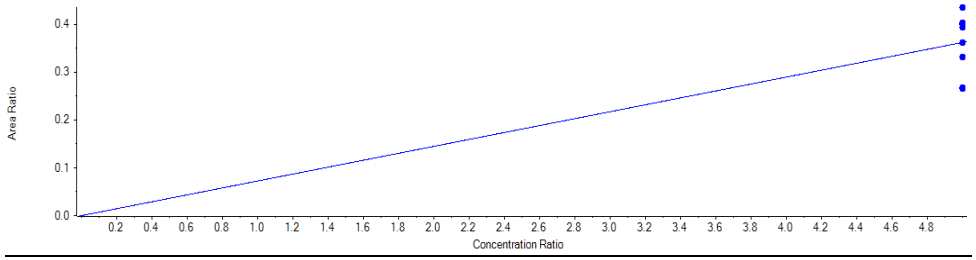
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Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_EPA1633_ICAL

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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	1.76	346800	136715	5.444	108.9	0.187	2655	True	1.39
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	1.76	325800	87011	3.689	73.8	0.127	1665	True	1.26
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	1.76	414000	166409	5.552	111.1	0.191	3322	True	1.03
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	1.76	392300	130155	4.583	91.7	0.157	2508	True	1.20
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	1.76	326900	86617	3.659	73.2	0.126	1704	True	1.15
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	1.77	366900	132735	4.997	100.0	0.172	2638	True	1.37
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	1.76	374700	150756	5.557	111.1	0.191	2921	True	0.95
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	1.76	355900	154834	6.009	120.2	0.206	2767	True	1.46
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	1.78	358900	143140	5.509	110.2	0.189	2659	True	1.27

Analyte Name: 13C2D4-4:2FTS
Regression Equation: Y = 0.172 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.012 Avg. RF = 0.172 RSD = 17.003 RSE = 0.000
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS08	Ical Ref	: ICAL21783
Calibration dates	: 12/16/24 15:07 12/16/24 16:18		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

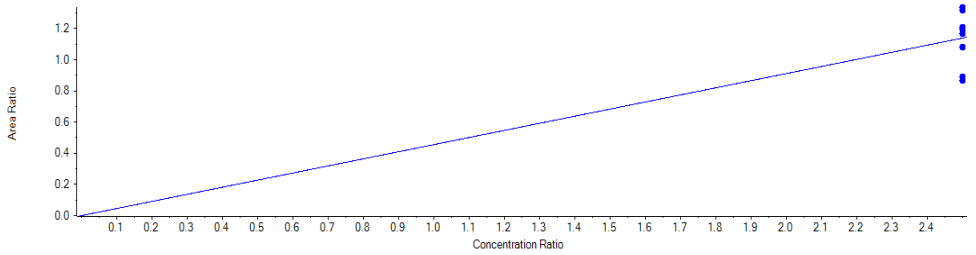
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Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	3.05	351400	419921	2.623	104.9	1.195	5088	True	1.03
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	3.06	300200	259896	1.901	76.0	0.866	3158	True	1.30
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	3.06	399400	533153	2.931	117.2	1.335	6441	True	1.09
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	3.05	396300	427406	2.367	94.7	1.078	5325	True	1.37
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	3.05	311100	276438	1.951	78.0	0.889	3327	True	1.46
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	3.07	374400	436265	2.558	102.3	1.165	3848	True	1.11
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	3.07	386500	466704	2.651	106.0	1.208	5646	True	1.01
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	3.05	380100	501152	2.894	115.8	1.319	5064	True	1.45
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	3.08	385100	460443	2.625	105.0	1.196	4851	True	1.07

Analyte Name: 13C2-PFOA
Regression Equation: Y = 1.139 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.067 Avg. RF = 1.139 RSD = 14.673 RSE = 0.000
Calibration type: Average RF



Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS08	Ical Ref	: ICAL21783
Calibration dates	: 12/16/24 15:07 12/16/24 16:18		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_11.wiff2
Last Altered: 12/16/2024 8:34:29 PM
Generated: 12/16/2024 4:06:13 PM

Method:	EPA-1633F															
ICAL:	ICAL															
Workgroup:	WG2009822															
Date:	12/16/2024															
															Verification Calc.	
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**			**AVG RF**	**RSD**
EIS	13C4-PFBA	1.157	1.154	1.177	1.122	1.136	1.11	1.11	1.113	1.169	1.139	2.308			1.139	2.313
EIS	13C5-PFPeA	0.772	0.762	0.793	0.765	0.777	0.737	0.737	0.719	0.729	0.755	3.322			0.755	3.308
EIS	13C5-PFHxA	0.946	0.898	0.957	0.972	0.93	0.934	0.945	0.929	0.906	0.935	2.495			0.935	2.492
EIS	13C4-PFHpA	1.172	1.151	1.228	1.213	1.186	1.183	1.17	1.176	1.14	1.180	2.32			1.180	2.332
EIS	13C8-PFOA	1.358	1.408	1.347	1.327	1.408	1.22	1.2	1.208	1.127	1.289	7.926			1.289	7.919
EIS	13C9-PFNA	1.057	1.053	1.006	1.037	0.987	0.921	0.957	1.026	0.895	0.993	5.853			0.993	5.850
EIS	13C6-PFDA	1.076	1.082	1.08	1.028	1.126	0.966	1.016	0.987	1.008	1.041	5.046			1.041	5.046
EIS	13C7-PFUnA	1.126	1.214	1.103	1.126	1.192	1.09	1.071	1.089	0.941	1.106	7.086			1.106	7.068
EIS	13C2-PFDoA	0.885	0.901	0.882	0.926	0.967	0.878	0.911	0.971	0.869	0.910	4.153			0.910	4.152
EIS	13C2-PFTeDA	1.04	1.09	1.065	1.072	1.11	1.068	1.092	1.124	0.964	1.069	4.365			1.069	4.382
EIS	13C3-PFBS	1.467	1.406	1.357	1.439	1.42	1.335	1.26	1.278	1.252	1.357	5.956			1.357	5.961
EIS	13C3-PFHxS	1.176	1.121	1.172	1.174	1.189	1.149	1.114	1.115	1.144	1.151	2.509			1.150	2.507
EIS	13C8-PFOS	1.335	1.314	1.367	1.293	1.325	1.262	1.219	1.317	1.322	1.306	3.314			1.306	3.320
EIS	13C2-4:2FTS	0.13	0.124	0.115	0.129	0.123	0.116	0.13	0.139	0.145	0.128	7.73			0.128	7.686
EIS	13C2-6:2FTS	0.11	0.117	0.112	0.116	0.117	0.118	0.12	0.145	0.146	0.122	10.893			0.122	11.020
EIS	13C2-8:2FTS	0.164	0.146	0.165	0.16	0.156	0.161	0.182	0.206	0.212	0.172	13.168			0.172	13.230
EIS	13C8-PFOSA	1.949	1.937	1.966	1.895	1.878	1.718	1.784	1.847	1.914	1.876	4.337			1.876	4.347
EIS	d3-NMeFOSA	0.298	0.281	0.29	0.271	0.287	0.275	0.29	0.324	0.332	0.294	7.149			0.294	7.109
EIS	d5-NEtFOSA	0.285	0.287	0.292	0.262	0.289	0.269	0.292	0.32	0.322	0.291	6.914			0.291	6.859
EIS	d3-NMeFOSAA	0.212	0.218	0.217	0.213	0.223	0.225	0.245	0.265	0.292	0.235	11.712			0.234	11.794
EIS	d5-NEtFOSAA	0.193	0.193	0.2	0.183	0.188	0.182	0.198	0.212	0.229	0.197	7.551			0.198	7.572
EIS	d7-NMeFOSE	0.21	0.211	0.212	0.2	0.209	0.197	0.206	0.22	0.238	0.211	5.62			0.211	5.686
EIS	d9-NEtFOSE	0.264	0.26	0.258	0.239	0.253	0.246	0.262	0.282	0.288	0.261	6.018			0.261	5.993
EIS	13C3-HFPO-DA	0.918	0.855	0.906	0.889	0.897	0.848	0.833	0.782	0.796	0.858	5.66			0.858	5.639
NIS	13C3-PFBA	1.099	0.967	1.229	1.195	0.943	1.004	0.948	0.818	0.797	1.000	15.055			1.000	15.069
NIS	13C2-PFHxA	1.012	0.918	1.126	1.115	0.902	1.002	0.999	0.96	0.966	1.000	7.781			1.000	7.773
NIS	13C4-PFOA	0.963	0.823	1.094	1.086	0.852	1.026	1.059	1.042	1.055	1.000	9.992			1.000	9.986
NIS	13C5-PFNA	0.957	0.855	1.125	1.127	0.908	1.024	1.019	0.956	1.029	1.000	9.136			1.000	9.138
NIS	13C2-PFDA	0.994	0.853	1.161	1.16	0.838	0.989	0.997	0.937	1.072	1.000	11.669			1.000	11.655
NIS	18O2-PFHxS	0.957	0.899	1.142	1.082	0.902	1.012	1.034	0.982	0.99	1.000	7.932			1.000	7.927
NIS	13C4-PFOS	0.965	0.884	1.095	1.174	0.912	1.051	1.021	0.954	0.943	1.000	9.364			1.000	9.364

Initial Calibration Summary
Form 6
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: LCMS08	Ical Ref	: ICAL21783
Calibration dates	: 12/16/24 15:07 12/16/24 16:18		

Initial Calibration Report

SCIEX OS Version 3.3.1.43

Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_11.wiff2
Last Altered: 12/16/2024 8:34:29 PM
Generated: 12/16/2024 4:06:13 PM

Analyte	Expected Ratio	Lower Limt	Upper Limt	NIS Analyte	AVG. NIS Area
PFBA	N/A	N/A	N/A	13C3-PFBA	493440
PFPeA	0.008	N/A	N/A	13C2-PFHxA	341971
PFHxA	0.084	0.042	0.126	13C4-PFOA	364928
PFHpA	0.404	0.202	0.606	13C5-PFNA	232014
PFOA	0.562	0.281	0.843	13C2-PFDA	284640
PFNA	0.462	0.231	0.693	18O2-PFHxS	362463
PFDA	0.264	0.132	0.396	13C4-PFOS	408188
PFUnA	0.204	0.102	0.306	N/A	N/A
PFDoA	0.194	0.097	0.291	N/A	N/A
PFTrDA	0.193	0.0965	0.2895	N/A	N/A
PFTeDA	0.163	0.0815	0.2445	N/A	N/A
PFBS	0.353	0.1765	0.5295	N/A	N/A
PFPeS	0.294	0.147	0.441	N/A	N/A
PFHxS	0.292	0.146	0.438	N/A	N/A
PFHpS	0.274	0.137	0.411	N/A	N/A
PFOS	0.223	0.1115	0.3345	N/A	N/A
PFNS	0.281	0.1405	0.4215	N/A	N/A
PFDS	0.267	0.1335	0.4005	N/A	N/A
PFDoS	0.225	0.1125	0.3375	N/A	N/A
4:2FTS	0.637	0.3185	0.9555	N/A	N/A
6:2FTS	0.571	0.2855	0.8565	N/A	N/A
8:2FTS	0.758	0.379	1.137	N/A	N/A
PFOSA	0.023	0.0115	0.0345	N/A	N/A
NMeFOSA	1.447	0.7235	2.1705	N/A	N/A
NEtFOSA	1.299	0.6495	1.9485	N/A	N/A
NMeFOSAA	0.605	0.3025	0.9075	N/A	N/A
NEtFOSAA	0.518	0.259	0.777	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	0.474	0.237	0.711	N/A	N/A
ADONA	0.74	0.37	1.11	N/A	N/A
9Cl-PF3ONS	0.34	0.17	0.51	N/A	N/A
11Cl-PF3OUdS	0.328	0.164	0.492	N/A	N/A
3:3FTCA	0.996	0.498	1.494	N/A	N/A
5:3FTCA	1.037	0.5185	1.5555	N/A	N/A
7:3FTCA	1.181	0.5905	1.7715	N/A	N/A

Initial Calibration Report

SCIEX OS Version 3.3.1.43

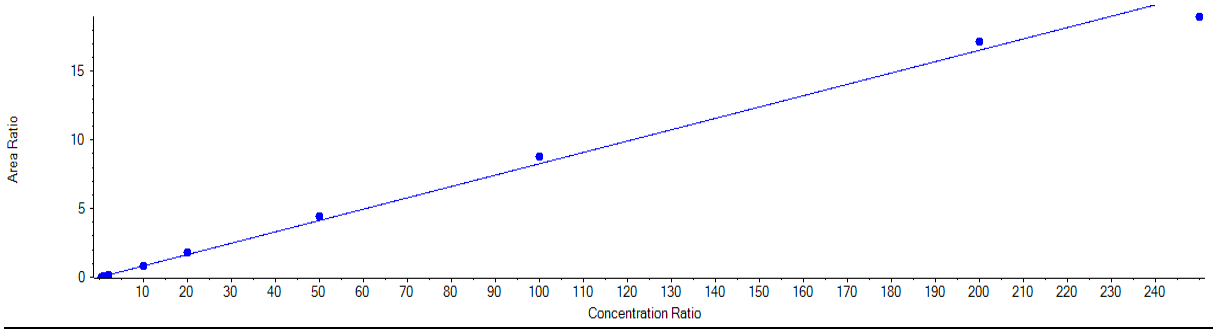
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Last Altered: 12/16/2024 8:34:29 PM
Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	0.63	1255000	36307	0.350	87.4	0.723	250	True	1.15
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	0.63	1101000	75814	0.832	104.0	0.860	361	True	1.31
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	0.63	1428000	215300	1.823	91.2	0.754	749	True	1.28
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	0.62	1323000	1095071	10.004	100.0	0.827	1470	True	1.36
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	0.62	1057000	1885790	21.573	107.9	0.892	1880	True	1.26
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	0.64	1100000	4900340	53.870	107.7	0.891	3458	True	1.14
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	0.63	1038000	9103196	105.998	106.0	0.877	5225	True	1.20
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	0.63	899000	15460051	207.918	104.0	0.860	5422	True	1.23
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	0.64	919700	17451235	229.424	91.8	0.759	5994	True	1.44

Analyte Name: PFBA
Regression Equation: Y = 0.827 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.006 Avg. RF = 0.827 RSD = 7.853 RSE = 7.853
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

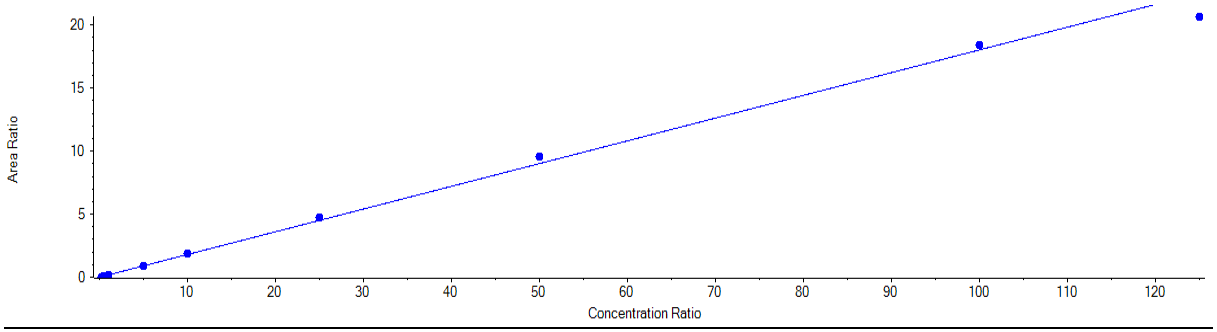
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_11.wiff2
Last Altered: 12/16/2024 8:34:29 PM
Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	1.23	534700	18402	0.191	95.4	0.860	386	True	1.27
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	1.23	478400	34961	0.405	101.3	0.914	762	True	1.28
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	1.23	610700	104430	0.948	94.9	0.855	1784	True	0.99
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	1.23	583600	520003	4.942	98.8	0.891	5613	True	1.35
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	1.23	479400	897573	10.383	103.8	0.936	6651	True	1.27
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	1.24	504900	2412169	26.498	106.0	0.955	13227	True	1.14
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	1.24	503700	4816856	53.041	106.1	0.956	16156	True	1.18
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	1.23	471600	8674062	102.007	102.0	0.920	20415	True	1.23
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	1.25	481500	9942418	114.528	91.6	0.826	20444	True	1.22

Analyte Name: PFPeA
Regression Equation: Y = 0.901 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.009 Avg. RF = 0.901 RSD = 5.152 RSE = 5.152
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

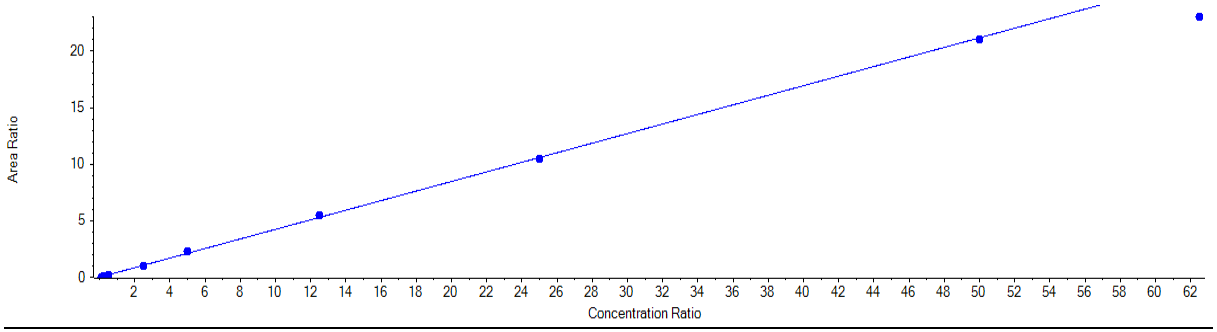
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Last Altered: 12/16/2024 8:34:29 PM
Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	1.99	327700	15153	0.109	109.2	1.156	197	True	1.38
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	2.00	281900	25375	0.213	106.3	1.125	300	True	1.43
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	2.00	368700	74067	0.474	94.9	1.004	937	True	0.99
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	1.99	370600	365824	2.331	93.2	0.987	4751	True	1.26
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	1.99	286700	647992	5.336	106.7	1.130	7974	True	1.27
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	2.01	320000	1764802	13.020	104.2	1.103	13771	True	1.29
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	2.00	322900	3392026	24.800	99.2	1.050	28836	True	0.96
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	1.99	304800	6414387	49.692	99.4	1.052	19570	True	0.96
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	2.02	299500	6897285	54.373	87.0	0.921	20698	True	1.25

Analyte Name: PFHxA
Regression Equation: Y = 1.059 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.031 Avg. RF = 1.059 RSD = 7.318 RSE = 7.318
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

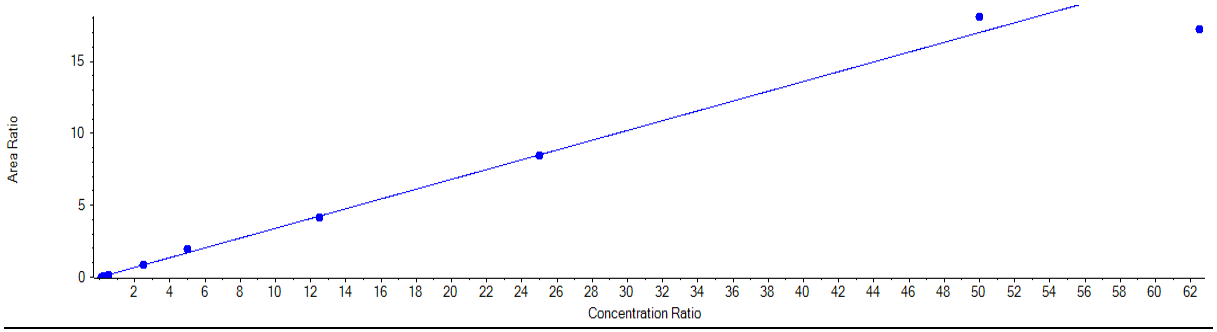
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Last Altered: 12/16/2024 8:34:29 PM
Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	2.57	405800	14478	0.105	104.9	0.892	162	True	1.10
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	2.58	361300	26560	0.216	108.0	0.919	304	True	1.08
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	2.57	472800	71364	0.444	88.7	0.755	808	True	1.38
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	2.57	462400	394012	2.504	100.2	0.852	4407	True	1.37
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	2.57	365900	704186	5.656	113.1	0.962	8010	True	1.04
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	2.58	405200	1695551	12.300	98.4	0.837	17429	True	1.53
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	2.58	399900	3378087	24.832	99.3	0.845	35779	True	1.36
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	2.57	386000	6987569	53.207	106.4	0.905	76169	True	1.05
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	2.60	376700	6483231	50.586	80.9	0.688	63565	True	0.88

Analyte Name: PFHpA
Regression Equation: Y = 0.851 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.034 Avg. RF = 0.851 RSD = 9.969 RSE = 9.969
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

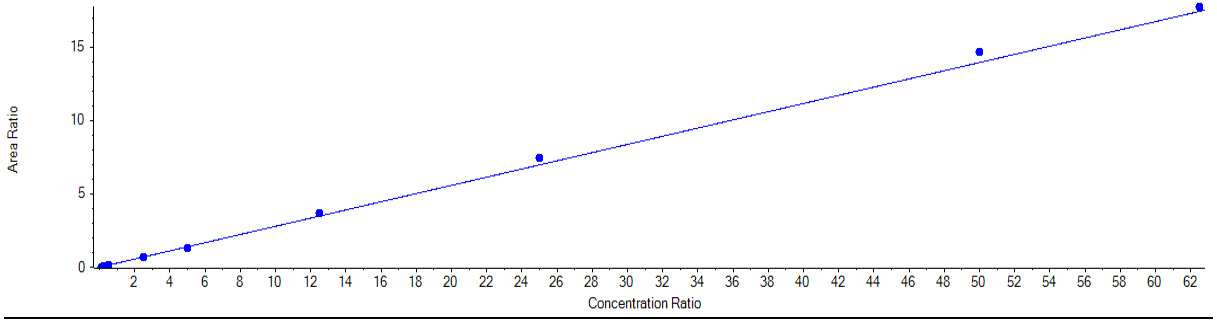
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_11.wiff2
Last Altered: 12/16/2024 8:34:29 PM
Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	3.06	477200	12145	0.091	91.3	0.636	76	True	0.14
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	3.07	422500	25424	0.216	107.9	0.752	180	True	0.16
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	3.06	538000	69456	0.463	92.6	0.645	324	True	0.19
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	3.06	525900	346103	2.361	94.4	0.658	564	True	0.17
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	3.06	438100	576641	4.721	94.4	0.658	636	True	0.18
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	3.07	456600	1678929	13.189	105.5	0.735	719	True	0.15
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	3.07	463800	3454001	26.716	106.9	0.745	688	True	0.18
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	3.06	459300	6733835	52.590	105.2	0.733	735	True	0.18
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	3.08	433800	7692505	63.604	101.8	0.709	720	True	0.15

Analyte Name: PFOA
Regression Equation: Y = 0.697 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.019 Avg. RF = 0.697 RSD = 6.734 RSE = 6.734
Calibration type: Average RF



Initial Calibration Report

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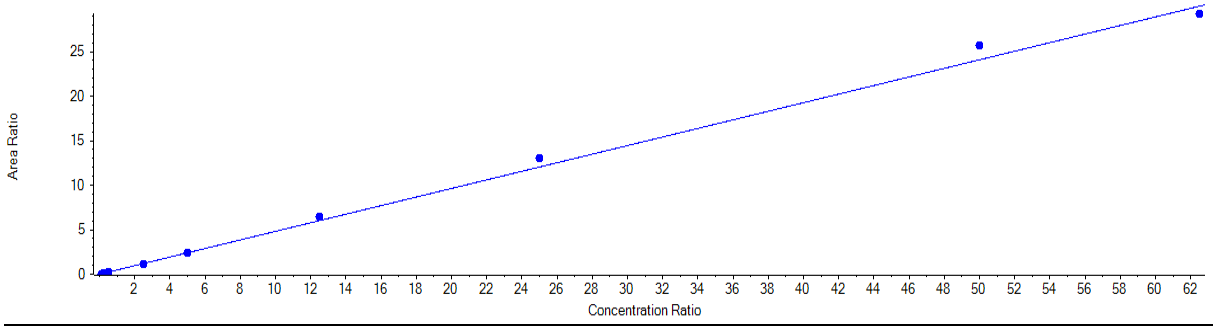
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Last Altered: 12/16/2024 8:34:29 PM
Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	3.52	234700	10155	0.090	89.8	0.541	66	True	0.16
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	3.52	208700	21188	0.211	105.4	0.634	151	True	0.16
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	3.52	262700	57442	0.454	90.8	0.547	284	True	0.19
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	3.51	271200	303766	2.325	93.0	0.560	524	True	0.17
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	3.51	208000	504195	5.031	100.6	0.606	578	True	0.19
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	3.52	218800	1420670	13.480	107.8	0.649	782	True	0.18
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	3.52	226300	2961147	27.168	108.7	0.654	813	True	0.17
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	3.51	227500	5848365	53.367	106.7	0.643	883	True	0.17
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	3.54	213500	6244388	60.712	97.1	0.585	731	True	0.17

Analyte Name: PFNA
Regression Equation: Y = 0.602 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.036 Avg. RF = 0.602 RSD = 7.557 RSE = 7.557
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

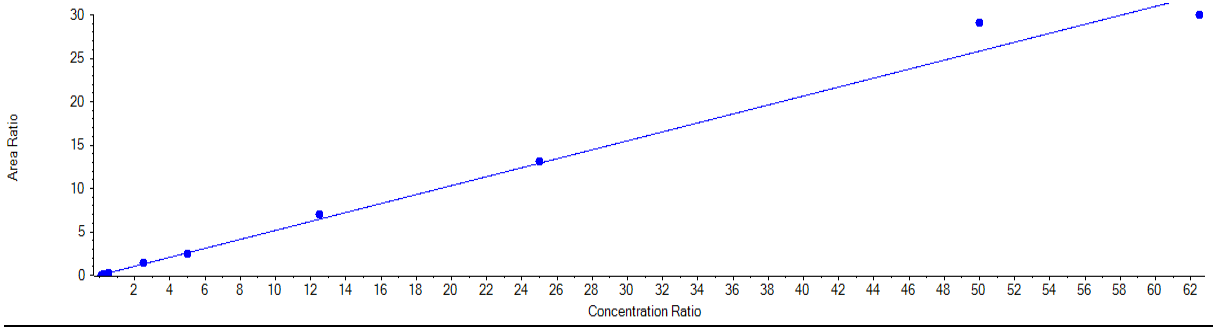
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Last Altered: 12/16/2024 8:34:29 PM
Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	3.95	304600	13512	0.086	85.9	0.555	124	True	0.78
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	3.96	262500	26979	0.199	99.5	0.642	290	True	1.13
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	3.96	356900	87362	0.474	94.8	0.612	861	True	1.16
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	3.95	339300	465283	2.656	106.2	0.686	3052	True	1.08
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	3.95	268600	673583	4.857	97.1	0.627	6440	True	1.17
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	3.96	271900	1907282	13.583	108.7	0.701	4745	True	1.07
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	3.96	288400	3791407	25.457	101.8	0.657	4774	True	0.96
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	3.94	263300	7679026	56.472	112.9	0.729	70230	True	0.95
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	3.97	307500	9226484	58.111	93.0	0.600	90782	True	1.04

Analyte Name: PFDA
Regression Equation: Y = 0.646 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.044 Avg. RF = 0.646 RSD = 8.427 RSE = 8.427
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

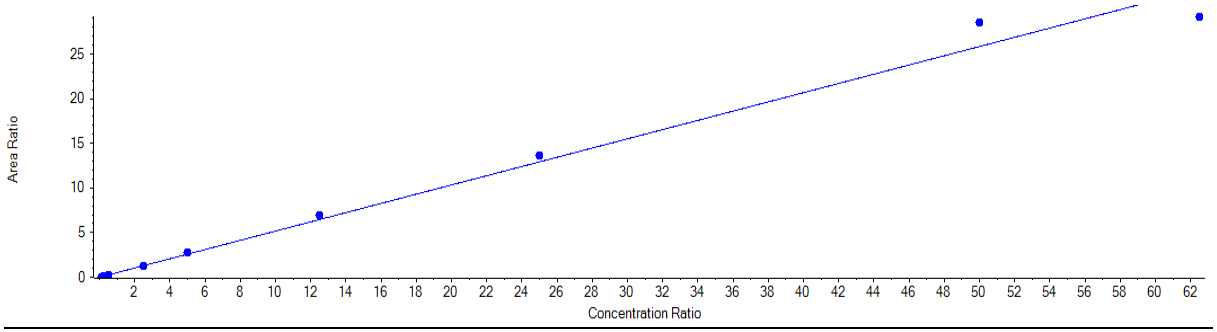
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Last Altered: 12/16/2024 8:34:29 PM
Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	4.37	318800	15053	0.091	91.3	0.590	172	True	0.95
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	4.38	294600	27956	0.184	91.8	0.593	292	True	1.46
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	4.38	364300	87859	0.466	93.3	0.603	996	True	0.89
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	4.37	371900	491284	2.555	102.2	0.661	2553	True	1.22
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	4.37	284200	791334	5.386	107.7	0.696	8908	True	1.22
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	4.38	306700	2126284	13.411	107.3	0.693	23628	True	1.22
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	4.38	303800	4152271	26.433	105.7	0.683	45639	True	1.20
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	4.37	290400	8286921	55.194	110.4	0.713	89651	True	1.48
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	4.39	286900	8371221	56.429	90.3	0.583	61673	True	1.31

Analyte Name: PFUnA
Regression Equation: Y = 0.646 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.043 Avg. RF = 0.646 RSD = 8.222 RSE = 8.222
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

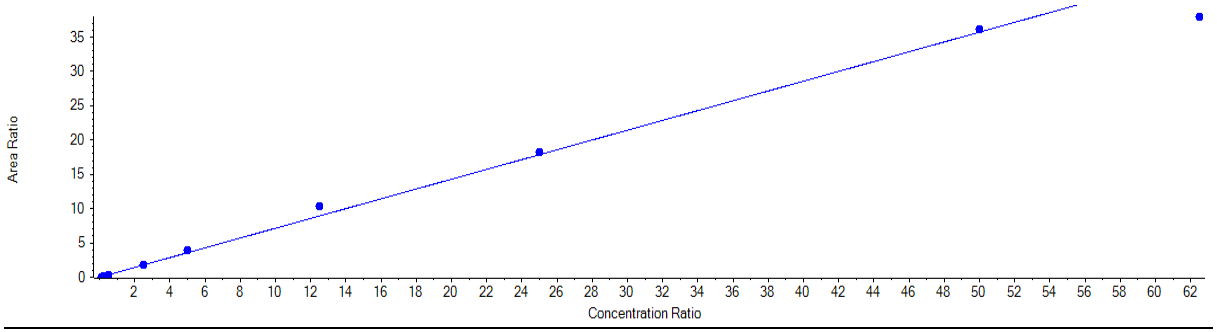
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Last Altered: 12/16/2024 8:34:29 PM
Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	4.79	250500	16018	0.089	89.5	0.799	197	True	1.14
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	4.80	218700	32444	0.208	103.8	0.927	407	True	0.92
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	4.79	291400	97952	0.470	94.1	0.840	1296	True	0.93
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	4.79	305800	537687	2.461	98.4	0.879	7027	True	0.92
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	4.78	230600	916323	5.562	111.2	0.994	11988	True	1.22
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	4.80	247100	2537996	14.376	115.0	1.027	34446	True	0.82
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	4.80	258400	4699516	25.450	101.8	0.909	6498	True	0.92
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	4.78	258900	9357708	50.583	101.2	0.904	116921	True	1.12
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	4.81	265000	10058832	53.120	85.0	0.759	40368	True	1.00

Analyte Name: PFDoA
Regression Equation: Y = 0.893 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.069 Avg. RF = 0.893 RSD = 9.643 RSE = 9.643
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

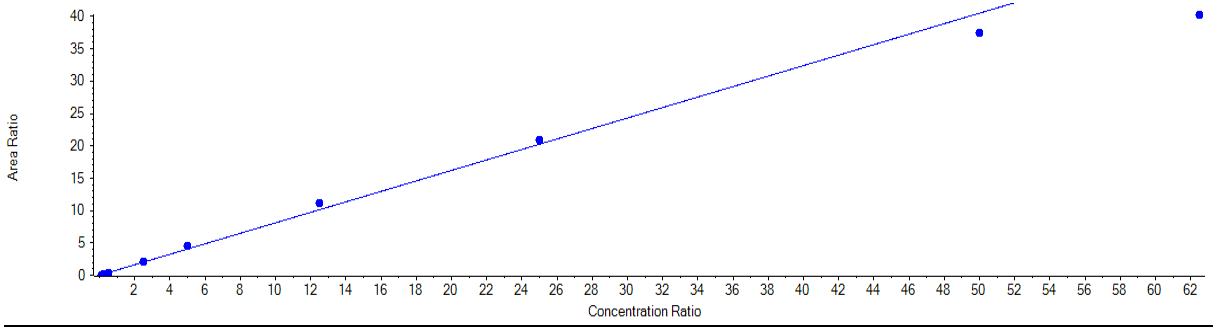
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Last Altered: 12/16/2024 8:34:29 PM
Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	5.19	250500	17266	0.085	85.1	0.861	319	True	0.96
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	5.20	218700	39912	0.225	112.6	1.140	748	True	1.00
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	5.19	291400	120373	0.510	102.0	1.033	2206	True	1.32
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	5.19	305800	647414	2.614	104.5	1.059	11991	True	0.96
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	5.19	230600	1038291	5.559	111.2	1.126	18407	True	1.34
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	5.20	247100	2748008	13.729	109.8	1.112	51639	True	1.23
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	5.20	258400	5390943	25.750	103.0	1.043	96430	True	1.34
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	5.19	258900	9680019	46.152	92.3	0.935	56869	True	1.32
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	5.21	265000	10666159	49.681	79.5	0.805	43650	True	1.19

Analyte Name: PFTrDA
Regression Equation: Y = 1.013 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.096 Avg. RF = 1.013 RSD = 11.817 RSE = 11.817
Calibration type: Average RF



Initial Calibration Report

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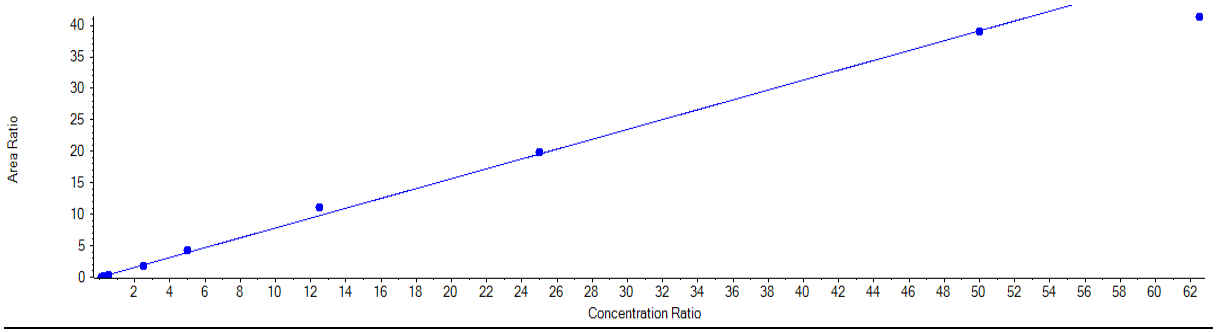
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Last Altered: 12/16/2024 8:34:29 PM
Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	5.59	294400	20895	0.091	90.7	0.887	537	True	0.86
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	5.59	264400	46595	0.225	112.6	1.101	1212	True	1.14
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	5.59	352000	130491	0.474	94.7	0.927	3267	True	1.22
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	5.58	353900	653067	2.357	94.3	0.923	7969	True	0.95
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	5.58	264600	1116543	5.392	107.8	1.055	27620	True	0.89
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	5.59	300500	3342386	14.212	113.7	1.112	85734	True	0.96
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	5.59	309800	6173380	25.460	101.8	0.996	18697	True	0.95
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	5.58	299800	11711666	49.902	99.8	0.977	24241	True	0.93
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	5.61	294200	12170417	52.842	84.6	0.827	12285	True	1.07

Analyte Name: PFTeDA
Regression Equation: Y = 0.978 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.078 Avg. RF = 0.978 RSD = 9.977 RSE = 9.977
Calibration type: Average RF



Initial Calibration Report

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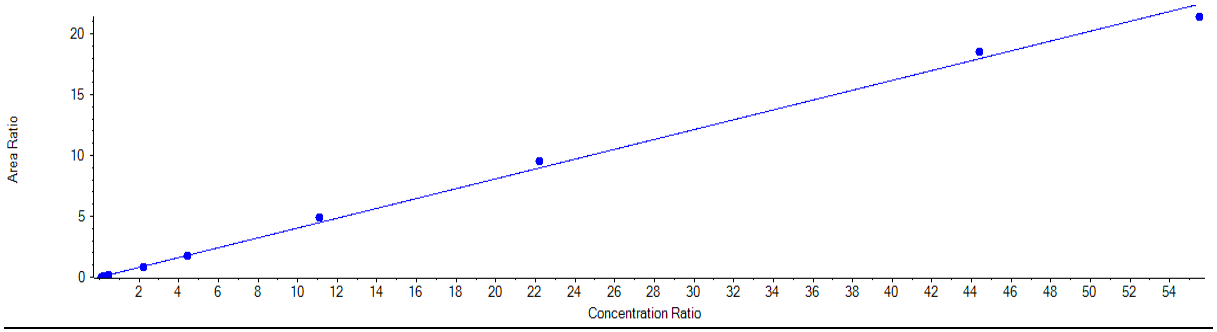
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Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	2.01	500400	15862	0.078	88.1	0.830	204	True	1.16
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	2.01	450400	35506	0.195	109.5	1.032	435	True	1.09
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	2.01	552200	94487	0.423	95.3	0.898	1124	True	0.84
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	2.00	555000	470188	2.094	94.3	0.889	5485	True	1.03
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	2.00	456500	811079	4.392	98.9	0.932	9573	True	1.02
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	2.02	481600	2359501	12.111	109.1	1.028	29181	True	1.11
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	2.01	464300	4443544	23.658	106.6	1.004	51449	True	1.24
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	2.01	447300	8270890	45.711	103.0	0.970	92397	True	1.23
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	2.03	441900	9457489	52.907	95.3	0.899	24046	True	1.12

Analyte Name: PFBS
Regression Equation: Y = 0.943 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.030 Avg. RF = 0.943 RSD = 7.462 RSE = 7.462
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

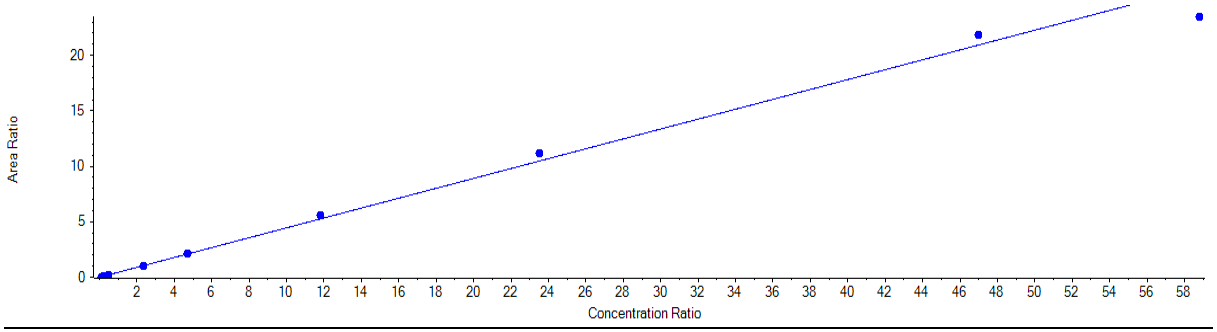
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Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_11.wiff2
Last Altered: 12/16/2024 8:34:29 PM
Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	2.65	407900	17130	0.094	100.3	1.059	172	True	1.37
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	2.66	365200	31019	0.191	101.4	1.071	311	True	1.05
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	2.65	485300	92738	0.429	91.3	0.964	929	True	1.19
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	2.64	460400	472097	2.302	98.0	1.034	3841	True	1.17
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	2.65	388800	832797	4.809	102.3	1.080	7069	True	0.92
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	2.66	421700	2342448	12.472	105.7	1.116	7339	True	1.32
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	2.66	417500	4678566	25.163	107.1	1.130	6462	True	1.14
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	2.65	396800	8662619	49.012	104.3	1.101	85467	True	1.37
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	2.67	410500	9635071	52.692	89.6	0.946	11248	True	1.35

Analyte Name: PFPeS
Regression Equation: Y = 1.056 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.027 Avg. RF = 1.056 RSD = 6.086 RSE = 6.086
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

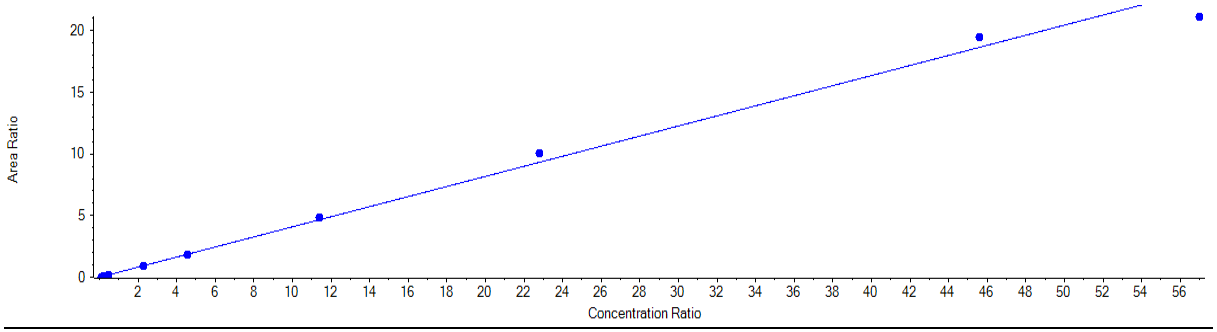
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Last Altered: 12/16/2024 8:34:29 PM
Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	3.18	407900	14393	0.086	94.8	0.919	148	True	1.27
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	3.19	365200	30914	0.207	113.7	1.102	312	True	0.23
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	3.18	485300	82365	0.415	91.0	0.882	607	True	0.21
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	3.18	460400	404835	2.149	94.3	0.914	902	True	0.19
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	3.18	388800	724341	4.554	99.9	0.968	977	True	0.20
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	3.19	421700	2046531	11.863	104.1	1.009	1021	True	0.20
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	3.19	417500	4188165	24.523	107.6	1.043	1123	True	0.19
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	3.18	396800	7713016	47.510	104.2	1.010	1039	True	0.20
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	3.20	410500	8674355	51.646	90.6	0.879	1026	True	0.20

Analyte Name: PFHxS
Regression Equation: Y = 0.970 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.033 Avg. RF = 0.970 RSD = 7.970 RSE = 7.970
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

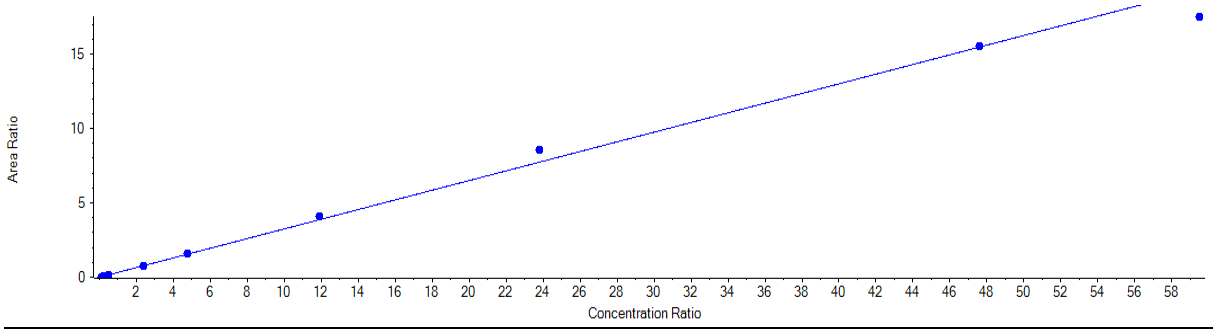
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Last Altered: 12/16/2024 8:34:29 PM
Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	3.66	526100	16638	0.097	102.4	0.799	169	True	1.00
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	3.67	474500	29721	0.193	101.4	0.791	327	True	1.17
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	3.67	611000	87498	0.440	92.5	0.722	903	True	1.32
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	3.66	619500	458265	2.275	95.6	0.746	4768	True	1.07
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	3.66	493000	768768	4.796	100.8	0.786	7503	True	1.20
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	3.67	541200	2213699	12.579	105.7	0.825	22764	True	1.20
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	3.67	508400	4350581	26.319	110.6	0.863	8683	True	1.03
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	3.66	513000	7983889	47.865	100.6	0.785	8392	True	0.99
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	3.68	508900	8909941	53.848	90.5	0.706	89517	True	1.16

Analyte Name: PFHpS
Regression Equation: Y = 0.780 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.021 Avg. RF = 0.780 RSD = 6.312 RSE = 6.312
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

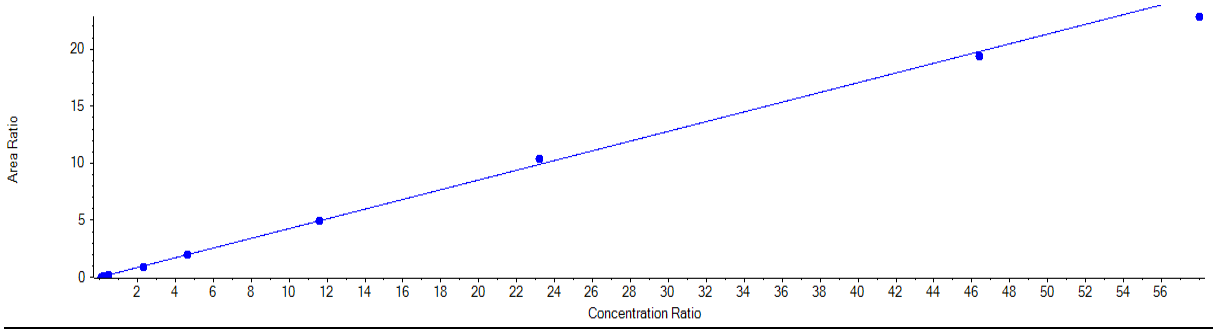
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Last Altered: 12/16/2024 8:34:29 PM
Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	4.11	526100	22753	0.101	109.0	1.116	109	True	0.16
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	4.12	474500	43877	0.217	116.5	1.193	161	True	0.16
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	4.12	611000	107474	0.412	88.9	0.910	335	True	0.15
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	4.11	619500	562943	2.130	91.8	0.940	516	True	0.15
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	4.11	493000	959996	4.564	98.4	1.007	525	True	0.15
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	4.12	541200	2696034	11.675	100.7	1.031	596	True	0.14
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	4.12	508400	5275591	24.323	104.8	1.074	608	True	0.15
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	4.11	513000	9916344	45.308	97.7	1.000	568	True	0.14
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	4.14	508900	11622415	53.532	92.3	0.945	553	True	0.15

Analyte Name: PFOS
Regression Equation: Y = 1.024 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.038 Avg. RF = 1.024 RSD = 8.926 RSE = 8.926
Calibration type: Average RF



Initial Calibration Report

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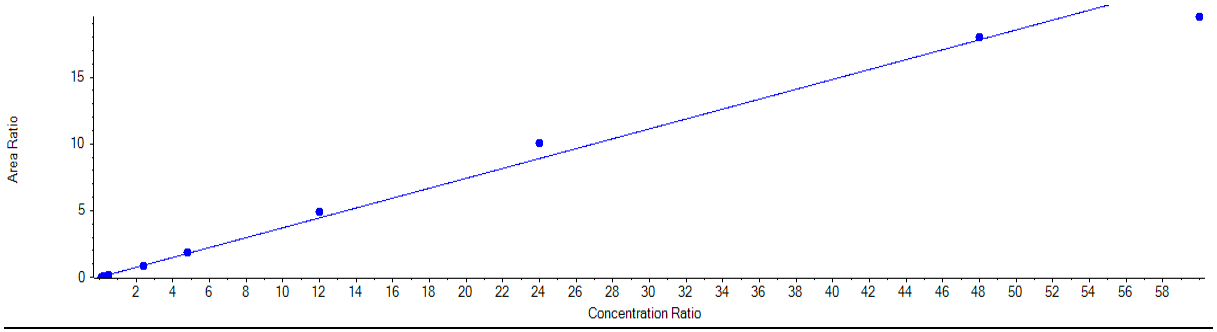
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Last Altered: 12/16/2024 8:34:29 PM
Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	4.55	526100	16474	0.084	87.9	0.783	216	True	1.16
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	4.56	474500	34871	0.198	103.2	0.919	477	True	1.05
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	4.55	611000	103822	0.458	95.4	0.850	1446	True	1.31
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	4.54	619500	531753	2.313	96.4	0.858	6686	True	1.28
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	4.54	493000	921603	5.038	105.0	0.935	5715	True	1.27
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	4.55	541200	2653763	13.214	110.1	0.981	7371	True	1.28
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	4.55	508400	5129287	27.191	113.3	1.009	7191	True	0.96
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	4.54	513000	9232425	48.501	101.0	0.900	6913	True	1.09
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	4.57	508900	9940911	52.645	87.7	0.781	7659	True	1.23

Analyte Name: PFNS
Regression Equation: Y = 0.891 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.033 Avg. RF = 0.891 RSD = 8.982 RSE = 8.982
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

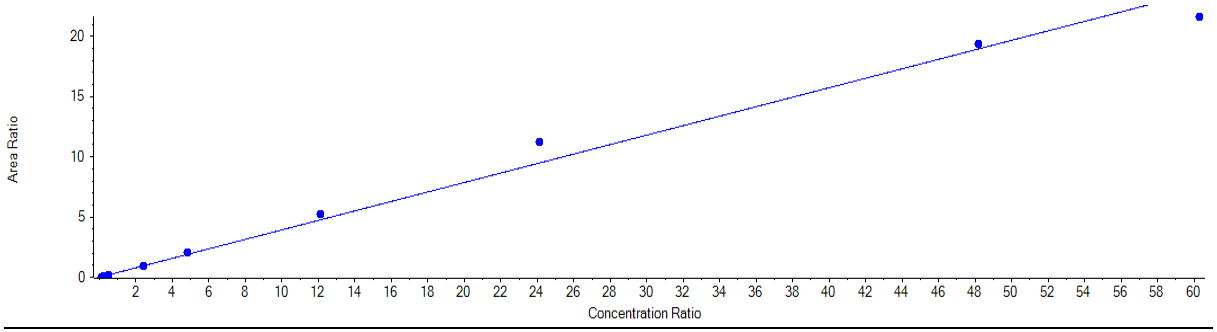
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Last Altered: 12/16/2024 8:34:29 PM
Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	4.97	526100	16994	0.082	85.5	0.808	293	True	1.24
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	4.97	474500	34961	0.187	97.1	0.916	604	True	1.34
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	4.97	611000	106752	0.444	92.2	0.870	1848	True	1.25
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	4.96	619500	565745	2.321	96.3	0.909	7576	True	0.91
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	4.96	493000	1008935	5.203	107.9	1.019	5593	True	1.26
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	4.97	541200	2822054	13.254	109.5	1.034	10133	True	1.25
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	4.97	508400	5696002	28.482	118.2	1.116	93952	True	1.34
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	4.96	513000	9934637	49.229	102.1	0.964	164036	True	1.18
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	4.98	508900	11002274	54.961	91.2	0.861	140520	True	1.18

Analyte Name: PFDS
Regression Equation: Y = 0.944 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.041 Avg. RF = 0.944 RSD = 10.372 RSE = 10.372
Calibration type: Average RF



Initial Calibration Report

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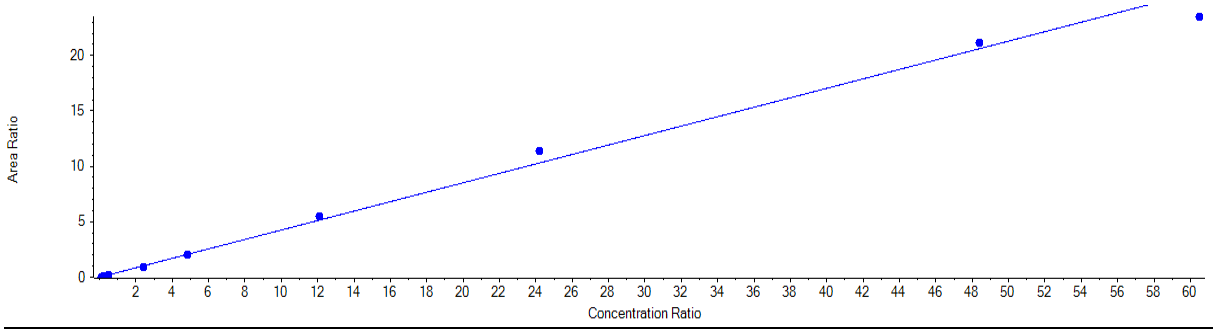
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Last Altered: 12/16/2024 8:34:29 PM
Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	5.75	526100	19793	0.088	91.1	0.931	642	True	1.44
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	5.76	474500	42959	0.213	109.6	1.120	1427	True	0.92
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	5.75	611000	117880	0.453	93.6	0.957	4130	True	1.05
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	5.75	619500	596911	2.263	93.5	0.956	19419	True	0.78
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	5.75	493000	1025336	4.884	100.9	1.031	33393	True	1.34
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	5.76	541200	2986802	12.959	107.1	1.095	27718	True	0.81
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	5.76	508400	5785911	26.726	110.4	1.129	22117	True	0.80
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	5.74	513000	10851051	49.672	102.6	1.049	24373	True	0.88
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	5.77	508900	11947863	55.135	91.1	0.931	21696	True	1.00

Analyte Name: PFDoS
Regression Equation: Y = 1.022 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.034 Avg. RF = 1.022 RSD = 7.910 RSE = 7.910
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

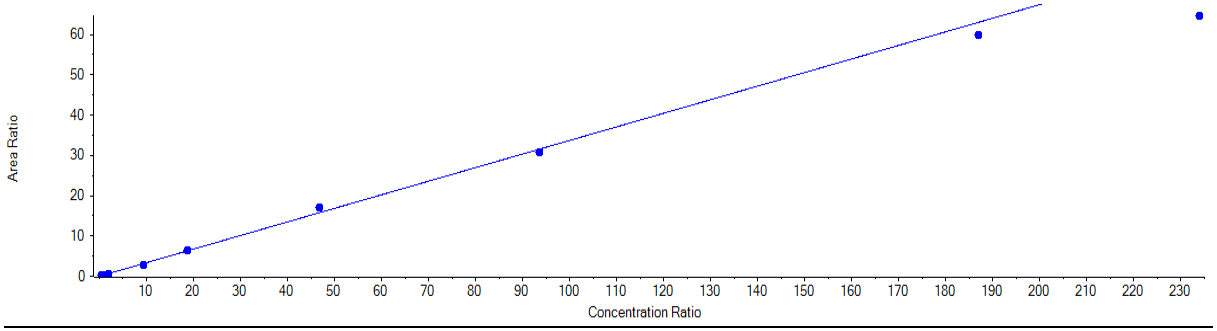
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Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	1.77	89270	12974	0.431	115.0	1.818	242	True	1.26
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	1.77	79710	22321	0.831	110.8	1.751	431	True	1.15
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	1.77	93880	57059	1.804	96.5	1.524	1099	True	0.98
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	1.77	99990	293014	8.696	92.8	1.467	5644	True	1.14
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	1.77	79760	514951	19.159	102.5	1.619	4683	True	1.11
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	1.78	84500	1450106	50.926	108.6	1.716	10038	True	1.28
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	1.77	96460	2955628	90.926	97.0	1.534	56909	True	1.37
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	1.77	98180	5873625	177.528	94.9	1.500	17363	True	1.36
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	1.79	102900	6651966	191.750	81.9	1.295	12844	True	1.18

Analyte Name: 4:2FTS
Regression Equation: Y = 1.580 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.035 Avg. RF = 1.580 RSD = 10.284 RSE = 10.284
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

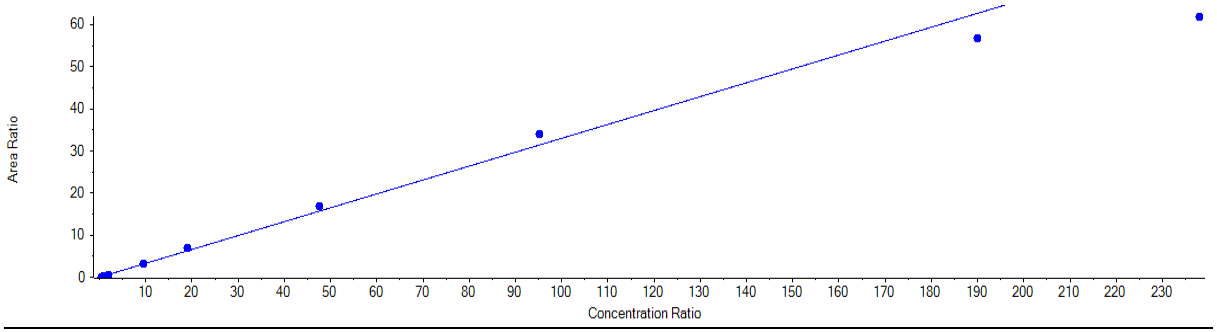
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_11.wiff2
Last Altered: 12/16/2024 8:34:29 PM
Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	2.87	76890	9265	0.365	96.1	1.509	101	True	1.36
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	2.88	76740	19953	0.788	103.6	1.626	210	True	1.11
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	2.87	93470	58459	1.896	99.8	1.567	621	True	1.22
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	2.86	91500	297862	9.869	103.8	1.629	3379	True	1.17
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	2.87	76520	535353	21.210	111.6	1.753	5873	True	1.34
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	2.88	87110	1476650	51.389	108.0	1.695	12186	True	1.41
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	2.88	90000	3049554	102.725	108.0	1.696	8086	True	1.27
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	2.86	103700	5870949	171.705	90.4	1.419	10076	True	1.20
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	2.89	105000	6490826	187.438	78.8	1.237	18170	True	1.32

Analyte Name: 6:2FTS
Regression Equation: Y = 1.570 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.034 Avg. RF = 1.570 RSD = 10.302 RSE = 10.302
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

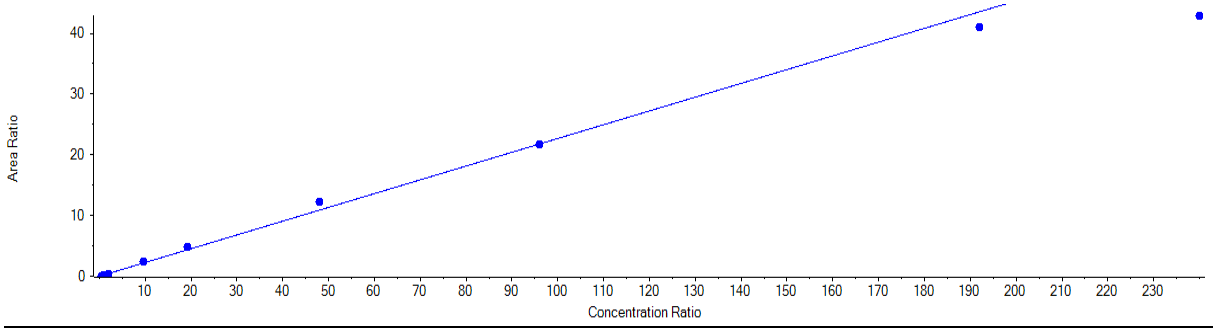
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Last Altered: 12/16/2024 8:34:29 PM
Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	3.75	115300	8023	0.307	79.9	0.870	95	True	1.22
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	3.76	96520	18791	0.858	111.7	1.217	207	True	1.45
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	3.75	138500	62721	1.996	104.0	1.132	650	True	0.97
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	3.75	126700	294492	10.241	106.7	1.162	3058	True	1.32
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	3.75	103300	507765	21.664	112.8	1.229	5313	True	0.97
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	3.76	119900	1468969	53.981	112.5	1.225	14160	True	1.39
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	3.76	138200	2992258	95.460	99.4	1.083	8404	True	1.20
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	3.75	148500	6099029	181.047	94.3	1.027	8949	True	1.16
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	3.77	153900	6601334	189.034	78.8	0.858	14217	True	1.25

Analyte Name: 8:2FTS
Regression Equation: Y = 1.089 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.030 Avg. RF = 1.089 RSD = 13.264 RSE = 13.264
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

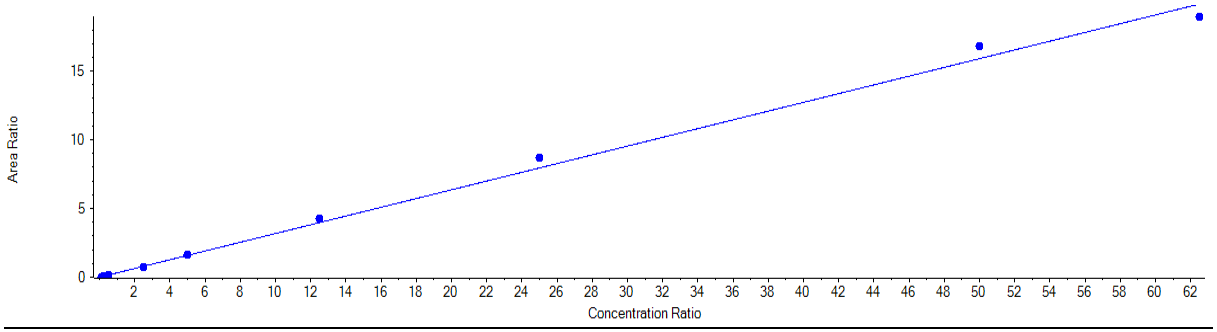
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Last Altered: 12/16/2024 8:34:29 PM
Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	5.19	799600	23110	0.091	90.9	0.723	185	True	0.17
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	5.20	728300	47082	0.203	101.6	0.808	229	True	0.16
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	5.19	915400	131013	0.450	90.0	0.716	242	True	0.16
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	5.18	945900	720006	2.393	95.7	0.761	247	True	0.18
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	5.18	728100	1195852	5.164	103.3	0.821	270	True	0.18
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	5.20	767800	3304968	13.534	108.3	0.861	247	True	0.17
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	5.20	774700	6726206	27.296	109.2	0.868	237	True	0.18
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	5.18	749300	12604283	52.883	105.8	0.841	230	True	0.18
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	5.21	767200	14533793	59.562	95.3	0.758	239	True	0.18

Analyte Name: PFOSA
Regression Equation: Y = 0.795 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.023 Avg. RF = 0.795 RSD = 7.273 RSE = 7.273
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

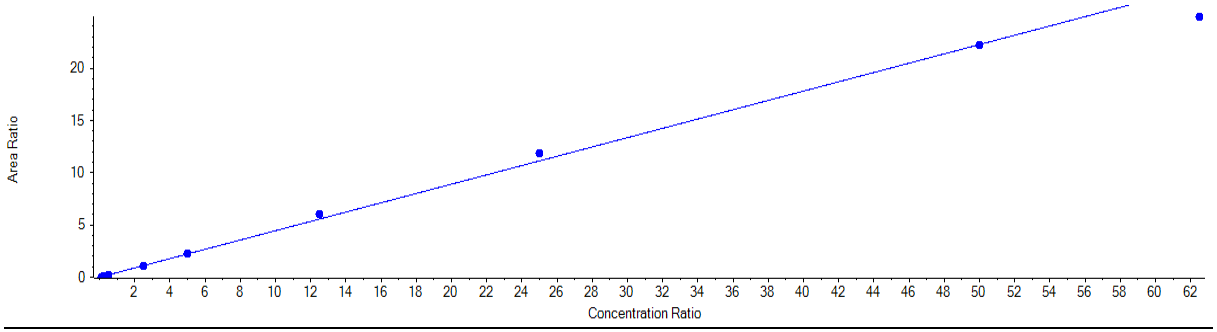
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Last Altered: 12/16/2024 8:34:29 PM
Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	5.93	122400	4556	0.084	83.6	0.931	89	True	0.21
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	5.94	105800	10059	0.214	106.8	1.189	122	True	0.16
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	5.93	135100	30639	0.509	101.9	1.134	250	True	0.18
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	5.92	135200	149846	2.488	99.5	1.108	253	True	0.16
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	5.92	111400	255298	5.148	103.0	1.146	266	True	0.16
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	5.94	122700	745928	13.658	109.3	1.216	279	True	0.17
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	5.94	126000	1495402	26.647	106.6	1.186	291	True	0.17
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	5.92	131500	2922265	49.923	99.9	1.111	288	True	0.18
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	5.95	133300	3319630	55.954	89.5	0.996	267	True	0.20

Analyte Name: NMeFOSA
Regression Equation: Y = 1.113 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.037 Avg. RF = 1.113 RSD = 8.410 RSE = 8.410
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

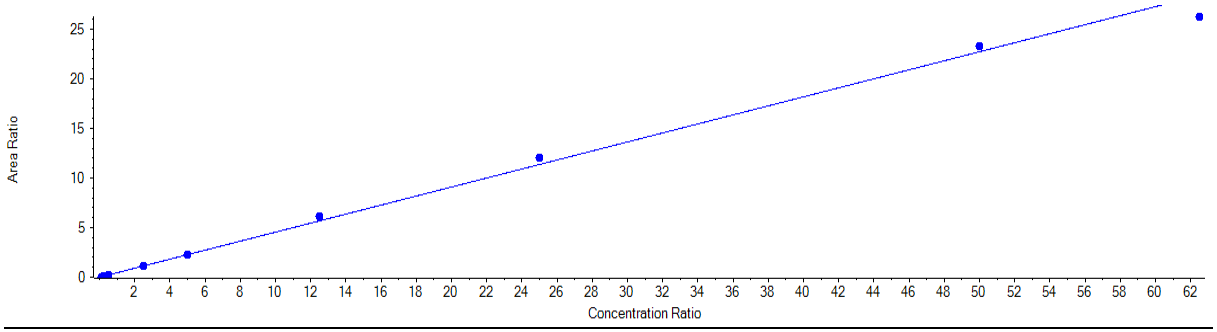
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Last Altered: 12/16/2024 8:34:29 PM
Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	6.22	116900	4863	0.091	91.5	1.040	153	True	0.16
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	6.23	107800	9888	0.202	100.8	1.147	322	True	0.13
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	6.22	135800	29687	0.481	96.1	1.093	455	True	0.14
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	6.22	130800	149338	2.510	100.4	1.142	585	True	0.17
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	6.22	112100	260433	5.106	102.1	1.161	702	True	0.17
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	6.23	120200	740141	13.539	108.3	1.232	577	True	0.15
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	6.23	126900	1528402	26.487	106.0	1.205	593	True	0.15
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	6.22	129900	3027169	51.213	102.4	1.165	616	True	0.15
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	6.25	129300	3395439	57.737	92.4	1.051	671	True	0.16

Analyte Name: NEtFOSA
Regression Equation: Y = 1.137 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.026 Avg. RF = 1.137 RSD = 5.716 RSE = 5.716
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

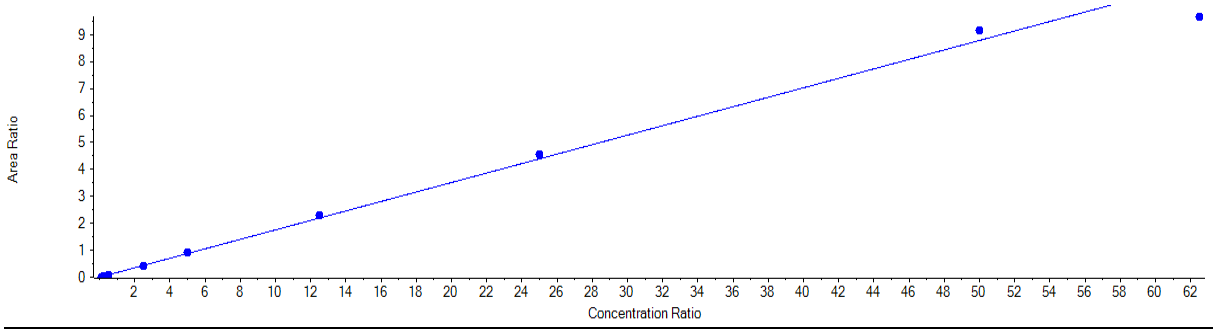
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Last Altered: 12/16/2024 8:34:29 PM
Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	4.05	174200	3543	0.116	115.7	1.017	23	True	0.27
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	4.06	164000	5441	0.189	94.4	0.829	49	True	0.26
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	4.05	202500	15850	0.445	89.1	0.783	126	True	0.26
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	4.05	213100	90571	2.418	96.7	0.850	328	True	0.29
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	4.05	173200	156043	5.124	102.5	0.901	421	True	0.28
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	4.06	200800	466053	13.207	105.7	0.929	534	True	0.28
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	4.06	213100	971596	25.937	103.8	0.912	548	True	0.28
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	4.04	215100	1971325	52.144	104.3	0.917	580	True	0.28
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	4.07	233800	2259947	54.981	88.0	0.773	587	True	0.28

Analyte Name: NMeFOSAA
Regression Equation: Y = 0.879 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.016 Avg. RF = 0.879 RSD = 8.841 RSE = 8.841
Calibration type: Average RF



Initial Calibration Report

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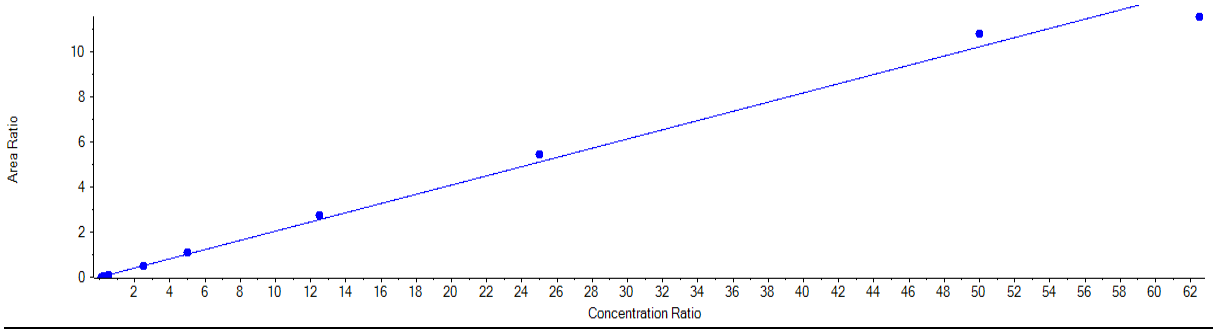
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Last Altered: 12/16/2024 8:34:29 PM
Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	4.26	158000	3471	0.107	107.3	1.098	32	True	0.51
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	4.27	145400	5643	0.190	94.8	0.971	52	True	0.29
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	4.27	186500	15848	0.415	83.0	0.850	132	True	0.33
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	4.26	182300	91304	2.445	97.8	1.002	372	True	1.08
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	4.26	146200	158724	5.303	106.1	1.086	361	True	1.22
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	4.27	162200	450467	13.558	108.5	1.111	534	True	1.18
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	4.27	172000	939923	26.689	106.8	1.093	531	True	1.19
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	4.26	171700	1853451	52.725	105.5	1.080	525	True	0.30
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	4.28	183400	2121615	56.500	90.4	0.926	514	True	1.18

Analyte Name: NEtFOSAA
Regression Equation: Y = 1.024 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.018 Avg. RF = 1.024 RSD = 9.012 RSE = 9.012
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

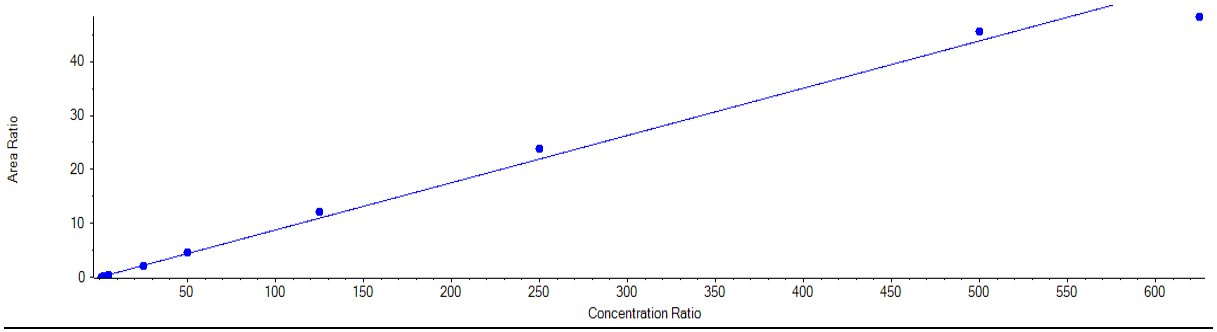
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Last Altered: 12/16/2024 8:34:29 PM
Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	5.79	862700	69917	0.924	92.4	2.026	142	True	0.19
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	5.80	792800	140019	2.014	100.7	2.208	151	True	0.16
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	5.79	985700	408375	4.724	94.5	2.072	190	True	0.16
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	5.79	998000	2122254	24.249	97.0	2.127	176	True	0.20
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	5.78	808500	3712386	52.359	104.7	2.296	189	True	0.20
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	5.80	882100	10670177	137.937	110.4	2.419	192	True	0.16
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	5.80	895300	21259802	270.779	108.3	2.375	183	True	0.16
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	5.78	892700	40663981	519.407	103.9	2.278	174	True	0.17
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	5.81	952700	46029996	550.922	88.2	1.933	176	True	0.18

Analyte Name: NMeFOSE
Regression Equation: Y = 2.192 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.007 Avg. RF = 2.192 RSD = 7.512 RSE = 7.512
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

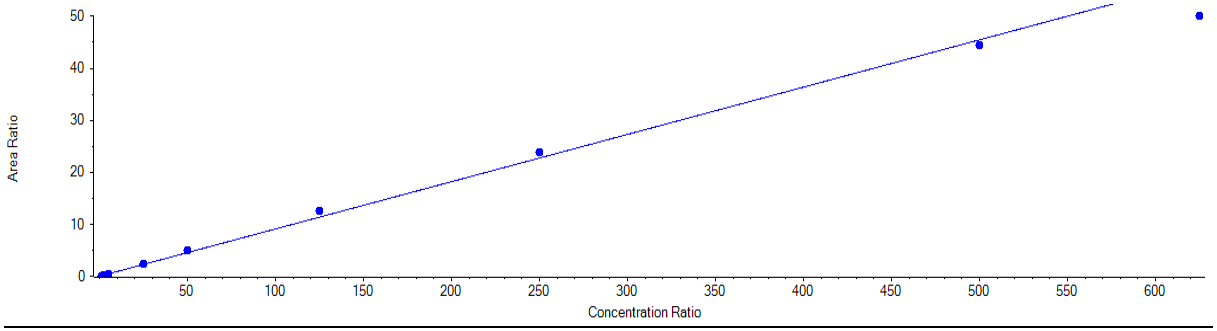
Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_11.wiff2
Last Altered: 12/16/2024 8:34:29 PM
Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	6.09	1085000	90068	0.913	91.3	2.076	184	True	0.15
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	6.10	976400	186022	2.095	104.7	2.381	304	True	0.16
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	6.09	1201000	524255	4.802	96.0	2.183	395	True	0.17
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	6.09	1193000	2720890	25.074	100.3	2.280	400	True	0.15
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	6.09	982000	4805021	53.804	107.6	2.447	382	True	0.15
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	6.10	1098000	13725656	137.404	109.9	2.499	406	True	0.18
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	6.10	1137000	27015584	261.181	104.5	2.375	385	True	0.17
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	6.09	1146000	50808216	487.603	97.5	2.217	390	True	0.17
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	6.11	1154000	57804640	550.713	88.1	2.003	335	True	0.16

Analyte Name: NEtFOSE
Regression Equation: Y = 2.274 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.007 Avg. RF = 2.274 RSD = 7.397 RSE = 7.397
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

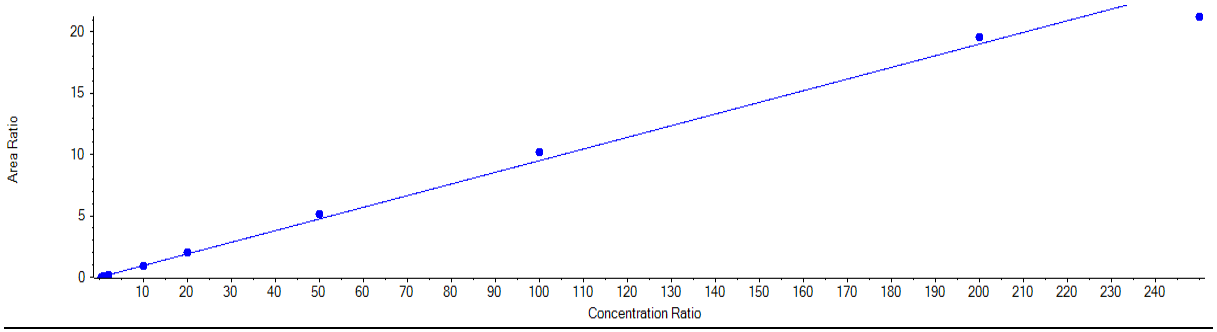
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Last Altered: 12/16/2024 8:34:29 PM
Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	2.21	1272000	41763	0.345	86.3	0.821	486	True	1.10
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	2.22	1073000	86725	0.850	106.2	1.010	1023	True	0.89
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	2.21	1396000	247380	1.863	93.1	0.886	2865	True	1.00
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	2.21	1356000	1288746	9.990	99.9	0.950	4255	True	1.12
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	2.21	1107000	2236516	21.246	106.2	1.010	6294	True	1.18
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	2.22	1161000	6006148	54.383	108.8	1.034	10488	True	1.28
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	2.22	1139000	11590511	107.018	107.0	1.018	128759	True	0.98
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	2.21	1026000	20130434	206.211	103.1	0.981	5491	True	1.34
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	2.23	1052000	22333369	223.324	89.3	0.850	244665	True	1.21

Analyte Name: HFPO-DA
Regression Equation: Y = 0.951 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.008 Avg. RF = 0.951 RSD = 8.371 RSE = 8.371
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

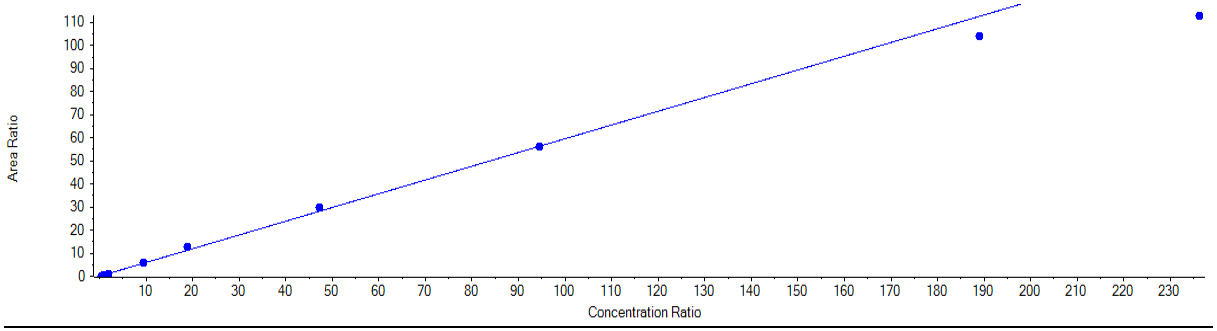
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Last Altered: 12/16/2024 8:34:29 PM
Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	2.75	405800	91018	0.376	99.6	1.483	1039	True	1.03
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	2.76	361300	182930	0.850	112.4	1.674	2055	True	1.19
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	2.75	472800	519379	1.844	97.5	1.453	4521	True	0.97
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	2.75	462400	2619991	9.508	100.6	1.499	5935	True	0.96
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	2.75	365900	4636302	21.263	112.5	1.676	6787	True	1.03
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	2.76	405200	12002764	49.713	105.2	1.567	128771	True	1.10
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	2.76	399900	22460257	94.266	99.8	1.486	232190	True	1.04
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	2.75	386000	40111789	174.389	92.3	1.375	265840	True	1.03
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	2.77	376700	42503130	189.349	80.2	1.194	217897	True	1.07

Analyte Name: ADONA
Regression Equation: Y = 1.490 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.059 Avg. RF = 1.490 RSD = 9.985 RSE = 9.985
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

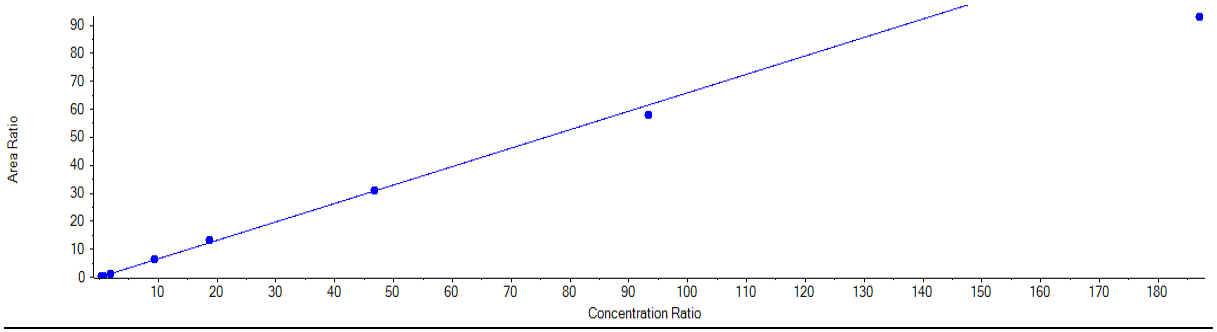
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Last Altered: 12/16/2024 8:34:29 PM
Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	4.41	526100	130577	0.377	100.9	1.597	1520	True	0.88
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	4.42	474500	266567	0.852	114.2	1.808	3069	True	1.05
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	4.42	611000	778961	1.934	103.4	1.636	5599	True	1.10
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	4.41	619500	3921471	9.602	102.9	1.628	9416	True	0.97
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	4.41	493000	6588968	20.275	108.4	1.715	8889	True	1.00
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	4.42	541200	16724708	46.874	100.4	1.588	185267	True	0.99
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	4.42	508400	29457962	87.899	94.2	1.491	310197	True	1.02
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	4.41	513000	47731055	141.140	75.5	1.194	224678	True	1.27
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	N/A	508900	N/A	N/A	N/A	N/A	N/A	False	N/A

Analyte Name: 9Cl-PF3ONS
Regression Equation: Y = 1.582 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.076 Avg. RF = 1.582 RSD = 11.526 RSE = 11.526
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

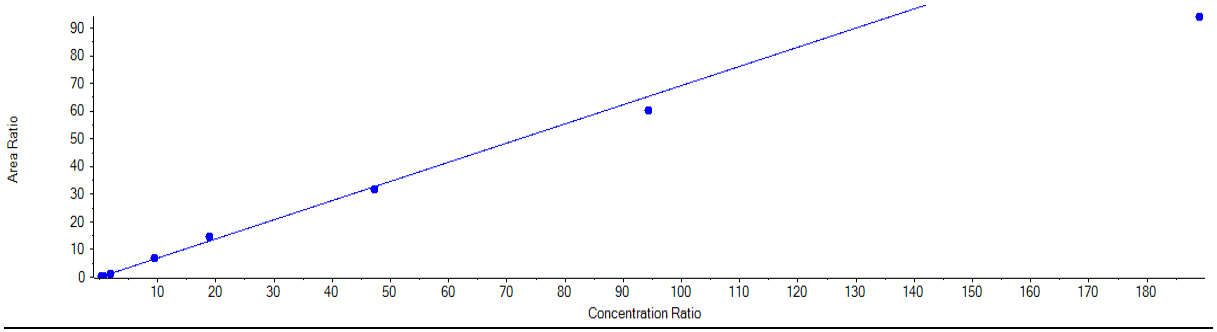
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Last Altered: 12/16/2024 8:34:29 PM
Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	5.24	526100	140295	0.385	102.1	1.698	2466	True	1.34
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	5.25	474500	288207	0.877	116.3	1.934	3629	True	1.37
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	5.24	611000	825541	1.950	103.2	1.716	4779	True	1.31
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	5.24	619500	4258808	9.922	105.2	1.750	12027	True	0.96
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	5.24	493000	7207898	21.103	111.7	1.857	157917	True	0.89
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	5.25	541200	17200212	45.869	97.2	1.616	366600	True	1.19
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	5.25	508400	30727621	87.240	92.5	1.538	319027	True	1.28
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	5.24	513000	48275756	135.827	71.9	1.195	82870	True	0.91
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	N/A	508900	N/A	N/A	N/A	N/A	N/A	False	N/A

Analyte Name: 11Cl-PF3OUdS
Regression Equation: Y = 1.663 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.094 Avg. RF = 1.663 RSD = 13.618 RSE = 13.618
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

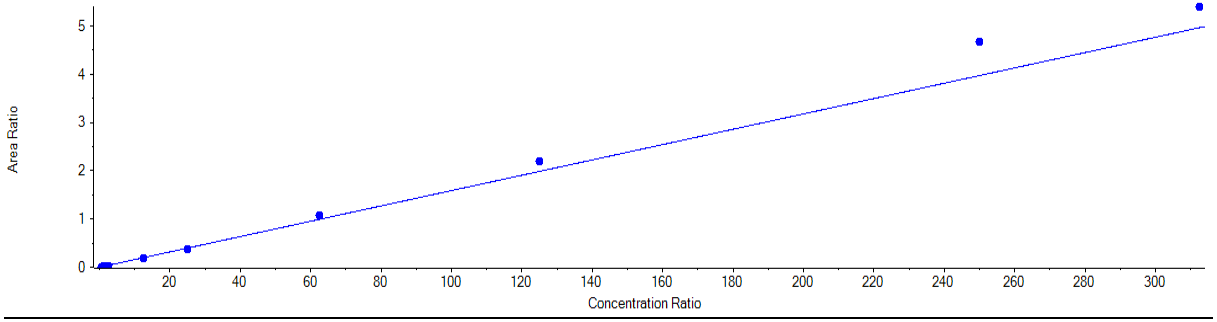
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Last Altered: 12/16/2024 8:34:29 PM
Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	1.57	534700	4332	0.510	101.9	0.081	38	True	1.98
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	1.57	478400	6771	0.890	89.0	0.071	49	True	1.37
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	1.58	610700	19420	2.000	80.0	0.064	141	True	1.60
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	1.57	583600	103140	11.115	88.9	0.071	832	True	1.56
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	1.56	479400	182737	23.971	95.9	0.076	1338	True	1.29
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	1.58	504900	538737	67.108	107.4	0.085	2967	True	1.61
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	1.58	503700	1110101	138.612	110.9	0.088	3906	True	1.51
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	1.58	471600	2199548	293.315	117.3	0.093	5449	True	1.52
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	1.61	481500	2600084	339.626	108.7	0.086	6529	True	1.69

Analyte Name: 3:3FTCA
Regression Equation: Y = 0.079 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.002 Avg. RF = 0.079 RSD = 12.310 RSE = 12.310
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

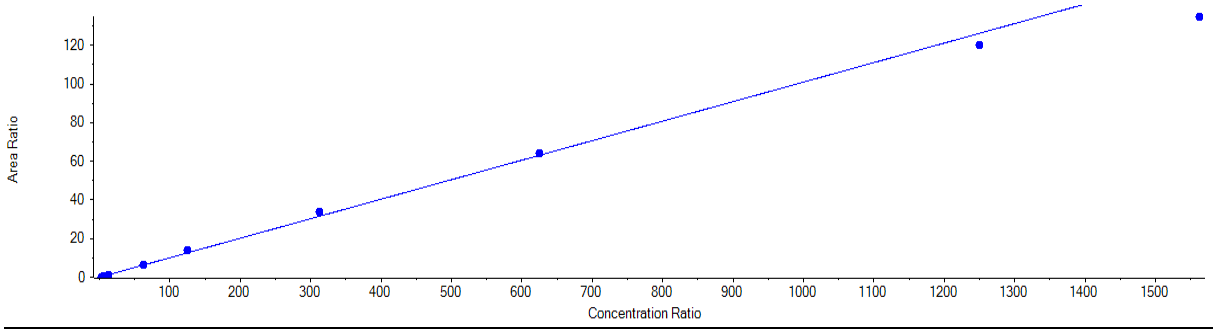
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Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	3.01	327700	75894	2.293	91.7	0.232	838	True	1.50
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	3.02	281900	160135	5.626	112.5	0.284	1606	True	1.22
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	3.02	368700	453538	12.180	97.4	0.246	4587	True	1.47
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	3.01	370600	2309975	61.726	98.8	0.249	3633	True	1.34
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	3.02	286700	3980680	137.474	110.0	0.278	39546	True	1.53
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	3.03	320000	10821486	334.843	107.2	0.271	108947	True	1.62
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	3.03	322900	20718635	635.300	101.7	0.257	36832	True	1.48
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	3.01	304800	36690982	1192.119	95.4	0.241	32324	True	1.47
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	3.04	299500	40360027	1334.399	85.4	0.216	22210	True	1.30

Analyte Name: 5:3FTCA
Regression Equation: Y = 0.252 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.009 Avg. RF = 0.252 RSD = 8.810 RSE = 8.810
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

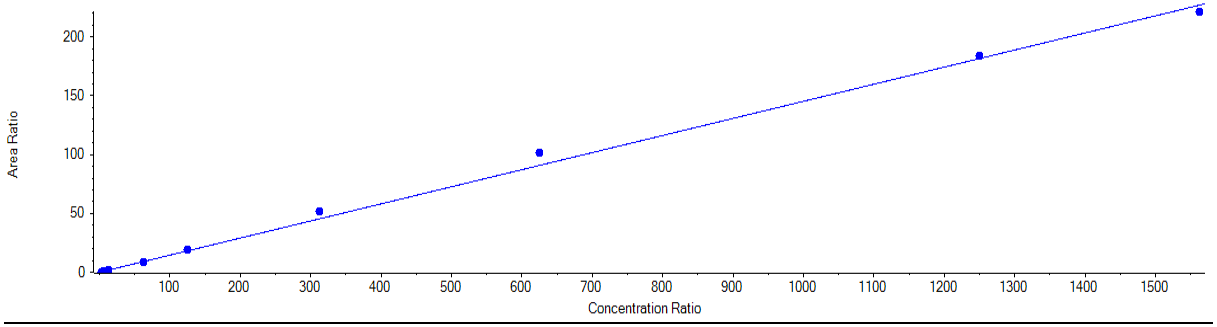
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Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	4.04	234700	70263	2.060	82.4	0.150	740	True	1.42
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	4.05	208700	154034	5.078	101.6	0.184	1433	True	1.69
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	4.04	262700	433102	11.345	90.8	0.165	4727	True	1.31
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	4.04	271200	2301988	58.402	93.4	0.170	24428	True	1.24
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	4.04	208000	4011274	132.674	106.1	0.193	34638	True	1.29
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	4.05	218800	11396053	358.393	114.7	0.208	34815	True	1.64
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	4.05	226300	23037809	700.553	112.1	0.204	24691	True	1.54
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	4.03	227500	41928375	1268.091	101.5	0.184	18986	True	1.56
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	4.06	213500	47270913	1523.306	97.5	0.177	13215	True	1.53

Analyte Name: 7:3FTCA
Regression Equation: Y = 0.182 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.015 Avg. RF = 0.182 RSD = 10.301 RSE = 10.301
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

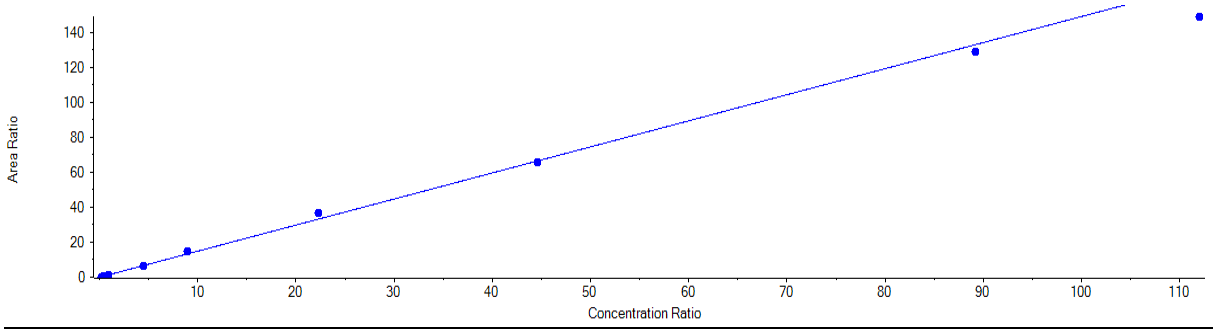
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Last Altered: 12/16/2024 8:34:29 PM
Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	2.31	327700	82256	0.168	94.5	3.526	940	True	1.13
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	2.32	281900	156757	0.373	104.4	3.895	1731	True	1.30
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	2.32	368700	473012	0.860	96.4	3.595	4191	True	0.92
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	2.31	370600	2459359	4.448	99.7	3.720	7730	True	1.10
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	2.31	286700	4174629	9.759	109.4	4.081	8309	True	1.16
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	2.33	320000	11746550	24.603	110.3	4.115	131680	True	1.12
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	2.32	322900	21266346	44.141	99.0	3.691	228211	True	1.33
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	2.32	304800	39362017	86.570	97.1	3.620	409346	True	1.33
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	2.34	299500	44619349	99.859	89.2	3.325	51750	True	1.08

Analyte Name: PFEESA
Regression Equation: Y = 3.730 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.103 Avg. RF = 3.730 RSD = 6.937 RSE = 6.937
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

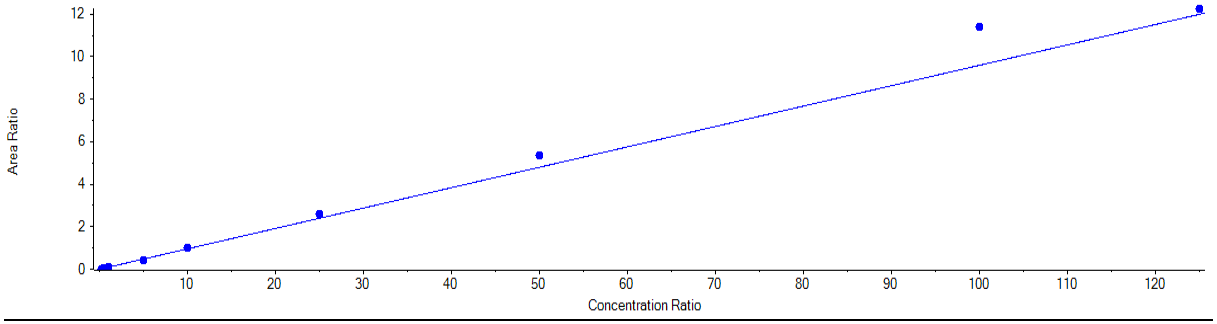
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Last Altered: 12/16/2024 8:34:29 PM
Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	0.79	1255000	19793	0.164	82.2	0.789	961	True	1.23
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	0.79	1101000	41422	0.392	98.0	0.940	2010	True	1.37
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	0.79	1428000	116372	0.849	84.9	0.815	5503	True	1.38
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	0.79	1323000	590876	4.652	93.1	0.893	17413	True	1.43
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	0.79	1057000	1038569	10.240	102.4	0.983	29514	True	1.34
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	0.80	1100000	2837922	26.888	107.6	1.032	129400	True	1.13
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	0.80	1038000	5541658	55.614	111.2	1.067	49740	True	1.24
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	0.79	899000	10229424	118.569	118.6	1.138	26135	True	1.24
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	0.81	919700	11267415	127.666	102.1	0.980	33846	True	1.31

Analyte Name: PFMPA
Regression Equation: Y = 0.960 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.011 Avg. RF = 0.960 RSD = 11.915 RSE = 11.915
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

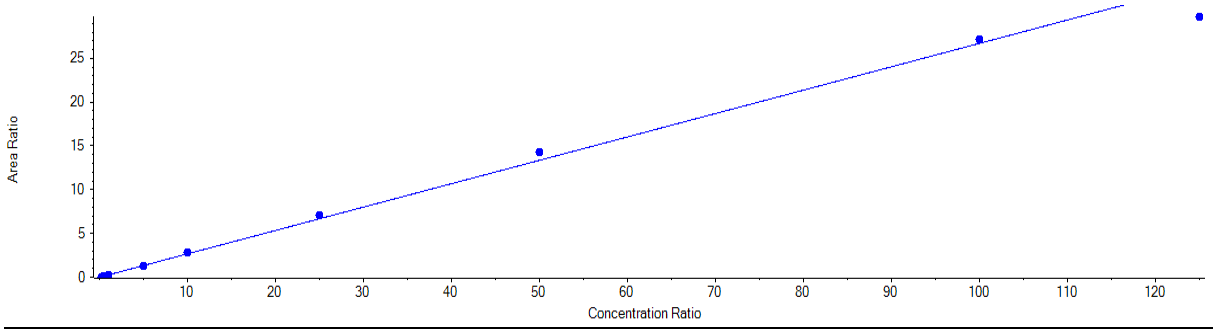
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Last Altered: 12/16/2024 8:34:29 PM
Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	1.49	534700	26686	0.187	93.4	1.248	726	True	1.28
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	1.49	478400	53933	0.422	105.5	1.409	1427	True	1.15
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	1.49	610700	161710	0.991	99.1	1.324	4364	True	1.11
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	1.49	583600	735216	4.716	94.3	1.260	6850	True	1.23
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	1.48	479400	1339119	10.456	104.6	1.397	35186	True	1.16
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	1.50	504900	3563480	26.420	105.7	1.412	15045	True	0.96
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	1.49	503700	7169933	53.286	106.6	1.423	184159	True	1.28
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	1.49	471600	12819770	101.752	101.8	1.359	47075	True	1.03
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	1.51	481500	14321136	111.341	89.1	1.190	42924	True	1.18

Analyte Name: PFMBA
Regression Equation: Y = 1.336 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.017 Avg. RF = 1.336 RSD = 6.380 RSE = 6.380
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

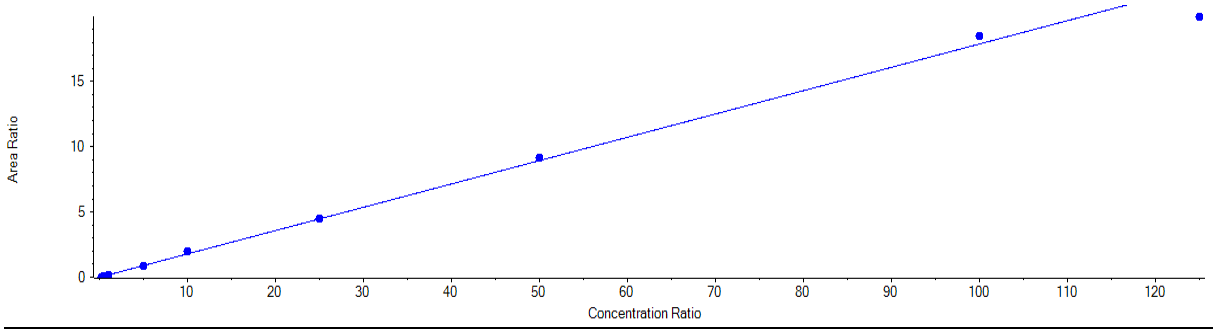
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Last Altered: 12/16/2024 8:34:29 PM
Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	1.91	327700	11569	0.198	98.8	0.441	162	True	1.07
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	1.92	281900	21848	0.434	108.4	0.484	297	True	1.28
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	1.92	368700	61024	0.926	92.6	0.414	845	True	1.33
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	1.91	370600	314070	4.743	94.9	0.424	4575	True	1.05
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	1.91	286700	559110	10.912	109.1	0.487	8203	True	1.06
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	1.93	320000	1441895	25.214	100.9	0.451	9412	True	1.16
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	1.92	322900	2955896	51.222	102.4	0.458	22817	True	1.32
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	1.91	304800	5641074	103.578	103.6	0.463	14345	True	1.29
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	1.94	299500	5974693	111.634	89.3	0.399	11365	True	1.18

Analyte Name: NFDHA
Regression Equation: Y = 0.447 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.012 Avg. RF = 0.447 RSD = 6.807 RSE = 6.807
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

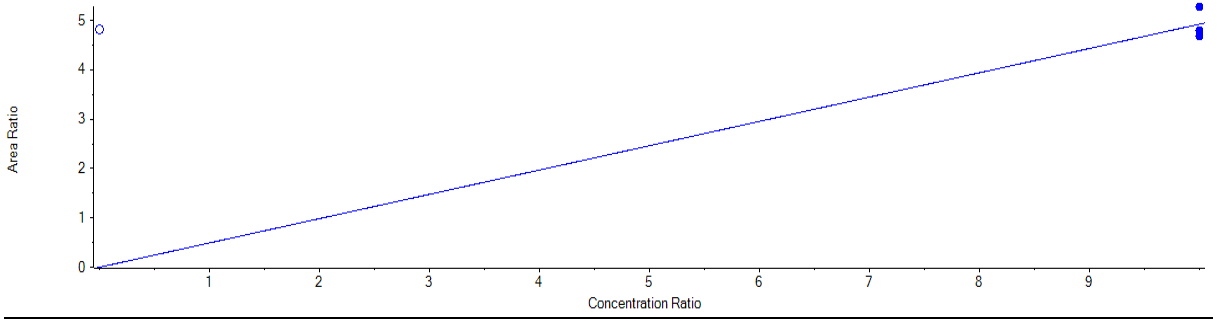
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Last Altered: 12/16/2024 8:34:29 PM
Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	2.70	526100	2469116	9.529	95.3	1.126	10982	True	1.04
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	2.71	474500	2283095	9.769	N/A	N/A	8675	False	1.39
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	N/A	611000	N/A	N/A	N/A	N/A	N/A	False	N/A
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	N/A	619500	N/A	N/A	N/A	N/A	N/A	False	N/A
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	2.70	493000	2369932	9.760	97.6	1.154	11855	True	1.11
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	N/A	541200	N/A	N/A	N/A	N/A	N/A	False	N/A
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	N/A	508400	N/A	N/A	N/A	N/A	N/A	False	N/A
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	N/A	513000	N/A	N/A	N/A	N/A	N/A	False	N/A
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	2.72	508900	2684972	10.712	107.1	1.266	10159	True	1.49

Analyte Name: TDCA
Regression Equation: Y = 1.182 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.031 Avg. RF = 1.182 RSD = 6.270 RSE = 0.000
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

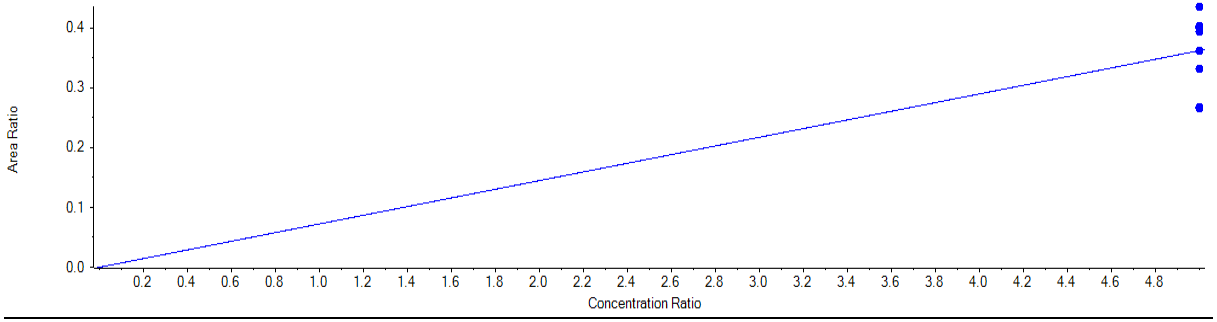
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Last Altered: 12/16/2024 8:34:29 PM
Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	1.76	346800	136715	5.444	108.9	0.187	2655	True	1.39
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	1.76	325800	87011	3.689	73.8	0.127	1665	True	1.26
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	1.76	414000	166409	5.552	111.1	0.191	3322	True	1.03
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	1.76	392300	130155	4.583	91.7	0.157	2508	True	1.20
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	1.76	326900	86617	3.659	73.2	0.126	1704	True	1.15
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	1.77	366900	132735	4.997	100.0	0.172	2638	True	1.37
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	1.76	374700	150756	5.557	111.1	0.191	2921	True	0.95
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	1.76	355900	154834	6.009	120.2	0.206	2767	True	1.46
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	1.78	358900	143140	5.509	110.2	0.189	2659	True	1.27

Analyte Name: 13C2D4-4:2FTS
Regression Equation: Y = 0.172 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.012 Avg. RF = 0.172 RSD = 17.003 RSE = 0.000
Calibration type: Average RF



Initial Calibration Report

SCIEX OS Version 3.3.1.43

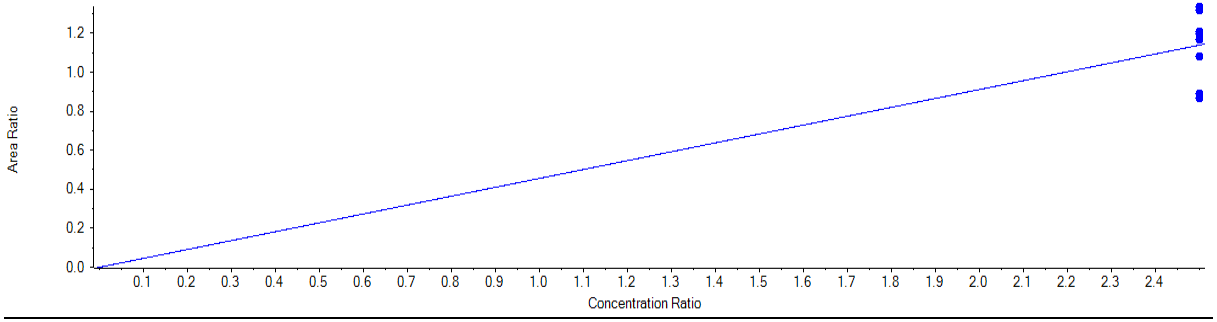
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Last Altered: 12/16/2024 8:34:29 PM
Generated: 12/16/2024 4:06:13 PM

Acquisition Method	EPA-1633F
Processing Method	EPA1633F.qmethod
Calibration	241216_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
SCI08_241216_11.wiff2	IA1633STD-.1	12/16/2024 3:07:16 PM	3.05	351400	419921	2.623	104.9	1.195	5088	True	1.03
SCI08_241216_12.wiff2	IA1633STD-.2	12/16/2024 3:16:11 PM	3.06	300200	259896	1.901	76.0	0.866	3158	True	1.30
SCI08_241216_13.wiff2	IA1633STD-.5	12/16/2024 3:25:05 PM	3.06	399400	533153	2.931	117.2	1.335	6441	True	1.09
SCI08_241216_14.wiff2	IA1633STD-2.5	12/16/2024 3:33:59 PM	3.05	396300	427406	2.367	94.7	1.078	5325	True	1.37
SCI08_241216_15.wiff2	IA1633STD-5	12/16/2024 3:42:54 PM	3.05	311100	276438	1.951	78.0	0.889	3327	True	1.46
SCI08_241216_16.wiff2	IA1633STD-12.5	12/16/2024 3:51:49 PM	3.07	374400	436265	2.558	102.3	1.165	3848	True	1.11
SCI08_241216_17.wiff2	IA1633STD-25	12/16/2024 4:00:43 PM	3.07	386500	466704	2.651	106.0	1.208	5646	True	1.01
SCI08_241216_18.wiff2	IA1633STD-50	12/16/2024 4:09:38 PM	3.05	380100	501152	2.894	115.8	1.319	5064	True	1.45
SCI08_241216_19.wiff2	IA1633STD-62.5	12/16/2024 4:18:33 PM	3.08	385100	460443	2.625	105.0	1.196	4851	True	1.07

Analyte Name: 13C2-PFOA
Regression Equation: Y = 1.139 x (r = N/A r^2 = N/A) (Weighting: None)
STD Dev. = 0.067 Avg. RF = 1.139 RSD = 14.673 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\241216\SCI08_241216_11.wiff2
Last Altered: 12/16/2024 8:34:29 PM
Generated: 12/16/2024 4:06:13 PM

Method:	EPA-1633F															
ICAL:	ICAL															
Workgroup:	WG2009822															
Date:	12/16/2024															
															Verification Calc.	
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**			**AVG RF**	**RSD**
EIS	13C4-PFBA	1.157	1.154	1.177	1.122	1.136	1.11	1.11	1.113	1.169	1.139	2.308			1.139	2.313
EIS	13C5-PFPeA	0.772	0.762	0.793	0.765	0.777	0.737	0.737	0.719	0.729	0.755	3.322			0.755	3.308
EIS	13C5-PFHxA	0.946	0.898	0.957	0.972	0.93	0.934	0.945	0.929	0.906	0.935	2.495			0.935	2.492
EIS	13C4-PFHpA	1.172	1.151	1.228	1.213	1.186	1.183	1.17	1.176	1.14	1.180	2.32			1.180	2.332
EIS	13C8-PFOA	1.358	1.408	1.347	1.327	1.408	1.22	1.2	1.208	1.127	1.289	7.926			1.289	7.919
EIS	13C9-PFNA	1.057	1.053	1.006	1.037	0.987	0.921	0.957	1.026	0.895	0.993	5.853			0.993	5.850
EIS	13C6-PFDA	1.076	1.082	1.08	1.028	1.126	0.966	1.016	0.987	1.008	1.041	5.046			1.041	5.046
EIS	13C7-PFUnA	1.126	1.214	1.103	1.126	1.192	1.09	1.071	1.089	0.941	1.106	7.086			1.106	7.068
EIS	13C2-PFDoA	0.885	0.901	0.882	0.926	0.967	0.878	0.911	0.971	0.869	0.910	4.153			0.910	4.152
EIS	13C2-PFTeDA	1.04	1.09	1.065	1.072	1.11	1.068	1.092	1.124	0.964	1.069	4.365			1.069	4.382
EIS	13C3-PFBS	1.467	1.406	1.357	1.439	1.42	1.335	1.26	1.278	1.252	1.357	5.956			1.357	5.961
EIS	13C3-PFHxS	1.176	1.121	1.172	1.174	1.189	1.149	1.114	1.115	1.144	1.151	2.509			1.150	2.507
EIS	13C8-PFOS	1.335	1.314	1.367	1.293	1.325	1.262	1.219	1.317	1.322	1.306	3.314			1.306	3.320
EIS	13C2-4:2FTS	0.13	0.124	0.115	0.129	0.123	0.116	0.13	0.139	0.145	0.128	7.73			0.128	7.686
EIS	13C2-6:2FTS	0.11	0.117	0.112	0.116	0.117	0.118	0.12	0.145	0.146	0.122	10.893			0.122	11.020
EIS	13C2-8:2FTS	0.164	0.146	0.165	0.16	0.156	0.161	0.182	0.206	0.212	0.172	13.168			0.172	13.230
EIS	13C8-PFOSA	1.949	1.937	1.966	1.895	1.878	1.718	1.784	1.847	1.914	1.876	4.337			1.876	4.347
EIS	d3-NMeFOSA	0.298	0.281	0.29	0.271	0.287	0.275	0.29	0.324	0.332	0.294	7.149			0.294	7.109
EIS	d5-NEtFOSA	0.285	0.287	0.292	0.262	0.289	0.269	0.292	0.32	0.322	0.291	6.914			0.291	6.859
EIS	d3-NMeFOSAA	0.212	0.218	0.217	0.213	0.223	0.225	0.245	0.265	0.292	0.235	11.712			0.234	11.794
EIS	d5-NEtFOSAA	0.193	0.193	0.2	0.183	0.188	0.182	0.198	0.212	0.229	0.197	7.551			0.198	7.572
EIS	d7-NMeFOSE	0.21	0.211	0.212	0.2	0.209	0.197	0.206	0.22	0.238	0.211	5.62			0.211	5.686
EIS	d9-NEtFOSE	0.264	0.26	0.258	0.239	0.253	0.246	0.262	0.282	0.288	0.261	6.018			0.261	5.993
EIS	13C3-HFPO-DA	0.918	0.855	0.906	0.889	0.897	0.848	0.833	0.782	0.796	0.858	5.66			0.858	5.639
NIS	13C3-PFBA	1.099	0.967	1.229	1.195	0.943	1.004	0.948	0.818	0.797	1.000	15.055			1.000	15.069
NIS	13C2-PFHxA	1.012	0.918	1.126	1.115	0.902	1.002	0.999	0.96	0.966	1.000	7.781			1.000	7.773
NIS	13C4-PFOA	0.963	0.823	1.094	1.086	0.852	1.026	1.059	1.042	1.055	1.000	9.992			1.000	9.986
NIS	13C5-PFNA	0.957	0.855	1.125	1.127	0.908	1.024	1.019	0.956	1.029	1.000	9.136			1.000	9.138
NIS	13C2-PFDA	0.994	0.853	1.161	1.16	0.838	0.989	0.997	0.937	1.072	1.000	11.669			1.000	11.655
NIS	18O2-PFHxS	0.957	0.899	1.142	1.082	0.902	1.012	1.034	0.982	0.99	1.000	7.932			1.000	7.927
NIS	13C4-PFOS	0.965	0.884	1.095	1.174	0.912	1.051	1.021	0.954	0.943	1.000	9.364			1.000	9.364

Initial Calibration Report

SCIEX OS Version 3.3.1.43

Alpha Analytical Inc.
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_11.wiff2
Last Altered: 12/16/2024 8:34:29 PM
Generated: 12/16/2024 4:06:13 PM

Analyte	Expected Ratio	Lower Limt	Upper Limt	NIS Analyte	AVG. NIS Area
PFBA	N/A	N/A	N/A	13C3-PFBA	493440
PFPeA	0.008	N/A	N/A	13C2-PFHxA	341971
PFHxA	0.084	0.042	0.126	13C4-PFOA	364928
PFHpA	0.404	0.202	0.606	13C5-PFNA	232014
PFOA	0.562	0.281	0.843	13C2-PFDA	284640
PFNA	0.462	0.231	0.693	18O2-PFHxS	362463
PFDA	0.264	0.132	0.396	13C4-PFOS	408188
PFUnA	0.204	0.102	0.306	N/A	N/A
PFDoA	0.194	0.097	0.291	N/A	N/A
PFTrDA	0.193	0.0965	0.2895	N/A	N/A
PFTeDA	0.163	0.0815	0.2445	N/A	N/A
PFBS	0.353	0.1765	0.5295	N/A	N/A
PFPeS	0.294	0.147	0.441	N/A	N/A
PFHxS	0.292	0.146	0.438	N/A	N/A
PFHpS	0.274	0.137	0.411	N/A	N/A
PFOS	0.223	0.1115	0.3345	N/A	N/A
PFNS	0.281	0.1405	0.4215	N/A	N/A
PFDS	0.267	0.1335	0.4005	N/A	N/A
PFDoS	0.225	0.1125	0.3375	N/A	N/A
4:2FTS	0.637	0.3185	0.9555	N/A	N/A
6:2FTS	0.571	0.2855	0.8565	N/A	N/A
8:2FTS	0.758	0.379	1.137	N/A	N/A
PFOSA	0.023	0.0115	0.0345	N/A	N/A
NMeFOSA	1.447	0.7235	2.1705	N/A	N/A
NEtFOSA	1.299	0.6495	1.9485	N/A	N/A
NMeFOSAA	0.605	0.3025	0.9075	N/A	N/A
NEtFOSAA	0.518	0.259	0.777	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	0.474	0.237	0.711	N/A	N/A
ADONA	0.74	0.37	1.11	N/A	N/A
9Cl-PF3ONS	0.34	0.17	0.51	N/A	N/A
11Cl-PF3OUdS	0.328	0.164	0.492	N/A	N/A
3:3FTCA	0.996	0.498	1.494	N/A	N/A
5:3FTCA	1.037	0.5185	1.5555	N/A	N/A
7:3FTCA	1.181	0.5905	1.7715	N/A	N/A
PFEESA	0.078	0.039	0.117	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\241216\SCI08_241216_11.wiff2_1
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

Method: EPA1633F.qmethod
Calibration: 241216_EPA1633_ICAL

ID: IA1633STD-.1
Name: SCI08_241216_11.wiff2
Date & Time: 2024-12-16T15:07:16
Description: WG2009822,,EPA1633F_241008_CAL_L1
Instrument: SCIEX Triple Quad 5500+
User: LCMS08:JW

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.63	213.0 / 169.0	36307		0.350	N/A	N/A	N/A	87.4
2	PFPeA	2706-90-3	1.23	263.0 / 219.0	18402		0.191	0.008	0.008	Pass	95.4
3	PFPeA_2	2706-90-3	1.23	263.0 / 68.9	140	m2	0.178	0.008	0.008	Pass	88.8
4	PFHxA	307-24-4	1.99	313.0 / 269.0	15153	m2	0.109	0.053	0.084	Pass	109.2
5	PFHxA_2	307-24-4	2.00	313.0 / 119.0	805		0.072	0.053	0.084	Pass	72.5
6	PFHpA	375-85-9	2.57	363.1 / 319.0	14478		0.105	0.320	0.404	Pass	104.9
7	PFHpA_2	375-85-9	2.57	363.1 / 169.0	4638		0.079	0.320	0.404	Pass	79.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	3.06	413.1 / 369.1	12145	m5	0.091	0.560	0.562	Pass	91.3
9	PFOA_2	335-67-1	3.06	413.1 / 169.0	6796	m5	0.098	0.560	0.562	Pass	97.9
10	PFNA	375-95-1	3.52	462.8 / 418.9	10155	m5	0.090	0.516	0.464	Pass	89.8
11	PFNA_2	375-95-1	3.51	462.8 / 219.0	5237	m5	0.102	0.516	0.464	Pass	101.8
12	PFDA	335-76-2	3.95	513.1 / 469.1	13512		0.086	0.307	0.264	Pass	85.9
13	PFDA_2	335-76-2	3.95	513.1 / 219.0	4149		0.104	0.307	0.264	Pass	103.8
14	PFUnA	2058-94-8	4.37	563.1 / 519.1	15053		0.091	0.200	0.204	Pass	91.3
15	PFUnA_2	2058-94-8	4.38	563.1 / 269.0	3016		0.088	0.200	0.204	Pass	88.3
16	PFDoA	307-55-1	4.79	613.1 / 569.1	16018		0.089	0.251	0.194	Pass	89.5
17	PFDoA_2	307-55-1	4.79	613.1 / 319.0	4017		0.110	0.251	0.194	Pass	110.2
18	PFTrDA	72629-94-8	5.19	663.1 / 619.1	17266		0.085	0.182	0.193	Pass	85.1
19	PFTrDA_2	72629-94-8	5.19	663.1 / 169.0	3151		0.083	0.182	0.193	Pass	83.4
20	PFTeDA	376-06-7	5.59	713.1 / 669.1	20895		0.091	0.161	0.163	Pass	90.7
21	PFTeDA_2	376-06-7	5.59	713.1 / 169.0	3359		0.092	0.161	0.163	Pass	91.8
22	PFBS	375-73-5	2.01	299.1 / 80.1	15862		0.078	0.408	0.353	Pass	88.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	2.00	299.1 / 99.1	6476		0.093	0.408	0.353	Pass	104.2
24	PFPeS	2706-91-4	2.65	349.1 / 80.1	17130		0.094	0.226	0.294	Pass	100.3
25	PFPeS_2	2706-91-4	2.65	349.1 / 99.1	3877		0.077	0.226	0.294	Pass	81.9
26	PFHxS	355-46-4	3.18	399.1 / 80.1	14393	m5	0.086	0.309	0.292	Pass	94.8
27	PFHxS_2	355-46-4	3.18	399.1 / 99.1	4454	m5	0.091	0.309	0.292	Pass	100.4
28	PFHpS	375-92-8	3.66	449.1 / 80.1	16638		0.097	0.249	0.274	Pass	102.4
29	PFHpS_2	375-92-8	3.66	449.1 / 99.1	4137		0.092	0.249	0.274	Pass	96.4
30	PFOS	1763-23-1	4.11	499.1 / 80.1	22753	m5	0.101	0.176	0.223	Pass	109.0
31	PFOS_2	1763-23-1	4.12	499.1 / 99.1	3994	m5	0.085	0.176	0.223	Pass	91.0
32	PFNS	68259-12-1	4.55	549.1 / 80.1	16474		0.084	0.298	0.281	Pass	87.9
33	PFNS_2	68259-12-1	4.55	549.1 / 99.1	4912		0.090	0.298	0.281	Pass	93.7
34	PFDS	335-77-3	4.97	599.1 / 80.1	16994		0.082	0.267	0.267	Pass	85.5
35	PFDS_2	335-77-3	4.97	599.1 / 99.1	4542		0.082	0.267	0.267	Pass	85.9
36	PFDoS	79780-39-5	5.75	699.2 / 80.1	19793		0.088	0.207	0.225	Pass	91.1
37	PFDoS_2	79780-39-5	5.75	699.2 / 99.1	4101		0.082	0.207	0.225	Pass	84.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	1.77	327.1 / 307.1	12974		0.431	0.682	0.637	Pass	115.0
39	4:2FTS_2	757124-72-4	1.77	327.1 / 81.1	8848		0.447	0.682	0.637	Pass	119.1
40	6:2FTS	27619-97-2	2.87	427.2 / 407.2	9265		0.365	0.732	0.571	Pass	96.1
41	6:2FTS_2	27619-97-2	2.86	427.2 / 81.1	6780		0.435	0.732	0.571	Pass	114.4
42	8:2FTS	39108-34-4	3.75	527.2 / 507.2	8023		0.307	0.932	0.758	Pass	79.9
43	8:2FTS_2	39108-34-4	3.75	527.2 / 81.1	7473		0.367	0.932	0.758	Pass	95.6
44	PFOSA	754-91-6	5.19	498.1 / 78.1	23110	m5	0.091	0.034	0.023	Pass	90.9
45	PFOSA_2	754-91-6	5.19	498.1 / 478.0	784	m5	0.120	0.034	0.023	Pass	119.7
46	NMeFOSA	31506-32-8	5.93	512.2 / 219.0	4556	m5	0.084	1.674	1.447	Pass	83.6
47	NMeFOSA_2	31506-32-8	5.88	512.2 / 169.0	7628	m5	0.096	1.674	1.447	Pass	96.3
48	NEtFOSA	4151-50-2	6.22	526.2 / 219.0	4863	m5	0.091	1.343	1.299	Pass	91.5
49	NEtFOSA_2	4151-50-2	6.18	526.2 / 169.0	6530	m5	0.094	1.343	1.299	Pass	94.0
50	NMeFOSAA	2355-31-9	4.05	570.2 / 419.1	3543	m5	0.116	0.629	0.605	Pass	115.7
51	NMeFOSAA_2	2355-31-9	4.05	570.2 / 483.0	2228	m5	0.119	0.629	0.605	Pass	119.2
52	NEtFOSAA	2991-50-6	4.26	584.2 / 419.1	3471	m5	0.107	0.382	0.518	Pass	107.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.26	584.2 / 526.2	1327	m5	0.082	0.382	0.518	Pass	82.3
54	NMeFOSE	24448-09-7	5.79	616.1 / 58.9	69917	m5	0.924	N/A	N/A	N/A	92.4
55	NEtFOSE	1691-99-2	6.09	630.0 / 58.9	90068	m5	0.913	N/A	N/A	N/A	91.3
56	HFPO-DA	13252-13-6	2.21	285.0 / 169.0	41763		0.345	0.489	0.474	Pass	86.3
57	HFPO-DA_2	13252-13-6	2.21	285.0 / 184.9	20432		0.356	0.489	0.474	Pass	89.1
58	ADONA	919005-14-4	2.75	376.9 / 251.0	91018		0.376	0.773	0.740	Pass	99.6
59	ADONA_2	919005-14-4	2.75	376.9 / 84.8	70370		0.408	0.773	0.740	Pass	107.9
60	9Cl-PF3ONS	756426-58-1	4.41	530.8 / 351.1	130577		0.377	0.345	0.340	Pass	100.9
61	9Cl-PF3ONS_2	756426-58-1	4.41	532.8 / 353.0	45009		0.386	0.345	0.340	Pass	103.5
62	11Cl-PF3OUdS	763051-92-9	5.24	630.9 / 451.0	140295		0.385	0.315	0.328	Pass	102.1
63	11Cl-PF3OUdS_2	763051-92-9	5.24	632.9 / 452.9	44175		0.364	0.315	0.328	Pass	96.7
64	3:3FTCA	356-02-5	1.57	241.1 / 177.1	4332		0.510	0.853	0.996	Pass	101.9
65	3:3FTCA_2	356-02-5	1.56	241.1 / 117.0	3696	m4	0.447	0.853	0.996	Pass	89.4
66	5:3FTCA	914637-49-3	3.01	341.1 / 237.1	75894		2.293	1.061	1.037	Pass	91.7
67	5:3FTCA_2	914637-49-3	3.02	341.1 / 217.0	80552		2.348	1.061	1.037	Pass	93.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	4.04	441.1 / 316.9	70263		2.060	1.296	1.181	Pass	82.4
69	7:3FTCA_2	812-70-4	4.04	441.1 / 337.1	91026		2.339	1.296	1.181	Pass	93.5
70	PFEESA	113507-82-7	2.31	315.1 / 135.0	82256		0.168	0.092	0.078	Pass	94.5
71	PFEESA_2	113507-82-7	2.32	315.1 / 82.9	7552		0.188	0.092	0.078	Pass	105.4
72	PFMPA	377-73-1	0.79	229.0 / 85.0	19793		0.164	N/A	N/A	N/A	82.2
73	PFMBA	863090-89-5	1.49	279.0 / 85.0	26686		0.187	N/A	N/A	N/A	93.4
74	NFDHA	151772-58-6	1.91	295.0 / 201.0	11569		0.198	0.753	0.765	Pass	98.8
75	NFDHA_2	151772-58-6	1.92	295.0 / 84.9	8717		0.191	0.753	0.765	Pass	95.6
76	TDCA	516-50-7	2.70	499.1 / 124.1	2469116		9.529	5.869	5.845	Pass	95.3
77	TDCA_2	516-50-7	2.70	499.1 / 79.9	14492203		9.539	5.869	5.845	Pass	95.4
78	13C2D4-4:2FTS	Surr	1.76	333.2 / 312.1	136715		5.444	N/A	N/A	N/A	108.9
79	13C2-PFOA	Surr	3.05	415.0 / 370.0	419921		2.623	N/A	N/A	N/A	104.9

	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	1255029		10.162	NA	NA	NA	101.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.23	268.0 / 223.0	534728		5.114	NA	NA	NA	102.3
	13C5-PFHxA	EIS	1.99	318.0 / 273.0	327690		2.531	NA	NA	NA	101.2
	13C4-PFHpA	EIS	2.57	367.0 / 322.0	405835		2.483	NA	NA	NA	99.3
	13C8-PFOA	EIS	3.05	420.8 / 376.0	477187		2.634	NA	NA	NA	105.4
	13C9-PFNA	EIS	3.51	472.0 / 427.0	234730		1.330	NA	NA	NA	106.4
	13C6-PFDA	EIS	3.95	519.0 / 474.0	304592		1.292	NA	NA	NA	103.4
	13C7-PFUnA	EIS	4.37	570.0 / 525.0	318788		1.273	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	4.78	615.1 / 570.0	250541		1.216	NA	NA	NA	97.3
	13C2-PFTeDA	EIS	5.58	715.1 / 670.1	294360		1.216	NA	NA	NA	97.3
	13C3-PFBS	EIS	2.00	302.1 / 80.1	500367		2.520	NA	NA	NA	108.1
	13C3-PFHxS	EIS	3.18	402.1 / 80.1	407874		2.421	NA	NA	NA	102.2
	13C8-PFOS	EIS	4.11	507.1 / 80.1	526059		2.454	NA	NA	NA	102.3
	13C2-4:2FTS	EIS	1.77	329.1 / 81.1	89273		4.766	NA	NA	NA	101.6
	13C2-6:2FTS	EIS	2.86	429.2 / 81.1	76889		4.306	NA	NA	NA	90.5
	13C2-8:2FTS	EIS	3.75	529.2 / 81.1	115315		4.581	NA	NA	NA	95.4

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C8-PFOSA	EIS	5.18	506.1 / 78.1	799553		2.597	NA	NA	NA	103.9
d3-NMeFOSA	EIS	5.92	515.2 / 219.0	122382		2.536	NA	NA	NA	101.4
d5-NEtFOSA	EIS	6.21	531.2 / 219.0	116865		2.447	NA	NA	NA	97.9
d3-NMeFOSAA	EIS	4.04	573.2 / 419.1	174171		4.516	NA	NA	NA	90.3
d5-NEtFOSAA	EIS	4.25	589.3 / 419.1	157999		4.886	NA	NA	NA	97.7
d7-NMeFOSE	EIS	5.77	623.2 / 58.9	862708		24.910	NA	NA	NA	99.6
d9-NEtFOSE	EIS	6.07	639.2 / 58.9	1084724		25.321	NA	NA	NA	101.3

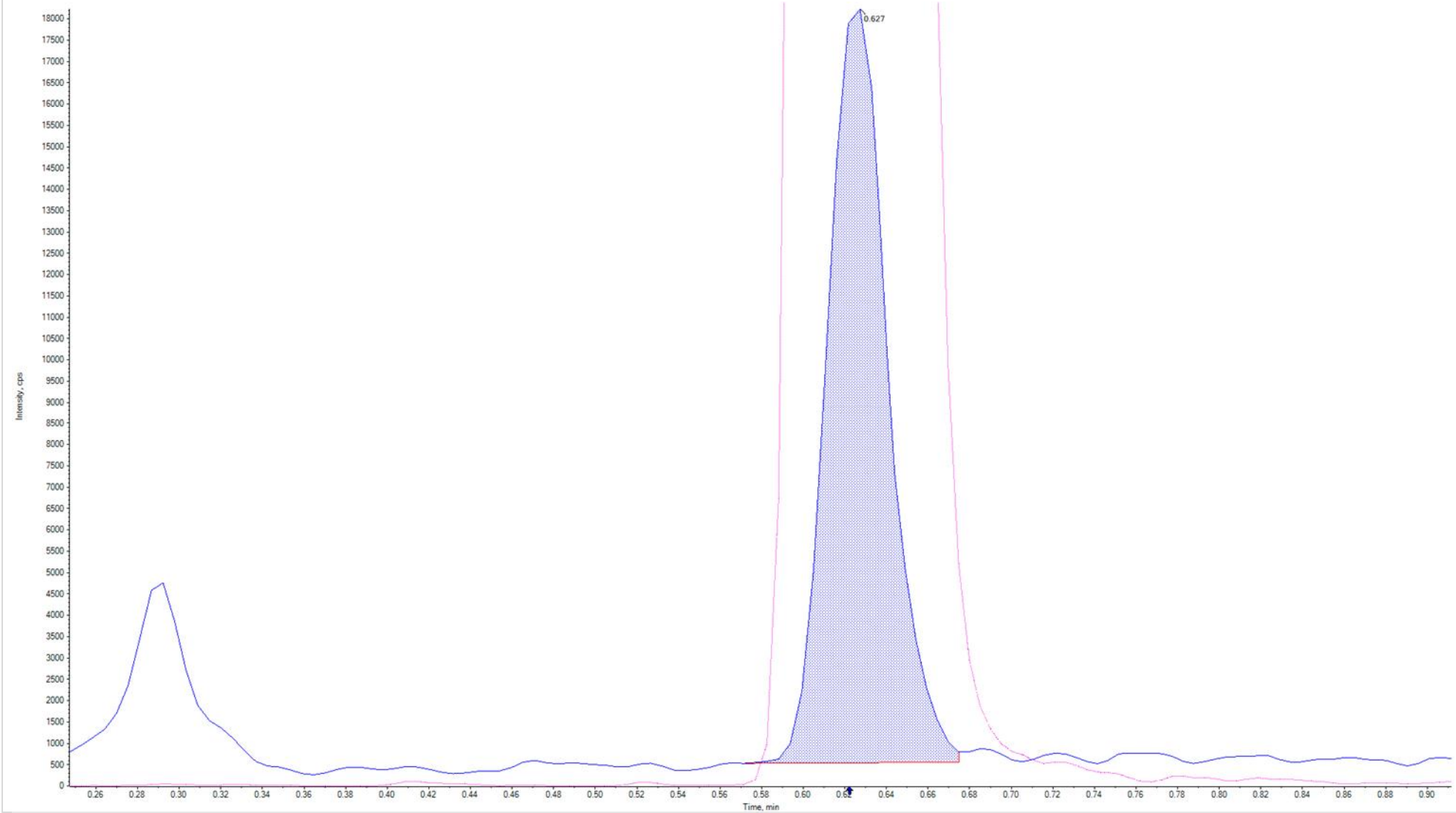
	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.21	287.0 / 169.0	1271656		10.702	NA	NA	NA	107.0
	13C3-PFBA	NIS	0.62	216.0 / 172.0	542142		5.493	NA	NA	NA	109.9
	13C2-PFHxA	NIS	1.99	315.0 / 270.0	346224		2.531	NA	NA	NA	101.2
	13C4-PFOA	NIS	3.05	417.0 / 372.0	351394		2.407	NA	NA	NA	96.3
	13C5-PFNA	NIS	3.51	468.0 / 423.0	222104		1.197	NA	NA	NA	95.7
	13C2-PFDA	NIS	3.94	515.1 / 470.1	283054		1.243	NA	NA	NA	99.4
	18O2-PFHxS	NIS	3.17	403.1 / 84.1	346842		2.268	NA	NA	NA	95.7
	13C4-PFOS	NIS	4.11	503.1 / 80.1	393923		2.316	NA	NA	NA	96.5

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

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

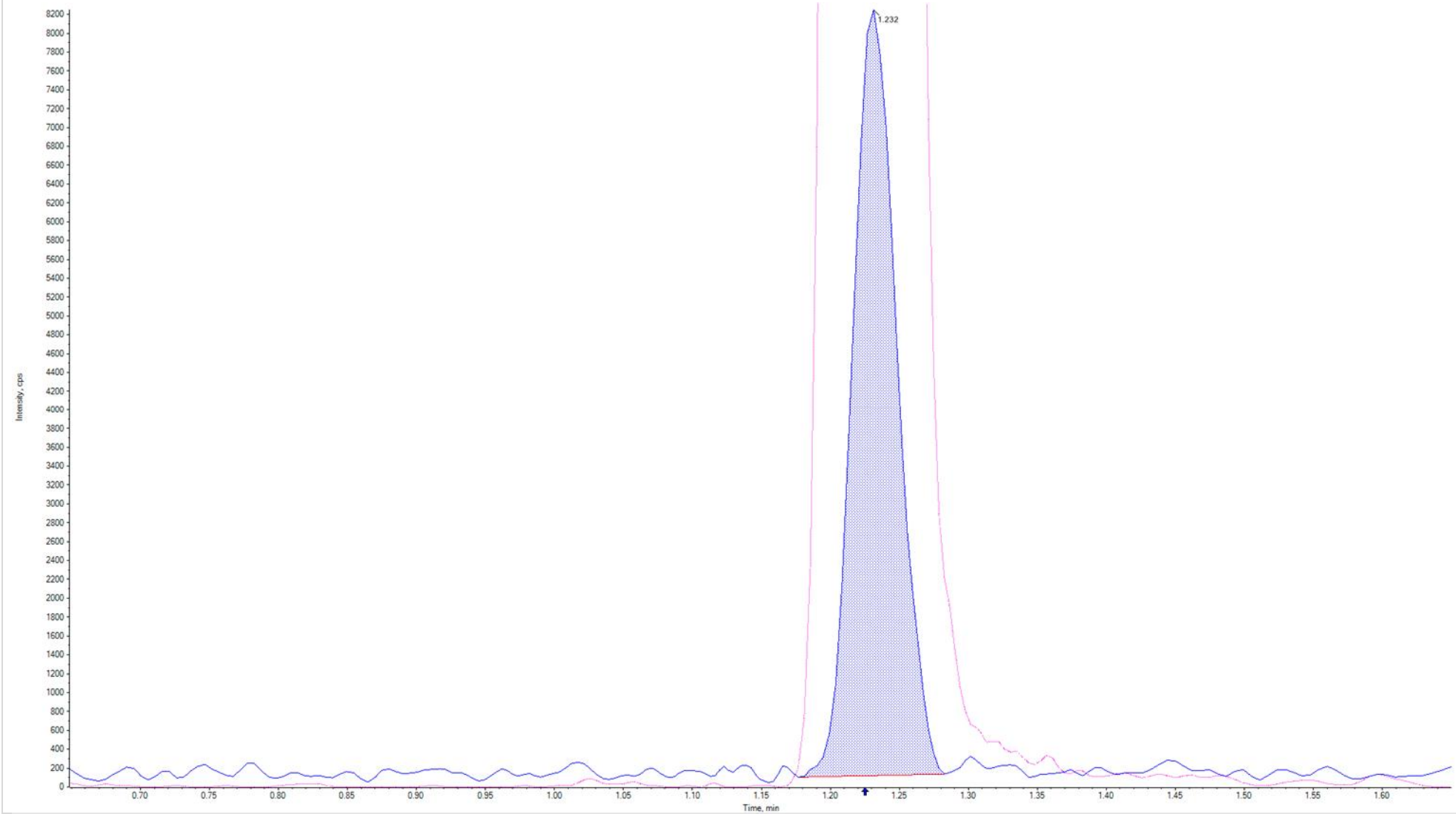
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Alpha Analytical LLC
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PFBA
Sample: IA1633STD-.1 S/N:250.4 Points Across peak:21



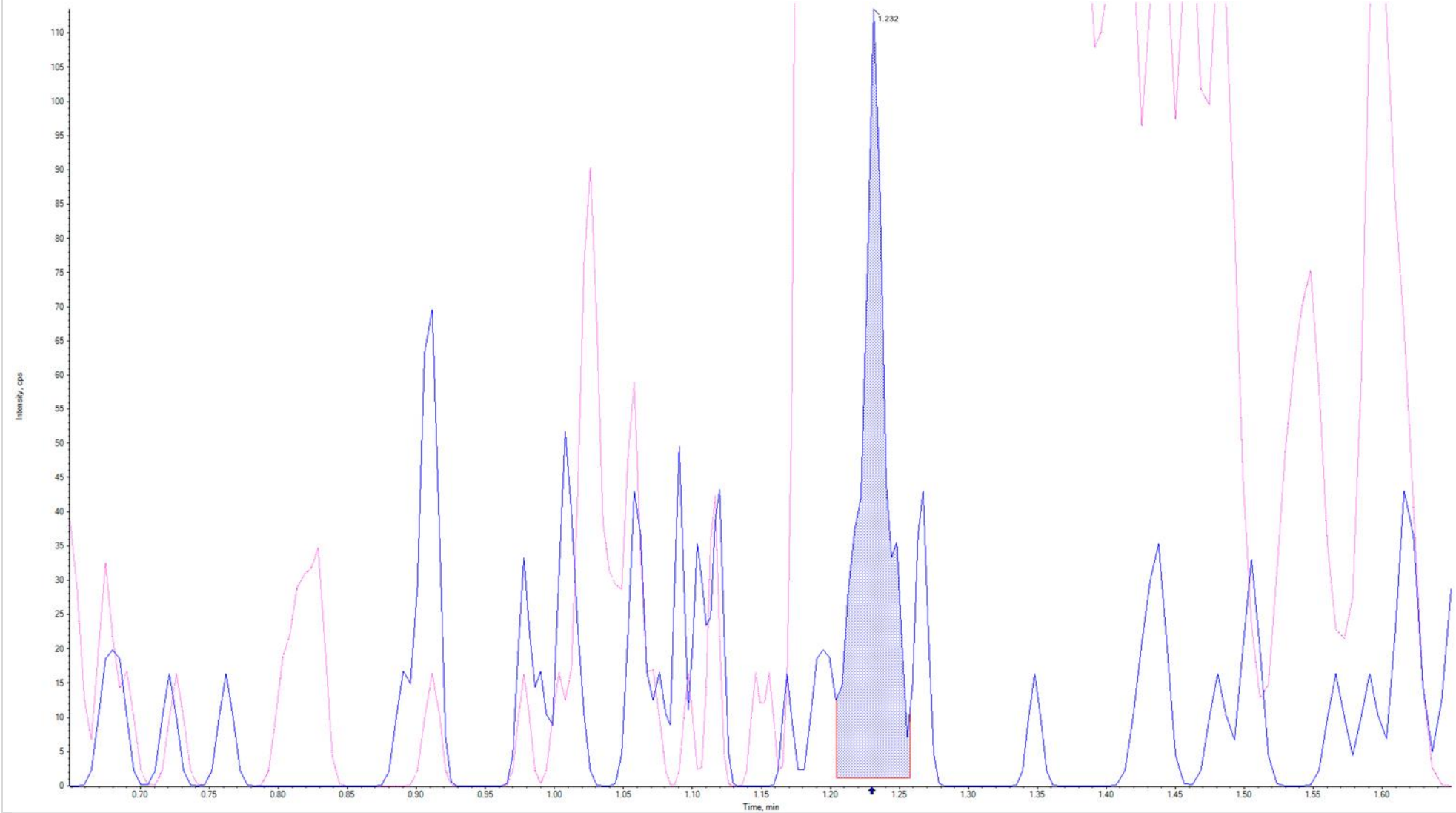
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PFPeA
Sample: IA1633STD-.1 S/N:386.1 Points Across peak:26



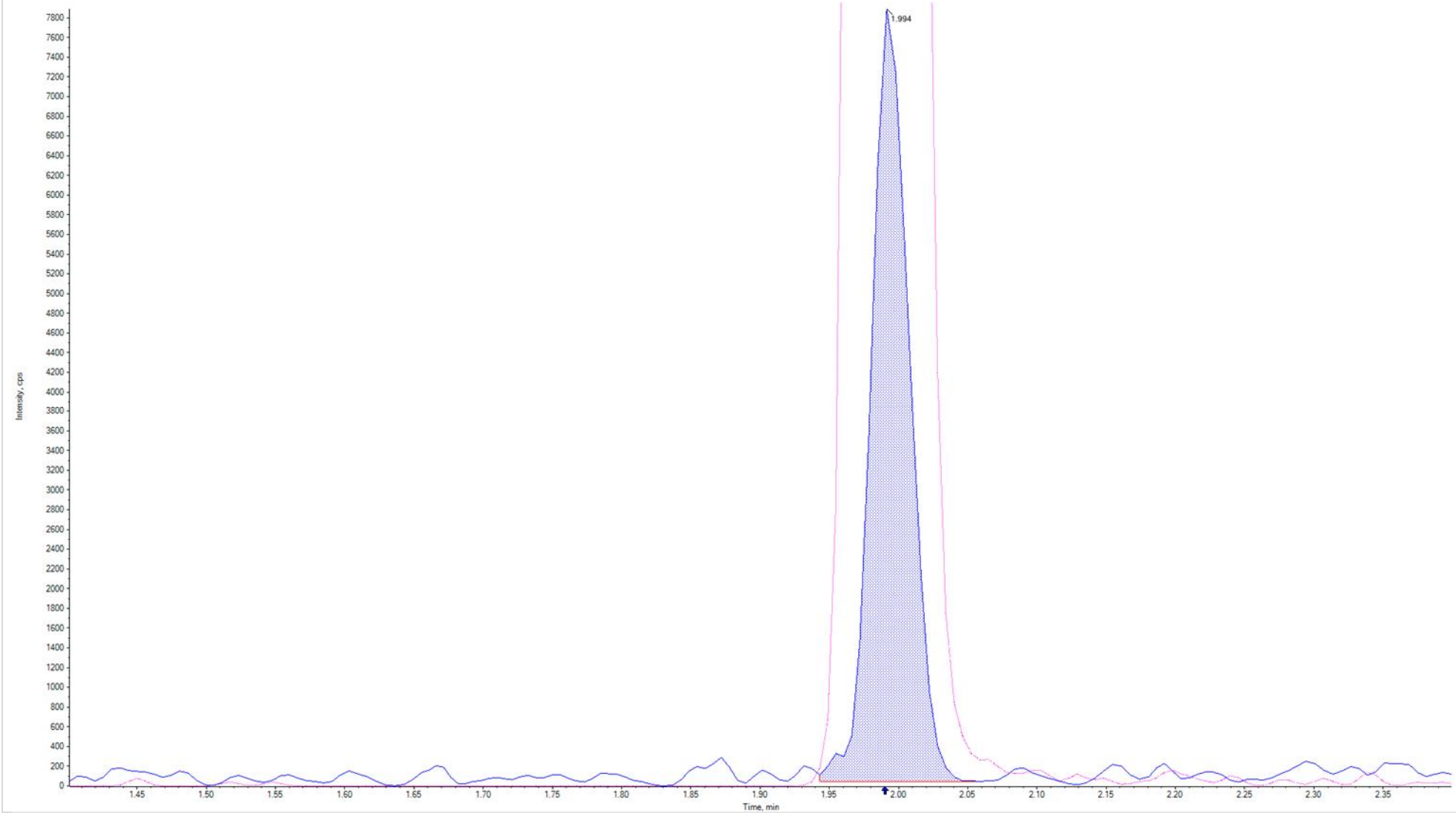
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PFPeA_2
Sample: IA1633STD-.1 S/N:6.8 Points Across peak:14



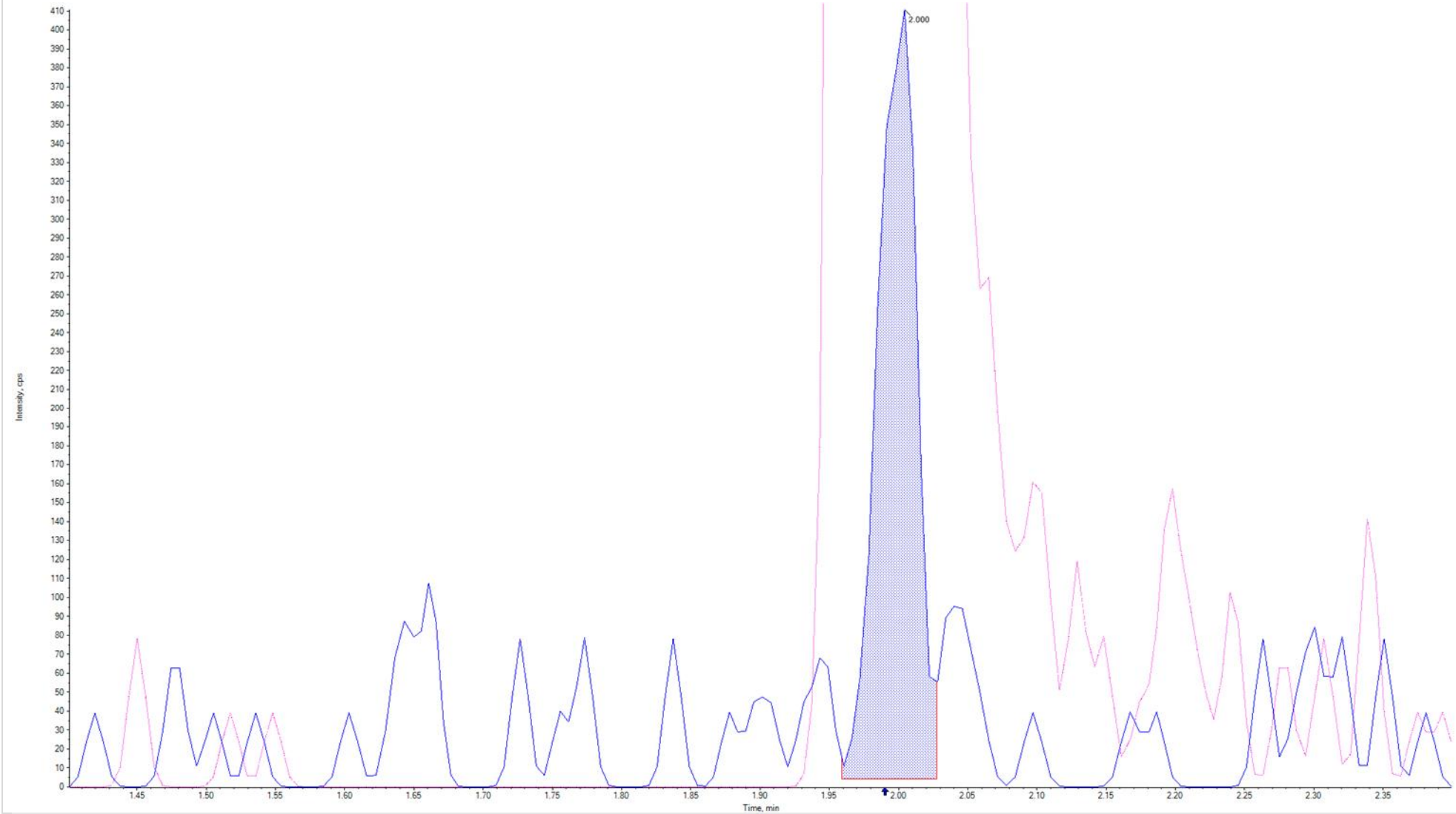
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PFHxA
Sample: IA1633STD-.1 S/N:196.5 Points Across peak:20



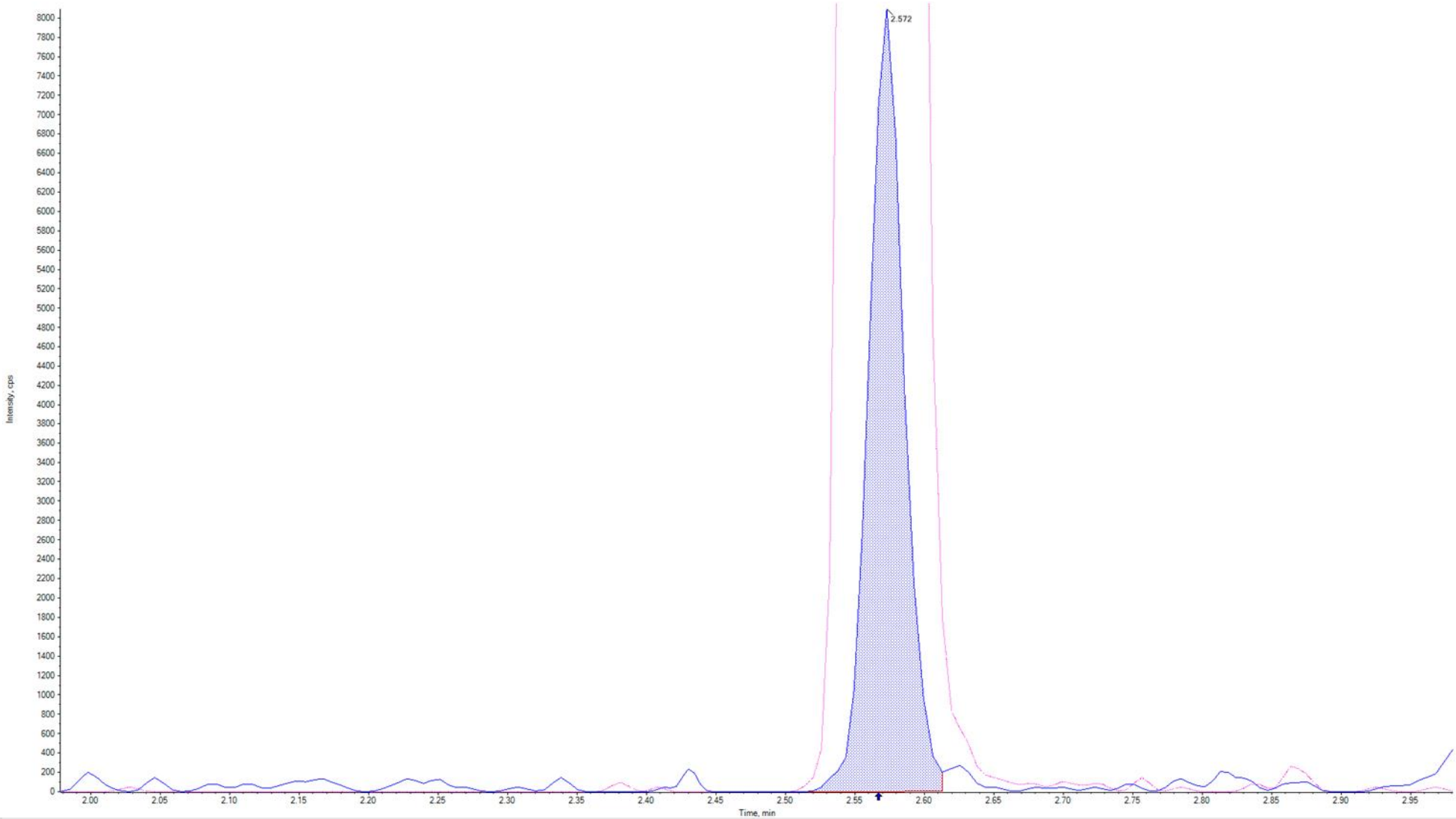
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Alpha Analytical LLC
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PFHxA_2
Sample: IA1633STD-.1 S/N:10.2 Points Across peak:13



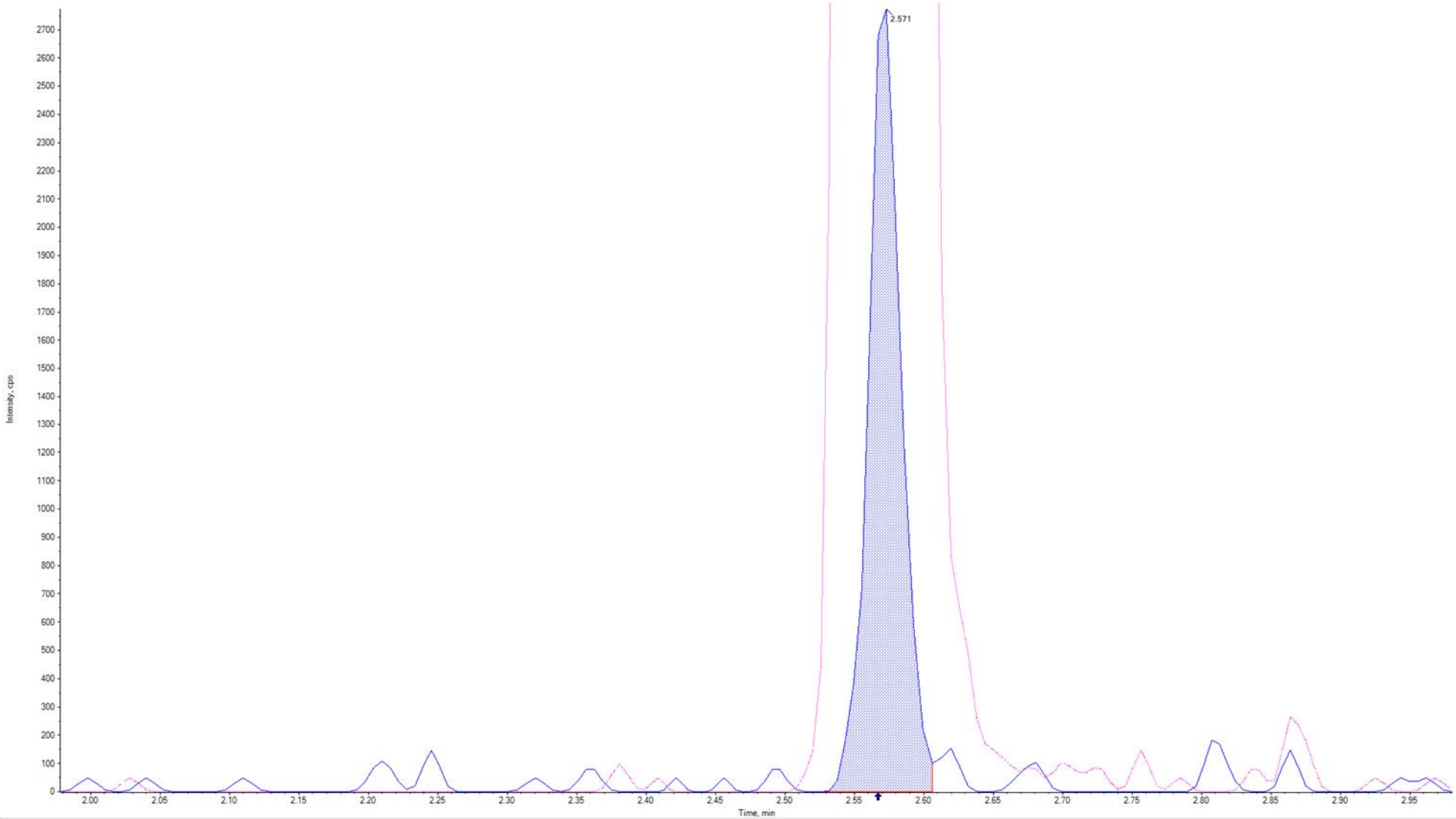
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Alpha Analytical LLC
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PFHpA
Sample: IA1633STD-.1 S/N:162.2 Points Across peak:18



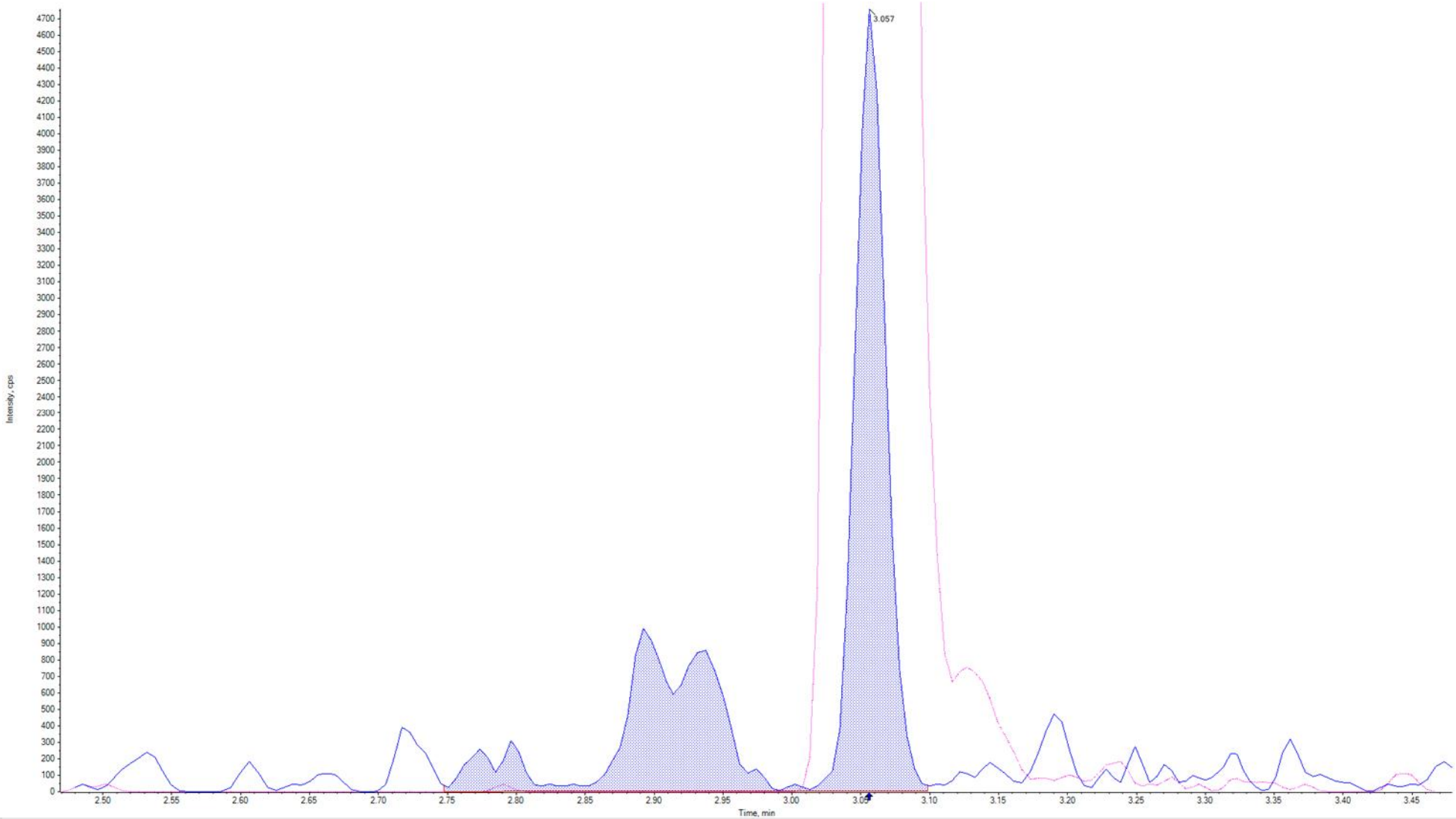
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Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

PFHpA_2
Sample: IA1633STD-.1 S/N:55.6 Points Across peak:15



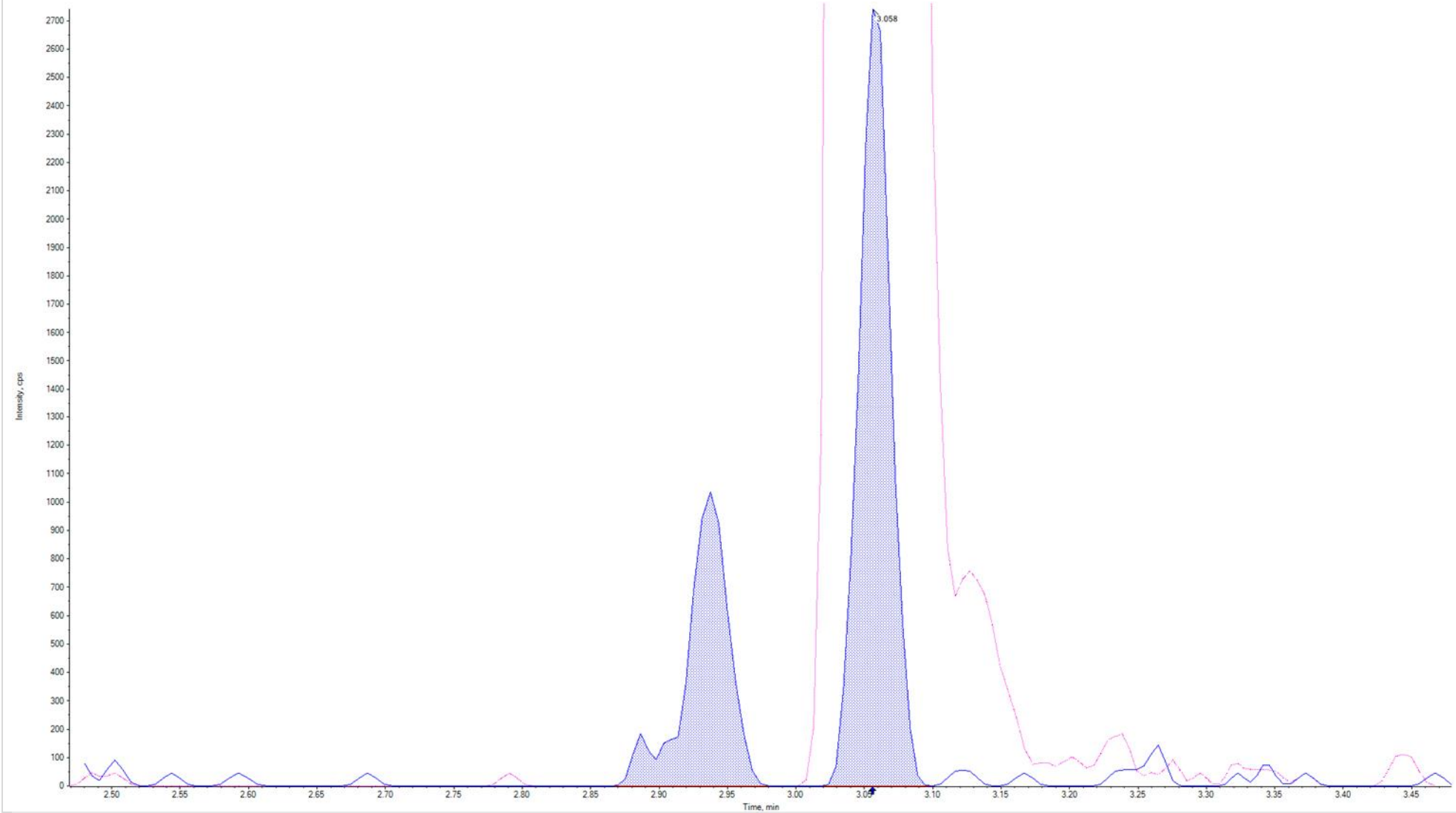
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Alpha Analytical LLC
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PFOA
Sample: IA1633STD-.1 S/N:76.4 Points Across peak:64



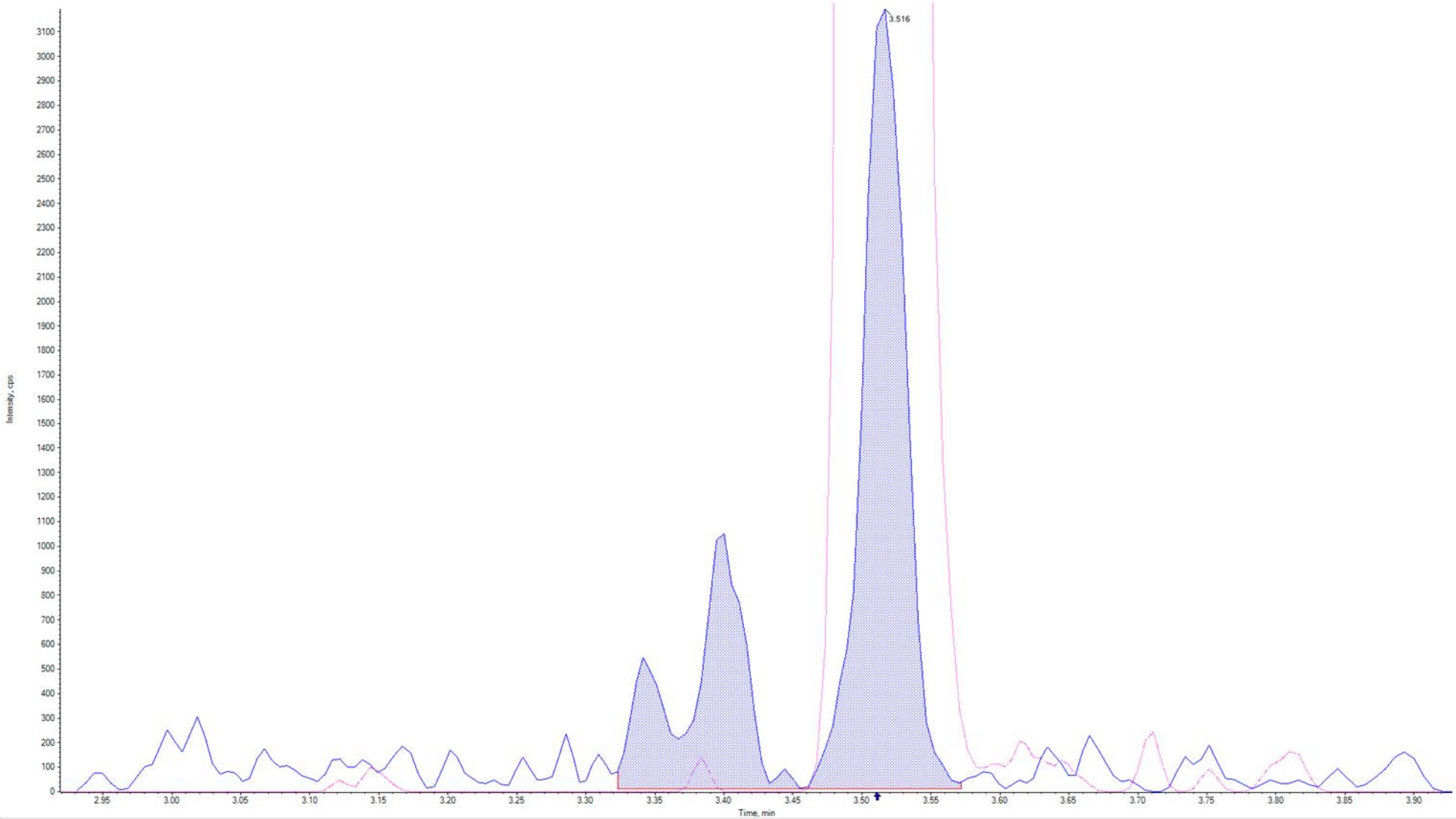
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PFOA_2
Sample: IA1633STD-.1 S/N:61.8 Points Across peak:46



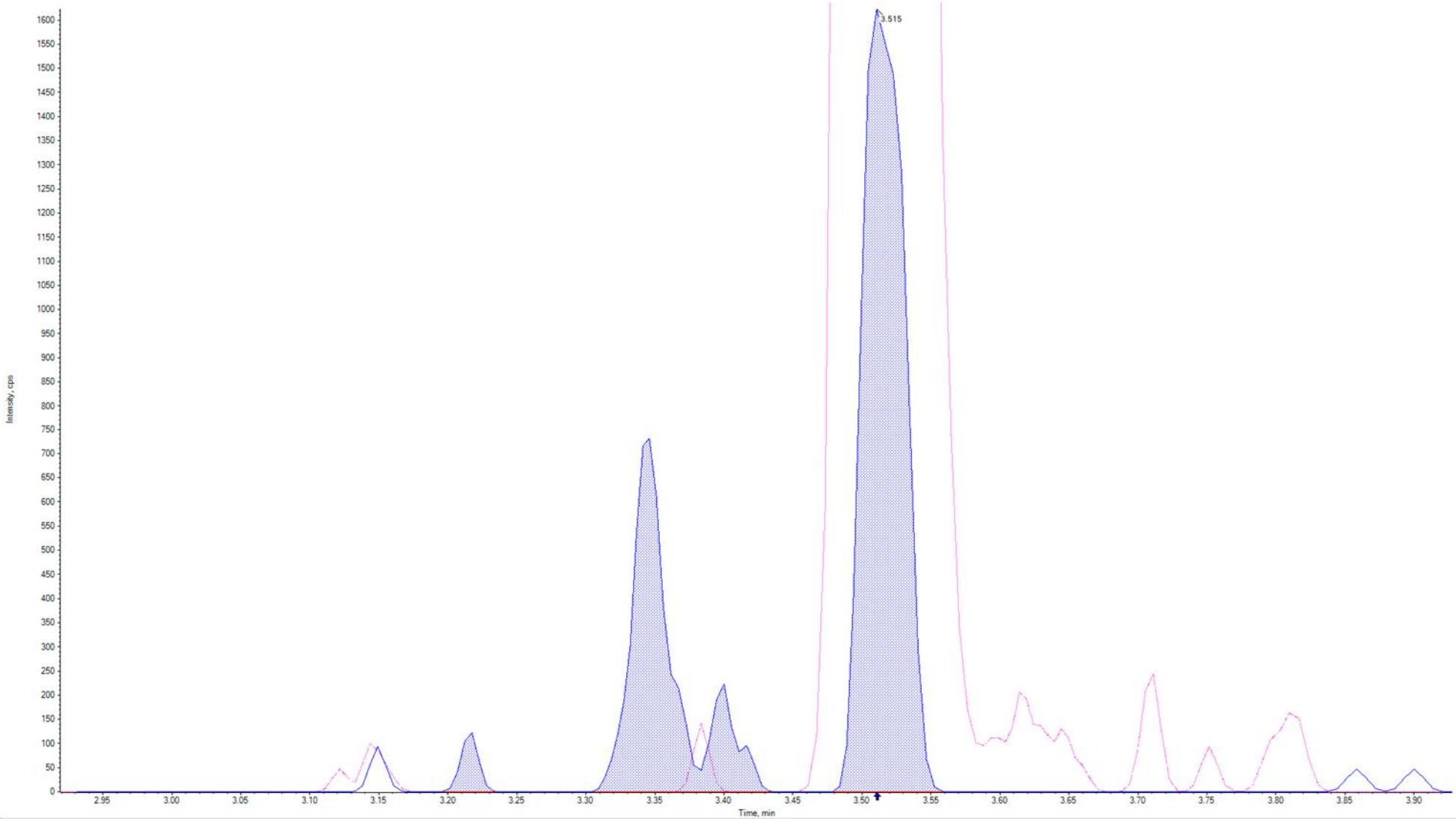
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PFNA
Sample: IA1633STD-.1 S/N:65.8 Points Across peak:47



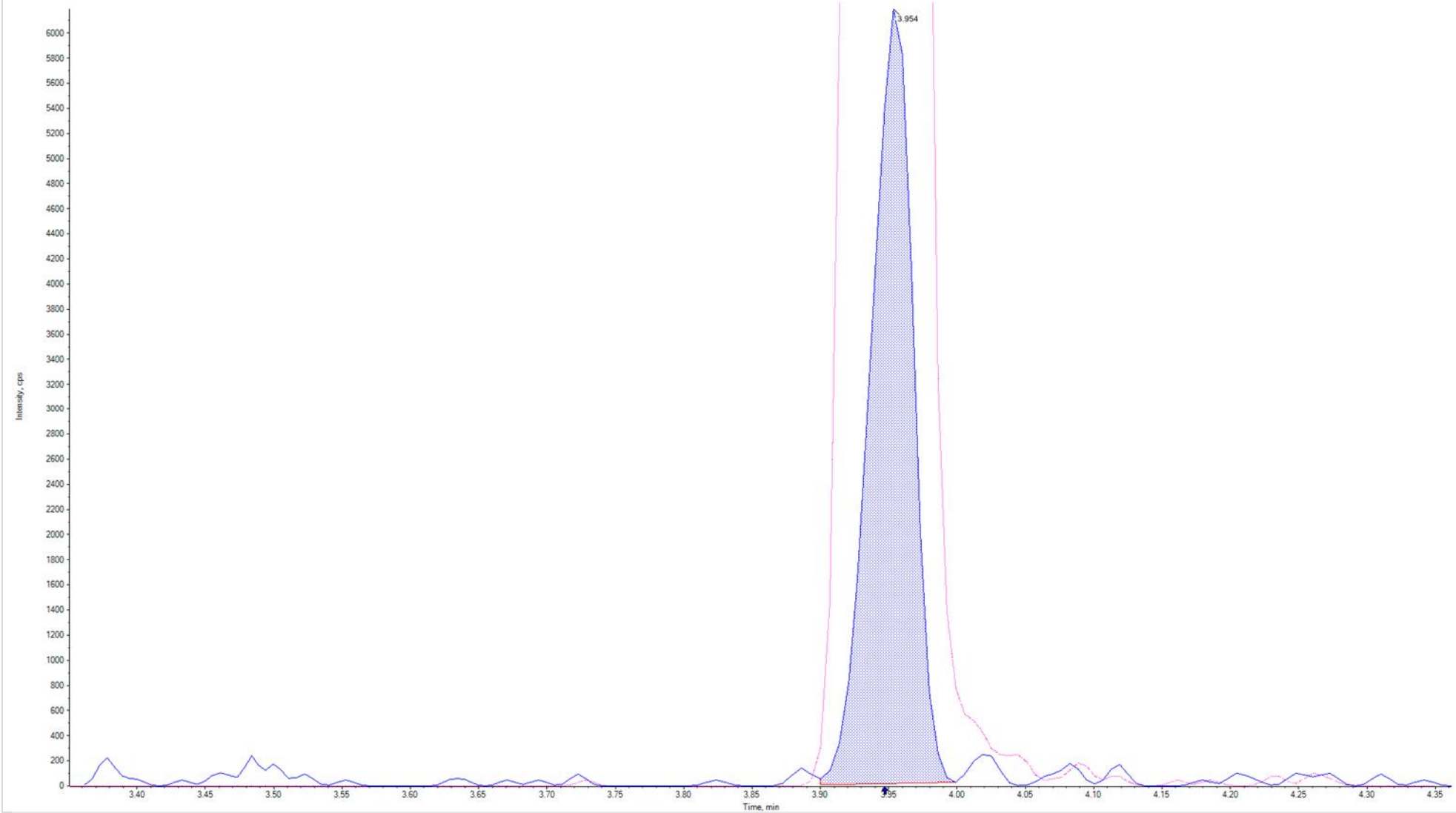
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PFNA_2
Sample: IA1633STD-.1 S/N:36.6 Points Across peak:75



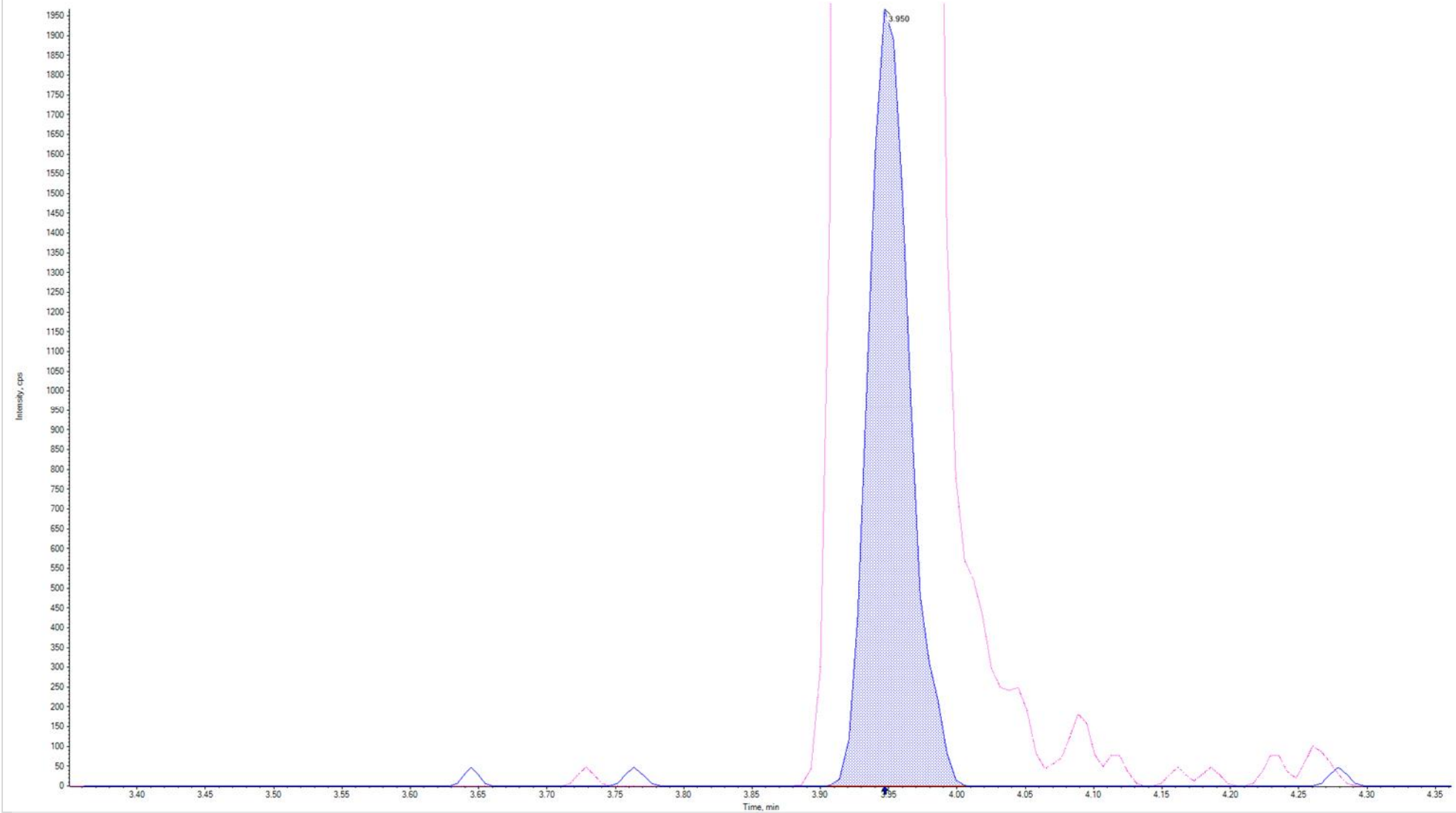
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PFDA
Sample: IA1633STD-.1 S/N:123.7 Points Across peak:16



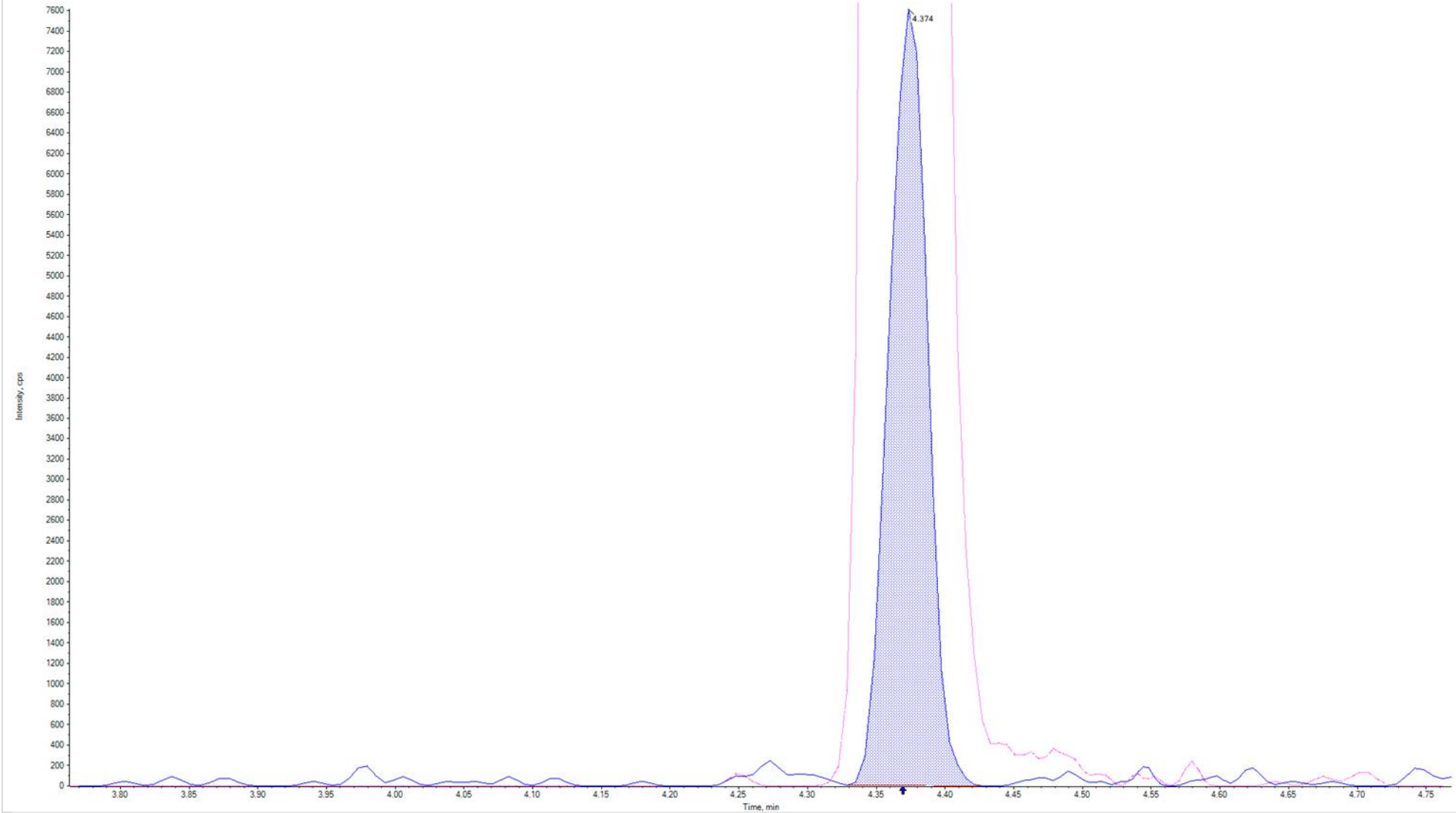
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PFDA_2
Sample: IA1633STD-.1 S/N:39.4 Points Across peak:26



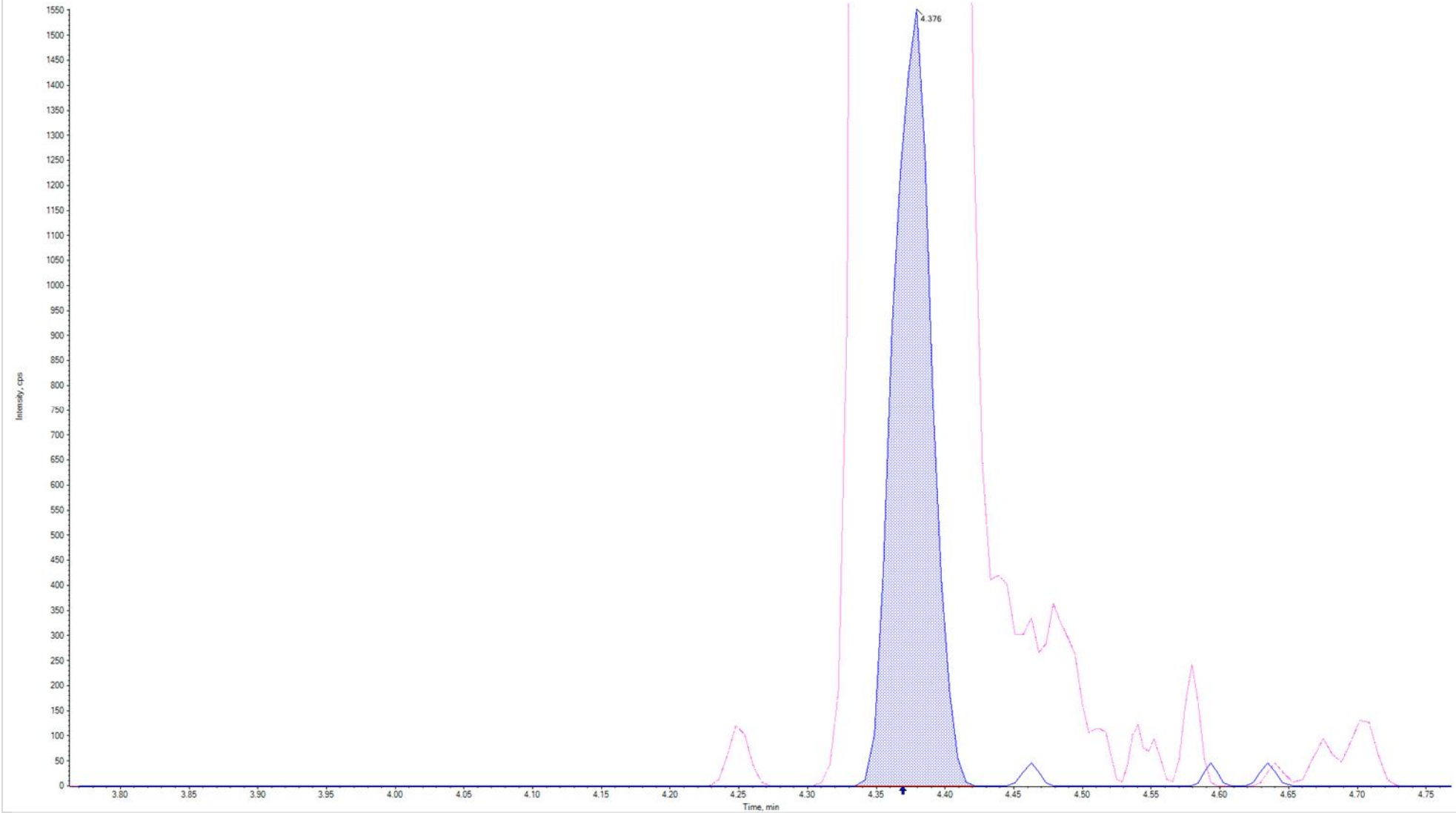
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PFUnA
Sample: IA1633STD-.1 S/N:171.7 Points Across peak:18



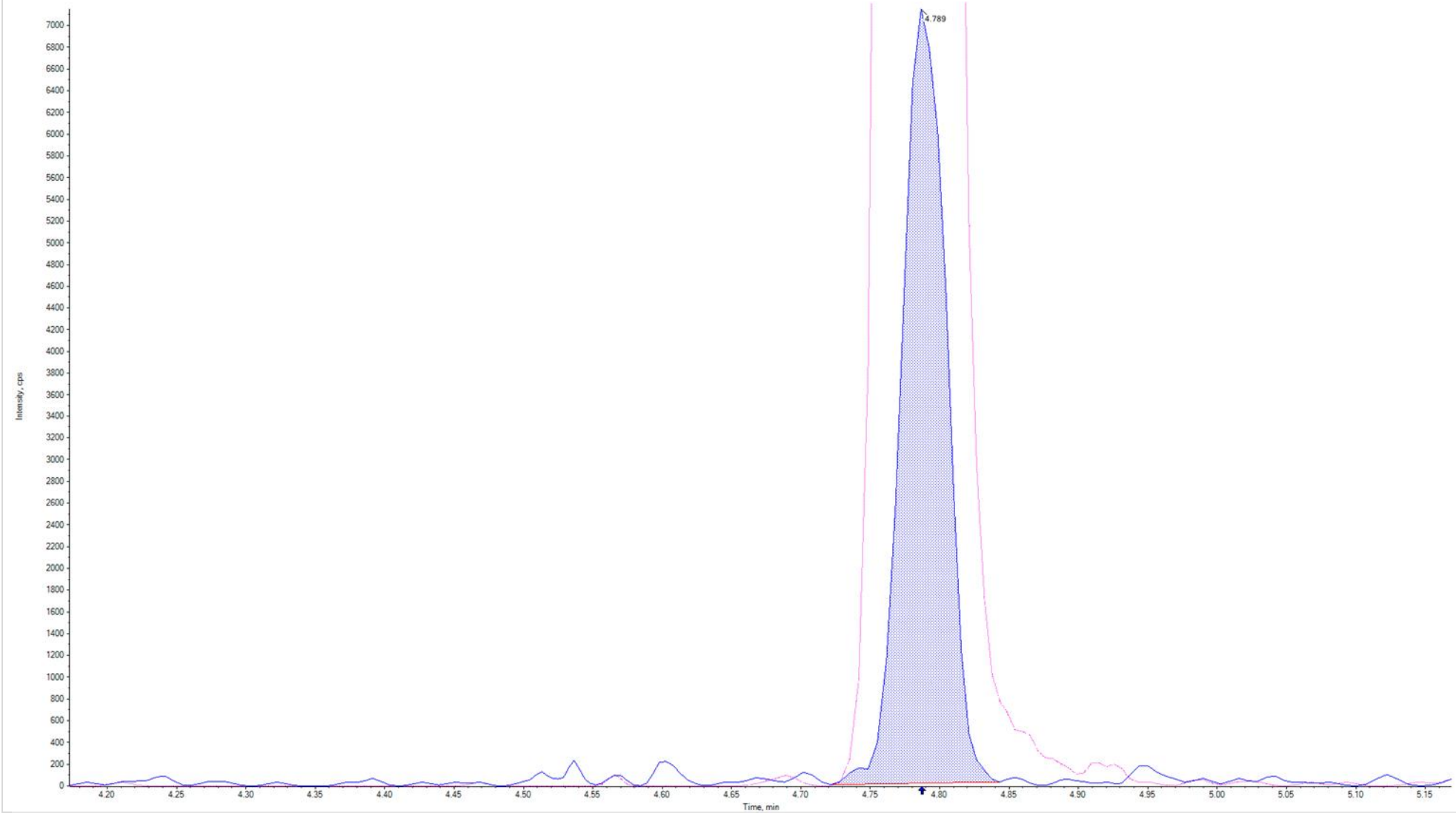
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PFUnA_2
Sample: IA1633STD-.1 S/N:35.0 Points Across peak:20



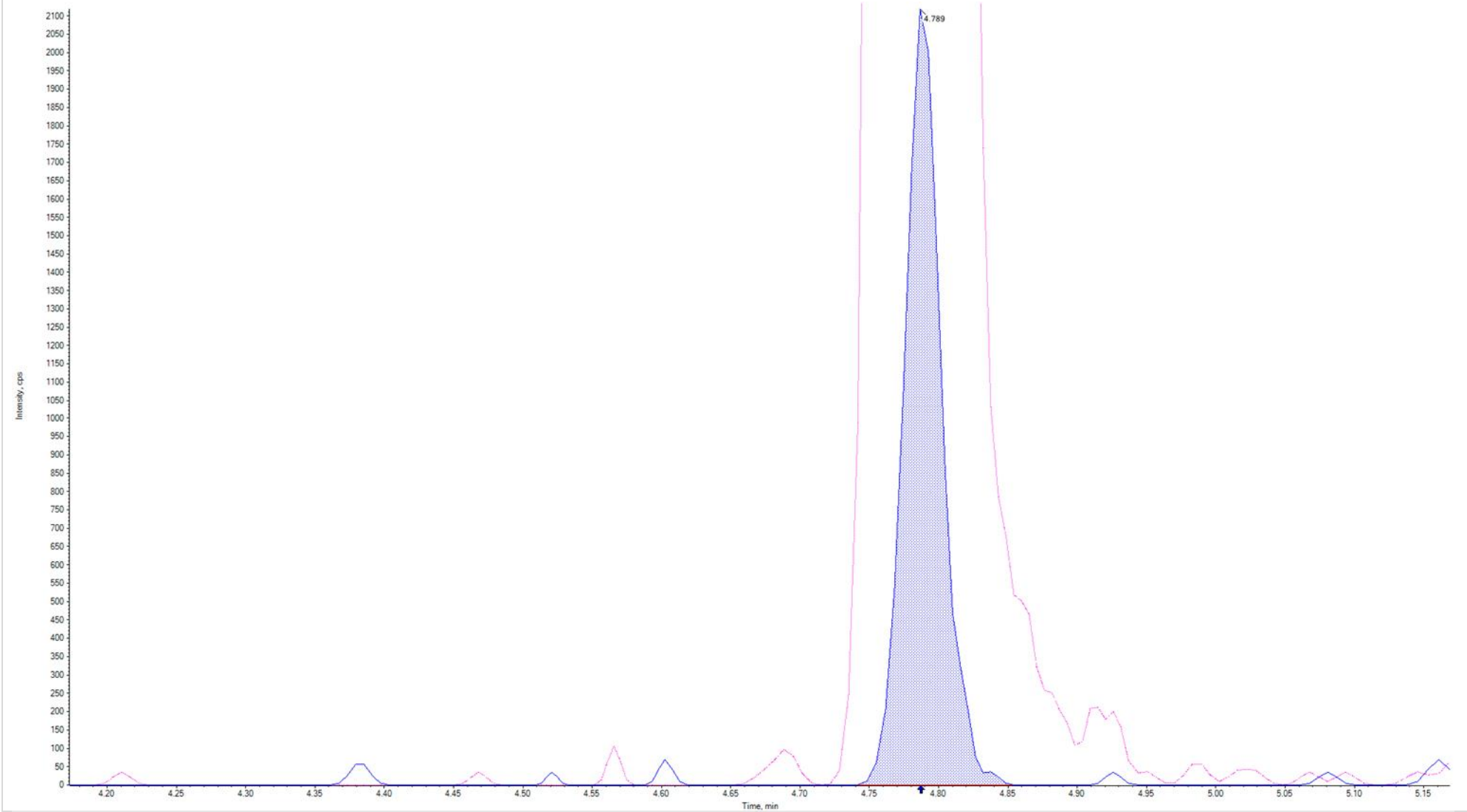
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PFDoA
Sample: IA1633STD-.1 S/N:196.5 Points Across peak:21



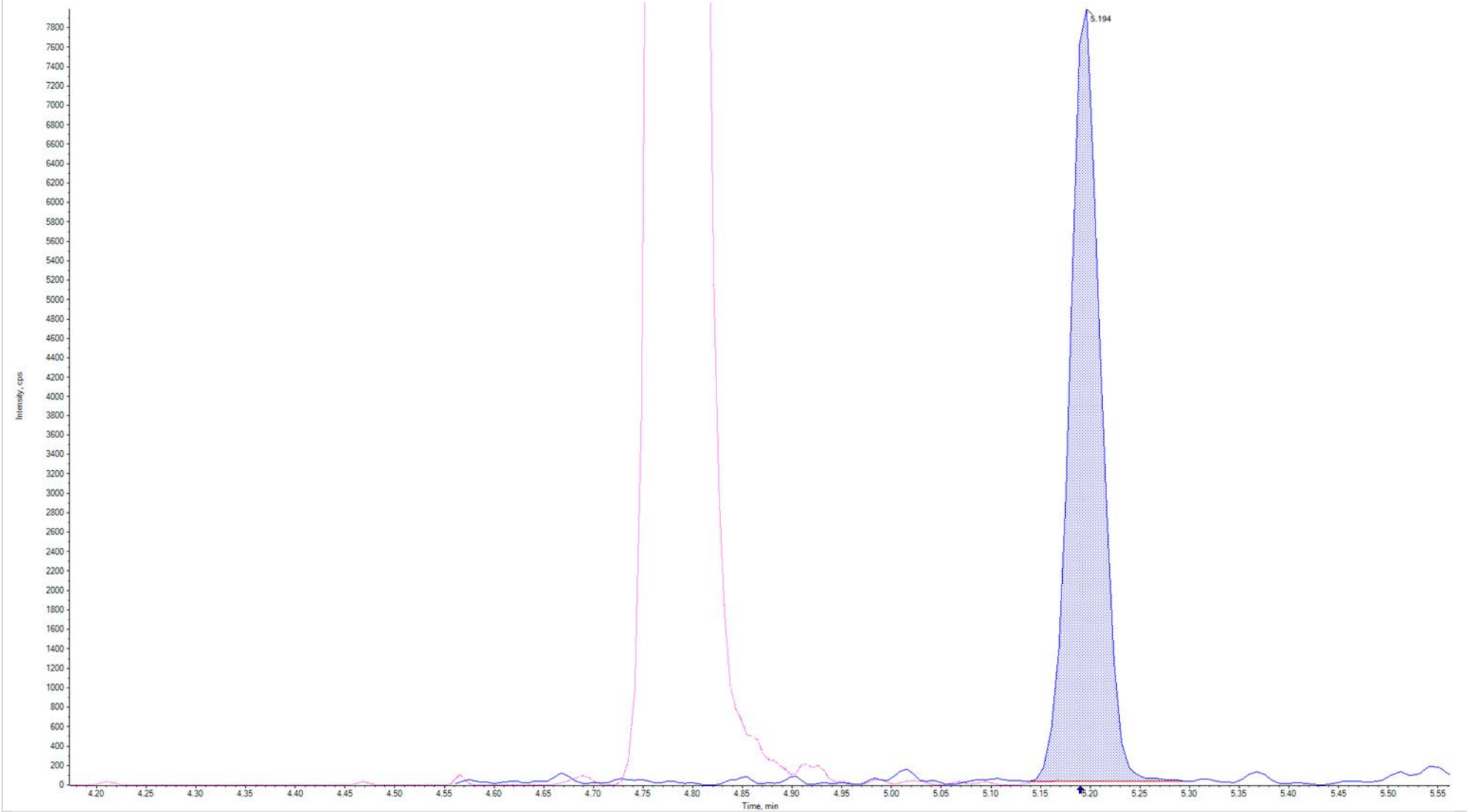
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PFDoA_2
Sample: IA1633STD-.1 S/N:58.4 Points Across peak:30



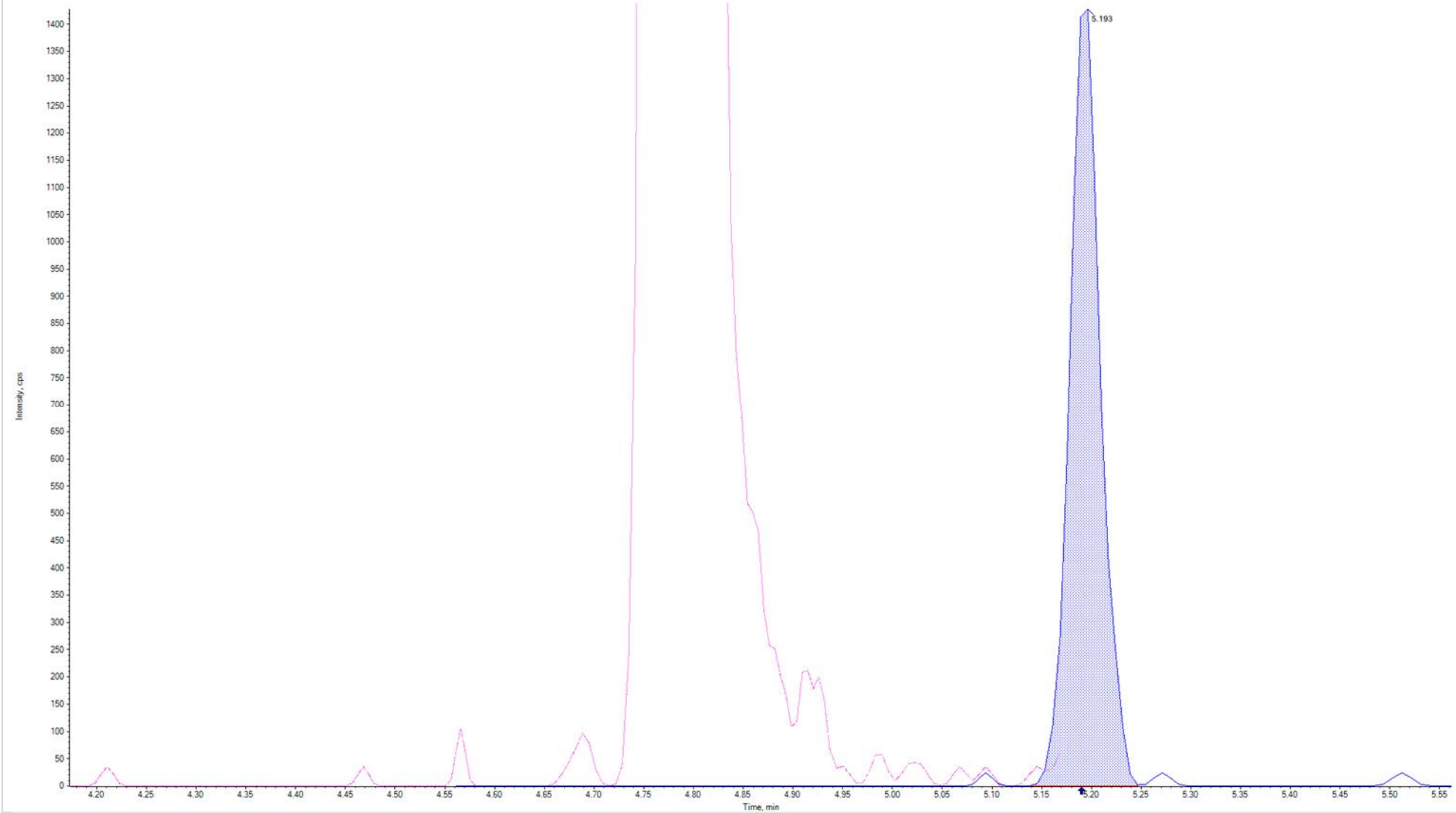
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PFTrDA
Sample: IA1633STD-.1 S/N:319.1 Points Across peak:22



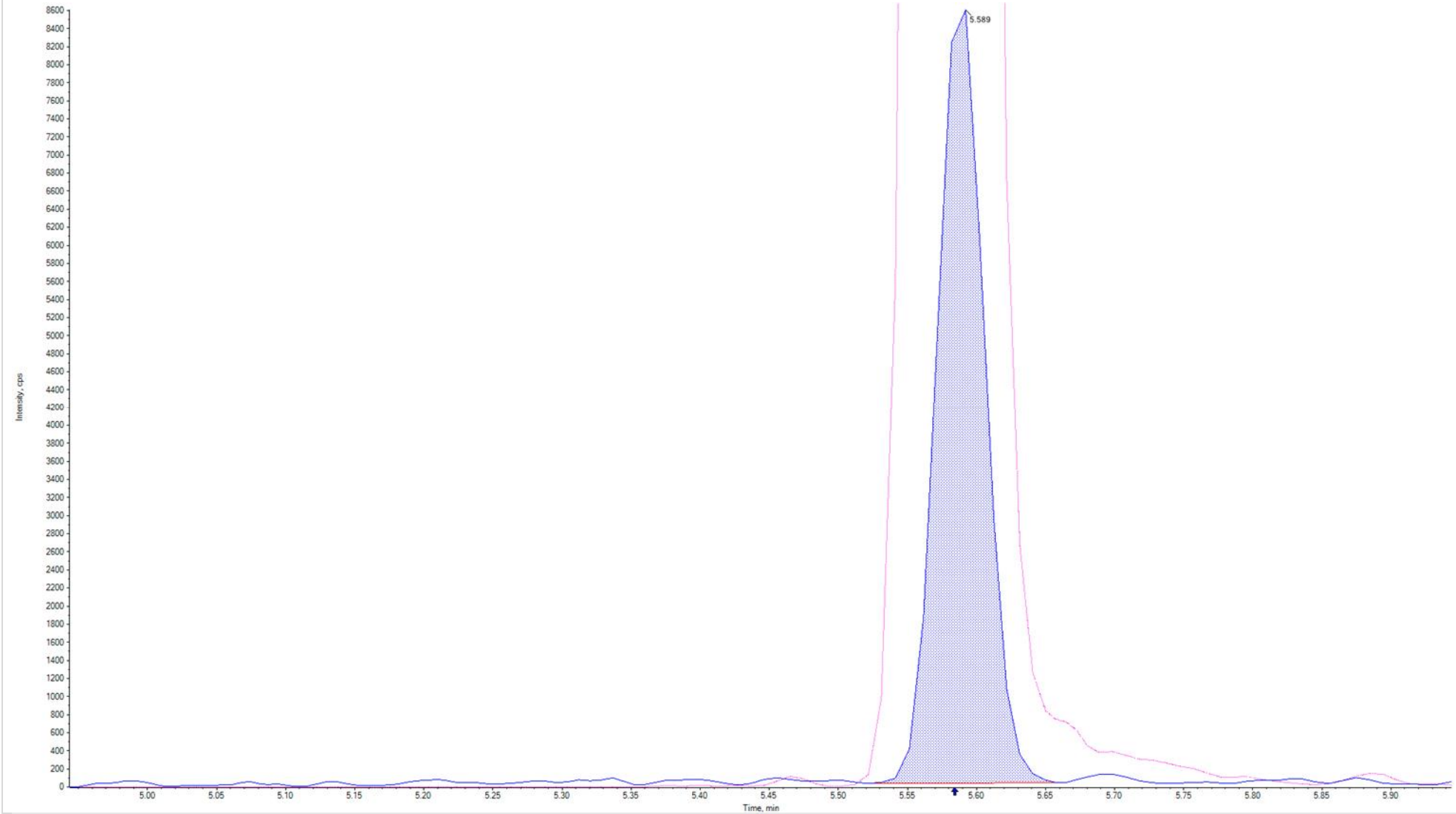
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PFTrDA_2
Sample: IA1633STD-.1 S/N:57.3 Points Across peak:18



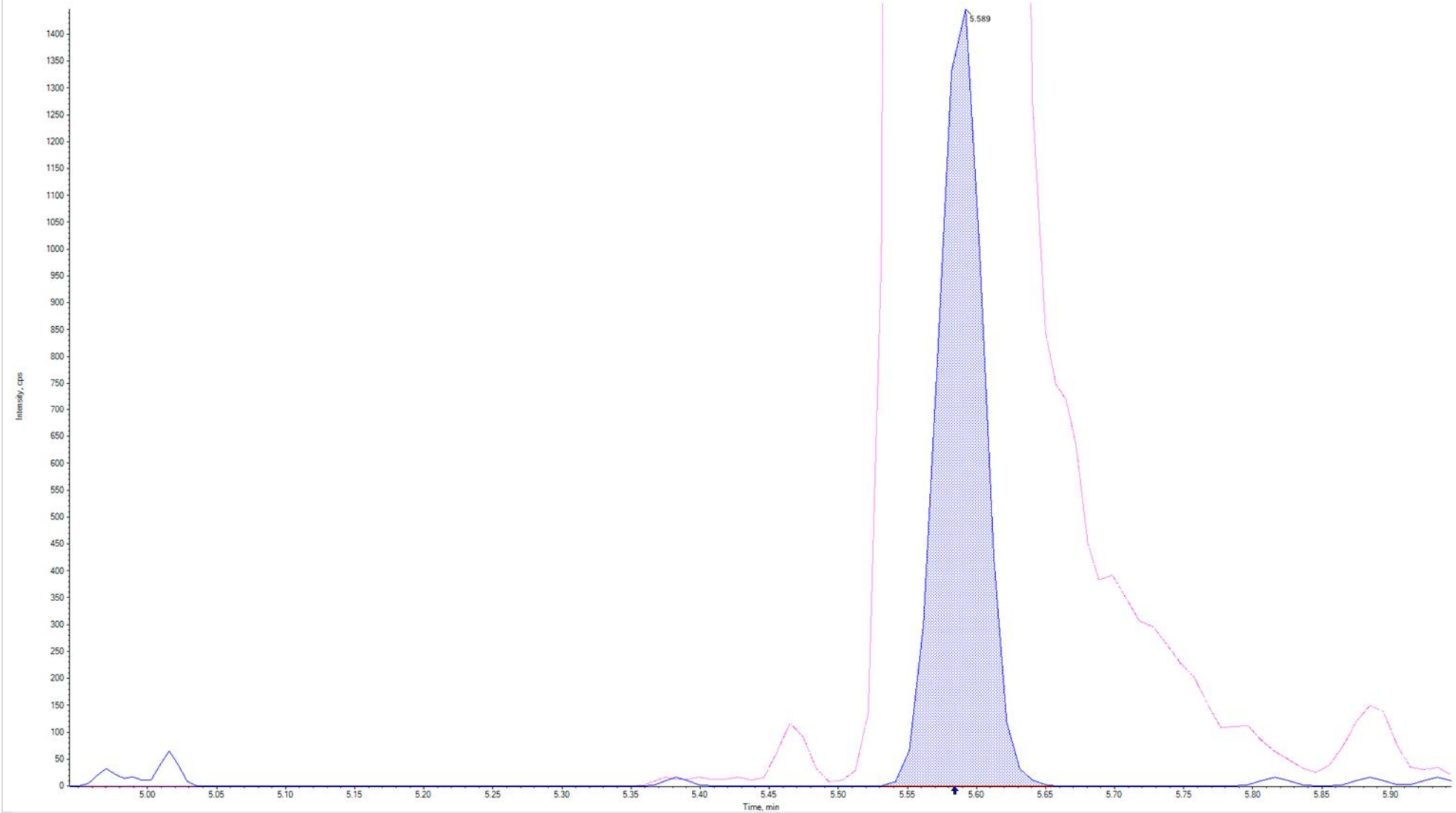
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PFTeDA
Sample: IA1633STD-.1 S/N:536.7 Points Across peak:15



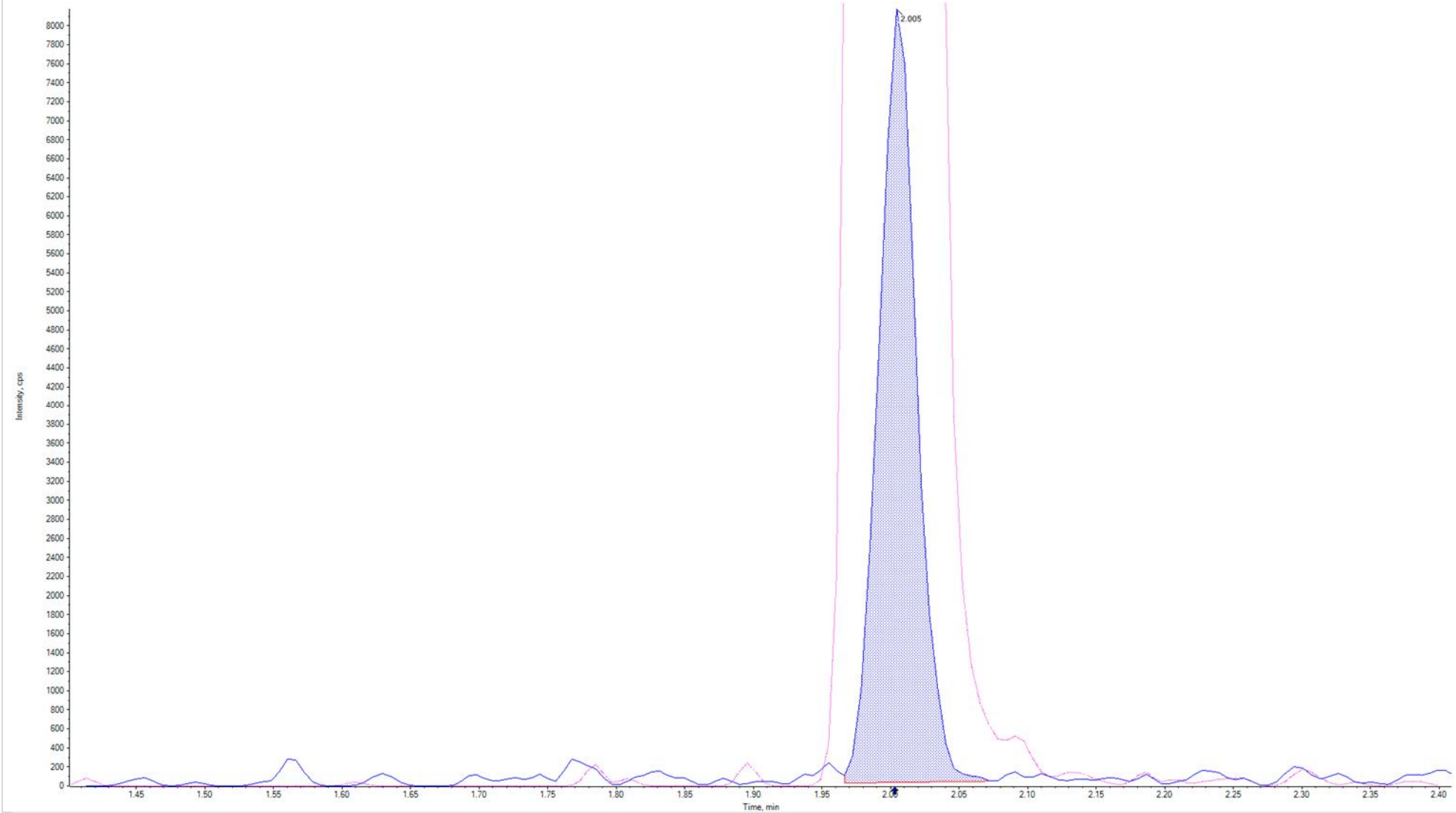
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PFTeDA_2
Sample: IA1633STD-.1 S/N:90.7 Points Across peak:24



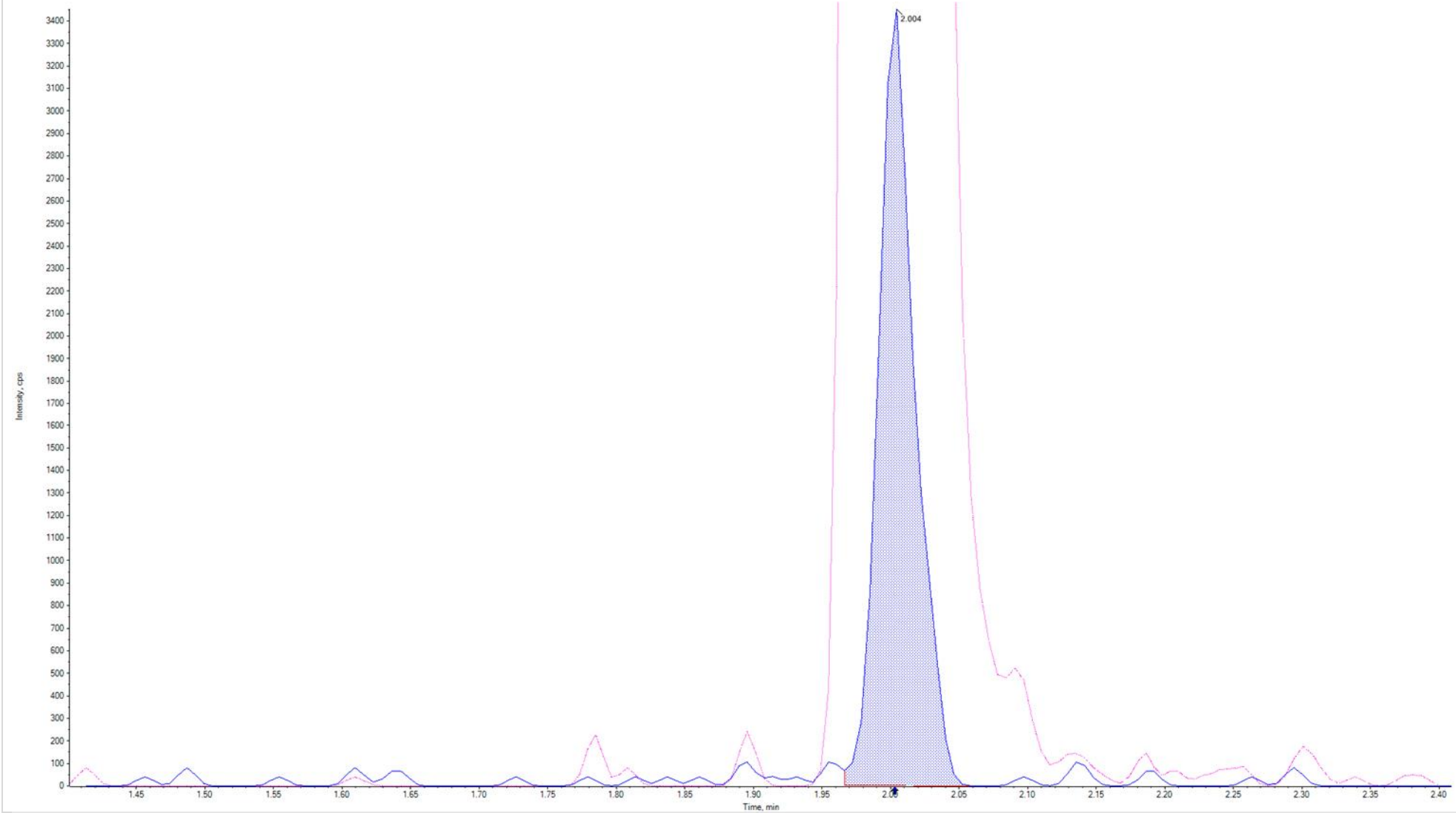
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PFBS
Sample: IA1633STD-.1 S/N:204.0 Points Across peak:19



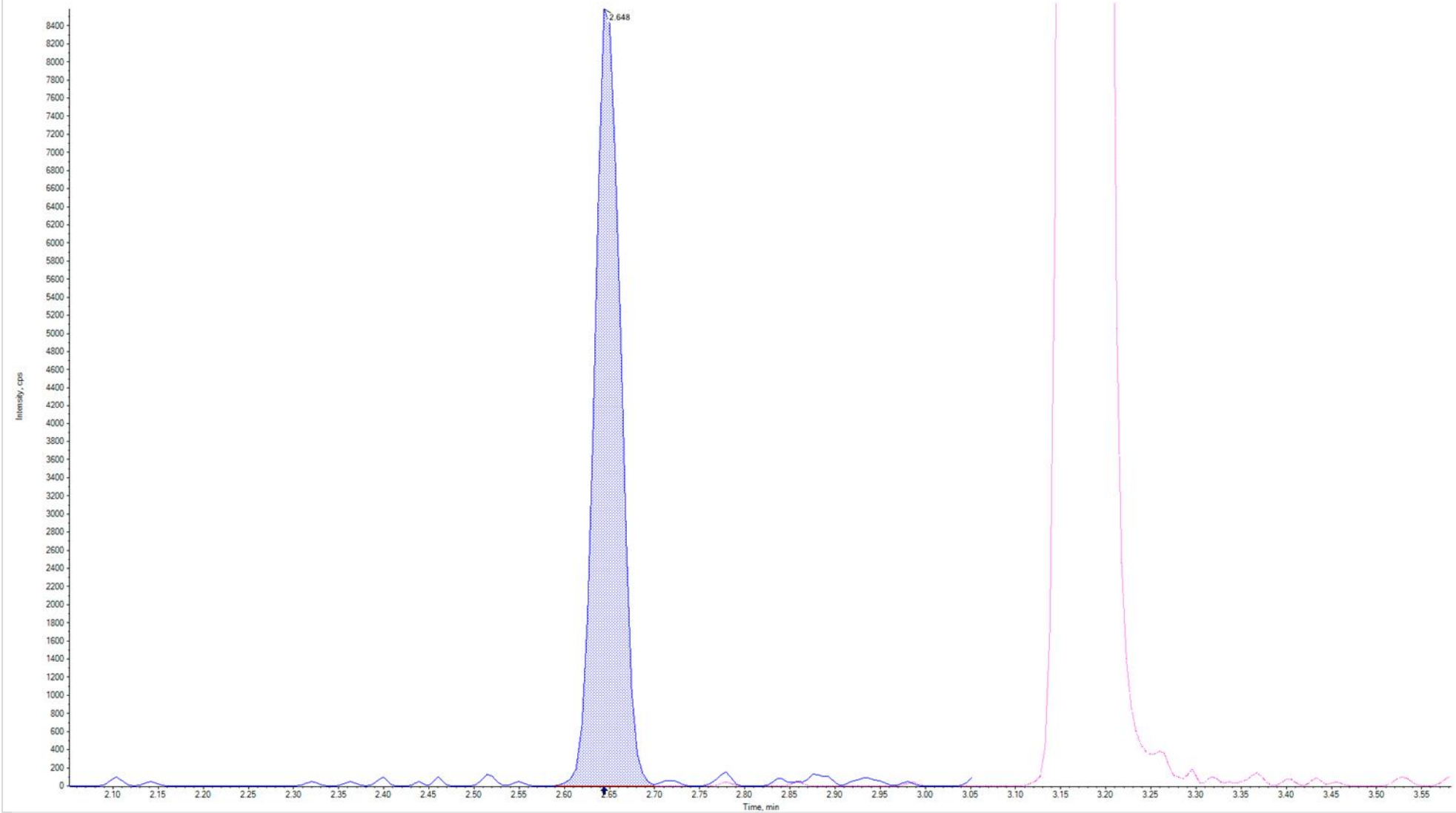
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PFBS_2
Sample: IA1633STD-.1 S/N:86.5 Points Across peak:17



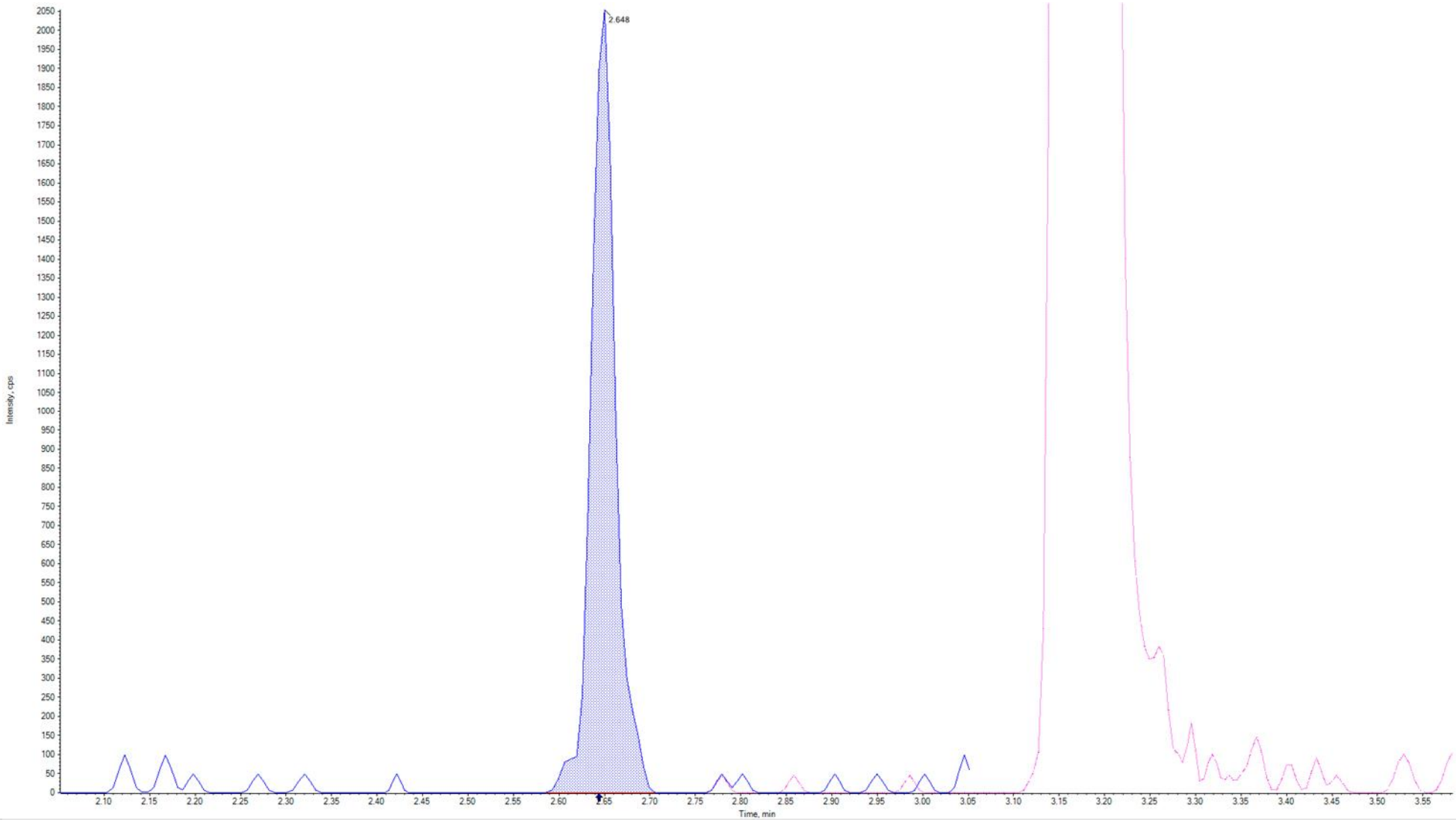
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PFPeS
Sample: IA1633STD-.1 S/N:172.1 Points Across peak:20



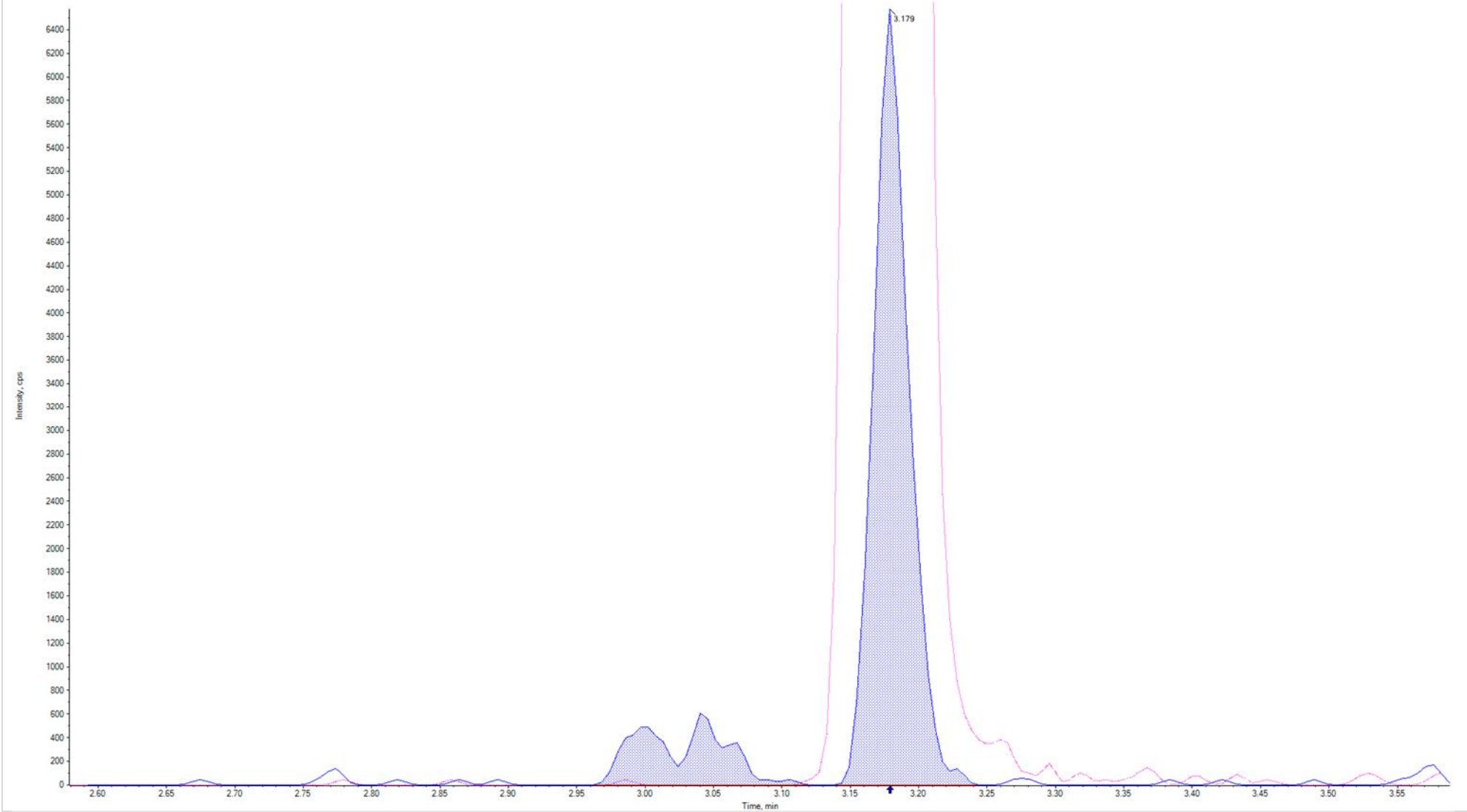
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Generated: 12/16/2024 4:06:13 PM

PFPeS_2
Sample: IA1633STD-.1 S/N:41.2 Points Across peak:30



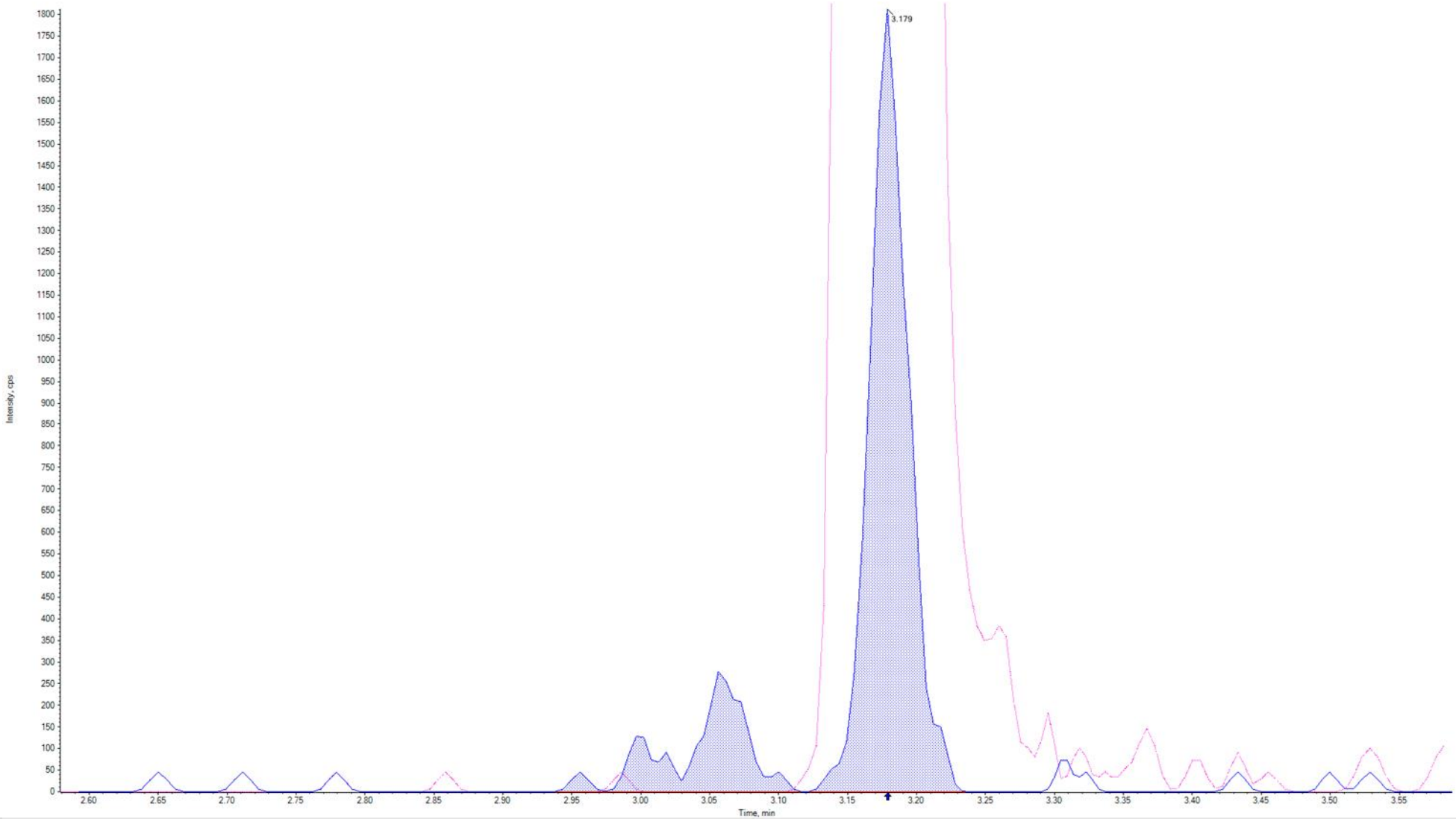
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Alpha Analytical LLC
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PFHxS
Sample: IA1633STD-.1 S/N:148.3 Points Across peak:54



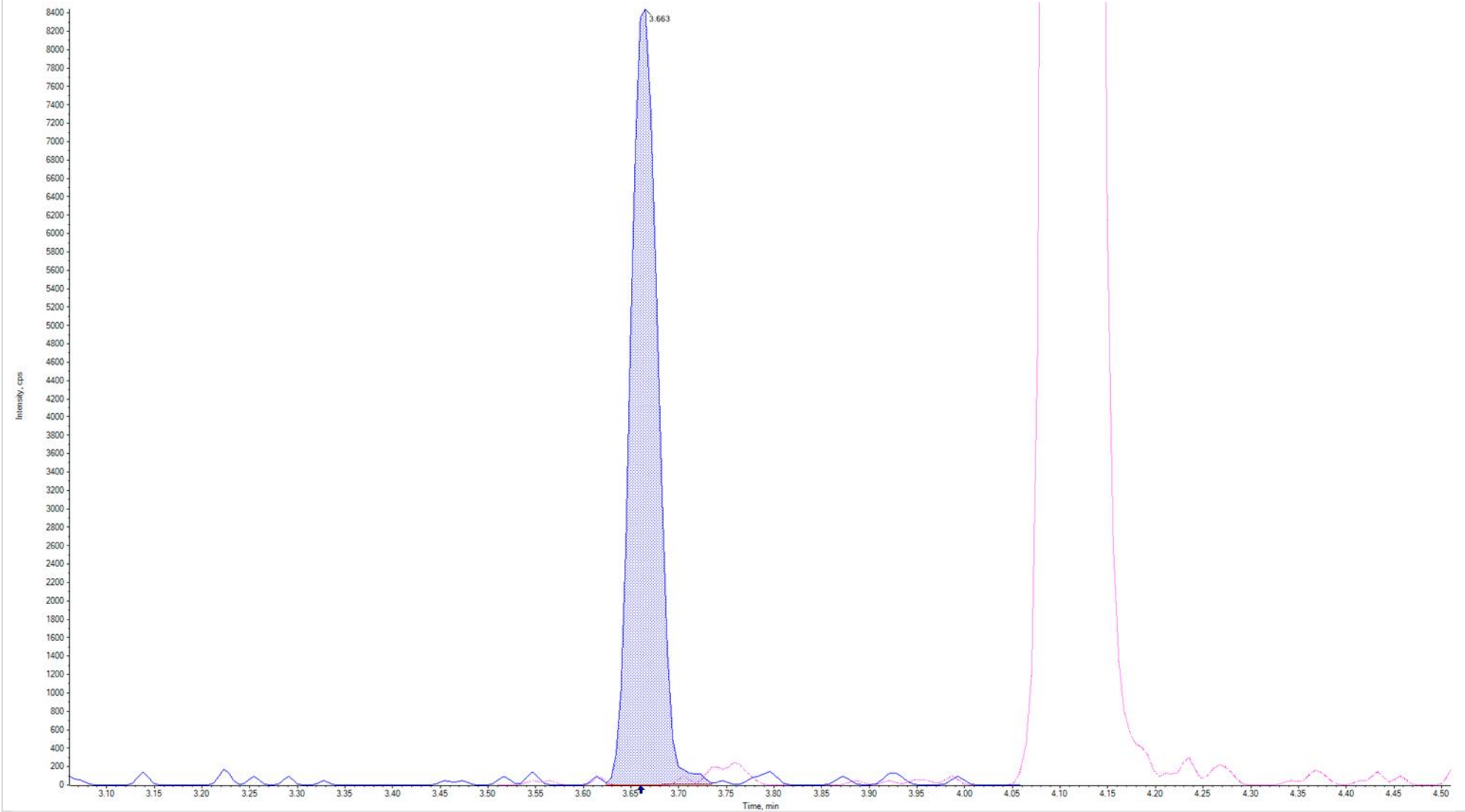
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Alpha Analytical LLC
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PFHxS_2
Sample: IA1633STD-.1 S/N:40.9 Points Across peak:61

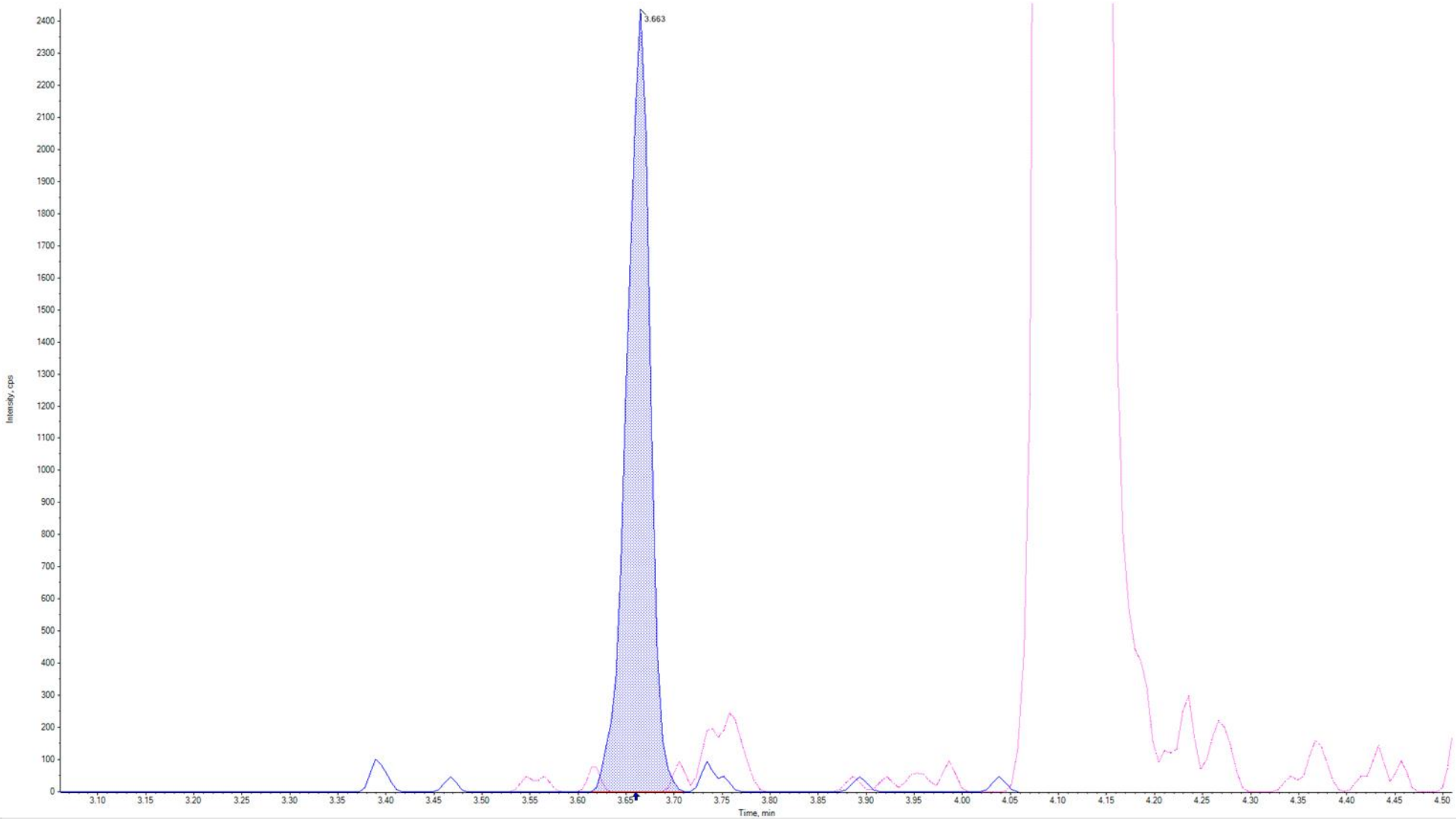


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFHpS
Sample: IA1633STD-.1 S/N:169.2 Points Across peak:21

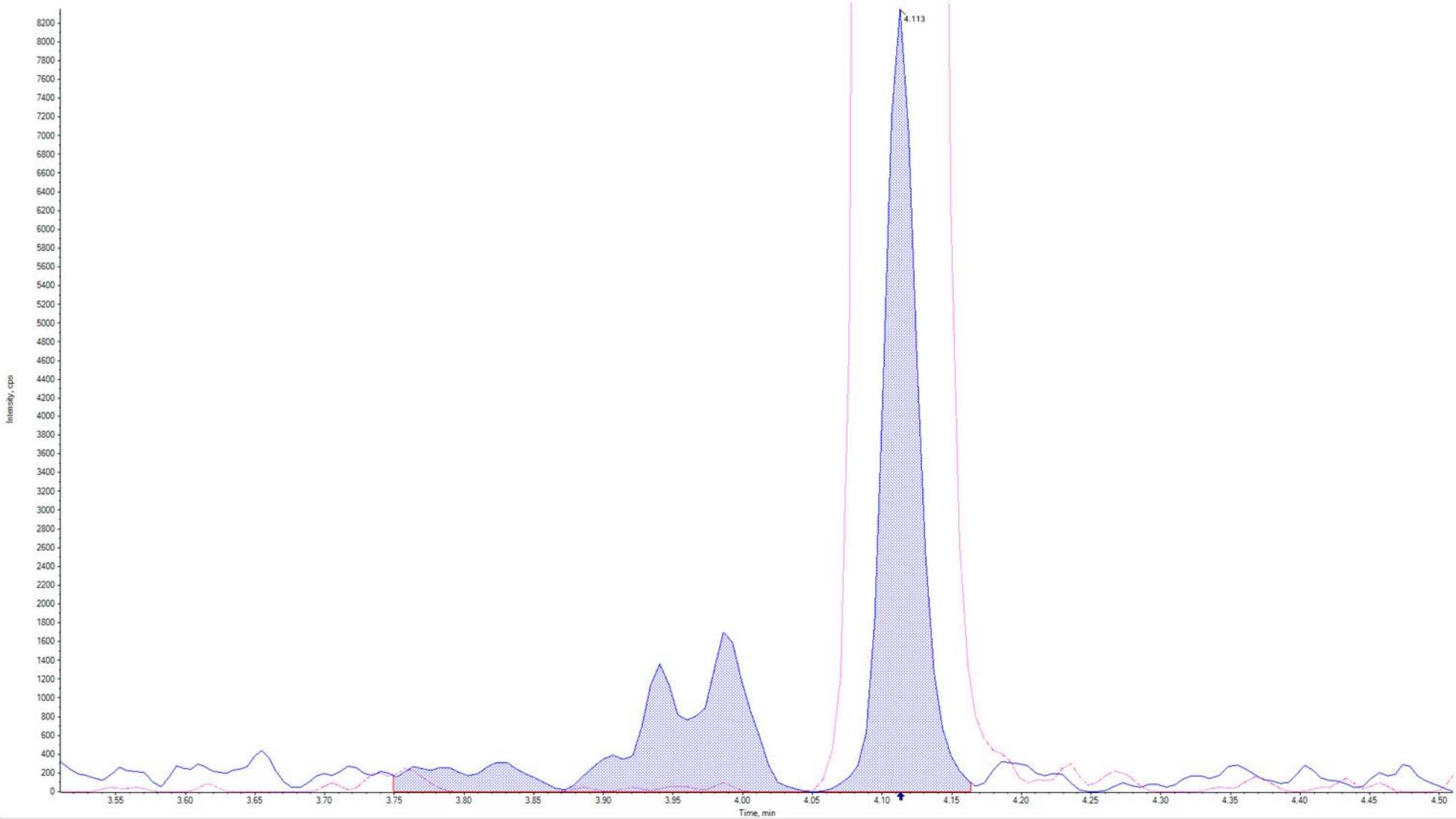


PFHpS_2
Sample: IA1633STD-.1 S/N:48.9 Points Across peak:21



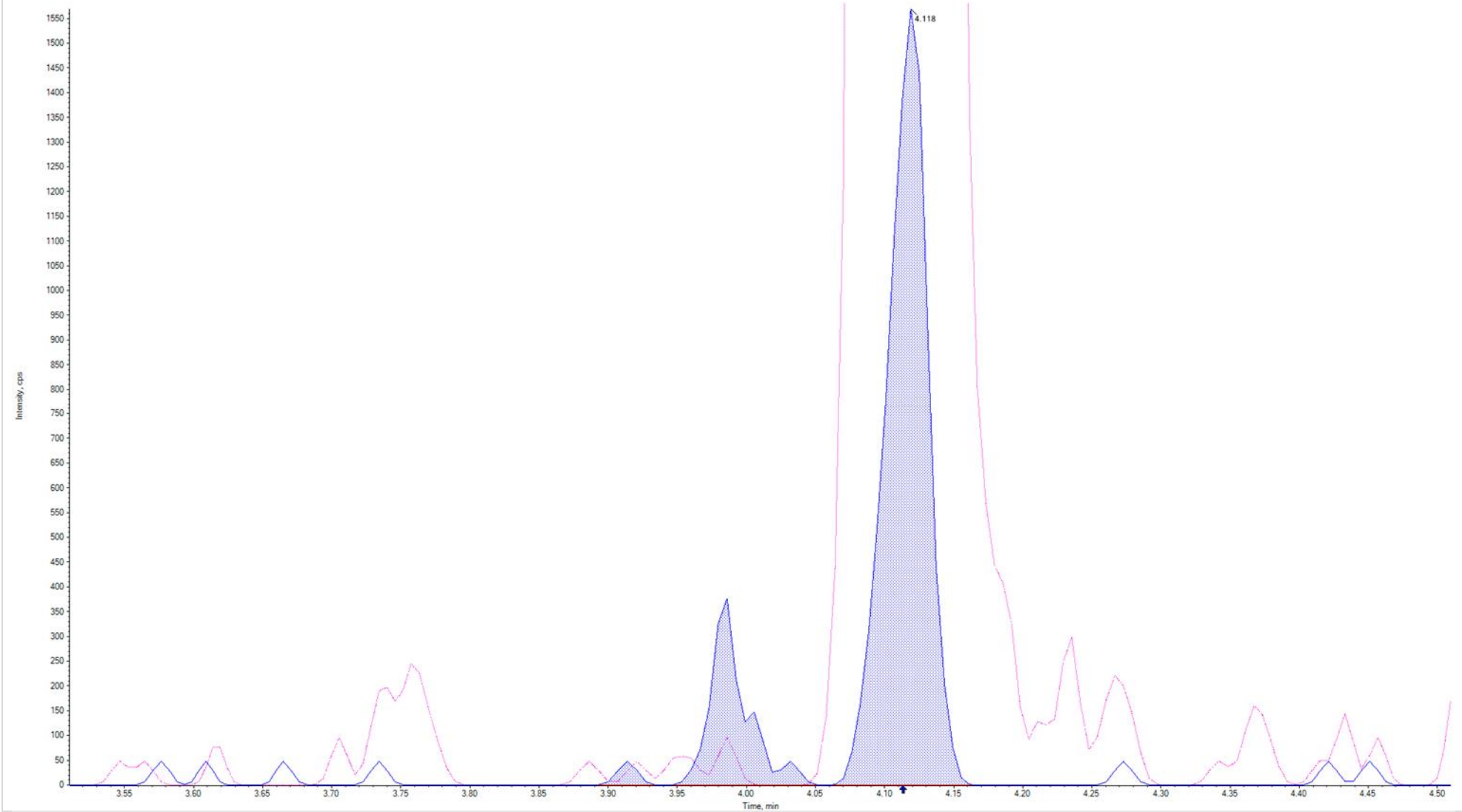
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_11.wiff2_1
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFOS
Sample: IA1633STD-.1 S/N:109.1 Points Across peak:66



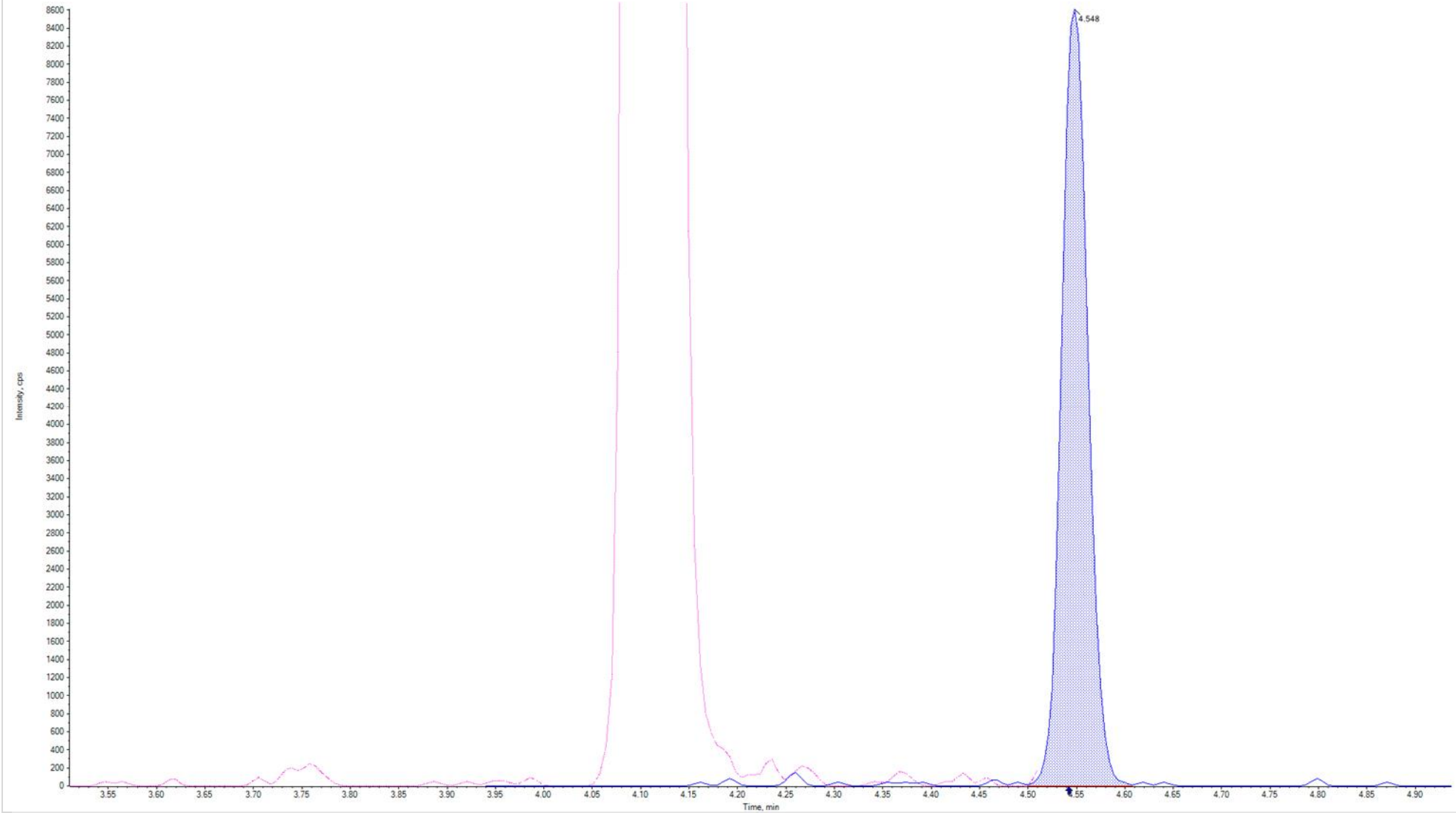
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_11.wiff2_1
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFOS_2
Sample: IA1633STD-.1 S/N:31.5 Points Across peak:46



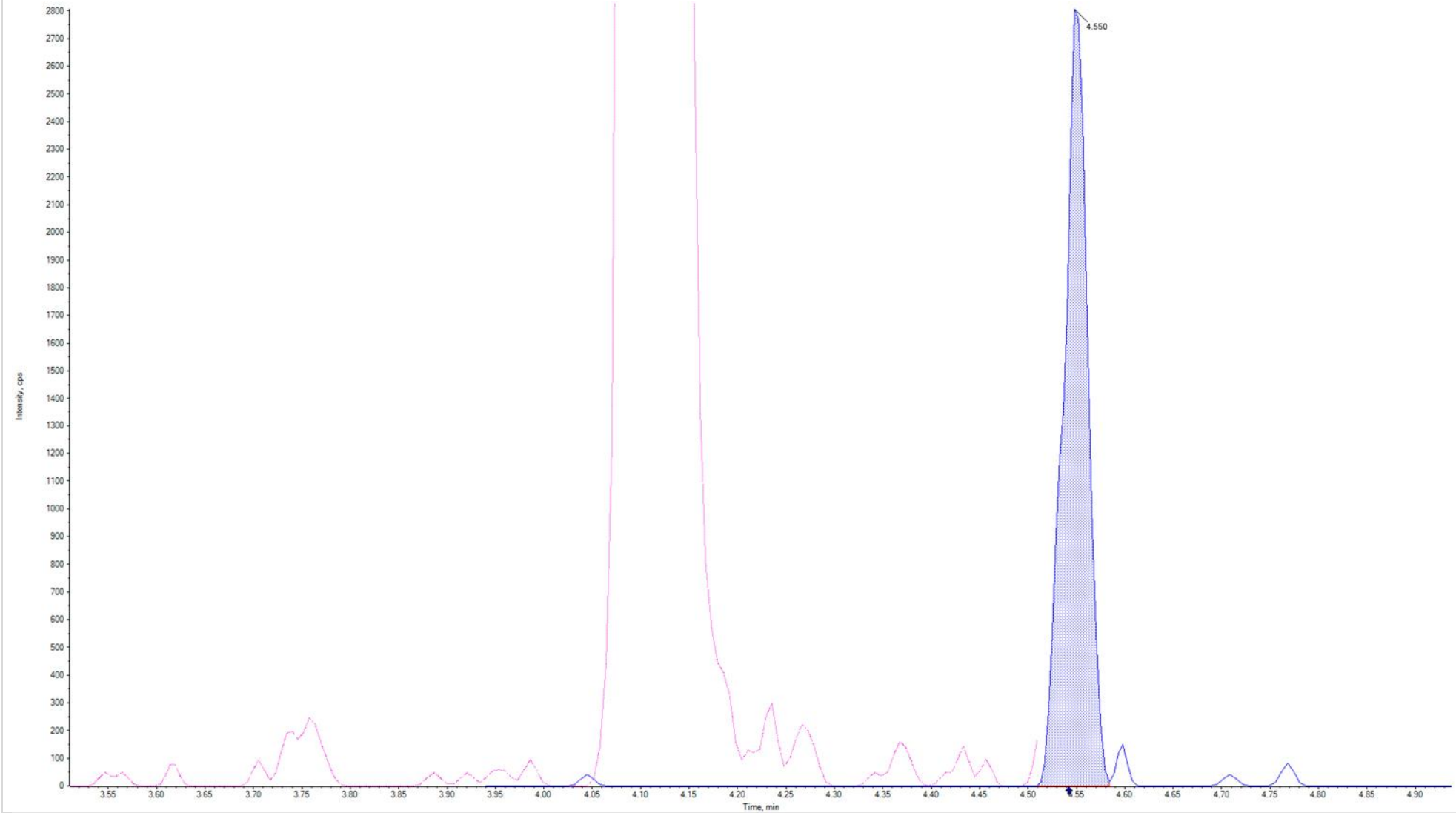
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_11.wiff2_1
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFNS
Sample: IA1633STD-.1 S/N:215.8 Points Across peak:26



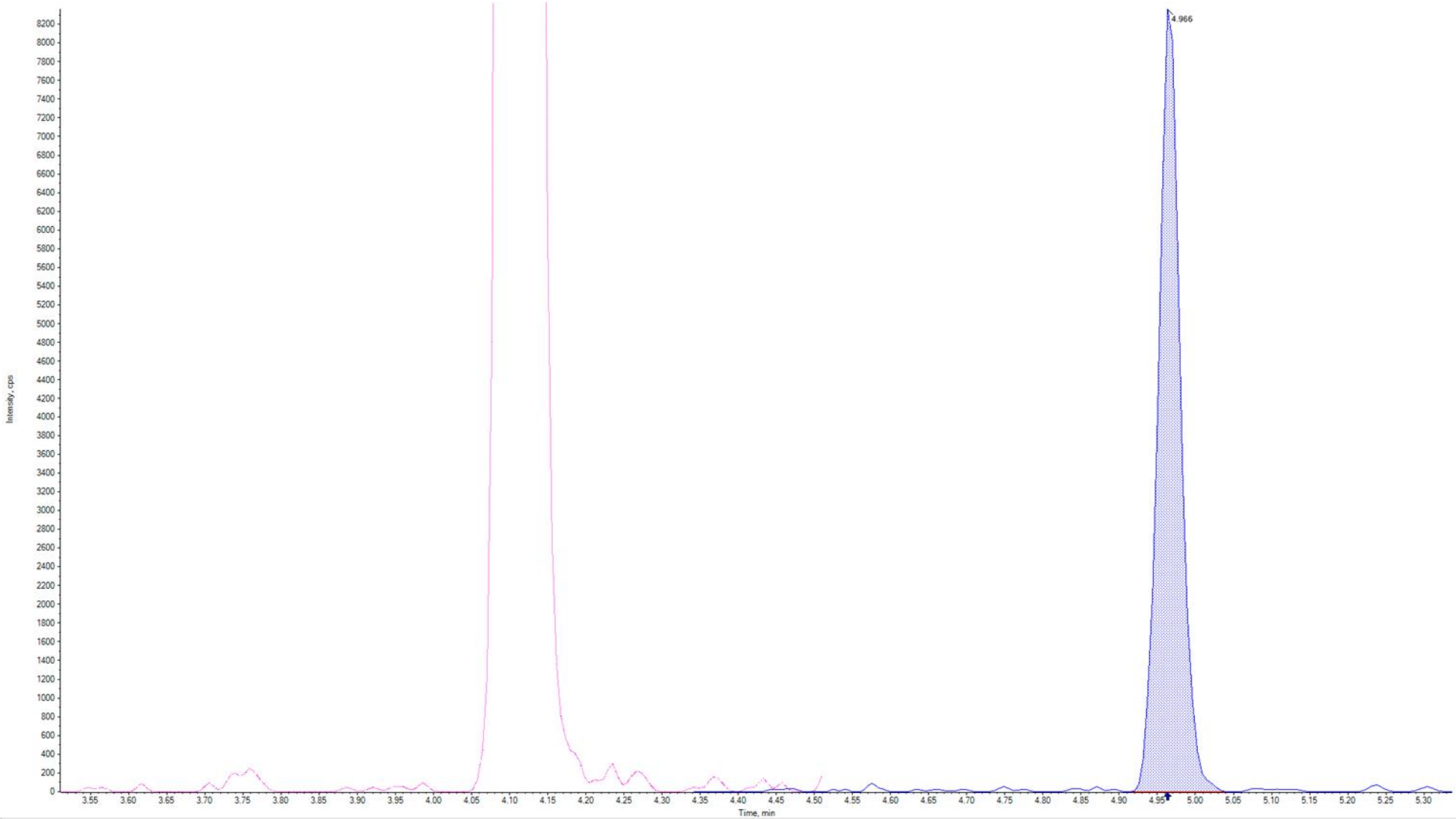
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_11.wiff2_1
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFNS_2
Sample: IA1633STD-.1 S/N:70.3 Points Across peak:24



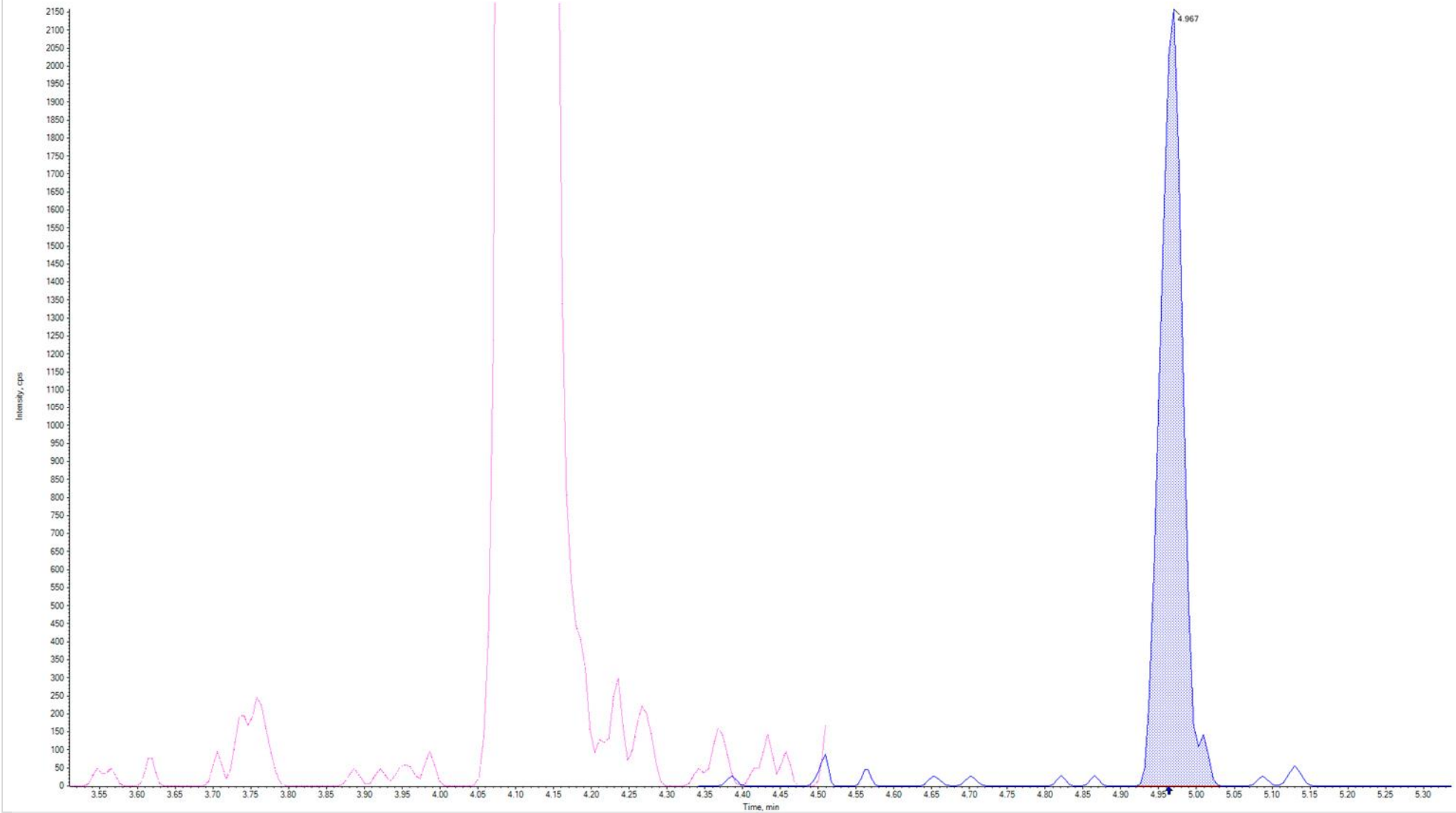
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_11.wiff2_1
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFDS
Sample: IA1633STD-.1 S/N:293.4 Points Across peak:23



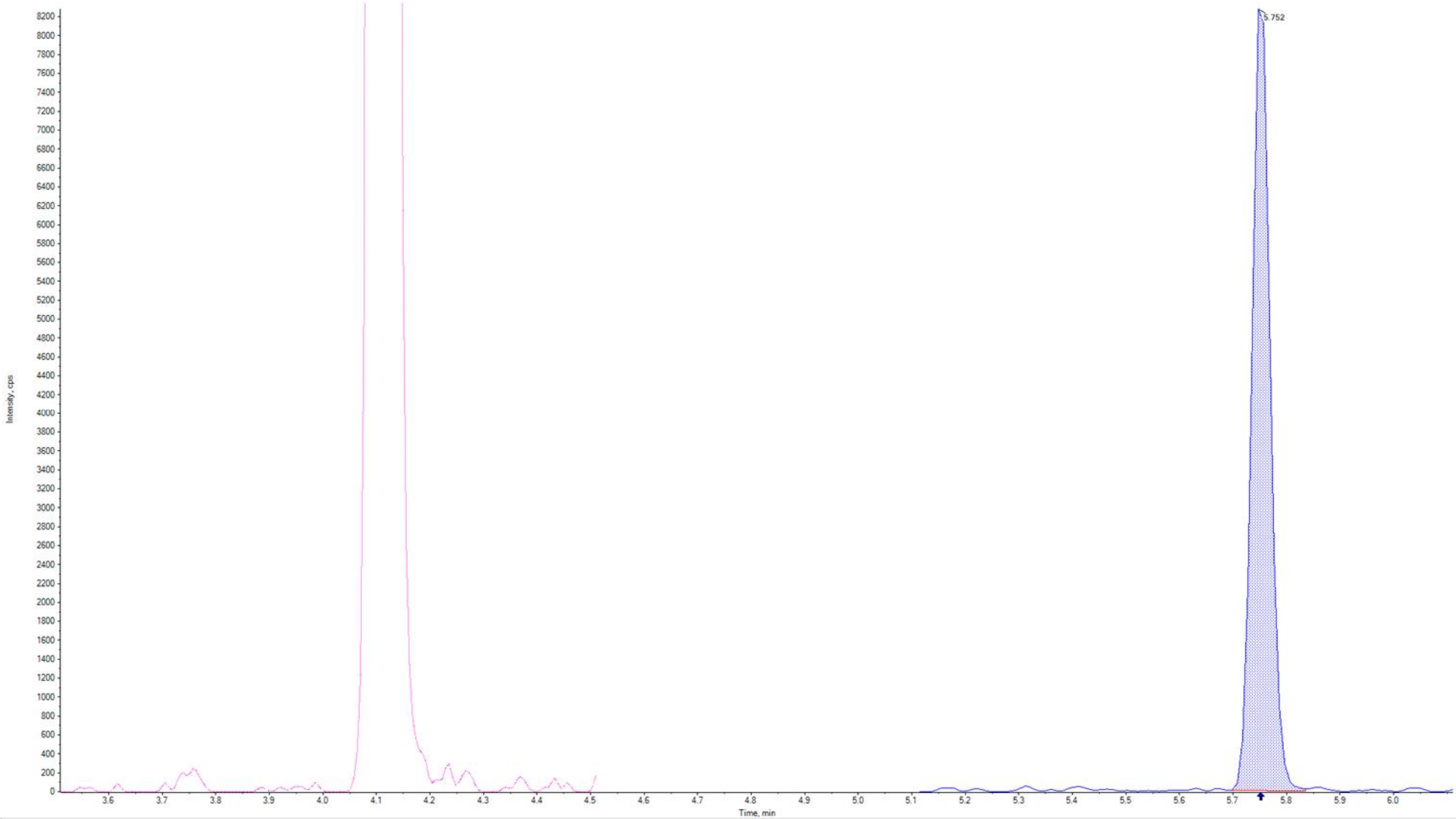
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_11.wiff2_1
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFDS_2
Sample: IA1633STD-.1 S/N:75.7 Points Across peak:25



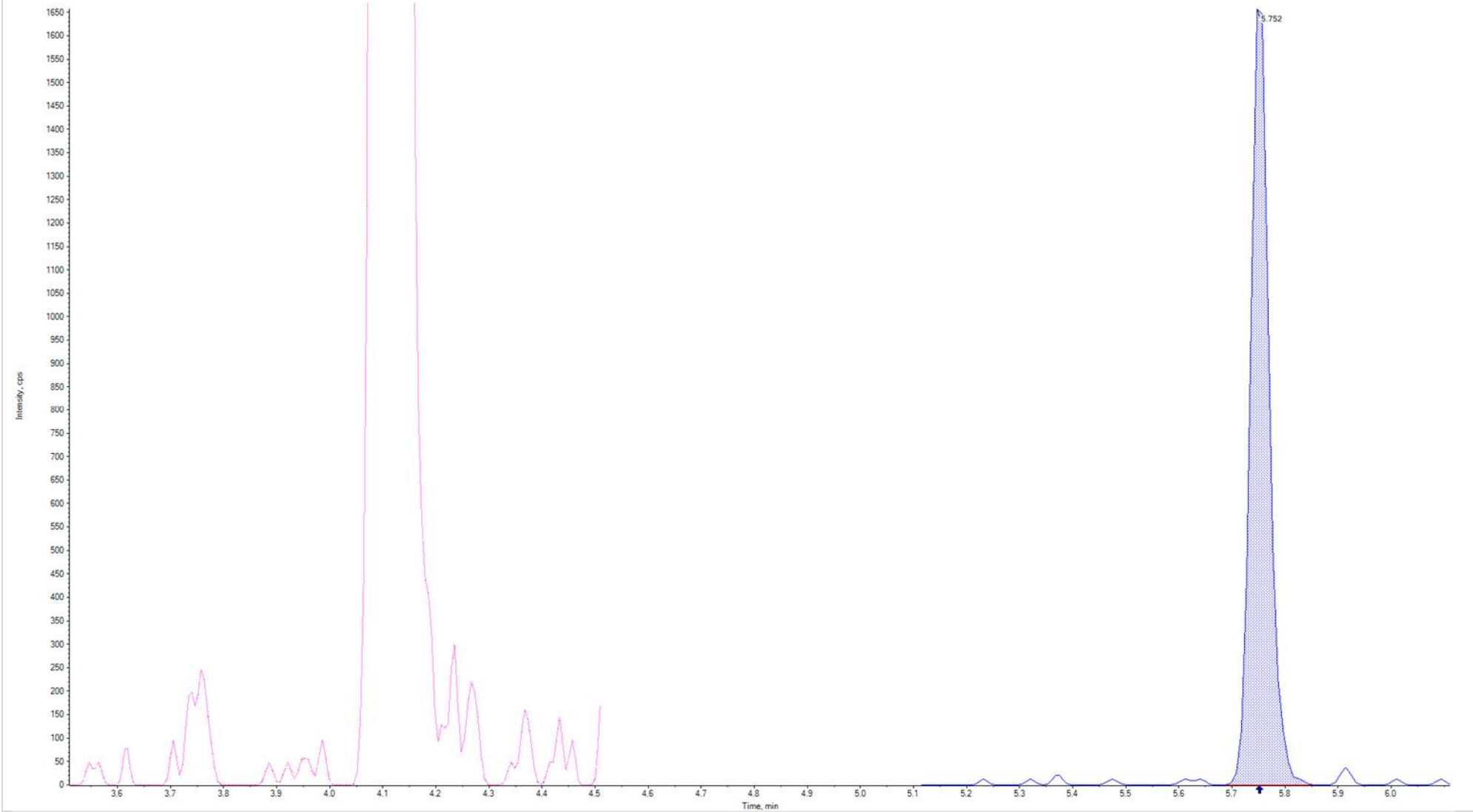
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_11.wiff2_1
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFDoS
Sample: IA1633STD-.1 S/N:642.4 Points Across peak:16



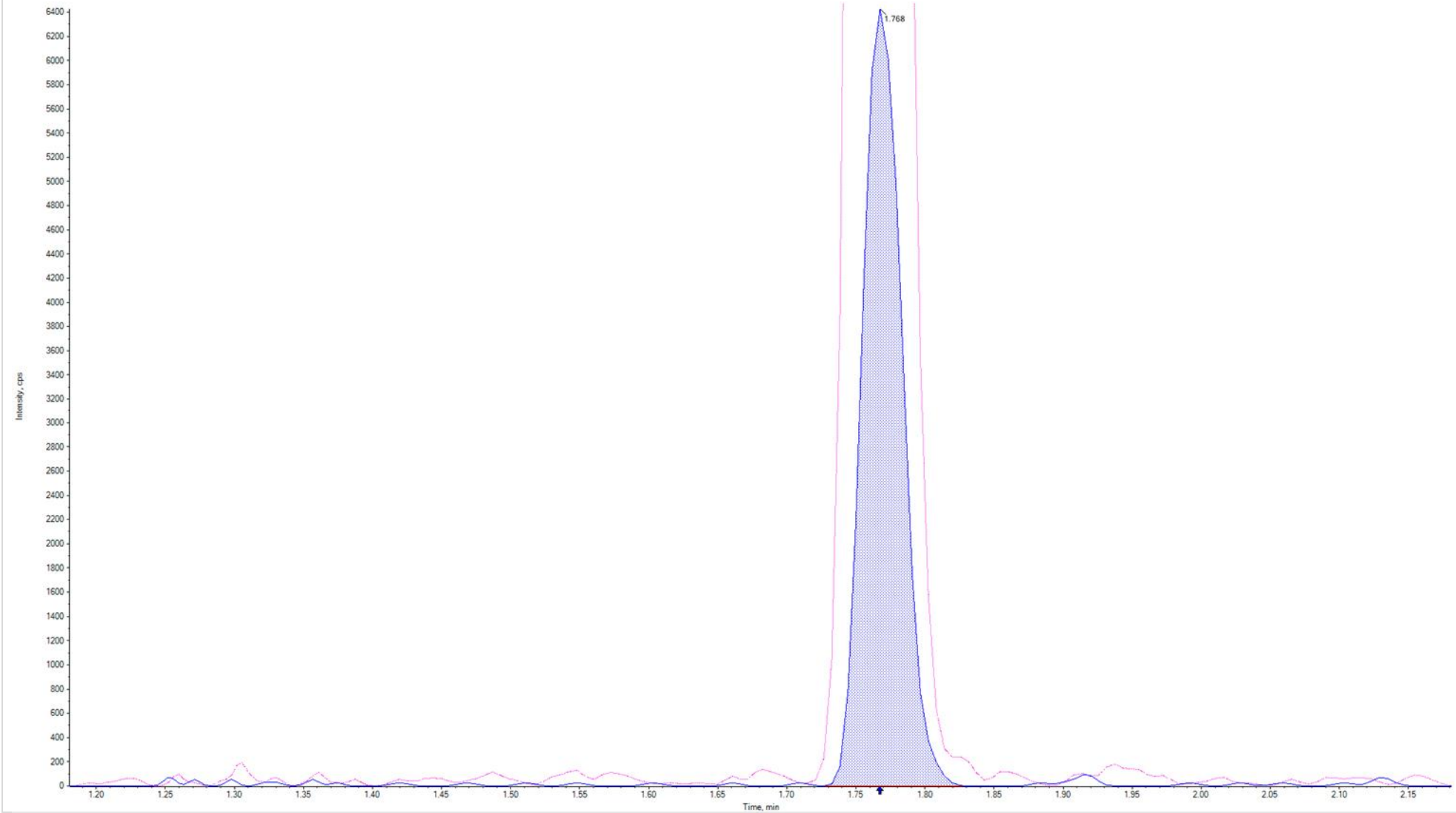
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_11.wiff2_1
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFDoS_2
Sample: IA1633STD-.1 S/N:128.7 Points Across peak:21



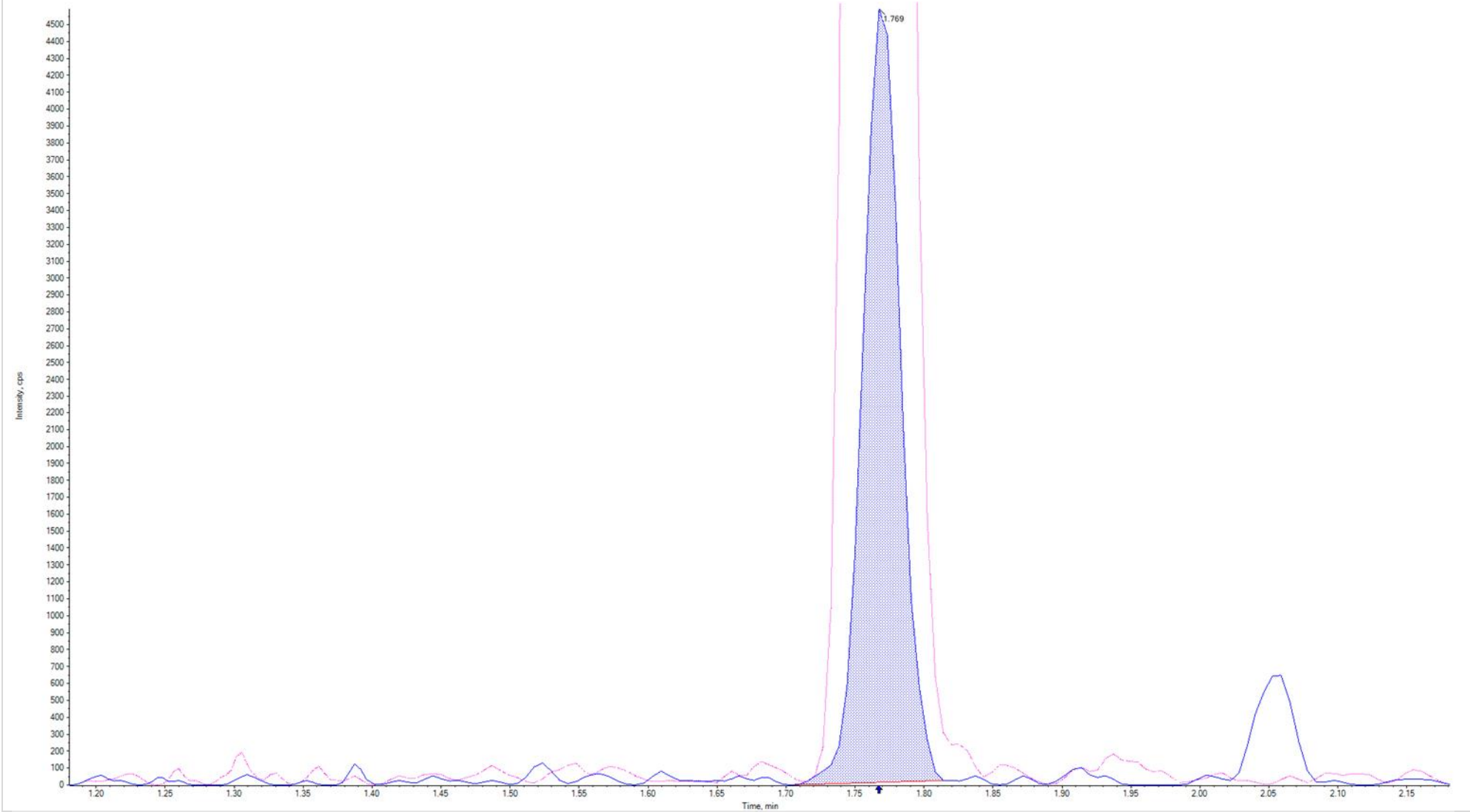
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_11.wiff2_1
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

4:2FTS
Sample: IA1633STD-.1 S/N:241.6 Points Across peak:20



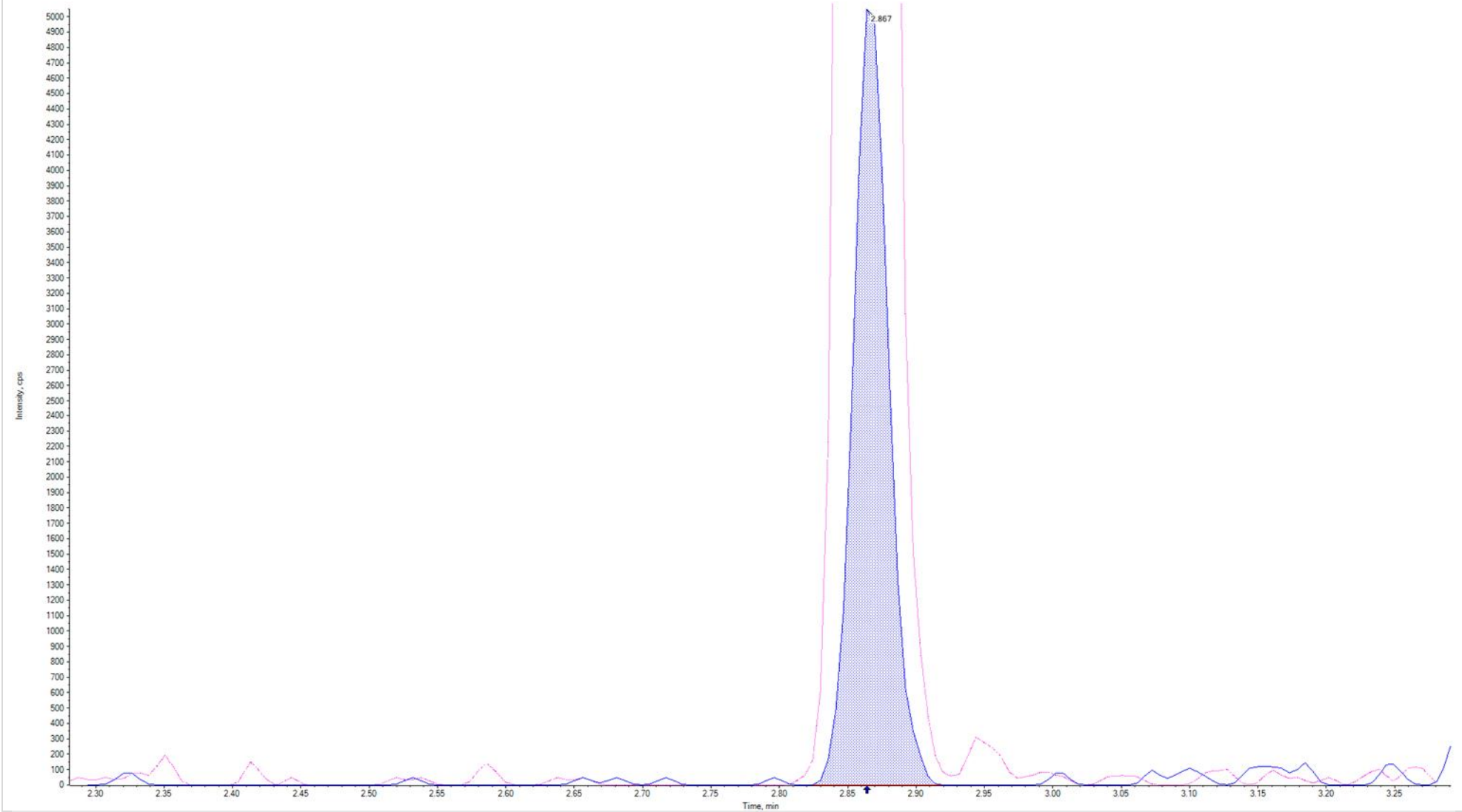
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_11.wiff2_1
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

4:2FTS_2
Sample: IA1633STD-.1 S/N:172.1 Points Across peak:20



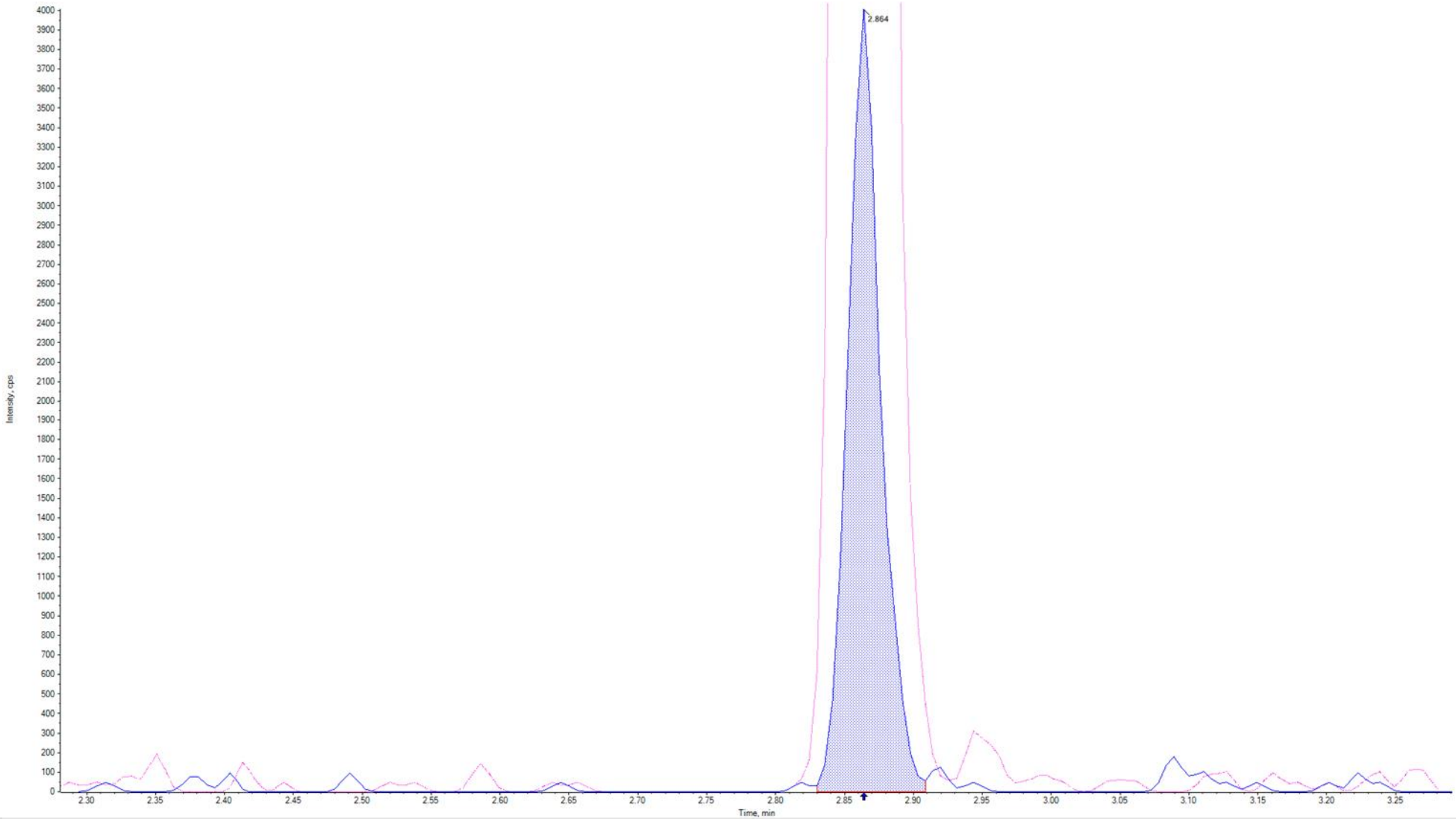
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_11.wiff2_1
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

6:2FTS
Sample: IA1633STD-.1 S/N:101.3 Points Across peak:21



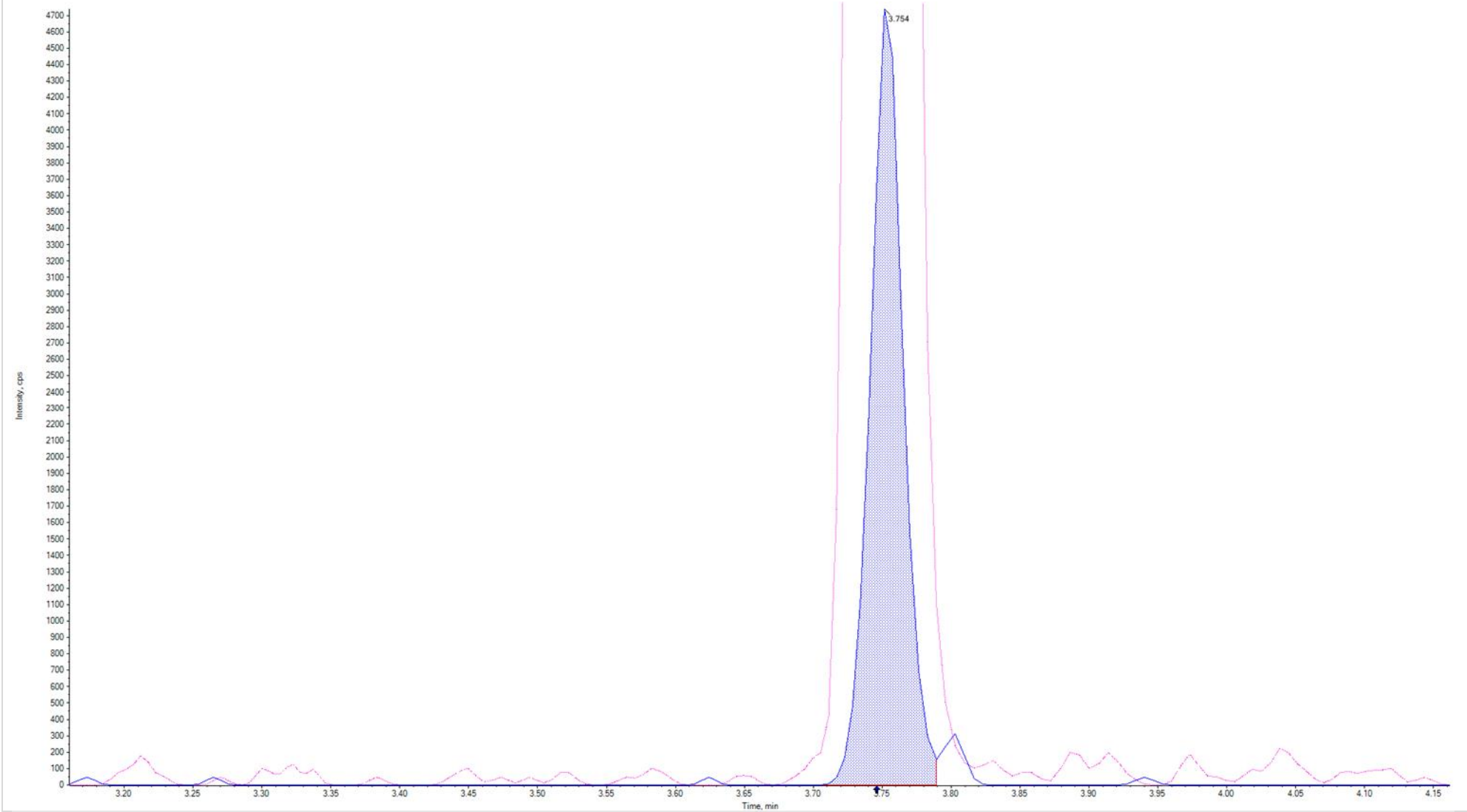
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_11.wiff2_1
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

6:2FTS_2
Sample: IA1633STD-.1 S/N:80.3 Points Across peak:15



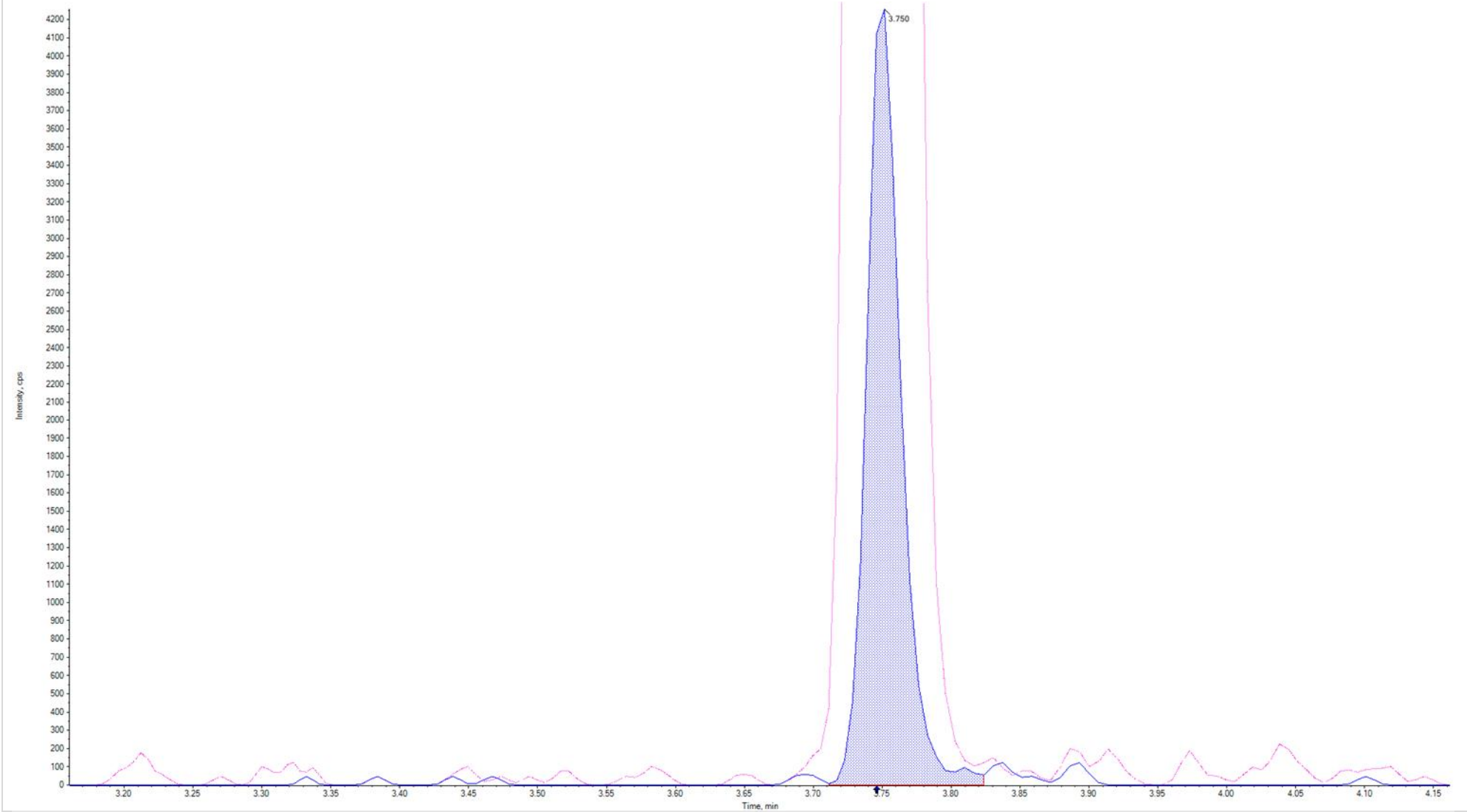
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_11.wiff2_1
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

8:2FTS
Sample: IA1633STD-.1 S/N:95.0 Points Across peak:20



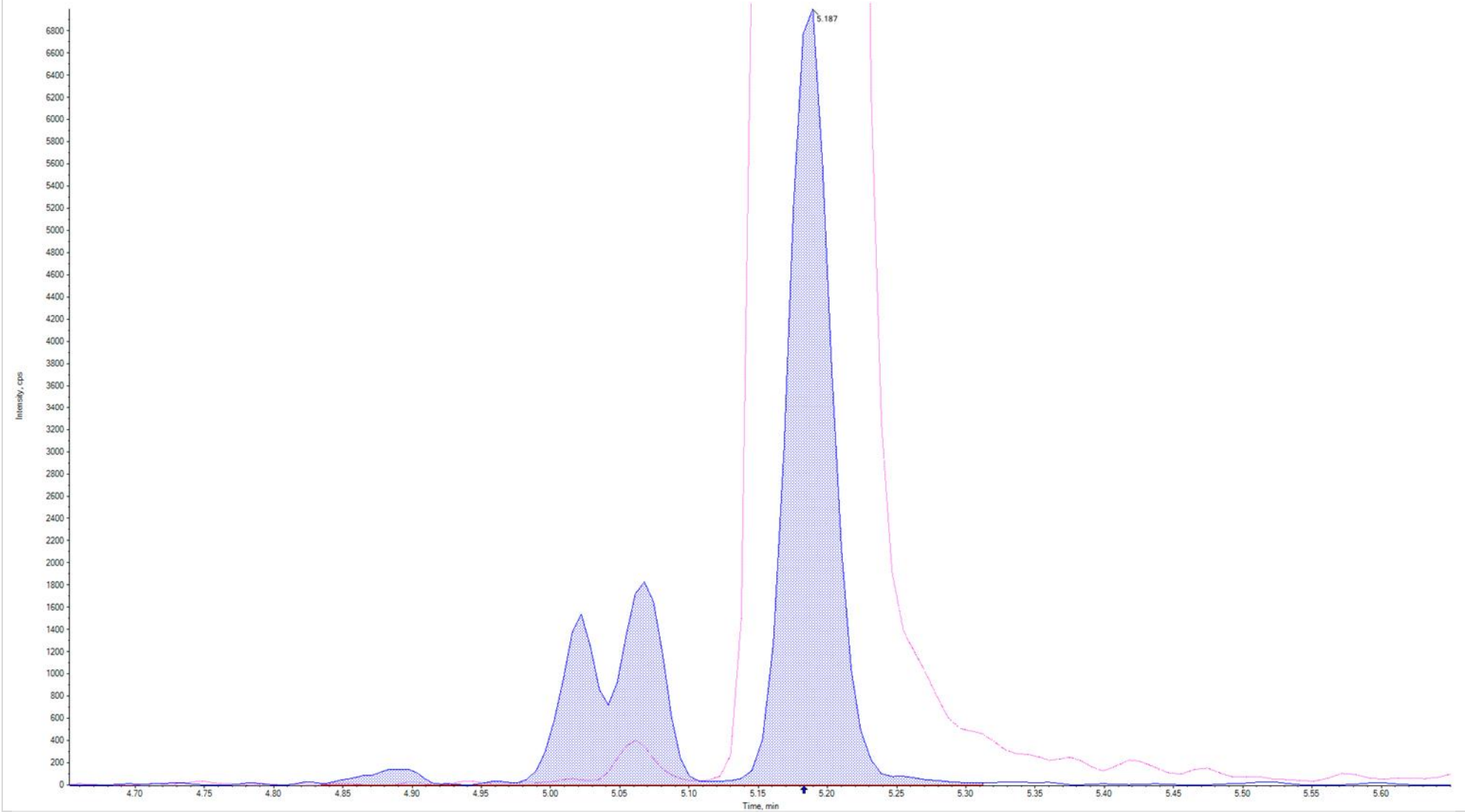
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

8:2FTS_2
Sample: IA1633STD-.1 S/N:85.4 Points Across peak:19



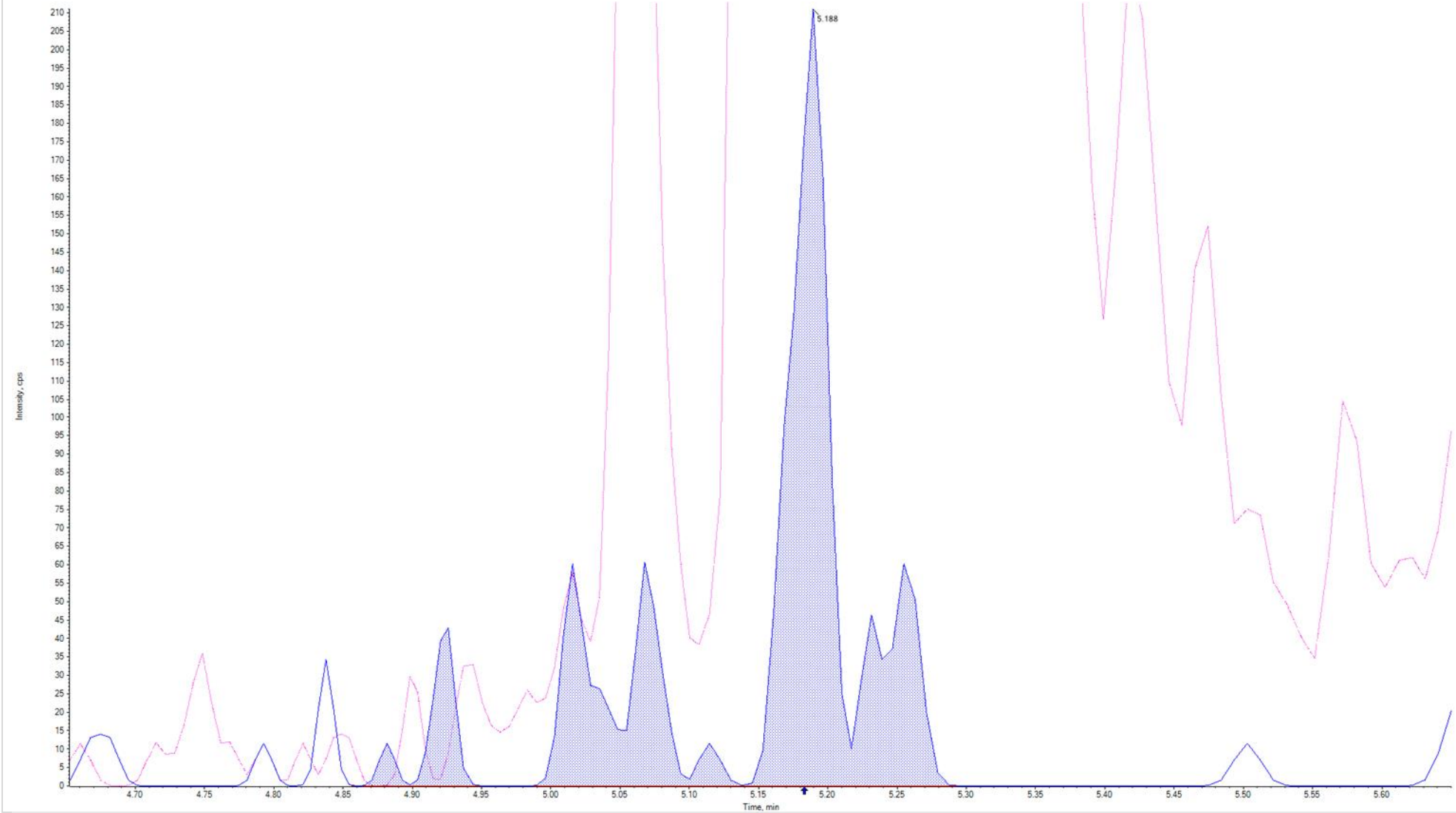
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFOSA
Sample: IA1633STD-.1 S/N:185.2 Points Across peak:74



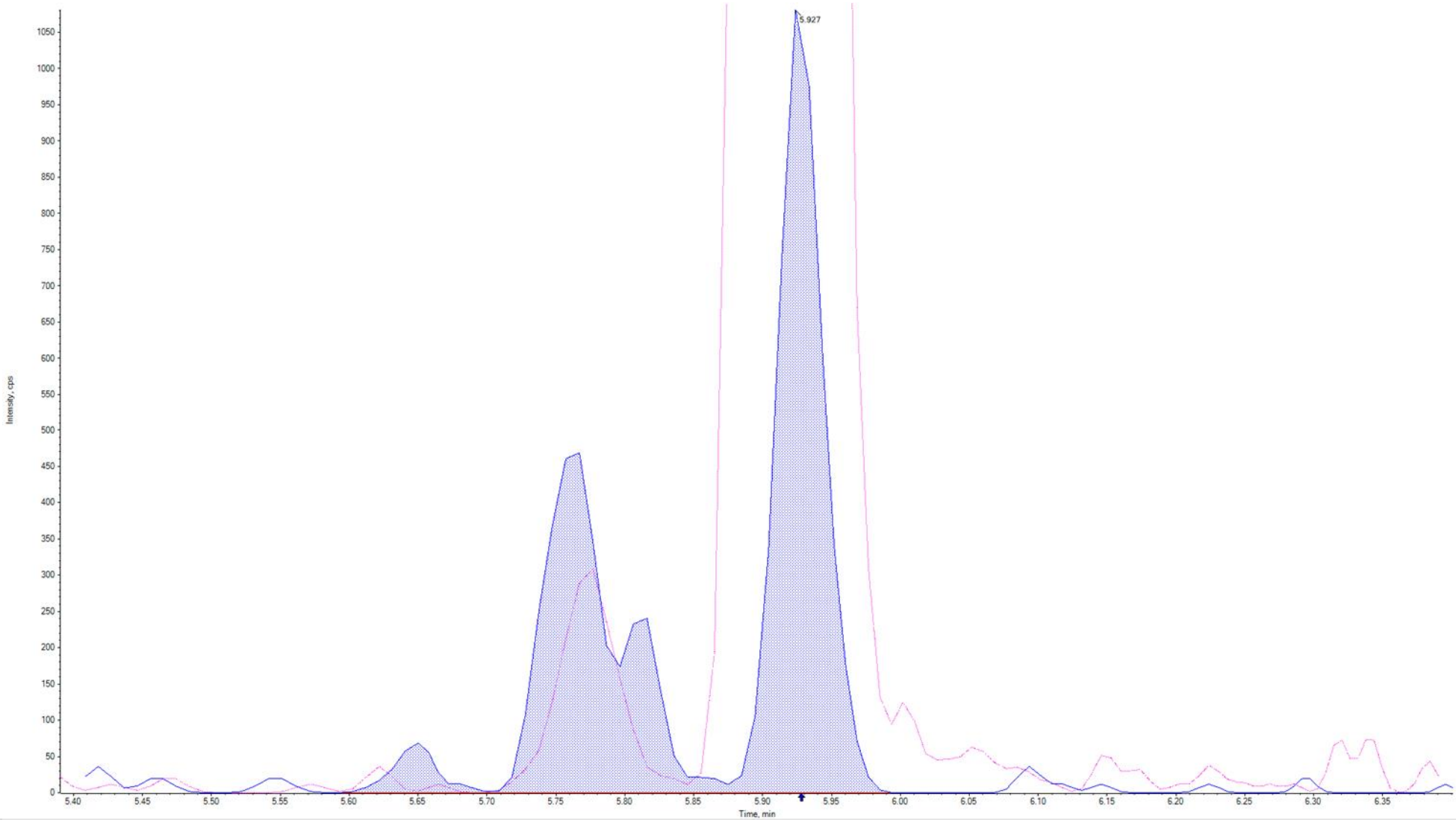
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_11.wiff2_1
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFOSA_2
Sample: IA1633STD-.1 S/N:18.5 Points Across peak:68



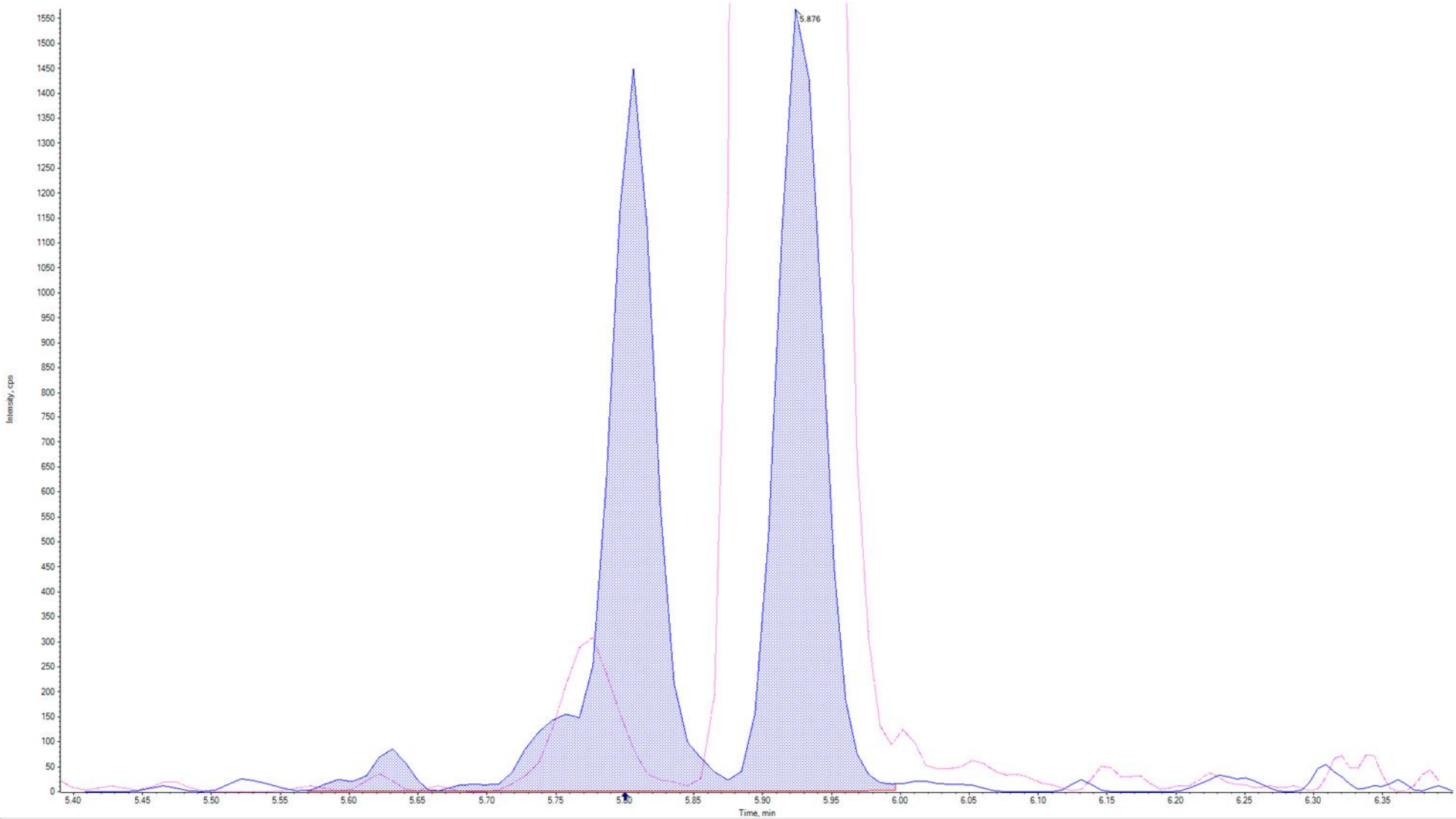
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_11.wiff2_1
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NMeFOSA
Sample: IA1633STD-.1 S/N:89.4 Points Across peak:46



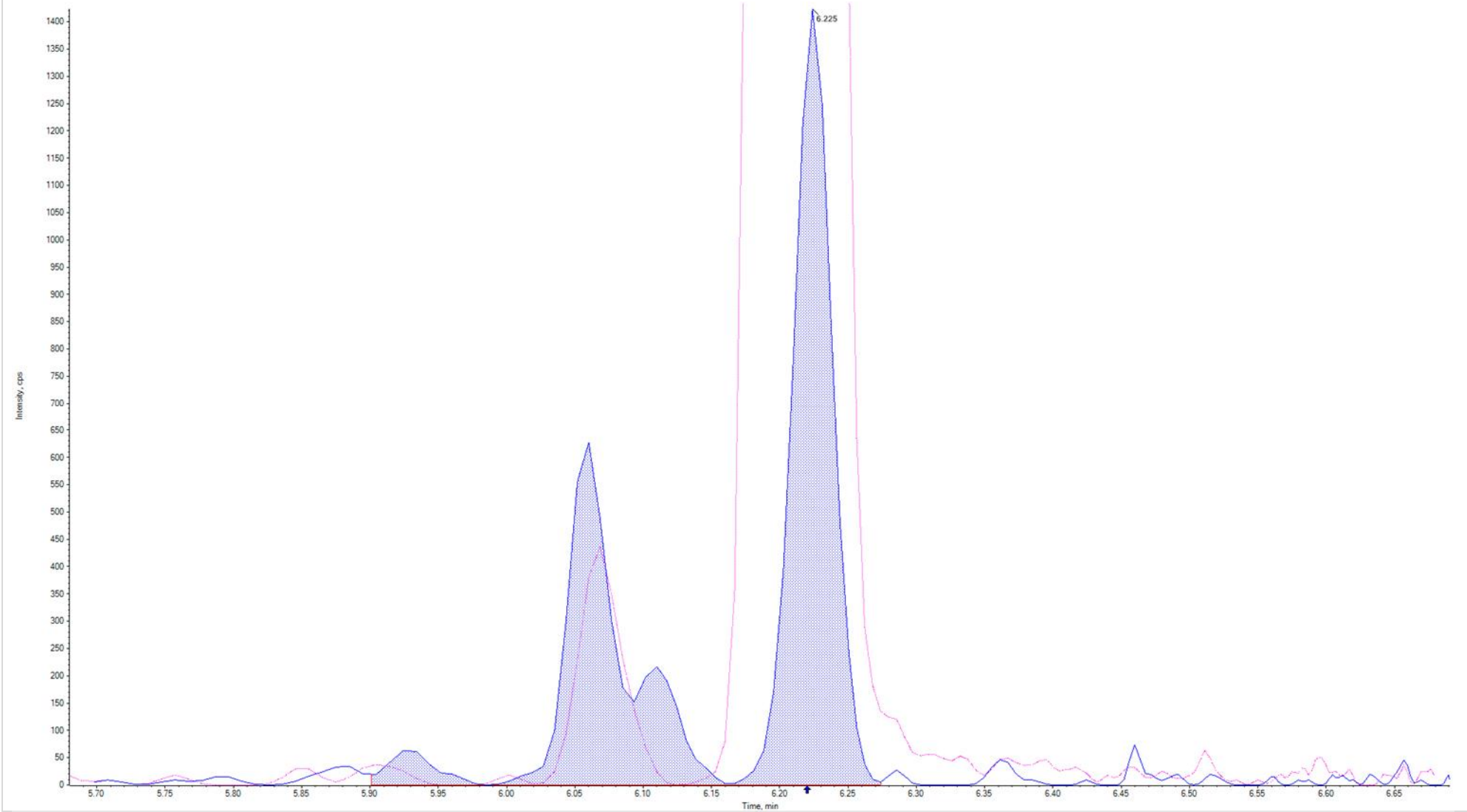
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_11.wiff2_1
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NMeFOSA_2
Sample: IA1633STD-.1 S/N:92.7 Points Across peak:48



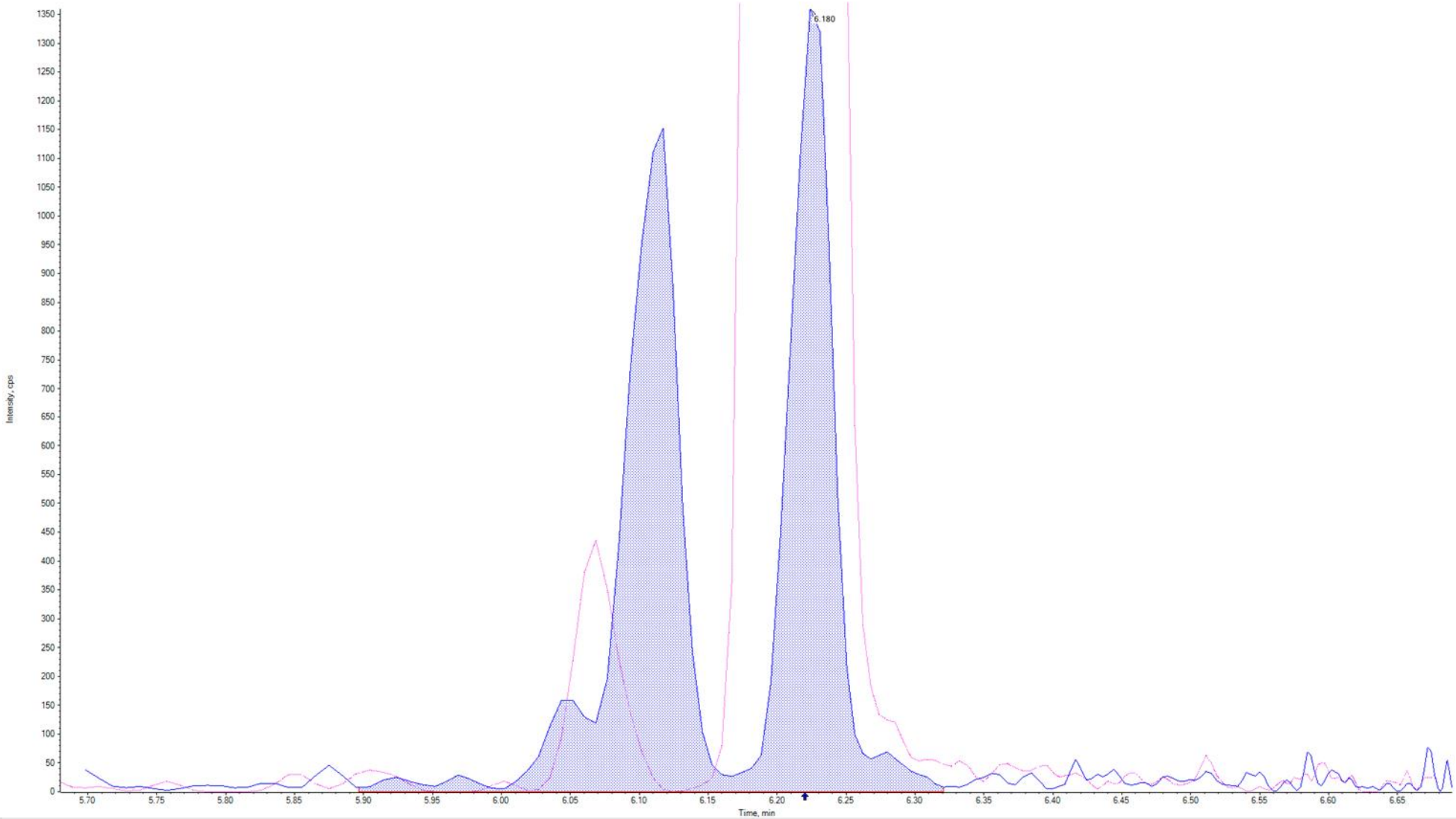
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_11.wiff2_1
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NEtFOSA
Sample: IA1633STD-.1 S/N:153.4 Points Across peak:51



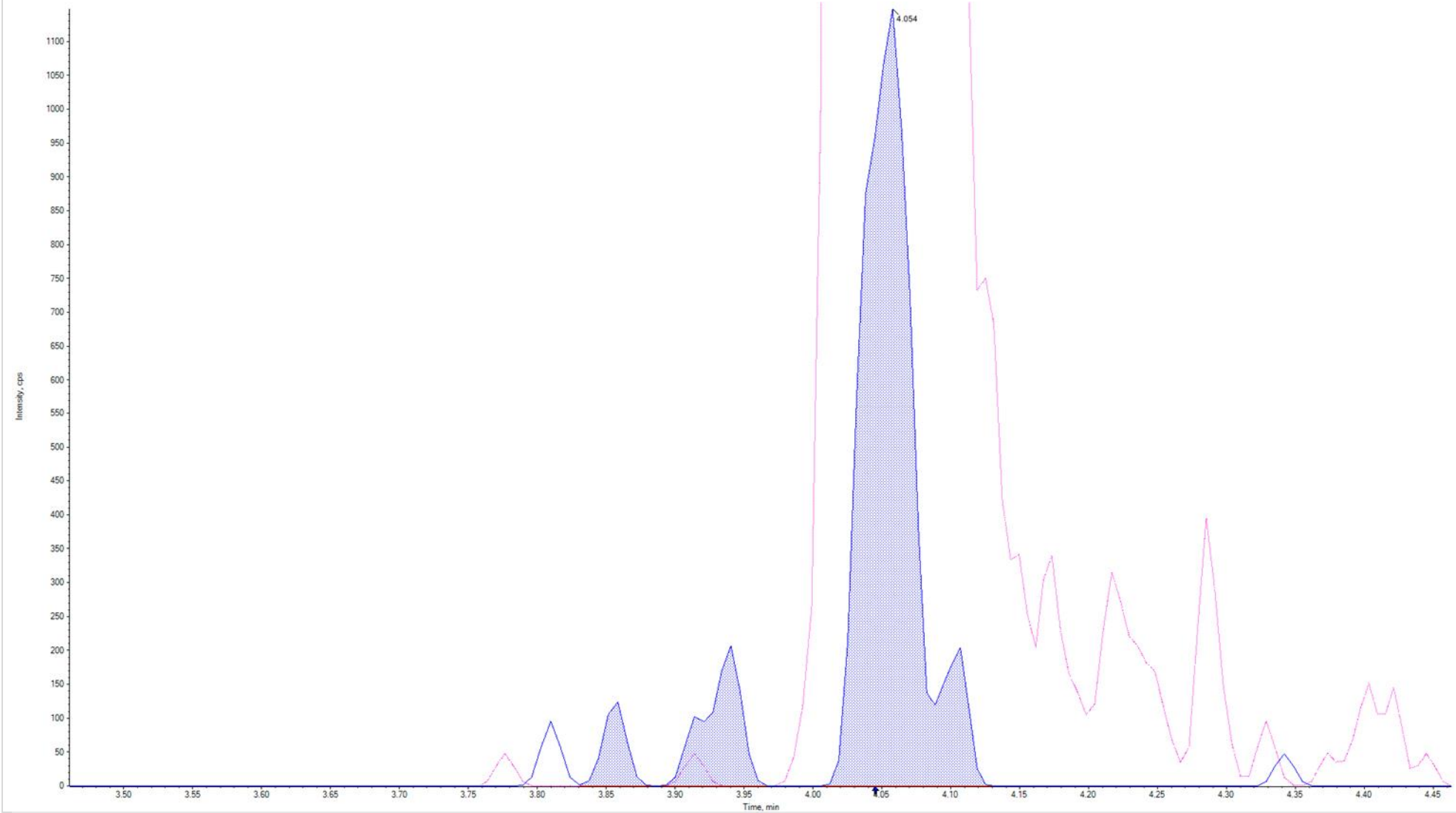
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_11.wiff2_1
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NEtFOSA_2
Sample: IA1633STD-.1 S/N:101.2 Points Across peak:59



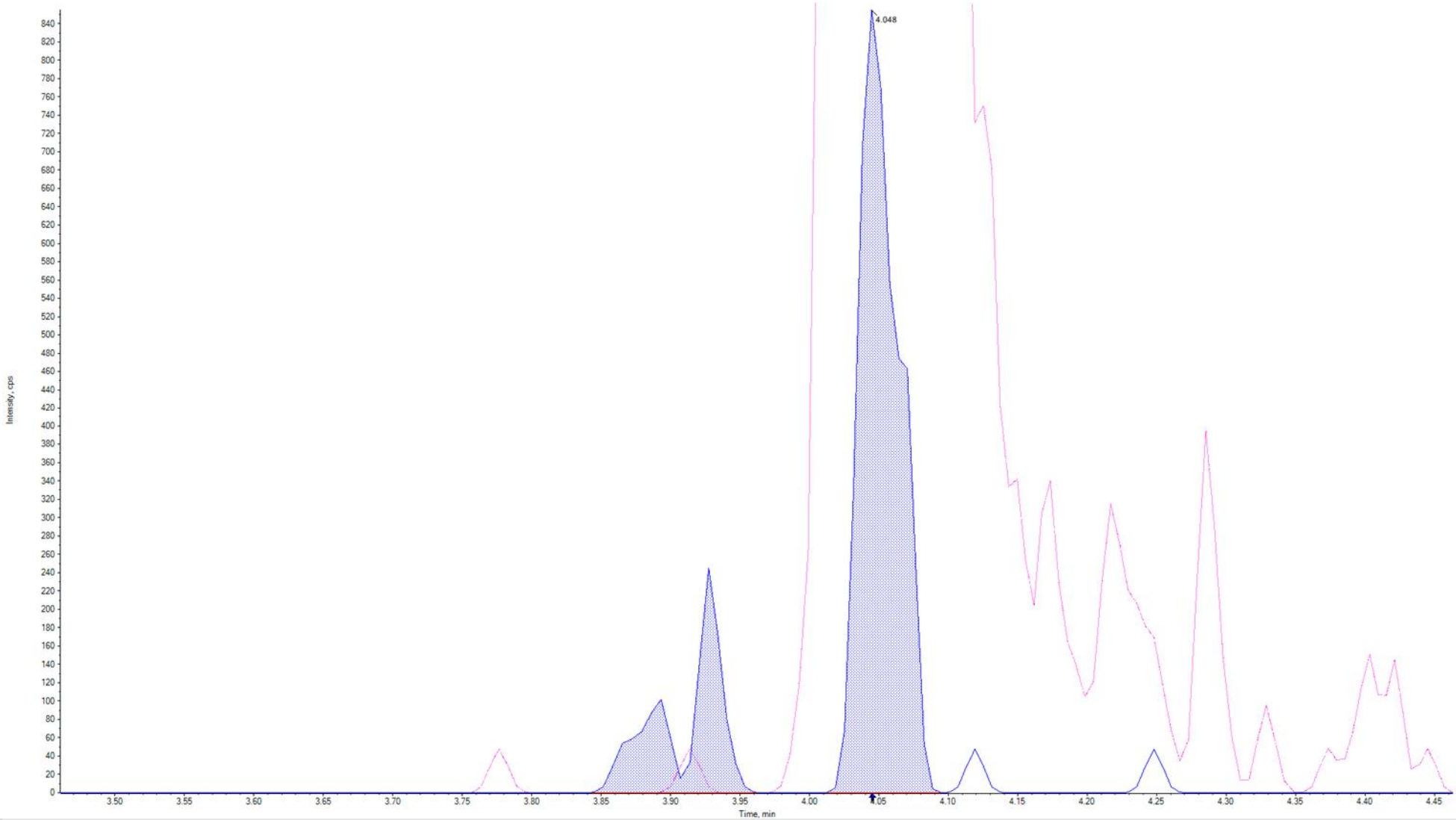
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_11.wiff2_1
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NMeFOSAA
Sample: IA1633STD-.1 S/N:23.0 Points Across peak:47



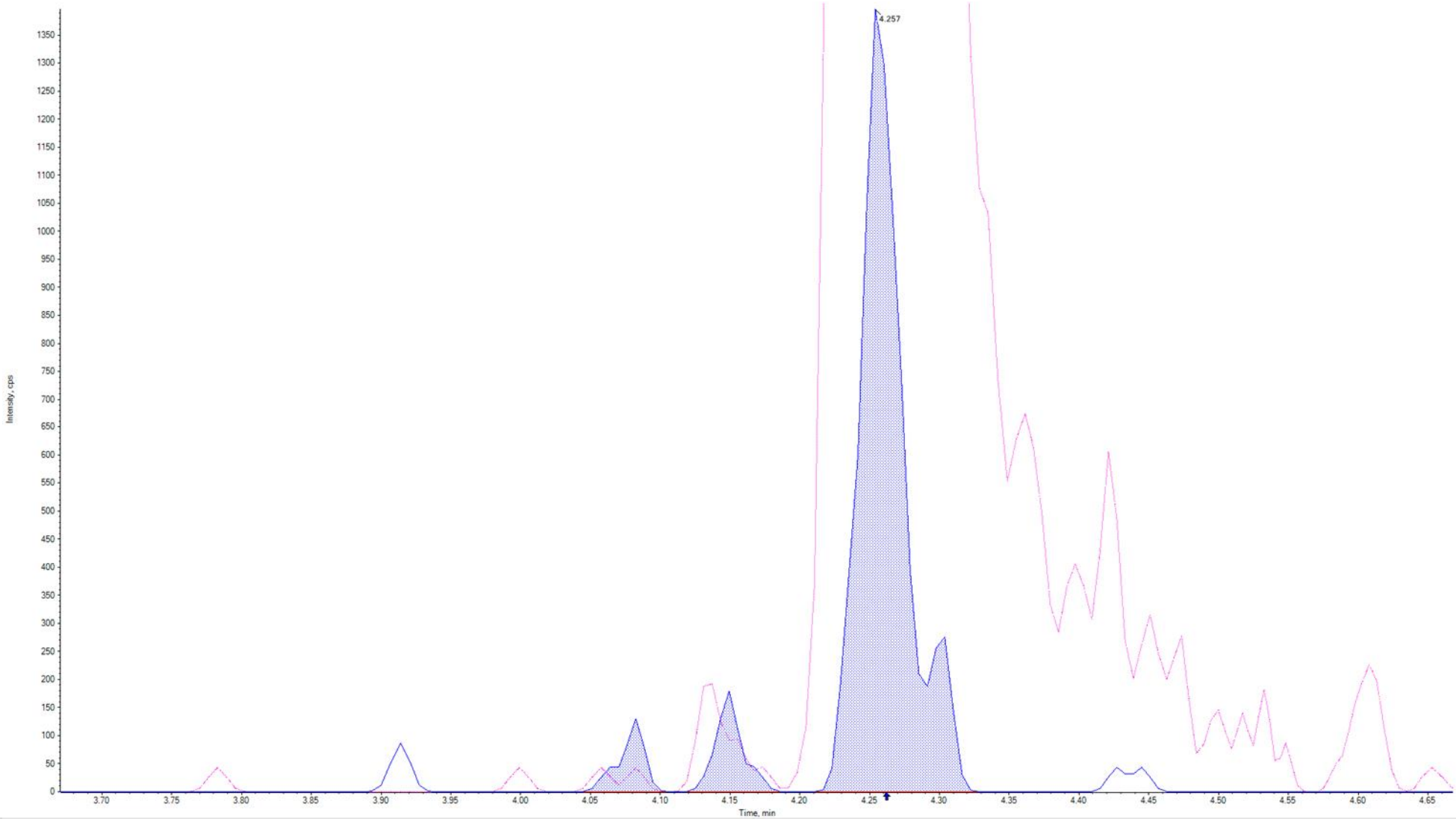
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_11.wiff2_1
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NMeFOSAA_2
Sample: IA1633STD-.1 S/N:17.1 Points Across peak:41



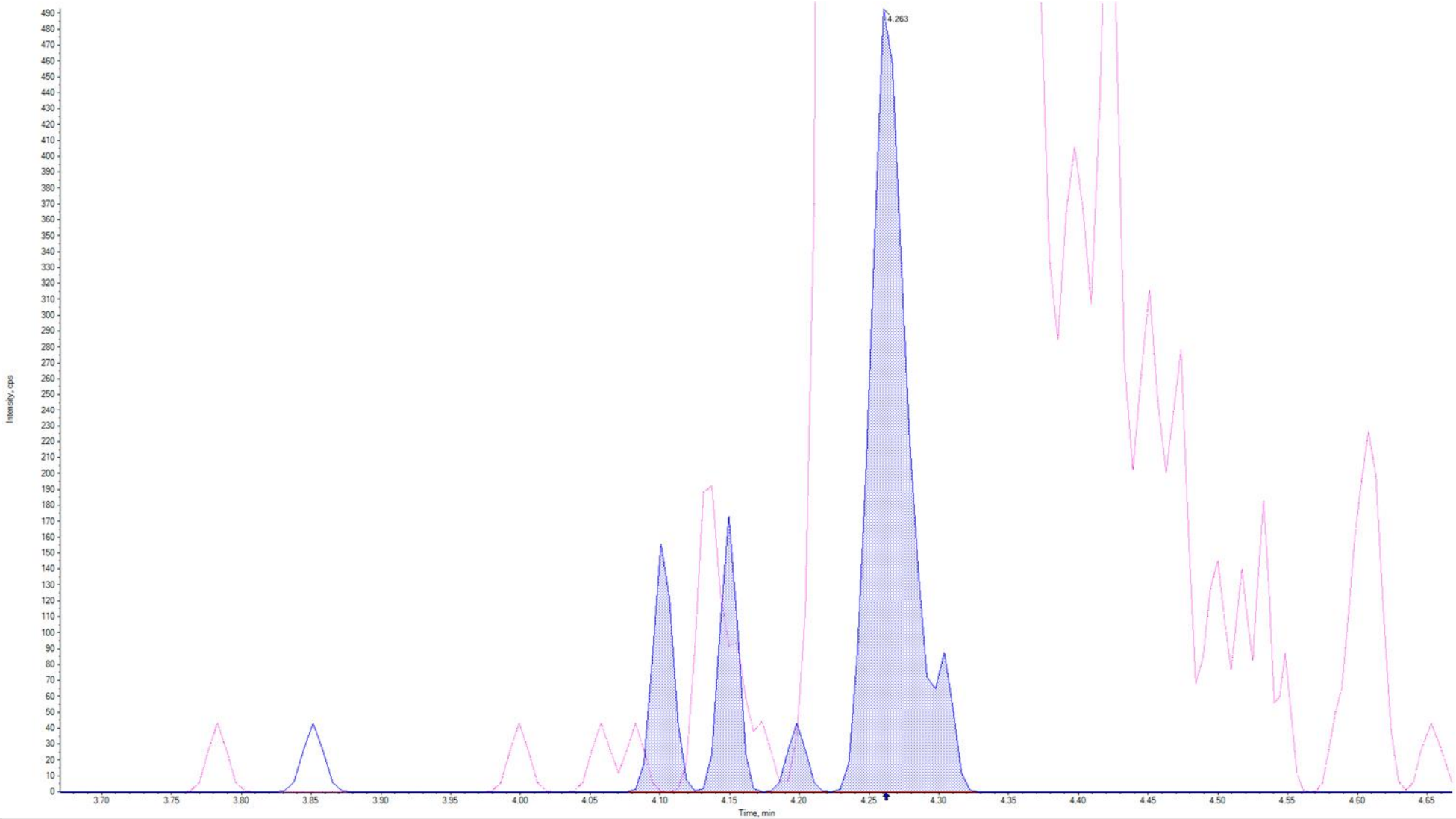
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_11.wiff2_1
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NEtFOSAA
Sample: IA1633STD-.1 S/N:31.5 Points Across peak:51



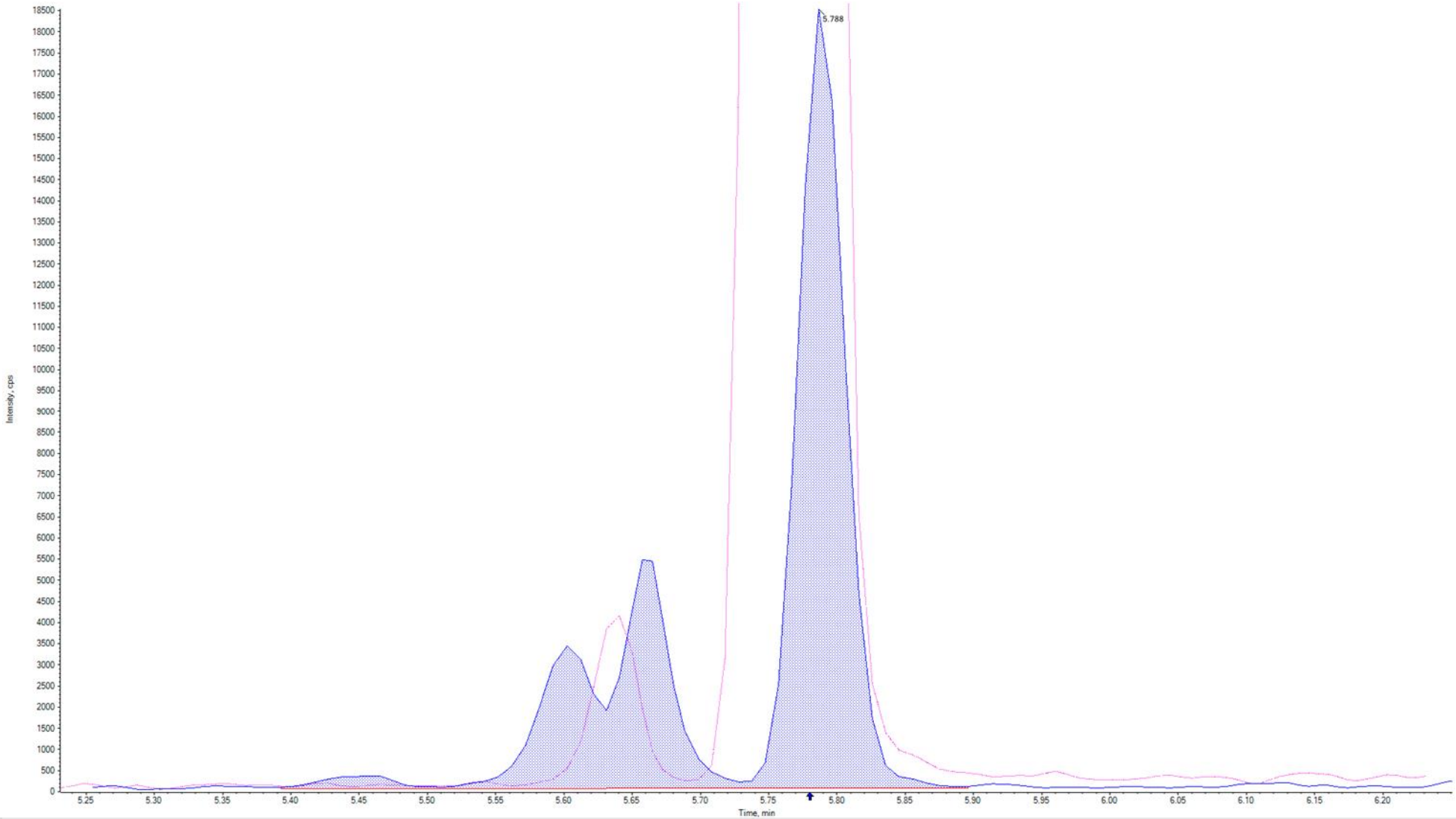
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_11.wiff2_1
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NEtFOSAA_2
Sample: IA1633STD-.1 S/N:11.1 Points Across peak:45



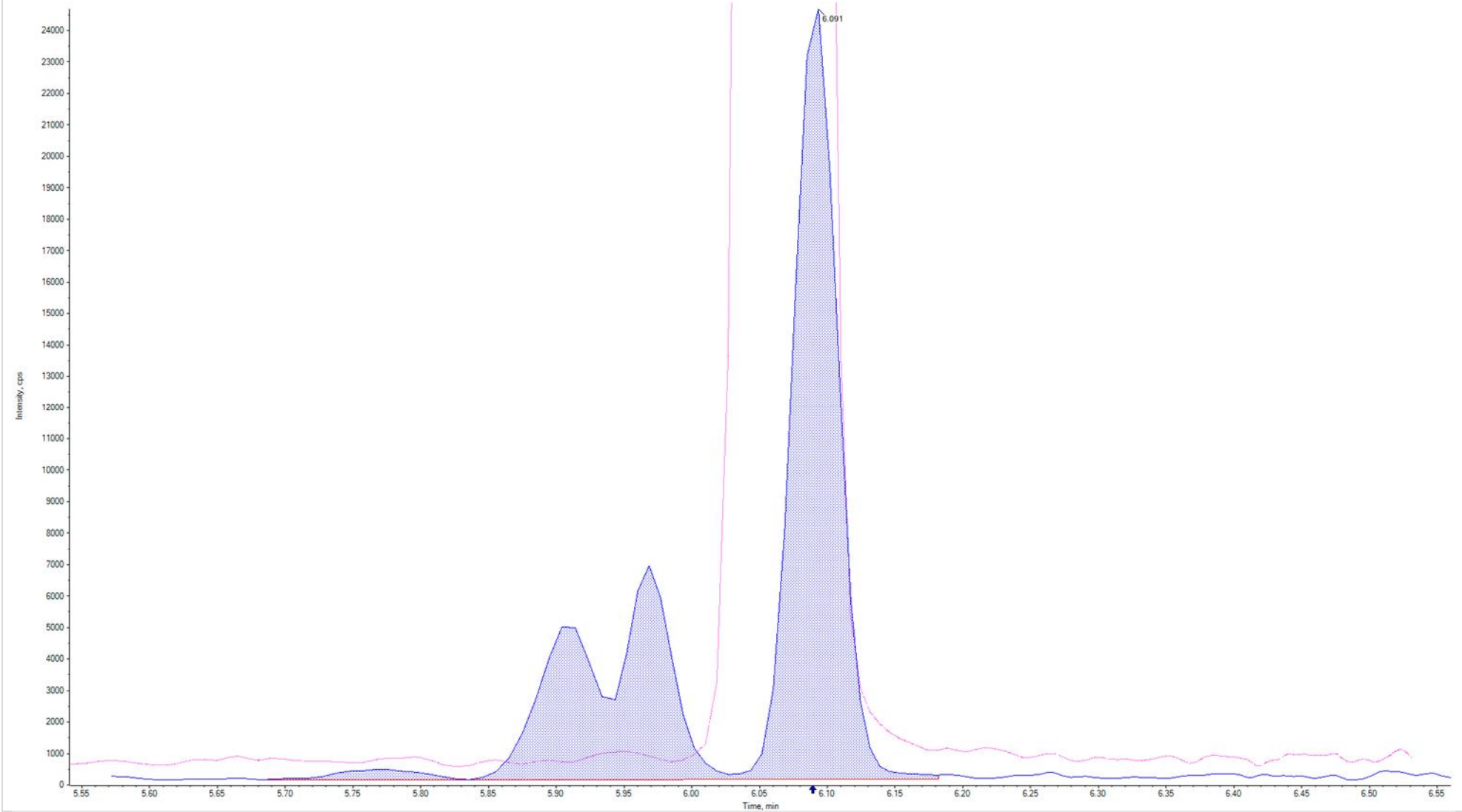
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_11.wiff2_1
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NMeFOSE
Sample: IA1633STD-.1 S/N:142.3 Points Across peak:55



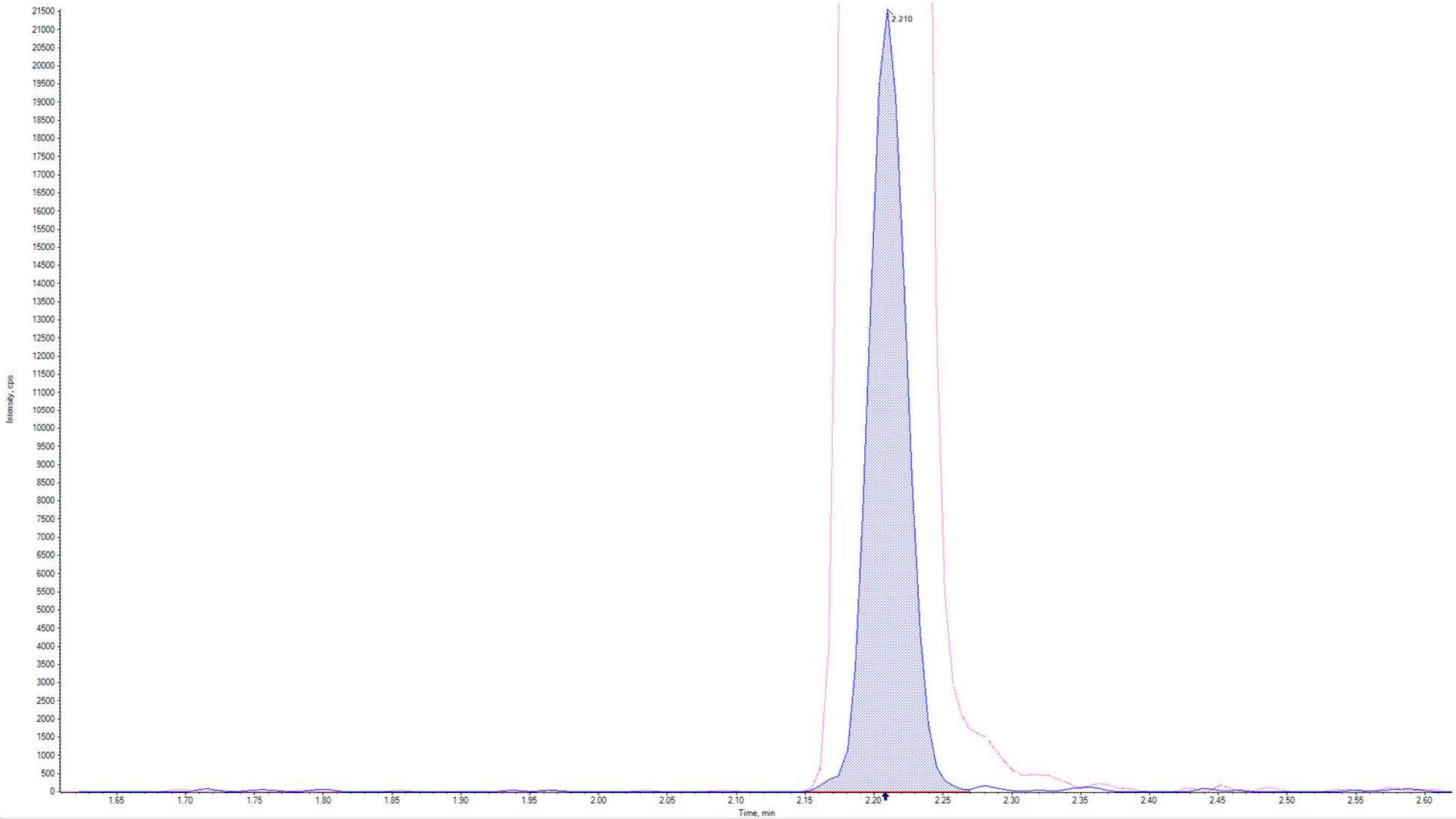
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_11.wiff2_1
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NEtFOSE
Sample: IA1633STD-.1 S/N:184.0 Points Across peak:59



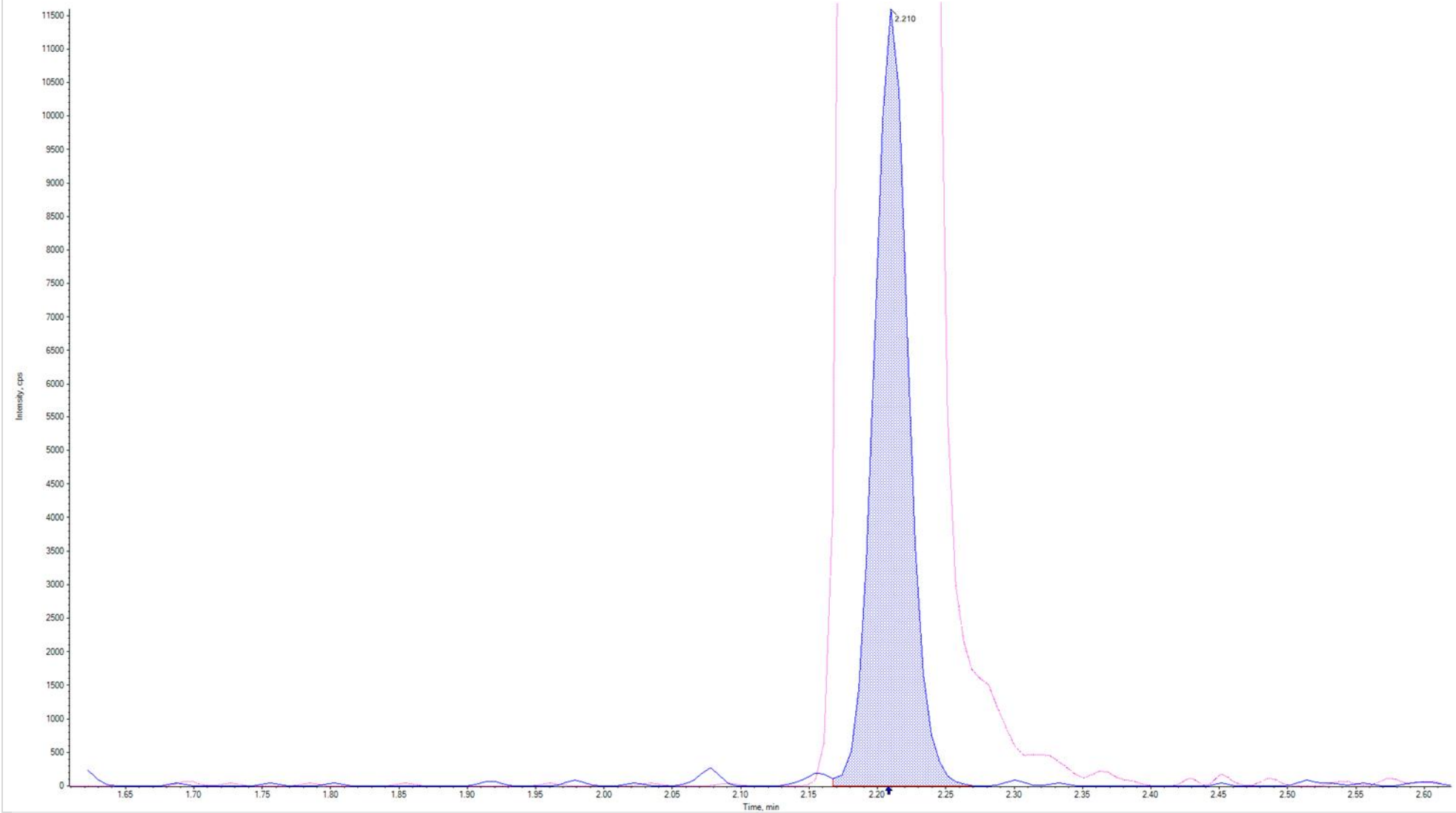
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_11.wiff2_1
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

HFPO-DA
Sample: IA1633STD-.1 S/N:486.4 Points Across peak:26



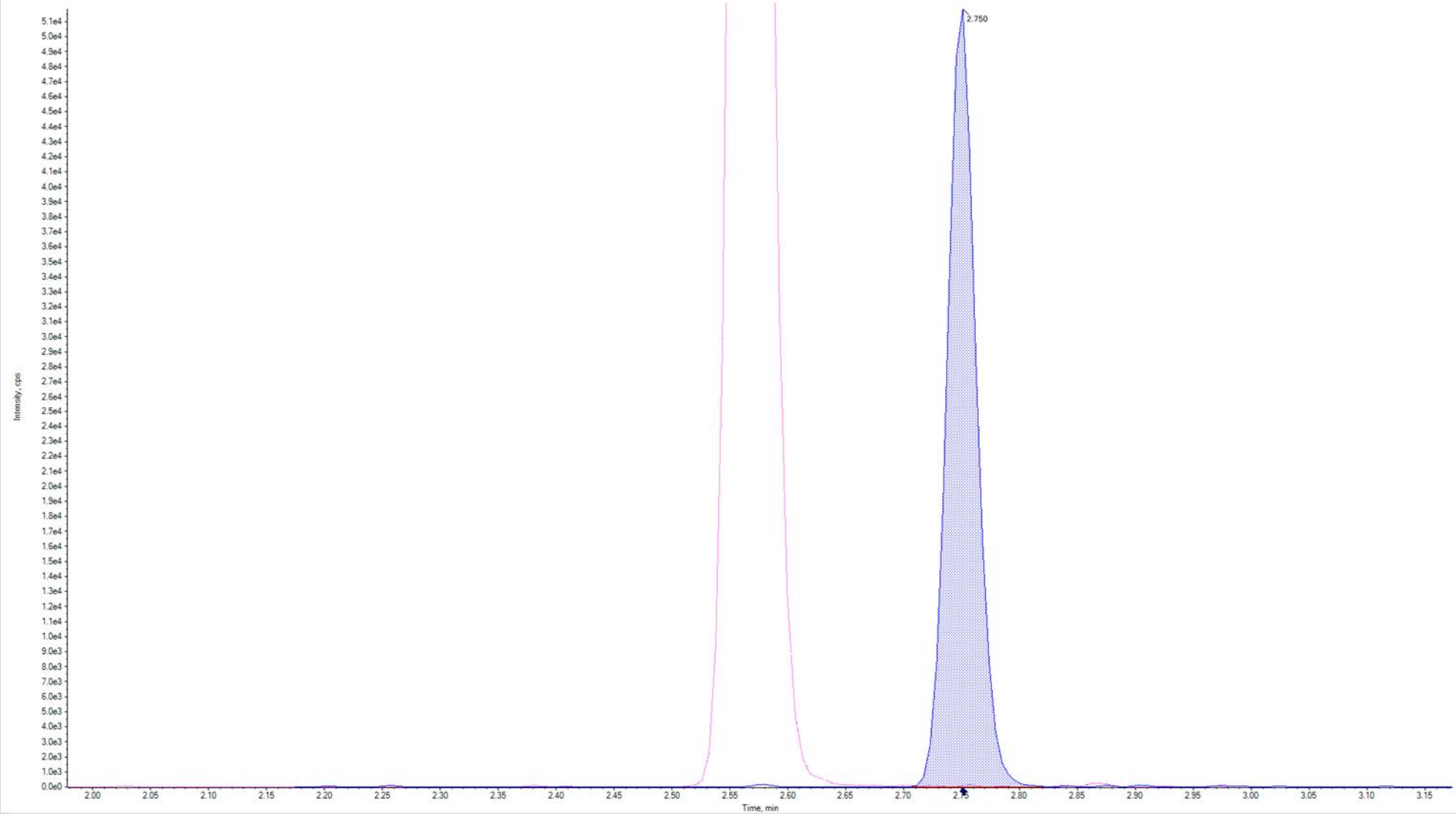
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_11.wiff2_1
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

HFPO-DA_2
Sample: IA1633STD-.1 S/N:261.6 Points Across peak:19



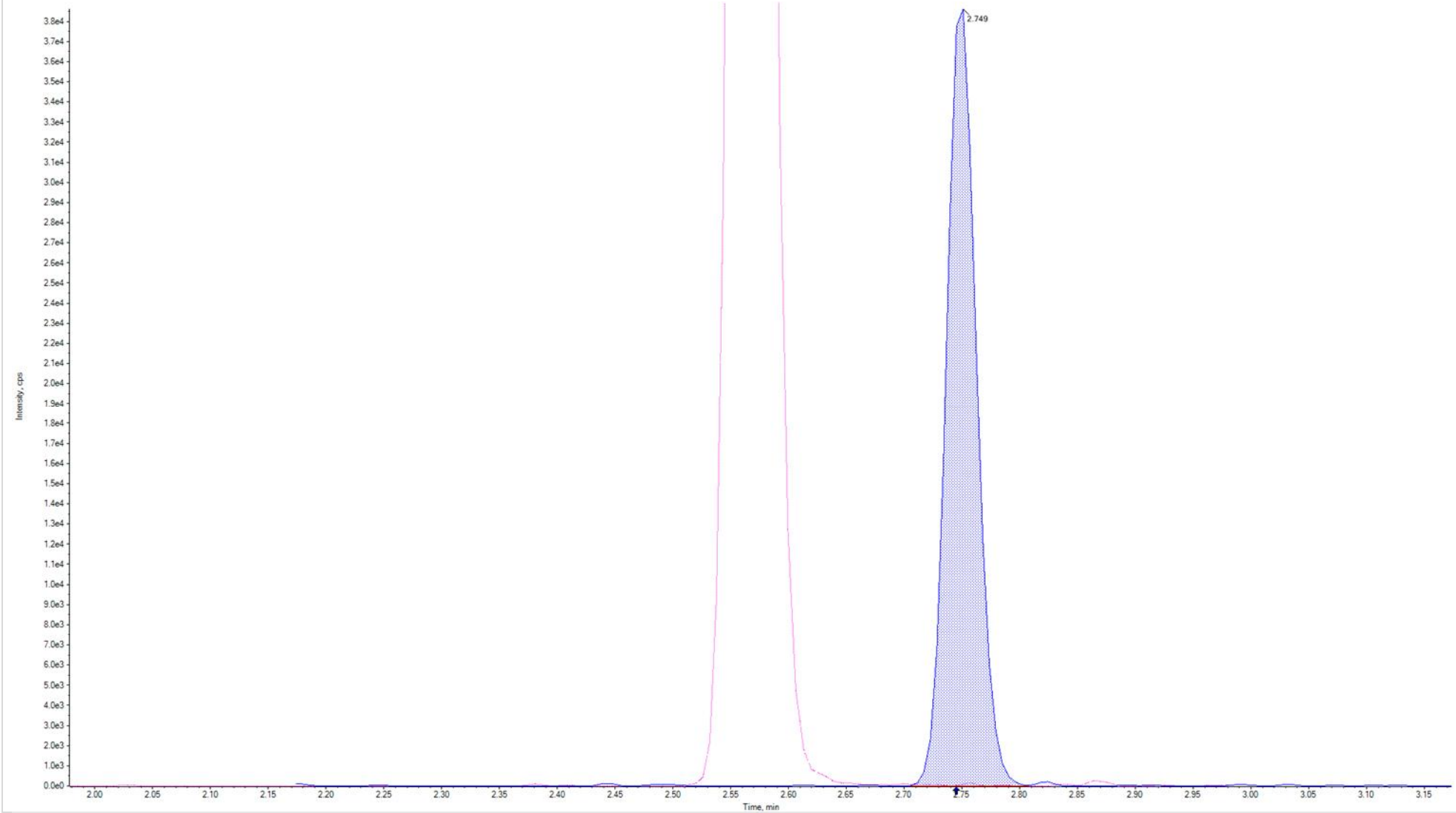
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_11.wiff2_1
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

ADONA
Sample: IA1633STD-.1 S/N:1039.4 Points Across peak:27



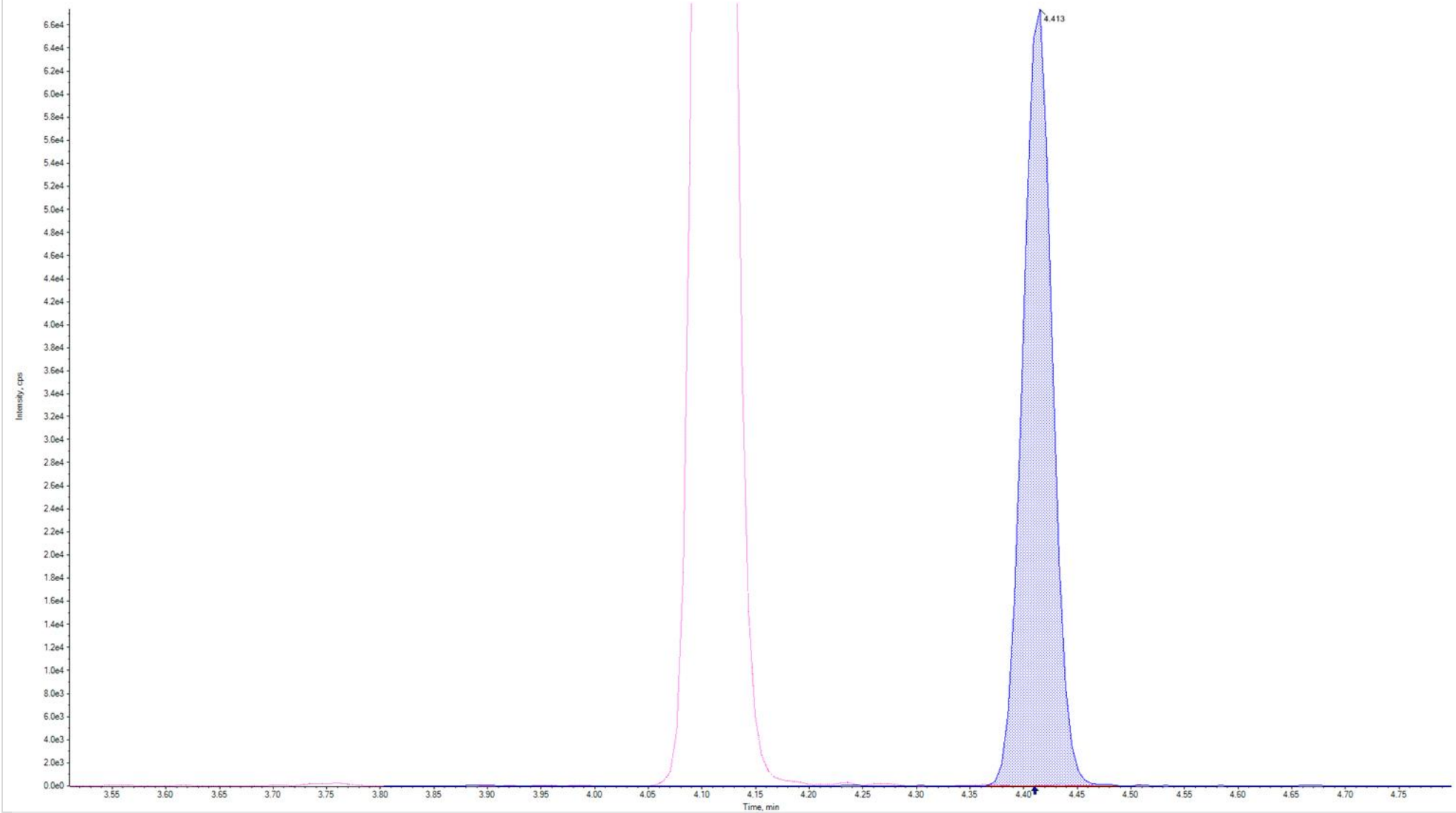
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_11.wiff2_1
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

ADONA_2
Sample: IA1633STD-.1 S/N:774.3 Points Across peak:21



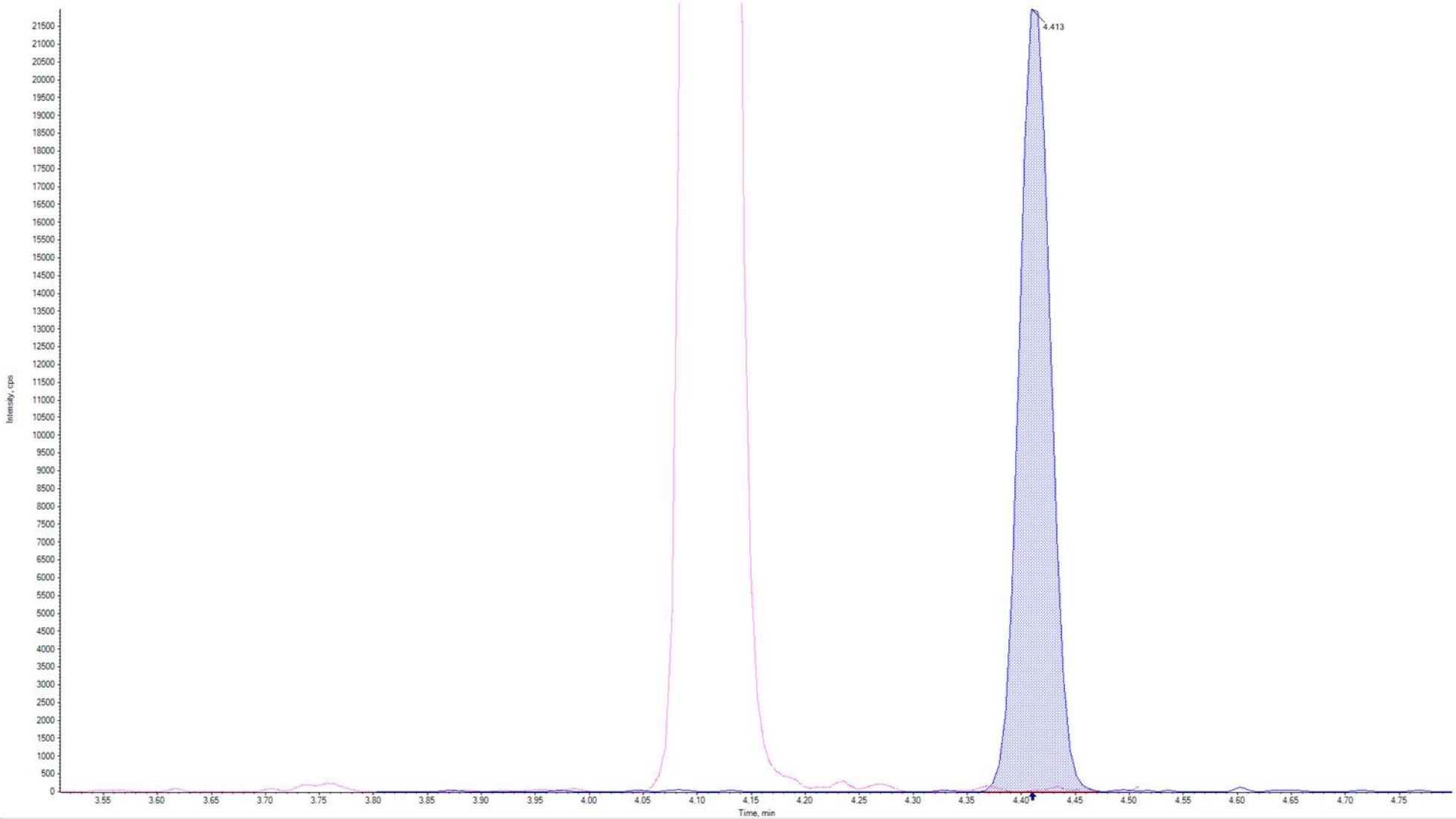
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_11.wiff2_1
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

9Cl-PF3ONS
Sample: IA1633STD-.1 S/N:1519.9 Points Across peak:27



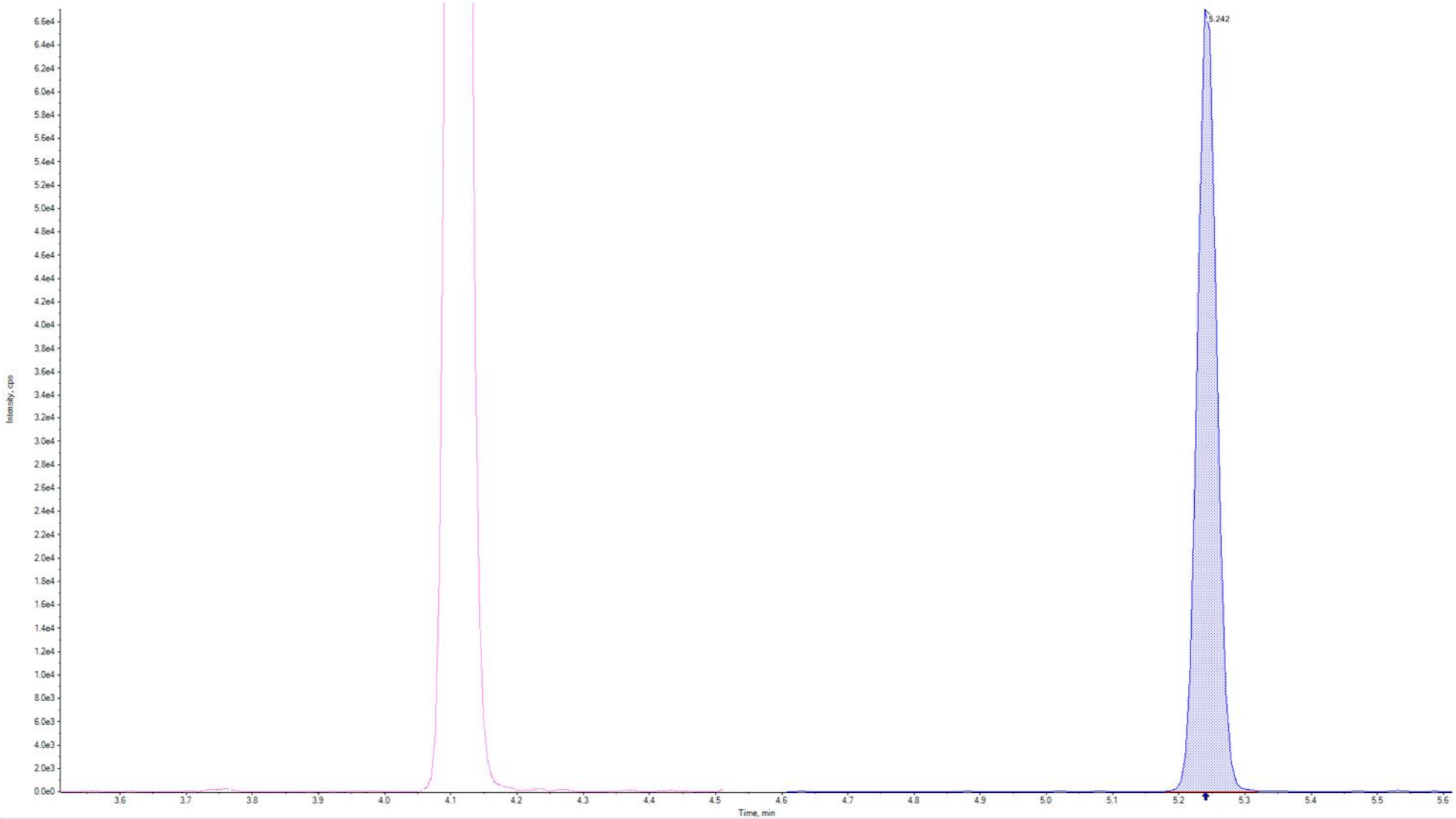
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

9Cl-PF3ONS_2
Sample: IA1633STD-.1 S/N:496.0 Points Across peak:22



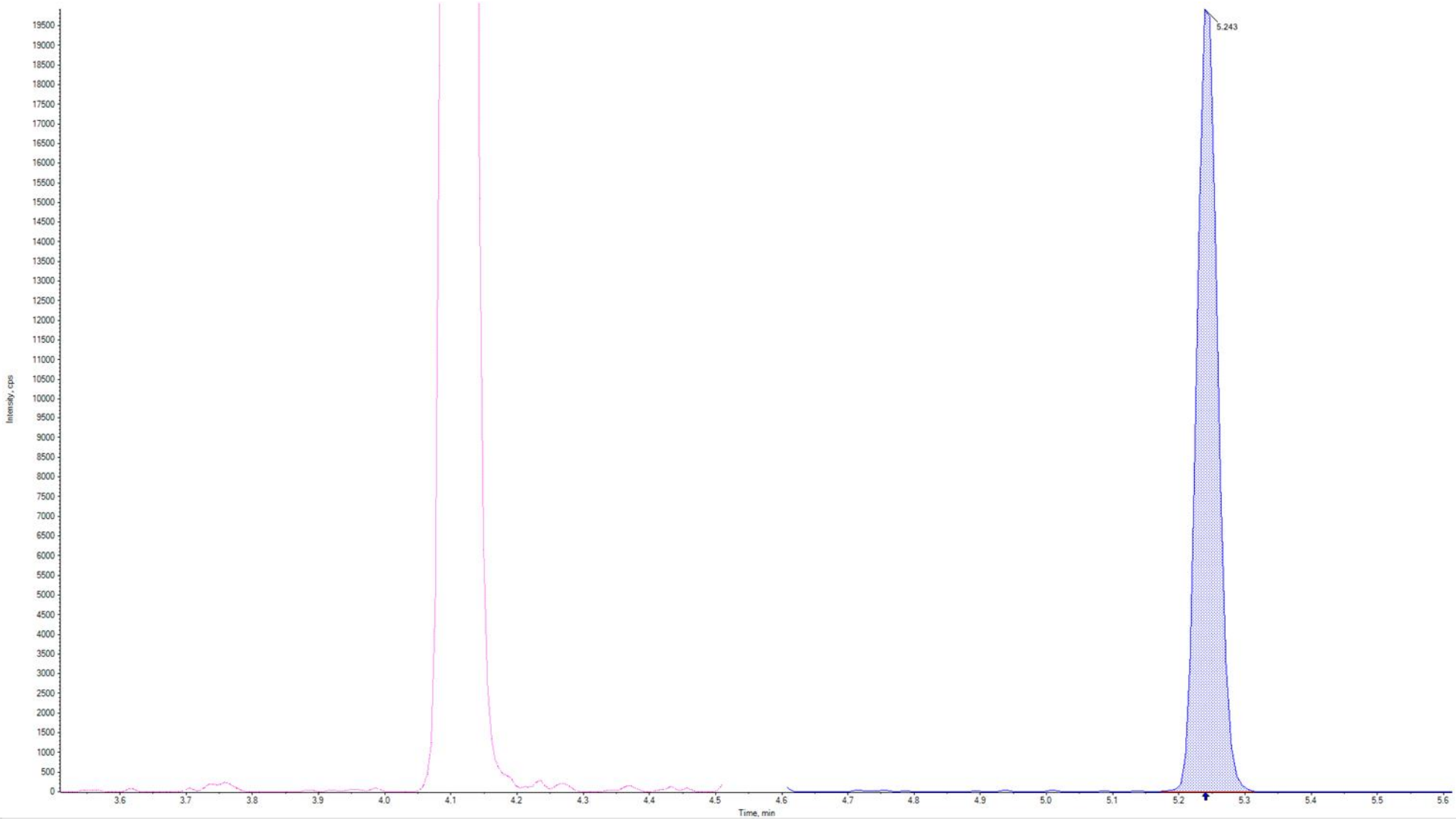
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

11Cl-PF3OUdS
Sample: IA1633STD-.1 S/N:2465.7 Points Across peak:24



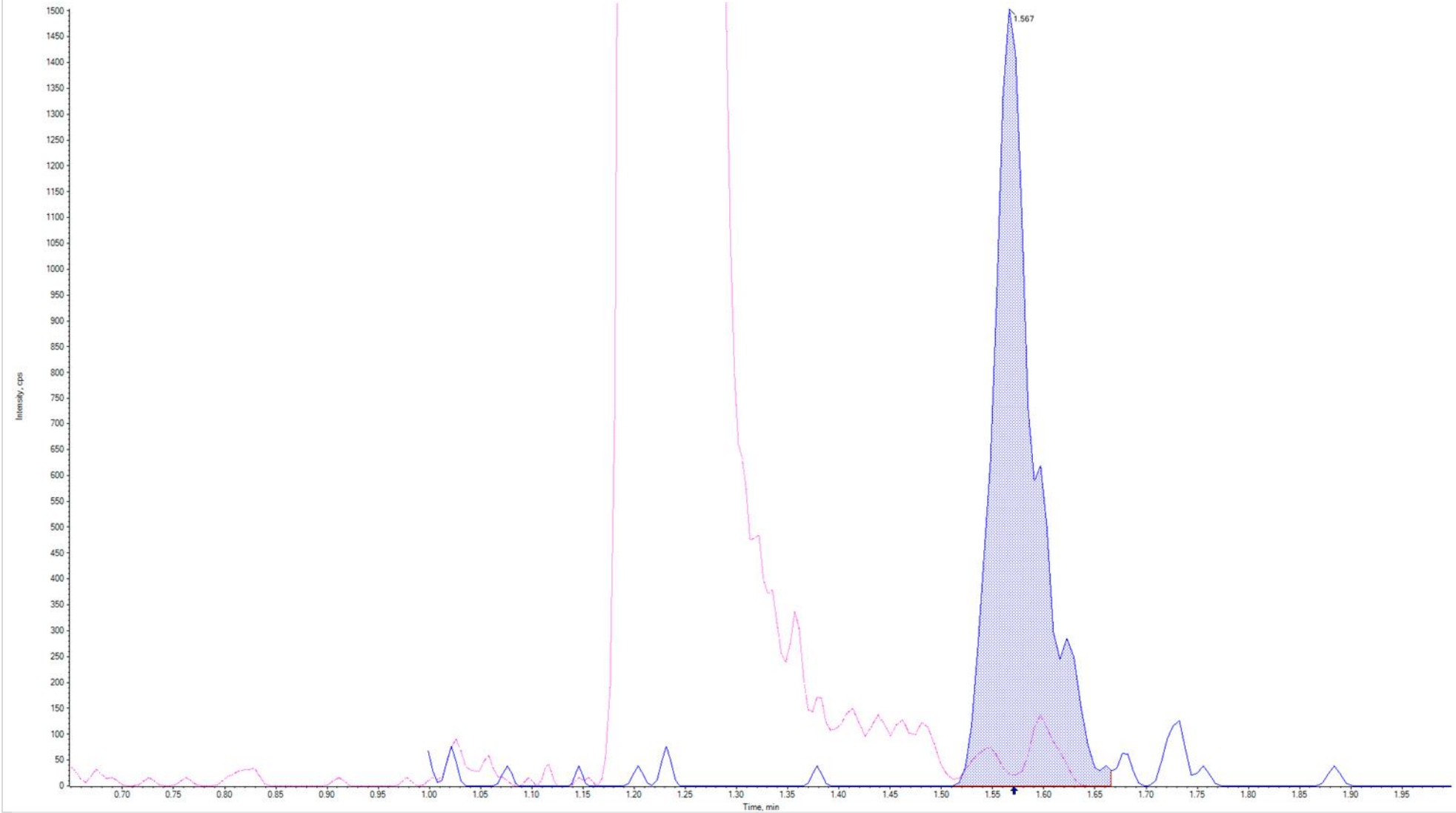
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_11.wiff2_1
Last Altered: 12/16/2024 8:11:58 PM
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11Cl-PF3OUdS_2
Sample: IA1633STD-.1 S/N:948.7 Points Across peak:27

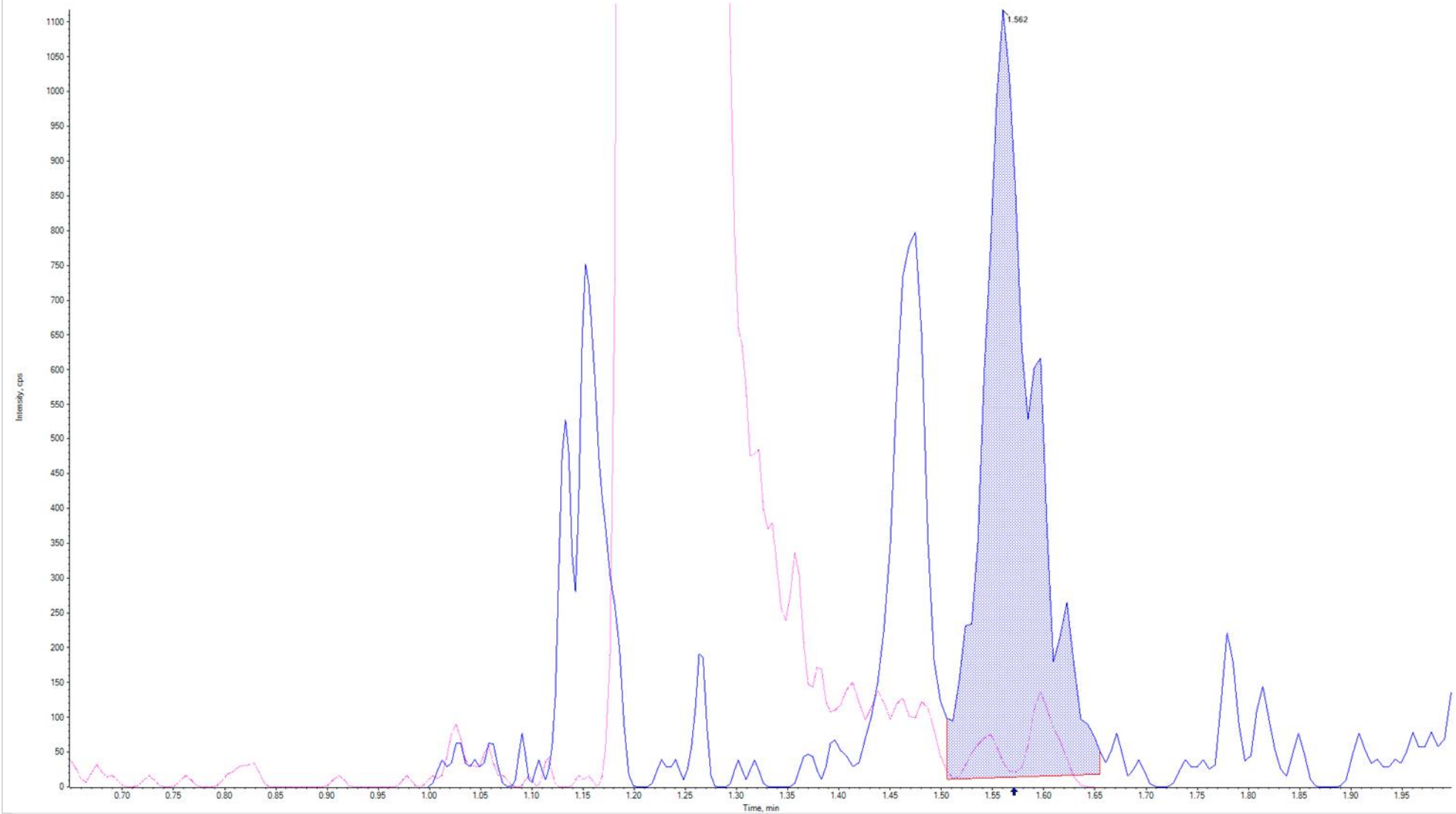


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_11.wiff2_1
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

3:3FTCA
Sample: IA1633STD-.1 S/N:37.7 Points Across peak:31

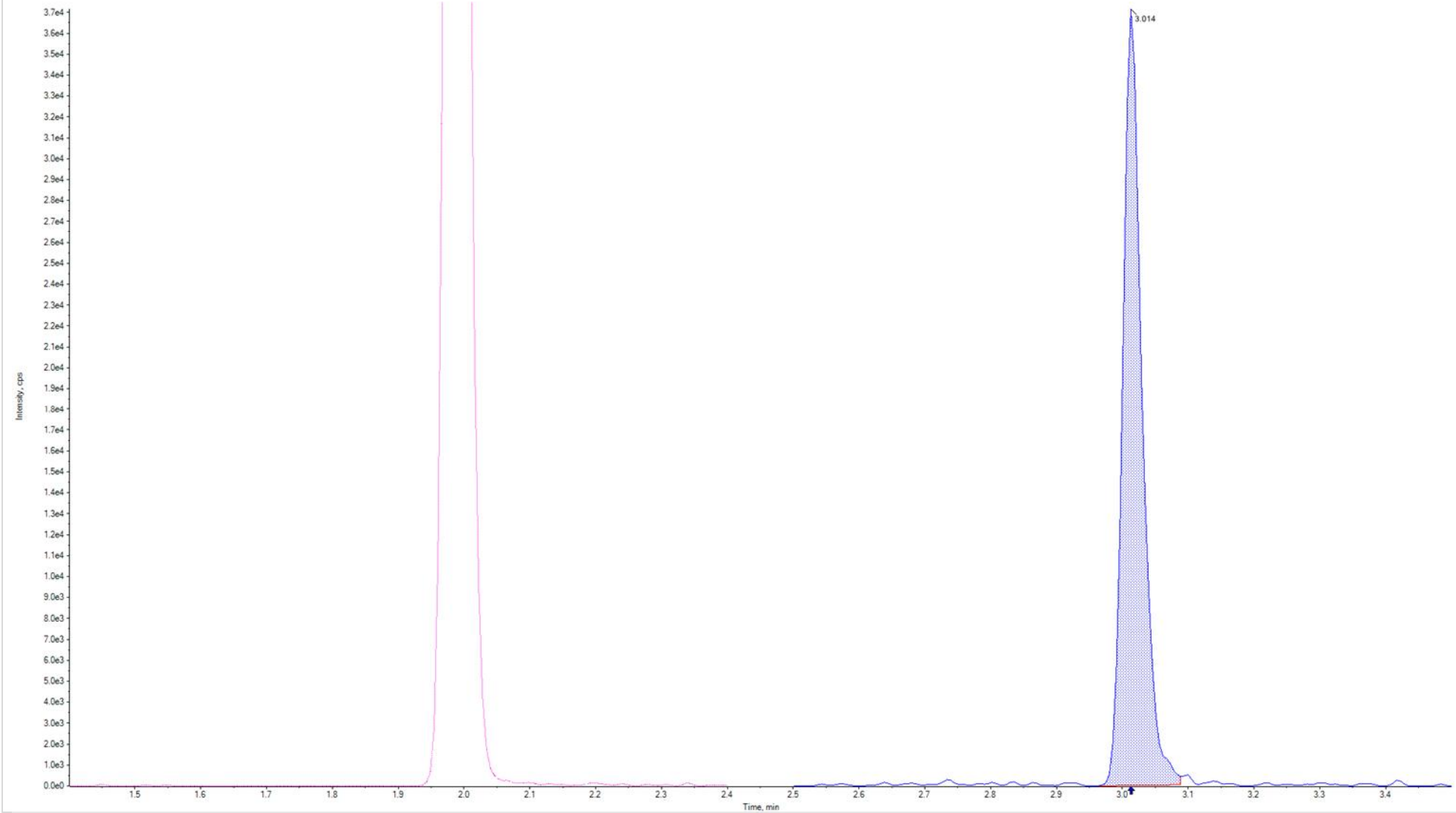


3:3FTCA_2
Sample: IA1633STD-.1 S/N:27.7 Points Across peak:25



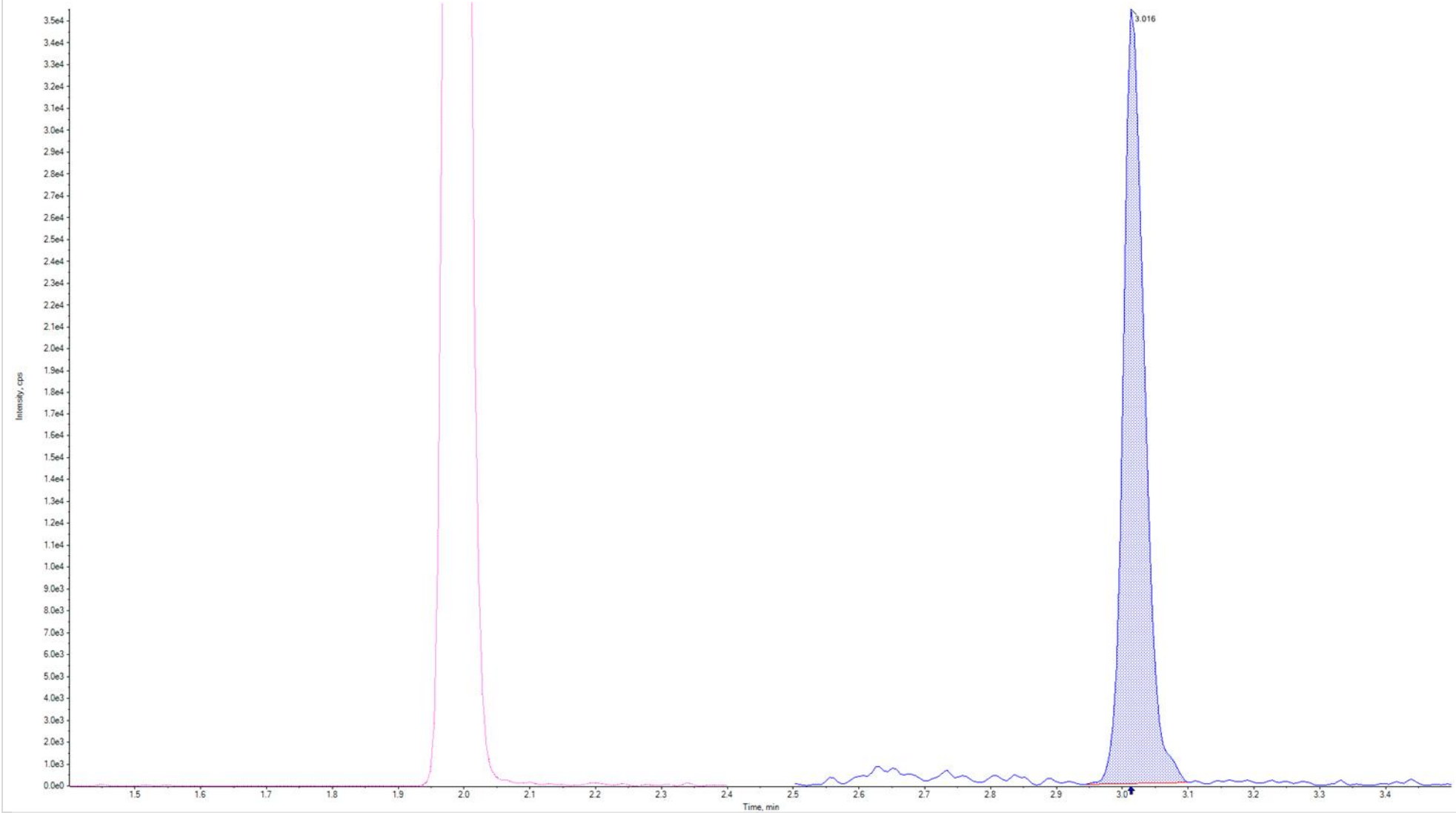
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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5:3FTCA
Sample: IA1633STD-.1 S/N:837.5 Points Across peak:25



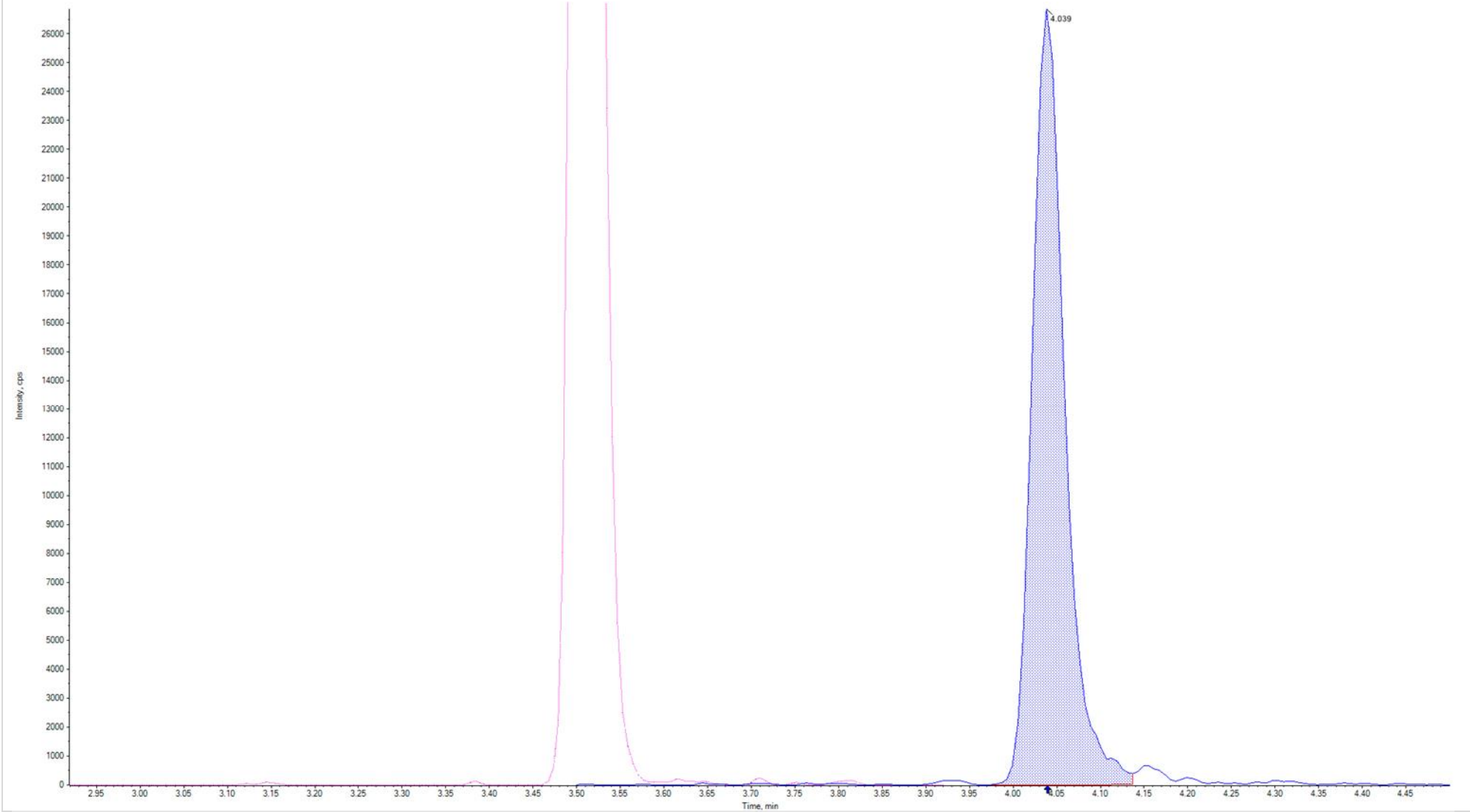
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_11.wiff2_1
Last Altered: 12/16/2024 8:11:58 PM
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5:3FTCA_2
Sample: IA1633STD-.1 S/N:799.2 Points Across peak:29

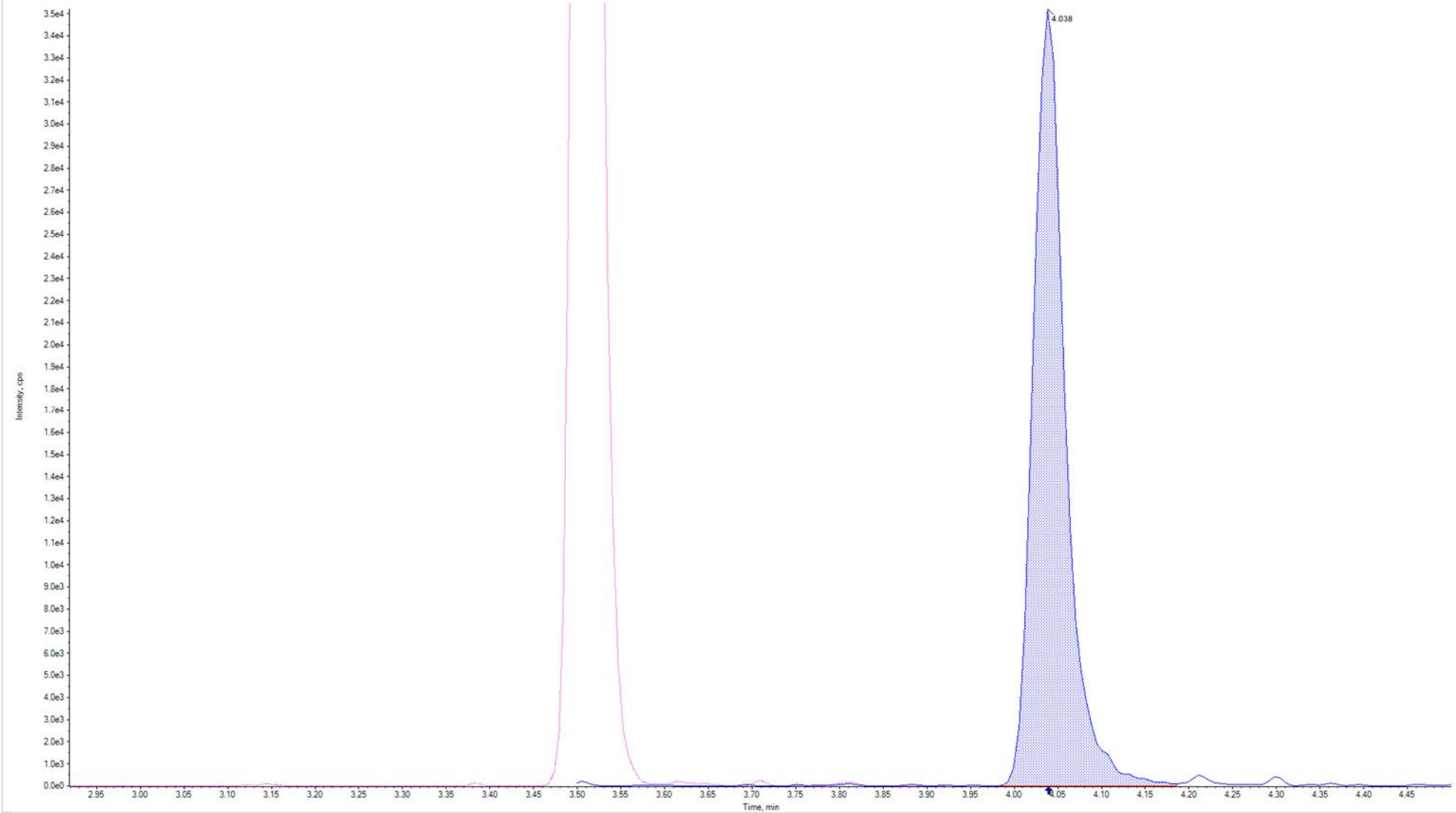


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_11.wiff2_1
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

7:3FTCA
Sample: IA1633STD-.1 S/N:740.2 Points Across peak:28

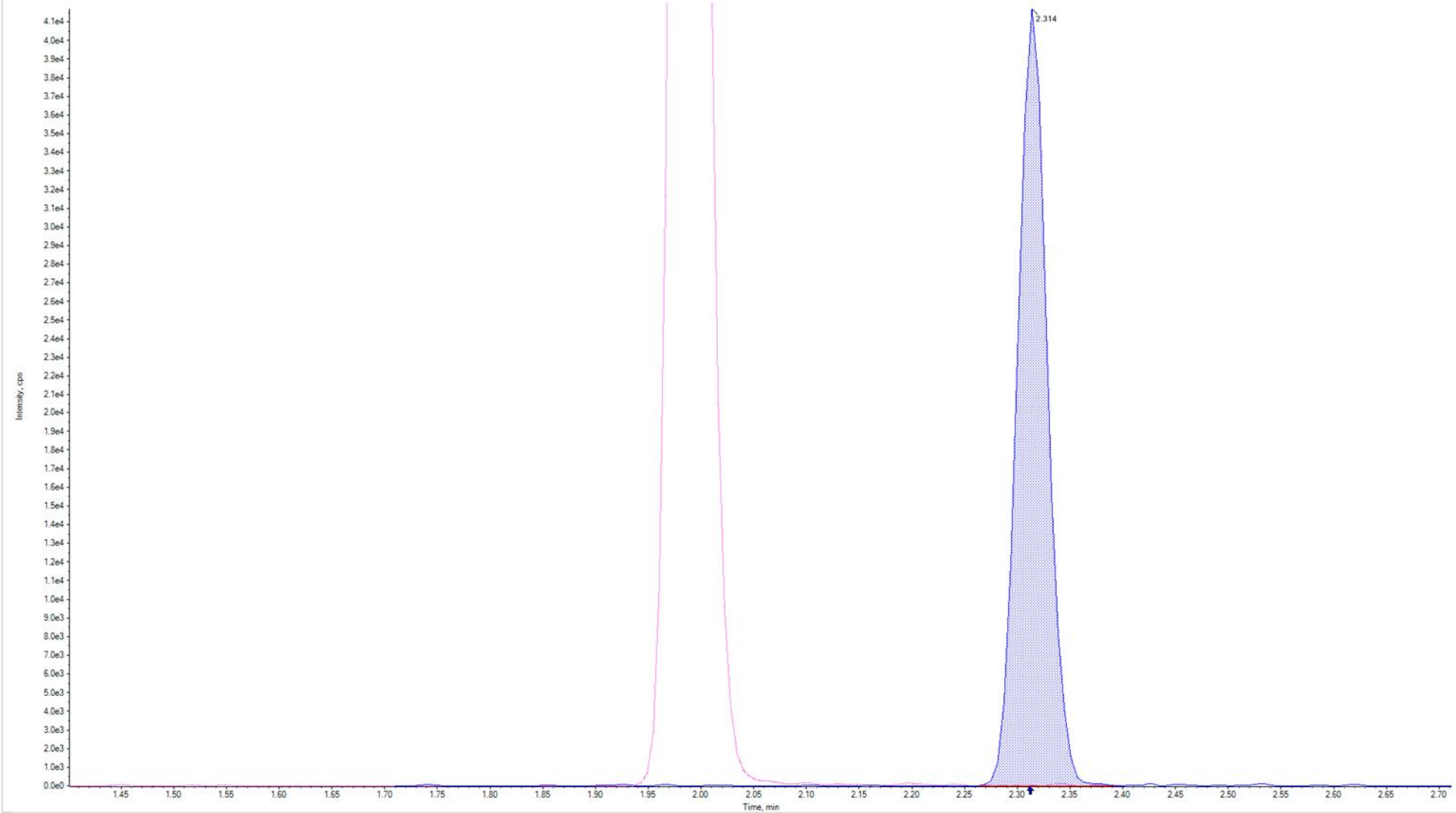


7:3FTCA_2
Sample: IA1633STD-.1 S/N:970.8 Points Across peak:35



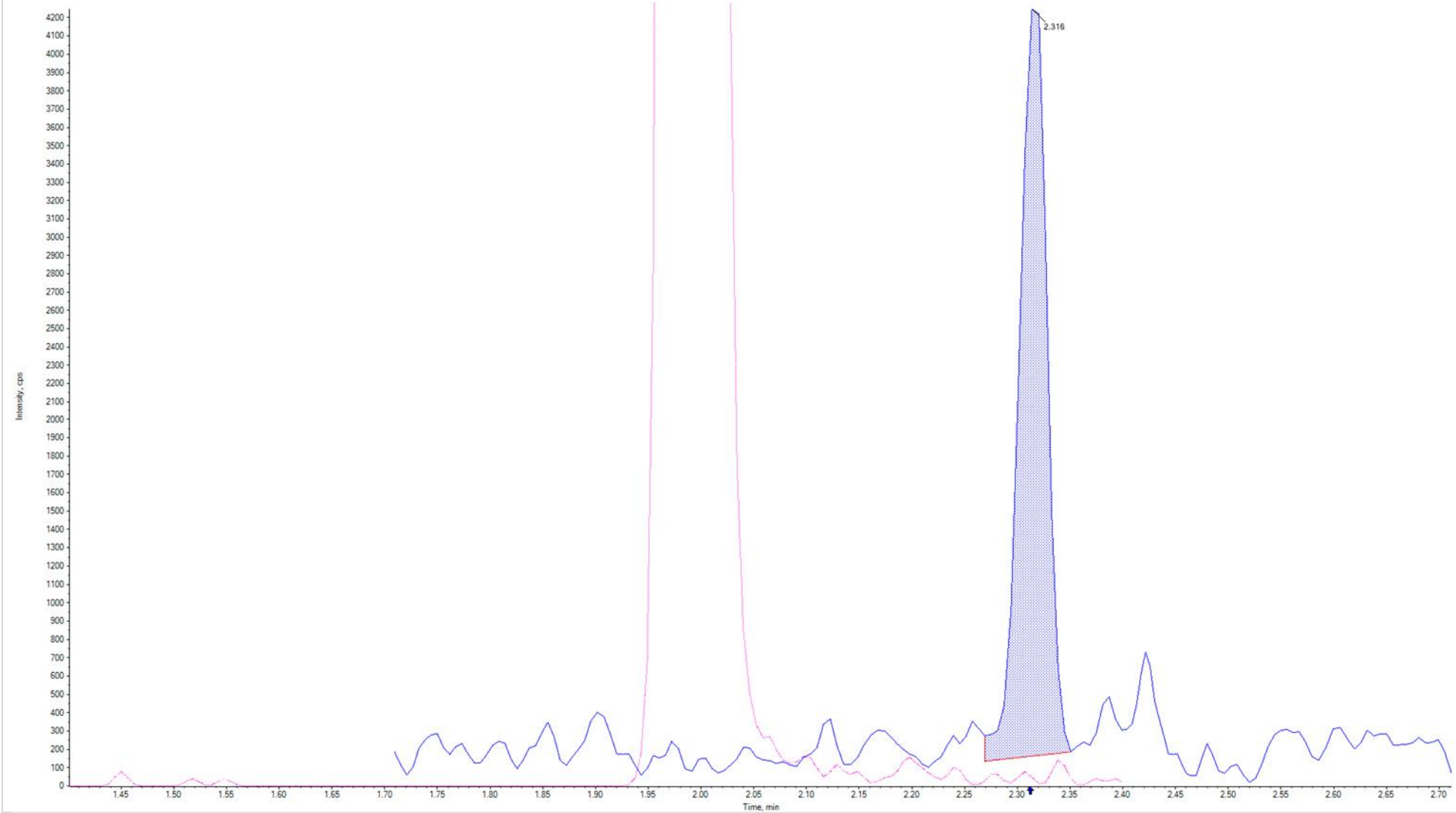
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

PFEESA
Sample: IA1633STD-.1 S/N:940.2 Points Across peak:25



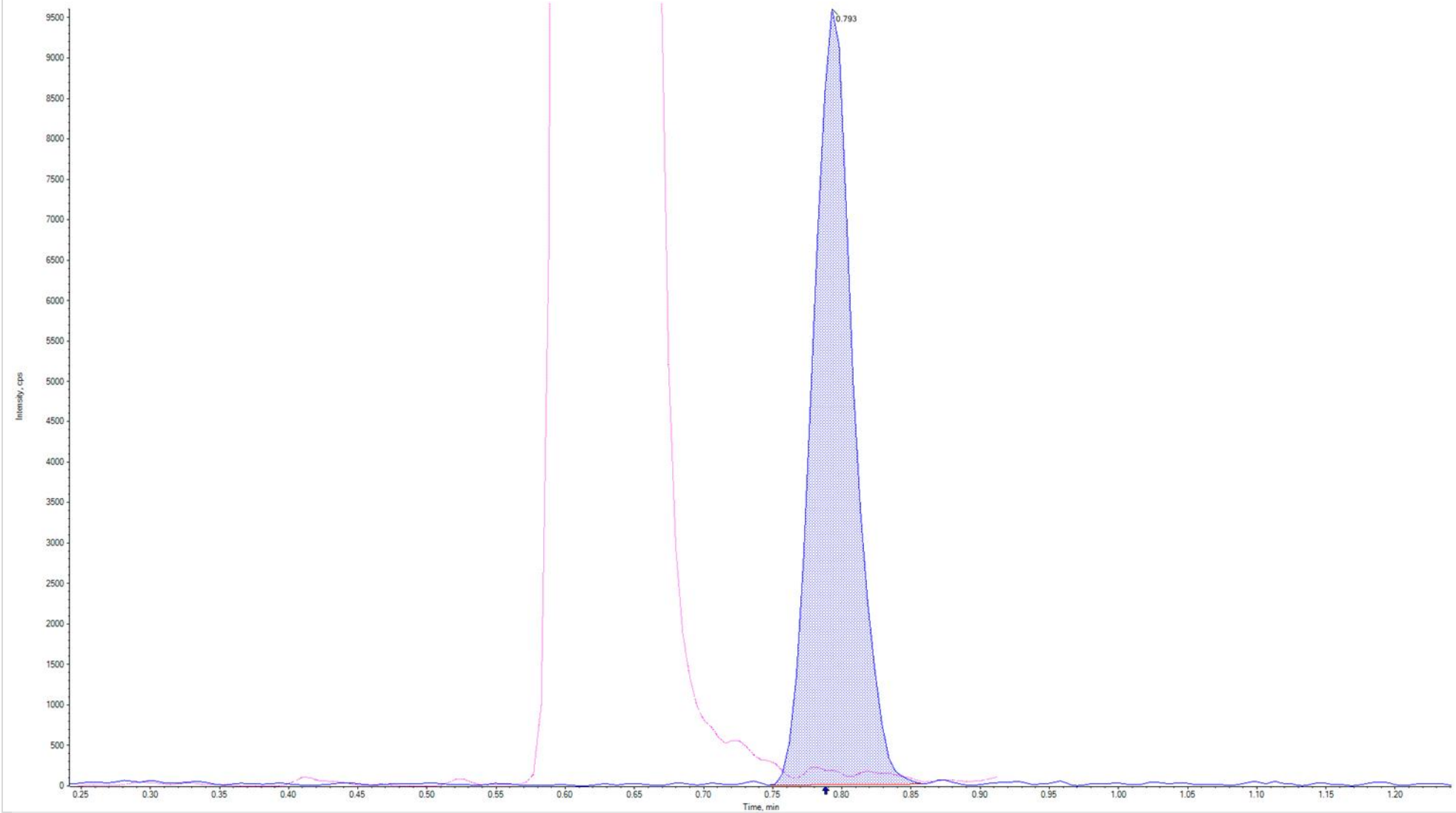
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFEESA_2
Sample: IA1633STD-.1 S/N:92.1 Points Across peak:14



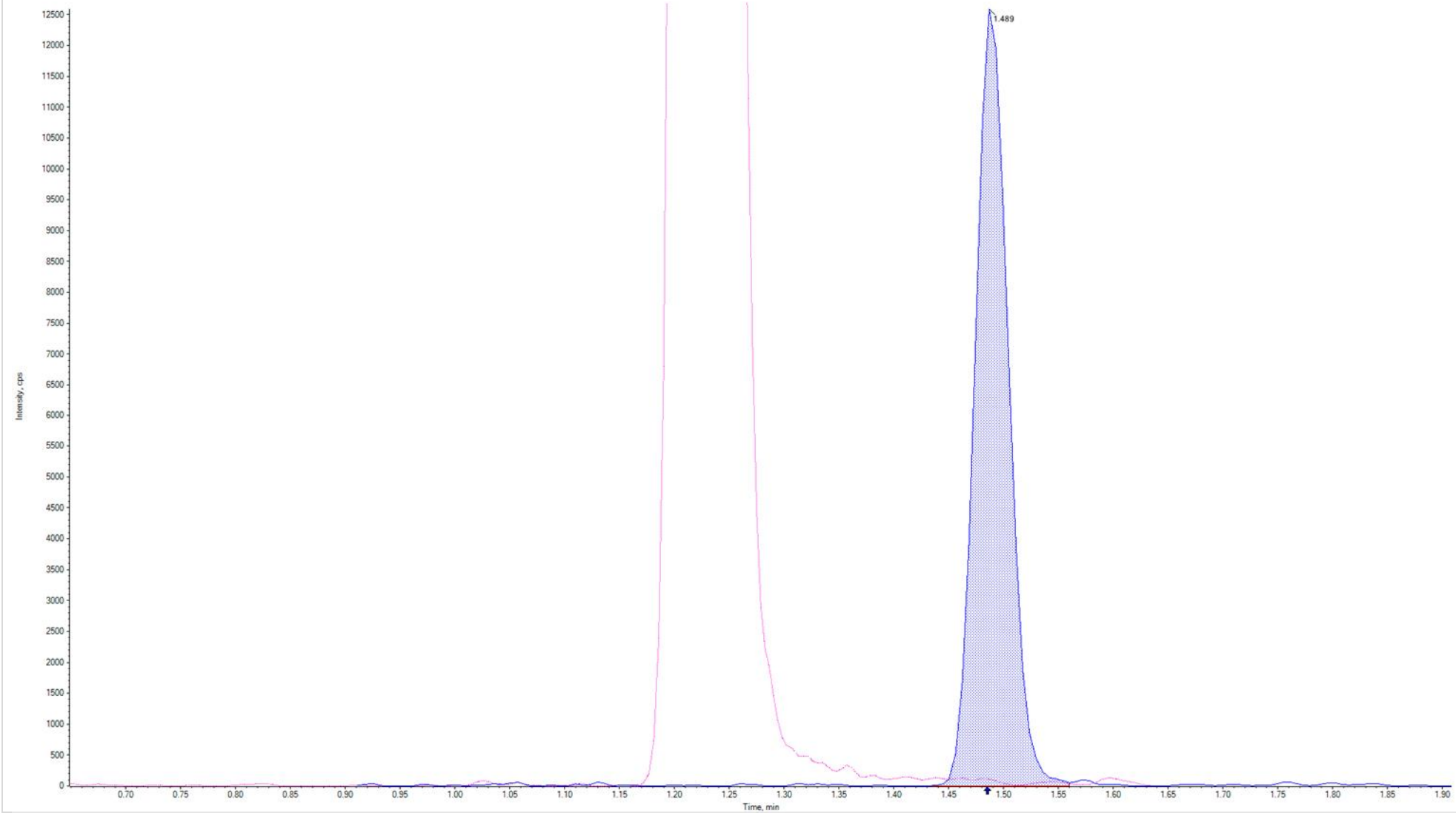
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFMPA
Sample: IA1633STD-.1 S/N:961.4 Points Across peak:23



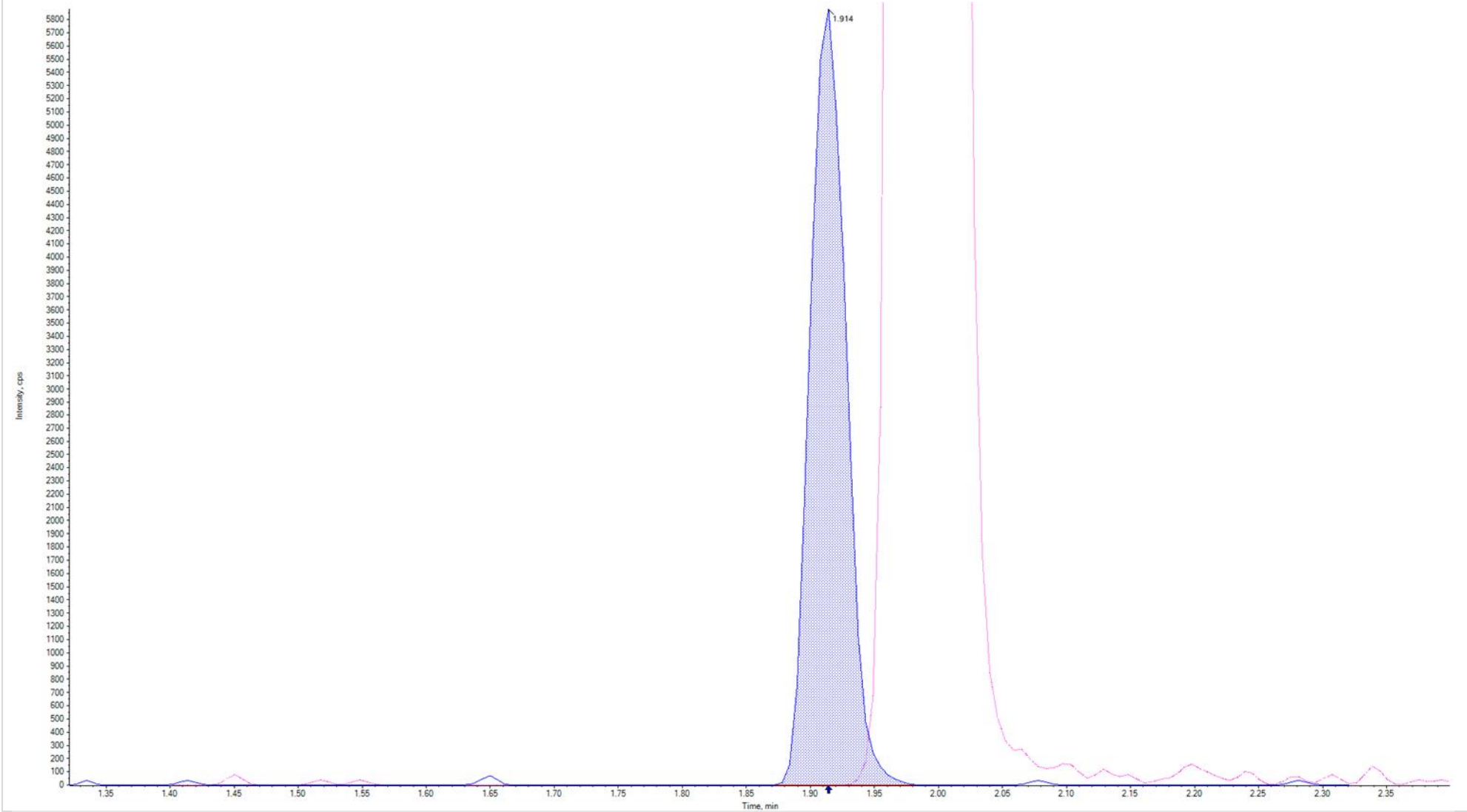
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_11.wiff2_1
Last Altered: 12/16/2024 8:11:58 PM
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PFMBA
Sample: IA1633STD-.1 S/N:725.8 Points Across peak:25



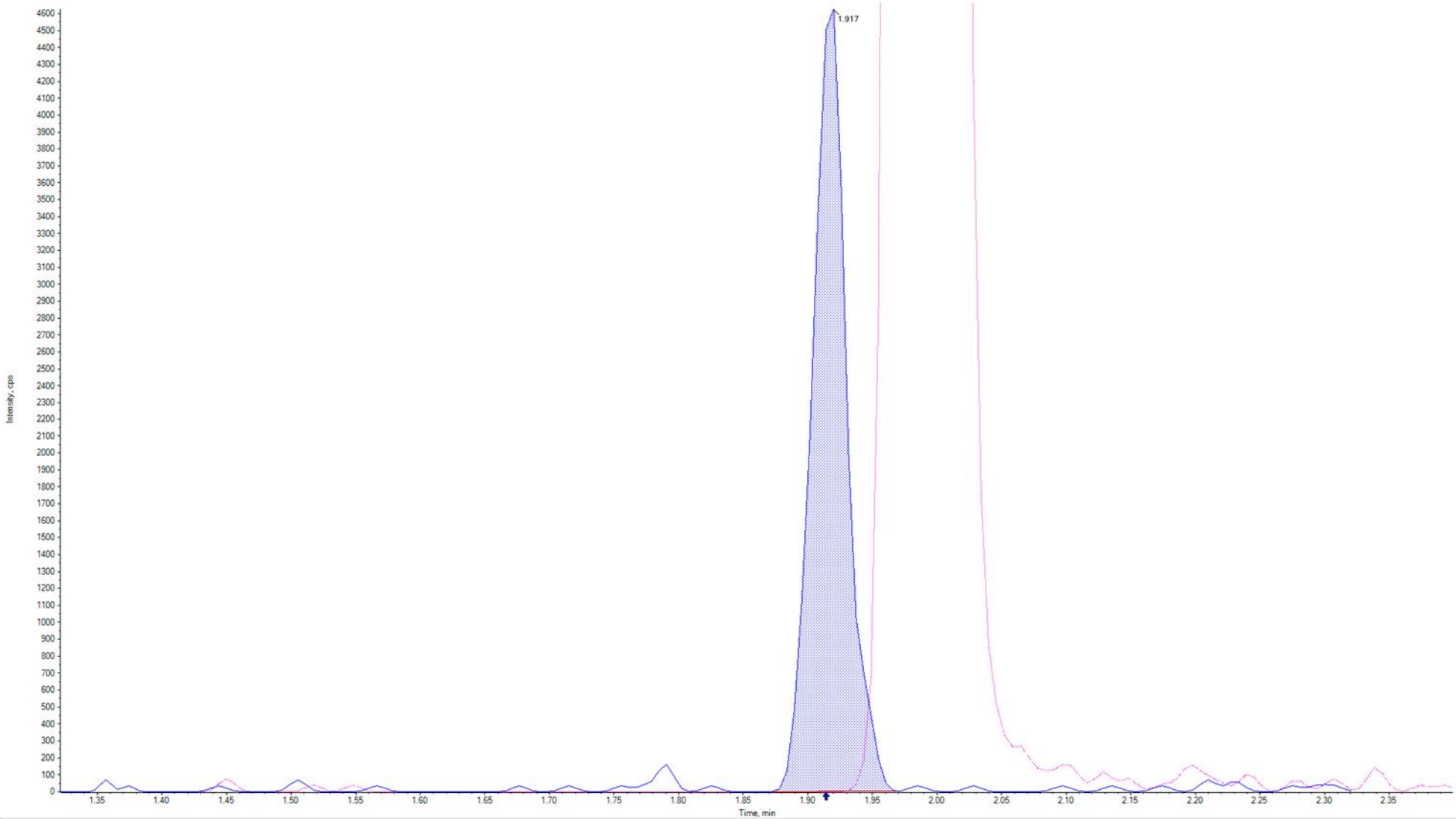
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NFDHA
Sample: IA1633STD-.1 S/N:162.1 Points Across peak:30



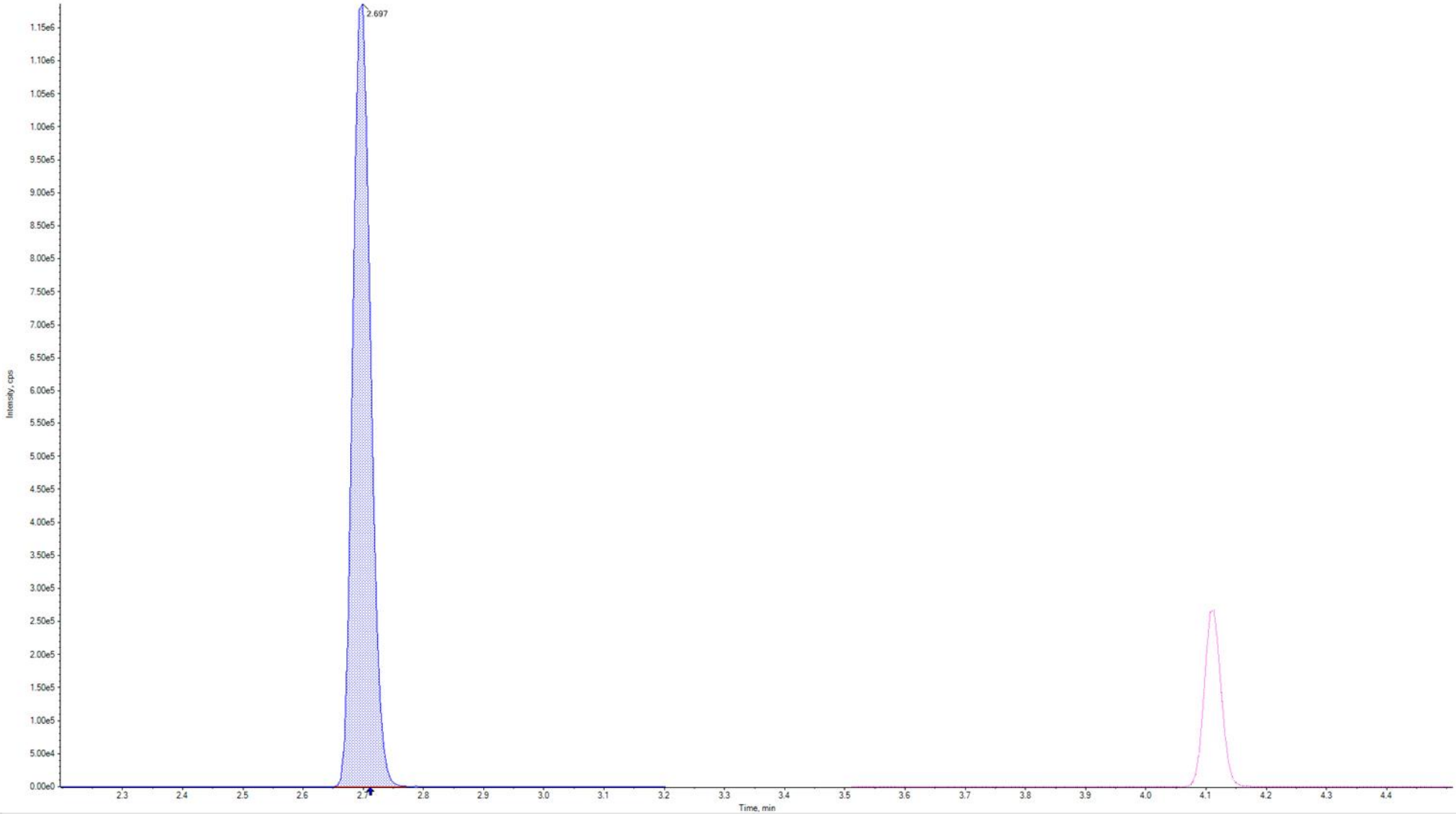
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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NFDHA_2
Sample: IA1633STD-.1 S/N:127.5 Points Across peak:19

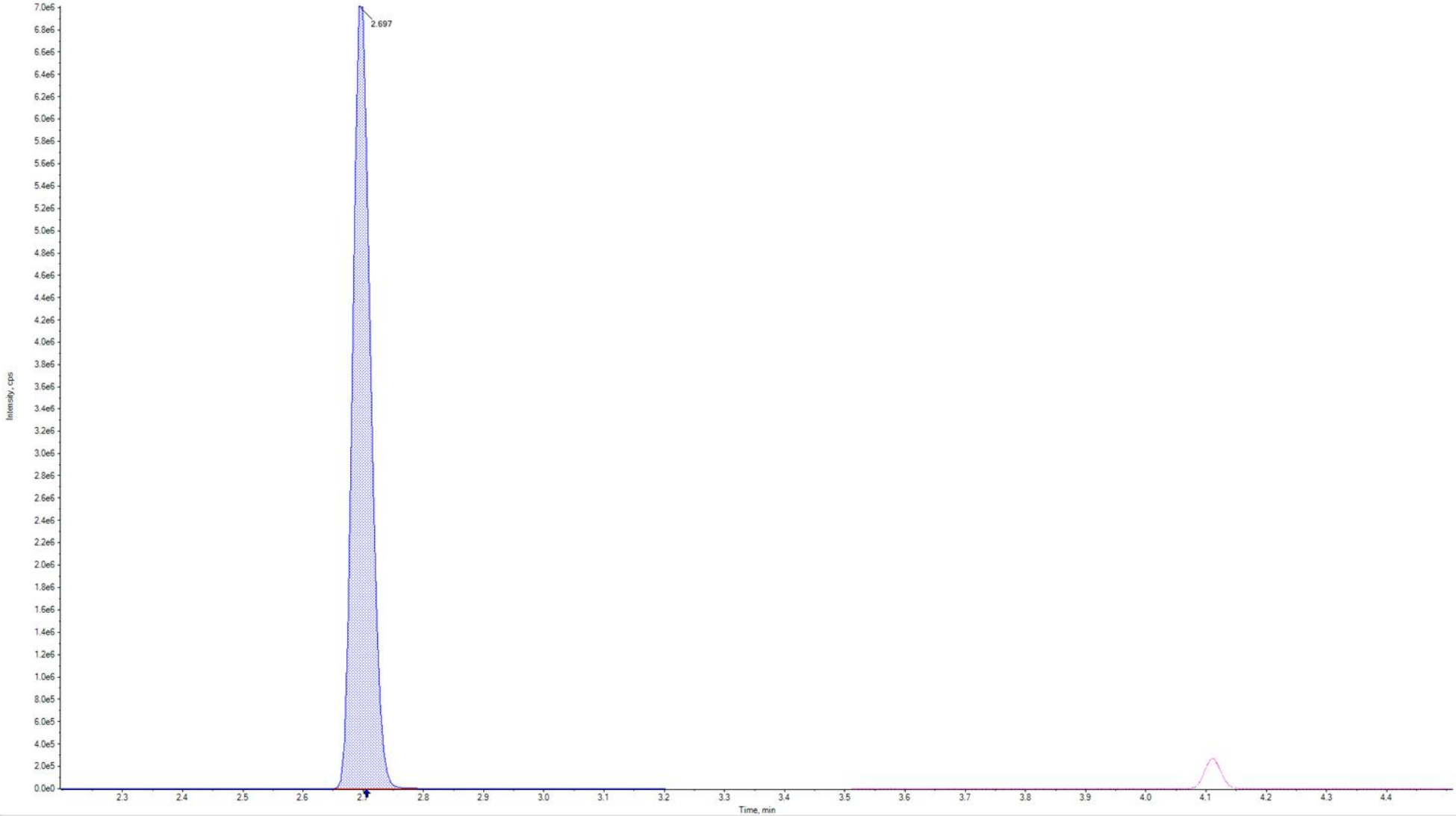


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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TDCA
Sample: IA1633STD-.1 S/N:10981.6 Points Across peak:31

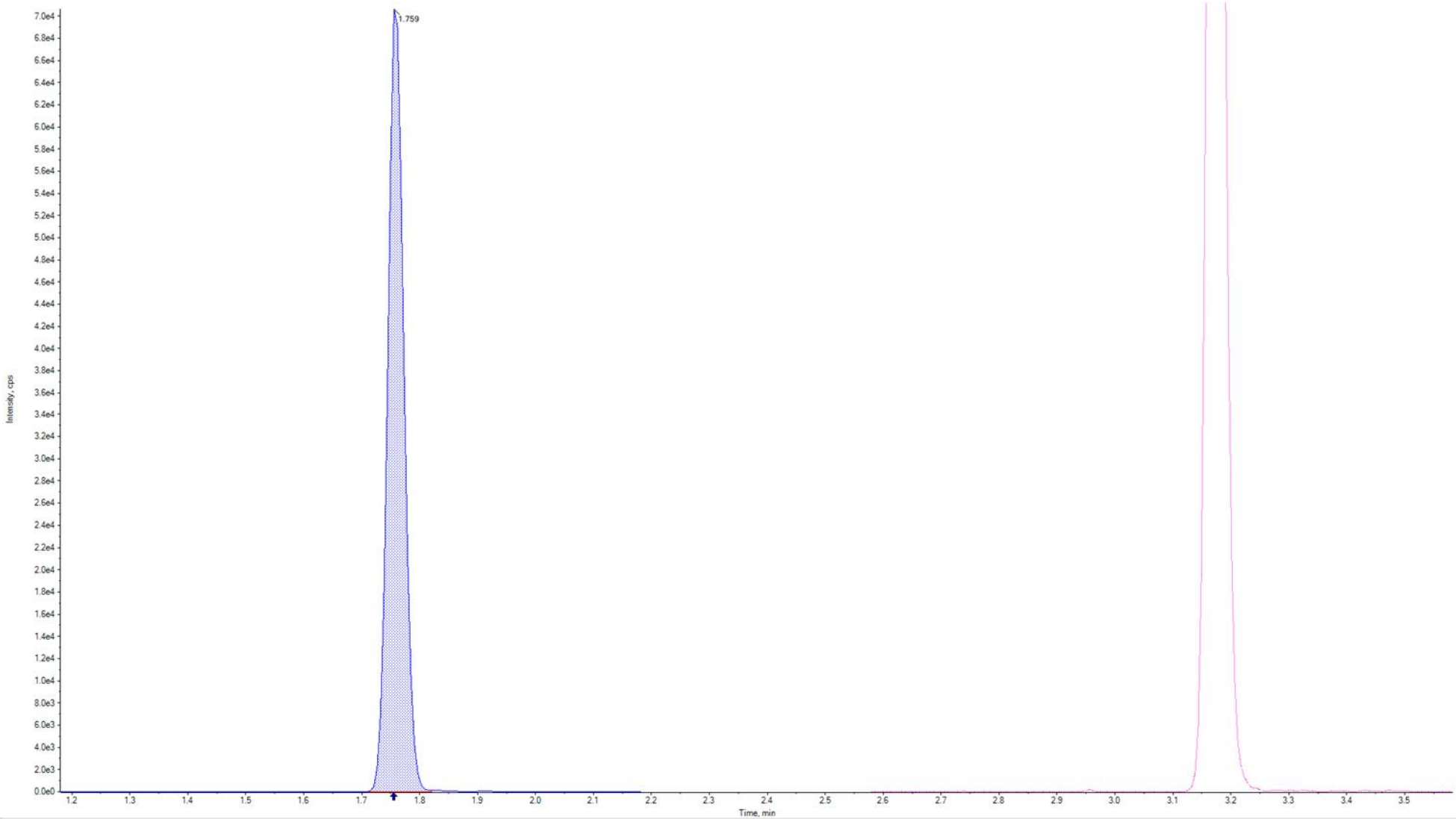


TDCA_2
Sample: IA1633STD-.1 S/N:7729.6 Points Across peak:35



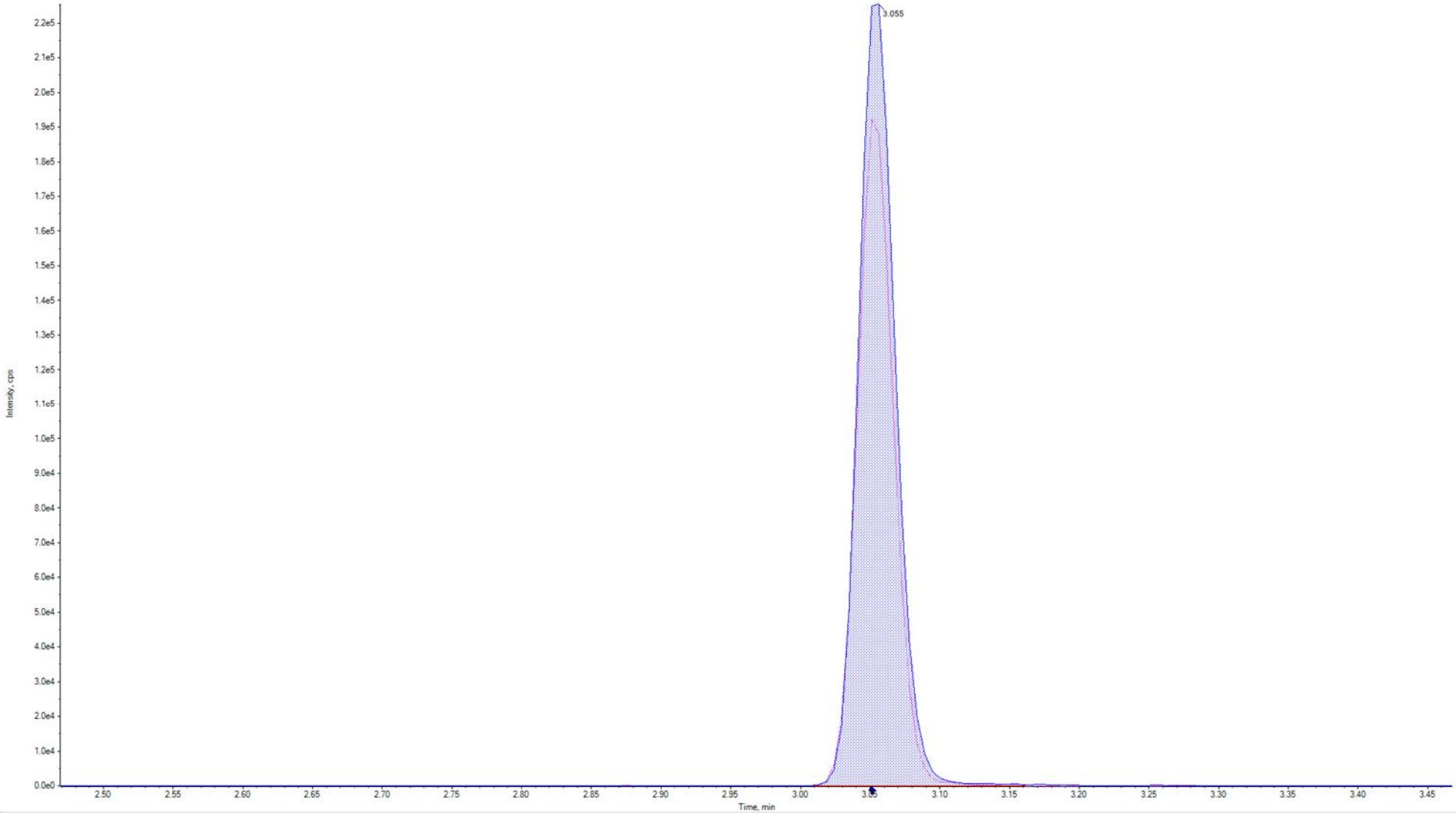
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

13C2D4-4:2FTS
Sample: IA1633STD-.1 S/N:2655.3 Points Across peak:22

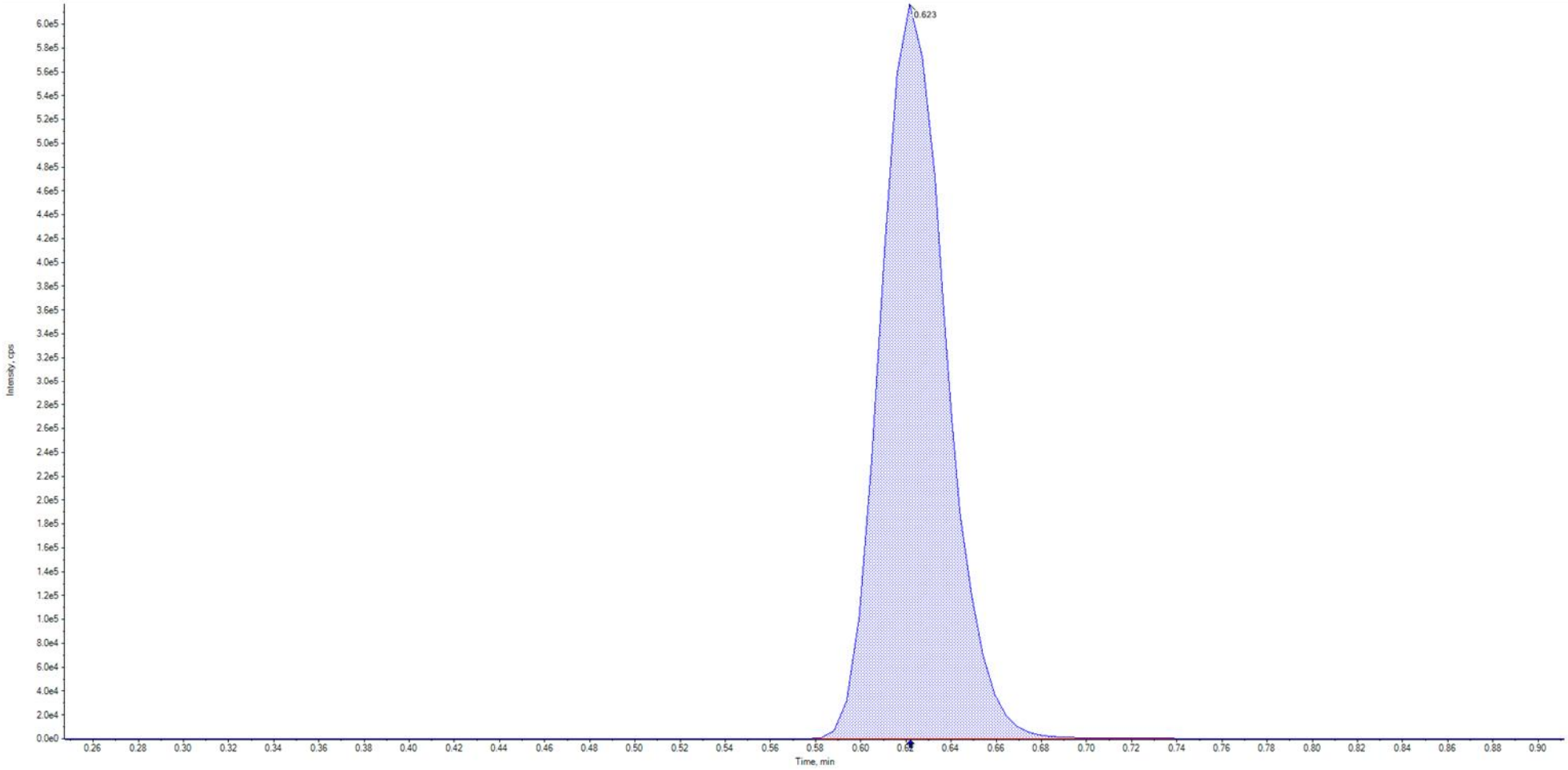


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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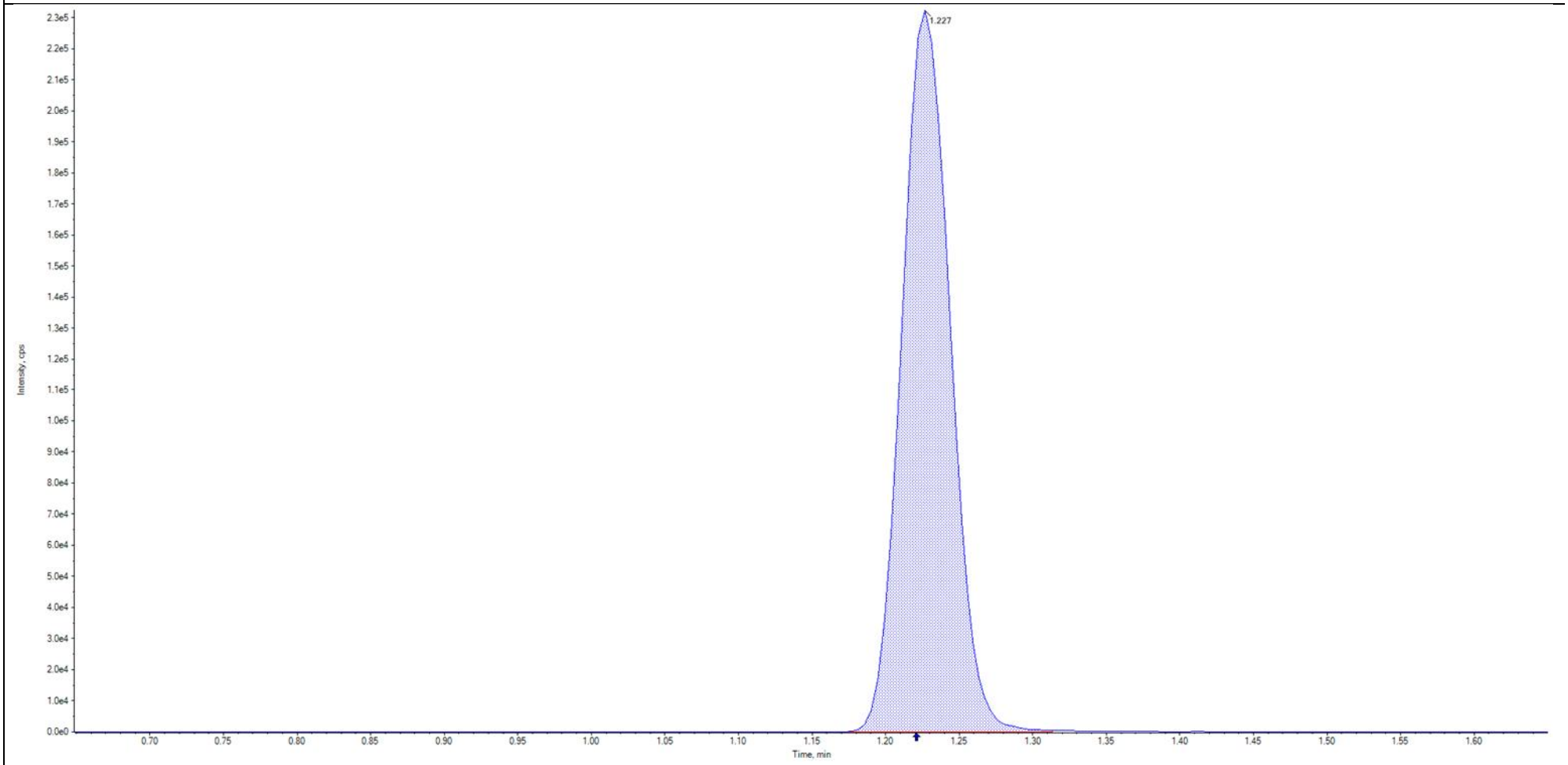
13C2-PFOA
Sample: IA1633STD-.1 S/N:5087.6 Points Across peak:33



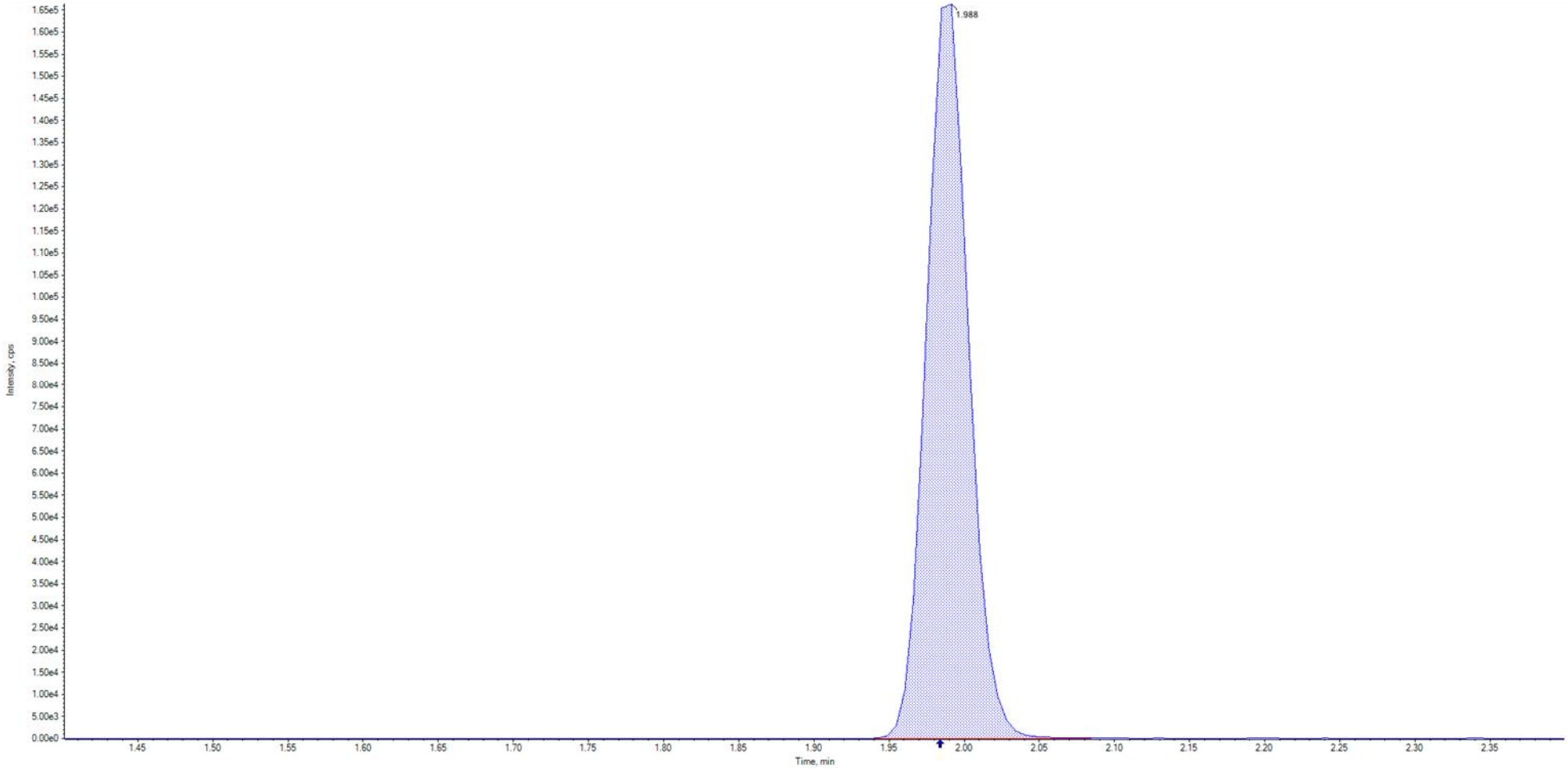
13C4-PFBA
Sample: IA1633STD-.1



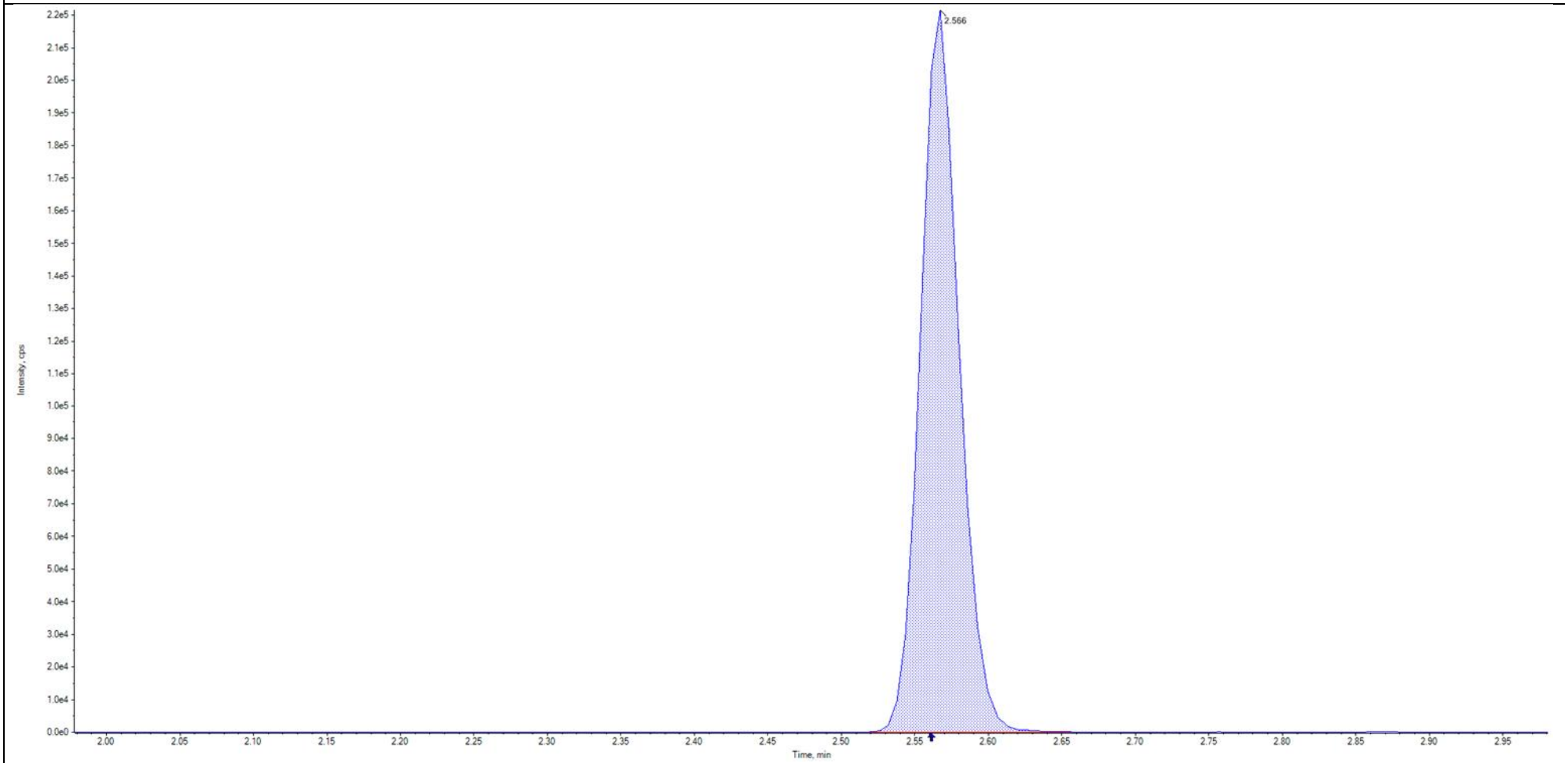
13C5-PFPeA
Sample: IA1633STD-.1



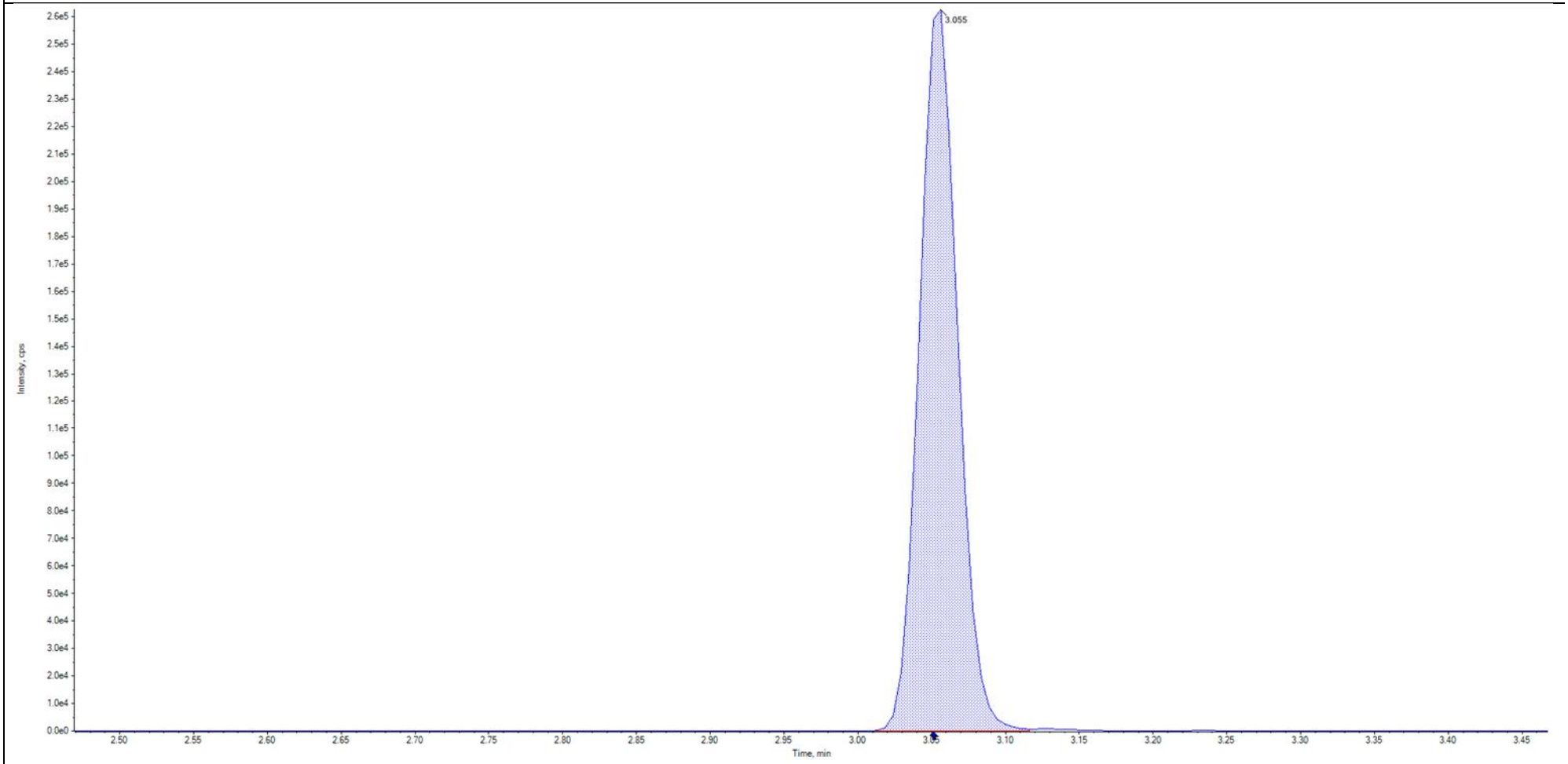
13C5-PFHxA
Sample: IA1633STD-.1



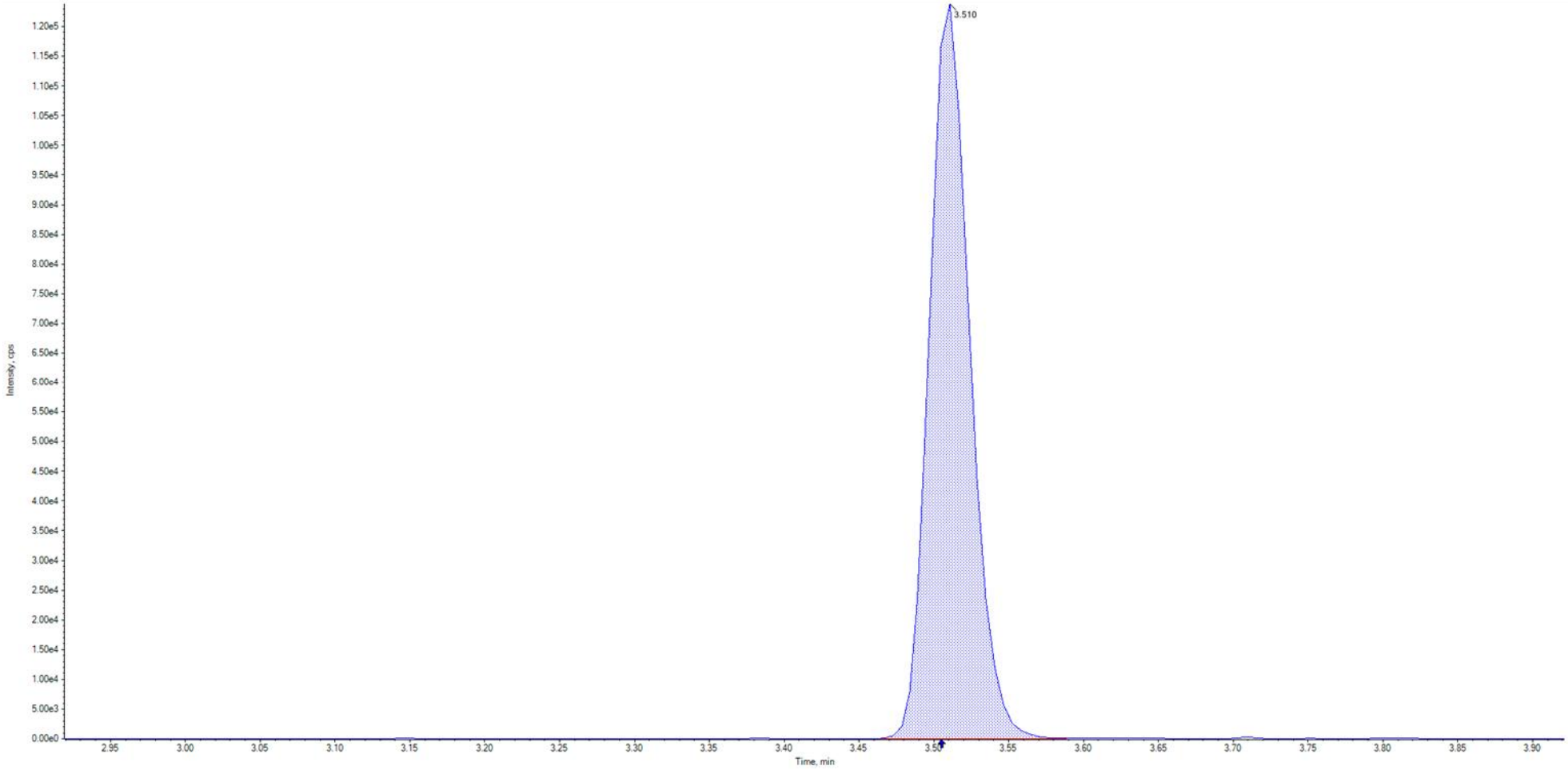
13C4-PFHpA
Sample: IA1633STD-.1



13C8-PFOA
Sample: IA1633STD-.1

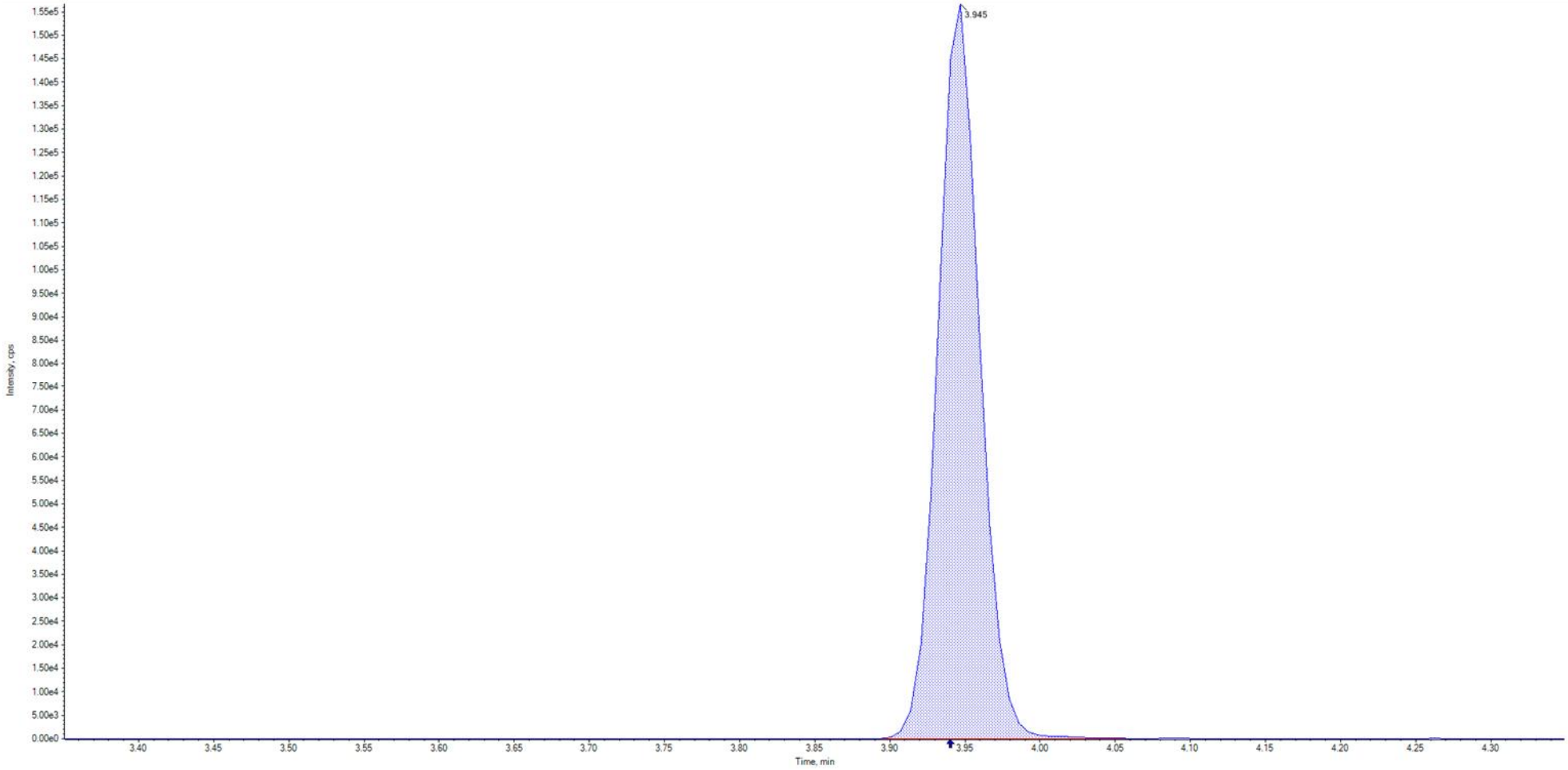


13C9-PFNA
Sample: IA1633STD-.1

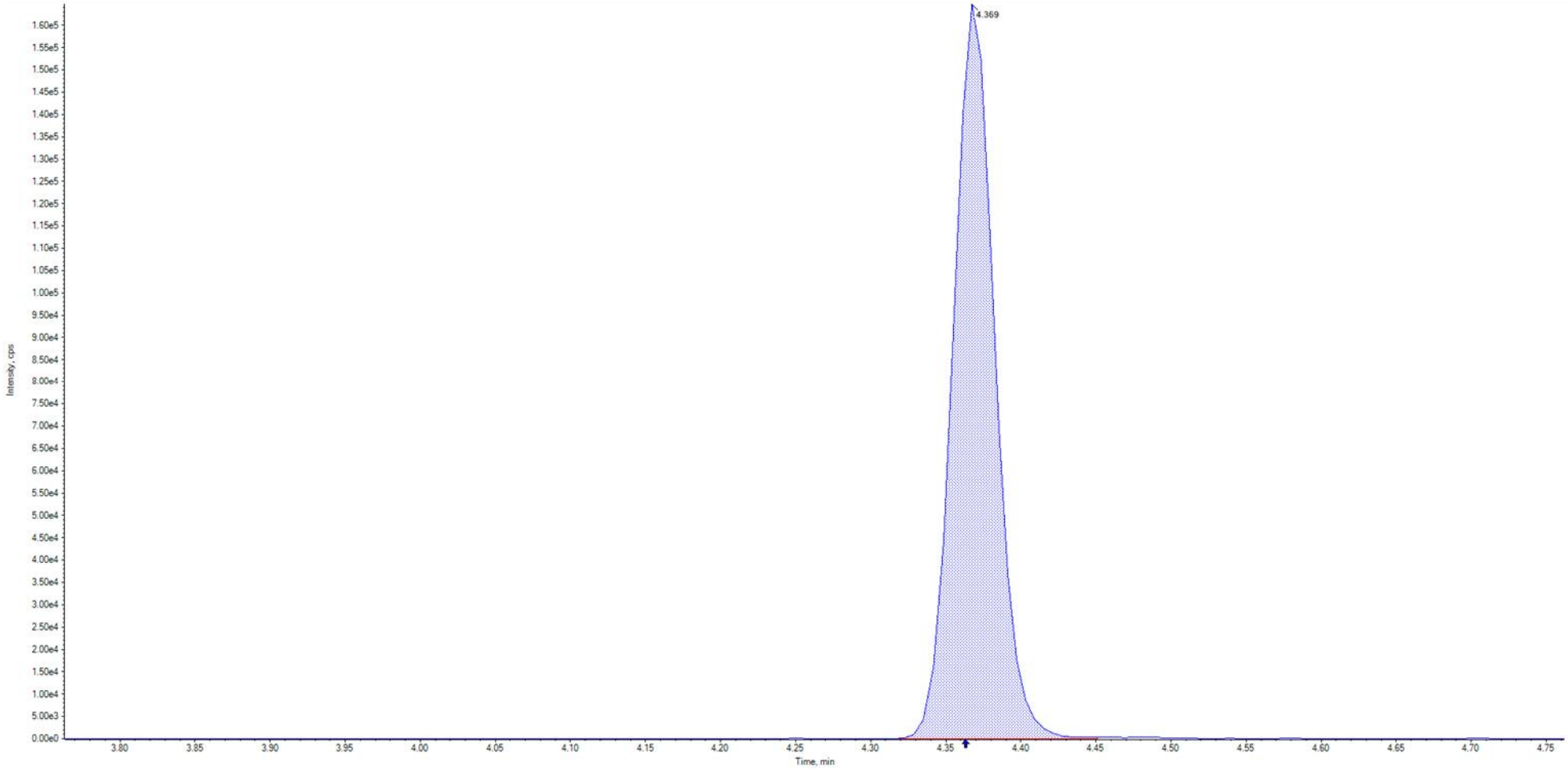


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_11.wiff2_1
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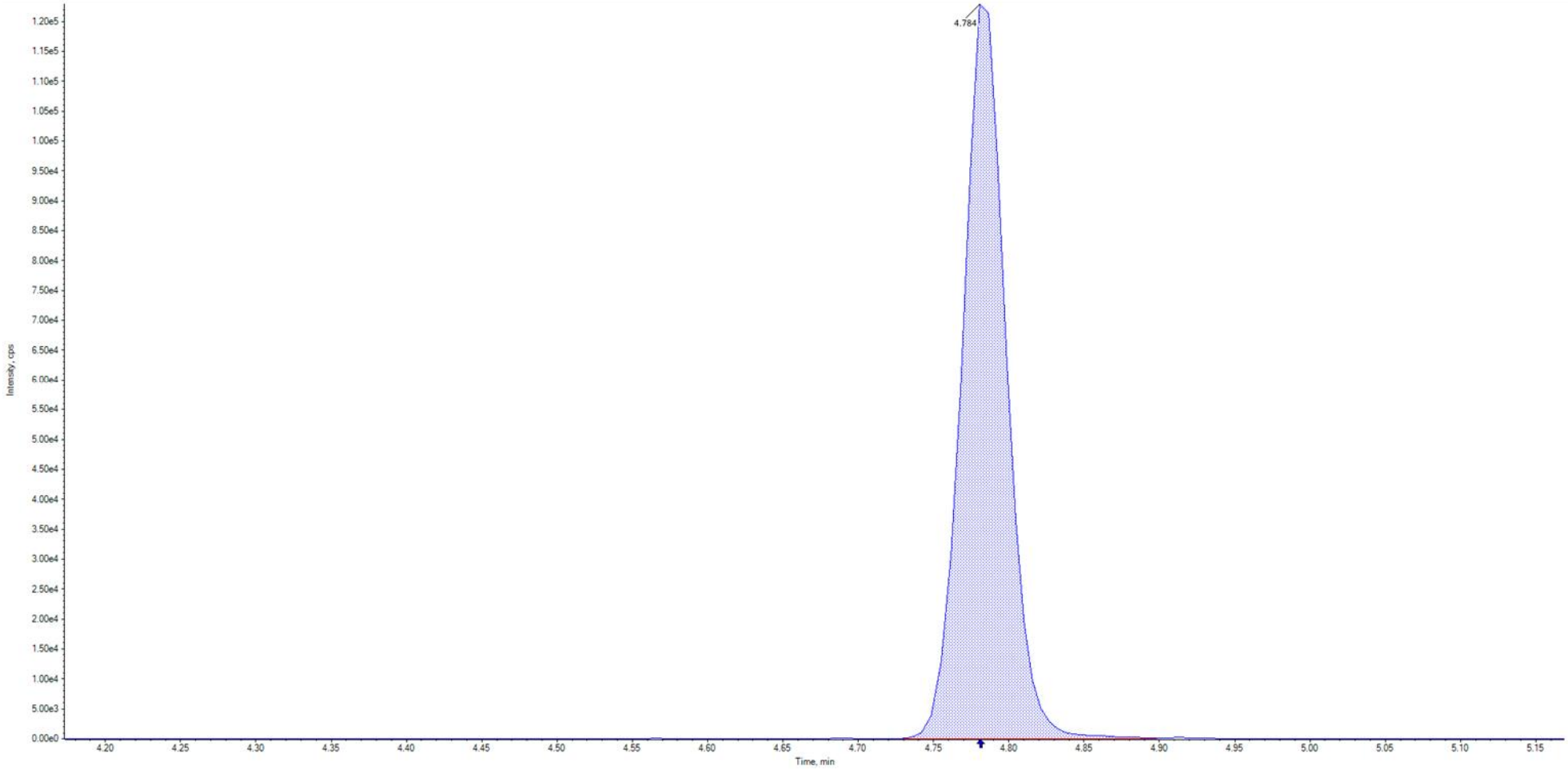
13C6-PFDA
Sample: IA1633STD-.1



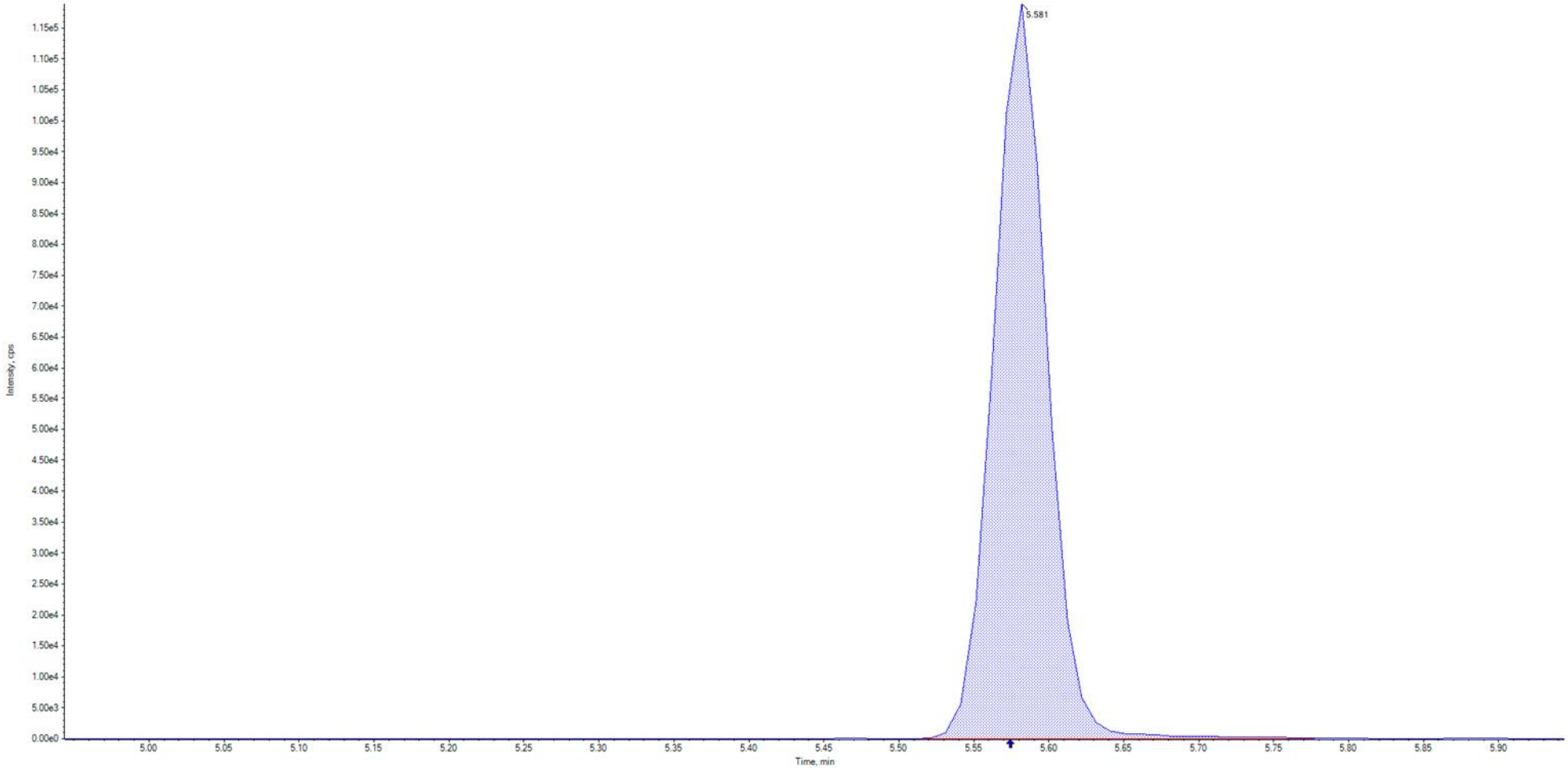
13C7-PFUnA
Sample: IA1633STD-.1



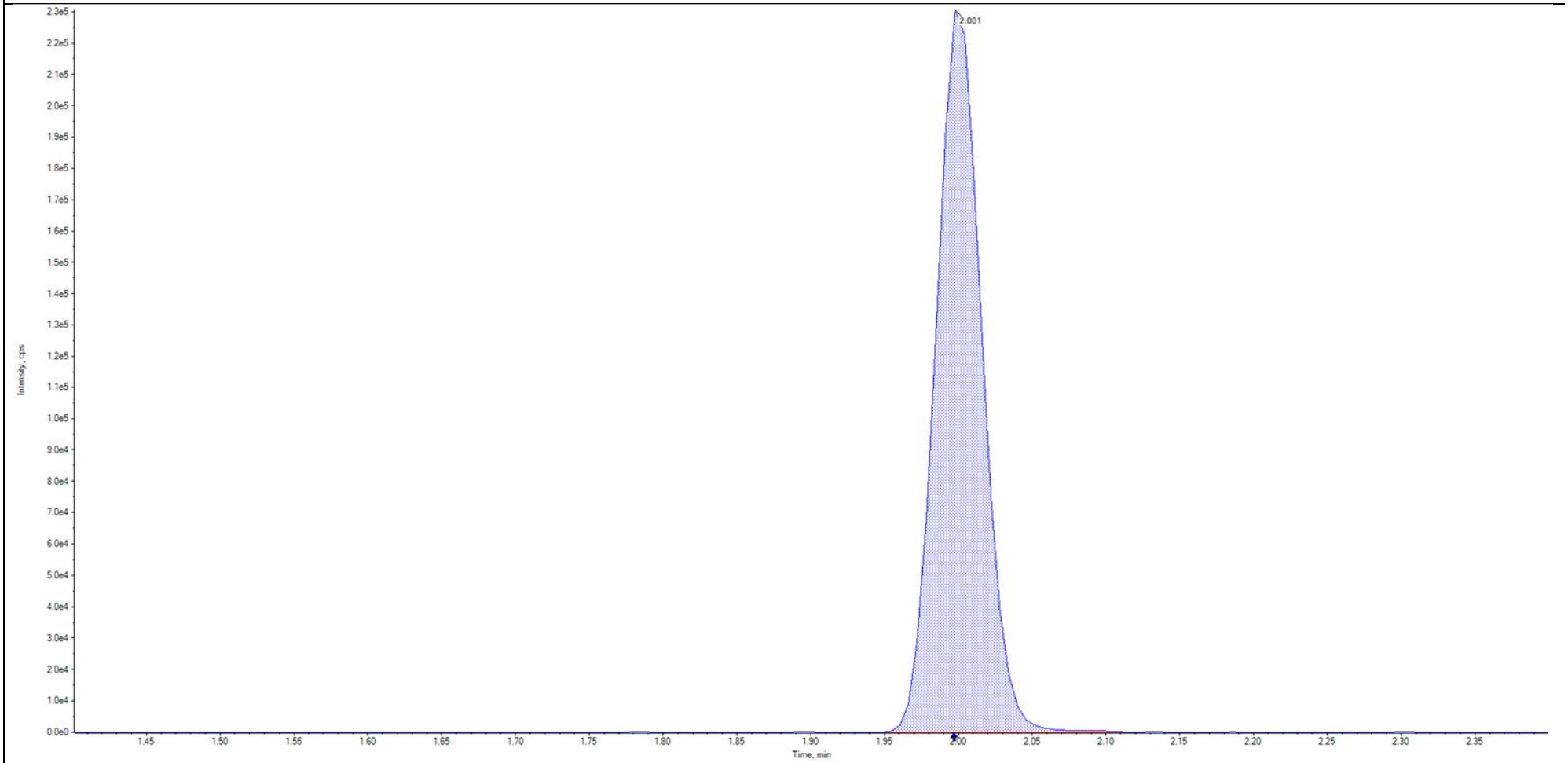
13C2-PFDoA
Sample: IA1633STD-.1



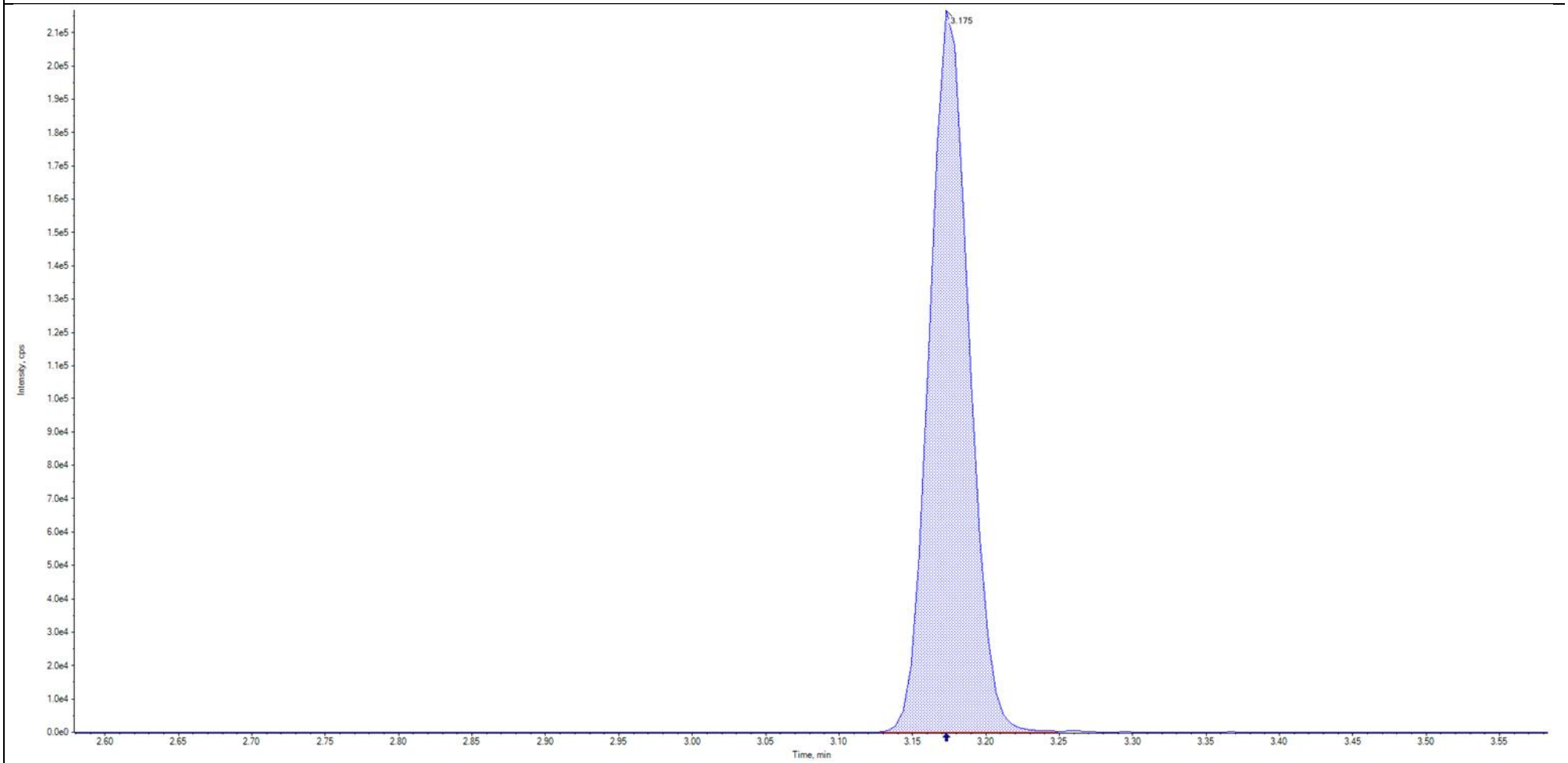
13C2-PFTeDA
Sample: IA1633STD-.1



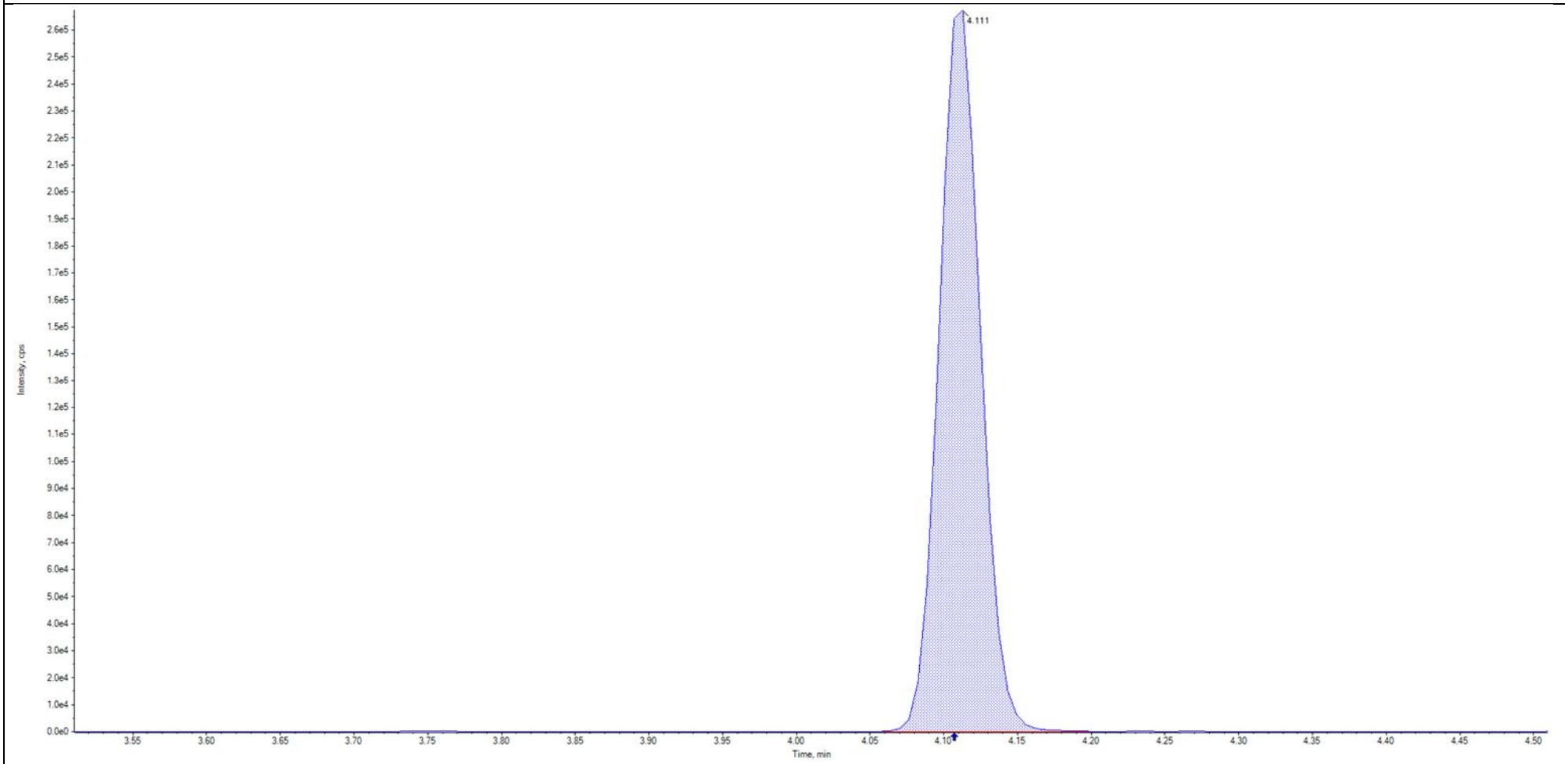
13C3-PFBS
Sample: IA1633STD-.1



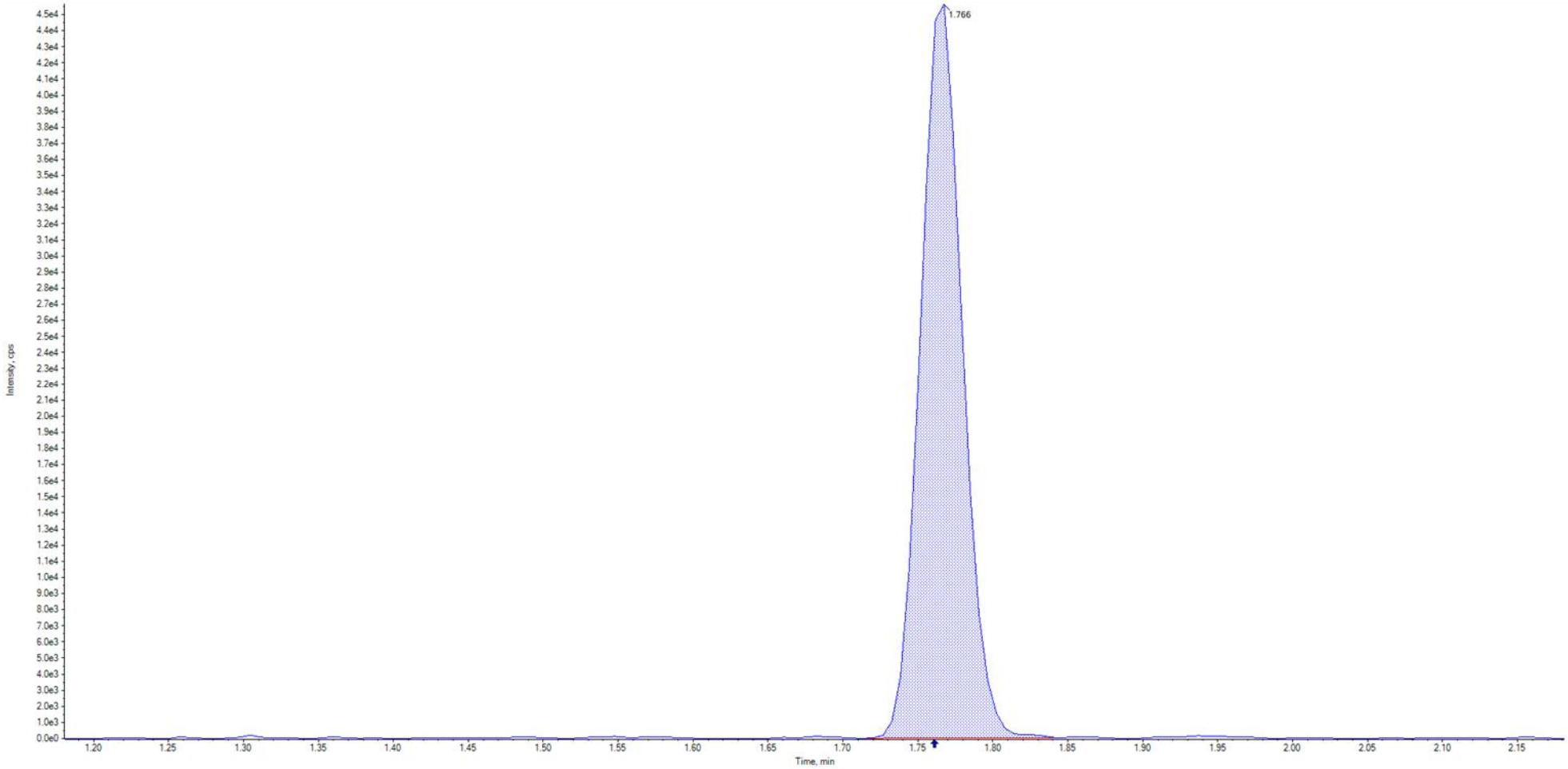
13C3-PFHxS
Sample: IA1633STD-.1



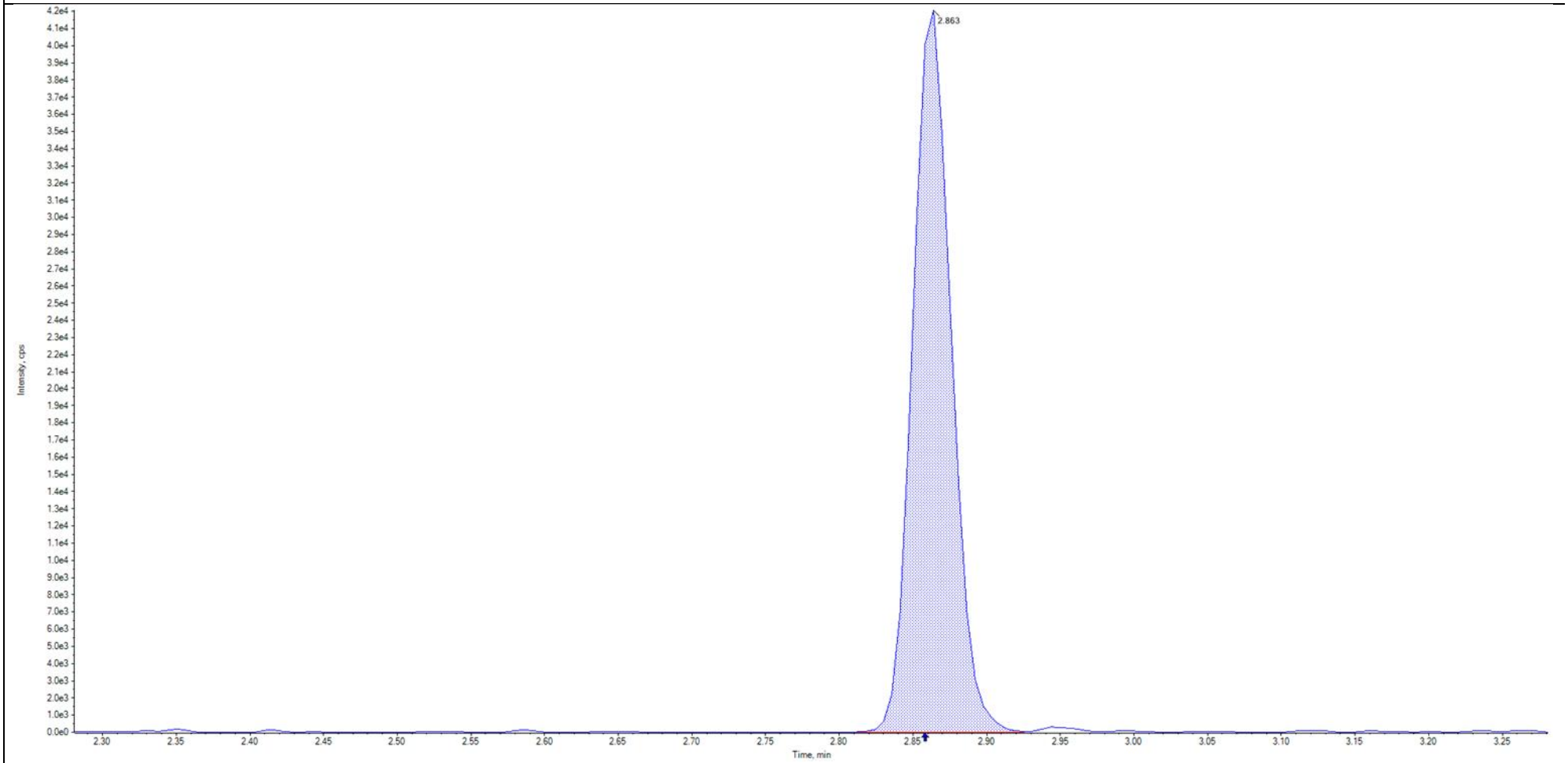
13C8-PFOS
Sample: IA1633STD-.1



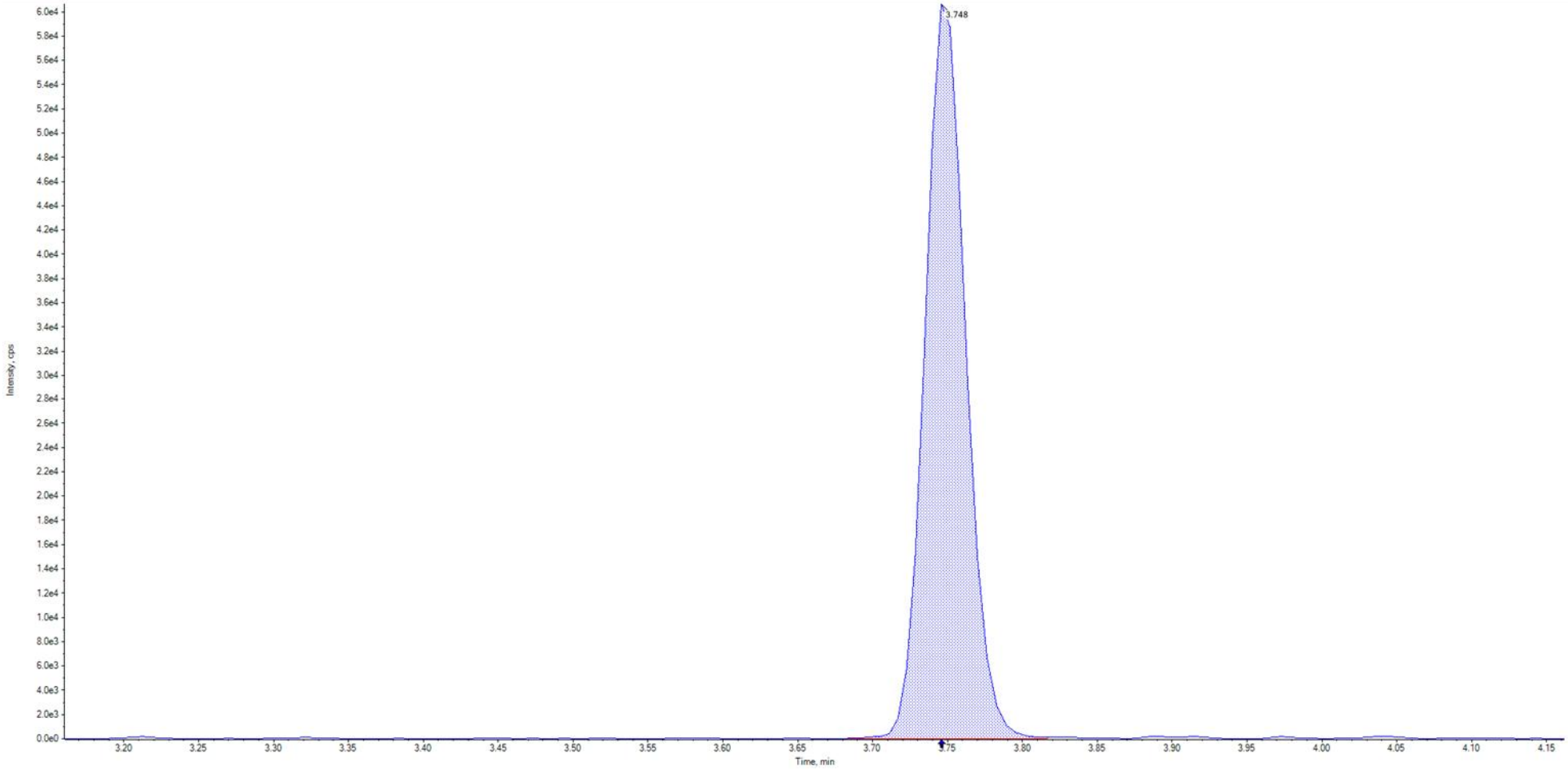
13C2-4:2FTS
Sample: IA1633STD-.1



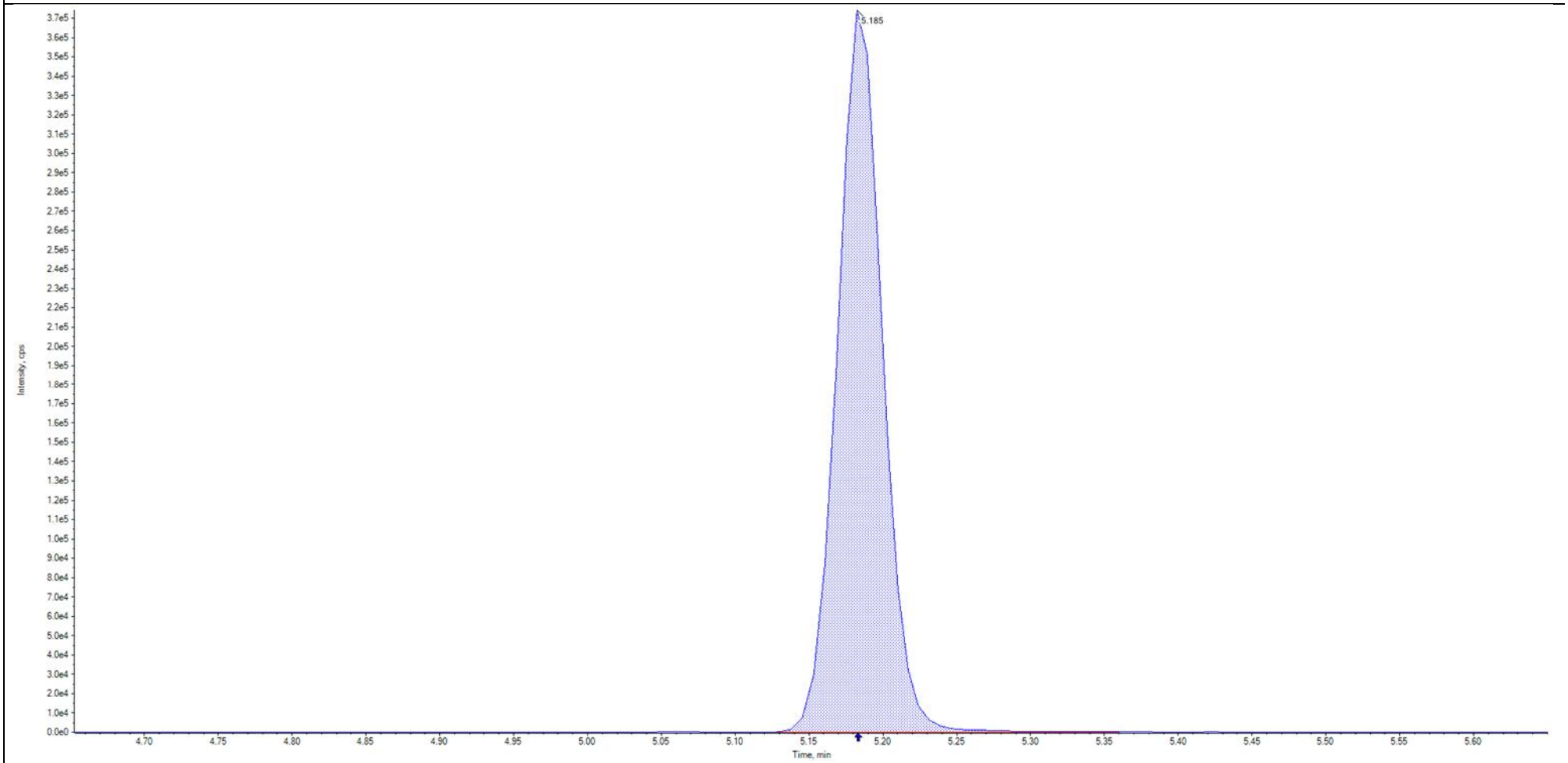
13C2-6:2FTS
Sample: IA1633STD-.1



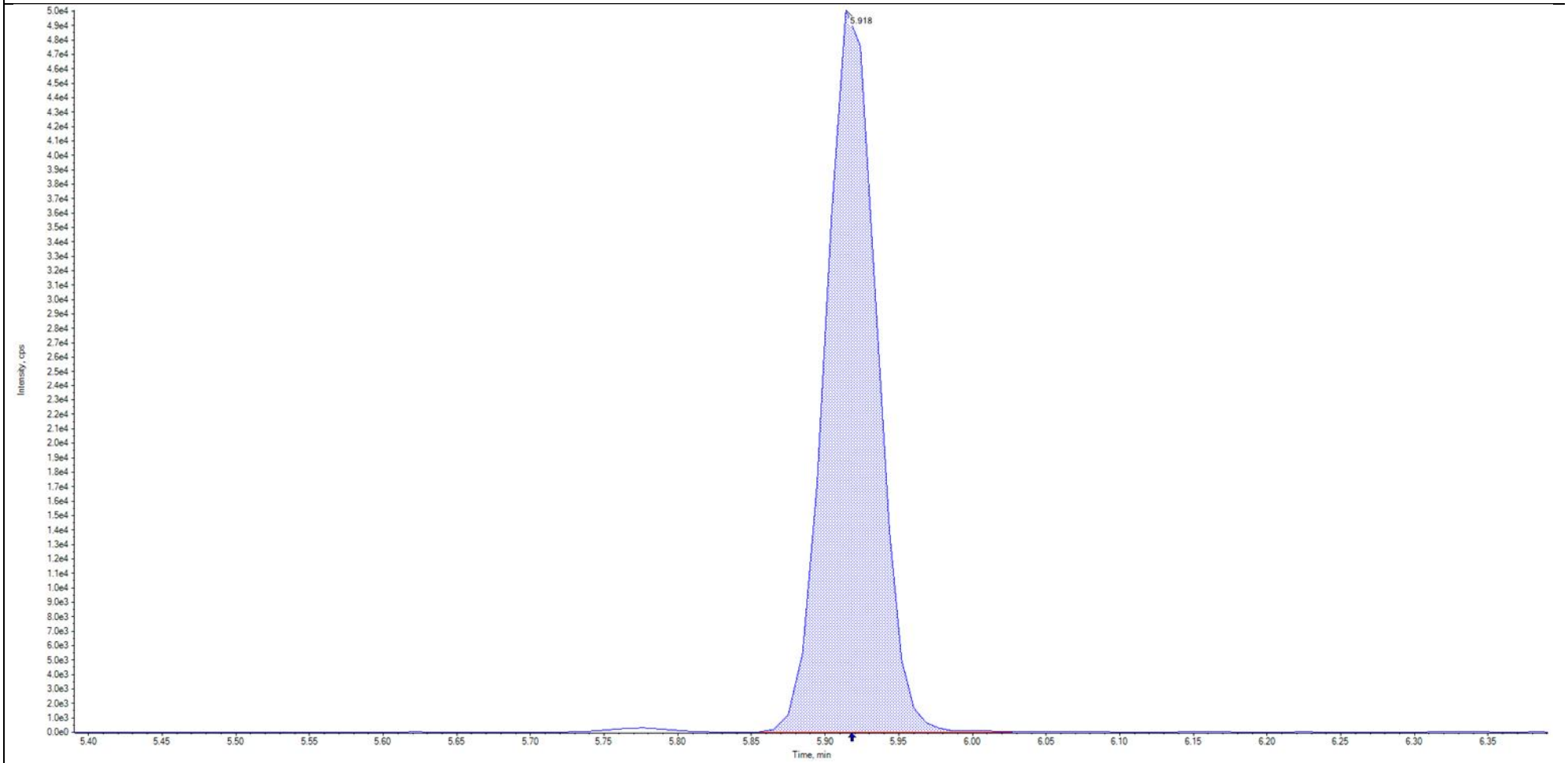
13C2-8:2FTS
Sample: IA1633STD-.1



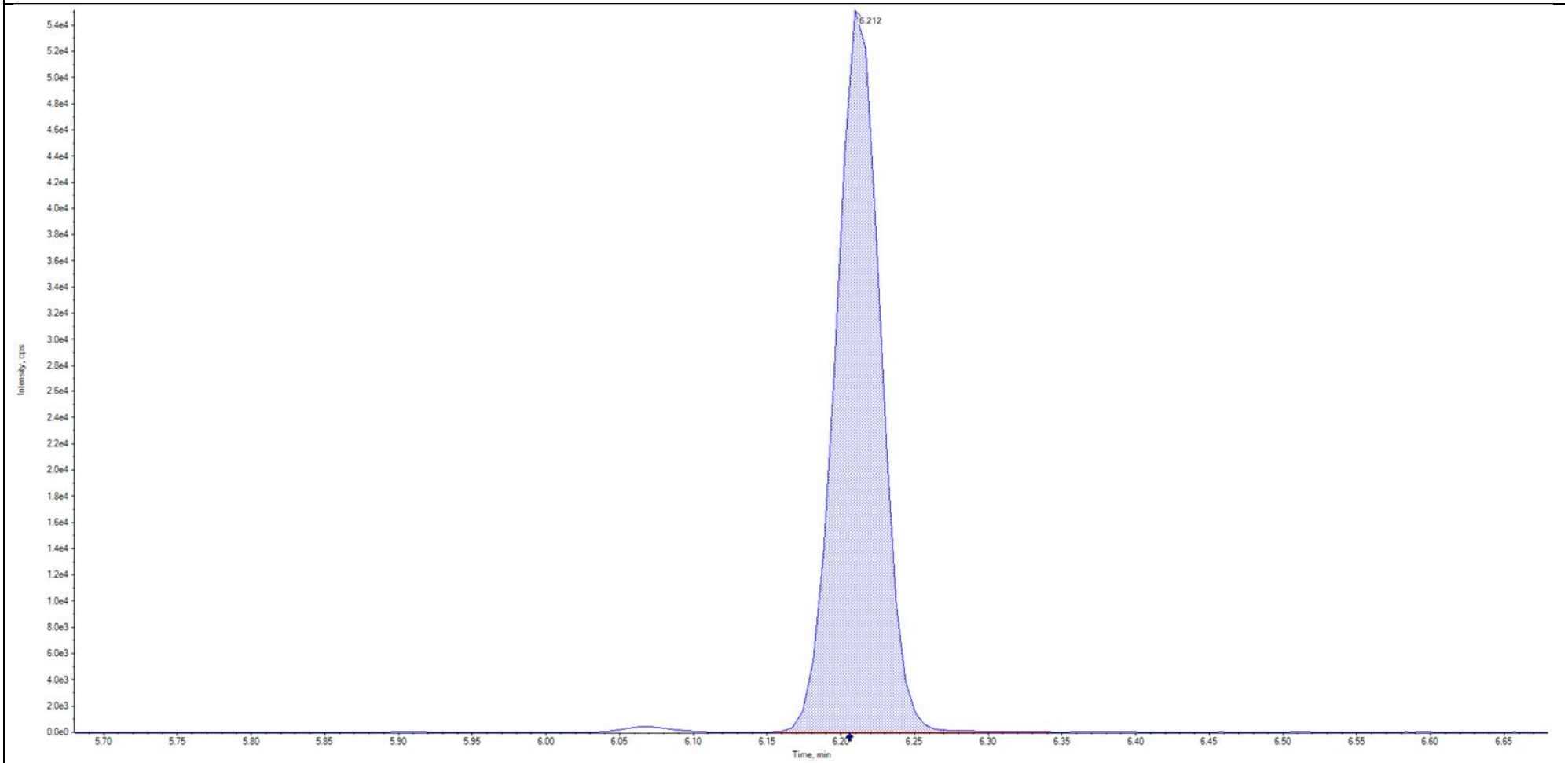
13C8-PFOSA
Sample: IA1633STD-.1



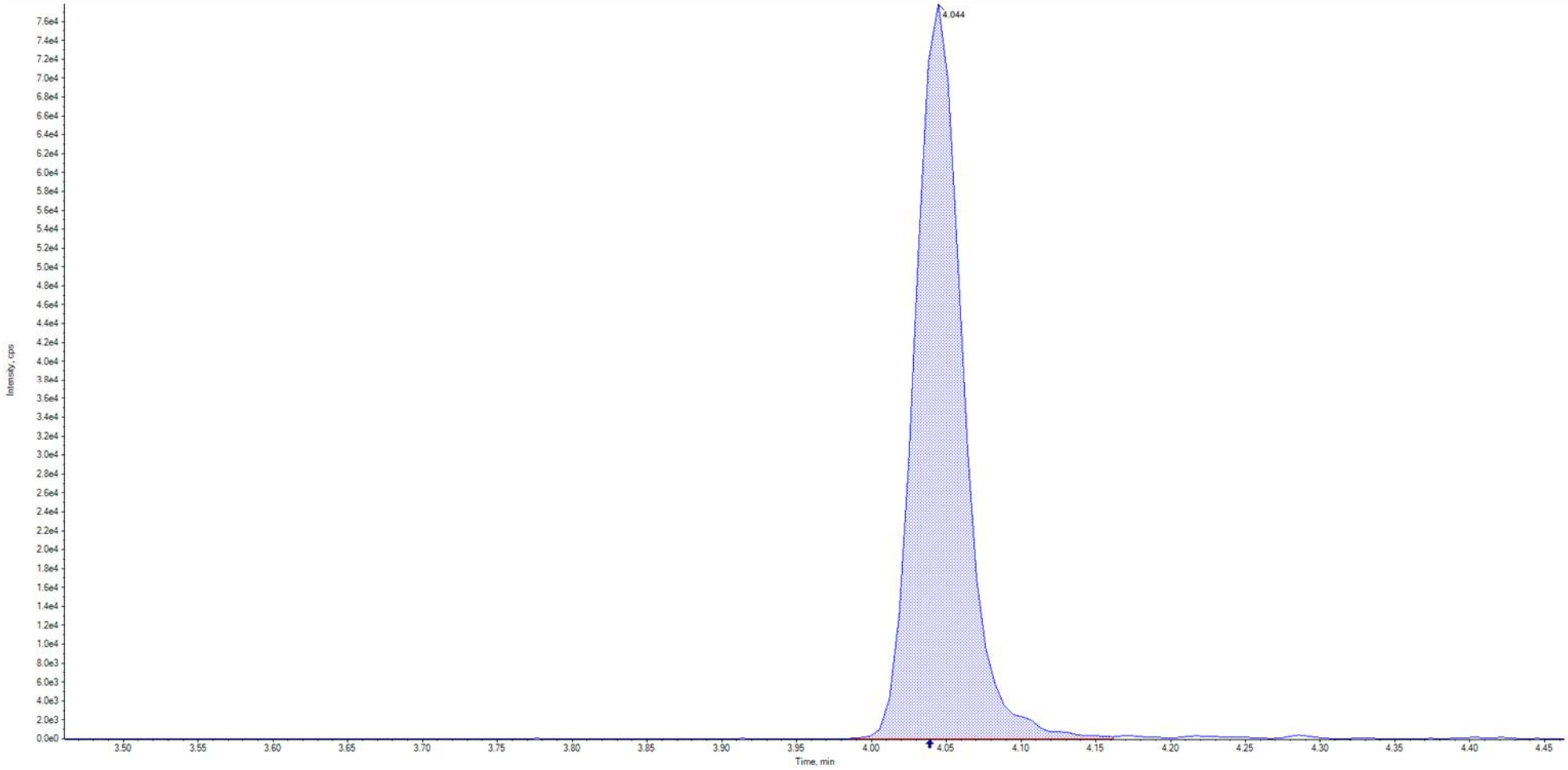
d3-NMeFOSA
Sample: IA1633STD-.1



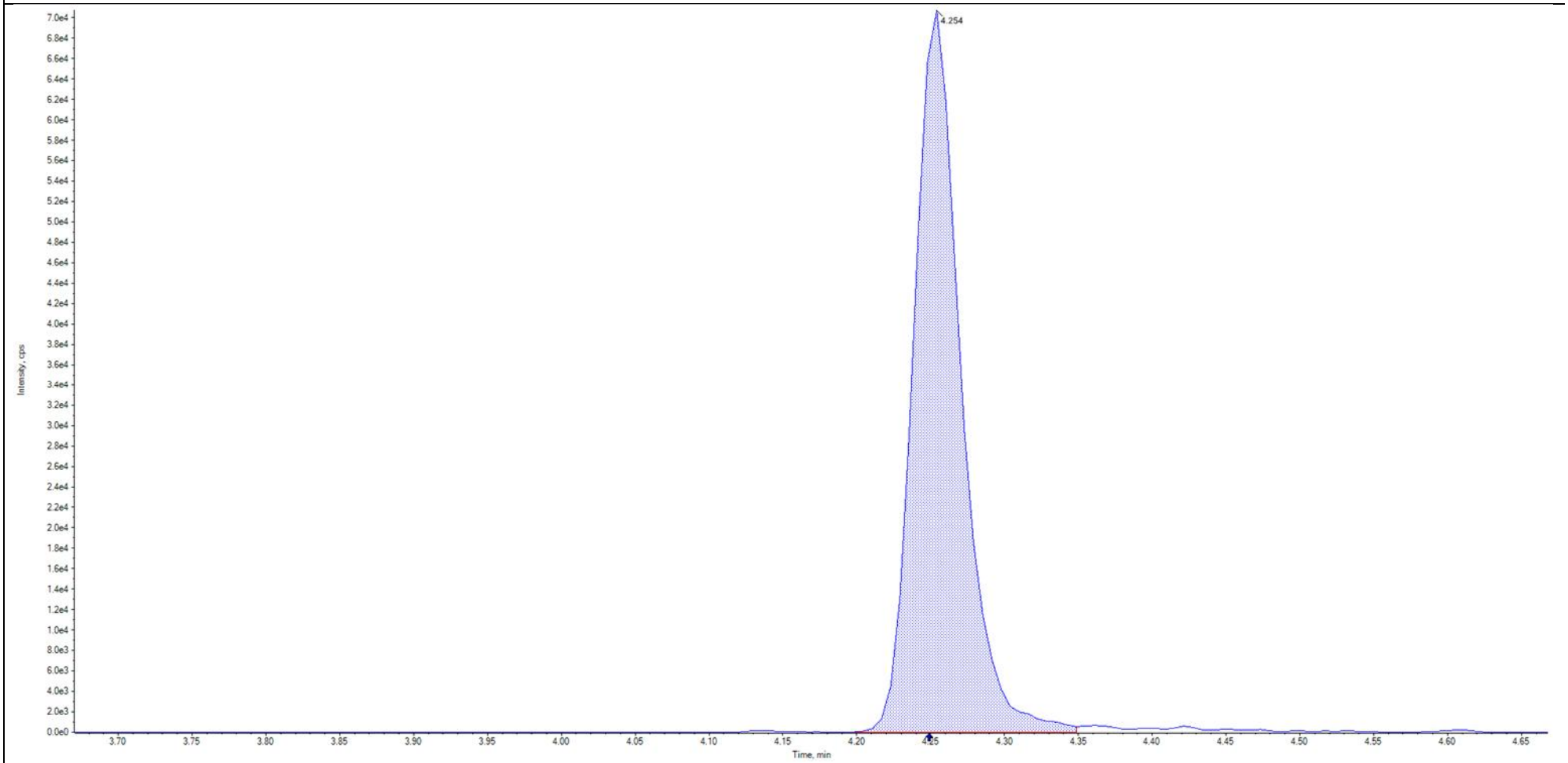
d5-NEtFOSA
Sample: IA1633STD-.1



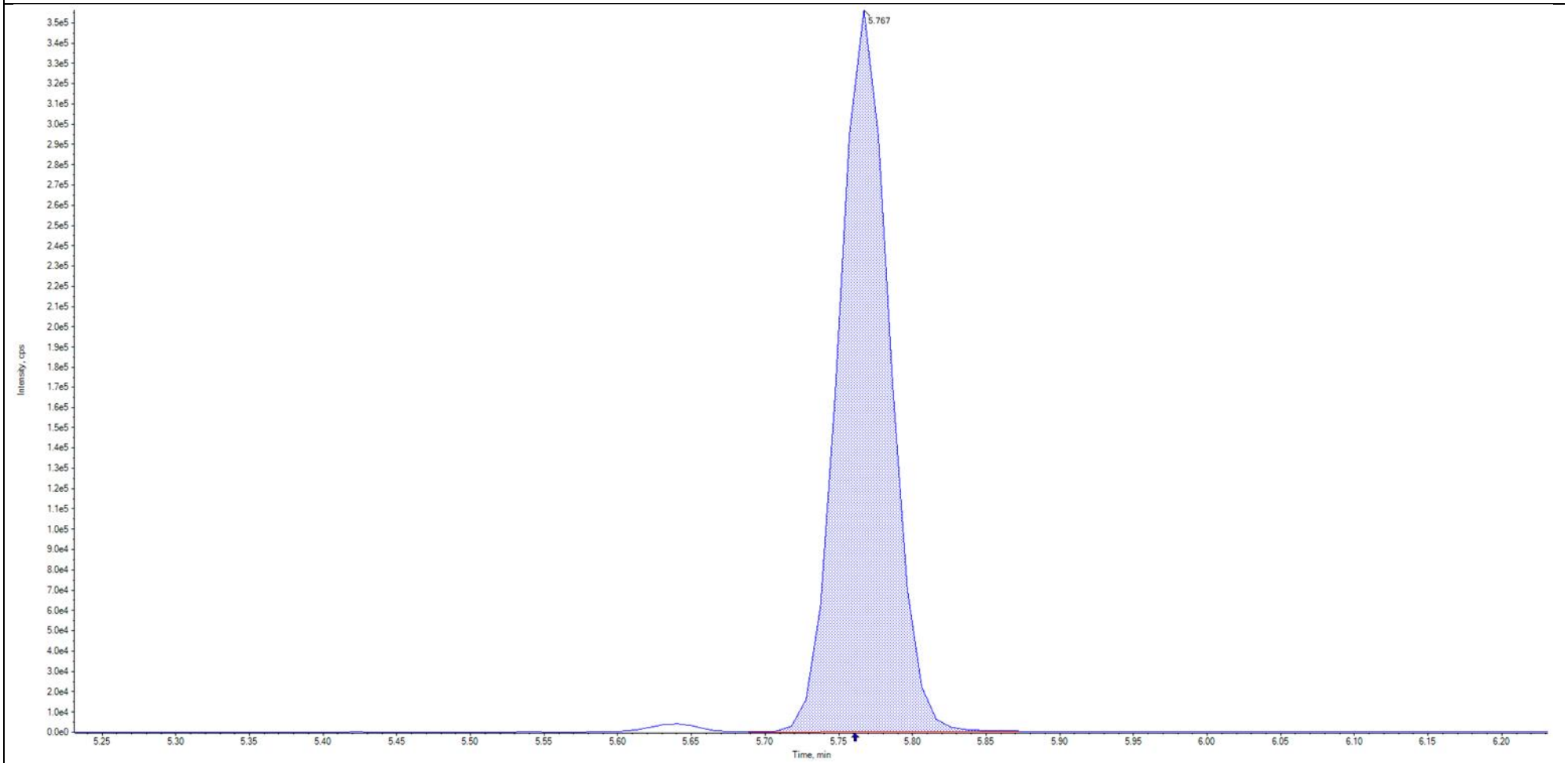
d3-NMeFOSAA
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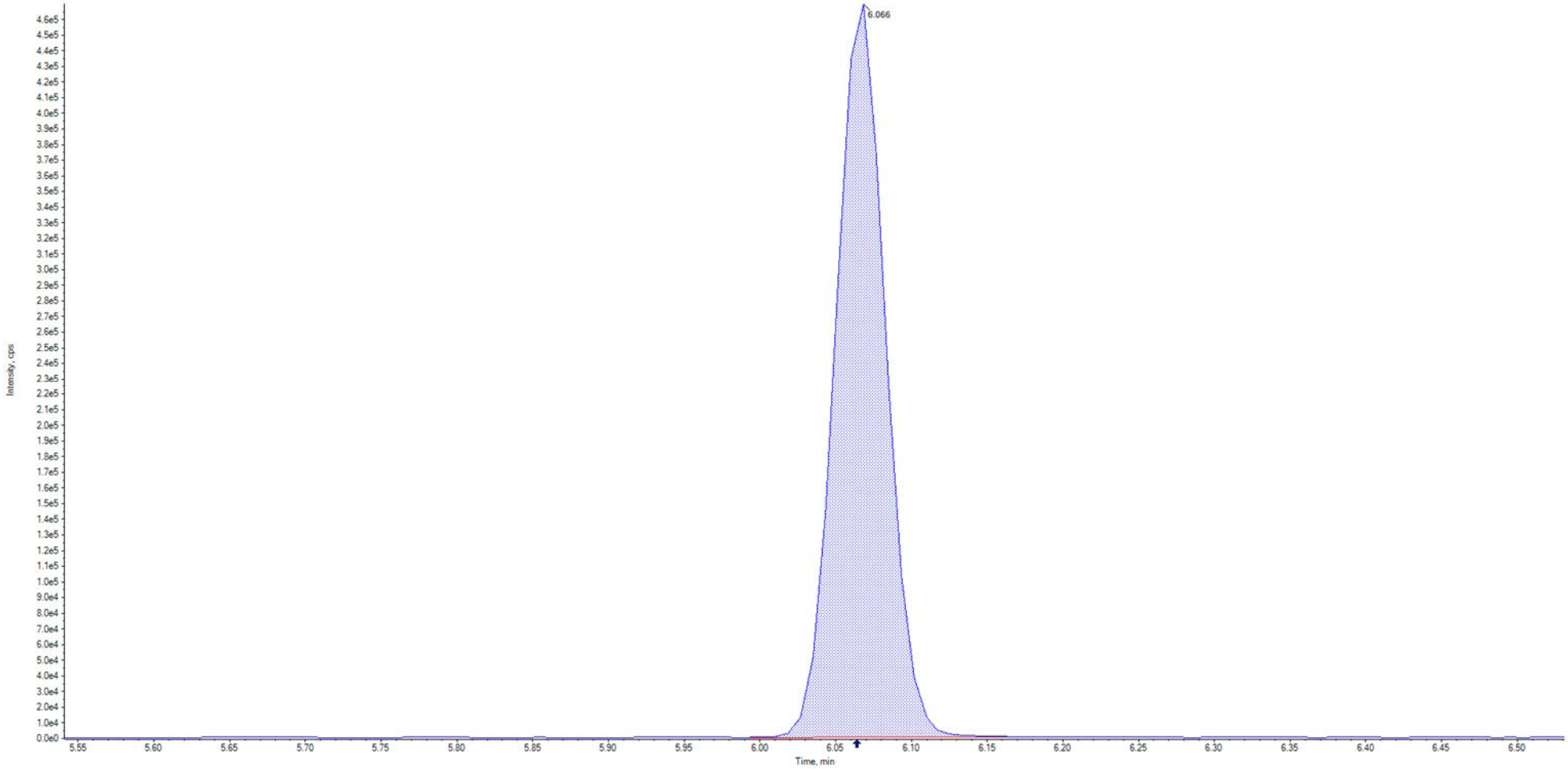
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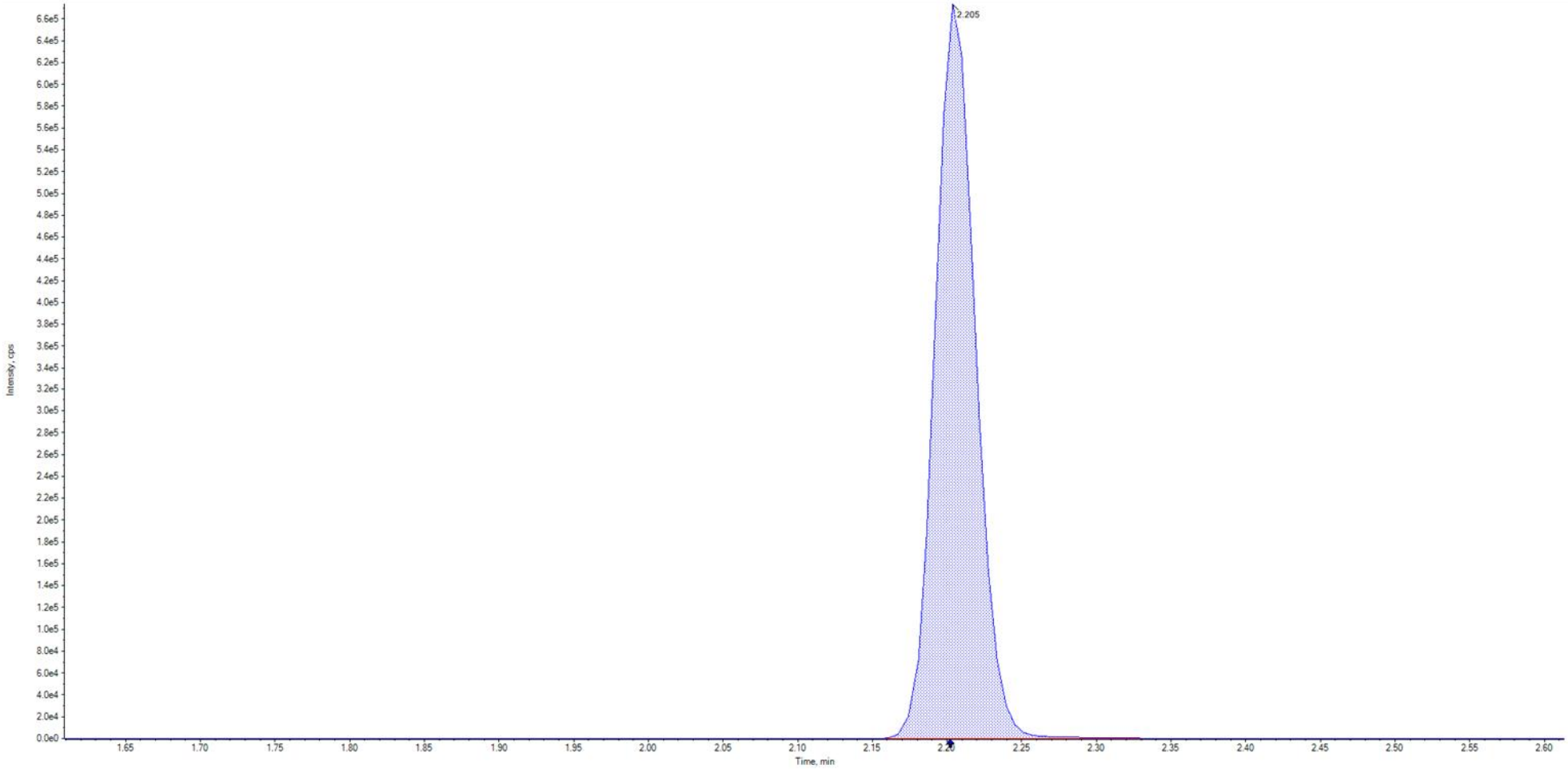
d7-NMeFOSE
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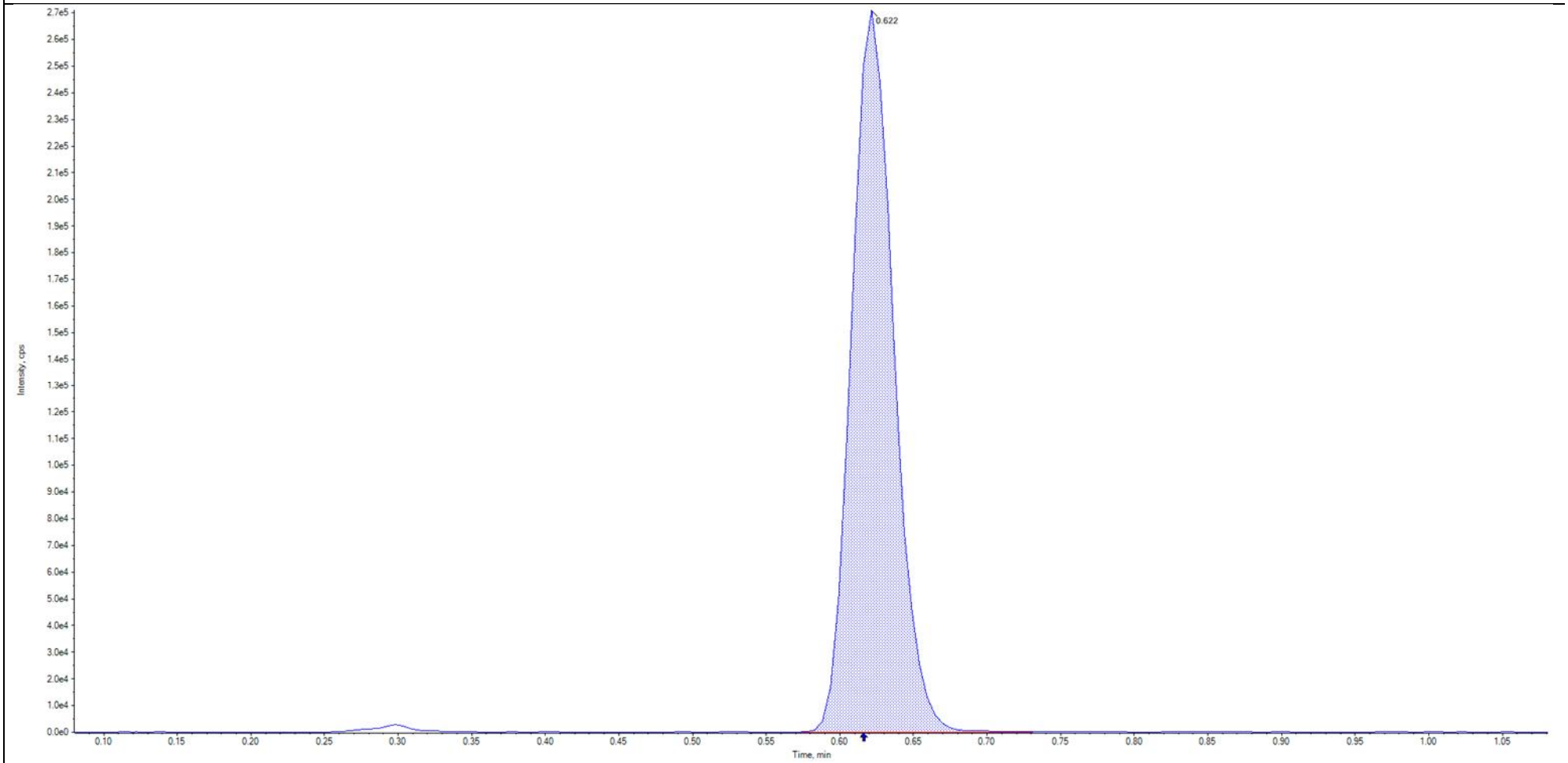
d9-NEtFOSE
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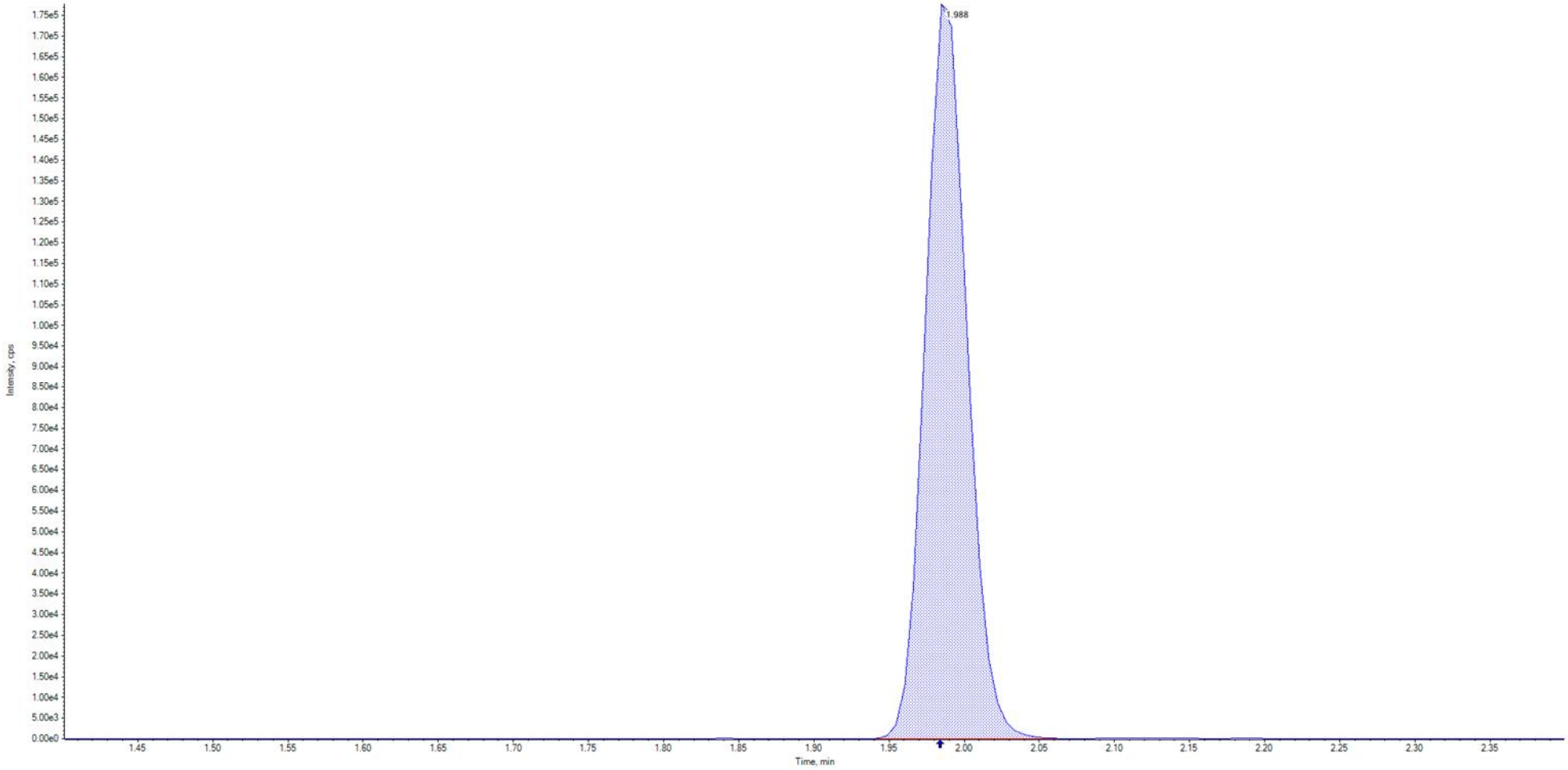
13C3-HFPO-DA
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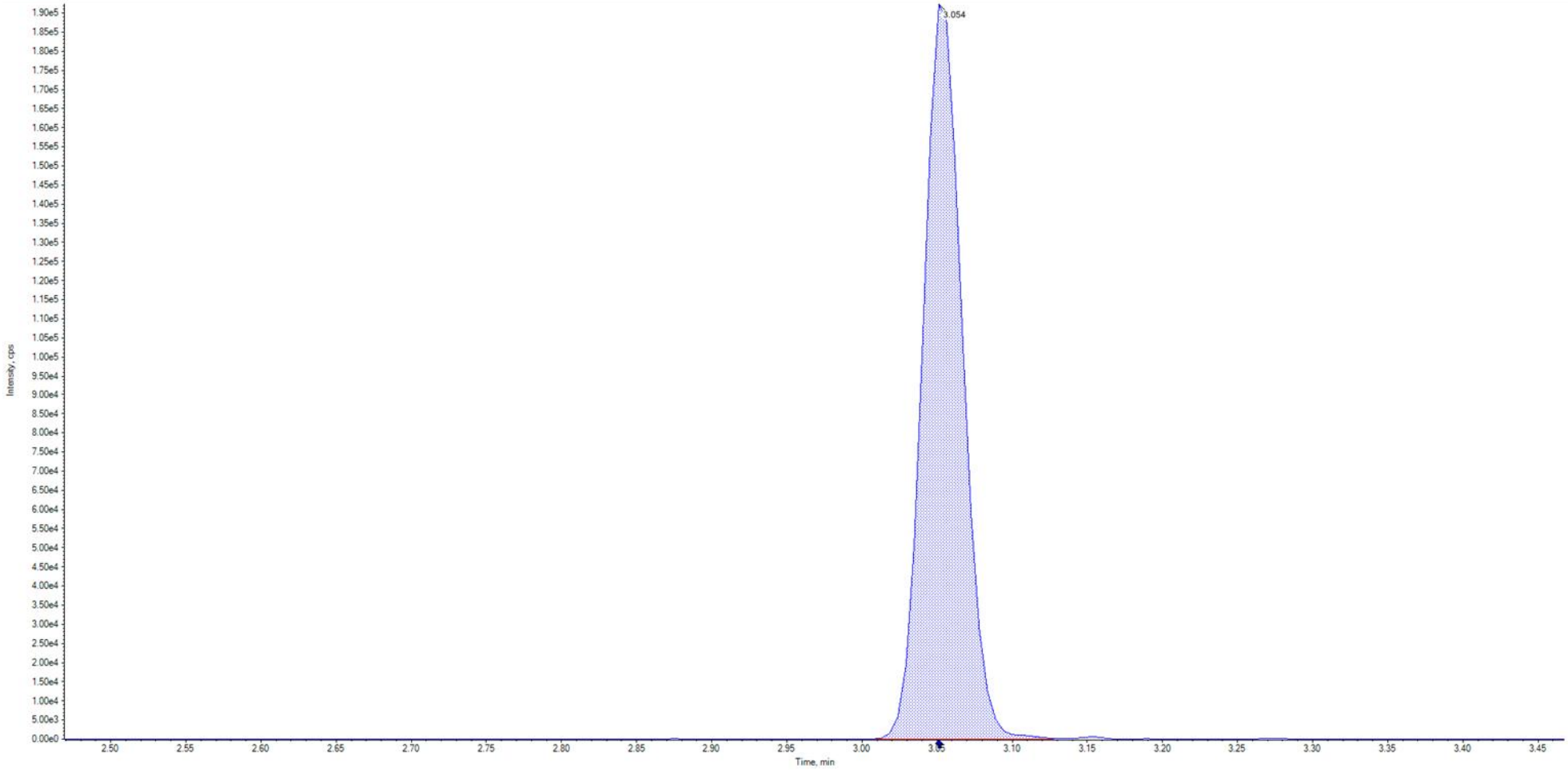
13C3-PFBA
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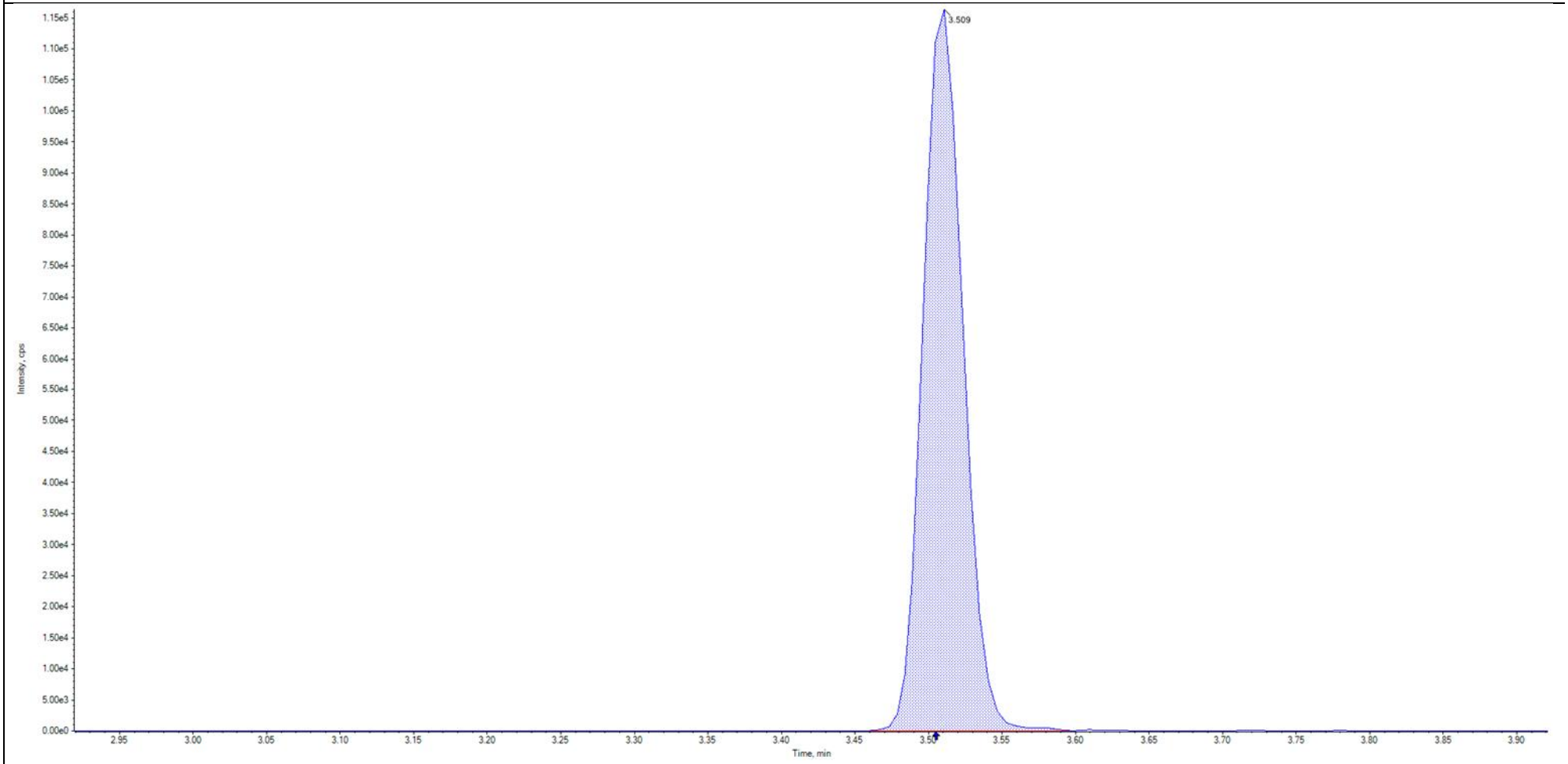
13C2-PFHxA
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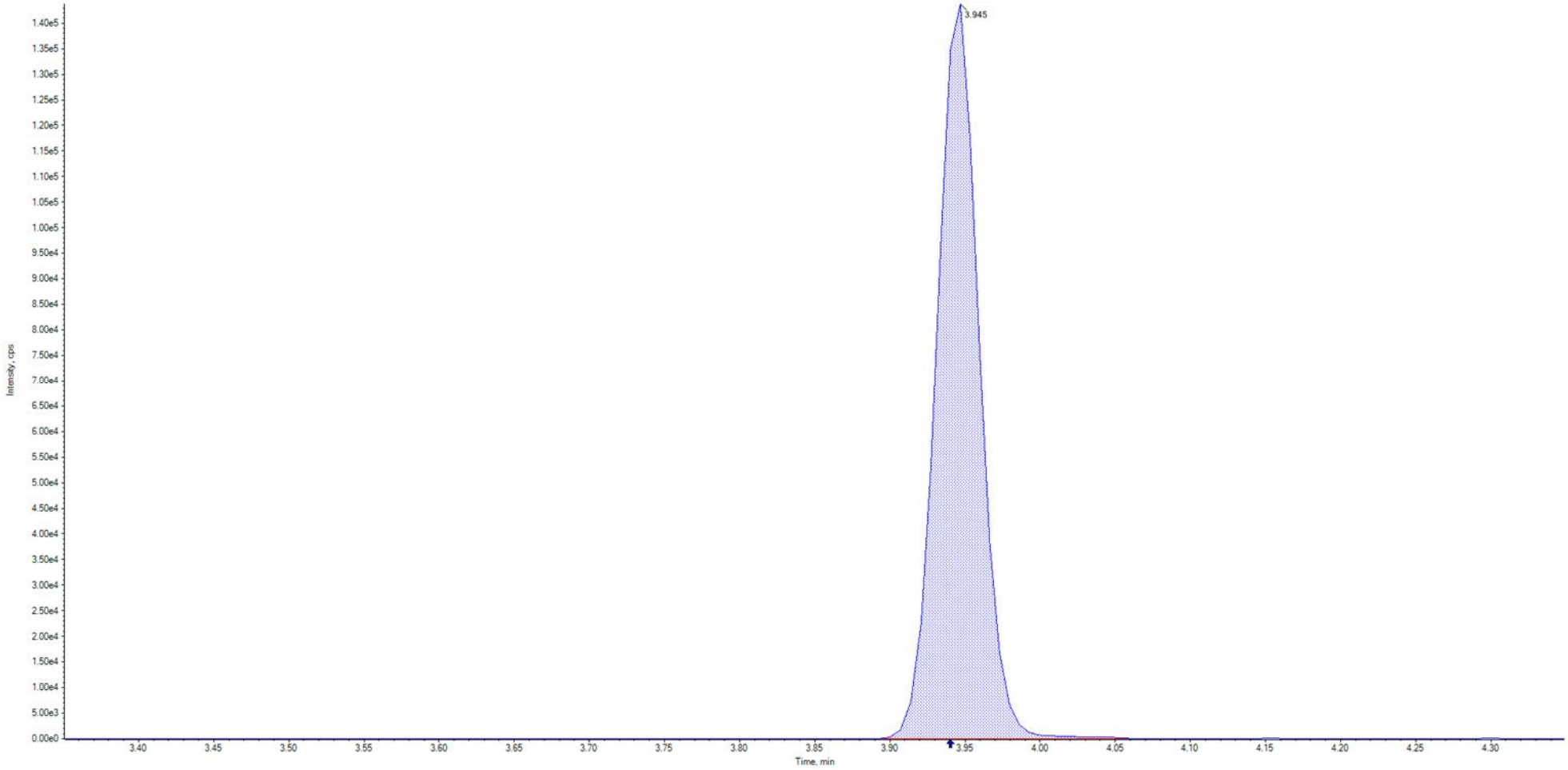
13C4-PFOA
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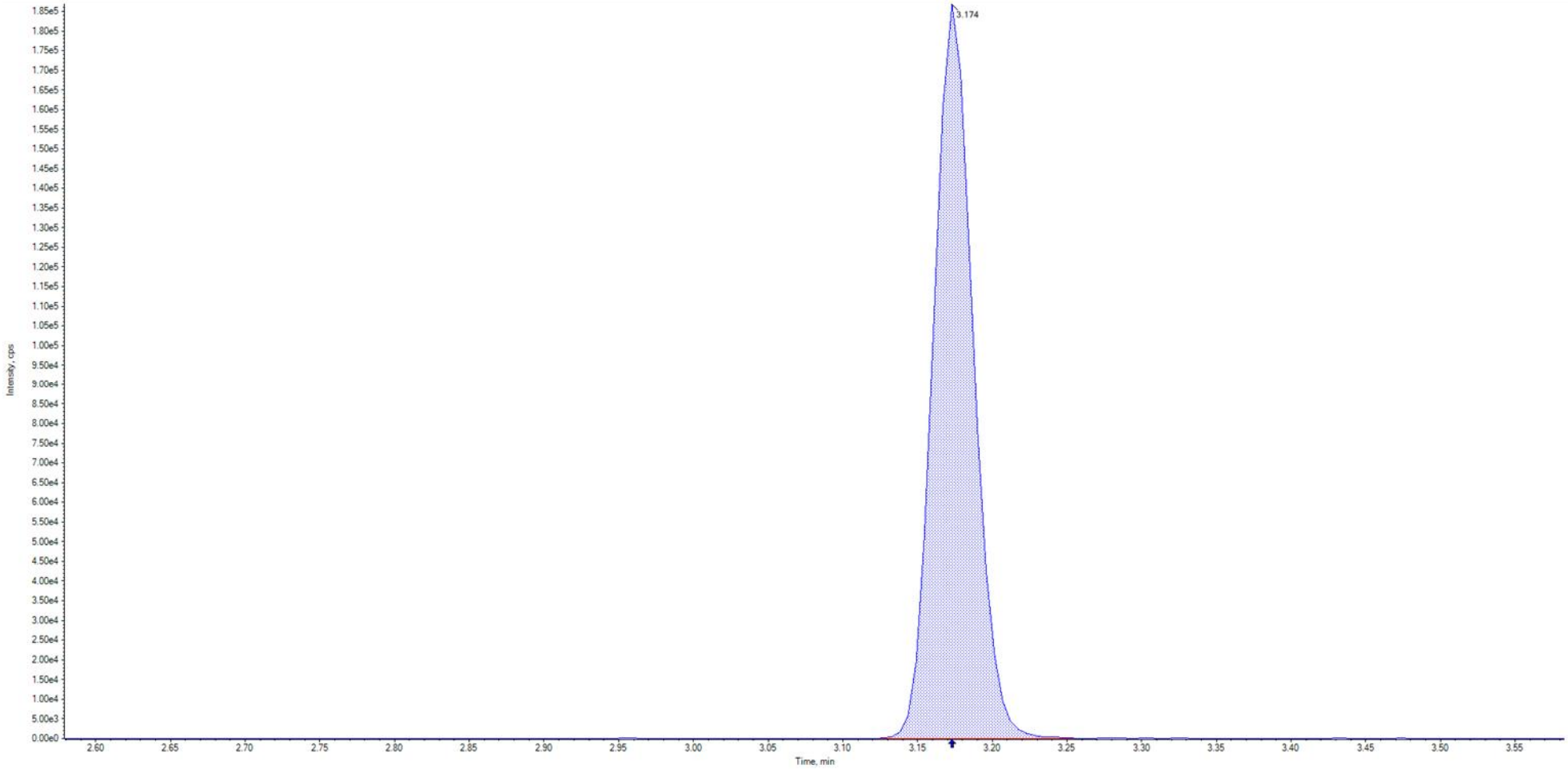
13C5-PFNA
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13C2-PFDA
Sample: IA1633STD-.1

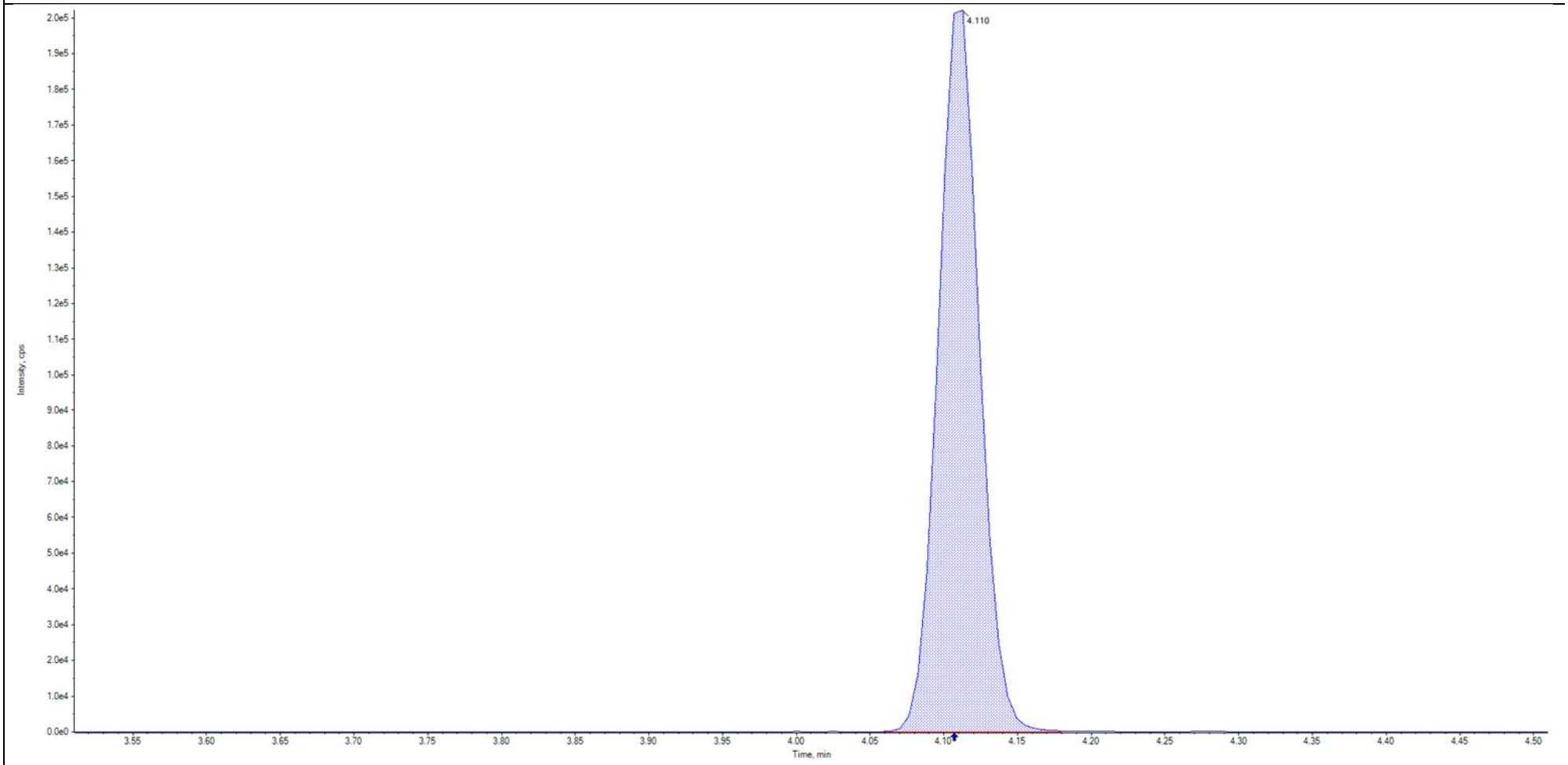


18O2-PFHxS
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Alpha Analytical LLC
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13C4-PFOS
Sample: IA1633STD-.1



Alpha Analytical LLC
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Alpha Analytical LLC
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Method: EPA1633F.qmethod
Calibration: 241216_EPA1633_ICAL

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User: LCMS08:JW

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.63	213.0 / 169.0	75814		0.832	N/A	N/A	N/A	104.0
2	PFPeA	2706-90-3	1.23	263.0 / 219.0	34961		0.405	0.009	0.008	Pass	101.3
3	PFPeA_2	2706-90-3	1.24	263.0 / 68.9	332	M2	0.471	0.009	0.008	Pass	117.9
4	PFHxA	307-24-4	2.00	313.0 / 269.0	25375		0.213	0.079	0.084	Pass	106.3
5	PFHxA_2	307-24-4	2.00	313.0 / 119.0	2015		0.211	0.079	0.084	Pass	105.4
6	PFHpA	375-85-9	2.58	363.1 / 319.0	26560		0.216	0.443	0.404	Pass	108.0
7	PFHpA_2	375-85-9	2.58	363.1 / 169.0	11759		0.226	0.443	0.404	Pass	113.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	3.07	413.1 / 369.1	25424	M5	0.216	0.516	0.562	Pass	107.9
9	PFOA_2	335-67-1	3.06	413.1 / 169.0	13127	M5	0.214	0.516	0.562	Pass	106.8
10	PFNA	375-95-1	3.52	462.8 / 418.9	21188	M5	0.211	0.390	0.464	Pass	105.4
11	PFNA_2	375-95-1	3.52	462.8 / 219.0	8253	M5	0.180	0.390	0.464	Pass	90.2
12	PFDA	335-76-2	3.96	513.1 / 469.1	26979		0.199	0.250	0.264	Pass	99.5
13	PFDA_2	335-76-2	3.96	513.1 / 219.0	6746		0.196	0.250	0.264	Pass	97.9
14	PFUnA	2058-94-8	4.38	563.1 / 519.1	27956		0.184	0.198	0.204	Pass	91.8
15	PFUnA_2	2058-94-8	4.38	563.1 / 269.0	5531		0.175	0.198	0.204	Pass	87.6
16	PFDoA	307-55-1	4.80	613.1 / 569.1	32444		0.208	0.218	0.194	Pass	103.8
17	PFDoA_2	307-55-1	4.80	613.1 / 319.0	7084		0.223	0.218	0.194	Pass	111.3
18	PFTrDA	72629-94-8	5.20	663.1 / 619.1	39912		0.225	0.180	0.193	Pass	112.6
19	PFTrDA_2	72629-94-8	5.20	663.1 / 169.0	7203		0.218	0.180	0.193	Pass	109.2
20	PFTeDA	376-06-7	5.59	713.1 / 669.1	46595		0.225	0.150	0.163	Pass	112.6
21	PFTeDA_2	376-06-7	5.60	713.1 / 169.0	6989		0.213	0.150	0.163	Pass	106.3
22	PFBS	375-73-5	2.01	299.1 / 80.1	35506		0.195	0.298	0.353	Pass	109.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	2.01	299.1 / 99.1	10589		0.169	0.298	0.353	Pass	94.7
24	PFPeS	2706-91-4	2.66	349.1 / 80.1	31019		0.191	0.289	0.294	Pass	101.4
25	PFPeS_2	2706-91-4	2.66	349.1 / 99.1	8973		0.199	0.289	0.294	Pass	105.9
26	PFHxS	355-46-4	3.19	399.1 / 80.1	30914	M5	0.207	0.281	0.292	Pass	113.7
27	PFHxS_2	355-46-4	3.19	399.1 / 99.1	8678	M5	0.199	0.281	0.292	Pass	109.3
28	PFHpS	375-92-8	3.67	449.1 / 80.1	29721		0.193	0.271	0.274	Pass	101.4
29	PFHpS_2	375-92-8	3.67	449.1 / 99.1	8040		0.197	0.271	0.274	Pass	103.8
30	PFOS	1763-23-1	4.12	499.1 / 80.1	43877	M5	0.217	0.187	0.223	Pass	116.5
31	PFOS_2	1763-23-1	4.12	499.1 / 99.1	8184	M5	0.192	0.187	0.223	Pass	103.4
32	PFNS	68259-12-1	4.56	549.1 / 80.1	34871		0.198	0.266	0.281	Pass	103.2
33	PFNS_2	68259-12-1	4.55	549.1 / 99.1	9290		0.189	0.266	0.281	Pass	98.3
34	PFDS	335-77-3	4.97	599.1 / 80.1	34961		0.187	0.286	0.267	Pass	97.1
35	PFDS_2	335-77-3	4.97	599.1 / 99.1	9984		0.201	0.286	0.267	Pass	104.1
36	PFDoS	79780-39-5	5.76	699.2 / 80.1	42959		0.213	0.216	0.225	Pass	109.6
37	PFDoS_2	79780-39-5	5.76	699.2 / 99.1	9269		0.205	0.216	0.225	Pass	105.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	1.77	327.1 / 307.1	22321		0.831	0.659	0.637	Pass	110.8
39	4:2FTS_2	757124-72-4	1.77	327.1 / 81.1	14710		0.832	0.659	0.637	Pass	110.9
40	6:2FTS	27619-97-2	2.88	427.2 / 407.2	19953		0.788	0.604	0.571	Pass	103.6
41	6:2FTS_2	27619-97-2	2.87	427.2 / 81.1	12043		0.774	0.604	0.571	Pass	101.7
42	8:2FTS	39108-34-4	3.76	527.2 / 507.2	18791		0.858	0.799	0.758	Pass	111.7
43	8:2FTS_2	39108-34-4	3.76	527.2 / 81.1	15010		0.881	0.799	0.758	Pass	114.7
44	PFOSA	754-91-6	5.20	498.1 / 78.1	47082	M5	0.203	0.032	0.023	Pass	101.6
45	PFOSA_2	754-91-6	5.19	498.1 / 478.0	1490	M5	0.250	0.032	0.023	Pass	124.9
46	NMeFOSA	31506-32-8	5.94	512.2 / 219.0	10059	M5	0.214	1.456	1.447	Pass	106.8
47	NMeFOSA_2	31506-32-8	5.88	512.2 / 169.0	14645	M5	0.214	1.456	1.447	Pass	107.0
48	NEtFOSA	4151-50-2	6.23	526.2 / 219.0	9888	M5	0.202	1.429	1.299	Pass	100.8
49	NEtFOSA_2	4151-50-2	6.18	526.2 / 169.0	14126	M5	0.221	1.429	1.299	Pass	110.3
50	NMeFOSAA	2355-31-9	4.06	570.2 / 419.1	5441		0.189	0.647	0.605	Pass	94.4
51	NMeFOSAA_2	2355-31-9	4.06	570.2 / 483.0	3518	M5	0.200	0.647	0.605	Pass	99.9
52	NEtFOSAA	2991-50-6	4.27	584.2 / 419.1	5643	M5	0.190	0.494	0.518	Pass	94.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.28	584.2 / 526.2	2785	M5	0.188	0.494	0.518	Pass	93.9
54	NMeFOSE	24448-09-7	5.80	616.1 / 58.9	140019	M5	2.014	N/A	N/A	N/A	100.7
55	NEtFOSE	1691-99-2	6.10	630.0 / 58.9	186022	M5	2.095	N/A	N/A	N/A	104.7
56	HFPO-DA	13252-13-6	2.22	285.0 / 169.0	86725		0.850	0.499	0.474	Pass	106.2
57	HFPO-DA_2	13252-13-6	2.22	285.0 / 184.9	43270		0.894	0.499	0.474	Pass	111.8
58	ADONA	919005-14-4	2.76	376.9 / 251.0	182930		0.850	0.744	0.740	Pass	112.4
59	ADONA_2	919005-14-4	2.76	376.9 / 84.8	136143		0.886	0.744	0.740	Pass	117.2
60	9Cl-PF3ONS	756426-58-1	4.42	530.8 / 351.1	266567		0.852	0.324	0.340	Pass	114.2
61	9Cl-PF3ONS_2	756426-58-1	4.42	532.8 / 353.0	86277		0.820	0.324	0.340	Pass	110.0
62	11Cl-PF3OUdS	763051-92-9	5.25	630.9 / 451.0	288207		0.877	0.322	0.328	Pass	116.3
63	11Cl-PF3OUdS_2	763051-92-9	5.25	632.9 / 452.9	92802		0.849	0.322	0.328	Pass	112.6
64	3:3FTCA	356-02-5	1.57	241.1 / 177.1	6771		0.890	1.099	0.996	Pass	89.0
65	3:3FTCA_2	356-02-5	1.57	241.1 / 117.0	7439		1.006	1.099	0.996	Pass	100.6
66	5:3FTCA	914637-49-3	3.02	341.1 / 237.1	160135		5.626	1.011	1.037	Pass	112.5
67	5:3FTCA_2	914637-49-3	3.02	341.1 / 217.0	161872		5.485	1.011	1.037	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	4.05	441.1 / 316.9	154034		5.078	1.182	1.181	Pass	101.6
69	7:3FTCA_2	812-70-4	4.05	441.1 / 337.1	182067		5.260	1.182	1.181	Pass	105.2
70	PFEESA	113507-82-7	2.32	315.1 / 135.0	156757		0.373	0.089	0.078	Pass	104.4
71	PFEESA_2	113507-82-7	2.32	315.1 / 82.9	14013		0.405	0.089	0.078	Pass	113.3
72	PFMPA	377-73-1	0.79	229.0 / 85.0	41422		0.392	N/A	N/A	N/A	98.0
73	PFMBA	863090-89-5	1.49	279.0 / 85.0	53933		0.422	N/A	N/A	N/A	105.5
74	NFDHA	151772-58-6	1.92	295.0 / 201.0	21848		0.434	0.769	0.765	Pass	108.4
75	NFDHA_2	151772-58-6	1.92	295.0 / 84.9	16792		0.428	0.769	0.765	Pass	107.1
76	TDCA	516-50-7	2.71	499.1 / 124.1	2283095		9.769	5.725	5.845	Pass	N/A
77	TDCA_2	516-50-7	2.71	499.1 / 79.9	13069613		9.538	5.725	5.845	Pass	N/A
78	13C2D4-4:2FTS	Surr	1.76	333.2 / 312.1	87011		3.689	N/A	N/A	N/A	73.8
79	13C2-PFOA	Surr	3.06	415.0 / 370.0	259896		1.901	N/A	N/A	N/A	76.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.63	217.0 / 172.0	1101411		10.130	NA	NA	NA	101.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.23	268.0 / 223.0	478358		5.046	NA	NA	NA	100.9
	13C5-PFHxA	EIS	1.99	318.0 / 273.0	281866		2.401	NA	NA	NA	96.0
	13C4-PFHpA	EIS	2.57	367.0 / 322.0	361307		2.438	NA	NA	NA	97.5
	13C8-PFOA	EIS	3.06	420.8 / 376.0	422511		2.730	NA	NA	NA	109.2
	13C9-PFNA	EIS	3.52	472.0 / 427.0	208725		1.325	NA	NA	NA	106.0
	13C6-PFDA	EIS	3.95	519.0 / 474.0	262480		1.299	NA	NA	NA	103.9
	13C7-PFUnA	EIS	4.38	570.0 / 525.0	294624		1.372	NA	NA	NA	109.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.79	615.1 / 570.0	218738		1.238	NA	NA	NA	99.0
	13C2-PFTeDA	EIS	5.59	715.1 / 670.1	264418		1.274	NA	NA	NA	101.9
	13C3-PFBS	EIS	2.01	302.1 / 80.1	450358		2.414	NA	NA	NA	103.6
	13C3-PFHxS	EIS	3.18	402.1 / 80.1	365200		2.308	NA	NA	NA	97.4
	13C8-PFOS	EIS	4.12	507.1 / 80.1	474456		2.415	NA	NA	NA	100.6
	13C2-4:2FTS	EIS	1.77	329.1 / 81.1	79714		4.530	NA	NA	NA	96.6
	13C2-6:2FTS	EIS	2.87	429.2 / 81.1	76741		4.576	NA	NA	NA	96.1
	13C2-8:2FTS	EIS	3.76	529.2 / 81.1	96522		4.082	NA	NA	NA	85.0

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C8-PFOSA	EIS	5.19	506.1 / 78.1	728347		2.581	NA	NA	NA	103.2
d3-NMeFOSA	EIS	5.93	515.2 / 219.0	105796		2.392	NA	NA	NA	95.7
d5-NEtFOSA	EIS	6.22	531.2 / 219.0	107791		2.462	NA	NA	NA	98.5
d3-NMeFOSAA	EIS	4.05	573.2 / 419.1	164023		4.640	NA	NA	NA	92.8
d5-NEtFOSAA	EIS	4.26	589.3 / 419.1	145351		4.905	NA	NA	NA	98.1
d7-NMeFOSE	EIS	5.77	623.2 / 58.9	792831		24.978	NA	NA	NA	99.9
d9-NEtFOSE	EIS	6.07	639.2 / 58.9	976428		24.869	NA	NA	NA	99.5

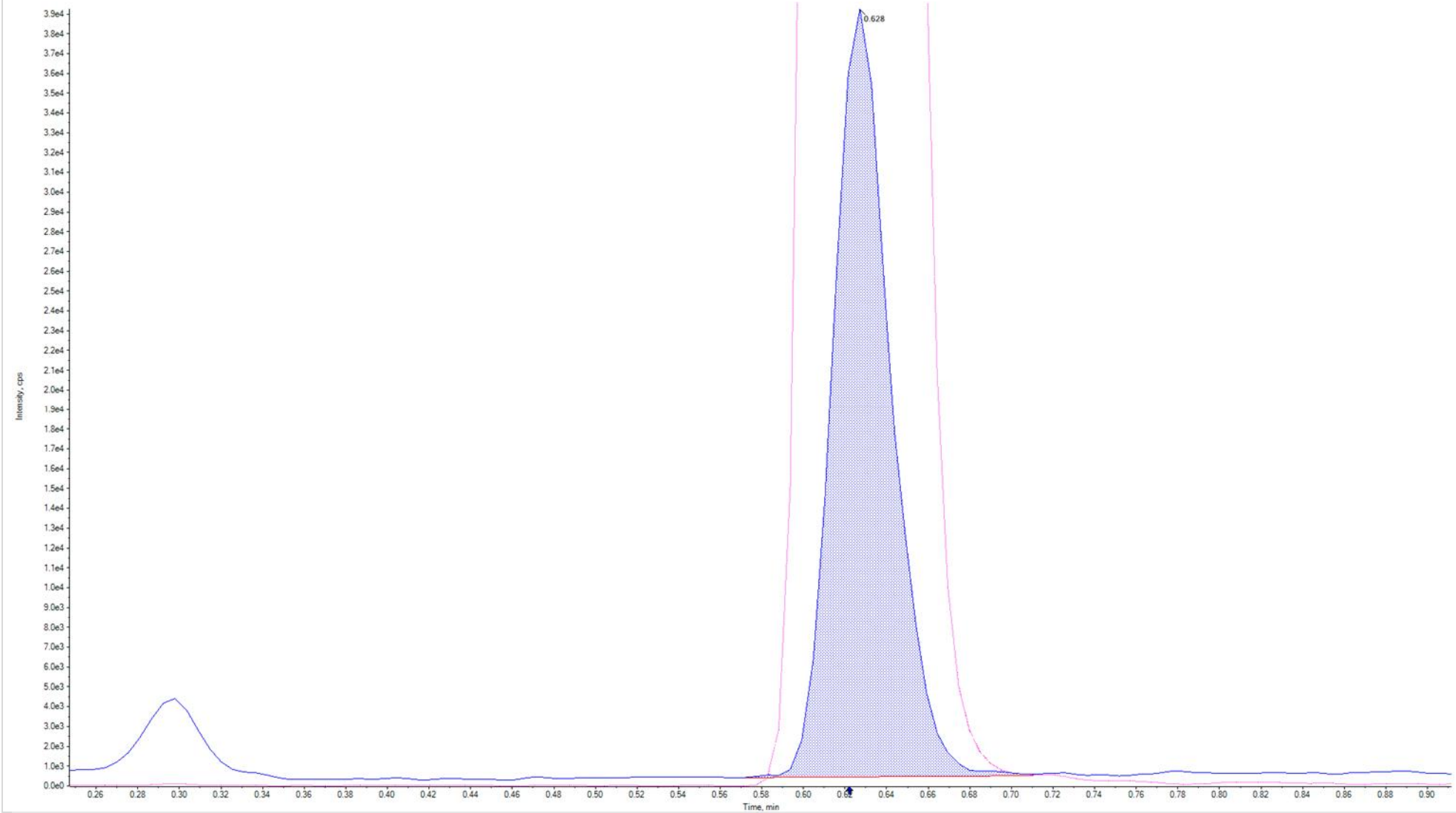
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	13C3-HFPO-DA	EIS	2.21	287.0 / 169.0	1073448		9.964	NA	NA	NA	99.6
	13C3-PFBA	NIS	0.62	216.0 / 172.0	477309		4.837	NA	NA	NA	96.7
	13C2-PFHxA	NIS	1.99	315.0 / 270.0	313915		2.295	NA	NA	NA	91.8
	13C4-PFOA	NIS	3.06	417.0 / 372.0	300177		2.056	NA	NA	NA	82.3
	13C5-PFNA	NIS	3.52	468.0 / 423.0	198300		1.068	NA	NA	NA	85.5
	13C2-PFDA	NIS	3.95	515.1 / 470.1	242683		1.066	NA	NA	NA	85.3
	18O2-PFHxS	NIS	3.18	403.1 / 84.1	325815		2.130	NA	NA	NA	89.9
	13C4-PFOS	NIS	4.12	503.1 / 80.1	361031		2.123	NA	NA	NA	88.4

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

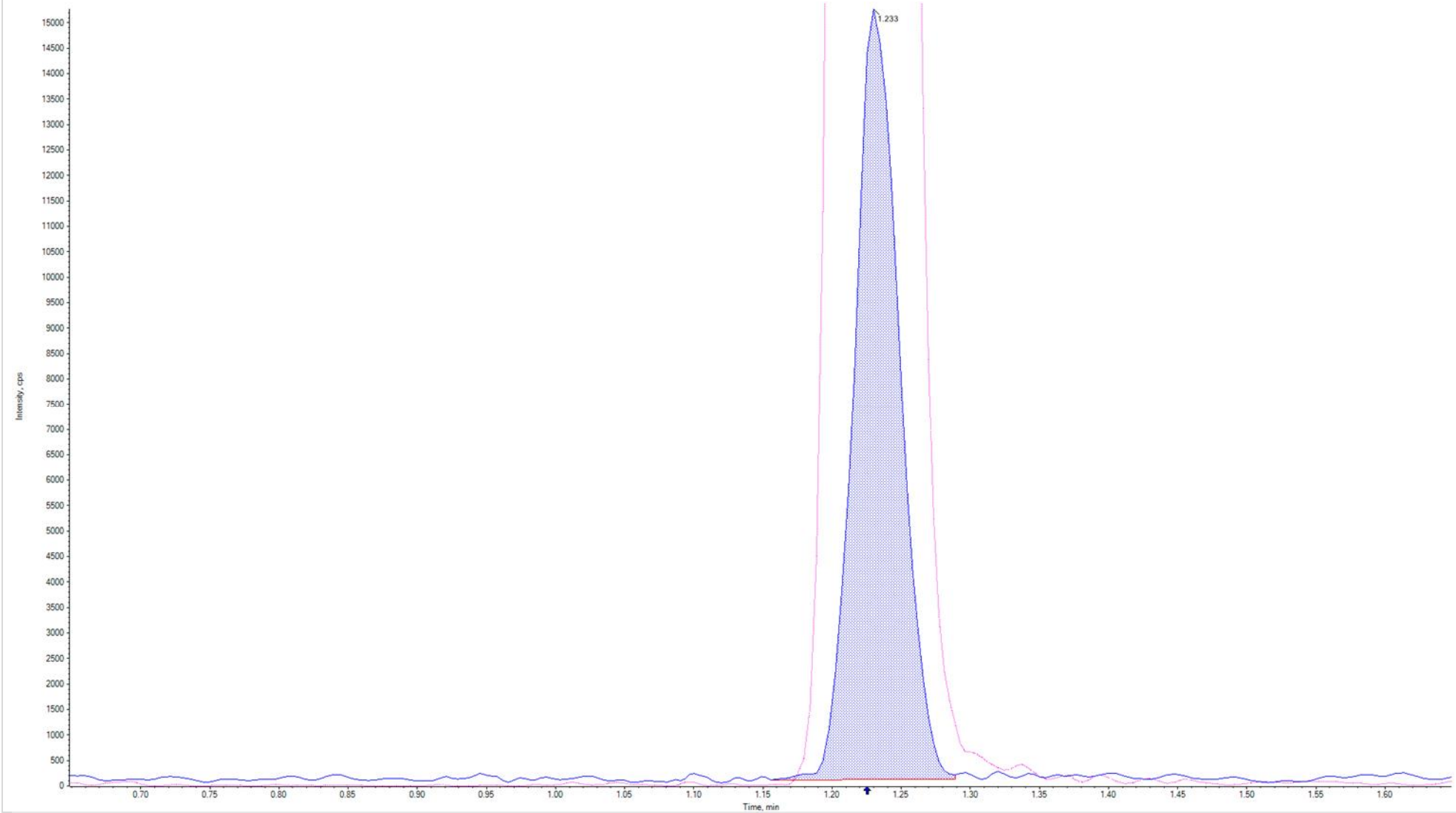
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_12.wiff2_2
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFBA
Sample: IA1633STD-.2 S/N:360.7 Points Across peak:28

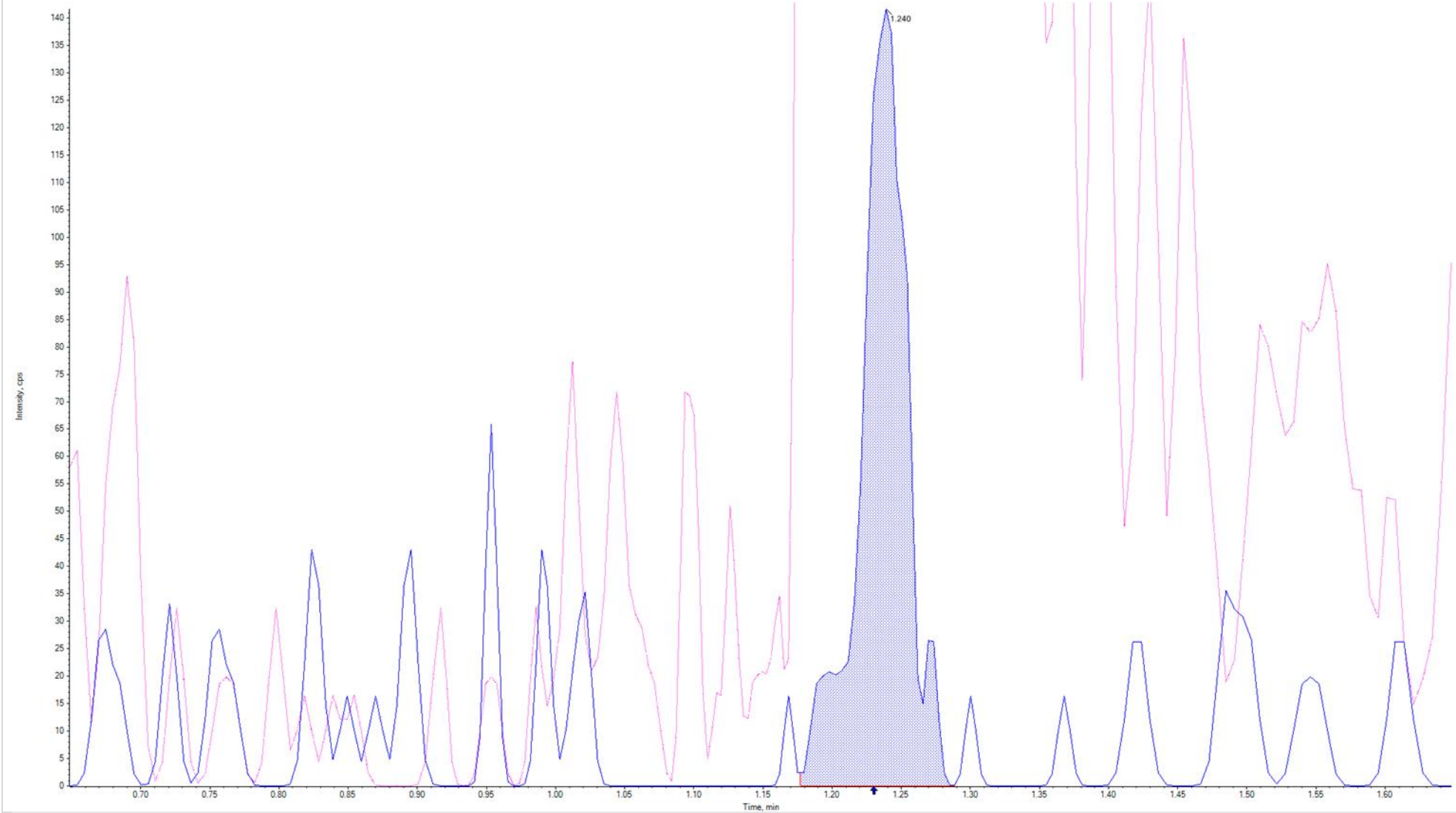


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_12.wiff2_2
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFPeA
Sample: IA1633STD-.2 S/N:762.0 Points Across peak:34

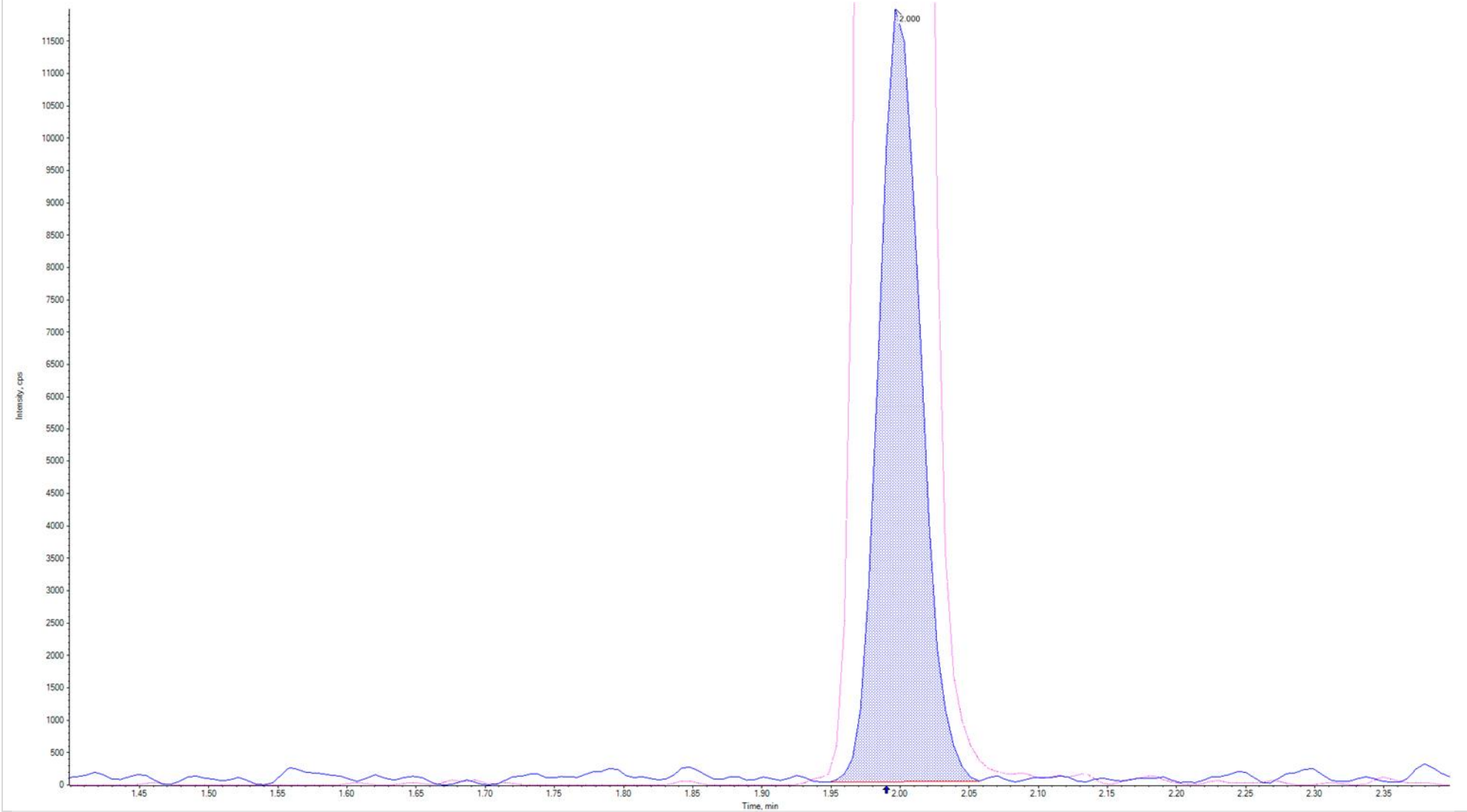


PFPeA_2
Sample: IA1633STD-.2 S/N:8.5 Points Across peak:28



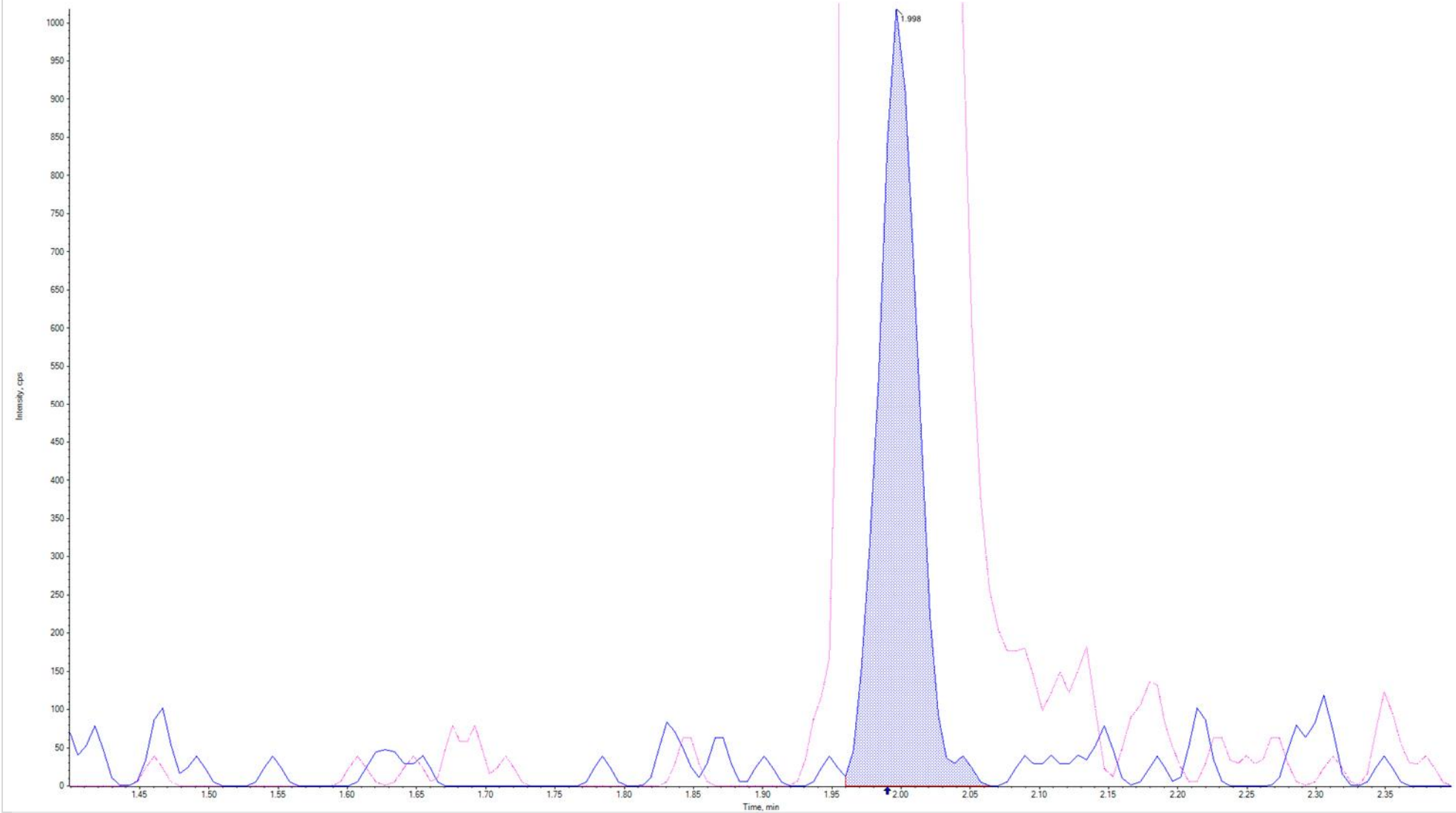
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFHxA
Sample: IA1633STD-.2 S/N:299.5 Points Across peak:19



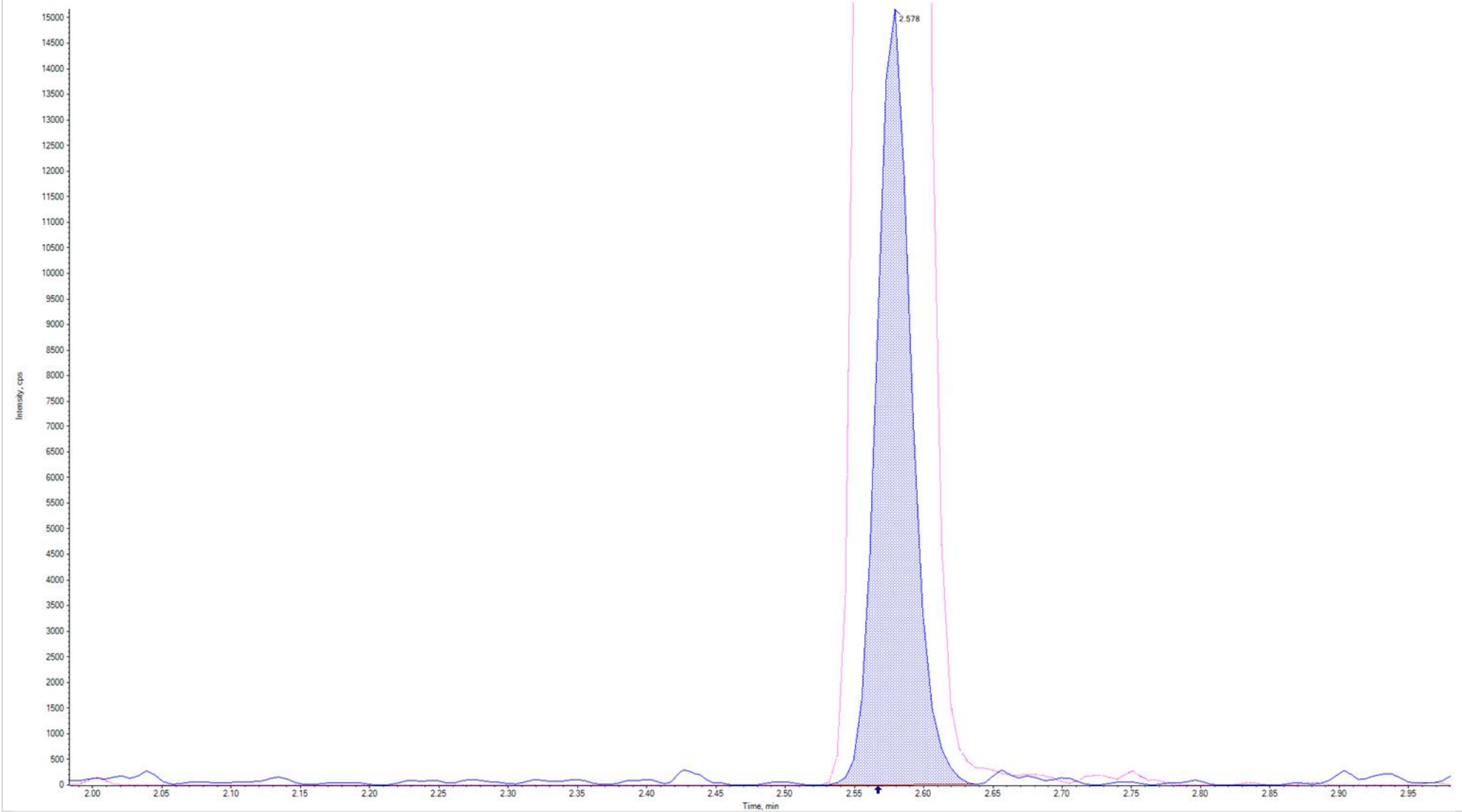
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Alpha Analytical LLC
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PFHxA_2
Sample: IA1633STD-.2 S/N:25.5 Points Across peak:19



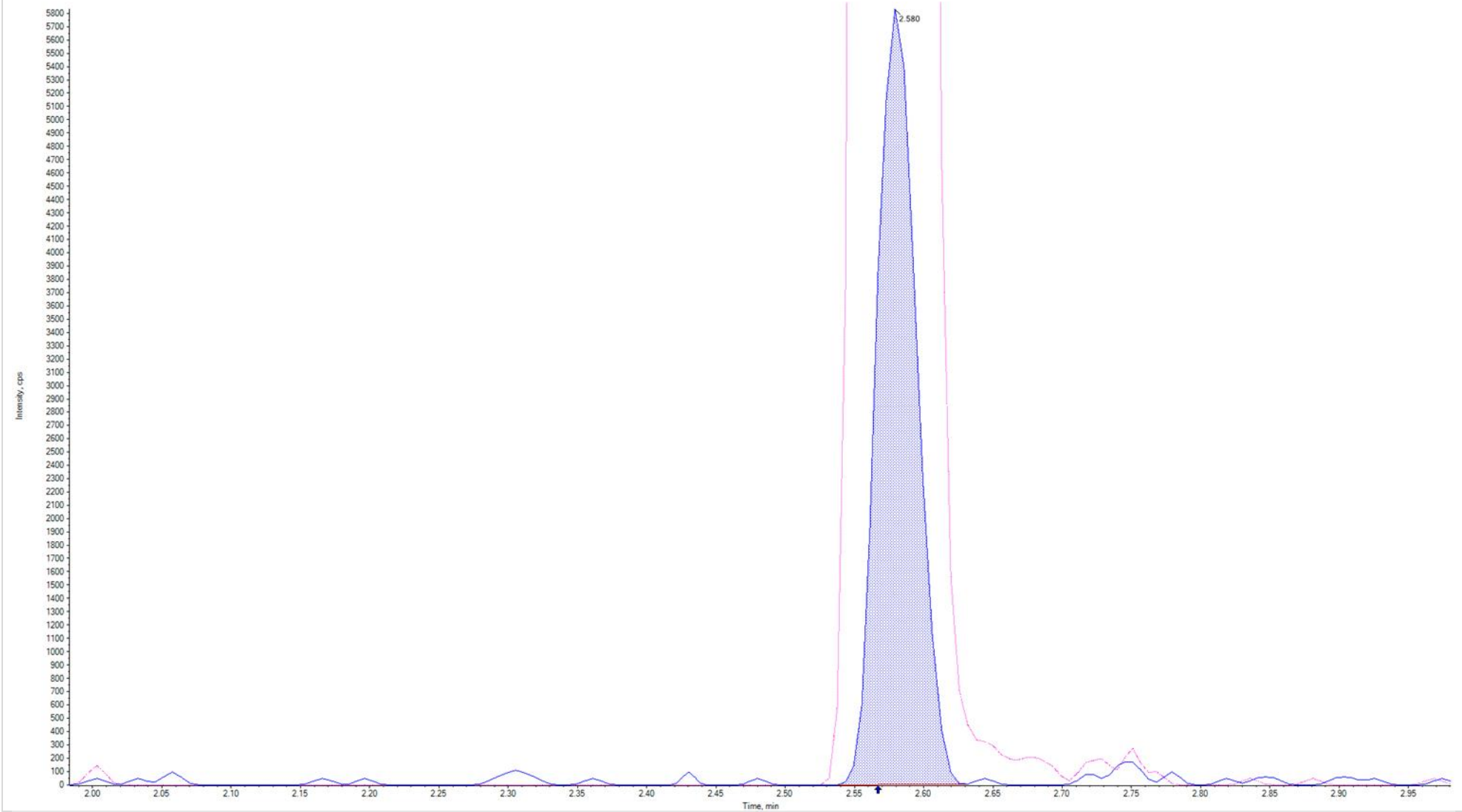
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Alpha Analytical LLC
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PFHpA
Sample: IA1633STD-.2 S/N:304.0 Points Across peak:19



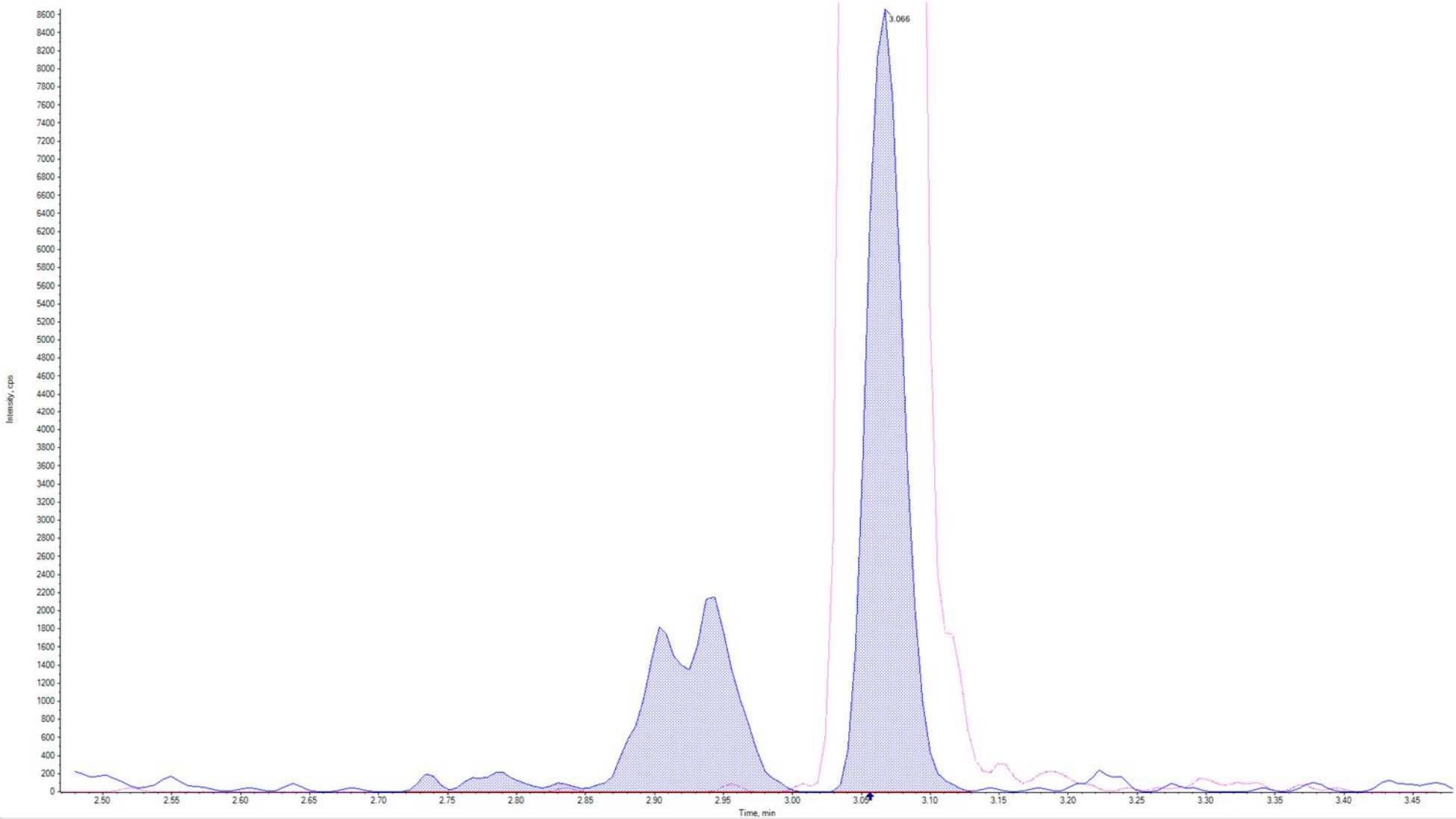
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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PFHpA_2
Sample: IA1633STD-.2 S/N:116.9 Points Across peak:17



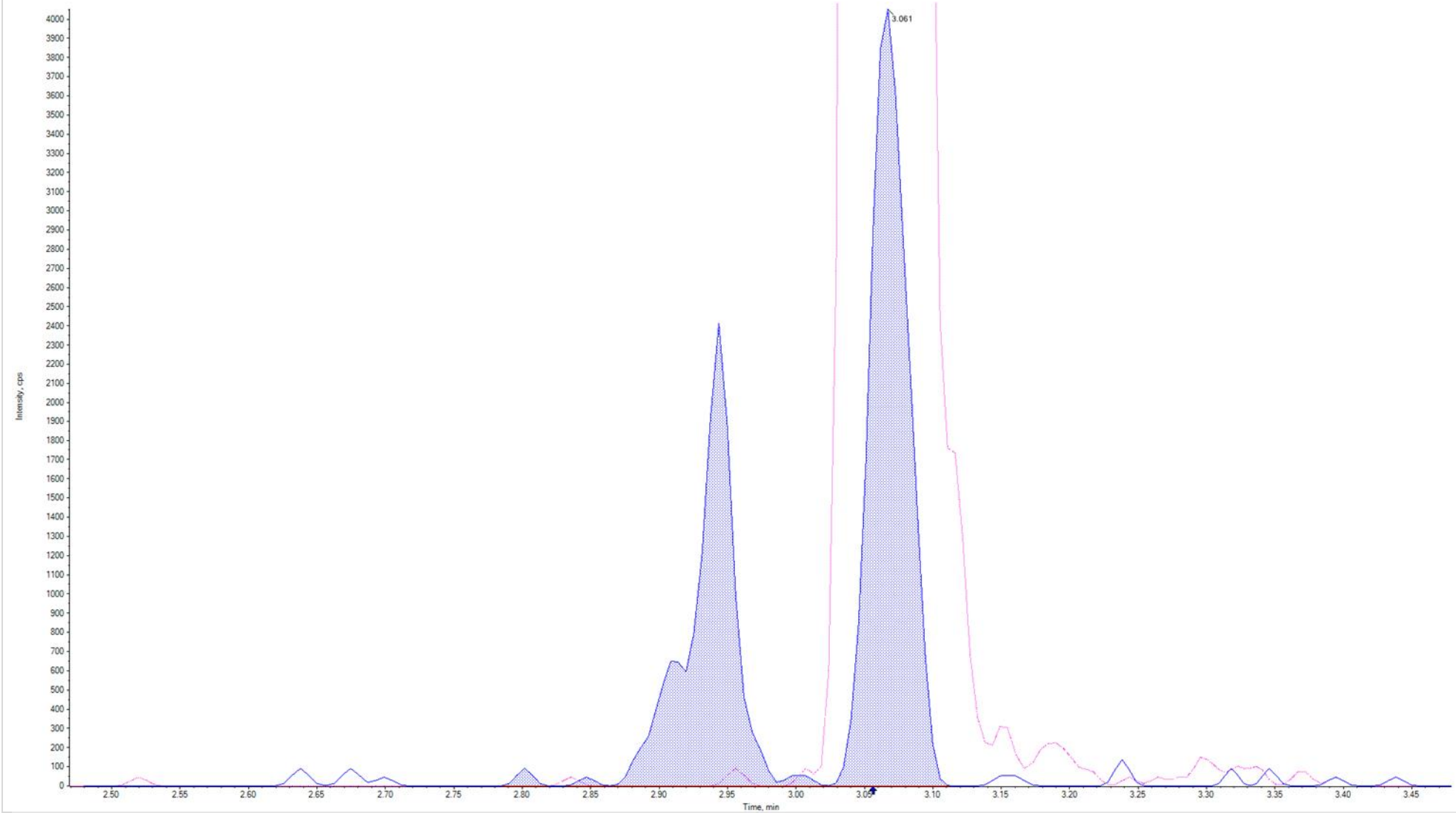
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Alpha Analytical LLC
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PFOA
Sample: IA1633STD-.2 S/N:179.5 Points Across peak:77



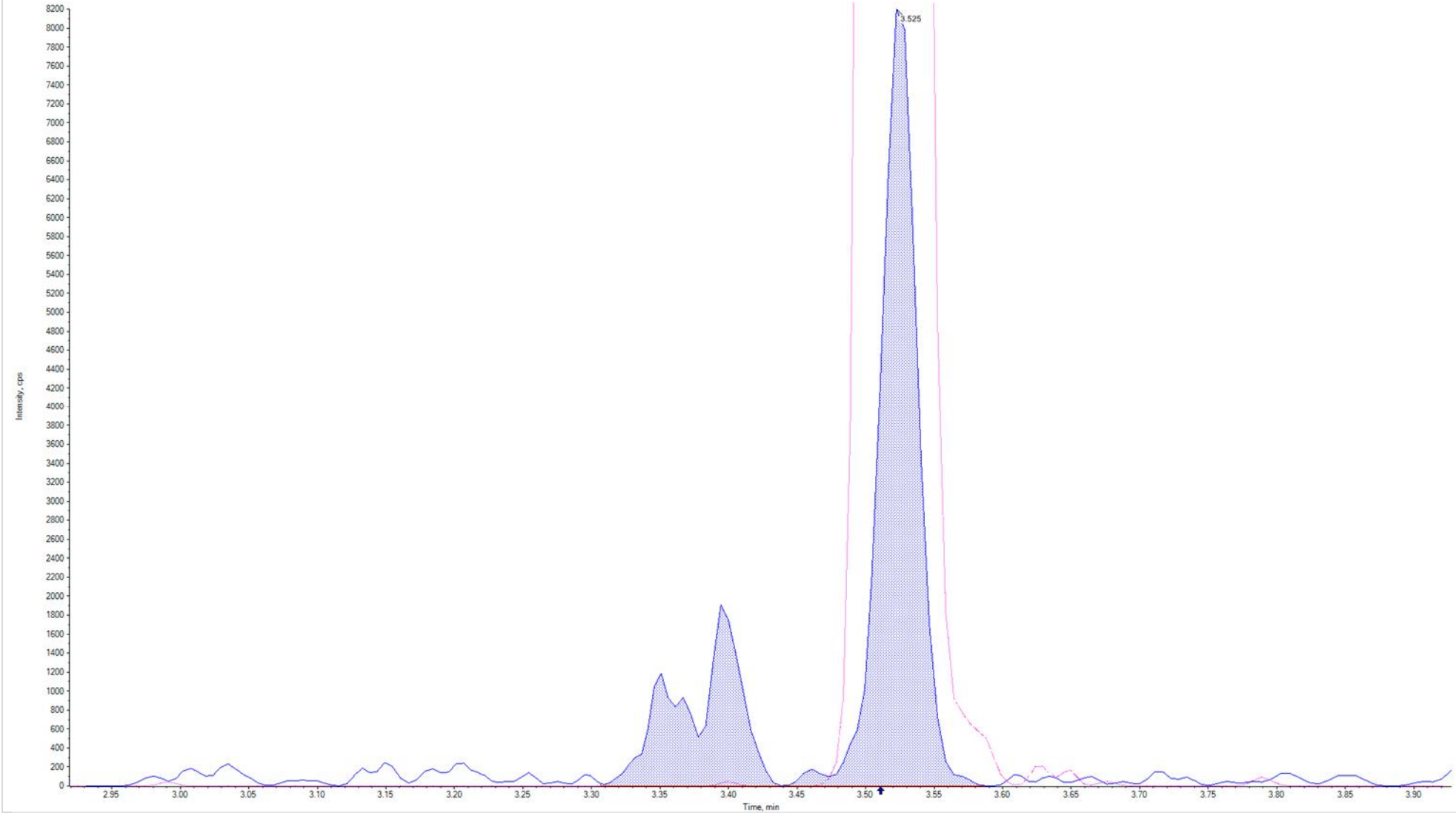
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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PFOA_2
Sample: IA1633STD-.2 S/N:91.4 Points Across peak:65



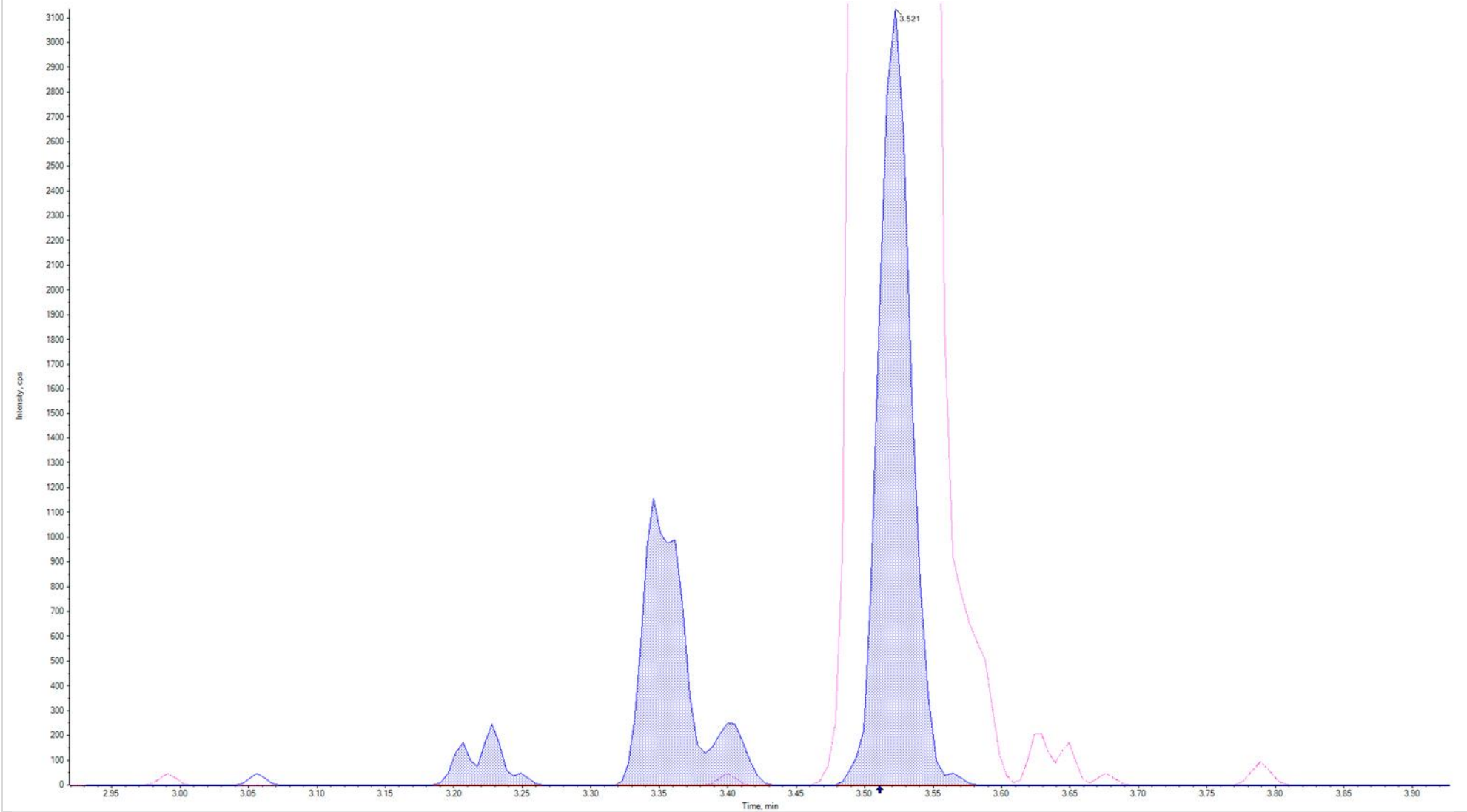
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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PFNA
Sample: IA1633STD-.2 S/N:151.4 Points Across peak:54



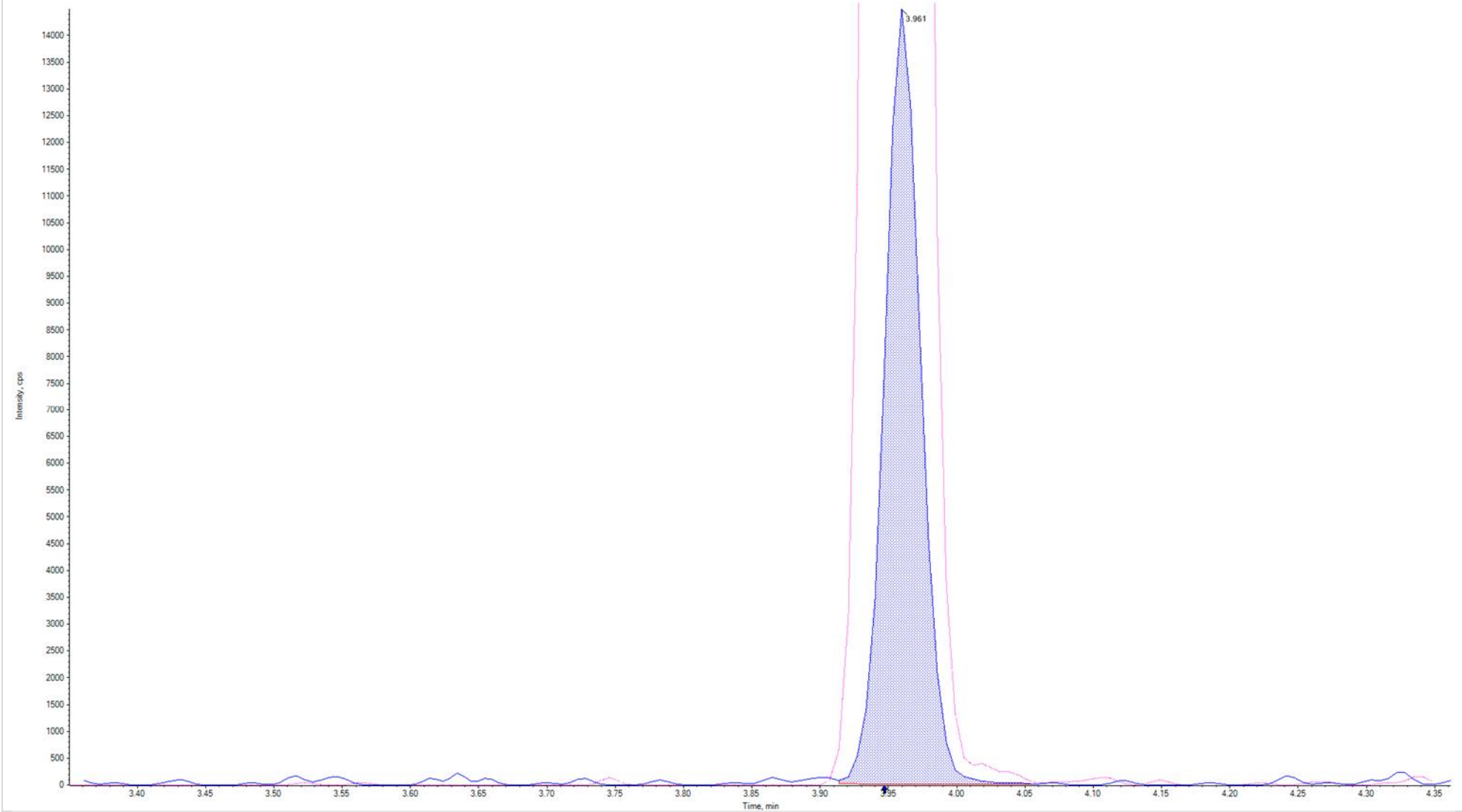
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Alpha Analytical LLC
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PFNA_2
Sample: IA1633STD-.2 S/N:70.7 Points Across peak:81



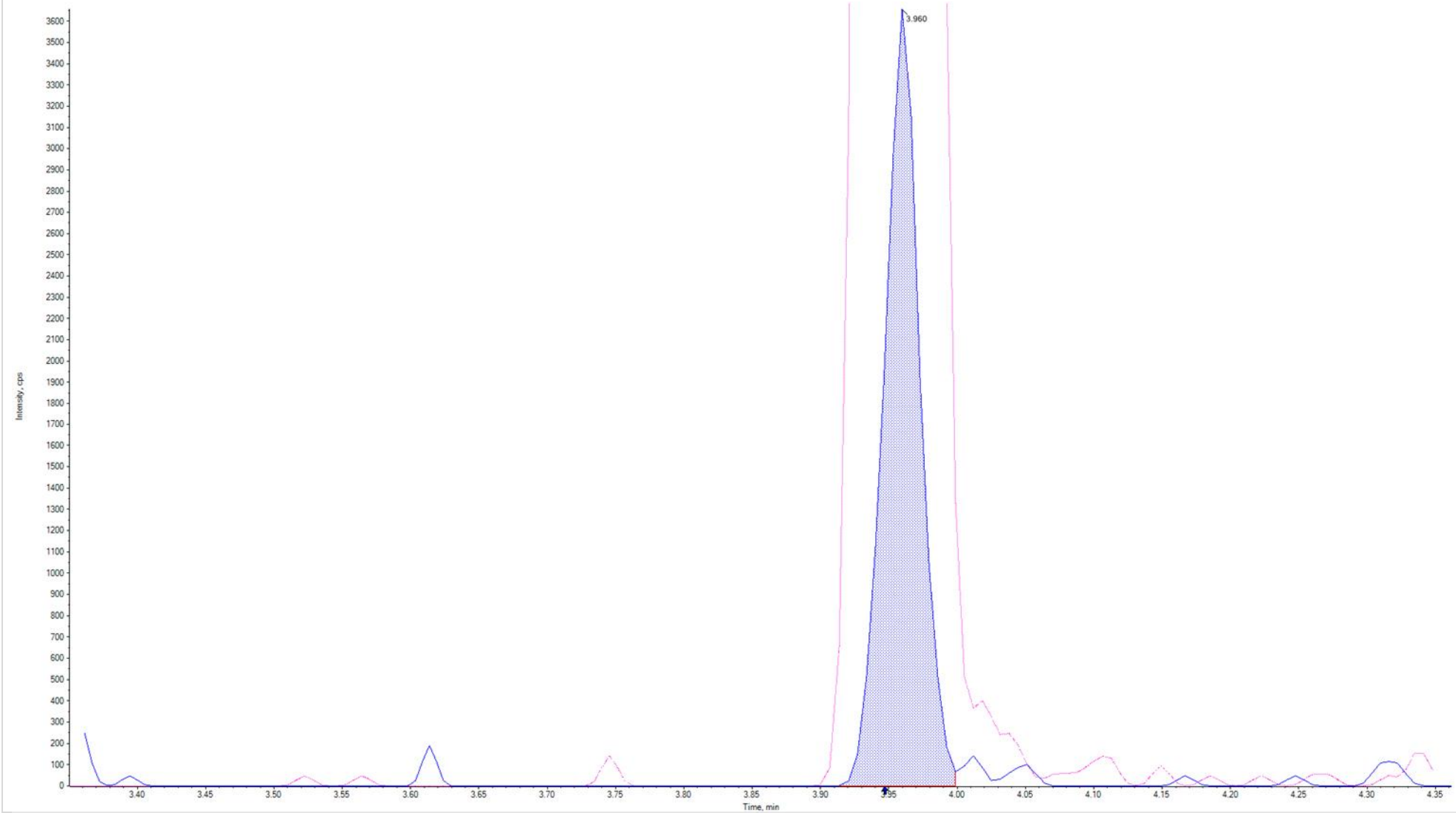
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PFDA
Sample: IA1633STD-.2 S/N:290.2 Points Across peak:23



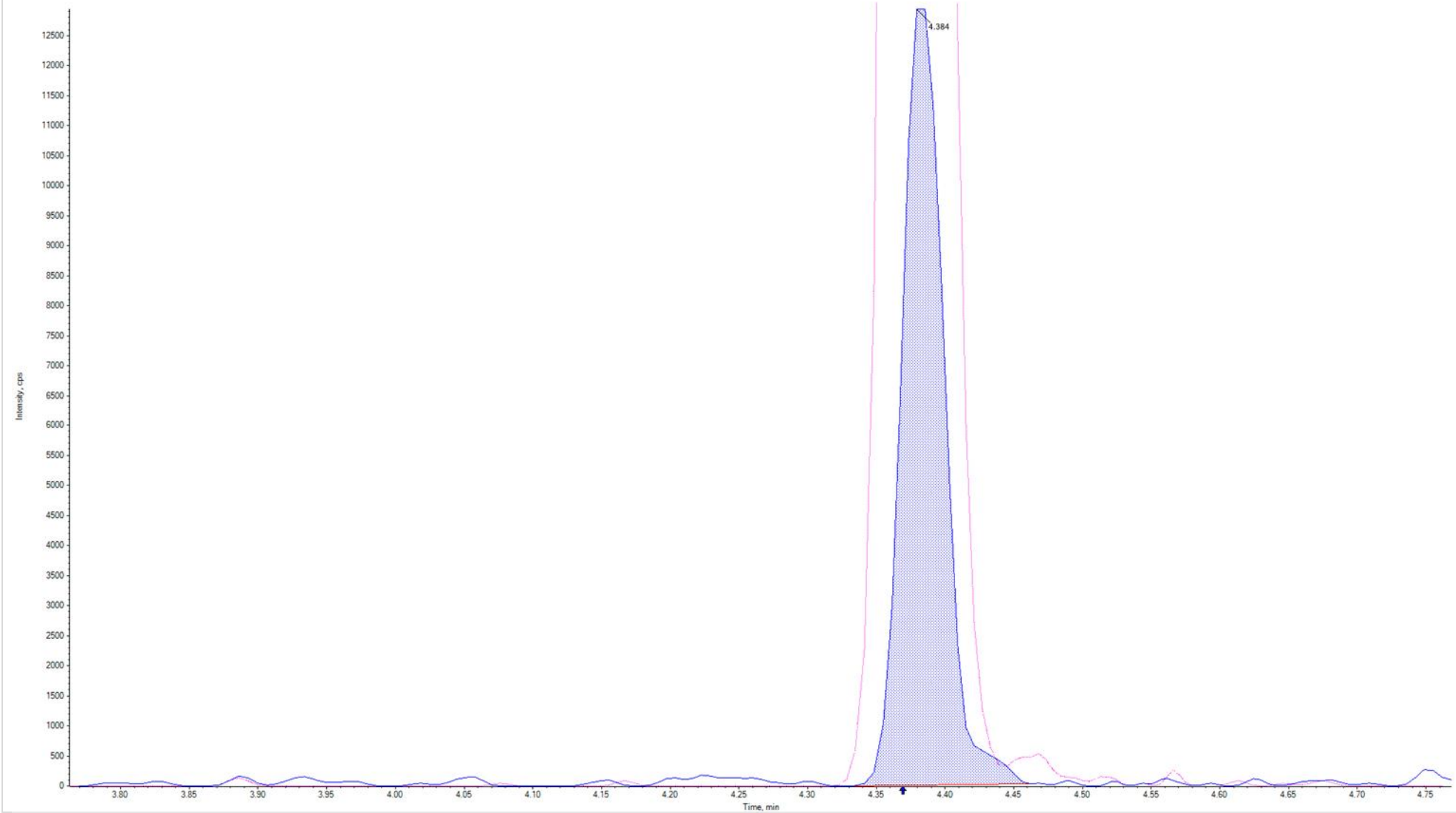
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Generated: 12/16/2024 4:06:13 PM

PFDA_2
Sample: IA1633STD-.2 S/N:73.3 Points Across peak:19



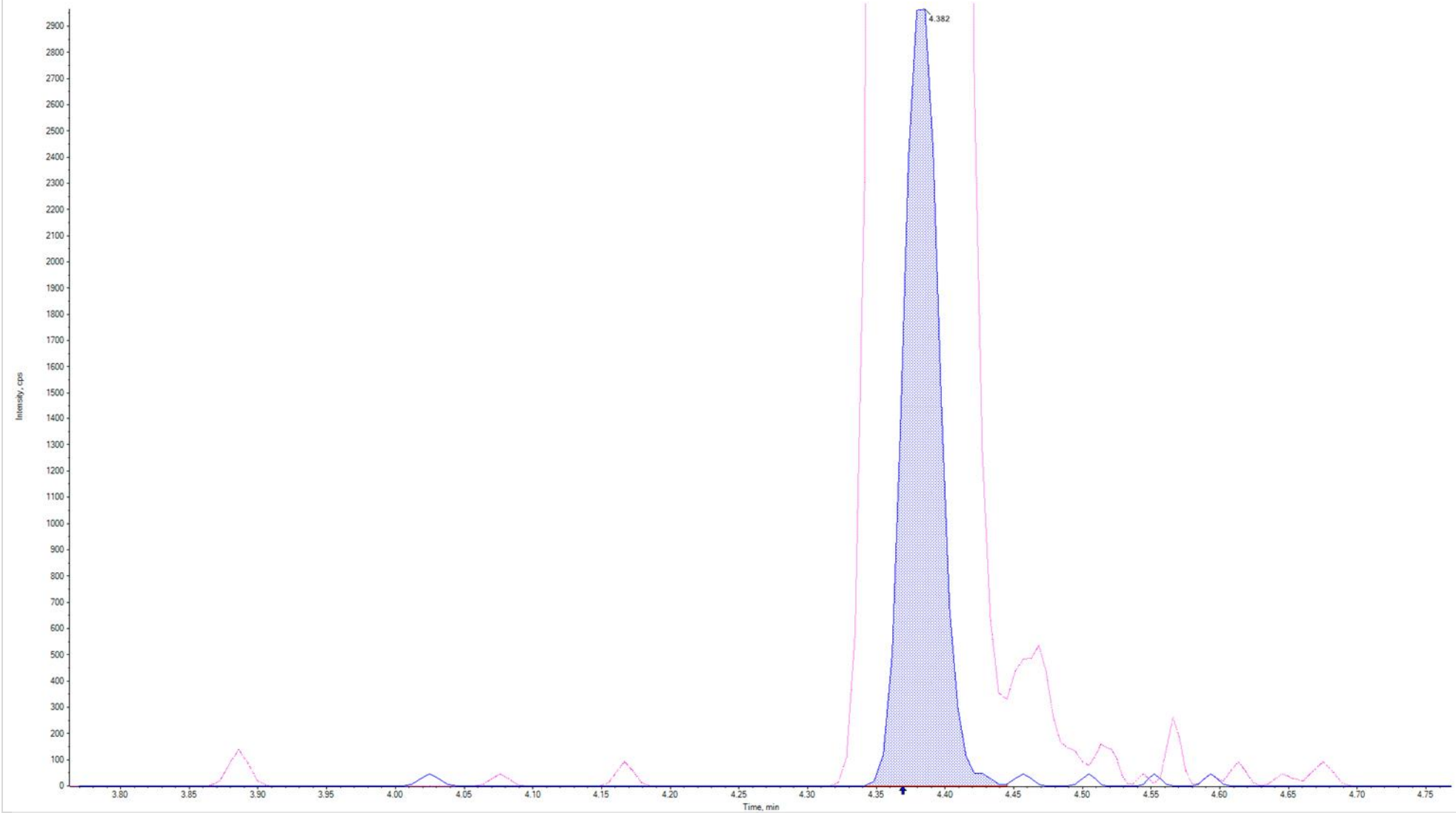
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFUnA
Sample: IA1633STD-.2 S/N:291.6 Points Across peak:23



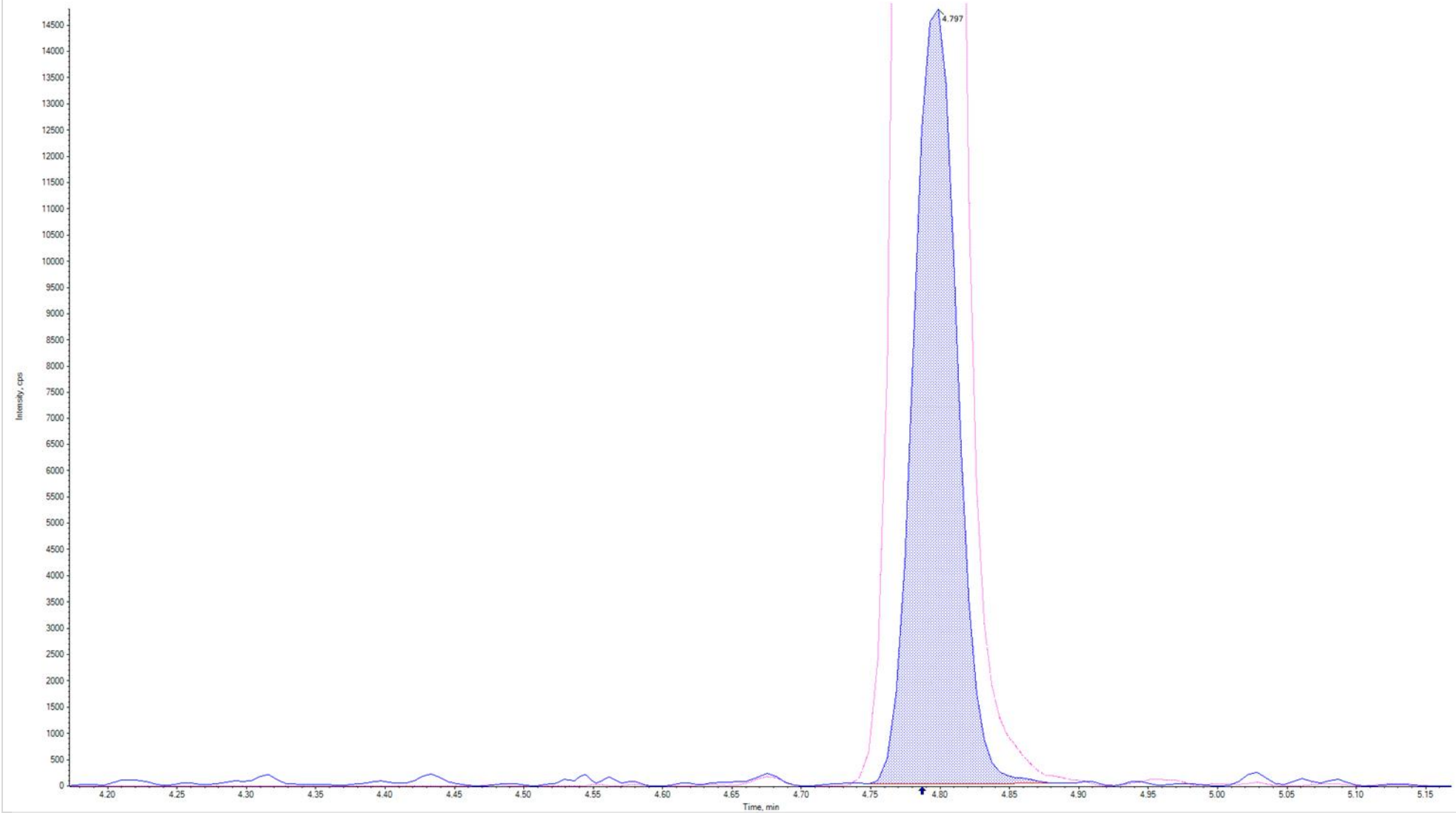
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Generated: 12/16/2024 4:06:13 PM

PFUnA_2
Sample: IA1633STD-.2 S/N:66.9 Points Across peak:20



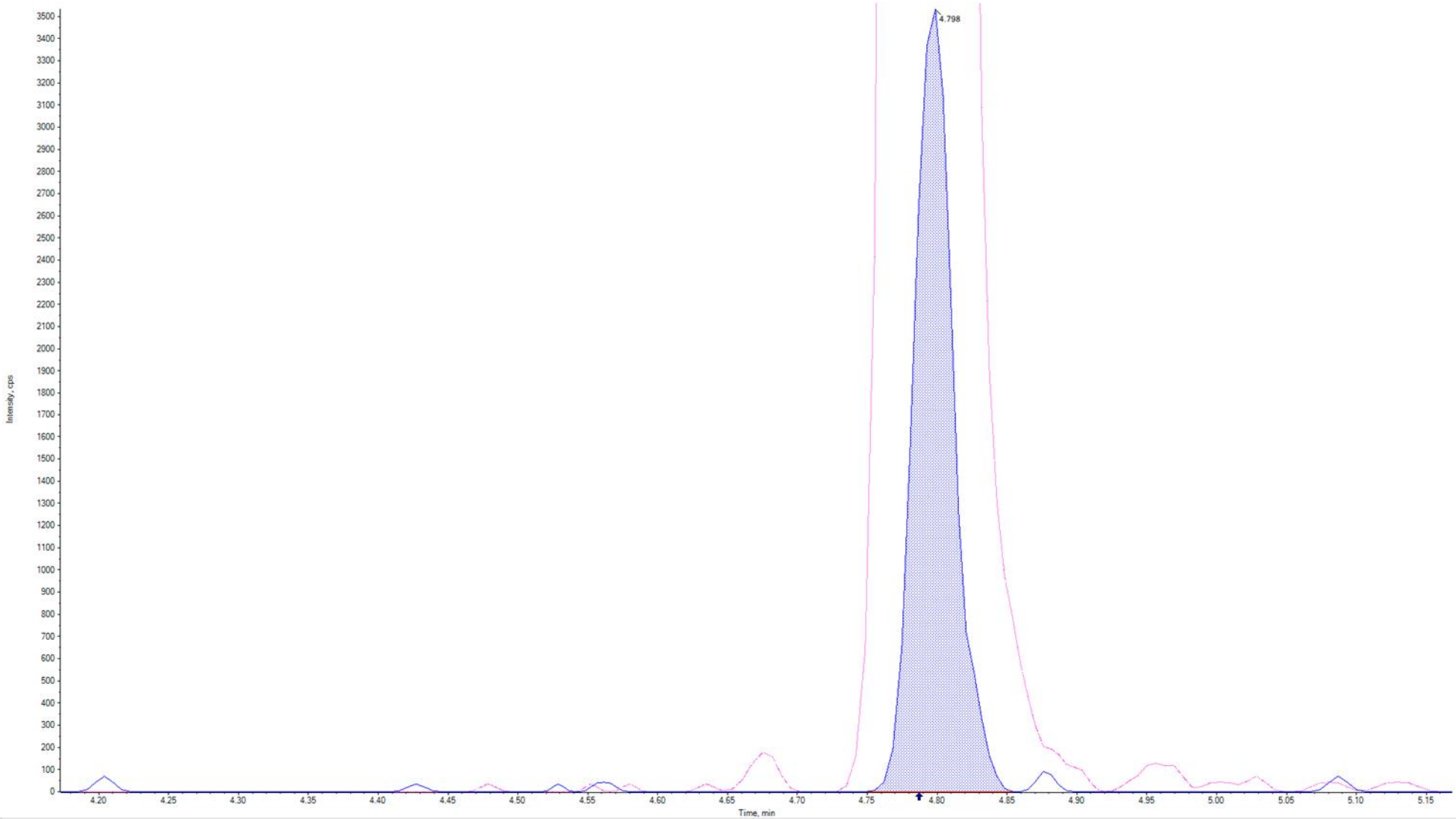
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Alpha Analytical LLC
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PFDoA
Sample: IA1633STD-.2 S/N:407.1 Points Across peak:24



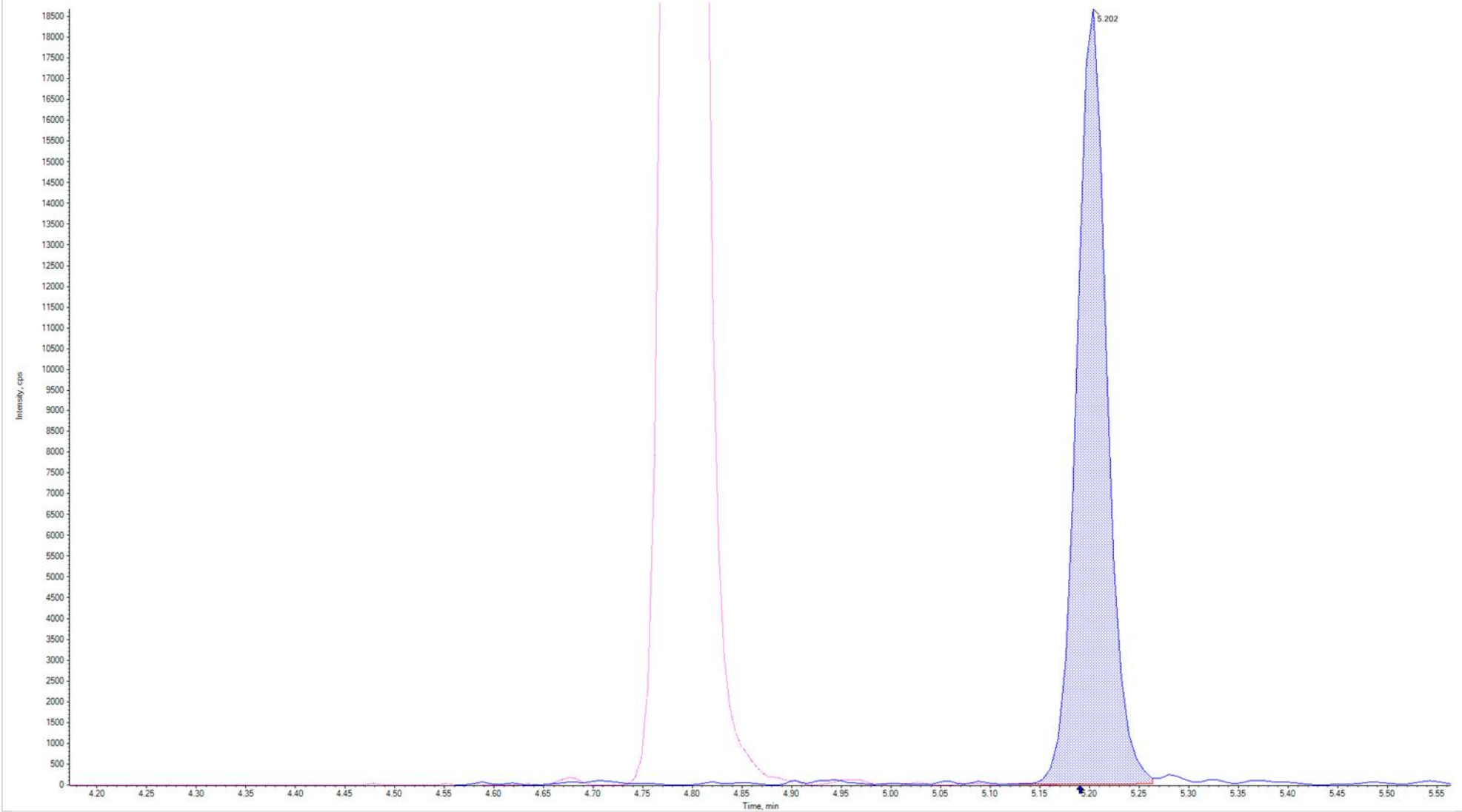
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFDoA_2
Sample: IA1633STD-.2 S/N:97.4 Points Across peak:25



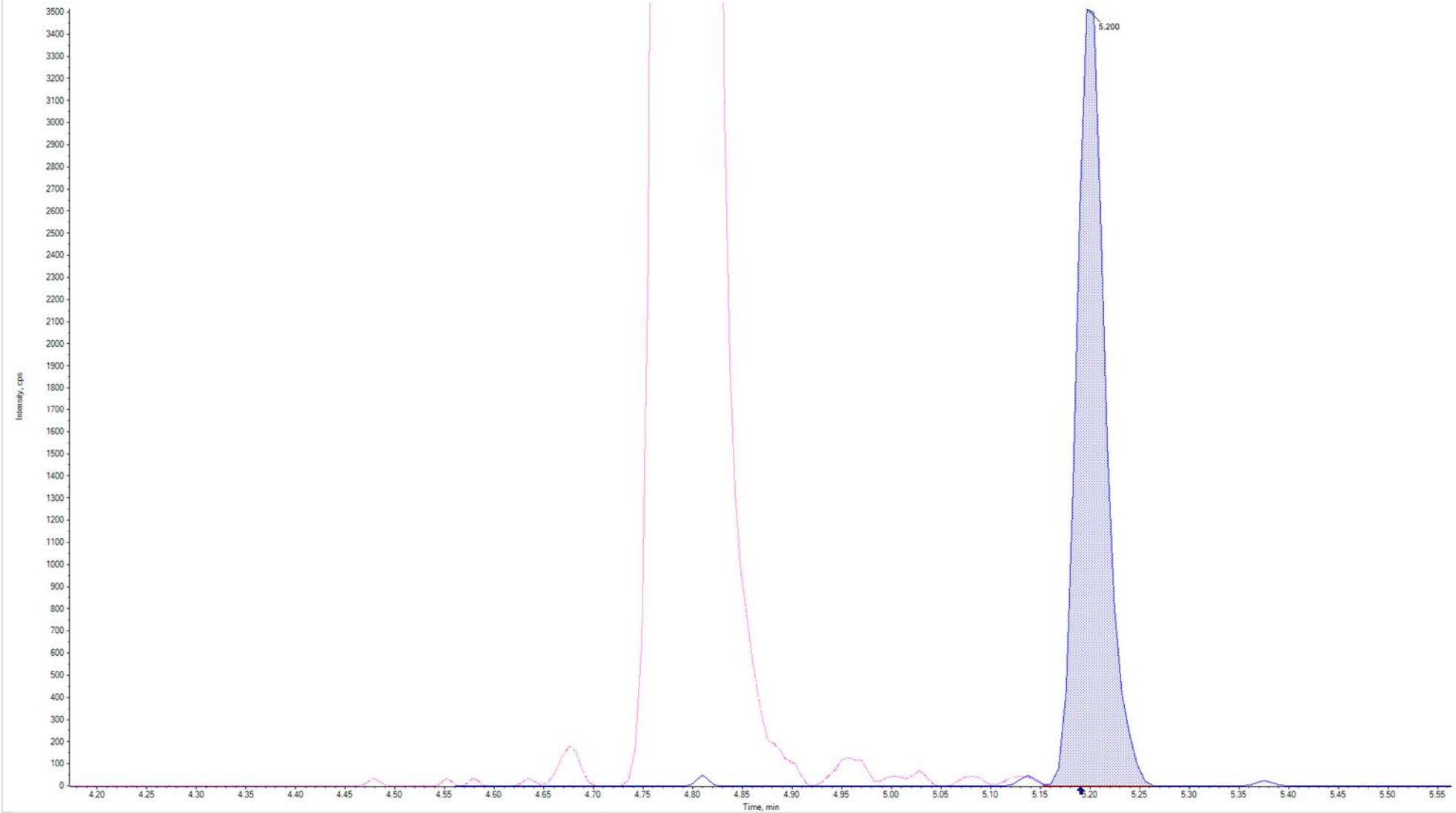
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

PFTrDA
Sample: IA1633STD-.2 S/N:748.0 Points Across peak:20



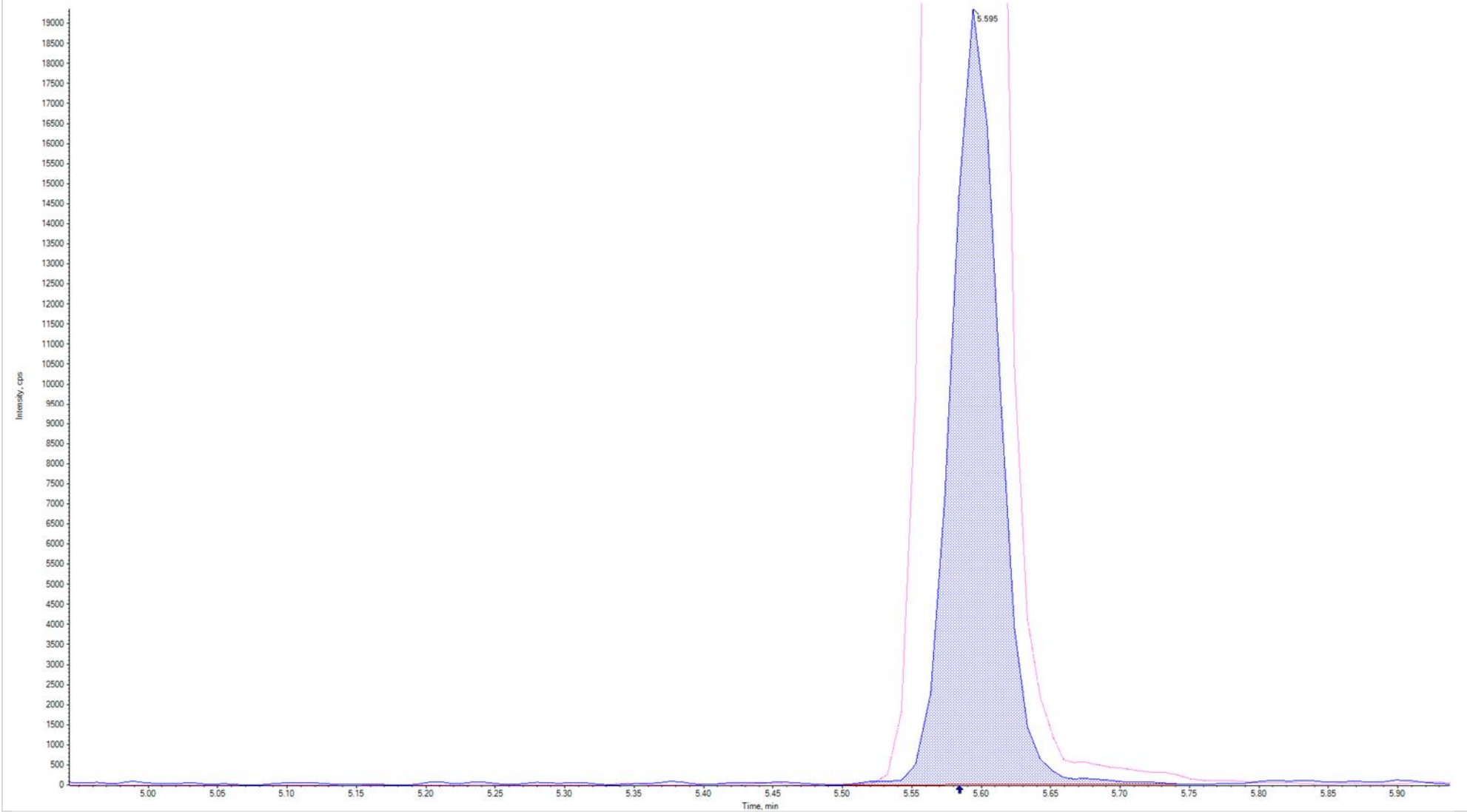
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

PFTrDA_2
Sample: IA1633STD-.2 S/N:140.9 Points Across peak:21



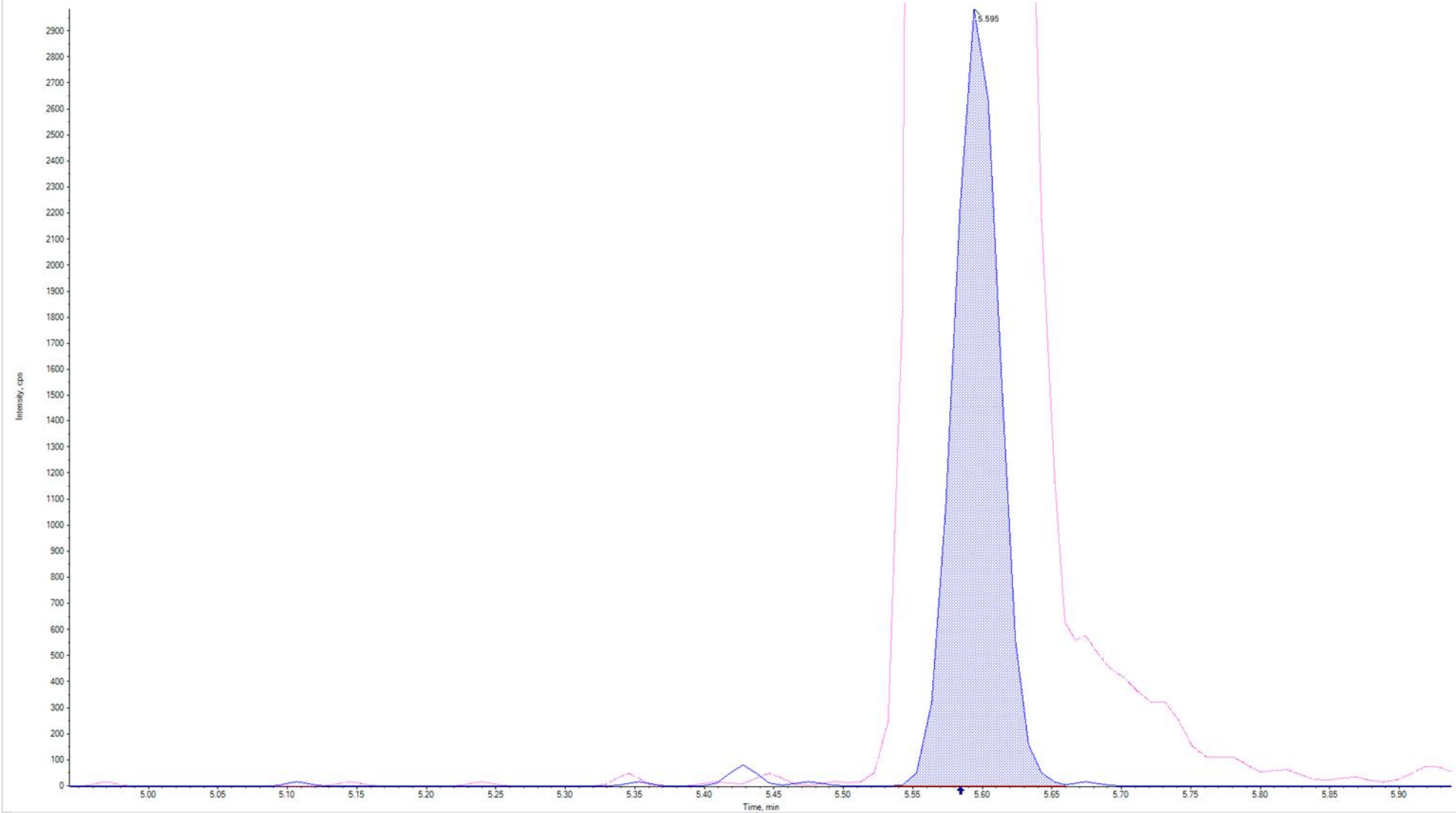
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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PFTeDA
Sample: IA1633STD-.2 S/N:1212.2 Points Across peak:28



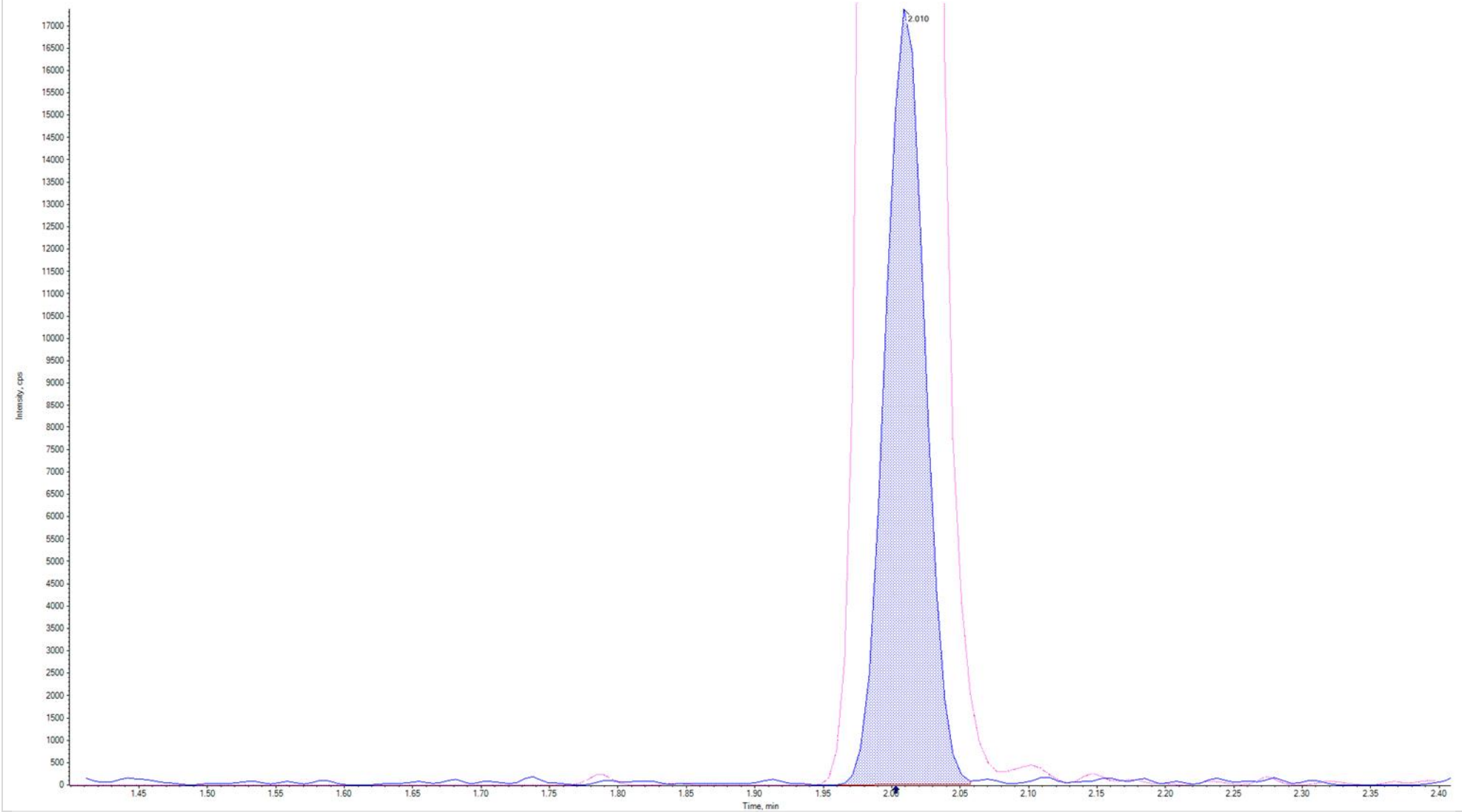
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Alpha Analytical LLC
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PFTeDA_2
Sample: IA1633STD-.2 S/N:186.9 Points Across peak:15



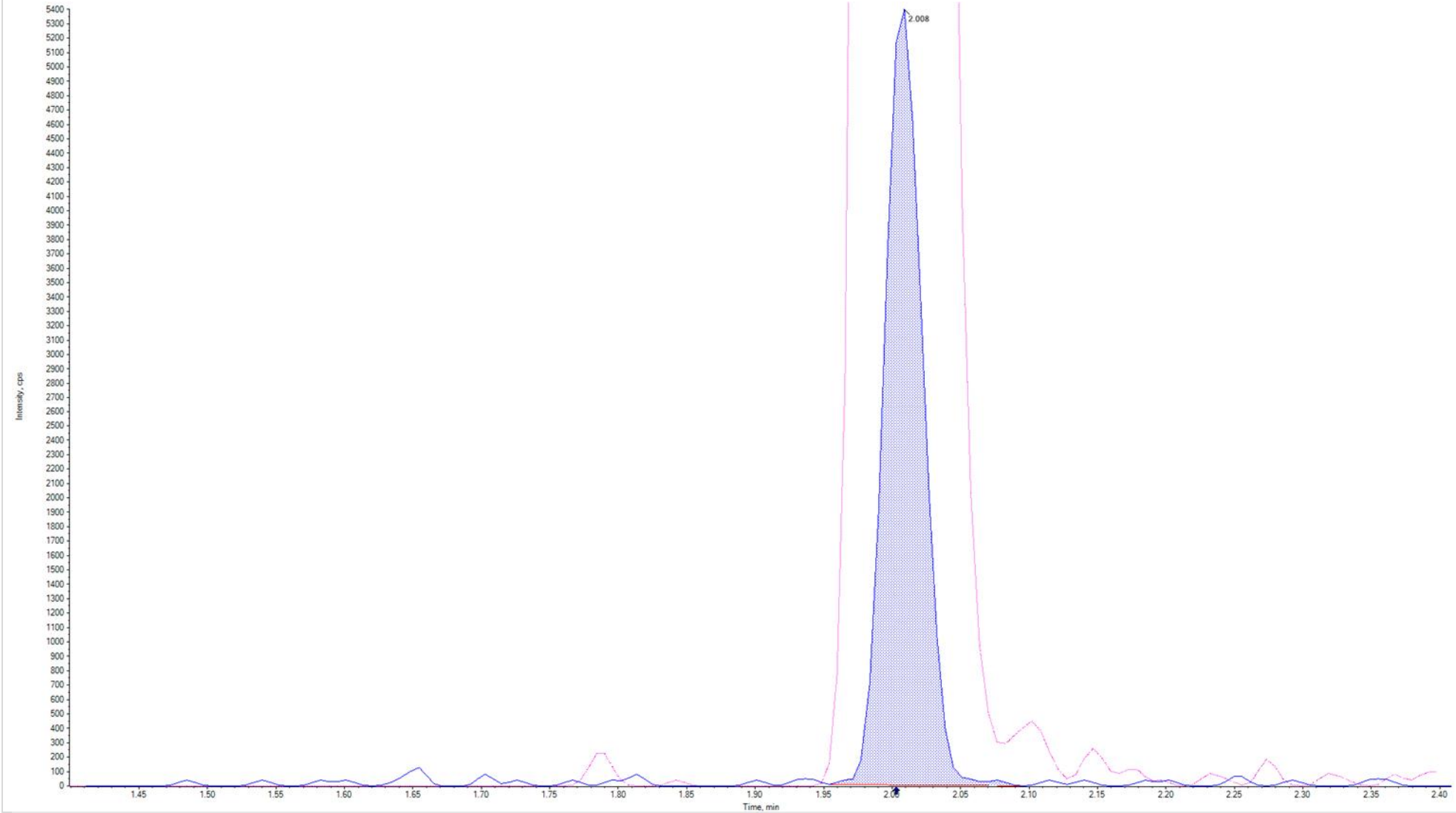
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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PFBS
Sample: IA1633STD-.2 S/N:435.2 Points Across peak:18



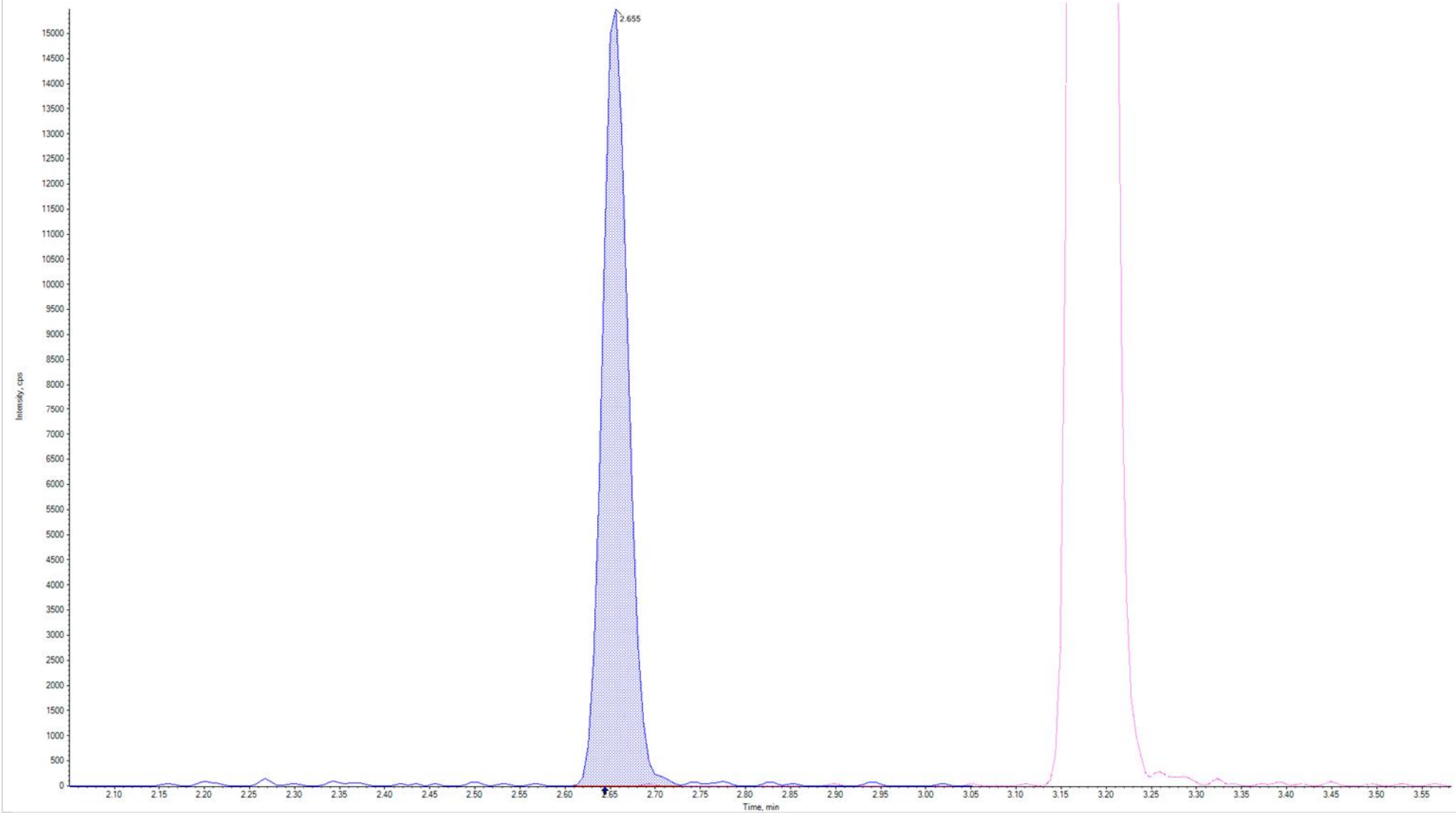
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Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

PFBS_2
Sample: IA1633STD-.2 S/N:135.2 Points Across peak:24



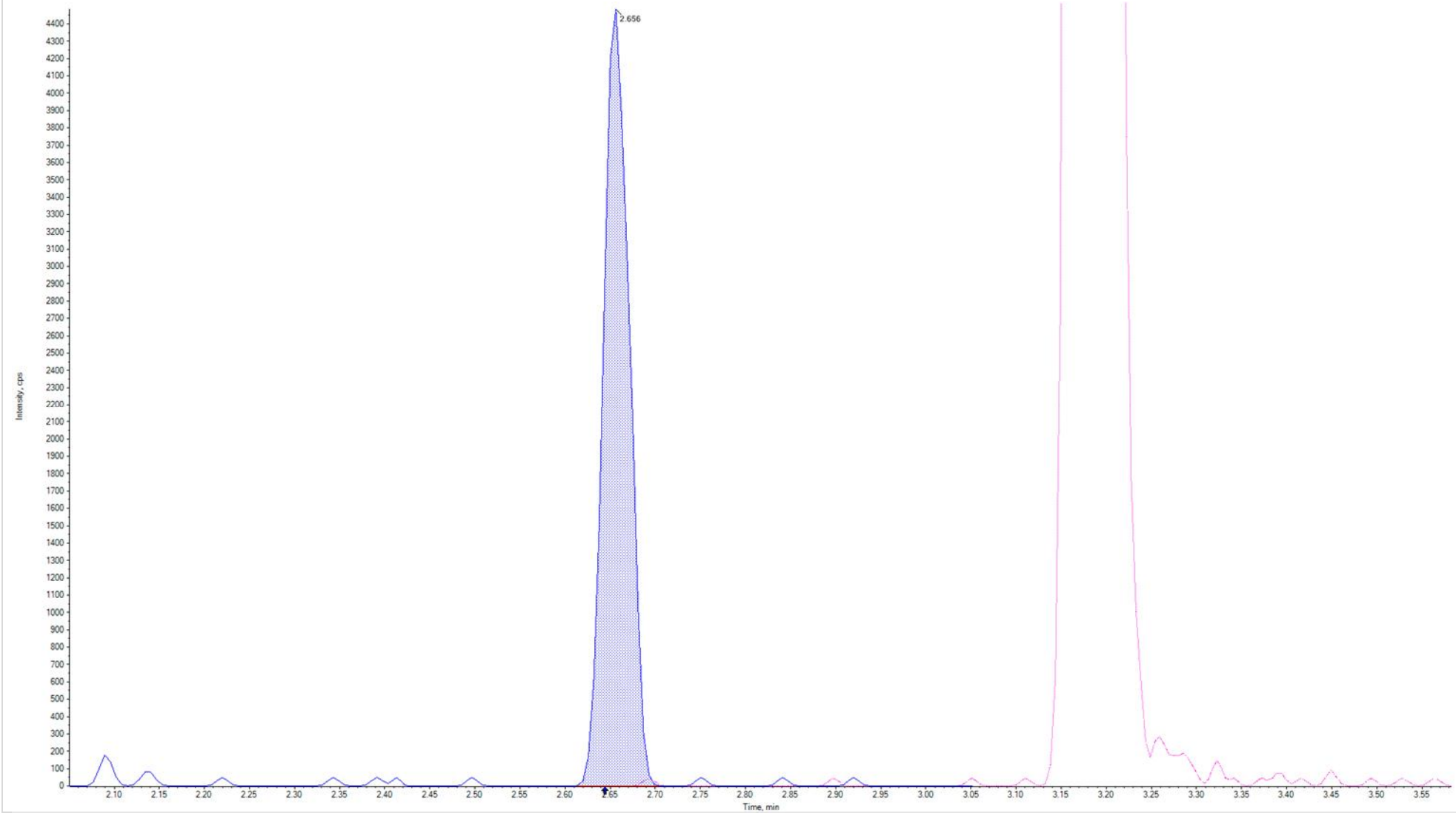
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Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

PFPeS
Sample: IA1633STD-.2 S/N:310.6 Points Across peak:23



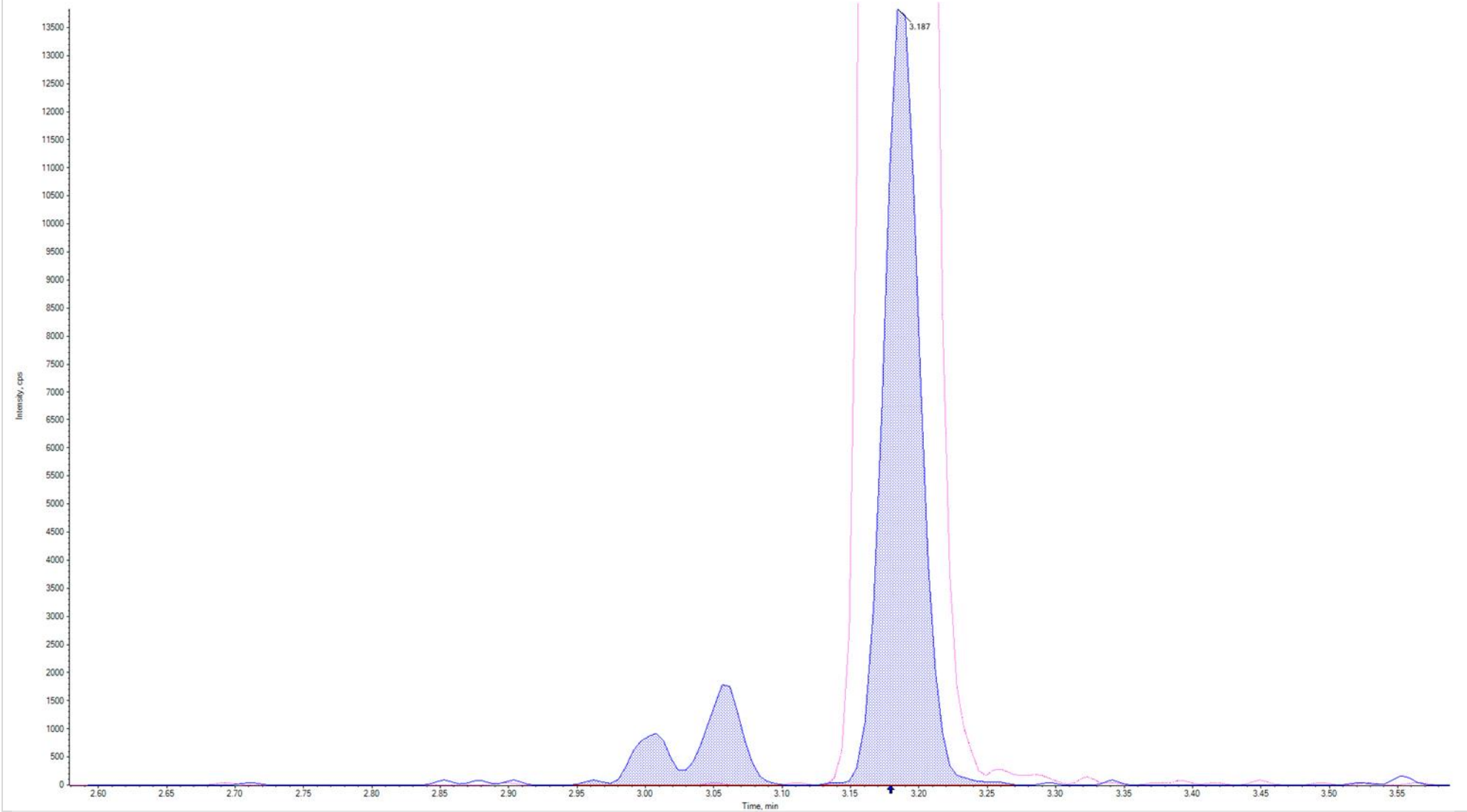
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Alpha Analytical LLC
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PFPeS_2
Sample: IA1633STD-.2 S/N:89.9 Points Across peak:22



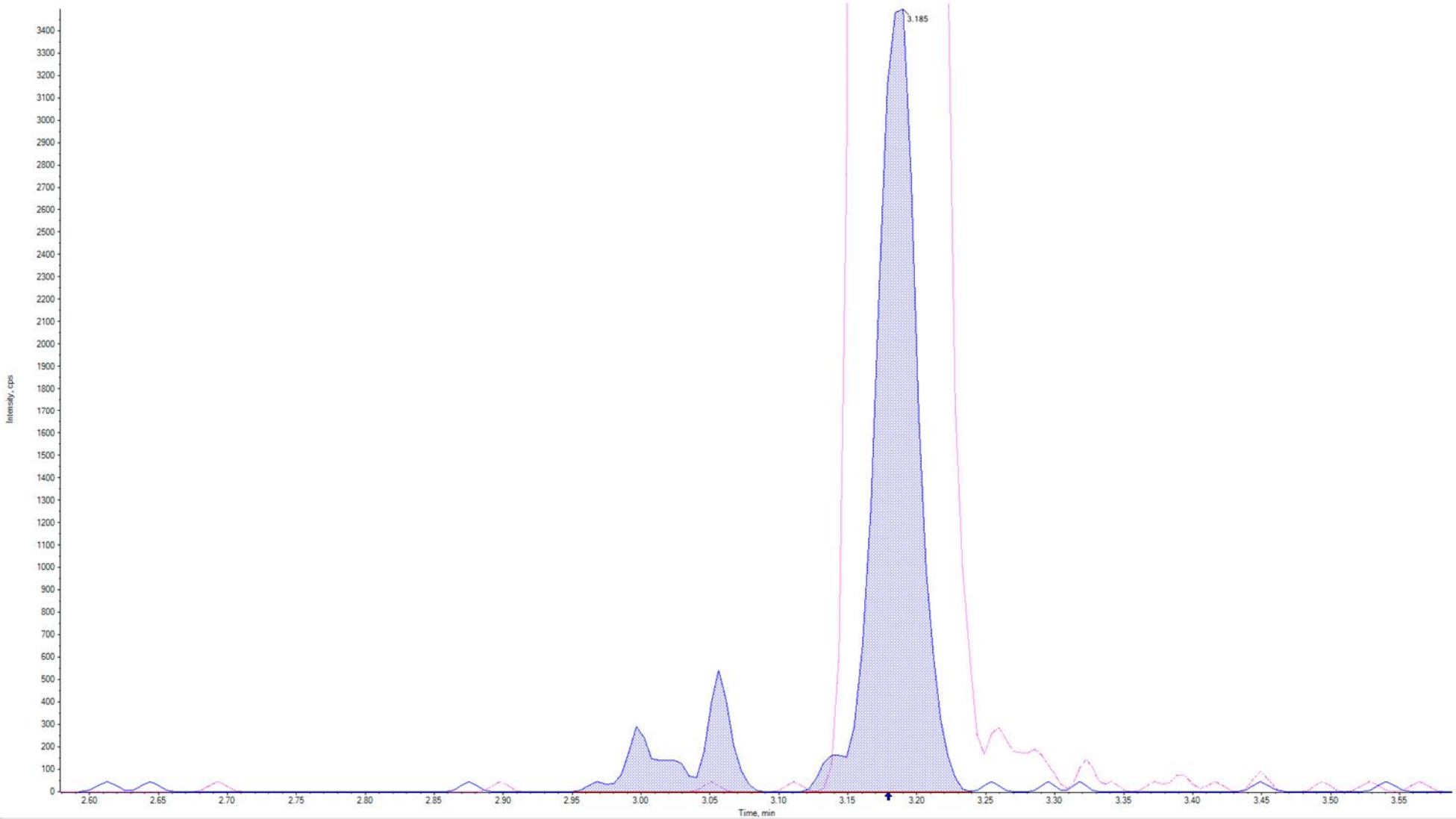
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Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

PFHxS
Sample: IA1633STD-.2 S/N:311.9 Points Across peak:65



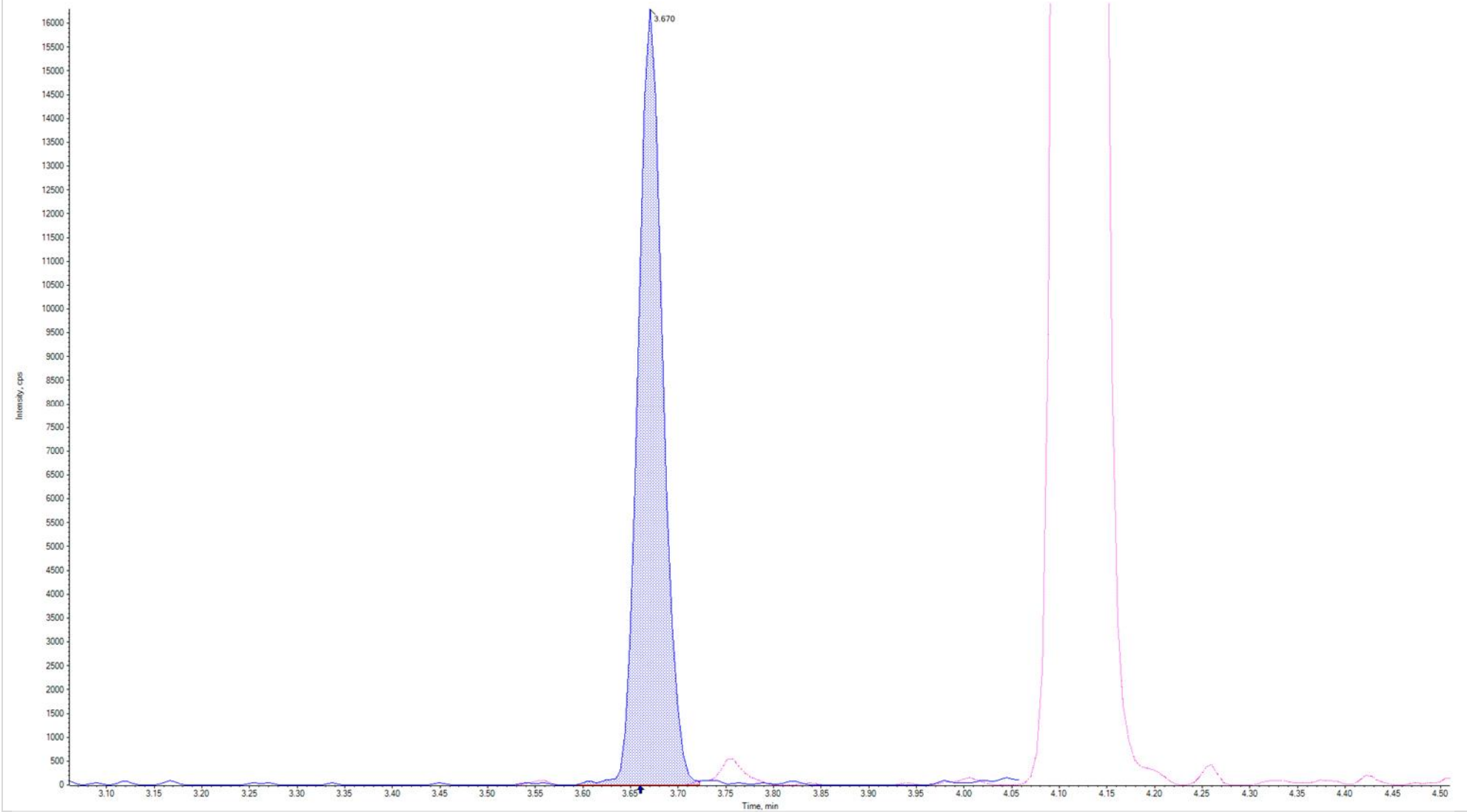
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_12.wiff2_2
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Generated: 12/16/2024 4:06:13 PM

PFHxS_2
Sample: IA1633STD-.2 S/N:78.9 Points Across peak:56



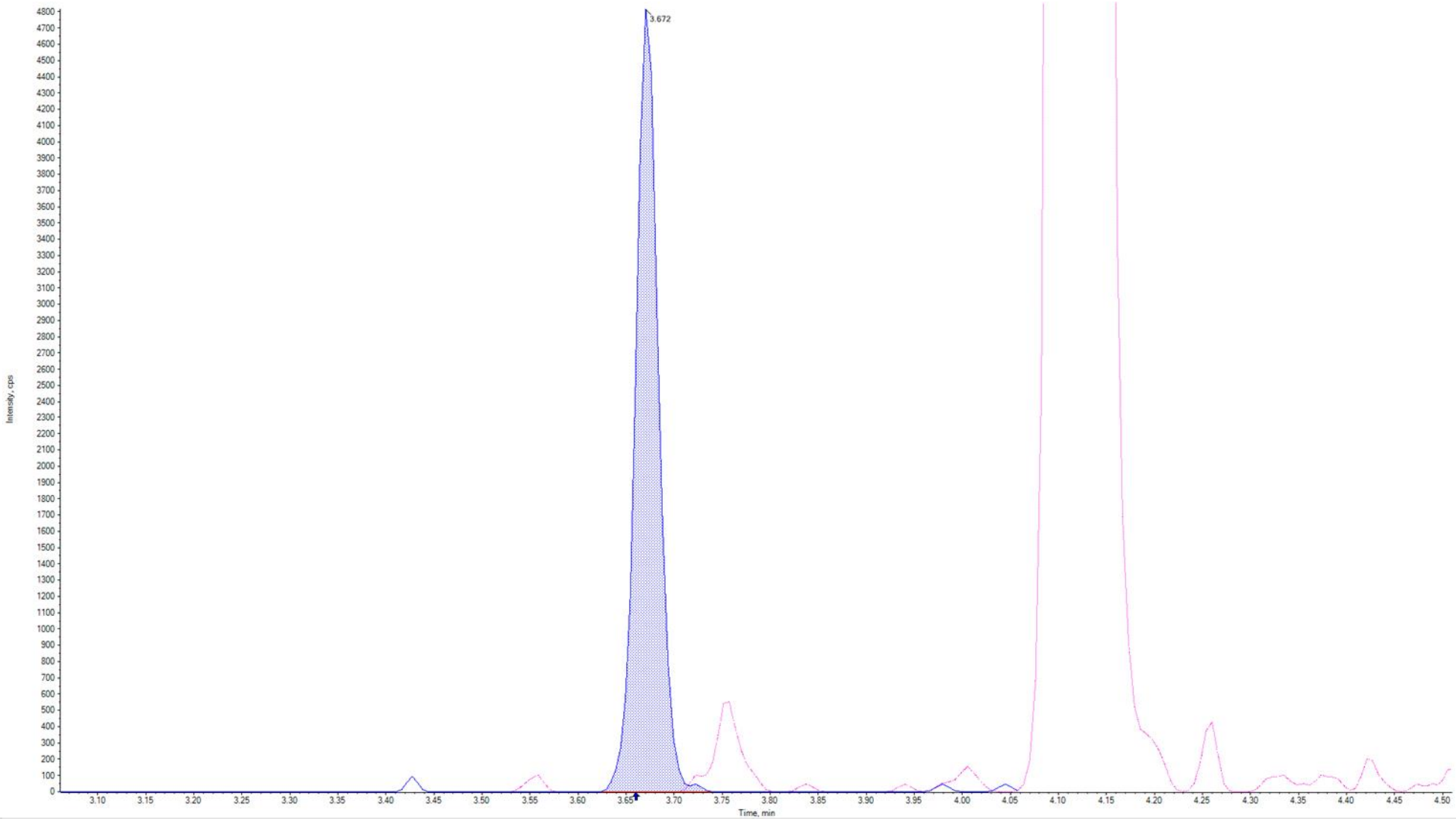
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFHpS
Sample: IA1633STD-.2 S/N:326.8 Points Across peak:27



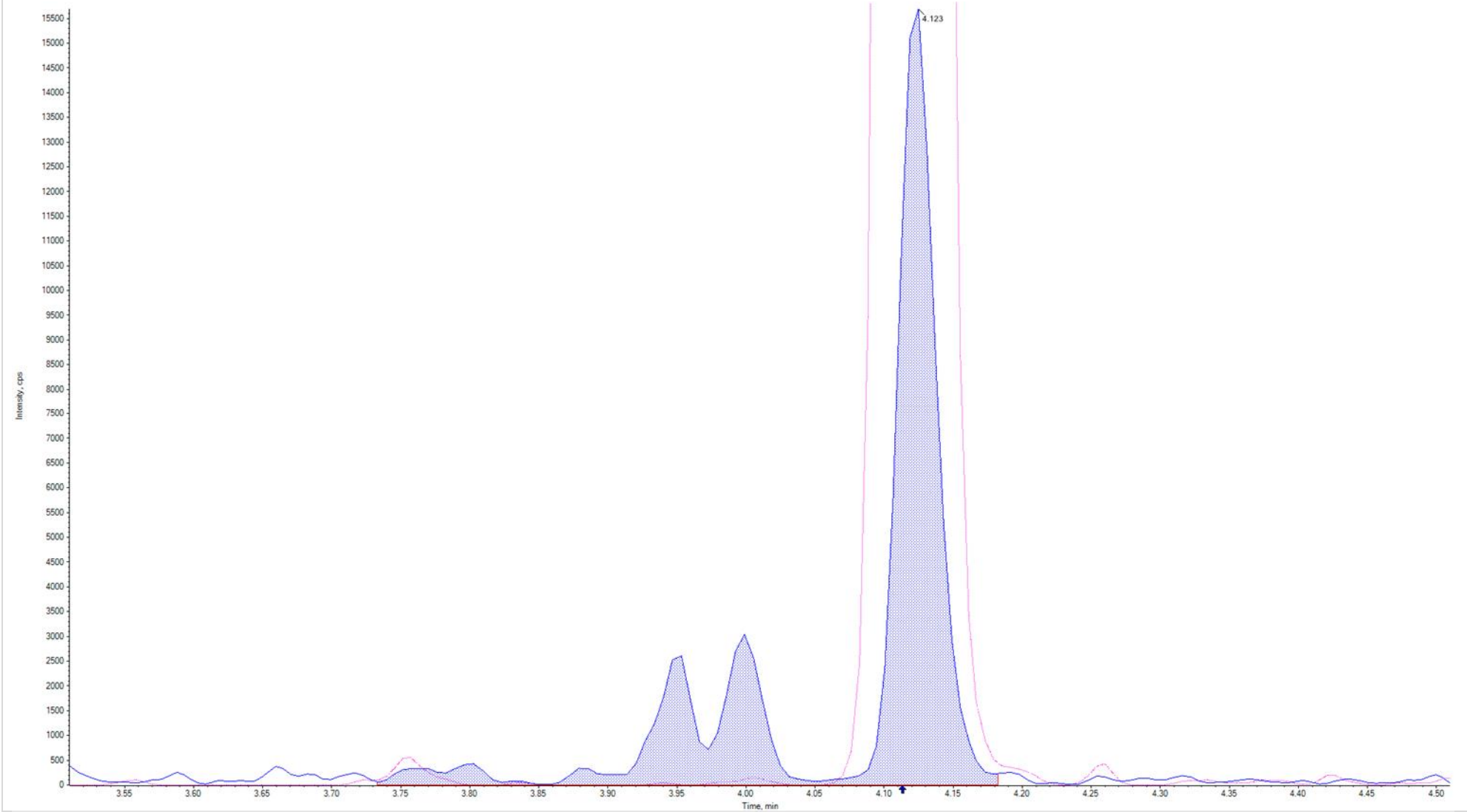
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFHpS_2
Sample: IA1633STD-.2 S/N:96.6 Points Across peak:32



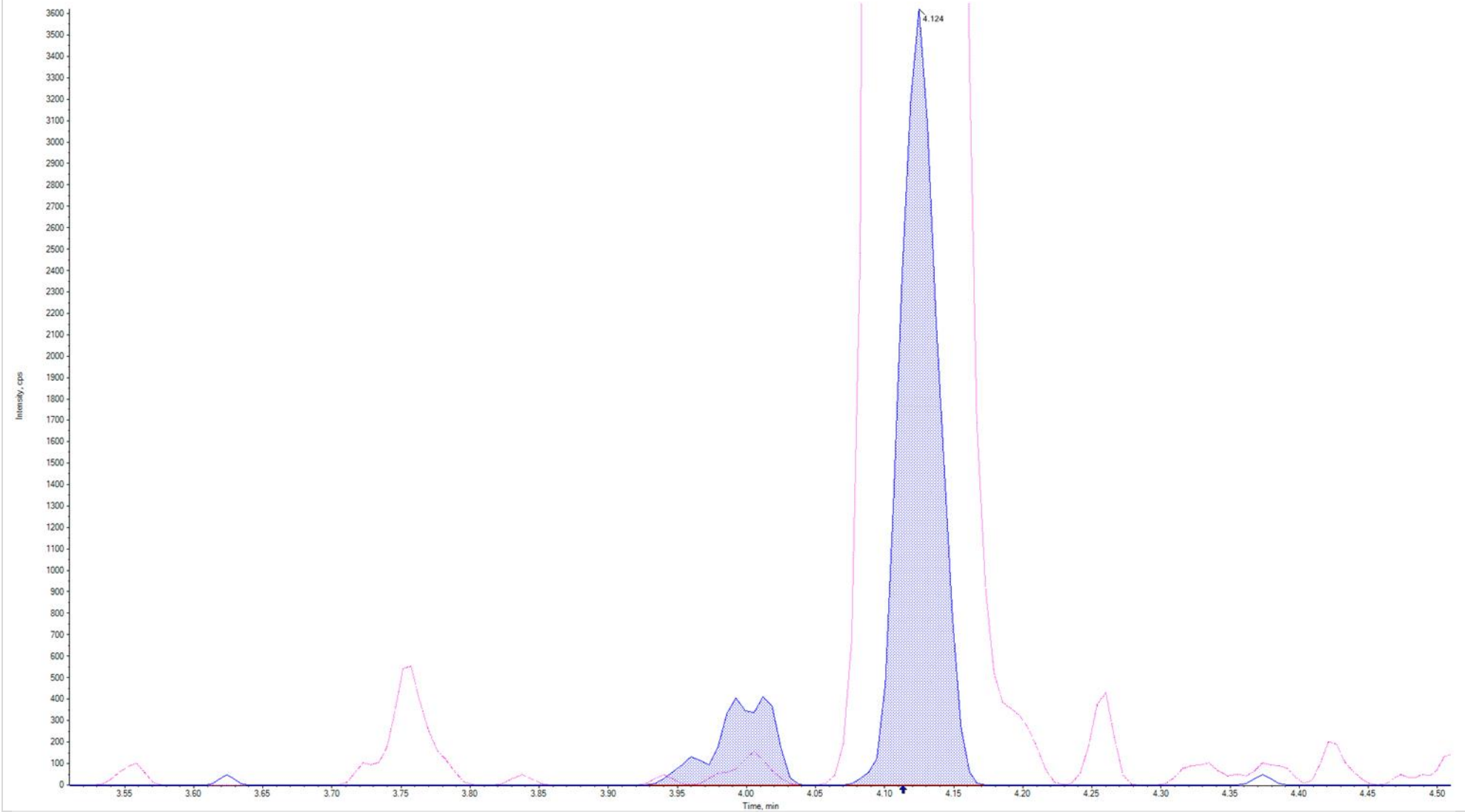
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFOS
Sample: IA1633STD-.2 S/N:161.2 Points Across peak:72



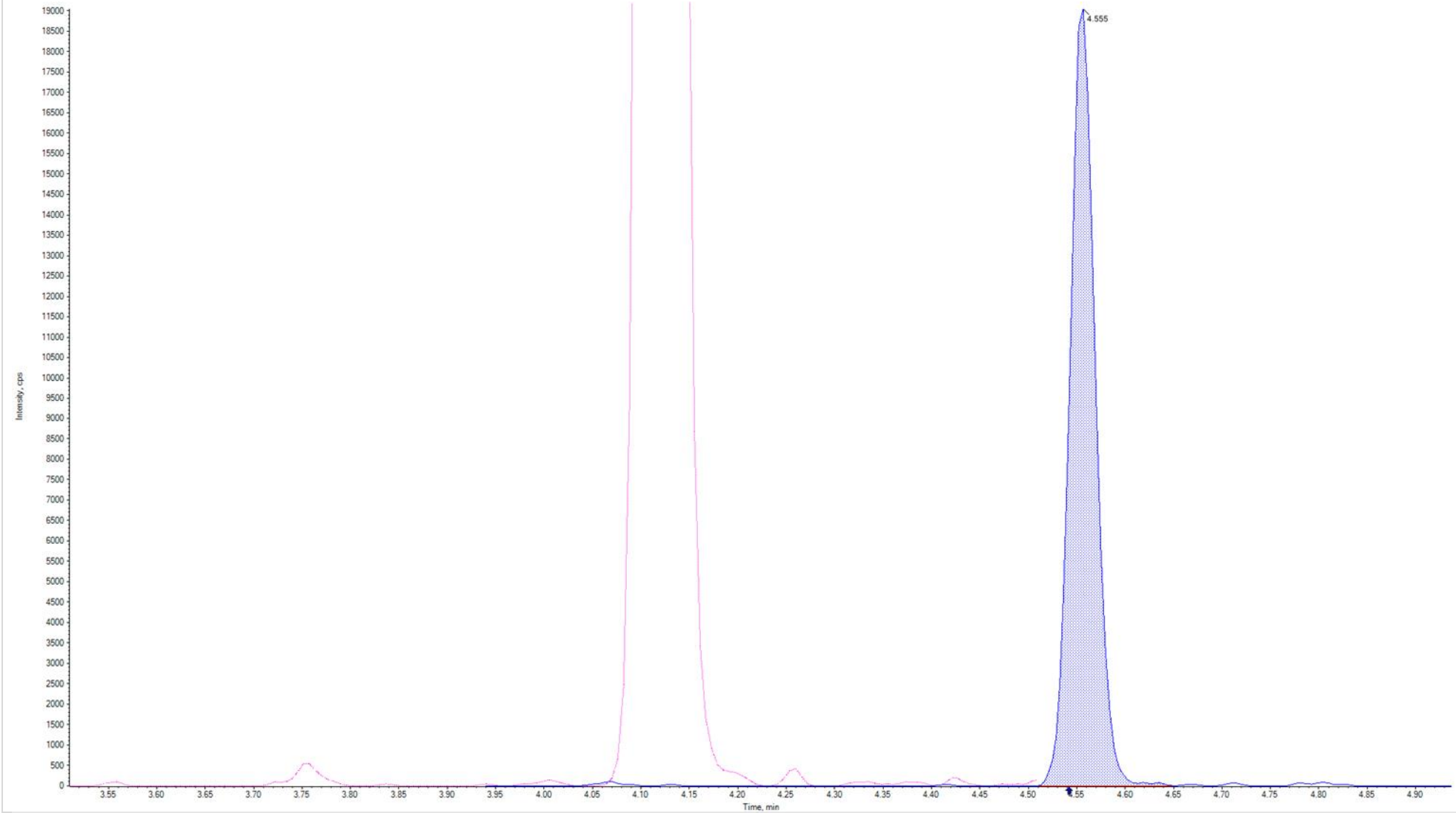
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

PFOS_2
Sample: IA1633STD-.2 S/N:72.6 Points Across peak:42



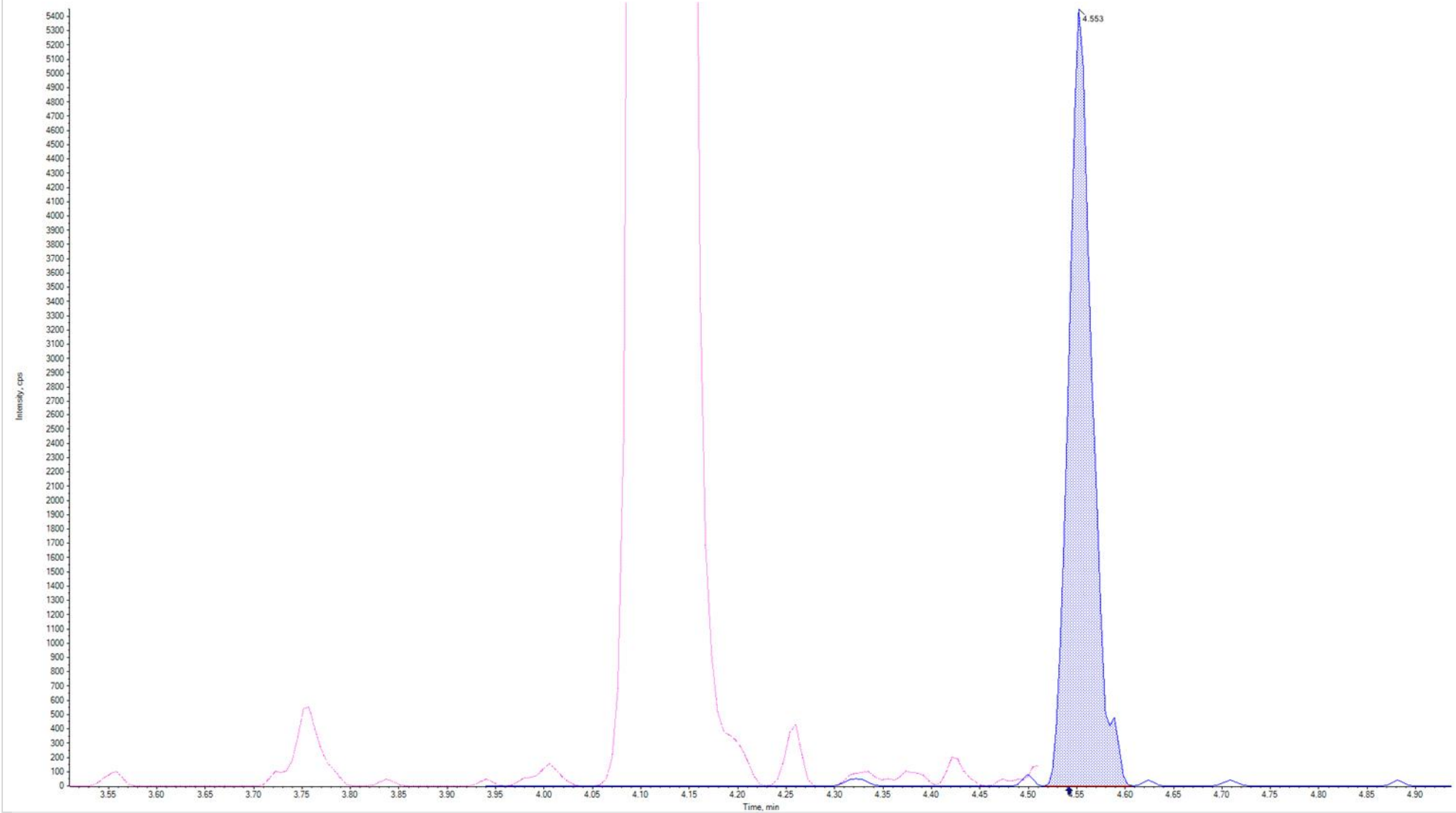
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_12.wiff2_2
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFNS
Sample: IA1633STD-.2 S/N:477.3 Points Across peak:35



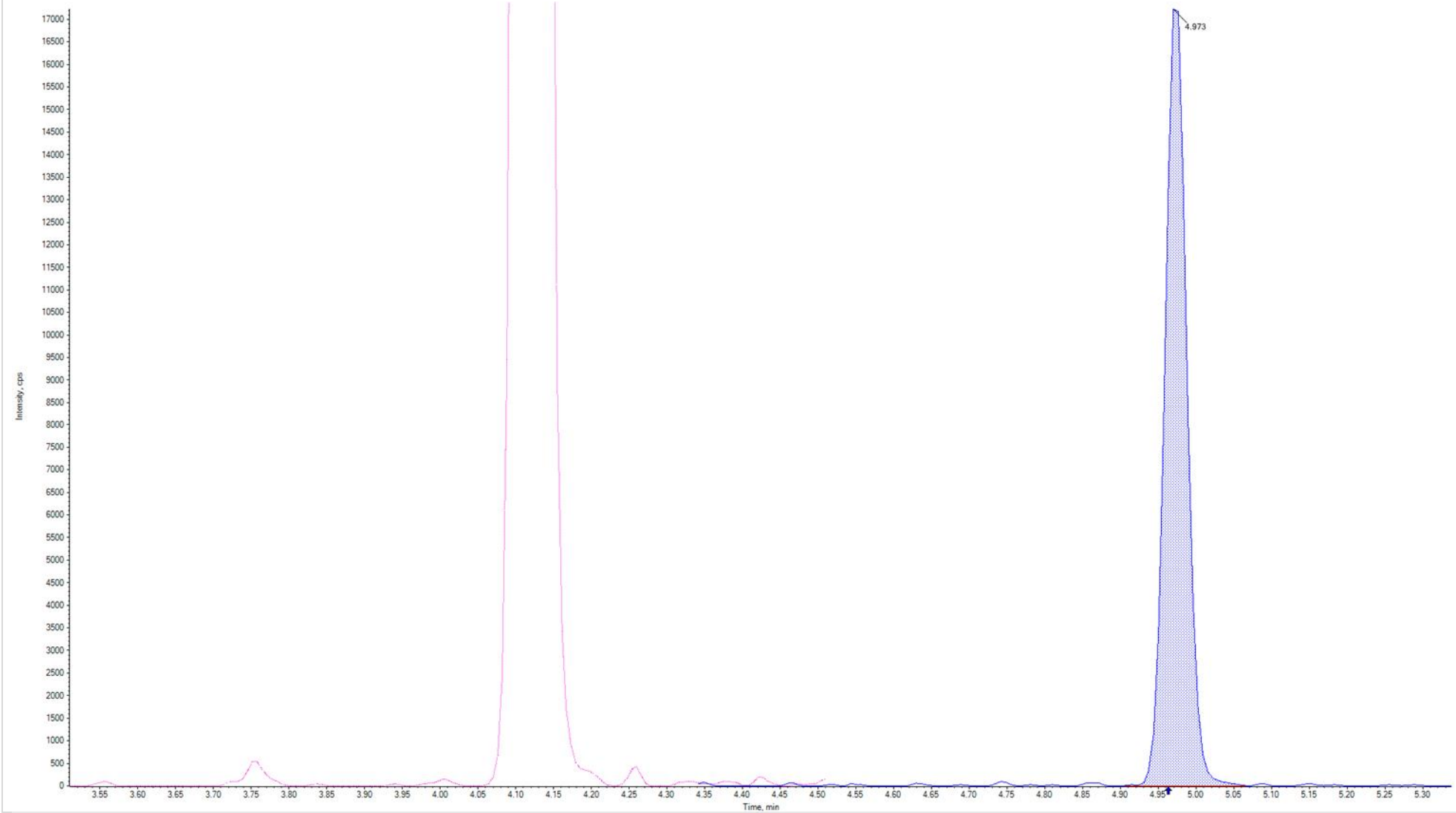
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_12.wiff2_2
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFNS_2
Sample: IA1633STD-.2 S/N:136.6 Points Across peak:23



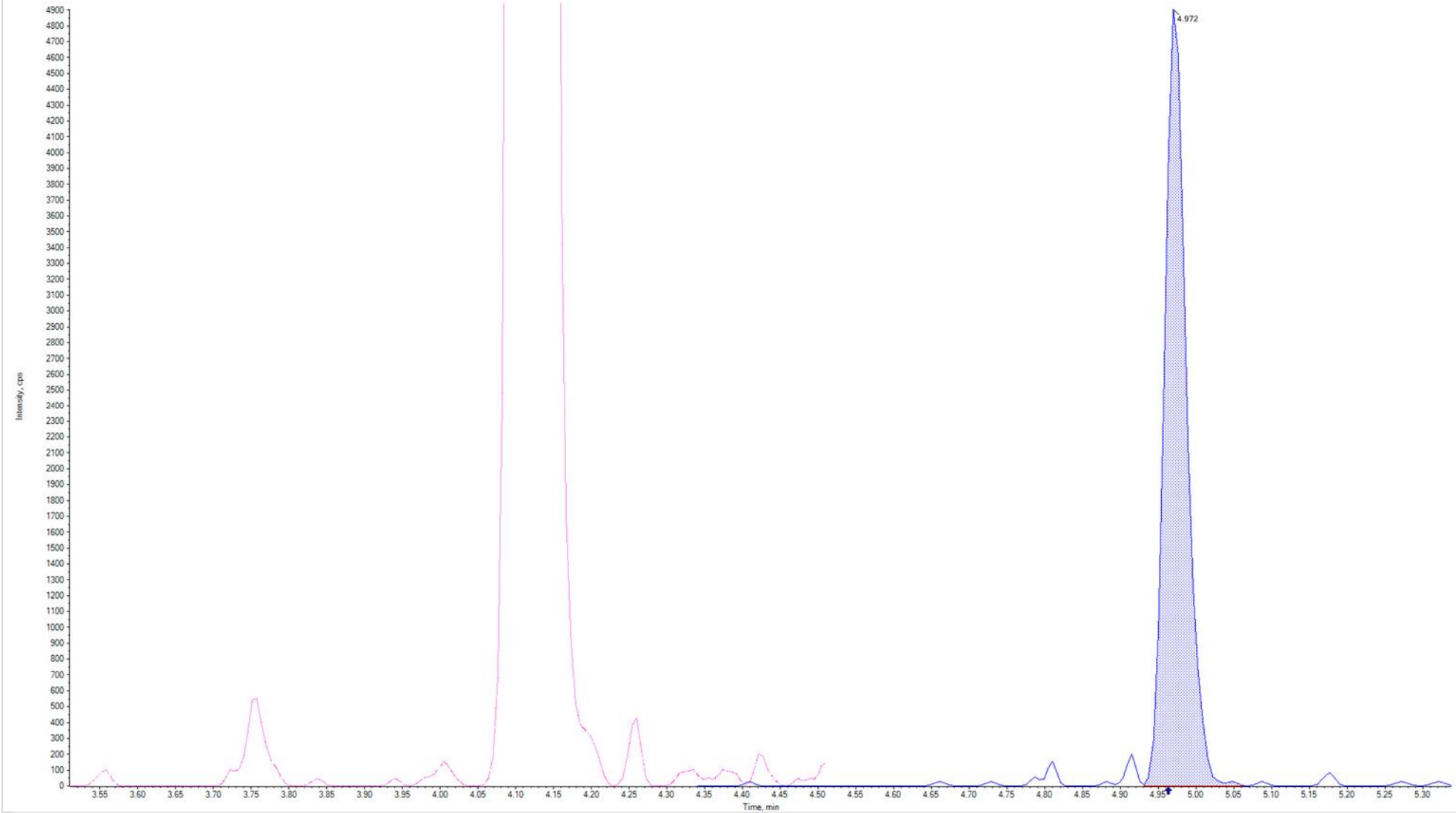
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_12.wiff2_2
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFDS
Sample: IA1633STD-.2 S/N:604.4 Points Across peak:29



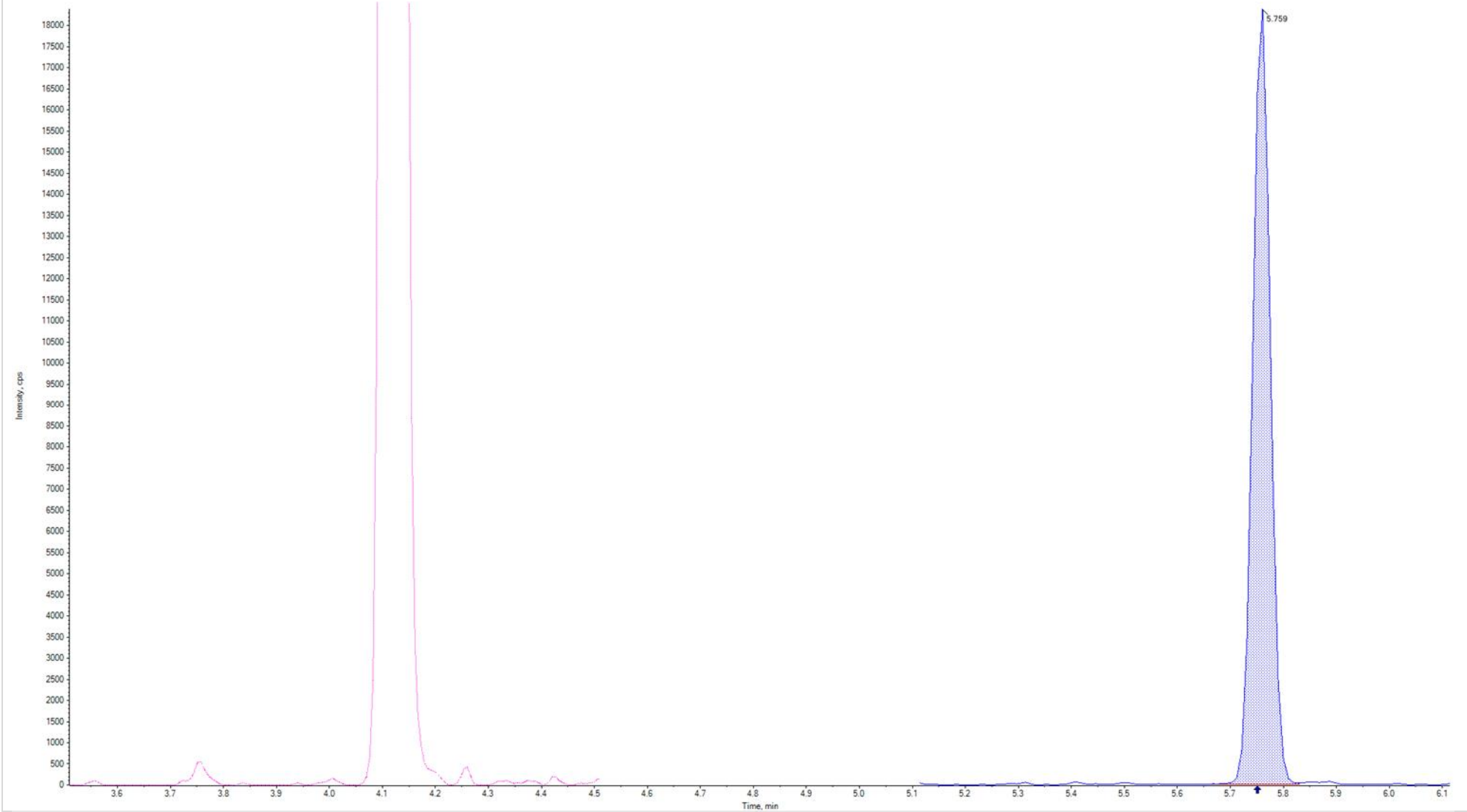
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Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_12.wiff2_2
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFDS_2
Sample: IA1633STD-.2 S/N:172.2 Points Across peak:22



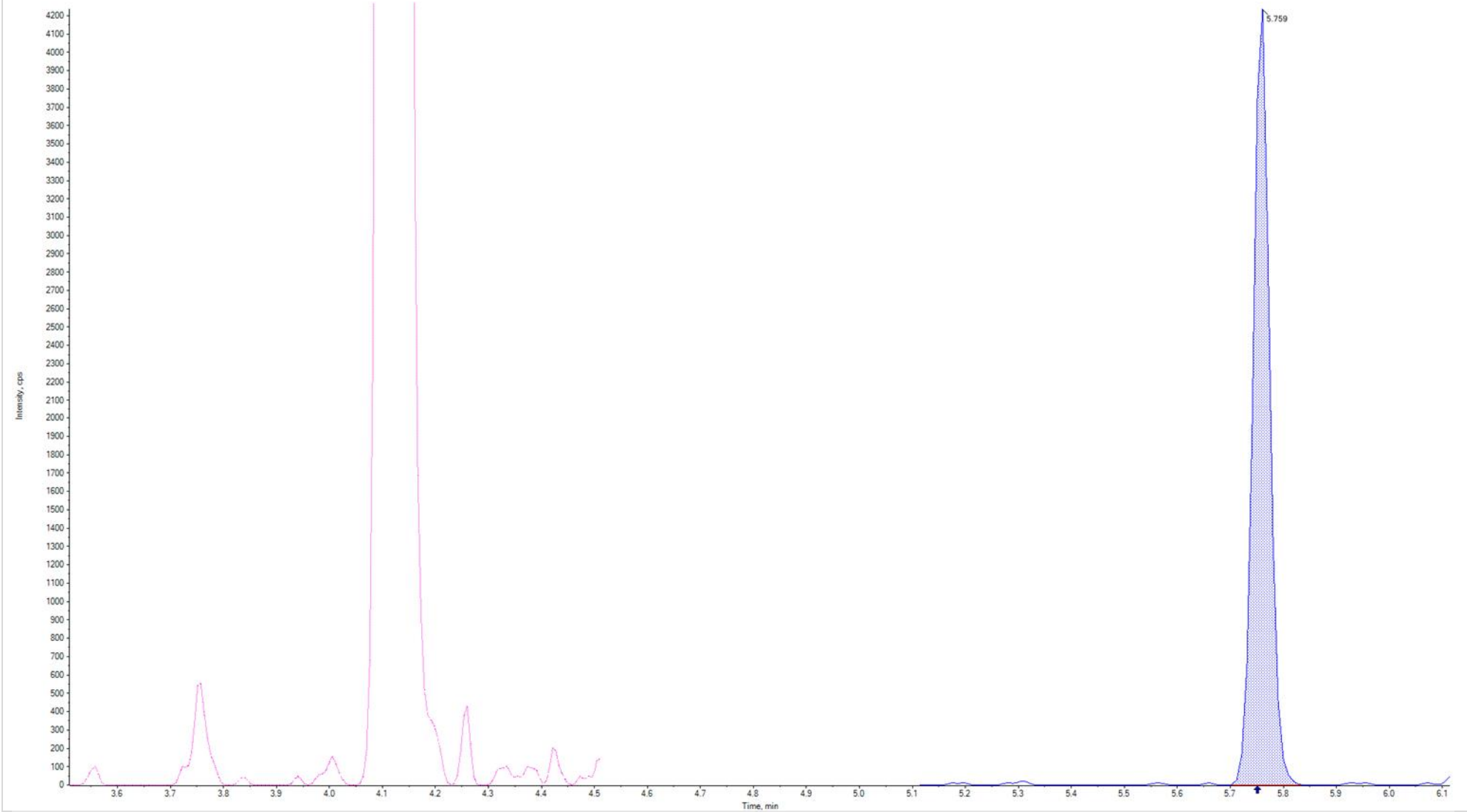
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_12.wiff2_2
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFDoS
Sample: IA1633STD-.2 S/N:1427.4 Points Across peak:20



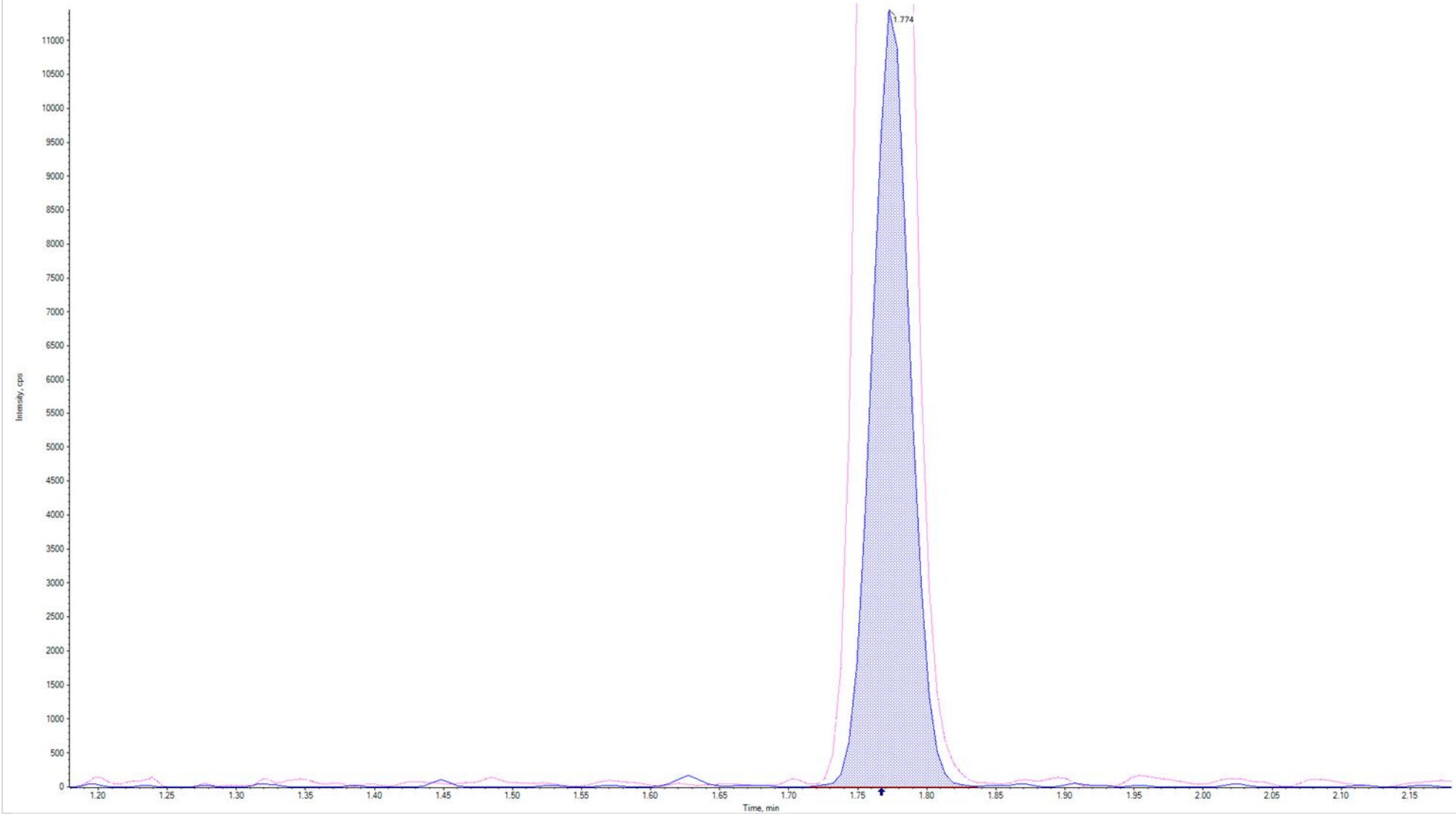
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_12.wiff2_2
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFDoS_2
Sample: IA1633STD-.2 S/N:329.1 Points Across peak:18



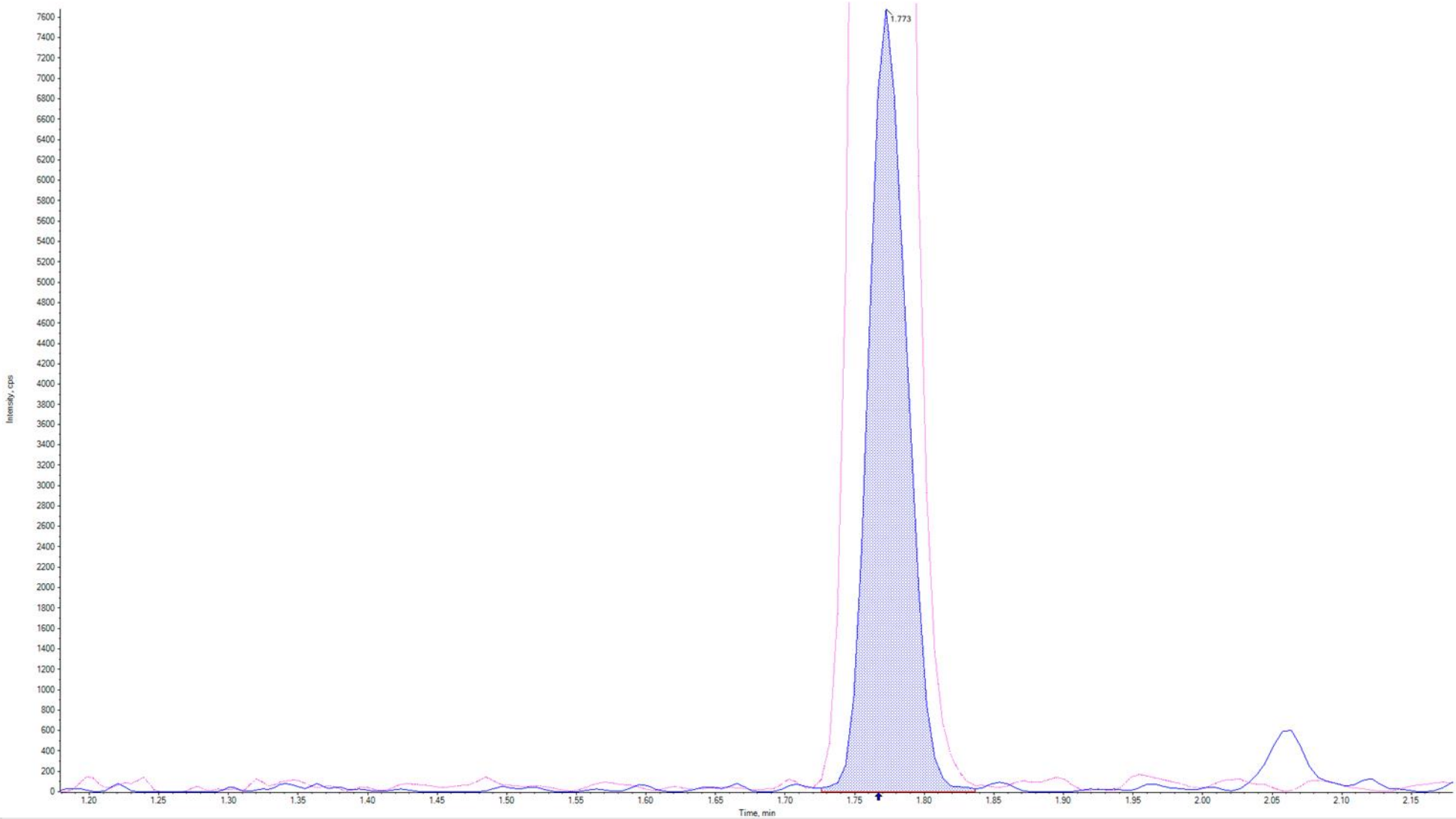
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

4:2FTS
Sample: IA1633STD-.2 S/N:430.5 Points Across peak:24



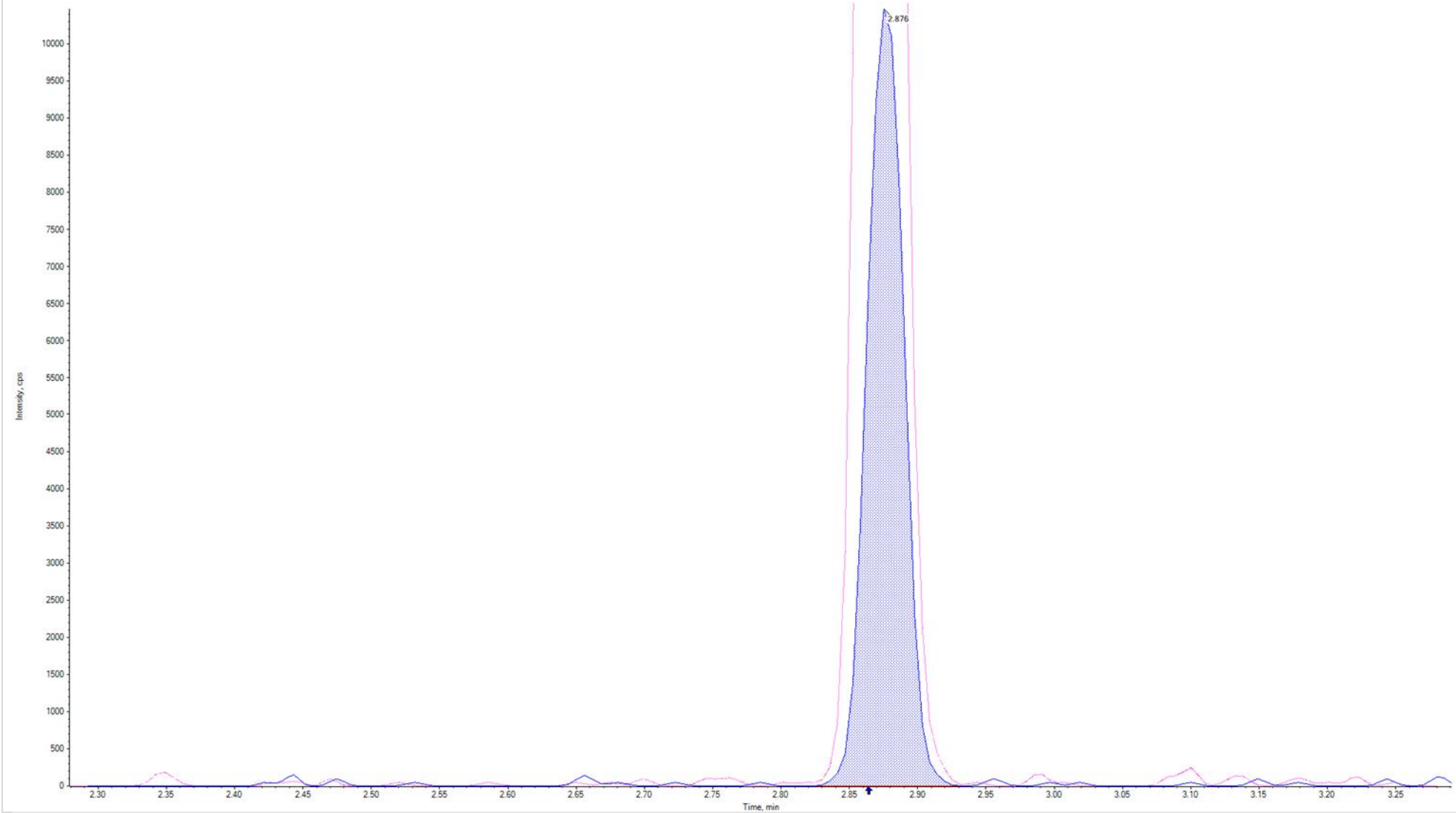
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

4:2FTS_2
Sample: IA1633STD-.2 S/N:288.7 Points Across peak:20



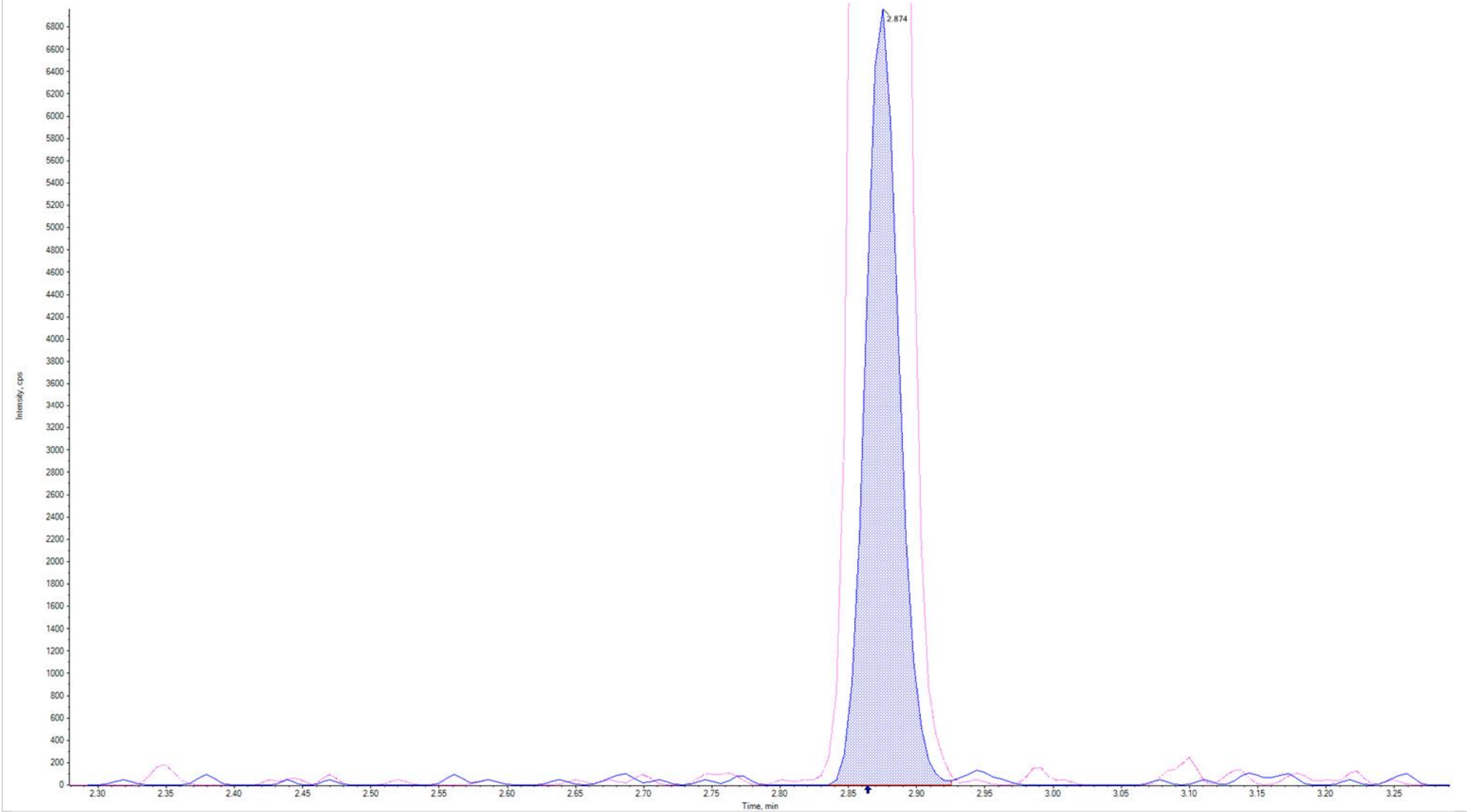
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

6:2FTS
Sample: IA1633STD-.2 S/N:209.9 Points Across peak:22



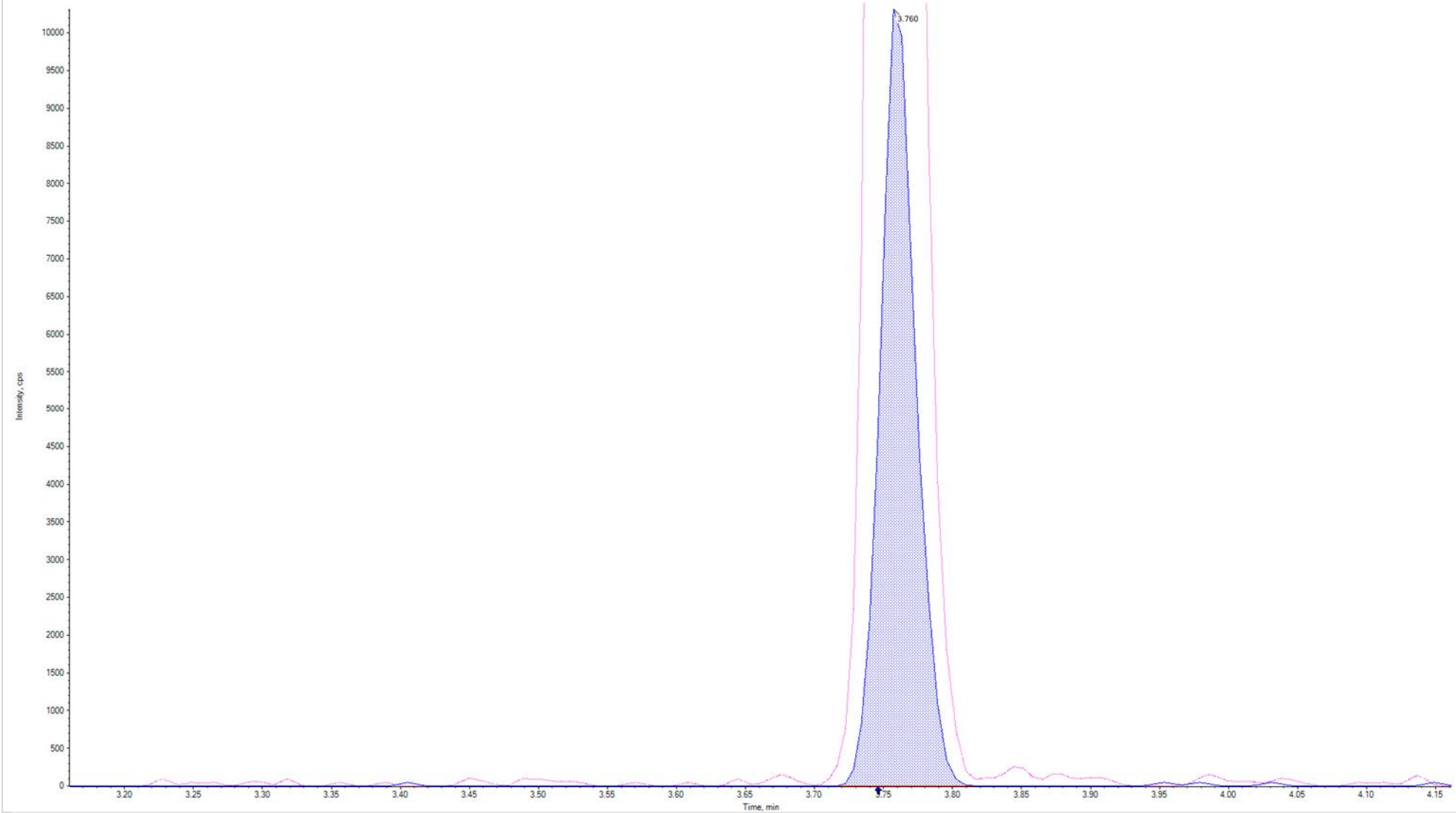
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

6:2FTS_2
Sample: IA1633STD-.2 S/N:139.6 Points Across peak:21



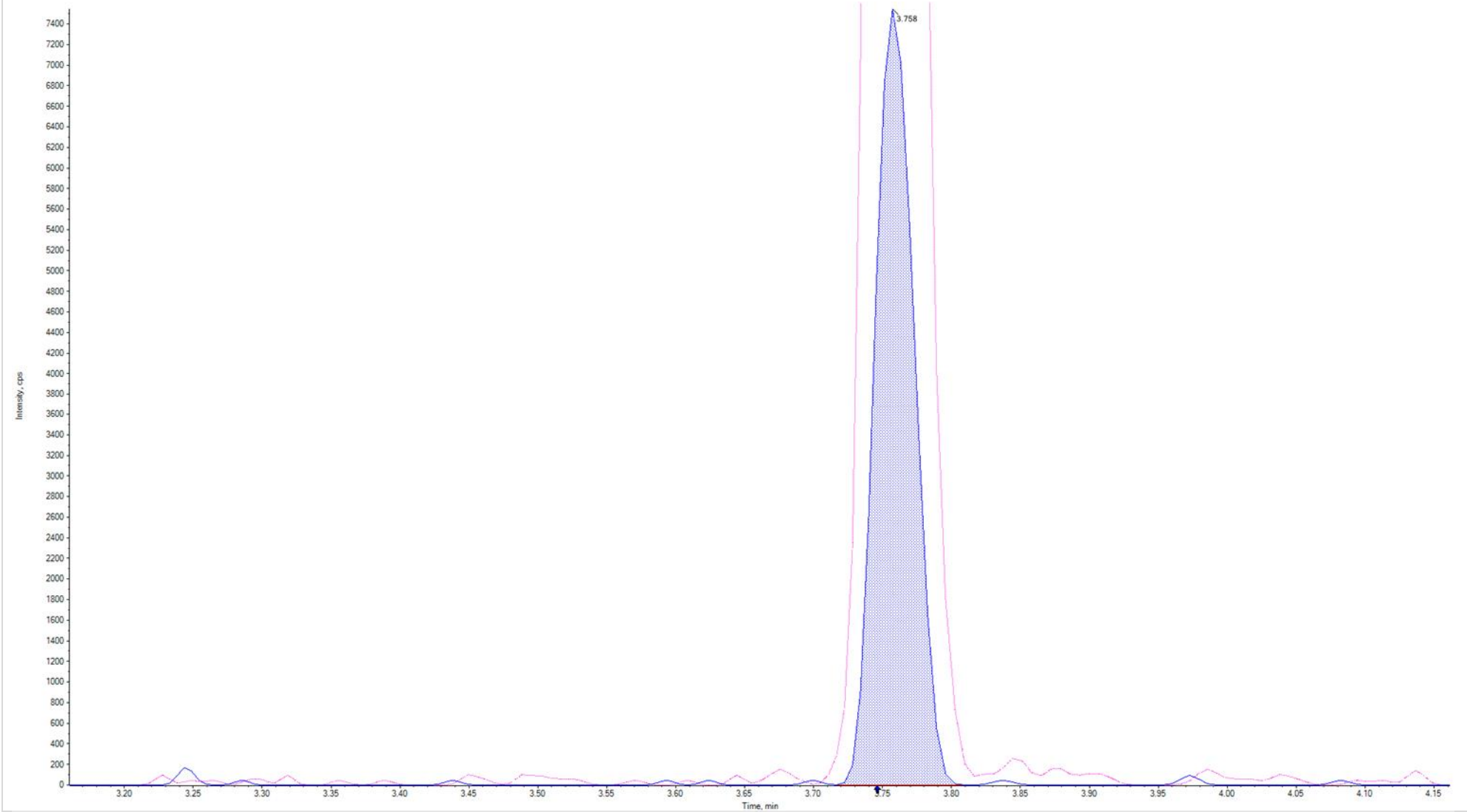
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

8:2FTS
Sample: IA1633STD-.2 S/N:206.9 Points Across peak:27



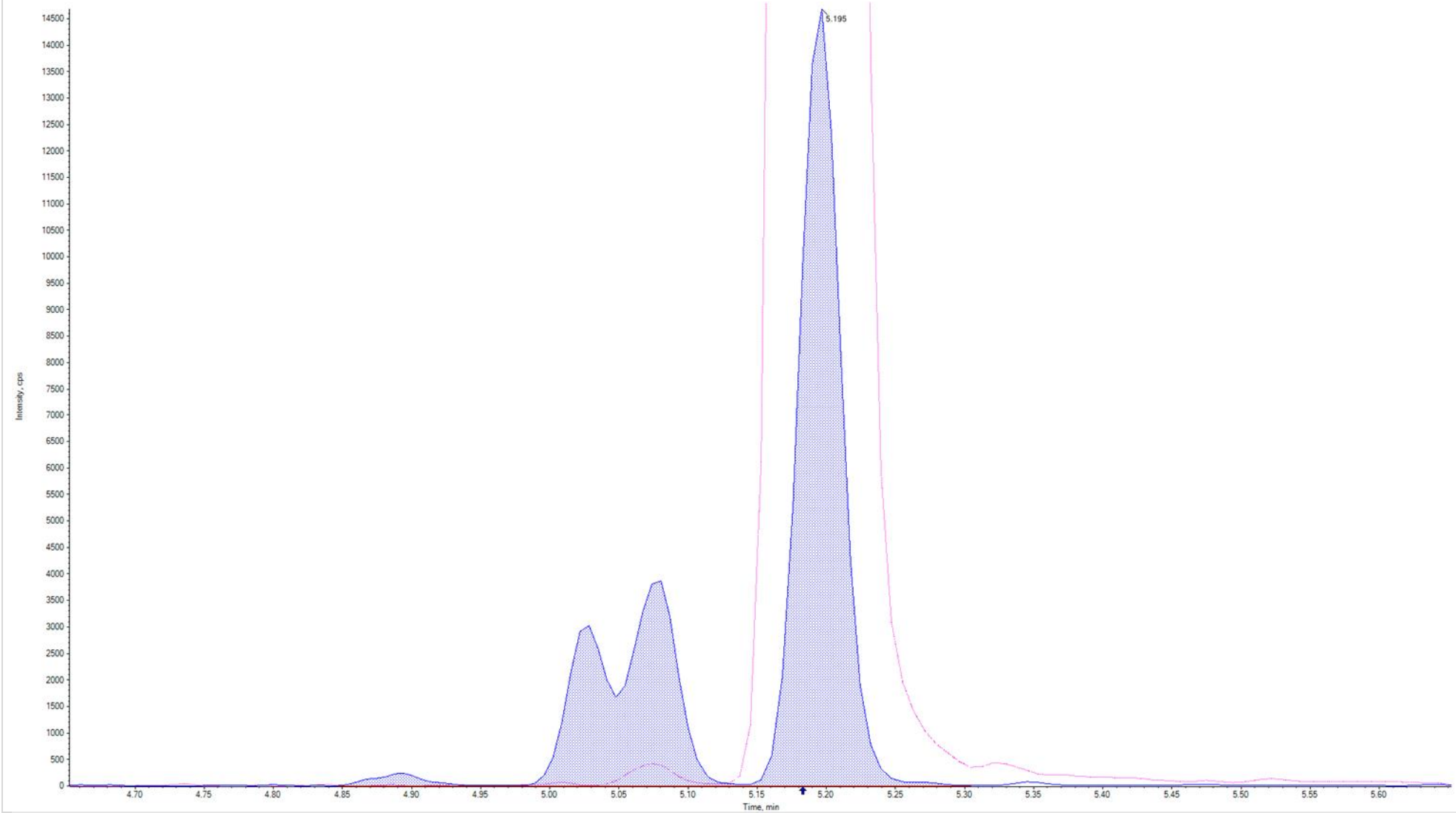
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

8:2FTS_2
Sample: IA1633STD-.2 S/N:151.3 Points Across peak:17



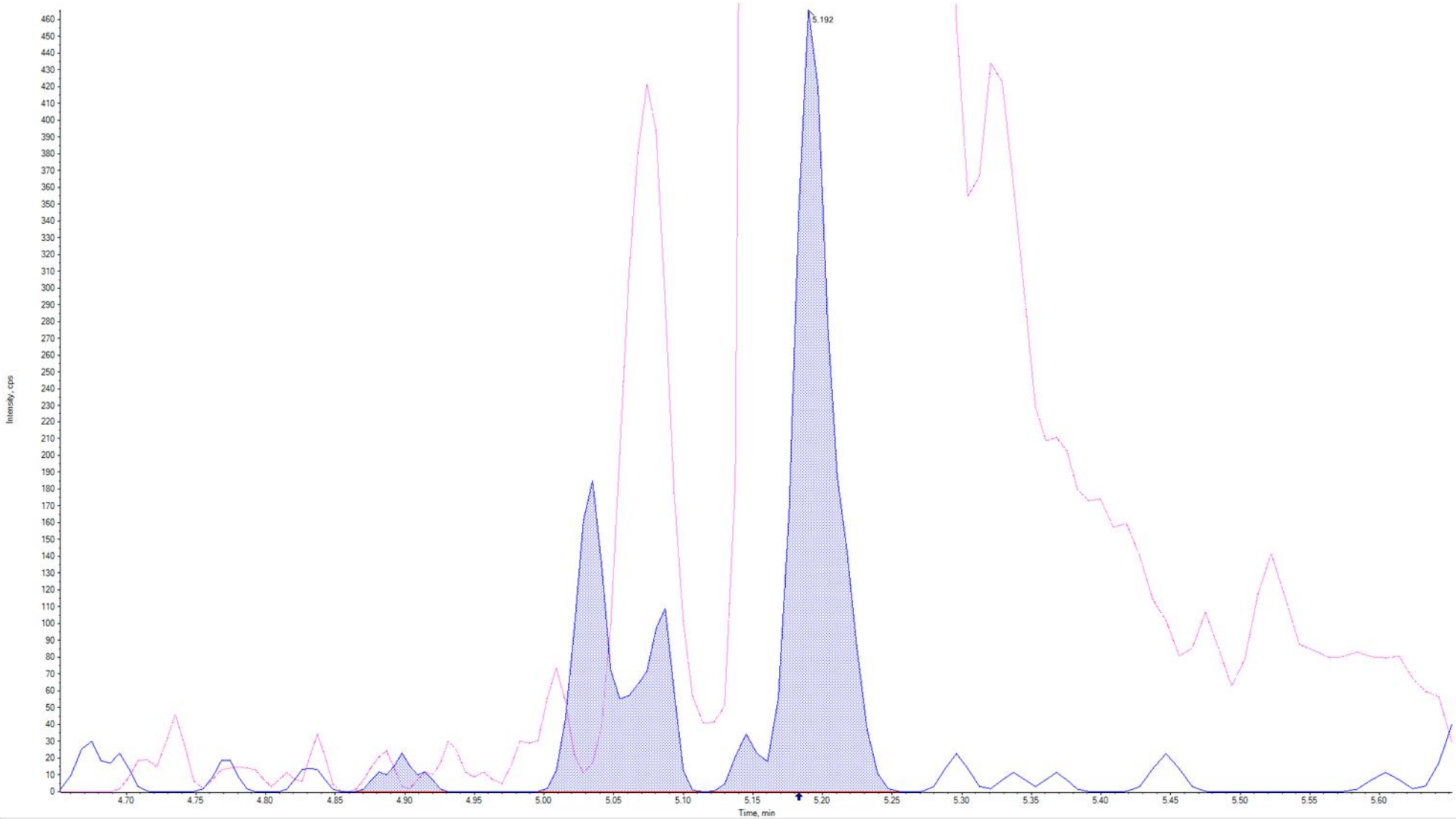
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFOSA
Sample: IA1633STD-.2 S/N:229.0 Points Across peak:72



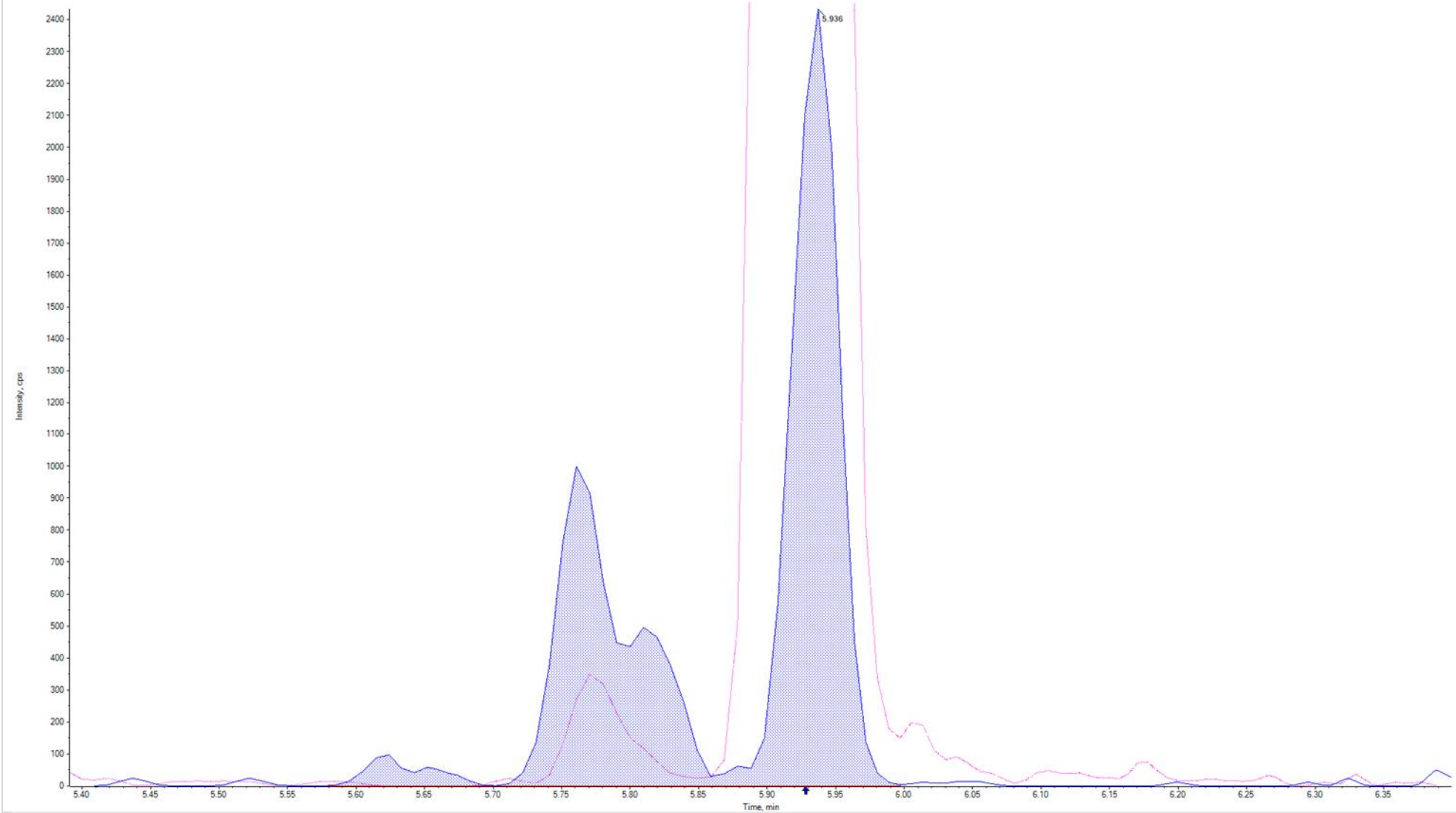
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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PFOSA_2
Sample: IA1633STD-.2 S/N:40.9 Points Across peak:64



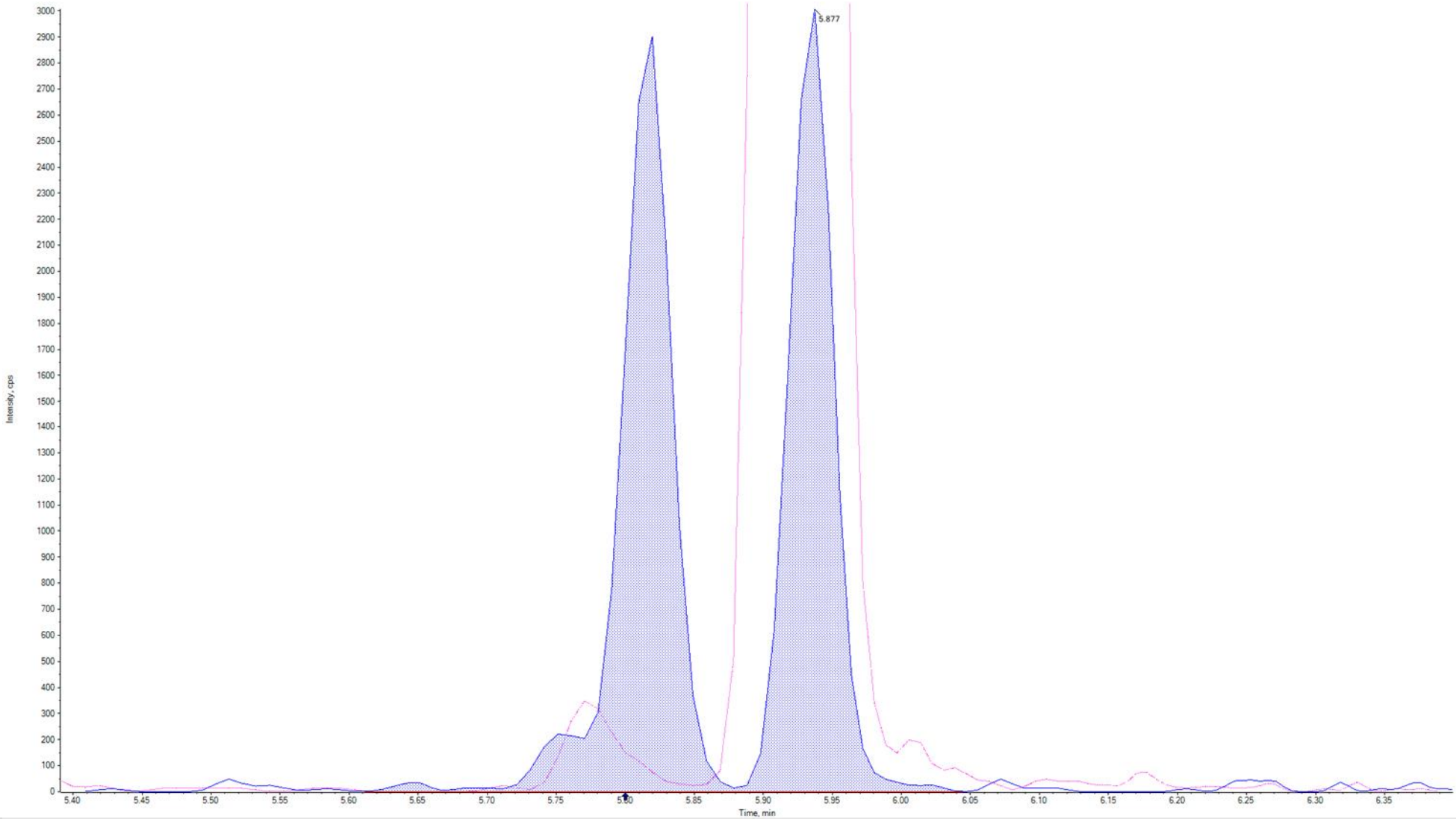
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NMeFOSA
Sample: IA1633STD-.2 S/N:121.5 Points Across peak:48



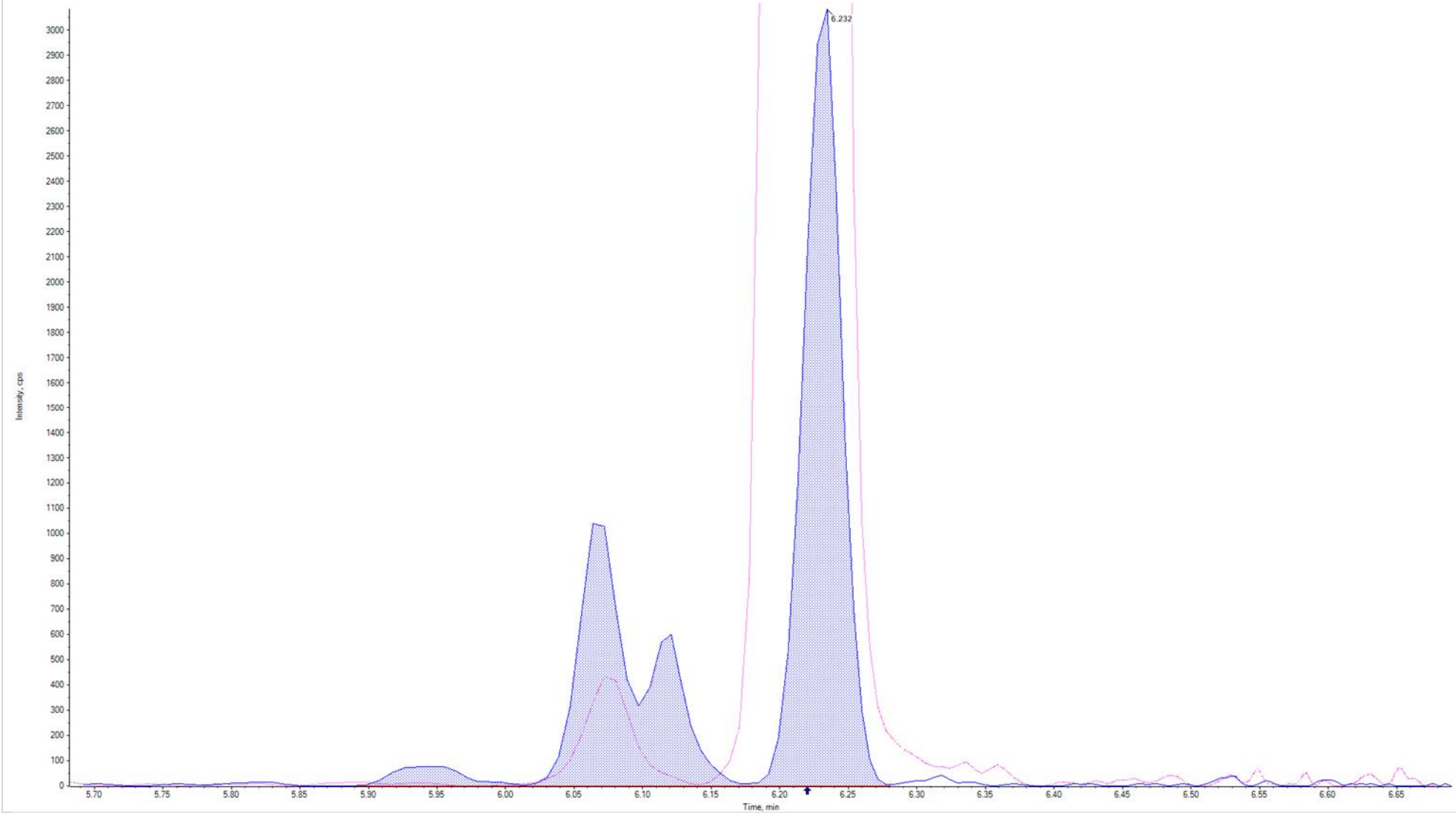
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NMeFOSA_2
Sample: IA1633STD-.2 S/N:129.1 Points Across peak:49



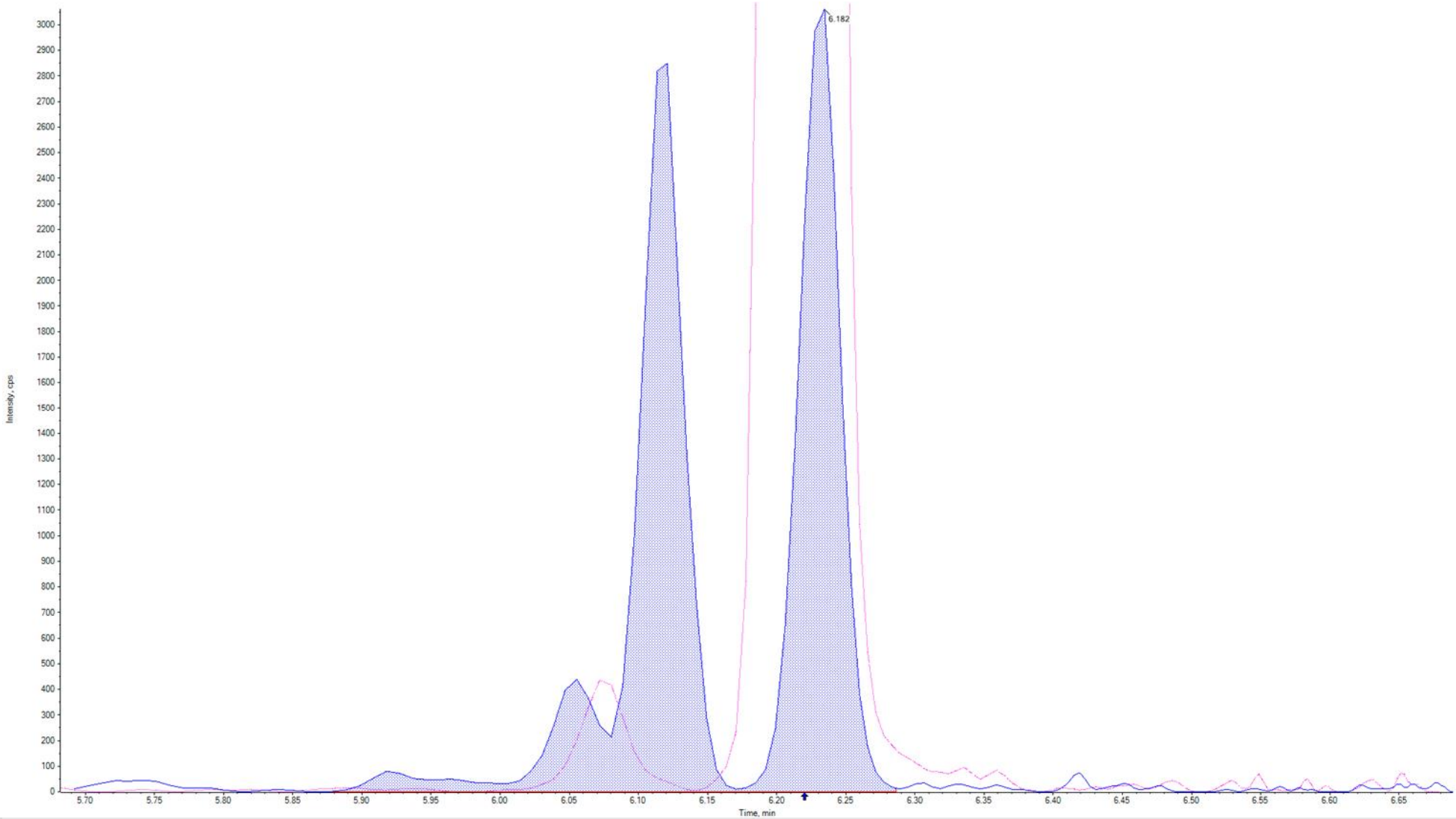
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NEtFOSA
Sample: IA1633STD-.2 S/N:321.7 Points Across peak:53



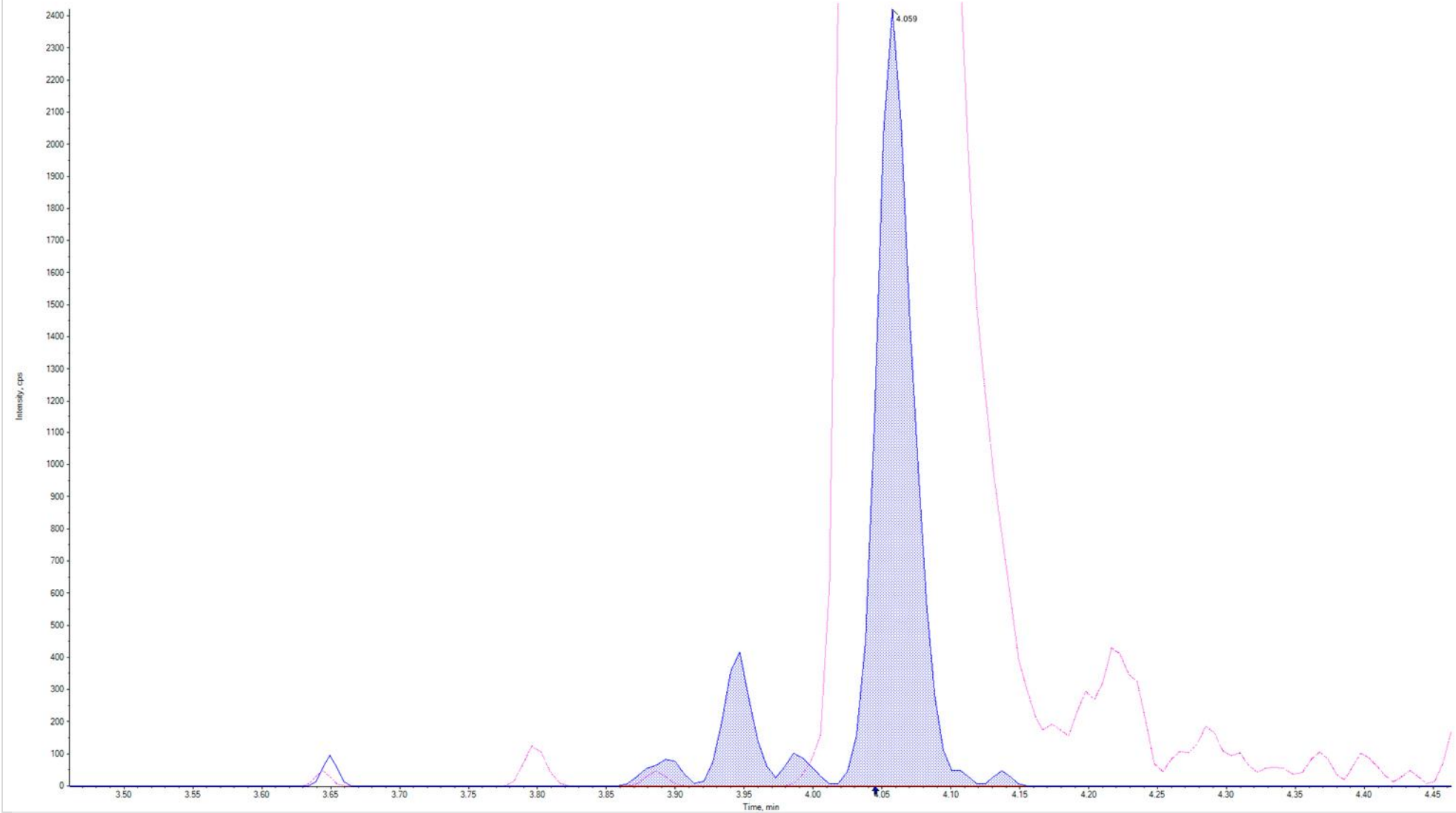
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NEtFOSA_2
Sample: IA1633STD-.2 S/N:192.1 Points Across peak:55



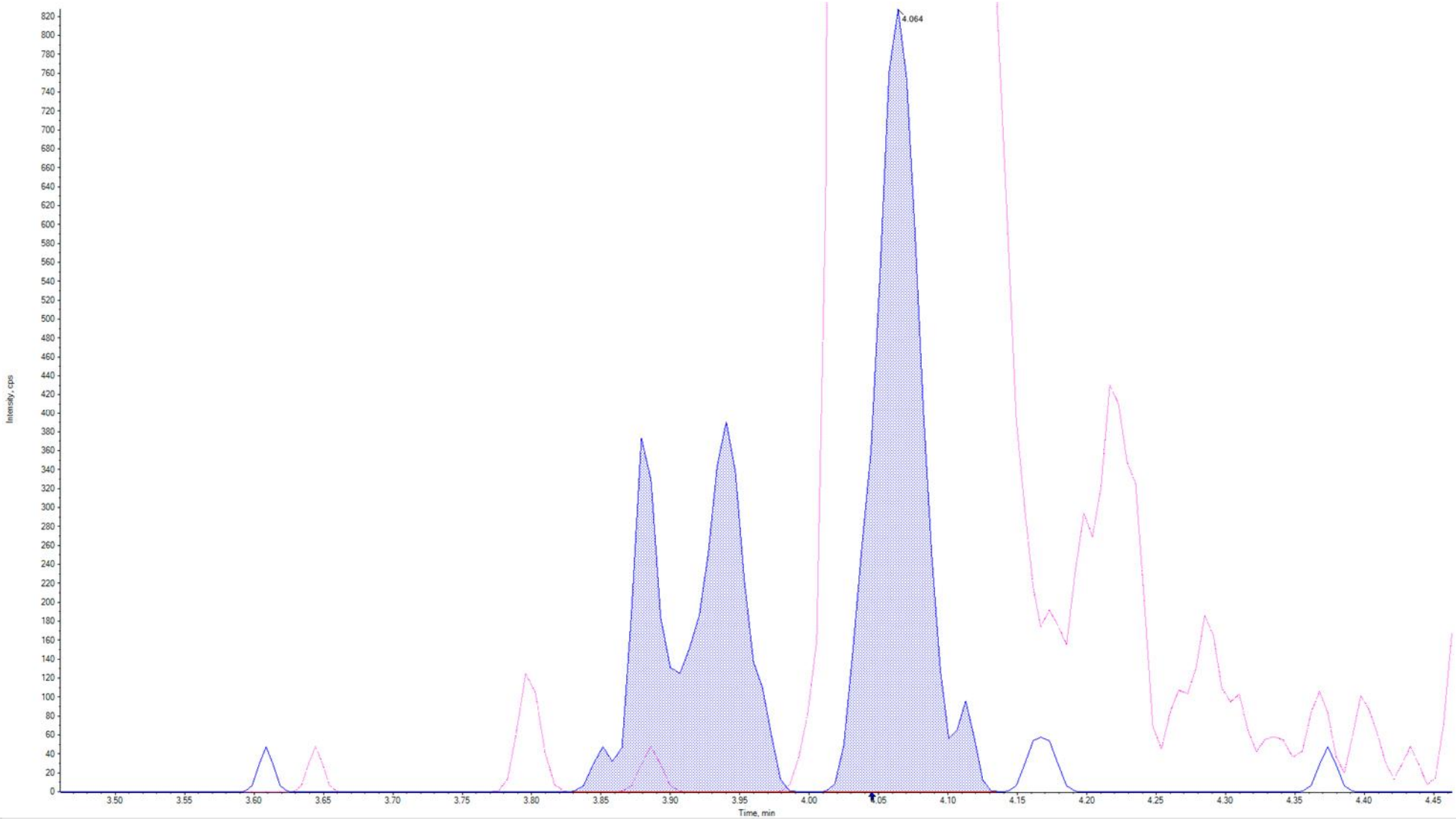
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NMeFOSAA
Sample: IA1633STD-.2 S/N:48.5 Points Across peak:57



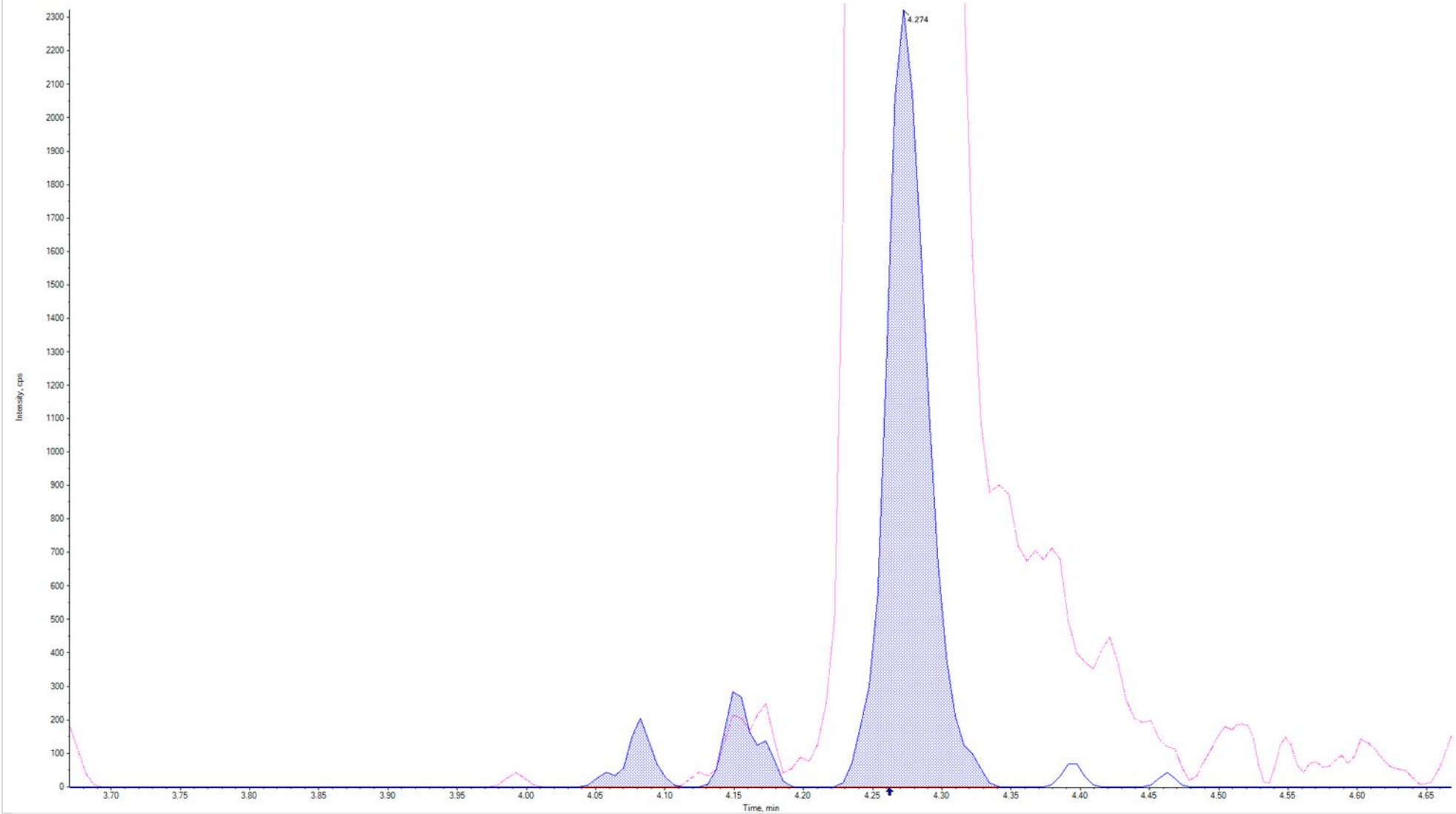
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NMeFOSAA_2
Sample: IA1633STD-.2 S/N:16.6 Points Across peak:50



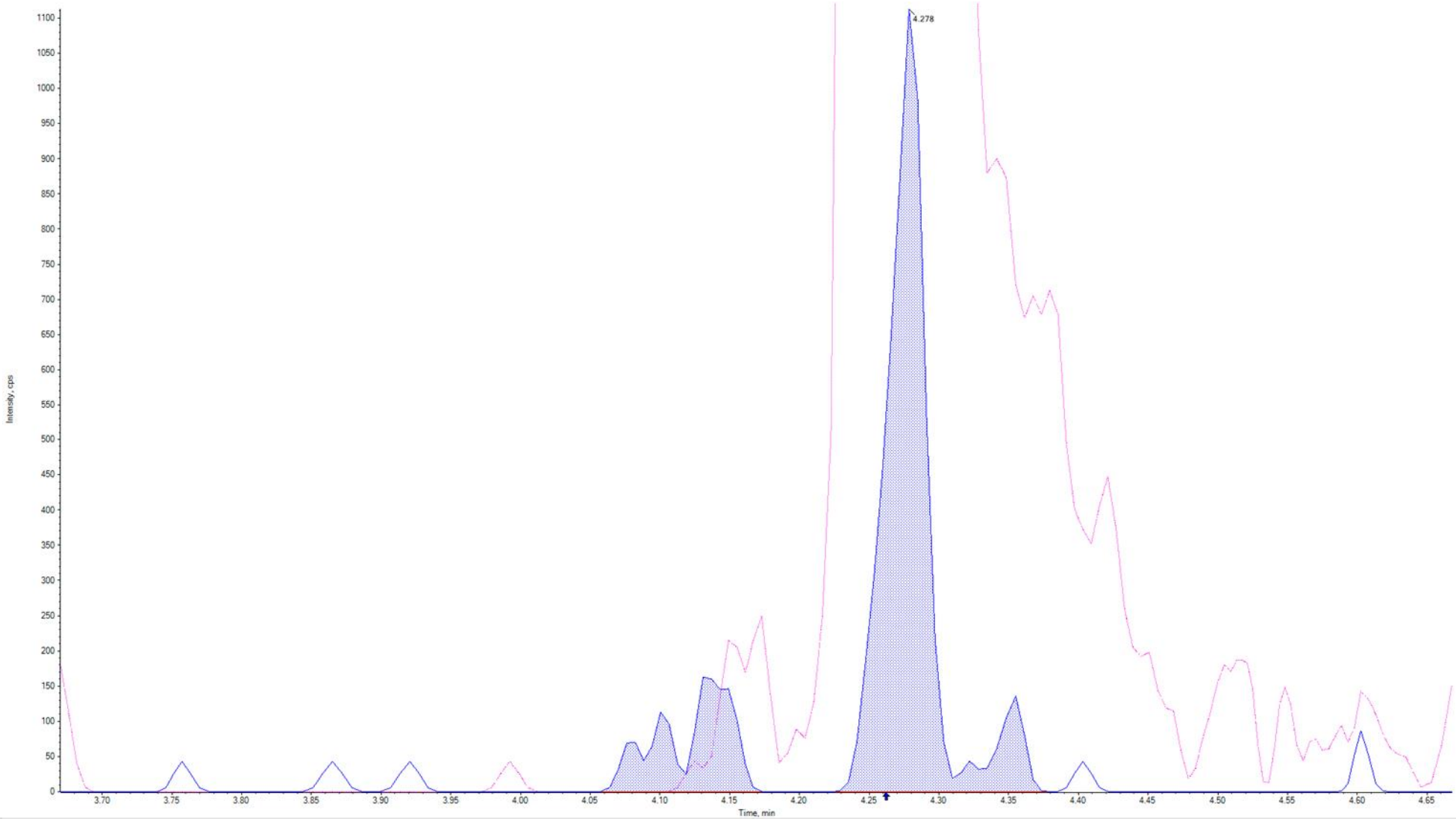
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NEtFOSAA
Sample: IA1633STD-.2 S/N:52.4 Points Across peak:56



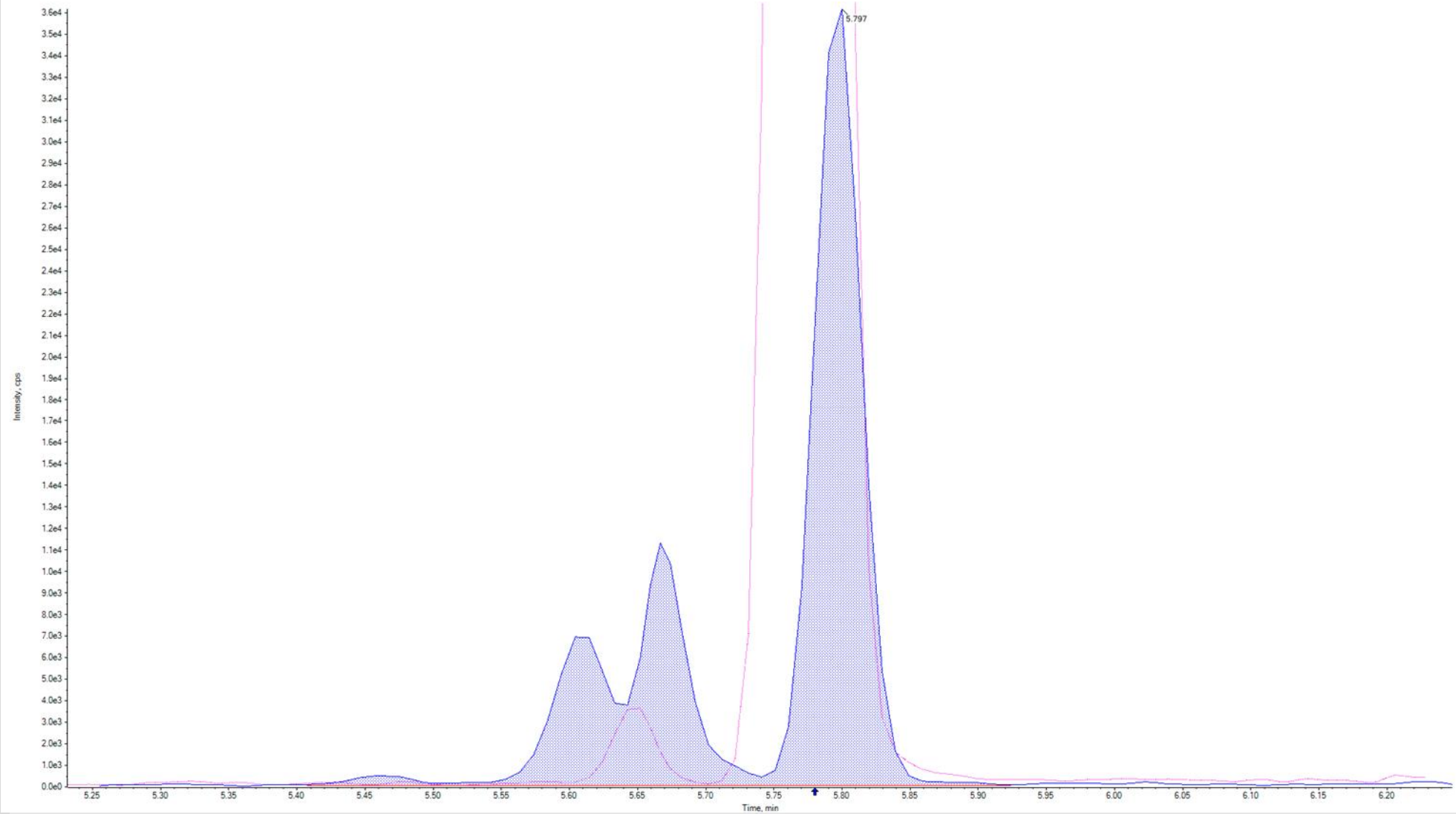
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NEtFOSAA_2
Sample: IA1633STD-.2 S/N:25.1 Points Across peak:55



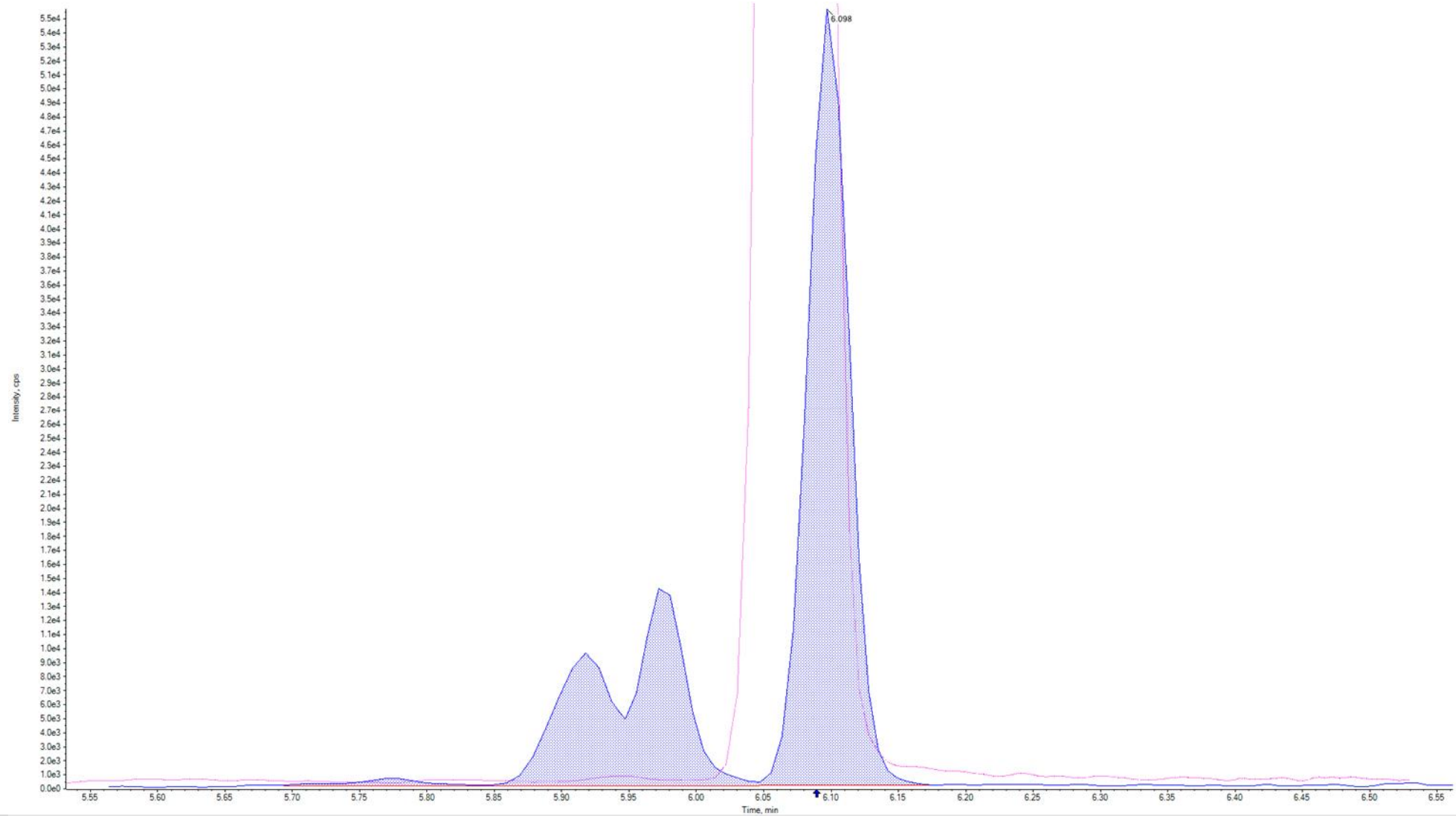
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NMeFOSE
Sample: IA1633STD-.2 S/N:150.5 Points Across peak:56



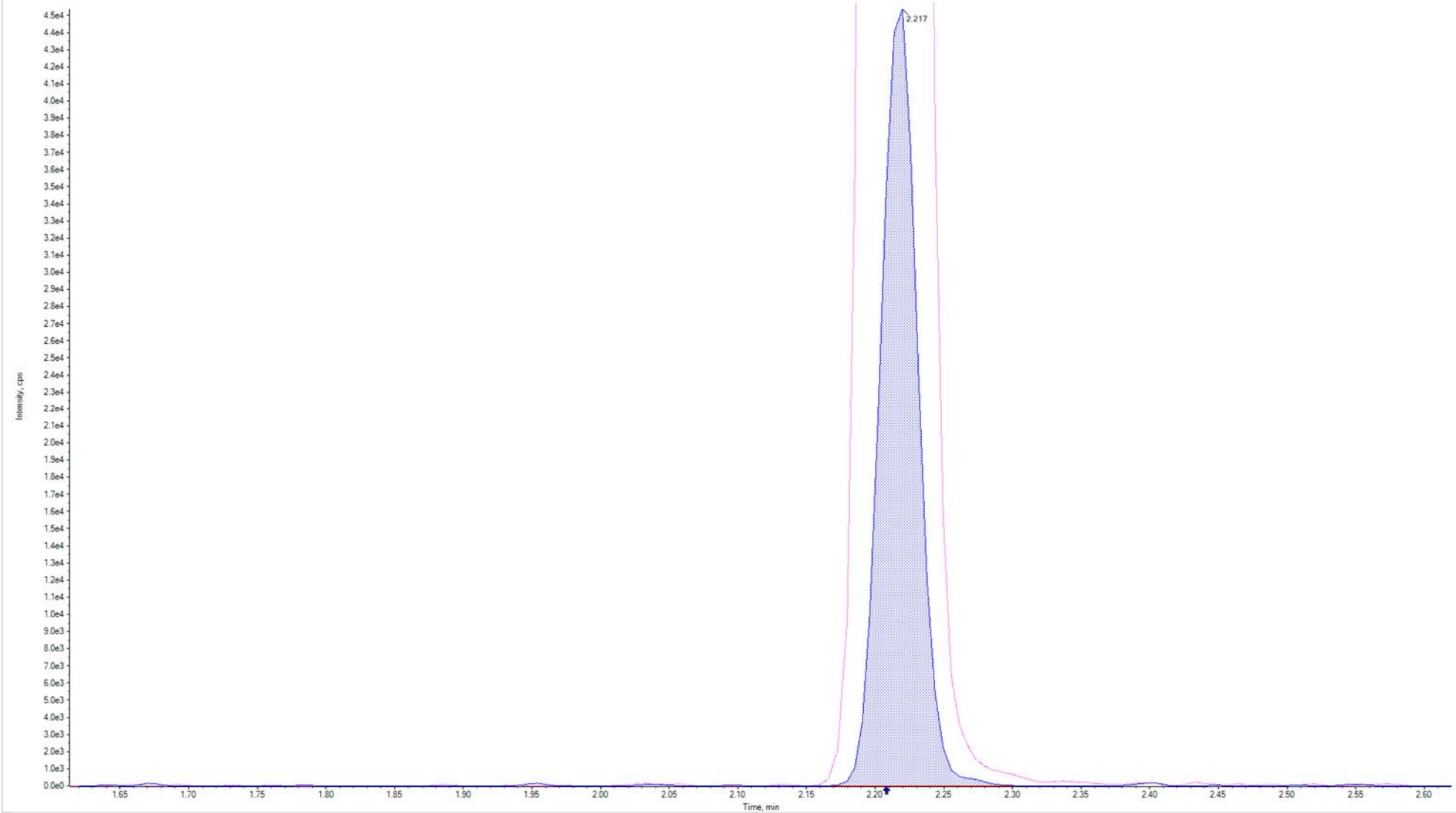
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NEtFOSE
Sample: IA1633STD-.2 S/N:303.9 Points Across peak:57



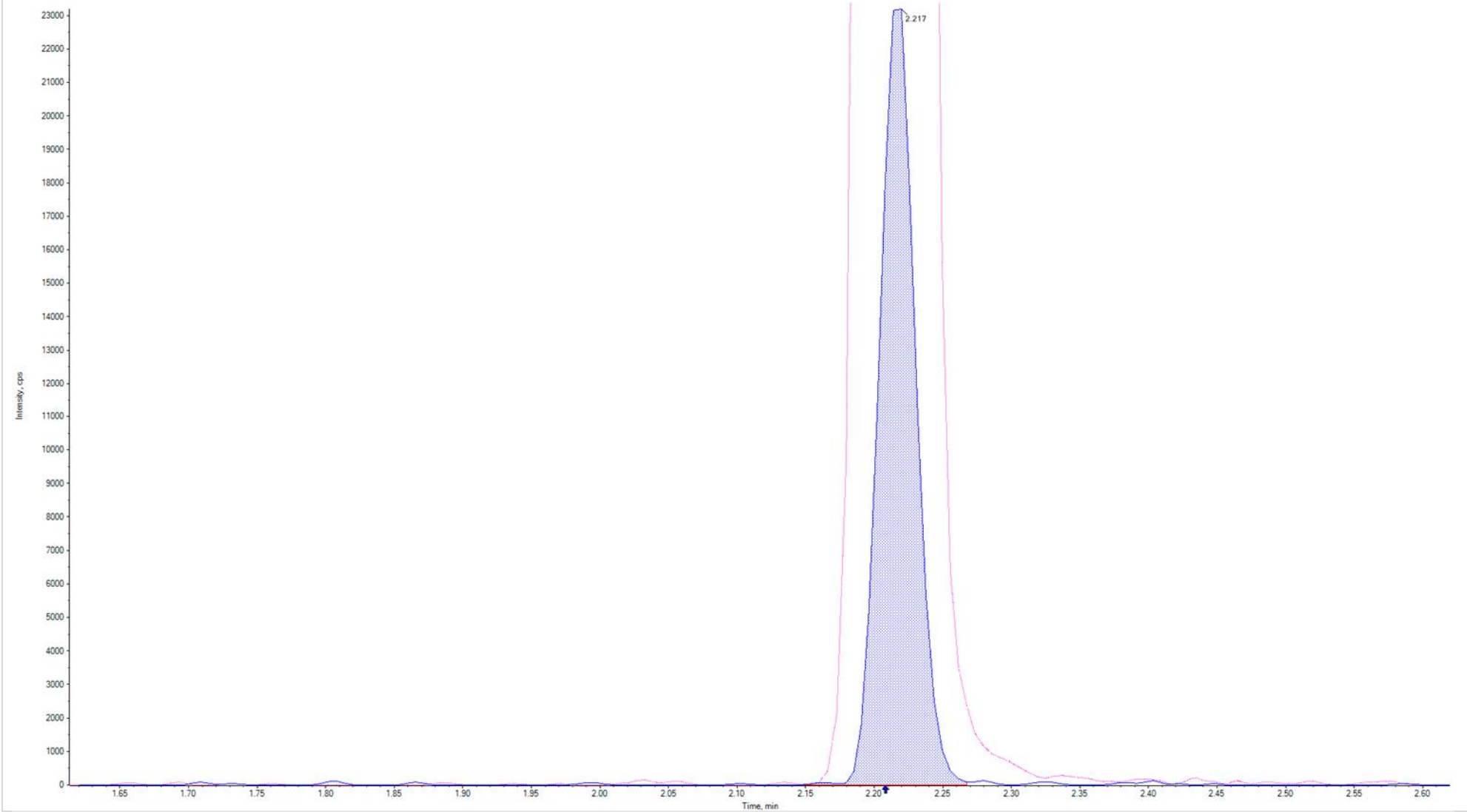
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Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_12.wiff2_2
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

HFPO-DA
Sample: IA1633STD-.2 S/N:1023.4 Points Across peak:35



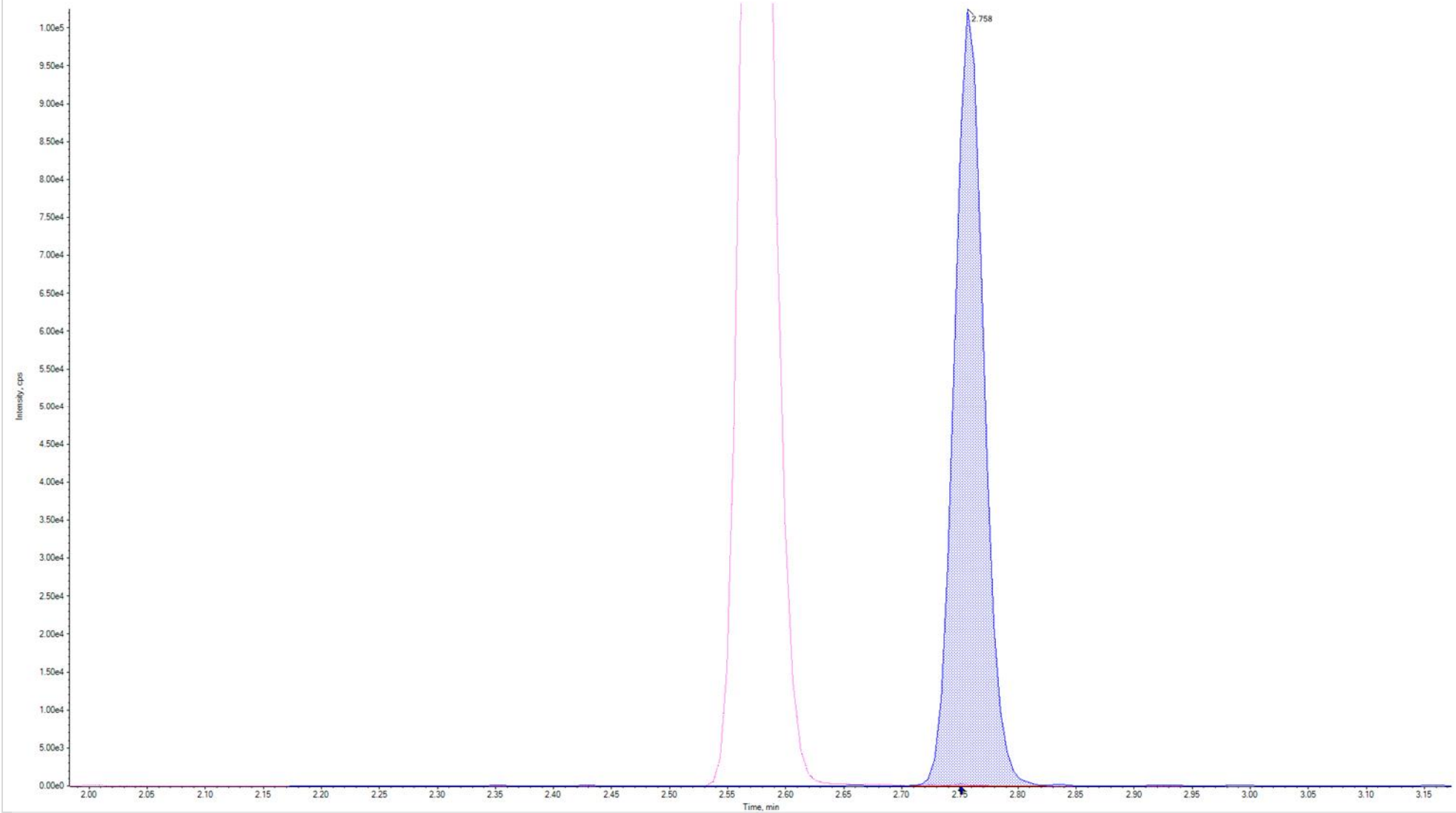
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Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_12.wiff2_2
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

HFPO-DA_2
Sample: IA1633STD-.2 S/N:523.2 Points Across peak:23



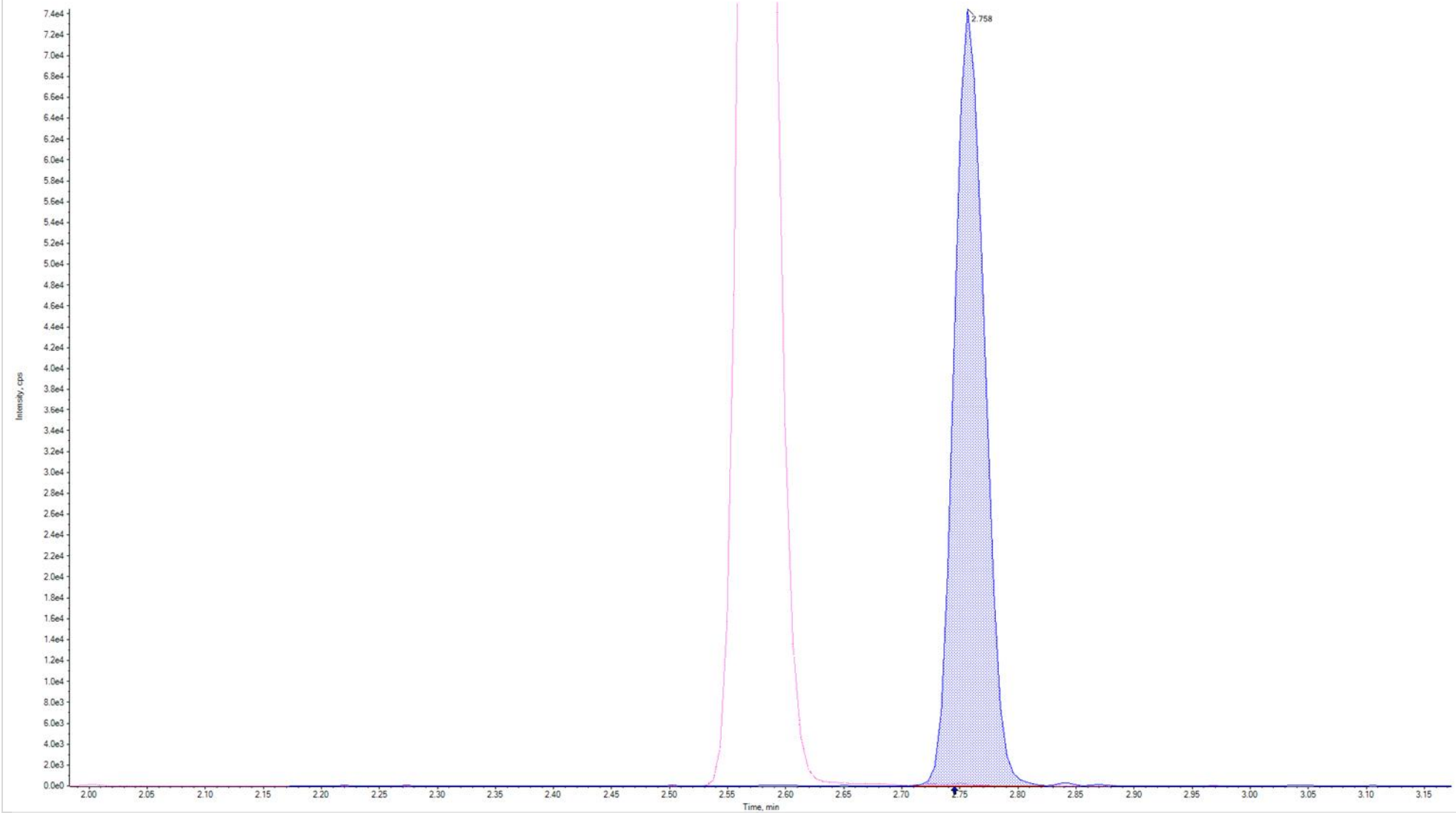
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_12.wiff2_2
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Generated: 12/16/2024 4:06:13 PM

ADONA
Sample: IA1633STD-.2 S/N:2054.9 Points Across peak:25



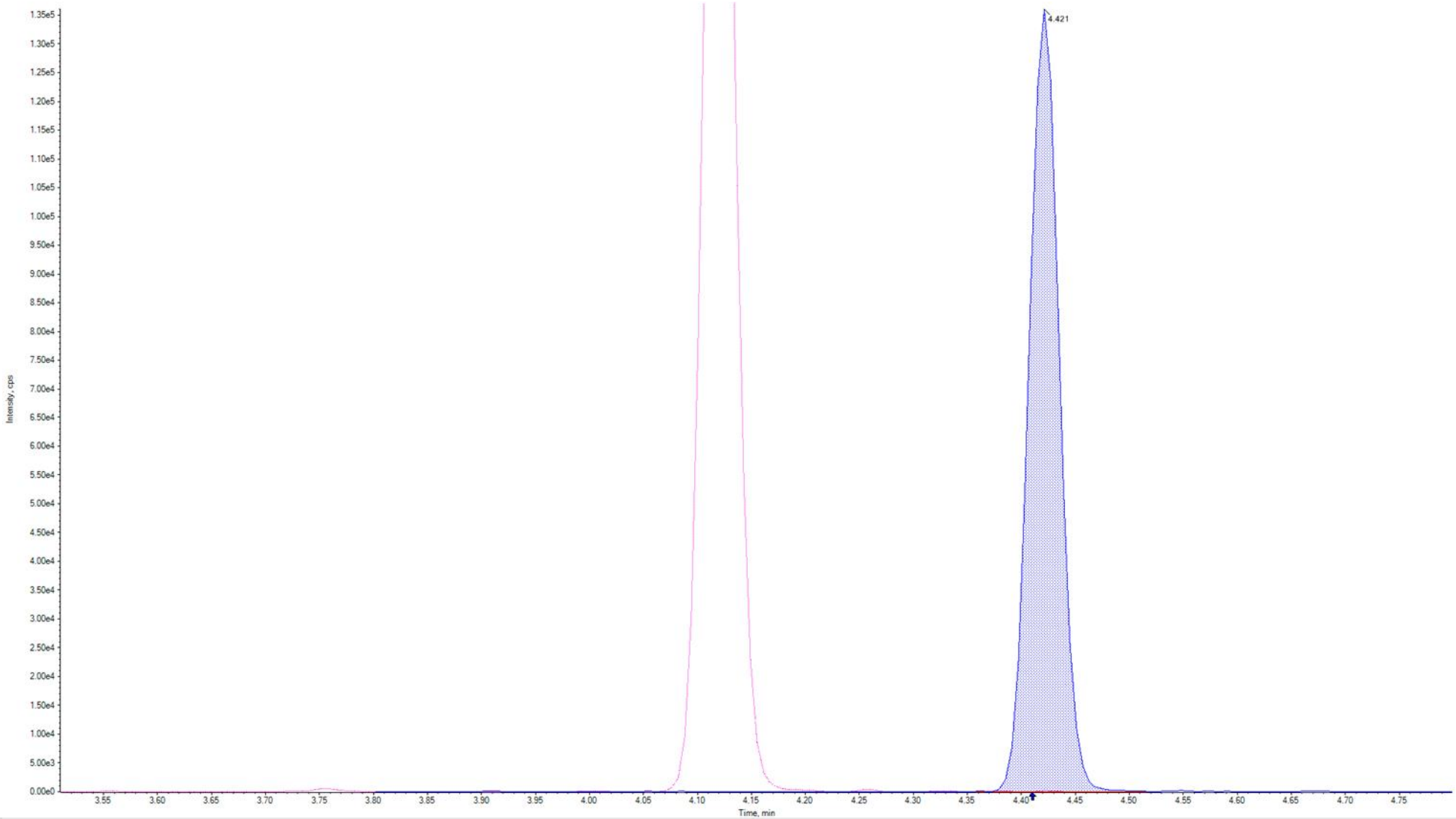
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_12.wiff2_2
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

ADONA_2
Sample: IA1633STD-.2 S/N:1492.9 Points Across peak:26



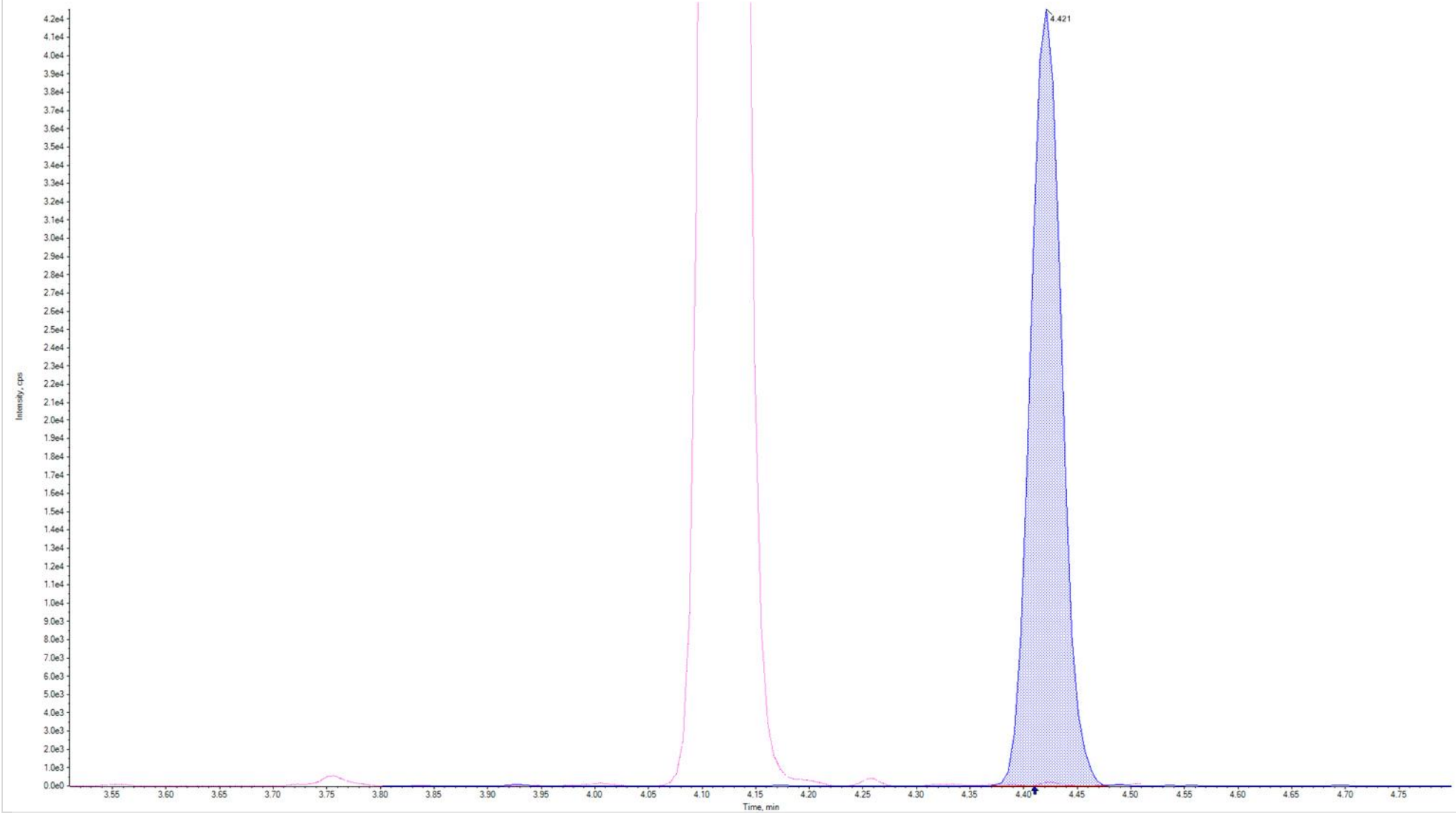
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_12.wiff2_2
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

9Cl-PF3ONS
Sample: IA1633STD-.2 S/N:3068.8 Points Across peak:34



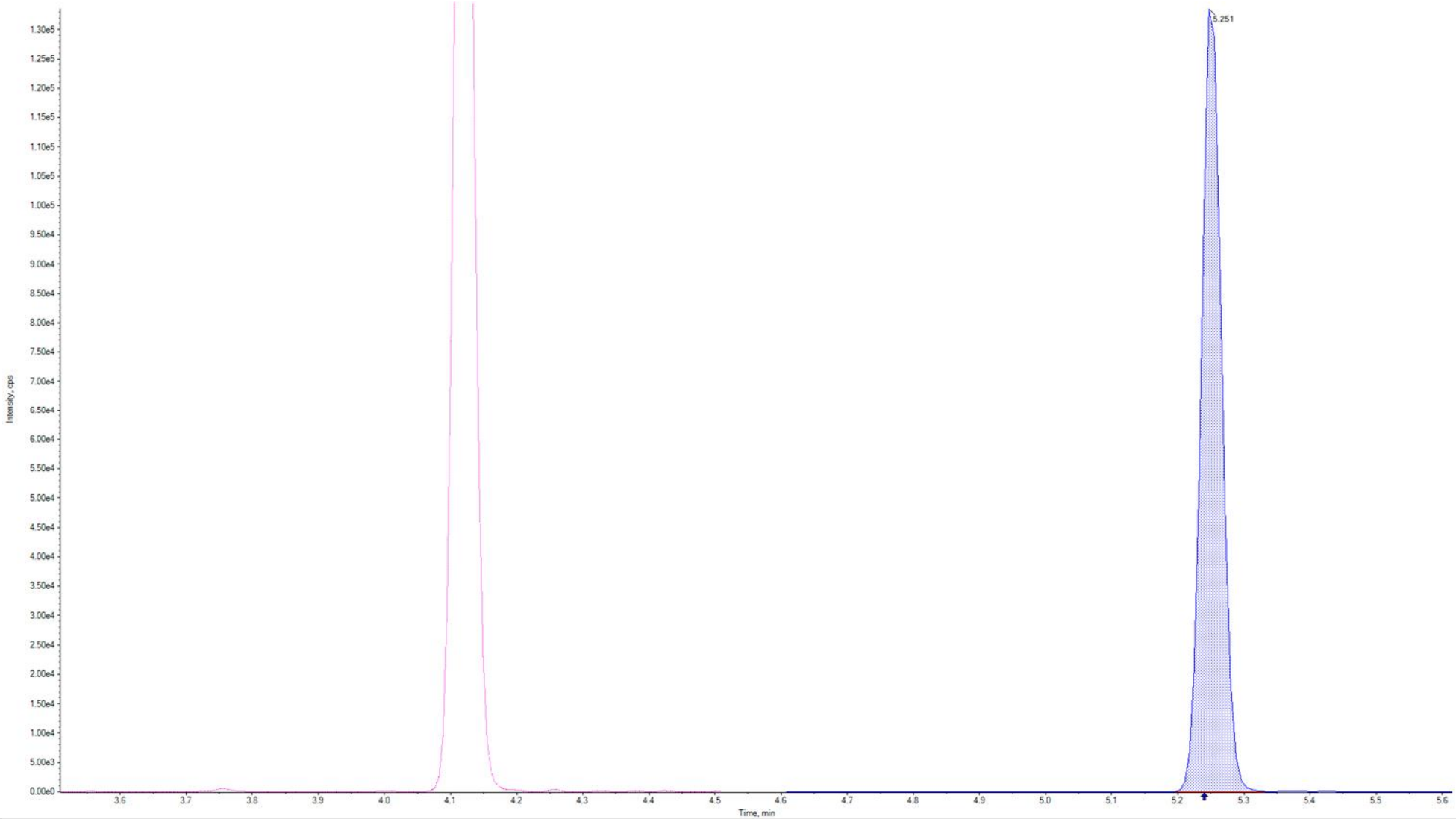
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_12.wiff2_2
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

9Cl-PF3ONS_2
Sample: IA1633STD-.2 S/N:959.8 Points Across peak:26



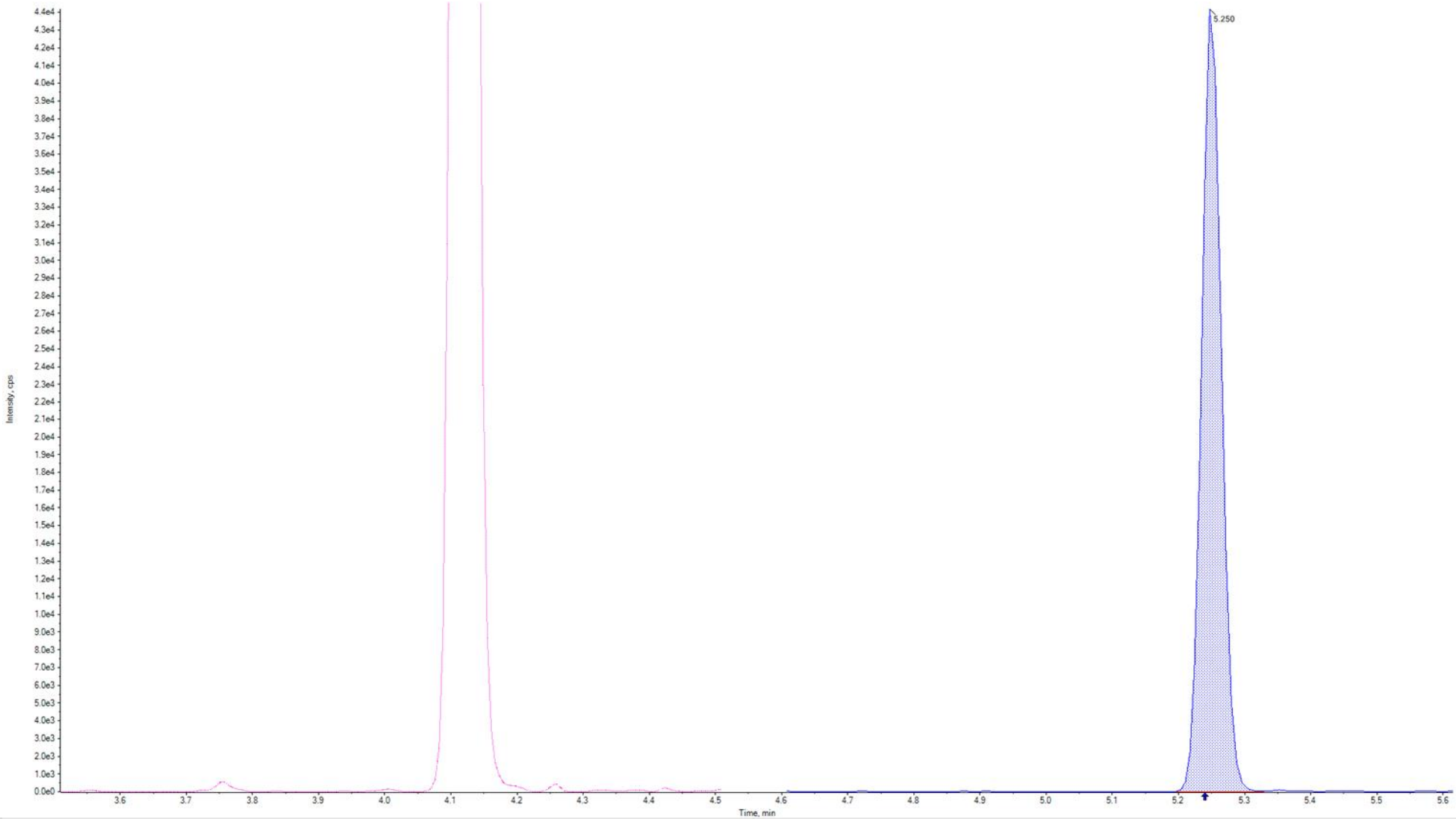
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_12.wiff2_2
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

11Cl-PF3OUdS
Sample: IA1633STD-.2 S/N:3628.9 Points Across peak:24



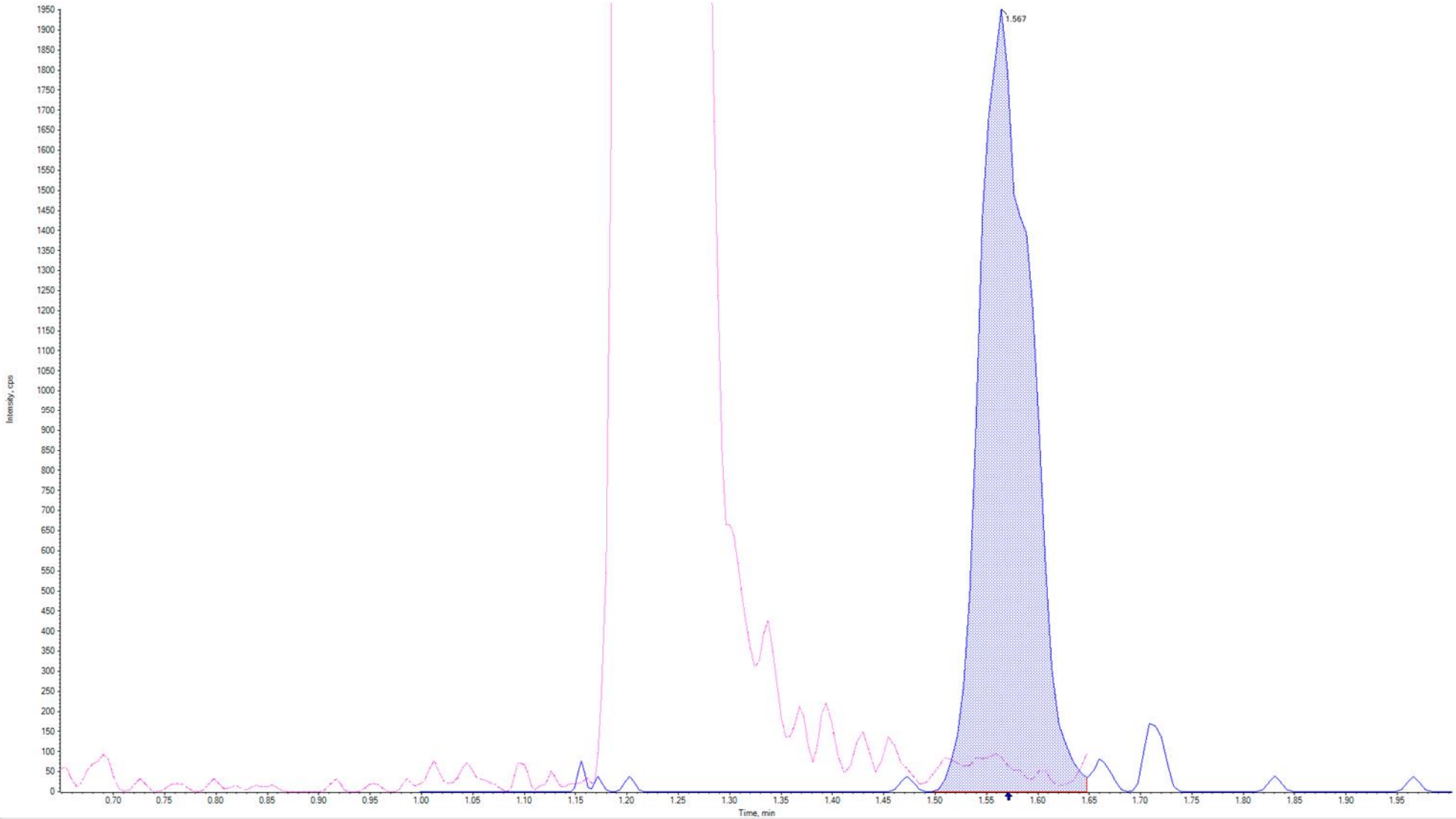
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_12.wiff2_2
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

11Cl-PF3OUdS_2
Sample: IA1633STD-.2 S/N:2103.9 Points Across peak:20

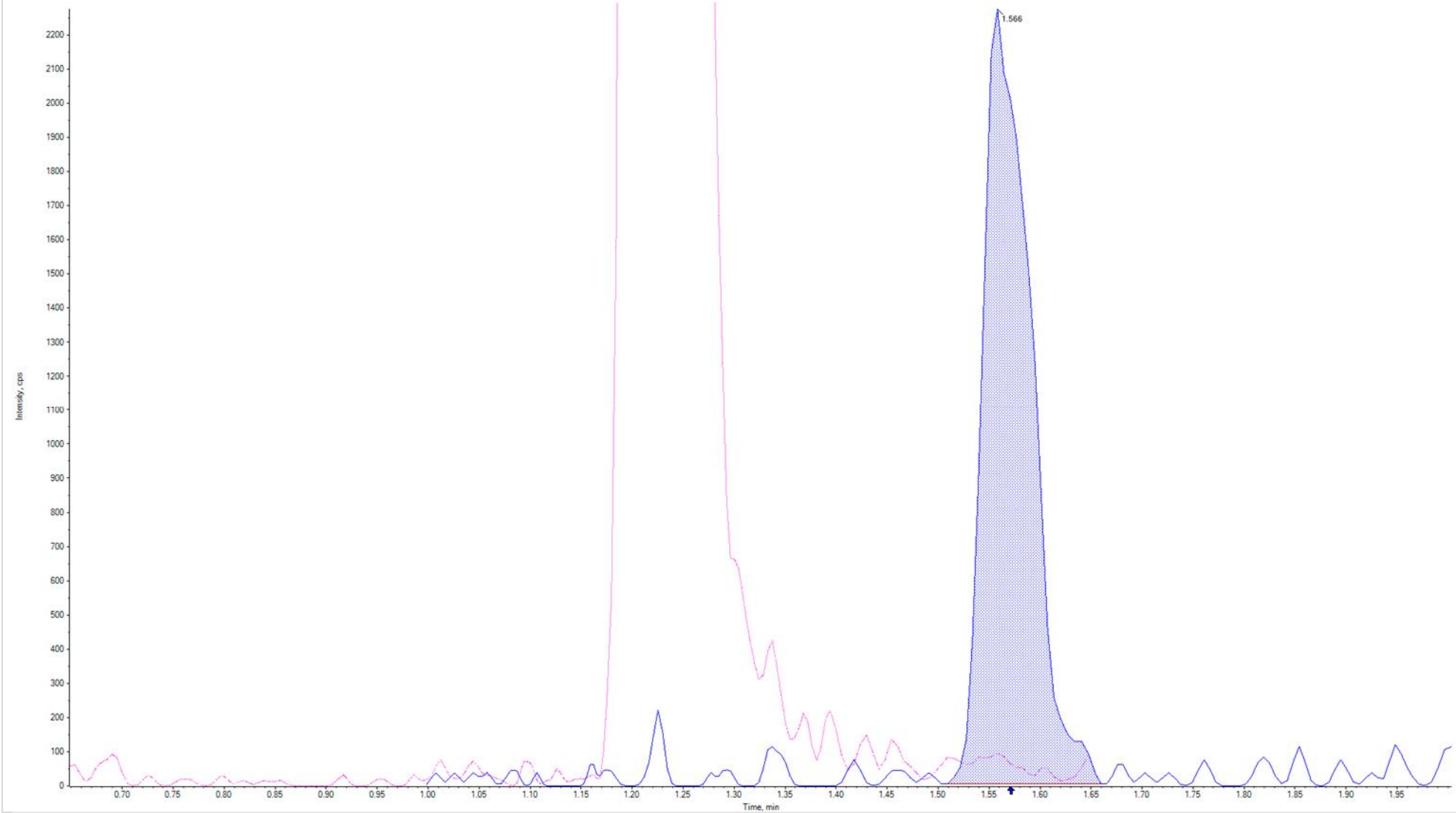


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_12.wiff2_2
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

3:3FTCA
Sample: IA1633STD-.2 S/N:48.9 Points Across peak:26

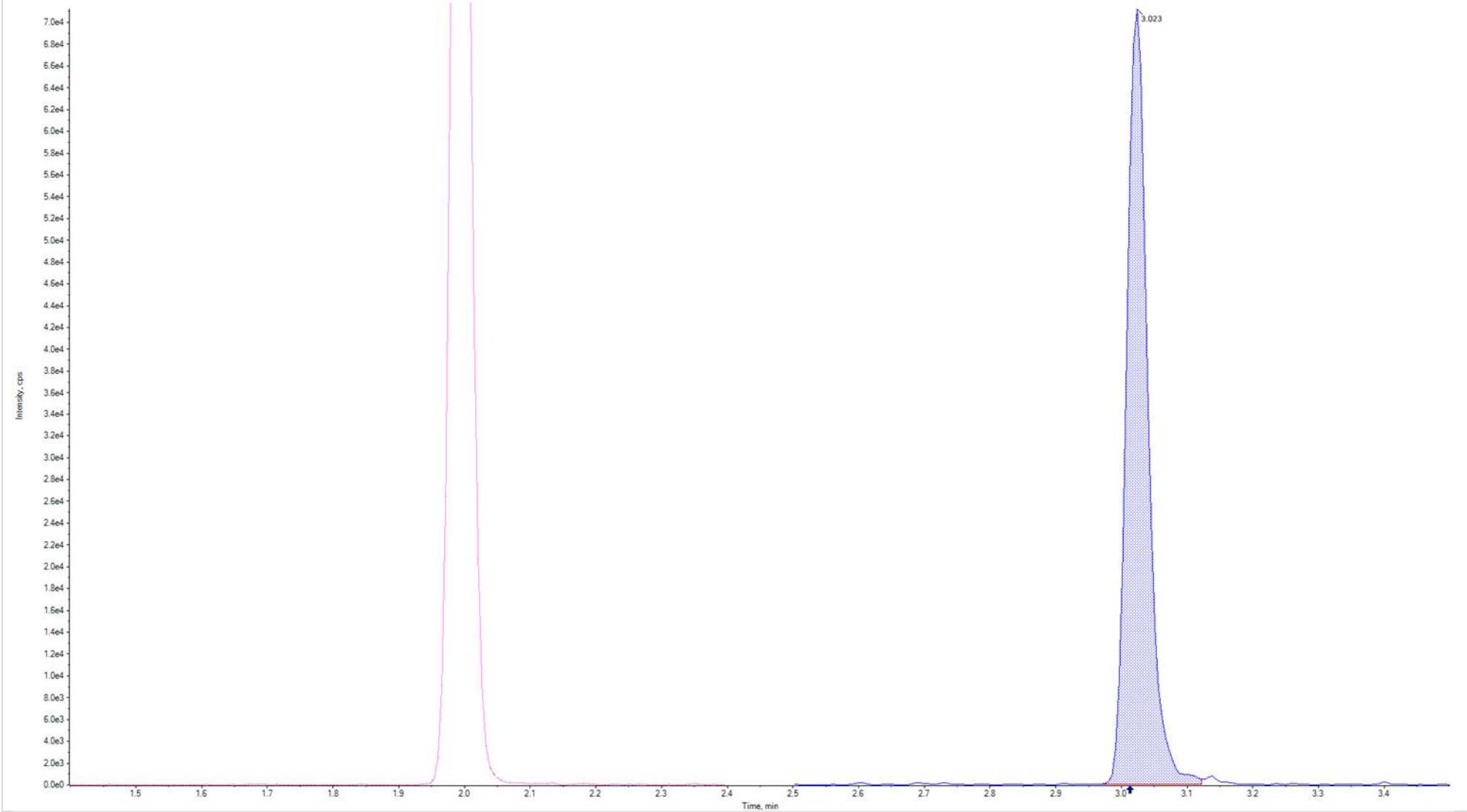


3:3FTCA_2
Sample: IA1633STD-.2 S/N:56.9 Points Across peak:27



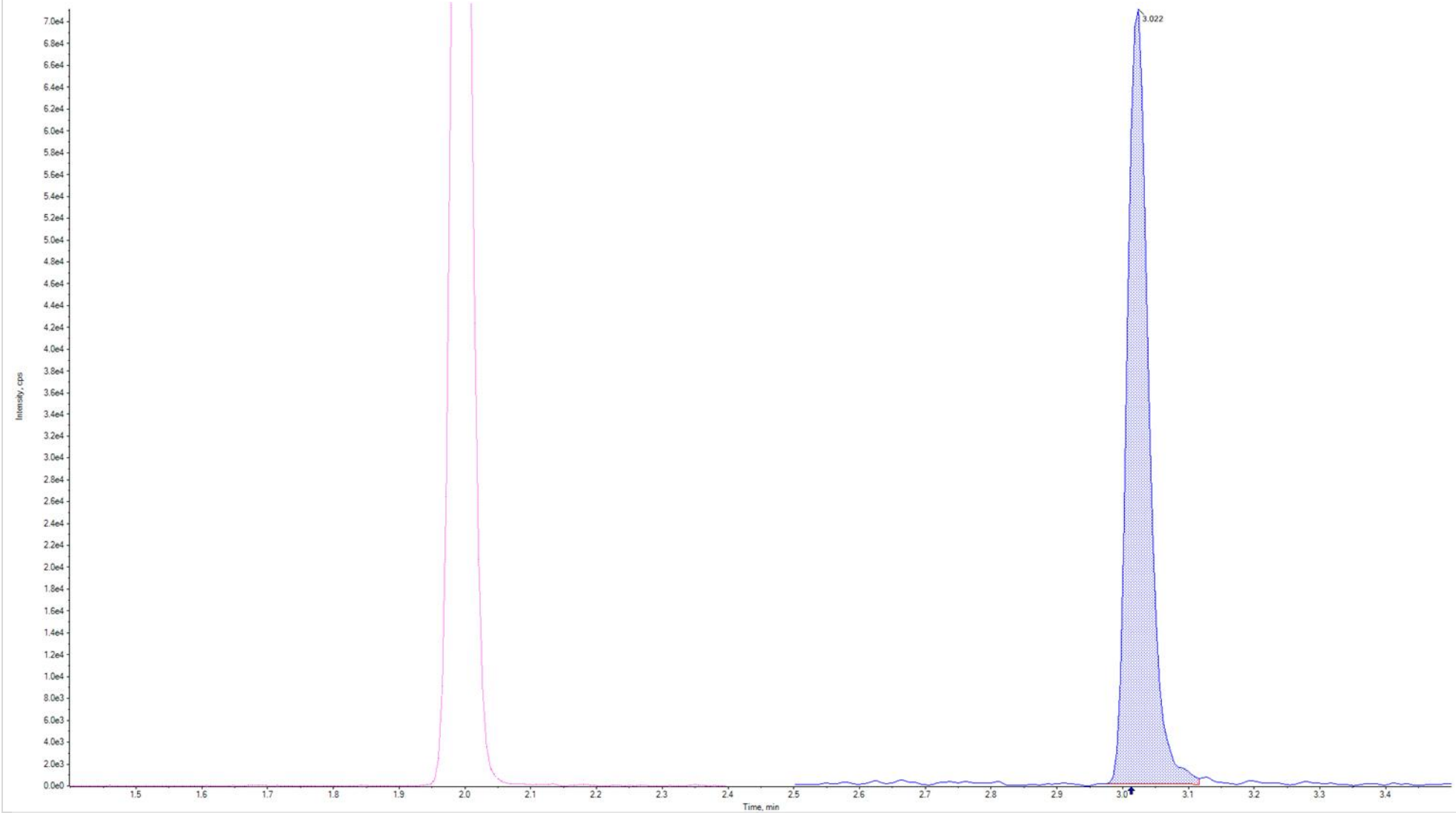
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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5:3FTCA
Sample: IA1633STD-.2 S/N:1605.5 Points Across peak:29



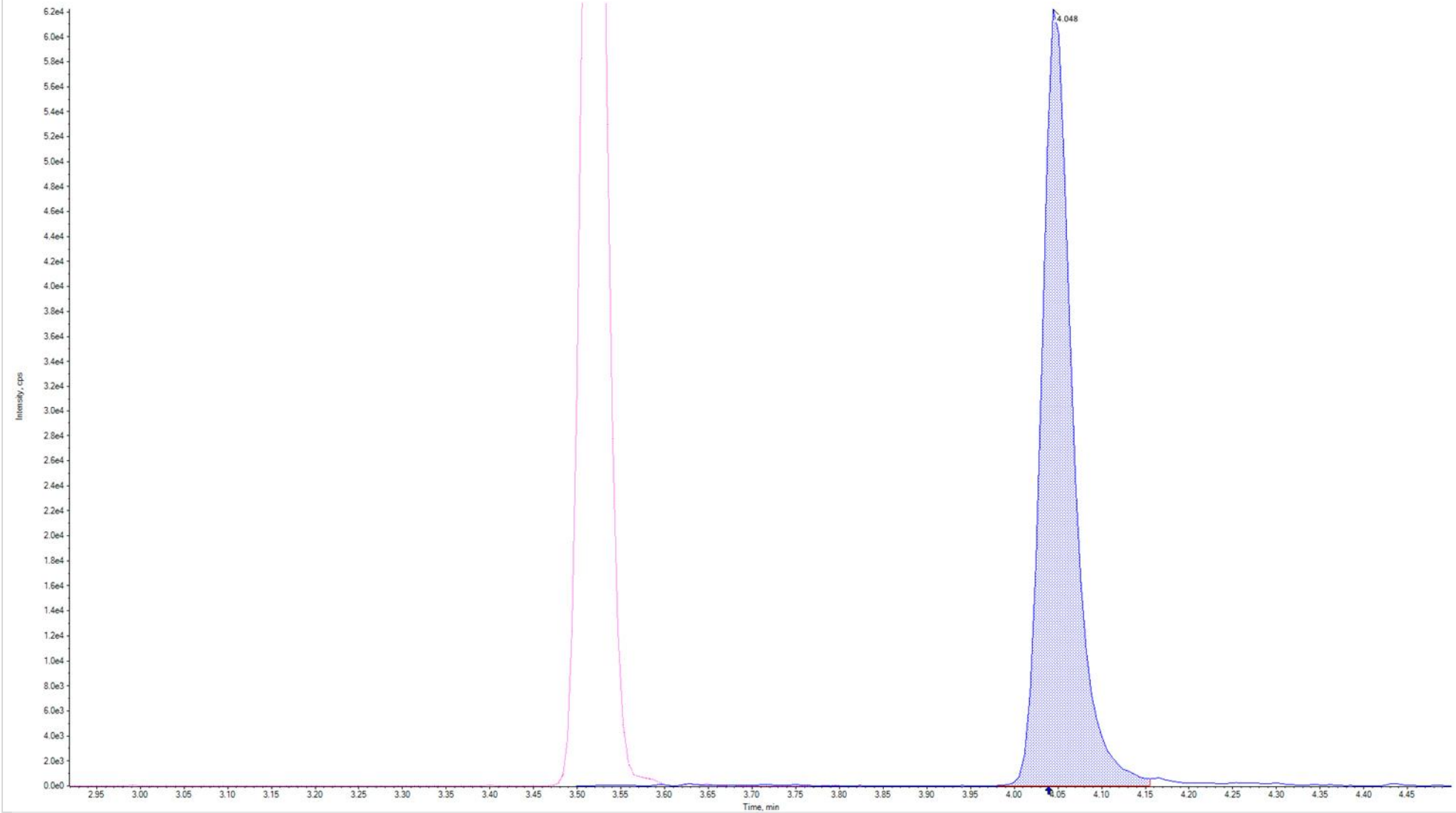
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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5:3FTCA_2
Sample: IA1633STD-.2 S/N:1601.0 Points Across peak:27



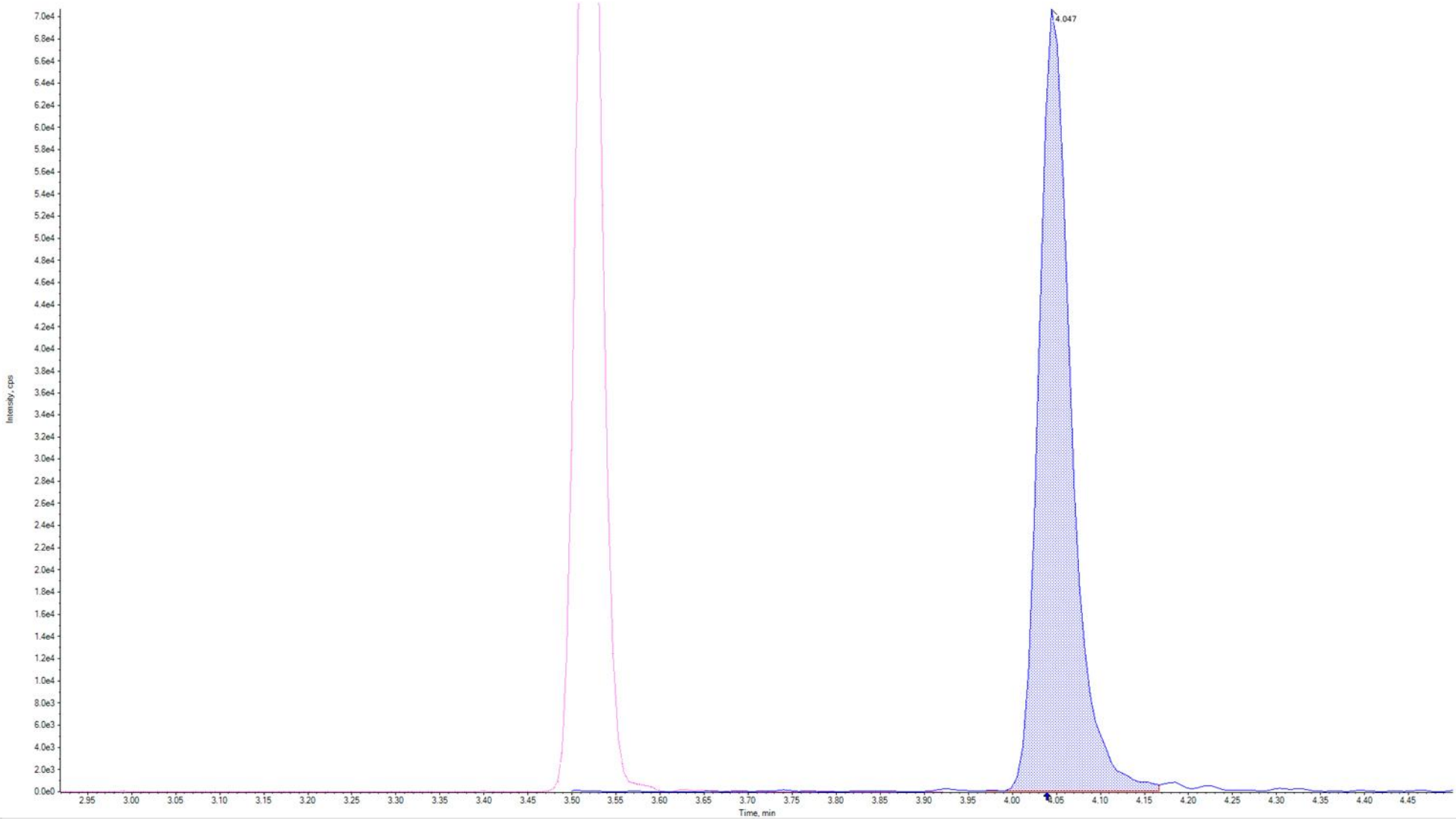
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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7:3FTCA
Sample: IA1633STD-.2 S/N:1432.5 Points Across peak:31



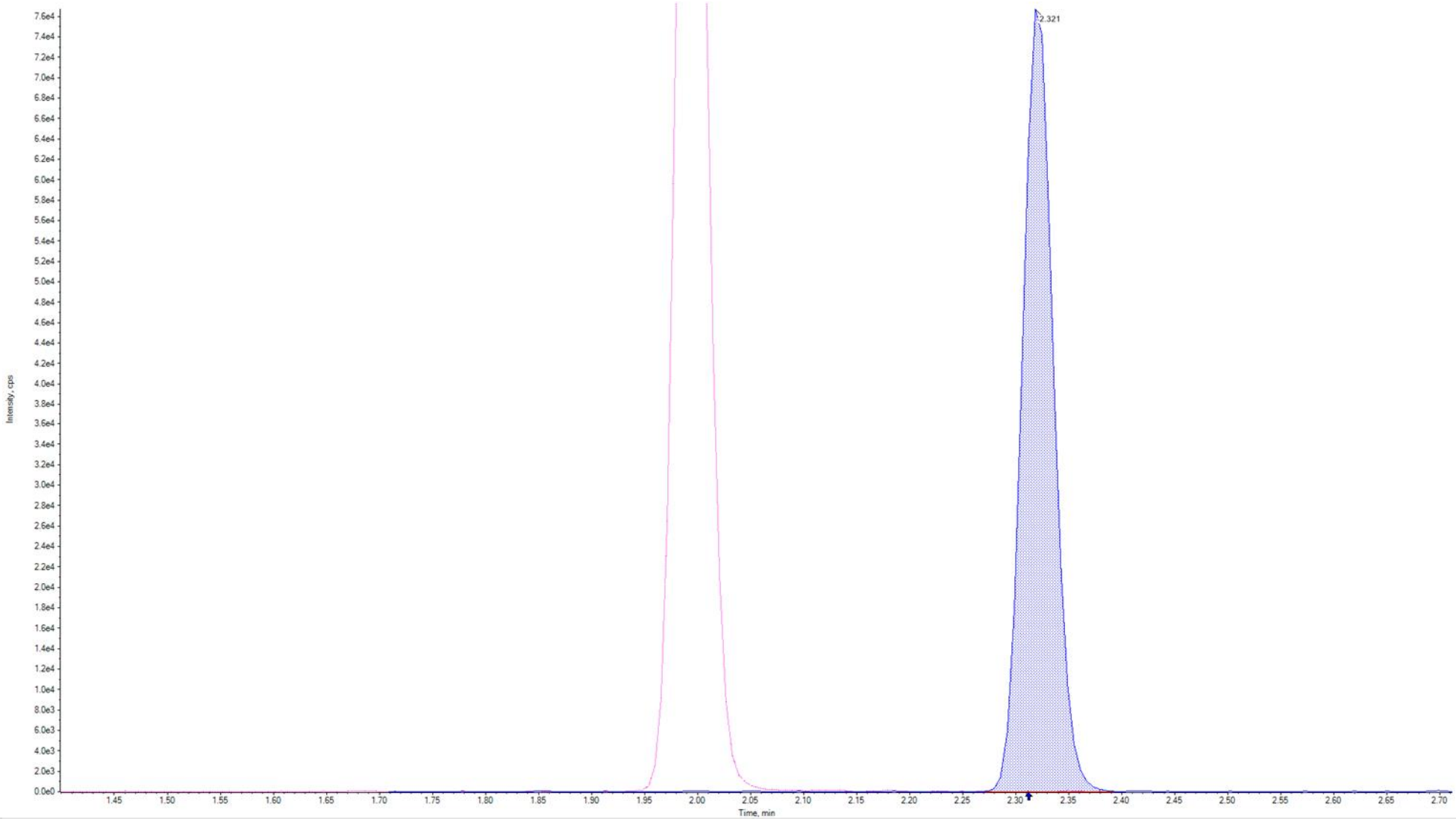
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_12.wiff2_2
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

7:3FTCA_2
Sample: IA1633STD-.2 S/N:1947.1 Points Across peak:34



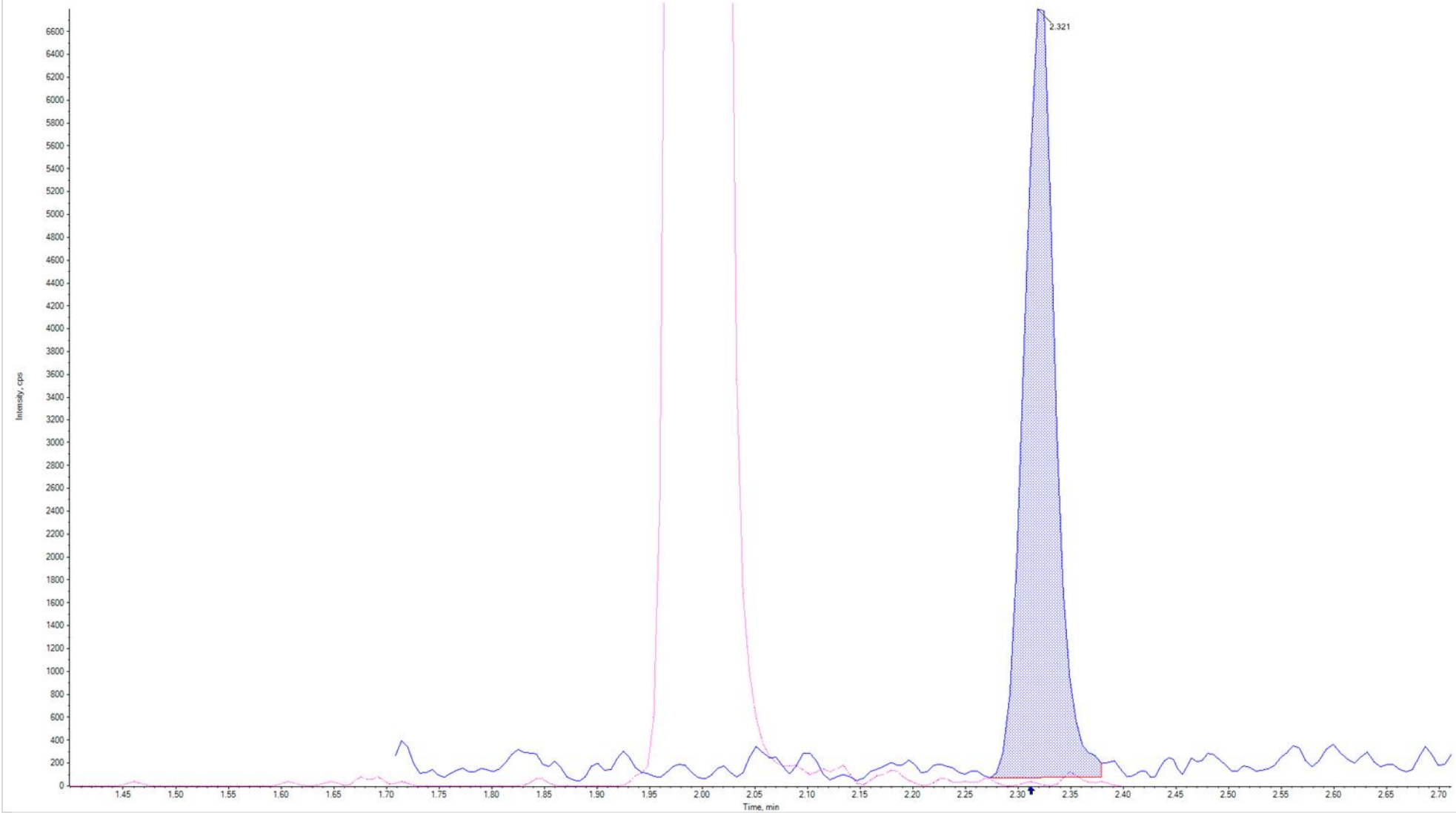
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Alpha Analytical LLC
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PFEESA
Sample: IA1633STD-.2 S/N:1730.6 Points Across peak:28



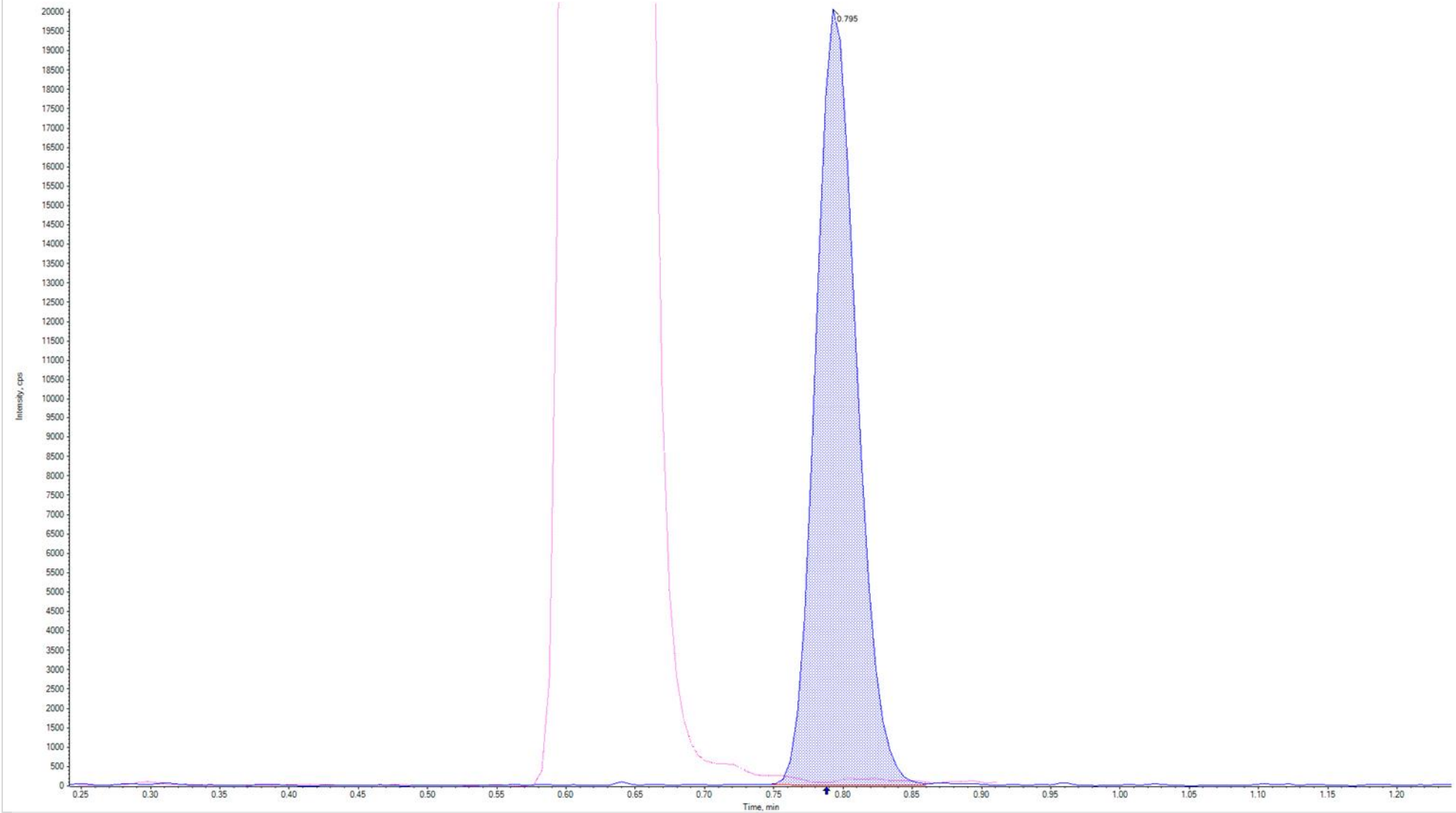
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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PFEESA_2
Sample: IA1633STD-.2 S/N:151.7 Points Across peak:18



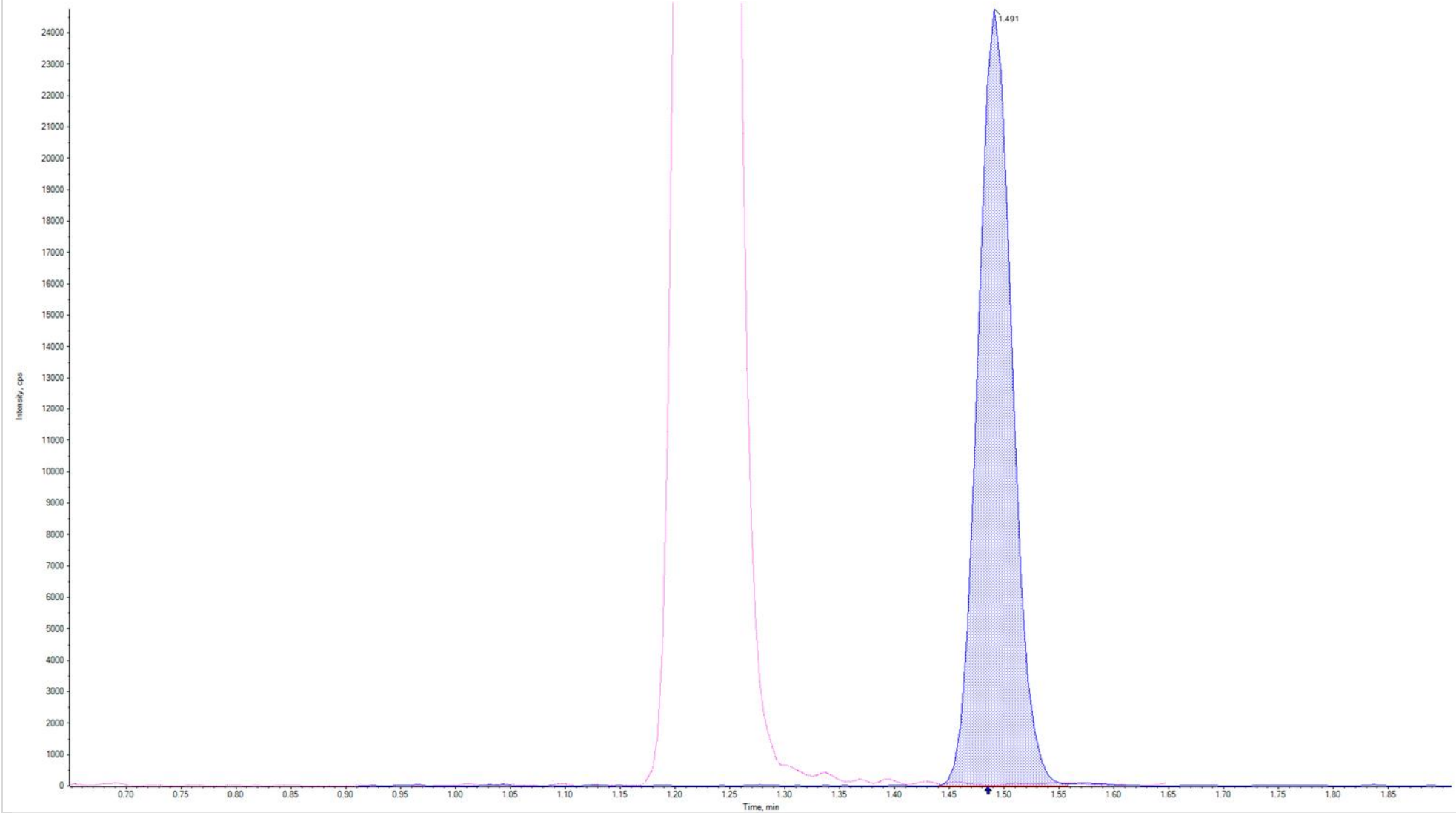
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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PFMPA
Sample: IA1633STD-.2 S/N:2010.1 Points Across peak:24



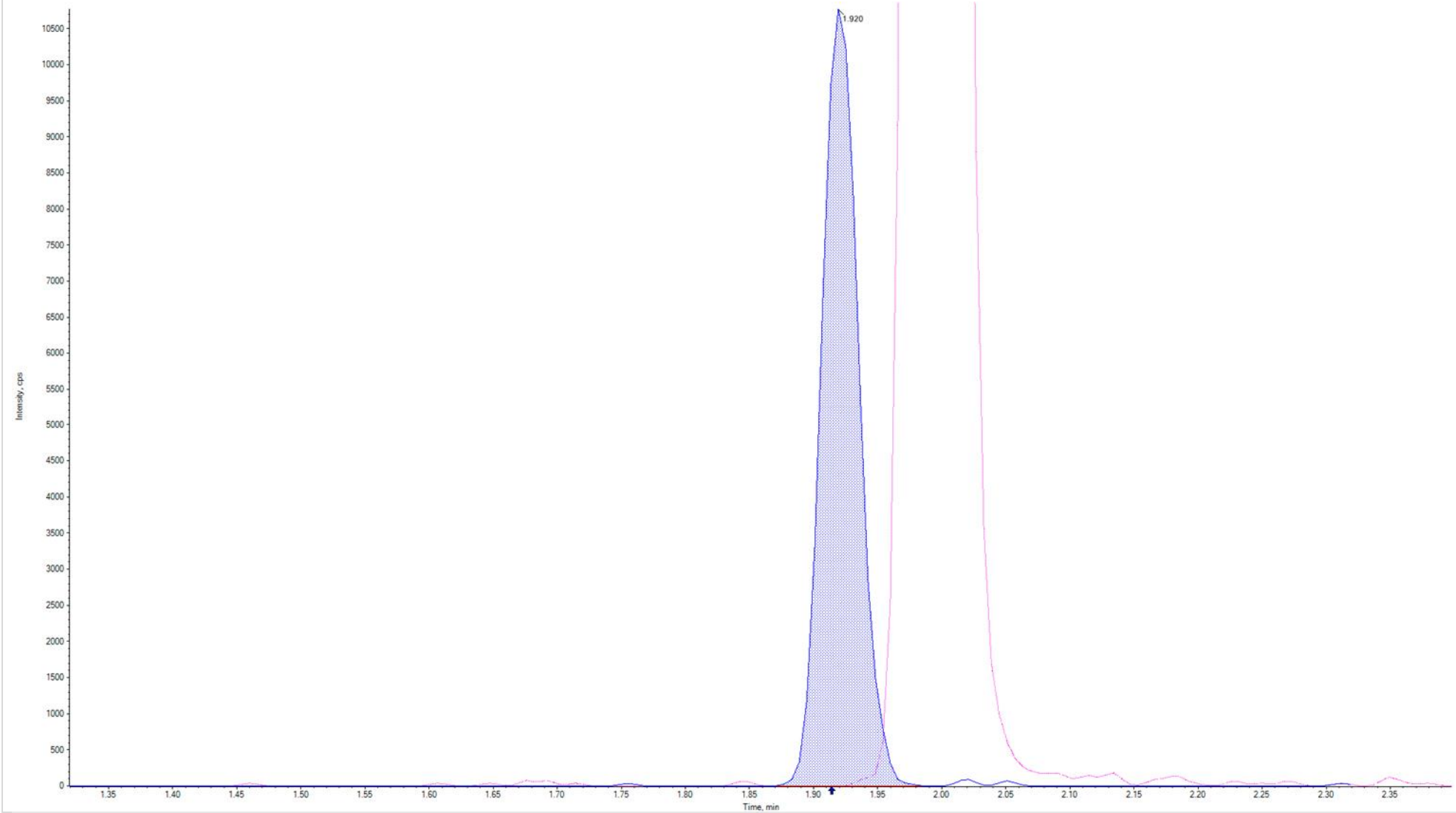
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_12.wiff2_2
Last Altered: 12/16/2024 8:11:58 PM
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PFMBA
Sample: IA1633STD-.2 S/N:1427.3 Points Across peak:22



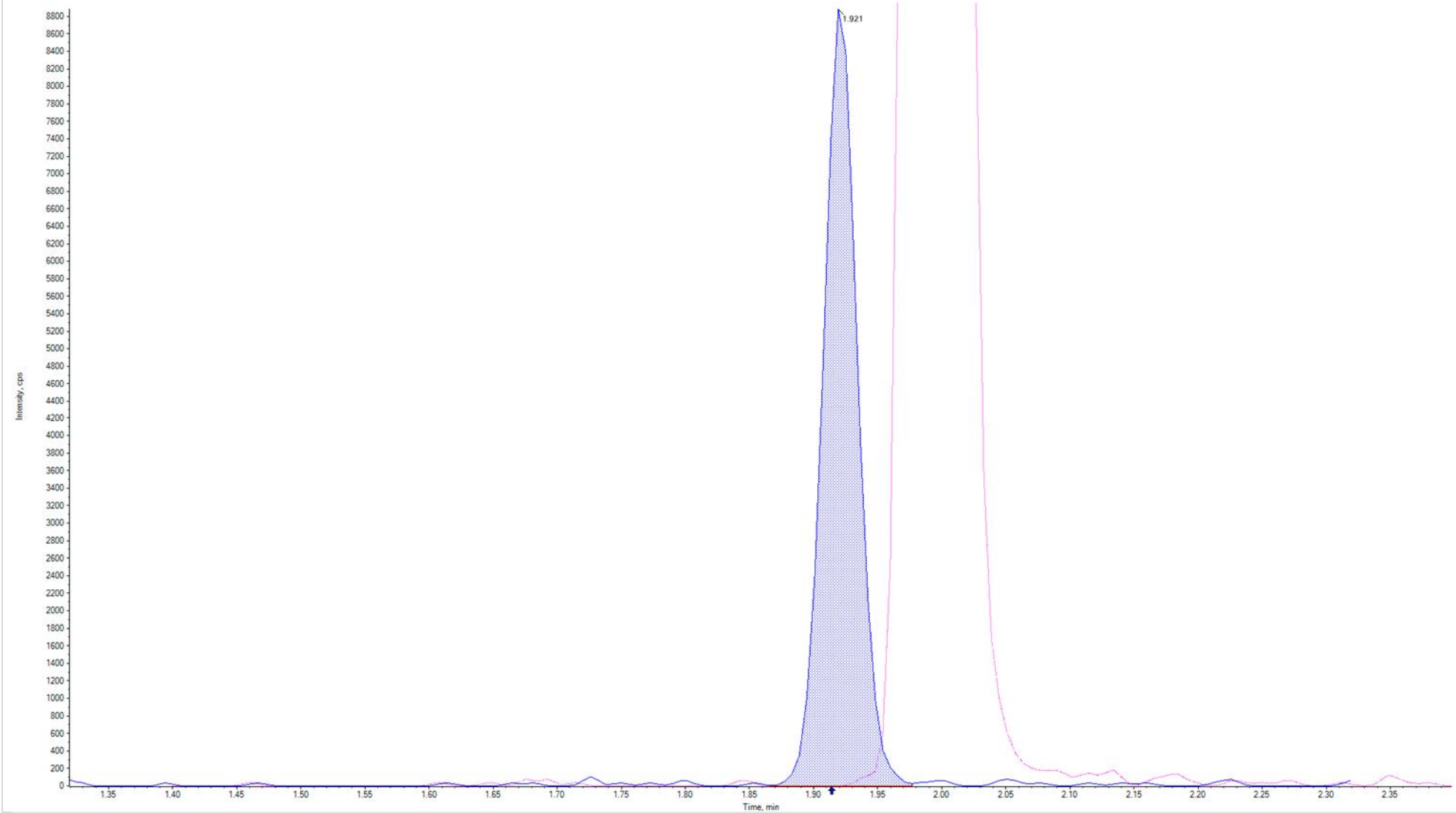
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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NFDHA
Sample: IA1633STD-.2 S/N:297.0 Points Across peak:27



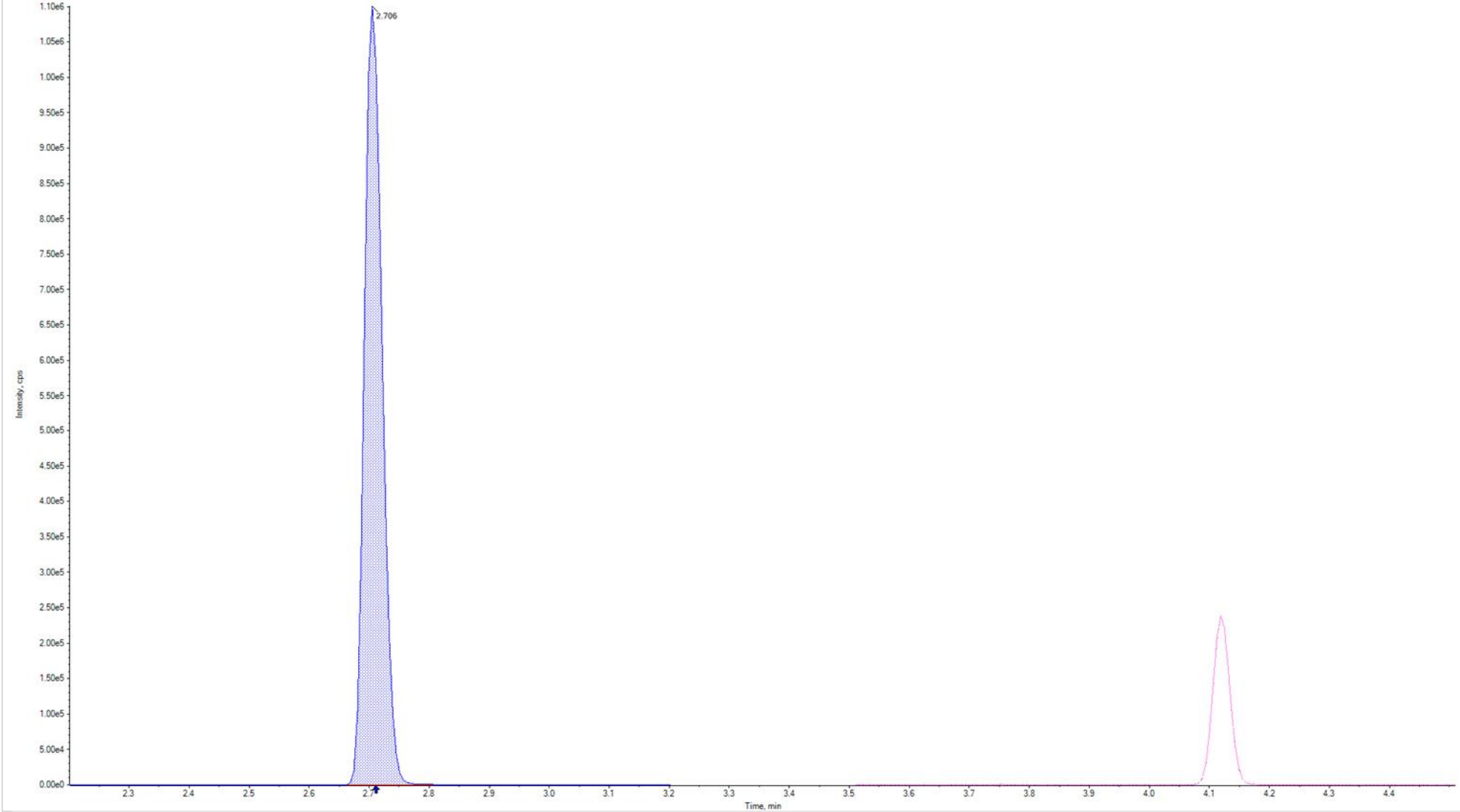
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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NFDHA_2
Sample: IA1633STD-.2 S/N:244.9 Points Across peak:20



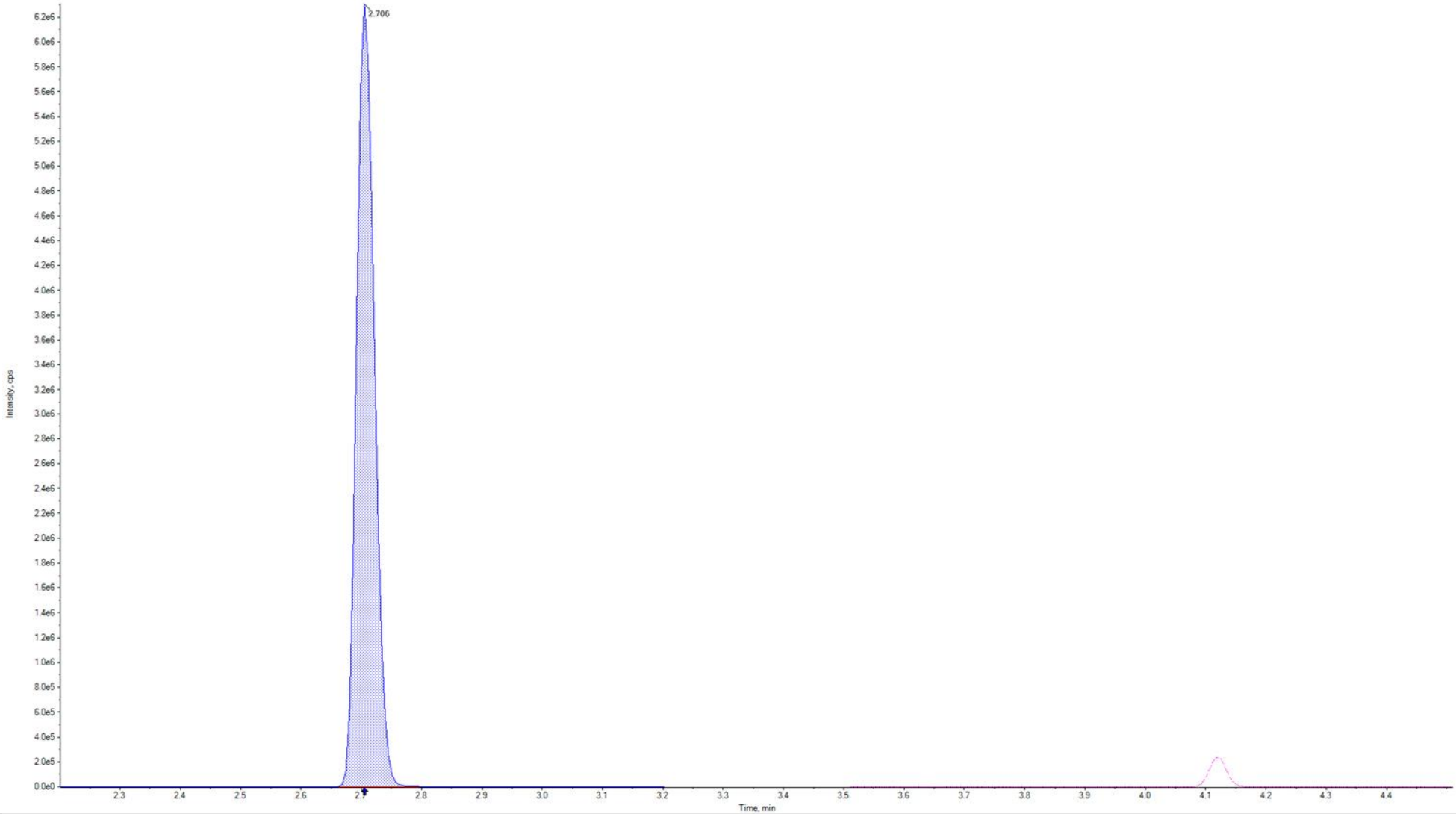
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Alpha Analytical LLC
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TDCA
Sample: IA1633STD-.2 S/N:8674.6 Points Across peak:36



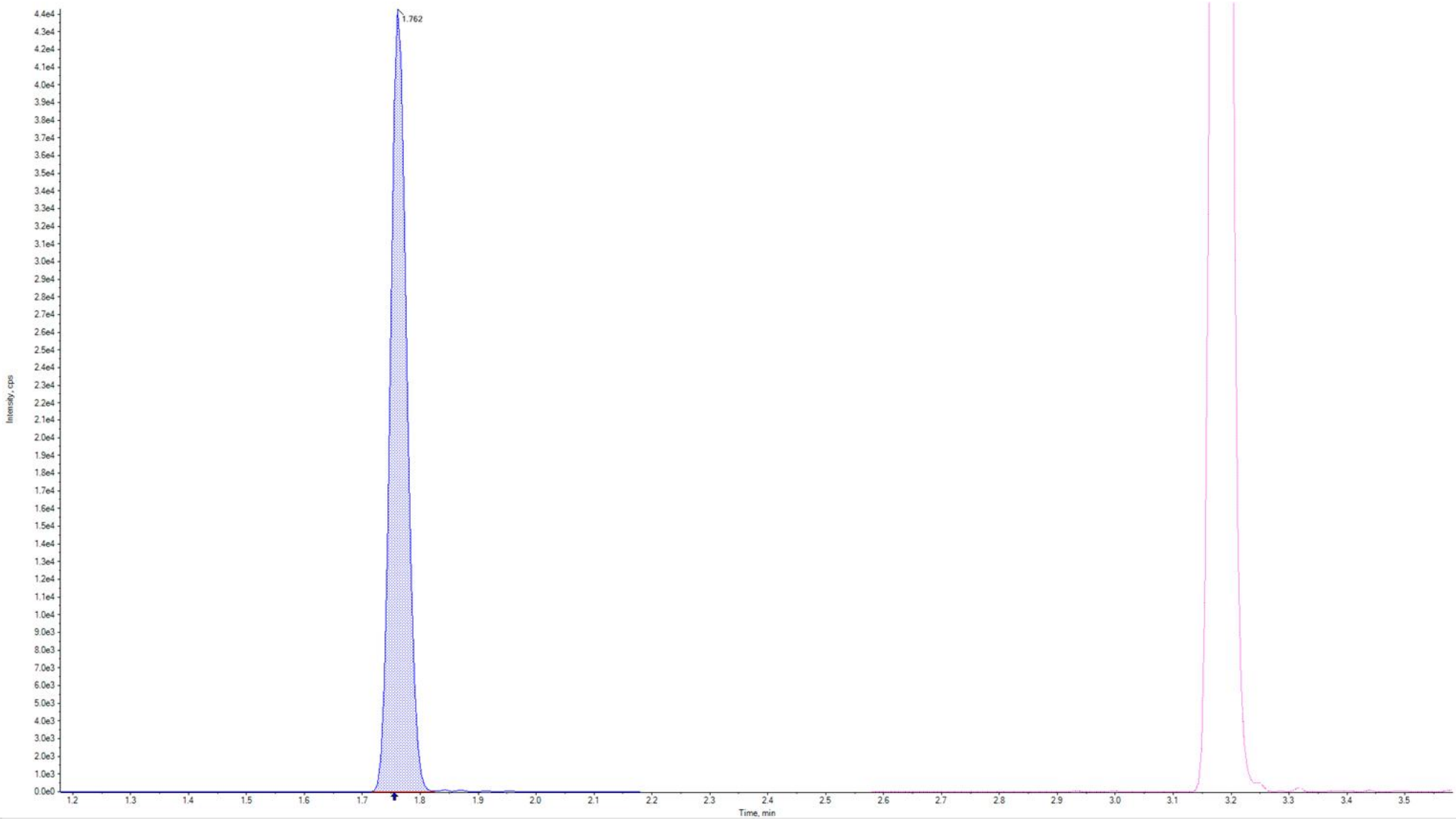
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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TDCA_2
Sample: IA1633STD-.2 S/N:6864.5 Points Across peak:43



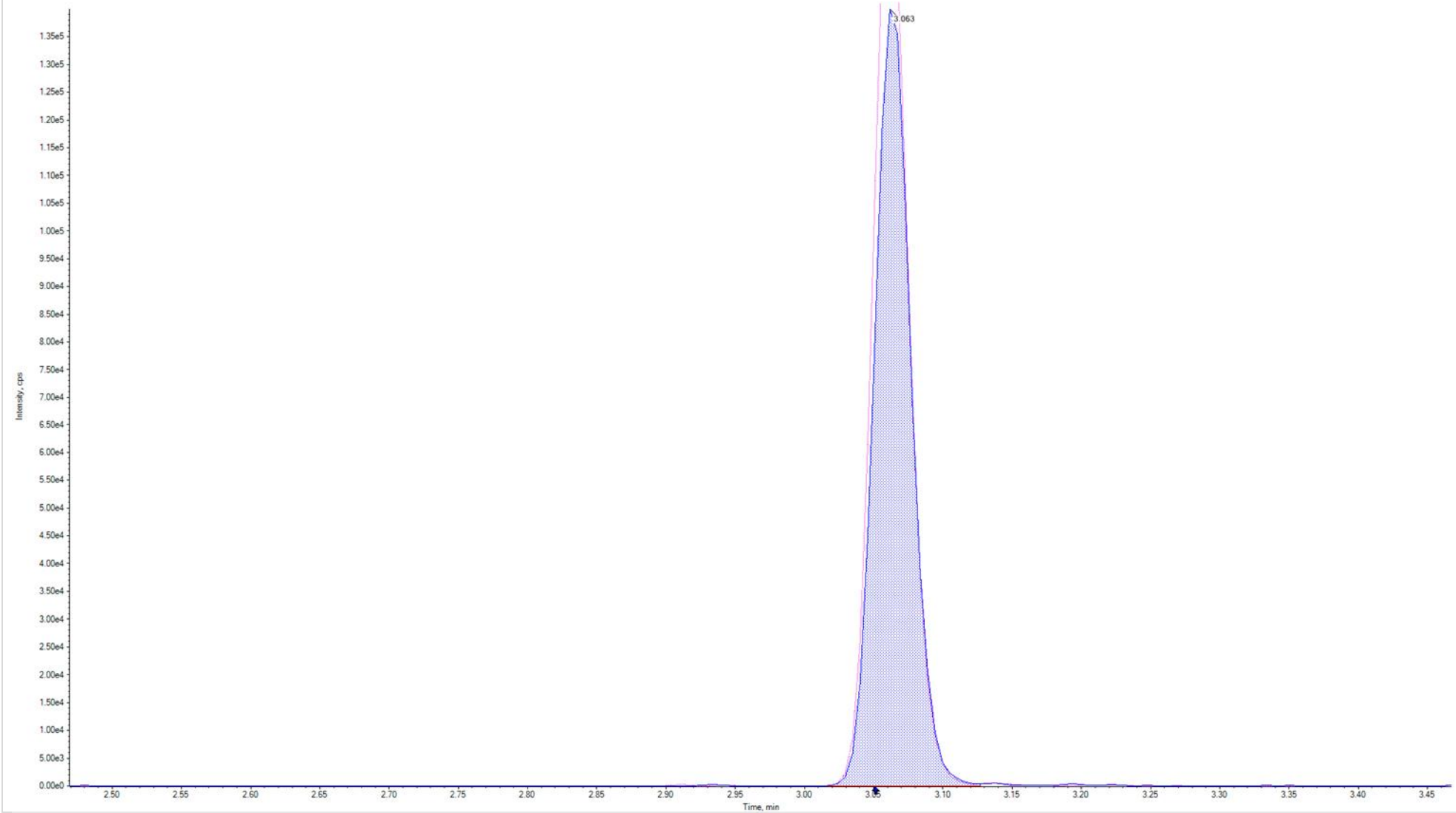
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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13C2D4-4:2FTS
Sample: IA1633STD-.2 S/N:1665.0 Points Across peak:25

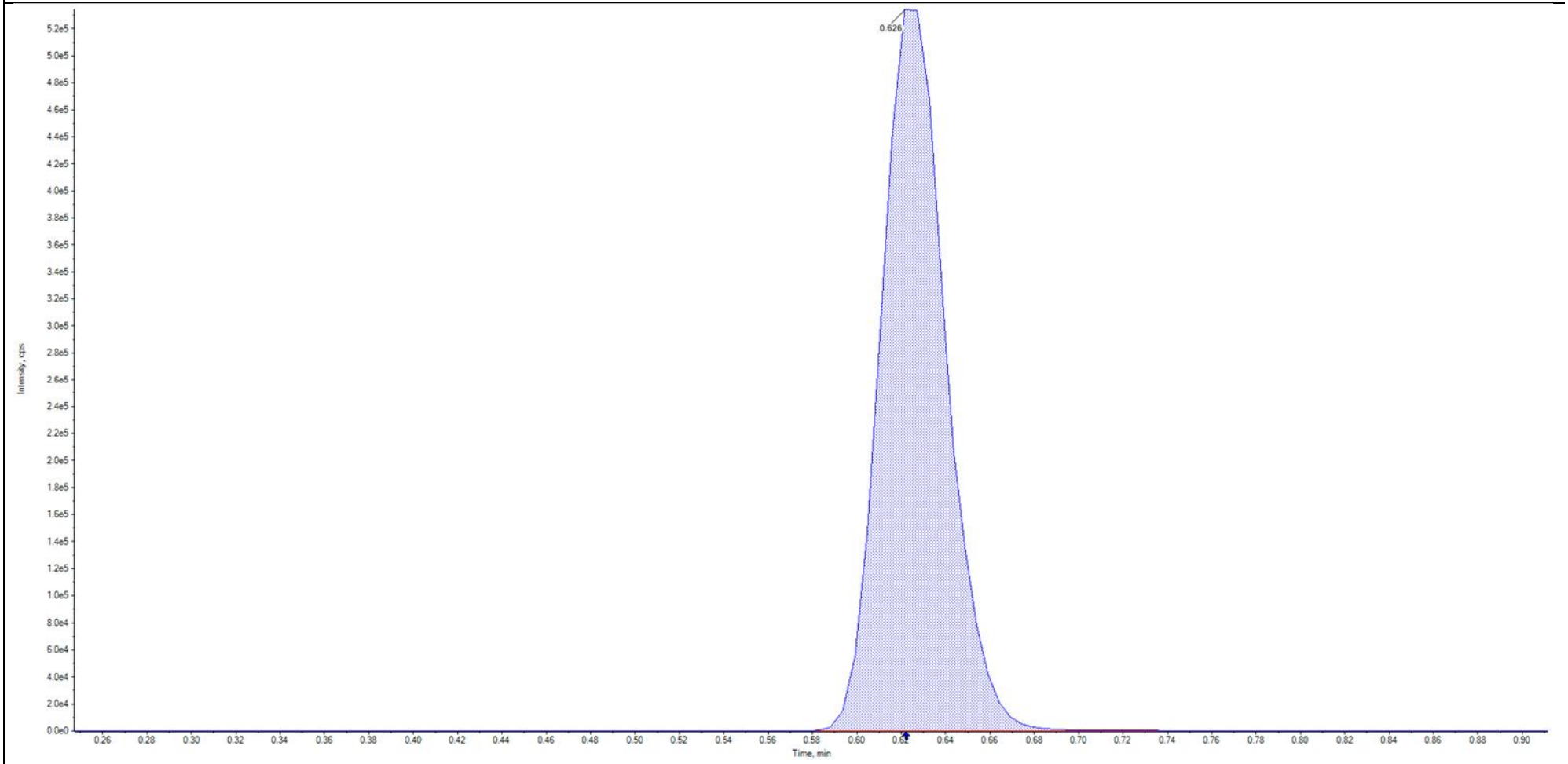


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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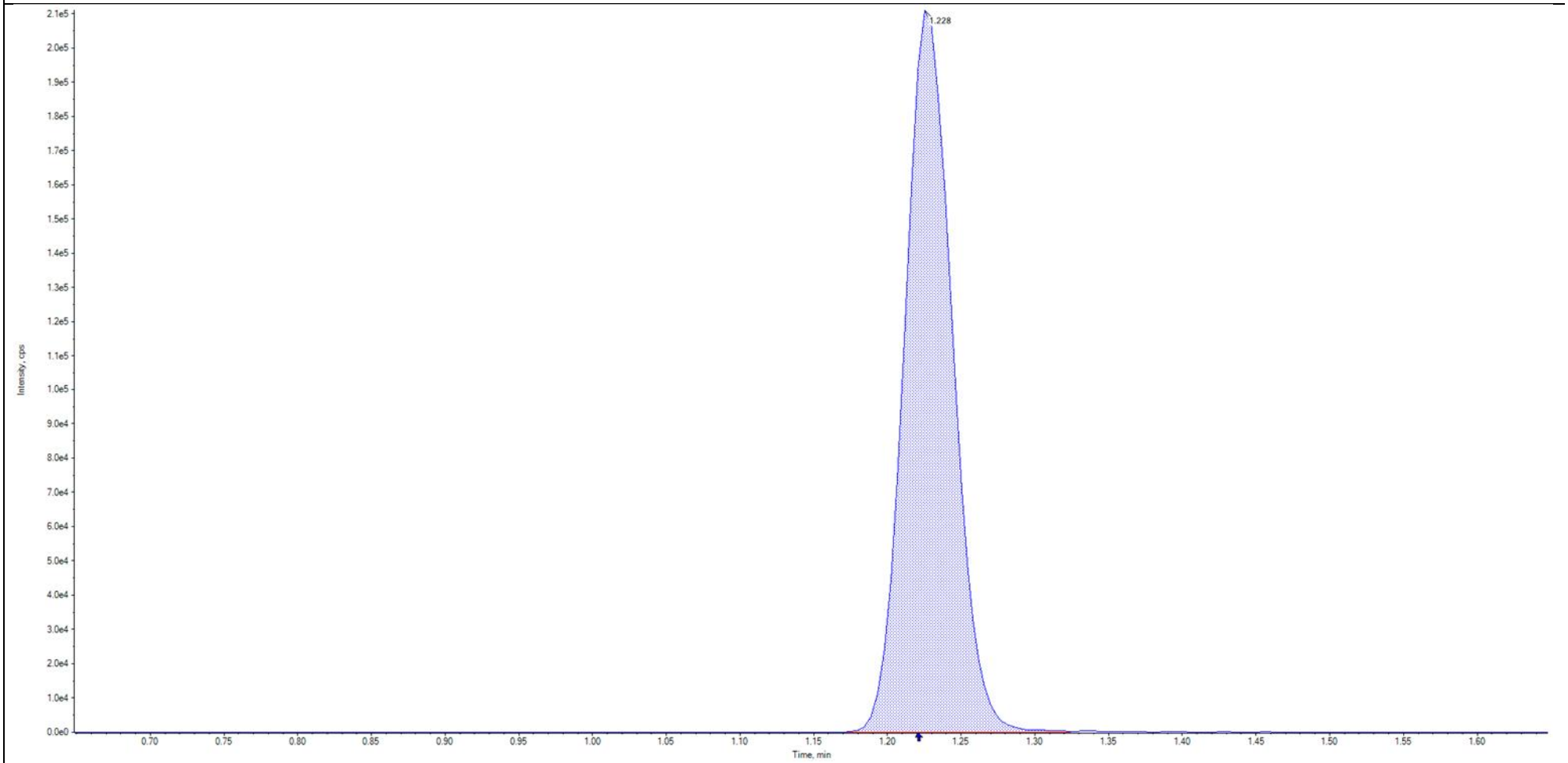
13C2-PFOA
Sample: IA1633STD-.2 S/N:3157.6 Points Across peak:25



13C4-PFBA
Sample: IA1633STD-.2

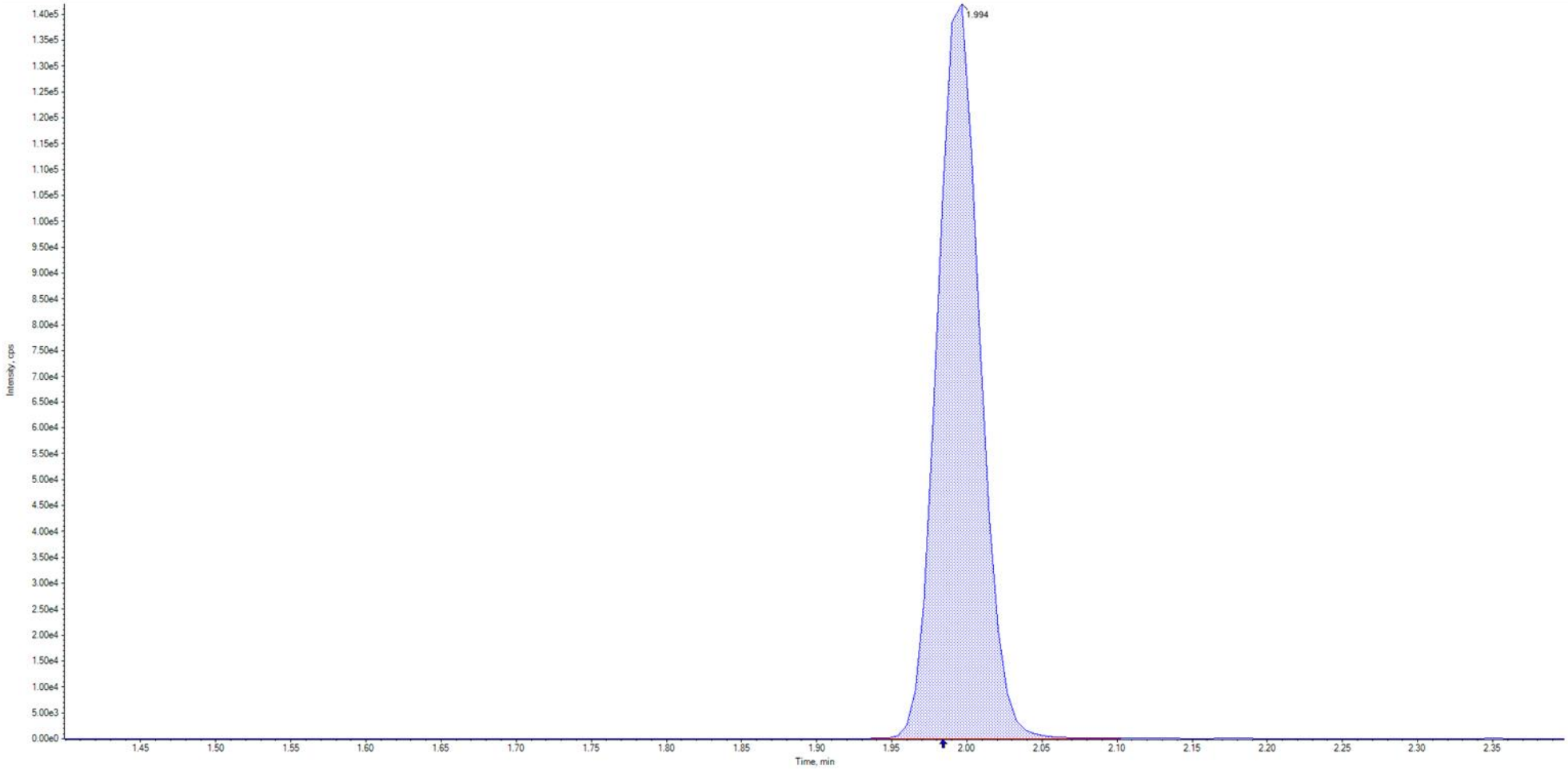


13C5-PFPeA
Sample: IA1633STD-.2

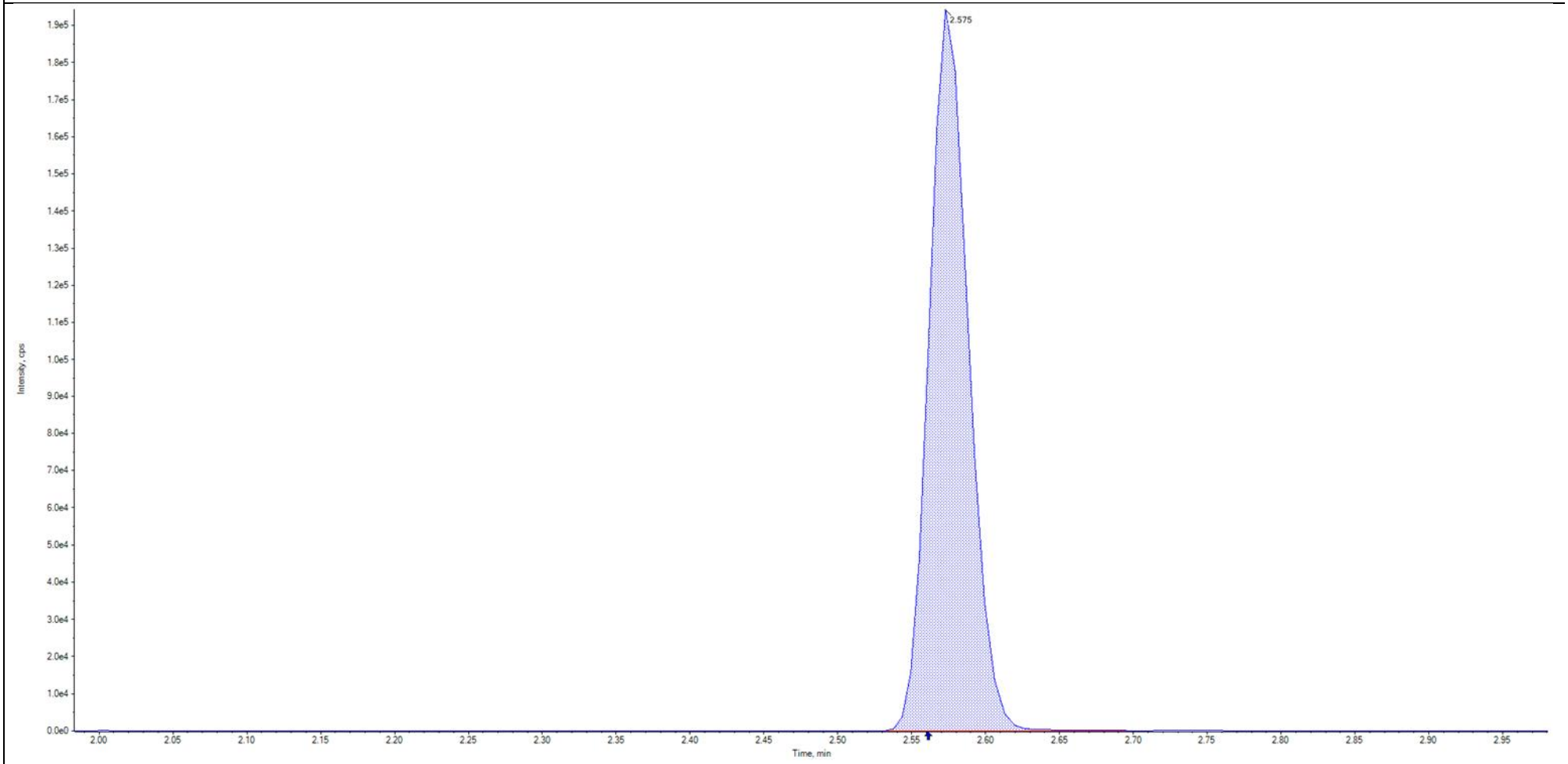


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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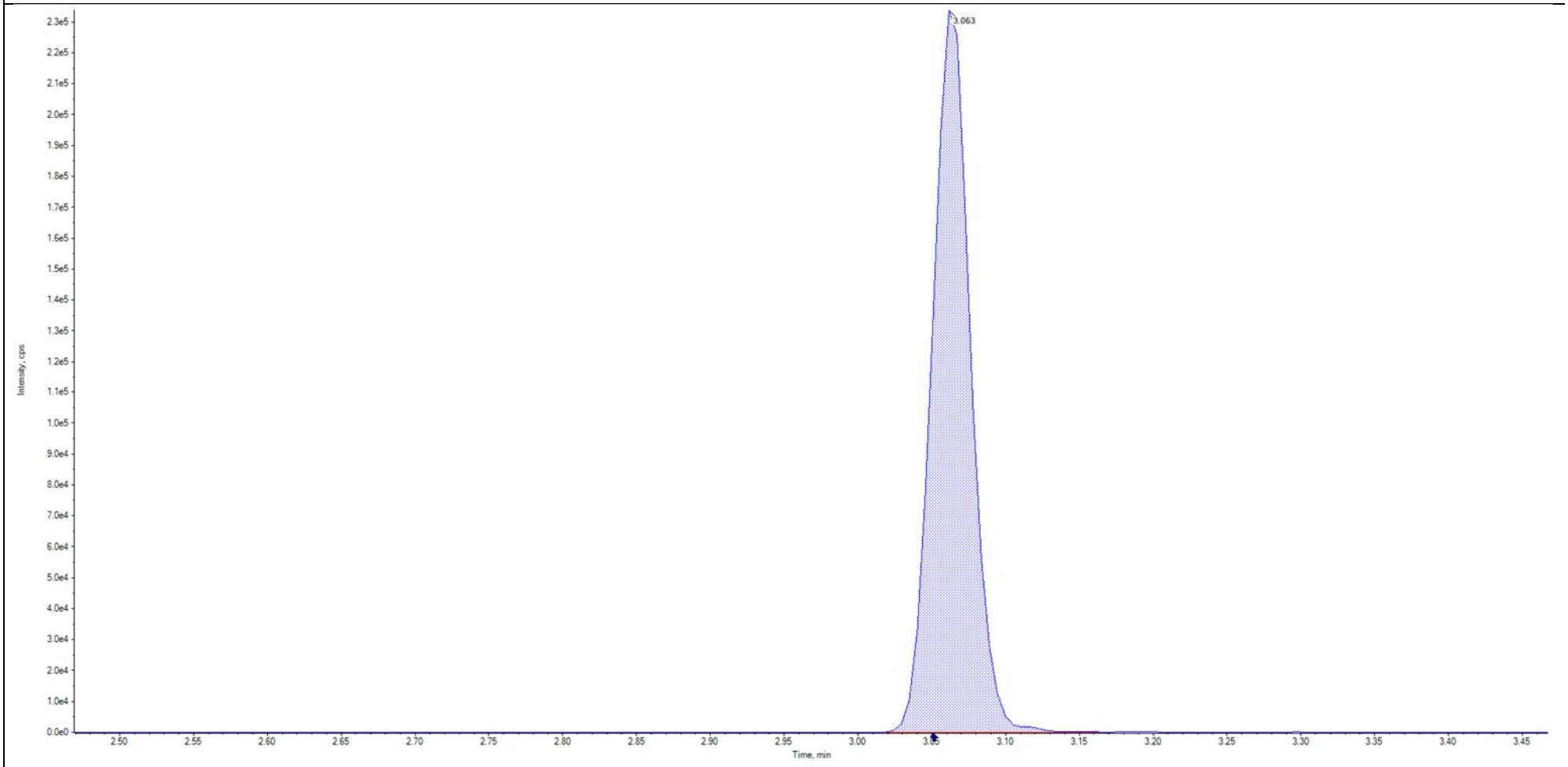
13C5-PFHxA
Sample: IA1633STD-.2



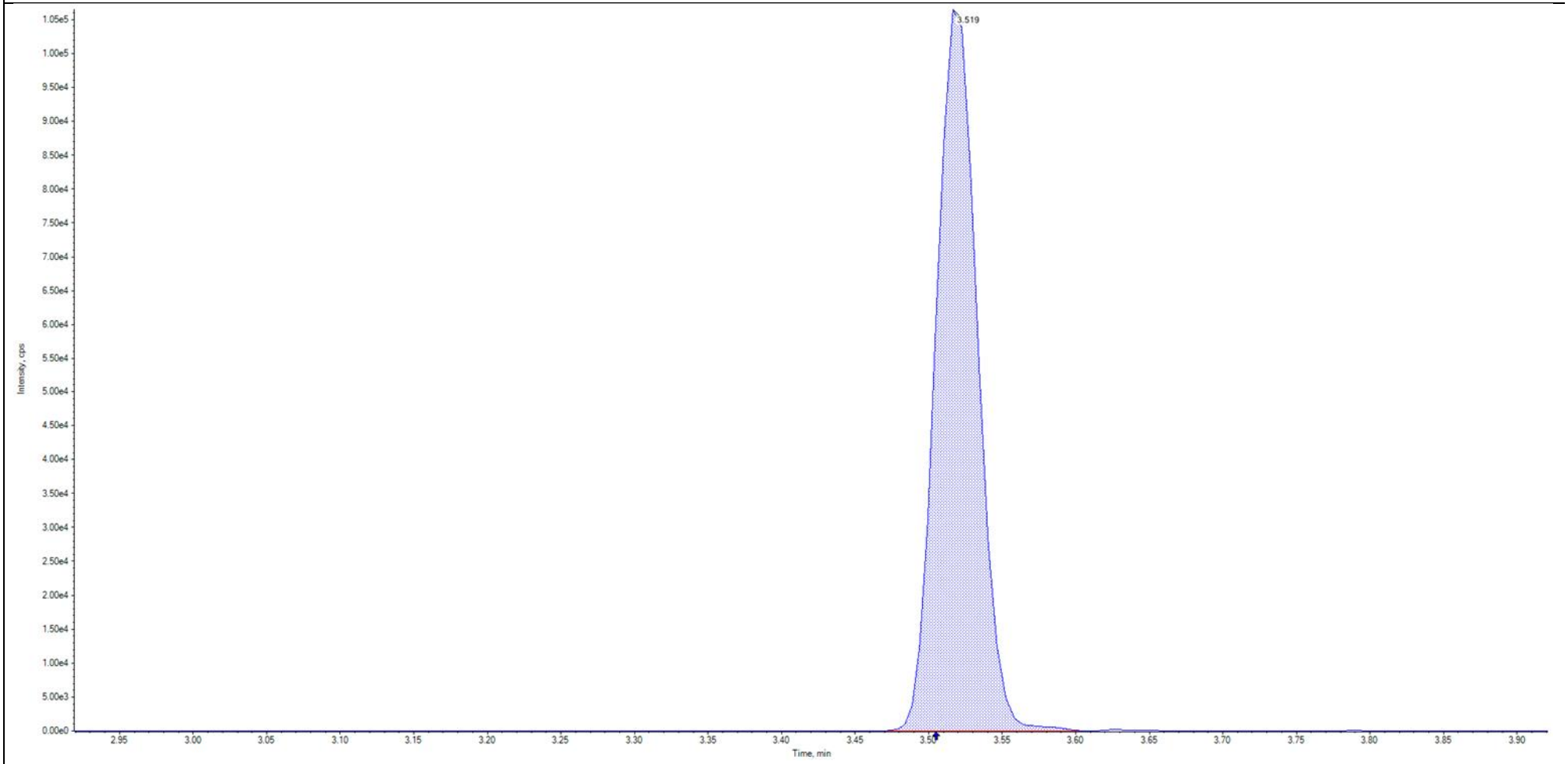
13C4-PFHpA
Sample: IA1633STD-.2



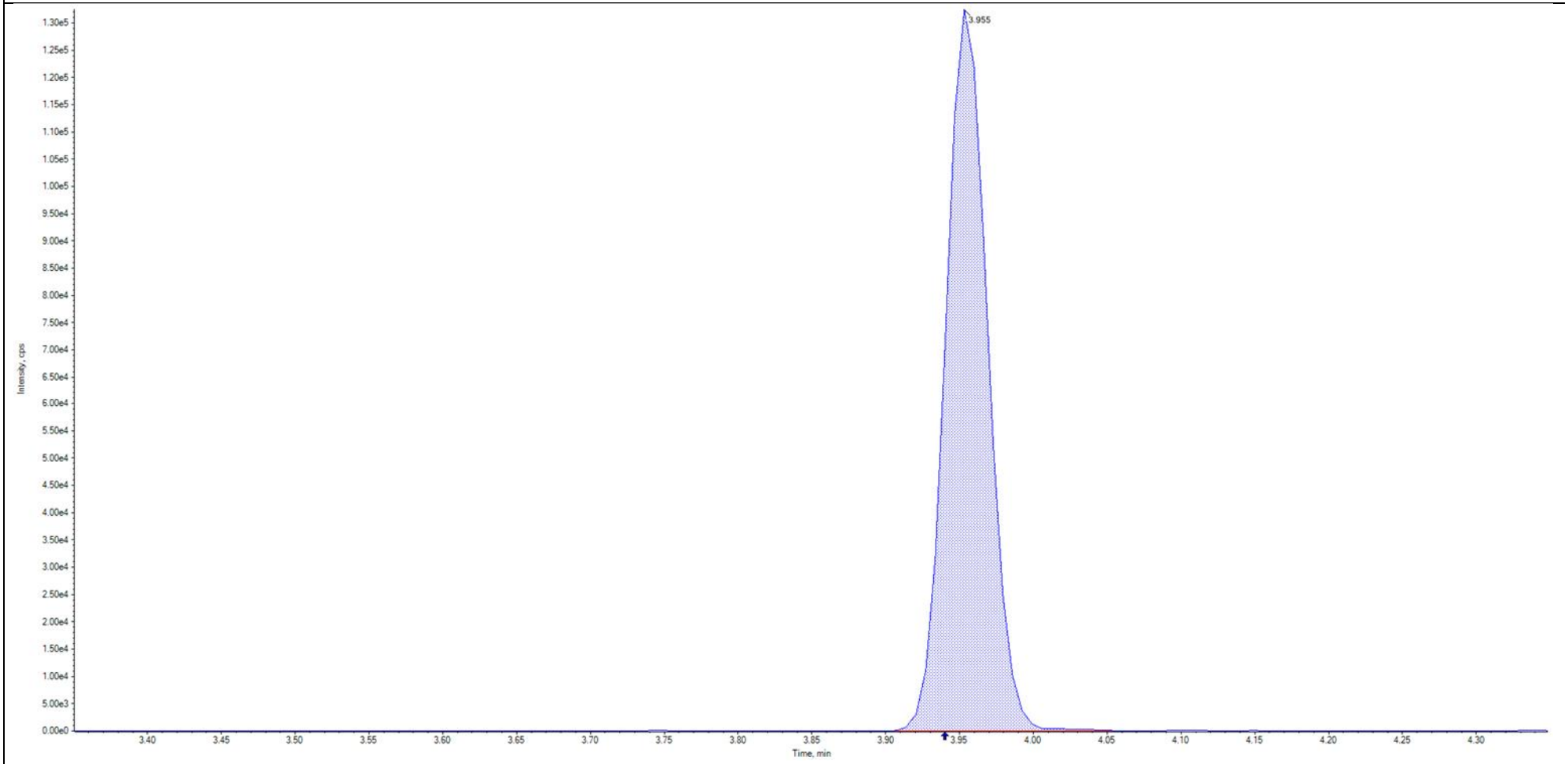
13C8-PFOA
Sample: IA1633STD-.2



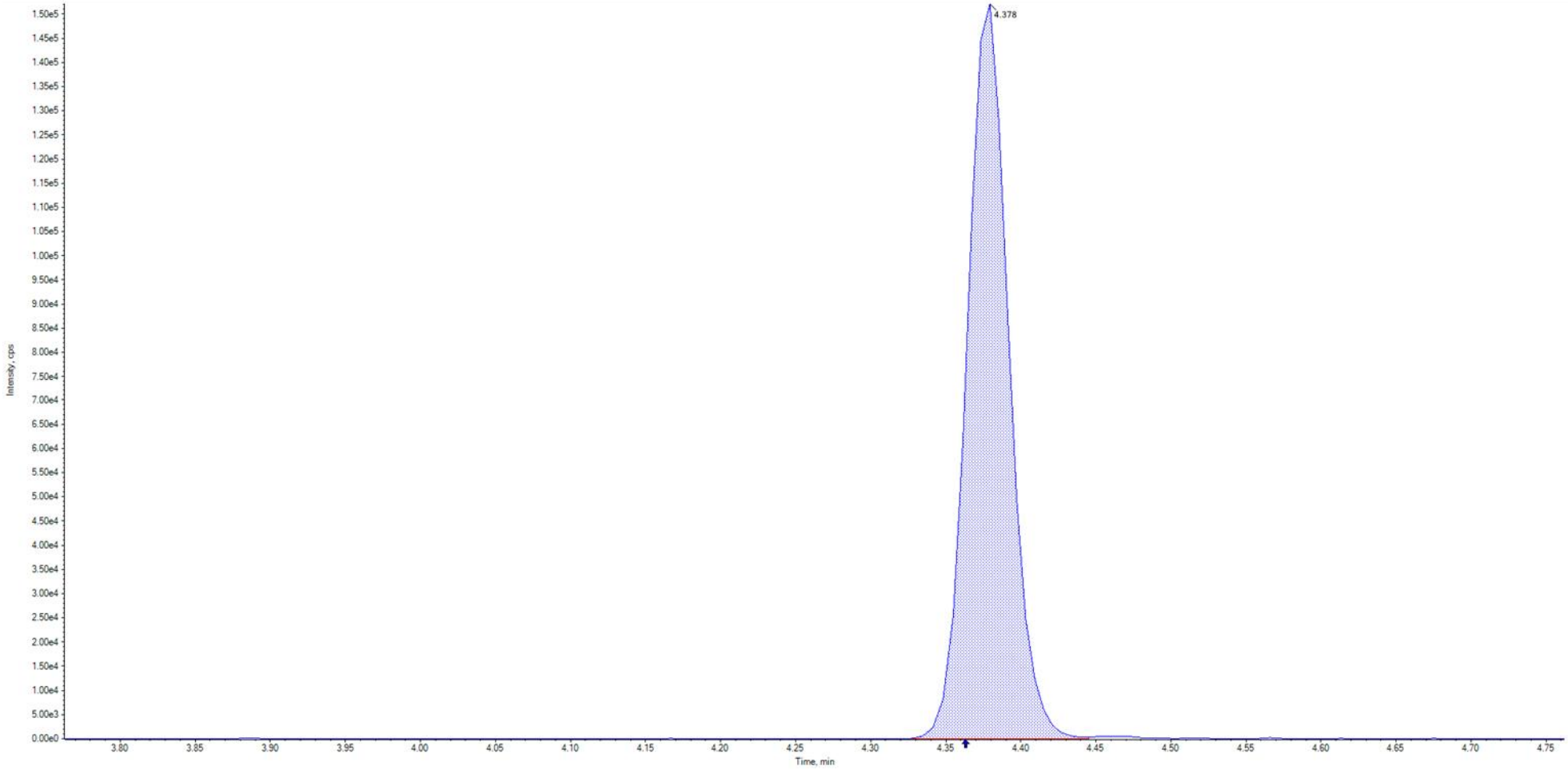
13C9-PFNA
Sample: IA1633STD-.2



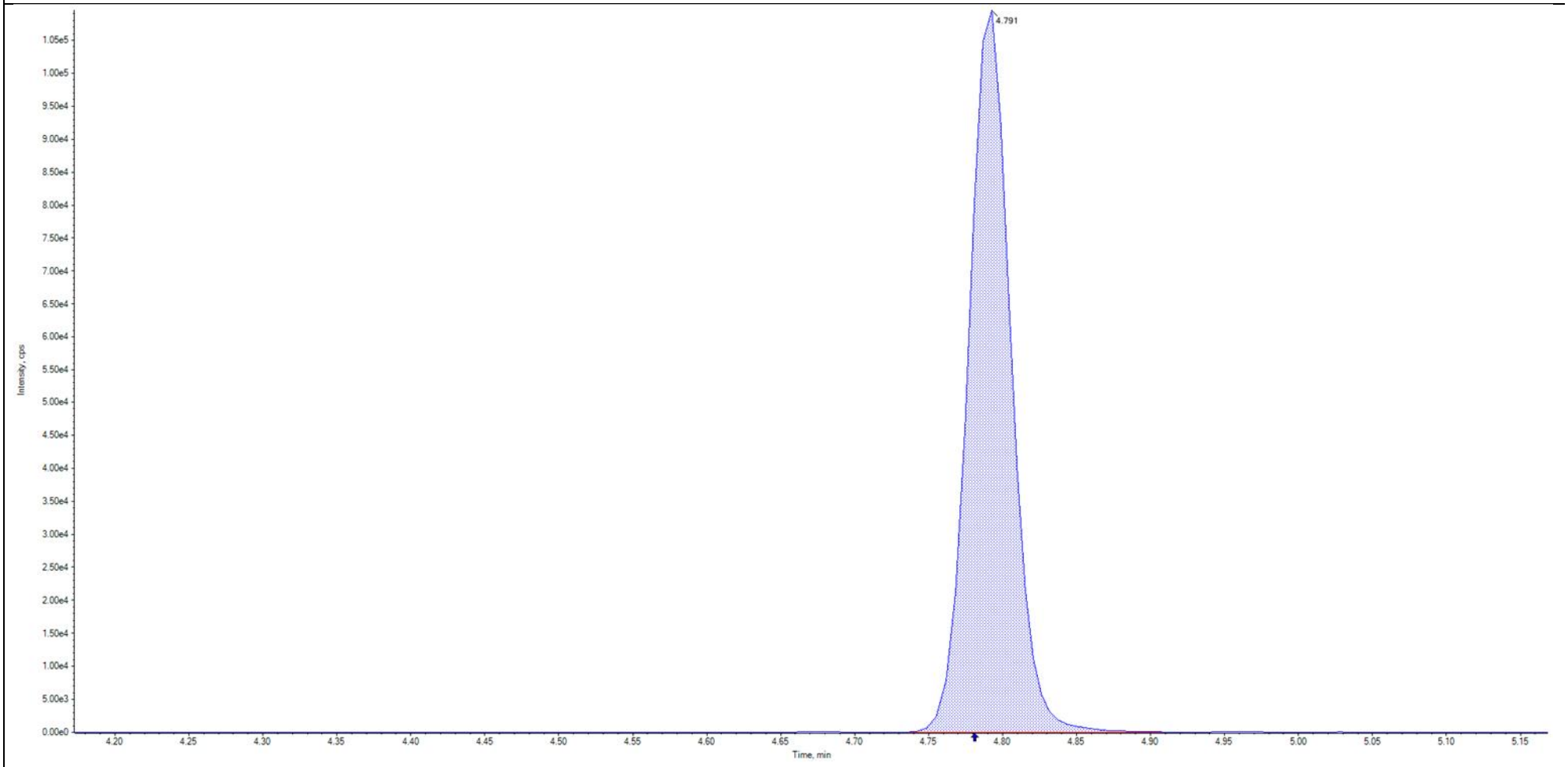
13C6-PFDA
Sample: IA1633STD-.2



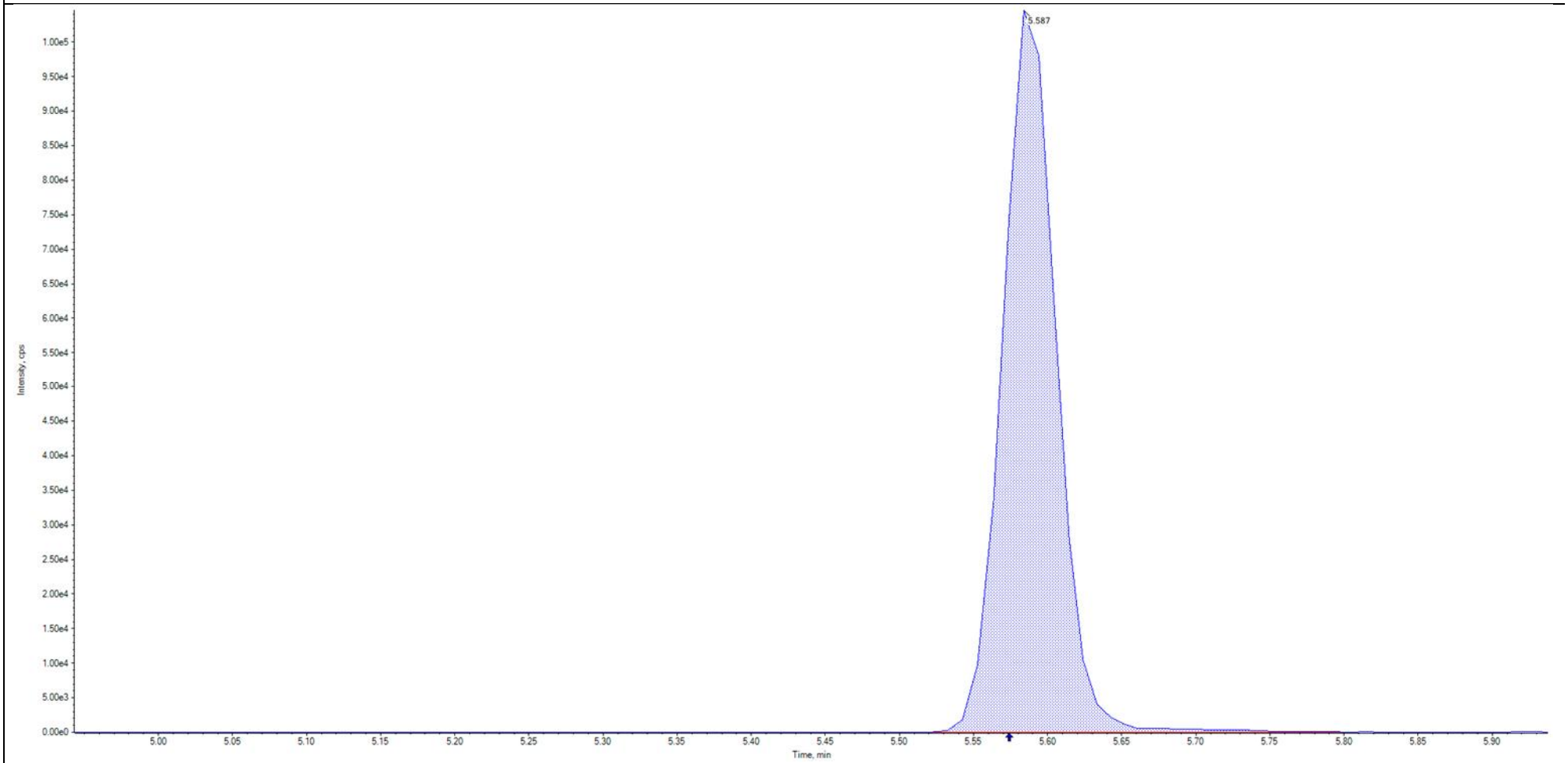
13C7-PFUnA
Sample: IA1633STD-.2



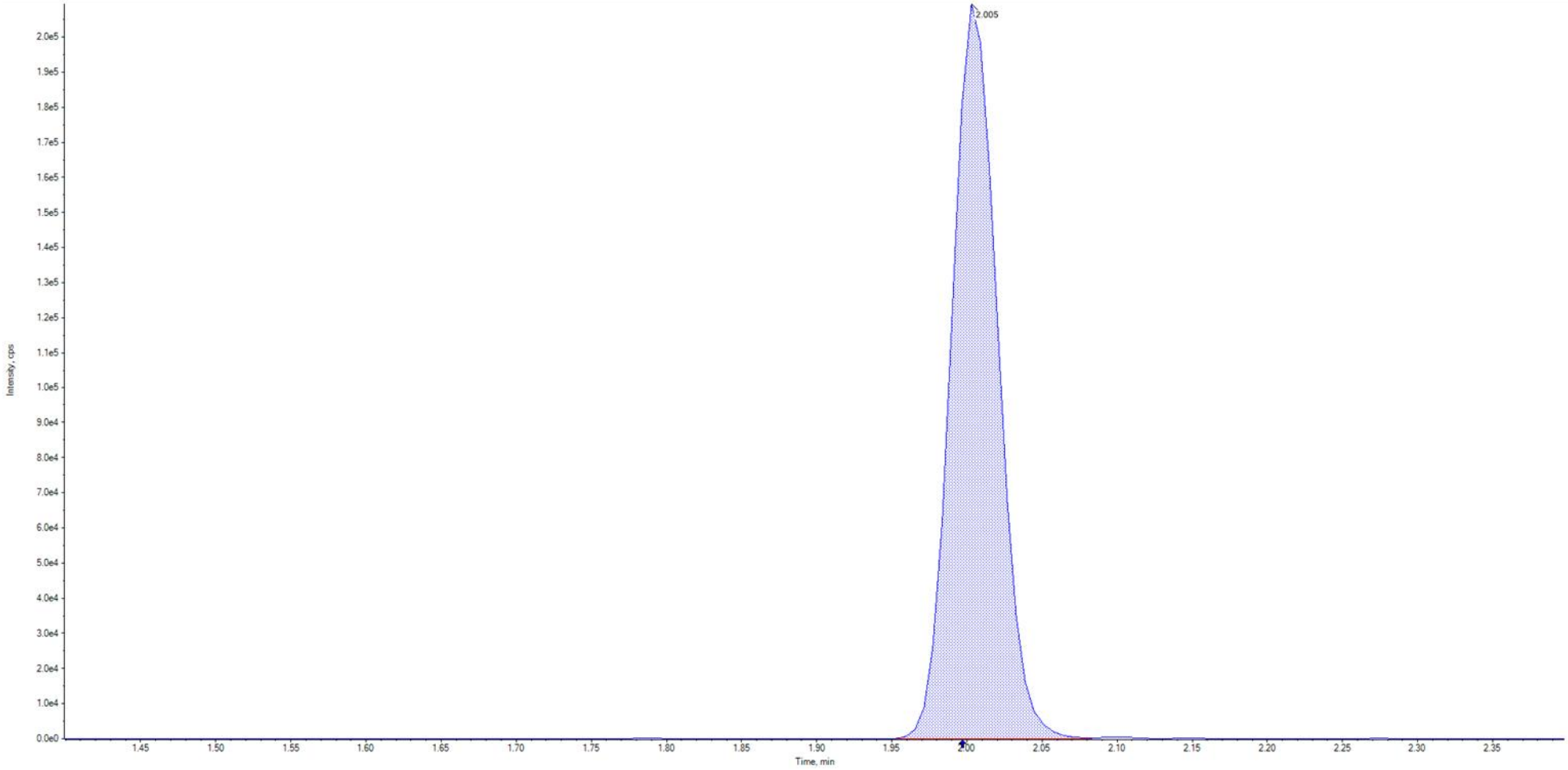
13C2-PFDoA
Sample: IA1633STD-.2



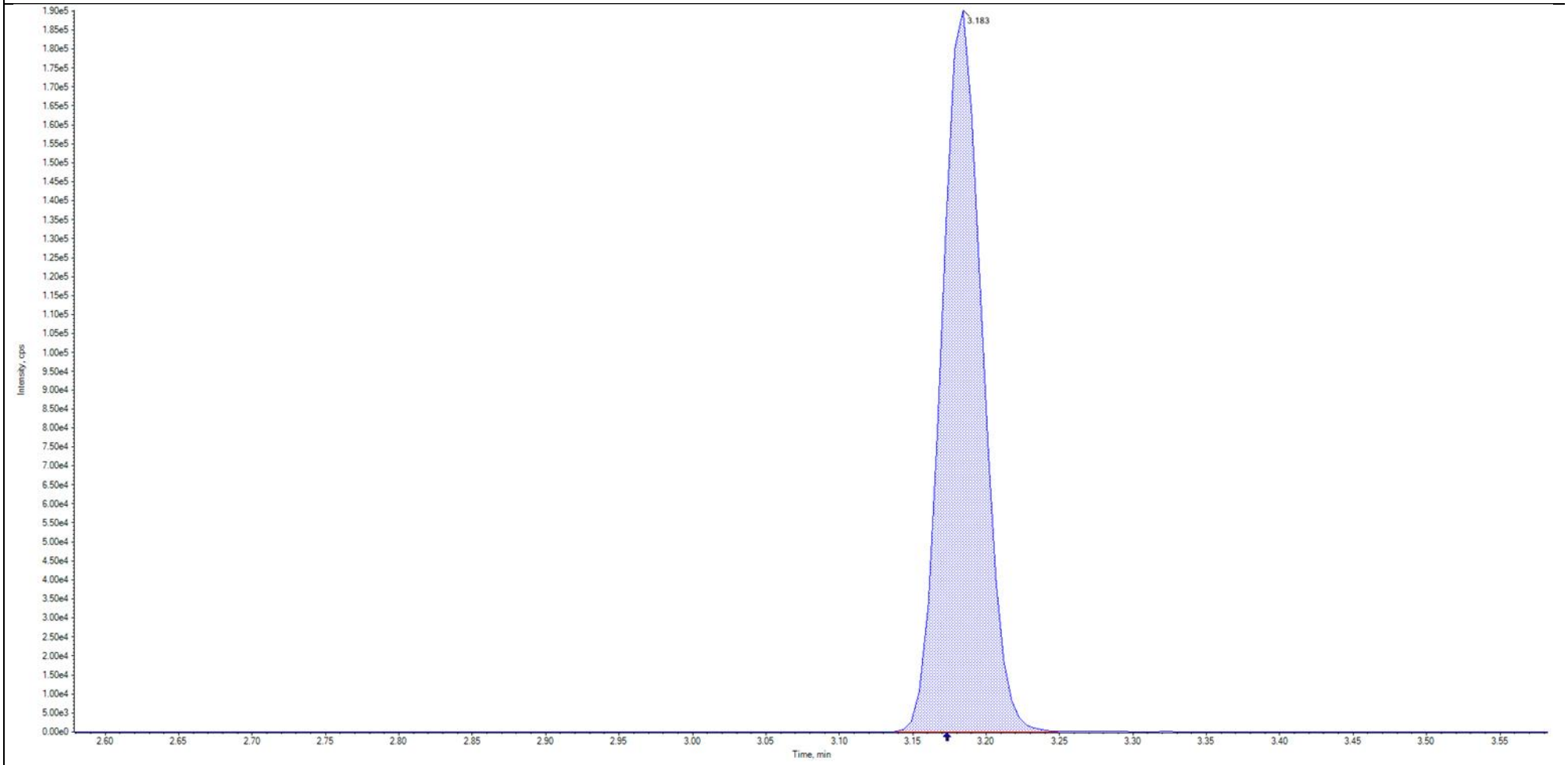
13C2-PFTeDA
Sample: IA1633STD-.2



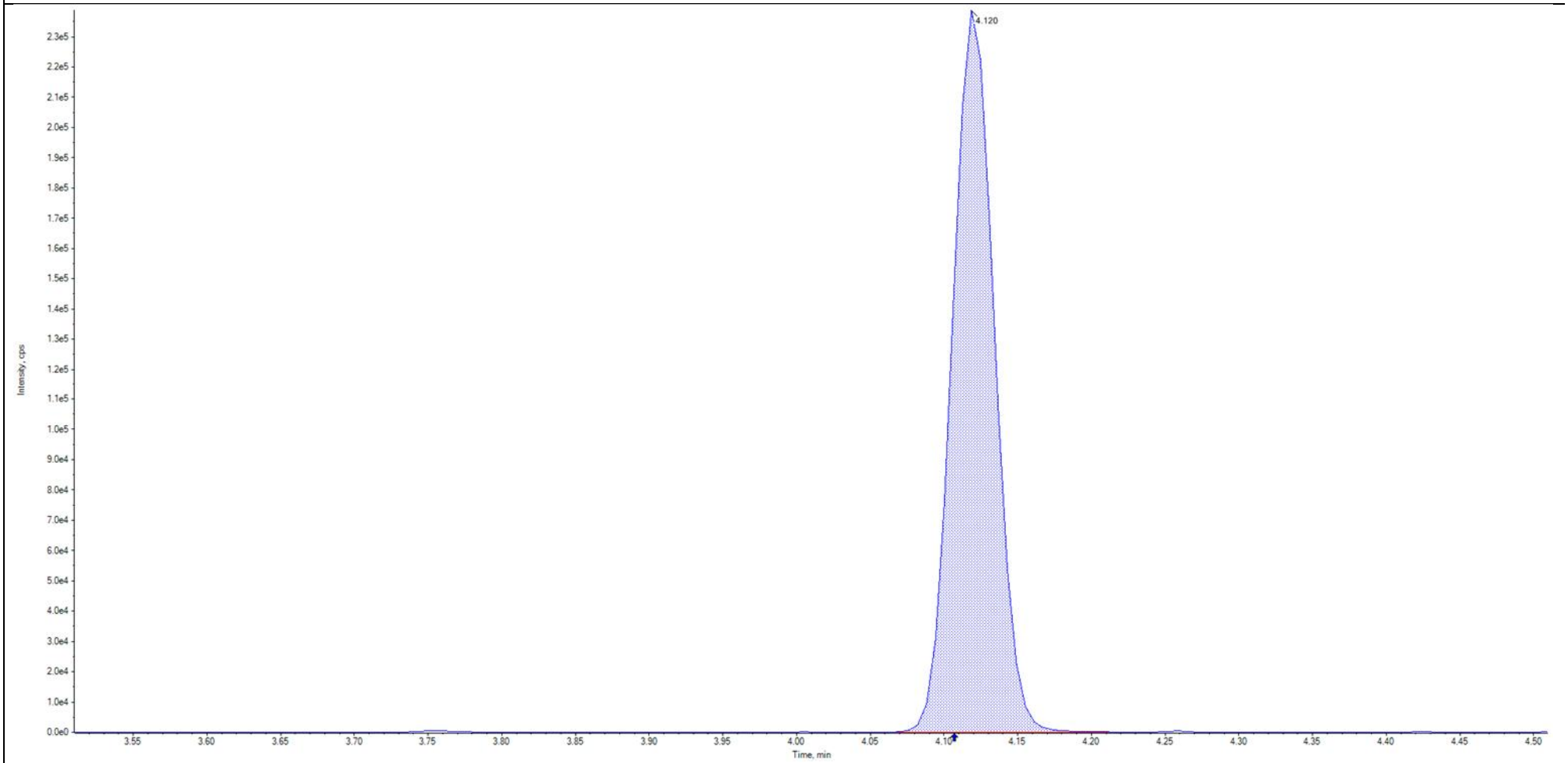
13C3-PFBS
Sample: IA1633STD-.2



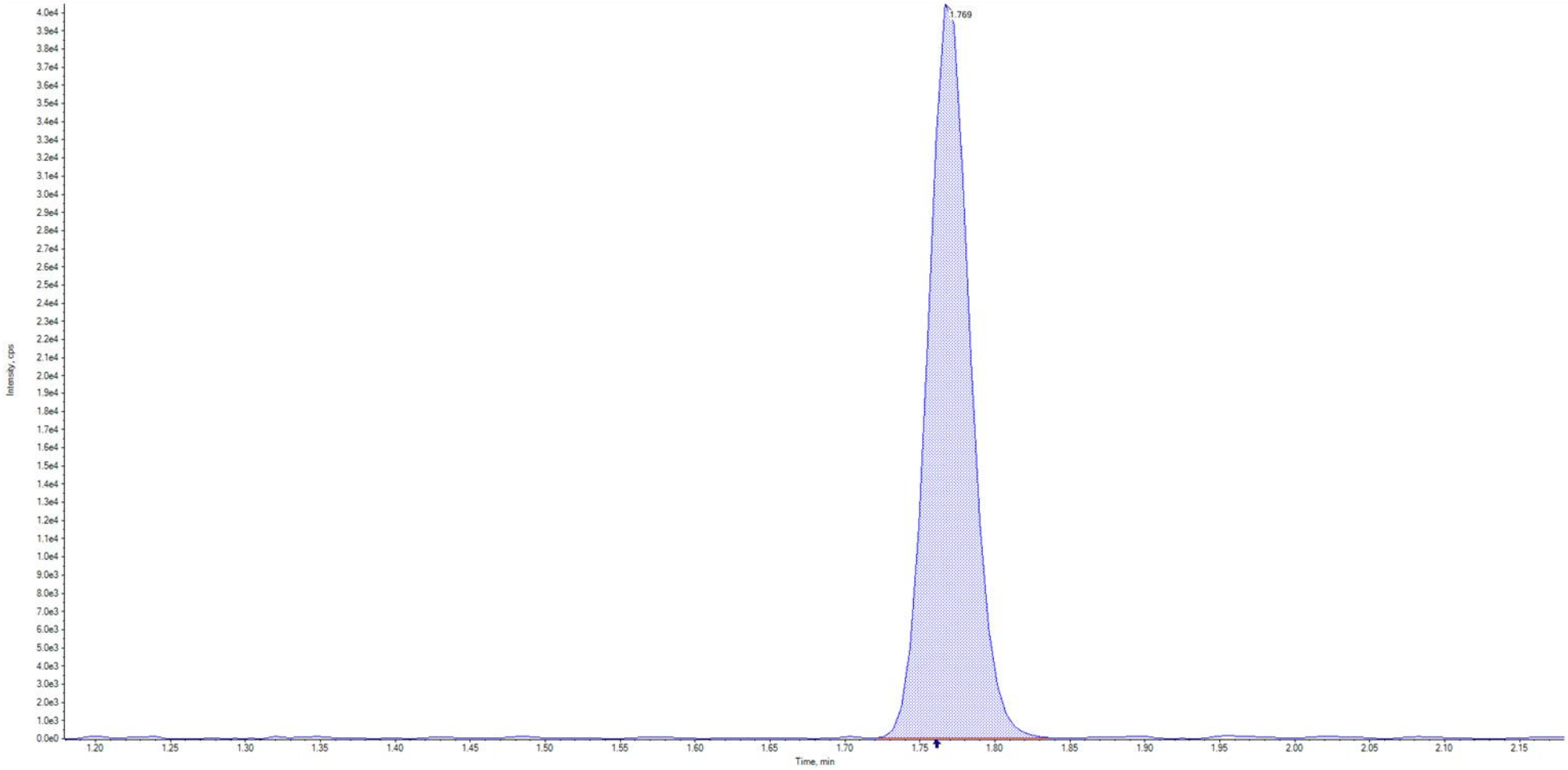
13C3-PFHxS
Sample: IA1633STD-.2



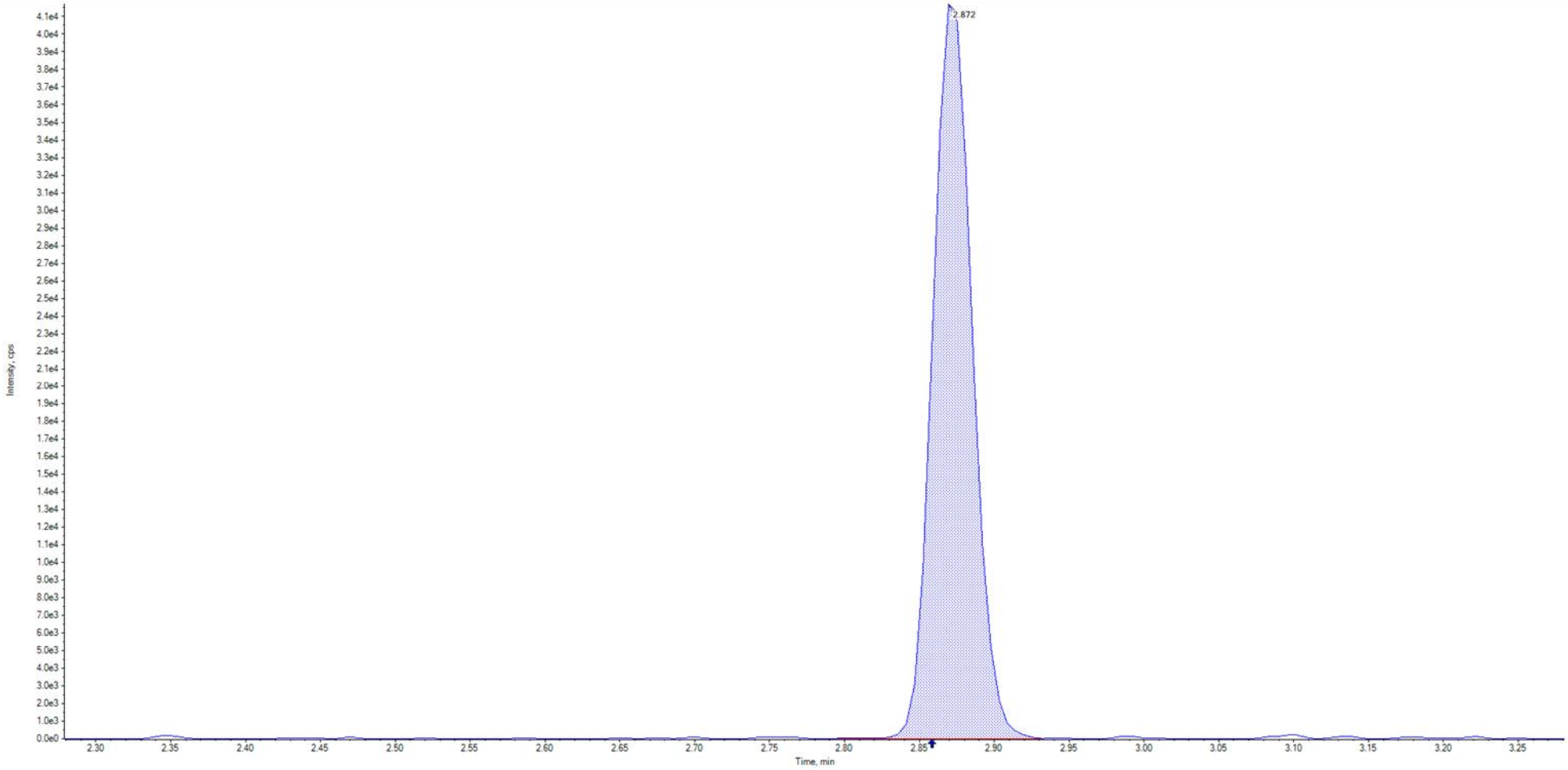
13C8-PFOS
Sample: IA1633STD-.2



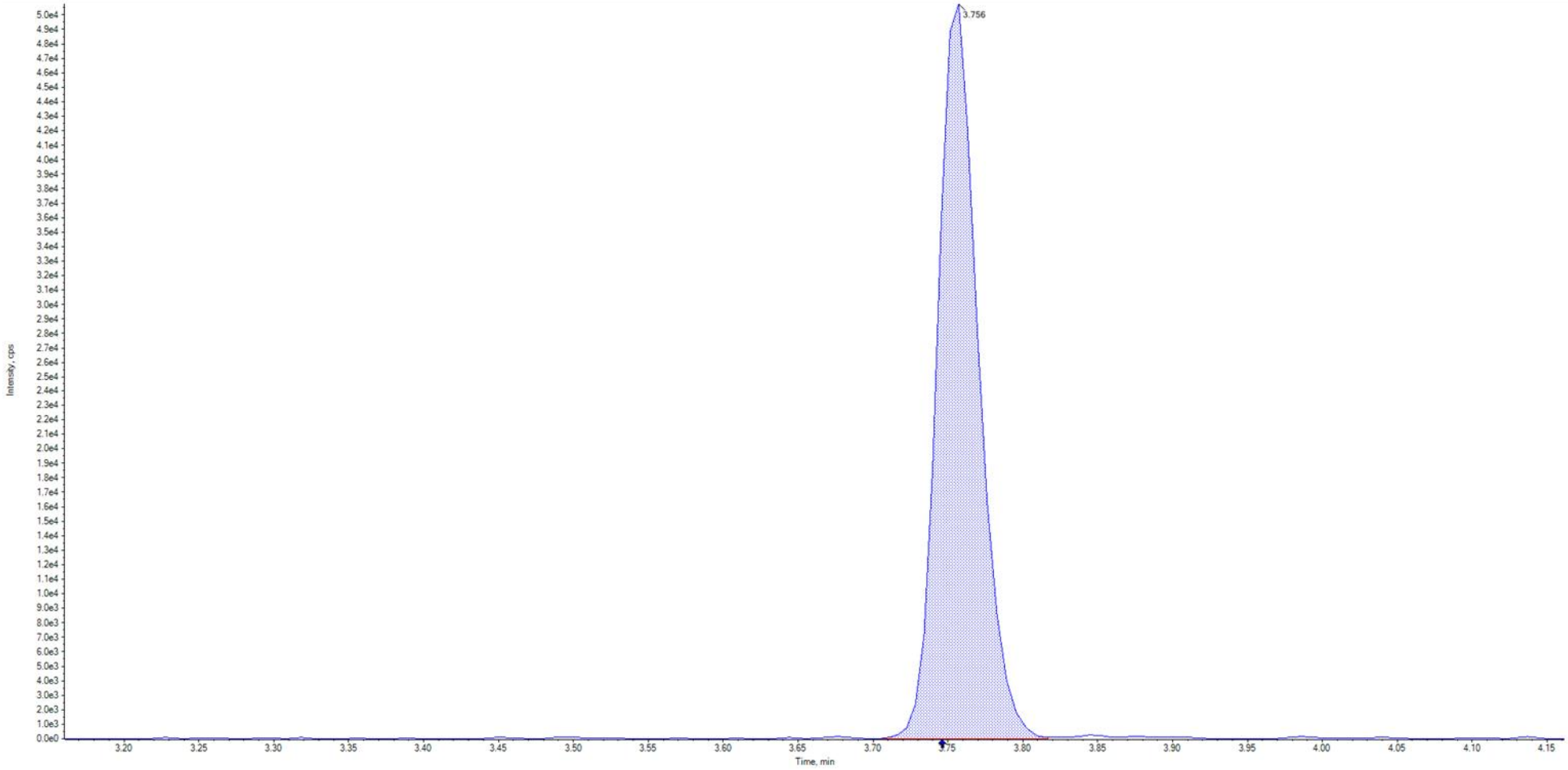
13C2-4:2FTS
Sample: IA1633STD-.2



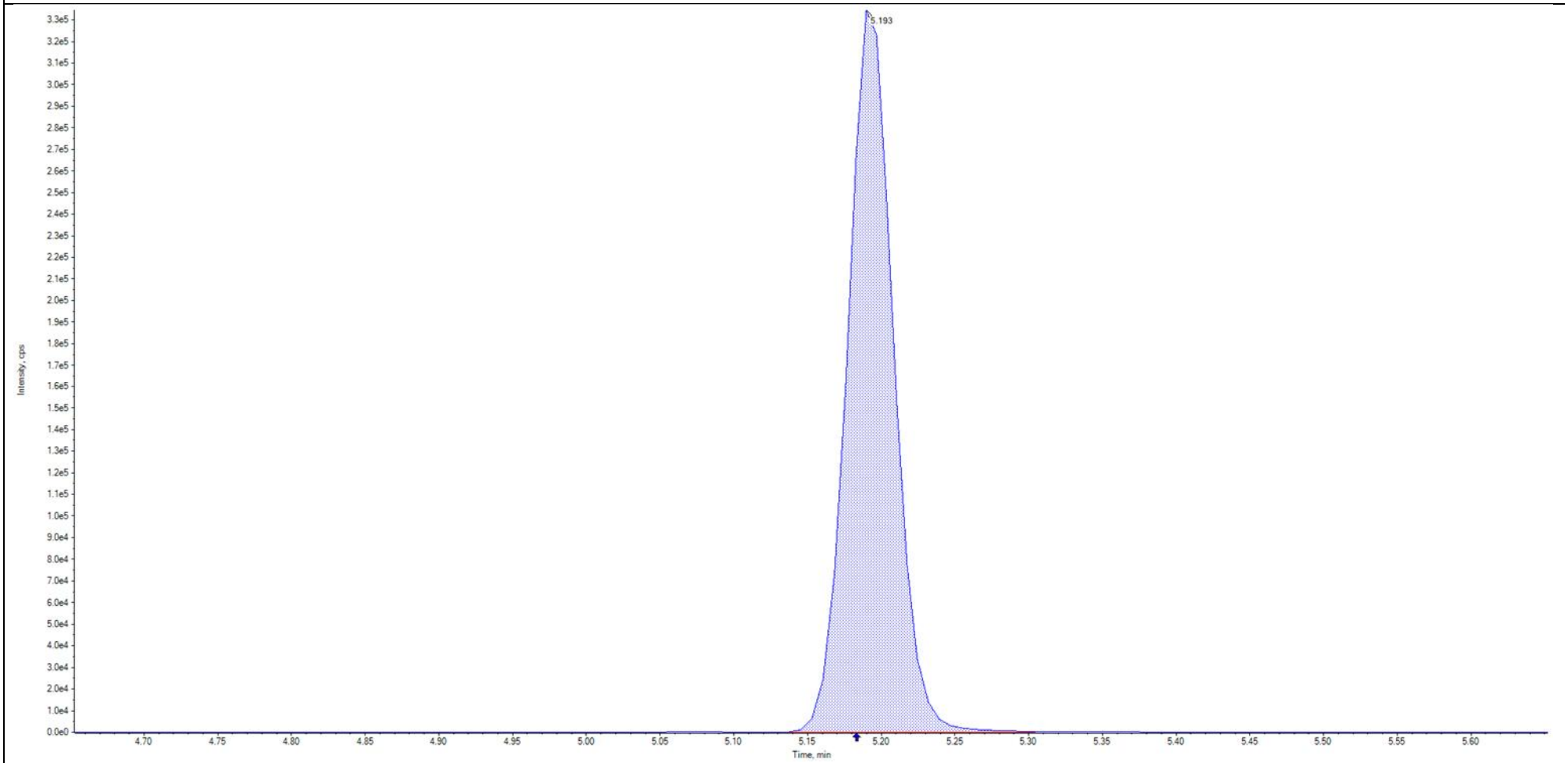
13C2-6:2FTS
Sample: IA1633STD-.2



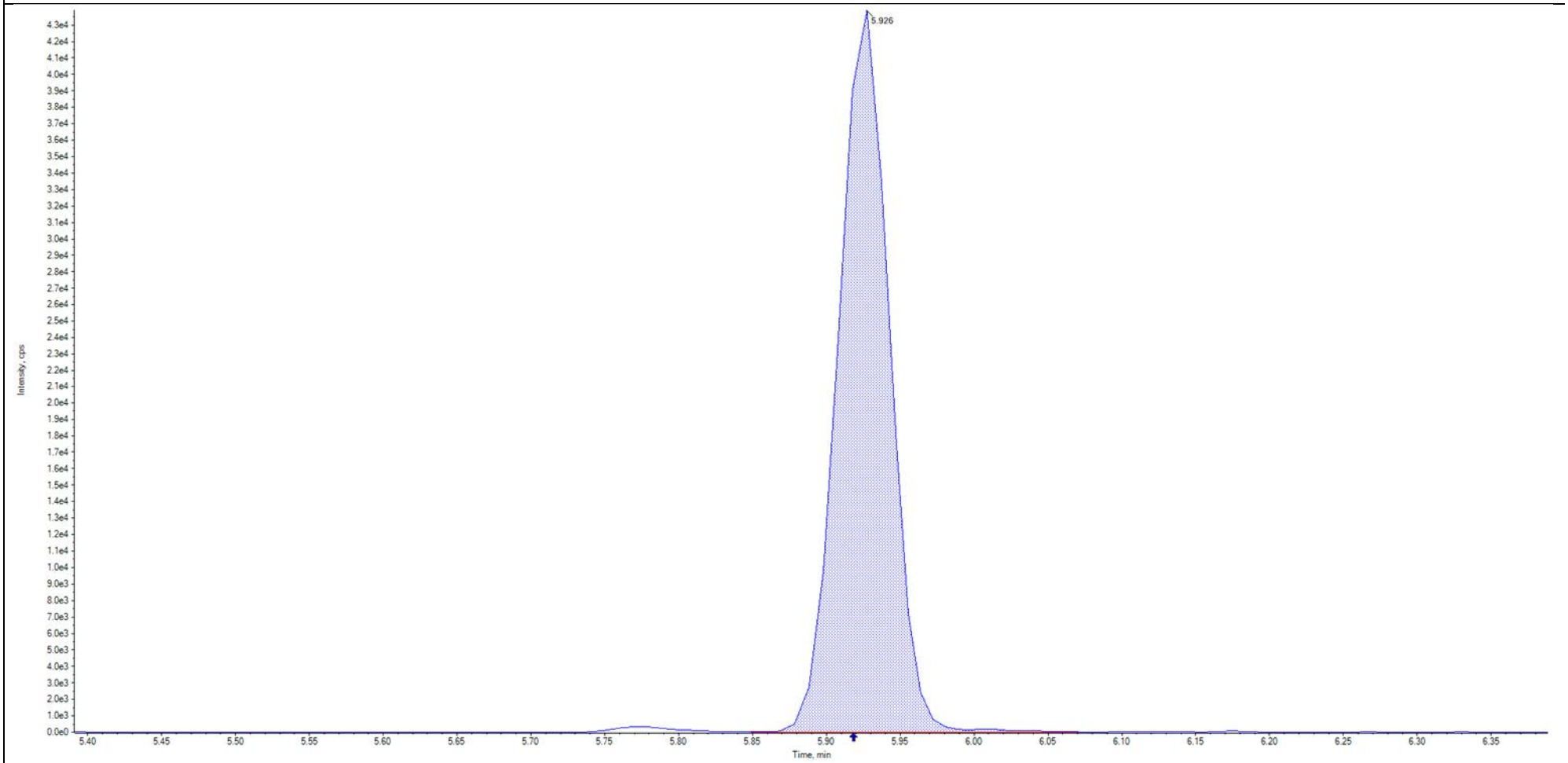
13C2-8:2FTS
Sample: IA1633STD-.2



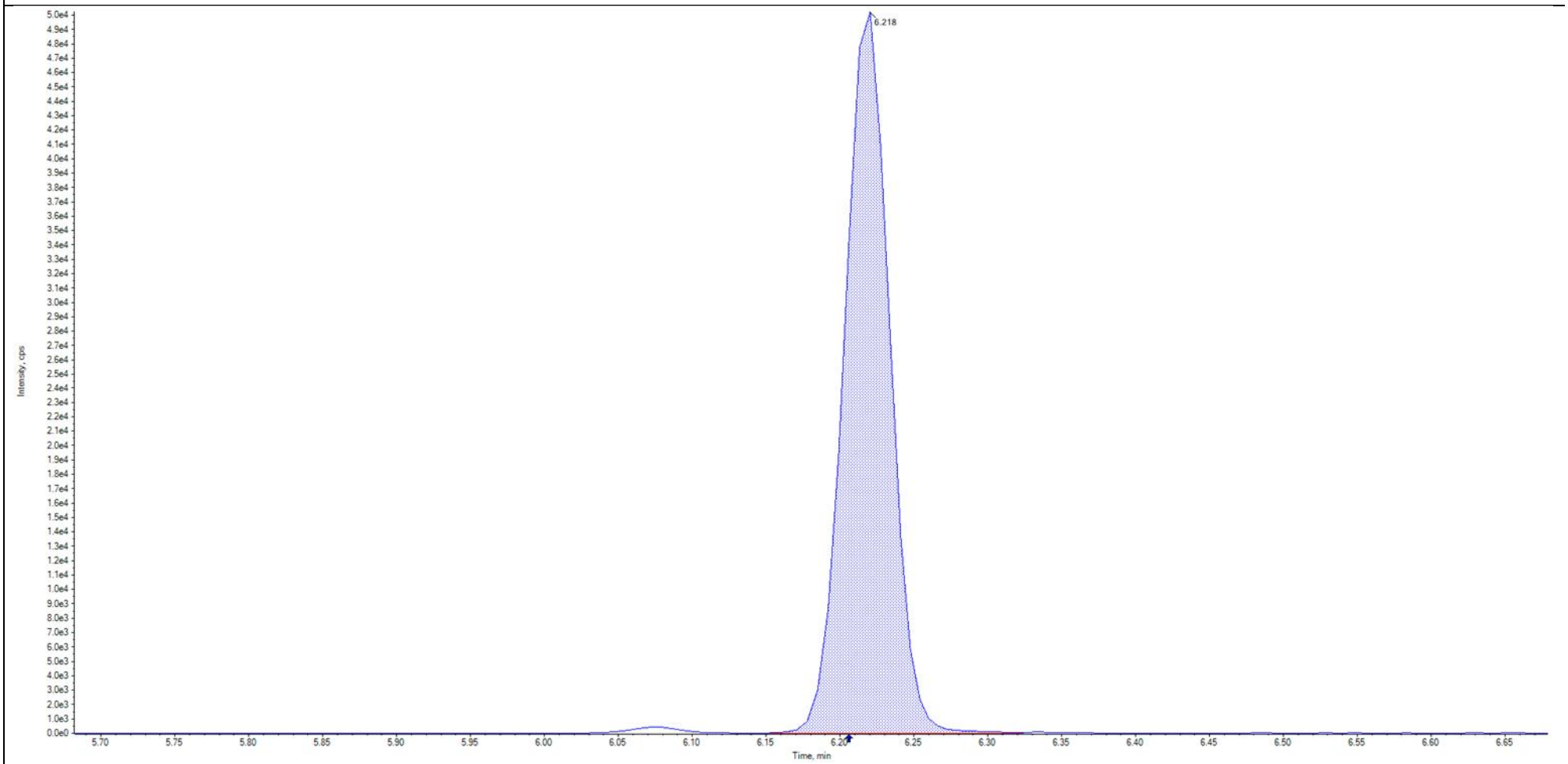
13C8-PFOSA
Sample: IA1633STD-.2



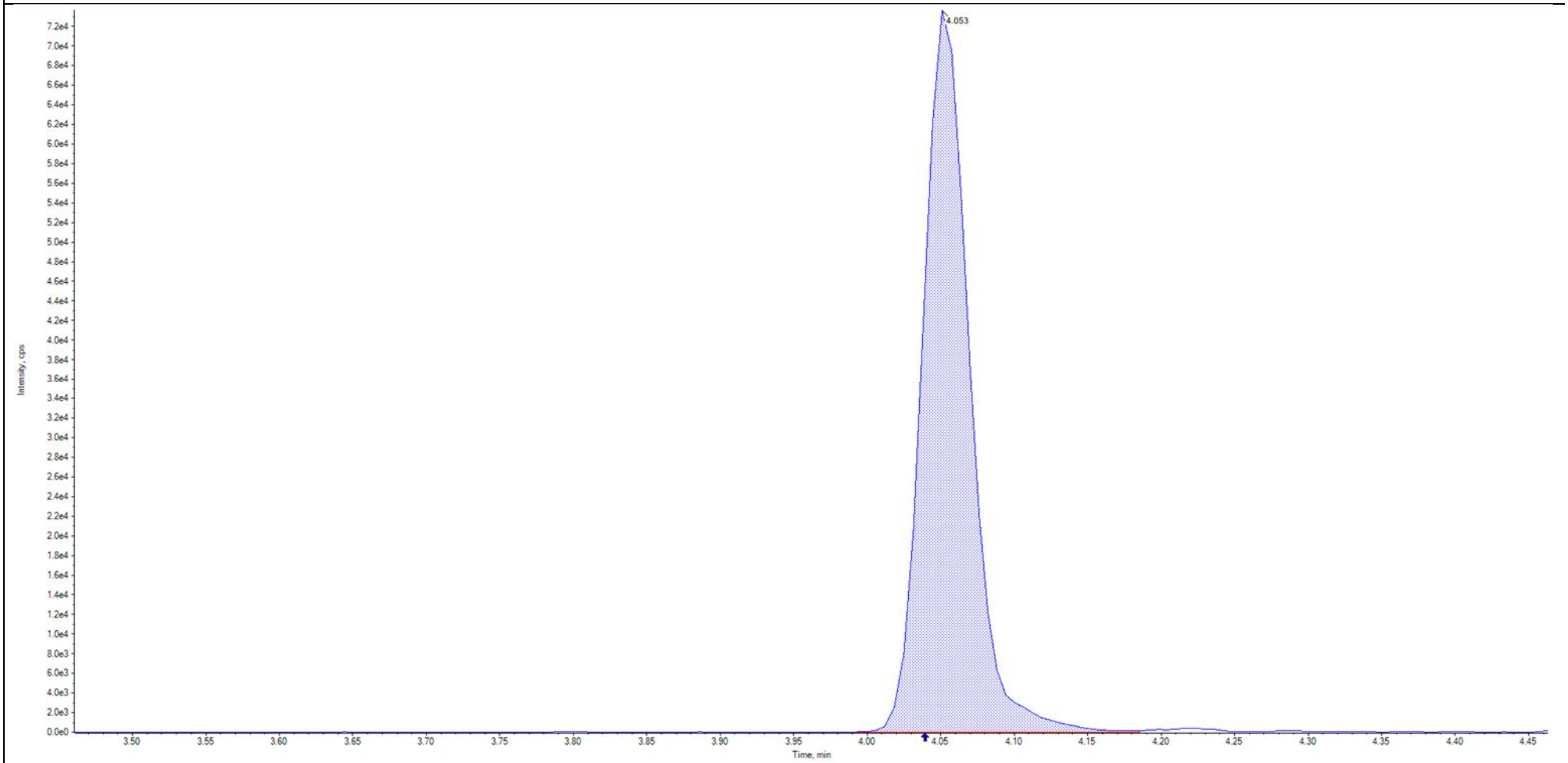
d3-NMeFOSA
Sample: IA1633STD-.2



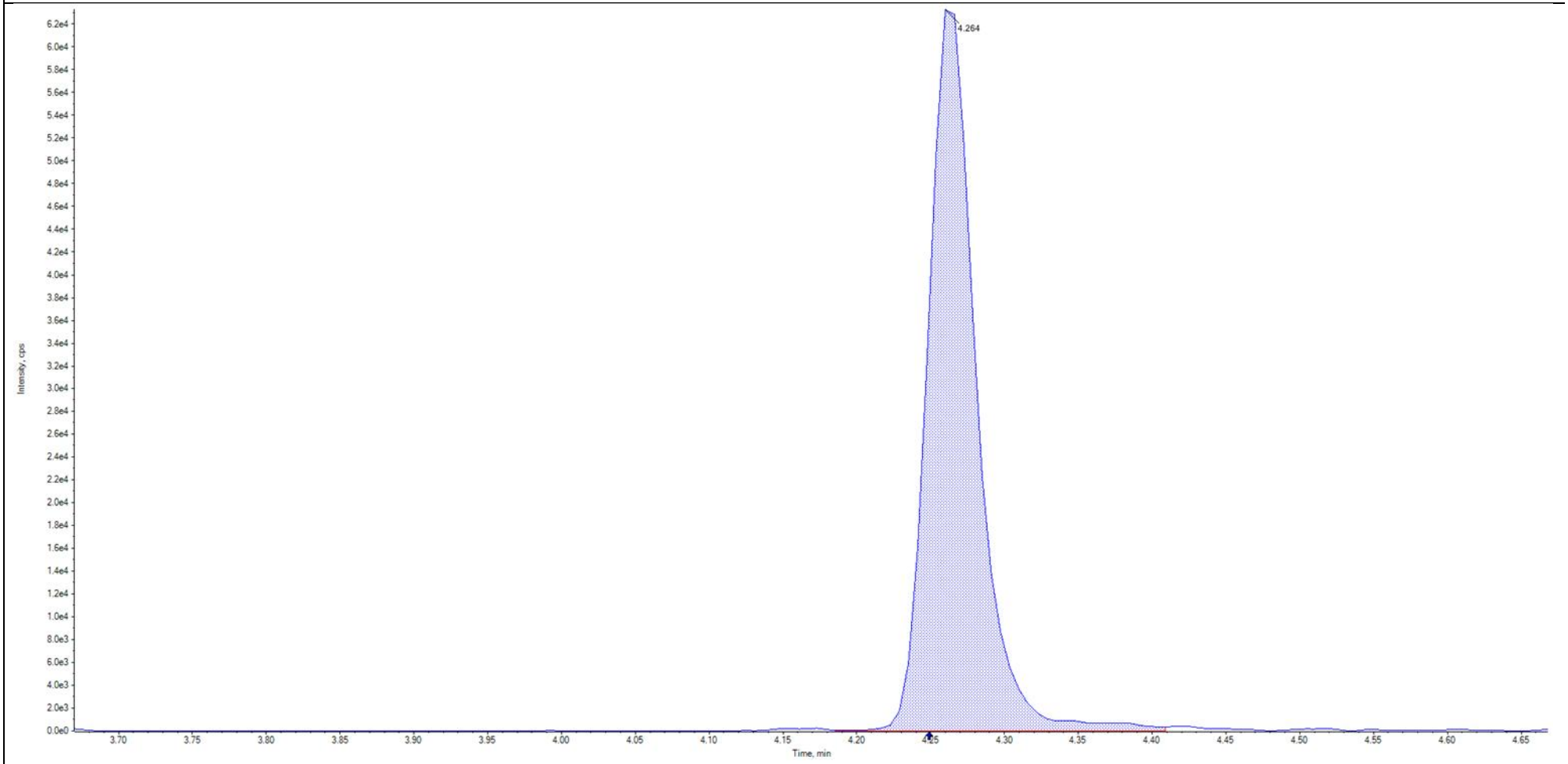
d5-NEtFOSA
Sample: IA1633STD-.2



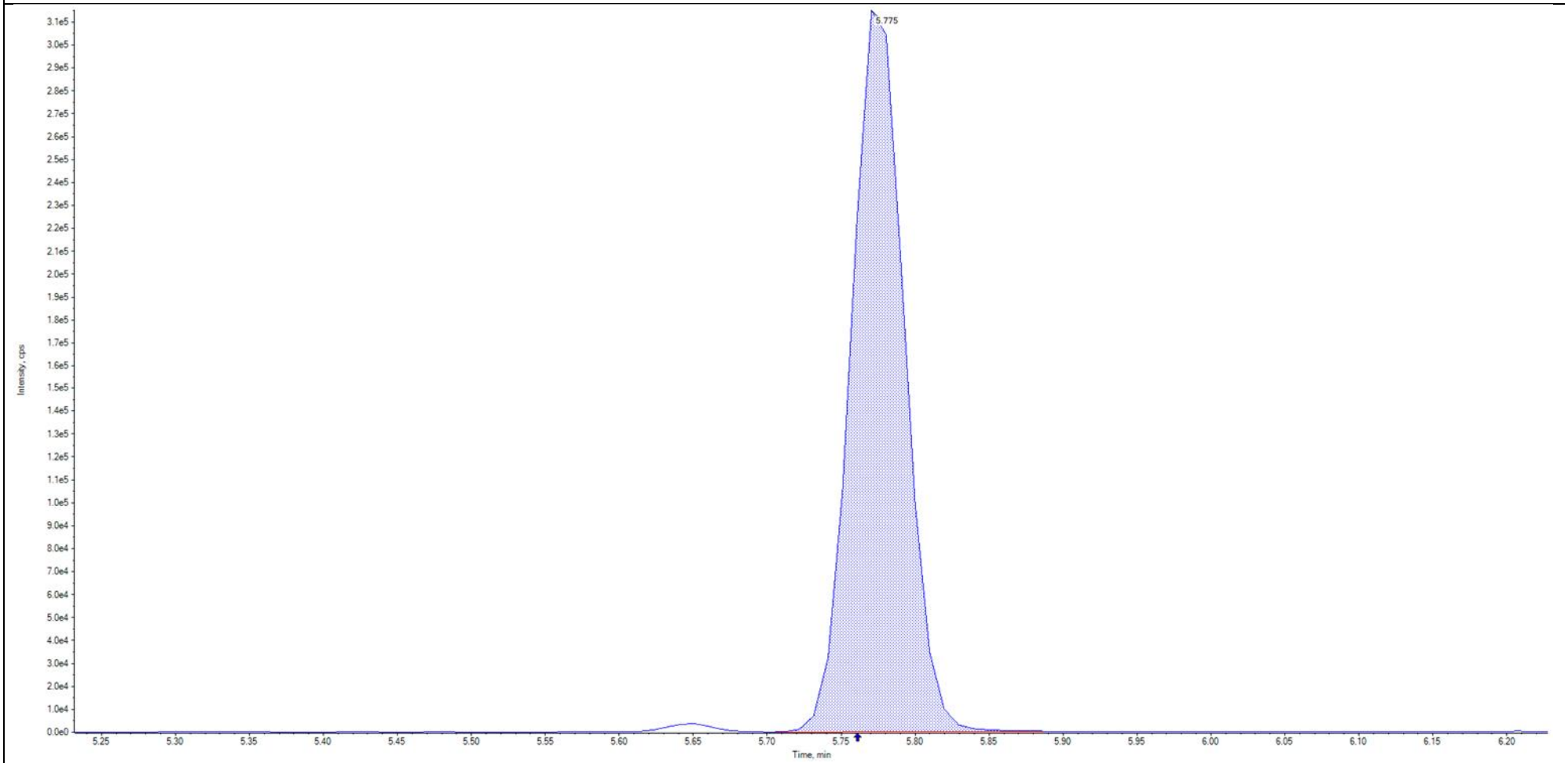
d3-NMeFOSAA
Sample: IA1633STD-.2



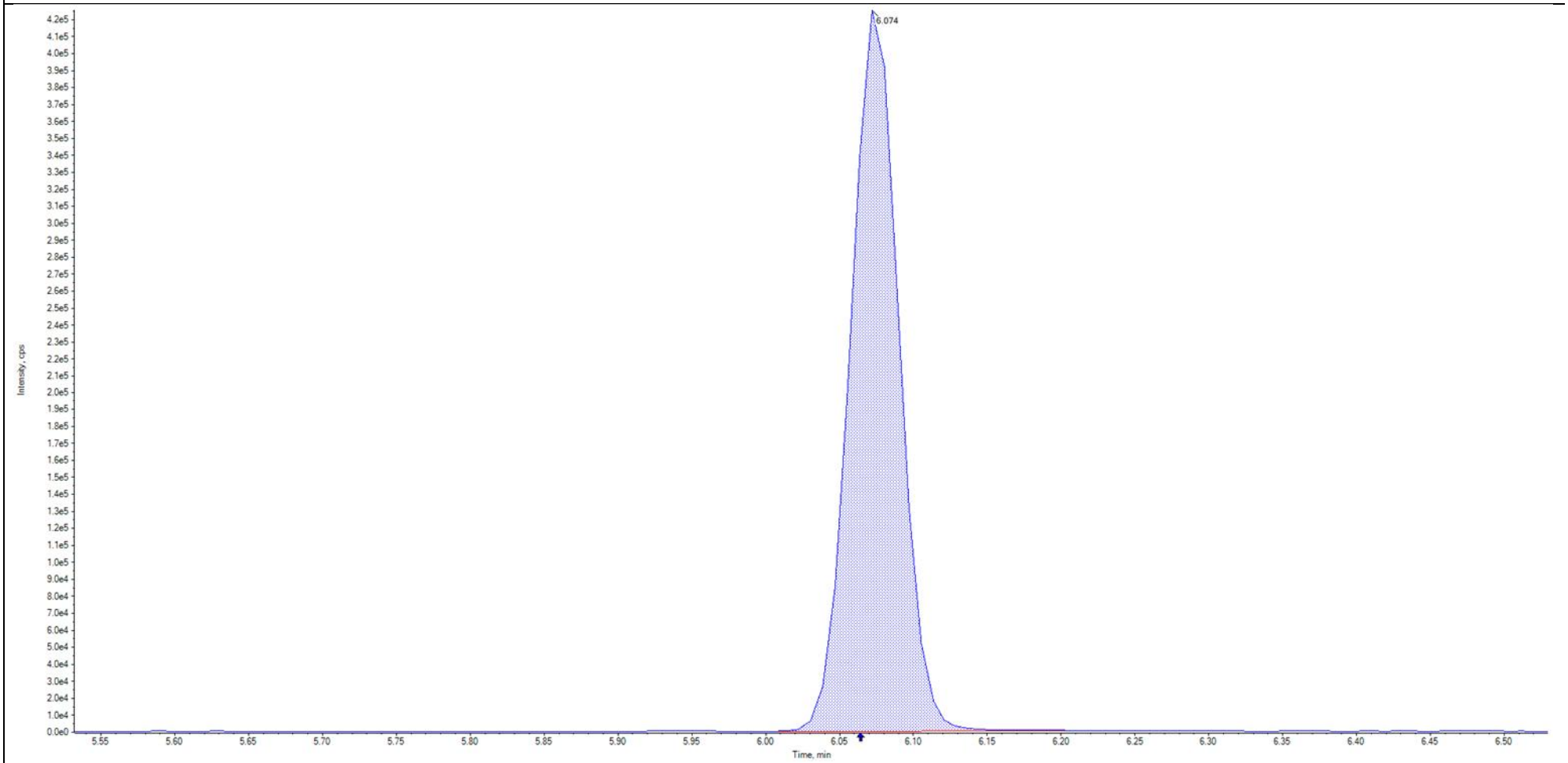
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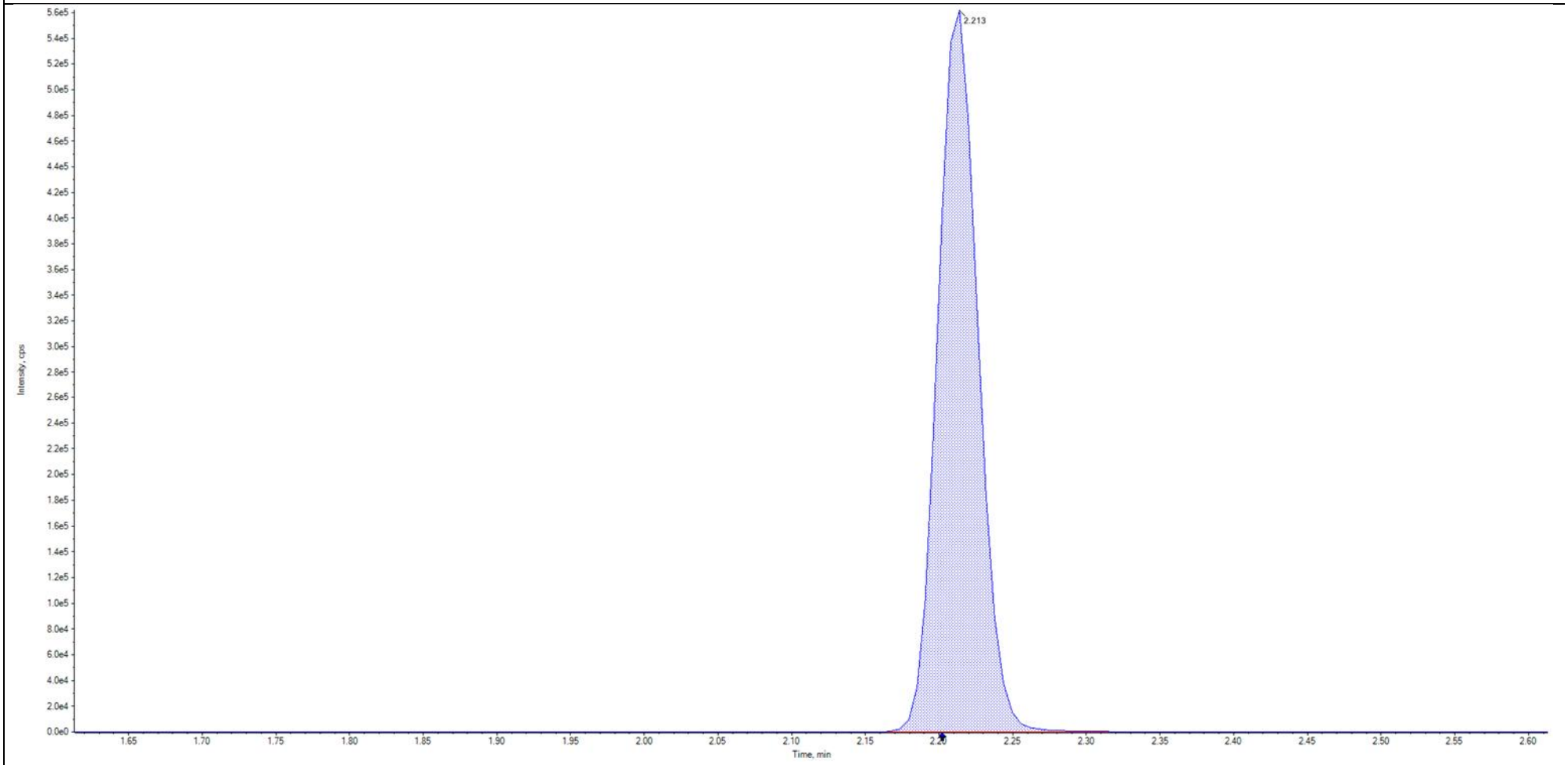
d7-NMeFOSE
Sample: IA1633STD-.2



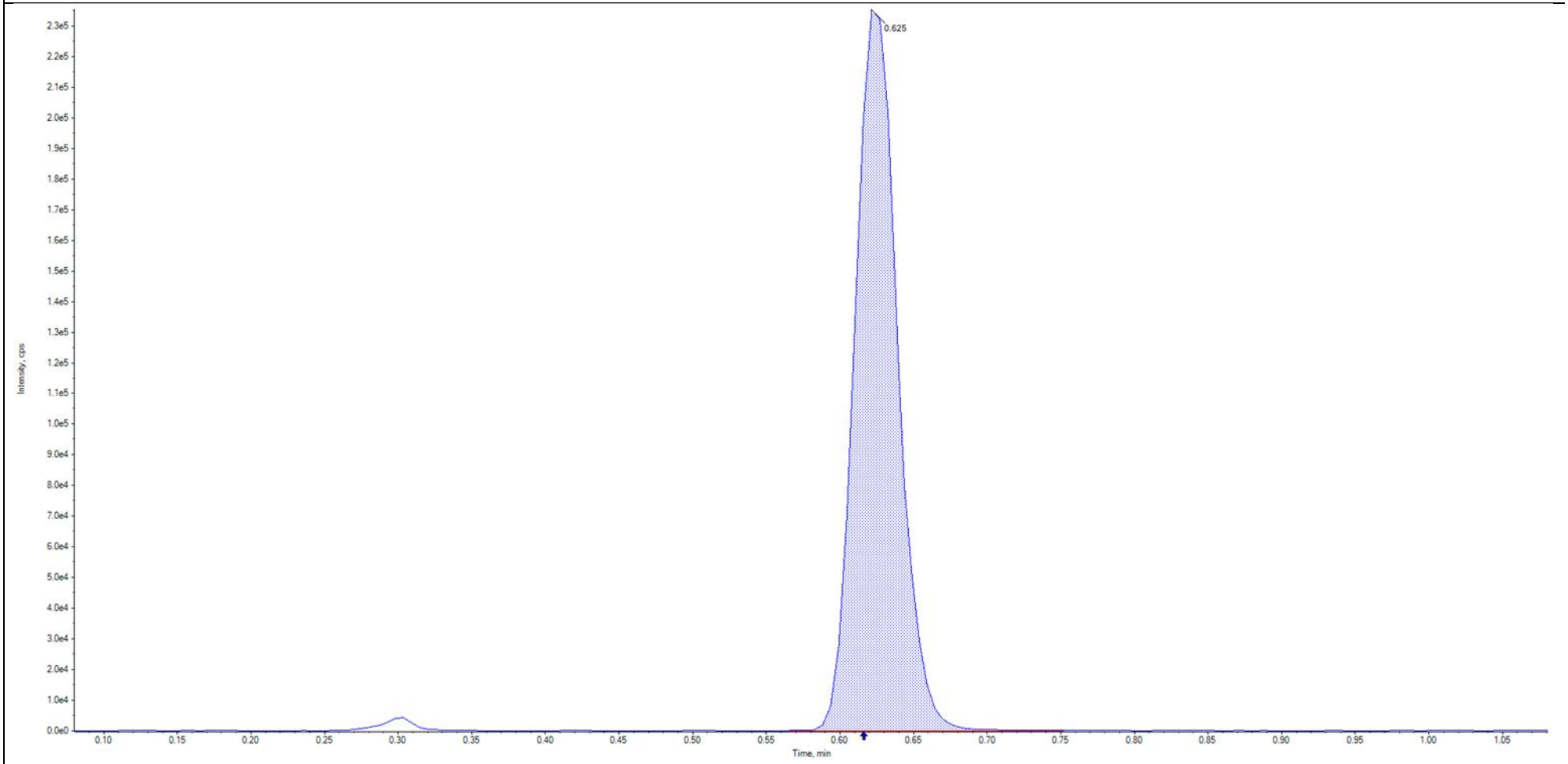
d9-NEtFOSE
Sample: IA1633STD-.2



13C3-HFPO-DA
Sample: IA1633STD-.2

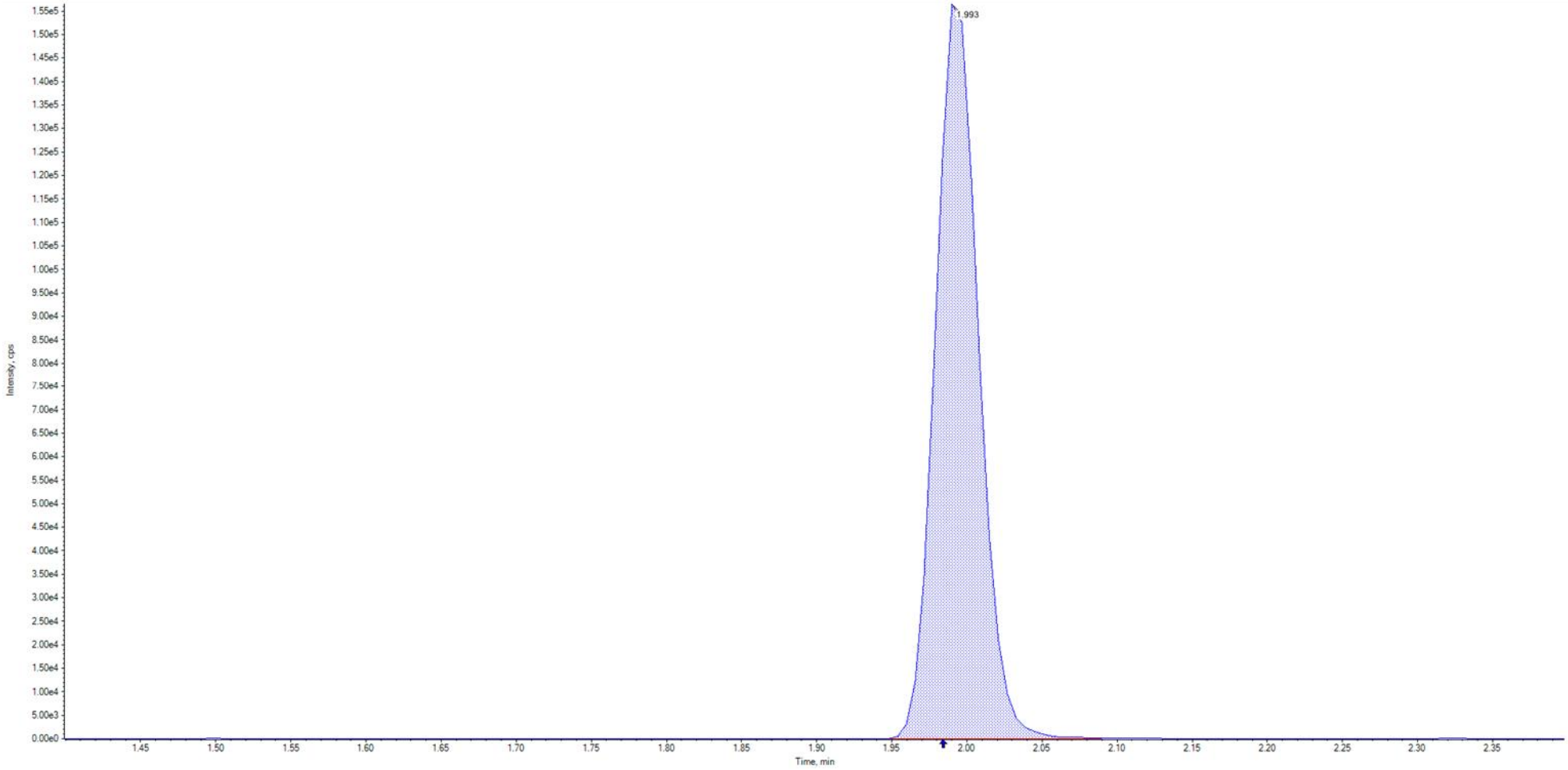


13C3-PFBA
Sample: IA1633STD-.2

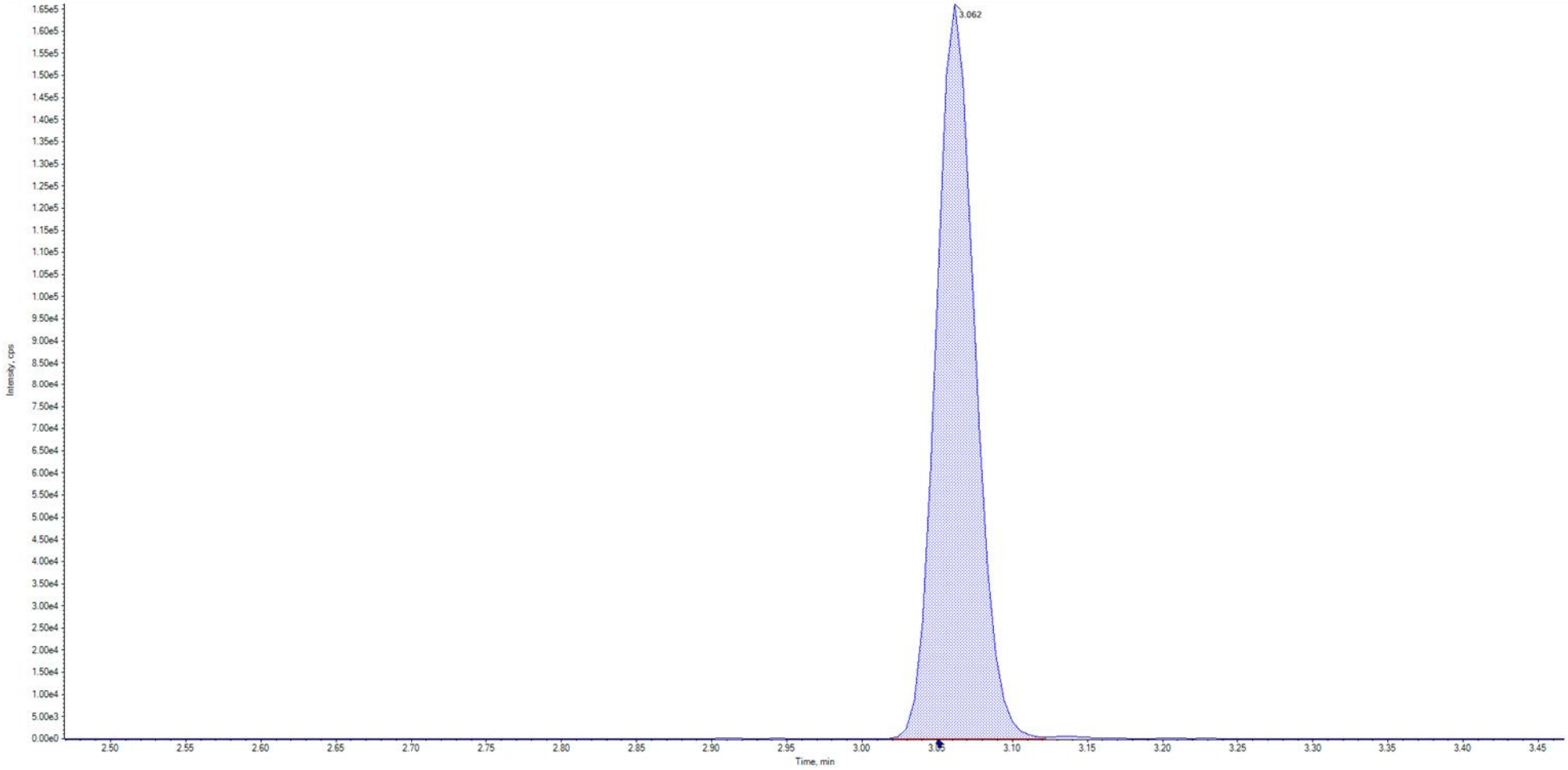


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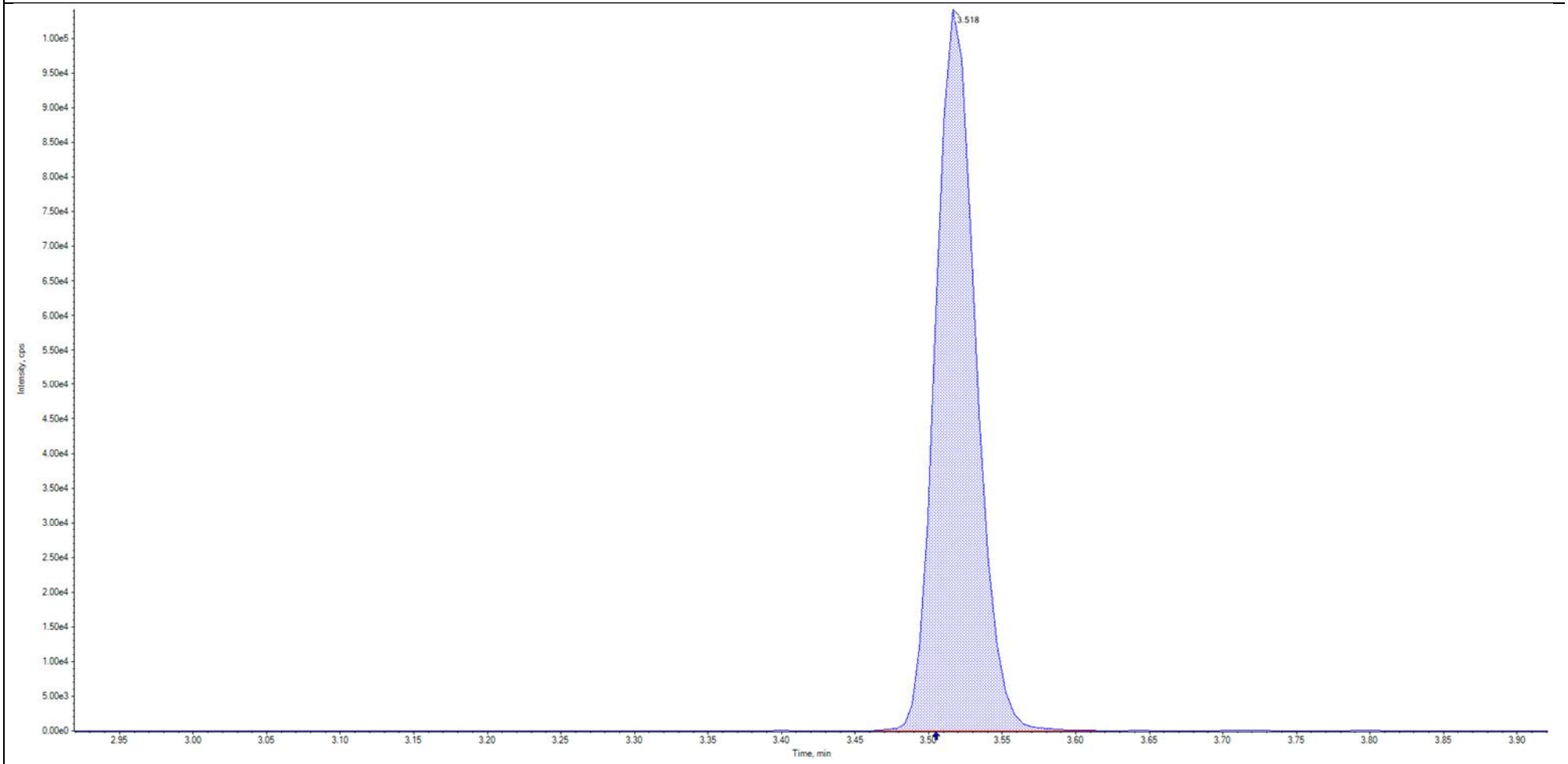
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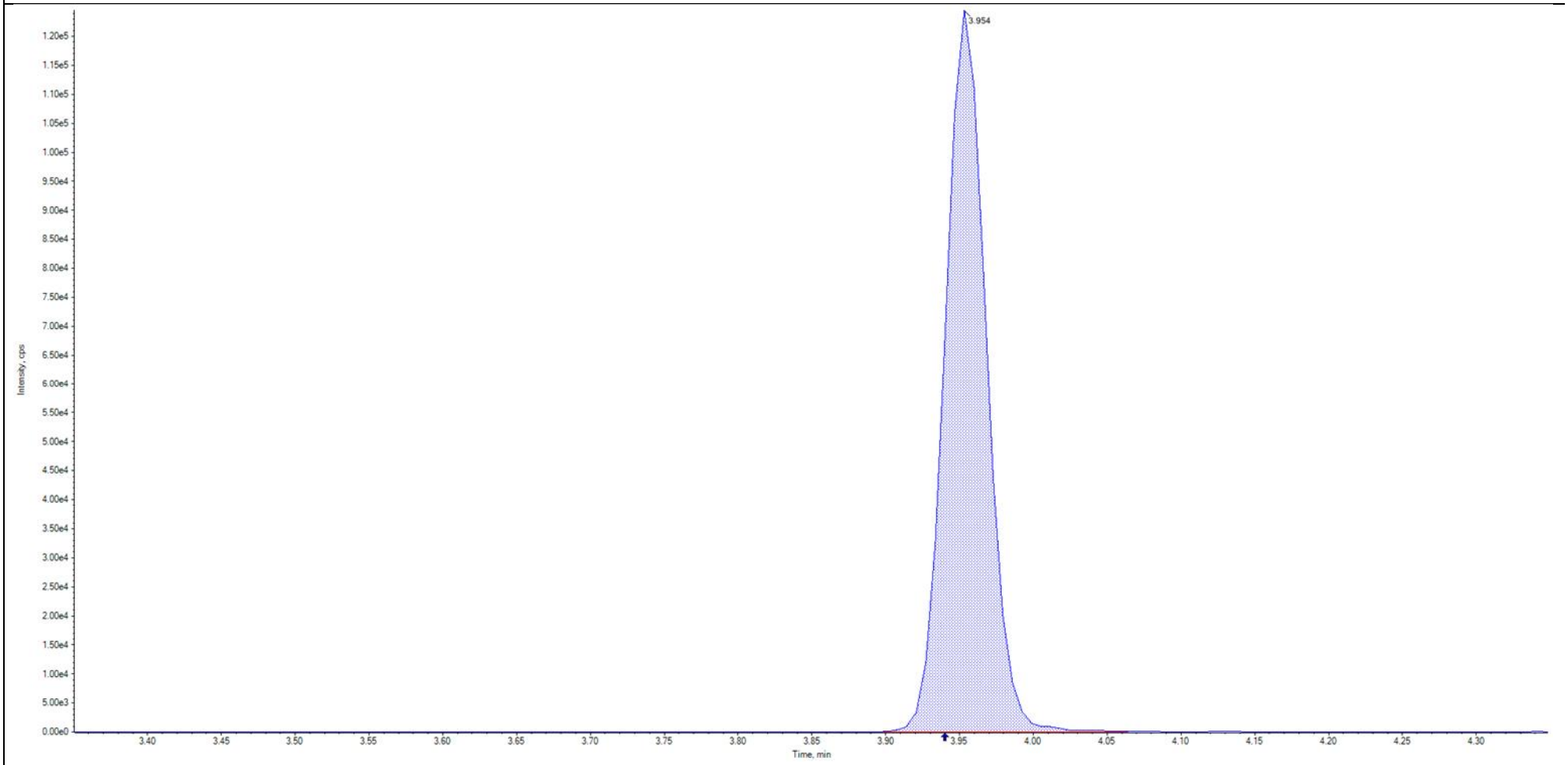
13C4-PFOA
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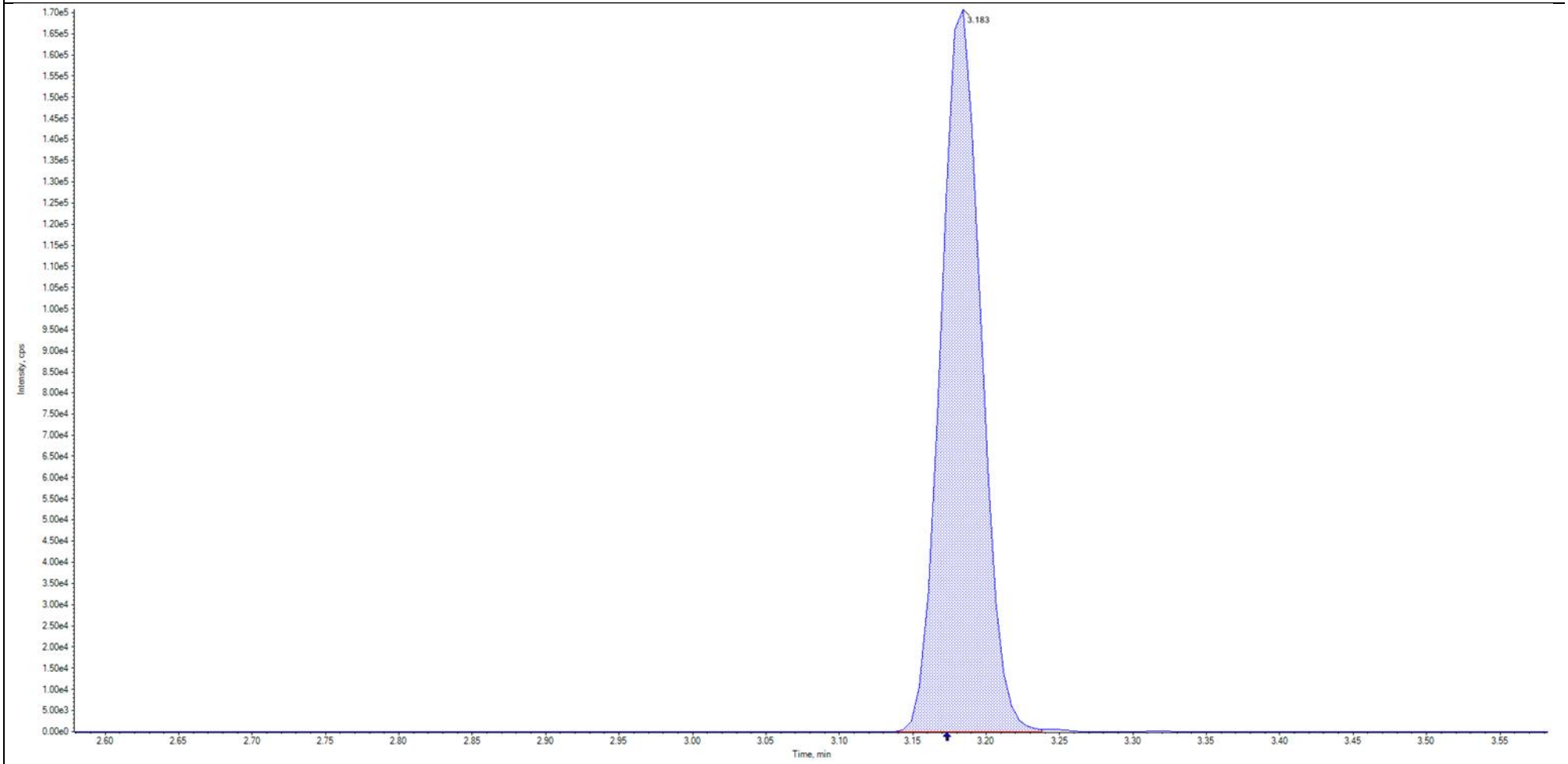
13C5-PFNA
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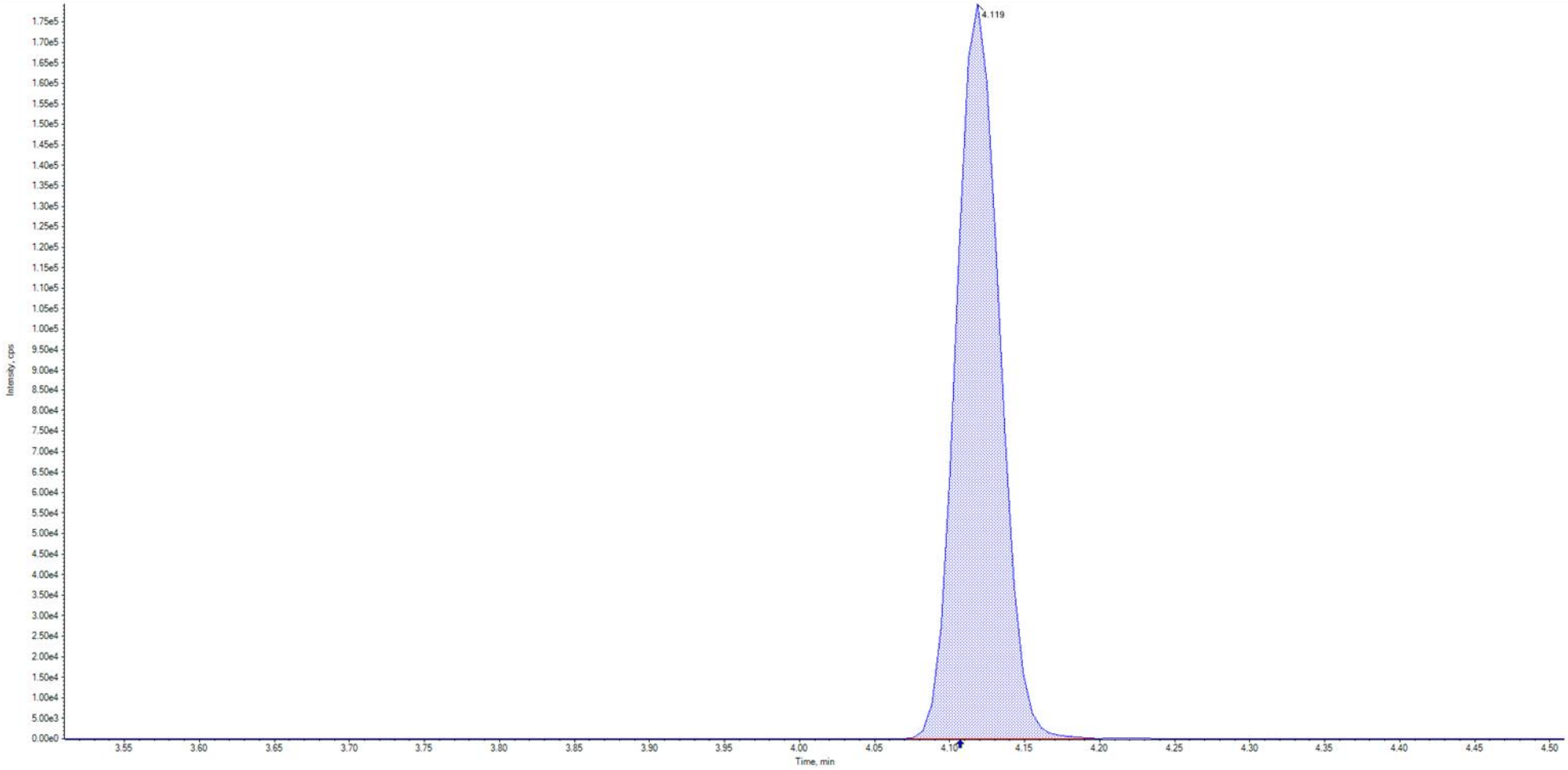
13C2-PFDA
Sample: IA1633STD-.2



18O2-PFHxS
Sample: IA1633STD-.2



13C4-PFOS
Sample: IA1633STD-.2



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Method: EPA1633F.qmethod
Calibration: 241216_EPA1633_ICAL

ID: IA1633STD-.5
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Description: WG2009822,,EPA1633F_241008_CAL_L3
Instrument: SCIEX Triple Quad 5500+
User: LCMS08:JW

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.63	213.0 / 169.0	215300		1.823	N/A	N/A	N/A	91.2
2	PFPeA	2706-90-3	1.23	263.0 / 219.0	104430		0.948	0.009	0.008	Pass	94.9
3	PFPeA_2	2706-90-3	1.23	263.0 / 68.9	968	M2	1.077	0.009	0.008	Pass	107.7
4	PFHxA	307-24-4	2.00	313.0 / 269.0	74067		0.474	0.091	0.084	Pass	94.9
5	PFHxA_2	307-24-4	1.99	313.0 / 119.0	6710		0.537	0.091	0.084	Pass	107.4
6	PFHpA	375-85-9	2.57	363.1 / 319.0	71364		0.444	0.428	0.404	Pass	88.7
7	PFHpA_2	375-85-9	2.57	363.1 / 169.0	30576		0.450	0.428	0.404	Pass	90.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	3.06	413.1 / 369.1	69456	M5	0.463	0.478	0.562	Pass	92.6
9	PFOA_2	335-67-1	3.06	413.1 / 169.0	33199	M5	0.424	0.478	0.562	Pass	84.9
10	PFNA	375-95-1	3.52	462.8 / 418.9	57442	M5	0.454	0.449	0.464	Pass	90.8
11	PFNA_2	375-95-1	3.52	462.8 / 219.0	25806	M5	0.448	0.449	0.464	Pass	89.6
12	PFDA	335-76-2	3.96	513.1 / 469.1	87362		0.474	0.246	0.264	Pass	94.8
13	PFDA_2	335-76-2	3.96	513.1 / 219.0	21483		0.458	0.246	0.264	Pass	91.7
14	PFUnA	2058-94-8	4.38	563.1 / 519.1	87859		0.466	0.205	0.204	Pass	93.3
15	PFUnA_2	2058-94-8	4.38	563.1 / 269.0	18019		0.462	0.205	0.204	Pass	92.3
16	PFDoA	307-55-1	4.79	613.1 / 569.1	97952		0.470	0.204	0.194	Pass	94.1
17	PFDoA_2	307-55-1	4.79	613.1 / 319.0	20021		0.472	0.204	0.194	Pass	94.4
18	PFTrDA	72629-94-8	5.19	663.1 / 619.1	120373		0.510	0.185	0.193	Pass	102.0
19	PFTrDA_2	72629-94-8	5.19	663.1 / 169.0	22294		0.507	0.185	0.193	Pass	101.4
20	PFTeDA	376-06-7	5.59	713.1 / 669.1	130491		0.474	0.160	0.163	Pass	94.7
21	PFTeDA_2	376-06-7	5.59	713.1 / 169.0	20828		0.476	0.160	0.163	Pass	95.2
22	PFBS	375-73-5	2.01	299.1 / 80.1	94487		0.423	0.340	0.353	Pass	95.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	2.01	299.1 / 99.1	32113		0.417	0.340	0.353	Pass	93.9
24	PFPeS	2706-91-4	2.65	349.1 / 80.1	92738		0.429	0.279	0.294	Pass	91.3
25	PFPeS_2	2706-91-4	2.65	349.1 / 99.1	25886		0.432	0.279	0.294	Pass	91.9
26	PFHxS	355-46-4	3.18	399.1 / 80.1	82365	M5	0.415	0.293	0.292	Pass	91.0
27	PFHxS_2	355-46-4	3.19	399.1 / 99.1	24150	M5	0.417	0.293	0.292	Pass	91.3
28	PFHpS	375-92-8	3.67	449.1 / 80.1	87498		0.440	0.255	0.274	Pass	92.5
29	PFHpS_2	375-92-8	3.67	449.1 / 99.1	22275		0.424	0.255	0.274	Pass	89.2
30	PFOS	1763-23-1	4.12	499.1 / 80.1	107474	M5	0.412	0.231	0.223	Pass	88.9
31	PFOS_2	1763-23-1	4.12	499.1 / 99.1	24803	M5	0.453	0.231	0.223	Pass	97.6
32	PFNS	68259-12-1	4.55	549.1 / 80.1	103822		0.458	0.268	0.281	Pass	95.4
33	PFNS_2	68259-12-1	4.55	549.1 / 99.1	27797		0.438	0.268	0.281	Pass	91.3
34	PFDS	335-77-3	4.97	599.1 / 80.1	106752		0.444	0.264	0.267	Pass	92.2
35	PFDS_2	335-77-3	4.97	599.1 / 99.1	28175		0.440	0.264	0.267	Pass	91.4
36	PFDoS	79780-39-5	5.75	699.2 / 80.1	117880		0.453	0.240	0.225	Pass	93.6
37	PFDoS_2	79780-39-5	5.75	699.2 / 99.1	28239		0.486	0.240	0.225	Pass	100.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	1.77	327.1 / 307.1	57059		1.804	0.687	0.637	Pass	96.5
39	4:2FTS_2	757124-72-4	1.77	327.1 / 81.1	39173		1.881	0.687	0.637	Pass	100.6
40	6:2FTS	27619-97-2	2.87	427.2 / 407.2	58459		1.896	0.580	0.571	Pass	99.8
41	6:2FTS_2	27619-97-2	2.87	427.2 / 81.1	33923		1.789	0.580	0.571	Pass	94.2
42	8:2FTS	39108-34-4	3.75	527.2 / 507.2	62721		1.996	0.677	0.758	Pass	104.0
43	8:2FTS_2	39108-34-4	3.75	527.2 / 81.1	42464		1.737	0.677	0.758	Pass	90.5
44	PFOSA	754-91-6	5.19	498.1 / 78.1	131013	M5	0.450	0.025	0.023	Pass	90.0
45	PFOSA_2	754-91-6	5.18	498.1 / 478.0	3295	M5	0.439	0.025	0.023	Pass	87.9
46	NMeFOSA	31506-32-8	5.93	512.2 / 219.0	30639	M5	0.509	1.376	1.447	Pass	101.9
47	NMeFOSA_2	31506-32-8	5.86	512.2 / 169.0	42149		0.482	1.376	1.447	Pass	96.4
48	NEtFOSA	4151-50-2	6.22	526.2 / 219.0	29687	M5	0.481	1.290	1.299	Pass	96.1
49	NEtFOSA_2	4151-50-2	6.18	526.2 / 169.0	38311		0.475	1.290	1.299	Pass	95.0
50	NMeFOSAA	2355-31-9	4.05	570.2 / 419.1	15850	M5	0.445	0.681	0.605	Pass	89.1
51	NMeFOSAA_2	2355-31-9	4.05	570.2 / 483.0	10789	M5	0.496	0.681	0.605	Pass	99.3
52	NEtFOSAA	2991-50-6	4.27	584.2 / 419.1	15848	M5	0.415	0.519	0.518	Pass	83.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.27	584.2 / 526.2	8221	M5	0.432	0.519	0.518	Pass	86.4
54	NMeFOSE	24448-09-7	5.79	616.1 / 58.9	408375	M5	4.724	N/A	N/A	N/A	94.5
55	NEtFOSE	1691-99-2	6.09	630.0 / 58.9	524255	M5	4.802	N/A	N/A	N/A	96.0
56	HFPO-DA	13252-13-6	2.21	285.0 / 169.0	247380		1.863	0.499	0.474	Pass	93.1
57	HFPO-DA_2	13252-13-6	2.21	285.0 / 184.9	123436		1.961	0.499	0.474	Pass	98.0
58	ADONA	919005-14-4	2.75	376.9 / 251.0	519379		1.844	0.703	0.740	Pass	97.5
59	ADONA_2	919005-14-4	2.75	376.9 / 84.8	365271		1.817	0.703	0.740	Pass	96.2
60	9Cl-PF3ONS	756426-58-1	4.42	530.8 / 351.1	778961		1.934	0.329	0.340	Pass	103.4
61	9Cl-PF3ONS_2	756426-58-1	4.42	532.8 / 353.0	256500		1.894	0.329	0.340	Pass	101.3
62	11Cl-PF3OUdS	763051-92-9	5.24	630.9 / 451.0	825541		1.950	0.343	0.328	Pass	103.2
63	11Cl-PF3OUdS_2	763051-92-9	5.24	632.9 / 452.9	283398		2.013	0.343	0.328	Pass	106.5
64	3:3FTCA	356-02-5	1.58	241.1 / 177.1	19420		2.000	1.002	0.996	Pass	80.0
65	3:3FTCA_2	356-02-5	1.58	241.1 / 117.0	19452		2.060	1.002	0.996	Pass	82.4
66	5:3FTCA	914637-49-3	3.02	341.1 / 237.1	453538		12.180	1.032	1.037	Pass	97.4
67	5:3FTCA_2	914637-49-3	3.02	341.1 / 217.0	468107		12.126	1.032	1.037	Pass	97.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	4.04	441.1 / 316.9	433102		11.345	1.199	1.181	Pass	90.8
69	7:3FTCA_2	812-70-4	4.04	441.1 / 337.1	519244		11.920	1.199	1.181	Pass	95.4
70	PFEESA	113507-82-7	2.32	315.1 / 135.0	473012		0.860	0.078	0.078	Pass	96.4
71	PFEESA_2	113507-82-7	2.32	315.1 / 82.9	36915		0.815	0.078	0.078	Pass	91.3
72	PFMPA	377-73-1	0.79	229.0 / 85.0	116372		0.849	N/A	N/A	N/A	84.9
73	PFMBA	863090-89-5	1.49	279.0 / 85.0	161710		0.991	N/A	N/A	N/A	99.1
74	NFDHA	151772-58-6	1.92	295.0 / 201.0	61024		0.926	0.798	0.765	Pass	92.6
75	NFDHA_2	151772-58-6	1.92	295.0 / 84.9	48717		0.950	0.798	0.765	Pass	95.0
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	5.845	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	5.845	N/A	N/A
78	13C2D4-4:2FTS	Surr	1.76	333.2 / 312.1	166409		5.552	N/A	N/A	N/A	111.1
79	13C2-PFOA	Surr	3.06	415.0 / 370.0	533153		2.931	N/A	N/A	N/A	117.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.63	217.0 / 172.0	1427861		10.335	NA	NA	NA	103.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.23	268.0 / 223.0	610681		5.250	NA	NA	NA	105.0
	13C5-PFHxA	EIS	1.99	318.0 / 273.0	368723		2.560	NA	NA	NA	102.4
	13C4-PFHpA	EIS	2.57	367.0 / 322.0	472805		2.601	NA	NA	NA	104.0
	13C8-PFOA	EIS	3.06	420.8 / 376.0	538020		2.613	NA	NA	NA	104.5
	13C9-PFNA	EIS	3.51	472.0 / 427.0	262687		1.267	NA	NA	NA	101.3
	13C6-PFDA	EIS	3.95	519.0 / 474.0	356899		1.297	NA	NA	NA	103.7
	13C7-PFUnA	EIS	4.37	570.0 / 525.0	364338		1.246	NA	NA	NA	99.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.79	615.1 / 570.0	291424		1.211	NA	NA	NA	96.9
	13C2-PFTeDA	EIS	5.58	715.1 / 670.1	352000		1.246	NA	NA	NA	99.6
	13C3-PFBS	EIS	2.00	302.1 / 80.1	552241		2.330	NA	NA	NA	100.0
	13C3-PFHxS	EIS	3.18	402.1 / 80.1	485290		2.414	NA	NA	NA	101.9
	13C8-PFOS	EIS	4.11	507.1 / 80.1	610983		2.511	NA	NA	NA	104.6
	13C2-4:2FTS	EIS	1.77	329.1 / 81.1	93879		4.199	NA	NA	NA	89.5
	13C2-6:2FTS	EIS	2.87	429.2 / 81.1	93471		4.386	NA	NA	NA	92.2
	13C2-8:2FTS	EIS	3.75	529.2 / 81.1	138496		4.610	NA	NA	NA	96.0

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C8-PFOSA	EIS	5.19	506.1 / 78.1	915401		2.619	NA	NA	NA	104.8
d3-NMeFOSA	EIS	5.92	515.2 / 219.0	135101		2.467	NA	NA	NA	98.7
d5-NEtFOSA	EIS	6.21	531.2 / 219.0	135794		2.505	NA	NA	NA	100.2
d3-NMeFOSAA	EIS	4.05	573.2 / 419.1	202493		4.626	NA	NA	NA	92.5
d5-NEtFOSAA	EIS	4.26	589.3 / 419.1	186475		5.081	NA	NA	NA	101.6
d7-NMeFOSE	EIS	5.77	623.2 / 58.9	985670		25.077	NA	NA	NA	100.3
d9-NEtFOSE	EIS	6.07	639.2 / 58.9	1200517		24.692	NA	NA	NA	98.8

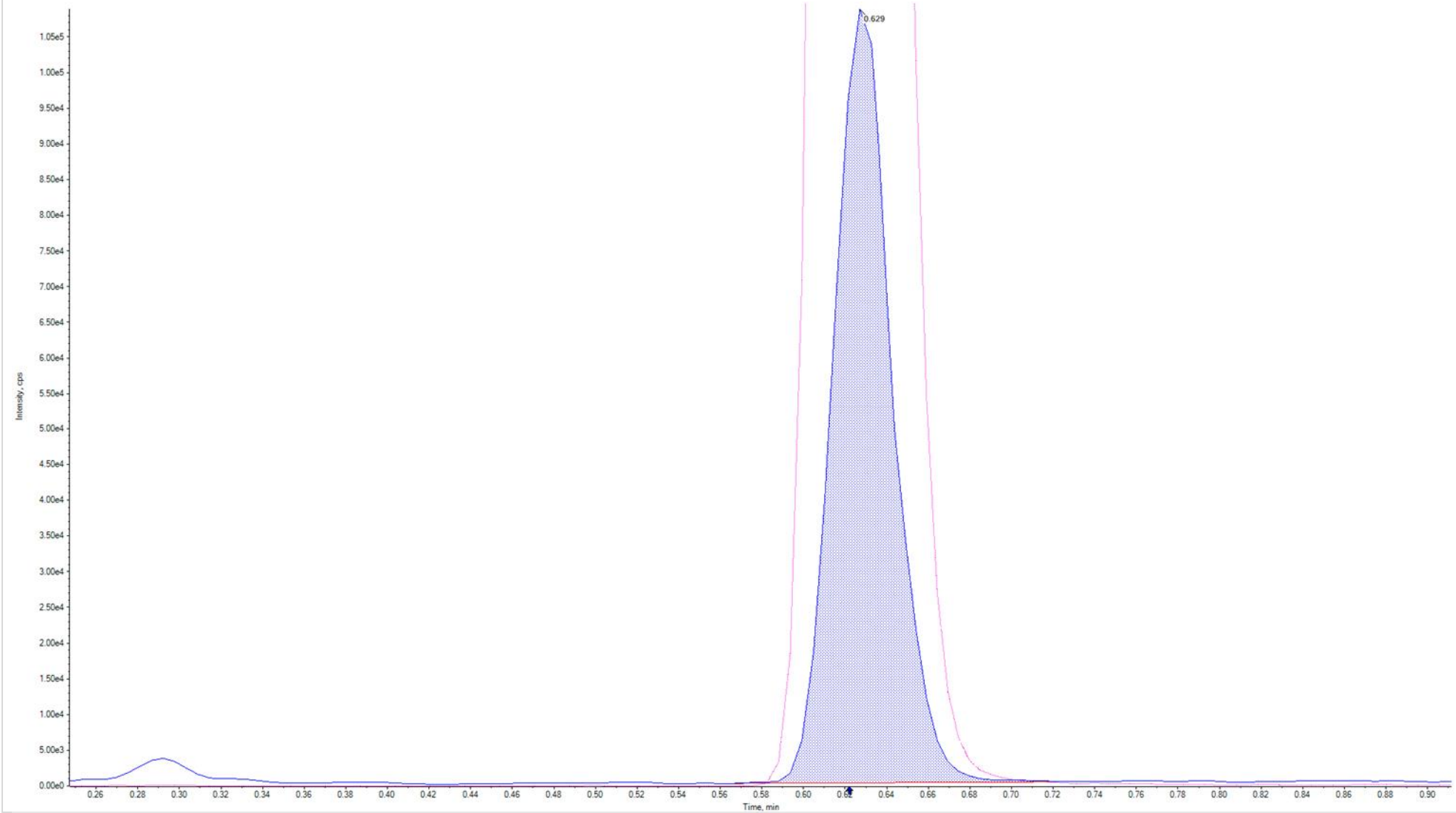
	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.21	287.0 / 169.0	1396387		10.564	NA	NA	NA	105.6
	13C3-PFBA	NIS	0.62	216.0 / 172.0	606486		6.145	NA	NA	NA	122.9
	13C2-PFHxA	NIS	1.99	315.0 / 270.0	385153		2.816	NA	NA	NA	112.6
	13C4-PFOA	NIS	3.06	417.0 / 372.0	399353		2.736	NA	NA	NA	109.4
	13C5-PFNA	NIS	3.51	468.0 / 423.0	261047		1.406	NA	NA	NA	112.5
	13C2-PFDA	NIS	3.95	515.1 / 470.1	330456		1.451	NA	NA	NA	116.1
	18O2-PFHxS	NIS	3.18	403.1 / 84.1	413958		2.707	NA	NA	NA	114.2
	13C4-PFOS	NIS	4.11	503.1 / 80.1	447073		2.629	NA	NA	NA	109.5

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

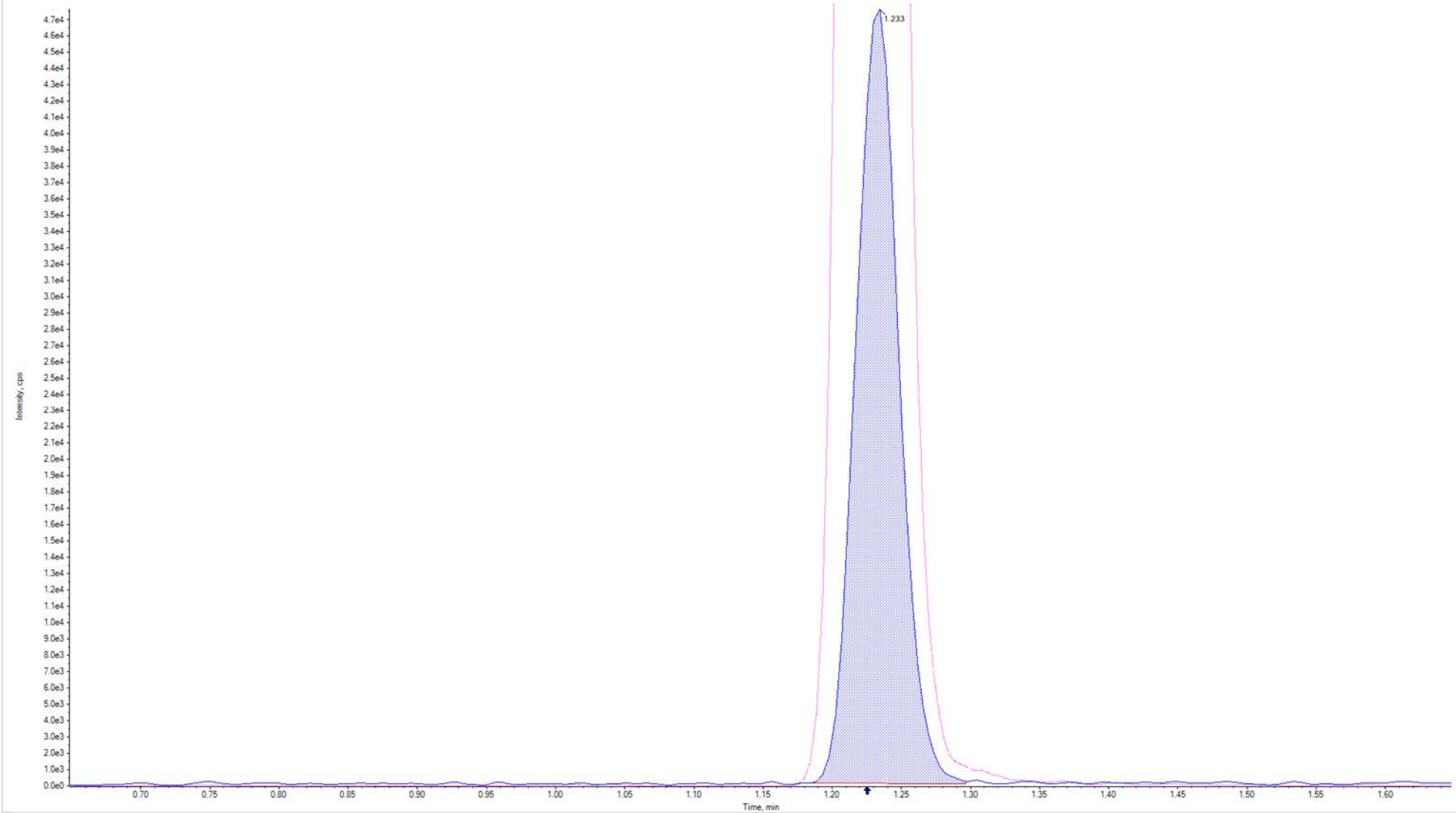
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PFBA
Sample: IA1633STD-.5 S/N:748.8 Points Across peak:33



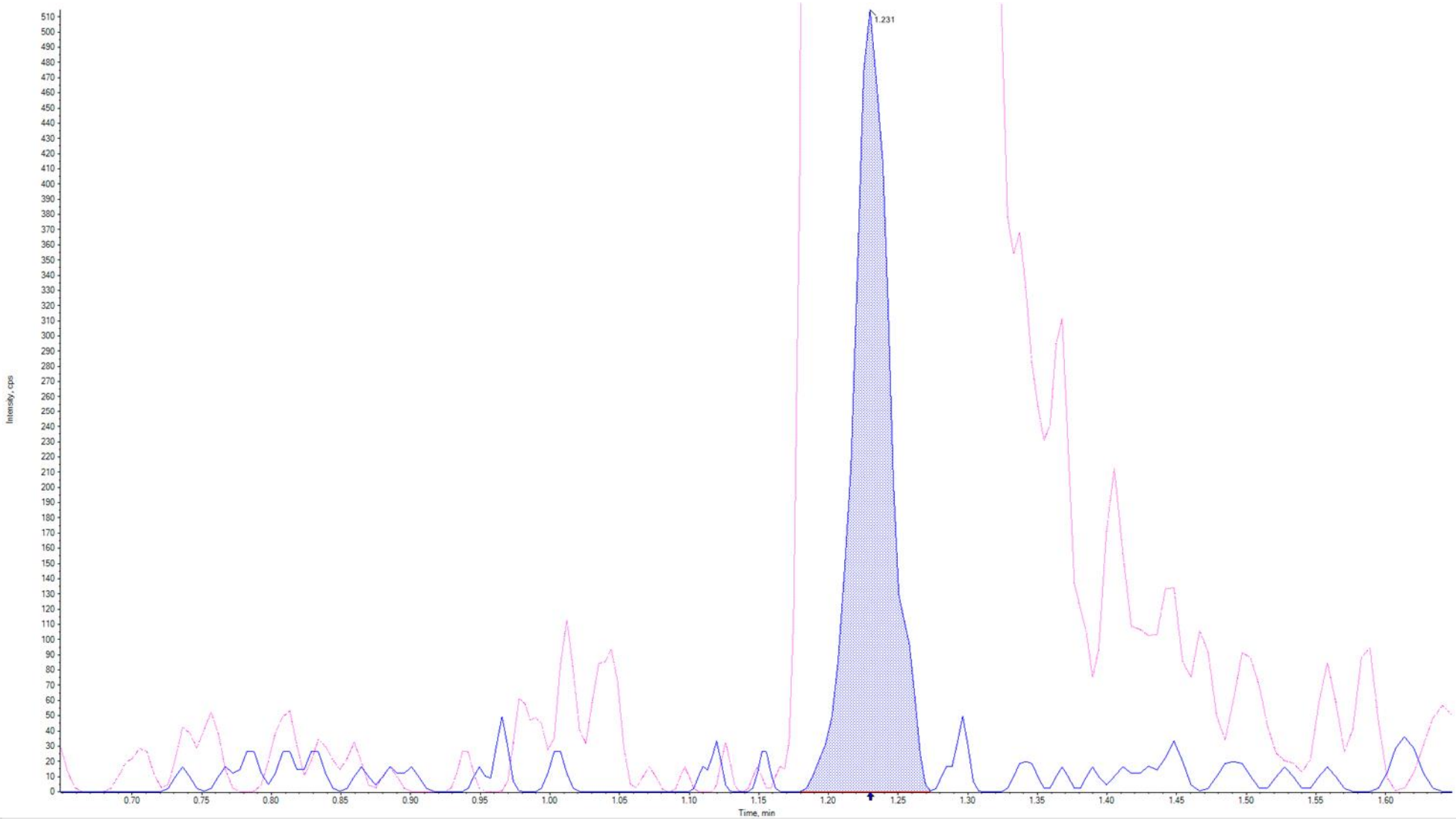
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PFPeA
Sample: IA1633STD-.5 S/N:1783.9 Points Across peak:28



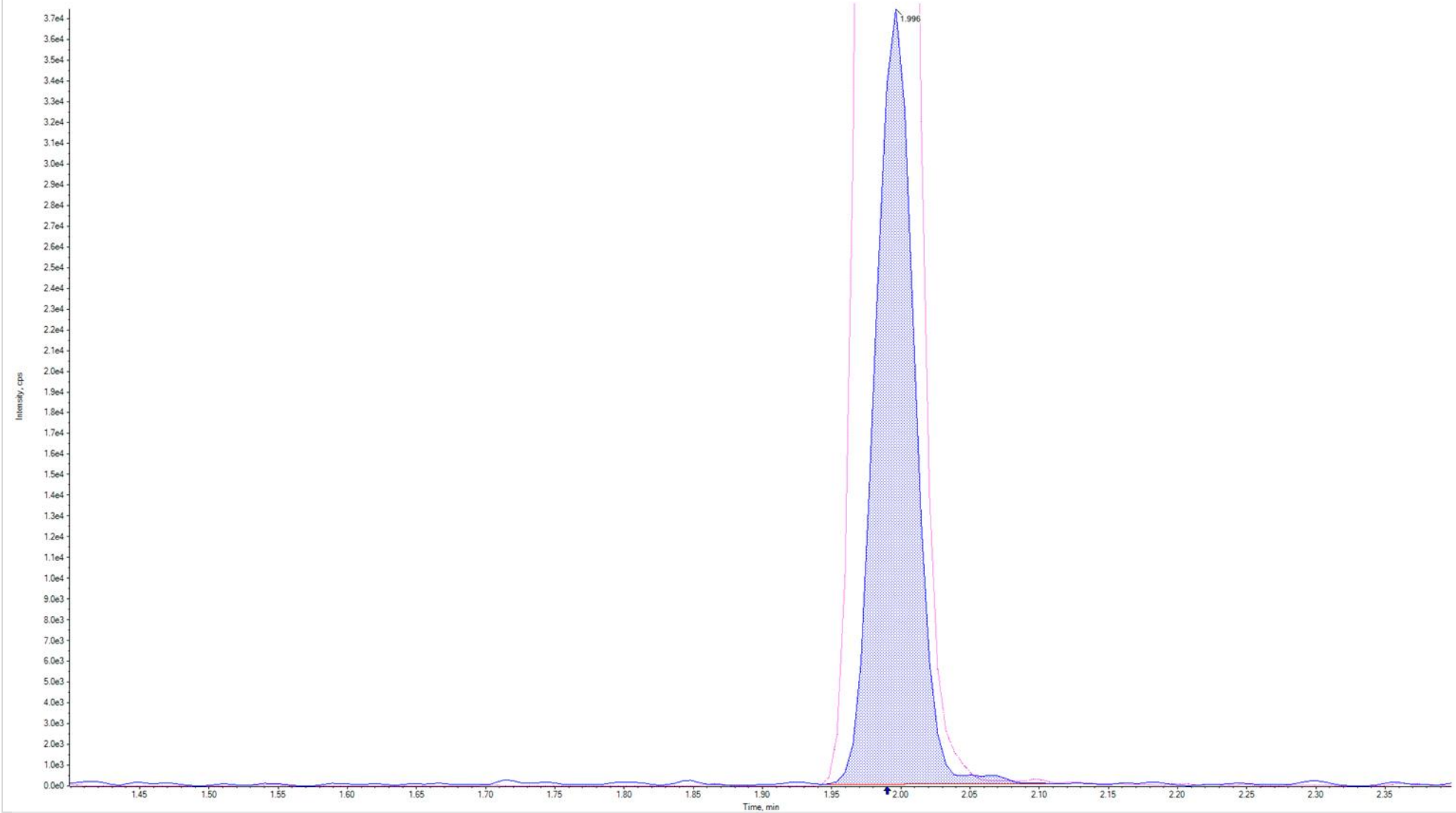
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PFPeA_2
Sample: IA1633STD-.5 S/N:30.9 Points Across peak:24



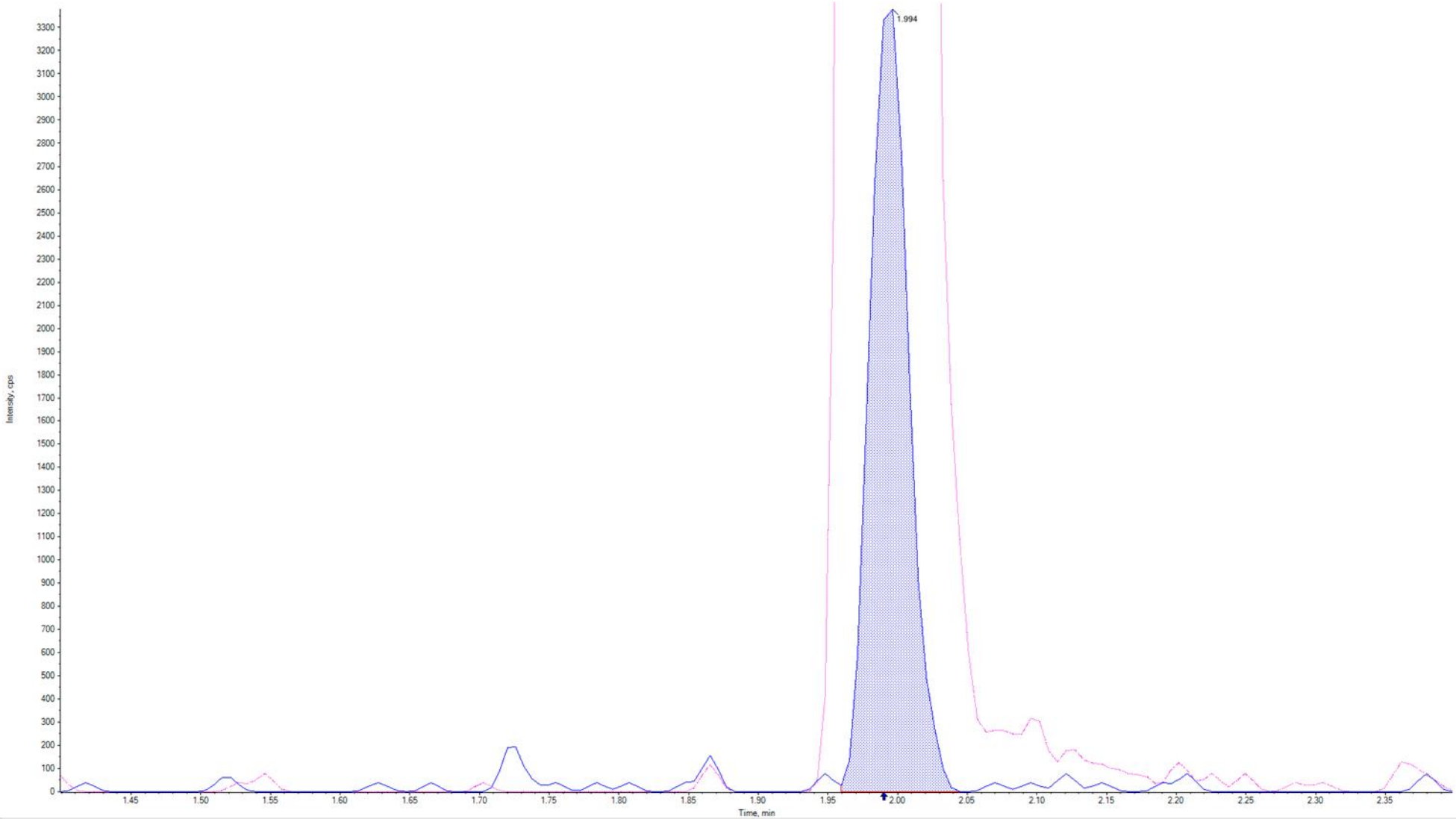
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_13.wiff2_3
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFHxA
Sample: IA1633STD-.5 S/N:937.0 Points Across peak:29



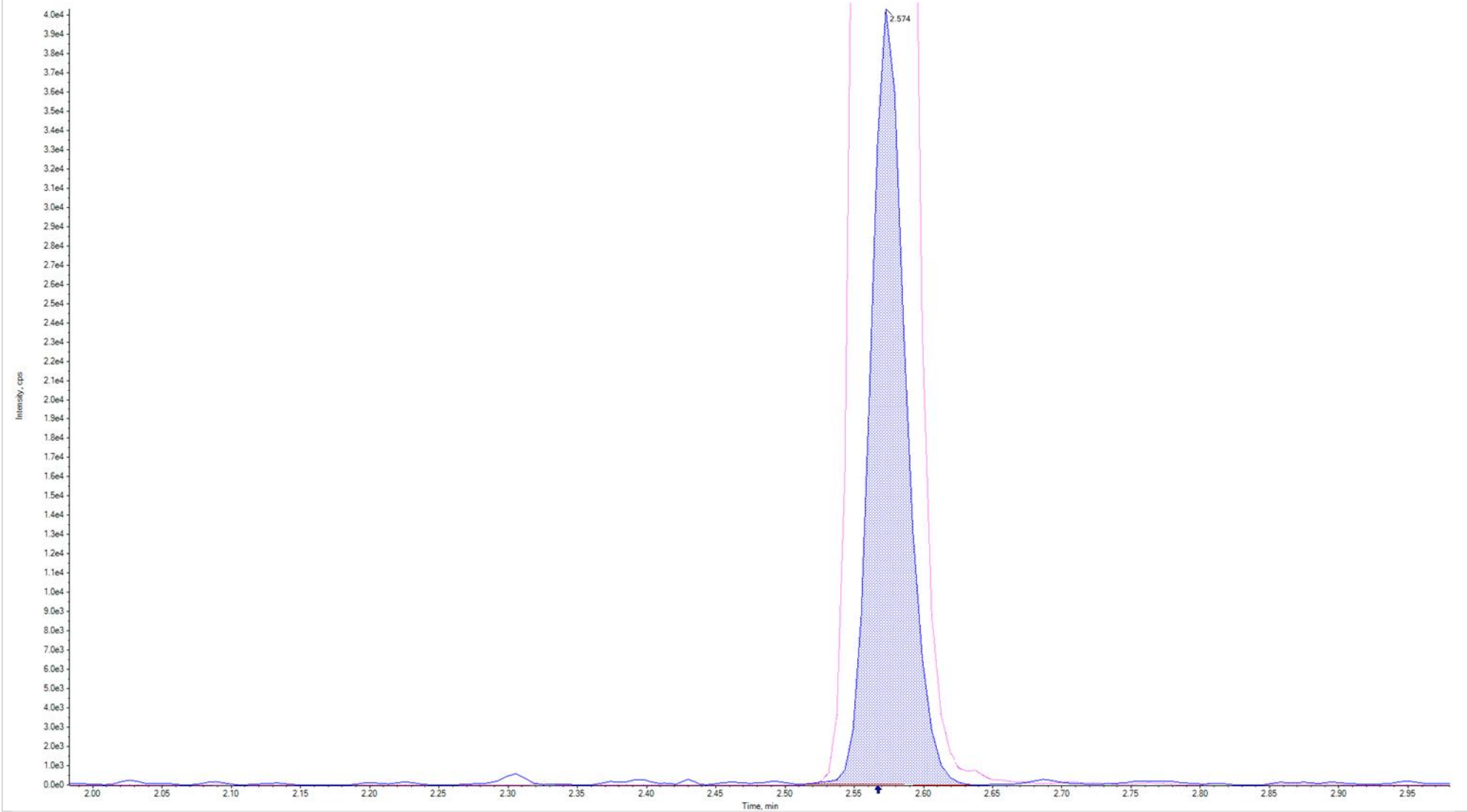
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFHxA_2
Sample: IA1633STD-.5 S/N:84.7 Points Across peak:16



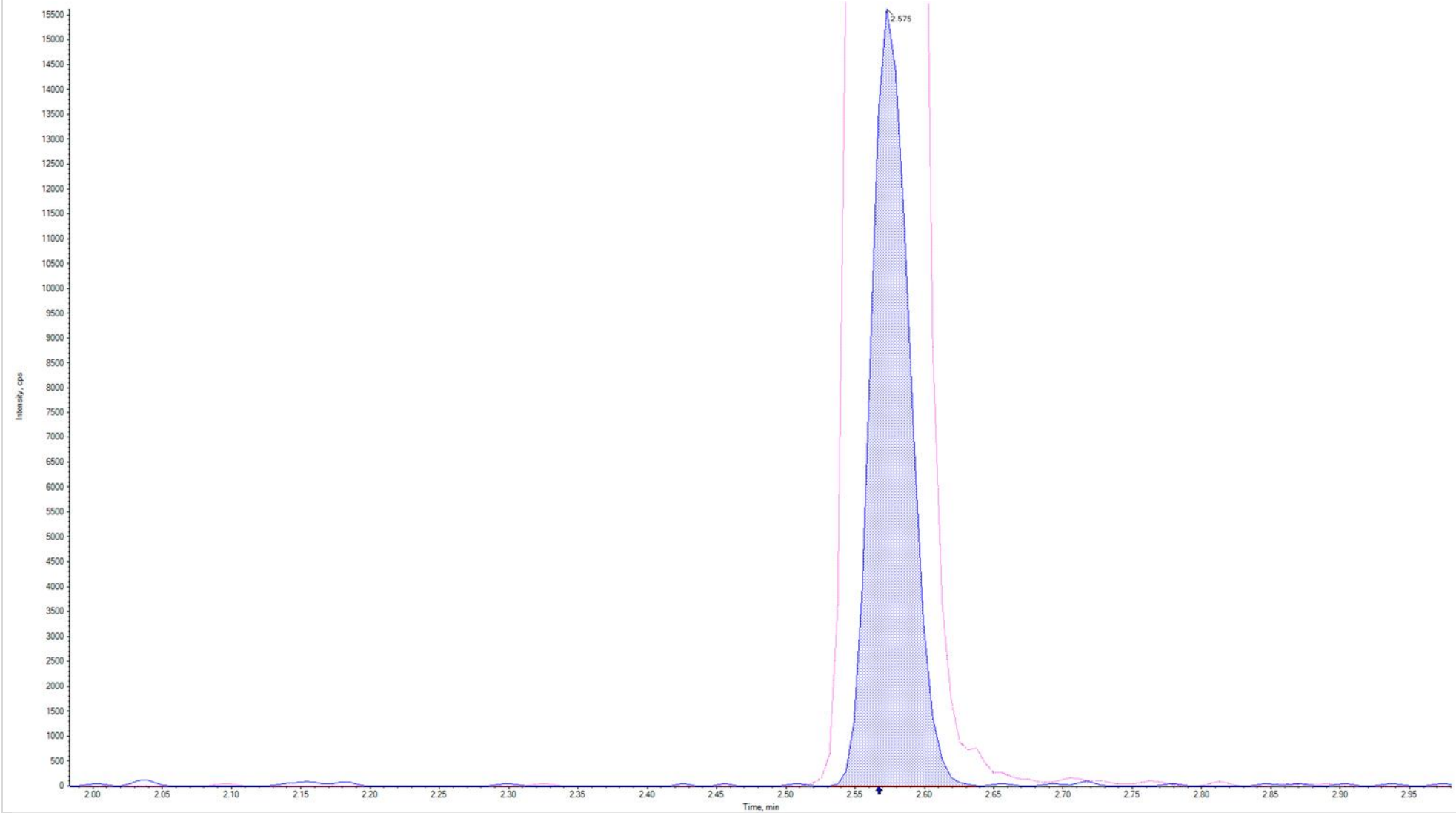
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFHpA
Sample: IA1633STD-.5 S/N:807.5 Points Across peak:21



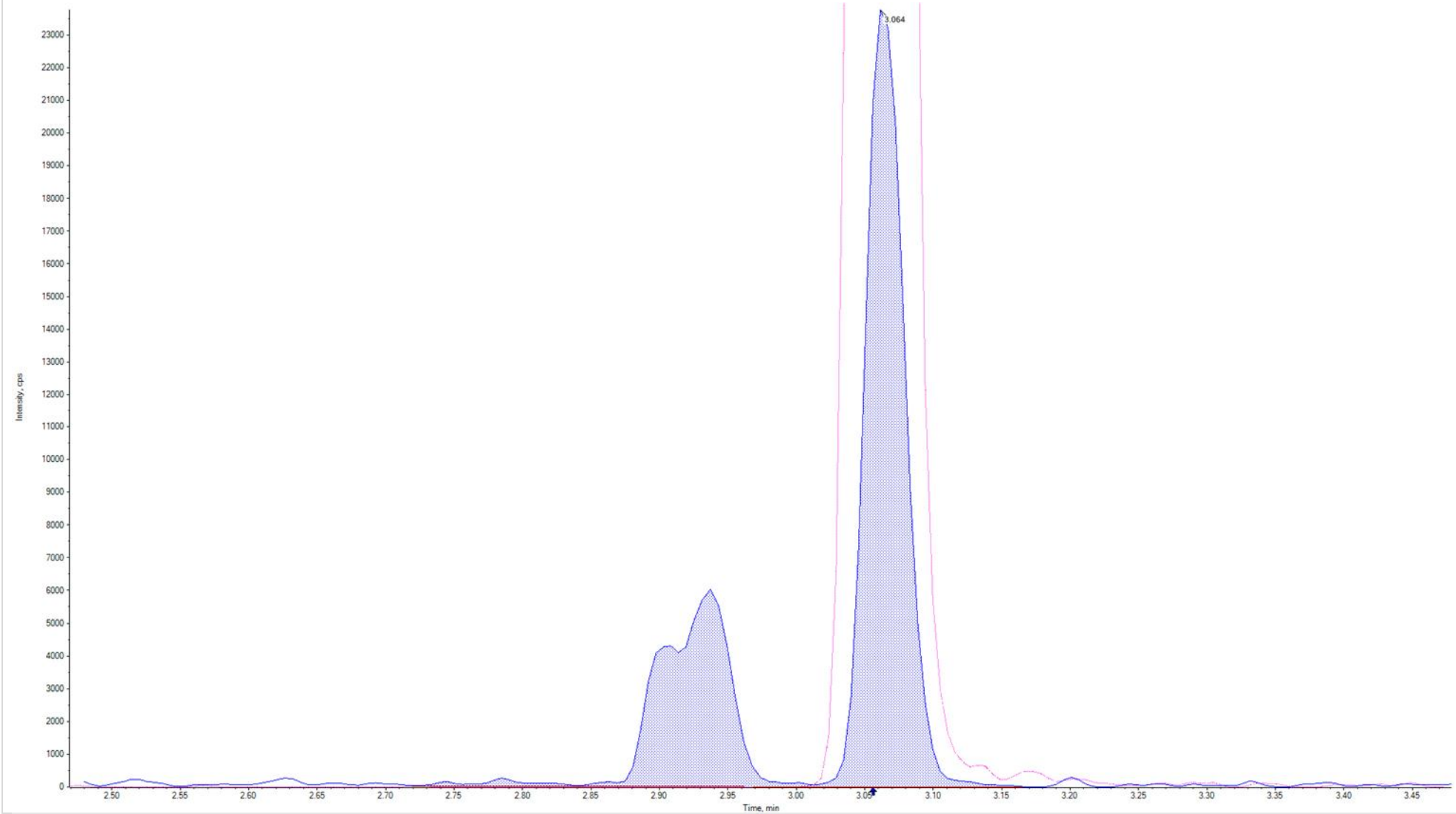
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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PFHpA_2
Sample: IA1633STD-.5 S/N:313.1 Points Across peak:20



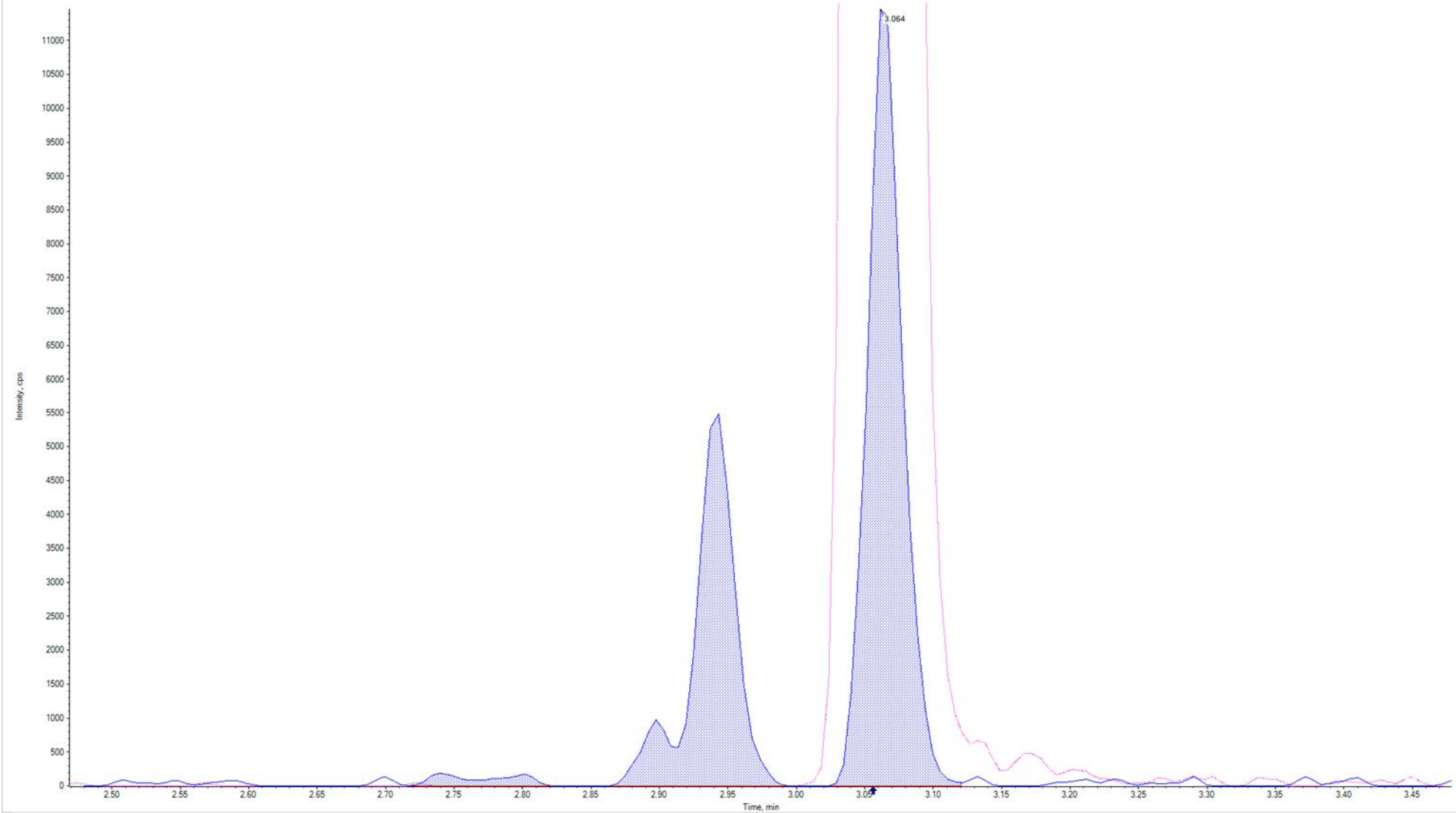
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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PFOA
Sample: IA1633STD-.5 S/N:324.4 Points Across peak:82



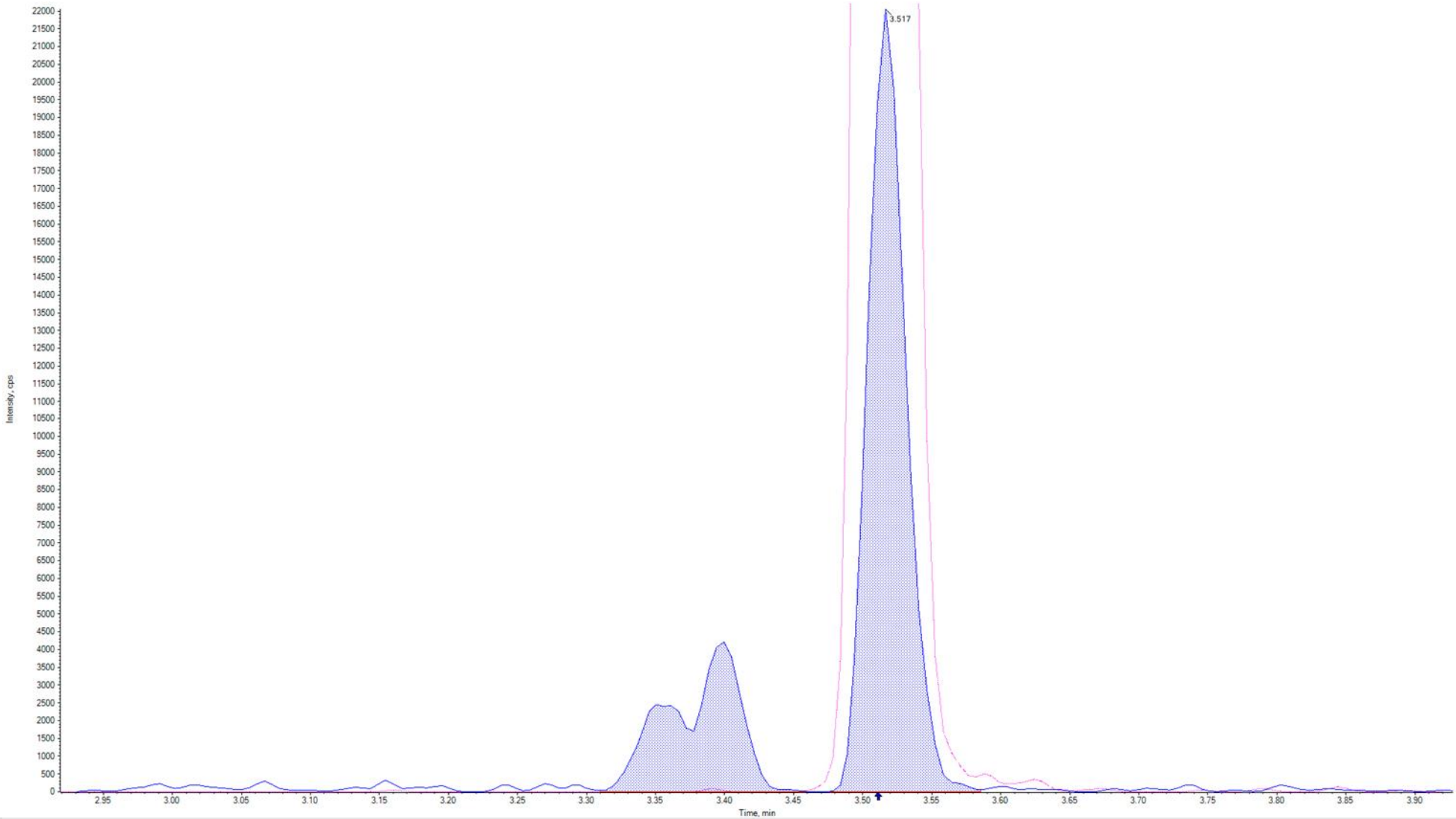
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Alpha Analytical LLC
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PFOA_2
Sample: IA1633STD-.5 S/N:228.0 Points Across peak:74



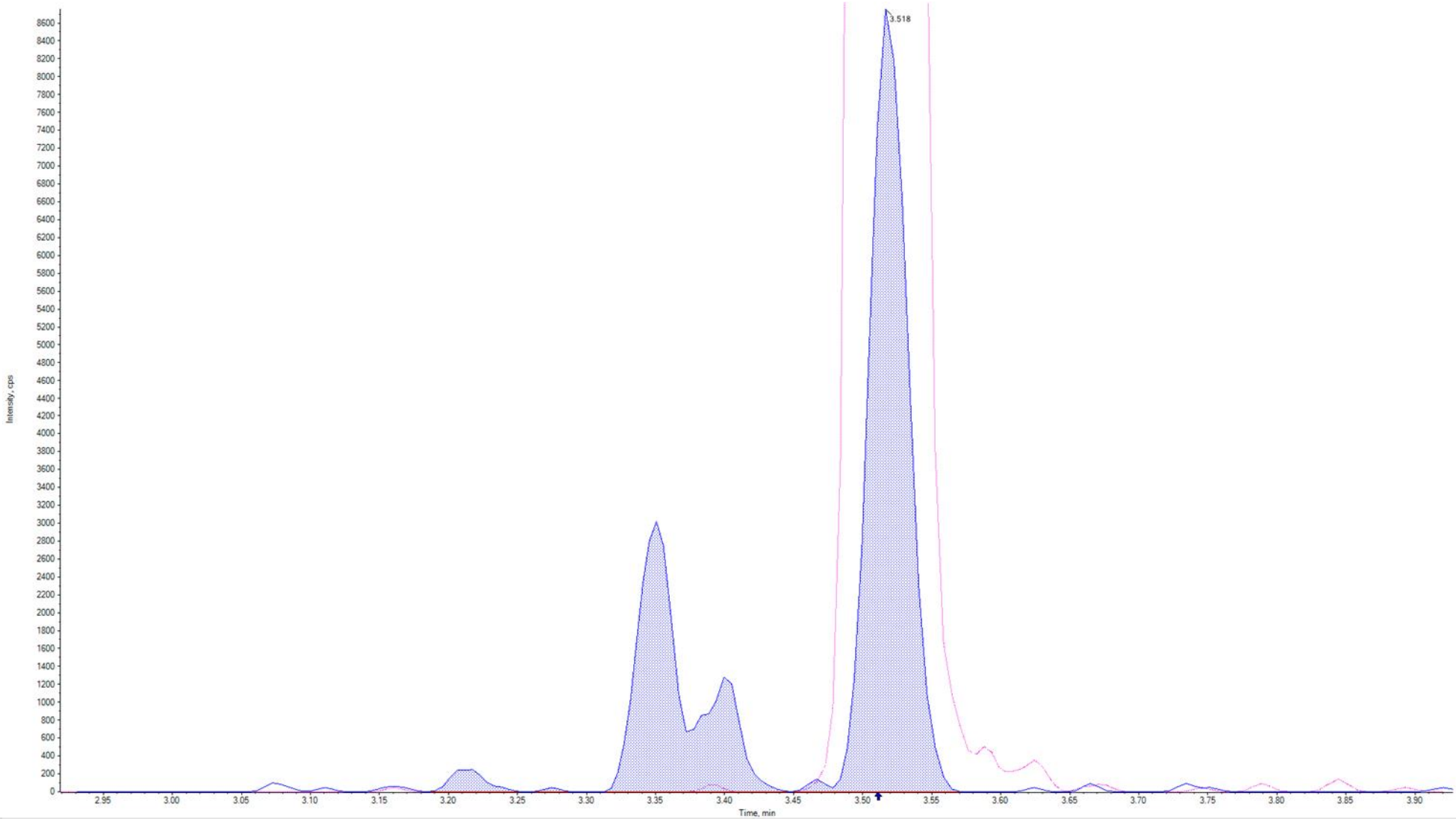
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Alpha Analytical LLC
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PFNA
Sample: IA1633STD-.5 S/N:284.3 Points Across peak:52



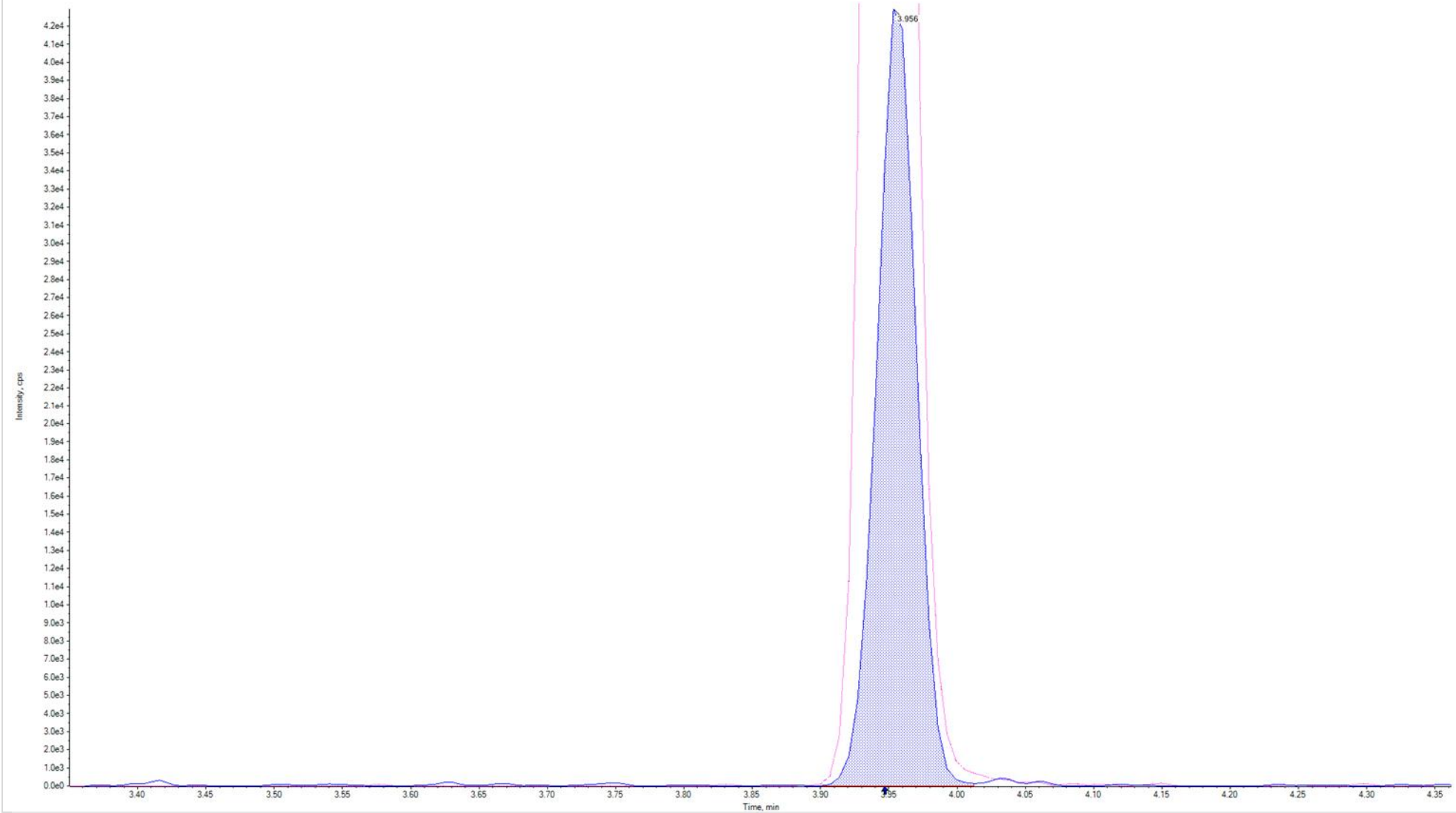
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFNA_2
Sample: IA1633STD-.5 S/N:197.5 Points Across peak:75



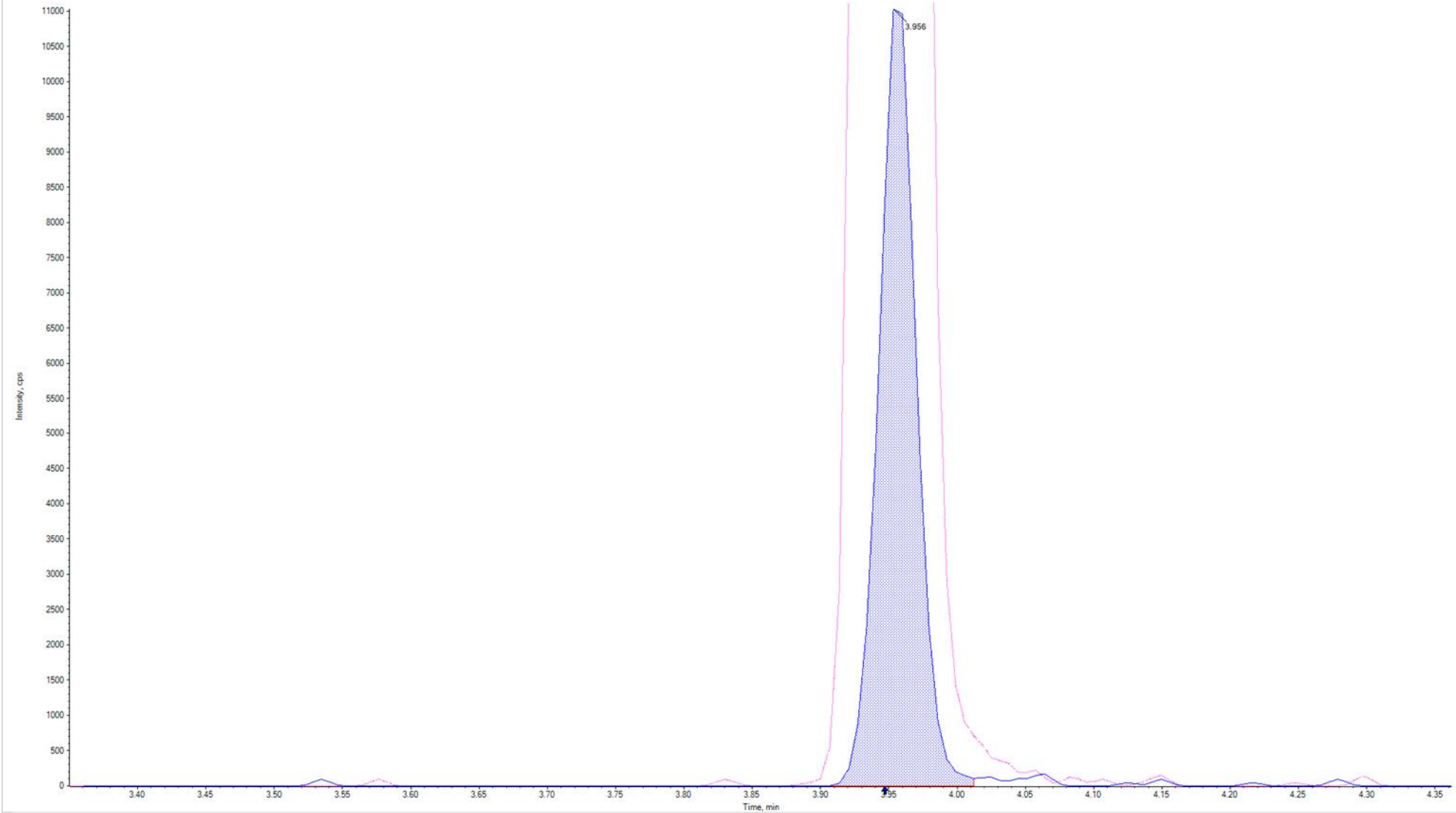
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFDA
Sample: IA1633STD-.5 S/N:861.0 Points Across peak:19



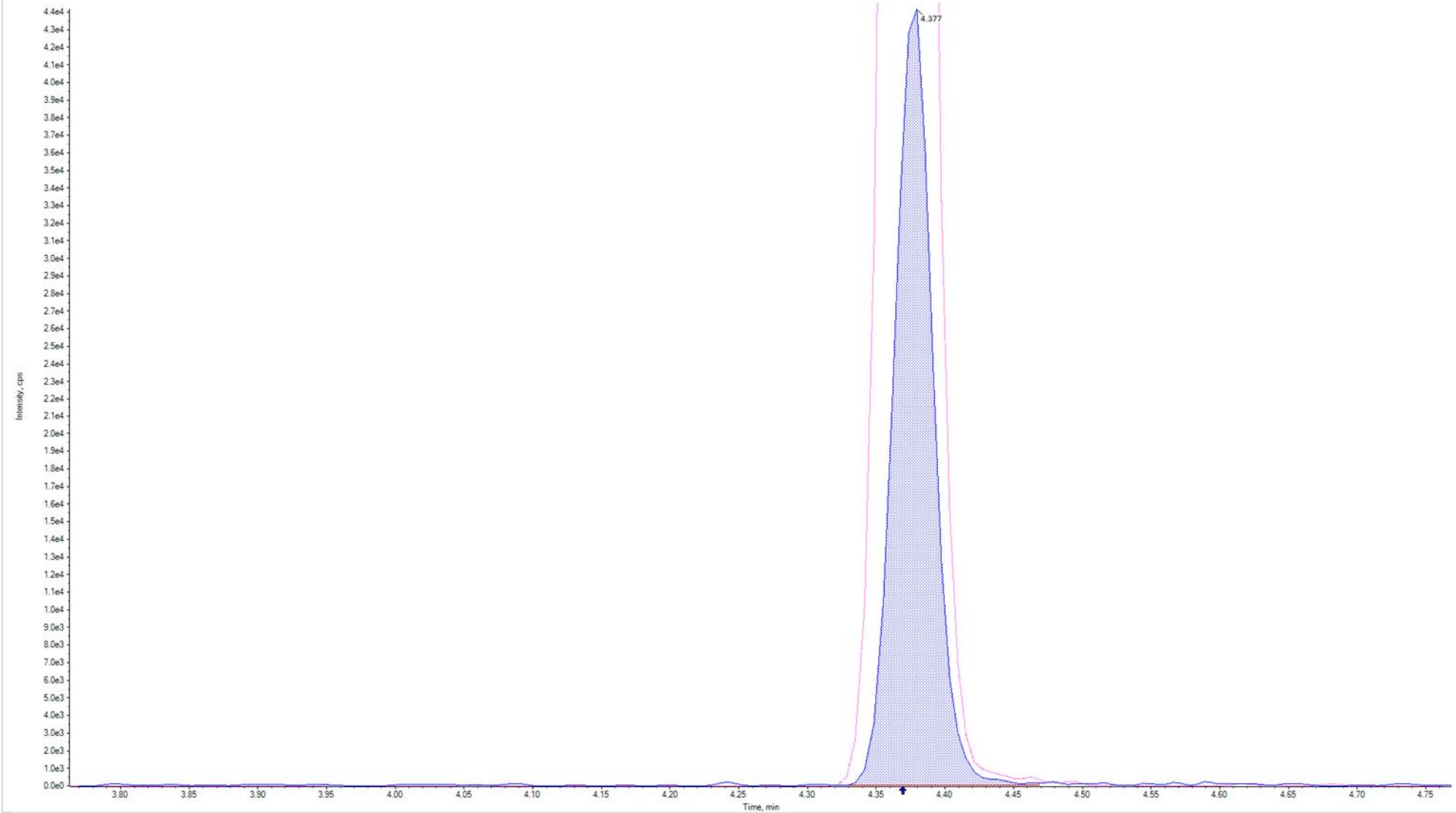
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFDA_2
Sample: IA1633STD-.5 S/N:221.2 Points Across peak:20



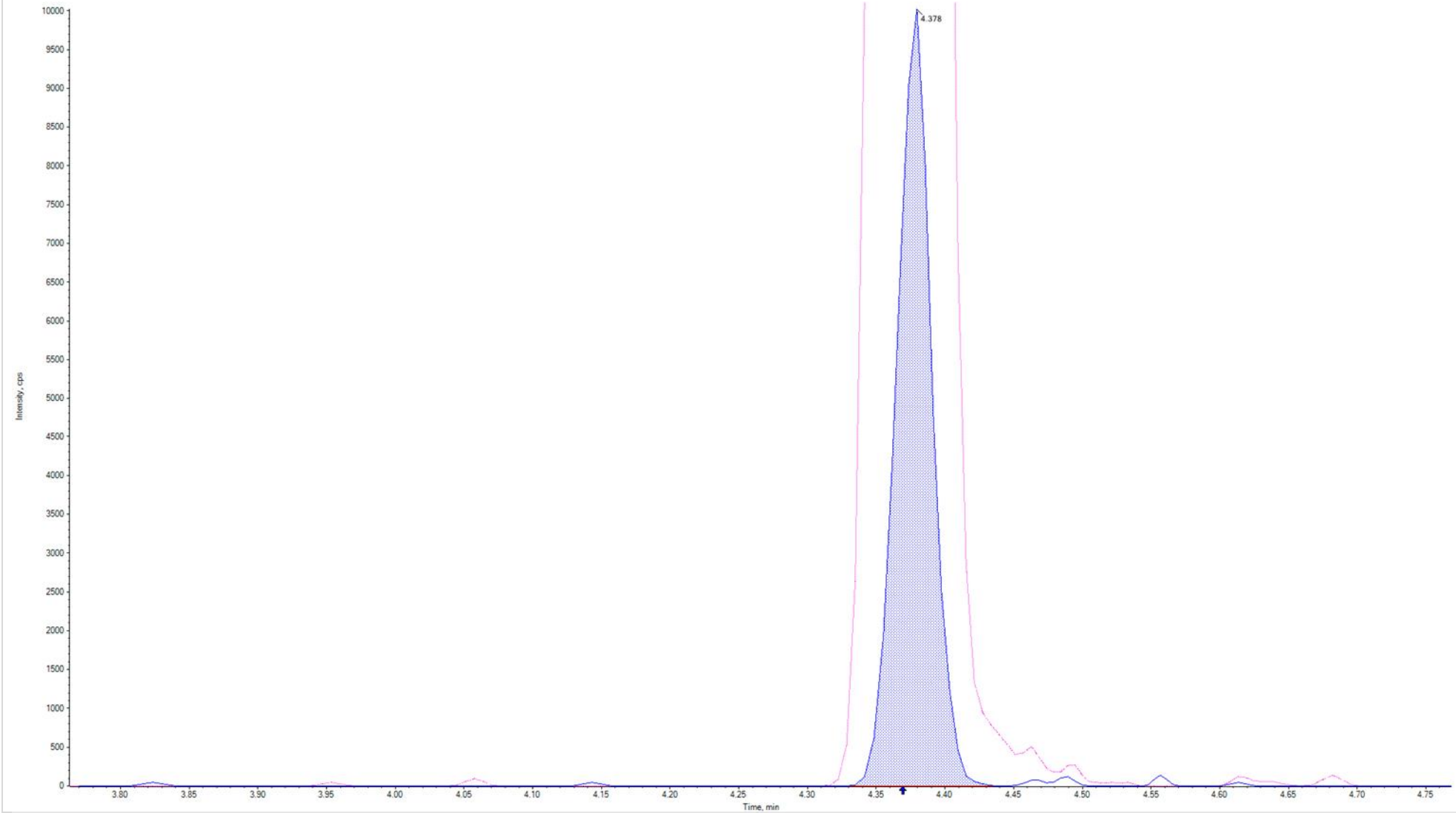
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Alpha Analytical LLC
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PFUnA
Sample: IA1633STD-.5 S/N:995.7 Points Across peak:24



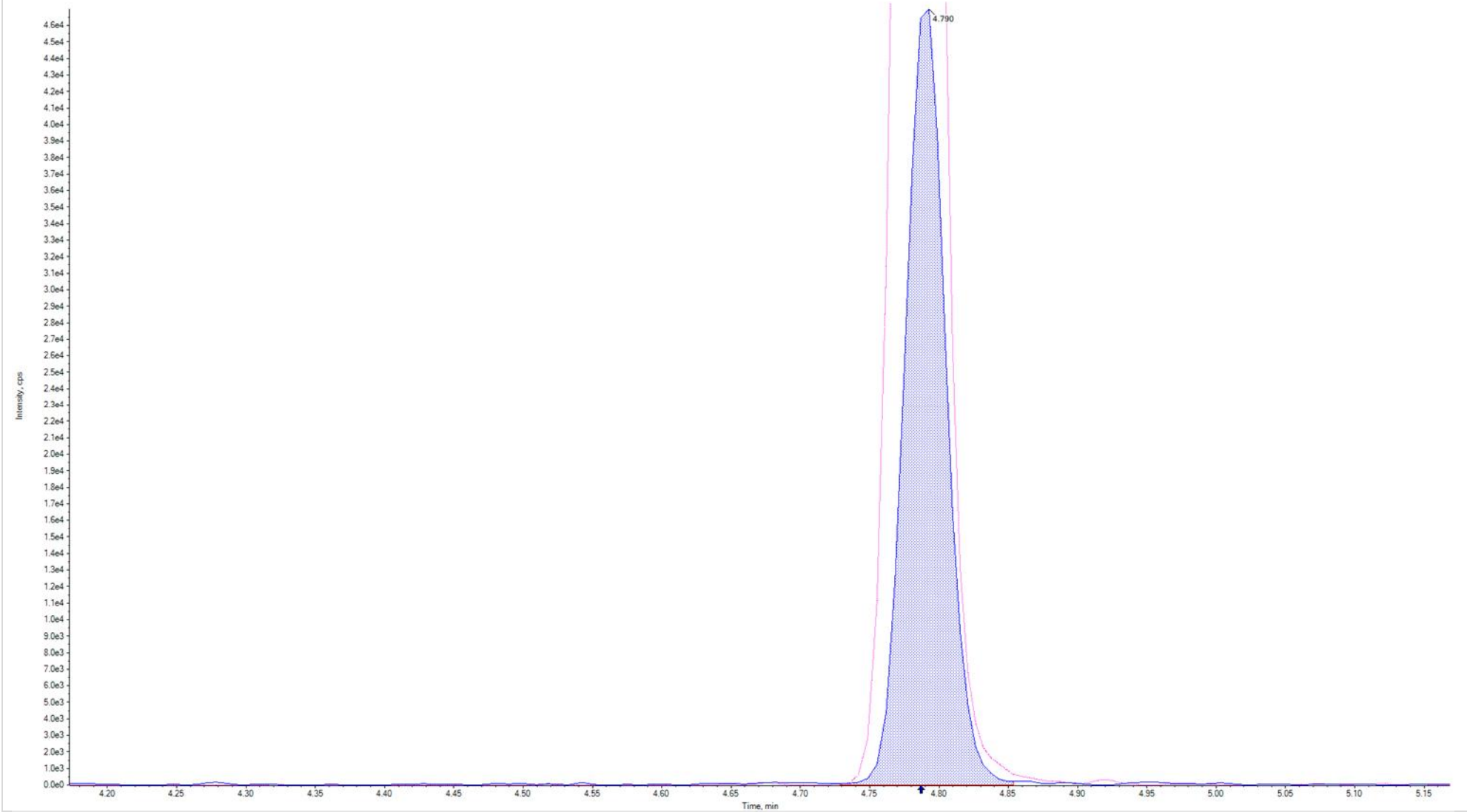
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Alpha Analytical LLC
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PFUnA_2
Sample: IA1633STD-.5 S/N:226.1 Points Across peak:24



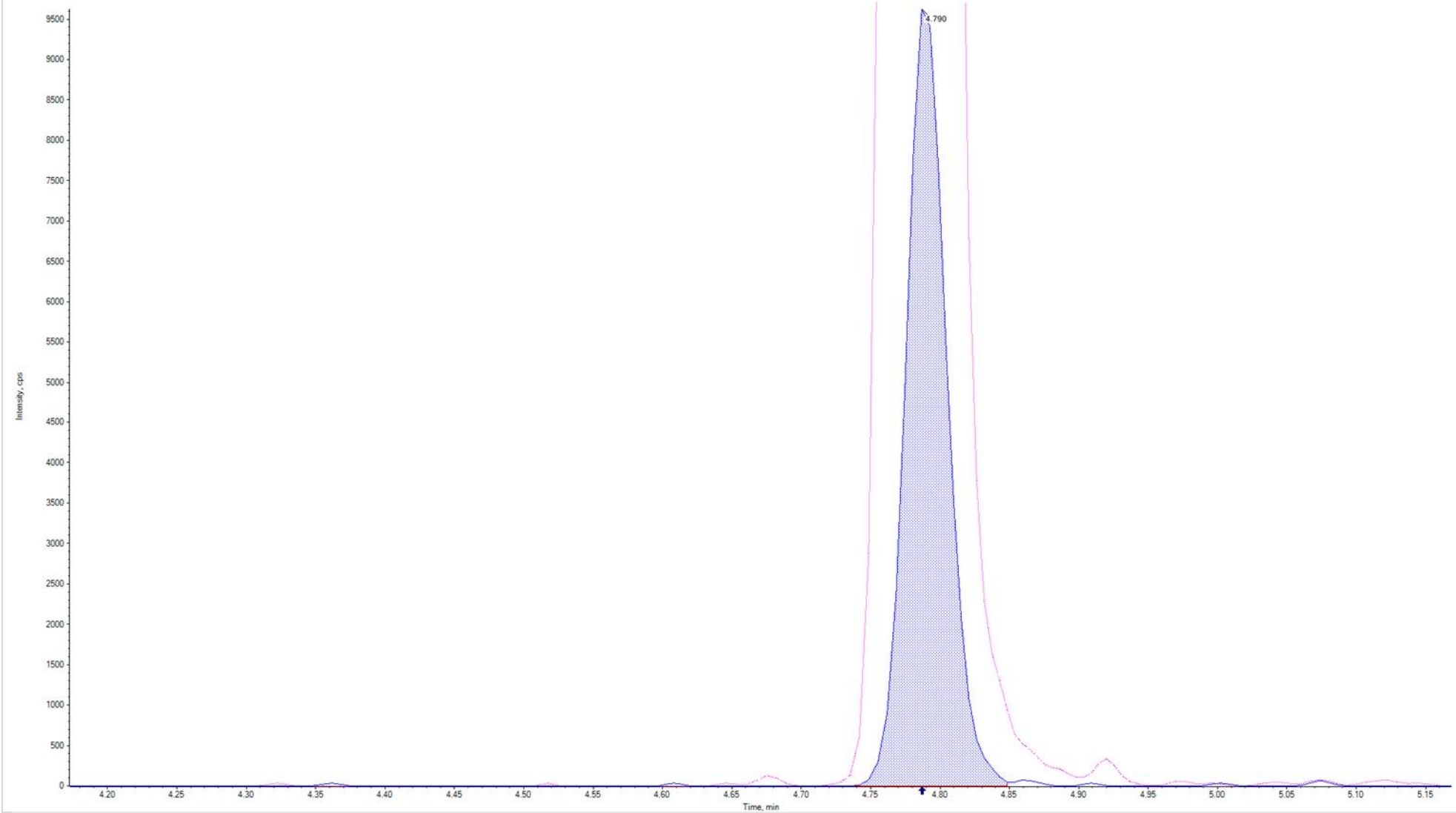
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Alpha Analytical LLC
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PFDoA
Sample: IA1633STD-.5 S/N:1295.6 Points Across peak:22



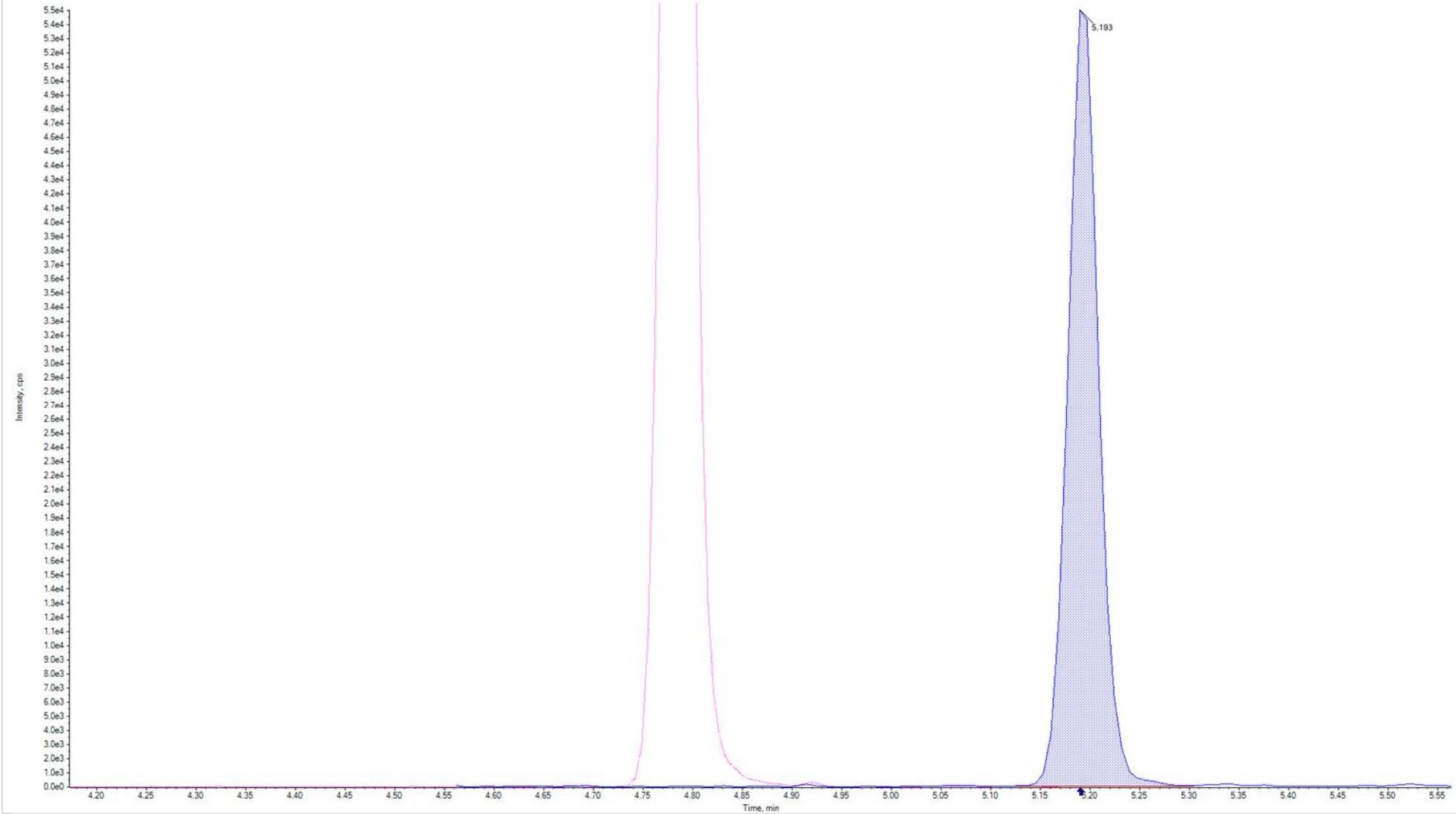
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Alpha Analytical LLC
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PFDoA_2
Sample: IA1633STD-.5 S/N:265.4 Points Across peak:25



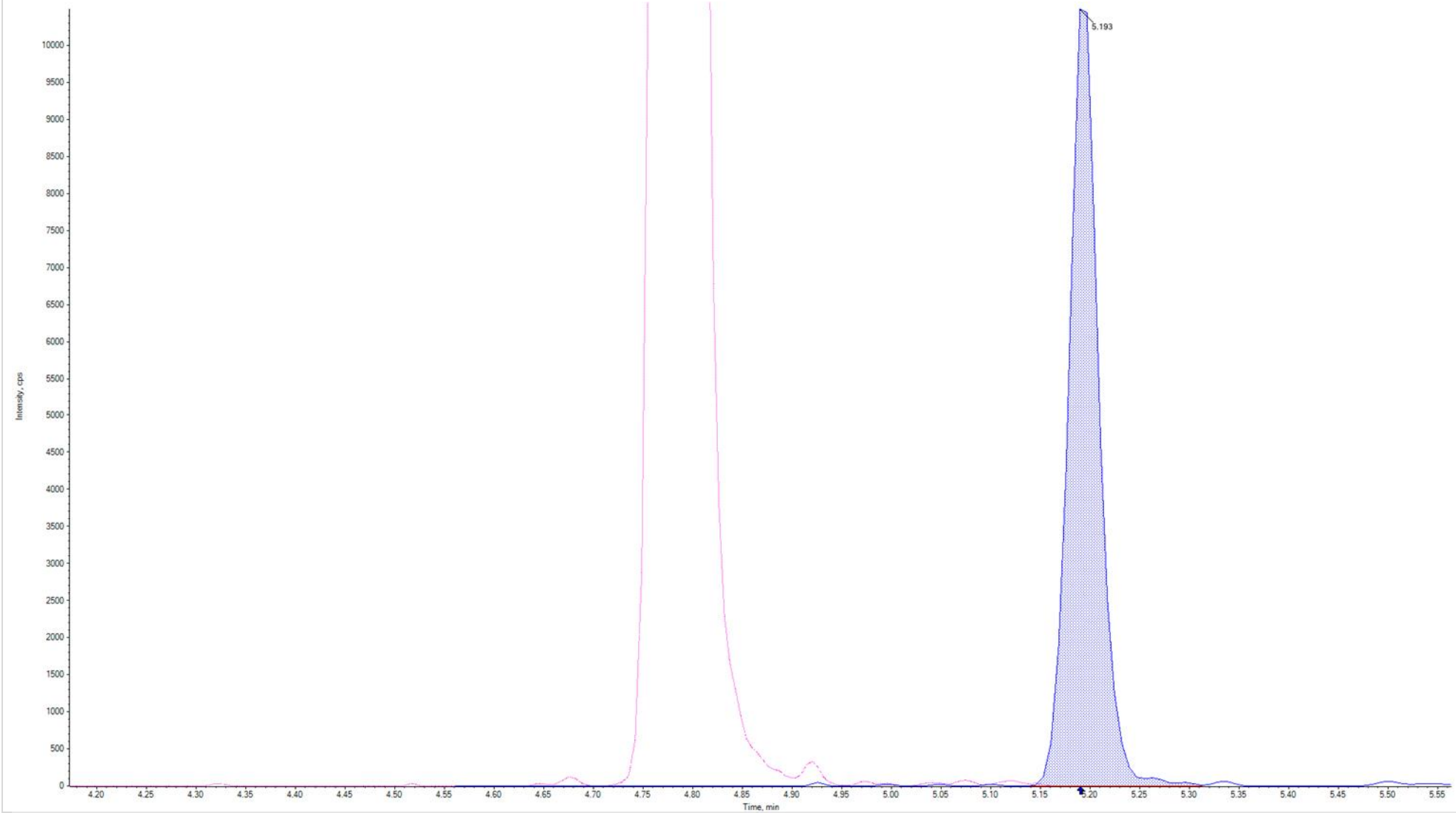
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PFTrDA
Sample: IA1633STD-.5 S/N:2205.7 Points Across peak:26



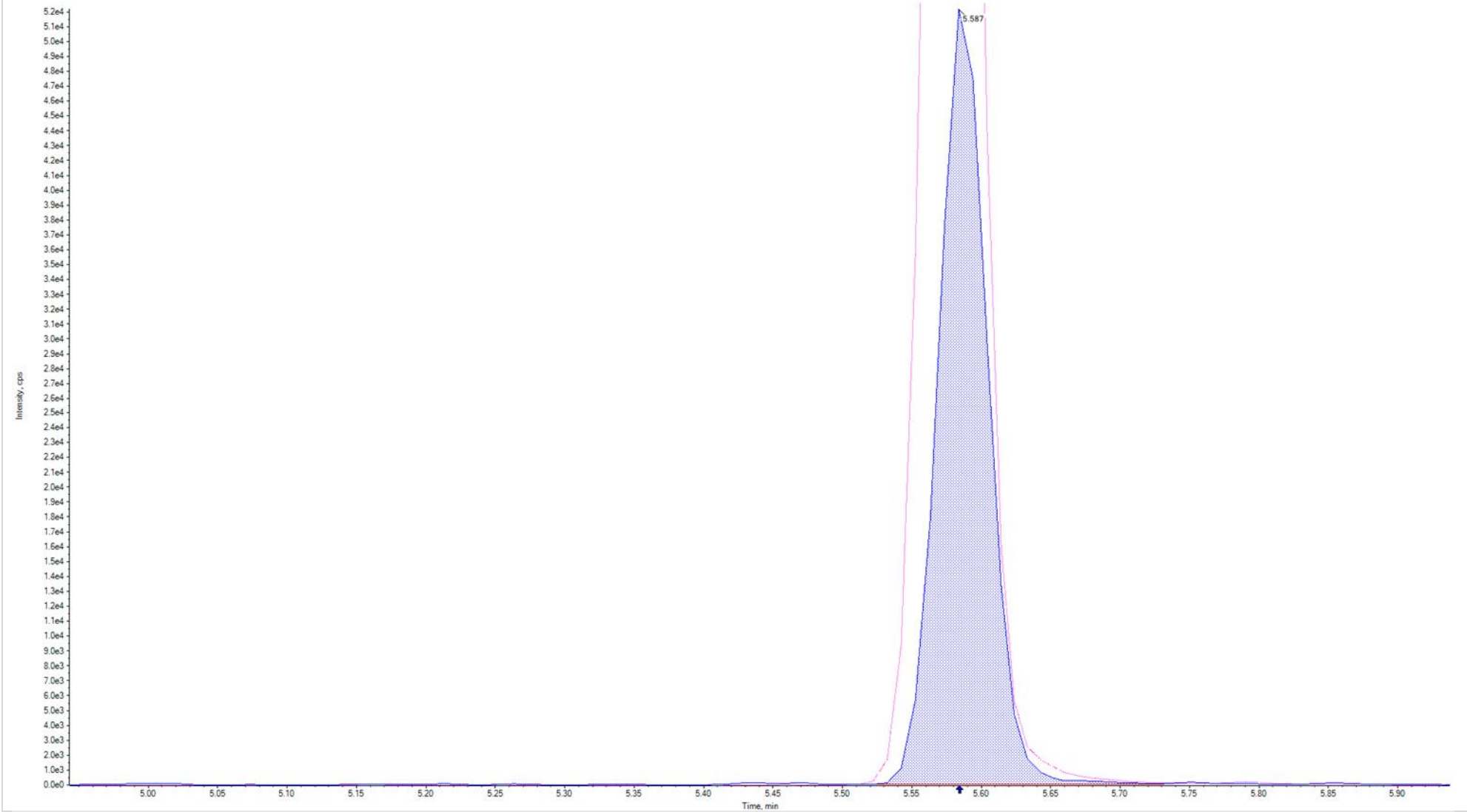
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Alpha Analytical LLC
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PFTrDA_2
Sample: IA1633STD-.5 S/N:420.7 Points Across peak:25



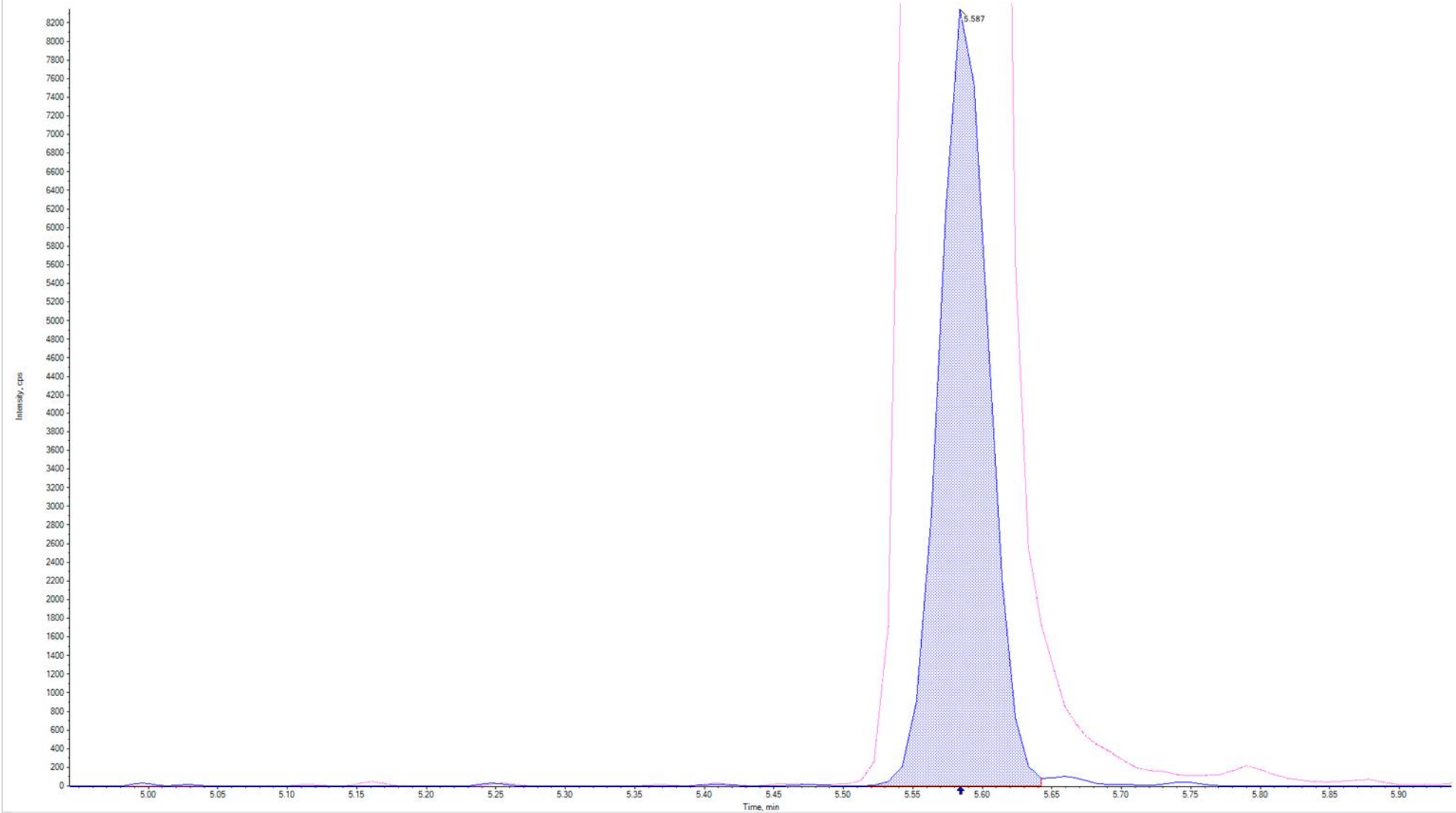
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFTeDA
Sample: IA1633STD-.5 S/N:3266.9 Points Across peak:23



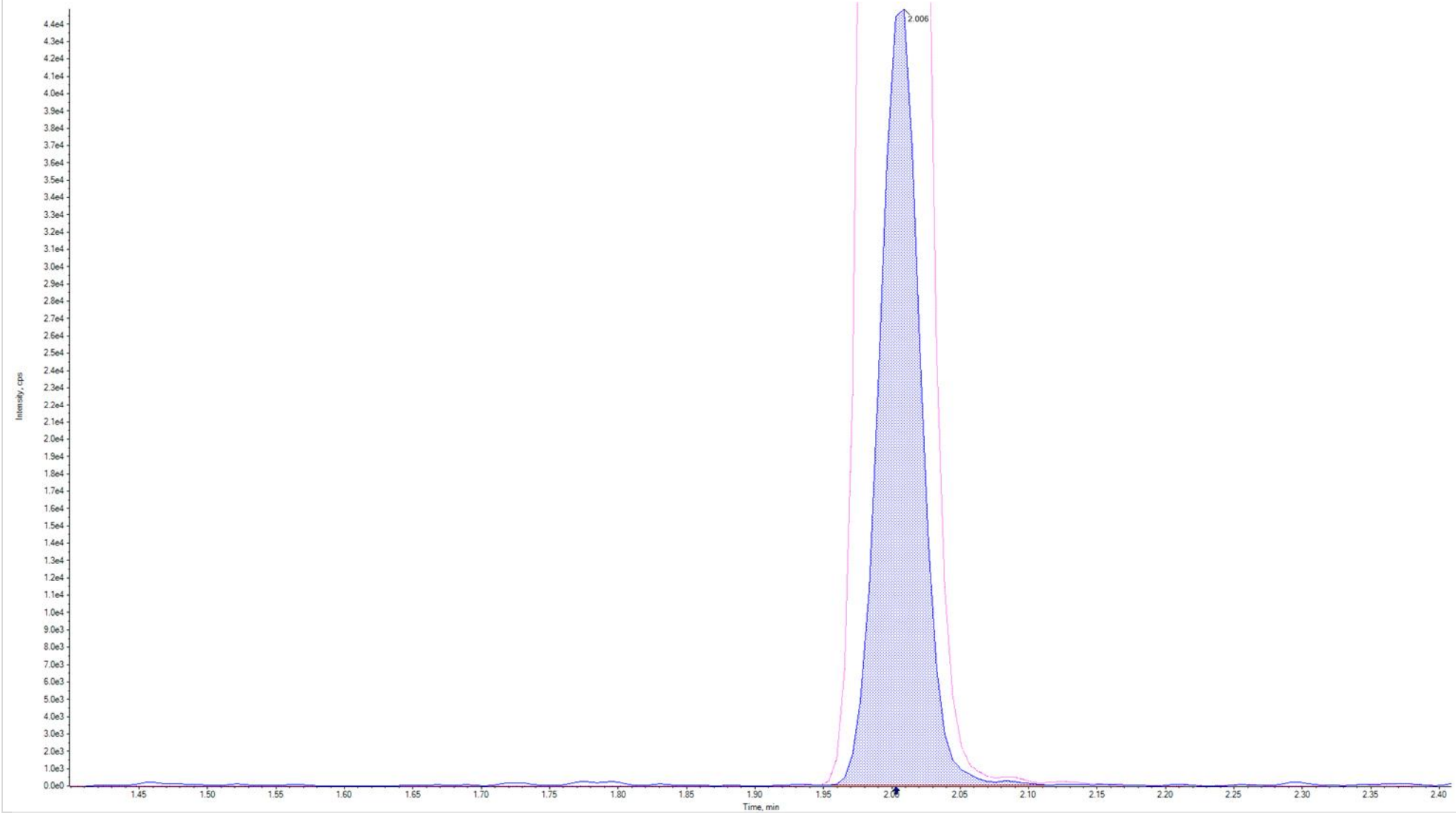
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

PFTeDA_2
Sample: IA1633STD-.5 S/N:523.1 Points Across peak:15



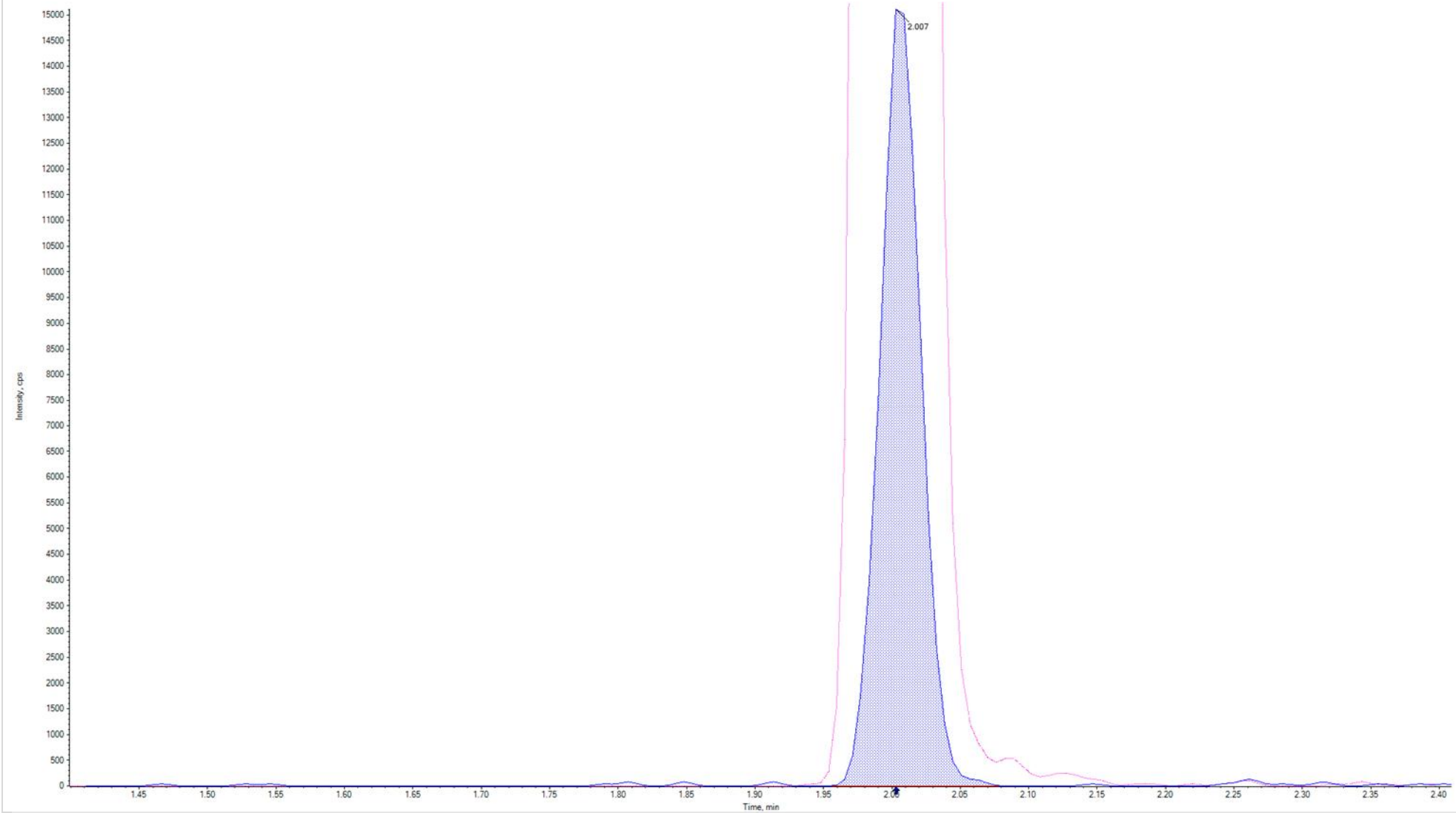
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFBS
Sample: IA1633STD-.5 S/N:1123.9 Points Across peak:28



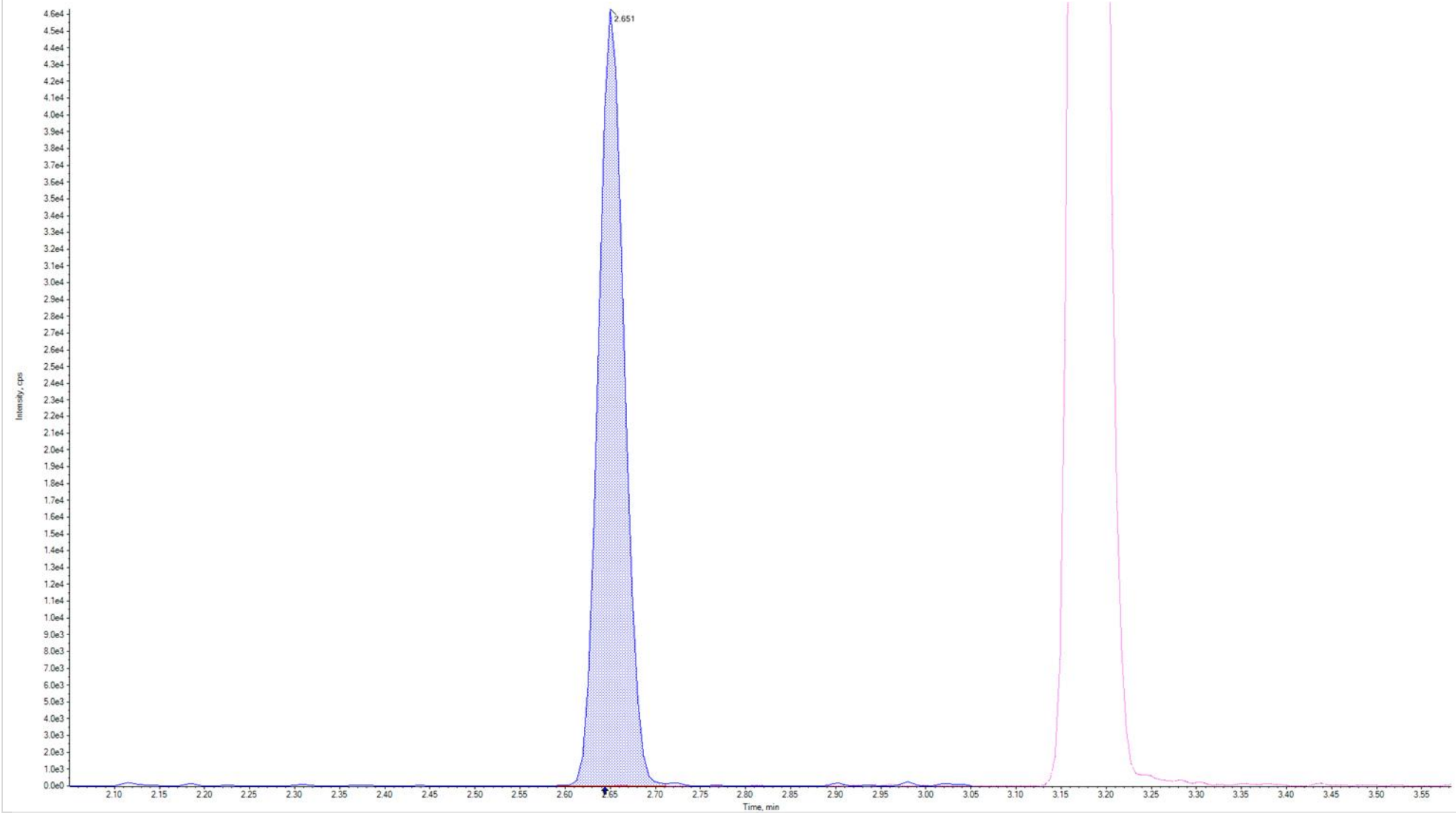
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Alpha Analytical LLC
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PFBS_2
Sample: IA1633STD-.5 S/N:378.8 Points Across peak:27



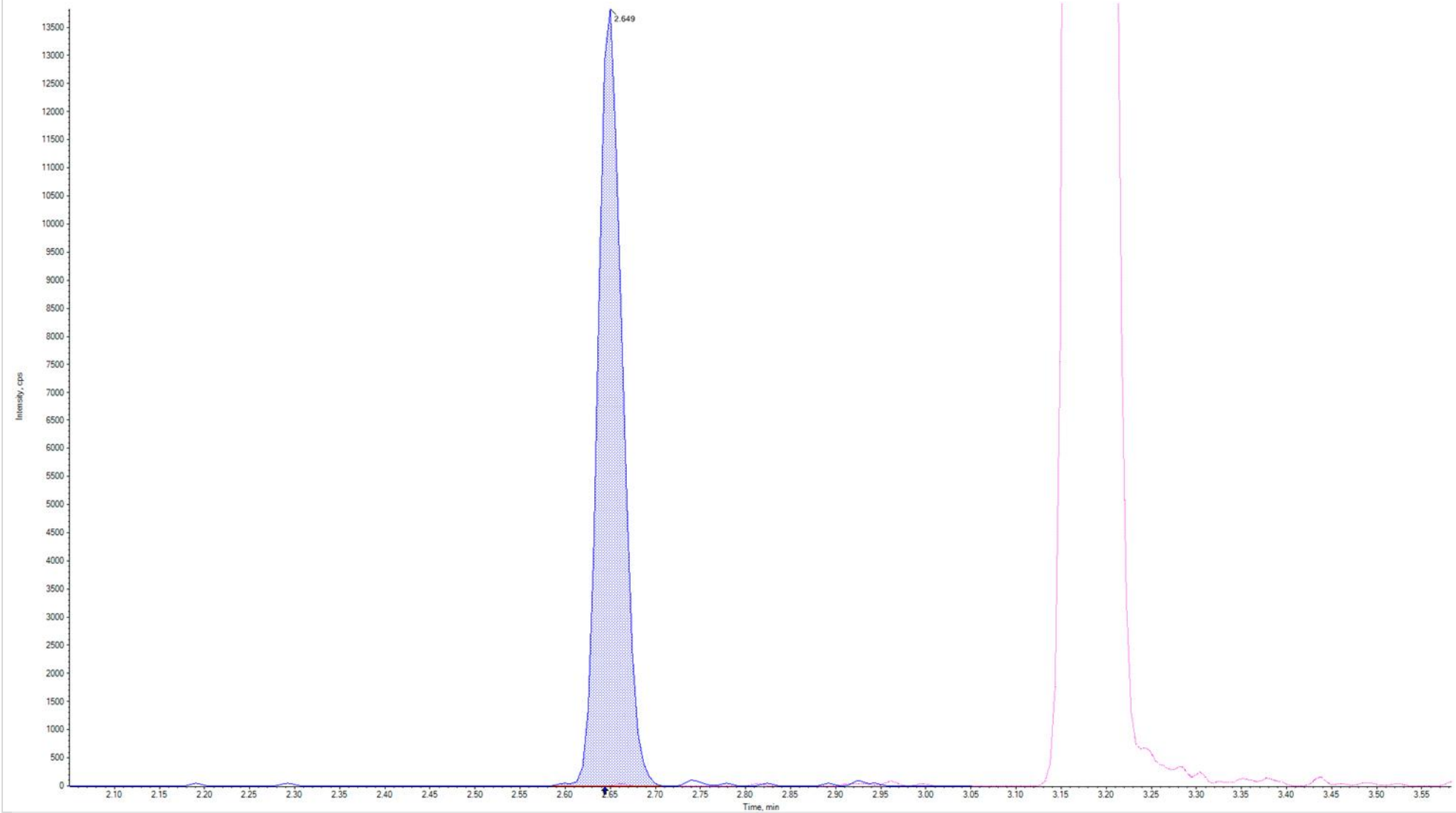
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Alpha Analytical LLC
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PFPeS
Sample: IA1633STD-.5 S/N:928.6 Points Across peak:23



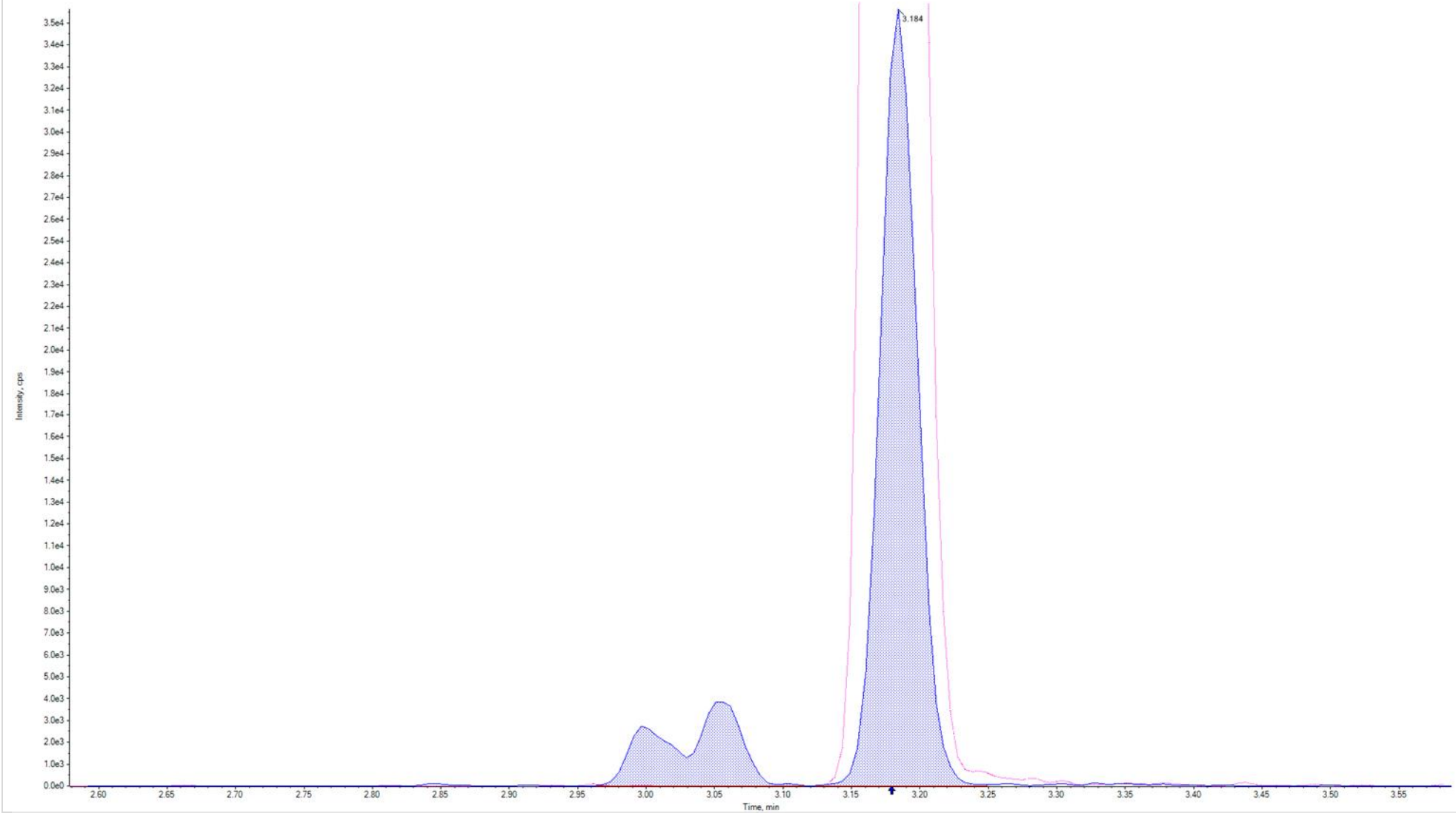
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

PFPeS_2
Sample: IA1633STD-.5 S/N:277.2 Points Across peak:28



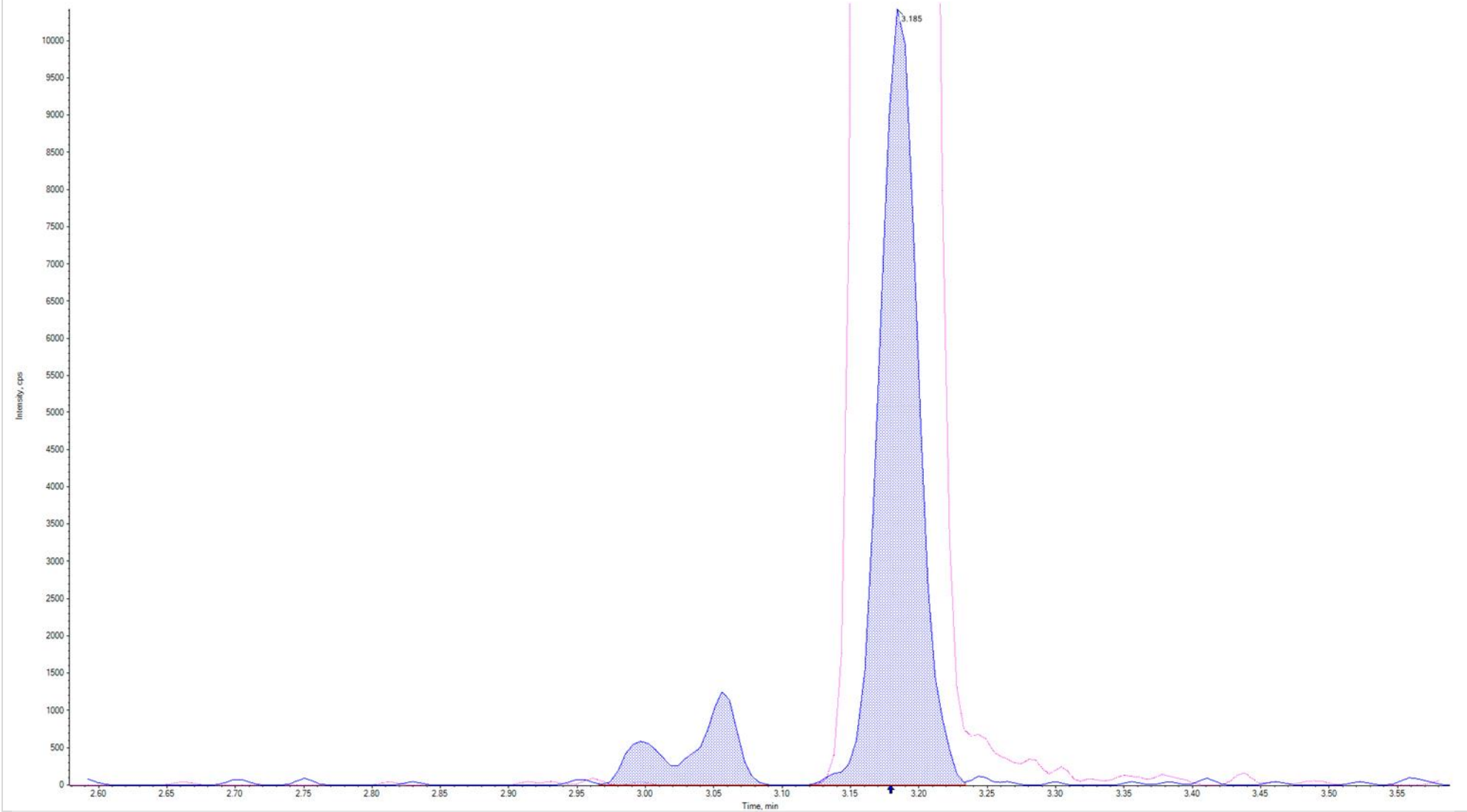
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Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

PFHxS
Sample: IA1633STD-.5 S/N:606.8 Points Across peak:55



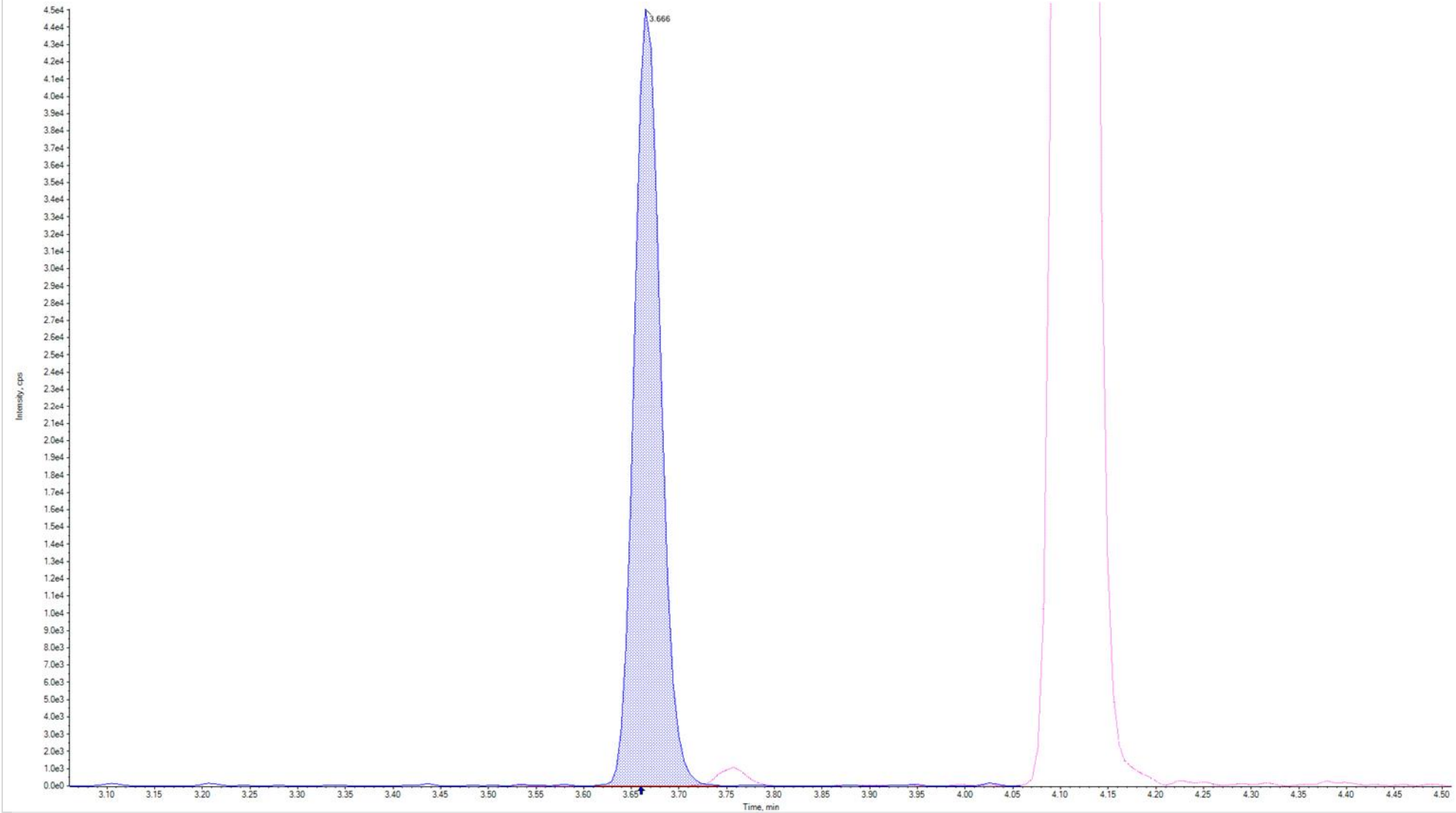
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Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

PFHxS_2
Sample: IA1633STD-.5 S/N:235.1 Points Across peak:51



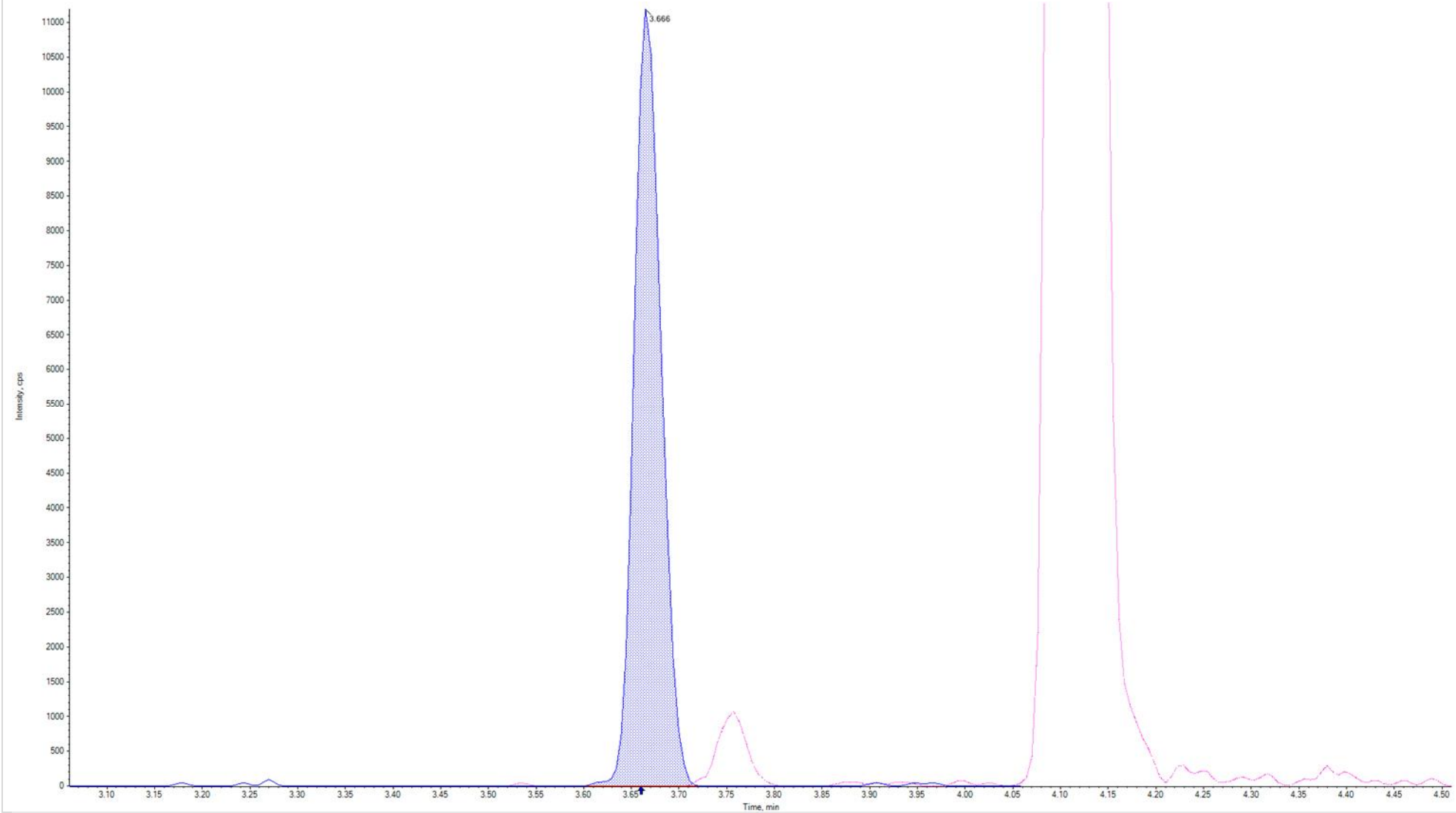
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Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

PFHpS
Sample: IA1633STD-.5 S/N:903.4 Points Across peak:28



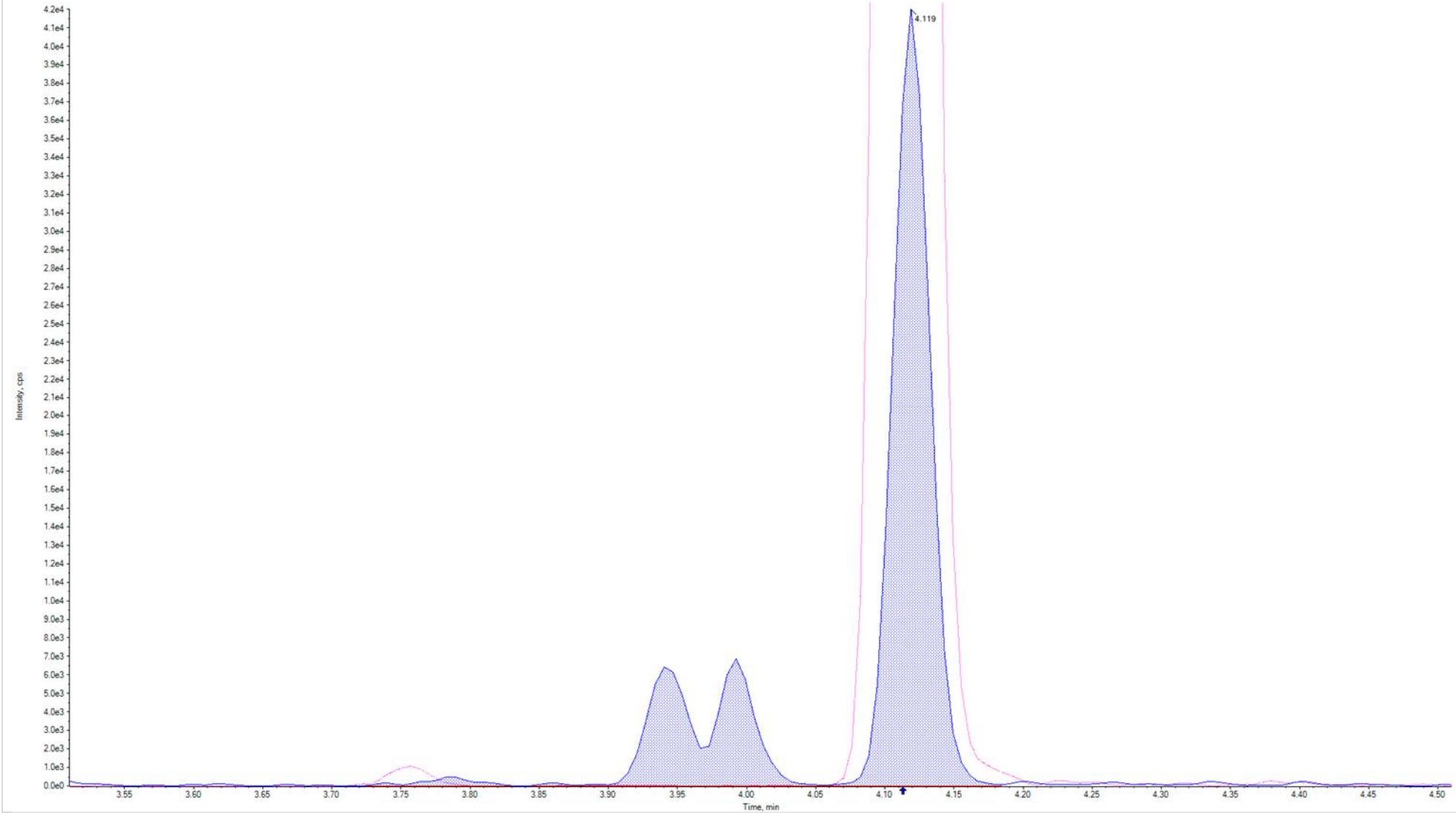
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Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

PFHpS_2
Sample: IA1633STD-.5 S/N:224.4 Points Across peak:34



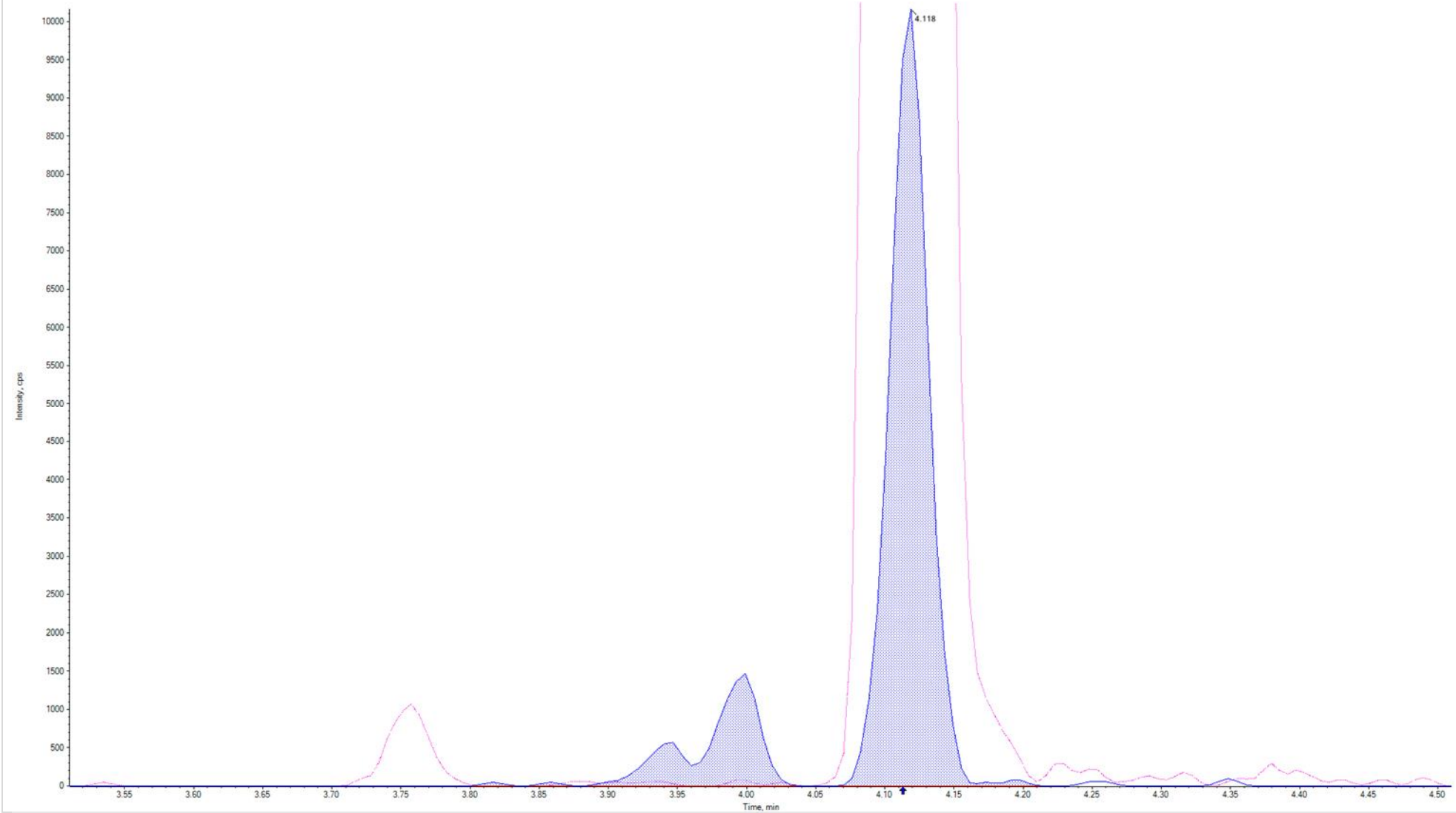
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_13.wiff2_3
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFOS
Sample: IA1633STD-.5 S/N:334.7 Points Across peak:74



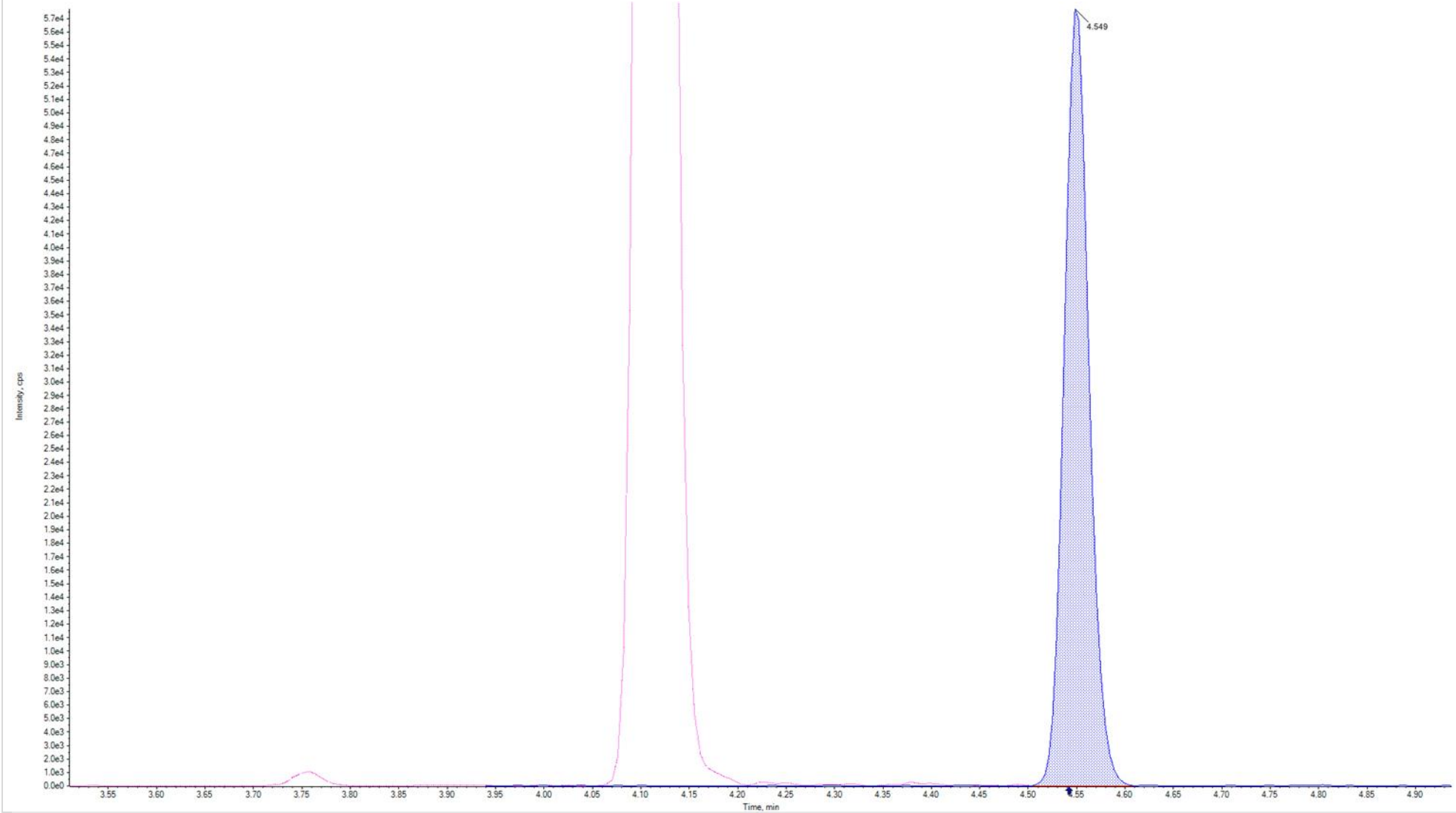
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

PFOS_2
Sample: IA1633STD-.5 S/N:203.8 Points Across peak:70



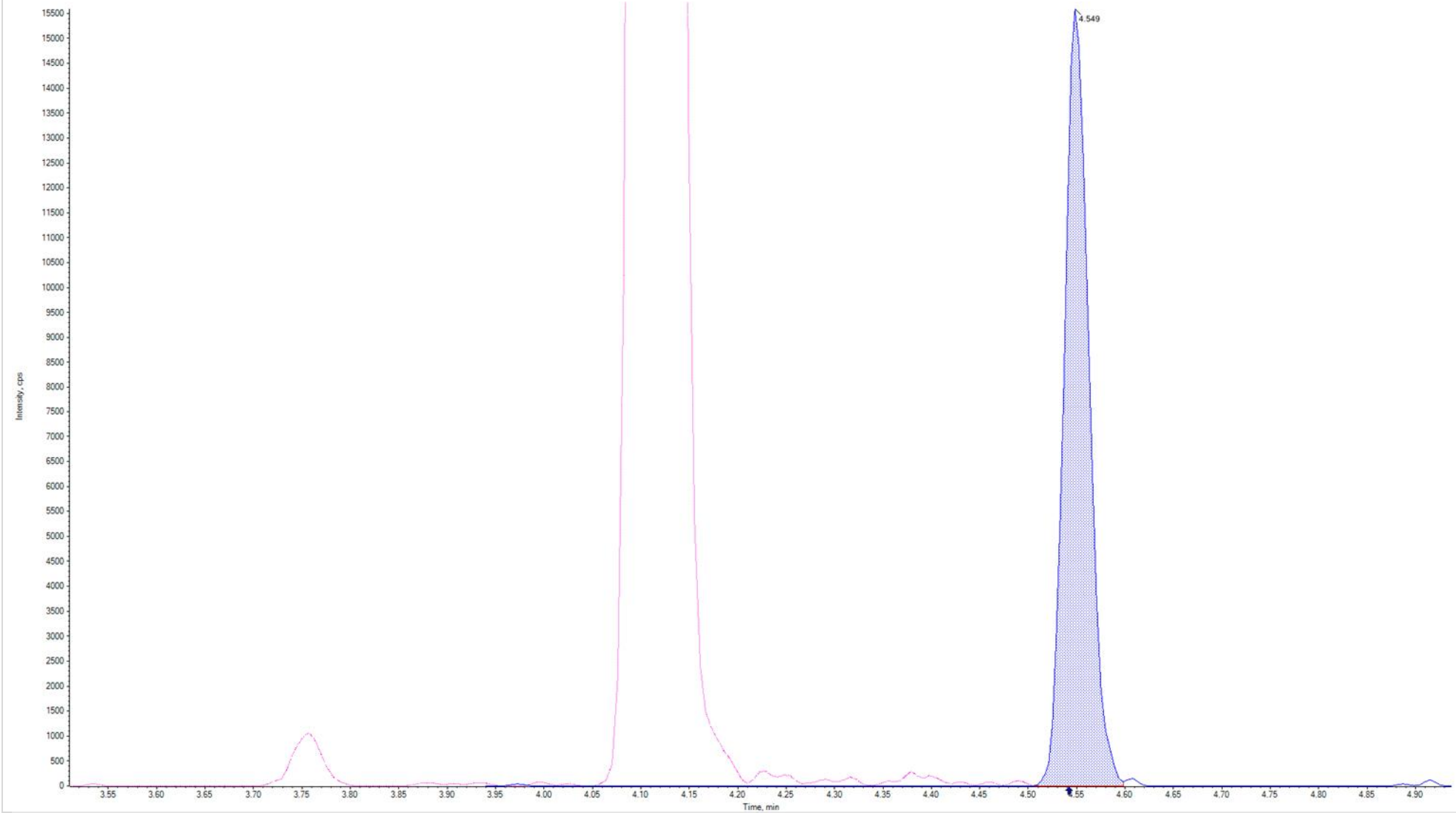
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Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_13.wiff2_3
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PFNS
Sample: IA1633STD-.5 S/N:1446.4 Points Across peak:30



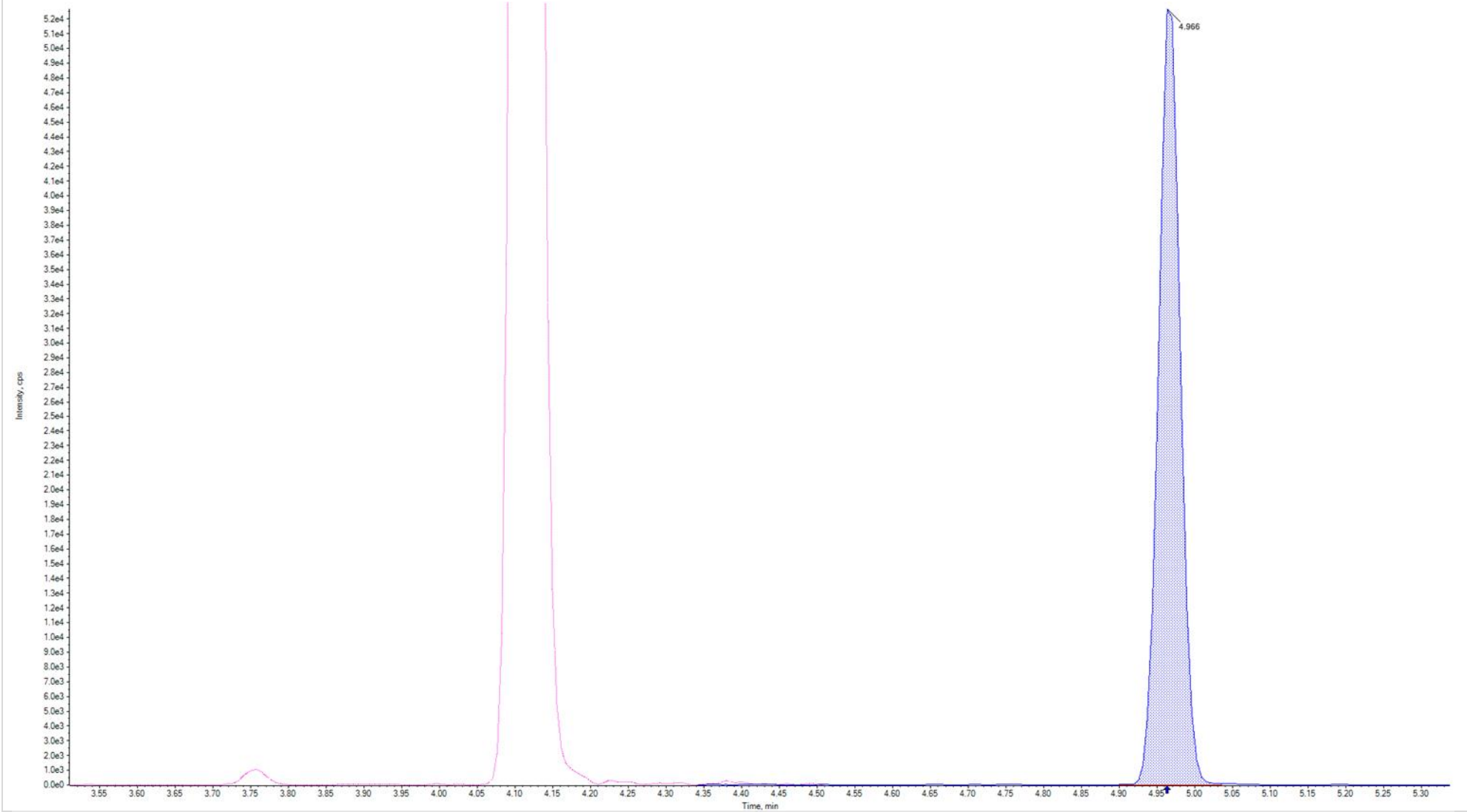
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_13.wiff2_3
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Generated: 12/16/2024 4:06:13 PM

PFNS_2
Sample: IA1633STD-.5 S/N:390.7 Points Across peak:28



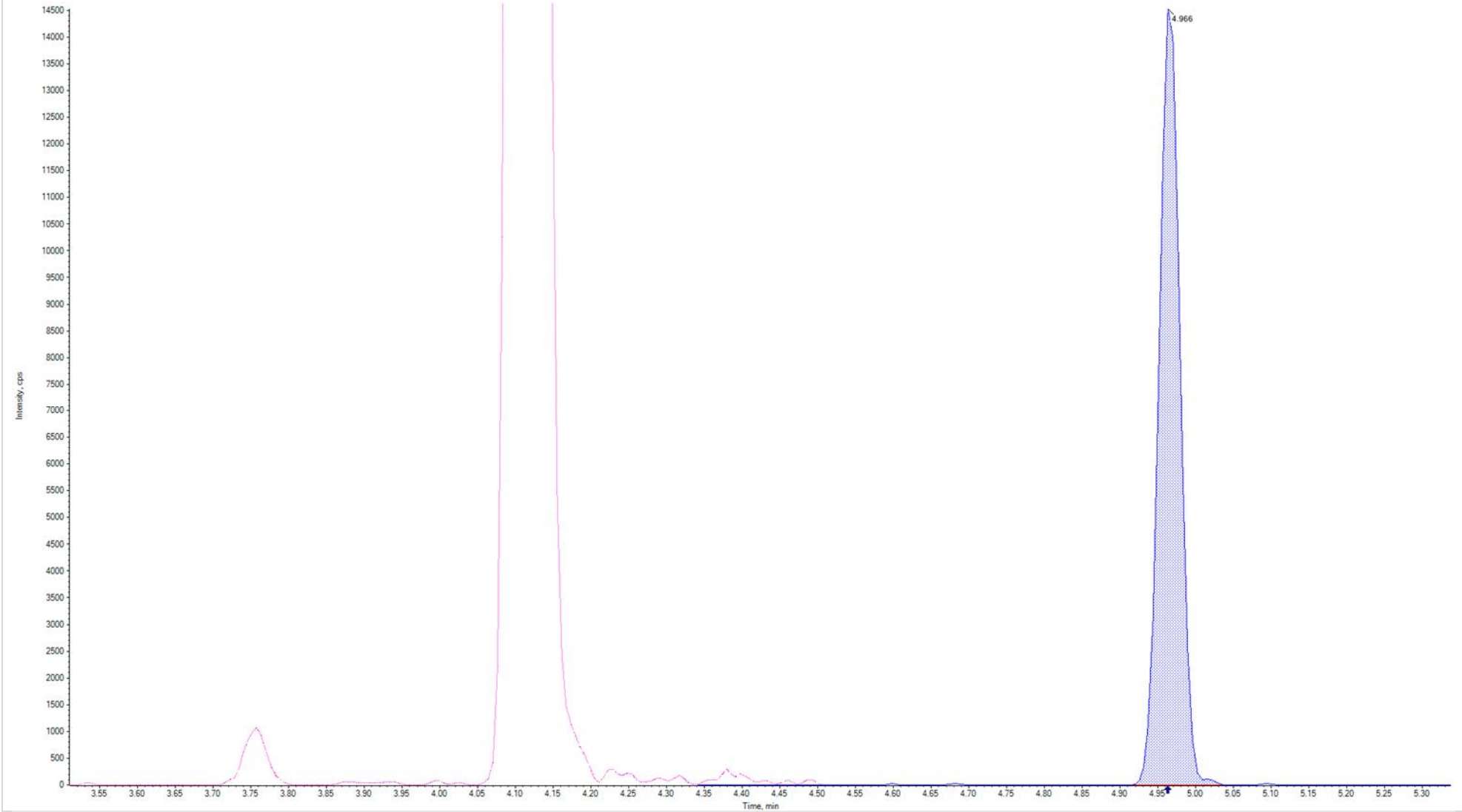
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFDS
Sample: IA1633STD-.5 S/N:1848.3 Points Across peak:25



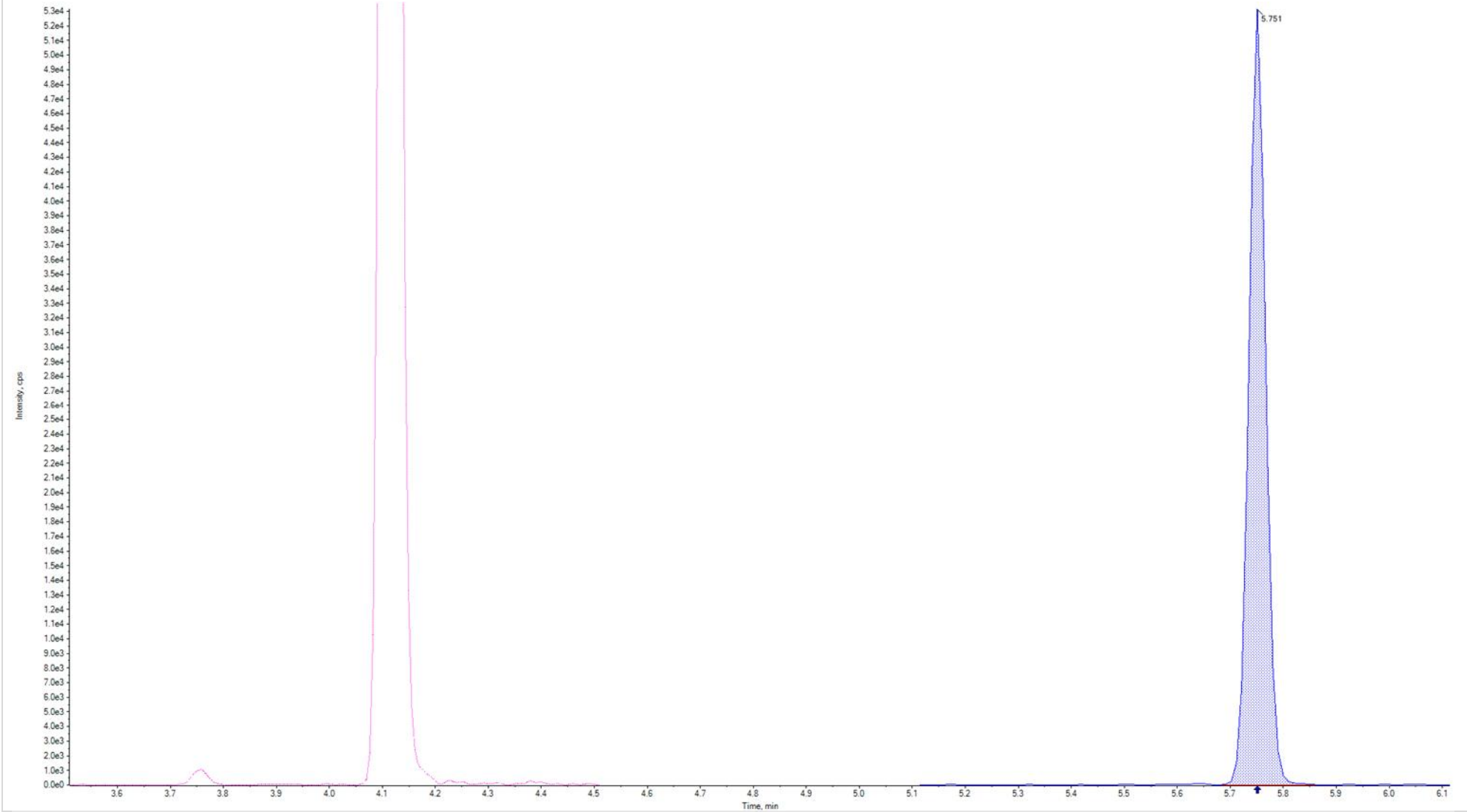
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_13.wiff2_3
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFDS_2
Sample: IA1633STD-.5 S/N:509.6 Points Across peak:27



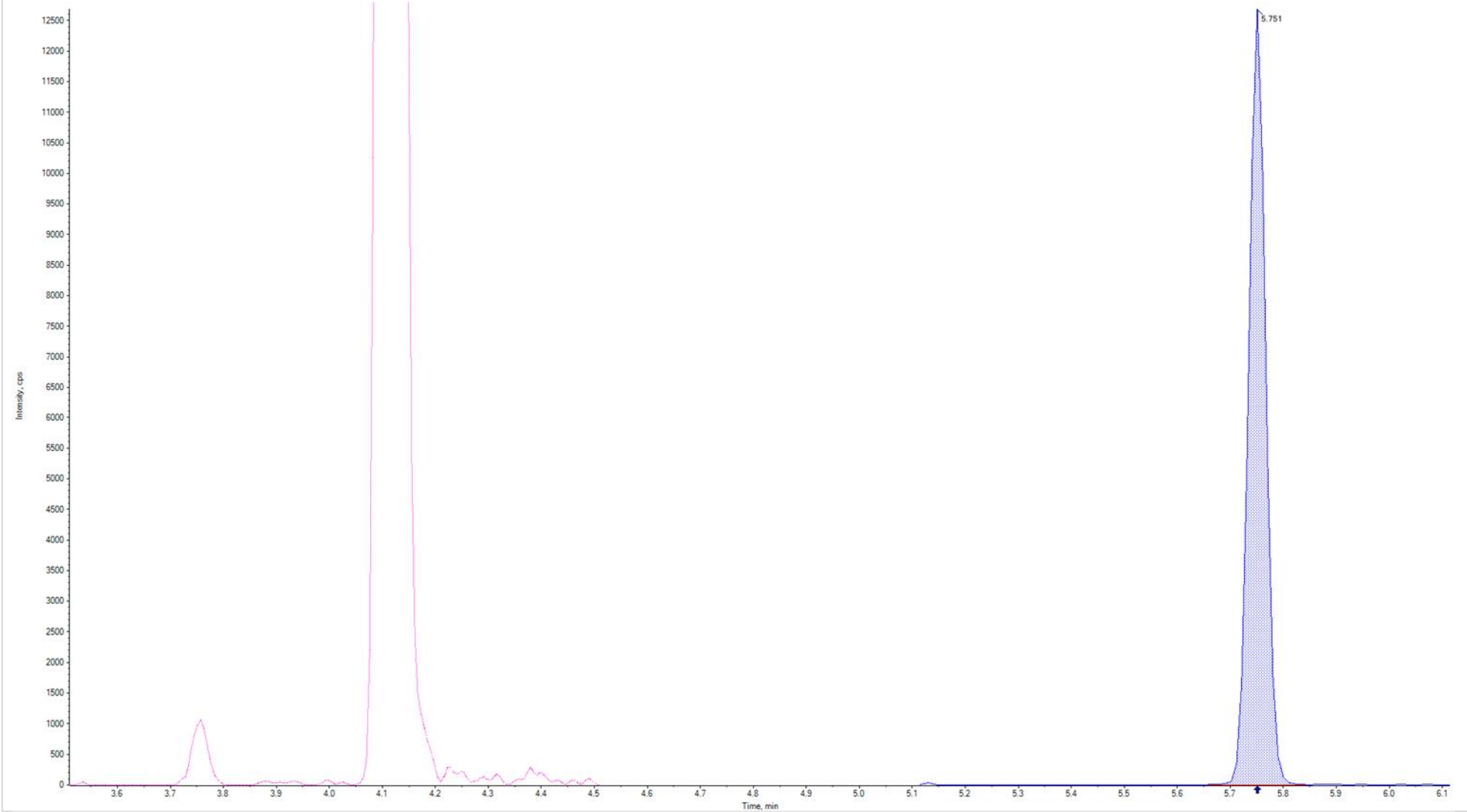
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_13.wiff2_3
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFDoS
Sample: IA1633STD-.5 S/N:4129.8 Points Across peak:21



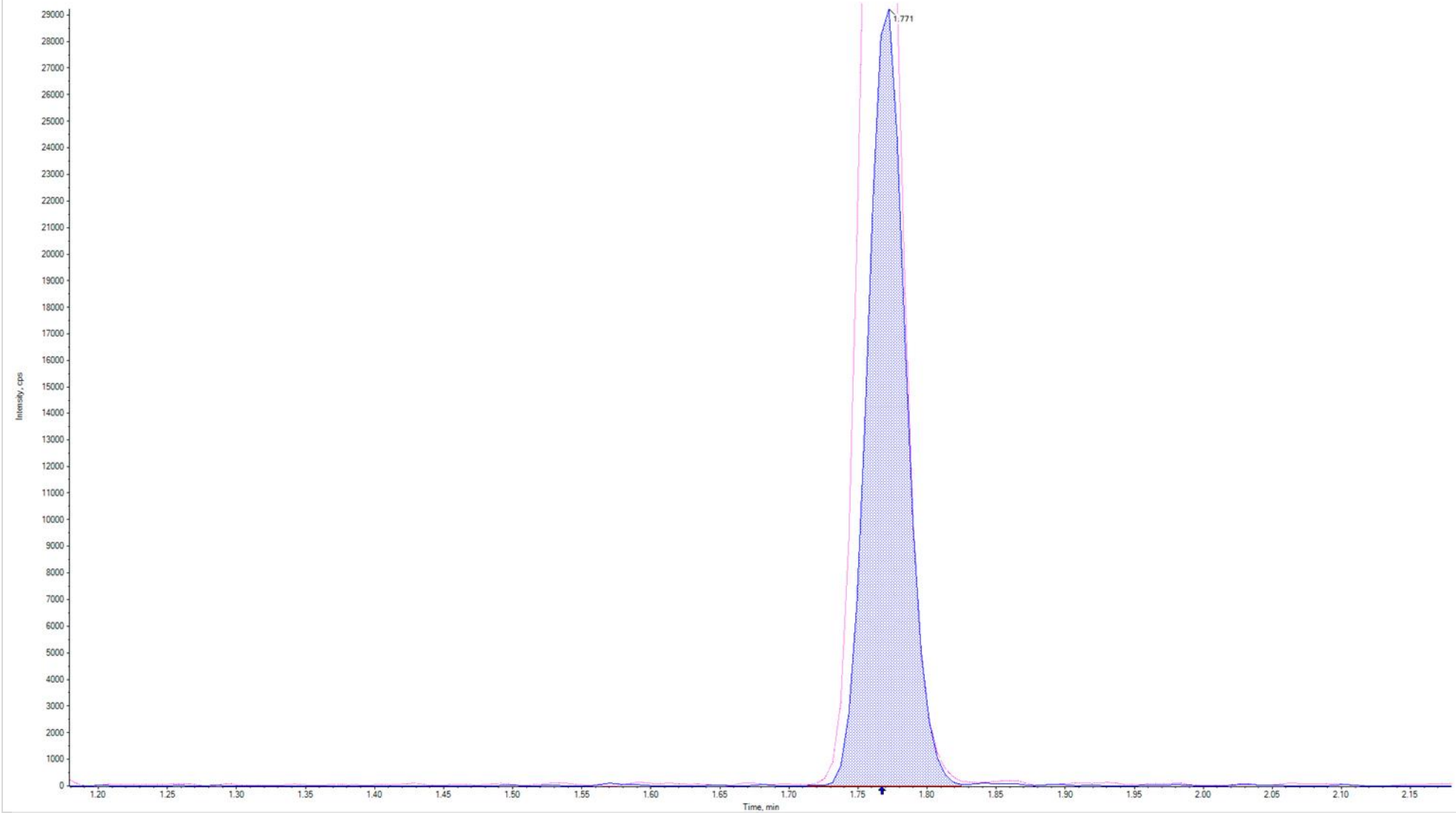
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFDoS_2
Sample: IA1633STD-.5 S/N:985.7 Points Across peak:27



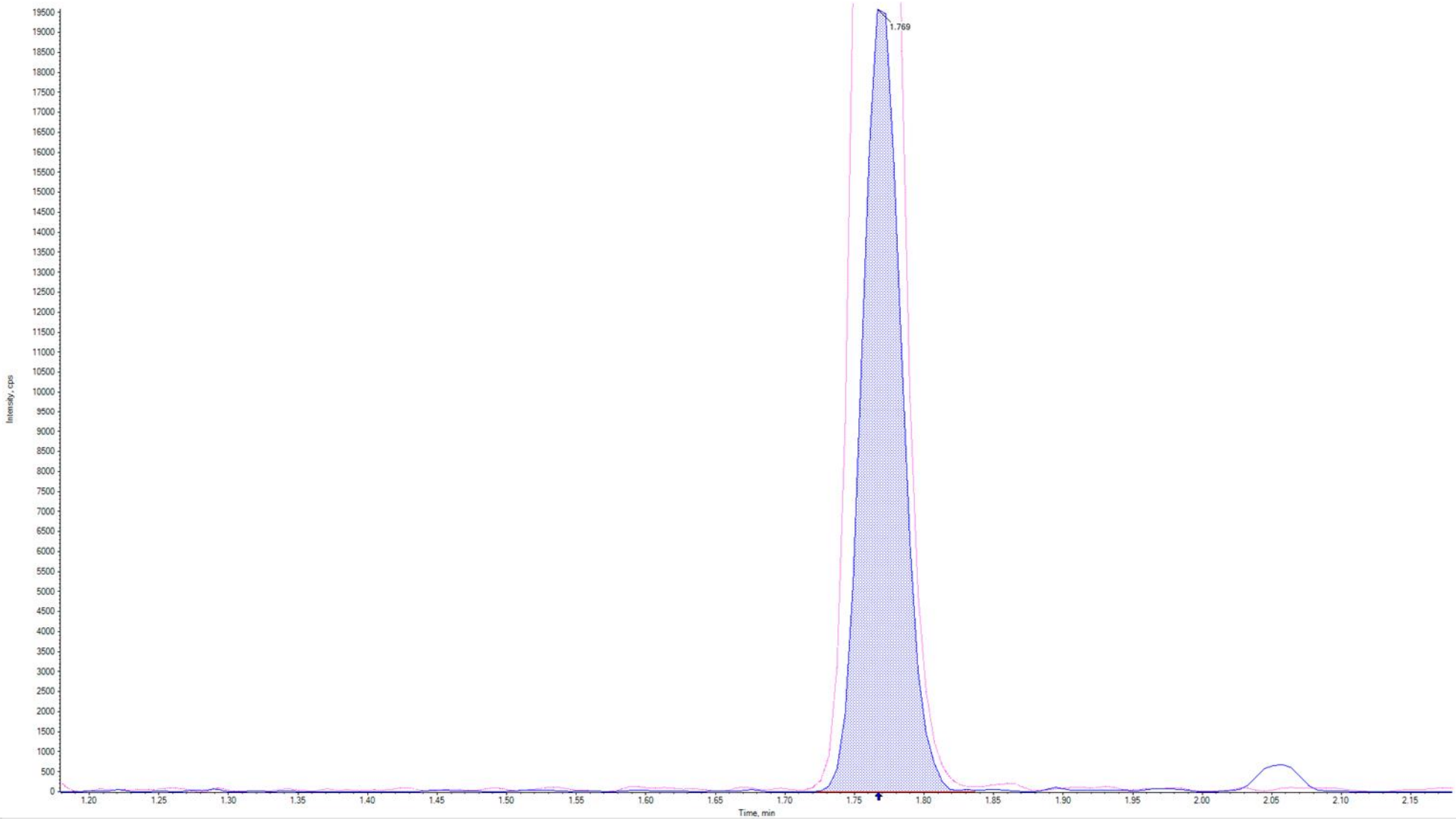
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

4:2FTS
Sample: IA1633STD-.5 S/N:1098.5 Points Across peak:22



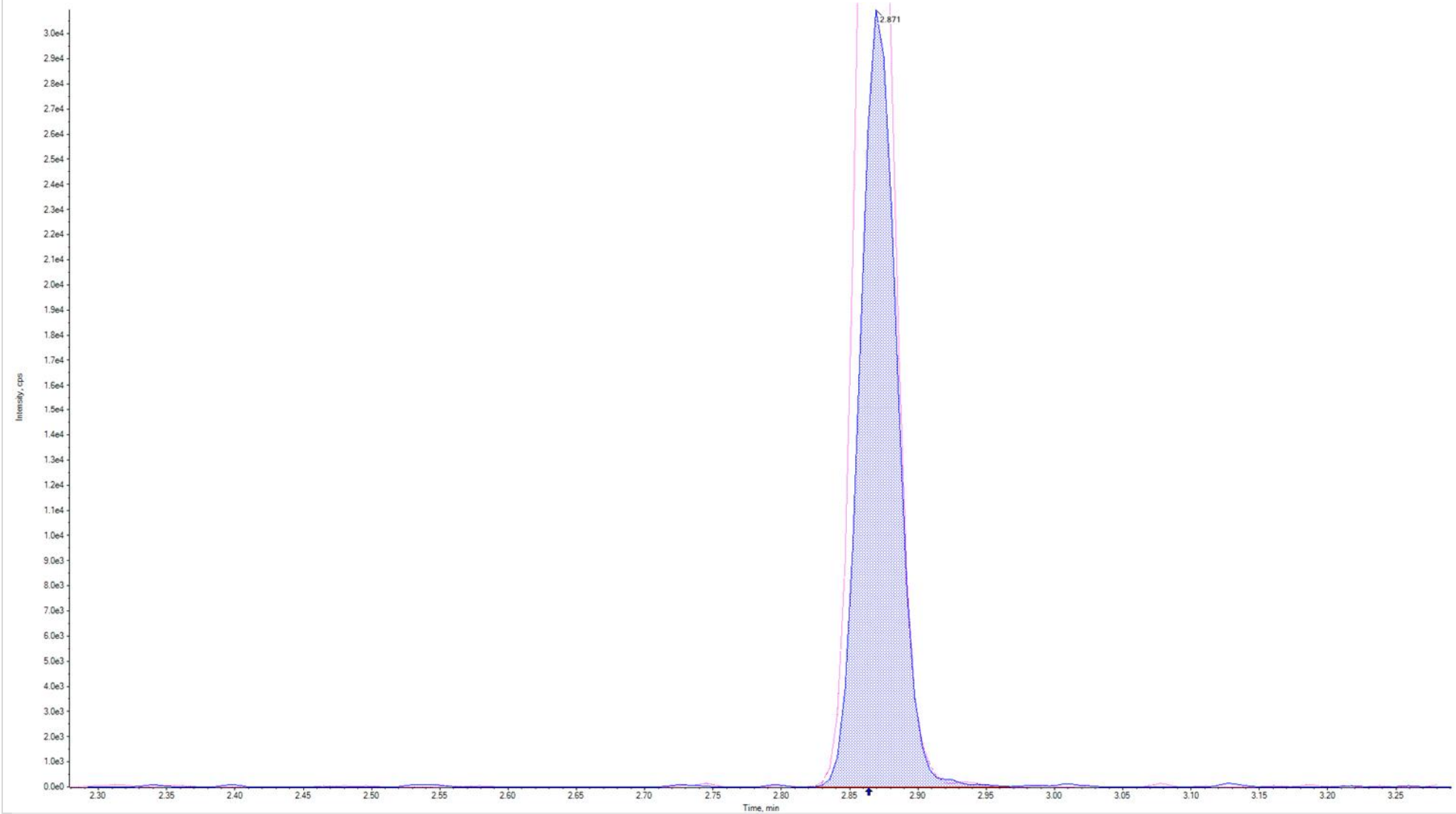
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

4:2FTS_2
Sample: IA1633STD-.5 S/N:736.2 Points Across peak:22



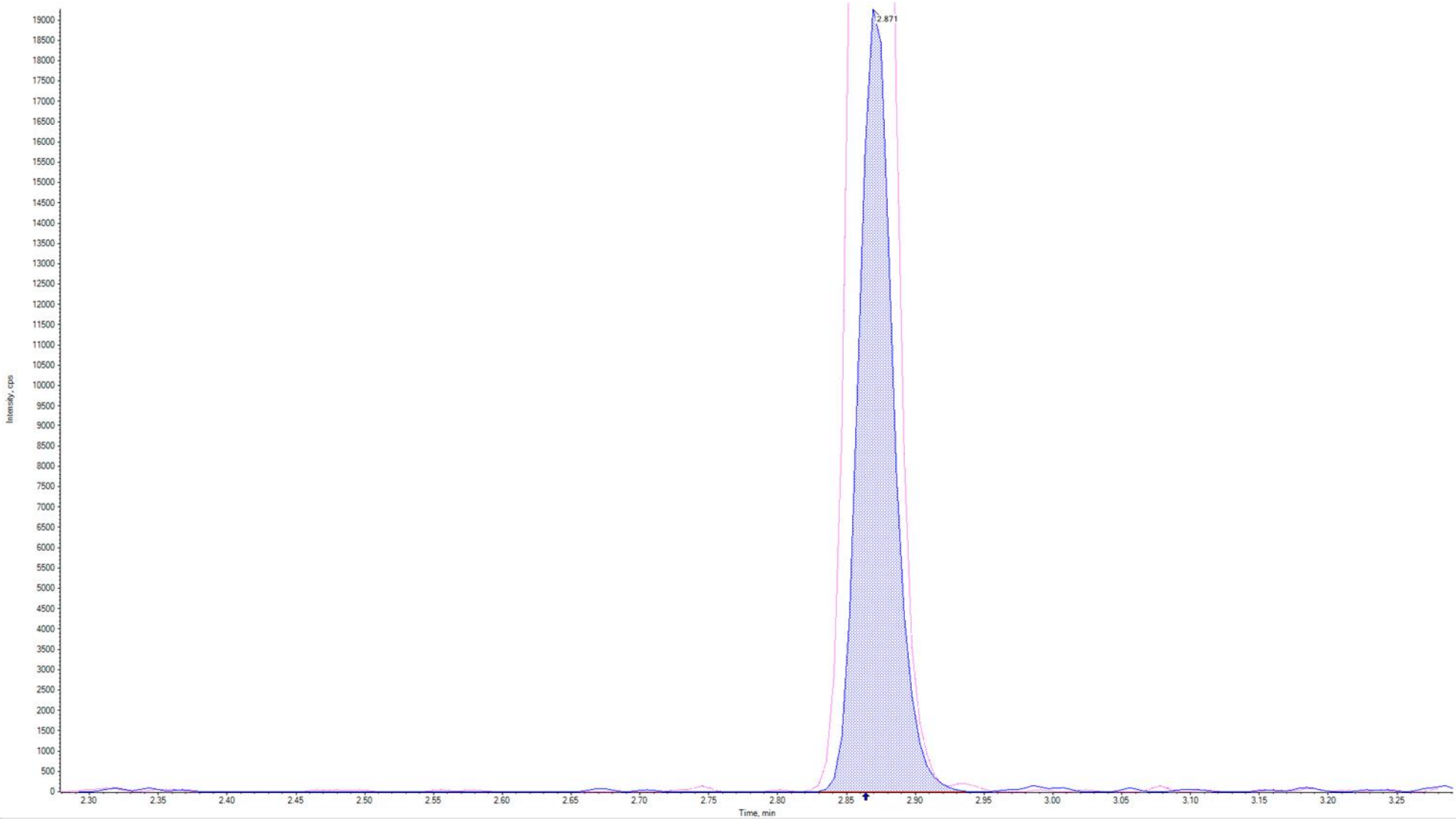
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

6:2FTS
Sample: IA1633STD-.5 S/N:620.6 Points Across peak:27



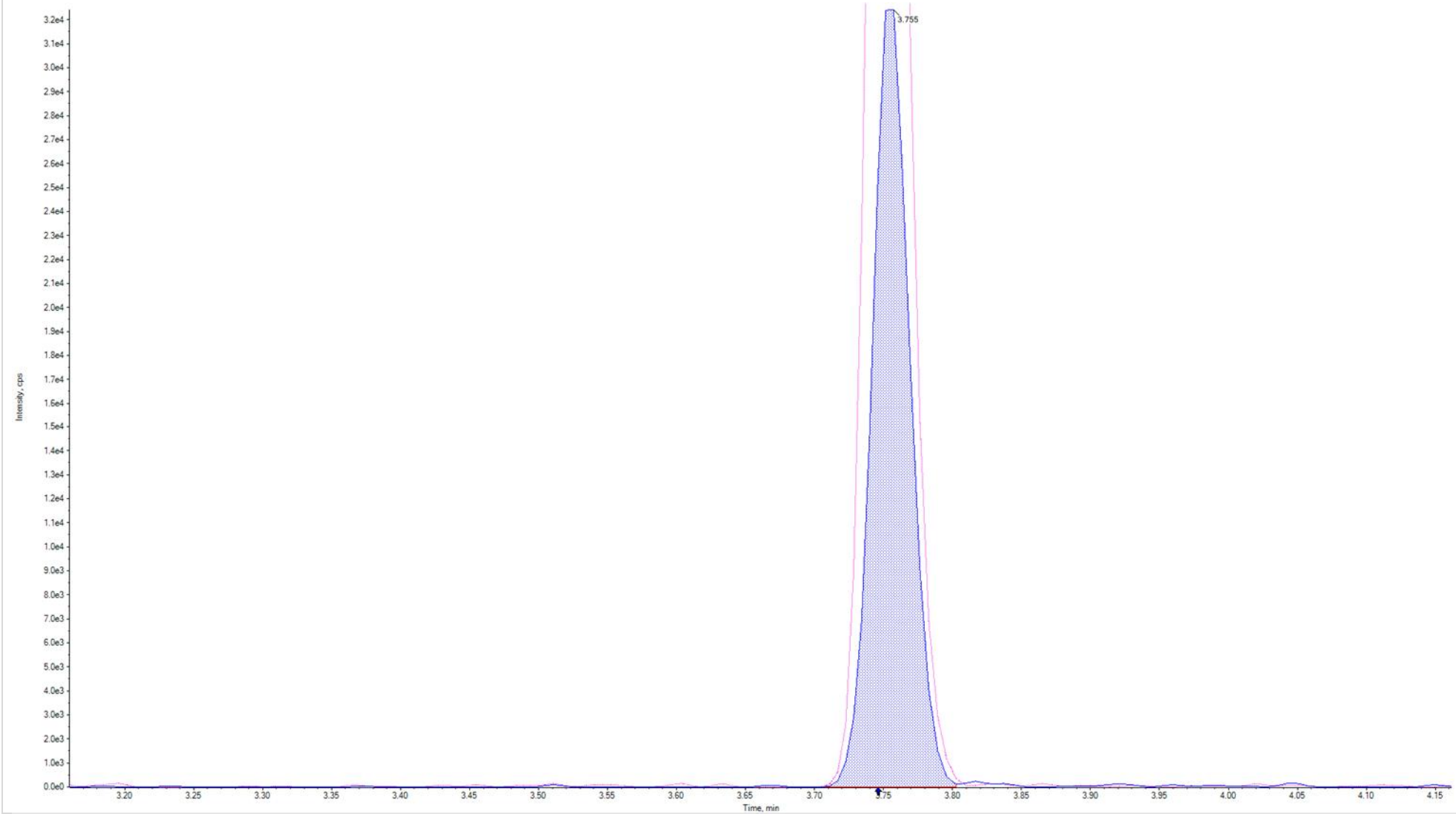
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_13.wiff2_3
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

6:2FTS_2
Sample: IA1633STD-.5 S/N:386.4 Points Across peak:24



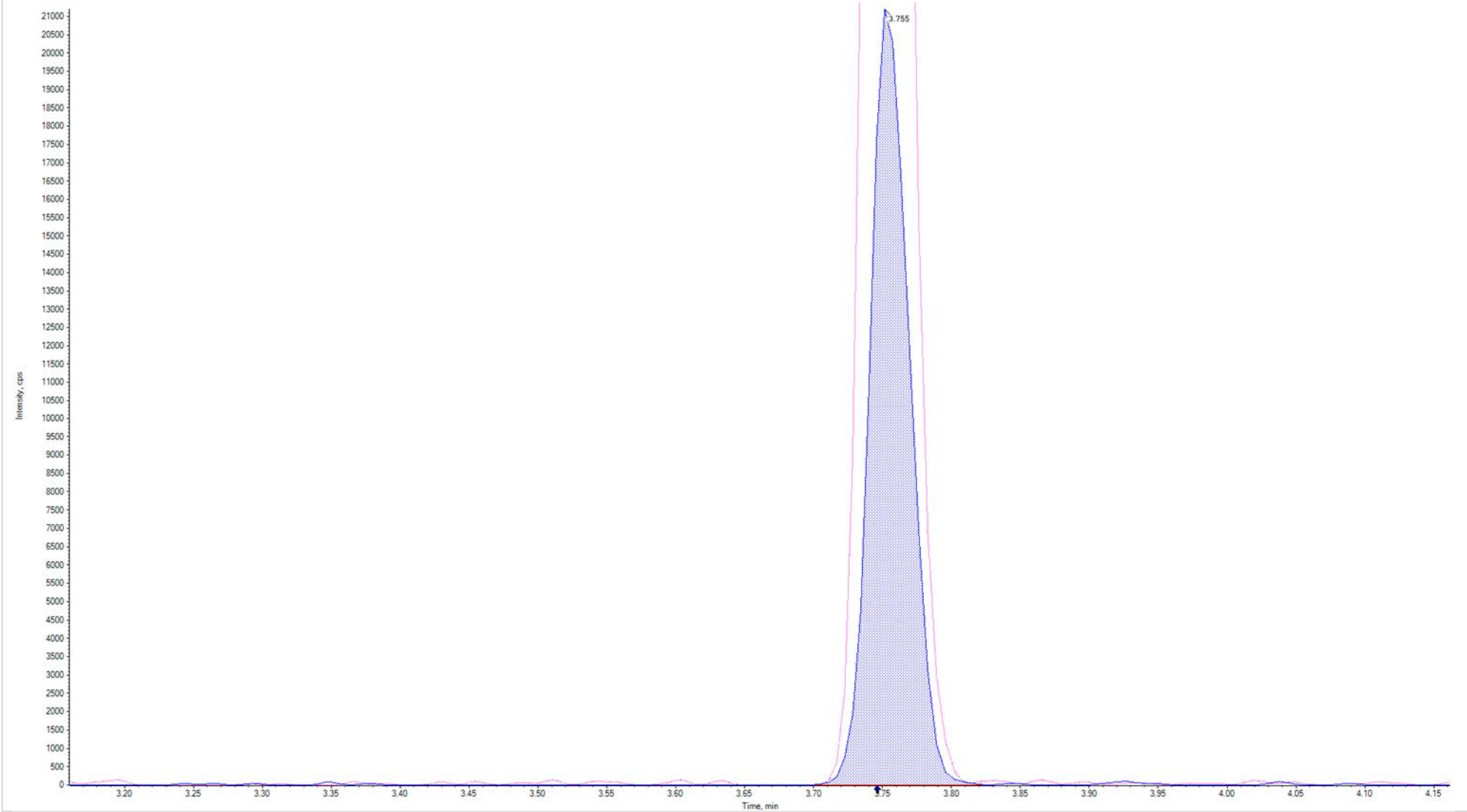
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_13.wiff2_3
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

8:2FTS
Sample: IA1633STD-.5 S/N:650.0 Points Across peak:19



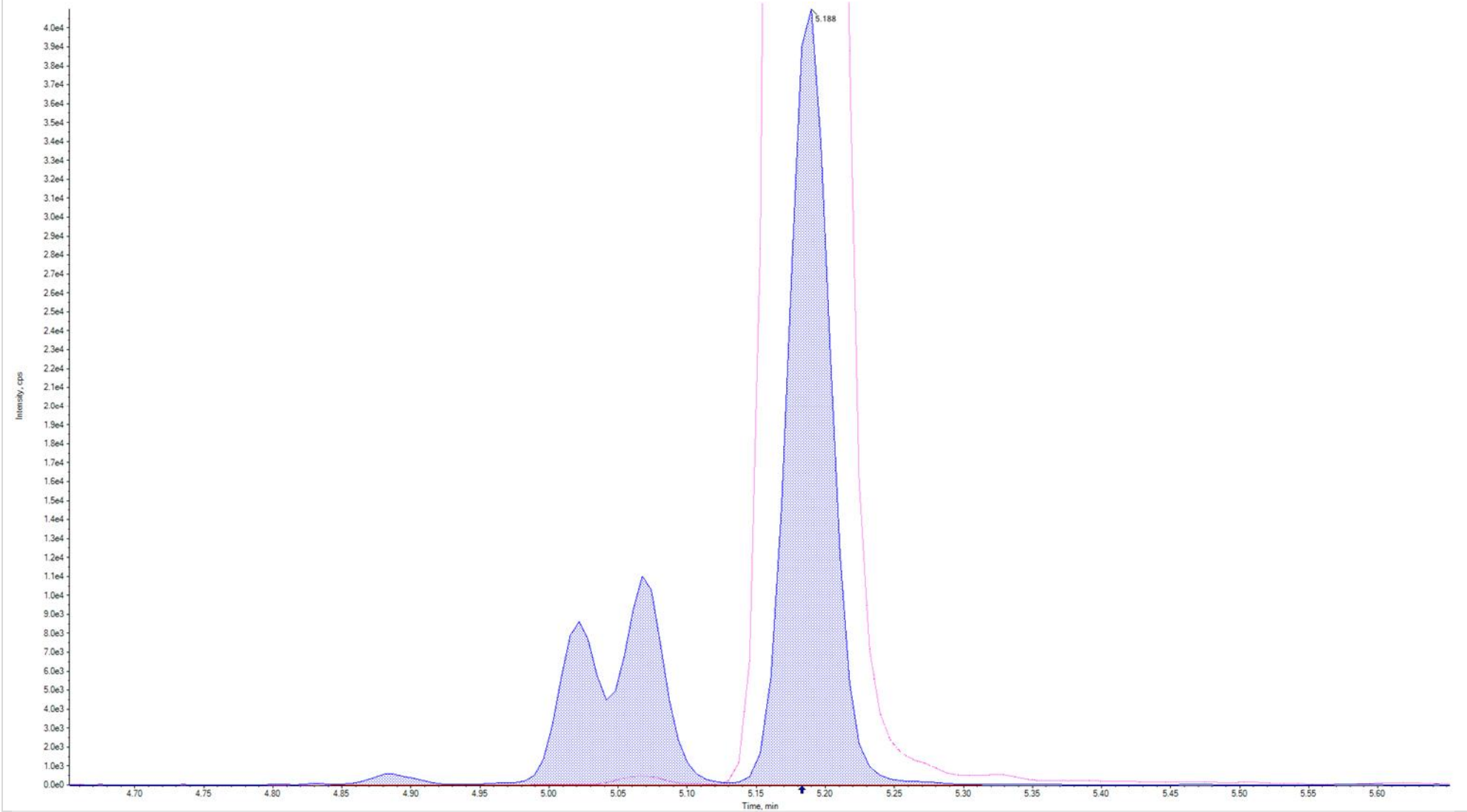
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

8:2FTS_2
Sample: IA1633STD-.5 S/N:425.1 Points Across peak:26



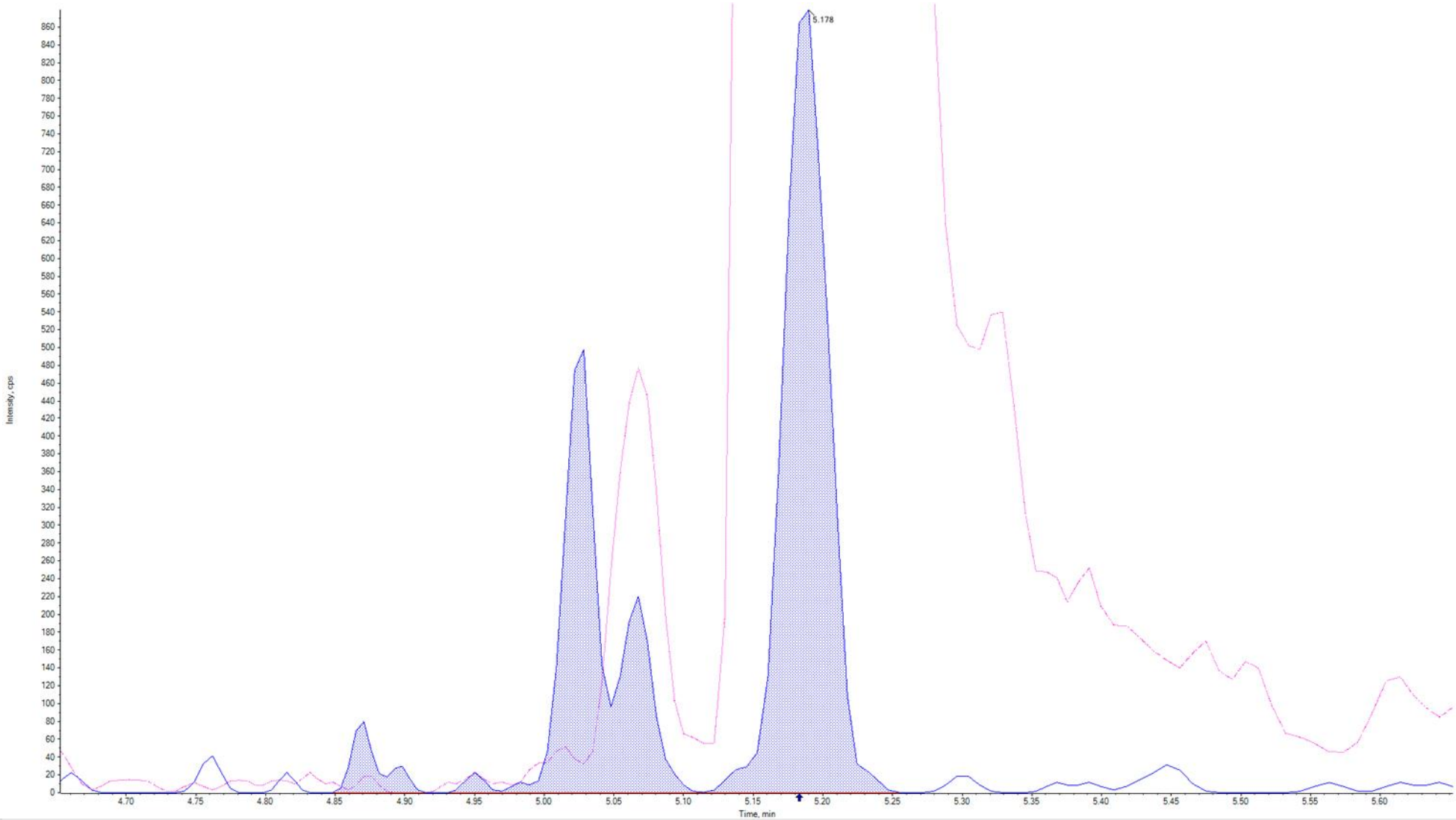
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFOSA
Sample: IA1633STD-.5 S/N:241.7 Points Across peak:73



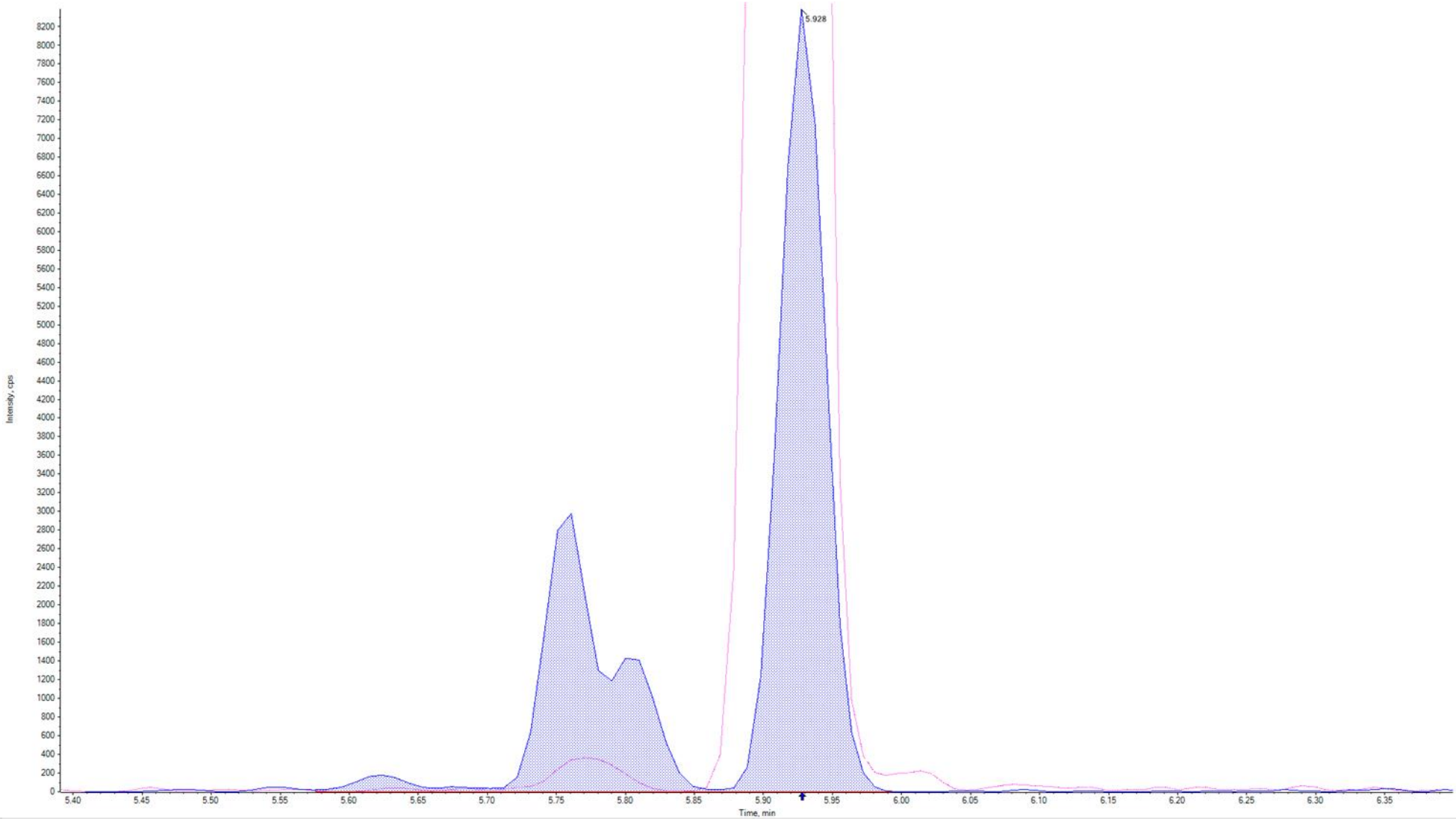
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFOSA_2
Sample: IA1633STD-.5 S/N:73.8 Points Across peak:67



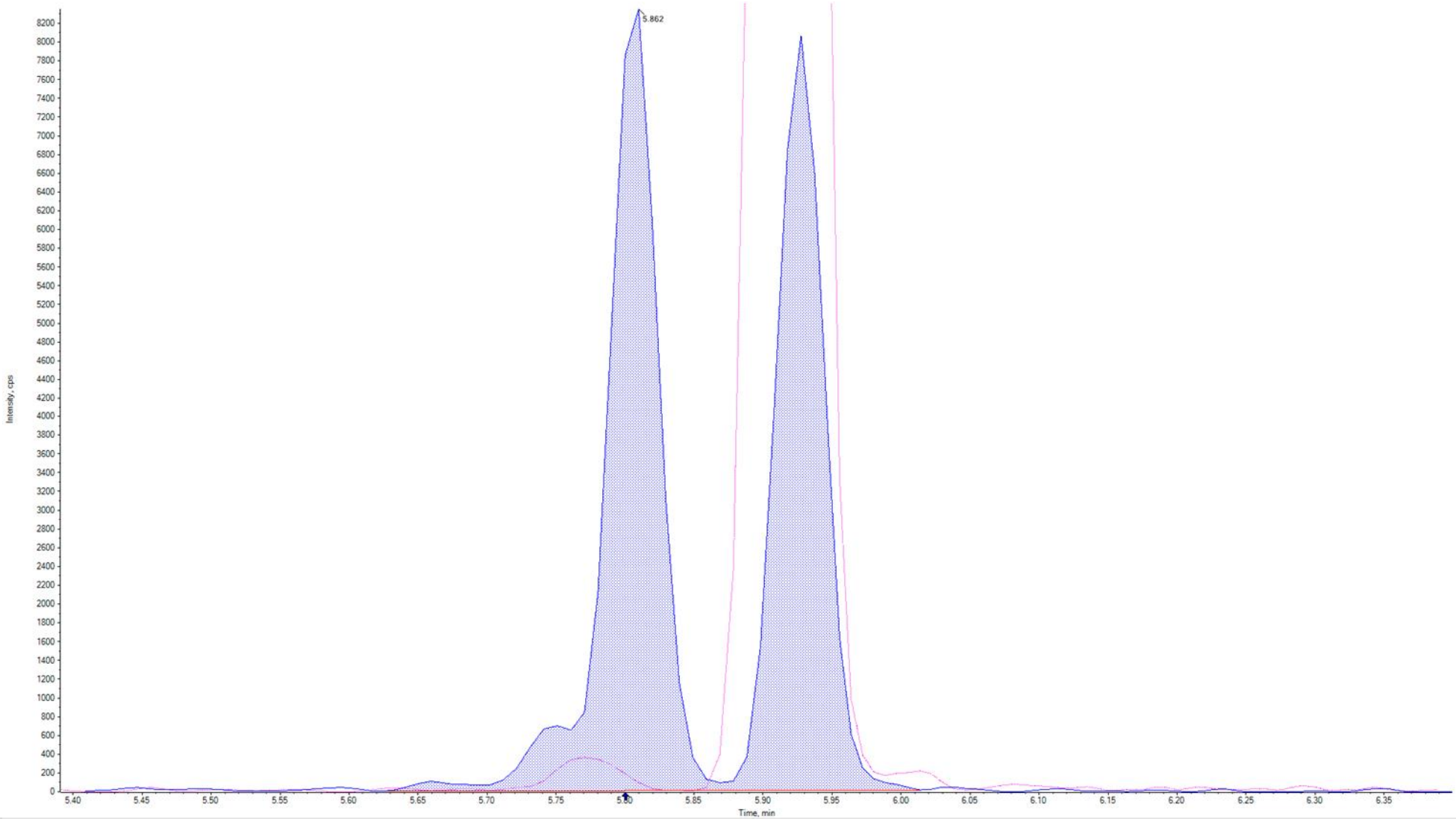
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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NMeFOSA
Sample: IA1633STD-.5 S/N:250.3 Points Across peak:46



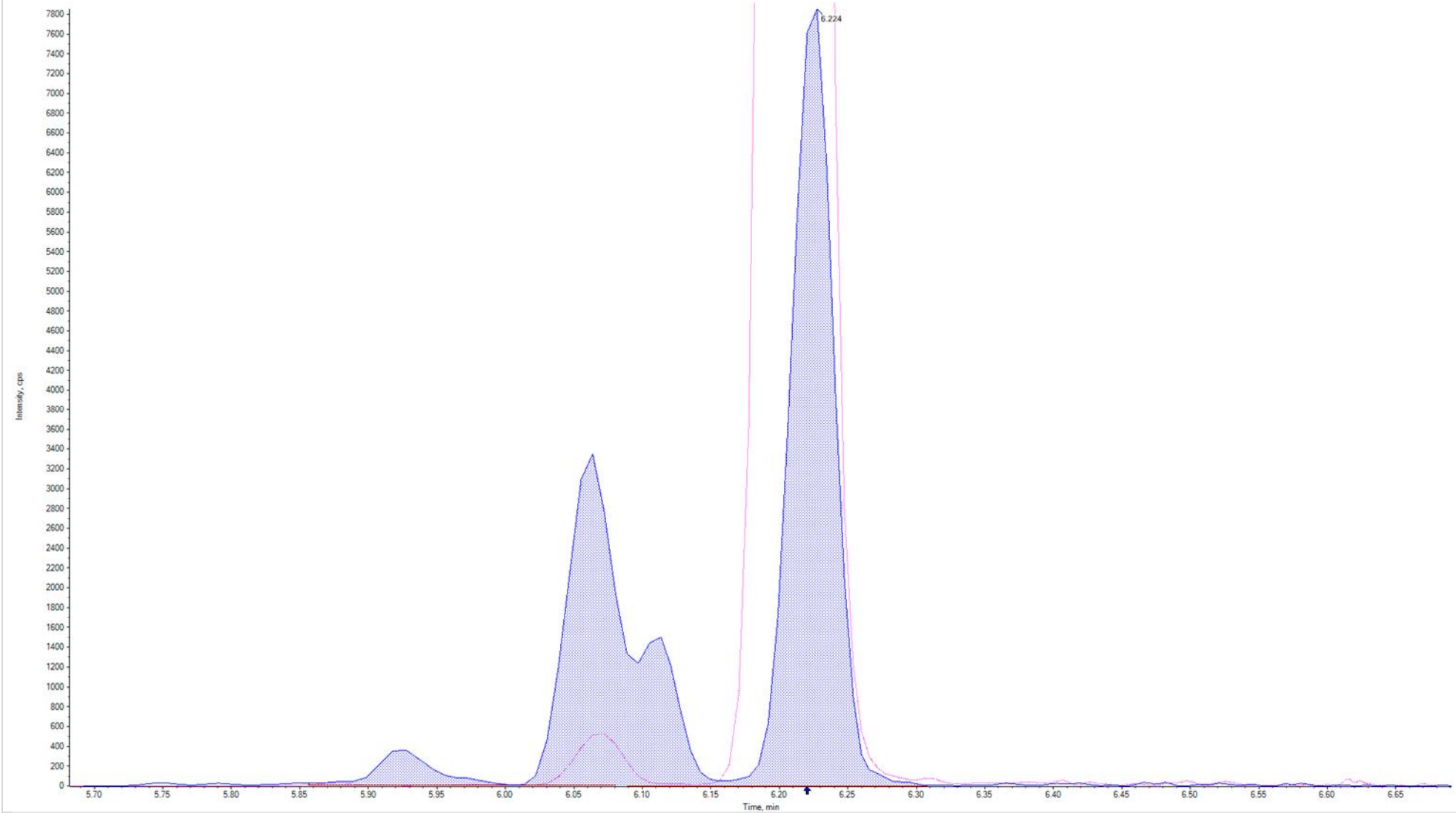
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NMeFOSA_2
Sample: IA1633STD-.5 S/N:167.7 Points Across peak:43



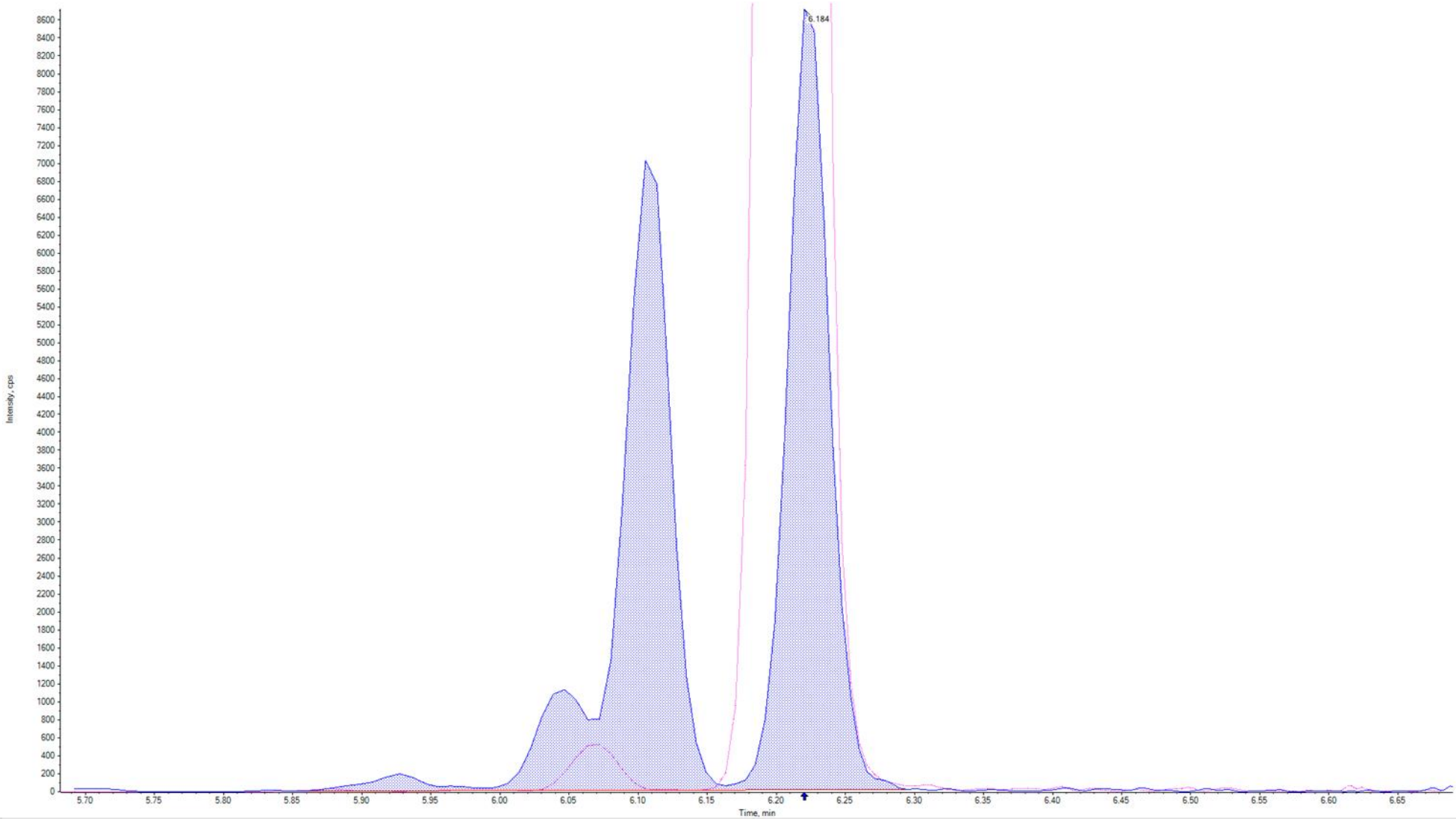
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Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

NEtFOSA
Sample: IA1633STD-.5 S/N:454.5 Points Across peak:61



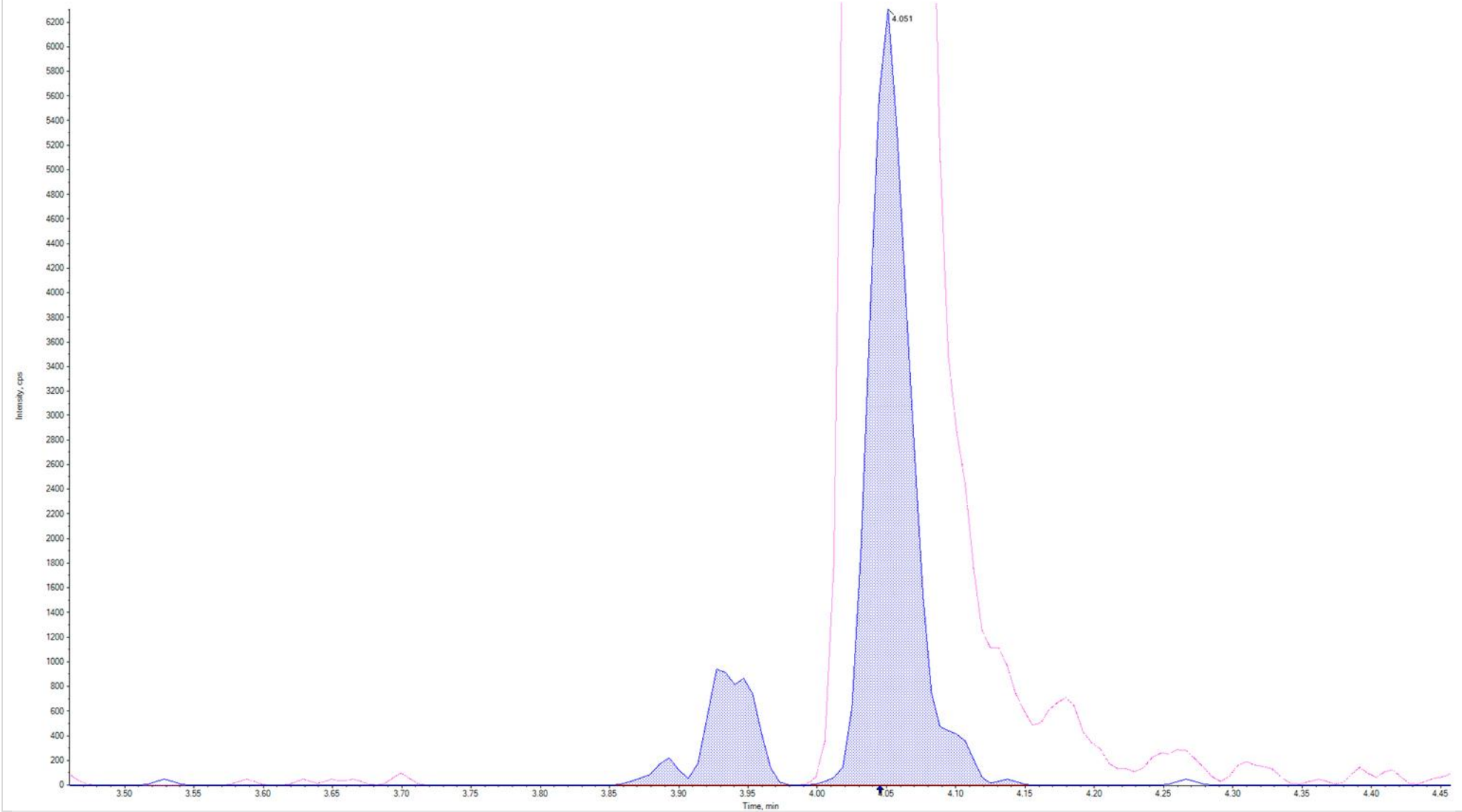
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NEtFOSA_2
Sample: IA1633STD-.5 S/N:355.6 Points Across peak:58



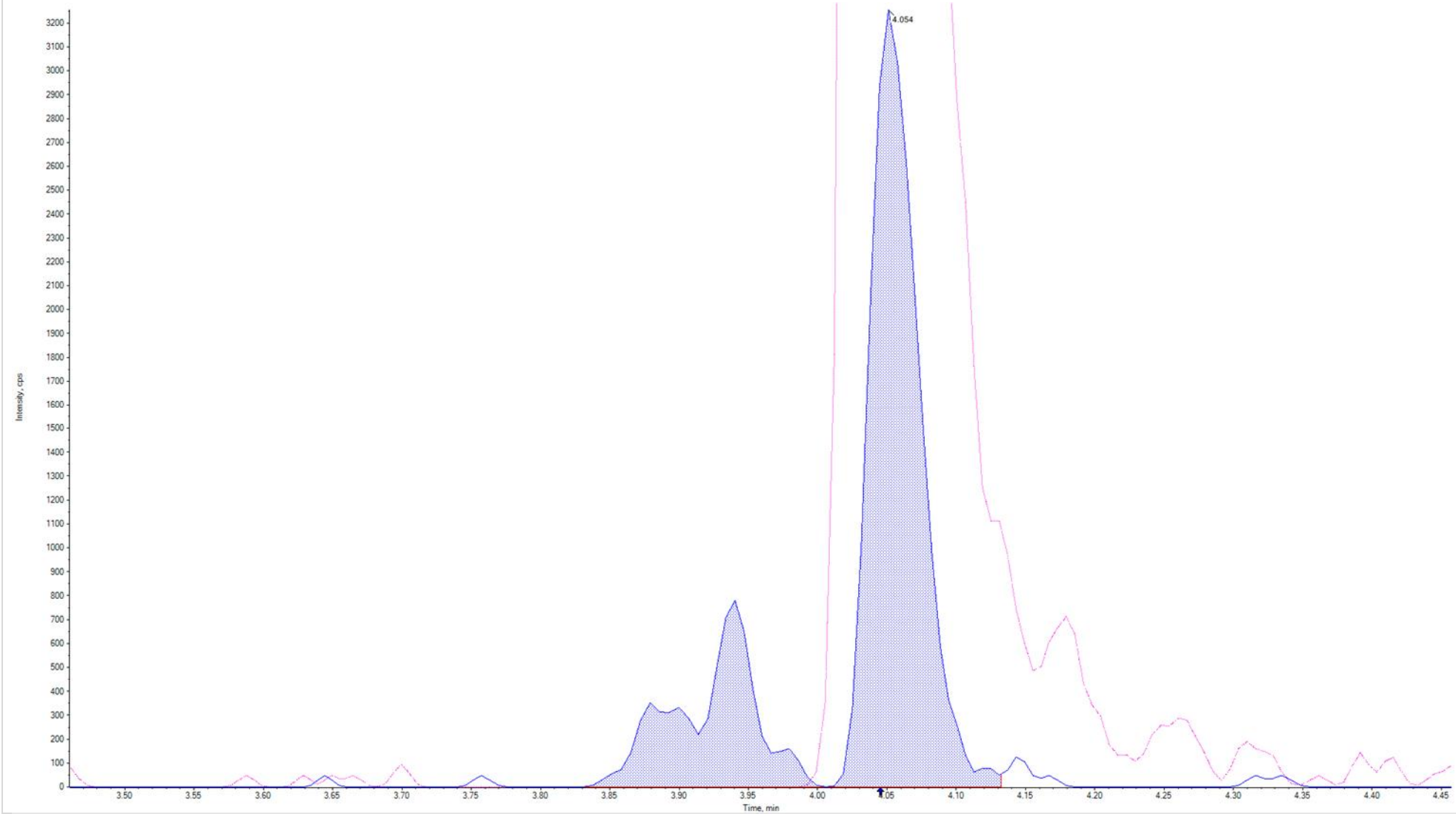
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NMeFOSAA
Sample: IA1633STD-.5 S/N:126.4 Points Across peak:52



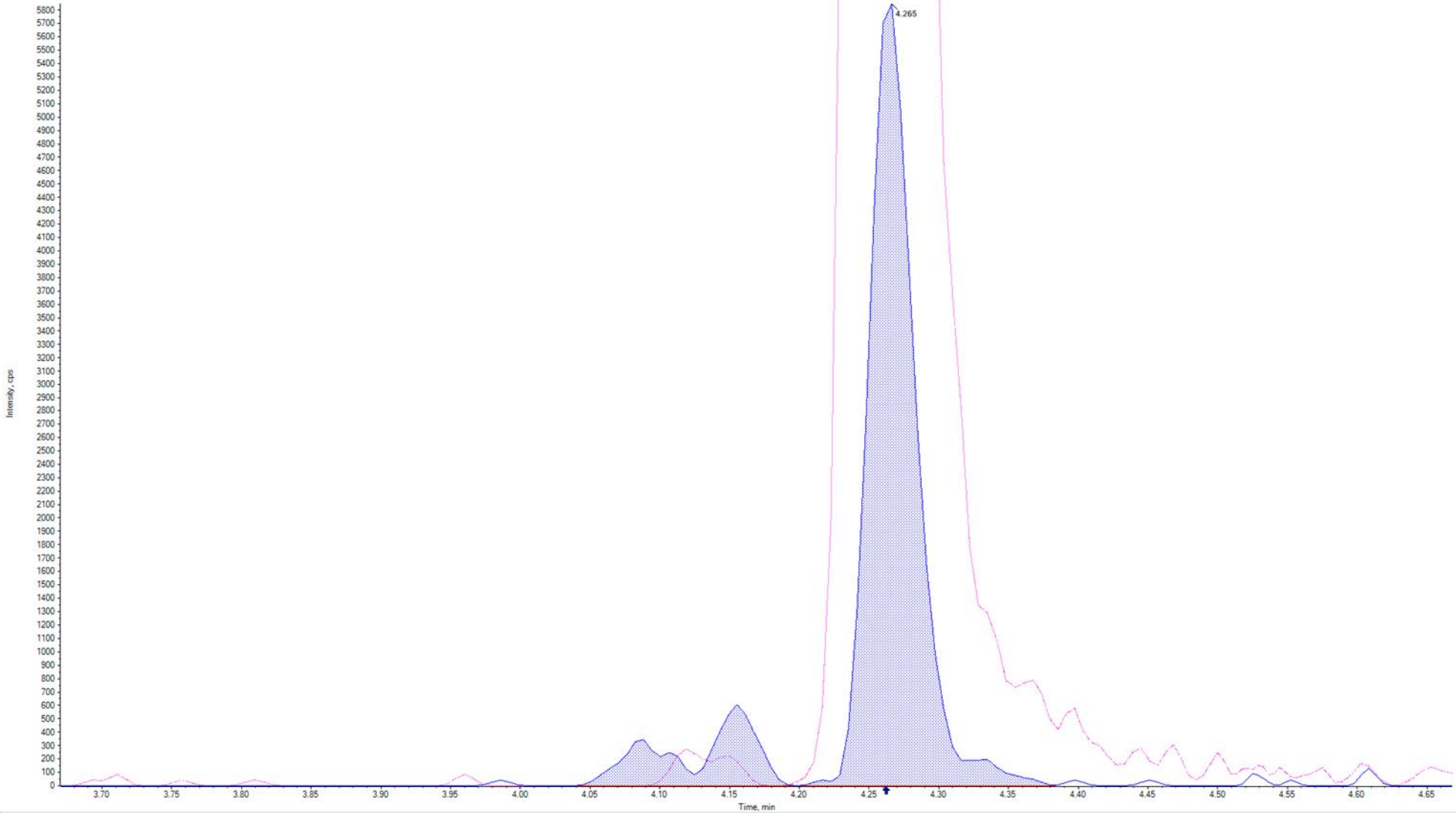
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NMeFOSAA_2
Sample: IA1633STD-.5 S/N:65.3 Points Across peak:49



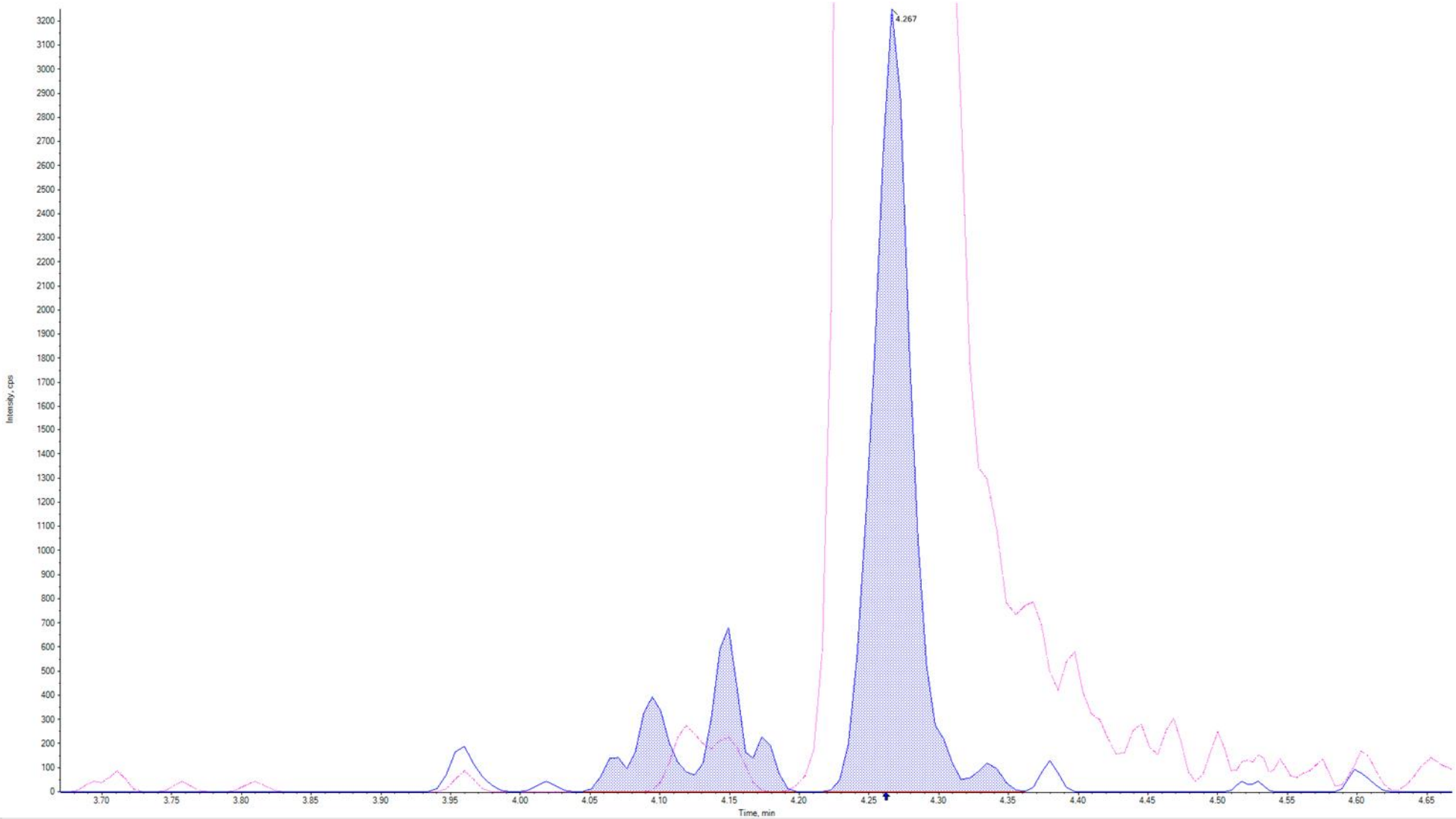
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NEtFOSAA
Sample: IA1633STD-.5 S/N:131.9 Points Across peak:58



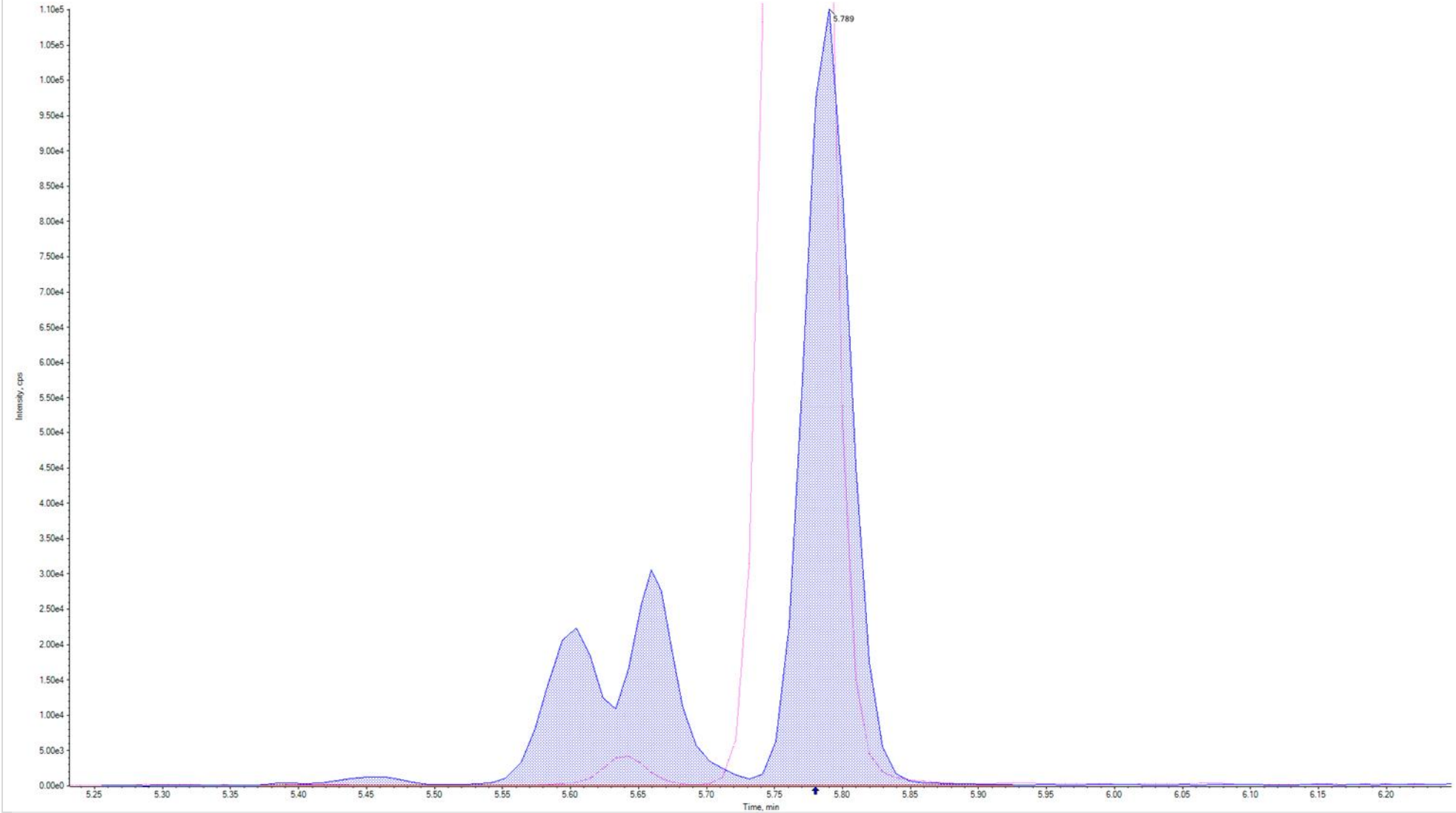
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NEtFOSAA_2
Sample: IA1633STD-.5 S/N:73.3 Points Across peak:55



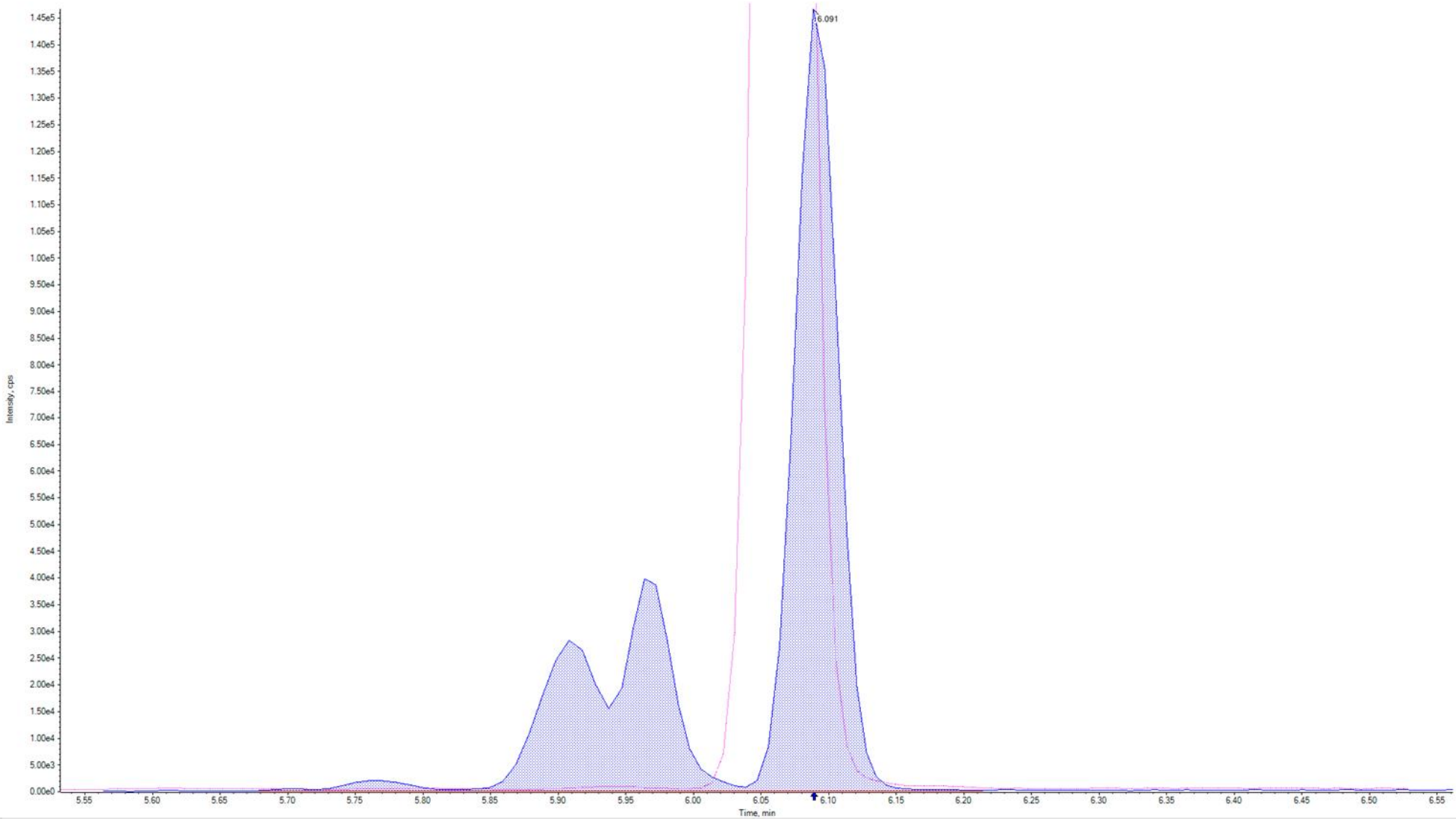
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NMeFOSE
Sample: IA1633STD-.5 S/N:189.9 Points Across peak:62



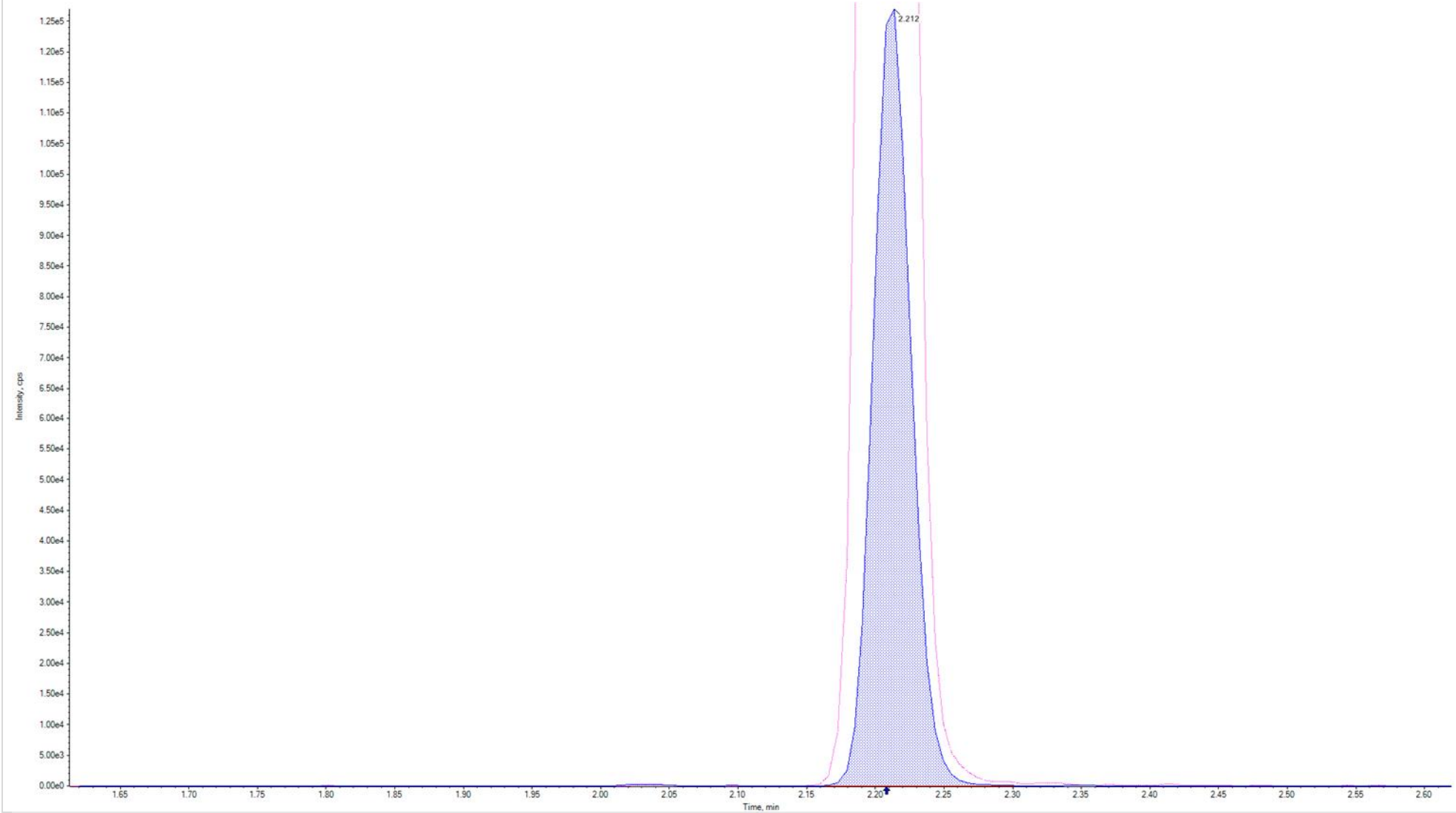
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NEtFOSE
Sample: IA1633STD-.5 S/N:395.4 Points Across peak:66



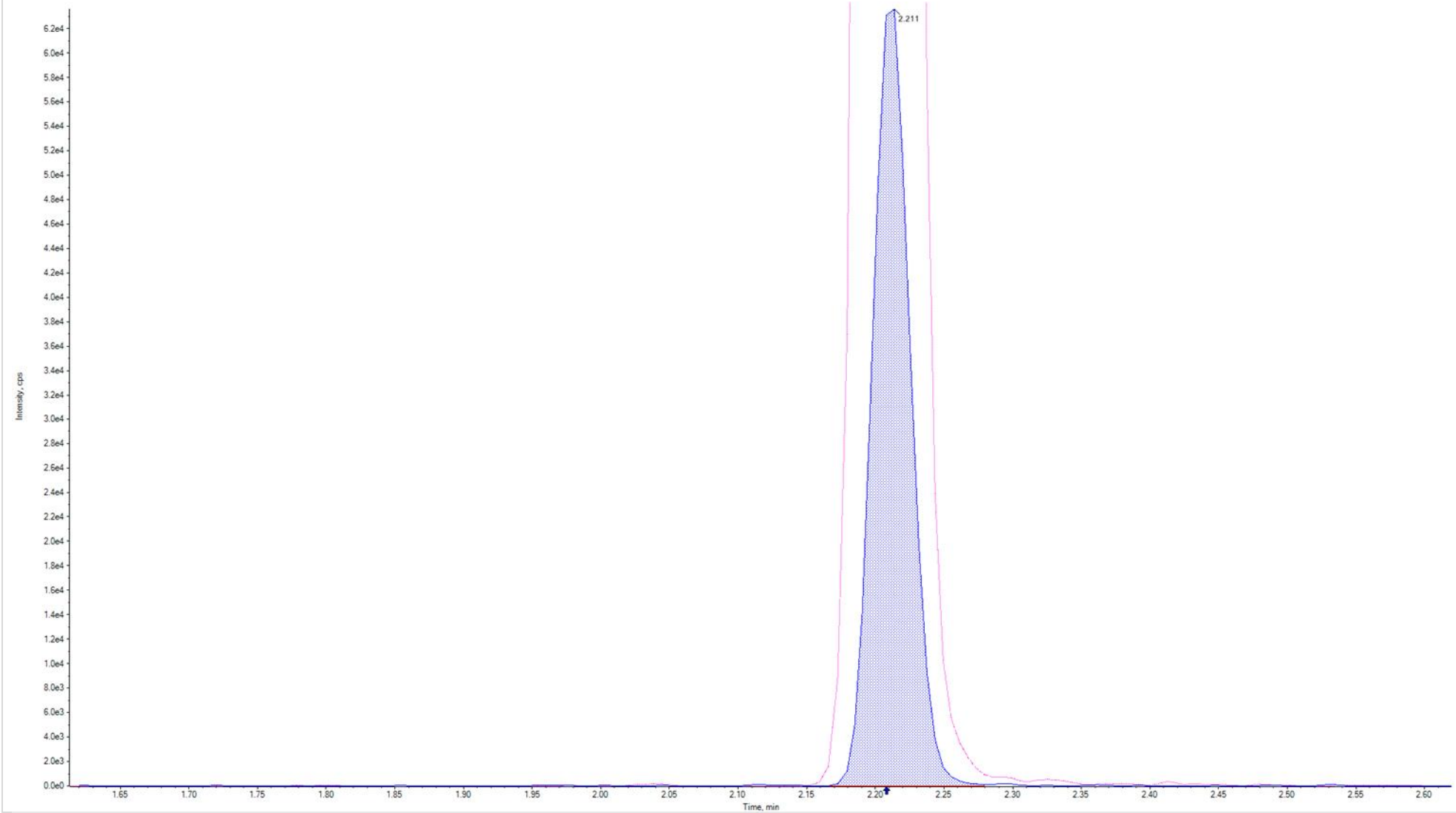
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Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

HFPO-DA
Sample: IA1633STD-.5 S/N:2864.7 Points Across peak:30



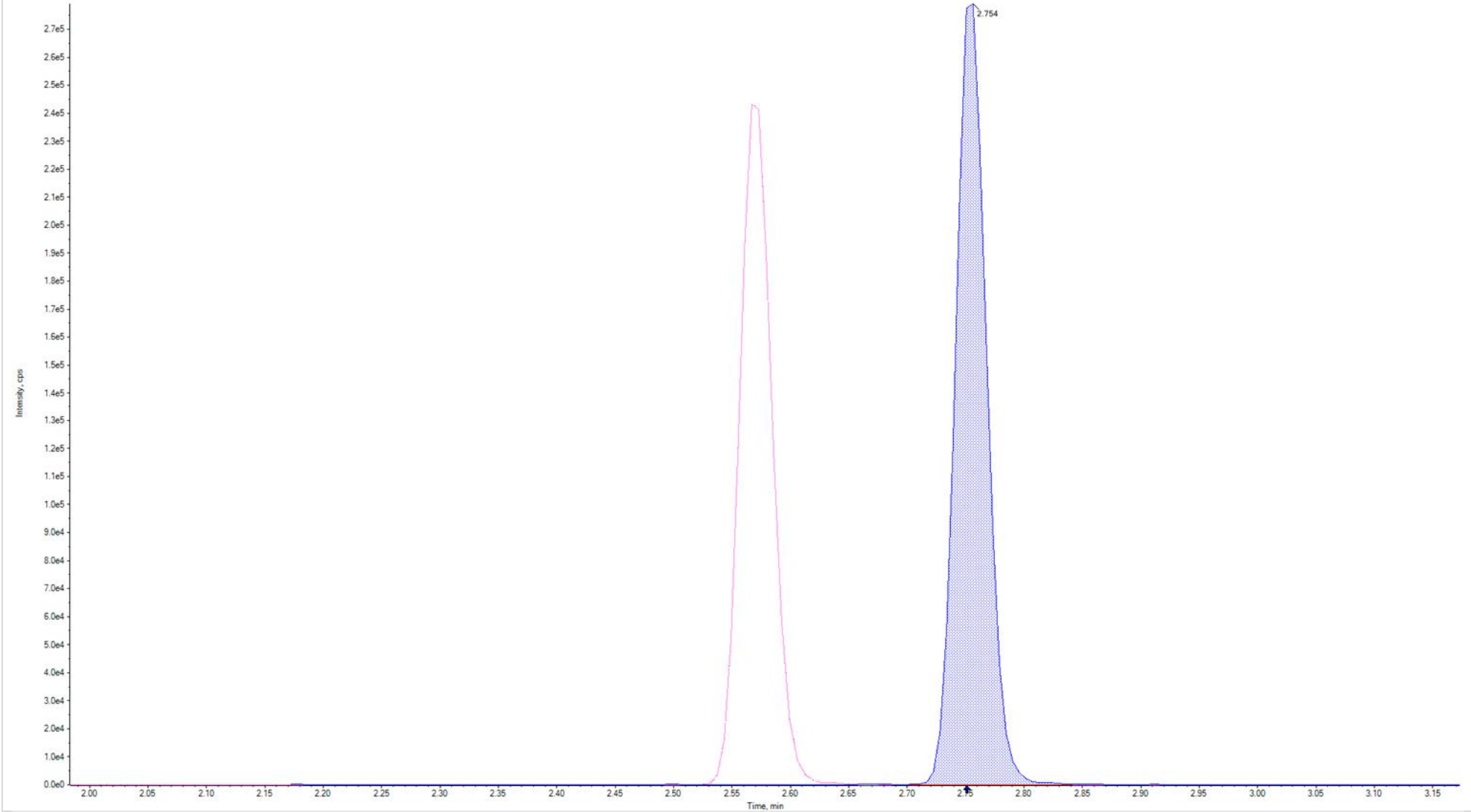
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Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

HFPO-DA_2
Sample: IA1633STD-.5 S/N:1434.7 Points Across peak:21



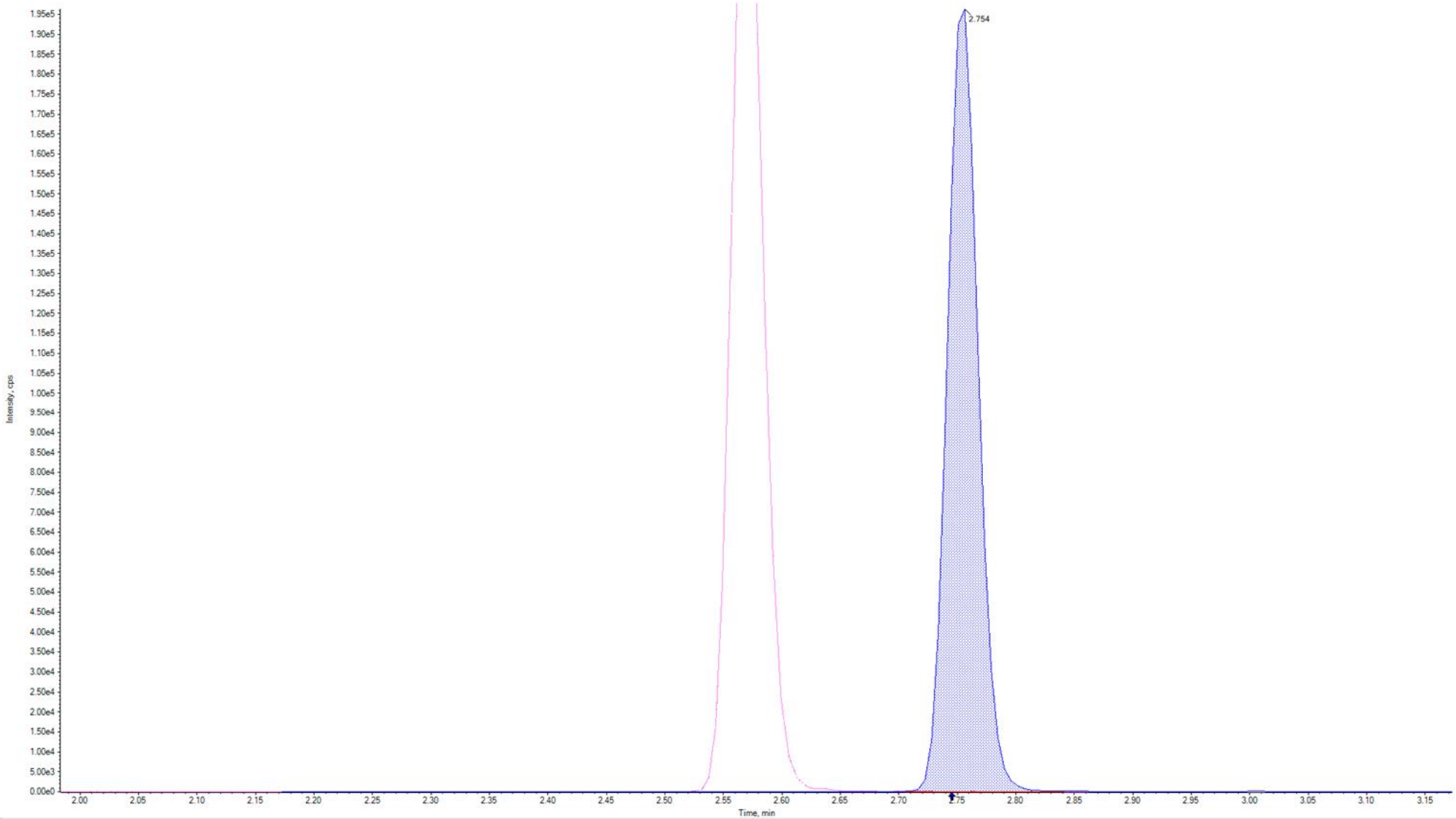
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Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_13.wiff2_3
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

ADONA
Sample: IA1633STD-.5 S/N:4520.9 Points Across peak:26



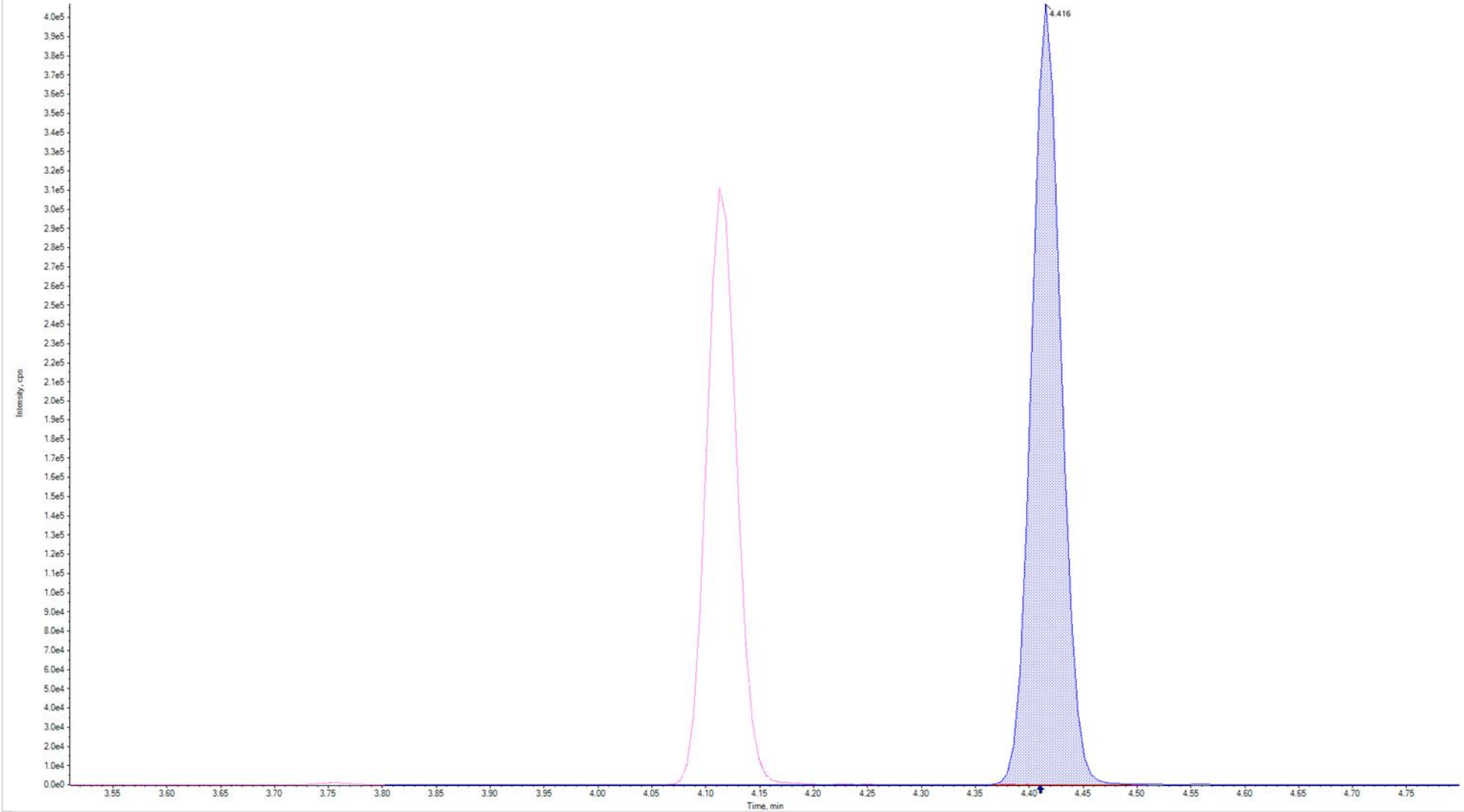
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

ADONA_2
Sample: IA1633STD-.5 S/N:3937.0 Points Across peak:34



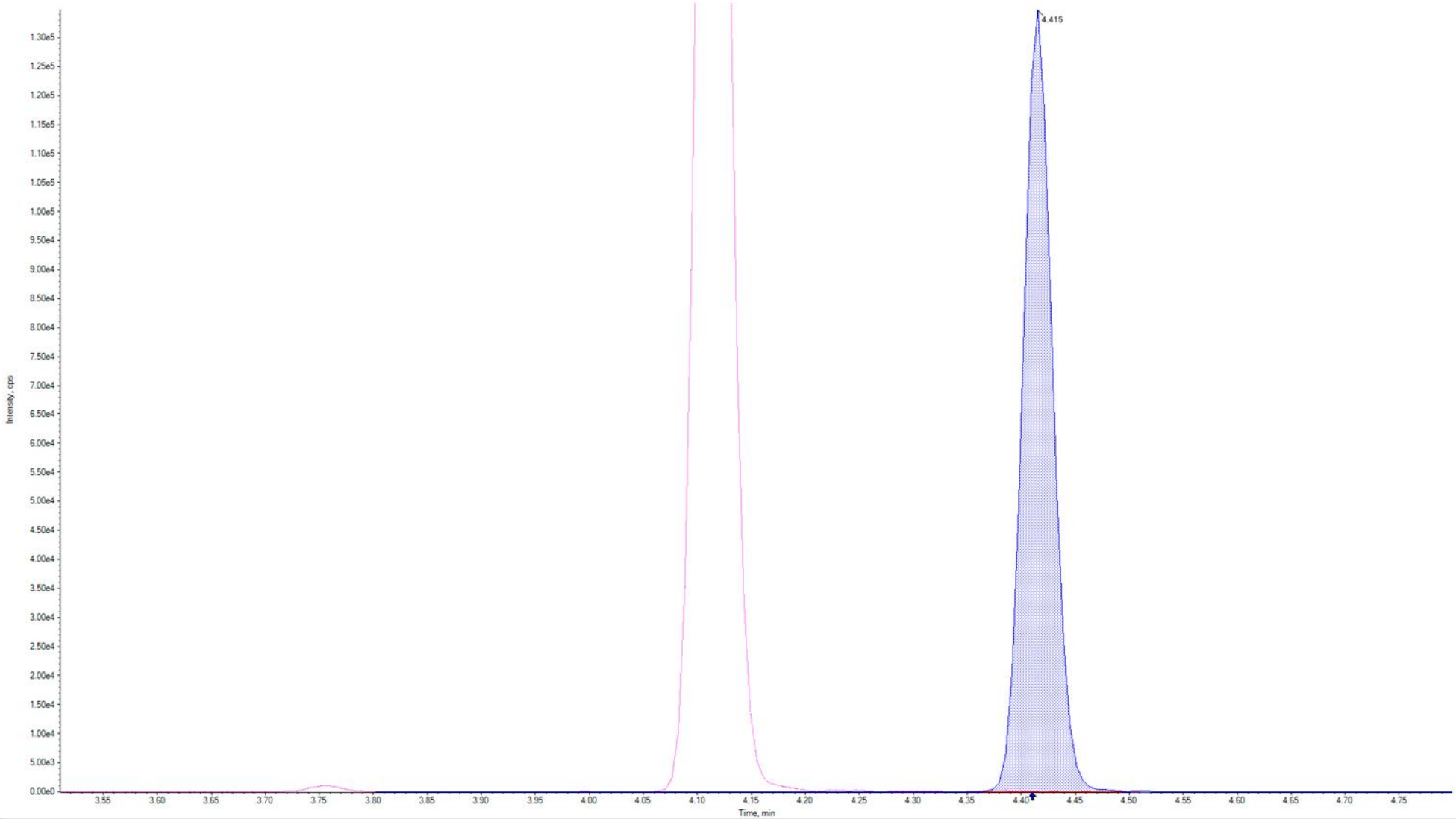
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

9Cl-PF3ONS
Sample: IA1633STD-.5 S/N:5598.7 Points Across peak:27



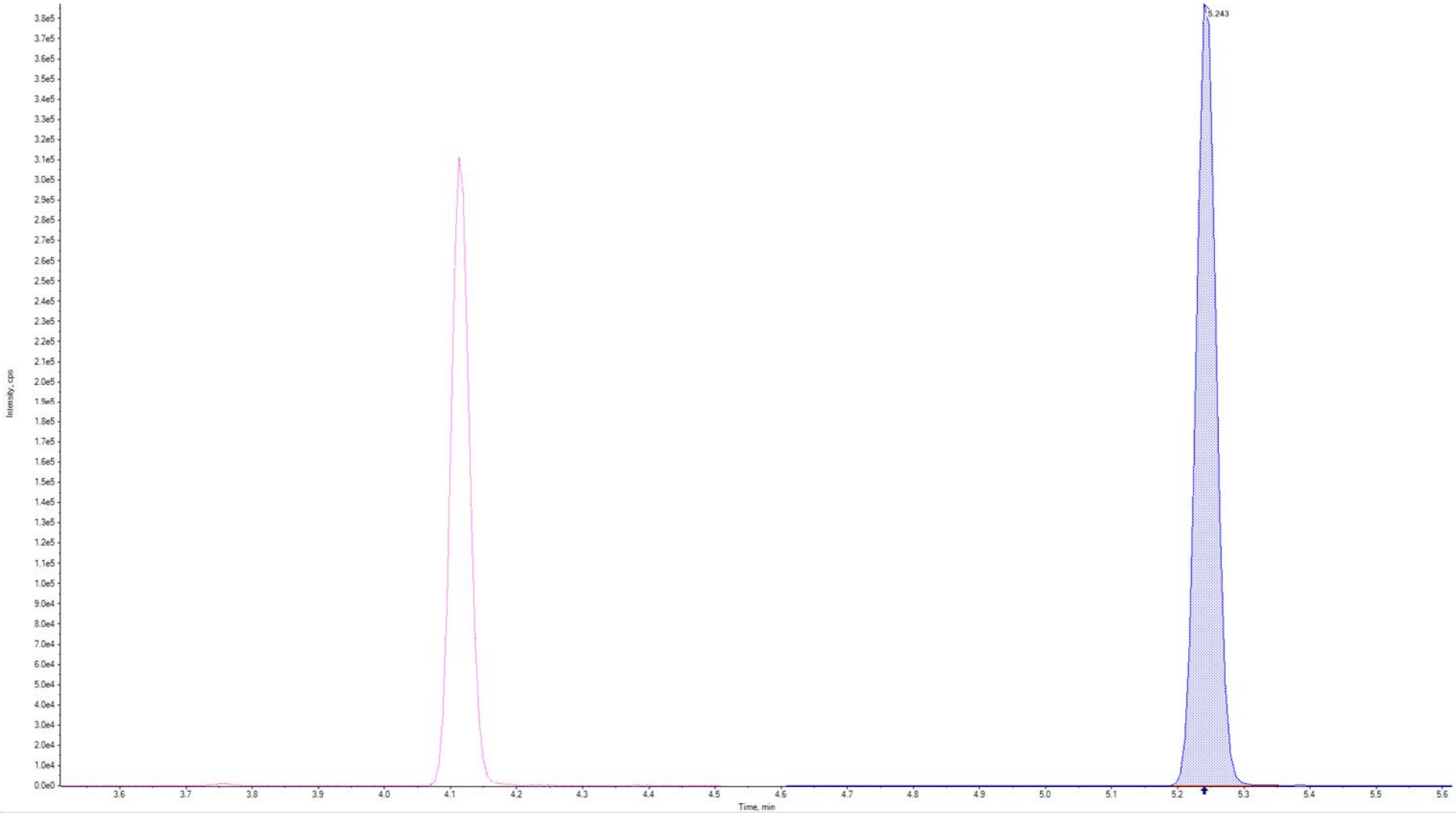
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_13.wiff2_3
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

9Cl-PF3ONS_2
Sample: IA1633STD-.5 S/N:3039.9 Points Across peak:24



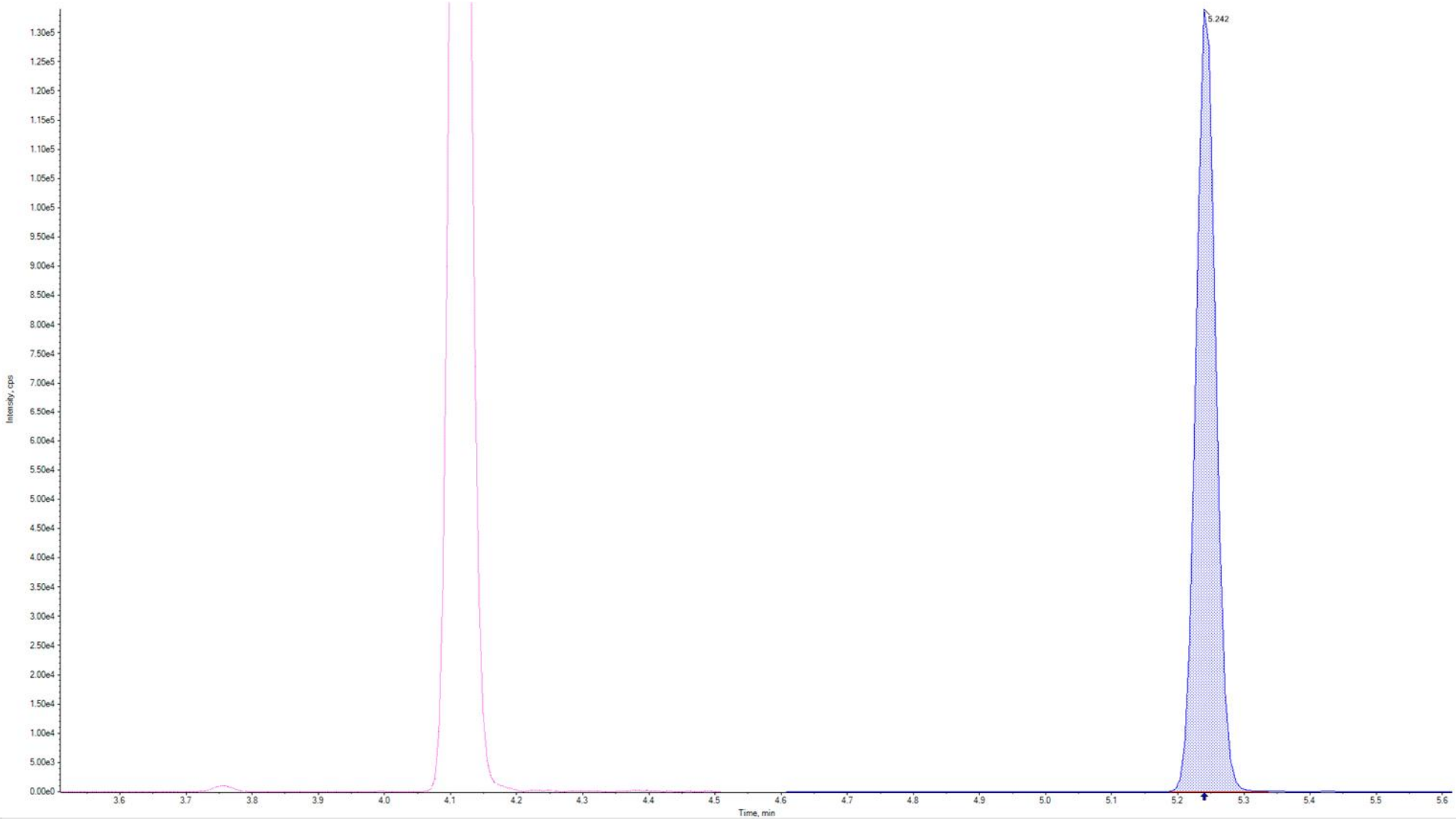
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_13.wiff2_3
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

11Cl-PF3OUdS
Sample: IA1633STD-.5 S/N:4779.1 Points Across peak:28



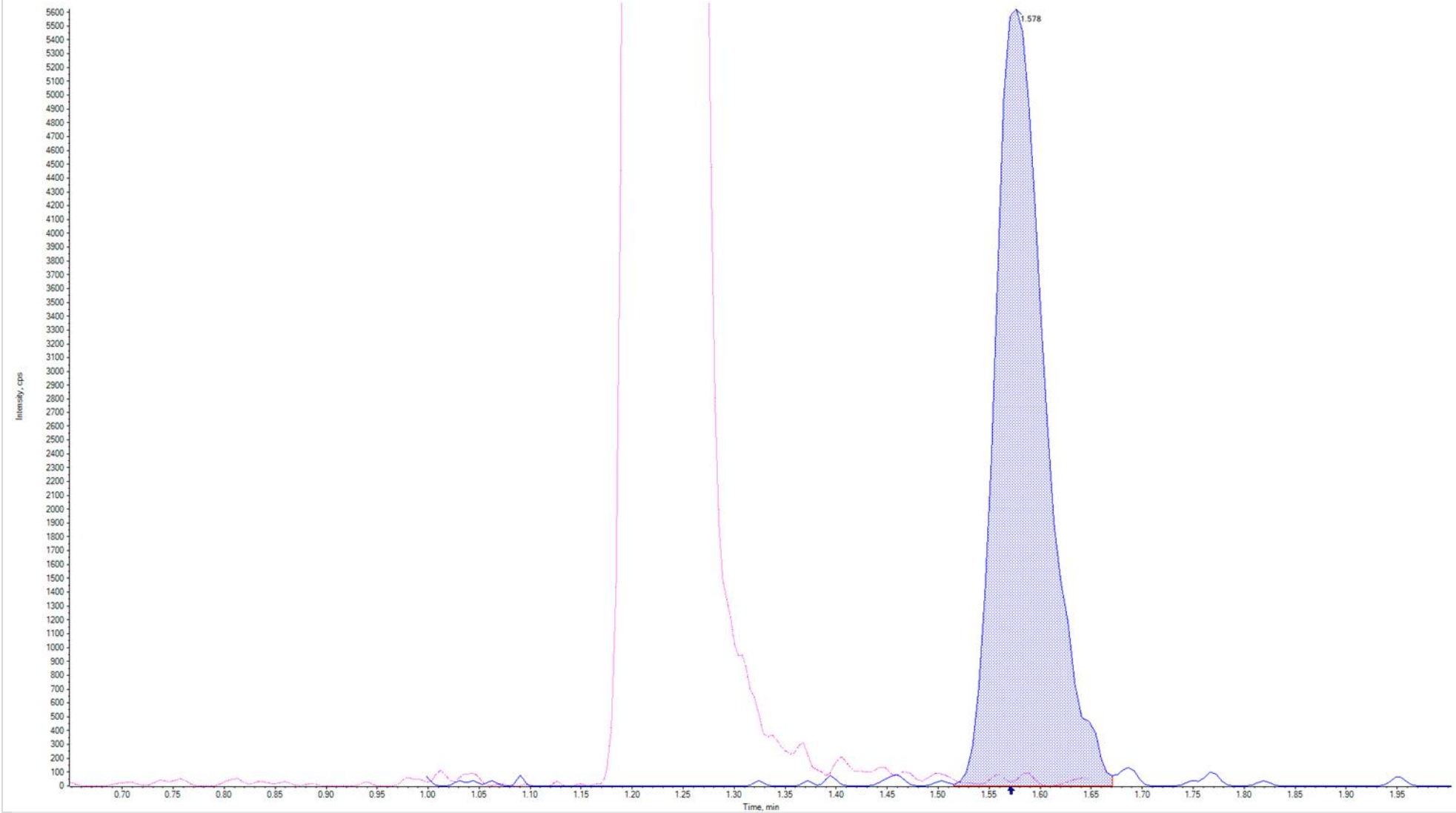
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_13.wiff2_3
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

11Cl-PF3OUdS_2
Sample: IA1633STD-.5 S/N:6381.5 Points Across peak:23



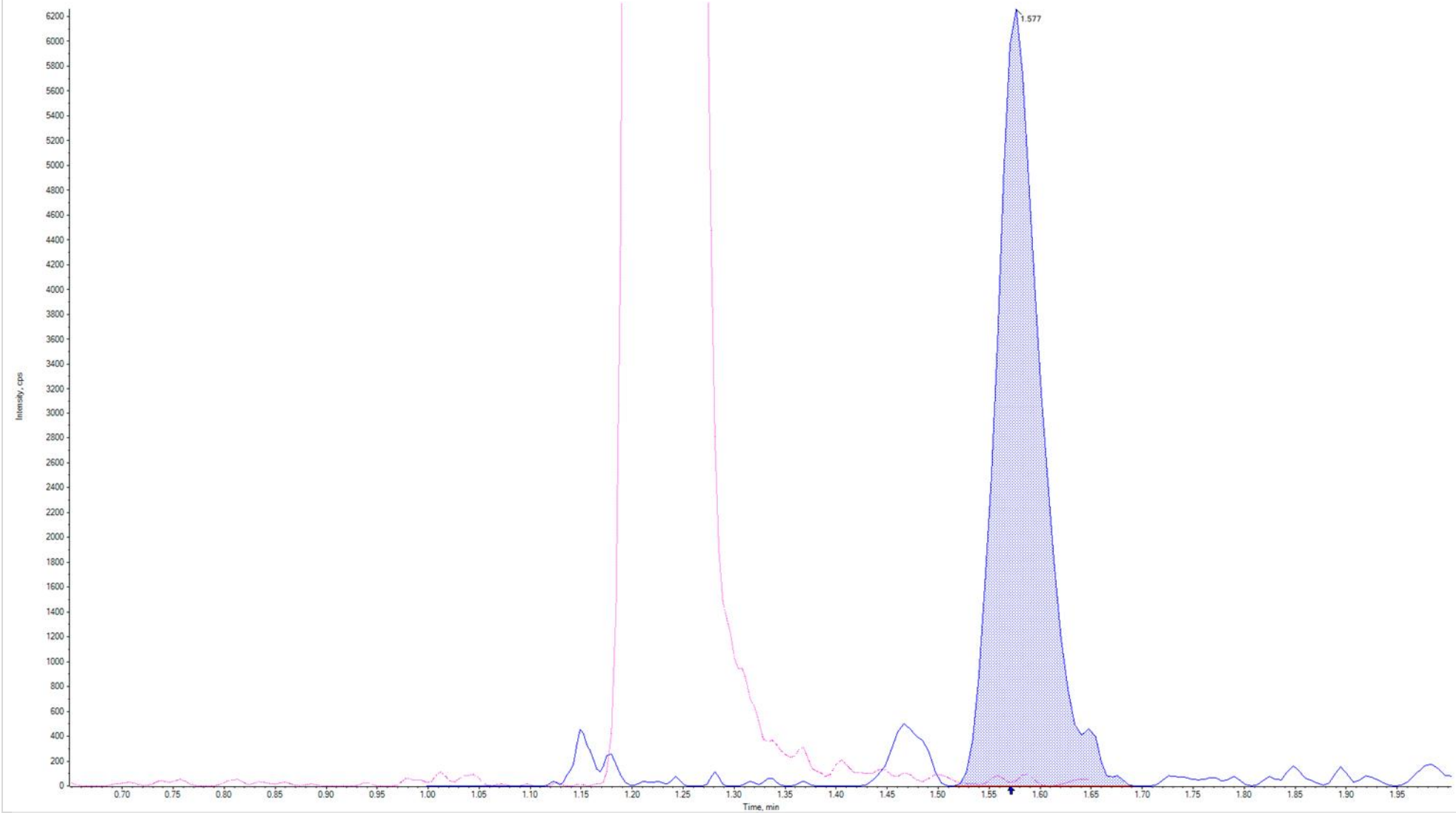
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_13.wiff2_3
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

3:3FTCA
Sample: IA1633STD-.5 S/N:140.9 Points Across peak:26



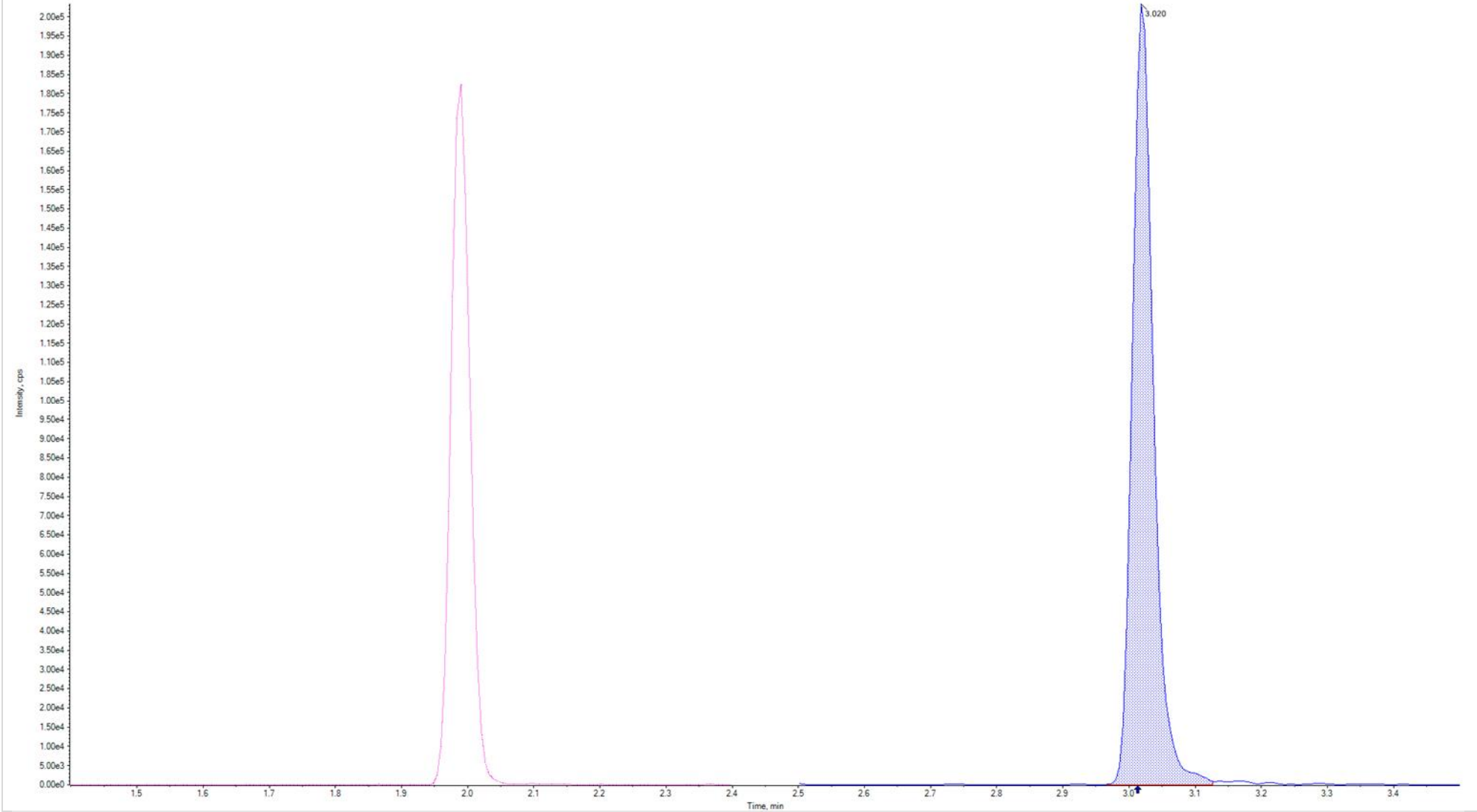
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_13.wiff2_3
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

3:3FTCA_2
Sample: IA1633STD-.5 S/N:156.9 Points Across peak:31



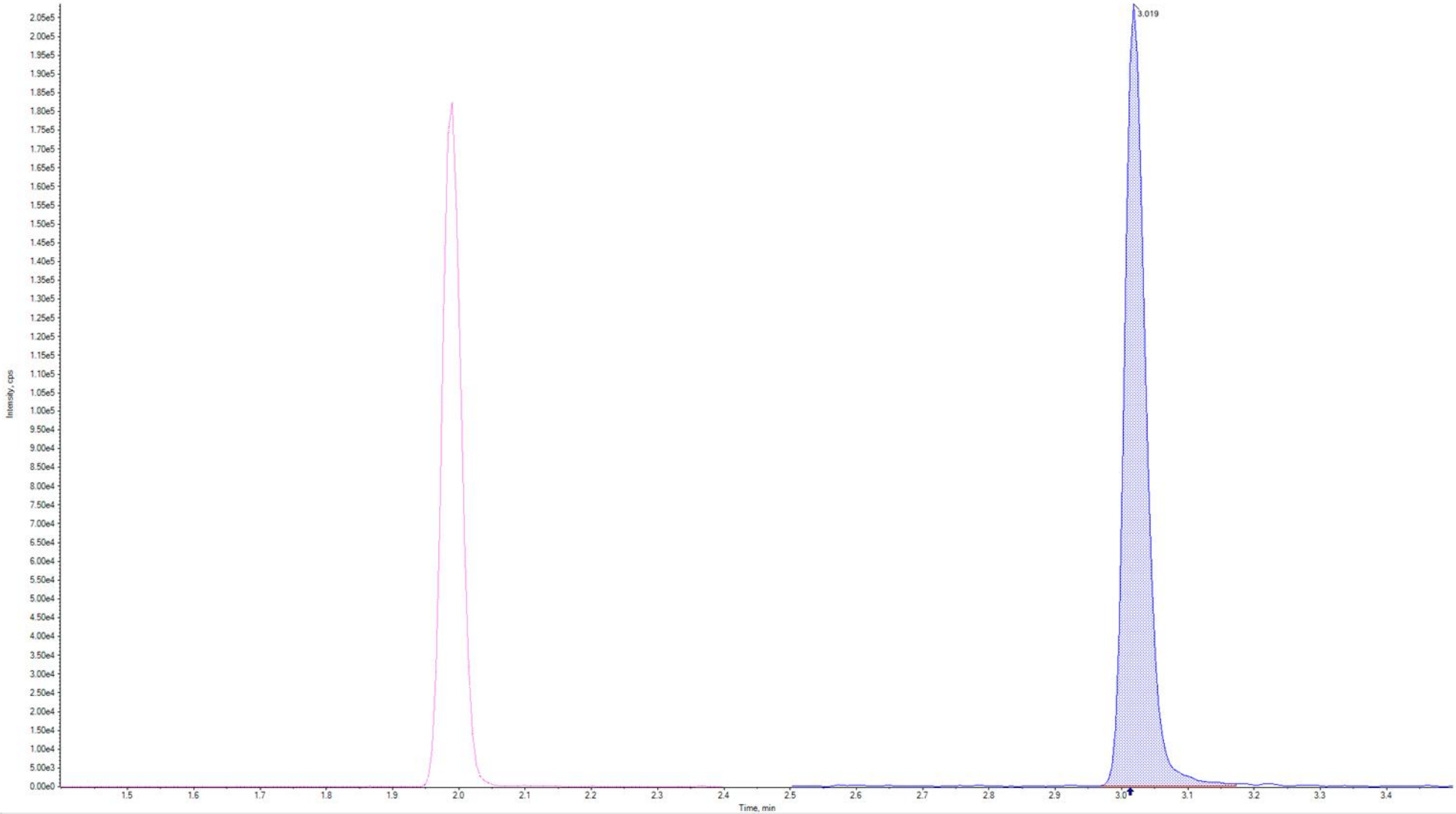
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Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_13.wiff2_3
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

5:3FTCA
Sample: IA1633STD-.5 S/N:4587.1 Points Across peak:32



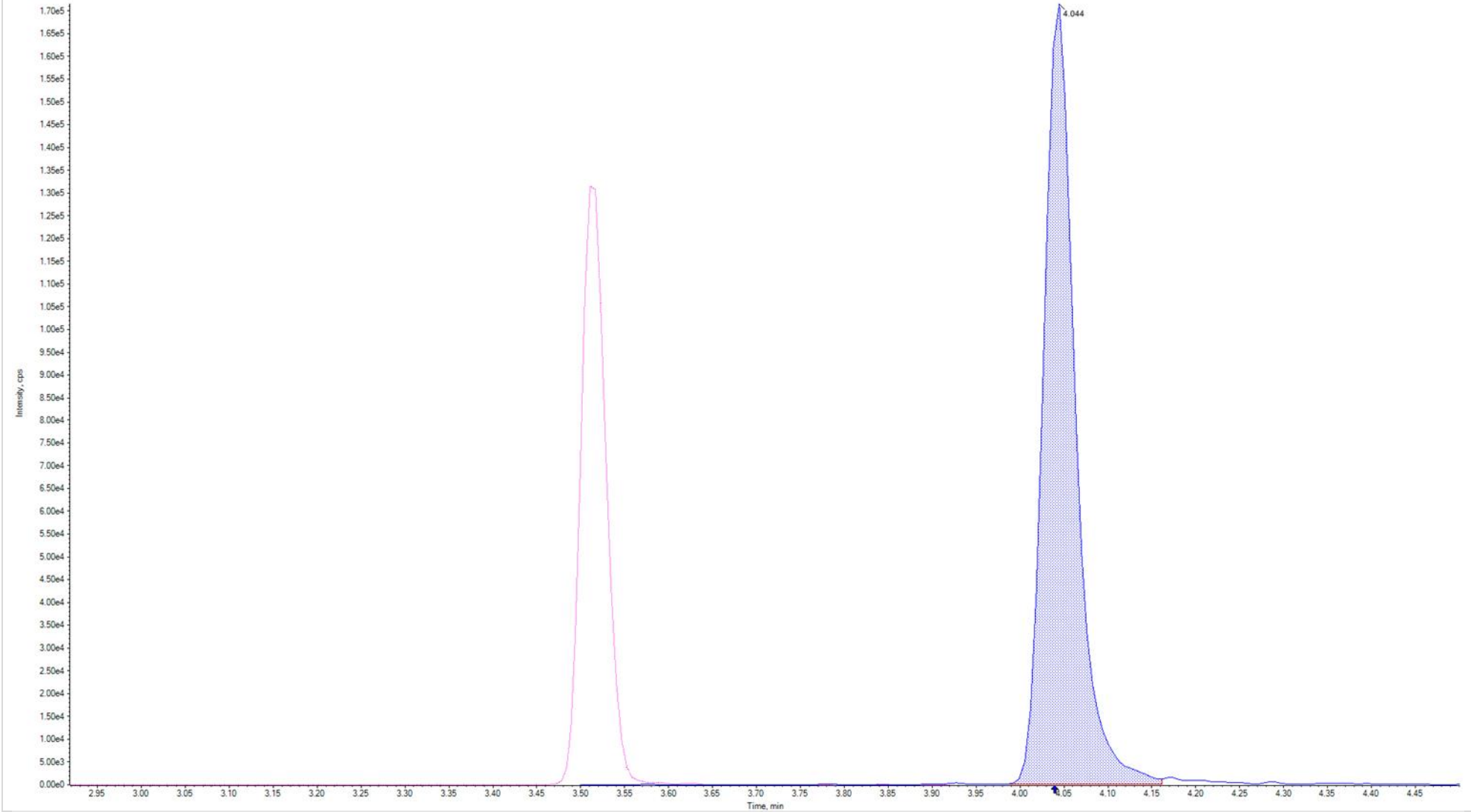
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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5:3FTCA_2
Sample: IA1633STD-.5 S/N:3604.5 Points Across peak:40



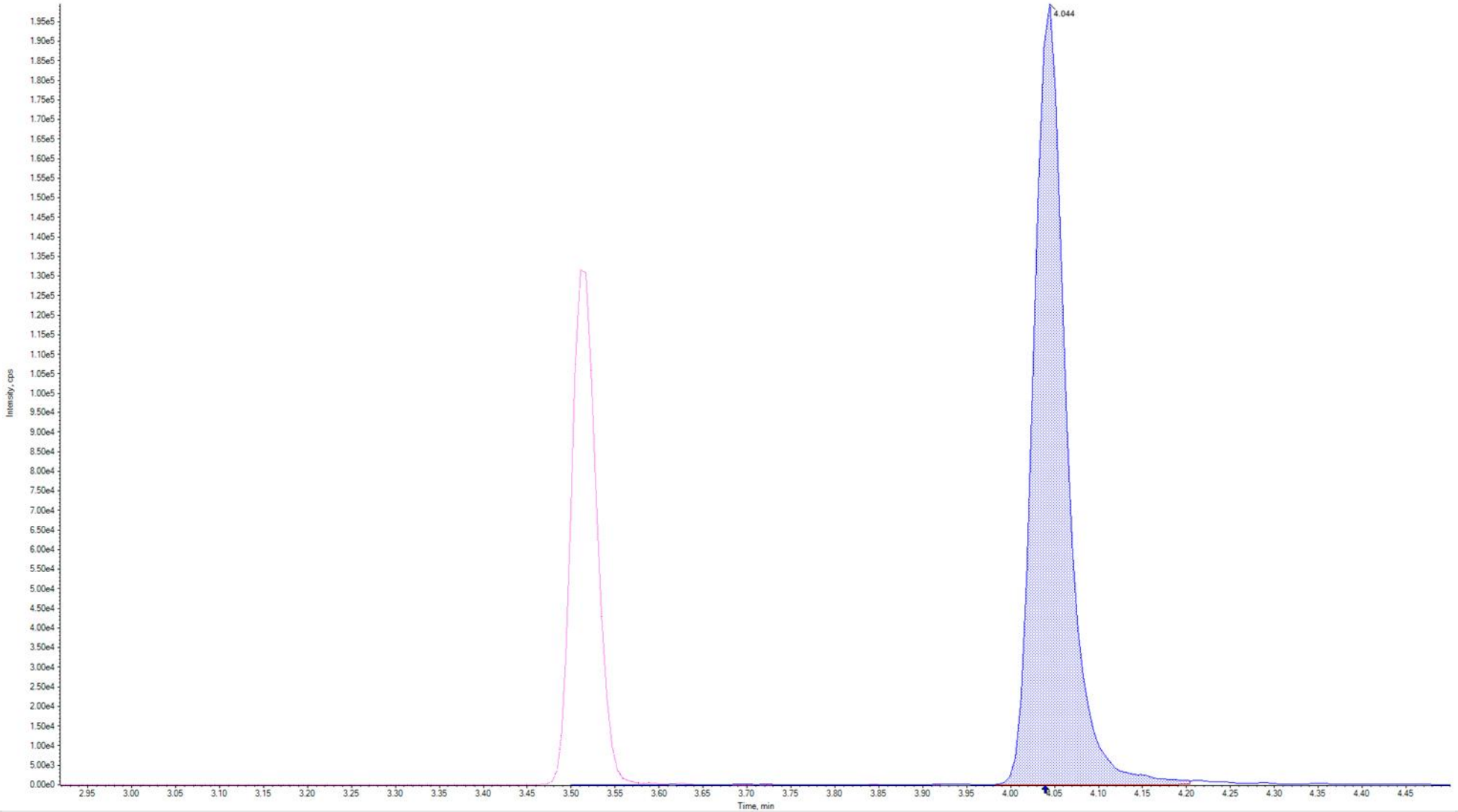
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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7:3FTCA
Sample: IA1633STD-.5 S/N:4726.6 Points Across peak:30



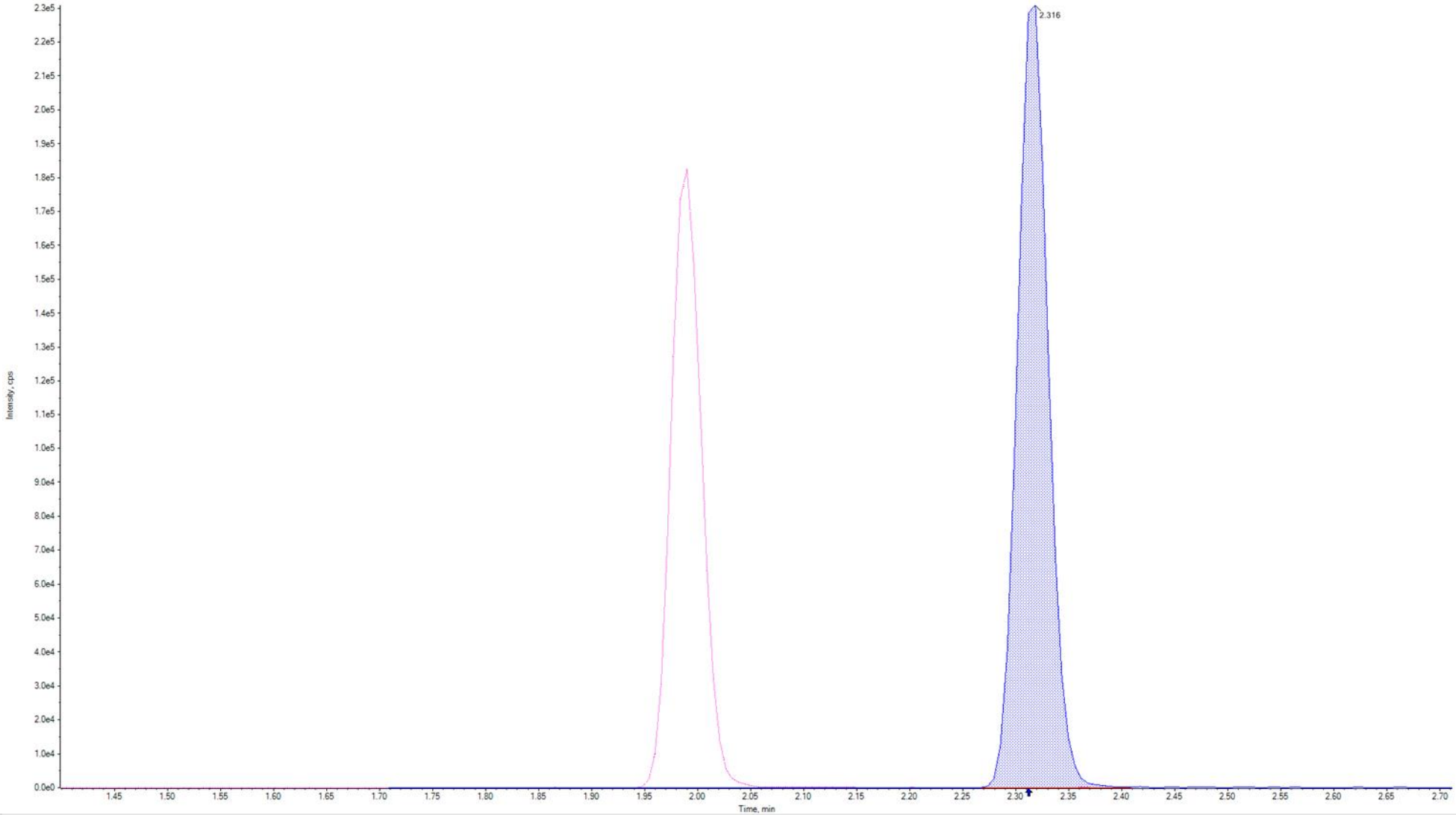
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Alpha Analytical LLC
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7:3FTCA_2
Sample: IA1633STD-.5 S/N:5500.4 Points Across peak:38



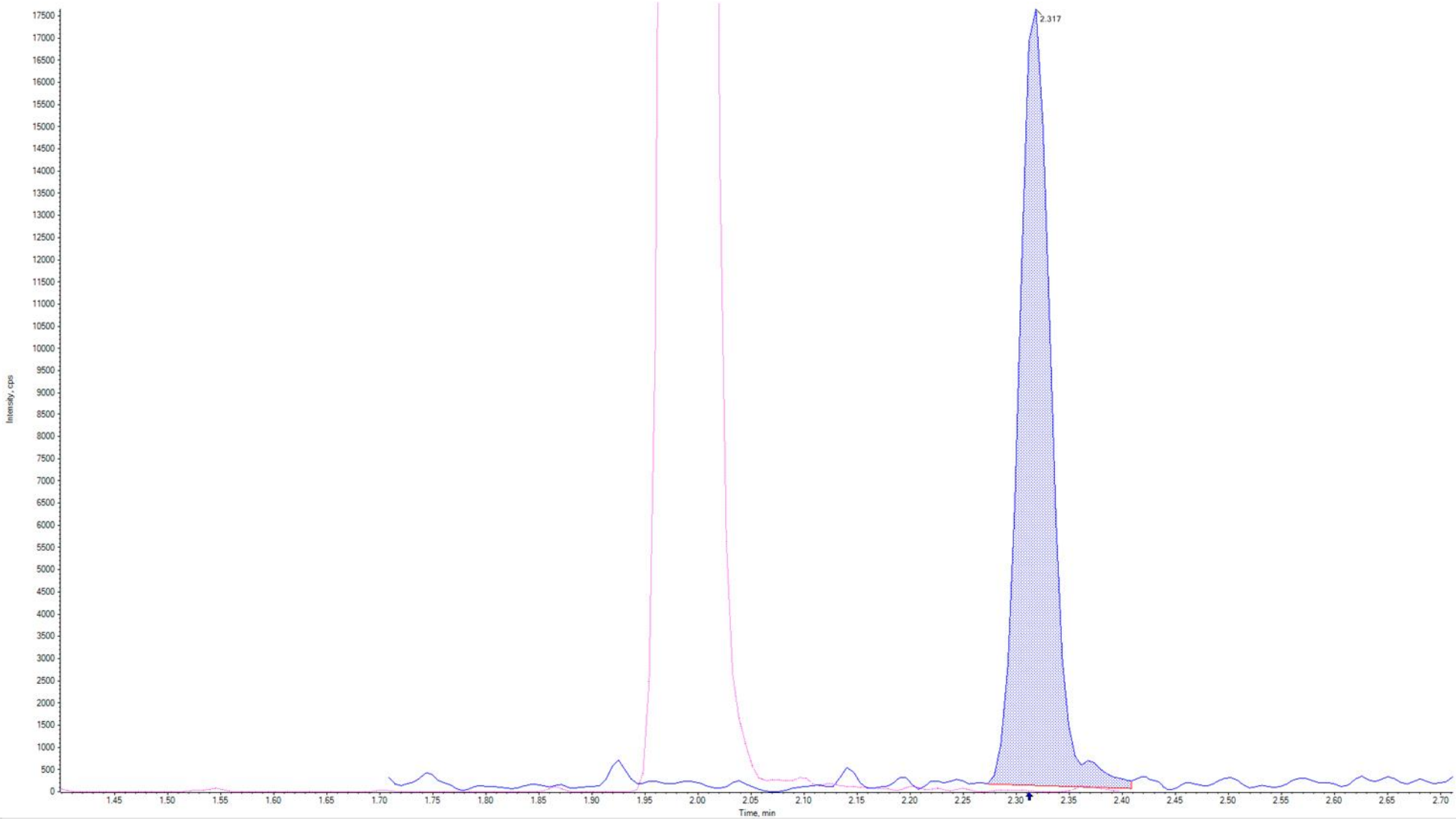
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Alpha Analytical LLC
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PFEESA
Sample: IA1633STD-.5 S/N:4190.6 Points Across peak:27



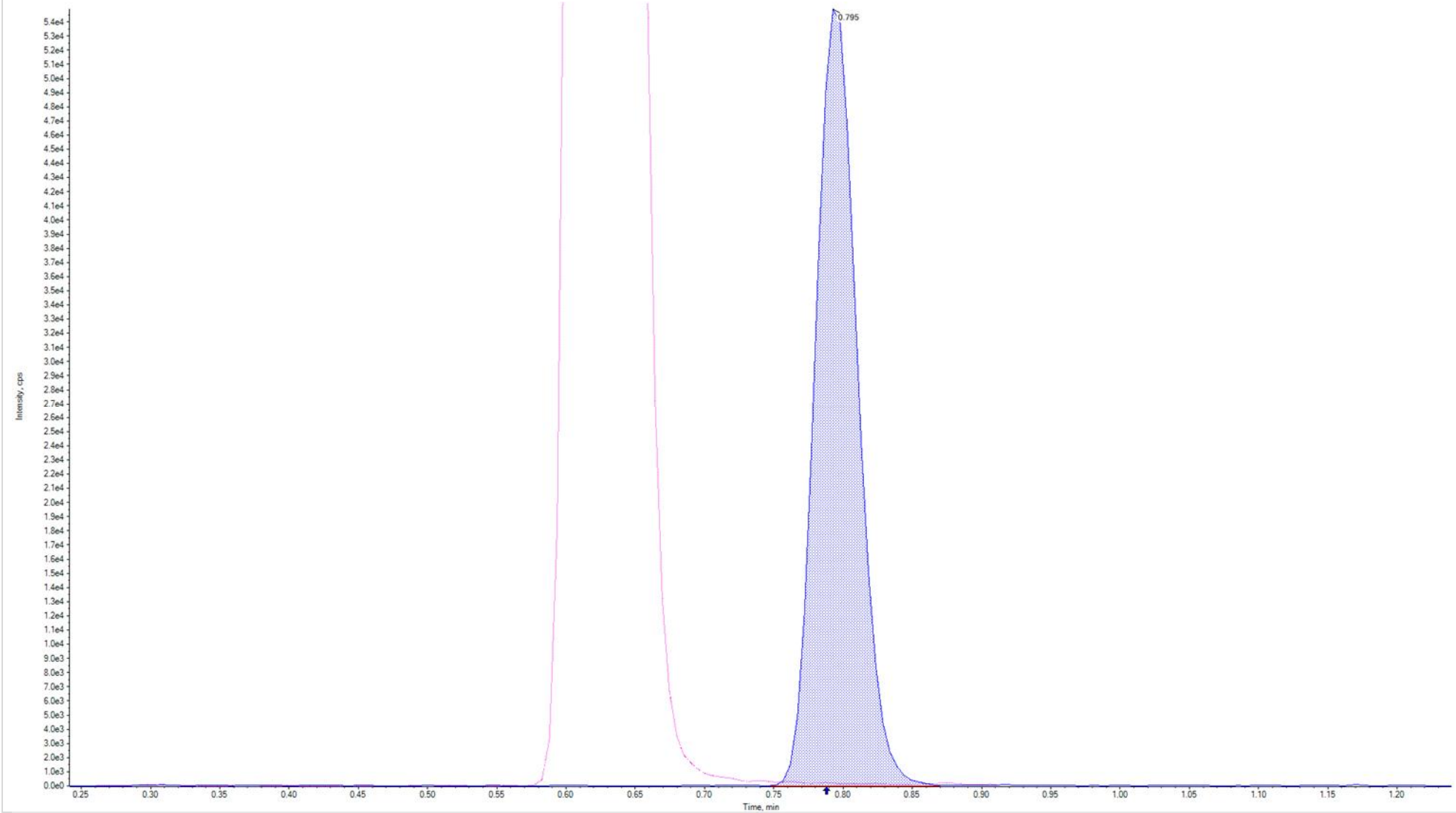
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Alpha Analytical LLC
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PFEESA_2
Sample: IA1633STD-.5 S/N:395.0 Points Across peak:23



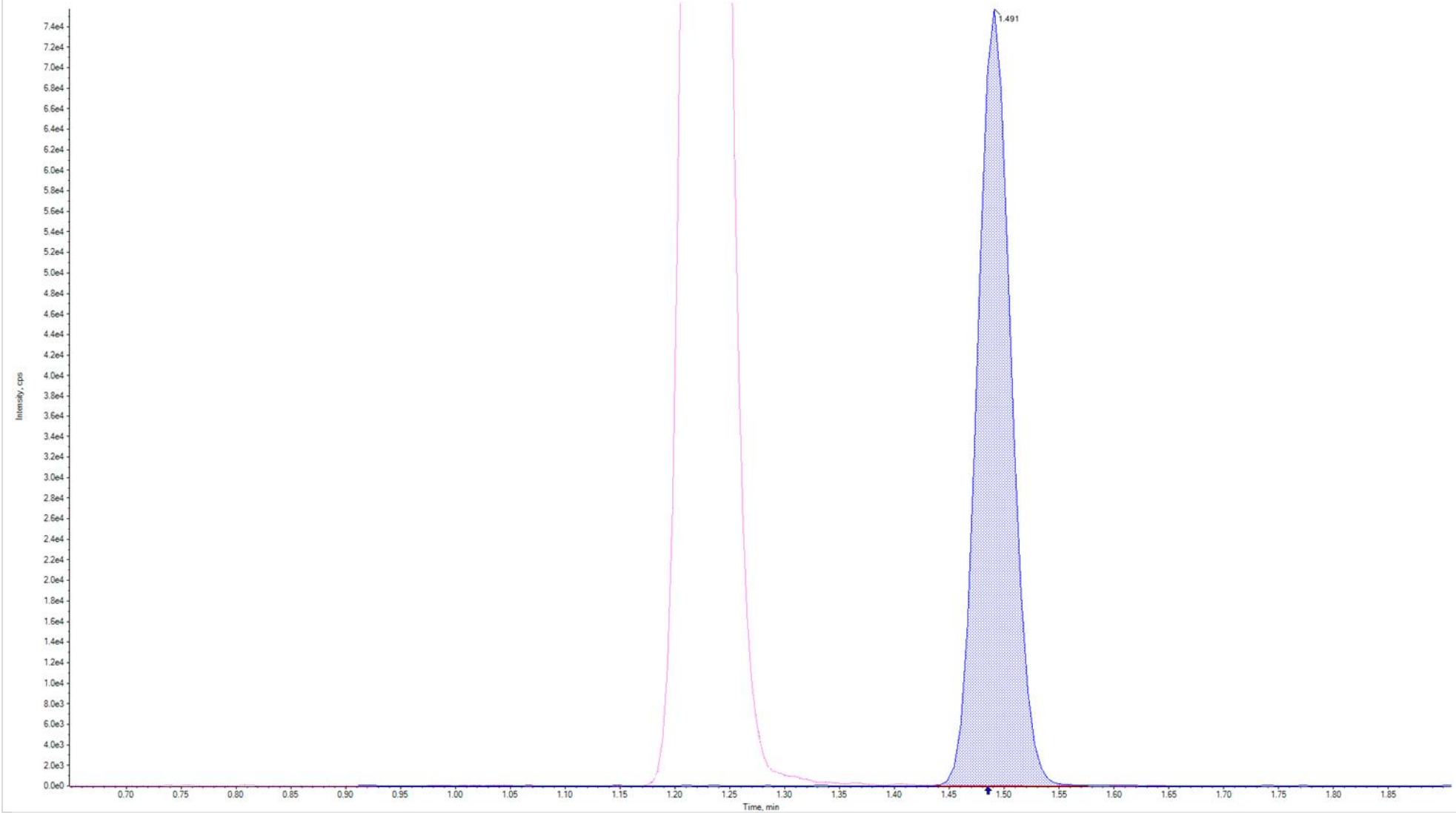
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Alpha Analytical LLC
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PFMPA
Sample: IA1633STD-.5 S/N:5503.1 Points Across peak:25



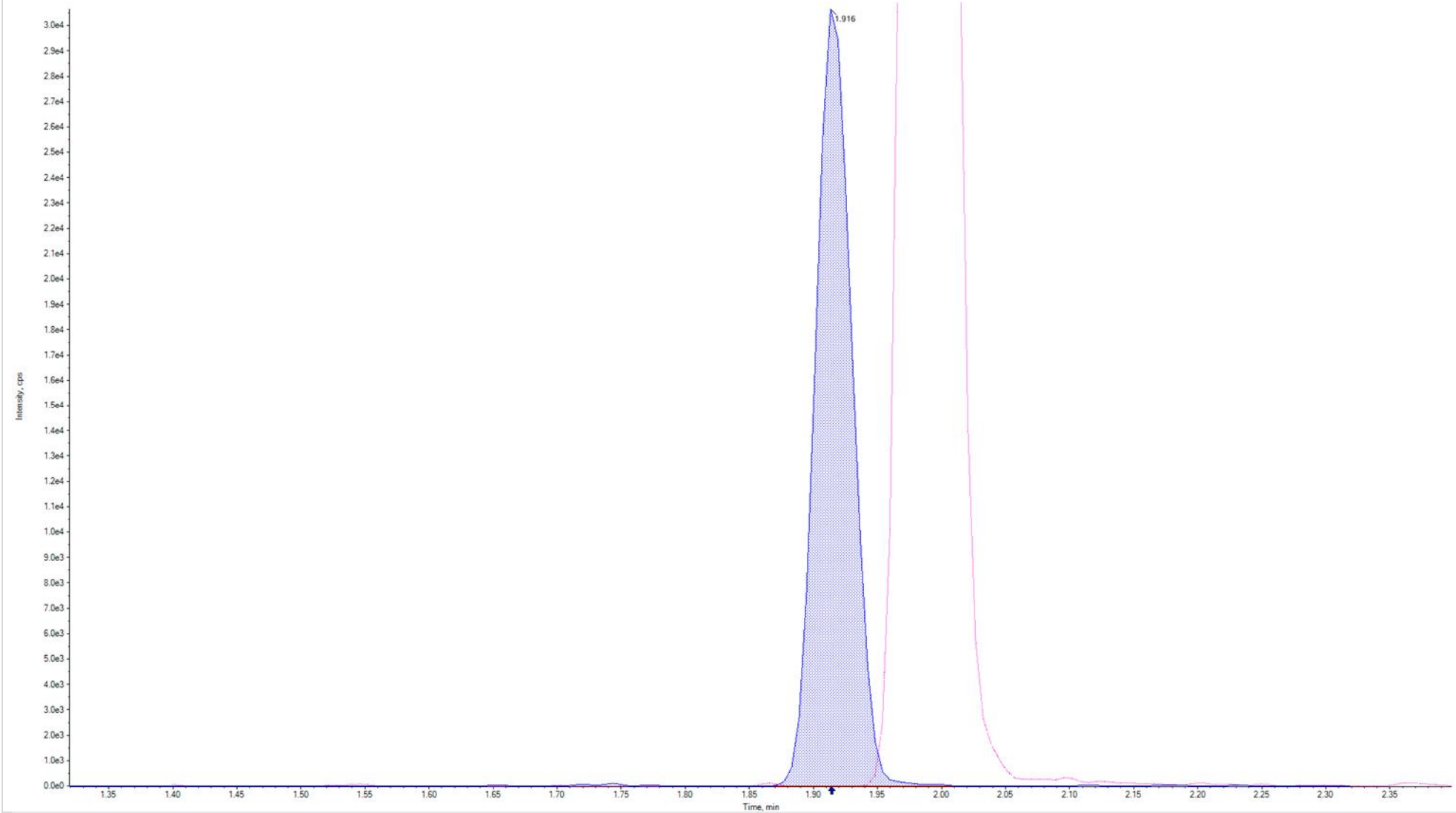
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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PFMBA
Sample: IA1633STD-.5 S/N:4364.4 Points Across peak:25



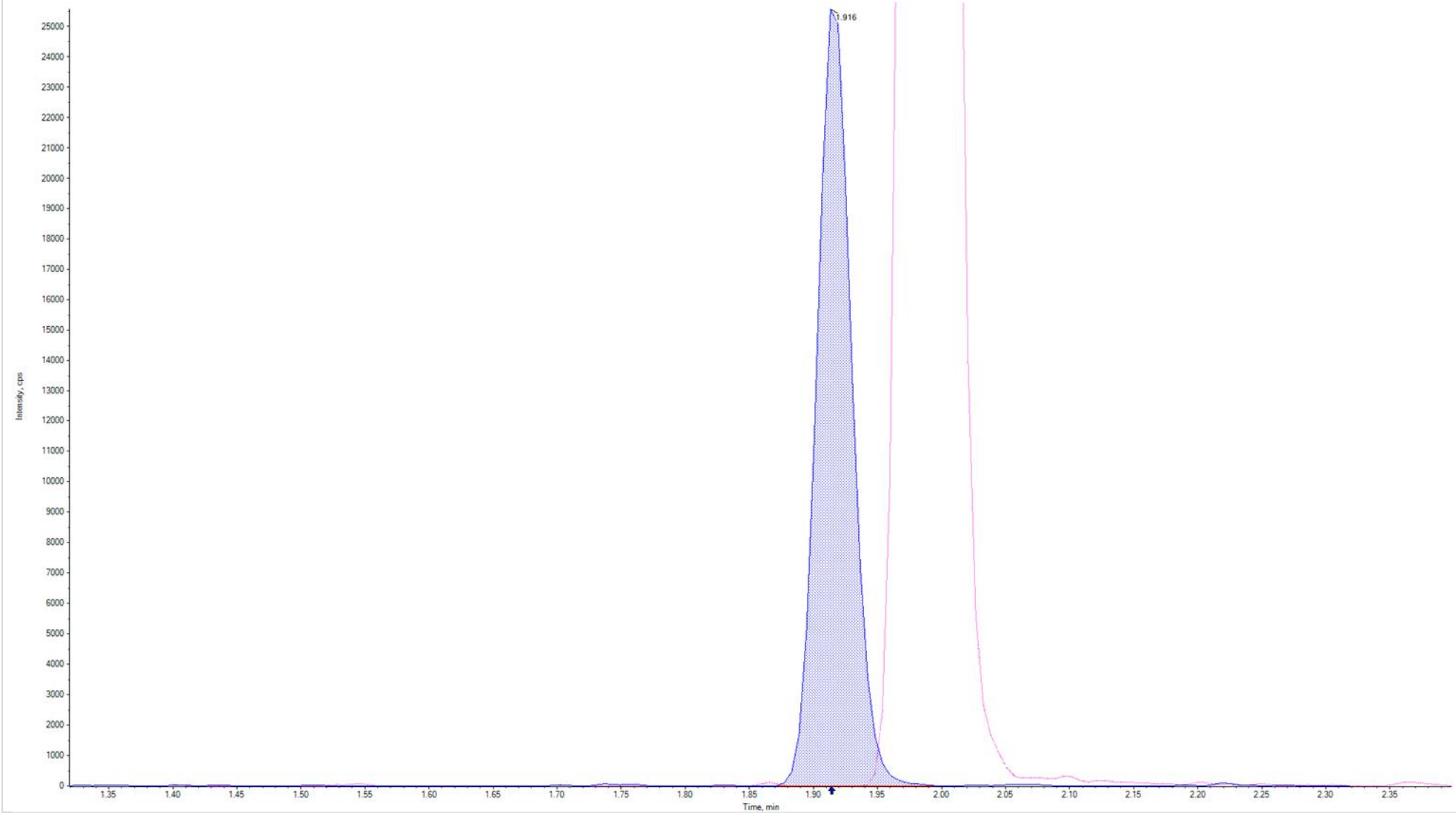
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Alpha Analytical LLC
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NFDHA
Sample: IA1633STD-.5 S/N:845.0 Points Across peak:36



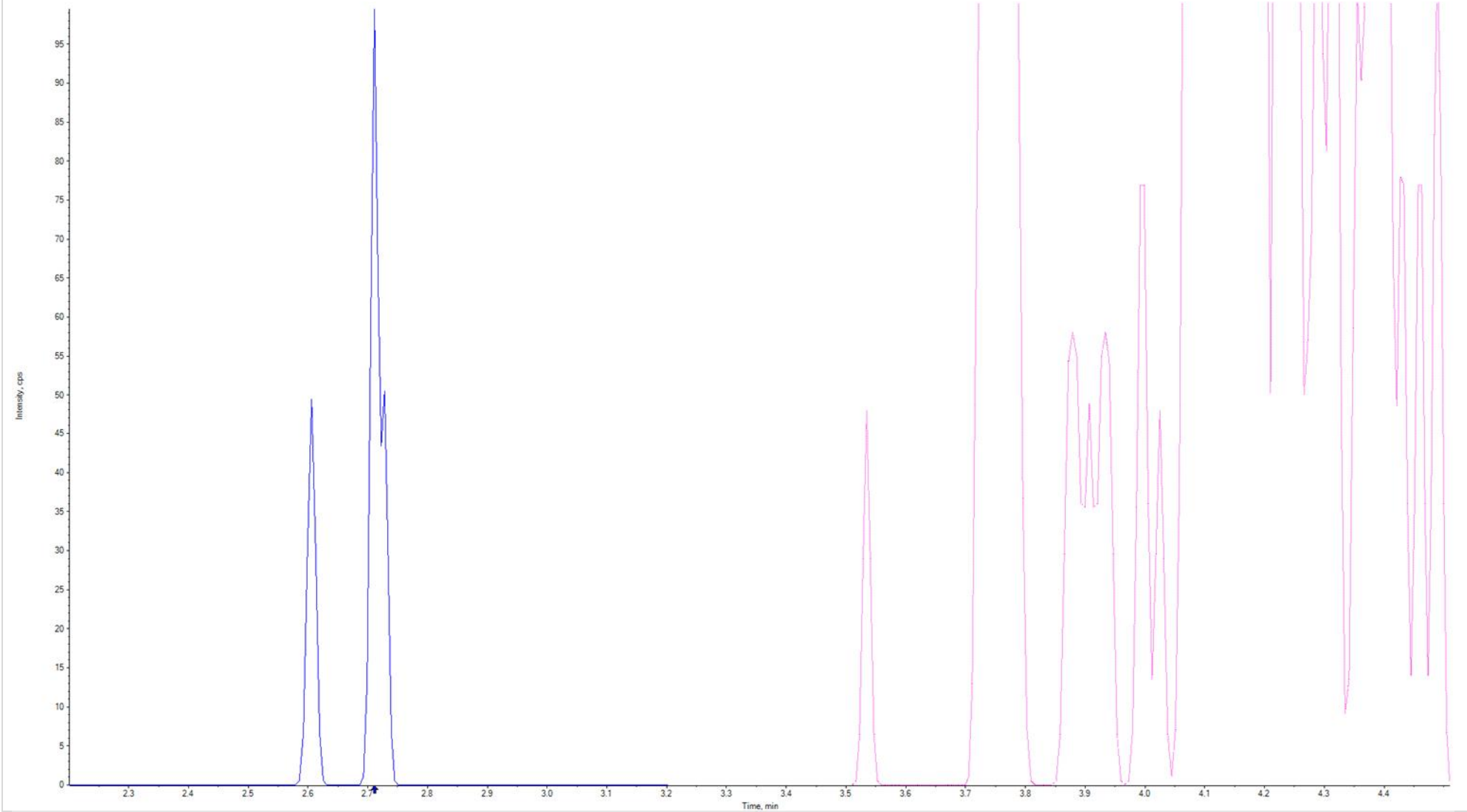
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Alpha Analytical LLC
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NFDHA_2
Sample: IA1633STD-.5 S/N:705.0 Points Across peak:26



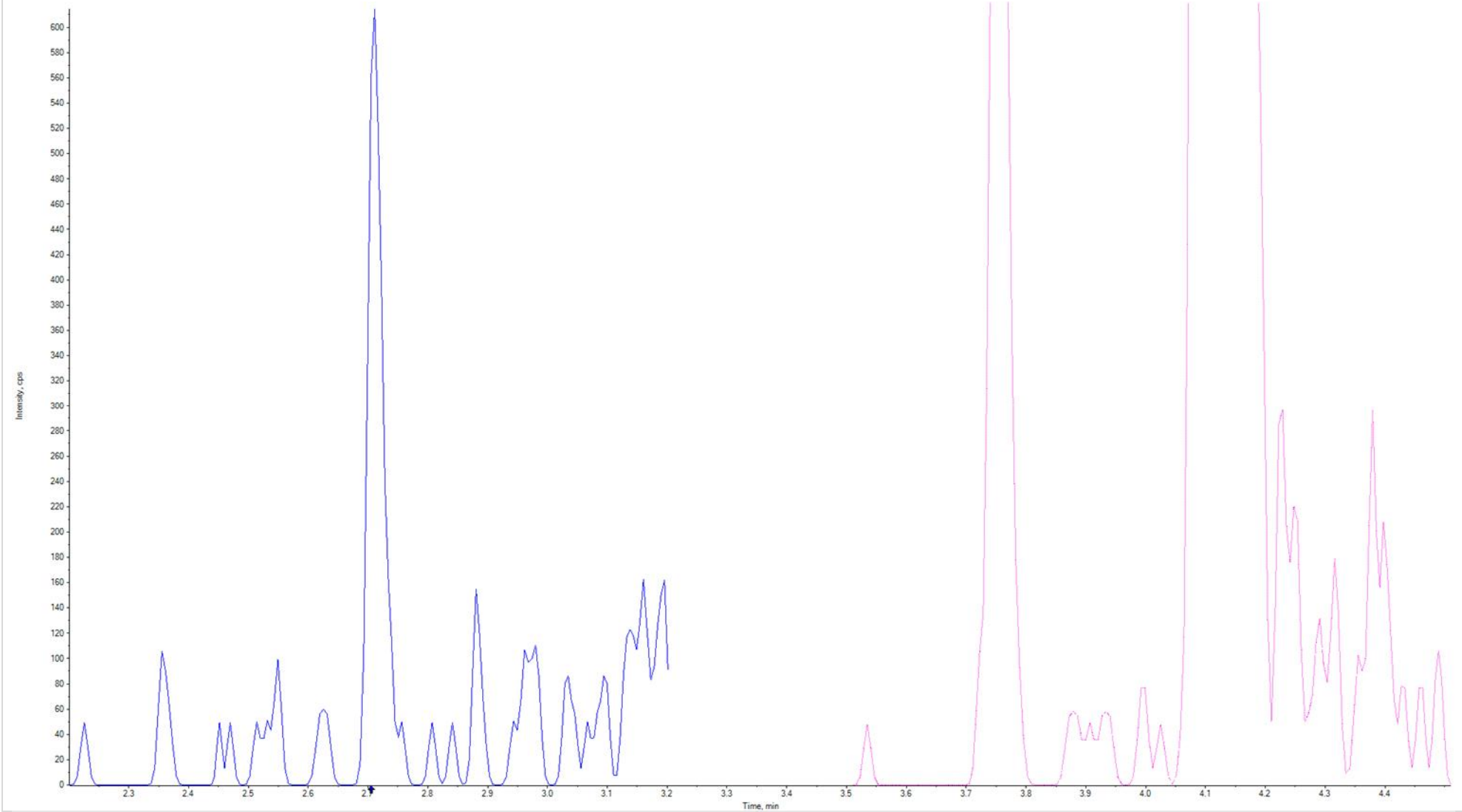
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Alpha Analytical LLC
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TDCA
Sample: IA1633STD-.5 S/N:N/A Points Across peak:N/A



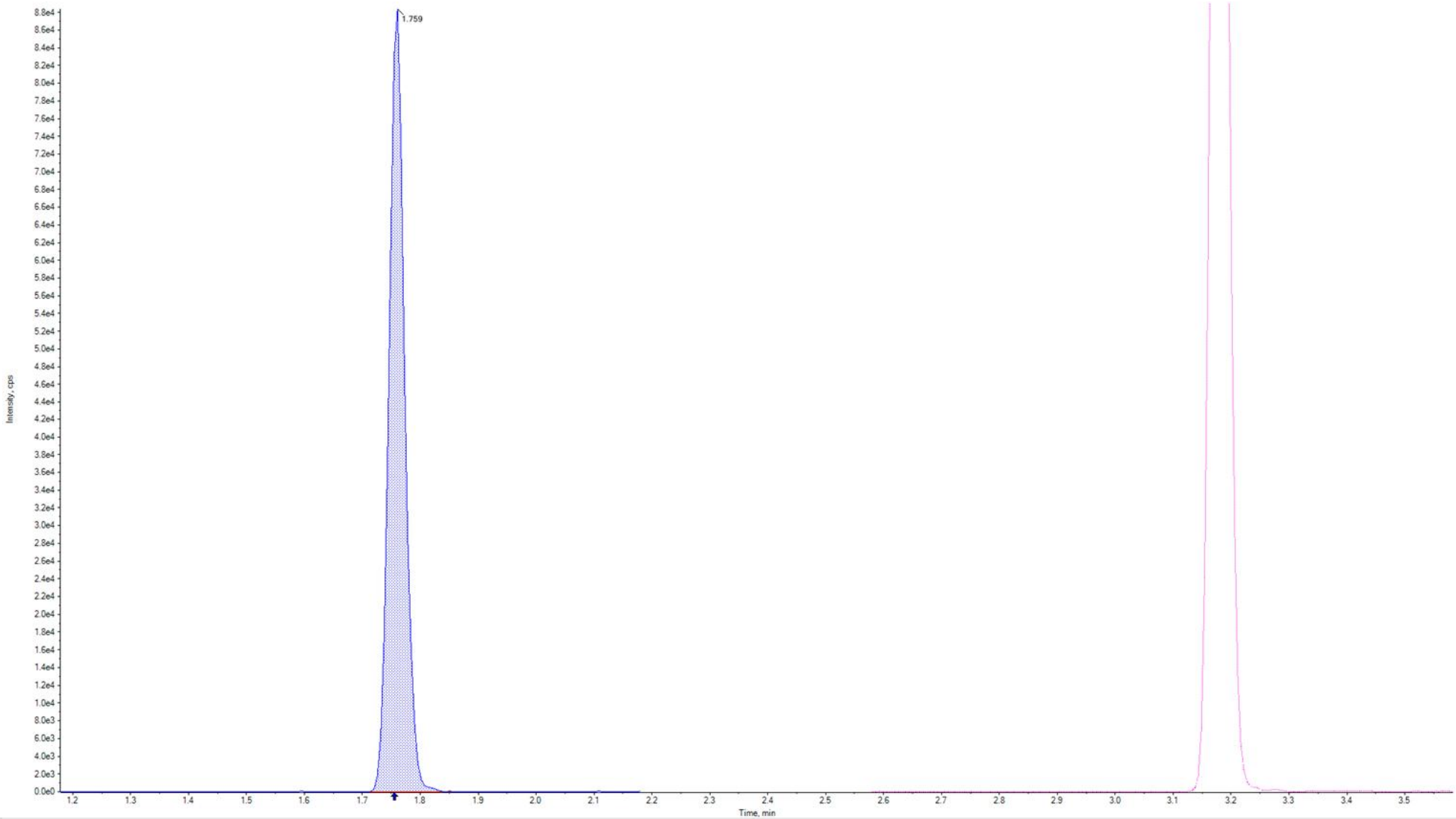
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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TDCA_2
Sample: IA1633STD-.5 S/N:N/A Points Across peak:N/A



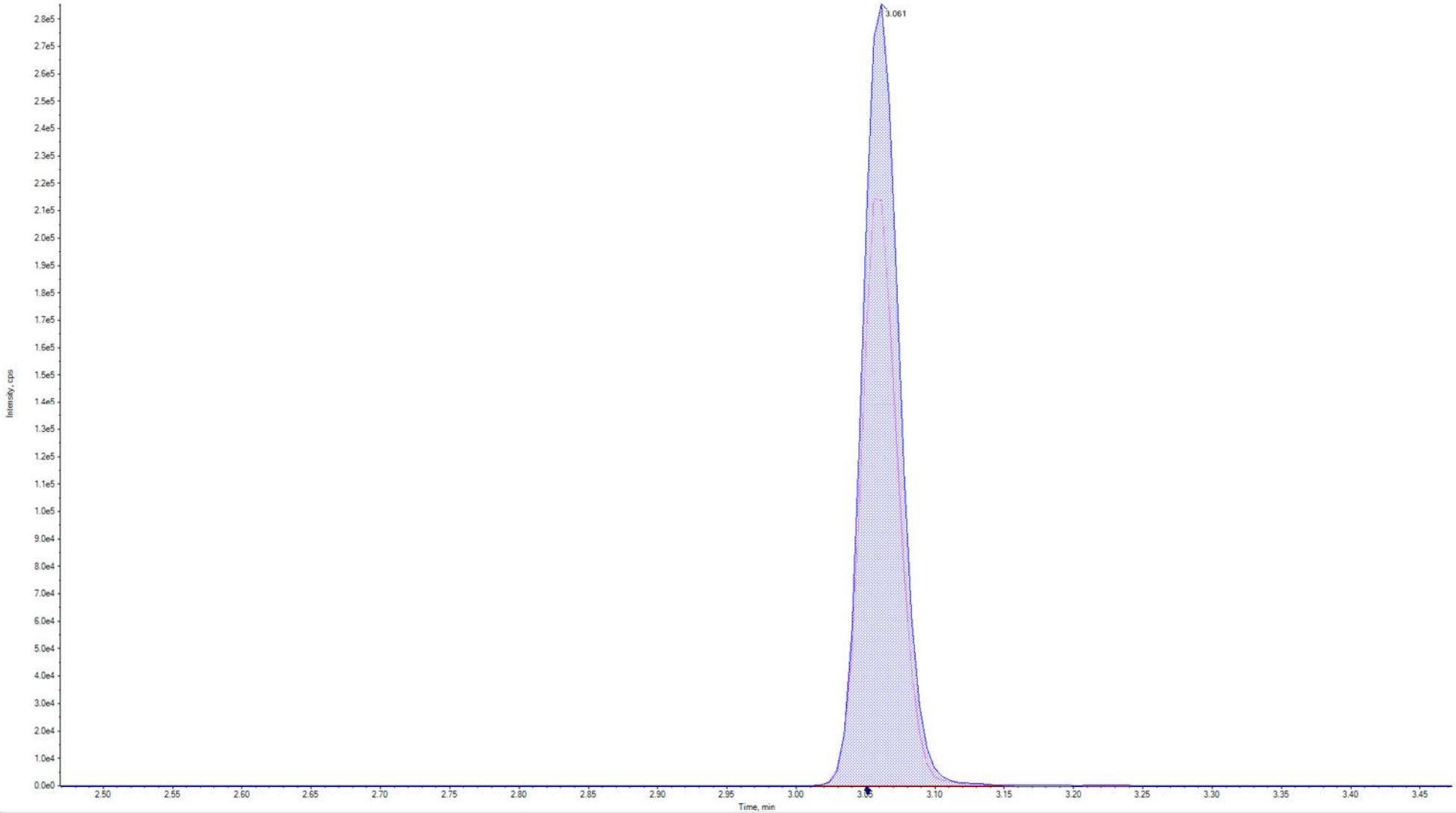
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13C2D4-4:2FTS
Sample: IA1633STD-.5 S/N:3322.1 Points Across peak:42

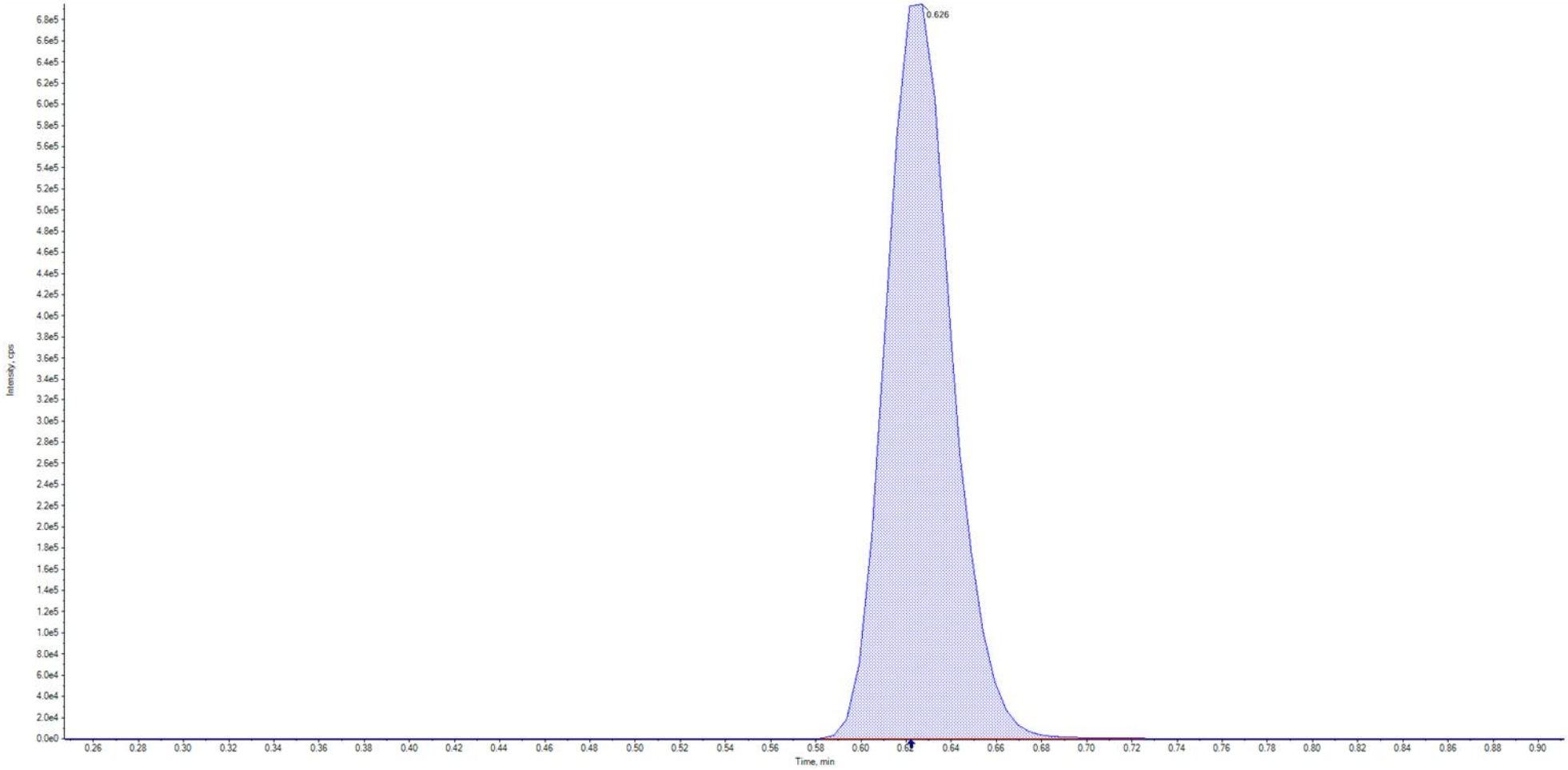


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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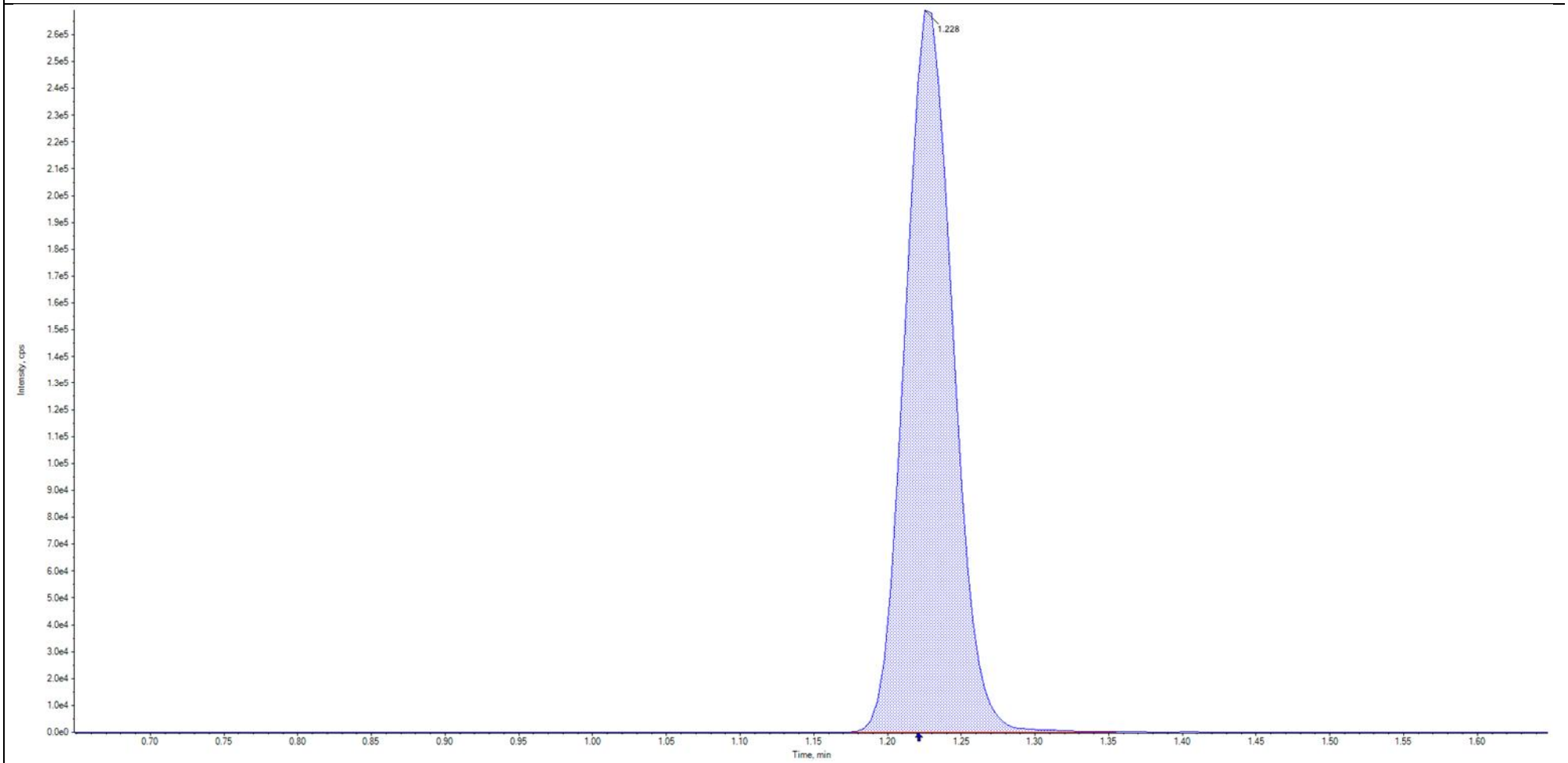
13C2-PFOA
Sample: IA1633STD-.5 S/N:6441.3 Points Across peak:29



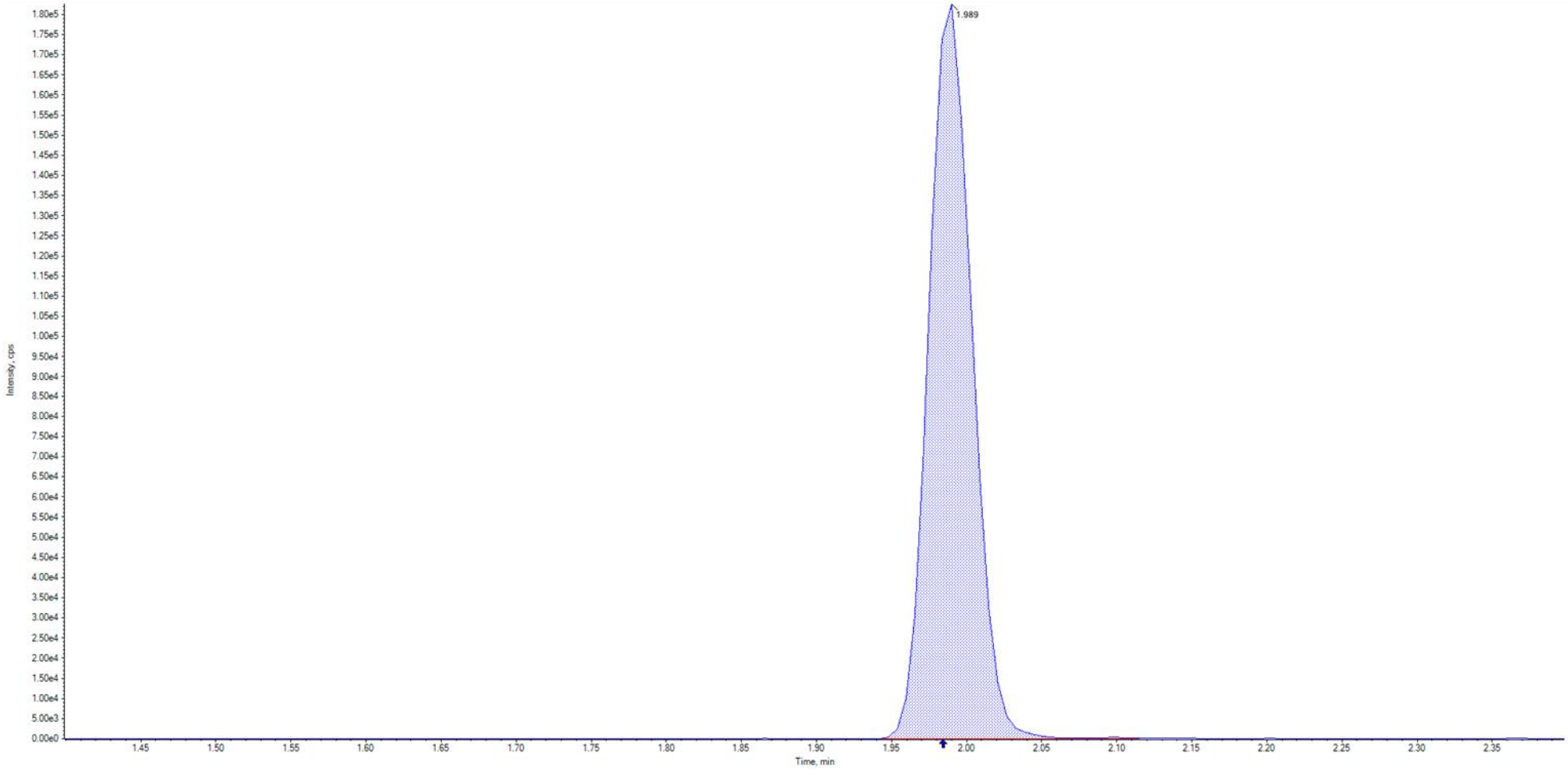
13C4-PFBA
Sample: IA1633STD-.5



13C5-PFPeA
Sample: IA1633STD-.5

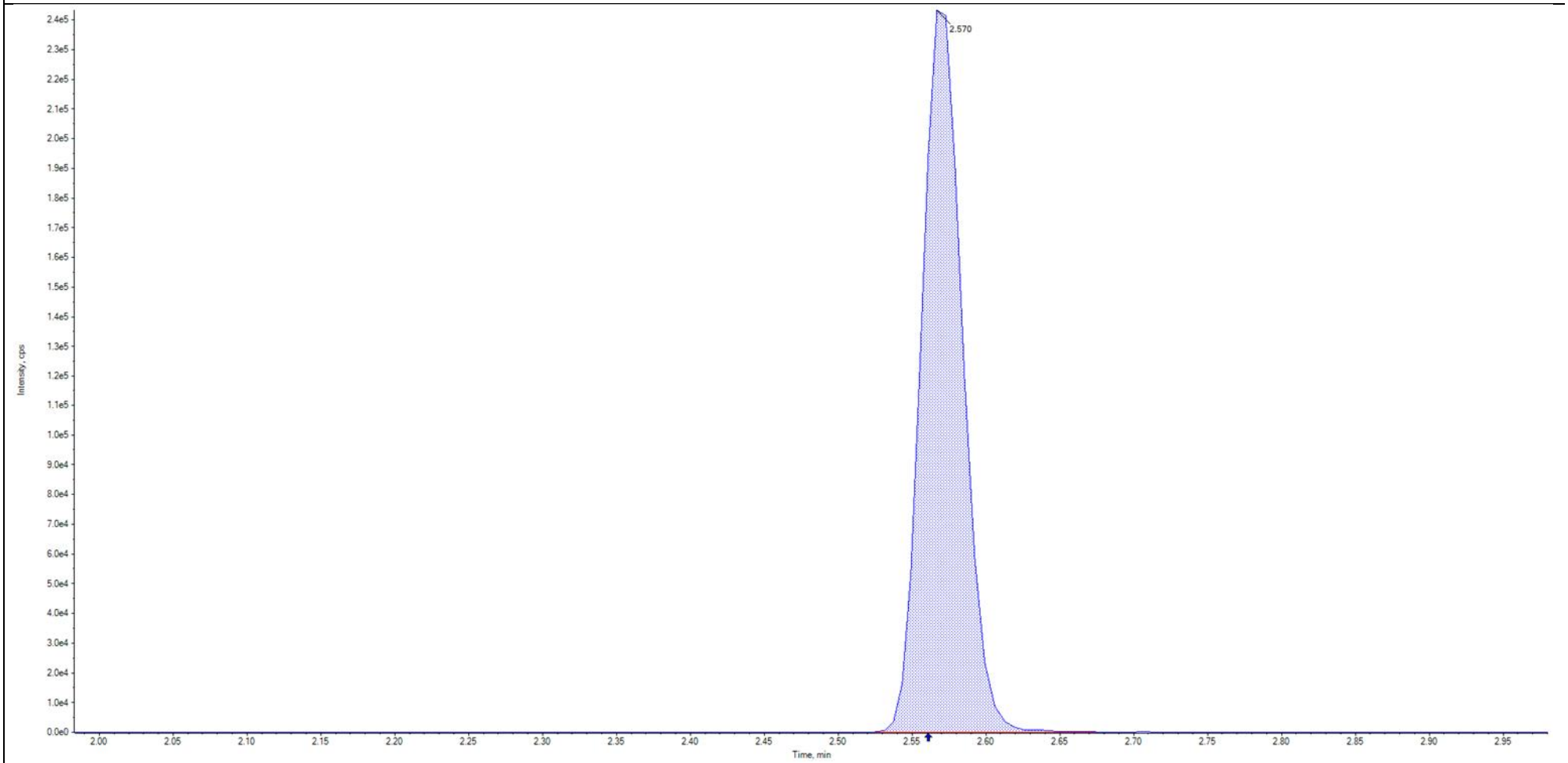


13C5-PFHxA
Sample: IA1633STD-.5

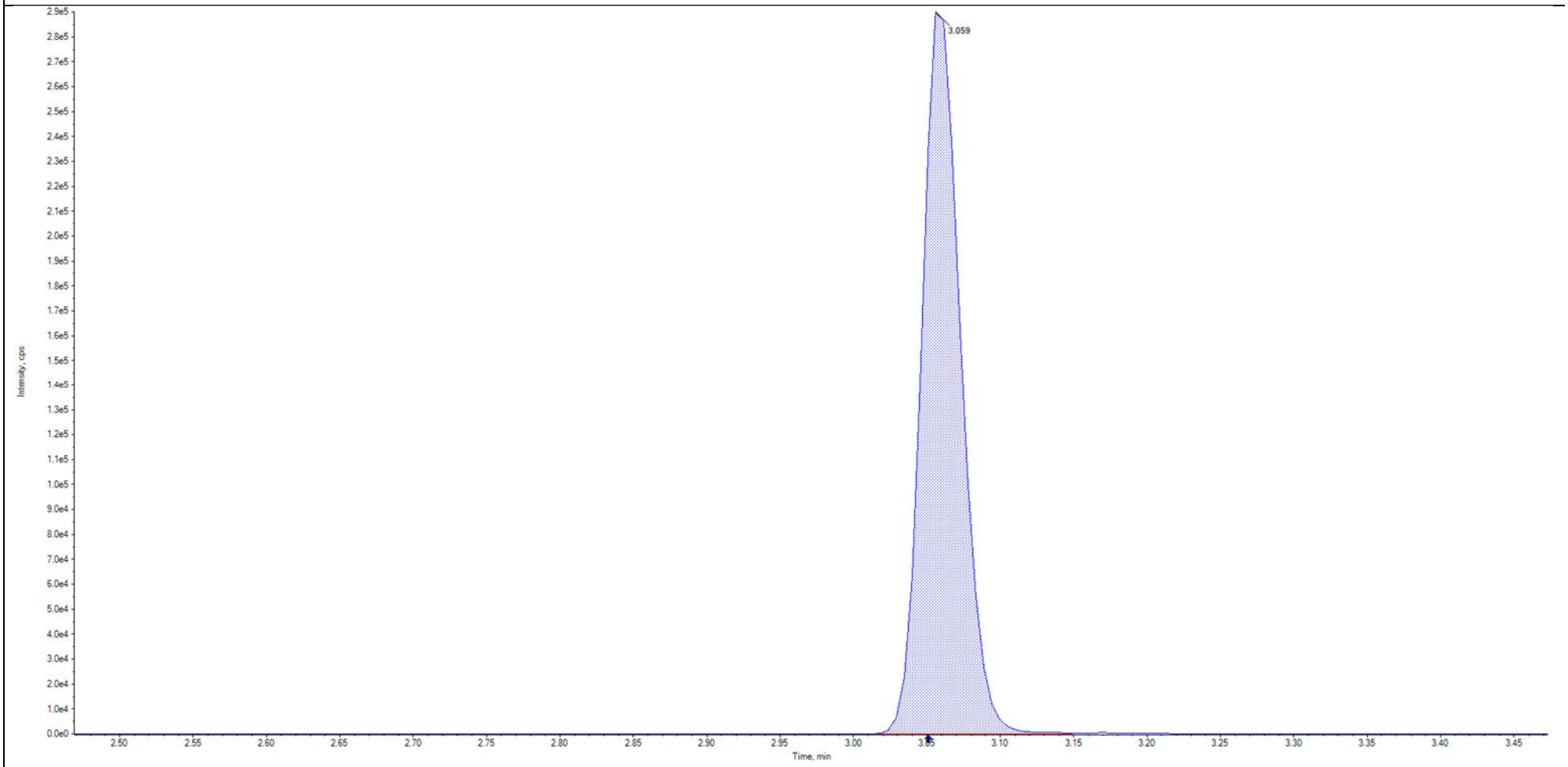


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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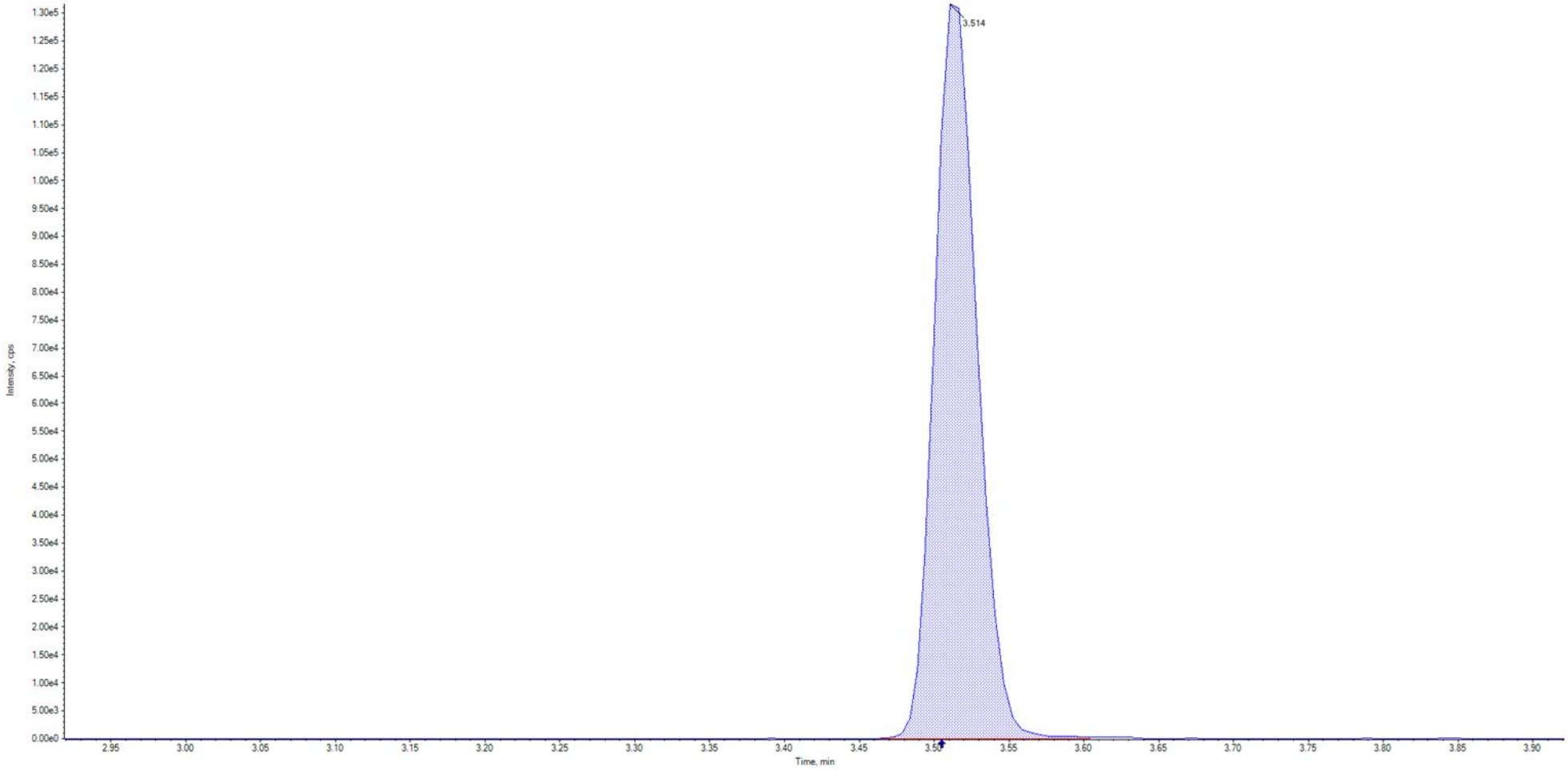
13C4-PFHpA
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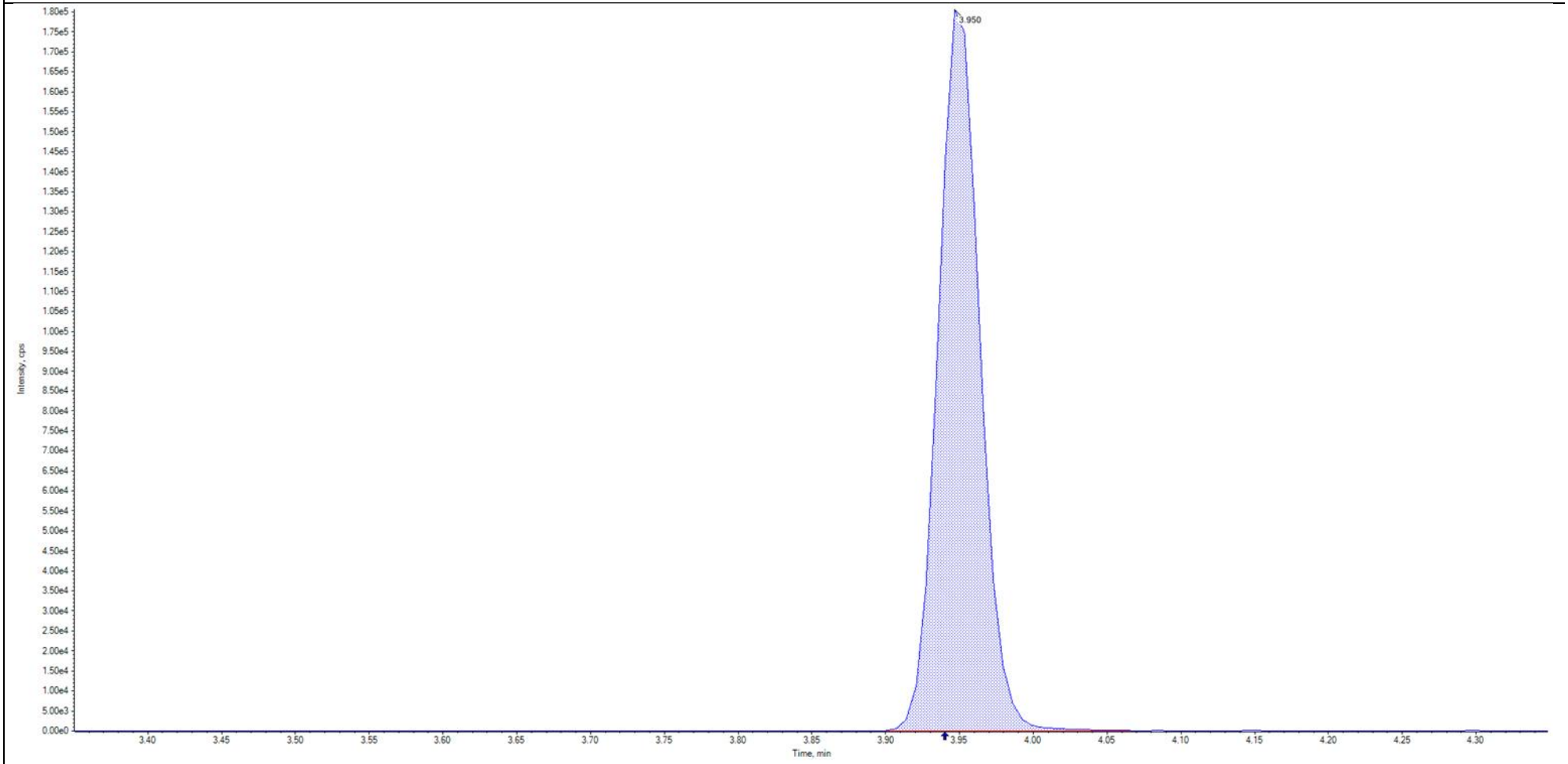
13C8-PFOA
Sample: IA1633STD-.5



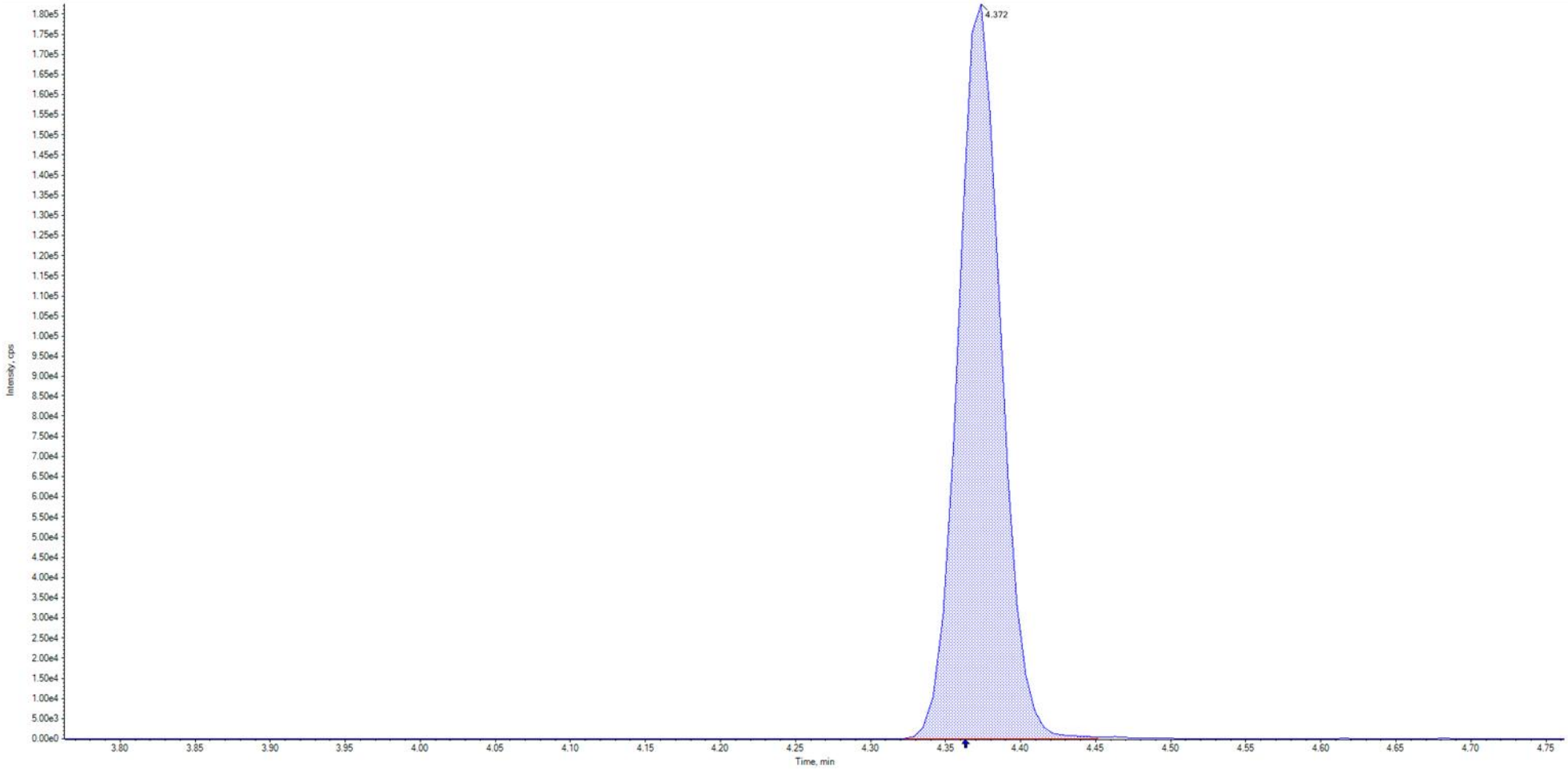
13C9-PFNA
Sample: IA1633STD-.5



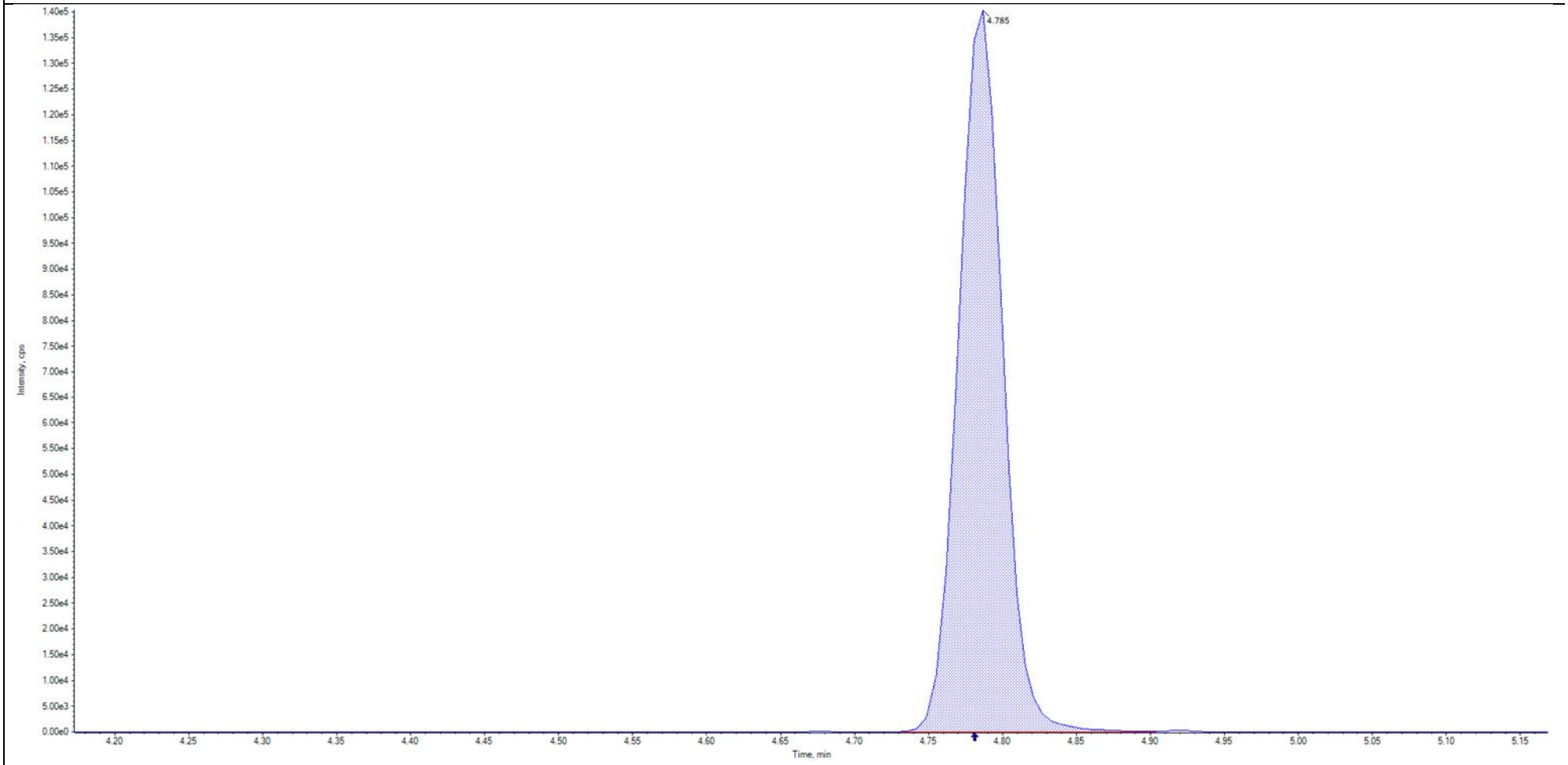
13C6-PFDA
Sample: IA1633STD-.5



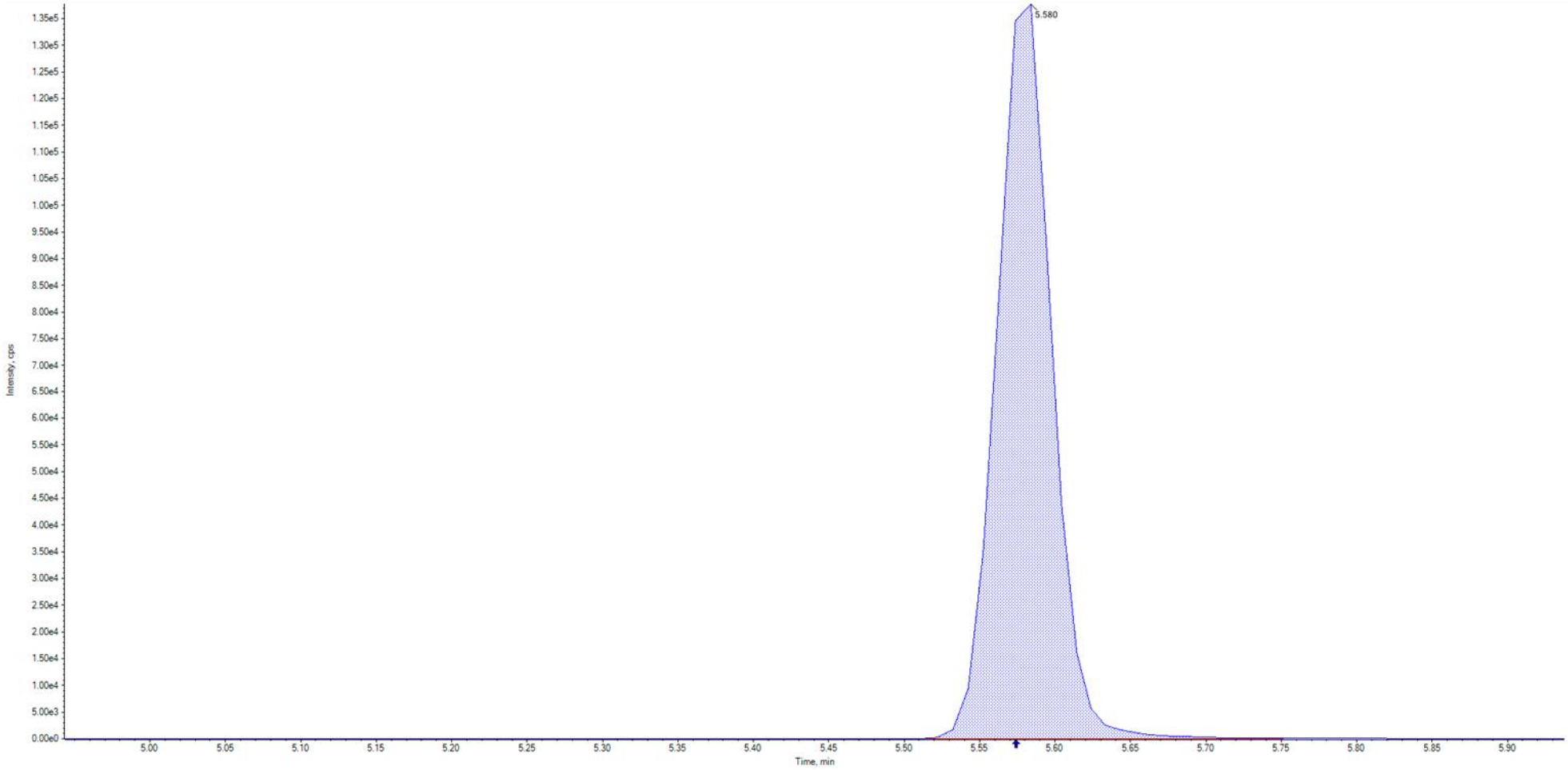
13C7-PFUnA
Sample: IA1633STD-.5



13C2-PFDoA
Sample: IA1633STD-.5

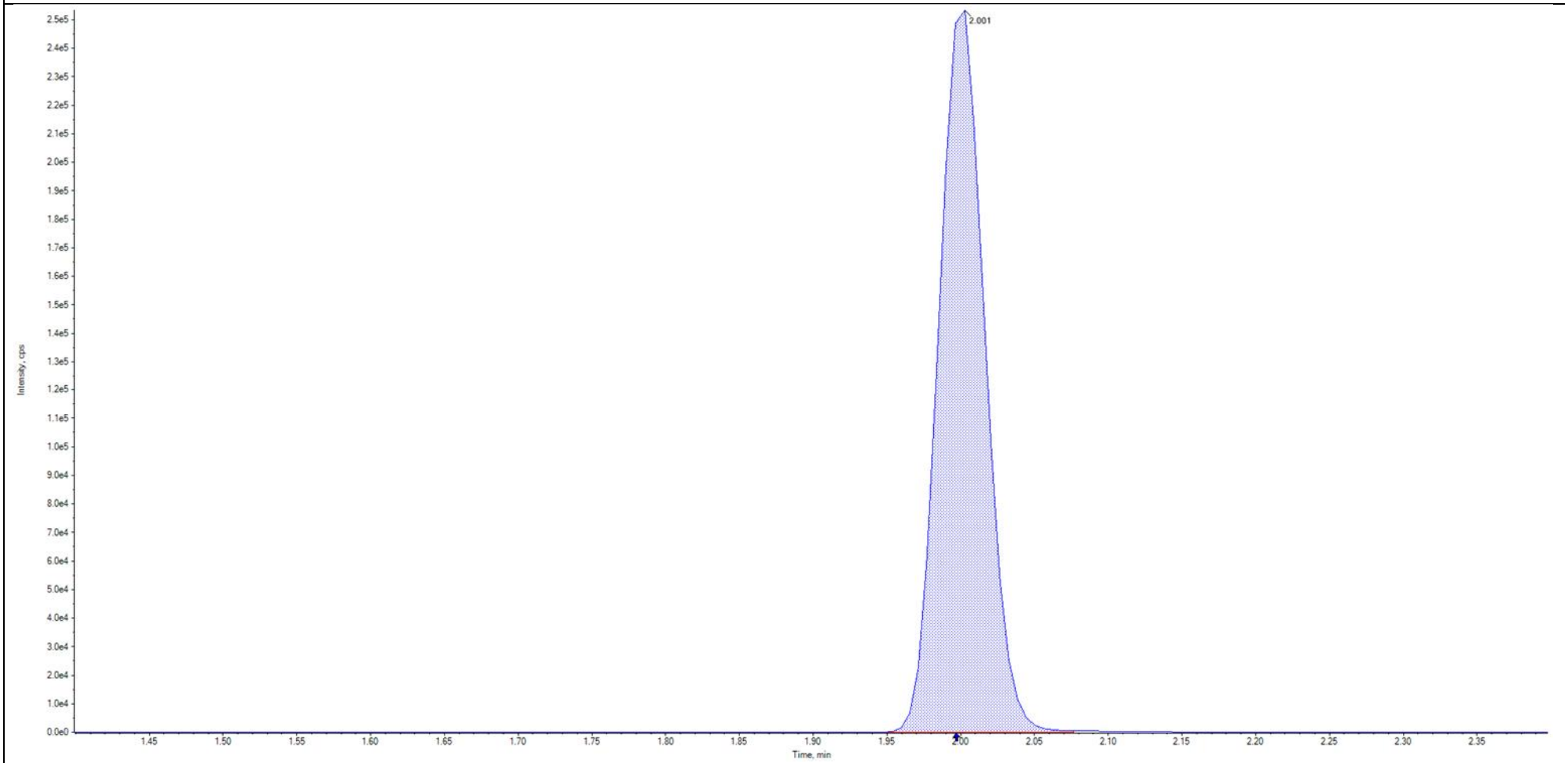


13C2-PFTeDA
Sample: IA1633STD-.5

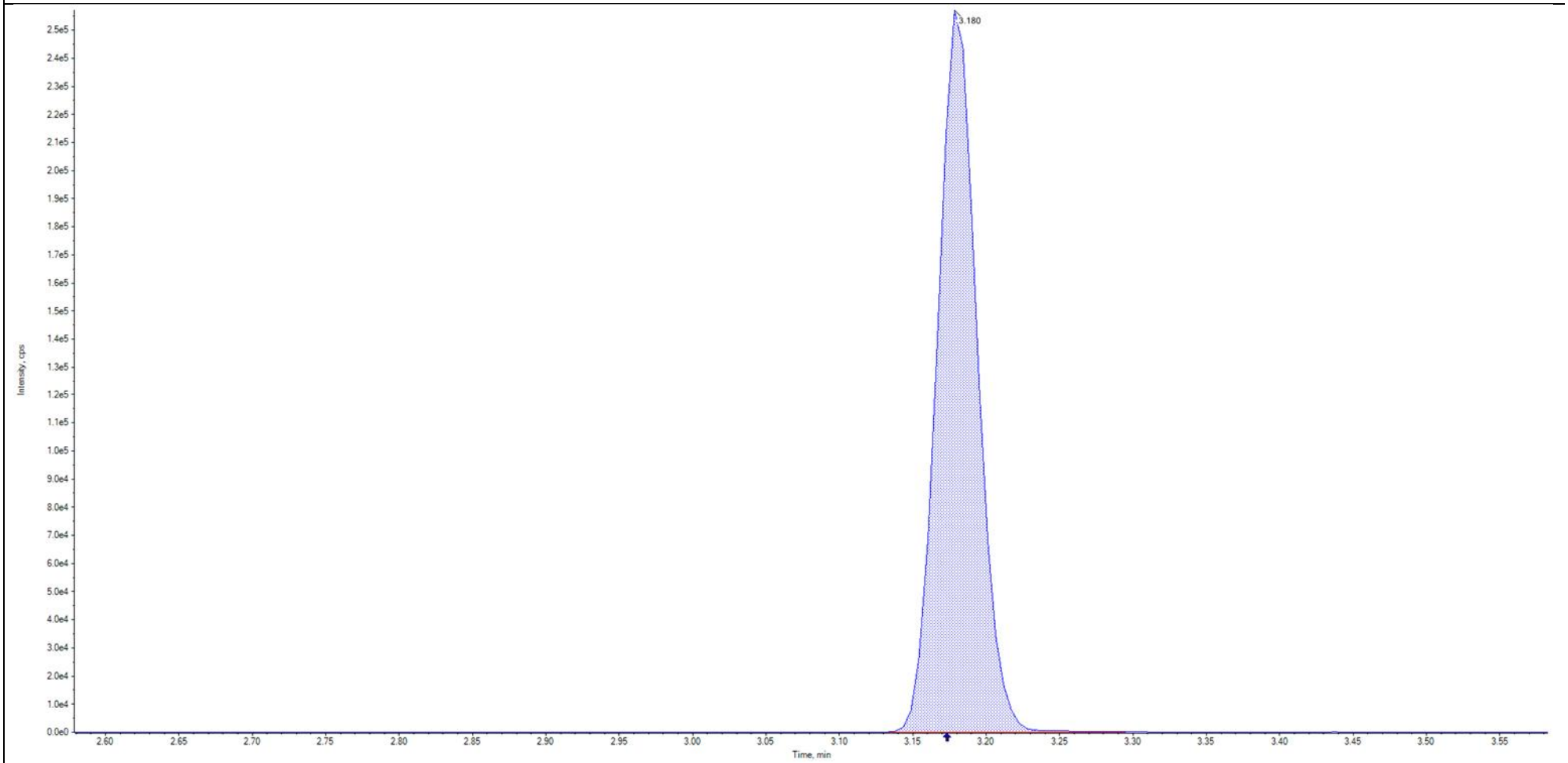


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13C3-PFBS
Sample: IA1633STD-.5

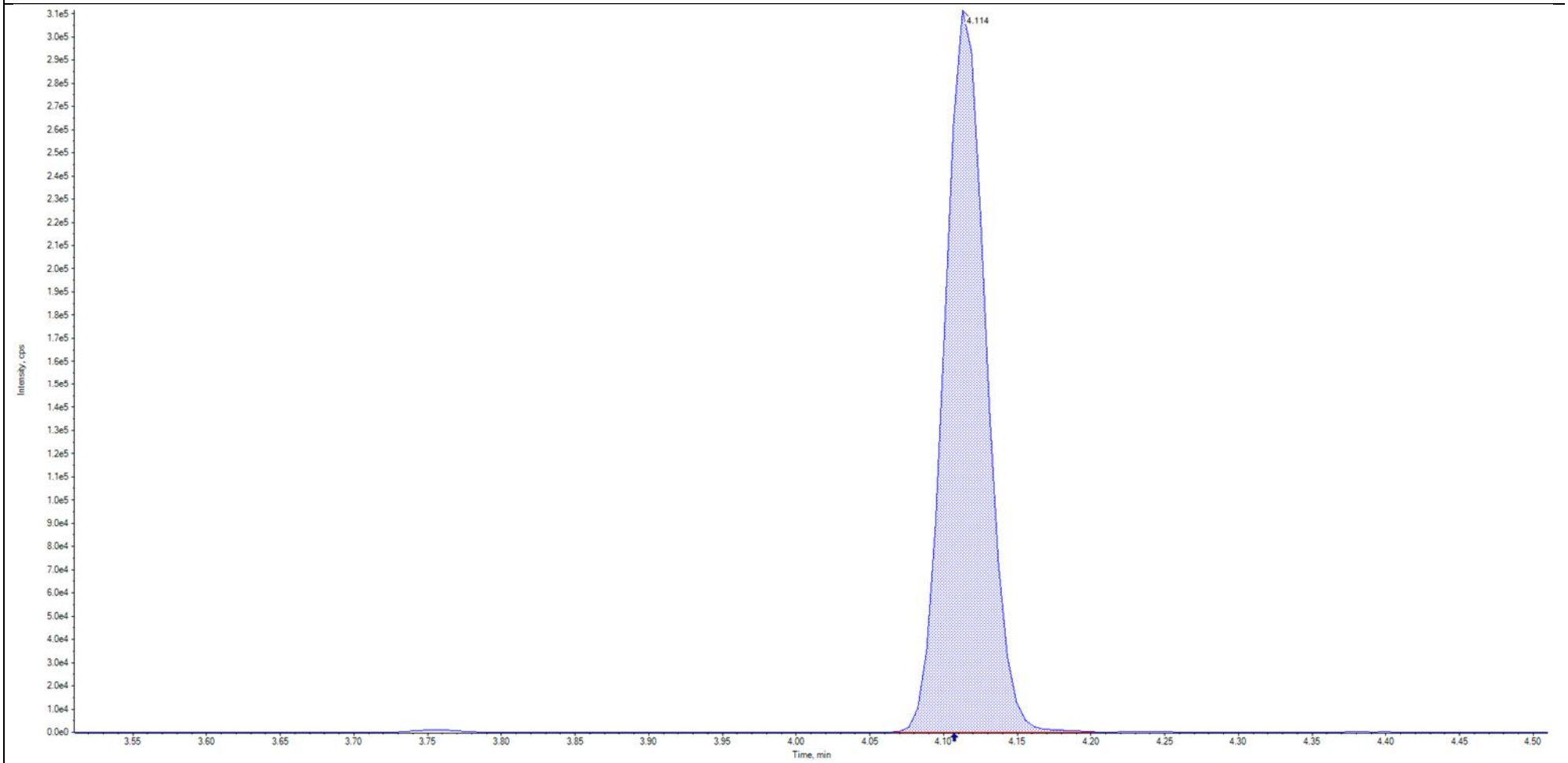


13C3-PFHxS
Sample: IA1633STD-.5

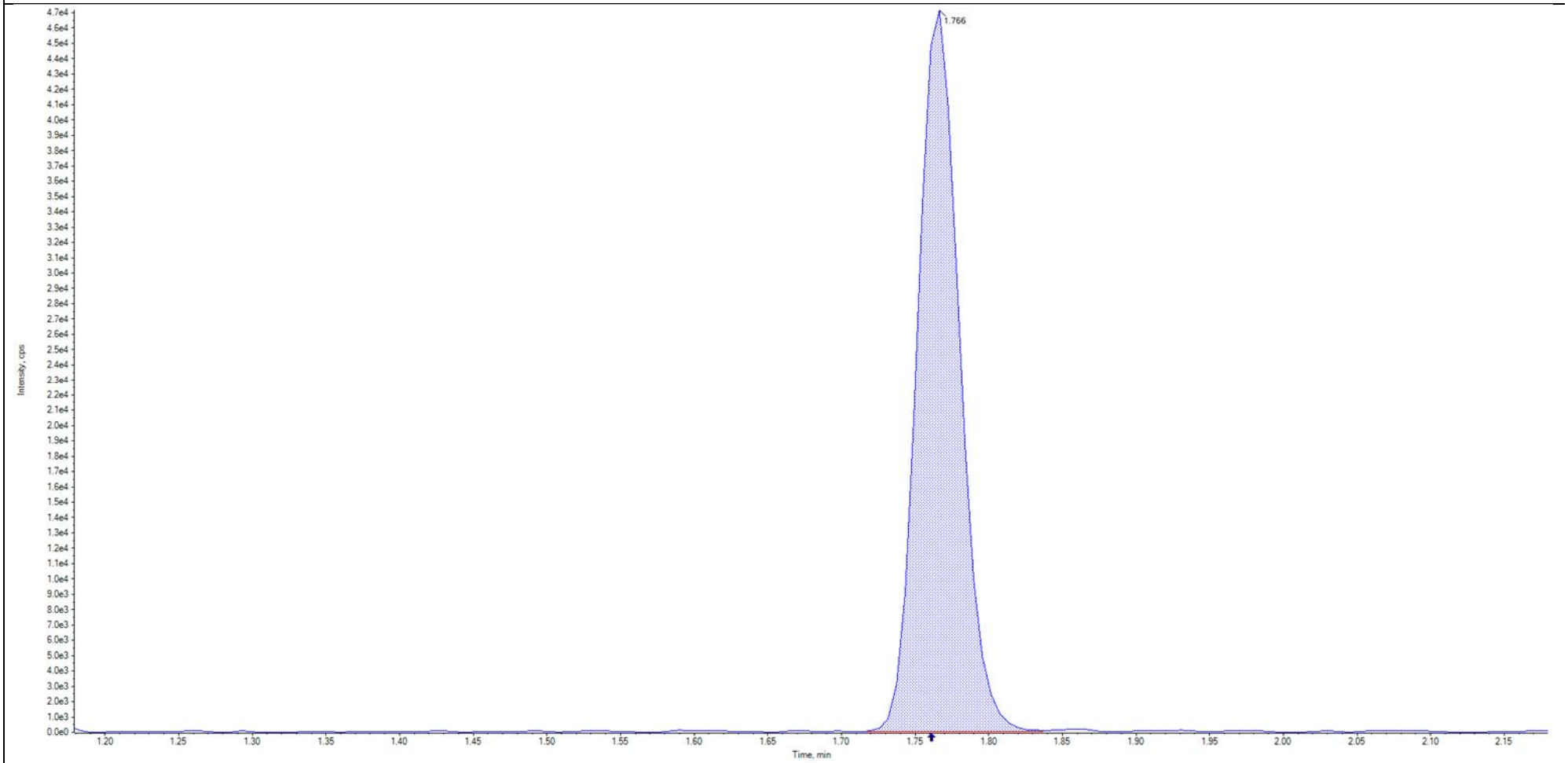


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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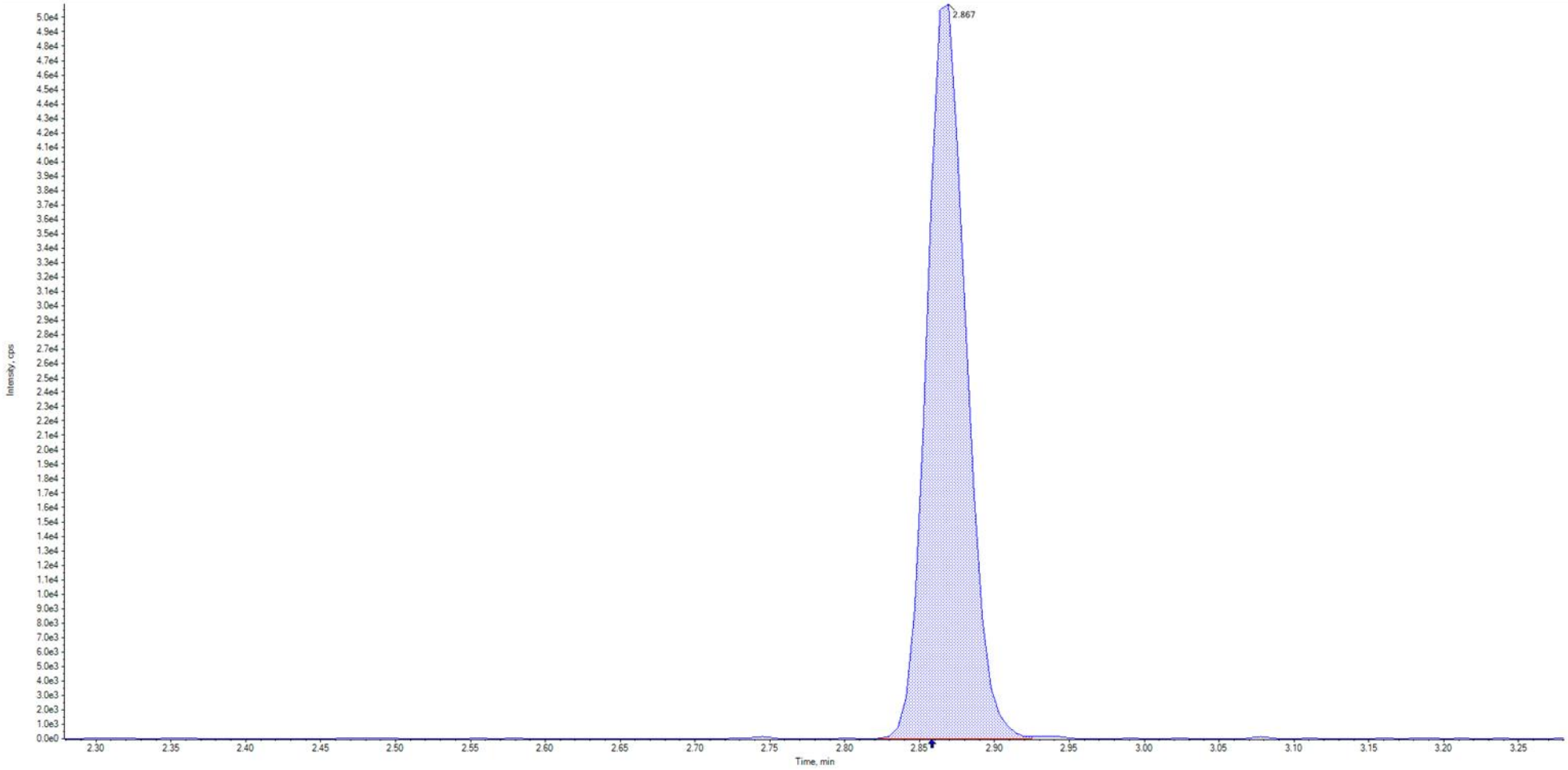
13C8-PFOS
Sample: IA1633STD-.5



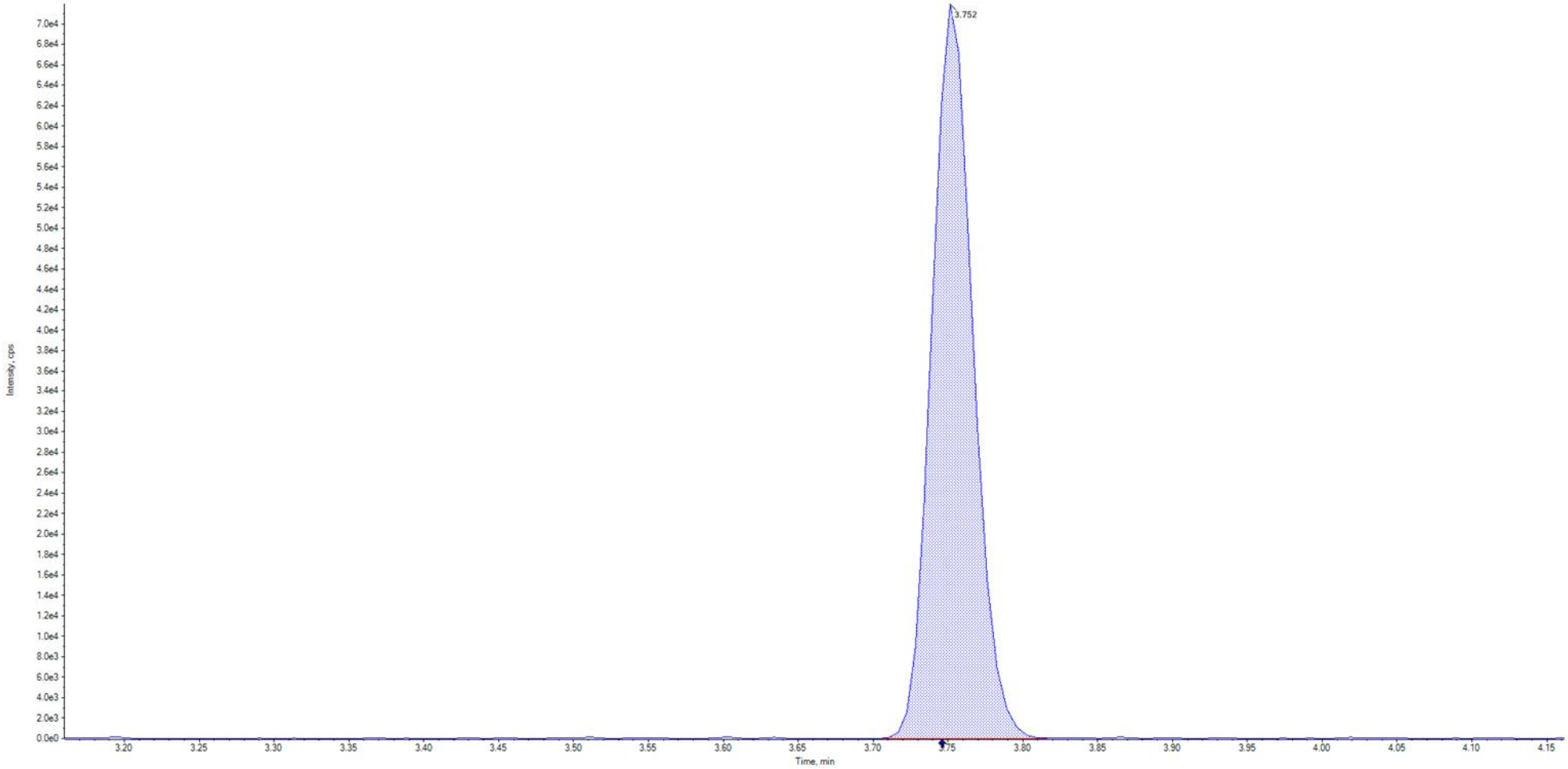
13C2-4:2FTS
Sample: IA1633STD-.5



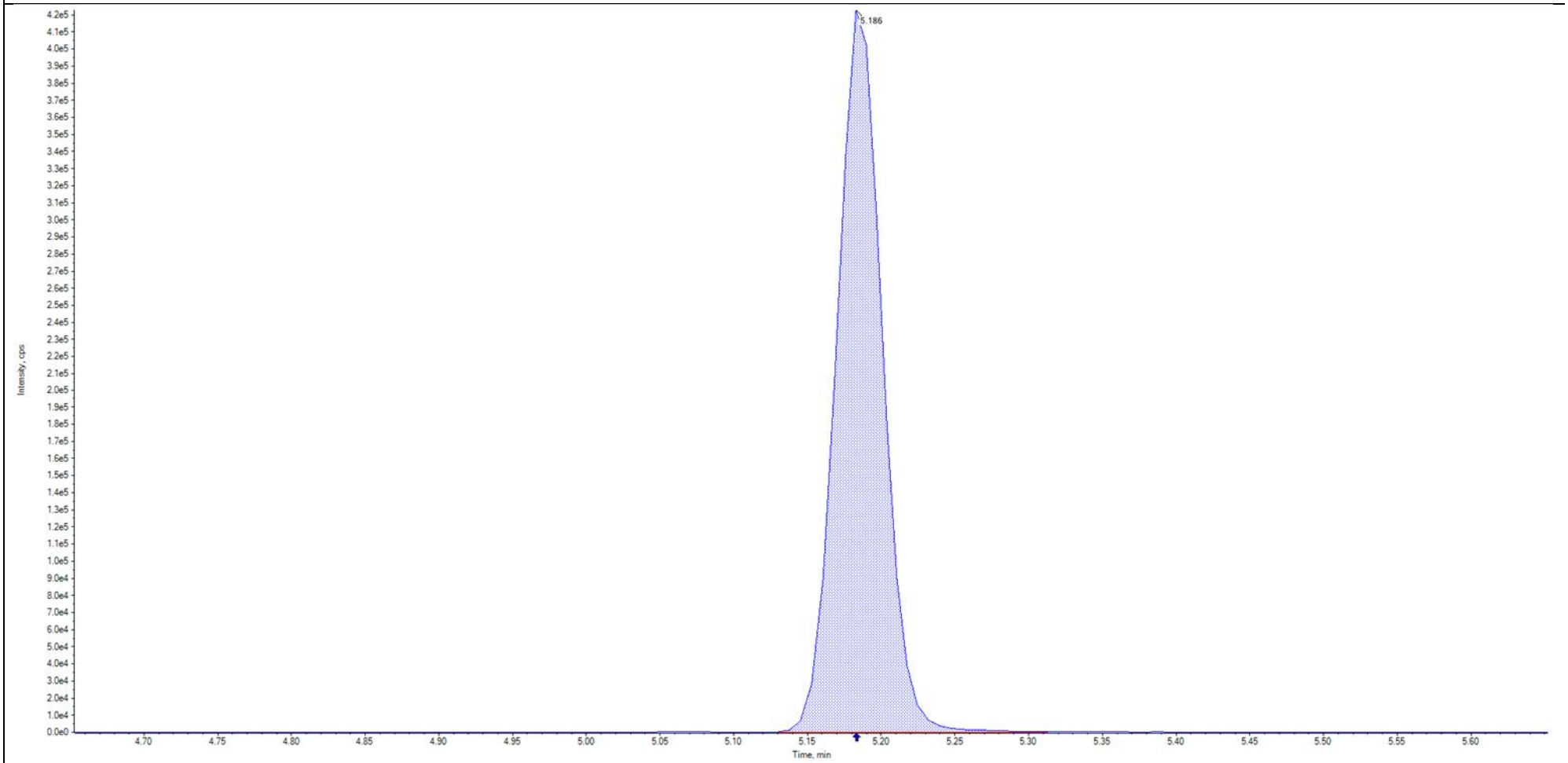
13C2-6:2FTS
Sample: IA1633STD-.5



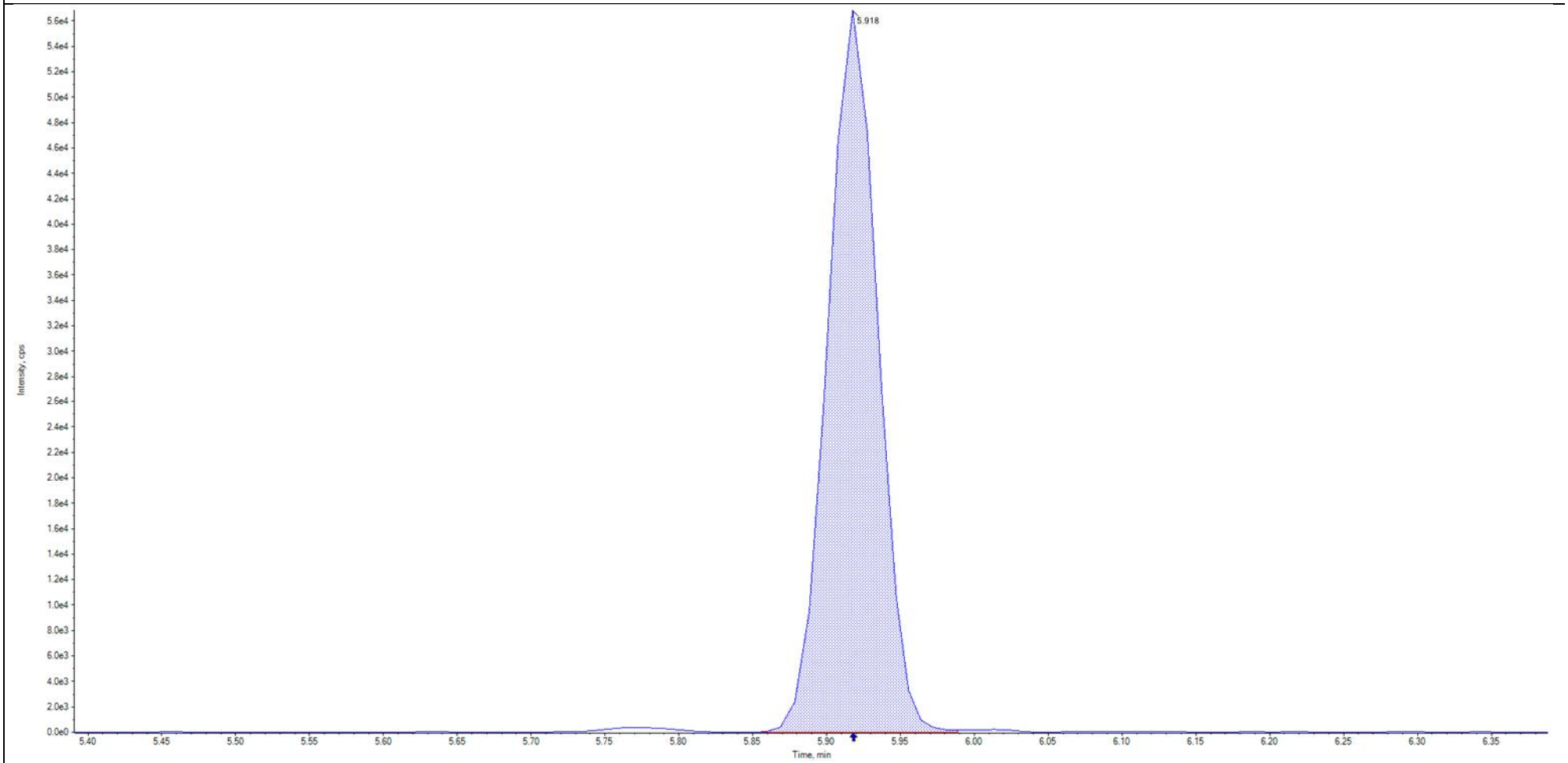
13C2-8:2FTS
Sample: IA1633STD-.5



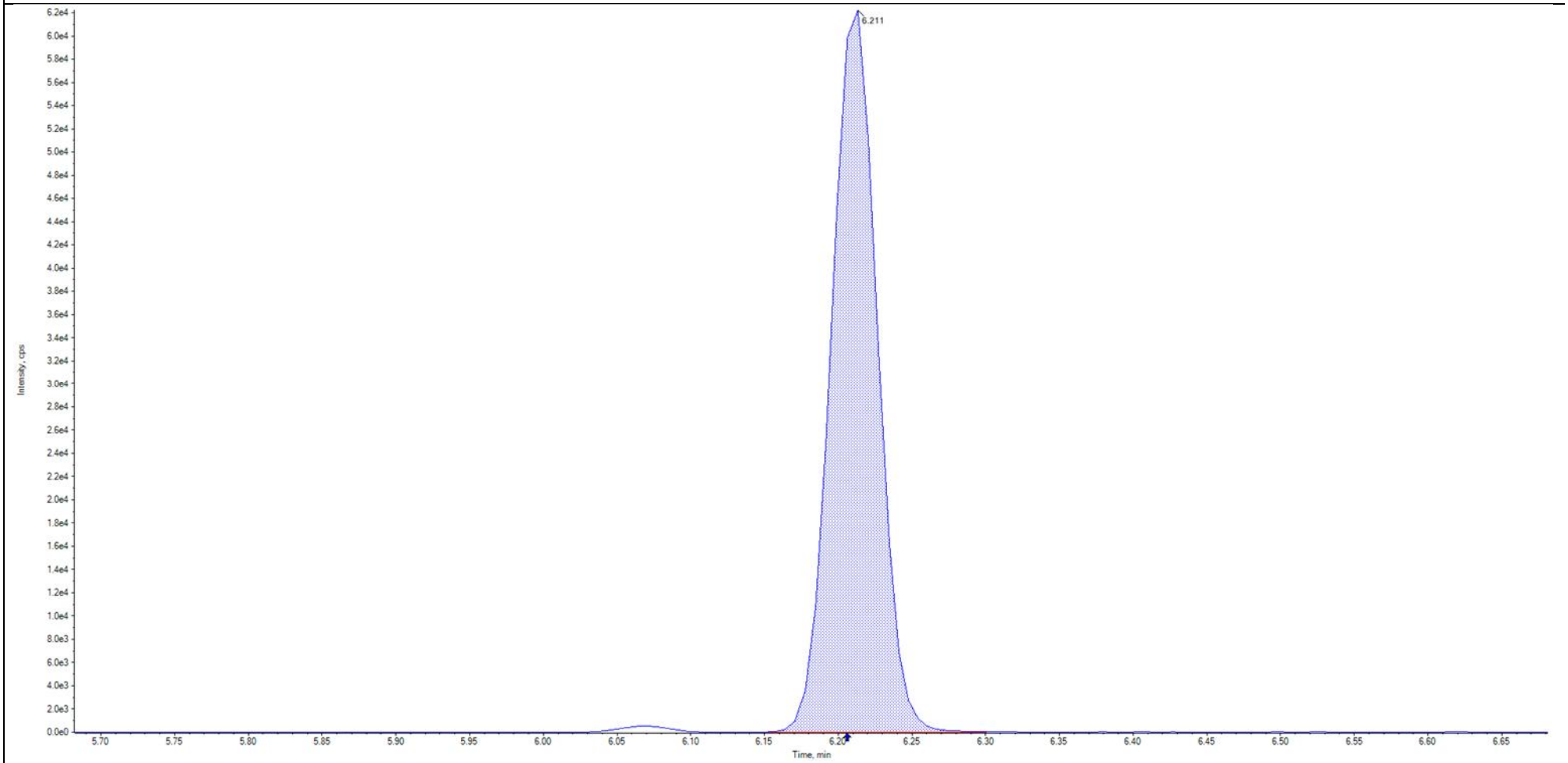
13C8-PFOSA
Sample: IA1633STD-.5



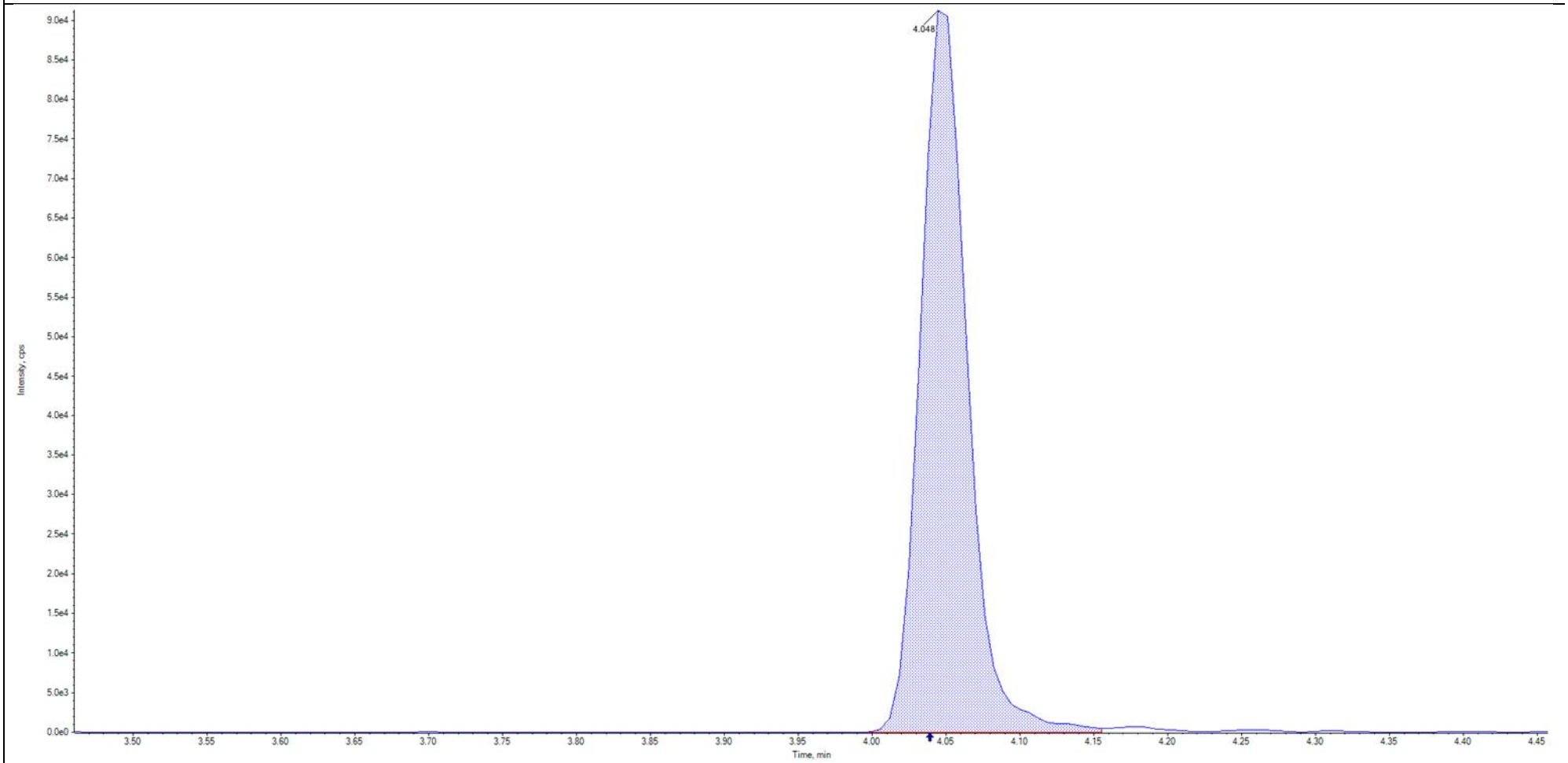
d3-NMeFOSA
Sample: IA1633STD-.5



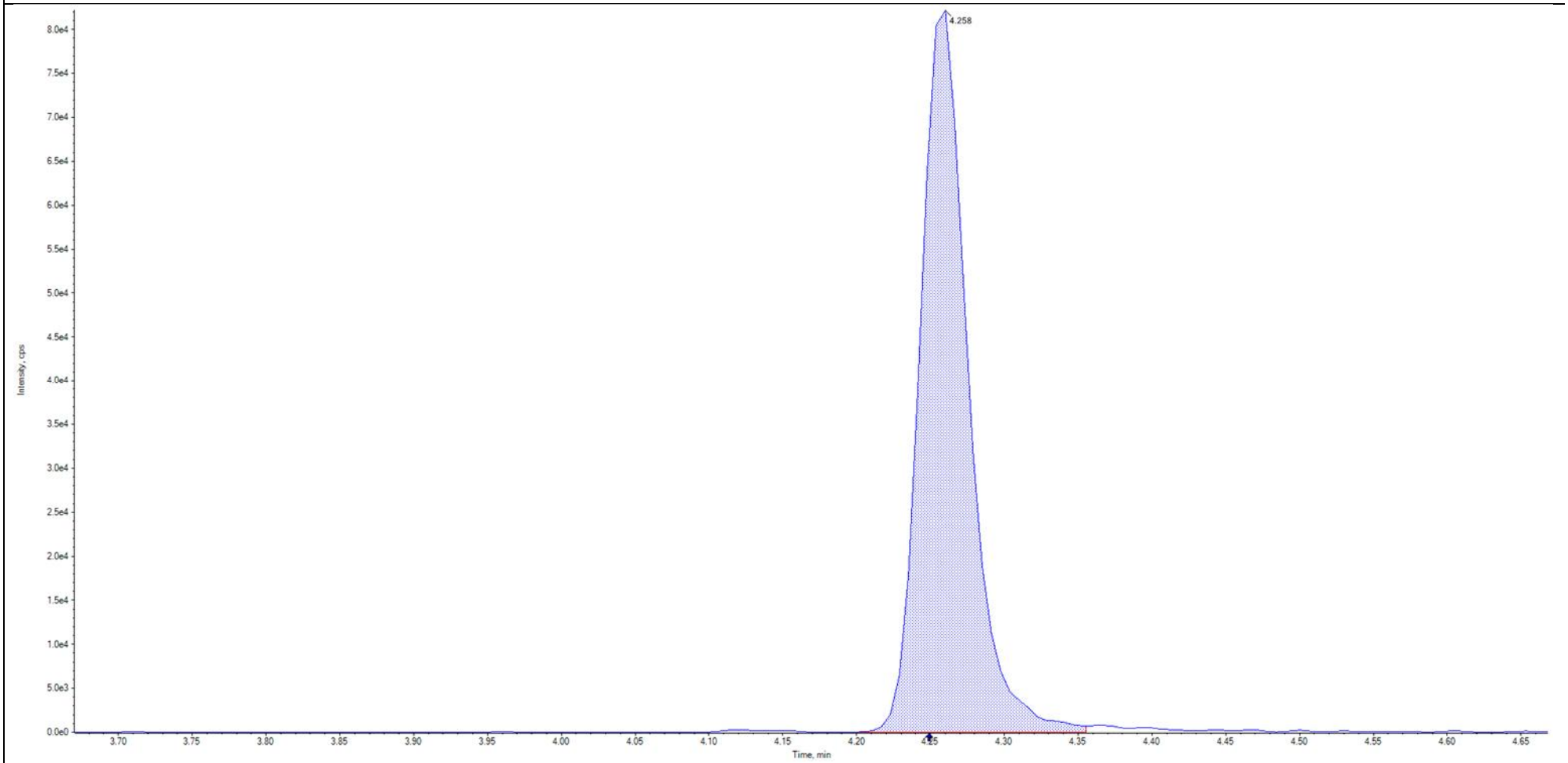
d5-NEtFOSA
Sample: IA1633STD-.5



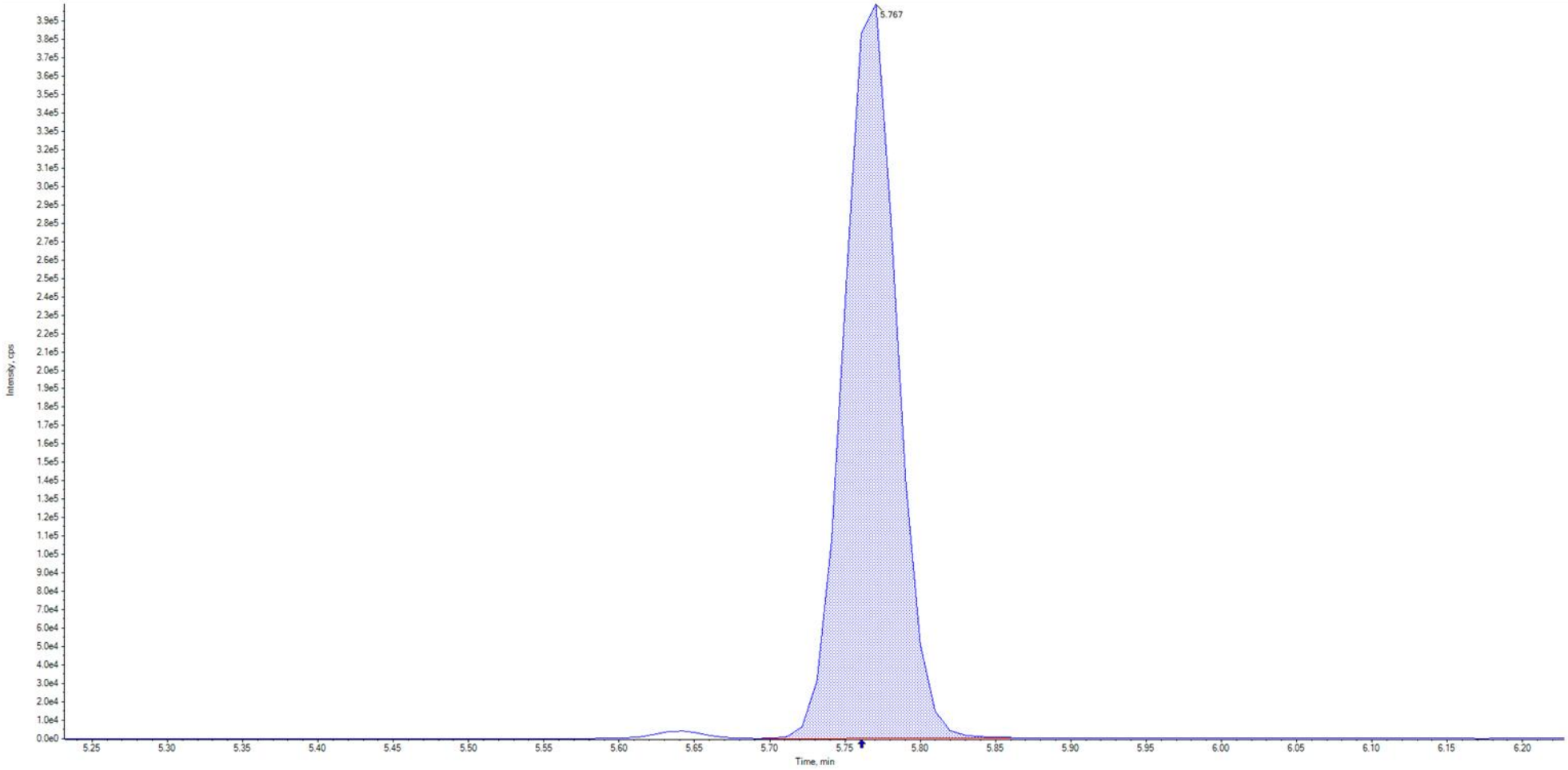
d3-NMeFOSAA
Sample: IA1633STD-.5



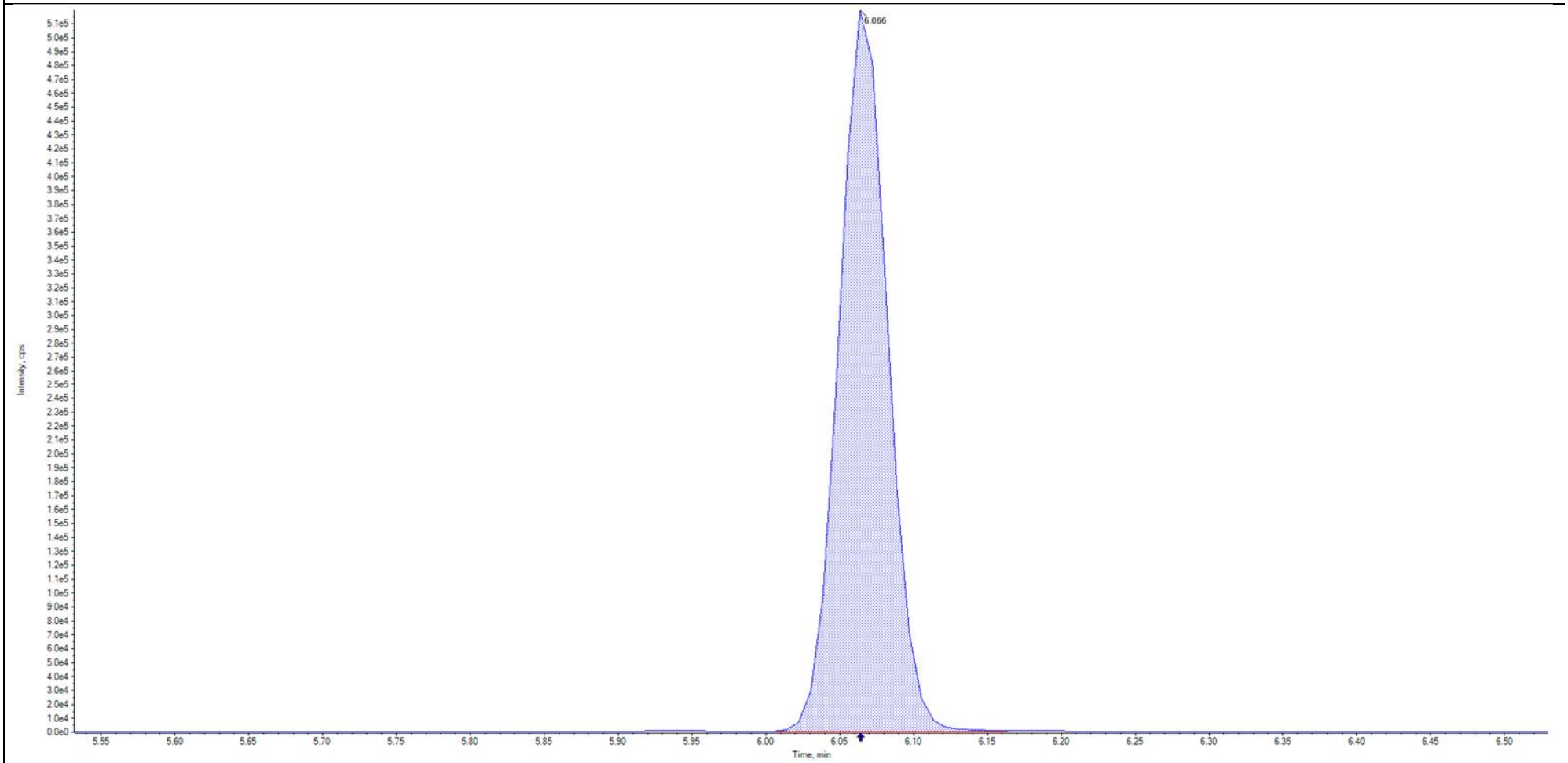
d5-NEtFOSAA
Sample: IA1633STD-.5



d7-NMeFOSE
Sample: IA1633STD-.5

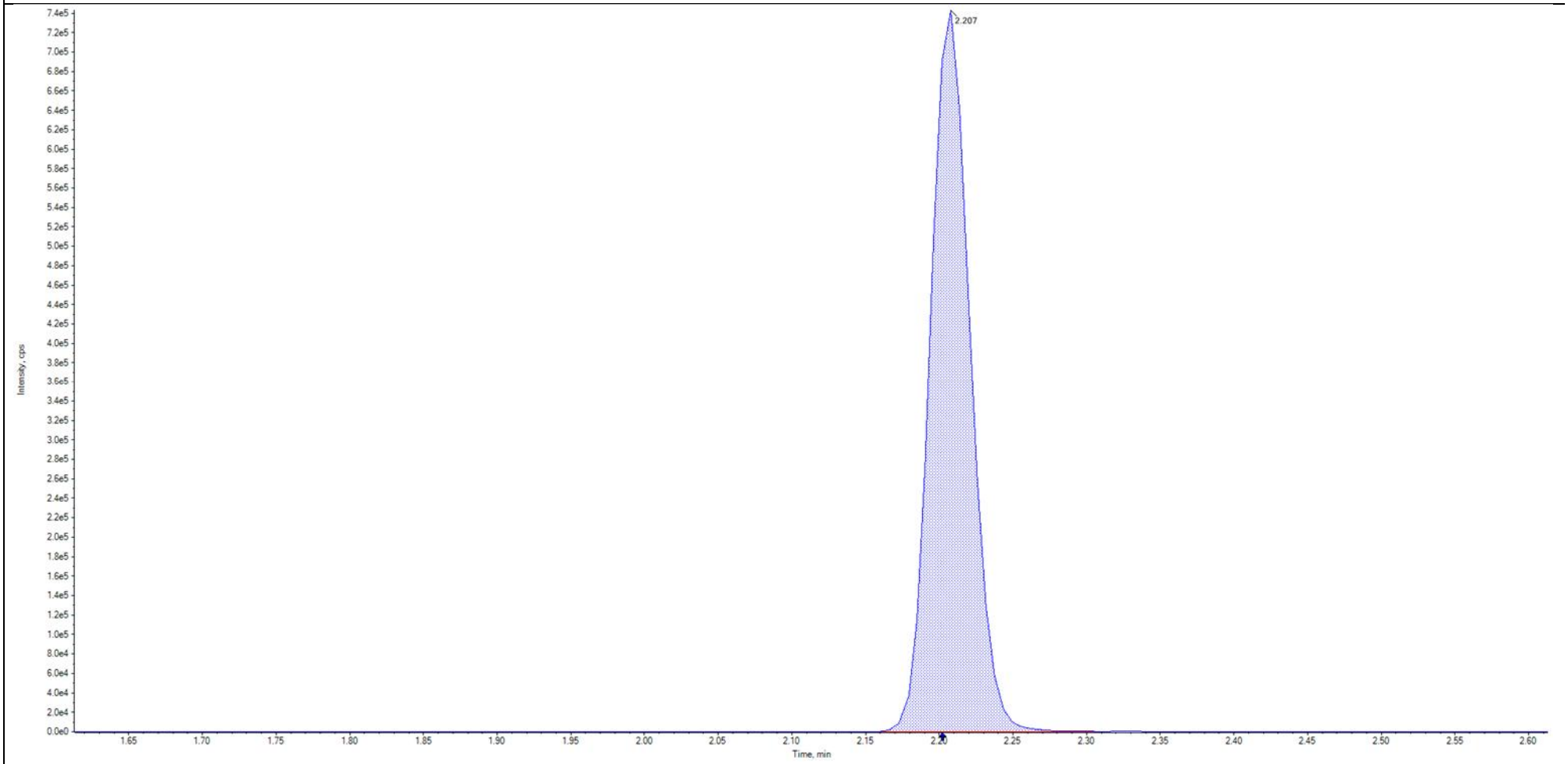


d9-NEtFOSE
Sample: IA1633STD-.5

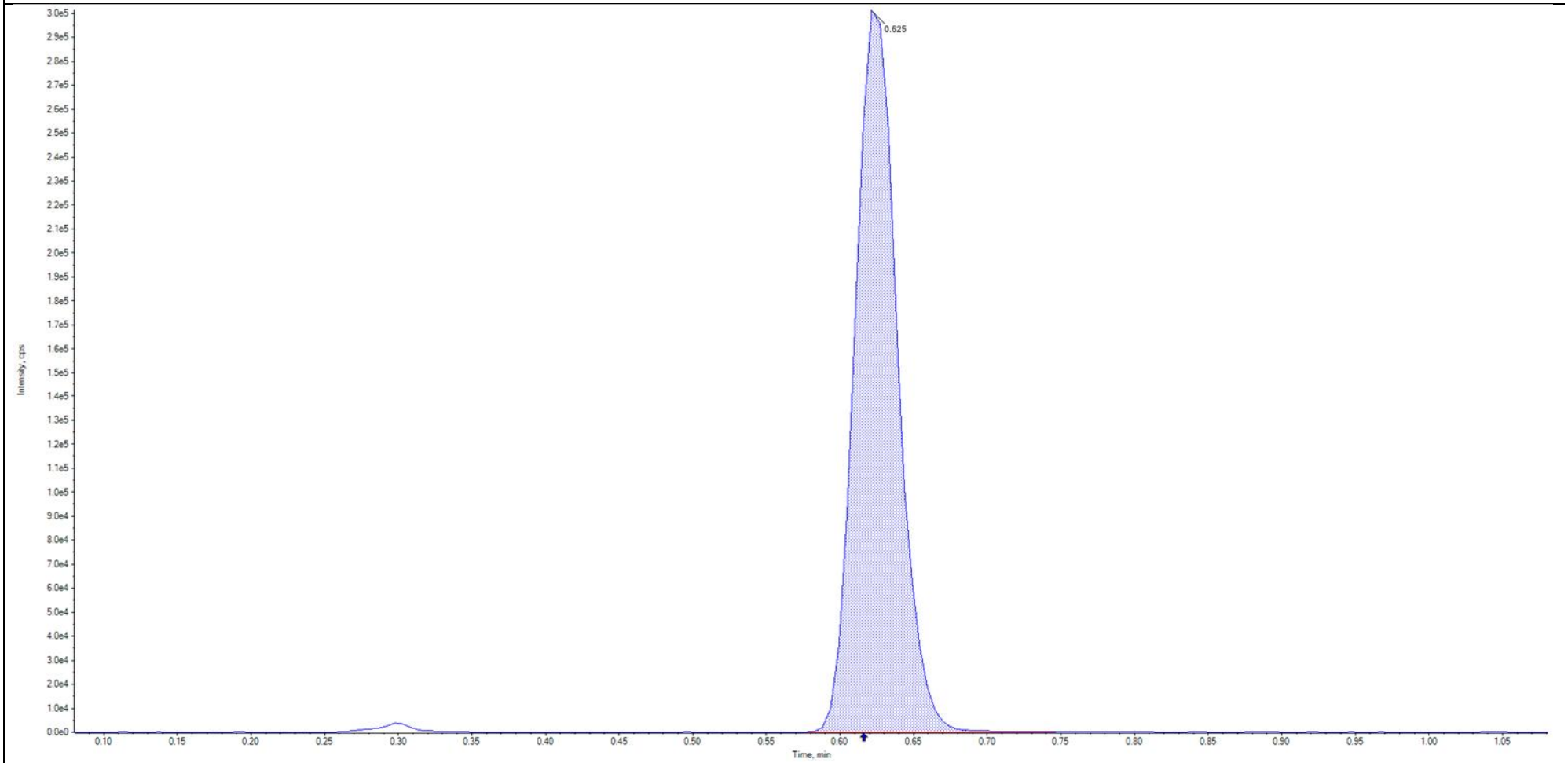


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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13C3-HFPO-DA
Sample: IA1633STD-.5

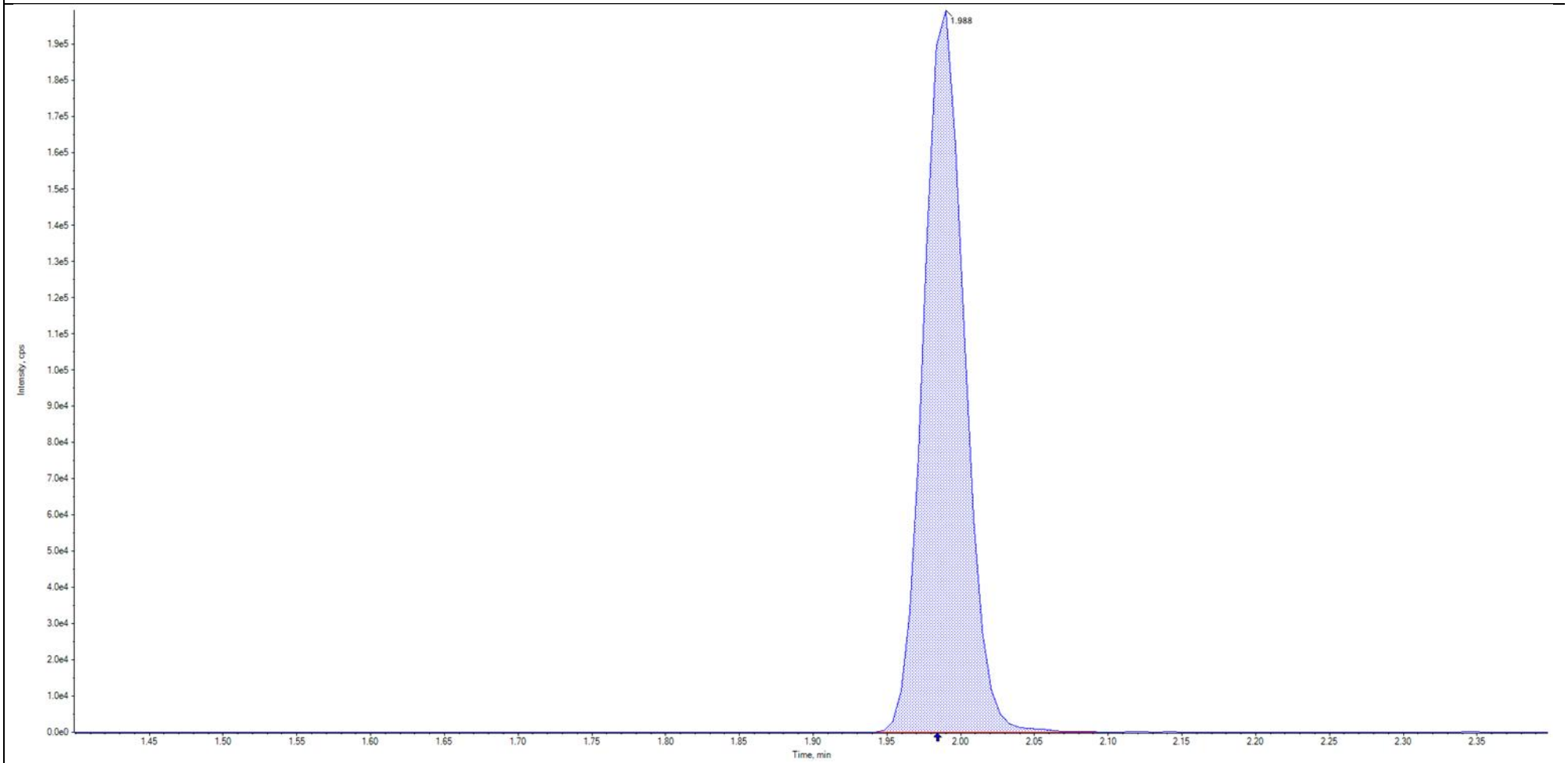


13C3-PFBA
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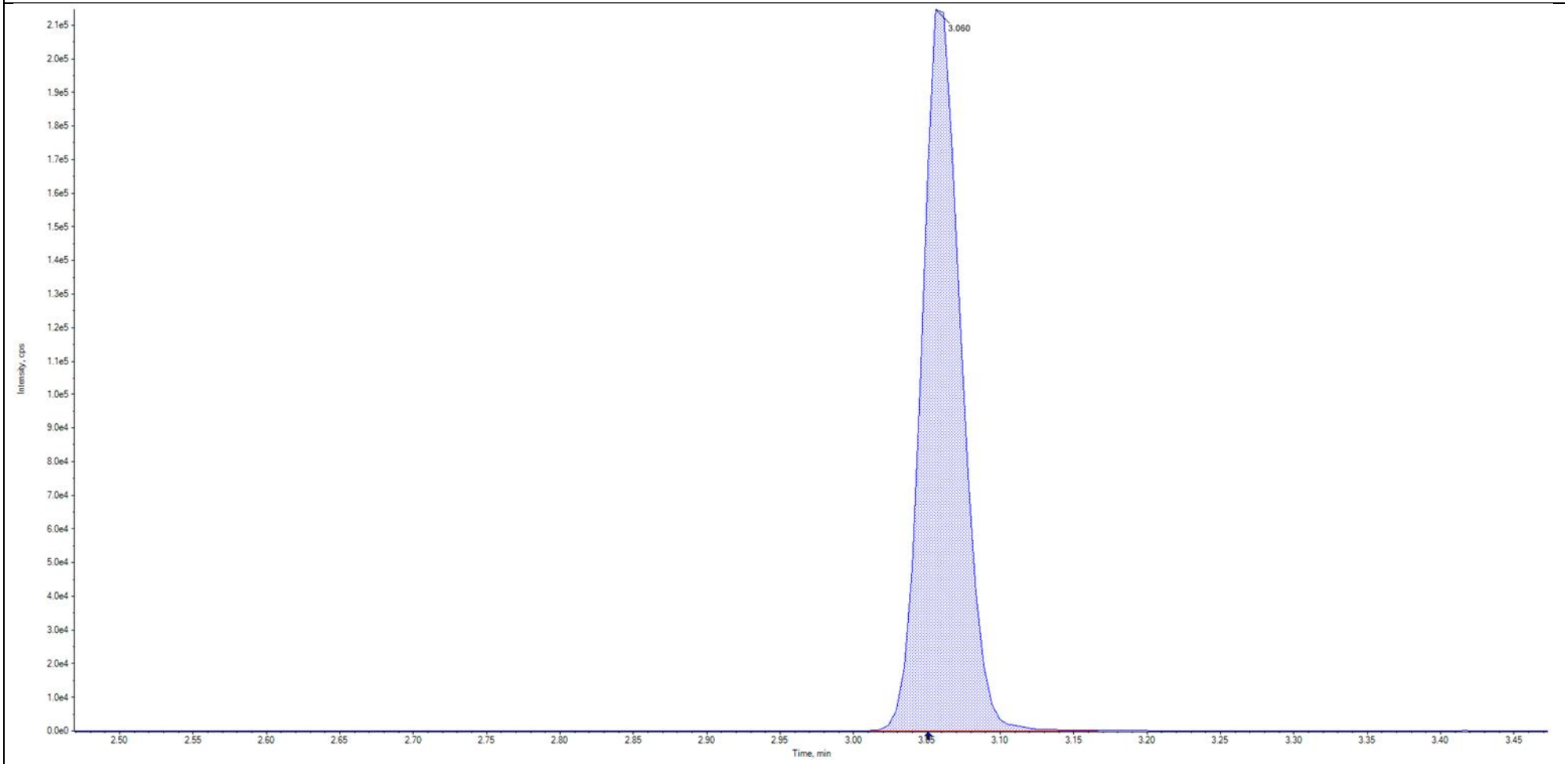


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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13C2-PFHxA
Sample: IA1633STD-.5

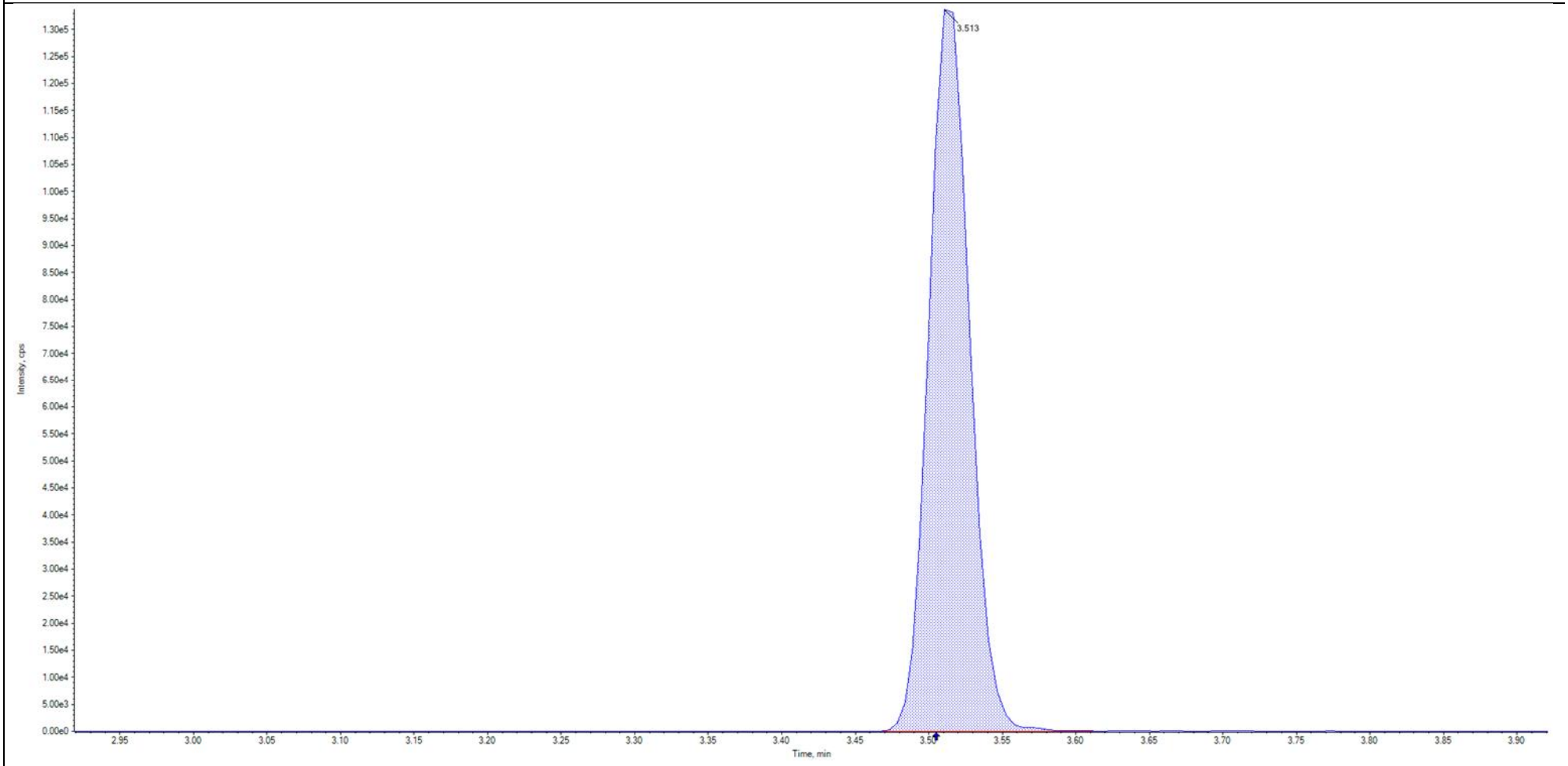


13C4-PFOA
Sample: IA1633STD-.5



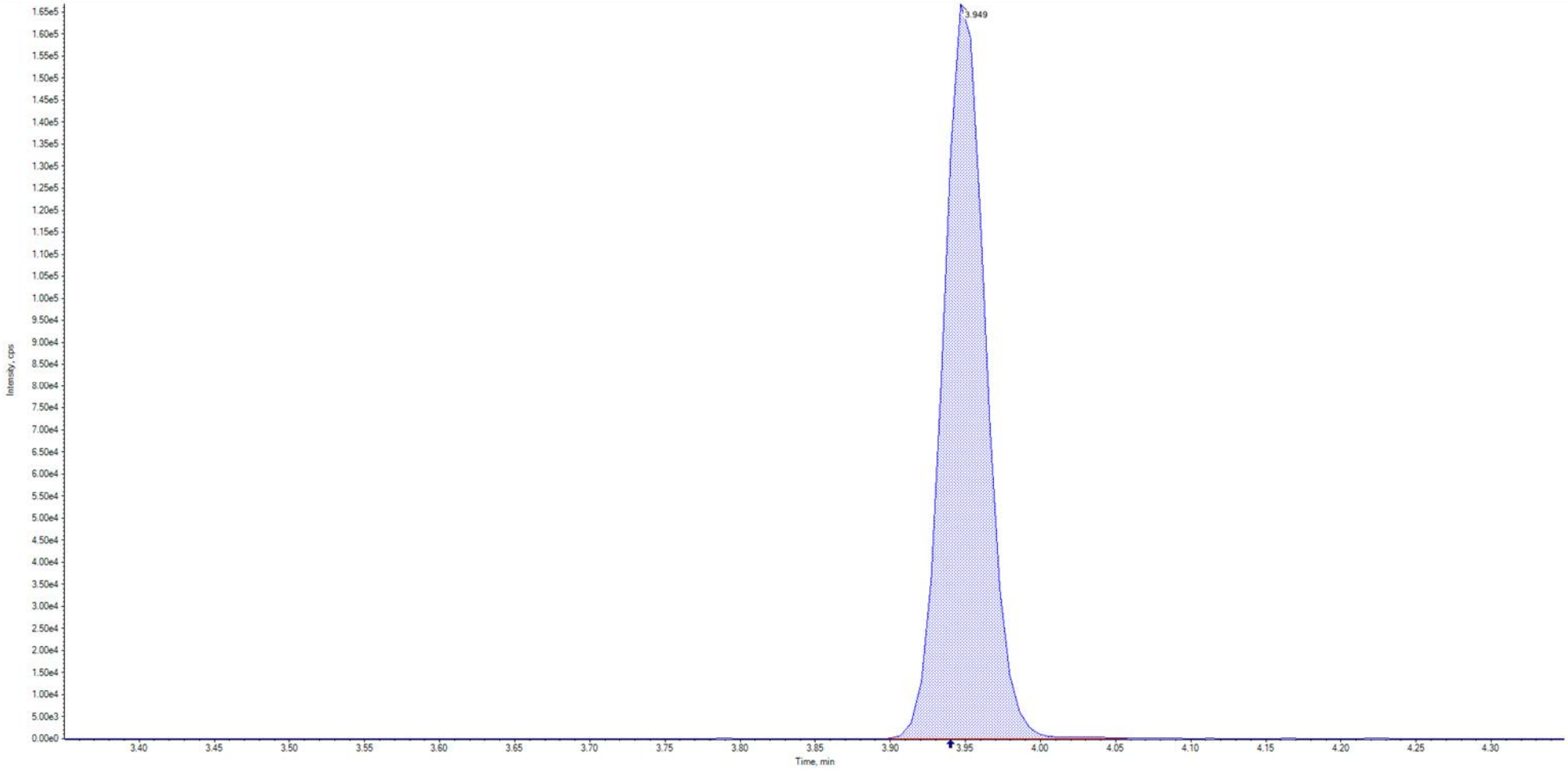
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Alpha Analytical LLC
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13C5-PFNA
Sample: IA1633STD-.5

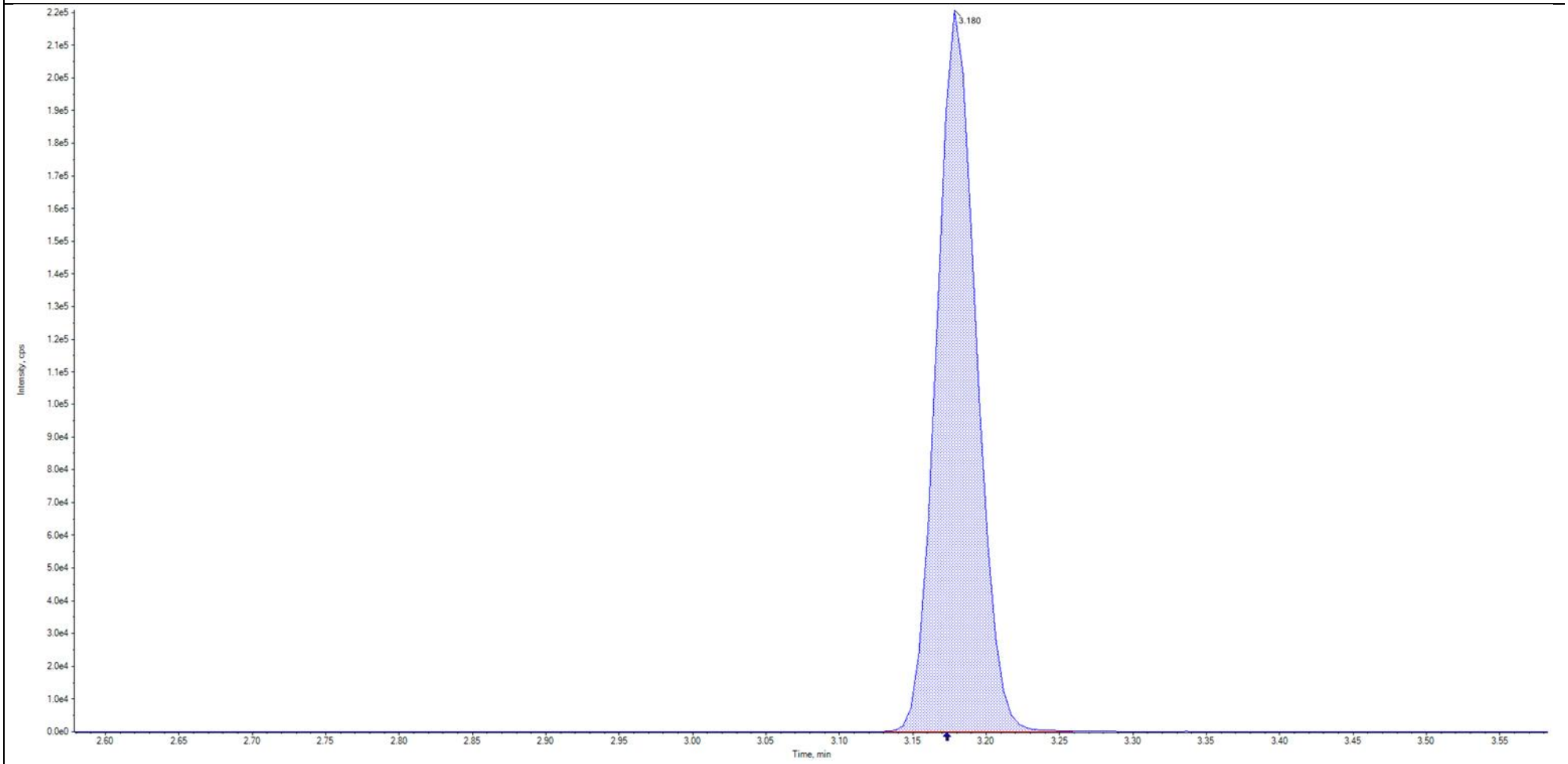


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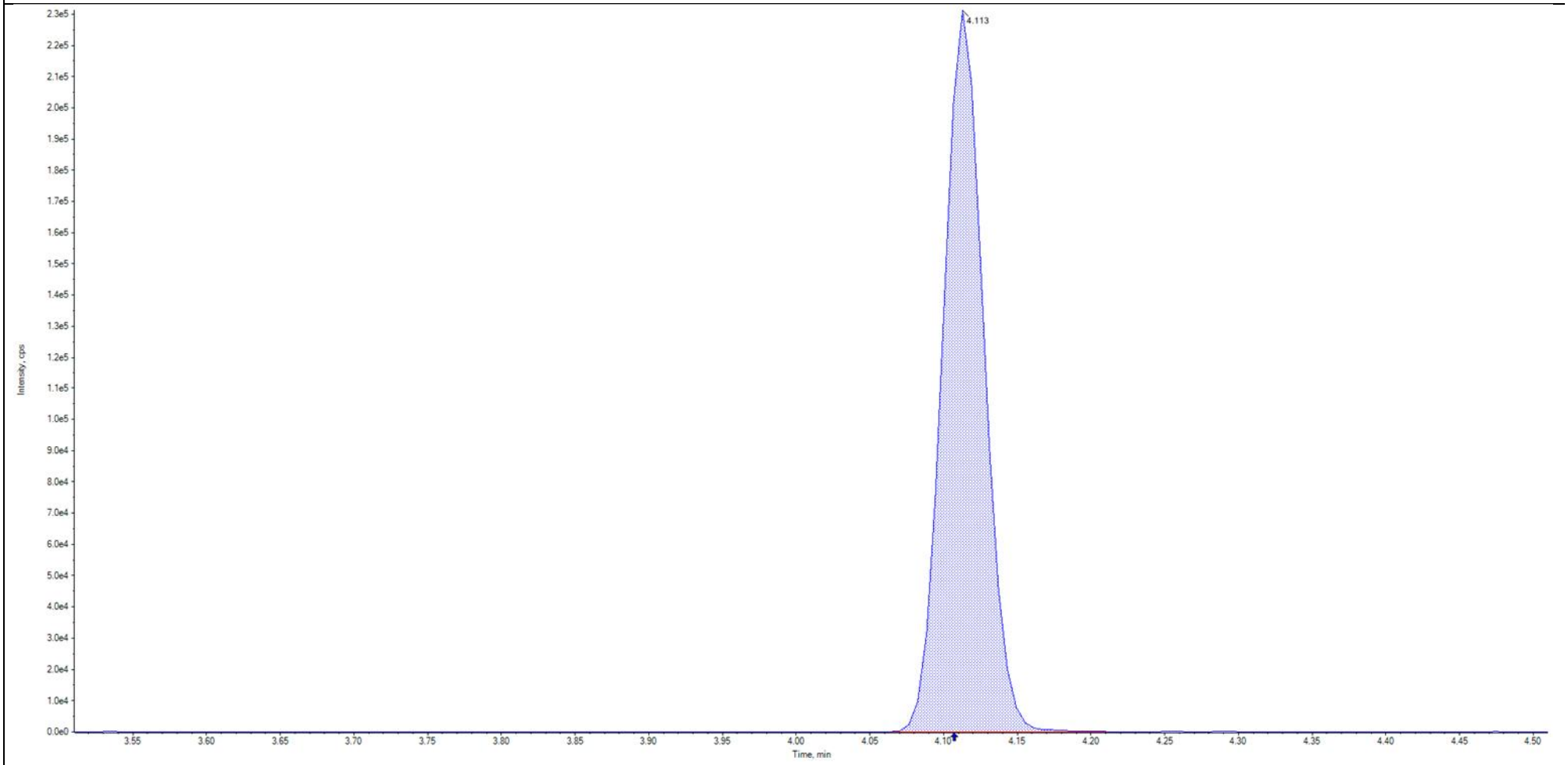
13C2-PFDA
Sample: IA1633STD-.5



18O2-PFHxS
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13C4-PFOS
Sample: IA1633STD-.5



Alpha Analytical LLC
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Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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Method: EPA1633F.qmethod
Calibration: 241216_EPA1633_ICAL

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Instrument: SCIEX Triple Quad 5500+
User: LCMS08:JW

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.62	213.0 / 169.0	1095071		10.004	N/A	N/A	N/A	100.0
2	PFPeA	2706-90-3	1.23	263.0 / 219.0	520003		4.942	0.008	0.008	Pass	98.8
3	PFPeA_2	2706-90-3	1.23	263.0 / 68.9	4276		4.978	0.008	0.008	Pass	99.6
4	PFHxA	307-24-4	1.99	313.0 / 269.0	365824		2.331	0.080	0.084	Pass	93.2
5	PFHxA_2	307-24-4	1.99	313.0 / 119.0	29157		2.321	0.080	0.084	Pass	92.9
6	PFHpA	375-85-9	2.57	363.1 / 319.0	394012		2.504	0.405	0.404	Pass	100.2
7	PFHpA_2	375-85-9	2.57	363.1 / 169.0	159659		2.401	0.405	0.404	Pass	96.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	3.06	413.1 / 369.1	346103	m5	2.361	0.521	0.562	Pass	94.4
9	PFOA_2	335-67-1	3.06	413.1 / 169.0	180369	m5	2.358	0.521	0.562	Pass	94.3
10	PFNA	375-95-1	3.51	462.8 / 418.9	303766	m5	2.325	0.467	0.464	Pass	93.0
11	PFNA_2	375-95-1	3.51	462.8 / 219.0	141737	m5	2.383	0.467	0.464	Pass	95.3
12	PFDA	335-76-2	3.95	513.1 / 469.1	465283		2.656	0.236	0.264	Pass	106.2
13	PFDA_2	335-76-2	3.95	513.1 / 219.0	109813		2.465	0.236	0.264	Pass	98.6
14	PFUnA	2058-94-8	4.37	563.1 / 519.1	491284		2.555	0.208	0.204	Pass	102.2
15	PFUnA_2	2058-94-8	4.37	563.1 / 269.0	102188		2.564	0.208	0.204	Pass	102.6
16	PFDoA	307-55-1	4.79	613.1 / 569.1	537687		2.461	0.194	0.194	Pass	98.4
17	PFDoA_2	307-55-1	4.79	613.1 / 319.0	104337		2.345	0.194	0.194	Pass	93.8
18	PFTrDA	72629-94-8	5.19	663.1 / 619.1	647414		2.614	0.180	0.193	Pass	104.5
19	PFTrDA_2	72629-94-8	5.19	663.1 / 169.0	116241		2.520	0.180	0.193	Pass	100.8
20	PFTeDA	376-06-7	5.58	713.1 / 669.1	653067		2.357	0.162	0.163	Pass	94.3
21	PFTeDA_2	376-06-7	5.58	713.1 / 169.0	106099		2.412	0.162	0.163	Pass	96.5
22	PFBS	375-73-5	2.00	299.1 / 80.1	470188		2.094	0.343	0.353	Pass	94.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	2.00	299.1 / 99.1	161408		2.085	0.343	0.353	Pass	93.9
24	PFPeS	2706-91-4	2.64	349.1 / 80.1	472097		2.302	0.294	0.294	Pass	98.0
25	PFPeS_2	2706-91-4	2.64	349.1 / 99.1	138946		2.445	0.294	0.294	Pass	104.0
26	PFHxS	355-46-4	3.18	399.1 / 80.1	404835	m5	2.149	0.302	0.292	Pass	94.3
27	PFHxS_2	355-46-4	3.18	399.1 / 99.1	122384	m5	2.225	0.302	0.292	Pass	97.6
28	PFHpS	375-92-8	3.66	449.1 / 80.1	458265		2.275	0.270	0.274	Pass	95.6
29	PFHpS_2	375-92-8	3.66	449.1 / 99.1	123900		2.328	0.270	0.274	Pass	97.8
30	PFOS	1763-23-1	4.11	499.1 / 80.1	562943	m5	2.130	0.220	0.223	Pass	91.8
31	PFOS_2	1763-23-1	4.11	499.1 / 99.1	123594	M5	2.224	0.220	0.223	Pass	95.9
32	PFNS	68259-12-1	4.54	549.1 / 80.1	531753		2.313	0.296	0.281	Pass	96.4
33	PFNS_2	68259-12-1	4.54	549.1 / 99.1	157597		2.451	0.296	0.281	Pass	102.1
34	PFDS	335-77-3	4.96	599.1 / 80.1	565745		2.321	0.271	0.267	Pass	96.3
35	PFDS_2	335-77-3	4.96	599.1 / 99.1	153587		2.367	0.271	0.267	Pass	98.2
36	PFDoS	79780-39-5	5.75	699.2 / 80.1	596911		2.263	0.231	0.225	Pass	93.5
37	PFDoS_2	79780-39-5	5.75	699.2 / 99.1	137697		2.337	0.231	0.225	Pass	96.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	1.77	327.1 / 307.1	293014		8.696	0.638	0.637	Pass	92.8
39	4:2FTS_2	757124-72-4	1.77	327.1 / 81.1	186948		8.426	0.638	0.637	Pass	89.9
40	6:2FTS	27619-97-2	2.86	427.2 / 407.2	297862		9.869	0.608	0.571	Pass	103.8
41	6:2FTS_2	27619-97-2	2.86	427.2 / 81.1	180964		9.748	0.608	0.571	Pass	102.5
42	8:2FTS	39108-34-4	3.75	527.2 / 507.2	294492		10.241	0.780	0.758	Pass	106.7
43	8:2FTS_2	39108-34-4	3.75	527.2 / 81.1	229666		10.265	0.780	0.758	Pass	106.9
44	PFOSA	754-91-6	5.18	498.1 / 78.1	720006	M5	2.393	0.024	0.023	Pass	95.7
45	PFOSA_2	754-91-6	5.18	498.1 / 478.0	17233	M5	2.224	0.024	0.023	Pass	89.0
46	NMeFOSA	31506-32-8	5.92	512.2 / 219.0	149846	M5	2.488	1.407	1.447	Pass	99.5
47	NMeFOSA_2	31506-32-8	5.87	512.2 / 169.0	210885	M5	2.410	1.407	1.447	Pass	96.4
48	NEtFOSA	4151-50-2	6.22	526.2 / 219.0	149338		2.510	1.267	1.299	Pass	100.4
49	NEtFOSA_2	4151-50-2	6.18	526.2 / 169.0	189264		2.435	1.267	1.299	Pass	97.4
50	NMeFOSAA	2355-31-9	4.05	570.2 / 419.1	90571	M5	2.418	0.623	0.605	Pass	96.7
51	NMeFOSAA_2	2355-31-9	4.04	570.2 / 483.0	56388	M5	2.465	0.623	0.605	Pass	98.6
52	NEtFOSAA	2991-50-6	4.26	584.2 / 419.1	91304	M5	2.445	0.518	0.518	Pass	97.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.26	584.2 / 526.2	47320	M5	2.543	0.518	0.518	Pass	101.7
54	NMeFOSE	24448-09-7	5.79	616.1 / 58.9	2122254	M5	24.249	N/A	N/A	N/A	97.0
55	NEtFOSE	1691-99-2	6.09	630.0 / 58.9	2720890	M5	25.074	N/A	N/A	N/A	100.3
56	HFPO-DA	13252-13-6	2.21	285.0 / 169.0	1288746		9.990	0.472	0.474	Pass	99.9
57	HFPO-DA_2	13252-13-6	2.21	285.0 / 184.9	608343		9.947	0.472	0.474	Pass	99.5
58	ADONA	919005-14-4	2.75	376.9 / 251.0	2619991		9.508	0.725	0.740	Pass	100.6
59	ADONA_2	919005-14-4	2.75	376.9 / 84.8	1899322		9.661	0.725	0.740	Pass	102.2
60	9Cl-PF3ONS	756426-58-1	4.41	530.8 / 351.1	3921471		9.602	0.334	0.340	Pass	102.9
61	9Cl-PF3ONS_2	756426-58-1	4.41	532.8 / 353.0	1310104		9.539	0.334	0.340	Pass	102.2
62	11Cl-PF3OUdS	763051-92-9	5.24	630.9 / 451.0	4258808		9.922	0.328	0.328	Pass	105.2
63	11Cl-PF3OUdS_2	763051-92-9	5.24	632.9 / 452.9	1398149		9.794	0.328	0.328	Pass	103.9
64	3:3FTCA	356-02-5	1.57	241.1 / 177.1	103140		11.115	0.996	0.996	Pass	88.9
65	3:3FTCA_2	356-02-5	1.57	241.1 / 117.0	102701		11.383	0.996	0.996	Pass	91.1
66	5:3FTCA	914637-49-3	3.01	341.1 / 237.1	2309975		61.726	1.045	1.037	Pass	98.8
67	5:3FTCA_2	914637-49-3	3.01	341.1 / 217.0	2413214		62.202	1.045	1.037	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	4.04	441.1 / 316.9	2301988		58.402	1.177	1.181	Pass	93.4
69	7:3FTCA_2	812-70-4	4.04	441.1 / 337.1	2708635		60.226	1.177	1.181	Pass	96.4
70	PFEESA	113507-82-7	2.31	315.1 / 135.0	2459359		4.448	0.080	0.078	Pass	99.7
71	PFEESA_2	113507-82-7	2.31	315.1 / 82.9	196482		4.314	0.080	0.078	Pass	96.7
72	PFMPA	377-73-1	0.79	229.0 / 85.0	590876		4.652	N/A	N/A	N/A	93.1
73	PFMBA	863090-89-5	1.49	279.0 / 85.0	735216		4.716	N/A	N/A	N/A	94.3
74	NFDHA	151772-58-6	1.91	295.0 / 201.0	314070		4.743	0.780	0.765	Pass	94.9
75	NFDHA_2	151772-58-6	1.91	295.0 / 84.9	245117		4.755	0.780	0.765	Pass	95.1
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	5.845	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	5.845	N/A	N/A
78	13C2D4-4:2FTS	Surr	1.76	333.2 / 312.1	130155		4.583	N/A	N/A	N/A	91.7
79	13C2-PFOA	Surr	3.05	415.0 / 370.0	427406		2.367	N/A	N/A	N/A	94.7

	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	1323420		9.854	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	1.22	268.0 / 223.0	583638		5.069	NA	NA	NA	101.4
	13C5-PFHxA	EIS	1.99	318.0 / 273.0	370571		2.599	NA	NA	NA	104.0
	13C4-PFHpA	EIS	2.56	367.0 / 322.0	462423		2.570	NA	NA	NA	102.8
	13C8-PFOA	EIS	3.05	420.8 / 376.0	525913		2.574	NA	NA	NA	102.9
	13C9-PFNA	EIS	3.51	472.0 / 427.0	271220		1.306	NA	NA	NA	104.5
	13C6-PFDA	EIS	3.94	519.0 / 474.0	339283		1.234	NA	NA	NA	98.7
	13C7-PFUnA	EIS	4.37	570.0 / 525.0	371875		1.273	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	4.78	615.1 / 570.0	305784		1.272	NA	NA	NA	101.8
	13C2-PFTeDA	EIS	5.57	715.1 / 670.1	353925		1.253	NA	NA	NA	100.3
	13C3-PFBS	EIS	2.00	302.1 / 80.1	555003		2.471	NA	NA	NA	106.1
	13C3-PFHxS	EIS	3.17	402.1 / 80.1	460392		2.417	NA	NA	NA	102.0
	13C8-PFOS	EIS	4.11	507.1 / 80.1	619535		2.376	NA	NA	NA	99.0
	13C2-4:2FTS	EIS	1.76	329.1 / 81.1	99995		4.720	NA	NA	NA	100.6
	13C2-6:2FTS	EIS	2.86	429.2 / 81.1	91500		4.531	NA	NA	NA	95.2
	13C2-8:2FTS	EIS	3.74	529.2 / 81.1	126746		4.452	NA	NA	NA	92.8

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C8-PFOSA	EIS	5.18	506.1 / 78.1	945937		2.525	NA	NA	NA	101.0
d3-NMeFOSA	EIS	5.91	515.2 / 219.0	135249		2.304	NA	NA	NA	92.2
d5-NEtFOSA	EIS	6.21	531.2 / 219.0	130822		2.251	NA	NA	NA	90.1
d3-NMeFOSAA	EIS	4.04	573.2 / 419.1	213112		4.541	NA	NA	NA	90.8
d5-NEtFOSAA	EIS	4.25	589.3 / 419.1	182327		4.635	NA	NA	NA	92.7
d7-NMeFOSE	EIS	5.76	623.2 / 58.9	997961		23.685	NA	NA	NA	94.7
d9-NEtFOSE	EIS	6.06	639.2 / 58.9	1193157		22.893	NA	NA	NA	91.6

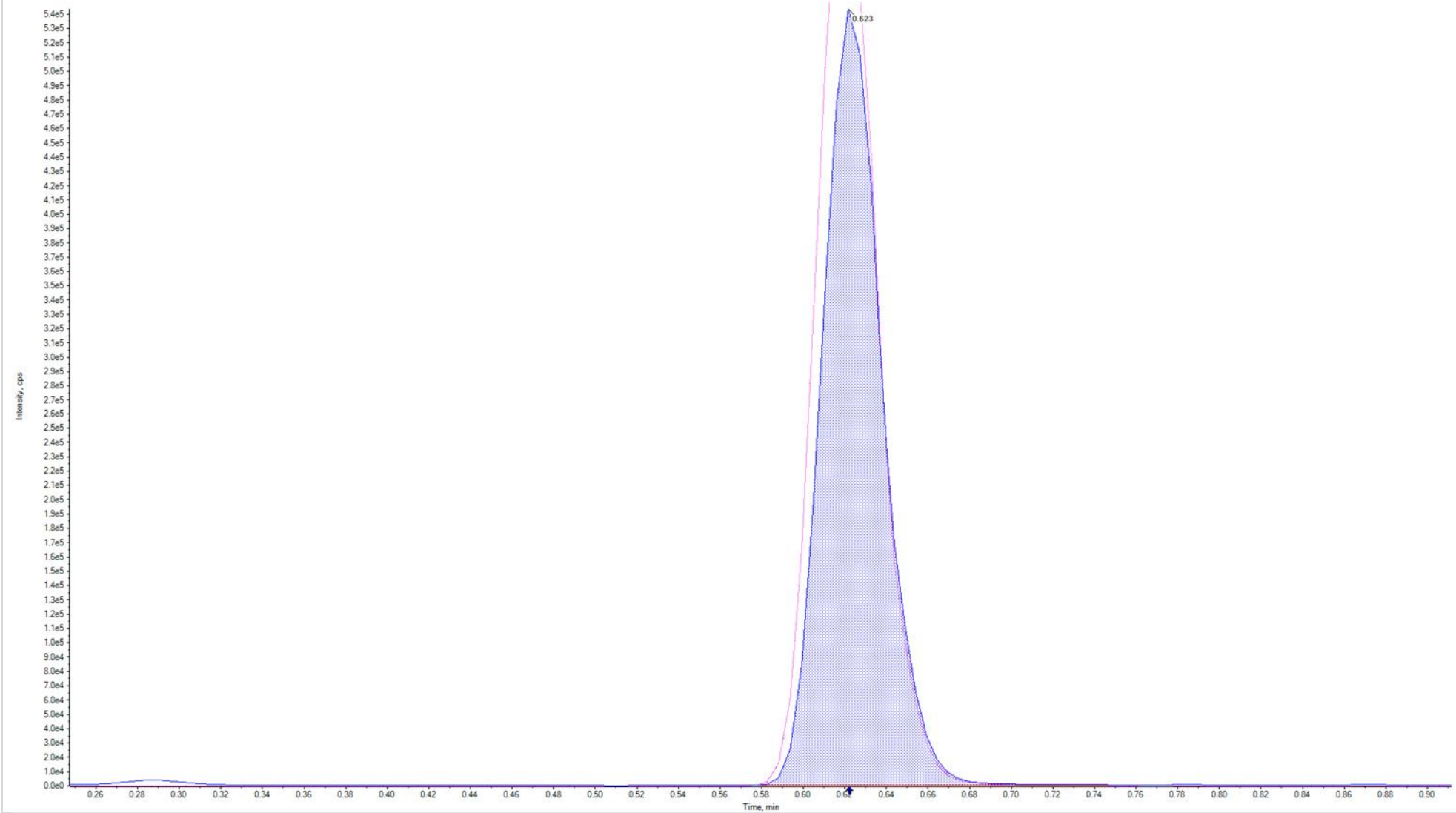
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	13C3-HFPO-DA	EIS	2.20	287.0 / 169.0	1356489		10.366	NA	NA	NA	103.7
	13C3-PFBA	NIS	0.62	216.0 / 172.0	589565		5.974	NA	NA	NA	119.5
	13C2-PFHxA	NIS	1.99	315.0 / 270.0	381274		2.787	NA	NA	NA	111.5
	13C4-PFOA	NIS	3.05	417.0 / 372.0	396328		2.715	NA	NA	NA	108.6
	13C5-PFNA	NIS	3.51	468.0 / 423.0	261423		1.408	NA	NA	NA	112.7
	13C2-PFDA	NIS	3.94	515.1 / 470.1	330197		1.450	NA	NA	NA	116.0
	18O2-PFHxS	NIS	3.17	403.1 / 84.1	392255		2.565	NA	NA	NA	108.2
	13C4-PFOS	NIS	4.11	503.1 / 80.1	479251		2.818	NA	NA	NA	117.4

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

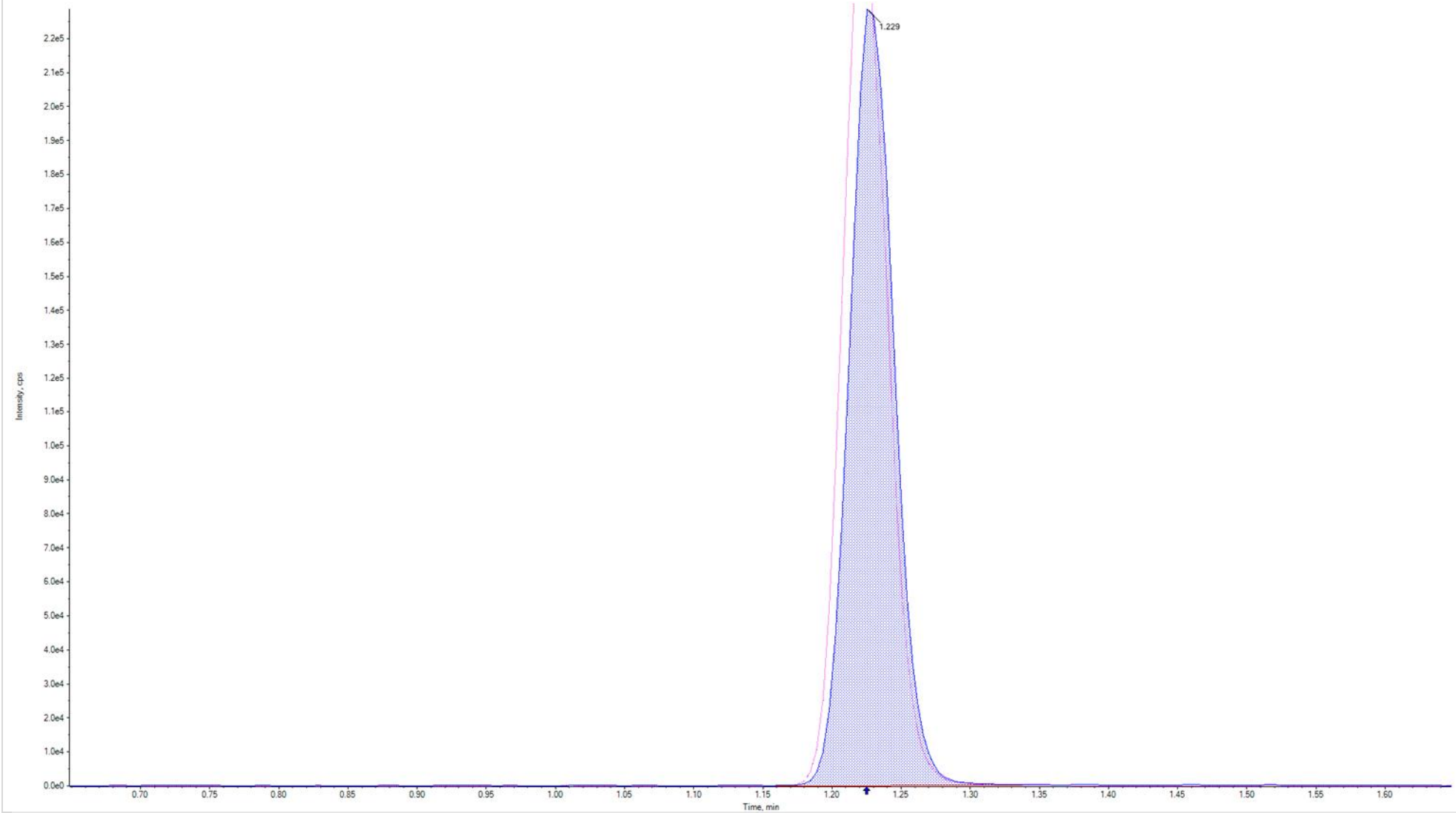
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PFBA
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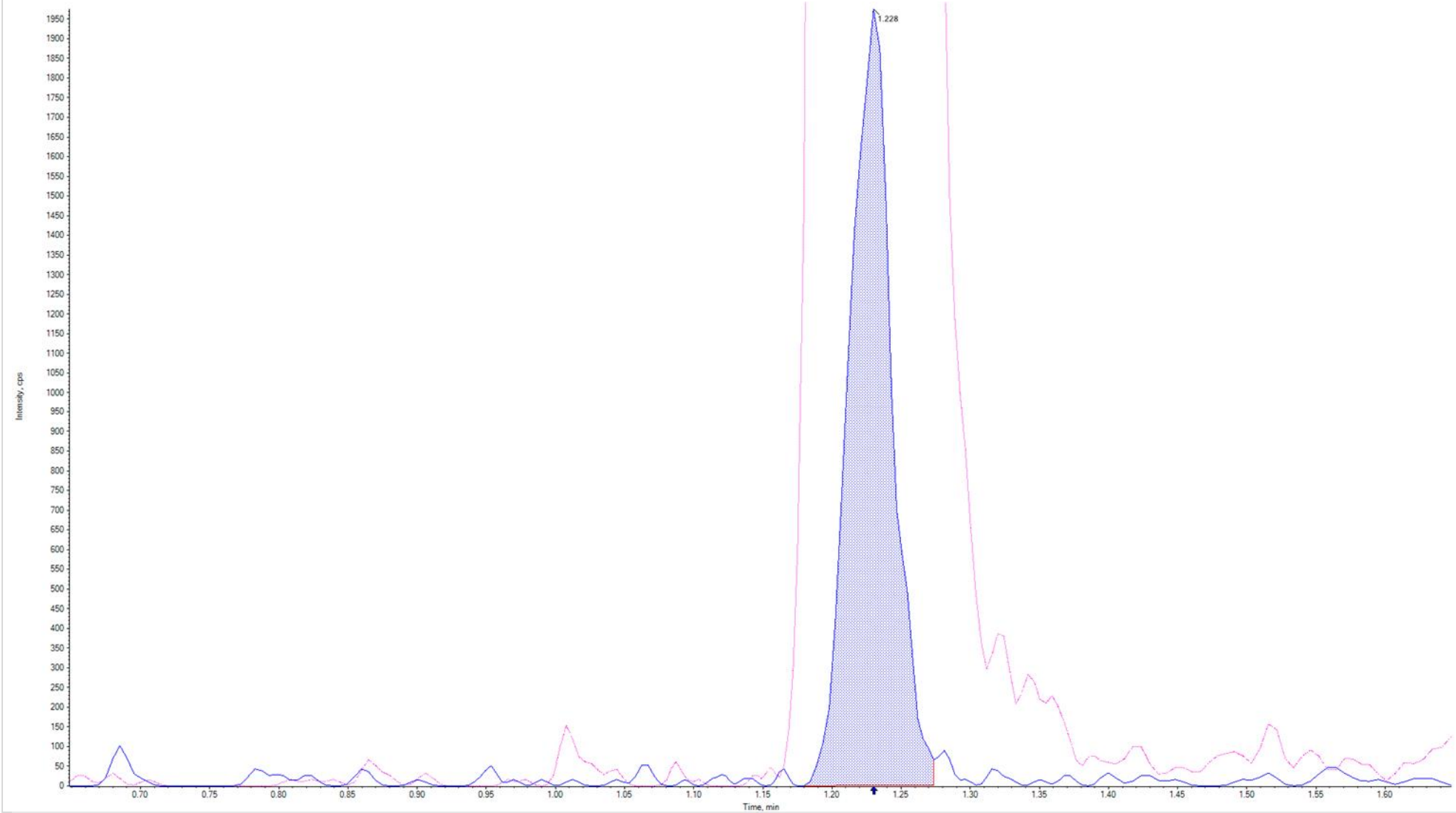
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PFPeA
Sample: IA1633STD-2.5 S/N:5613.0 Points Across peak:47



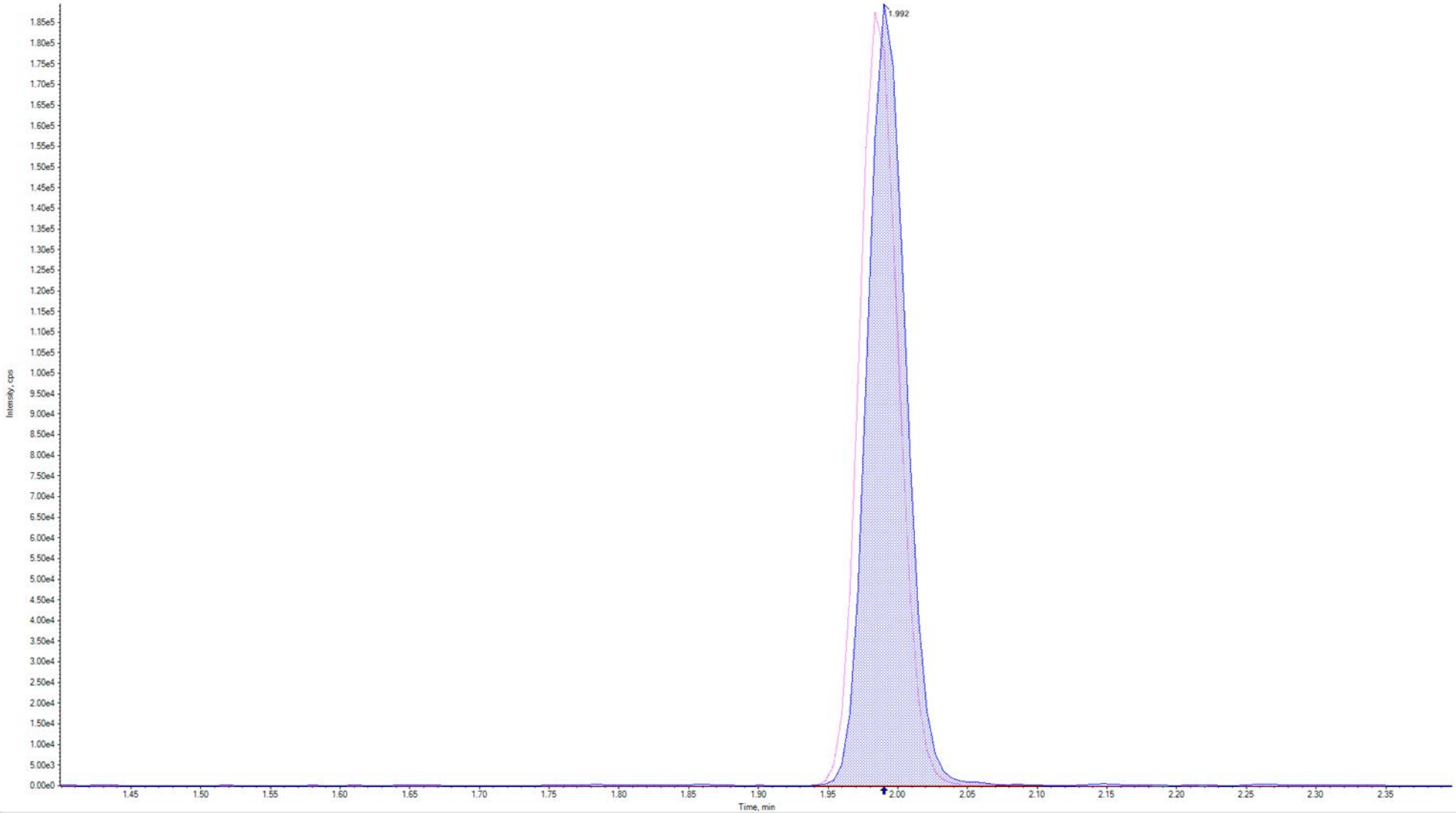
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PFPeA_2
Sample: IA1633STD-2.5 S/N:118.7 Points Across peak:24



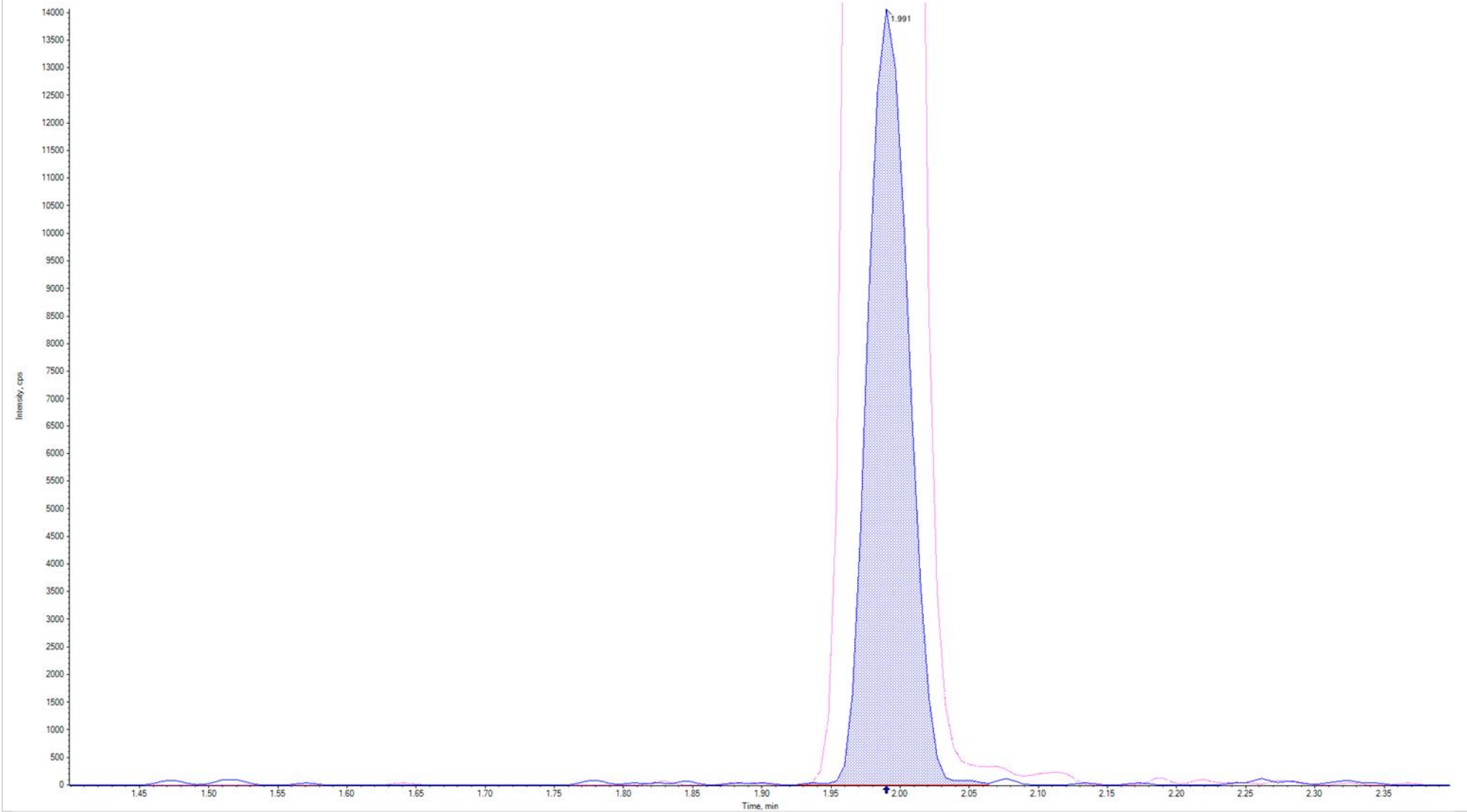
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_14.wiff2_4
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFHxA
Sample: IA1633STD-2.5 S/N:4751.0 Points Across peak:32



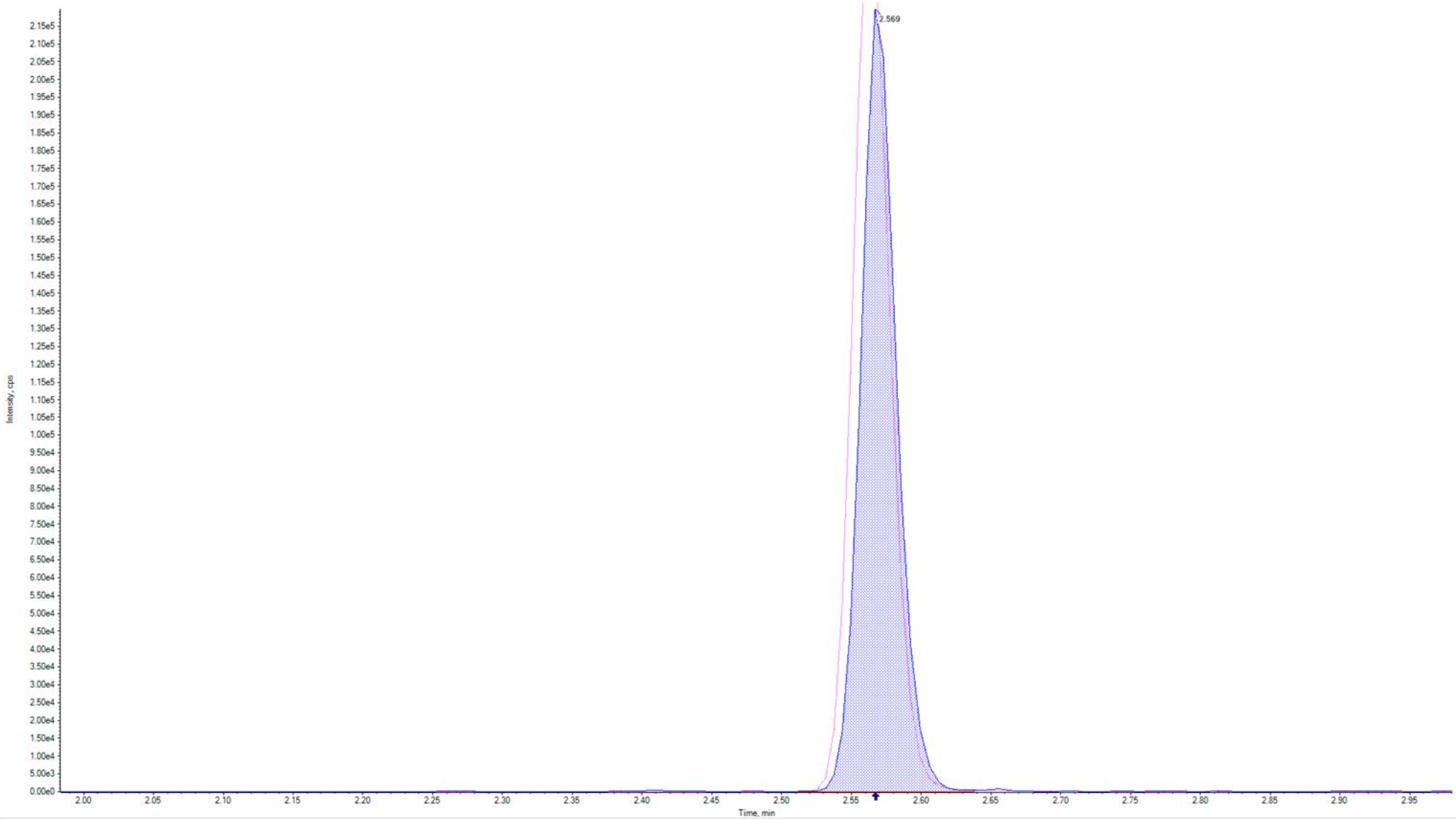
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFHxA_2
Sample: IA1633STD-2.5 S/N:352.5 Points Across peak:25



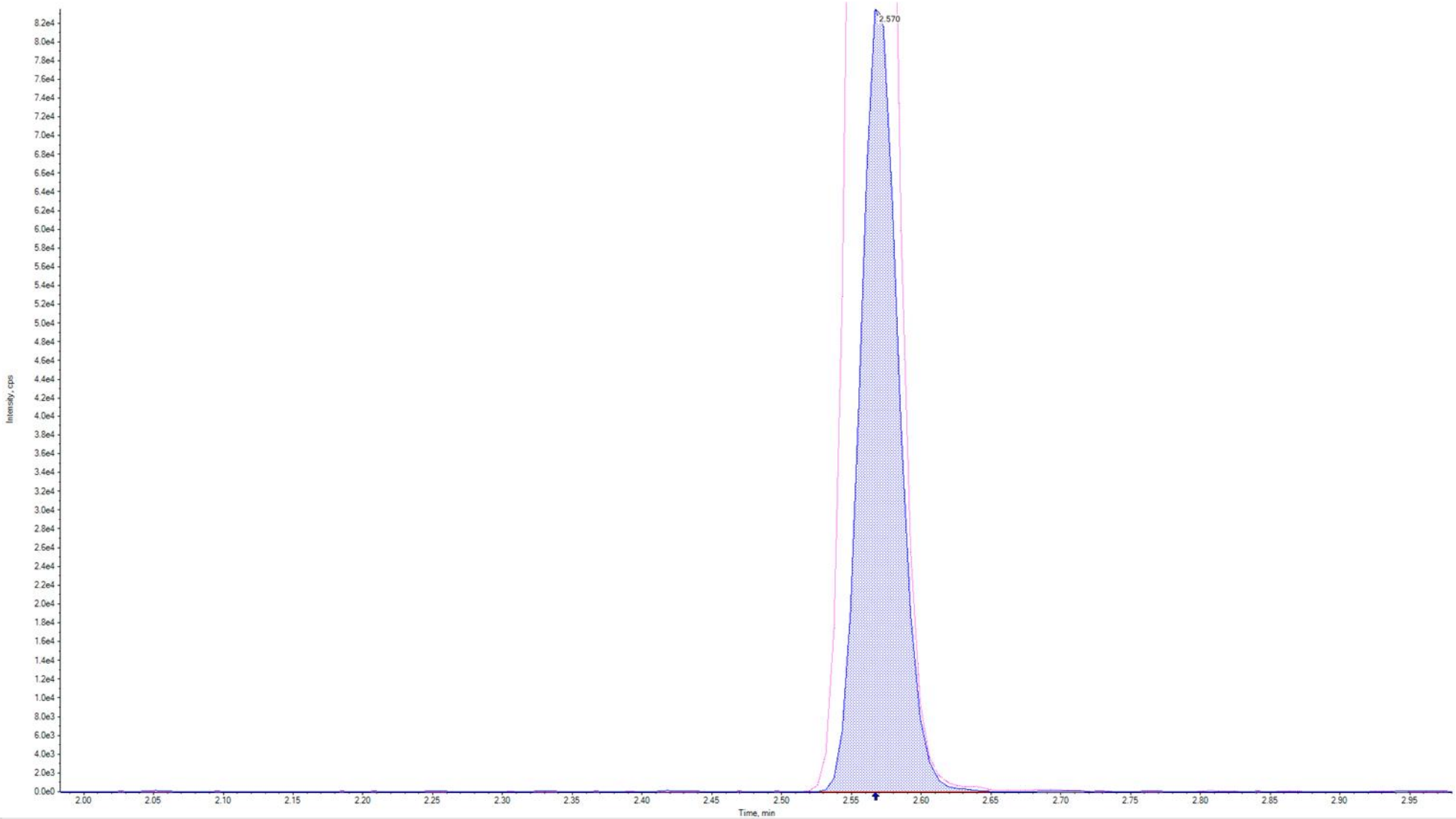
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFHpA
Sample: IA1633STD-2.5 S/N:4406.5 Points Across peak:23



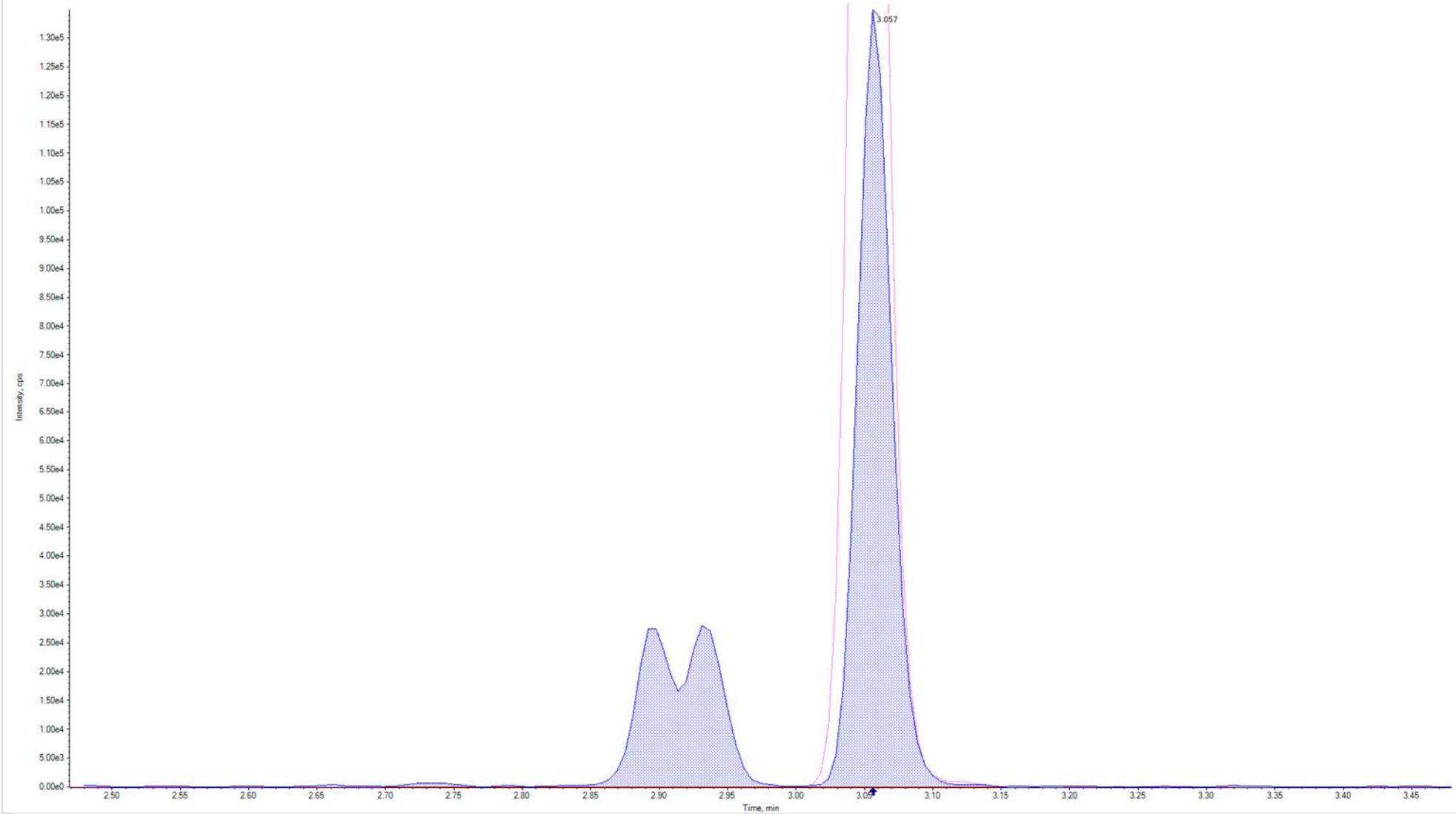
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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PFHpA_2
Sample: IA1633STD-2.5 S/N:1673.9 Points Across peak:26



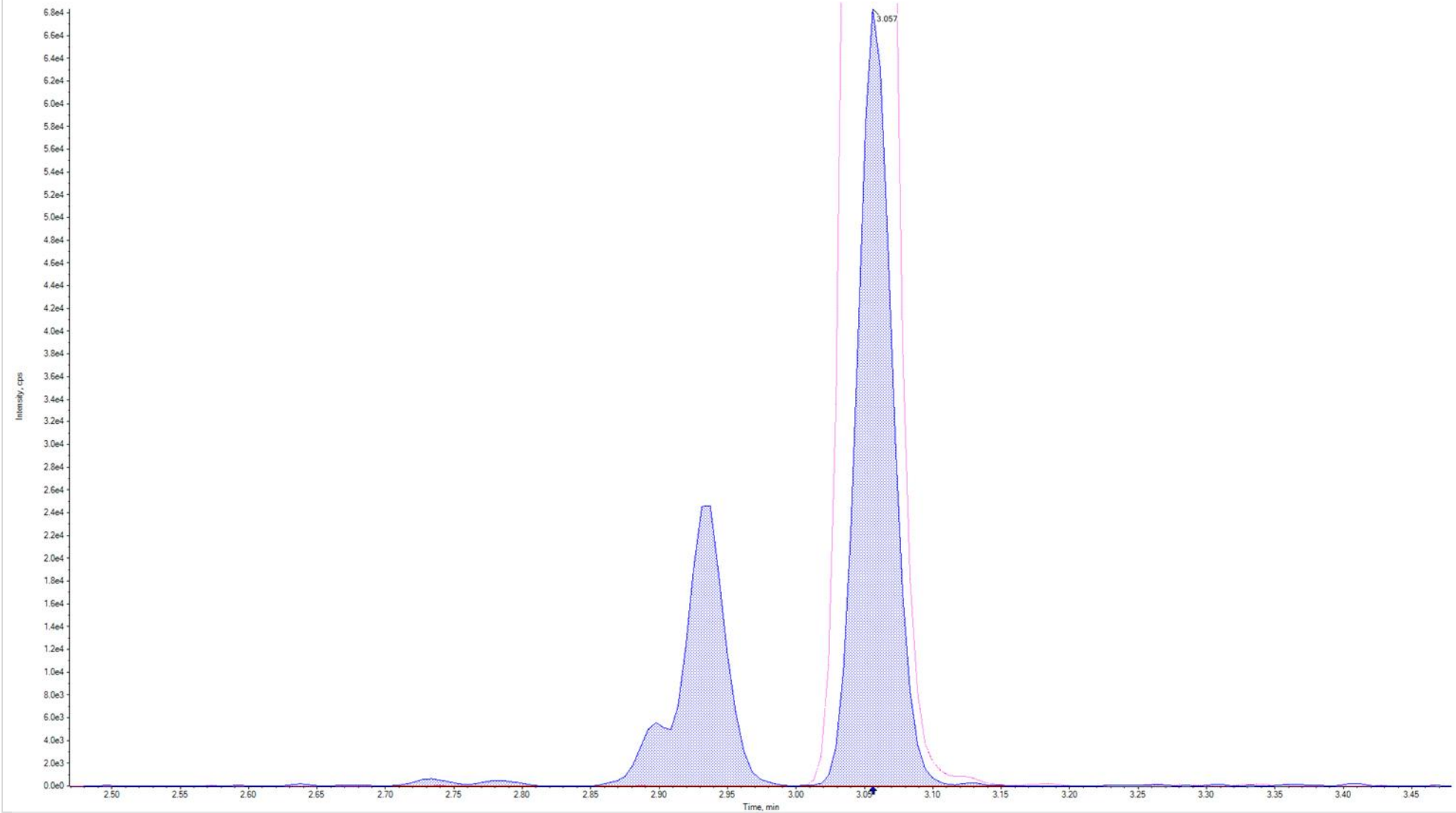
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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PFOA
Sample: IA1633STD-2.5 S/N:564.0 Points Across peak:83



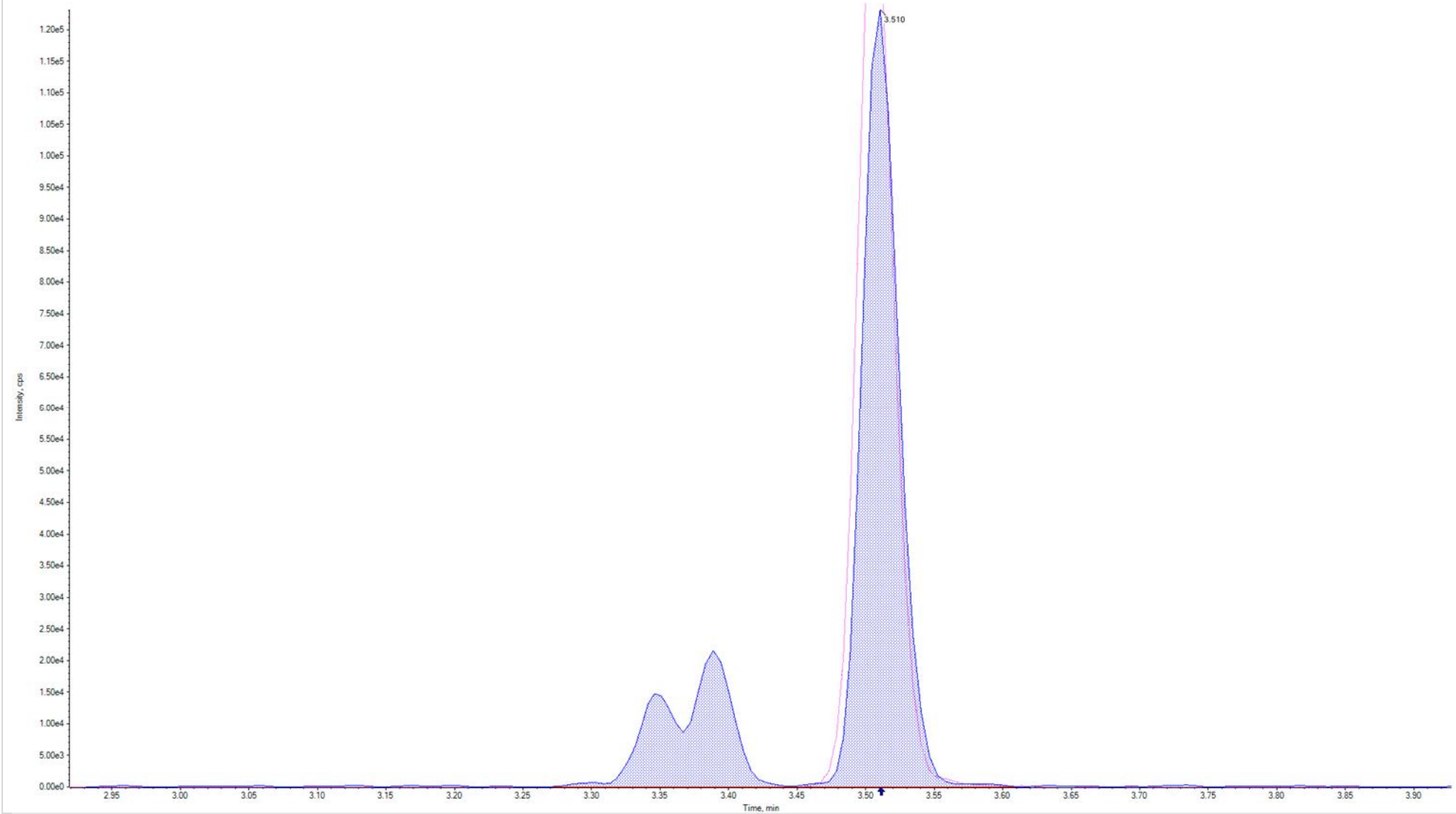
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_14.wiff2_4
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFOA_2
Sample: IA1633STD-2.5 S/N:477.1 Points Across peak:86



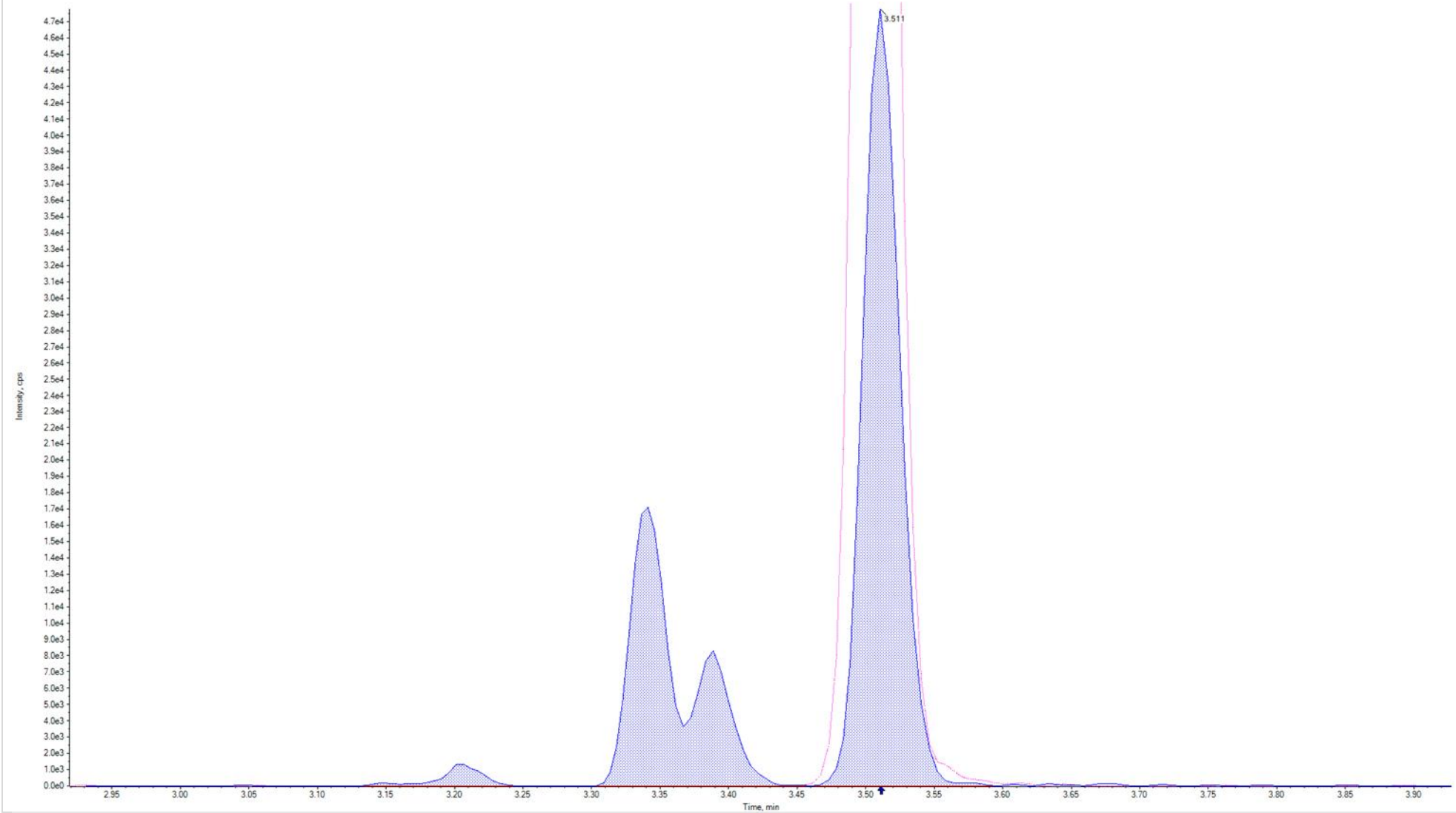
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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PFNA
Sample: IA1633STD-2.5 S/N:523.9 Points Across peak:66



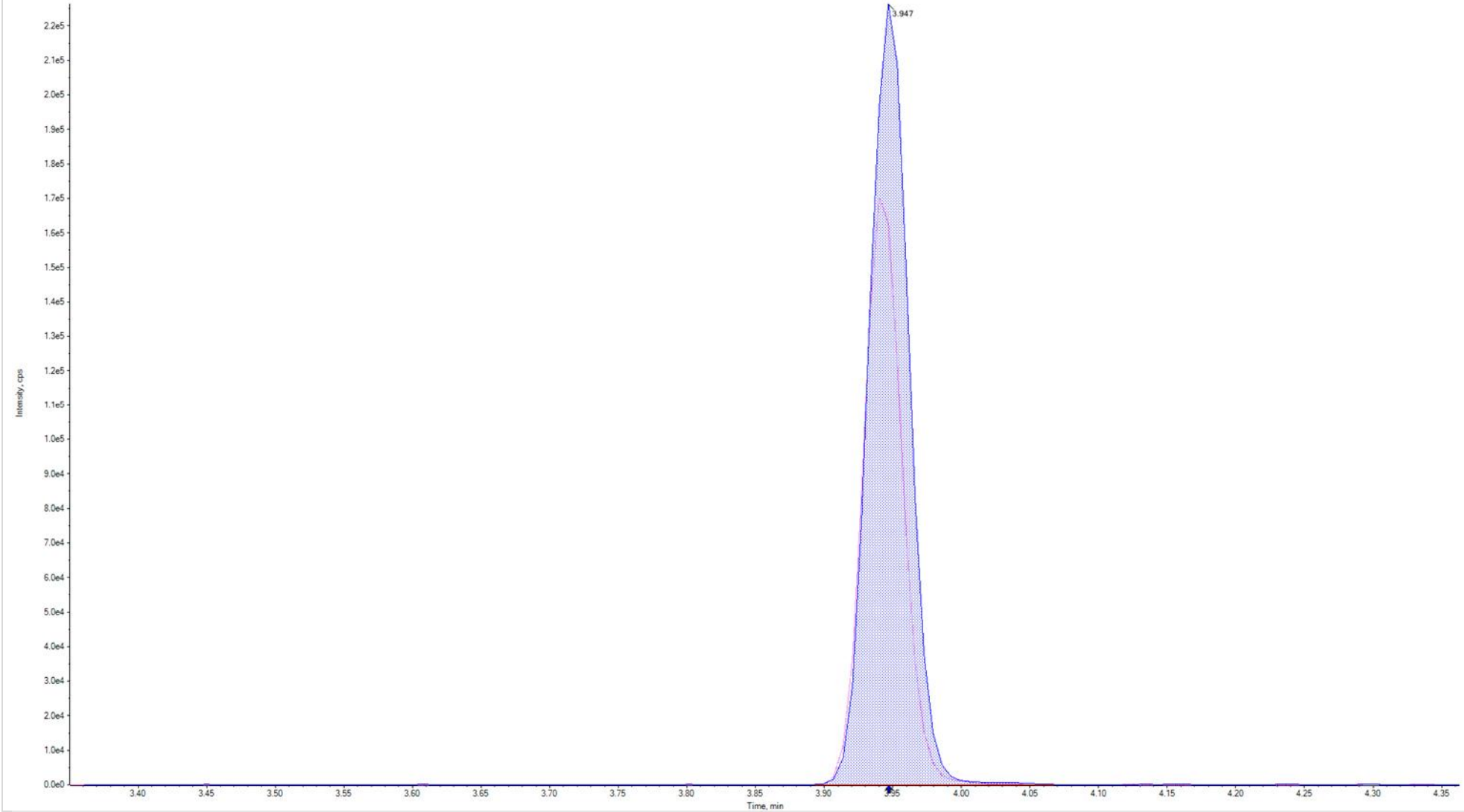
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFNA_2
Sample: IA1633STD-2.5 S/N:386.3 Points Across peak:90



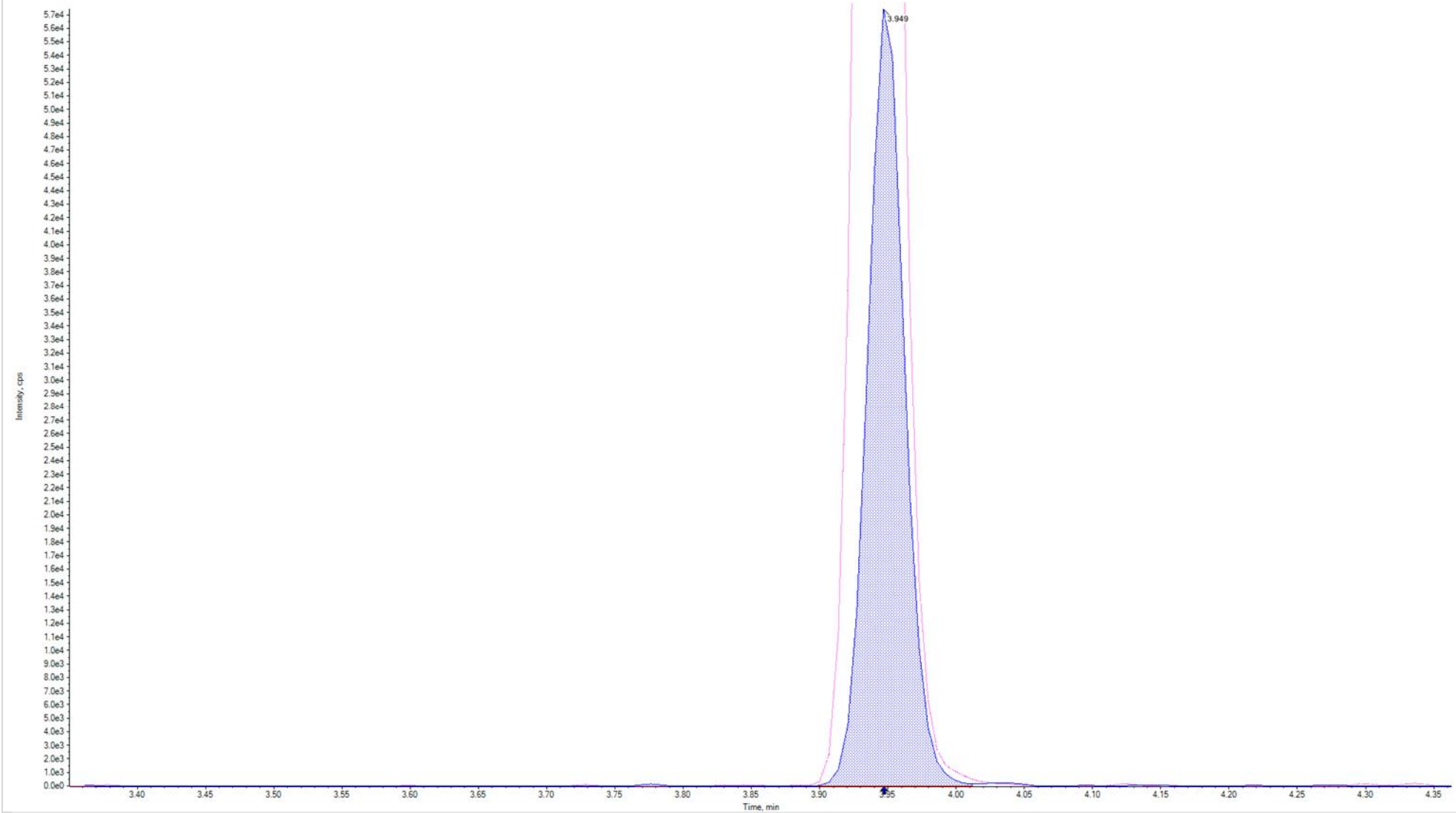
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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PFDA
Sample: IA1633STD-2.5 S/N:3051.7 Points Across peak:33



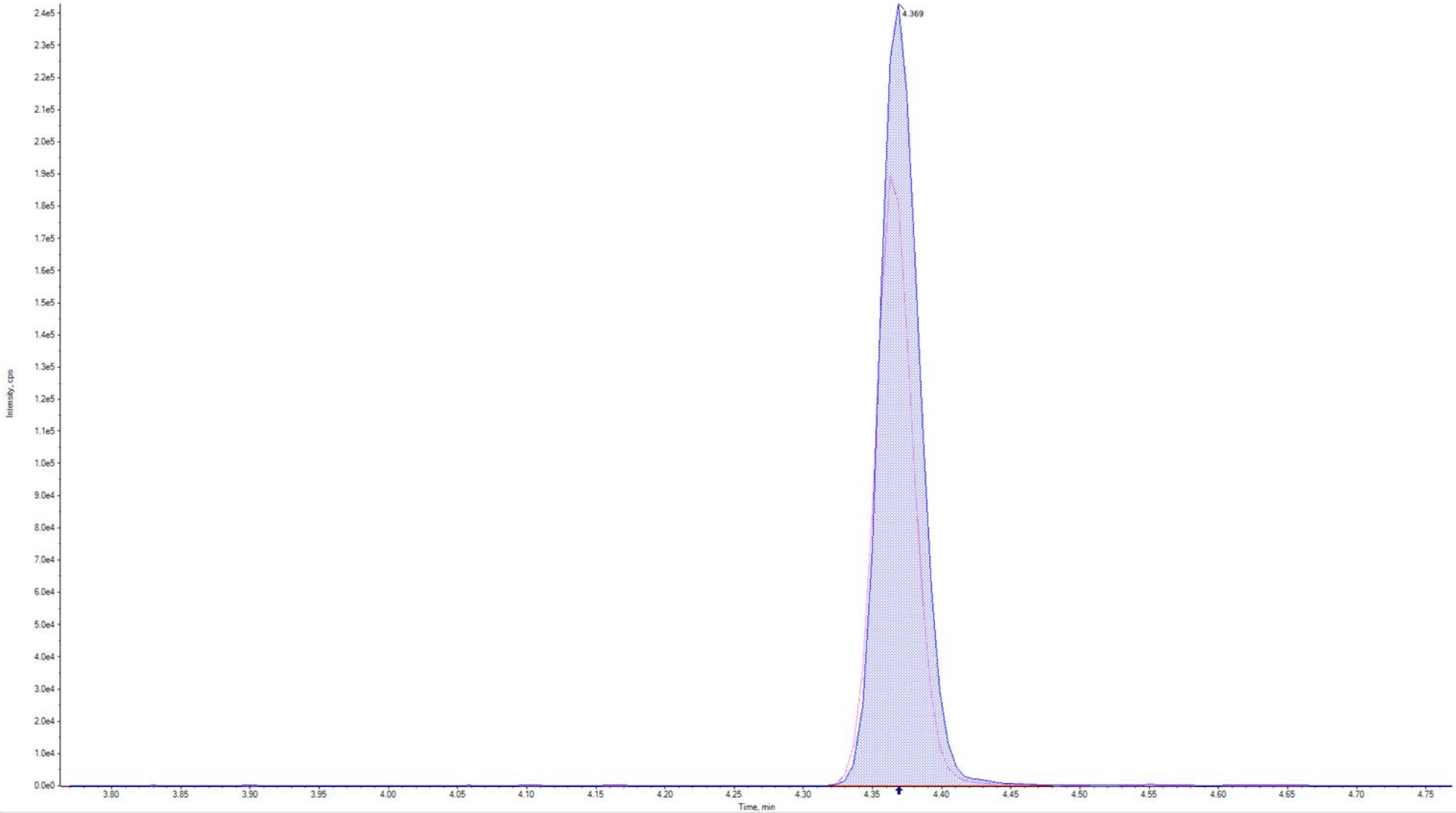
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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PFDA_2
Sample: IA1633STD-2.5 S/N:1151.5 Points Across peak:24



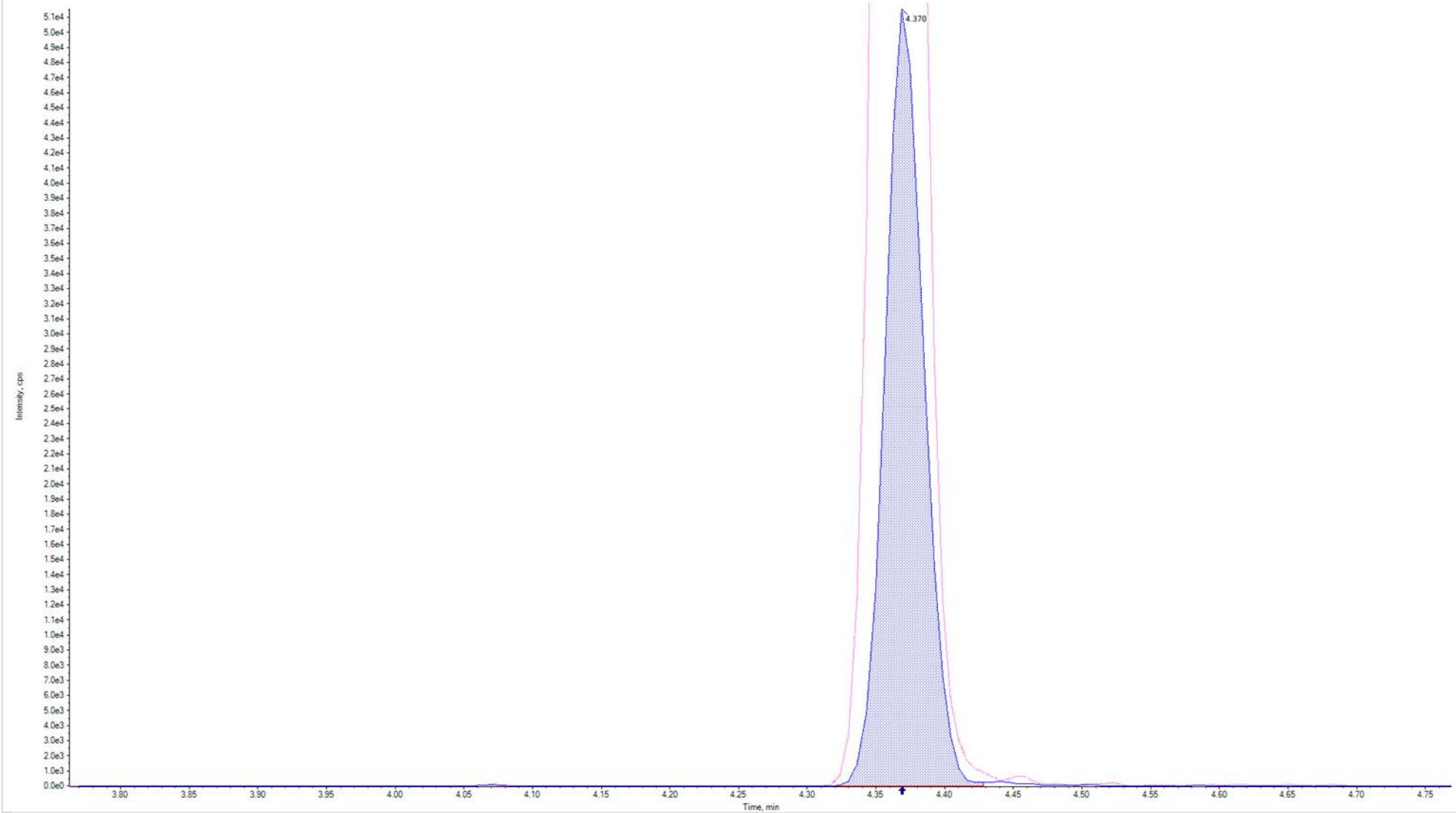
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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PFUnA
Sample: IA1633STD-2.5 S/N:2552.9 Points Across peak:29



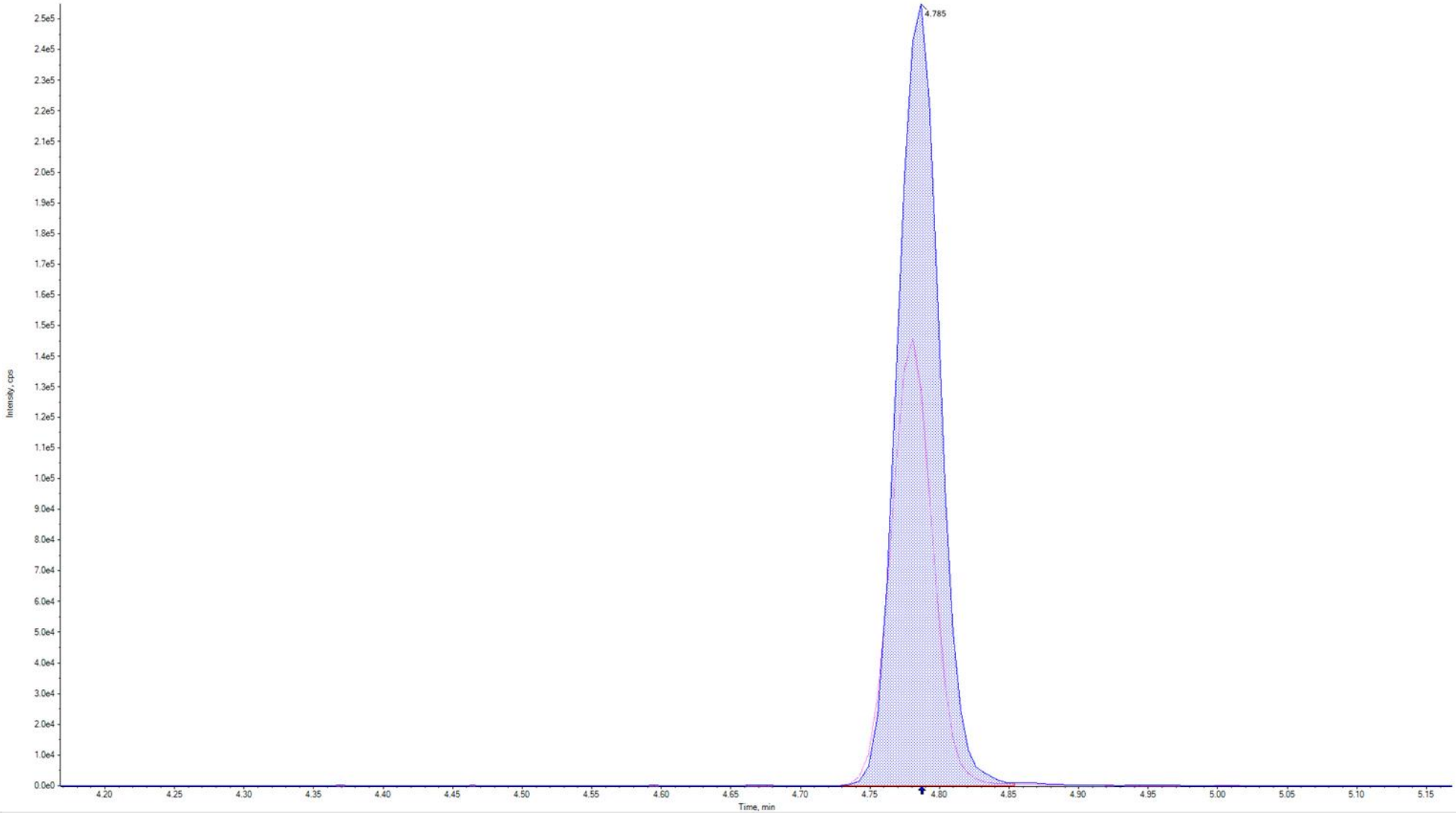
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Alpha Analytical LLC
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PFUnA_2
Sample: IA1633STD-2.5 S/N:1162.8 Points Across peak:24



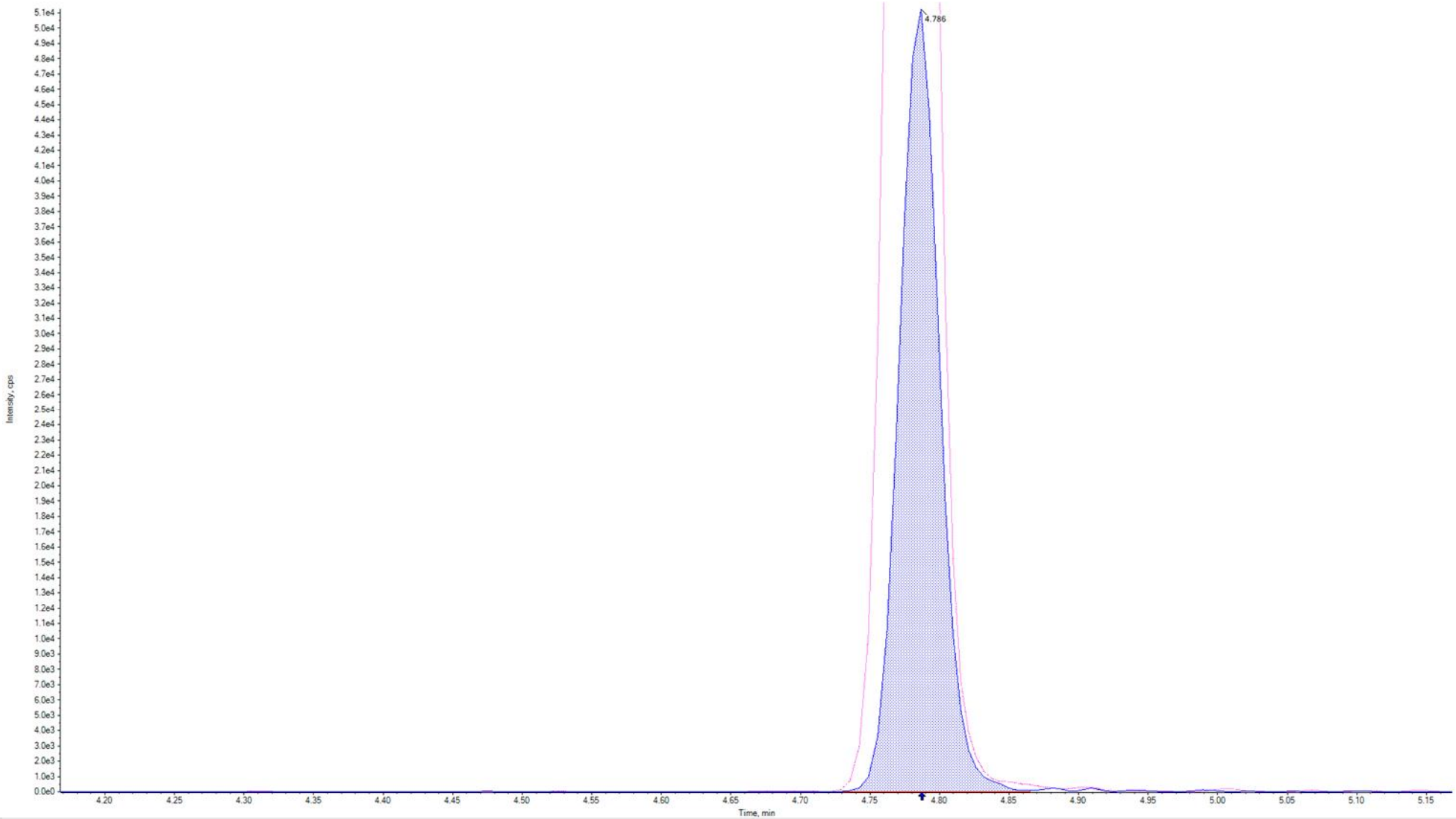
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Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

PFDoA
Sample: IA1633STD-2.5 S/N:7027.1 Points Across peak:27



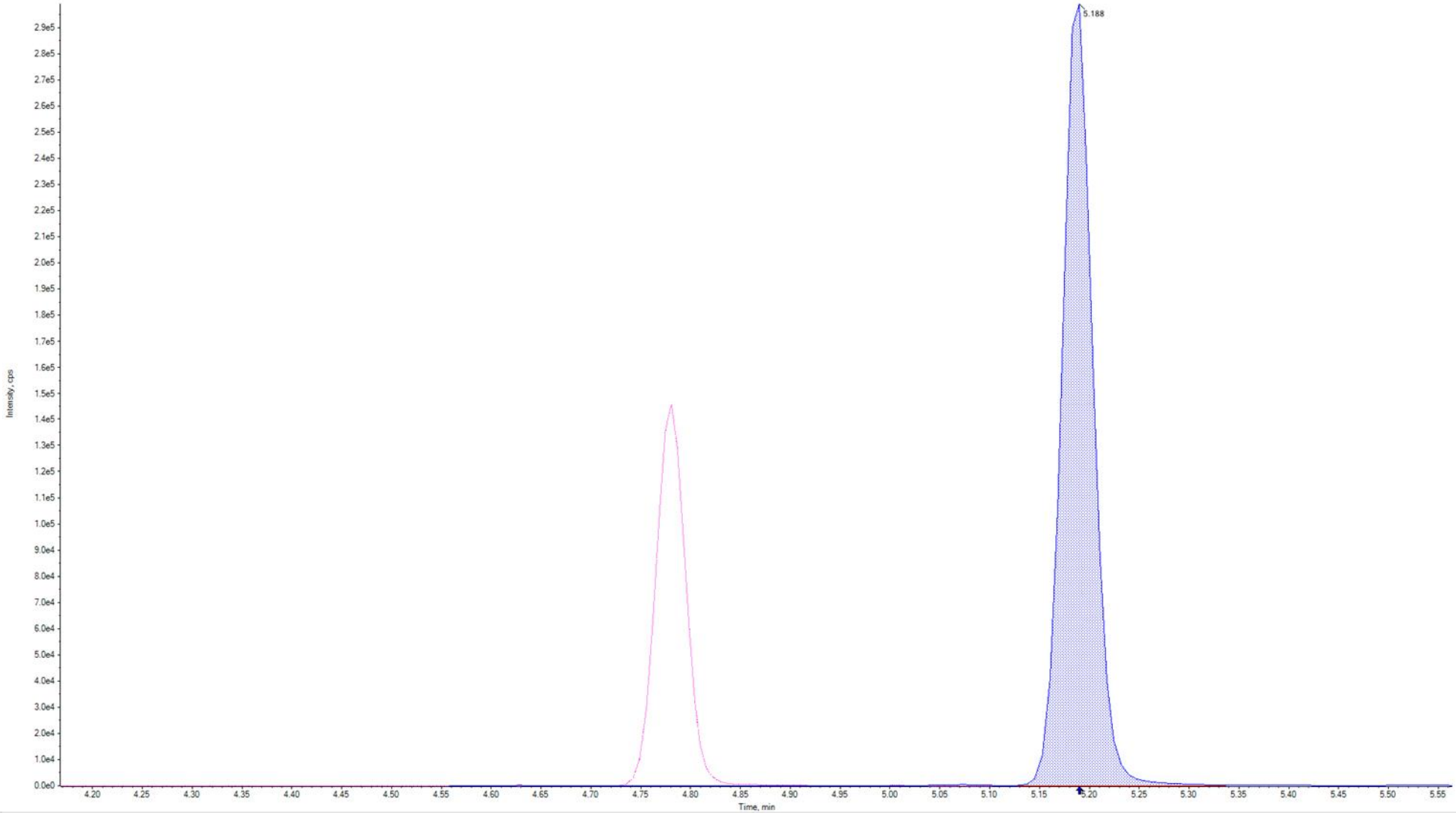
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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PFDoA_2
Sample: IA1633STD-2.5 S/N:1412.9 Points Across peak:30



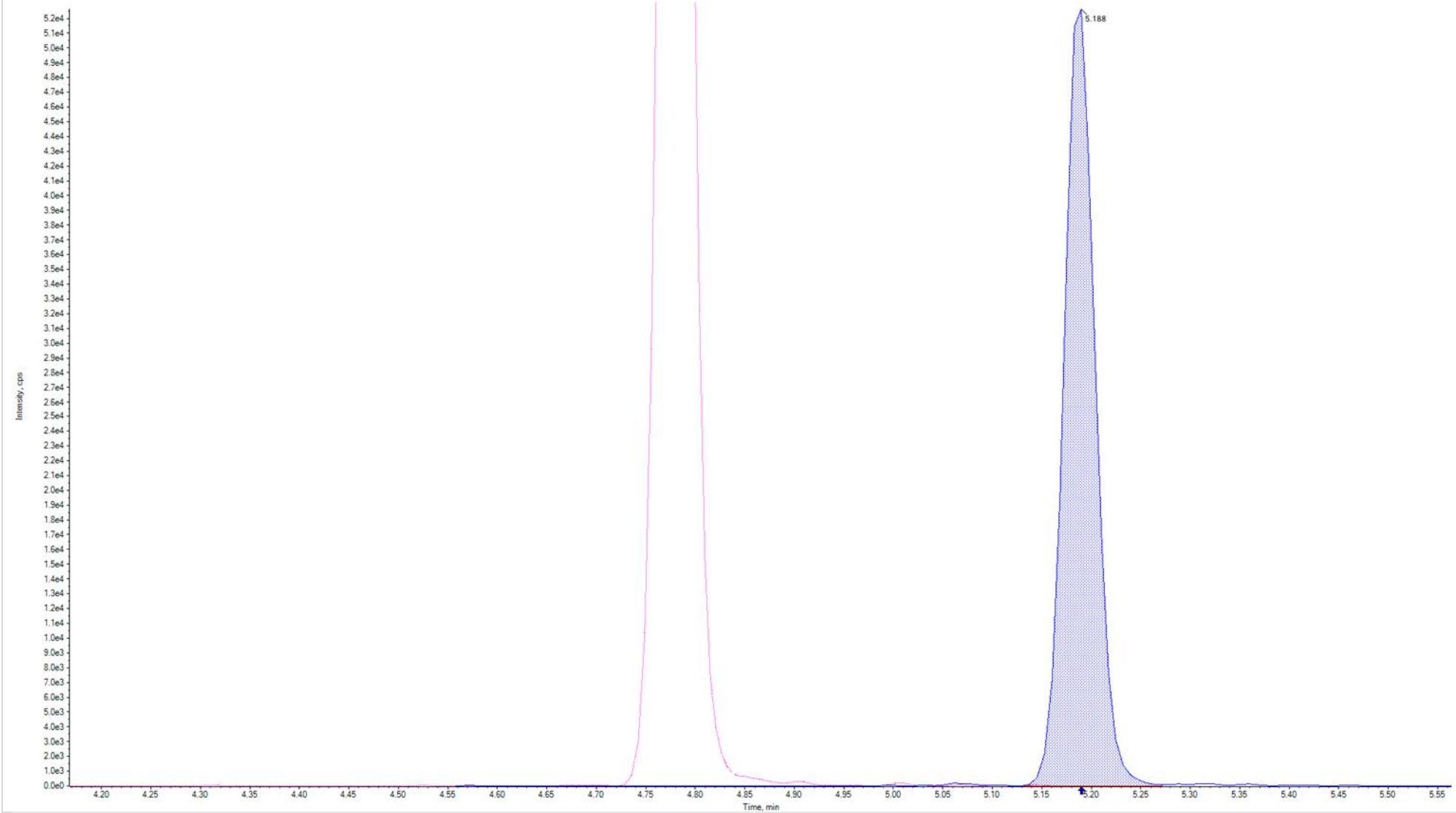
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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PFTrDA
Sample: IA1633STD-2.5 S/N:11990.7 Points Across peak:30



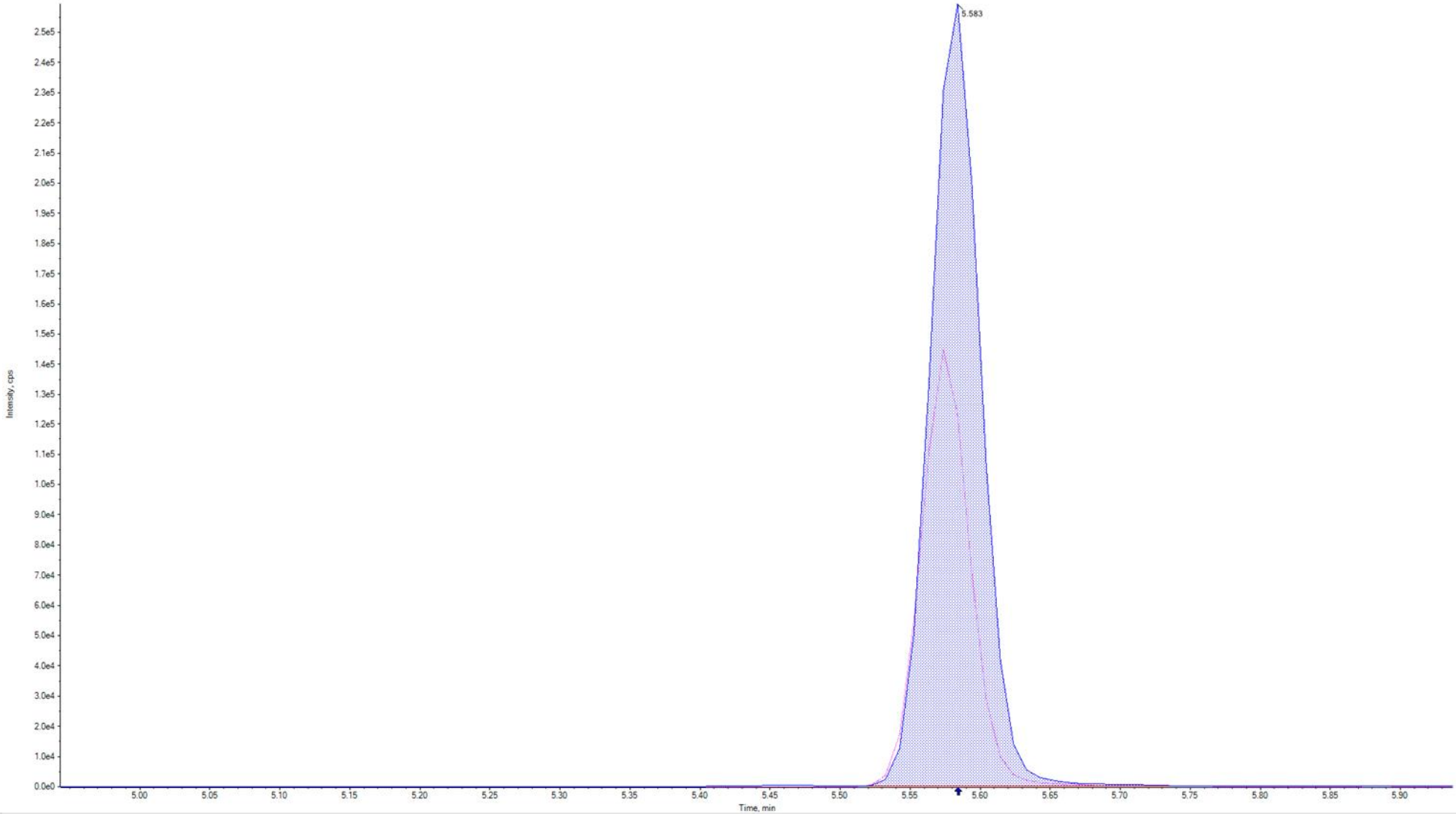
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Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

PFTrDA_2
Sample: IA1633STD-2.5 S/N:2110.6 Points Across peak:21



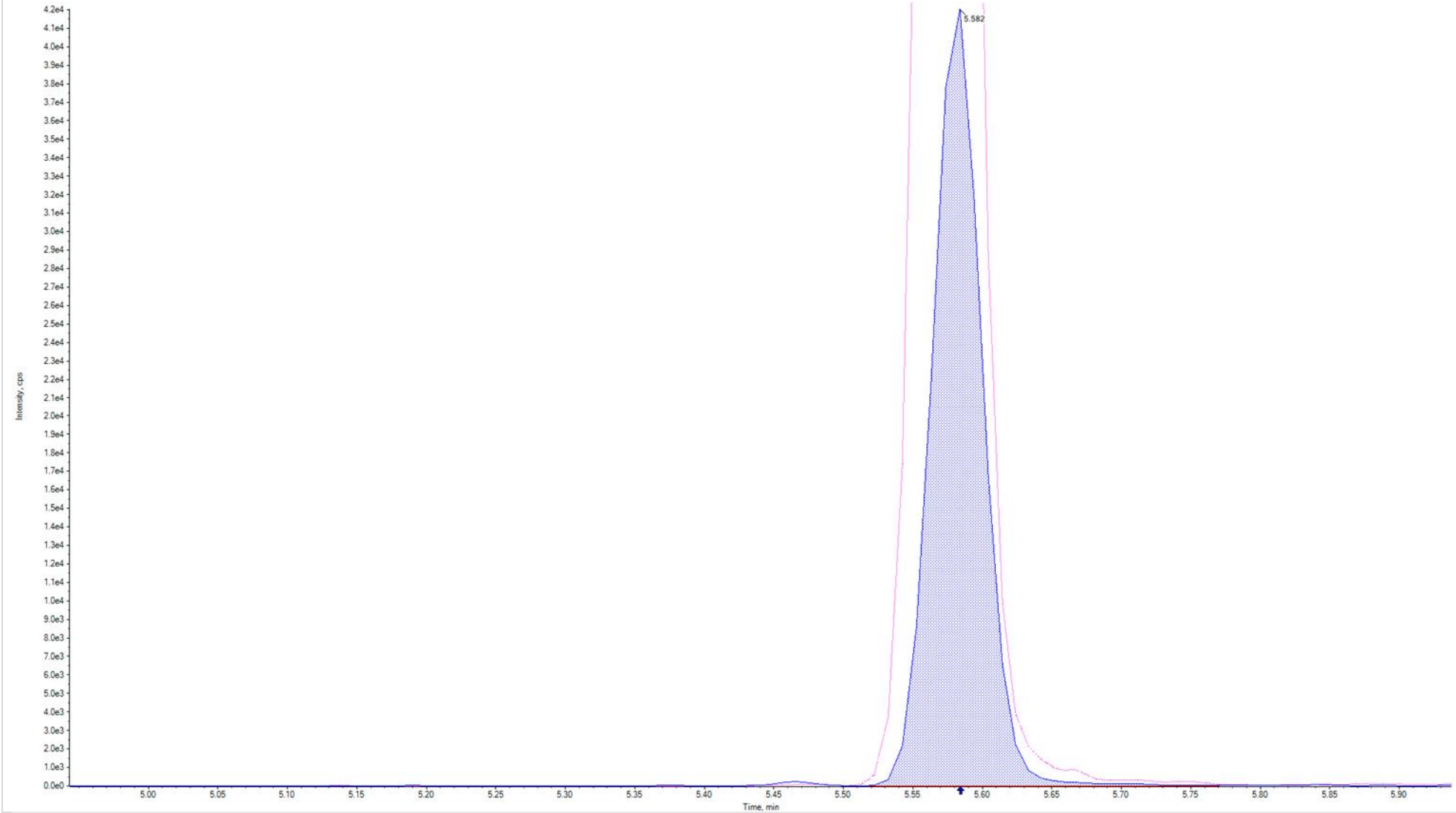
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Alpha Analytical LLC
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PFTeDA
Sample: IA1633STD-2.5 S/N:7968.9 Points Across peak:27



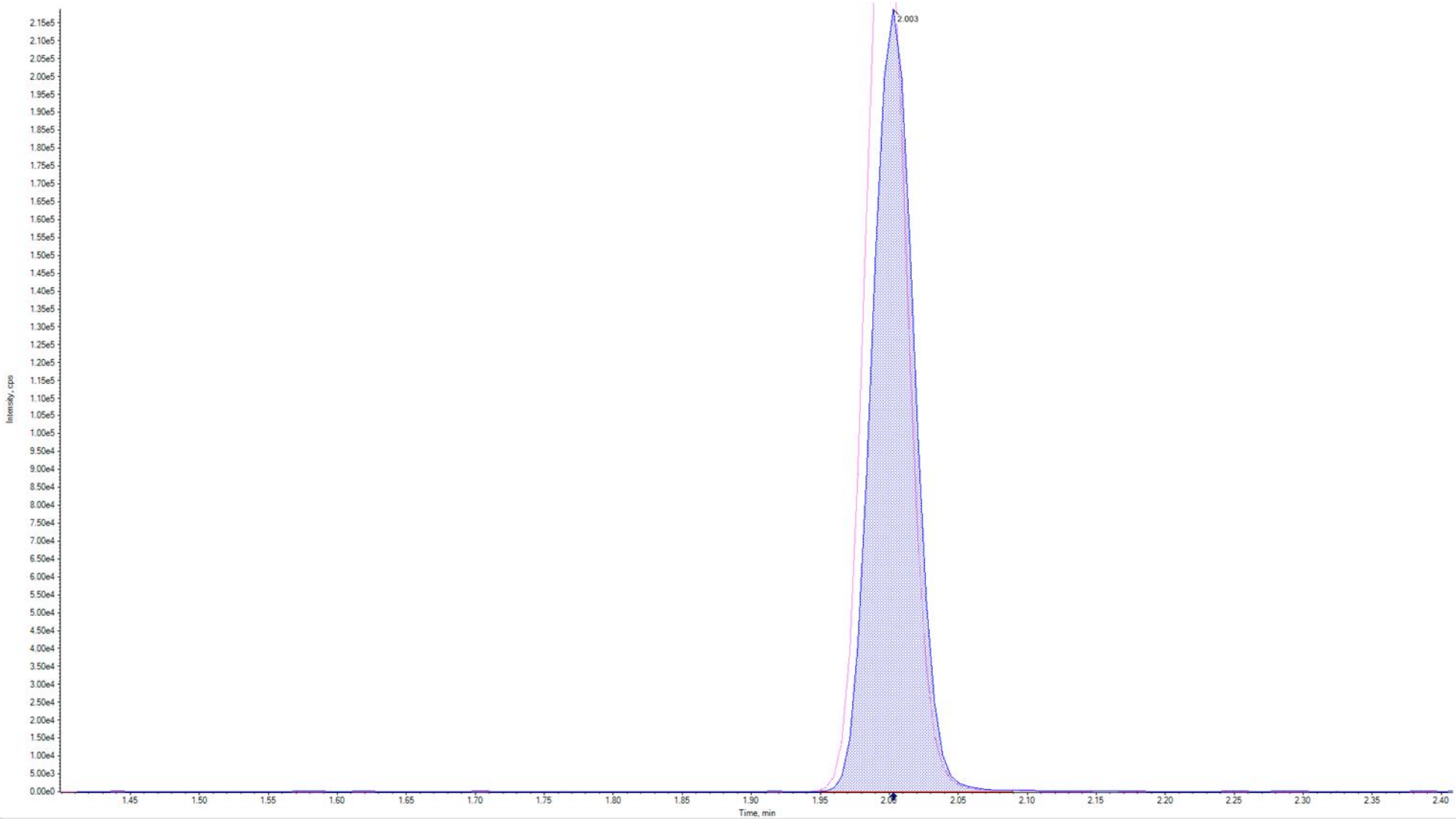
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFTeDA_2
Sample: IA1633STD-2.5 S/N:2112.4 Points Across peak:28



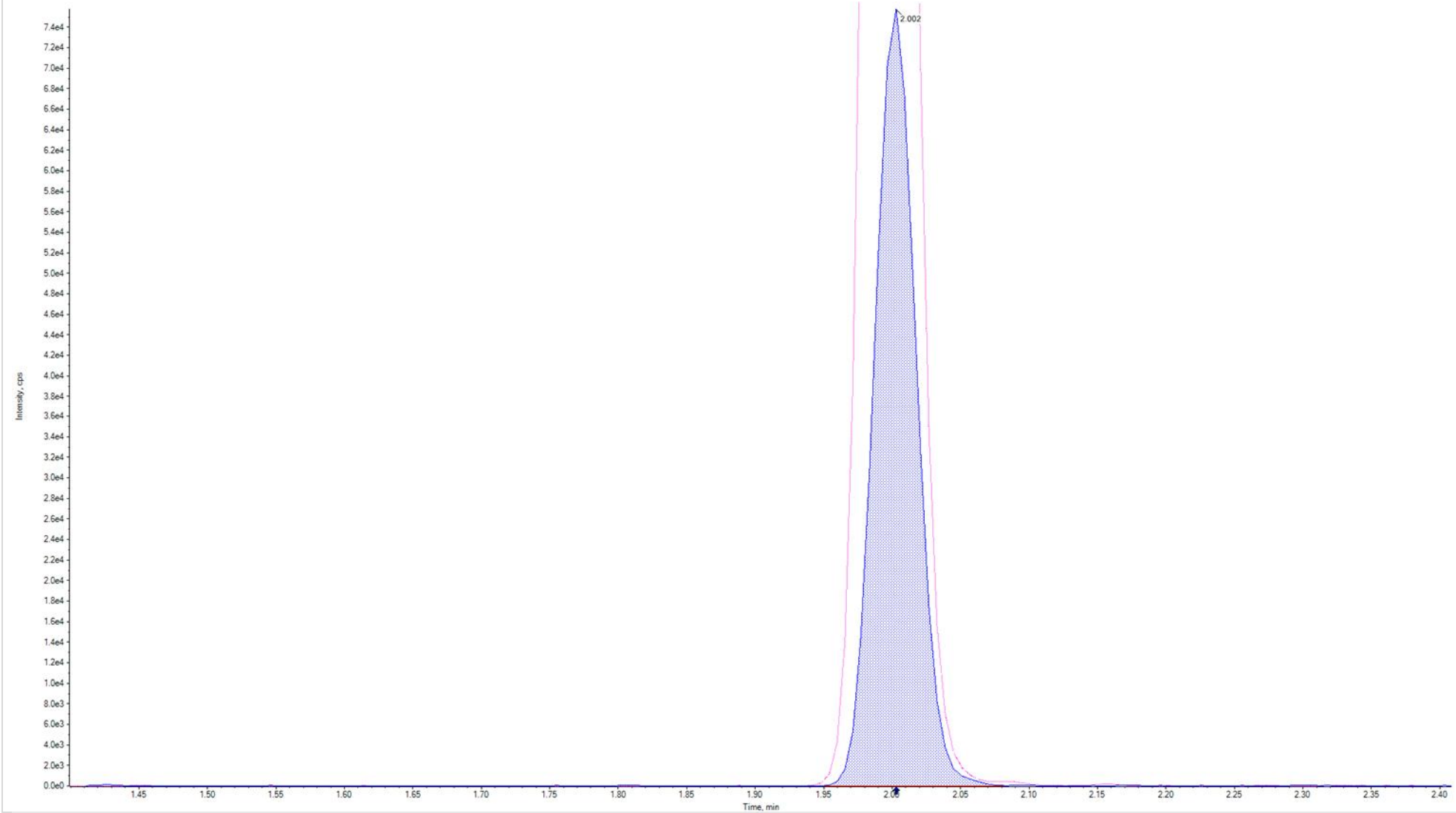
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFBS
Sample: IA1633STD-2.5 S/N:5484.9 Points Across peak:26



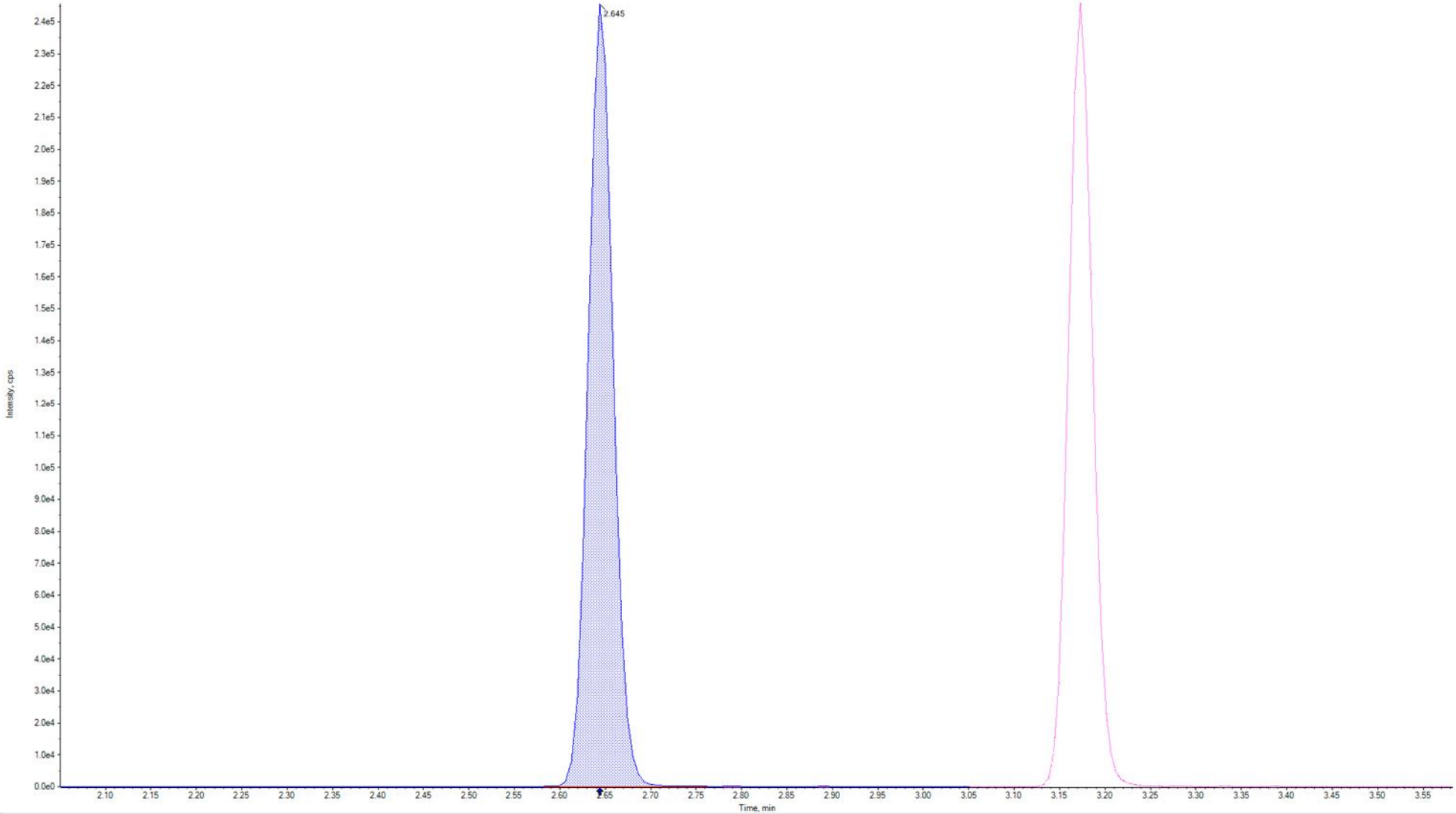
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Alpha Analytical LLC
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PFBS_2
Sample: IA1633STD-2.5 S/N:1899.0 Points Across peak:29



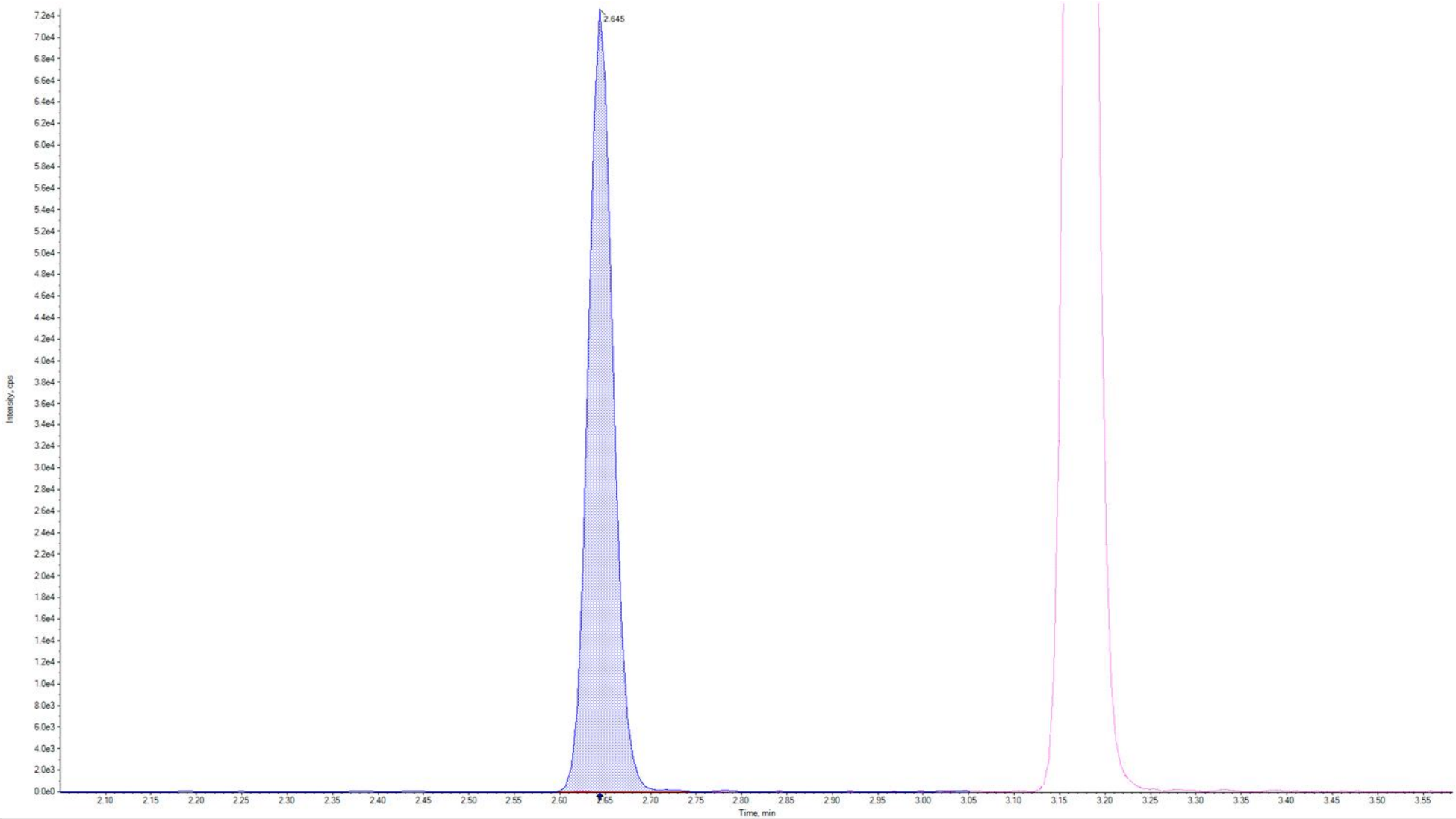
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Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

PFPeS
Sample: IA1633STD-2.5 S/N:3840.5 Points Across peak:35



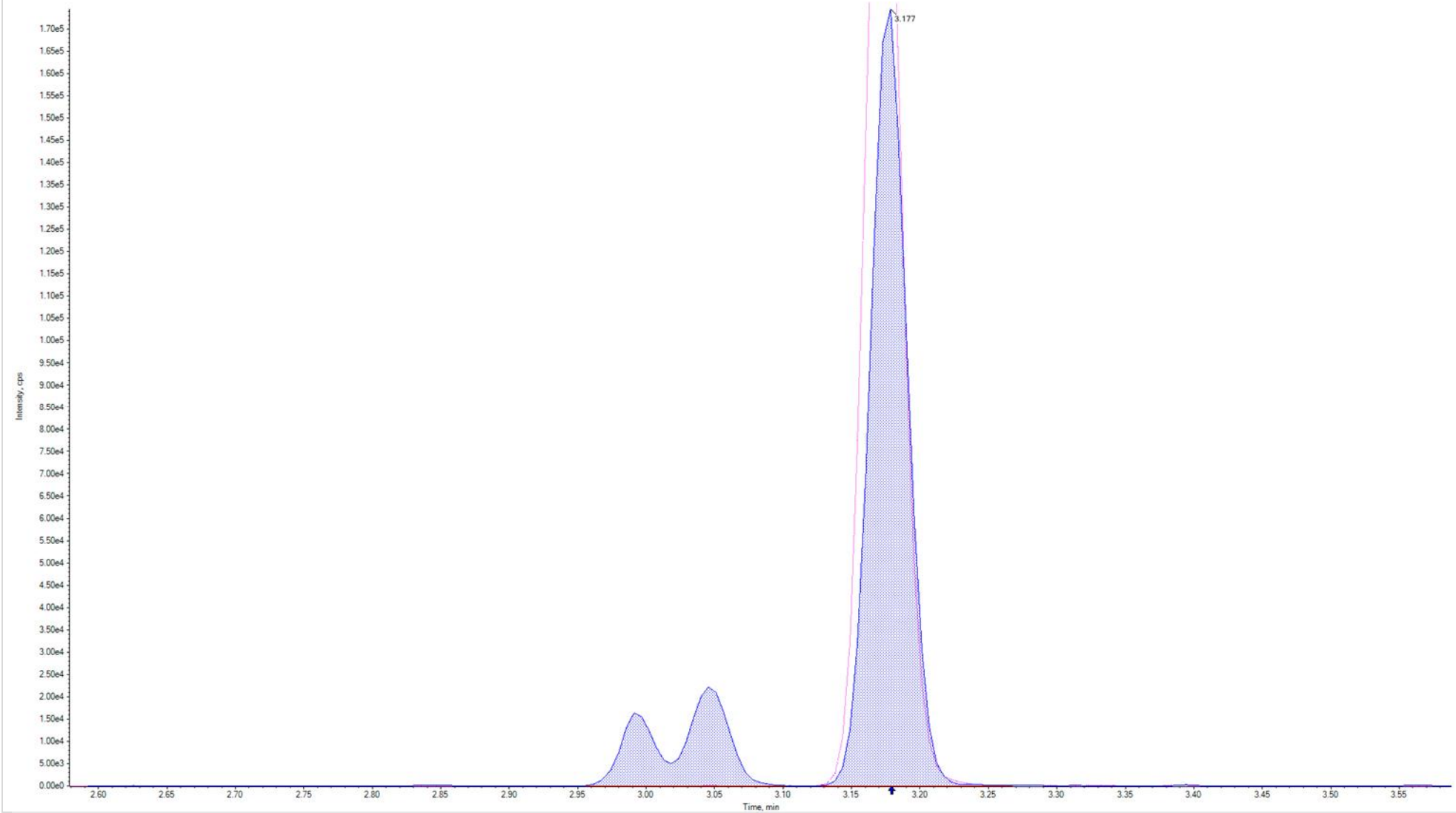
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Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

PFPeS_2
Sample: IA1633STD-2.5 S/N:1455.8 Points Across peak:31



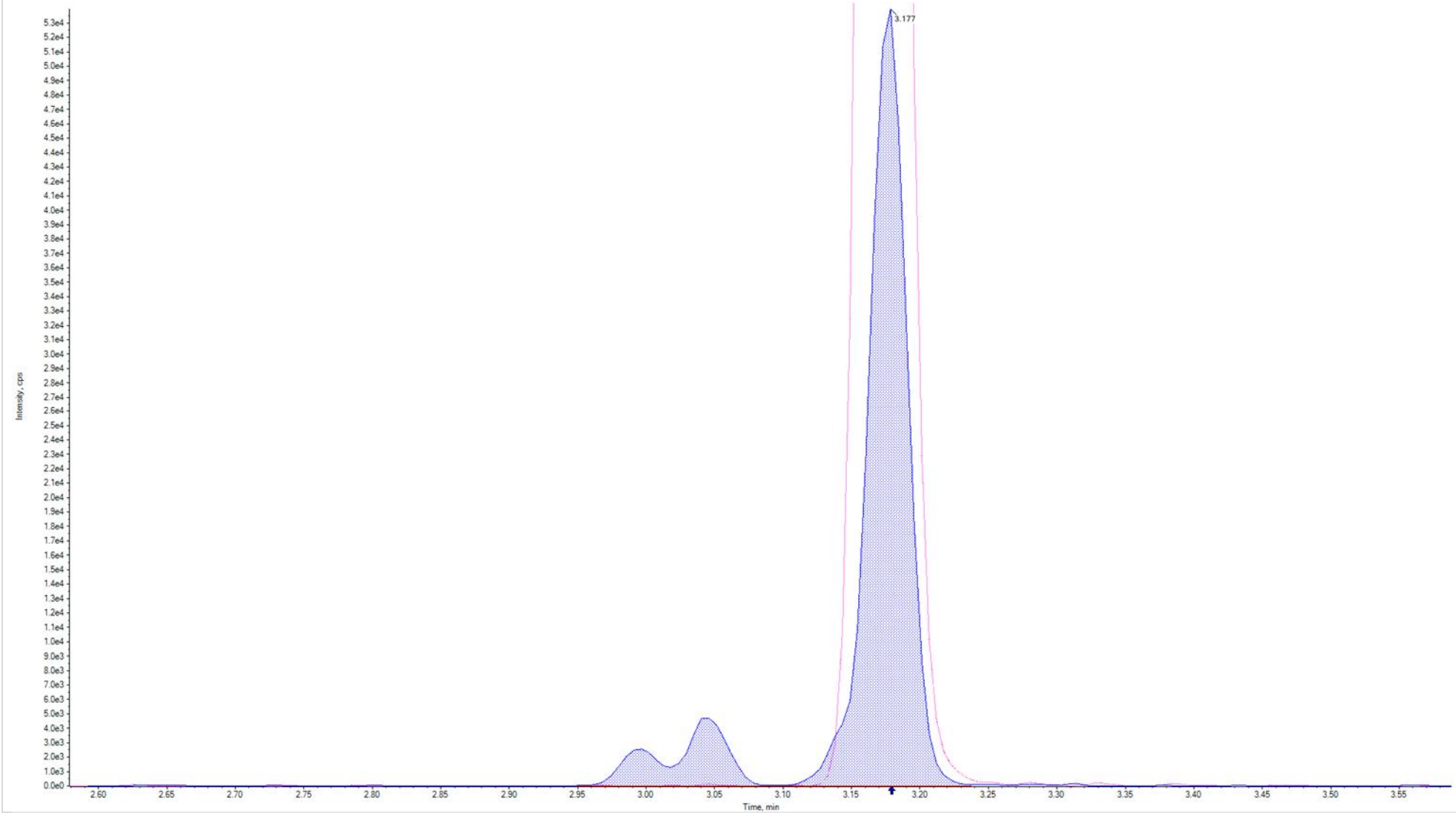
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFHxS
Sample: IA1633STD-2.5 S/N:901.8 Points Across peak:61



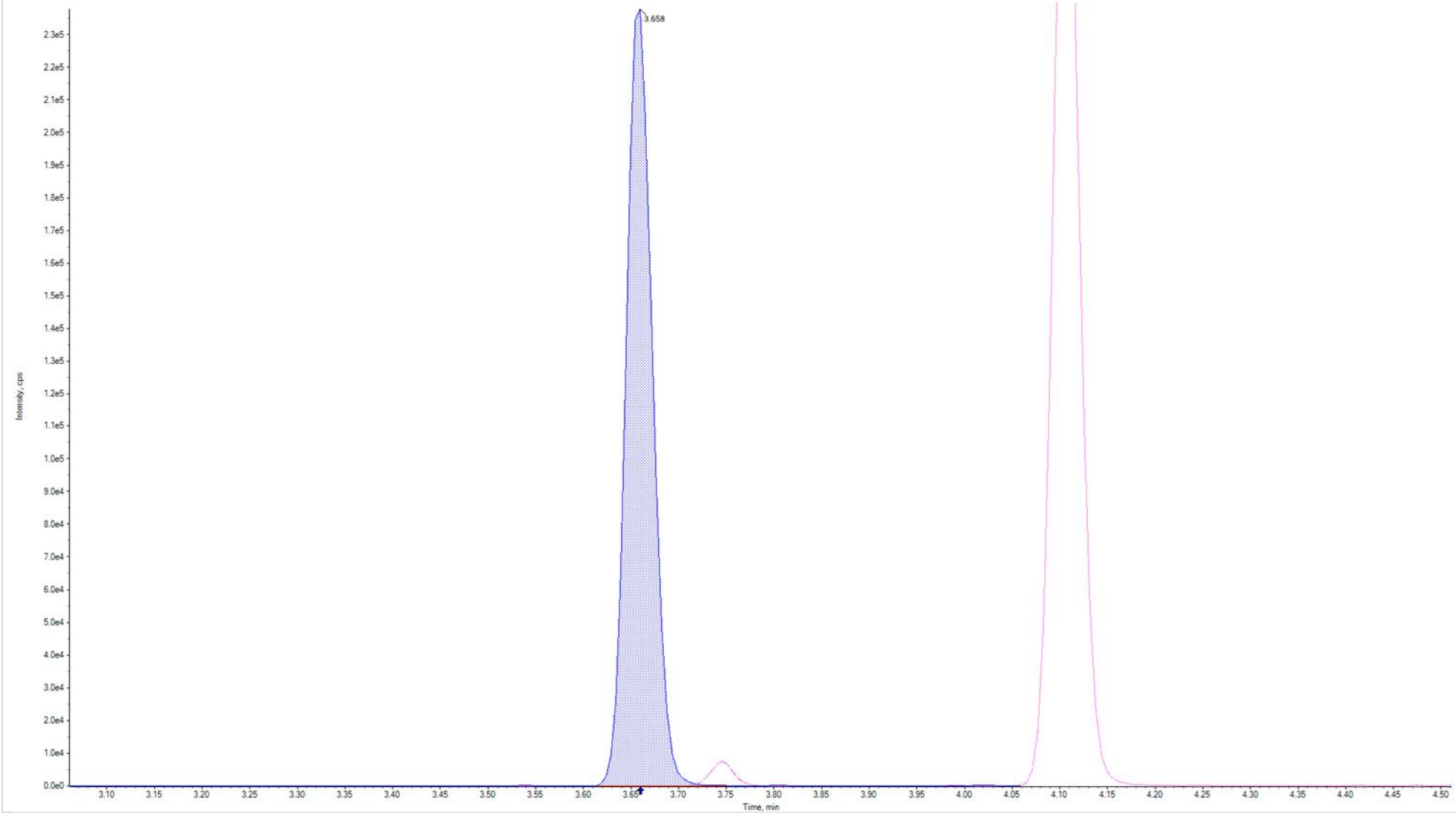
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

PFHxS_2
Sample: IA1633STD-2.5 S/N:882.9 Points Across peak:55



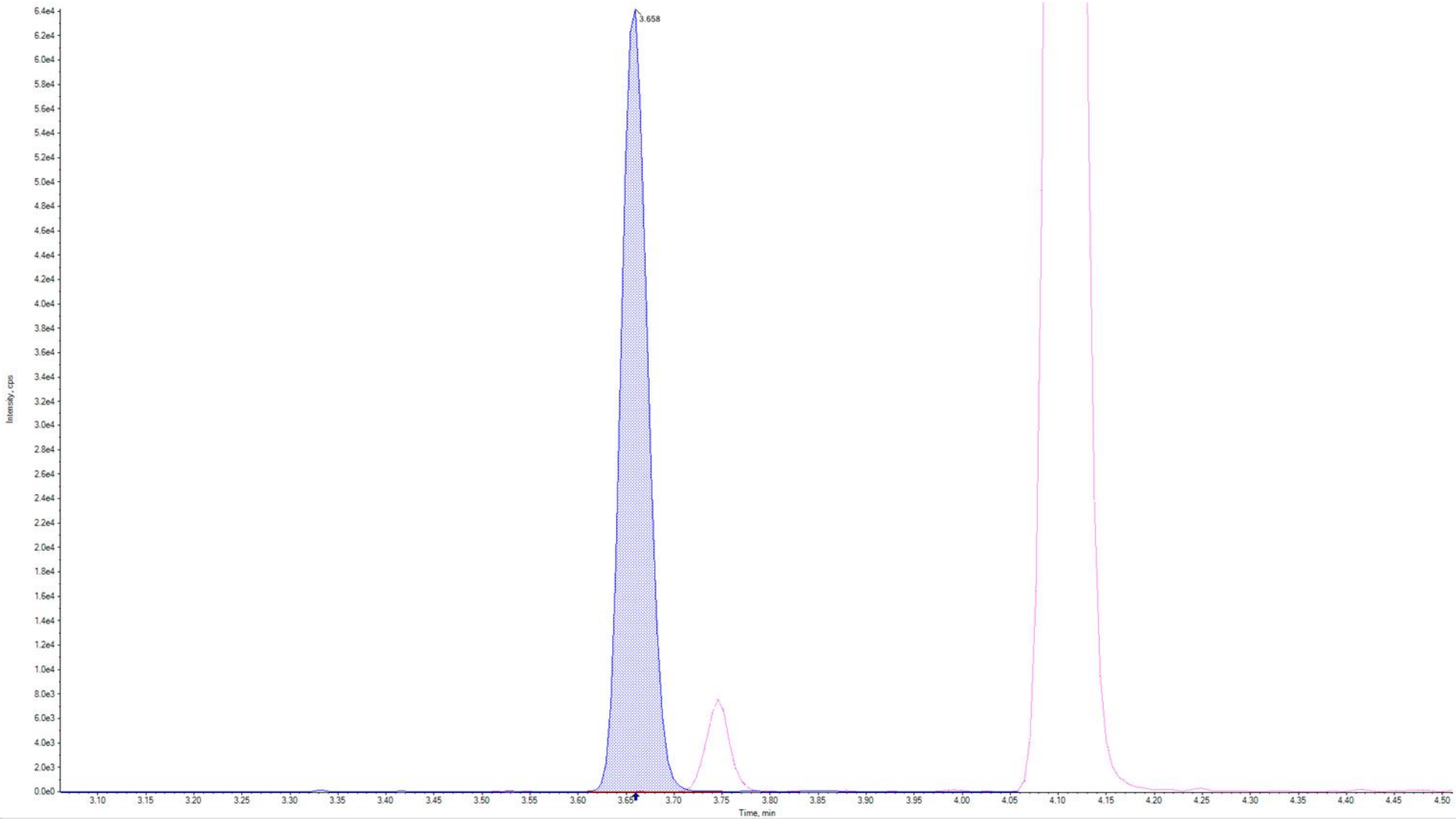
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFHpS
Sample: IA1633STD-2.5 S/N:4767.8 Points Across peak:33



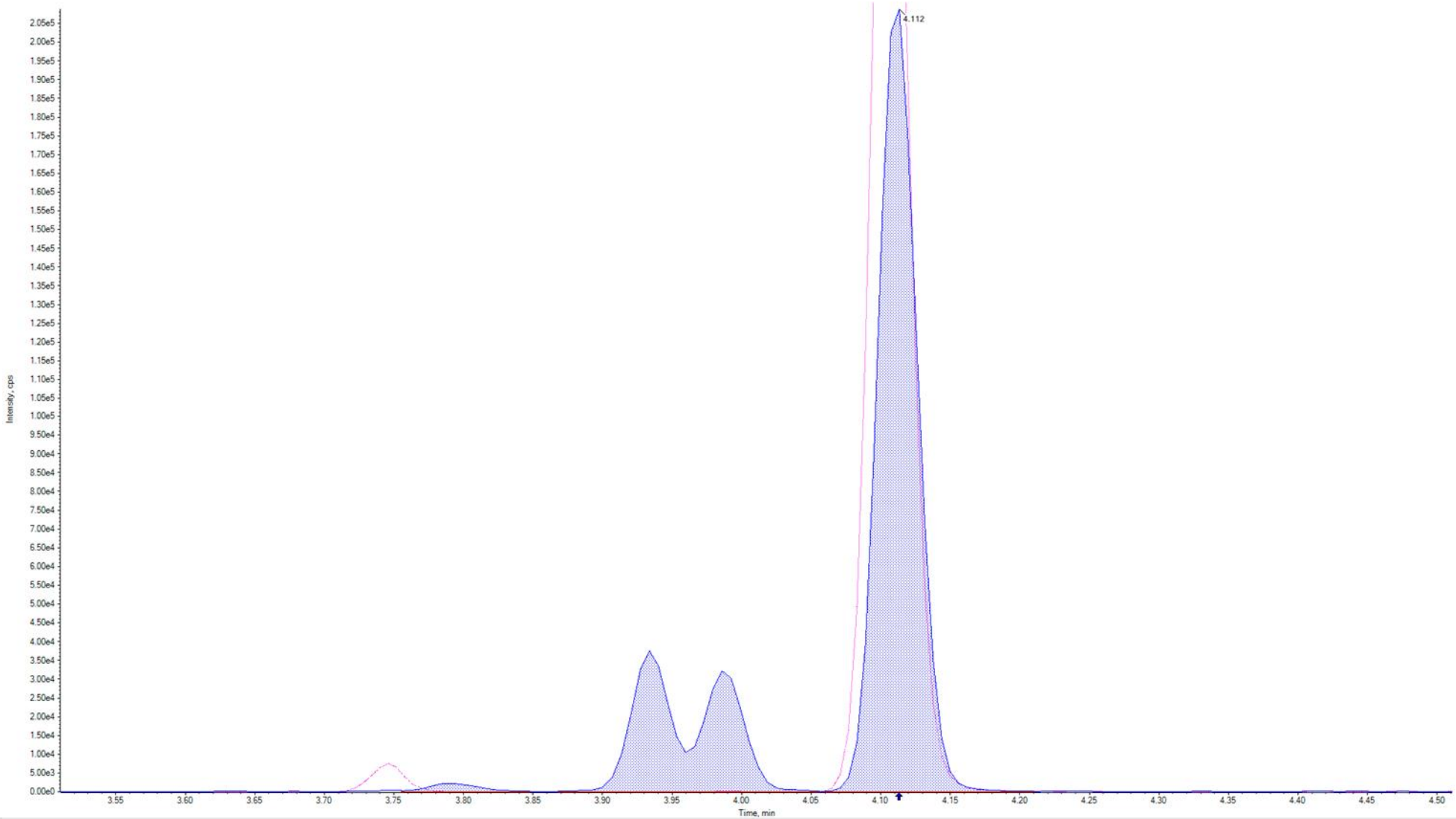
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFHpS_2
Sample: IA1633STD-2.5 S/N:1286.7 Points Across peak:34



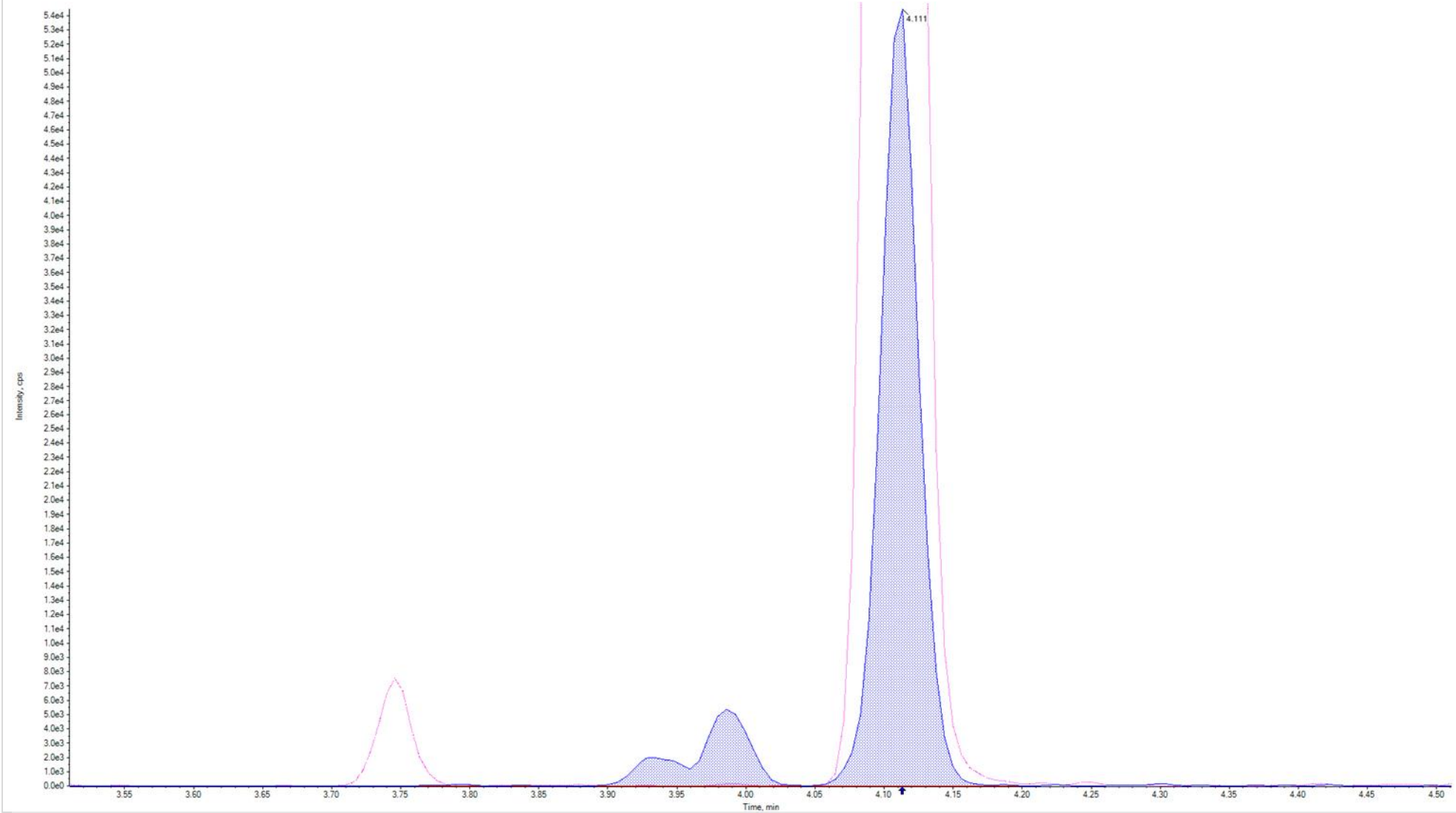
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_14.wiff2_4
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFOS
Sample: IA1633STD-2.5 S/N:515.6 Points Across peak:72



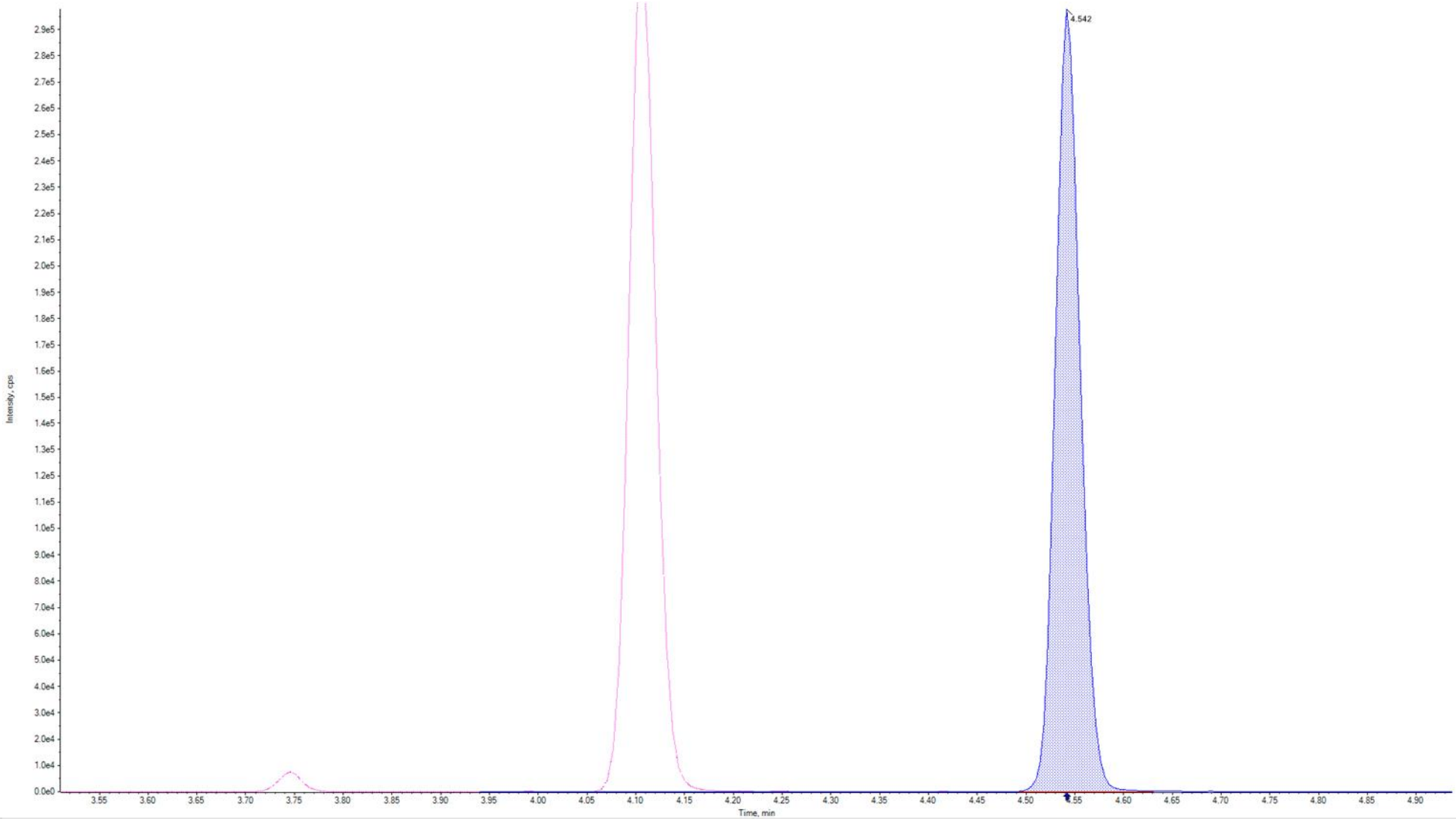
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_14.wiff2_4
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFOS_2
Sample: IA1633STD-2.5 S/N:802.9 Points Across peak:71



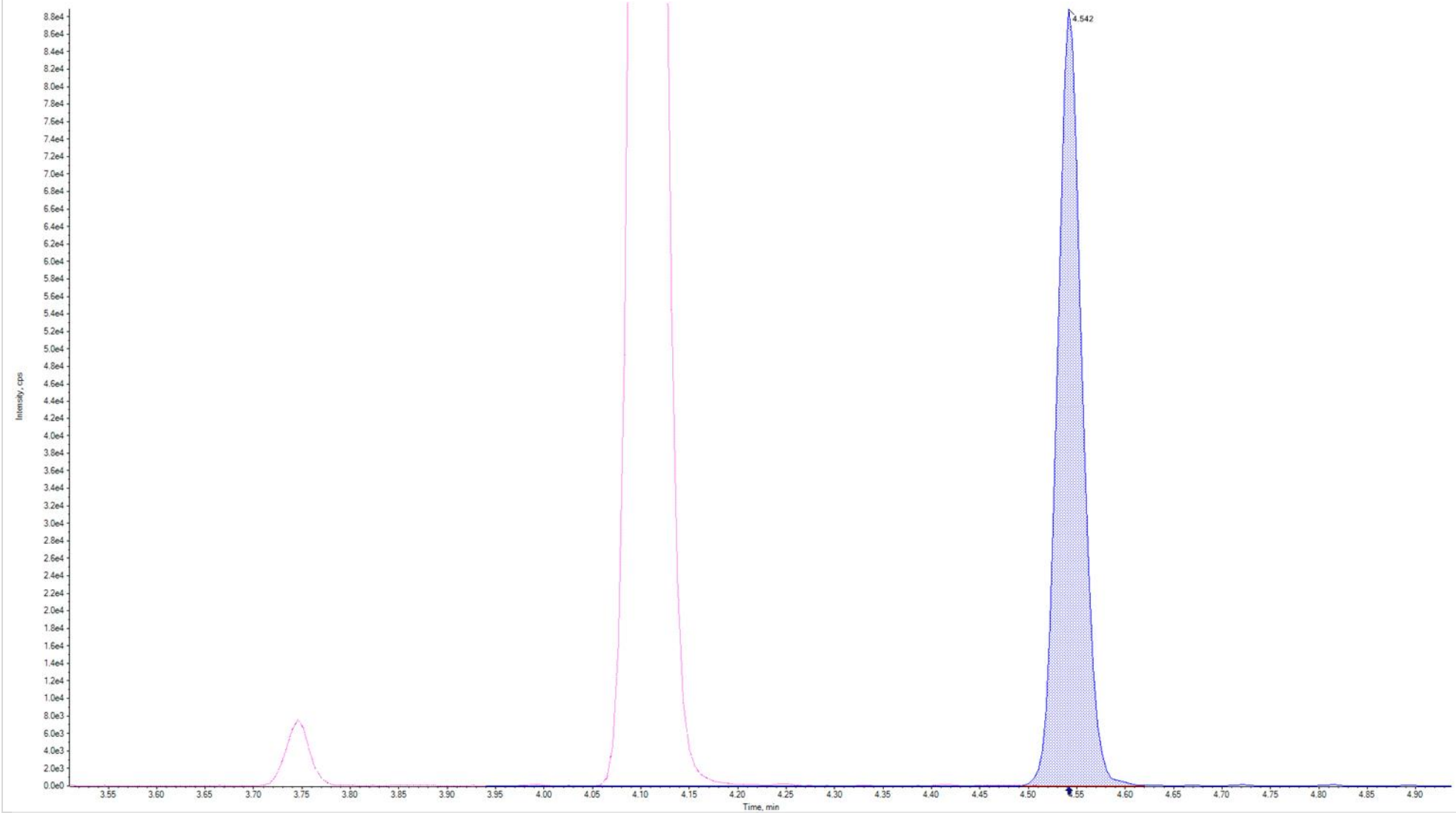
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_14.wiff2_4
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFNS
Sample: IA1633STD-2.5 S/N:6686.1 Points Across peak:36



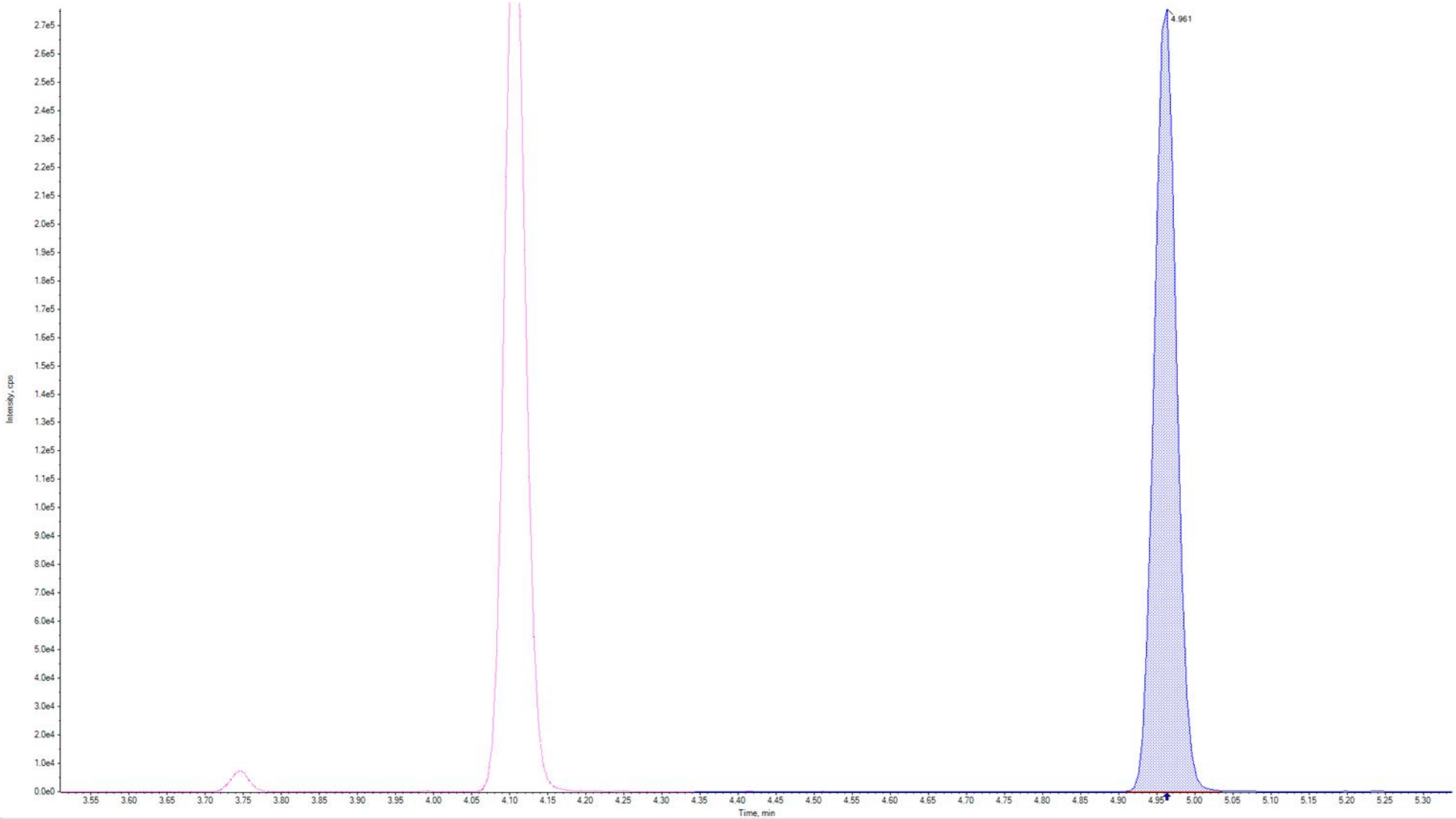
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_14.wiff2_4
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFNS_2
Sample: IA1633STD-2.5 S/N:2227.6 Points Across peak:36



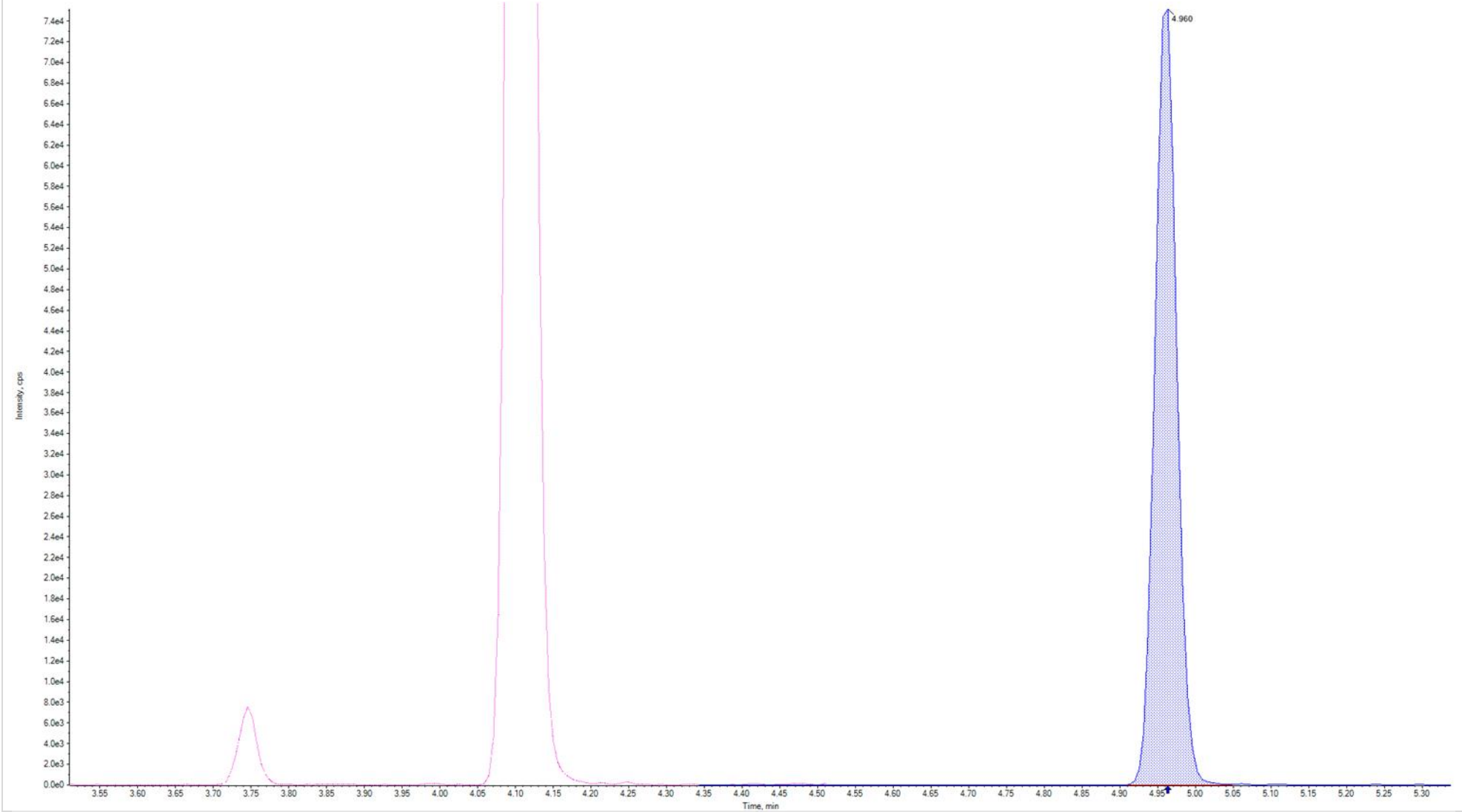
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_14.wiff2_4
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFDS
Sample: IA1633STD-2.5 S/N:7576.2 Points Across peak:26



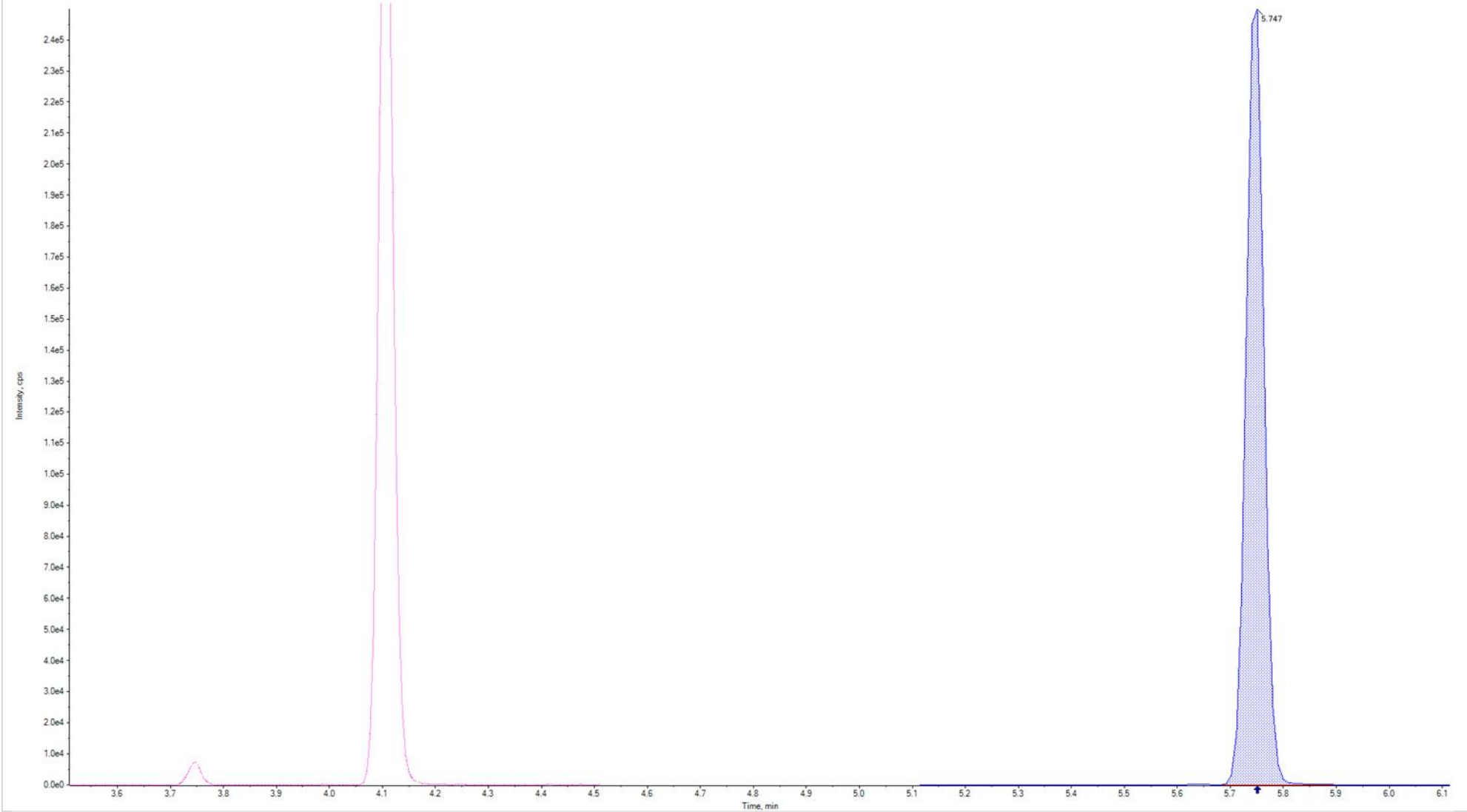
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFDS_2
Sample: IA1633STD-2.5 S/N:2637.9 Points Across peak:26



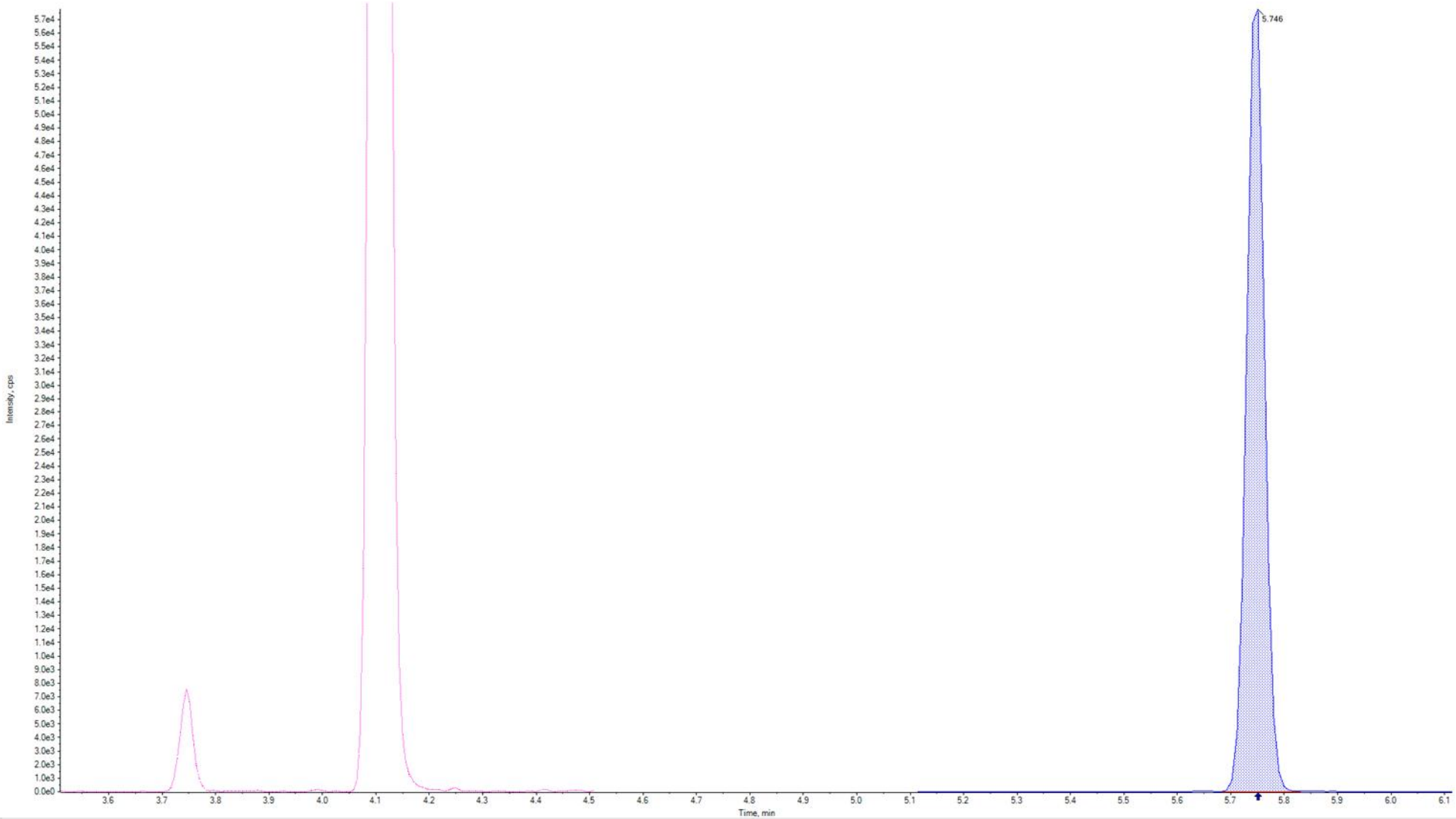
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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PFDoS
Sample: IA1633STD-2.5 S/N:19418.5 Points Across peak:30



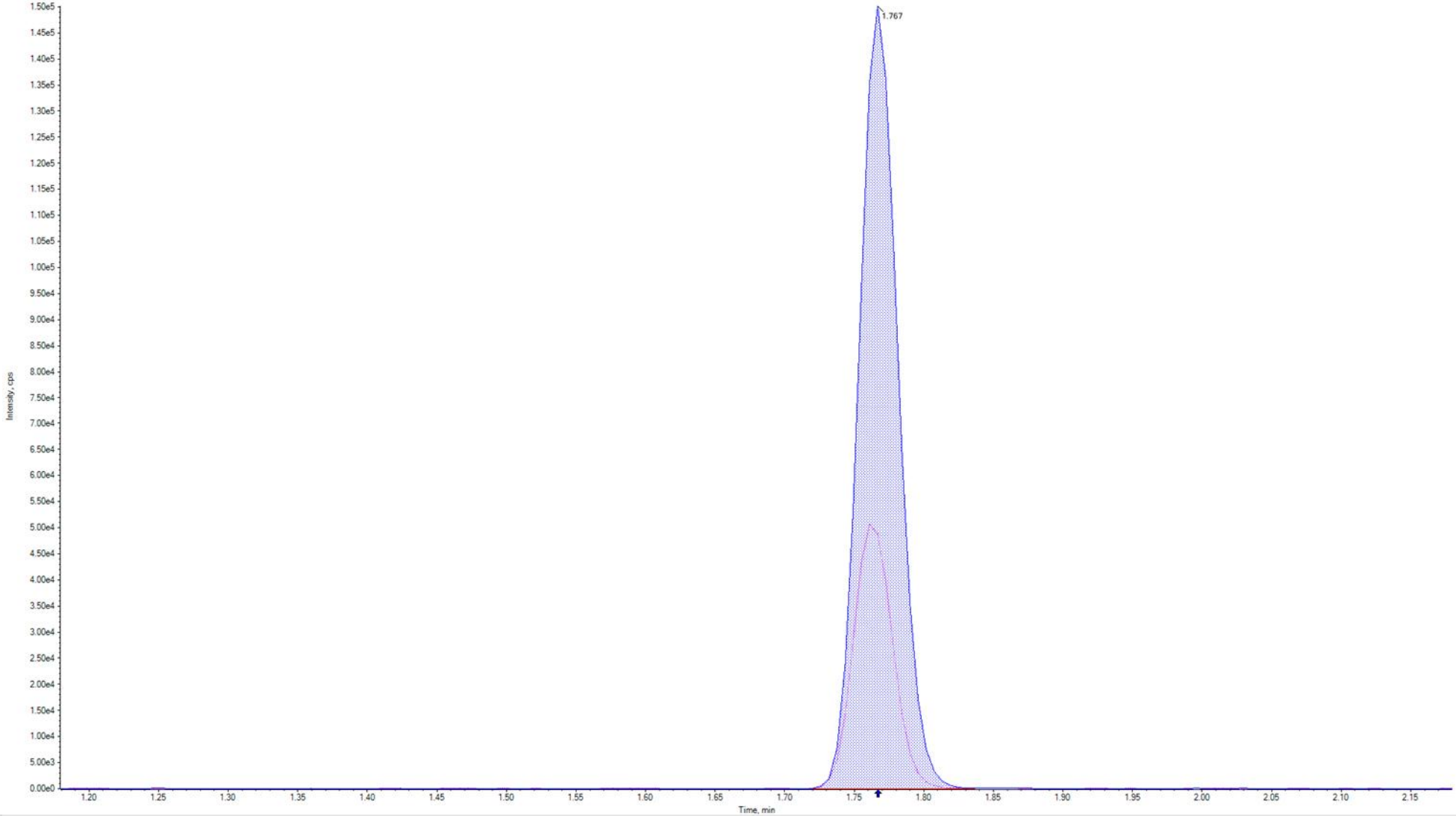
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFDoS_2
Sample: IA1633STD-2.5 S/N:4325.7 Points Across peak:16



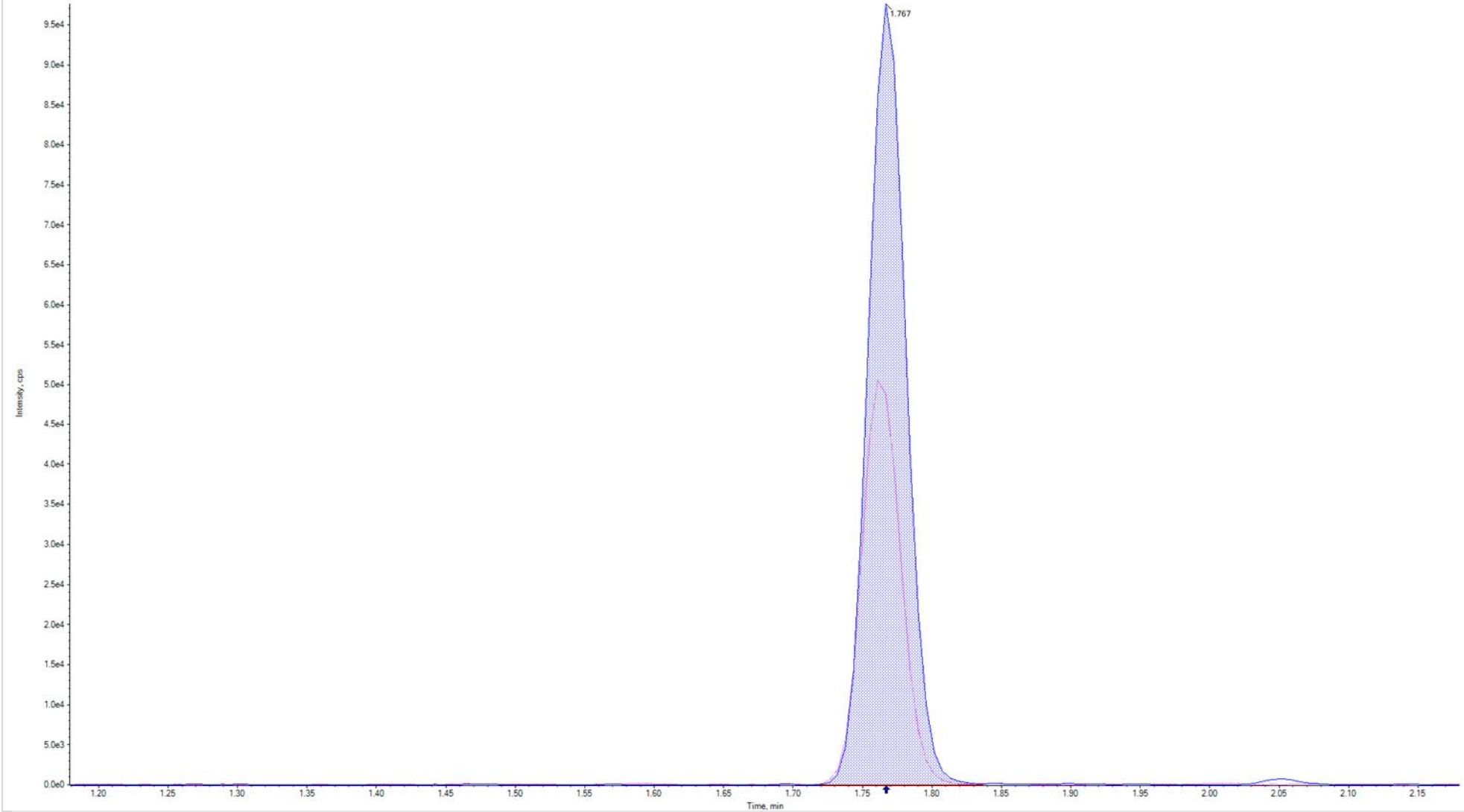
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

4:2FTS
Sample: IA1633STD-2.5 S/N:5644.3 Points Across peak:24



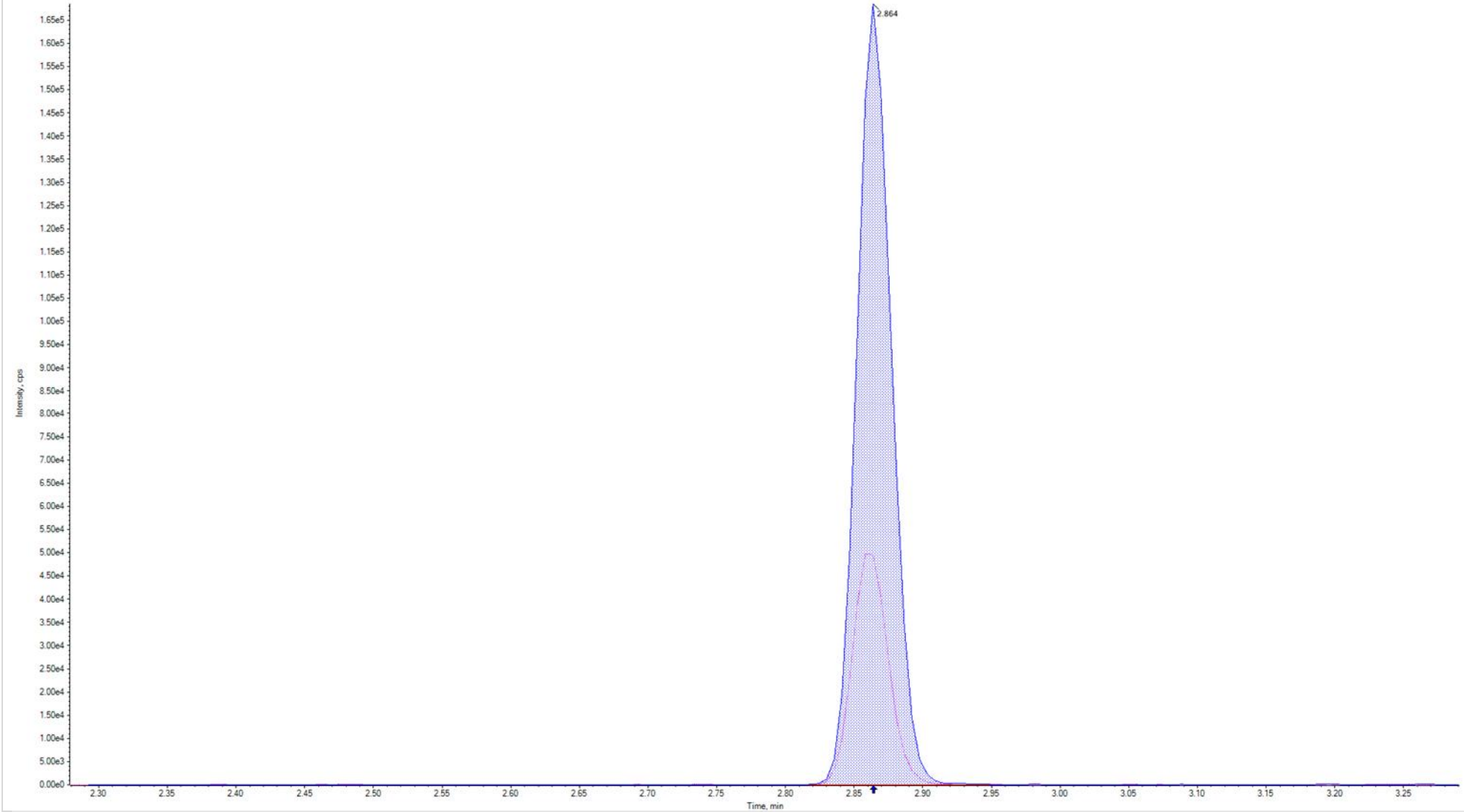
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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4:2FTS_2
Sample: IA1633STD-2.5 S/N:2570.8 Points Across peak:22



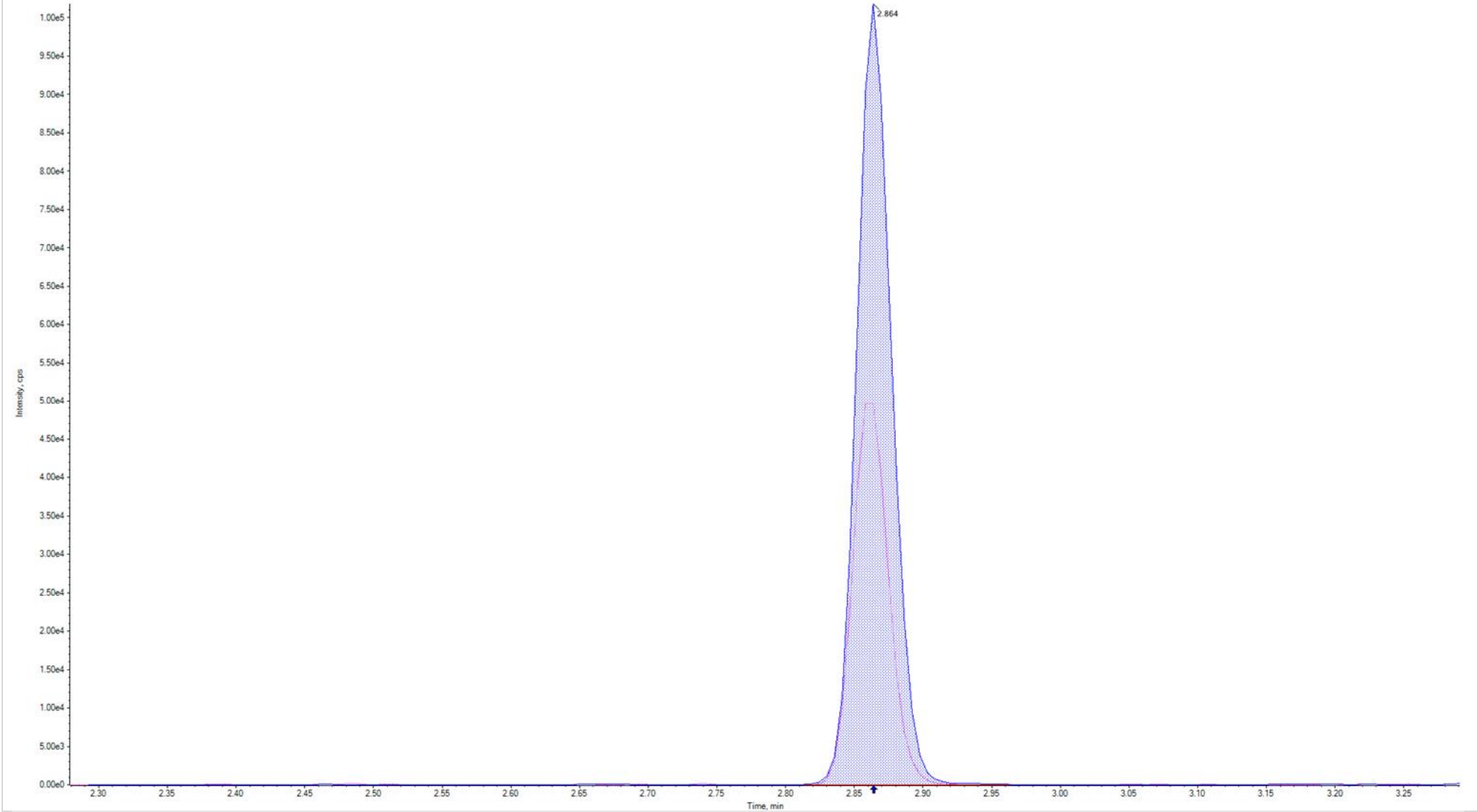
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Alpha Analytical LLC
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6:2FTS
Sample: IA1633STD-2.5 S/N:3379.1 Points Across peak:31



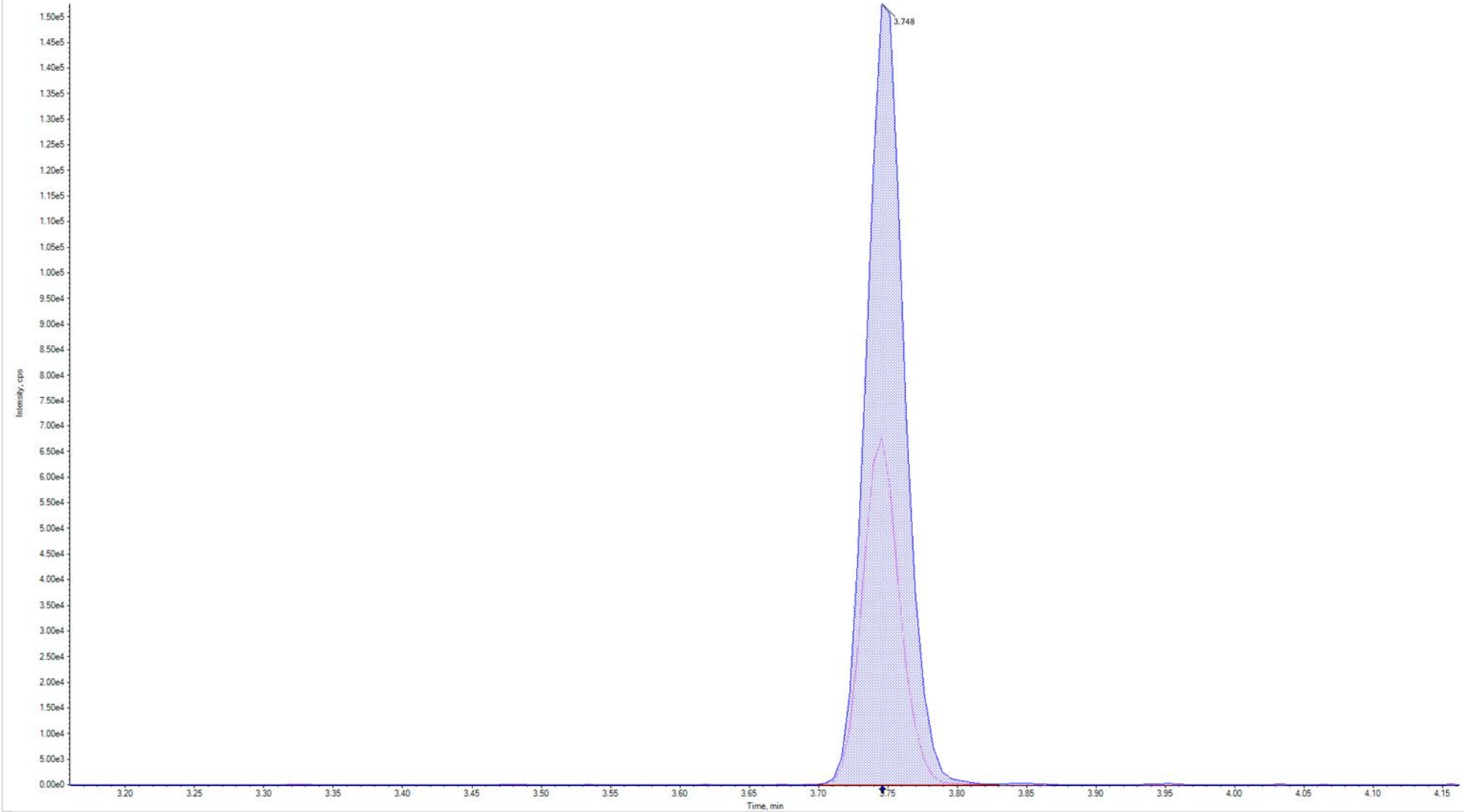
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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6:2FTS_2
Sample: IA1633STD-2.5 S/N:2040.9 Points Across peak:38



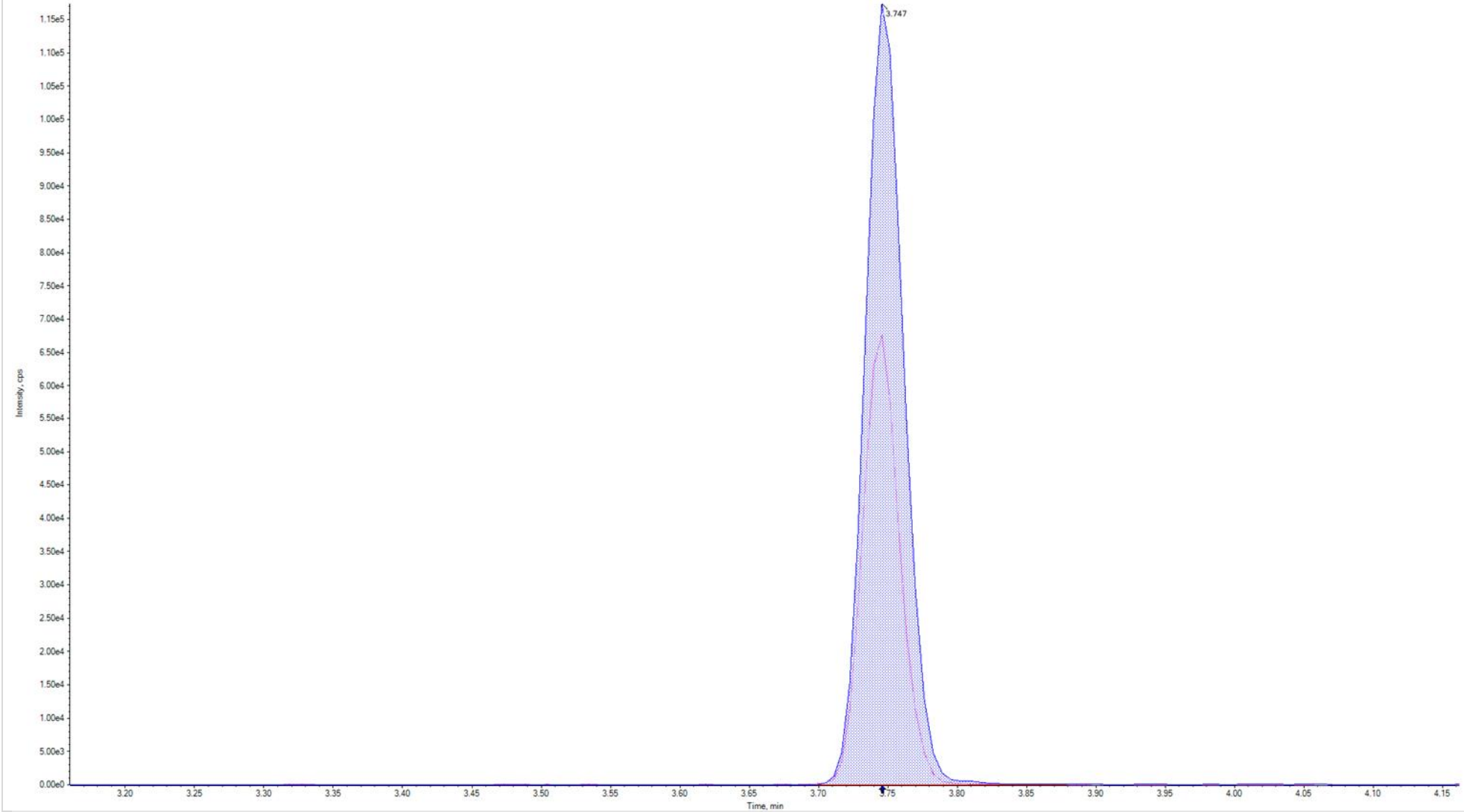
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

8:2FTS
Sample: IA1633STD-2.5 S/N:3058.4 Points Across peak:27



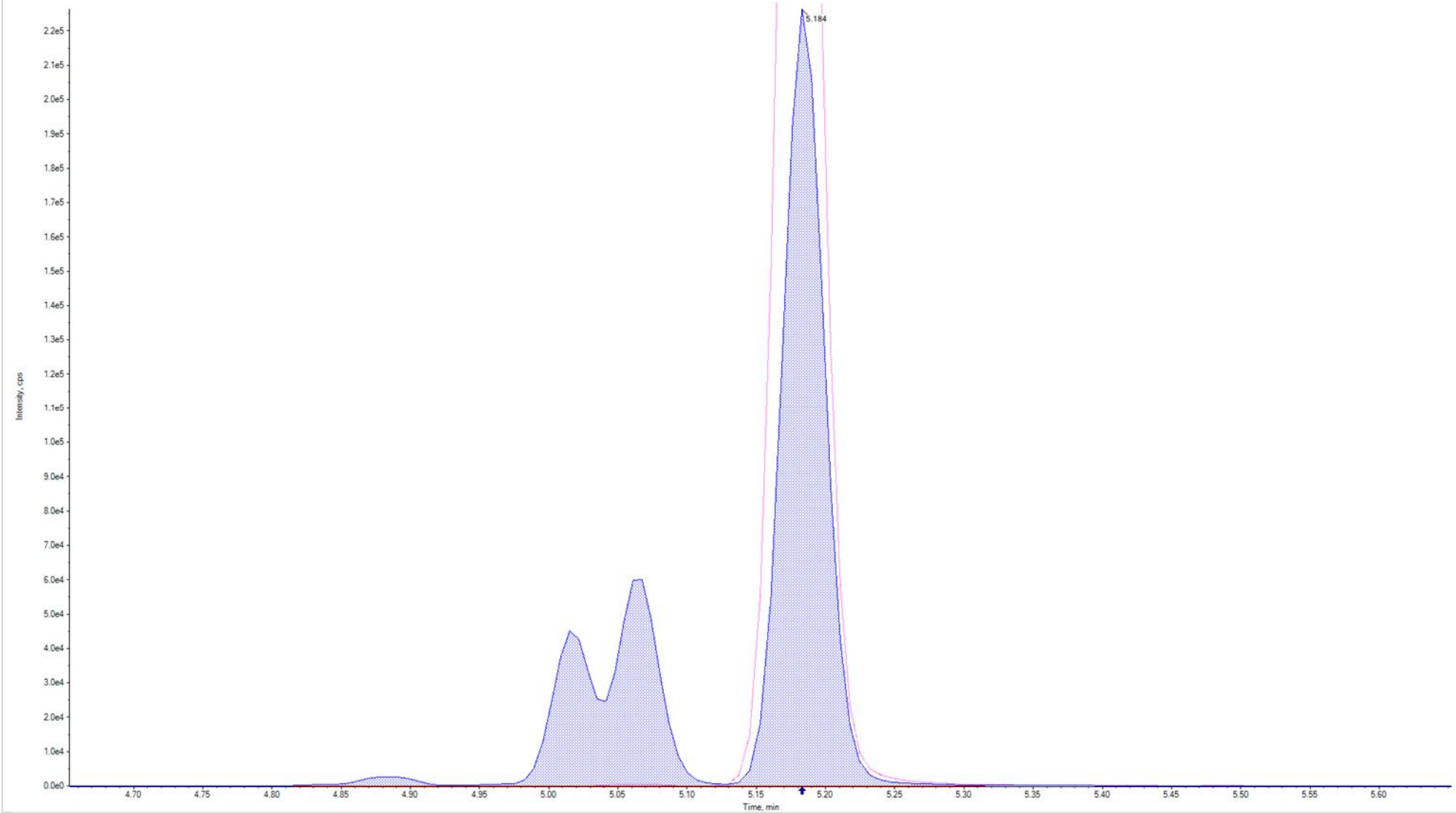
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

8:2FTS_2
Sample: IA1633STD-2.5 S/N:2353.4 Points Across peak:32



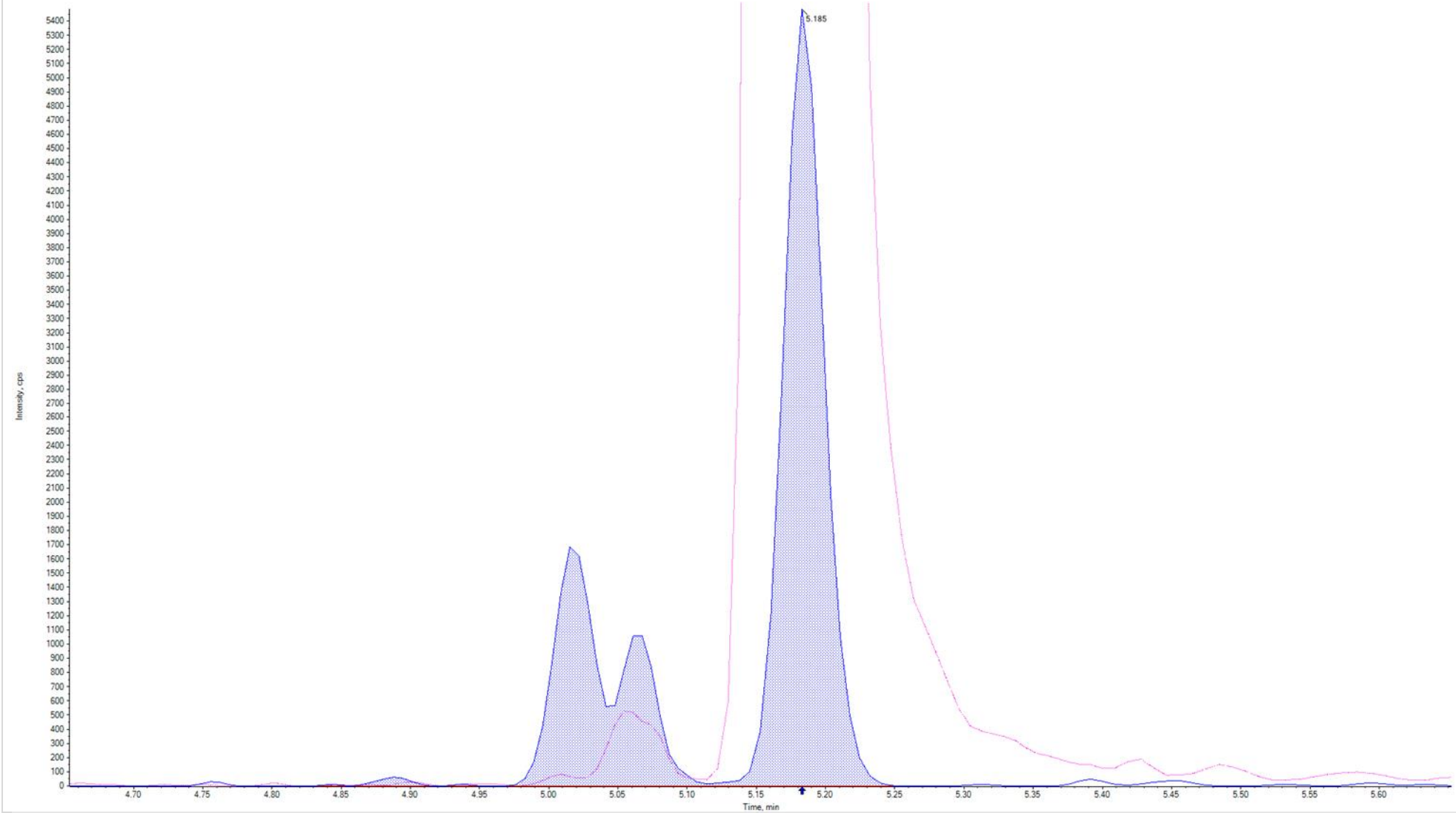
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFOSA
Sample: IA1633STD-2.5 S/N:246.5 Points Across peak:81



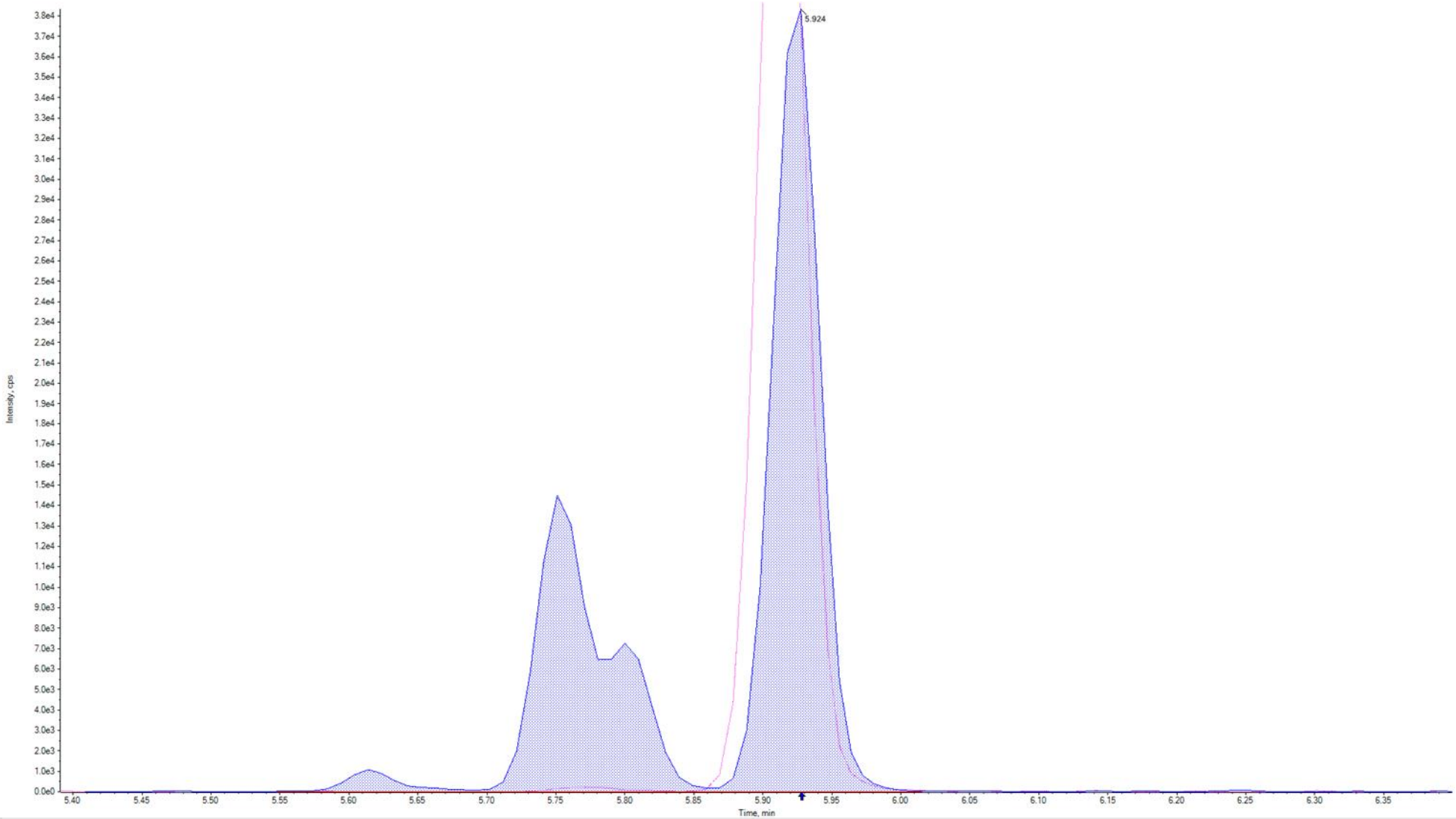
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Alpha Analytical LLC
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PFOSA_2
Sample: IA1633STD-2.5 S/N:240.7 Points Across peak:68



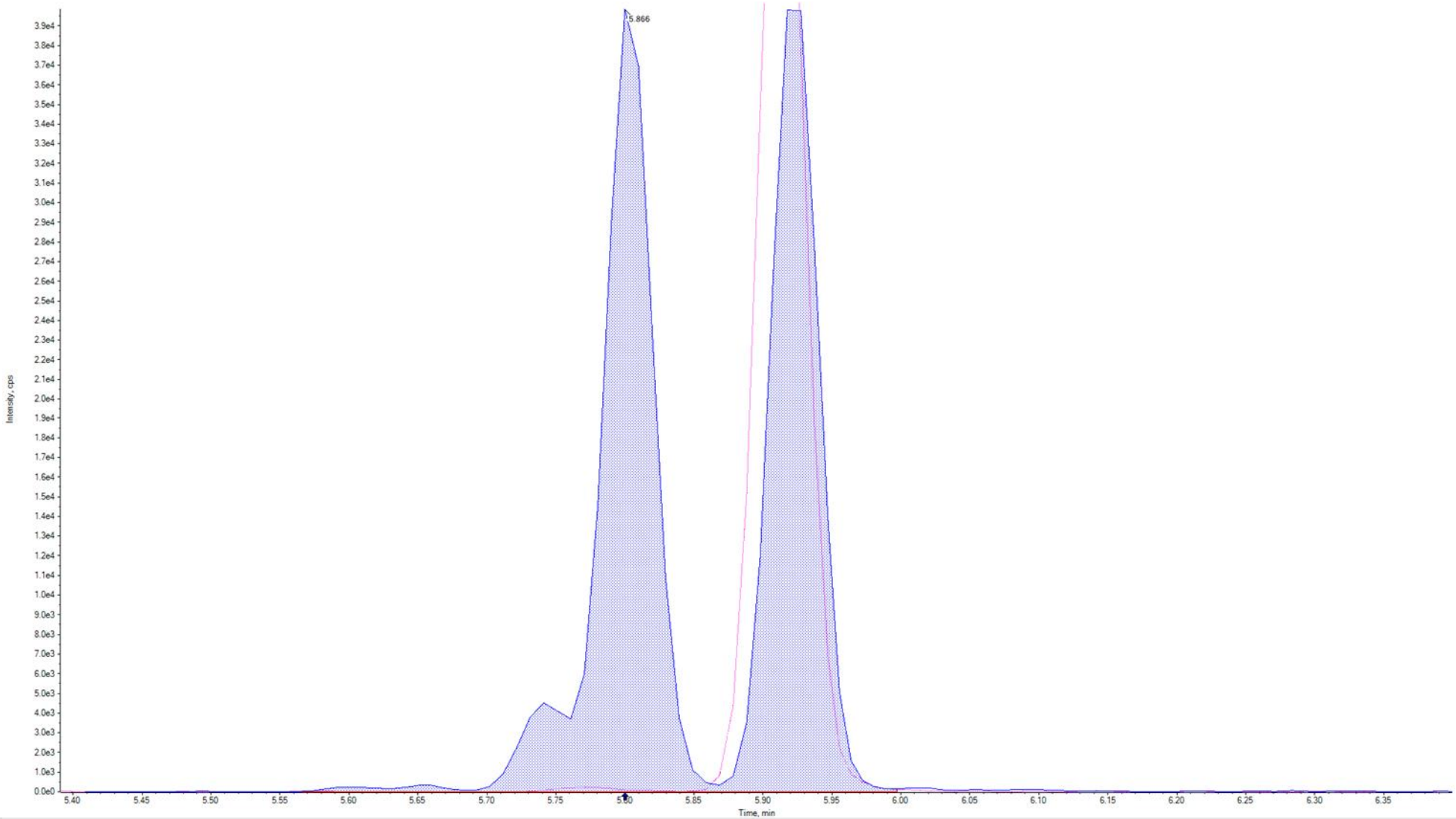
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Last Altered: 12/16/2024 8:11:58 PM
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NMeFOSA
Sample: IA1633STD-2.5 S/N:252.5 Points Across peak:55



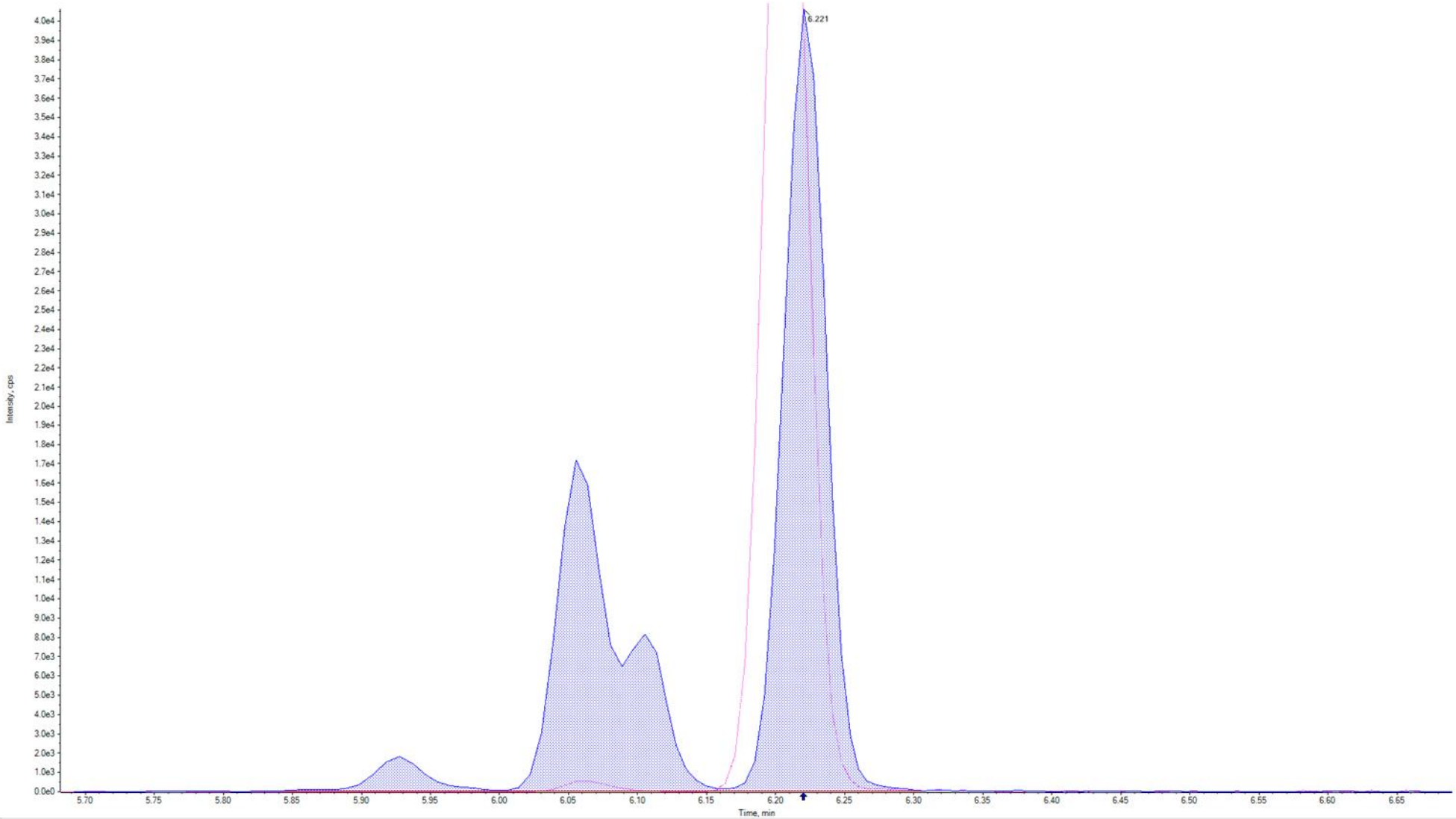
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NMeFOSA_2
Sample: IA1633STD-2.5 S/N:213.9 Points Across peak:49



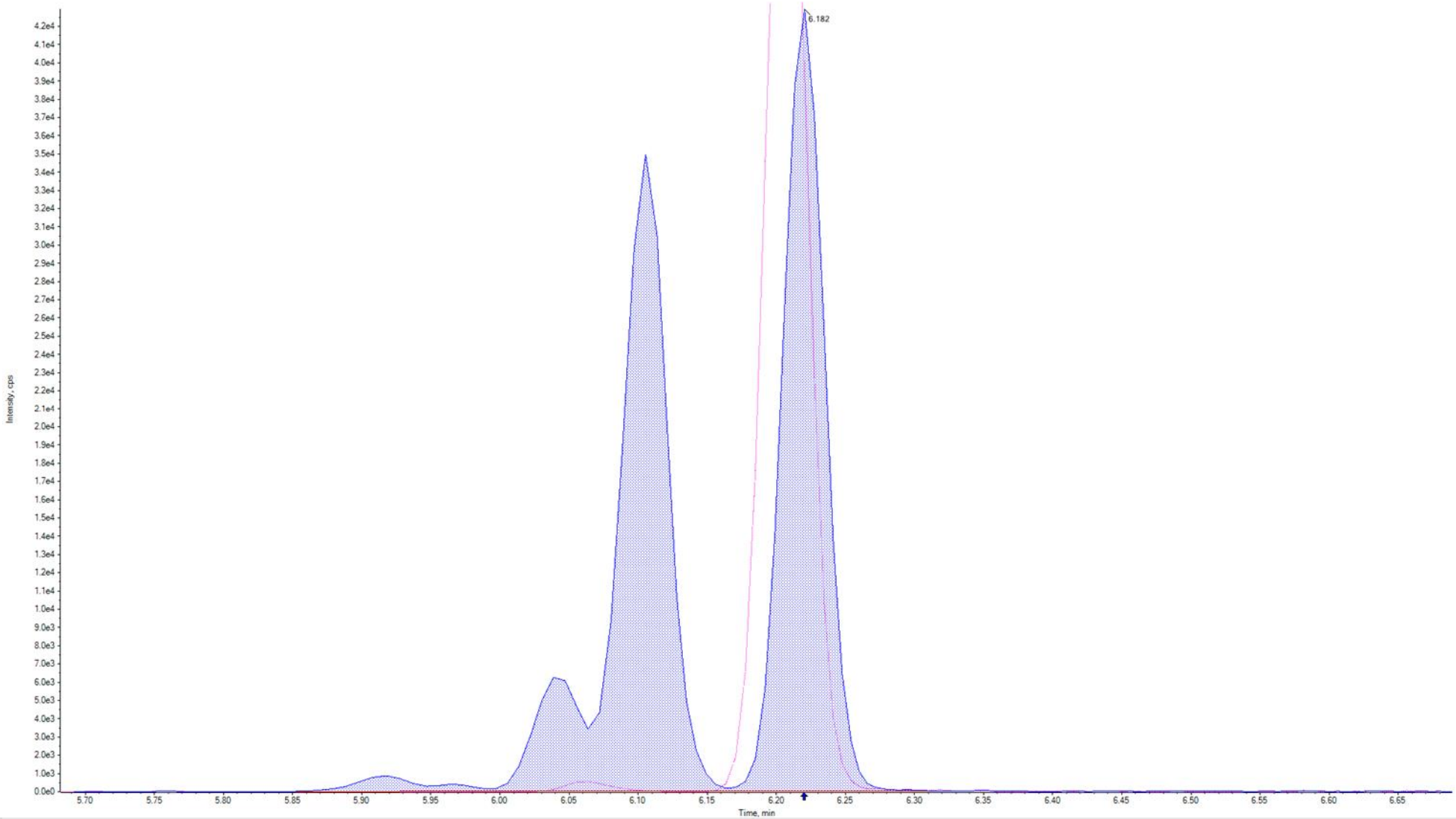
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NEtFOSA
Sample: IA1633STD-2.5 S/N:584.7 Points Across peak:62



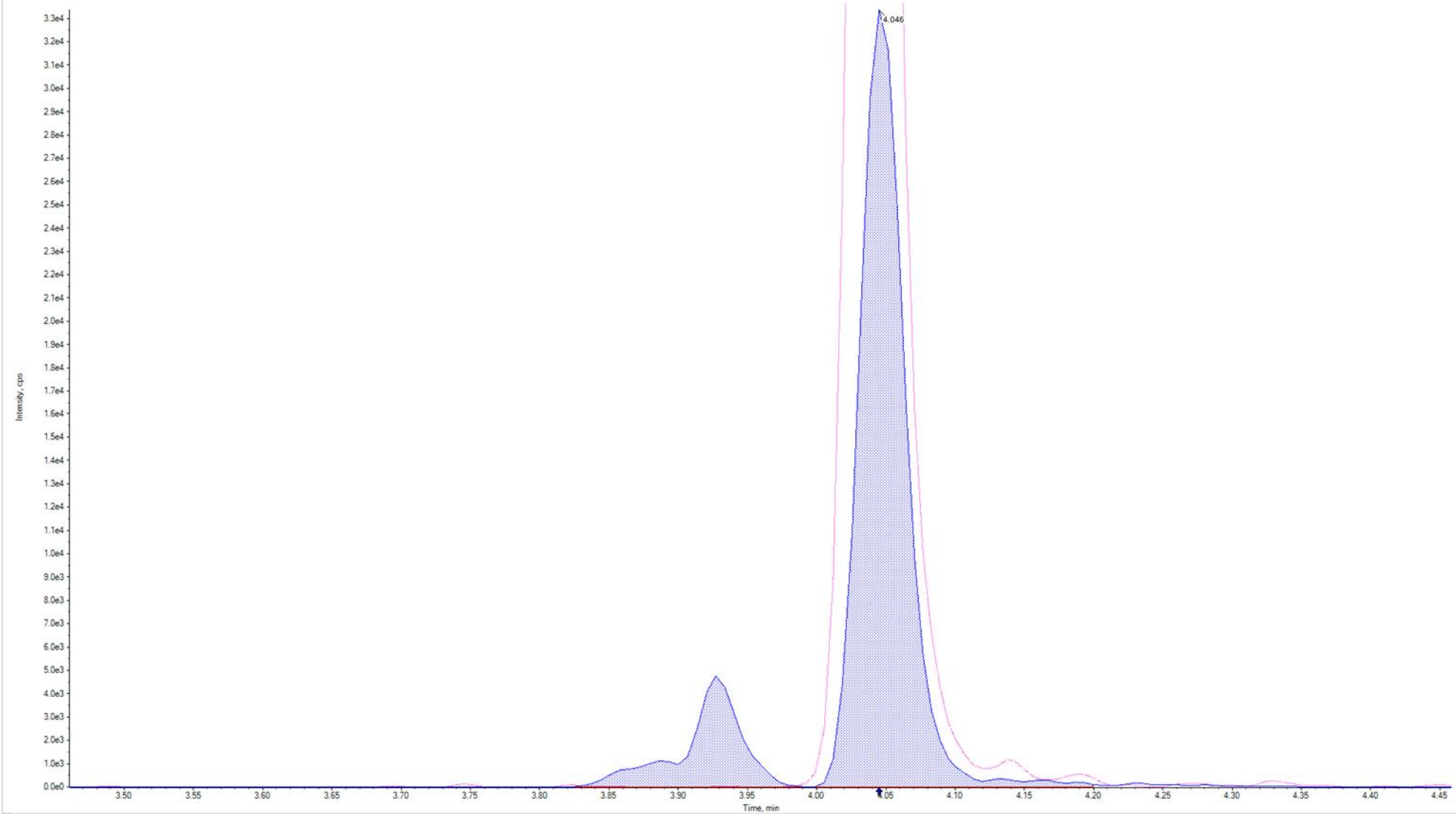
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Alpha Analytical LLC
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NEtFOSA_2
Sample: IA1633STD-2.5 S/N:562.0 Points Across peak:62



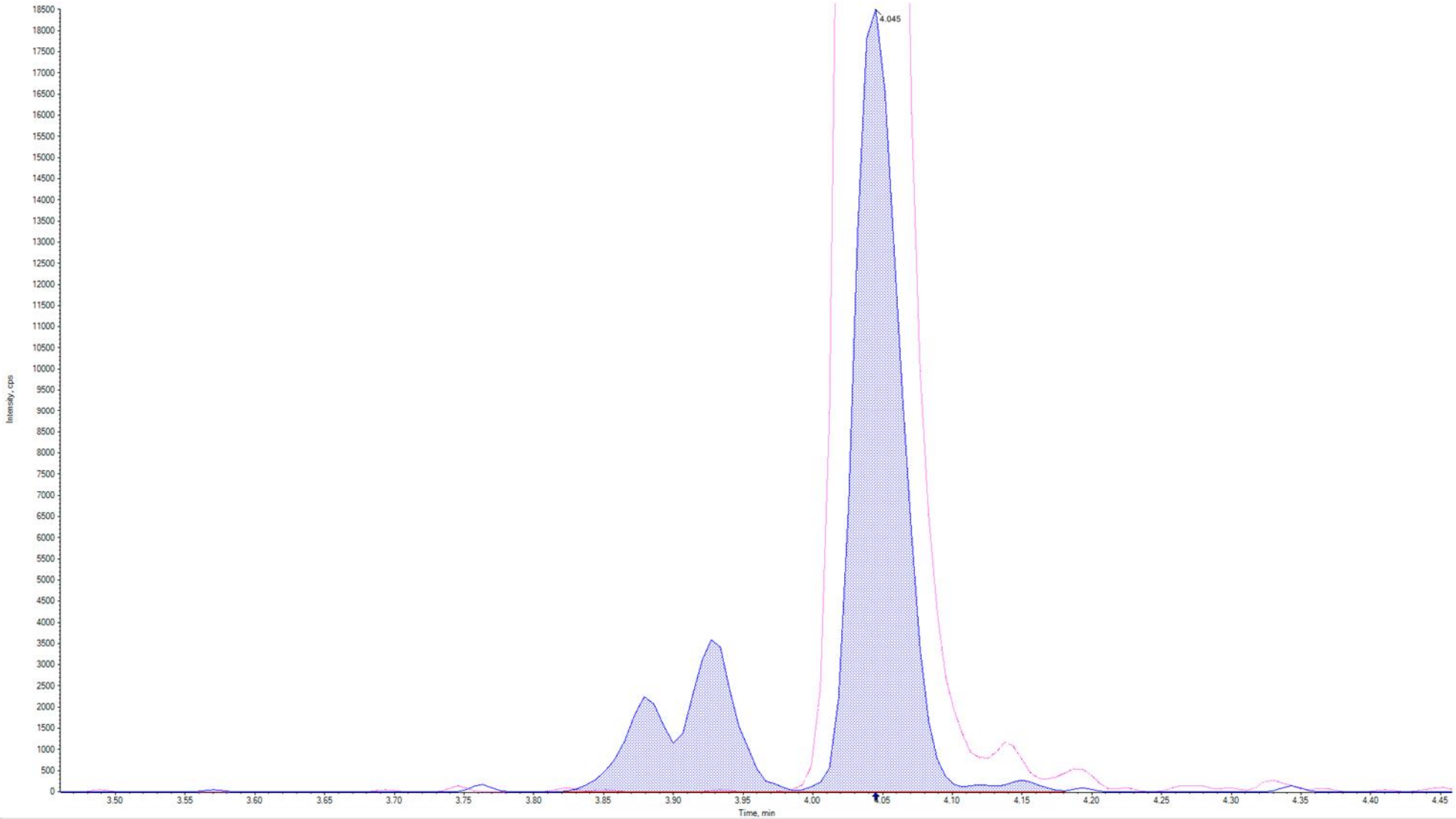
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NMeFOSAA
Sample: IA1633STD-2.5 S/N:328.0 Points Across peak:61



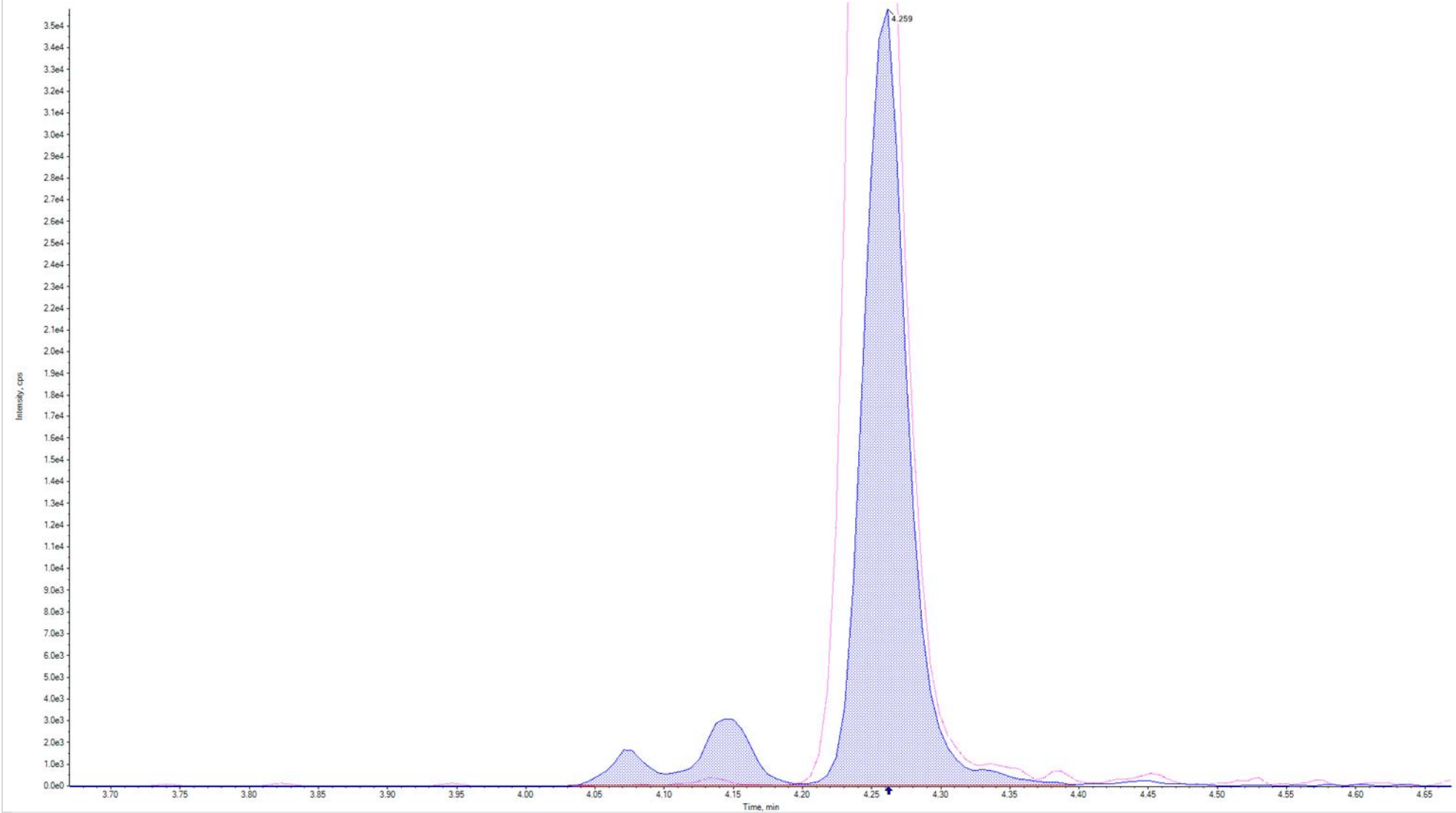
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Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

NMeFOSAA_2
Sample: IA1633STD-2.5 S/N:297.1 Points Across peak:59



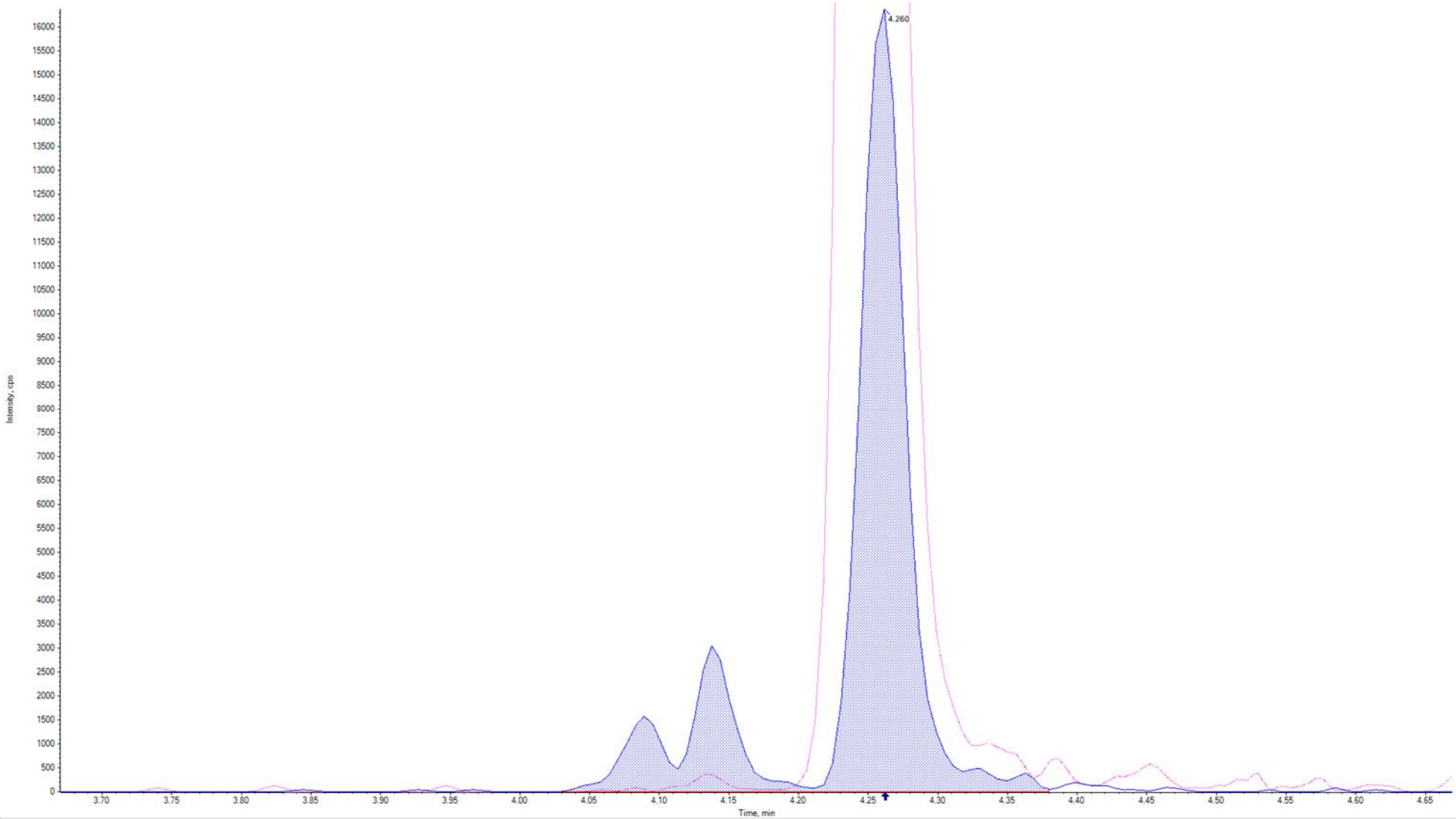
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NEtFOSAA
Sample: IA1633STD-2.5 S/N:371.5 Points Across peak:61



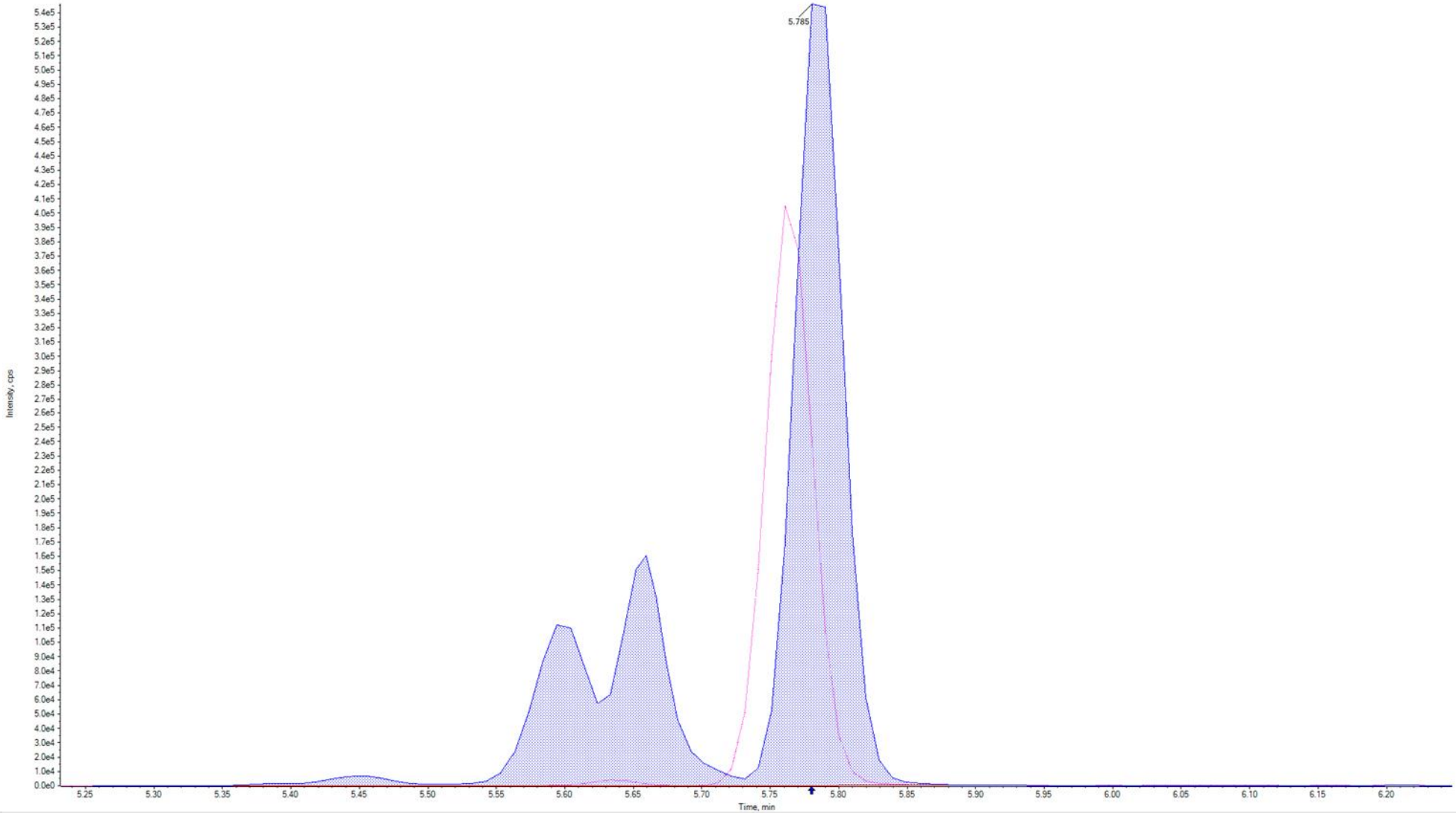
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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NEtFOSAA_2
Sample: IA1633STD-2.5 S/N:257.9 Points Across peak:58



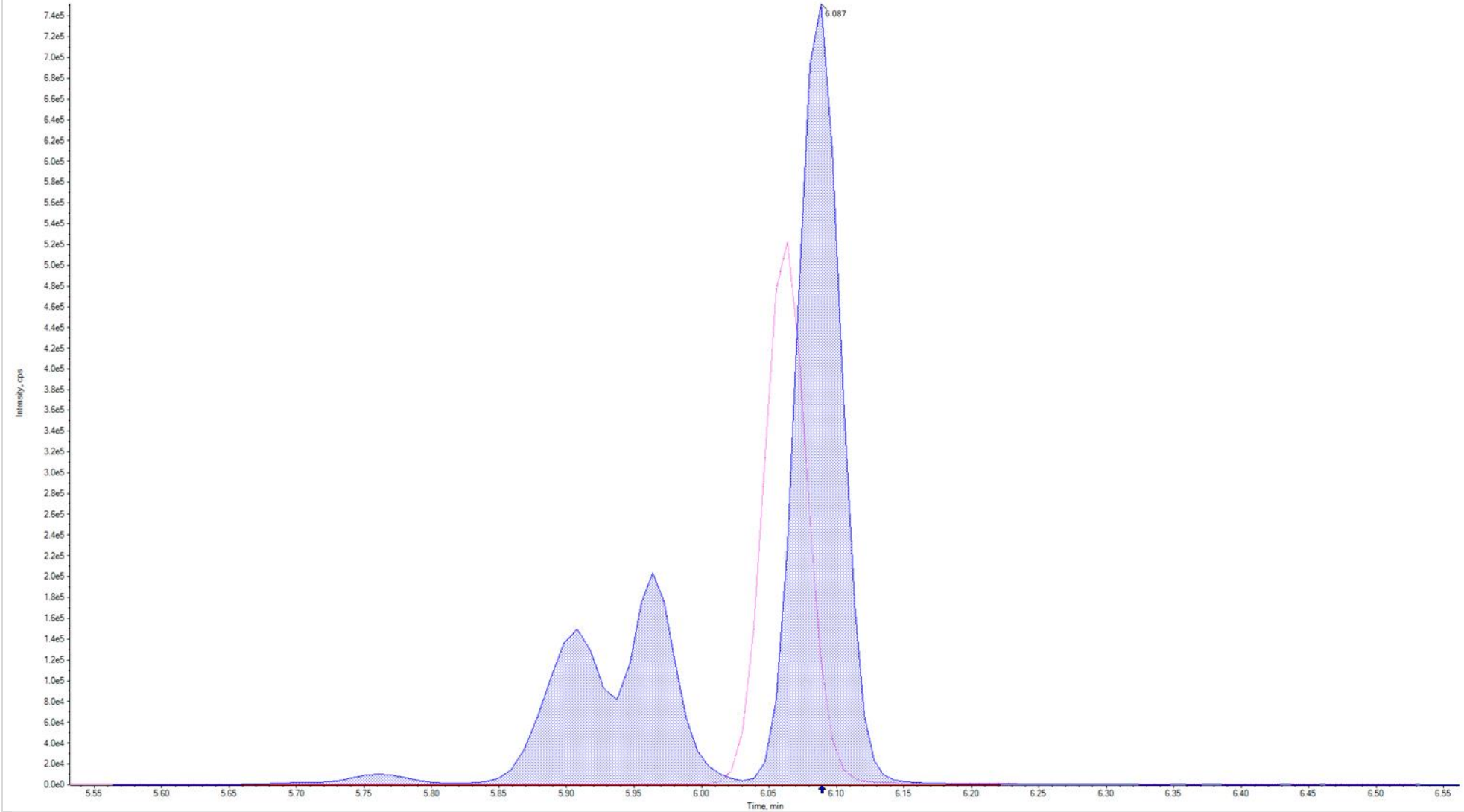
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Alpha Analytical LLC
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NMeFOSE
Sample: IA1633STD-2.5 S/N:175.8 Points Across peak:62



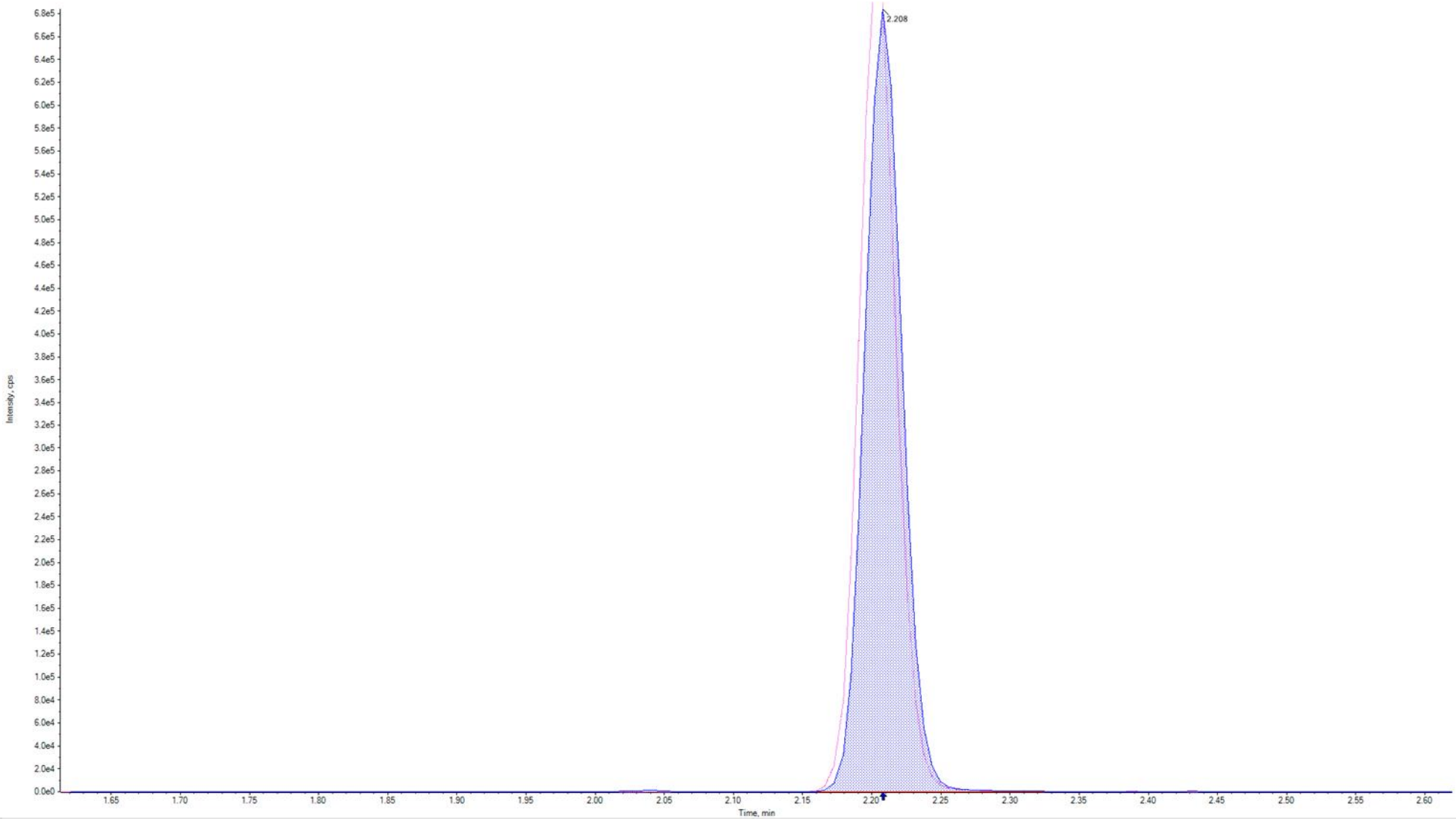
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NEtFOSE
Sample: IA1633STD-2.5 S/N:400.3 Points Across peak:70



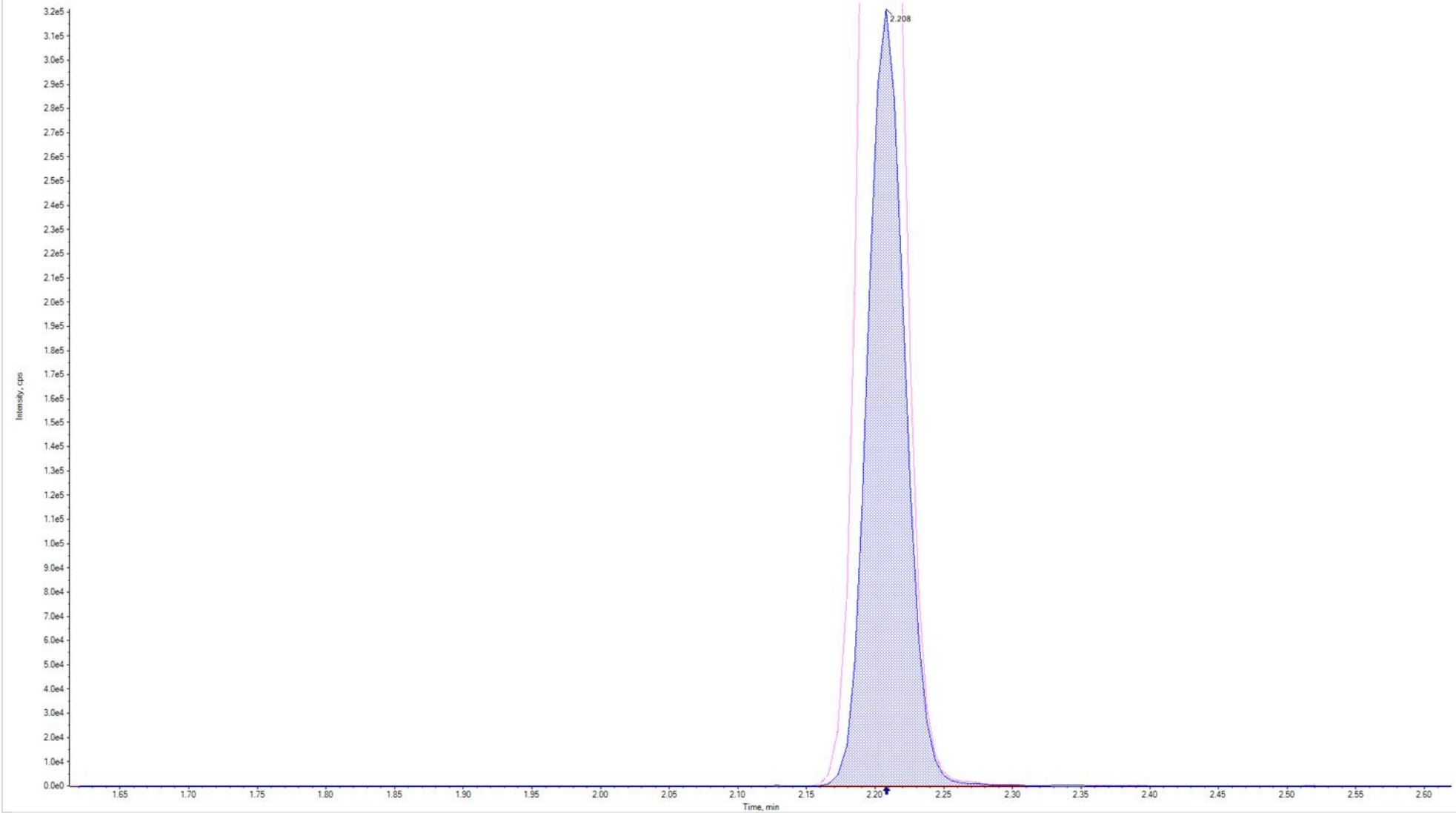
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Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

HFPO-DA
Sample: IA1633STD-2.5 S/N:4254.7 Points Across peak:32



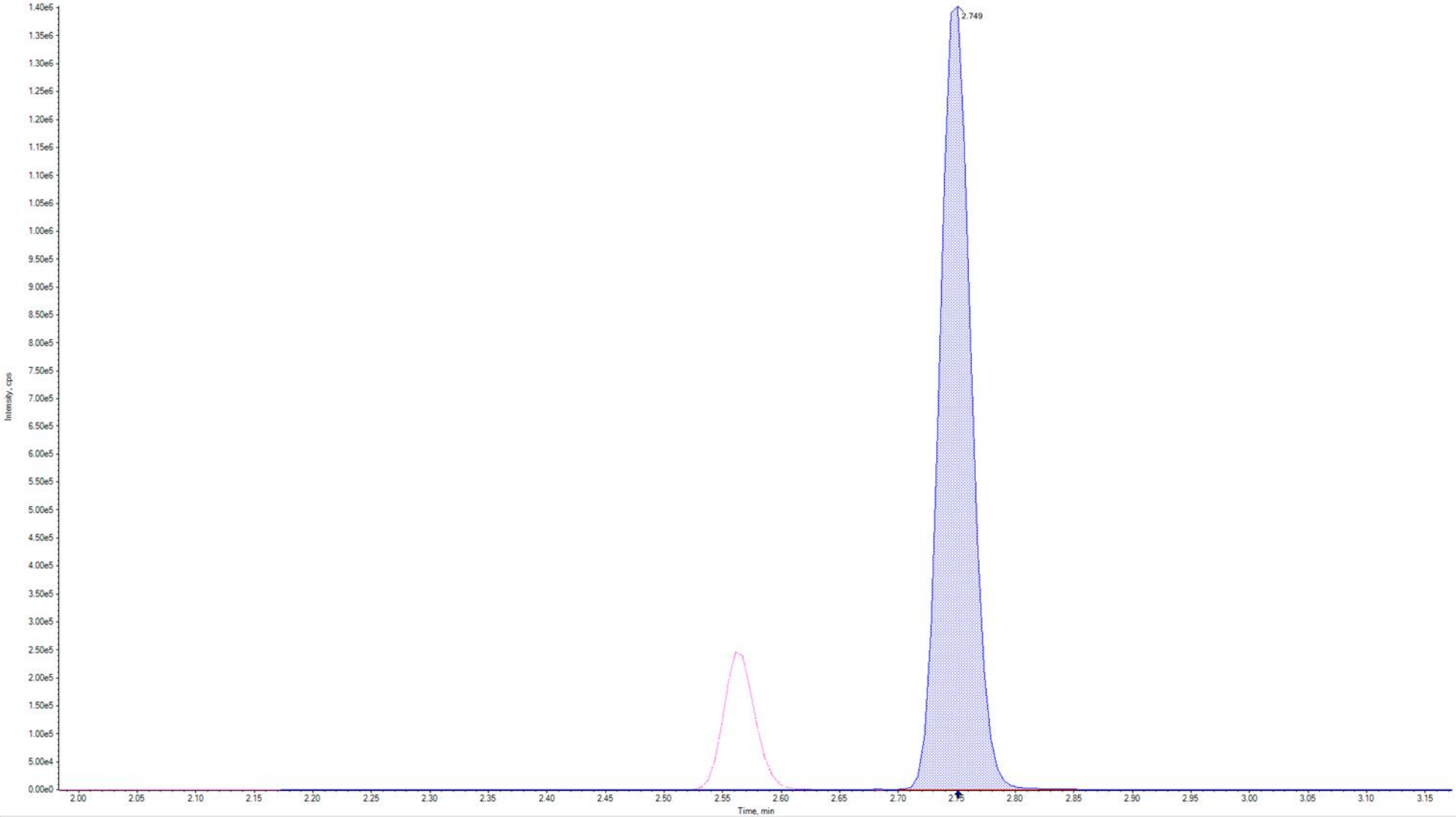
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Alpha Analytical LLC
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HFPO-DA_2
Sample: IA1633STD-2.5 S/N:3925.9 Points Across peak:29



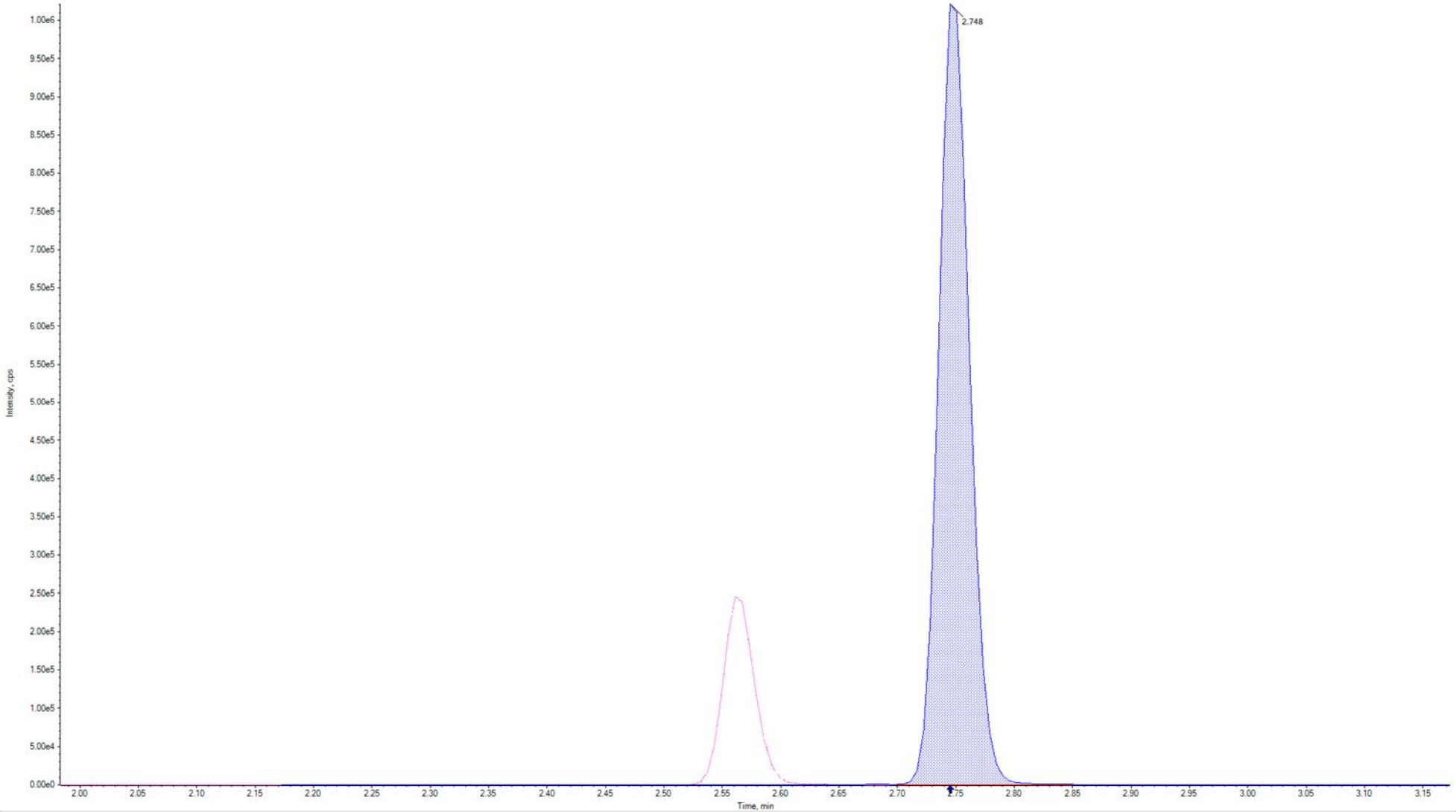
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

ADONA
Sample: IA1633STD-2.5 S/N:5934.7 Points Across peak:31



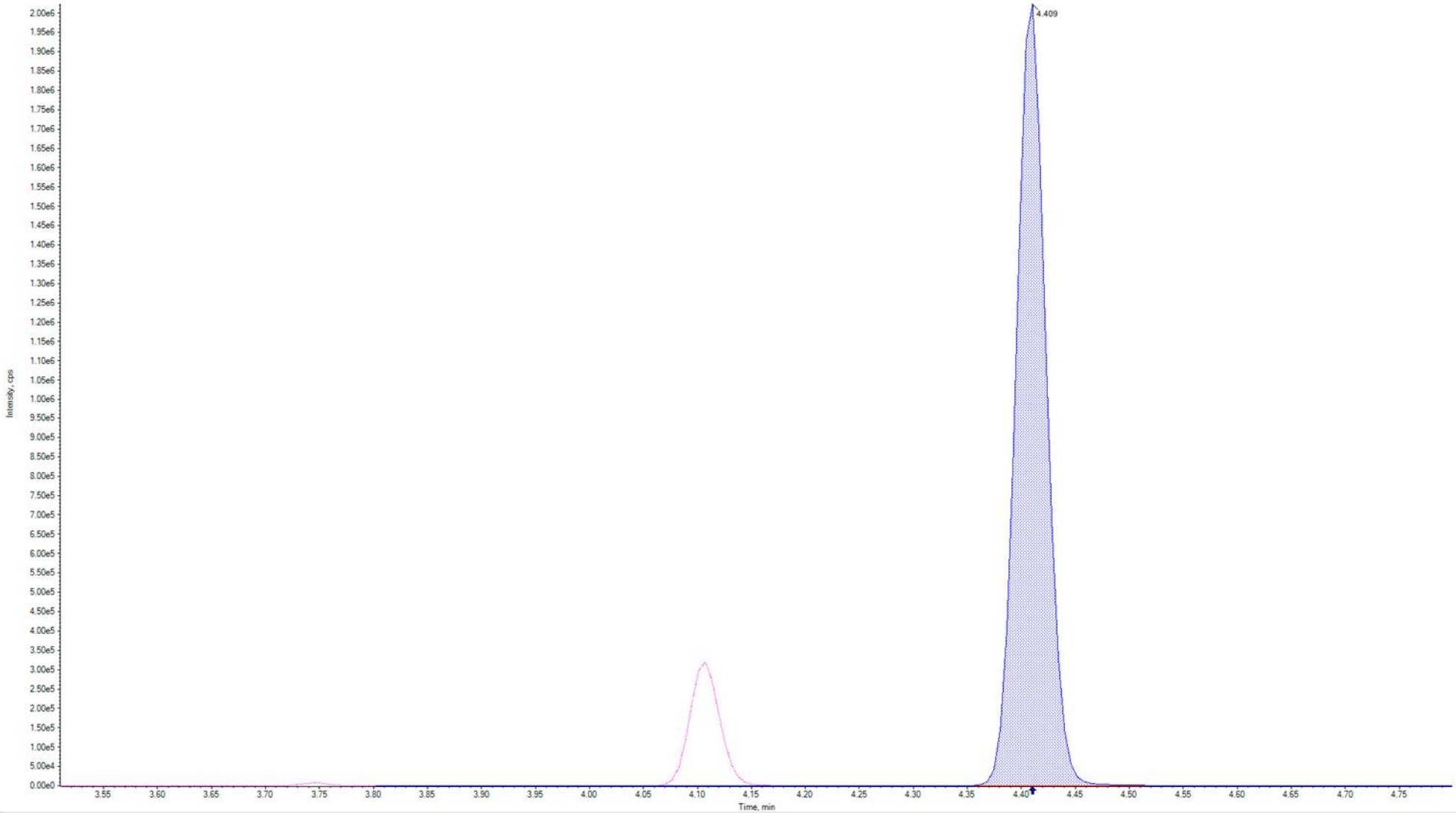
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ADONA_2
Sample: IA1633STD-2.5 S/N:7148.1 Points Across peak:32



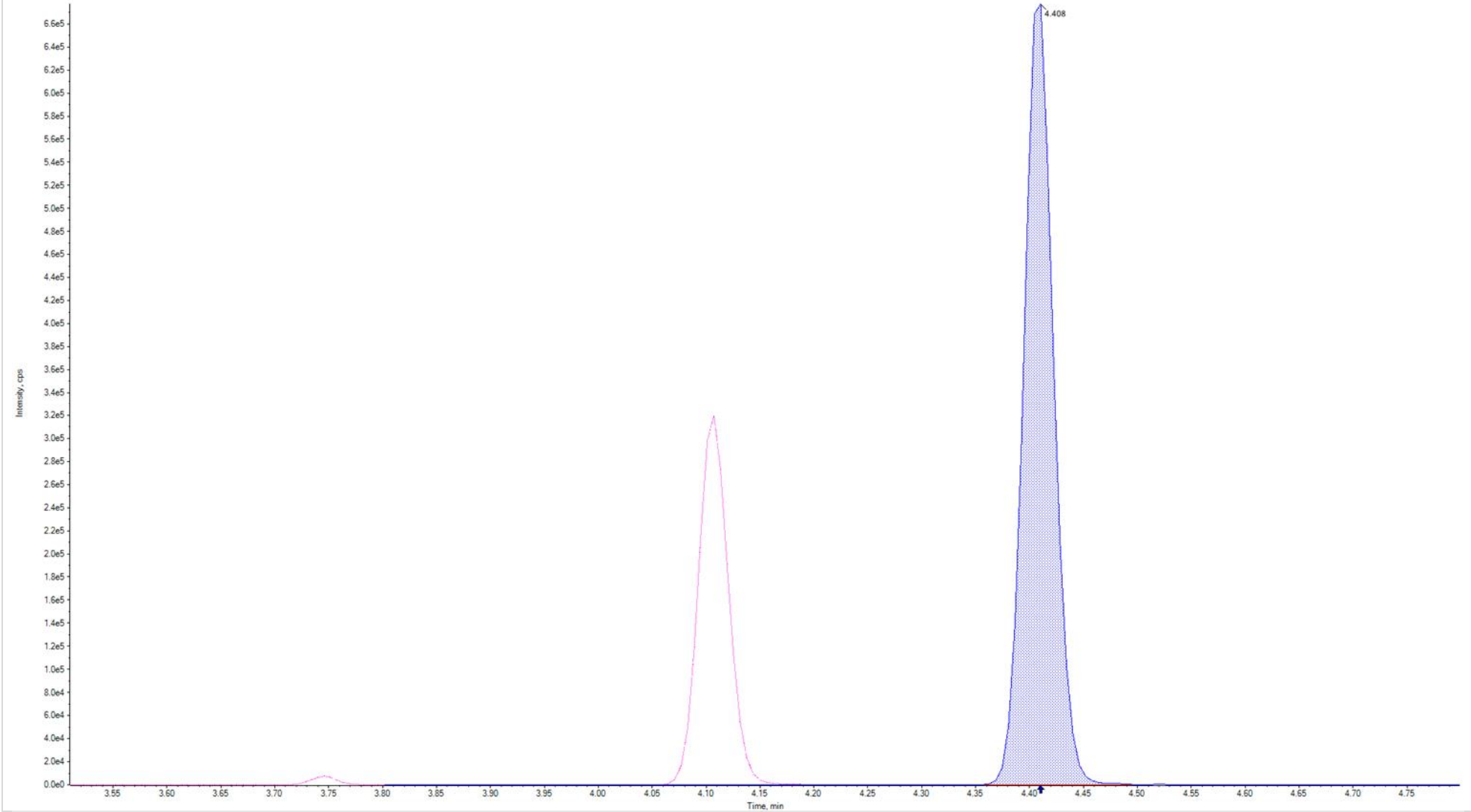
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

9Cl-PF3ONS
Sample: IA1633STD-2.5 S/N:9416.0 Points Across peak:41



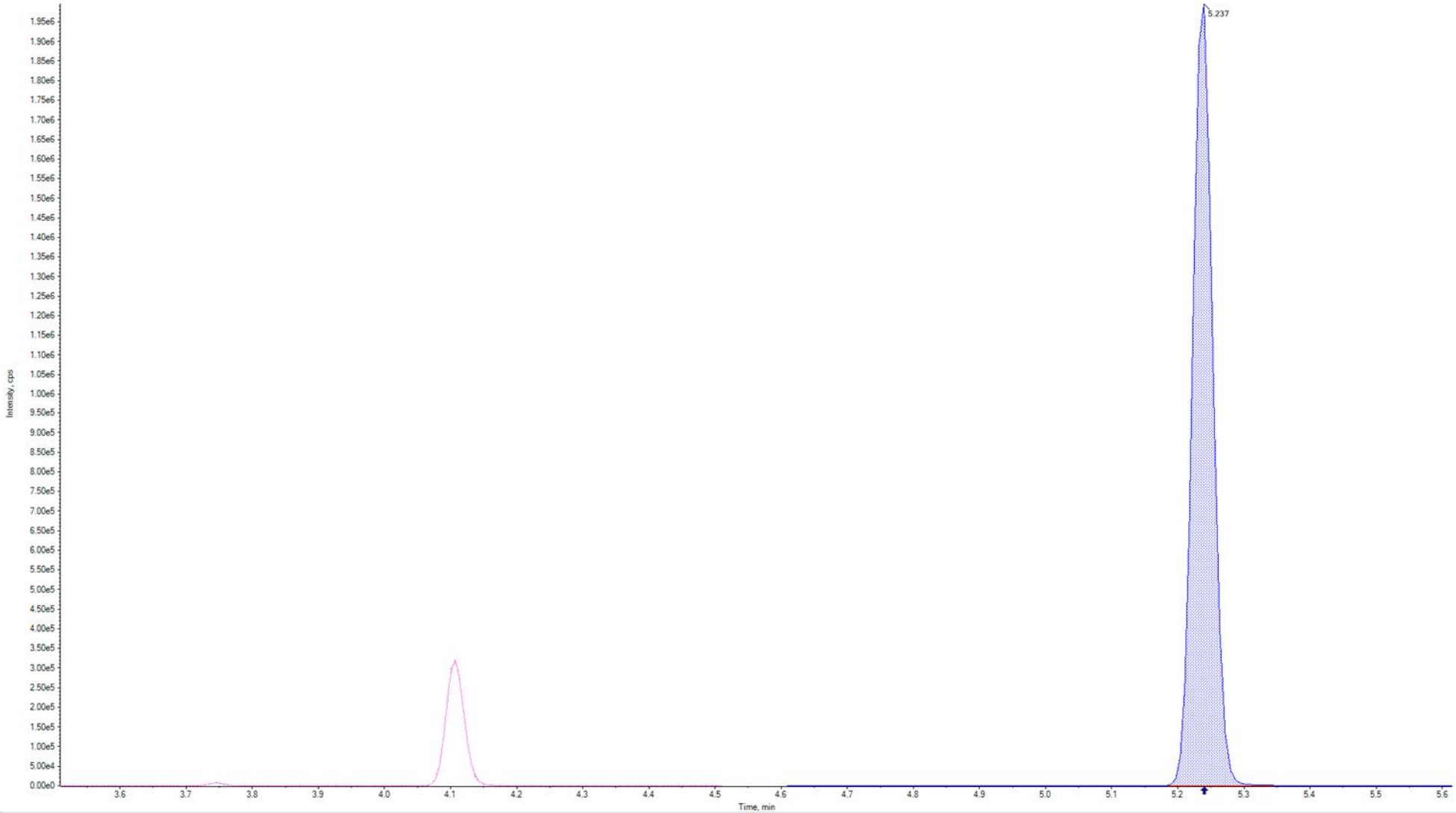
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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9Cl-PF3ONS_2
Sample: IA1633STD-2.5 S/N:6085.5 Points Across peak:32



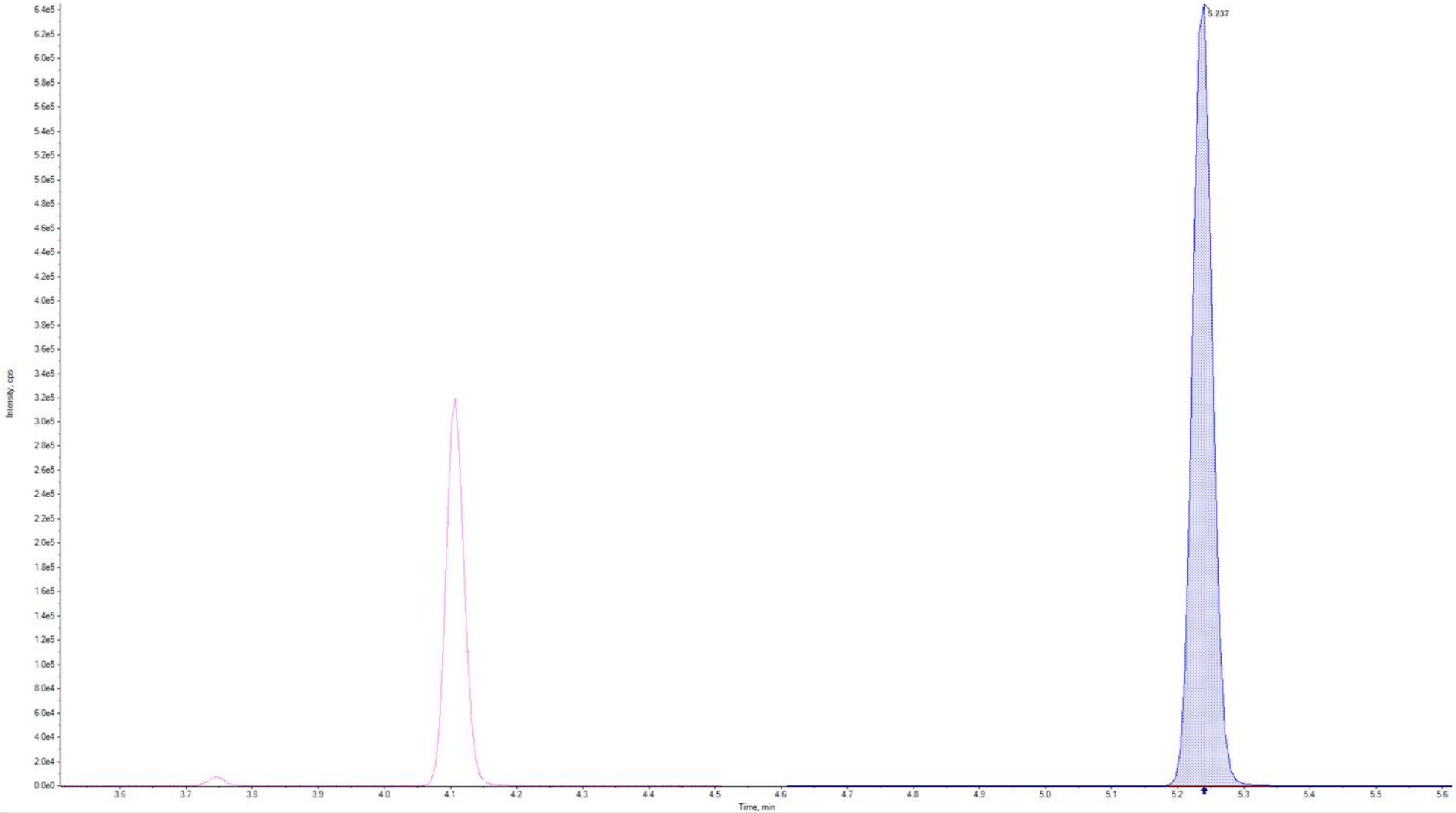
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Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_14.wiff2_4
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

11Cl-PF3OUdS
Sample: IA1633STD-2.5 S/N:12026.5 Points Across peak:35



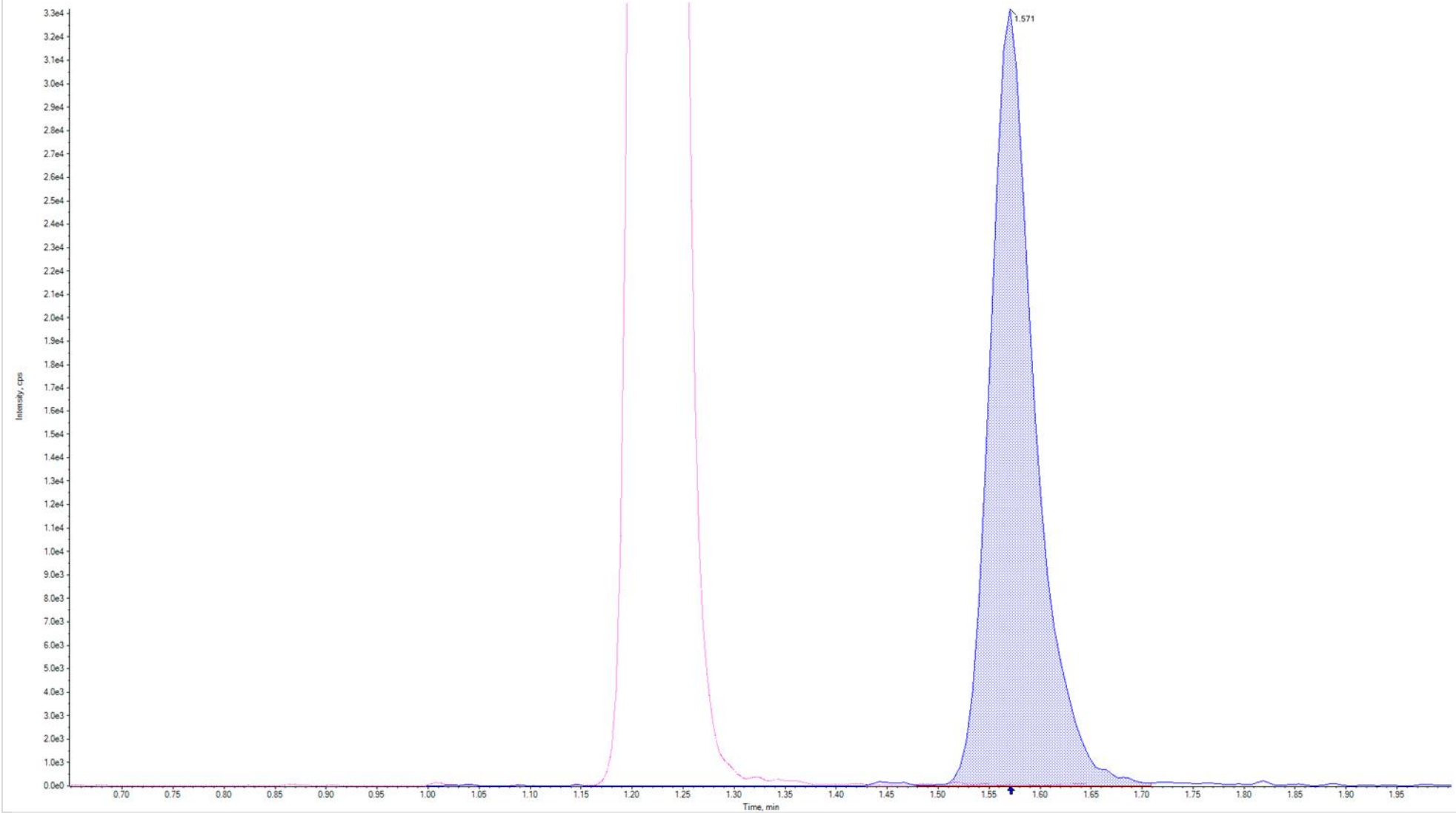
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

11Cl-PF3OUdS_2
Sample: IA1633STD-2.5 S/N:10387.6 Points Across peak:30



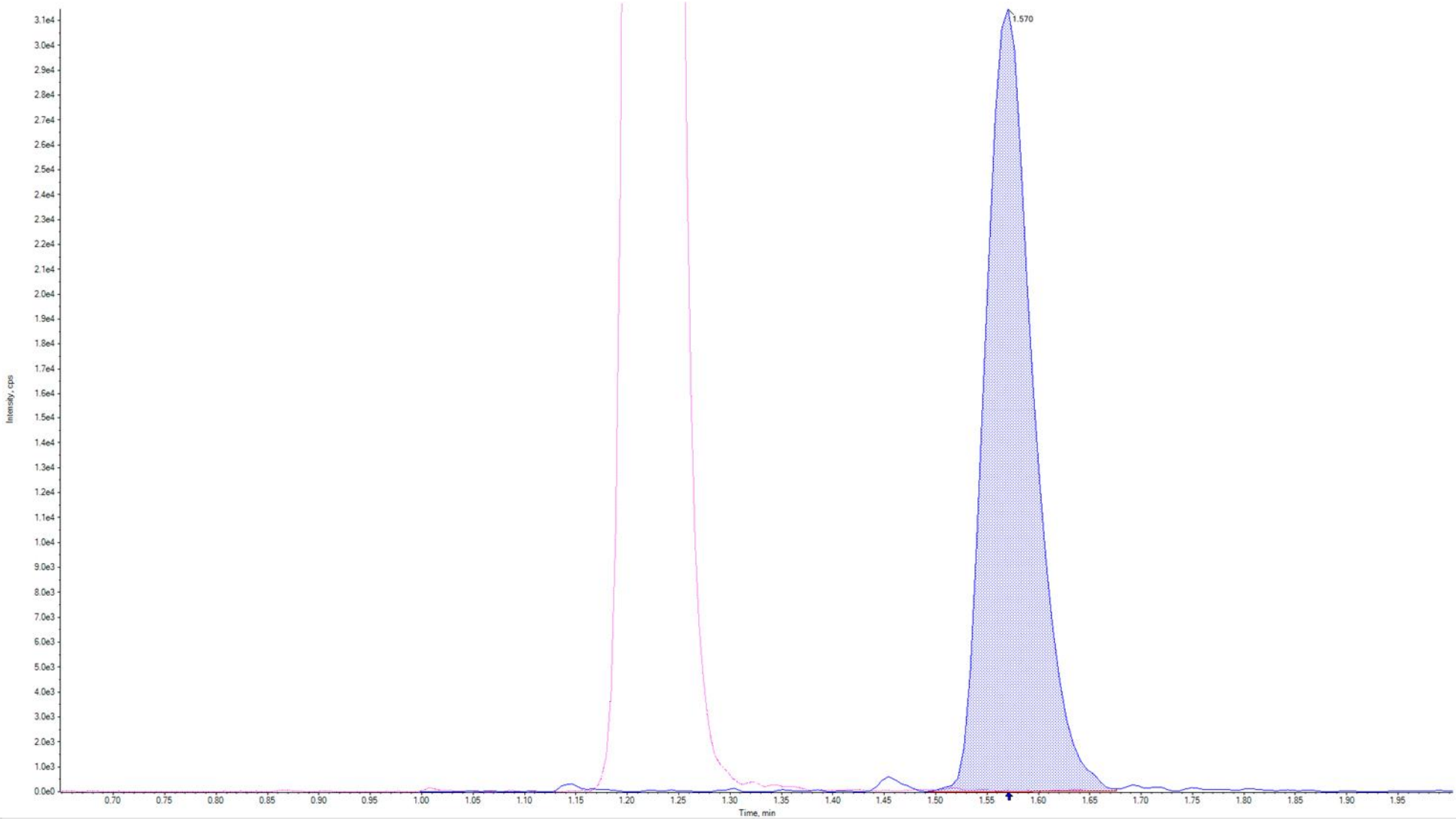
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Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_14.wiff2_4
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

3:3FTCA
Sample: IA1633STD-2.5 S/N:831.8 Points Across peak:39



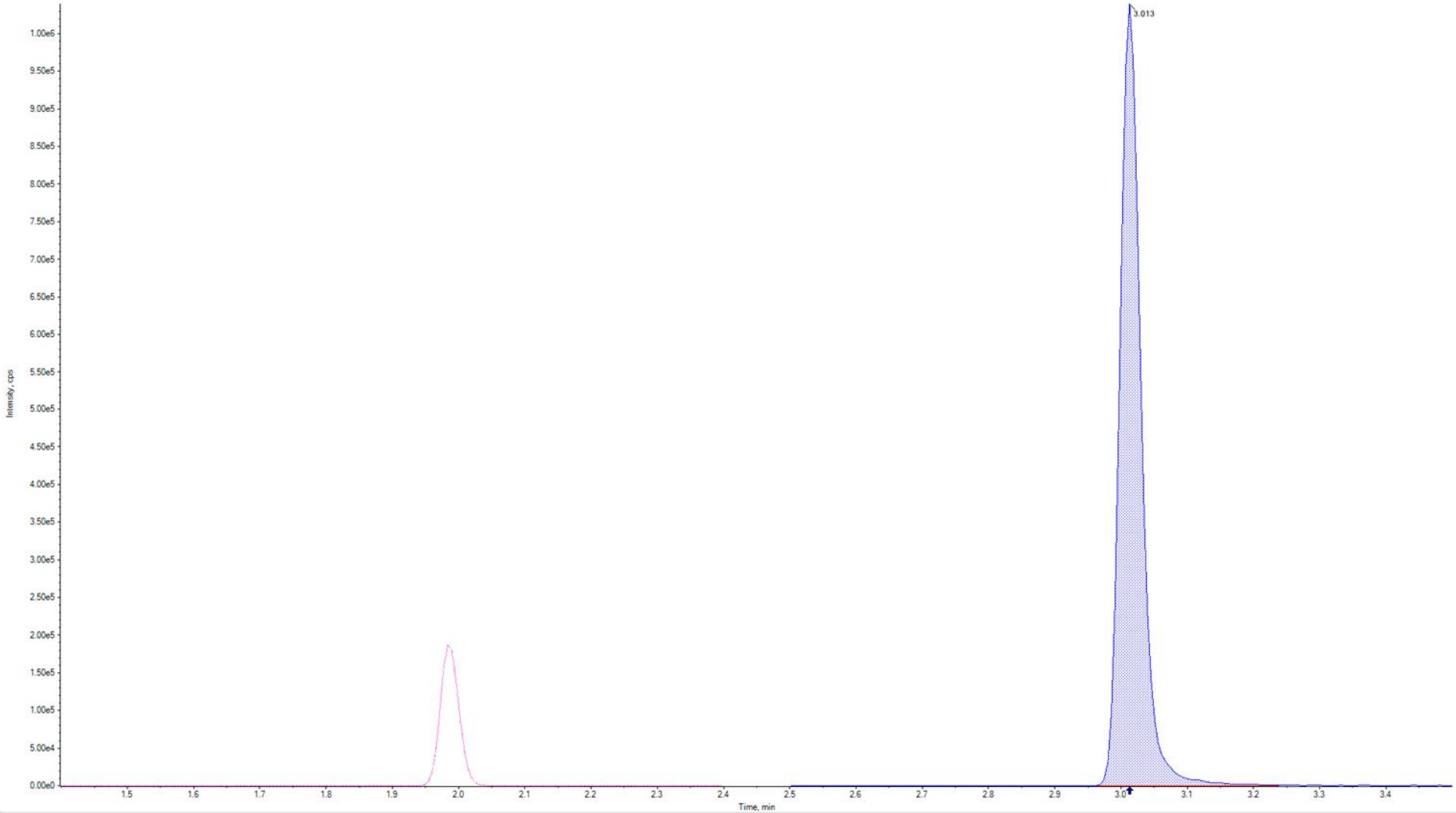
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

3:3FTCA_2
Sample: IA1633STD-2.5 S/N:788.0 Points Across peak:31



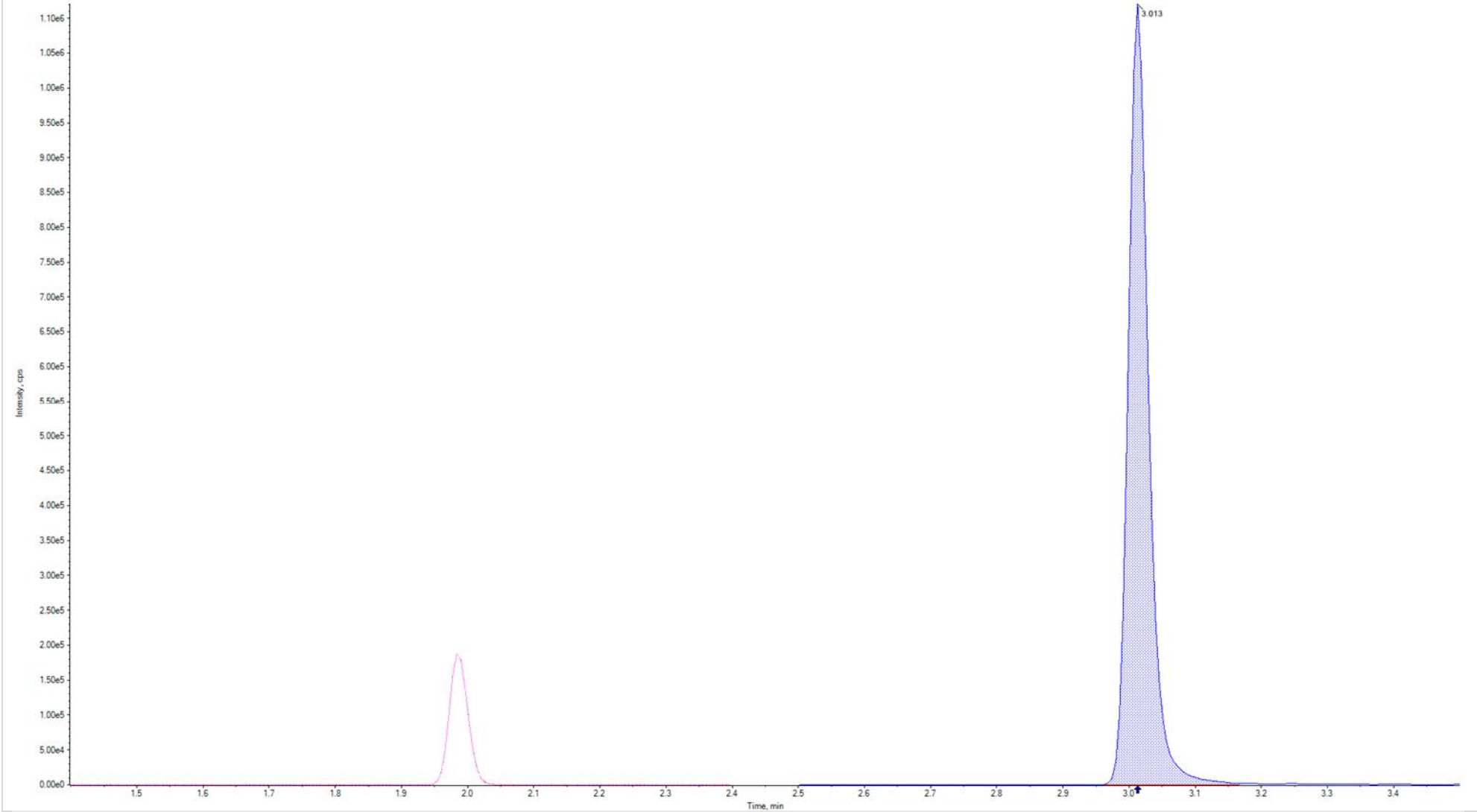
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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5:3FTCA
Sample: IA1633STD-2.5 S/N:3632.8 Points Across peak:53



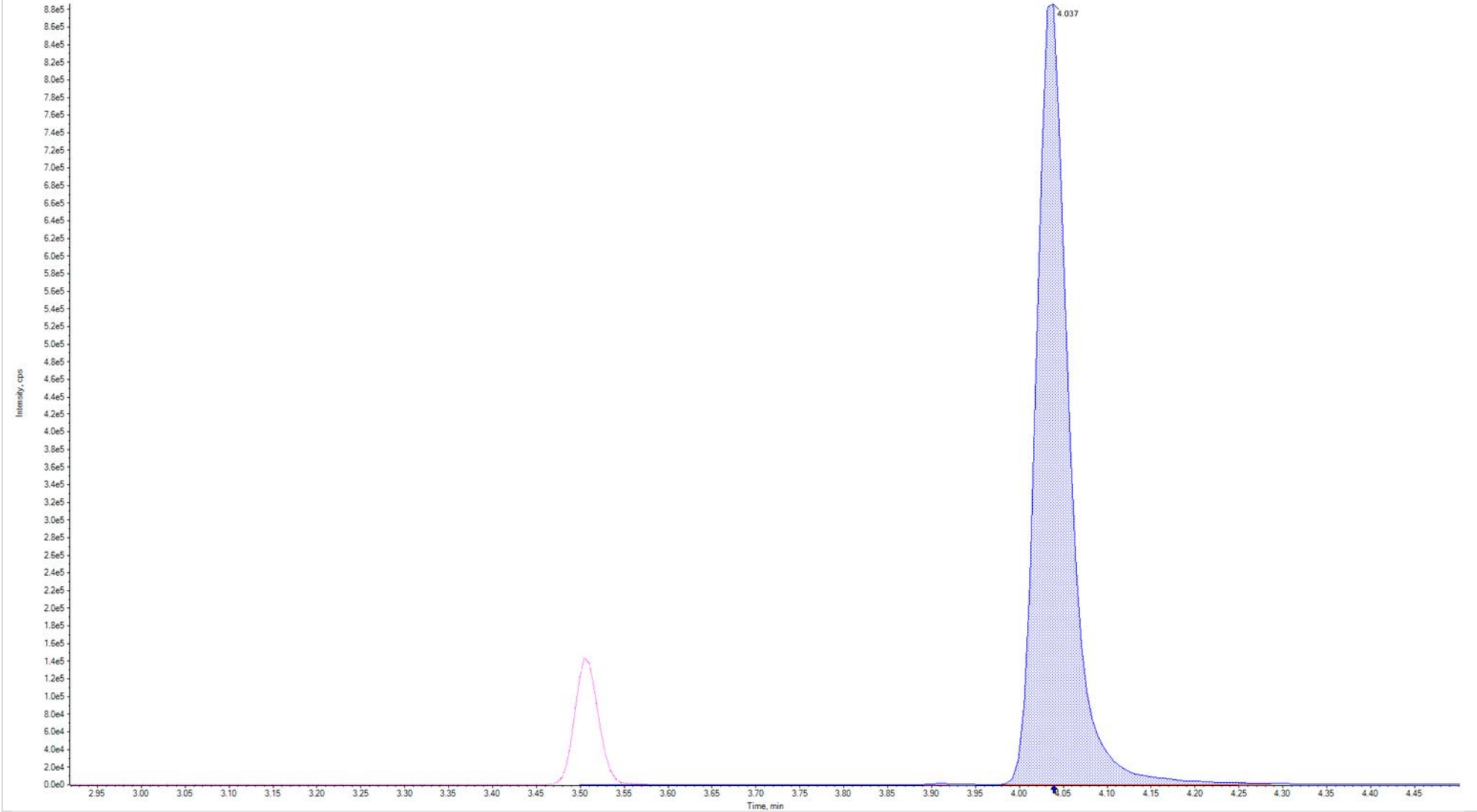
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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5:3FTCA_2
Sample: IA1633STD-2.5 S/N:12849.3 Points Across peak:41



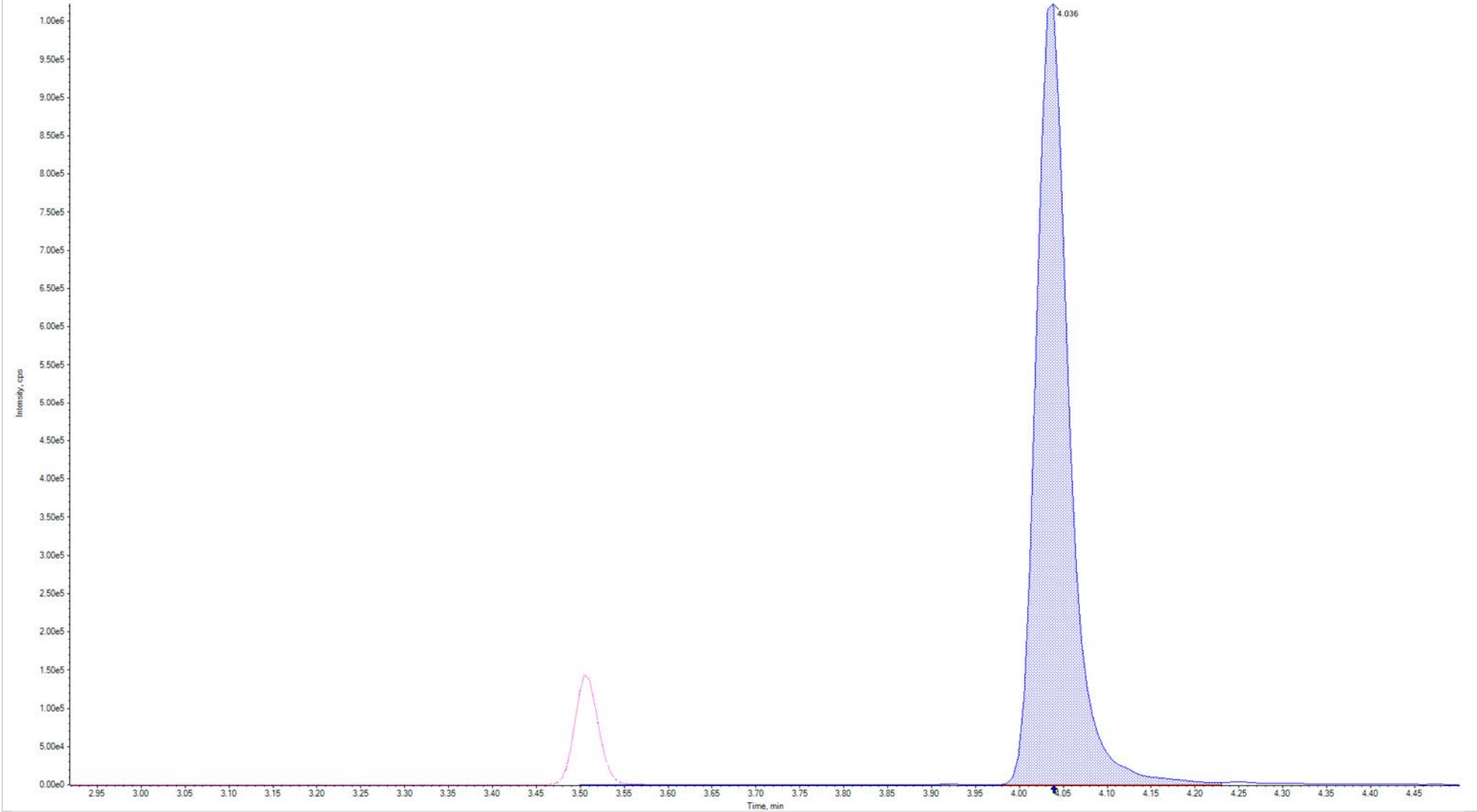
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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7:3FTCA
Sample: IA1633STD-2.5 S/N:24428.2 Points Across peak:51



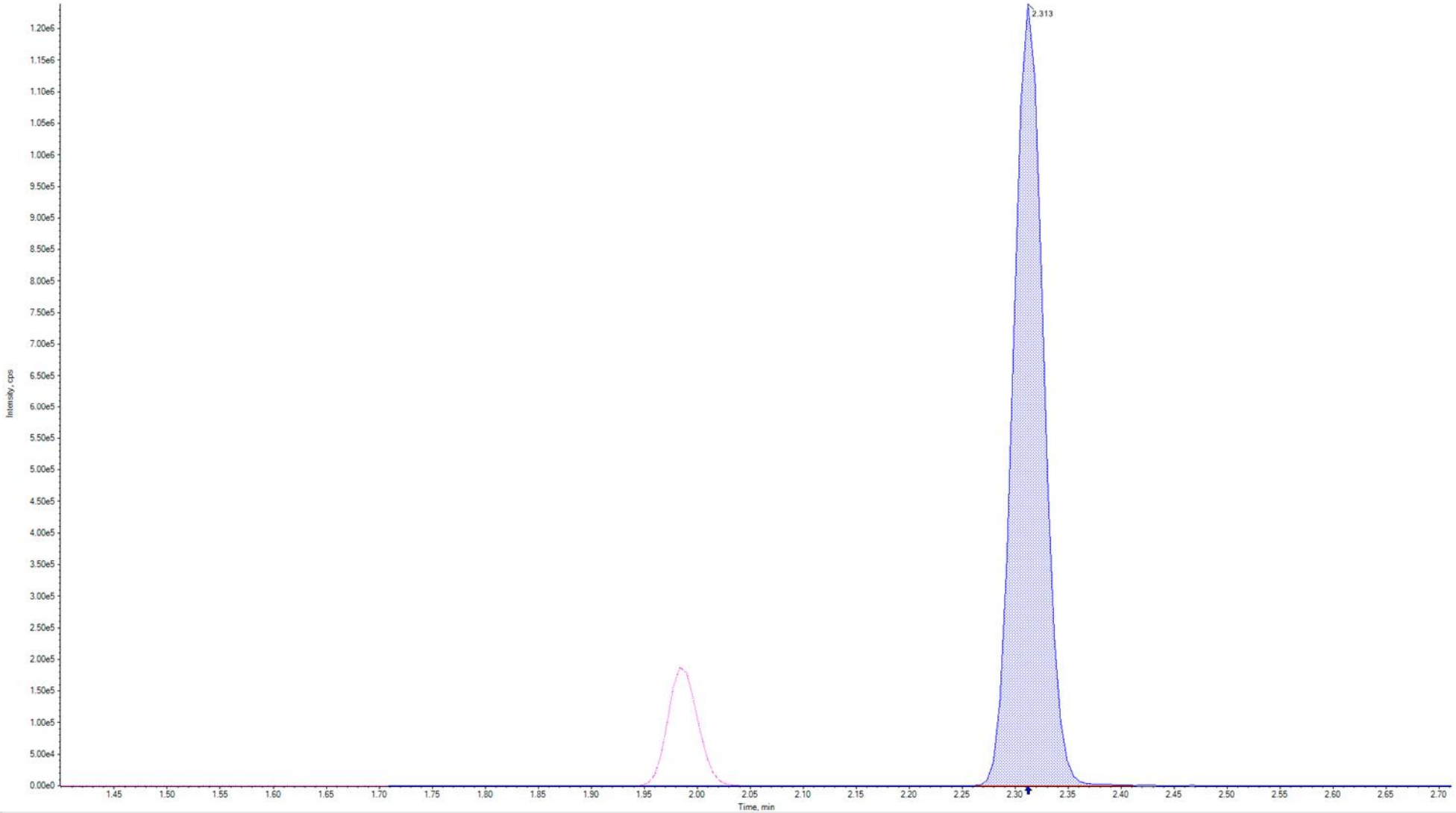
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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7:3FTCA_2
Sample: IA1633STD-2.5 S/N:28192.8 Points Across peak:46



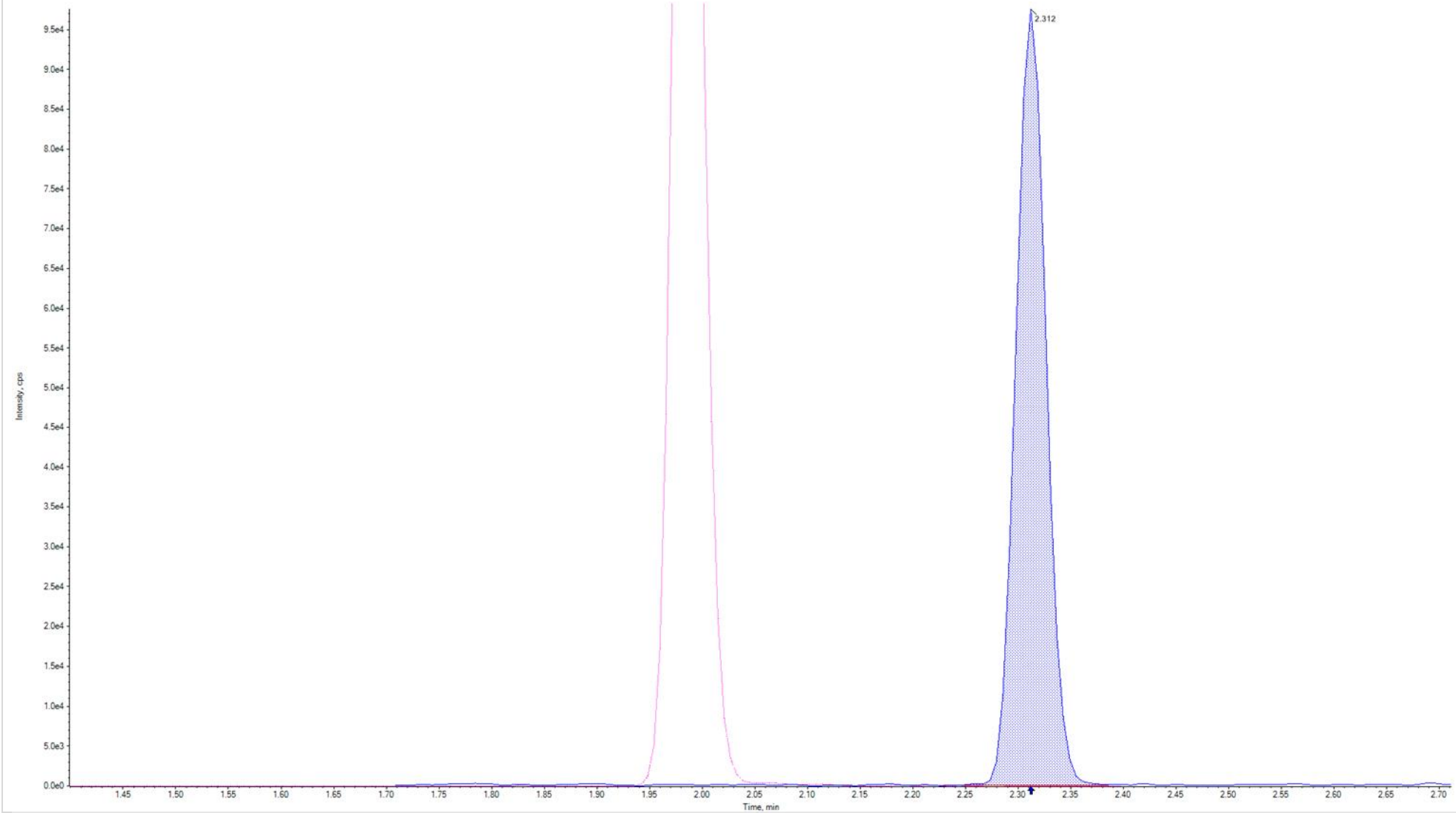
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFEESA
Sample: IA1633STD-2.5 S/N:7729.6 Points Across peak:33



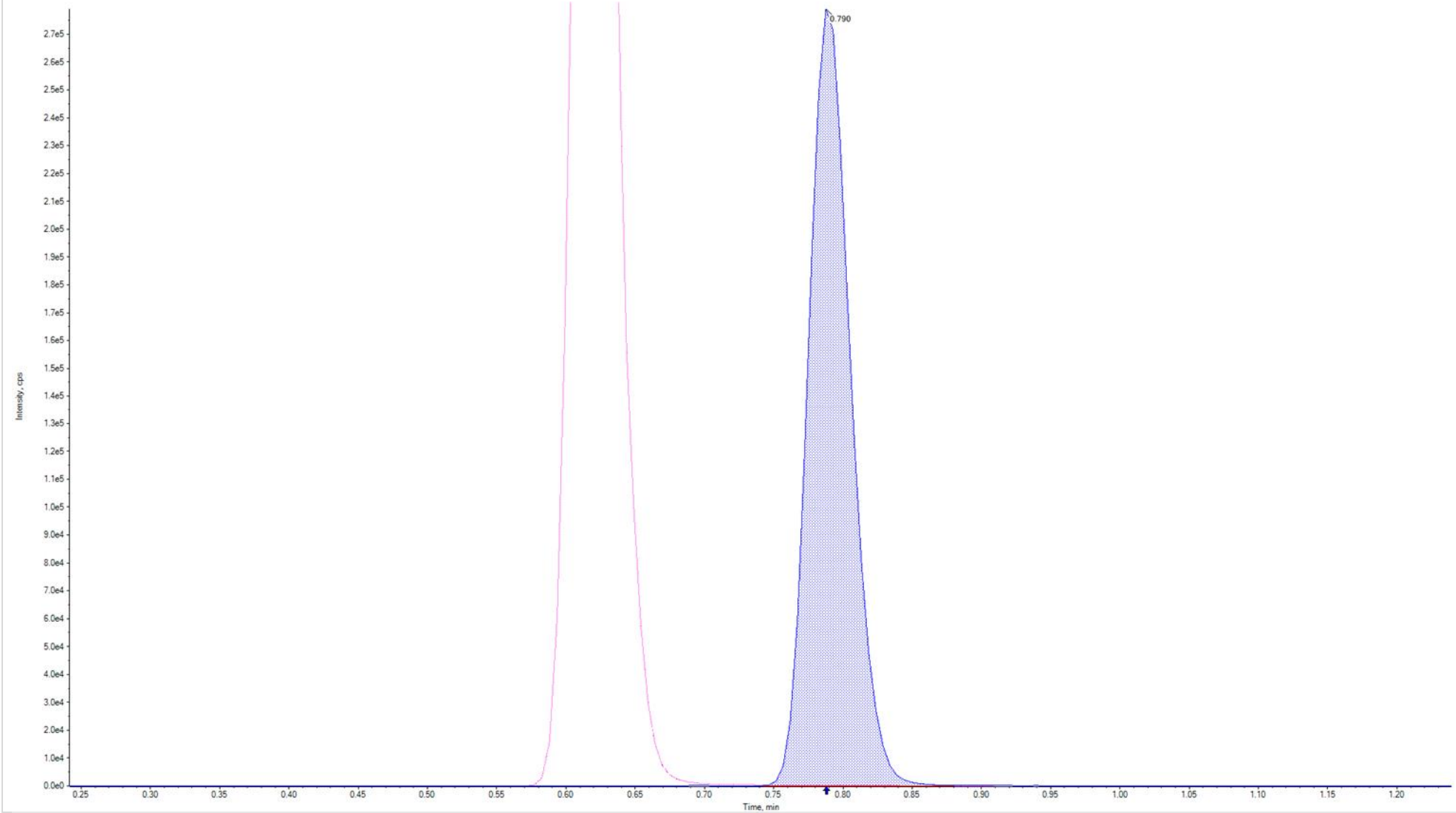
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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PFEESA_2
Sample: IA1633STD-2.5 S/N:2199.4 Points Across peak:27



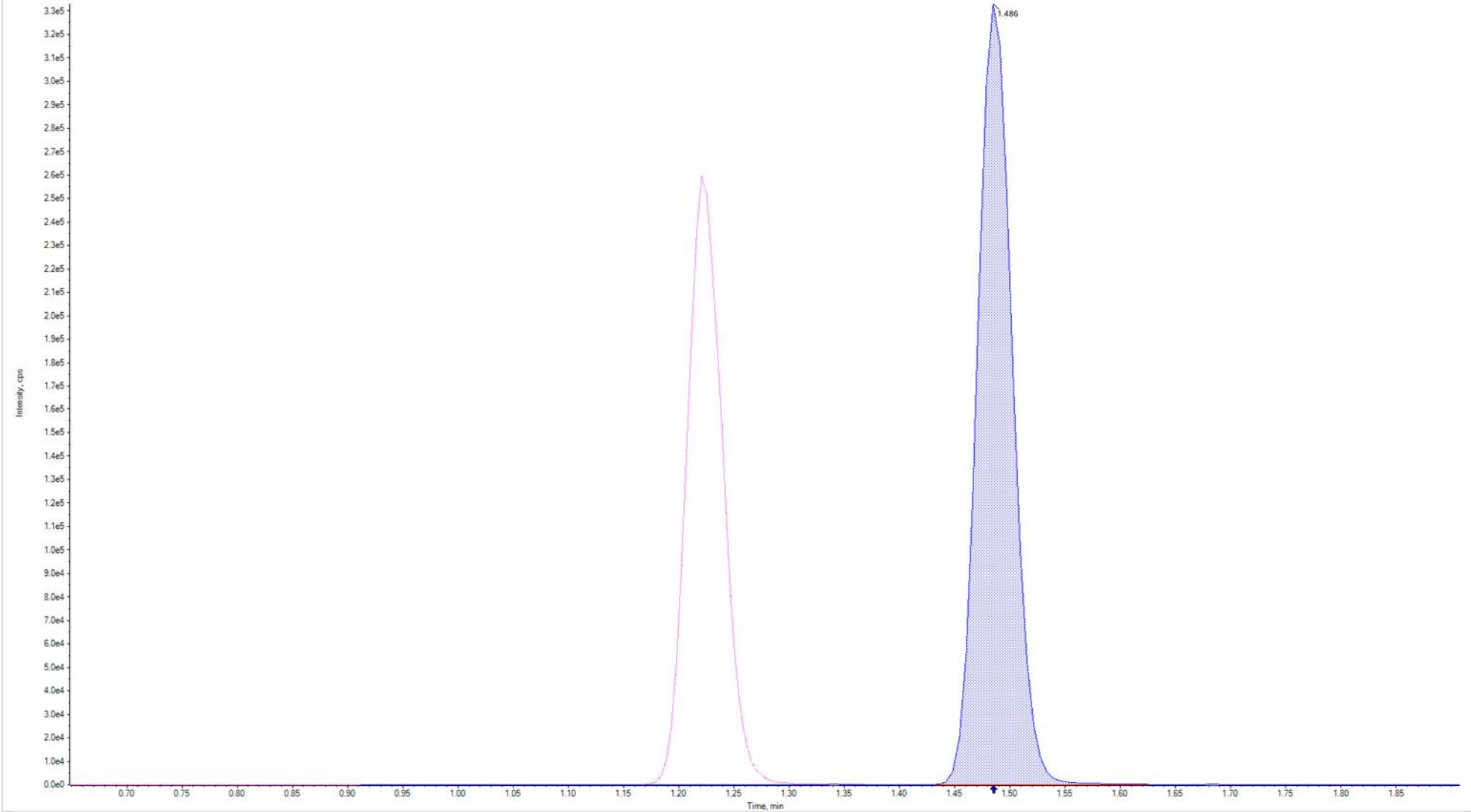
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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PFMPA
Sample: IA1633STD-2.5 S/N:17413.3 Points Across peak:31



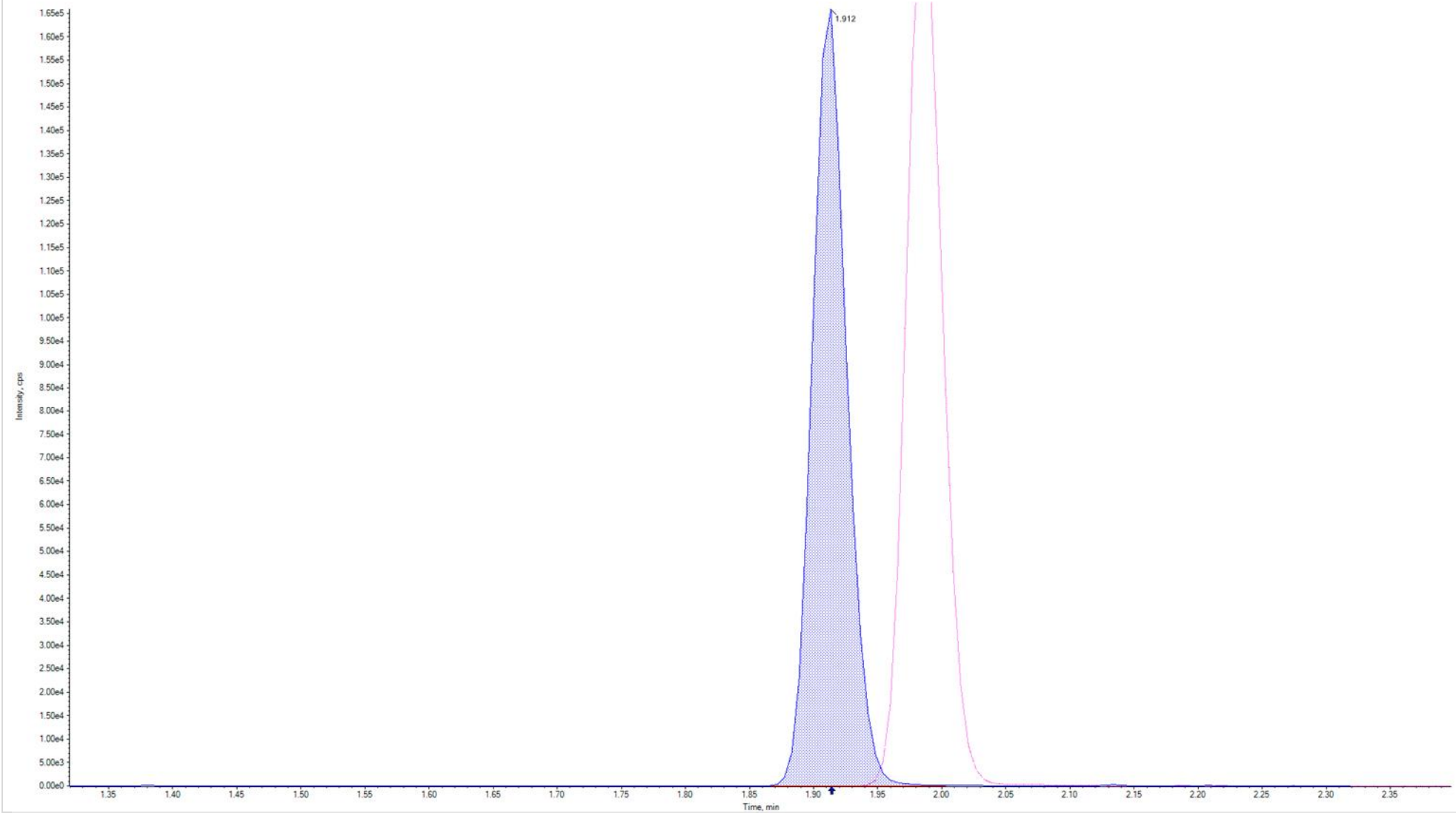
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFMBA
Sample: IA1633STD-2.5 S/N:6850.0 Points Across peak:39



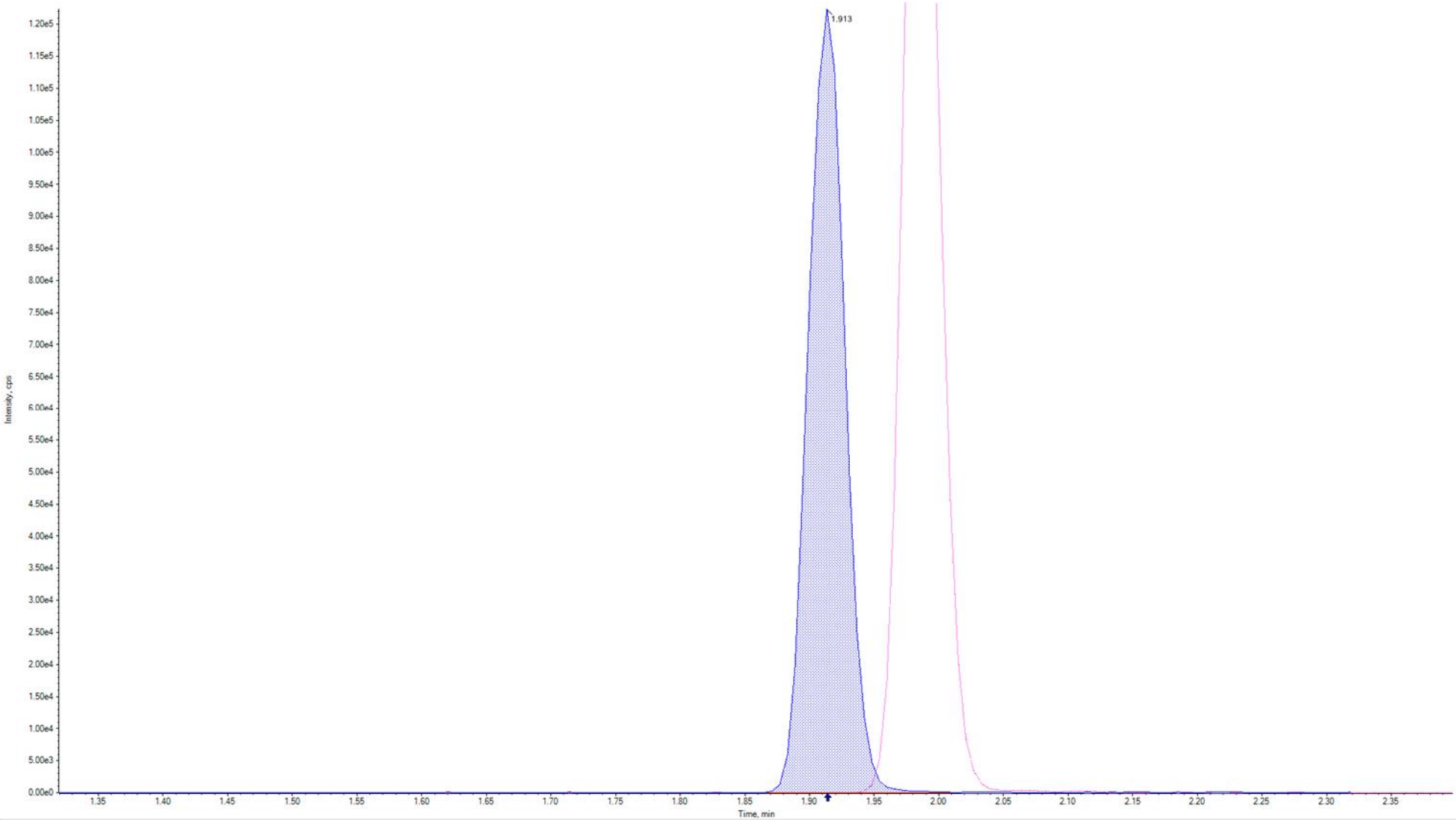
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_14.wiff2_4
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NFDHA
Sample: IA1633STD-2.5 S/N:4574.9 Points Across peak:27

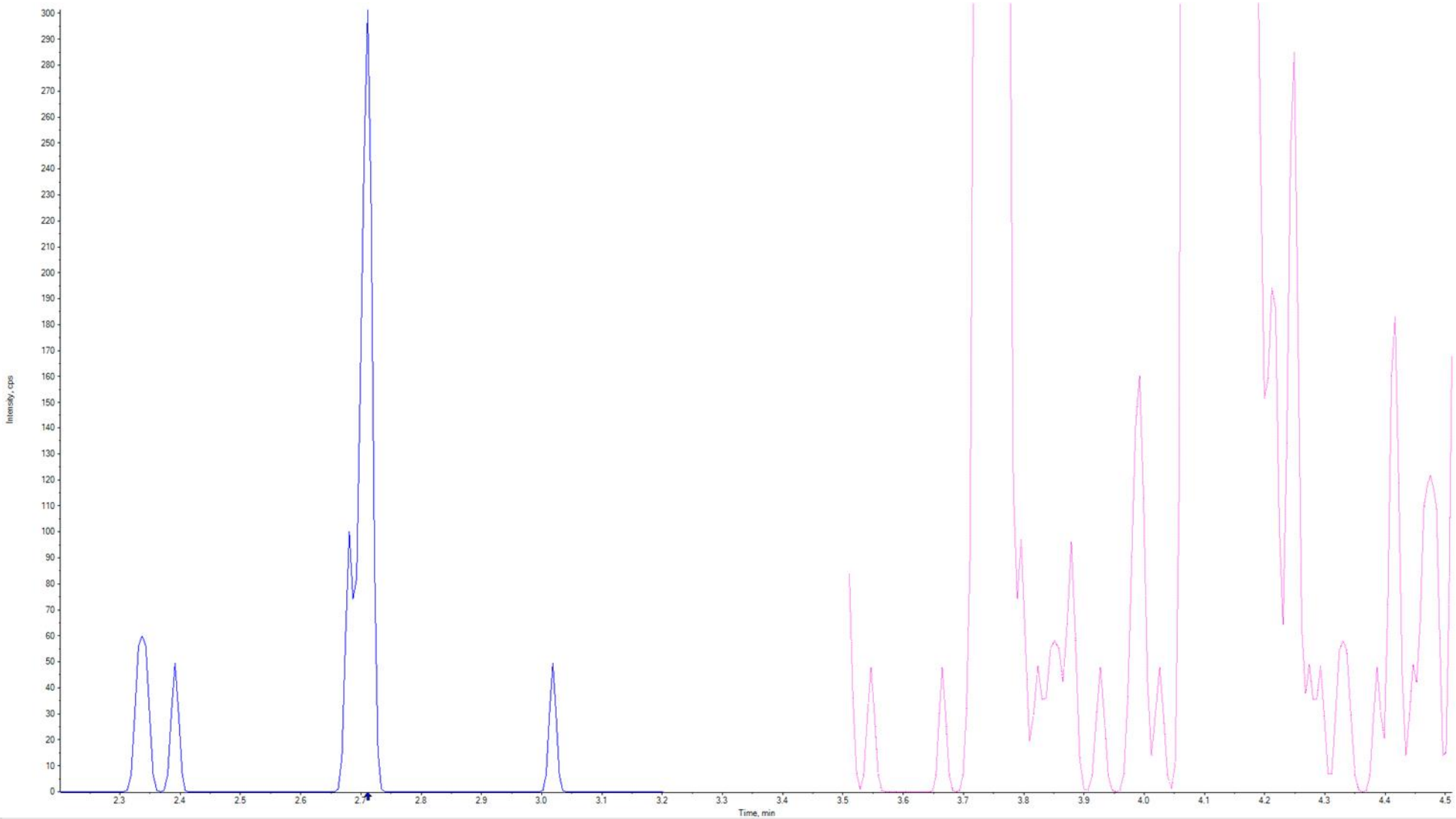


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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NFDHA_2
Sample: IA1633STD-2.5 S/N:3310.7 Points Across peak:28

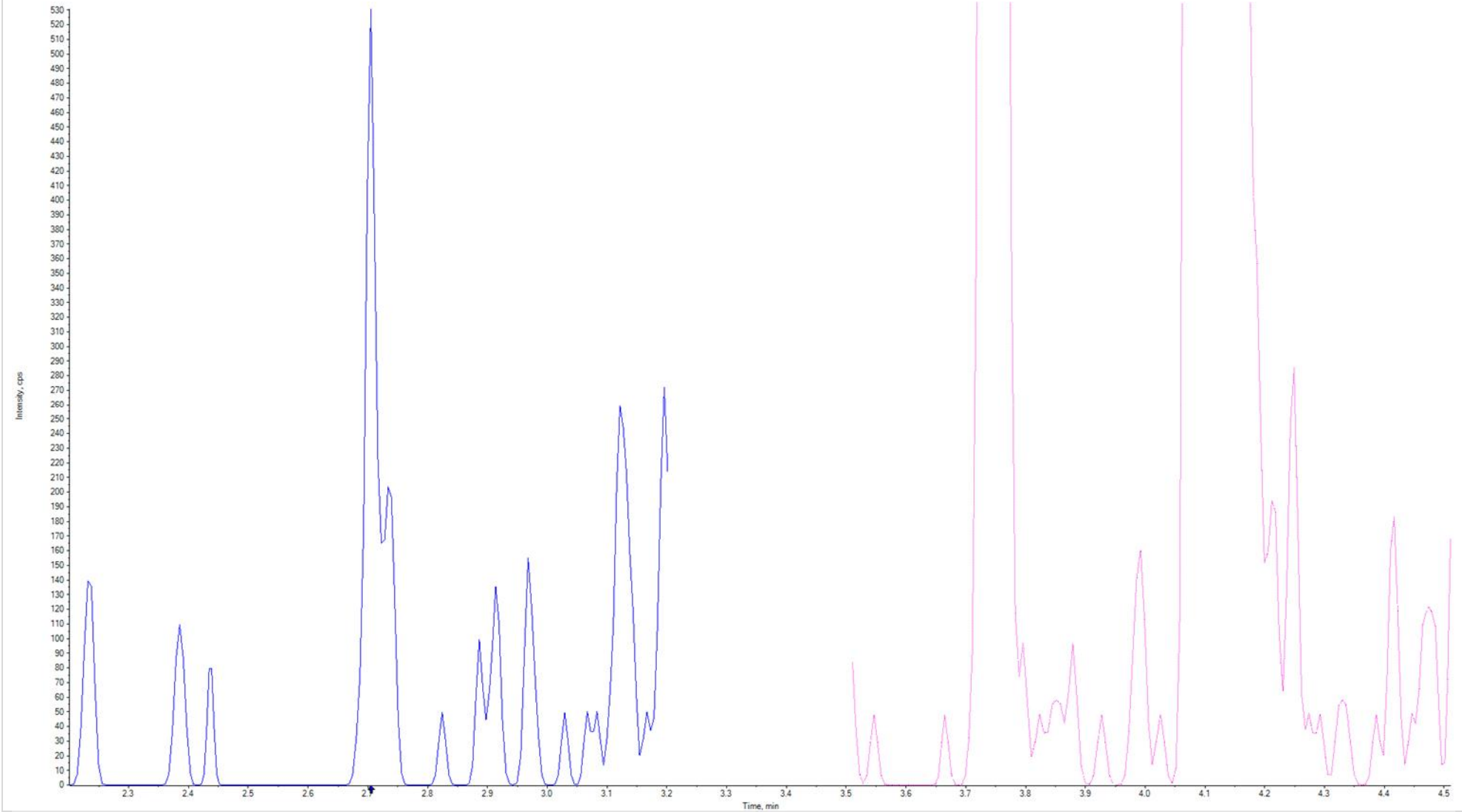


TDCA
Sample: IA1633STD-2.5 S/N:N/A Points Across peak:N/A



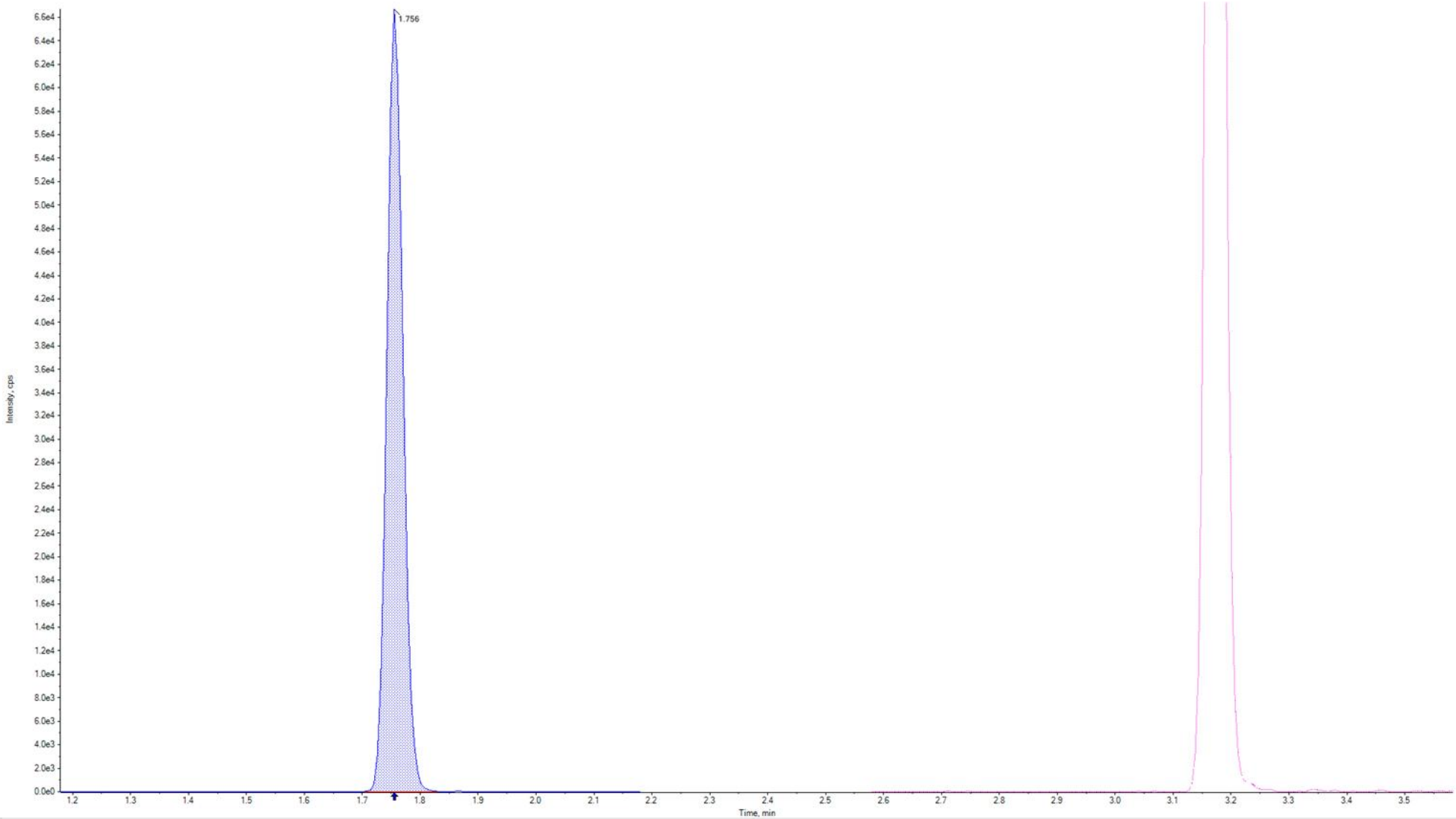
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_14.wiff2_4
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

TDCA_2
Sample: IA1633STD-2.5 S/N:N/A Points Across peak:N/A



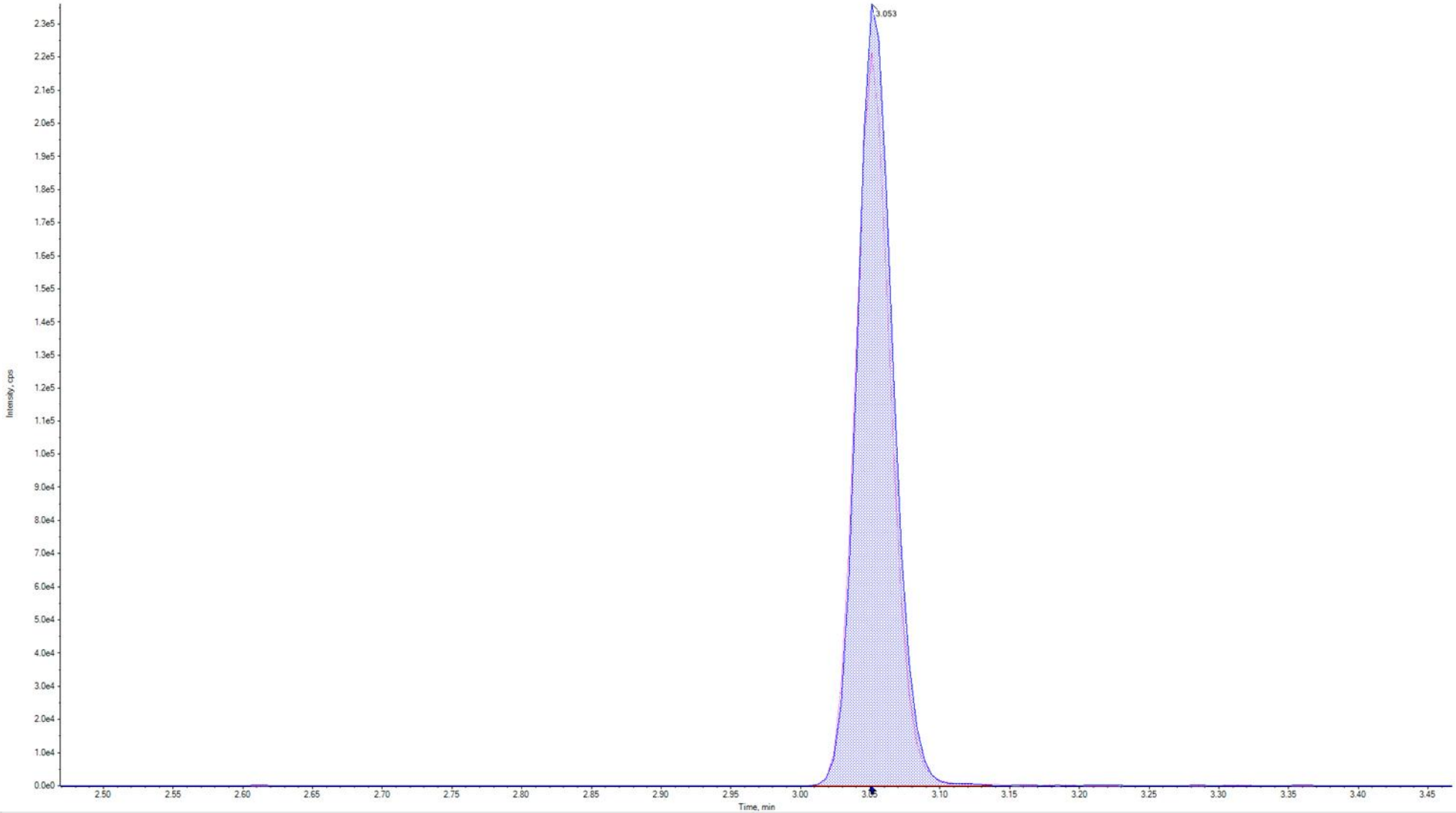
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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13C2D4-4:2FTS
Sample: IA1633STD-2.5 S/N:2507.5 Points Across peak:32

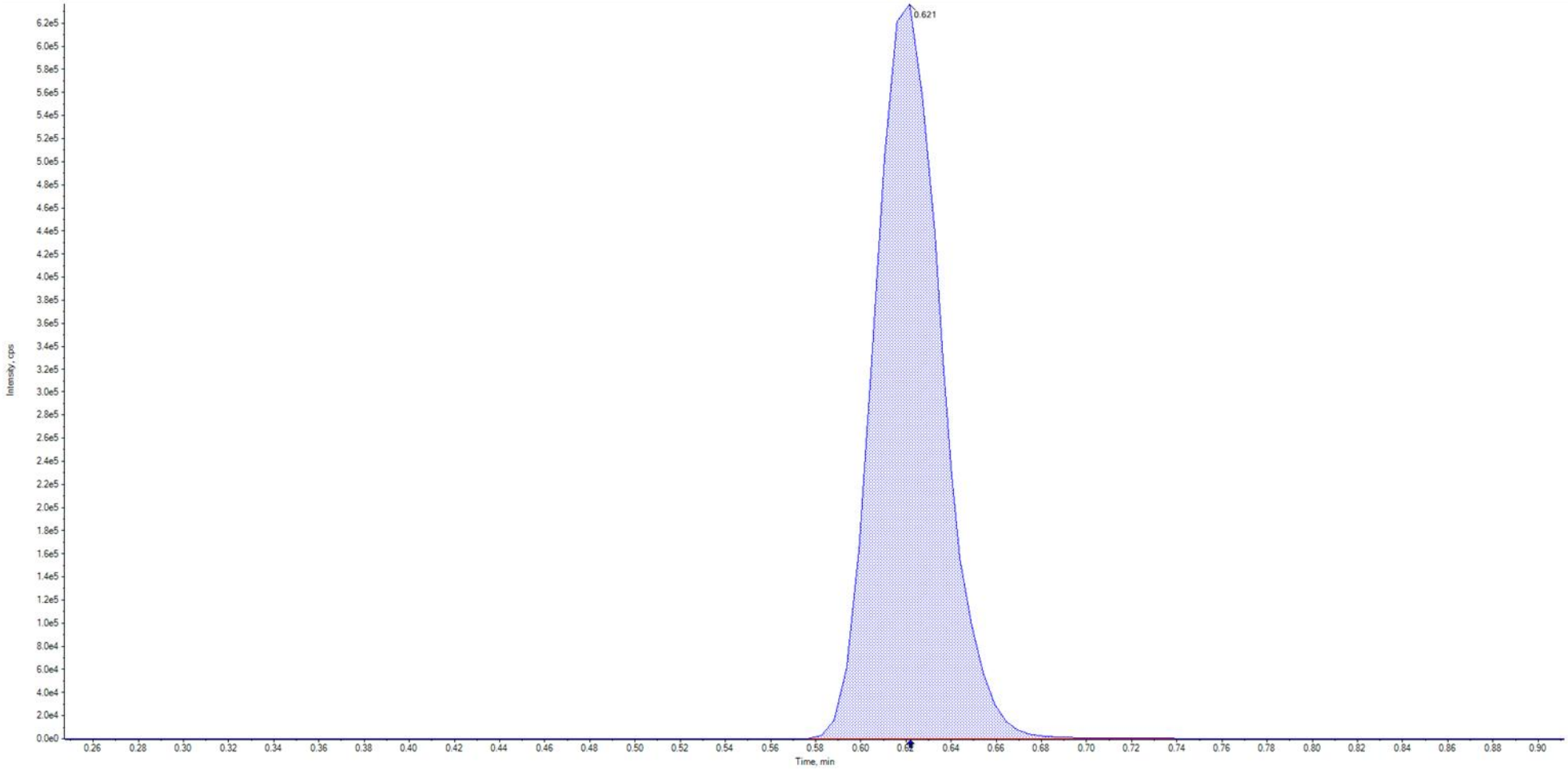


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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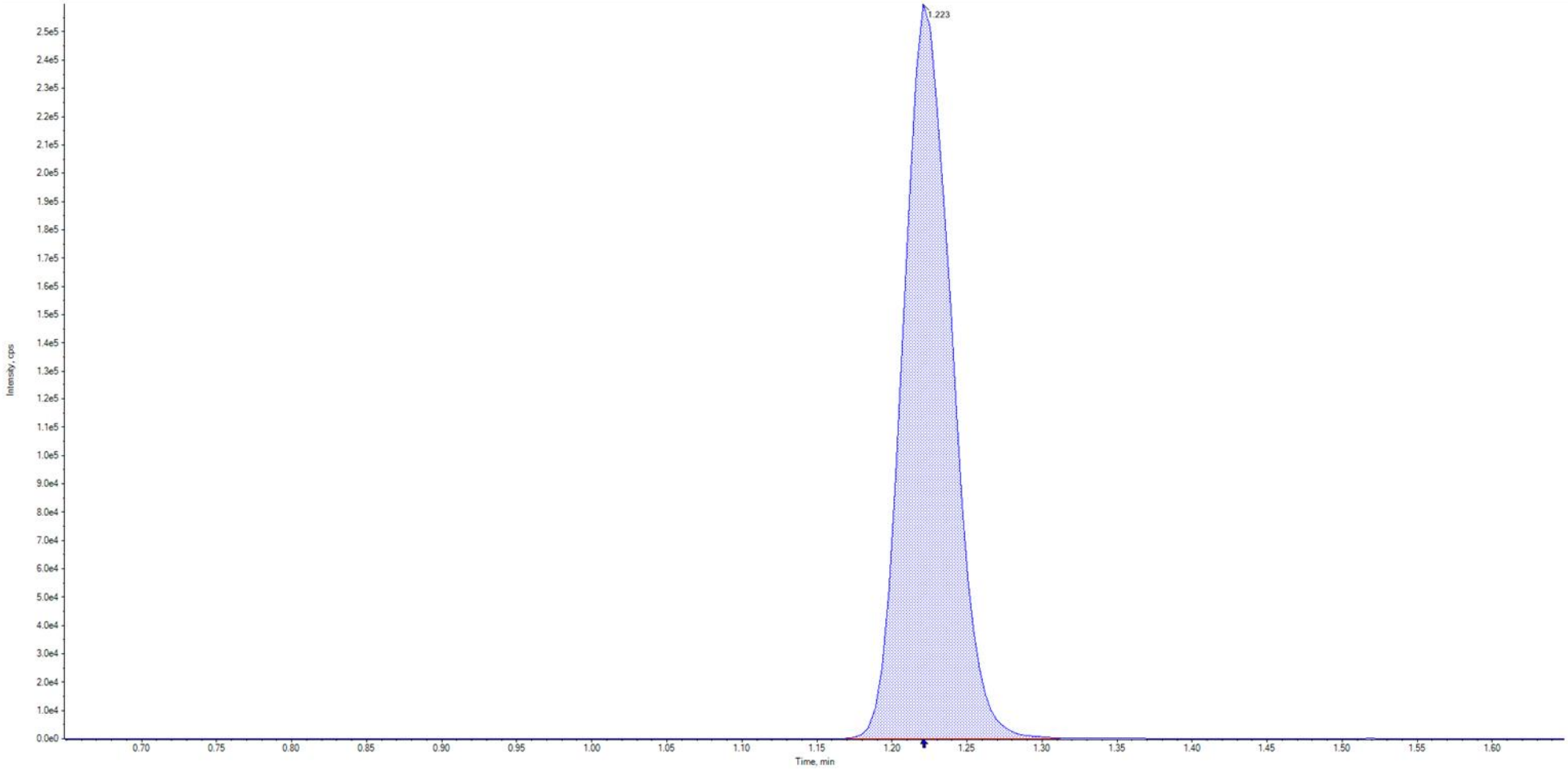
13C2-PFOA
Sample: IA1633STD-2.5 S/N:5324.9 Points Across peak:29



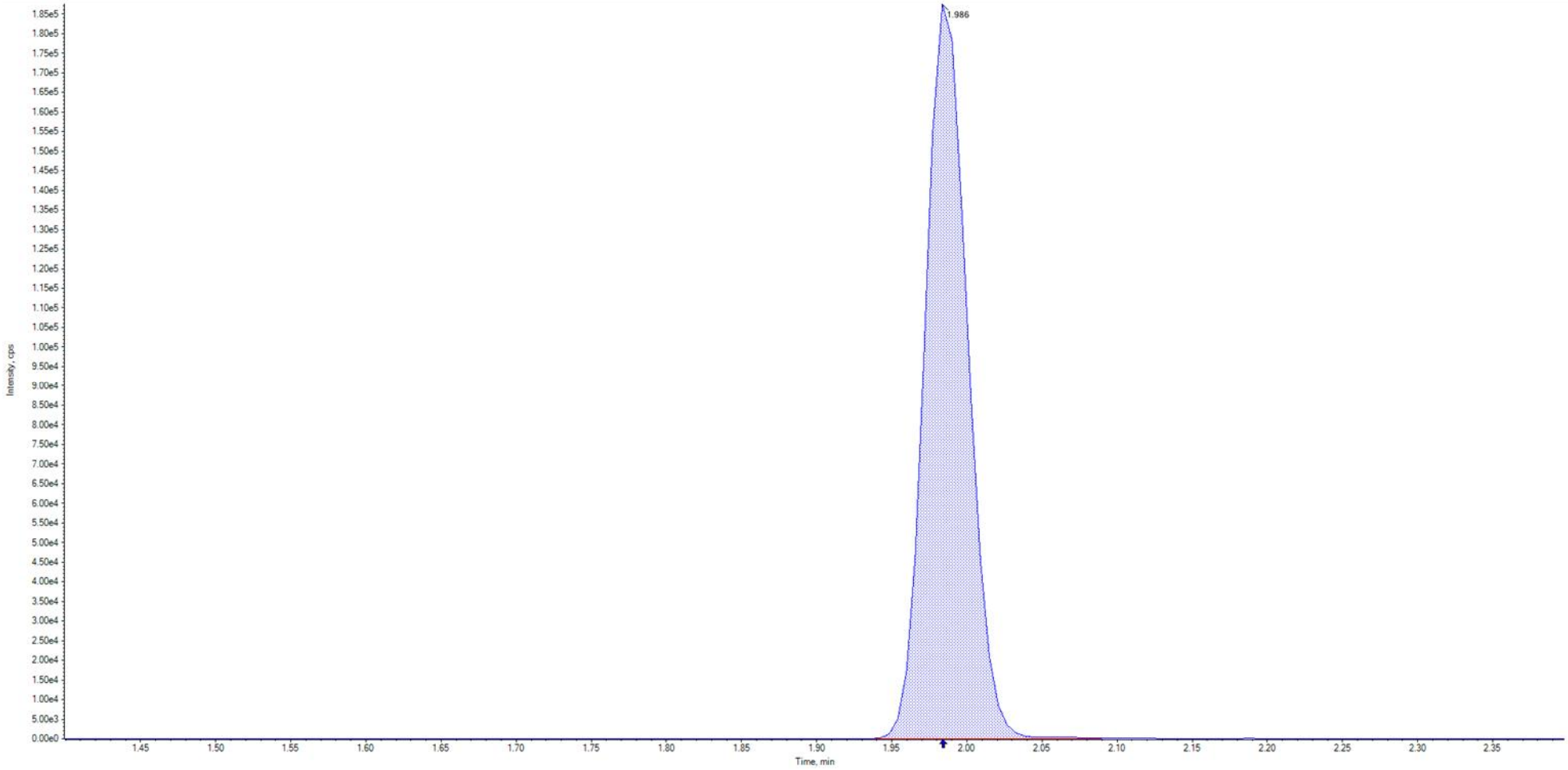
13C4-PFBA
Sample: IA1633STD-2.5



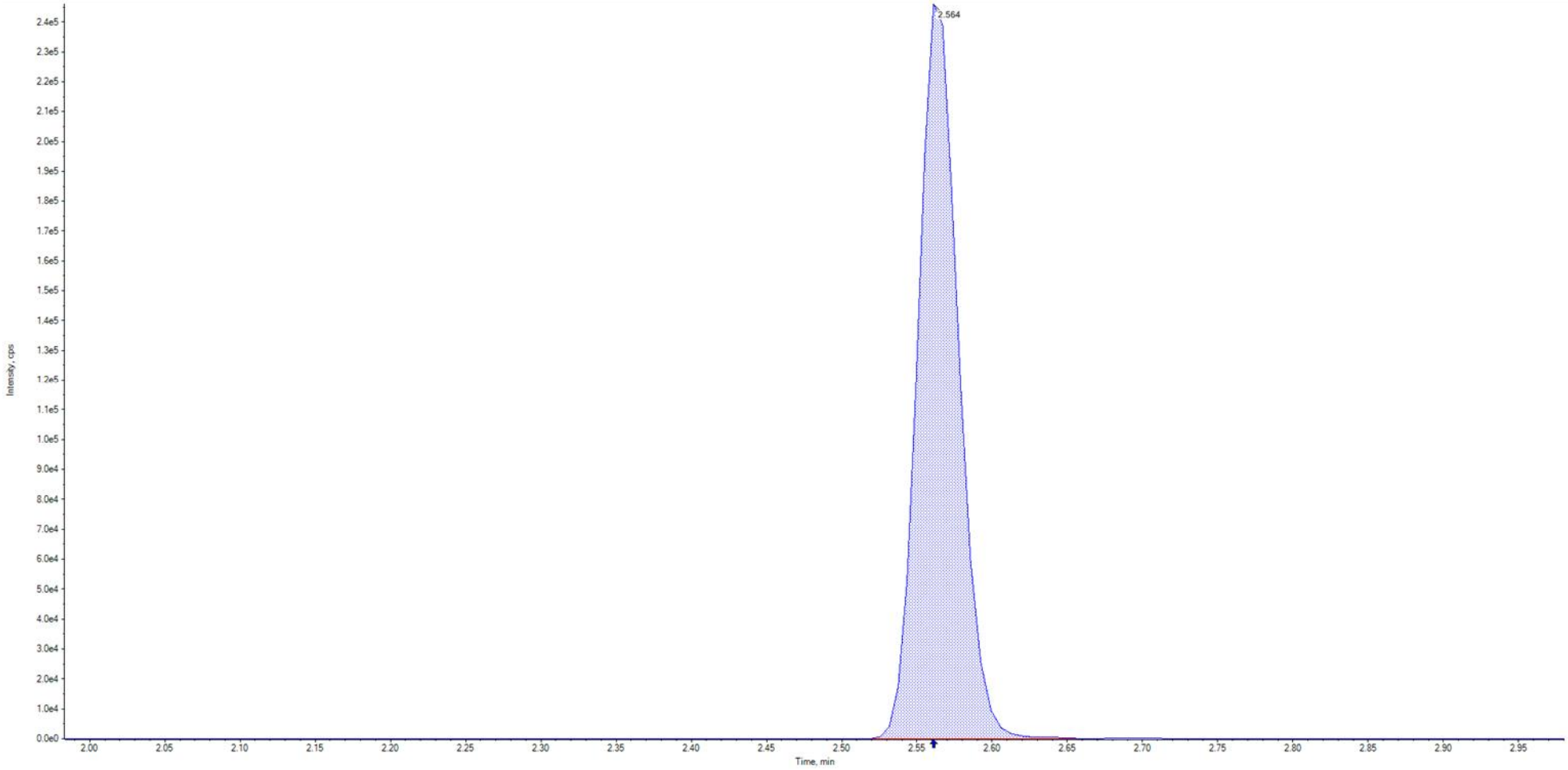
13C5-PFPeA
Sample: IA1633STD-2.5



13C5-PFHxA
Sample: IA1633STD-2.5

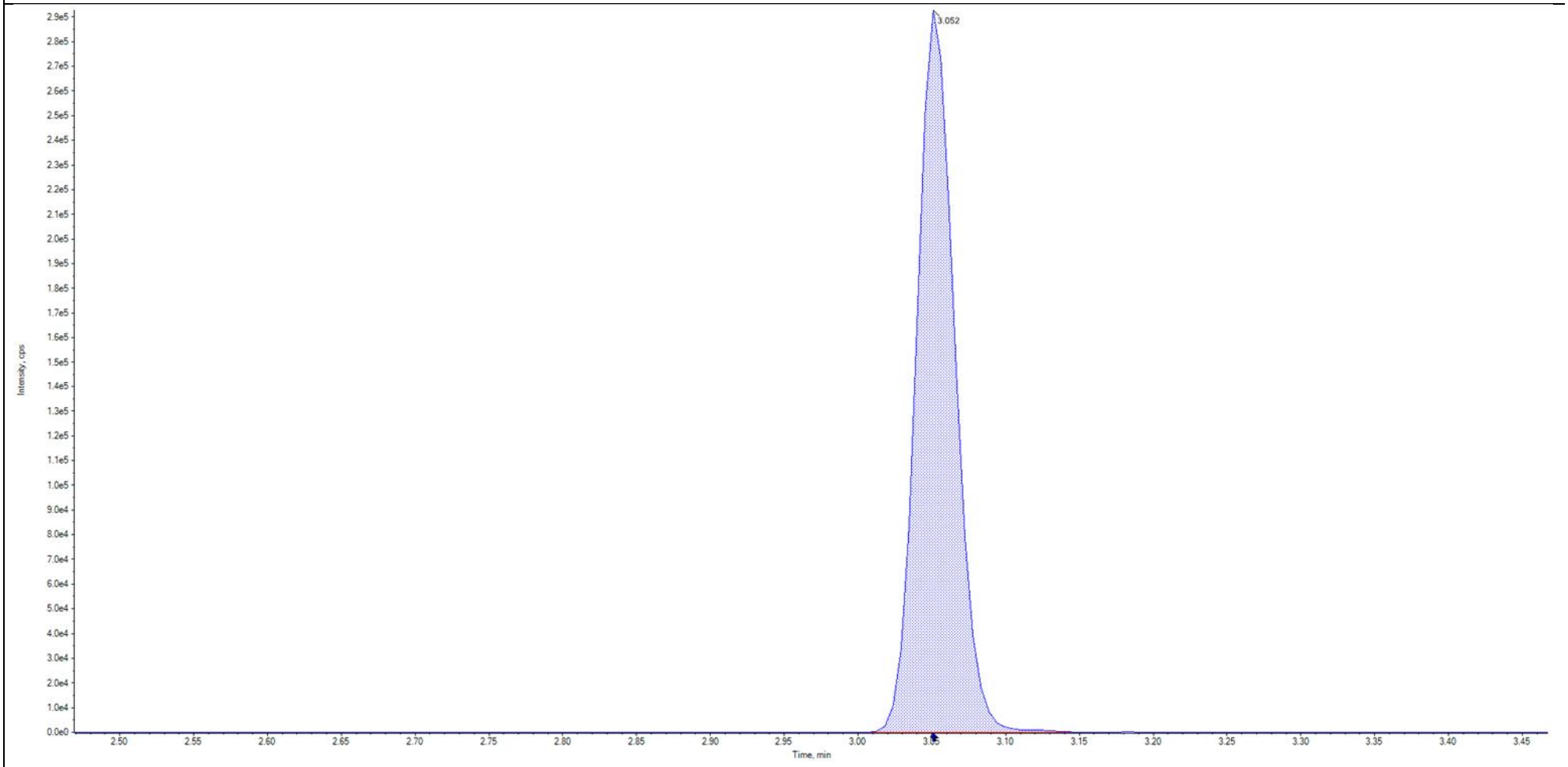


13C4-PFHpA
Sample: IA1633STD-2.5

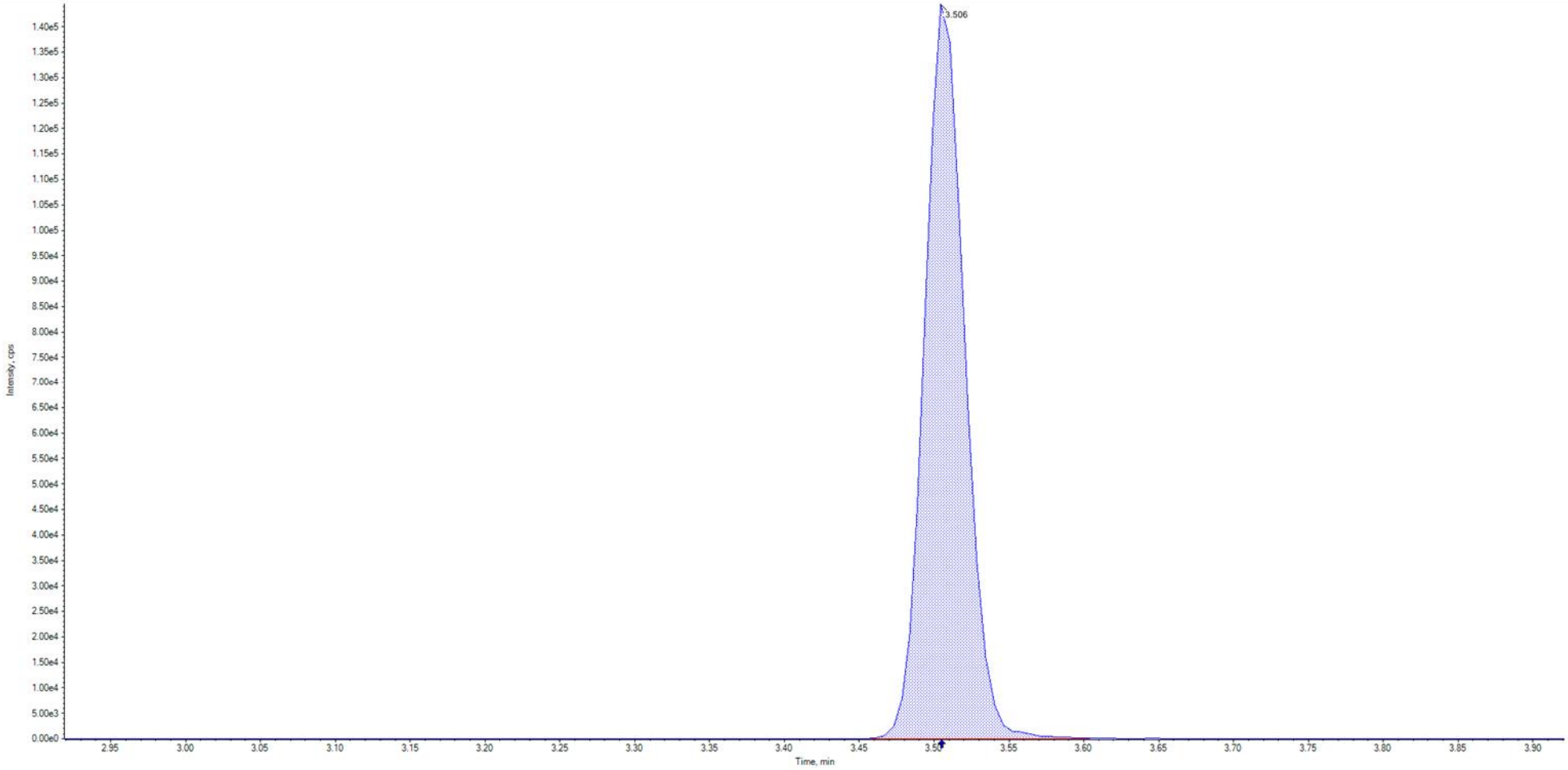


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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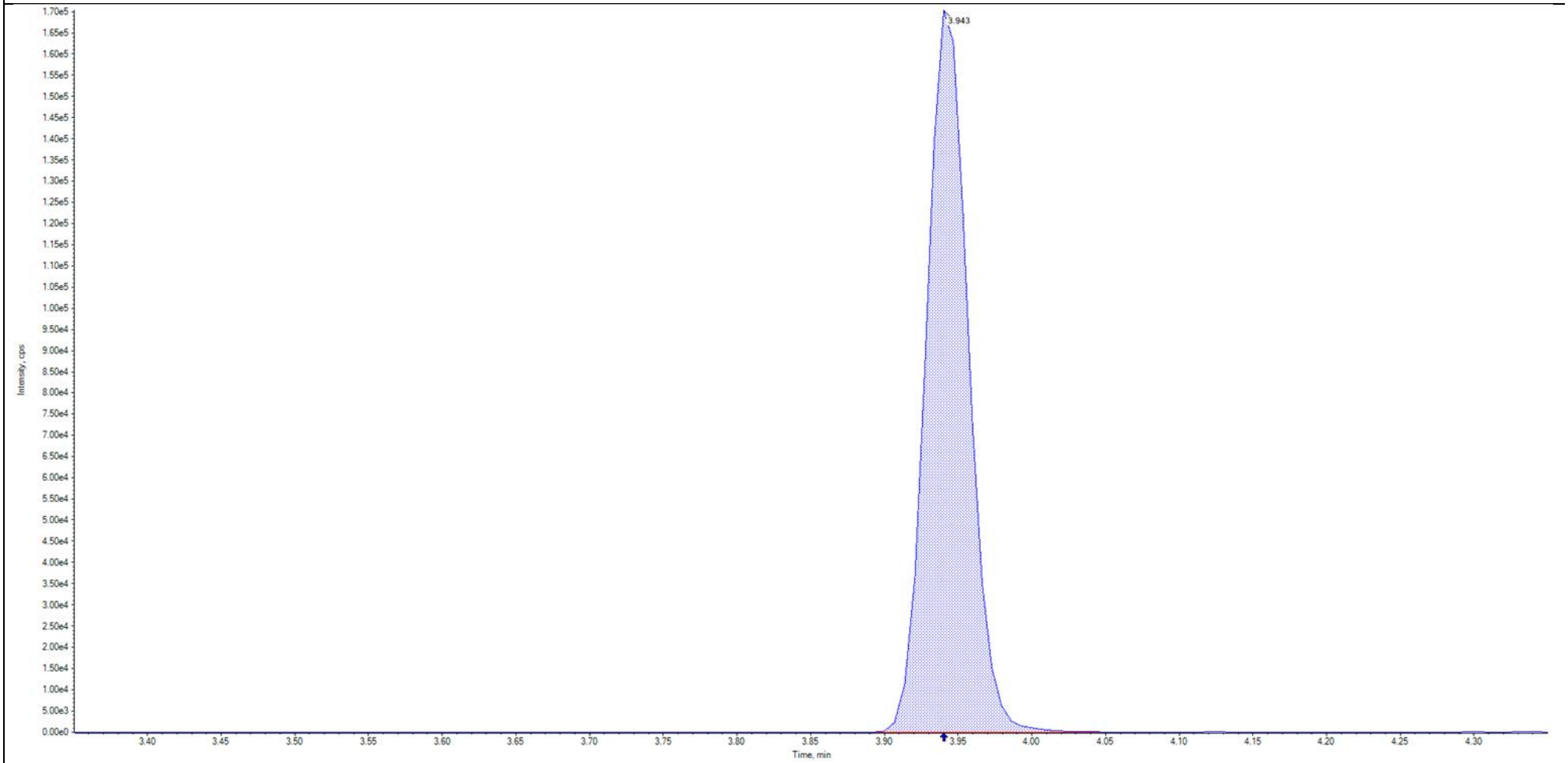
13C8-PFOA
Sample: IA1633STD-2.5



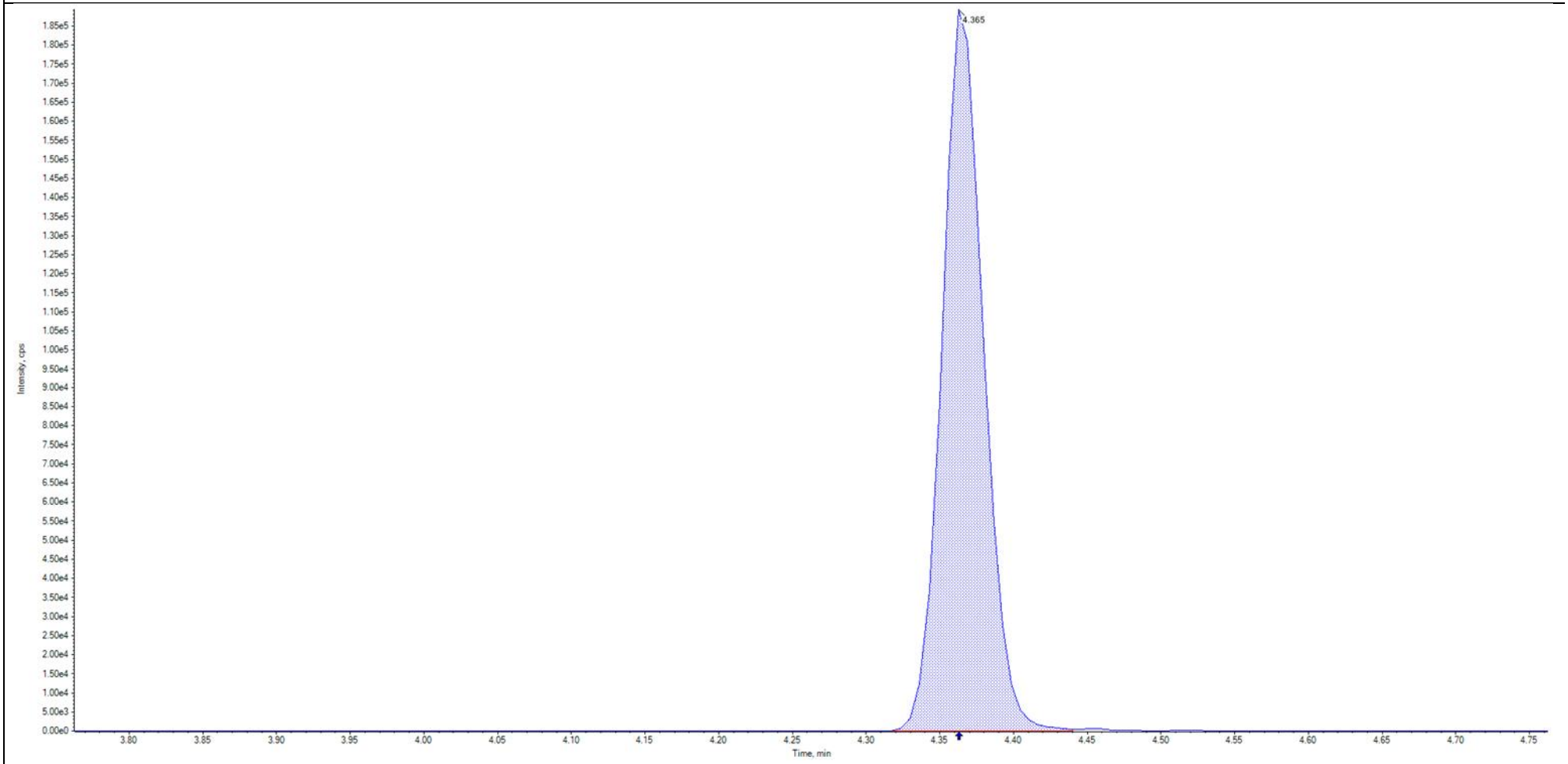
13C9-PFNA
Sample: IA1633STD-2.5



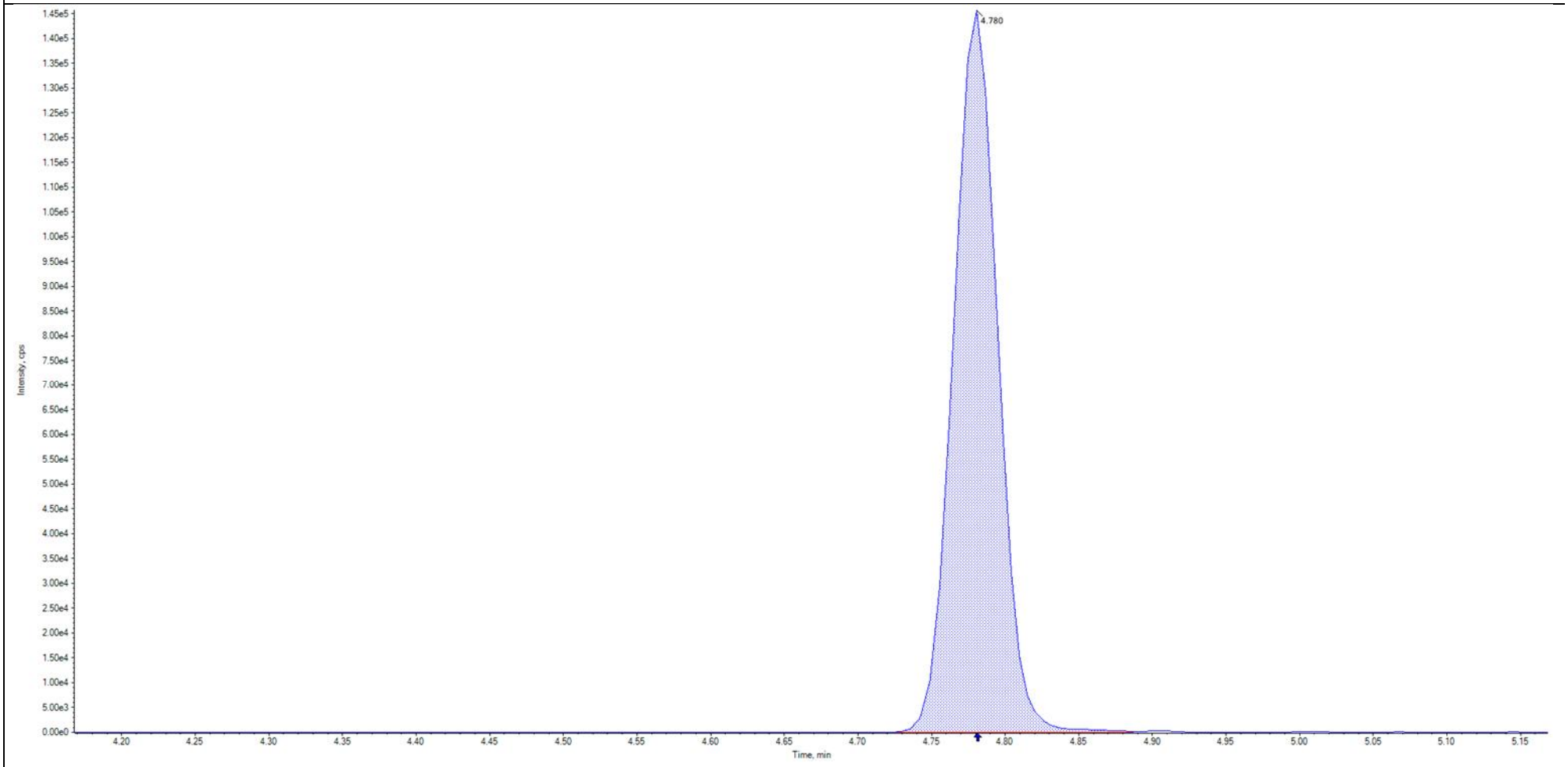
13C6-PFDA
Sample: IA1633STD-2.5



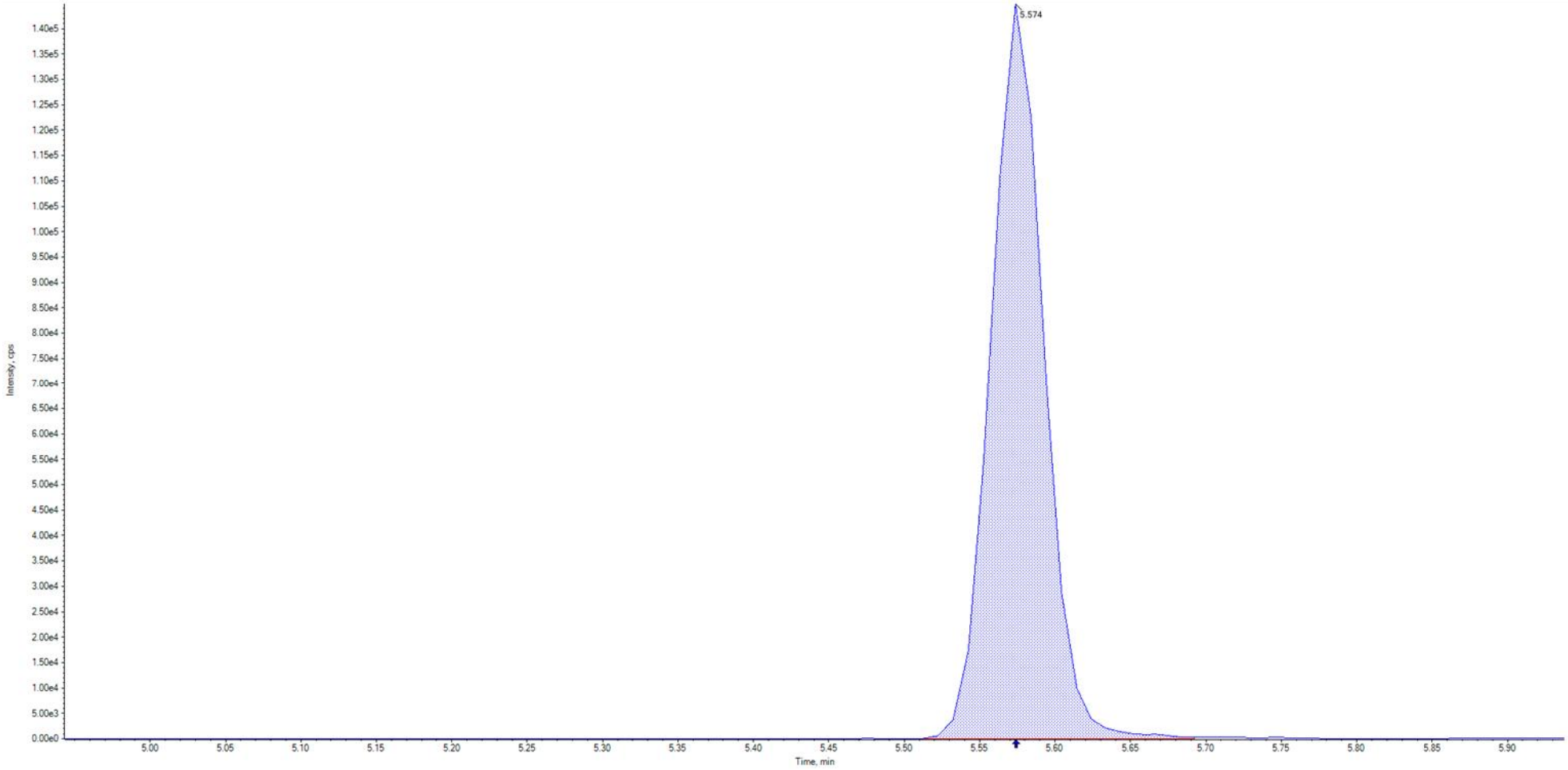
13C7-PFUnA
Sample: IA1633STD-2.5



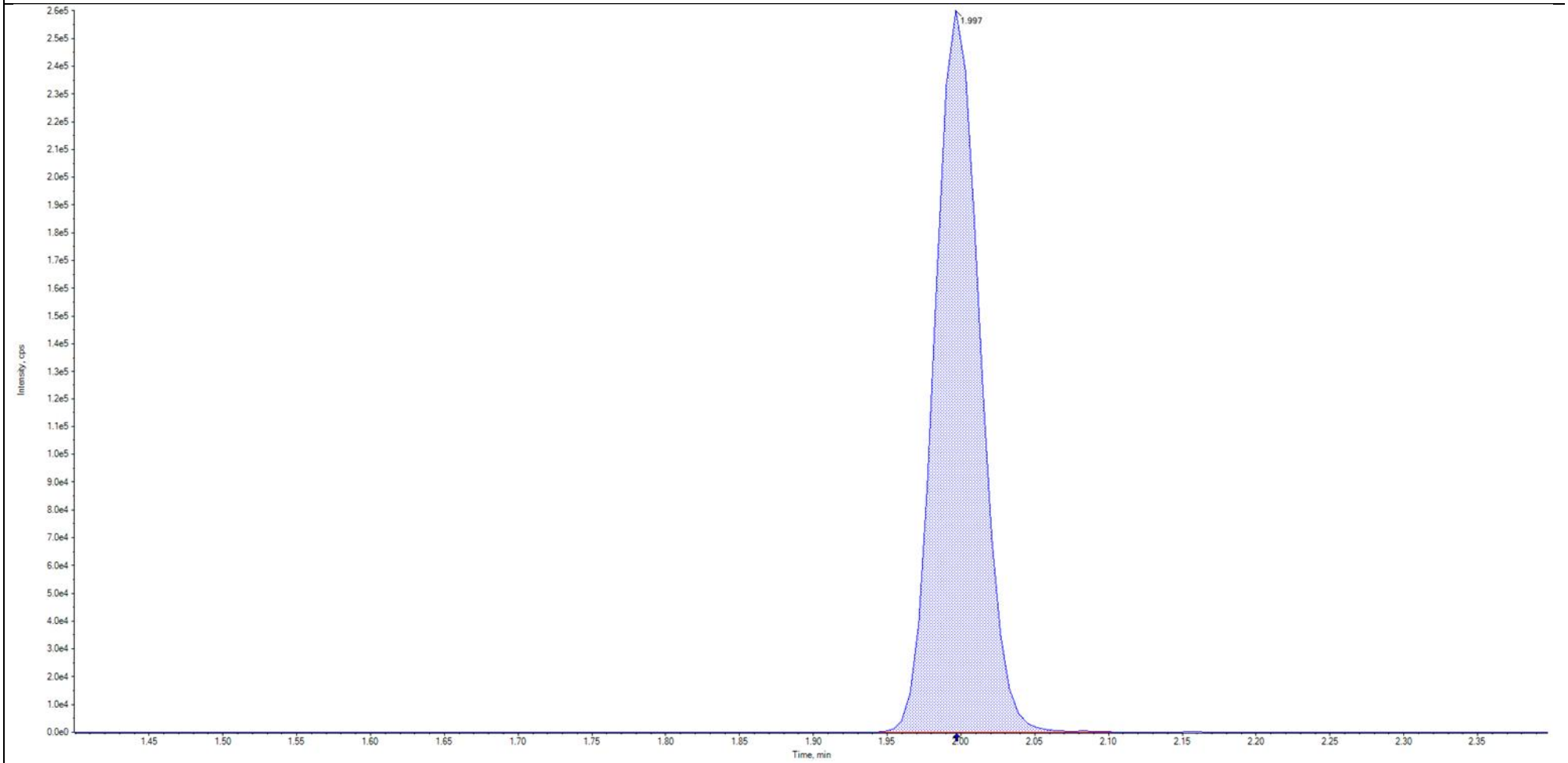
13C2-PFDoA
Sample: IA1633STD-2.5



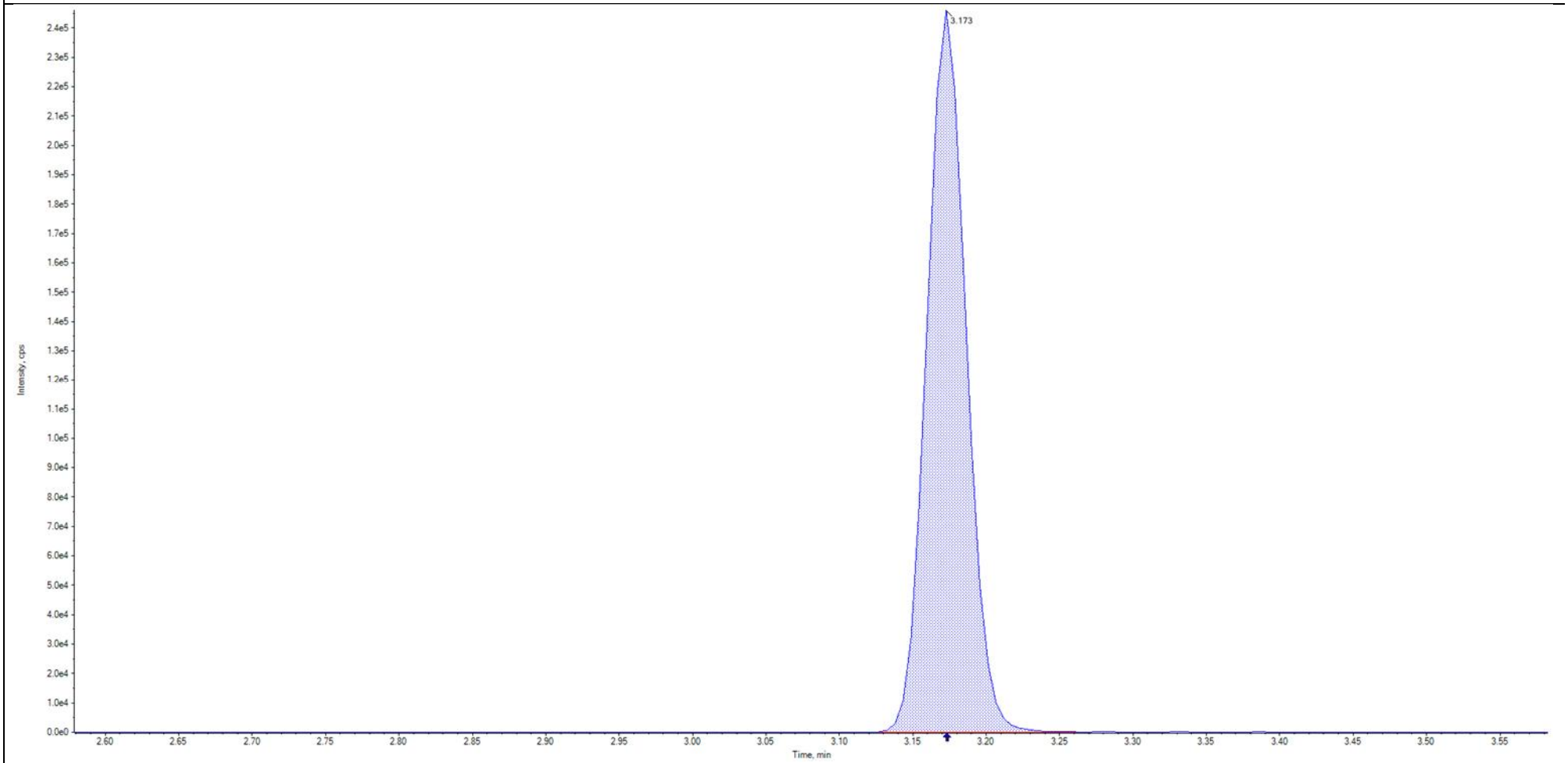
13C2-PFTeDA
Sample: IA1633STD-2.5



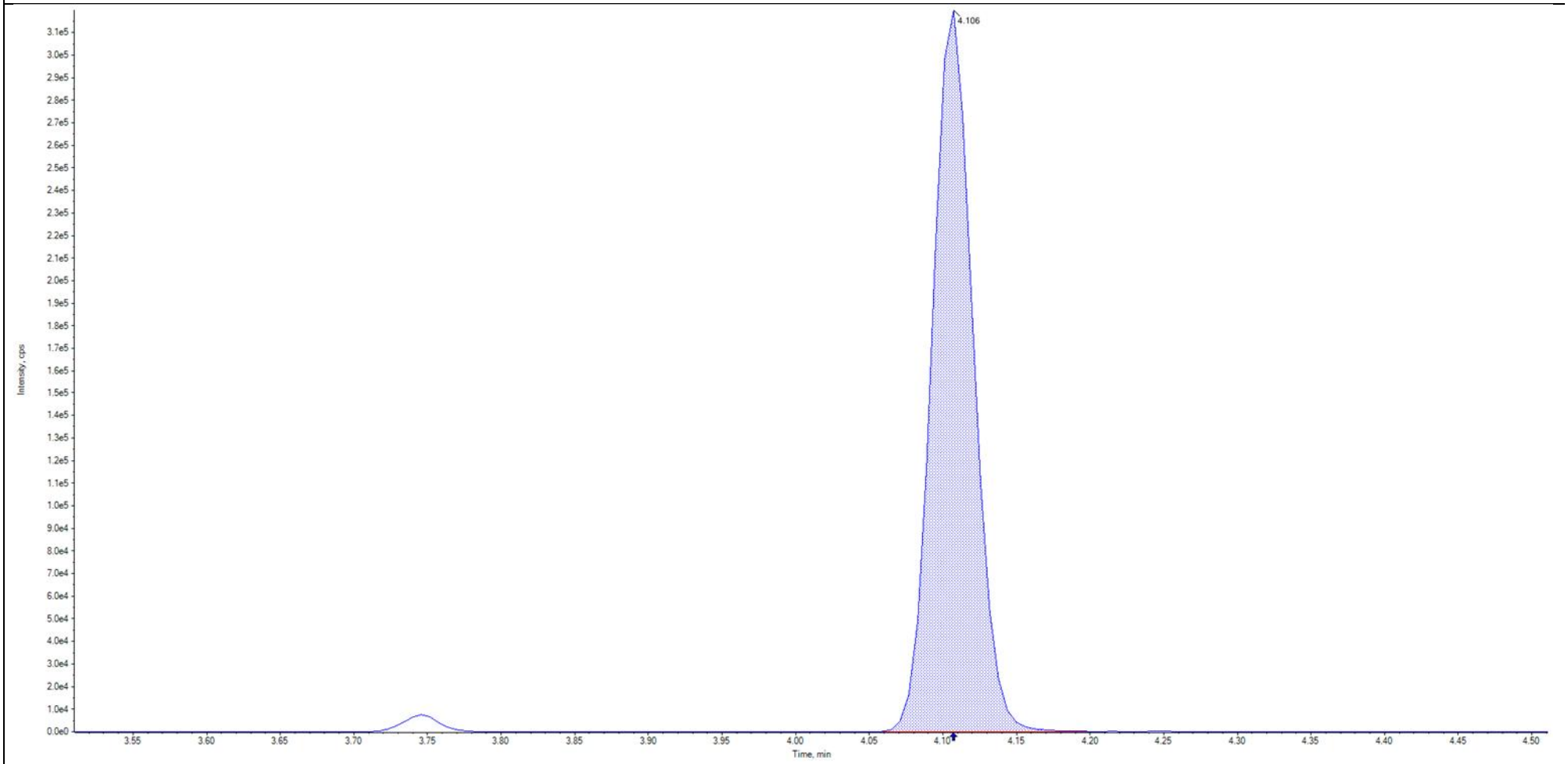
13C3-PFBS
Sample: IA1633STD-2.5



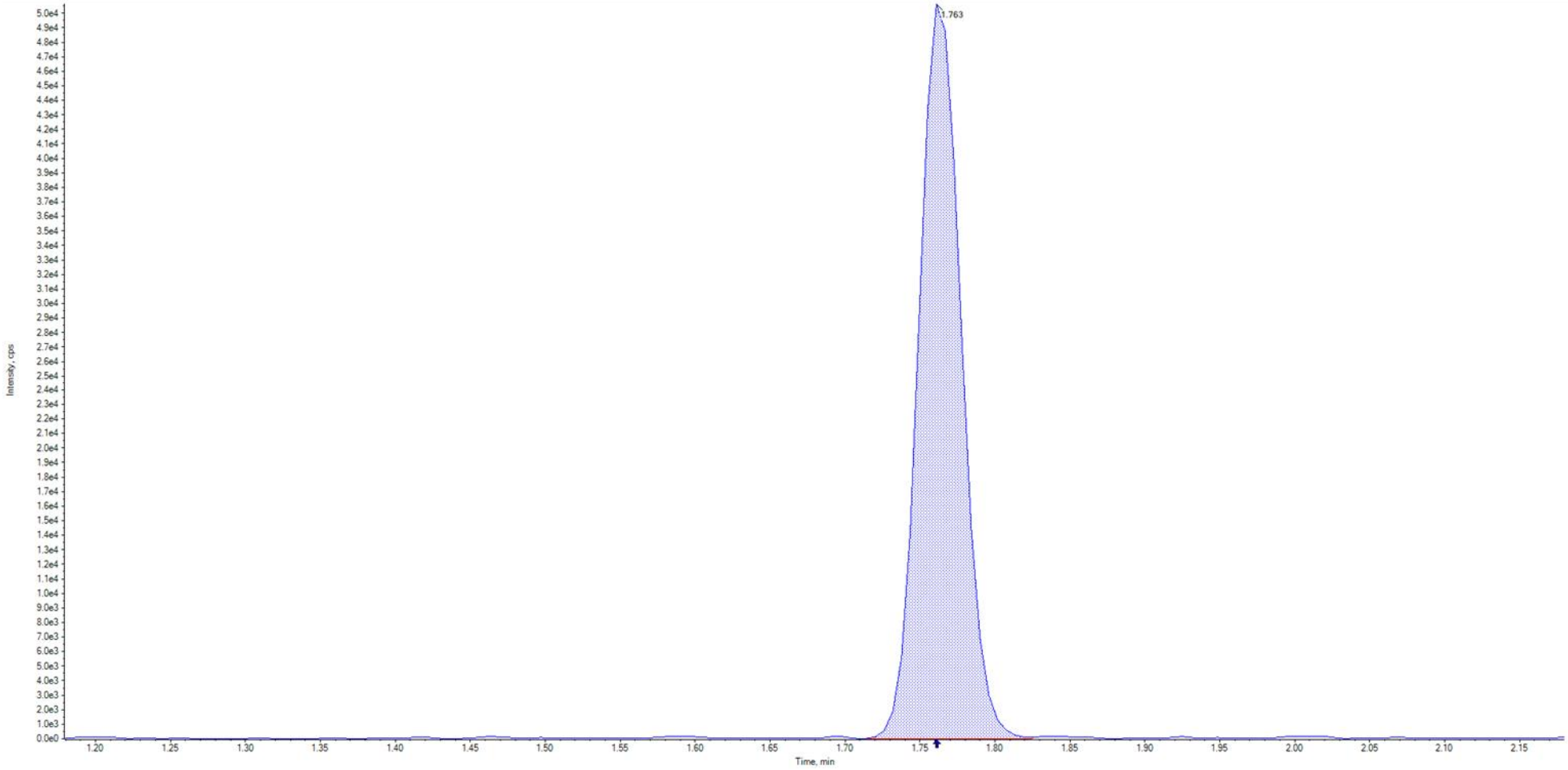
13C3-PFHxS
Sample: IA1633STD-2.5



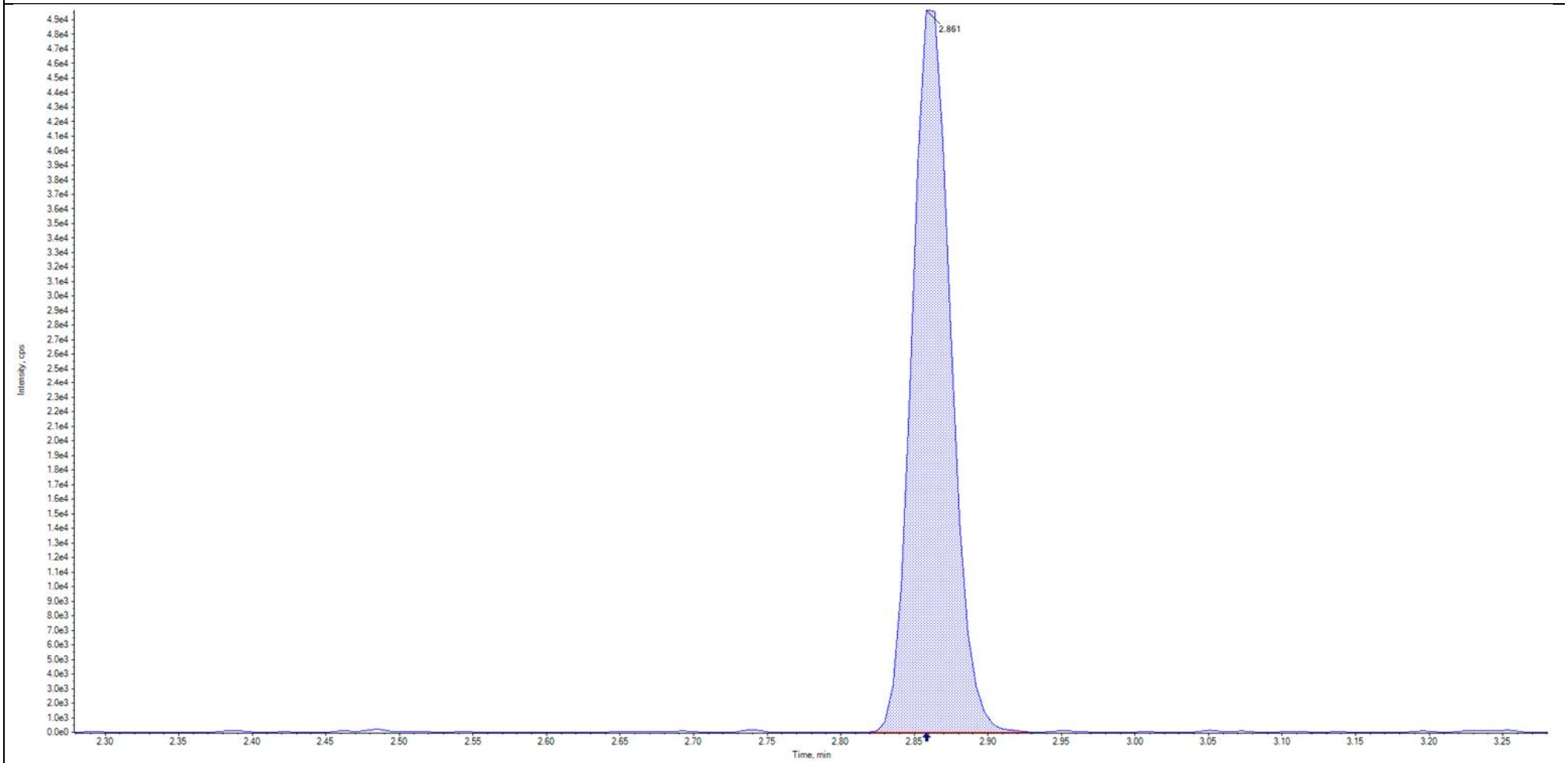
13C8-PFOS
Sample: IA1633STD-2.5



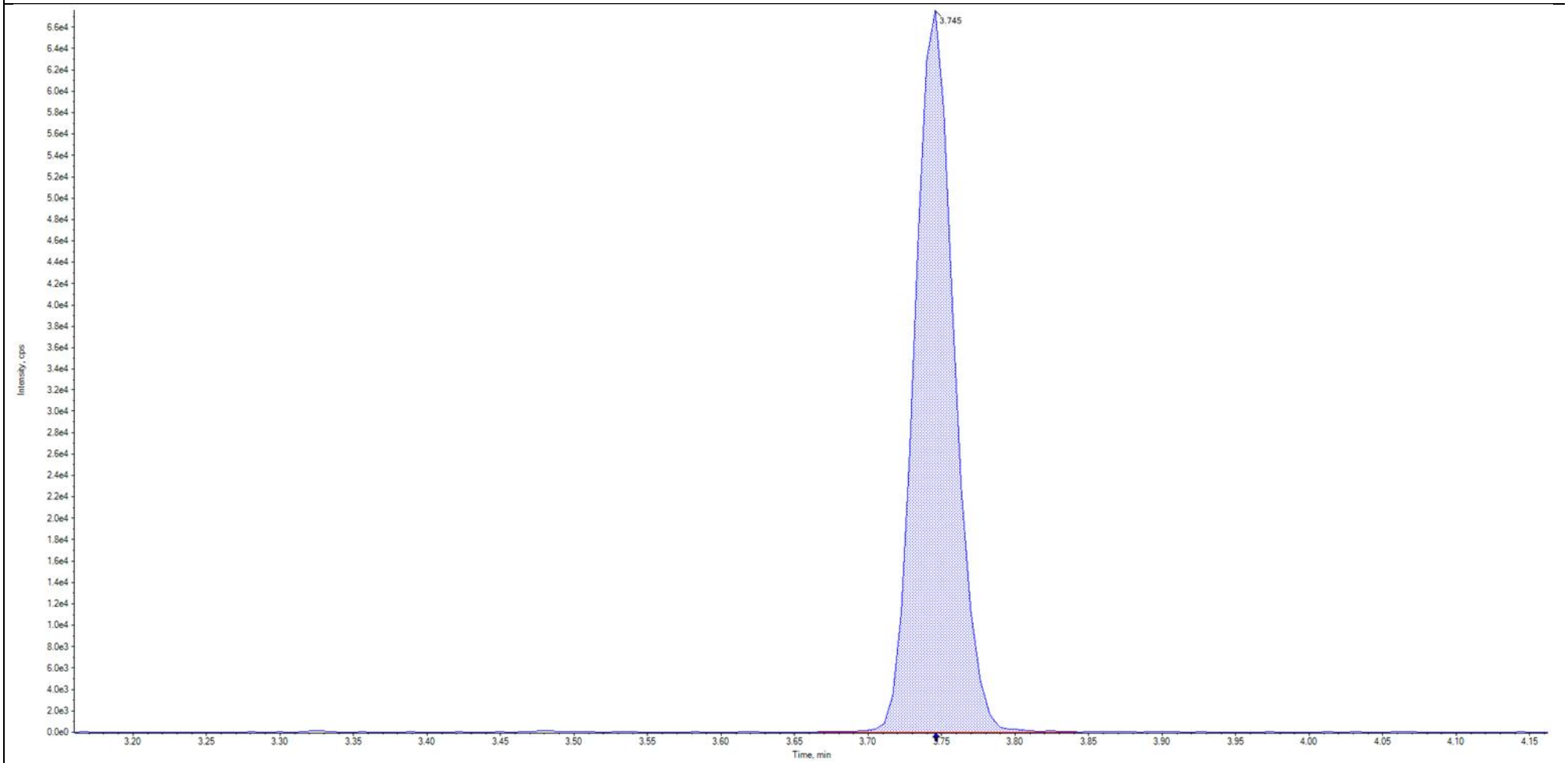
13C2-4:2FTS
Sample: IA1633STD-2.5



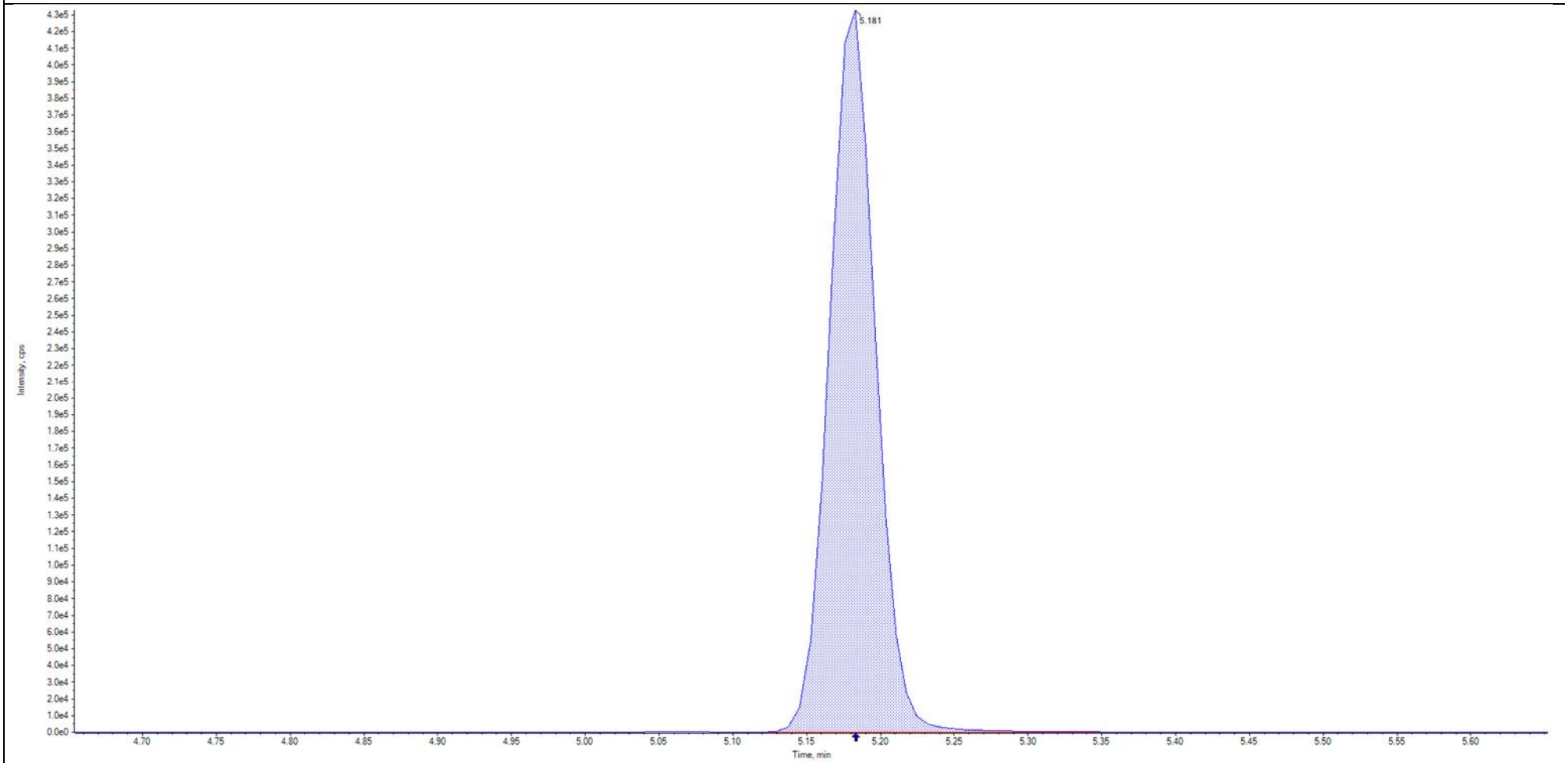
13C2-6:2FTS
Sample: IA1633STD-2.5



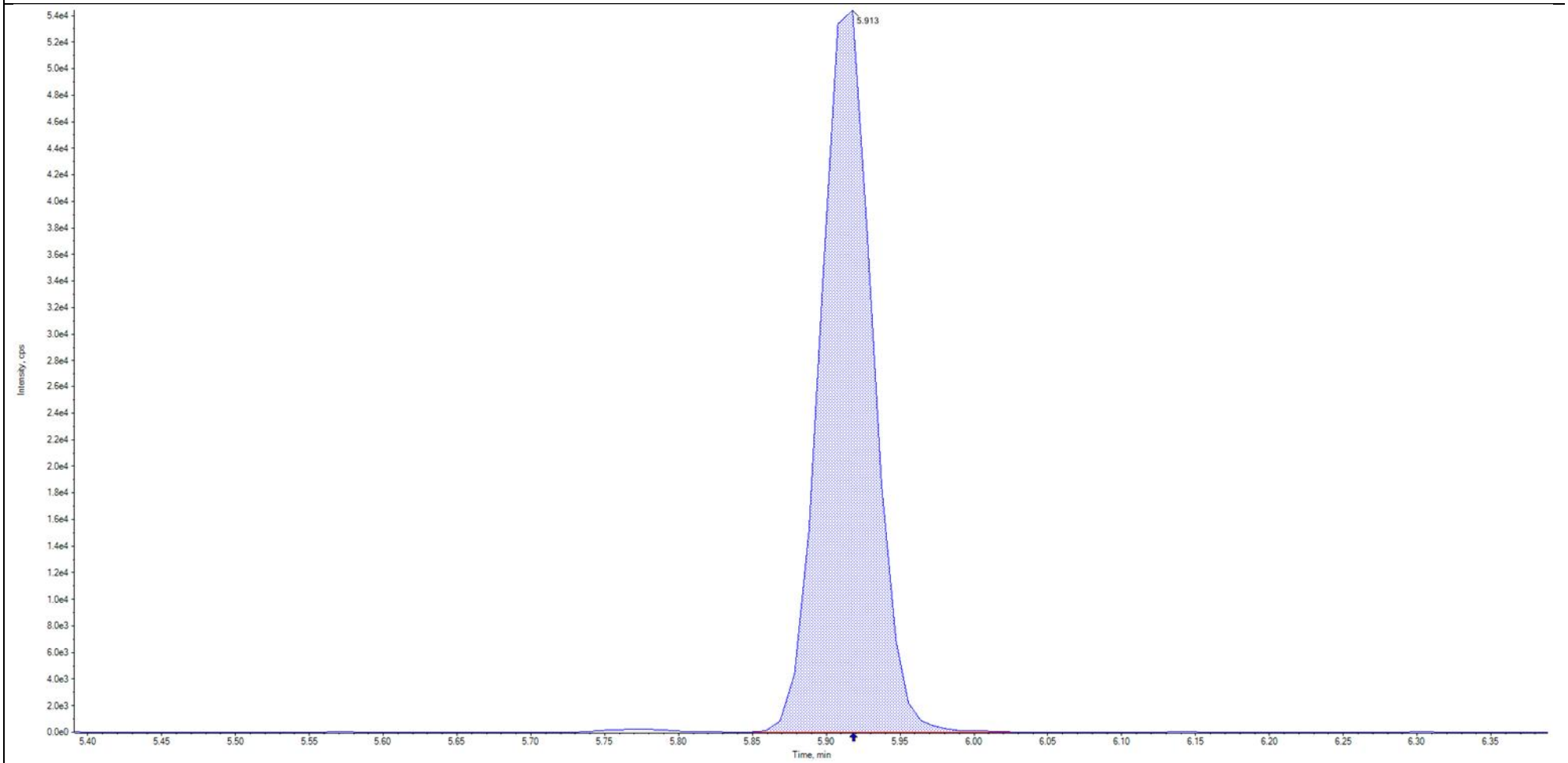
13C2-8:2FTS
Sample: IA1633STD-2.5



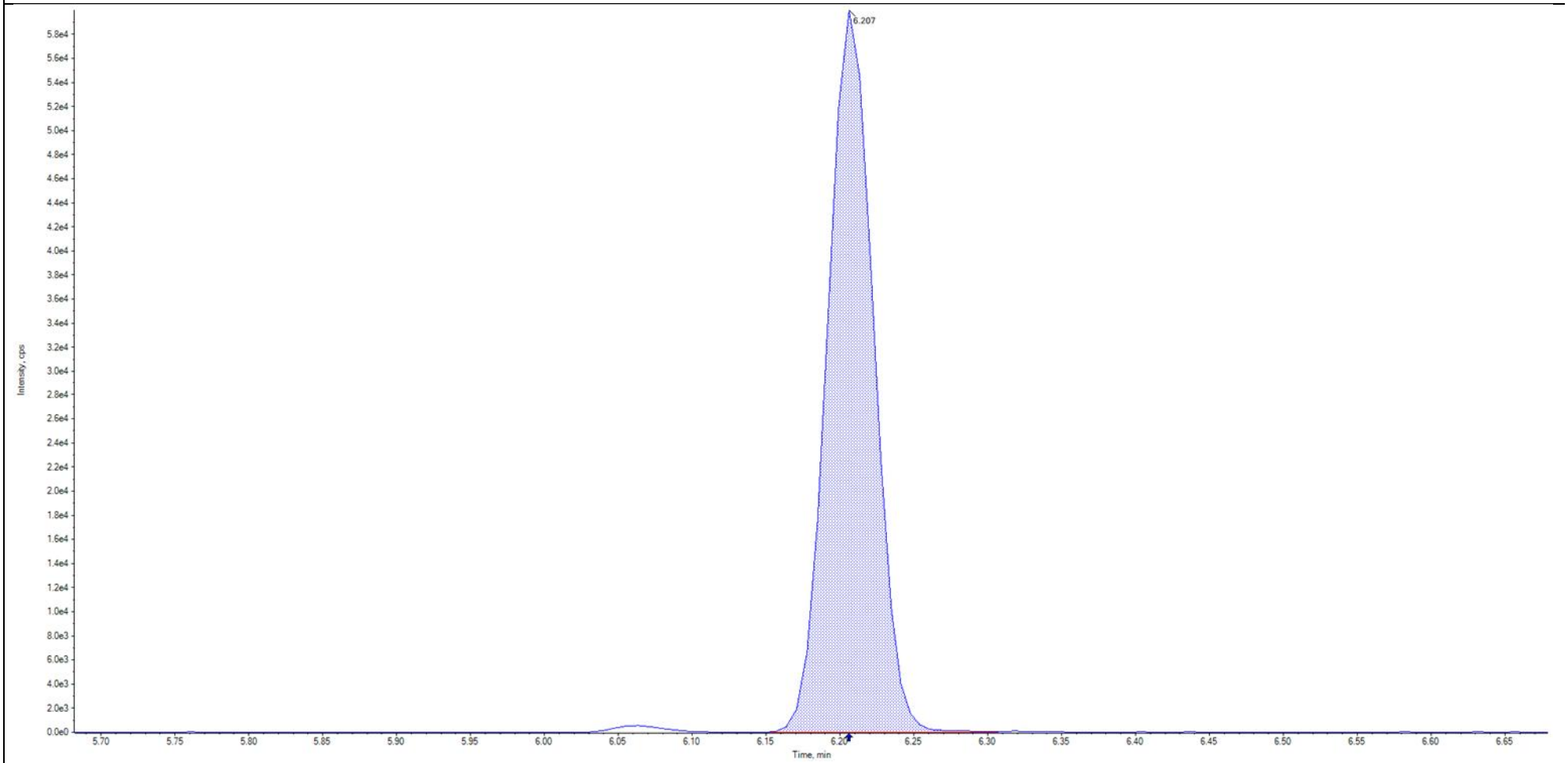
13C8-PFOSA
Sample: IA1633STD-2.5



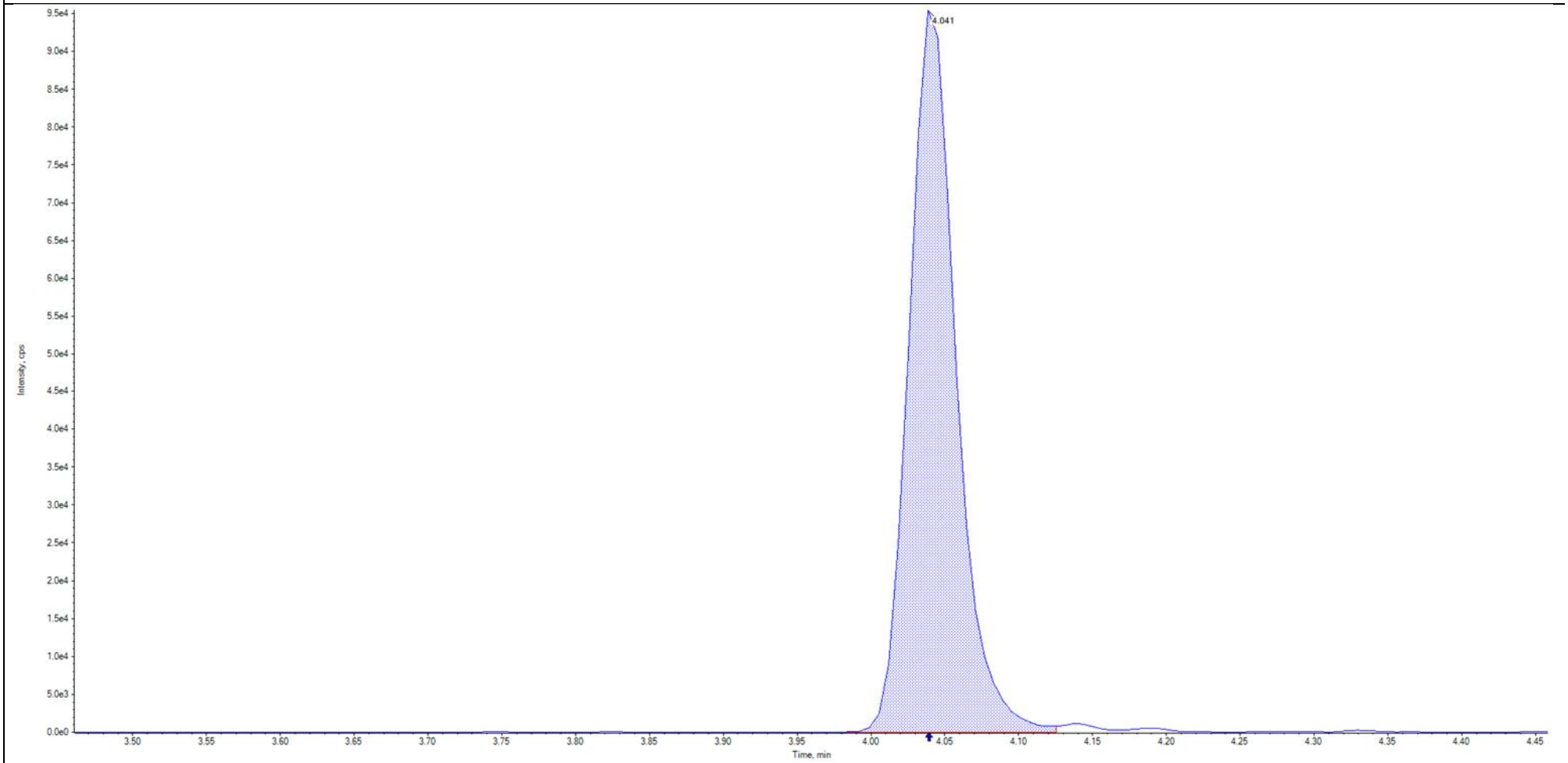
d3-NMeFOSA
Sample: IA1633STD-2.5



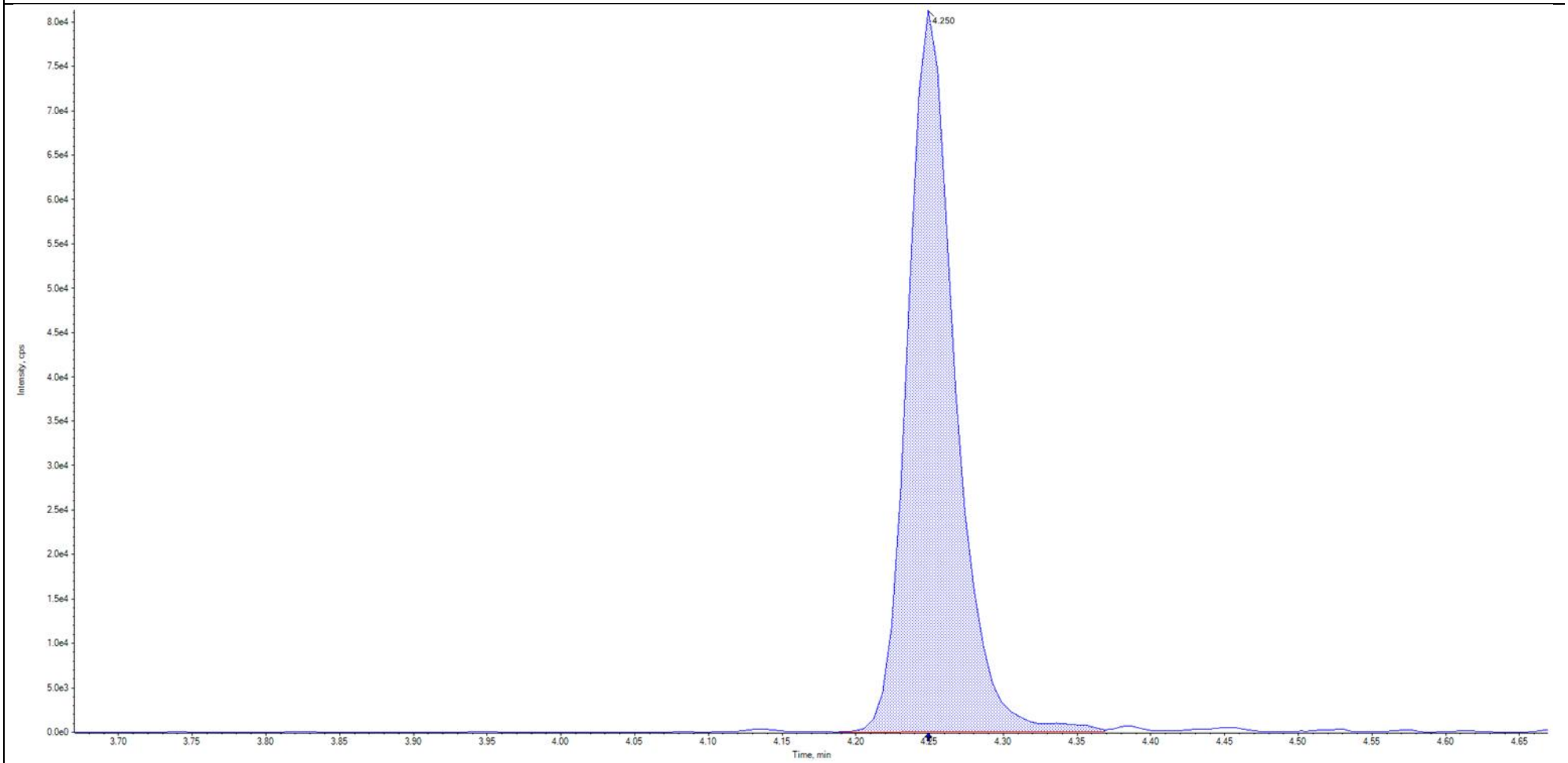
d5-NEtFOSA
Sample: IA1633STD-2.5



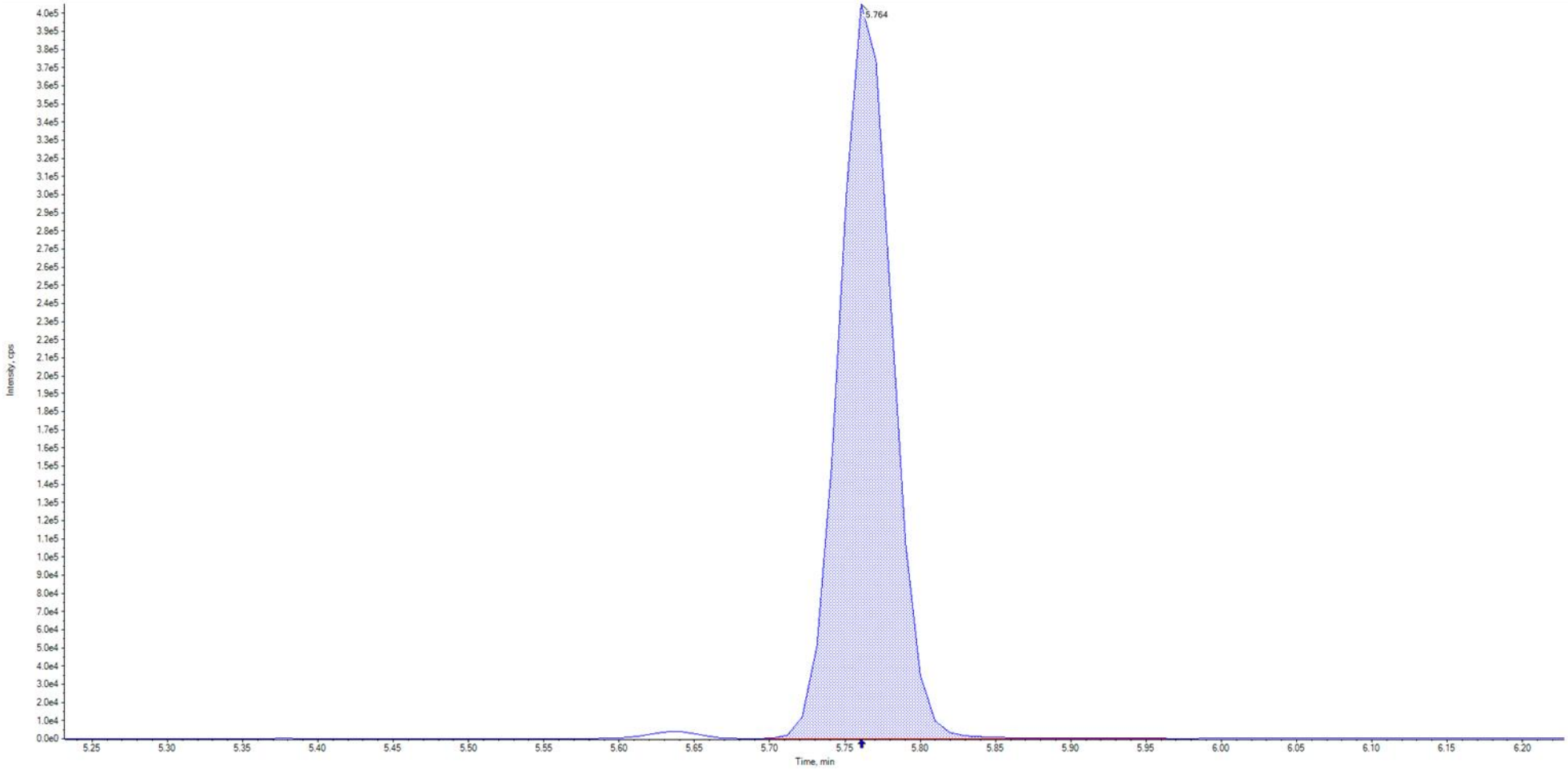
d3-NMeFOSAA
Sample: IA1633STD-2.5



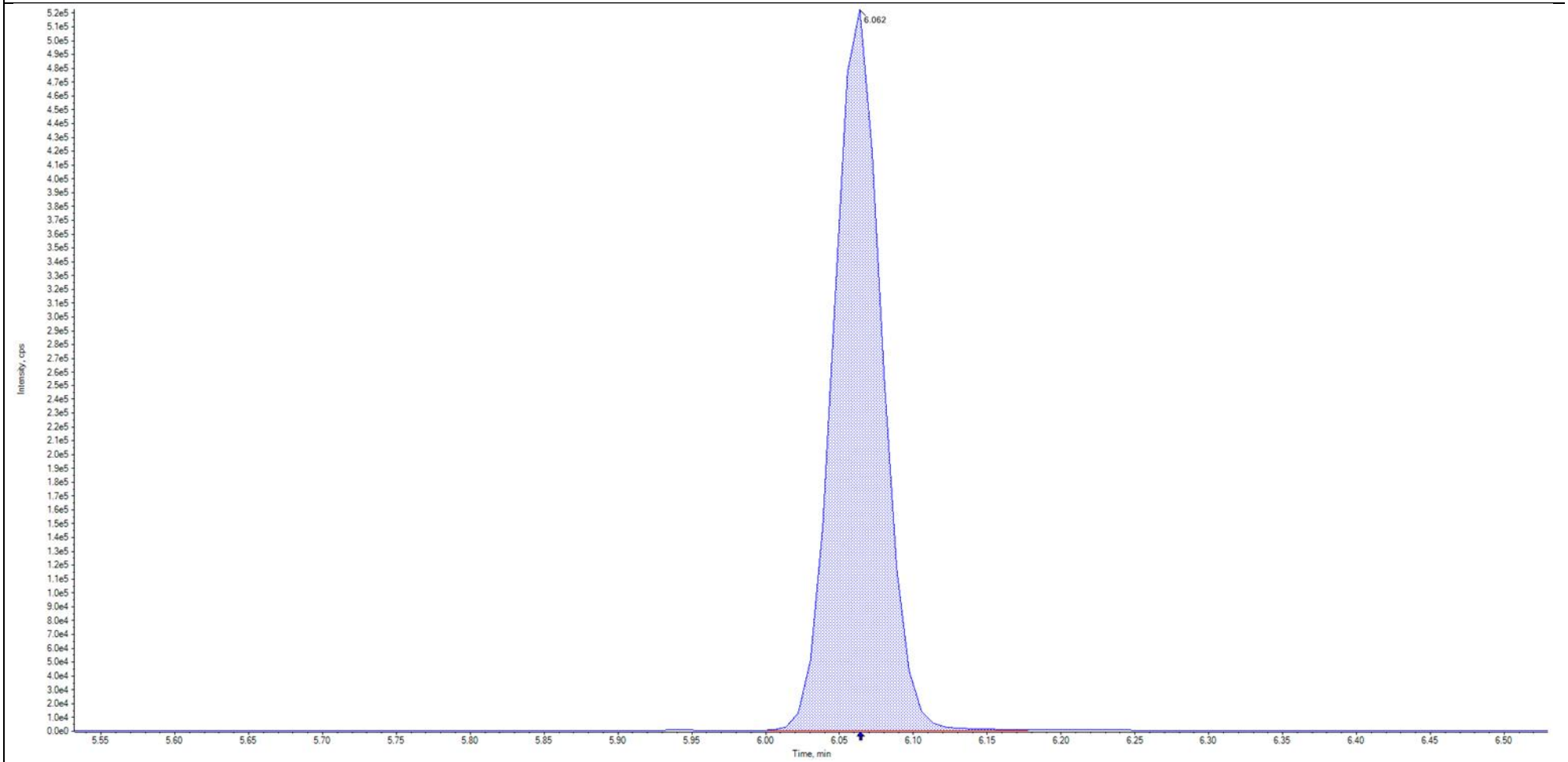
d5-NEtFOSAA
Sample: IA1633STD-2.5



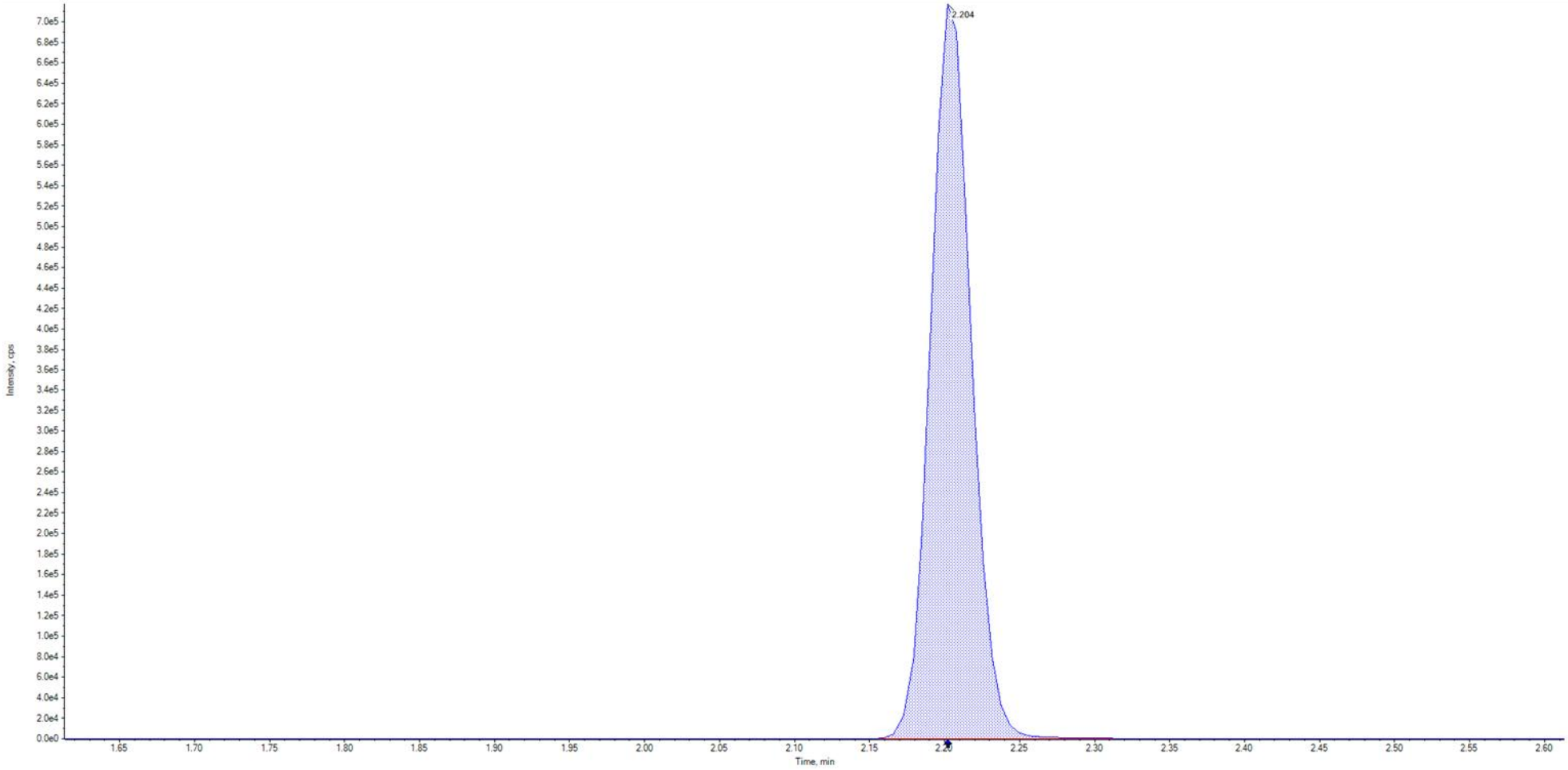
d7-NMeFOSE
Sample: IA1633STD-2.5



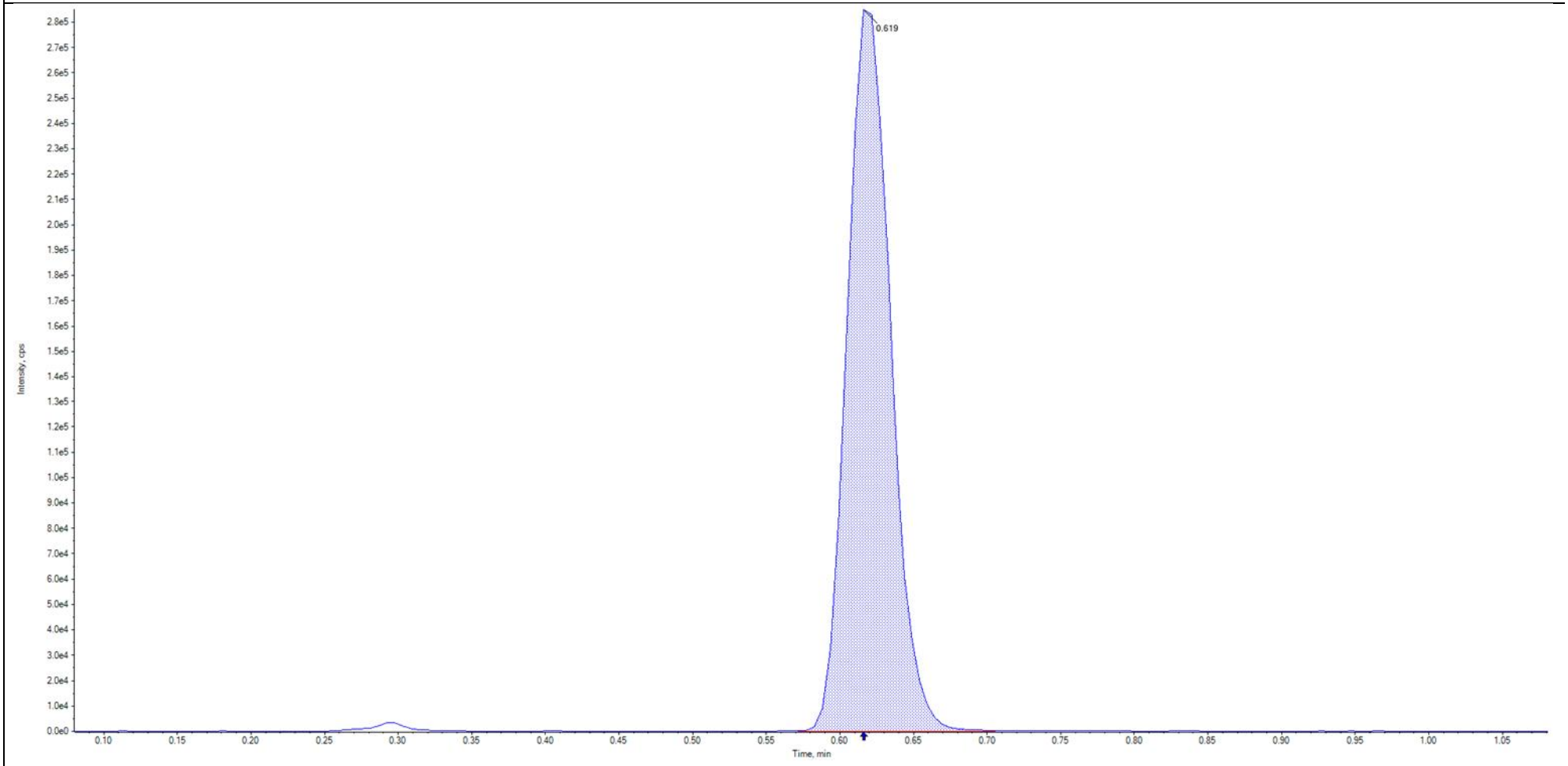
d9-NEtFOSE
Sample: IA1633STD-2.5



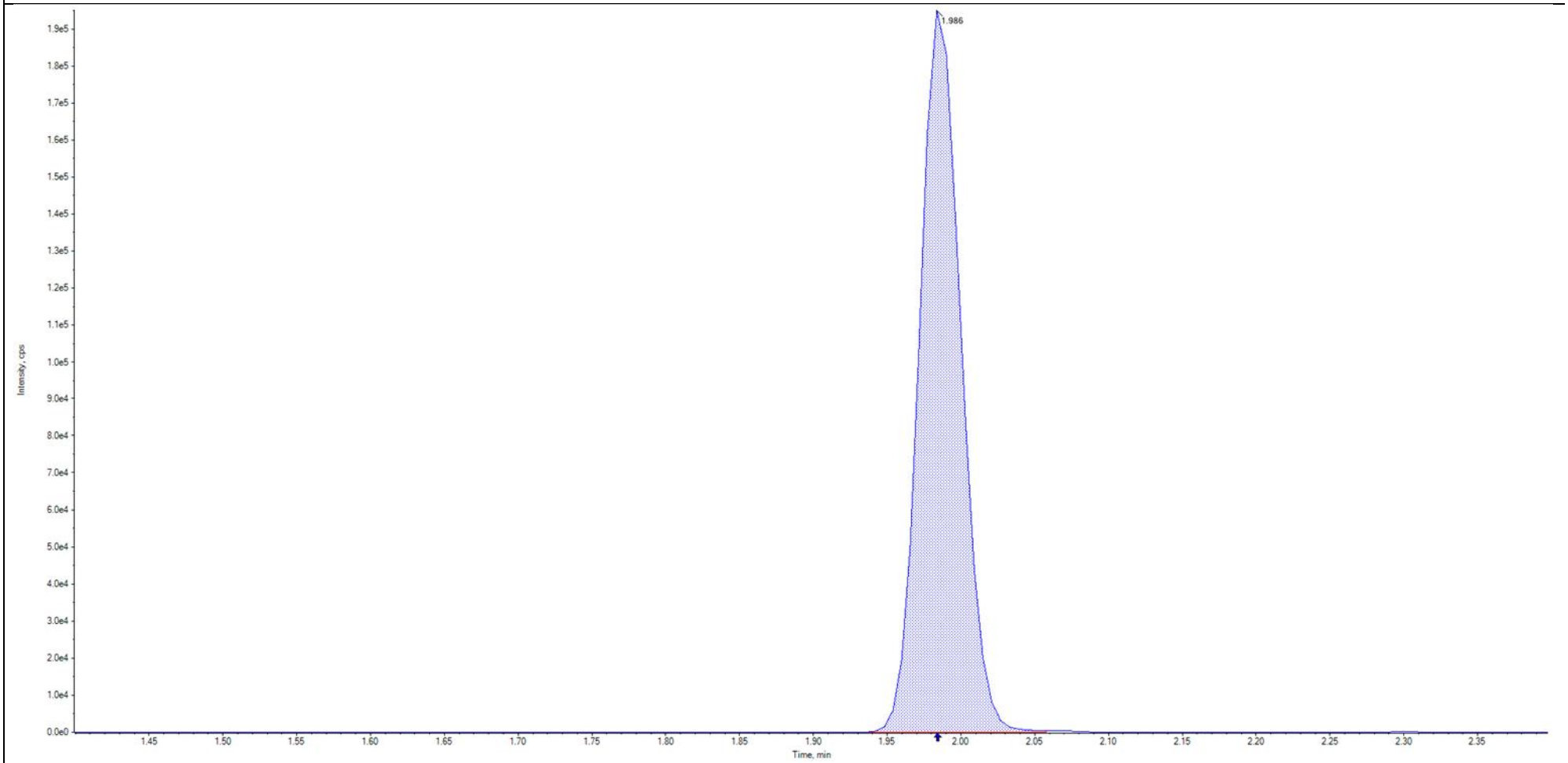
13C3-HFPO-DA
Sample: IA1633STD-2.5



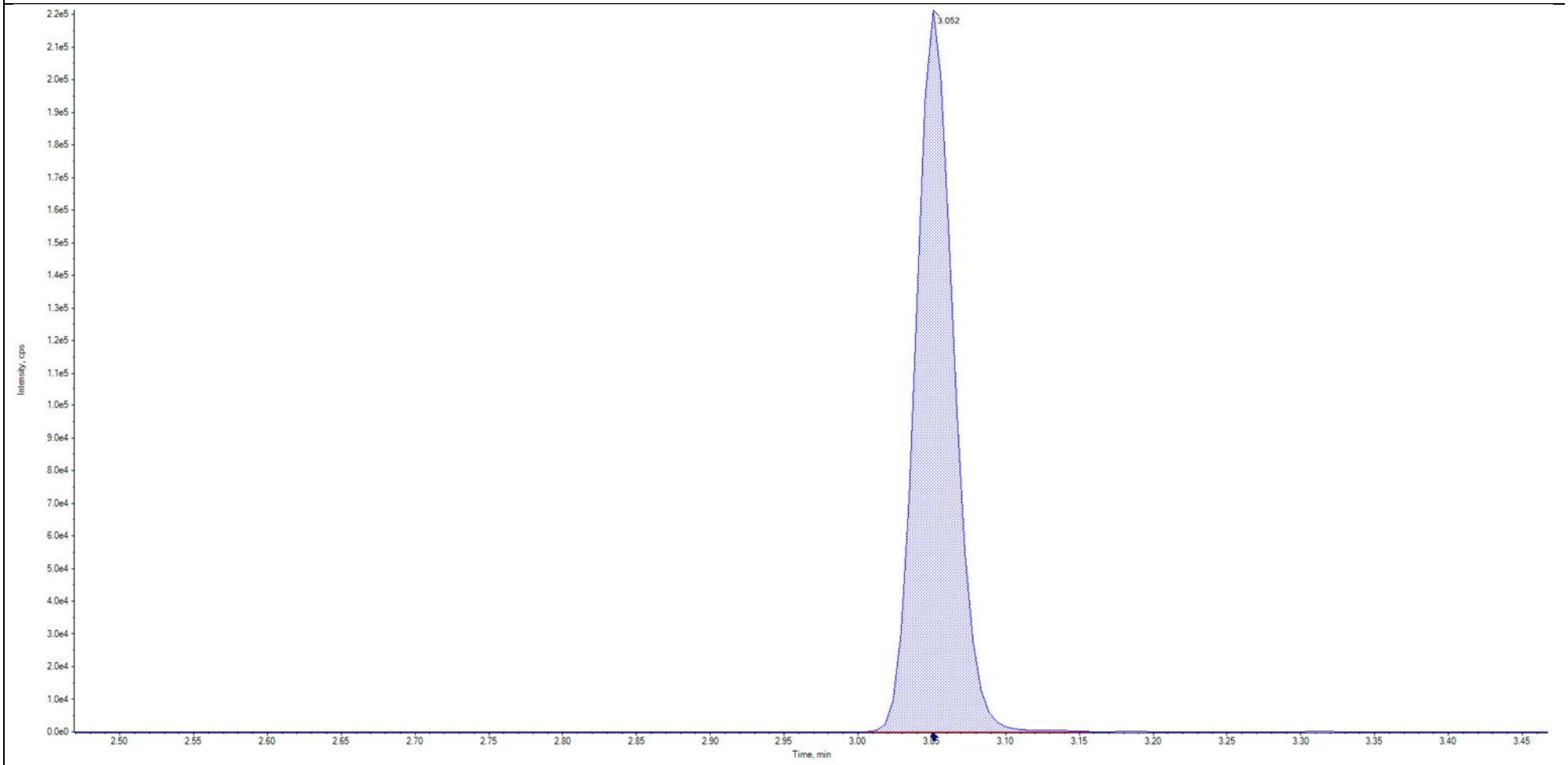
13C3-PFBA
Sample: IA1633STD-2.5



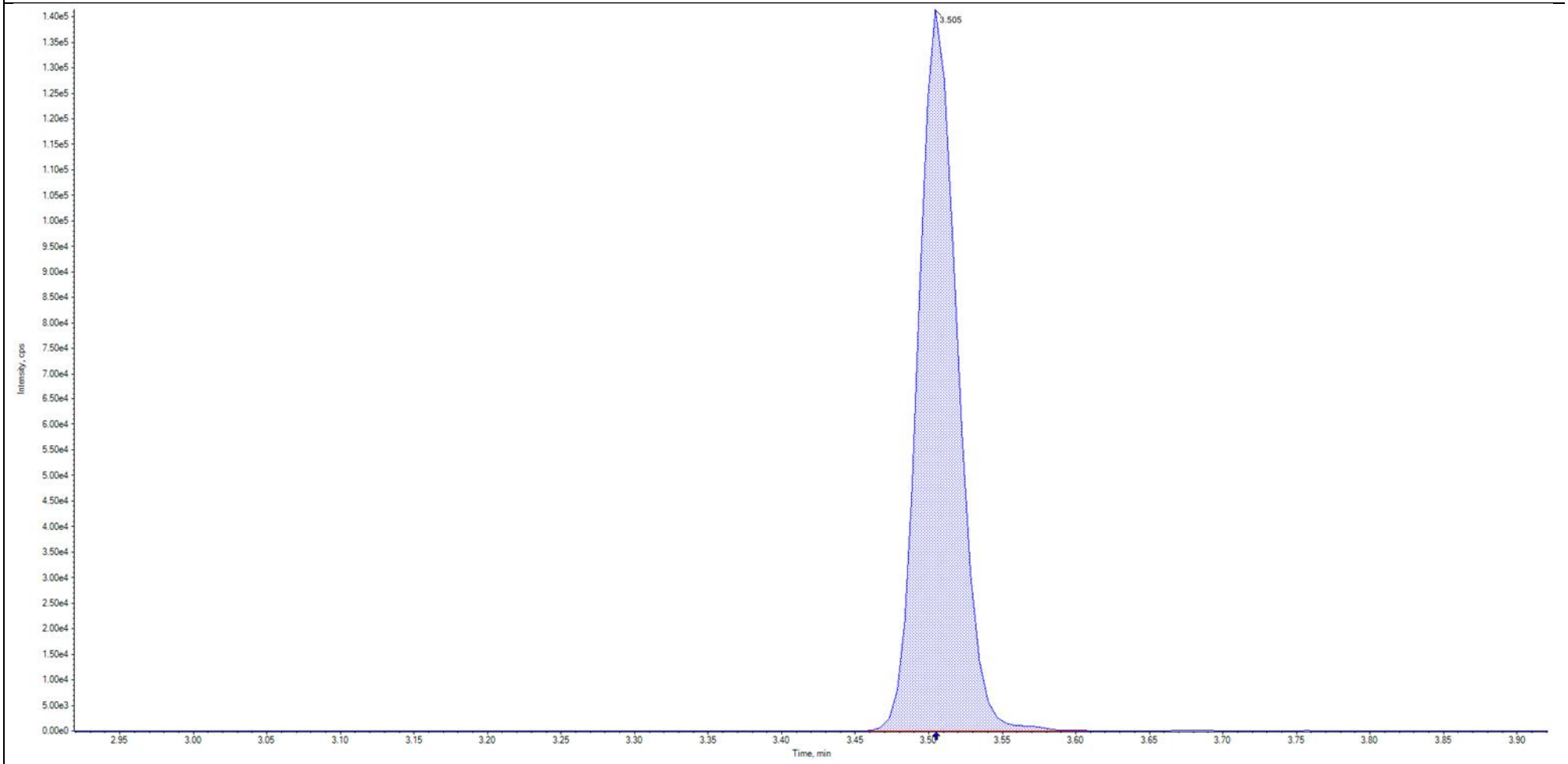
13C2-PFHxA
Sample: IA1633STD-2.5



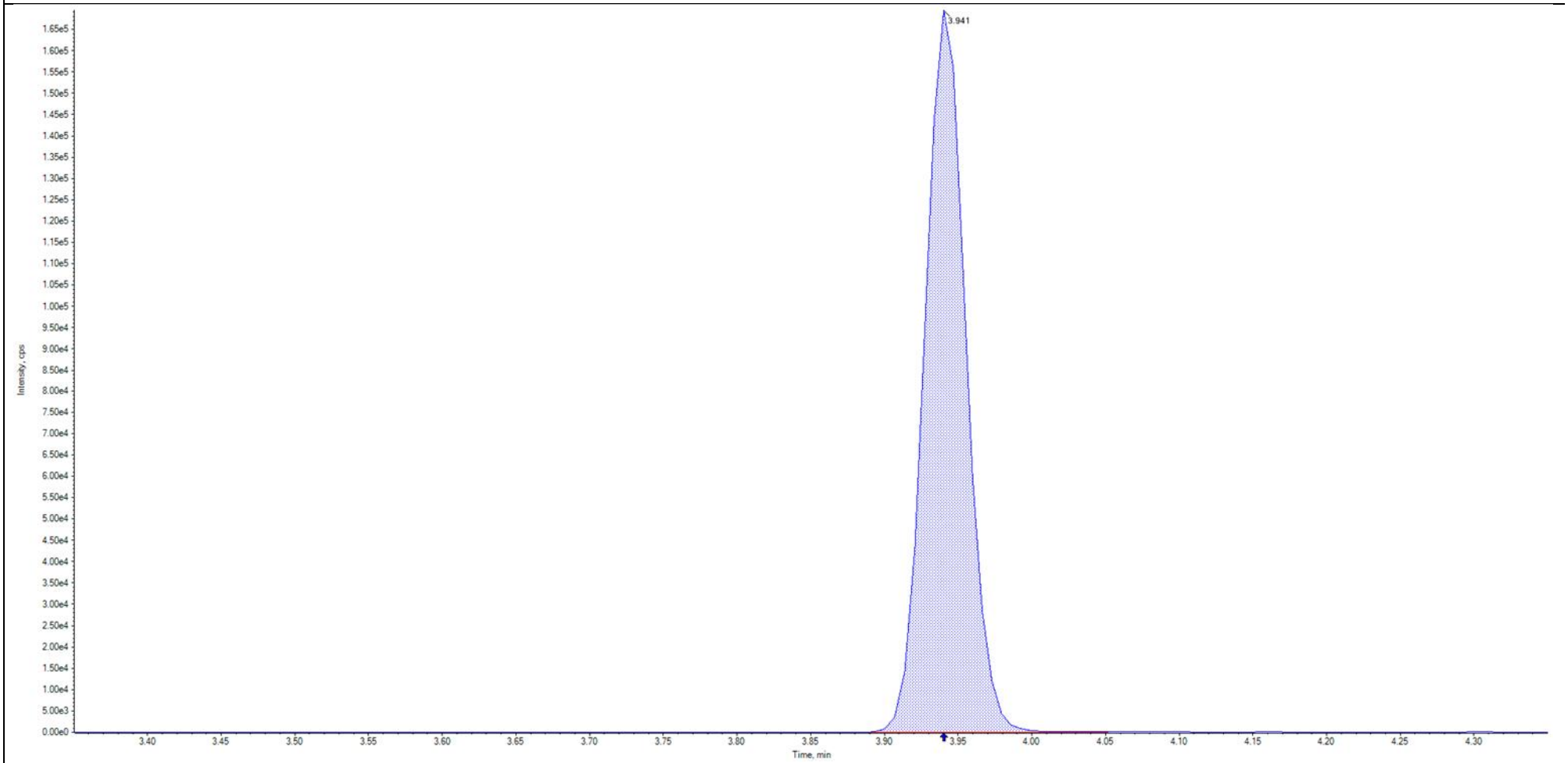
13C4-PFOA
Sample: IA1633STD-2.5



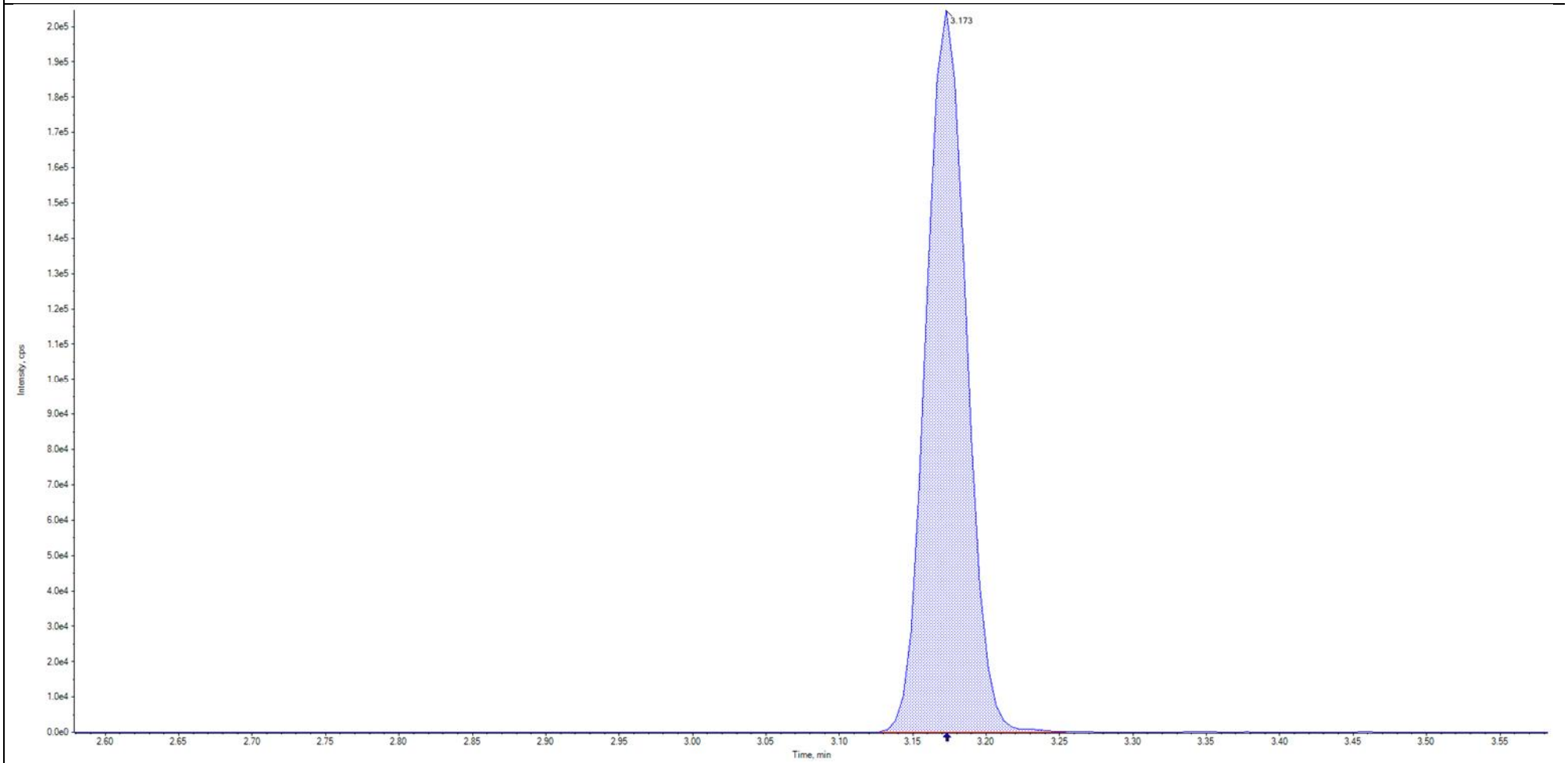
13C5-PFNA
Sample: IA1633STD-2.5



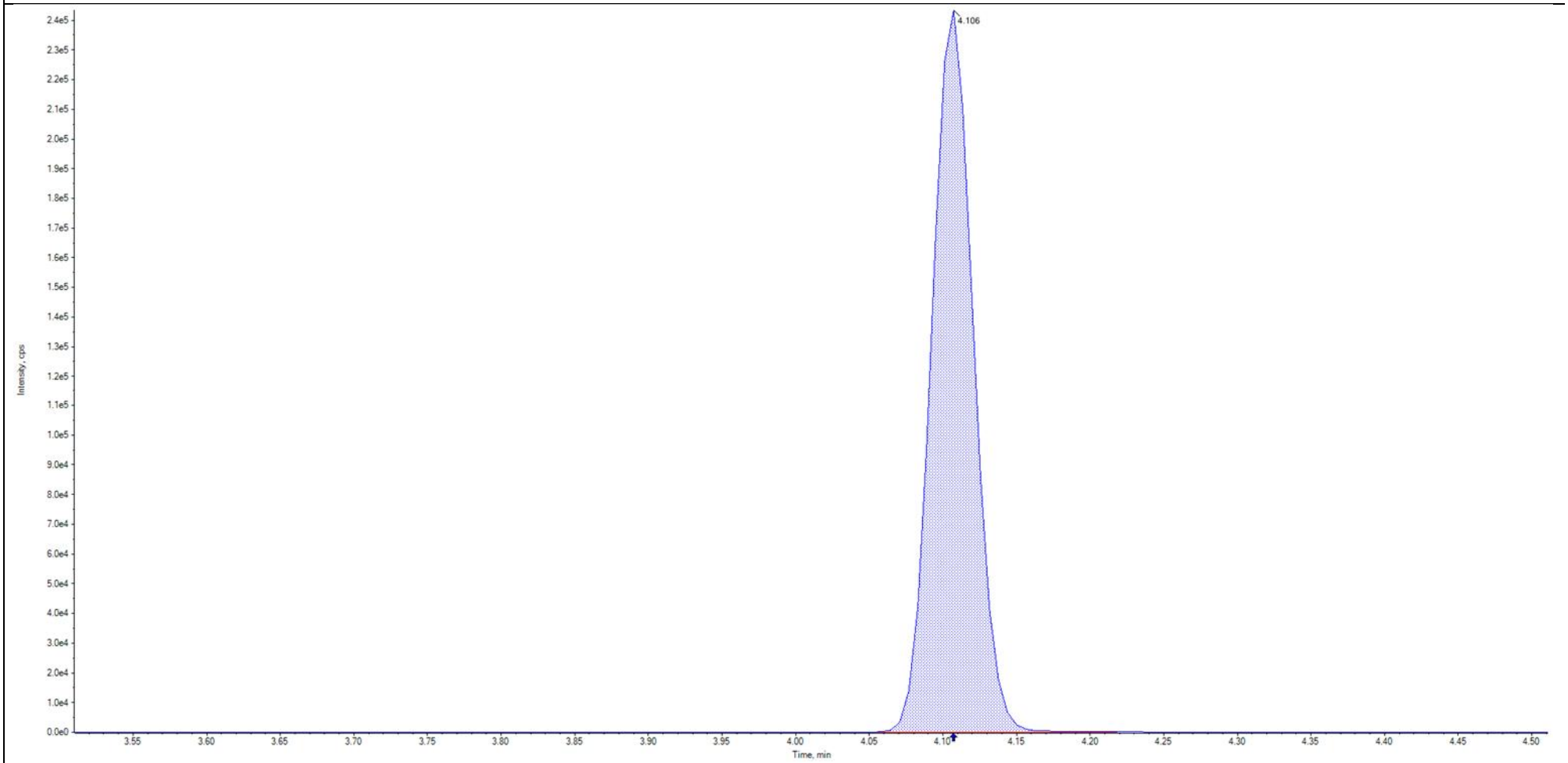
13C2-PFDA
Sample: IA1633STD-2.5



18O2-PFHxS
Sample: IA1633STD-2.5



13C4-PFOS
Sample: IA1633STD-2.5



Alpha Analytical LLC
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Method: EPA1633F.qmethod
Calibration: 241216_EPA1633_ICAL

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User: LCMS08:JW

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.62	213.0 / 169.0	1885790		21.573	N/A	N/A	N/A	107.9
2	PFPeA	2706-90-3	1.23	263.0 / 219.0	897573		10.383	0.008	0.008	Pass	103.8
3	PFPeA_2	2706-90-3	1.23	263.0 / 68.9	6809		9.650	0.008	0.008	Pass	96.5
4	PFHxA	307-24-4	1.99	313.0 / 269.0	647992		5.336	0.084	0.084	Pass	106.7
5	PFHxA_2	307-24-4	1.99	313.0 / 119.0	54445		5.602	0.084	0.084	Pass	112.1
6	PFHpA	375-85-9	2.57	363.1 / 319.0	704186		5.656	0.404	0.404	Pass	113.1
7	PFHpA_2	375-85-9	2.57	363.1 / 169.0	284683		5.410	0.404	0.404	Pass	108.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	3.06	413.1 / 369.1	576641	m5	4.721	0.562	0.562	Pass	94.4
9	PFOA_2	335-67-1	3.06	413.1 / 169.0	323989	m5	5.084	0.562	0.562	Pass	101.7
10	PFNA	375-95-1	3.51	462.8 / 418.9	504195	m5	5.031	0.462	0.464	Pass	100.6
11	PFNA_2	375-95-1	3.51	462.8 / 219.0	233152	m5	5.111	0.462	0.464	Pass	102.2
12	PFDA	335-76-2	3.95	513.1 / 469.1	673583		4.857	0.264	0.264	Pass	97.1
13	PFDA_2	335-76-2	3.95	513.1 / 219.0	177977		5.048	0.264	0.264	Pass	101.0
14	PFUnA	2058-94-8	4.37	563.1 / 519.1	791334		5.386	0.204	0.204	Pass	107.7
15	PFUnA_2	2058-94-8	4.37	563.1 / 269.0	161266		5.295	0.204	0.204	Pass	105.9
16	PFDoA	307-55-1	4.78	613.1 / 569.1	916323		5.562	0.194	0.194	Pass	111.2
17	PFDoA_2	307-55-1	4.78	613.1 / 319.0	177619		5.295	0.194	0.194	Pass	105.9
18	PFTrDA	72629-94-8	5.19	663.1 / 619.1	1038291		5.559	0.193	0.193	Pass	111.2
19	PFTrDA_2	72629-94-8	5.19	663.1 / 169.0	199928		5.749	0.193	0.193	Pass	115.0
20	PFTeDA	376-06-7	5.58	713.1 / 669.1	1116543		5.392	0.163	0.163	Pass	107.8
21	PFTeDA_2	376-06-7	5.58	713.1 / 169.0	182043		5.536	0.163	0.163	Pass	110.7
22	PFBS	375-73-5	2.00	299.1 / 80.1	811079		4.392	0.353	0.353	Pass	98.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	2.00	299.1 / 99.1	286670		4.501	0.353	0.353	Pass	101.4
24	PFPeS	2706-91-4	2.65	349.1 / 80.1	832797		4.809	0.294	0.294	Pass	102.3
25	PFPeS_2	2706-91-4	2.65	349.1 / 99.1	244473		5.093	0.294	0.294	Pass	108.4
26	PFHxS	355-46-4	3.18	399.1 / 80.1	724341	m5	4.554	0.292	0.292	Pass	99.9
27	PFHxS_2	355-46-4	3.18	399.1 / 99.1	211412	m5	4.551	0.292	0.292	Pass	99.8
28	PFHpS	375-92-8	3.66	449.1 / 80.1	768768		4.796	0.274	0.274	Pass	100.8
29	PFHpS_2	375-92-8	3.66	449.1 / 99.1	210760		4.976	0.274	0.274	Pass	104.5
30	PFOS	1763-23-1	4.11	499.1 / 80.1	959996	m5	4.564	0.223	0.223	Pass	98.4
31	PFOS_2	1763-23-1	4.11	499.1 / 99.1	214477	m5	4.851	0.223	0.223	Pass	104.6
32	PFNS	68259-12-1	4.54	549.1 / 80.1	921603		5.038	0.281	0.281	Pass	105.0
33	PFNS_2	68259-12-1	4.54	549.1 / 99.1	259370		5.069	0.281	0.281	Pass	105.6
34	PFDS	335-77-3	4.96	599.1 / 80.1	1008935		5.203	0.267	0.267	Pass	107.9
35	PFDS_2	335-77-3	4.96	599.1 / 99.1	269552		5.221	0.267	0.267	Pass	108.3
36	PFDoS	79780-39-5	5.75	699.2 / 80.1	1025336		4.884	0.225	0.225	Pass	100.9
37	PFDoS_2	79780-39-5	5.74	699.2 / 99.1	230701		4.921	0.225	0.225	Pass	101.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	1.77	327.1 / 307.1	514951		19.159	0.637	0.637	Pass	102.5
39	4:2FTS_2	757124-72-4	1.77	327.1 / 81.1	328189		18.546	0.637	0.637	Pass	99.2
40	6:2FTS	27619-97-2	2.87	427.2 / 407.2	535353		21.210	0.571	0.571	Pass	111.6
41	6:2FTS_2	27619-97-2	2.87	427.2 / 81.1	305683		19.691	0.571	0.571	Pass	103.6
42	8:2FTS	39108-34-4	3.75	527.2 / 507.2	507765		21.664	0.758	0.758	Pass	112.8
43	8:2FTS_2	39108-34-4	3.75	527.2 / 81.1	384659		21.094	0.758	0.758	Pass	109.9
44	PFOSA	754-91-6	5.18	498.1 / 78.1	1195852	m5	5.164	0.023	0.023	Pass	103.3
45	PFOSA_2	754-91-6	5.18	498.1 / 478.0	27432	m5	4.600	0.023	0.023	Pass	92.0
46	NMeFOSA	31506-32-8	5.92	512.2 / 219.0	255298	m5	5.148	1.447	1.447	Pass	103.0
47	NMeFOSA_2	31506-32-8	5.87	512.2 / 169.0	369506	m5	5.127	1.447	1.447	Pass	102.5
48	NEtFOSA	4151-50-2	6.22	526.2 / 219.0	260433	m5	5.106	1.299	1.299	Pass	102.1
49	NEtFOSA_2	4151-50-2	6.19	526.2 / 169.0	338228		5.077	1.299	1.299	Pass	101.5
50	NMeFOSAA	2355-31-9	4.05	570.2 / 419.1	156043	m5	5.124	0.605	0.605	Pass	102.5
51	NMeFOSAA_2	2355-31-9	4.05	570.2 / 483.0	94385		5.077	0.605	0.605	Pass	101.5
52	NEtFOSAA	2991-50-6	4.26	584.2 / 419.1	158724	m5	5.303	0.518	0.518	Pass	106.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.26	584.2 / 526.2	82264	m5	5.514	0.518	0.518	Pass	110.3
54	NMeFOSE	24448-09-7	5.78	616.1 / 58.9	3712386	m5	52.359	N/A	N/A	N/A	104.7
55	NEtFOSE	1691-99-2	6.09	630.0 / 58.9	4805021	m5	53.804	N/A	N/A	N/A	107.6
56	HFPO-DA	13252-13-6	2.21	285.0 / 169.0	2236516		21.246	0.474	0.474	Pass	106.2
57	HFPO-DA_2	13252-13-6	2.21	285.0 / 184.9	1059173		21.223	0.474	0.474	Pass	106.1
58	ADONA	919005-14-4	2.75	376.9 / 251.0	4636302		21.263	0.740	0.740	Pass	112.5
59	ADONA_2	919005-14-4	2.75	376.9 / 84.8	3431403		22.057	0.740	0.740	Pass	116.7
60	9Cl-PF3ONS	756426-58-1	4.41	530.8 / 351.1	6588968		20.275	0.340	0.340	Pass	108.4
61	9Cl-PF3ONS_2	756426-58-1	4.41	532.8 / 353.0	2240551		20.503	0.340	0.340	Pass	109.6
62	11Cl-PF3OUdS	763051-92-9	5.24	630.9 / 451.0	7207898		21.103	0.328	0.328	Pass	111.7
63	11Cl-PF3OUdS_2	763051-92-9	5.24	632.9 / 452.9	2363825		20.810	0.328	0.328	Pass	110.1
64	3:3FTCA	356-02-5	1.56	241.1 / 177.1	182737		23.971	0.996	0.996	Pass	95.9
65	3:3FTCA_2	356-02-5	1.56	241.1 / 117.0	181957		24.550	0.996	0.996	Pass	98.2
66	5:3FTCA	914637-49-3	3.02	341.1 / 237.1	3980680		137.474	1.037	1.037	Pass	110.0
67	5:3FTCA_2	914637-49-3	3.02	341.1 / 217.0	4129355		137.560	1.037	1.037	Pass	110.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	4.04	441.1 / 316.9	4011274		132.674	1.181	1.181	Pass	106.1
69	7:3FTCA_2	812-70-4	4.04	441.1 / 337.1	4738262		137.350	1.181	1.181	Pass	109.9
70	PFEESA	113507-82-7	2.31	315.1 / 135.0	4174629		9.759	0.078	0.078	Pass	109.4
71	PFEESA_2	113507-82-7	2.31	315.1 / 82.9	327534		9.295	0.078	0.078	Pass	104.2
72	PFMPA	377-73-1	0.79	229.0 / 85.0	1038569		10.240	N/A	N/A	N/A	102.4
73	PFMBA	863090-89-5	1.48	279.0 / 85.0	1339119		10.456	N/A	N/A	N/A	104.6
74	NFDHA	151772-58-6	1.91	295.0 / 201.0	559110		10.912	0.765	0.765	Pass	109.1
75	NFDHA_2	151772-58-6	1.91	295.0 / 84.9	427816		10.725	0.765	0.765	Pass	107.3
76	TDCA	516-50-7	2.70	499.1 / 124.1	2369932		9.760	5.845	5.845	Pass	97.6
77	TDCA_2	516-50-7	2.70	499.1 / 79.9	13851449		9.729	5.845	5.845	Pass	97.3
78	13C2D4-4:2FTS	Surr	1.76	333.2 / 312.1	86617		3.659	N/A	N/A	N/A	73.2
79	13C2-PFOA	Surr	3.05	415.0 / 370.0	276438		1.951	N/A	N/A	N/A	78.0

	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	1056900		9.975	NA	NA	NA	99.7

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C5-PFPeA	EIS	1.22	268.0 / 223.0	479450		5.147	NA	NA	NA	102.9
13C5-PFHxA	EIS	1.99	318.0 / 273.0	286727		2.486	NA	NA	NA	99.4
13C4-PFHpA	EIS	2.57	367.0 / 322.0	365929		2.514	NA	NA	NA	100.5
13C8-PFOA	EIS	3.05	420.8 / 376.0	438114		2.732	NA	NA	NA	109.3
13C9-PFNA	EIS	3.51	472.0 / 427.0	208038		1.243	NA	NA	NA	99.4
13C6-PFDA	EIS	3.94	519.0 / 474.0	268554		1.353	NA	NA	NA	108.2
13C7-PFUnA	EIS	4.37	570.0 / 525.0	284194		1.347	NA	NA	NA	107.8

	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	230570		1.329	NA	NA	NA	106.3
	13C2-PFTeDA	EIS	5.57	715.1 / 670.1	264552		1.298	NA	NA	NA	103.8
	13C3-PFBS	EIS	2.00	302.1 / 80.1	456531		2.439	NA	NA	NA	104.7
	13C3-PFHxS	EIS	3.17	402.1 / 80.1	388812		2.449	NA	NA	NA	103.3
	13C8-PFOS	EIS	4.11	507.1 / 80.1	492979		2.434	NA	NA	NA	101.4
	13C2-4:2FTS	EIS	1.76	329.1 / 81.1	79760		4.517	NA	NA	NA	96.3
	13C2-6:2FTS	EIS	2.86	429.2 / 81.1	76517		4.546	NA	NA	NA	95.5
	13C2-8:2FTS	EIS	3.75	529.2 / 81.1	103303		4.354	NA	NA	NA	90.7

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C8-PFOSA	EIS	5.18	506.1 / 78.1	728068		2.503	NA	NA	NA	100.1
d3-NMeFOSA	EIS	5.91	515.2 / 219.0	111381		2.443	NA	NA	NA	97.7
d5-NEtFOSA	EIS	6.21	531.2 / 219.0	112126		2.485	NA	NA	NA	99.4
d3-NMeFOSAA	EIS	4.04	573.2 / 419.1	173236		4.754	NA	NA	NA	95.1
d5-NEtFOSAA	EIS	4.25	589.3 / 419.1	146155		4.784	NA	NA	NA	95.7
d7-NMeFOSE	EIS	5.76	623.2 / 58.9	808509		24.709	NA	NA	NA	98.8
d9-NEtFOSE	EIS	6.06	639.2 / 58.9	981955		24.260	NA	NA	NA	97.0

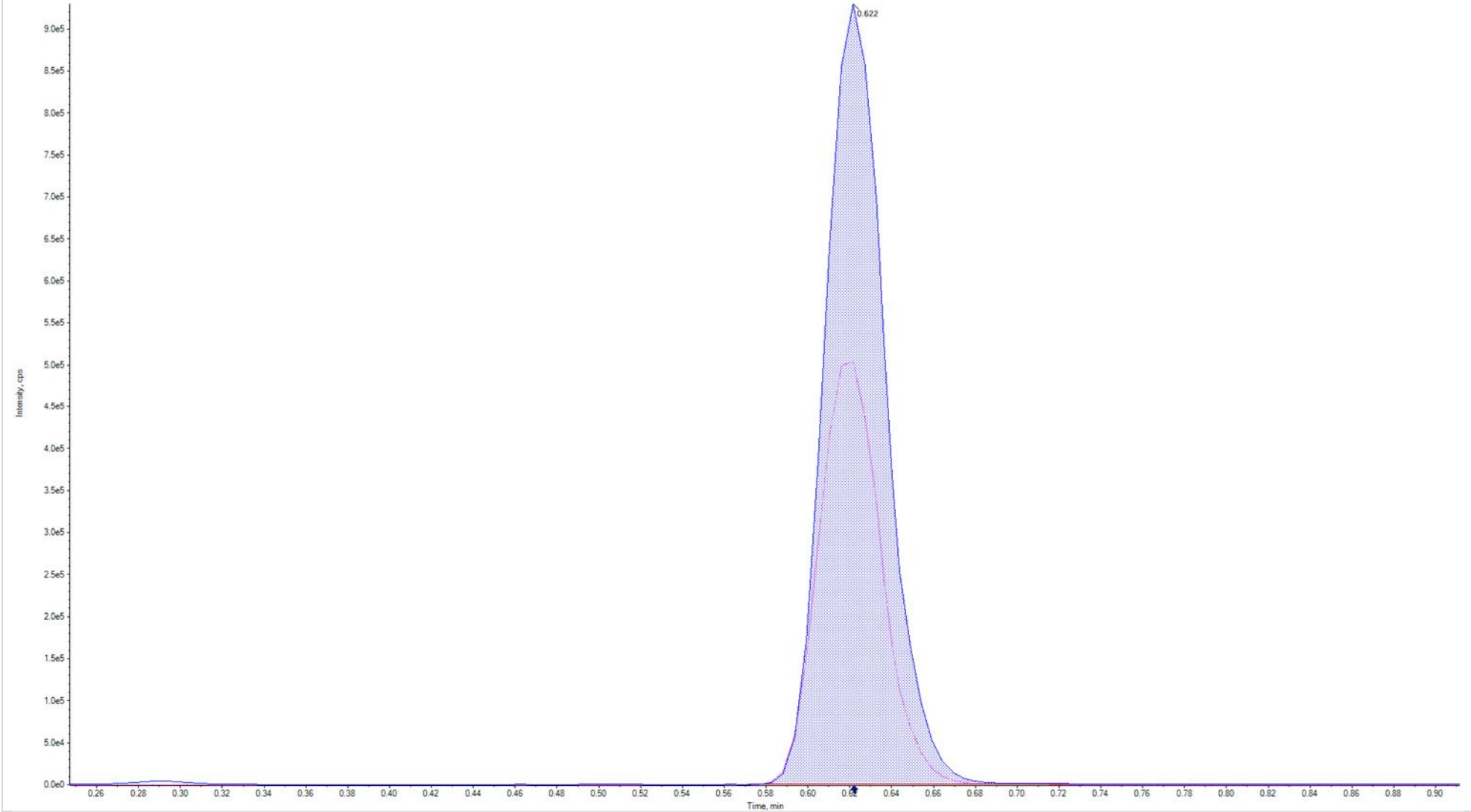
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	13C3-HFPO-DA	EIS	2.20	287.0 / 169.0	1106880		10.456	NA	NA	NA	104.6
	13C3-PFBA	NIS	0.62	216.0 / 172.0	465135		4.713	NA	NA	NA	94.3
	13C2-PFHxA	NIS	1.99	315.0 / 270.0	308440		2.255	NA	NA	NA	90.2
	13C4-PFOA	NIS	3.05	417.0 / 372.0	311068		2.131	NA	NA	NA	85.2
	13C5-PFNA	NIS	3.51	468.0 / 423.0	210735		1.135	NA	NA	NA	90.8
	13C2-PFDA	NIS	3.94	515.1 / 470.1	238400		1.047	NA	NA	NA	83.8
	18O2-PFHxS	NIS	3.17	403.1 / 84.1	326949		2.138	NA	NA	NA	90.2
	13C4-PFOS	NIS	4.11	503.1 / 80.1	372191		2.188	NA	NA	NA	91.2

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

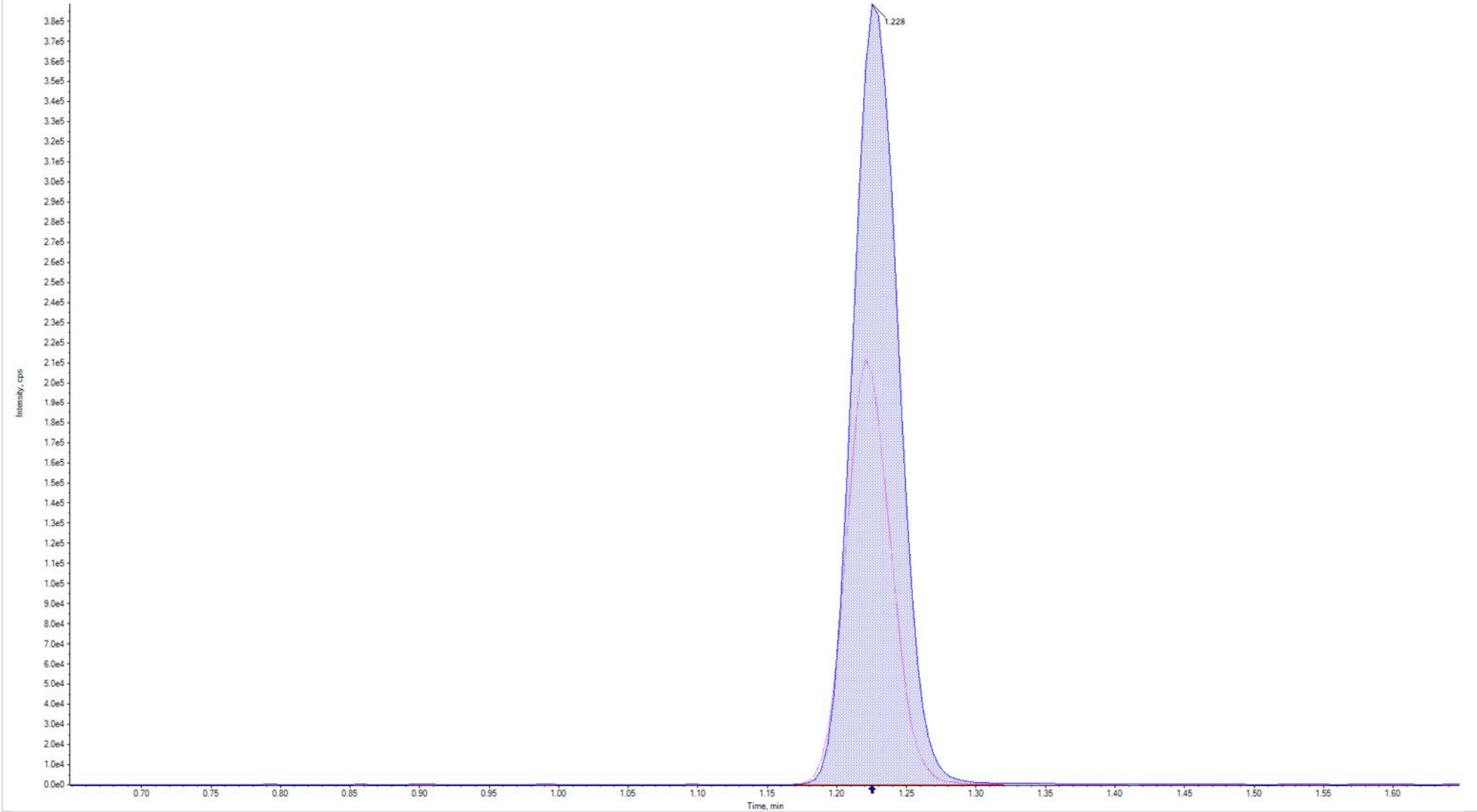
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PFBA
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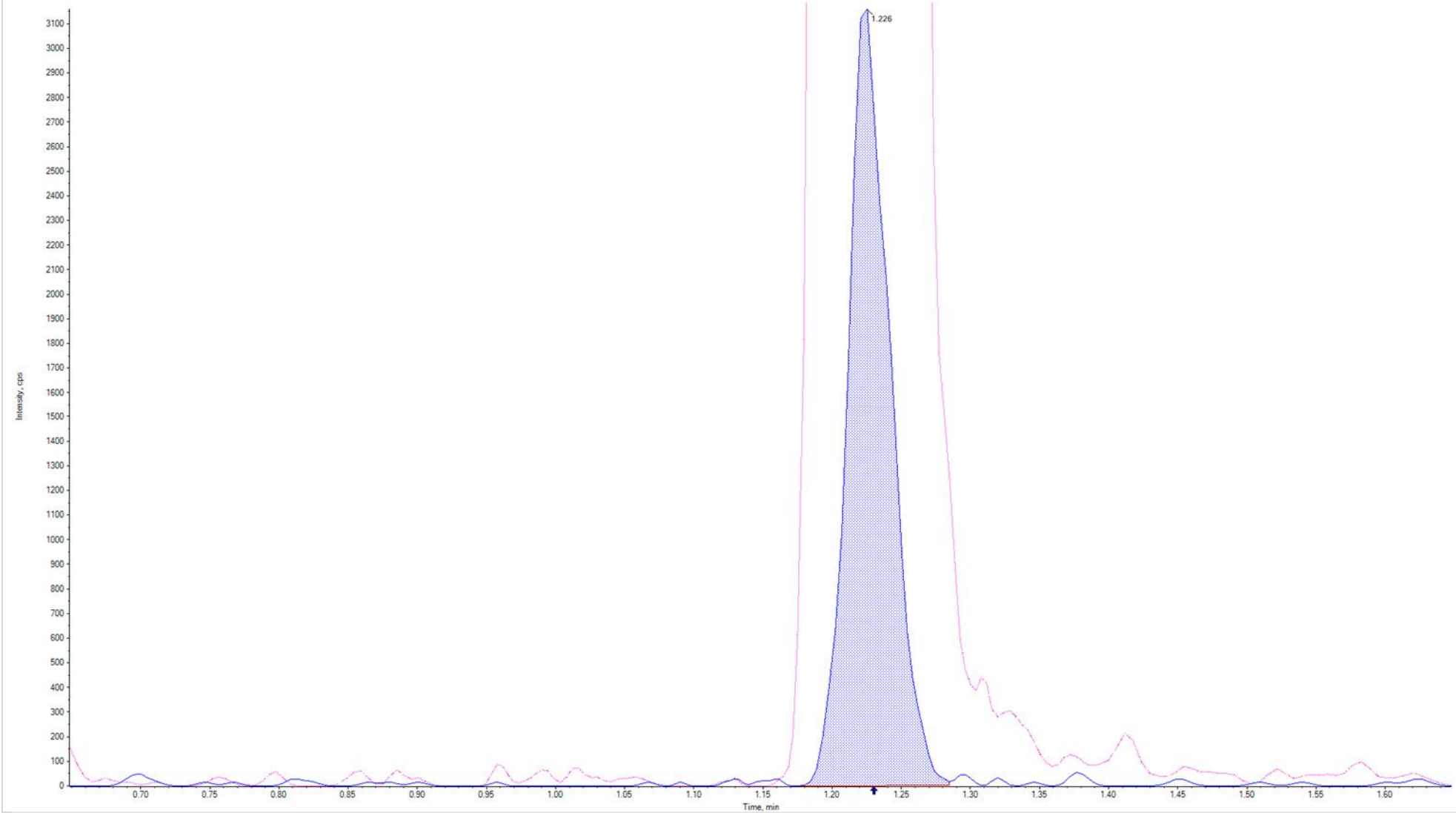
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PFPeA
Sample: IA1633STD-5 S/N:6650.5 Points Across peak:40



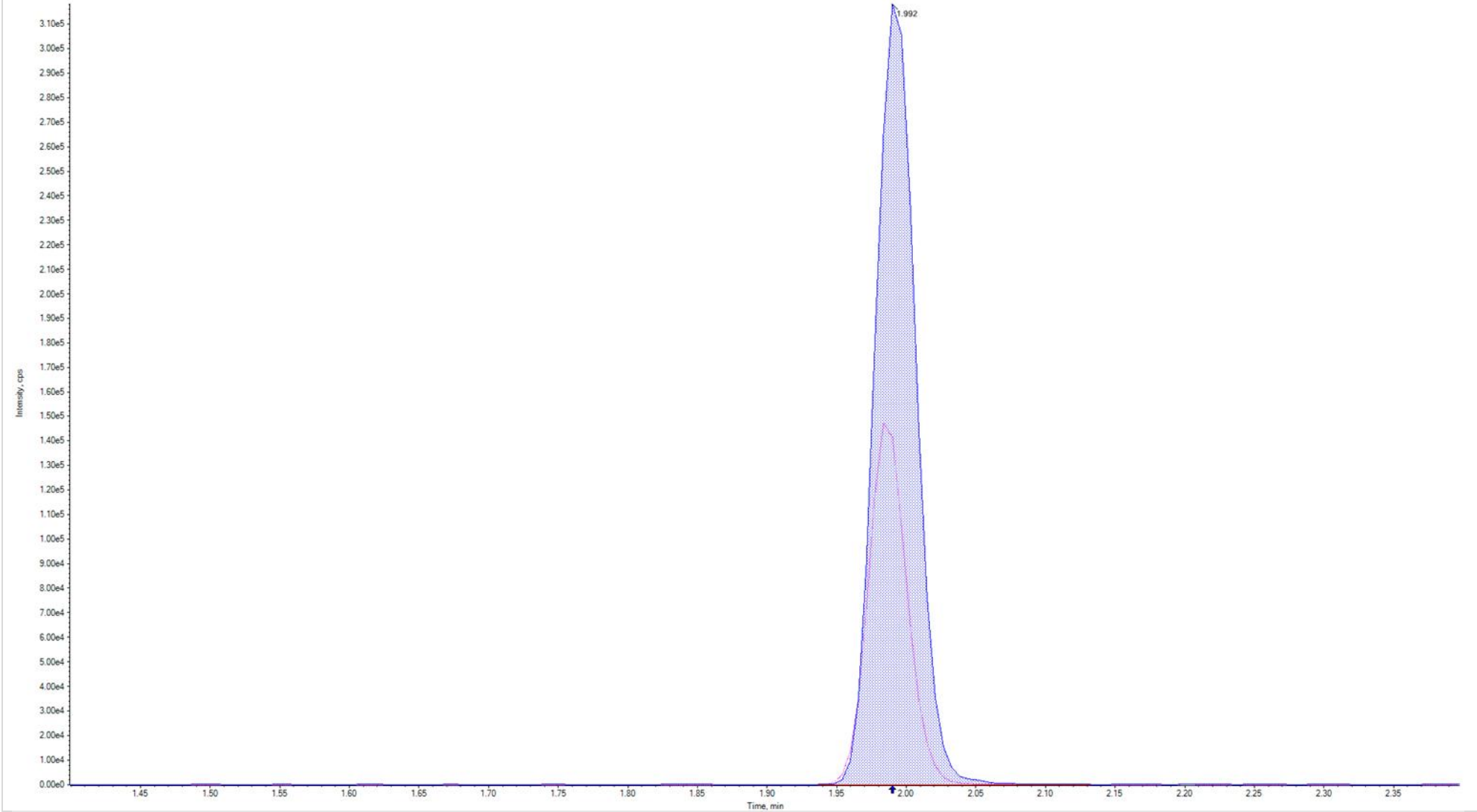
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PFPeA_2
Sample: IA1633STD-5 S/N:190.0 Points Across peak:27



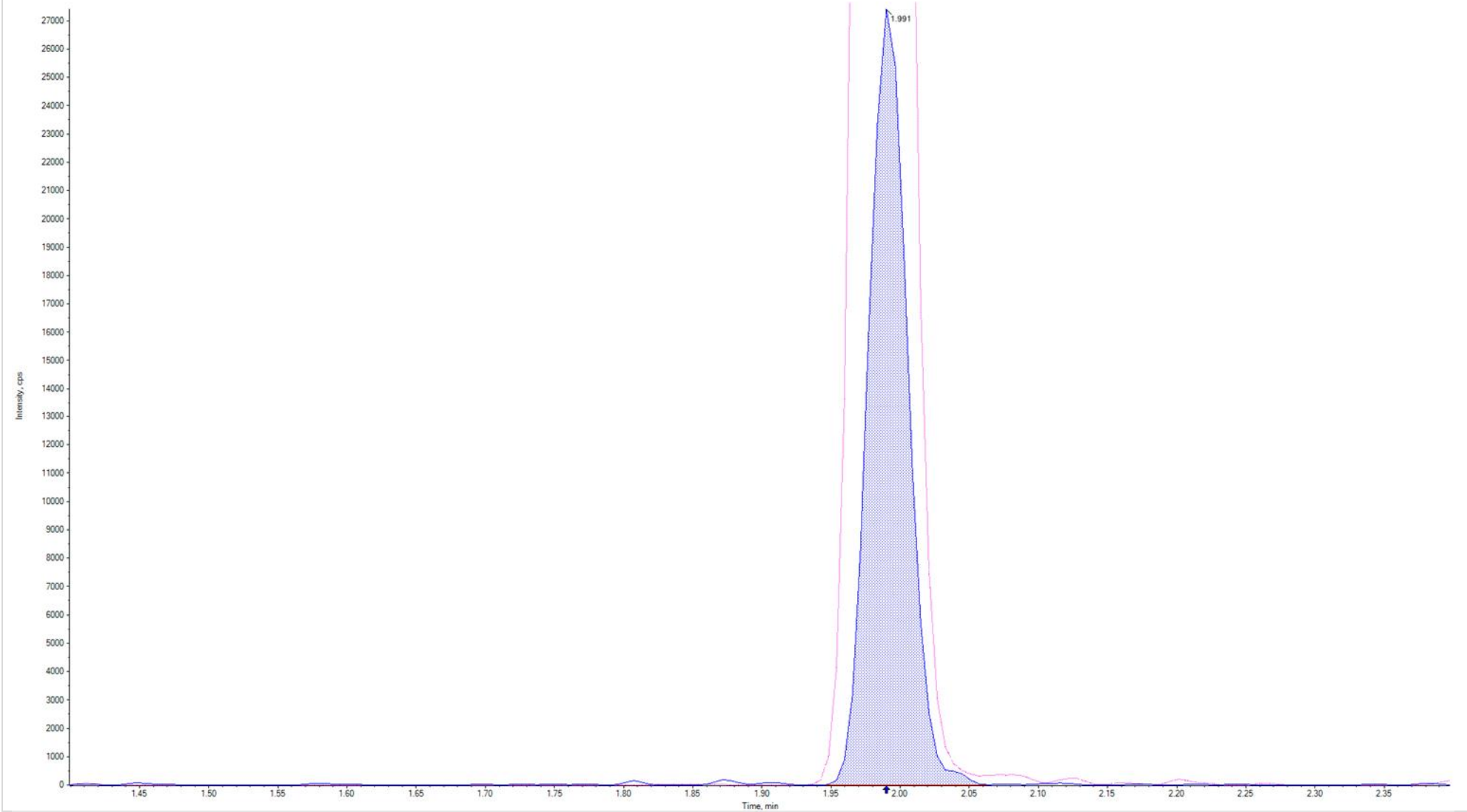
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PFHxA
Sample: IA1633STD-5 S/N:7973.6 Points Across peak:39



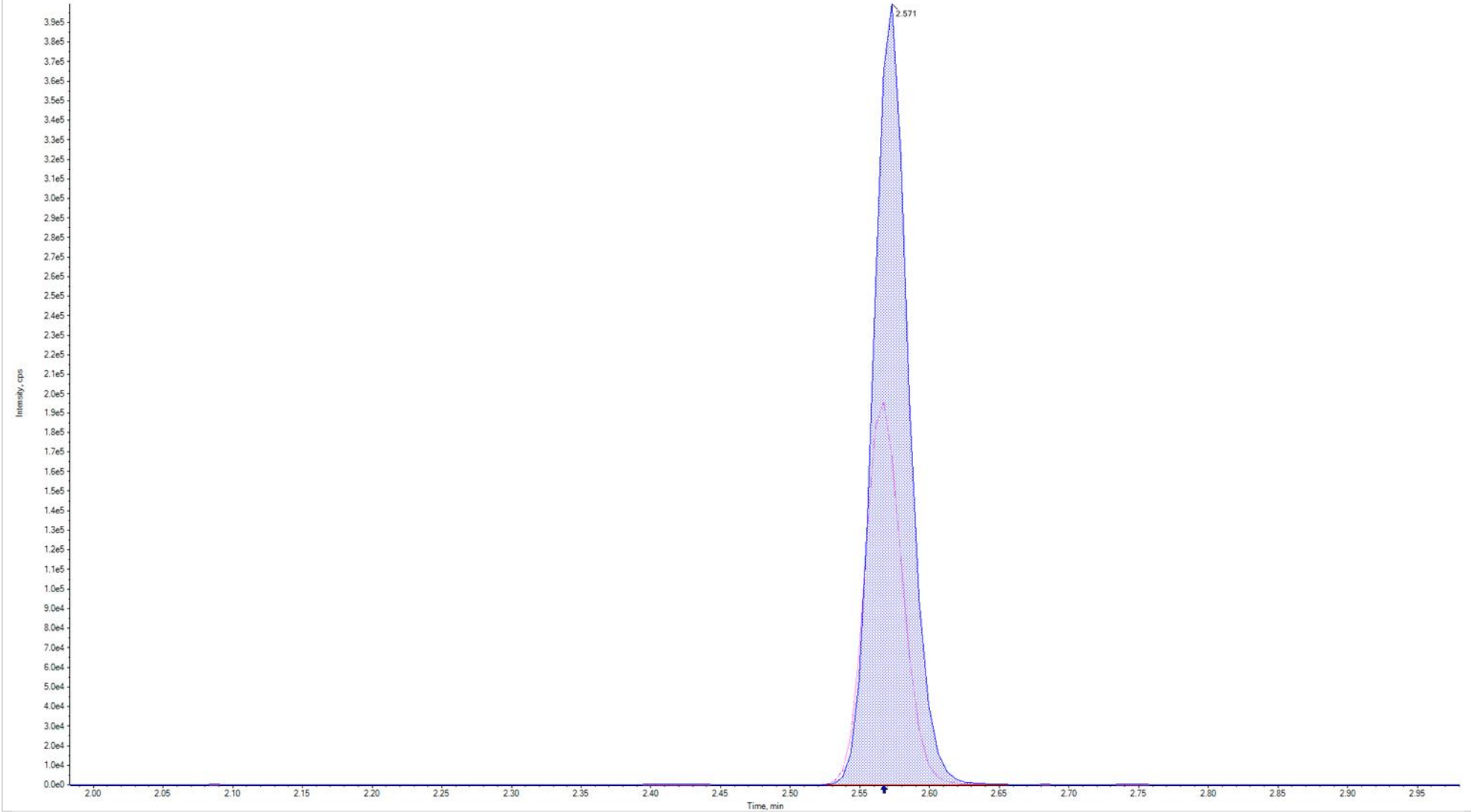
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PFHxA_2
Sample: IA1633STD-5 S/N:686.9 Points Across peak:22



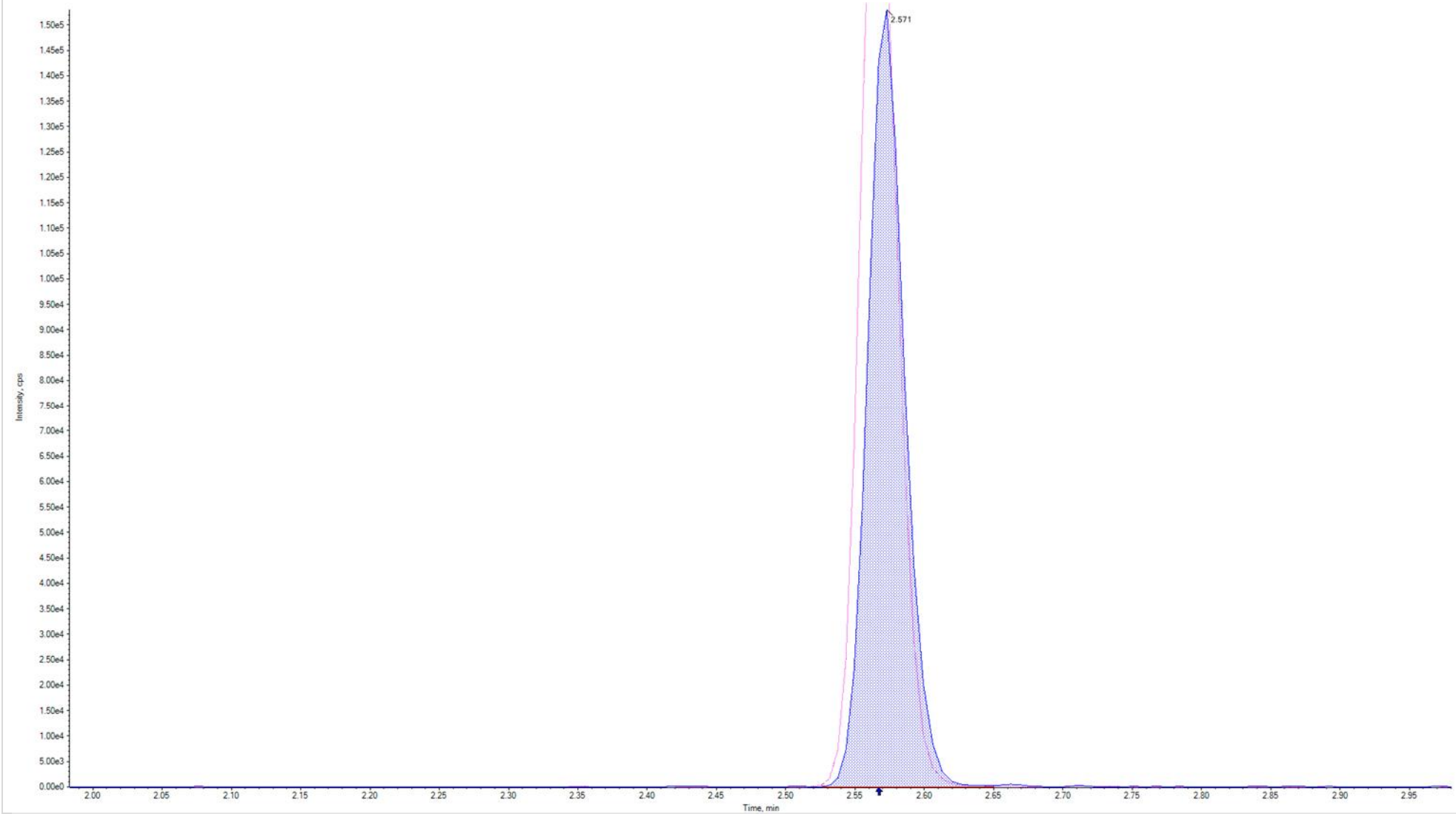
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_15.wiff2_5
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFHpA
Sample: IA1633STD-5 S/N:8010.0 Points Across peak:26



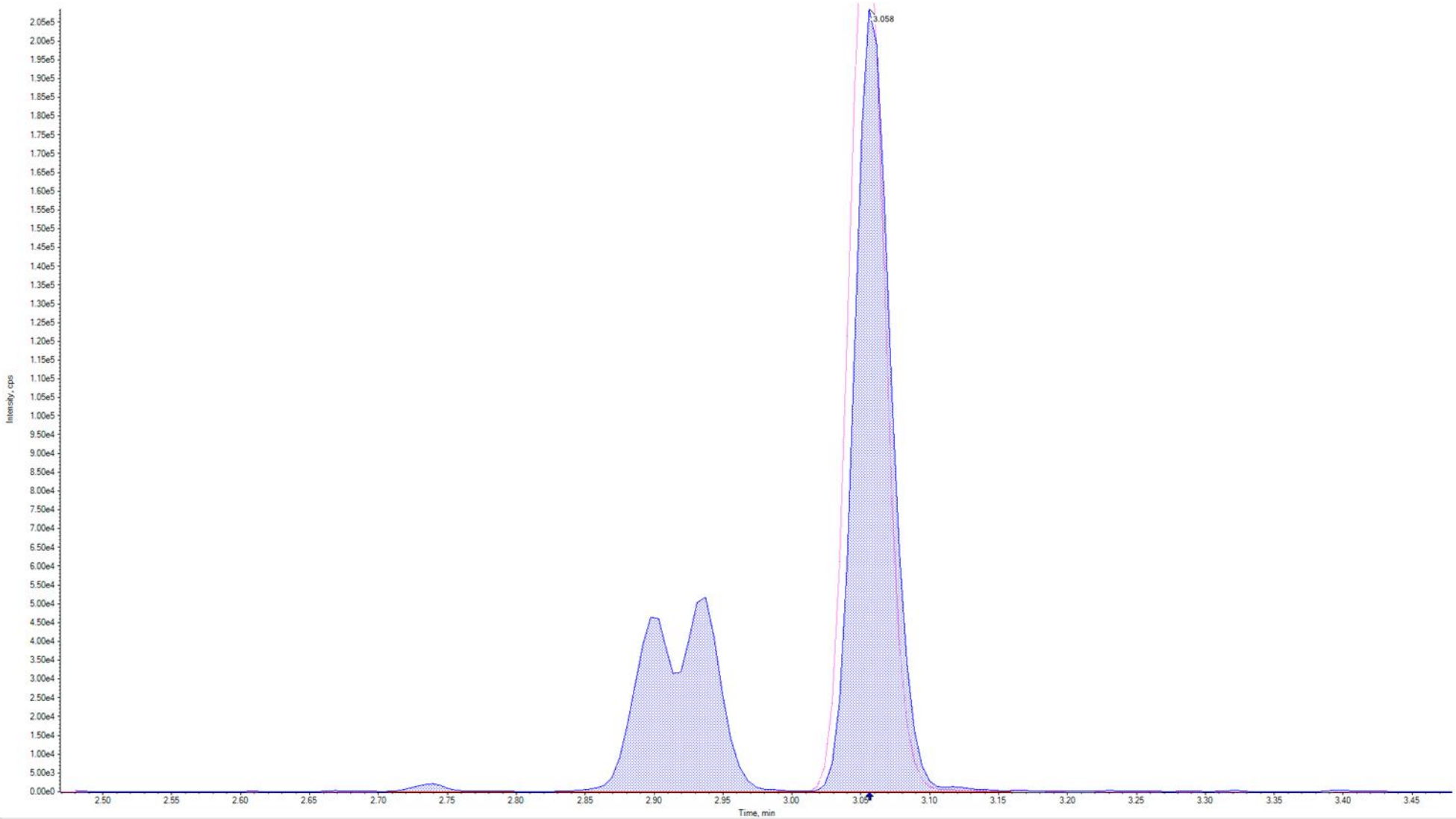
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFHpA_2
Sample: IA1633STD-5 S/N:3067.5 Points Across peak:22



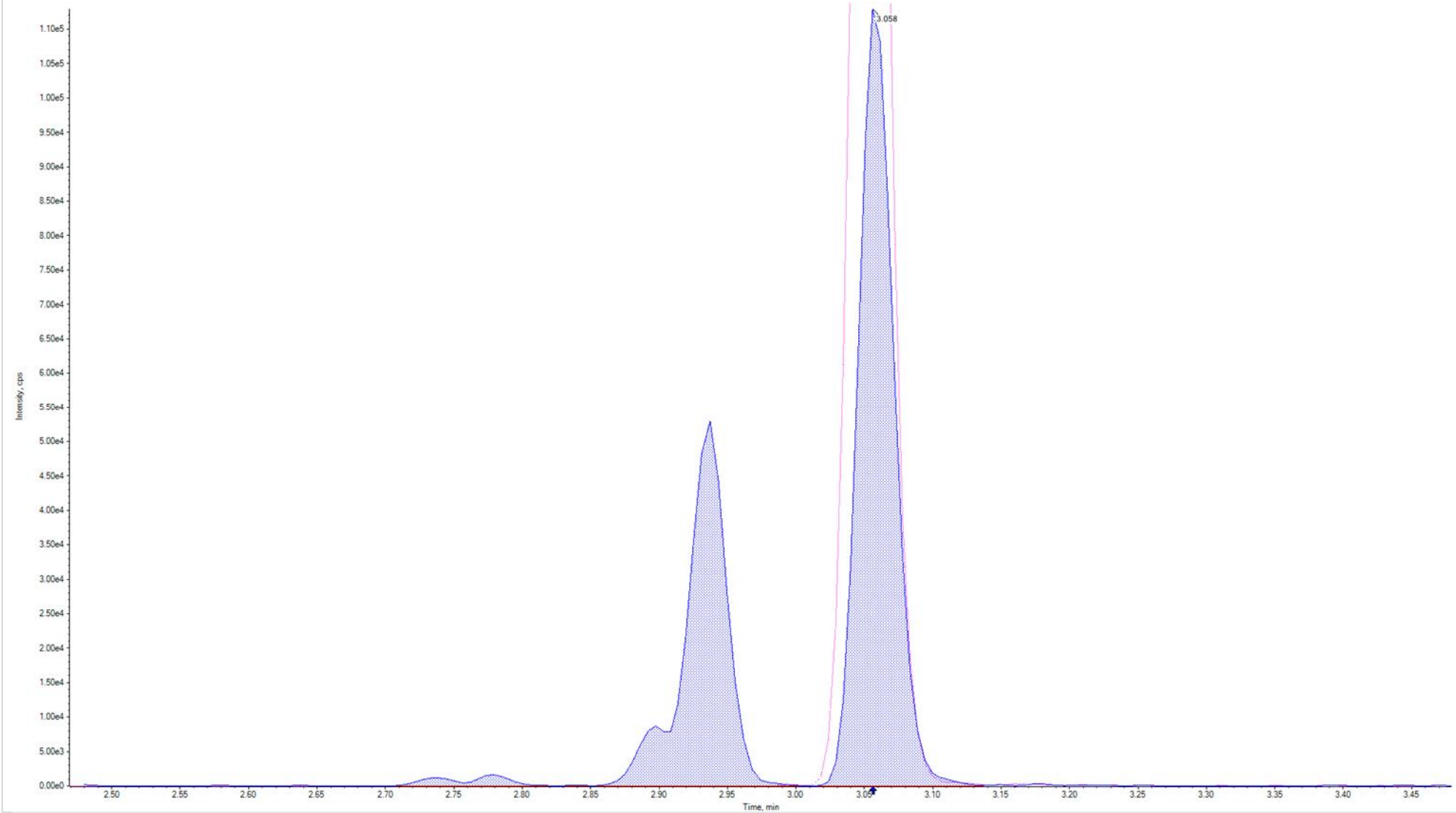
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

PFOA
Sample: IA1633STD-5 S/N:635.9 Points Across peak:83



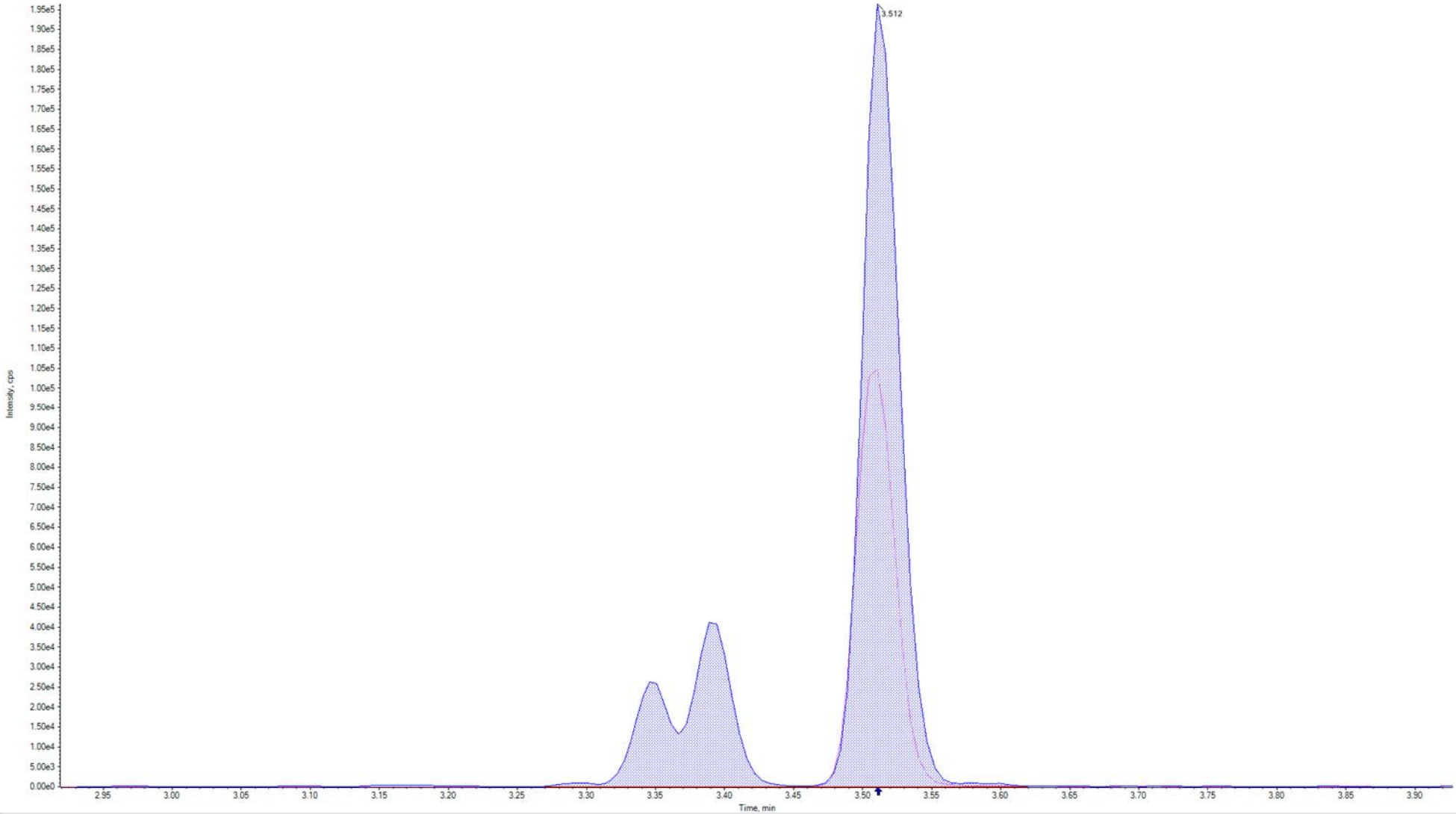
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PFOA_2
Sample: IA1633STD-5 S/N:475.2 Points Across peak:79



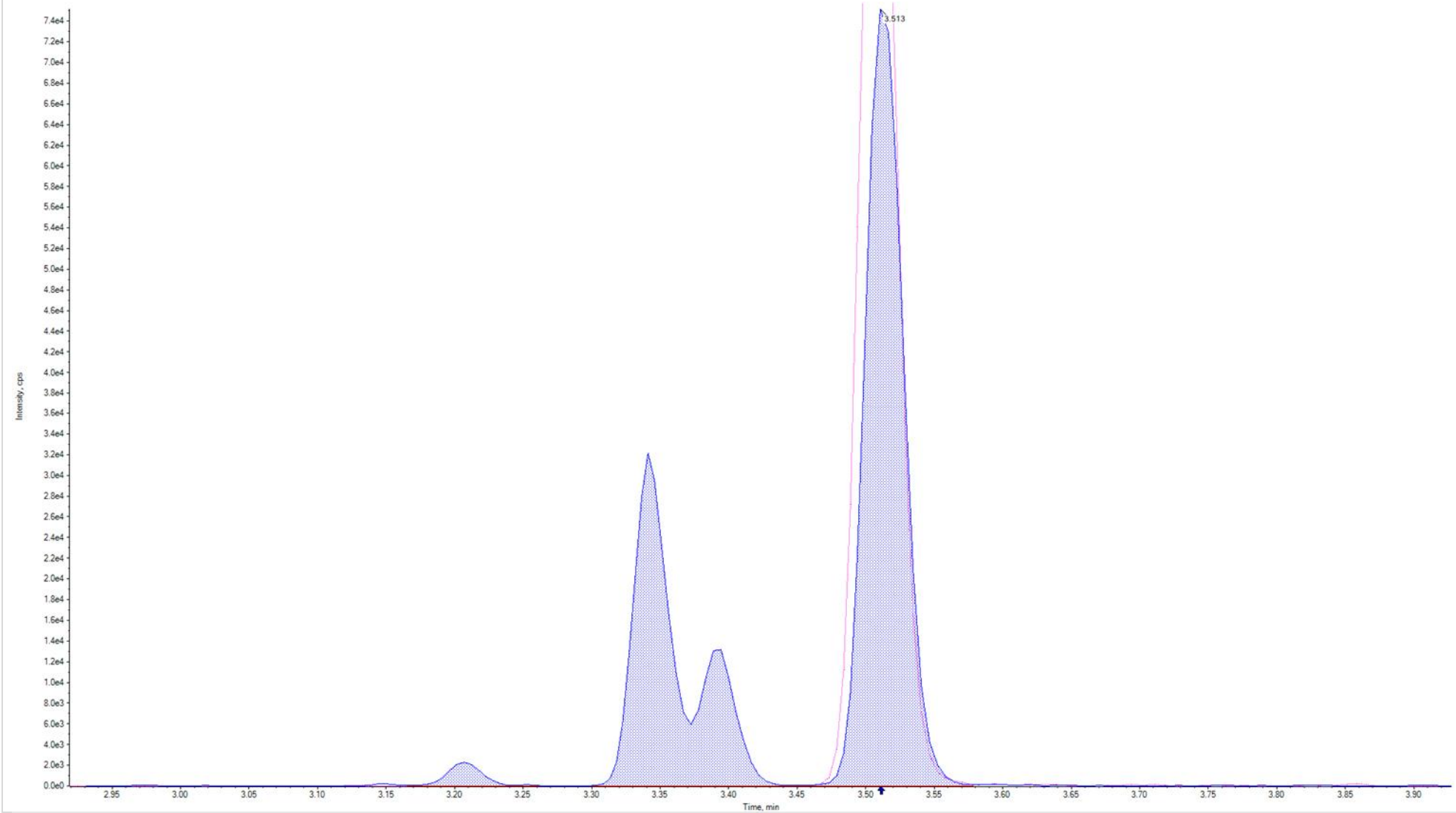
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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PFNA
Sample: IA1633STD-5 S/N:578.0 Points Across peak:69



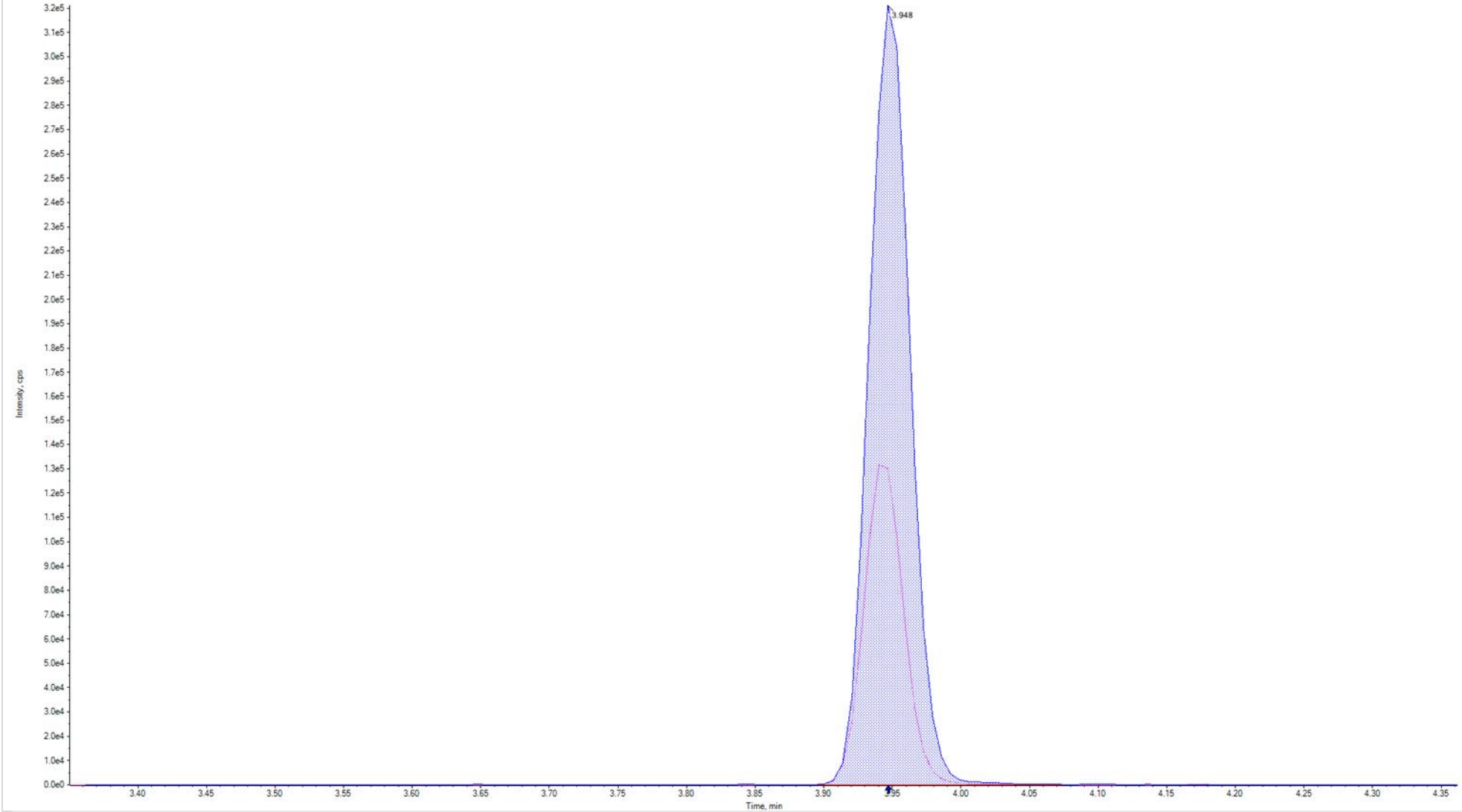
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Alpha Analytical LLC
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PFNA_2
Sample: IA1633STD-5 S/N:471.7 Points Across peak:79



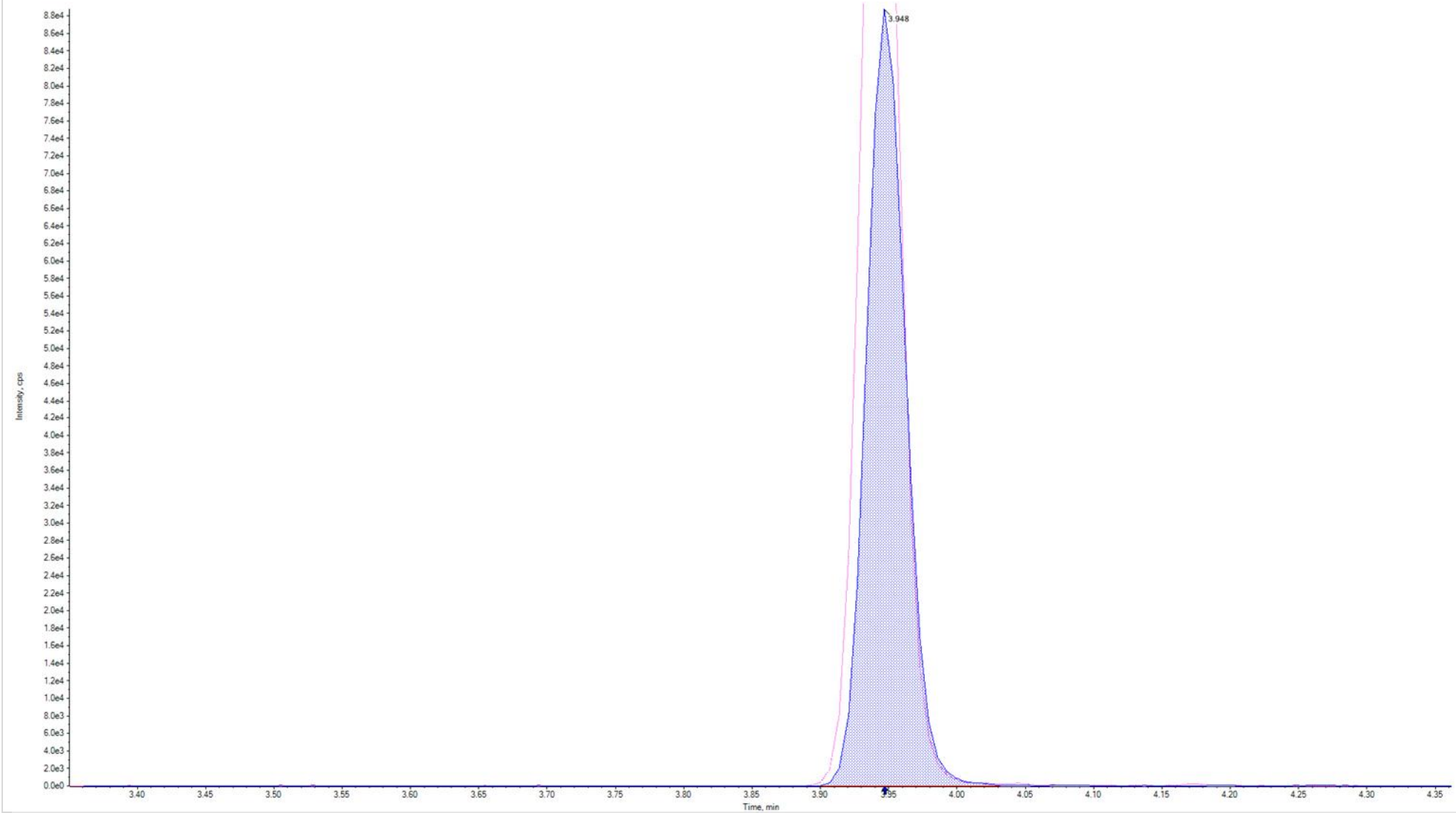
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PFDA
Sample: IA1633STD-5 S/N:6439.6 Points Across peak:29



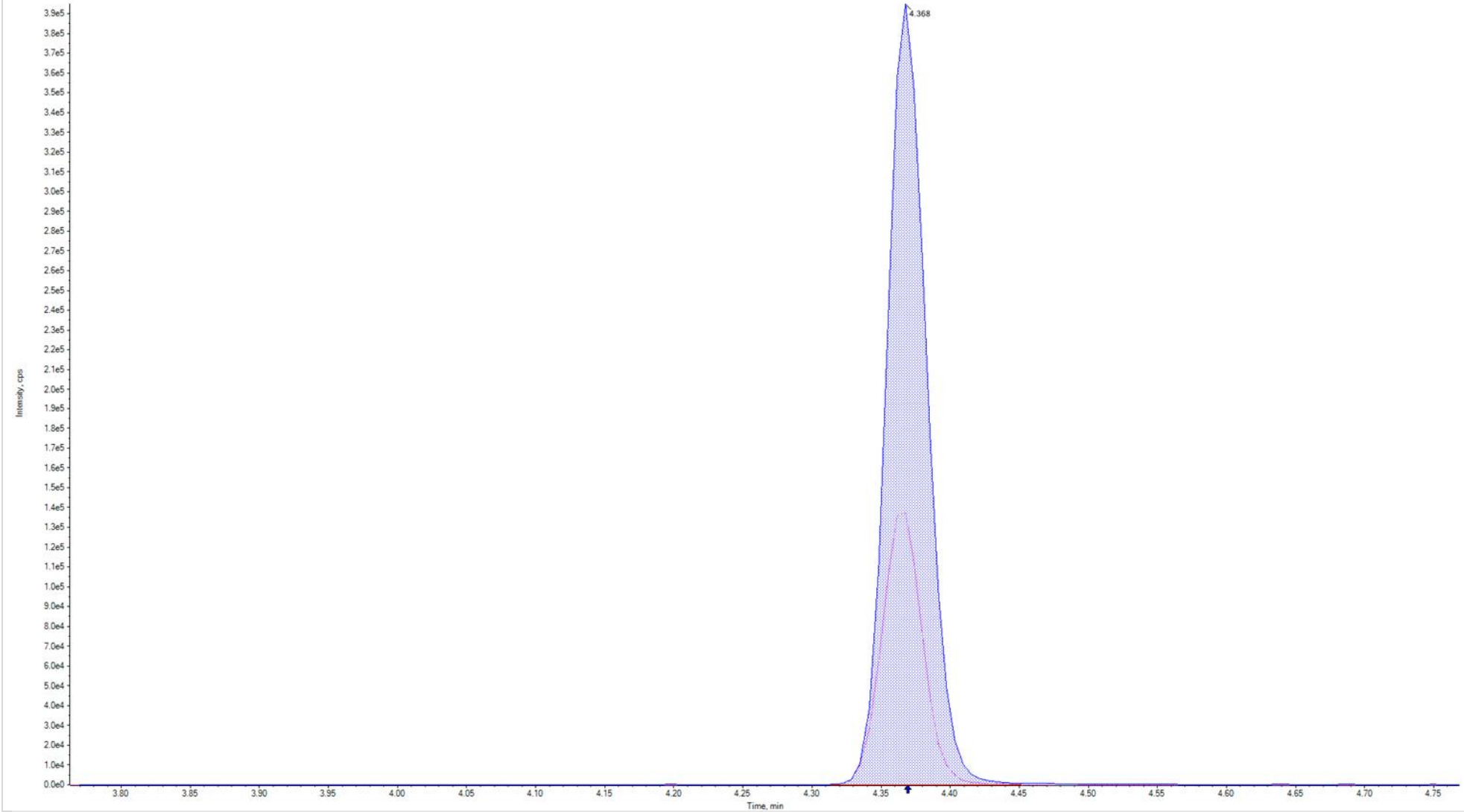
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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PFDA_2
Sample: IA1633STD-5 S/N:1780.1 Points Across peak:27



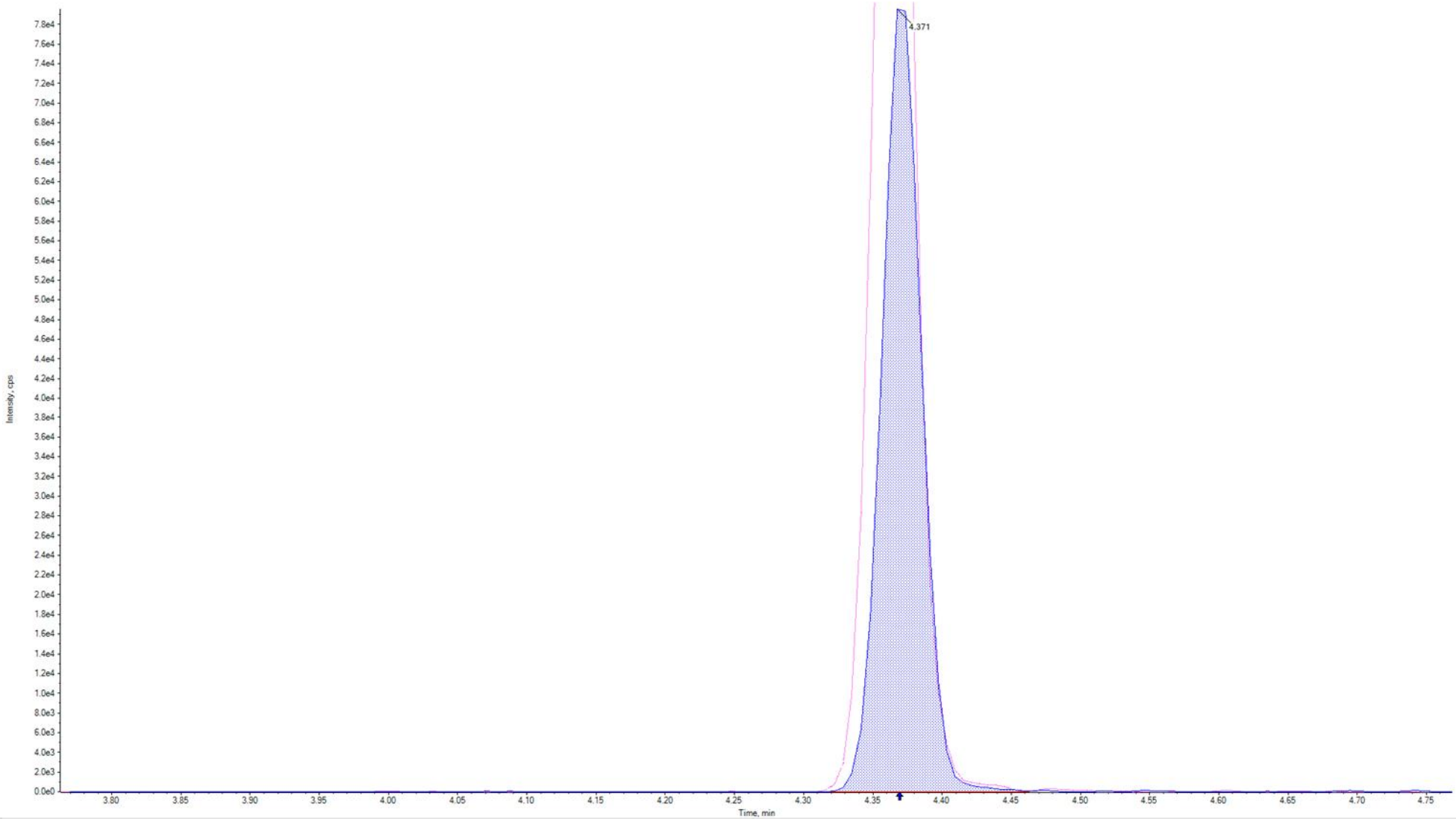
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFUnA
Sample: IA1633STD-5 S/N:8907.6 Points Across peak:25



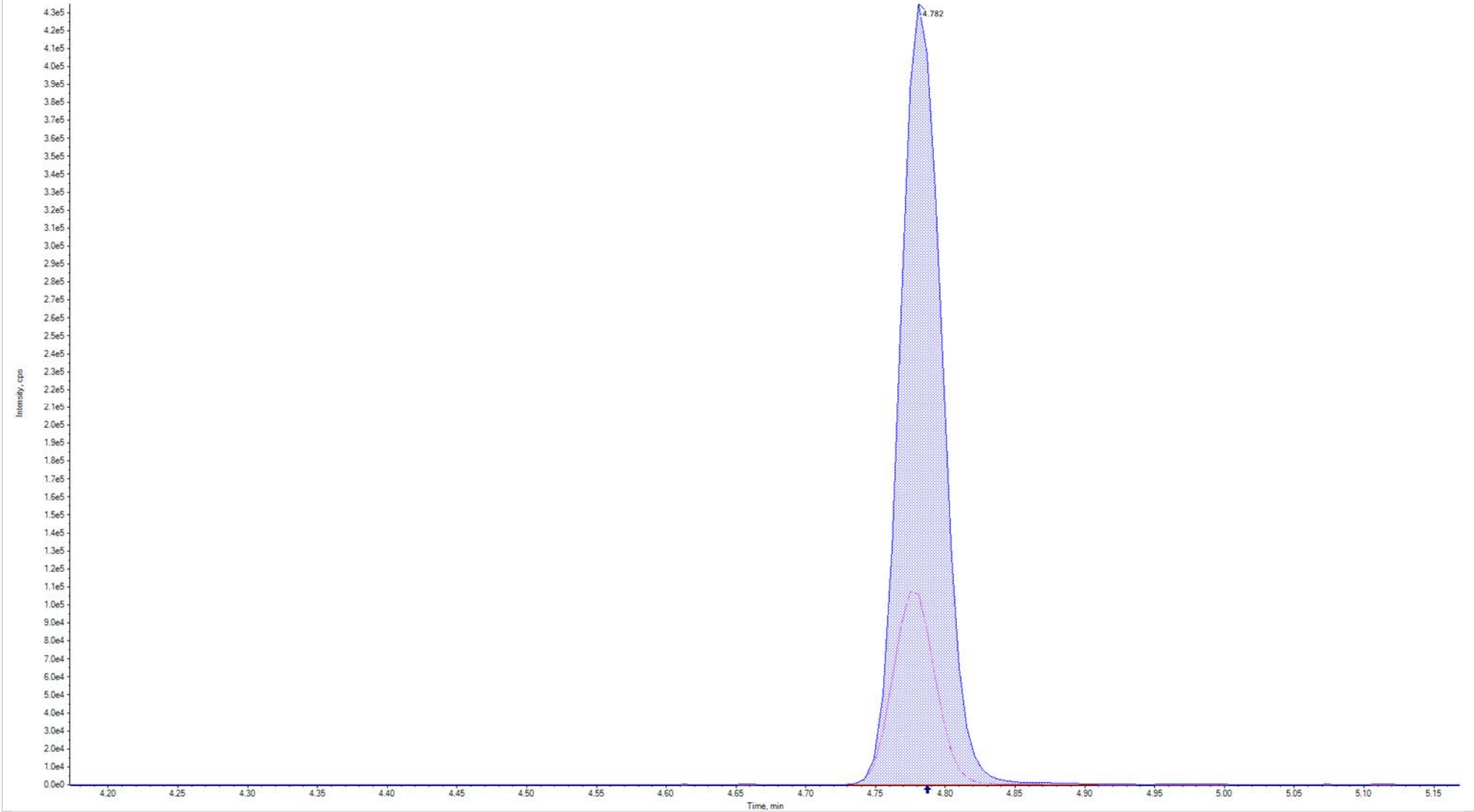
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFUnA_2
Sample: IA1633STD-5 S/N:1794.3 Points Across peak:31



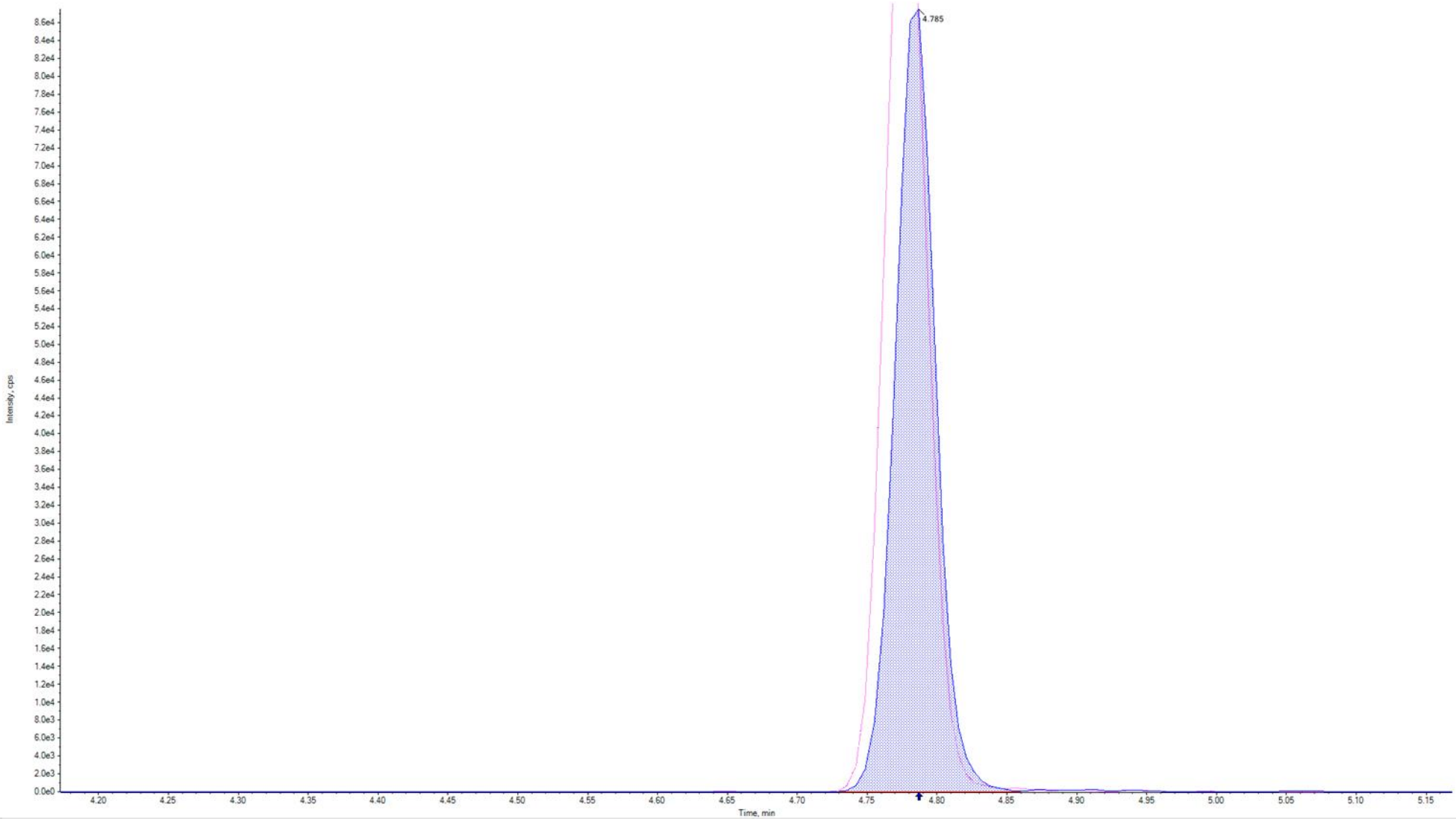
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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PFDoA
Sample: IA1633STD-5 S/N:11987.6 Points Across peak:35



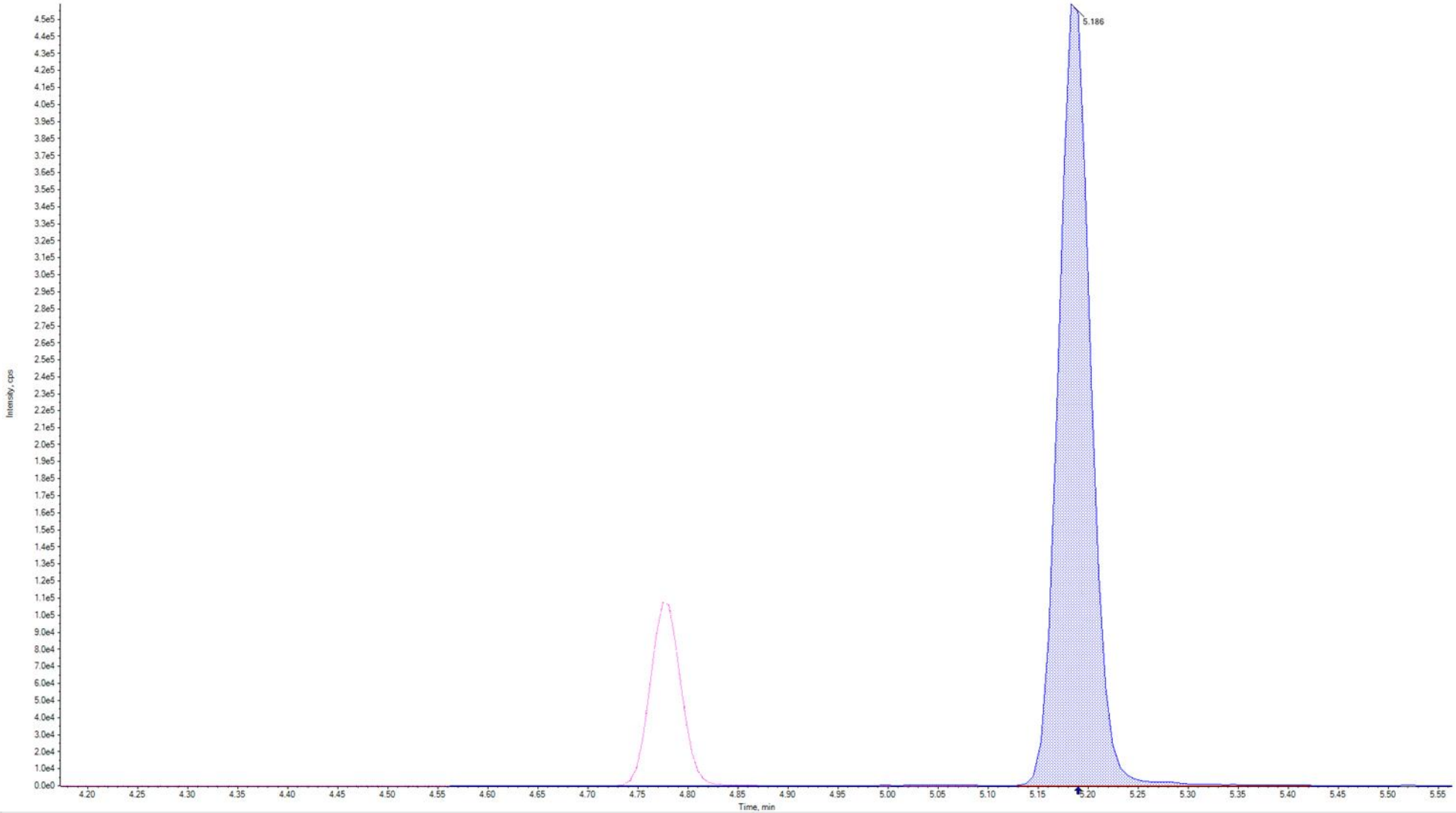
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Alpha Analytical LLC
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PFDoA_2
Sample: IA1633STD-5 S/N:1043.2 Points Across peak:27



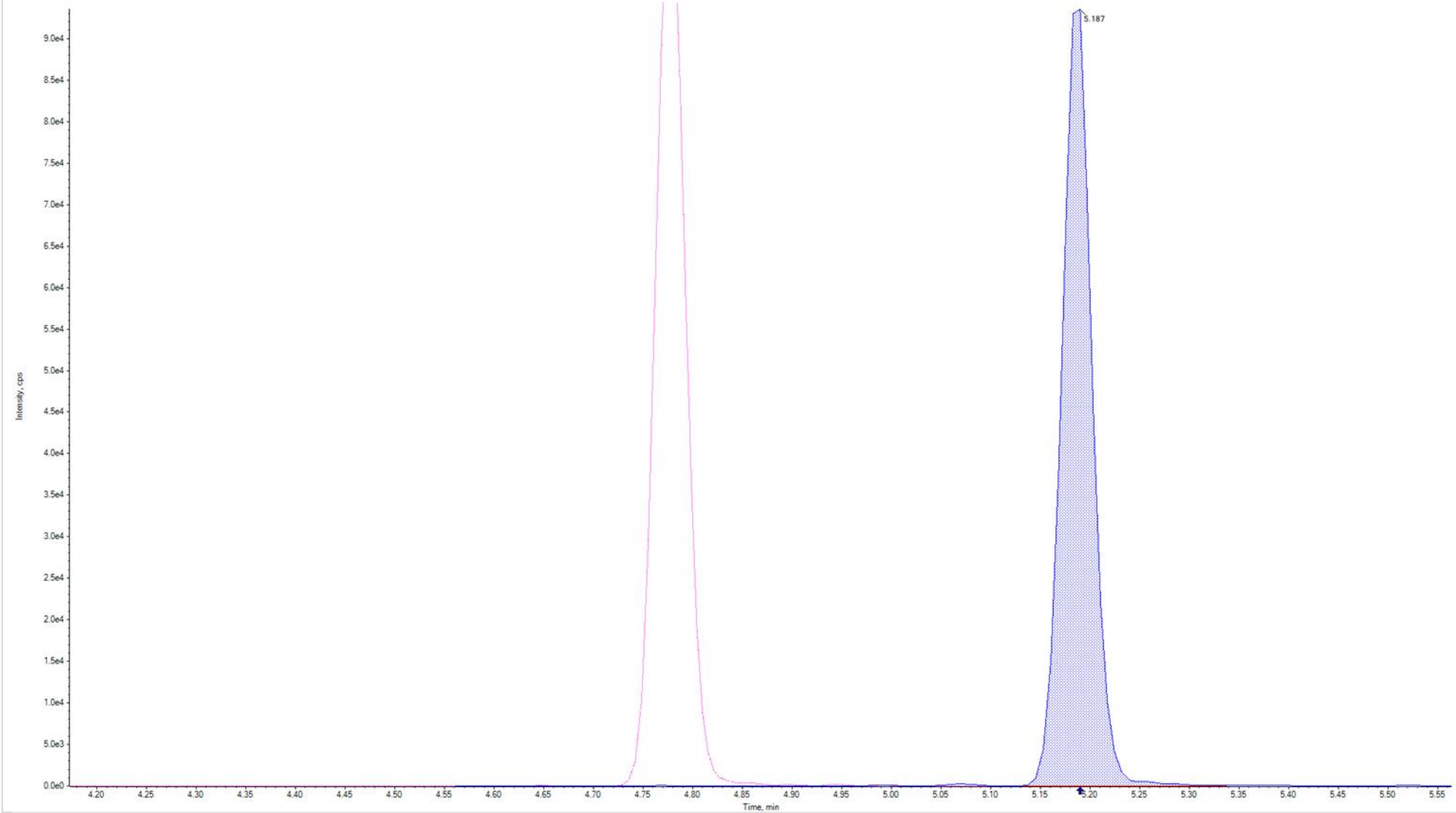
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PFTrDA
Sample: IA1633STD-5 S/N:18407.0 Points Across peak:45



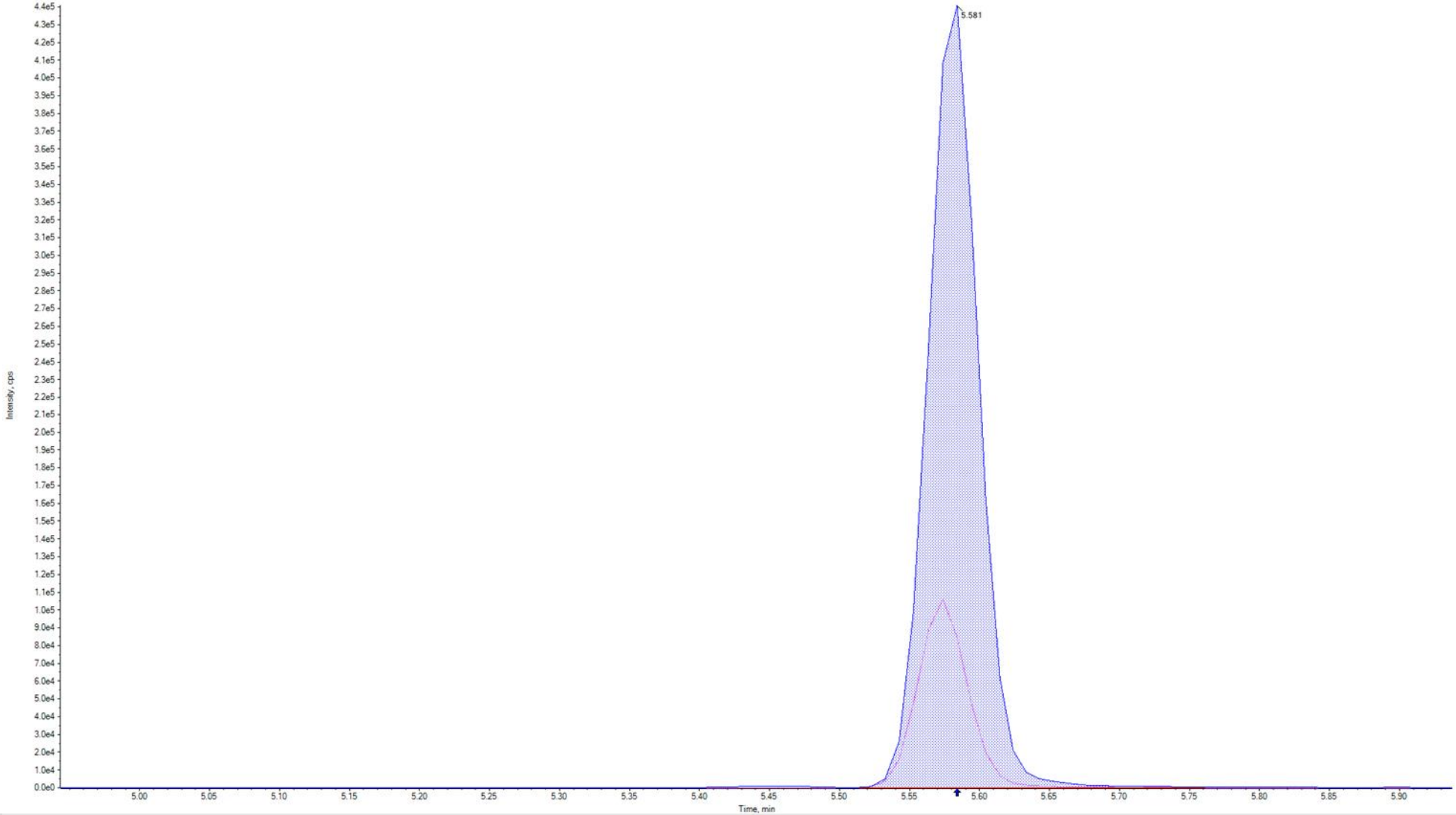
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Alpha Analytical LLC
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PFTrDA_2
Sample: IA1633STD-5 S/N:3197.2 Points Across peak:30



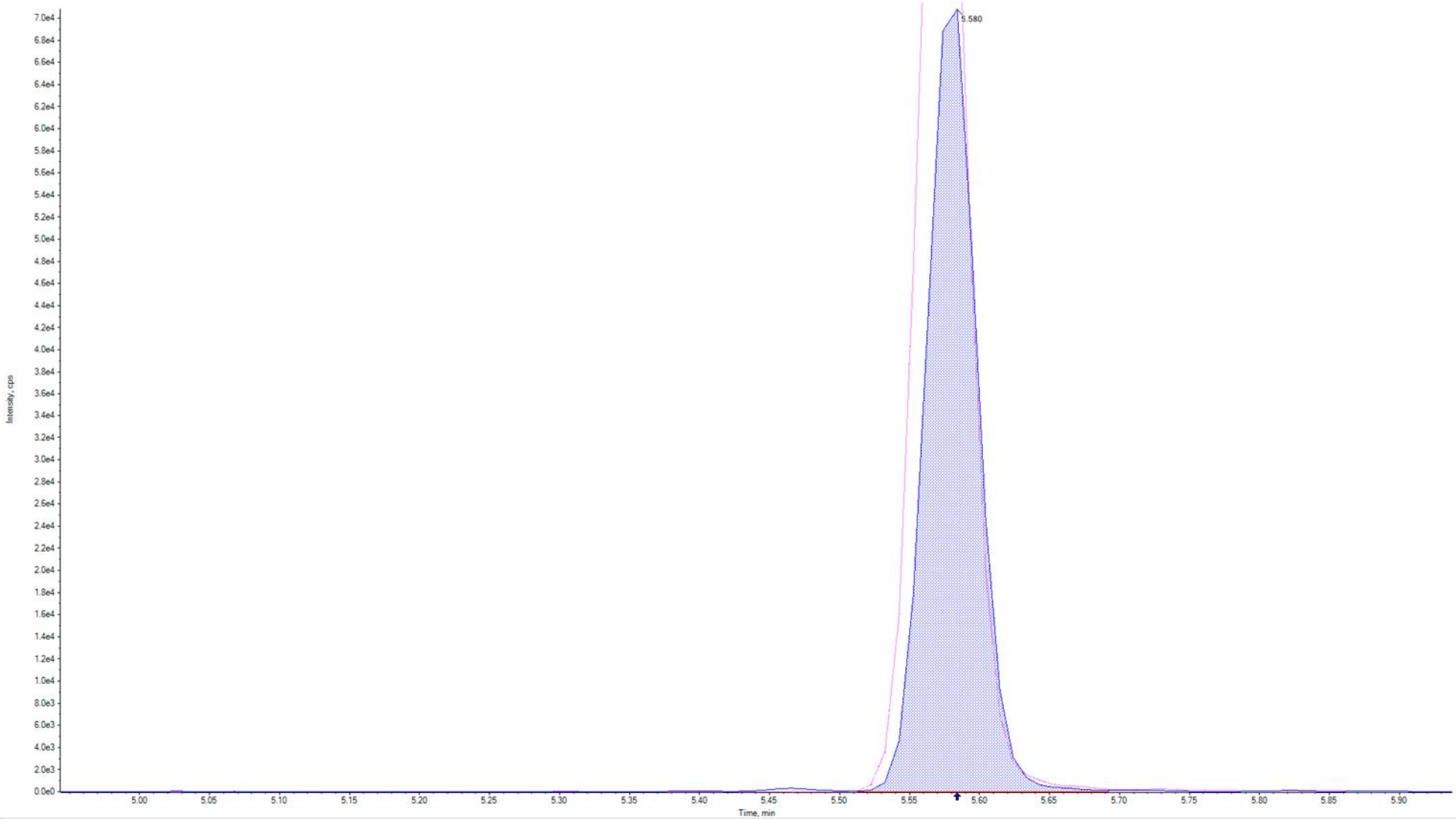
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFTeDA
Sample: IA1633STD-5 S/N:27620.3 Points Across peak:28



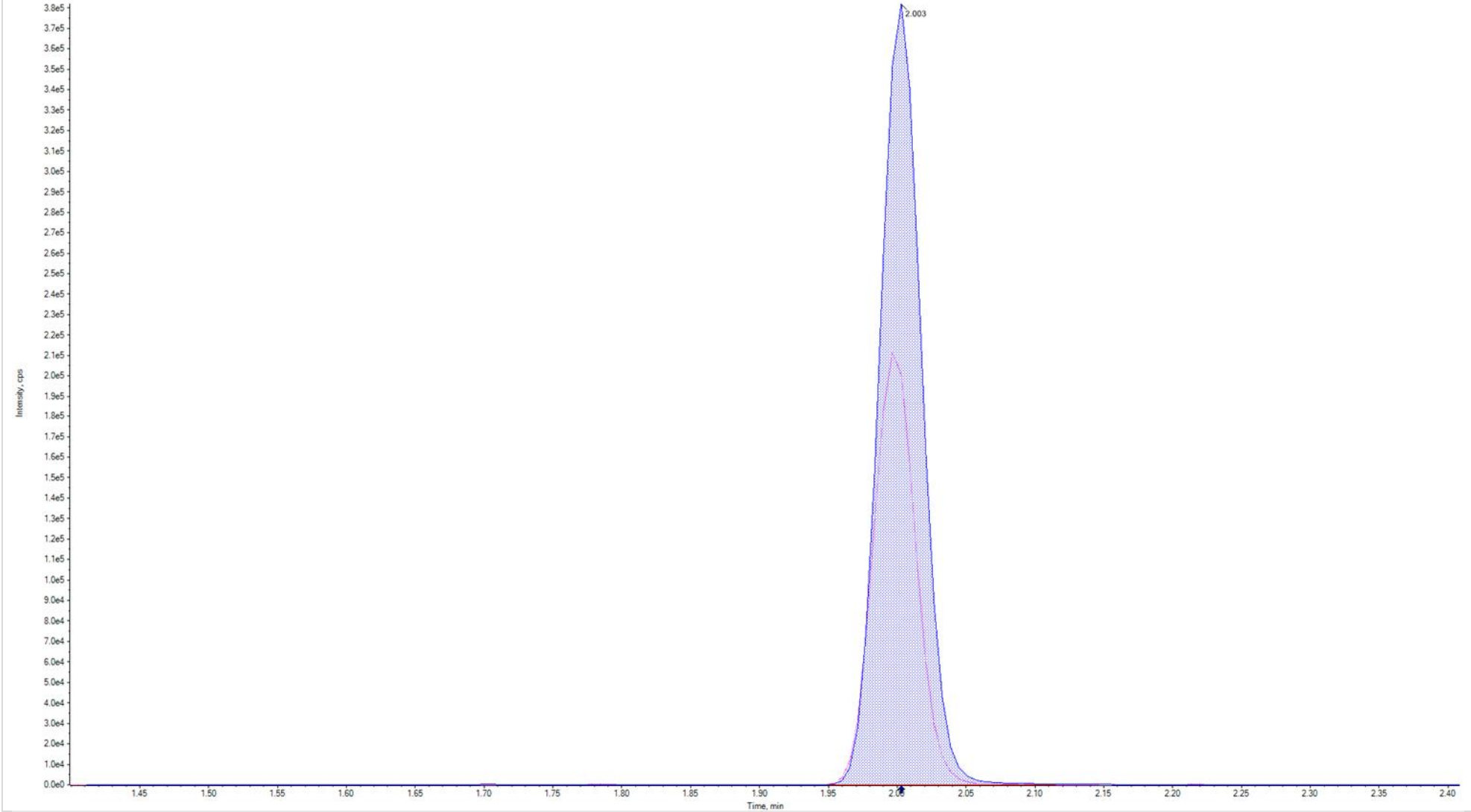
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFTeDA_2
Sample: IA1633STD-5 S/N:2179.0 Points Across peak:20



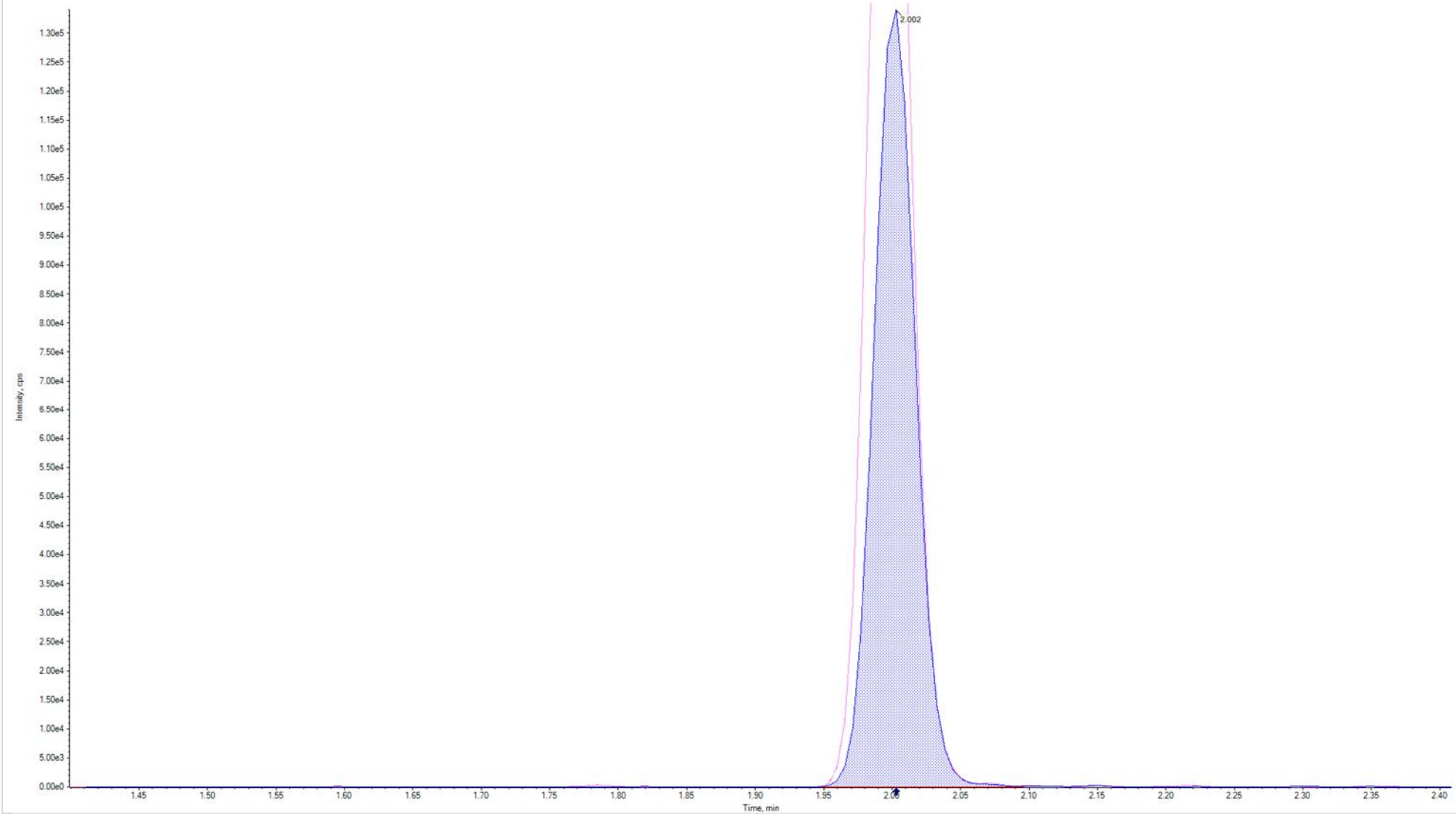
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFBS
Sample: IA1633STD-5 S/N:9572.6 Points Across peak:30



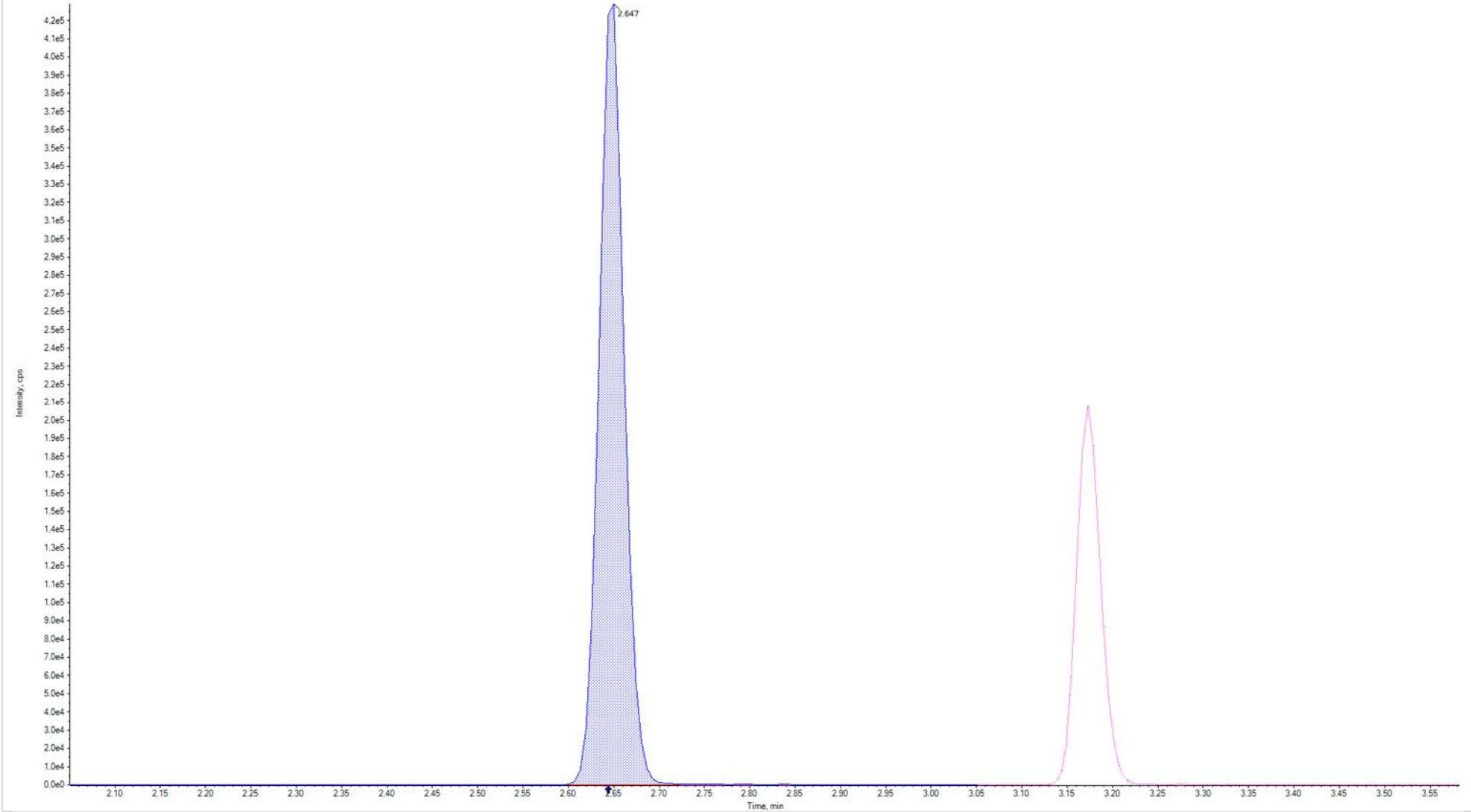
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Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

PFBS_2
Sample: IA1633STD-5 S/N:3353.0 Points Across peak:26



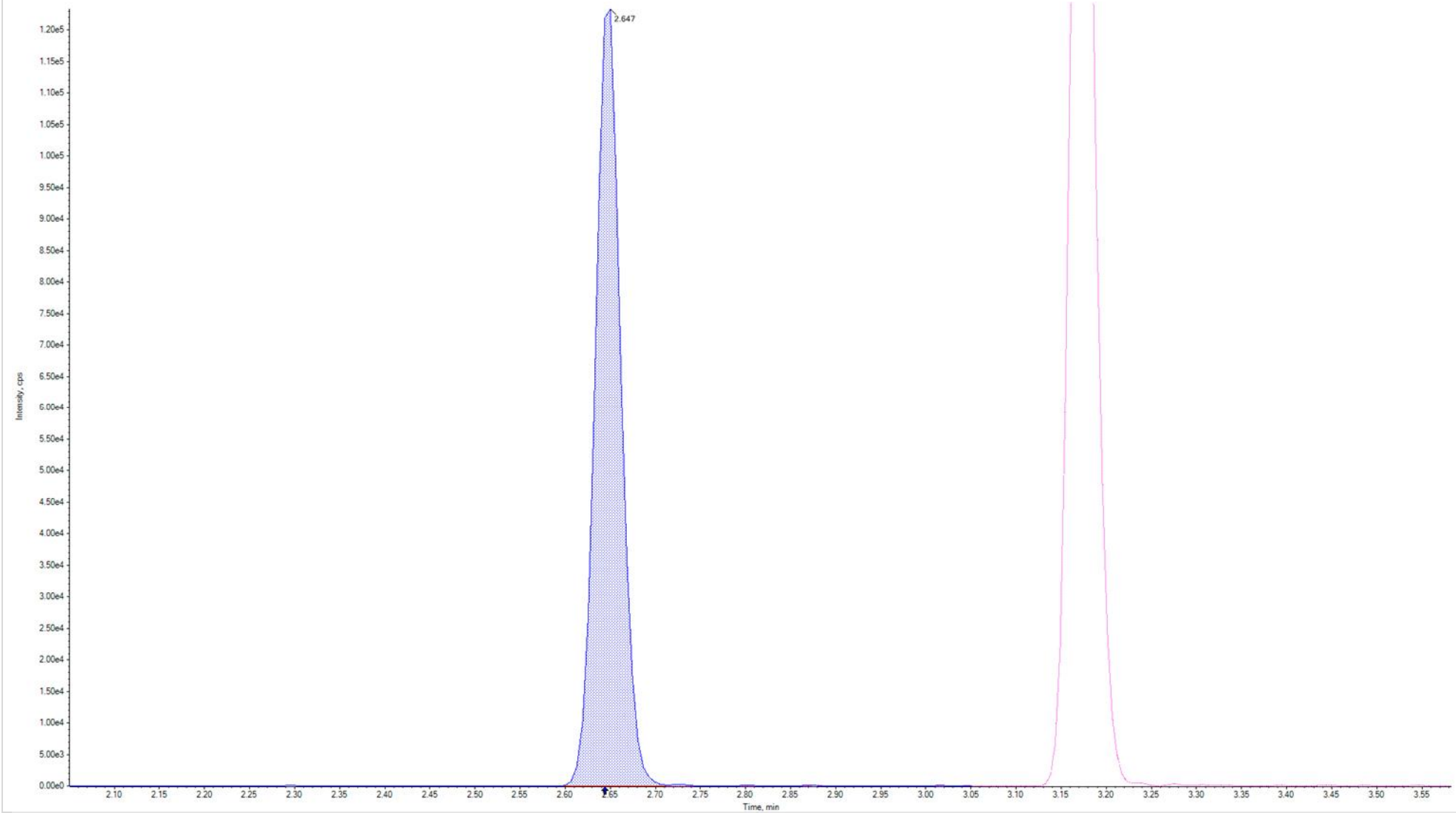
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Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

PFPeS
Sample: IA1633STD-5 S/N:7068.5 Points Across peak:22



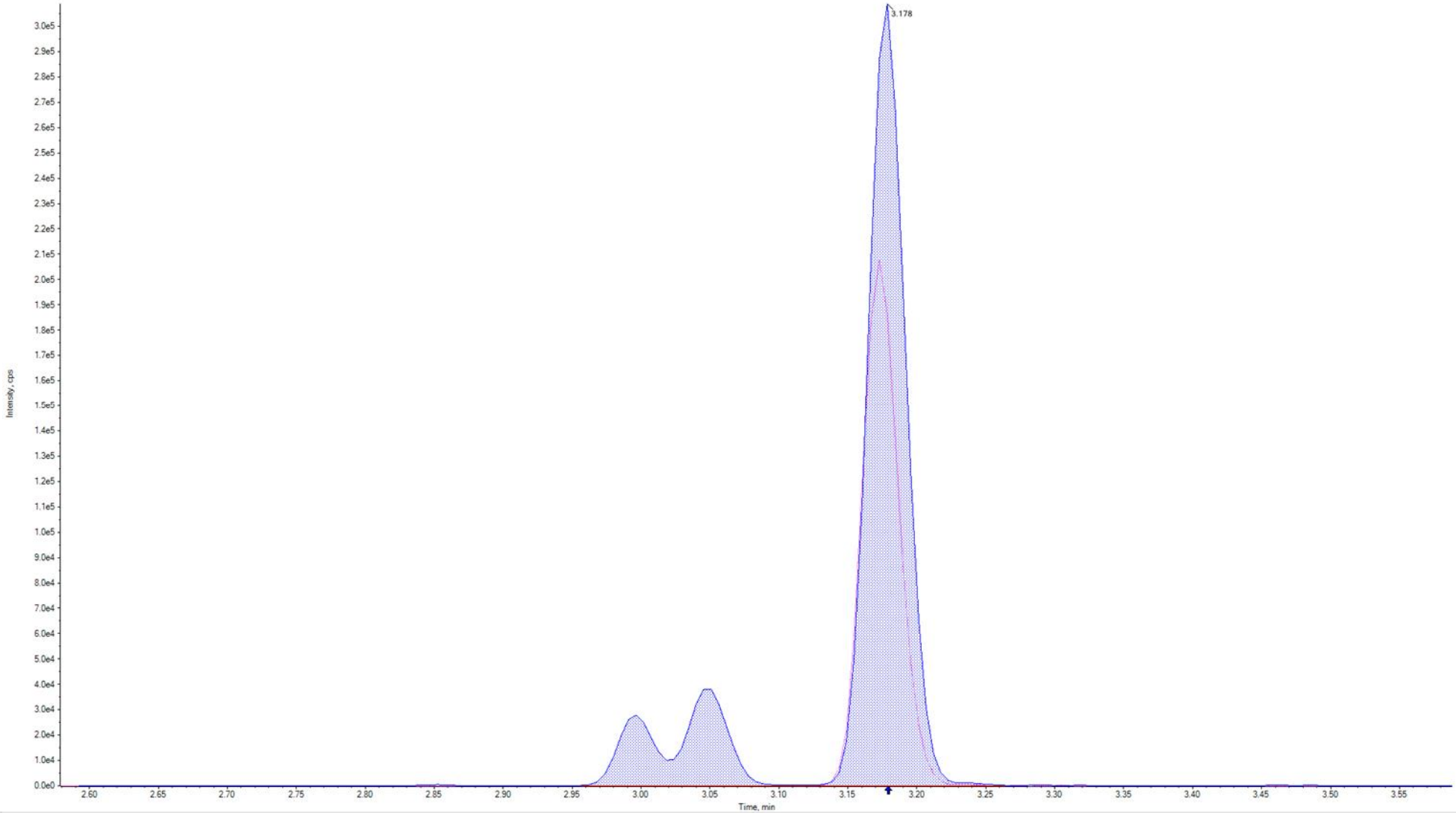
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Alpha Analytical LLC
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PFPeS_2
Sample: IA1633STD-5 S/N:2472.9 Points Across peak:22



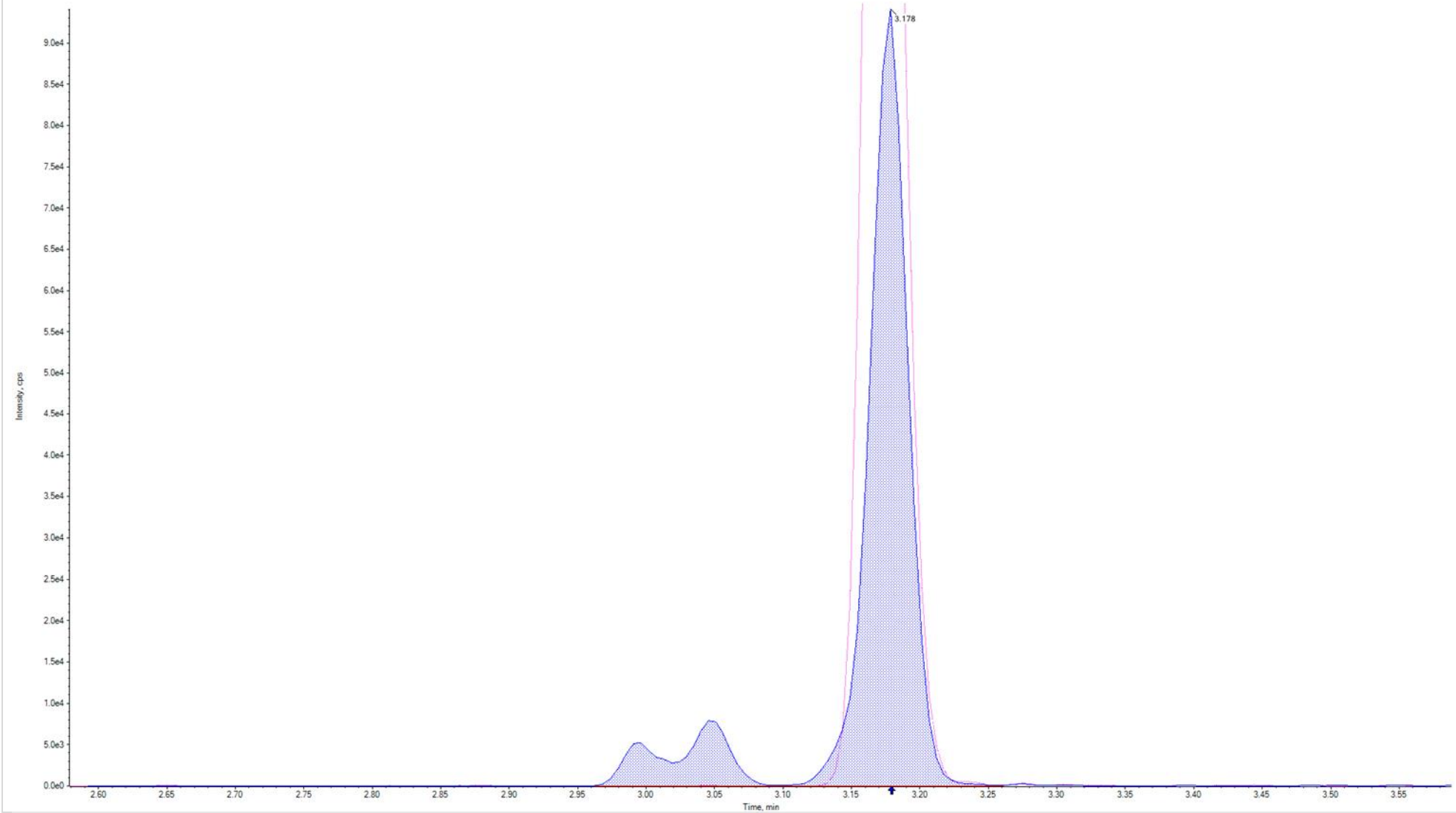
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PFHxS
Sample: IA1633STD-5 S/N:976.7 Points Across peak:62



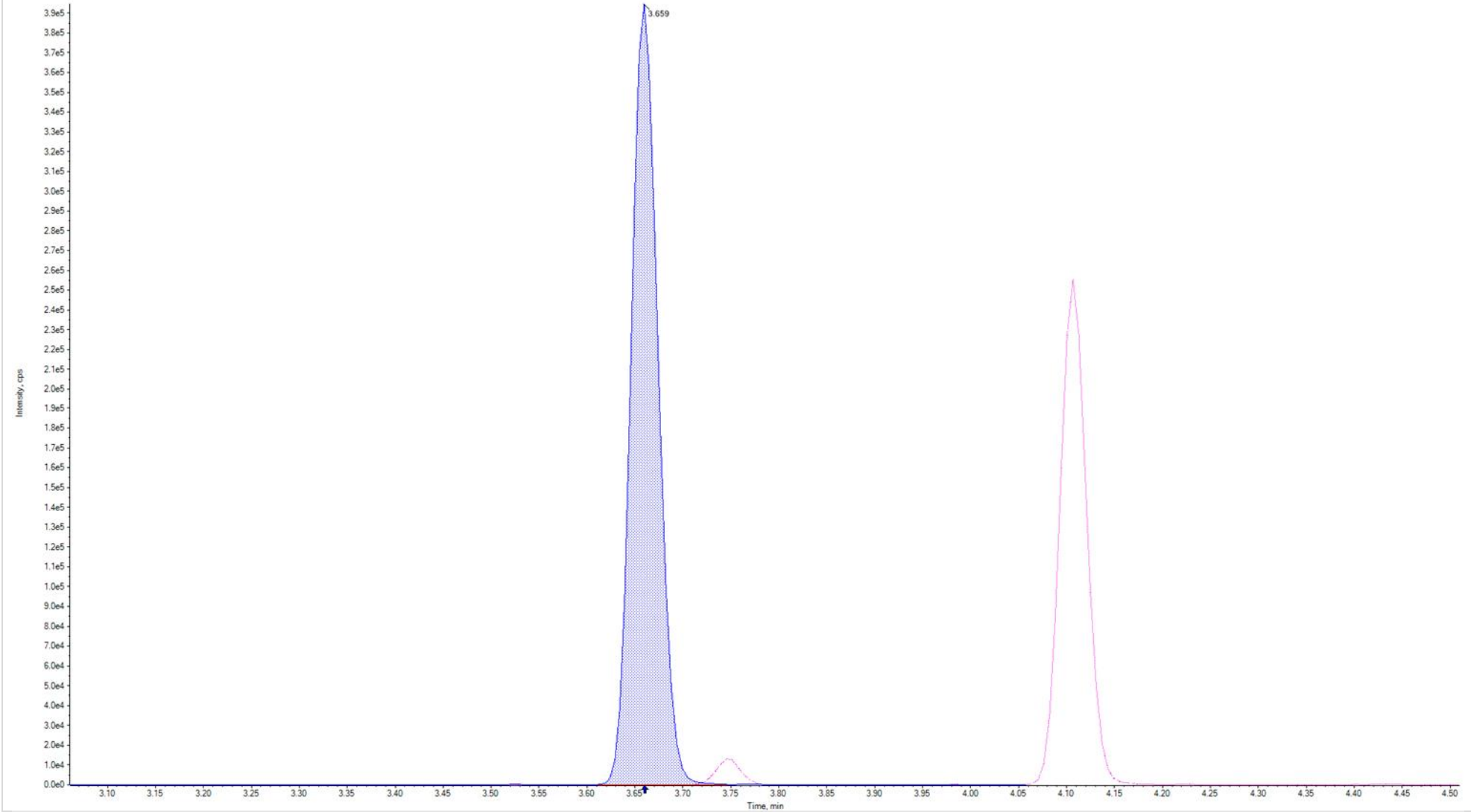
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Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

PFHxS_2
Sample: IA1633STD-5 S/N:981.5 Points Across peak:57



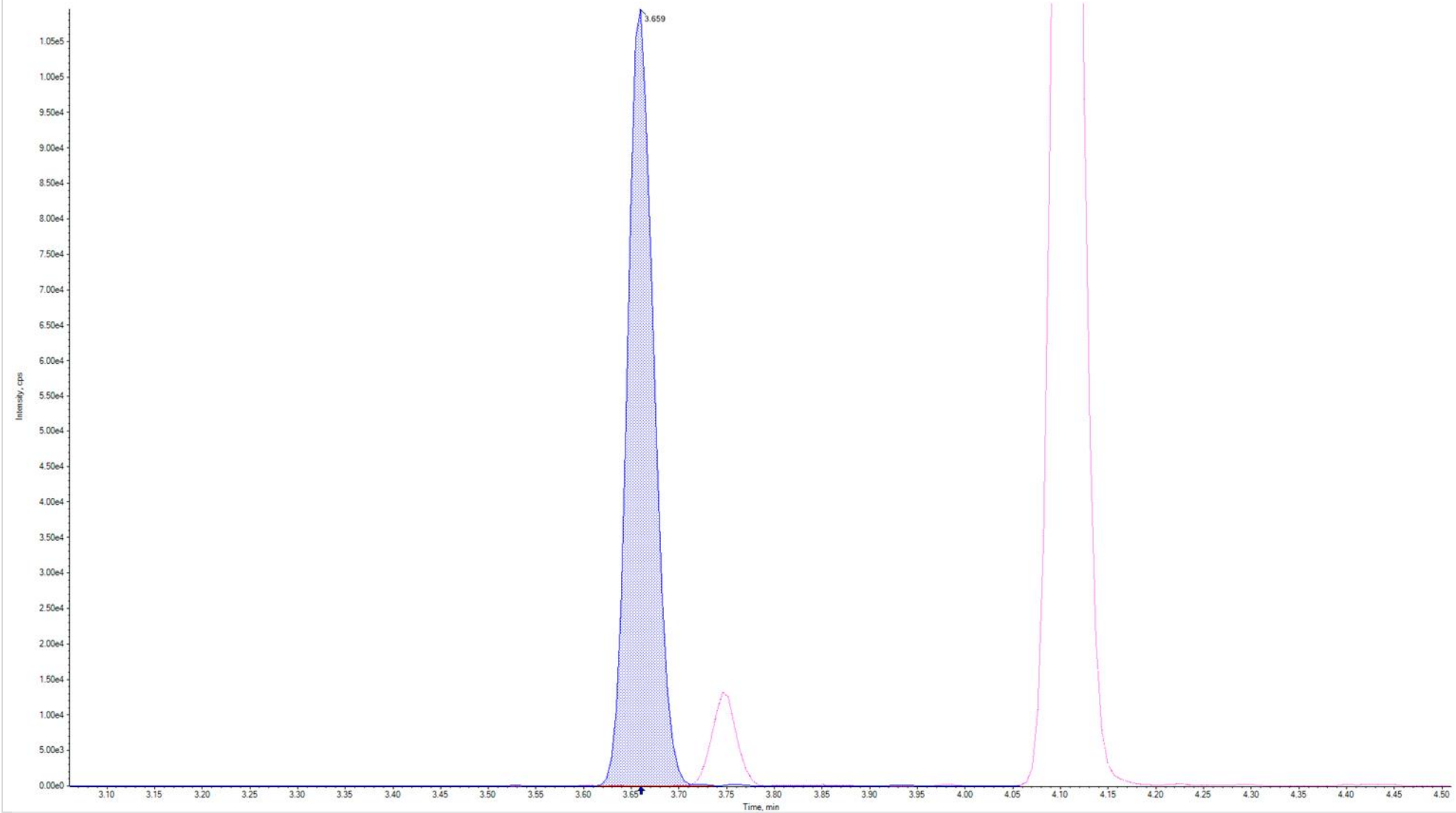
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Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

PFHpS
Sample: IA1633STD-5 S/N:7503.2 Points Across peak:32



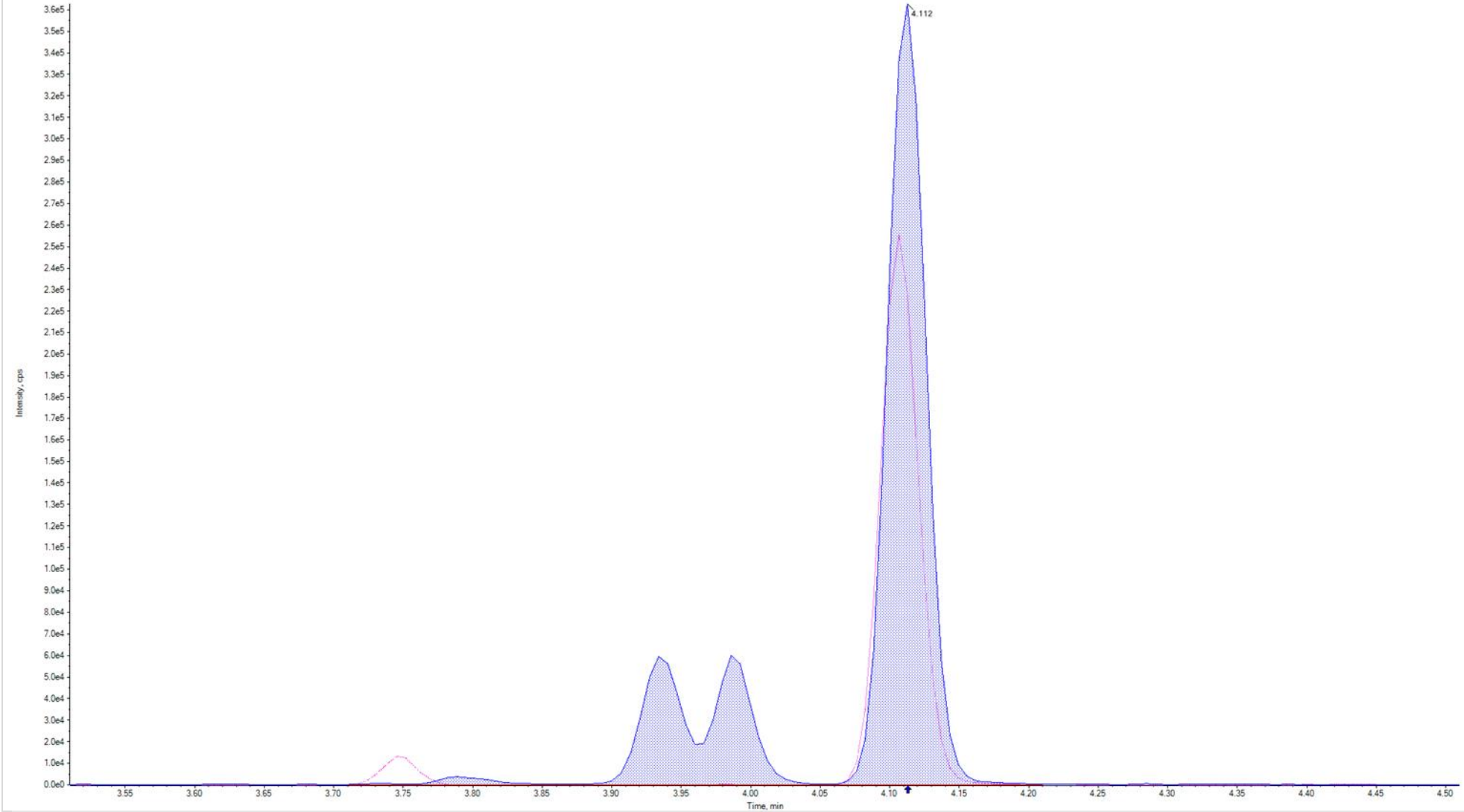
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Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

PFHpS_2
Sample: IA1633STD-5 S/N:1911.4 Points Across peak:27



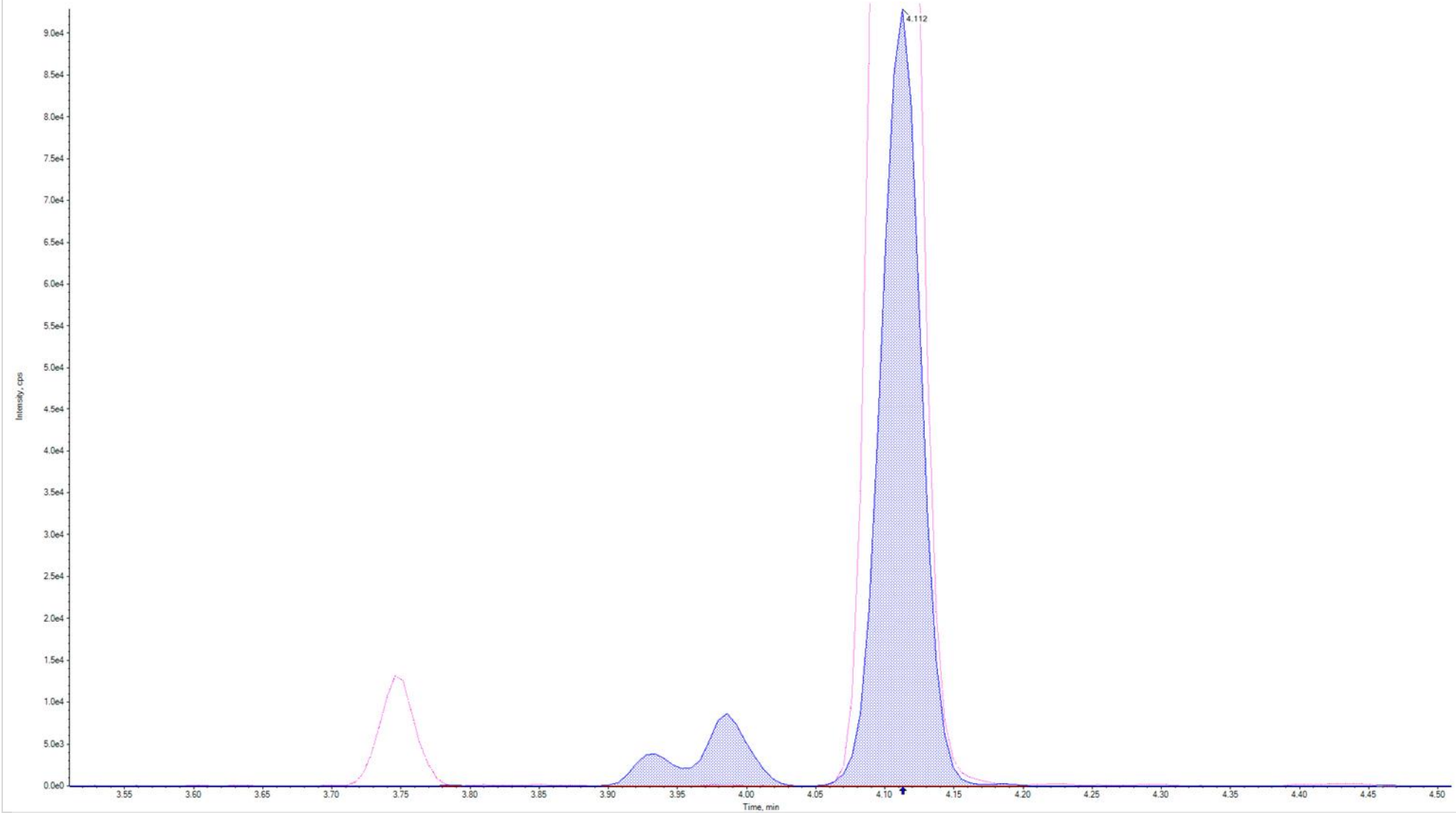
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Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

PFOS
Sample: IA1633STD-5 S/N:524.6 Points Across peak:81



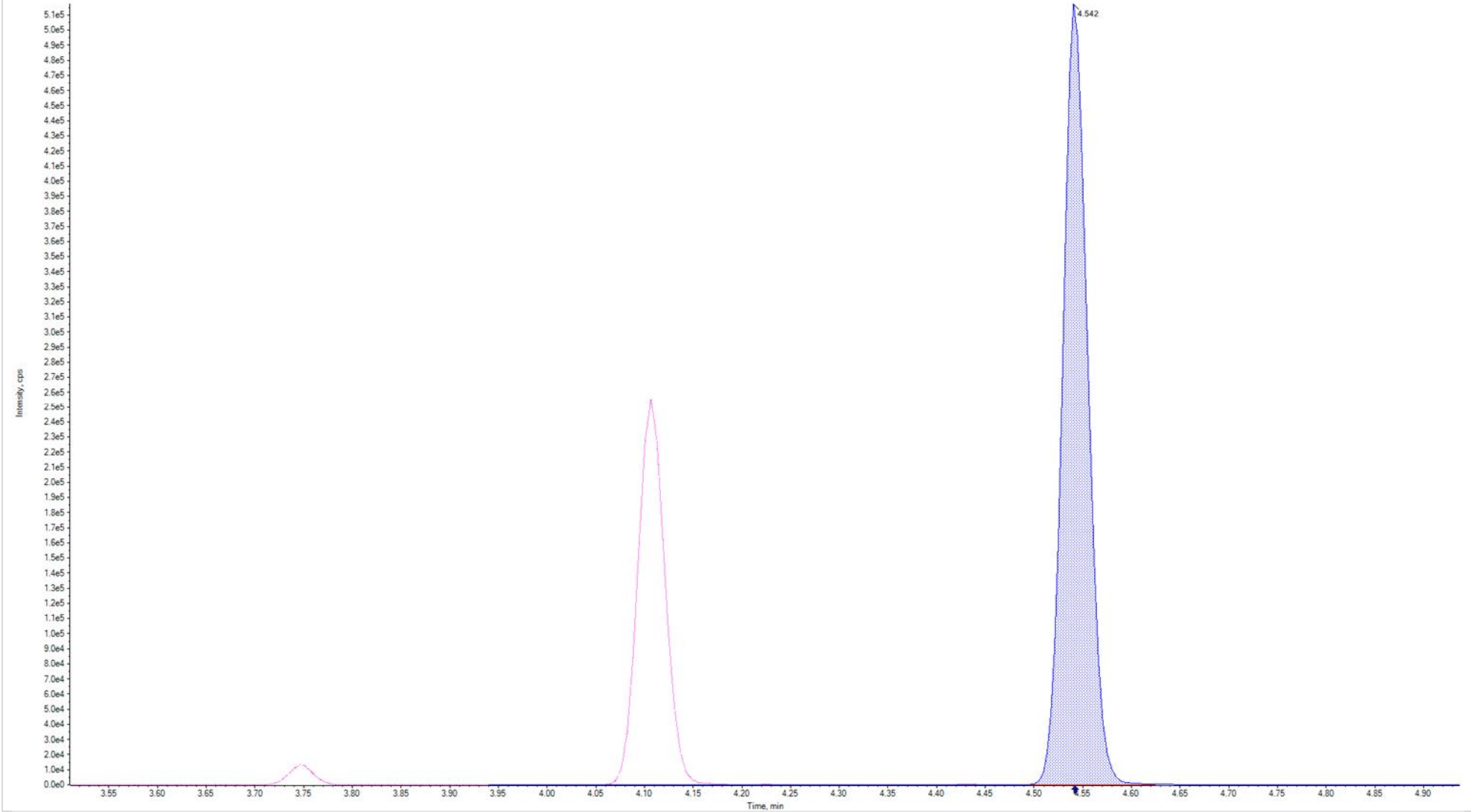
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PFOS_2
Sample: IA1633STD-5 S/N:1258.6 Points Across peak:76



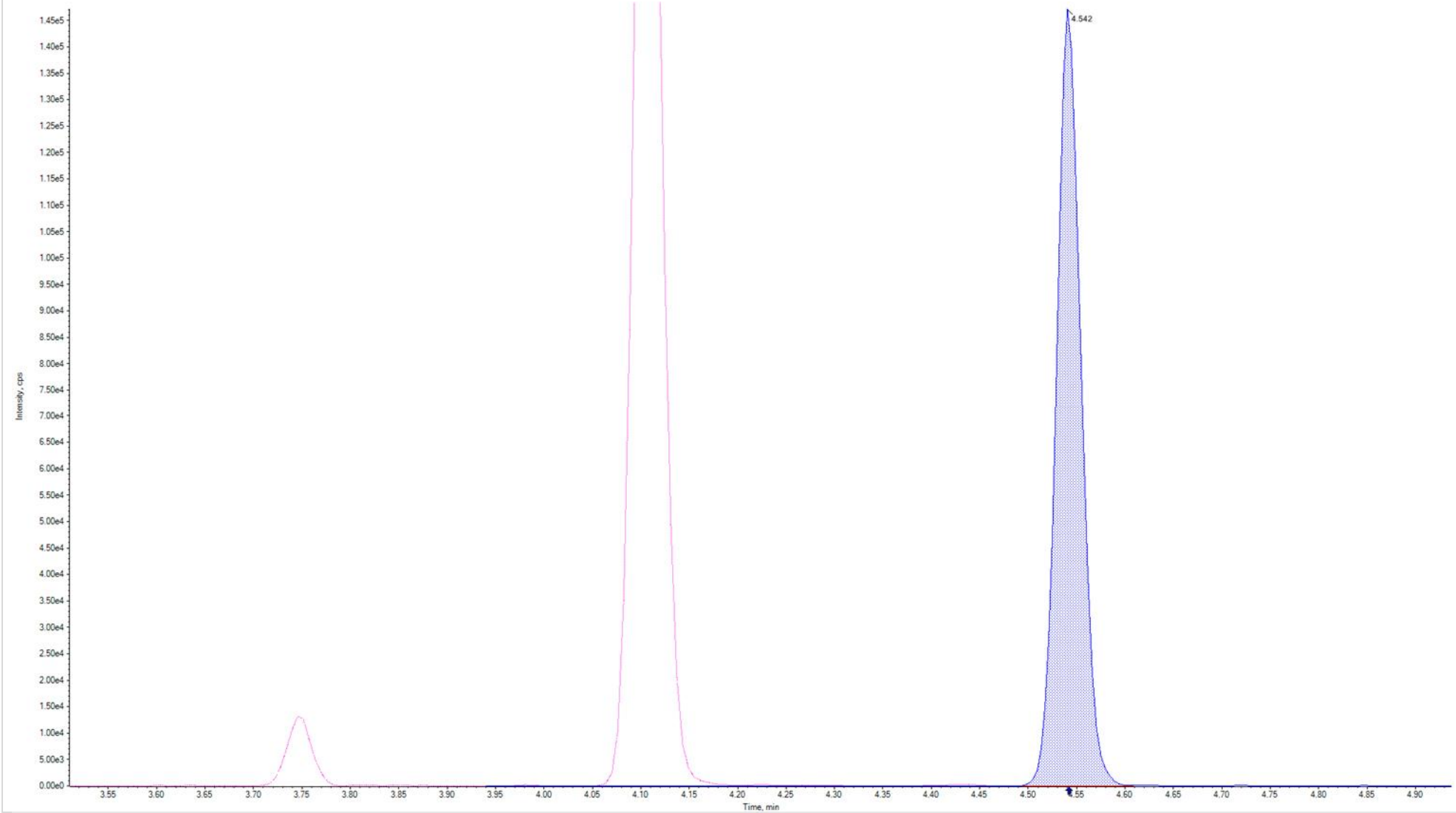
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFNS
Sample: IA1633STD-5 S/N:5714.7 Points Across peak:36



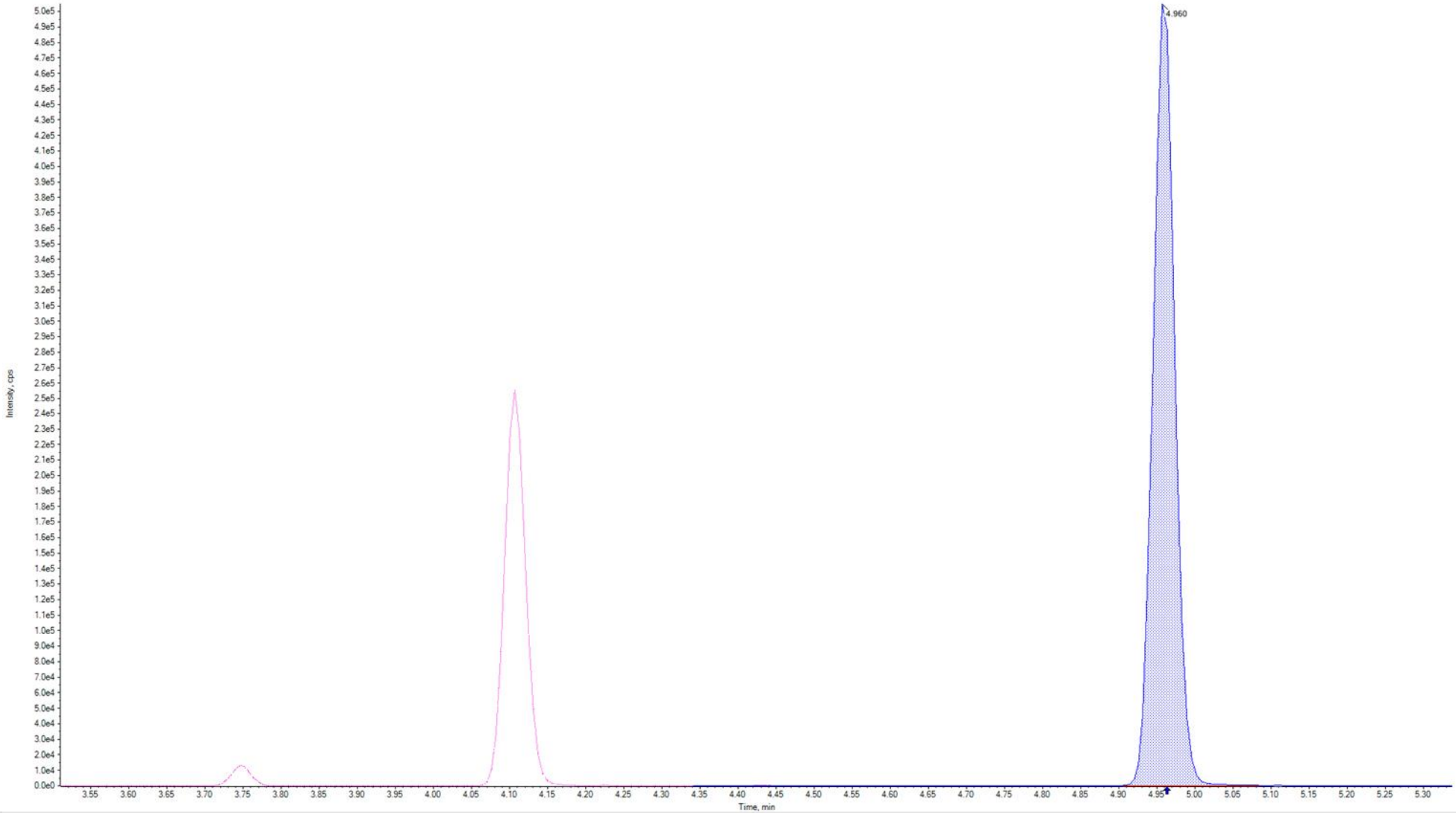
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_15.wiff2_5
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFNS_2
Sample: IA1633STD-5 S/N:3688.7 Points Across peak:34



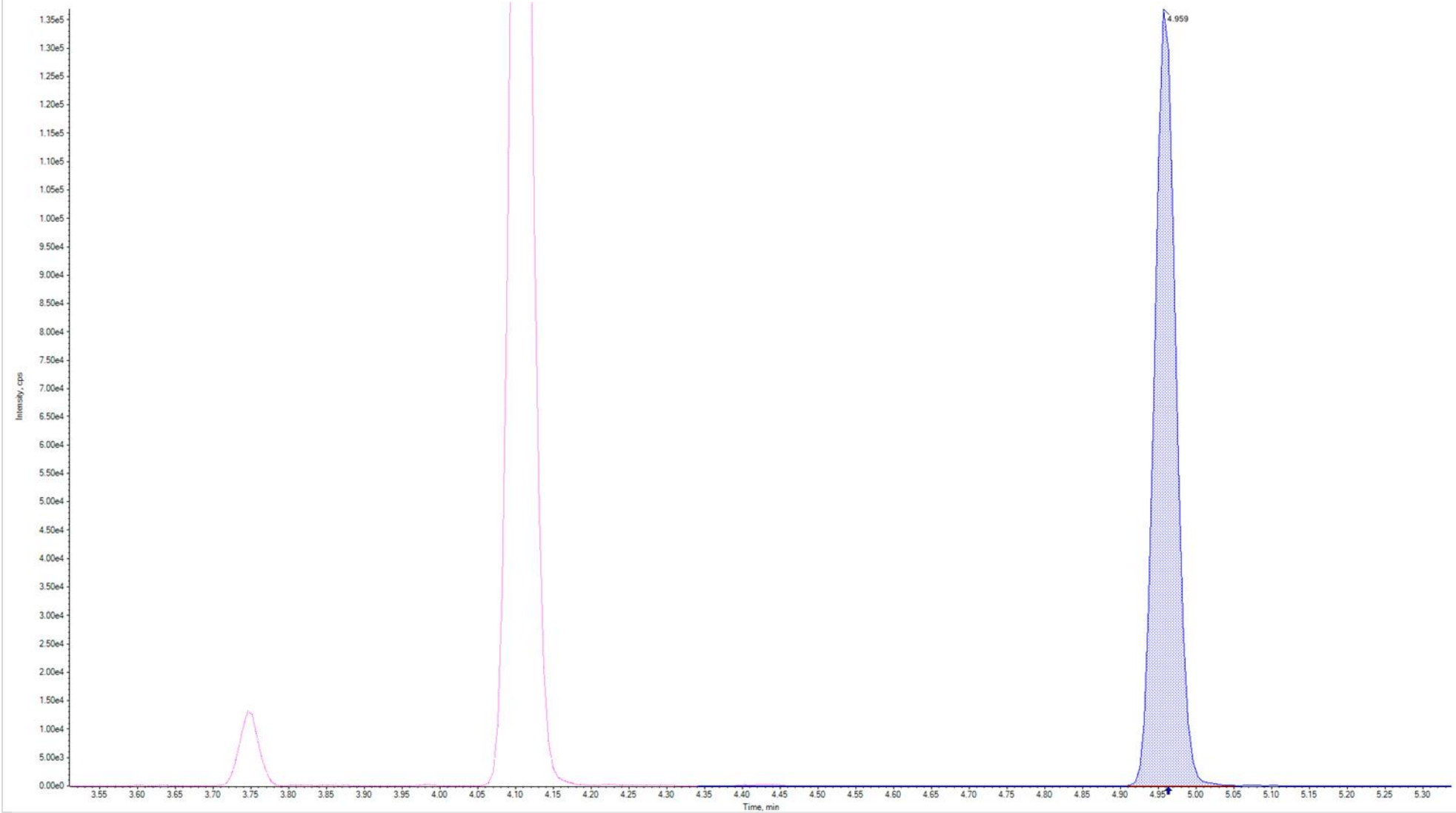
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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PFDS
Sample: IA1633STD-5 S/N:5593.1 Points Across peak:36



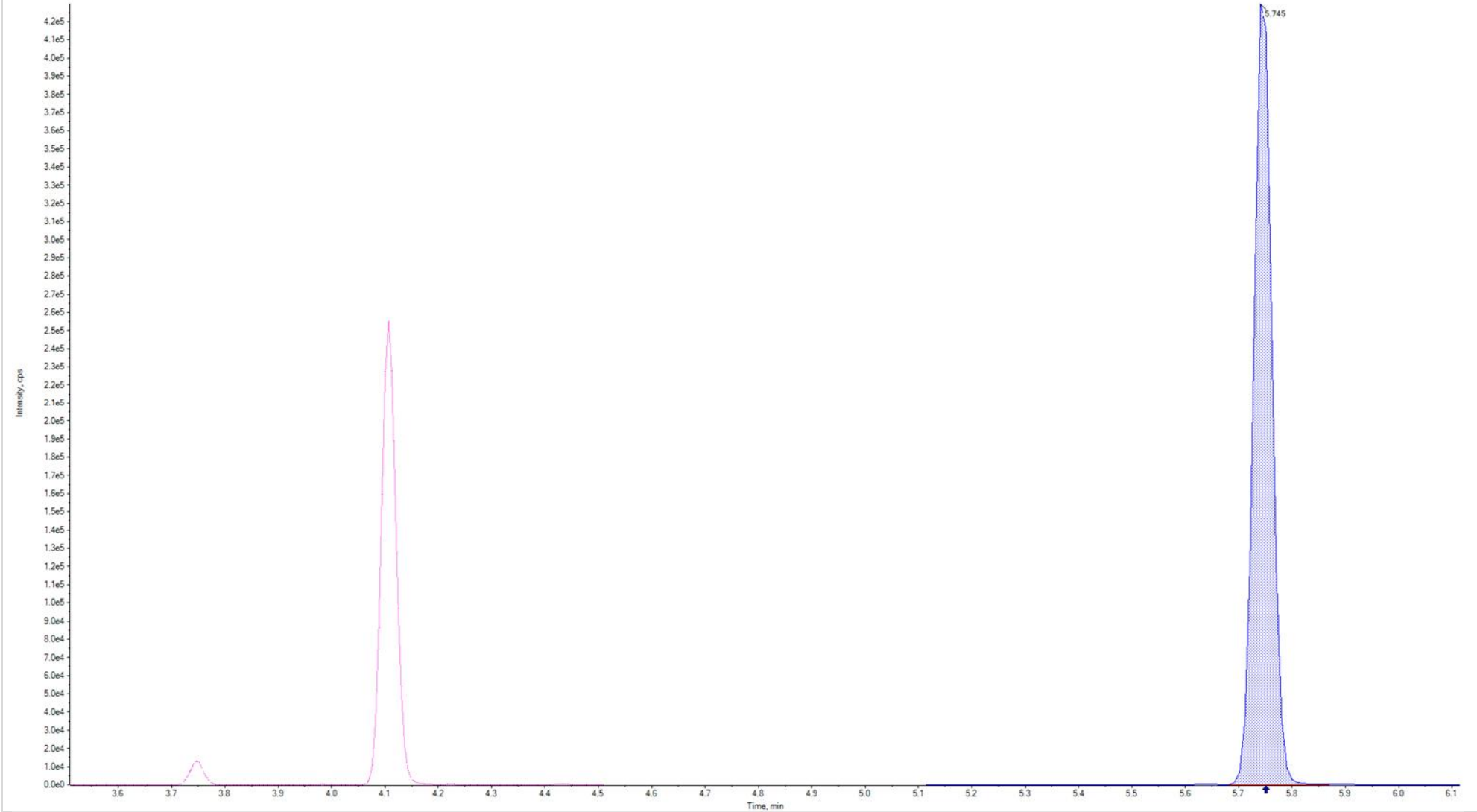
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Alpha Analytical LLC
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PFDS_2
Sample: IA1633STD-5 S/N:4803.3 Points Across peak:27



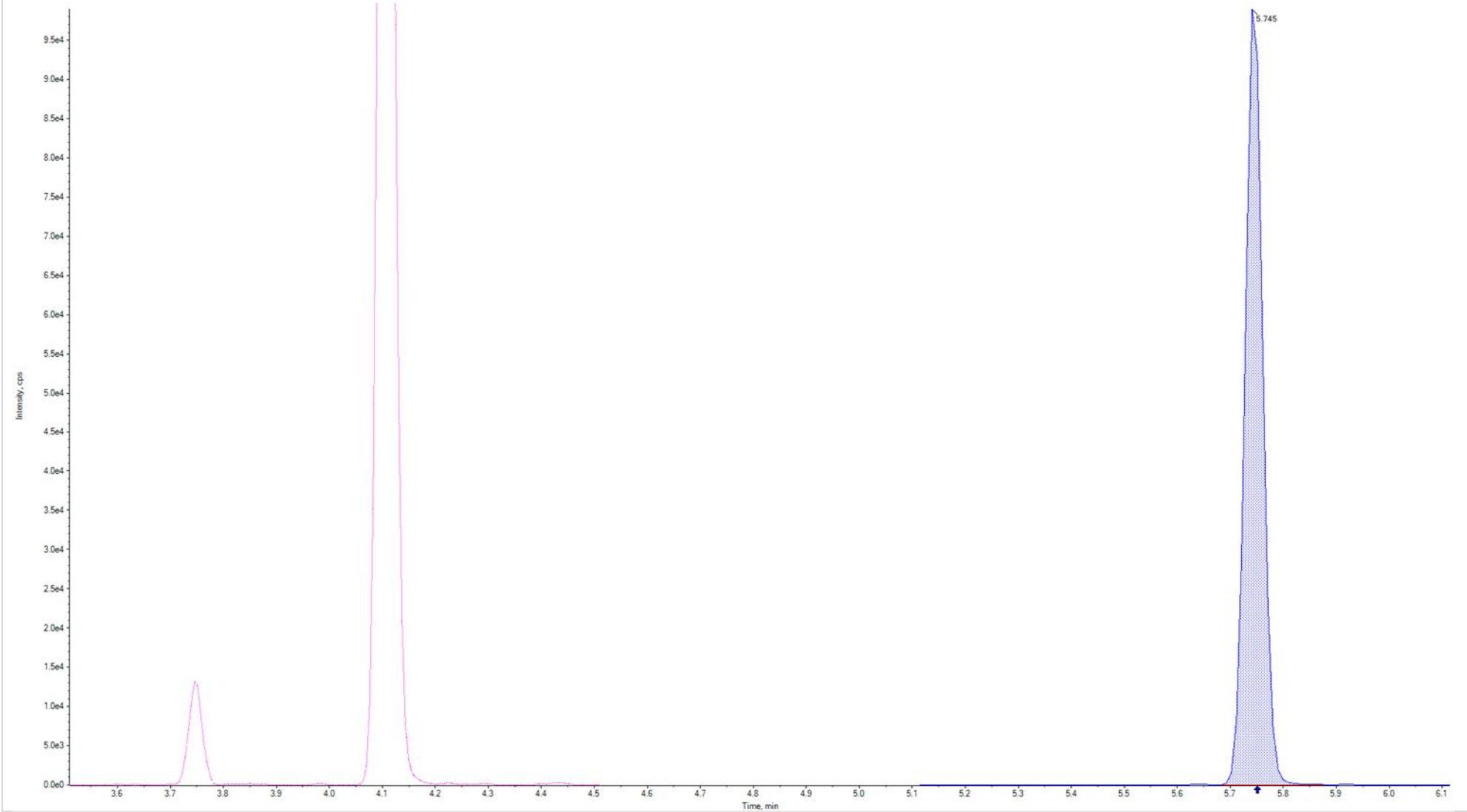
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFDoS
Sample: IA1633STD-5 S/N:33392.9 Points Across peak:21



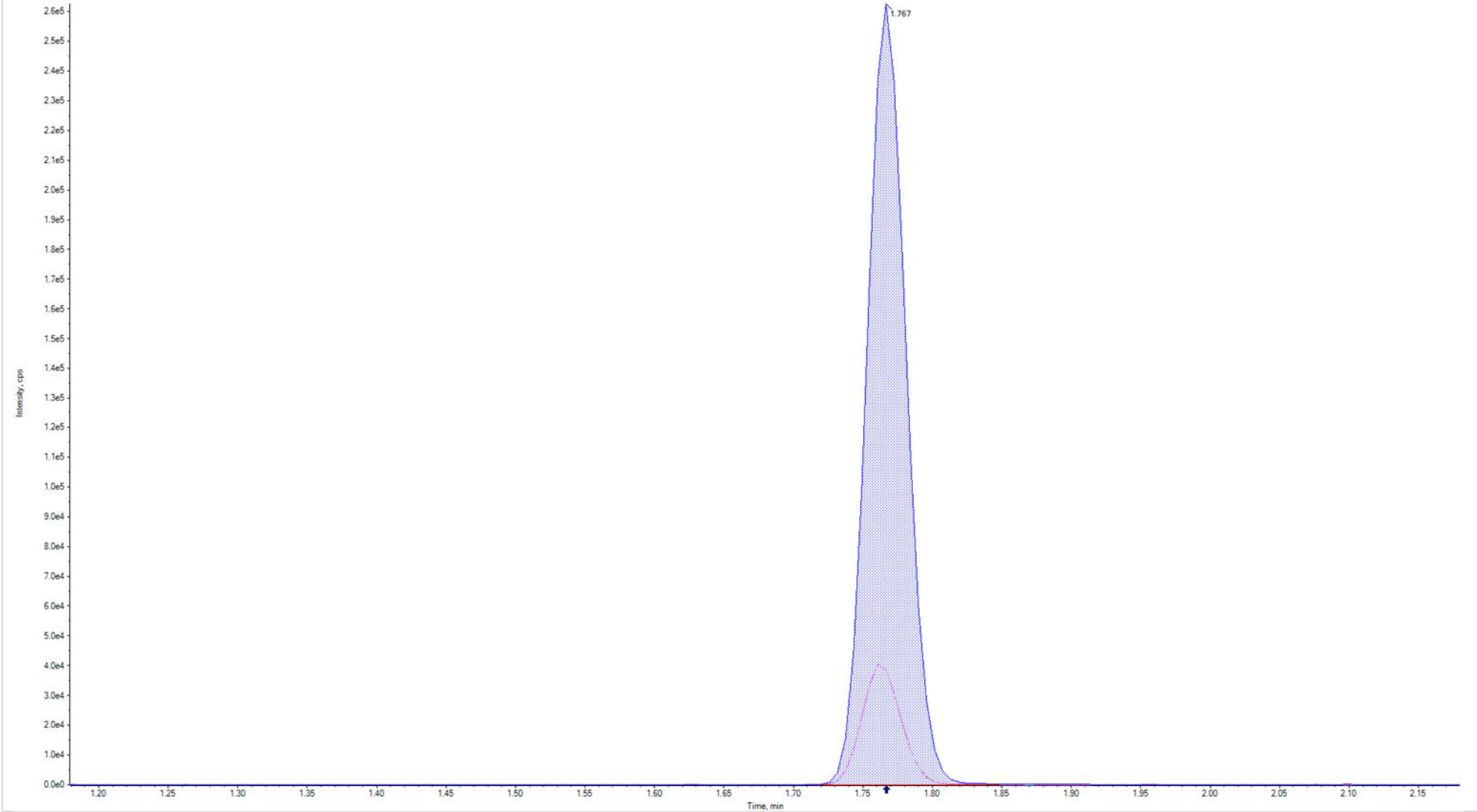
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_15.wiff2_5
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFDoS_2
Sample: IA1633STD-5 S/N:3227.1 Points Across peak:24



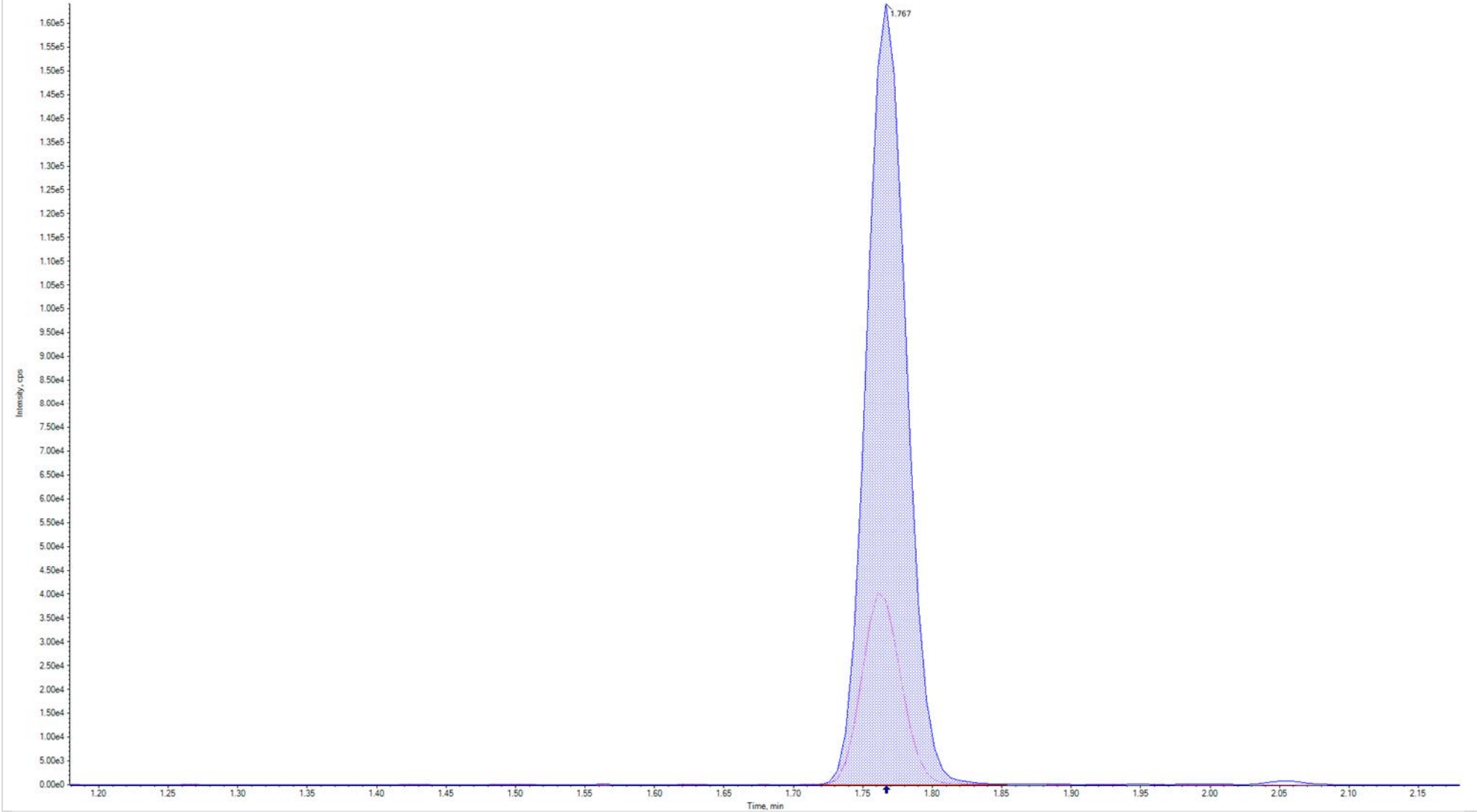
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_15.wiff2_5
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

4:2FTS
Sample: IA1633STD-5 S/N:4683.0 Points Across peak:27



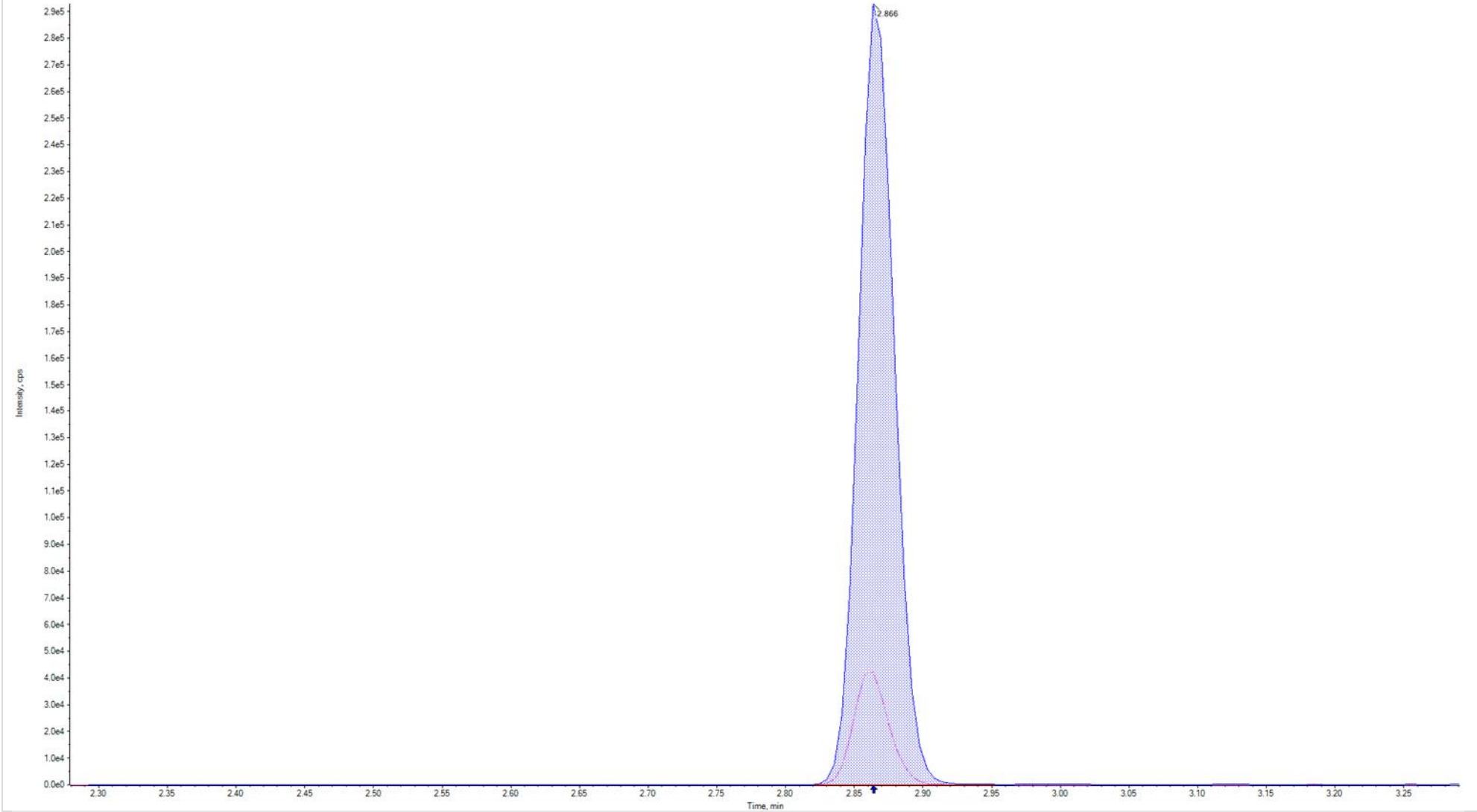
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

4:2FTS_2
Sample: IA1633STD-5 S/N:6168.0 Points Across peak:27



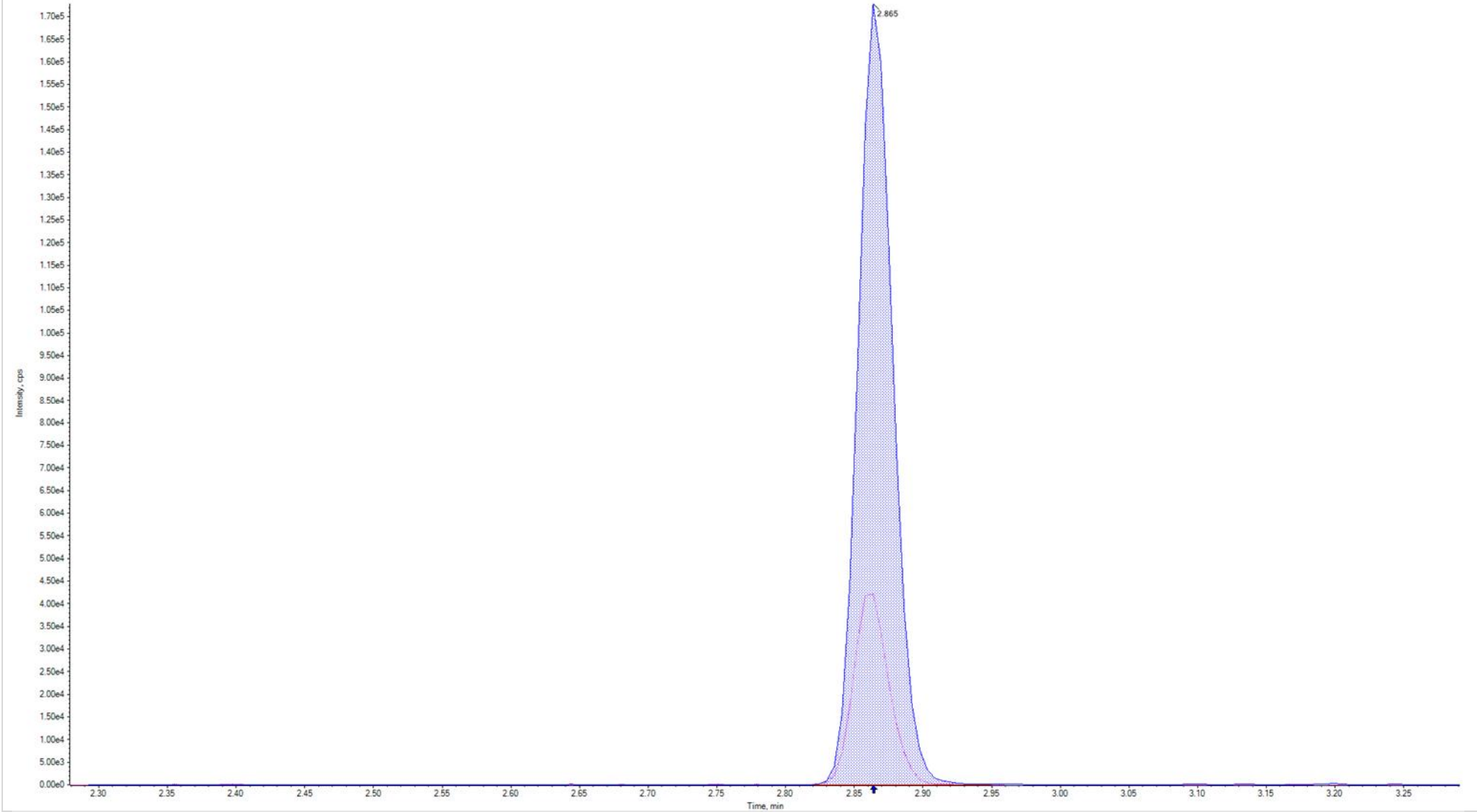
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

6:2FTS
Sample: IA1633STD-5 S/N:5872.8 Points Across peak:27



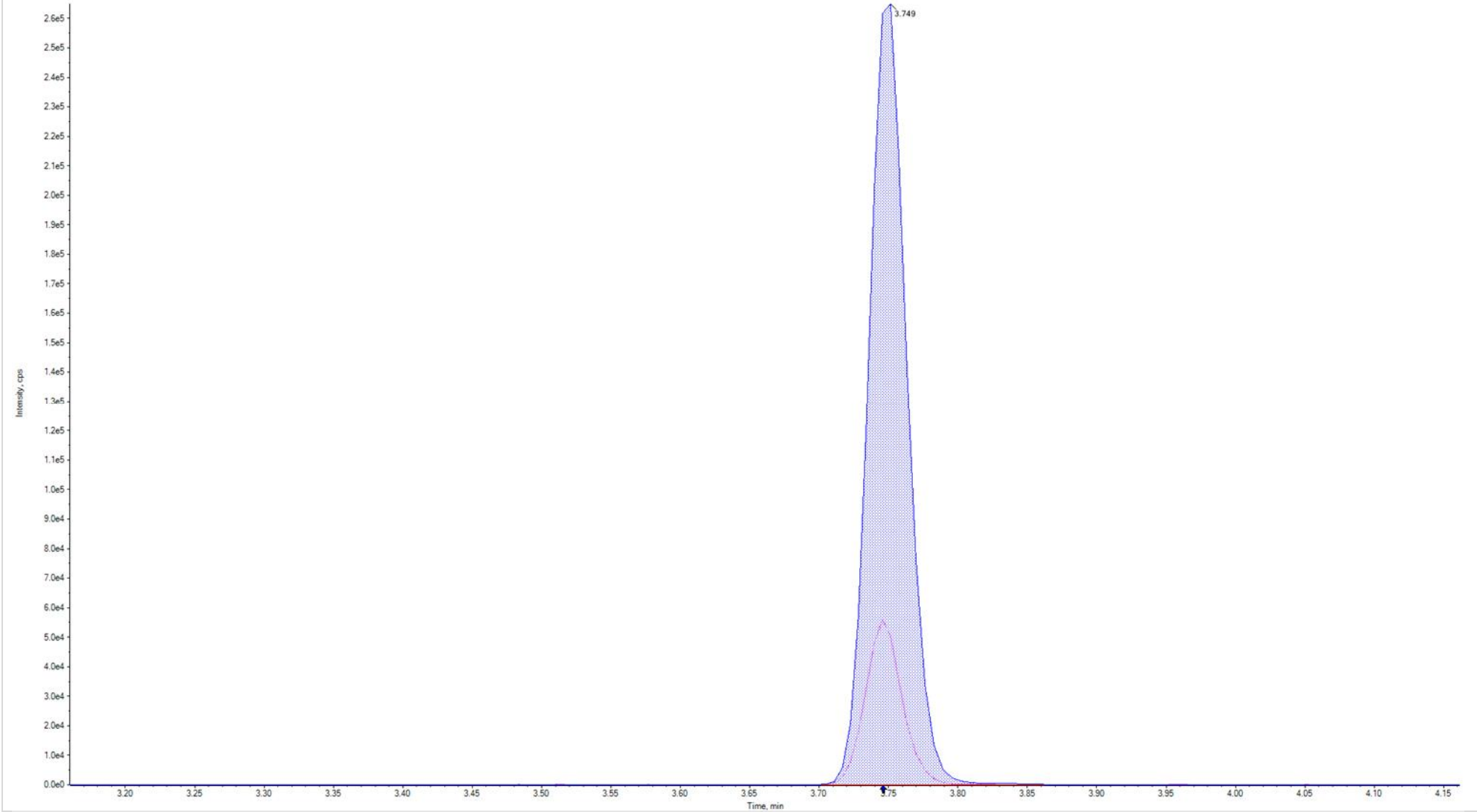
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

6:2FTS_2
Sample: IA1633STD-5 S/N:3465.1 Points Across peak:27



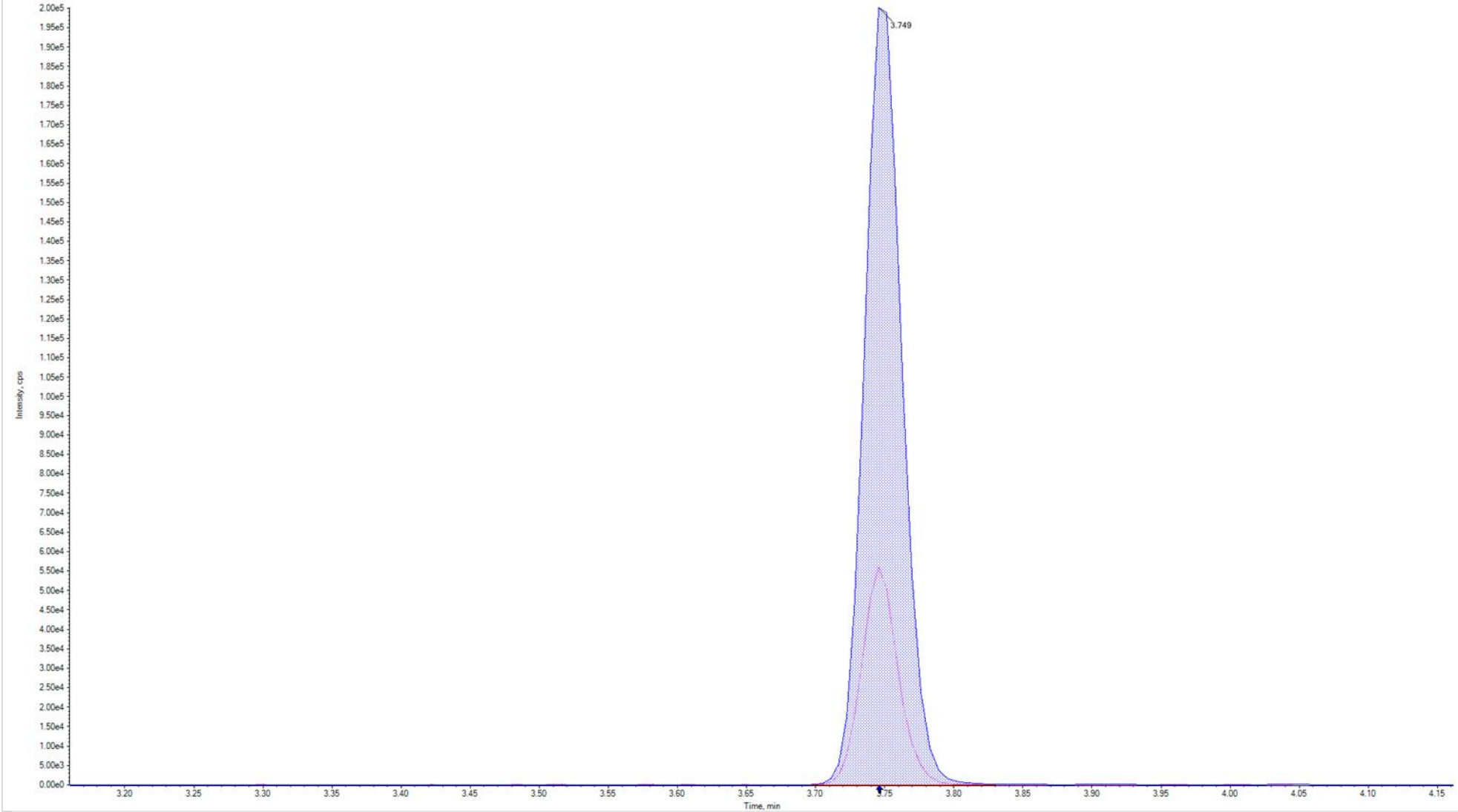
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

8:2FTS
Sample: IA1633STD-5 S/N:5312.5 Points Across peak:35



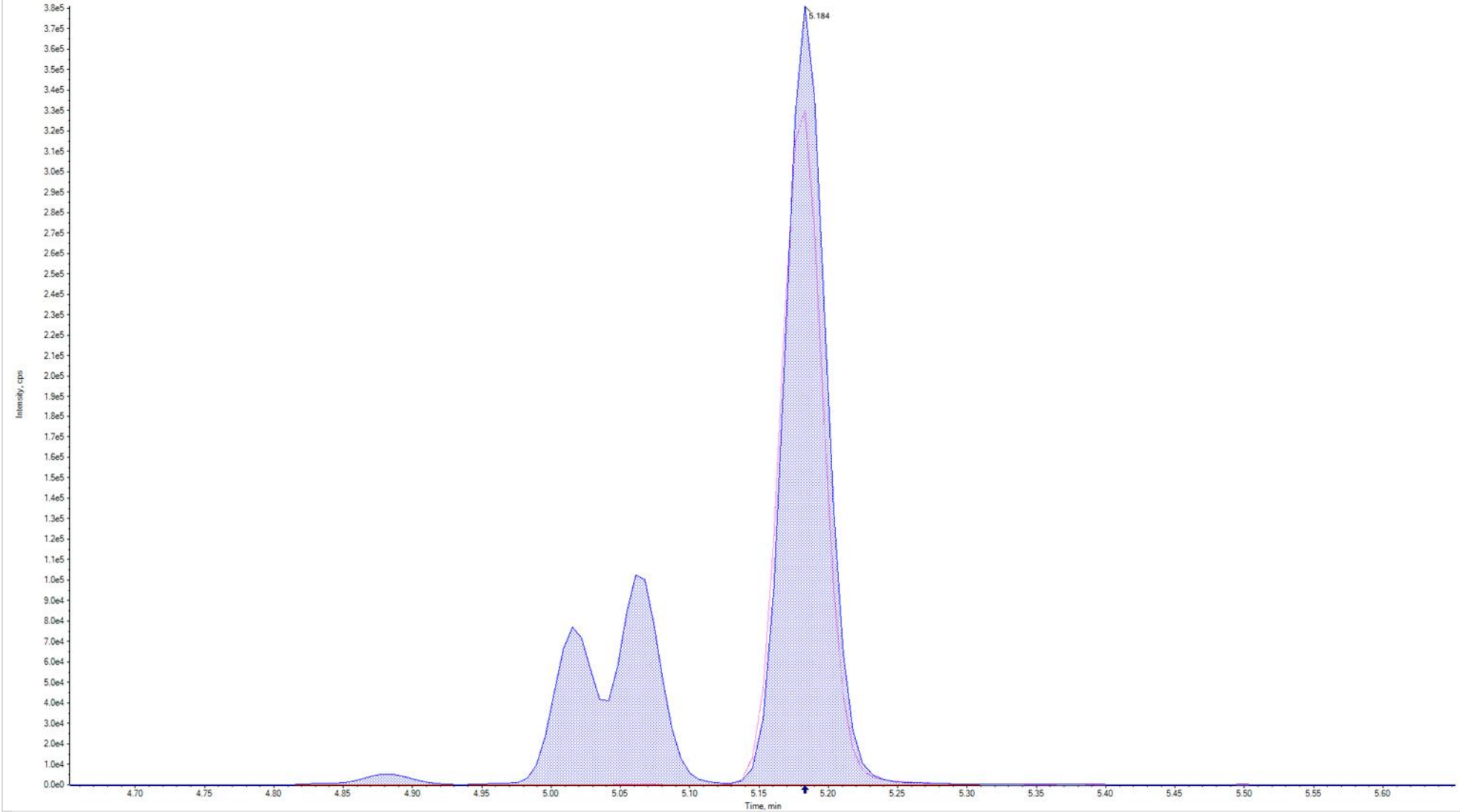
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

8:2FTS_2
Sample: IA1633STD-5 S/N:4014.1 Points Across peak:26



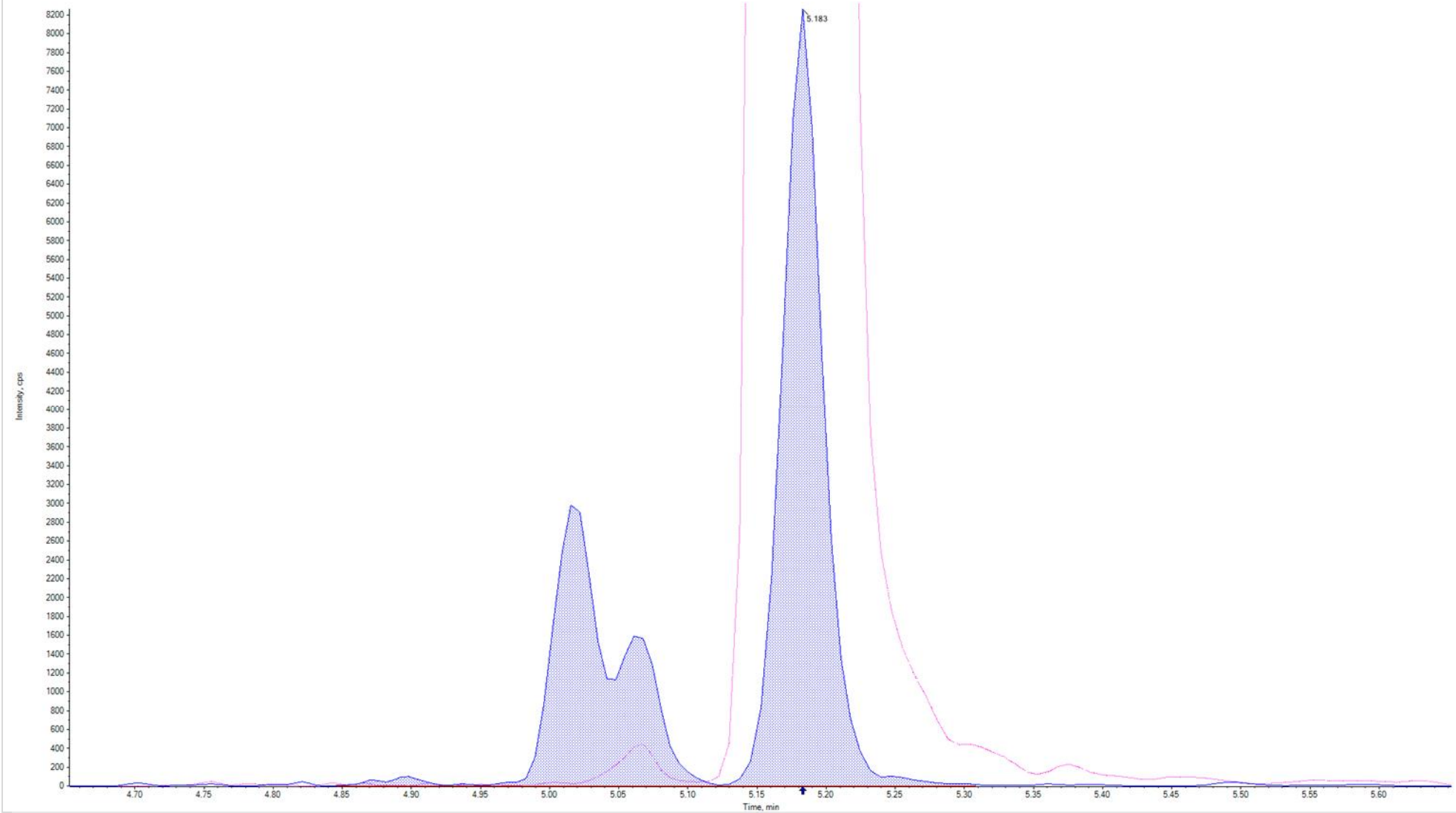
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFOSA
Sample: IA1633STD-5 S/N:270.4 Points Across peak:78



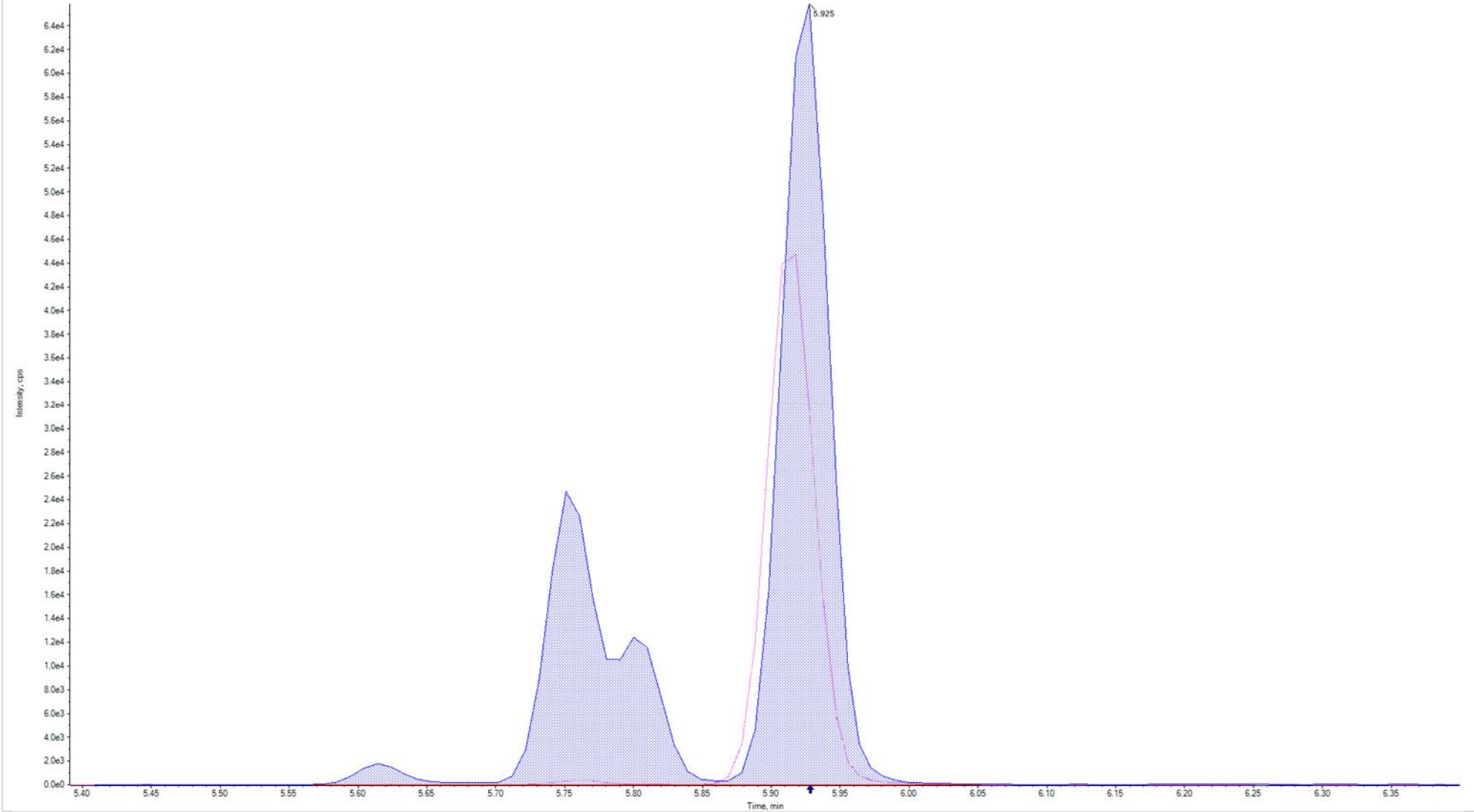
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_15.wiff2_5
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFOSA_2
Sample: IA1633STD-5 S/N:225.0 Points Across peak:72



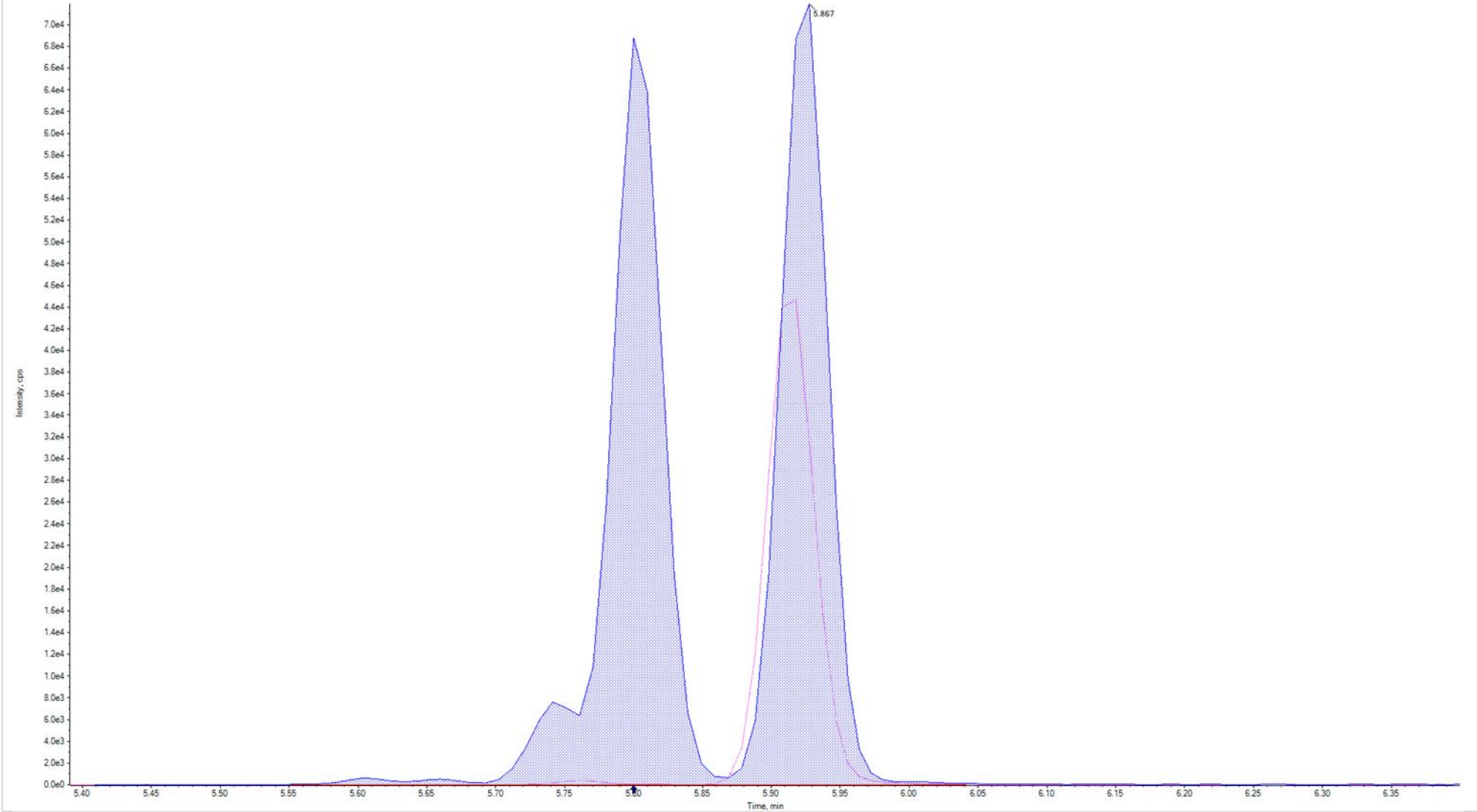
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NMeFOSA
Sample: IA1633STD-5 S/N:266.3 Points Across peak:55



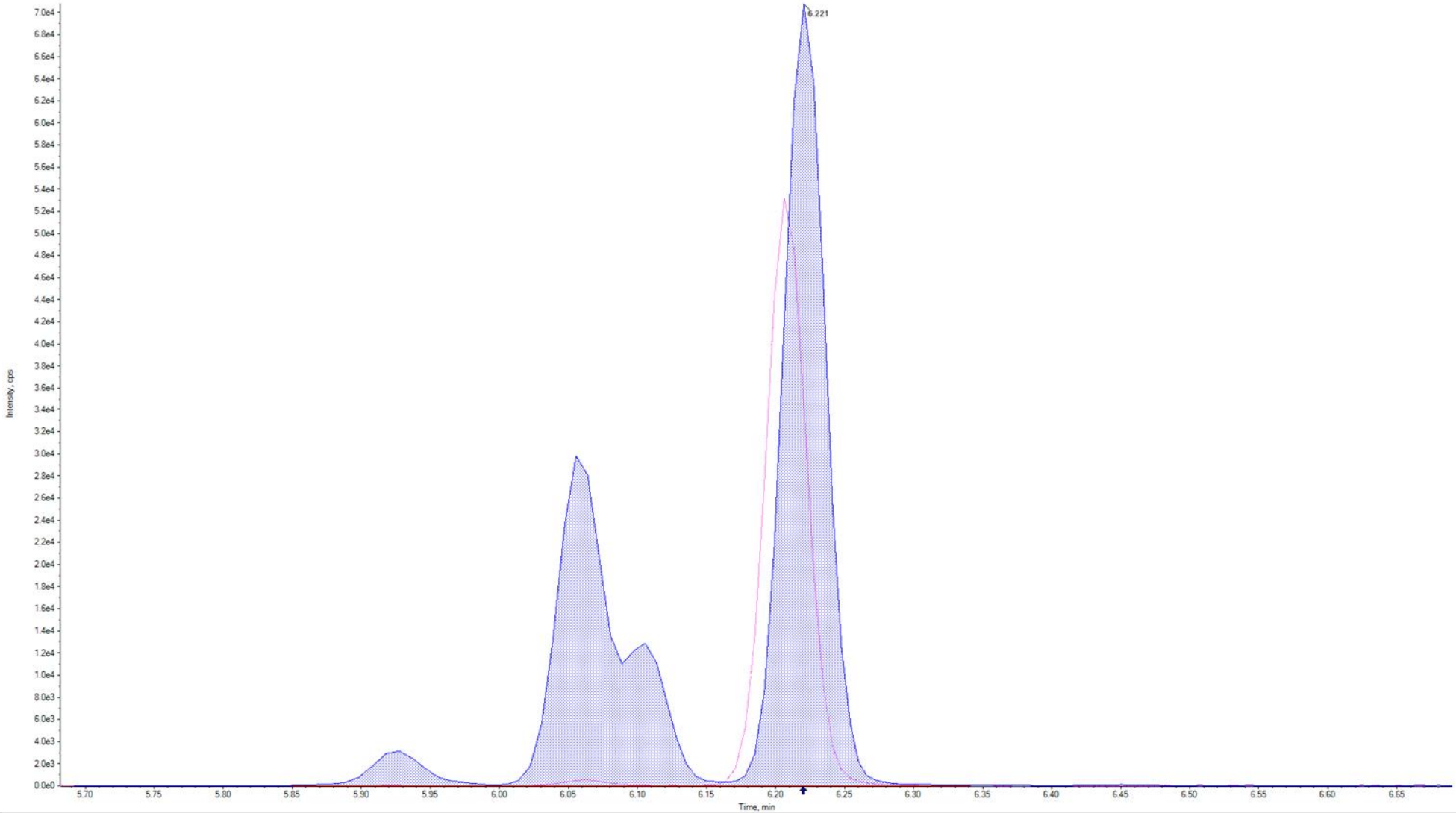
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NMeFOSA_2
Sample: IA1633STD-5 S/N:222.8 Points Across peak:56

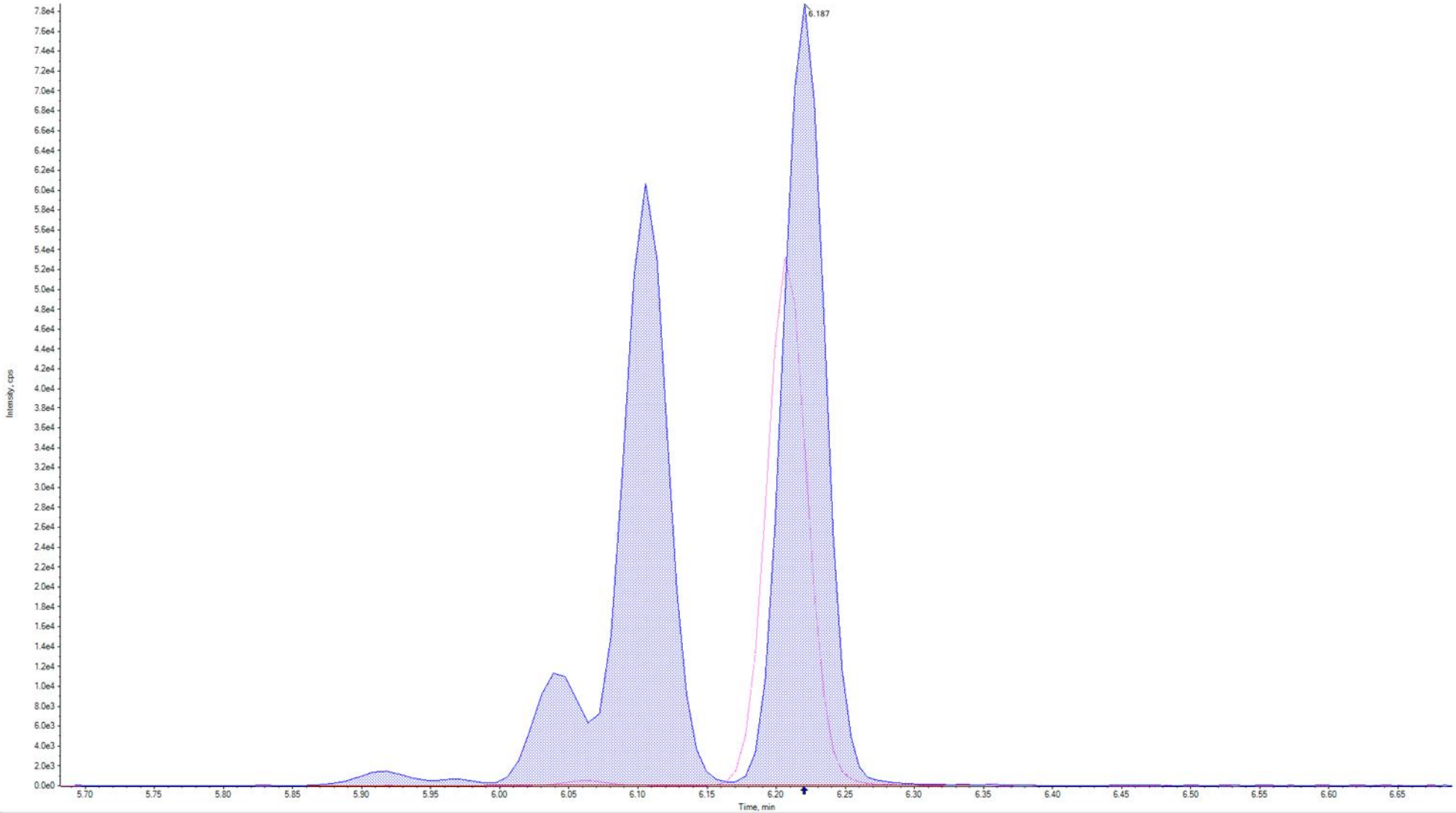


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_15.wiff2_5
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NEtFOSA
Sample: IA1633STD-5 S/N:702.2 Points Across peak:68

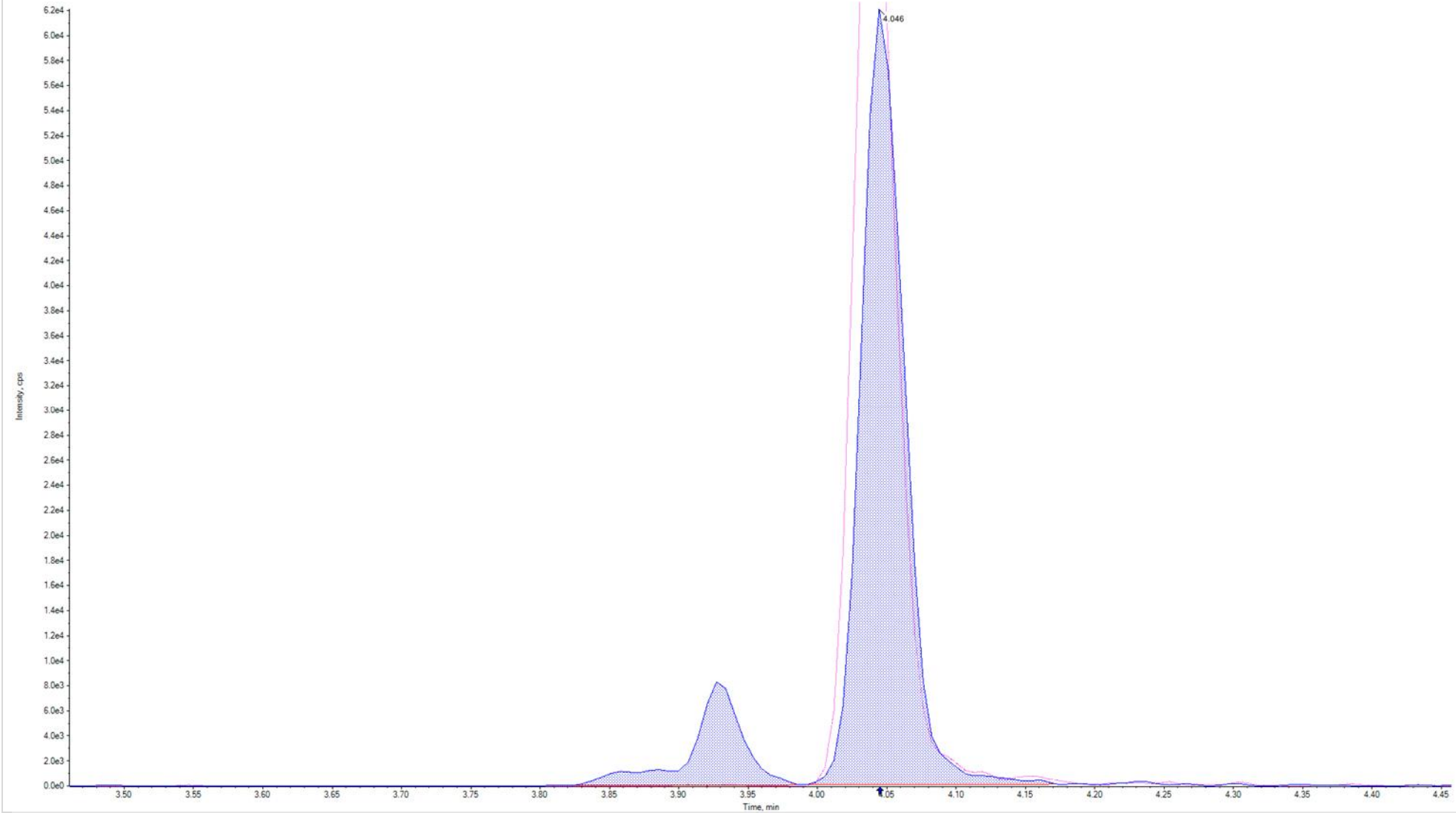


NEtFOSA_2
Sample: IA1633STD-5 S/N:618.1 Points Across peak:67



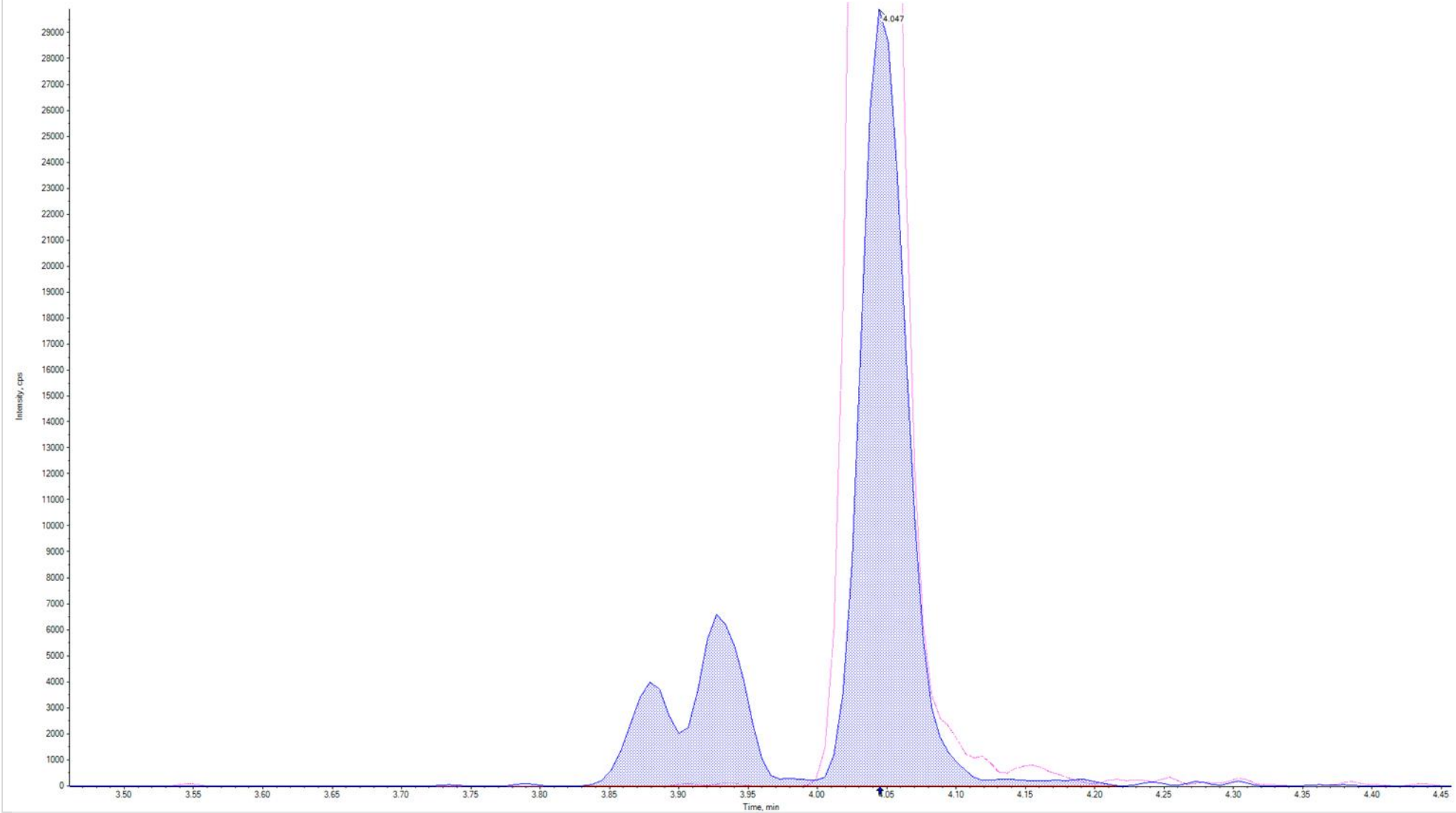
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_15.wiff2_5
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NMeFOSAA
Sample: IA1633STD-5 S/N:421.2 Points Across peak:56



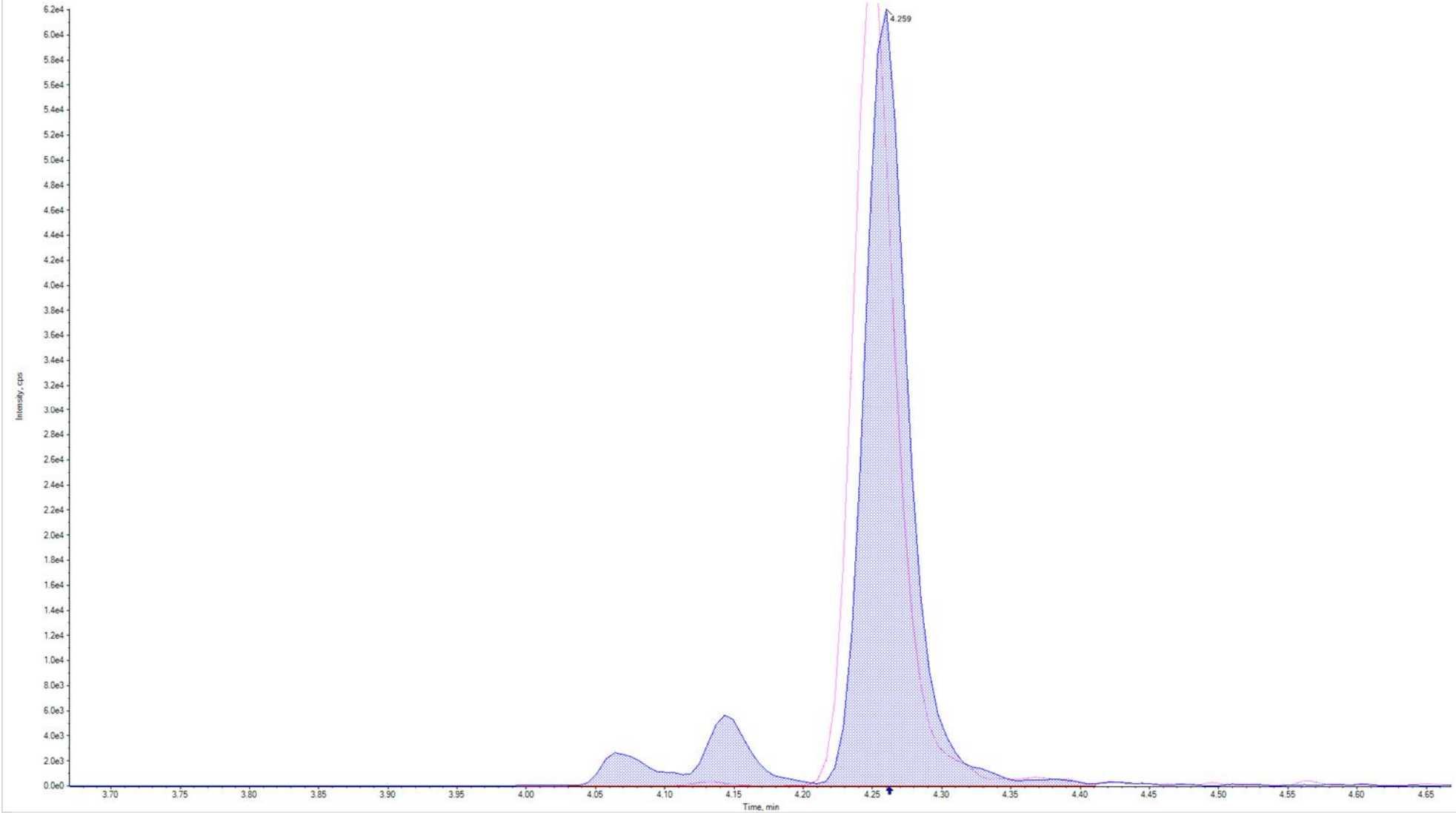
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NMeFOSAA_2
Sample: IA1633STD-5 S/N:258.7 Points Across peak:64



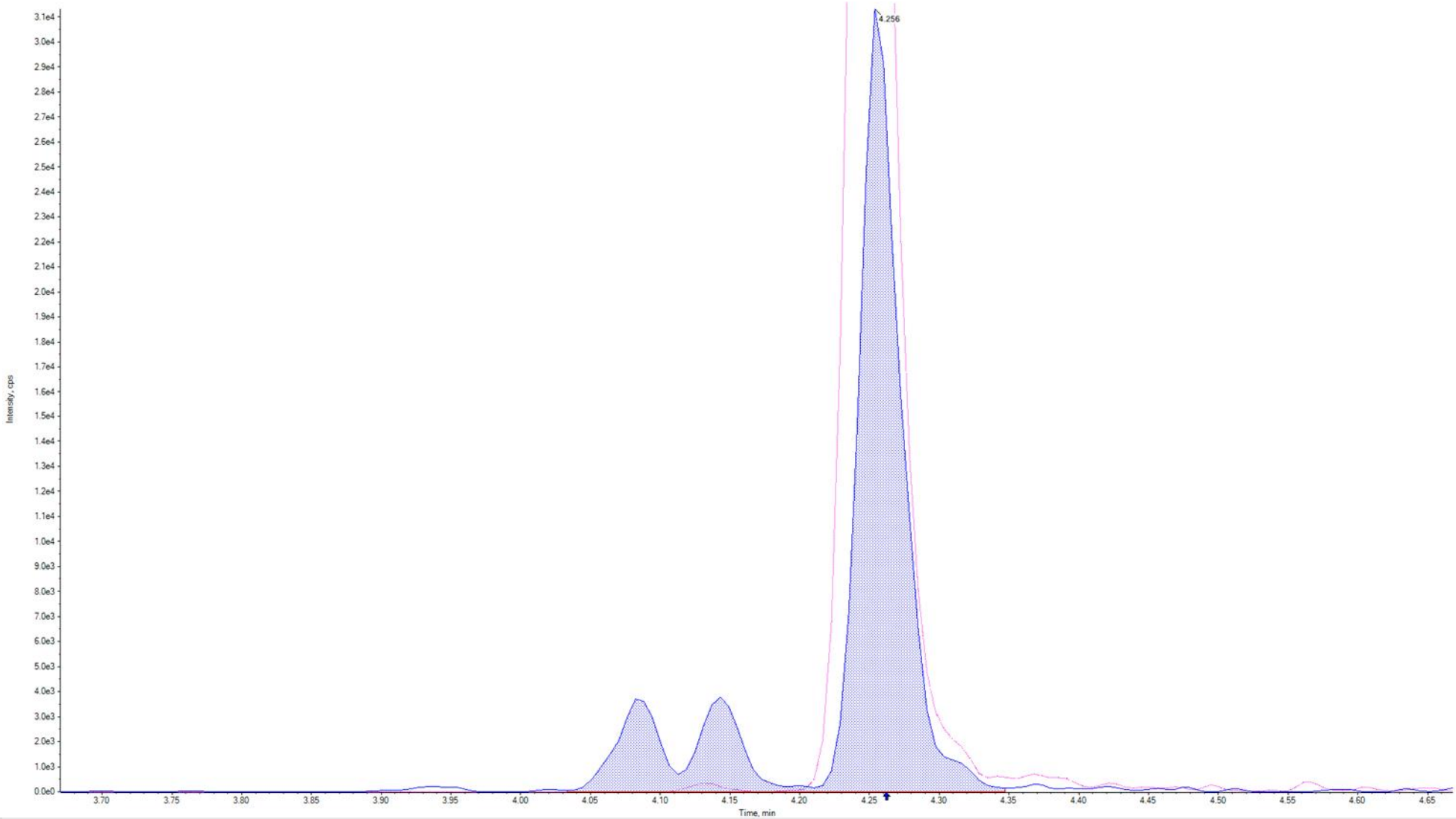
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NEtFOSAA
Sample: IA1633STD-5 S/N:360.9 Points Across peak:64



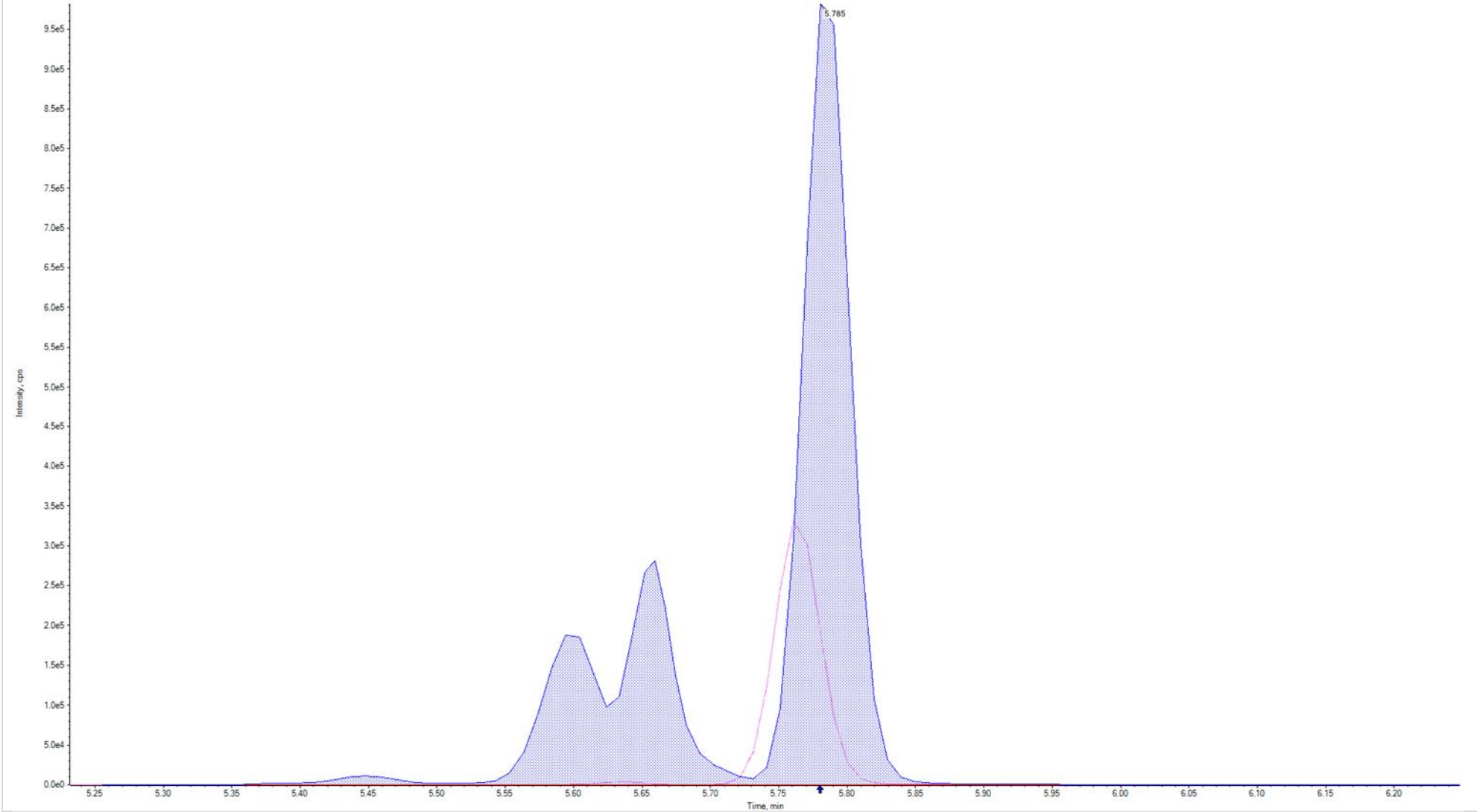
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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NEtFOSAA_2
Sample: IA1633STD-5 S/N:346.2 Points Across peak:52



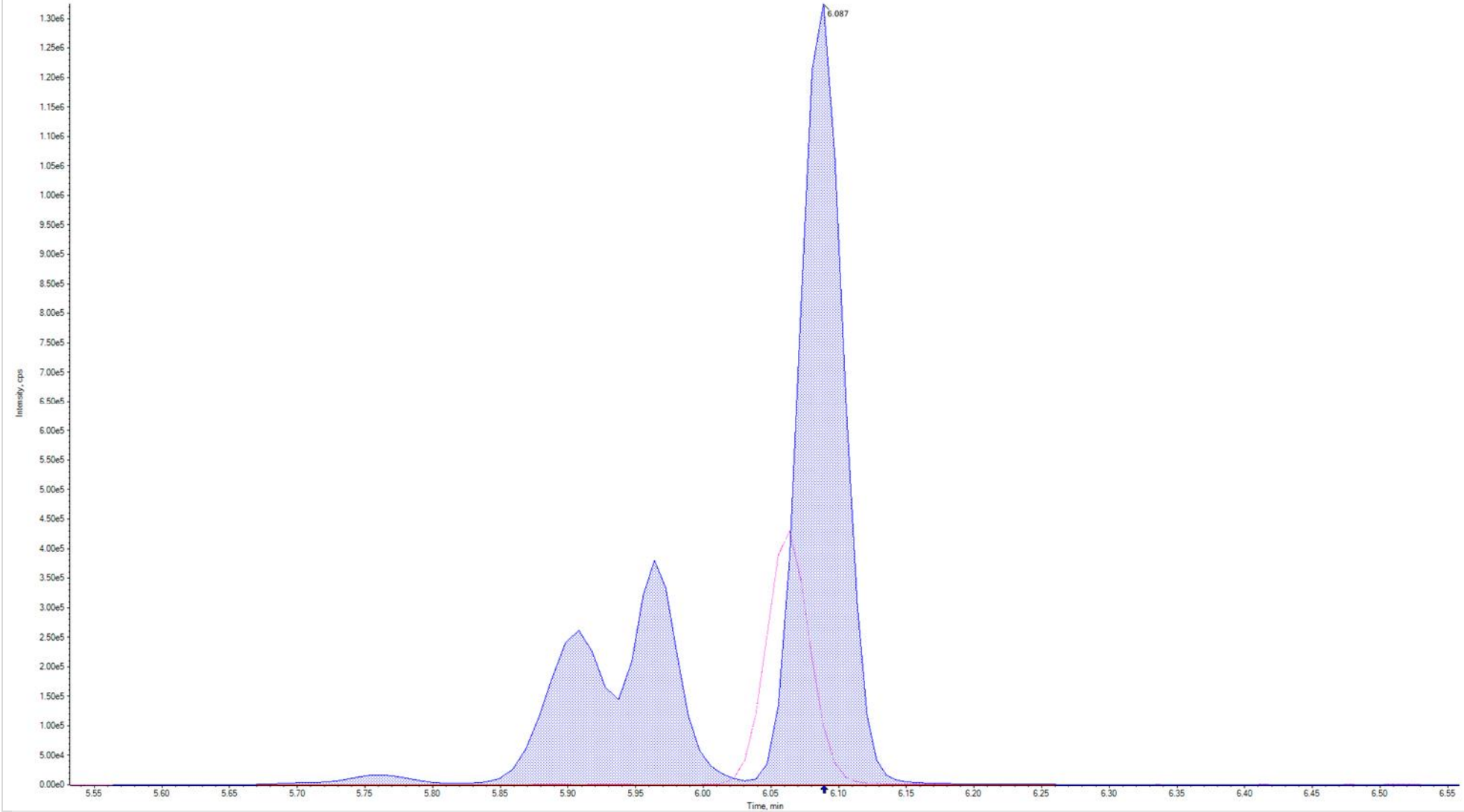
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NMeFOSE
Sample: IA1633STD-5 S/N:189.0 Points Across peak:70



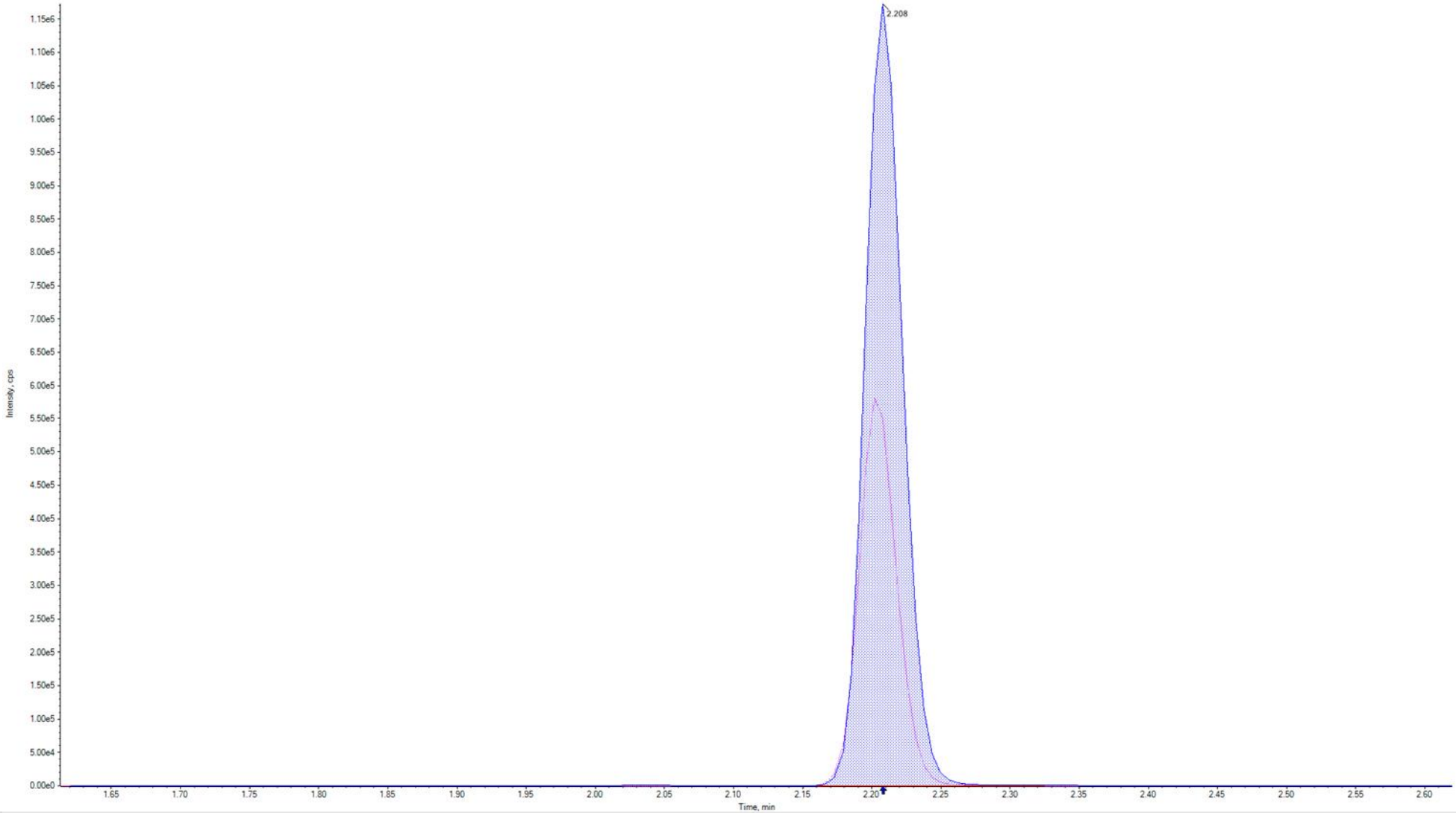
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NEtFOSE
Sample: IA1633STD-5 S/N:382.3 Points Across peak:76



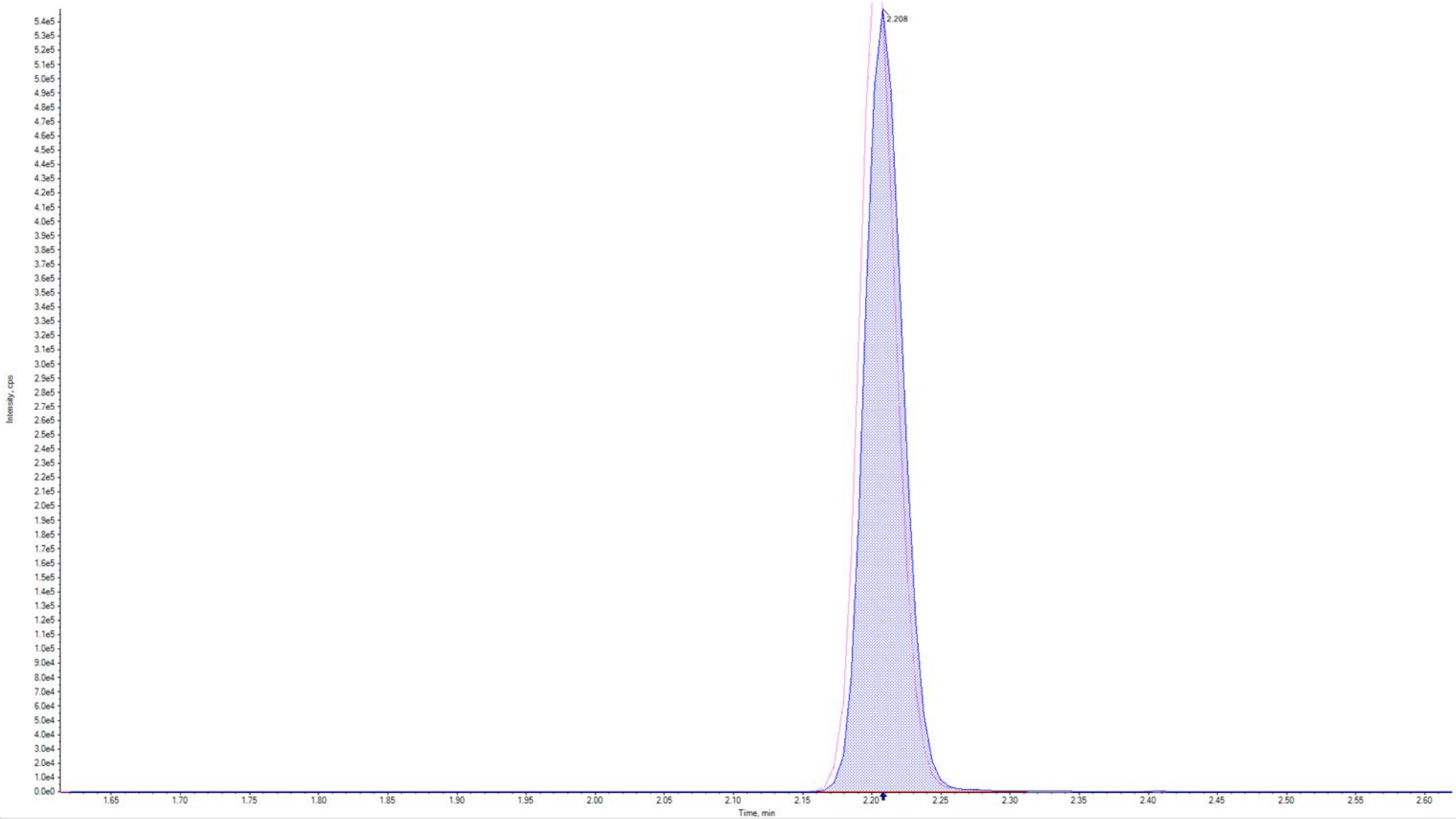
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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HFPO-DA
Sample: IA1633STD-5 S/N:6293.9 Points Across peak:30



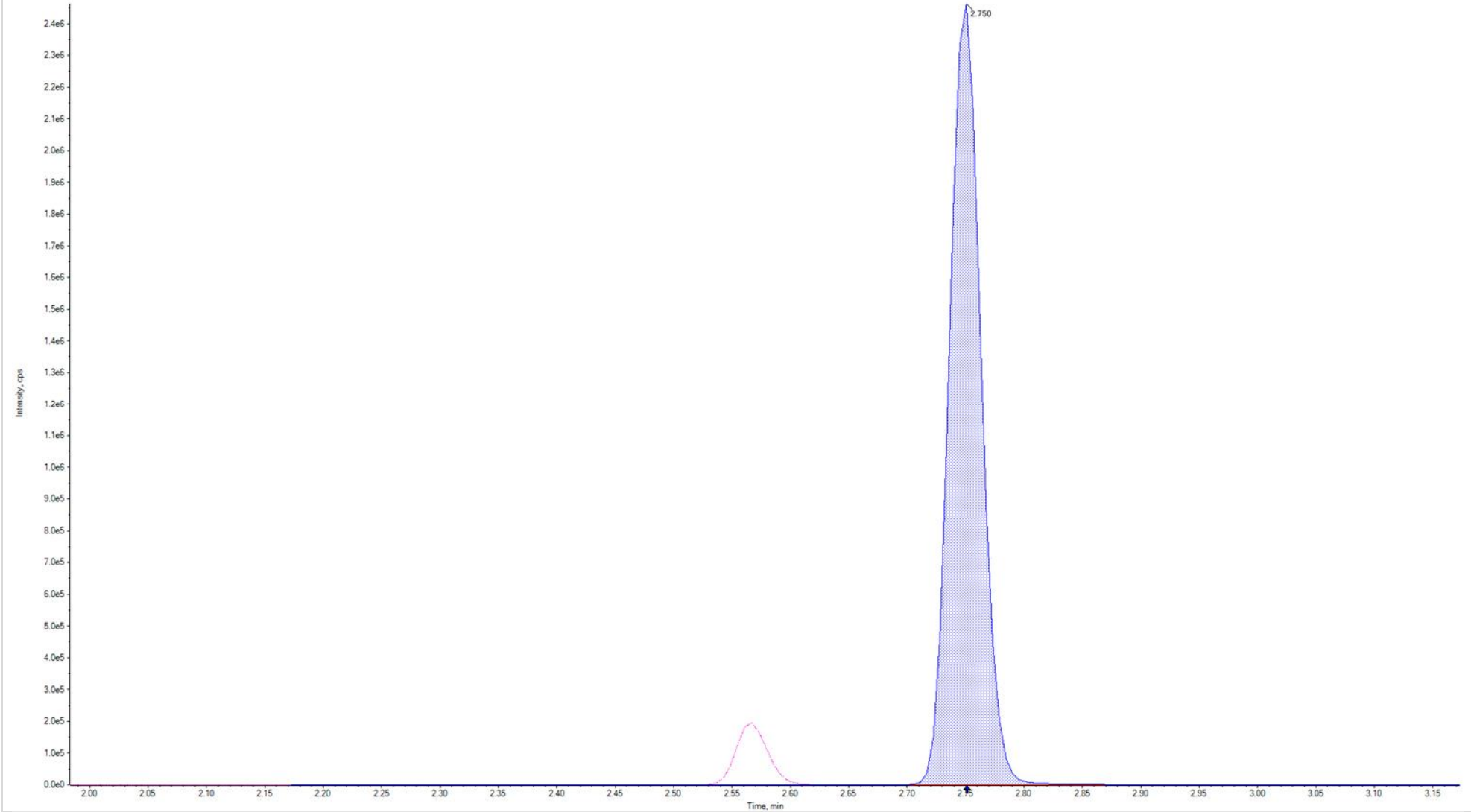
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Alpha Analytical LLC
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HFPO-DA_2
Sample: IA1633STD-5 S/N:4996.0 Points Across peak:28



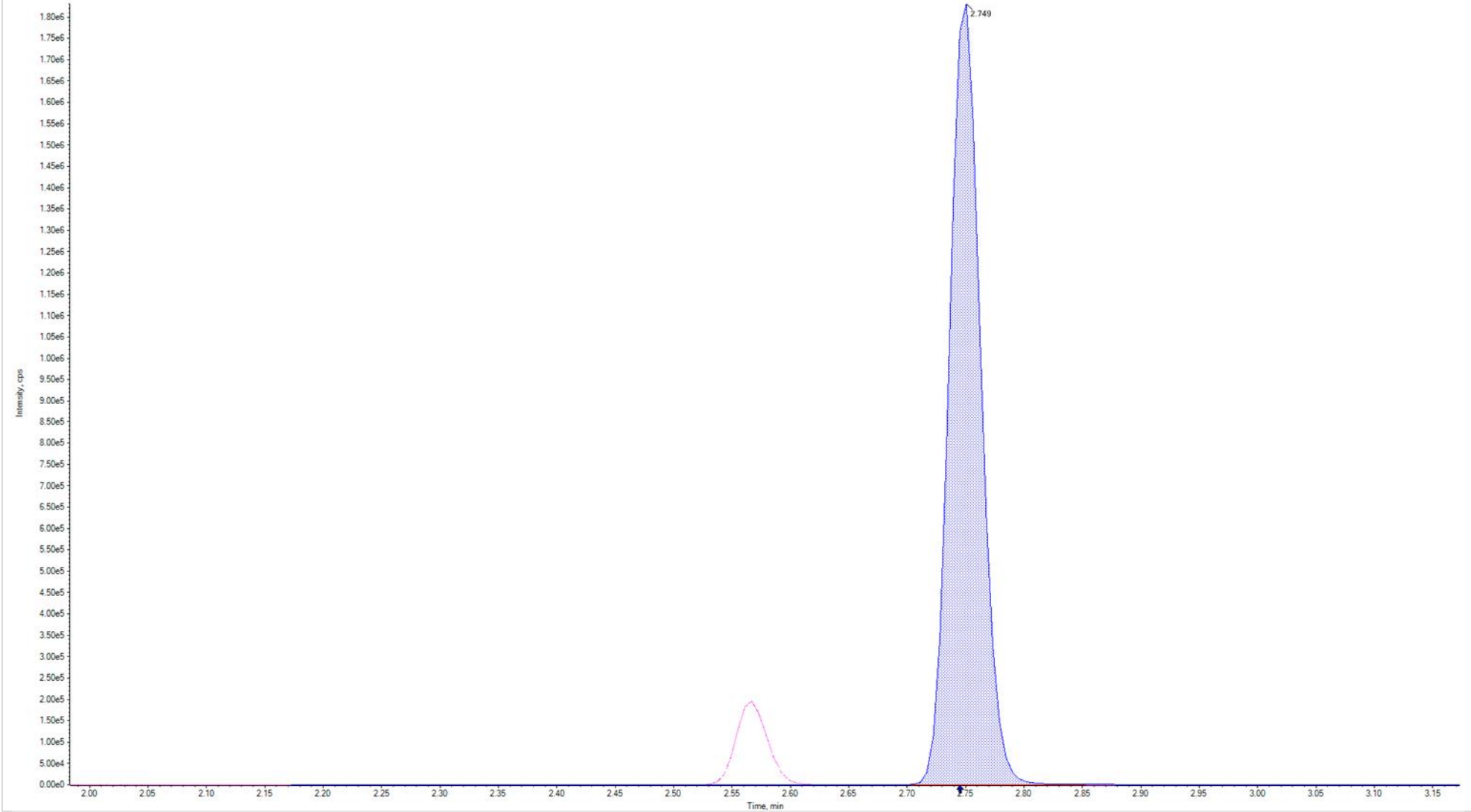
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

ADONA
Sample: IA1633STD-5 S/N:6786.5 Points Across peak:44



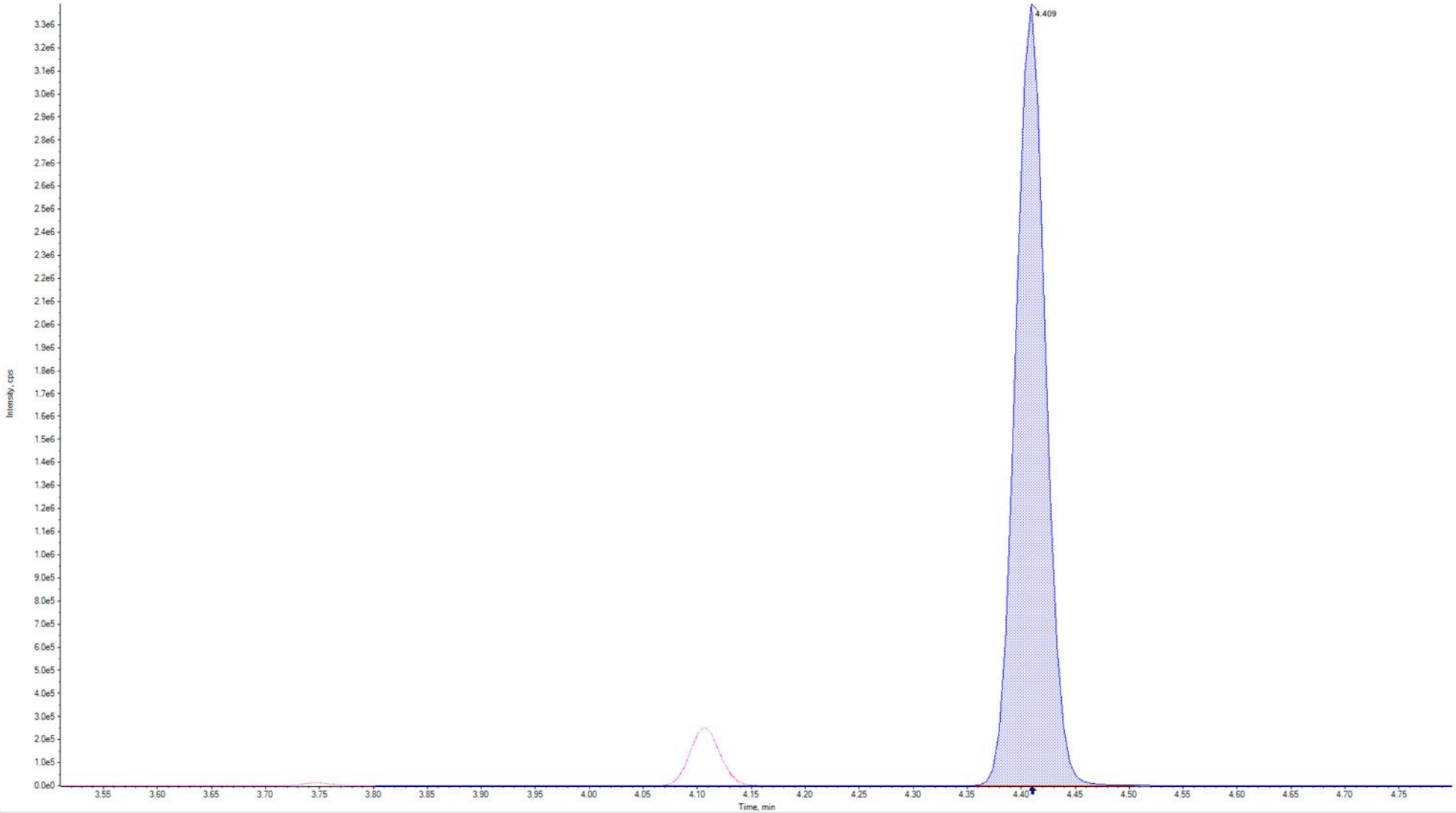
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Alpha Analytical LLC
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ADONA_2
Sample: IA1633STD-5 S/N:6713.5 Points Across peak:35



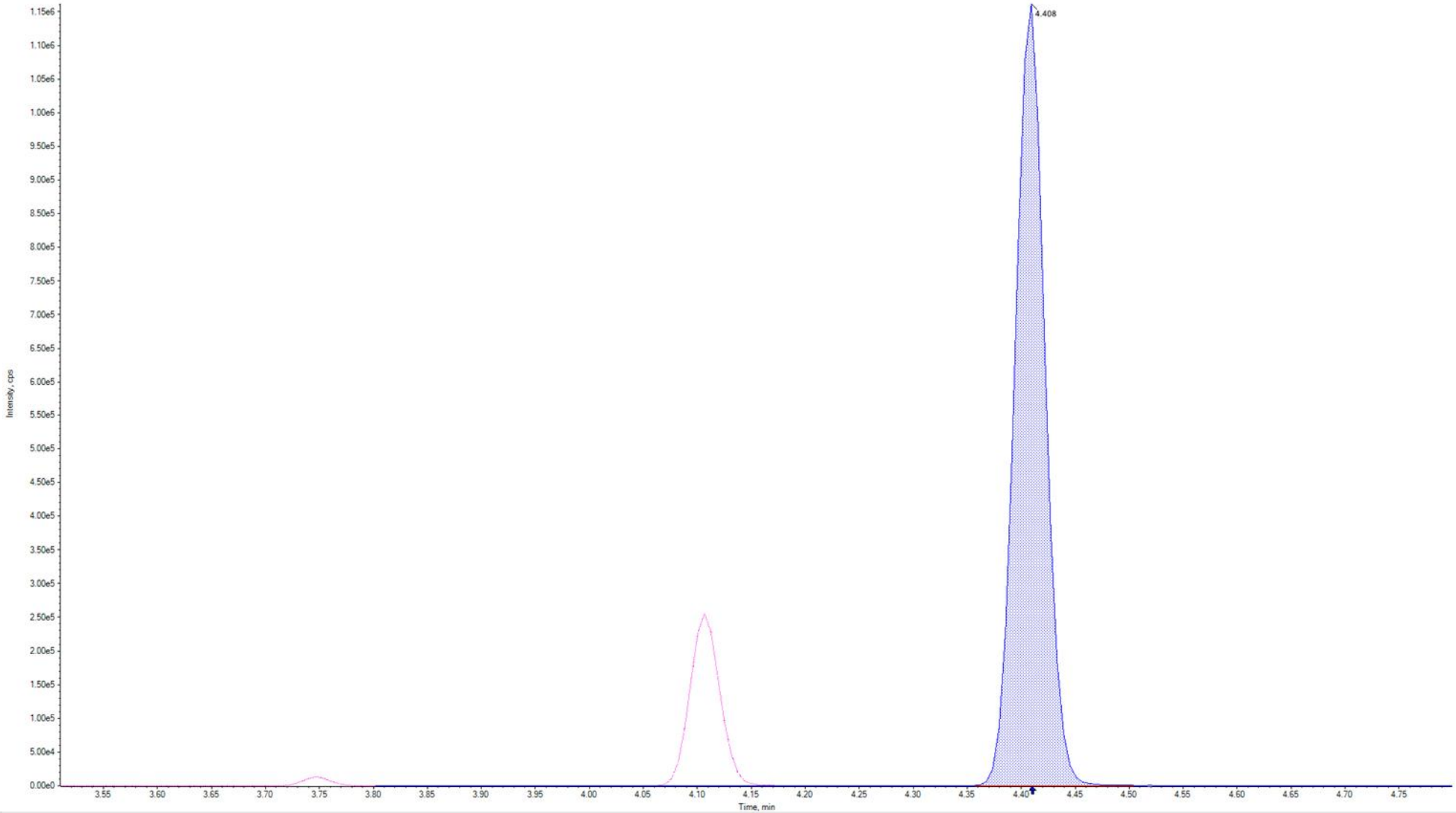
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Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

9Cl-PF3ONS
Sample: IA1633STD-5 S/N:8889.3 Points Across peak:31



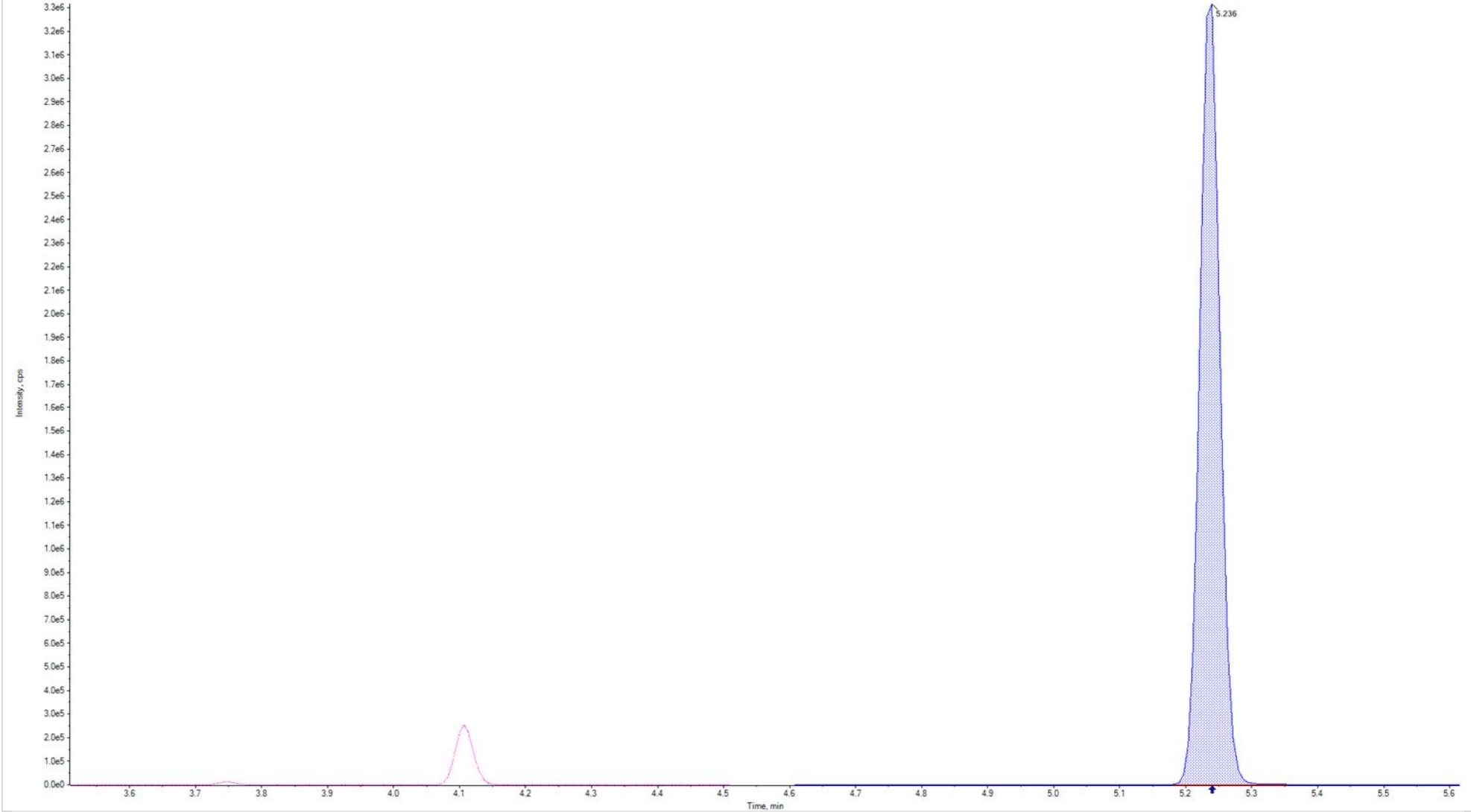
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

9Cl-PF3ONS_2
Sample: IA1633STD-5 S/N:10194.6 Points Across peak:34



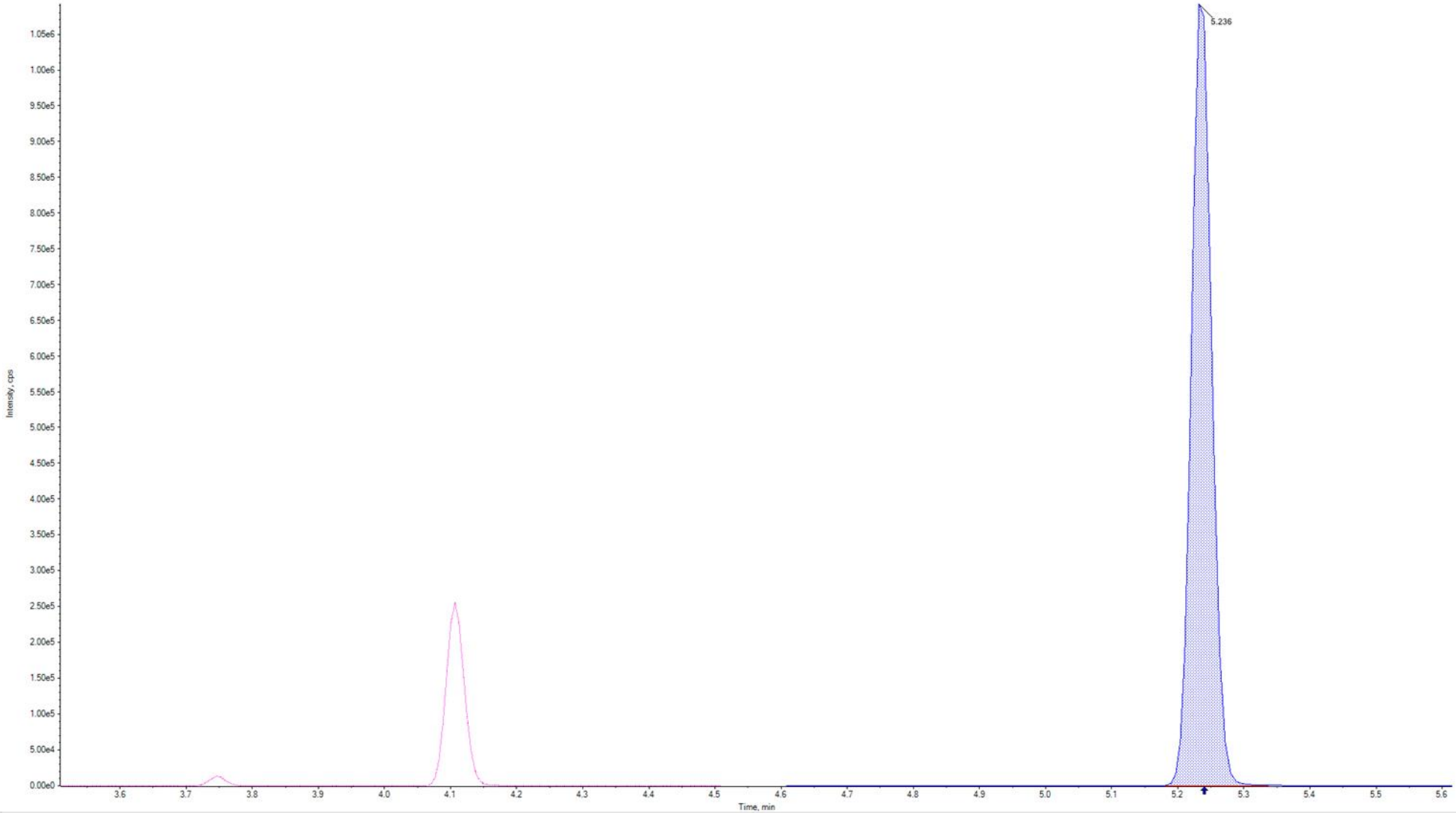
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Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

11Cl-PF3OUdS
Sample: IA1633STD-5 S/N:157917.0 Points Across peak:40



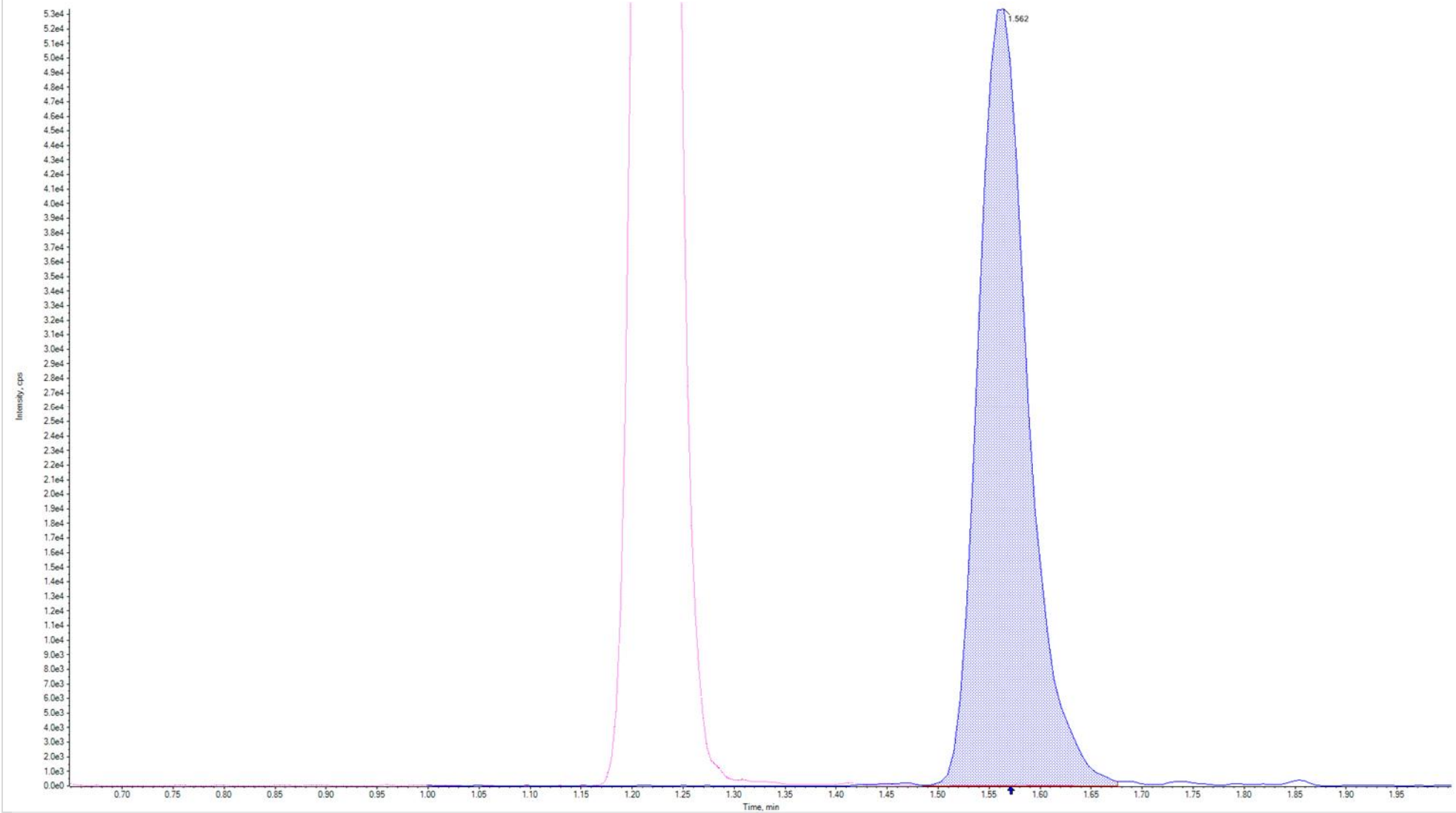
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

11Cl-PF3OUdS_2
Sample: IA1633STD-5 S/N:15070.6 Points Across peak:26



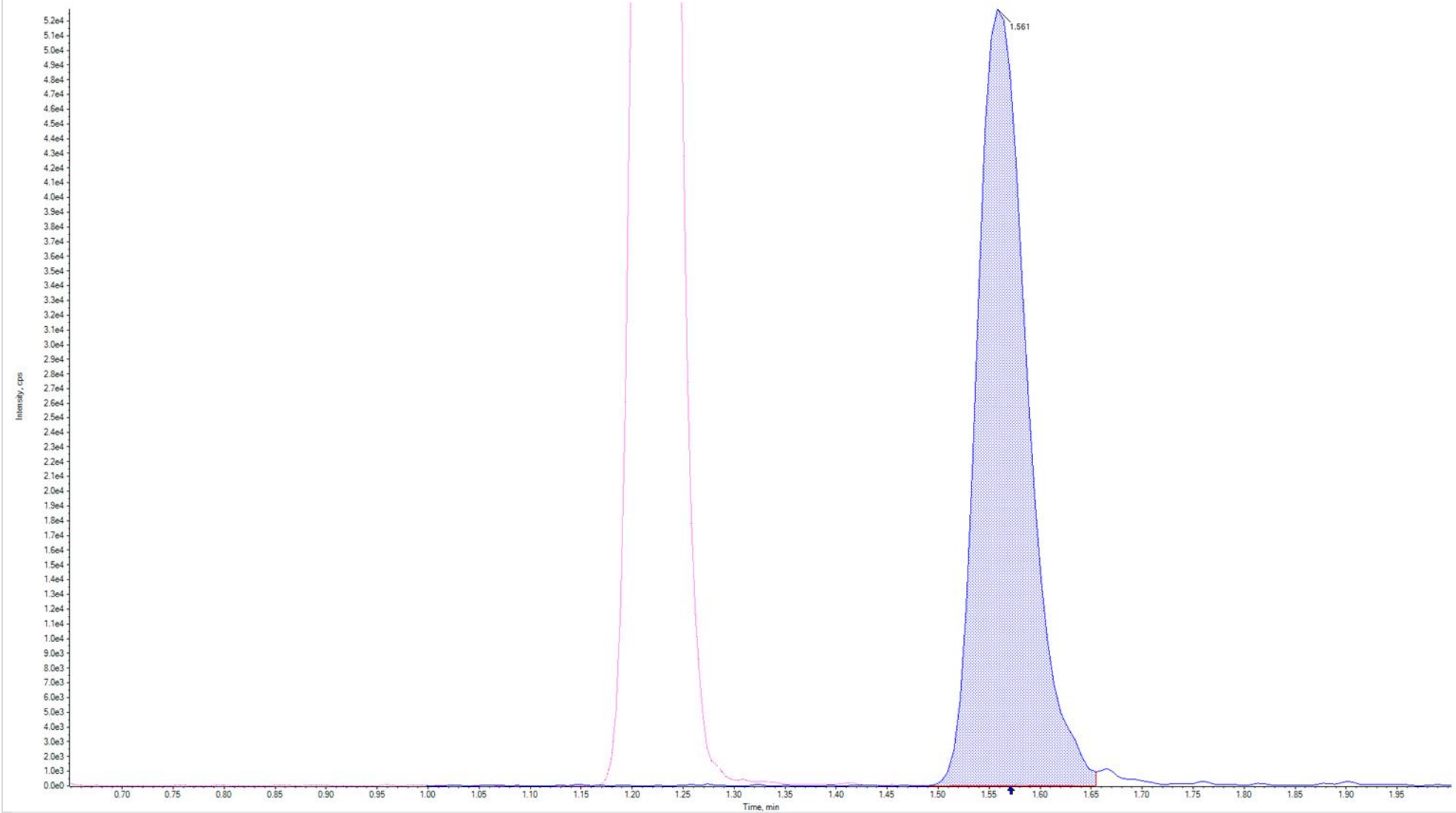
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_15.wiff2_5
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

3:3FTCA
Sample: IA1633STD-5 S/N:1337.5 Points Across peak:32



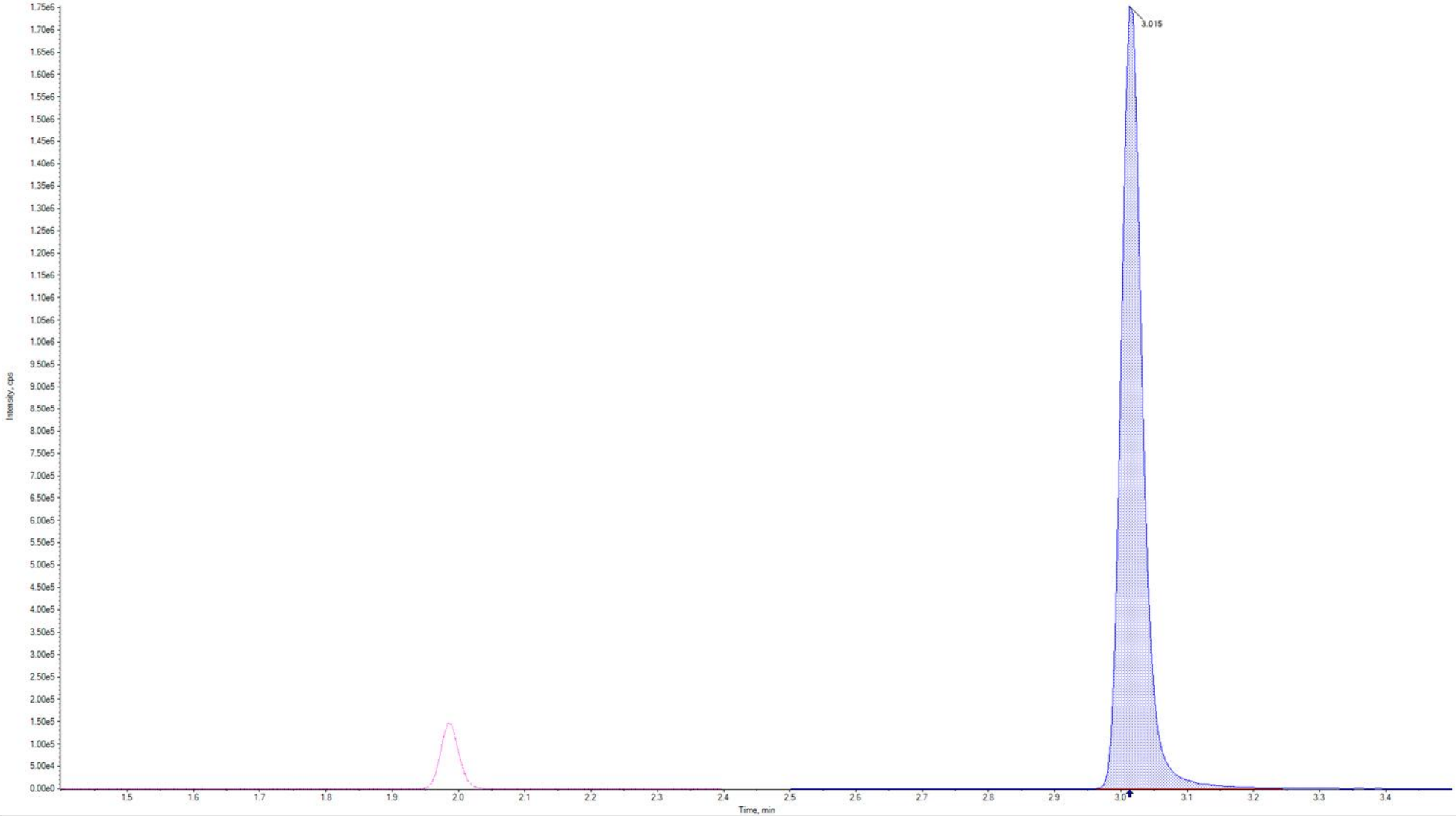
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_15.wiff2_5
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Generated: 12/16/2024 4:06:13 PM

3:3FTCA_2
Sample: IA1633STD-5 S/N:1323.2 Points Across peak:28



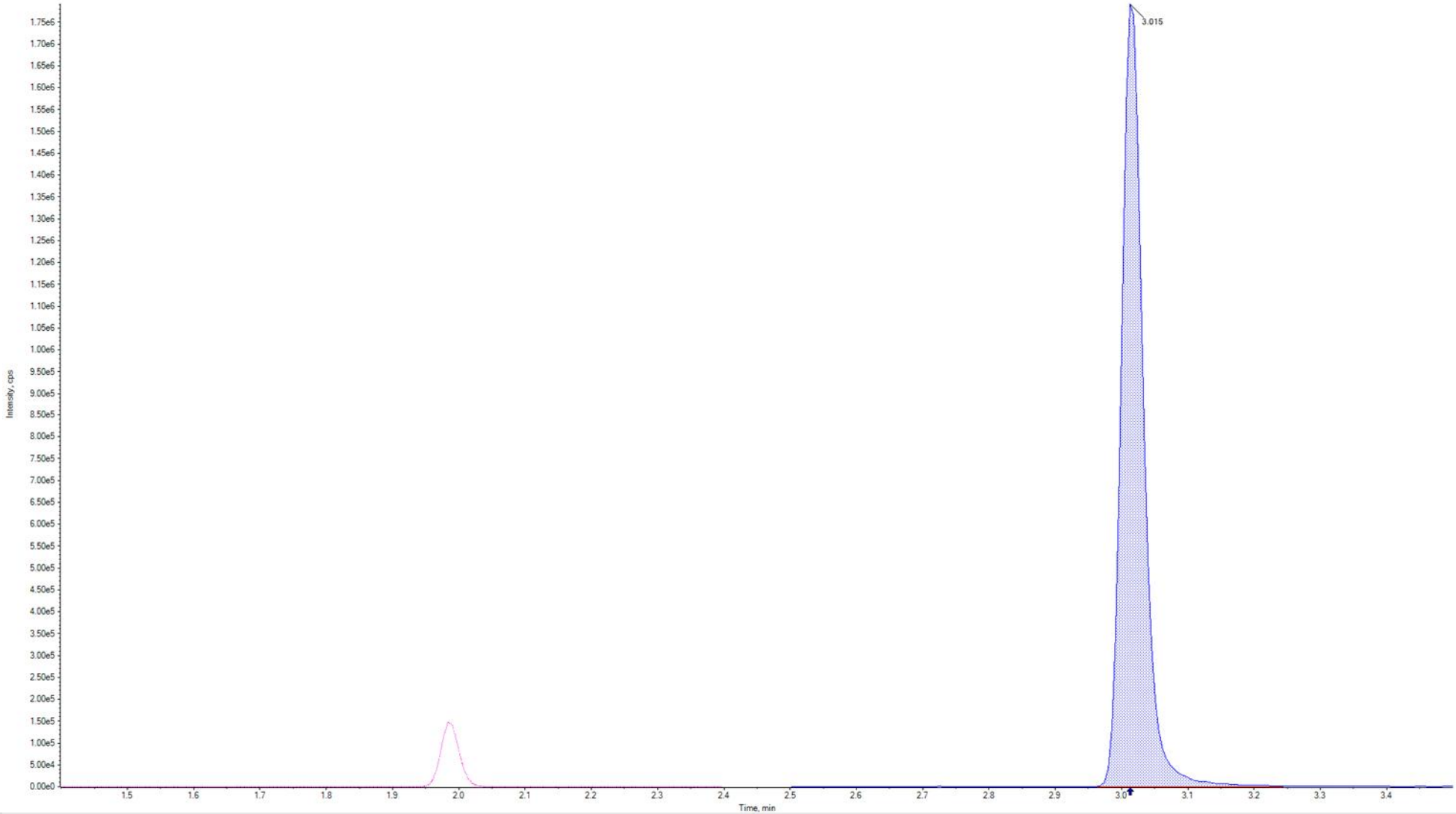
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_15.wiff2_5
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

5:3FTCA
Sample: IA1633STD-5 S/N:39545.7 Points Across peak:55



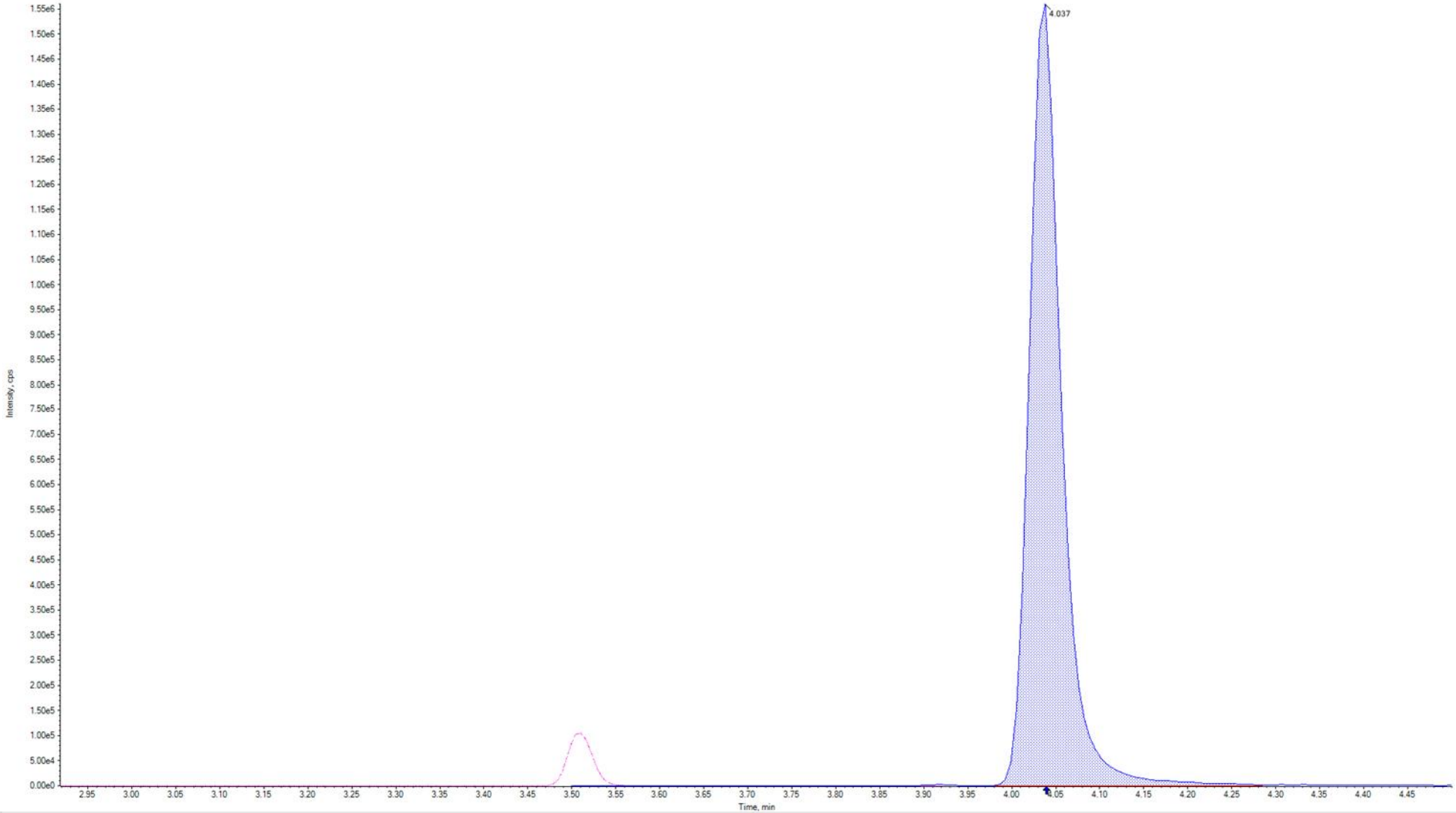
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_15.wiff2_5
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

5:3FTCA_2
Sample: IA1633STD-5 S/N:40417.4 Points Across peak:54



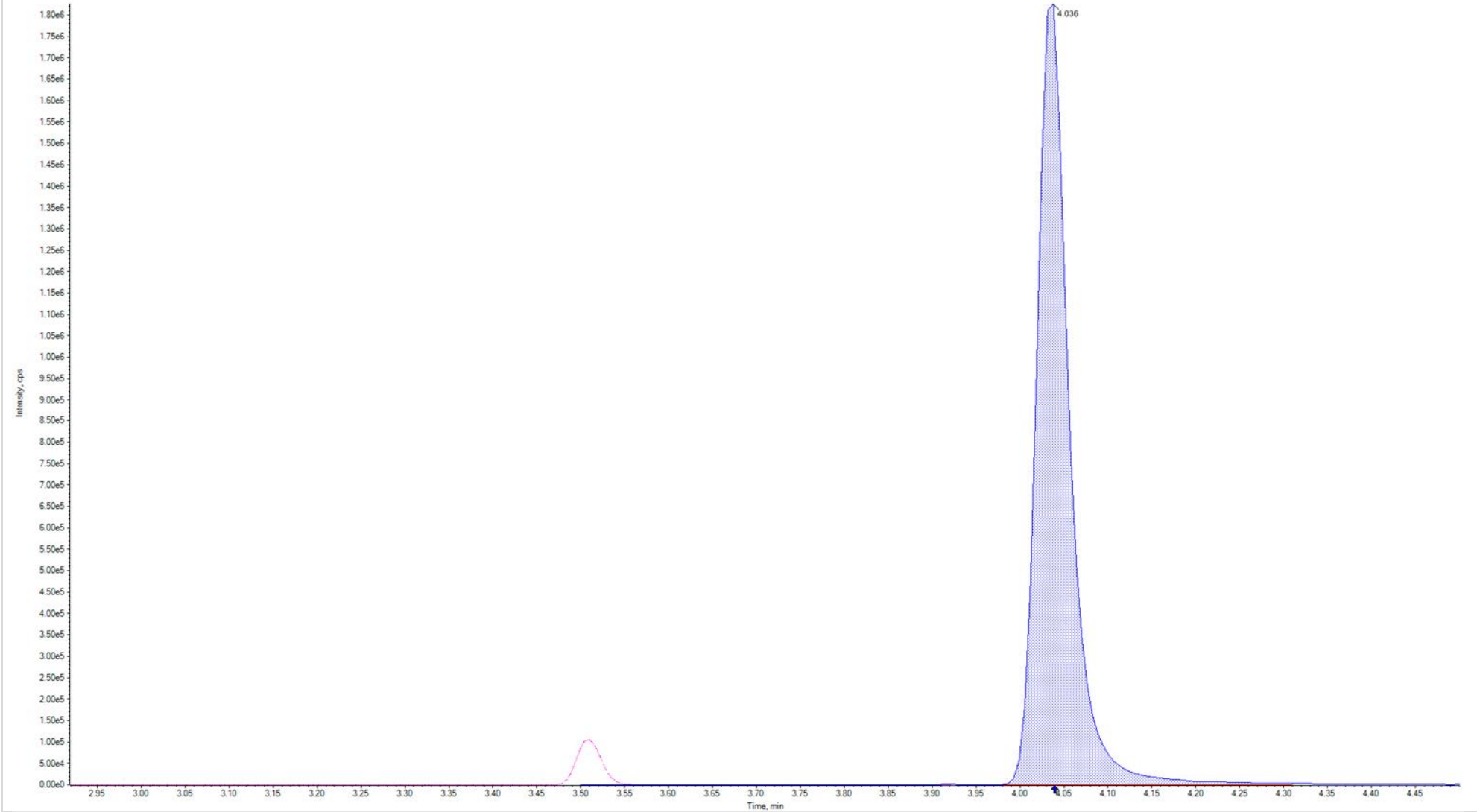
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

7:3FTCA
Sample: IA1633STD-5 S/N:34637.6 Points Across peak:51



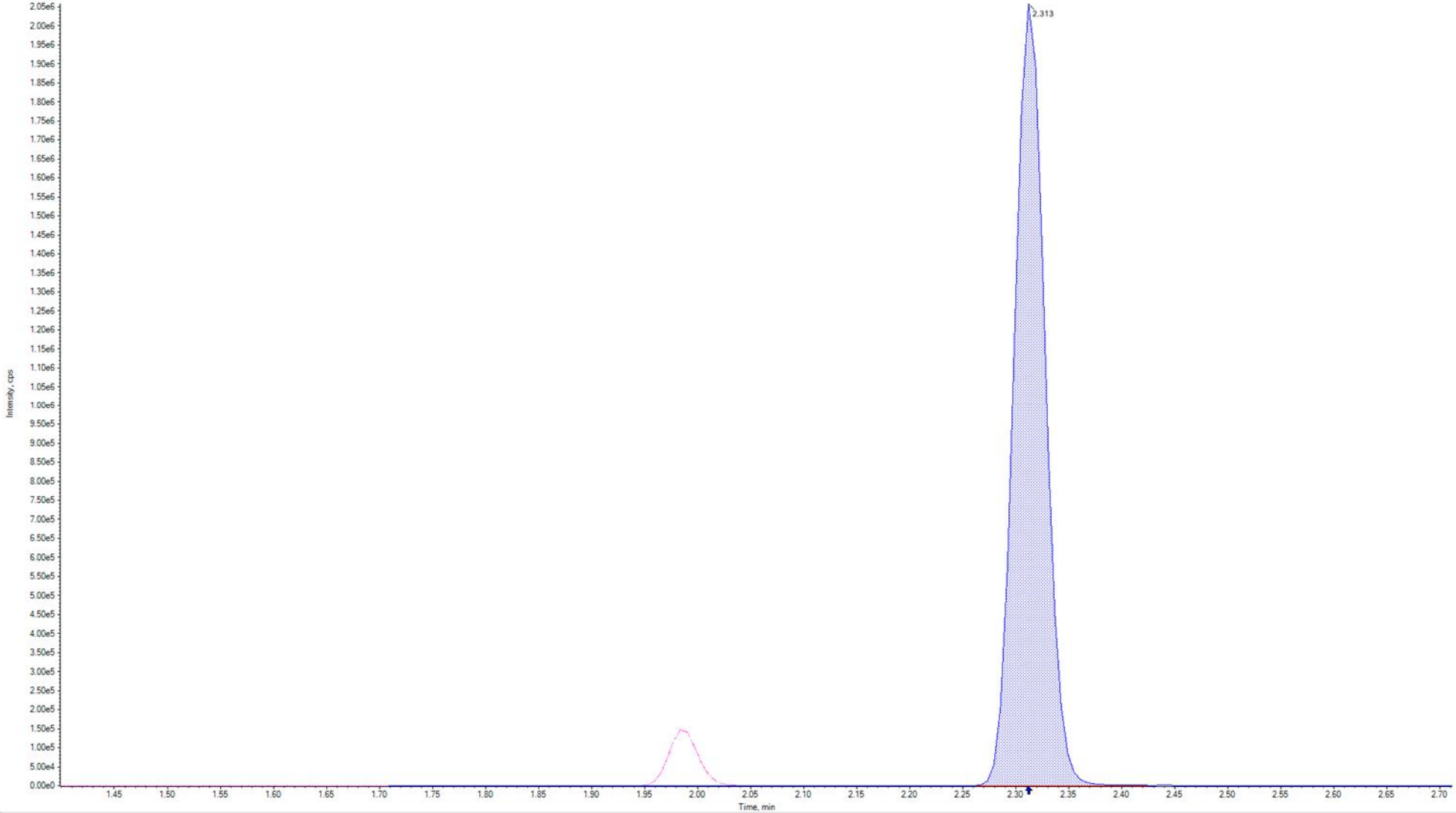
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Alpha Analytical LLC
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7:3FTCA_2
Sample: IA1633STD-5 S/N:50341.8 Points Across peak:55



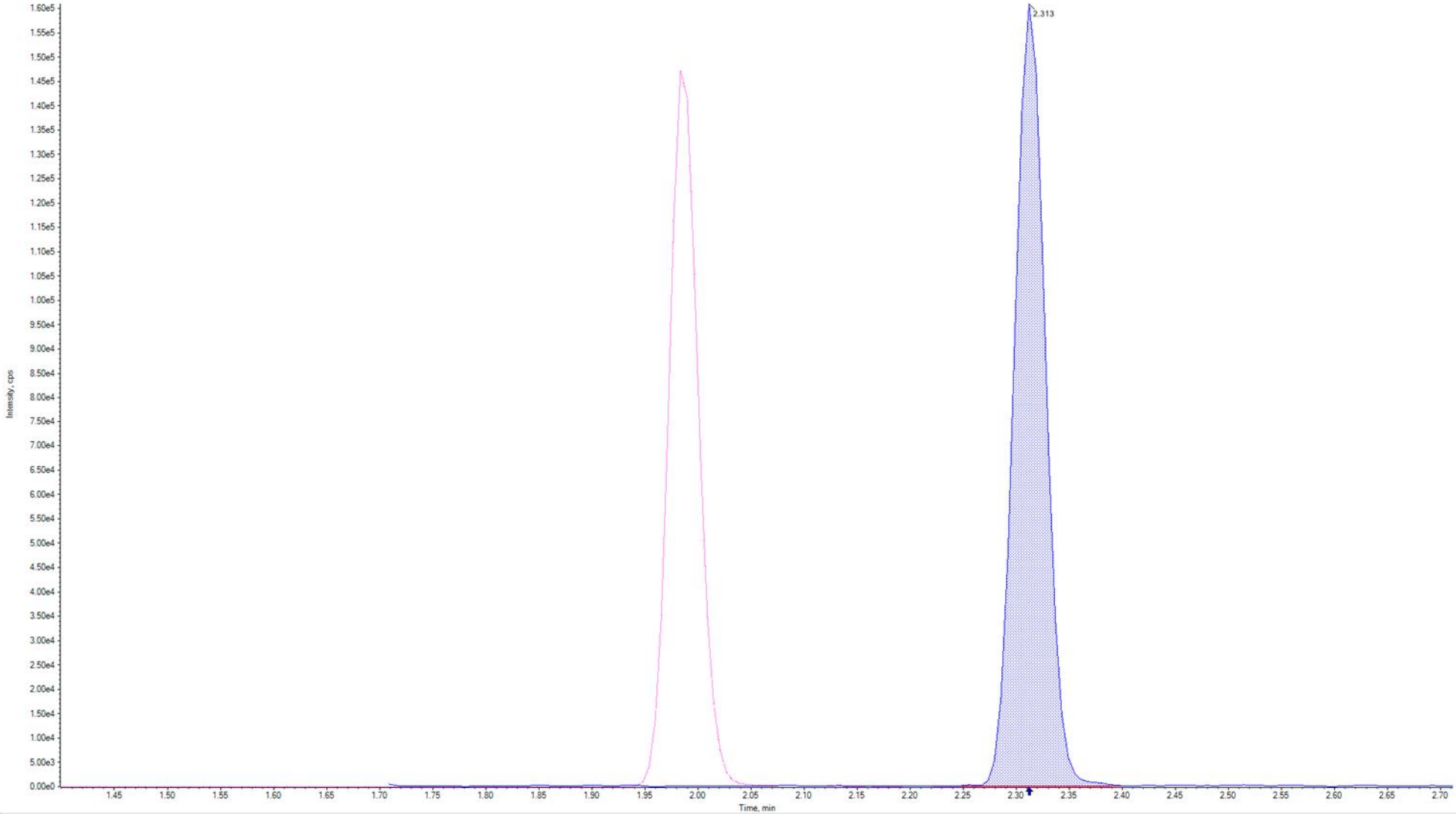
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Alpha Analytical LLC
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PFEESA
Sample: IA1633STD-5 S/N:8309.3 Points Across peak:33



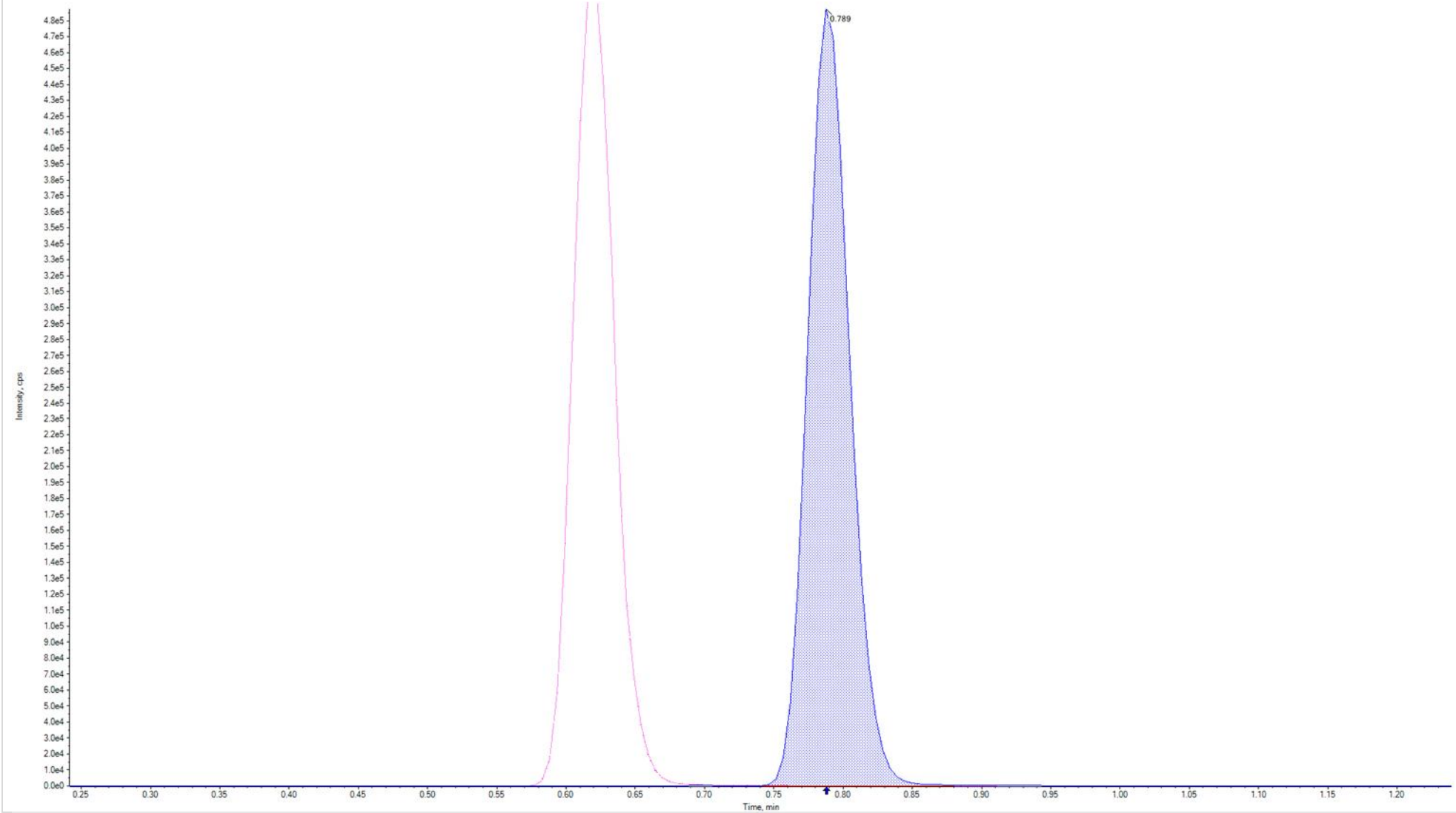
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Alpha Analytical LLC
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PFEESA_2
Sample: IA1633STD-5 S/N:2847.7 Points Across peak:29



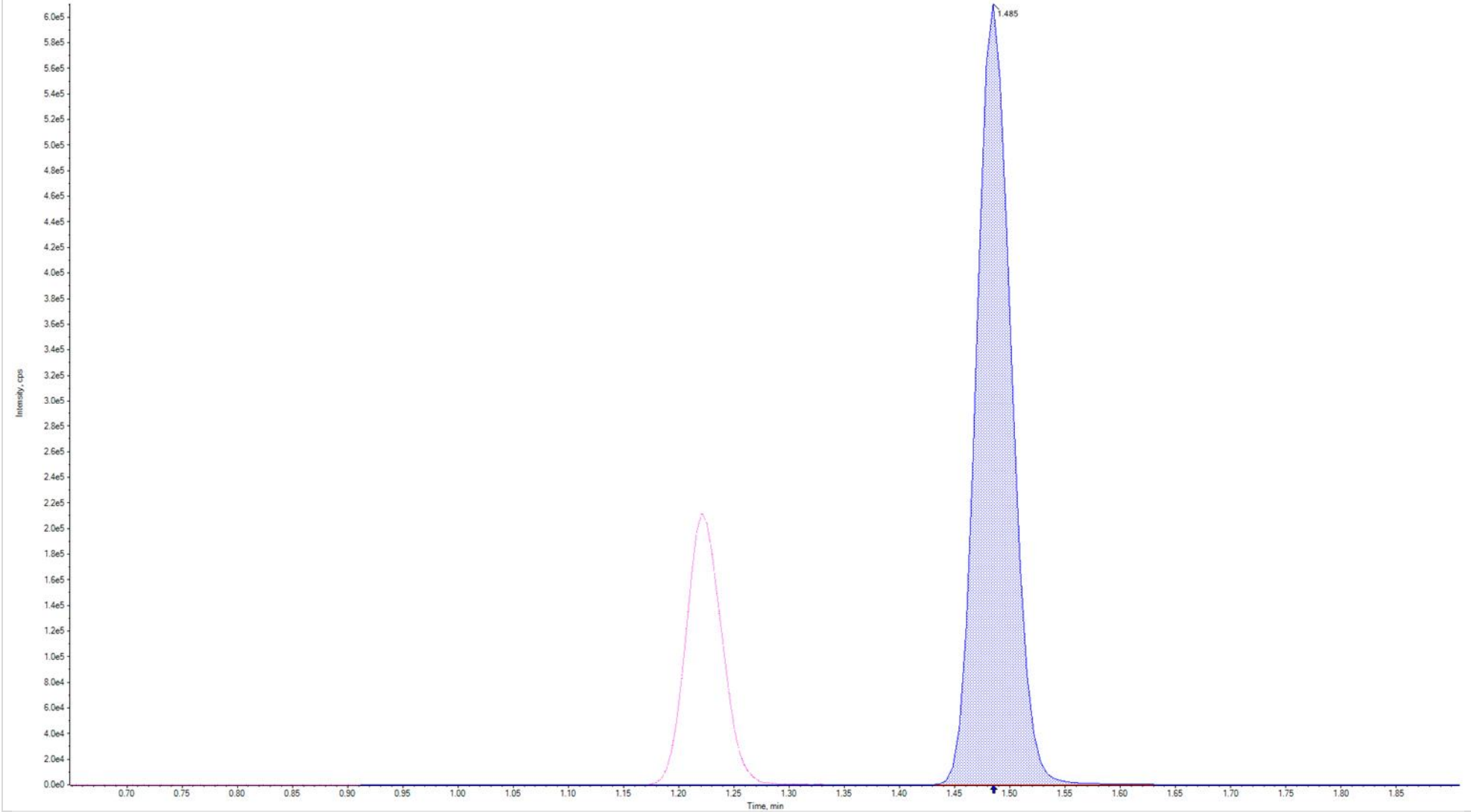
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Alpha Analytical LLC
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PFMPA
Sample: IA1633STD-5 S/N:29513.9 Points Across peak:30



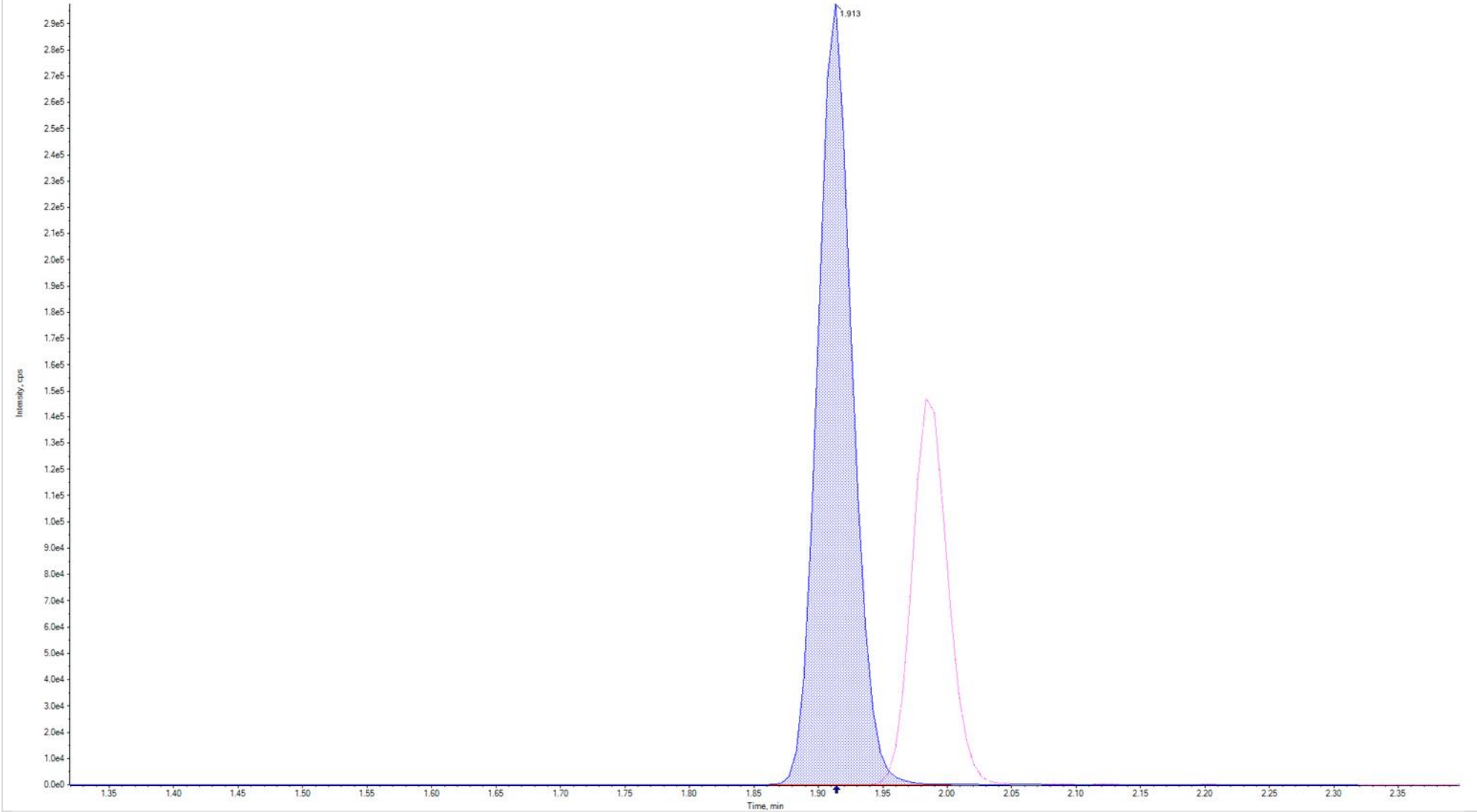
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PFMBA
Sample: IA1633STD-5 S/N:35186.0 Points Across peak:38



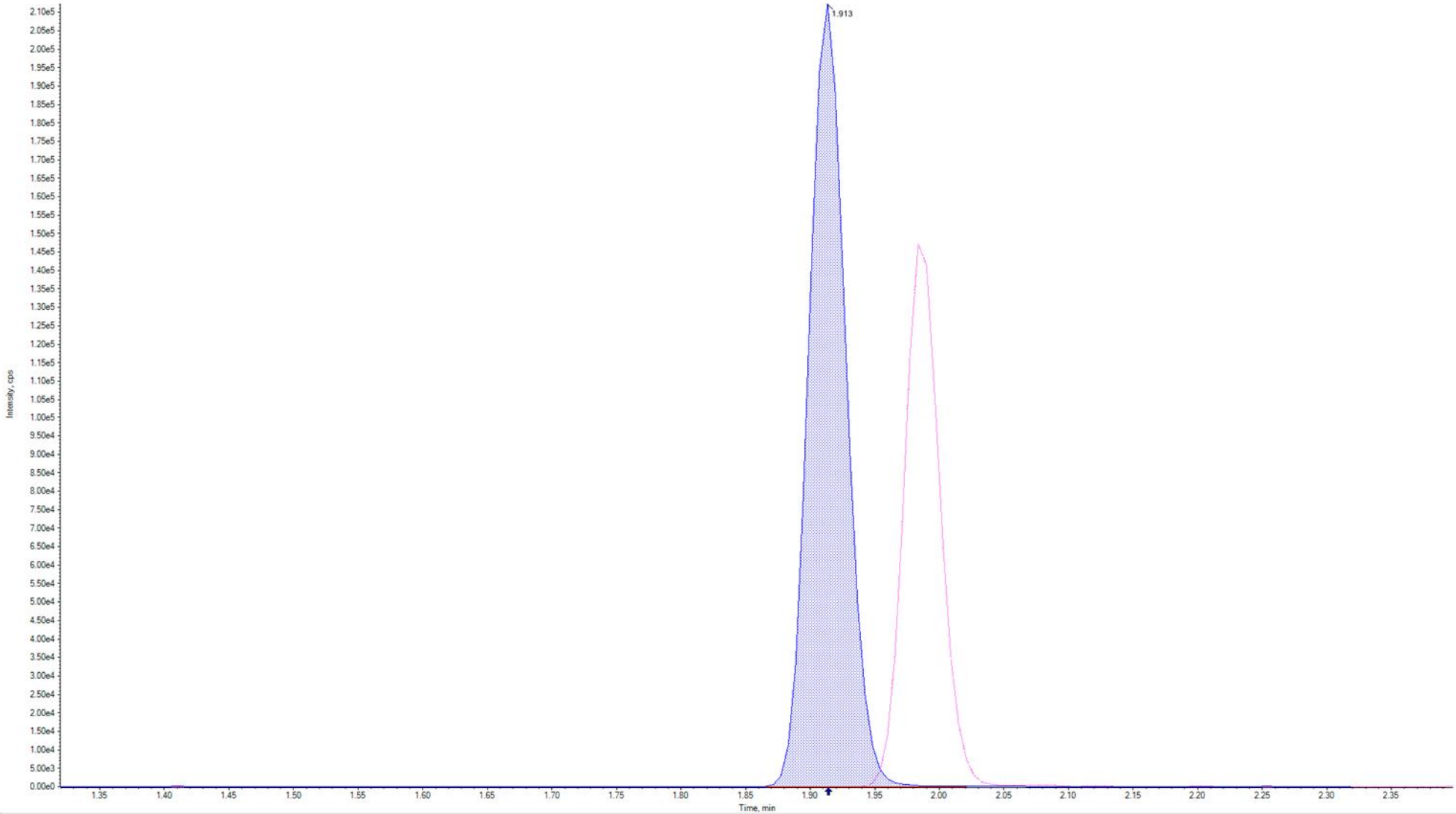
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Alpha Analytical LLC
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NFDHA
Sample: IA1633STD-5 S/N:8202.5 Points Across peak:29



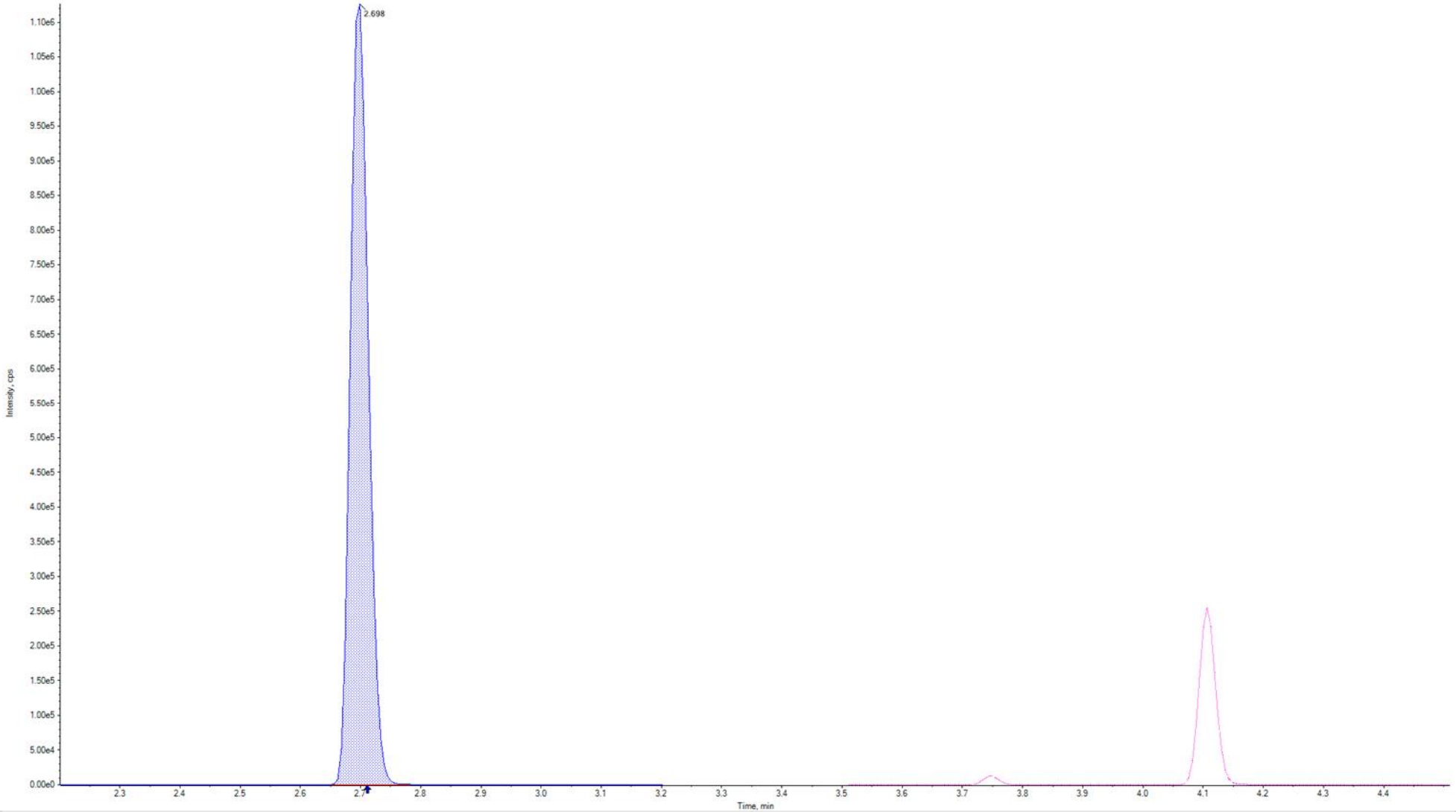
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Alpha Analytical LLC
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NFDHA_2
Sample: IA1633STD-5 S/N:3982.0 Points Across peak:30

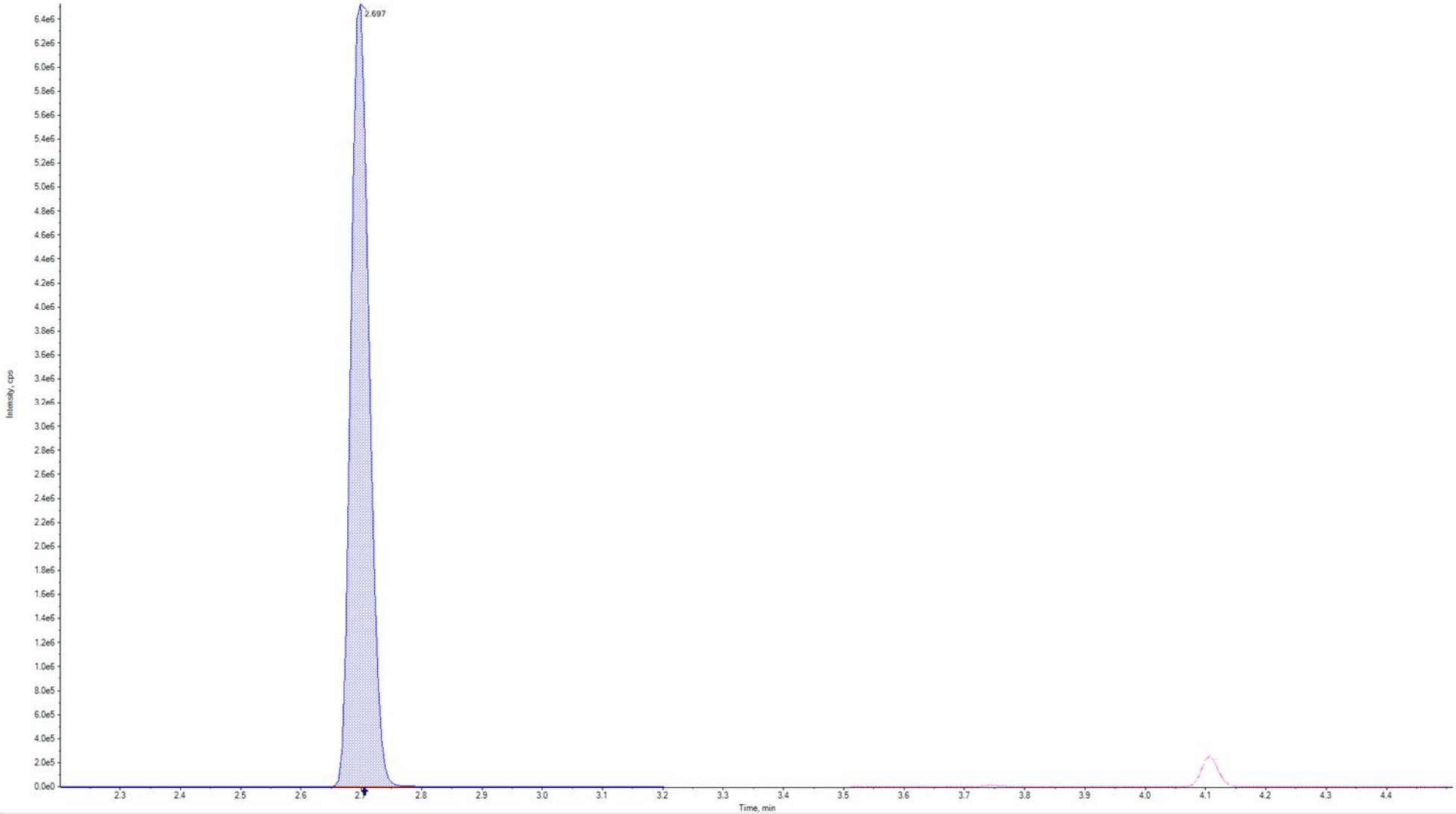


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TDCA
Sample: IA1633STD-5 S/N:11854.9 Points Across peak:31

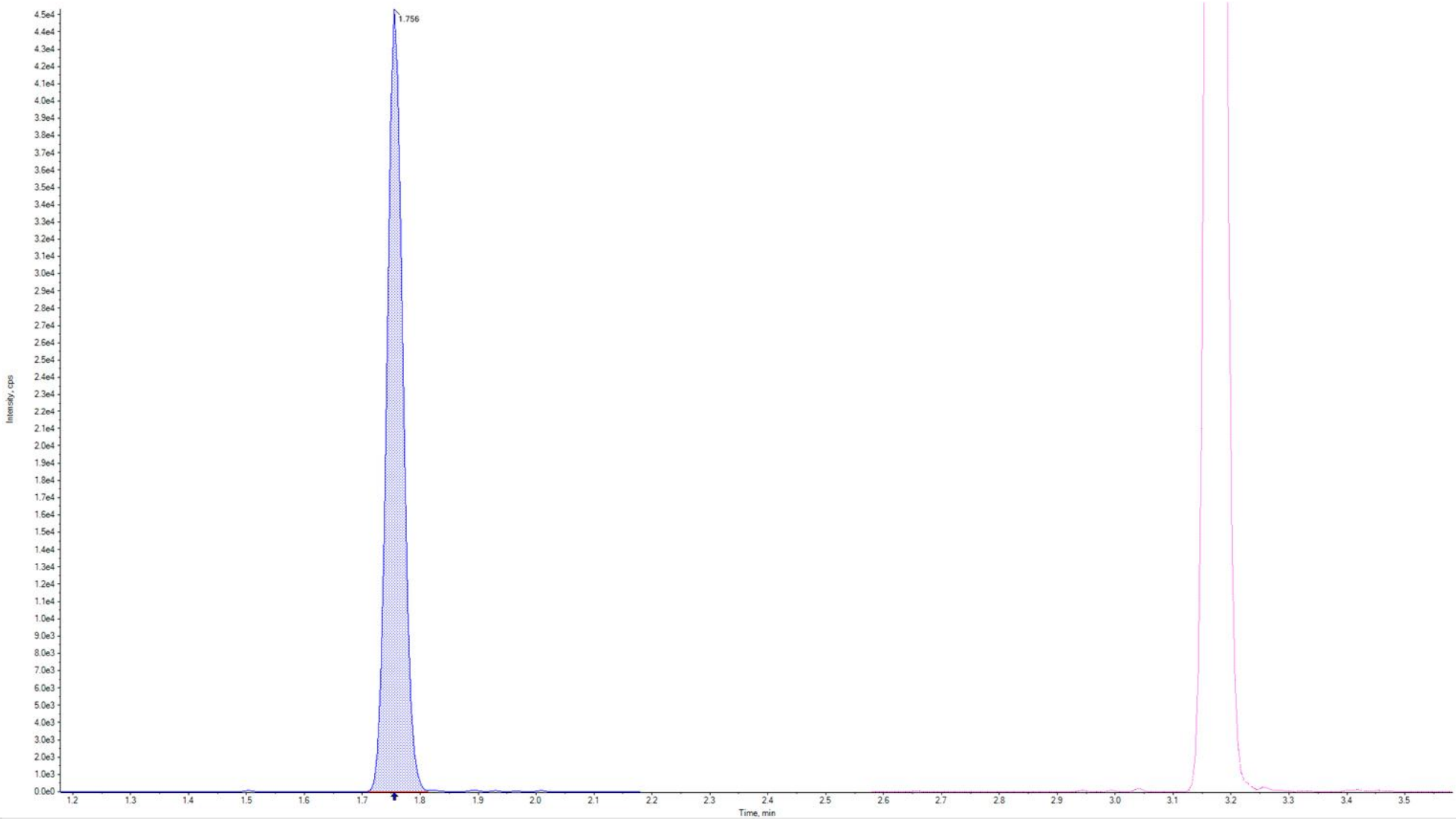


TDCA_2
Sample: IA1633STD-5 S/N:130872.8 Points Across peak:37



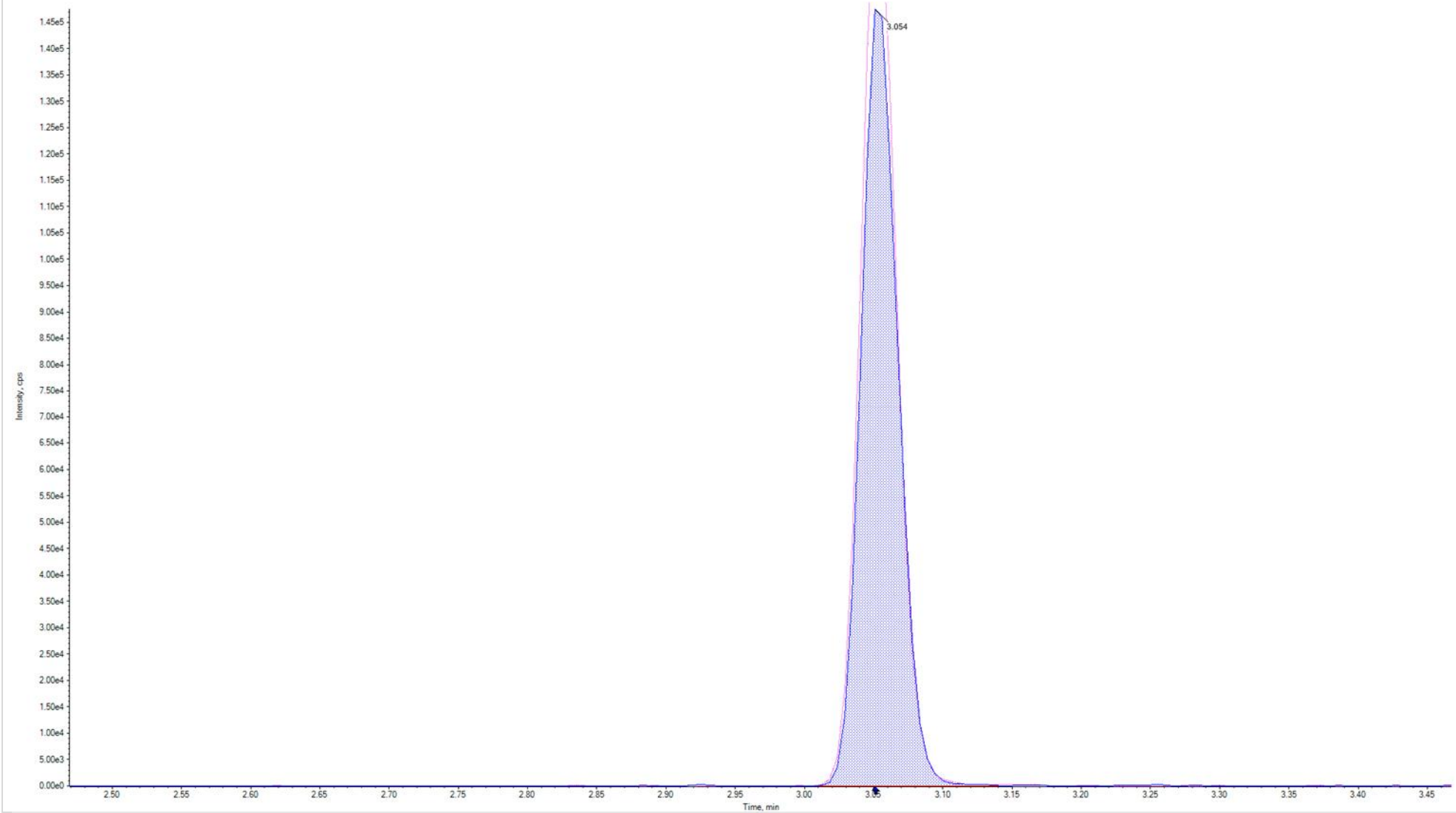
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Alpha Analytical LLC
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13C2D4-4:2FTS
Sample: IA1633STD-5 S/N:1703.8 Points Across peak:22

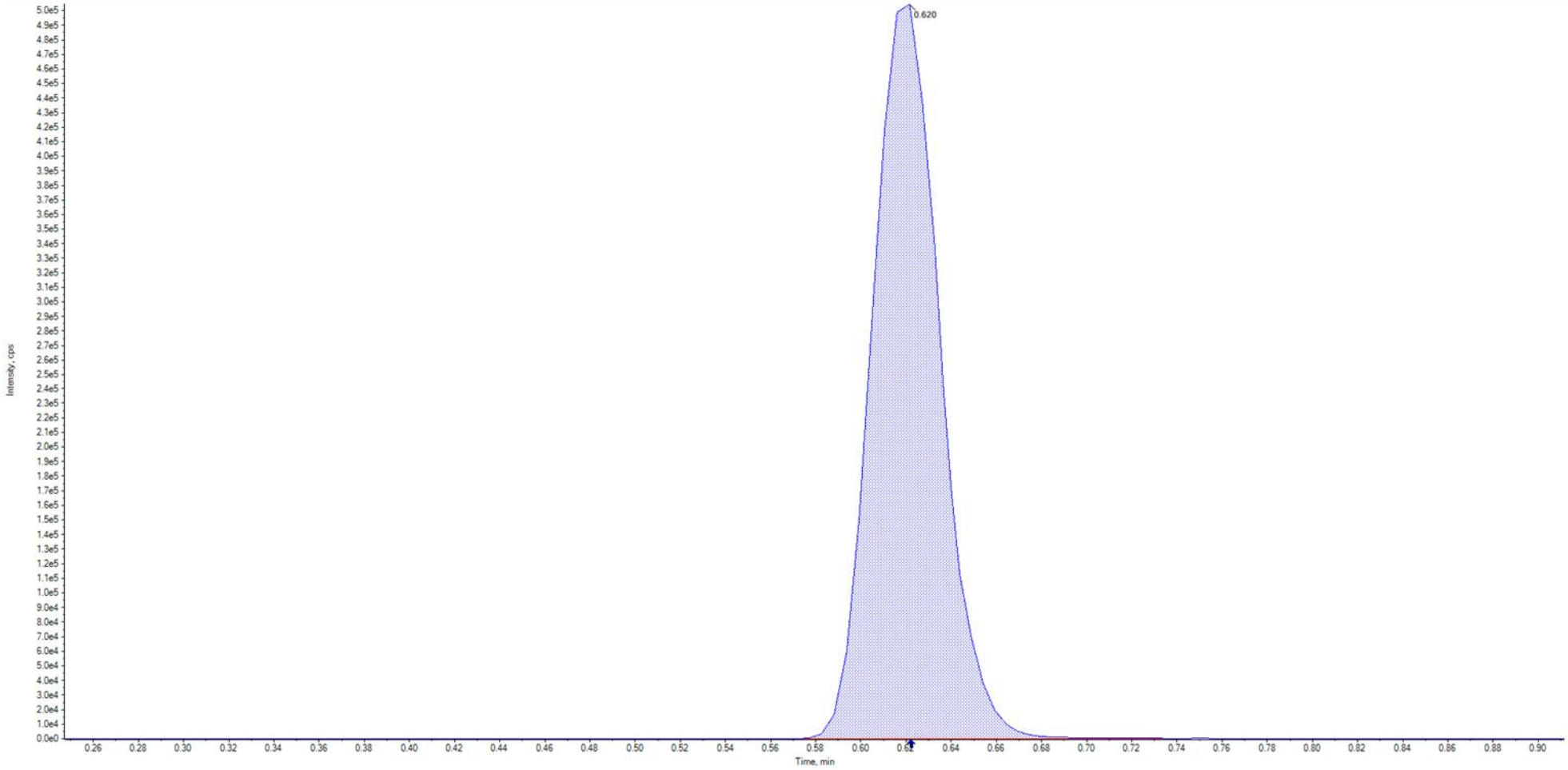


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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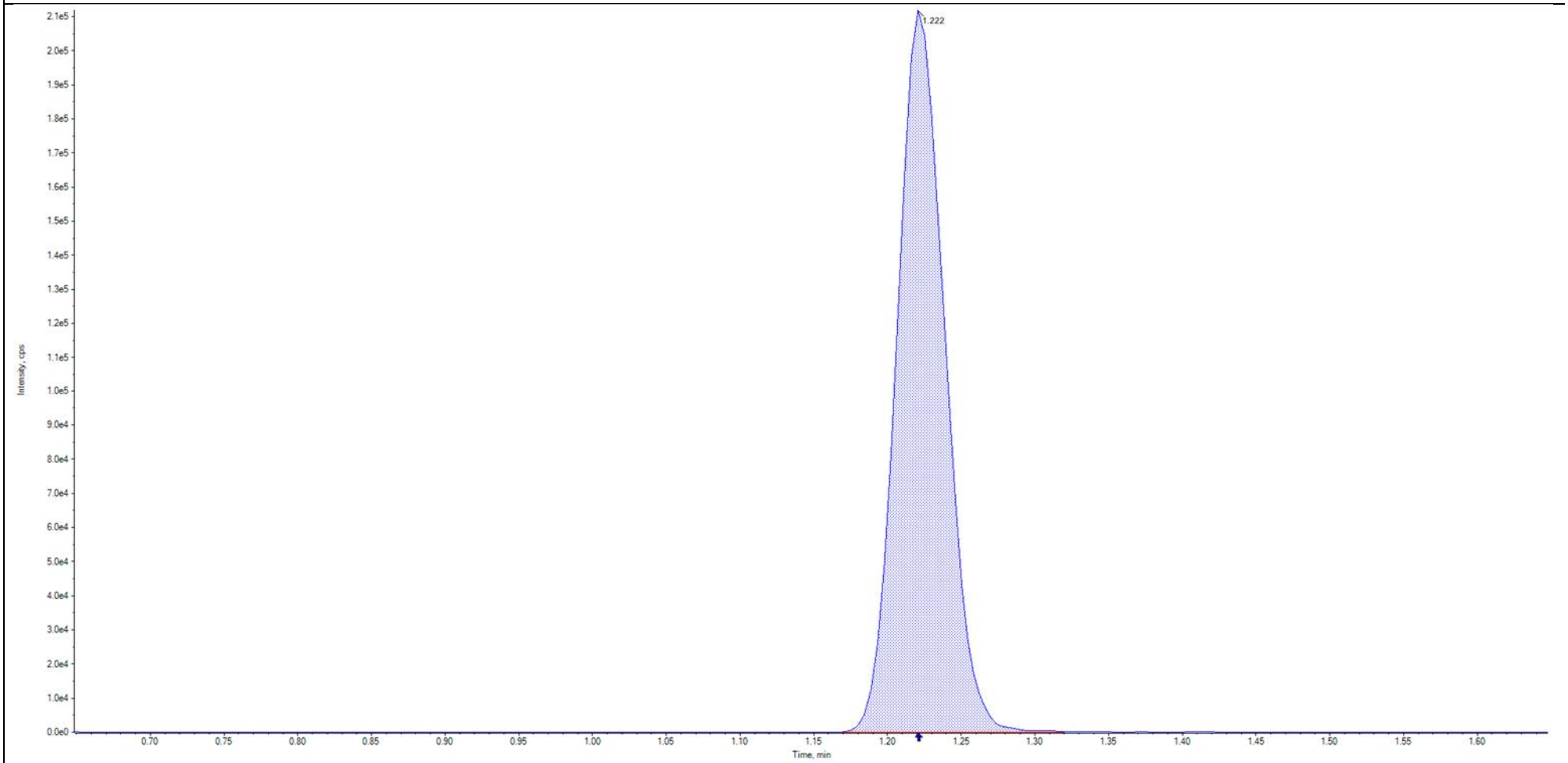
13C2-PFOA
Sample: IA1633STD-5 S/N:3327.4 Points Across peak:32



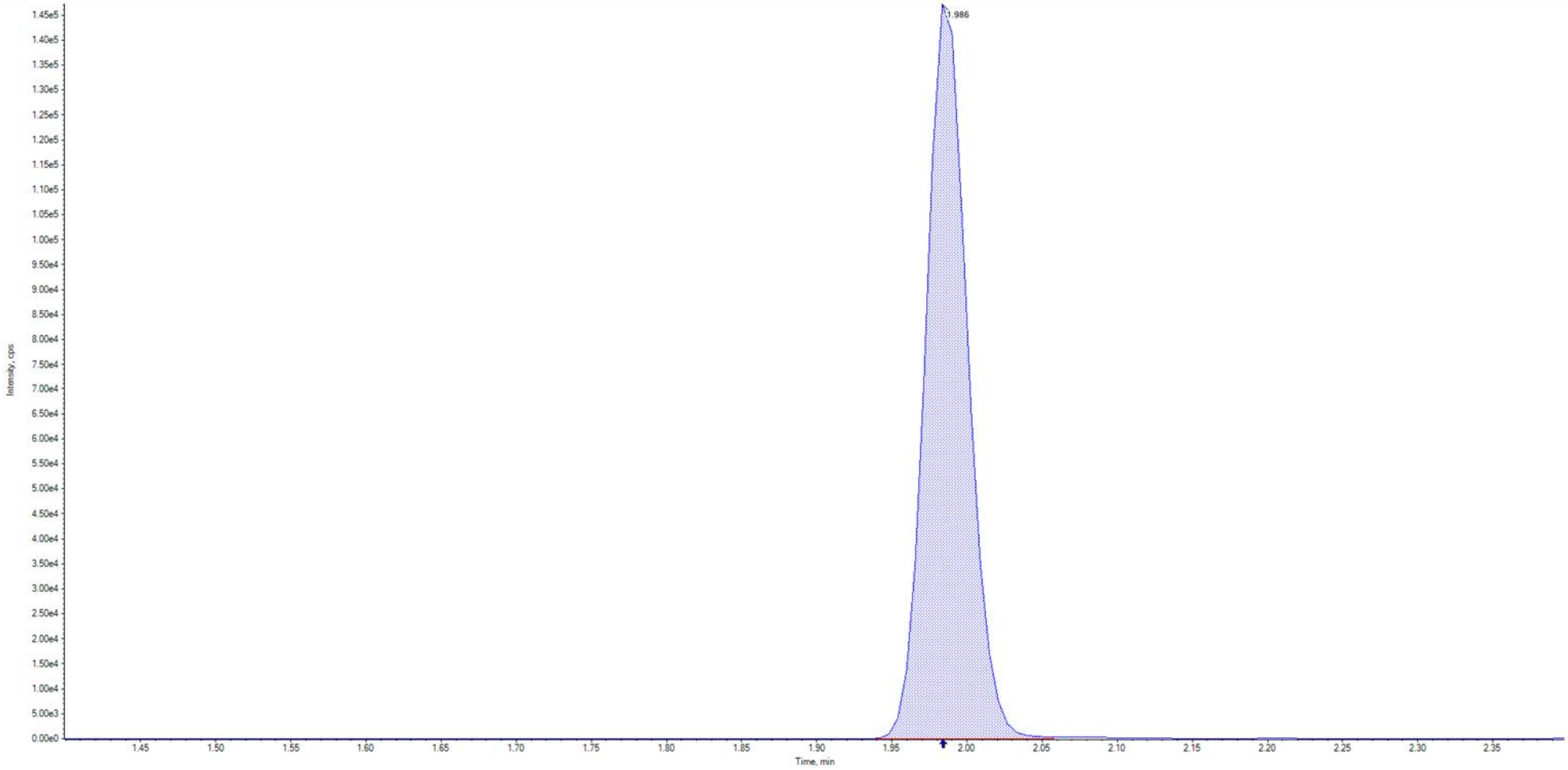
13C4-PFBA
Sample: IA1633STD-5



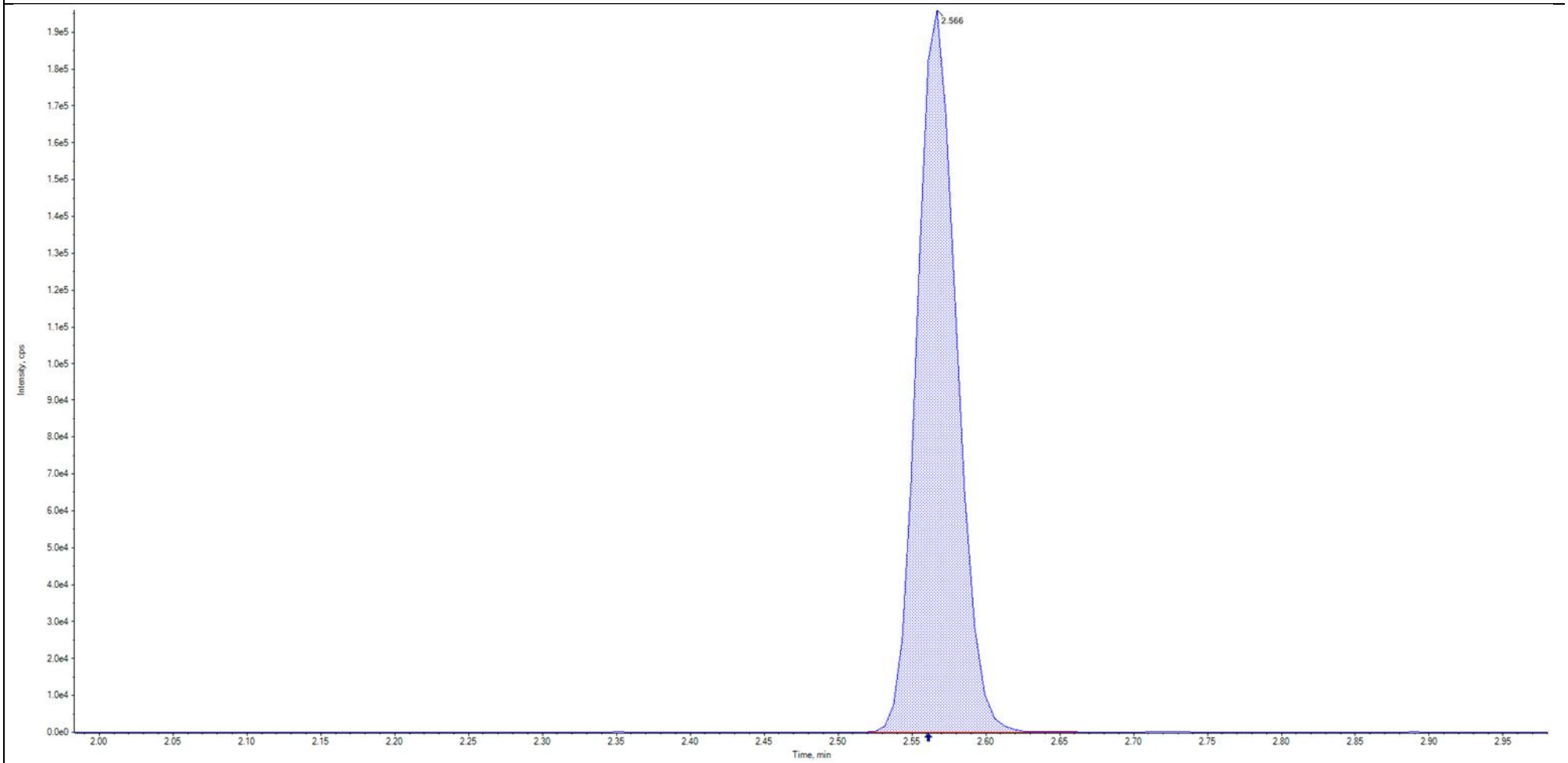
13C5-PFPeA
Sample: IA1633STD-5



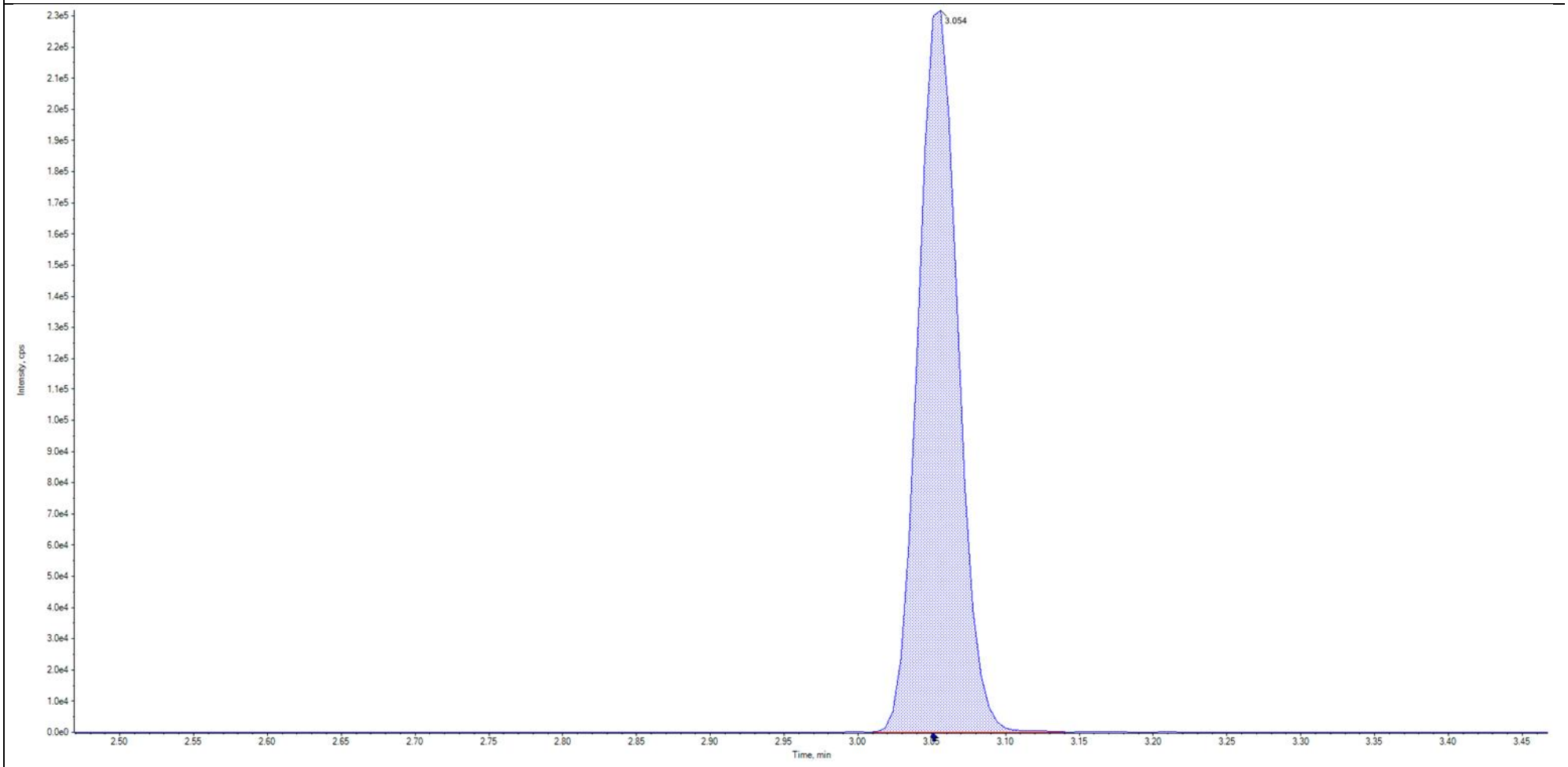
13C5-PFHxA
Sample: IA1633STD-5



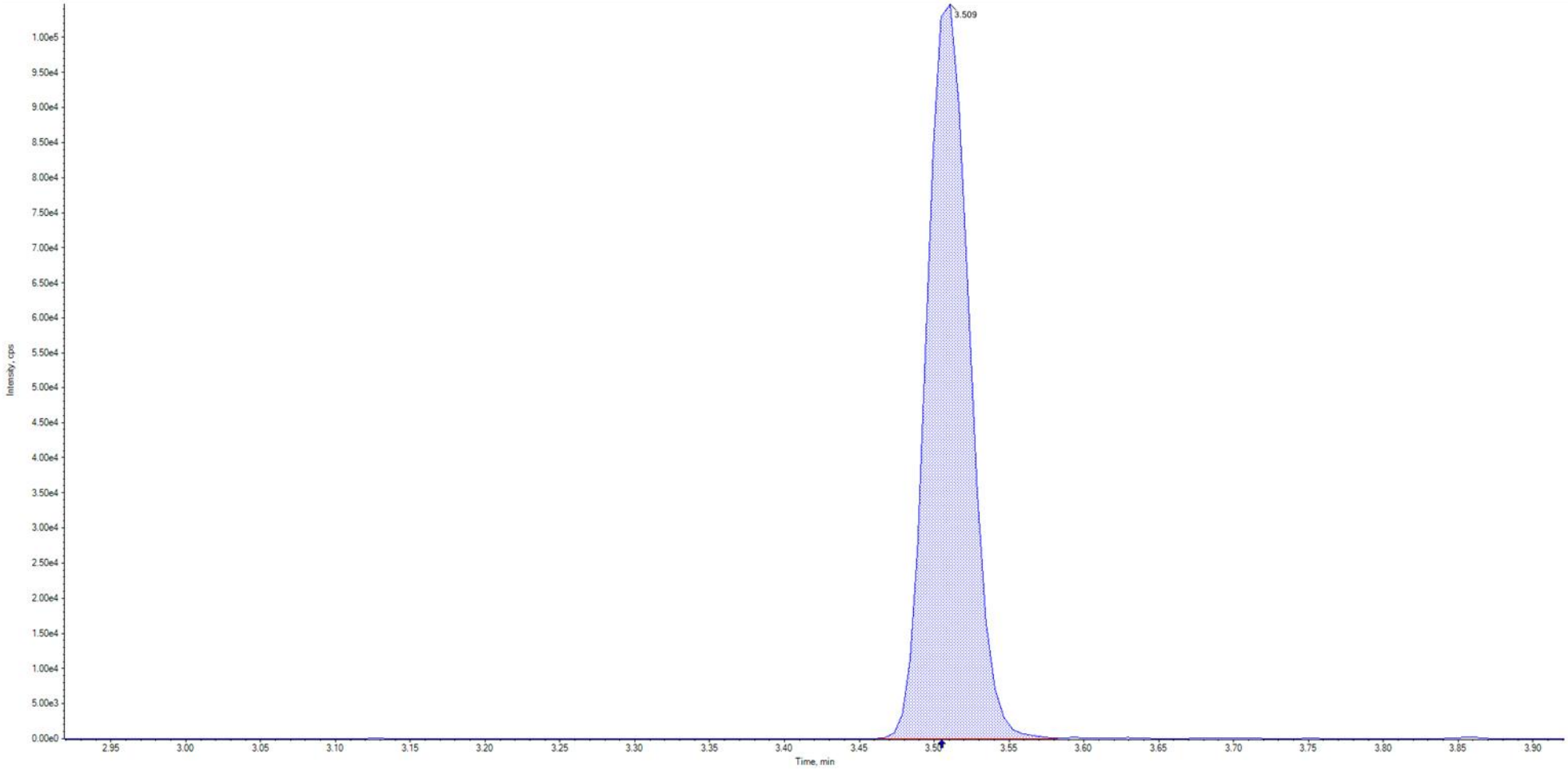
13C4-PFHpA
Sample: IA1633STD-5



13C8-PFOA
Sample: IA1633STD-5

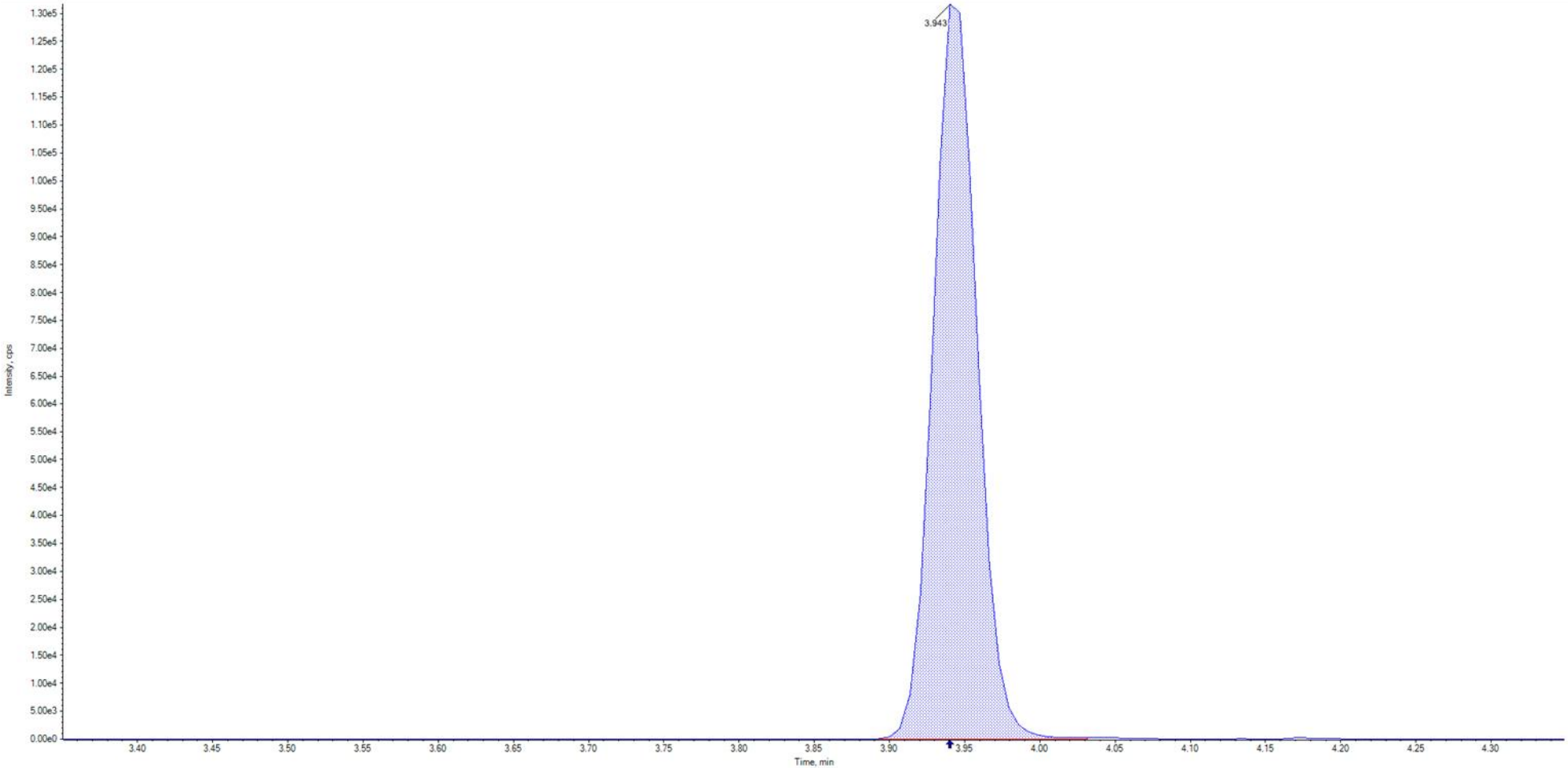


13C9-PFNA
Sample: IA1633STD-5

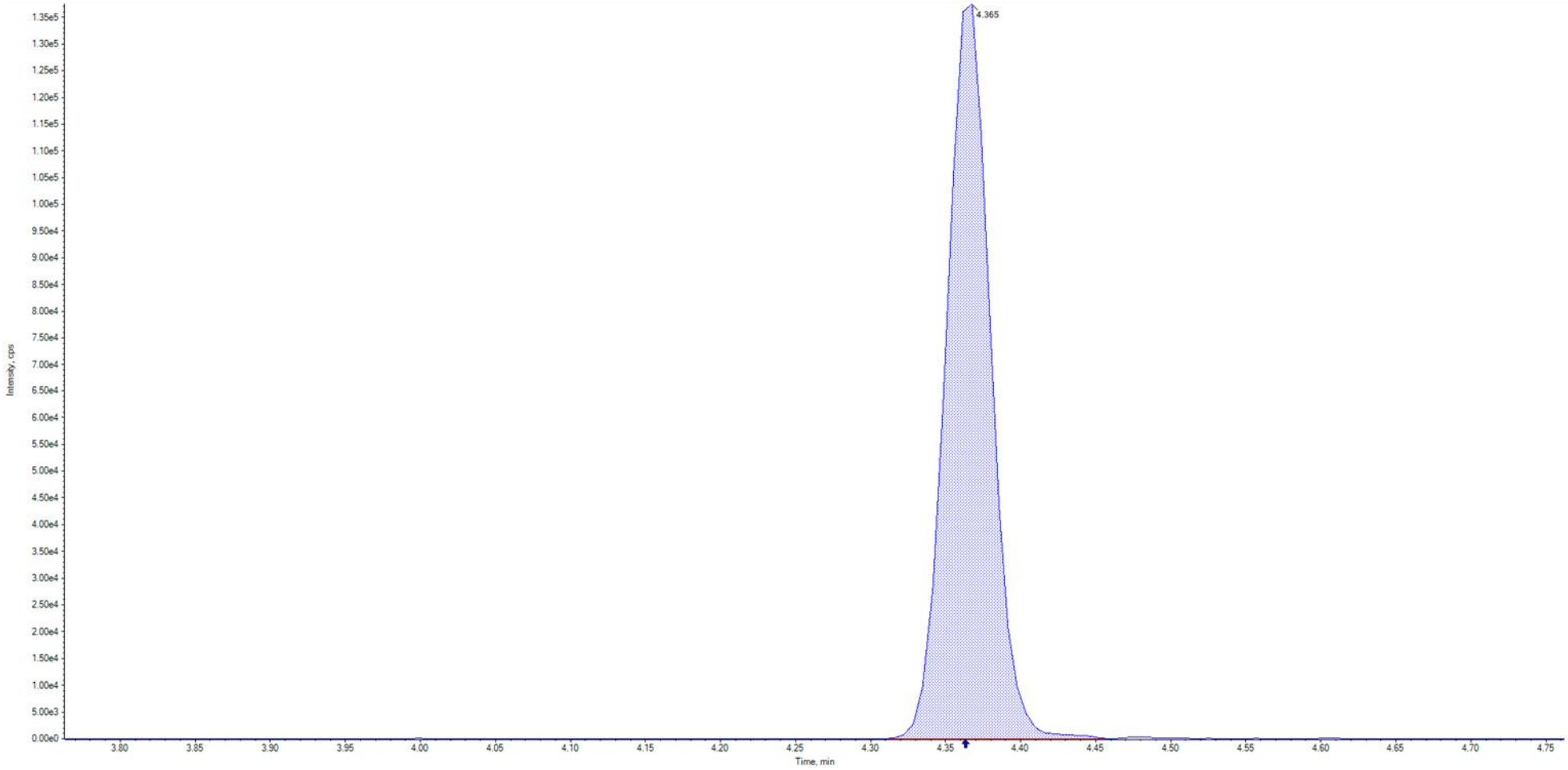


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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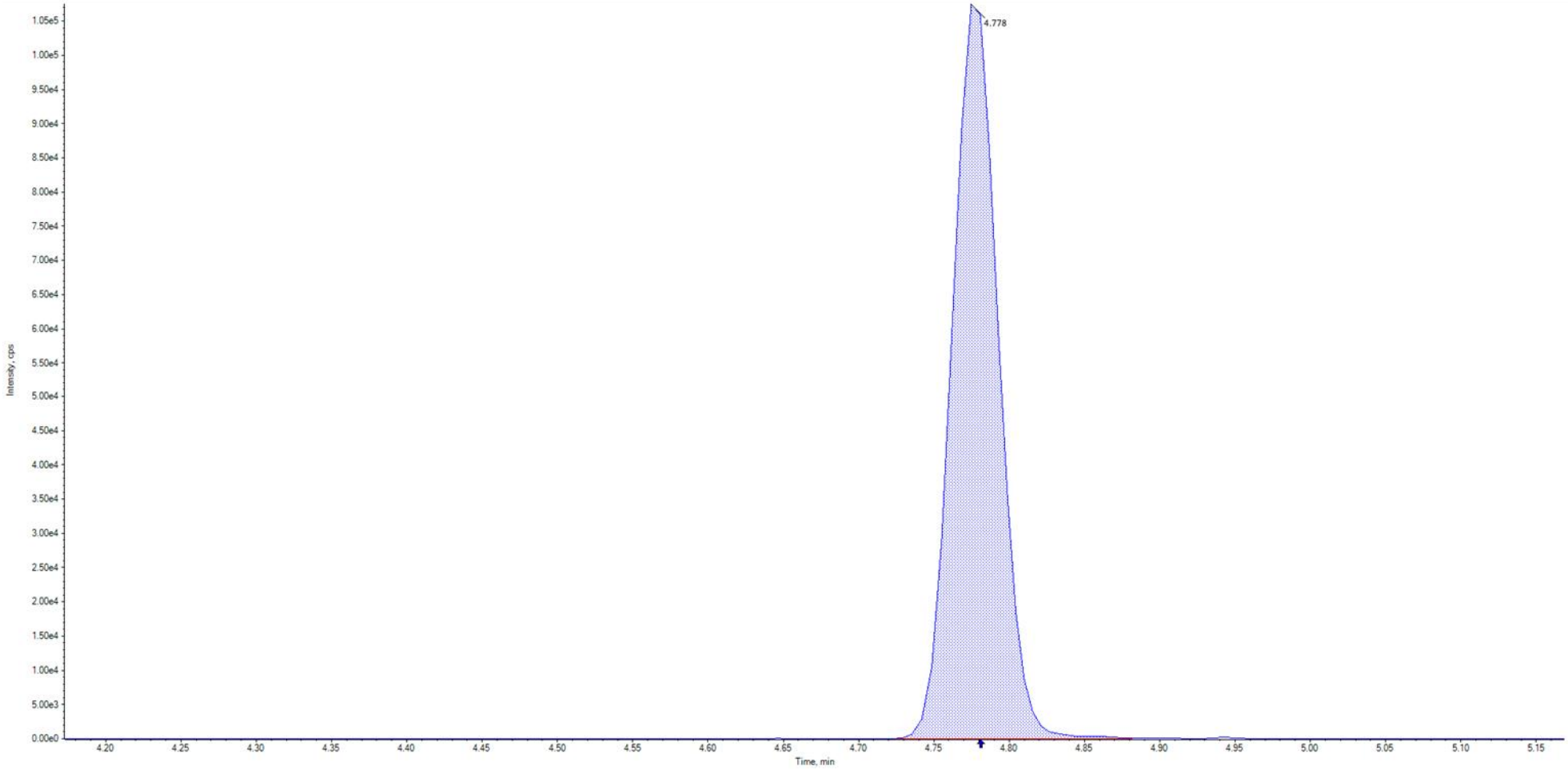
13C6-PFDA
Sample: IA1633STD-5



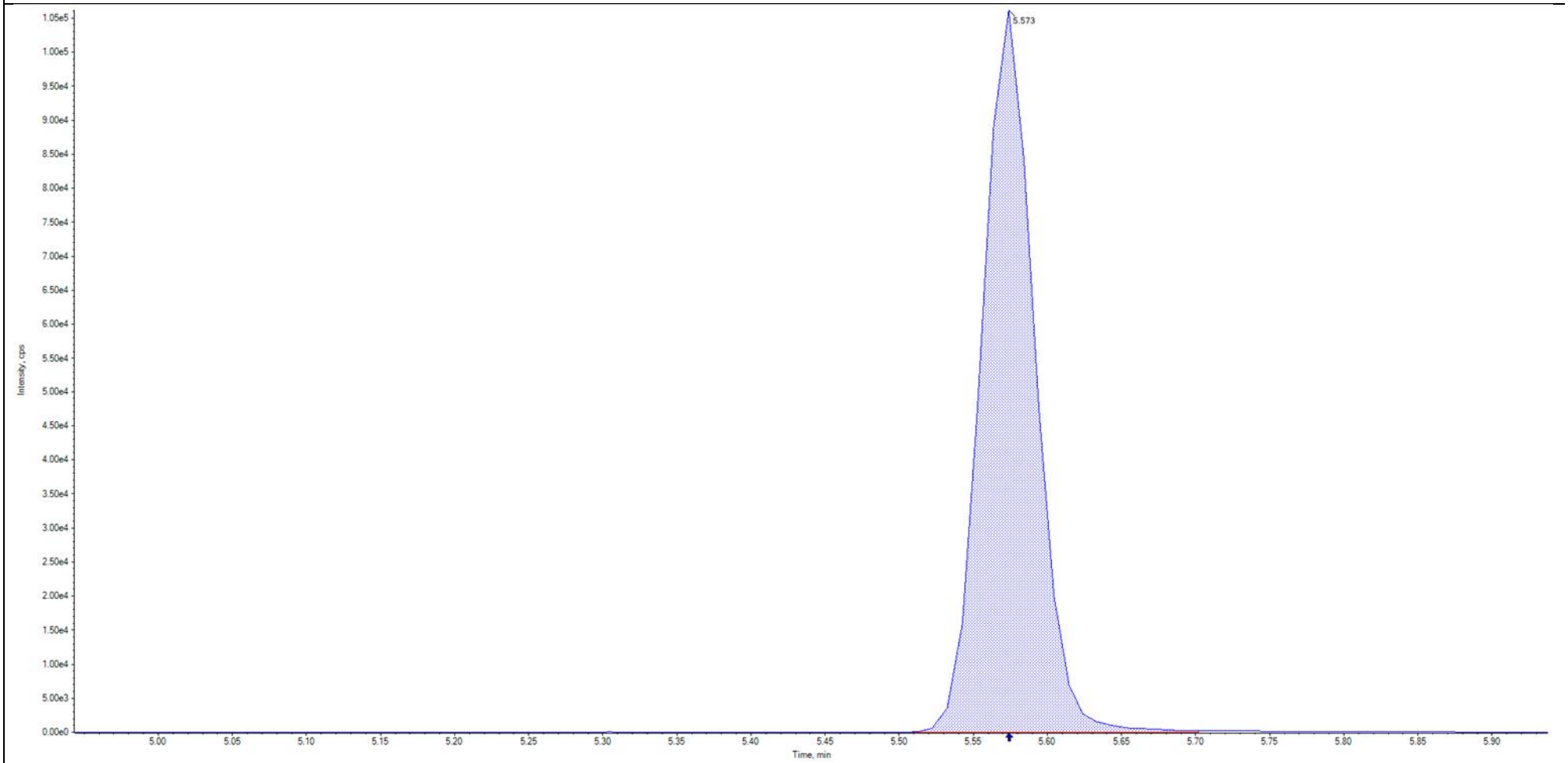
13C7-PFUnA
Sample: IA1633STD-5



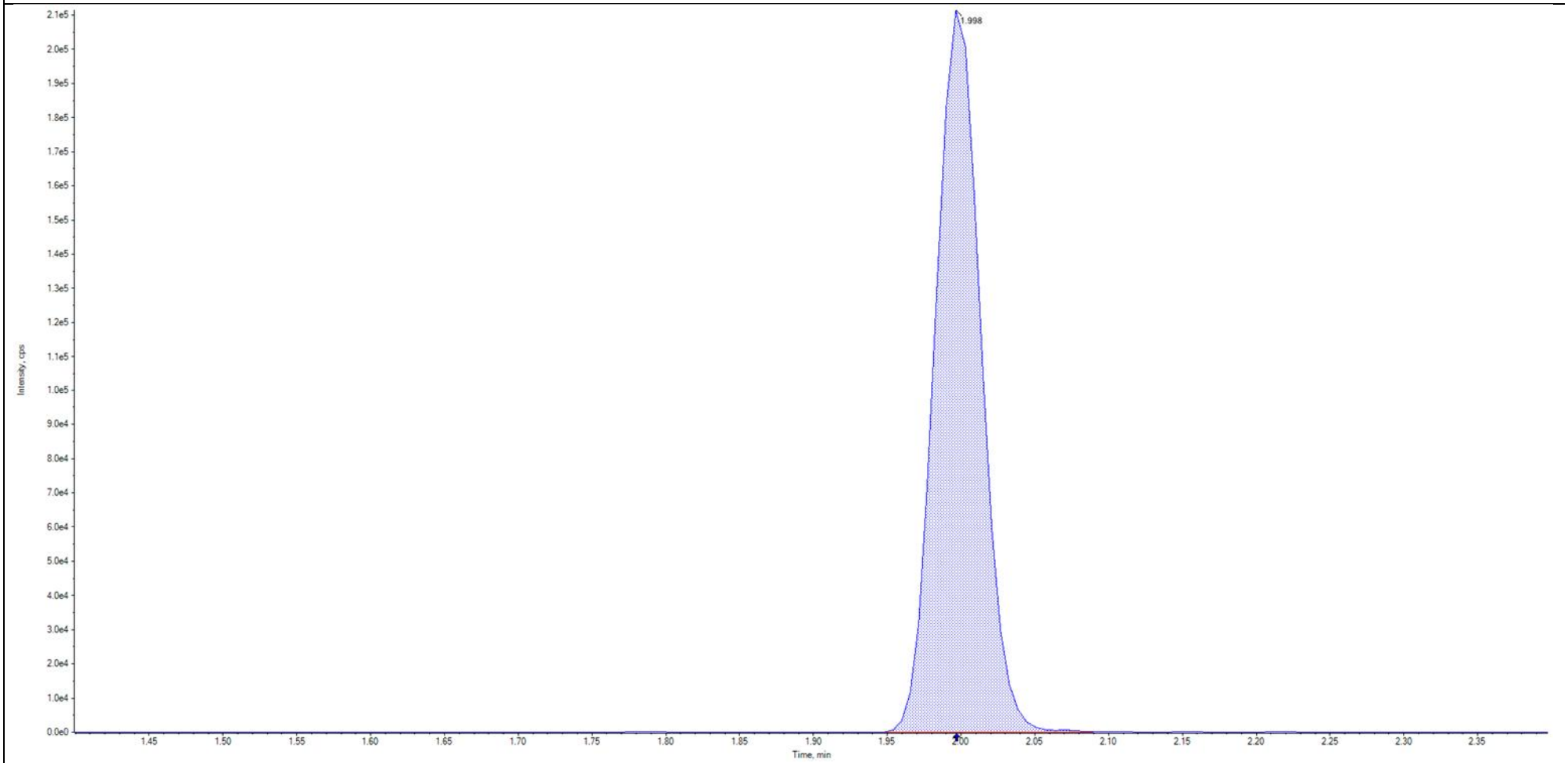
13C2-PFDoA
Sample: IA1633STD-5



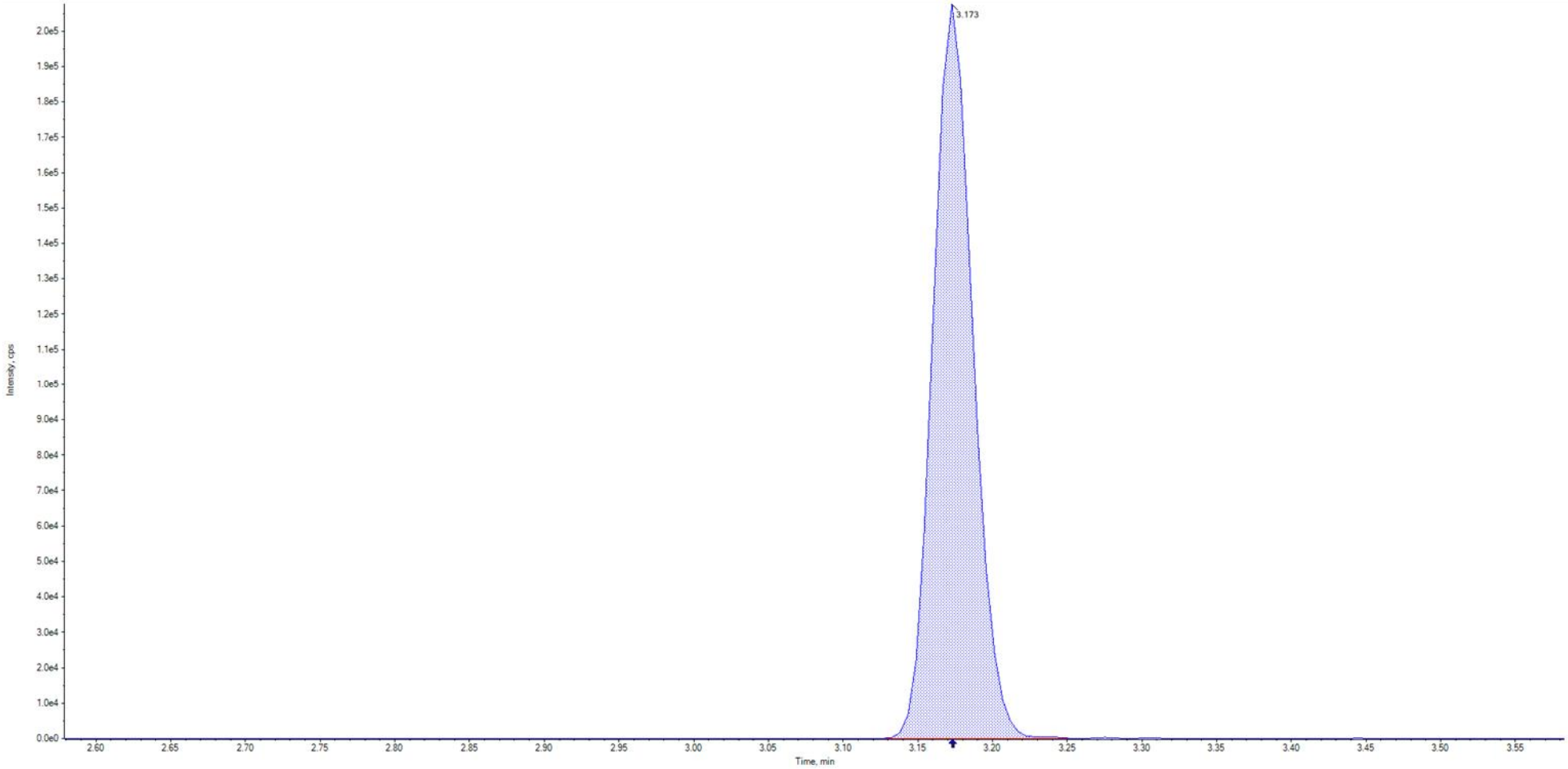
13C2-PFTeDA
Sample: IA1633STD-5



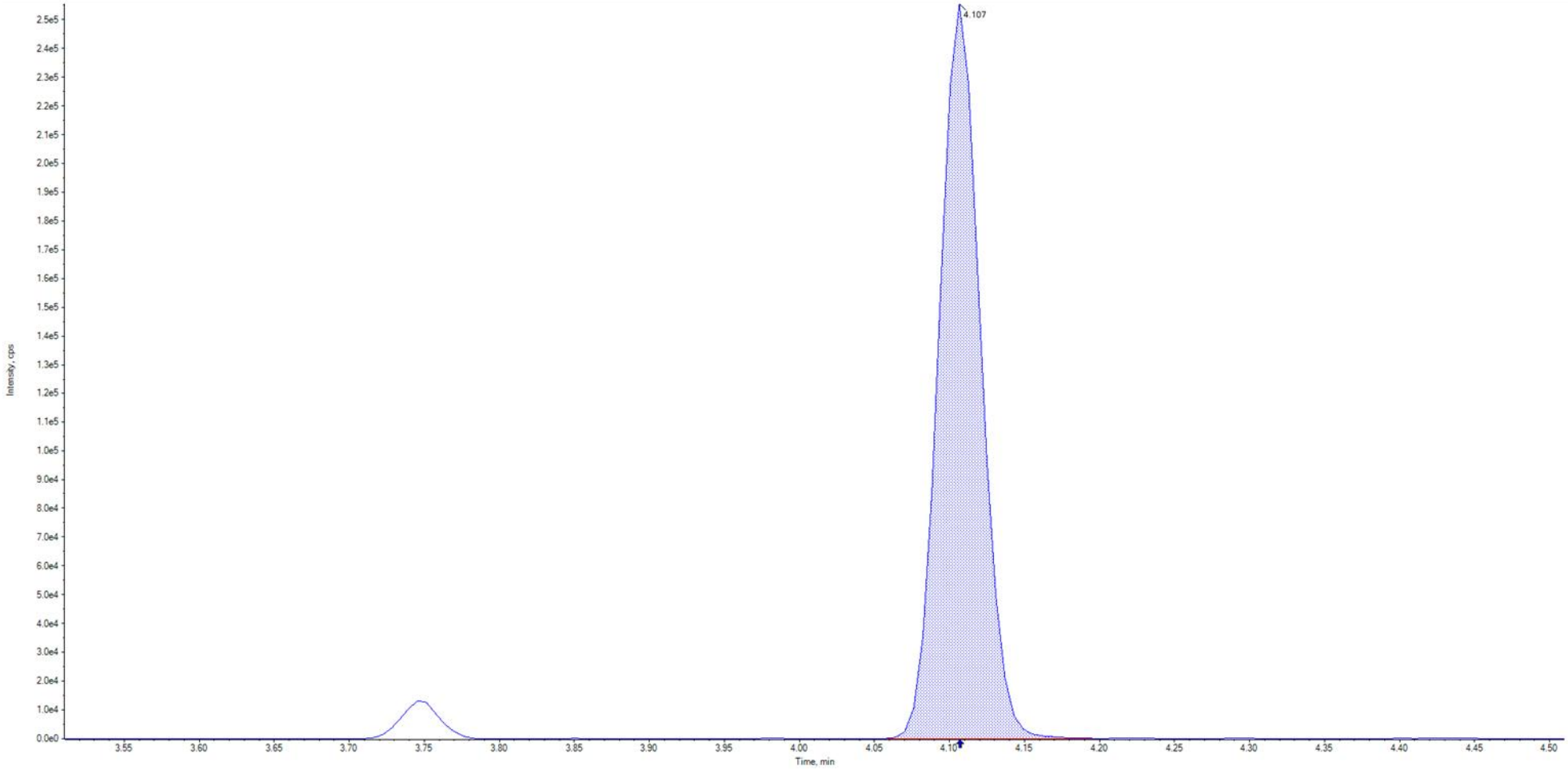
13C3-PFBS
Sample: IA1633STD-5



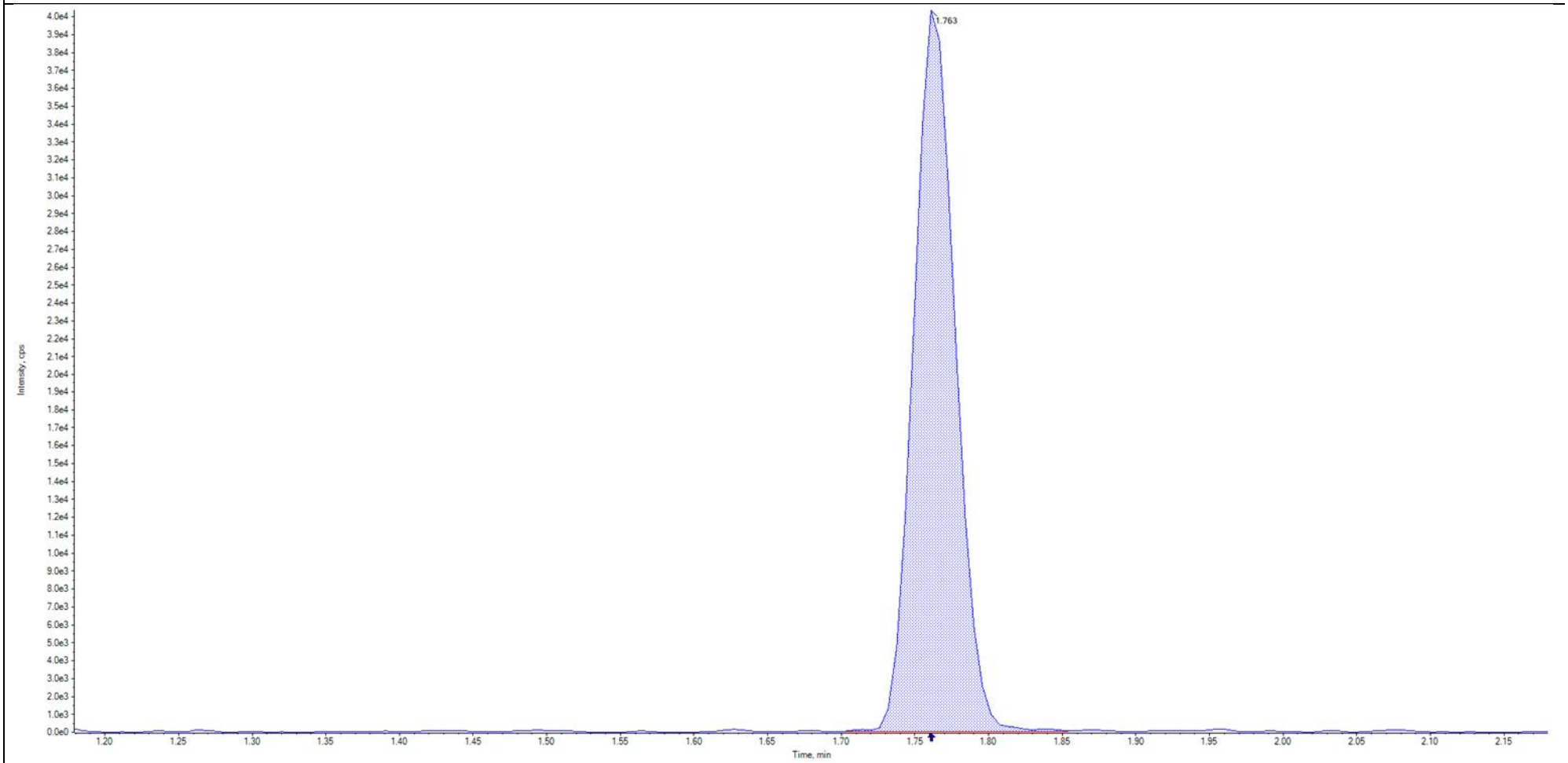
13C3-PFHxS
Sample: IA1633STD-5



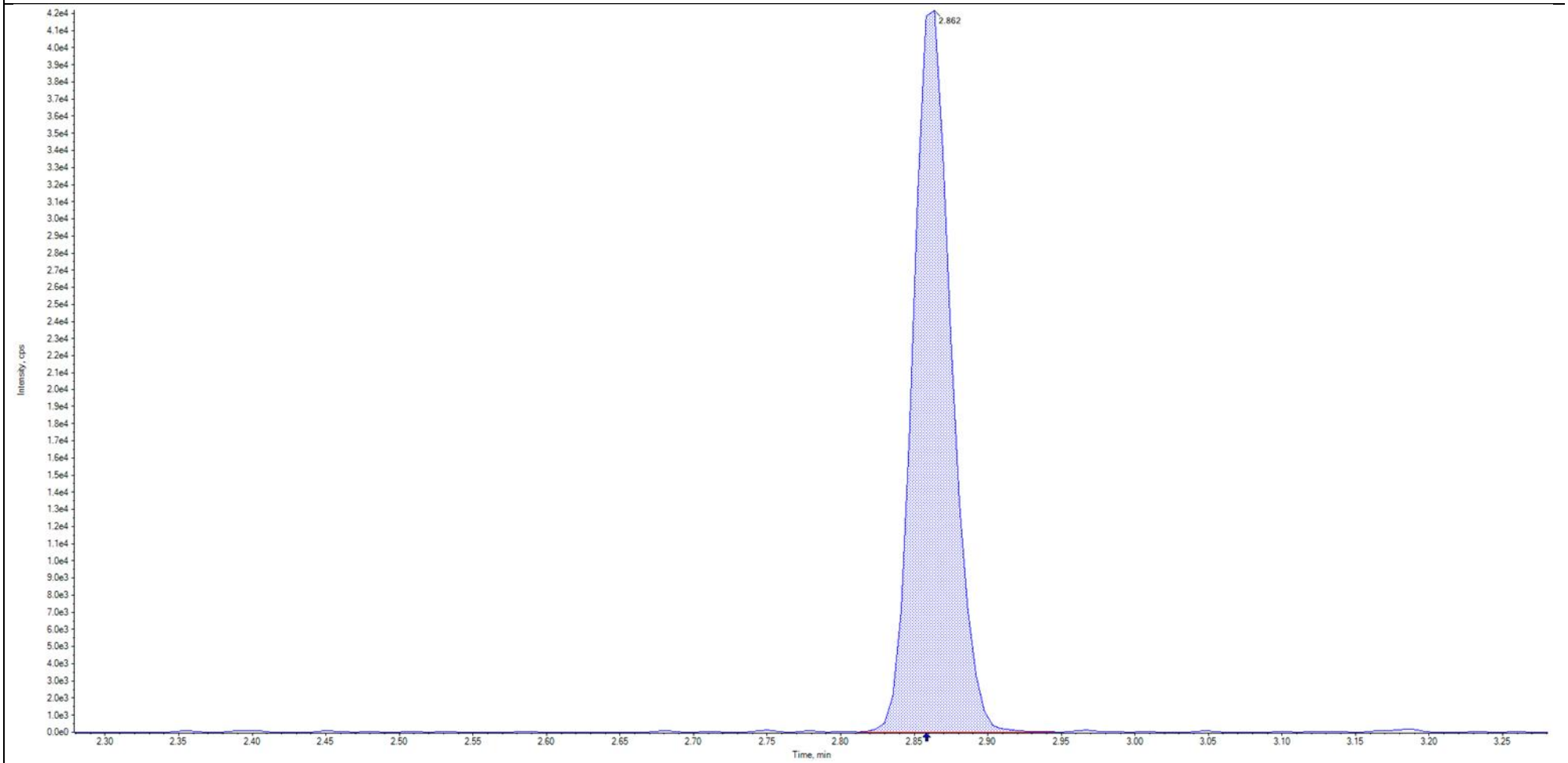
13C8-PFOS
Sample: IA1633STD-5



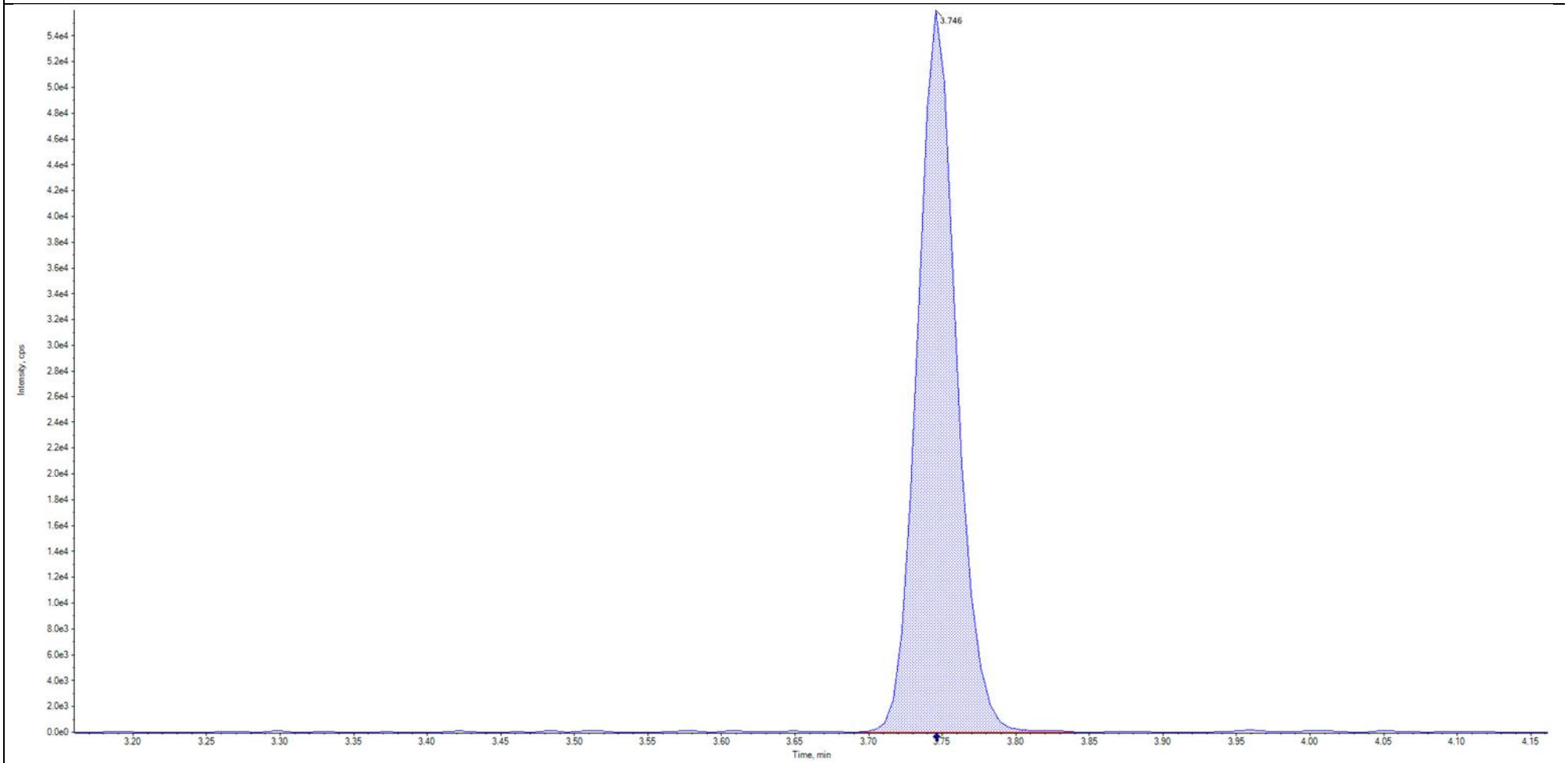
13C2-4:2FTS
Sample: IA1633STD-5



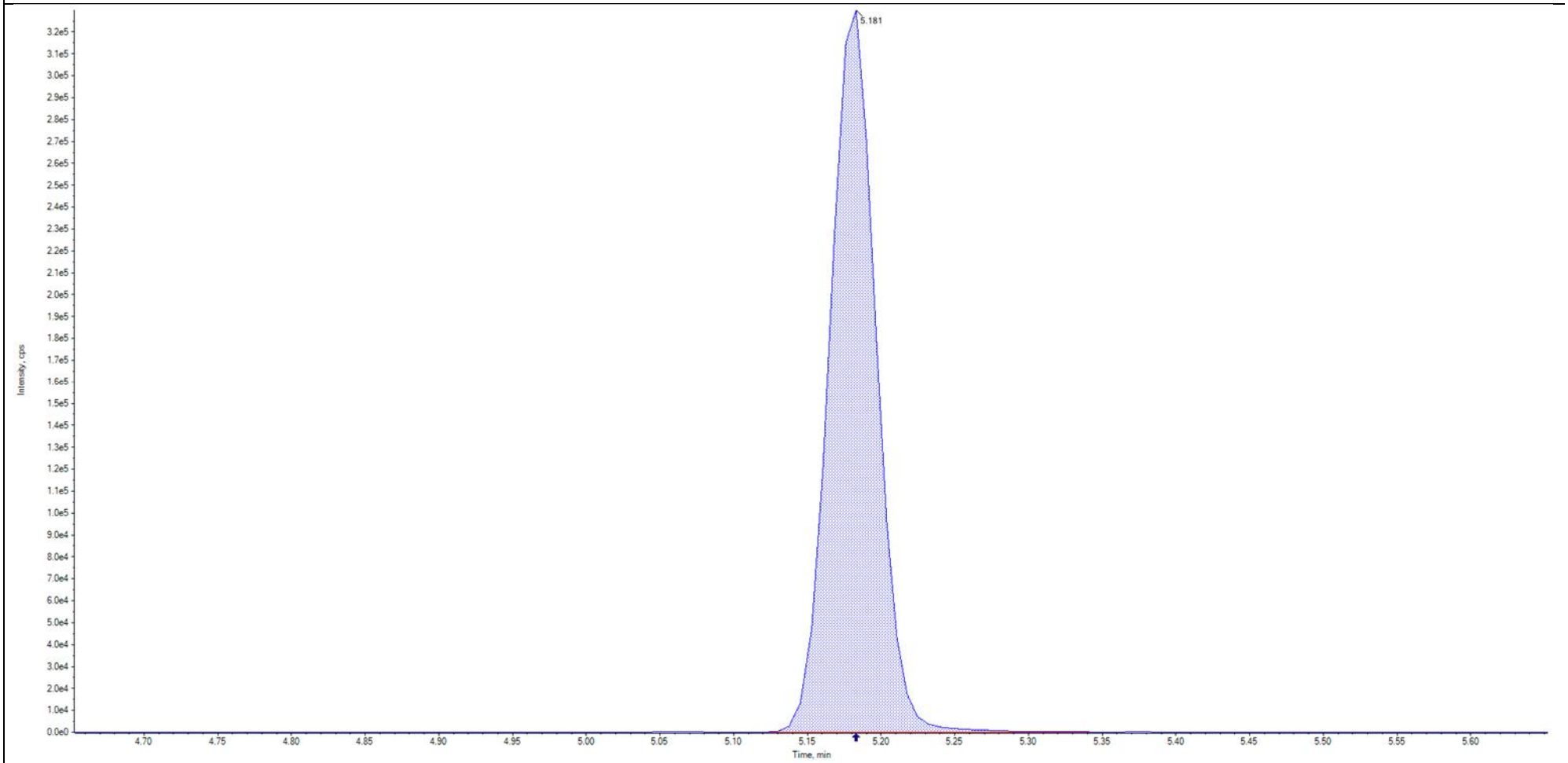
13C2-6:2FTS
Sample: IA1633STD-5



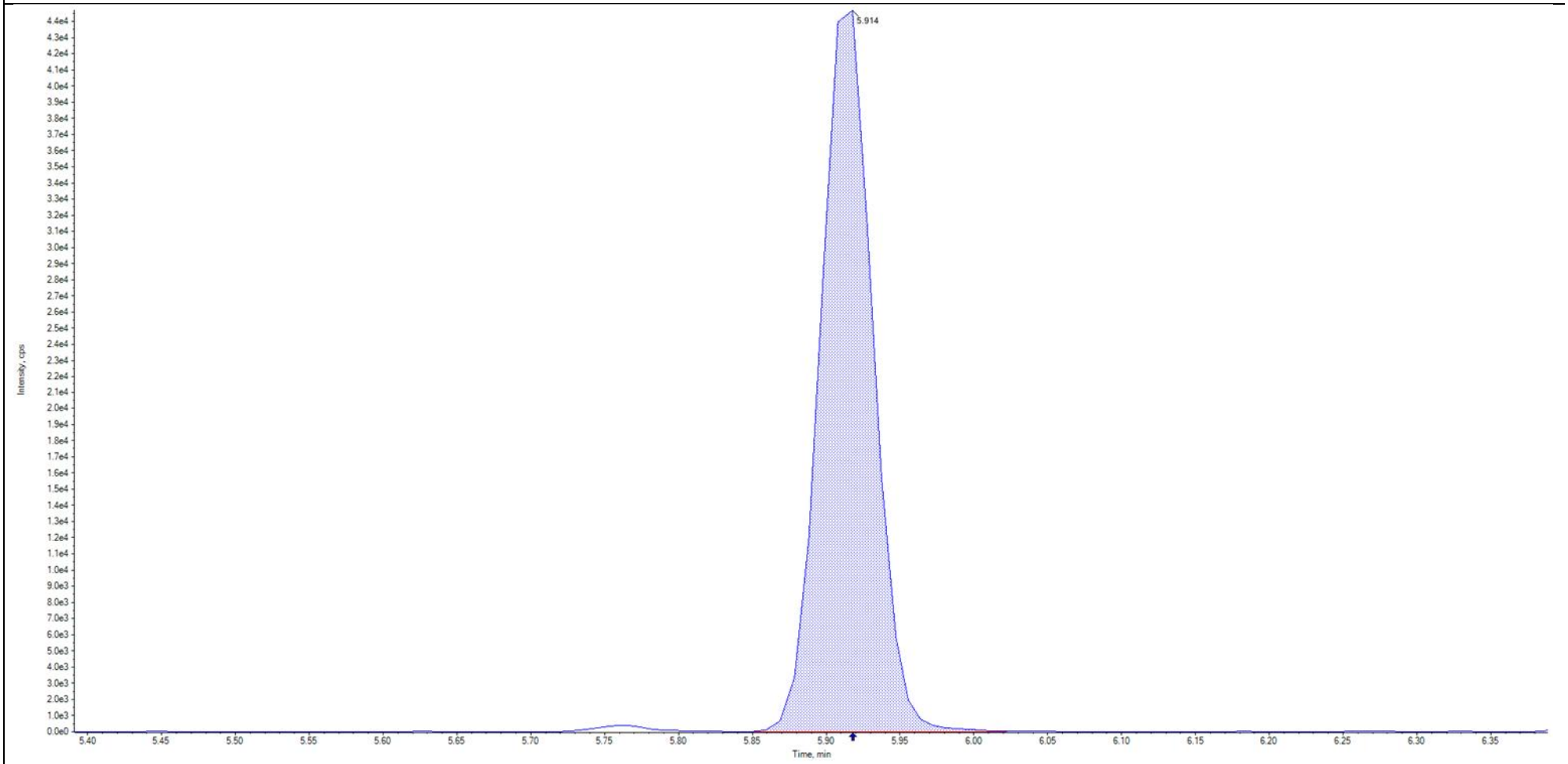
13C2-8:2FTS
Sample: IA1633STD-5



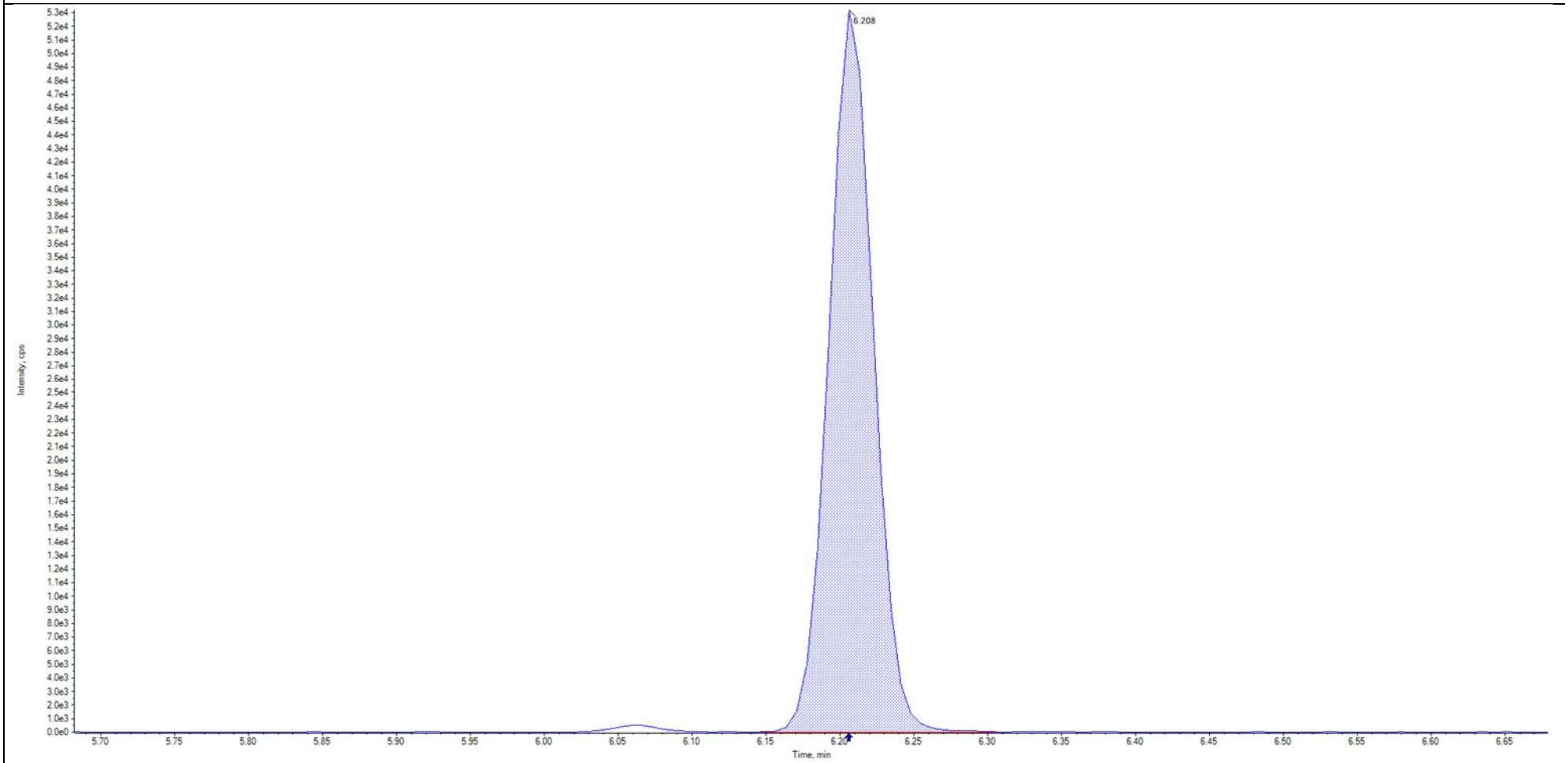
13C8-PFOSA
Sample: IA1633STD-5



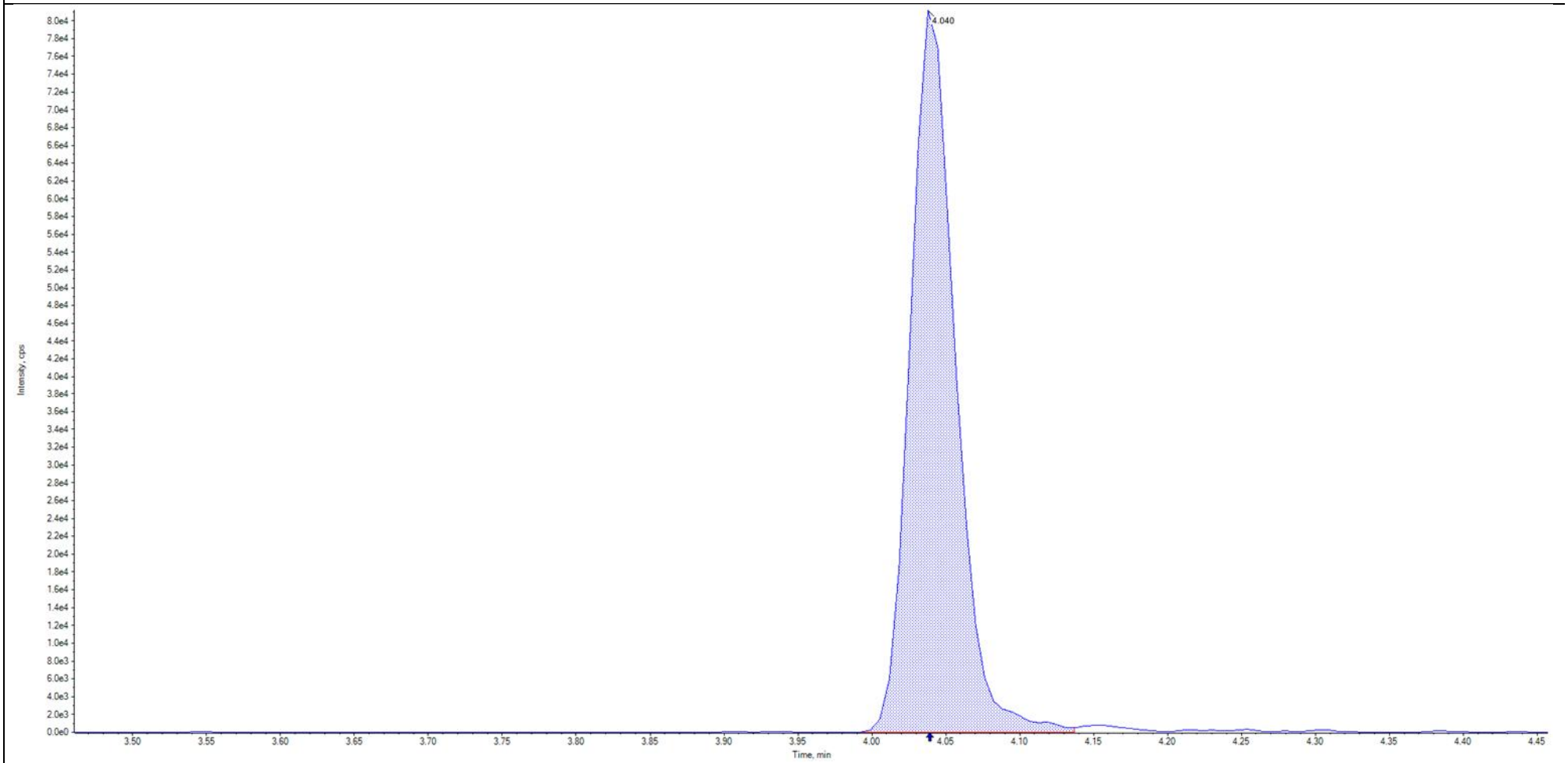
d3-NMeFOSA
Sample: IA1633STD-5



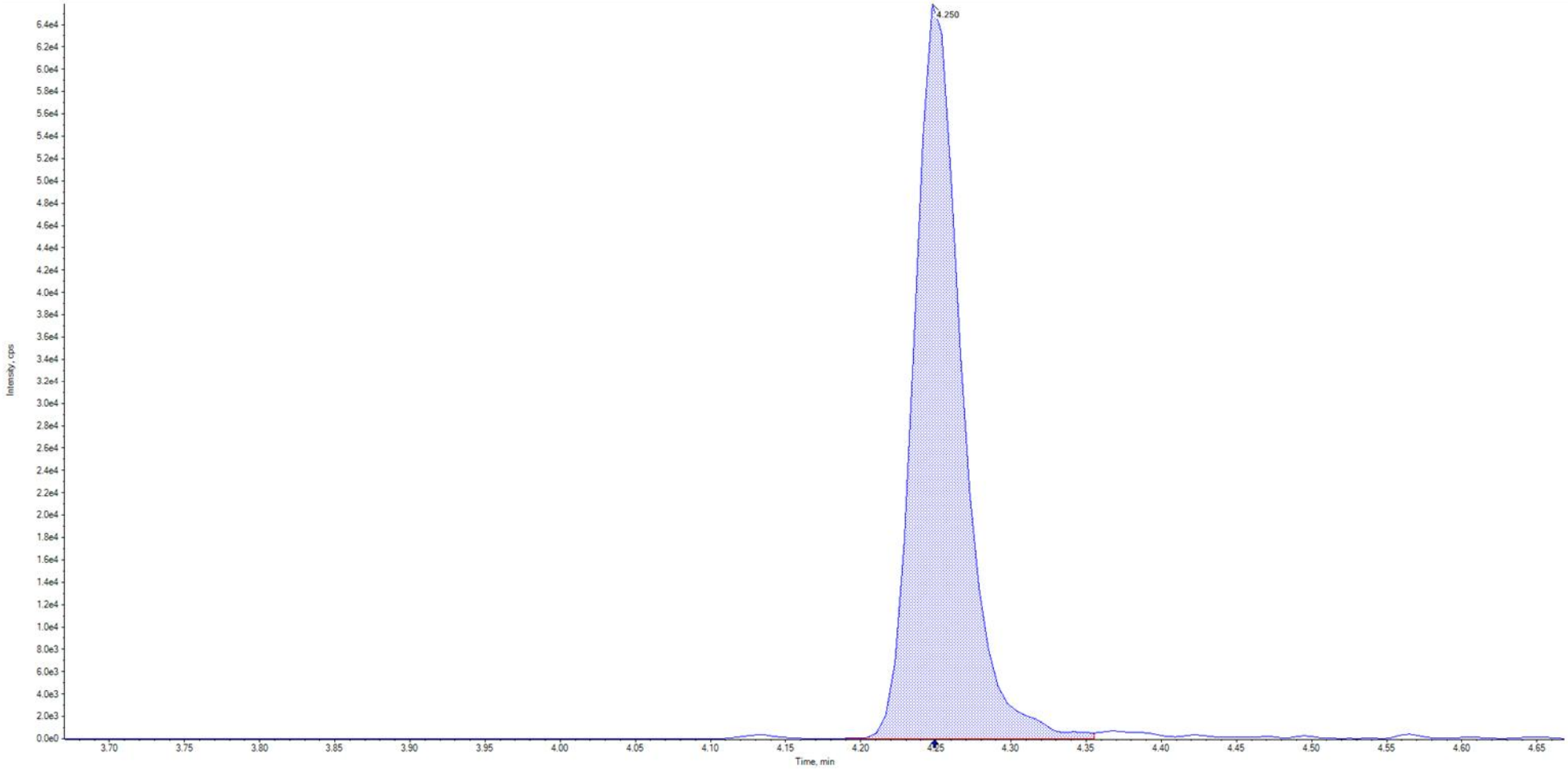
d5-NEtFOSA
Sample: IA1633STD-5



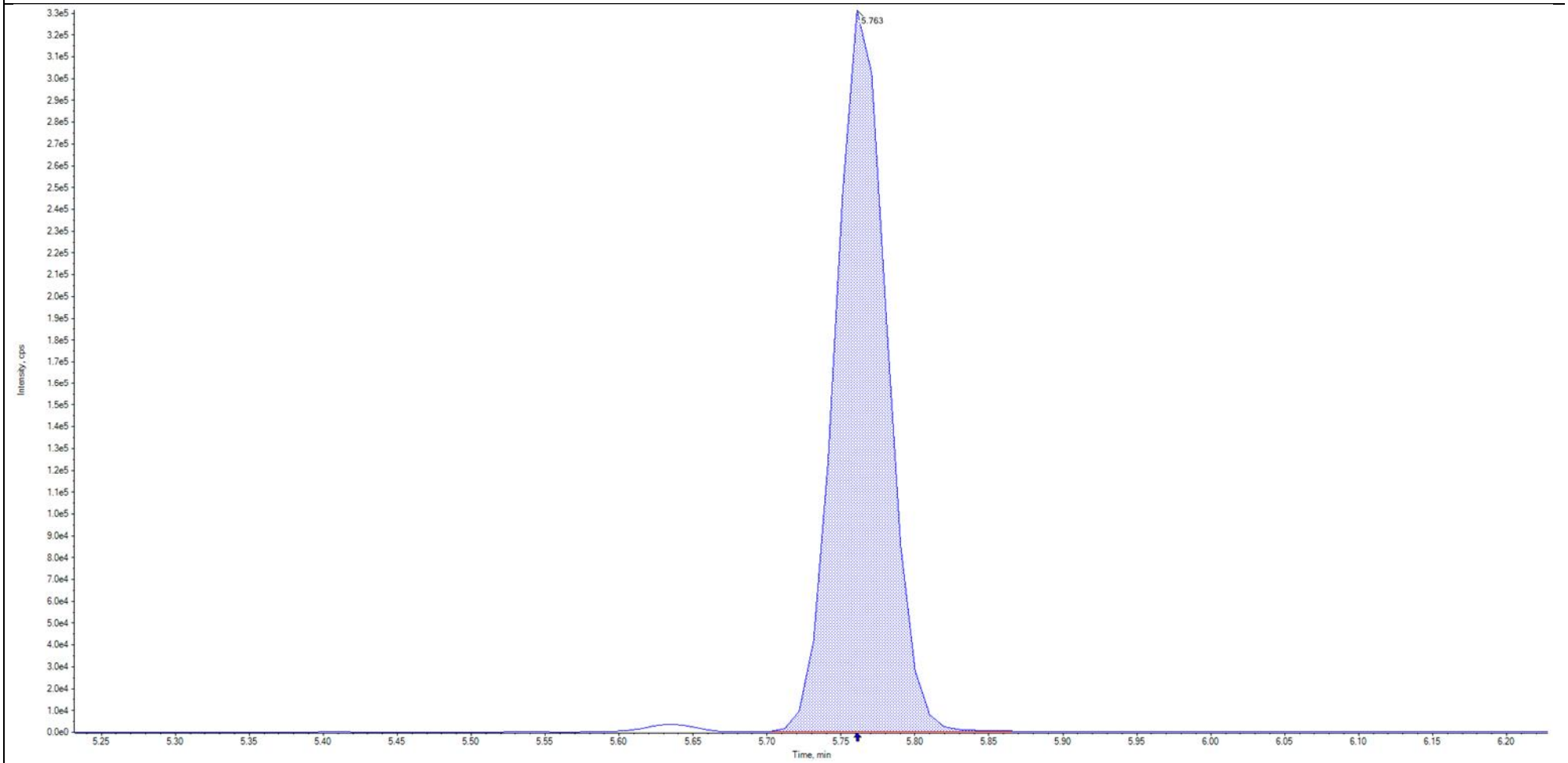
d3-NMeFOSAA
Sample: IA1633STD-5



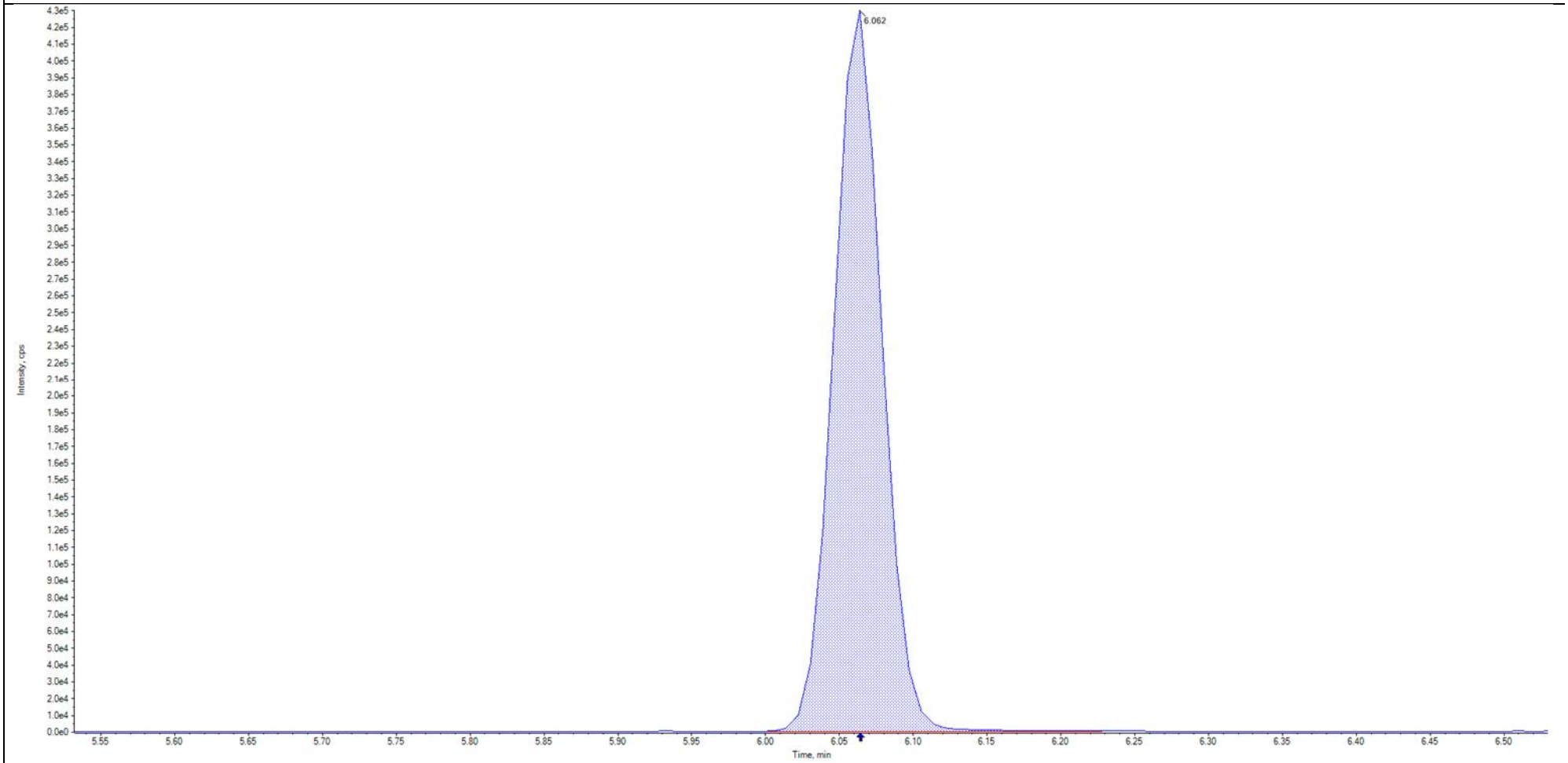
d5-NEtFOSAA
Sample: IA1633STD-5



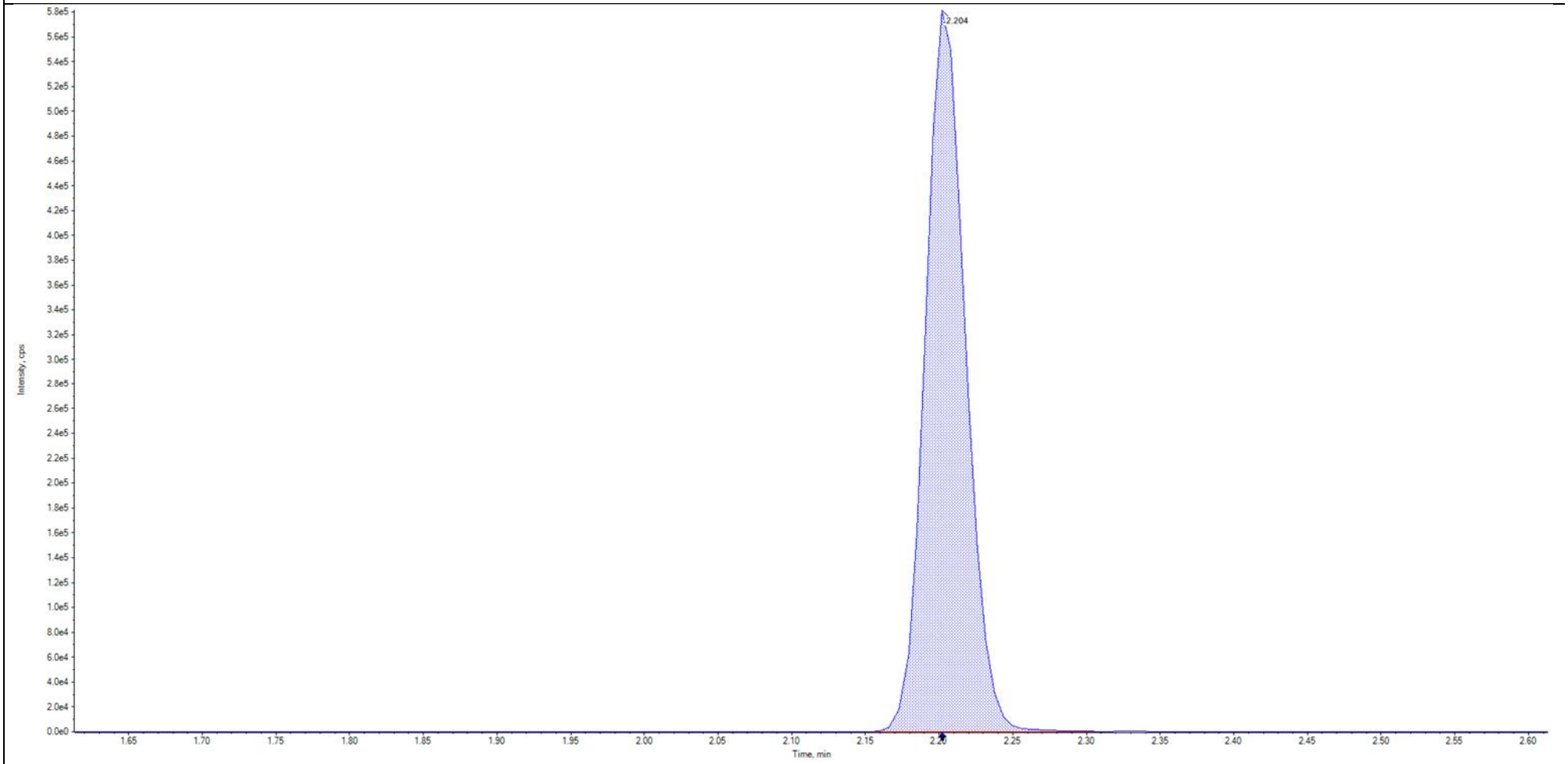
d7-NMeFOSE
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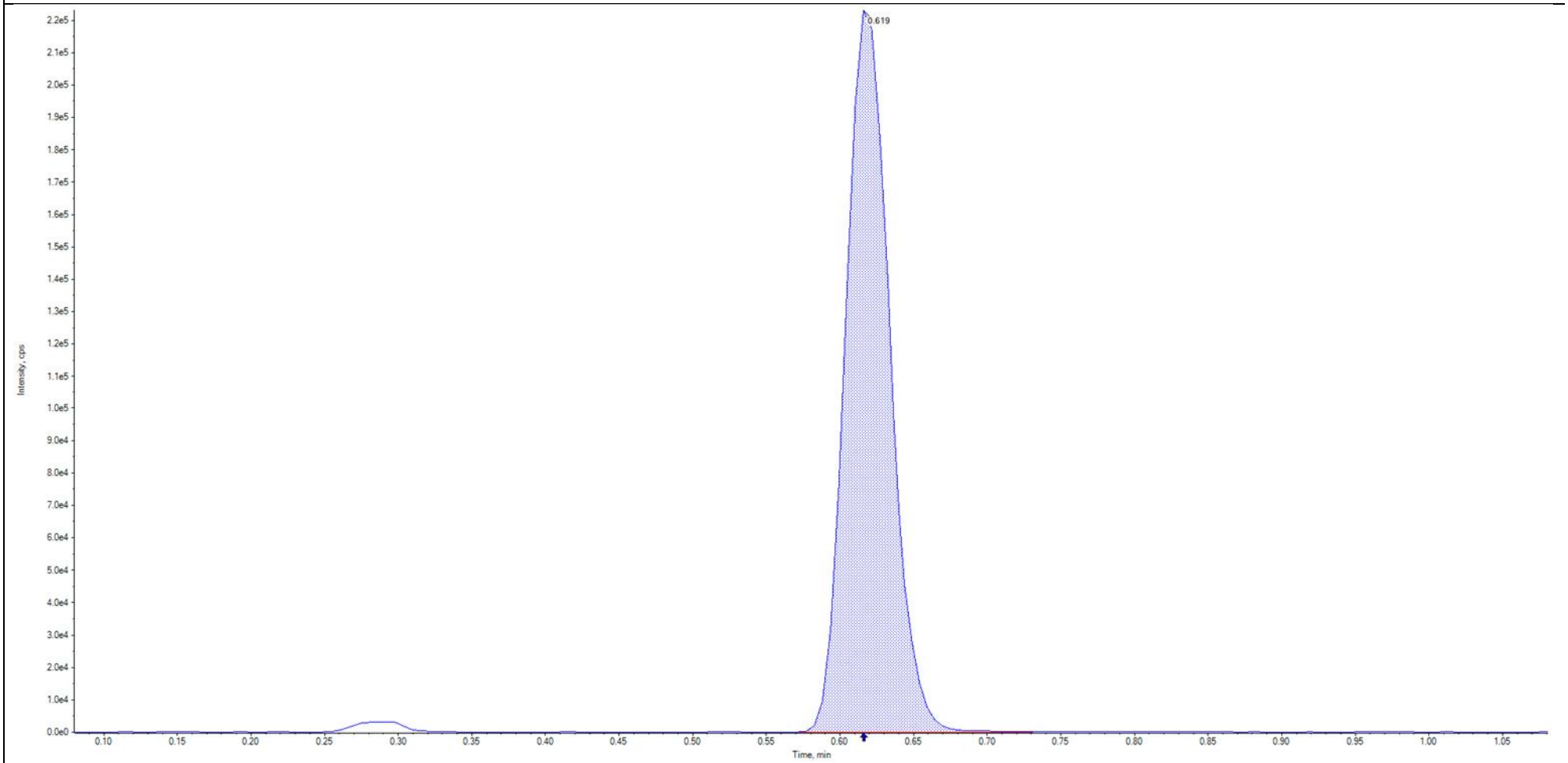
d9-NEtFOSE
Sample: IA1633STD-5



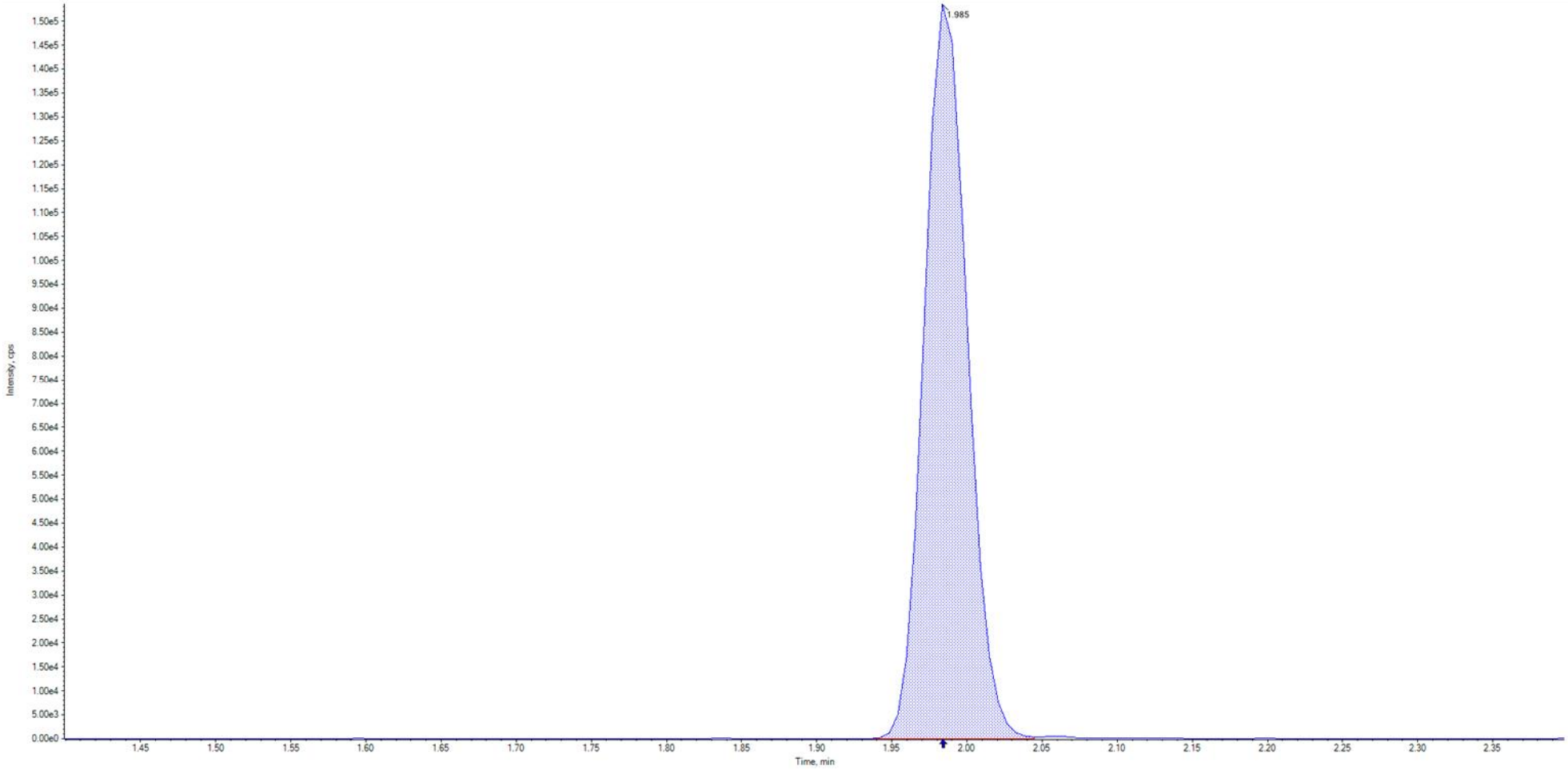
13C3-HFPO-DA
Sample: IA1633STD-5



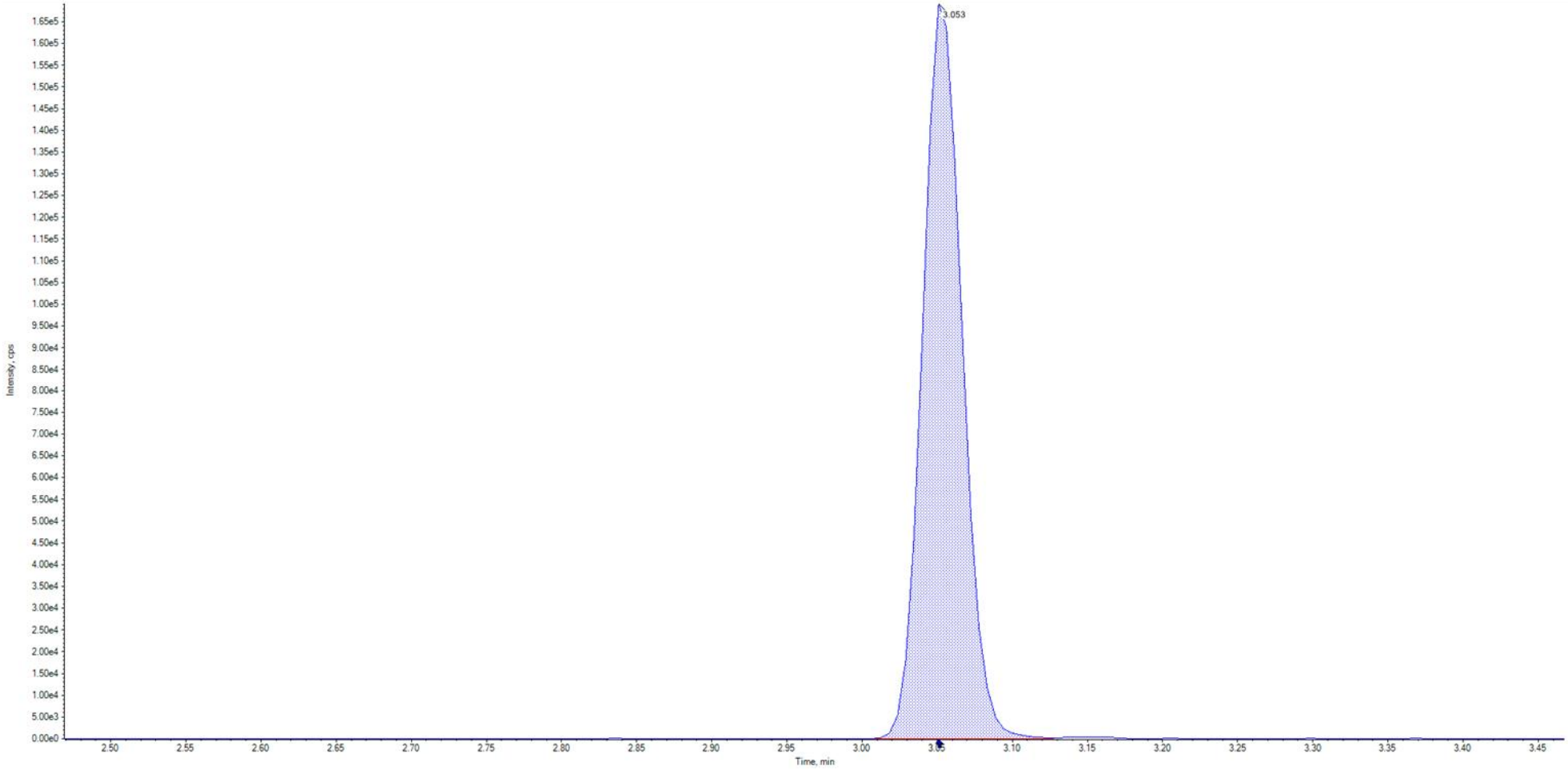
13C3-PFBA
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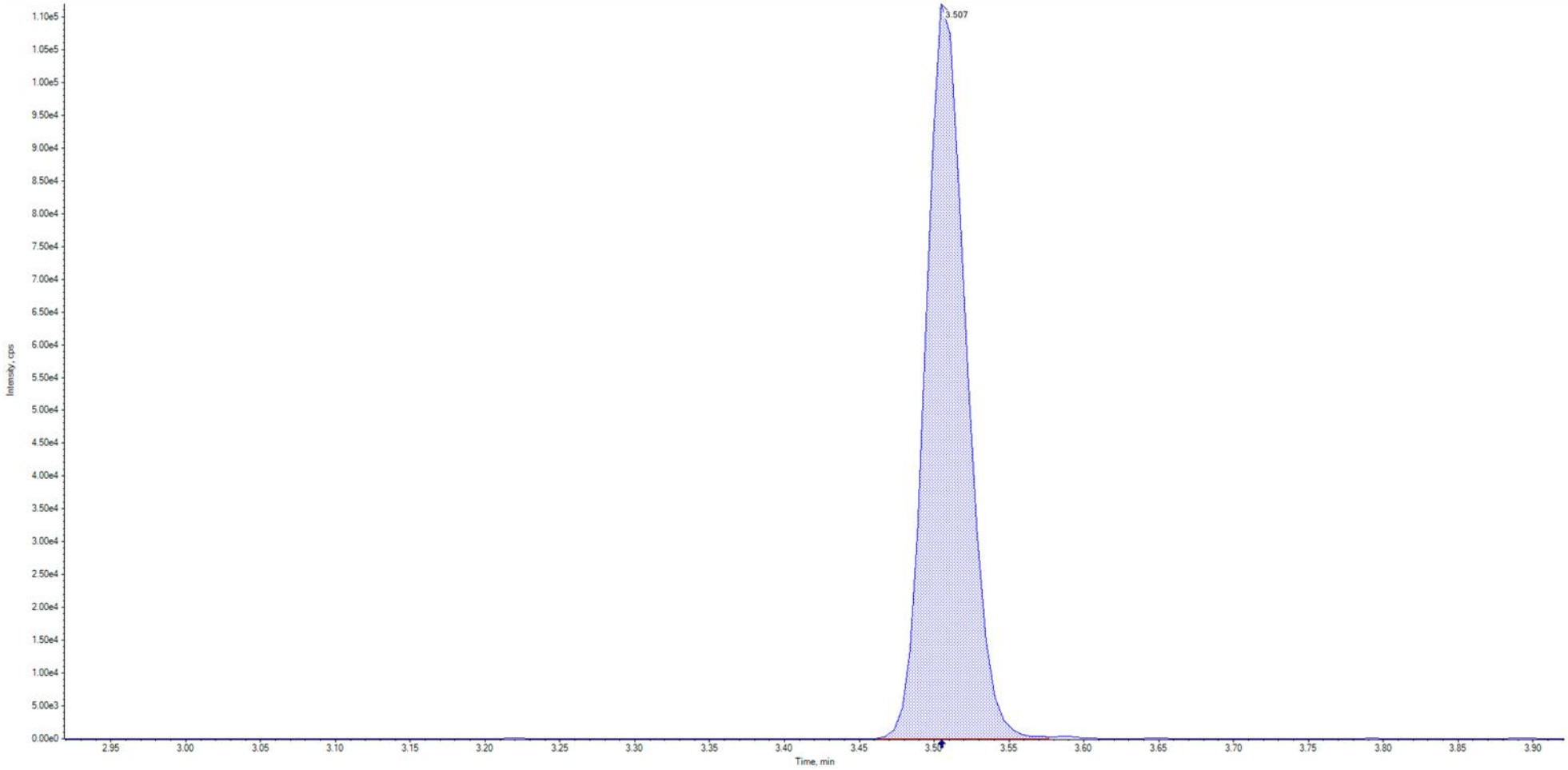
13C2-PFHxA
Sample: IA1633STD-5



13C4-PFOA
Sample: IA1633STD-5

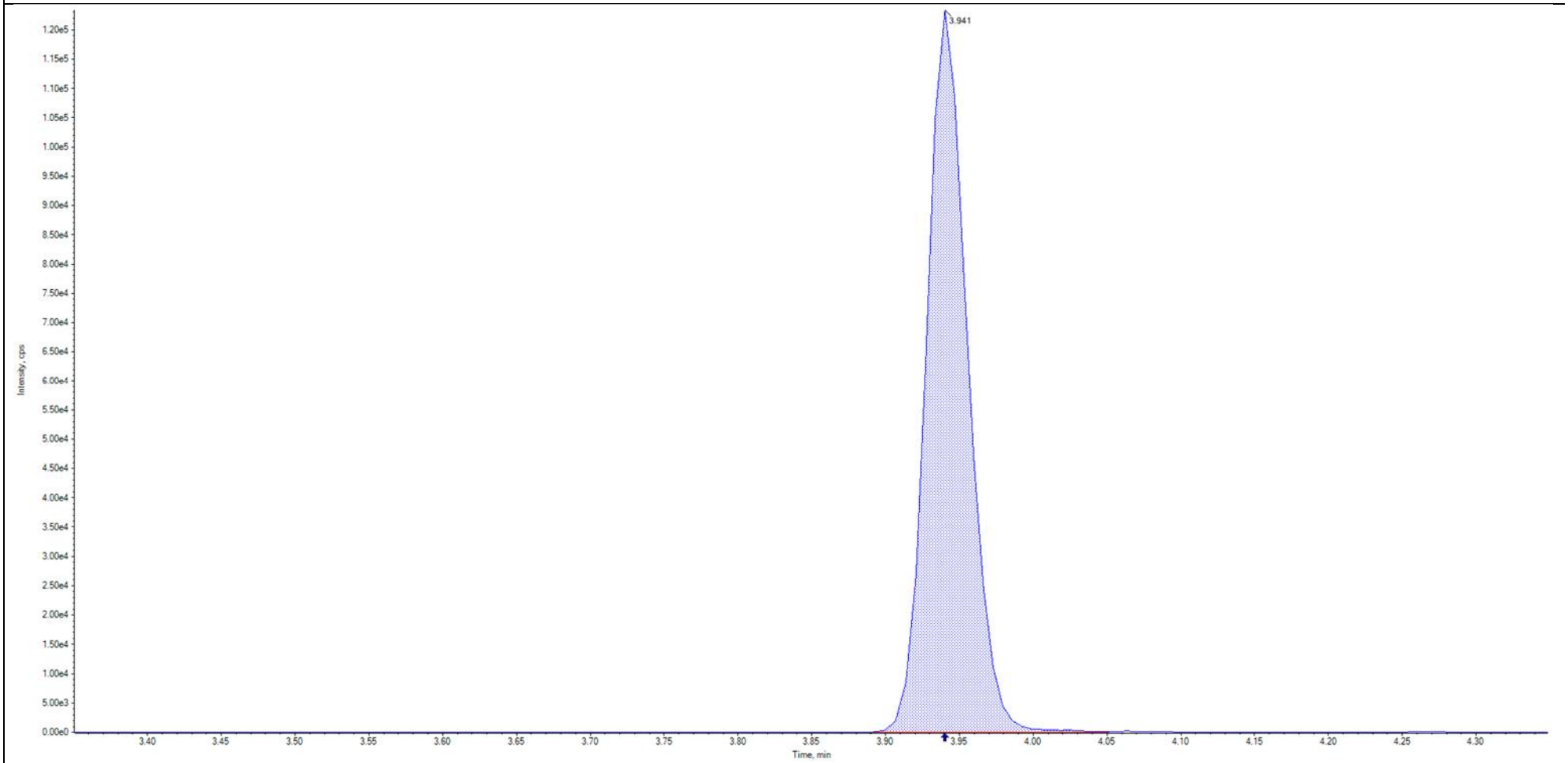


13C5-PFNA
Sample: IA1633STD-5

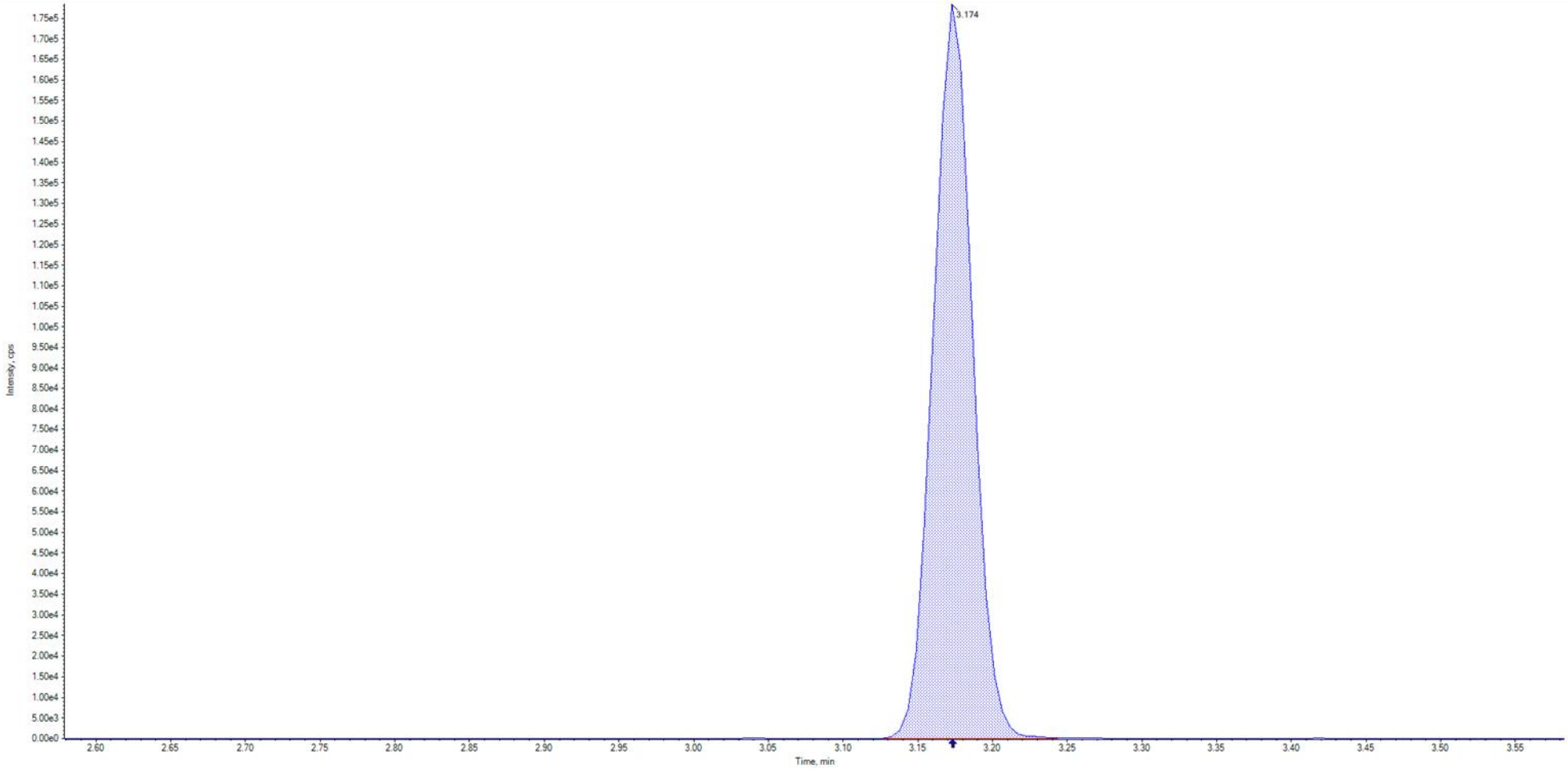


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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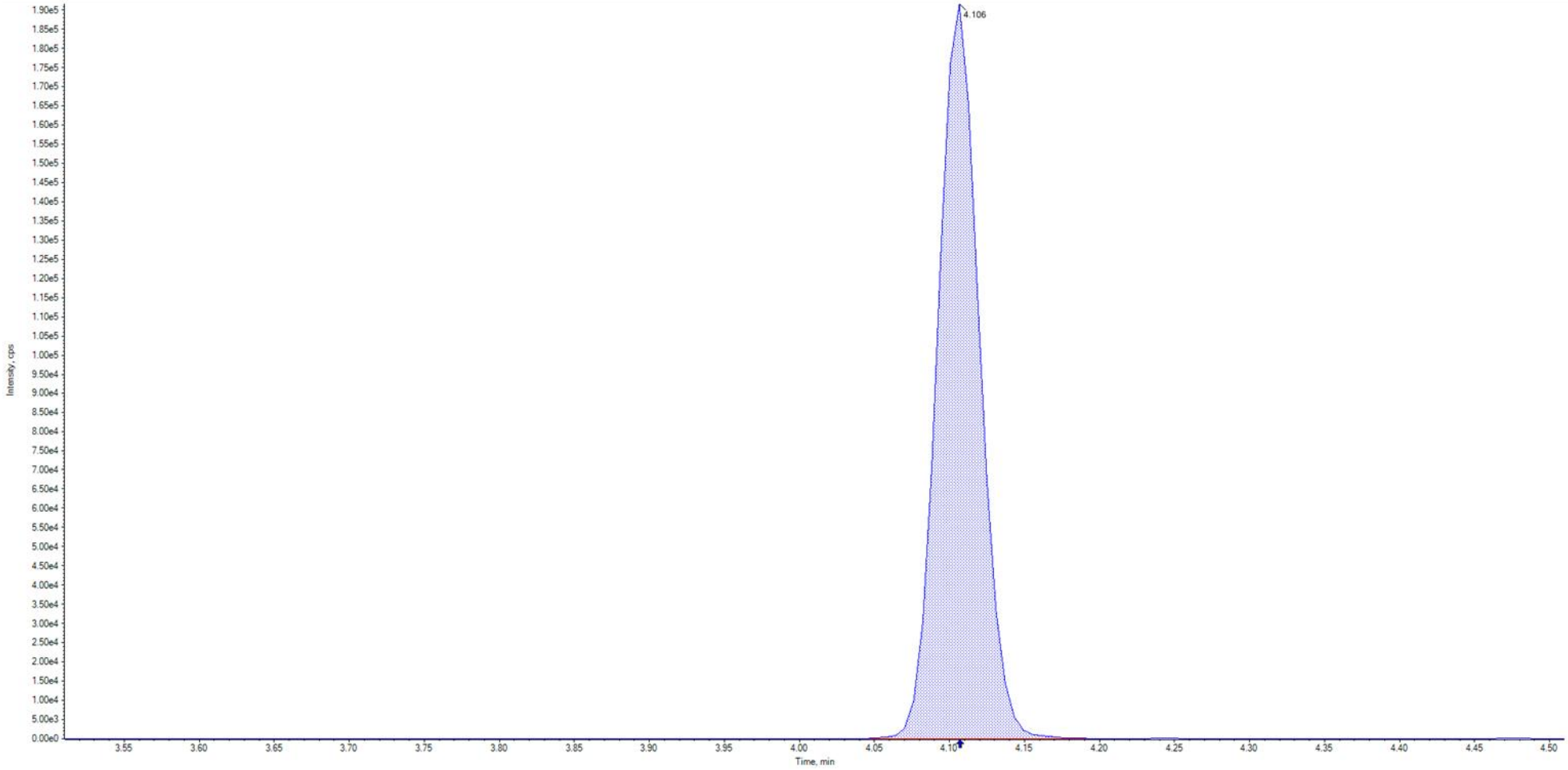
13C2-PFDA
Sample: IA1633STD-5



18O2-PFHxS
Sample: IA1633STD-5



13C4-PFOS
Sample: IA1633STD-5



Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_15.wiff2_5
Last Altered: 12/16/2024 8:11:58 PM
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Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Method: EPA1633F.qmethod
Calibration: 241216_EPA1633_ICAL

ID: IA1633STD-12.5
Name: SCI08_241216_16.wiff2
Date & Time: 2024-12-16T15:51:49
Description: WG2009822,,EPA1633F_241008_CAL_L6
Instrument: SCIEX Triple Quad 5500+
User: LCMS08:JW

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.64	213.0 / 169.0	4900340		53.870	N/A	N/A	N/A	107.7
2	PFPeA	2706-90-3	1.24	263.0 / 219.0	2412169		26.498	0.008	0.008	Pass	106.0
3	PFPeA_2	2706-90-3	1.24	263.0 / 68.9	19555		26.318	0.008	0.008	Pass	105.3
4	PFHxA	307-24-4	2.01	313.0 / 269.0	1764802		13.020	0.087	0.084	Pass	104.2
5	PFHxA_2	307-24-4	2.00	313.0 / 119.0	152669		14.075	0.087	0.084	Pass	112.6
6	PFHpA	375-85-9	2.58	363.1 / 319.0	1695551		12.300	0.467	0.404	Pass	98.4
7	PFHpA_2	375-85-9	2.58	363.1 / 169.0	792236		13.598	0.467	0.404	Pass	108.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	3.07	413.1 / 369.1	1678929	M5	13.189	0.534	0.562	Pass	105.5
9	PFOA_2	335-67-1	3.07	413.1 / 169.0	896088	M5	13.492	0.534	0.562	Pass	107.9
10	PFNA	375-95-1	3.52	462.8 / 418.9	1420670	M5	13.480	0.475	0.464	Pass	107.8
11	PFNA_2	375-95-1	3.52	462.8 / 219.0	675176	M5	14.073	0.475	0.464	Pass	112.6
12	PFDA	335-76-2	3.96	513.1 / 469.1	1907282		13.583	0.264	0.264	Pass	108.7
13	PFDA_2	335-76-2	3.96	513.1 / 219.0	504081		14.119	0.264	0.264	Pass	113.0
14	PFUnA	2058-94-8	4.38	563.1 / 519.1	2126284		13.411	0.223	0.204	Pass	107.3
15	PFUnA_2	2058-94-8	4.38	563.1 / 269.0	474886		14.451	0.223	0.204	Pass	115.6
16	PFDoA	307-55-1	4.80	613.1 / 569.1	2537996		14.376	0.196	0.194	Pass	115.0
17	PFDoA_2	307-55-1	4.80	613.1 / 319.0	497912		13.851	0.196	0.194	Pass	110.8
18	PFTrDA	72629-94-8	5.20	663.1 / 619.1	2748008		13.729	0.189	0.193	Pass	109.8
19	PFTrDA_2	72629-94-8	5.20	663.1 / 169.0	518677		13.917	0.189	0.193	Pass	111.3
20	PFTeDA	376-06-7	5.59	713.1 / 669.1	3342386		14.212	0.154	0.163	Pass	113.7
21	PFTeDA_2	376-06-7	5.59	713.1 / 169.0	514875		13.787	0.154	0.163	Pass	110.3
22	PFBS	375-73-5	2.02	299.1 / 80.1	2359501		12.111	0.336	0.353	Pass	109.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	2.02	299.1 / 99.1	792365		11.794	0.336	0.353	Pass	106.3
24	PFPeS	2706-91-4	2.66	349.1 / 80.1	2342448		12.472	0.274	0.294	Pass	105.7
25	PFPeS_2	2706-91-4	2.66	349.1 / 99.1	641366		12.321	0.274	0.294	Pass	104.4
26	PFHxS	355-46-4	3.19	399.1 / 80.1	2046531	M5	11.863	0.287	0.292	Pass	104.1
27	PFHxS_2	355-46-4	3.19	399.1 / 99.1	588138	M5	11.673	0.287	0.292	Pass	102.4
28	PFHpS	375-92-8	3.67	449.1 / 80.1	2213699		12.579	0.265	0.274	Pass	105.7
29	PFHpS_2	375-92-8	3.67	449.1 / 99.1	587211		12.628	0.265	0.274	Pass	106.1
30	PFOS	1763-23-1	4.12	499.1 / 80.1	2696034	M5	11.675	0.216	0.223	Pass	100.7
31	PFOS_2	1763-23-1	4.12	499.1 / 99.1	581178	M5	11.973	0.216	0.223	Pass	103.2
32	PFNS	68259-12-1	4.55	549.1 / 80.1	2653763		13.214	0.277	0.281	Pass	110.1
33	PFNS_2	68259-12-1	4.55	549.1 / 99.1	735225		13.088	0.277	0.281	Pass	109.1
34	PFDS	335-77-3	4.97	599.1 / 80.1	2822054		13.254	0.262	0.267	Pass	109.5
35	PFDS_2	335-77-3	4.97	599.1 / 99.1	740560		13.066	0.262	0.267	Pass	108.0
36	PFDoS	79780-39-5	5.76	699.2 / 80.1	2986802		12.959	0.220	0.225	Pass	107.1
37	PFDoS_2	79780-39-5	5.76	699.2 / 99.1	656889		12.764	0.220	0.225	Pass	105.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	1.78	327.1 / 307.1	1450106		50.926	0.653	0.637	Pass	108.6
39	4:2FTS_2	757124-72-4	1.78	327.1 / 81.1	946735		50.499	0.653	0.637	Pass	107.7
40	6:2FTS	27619-97-2	2.88	427.2 / 407.2	1476650		51.389	0.593	0.571	Pass	108.0
41	6:2FTS_2	27619-97-2	2.88	427.2 / 81.1	875219		49.522	0.593	0.571	Pass	104.0
42	8:2FTS	39108-34-4	3.76	527.2 / 507.2	1468969		53.981	0.777	0.758	Pass	112.5
43	8:2FTS_2	39108-34-4	3.76	527.2 / 81.1	1141669		53.922	0.777	0.758	Pass	112.3
44	PFOSA	754-91-6	5.20	498.1 / 78.1	3304968	M5	13.534	0.023	0.023	Pass	108.3
45	PFOSA_2	754-91-6	5.19	498.1 / 478.0	77621	M5	12.344	0.023	0.023	Pass	98.8
46	NMeFOSA	31506-32-8	5.94	512.2 / 219.0	745928	M5	13.658	1.435	1.447	Pass	109.3
47	NMeFOSA_2	31506-32-8	5.88	512.2 / 169.0	1070374	M5	13.484	1.435	1.447	Pass	107.9
48	NEtFOSA	4151-50-2	6.23	526.2 / 219.0	740141		13.539	1.296	1.299	Pass	108.3
49	NEtFOSA_2	4151-50-2	6.19	526.2 / 169.0	959444		13.436	1.296	1.299	Pass	107.5
50	NMeFOSAA	2355-31-9	4.06	570.2 / 419.1	466053		13.207	0.602	0.605	Pass	105.7
51	NMeFOSAA_2	2355-31-9	4.06	570.2 / 483.0	280756	M5	13.031	0.602	0.605	Pass	104.3
52	NEtFOSAA	2991-50-6	4.27	584.2 / 419.1	450467	M5	13.558	0.506	0.518	Pass	108.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.27	584.2 / 526.2	227890	M5	13.762	0.506	0.518	Pass	110.1
54	NMeFOSE	24448-09-7	5.80	616.1 / 58.9	10670177	M5	137.937	N/A	N/A	N/A	110.4
55	NEtFOSE	1691-99-2	6.10	630.0 / 58.9	13725656	M5	137.404	N/A	N/A	N/A	109.9
56	HFPO-DA	13252-13-6	2.22	285.0 / 169.0	6006148		54.383	0.471	0.474	Pass	108.8
57	HFPO-DA_2	13252-13-6	2.22	285.0 / 184.9	2828075		54.013	0.471	0.474	Pass	108.0
58	ADONA	919005-14-4	2.76	376.9 / 251.0	12002764		49.713	0.688	0.740	Pass	105.2
59	ADONA_2	919005-14-4	2.76	376.9 / 84.8	8259971		47.950	0.688	0.740	Pass	101.5
60	9Cl-PF3ONS	756426-58-1	4.42	530.8 / 351.1	16724708		46.874	0.337	0.340	Pass	100.4
61	9Cl-PF3ONS_2	756426-58-1	4.42	532.8 / 353.0	5634215		46.960	0.337	0.340	Pass	100.6
62	11Cl-PF3OUdS	763051-92-9	5.25	630.9 / 451.0	17200212		45.869	0.340	0.328	Pass	97.2
63	11Cl-PF3OUdS_2	763051-92-9	5.25	632.9 / 452.9	5855754		46.954	0.340	0.328	Pass	99.5
64	3:3FTCA	356-02-5	1.58	241.1 / 177.1	538737		67.108	0.990	0.996	Pass	107.4
65	3:3FTCA_2	356-02-5	1.58	241.1 / 117.0	533402		68.340	0.990	0.996	Pass	109.3
66	5:3FTCA	914637-49-3	3.03	341.1 / 237.1	10821486		334.843	1.042	1.037	Pass	107.2
67	5:3FTCA_2	914637-49-3	3.03	341.1 / 217.0	11279539		336.661	1.042	1.037	Pass	107.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	4.05	441.1 / 316.9	11396053		358.393	1.124	1.181	Pass	114.7
69	7:3FTCA_2	812-70-4	4.05	441.1 / 337.1	12807804		353.009	1.124	1.181	Pass	113.0
70	PFEESA	113507-82-7	2.33	315.1 / 135.0	11746550		24.603	0.079	0.078	Pass	110.3
71	PFEESA_2	113507-82-7	2.33	315.1 / 82.9	926364		23.555	0.079	0.078	Pass	105.6
72	PFMPA	377-73-1	0.80	229.0 / 85.0	2837922		26.888	N/A	N/A	N/A	107.6
73	PFMBA	863090-89-5	1.50	279.0 / 85.0	3563480		26.420	N/A	N/A	N/A	105.7
74	NFDHA	151772-58-6	1.93	295.0 / 201.0	1441895		25.214	0.818	0.765	Pass	100.9
75	NFDHA_2	151772-58-6	1.93	295.0 / 84.9	1179582		26.495	0.818	0.765	Pass	106.0
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	5.845	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	5.845	N/A	N/A
78	13C2D4-4:2FTS	Surr	1.77	333.2 / 312.1	132735		4.997	N/A	N/A	N/A	100.0
79	13C2-PFOA	Surr	3.07	415.0 / 370.0	436265		2.558	N/A	N/A	N/A	102.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.63	217.0 / 172.0	1099817		9.747	NA	NA	NA	97.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.24	268.0 / 223.0	504906		4.881	NA	NA	NA	97.6
	13C5-PFHxA	EIS	2.00	318.0 / 273.0	320021		2.498	NA	NA	NA	99.9
	13C4-PFHpA	EIS	2.58	367.0 / 322.0	405185		2.506	NA	NA	NA	100.3
	13C8-PFOA	EIS	3.07	420.8 / 376.0	456623		2.365	NA	NA	NA	94.6
	13C9-PFNA	EIS	3.52	472.0 / 427.0	218796		1.159	NA	NA	NA	92.8
	13C6-PFDA	EIS	3.95	519.0 / 474.0	271918		1.160	NA	NA	NA	92.8
	13C7-PFUnA	EIS	4.38	570.0 / 525.0	306658		1.232	NA	NA	NA	98.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.79	615.1 / 570.0	247082		1.206	NA	NA	NA	96.5
	13C2-PFTeDA	EIS	5.58	715.1 / 670.1	300452		1.248	NA	NA	NA	99.9
	13C3-PFBS	EIS	2.01	302.1 / 80.1	481585		2.293	NA	NA	NA	98.4
	13C3-PFHxS	EIS	3.19	402.1 / 80.1	421674		2.367	NA	NA	NA	99.9
	13C8-PFOS	EIS	4.12	507.1 / 80.1	541233		2.319	NA	NA	NA	96.6
	13C2-4:2FTS	EIS	1.78	329.1 / 81.1	84498		4.265	NA	NA	NA	90.9
	13C2-6:2FTS	EIS	2.87	429.2 / 81.1	87110		4.613	NA	NA	NA	96.9
	13C2-8:2FTS	EIS	3.76	529.2 / 81.1	119939		4.505	NA	NA	NA	93.9

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C8-PFOSA	EIS	5.19	506.1 / 78.1	767776		2.290	NA	NA	NA	91.6
d3-NMeFOSA	EIS	5.93	515.2 / 219.0	122673		2.334	NA	NA	NA	93.4
d5-NEtFOSA	EIS	6.22	531.2 / 219.0	120183		2.311	NA	NA	NA	92.4
d3-NMeFOSAA	EIS	4.05	573.2 / 419.1	200756		4.779	NA	NA	NA	95.6
d5-NEtFOSAA	EIS	4.26	589.3 / 419.1	162234		4.607	NA	NA	NA	92.1
d7-NMeFOSE	EIS	5.78	623.2 / 58.9	882082		23.388	NA	NA	NA	93.6
d9-NEtFOSE	EIS	6.07	639.2 / 58.9	1098359		23.544	NA	NA	NA	94.2

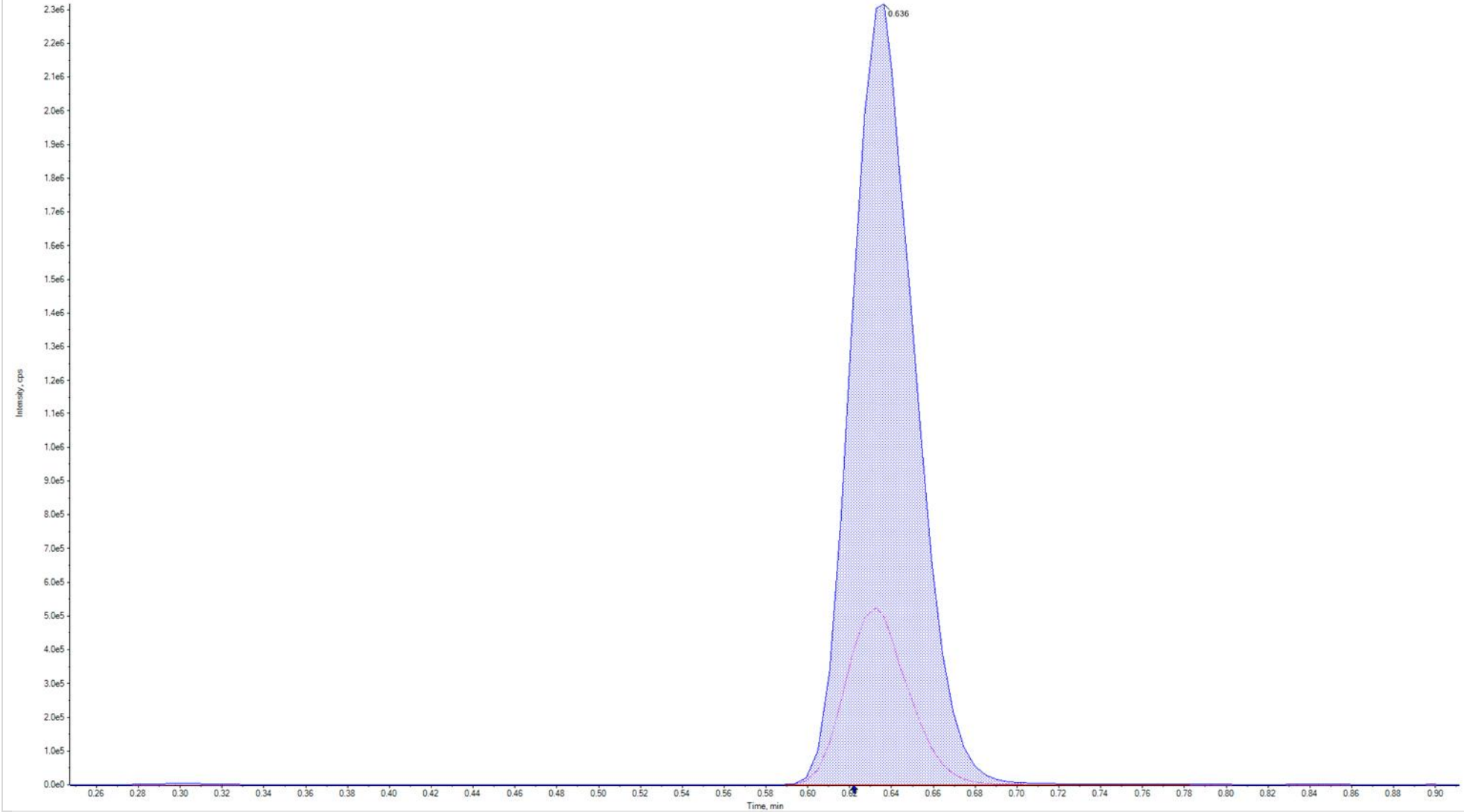
	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.22	287.0 / 169.0	1161282		9.879	NA	NA	NA	98.8
	13C3-PFBA	NIS	0.63	216.0 / 172.0	495343		5.019	NA	NA	NA	100.4
	13C2-PFHxA	NIS	2.00	315.0 / 270.0	342523		2.504	NA	NA	NA	100.2
	13C4-PFOA	NIS	3.07	417.0 / 372.0	374401		2.565	NA	NA	NA	102.6
	13C5-PFNA	NIS	3.52	468.0 / 423.0	237539		1.280	NA	NA	NA	102.4
	13C2-PFDA	NIS	3.95	515.1 / 470.1	281420		1.236	NA	NA	NA	98.9
	18O2-PFHxS	NIS	3.19	403.1 / 84.1	366857		2.399	NA	NA	NA	101.2
	13C4-PFOS	NIS	4.12	503.1 / 80.1	428982		2.522	NA	NA	NA	105.1

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

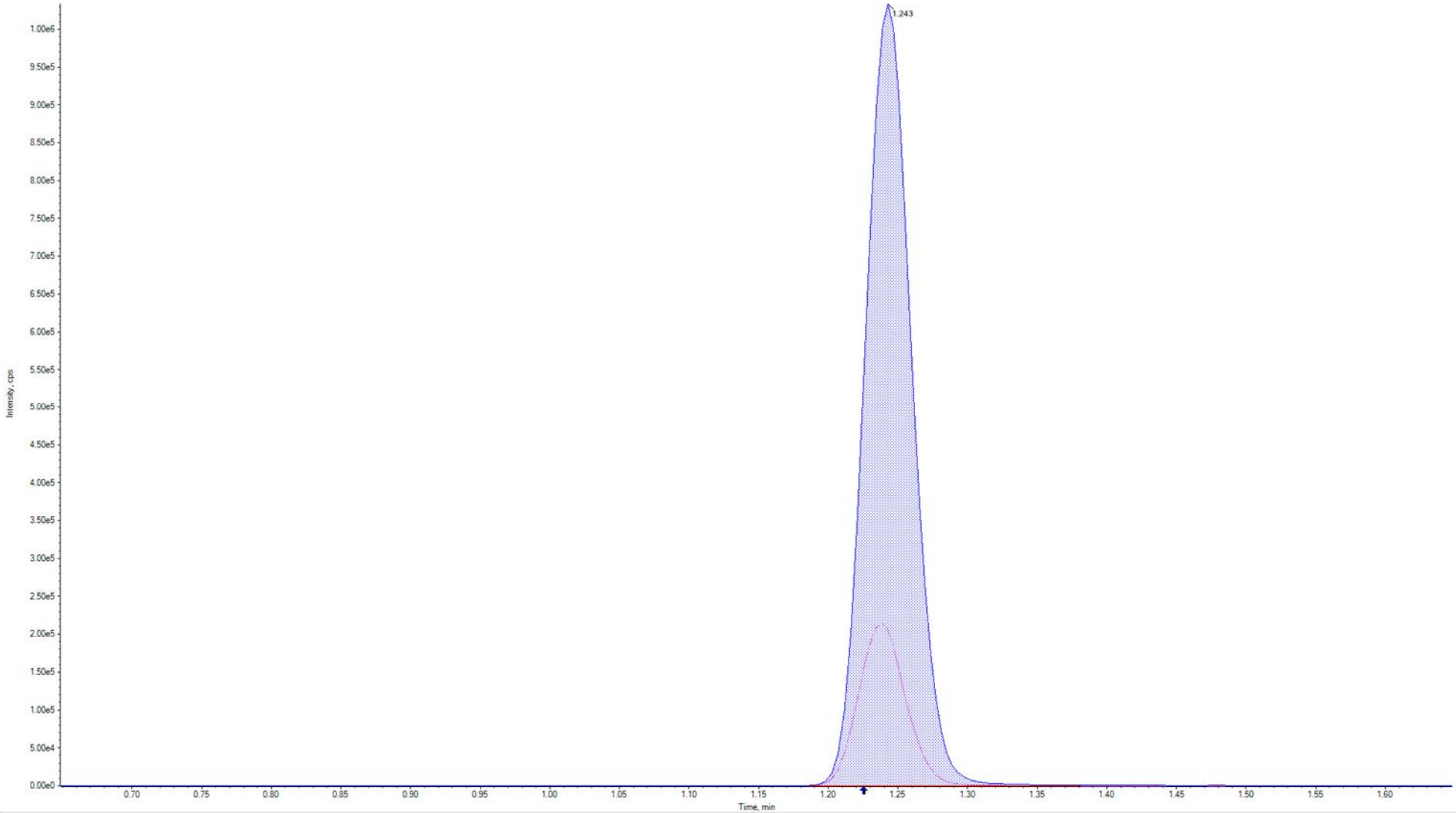
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PFBA
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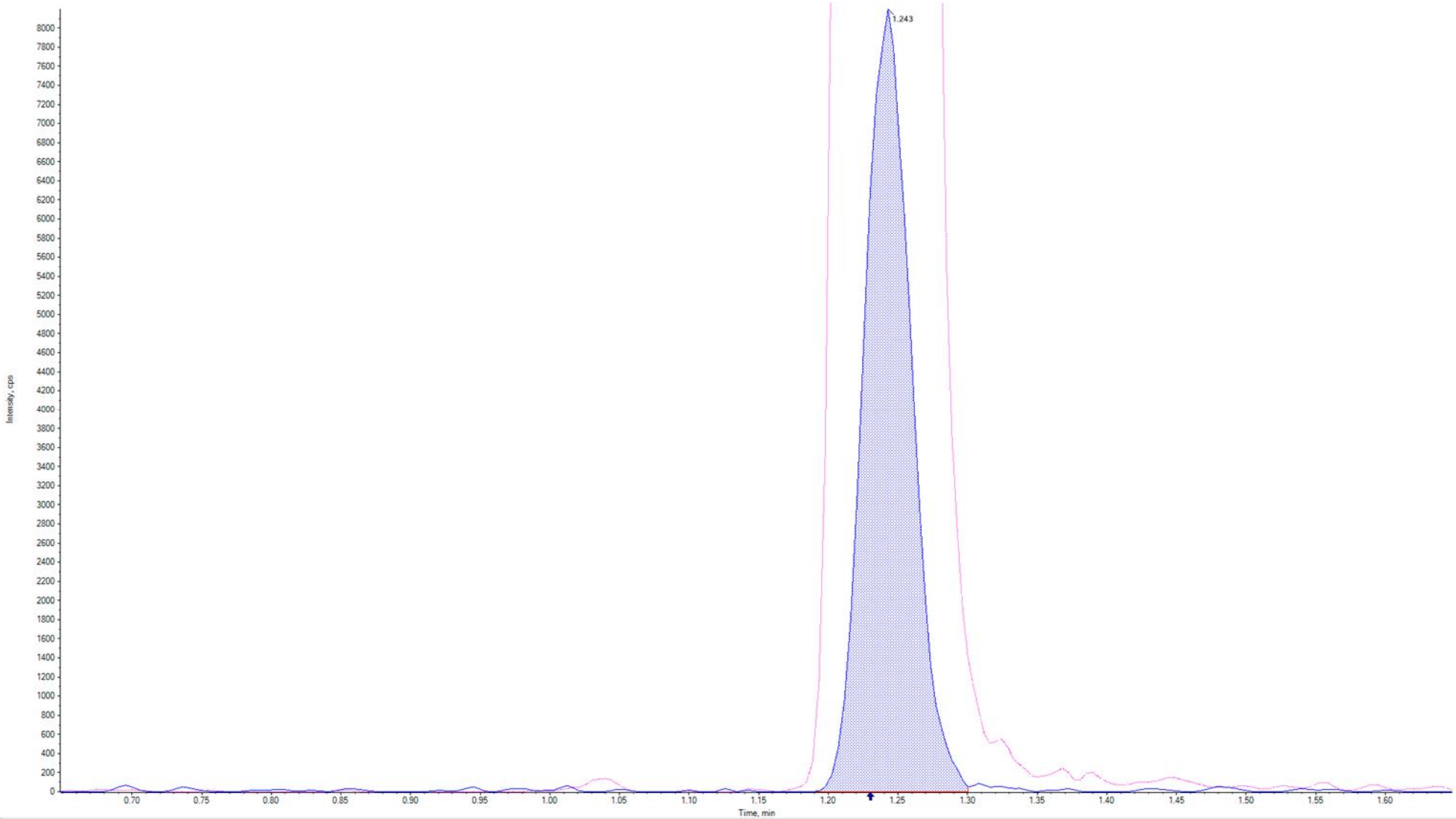
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PFPeA
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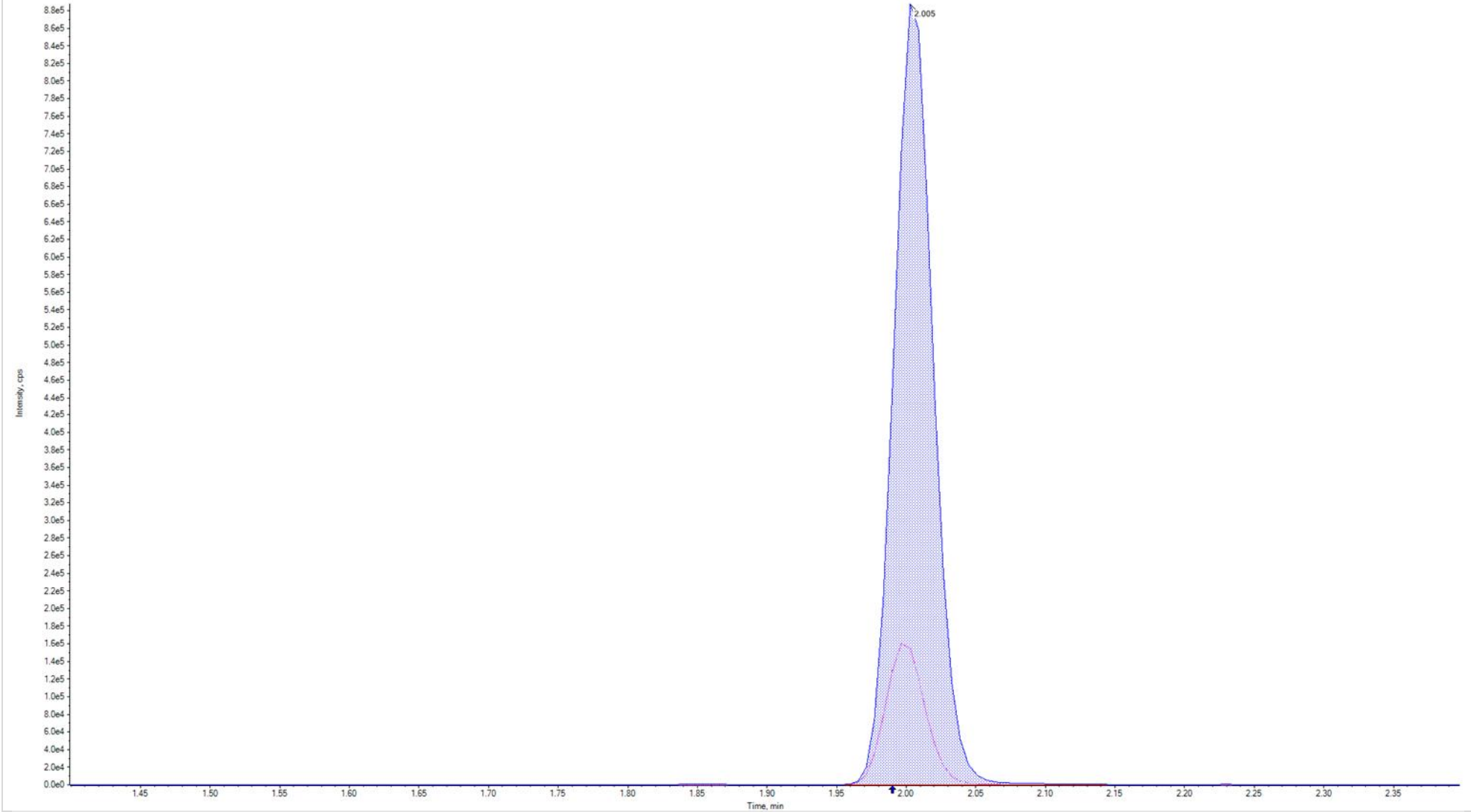
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PFPeA_2
Sample: IA1633STD-12.5 S/N:493.1 Points Across peak:29



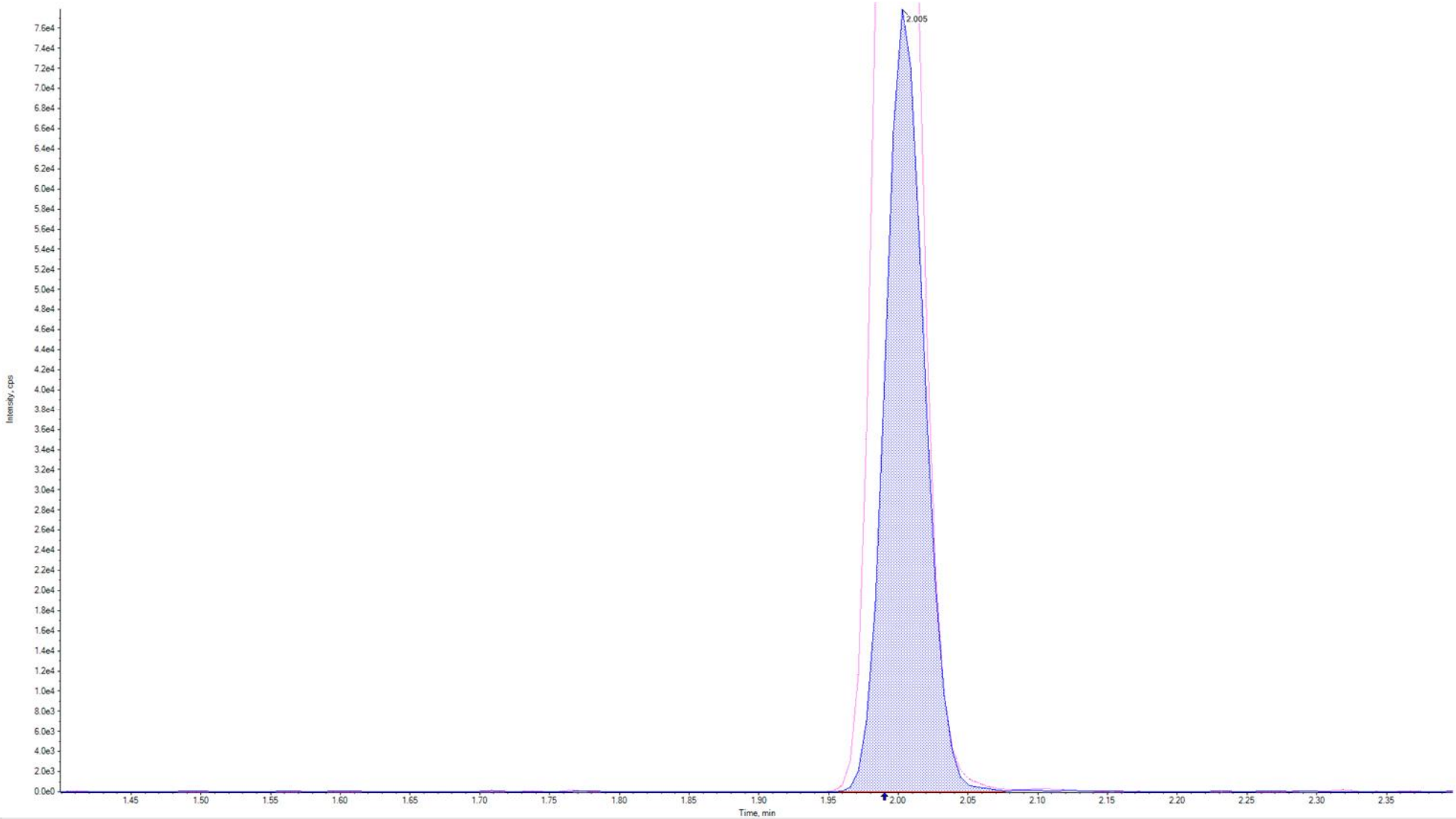
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PFHxA
Sample: IA1633STD-12.5 S/N:13771.0 Points Across peak:36



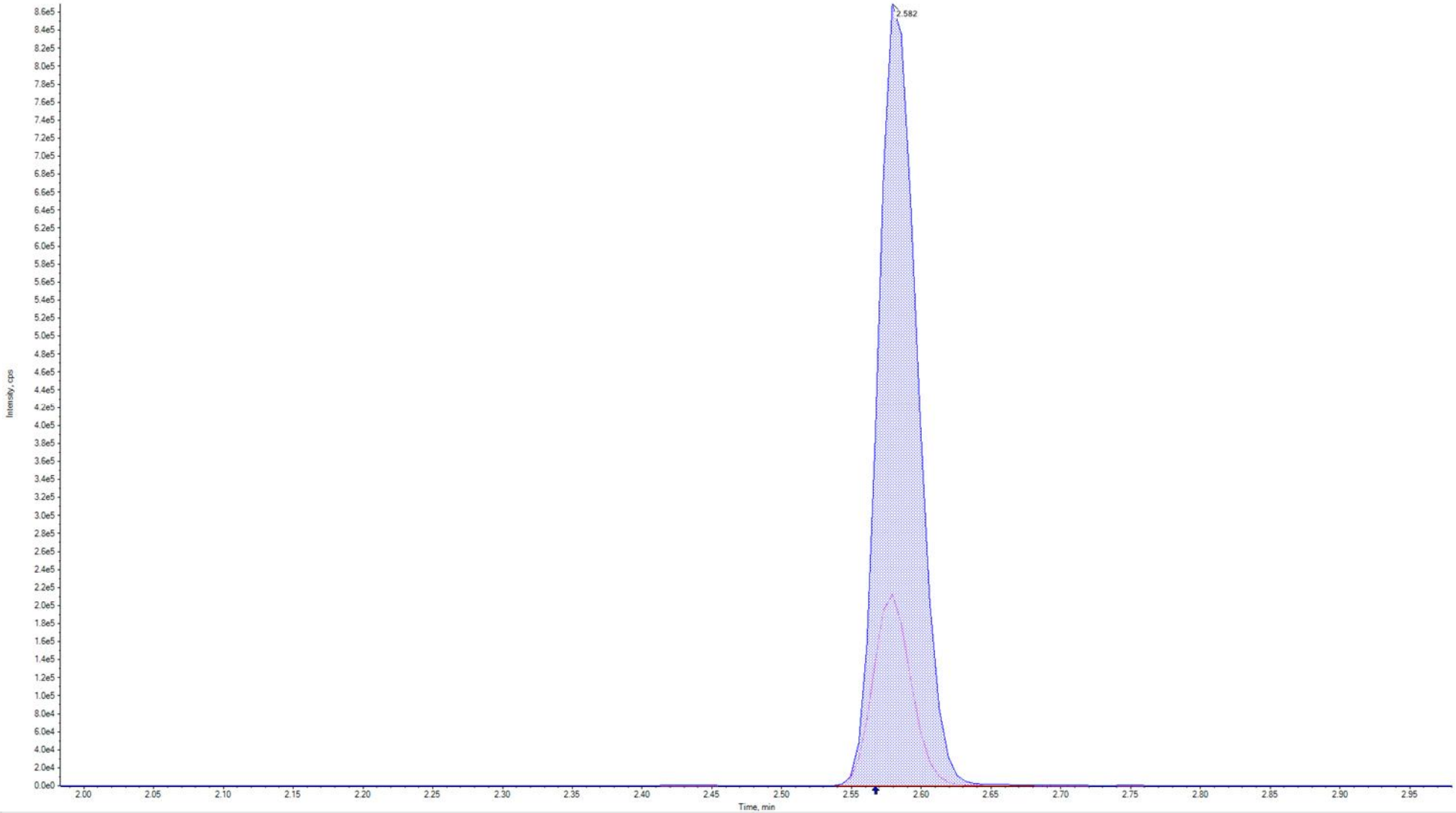
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PFHxA_2
Sample: IA1633STD-12.5 S/N:1952.5 Points Across peak:23



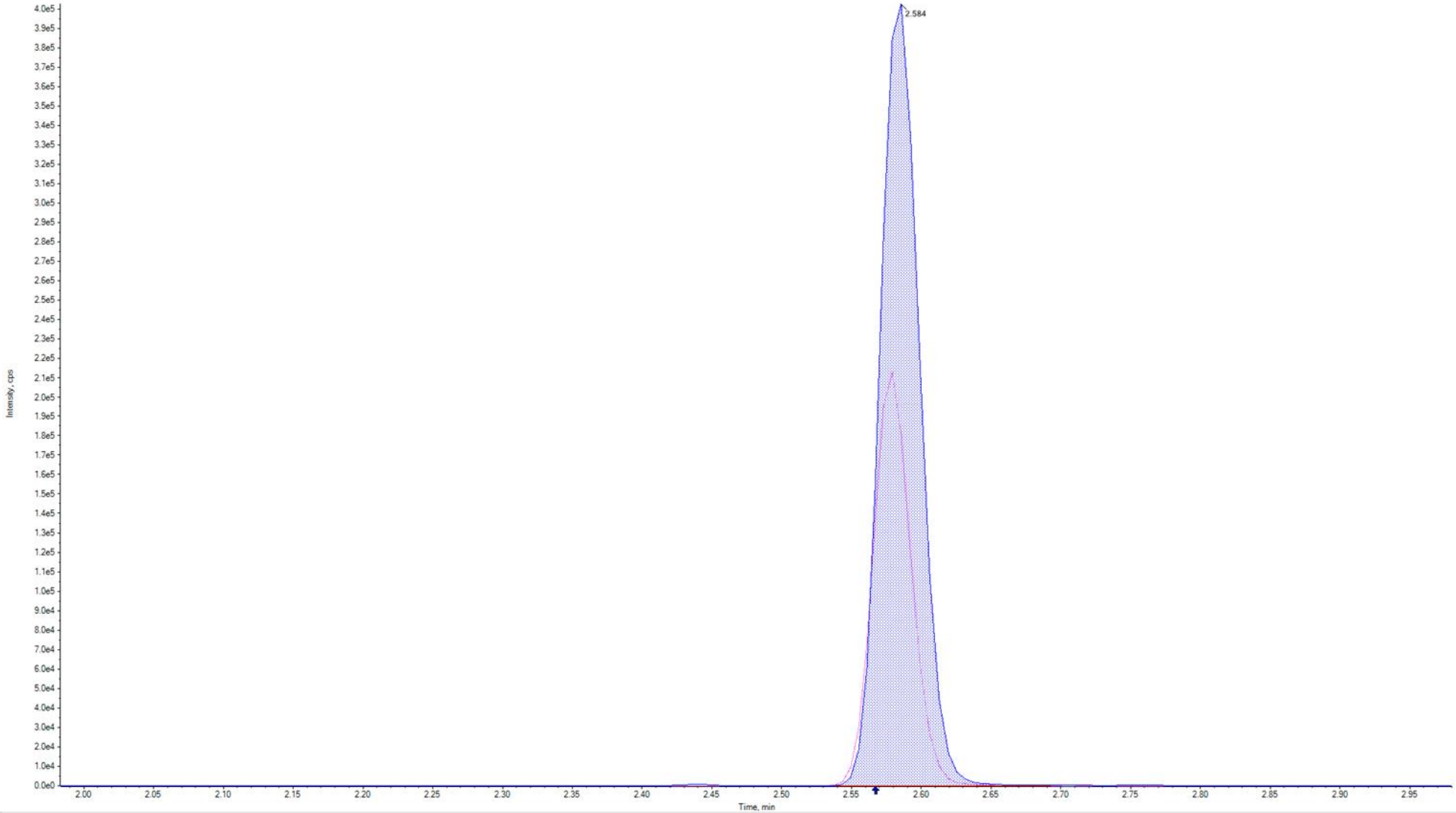
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PFHpA
Sample: IA1633STD-12.5 S/N:17429.4 Points Across peak:28



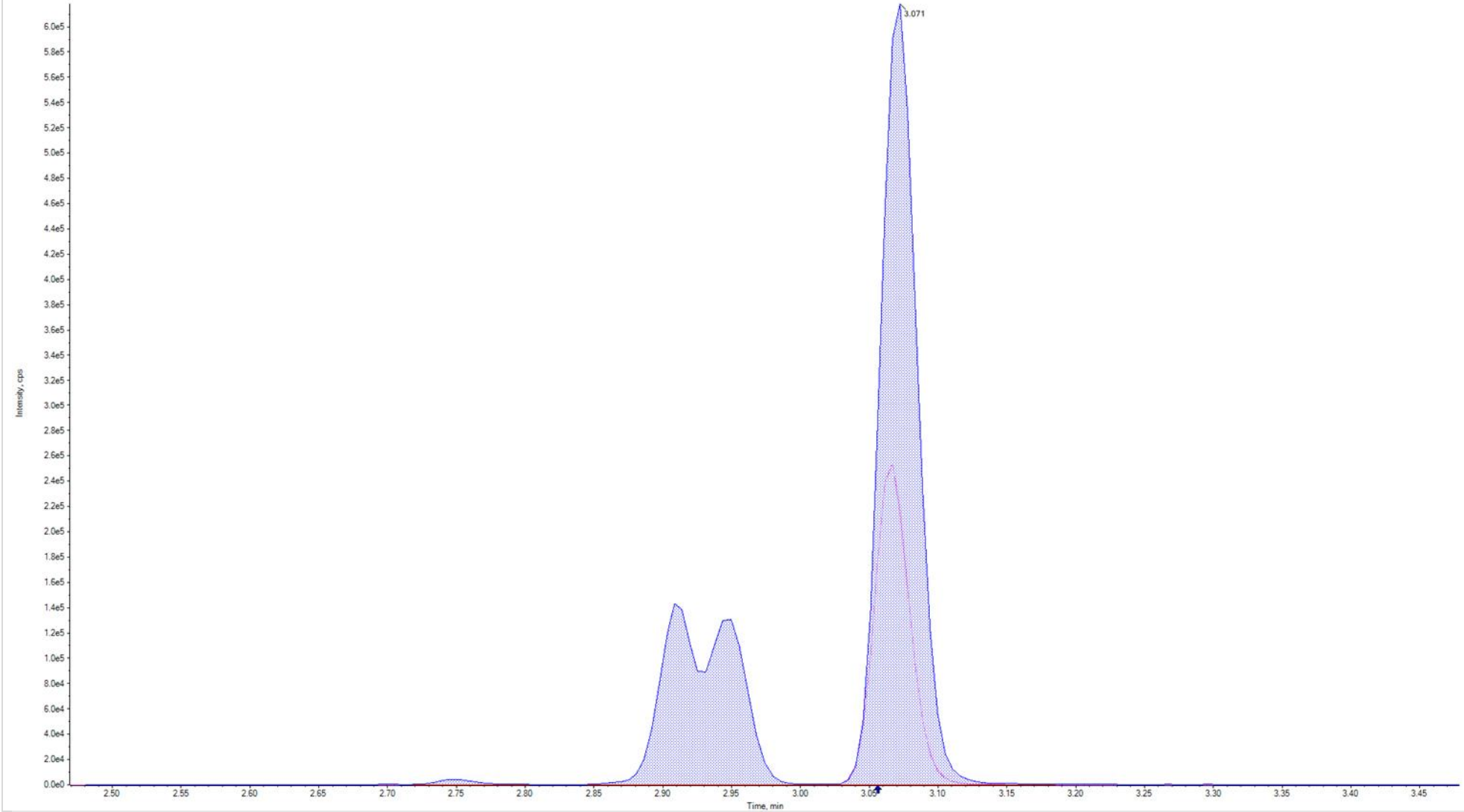
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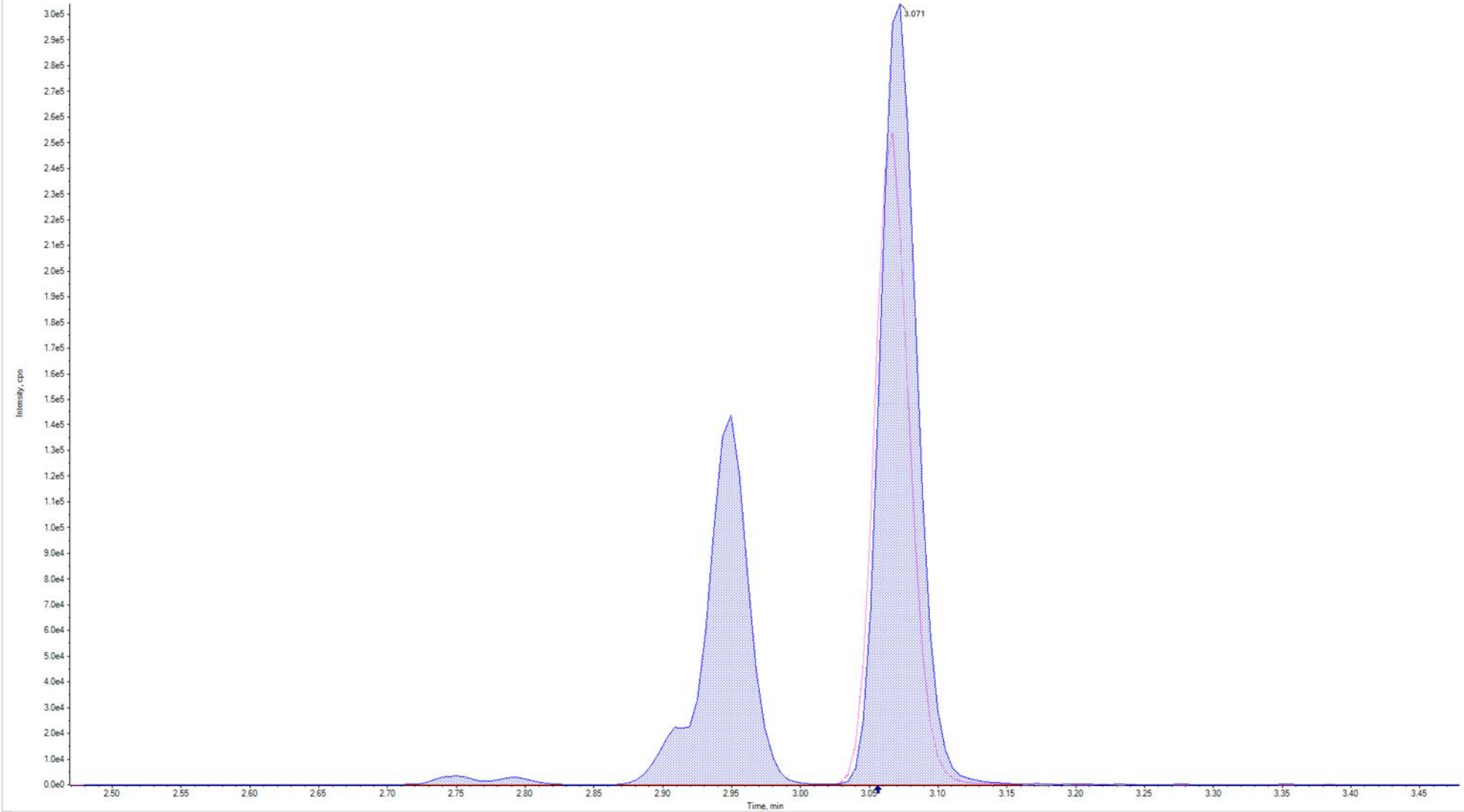
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Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_16.wiff2_6
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFOA
Sample: IA1633STD-12.5 S/N:719.1 Points Across peak:86



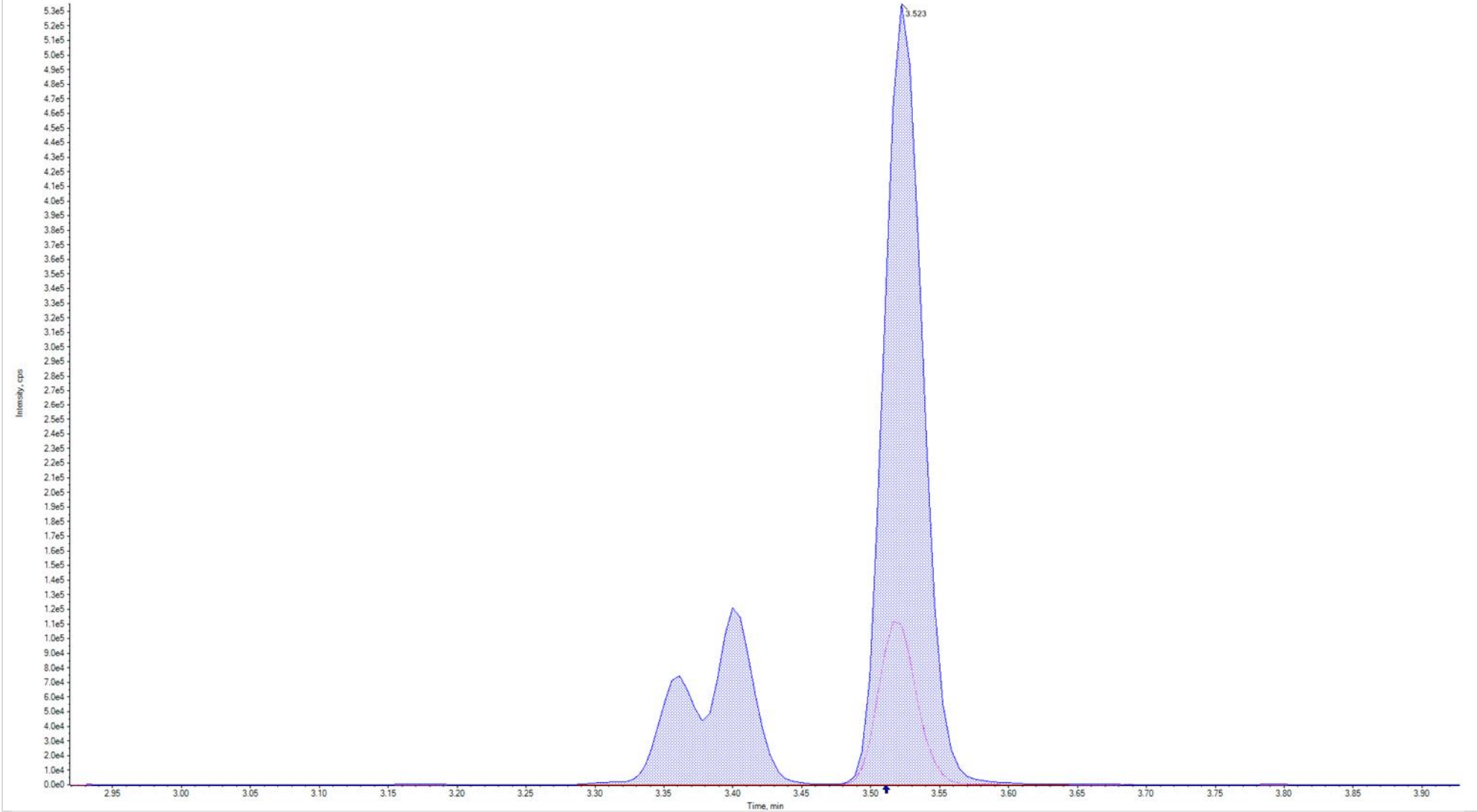
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFOA_2
Sample: IA1633STD-12.5 S/N:453.8 Points Across peak:84



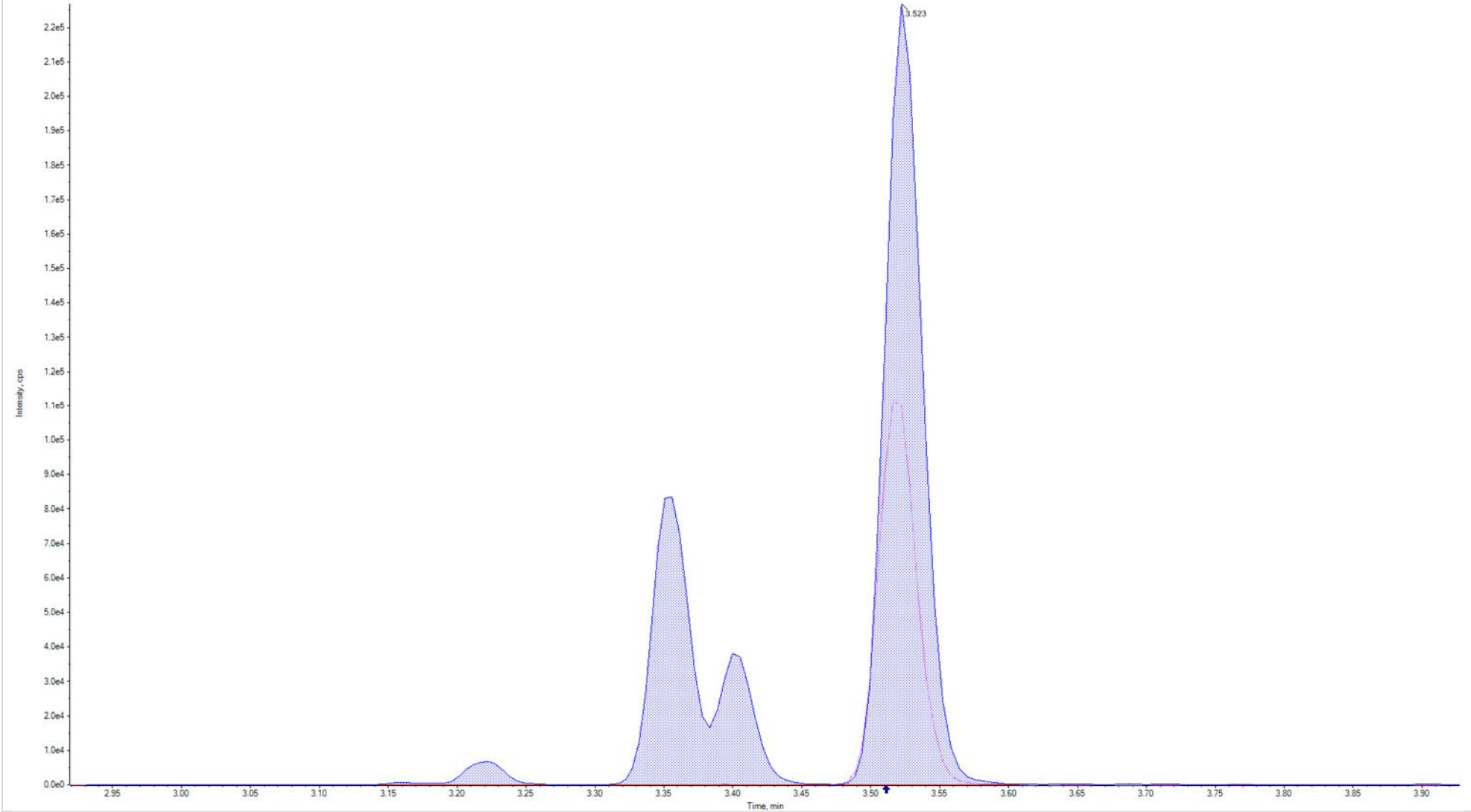
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFNA
Sample: IA1633STD-12.5 S/N:781.8 Points Across peak:69



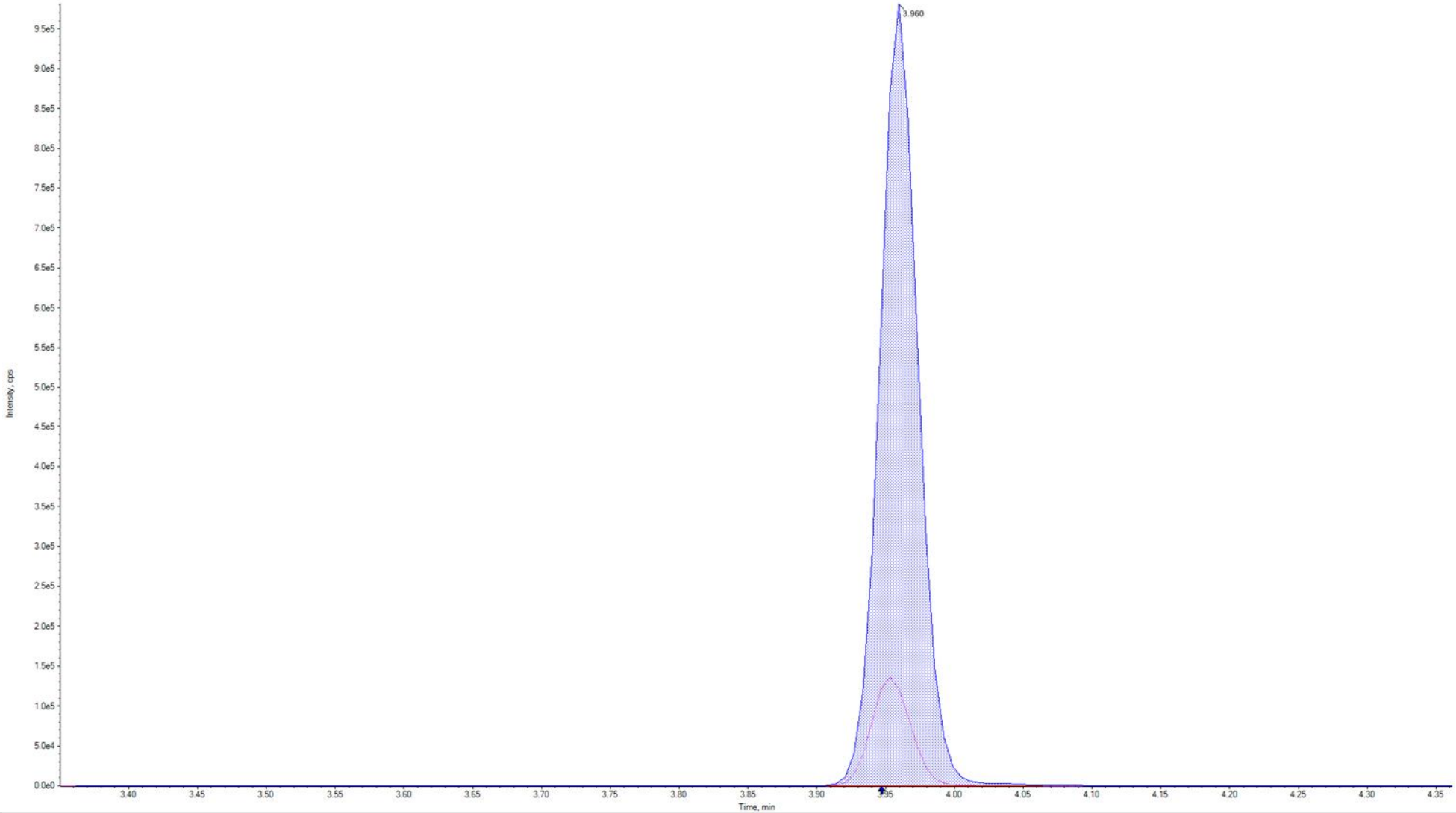
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_16.wiff2_6
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFNA_2
Sample: IA1633STD-12.5 S/N:408.8 Points Across peak:91



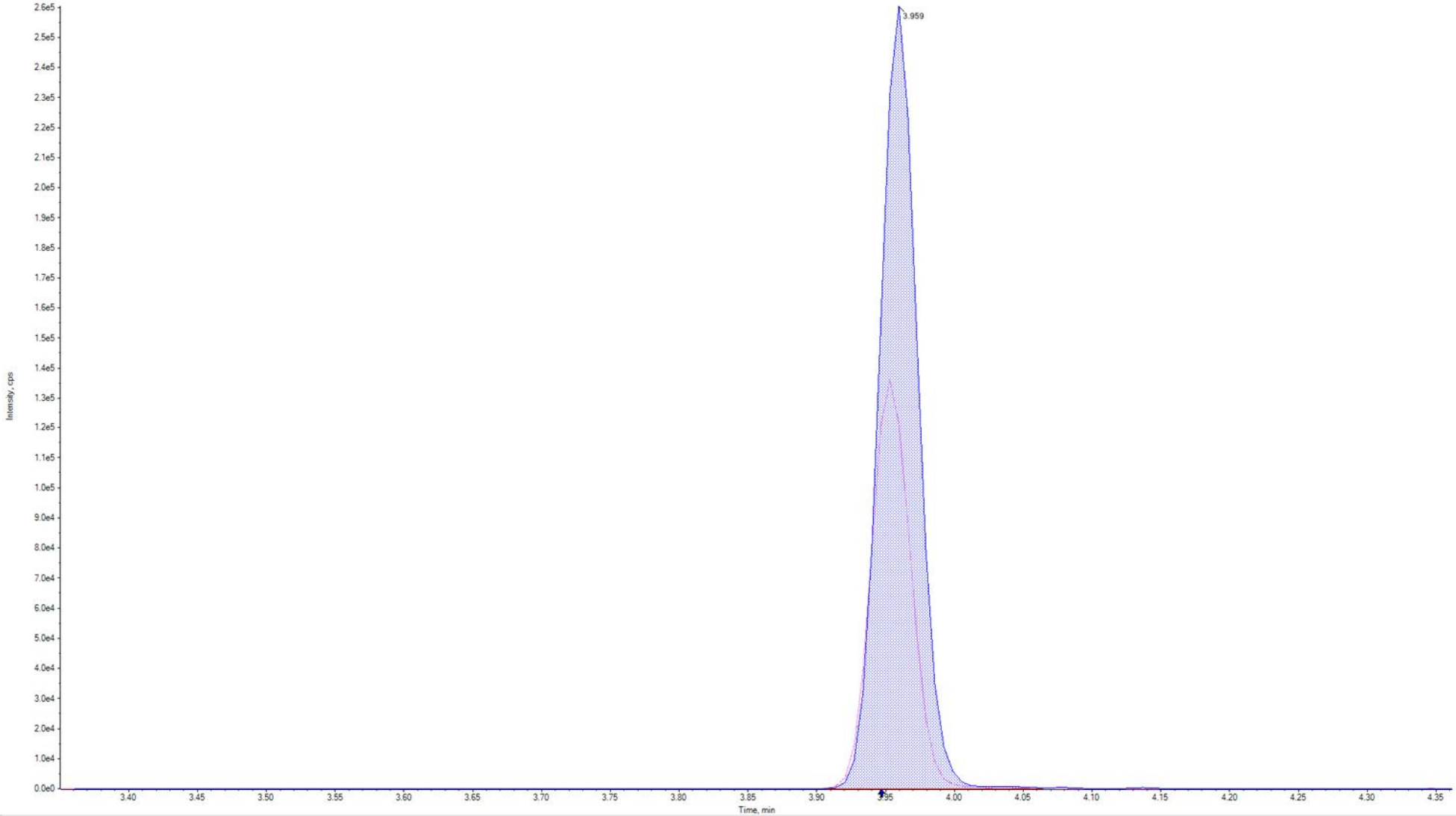
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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PFDA
Sample: IA1633STD-12.5 S/N:4745.4 Points Across peak:30



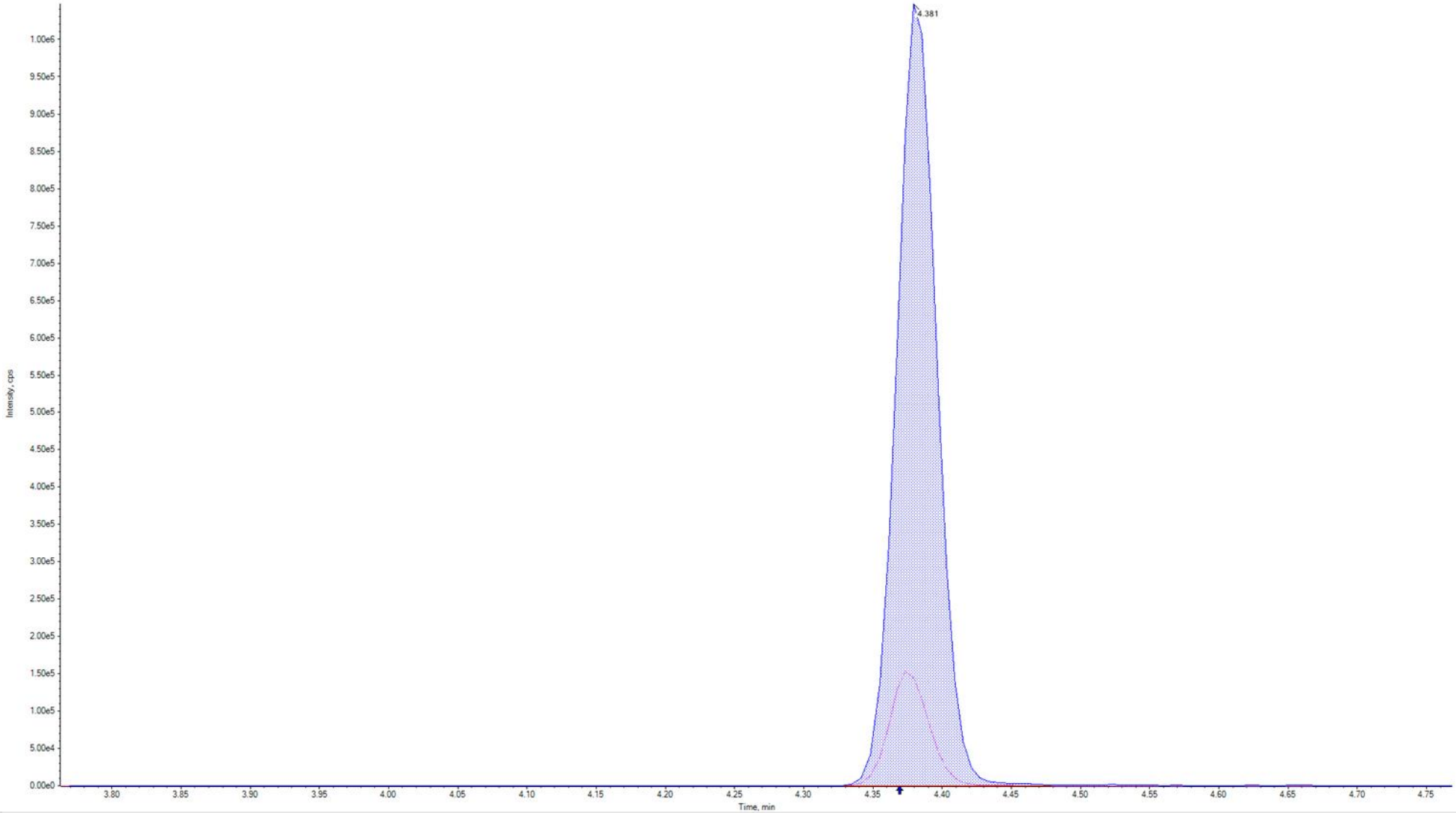
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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PFDA_2
Sample: IA1633STD-12.5 S/N:5222.1 Points Across peak:33



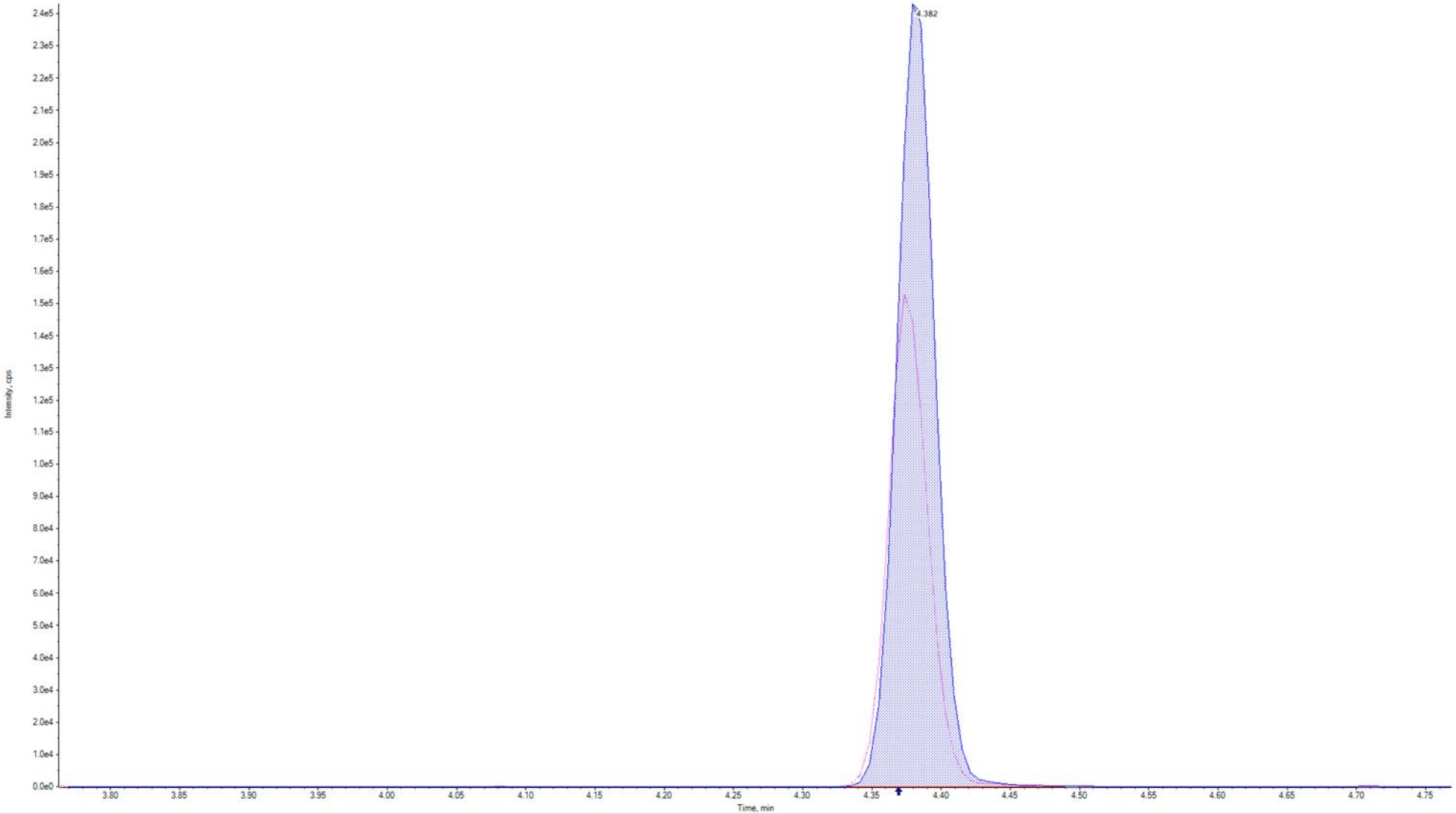
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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PFUnA
Sample: IA1633STD-12.5 S/N:23628.1 Points Across peak:27



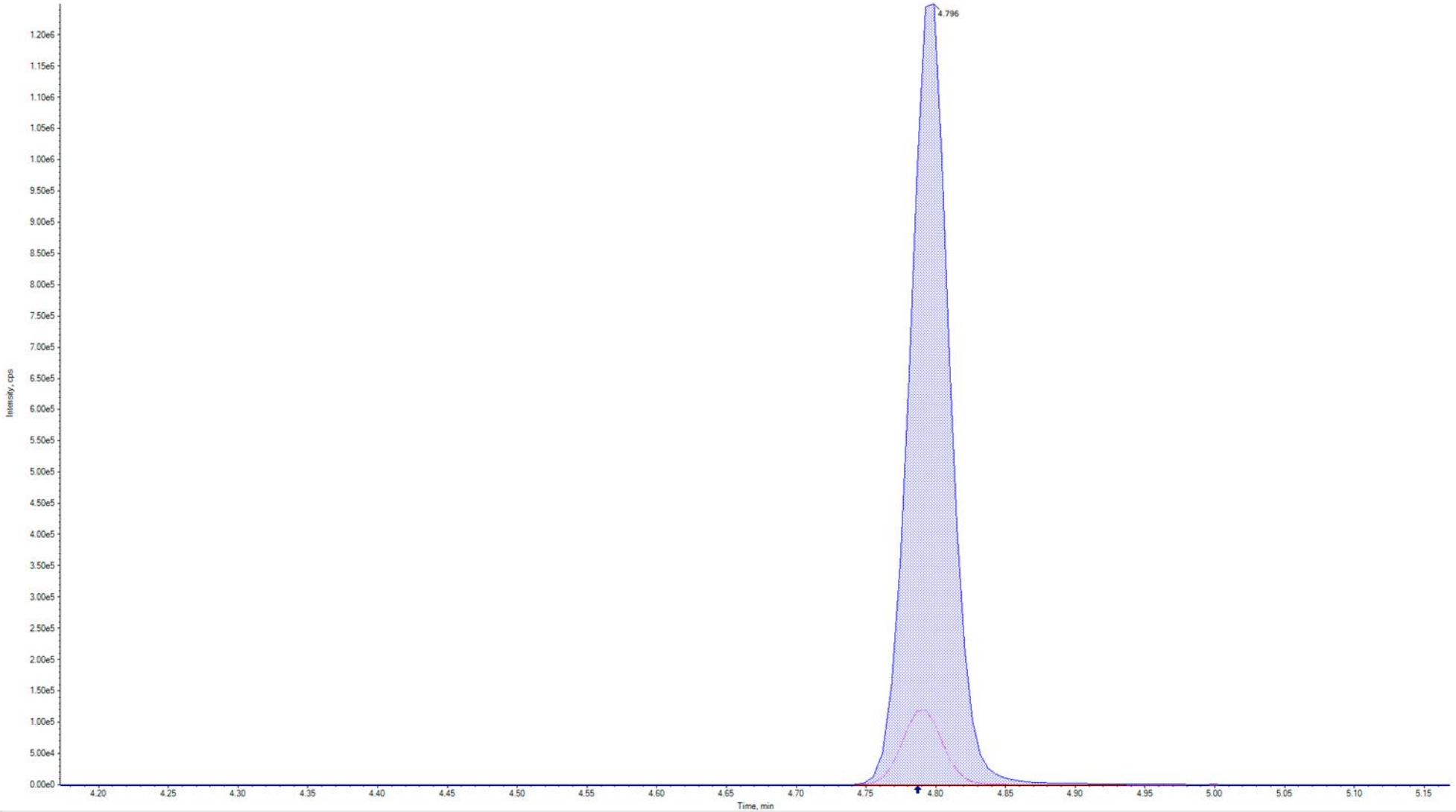
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_16.wiff2_6
Last Altered: 12/16/2024 8:11:58 PM
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PFUnA_2
Sample: IA1633STD-12.5 S/N:5482.2 Points Across peak:30



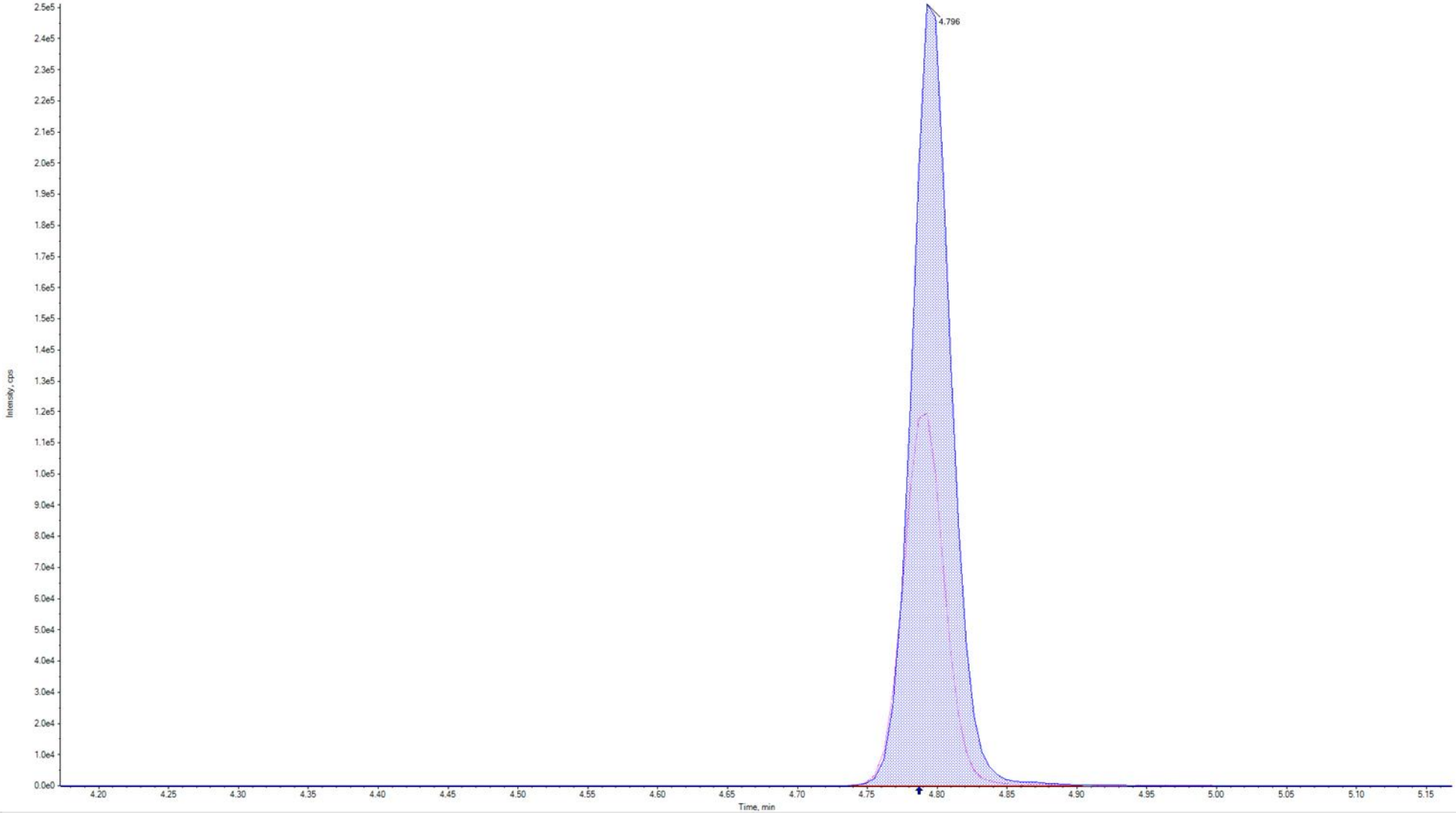
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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PFDoA
Sample: IA1633STD-12.5 S/N:34445.9 Points Across peak:37



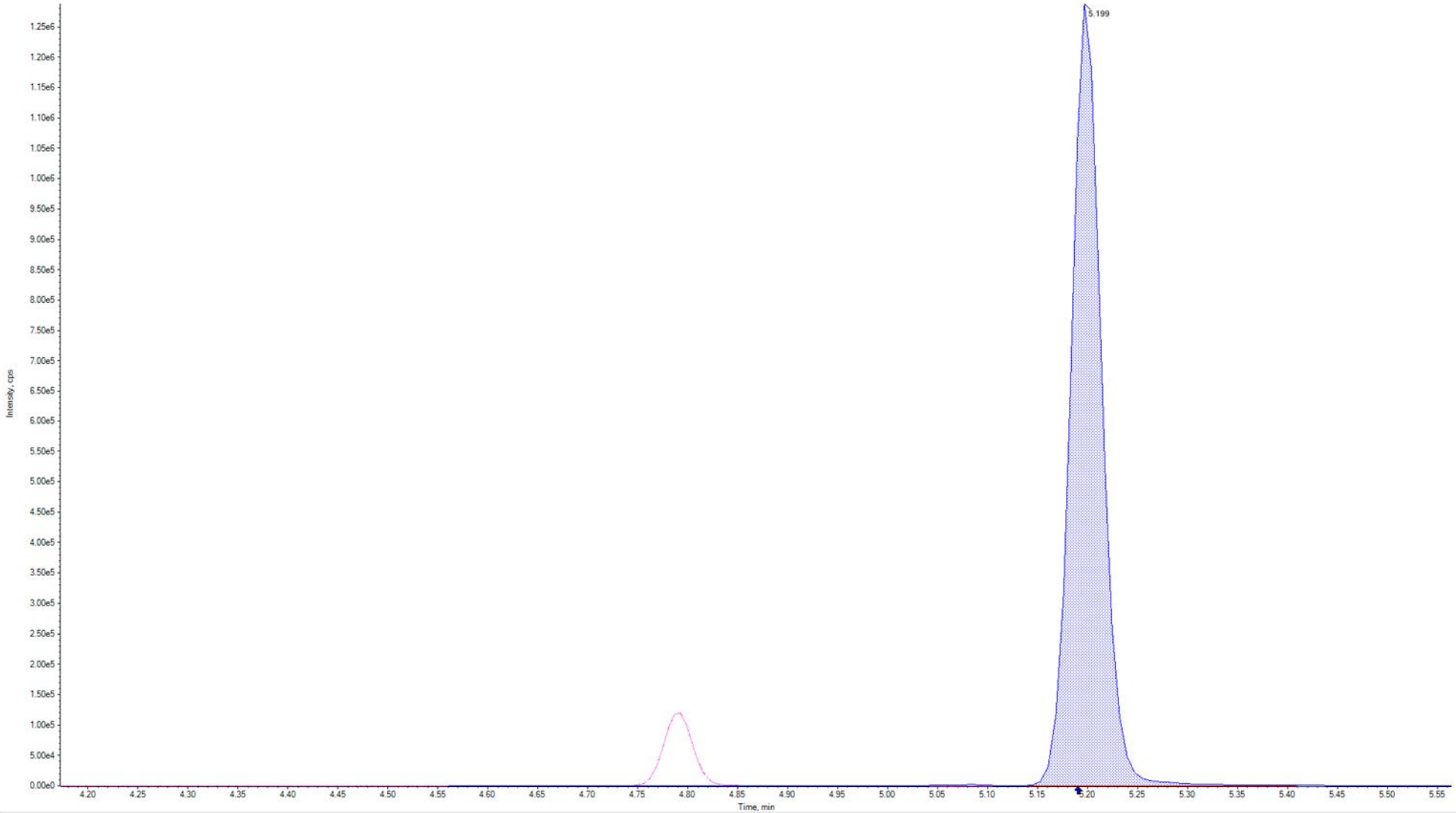
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFDoA_2
Sample: IA1633STD-12.5 S/N:6924.6 Points Across peak:33



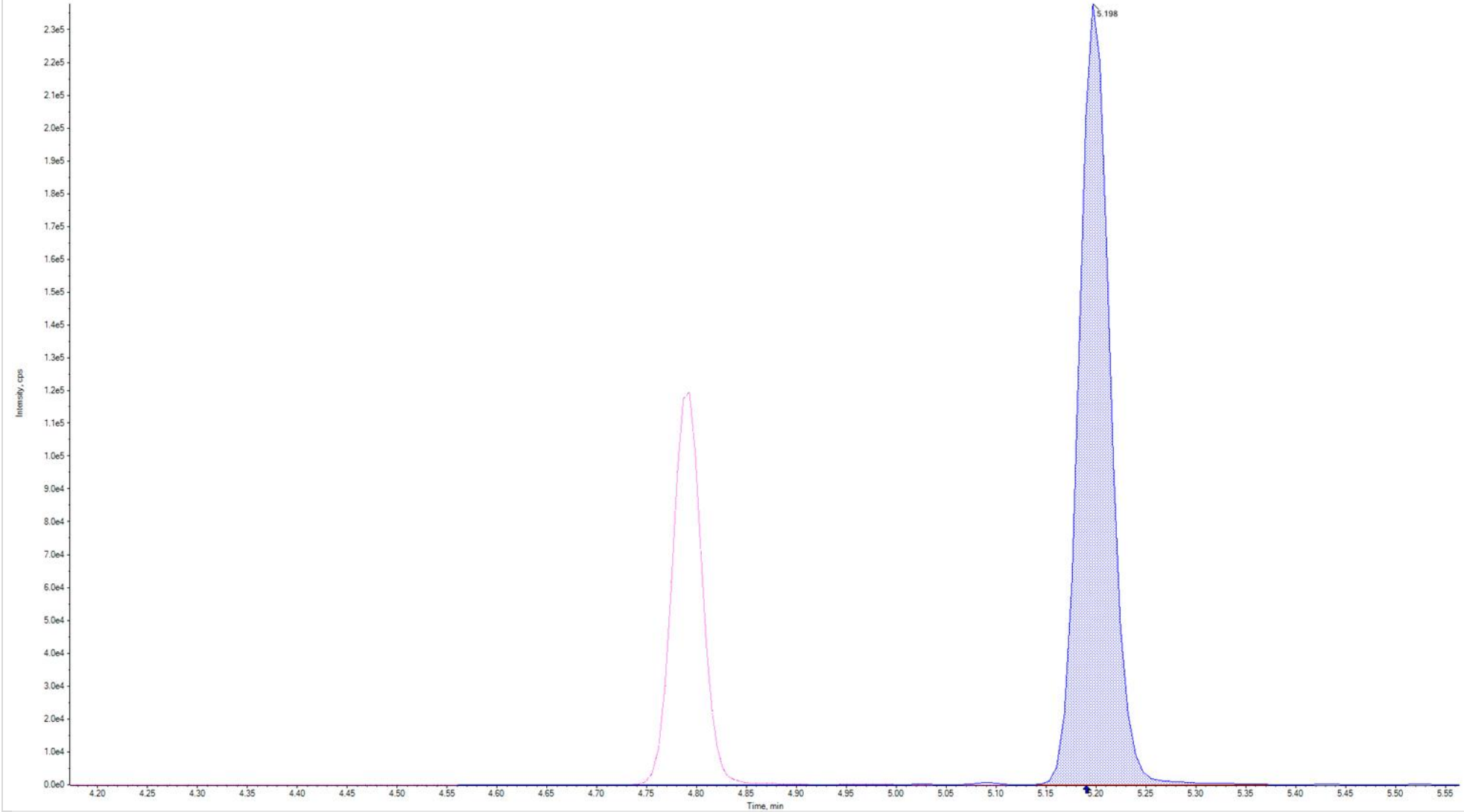
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFTrDA
Sample: IA1633STD-12.5 S/N:51638.8 Points Across peak:38



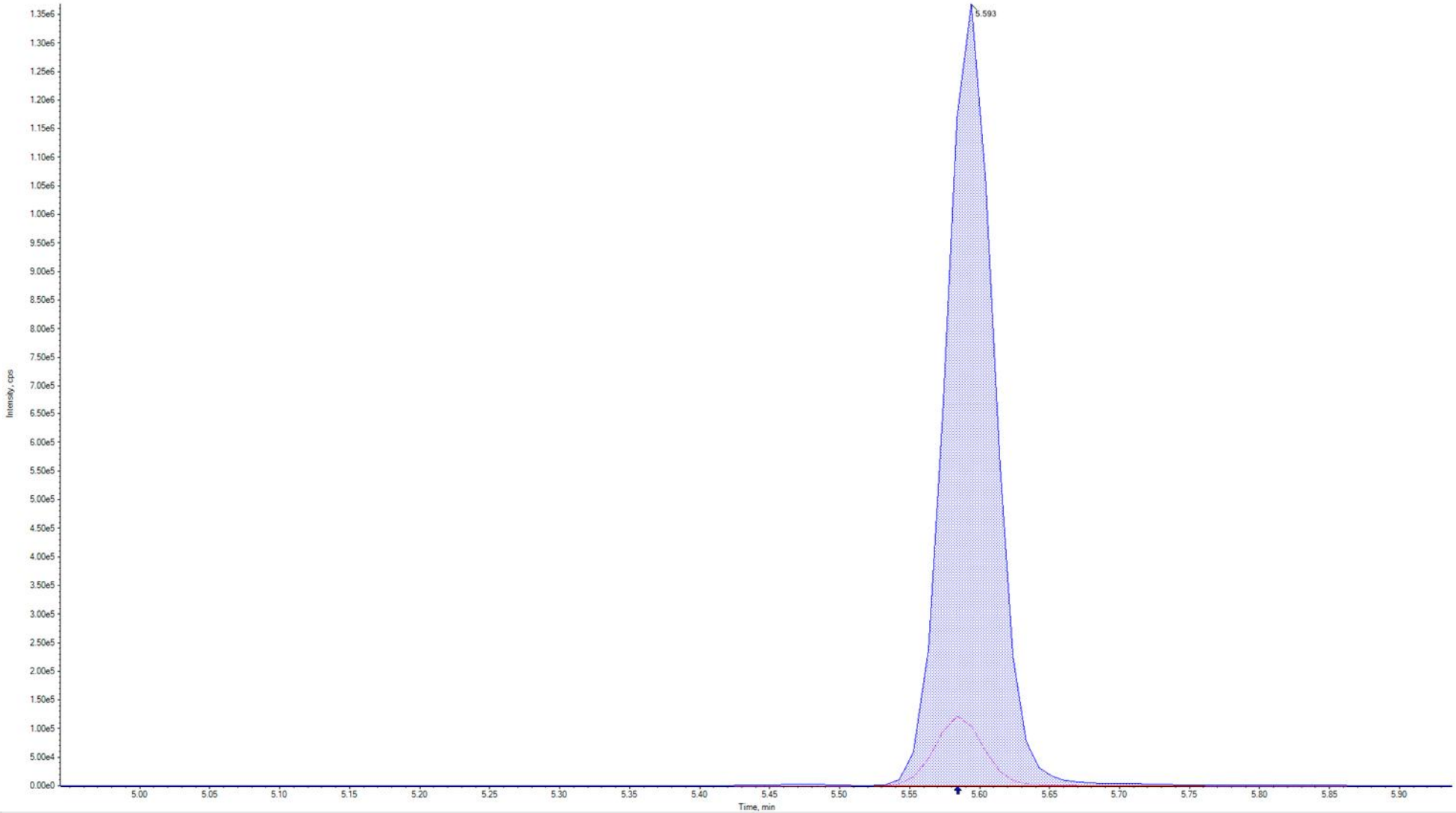
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Alpha Analytical LLC
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PFTrDA_2
Sample: IA1633STD-12.5 S/N:3715.6 Points Across peak:36



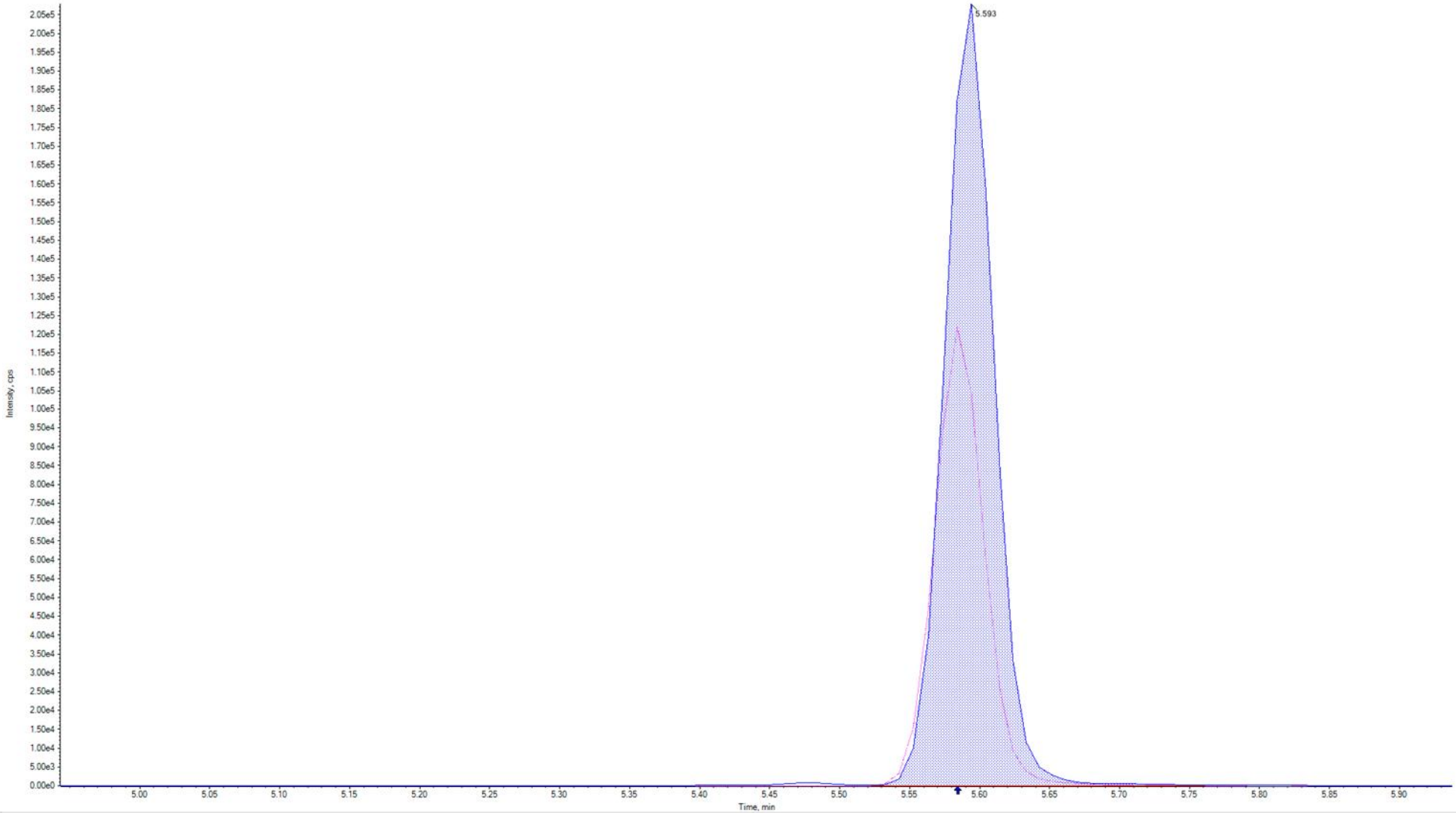
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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PFTeDA
Sample: IA1633STD-12.5 S/N:85733.8 Points Across peak:26



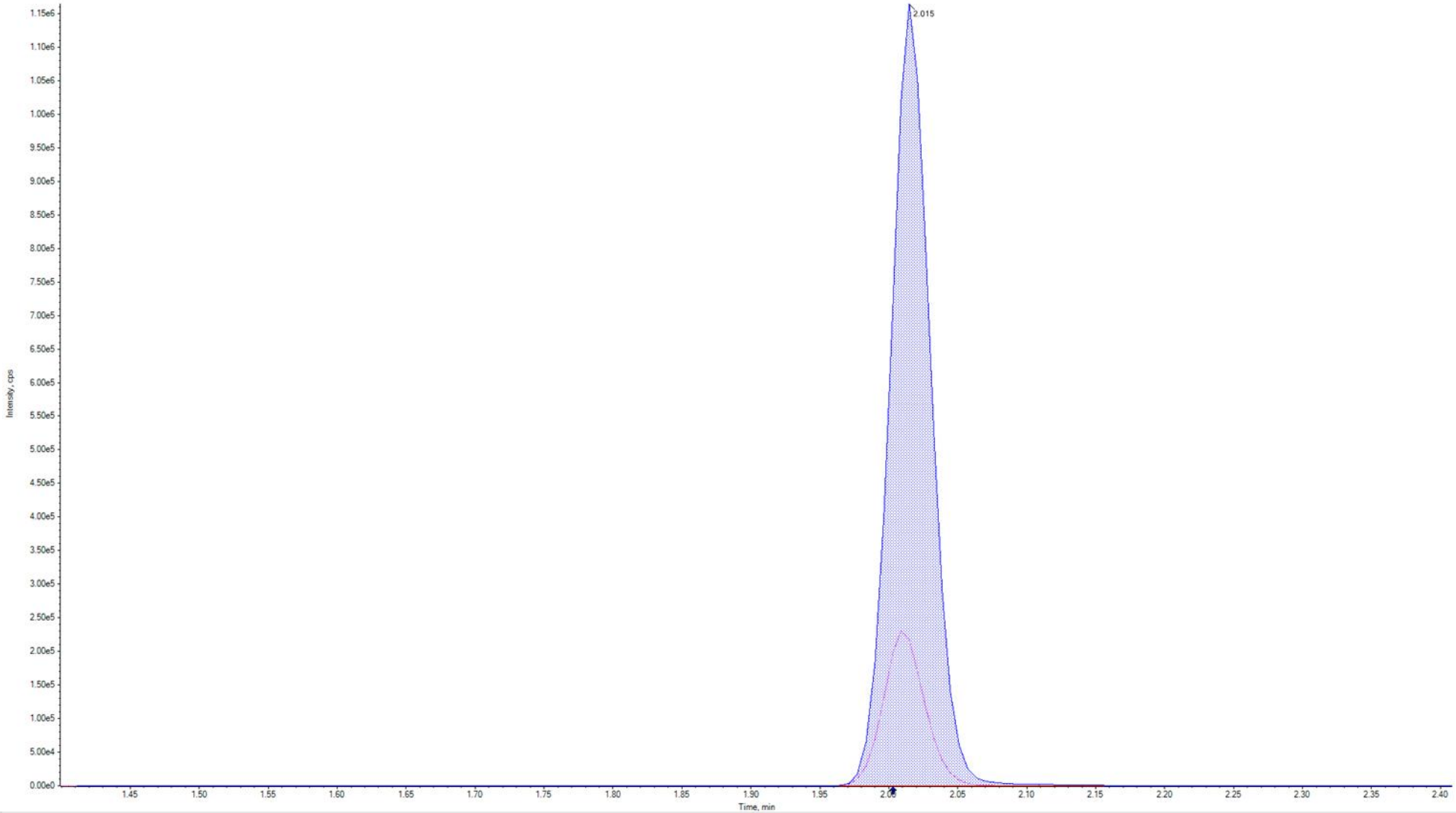
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFTeDA_2
Sample: IA1633STD-12.5 S/N:2248.8 Points Across peak:26



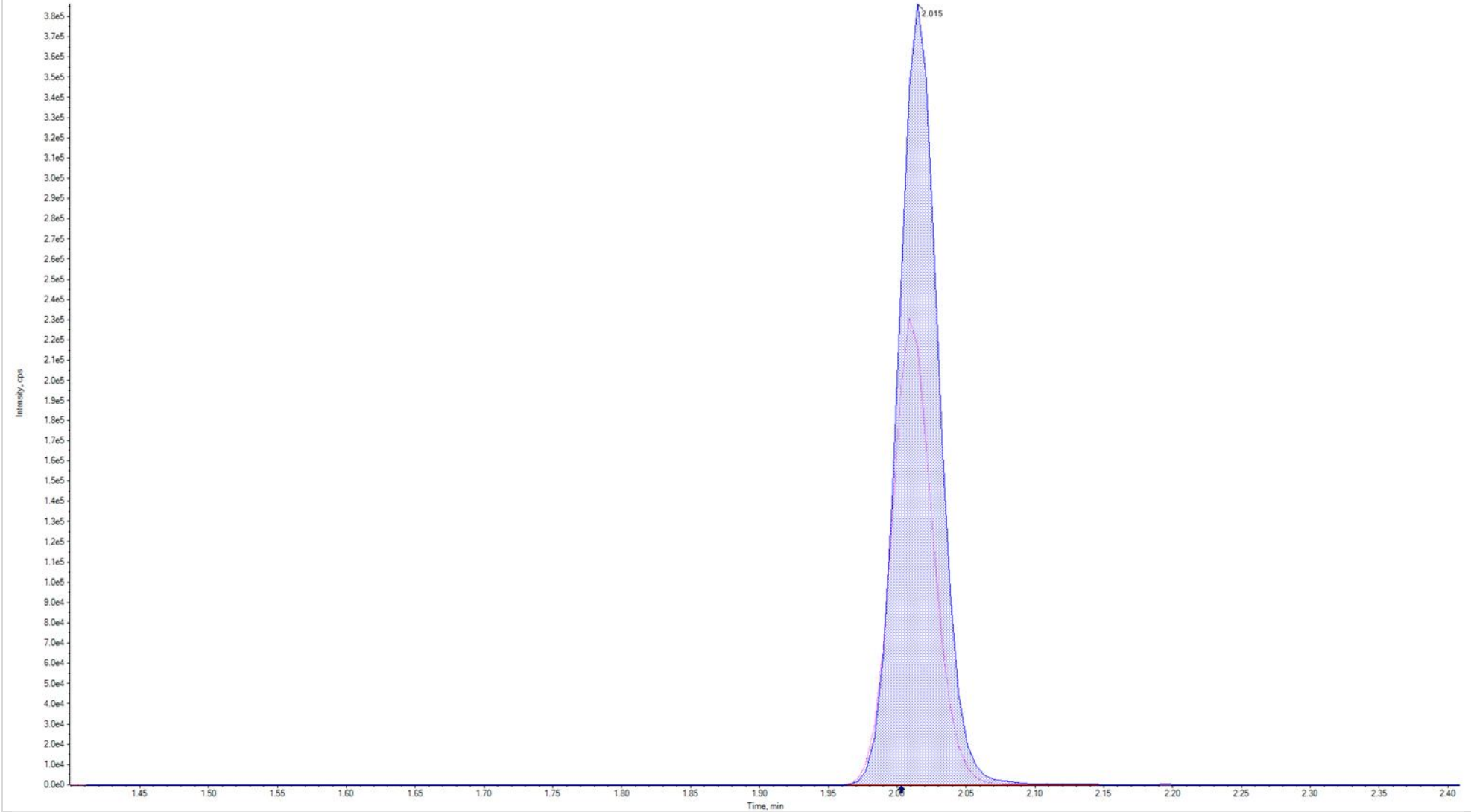
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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PFBS
Sample: IA1633STD-12.5 S/N:29181.2 Points Across peak:43



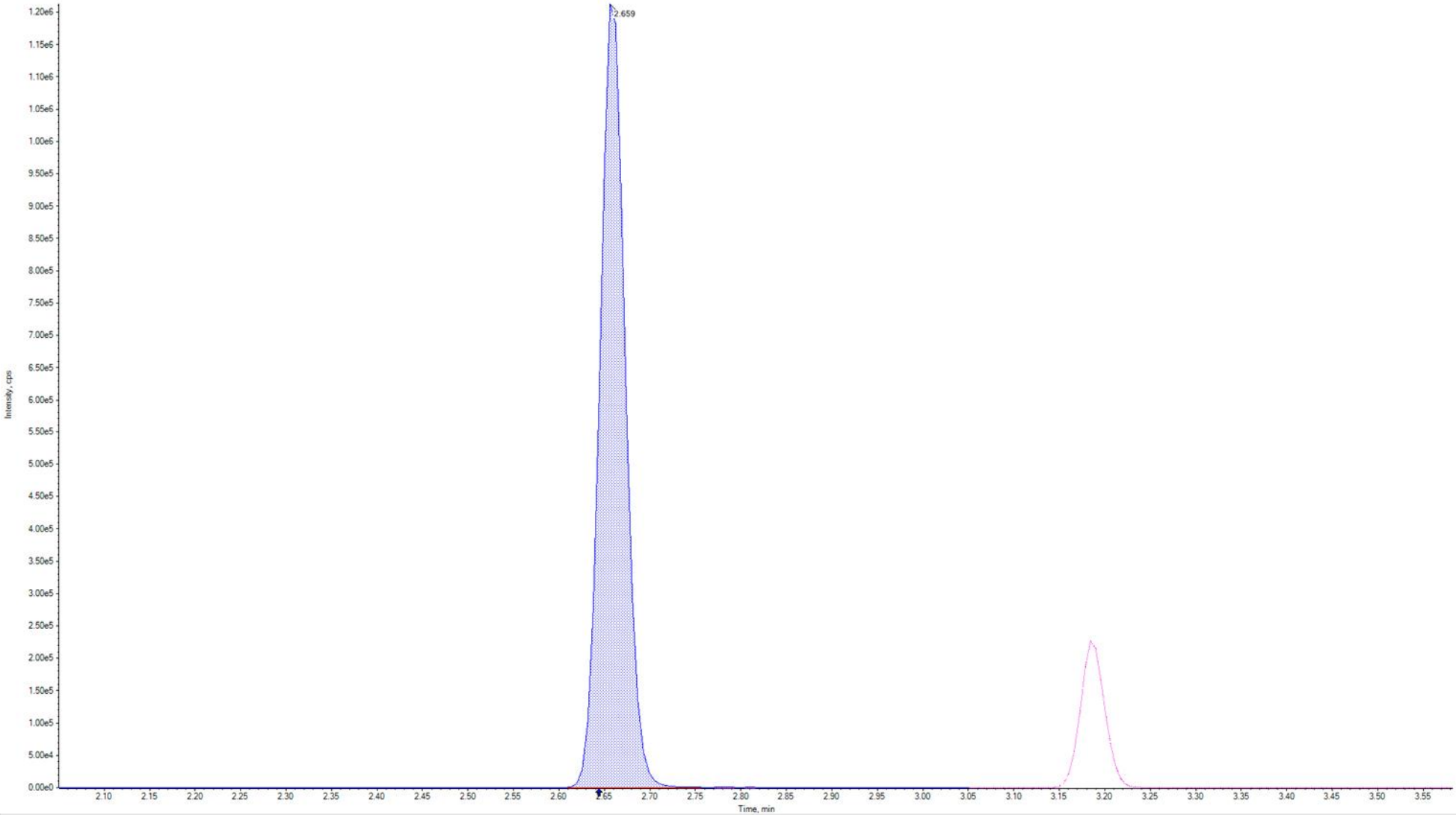
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PFBS_2
Sample: IA1633STD-12.5 S/N:5004.3 Points Across peak:37



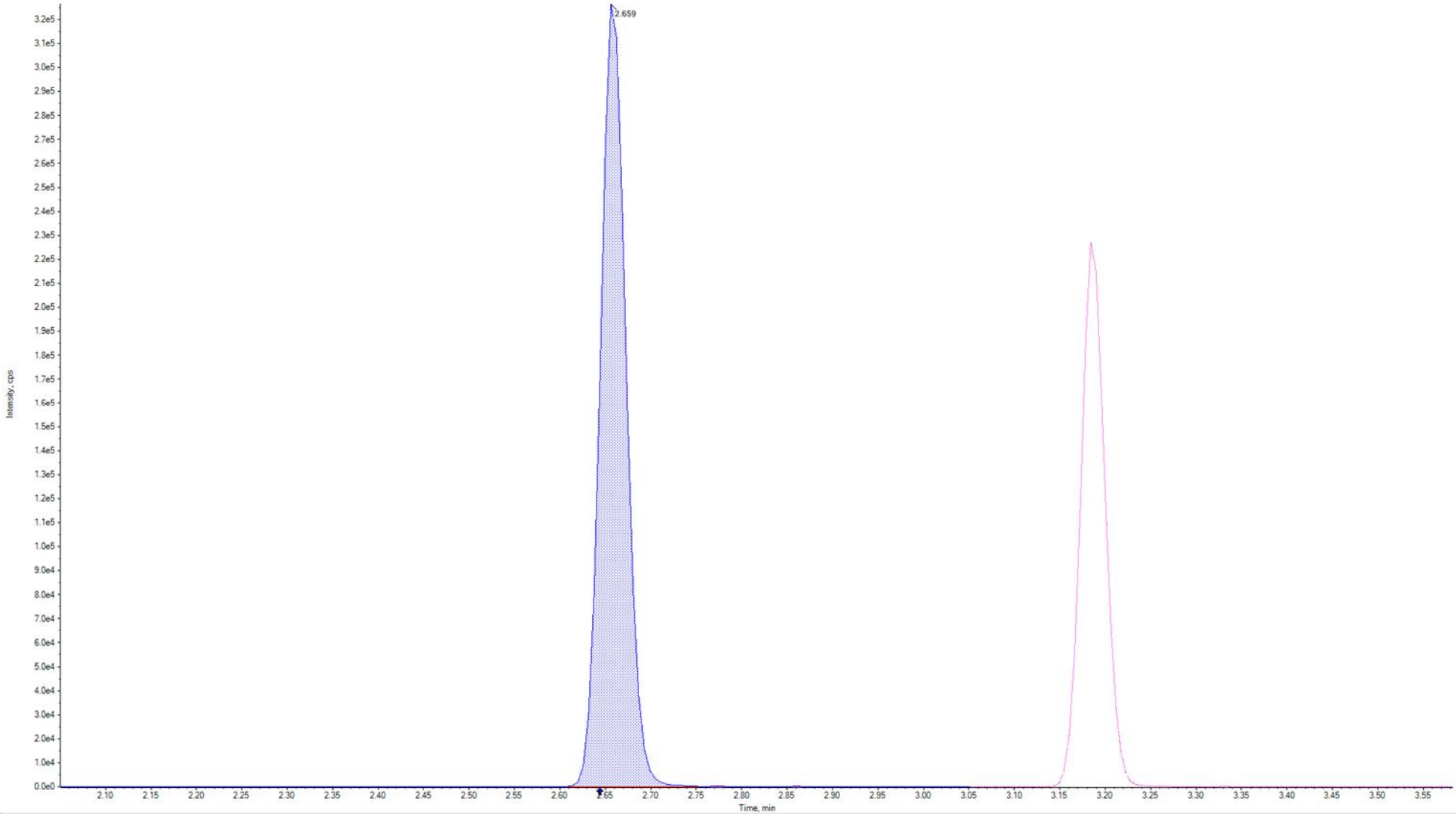
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Last Altered: 12/16/2024 8:11:58 PM
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PFPeS
Sample: IA1633STD-12.5 S/N:7339.4 Points Across peak:30



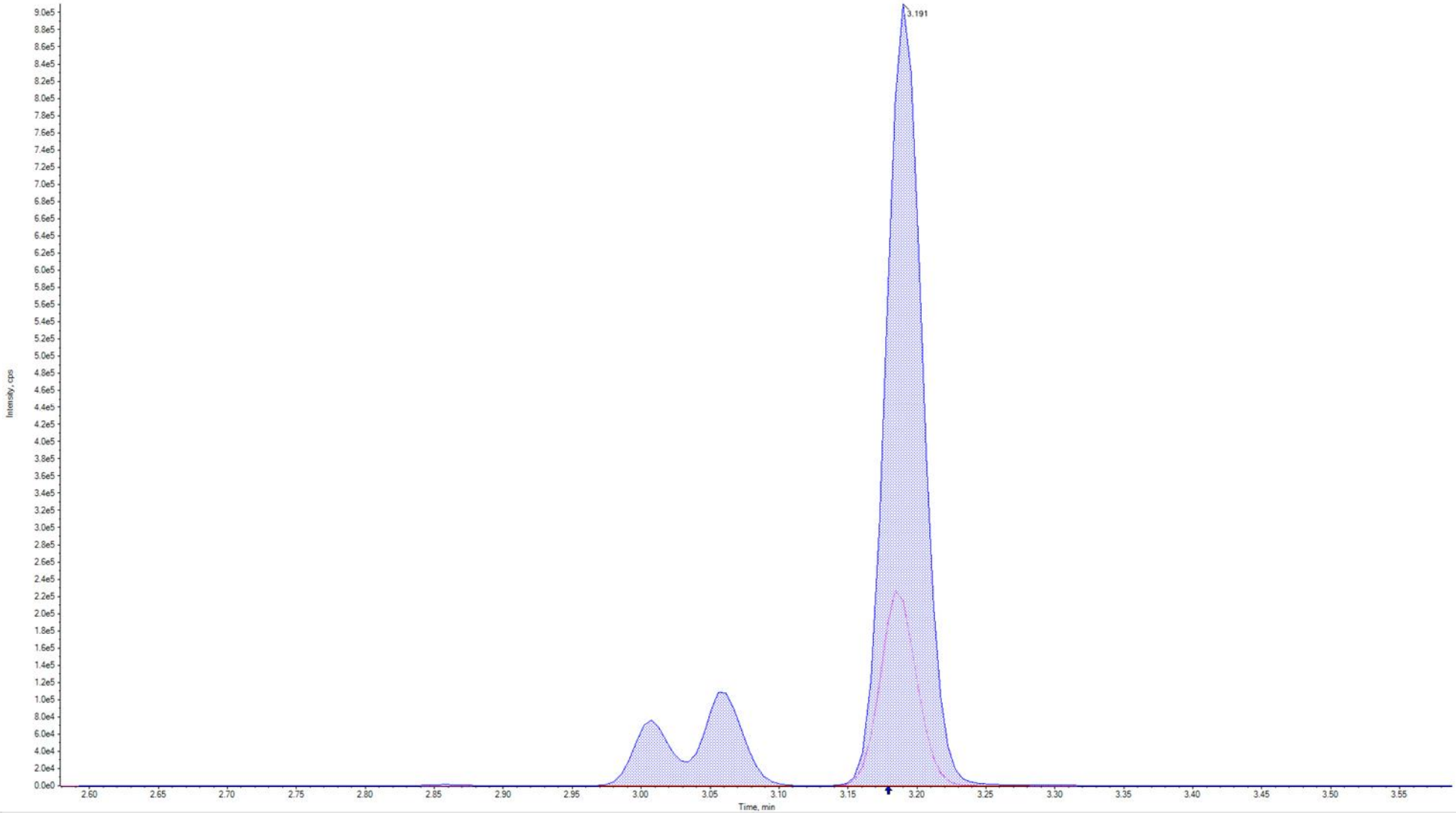
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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PFPeS_2
Sample: IA1633STD-12.5 S/N:6547.0 Points Across peak:28



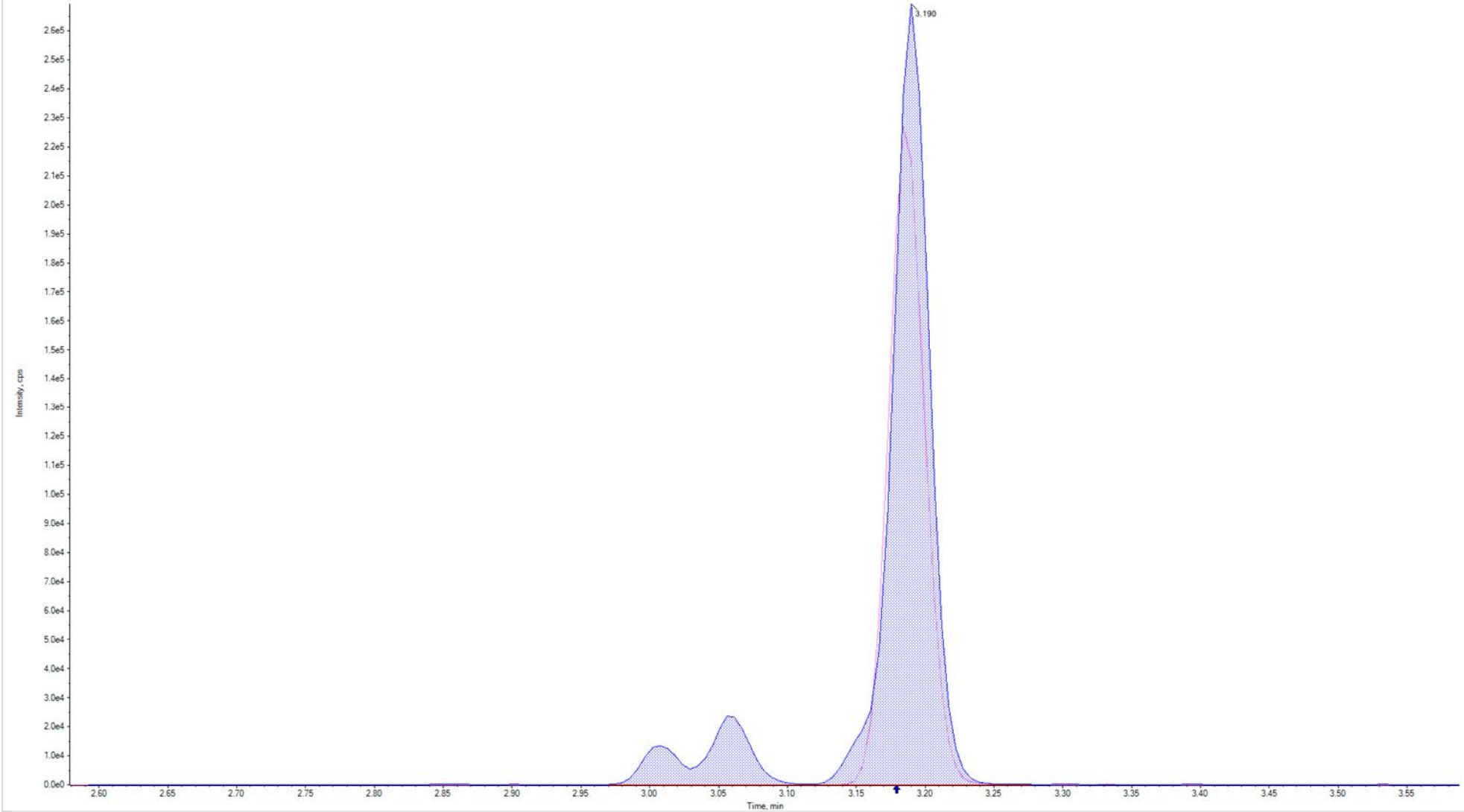
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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PFHxS
Sample: IA1633STD-12.5 S/N:1021.1 Points Across peak:61



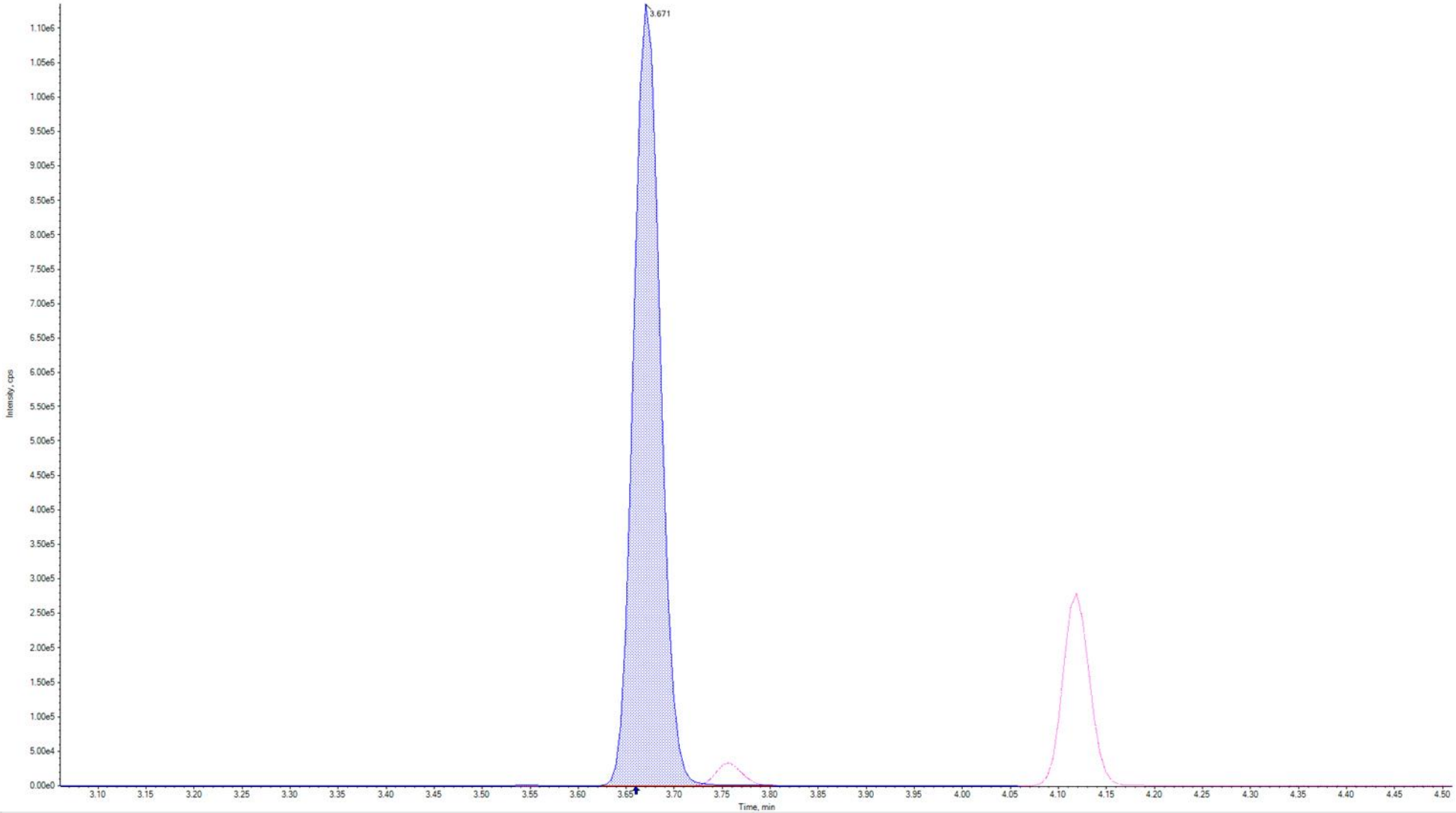
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Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

PFHxS_2
Sample: IA1633STD-12.5 S/N:1182.0 Points Across peak:63



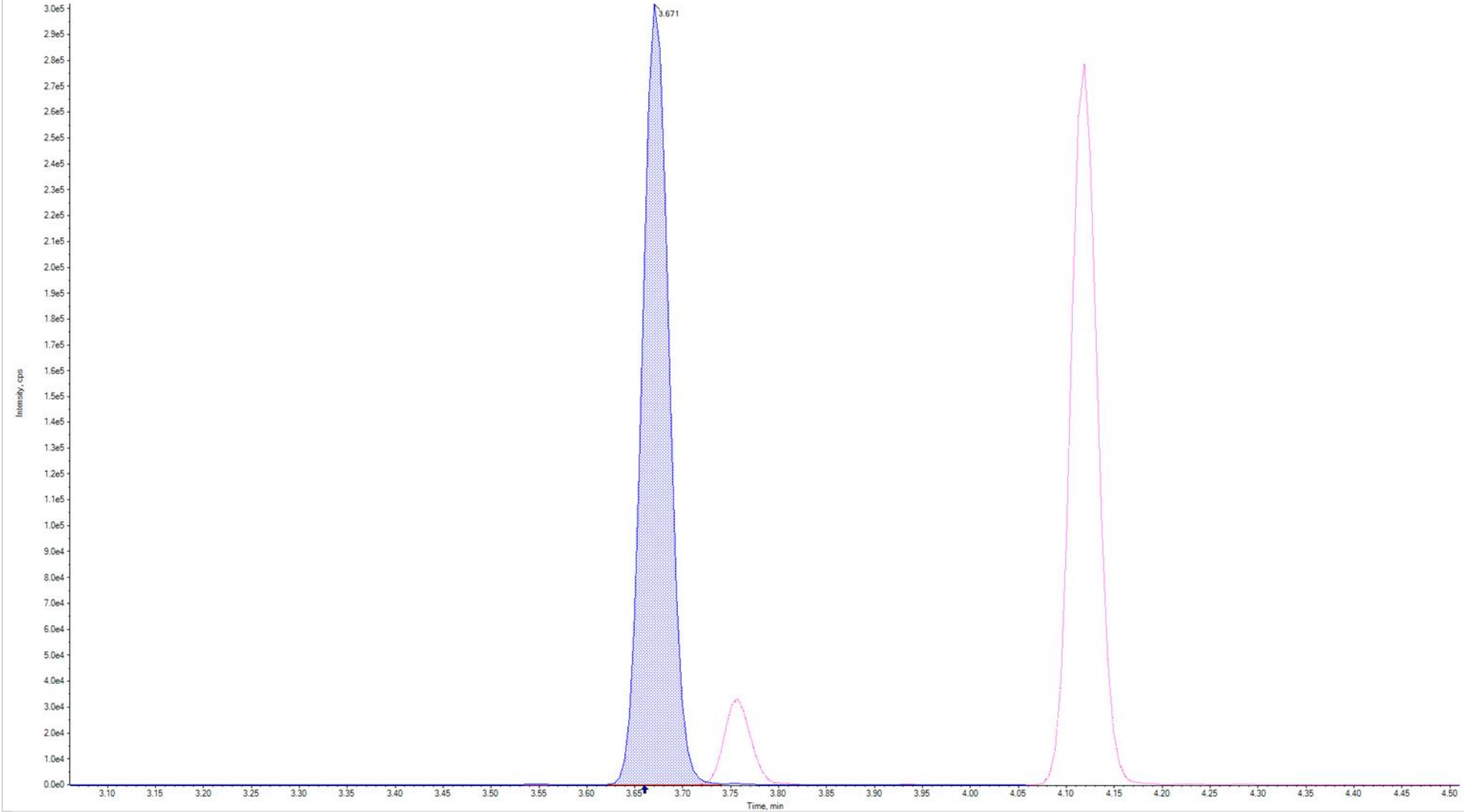
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Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

PFHpS
Sample: IA1633STD-12.5 S/N:22763.7 Points Across peak:41



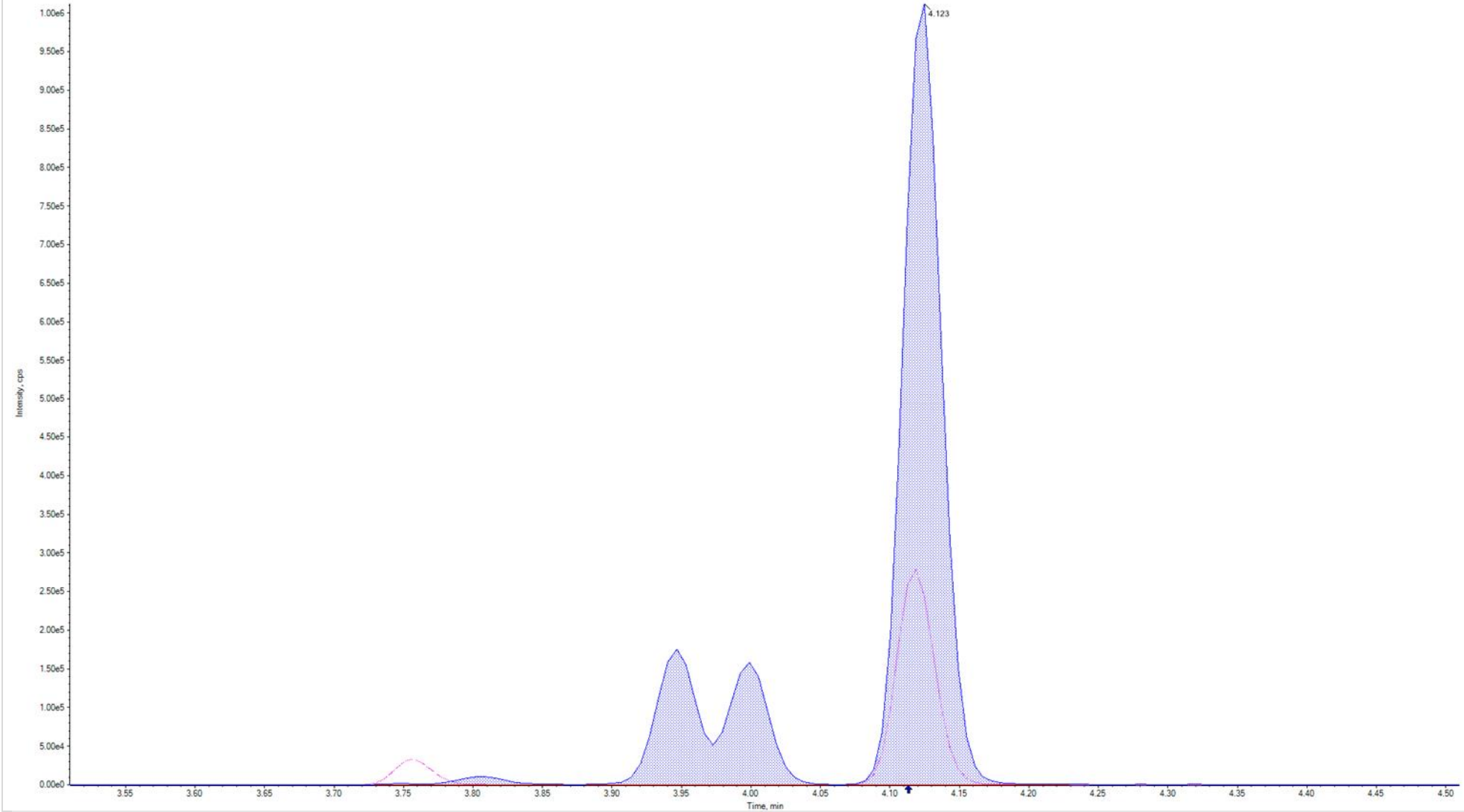
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Alpha Analytical LLC
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PFHpS_2
Sample: IA1633STD-12.5 S/N:6052.2 Points Across peak:28



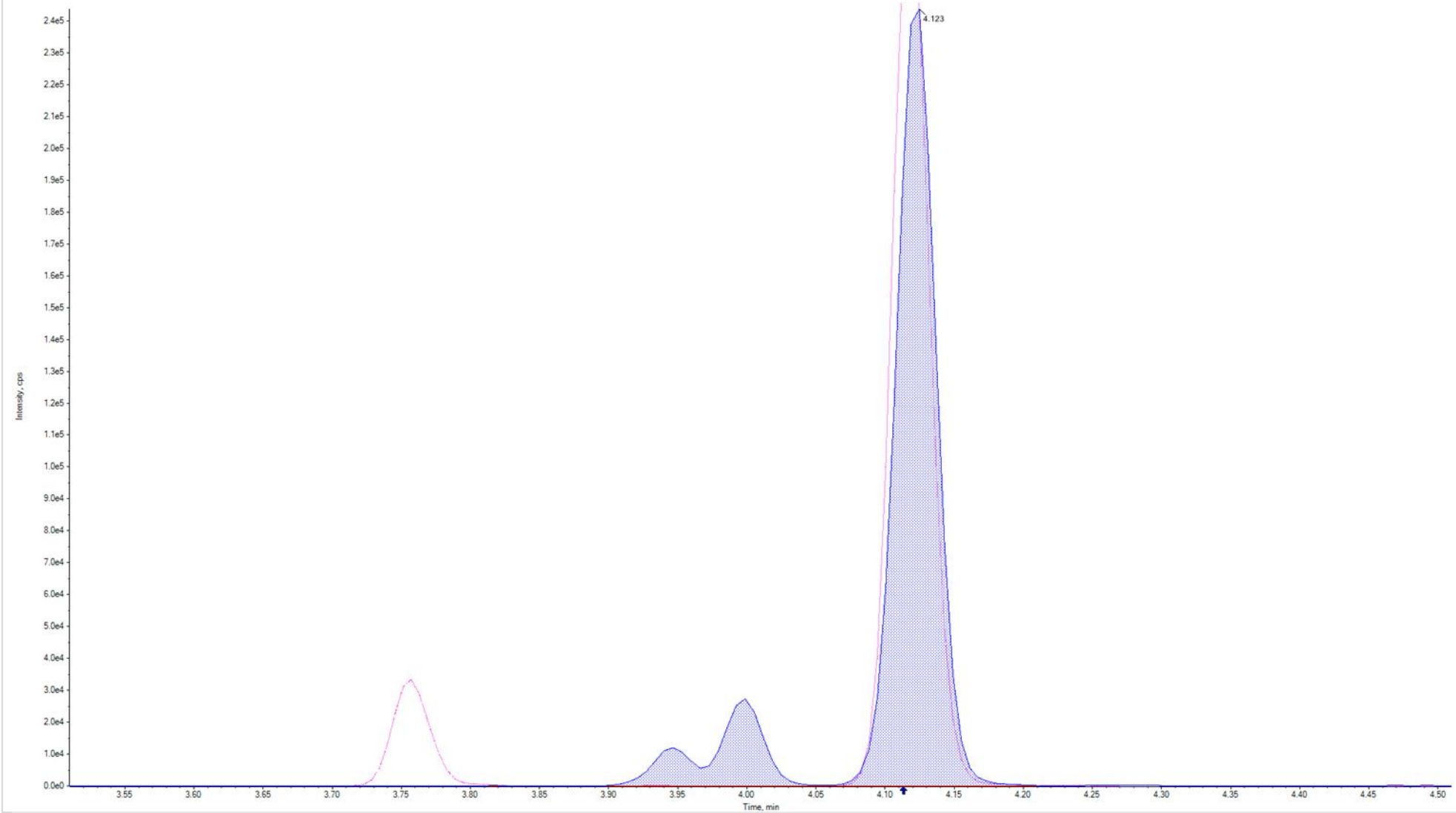
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFOS
Sample: IA1633STD-12.5 S/N:595.6 Points Across peak:83



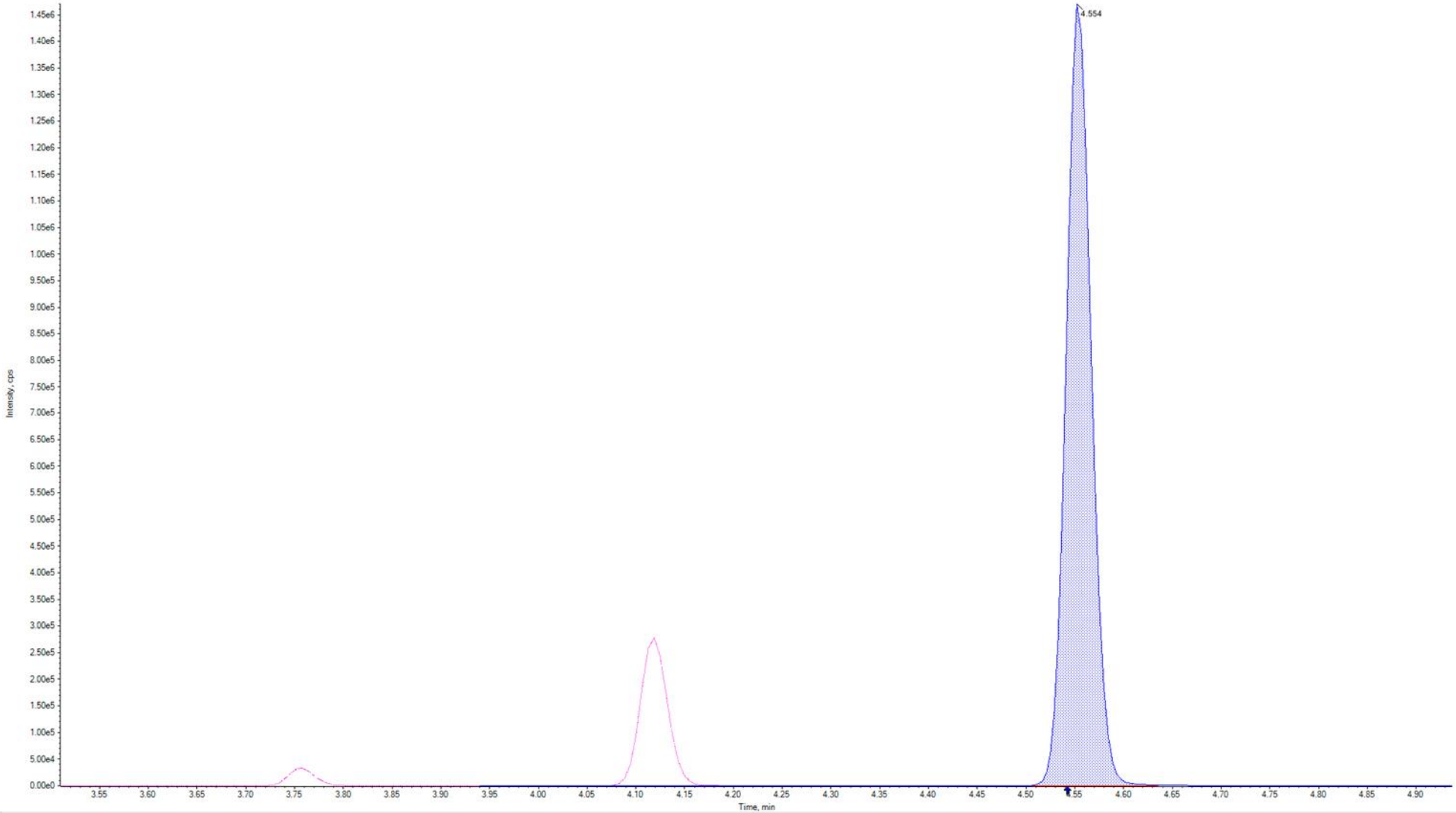
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Alpha Analytical LLC
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PFOS_2
Sample: IA1633STD-12.5 S/N:1009.2 Points Across peak:73



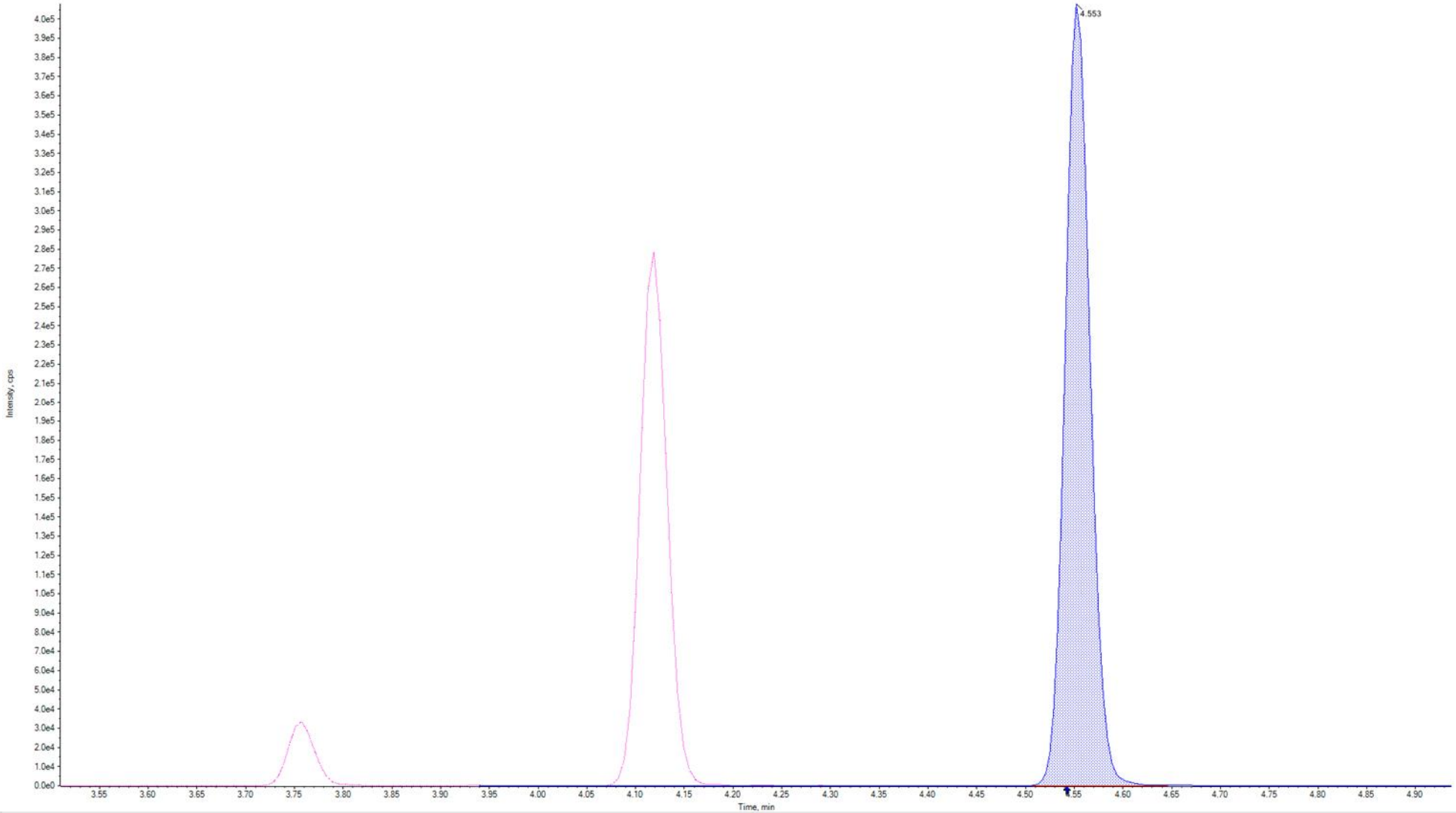
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFNS
Sample: IA1633STD-12.5 S/N:7371.3 Points Across peak:34



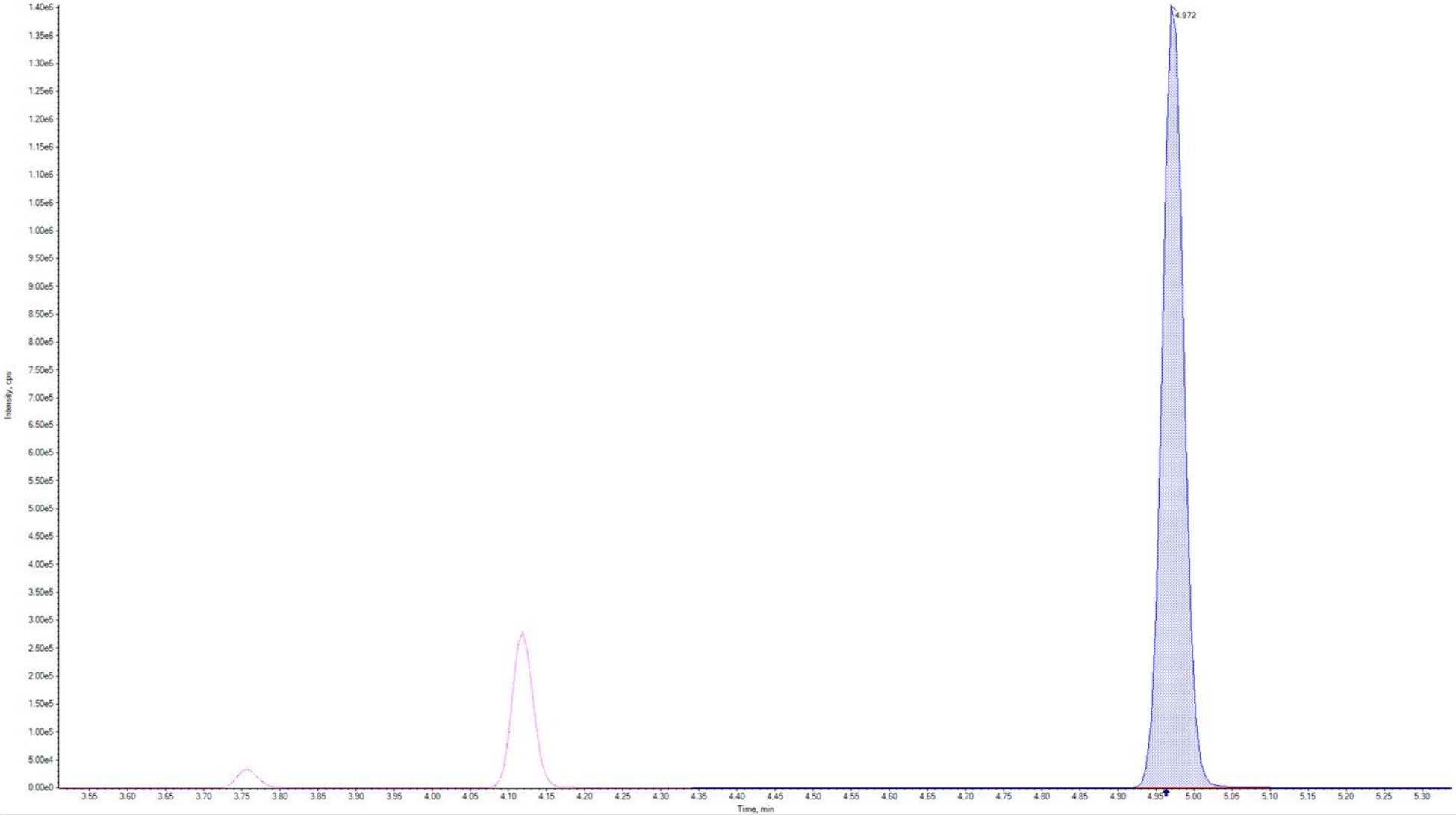
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFNS_2
Sample: IA1633STD-12.5 S/N:10225.9 Points Across peak:36



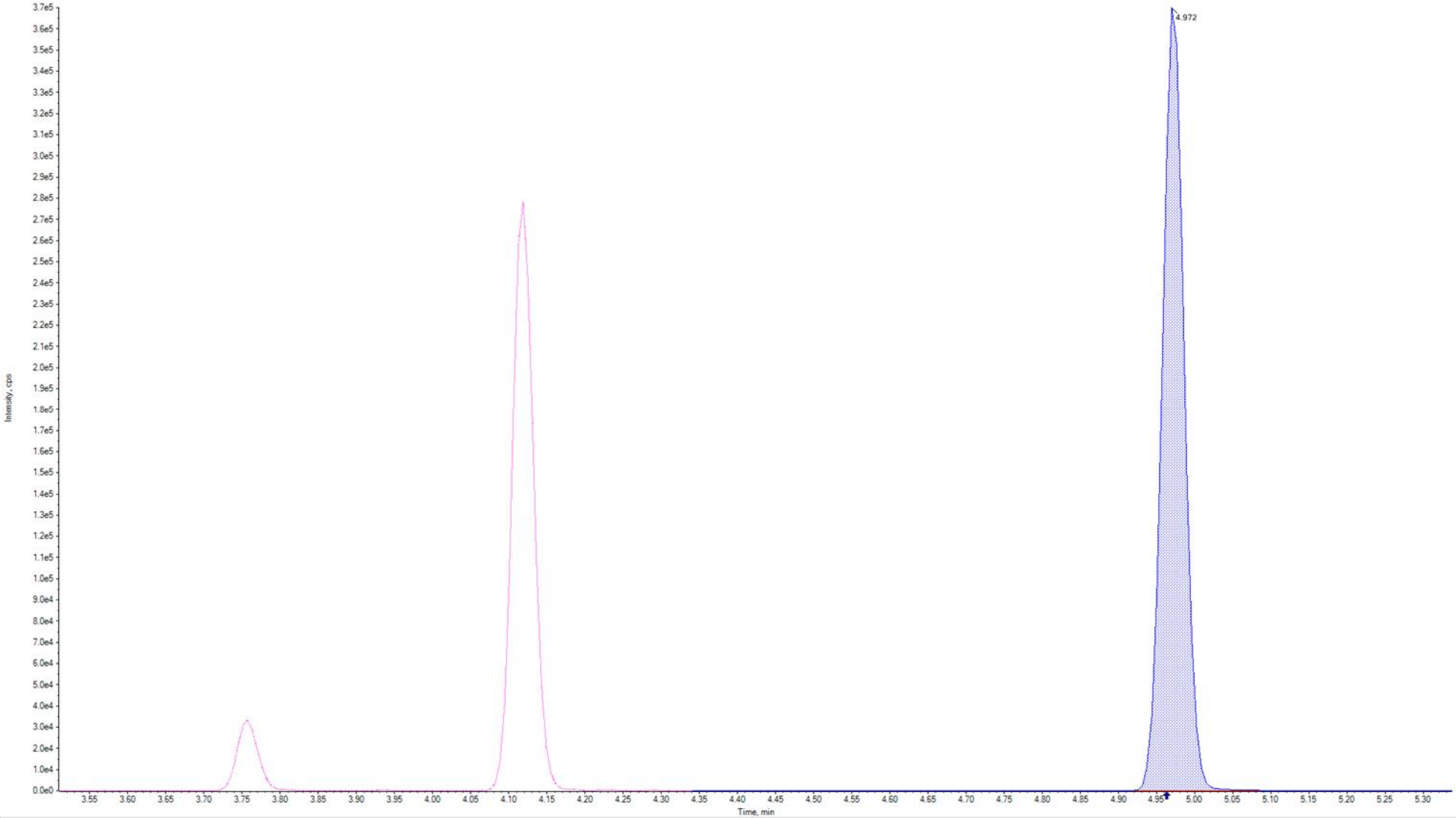
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFDS
Sample: IA1633STD-12.5 S/N:10132.8 Points Across peak:36



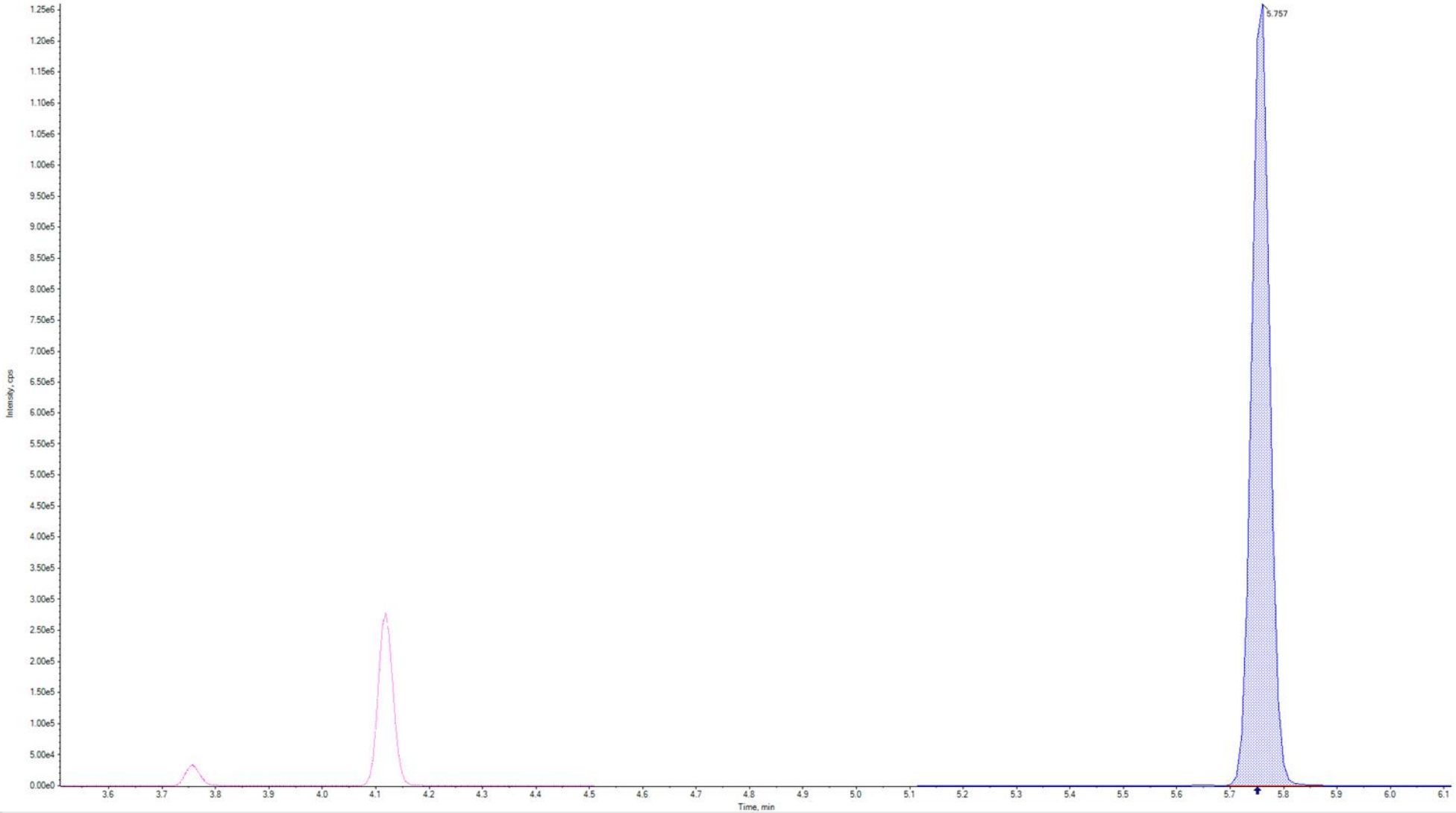
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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PFDS_2
Sample: IA1633STD-12.5 S/N:12986.2 Points Across peak:33



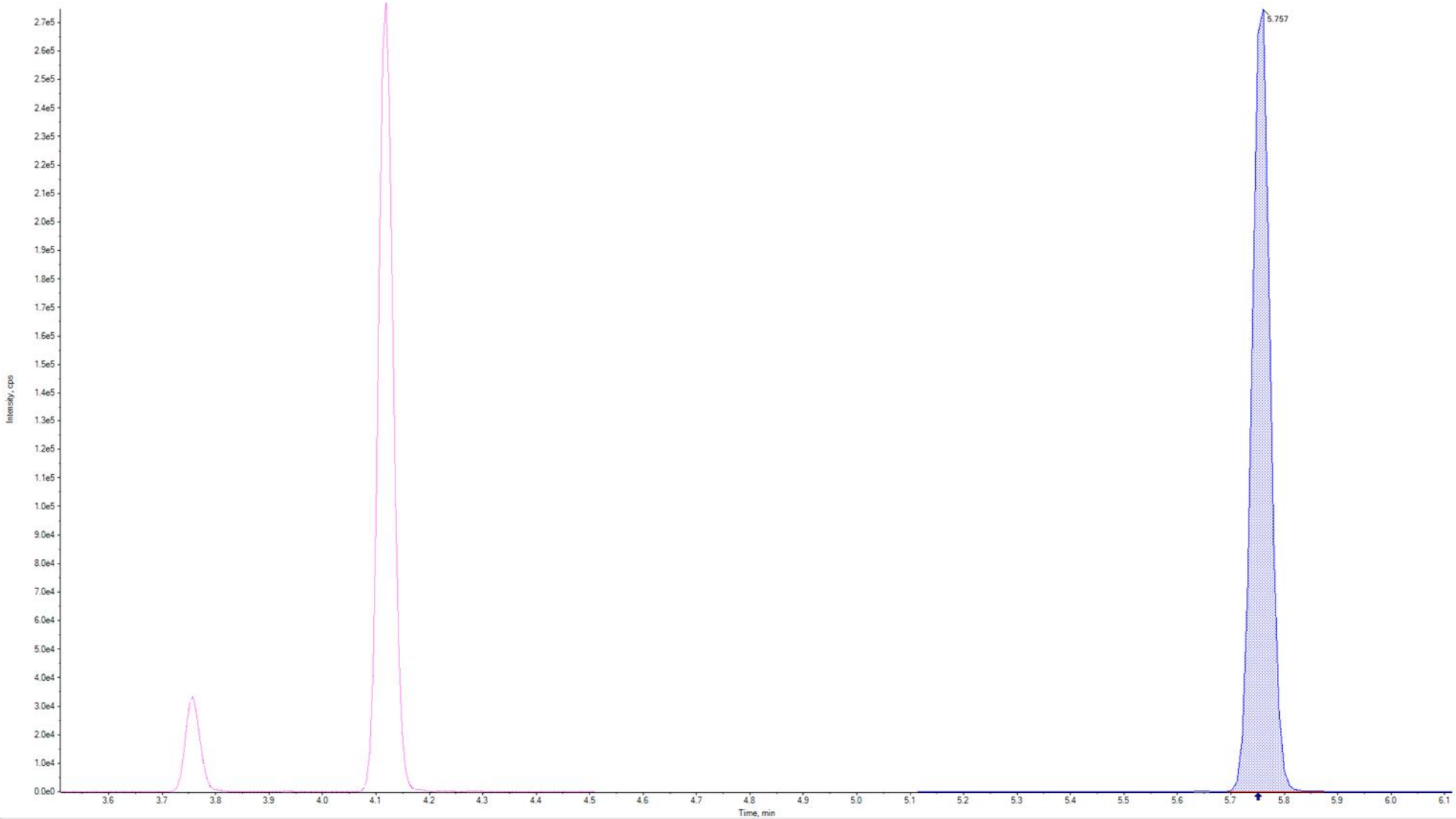
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_16.wiff2_6
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFDoS
Sample: IA1633STD-12.5 S/N:27718.4 Points Across peak:30



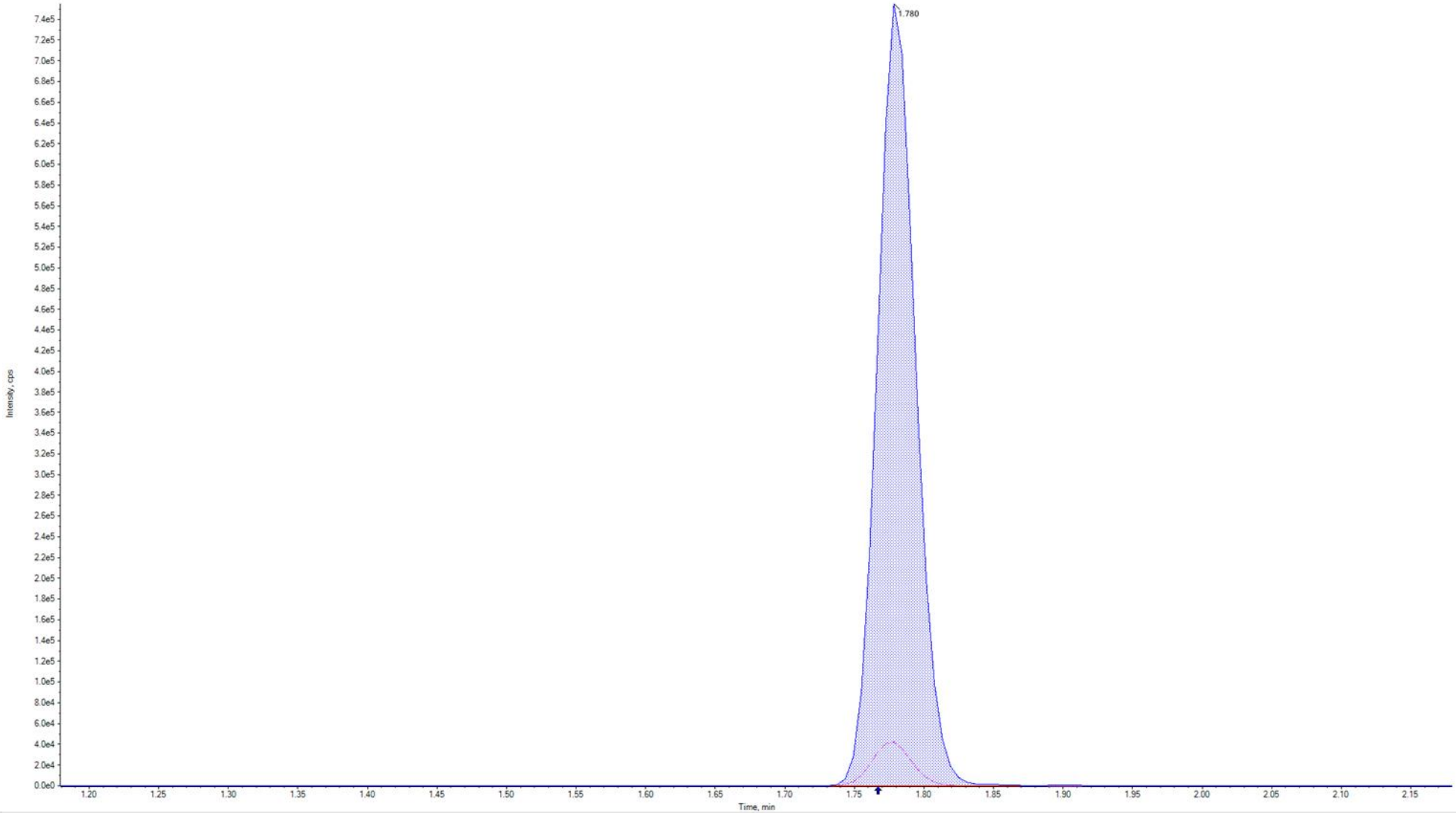
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_16.wiff2_6
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFDoS_2
Sample: IA1633STD-12.5 S/N:3287.9 Points Across peak:22



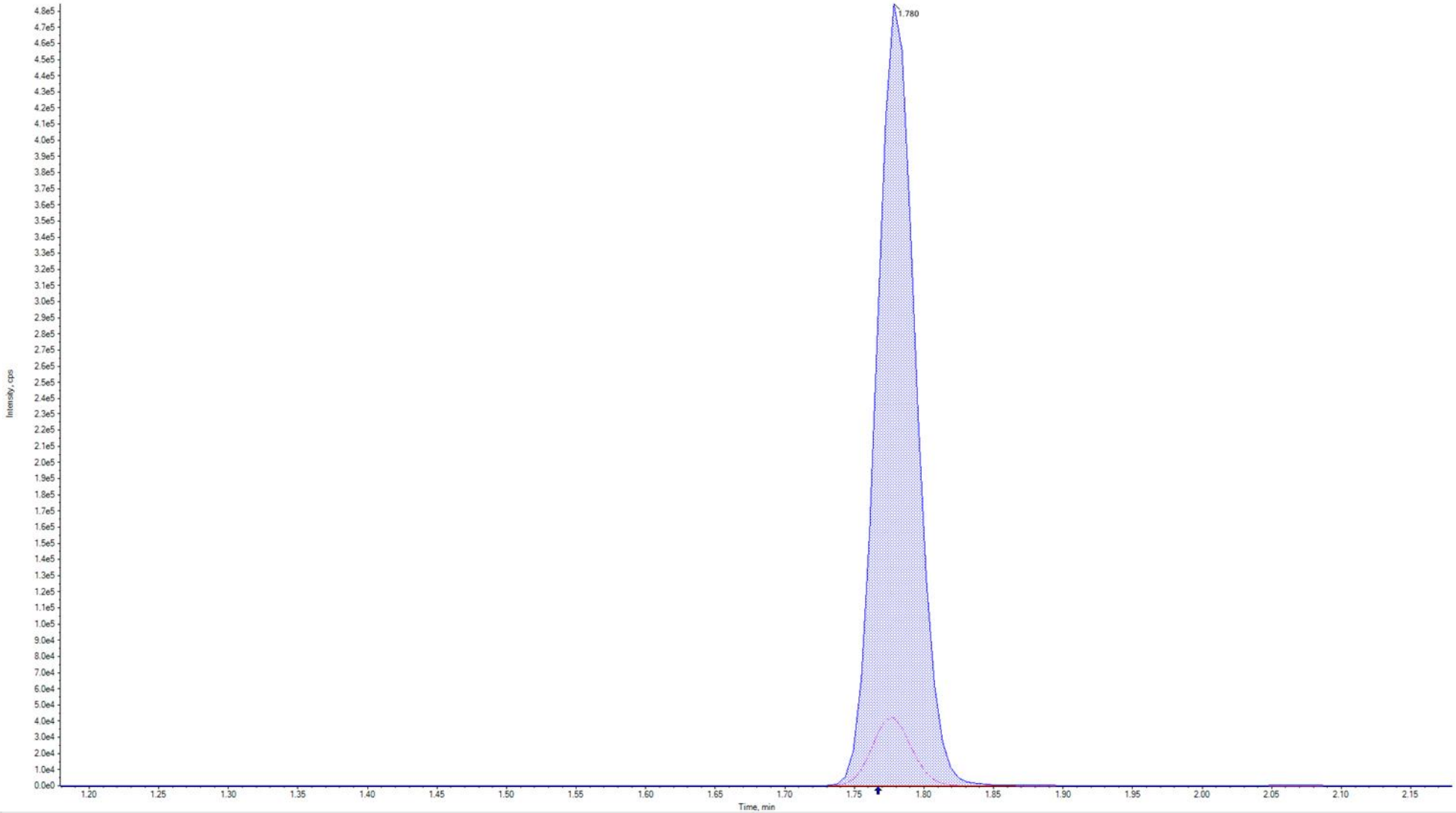
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

4:2FTS
Sample: IA1633STD-12.5 S/N:10037.8 Points Across peak:28



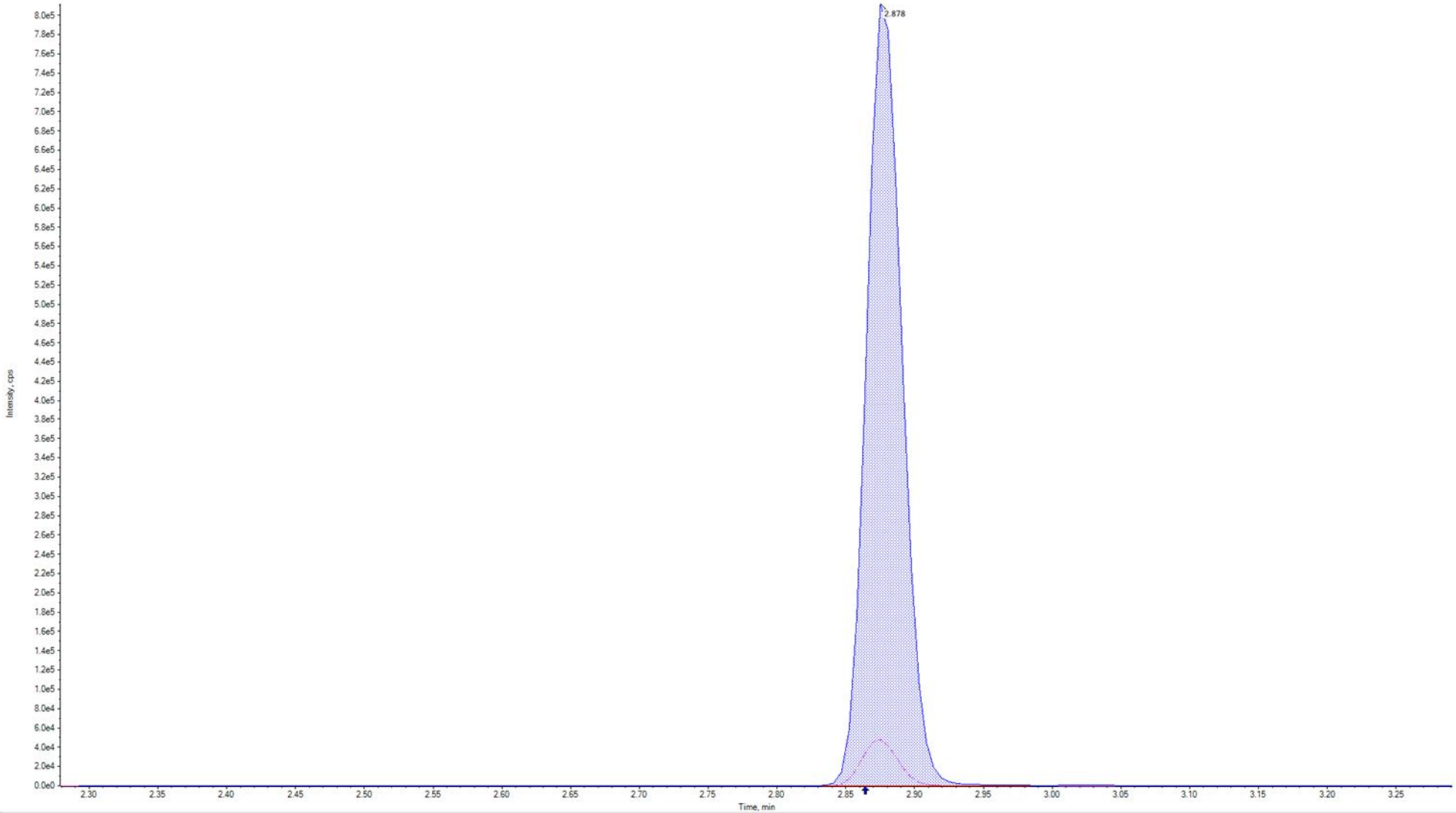
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_16.wiff2_6
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

4:2FTS_2
Sample: IA1633STD-12.5 S/N:18215.5 Points Across peak:27



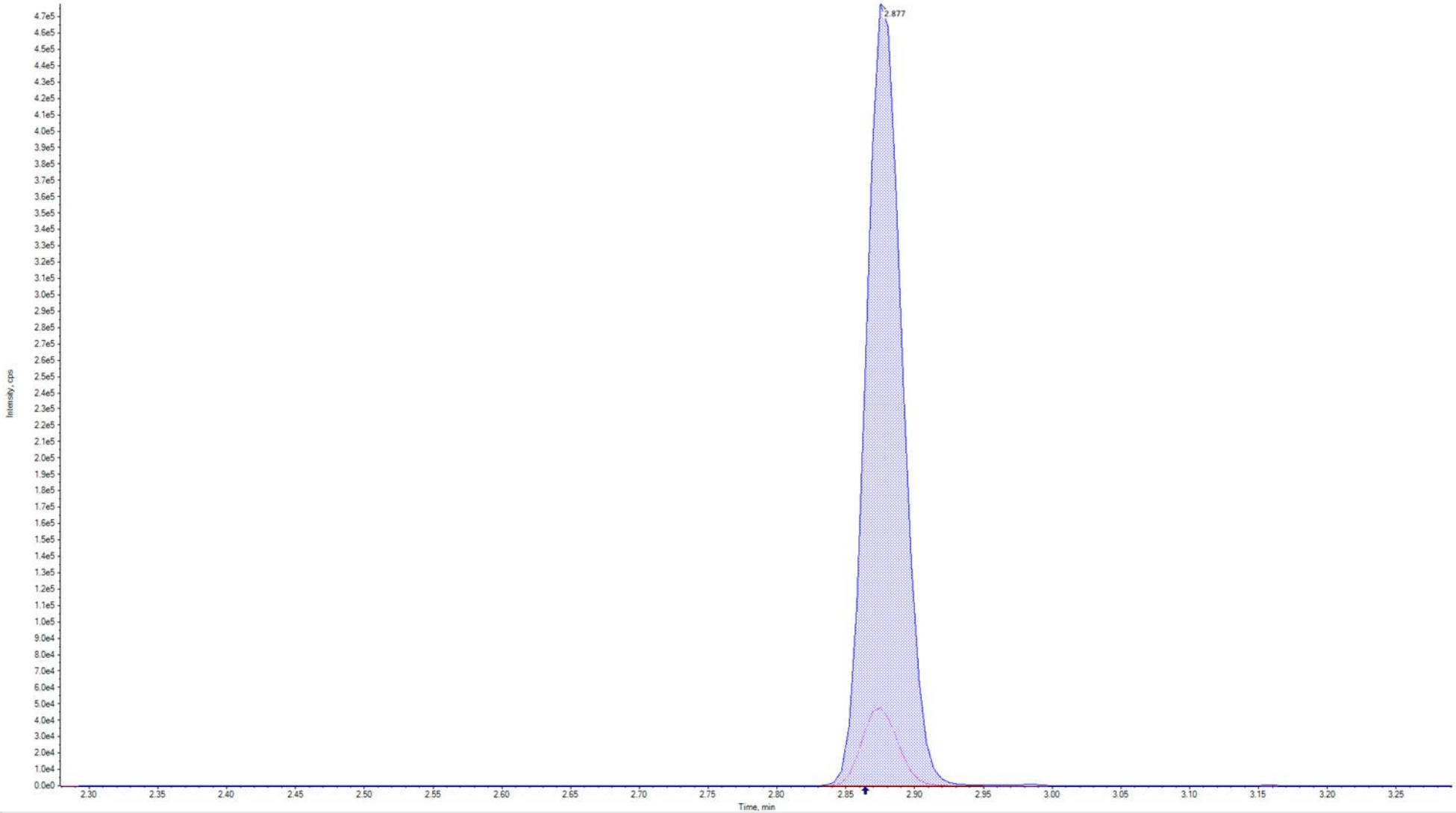
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_16.wiff2_6
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

6:2FTS
Sample: IA1633STD-12.5 S/N:12186.0 Points Across peak:33



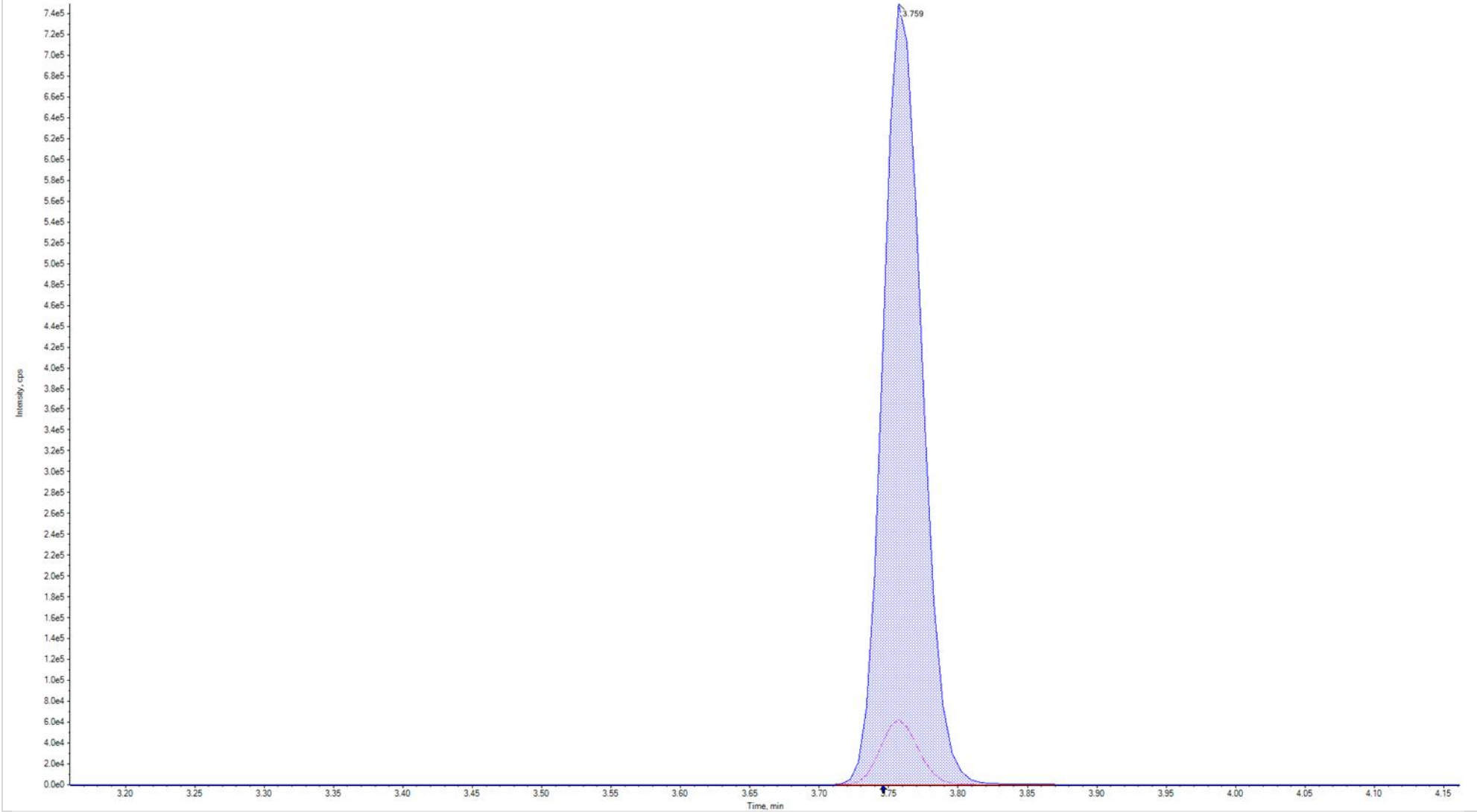
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_16.wiff2_6
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

6:2FTS_2
Sample: IA1633STD-12.5 S/N:9580.4 Points Across peak:23

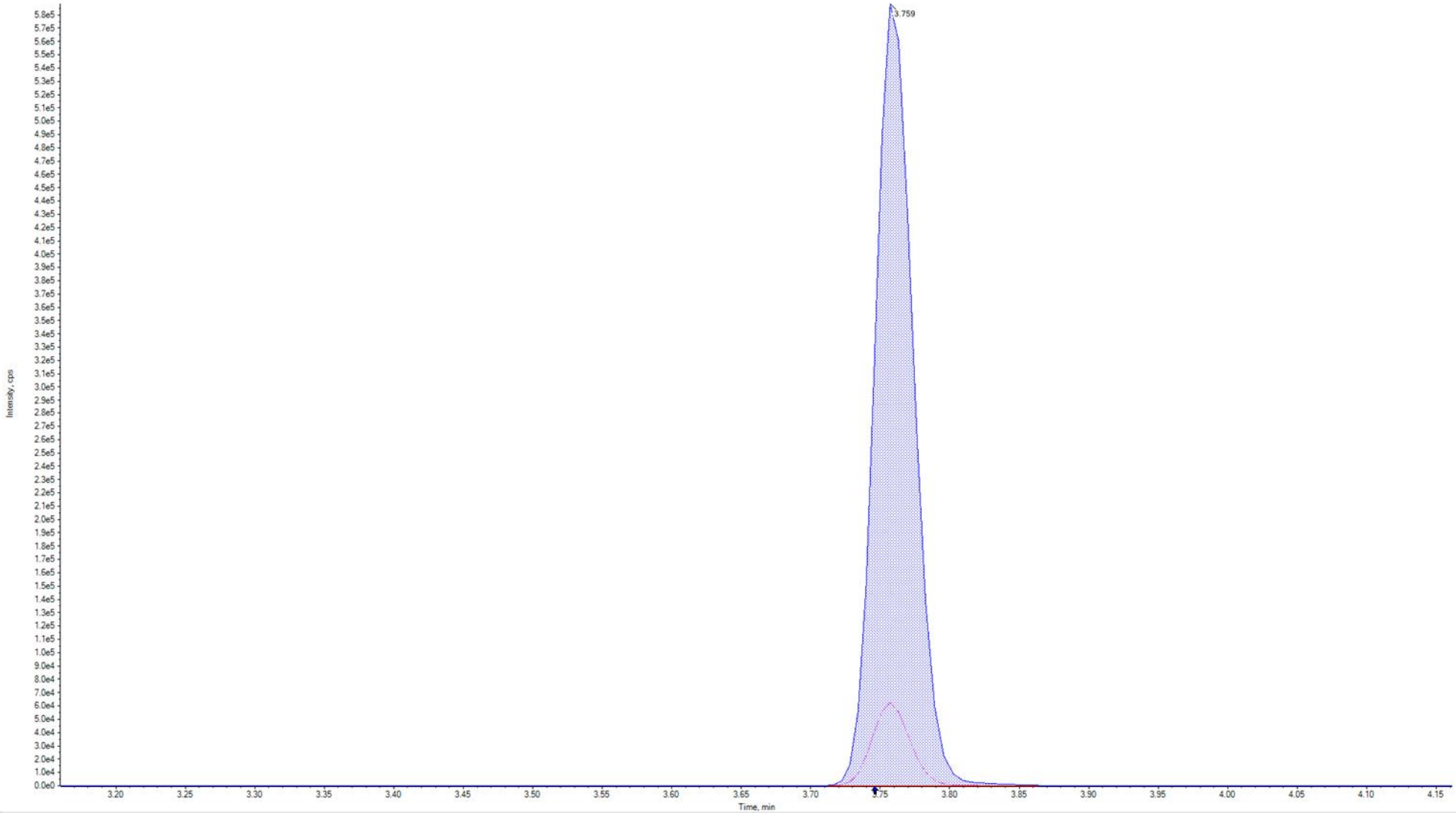


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_16.wiff2_6
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

8:2FTS
Sample: IA1633STD-12.5 S/N:14159.7 Points Across peak:36

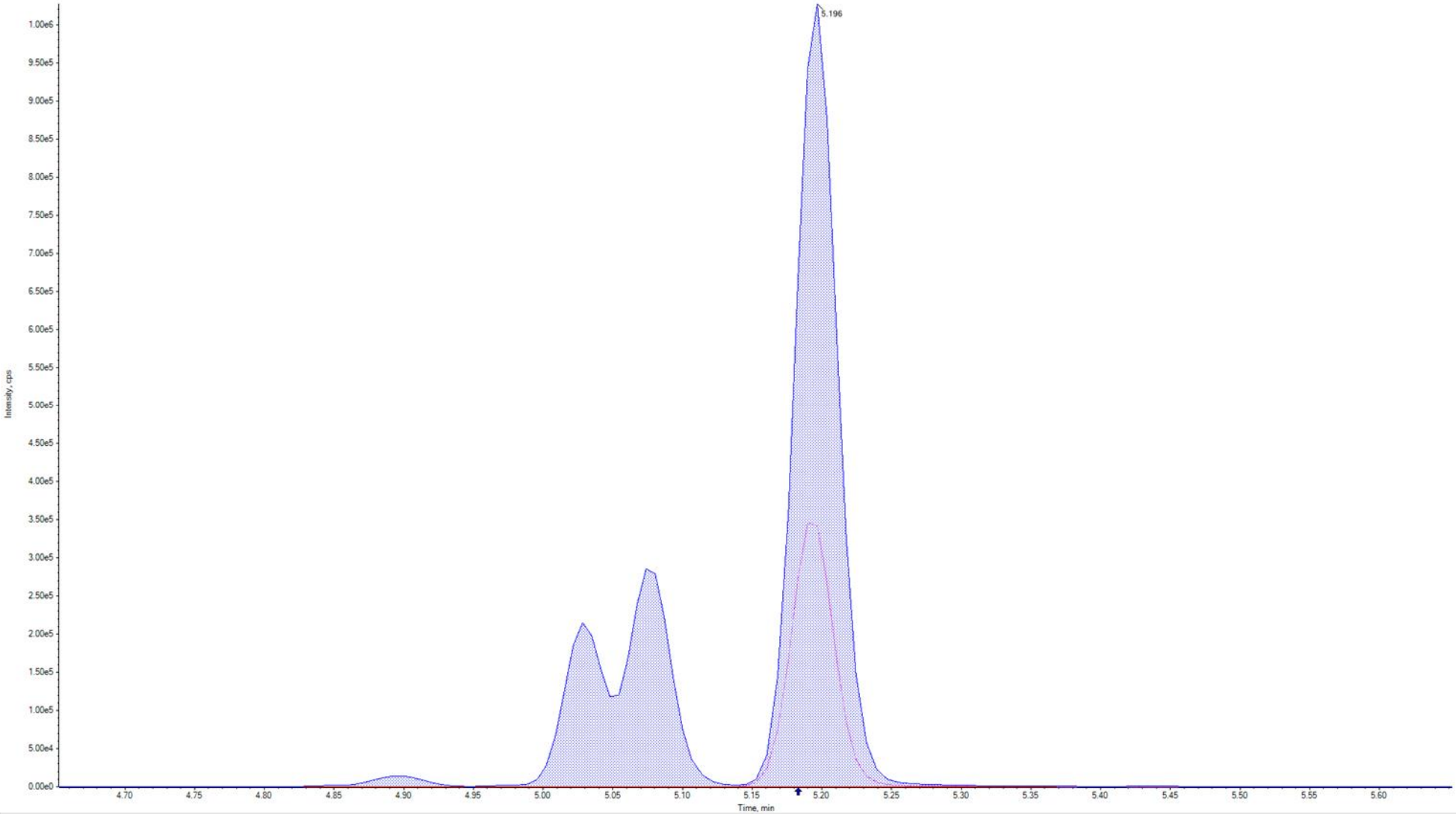


8:2FTS_2
Sample: IA1633STD-12.5 S/N:11098.1 Points Across peak:29



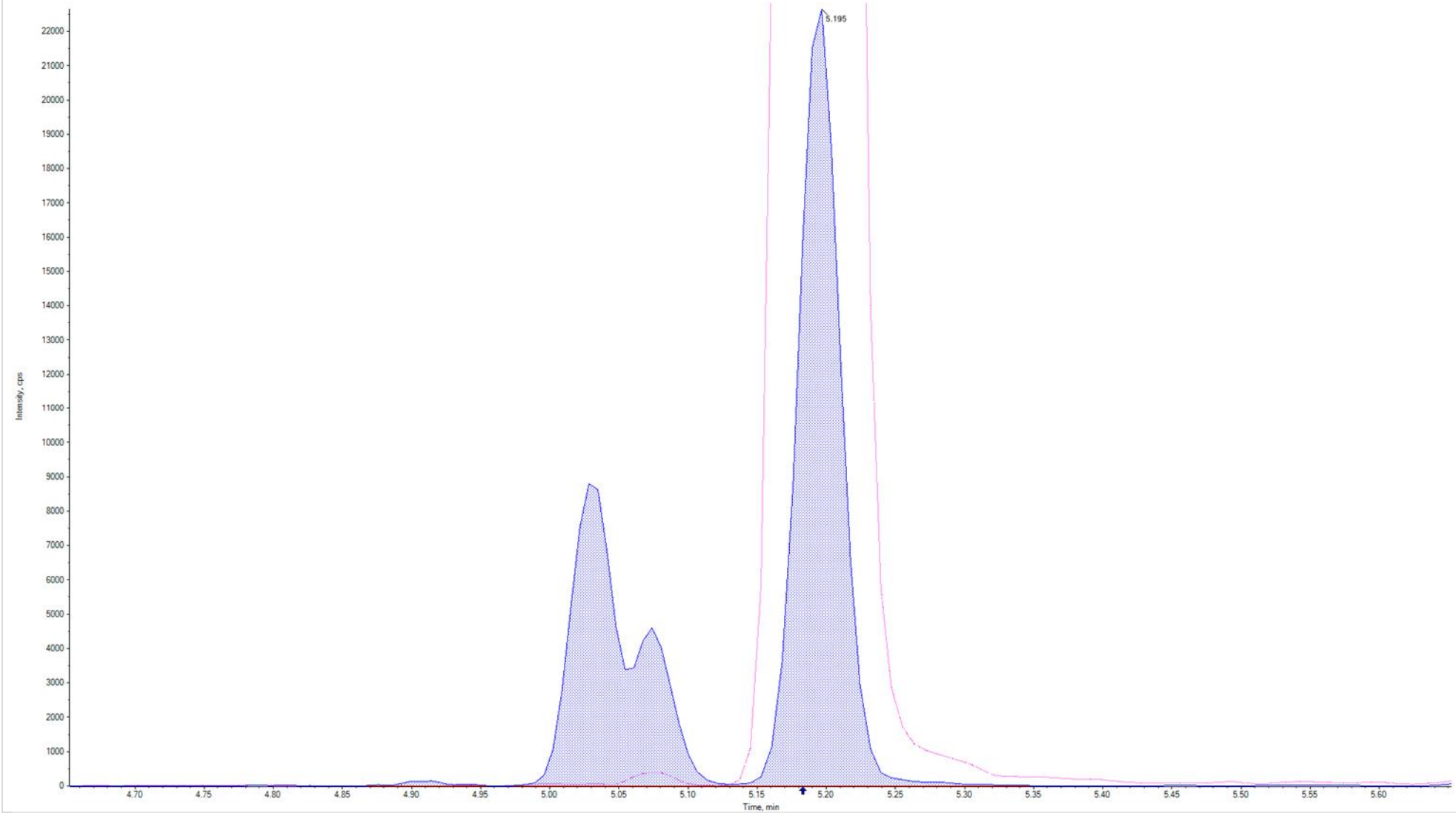
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_16.wiff2_6
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFOSA
Sample: IA1633STD-12.5 S/N:246.7 Points Across peak:84



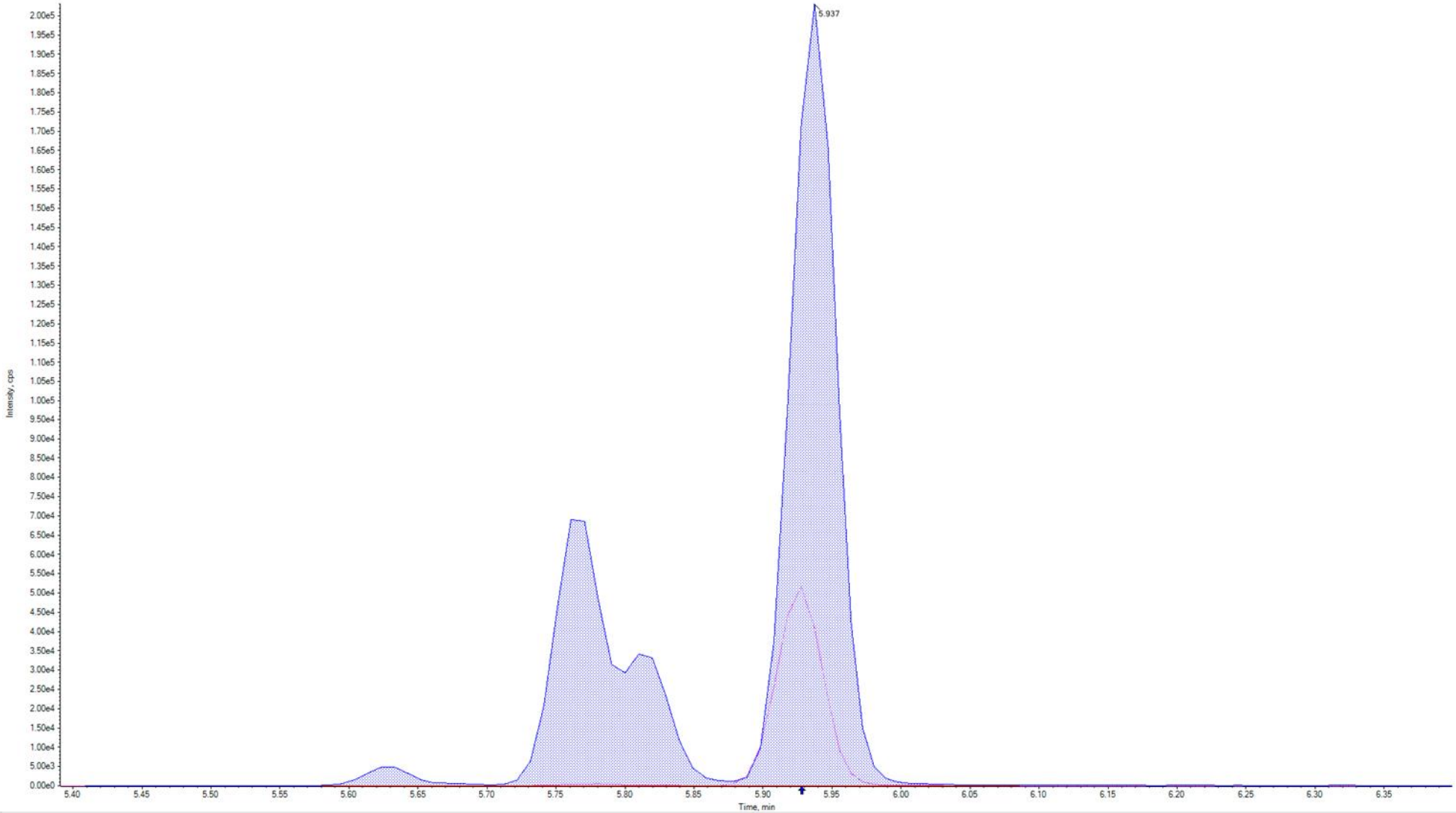
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_16.wiff2_6
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFOSA_2
Sample: IA1633STD-12.5 S/N:293.4 Points Across peak:74



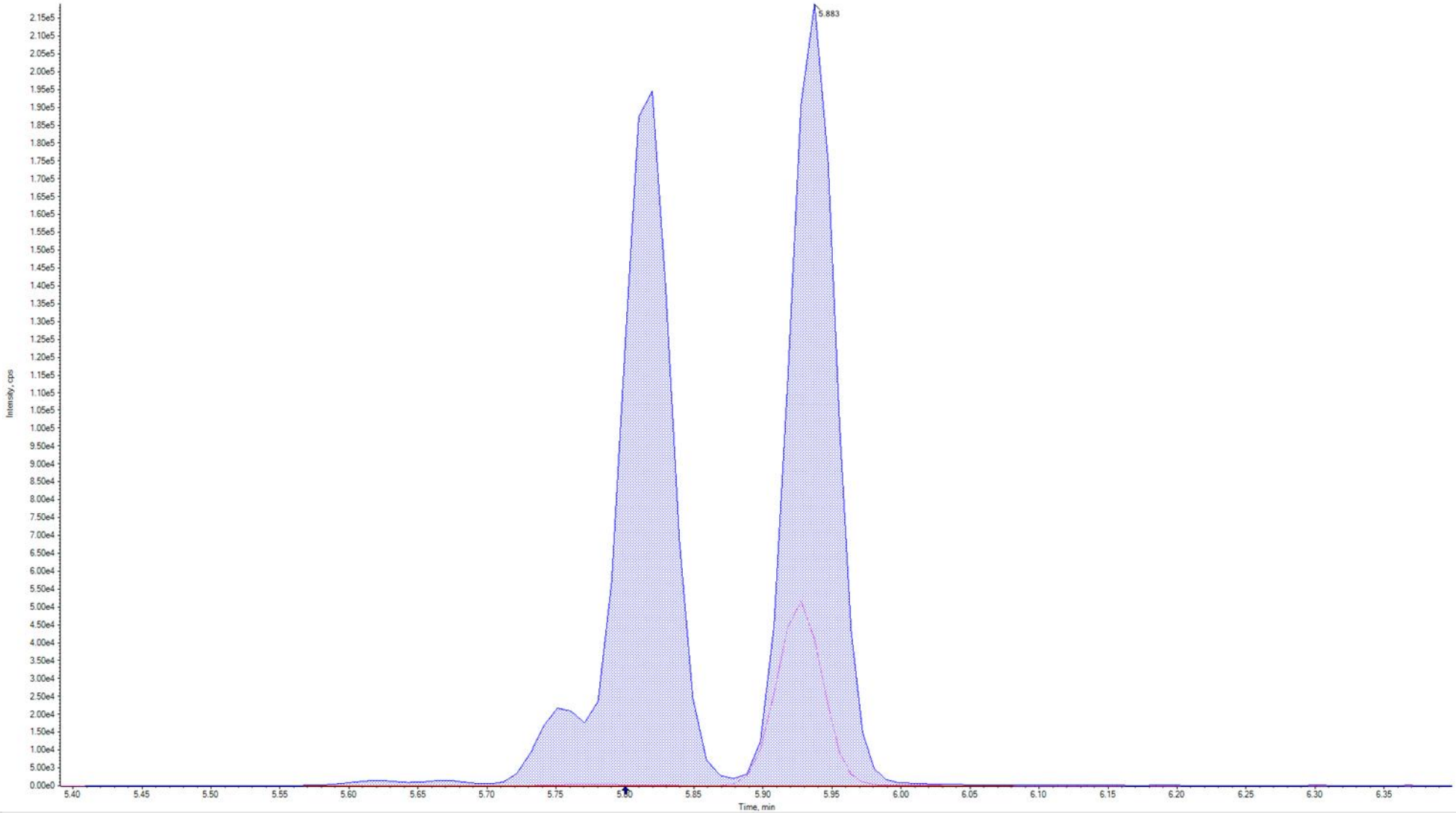
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_16.wiff2_6
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NMeFOSA
Sample: IA1633STD-12.5 S/N:279.1 Points Across peak:58



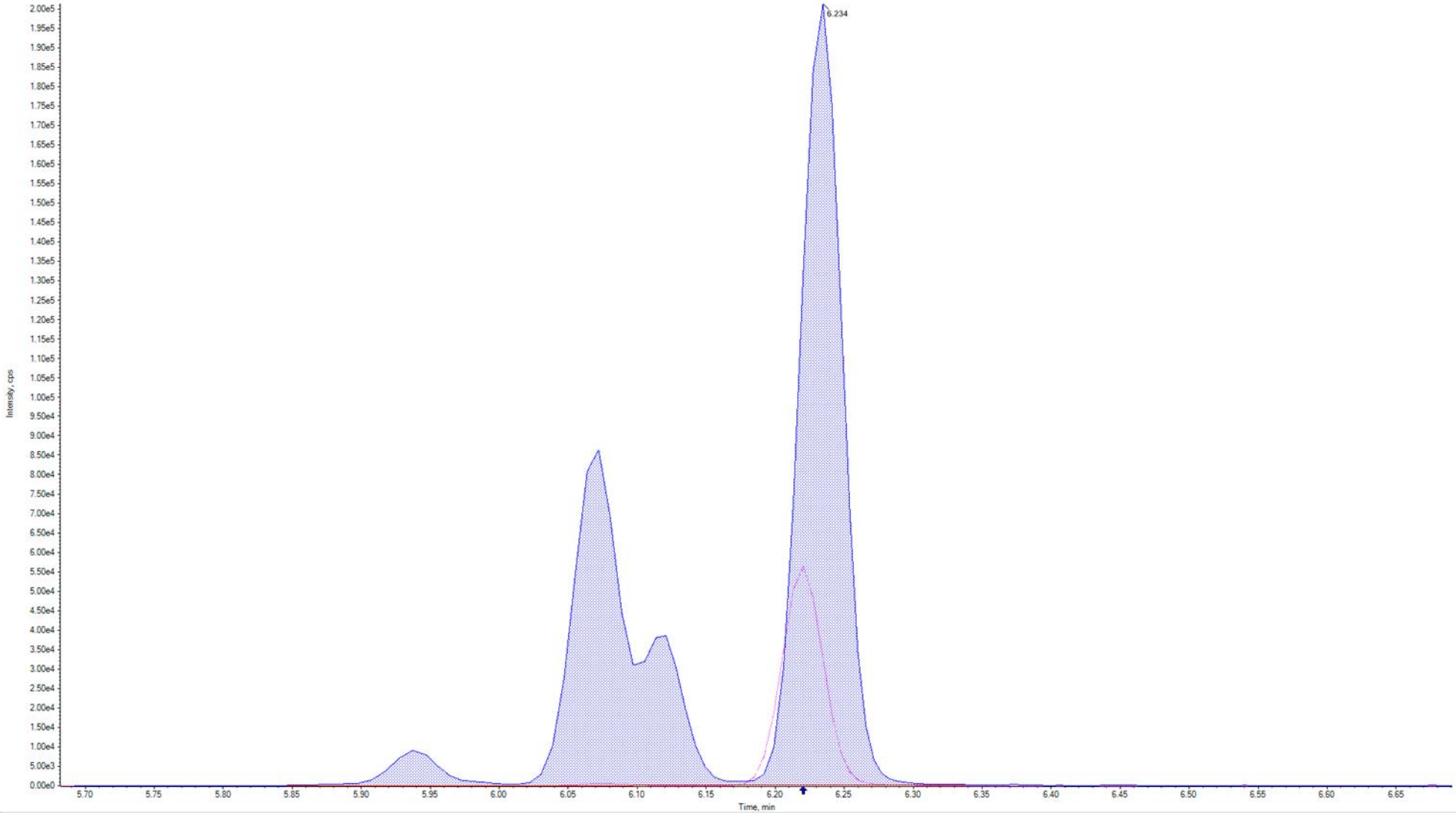
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_16.wiff2_6
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NMeFOSA_2
Sample: IA1633STD-12.5 S/N:217.4 Points Across peak:60



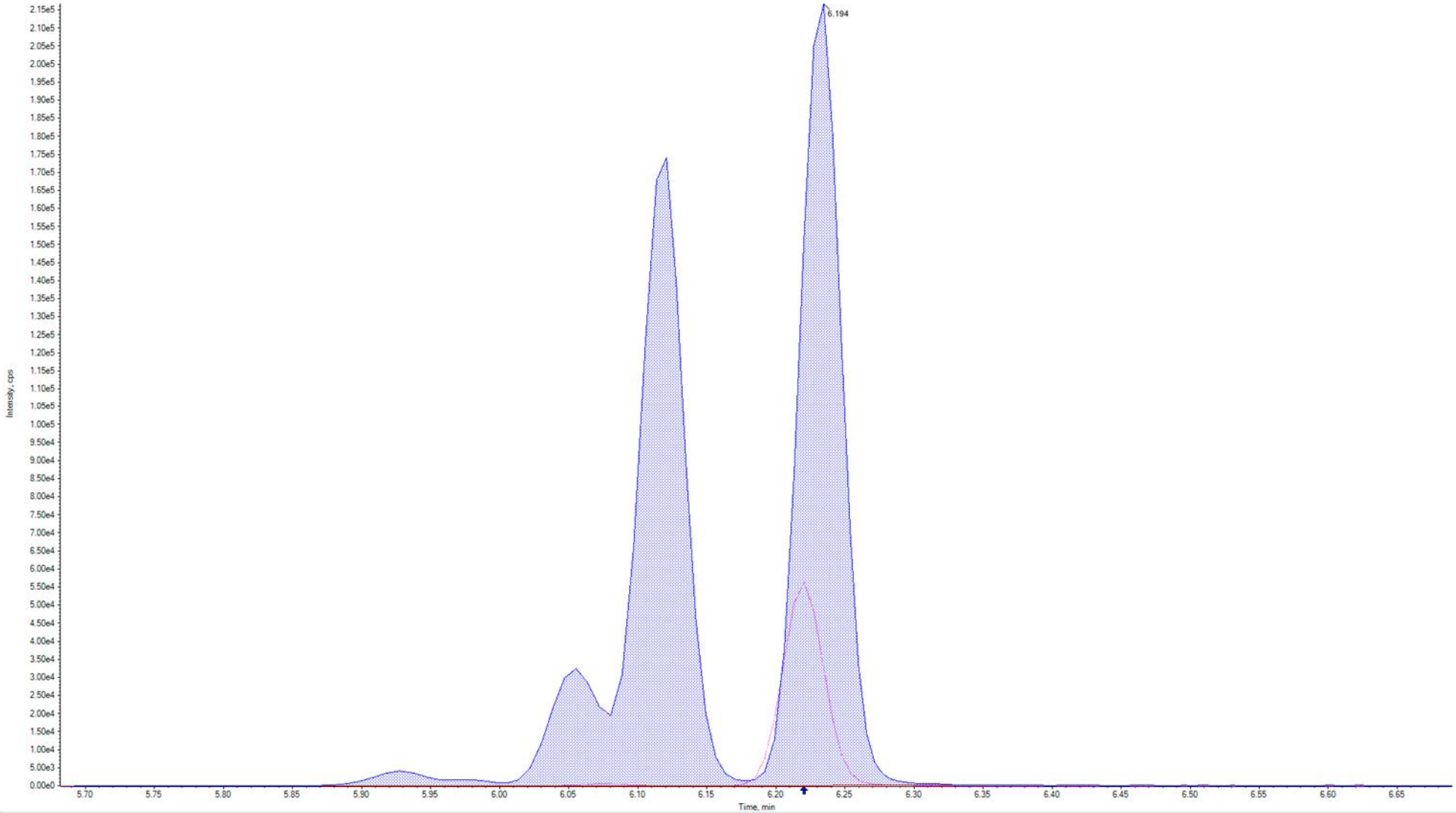
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_16.wiff2_6
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NEtFOSA
Sample: IA1633STD-12.5 S/N:576.6 Points Across peak:71



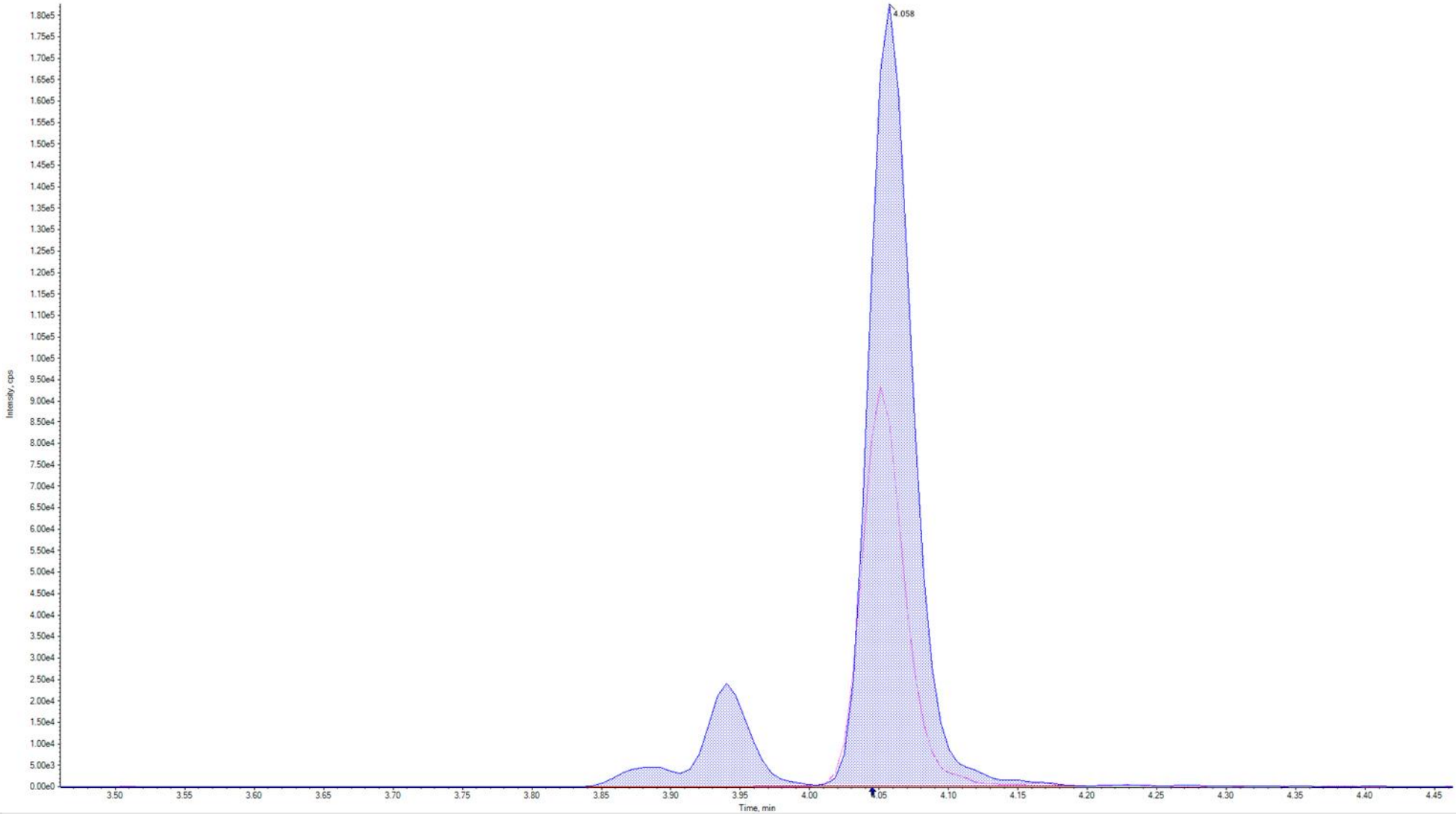
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NEtFOSA_2
Sample: IA1633STD-12.5 S/N:509.0 Points Across peak:71



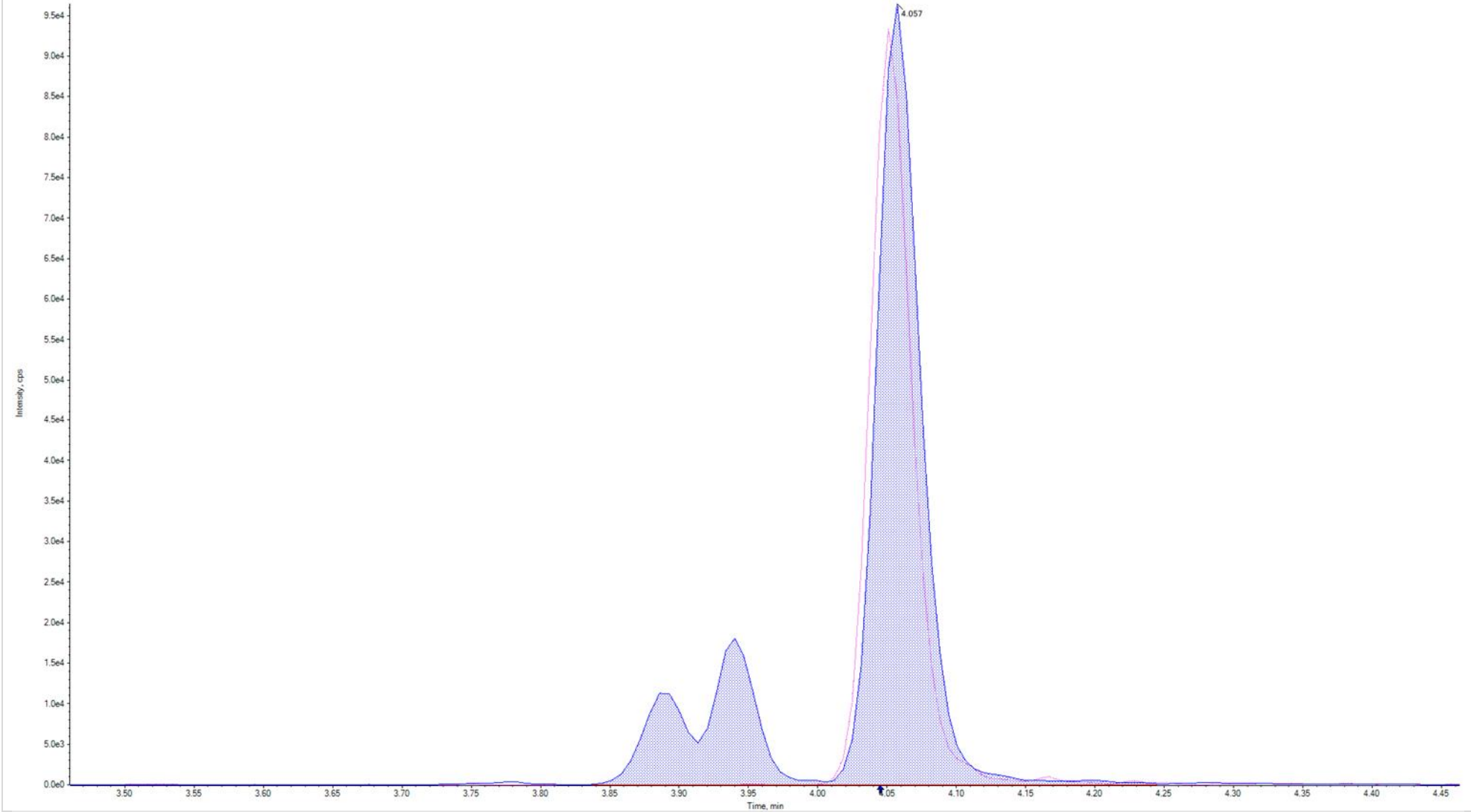
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NMeFOSAA
Sample: IA1633STD-12.5 S/N:534.4 Points Across peak:59



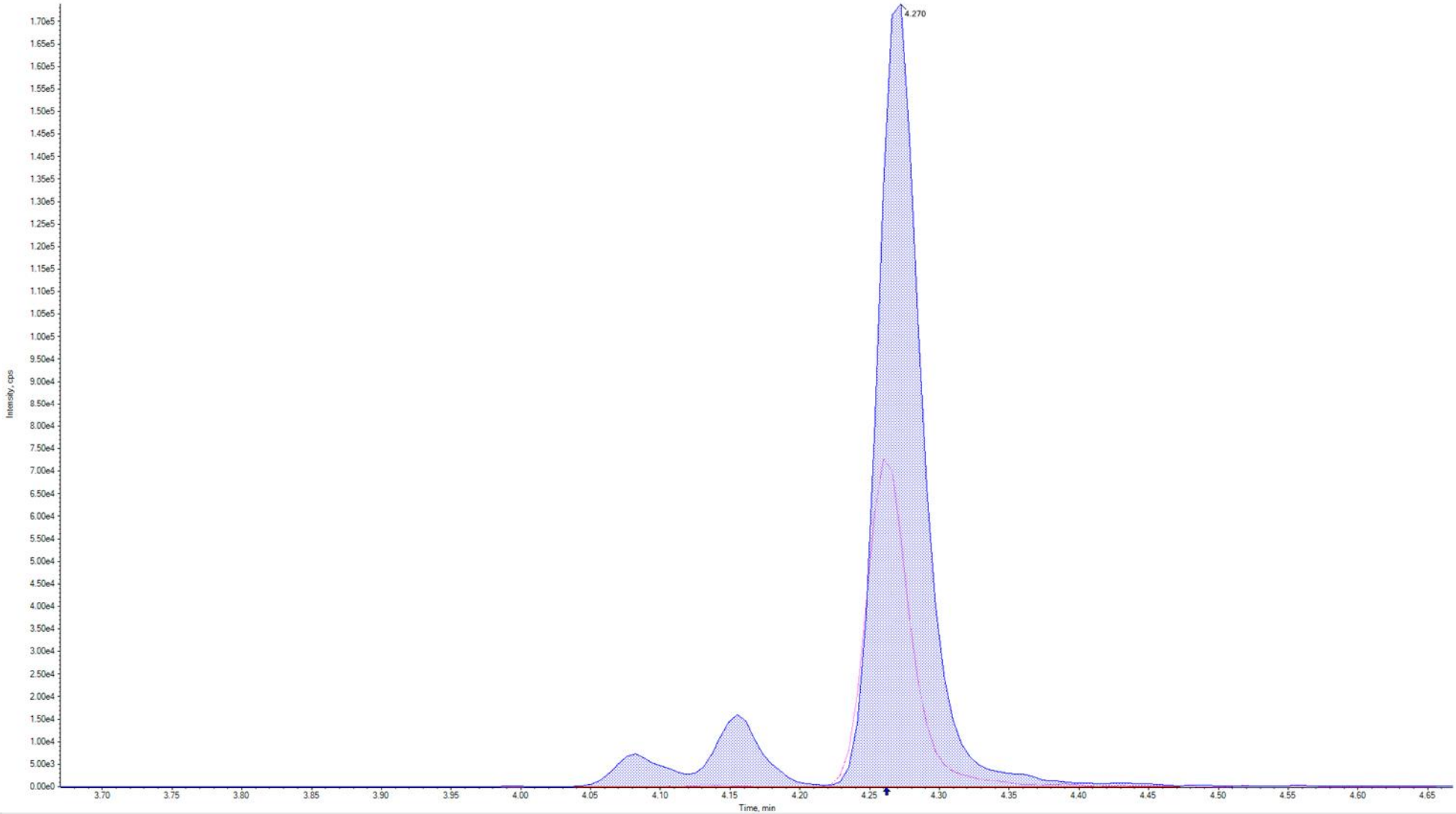
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NMeFOSAA_2
Sample: IA1633STD-12.5 S/N:311.0 Points Across peak:68



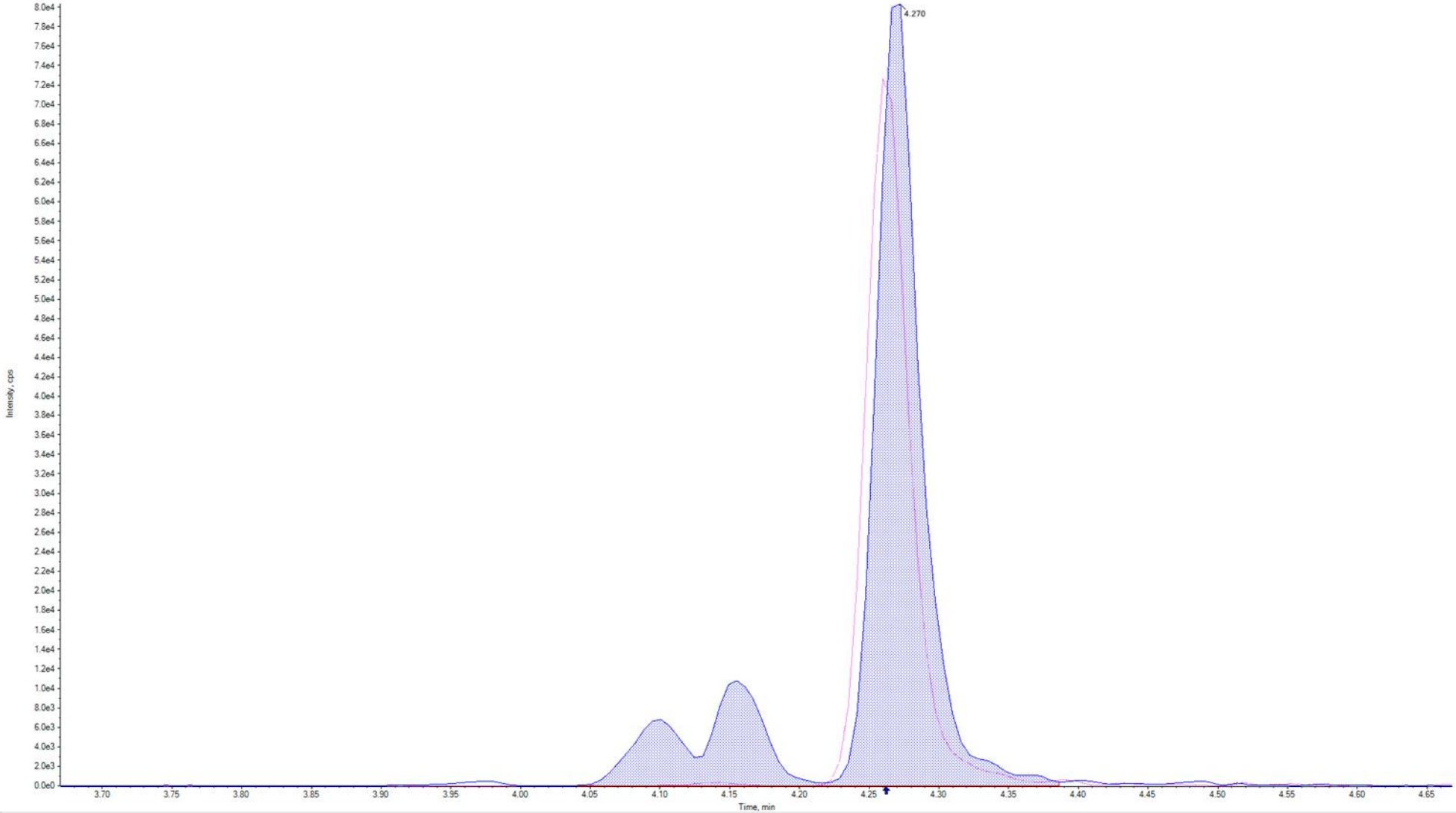
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_16.wiff2_6
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NEtFOSAA
Sample: IA1633STD-12.5 S/N:534.0 Points Across peak:74



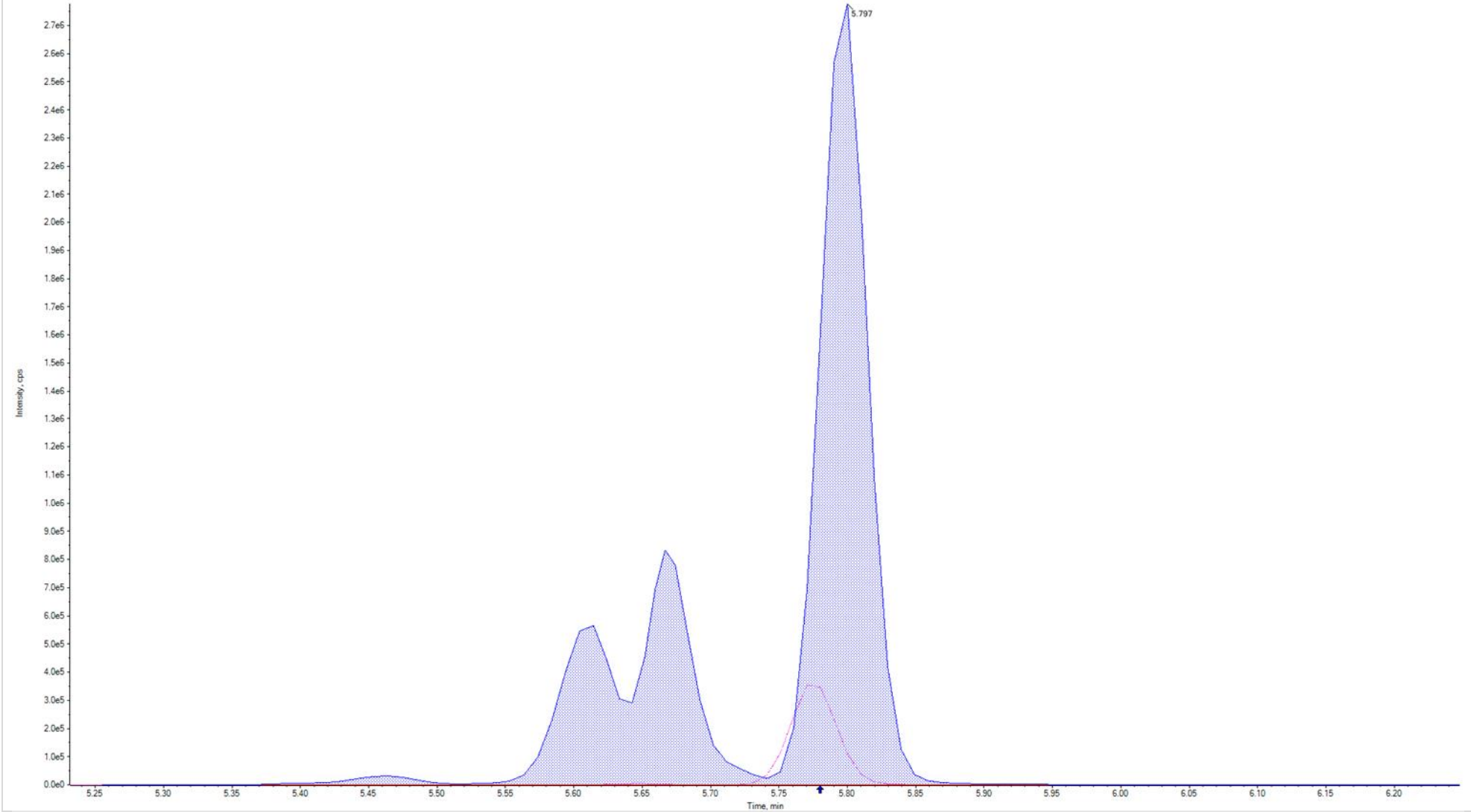
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NEtFOSAA_2
Sample: IA1633STD-12.5 S/N:367.9 Points Across peak:60



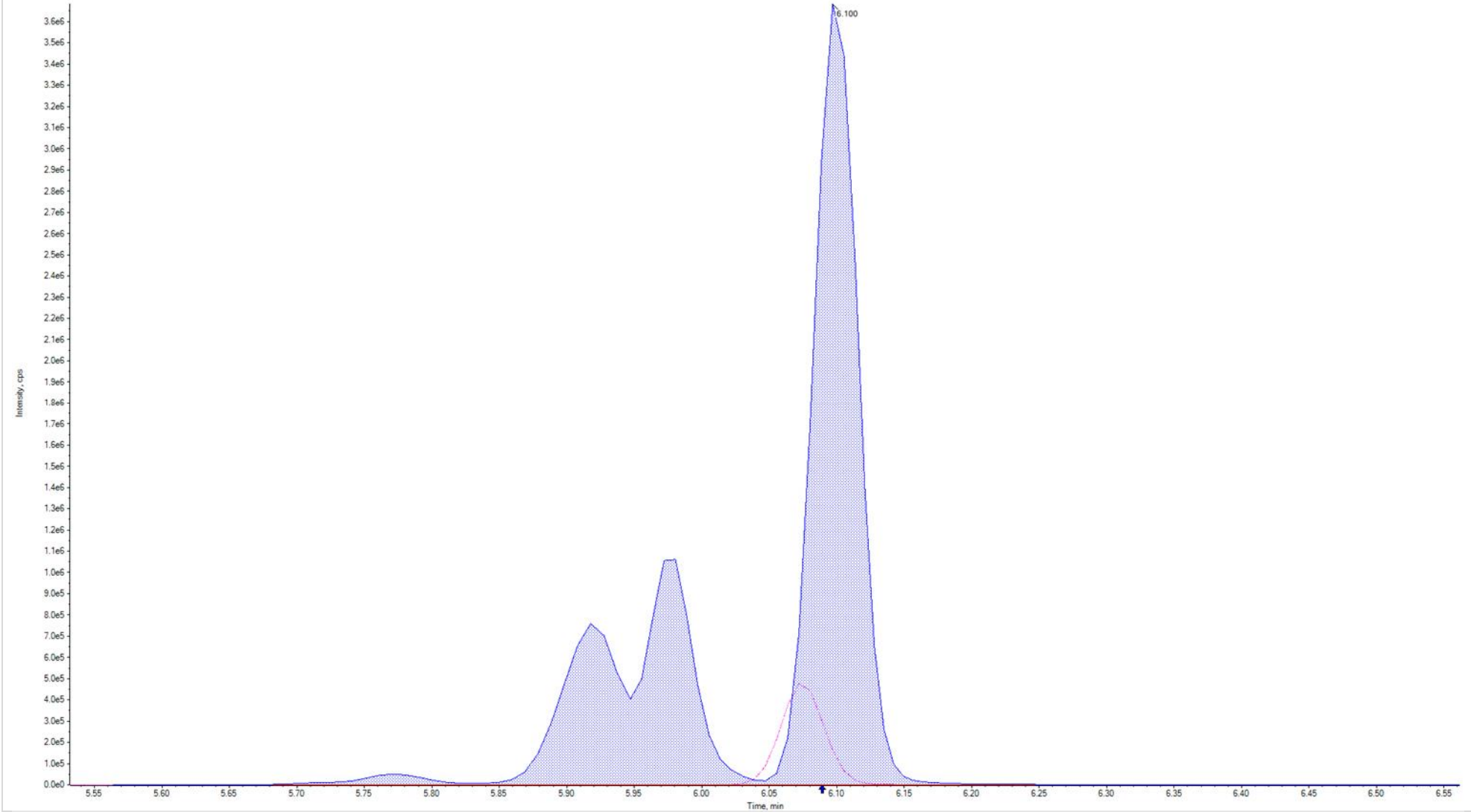
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NMeFOSE
Sample: IA1633STD-12.5 S/N:191.9 Points Across peak:68



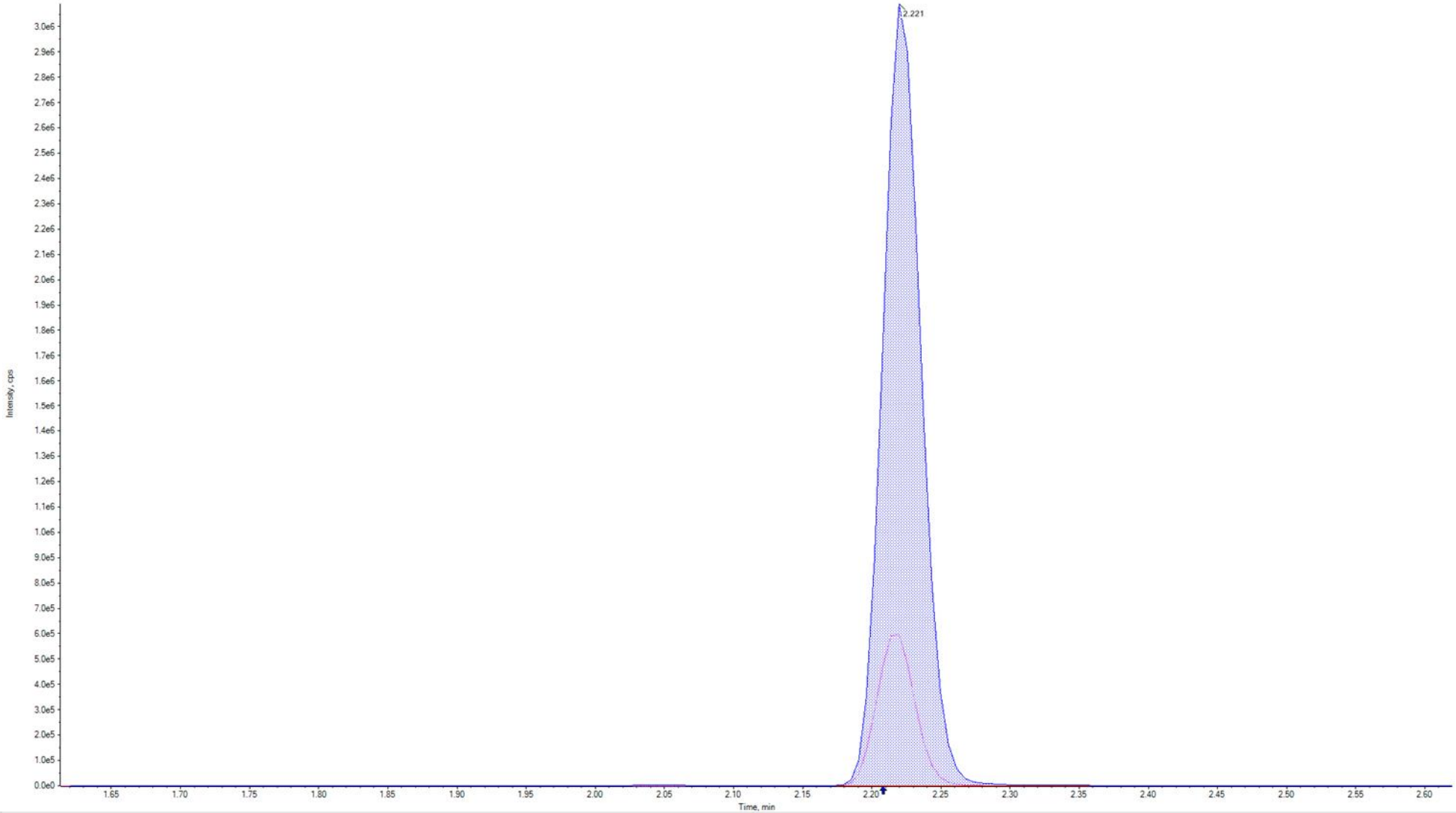
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NEtFOSE
Sample: IA1633STD-12.5 S/N:406.0 Points Across peak:75



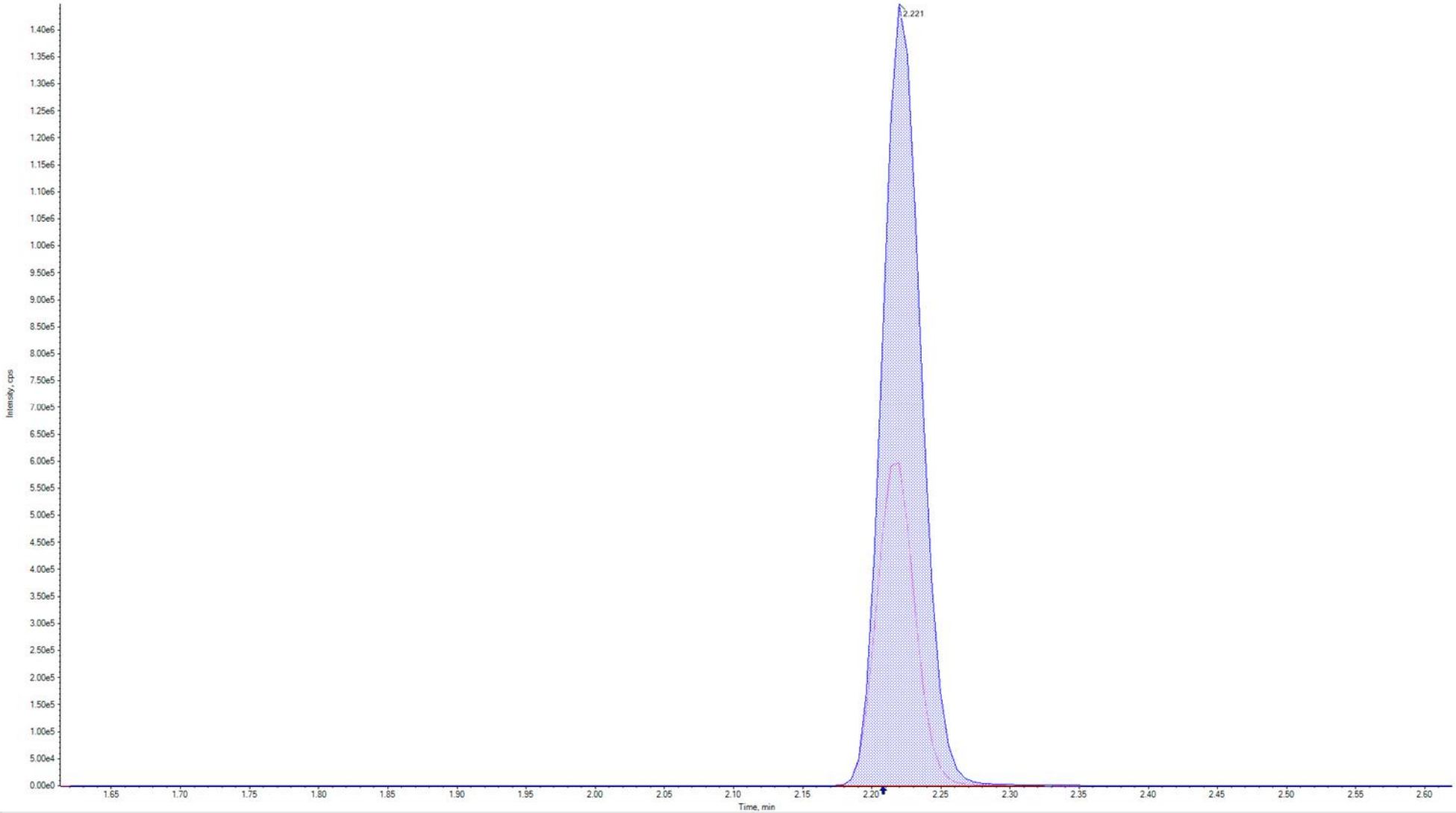
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

HFPO-DA
Sample: IA1633STD-12.5 S/N:10487.7 Points Across peak:44



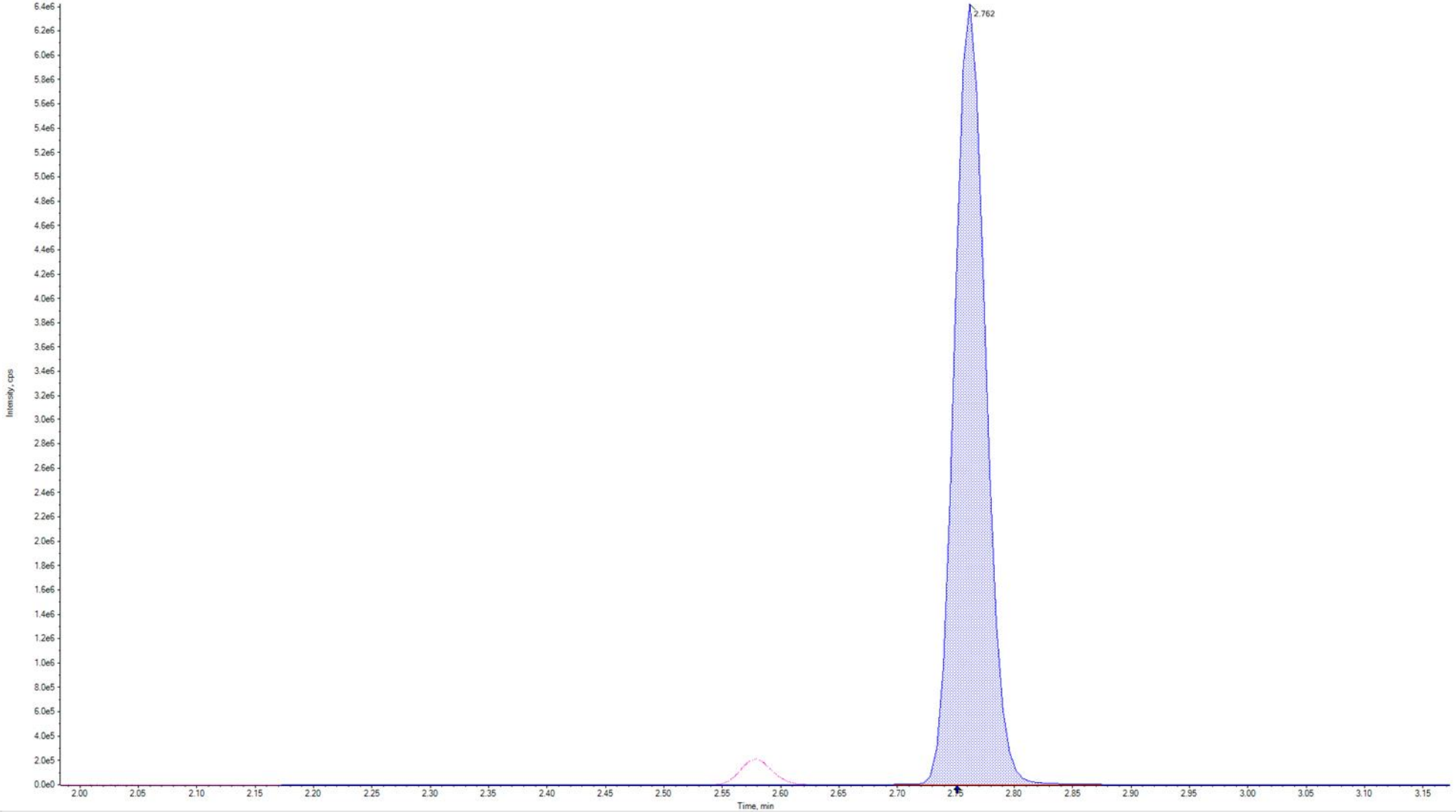
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

HFPO-DA_2
Sample: IA1633STD-12.5 S/N:32662.9 Points Across peak:29



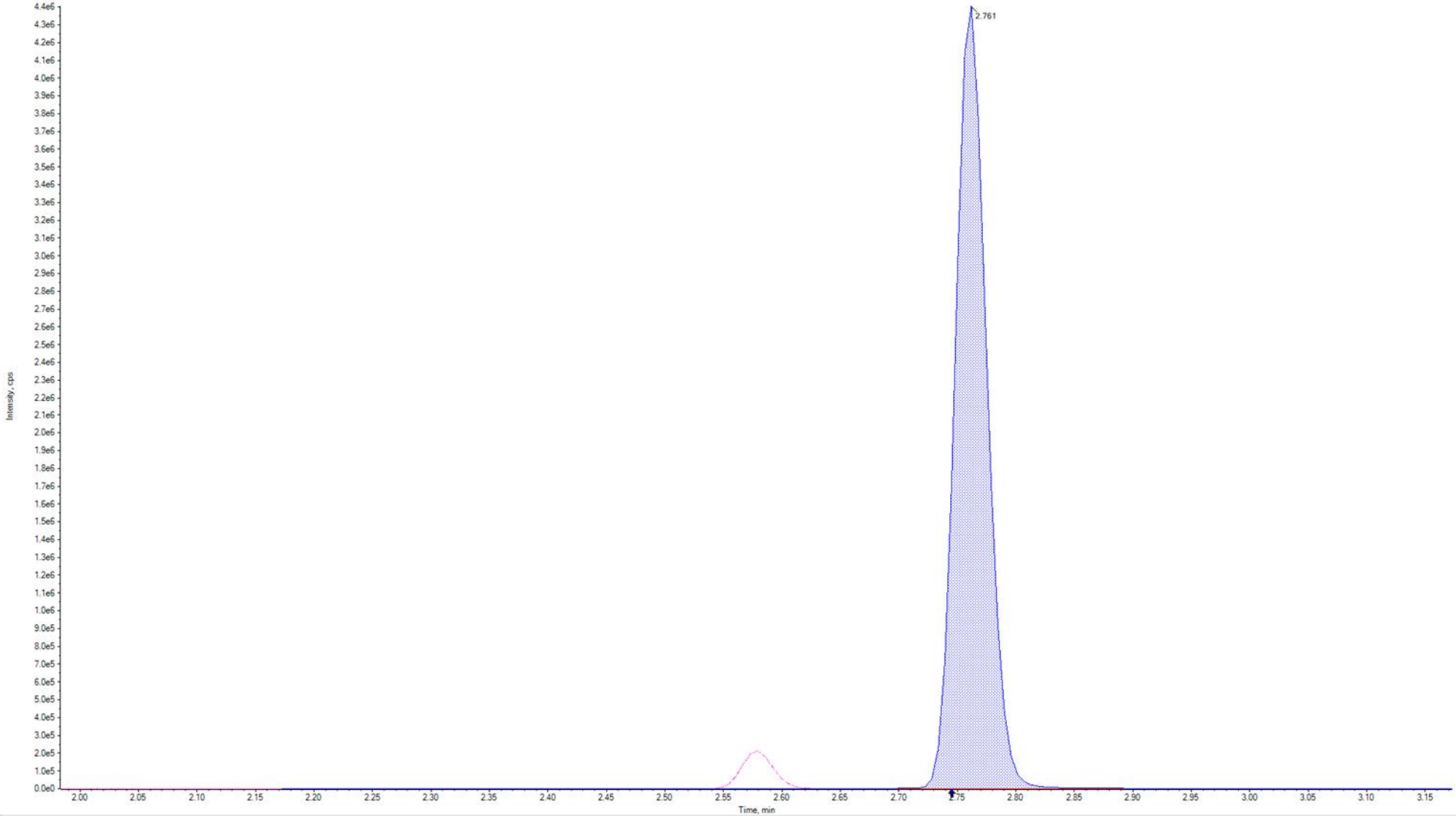
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

ADONA
Sample: IA1633STD-12.5 S/N:128771.3 Points Across peak:50



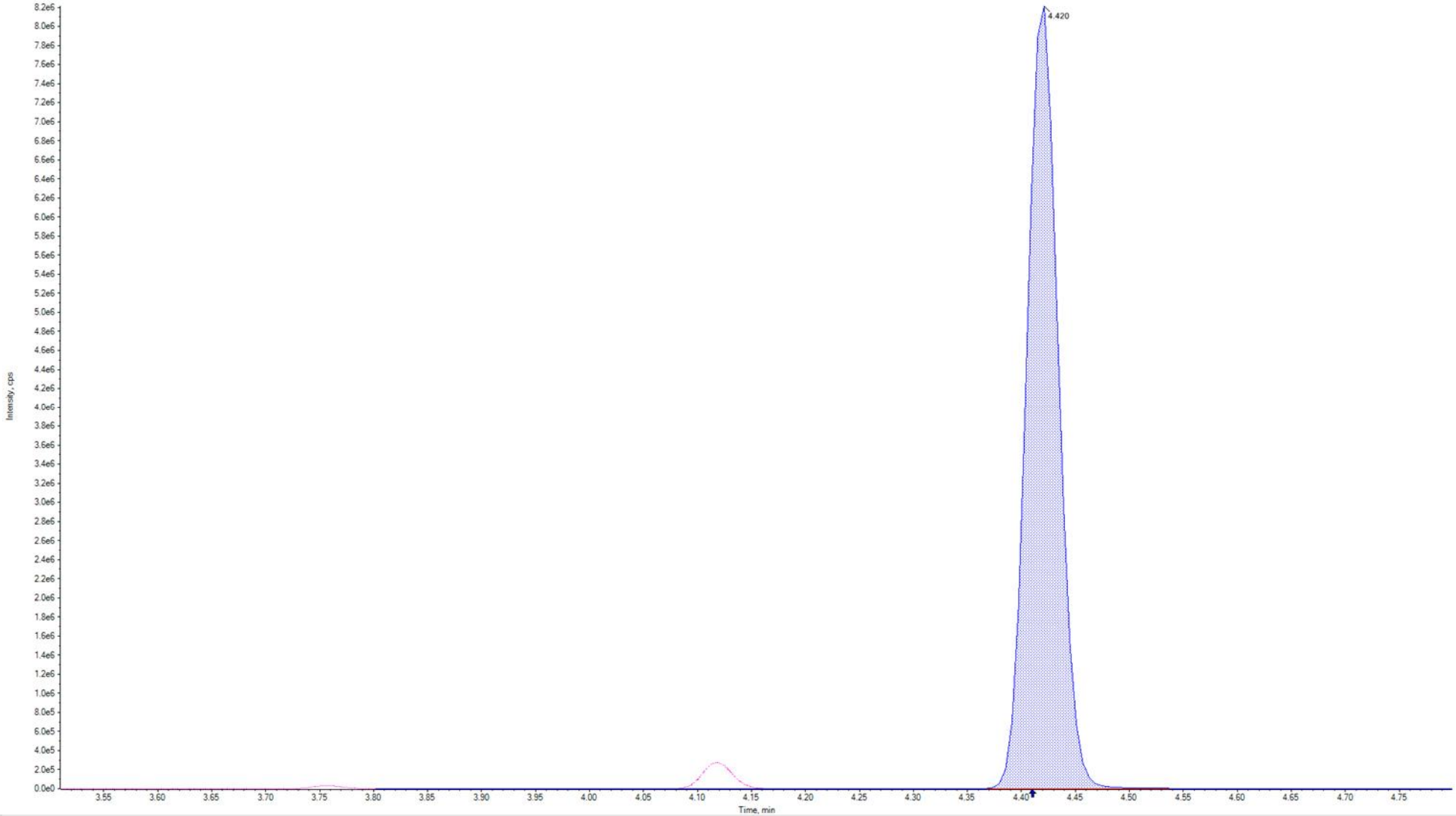
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Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

ADONA_2
Sample: IA1633STD-12.5 S/N:7164.9 Points Across peak:54



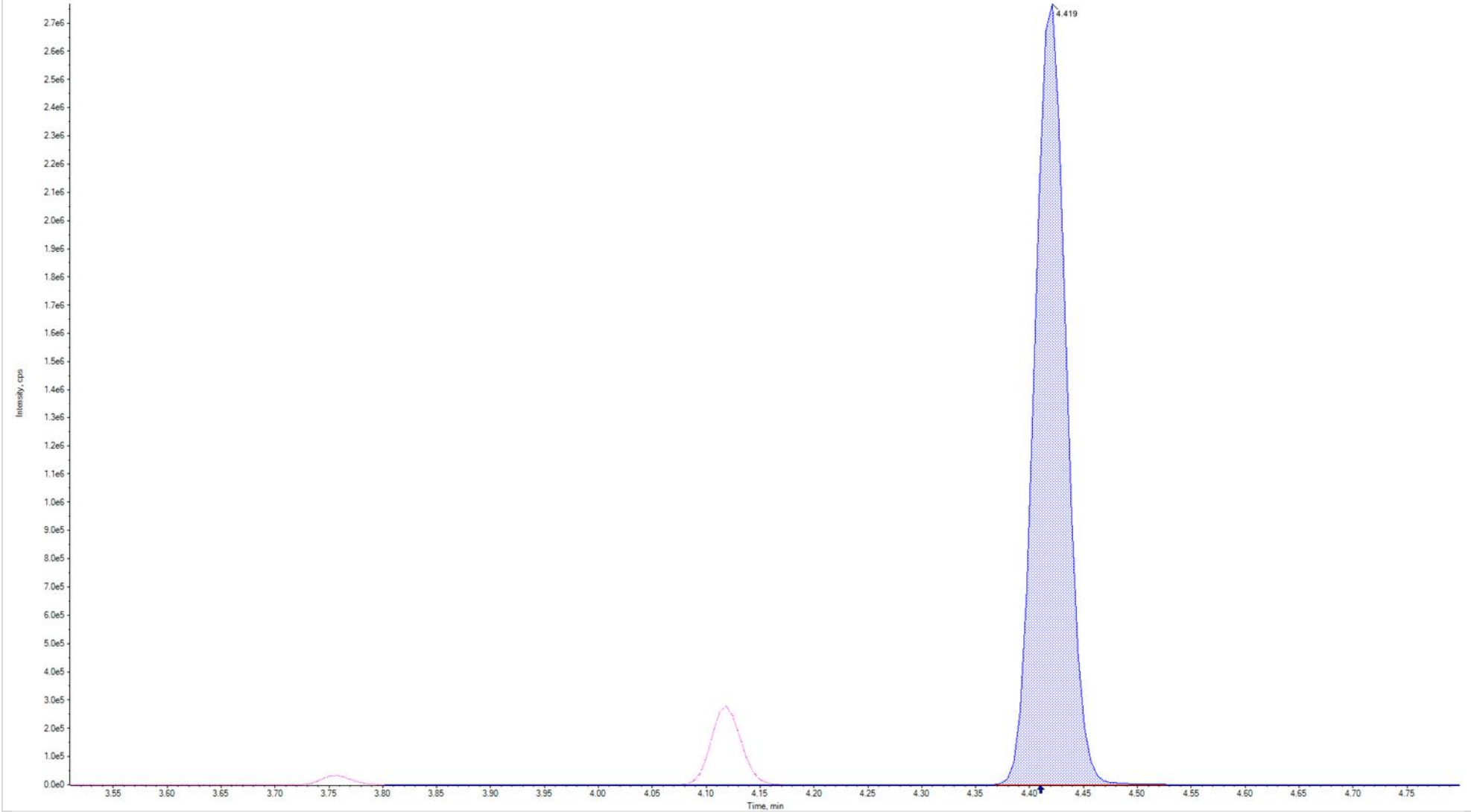
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

9Cl-PF3ONS
Sample: IA1633STD-12.5 S/N:185267.1 Points Across peak:55



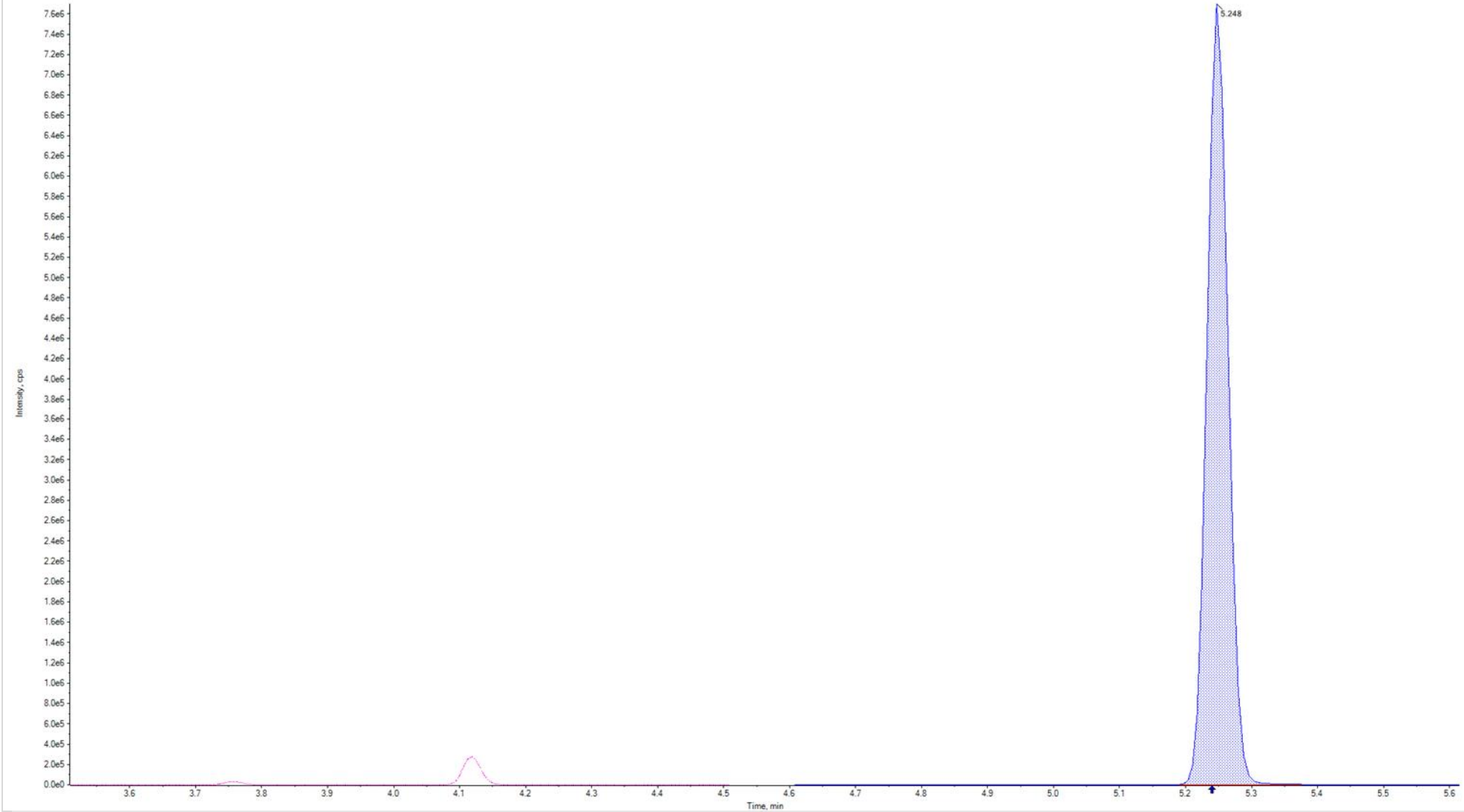
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

9Cl-PF3ONS_2
Sample: IA1633STD-12.5 S/N:13288.1 Points Across peak:36



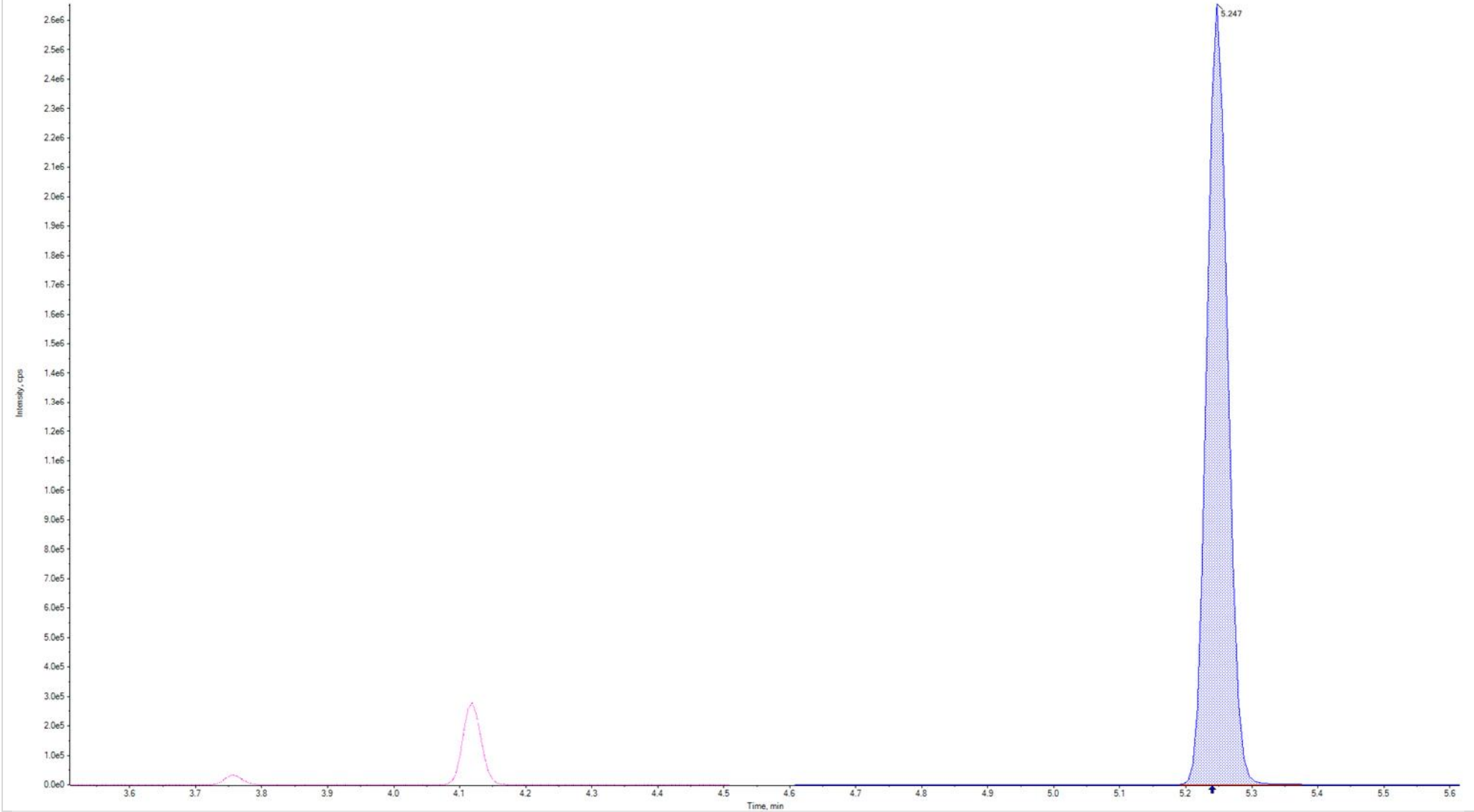
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

11Cl-PF3OUdS
Sample: IA1633STD-12.5 S/N:366600.1 Points Across peak:54



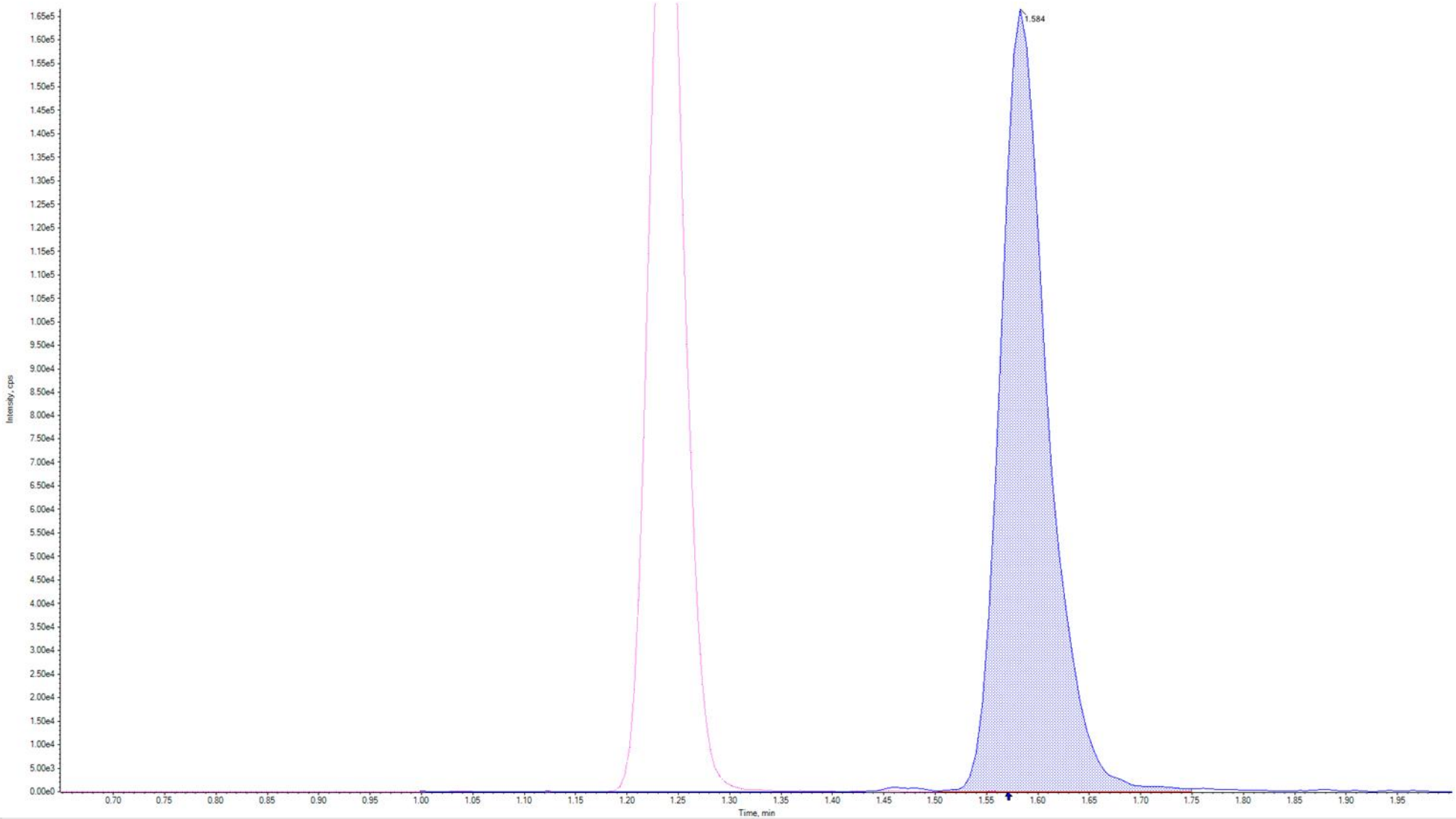
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_16.wiff2_6
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

11Cl-PF3OUdS_2
Sample: IA1633STD-12.5 S/N:13101.8 Points Across peak:35



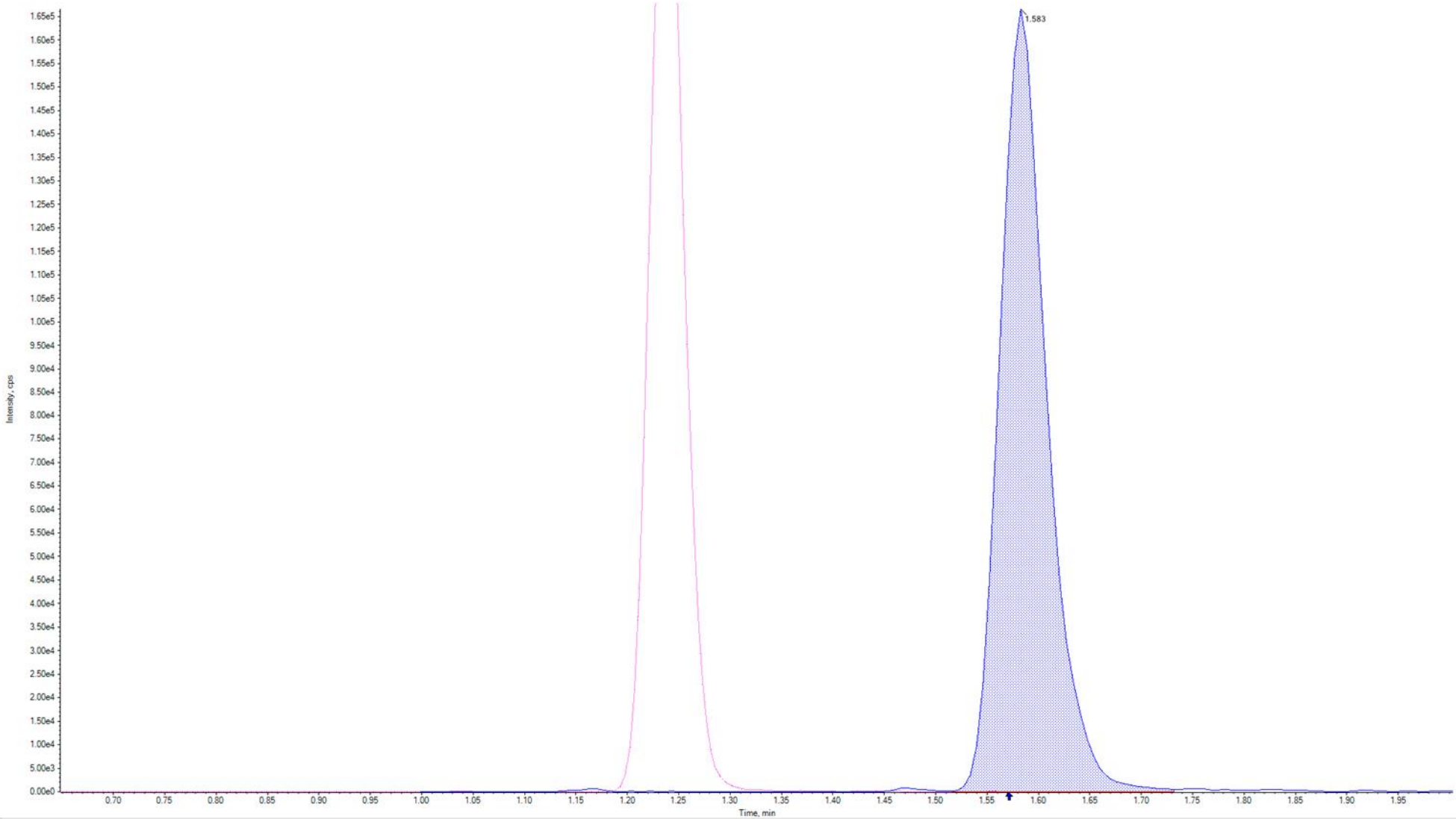
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_16.wiff2_6
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

3:3FTCA
Sample: IA1633STD-12.5 S/N:2967.3 Points Across peak:42



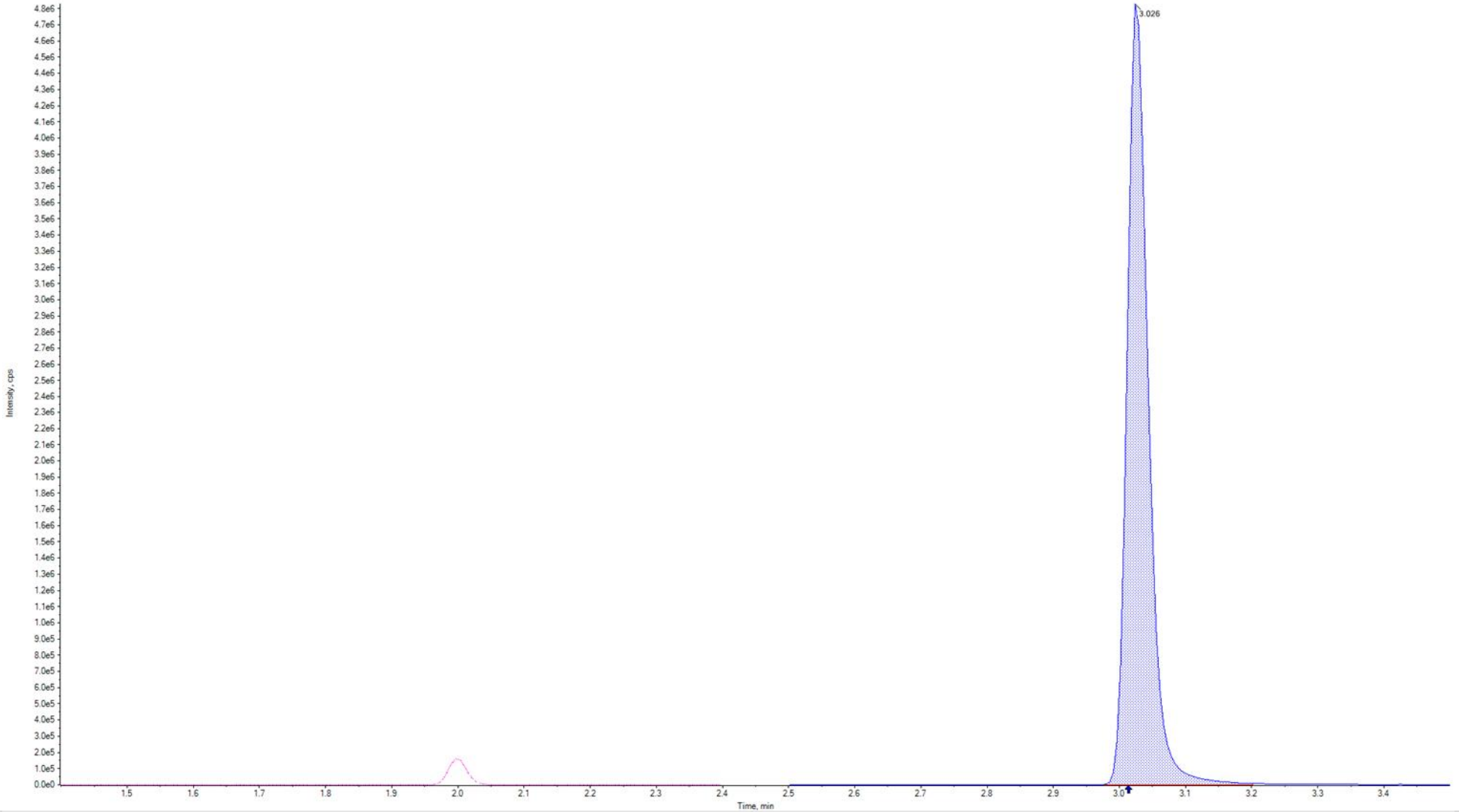
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_16.wiff2_6
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

3:3FTCA_2
Sample: IA1633STD-12.5 S/N:2659.5 Points Across peak:37



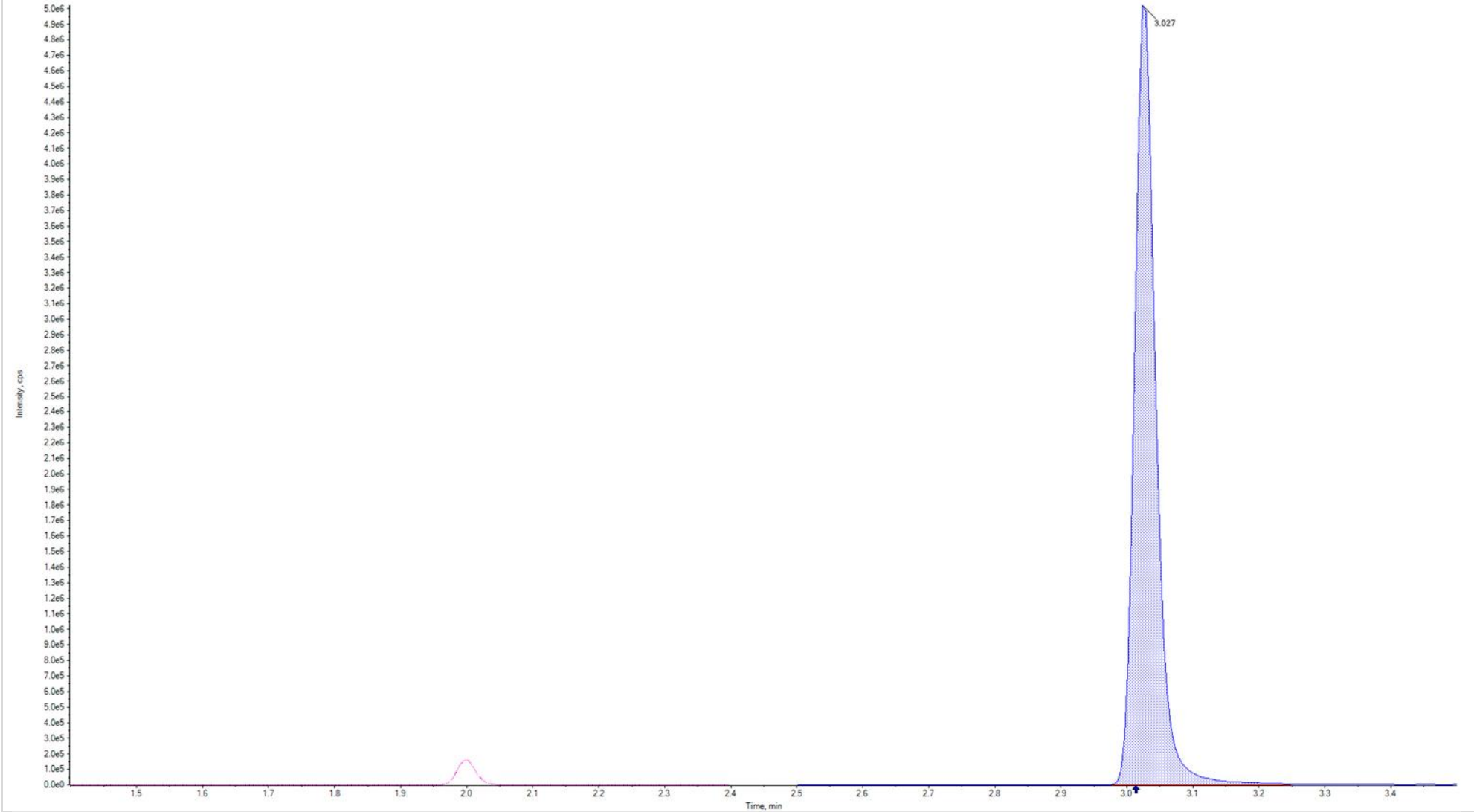
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_16.wiff2_6
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

5:3FTCA
Sample: IA1633STD-12.5 S/N:108946.5 Points Across peak:44

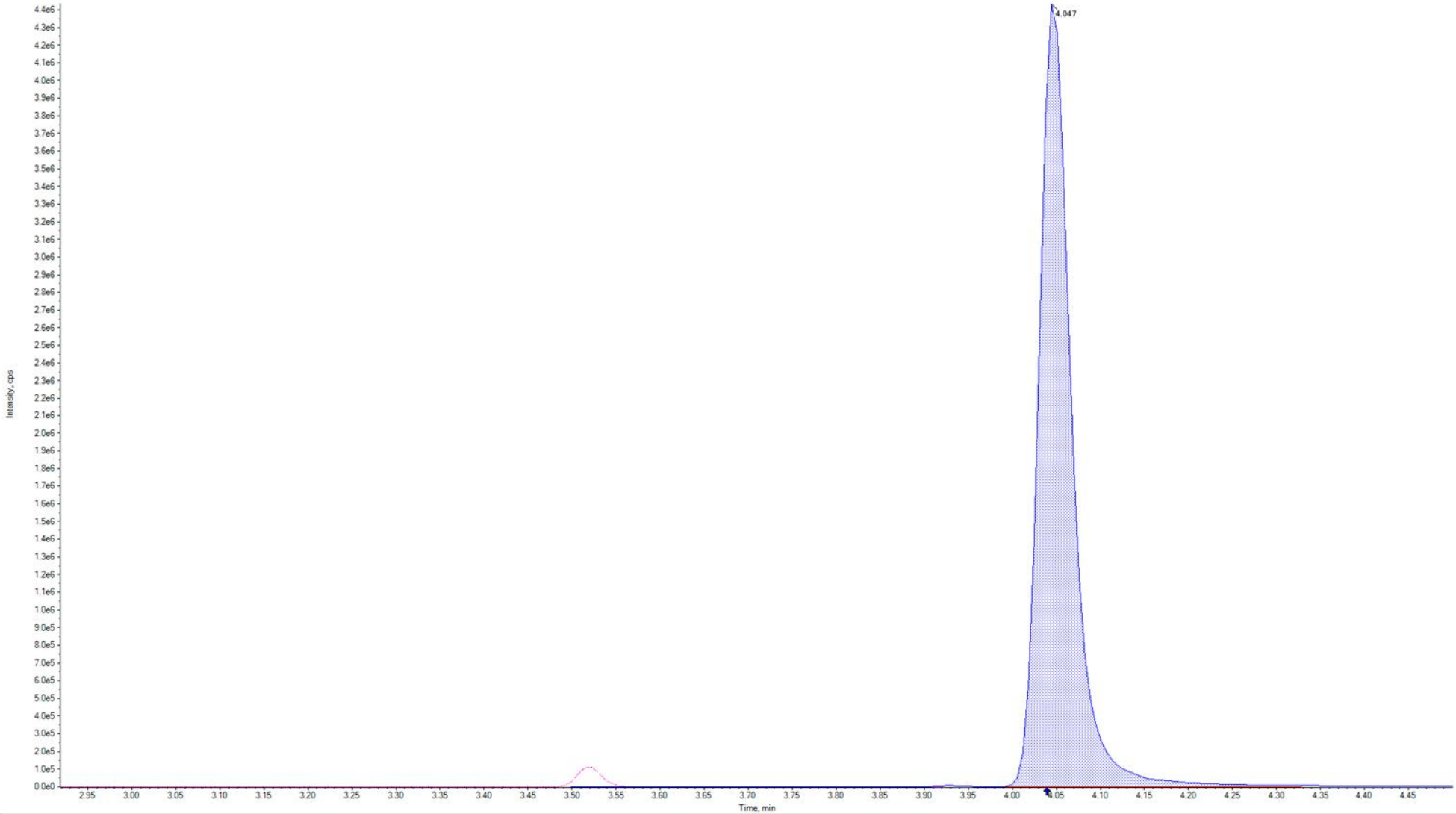


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_16.wiff2_6
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

5:3FTCA_2
Sample: IA1633STD-12.5 S/N:18131.2 Points Across peak:54

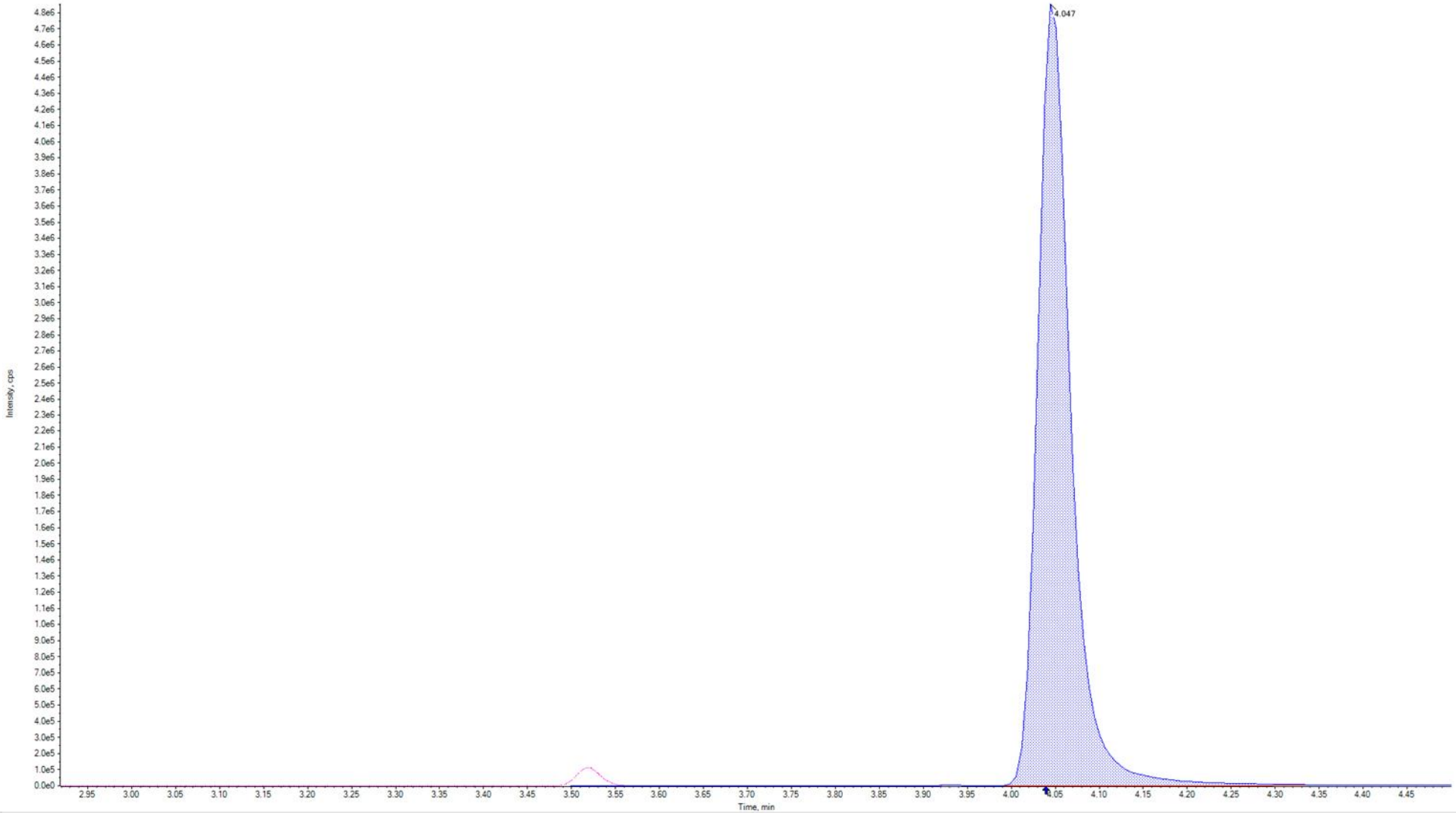


7:3FTCA
Sample: IA1633STD-12.5 S/N:34814.6 Points Across peak:57



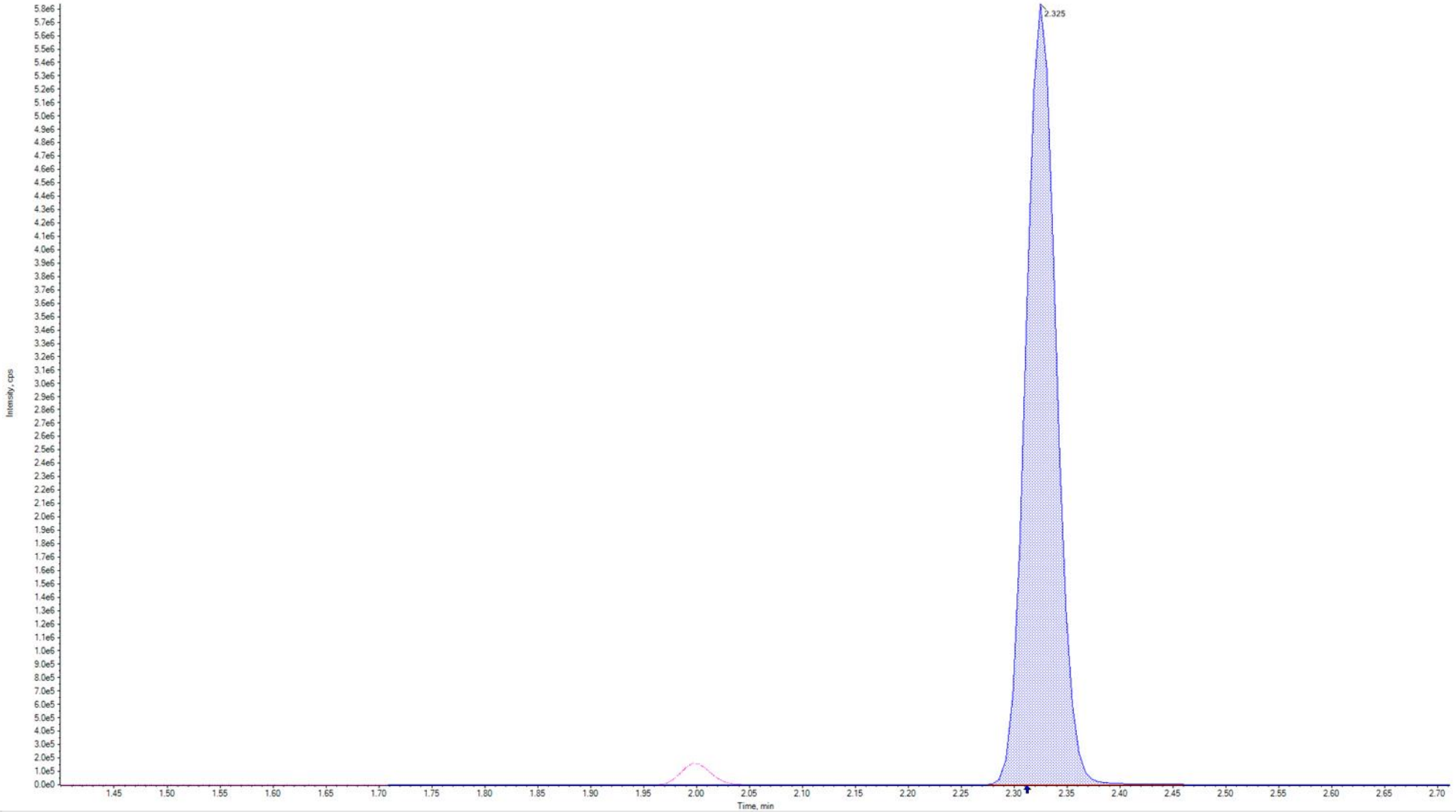
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_16.wiff2_6
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

7:3FTCA_2
Sample: IA1633STD-12.5 S/N:51540.3 Points Across peak:63



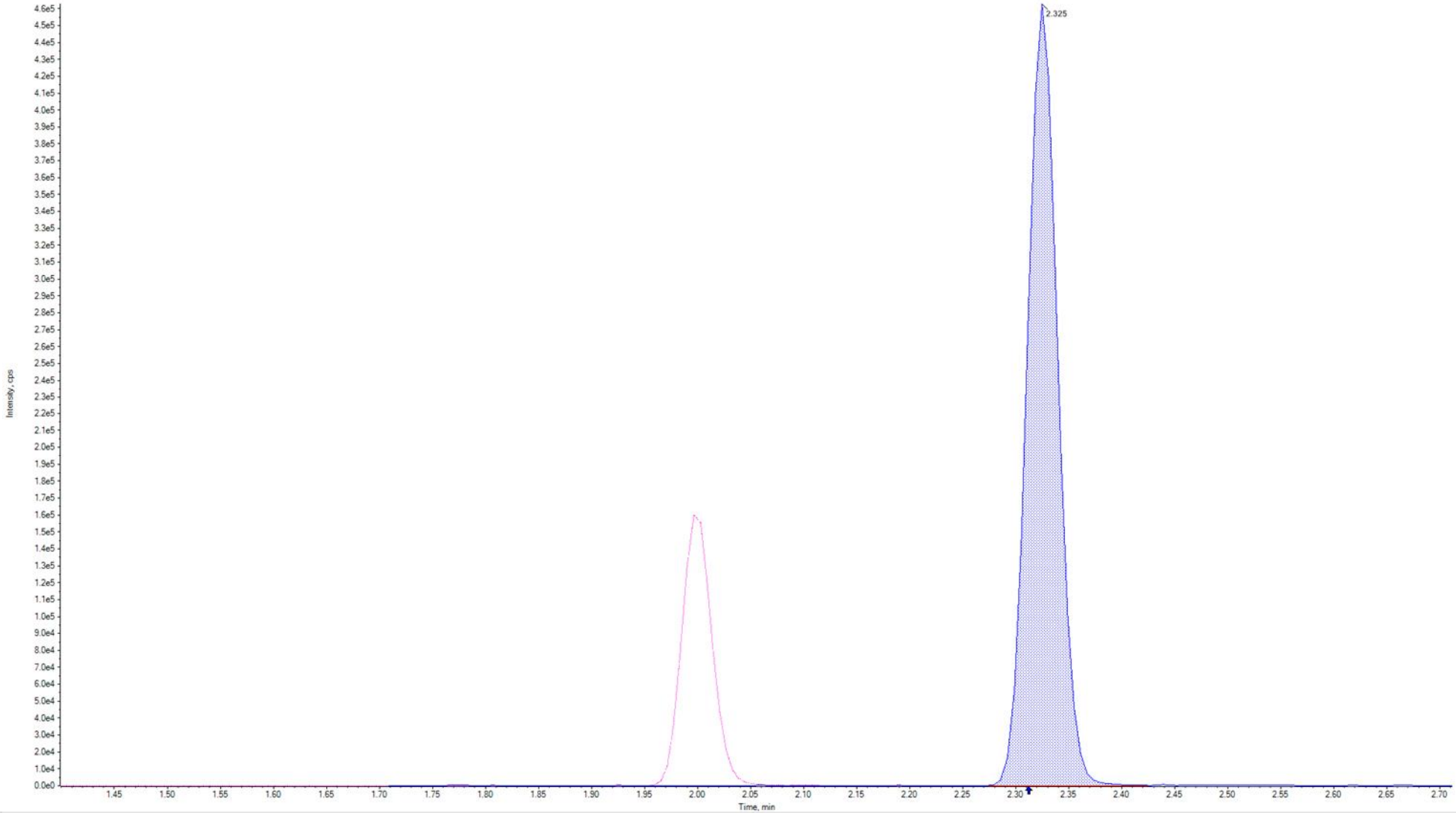
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_16.wiff2_6
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFEESA
Sample: IA1633STD-12.5 S/N:131680.1 Points Across peak:47



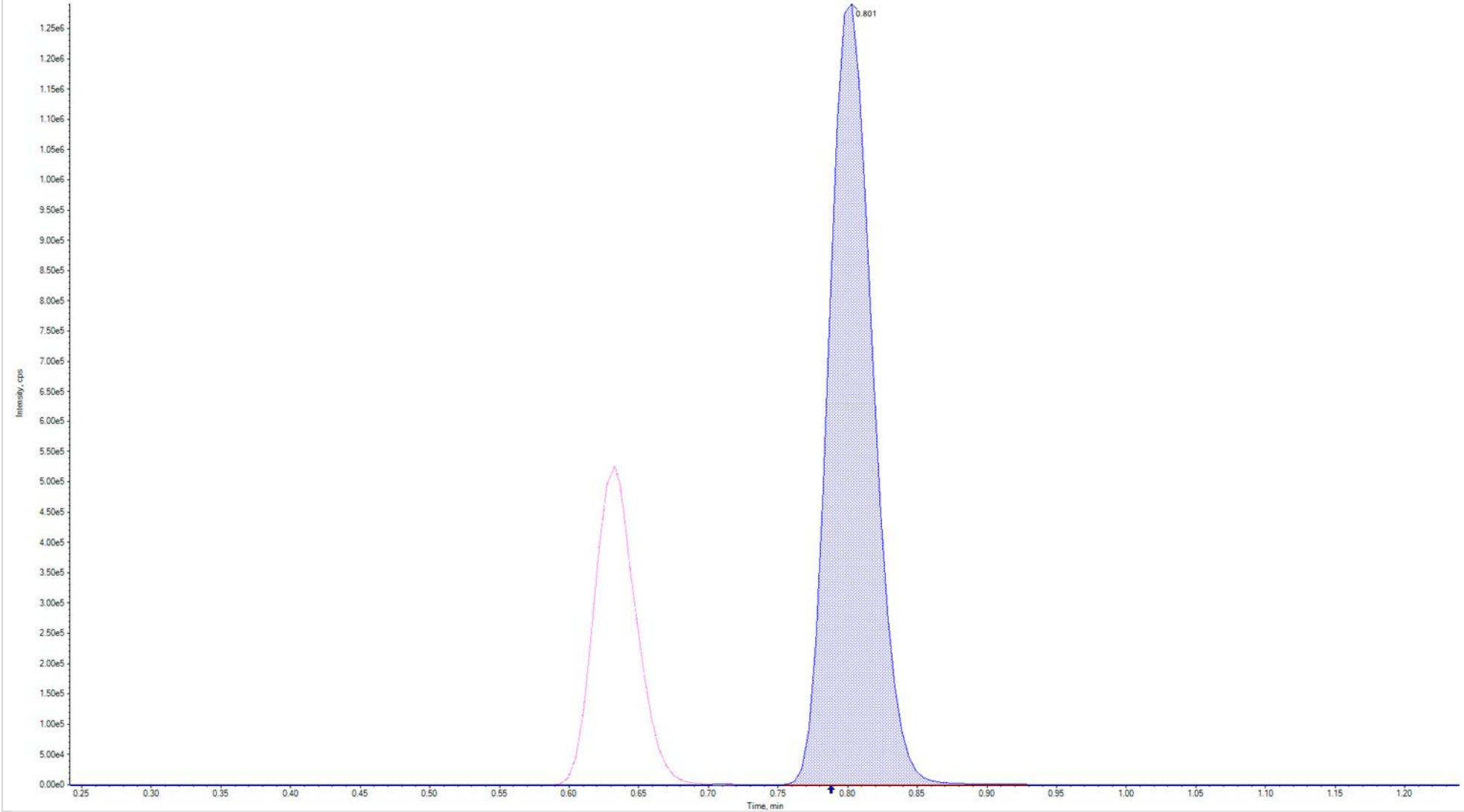
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Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_16.wiff2_6
Last Altered: 12/16/2024 8:11:58 PM
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PFEESA_2
Sample: IA1633STD-12.5 S/N:6716.1 Points Across peak:28



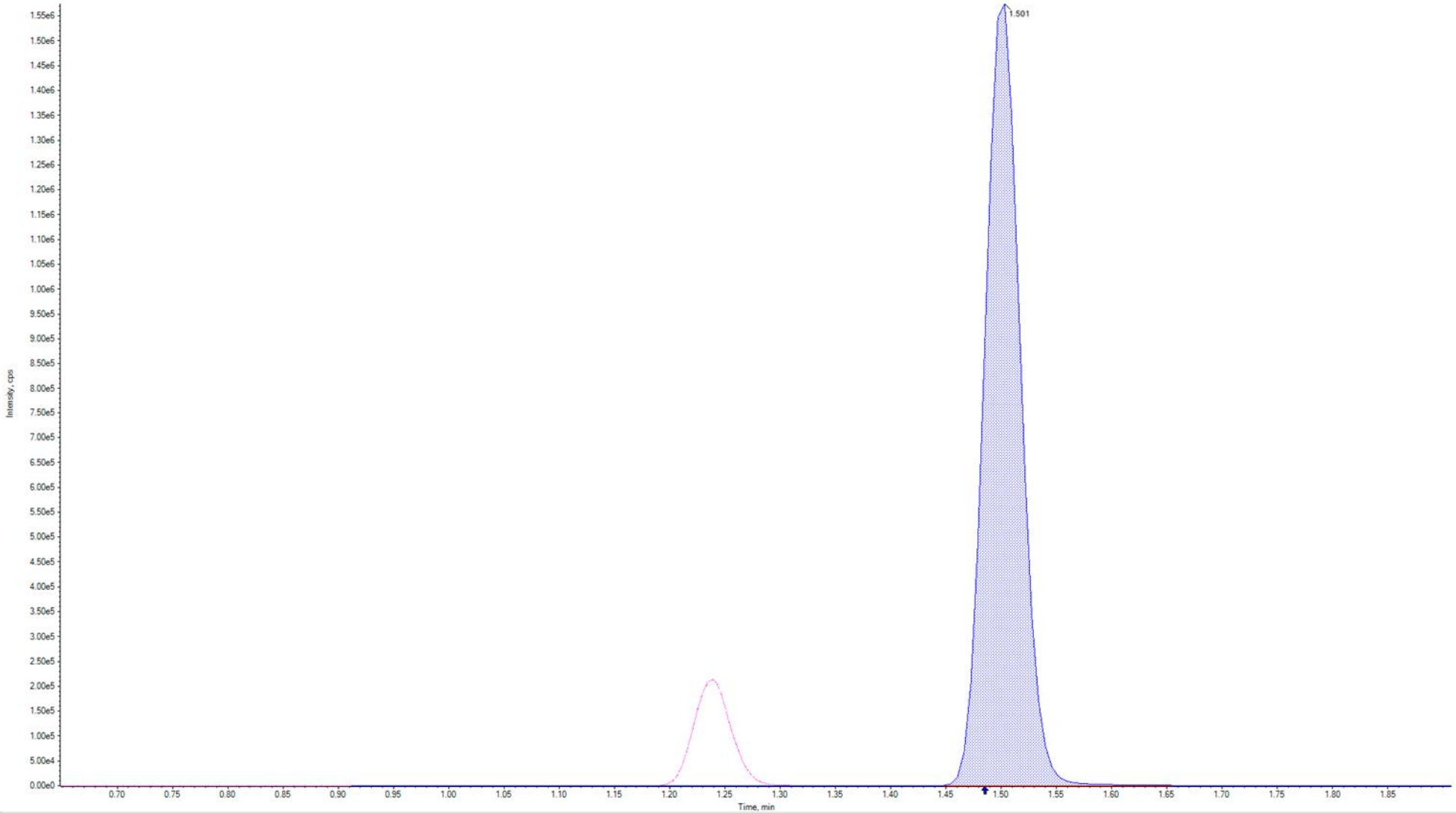
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Alpha Analytical LLC
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PFMPA
Sample: IA1633STD-12.5 S/N:129399.8 Points Across peak:46



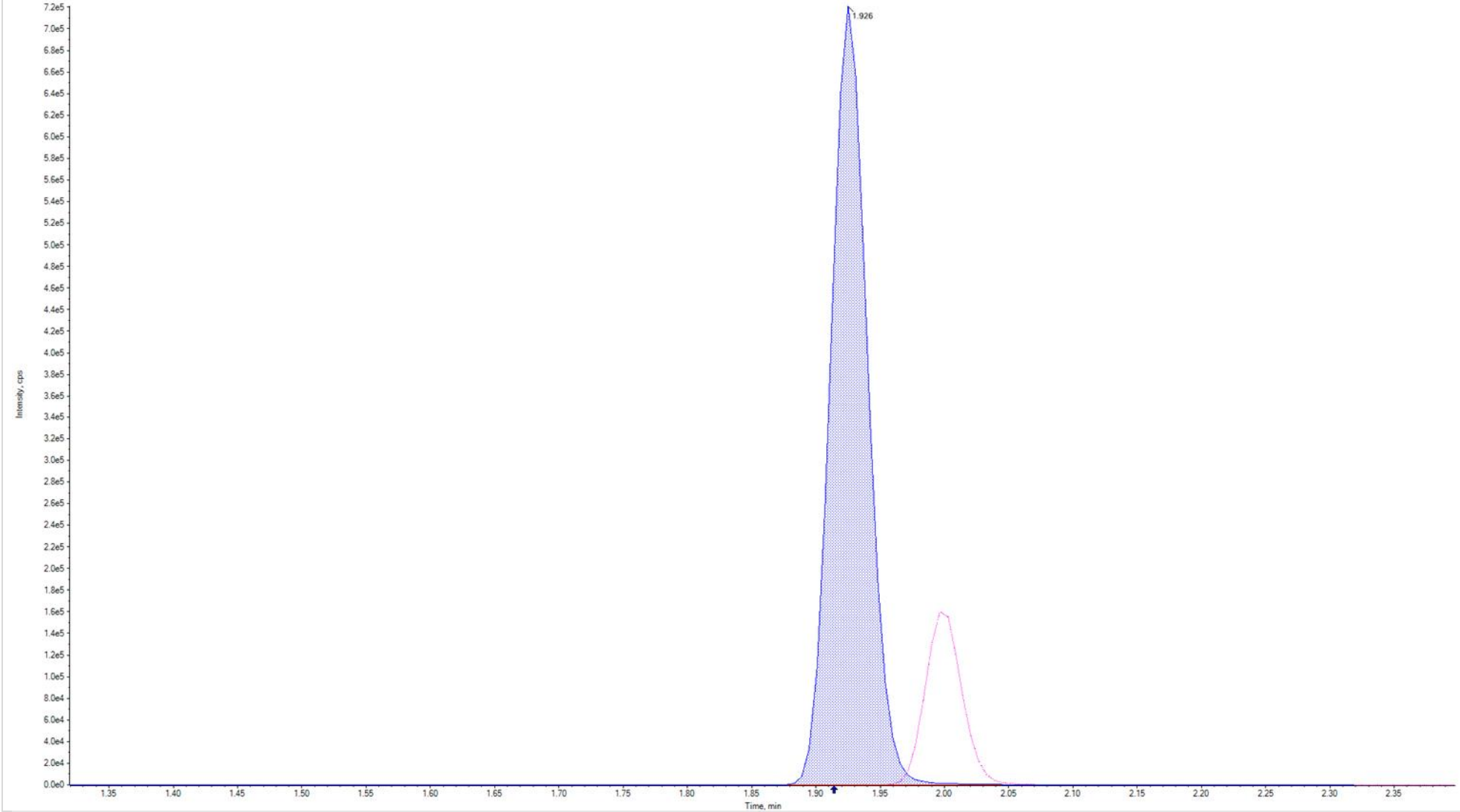
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Alpha Analytical LLC
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PFMBA
Sample: IA1633STD-12.5 S/N:15045.2 Points Across peak:48



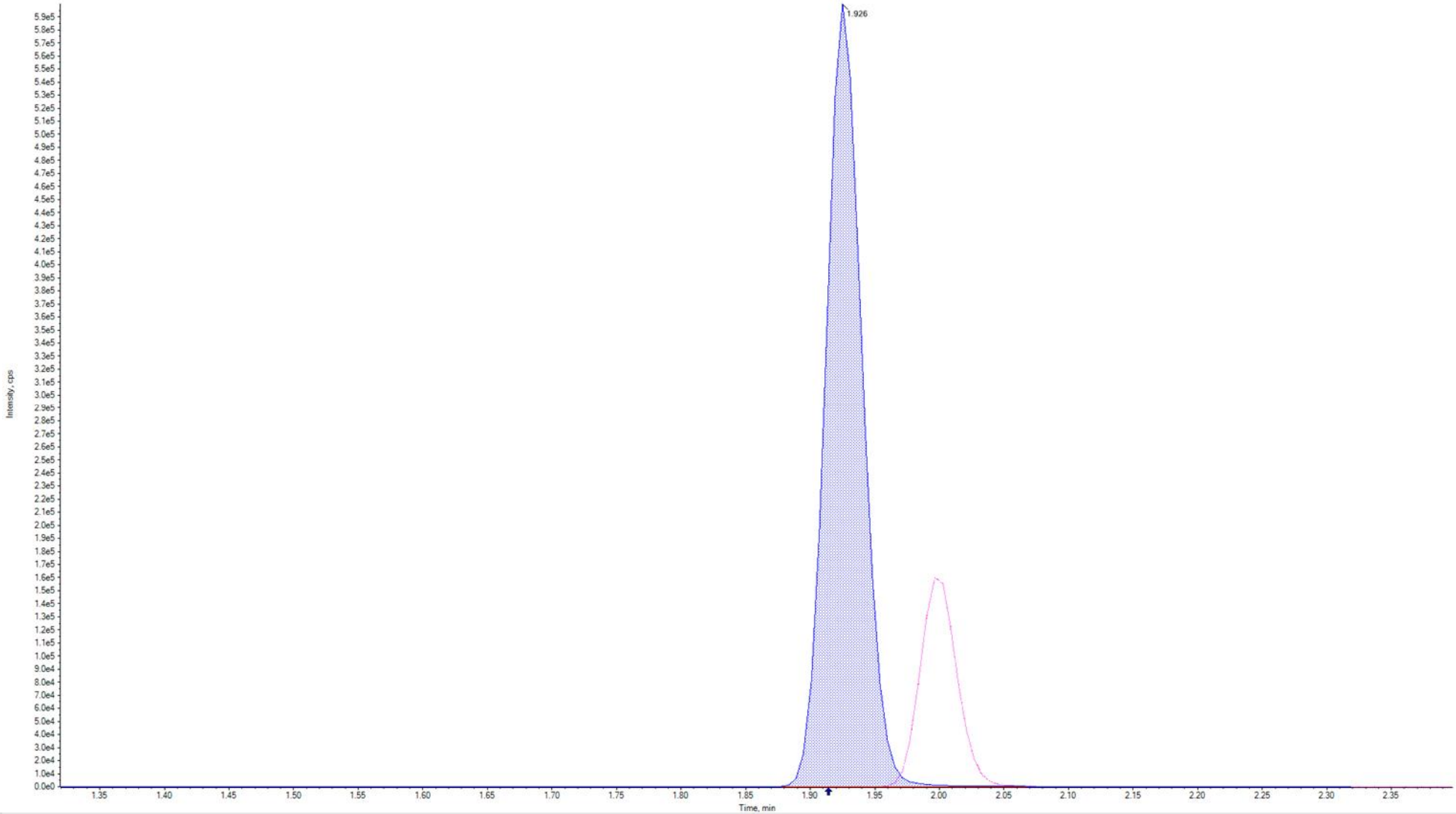
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Alpha Analytical LLC
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NFDHA
Sample: IA1633STD-12.5 S/N:9411.9 Points Across peak:35



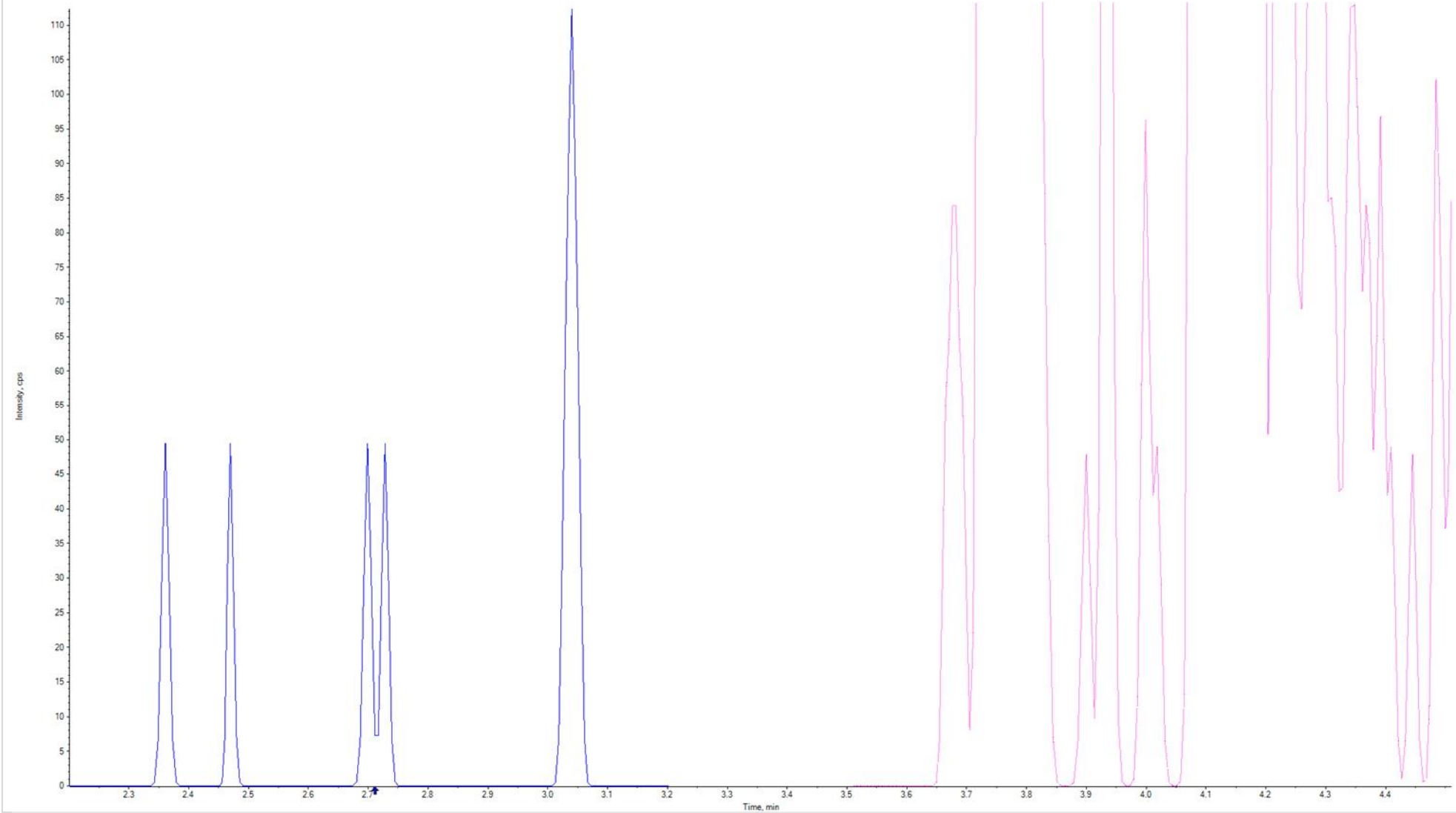
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Alpha Analytical LLC
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NFDHA_2
Sample: IA1633STD-12.5 S/N:5766.3 Points Across peak:40



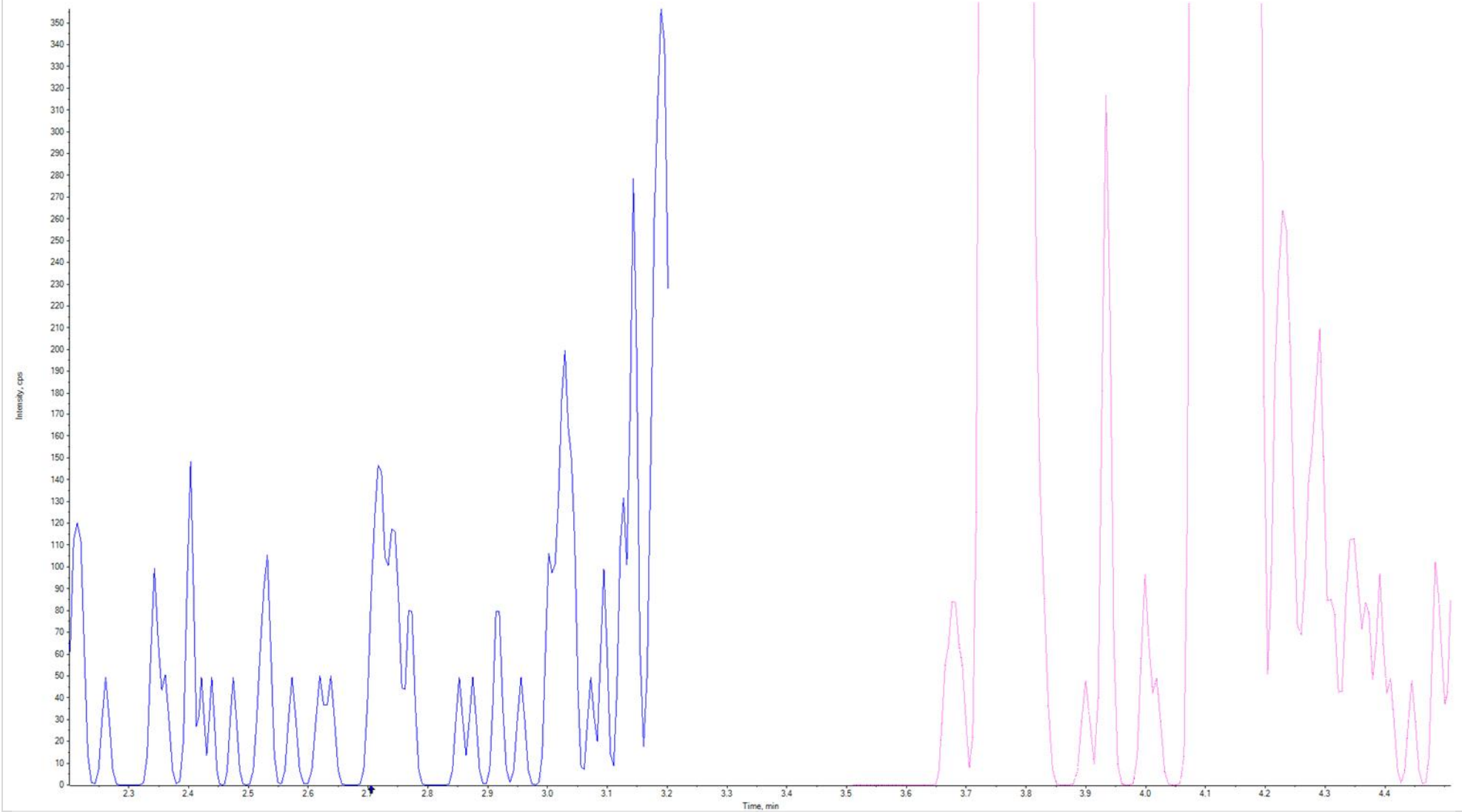
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Alpha Analytical LLC
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TDCA
Sample: IA1633STD-12.5 S/N:N/A Points Across peak:N/A



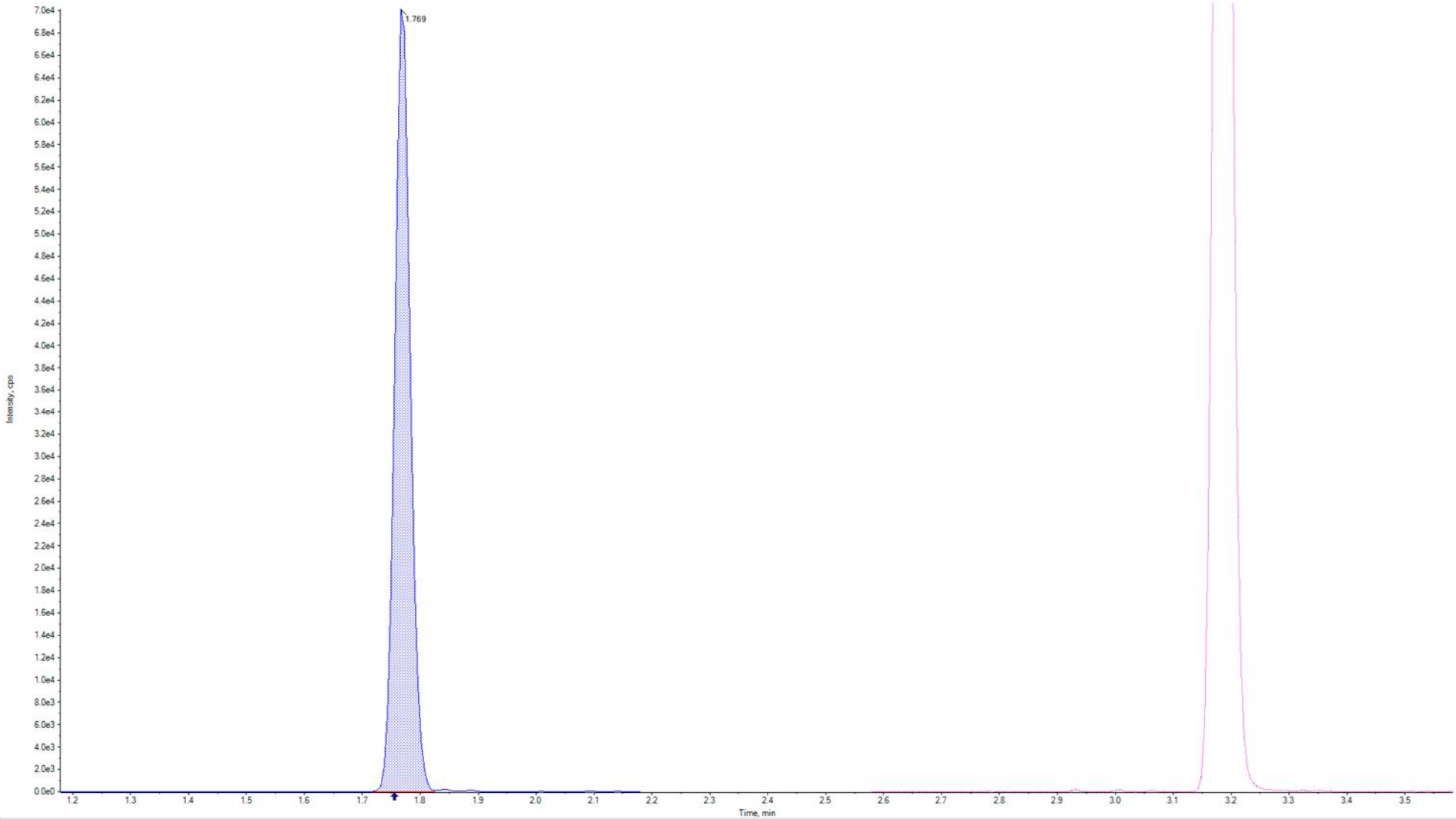
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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TDCA_2
Sample: IA1633STD-12.5 S/N:N/A Points Across peak:N/A



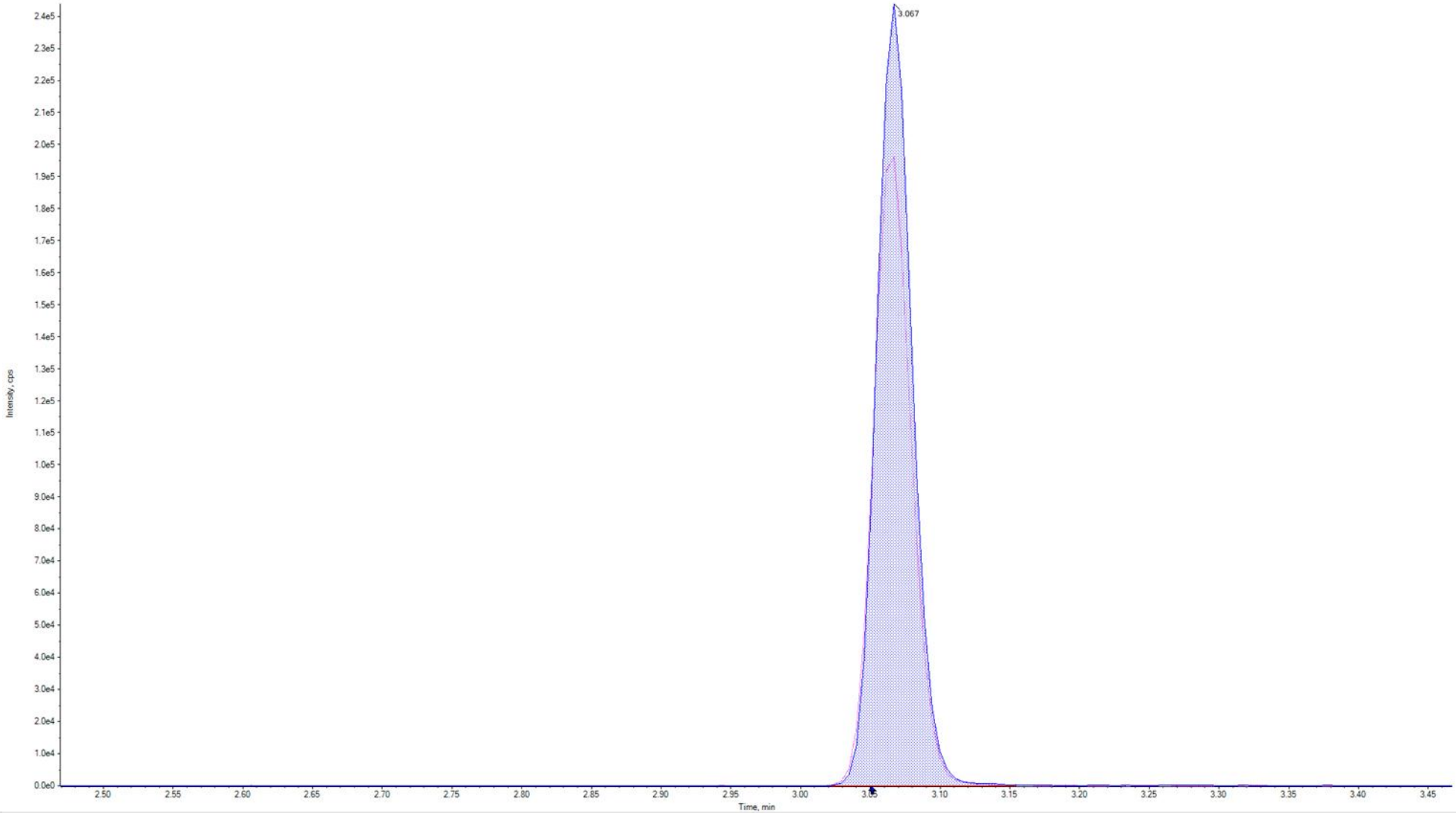
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Alpha Analytical LLC
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13C2D4-4:2FTS
Sample: IA1633STD-12.5 S/N:2637.5 Points Across peak:26

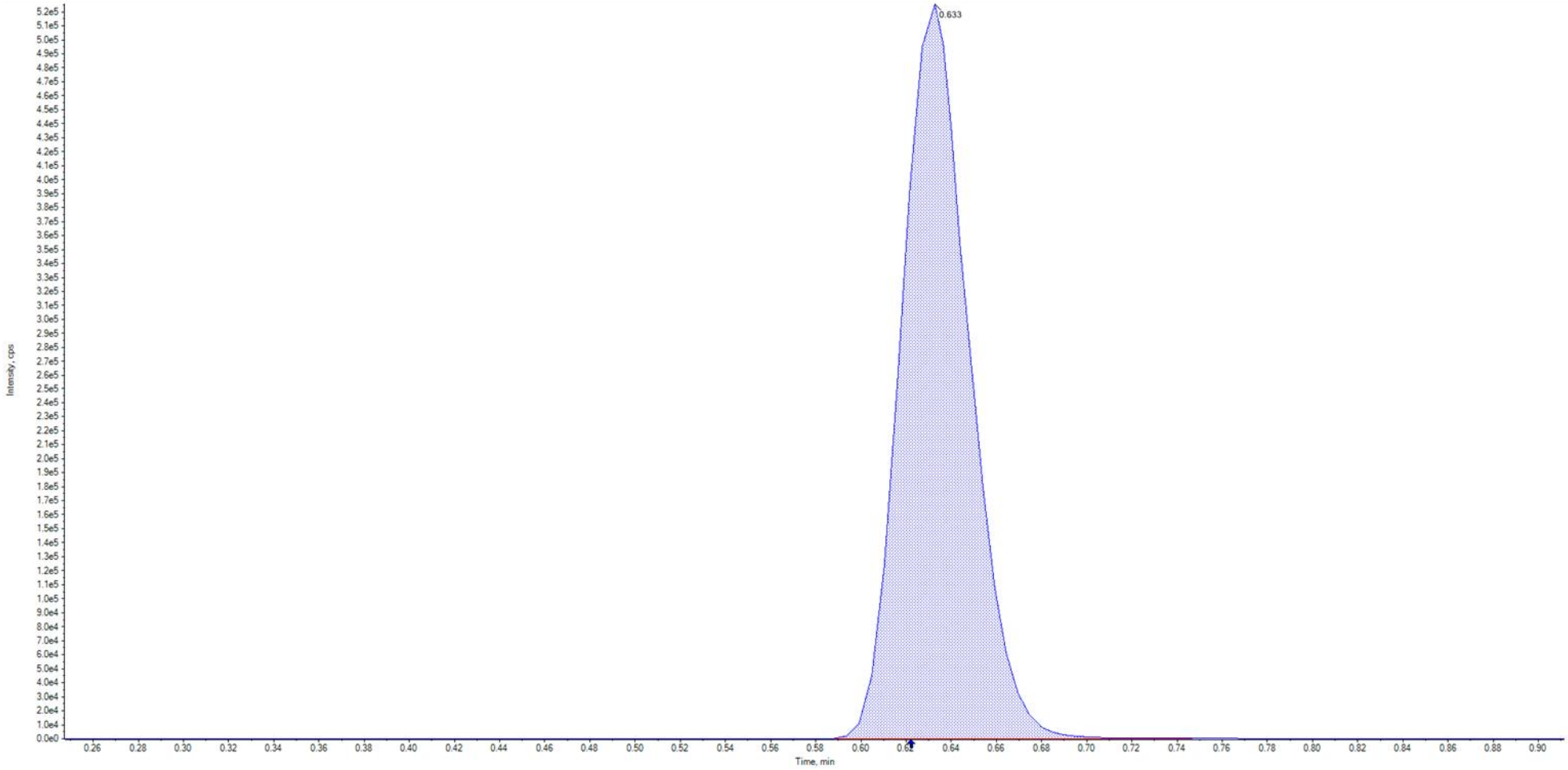


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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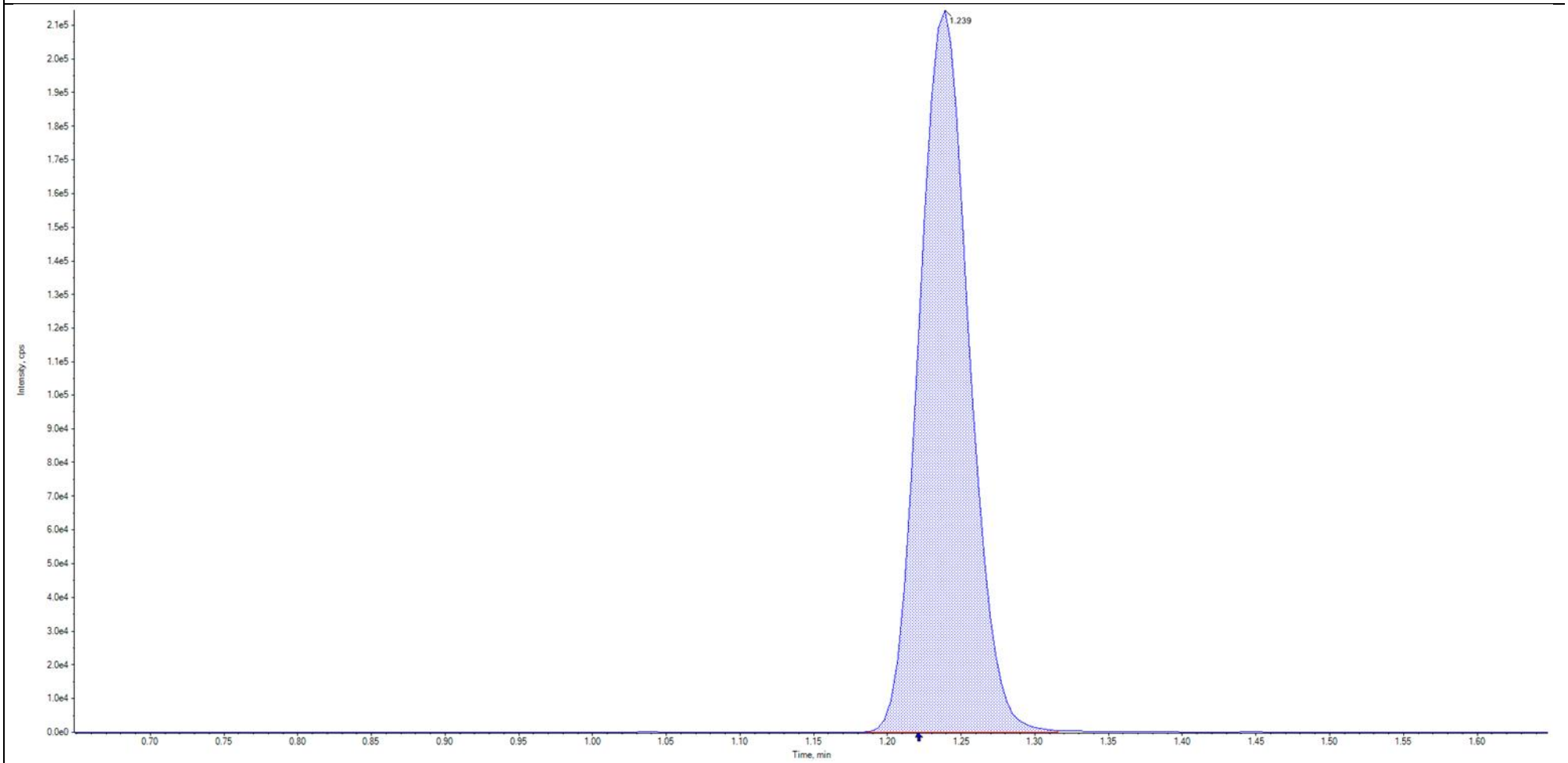
13C2-PFOA
Sample: IA1633STD-12.5 S/N:3848.2 Points Across peak:33



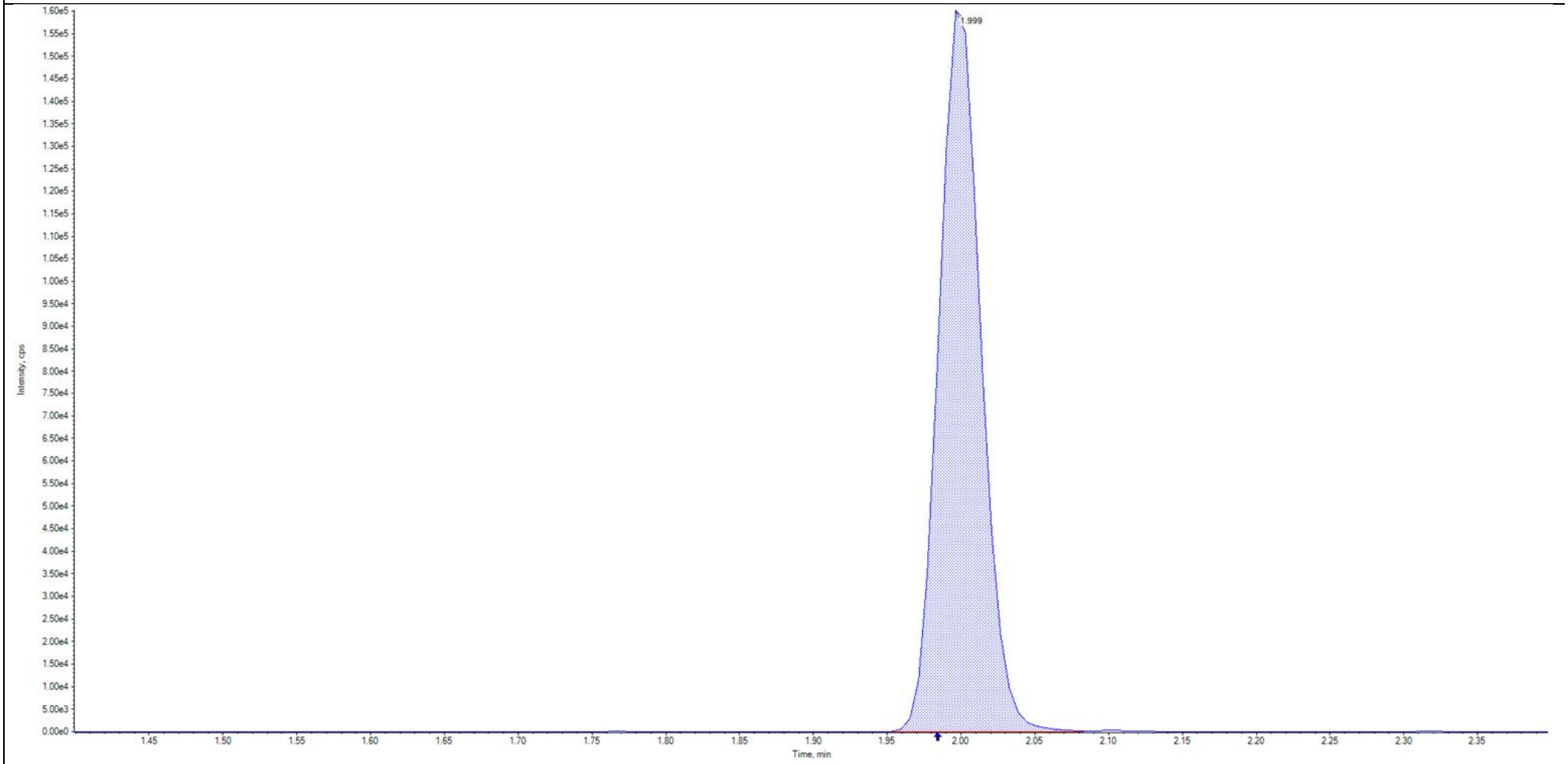
13C4-PFBA
Sample: IA1633STD-12.5



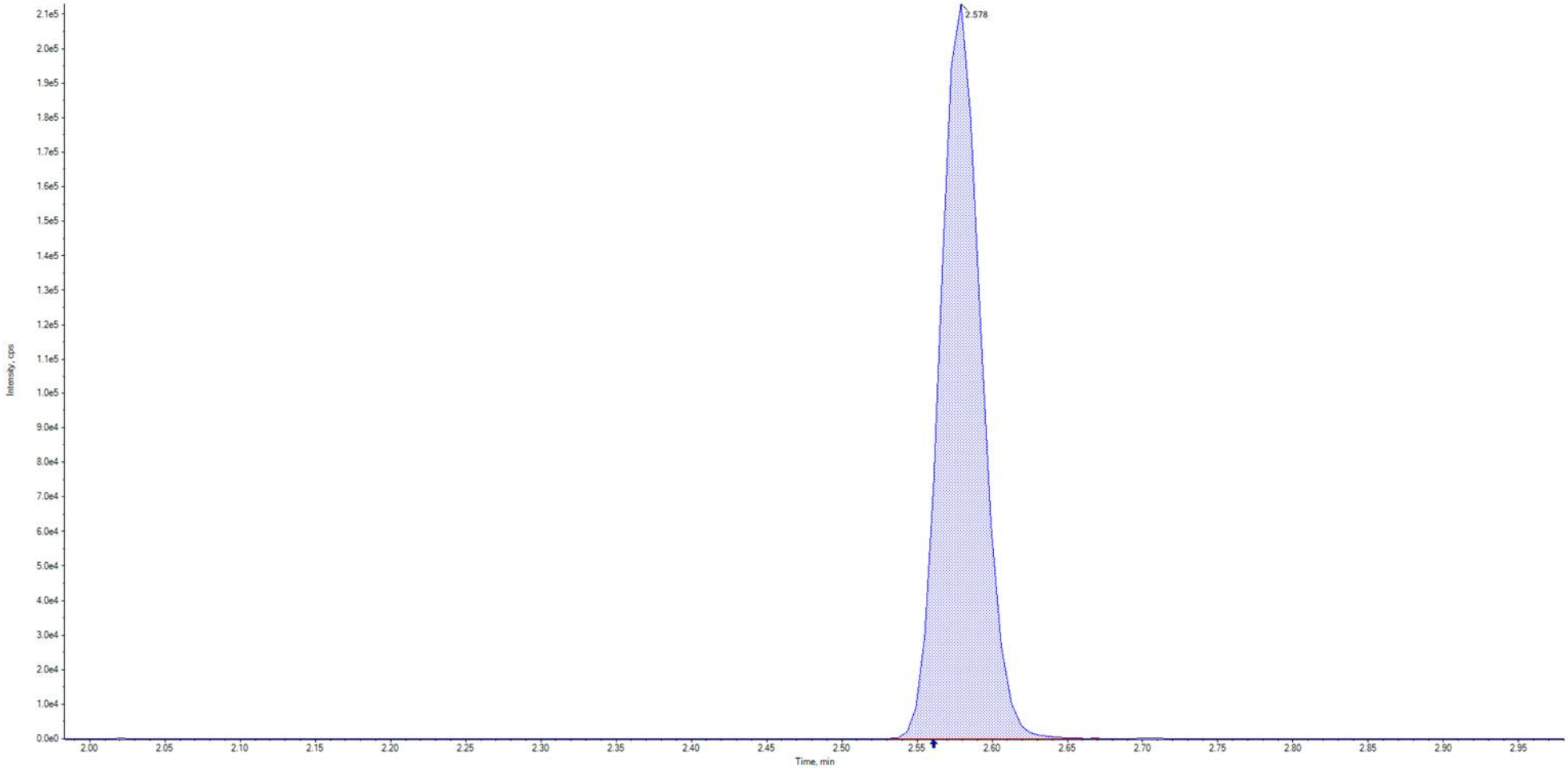
13C5-PFPeA
Sample: IA1633STD-12.5



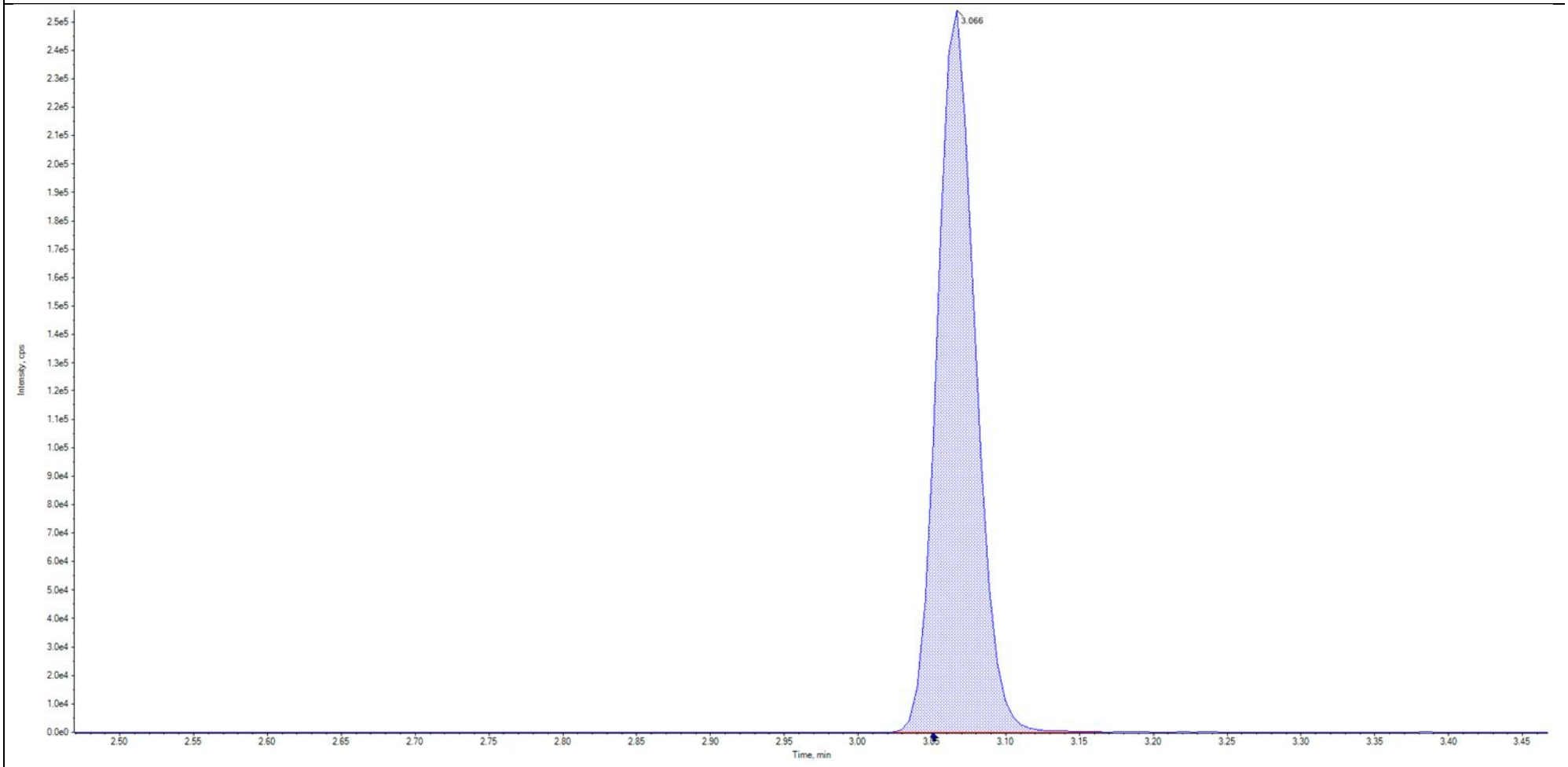
13C5-PFHxA
Sample: IA1633STD-12.5



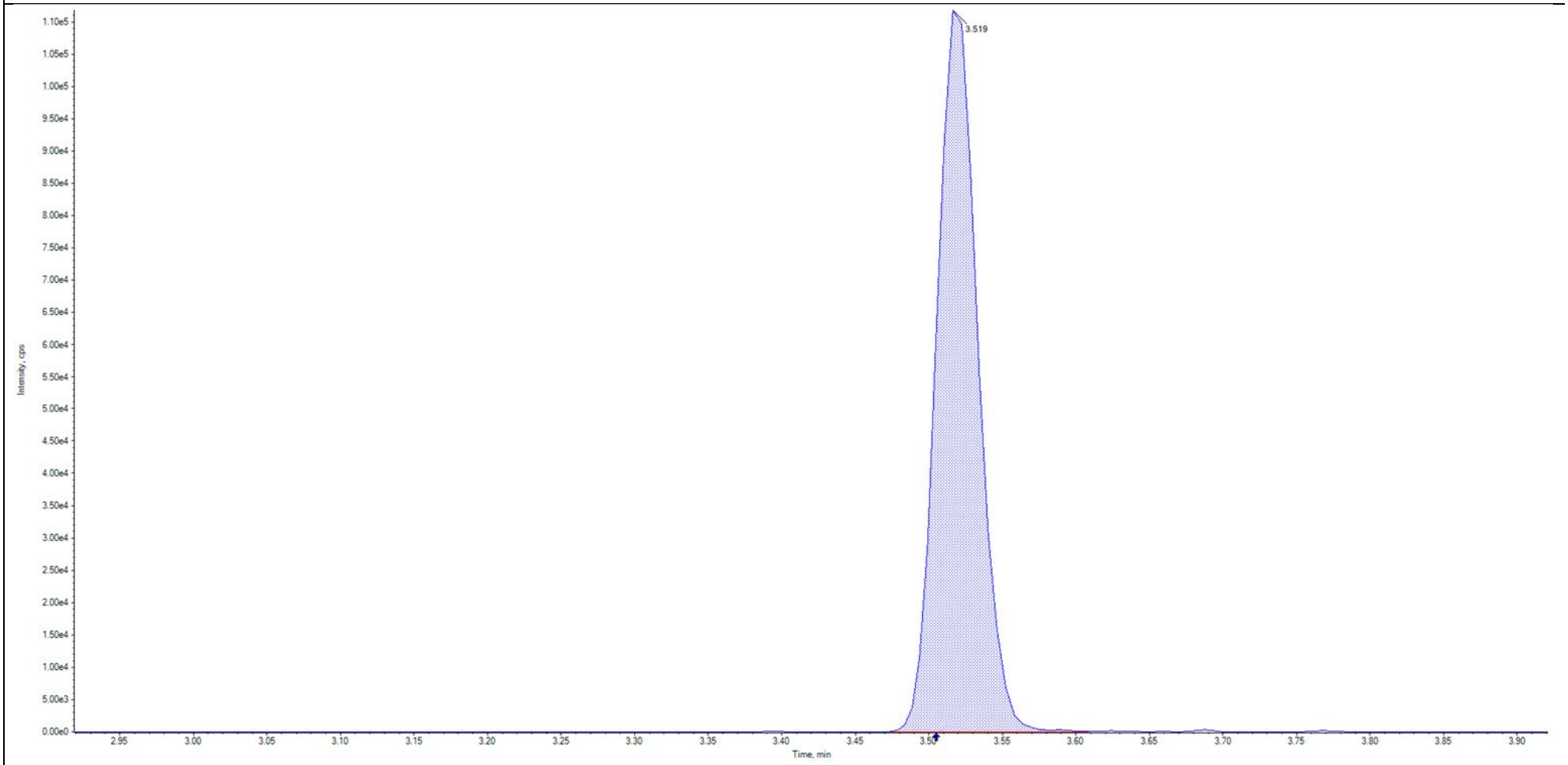
13C4-PFHpA
Sample: IA1633STD-12.5



13C8-PFOA
Sample: IA1633STD-12.5

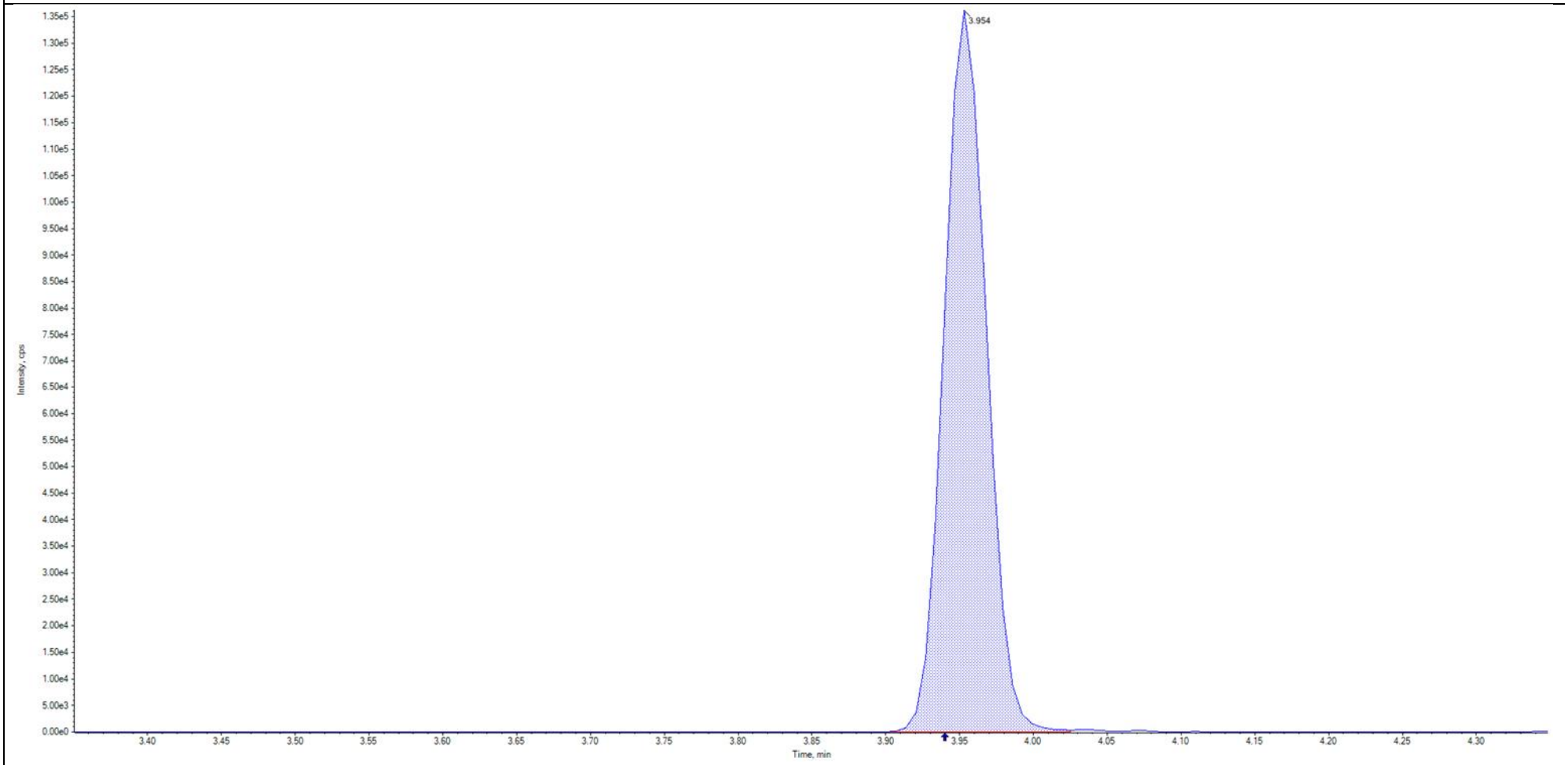


13C9-PFNA
Sample: IA1633STD-12.5

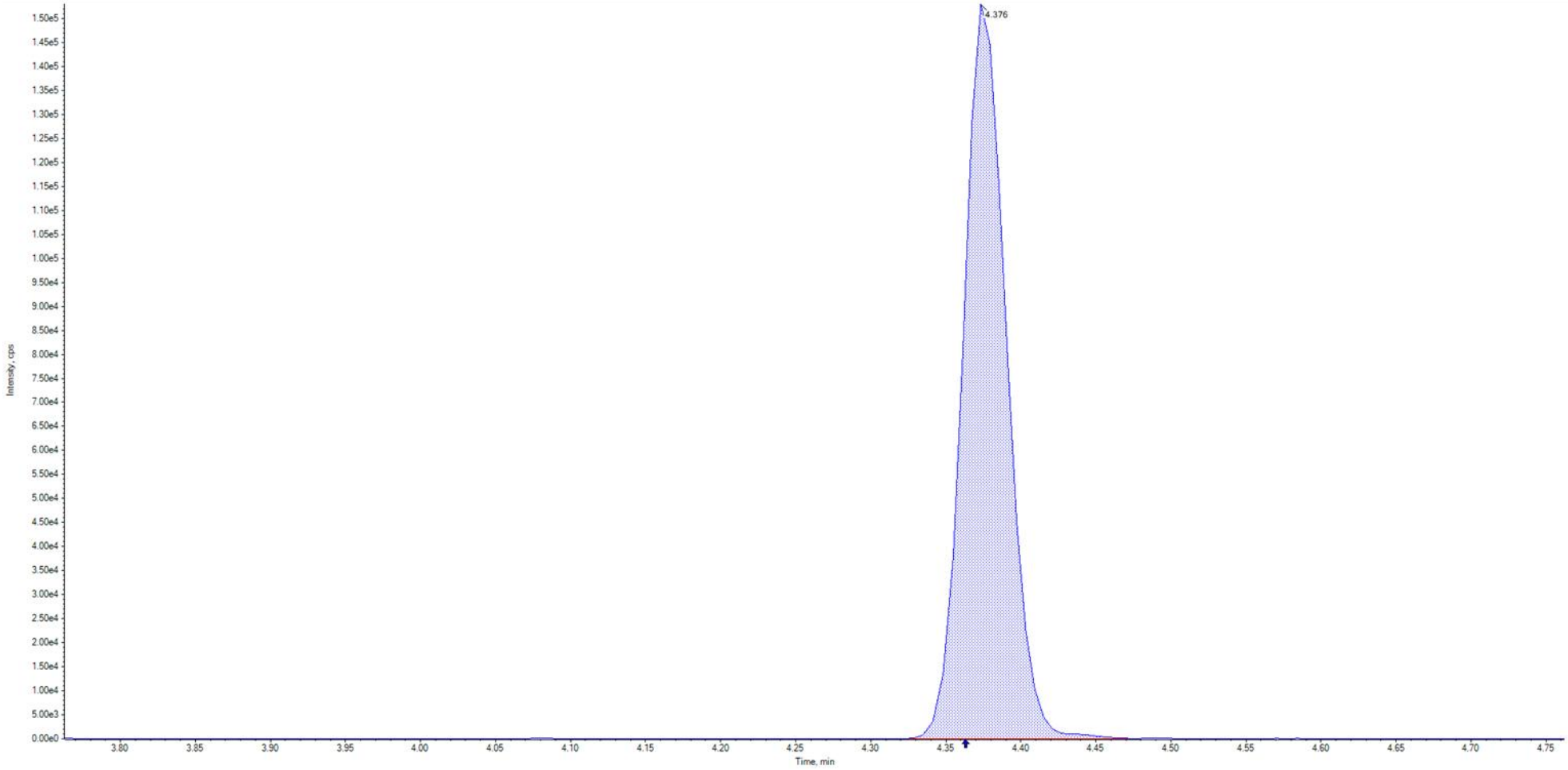


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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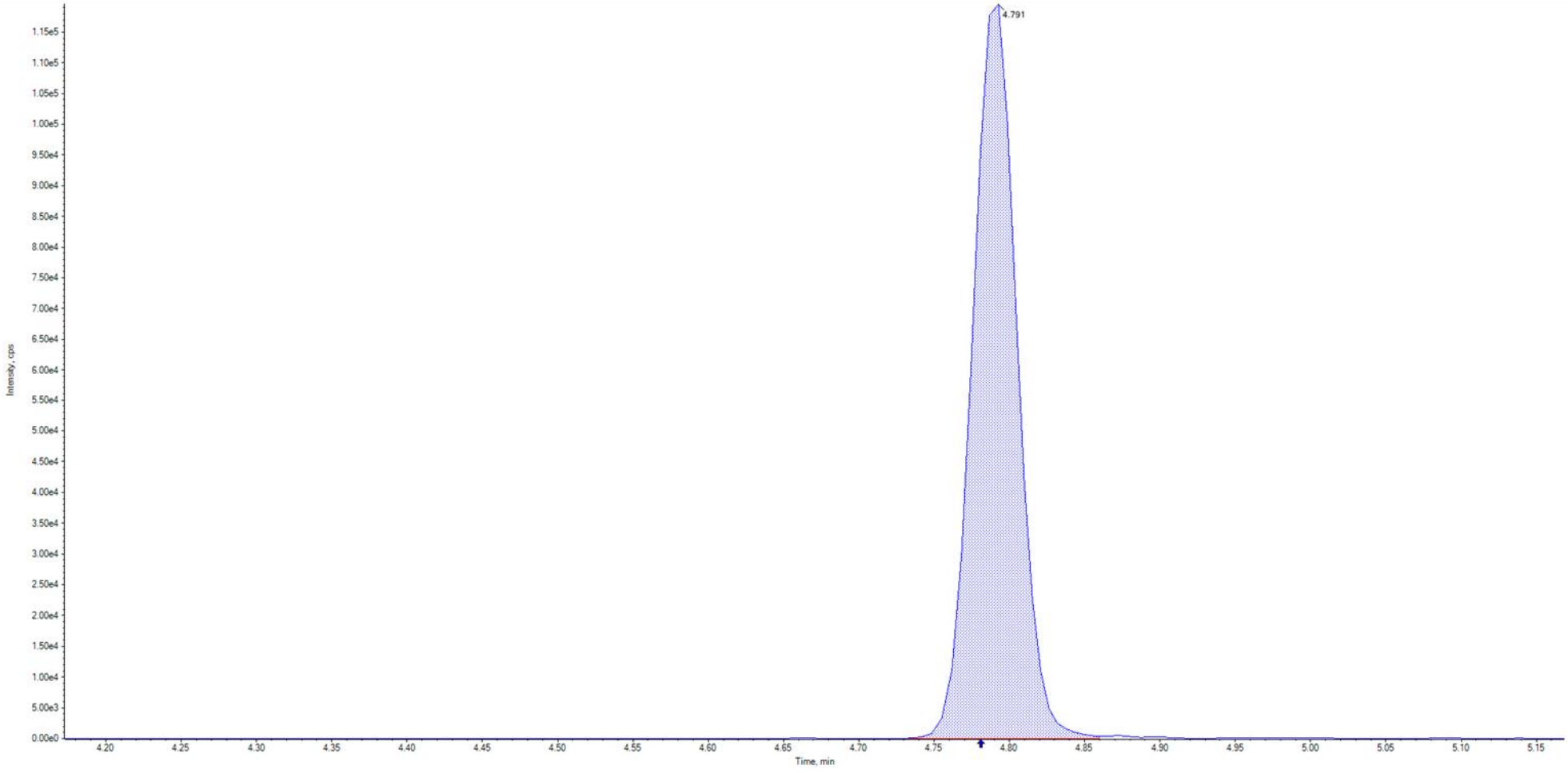
13C6-PFDA
Sample: IA1633STD-12.5



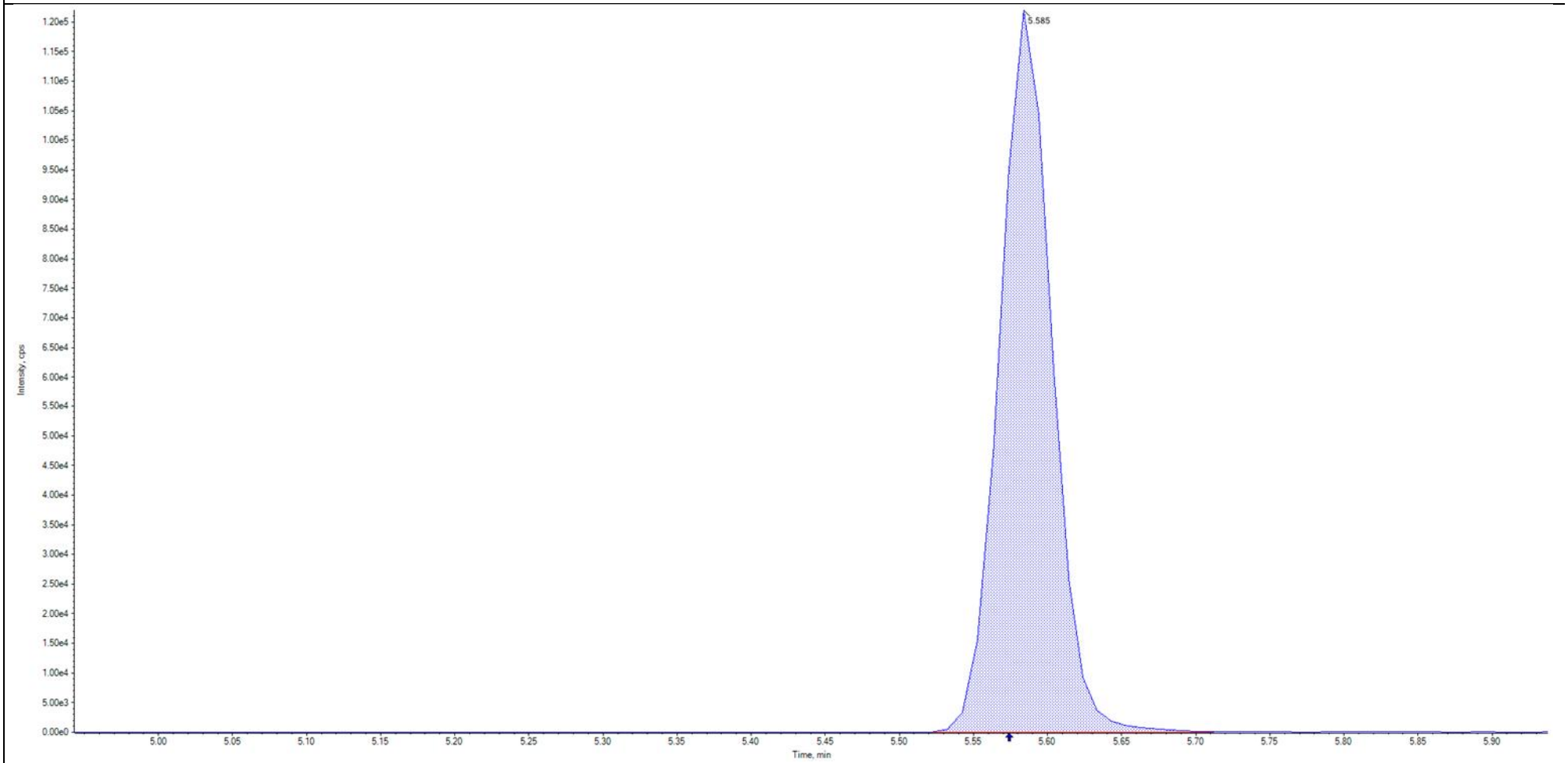
13C7-PFUnA
Sample: IA1633STD-12.5



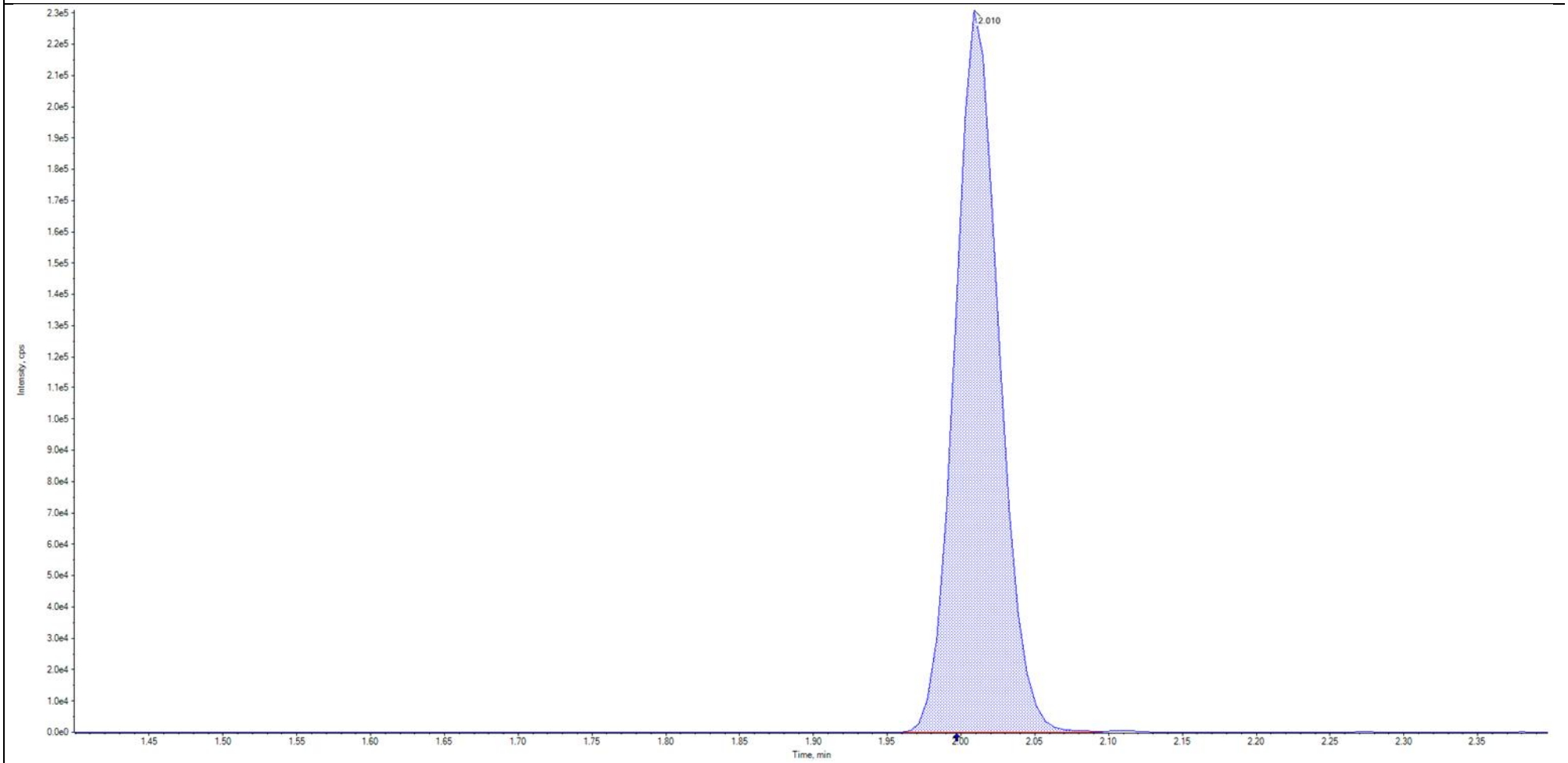
13C2-PFDoA
Sample: IA1633STD-12.5



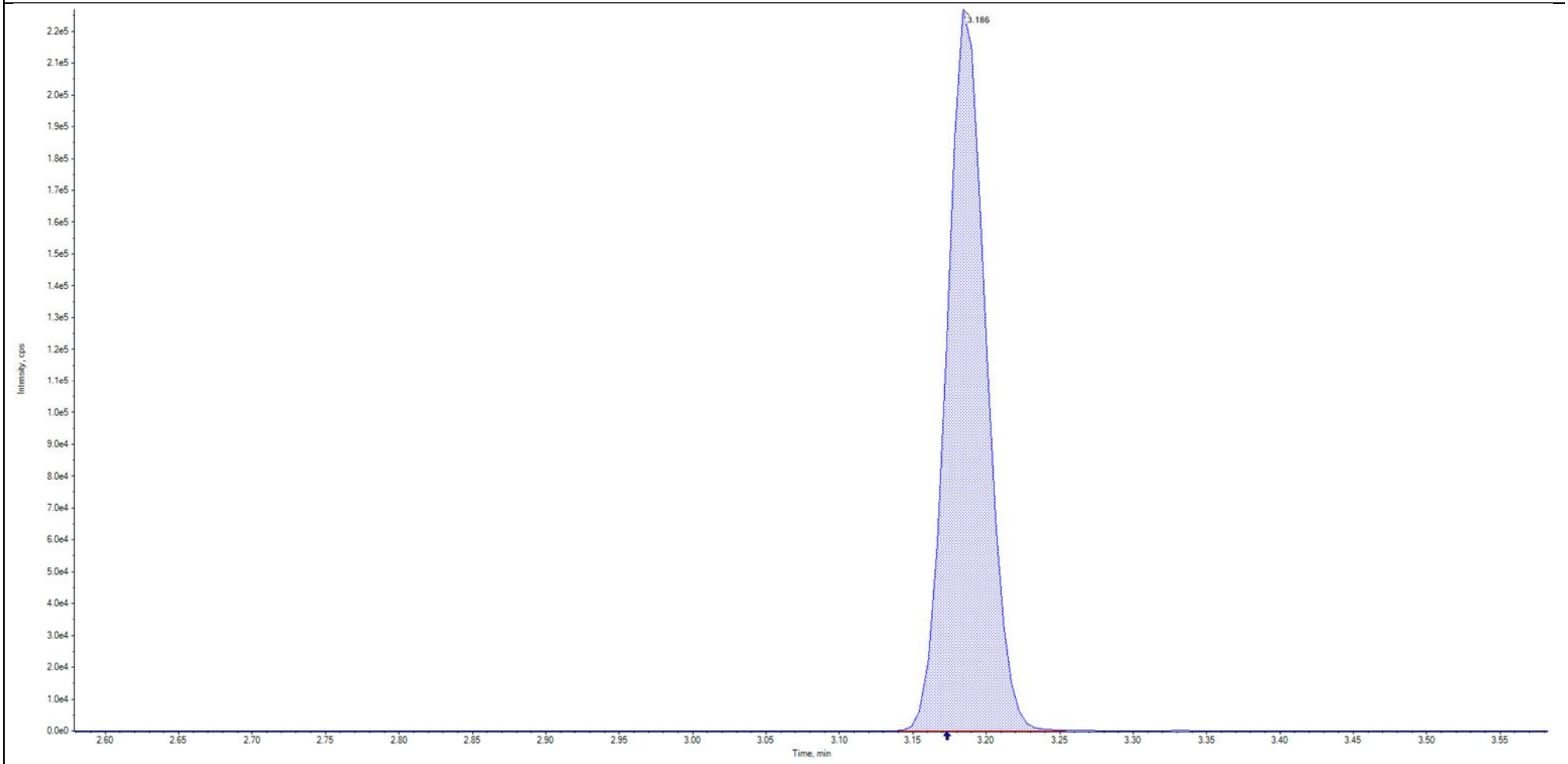
13C2-PFTeDA
Sample: IA1633STD-12.5



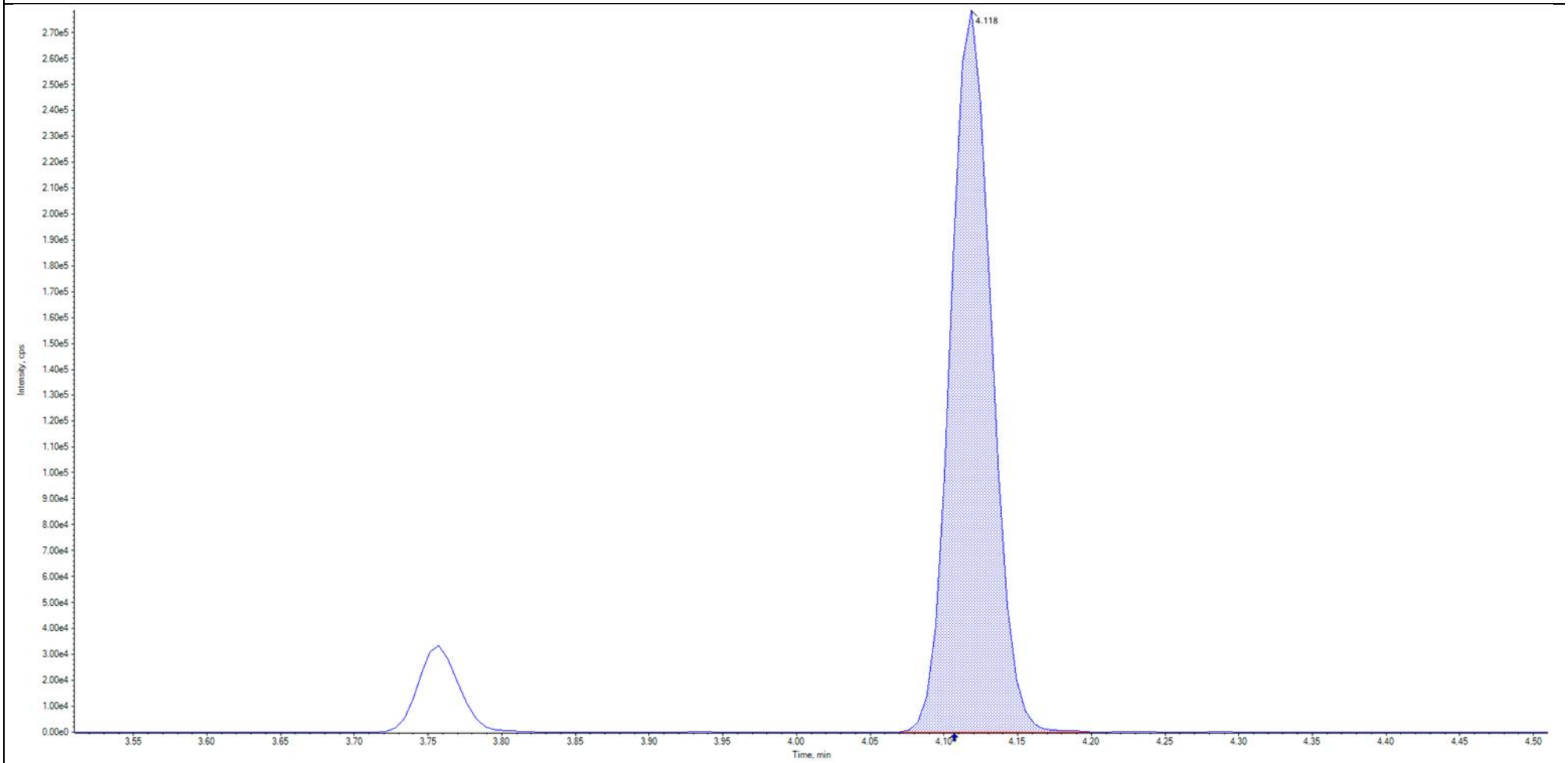
13C3-PFBS
Sample: IA1633STD-12.5



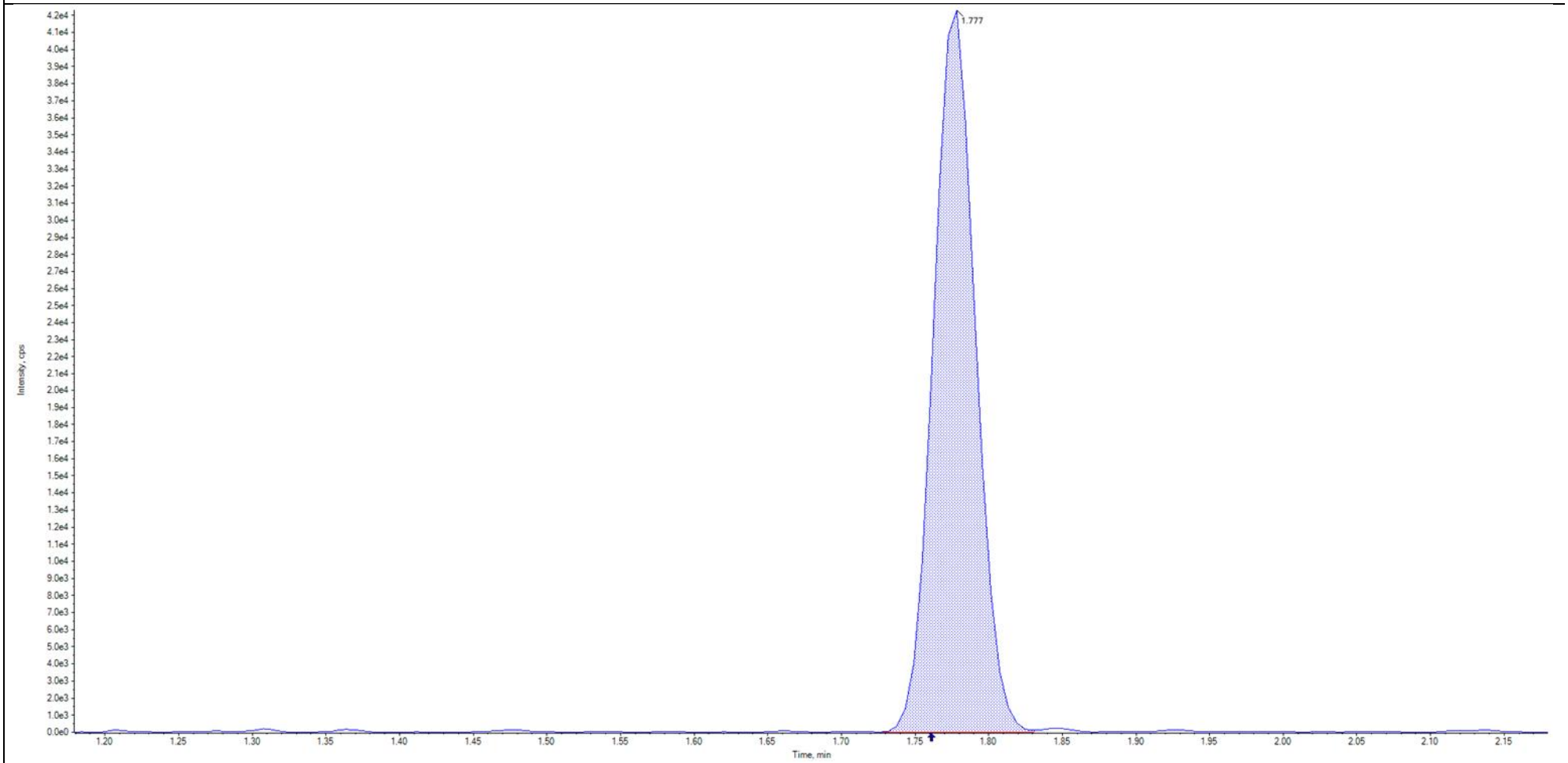
13C3-PFHxS
Sample: IA1633STD-12.5



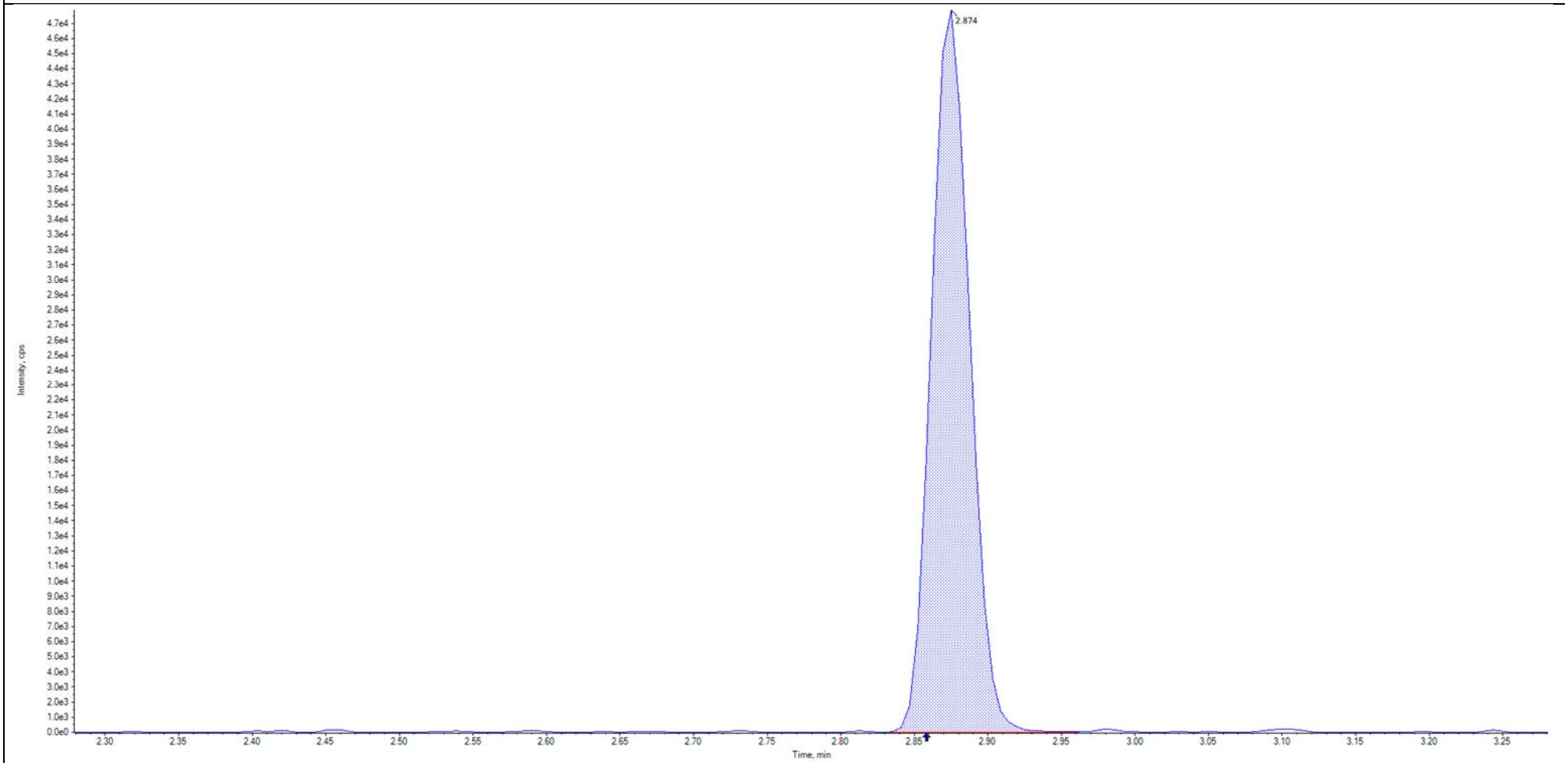
13C8-PFOS
Sample: IA1633STD-12.5



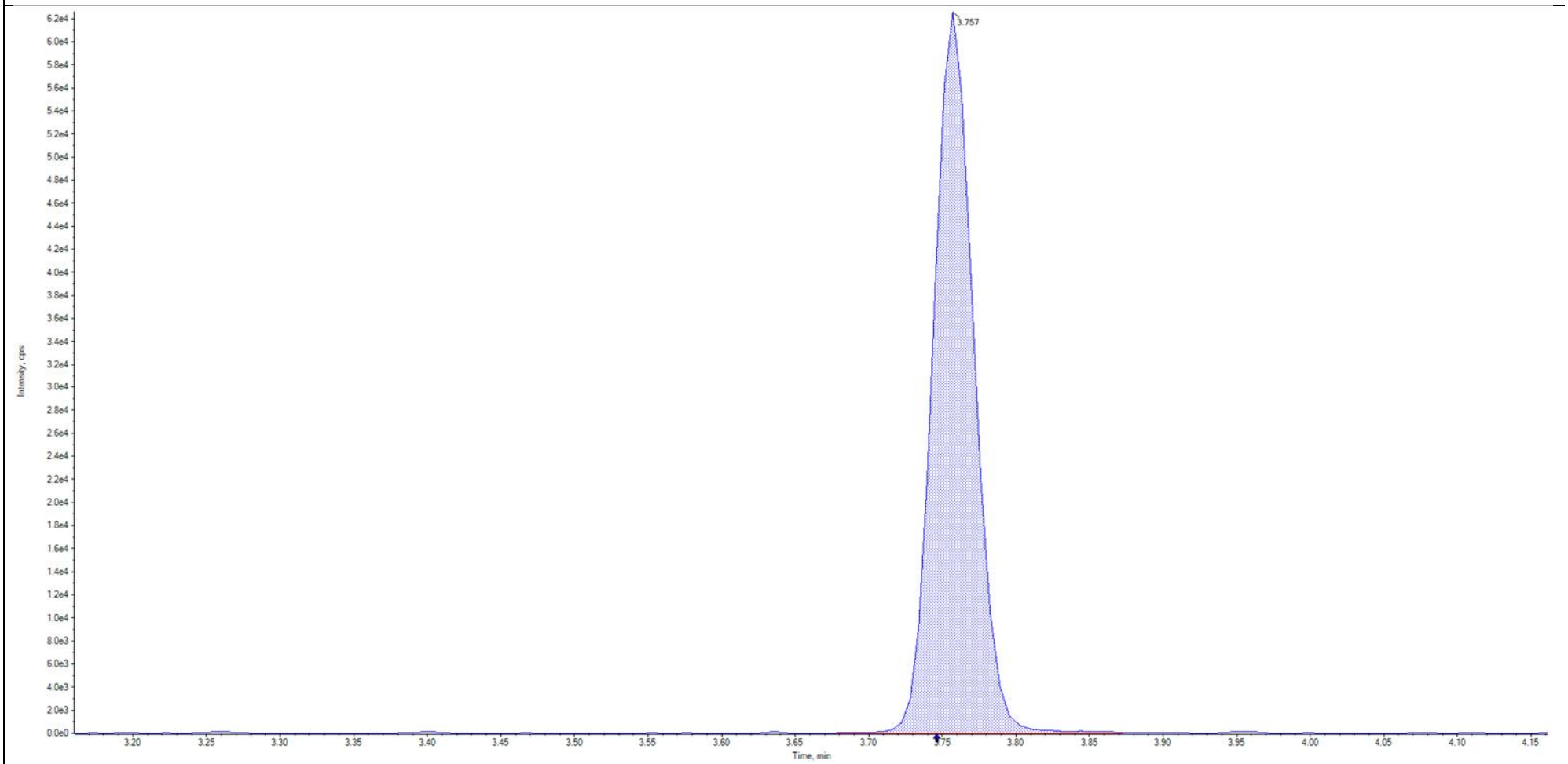
13C2-4:2FTS
Sample: IA1633STD-12.5



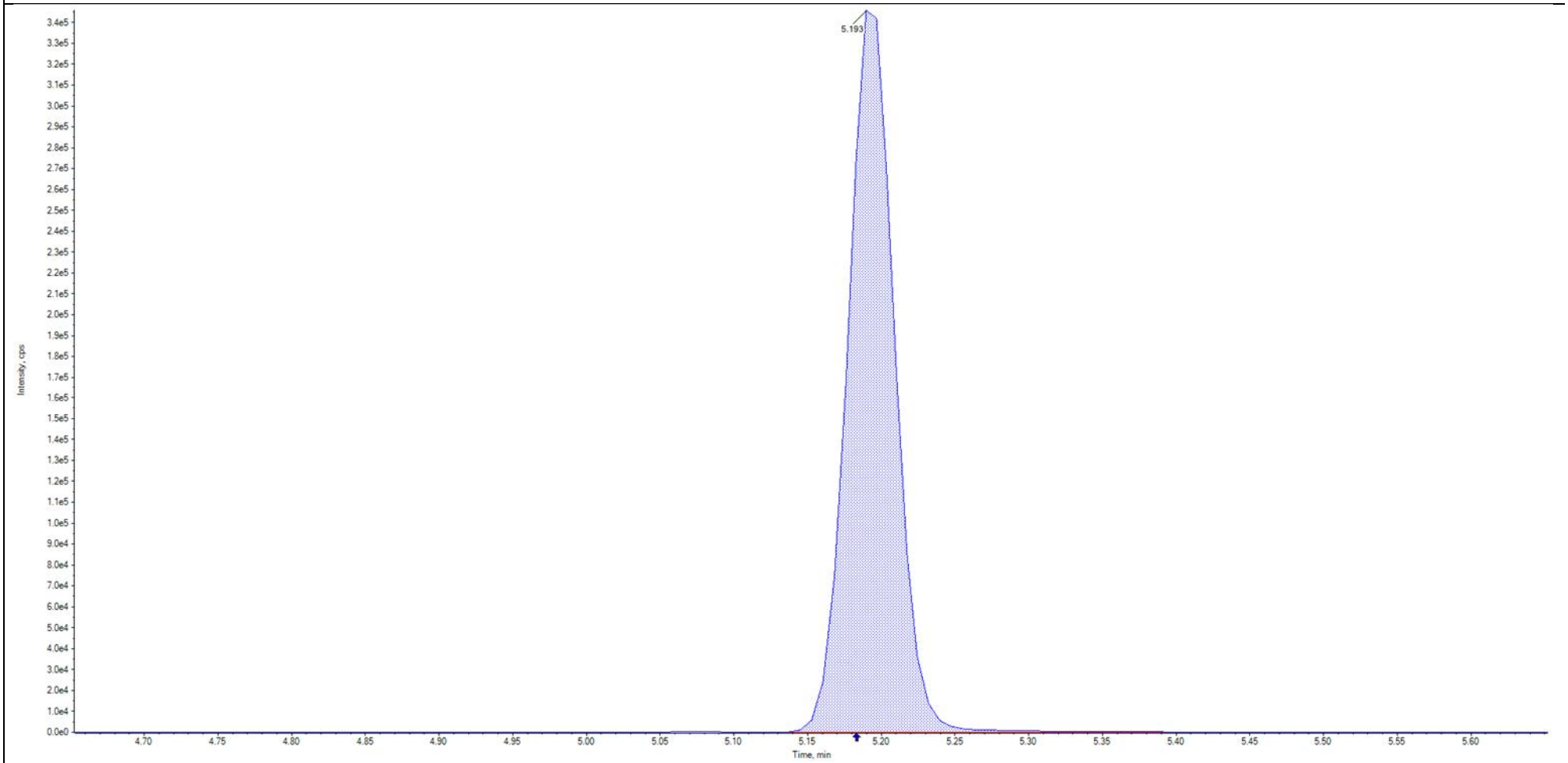
13C2-6:2FTS
Sample: IA1633STD-12.5



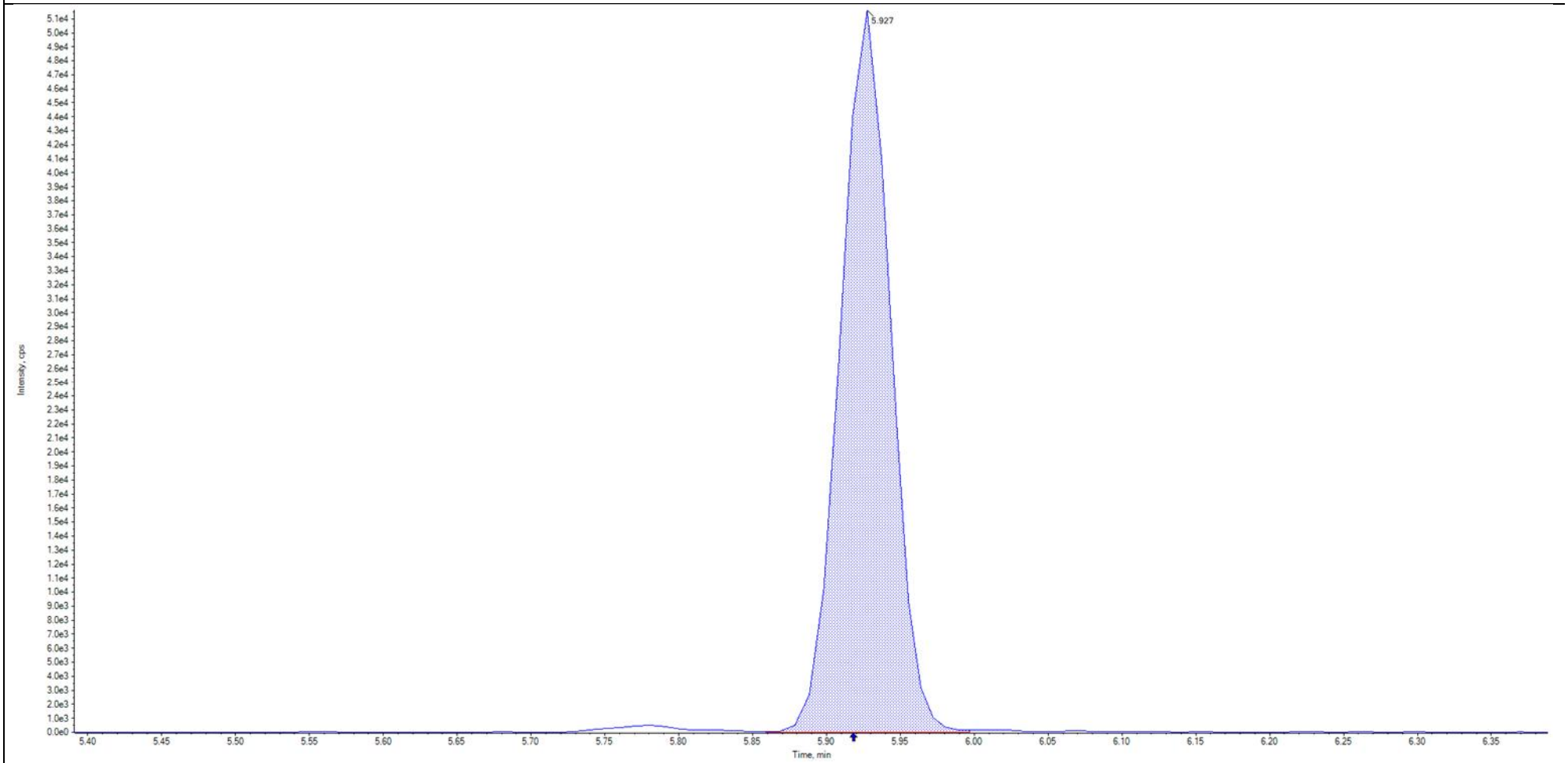
13C2-8:2FTS
Sample: IA1633STD-12.5



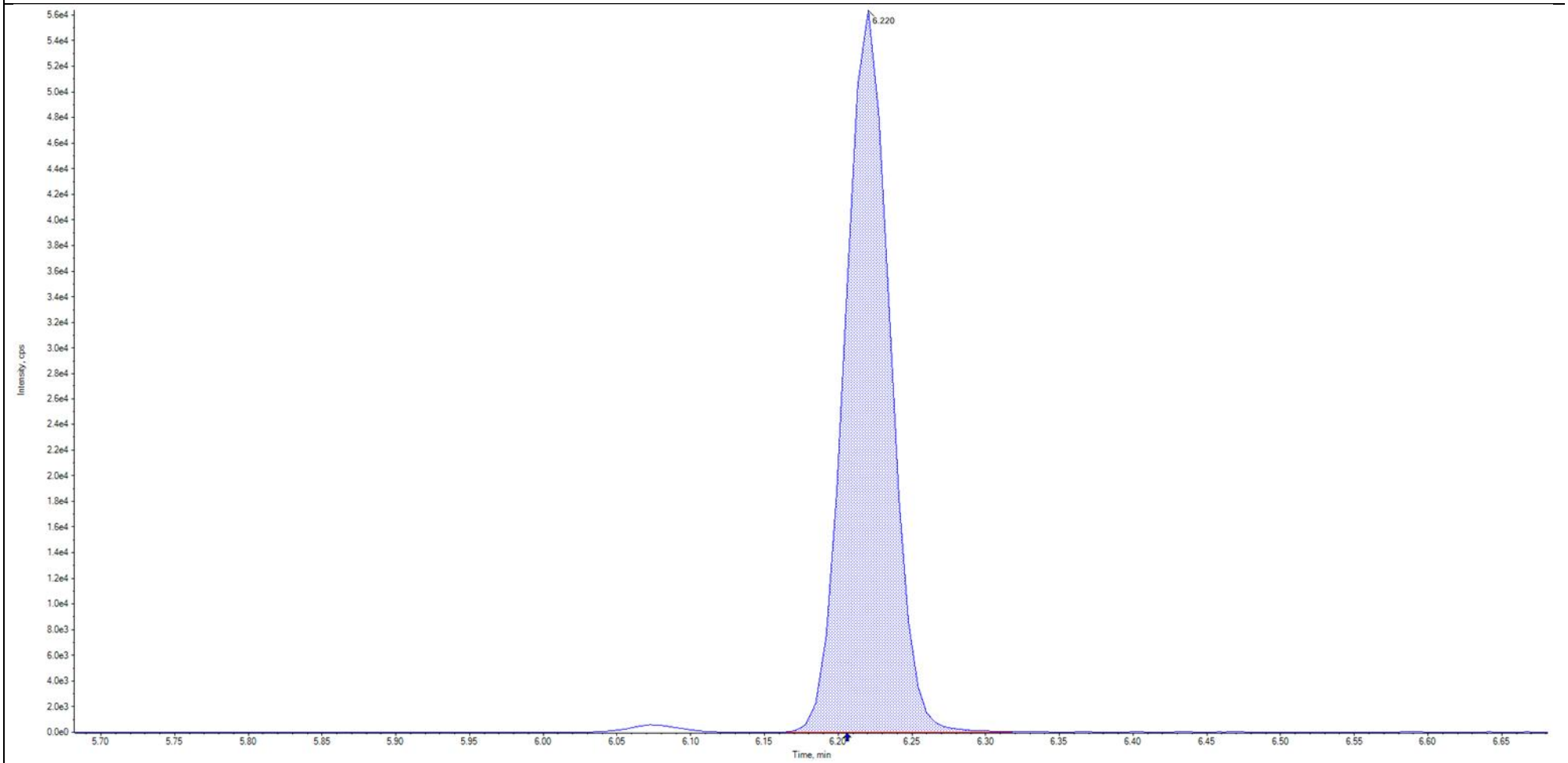
13C8-PFOSA
Sample: IA1633STD-12.5



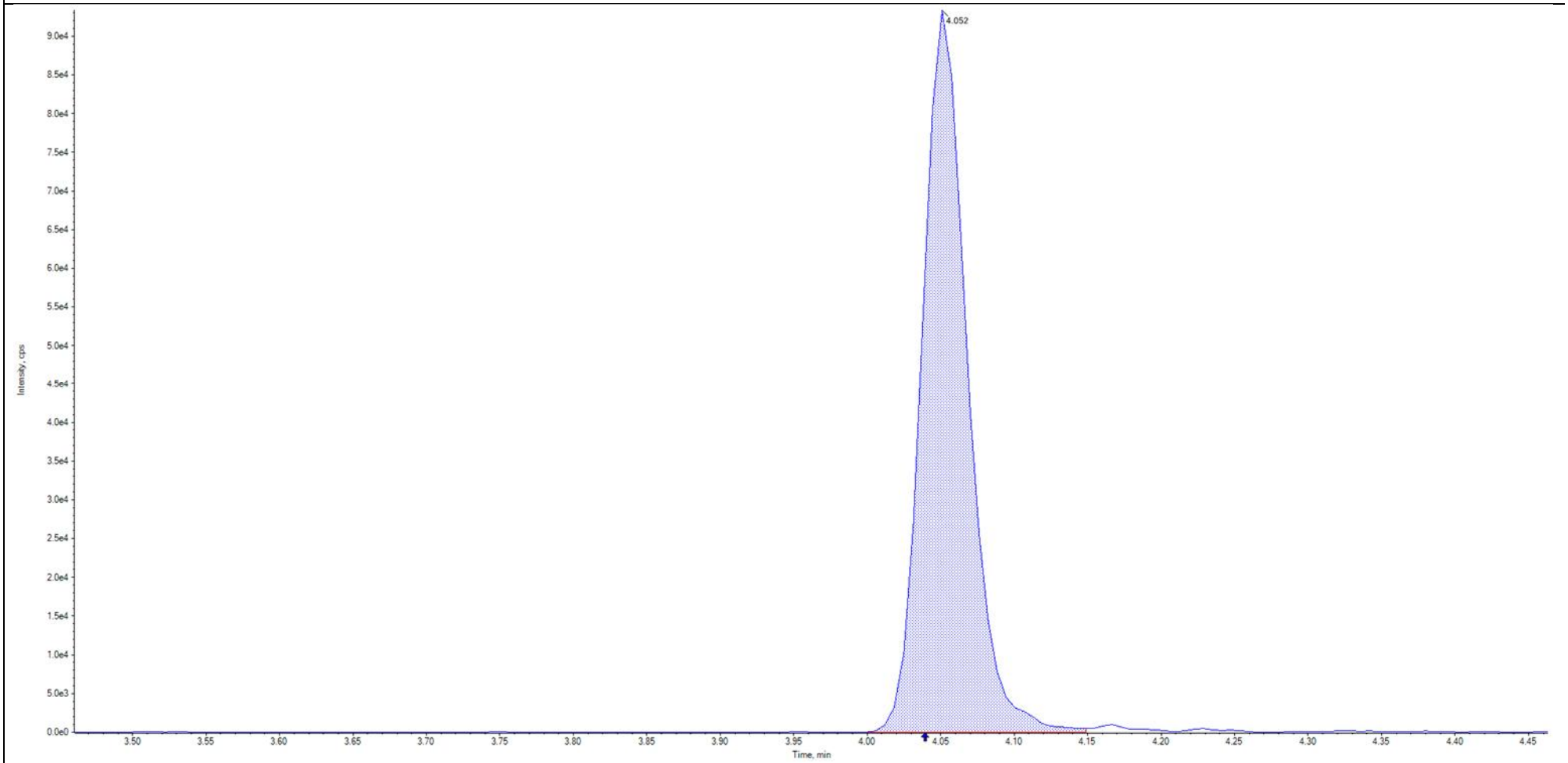
d3-NMeFOSA
Sample: IA1633STD-12.5



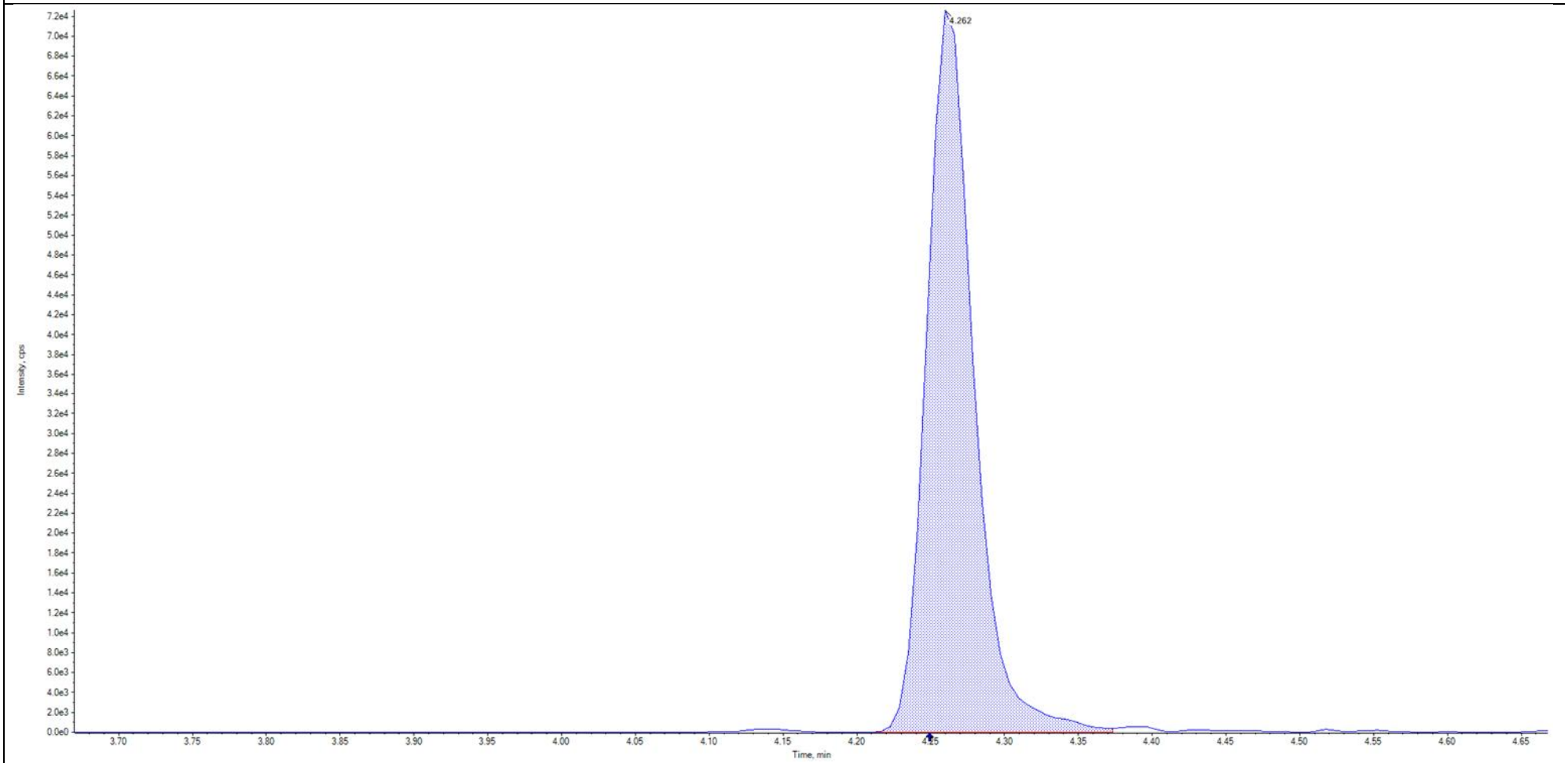
d5-NEtFOSA
Sample: IA1633STD-12.5



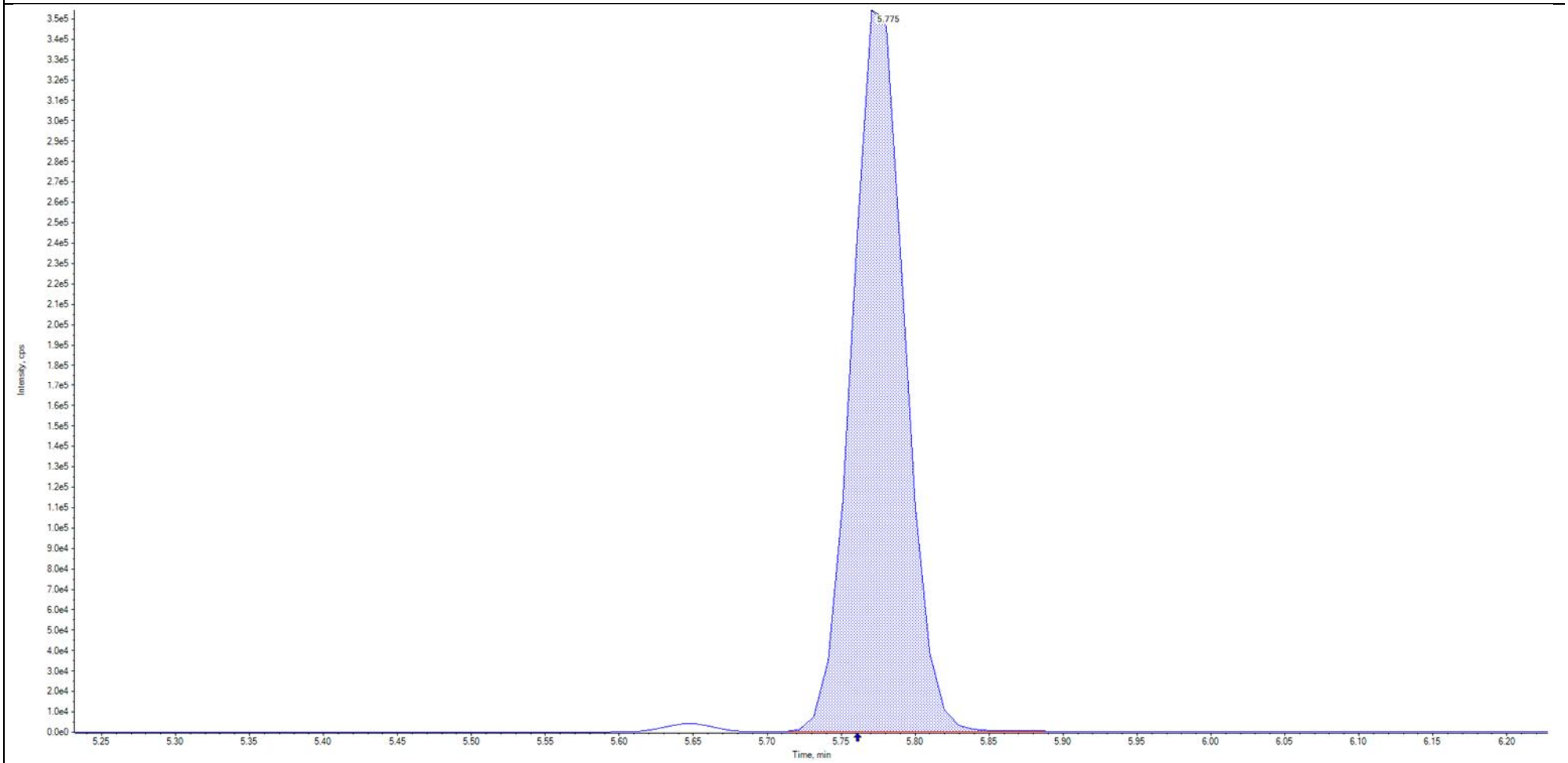
d3-NMeFOSAA
Sample: IA1633STD-12.5



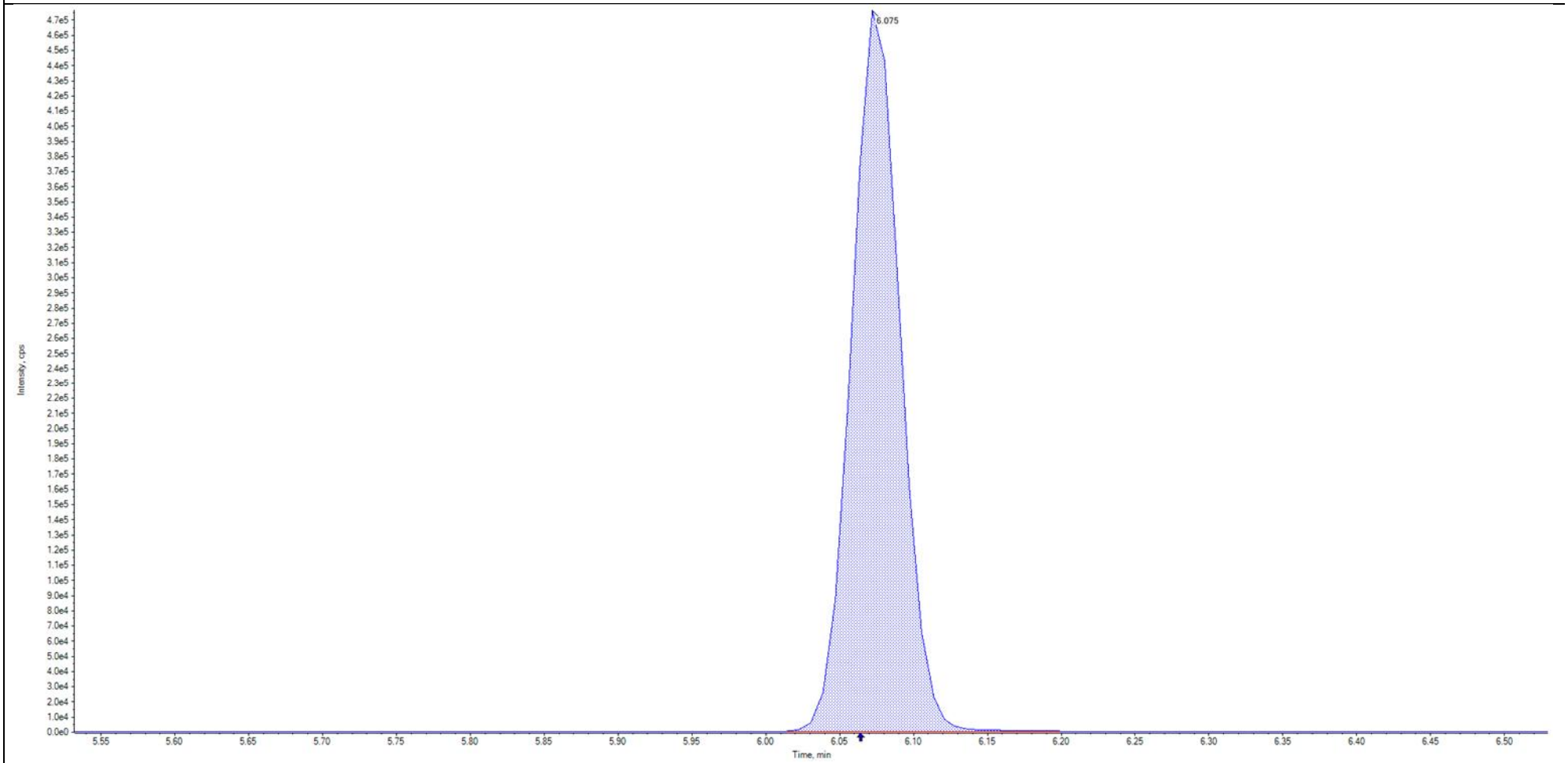
d5-NEtFOSAA
Sample: IA1633STD-12.5



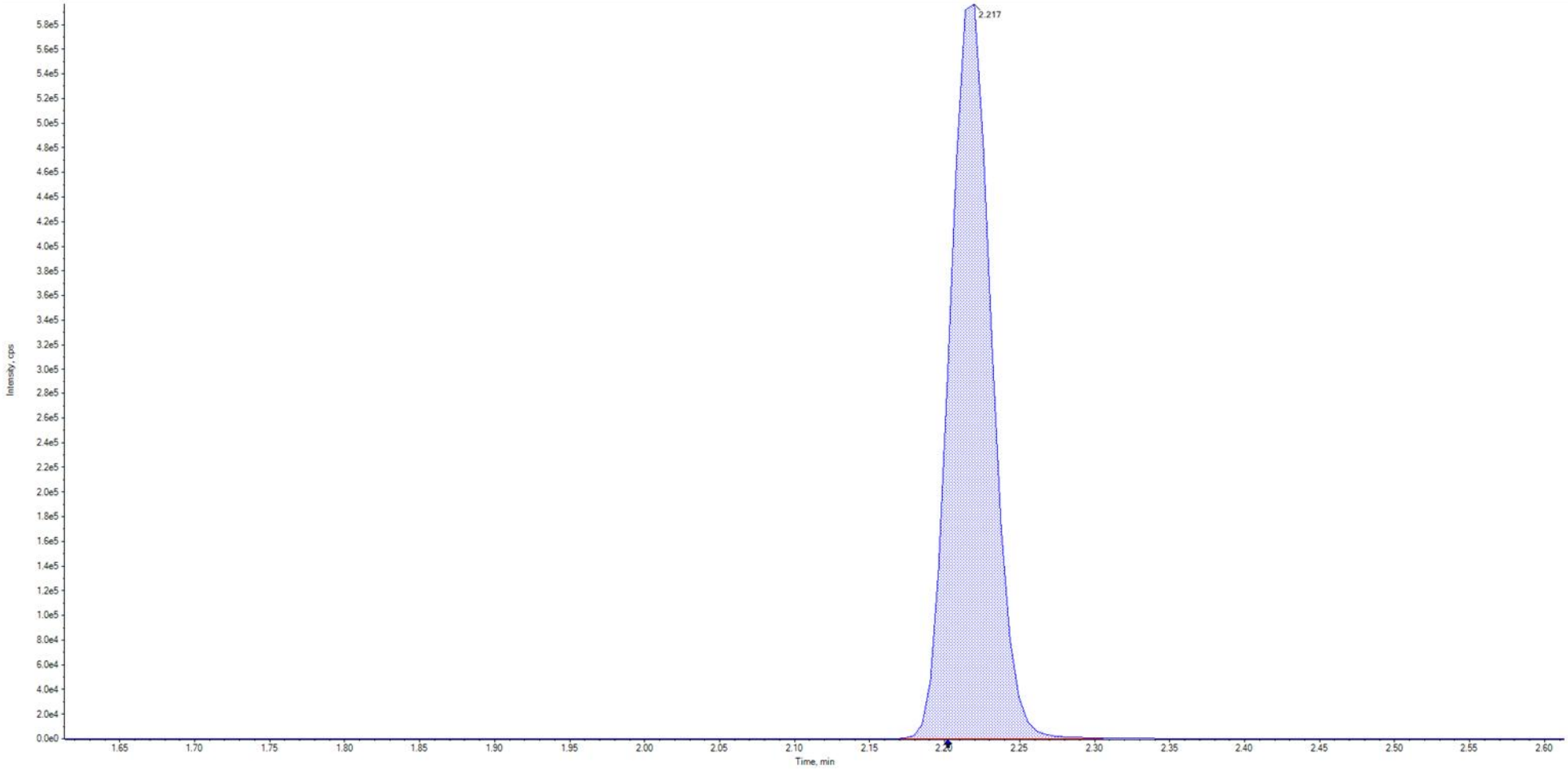
d7-NMeFOSE
Sample: IA1633STD-12.5



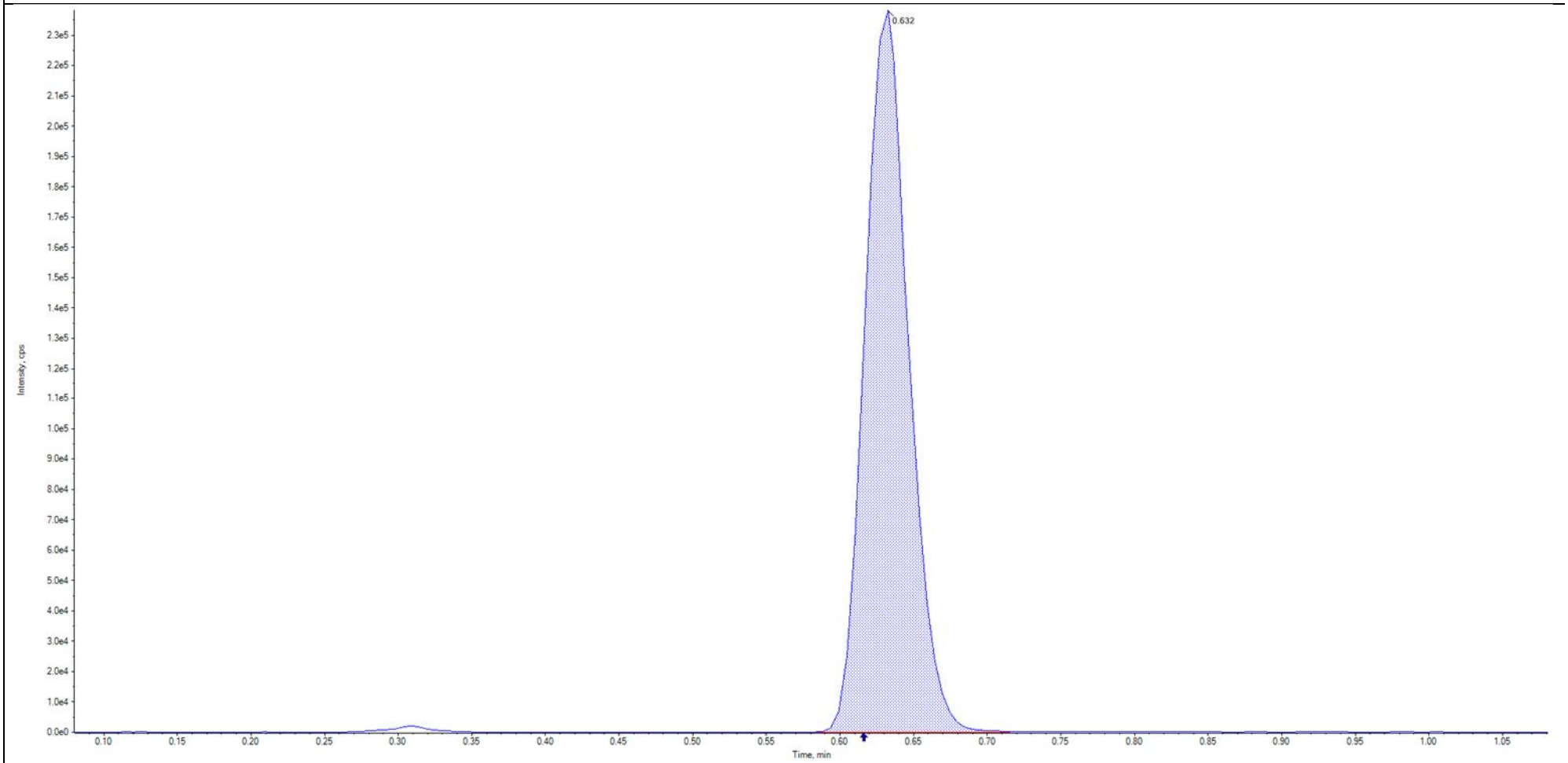
d9-NEtFOSE
Sample: IA1633STD-12.5



13C3-HFPO-DA
Sample: IA1633STD-12.5

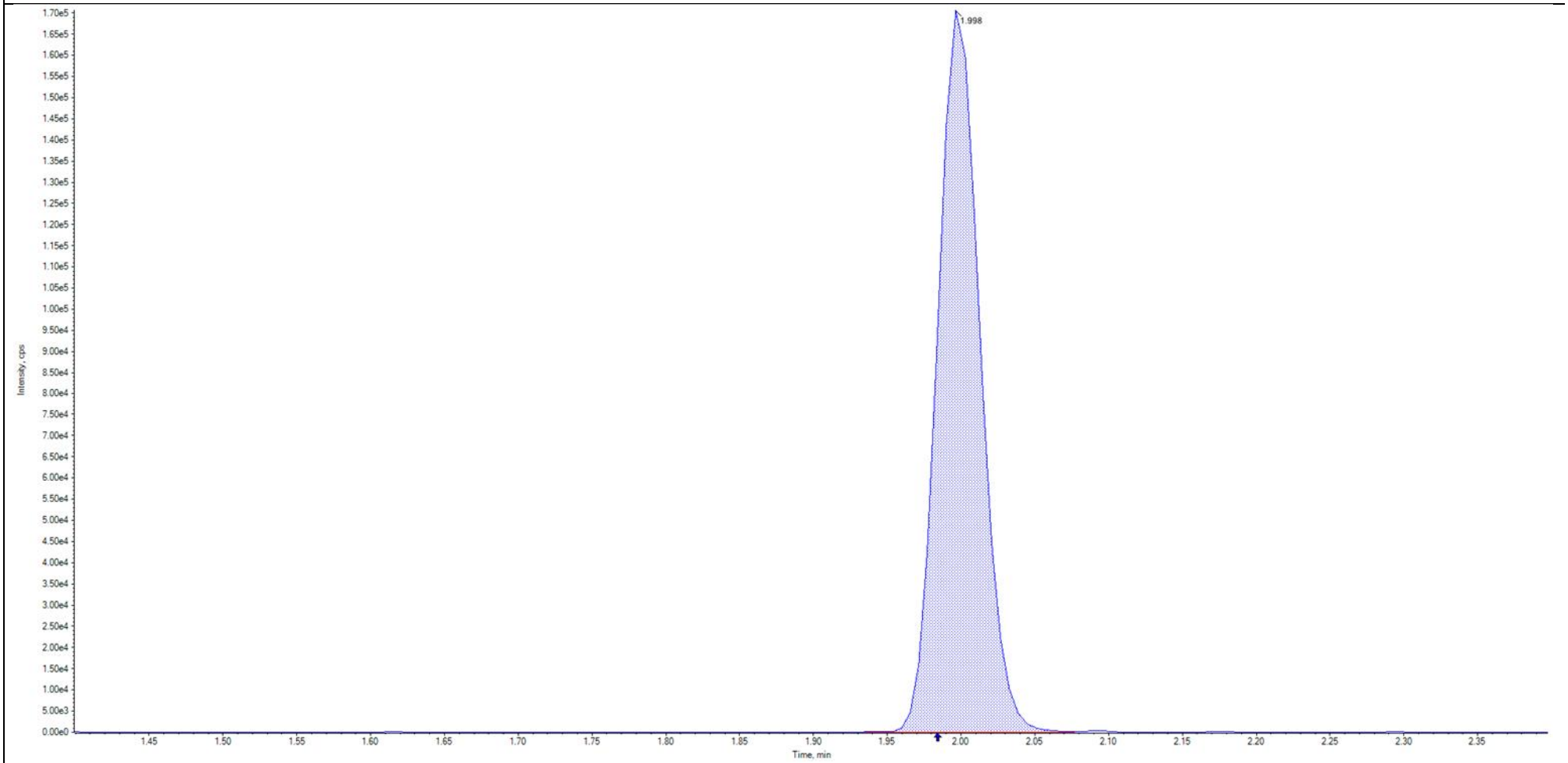


13C3-PFBA
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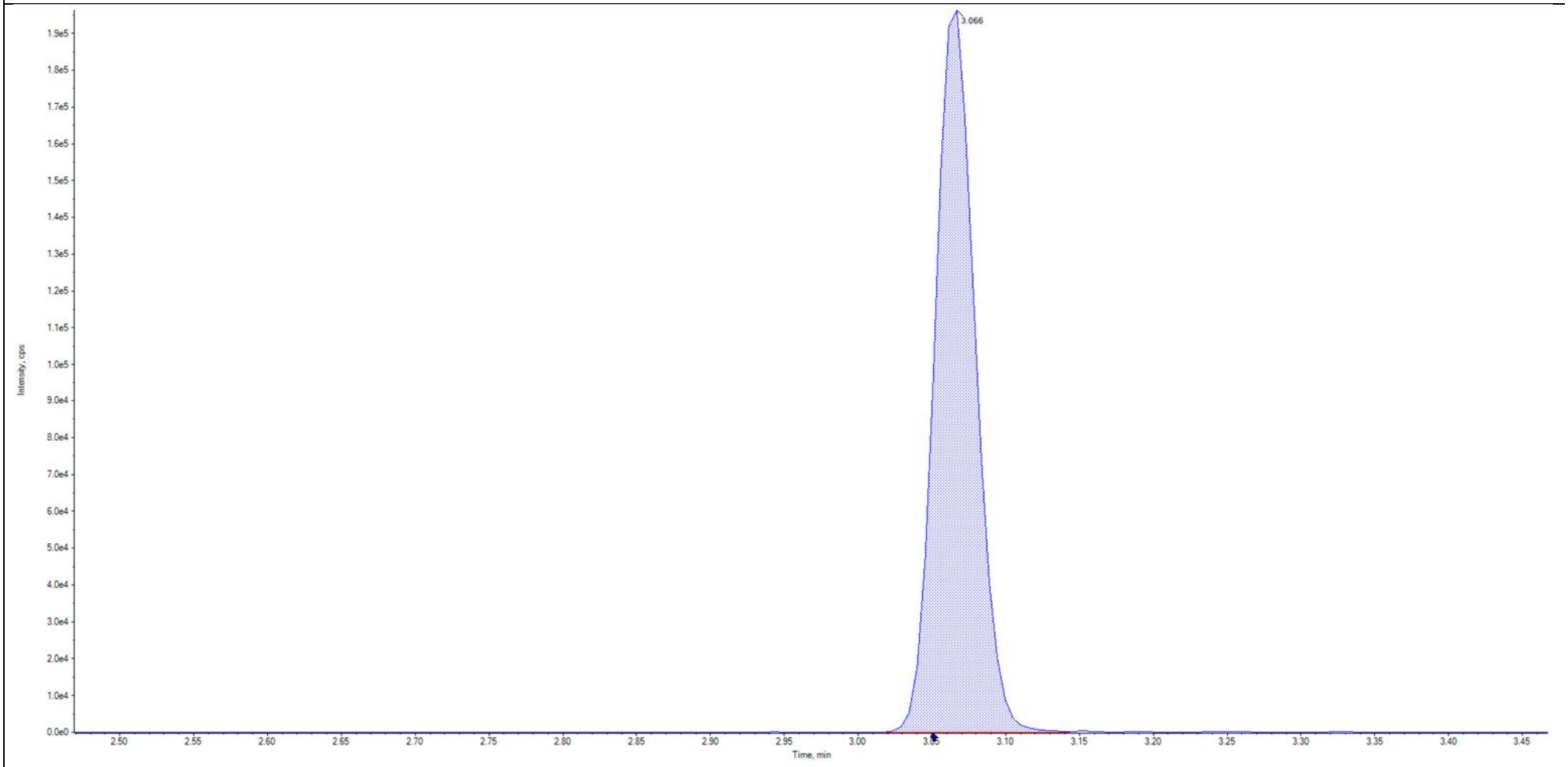


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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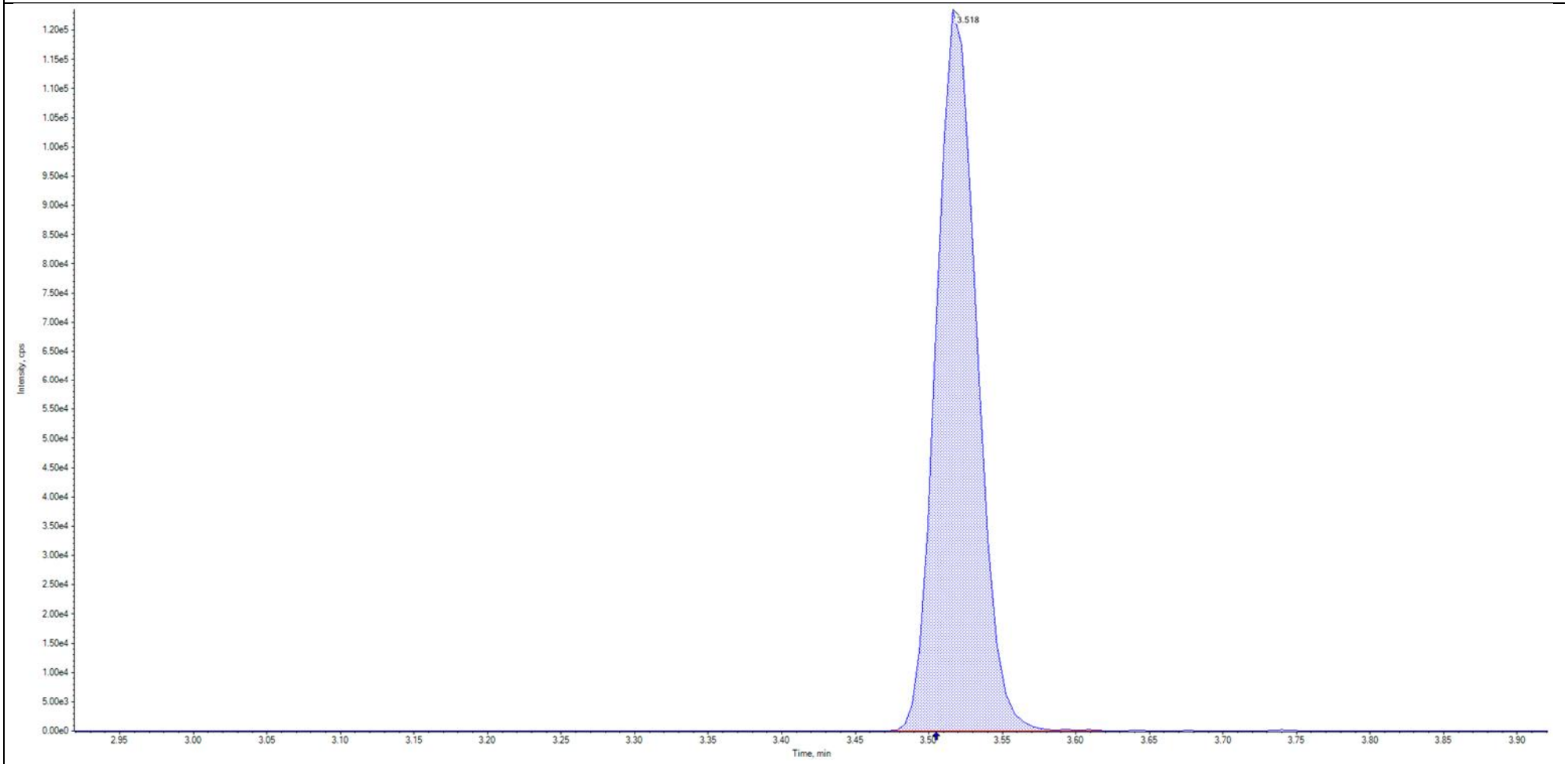
13C2-PFHxA
Sample: IA1633STD-12.5



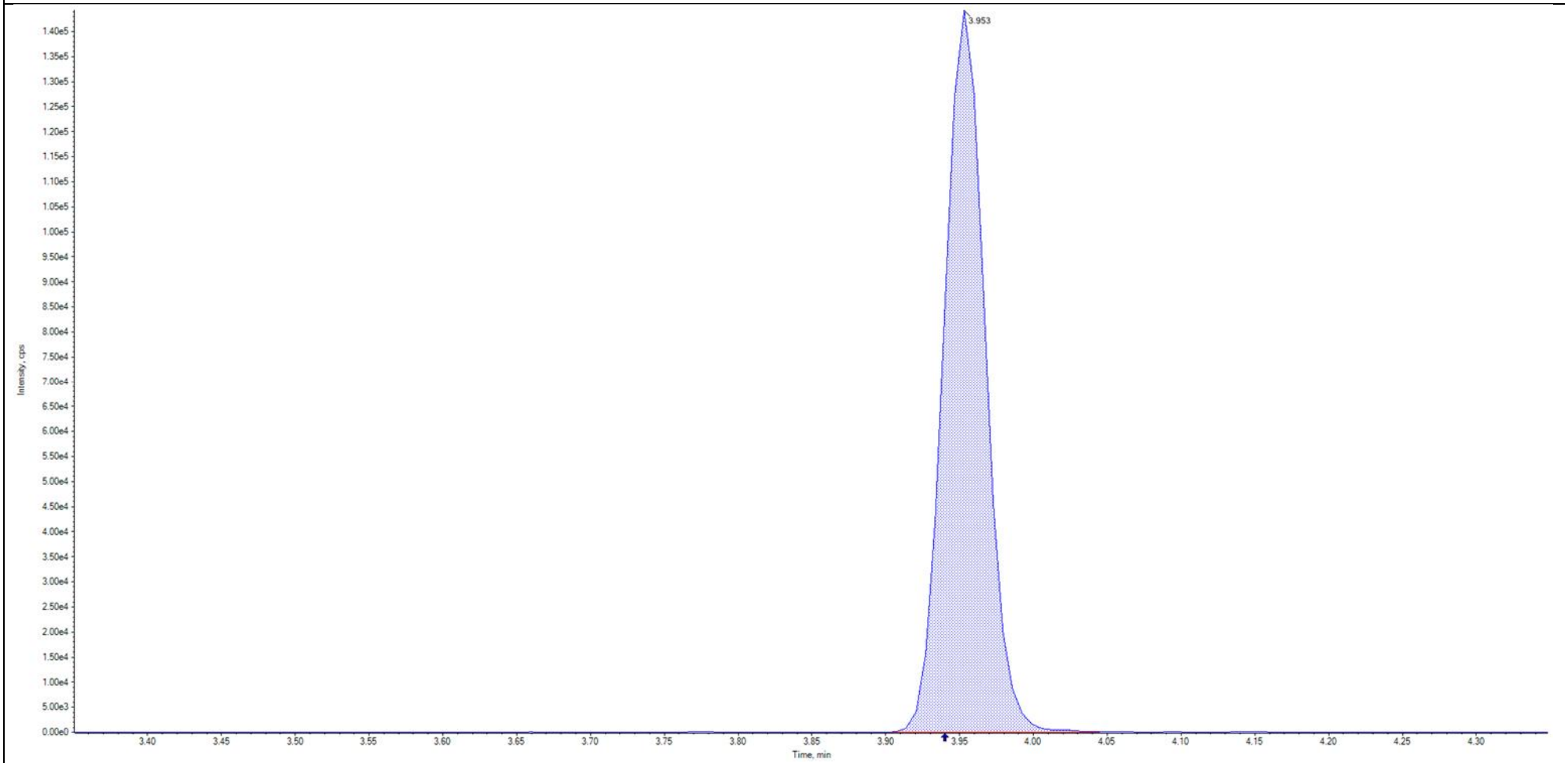
13C4-PFOA
Sample: IA1633STD-12.5



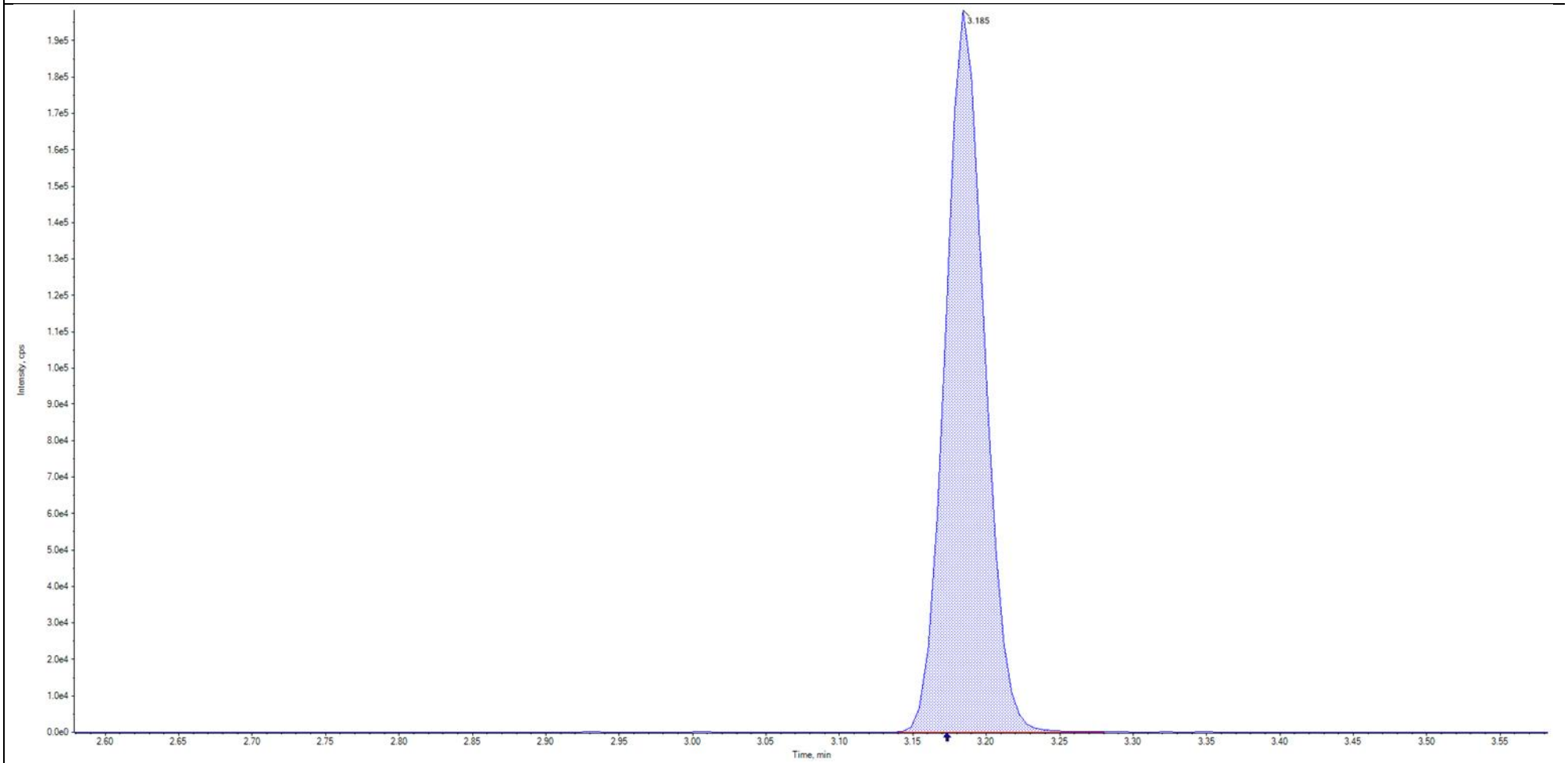
13C5-PFNA
Sample: IA1633STD-12.5



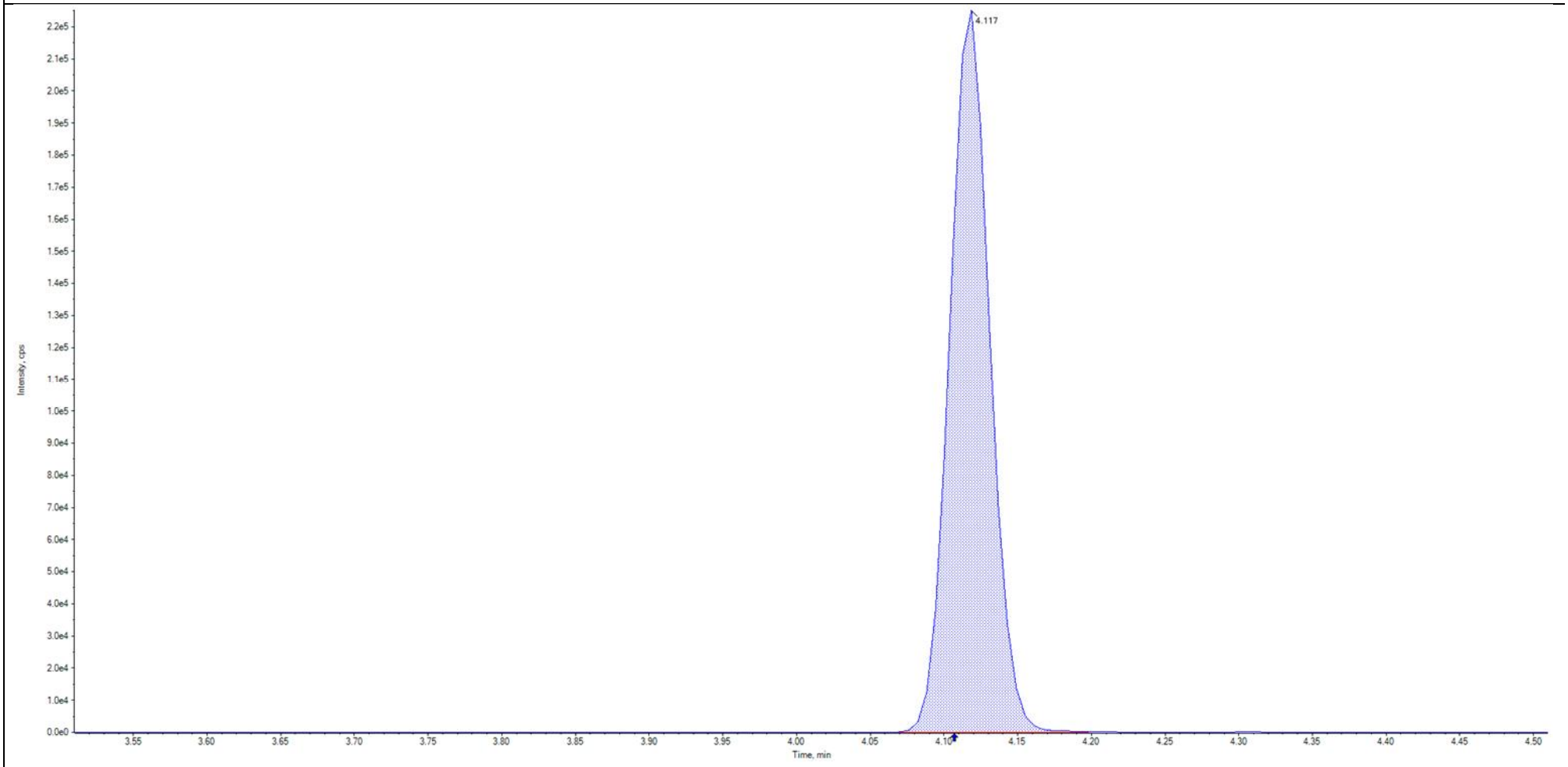
13C2-PFDA
Sample: IA1633STD-12.5



18O2-PFHxS
Sample: IA1633STD-12.5



13C4-PFOS
Sample: IA1633STD-12.5



Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_16.wiff2_6
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_17.wiff2_7
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

Method: EPA1633F.qmethod
Calibration: 241216_EPA1633_ICAL

ID: IA1633STD-25
Name: SCI08_241216_17.wiff2
Date & Time: 2024-12-16T16:00:43
Description: WG2009822,,EPA1633F_241008_CAL_L7
Instrument: SCIEX Triple Quad 5500+
User: LCMS08:JW

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.63	213.0 / 169.0	9103196		105.998	N/A	N/A	N/A	106.0
2	PFPeA	2706-90-3	1.24	263.0 / 219.0	4816856		53.041	0.008	0.008	Pass	106.1
3	PFPeA_2	2706-90-3	1.23	263.0 / 68.9	36866		49.734	0.008	0.008	Pass	99.5
4	PFHxA	307-24-4	2.00	313.0 / 269.0	3392026		24.800	0.082	0.084	Pass	99.2
5	PFHxA_2	307-24-4	2.00	313.0 / 119.0	278601		25.454	0.082	0.084	Pass	101.8
6	PFHpA	375-85-9	2.58	363.1 / 319.0	3378087		24.832	0.447	0.404	Pass	99.3
7	PFHpA_2	375-85-9	2.58	363.1 / 169.0	1508375		26.234	0.447	0.404	Pass	104.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	3.07	413.1 / 369.1	3454001	m5	26.716	0.521	0.562	Pass	106.9
9	PFOA_2	335-67-1	3.07	413.1 / 169.0	1798420	m5	26.661	0.521	0.562	Pass	106.7
10	PFNA	375-95-1	3.52	462.8 / 418.9	2961147	m5	27.168	0.452	0.464	Pass	108.7
11	PFNA_2	375-95-1	3.52	462.8 / 219.0	1337150	m5	26.949	0.452	0.464	Pass	107.8
12	PFDA	335-76-2	3.96	513.1 / 469.1	3791407		25.457	0.259	0.264	Pass	101.8
13	PFDA_2	335-76-2	3.96	513.1 / 219.0	981526		25.921	0.259	0.264	Pass	103.7
14	PFUnA	2058-94-8	4.38	563.1 / 519.1	4152271		26.433	0.212	0.204	Pass	105.7
15	PFUnA_2	2058-94-8	4.38	563.1 / 269.0	879918		27.025	0.212	0.204	Pass	108.1
16	PFDoA	307-55-1	4.80	613.1 / 569.1	4699516		25.450	0.198	0.194	Pass	101.8
17	PFDoA_2	307-55-1	4.80	613.1 / 319.0	931504		24.774	0.198	0.194	Pass	99.1
18	PFTrDA	72629-94-8	5.20	663.1 / 619.1	5390943		25.750	0.197	0.193	Pass	103.0
19	PFTrDA_2	72629-94-8	5.20	663.1 / 169.0	1061478		27.231	0.197	0.193	Pass	108.9
20	PFTeDA	376-06-7	5.59	713.1 / 669.1	6173380		25.460	0.159	0.163	Pass	101.8
21	PFTeDA_2	376-06-7	5.59	713.1 / 169.0	980354		25.461	0.159	0.163	Pass	101.8
22	PFBS	375-73-5	2.01	299.1 / 80.1	4443544		23.658	0.346	0.353	Pass	106.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	2.01	299.1 / 99.1	1539621		23.770	0.346	0.353	Pass	107.1
24	PFPeS	2706-91-4	2.66	349.1 / 80.1	4678566		25.163	0.284	0.294	Pass	107.1
25	PFPeS_2	2706-91-4	2.66	349.1 / 99.1	1326926		25.747	0.284	0.294	Pass	109.6
26	PFHxS	355-46-4	3.19	399.1 / 80.1	4188165	m5	24.523	0.291	0.292	Pass	107.6
27	PFHxS_2	355-46-4	3.19	399.1 / 99.1	1216835		24.396	0.291	0.292	Pass	107.0
28	PFHpS	375-92-8	3.67	449.1 / 80.1	4350581		26.319	0.265	0.274	Pass	110.6
29	PFHpS_2	375-92-8	3.67	449.1 / 99.1	1152632		26.391	0.265	0.274	Pass	110.9
30	PFOS	1763-23-1	4.12	499.1 / 80.1	5275591	m5	24.323	0.215	0.223	Pass	104.8
31	PFOS_2	1763-23-1	4.12	499.1 / 99.1	1133090	m5	24.852	0.215	0.223	Pass	107.1
32	PFNS	68259-12-1	4.55	549.1 / 80.1	5129287		27.191	0.273	0.281	Pass	113.3
33	PFNS_2	68259-12-1	4.55	549.1 / 99.1	1402436		26.579	0.273	0.281	Pass	110.7
34	PFDS	335-77-3	4.97	599.1 / 80.1	5696002		28.482	0.260	0.267	Pass	118.2
35	PFDS_2	335-77-3	4.97	599.1 / 99.1	1479568		27.791	0.260	0.267	Pass	115.3
36	PFDoS	79780-39-5	5.76	699.2 / 80.1	5785911		26.726	0.223	0.225	Pass	110.4
37	PFDoS_2	79780-39-5	5.76	699.2 / 99.1	1292346		26.734	0.223	0.225	Pass	110.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	1.77	327.1 / 307.1	2955628		90.926	0.658	0.637	Pass	97.0
39	4:2FTS_2	757124-72-4	1.77	327.1 / 81.1	1945398		90.899	0.658	0.637	Pass	97.0
40	6:2FTS	27619-97-2	2.88	427.2 / 407.2	3049554		102.725	0.617	0.571	Pass	108.0
41	6:2FTS_2	27619-97-2	2.88	427.2 / 81.1	1880713		103.004	0.617	0.571	Pass	108.3
42	8:2FTS	39108-34-4	3.76	527.2 / 507.2	2992258		95.460	0.790	0.758	Pass	99.4
43	8:2FTS_2	39108-34-4	3.76	527.2 / 81.1	2363372		96.907	0.790	0.758	Pass	100.9
44	PFOSA	754-91-6	5.20	498.1 / 78.1	6726206	m5	27.296	0.023	0.023	Pass	109.2
45	PFOSA_2	754-91-6	5.20	498.1 / 478.0	157919	m5	24.888	0.023	0.023	Pass	99.6
46	NMeFOSA	31506-32-8	5.94	512.2 / 219.0	1495402	m5	26.647	1.444	1.447	Pass	106.6
47	NMeFOSA_2	31506-32-8	5.88	512.2 / 169.0	2158672	m5	26.467	1.444	1.447	Pass	105.9
48	NEtFOSA	4151-50-2	6.23	526.2 / 219.0	1528402		26.487	1.297	1.299	Pass	106.0
49	NEtFOSA_2	4151-50-2	6.19	526.2 / 169.0	1982457		26.302	1.297	1.299	Pass	105.2
50	NMeFOSAA	2355-31-9	4.06	570.2 / 419.1	971596		25.937	0.577	0.605	Pass	103.8
51	NMeFOSAA_2	2355-31-9	4.06	570.2 / 483.0	560208		24.495	0.577	0.605	Pass	98.0
52	NEtFOSAA	2991-50-6	4.27	584.2 / 419.1	939923	m5	26.689	0.512	0.518	Pass	106.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.27	584.2 / 526.2	481397	m5	27.427	0.512	0.518	Pass	109.7
54	NMeFOSE	24448-09-7	5.80	616.1 / 58.9	21259802	m5	270.779	N/A	N/A	N/A	108.3
55	NEtFOSE	1691-99-2	6.10	630.0 / 58.9	27015584	m5	261.181	N/A	N/A	N/A	104.5
56	HFPO-DA	13252-13-6	2.22	285.0 / 169.0	11590511		107.018	0.457	0.474	Pass	107.0
57	HFPO-DA_2	13252-13-6	2.22	285.0 / 184.9	5292834		103.083	0.457	0.474	Pass	103.1
58	ADONA	919005-14-4	2.76	376.9 / 251.0	22460257		94.266	0.683	0.740	Pass	99.8
59	ADONA_2	919005-14-4	2.76	376.9 / 84.8	15350630		90.300	0.683	0.740	Pass	95.6
60	9Cl-PF3ONS	756426-58-1	4.42	530.8 / 351.1	29457962		87.899	0.341	0.340	Pass	94.2
61	9Cl-PF3ONS_2	756426-58-1	4.42	532.8 / 353.0	10042176		89.110	0.341	0.340	Pass	95.5
62	11Cl-PF3OUdS	763051-92-9	5.25	630.9 / 451.0	30727621		87.240	0.337	0.328	Pass	92.5
63	11Cl-PF3OUdS_2	763051-92-9	5.25	632.9 / 452.9	10370312		88.529	0.337	0.328	Pass	93.9
64	3:3FTCA	356-02-5	1.58	241.1 / 177.1	1110101		138.612	0.971	0.996	Pass	110.9
65	3:3FTCA_2	356-02-5	1.58	241.1 / 117.0	1078398		138.497	0.971	0.996	Pass	110.8
66	5:3FTCA	914637-49-3	3.03	341.1 / 237.1	20718635		635.300	1.028	1.037	Pass	101.7
67	5:3FTCA_2	914637-49-3	3.02	341.1 / 217.0	21299153		629.980	1.028	1.037	Pass	100.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	4.05	441.1 / 316.9	23037809		700.553	1.078	1.181	Pass	112.1
69	7:3FTCA_2	812-70-4	4.04	441.1 / 337.1	24834937		661.865	1.078	1.181	Pass	105.9
70	PFEESA	113507-82-7	2.32	315.1 / 135.0	21266346		44.141	0.083	0.078	Pass	99.0
71	PFEESA_2	113507-82-7	2.32	315.1 / 82.9	1763597		44.438	0.083	0.078	Pass	99.6
72	PFMPA	377-73-1	0.80	229.0 / 85.0	5541658		55.614	N/A	N/A	N/A	111.2
73	PFMBA	863090-89-5	1.49	279.0 / 85.0	7169933		53.286	N/A	N/A	N/A	106.6
74	NFDHA	151772-58-6	1.92	295.0 / 201.0	2955896		51.222	0.779	0.765	Pass	102.4
75	NFDHA_2	151772-58-6	1.92	295.0 / 84.9	2304062		51.285	0.779	0.765	Pass	102.6
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	5.845	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	5.845	N/A	N/A
78	13C2D4-4:2FTS	Surr	1.76	333.2 / 312.1	150756		5.557	N/A	N/A	N/A	111.1
79	13C2-PFOA	Surr	3.07	415.0 / 370.0	466704		2.651	N/A	N/A	N/A	106.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.63	217.0 / 172.0	1038337		9.745	NA	NA	NA	97.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.23	268.0 / 223.0	503698		4.881	NA	NA	NA	97.6
	13C5-PFHxA	EIS	1.99	318.0 / 273.0	322935		2.527	NA	NA	NA	101.1
	13C4-PFHpA	EIS	2.58	367.0 / 322.0	399855		2.479	NA	NA	NA	99.2
	13C8-PFOA	EIS	3.06	420.8 / 376.0	463751		2.327	NA	NA	NA	93.1
	13C9-PFNA	EIS	3.52	472.0 / 427.0	226280		1.204	NA	NA	NA	96.3
	13C6-PFDA	EIS	3.95	519.0 / 474.0	288404		1.221	NA	NA	NA	97.6
	13C7-PFUnA	EIS	4.38	570.0 / 525.0	303831		1.210	NA	NA	NA	96.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	4.79	615.1 / 570.0	258432		1.251	NA	NA	NA	100.1
	13C2-PFTeDA	EIS	5.58	715.1 / 670.1	309778		1.277	NA	NA	NA	102.1
	13C3-PFBS	EIS	2.01	302.1 / 80.1	464289		2.164	NA	NA	NA	92.9
	13C3-PFHxS	EIS	3.18	402.1 / 80.1	417462		2.294	NA	NA	NA	96.8
	13C8-PFOS	EIS	4.12	507.1 / 80.1	508373		2.241	NA	NA	NA	93.4
	13C2-4:2FTS	EIS	1.77	329.1 / 81.1	96460		4.766	NA	NA	NA	101.6
	13C2-6:2FTS	EIS	2.87	429.2 / 81.1	89996		4.666	NA	NA	NA	98.0
	13C2-8:2FTS	EIS	3.75	529.2 / 81.1	138155		5.080	NA	NA	NA	105.8

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C8-PFOSA	EIS	5.19	506.1 / 78.1	774733		2.377	NA	NA	NA	95.1
d3-NMeFOSA	EIS	5.93	515.2 / 219.0	126045		2.468	NA	NA	NA	98.7
d5-NEtFOSA	EIS	6.22	531.2 / 219.0	126855		2.509	NA	NA	NA	100.4
d3-NMeFOSAA	EIS	4.05	573.2 / 419.1	213104		5.220	NA	NA	NA	104.4
d5-NEtFOSAA	EIS	4.26	589.3 / 419.1	171965		5.025	NA	NA	NA	100.5
d7-NMeFOSE	EIS	5.78	623.2 / 58.9	895290		24.426	NA	NA	NA	97.7
d9-NEtFOSE	EIS	6.07	639.2 / 58.9	1137319		25.085	NA	NA	NA	100.3

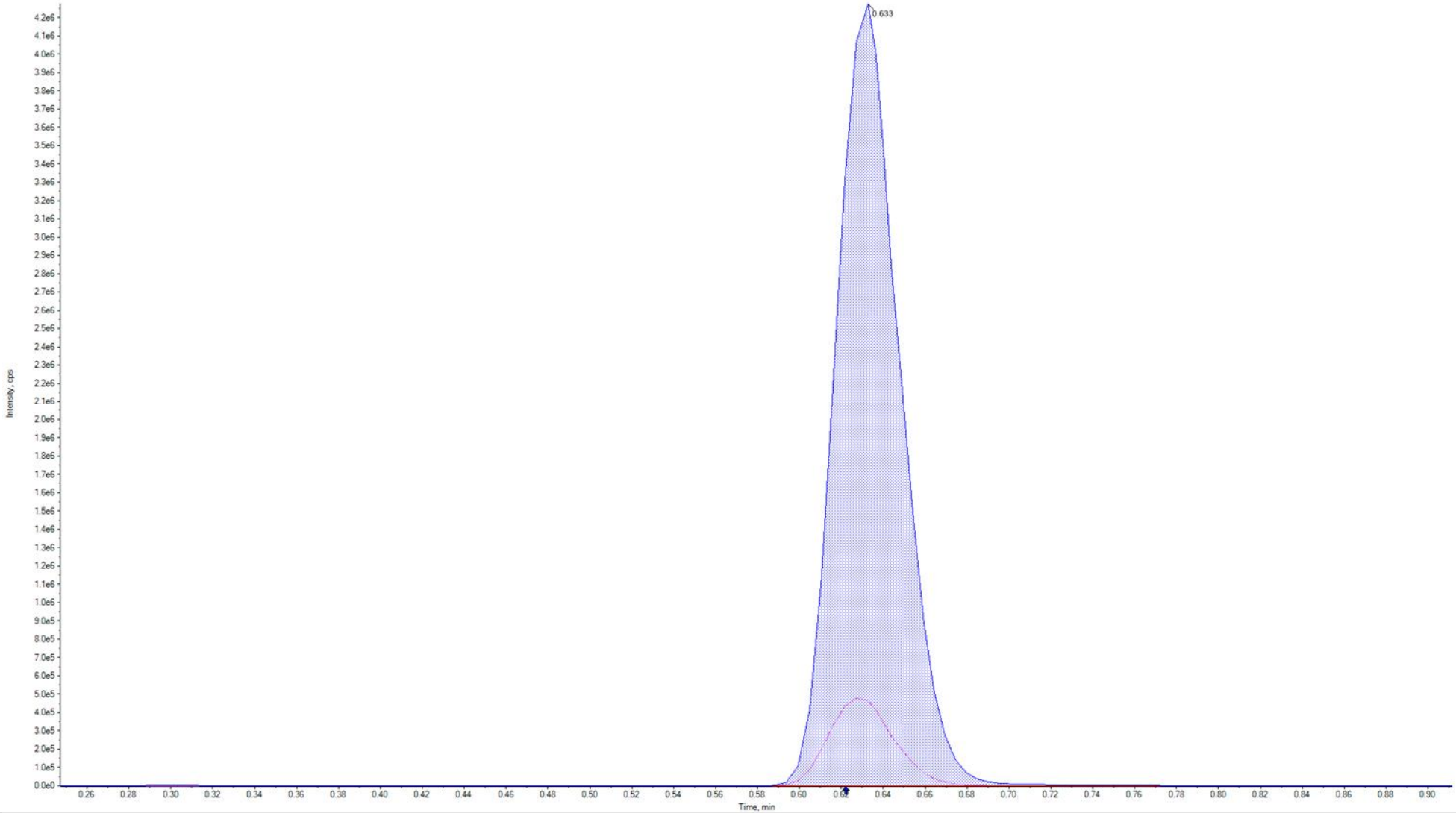
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	13C3-HFPO-DA	EIS	2.21	287.0 / 169.0	1138802		9.711	NA	NA	NA	97.1
	13C3-PFBA	NIS	0.63	216.0 / 172.0	467717		4.739	NA	NA	NA	94.8
	13C2-PFHxA	NIS	1.99	315.0 / 270.0	341678		2.498	NA	NA	NA	99.9
	13C4-PFOA	NIS	3.06	417.0 / 372.0	386454		2.647	NA	NA	NA	105.9
	13C5-PFNA	NIS	3.52	468.0 / 423.0	236518		1.274	NA	NA	NA	101.9
	13C2-PFDA	NIS	3.95	515.1 / 470.1	283738		1.246	NA	NA	NA	99.7
	18O2-PFHxS	NIS	3.18	403.1 / 84.1	374718		2.450	NA	NA	NA	103.4
	13C4-PFOS	NIS	4.12	503.1 / 80.1	416908		2.451	NA	NA	NA	102.1

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

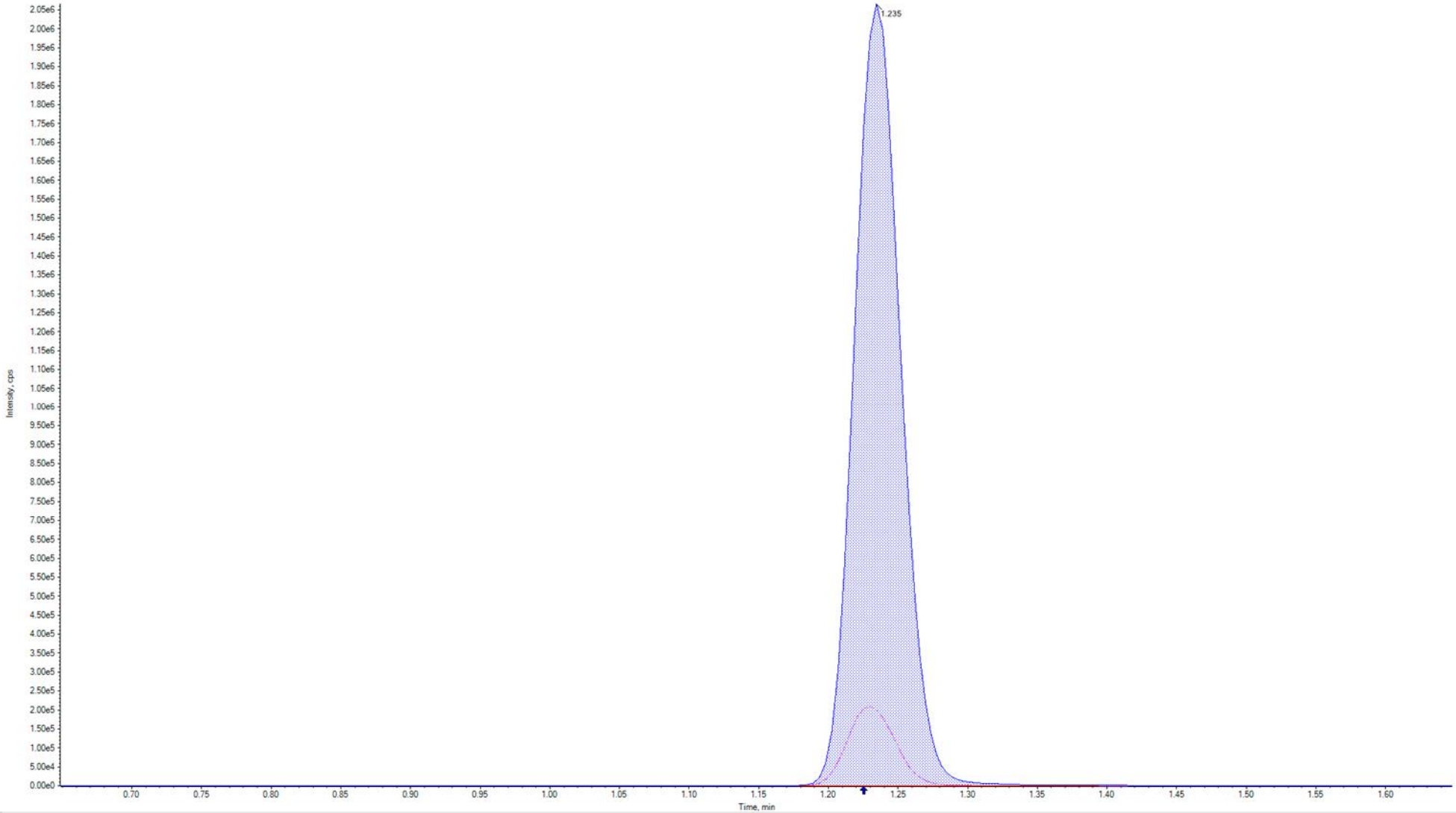
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PFBA
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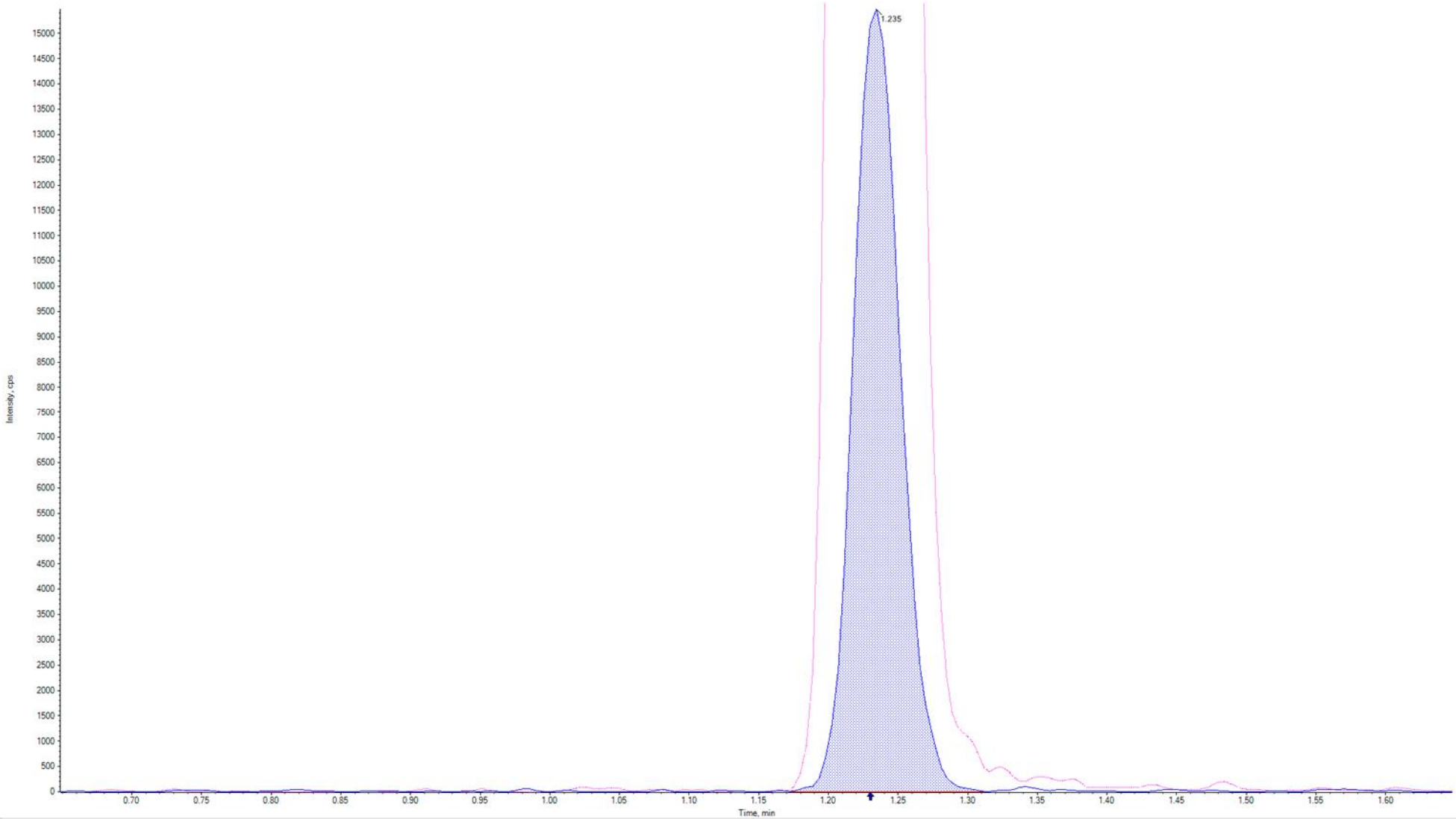
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PFPeA
Sample: IA1633STD-25 S/N:16155.5 Points Across peak:57



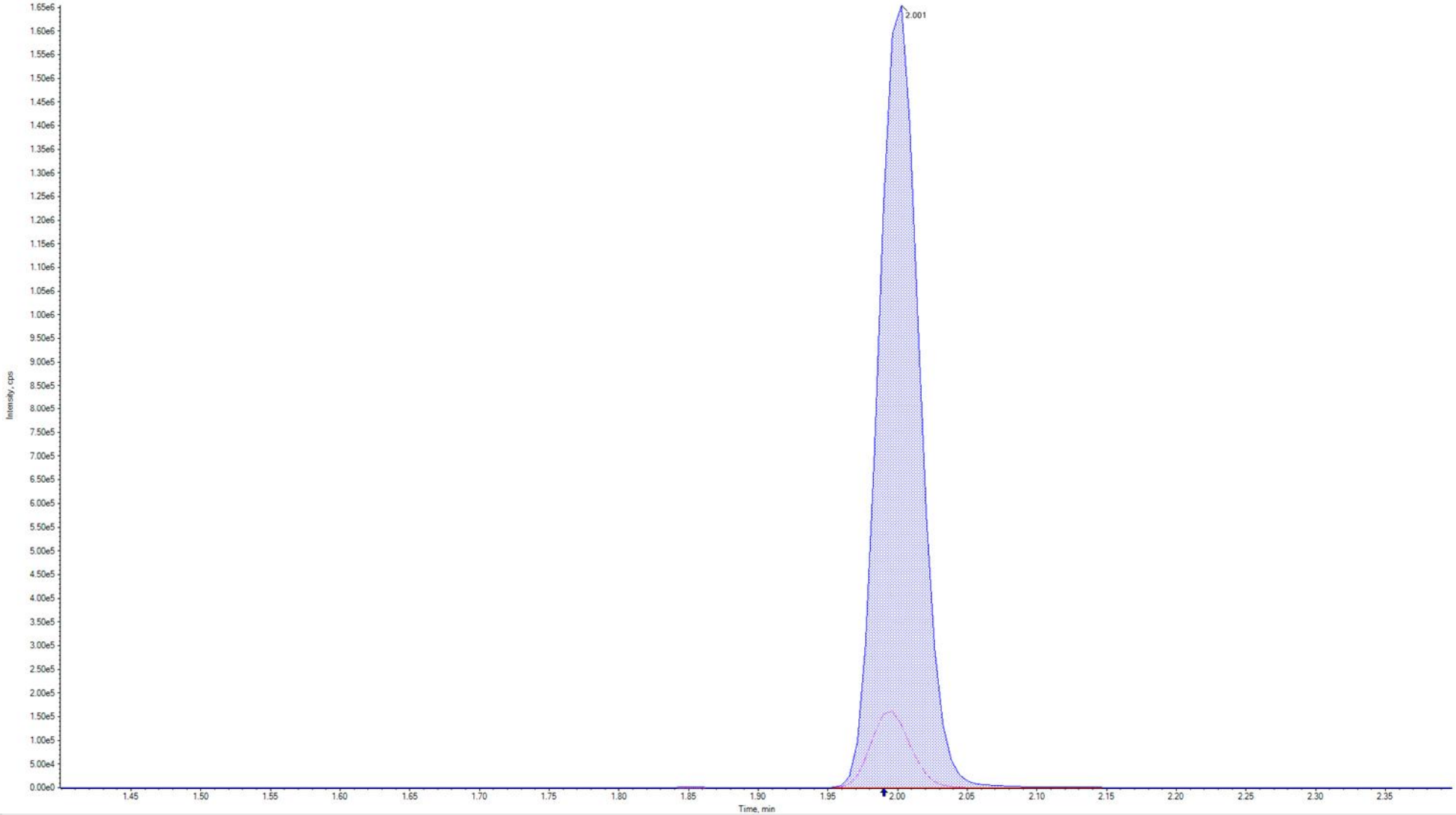
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PFPeA_2
Sample: IA1633STD-25 S/N:930.9 Points Across peak:36



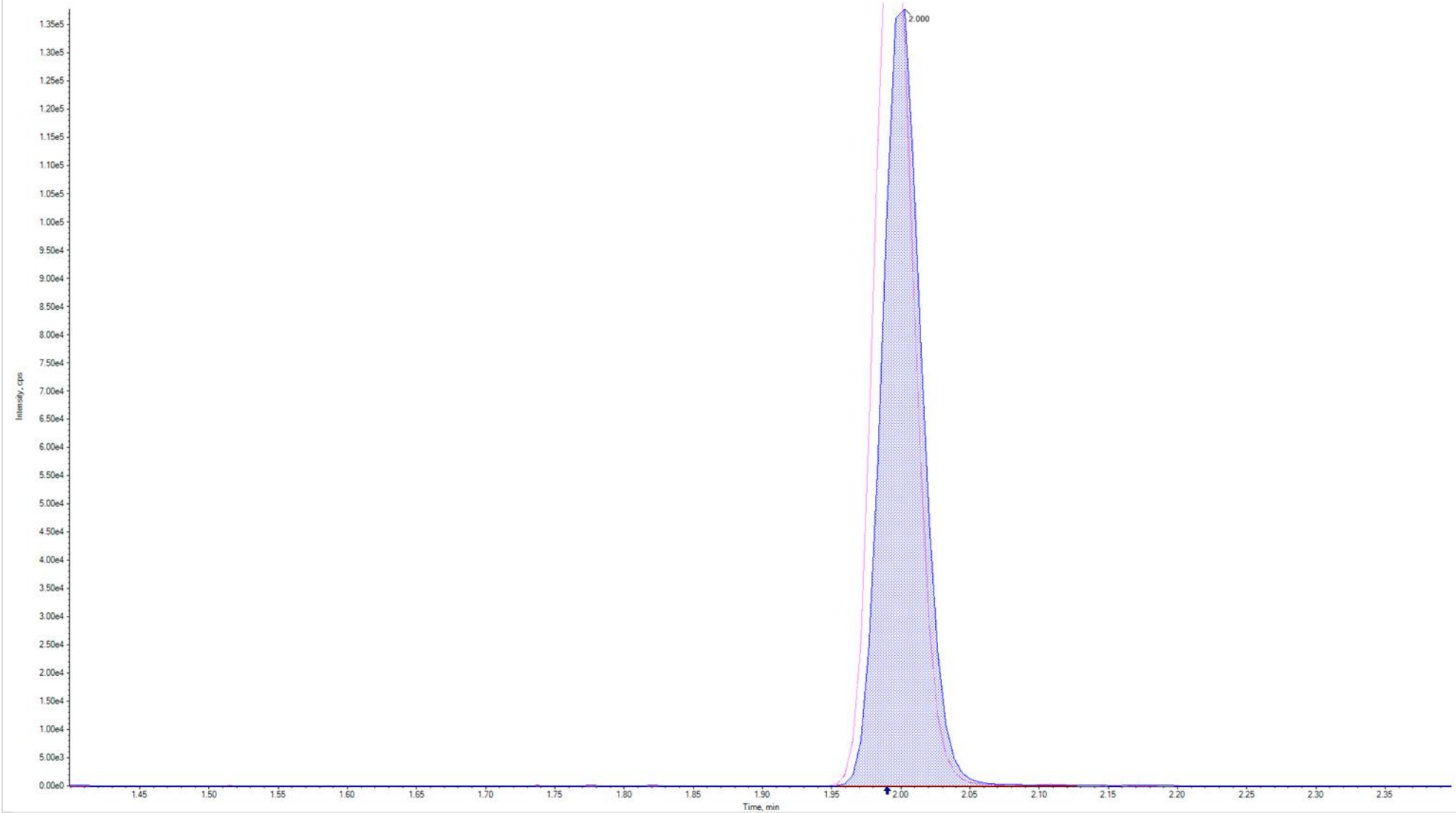
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PFHxA
Sample: IA1633STD-25 S/N:28835.9 Points Across peak:36



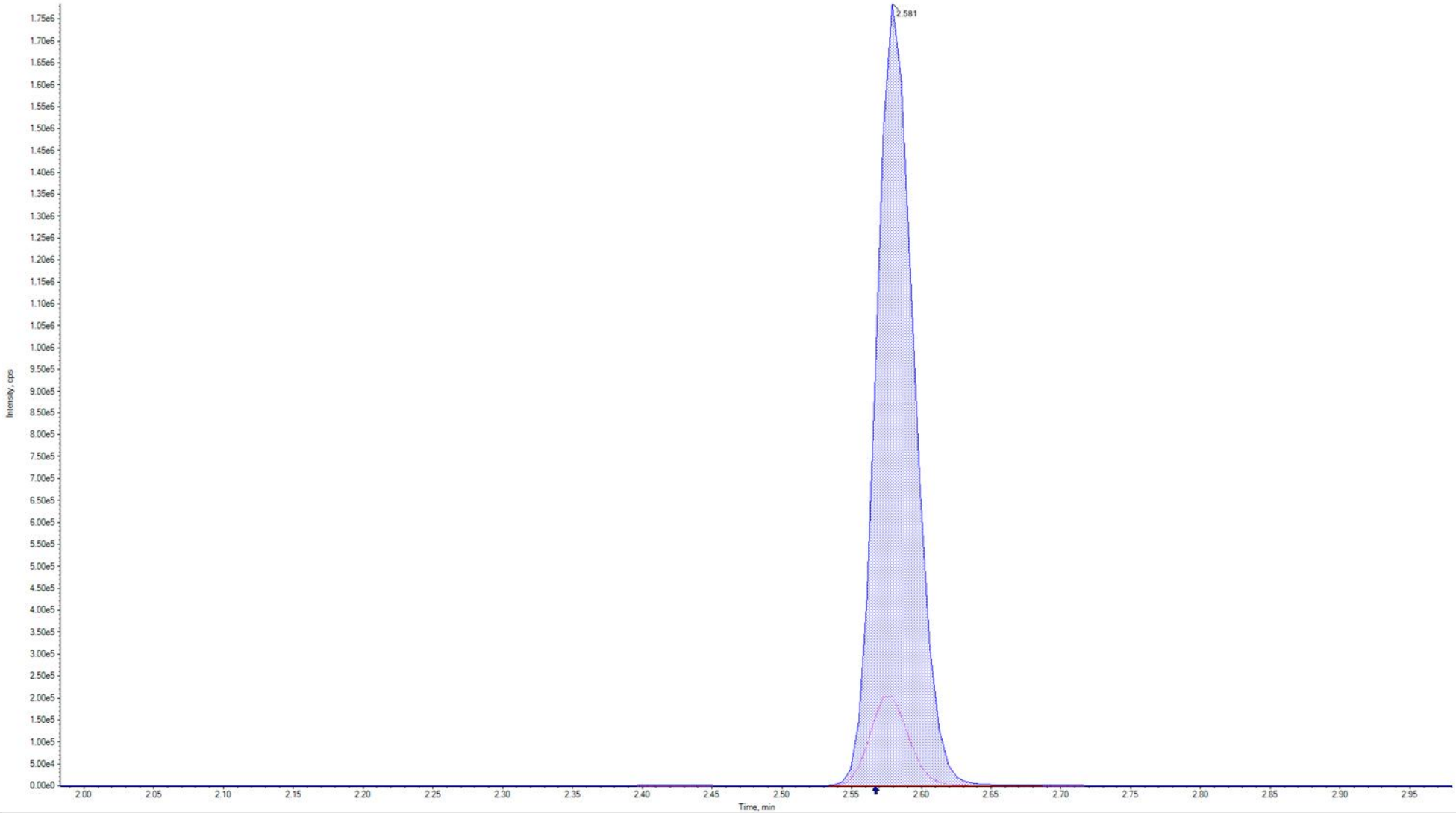
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PFHxA_2
Sample: IA1633STD-25 S/N:3453.0 Points Across peak:35



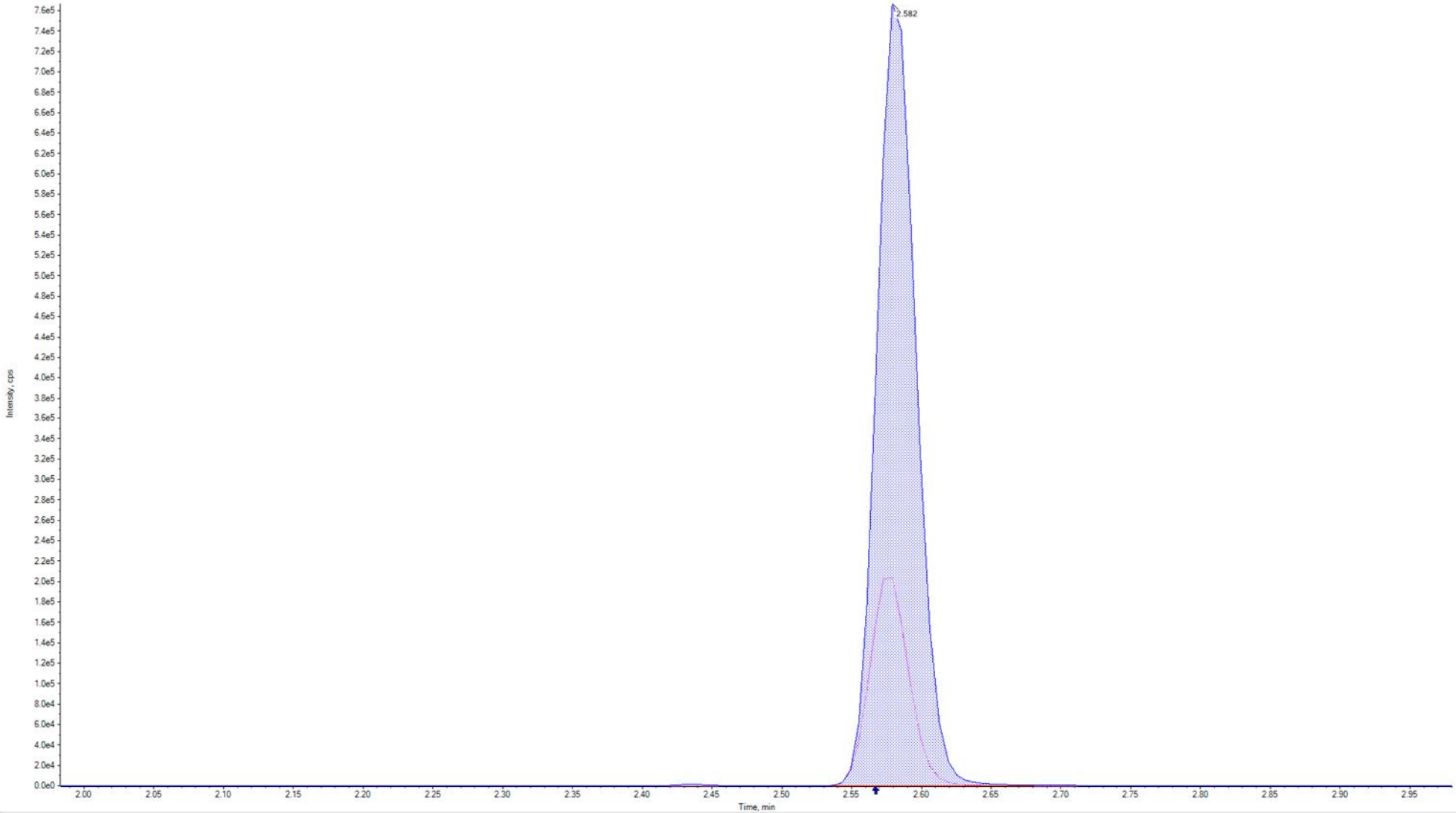
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PFHpA
Sample: IA1633STD-25 S/N:35779.4 Points Across peak:31



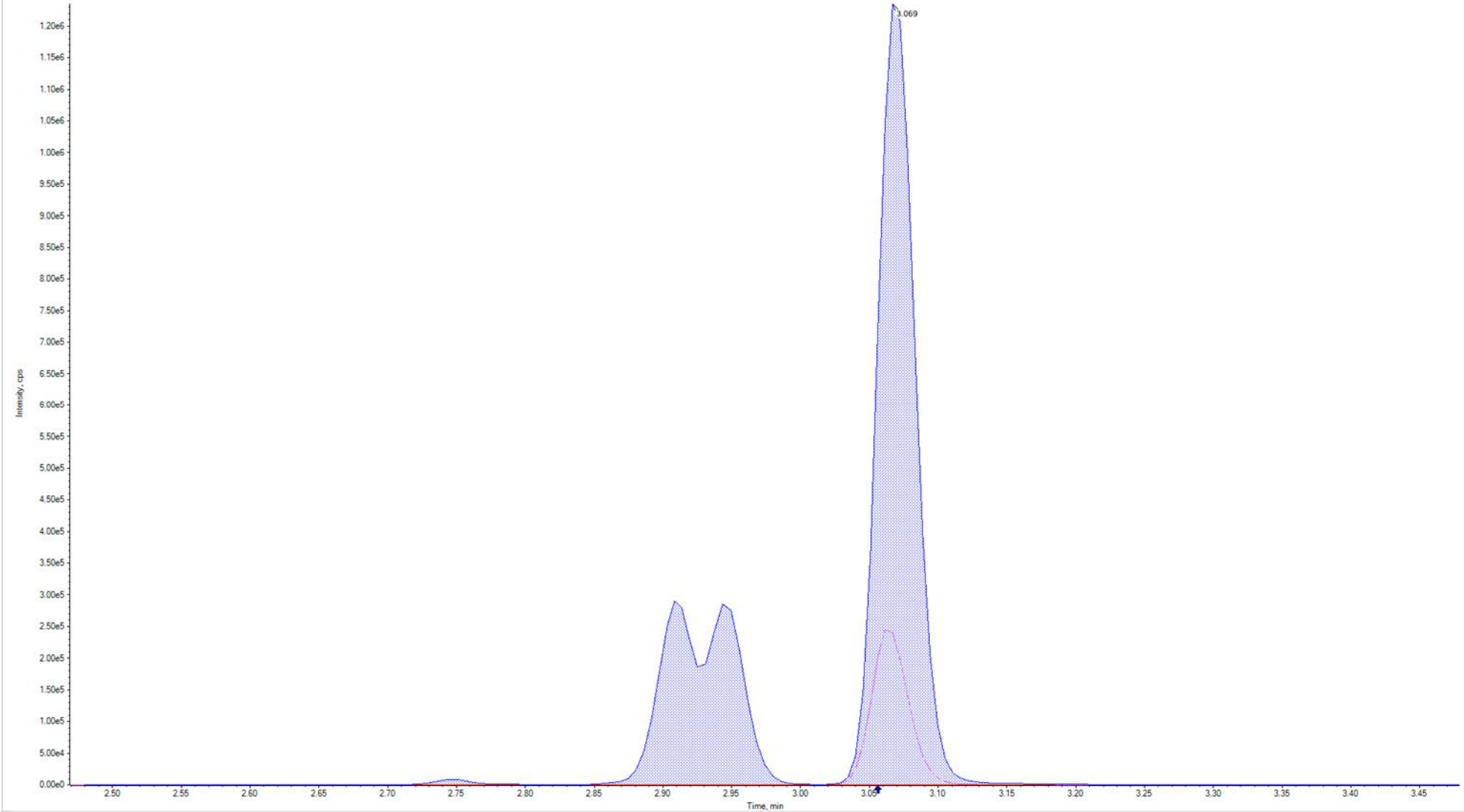
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PFHpA_2
Sample: IA1633STD-25 S/N:5769.4 Points Across peak:28



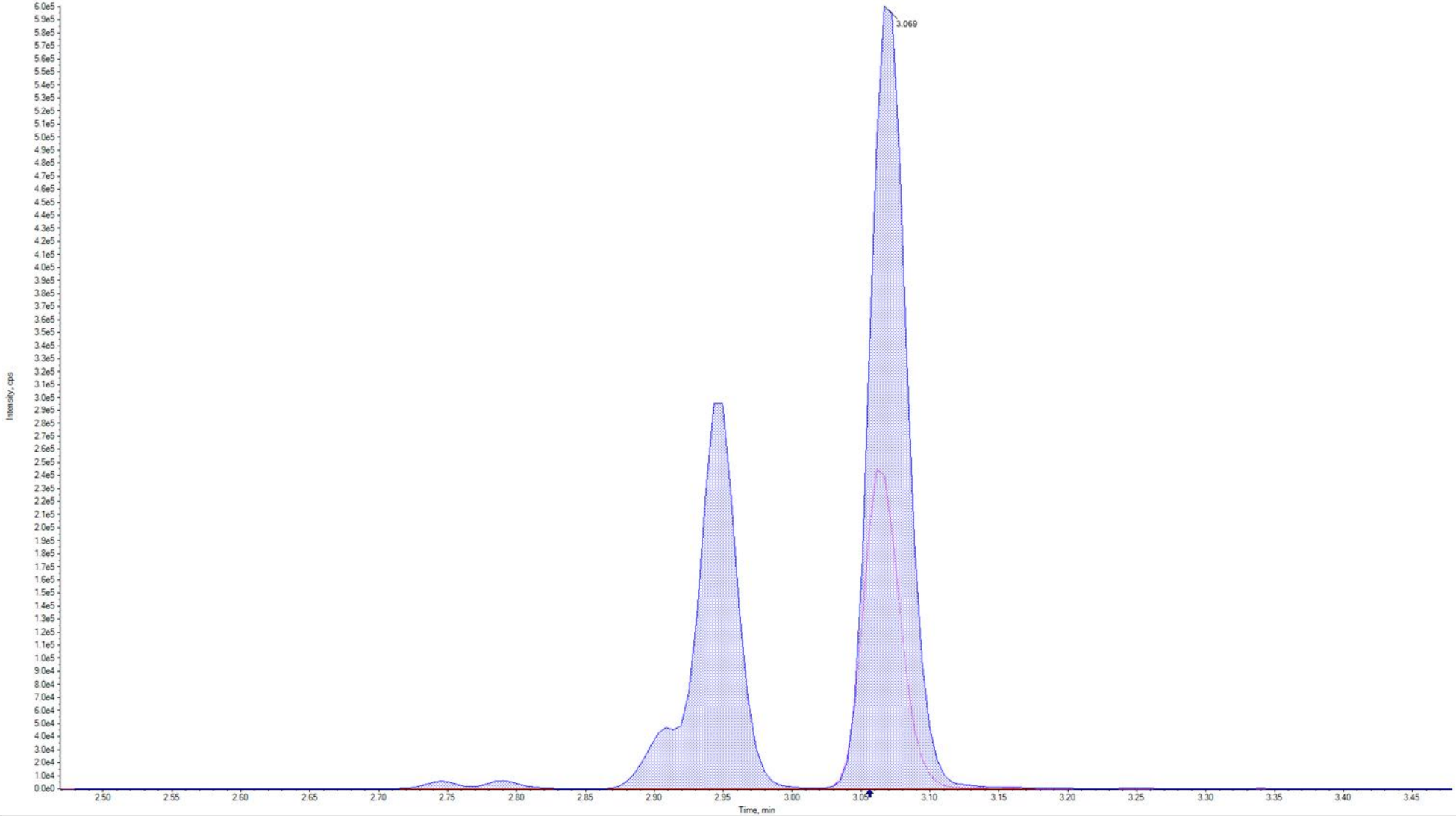
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PFOA
Sample: IA1633STD-25 S/N:688.0 Points Across peak:93



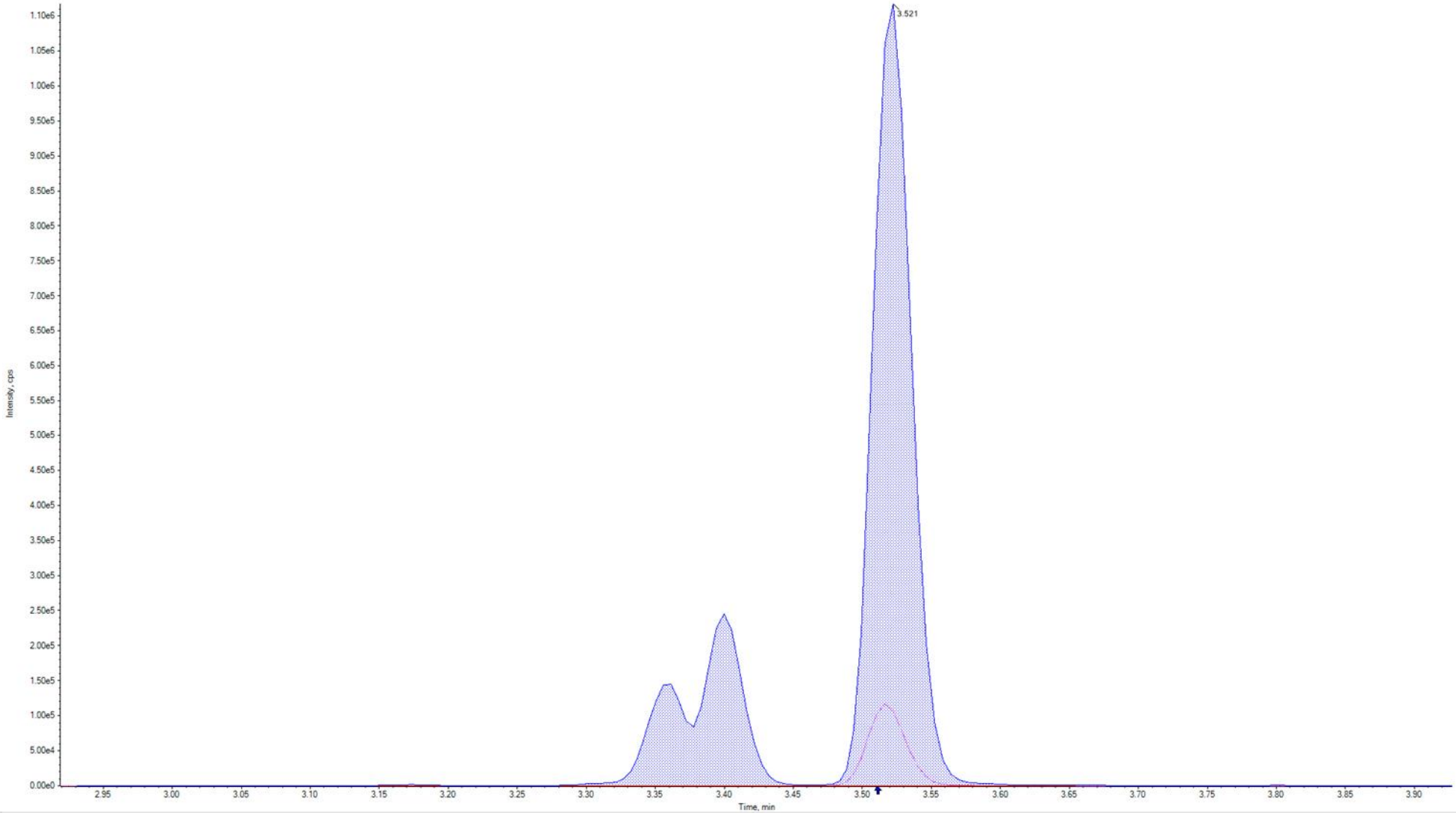
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PFOA_2
Sample: IA1633STD-25 S/N:475.0 Points Across peak:89



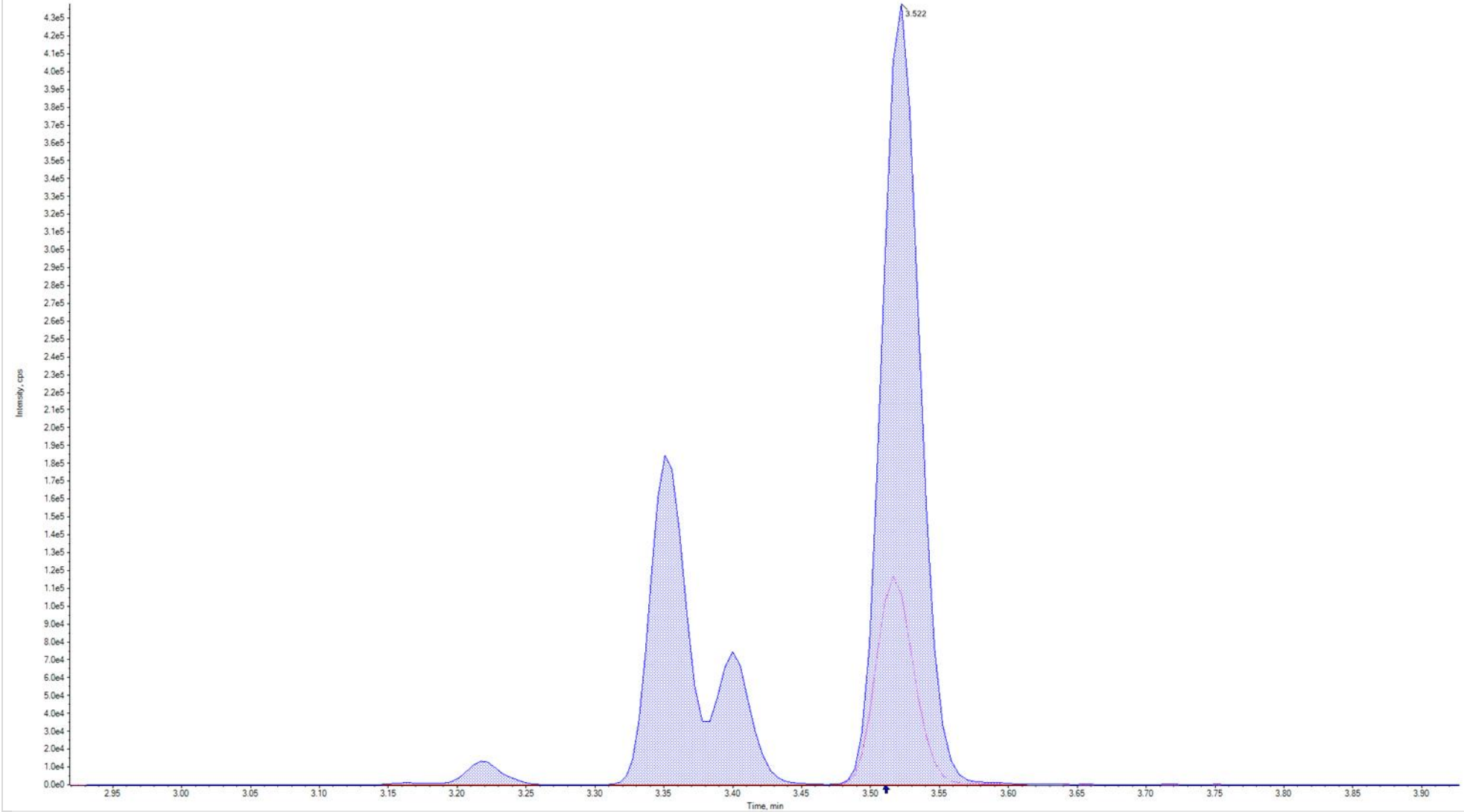
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Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_17.wiff2_7
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFNA
Sample: IA1633STD-25 S/N:812.7 Points Across peak:99



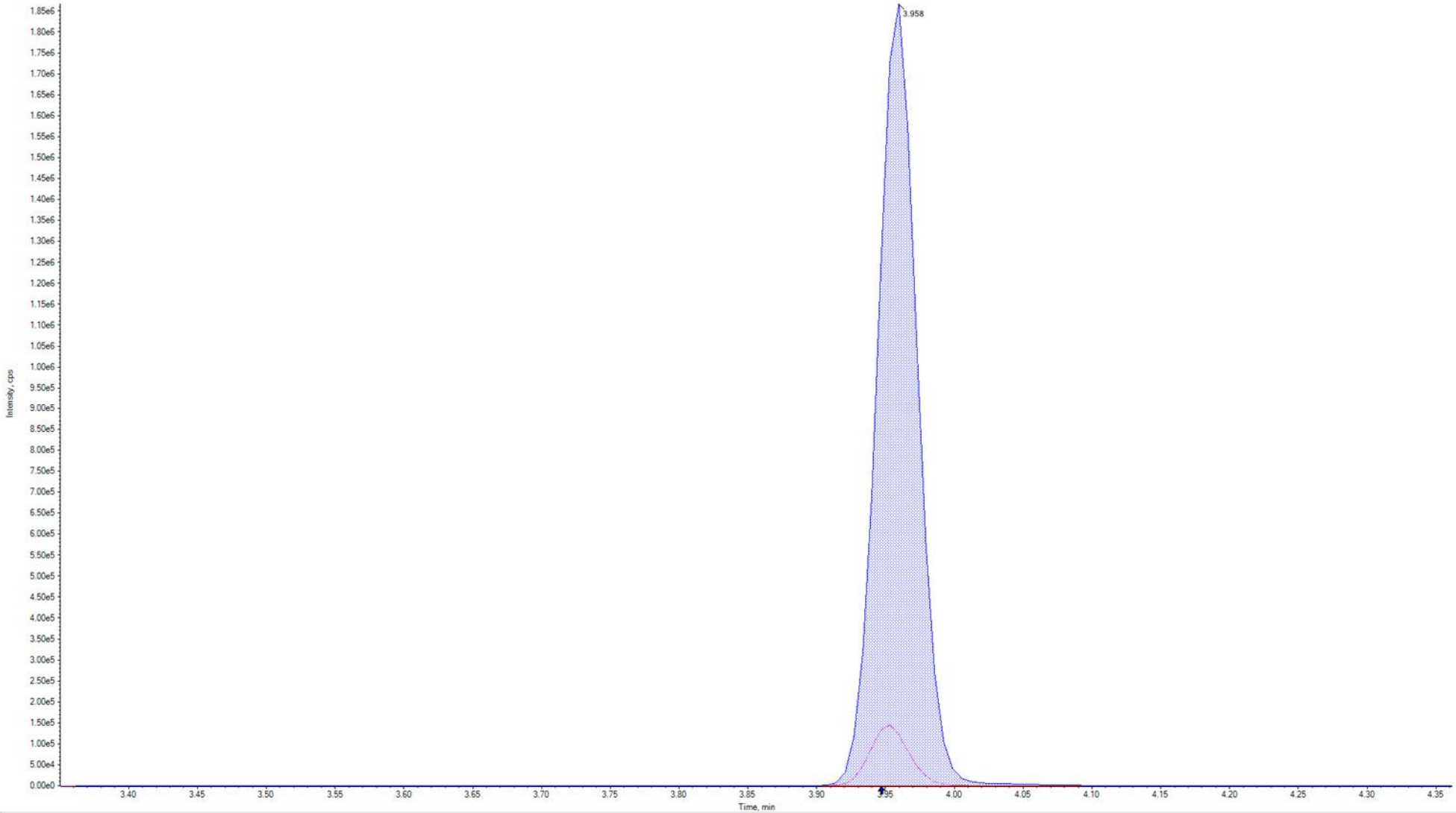
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_17.wiff2_7
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFNA_2
Sample: IA1633STD-25 S/N:413.7 Points Across peak:92



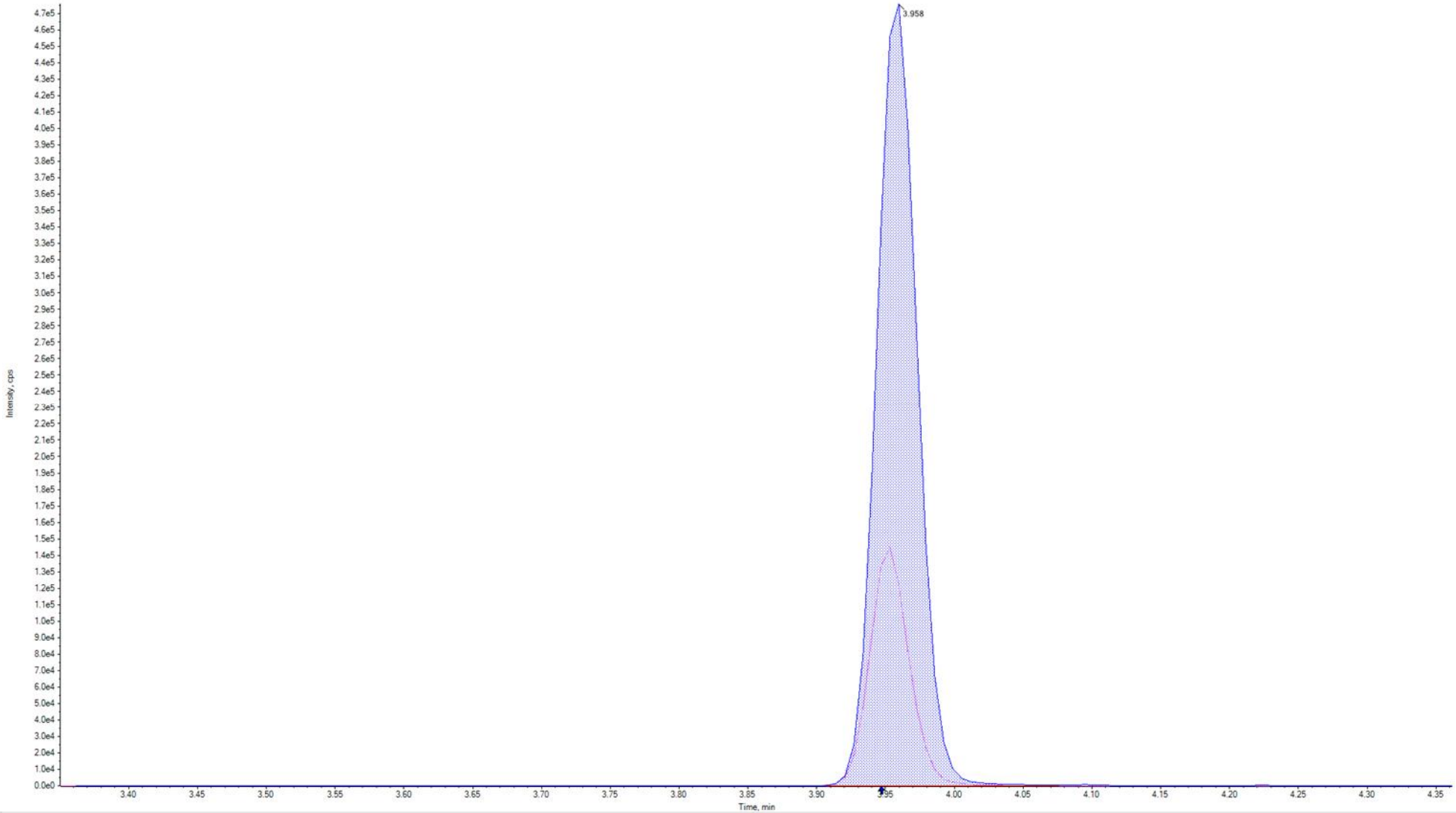
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFDA
Sample: IA1633STD-25 S/N:4773.7 Points Across peak:40



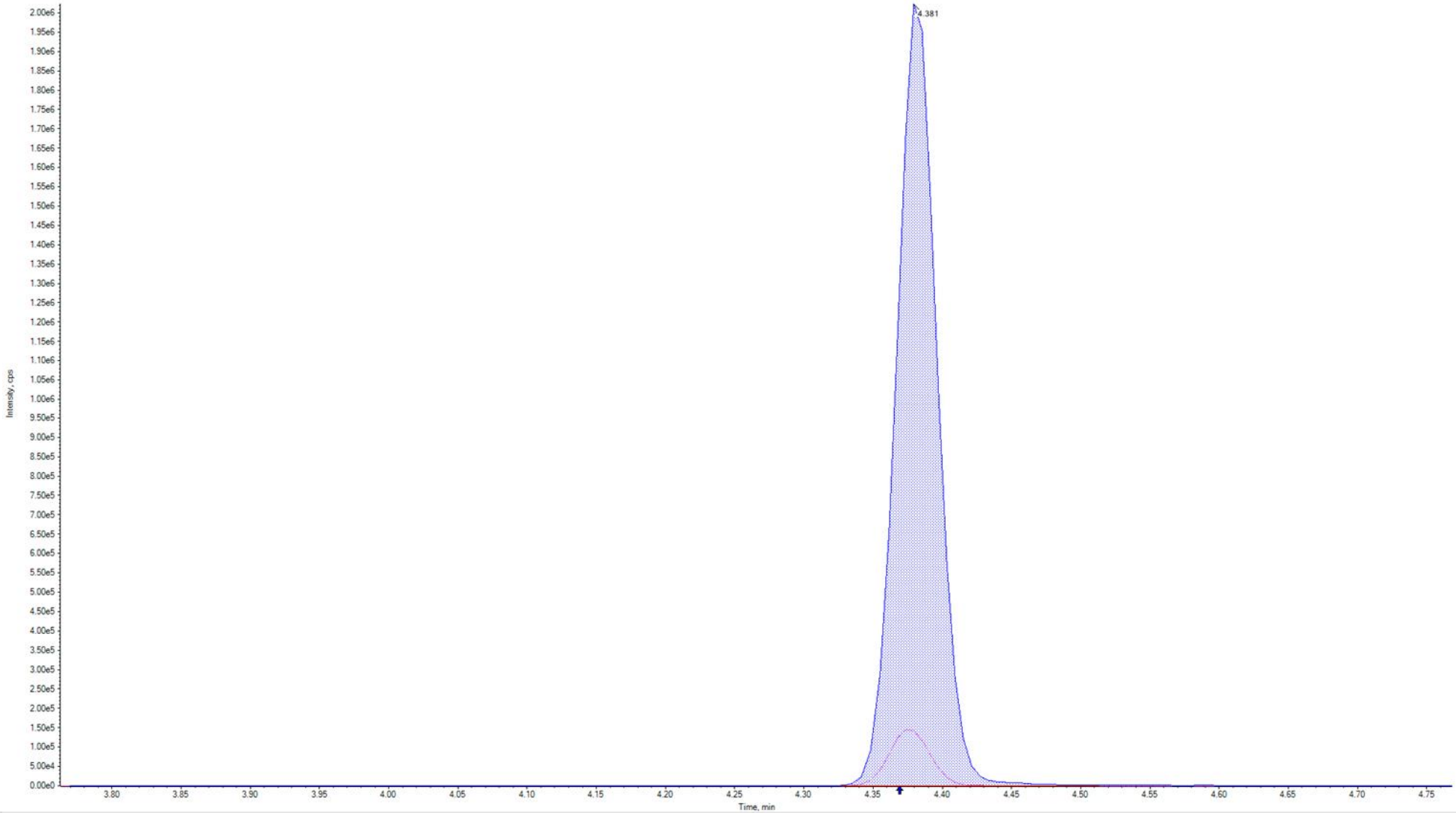
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFDA_2
Sample: IA1633STD-25 S/N:6246.7 Points Across peak:31



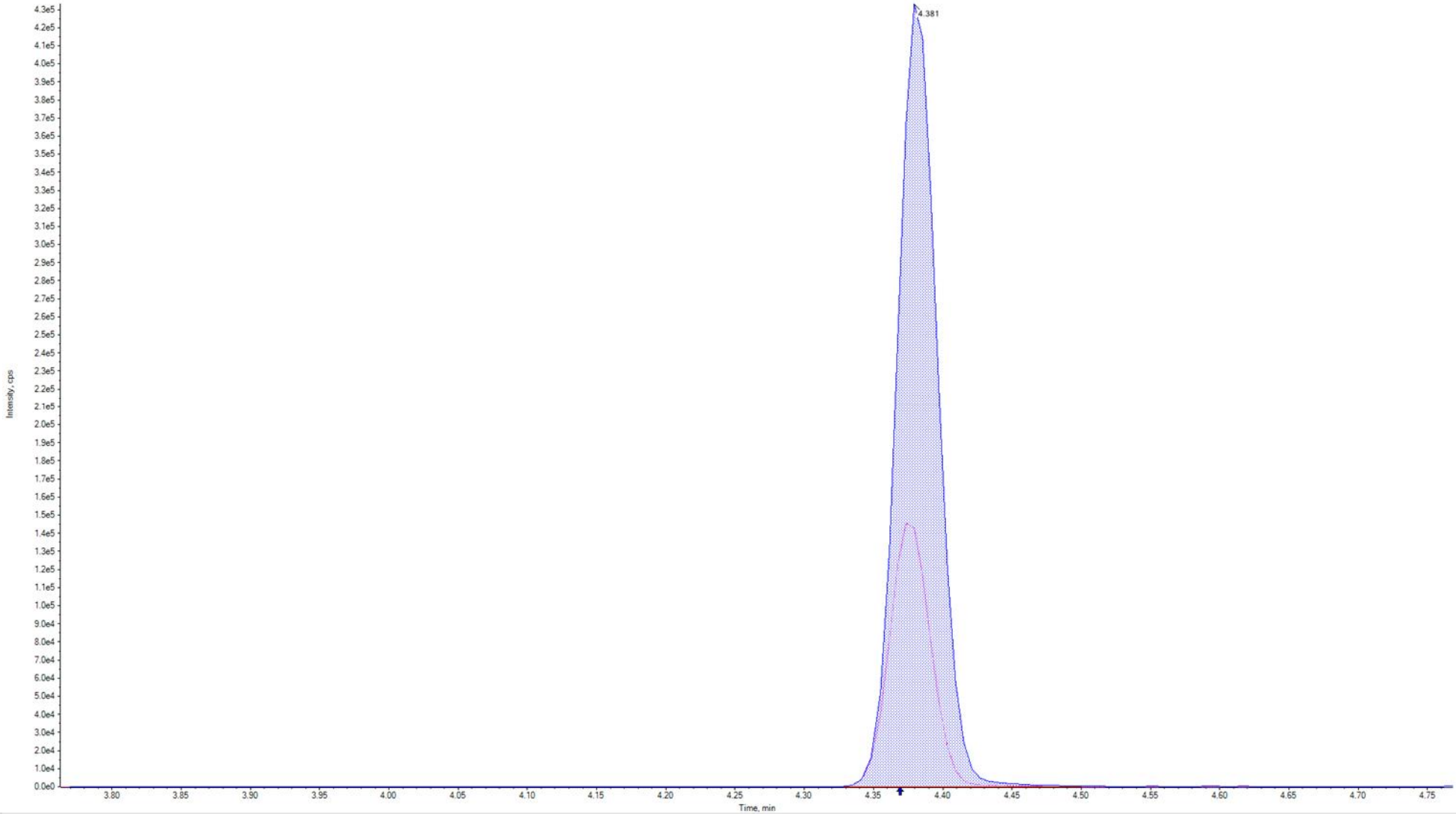
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFUnA
Sample: IA1633STD-25 S/N:45638.8 Points Across peak:37



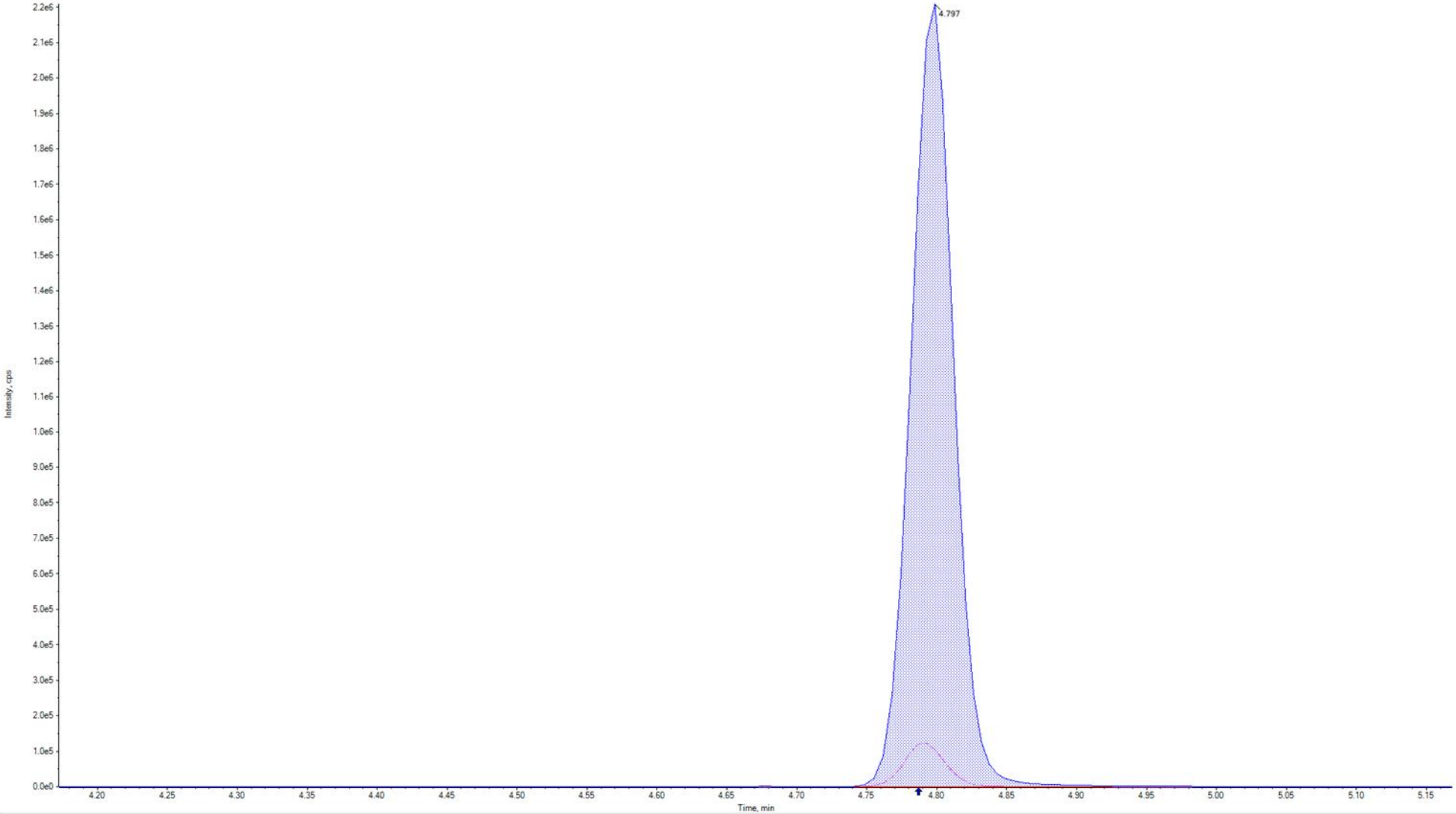
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFUnA_2
Sample: IA1633STD-25 S/N:4639.2 Points Across peak:34



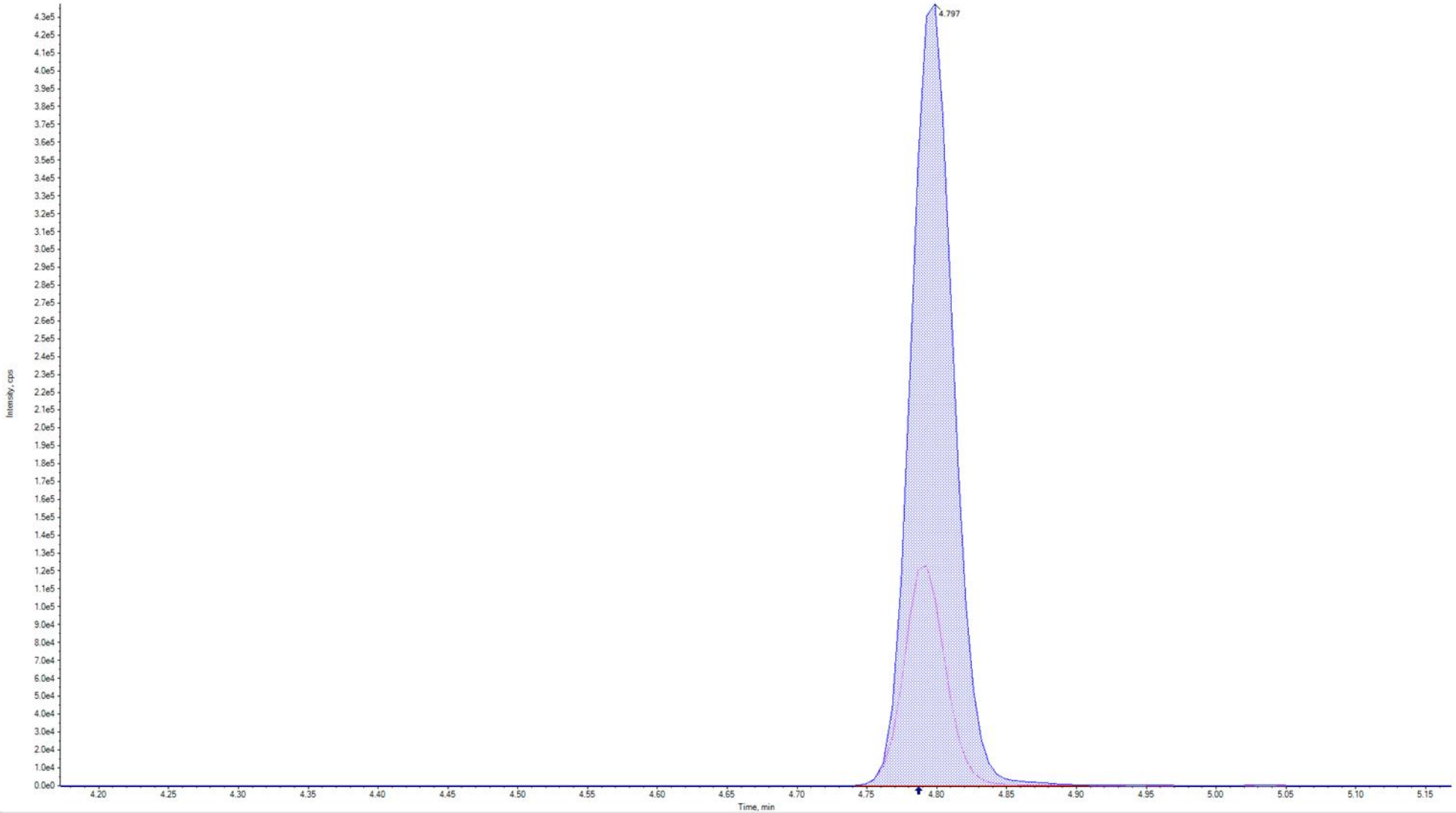
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Alpha Analytical LLC
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PFDoA
Sample: IA1633STD-25 S/N:6497.9 Points Across peak:36



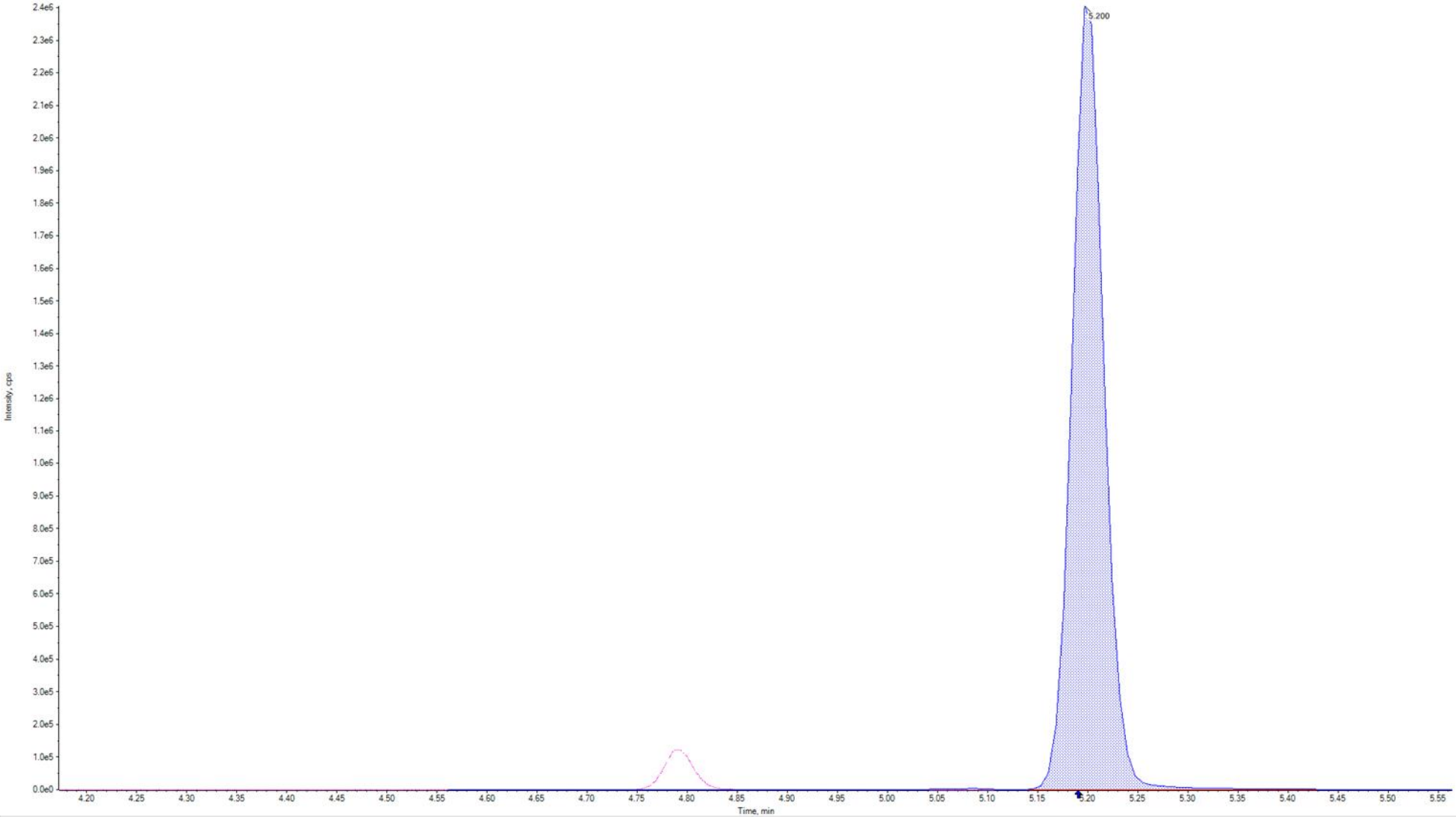
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Alpha Analytical LLC
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PFDoA_2
Sample: IA1633STD-25 S/N:12059.9 Points Across peak:35



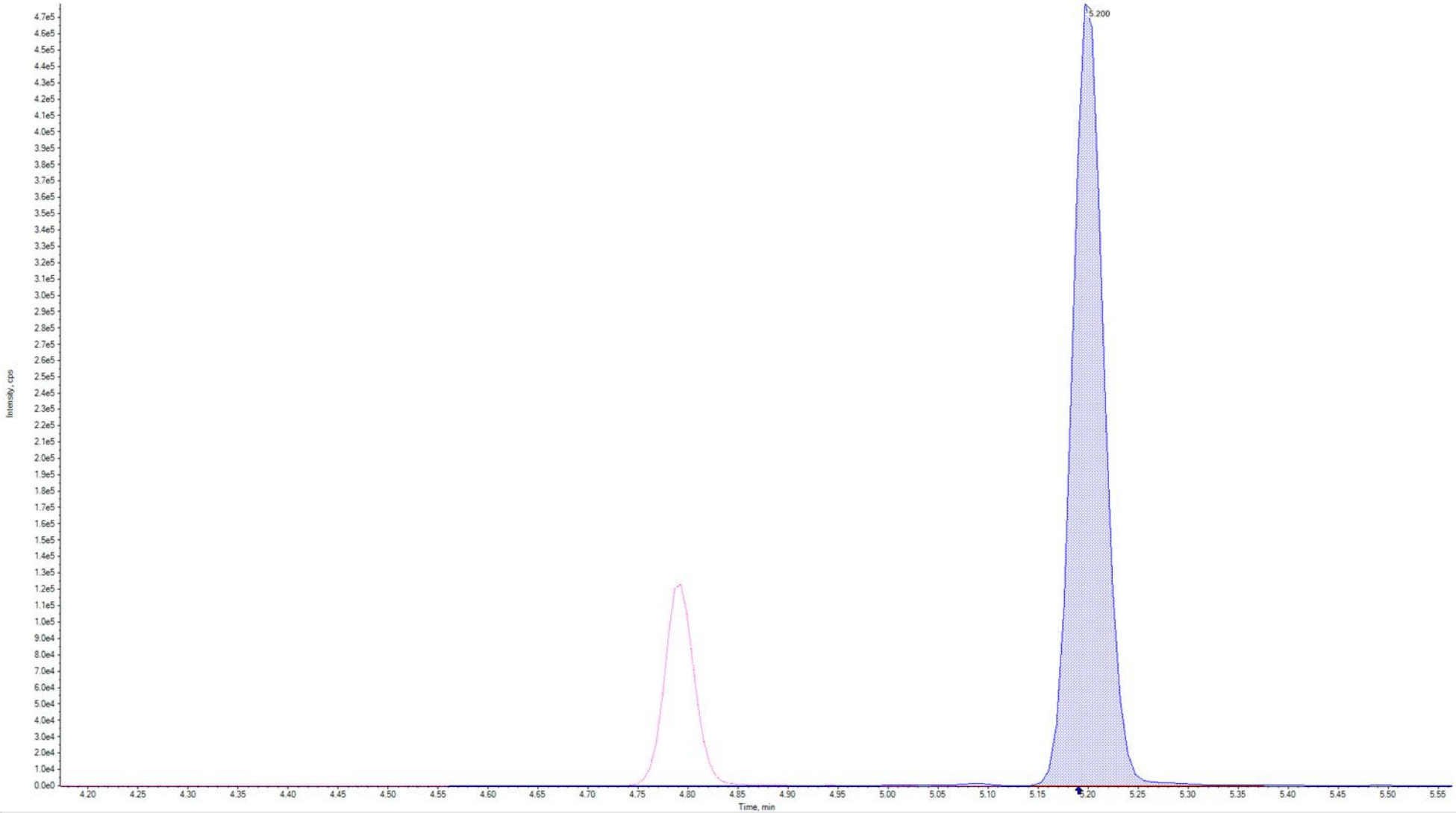
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Alpha Analytical LLC
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PFTrDA
Sample: IA1633STD-25 S/N:96430.1 Points Across peak:41



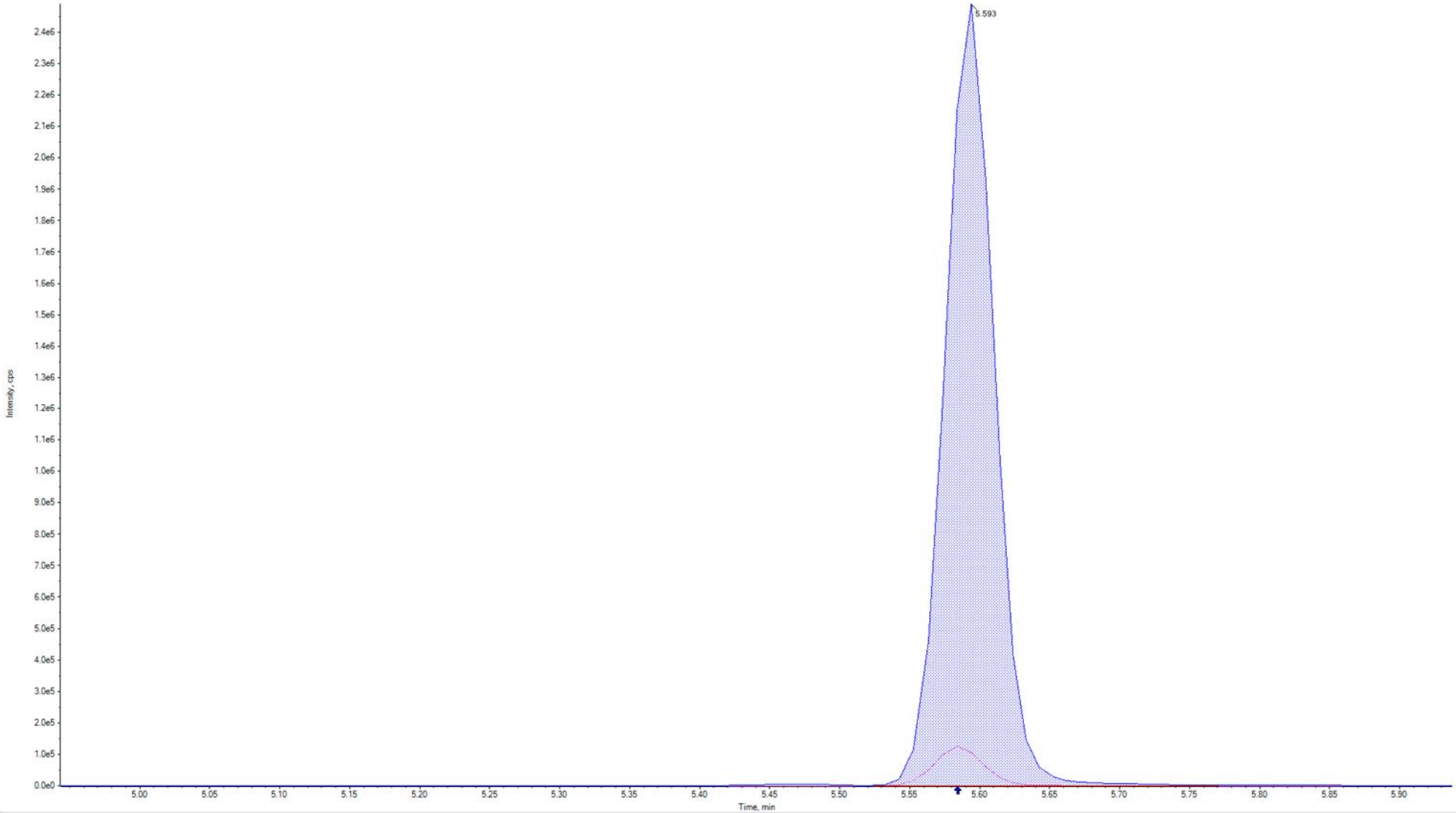
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFTrDA_2
Sample: IA1633STD-25 S/N:4439.9 Points Across peak:32



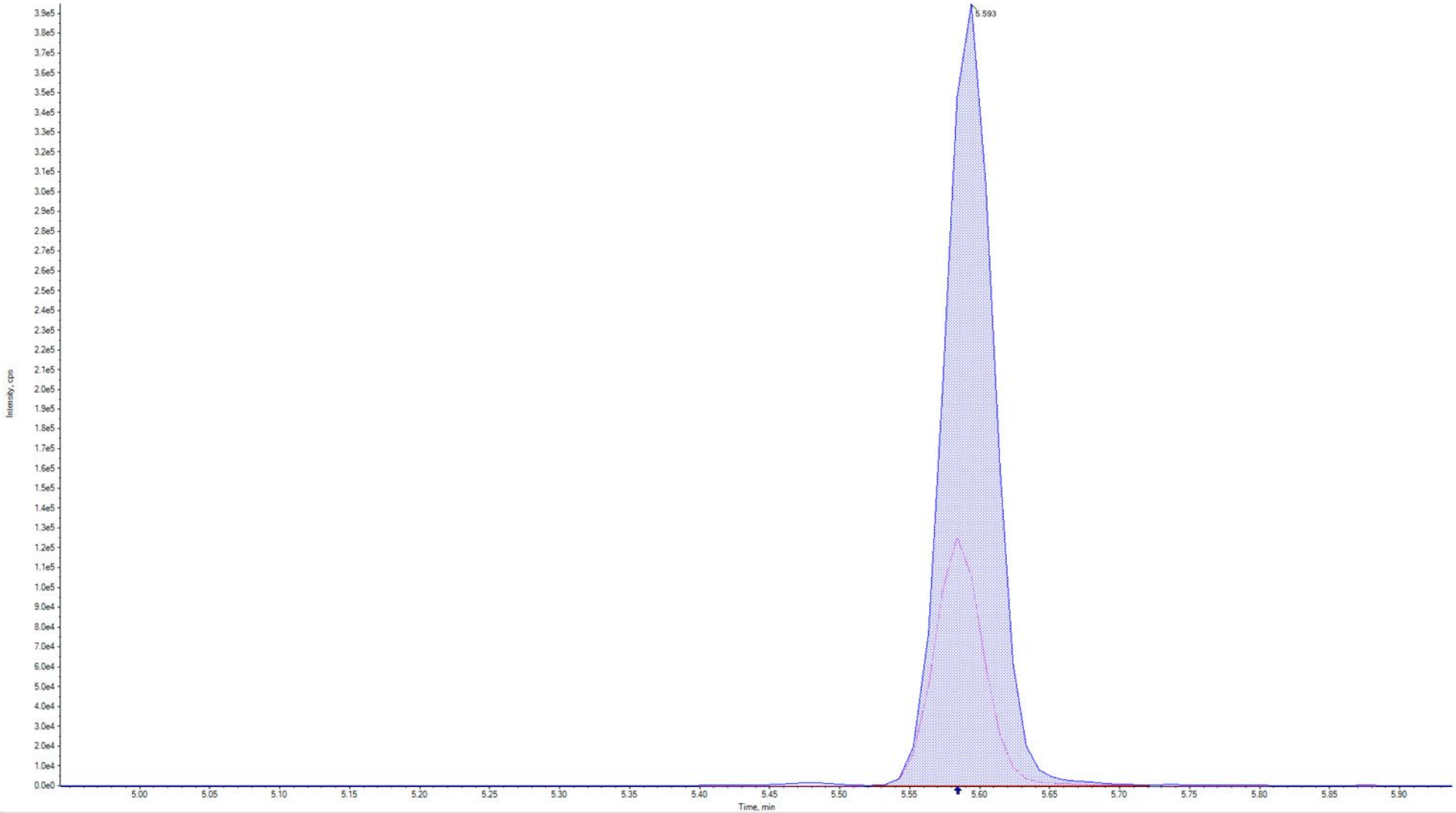
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Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

PFTeDA
Sample: IA1633STD-25 S/N:18697.0 Points Across peak:27



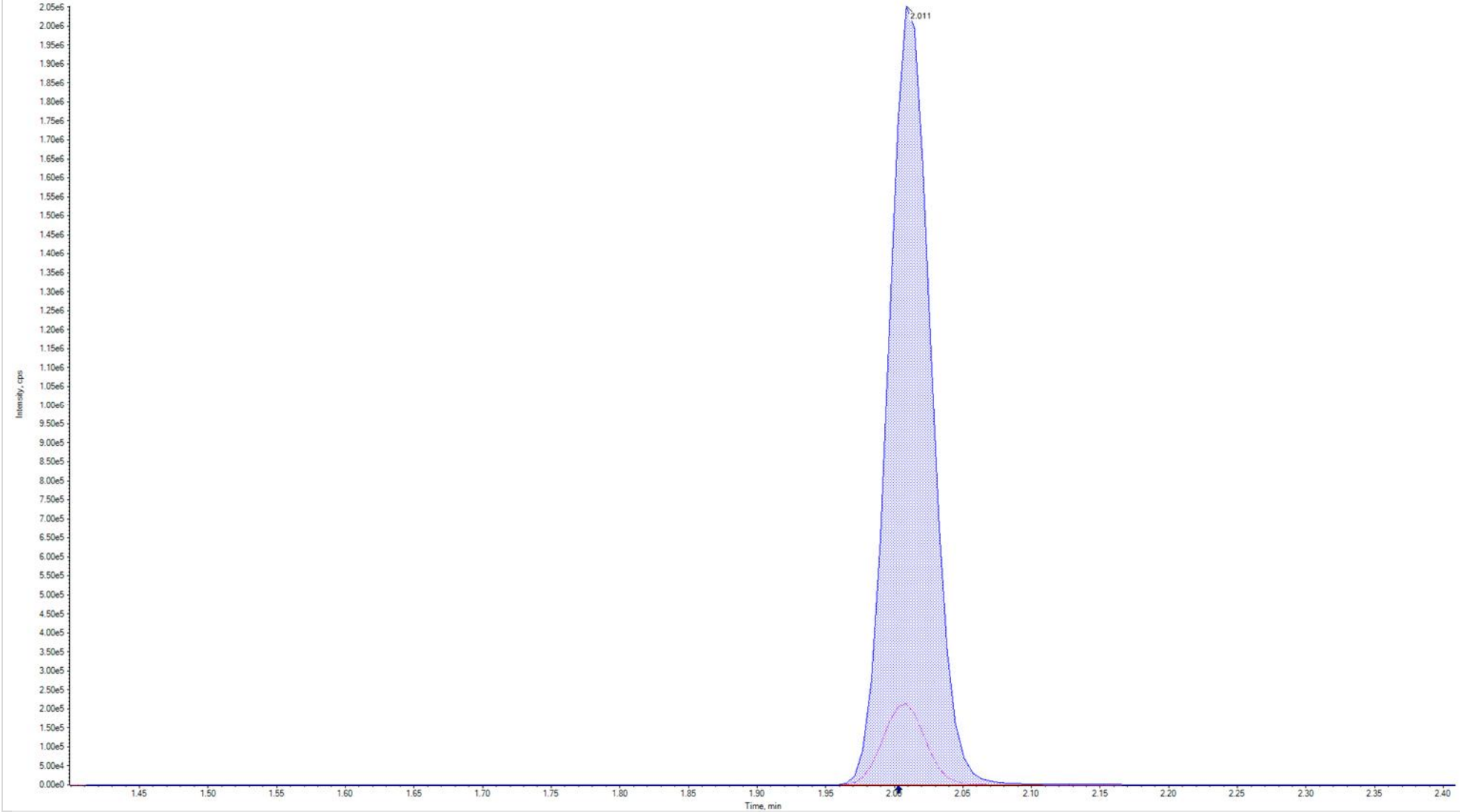
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFTeDA_2
Sample: IA1633STD-25 S/N:24735.1 Points Across peak:22



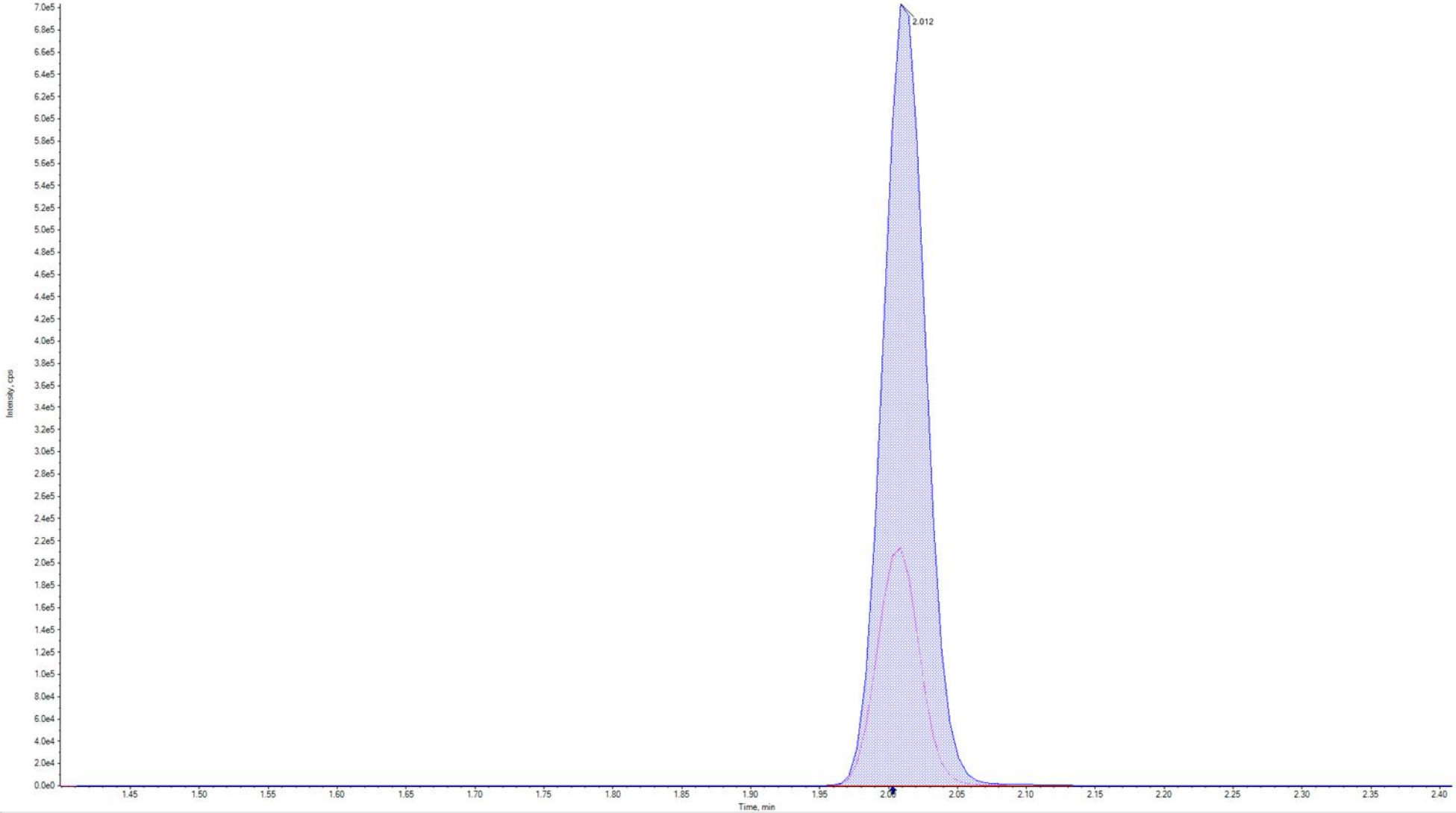
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Generated: 12/16/2024 4:06:13 PM

PFBS
Sample: IA1633STD-25 S/N:51449.1 Points Across peak:27



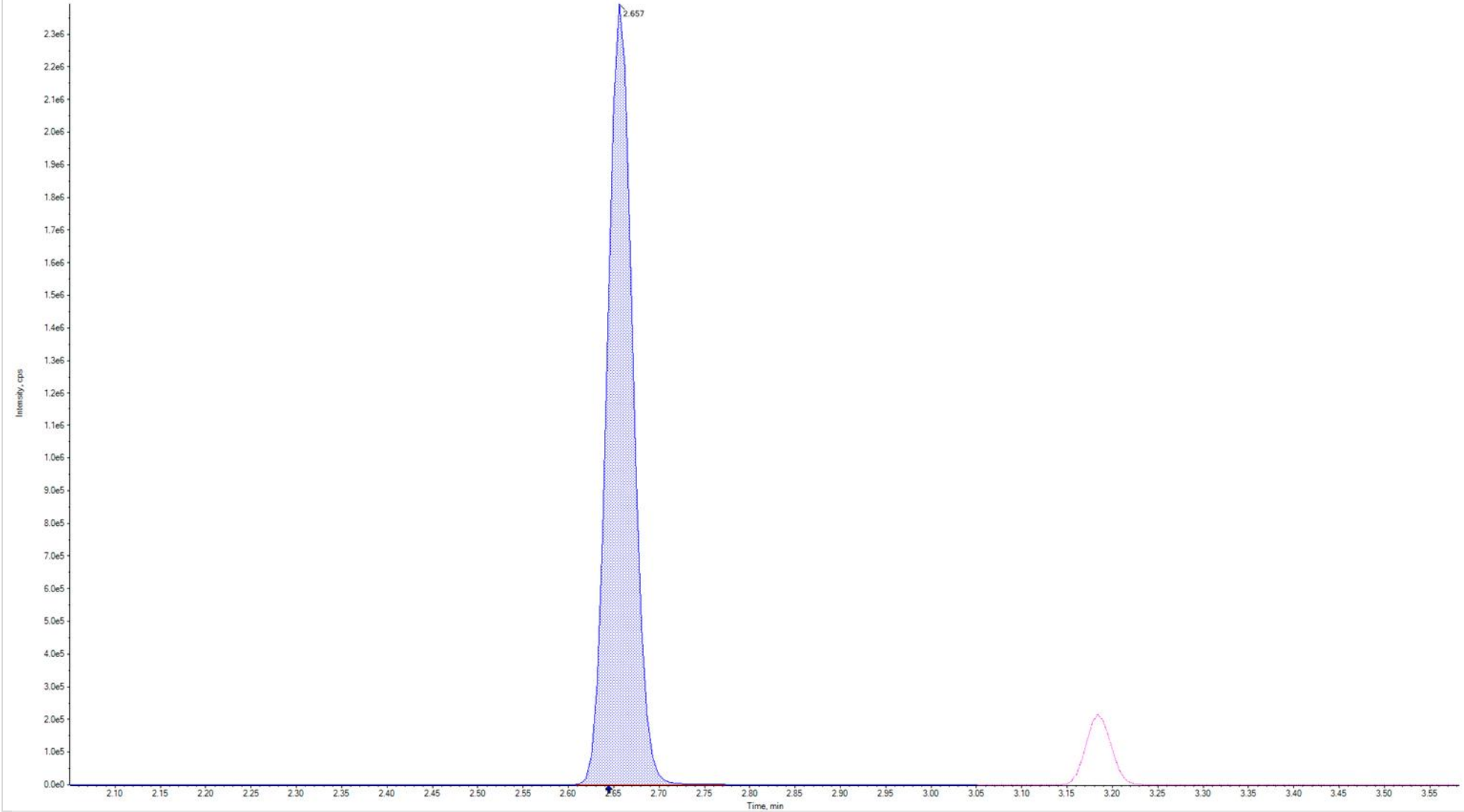
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFBS_2
Sample: IA1633STD-25 S/N:6290.0 Points Across peak:43



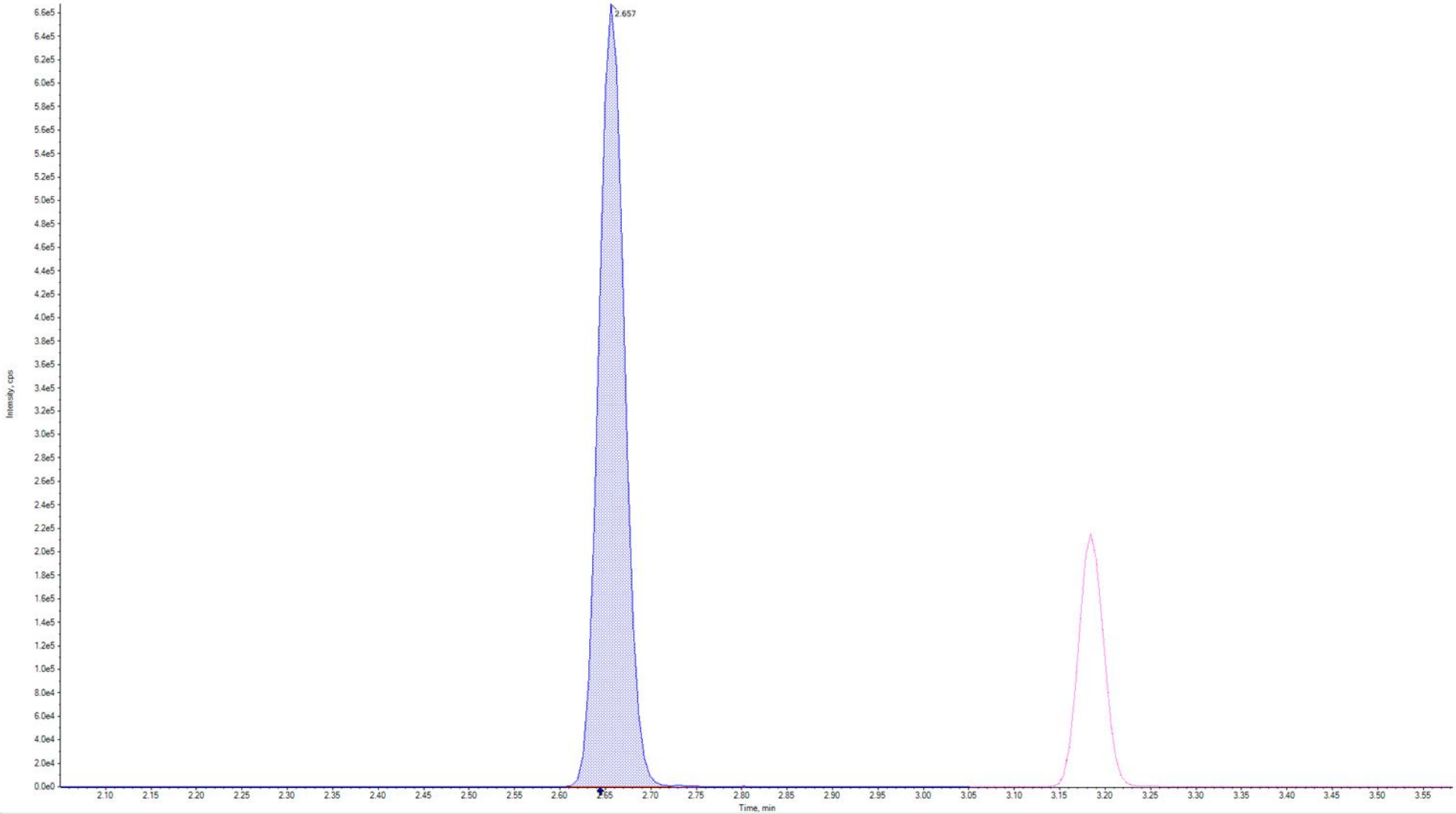
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Generated: 12/16/2024 4:06:13 PM

PFPeS
Sample: IA1633STD-25 S/N:6462.4 Points Across peak:42



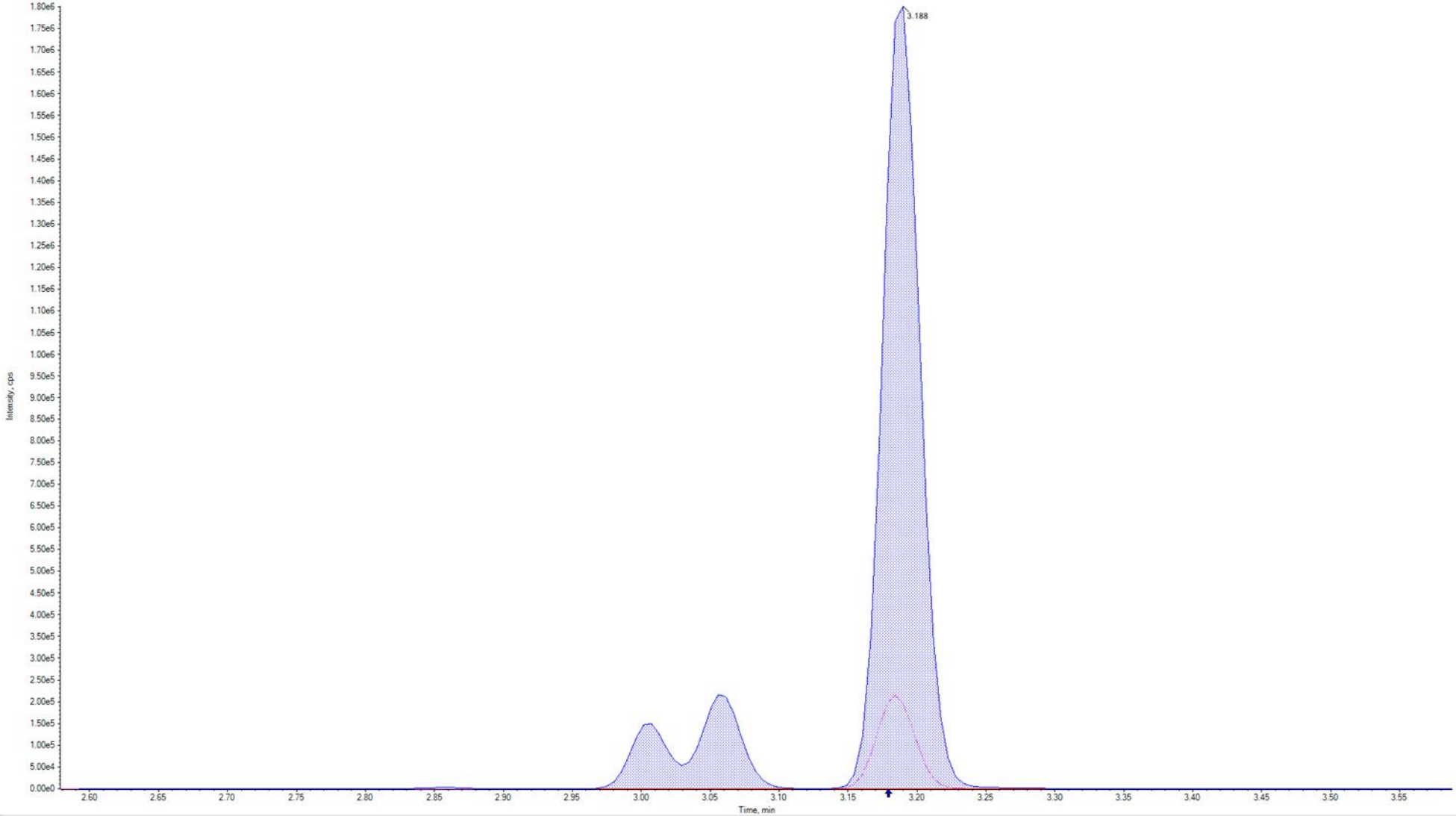
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Generated: 12/16/2024 4:06:13 PM

PFPeS_2
Sample: IA1633STD-25 S/N:5168.5 Points Across peak:23



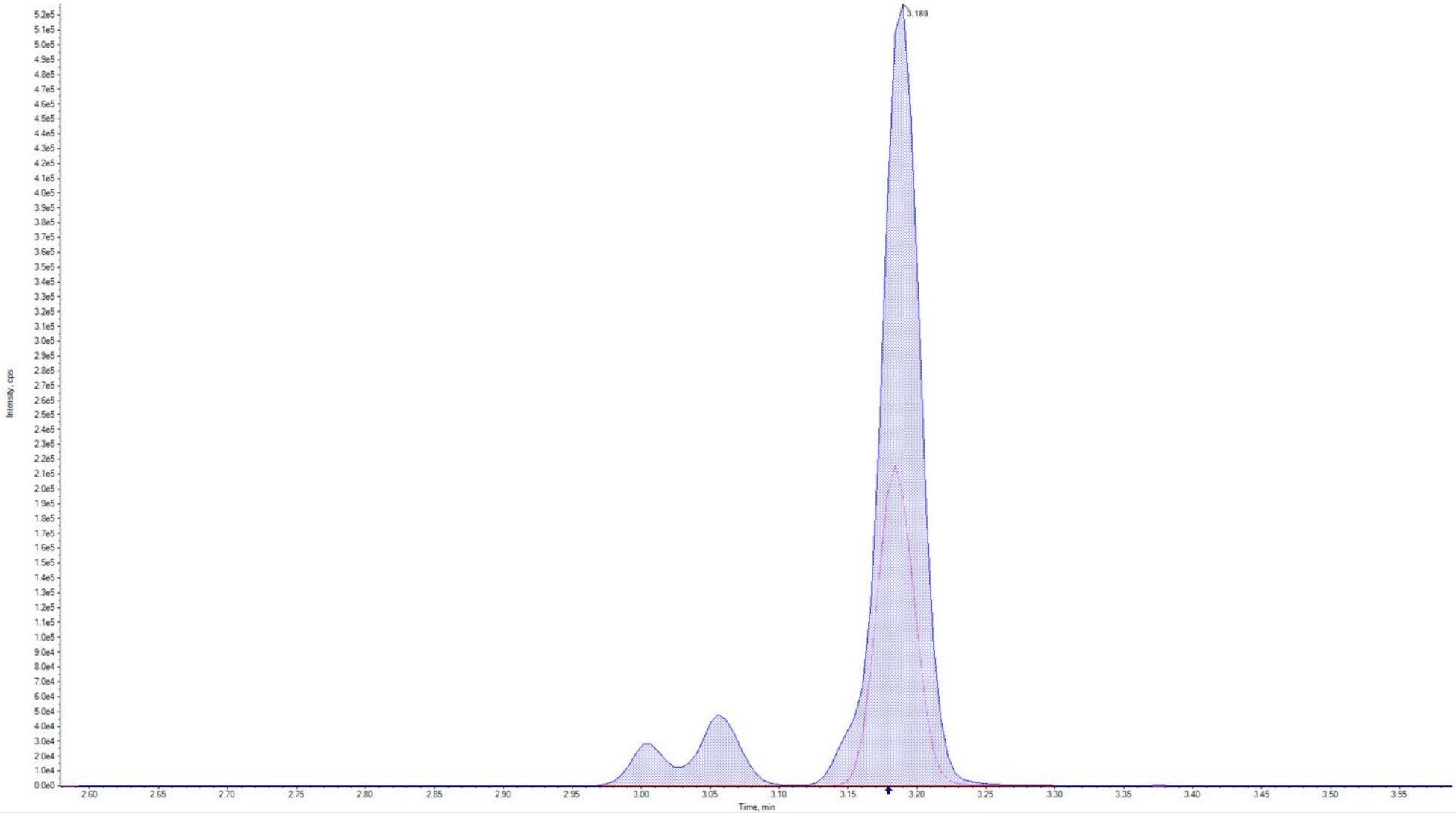
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Alpha Analytical LLC
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PFHxS
Sample: IA1633STD-25 S/N:1122.8 Points Across peak:64



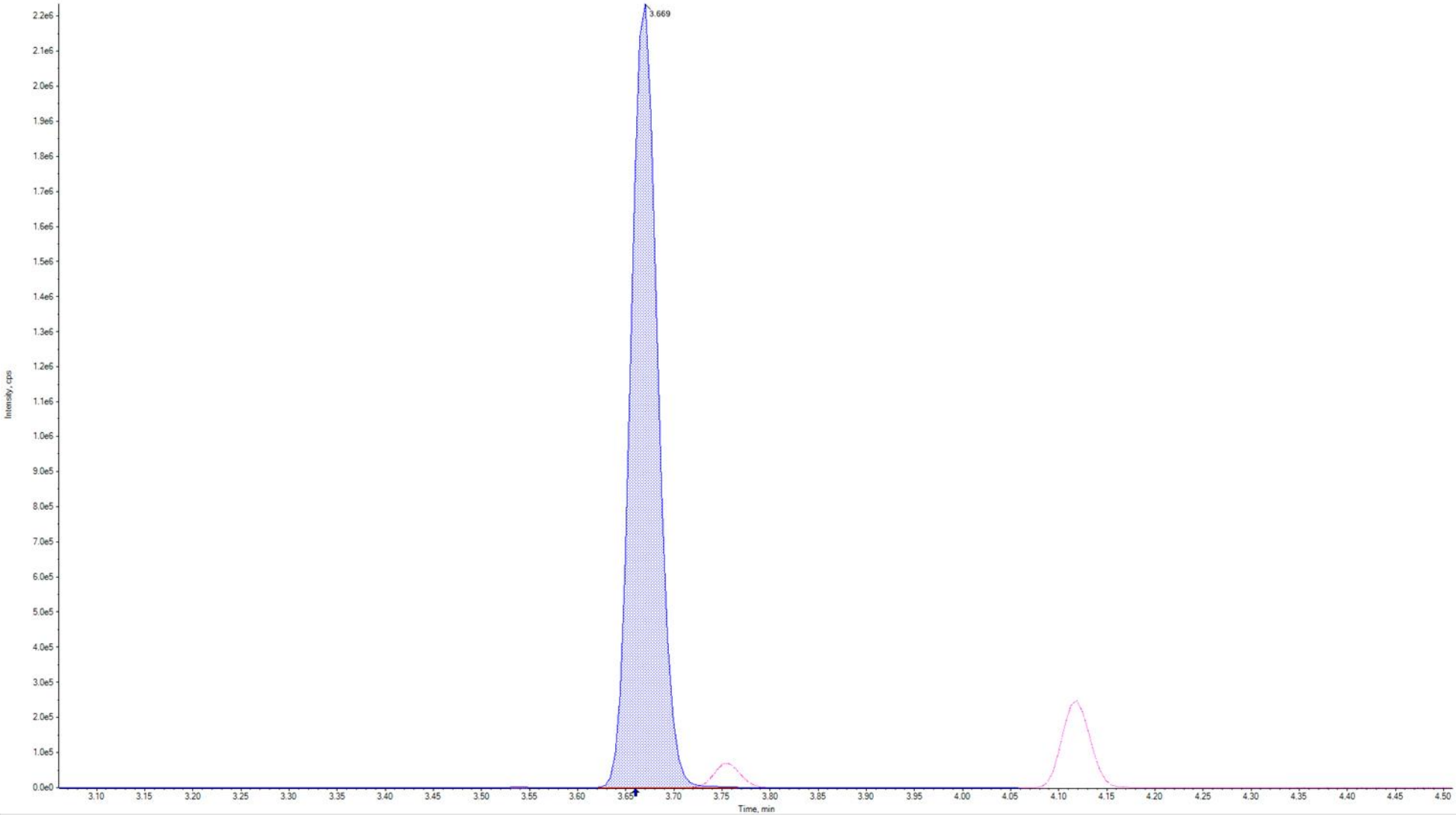
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Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

PFHxS_2
Sample: IA1633STD-25 S/N:1111.2 Points Across peak:65



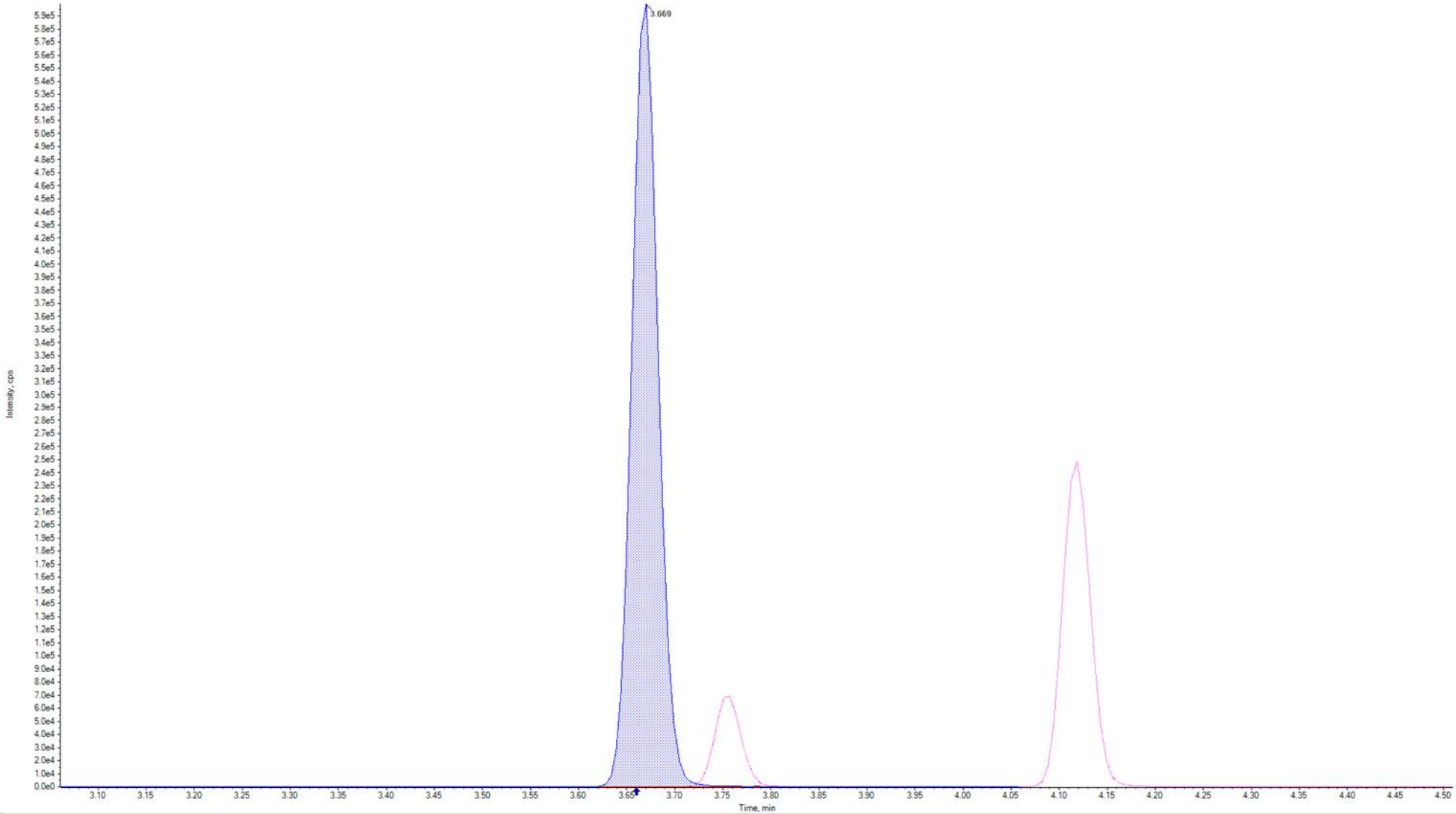
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFHpS
Sample: IA1633STD-25 S/N:8682.8 Points Across peak:35



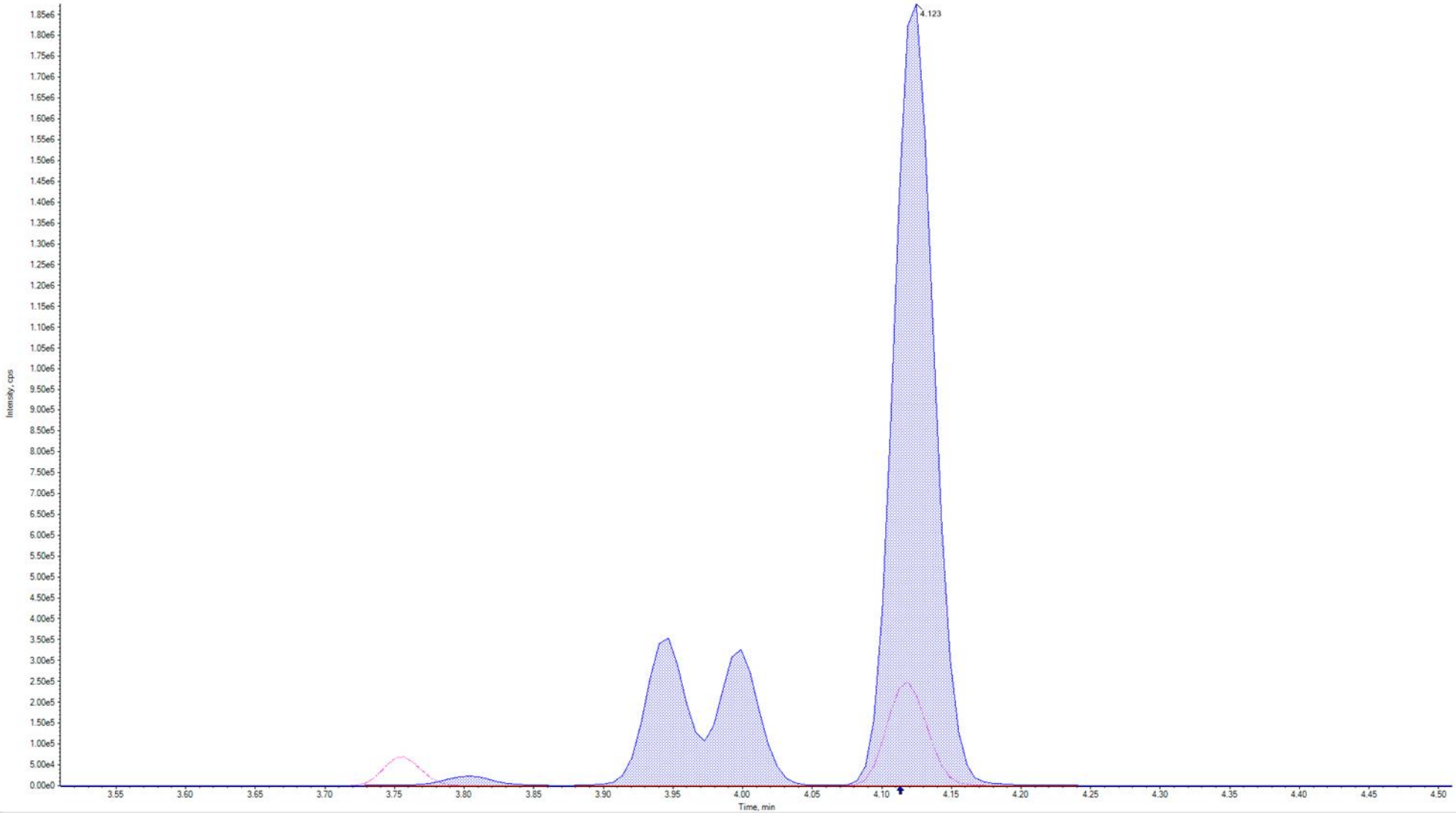
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Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

PFHpS_2
Sample: IA1633STD-25 S/N:7752.9 Points Across peak:41



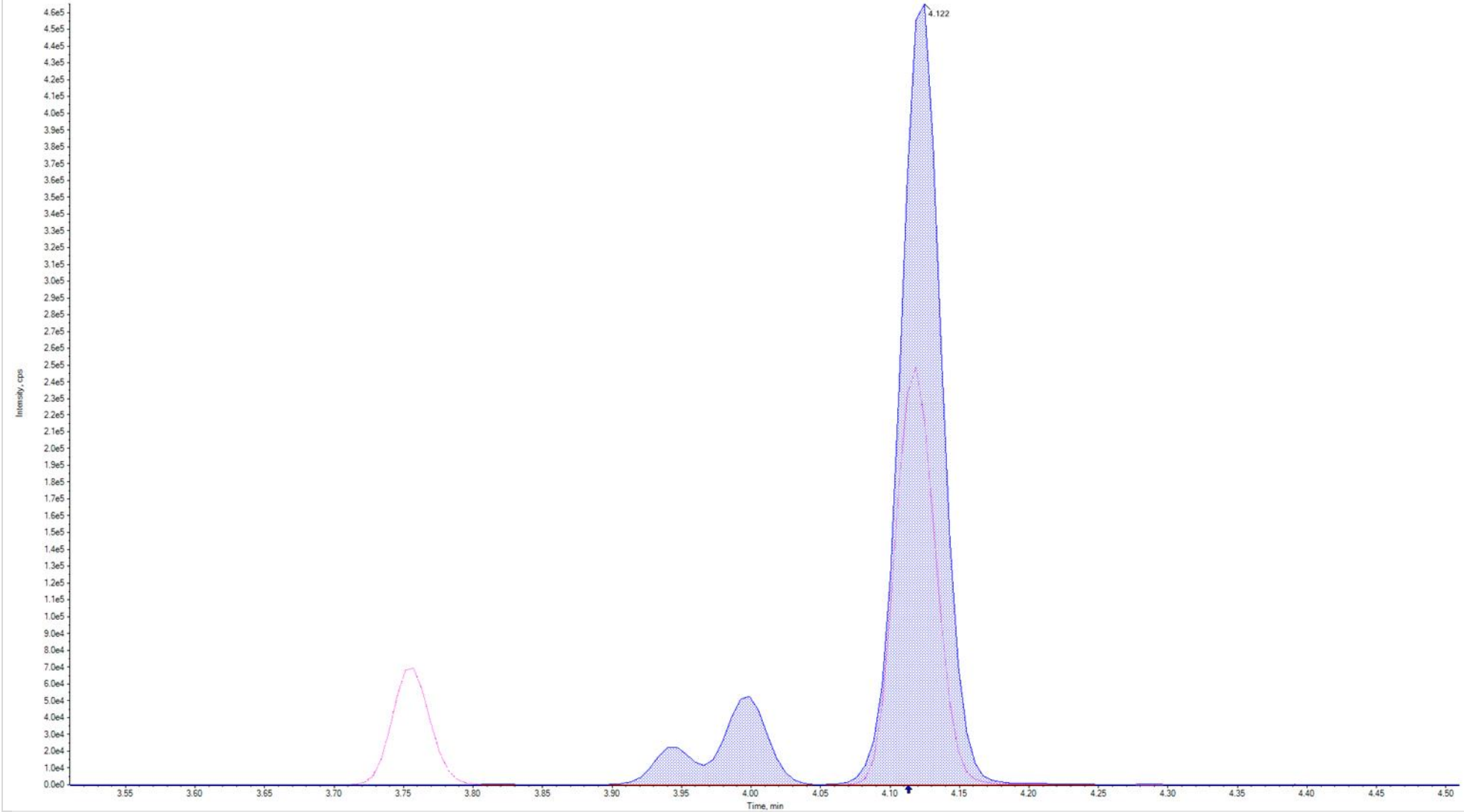
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Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

PFOS
Sample: IA1633STD-25 S/N:607.5 Points Across peak:89



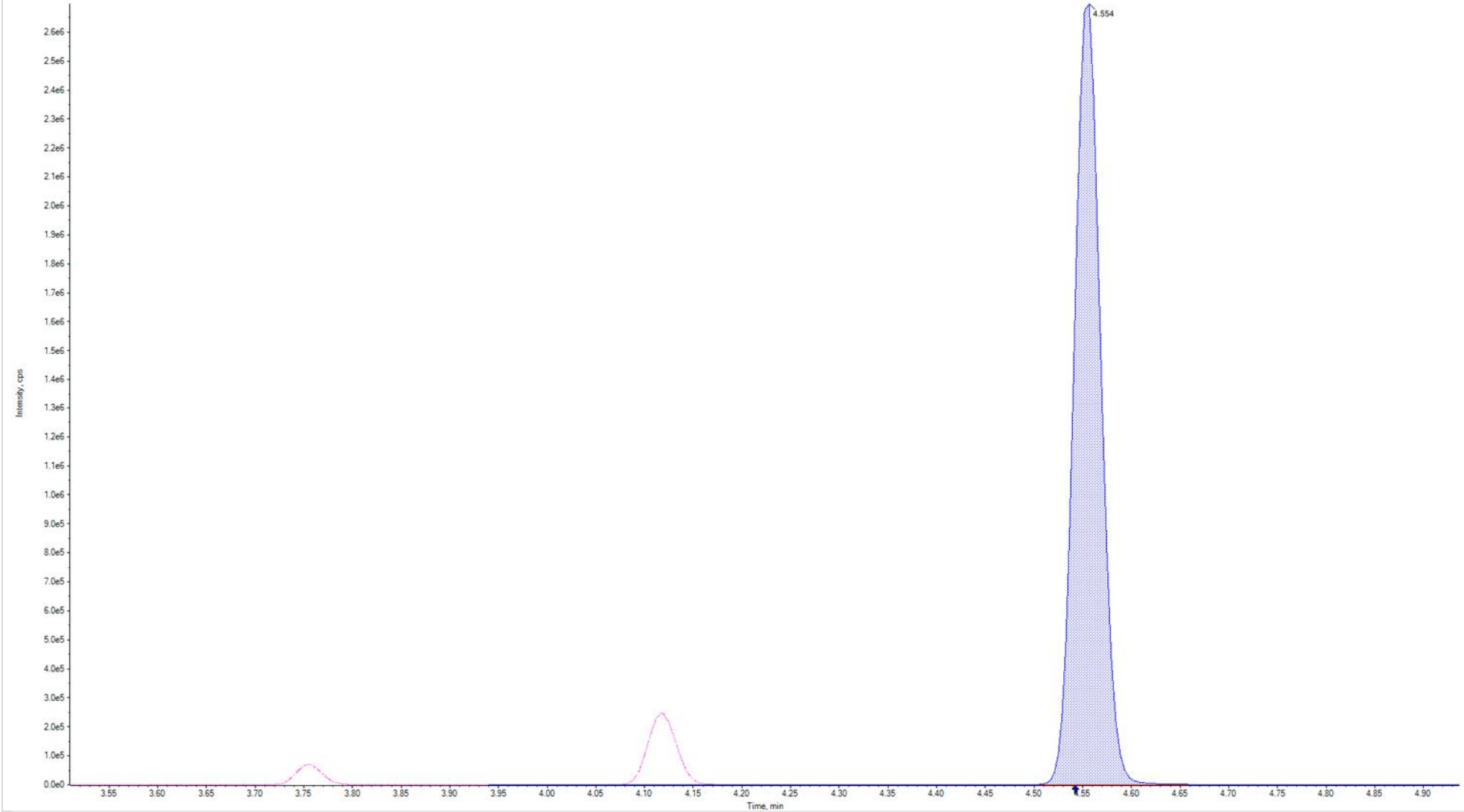
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PFOS_2
Sample: IA1633STD-25 S/N:1025.4 Points Across peak:73



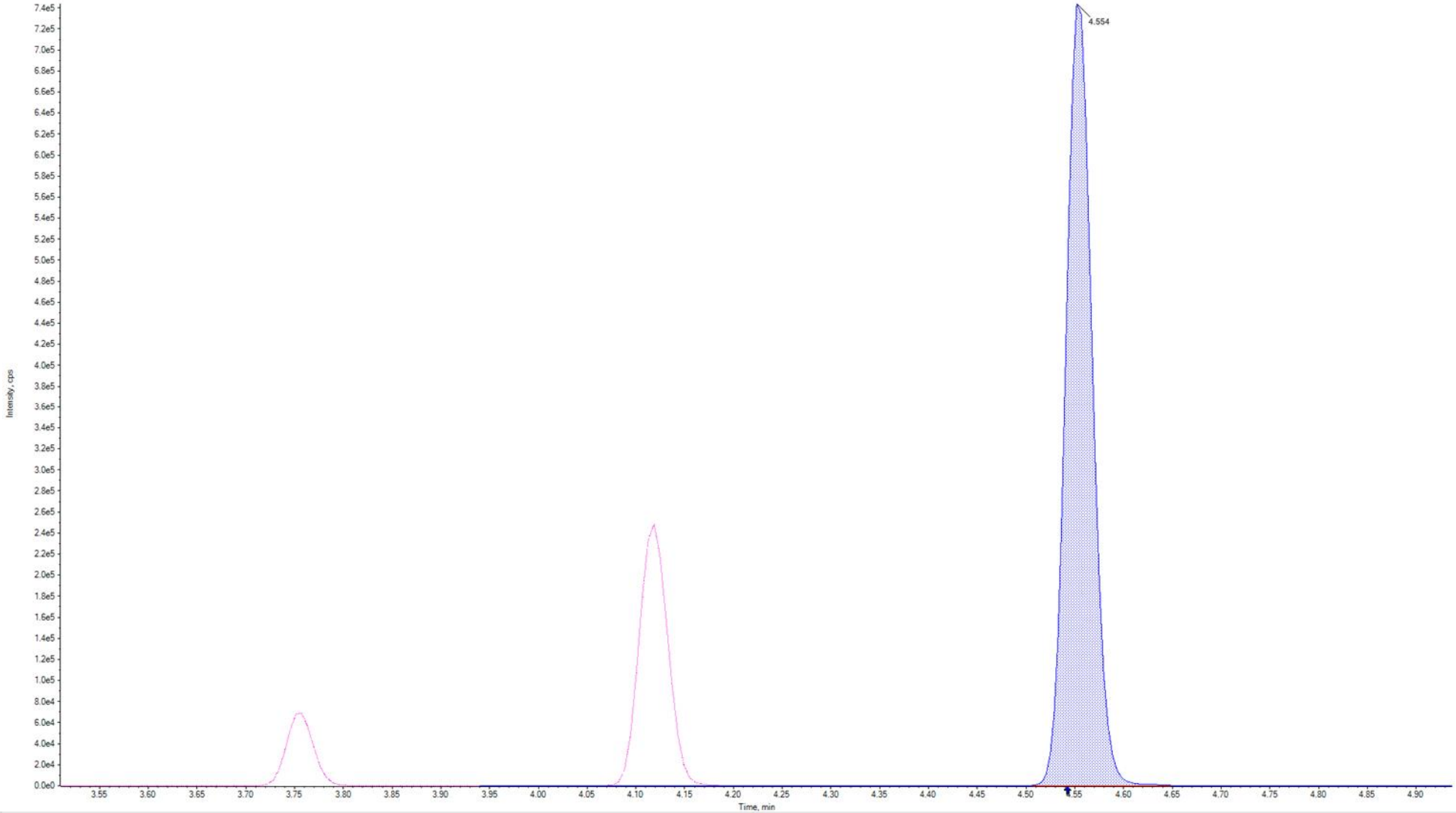
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Generated: 12/16/2024 4:06:13 PM

PFNS
Sample: IA1633STD-25 S/N:7191.2 Points Across peak:50



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_17.wiff2_7
Last Altered: 12/16/2024 8:11:58 PM
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PFNS_2
Sample: IA1633STD-25 S/N:9033.6 Points Across peak:40



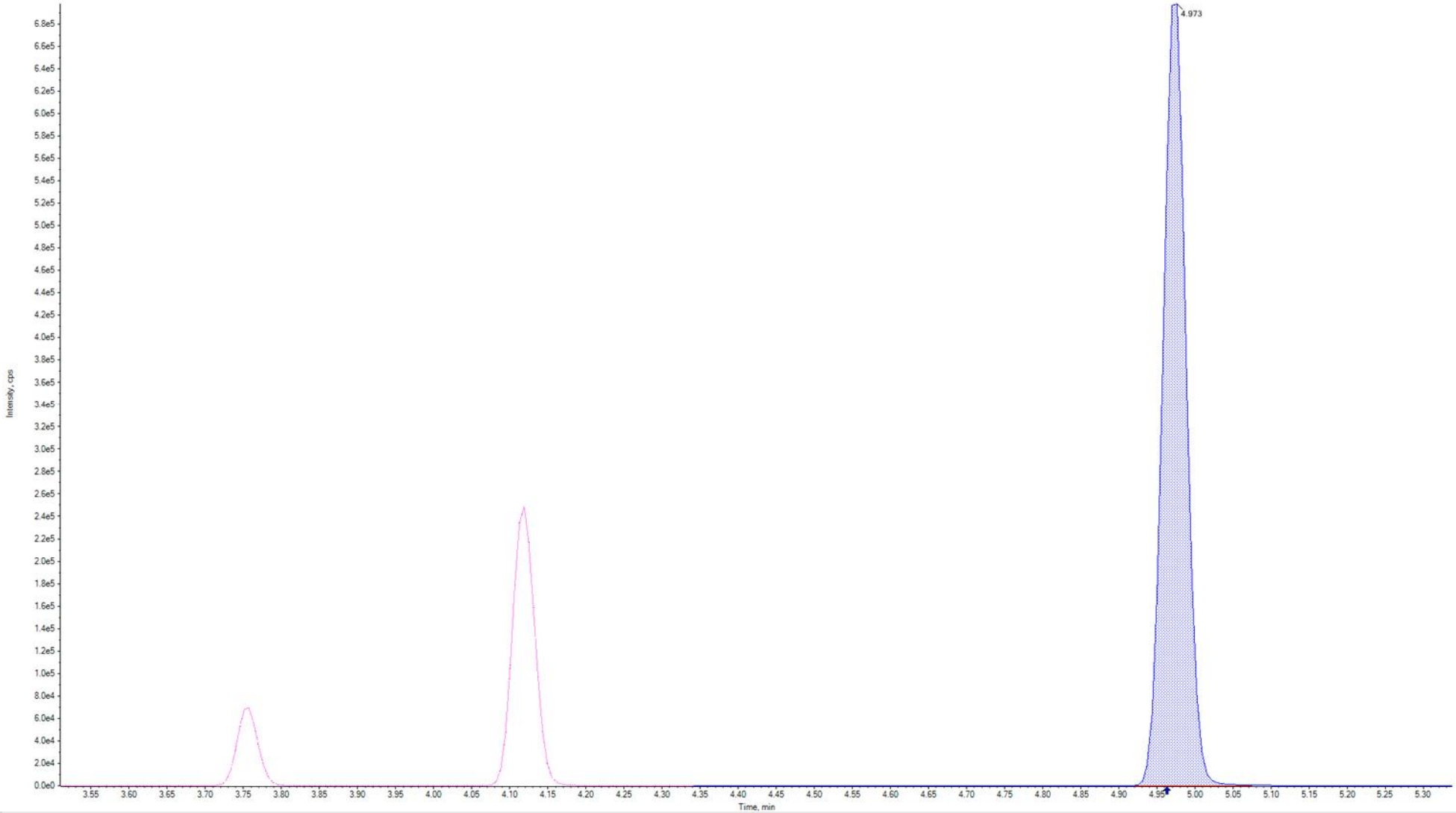
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Alpha Analytical LLC
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PFDS
Sample: IA1633STD-25 S/N:93951.9 Points Across peak:45



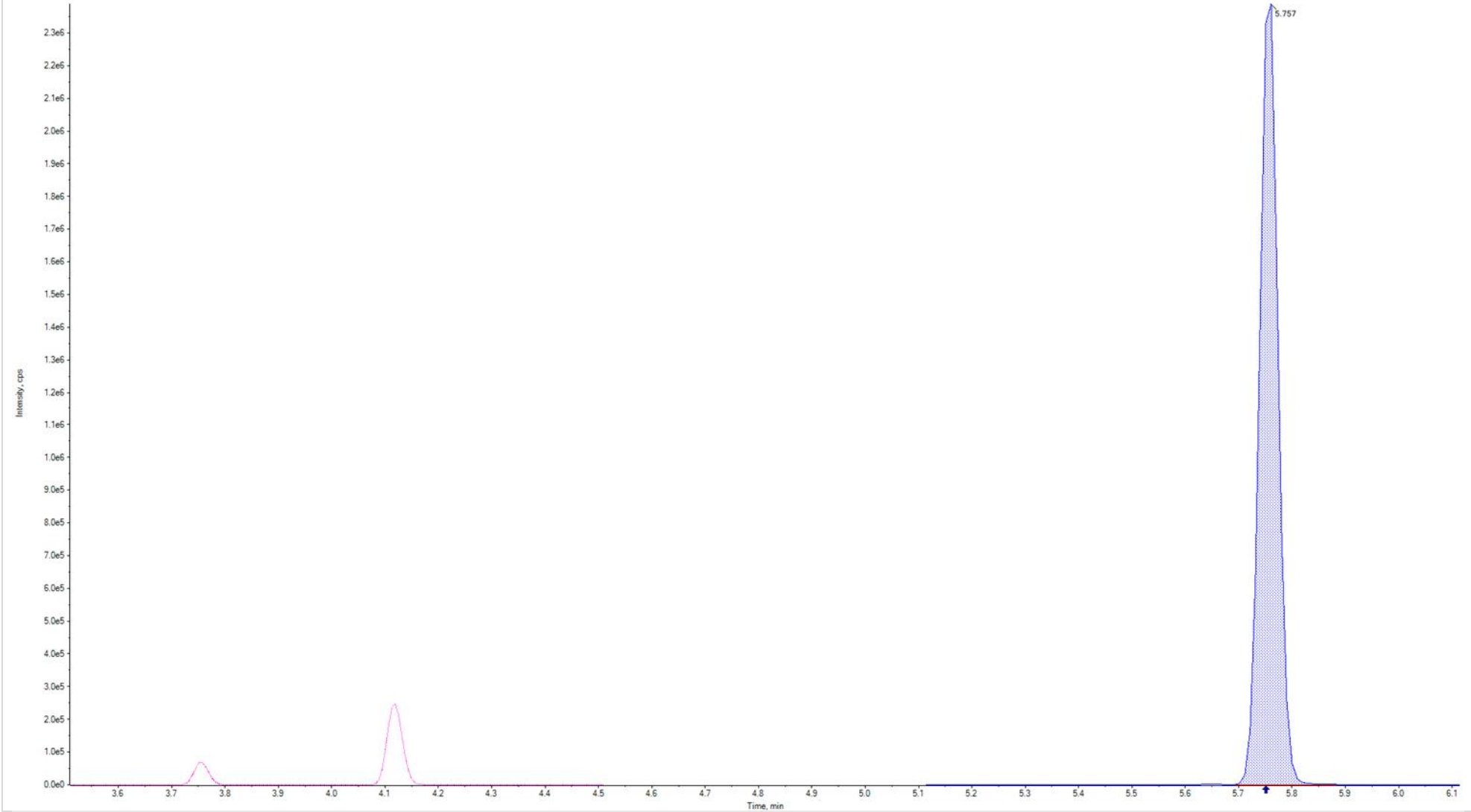
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Alpha Analytical LLC
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PFDS_2
Sample: IA1633STD-25 S/N:8592.3 Points Across peak:29



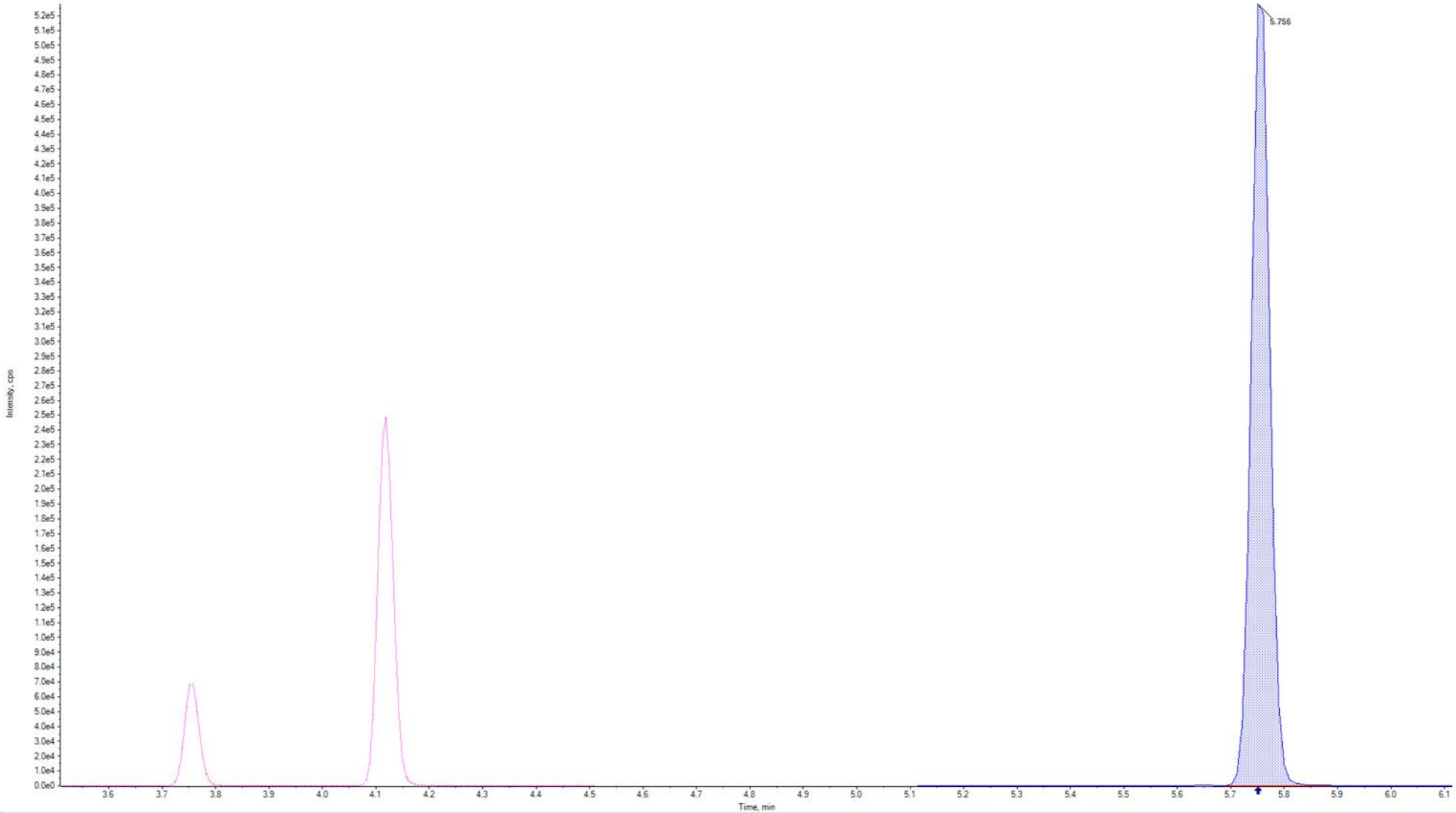
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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PFDoS
Sample: IA1633STD-25 S/N:22117.2 Points Across peak:33



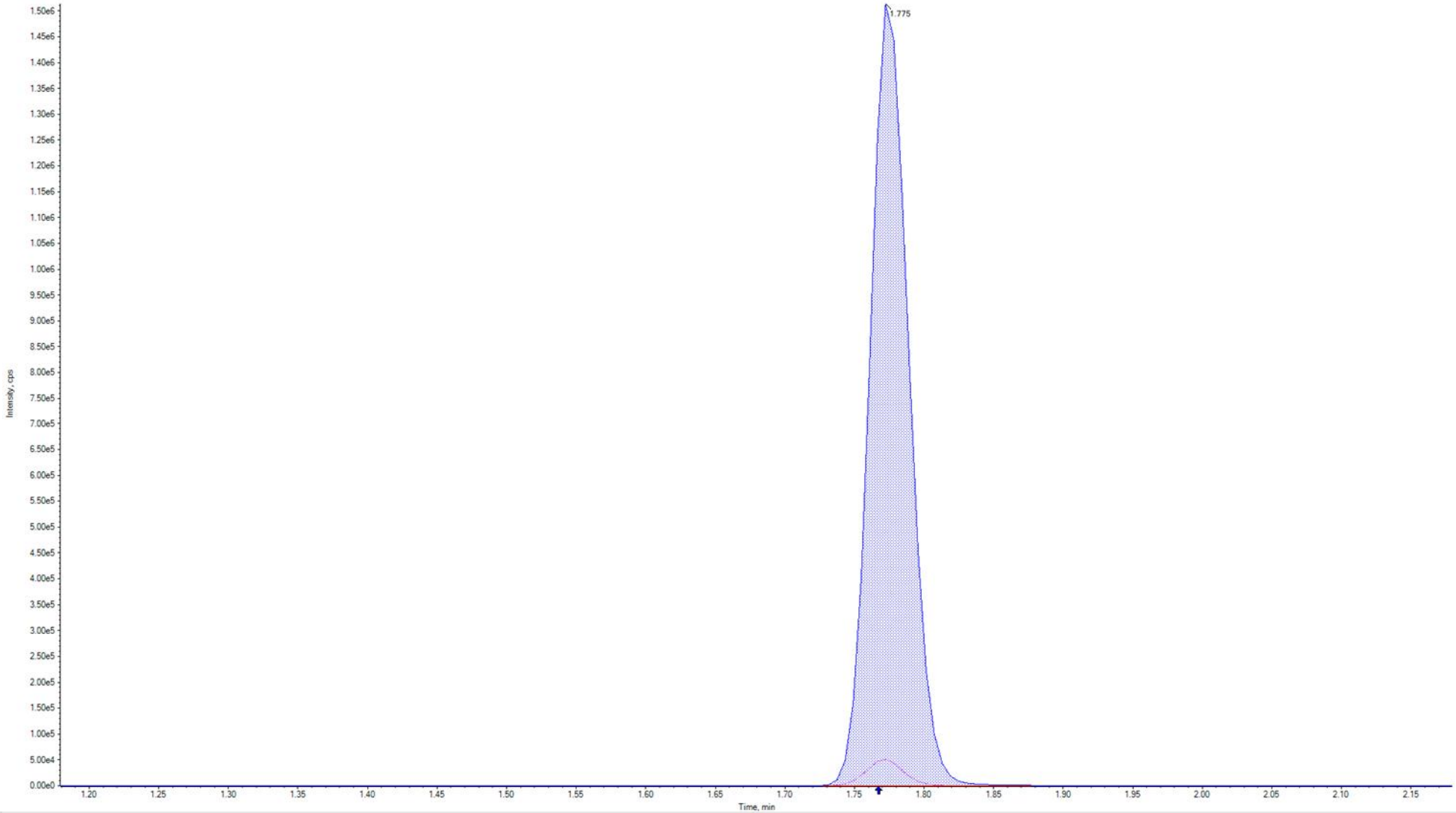
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Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_17.wiff2_7
Last Altered: 12/16/2024 8:11:58 PM
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PFDoS_2
Sample: IA1633STD-25 S/N:2738.4 Points Across peak:25



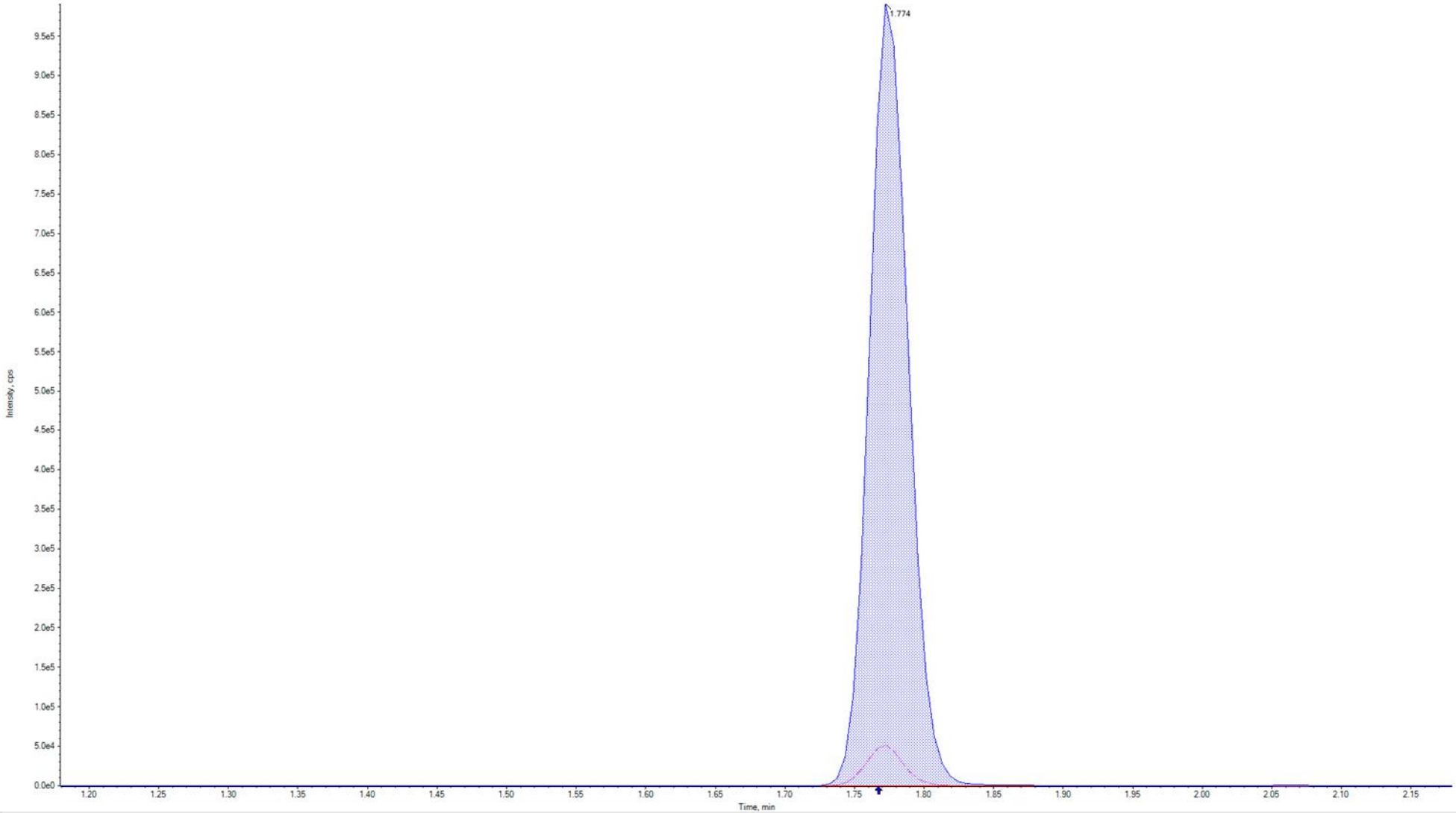
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

4:2FTS
Sample: IA1633STD-25 S/N:56908.6 Points Across peak:41



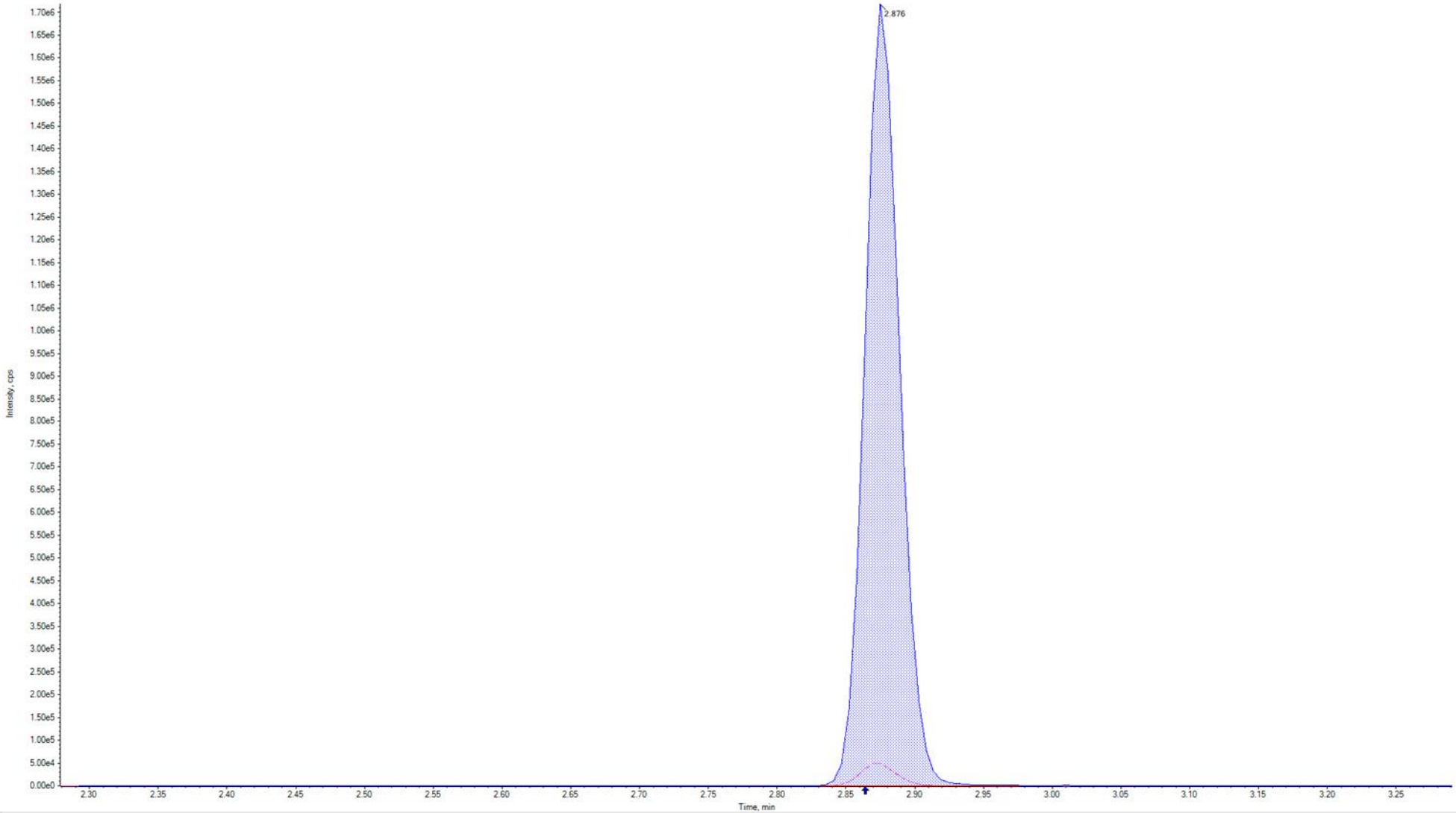
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_17.wiff2_7
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

4:2FTS_2
Sample: IA1633STD-25 S/N:37255.9 Points Across peak:32



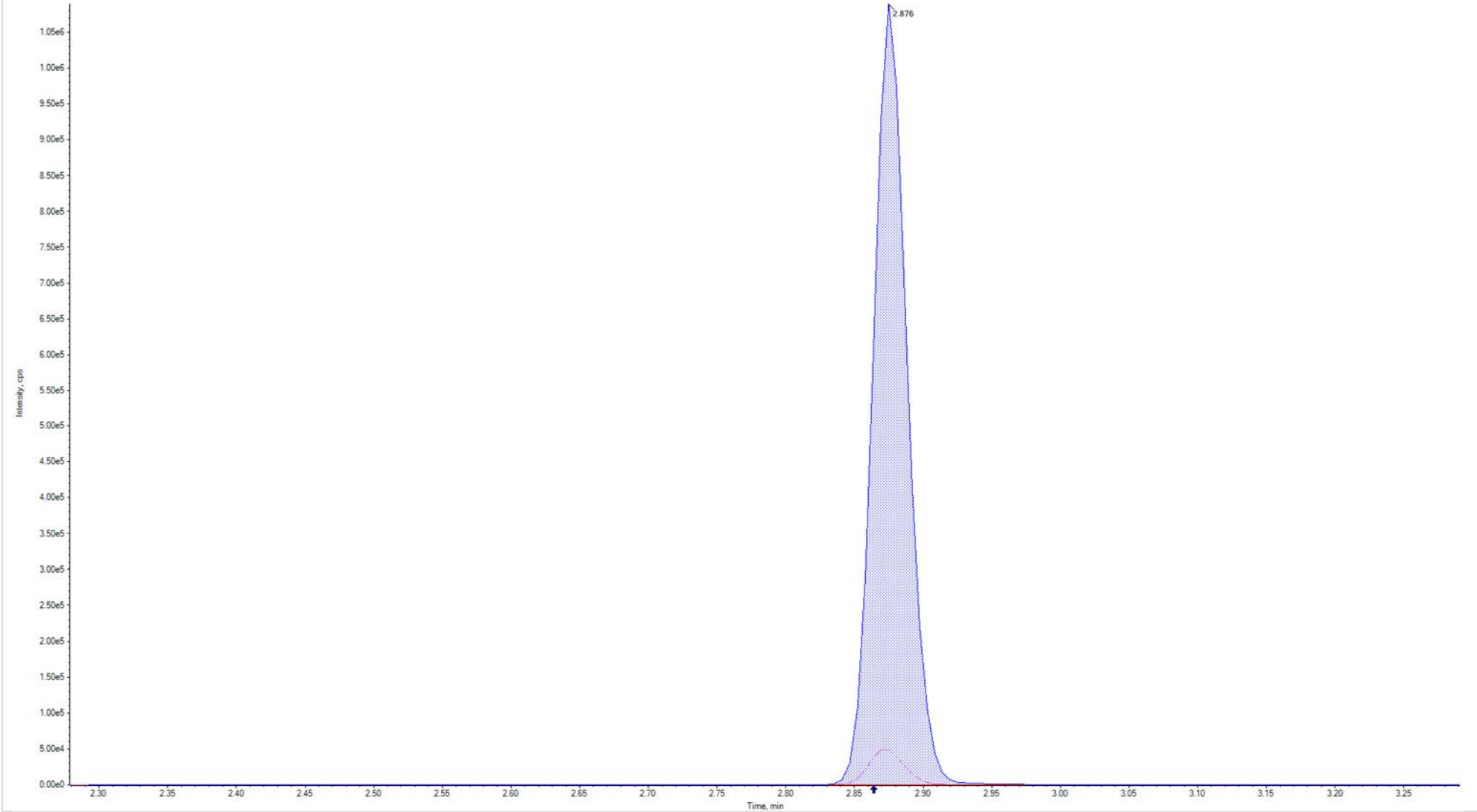
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

6:2FTS
Sample: IA1633STD-25 S/N:8086.3 Points Across peak:31



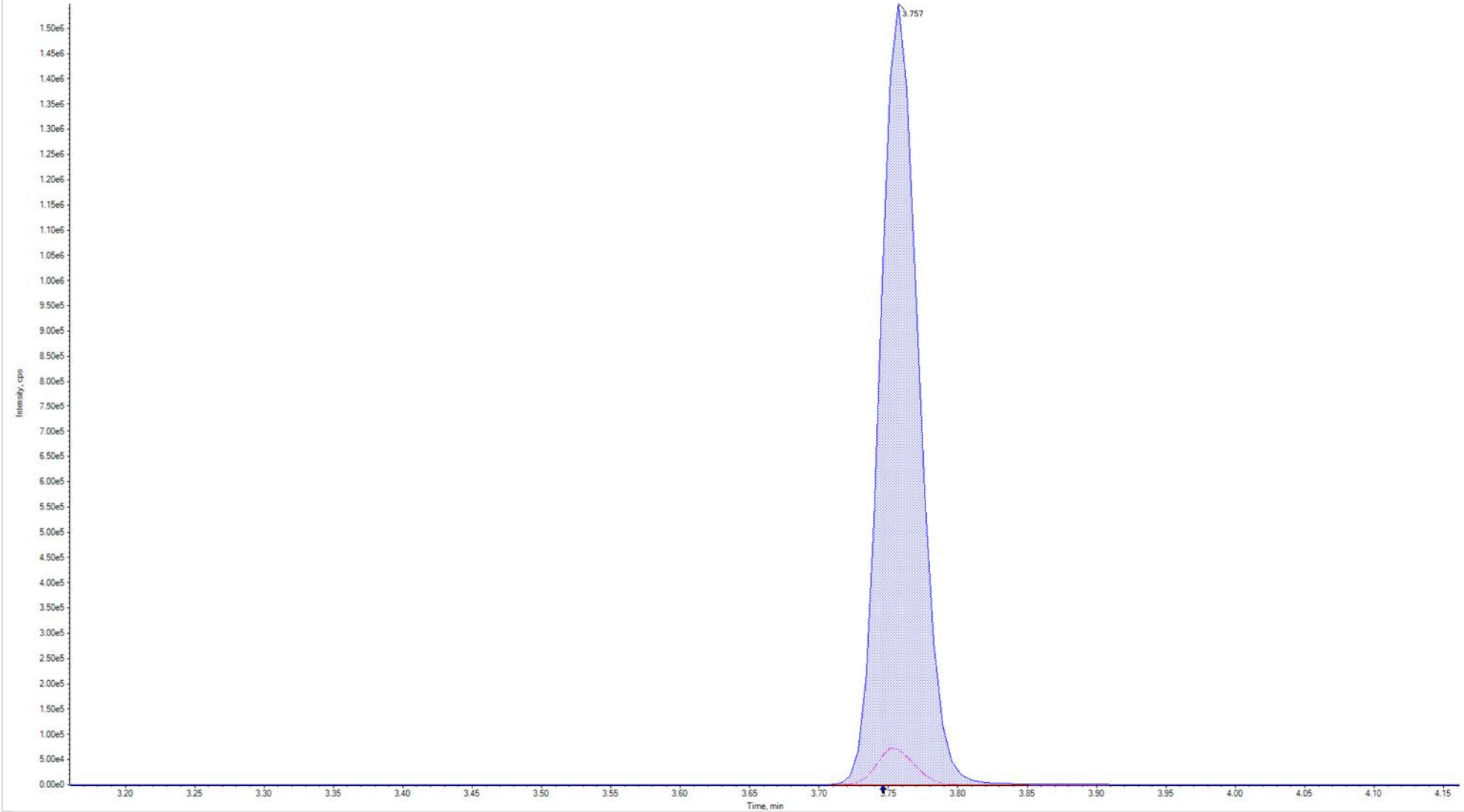
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

6:2FTS_2
Sample: IA1633STD-25 S/N:8358.0 Points Across peak:36



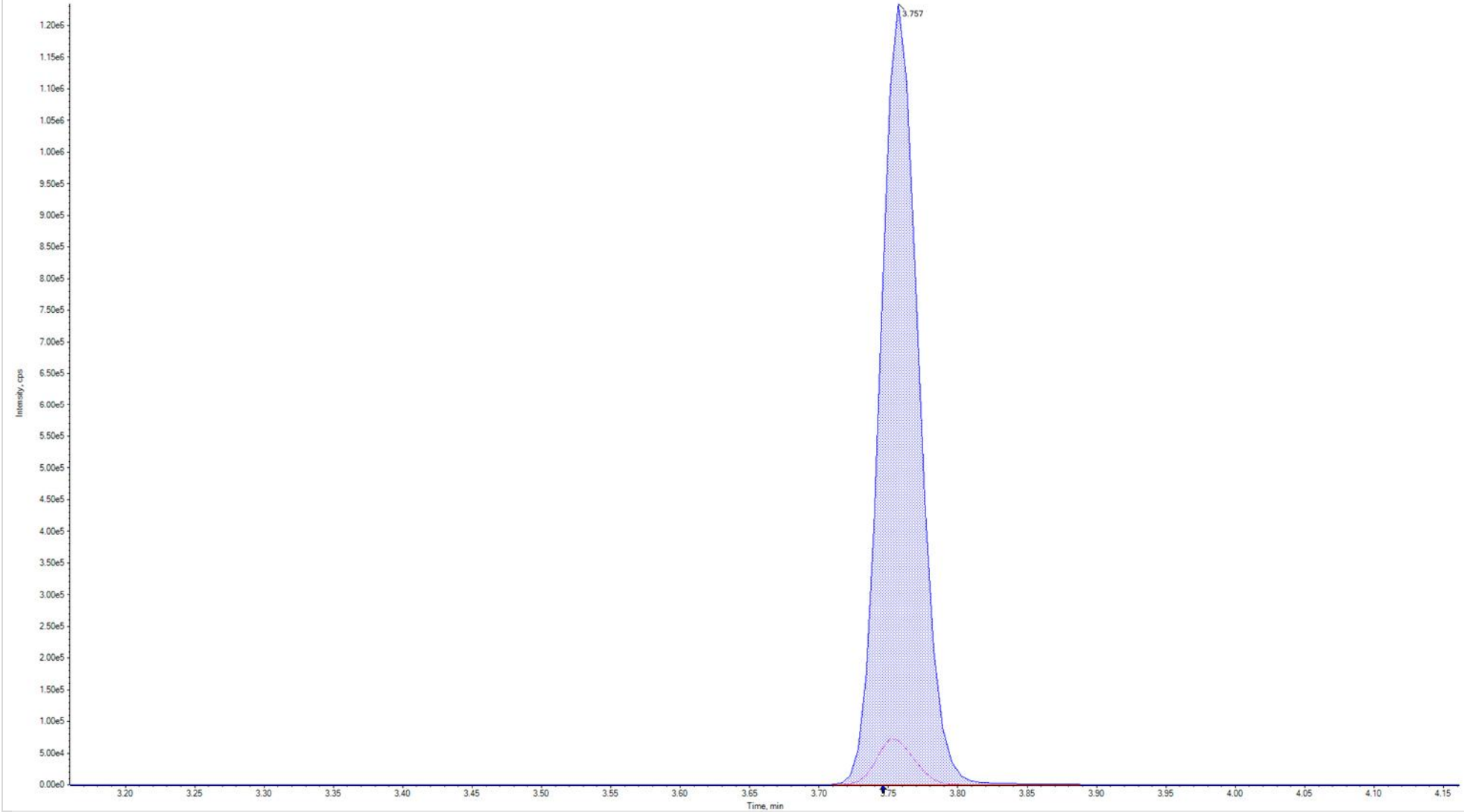
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

8:2FTS
Sample: IA1633STD-25 S/N:8404.4 Points Across peak:27



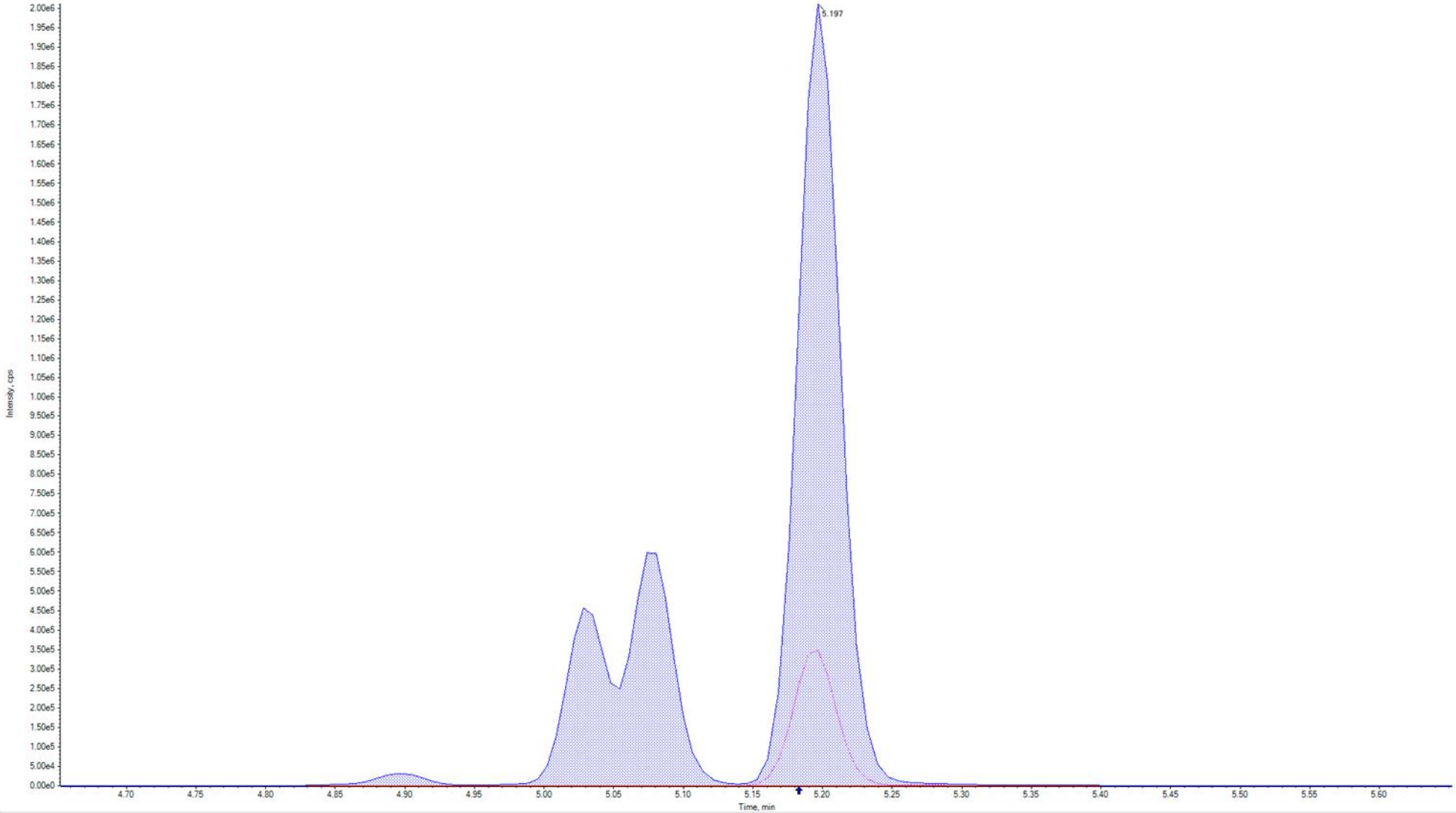
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

8:2FTS_2
Sample: IA1633STD-25 S/N:7401.0 Points Across peak:34



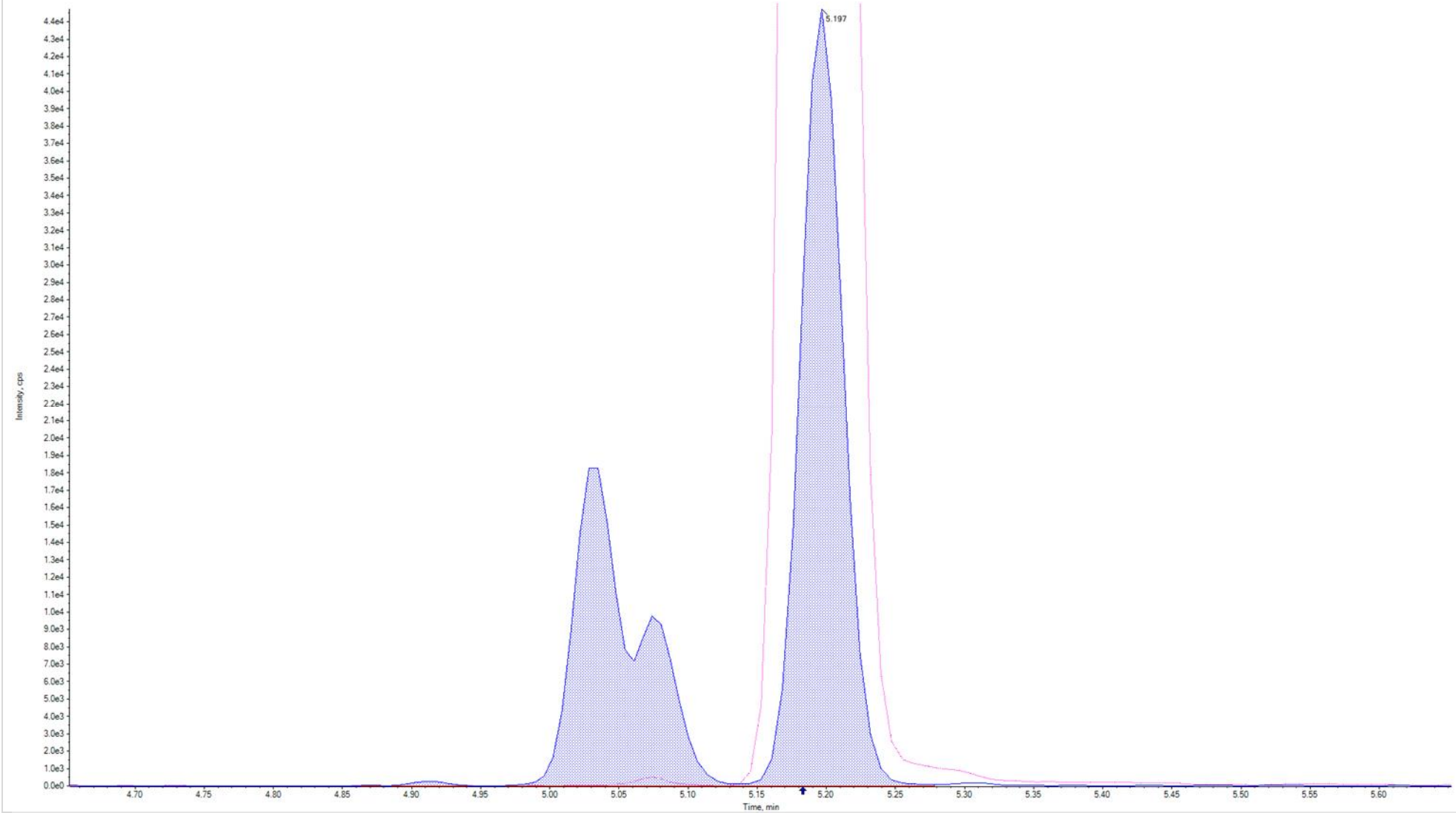
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Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

PFOSA
Sample: IA1633STD-25 S/N:236.5 Points Across peak:98



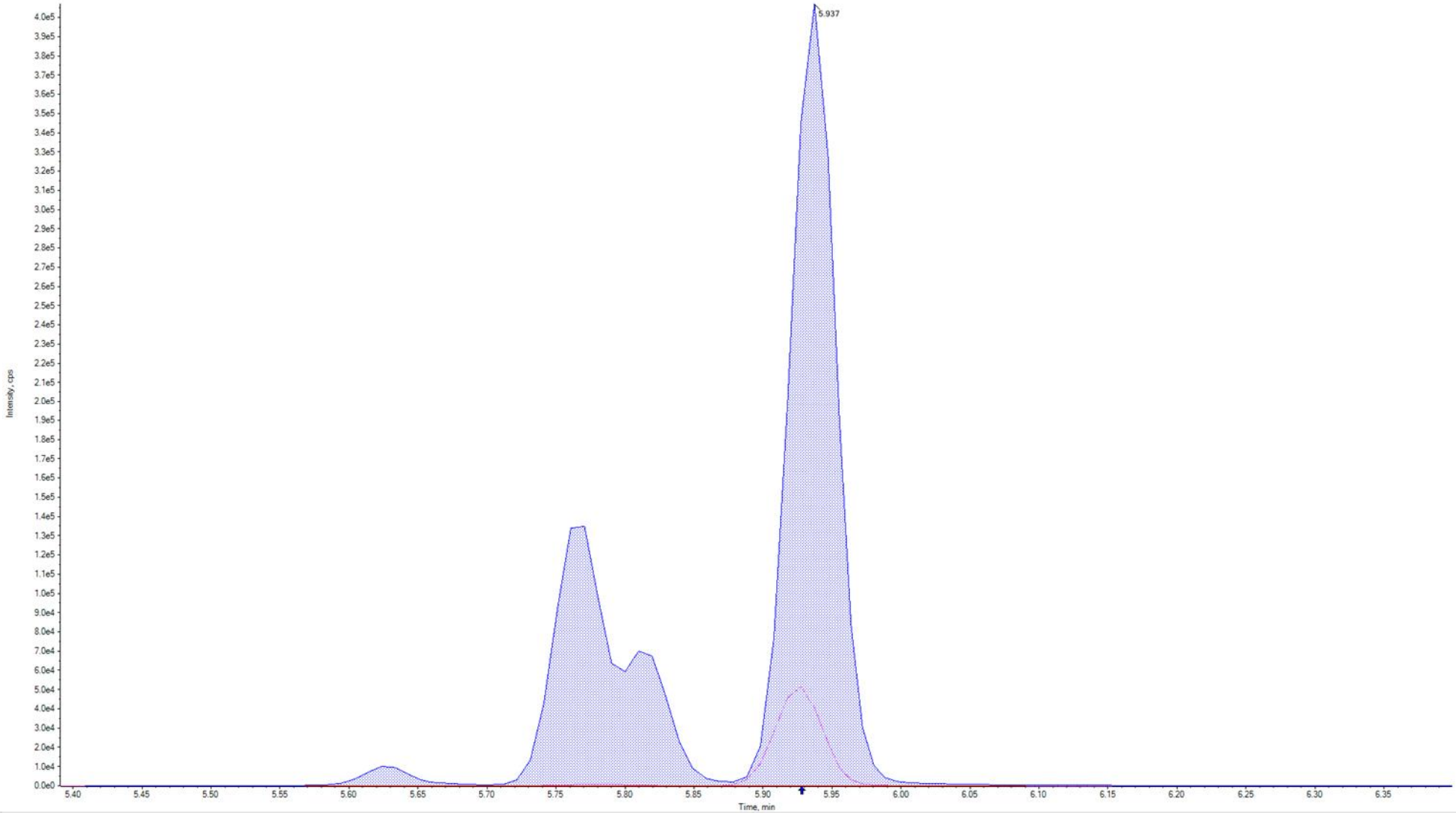
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Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

PFOSA_2
Sample: IA1633STD-25 S/N:335.3 Points Across peak:66



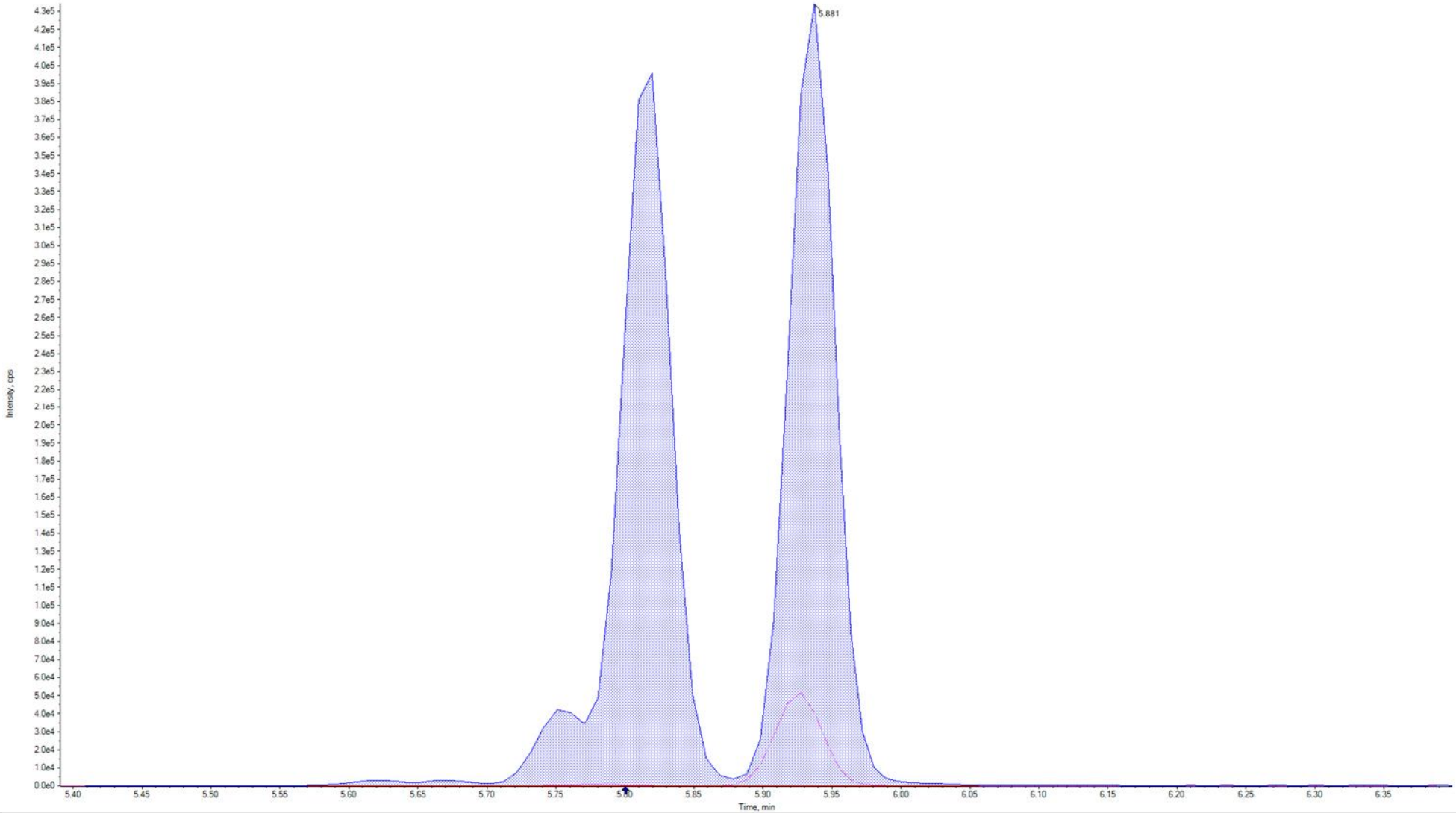
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NMeFOSA
Sample: IA1633STD-25 S/N:290.7 Points Across peak:61



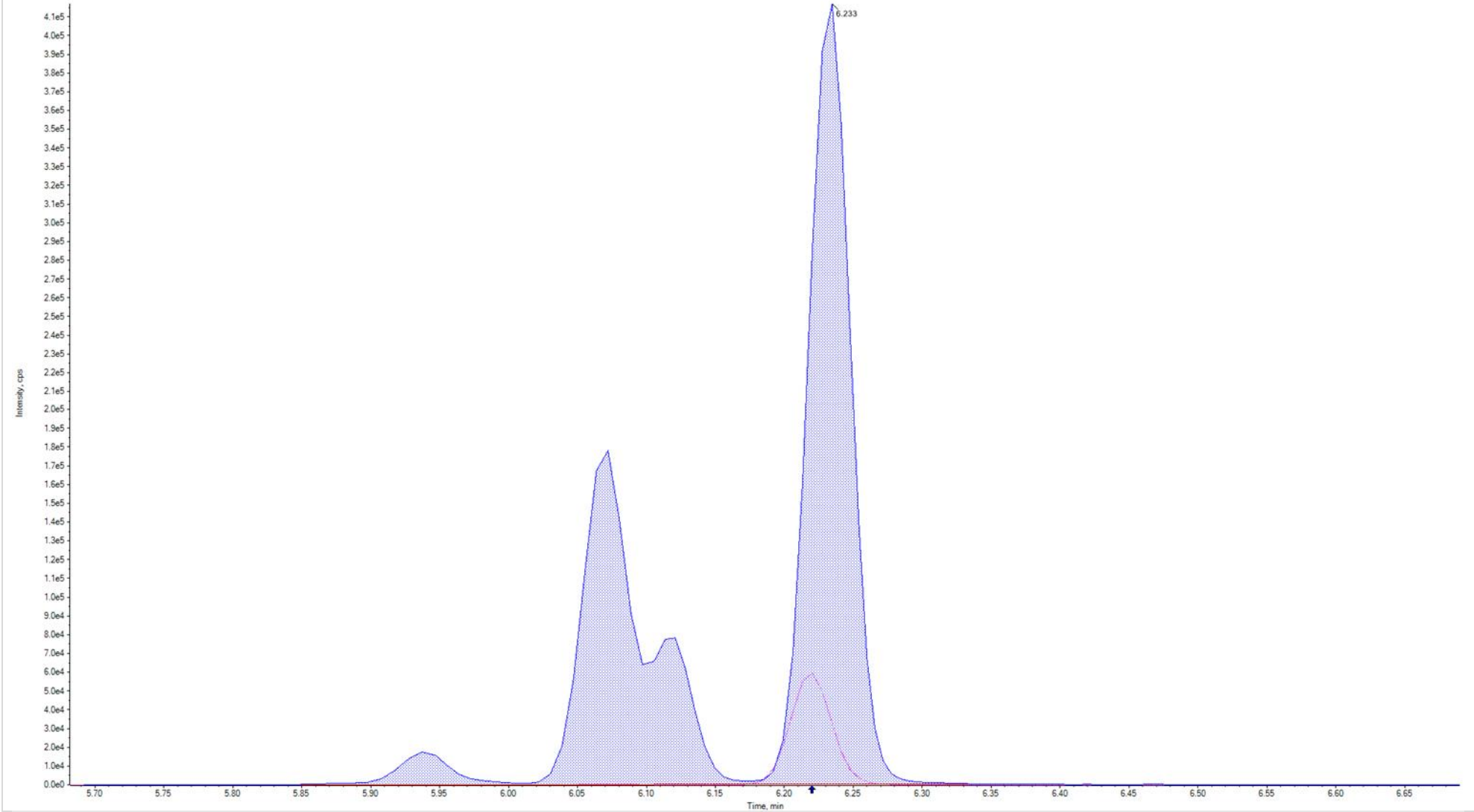
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Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

NMeFOSA_2
Sample: IA1633STD-25 S/N:214.7 Points Across peak:57



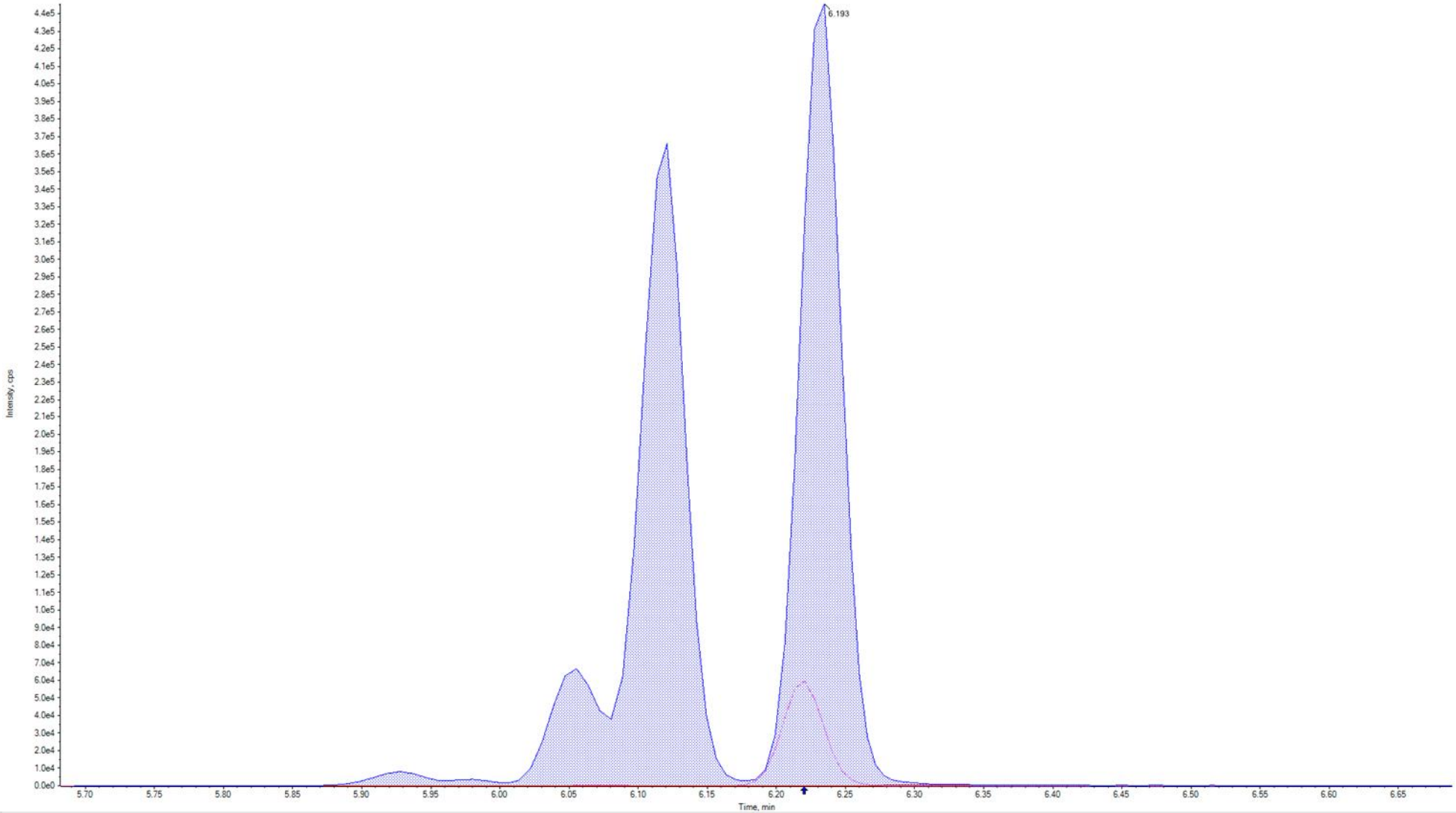
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Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

NEtFOSA
Sample: IA1633STD-25 S/N:593.0 Points Across peak:71



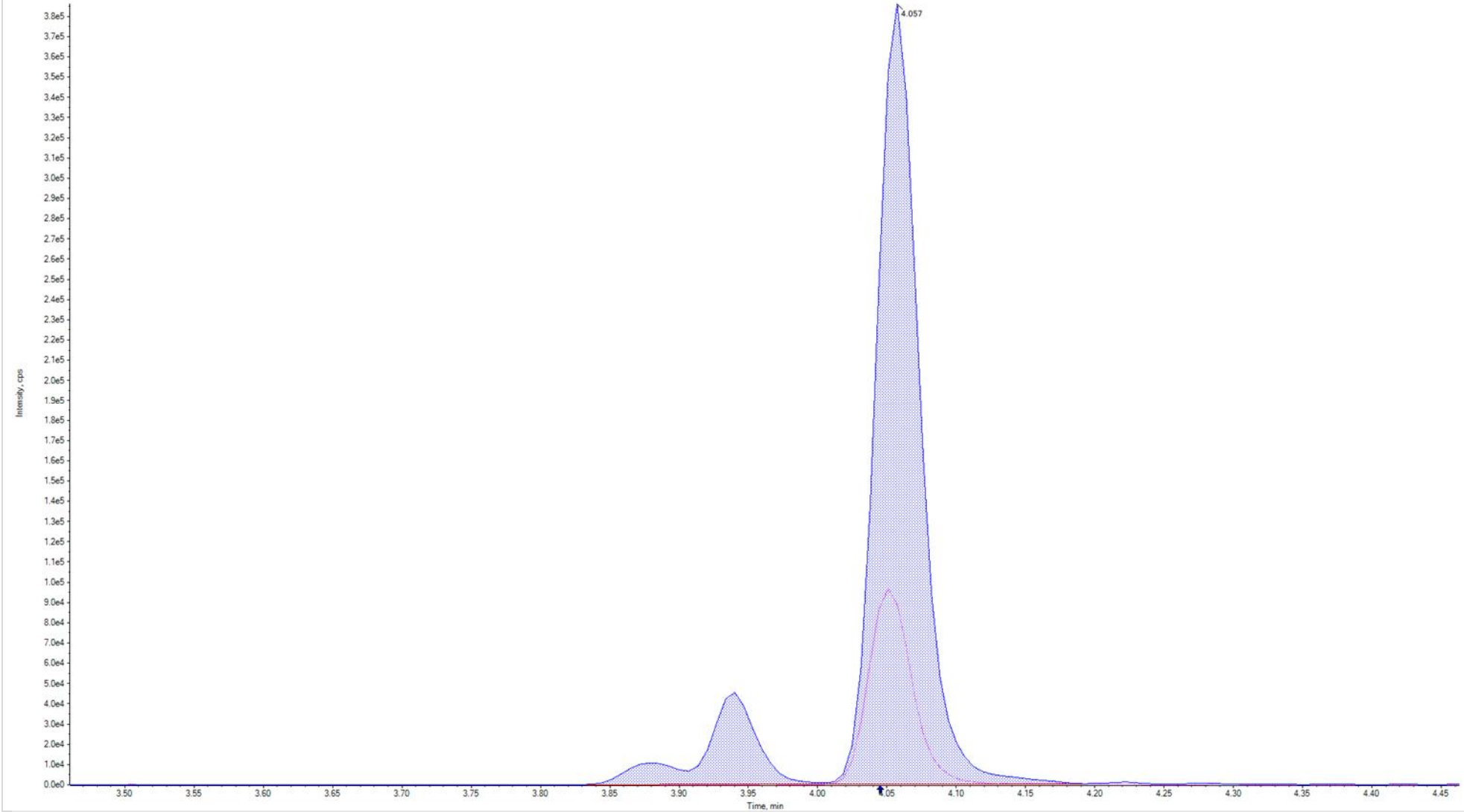
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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NEtFOSA_2
Sample: IA1633STD-25 S/N:527.1 Points Across peak:76



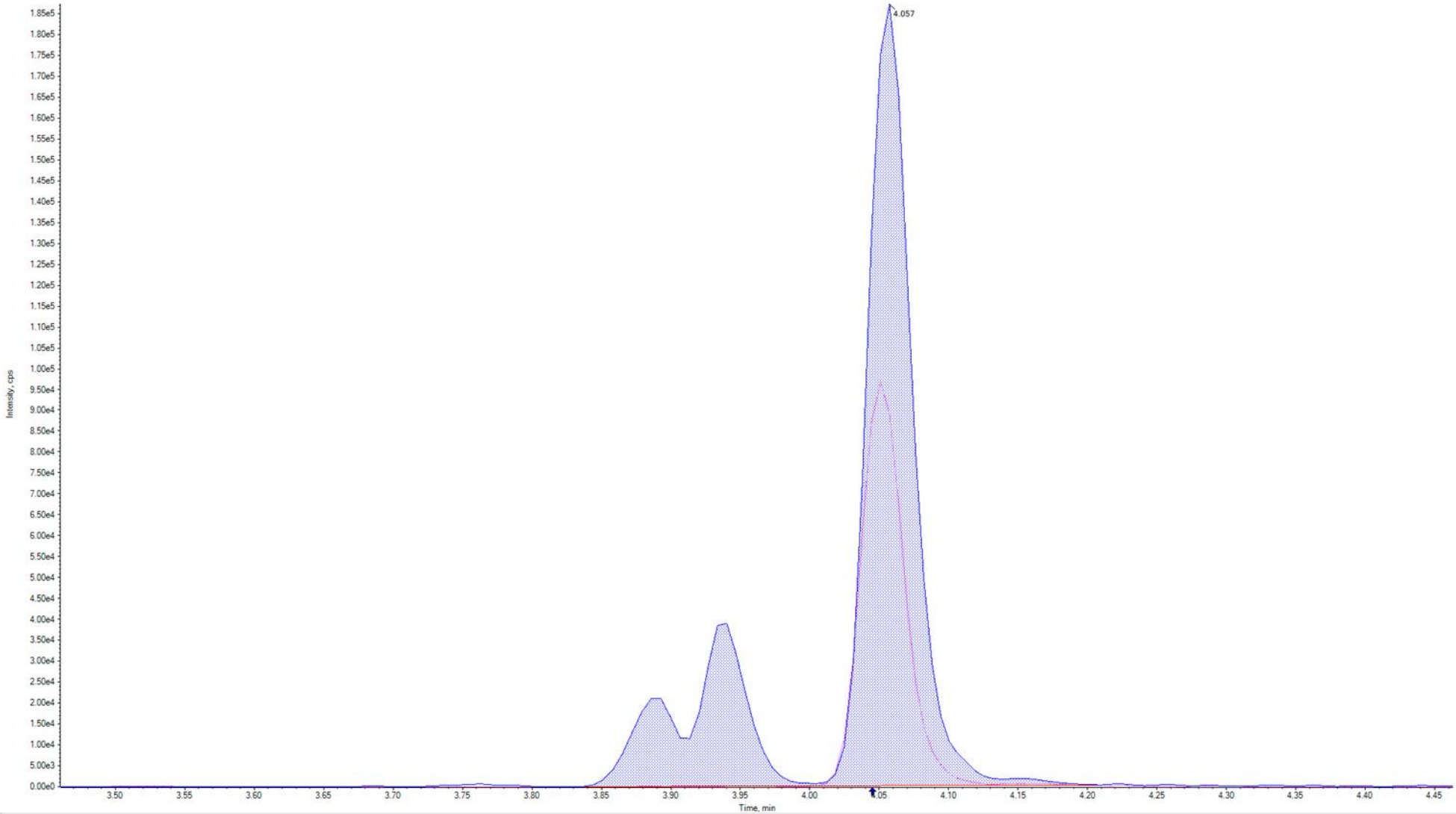
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NMeFOSAA
Sample: IA1633STD-25 S/N:548.0 Points Across peak:57



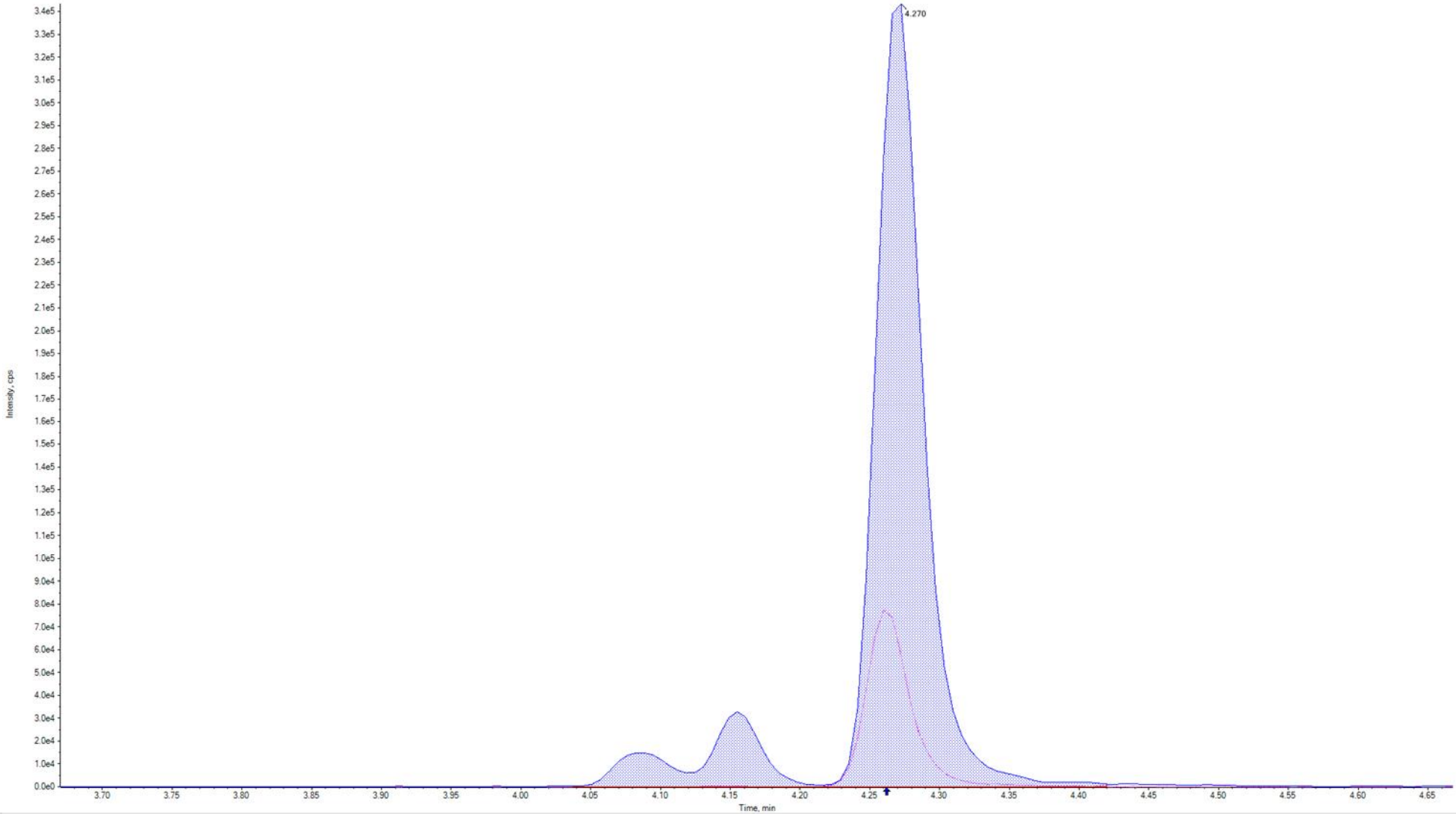
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NMeFOSAA_2
Sample: IA1633STD-25 S/N:421.0 Points Across peak:60



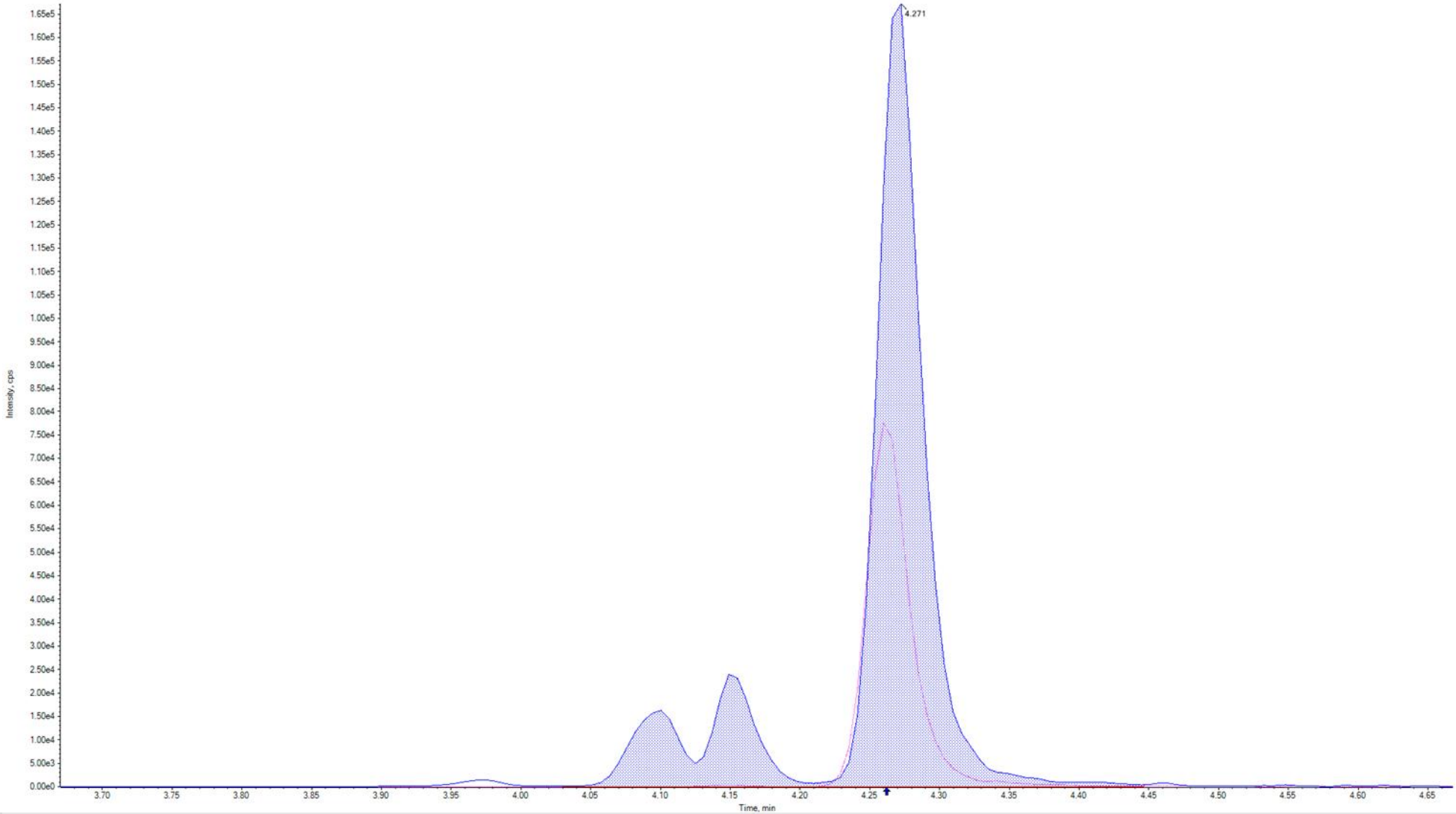
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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NEtFOSAA
Sample: IA1633STD-25 S/N:531.4 Points Across peak:64



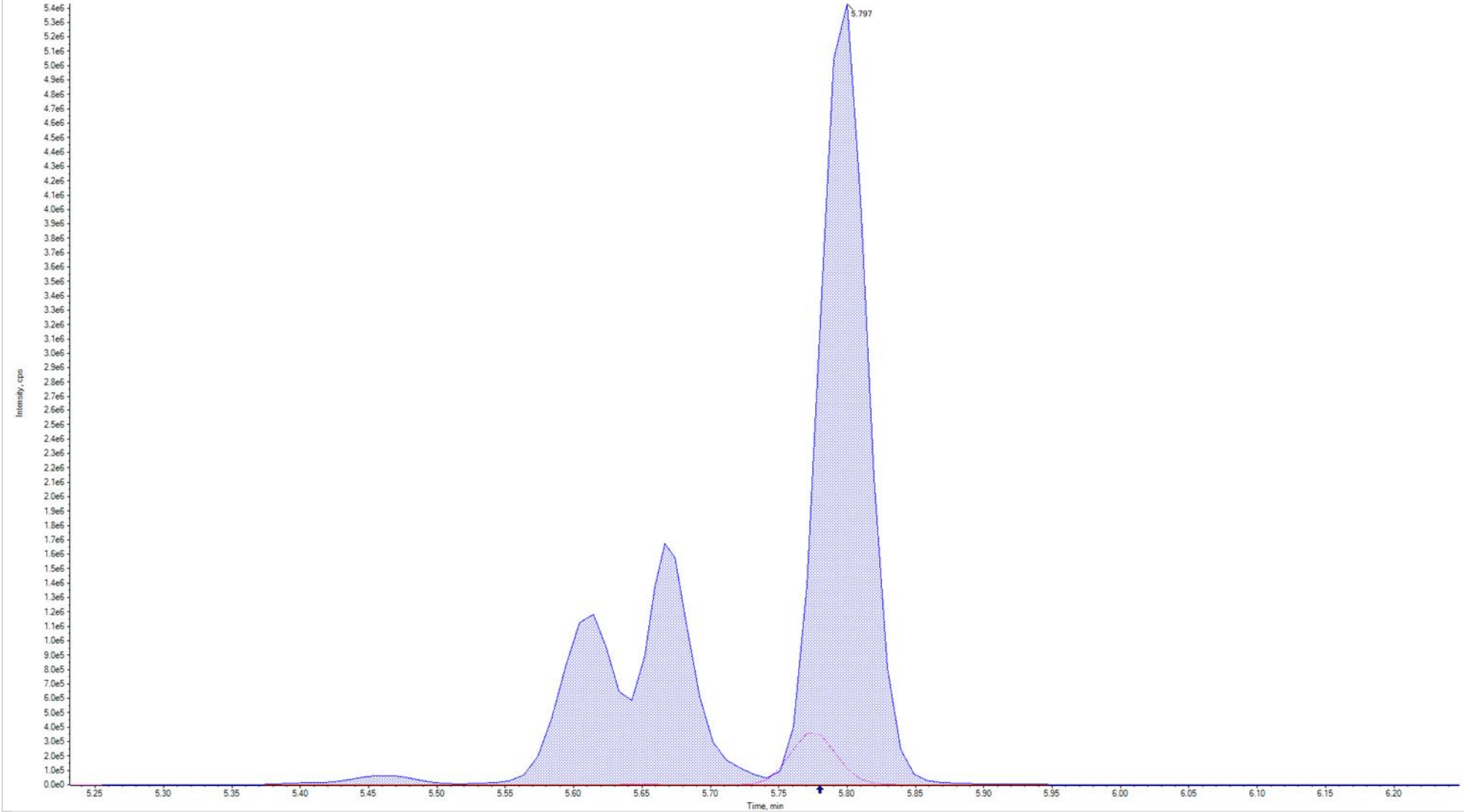
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NEtFOSAA_2
Sample: IA1633STD-25 S/N:371.7 Points Across peak:70



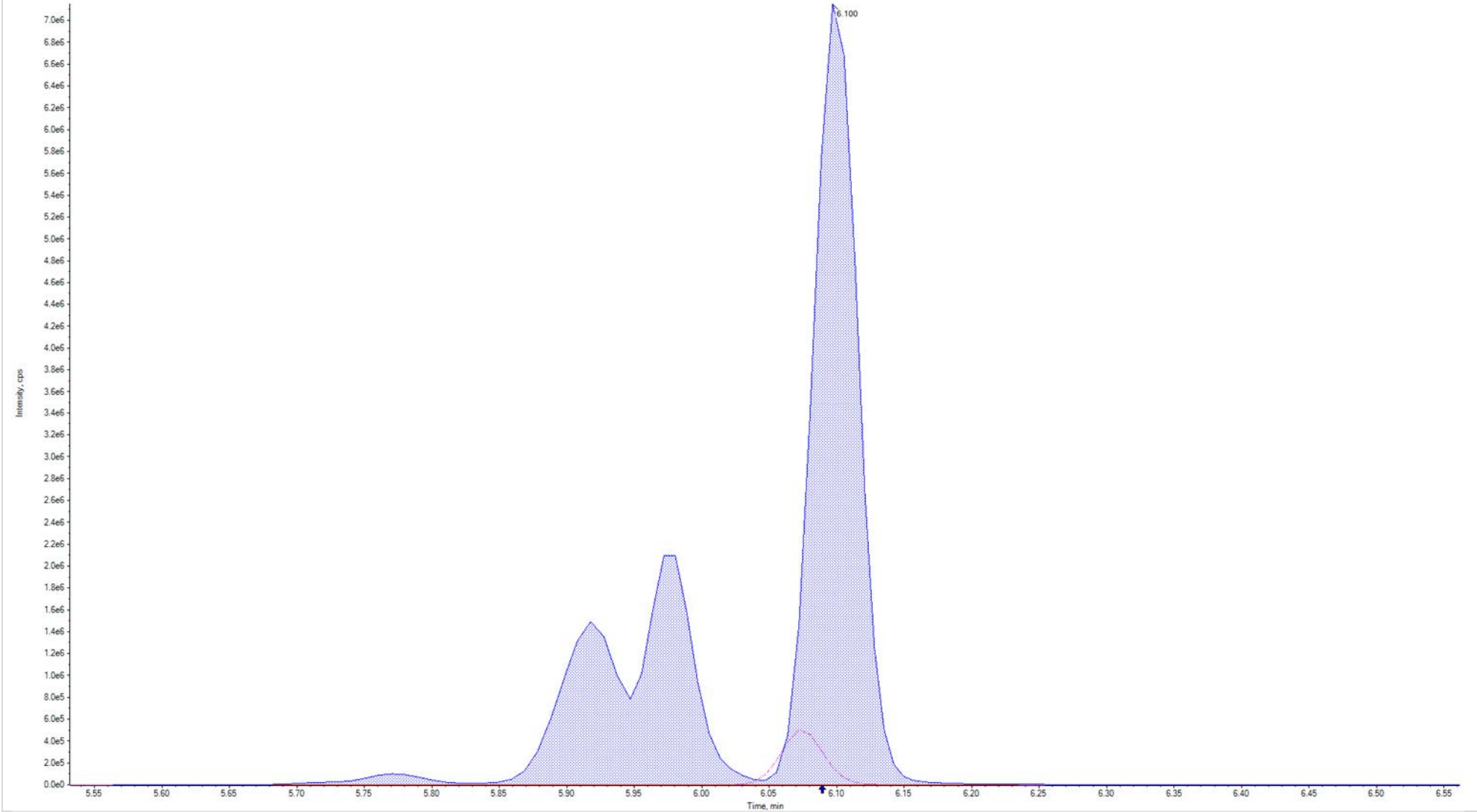
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Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

NMeFOSE
Sample: IA1633STD-25 S/N:183.0 Points Across peak:69



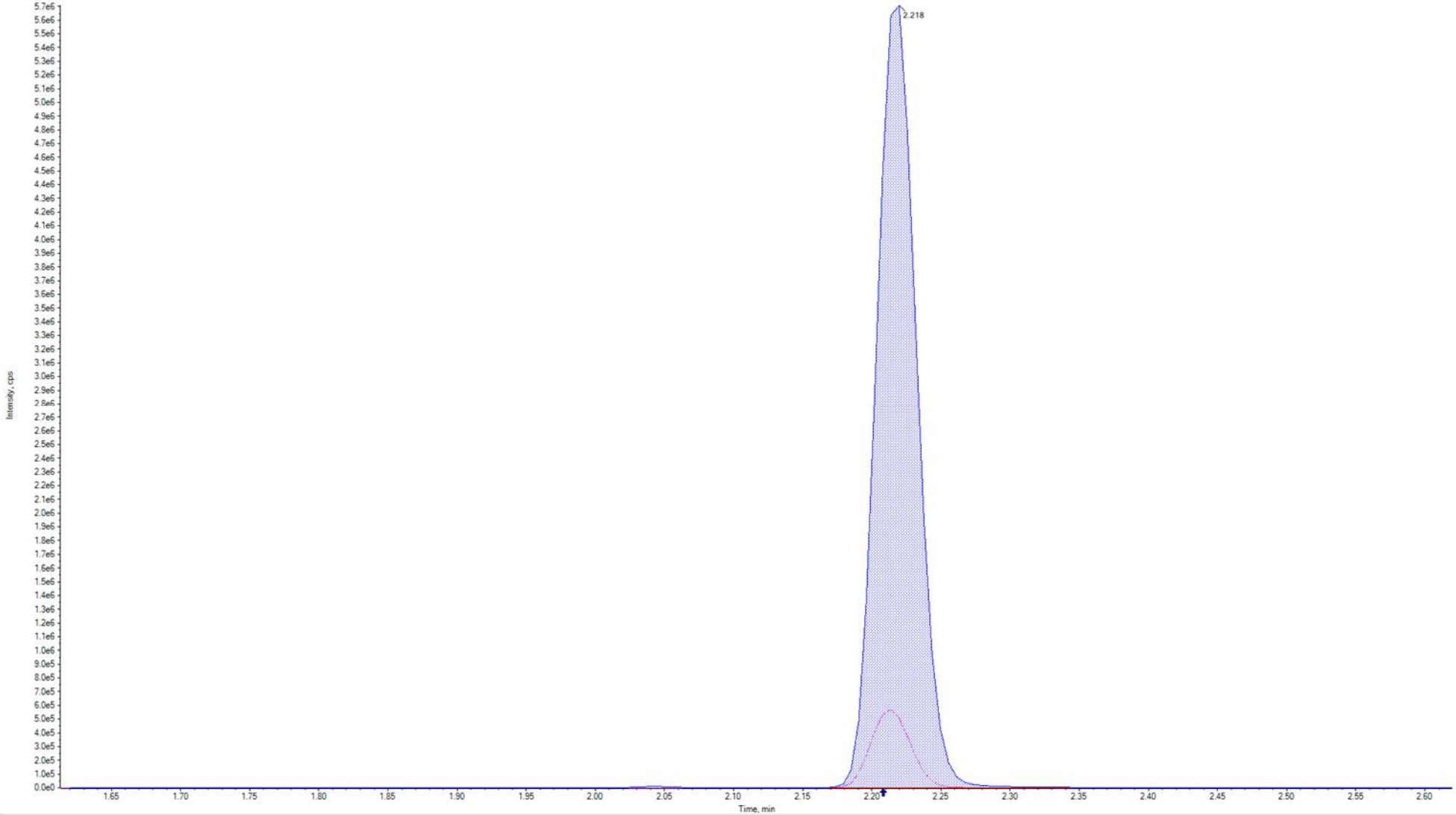
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Alpha Analytical LLC
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NEtFOSE
Sample: IA1633STD-25 S/N:384.6 Points Across peak:69



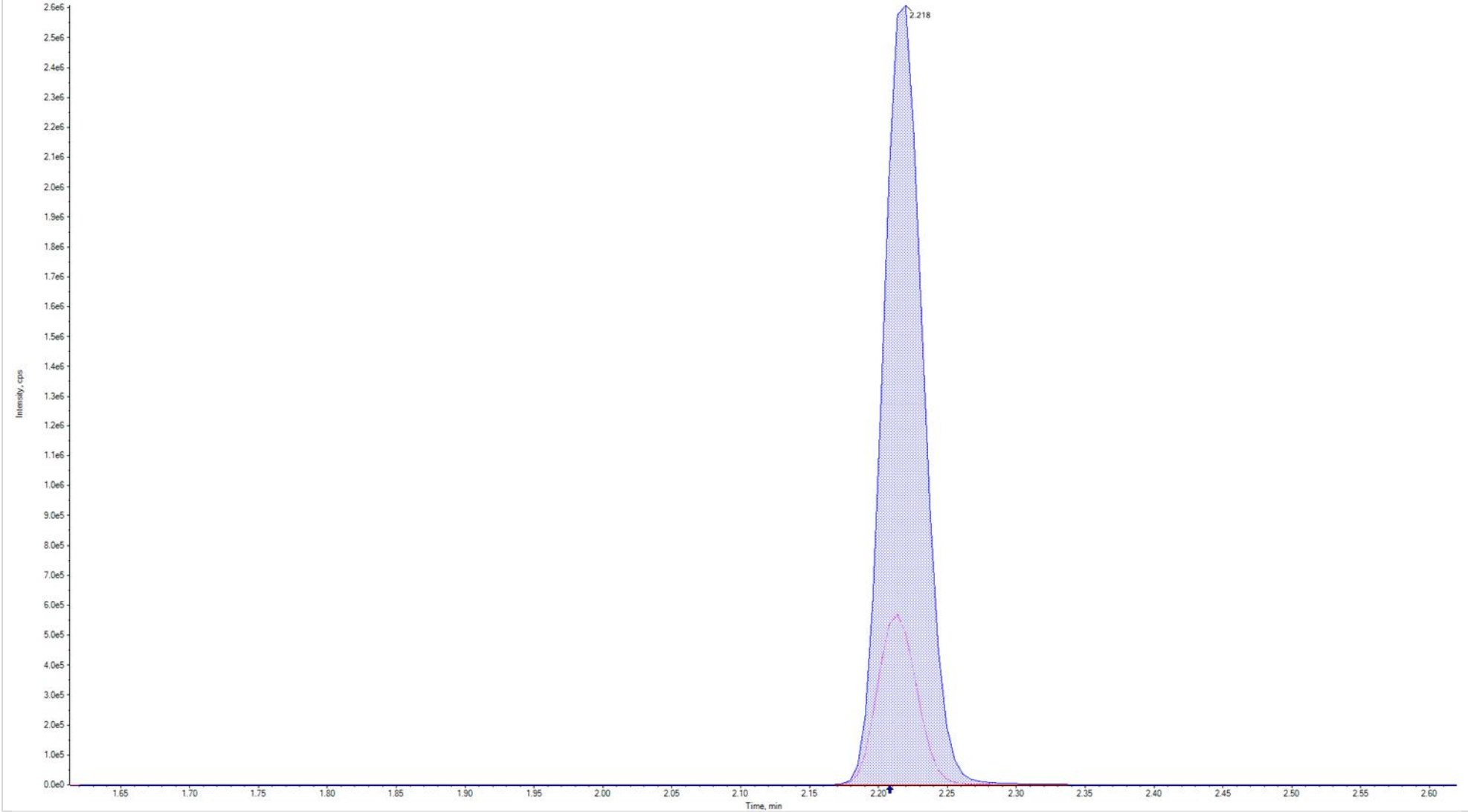
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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HFPO-DA
Sample: IA1633STD-25 S/N:128759.3 Points Across peak:35



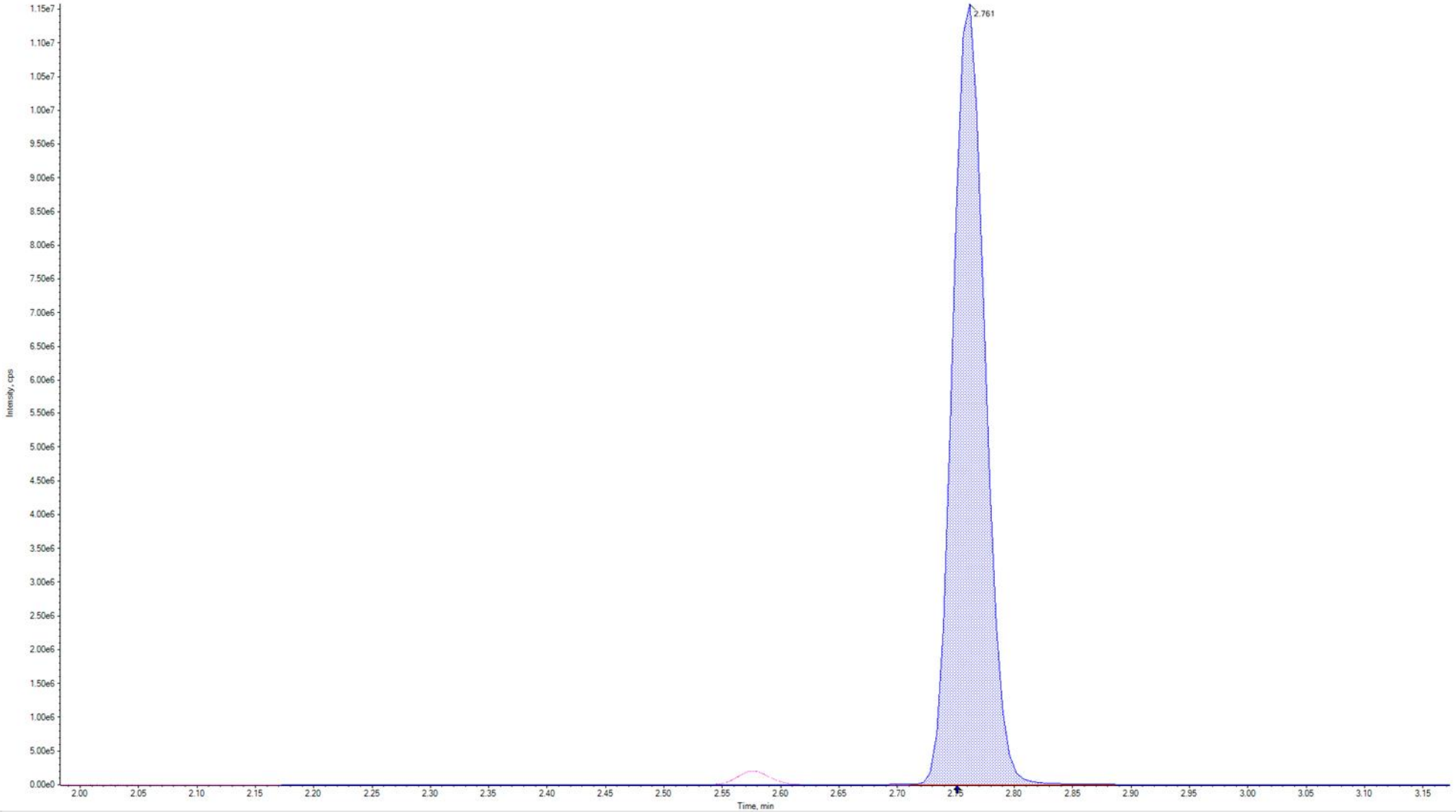
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Alpha Analytical LLC
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HFPO-DA_2
Sample: IA1633STD-25 S/N:7604.2 Points Across peak:37



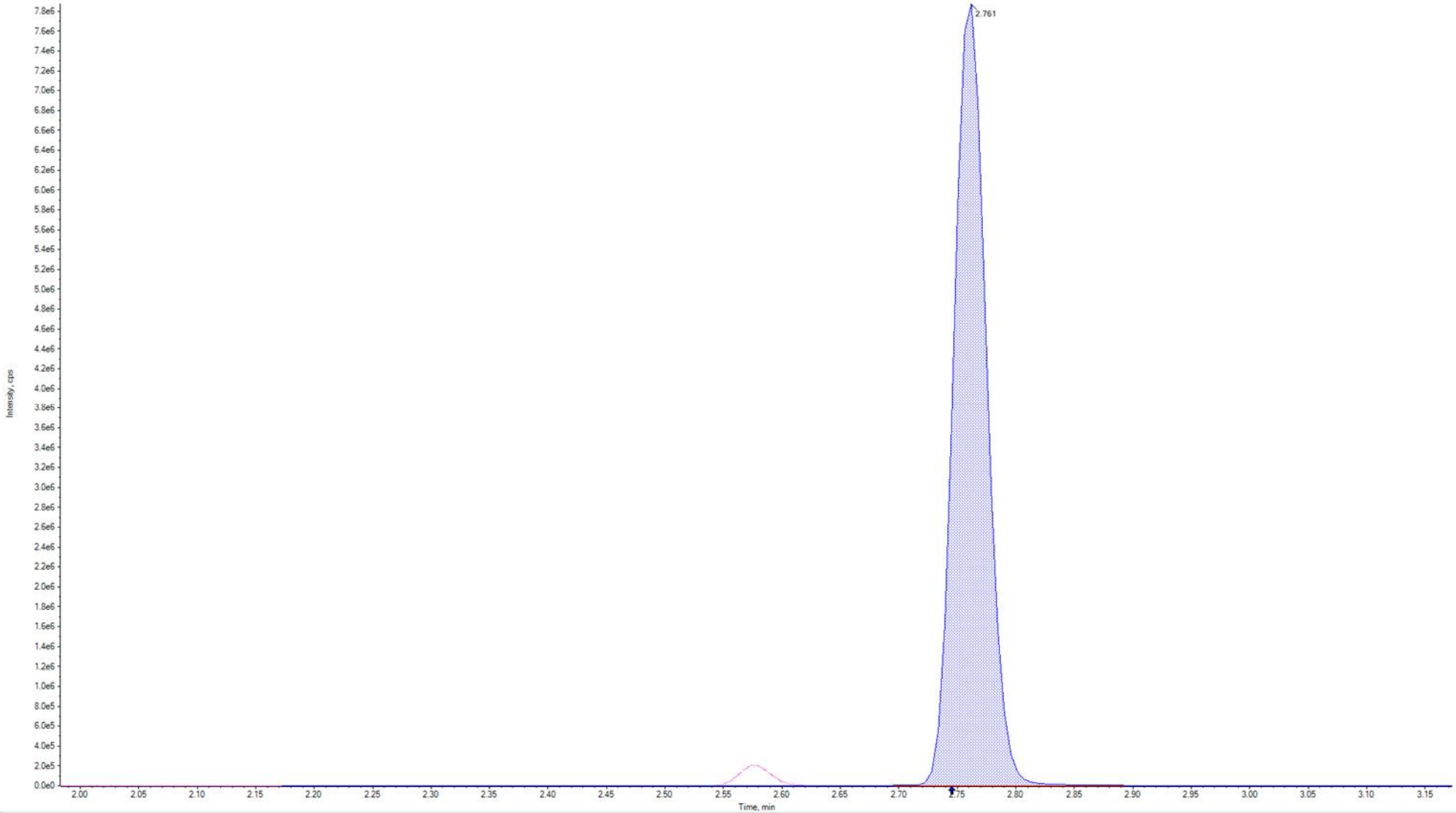
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Alpha Analytical LLC
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ADONA
Sample: IA1633STD-25 S/N:232189.7 Points Across peak:33



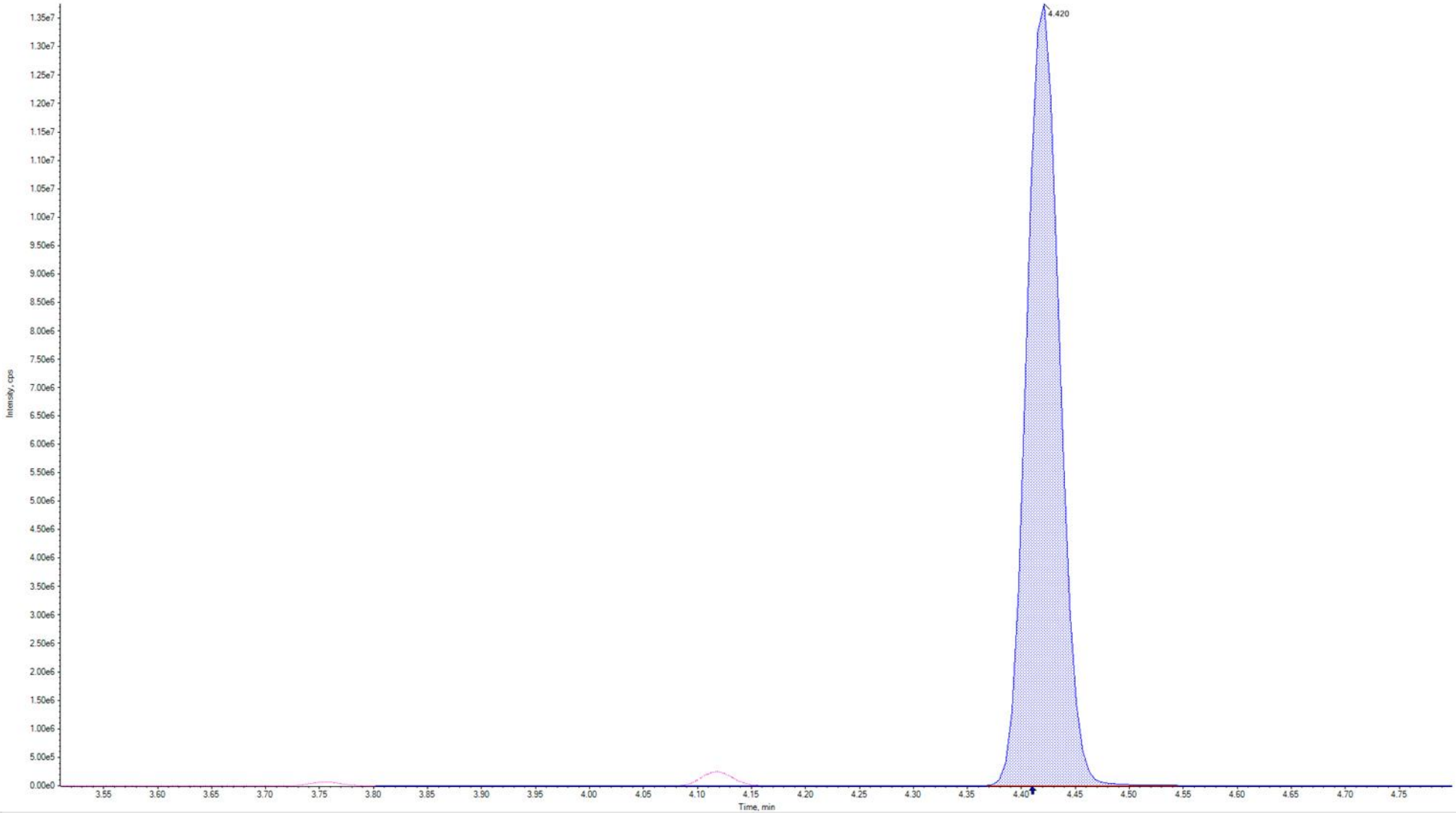
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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ADONA_2
Sample: IA1633STD-25 S/N:6595.6 Points Across peak:55



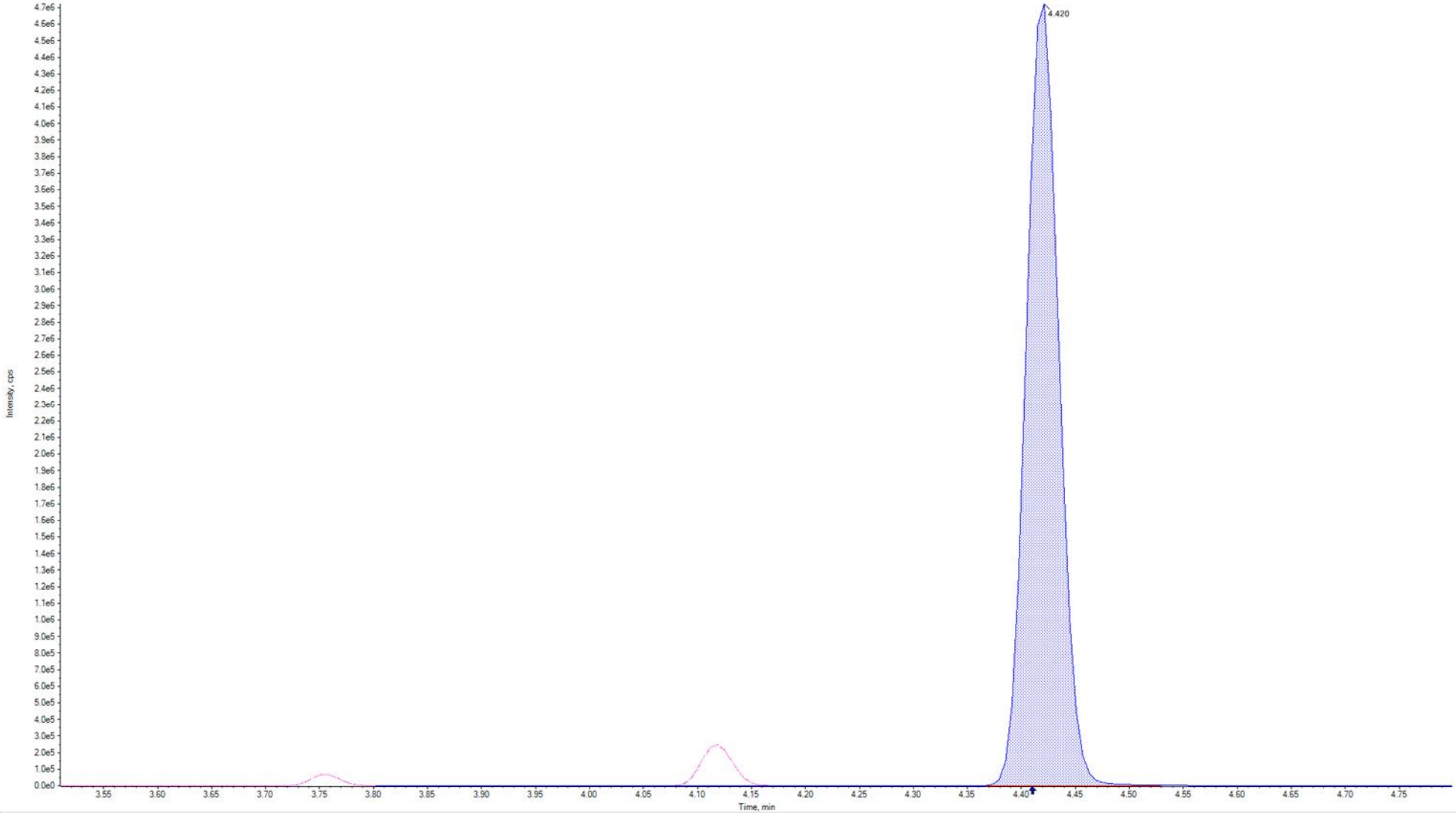
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Alpha Analytical LLC
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9Cl-PF3ONS
Sample: IA1633STD-25 S/N:310197.0 Points Across peak:45



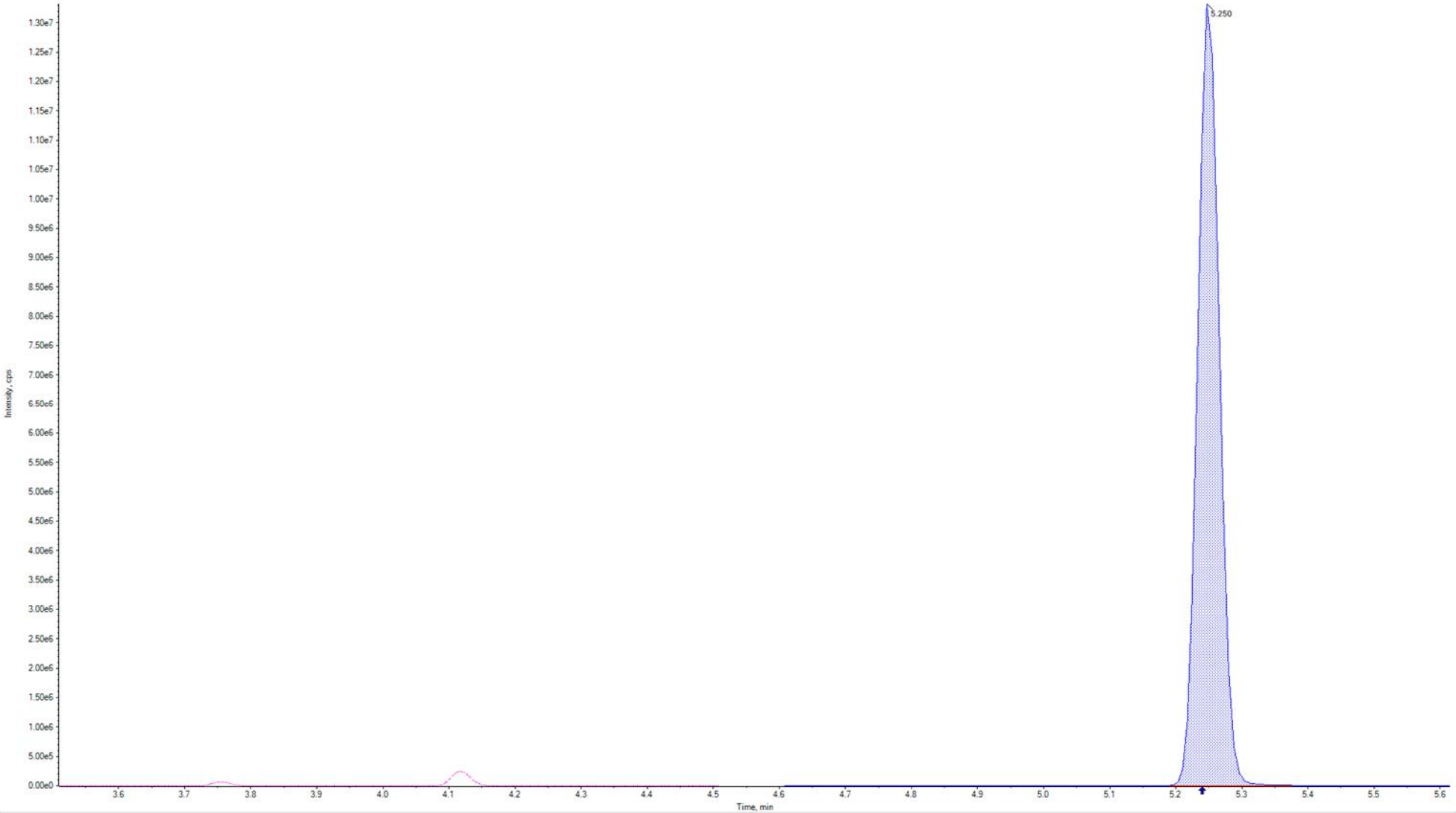
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Alpha Analytical LLC
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9Cl-PF3ONS_2
Sample: IA1633STD-25 S/N:13736.4 Points Across peak:35



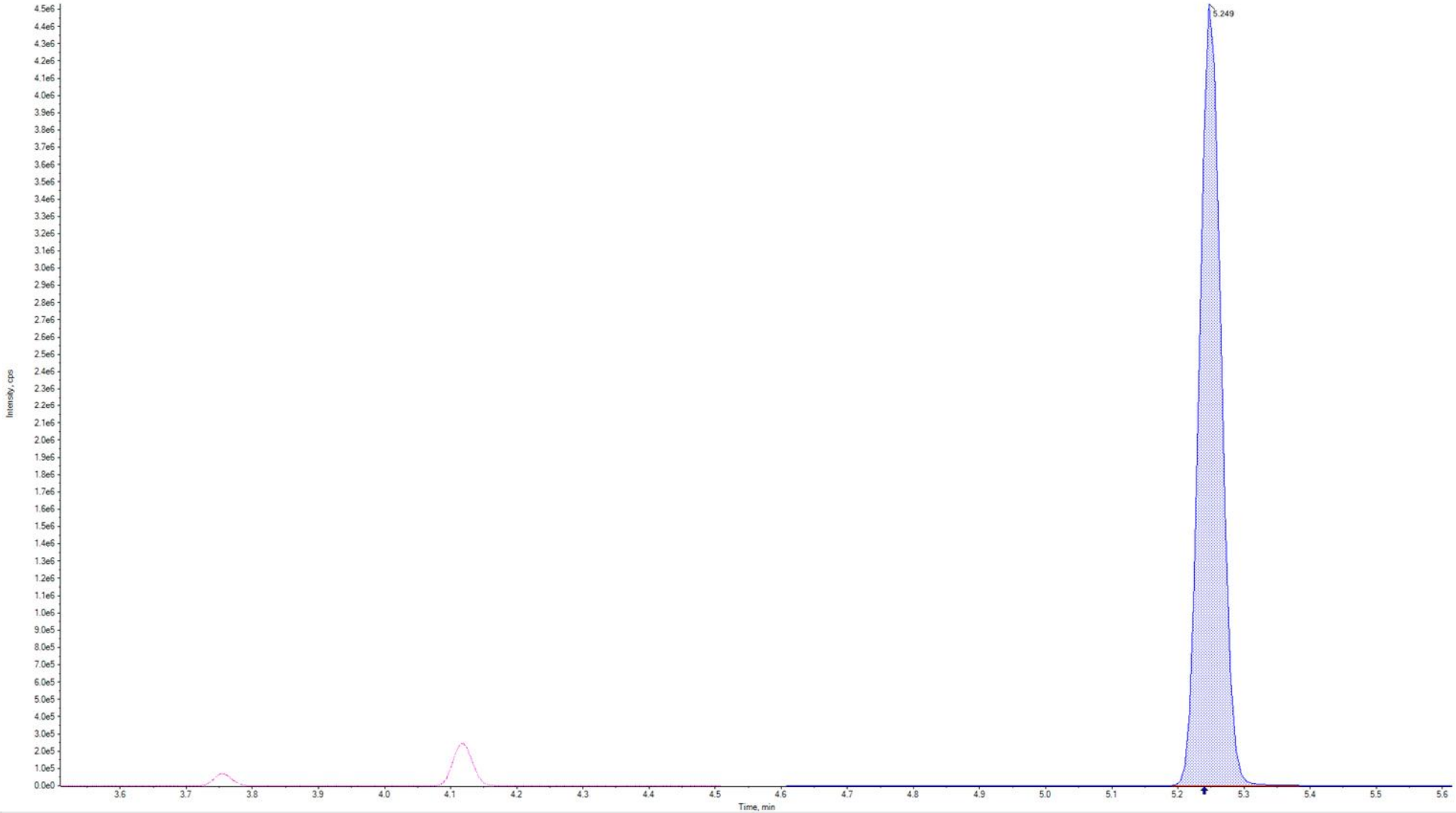
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Alpha Analytical LLC
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11Cl-PF3OUdS
Sample: IA1633STD-25 S/N:319027.2 Points Across peak:41



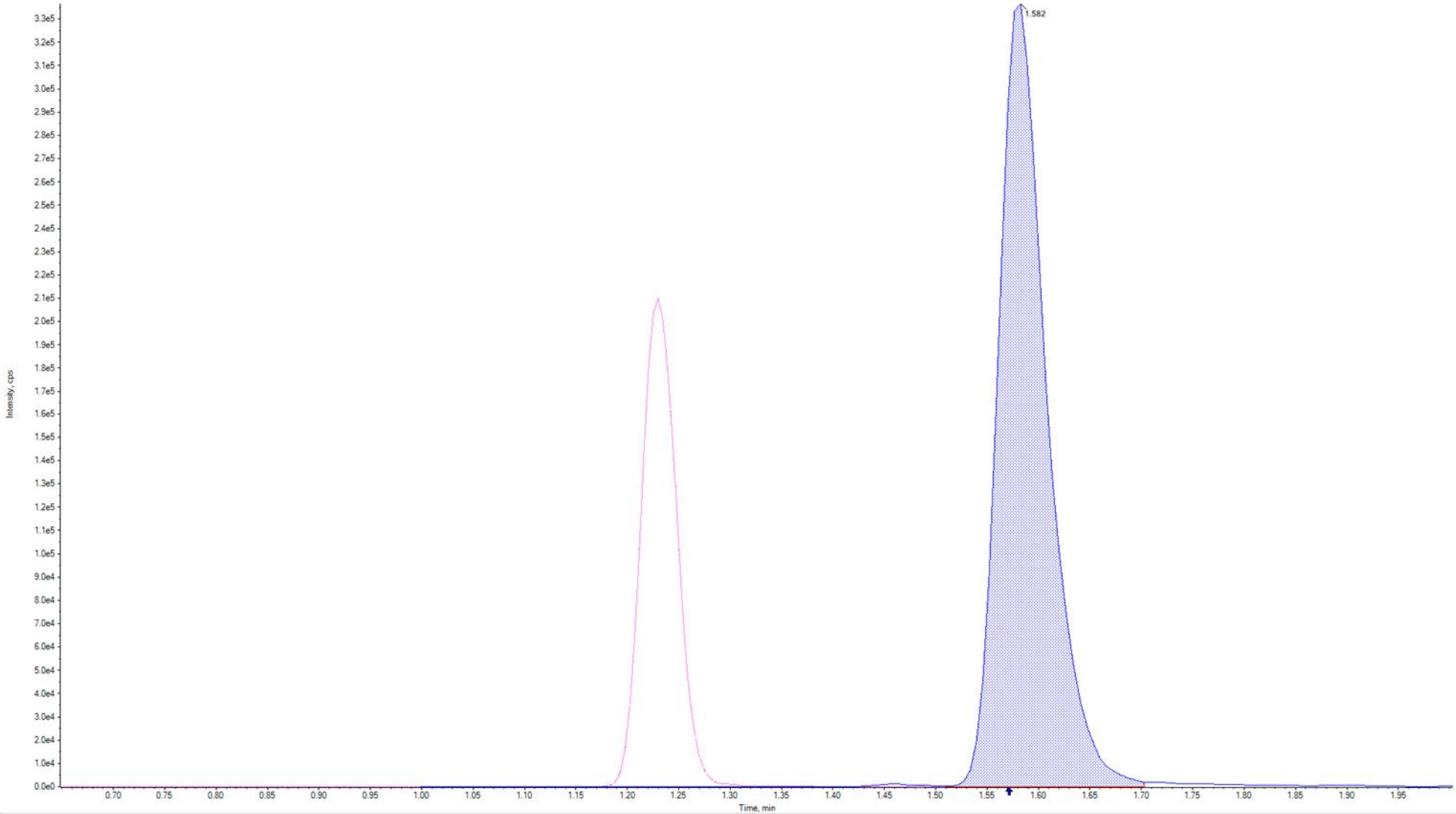
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Alpha Analytical LLC
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11Cl-PF3OUdS_2
Sample: IA1633STD-25 S/N:215773.1 Points Across peak:37



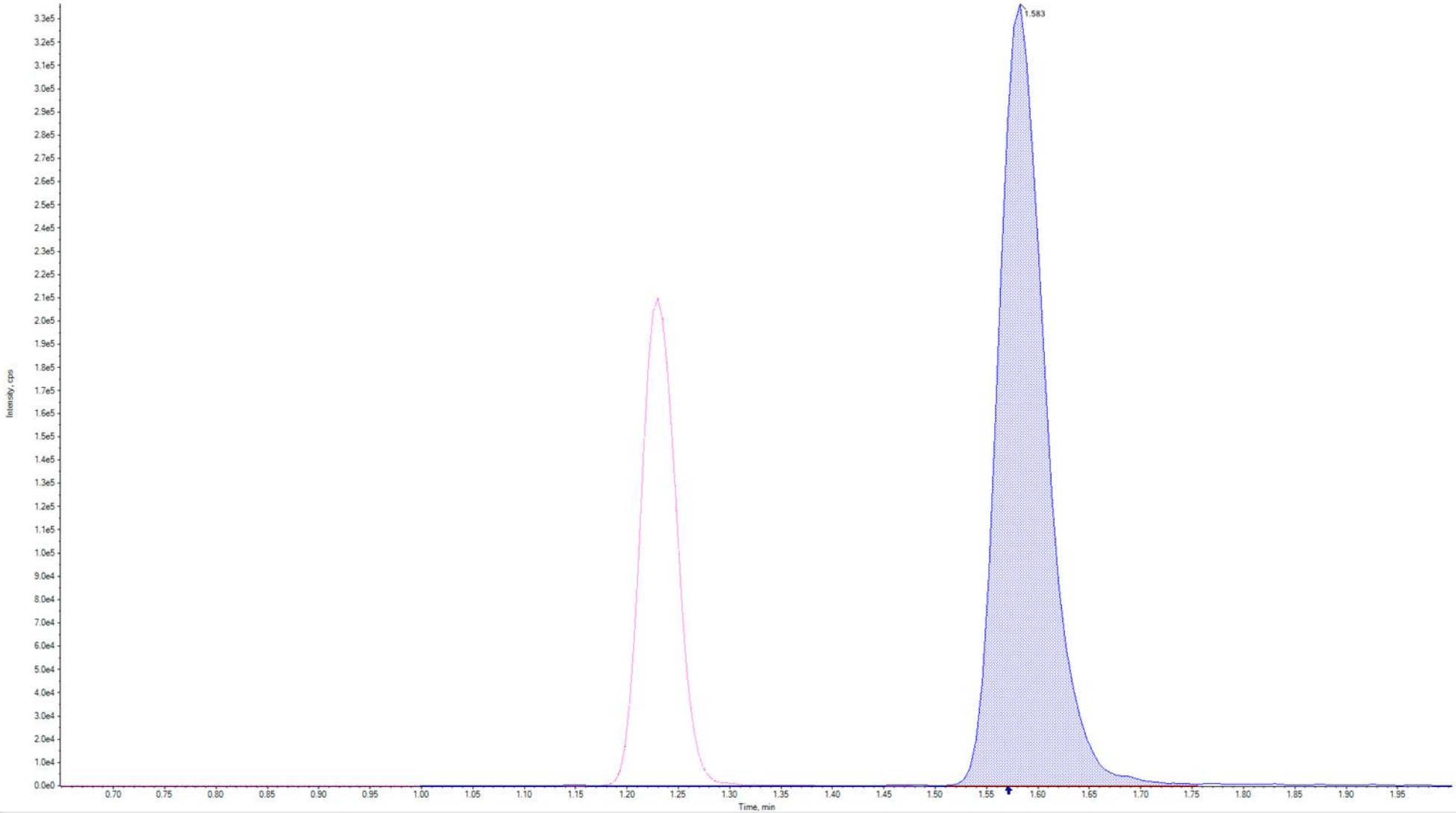
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Alpha Analytical LLC
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3:3FTCA
Sample: IA1633STD-25 S/N:3906.0 Points Across peak:33



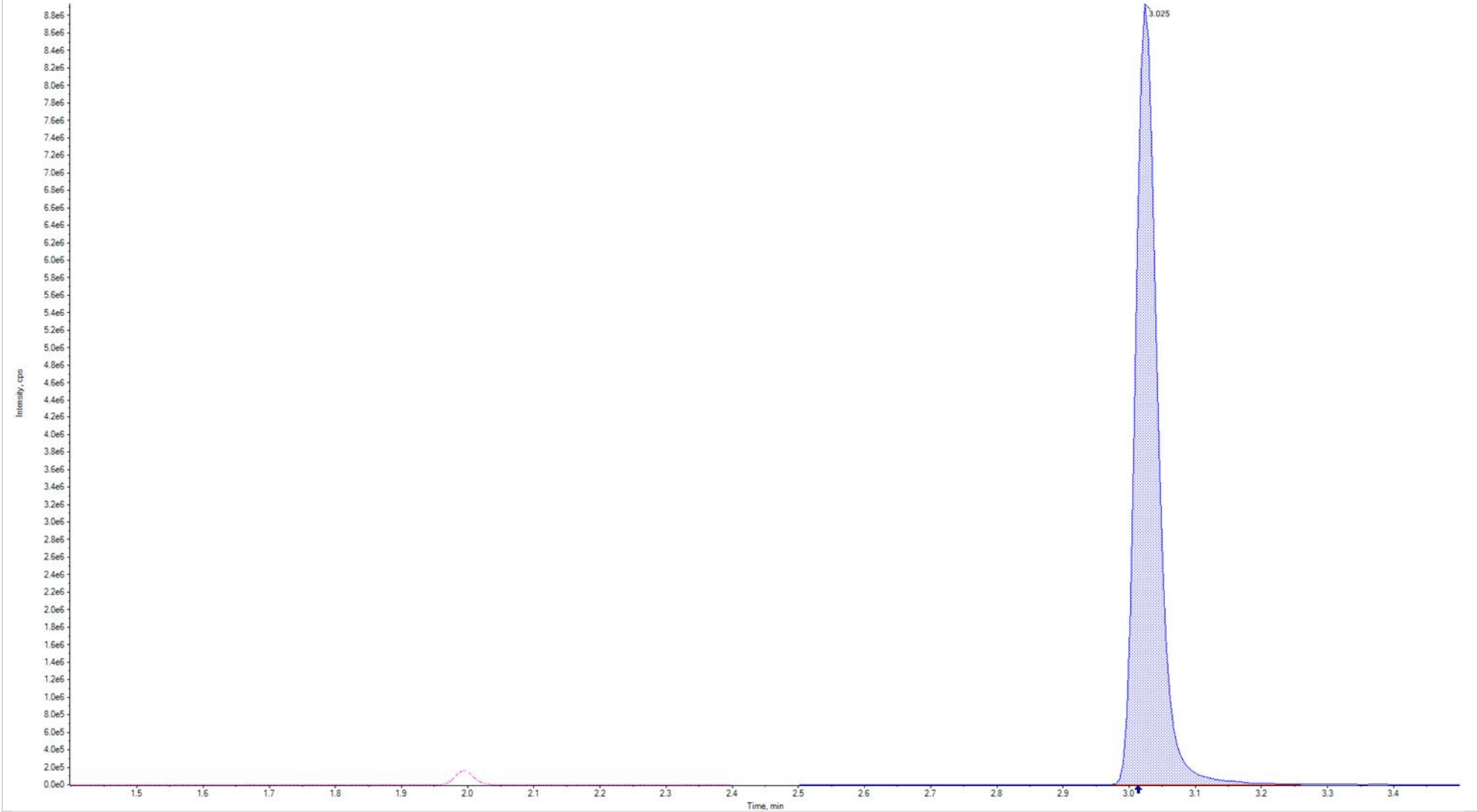
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Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

3:3FTCA_2
Sample: IA1633STD-25 S/N:8432.0 Points Across peak:43



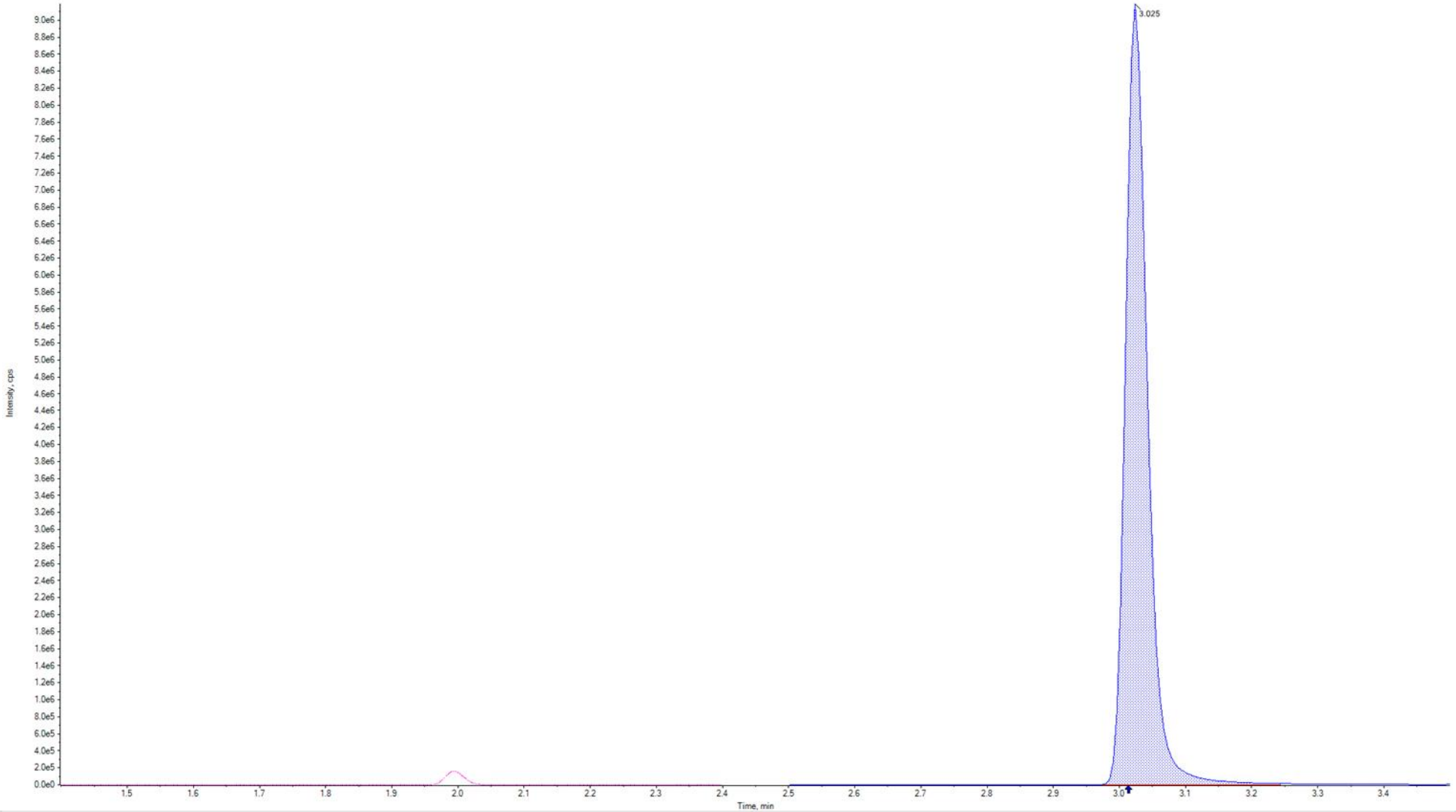
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

5:3FTCA
Sample: IA1633STD-25 S/N:36831.8 Points Across peak:55



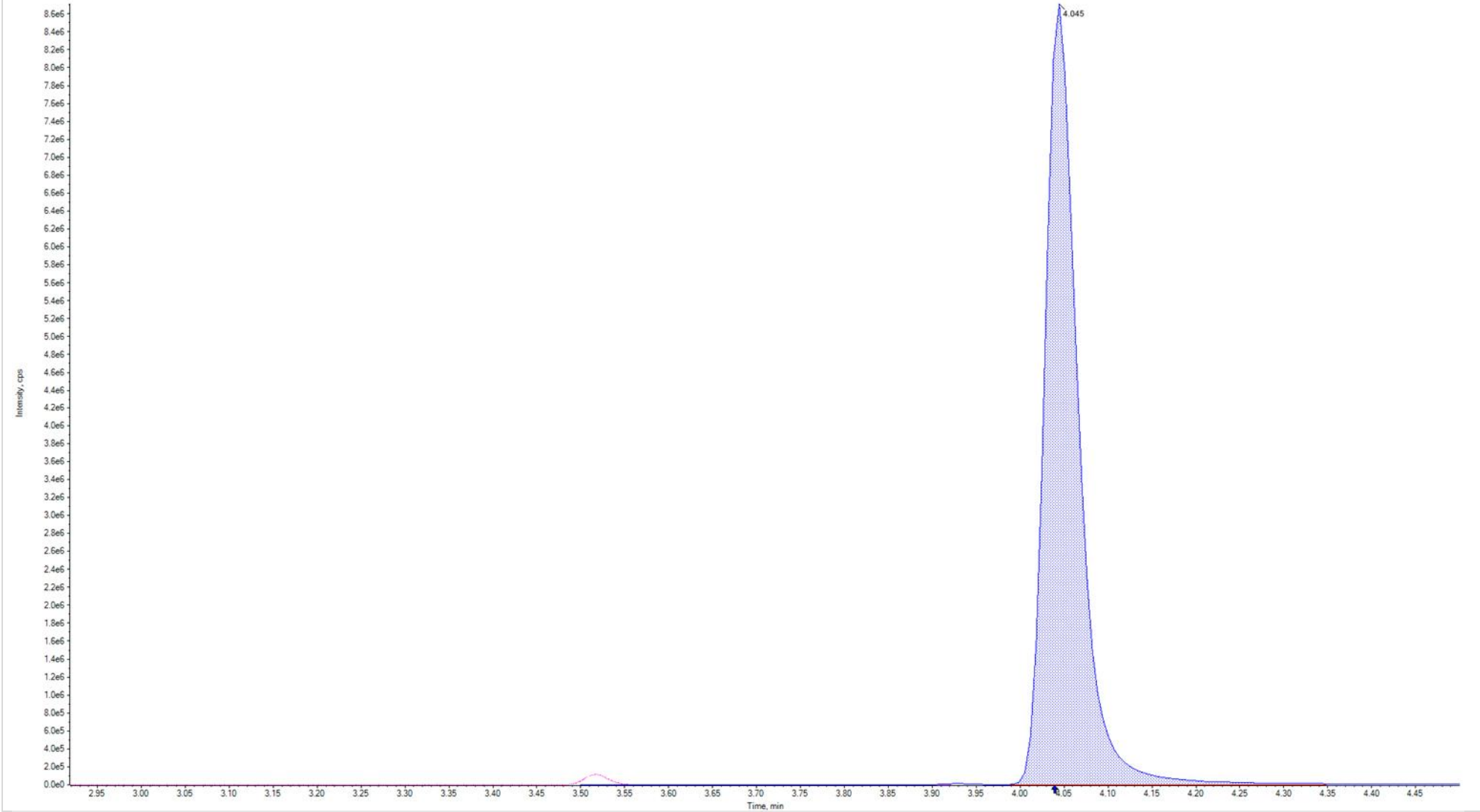
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5:3FTCA_2
Sample: IA1633STD-25 S/N:20315.7 Points Across peak:52



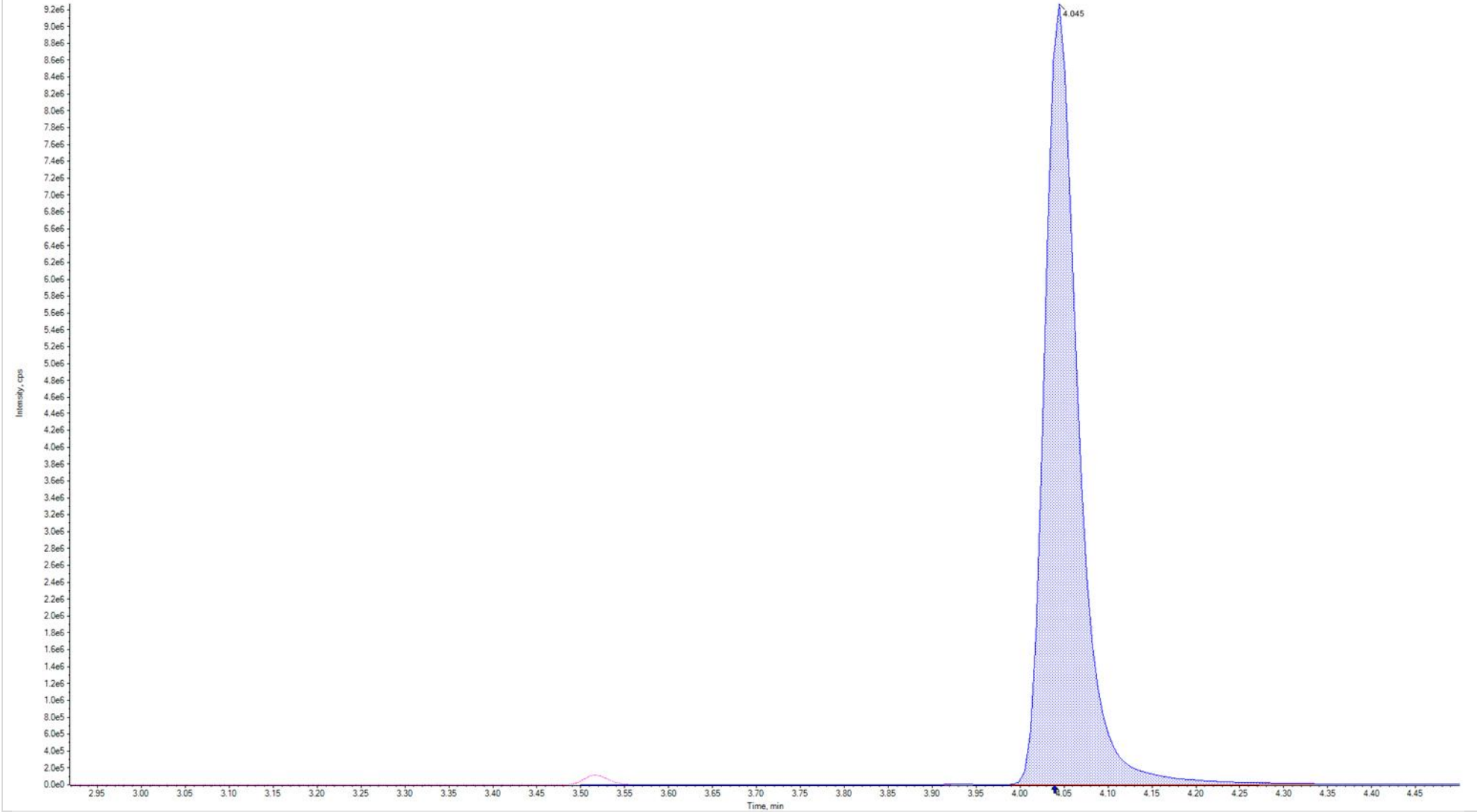
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

7:3FTCA
Sample: IA1633STD-25 S/N:24690.5 Points Across peak:70



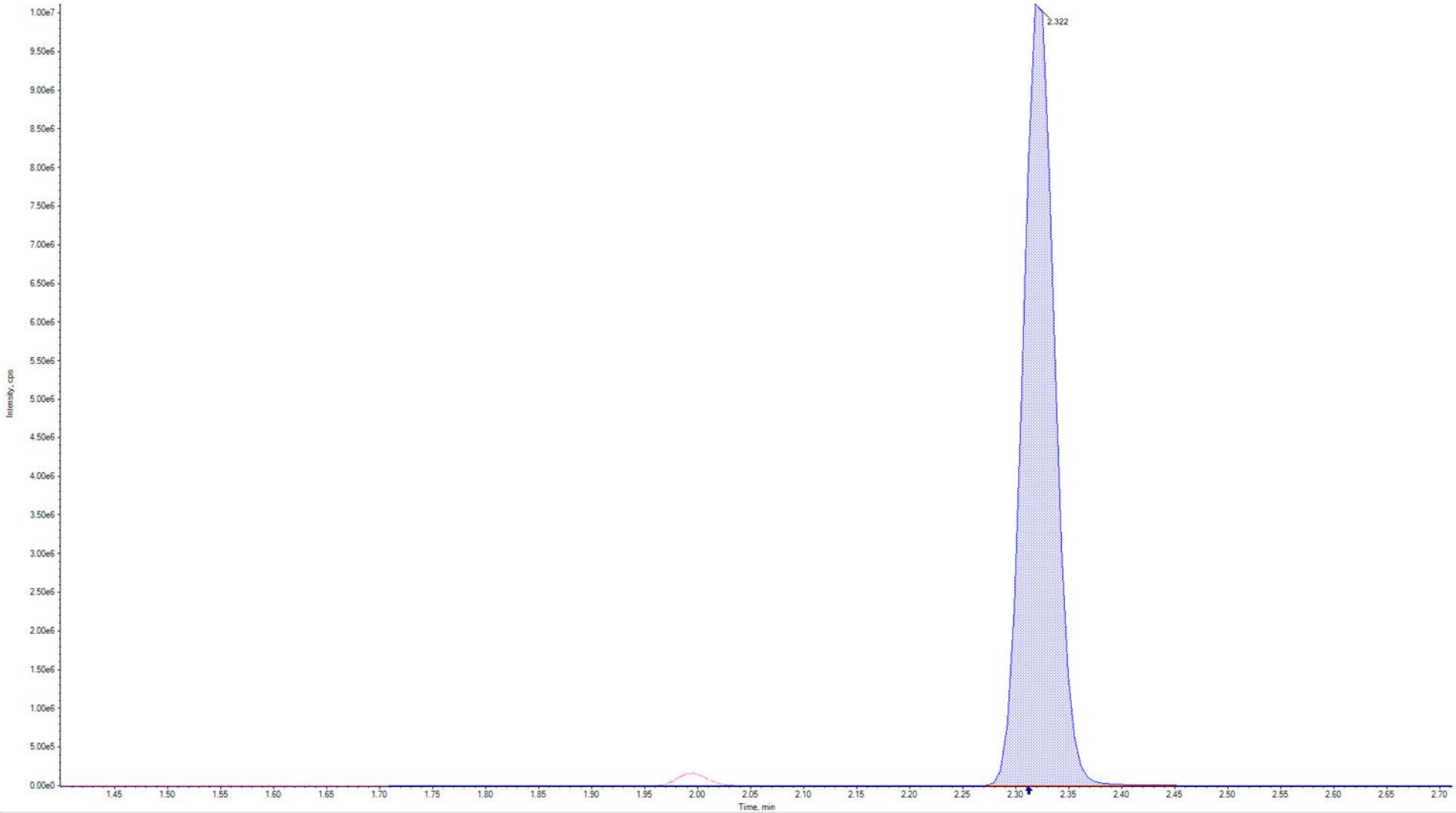
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_17.wiff2_7
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

7:3FTCA_2
Sample: IA1633STD-25 S/N:21175.6 Points Across peak:73



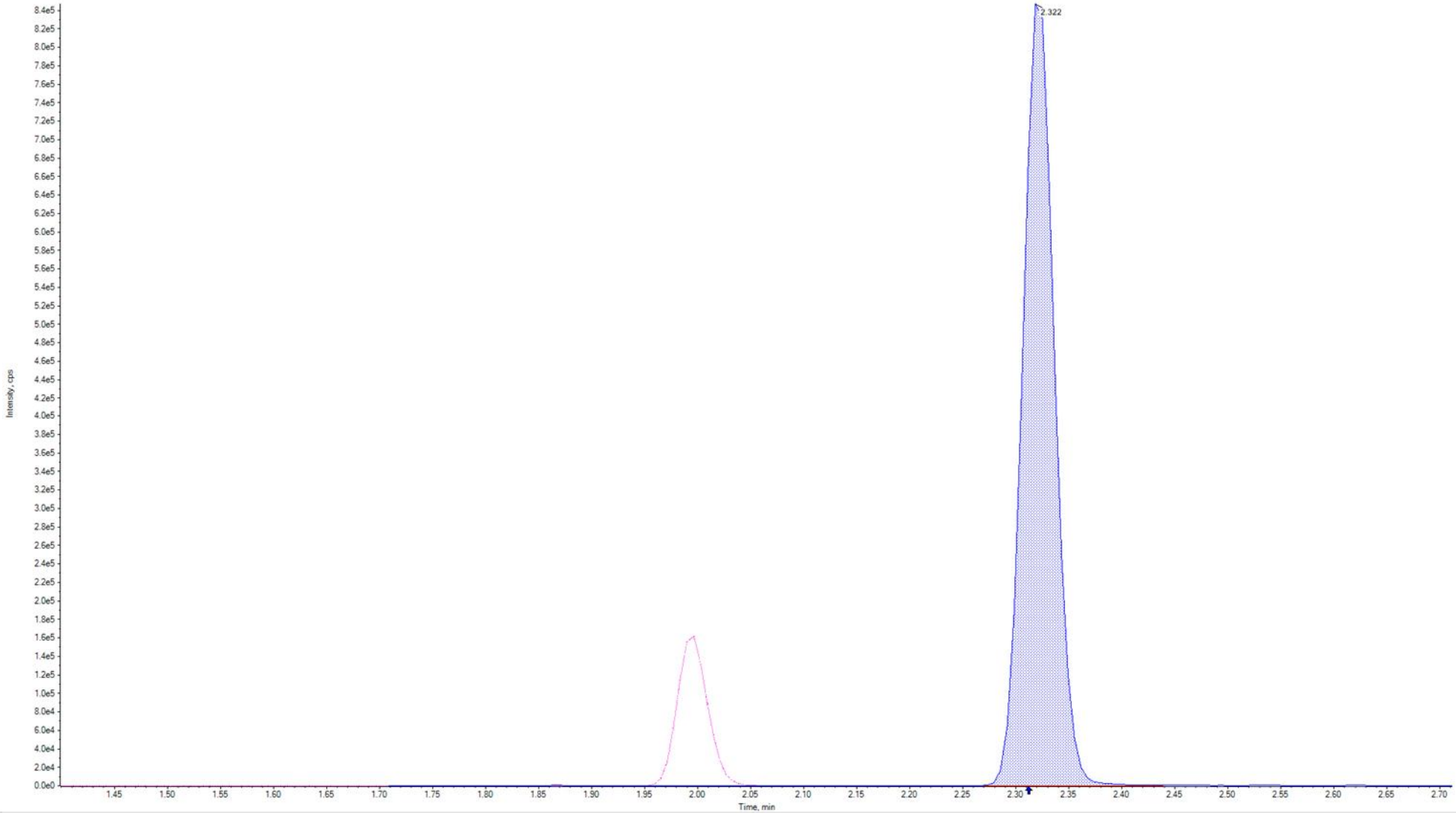
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFEESA
Sample: IA1633STD-25 S/N:228211.3 Points Across peak:51



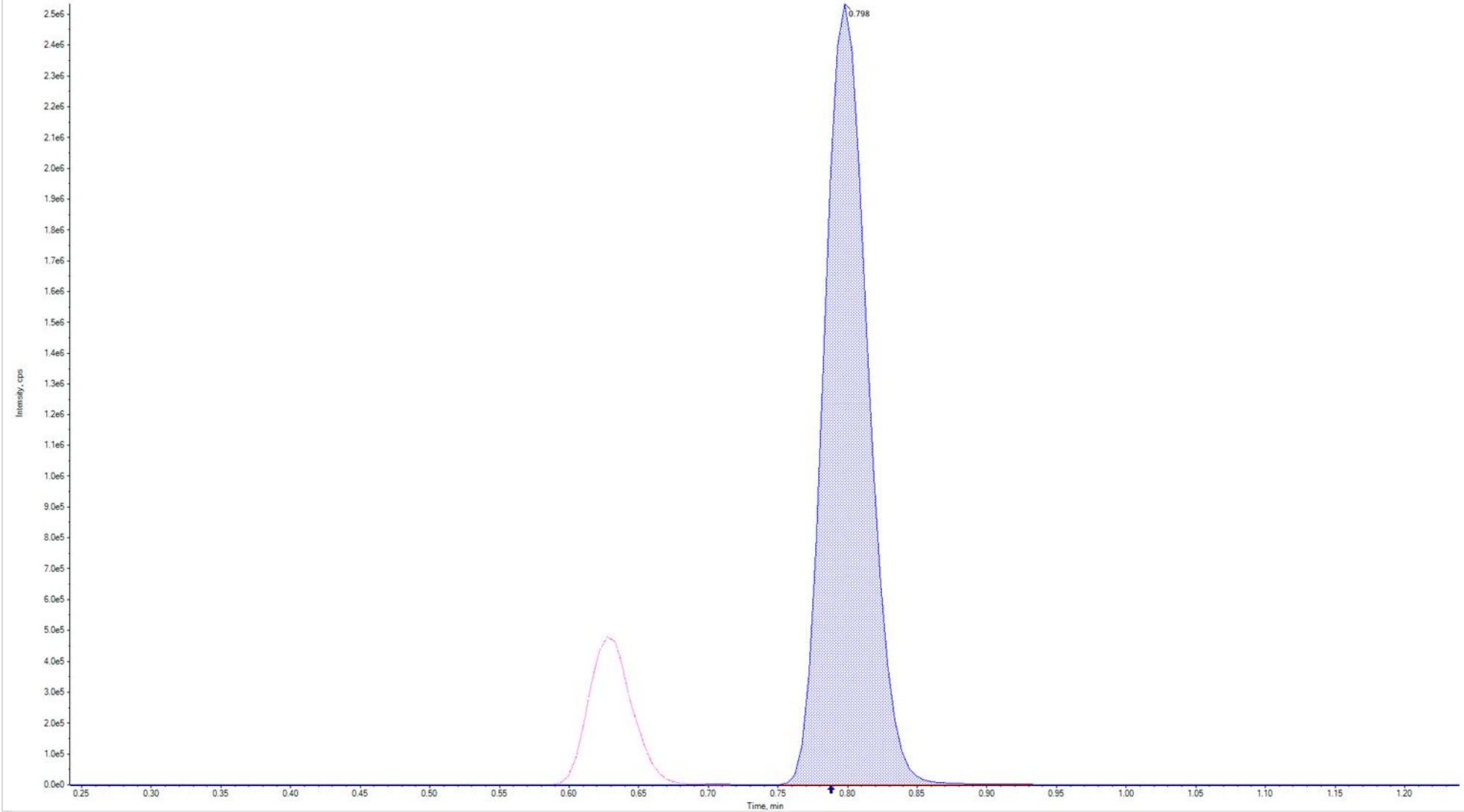
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_17.wiff2_7
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFEESA_2
Sample: IA1633STD-25 S/N:13776.5 Points Across peak:38



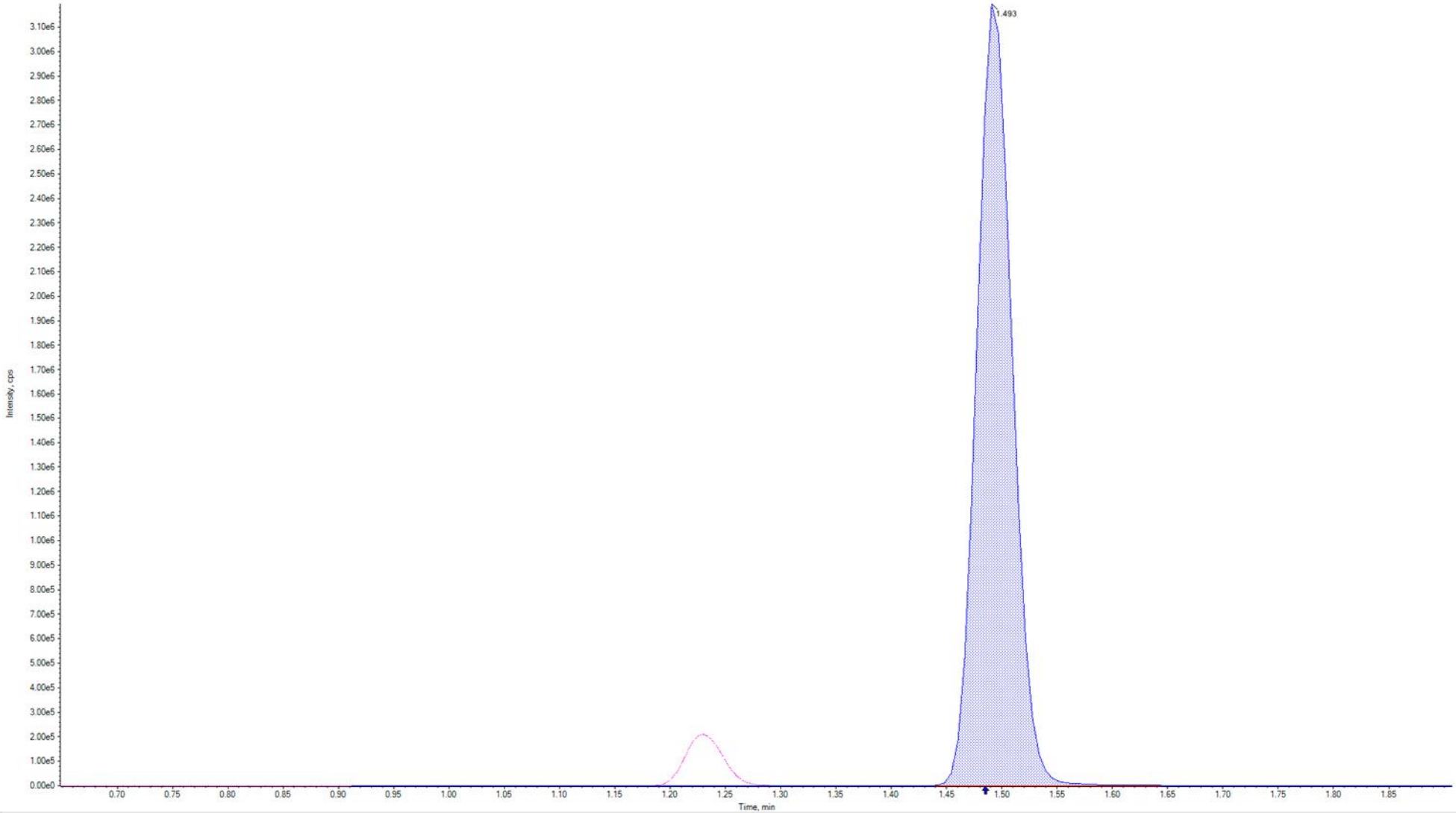
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFMPA
Sample: IA1633STD-25 S/N:49740.0 Points Across peak:42



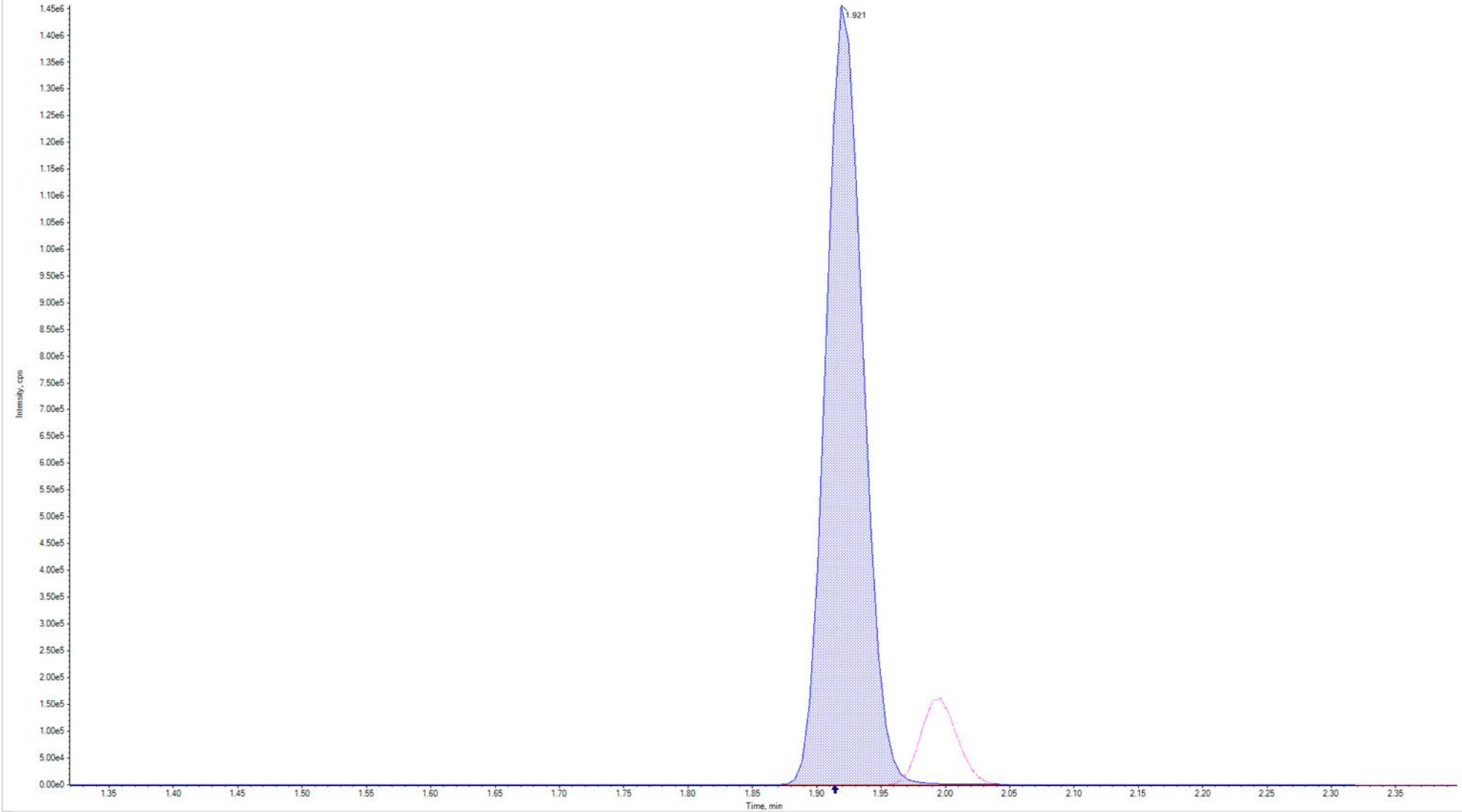
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Alpha Analytical LLC
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PFMBA
Sample: IA1633STD-25 S/N:184159.2 Points Across peak:51



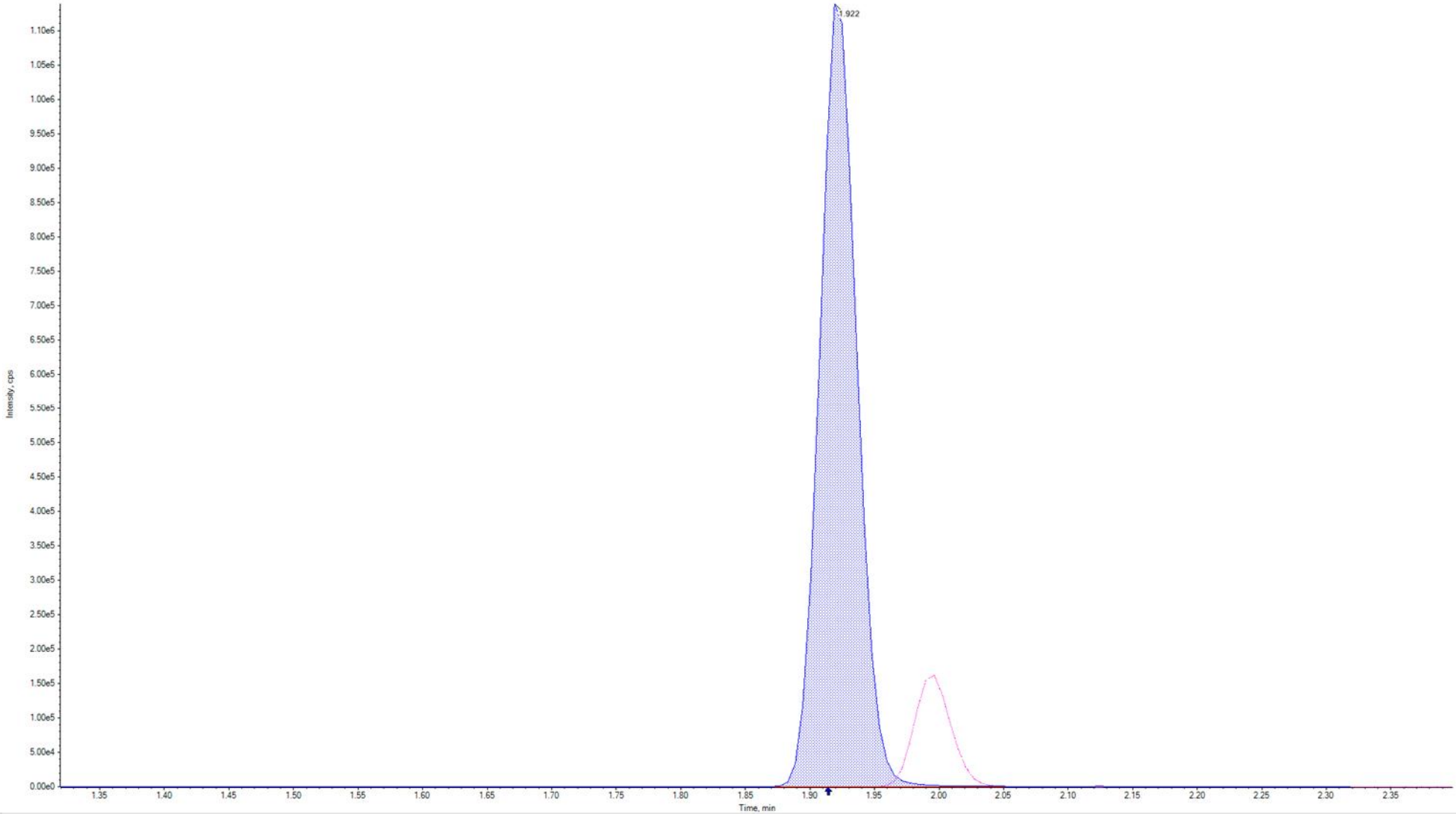
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Alpha Analytical LLC
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NFDHA
Sample: IA1633STD-25 S/N:22817.3 Points Across peak:37

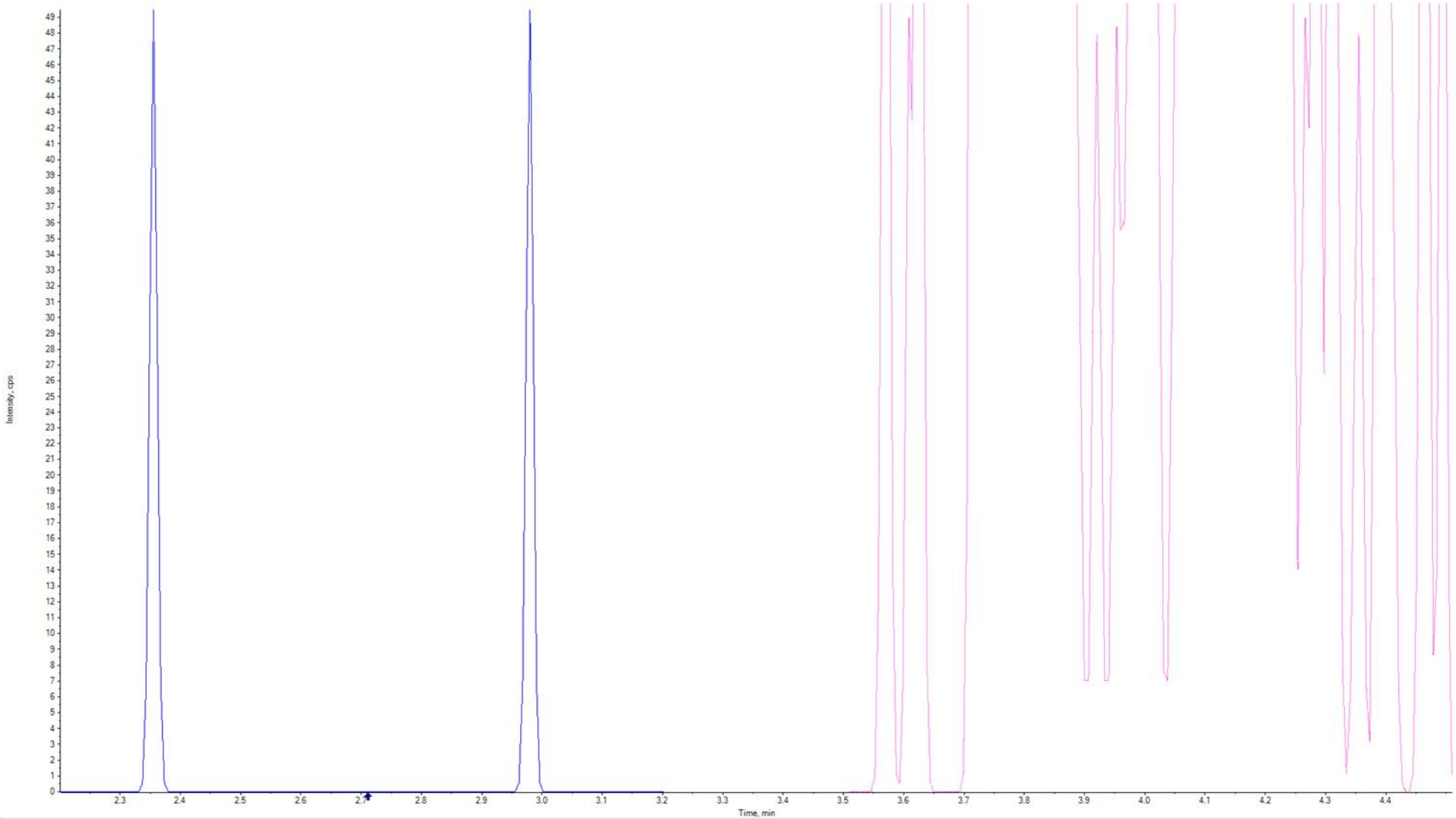


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Alpha Analytical LLC
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NFDHA_2
Sample: IA1633STD-25 S/N:31393.4 Points Across peak:42

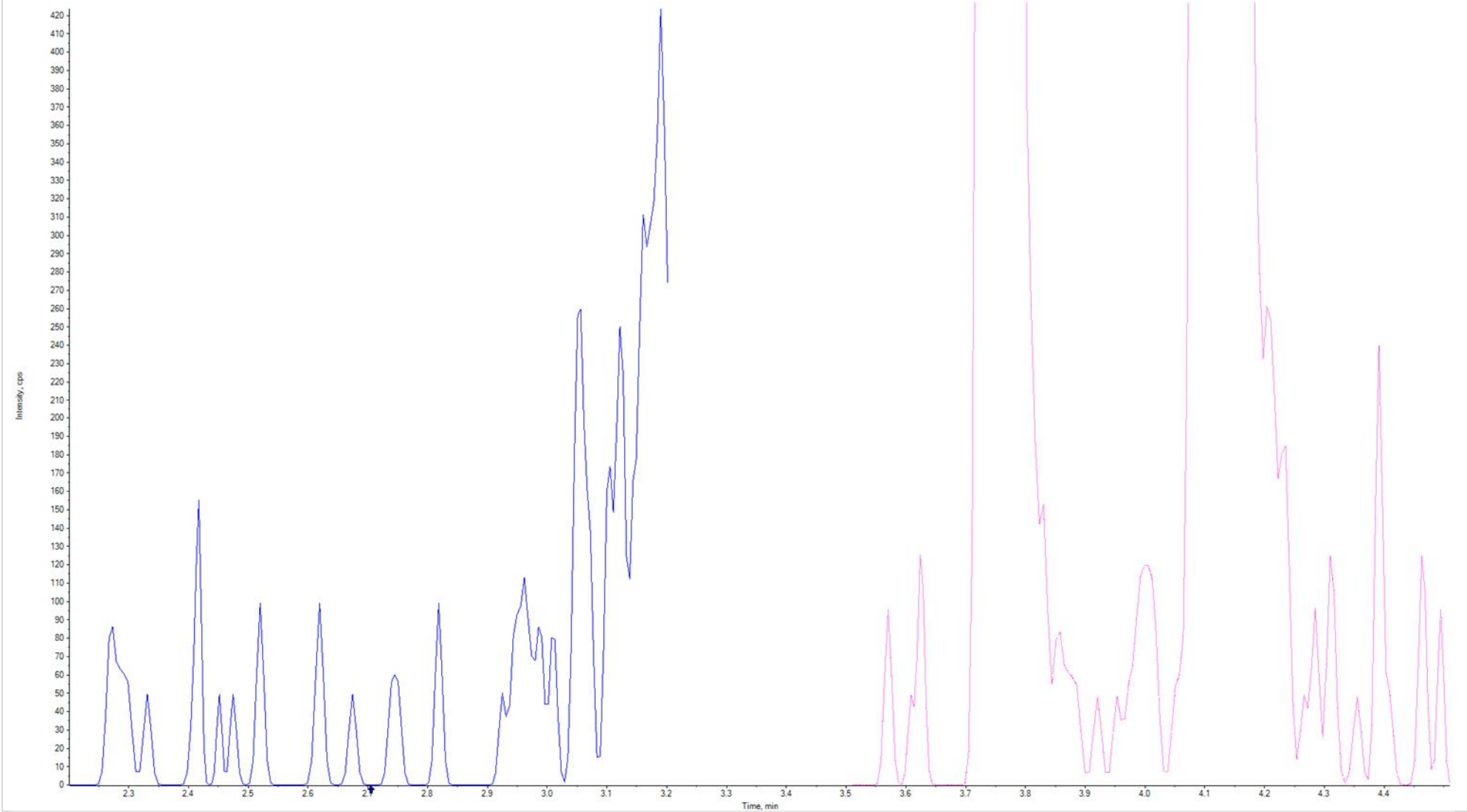


TDCA
Sample: IA1633STD-25 S/N:N/A Points Across peak:N/A



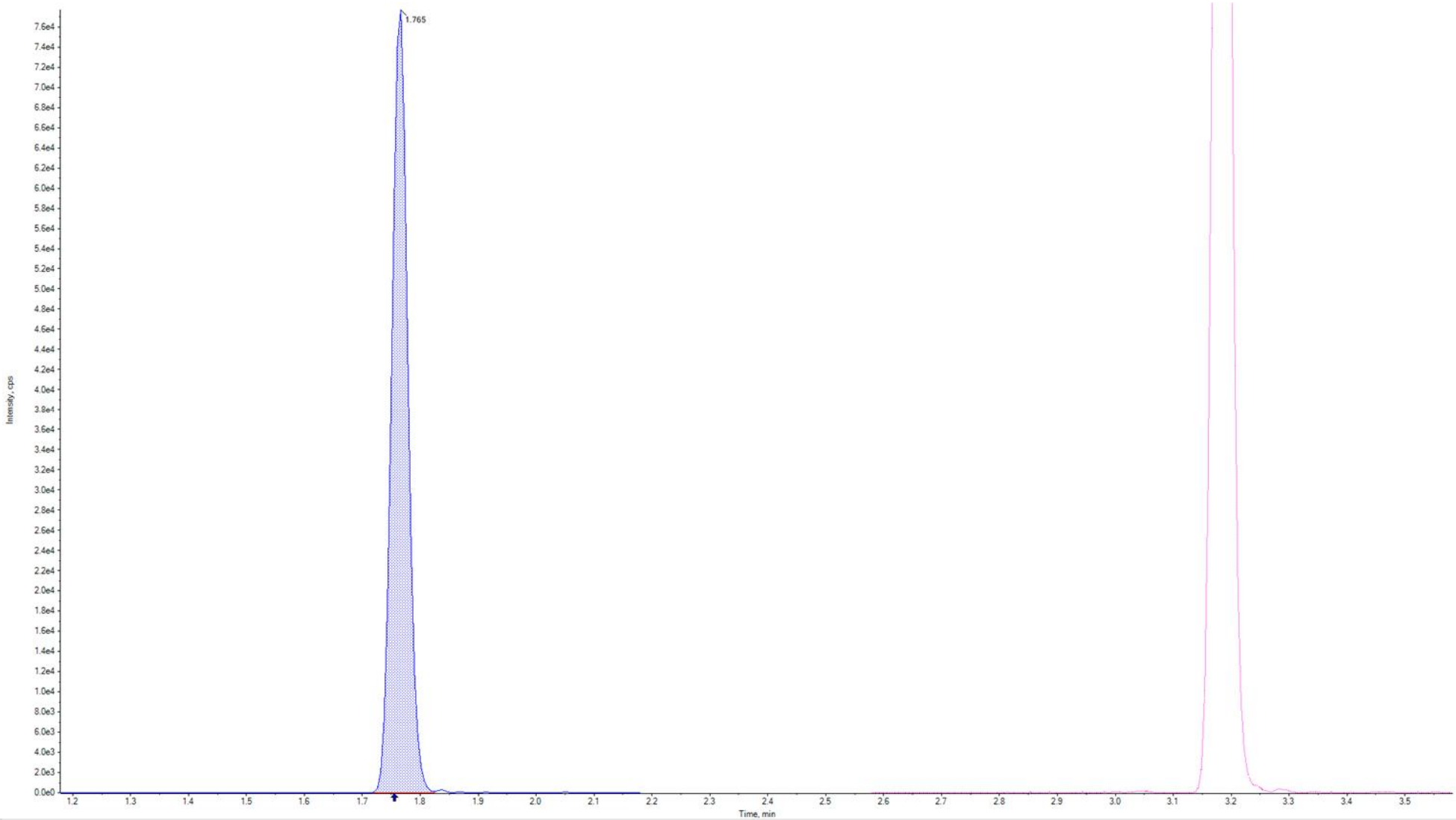
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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TDCA_2
Sample: IA1633STD-25 S/N:N/A Points Across peak:N/A



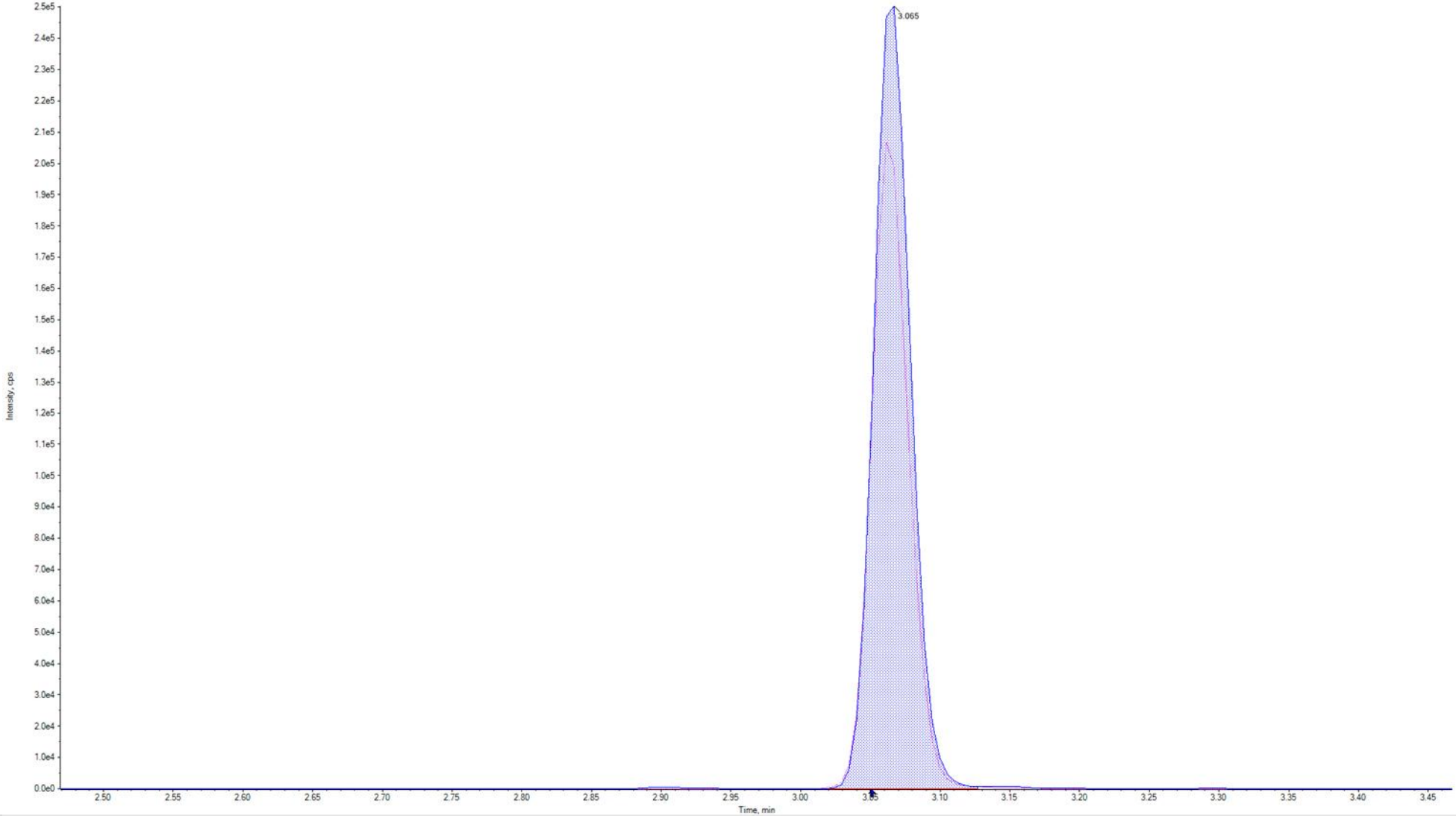
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13C2D4-4:2FTS
Sample: IA1633STD-25 S/N:2920.9 Points Across peak:26

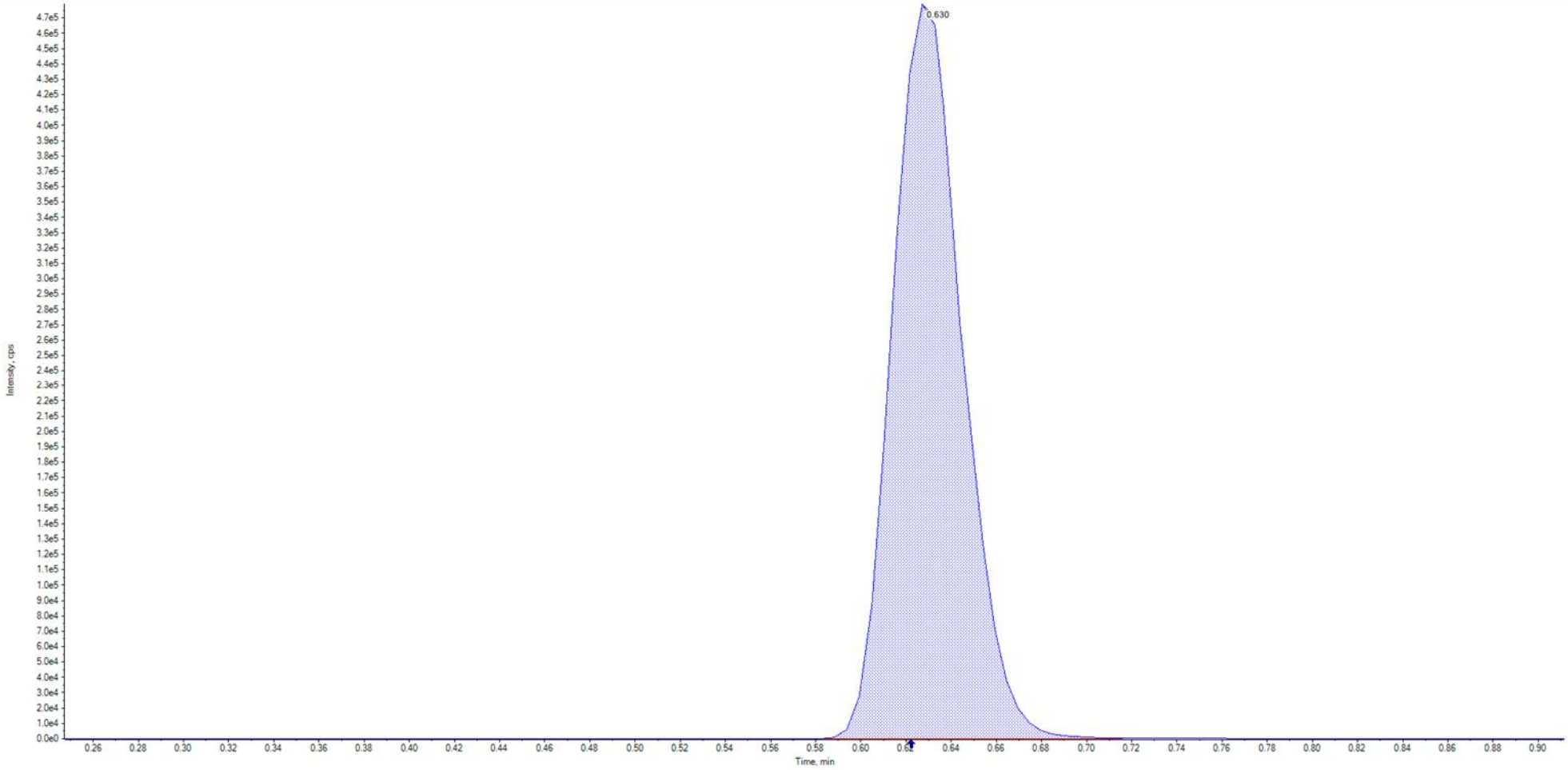


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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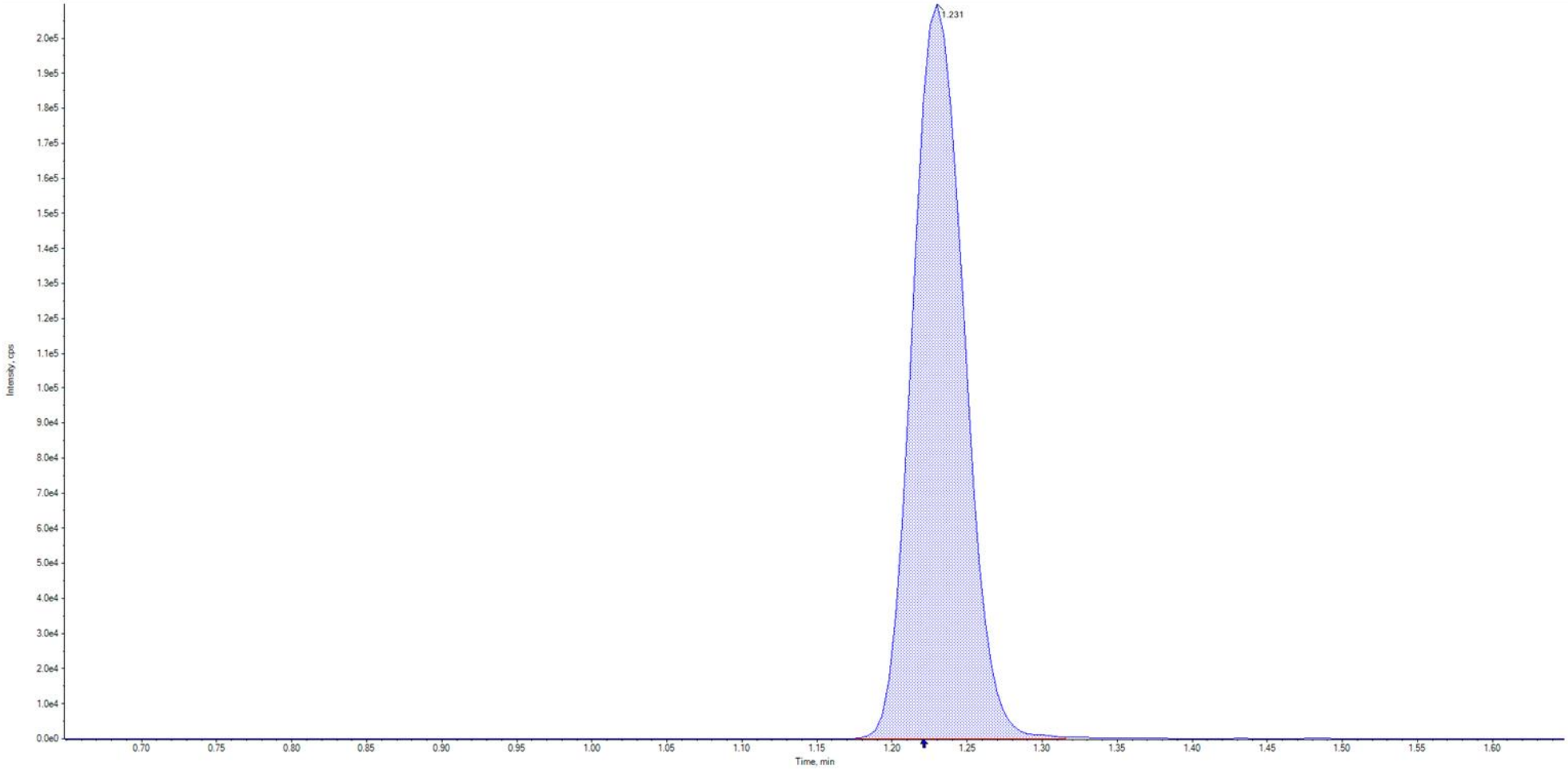
13C2-PFOA
Sample: IA1633STD-25 S/N:5646.2 Points Across peak:24



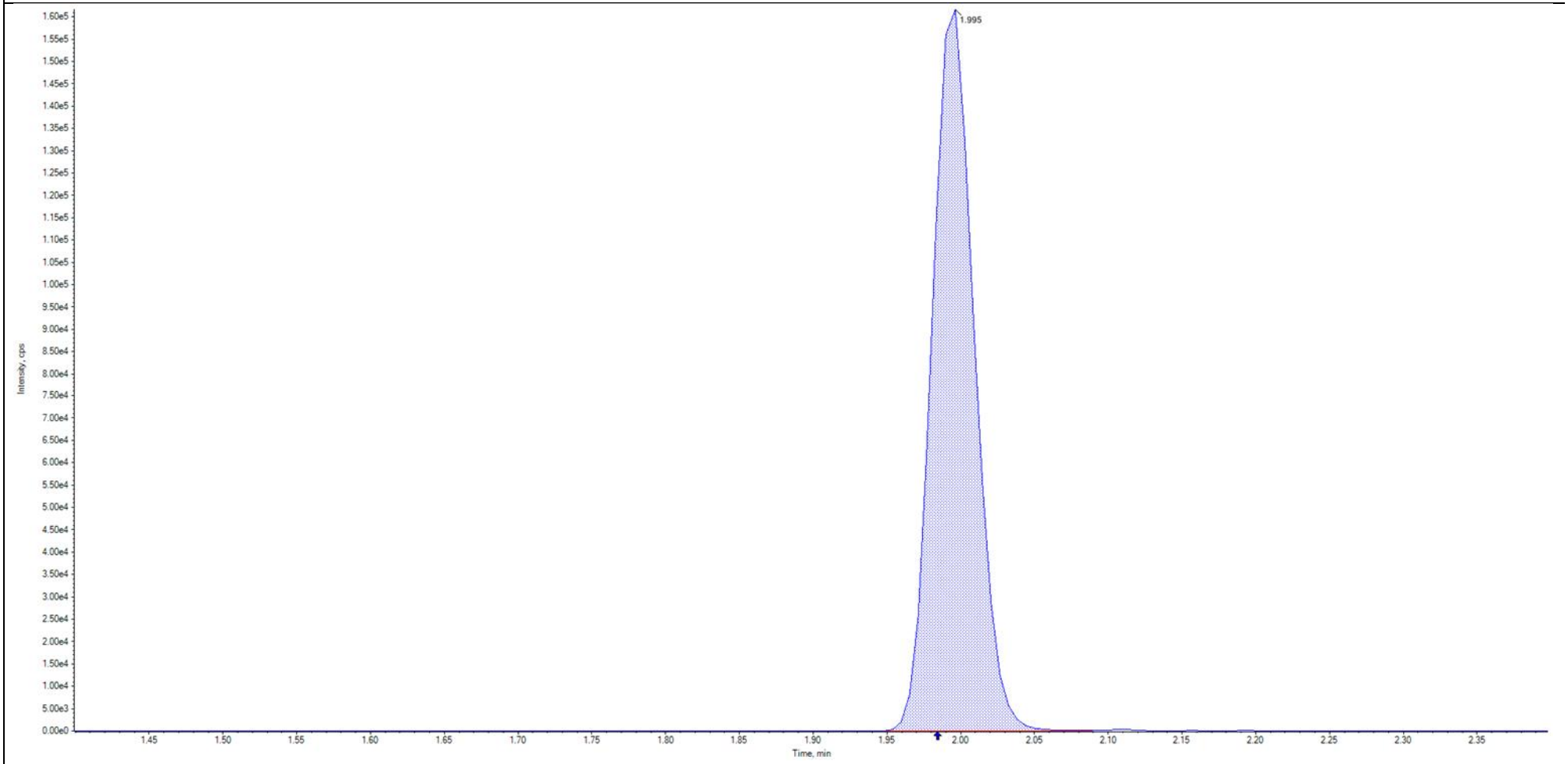
13C4-PFBA
Sample: IA1633STD-25



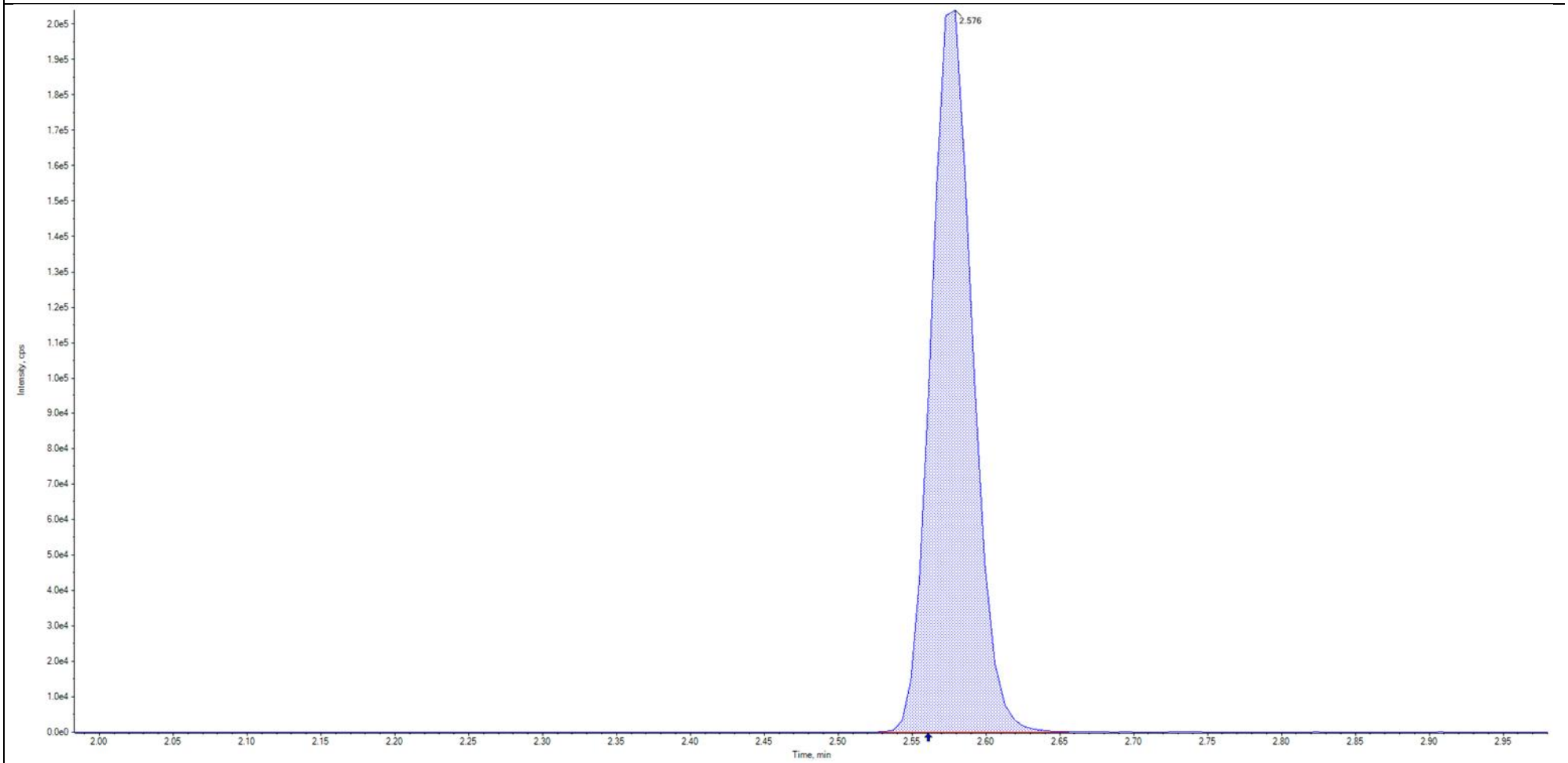
13C5-PFPeA
Sample: IA1633STD-25



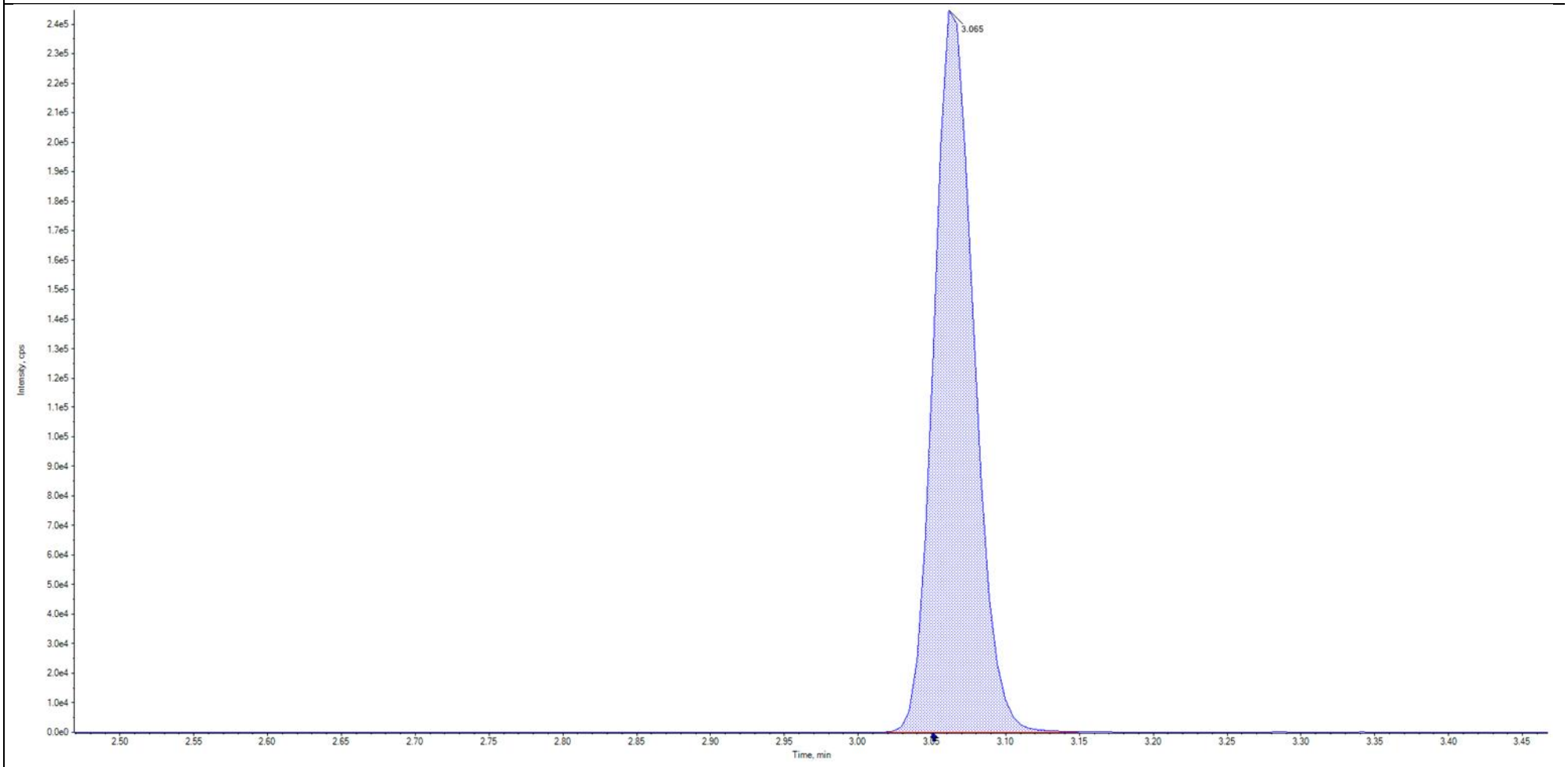
13C5-PFHxA
Sample: IA1633STD-25



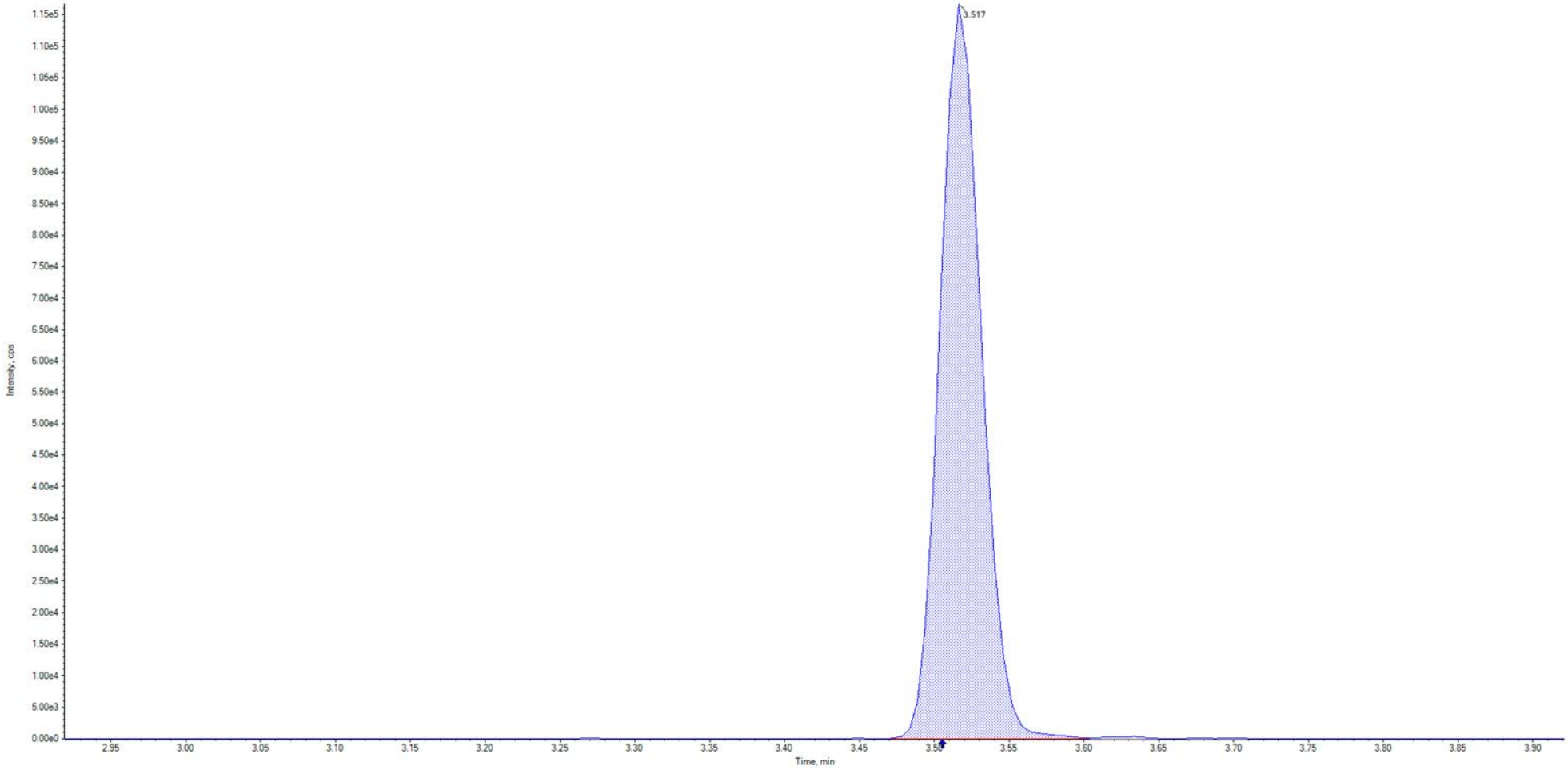
13C4-PFHpA
Sample: IA1633STD-25



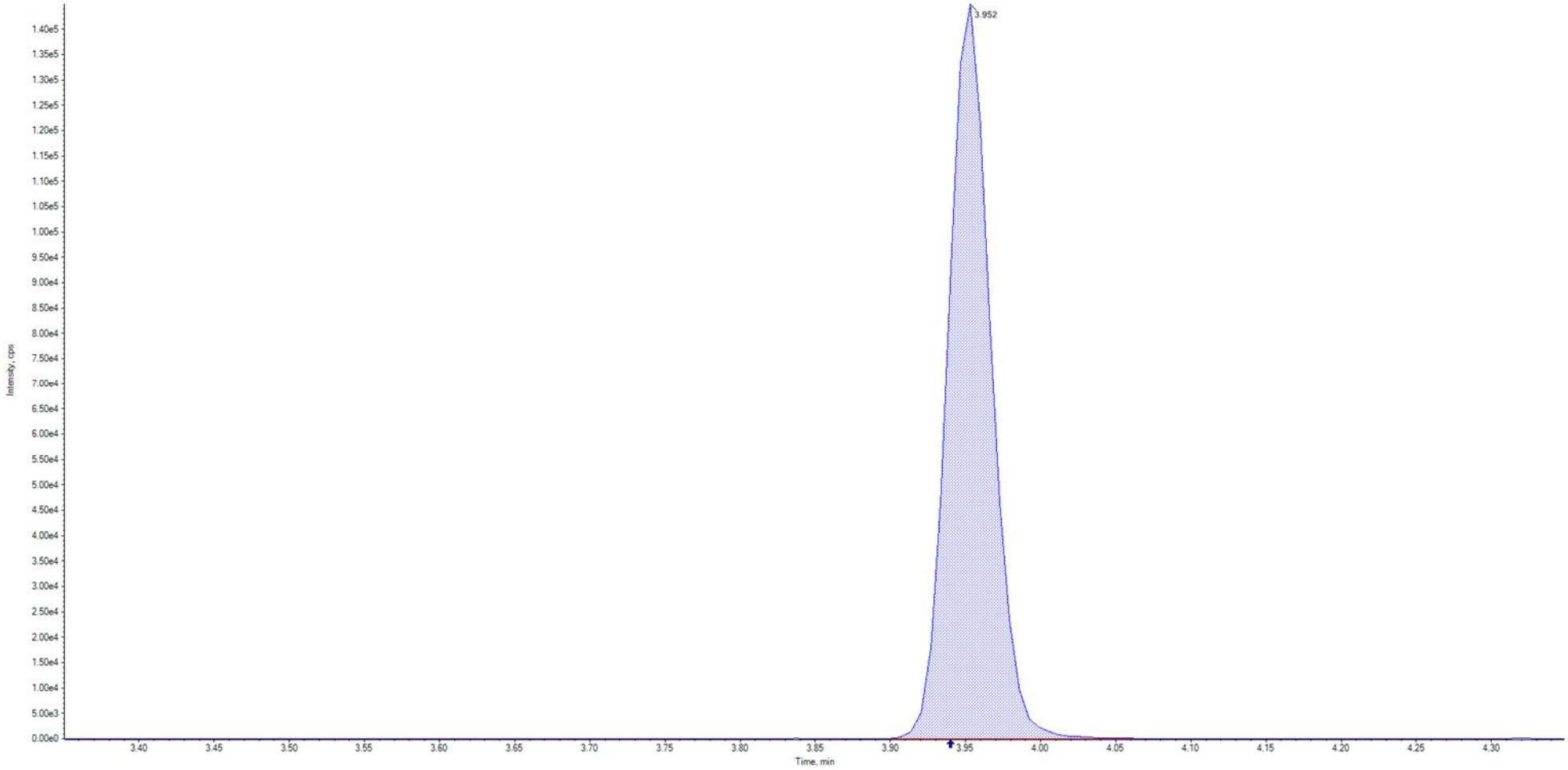
13C8-PFOA
Sample: IA1633STD-25



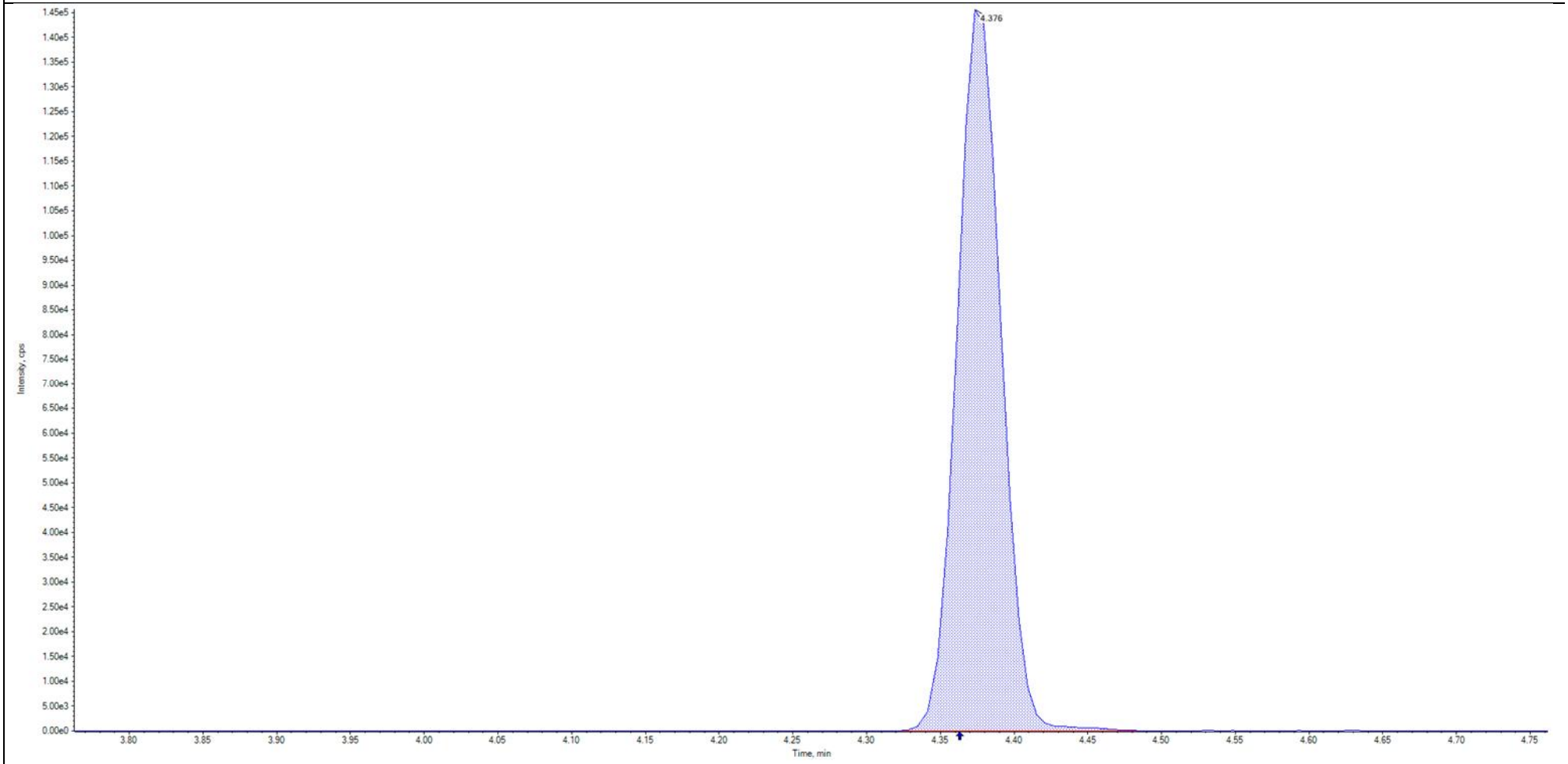
13C9-PFNA
Sample: IA1633STD-25



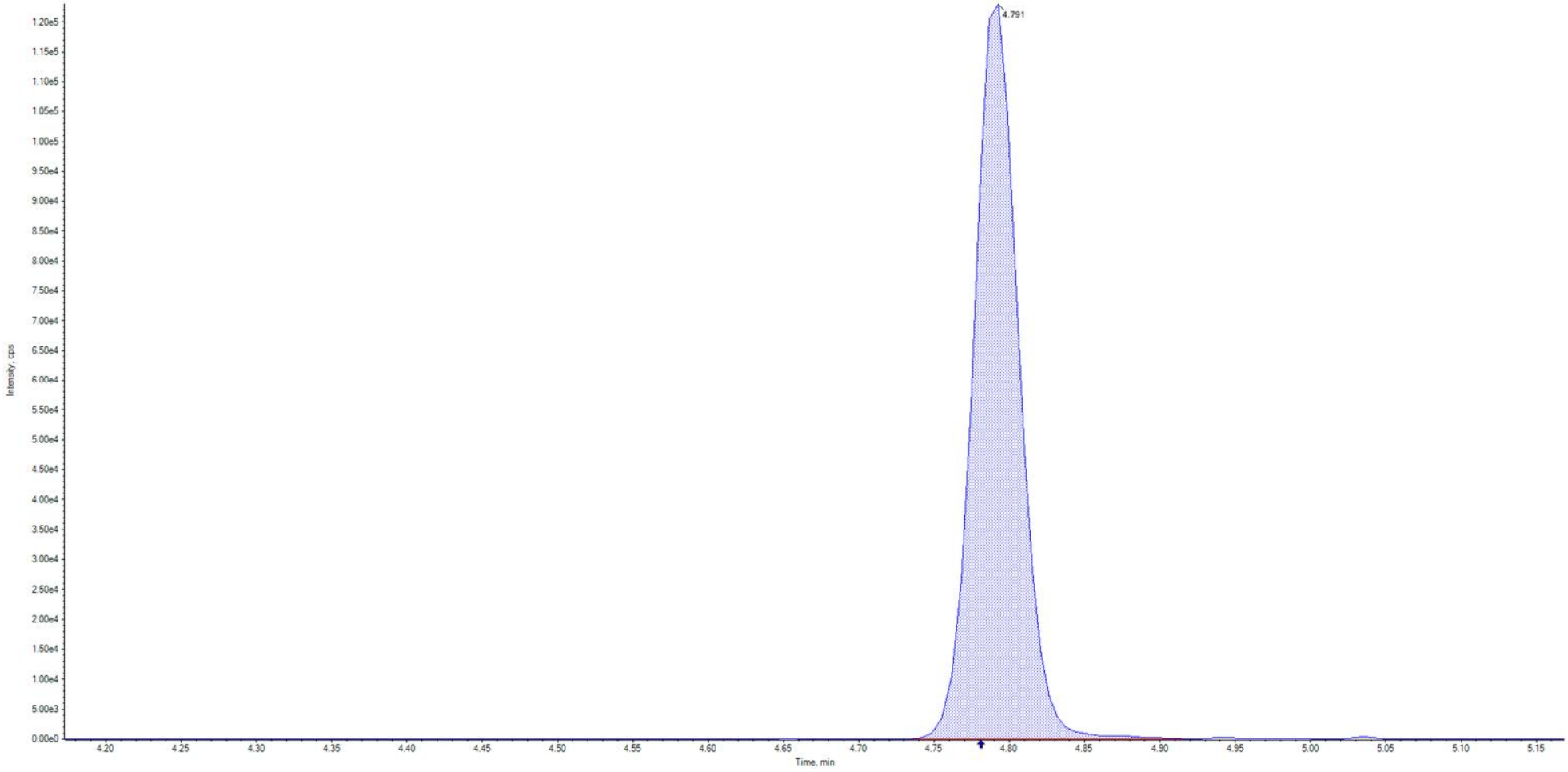
13C6-PFDA
Sample: IA1633STD-25



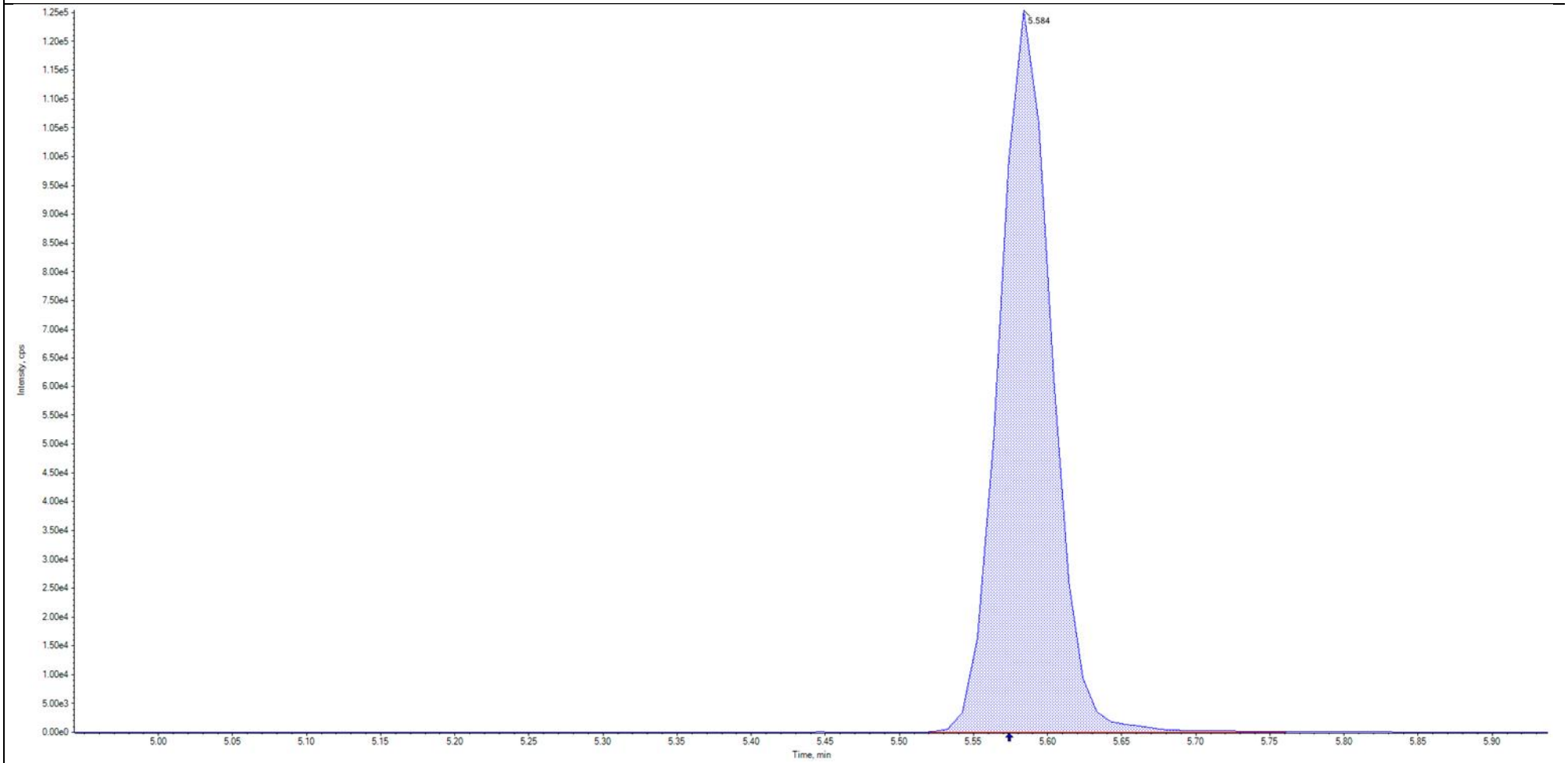
13C7-PFUnA
Sample: IA1633STD-25



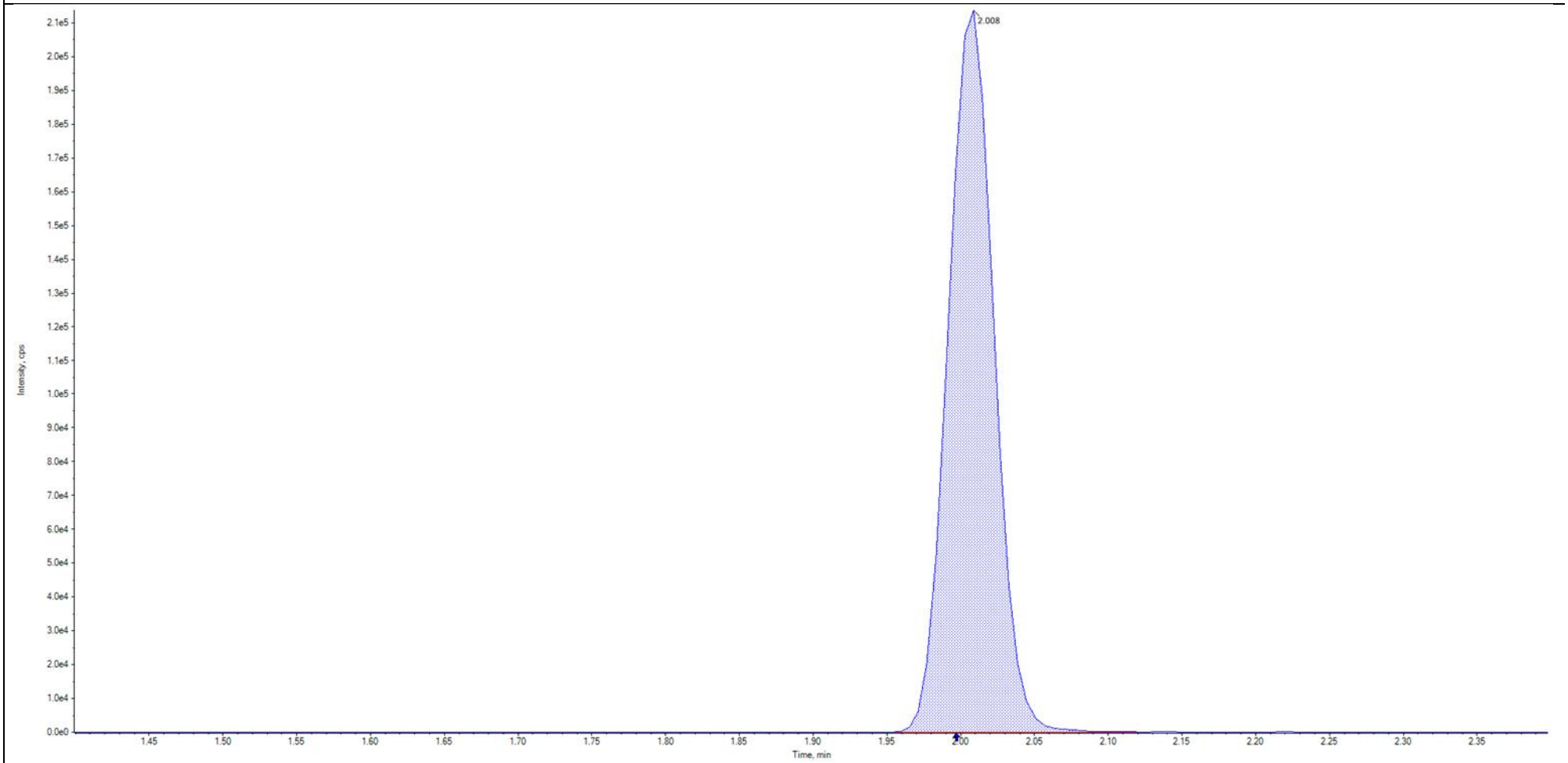
13C2-PFDoA
Sample: IA1633STD-25



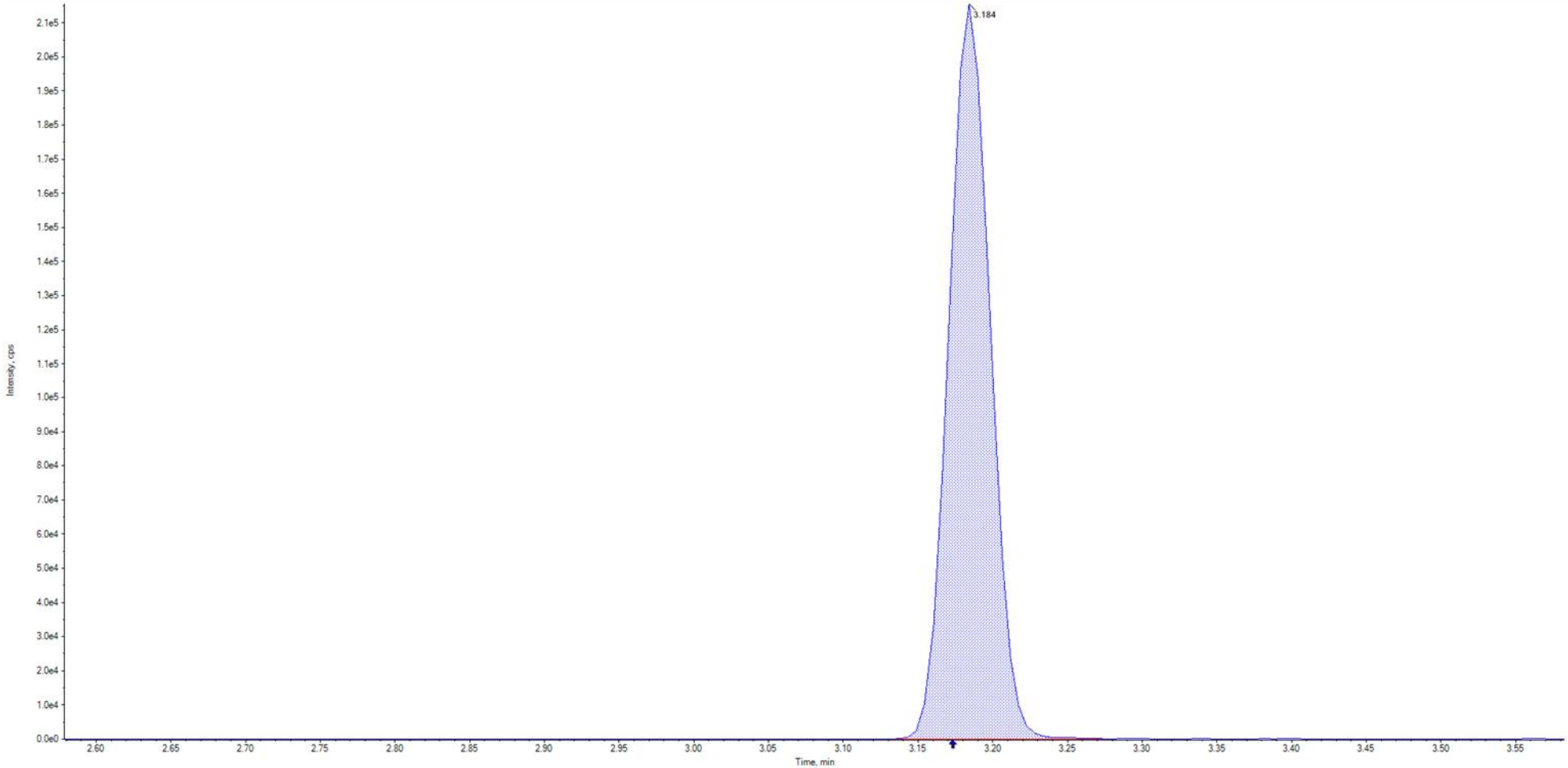
13C2-PFTeDA
Sample: IA1633STD-25



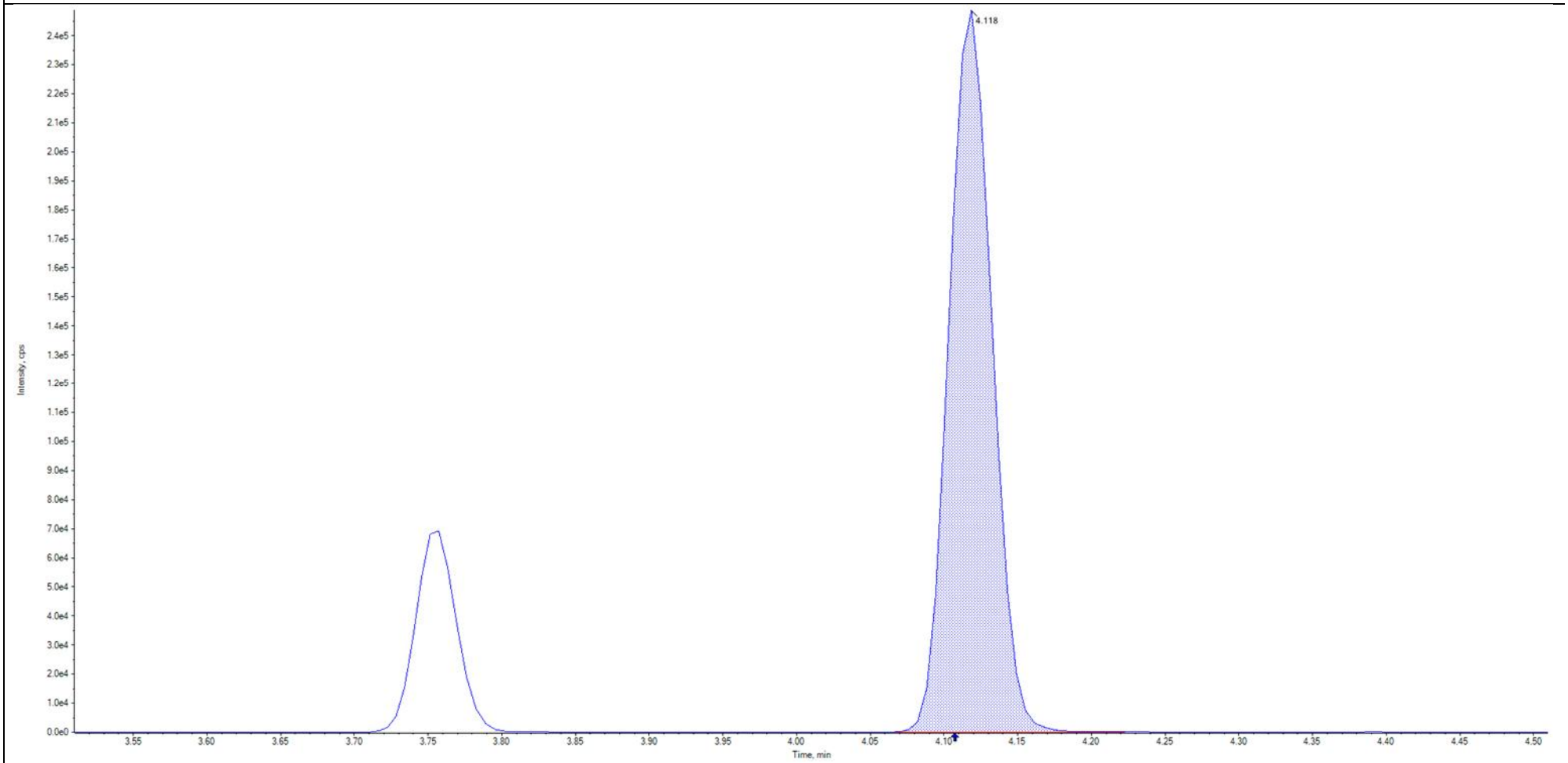
13C3-PFBS
Sample: IA1633STD-25



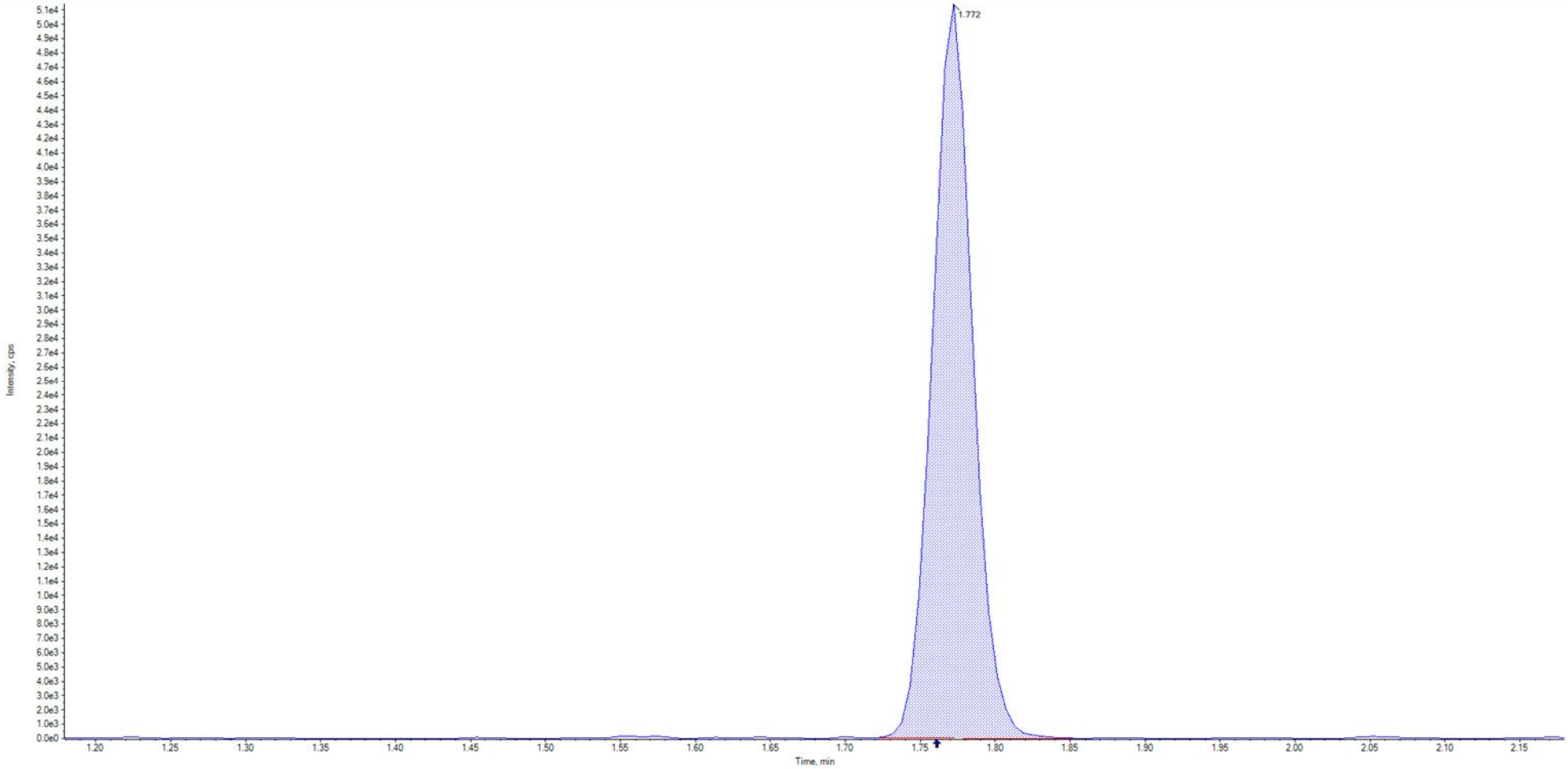
13C3-PFHxS
Sample: IA1633STD-25



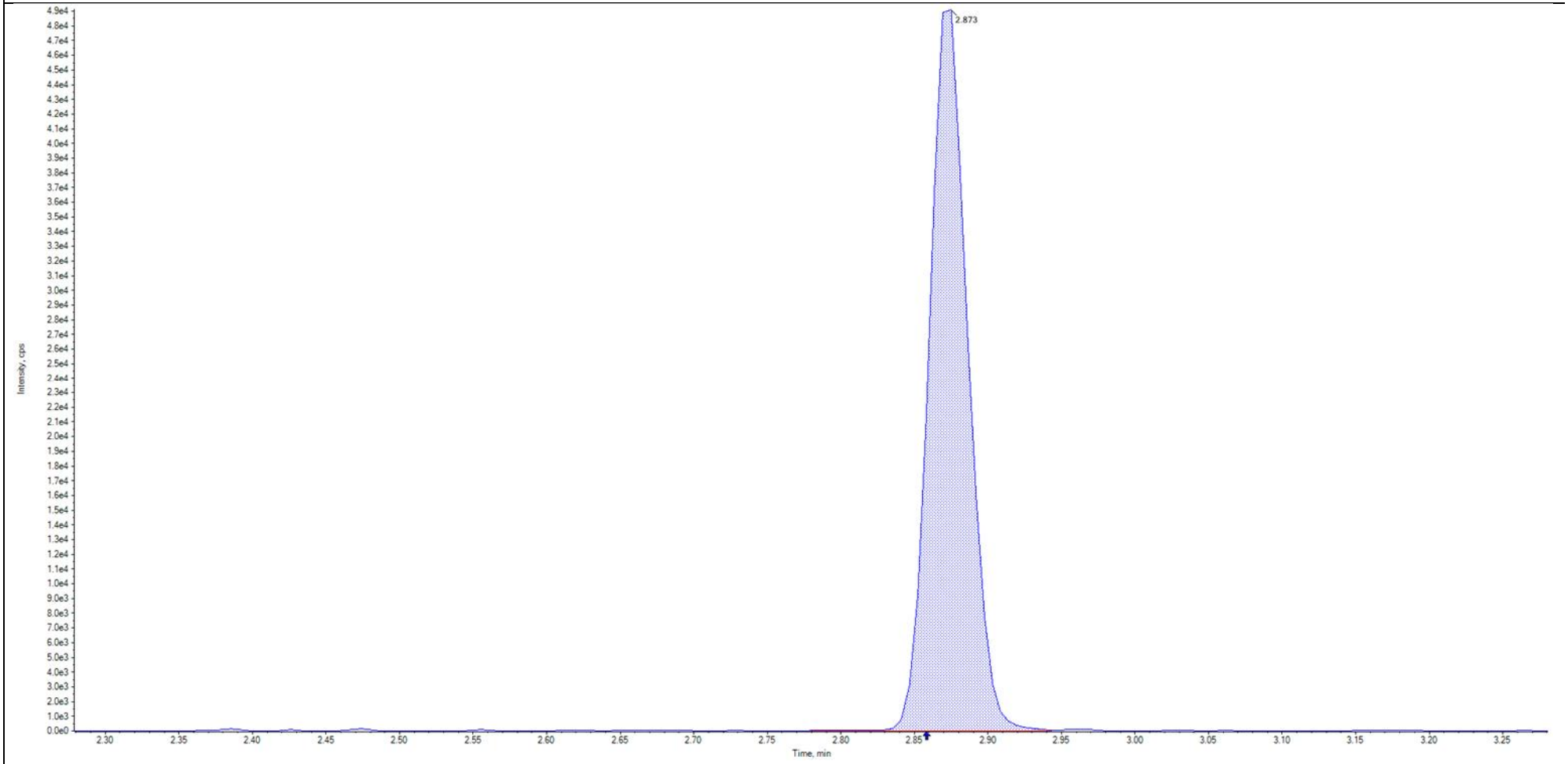
13C8-PFOS
Sample: IA1633STD-25



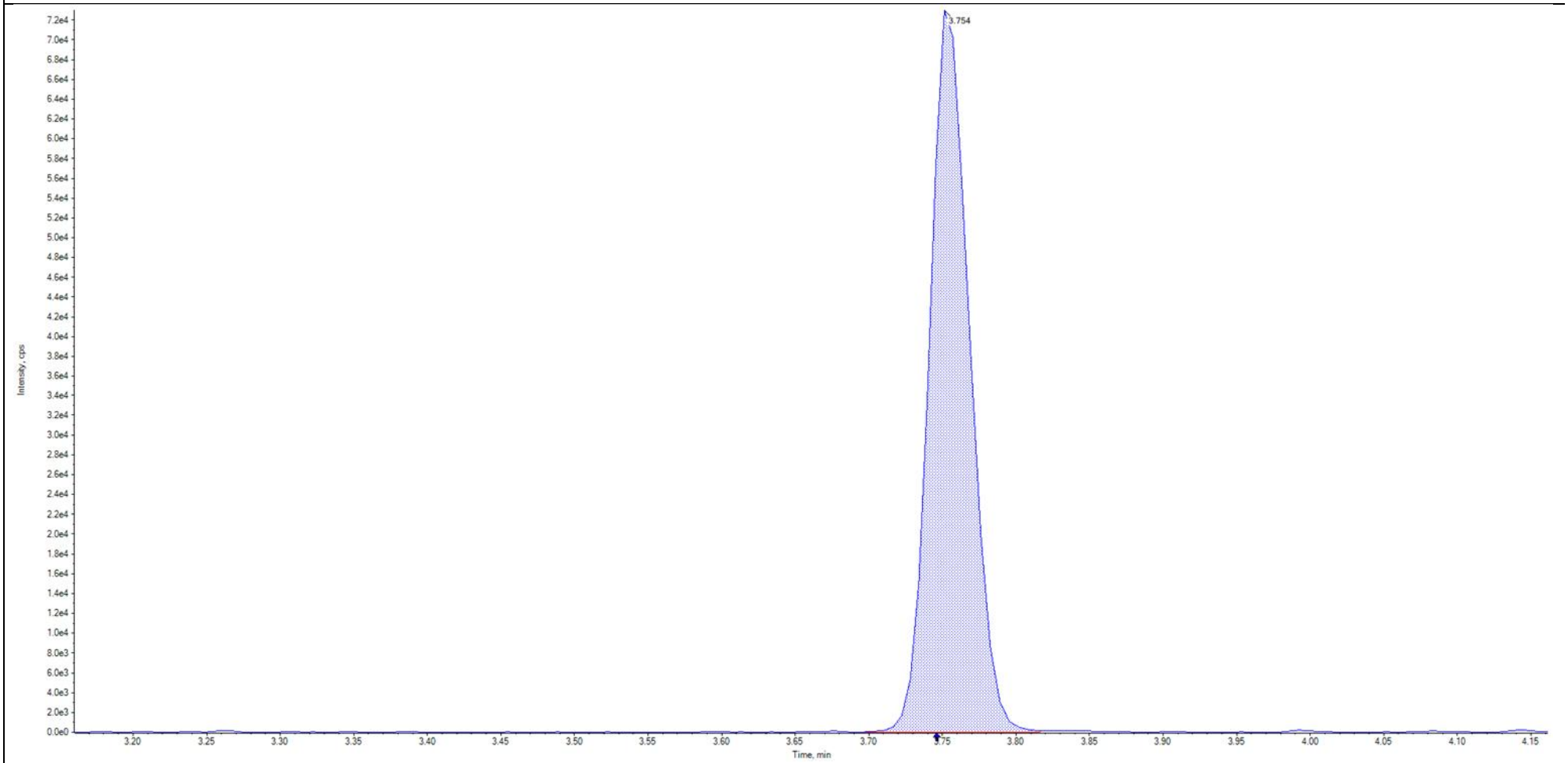
13C2-4:2FTS
Sample: IA1633STD-25



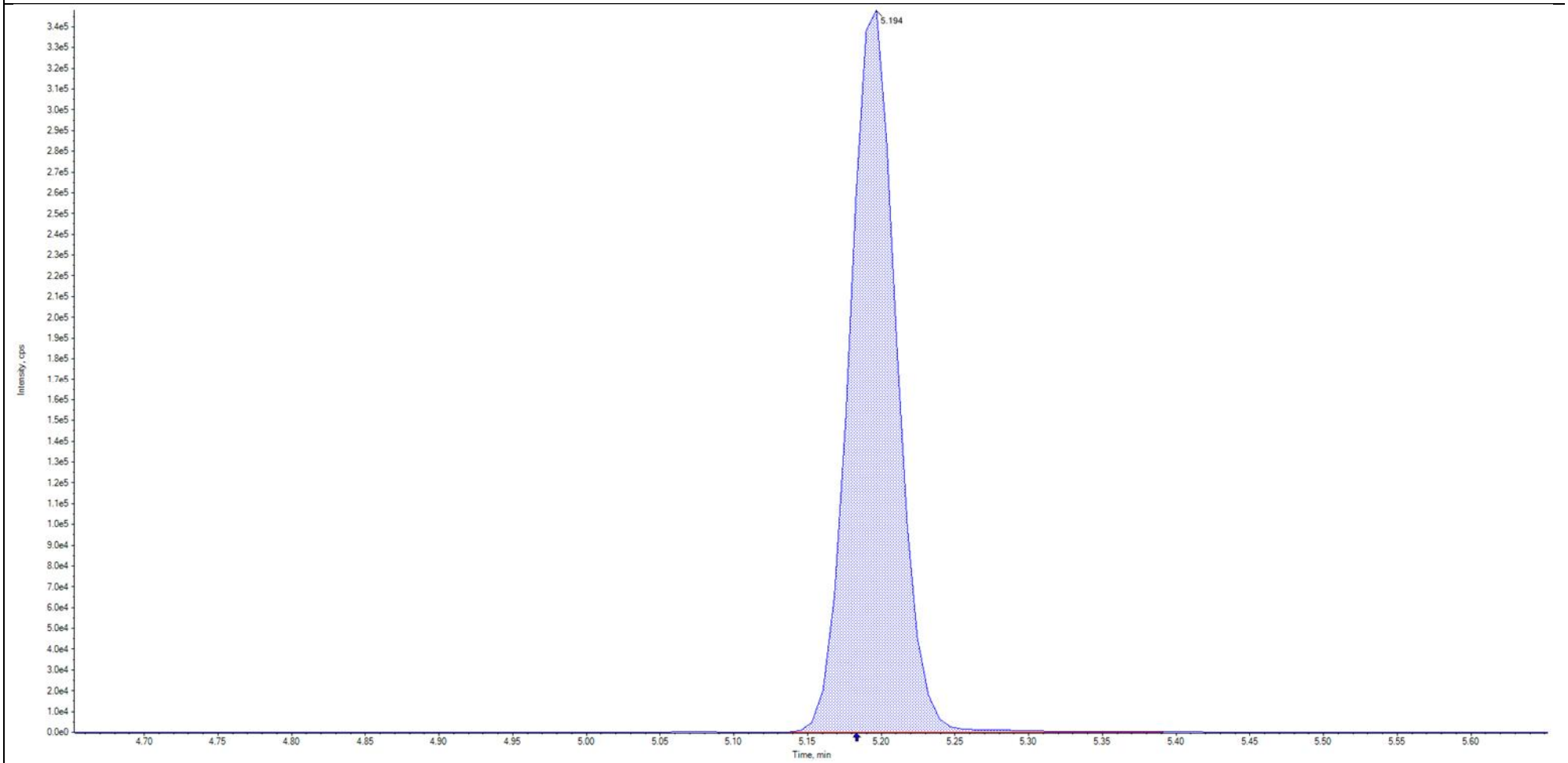
13C2-6:2FTS
Sample: IA1633STD-25



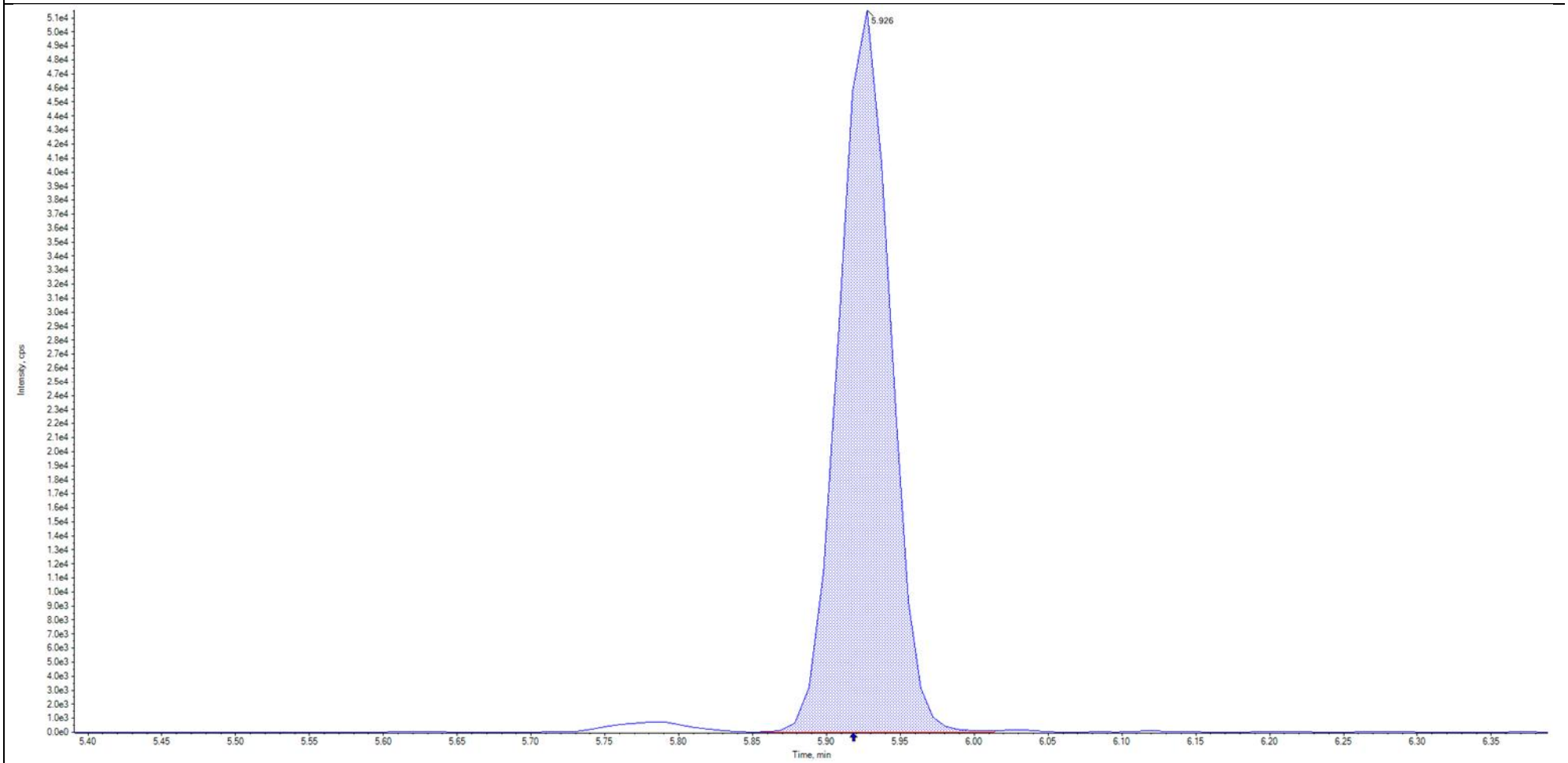
13C2-8:2FTS
Sample: IA1633STD-25



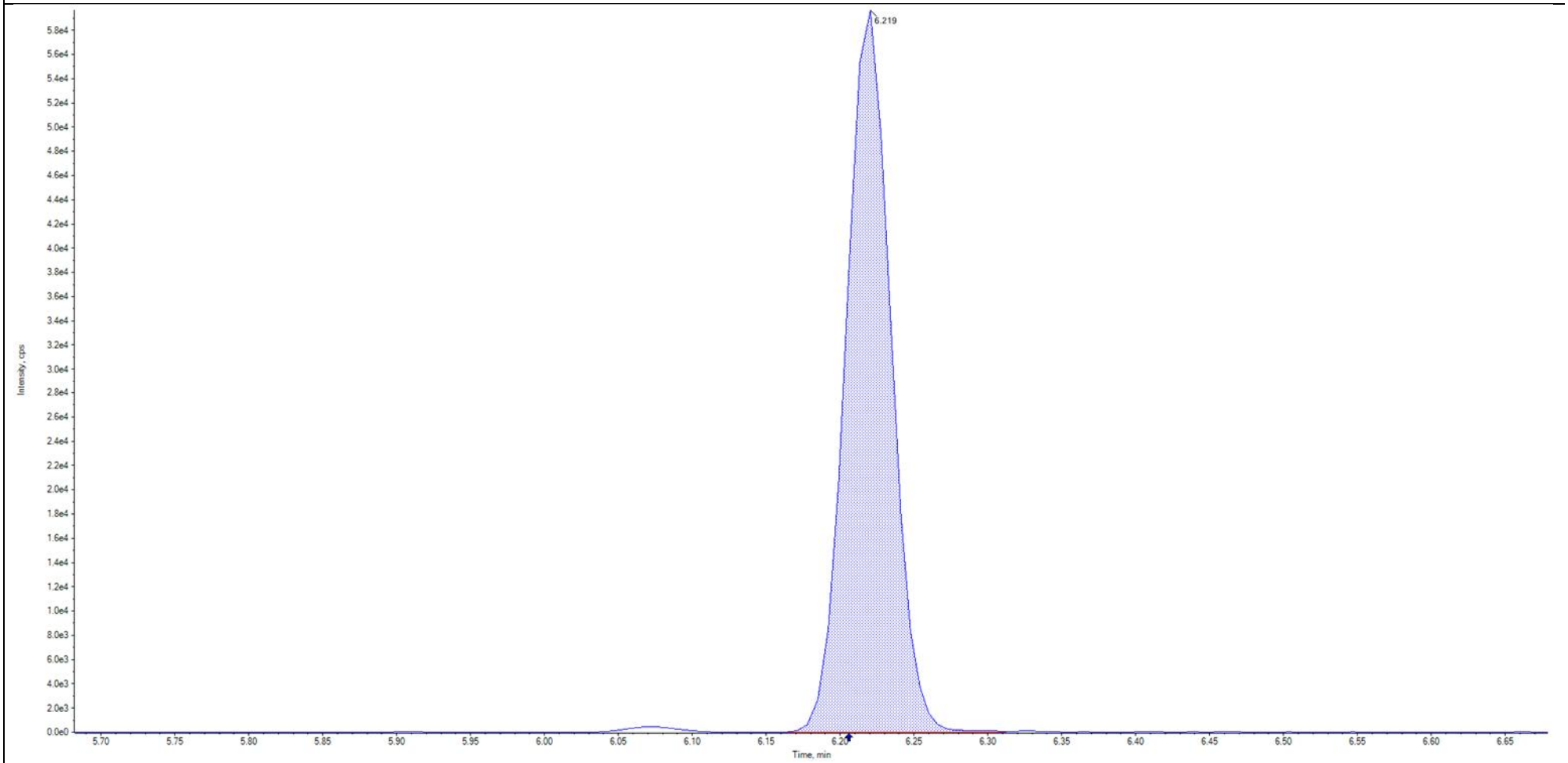
13C8-PFOSA
Sample: IA1633STD-25



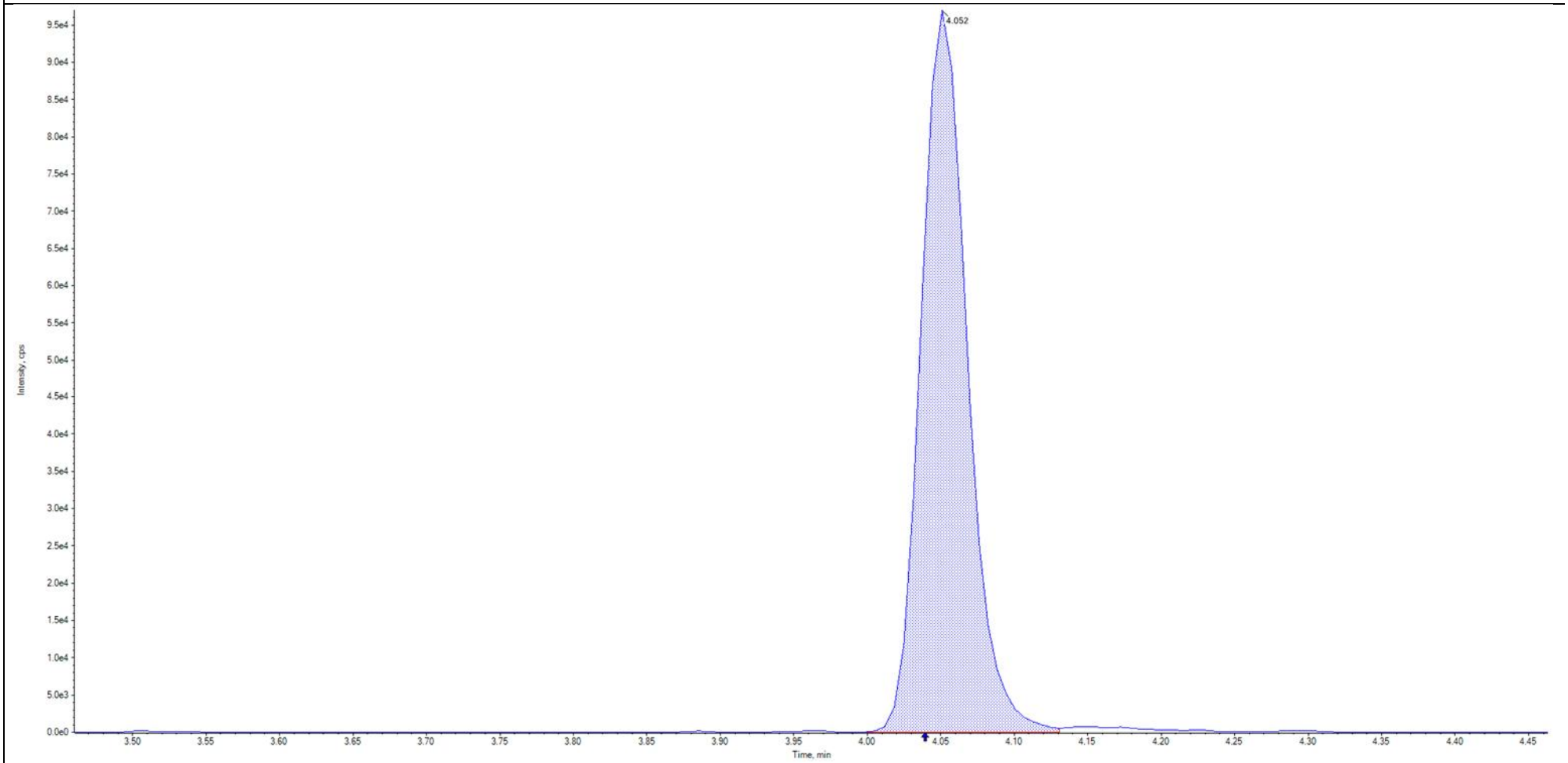
d3-NMeFOSA
Sample: IA1633STD-25



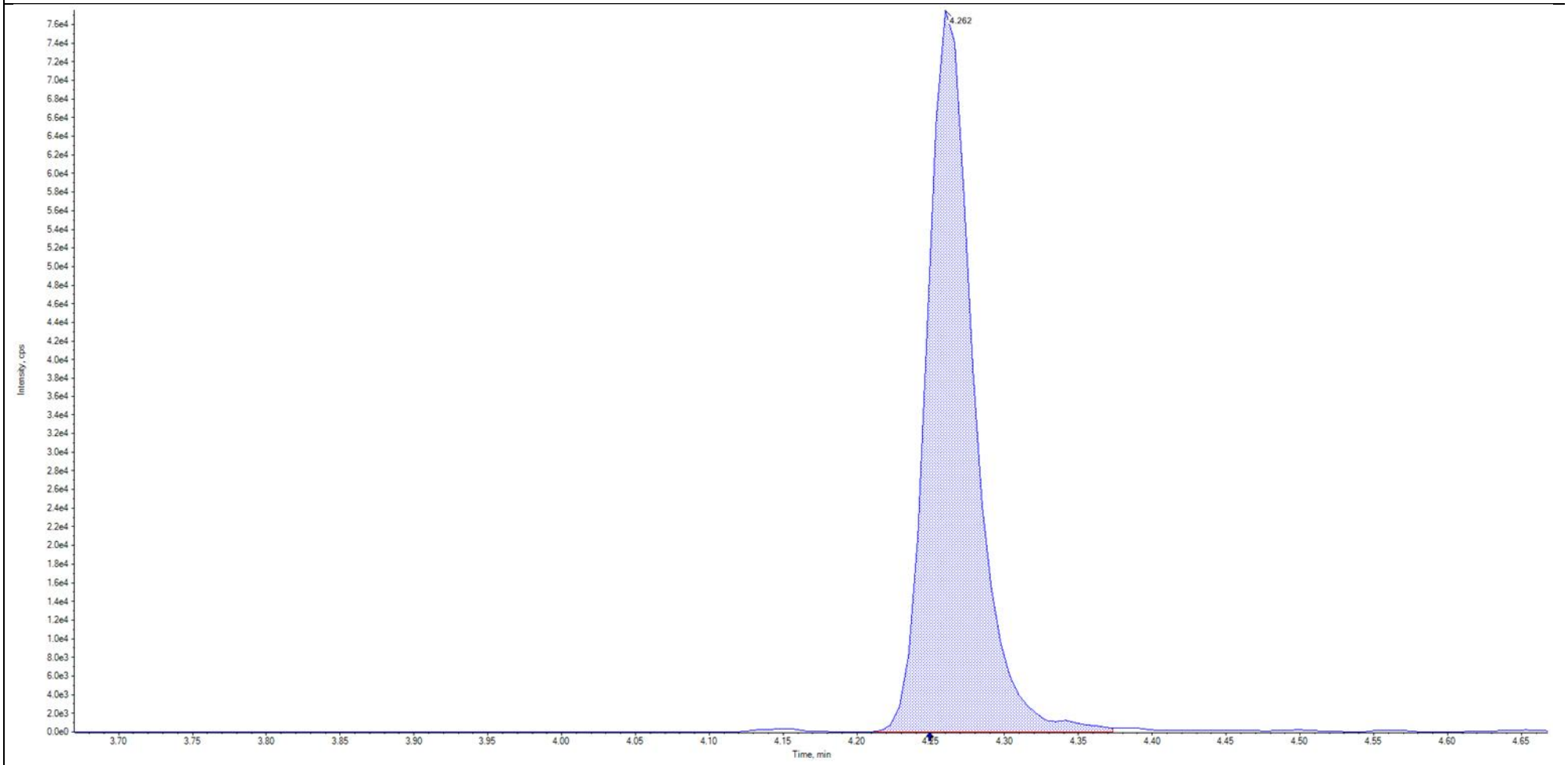
d5-NEtFOSA
Sample: IA1633STD-25



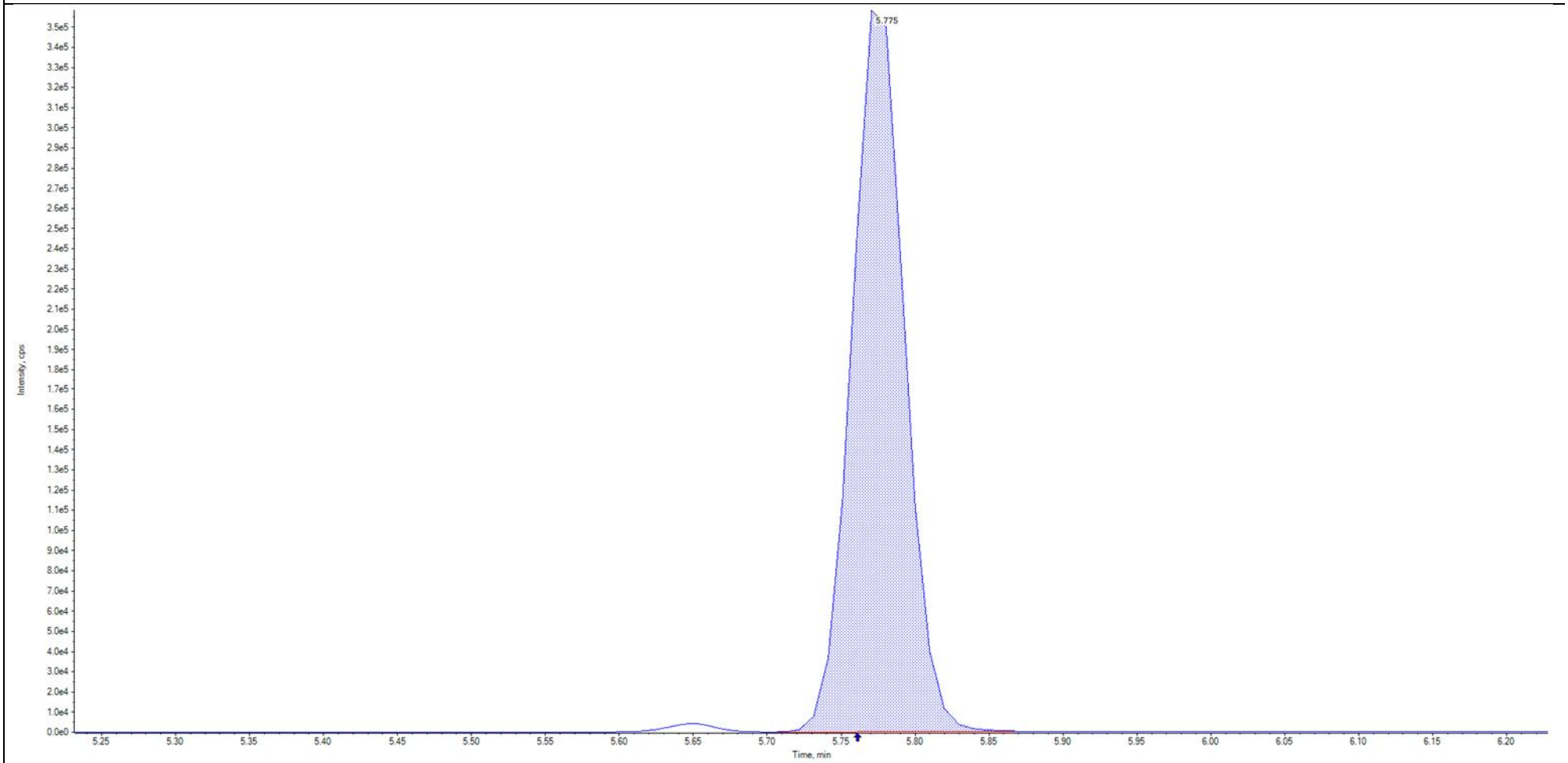
d3-NMeFOSAA
Sample: IA1633STD-25



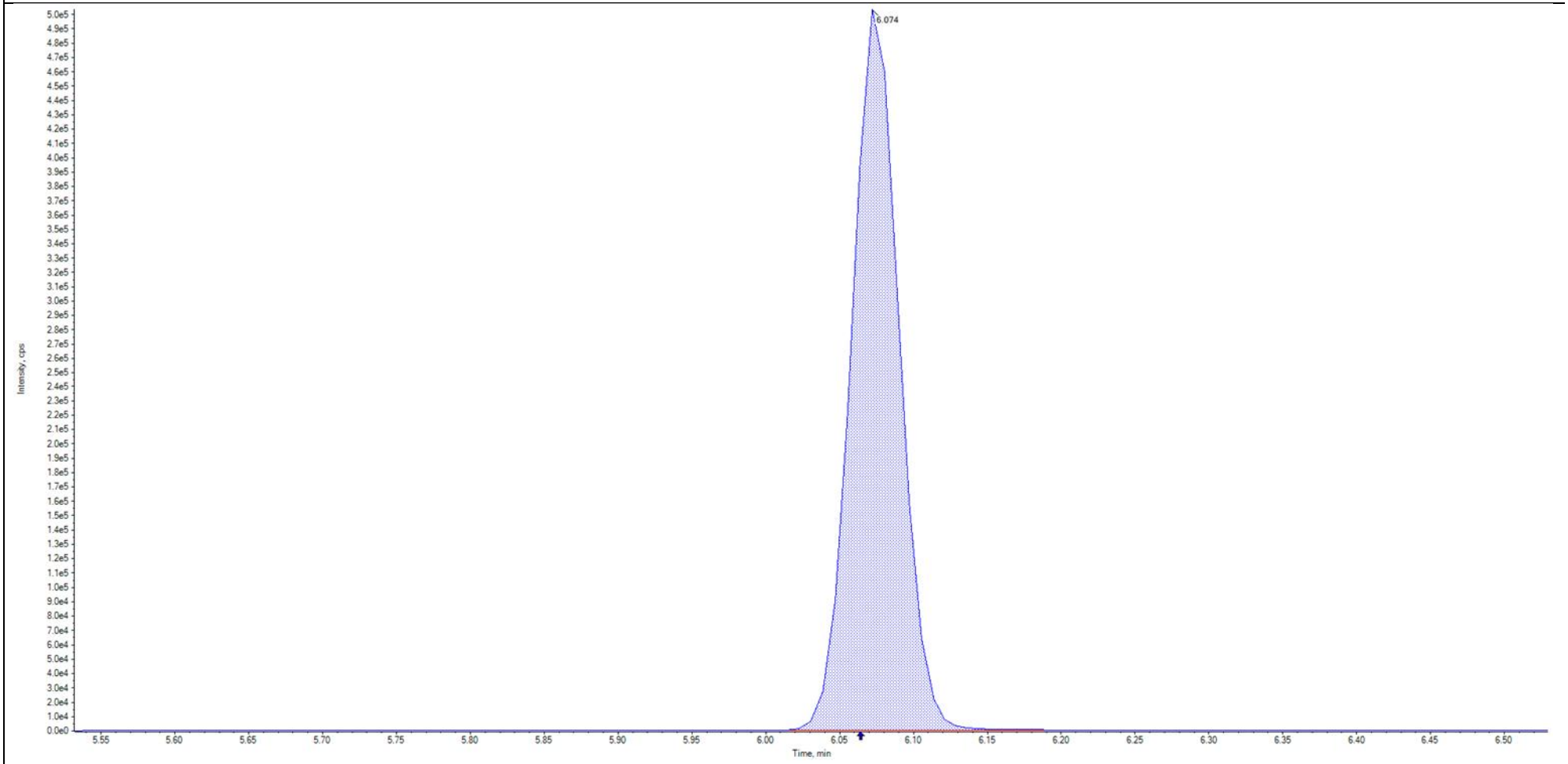
d5-NEtFOSAA
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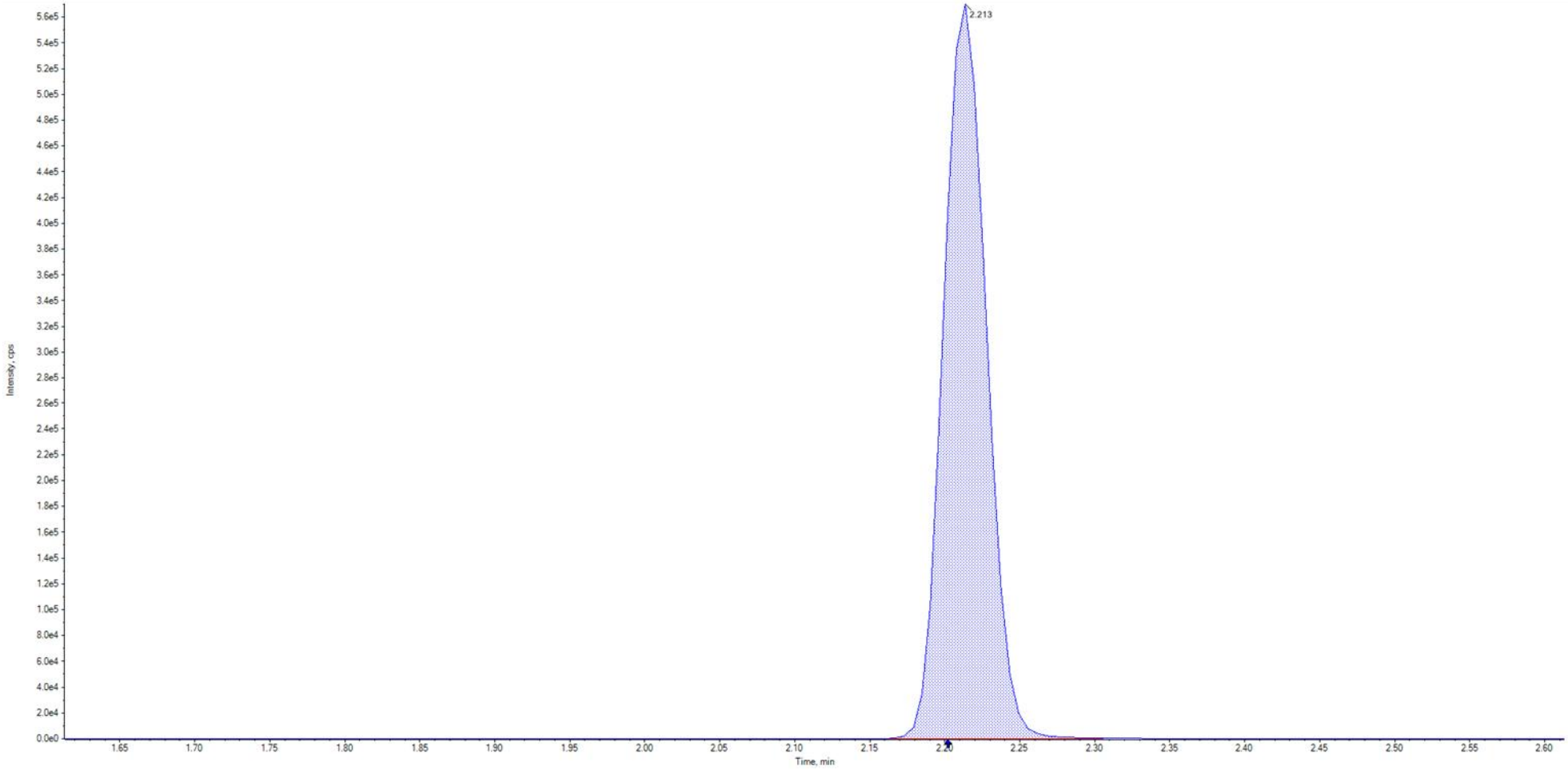
d7-NMeFOSE
Sample: IA1633STD-25



d9-NEtFOSE
Sample: IA1633STD-25

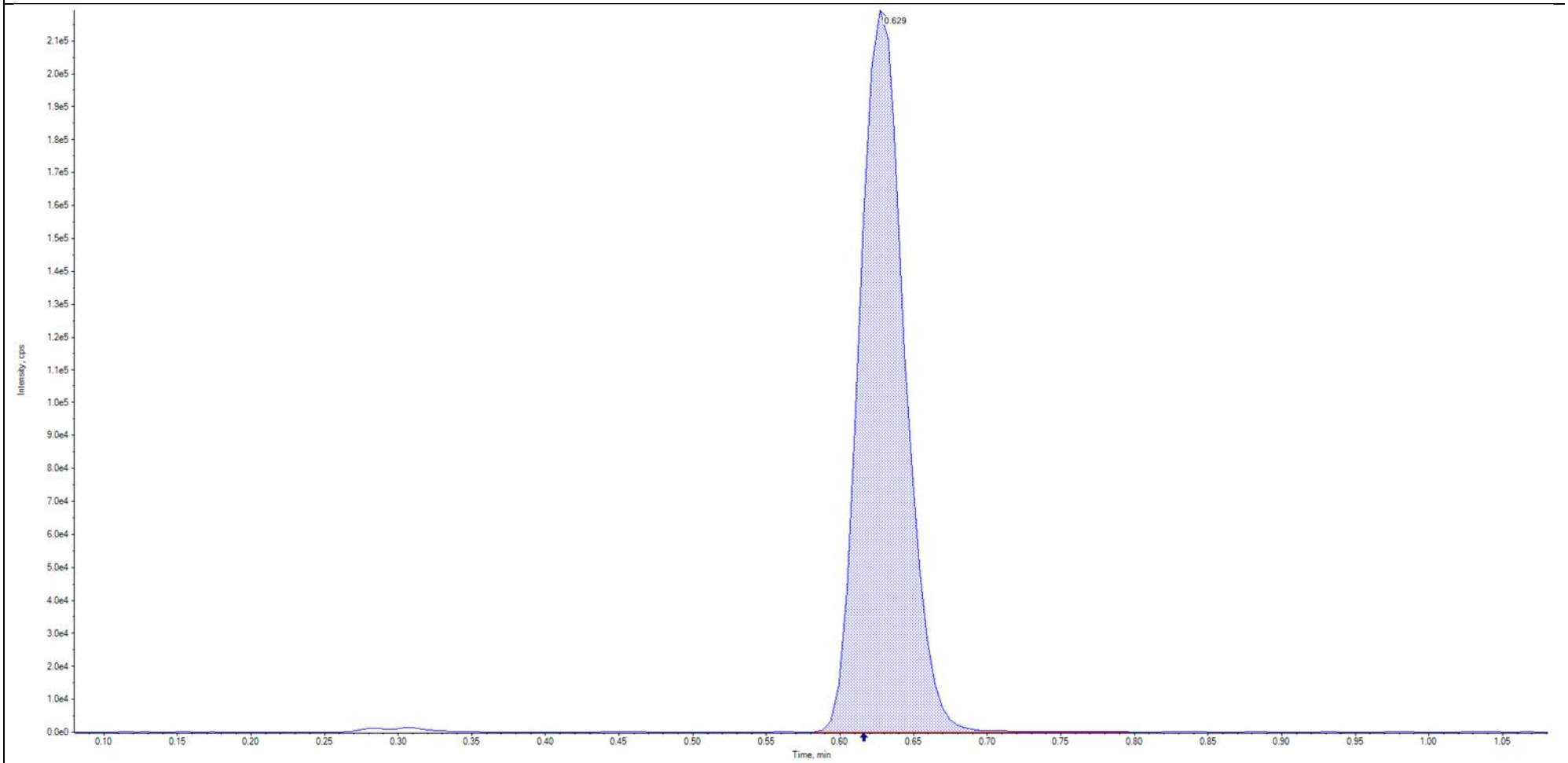


13C3-HFPO-DA
Sample: IA1633STD-25



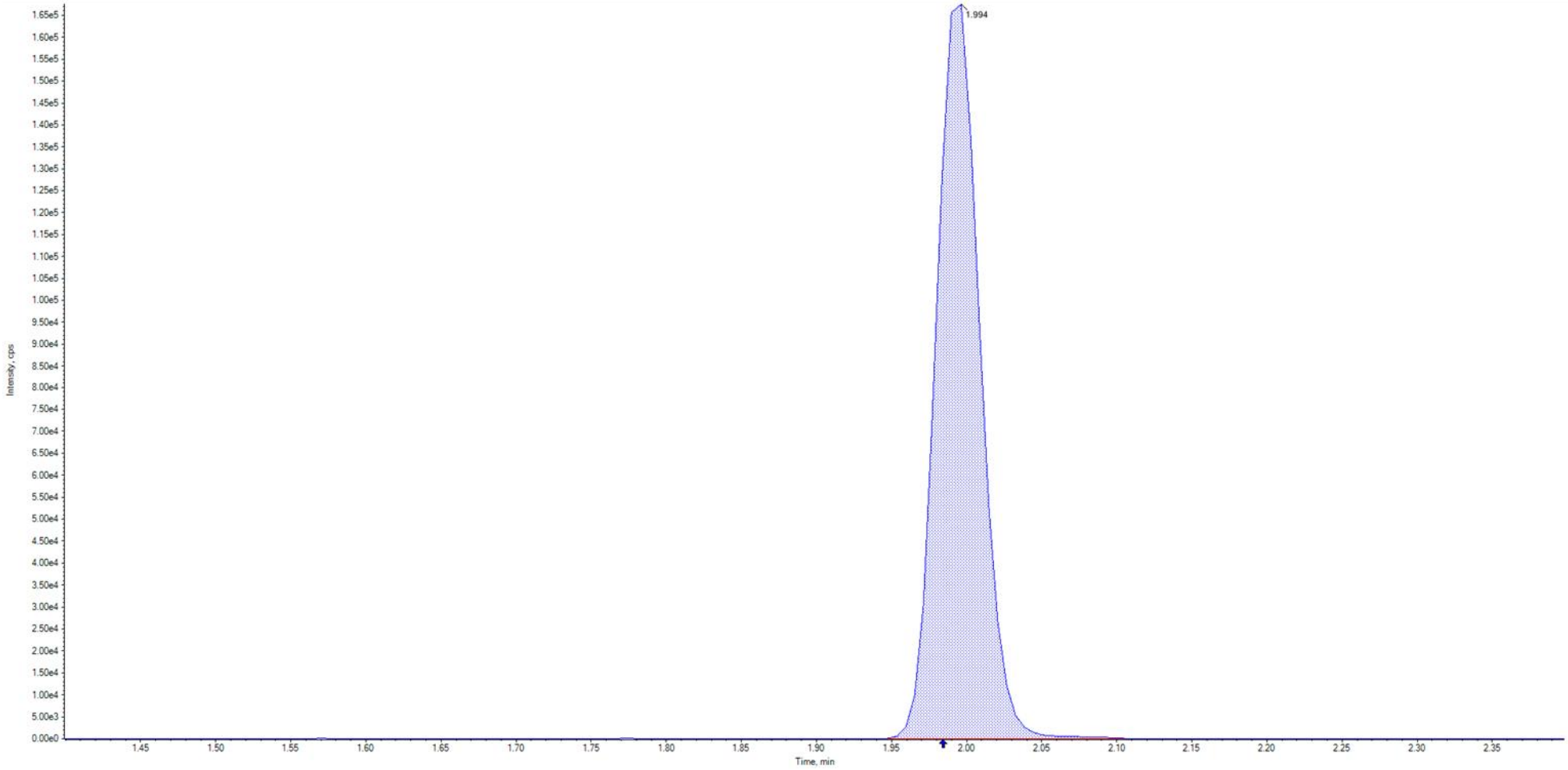
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13C3-PFBA
Sample: IA1633STD-25

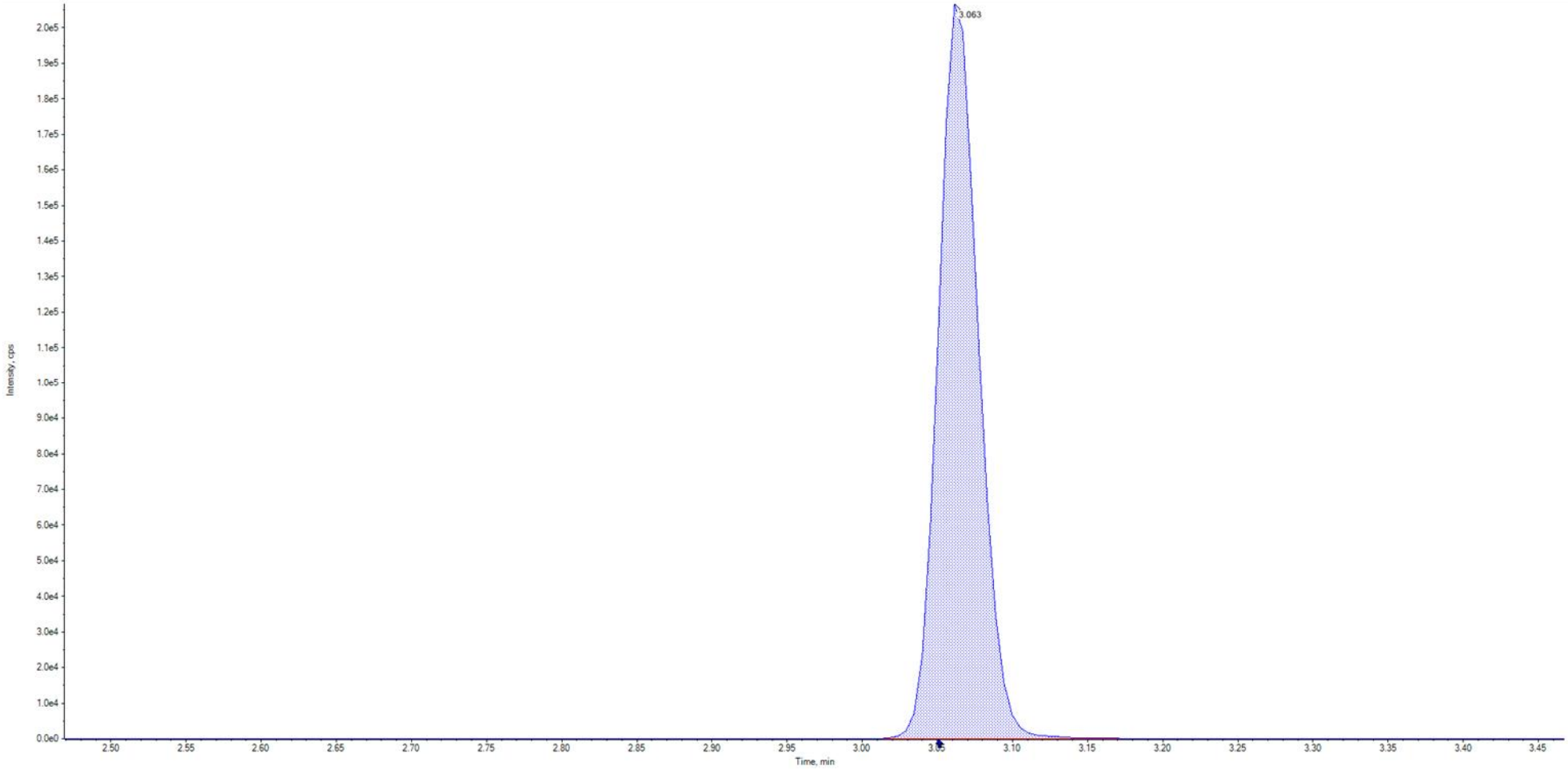


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13C2-PFHxA
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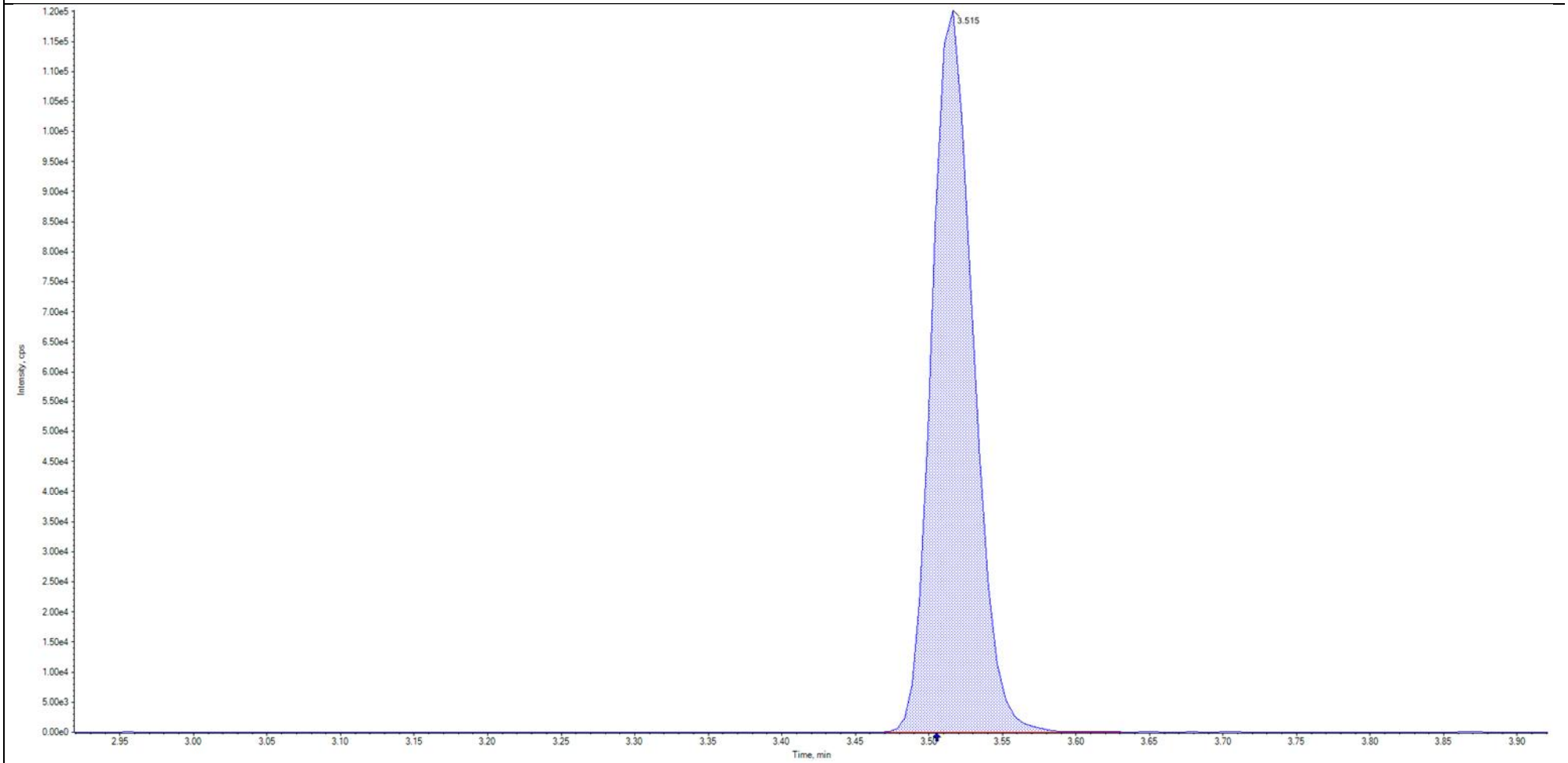


13C4-PFOA
Sample: IA1633STD-25



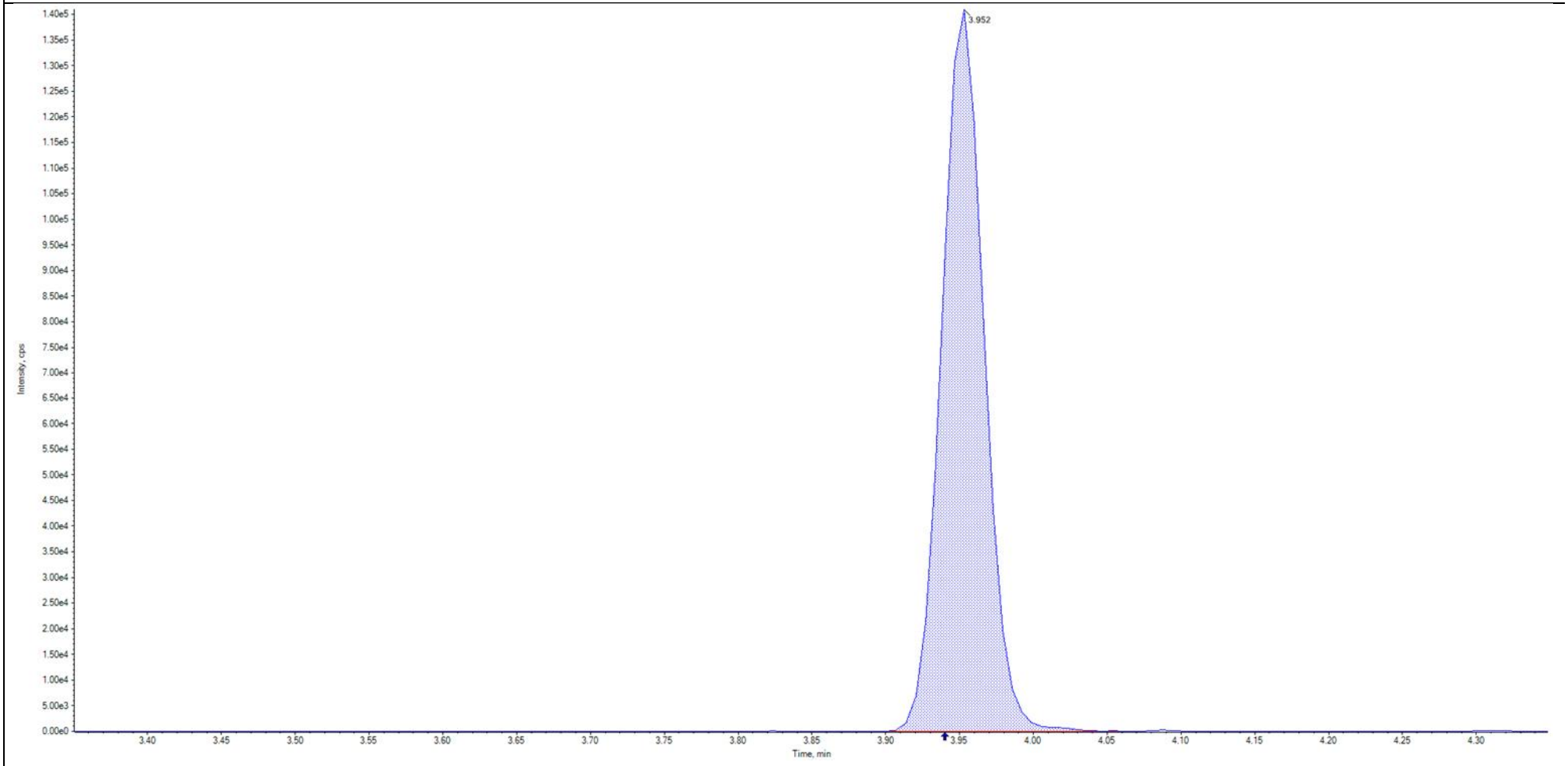
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Alpha Analytical LLC
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13C5-PFNA
Sample: IA1633STD-25

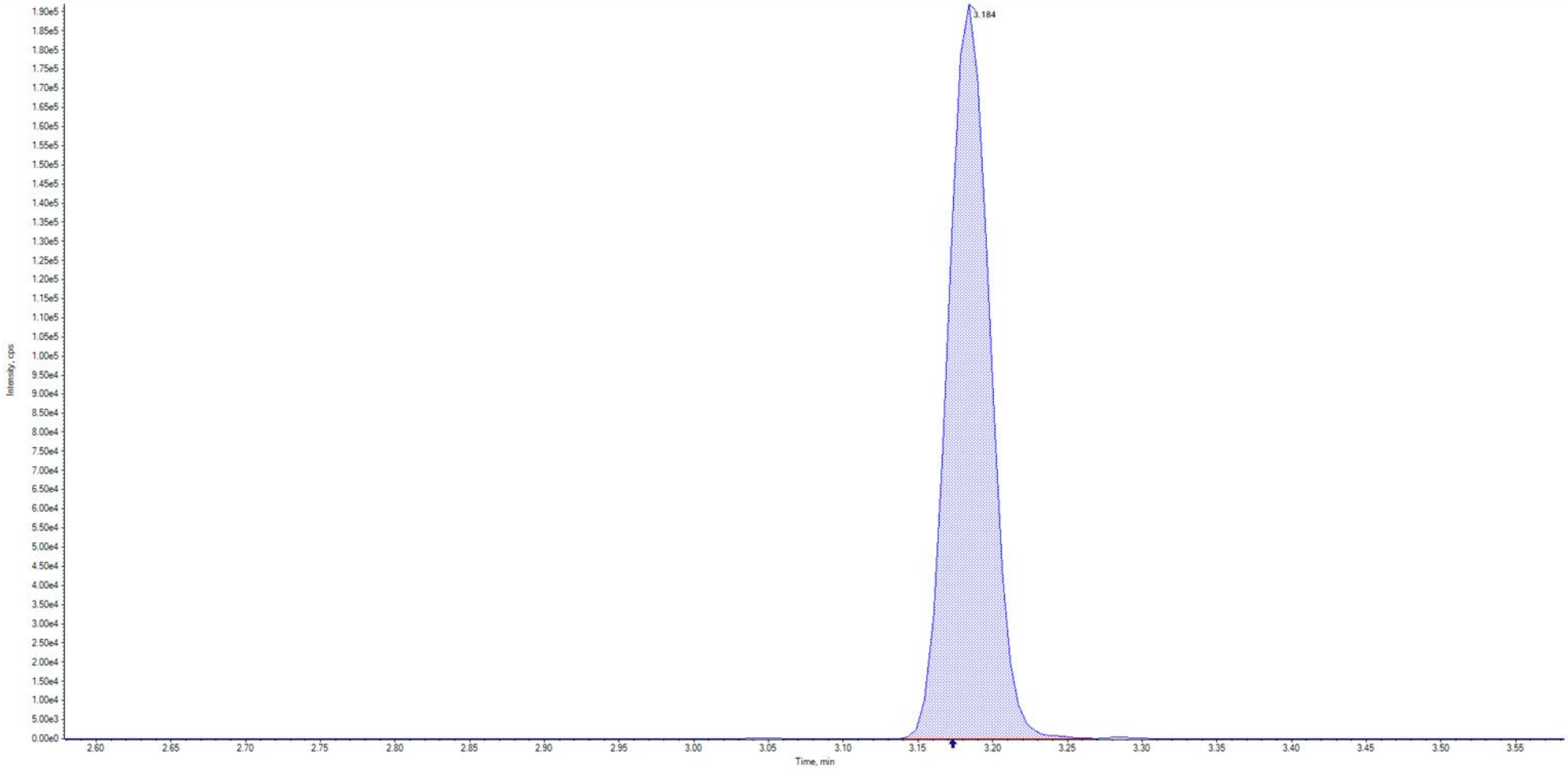


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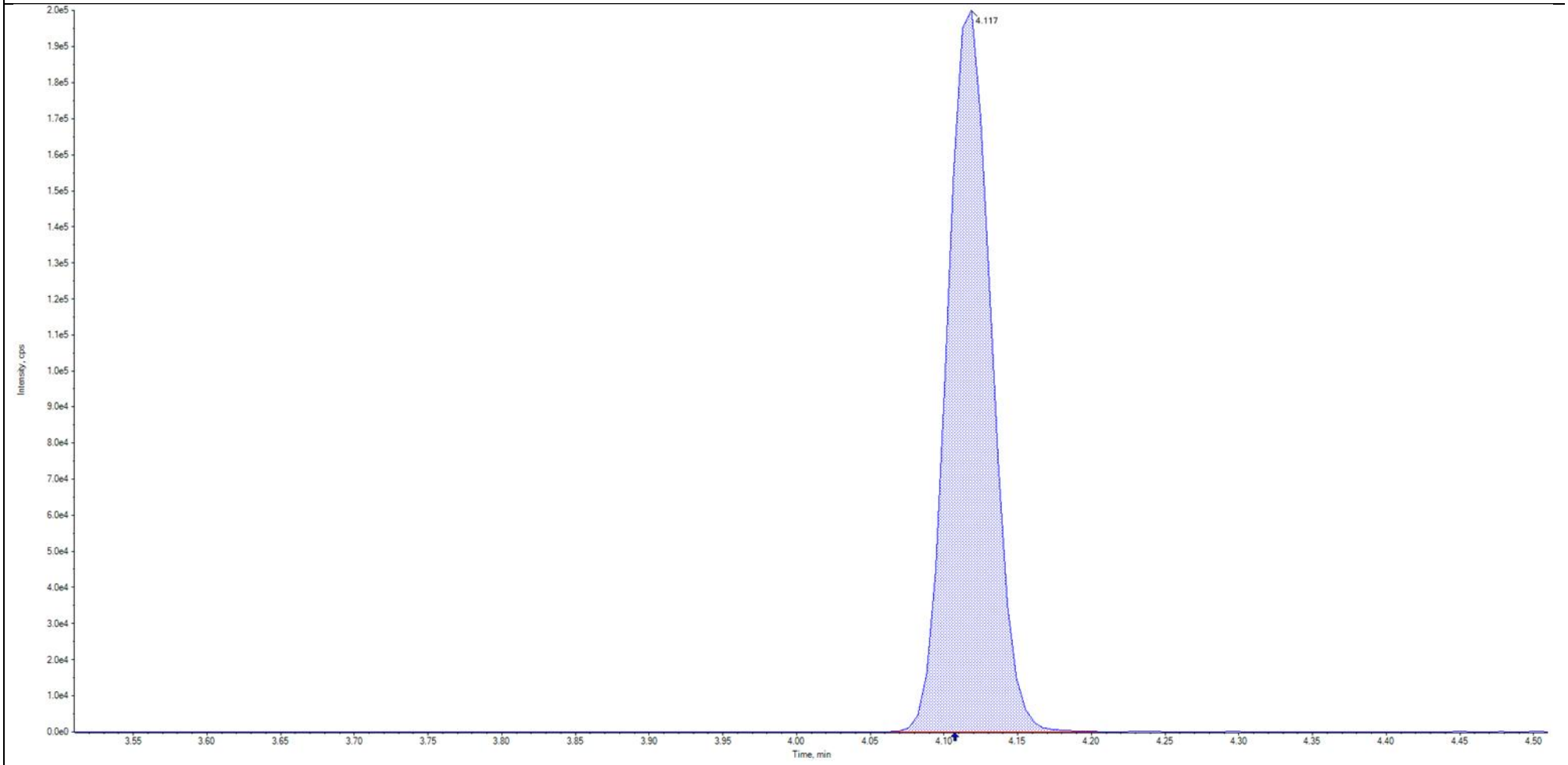
13C2-PFDA
Sample: IA1633STD-25



18O2-PFHxS
Sample: IA1633STD-25



13C4-PFOS
Sample: IA1633STD-25



Alpha Analytical LLC
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Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Method: EPA1633F.qmethod
Calibration: 241216_EPA1633_ICAL

ID: IA1633STD-50
Name: SCI08_241216_18.wiff2
Date & Time: 2024-12-16T16:09:38
Description: WG2009822,,EPA1633F_241008_CAL_L8
Instrument: SCIEX Triple Quad 5500+
User: LCMS08:JW

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.63	213.0 / 169.0	15460051		207.918	N/A	N/A	N/A	104.0
2	PFPeA	2706-90-3	1.23	263.0 / 219.0	8674062		102.007	0.008	0.008	Pass	102.0
3	PFPeA_2	2706-90-3	1.23	263.0 / 68.9	68902		99.271	0.008	0.008	Pass	99.3
4	PFHxA	307-24-4	1.99	313.0 / 269.0	6414387		49.692	0.085	0.084	Pass	99.4
5	PFHxA_2	307-24-4	1.99	313.0 / 119.0	542417		52.510	0.085	0.084	Pass	105.0
6	PFHpA	375-85-9	2.57	363.1 / 319.0	6987569		53.207	0.422	0.404	Pass	106.4
7	PFHpA_2	375-85-9	2.57	363.1 / 169.0	2949856		53.146	0.422	0.404	Pass	106.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	3.06	413.1 / 369.1	6733835	m5	52.590	0.504	0.562	Pass	105.2
9	PFOA_2	335-67-1	3.06	413.1 / 169.0	3390615	m5	50.753	0.504	0.562	Pass	101.5
10	PFNA	375-95-1	3.51	462.8 / 418.9	5848365	m5	53.367	0.440	0.464	Pass	106.7
11	PFNA_2	375-95-1	3.51	462.8 / 219.0	2571618	m5	51.547	0.440	0.464	Pass	103.1
12	PFDA	335-76-2	3.94	513.1 / 469.1	7679026		56.472	0.229	0.264	Pass	112.9
13	PFDA_2	335-76-2	3.95	513.1 / 219.0	1756780		50.814	0.229	0.264	Pass	101.6
14	PFUnA	2058-94-8	4.37	563.1 / 519.1	8286921		55.194	0.200	0.204	Pass	110.4
15	PFUnA_2	2058-94-8	4.37	563.1 / 269.0	1653996		53.149	0.200	0.204	Pass	106.3
16	PFDoA	307-55-1	4.78	613.1 / 569.1	9357708		50.583	0.185	0.194	Pass	101.2
17	PFDoA_2	307-55-1	4.78	613.1 / 319.0	1735063		46.060	0.185	0.194	Pass	92.1
18	PFTrDA	72629-94-8	5.19	663.1 / 619.1	9680019		46.152	0.184	0.193	Pass	92.3
19	PFTrDA_2	72629-94-8	5.19	663.1 / 169.0	1784058		45.684	0.184	0.193	Pass	91.4
20	PFTeDA	376-06-7	5.58	713.1 / 669.1	11711666		49.902	0.157	0.163	Pass	99.8
21	PFTeDA_2	376-06-7	5.58	713.1 / 169.0	1839502		49.358	0.157	0.163	Pass	98.7
22	PFBS	375-73-5	2.01	299.1 / 80.1	8270890		45.711	0.347	0.353	Pass	103.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	2.01	299.1 / 99.1	2871439		46.018	0.347	0.353	Pass	103.6
24	PFPeS	2706-91-4	2.65	349.1 / 80.1	8662619		49.012	0.270	0.294	Pass	104.3
25	PFPeS_2	2706-91-4	2.65	349.1 / 99.1	2341232		47.790	0.270	0.294	Pass	101.7
26	PFHxS	355-46-4	3.18	399.1 / 80.1	7713016	m5	47.510	0.290	0.292	Pass	104.2
27	PFHxS_2	355-46-4	3.18	399.1 / 99.1	2236726	m5	47.174	0.290	0.292	Pass	103.5
28	PFHpS	375-92-8	3.66	449.1 / 80.1	7983889		47.865	0.261	0.274	Pass	100.6
29	PFHpS_2	375-92-8	3.66	449.1 / 99.1	2083335		47.270	0.261	0.274	Pass	99.3
30	PFOS	1763-23-1	4.11	499.1 / 80.1	9916344	m5	45.308	0.223	0.223	Pass	97.7
31	PFOS_2	1763-23-1	4.11	499.1 / 99.1	2207527	m5	47.982	0.223	0.223	Pass	103.4
32	PFNS	68259-12-1	4.54	549.1 / 80.1	9232425		48.501	0.280	0.281	Pass	101.0
33	PFNS_2	68259-12-1	4.54	549.1 / 99.1	2580854		48.472	0.280	0.281	Pass	101.0
34	PFDS	335-77-3	4.96	599.1 / 80.1	9934637		49.229	0.258	0.267	Pass	102.1
35	PFDS_2	335-77-3	4.96	599.1 / 99.1	2563356		47.715	0.258	0.267	Pass	99.0
36	PFDoS	79780-39-5	5.74	699.2 / 80.1	10851051		49.672	0.220	0.225	Pass	102.6
37	PFDoS_2	79780-39-5	5.74	699.2 / 99.1	2382693		48.845	0.220	0.225	Pass	100.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	1.77	327.1 / 307.1	5873625		177.528	0.654	0.637	Pass	94.9
39	4:2FTS_2	757124-72-4	1.77	327.1 / 81.1	3842457		176.395	0.654	0.637	Pass	94.3
40	6:2FTS	27619-97-2	2.86	427.2 / 407.2	5870949		171.705	0.617	0.571	Pass	90.4
41	6:2FTS_2	27619-97-2	2.86	427.2 / 81.1	3623844		172.320	0.617	0.571	Pass	90.7
42	8:2FTS	39108-34-4	3.75	527.2 / 507.2	6099029		181.047	0.765	0.758	Pass	94.3
43	8:2FTS_2	39108-34-4	3.75	527.2 / 81.1	4664567		177.968	0.765	0.758	Pass	92.7
44	PFOSA	754-91-6	5.18	498.1 / 78.1	12604283	m5	52.883	0.025	0.023	Pass	105.8
45	PFOSA_2	754-91-6	5.18	498.1 / 478.0	309340	m5	50.404	0.025	0.023	Pass	100.8
46	NMeFOSA	31506-32-8	5.92	512.2 / 219.0	2922265	m5	49.923	1.443	1.447	Pass	99.9
47	NMeFOSA_2	31506-32-8	5.87	512.2 / 169.0	4216950	m5	49.568	1.443	1.447	Pass	99.1
48	NEtFOSA	4151-50-2	6.22	526.2 / 219.0	3027169		51.213	1.263	1.299	Pass	102.4
49	NEtFOSA_2	4151-50-2	6.18	526.2 / 169.0	3822306		49.506	1.263	1.299	Pass	99.0
50	NMeFOSAA	2355-31-9	4.04	570.2 / 419.1	1971325		52.144	0.571	0.605	Pass	104.3
51	NMeFOSAA_2	2355-31-9	4.04	570.2 / 483.0	1125682		48.770	0.571	0.605	Pass	97.5
52	NEtFOSAA	2991-50-6	4.26	584.2 / 419.1	1853451	m5	52.725	0.530	0.518	Pass	105.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.26	584.2 / 526.2	982618	m5	56.085	0.530	0.518	Pass	112.2
54	NMeFOSE	24448-09-7	5.78	616.1 / 58.9	40663981	m5	519.407	N/A	N/A	N/A	103.9
55	NEtFOSE	1691-99-2	6.09	630.0 / 58.9	50808216	m5	487.603	N/A	N/A	N/A	97.5
56	HFPO-DA	13252-13-6	2.21	285.0 / 169.0	20130434		206.211	0.453	0.474	Pass	103.1
57	HFPO-DA_2	13252-13-6	2.21	285.0 / 184.9	9117492		197.006	0.453	0.474	Pass	98.5
58	ADONA	919005-14-4	2.75	376.9 / 251.0	40111789		174.389	0.667	0.740	Pass	92.3
59	ADONA_2	919005-14-4	2.75	376.9 / 84.8	26735173		162.911	0.667	0.740	Pass	86.2
60	9Cl-PF3ONS	756426-58-1	4.41	530.8 / 351.1	47731055		141.140	0.345	0.340	Pass	75.5
61	9Cl-PF3ONS_2	756426-58-1	4.41	532.8 / 353.0	16446962		144.629	0.345	0.340	Pass	77.3
62	11Cl-PF3OUdS	763051-92-9	5.24	630.9 / 451.0	48275756		135.827	0.356	0.328	Pass	71.9
63	11Cl-PF3OUdS_2	763051-92-9	5.23	632.9 / 452.9	17184851		145.382	0.356	0.328	Pass	76.9
64	3:3FTCA	356-02-5	1.58	241.1 / 177.1	2199548		293.315	0.962	0.996	Pass	117.3
65	3:3FTCA_2	356-02-5	1.58	241.1 / 117.0	2117056		290.372	0.962	0.996	Pass	116.2
66	5:3FTCA	914637-49-3	3.01	341.1 / 237.1	36690982		1192.119	1.038	1.037	Pass	95.4
67	5:3FTCA_2	914637-49-3	3.01	341.1 / 217.0	38081663		1193.501	1.038	1.037	Pass	95.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	4.03	441.1 / 316.9	41928375		1268.091	1.041	1.181	Pass	101.5
69	7:3FTCA_2	812-70-4	4.03	441.1 / 337.1	43630874		1156.491	1.041	1.181	Pass	92.5
70	PFEESA	113507-82-7	2.32	315.1 / 135.0	39362017		86.570	0.082	0.078	Pass	97.1
71	PFEESA_2	113507-82-7	2.31	315.1 / 82.9	3230127		86.242	0.082	0.078	Pass	96.7
72	PFMPA	377-73-1	0.79	229.0 / 85.0	10229424		118.569	N/A	N/A	N/A	118.6
73	PFMBA	863090-89-5	1.49	279.0 / 85.0	12819770		101.752	N/A	N/A	N/A	101.8
74	NFDHA	151772-58-6	1.91	295.0 / 201.0	5641074		103.578	0.750	0.765	Pass	103.6
75	NFDHA_2	151772-58-6	1.92	295.0 / 84.9	4230628		99.780	0.750	0.765	Pass	99.8
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	5.845	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	5.845	N/A	N/A
78	13C2D4-4:2FTS	Surr	1.76	333.2 / 312.1	154834		6.009	N/A	N/A	N/A	120.2
79	13C2-PFOA	Surr	3.05	415.0 / 370.0	501152		2.894	N/A	N/A	N/A	115.8

	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	899007		9.773	NA	NA	NA	97.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.23	268.0 / 223.0	471638		4.760	NA	NA	NA	95.2
	13C5-PFHxA	EIS	1.99	318.0 / 273.0	304771		2.484	NA	NA	NA	99.3
	13C4-PFHpA	EIS	2.57	367.0 / 322.0	386008		2.492	NA	NA	NA	99.7
	13C8-PFOA	EIS	3.05	420.8 / 376.0	459294		2.344	NA	NA	NA	93.8
	13C9-PFNA	EIS	3.51	472.0 / 427.0	227511		1.291	NA	NA	NA	103.3
	13C6-PFDA	EIS	3.94	519.0 / 474.0	263319		1.185	NA	NA	NA	94.8
	13C7-PFUnA	EIS	4.36	570.0 / 525.0	290402		1.231	NA	NA	NA	98.4

	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	258910		1.333	NA	NA	NA	106.7
	13C2-PFTeDA	EIS	5.57	715.1 / 670.1	299836		1.314	NA	NA	NA	105.2
	13C3-PFBS	EIS	2.00	302.1 / 80.1	447281		2.195	NA	NA	NA	94.2
	13C3-PFHxS	EIS	3.17	402.1 / 80.1	396830		2.296	NA	NA	NA	96.9
	13C8-PFOS	EIS	4.11	507.1 / 80.1	512992		2.421	NA	NA	NA	100.9
	13C2-4:2FTS	EIS	1.76	329.1 / 81.1	98180		5.108	NA	NA	NA	108.9
	13C2-6:2FTS	EIS	2.86	429.2 / 81.1	103654		5.658	NA	NA	NA	118.9
	13C2-8:2FTS	EIS	3.74	529.2 / 81.1	148477		5.749	NA	NA	NA	119.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	5.18	506.1 / 78.1	749338		2.462	NA	NA	NA	98.5
	d3-NMeFOSA	EIS	5.91	515.2 / 219.0	131475		2.756	NA	NA	NA	110.2
	d5-NEtFOSA	EIS	6.21	531.2 / 219.0	129945		2.752	NA	NA	NA	110.1
	d3-NMeFOSAA	EIS	4.04	573.2 / 419.1	215071		5.640	NA	NA	NA	112.8
	d5-NEtFOSAA	EIS	4.25	589.3 / 419.1	171652		5.370	NA	NA	NA	107.4
	d7-NMeFOSE	EIS	5.76	623.2 / 58.9	892732		26.073	NA	NA	NA	104.3
	d9-NEtFOSE	EIS	6.06	639.2 / 58.9	1145717		27.052	NA	NA	NA	108.2

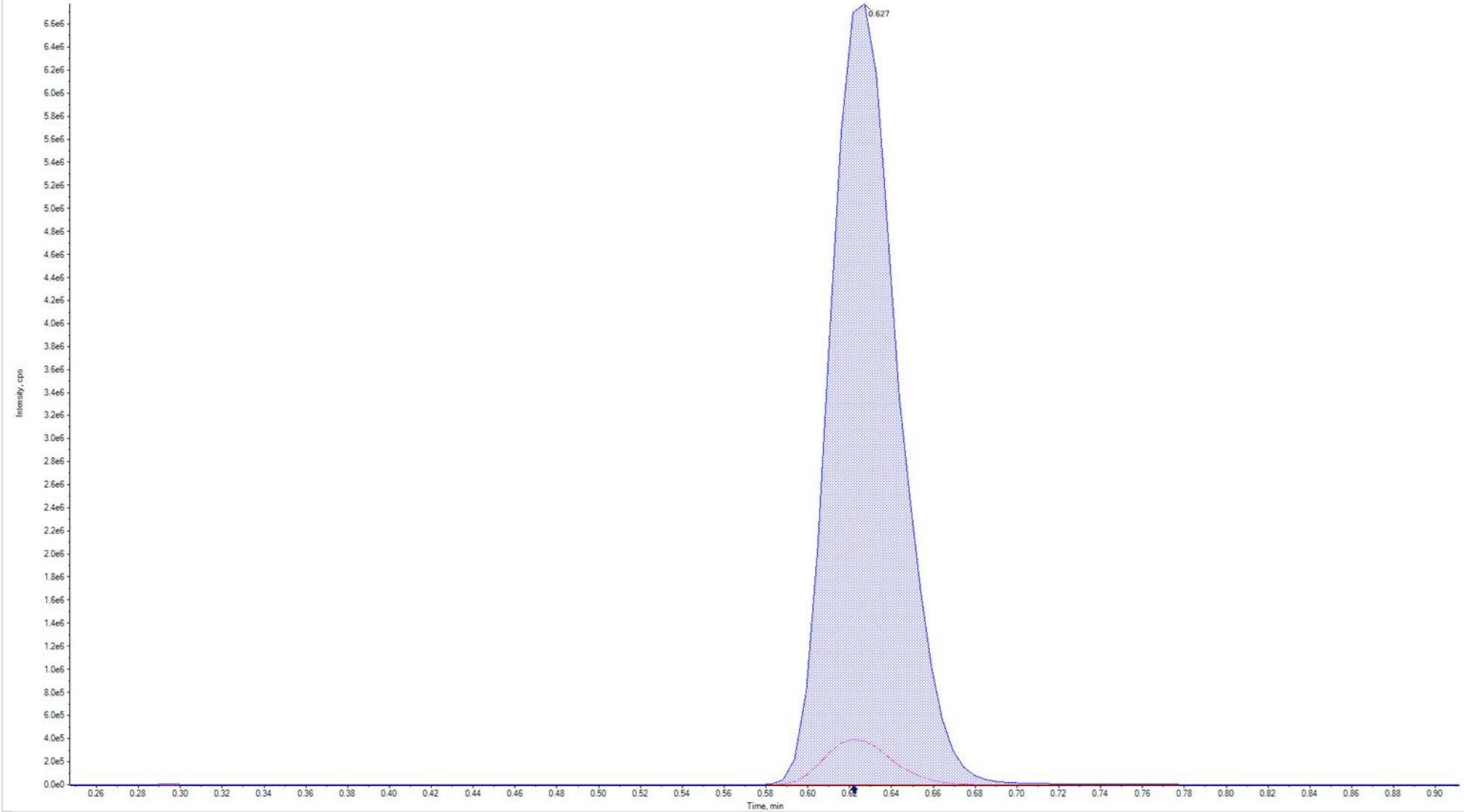
	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.21	287.0 / 169.0	1026462		9.115	NA	NA	NA	91.2
	13C3-PFBA	NIS	0.62	216.0 / 172.0	403826		4.092	NA	NA	NA	81.8
	13C2-PFHxA	NIS	1.99	315.0 / 270.0	328122		2.399	NA	NA	NA	96.0
	13C4-PFOA	NIS	3.05	417.0 / 372.0	380073		2.604	NA	NA	NA	104.2
	13C5-PFNA	NIS	3.50	468.0 / 423.0	221802		1.195	NA	NA	NA	95.6
	13C2-PFDA	NIS	3.94	515.1 / 470.1	266726		1.171	NA	NA	NA	93.7
	18O2-PFHxS	NIS	3.17	403.1 / 84.1	355872		2.327	NA	NA	NA	98.2
	13C4-PFOS	NIS	4.10	503.1 / 80.1	389450		2.290	NA	NA	NA	95.4

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

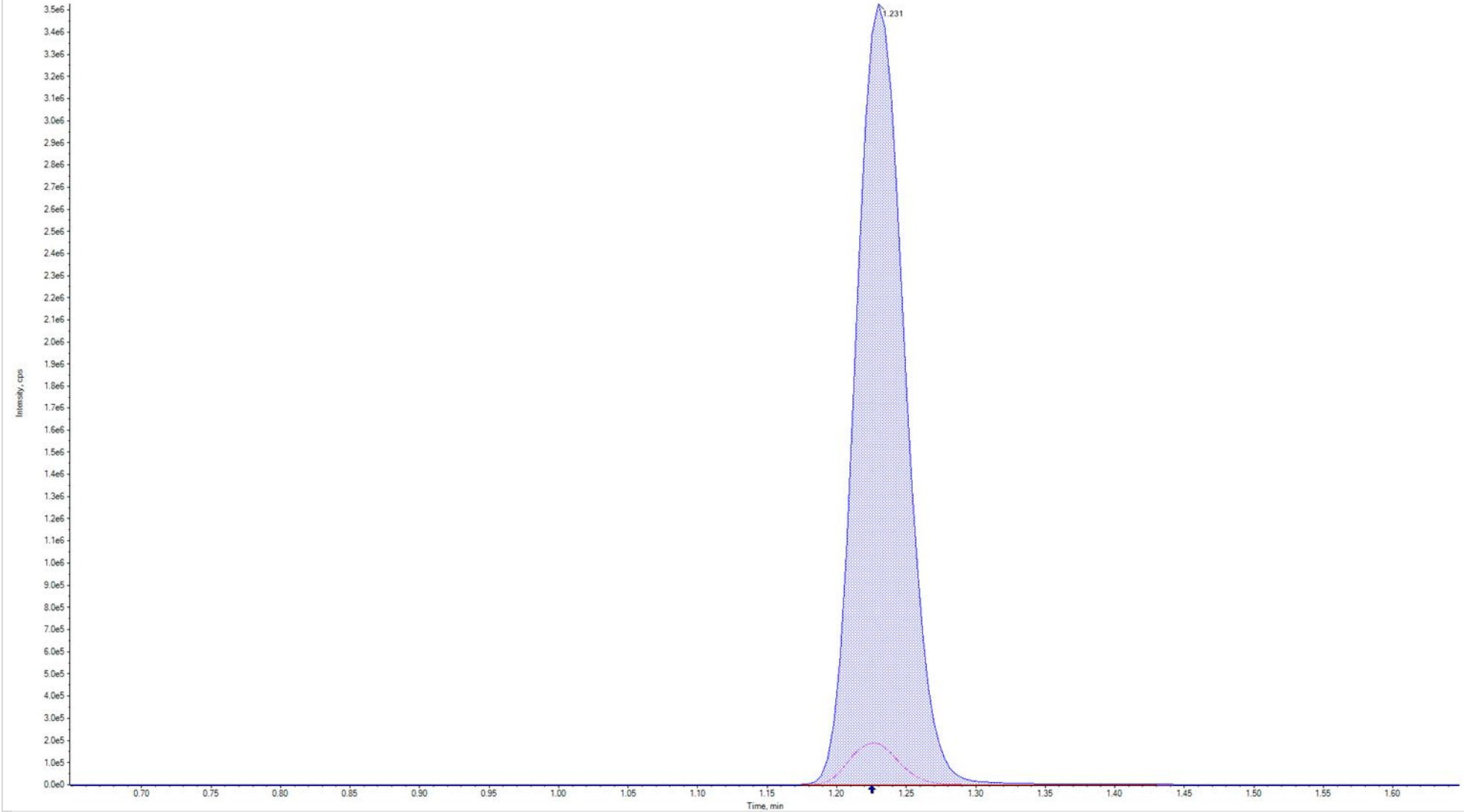
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PFBA
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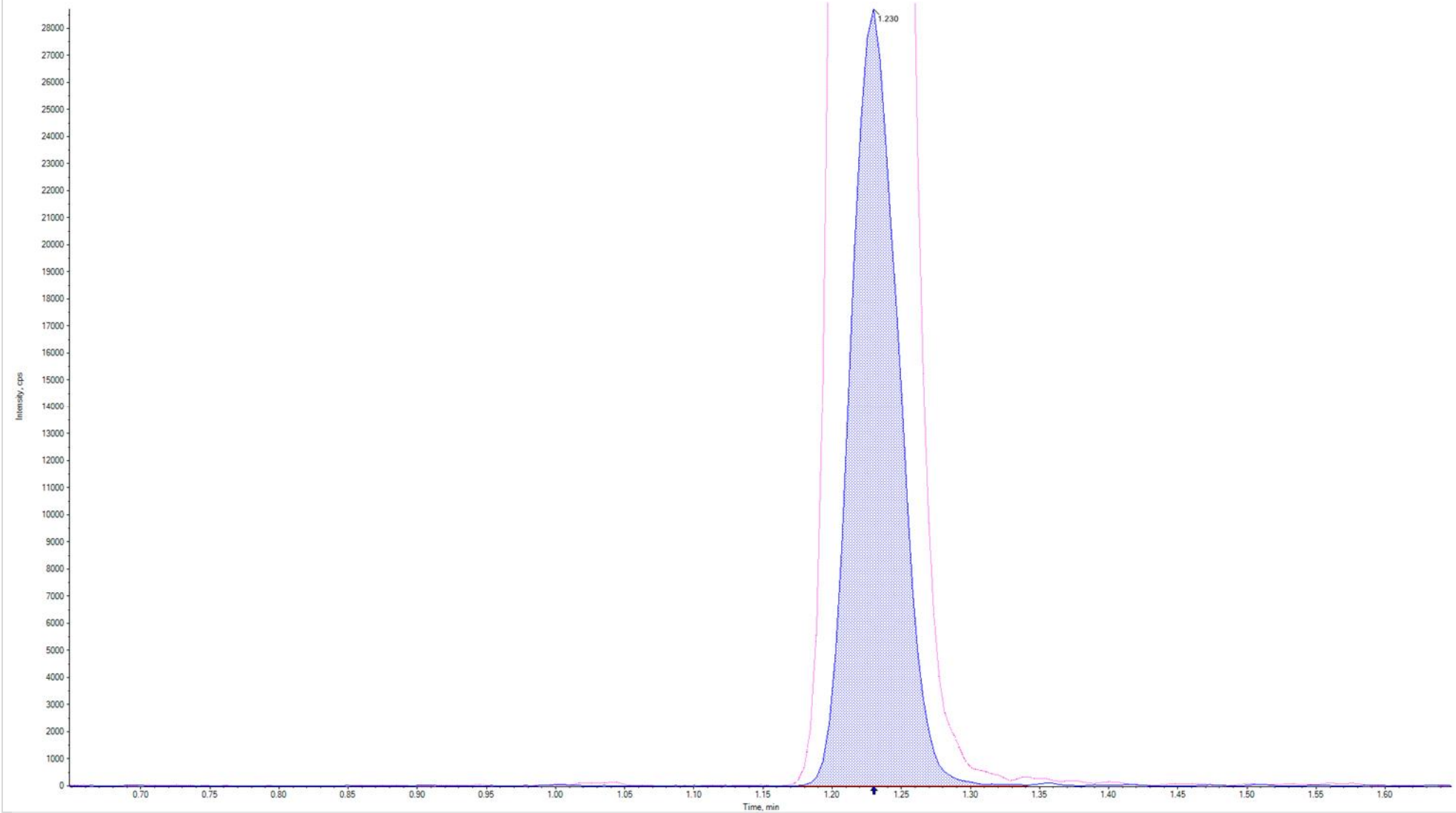
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PFPeA
Sample: IA1633STD-50 S/N:20415.3 Points Across peak:64



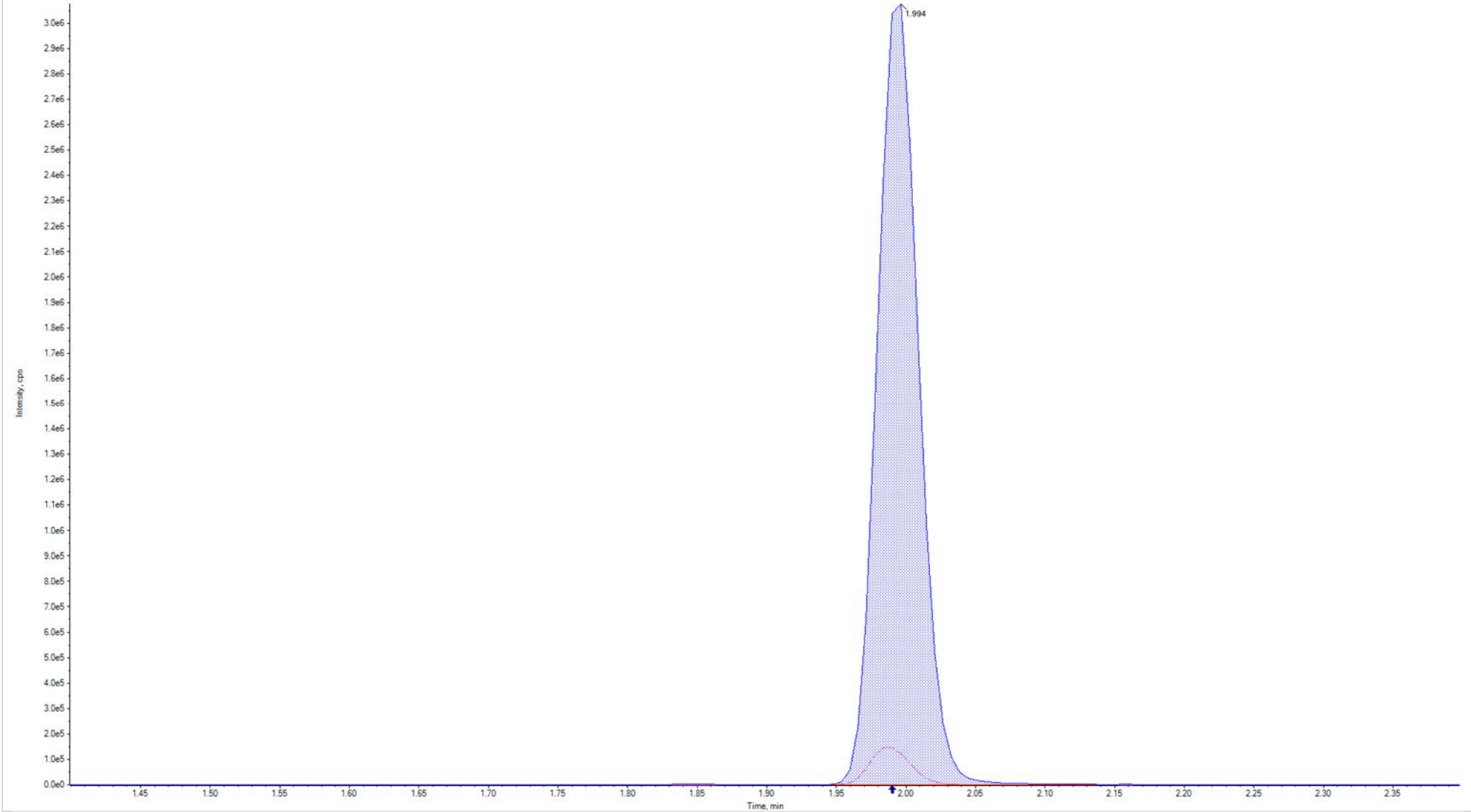
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PFPeA_2
Sample: IA1633STD-50 S/N:1726.9 Points Across peak:44



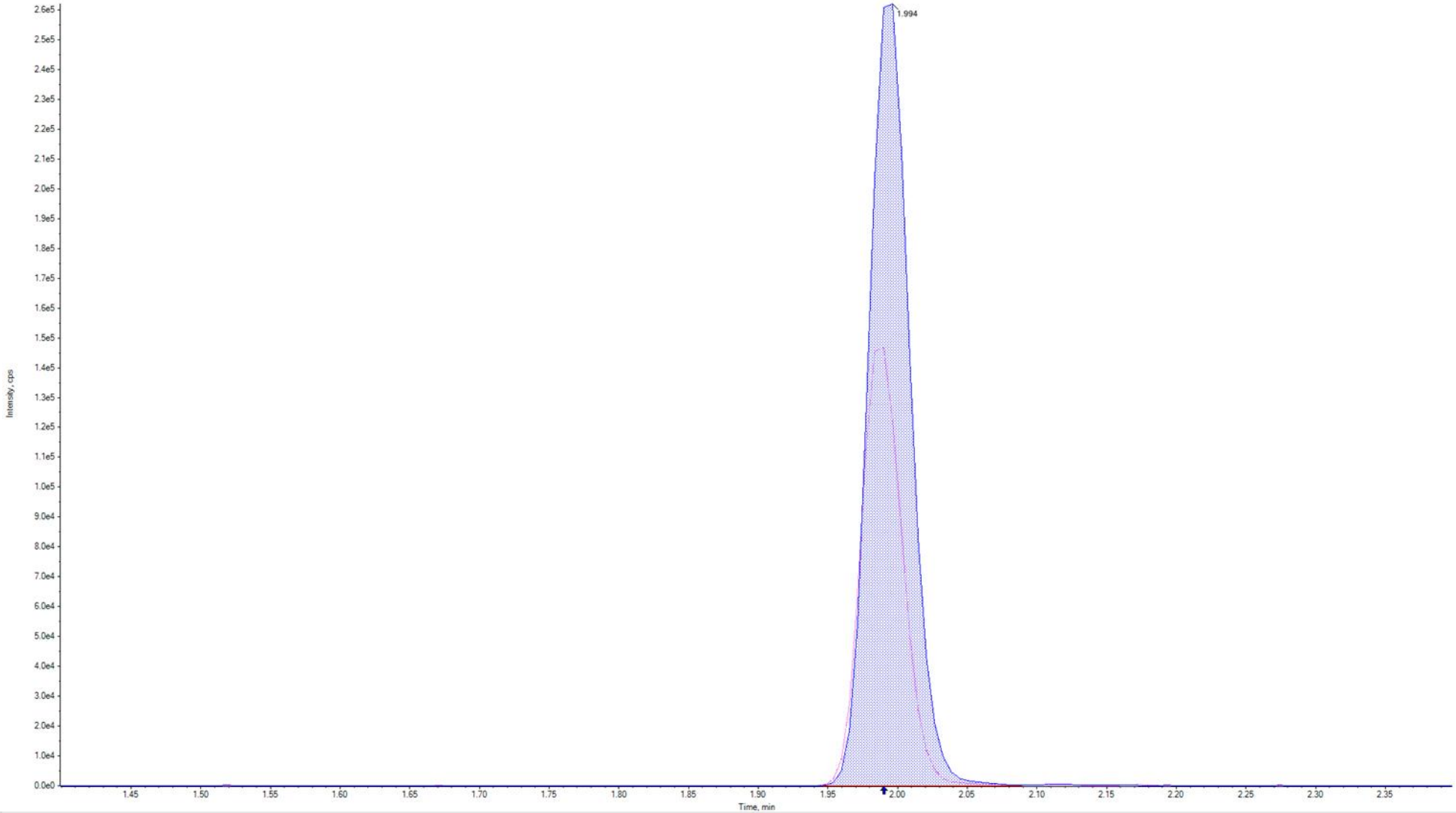
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PFHxA
Sample: IA1633STD-50 S/N:19569.8 Points Across peak:37



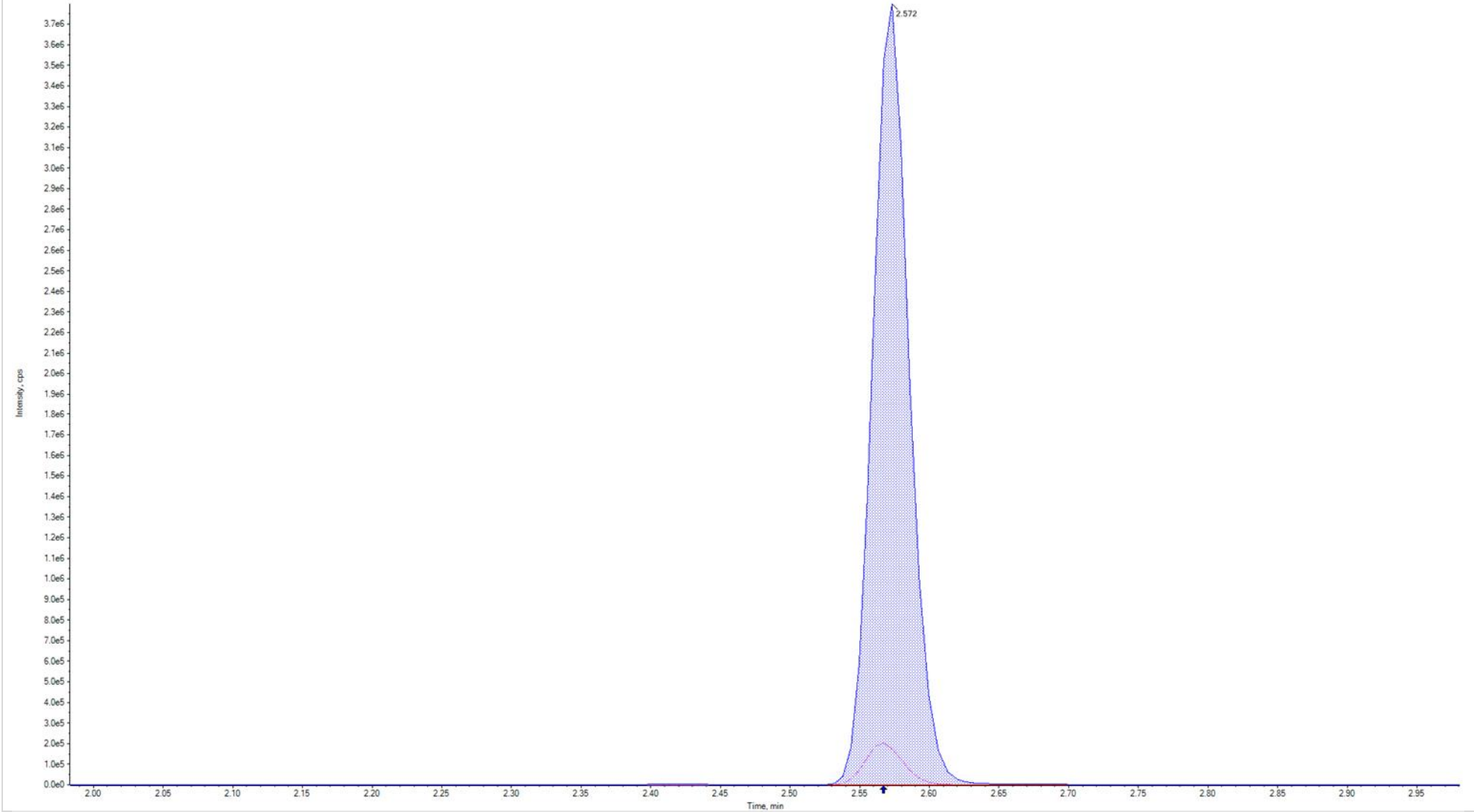
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PFHxA_2
Sample: IA1633STD-50 S/N:3656.8 Points Across peak:27



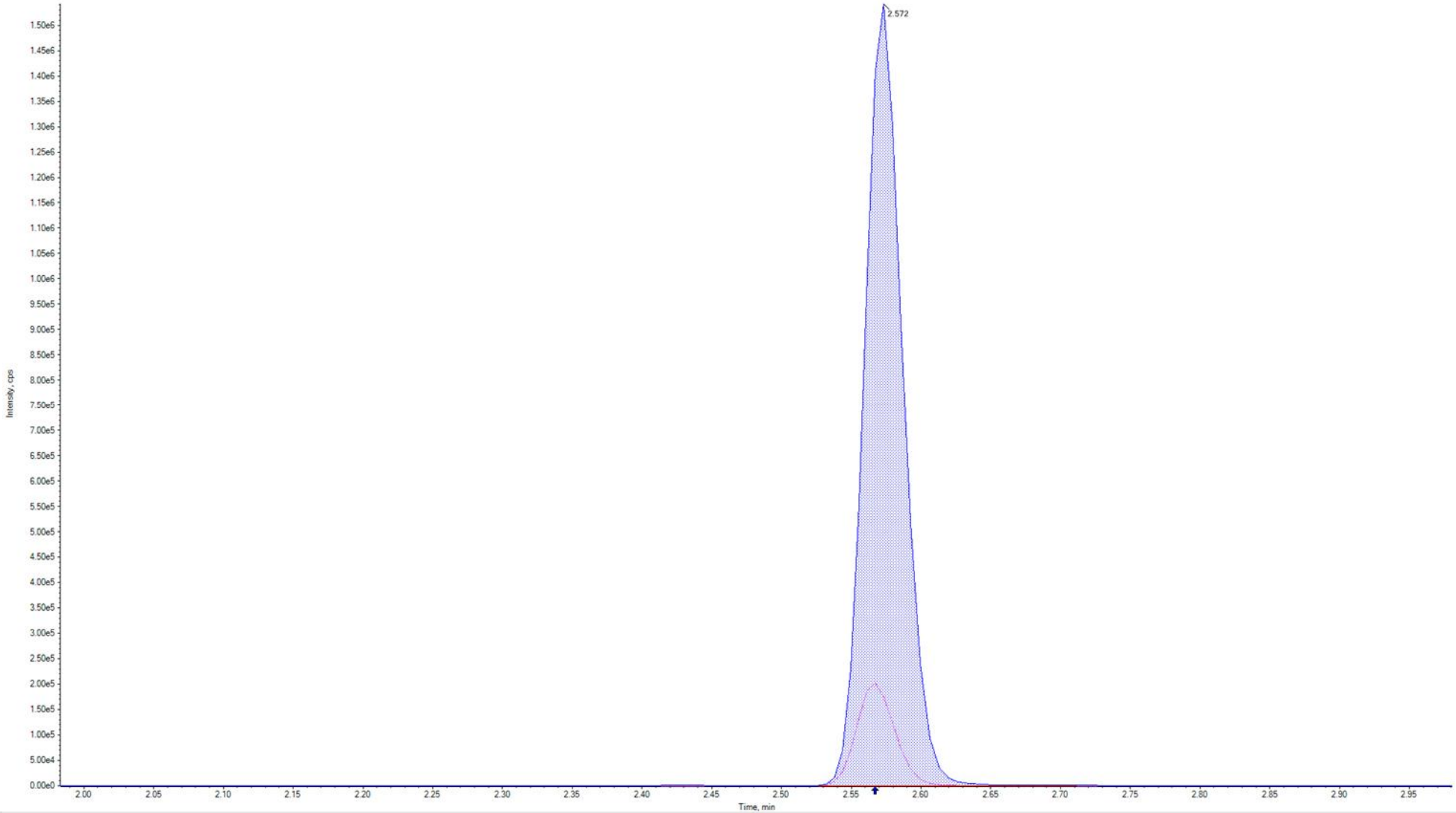
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PFHpA
Sample: IA1633STD-50 S/N:76168.6 Points Across peak:33



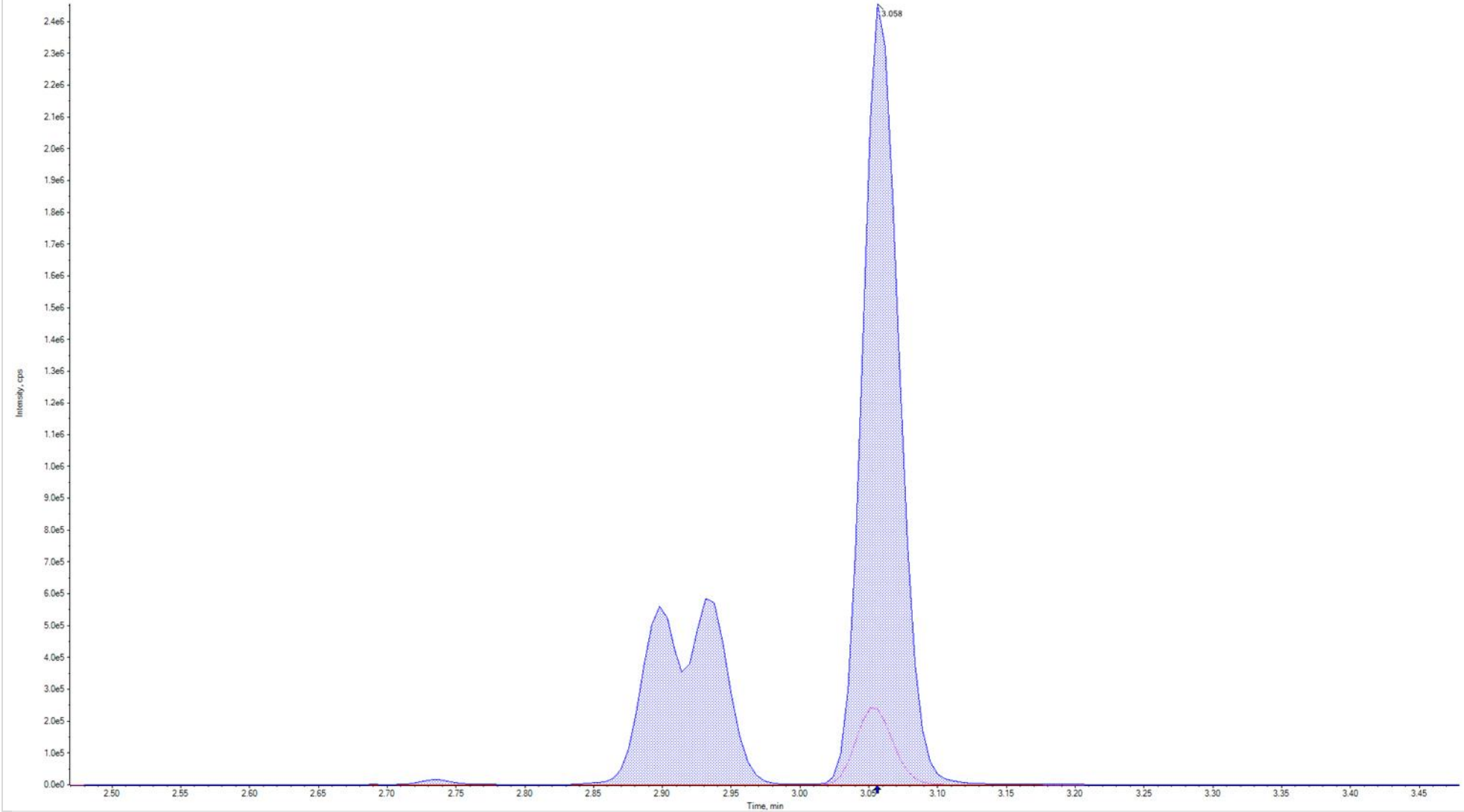
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PFHpA_2
Sample: IA1633STD-50 S/N:5369.8 Points Across peak:33



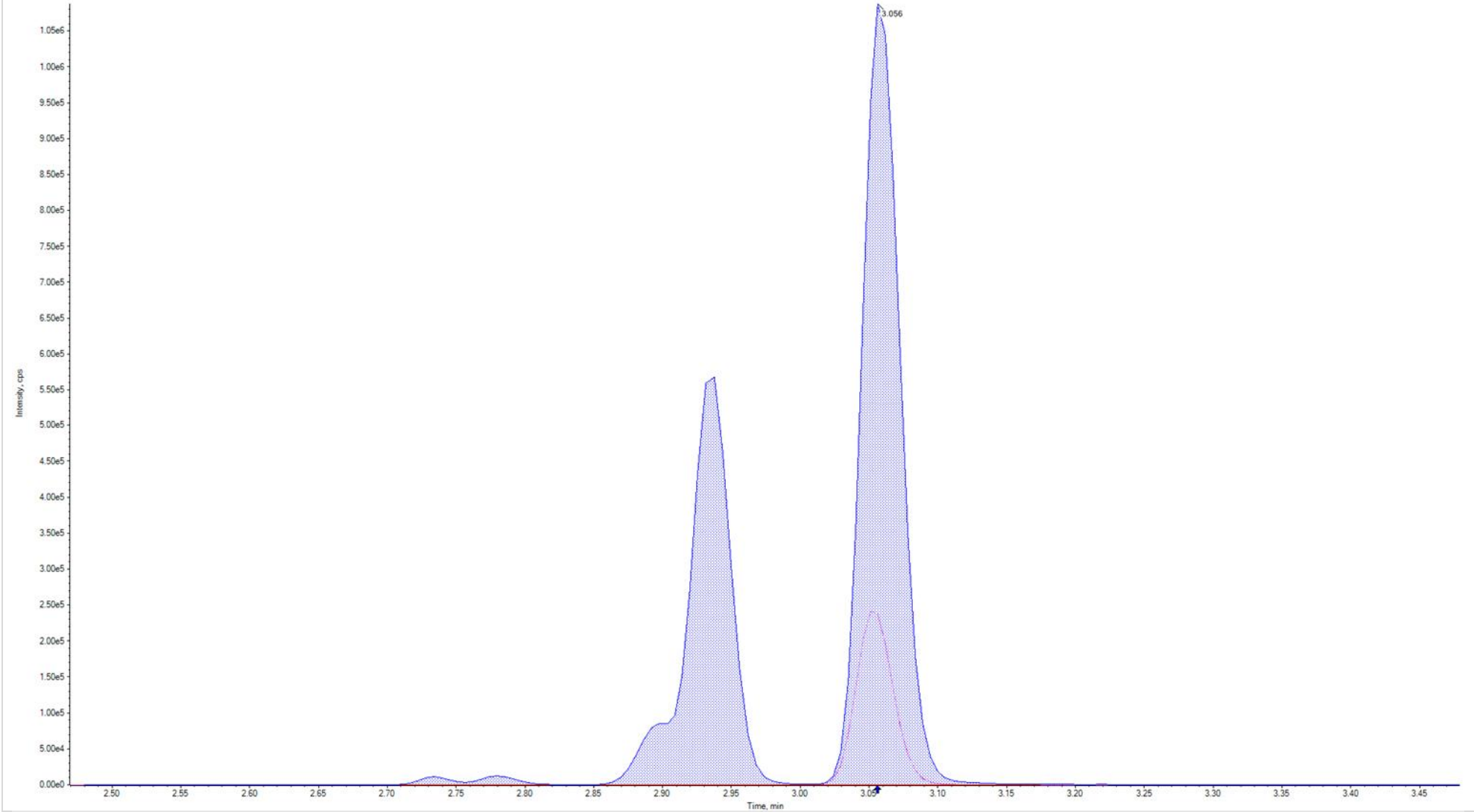
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PFOA
Sample: IA1633STD-50 S/N:735.0 Points Across peak:93



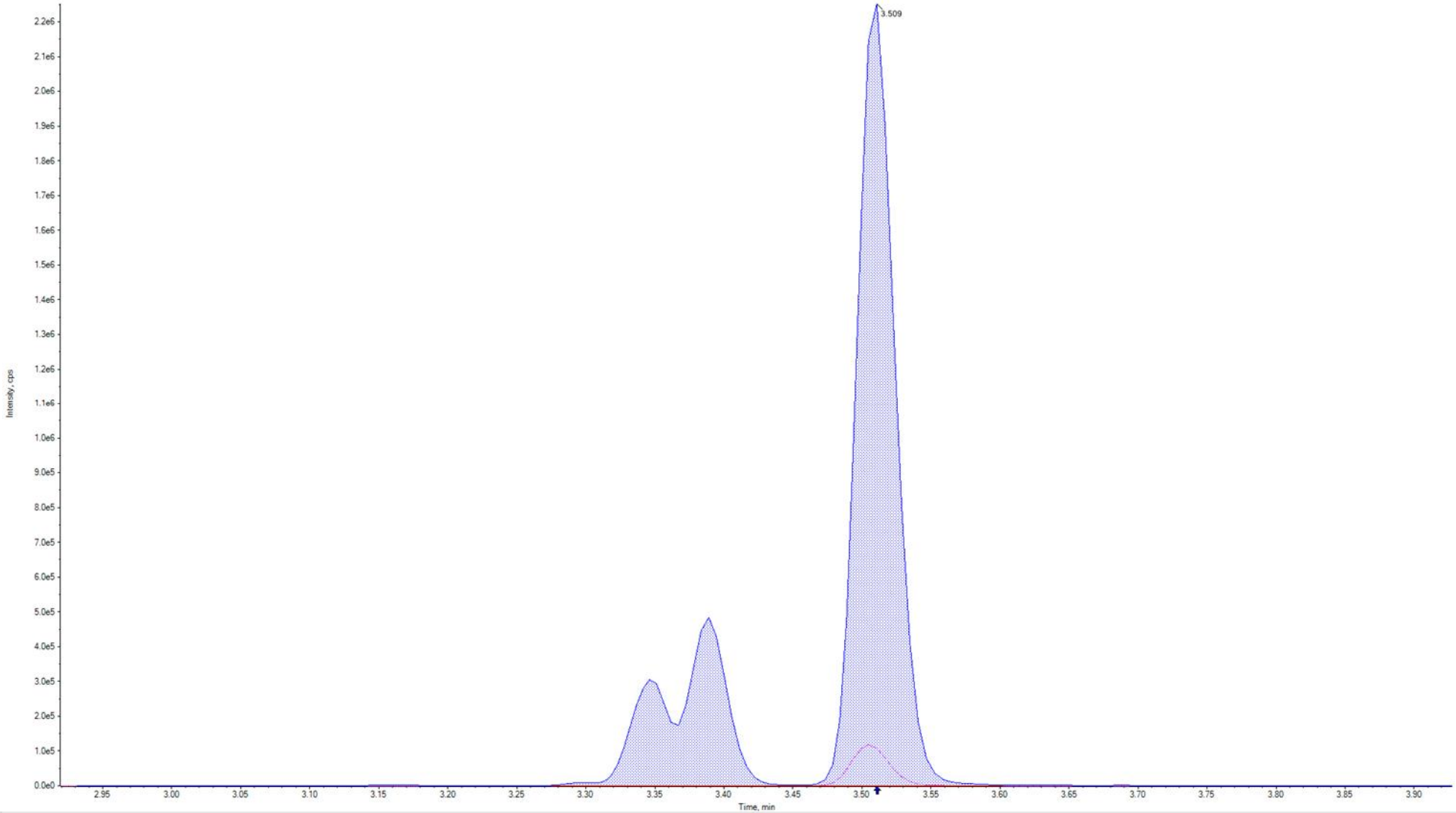
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PFOA_2
Sample: IA1633STD-50 S/N:505.7 Points Across peak:86



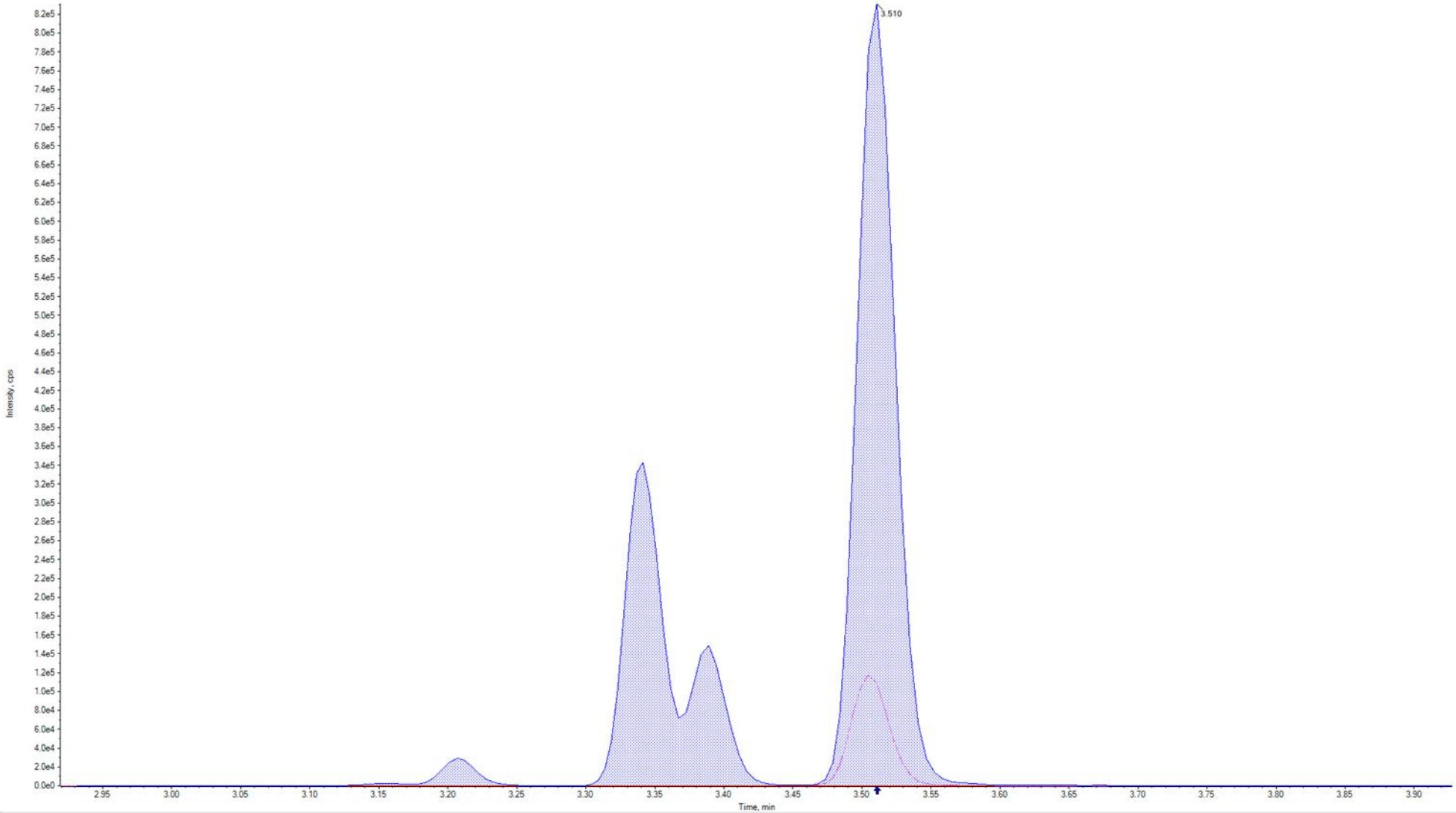
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PFNA
Sample: IA1633STD-50 S/N:883.2 Points Across peak:65



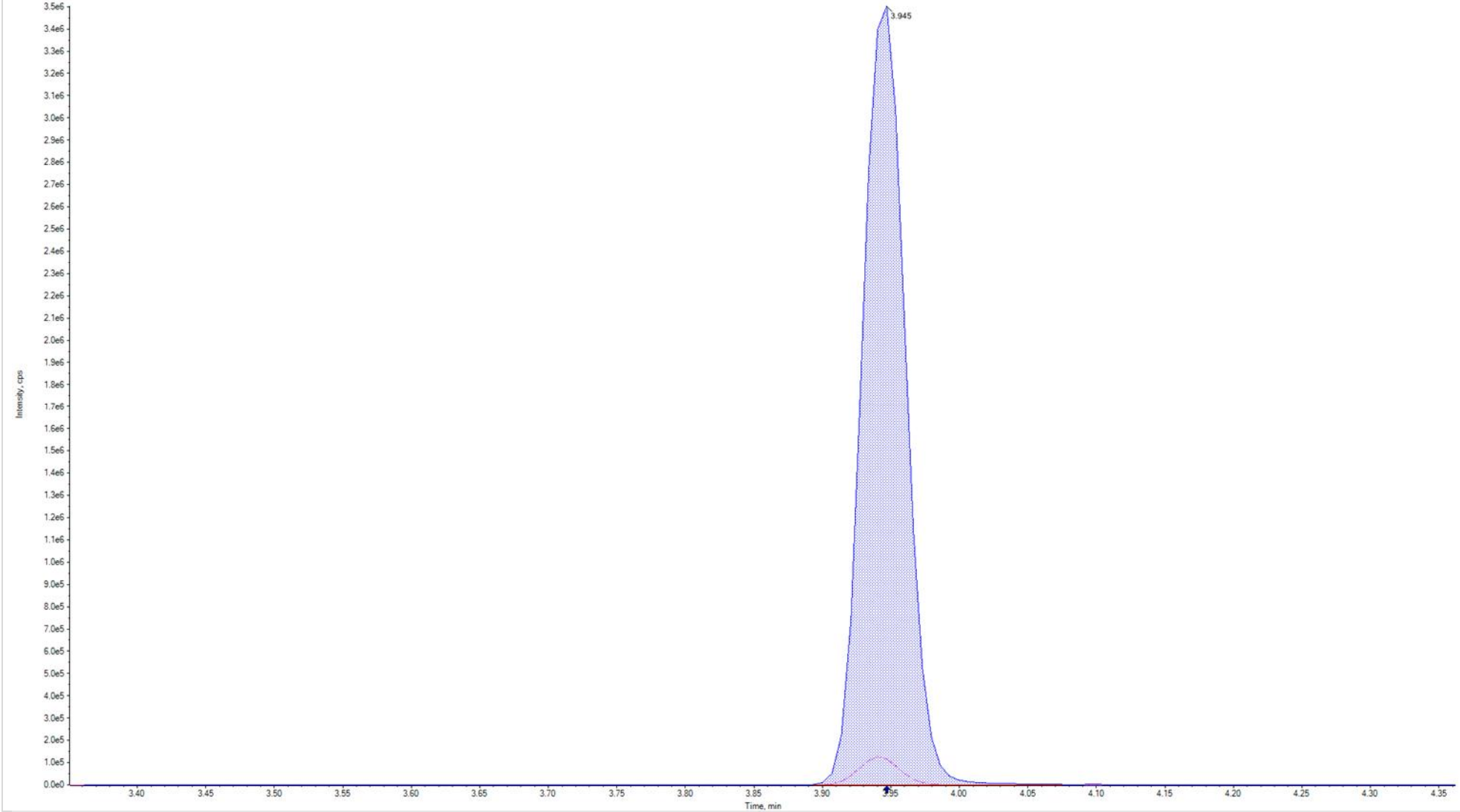
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PFNA_2
Sample: IA1633STD-50 S/N:423.6 Points Across peak:91



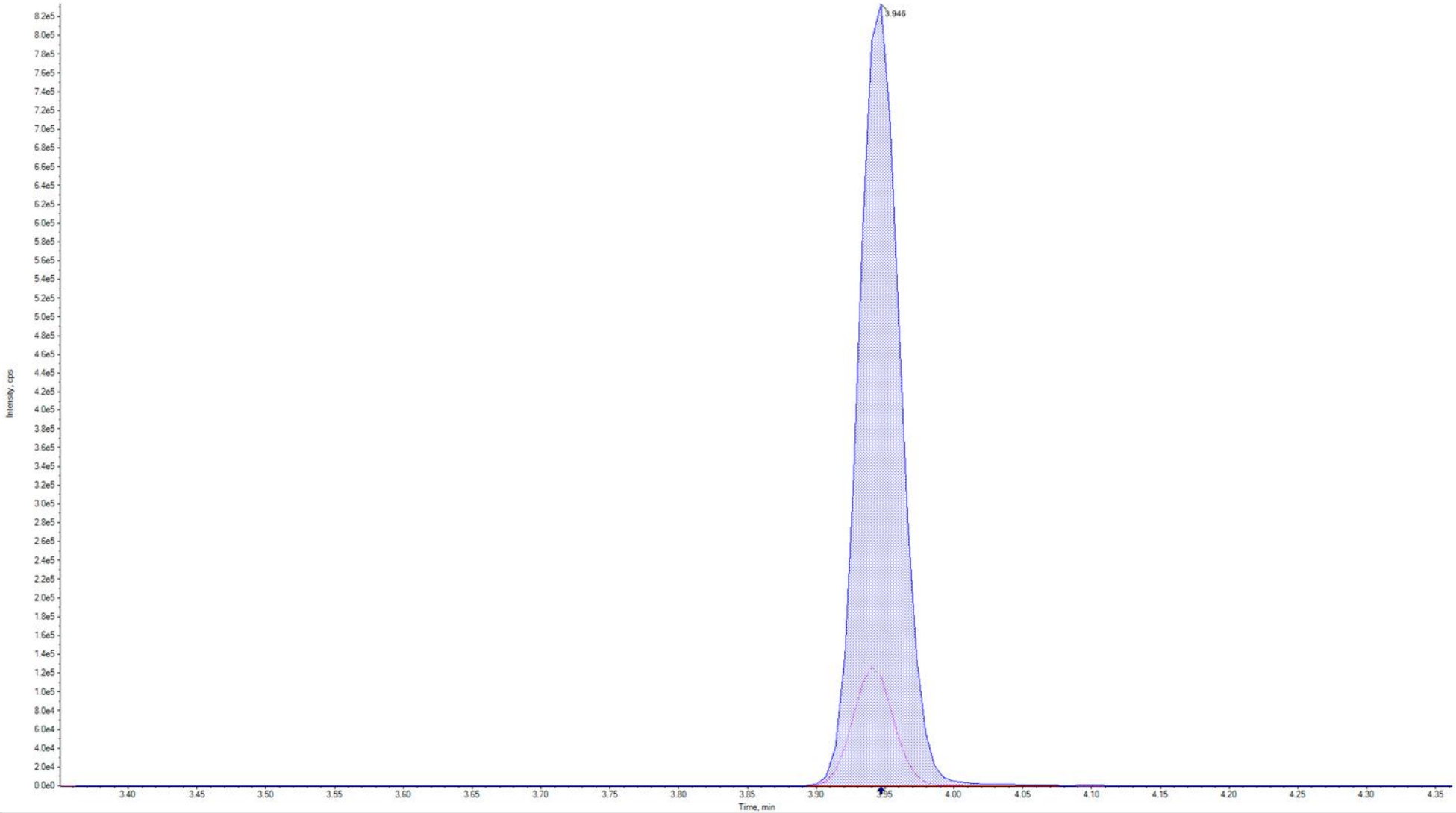
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_18.wiff2_8
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFDA
Sample: IA1633STD-50 S/N:70230.1 Points Across peak:32



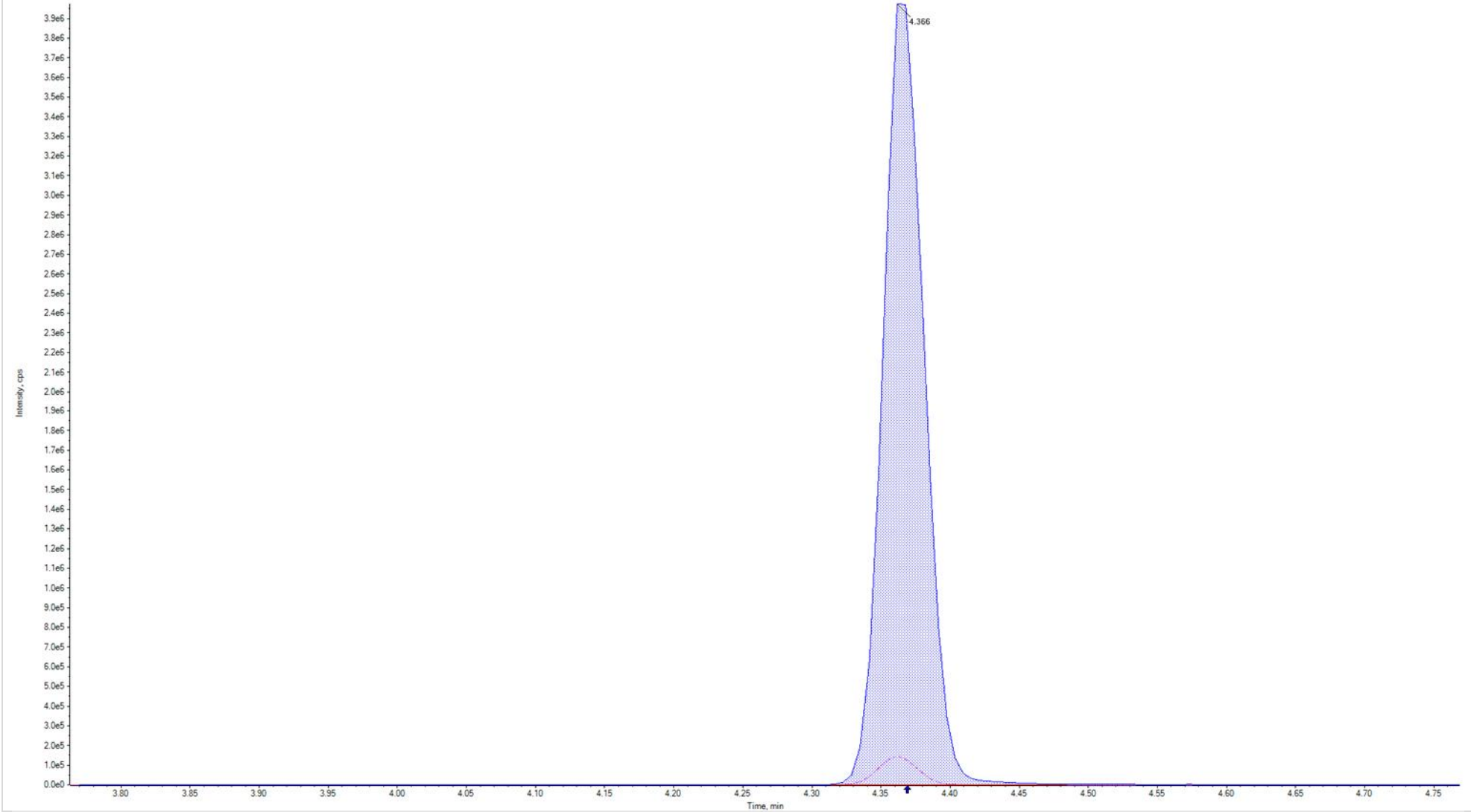
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFDA_2
Sample: IA1633STD-50 S/N:6990.3 Points Across peak:36



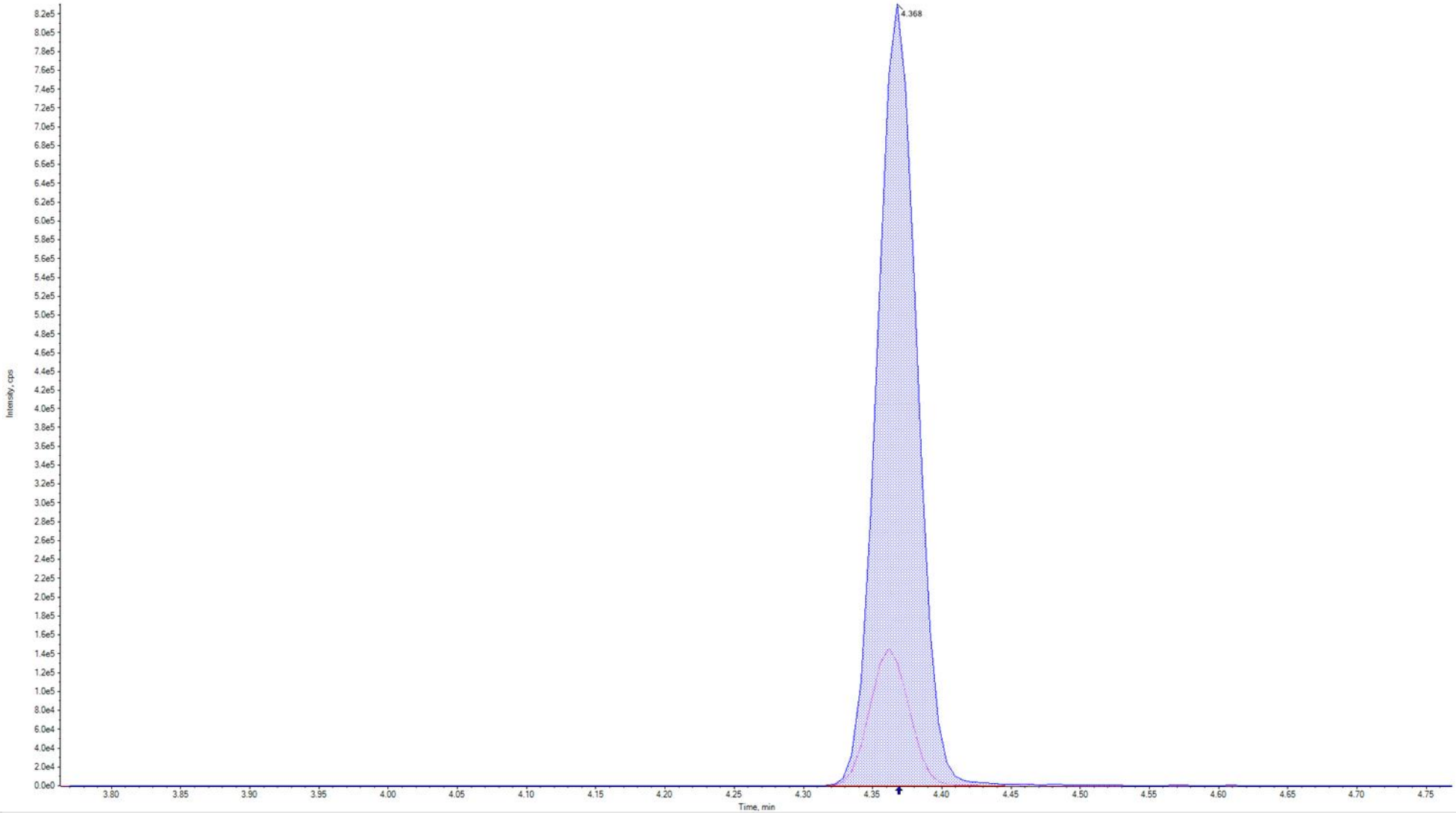
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFUnA
Sample: IA1633STD-50 S/N:89651.3 Points Across peak:32



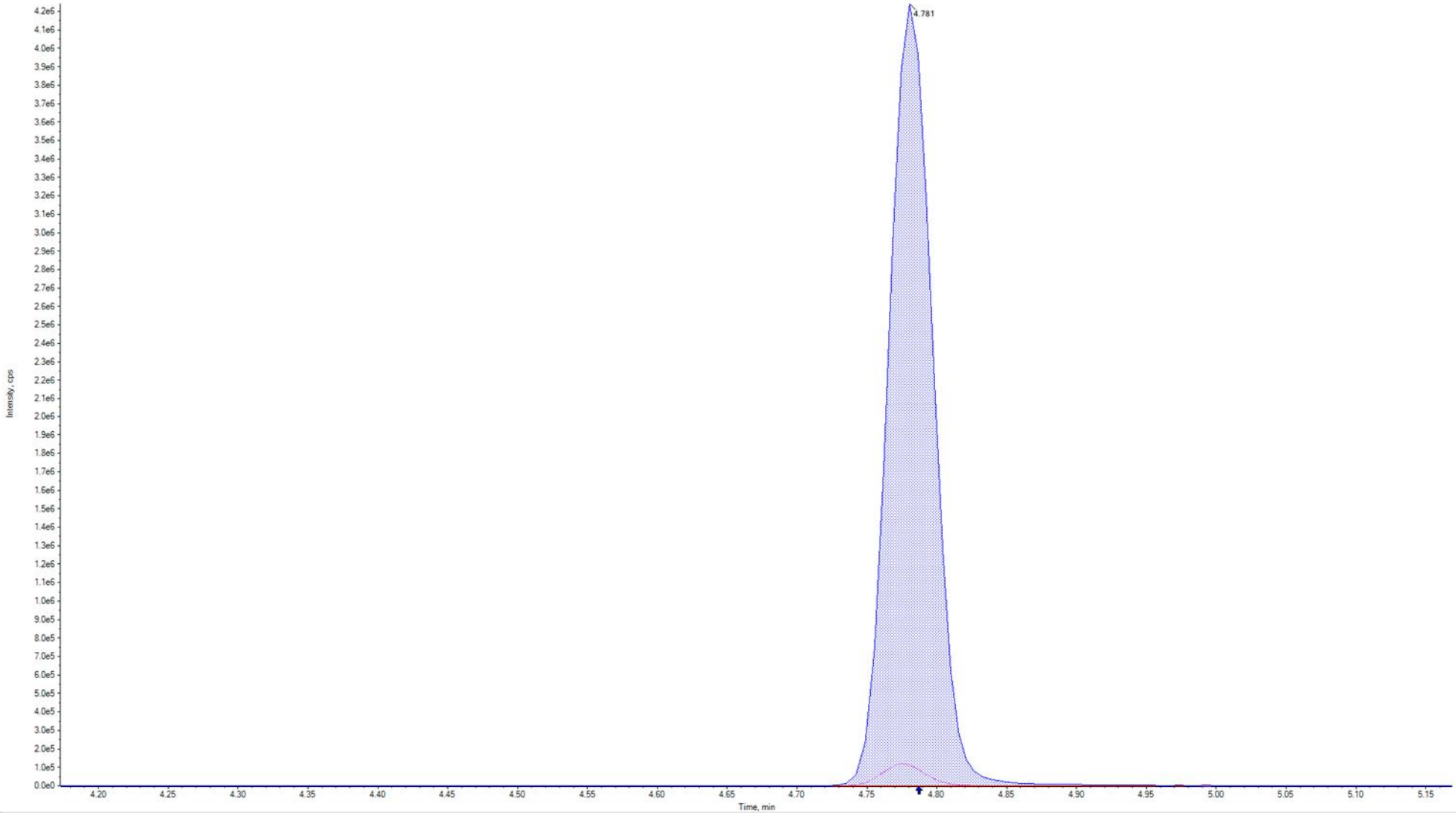
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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PFUnA_2
Sample: IA1633STD-50 S/N:5586.2 Points Across peak:26



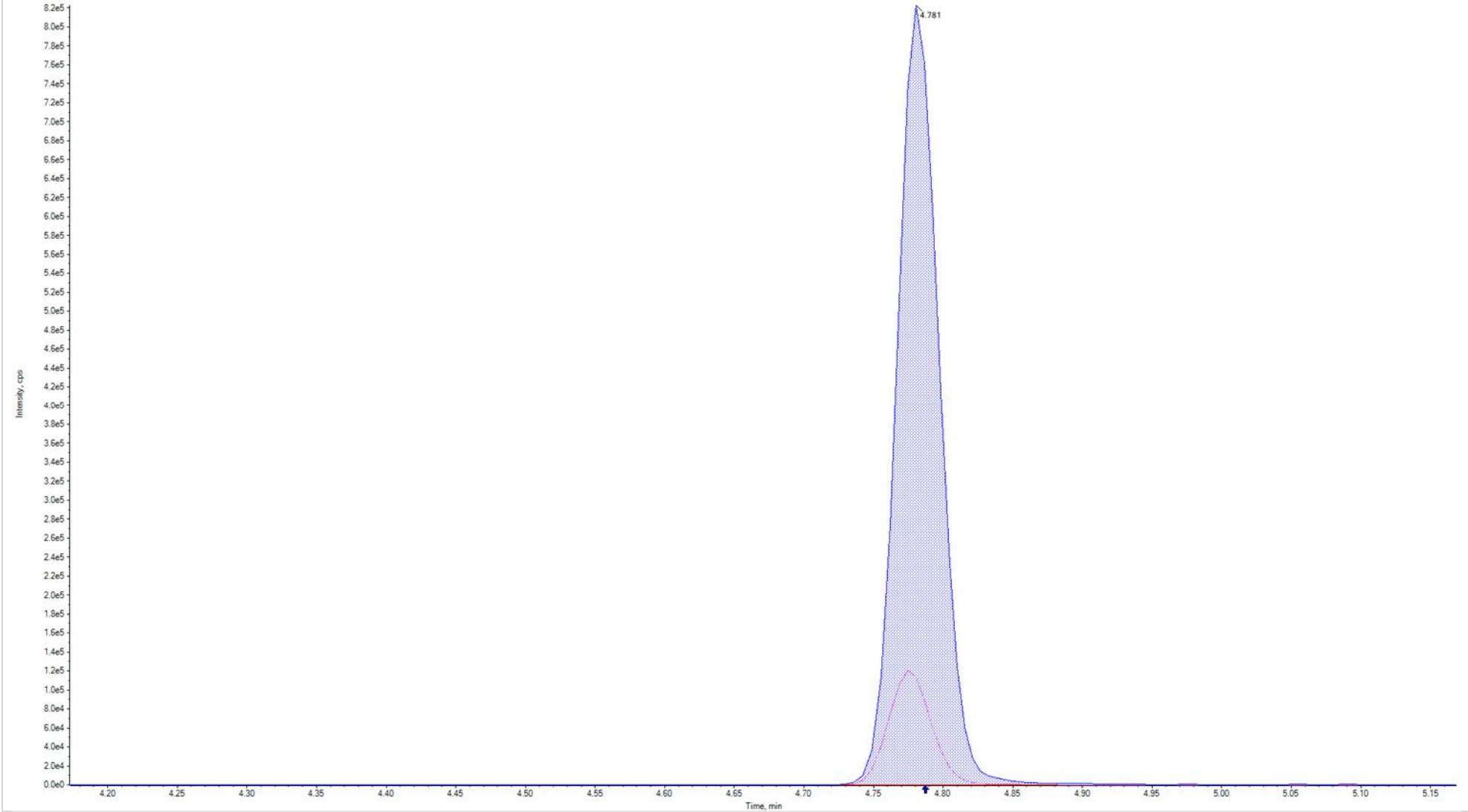
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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PFDoA
Sample: IA1633STD-50 S/N:116920.5 Points Across peak:48



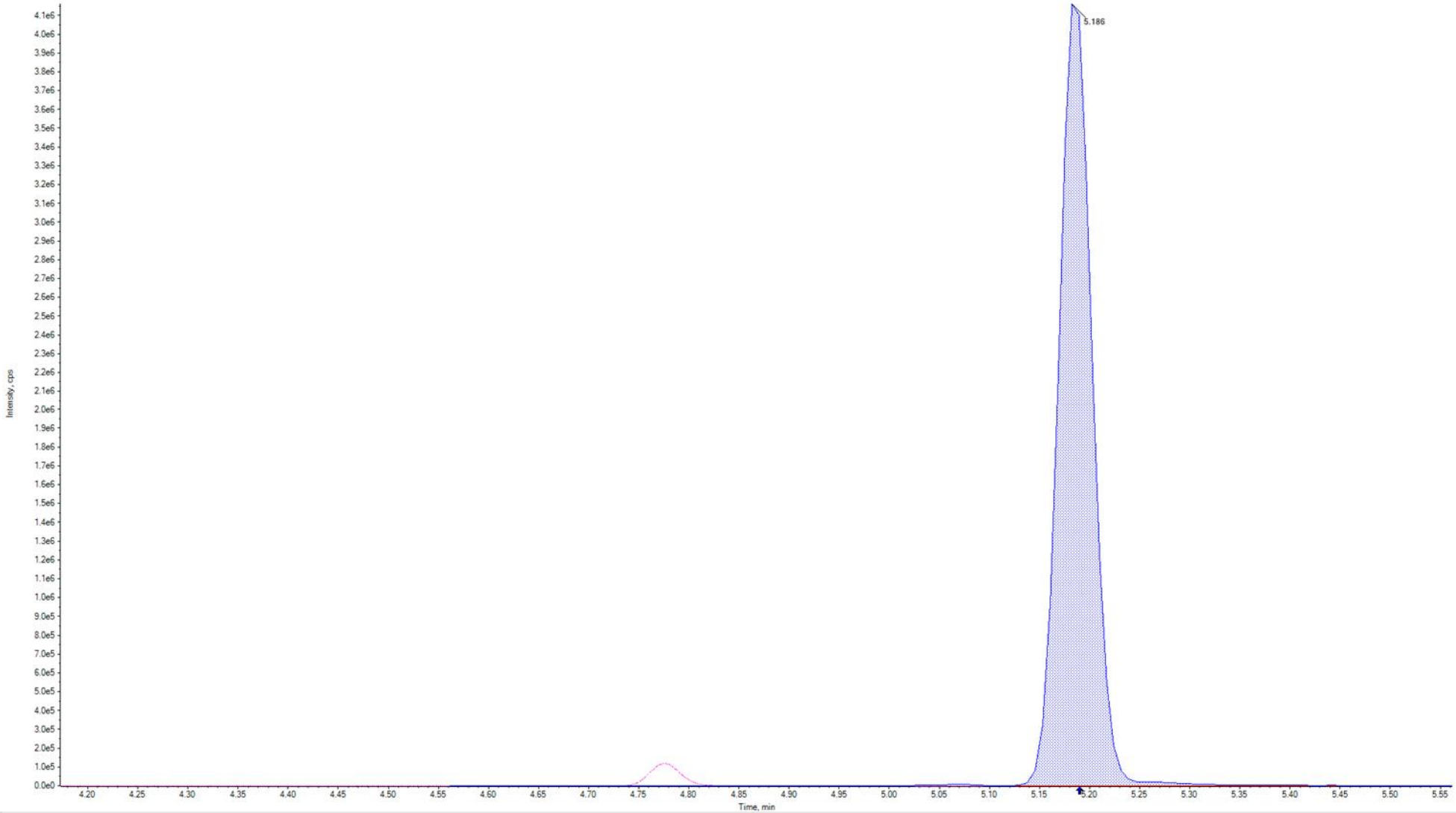
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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PFDoA_2
Sample: IA1633STD-50 S/N:5890.7 Points Across peak:31



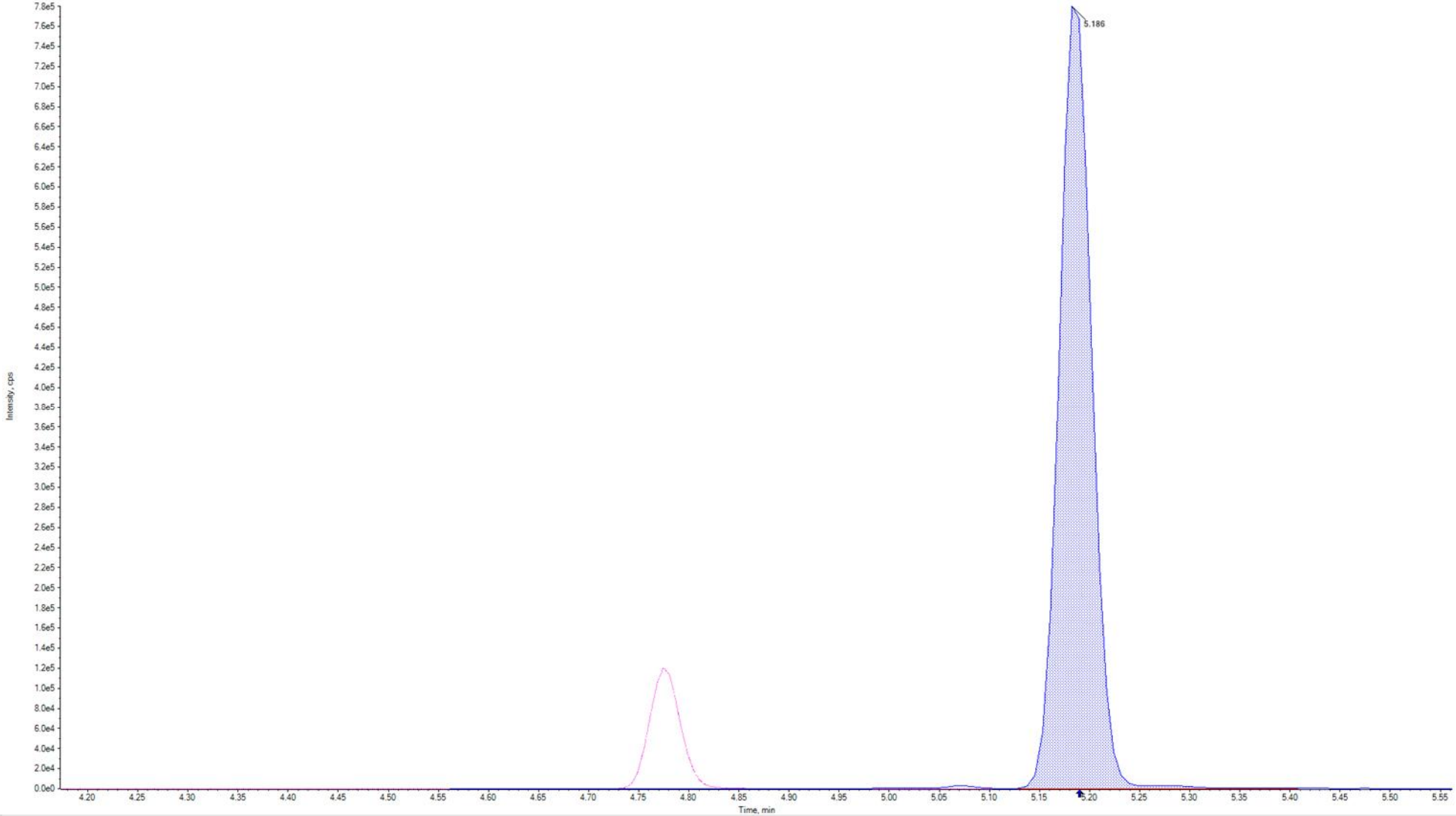
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Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

PFTrDA
Sample: IA1633STD-50 S/N:56868.8 Points Across peak:45



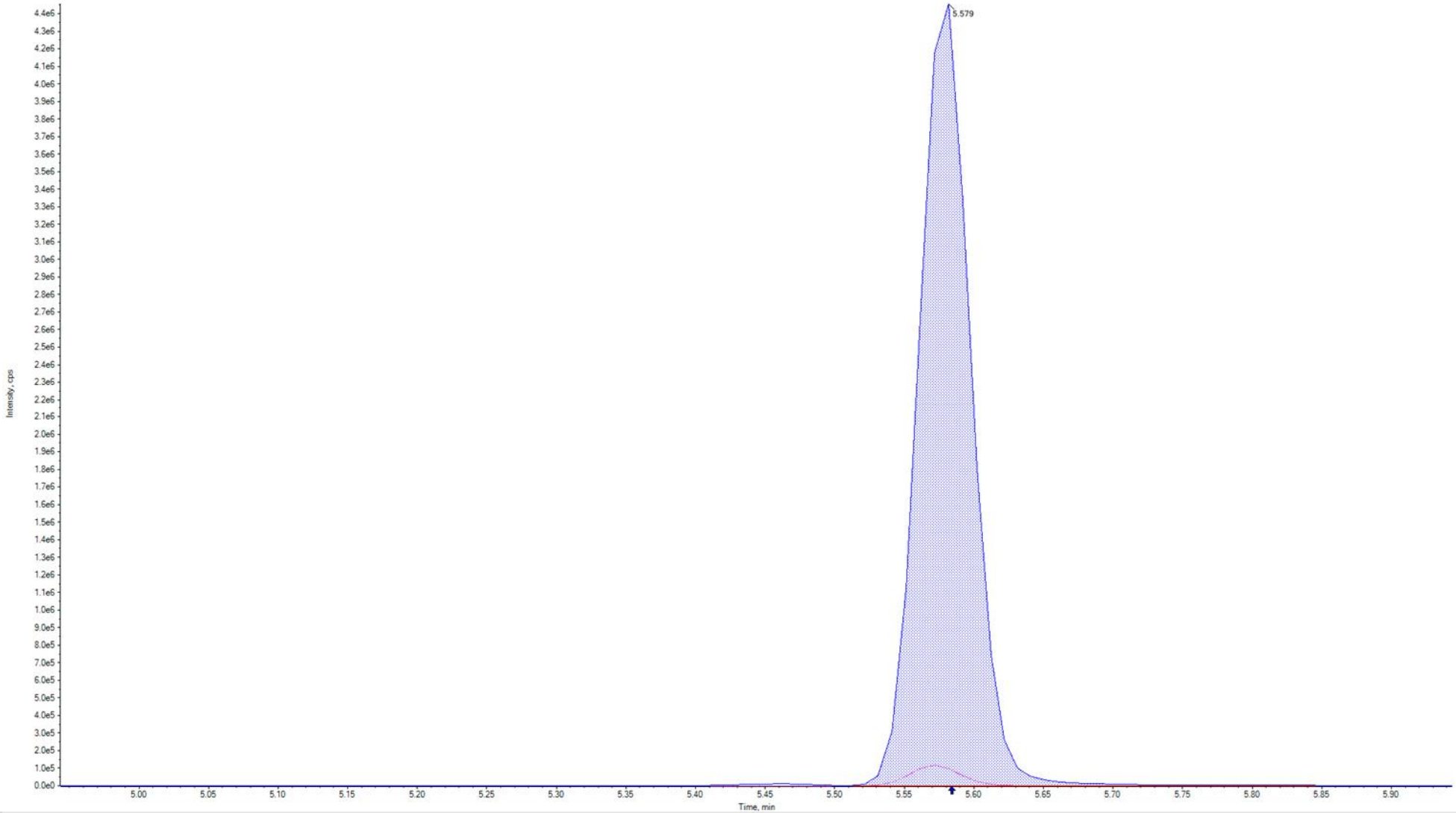
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_18.wiff2_8
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFTrDA_2
Sample: IA1633STD-50 S/N:2994.1 Points Across peak:39



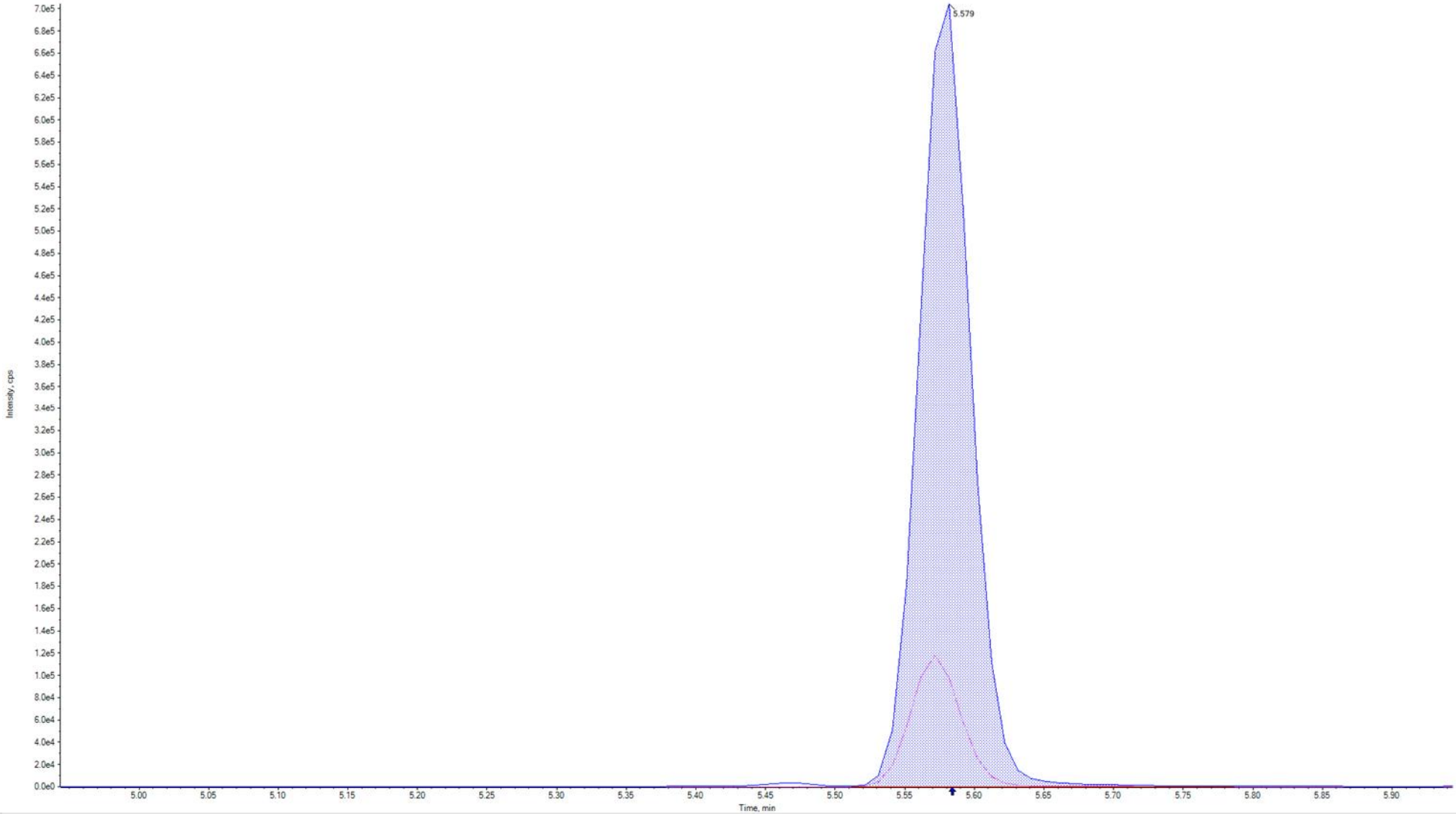
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFTeDA
Sample: IA1633STD-50 S/N:24240.5 Points Across peak:45



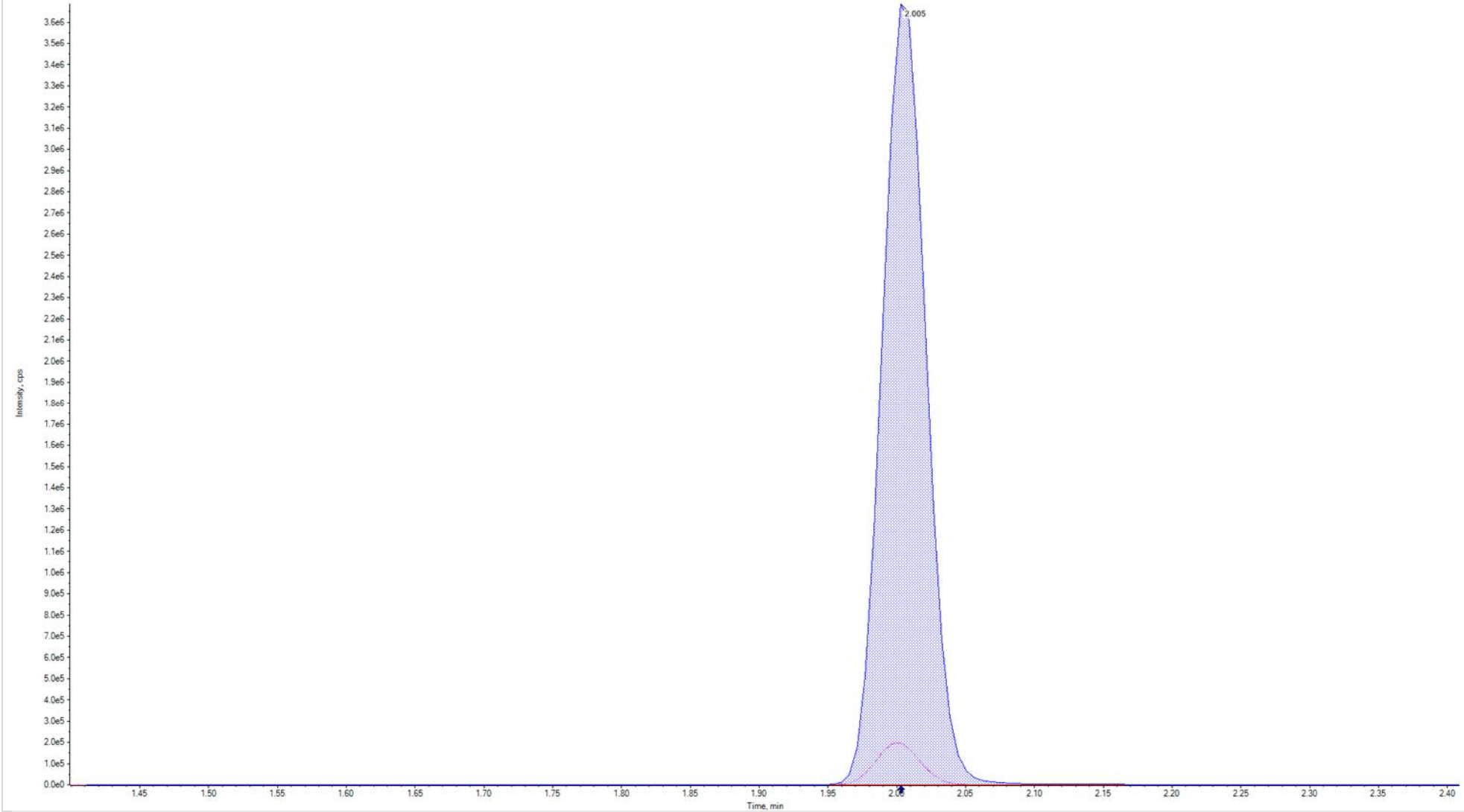
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFTeDA_2
Sample: IA1633STD-50 S/N:44132.9 Points Across peak:30



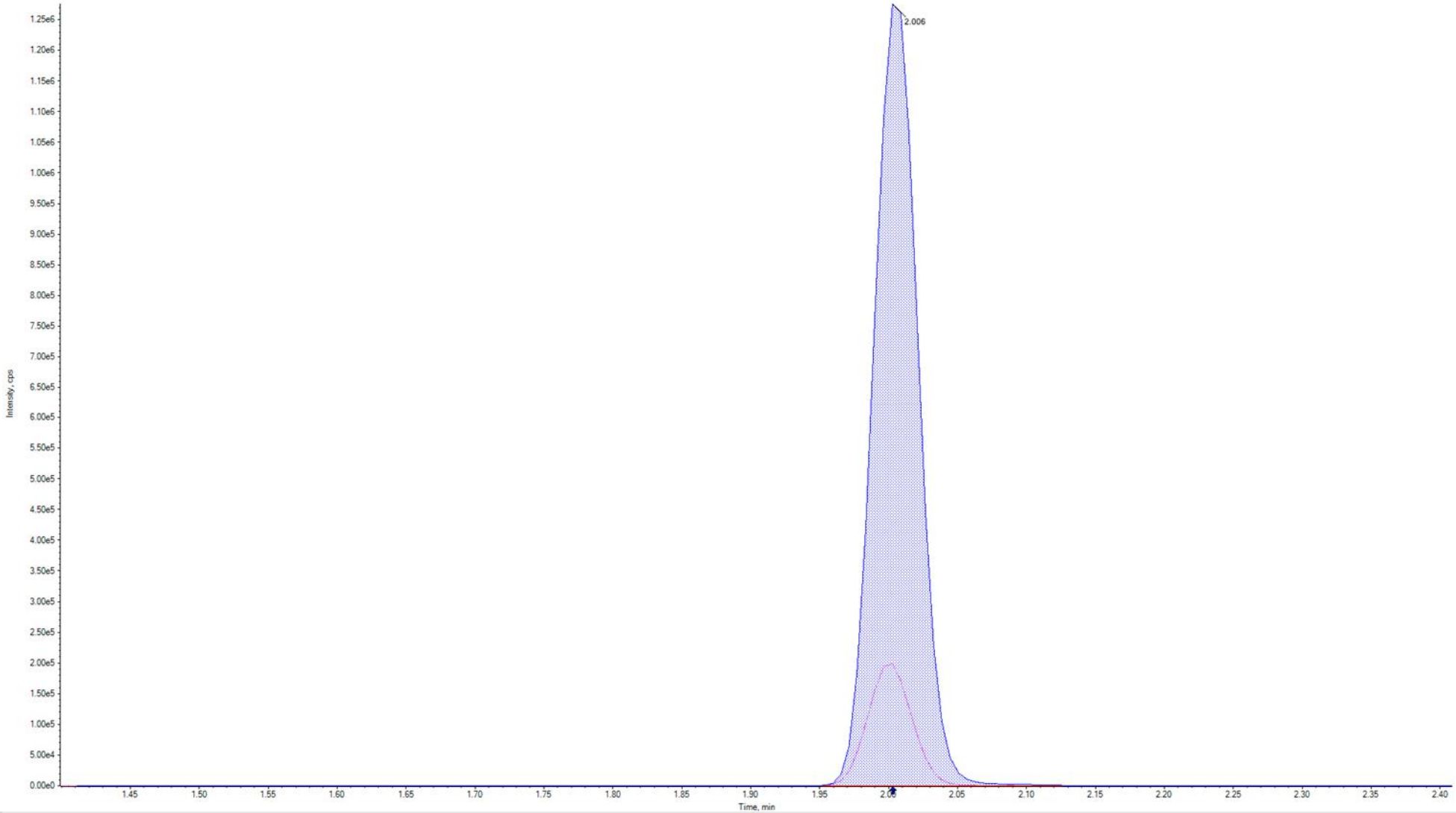
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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PFBS
Sample: IA1633STD-50 S/N:92397.1 Points Across peak:47



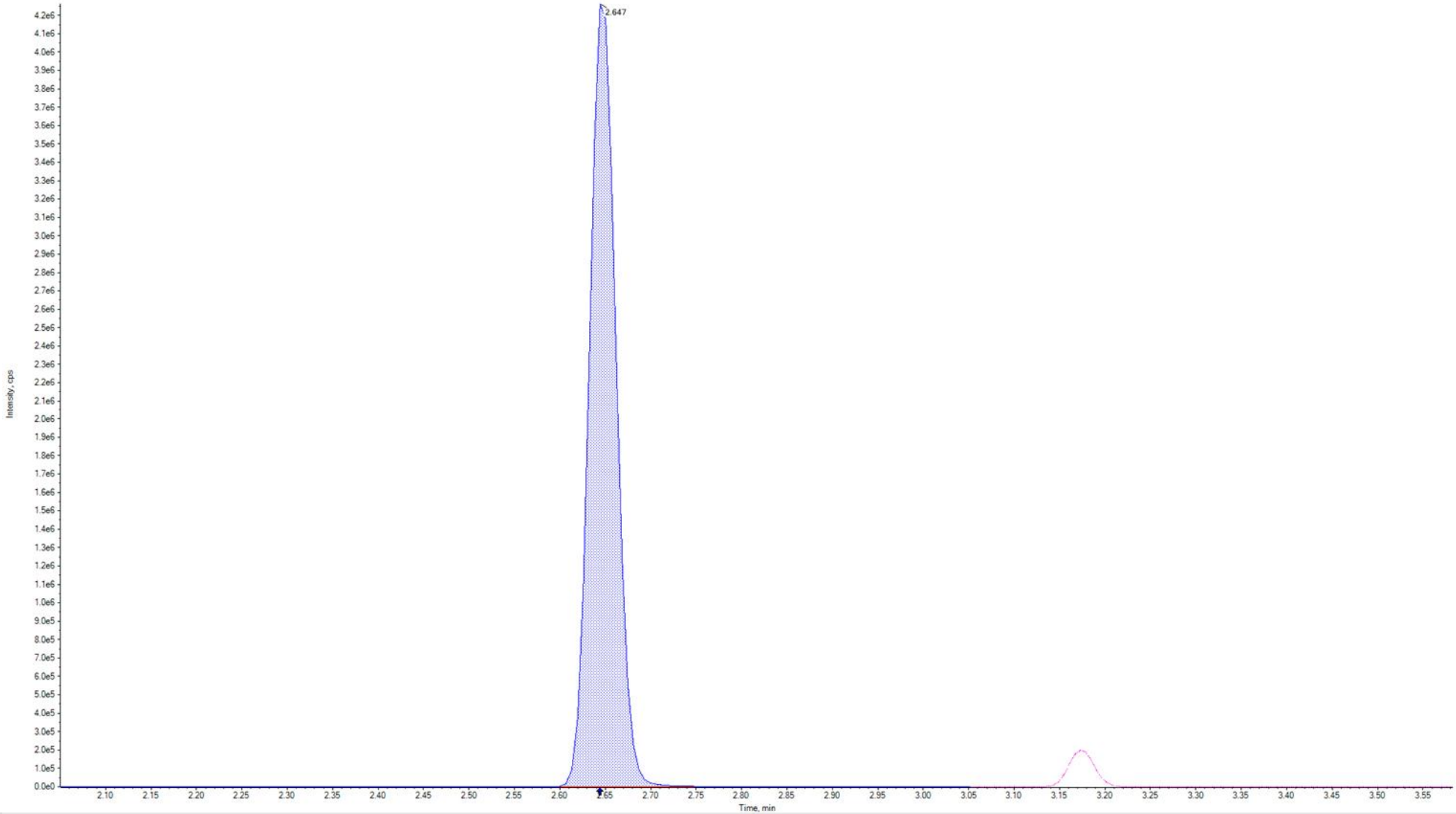
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFBS_2
Sample: IA1633STD-50 S/N:6970.5 Points Across peak:34



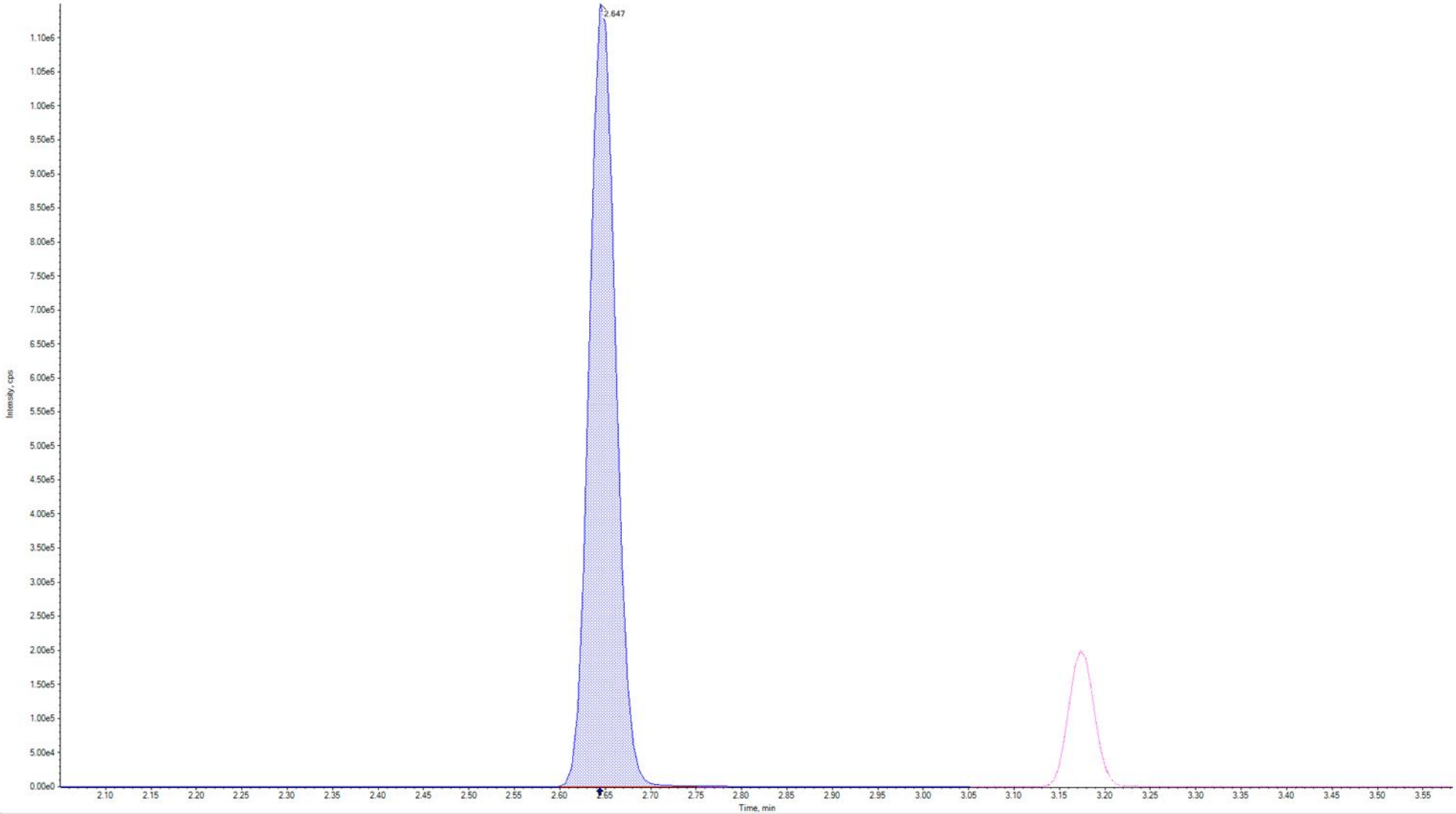
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFPeS
Sample: IA1633STD-50 S/N:85466.9 Points Across peak:30



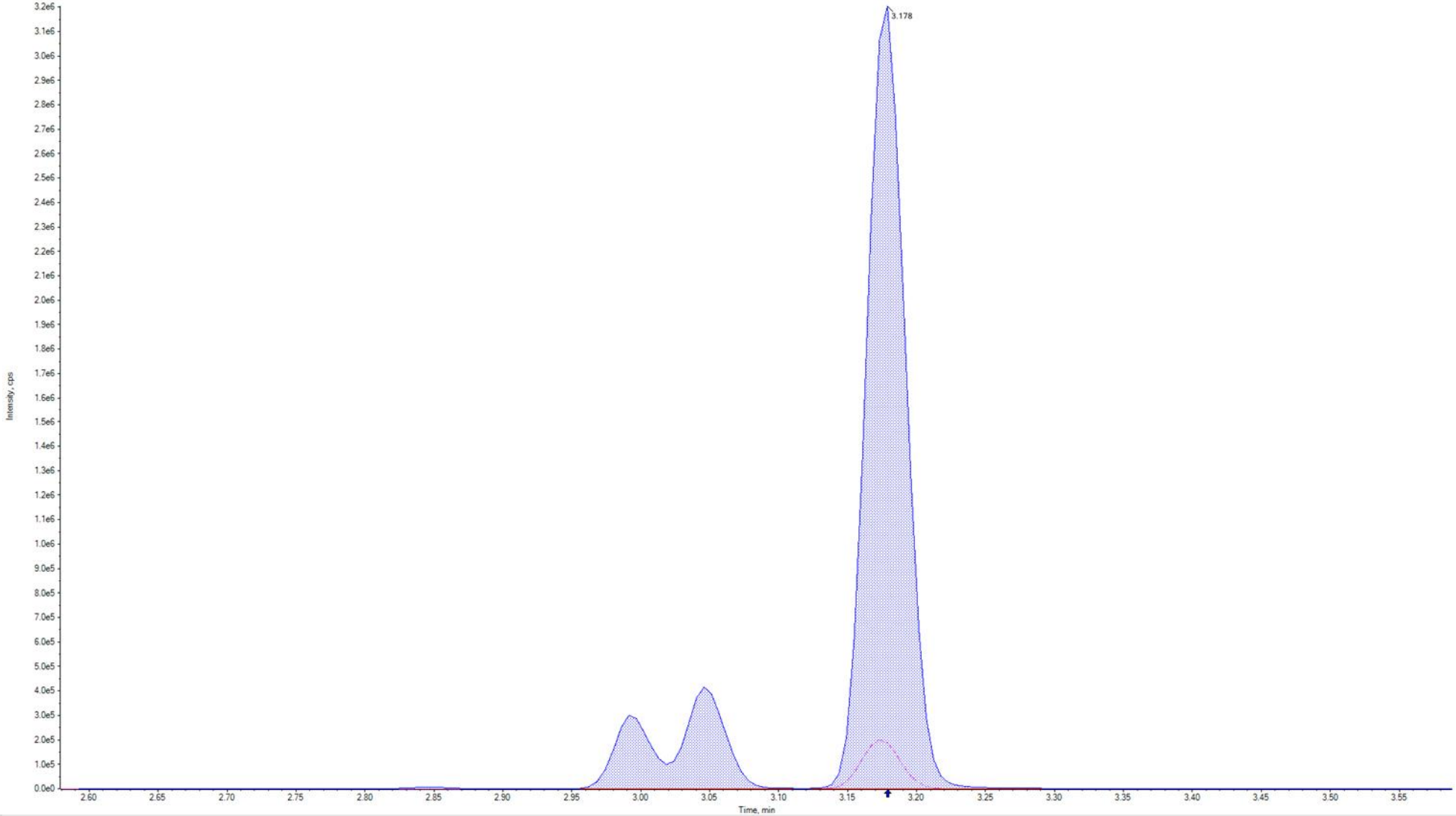
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFPeS_2
Sample: IA1633STD-50 S/N:11720.3 Points Across peak:28



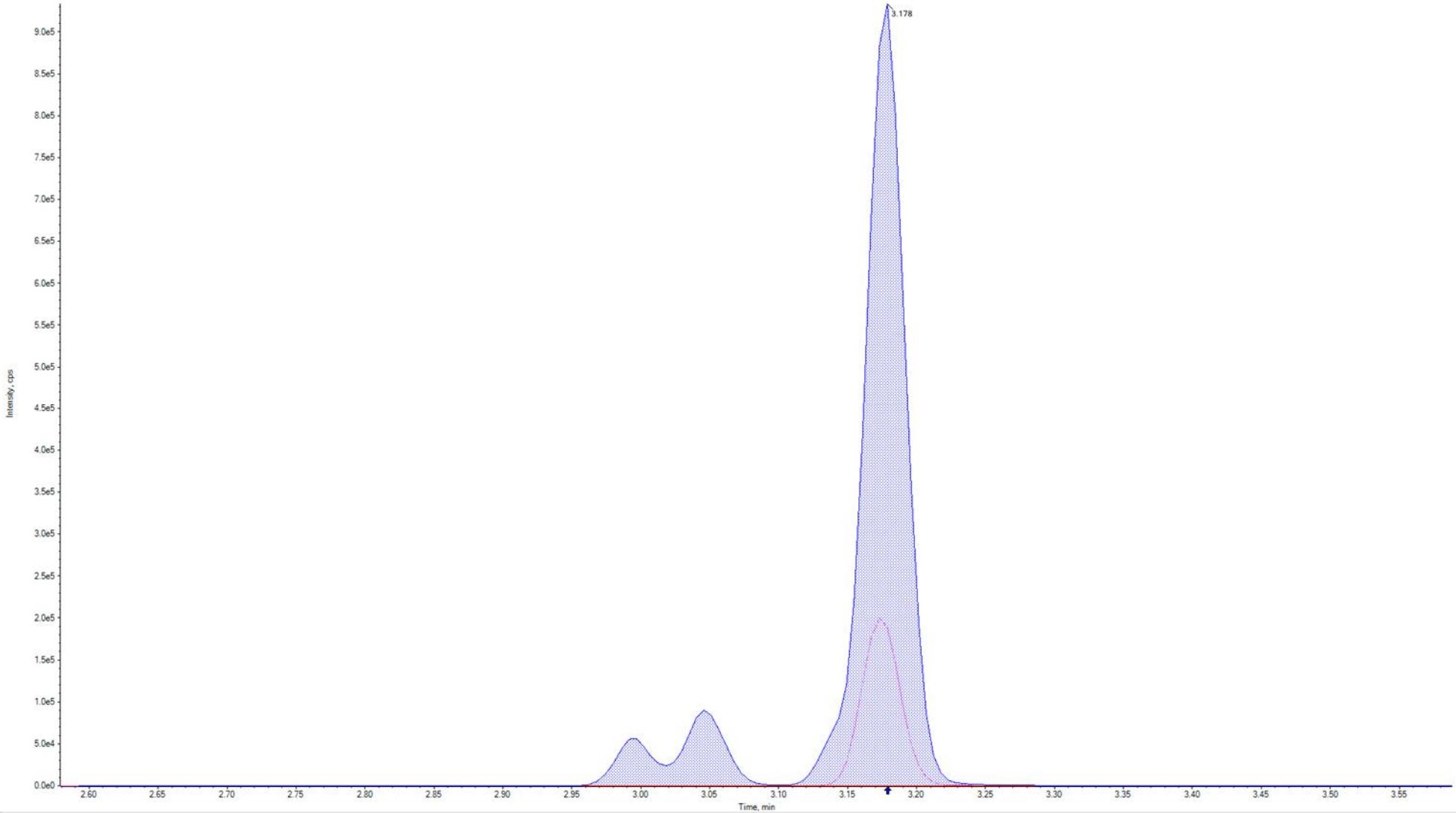
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Alpha Analytical LLC
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PFHxS
Sample: IA1633STD-50 S/N:1039.2 Points Across peak:70



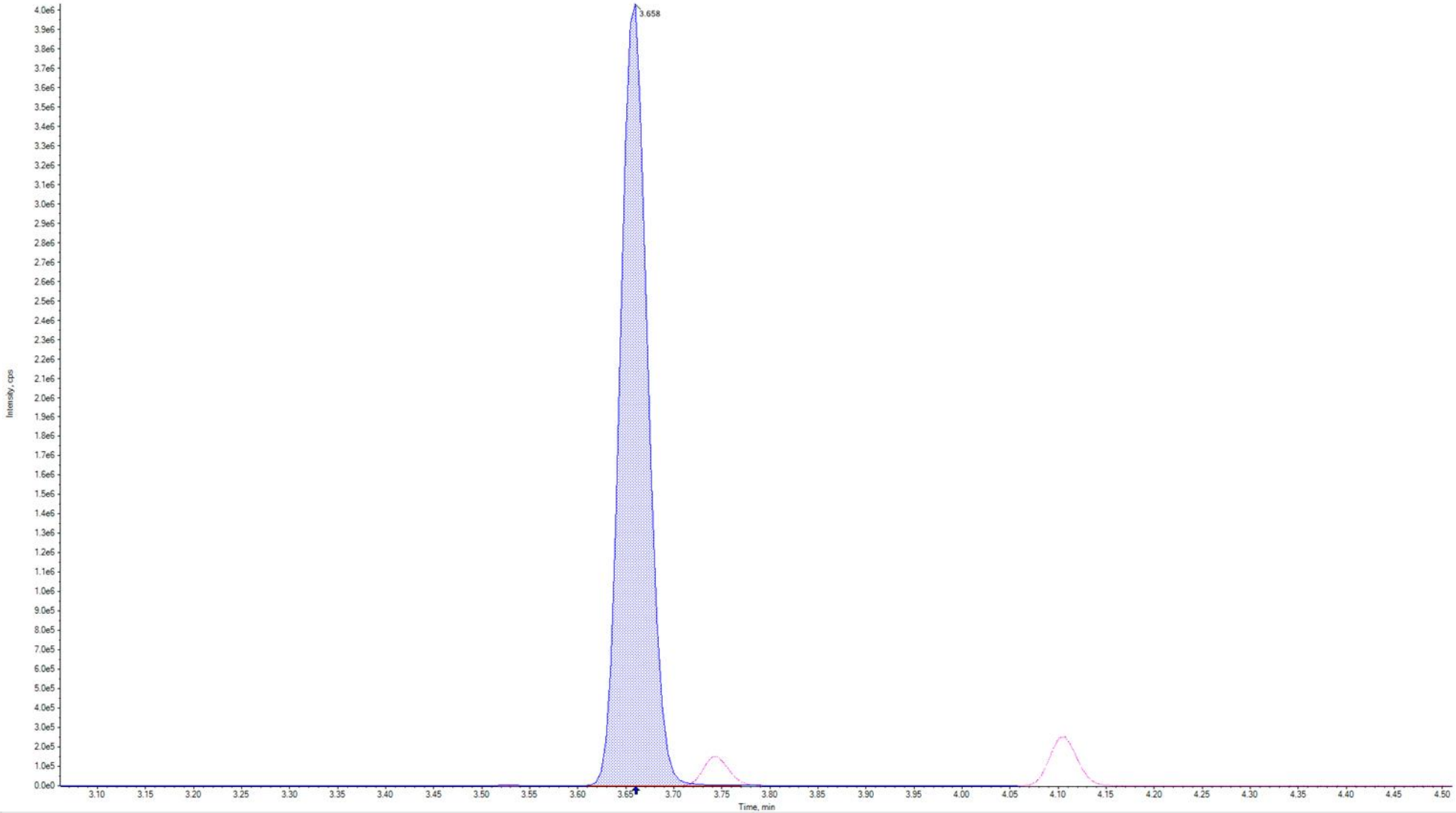
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFHxS_2
Sample: IA1633STD-50 S/N:1215.0 Points Across peak:96



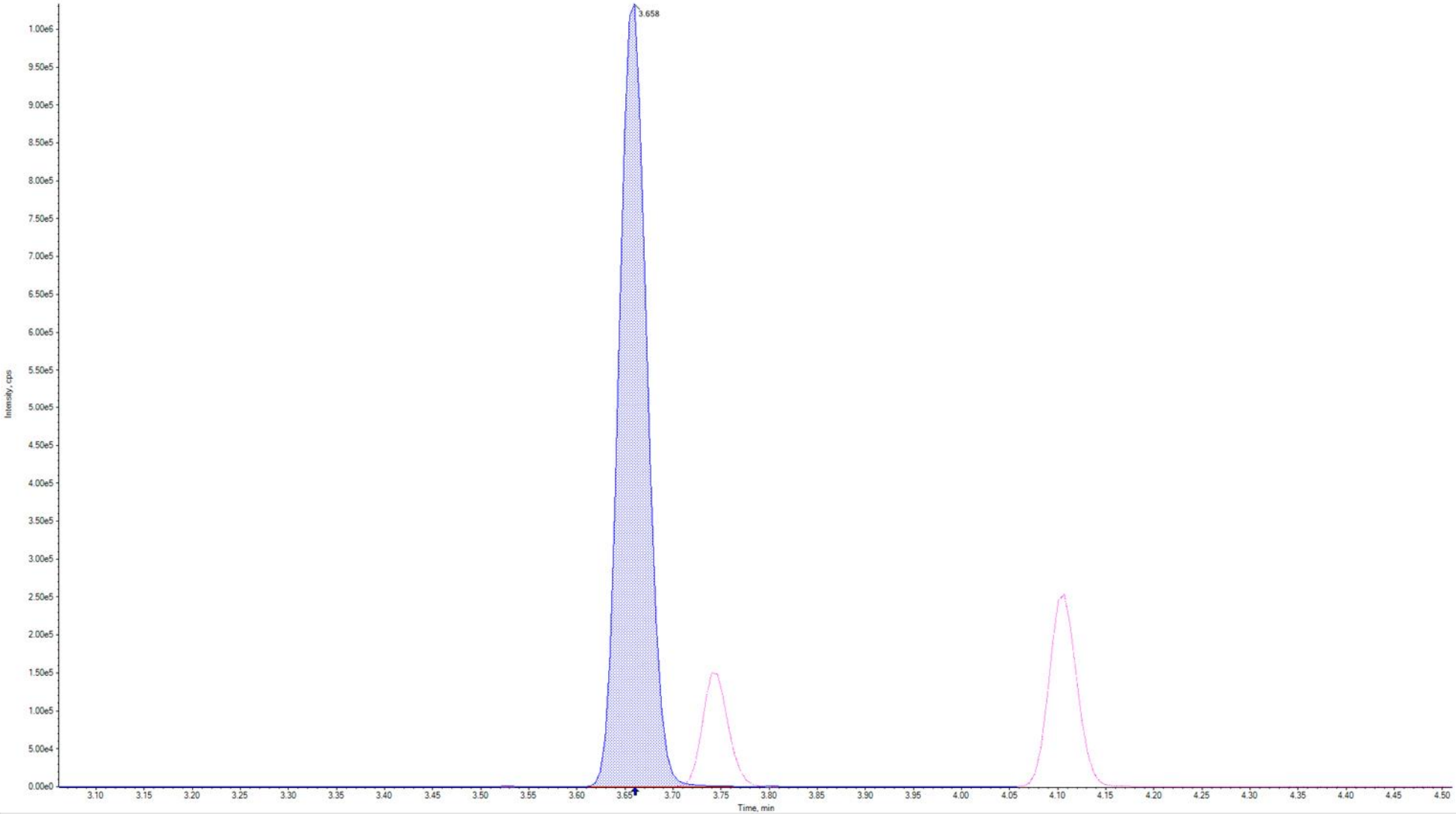
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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PFHpS
Sample: IA1633STD-50 S/N:8392.4 Points Across peak:35



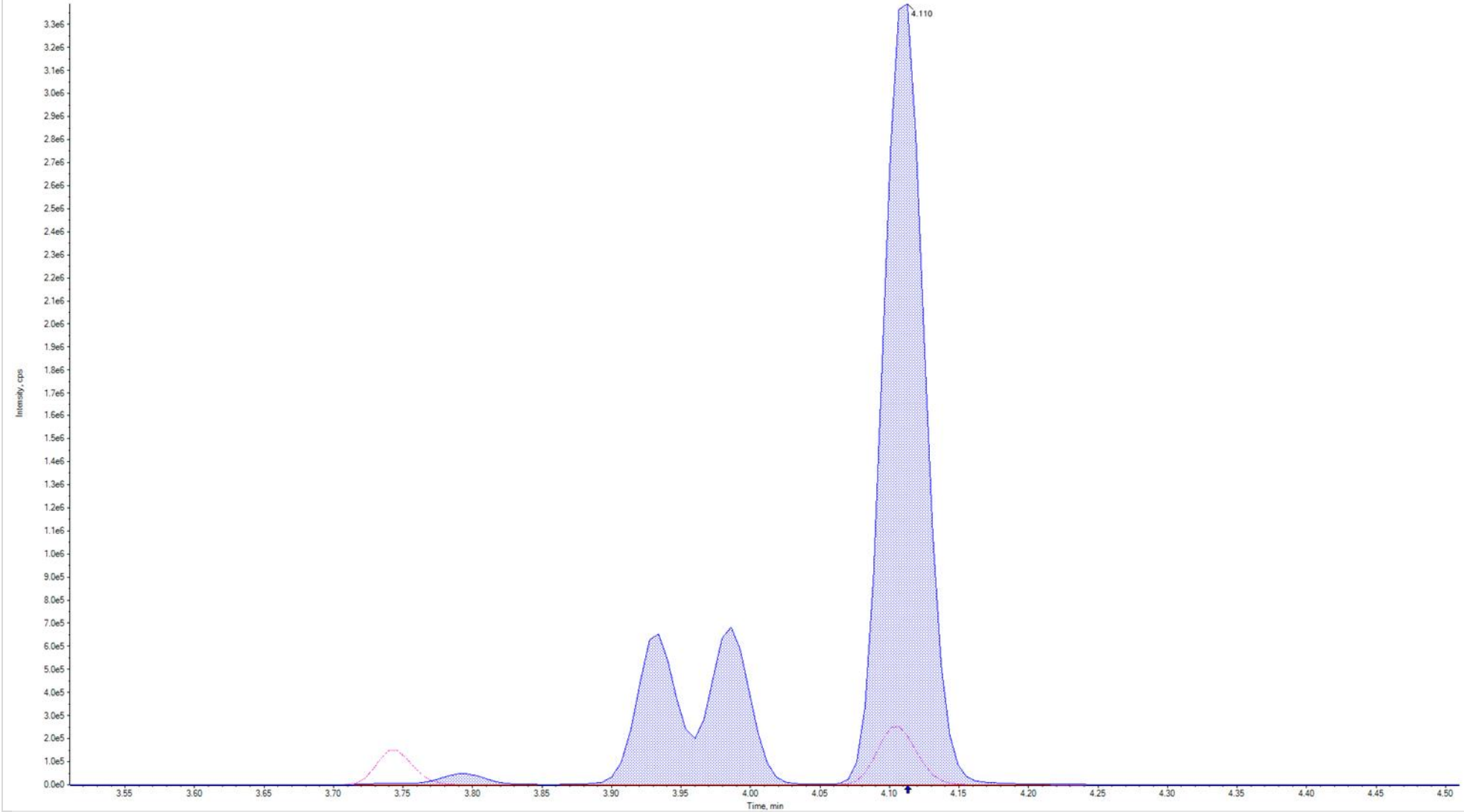
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFHpS_2
Sample: IA1633STD-50 S/N:7298.8 Points Across peak:35



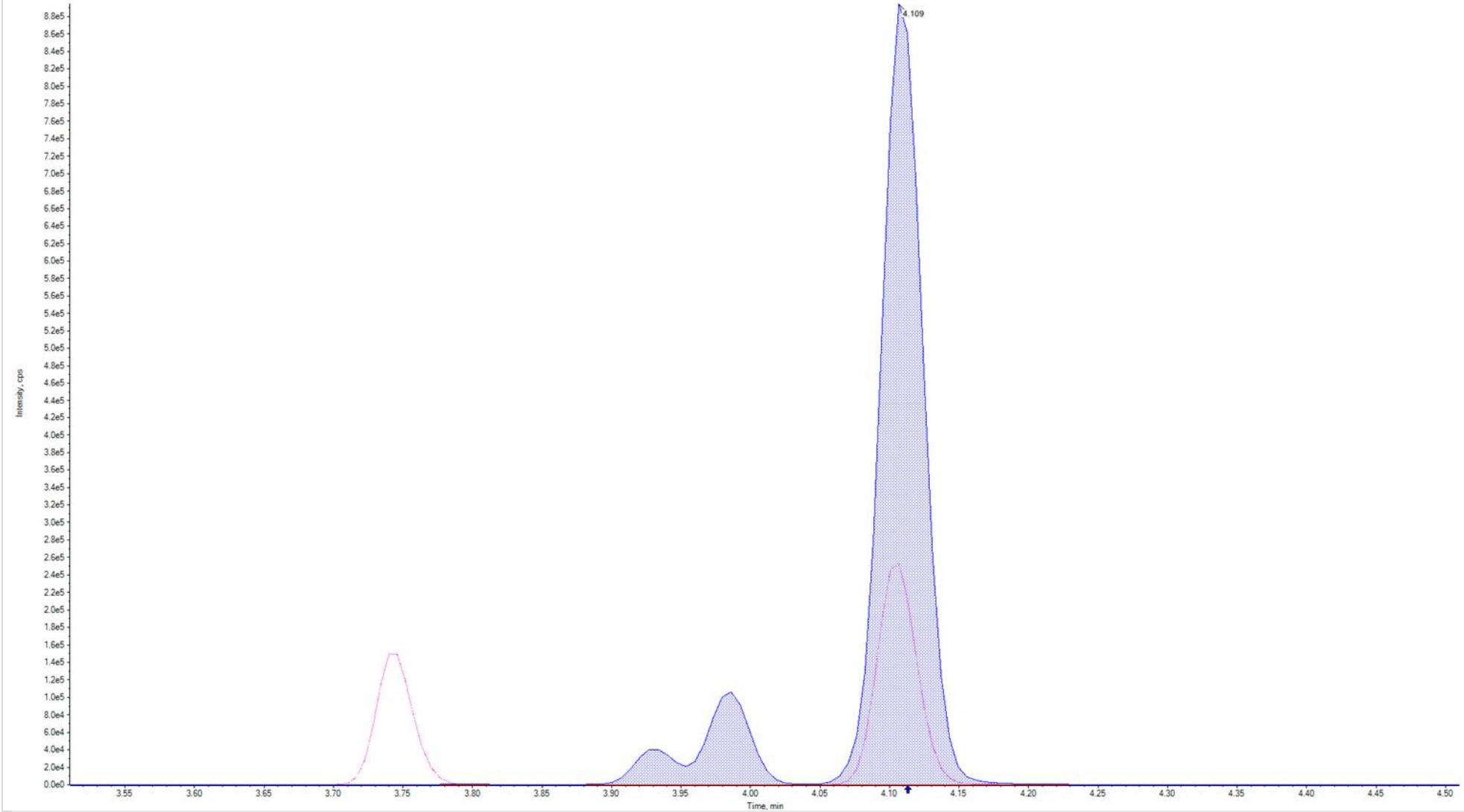
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFOS
Sample: IA1633STD-50 S/N:568.2 Points Across peak:83



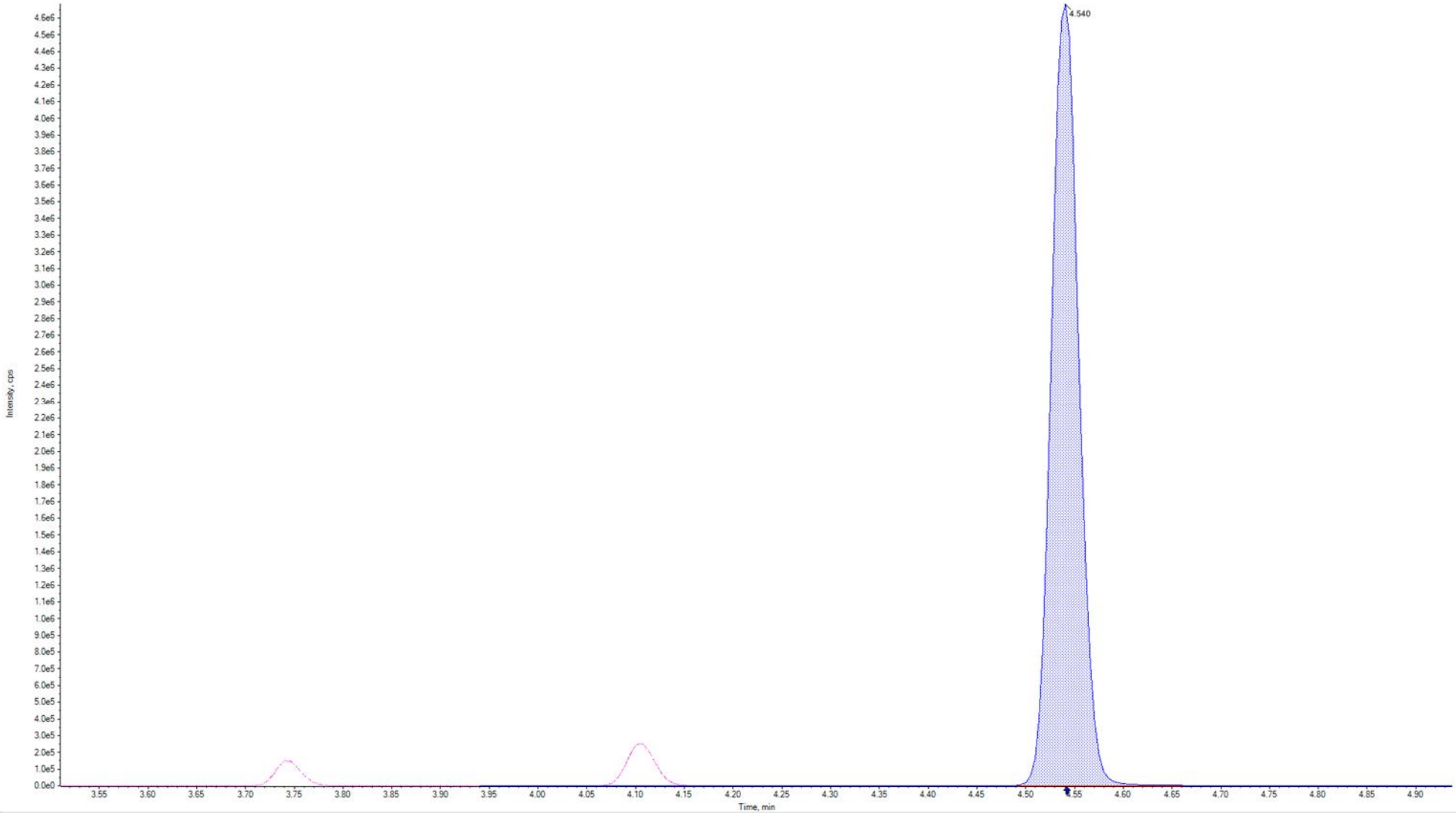
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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PFOS_2
Sample: IA1633STD-50 S/N:1005.9 Points Across peak:78



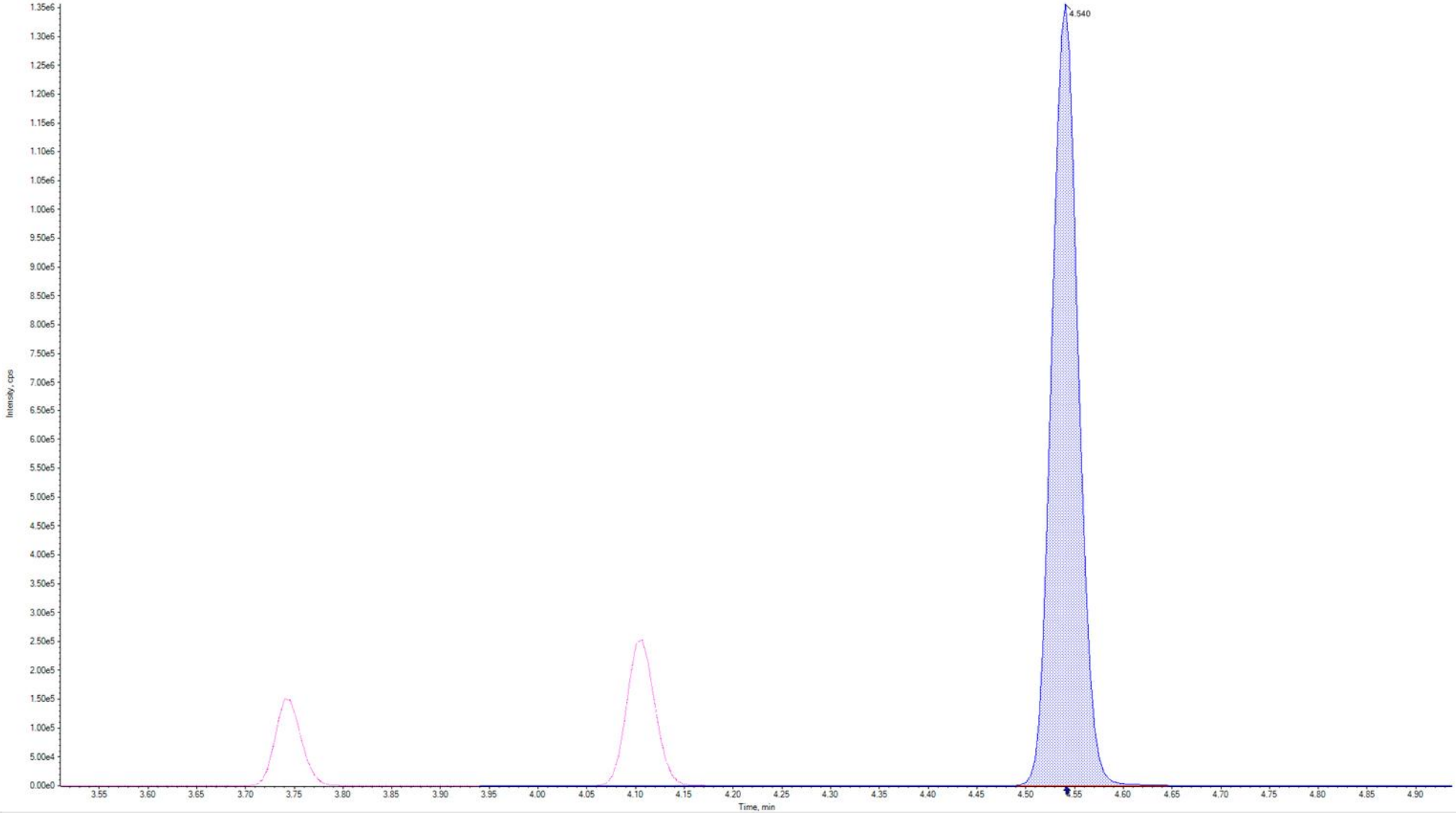
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFNS
Sample: IA1633STD-50 S/N:6913.2 Points Across peak:44



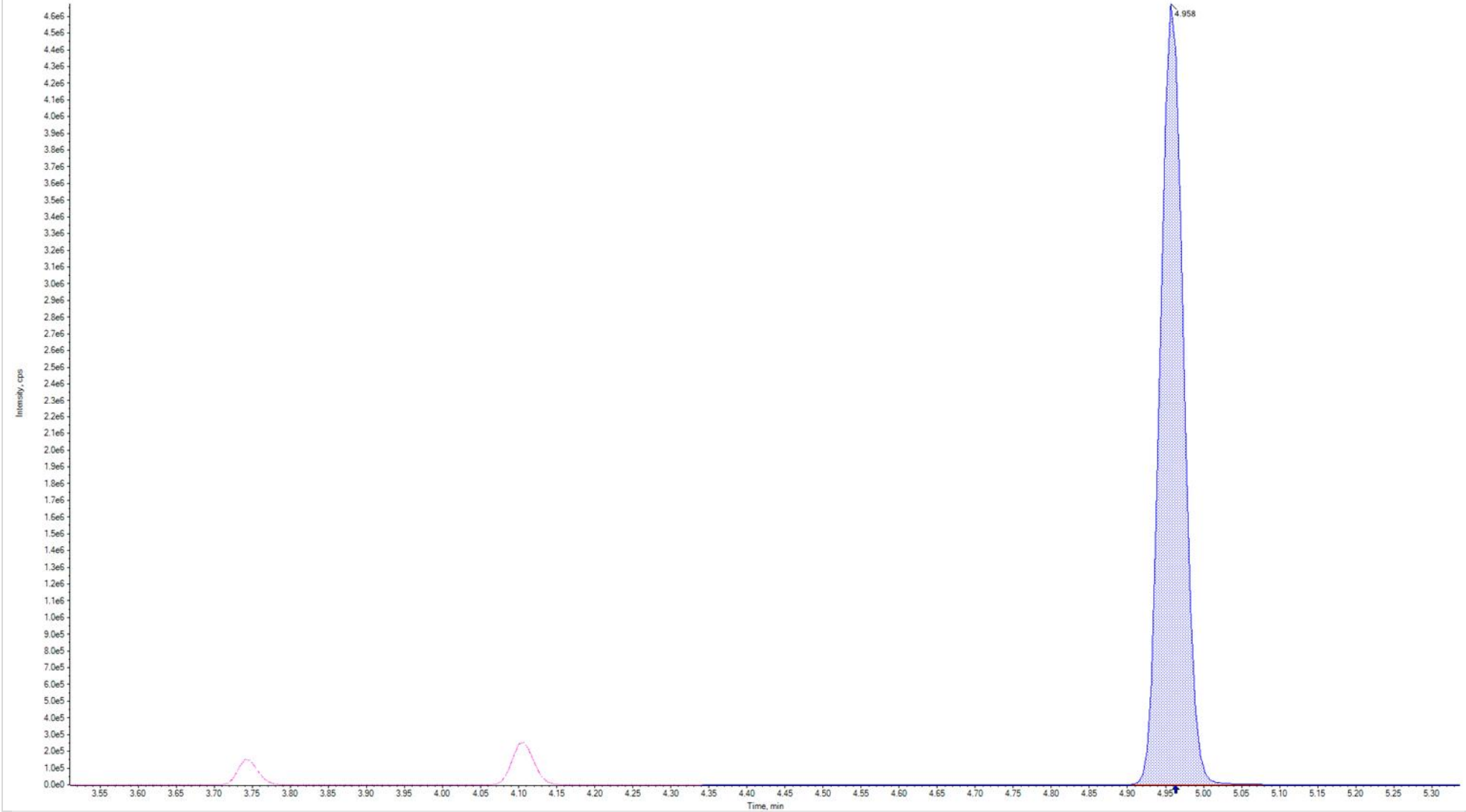
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Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

PFNS_2
Sample: IA1633STD-50 S/N:7466.1 Points Across peak:44



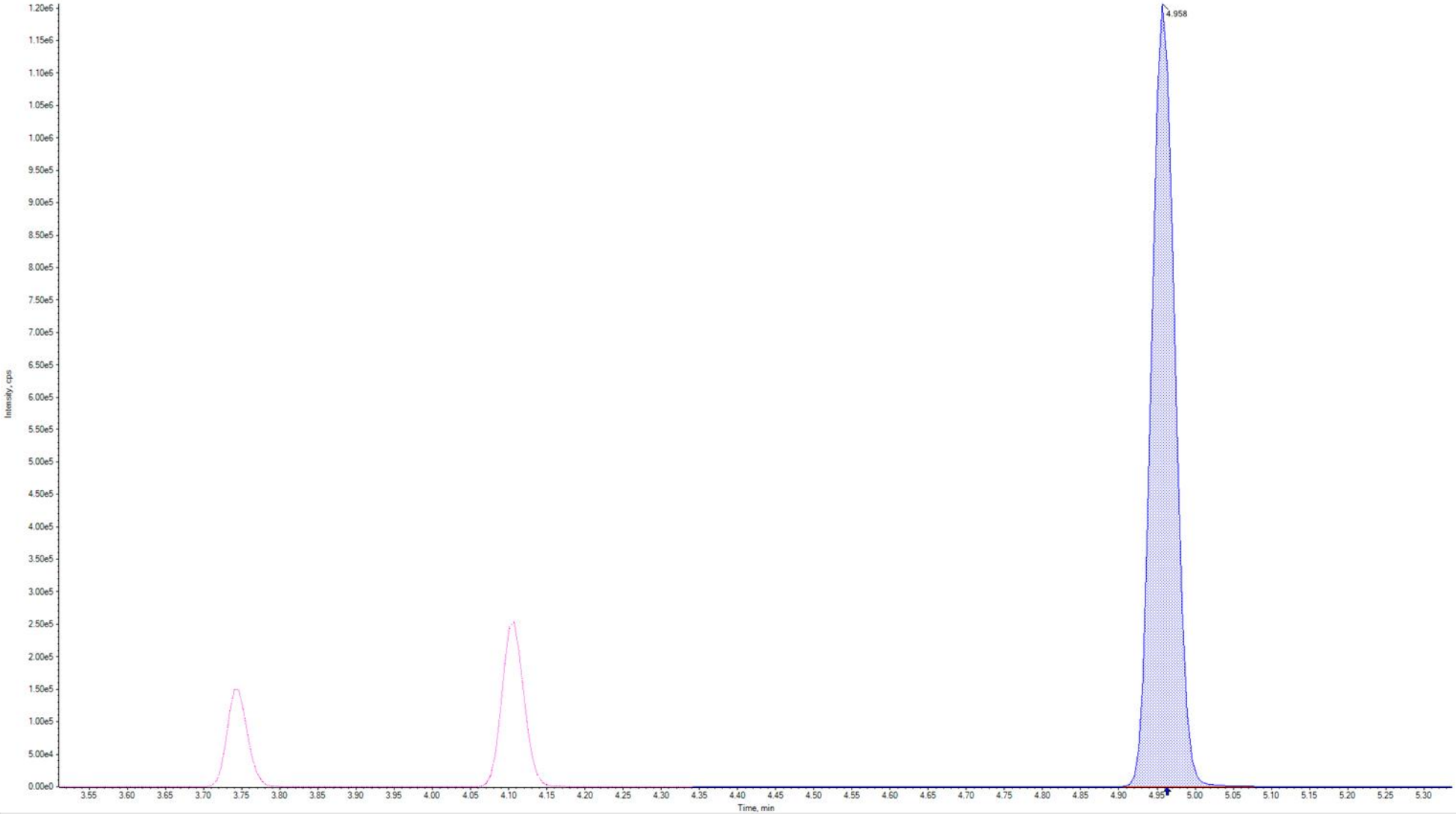
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFDS
Sample: IA1633STD-50 S/N:164036.2 Points Across peak:43



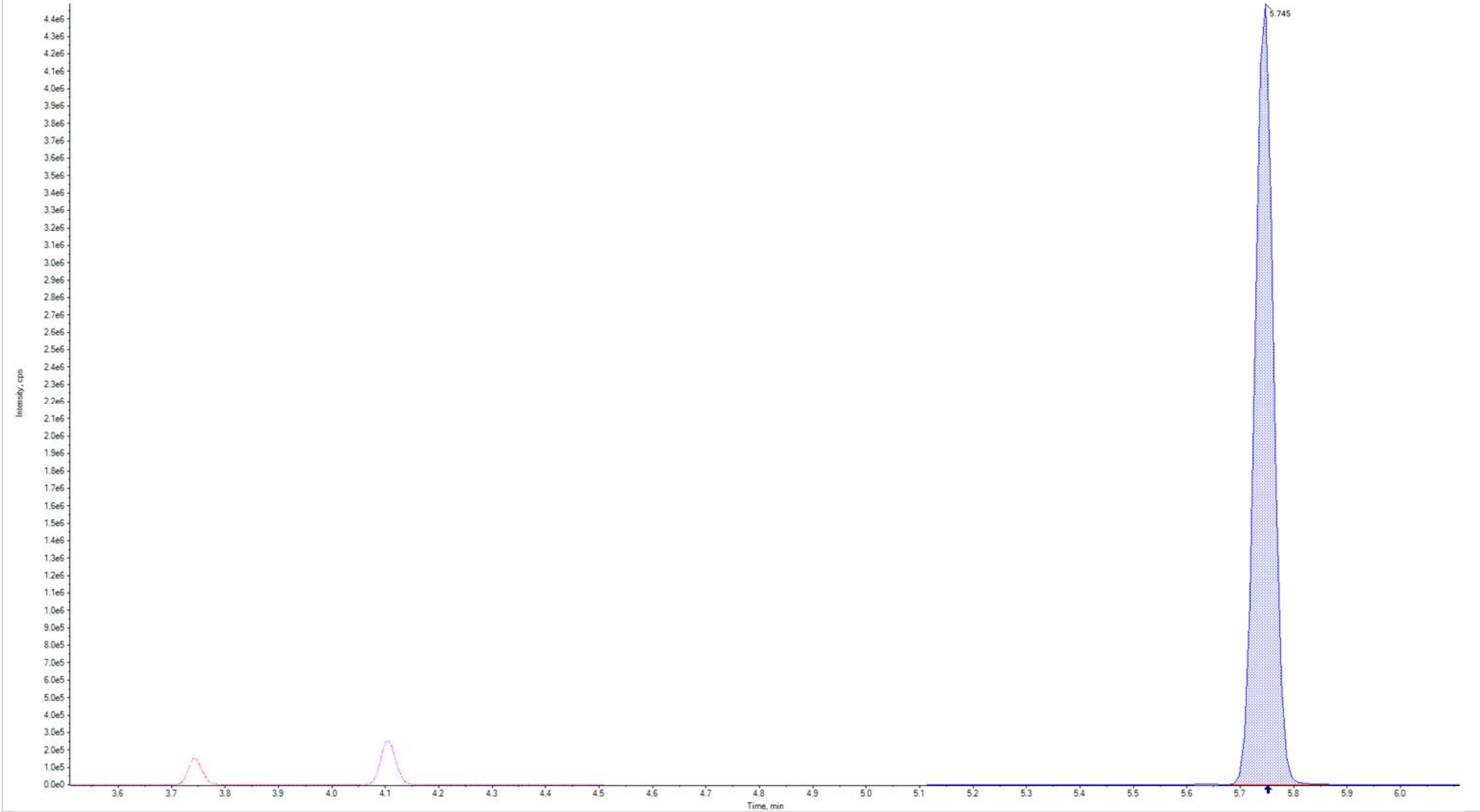
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_18.wiff2_8
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PFDS_2
Sample: IA1633STD-50 S/N:11625.7 Points Across peak:37



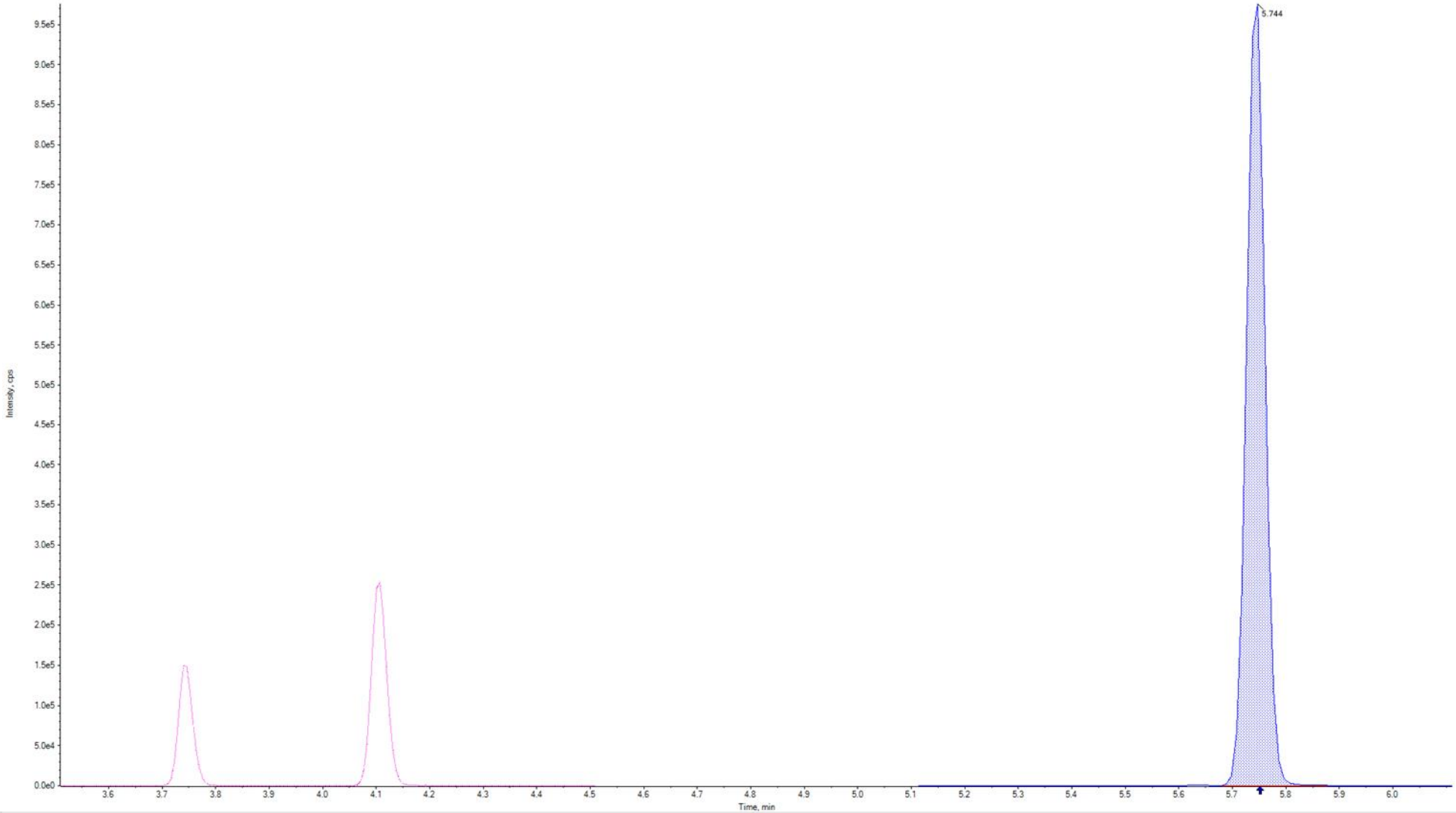
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFDoS
Sample: IA1633STD-50 S/N:24372.6 Points Across peak:31



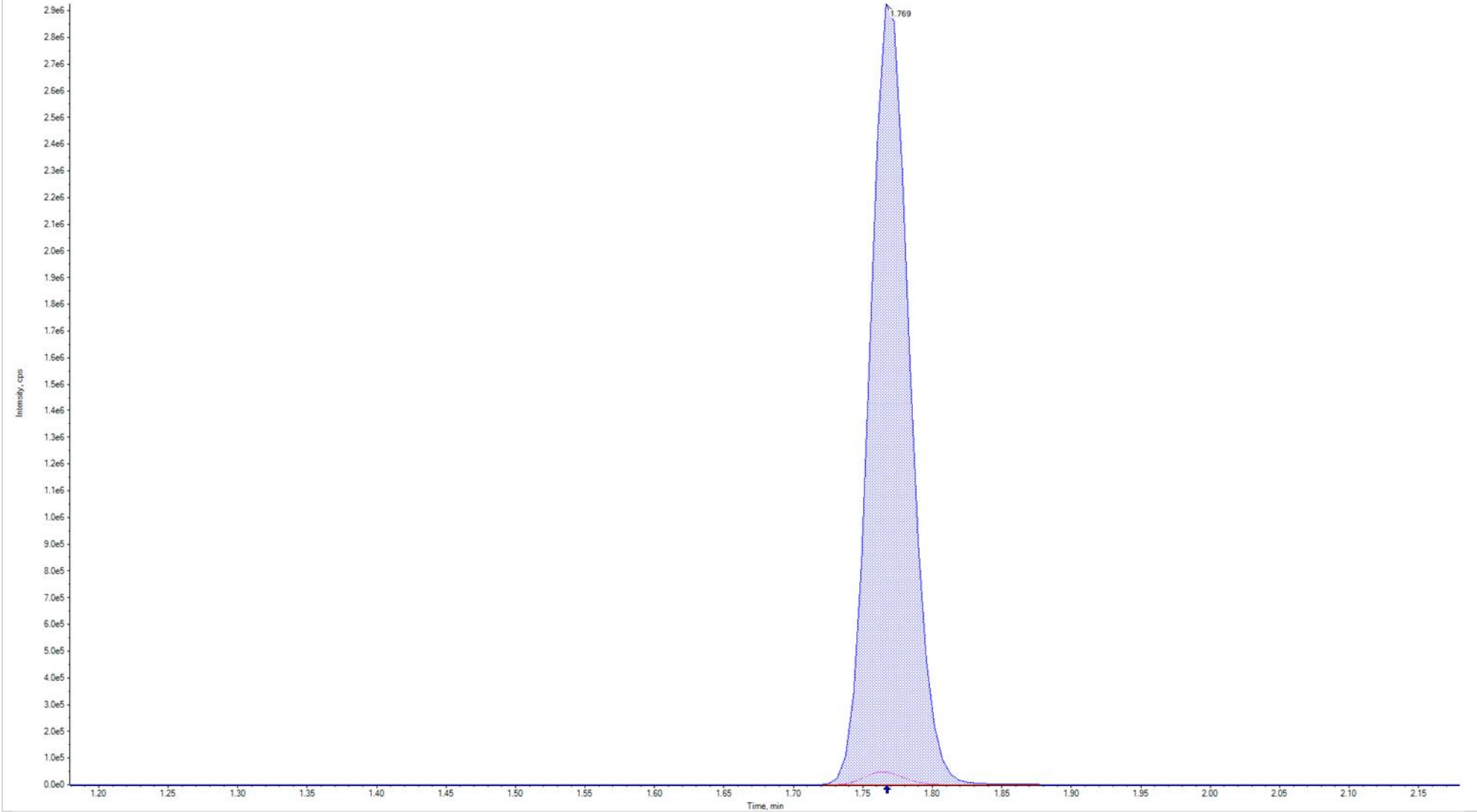
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFDoS_2
Sample: IA1633STD-50 S/N:3842.9 Points Across peak:25

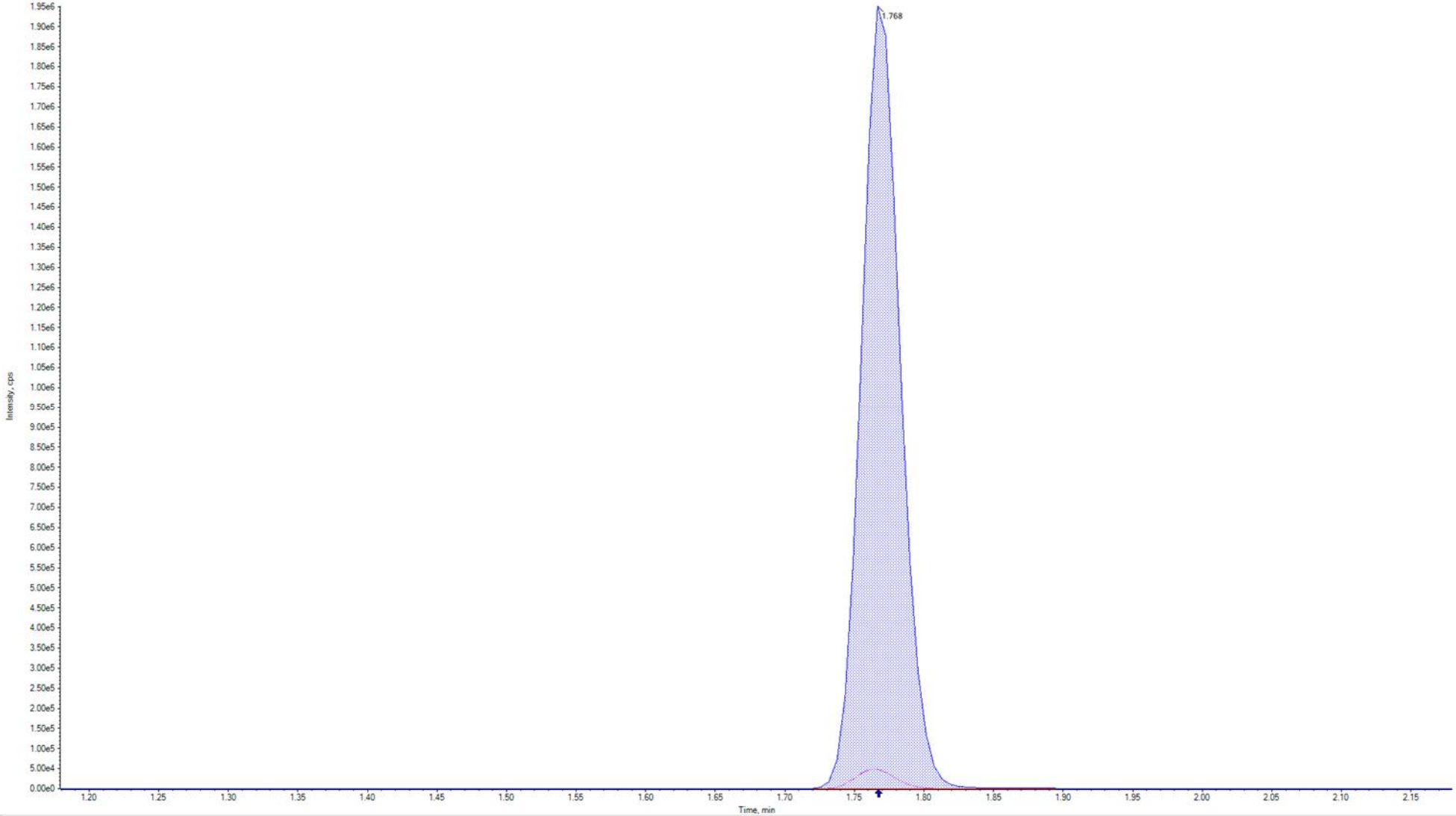


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_18.wiff2_8
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

4:2FTS
Sample: IA1633STD-50 S/N:17363.1 Points Across peak:40

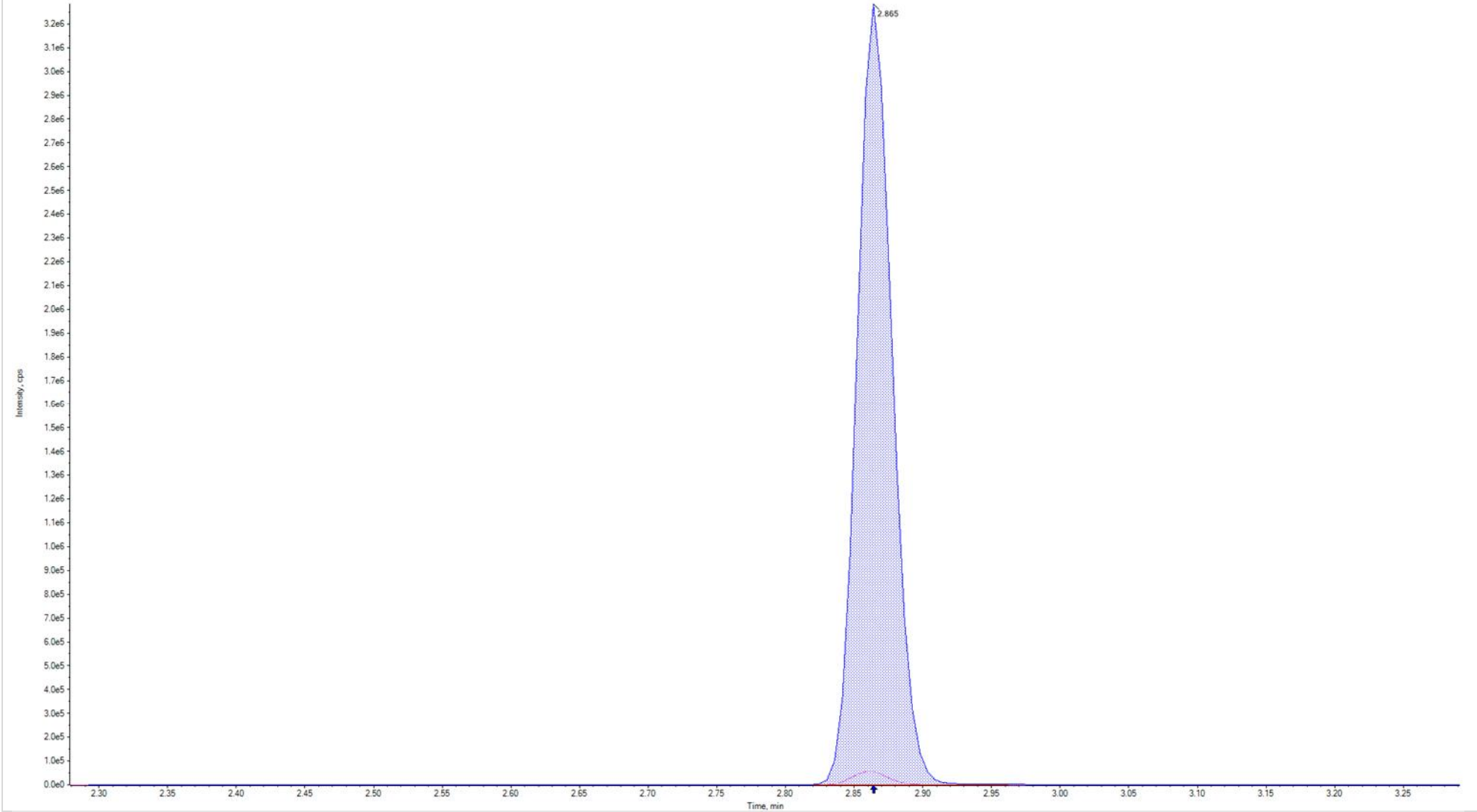


4:2FTS_2
Sample: IA1633STD-50 S/N:13974.9 Points Across peak:39



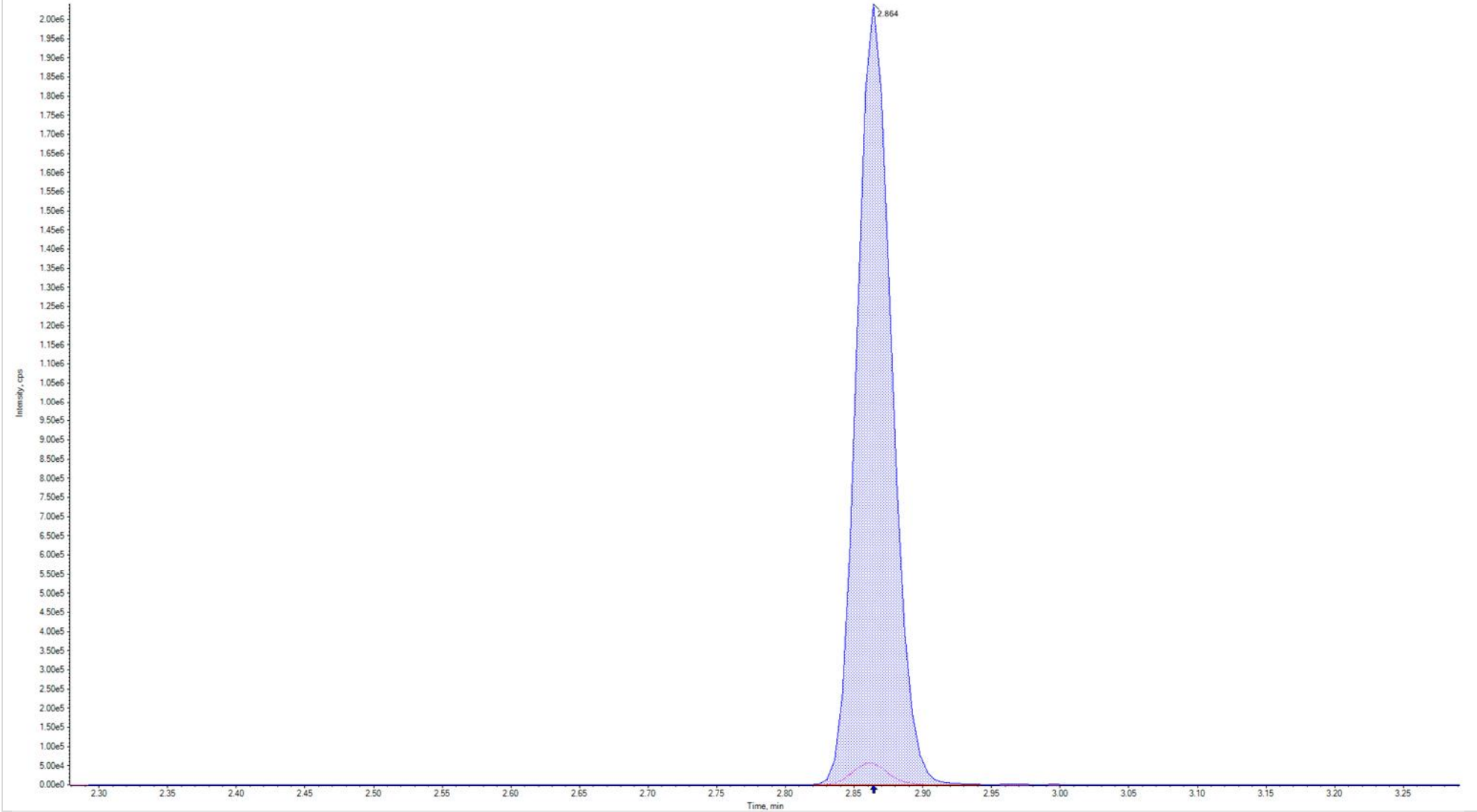
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_18.wiff2_8
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

6:2FTS
Sample: IA1633STD-50 S/N:10075.7 Points Across peak:31



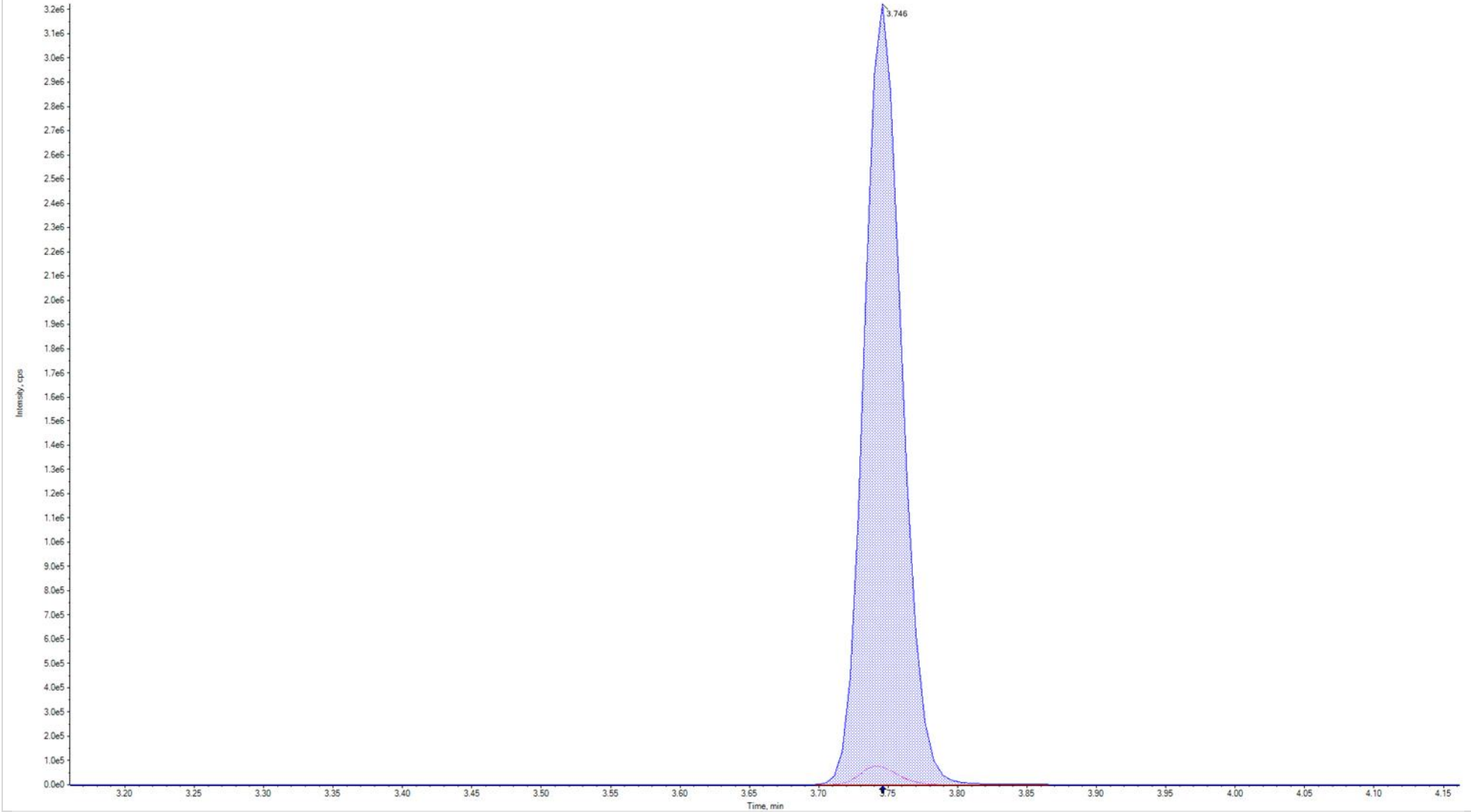
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_18.wiff2_8
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

6:2FTS_2
Sample: IA1633STD-50 S/N:10021.3 Points Across peak:27

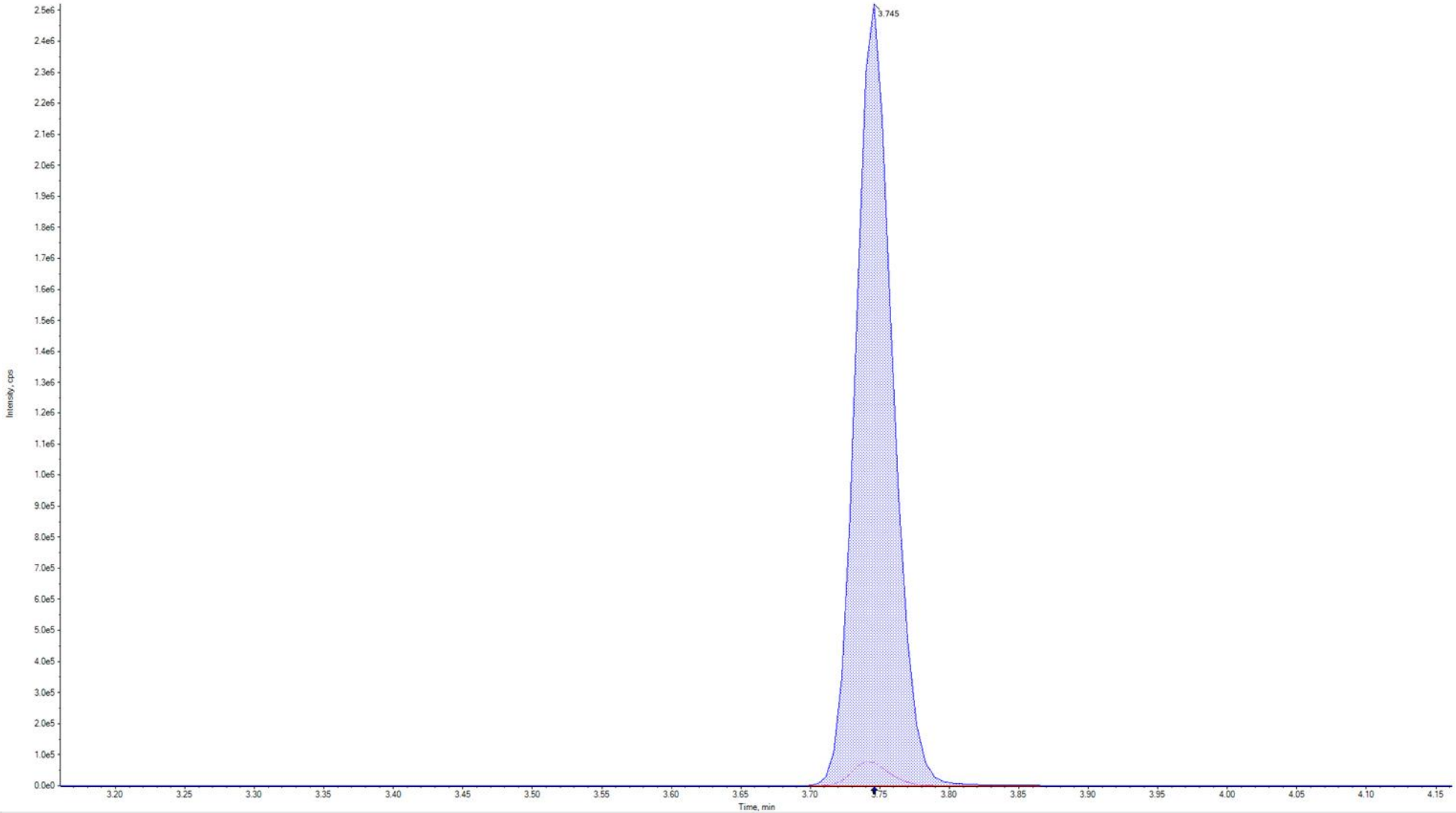


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

8:2FTS
Sample: IA1633STD-50 S/N:8949.2 Points Across peak:35

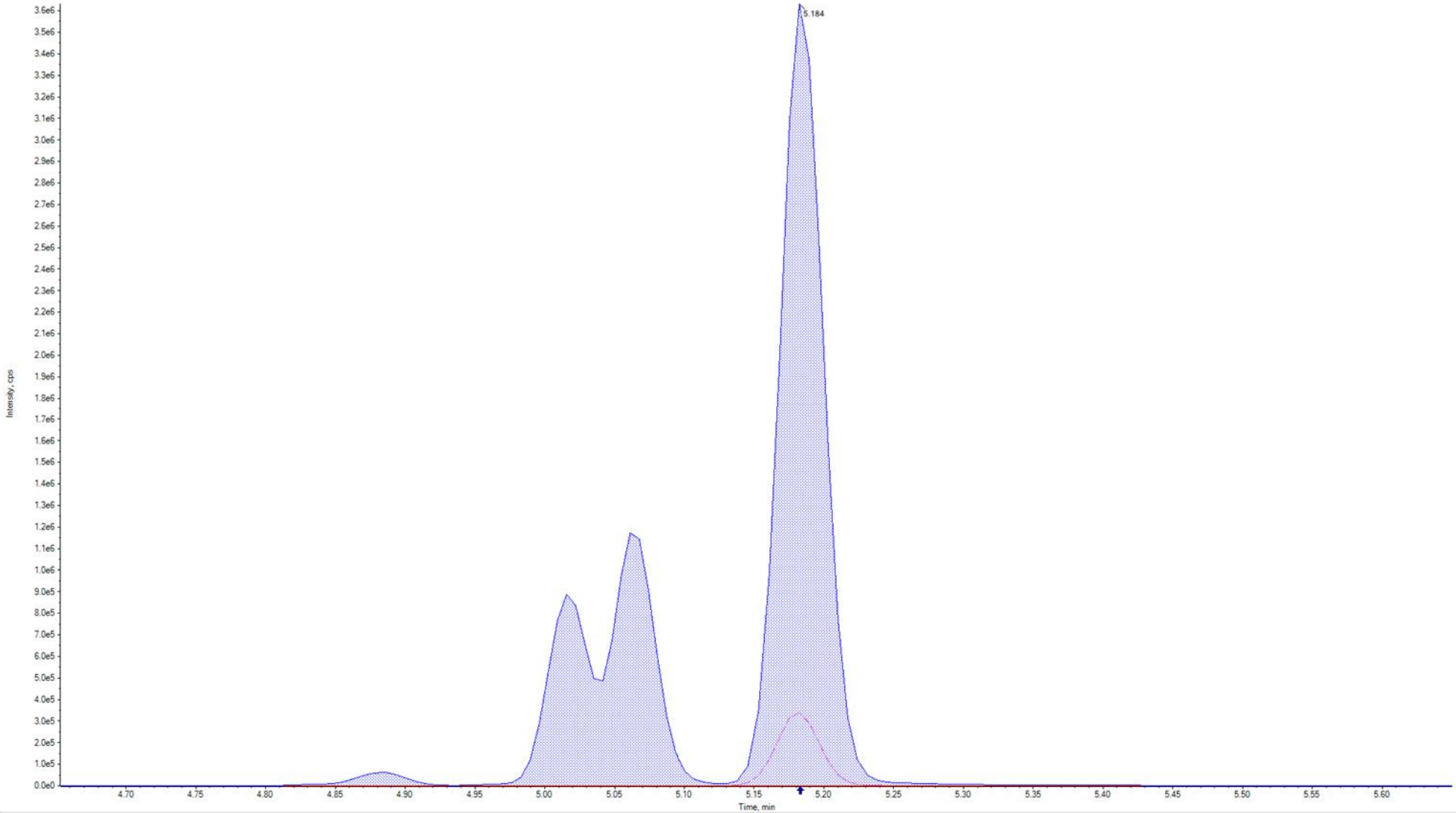


8:2FTS_2
Sample: IA1633STD-50 S/N:7819.8 Points Across peak:33



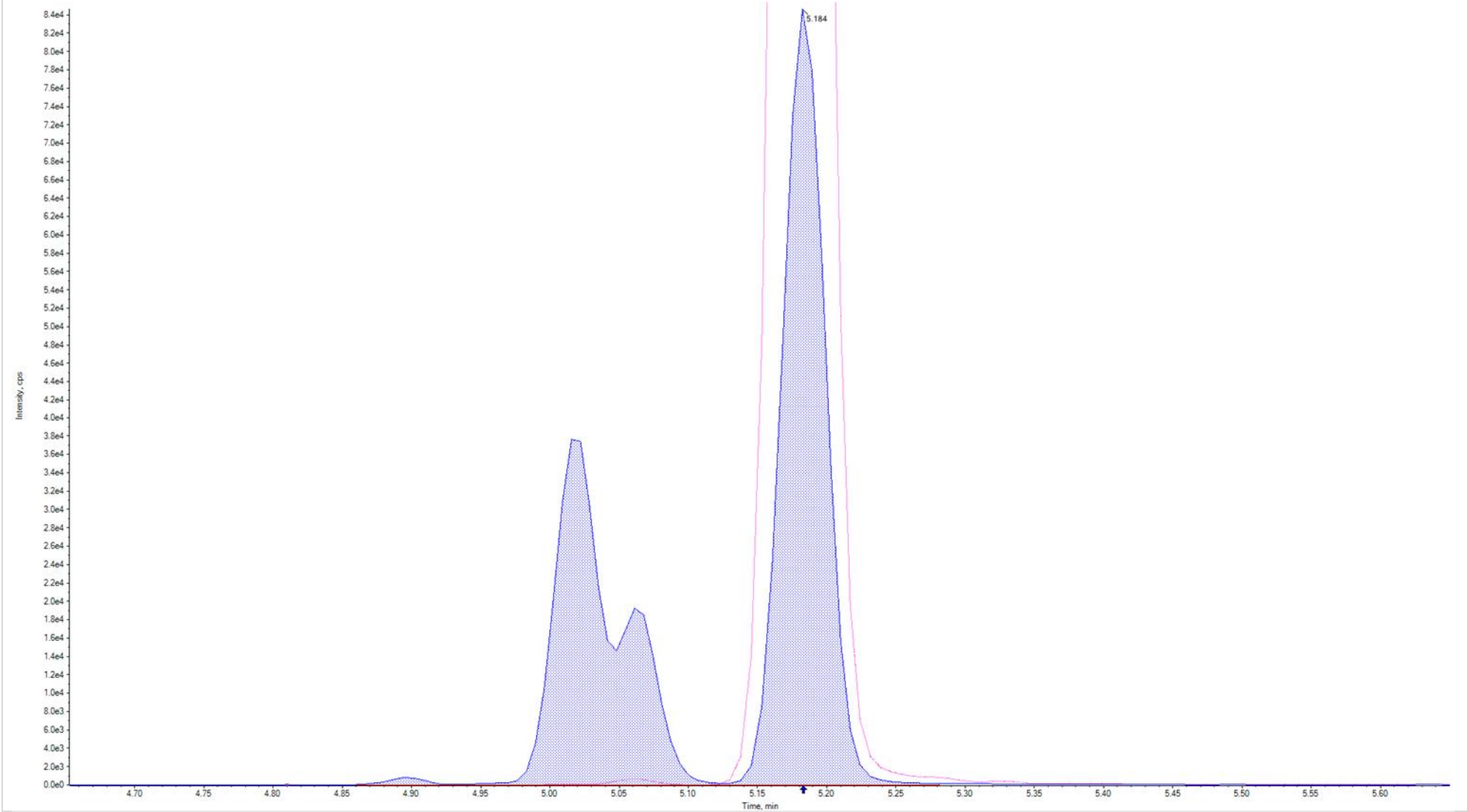
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_18.wiff2_8
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFOSA
Sample: IA1633STD-50 S/N:229.6 Points Across peak:99



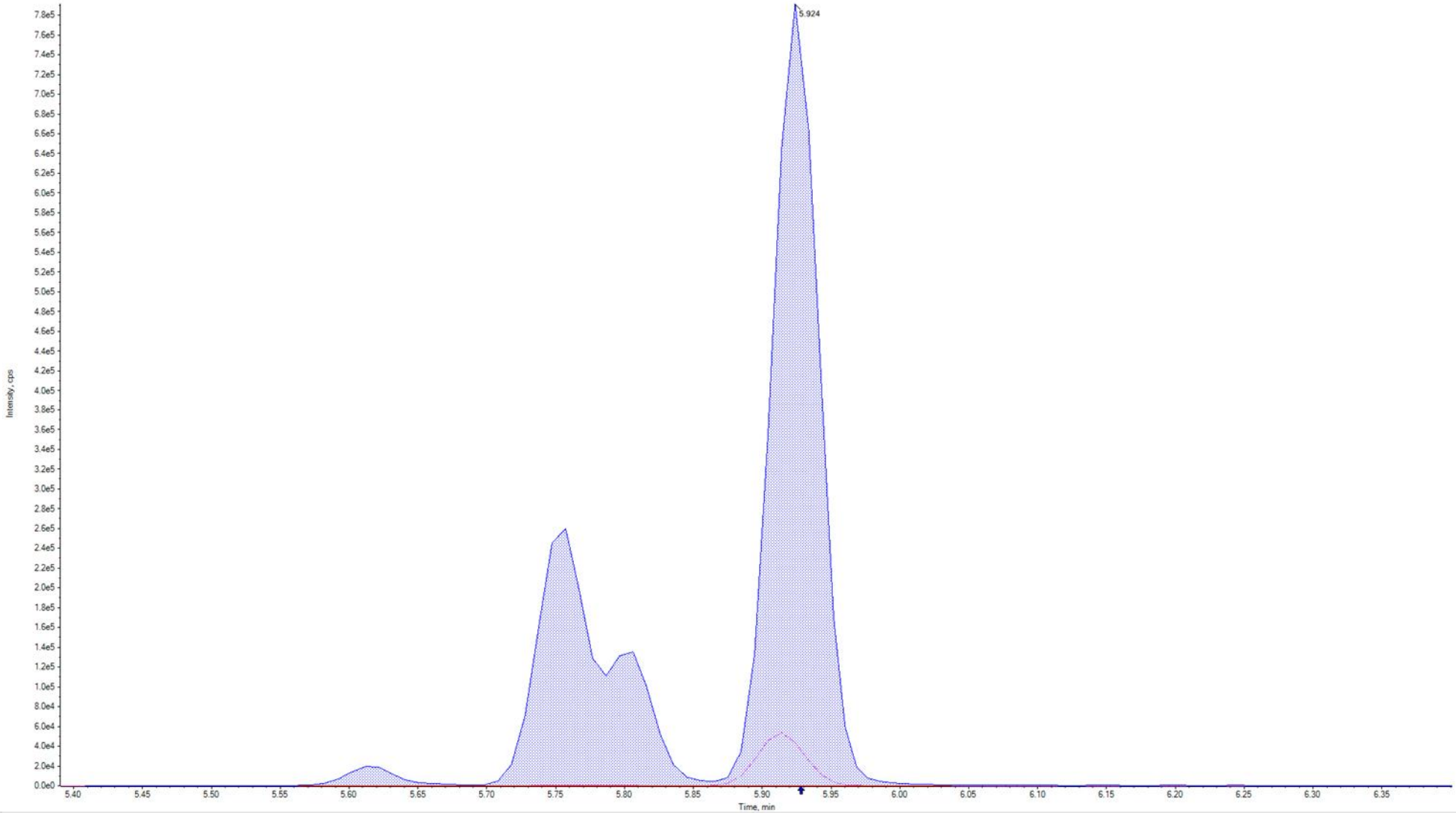
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFOSA_2
Sample: IA1633STD-50 S/N:296.6 Points Across peak:68



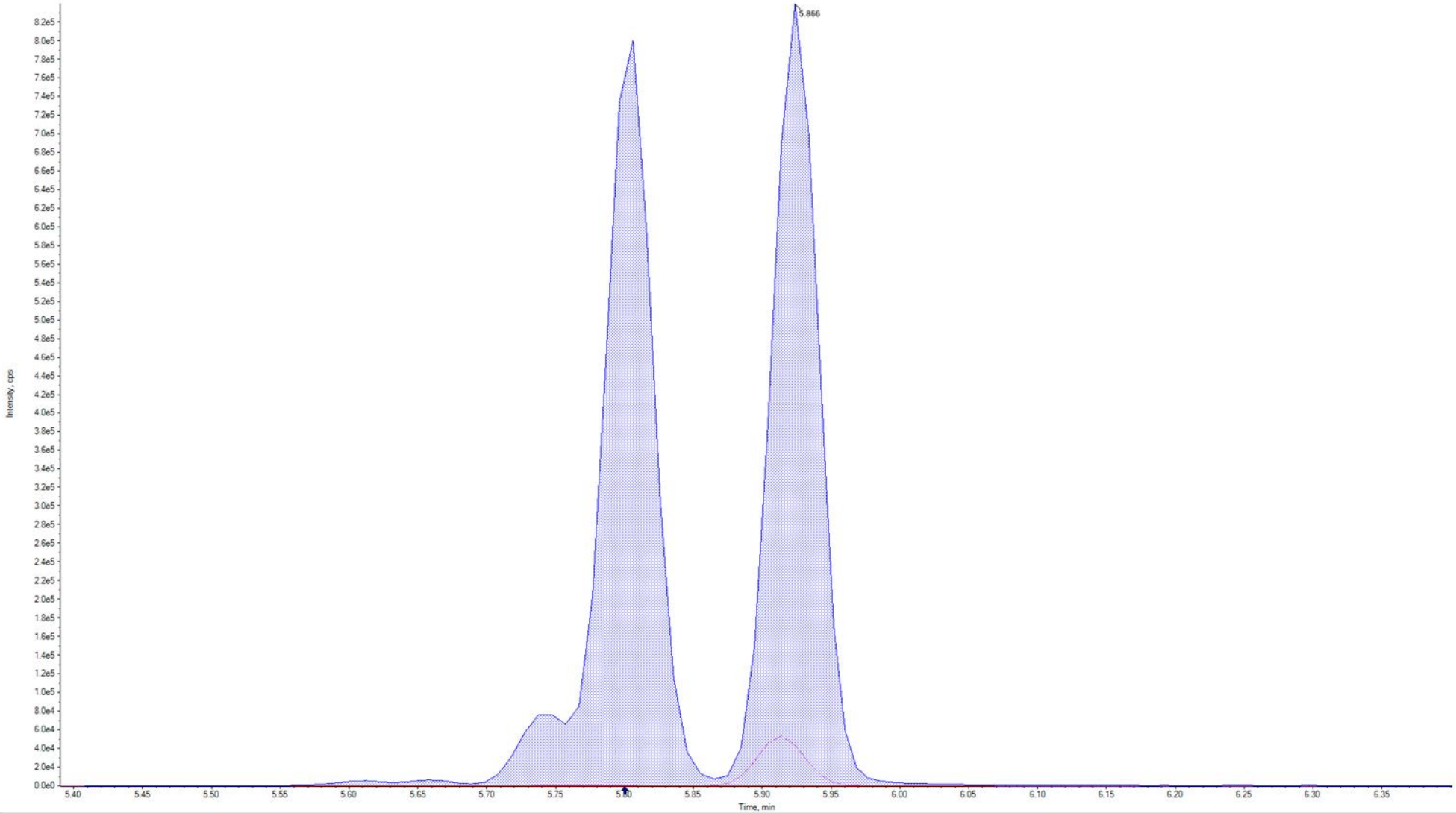
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NMeFOSA
Sample: IA1633STD-50 S/N:288.4 Points Across peak:57



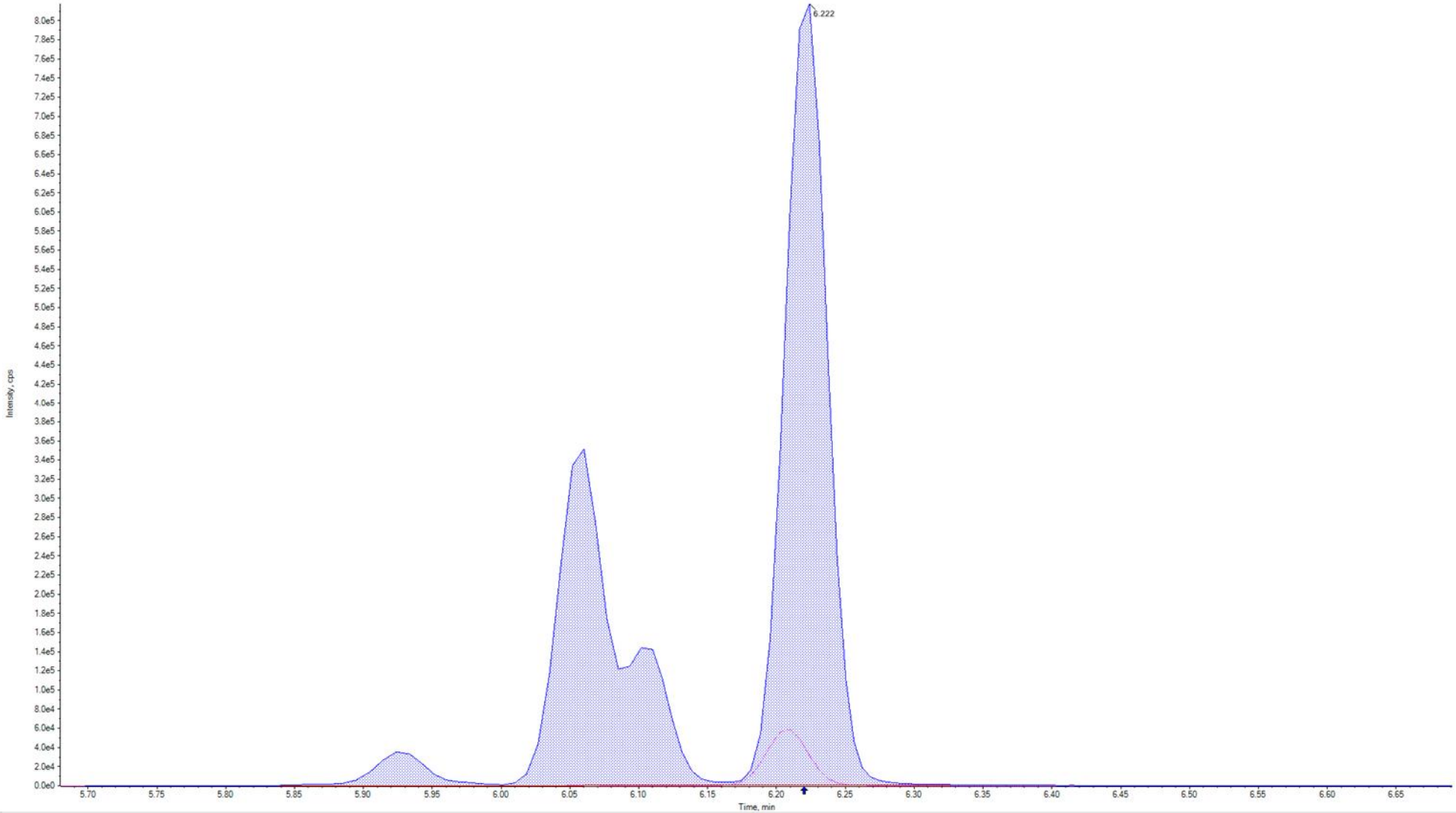
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_18.wiff2_8
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NMeFOSA_2
Sample: IA1633STD-50 S/N:253.8 Points Across peak:59



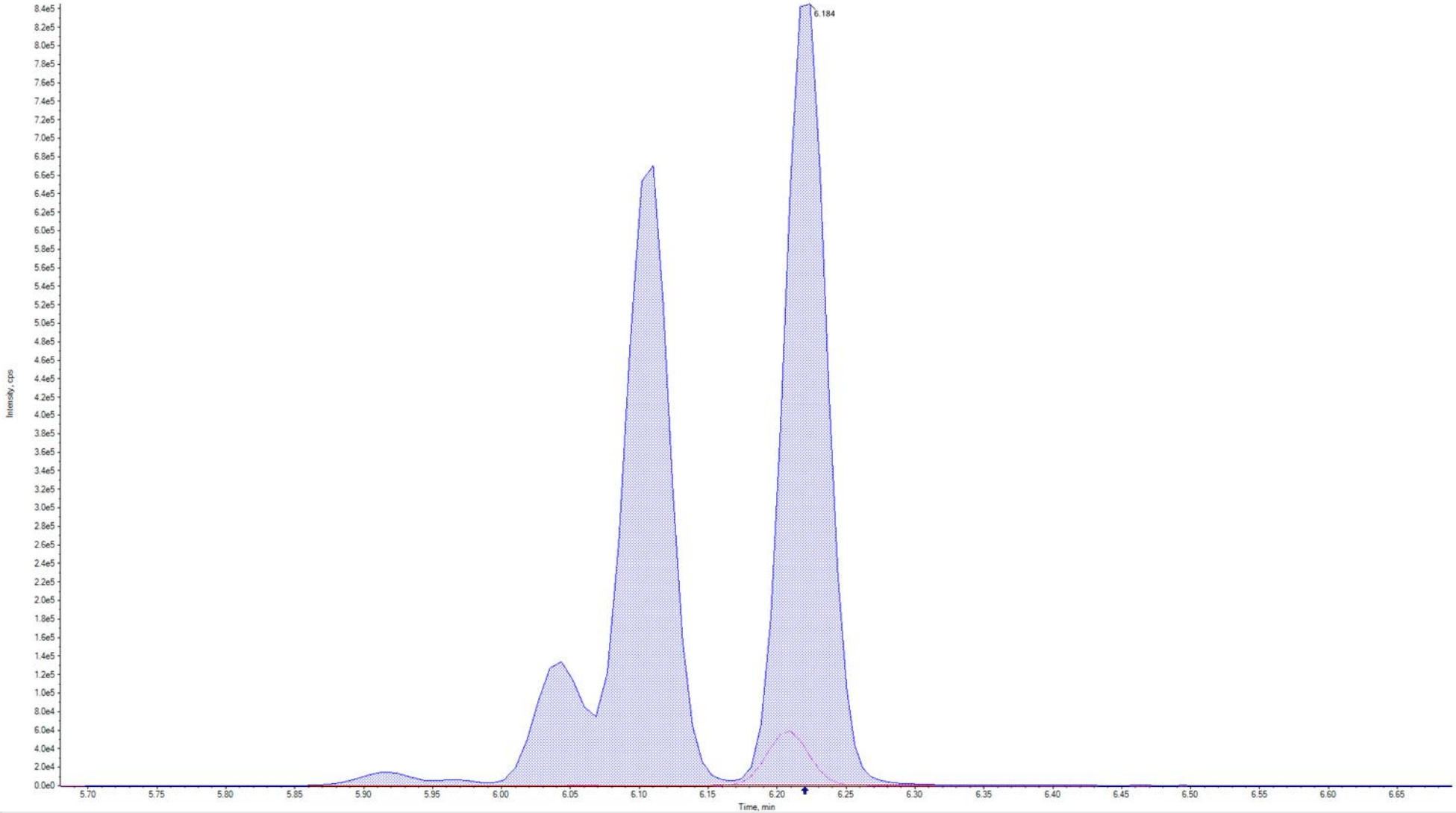
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_18.wiff2_8
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NEtFOSA
Sample: IA1633STD-50 S/N:616.4 Points Across peak:71



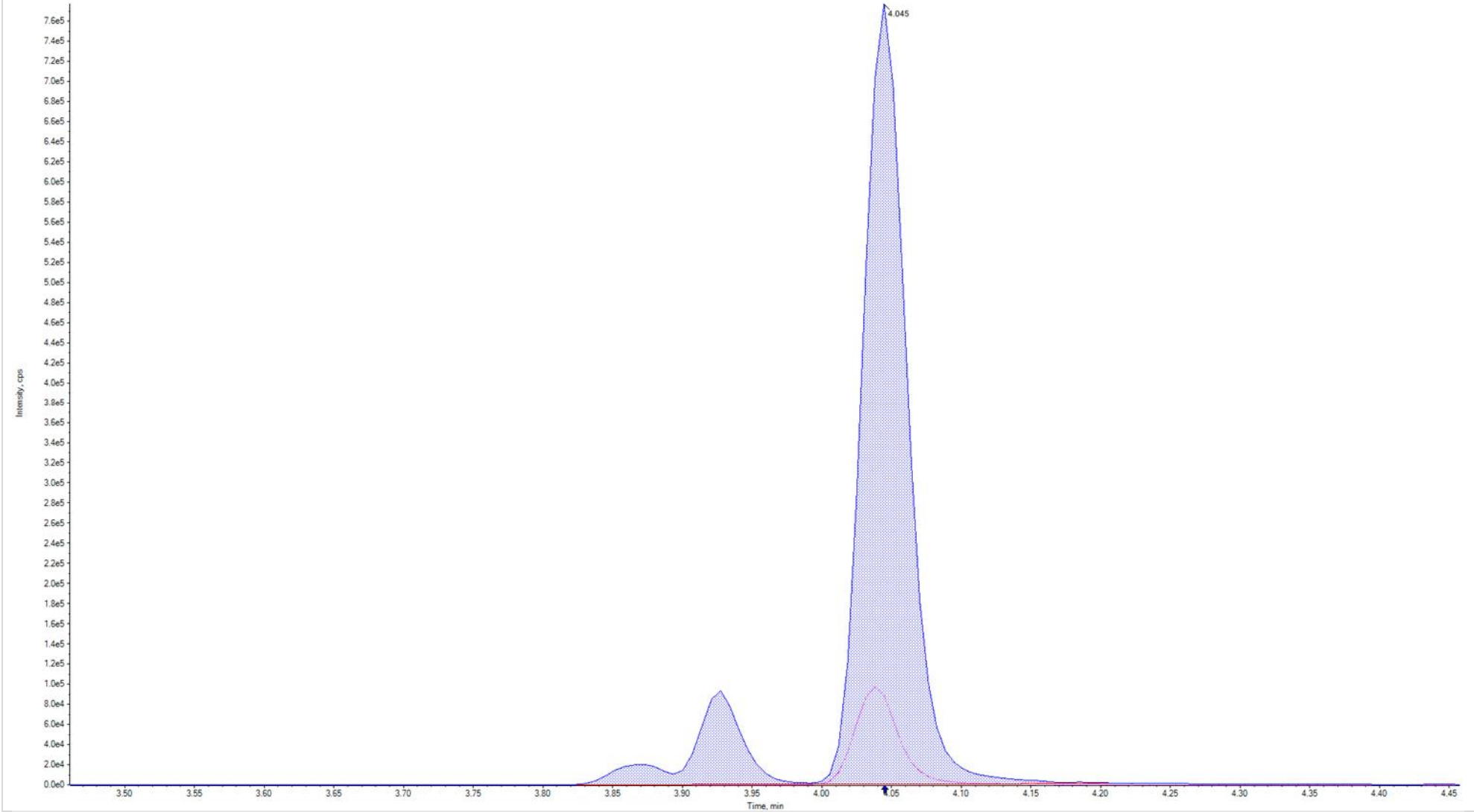
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_18.wiff2_8
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NEtFOSA_2
Sample: IA1633STD-50 S/N:579.0 Points Across peak:76



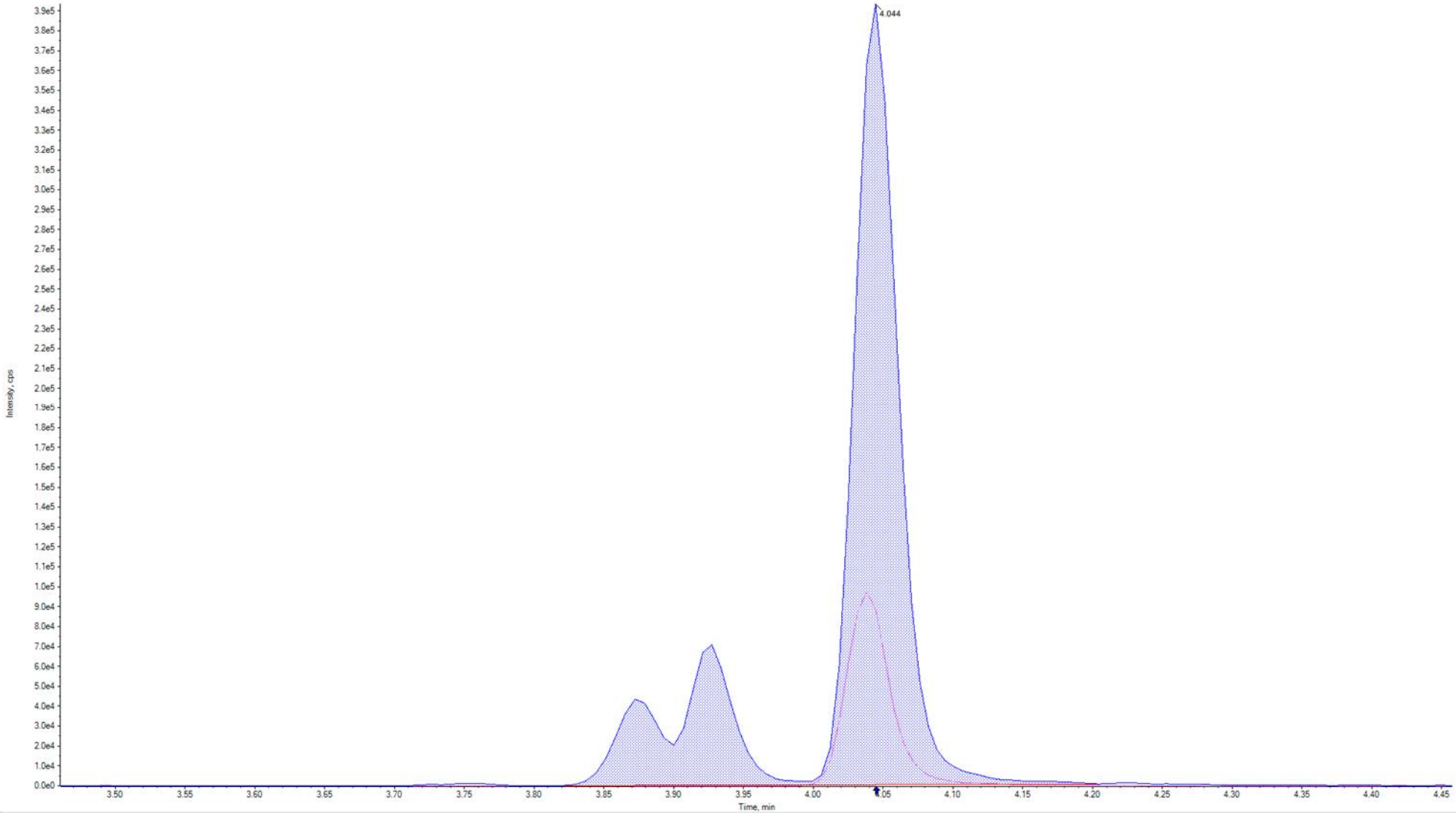
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_18.wiff2_8
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NMeFOSAA
Sample: IA1633STD-50 S/N:580.4 Points Across peak:64



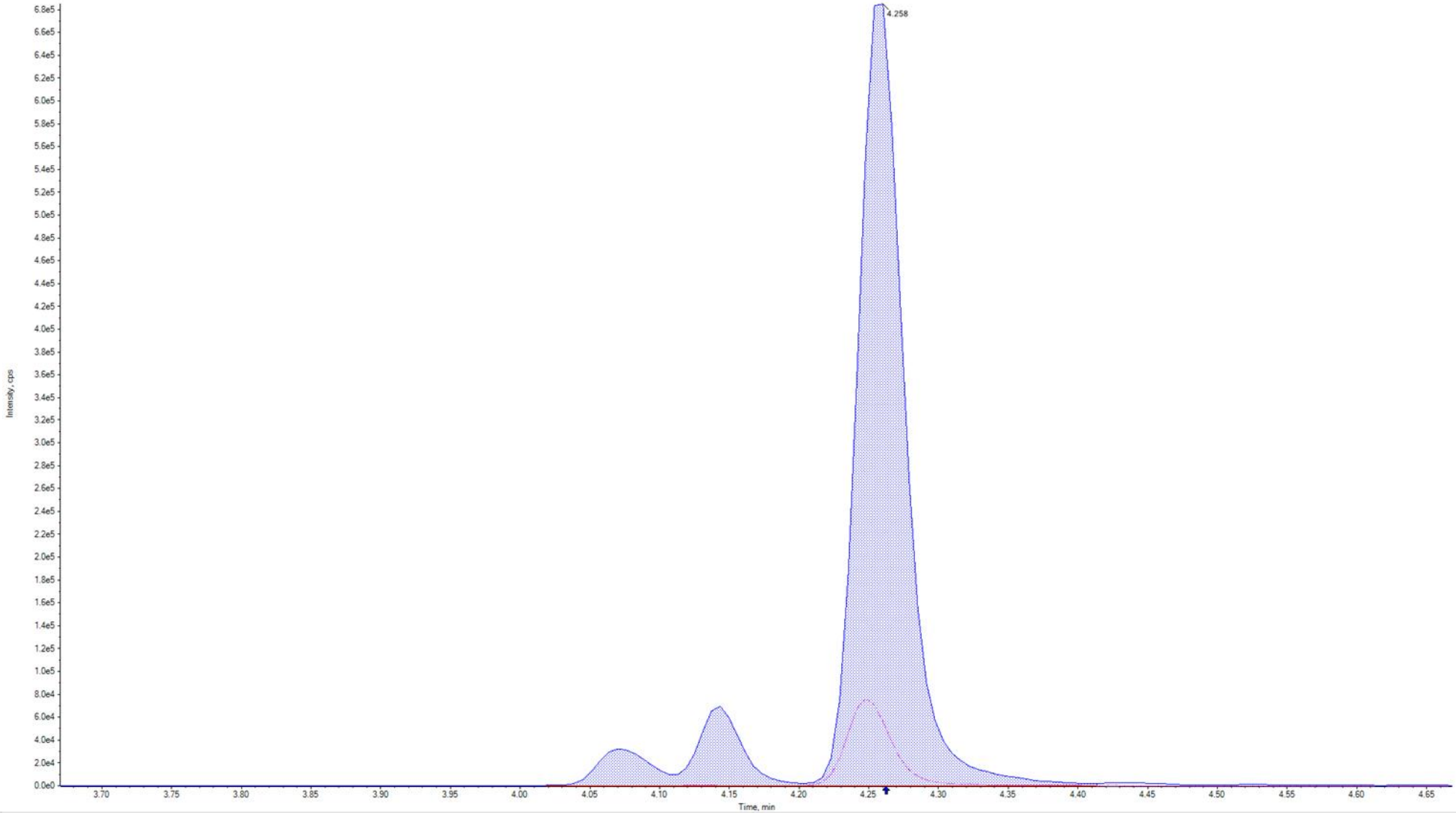
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_18.wiff2_8
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NMeFOSAA_2
Sample: IA1633STD-50 S/N:395.1 Points Across peak:61



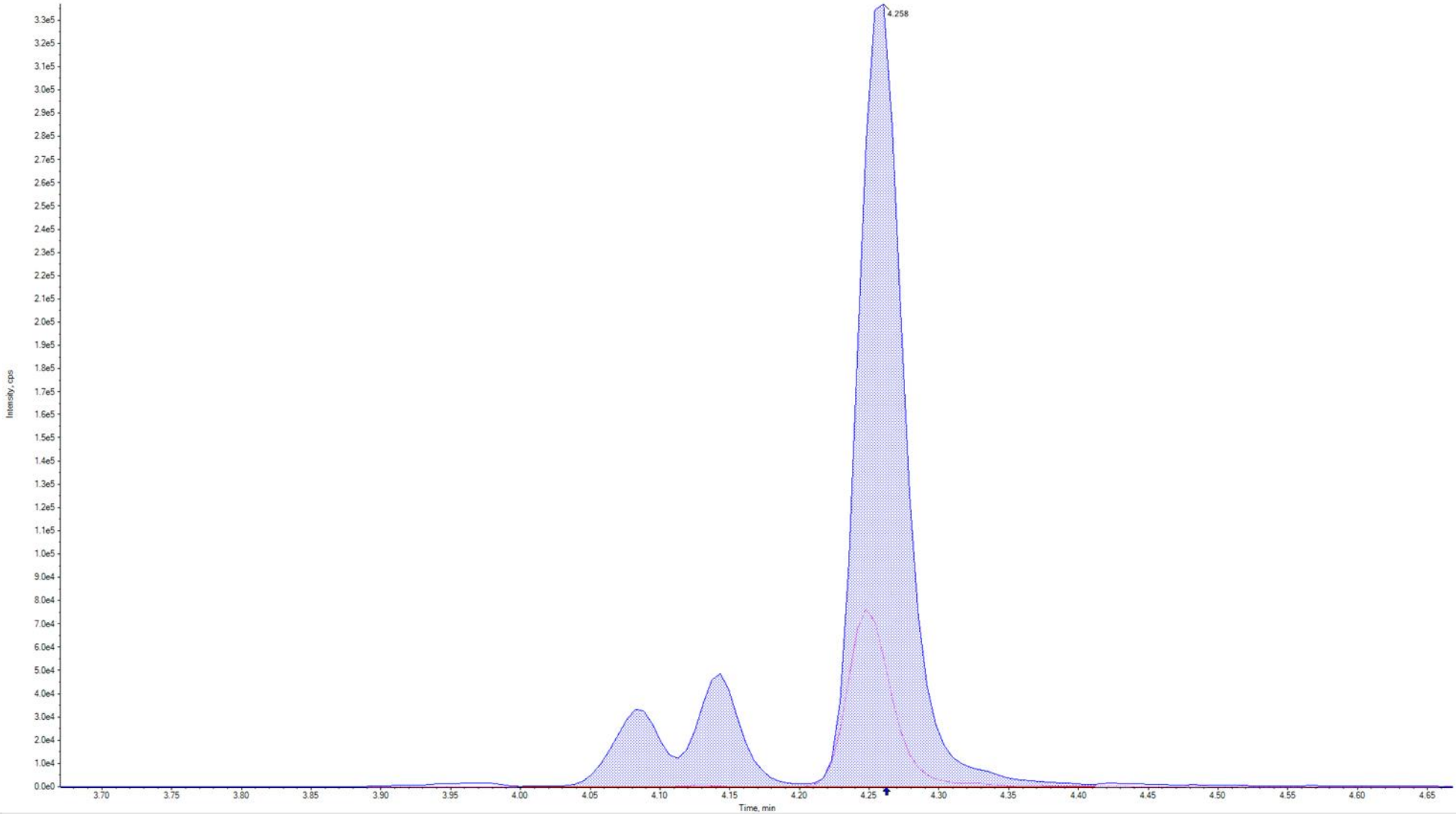
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_18.wiff2_8
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NEtFOSAA
Sample: IA1633STD-50 S/N:524.6 Points Across peak:69



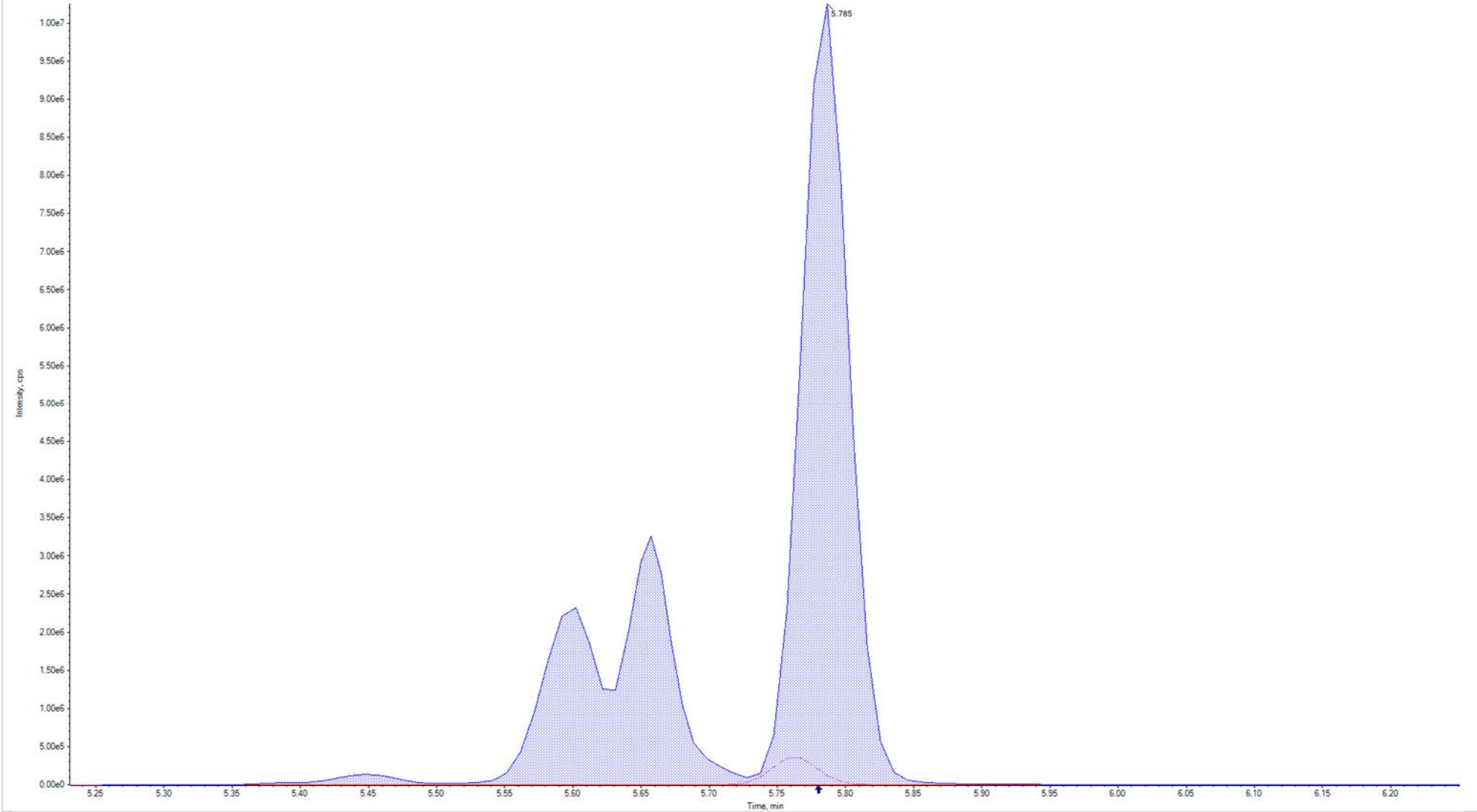
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NEtFOSAA_2
Sample: IA1633STD-50 S/N:450.5 Points Across peak:69



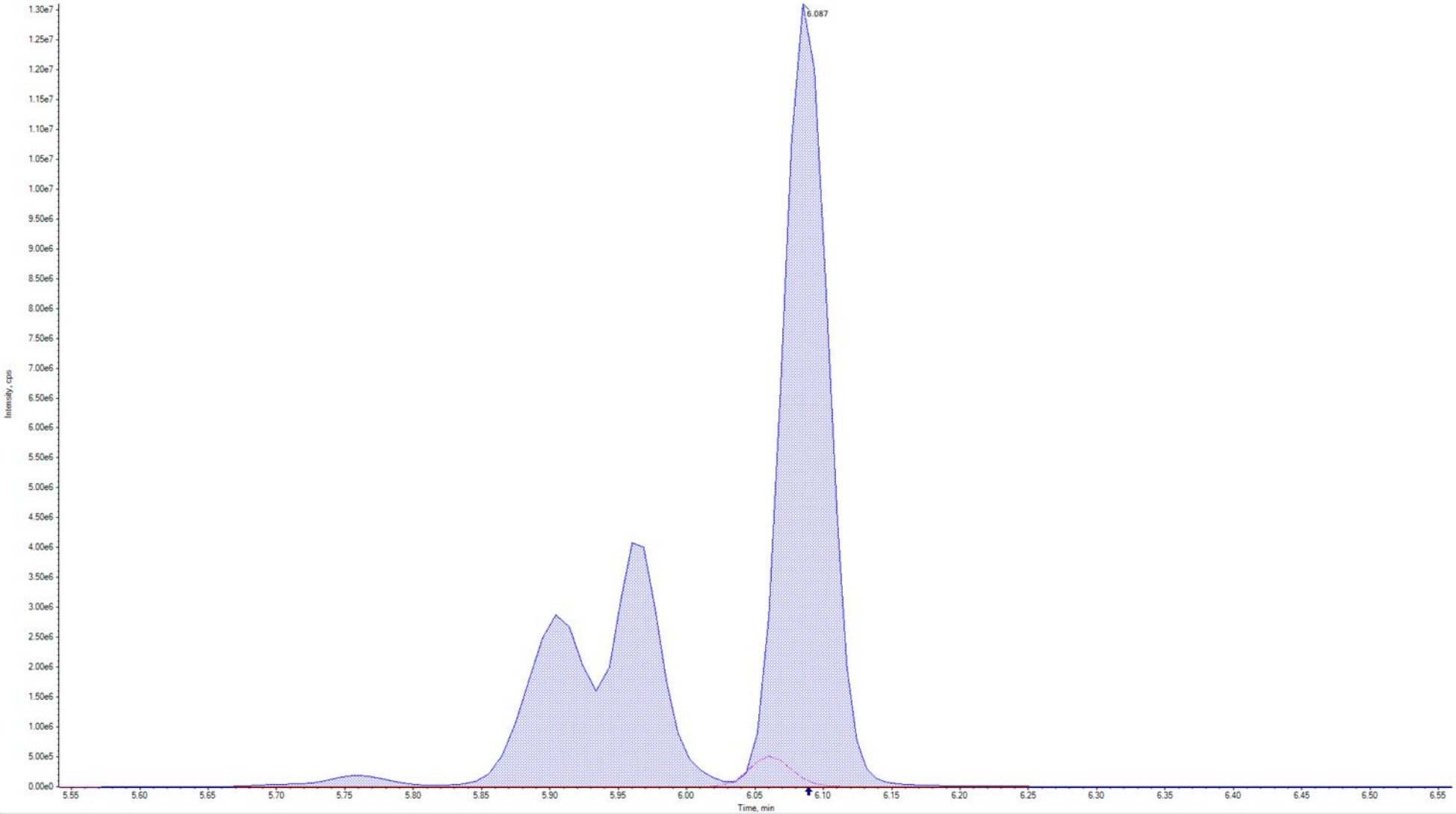
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Alpha Analytical LLC
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NMeFOSE
Sample: IA1633STD-50 S/N:174.0 Points Across peak:70



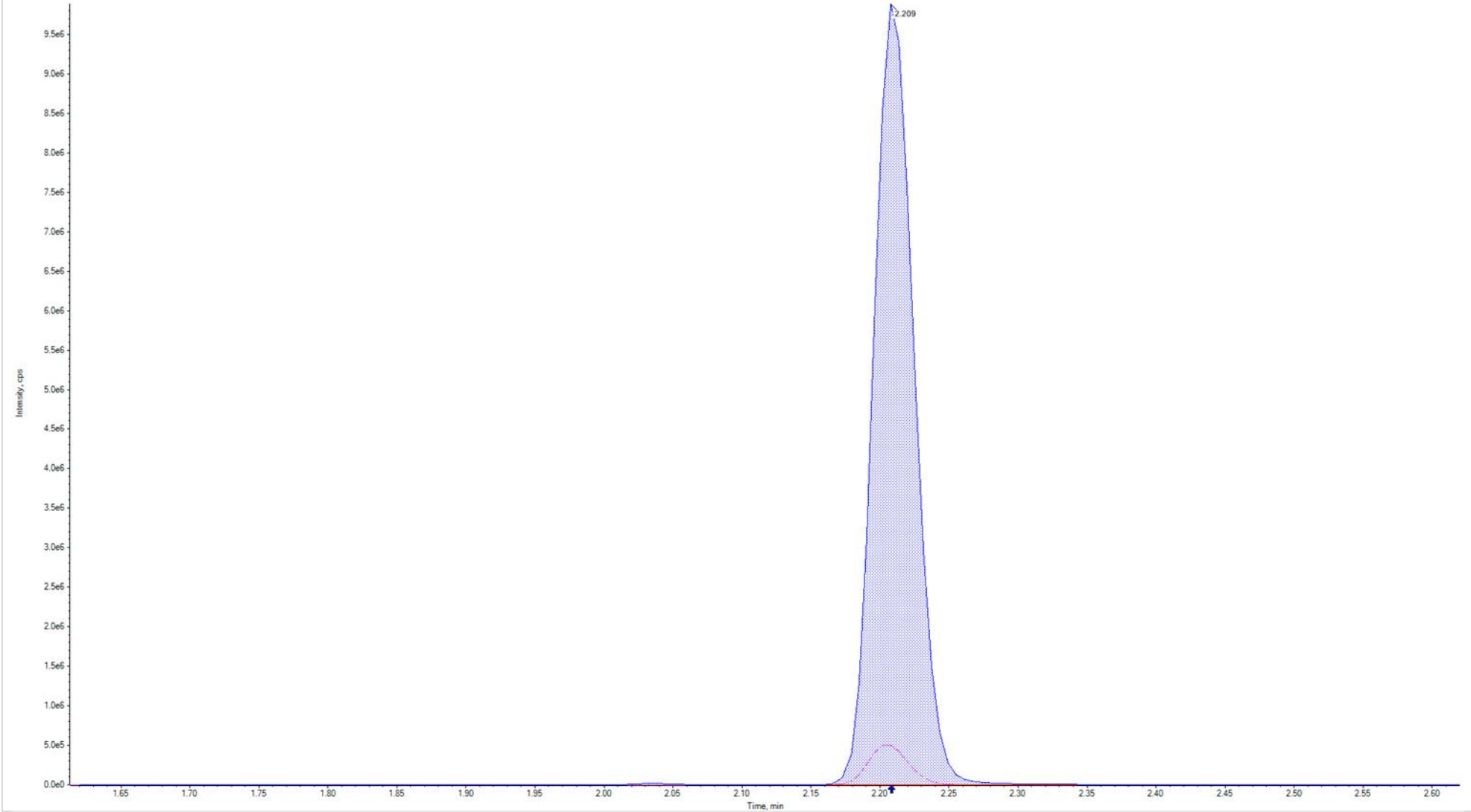
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NEtFOSE
Sample: IA1633STD-50 S/N:389.9 Points Across peak:76



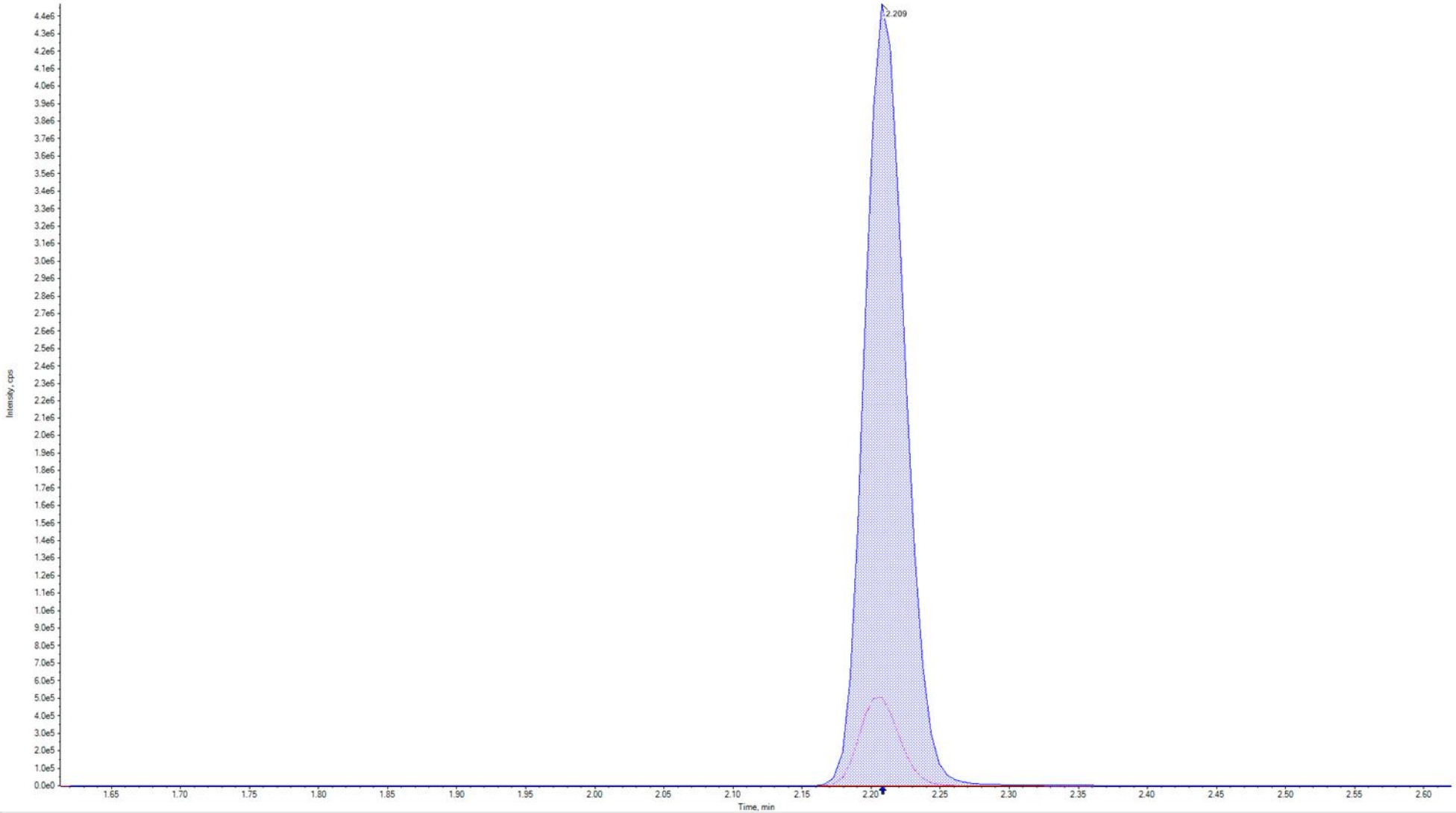
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

HFPO-DA
Sample: IA1633STD-50 S/N:5491.0 Points Across peak:40



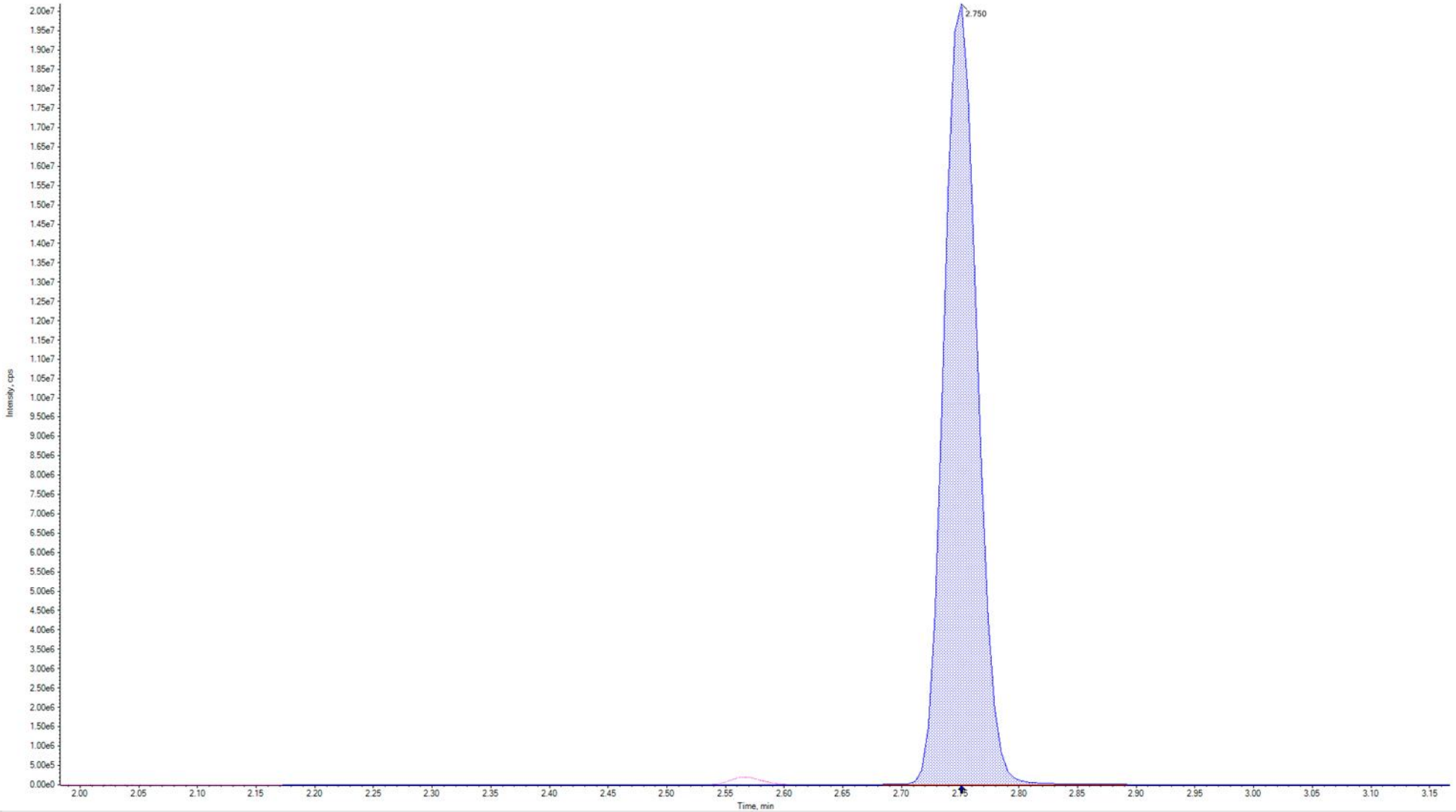
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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HFPO-DA_2
Sample: IA1633STD-50 S/N:100835.8 Points Across peak:32



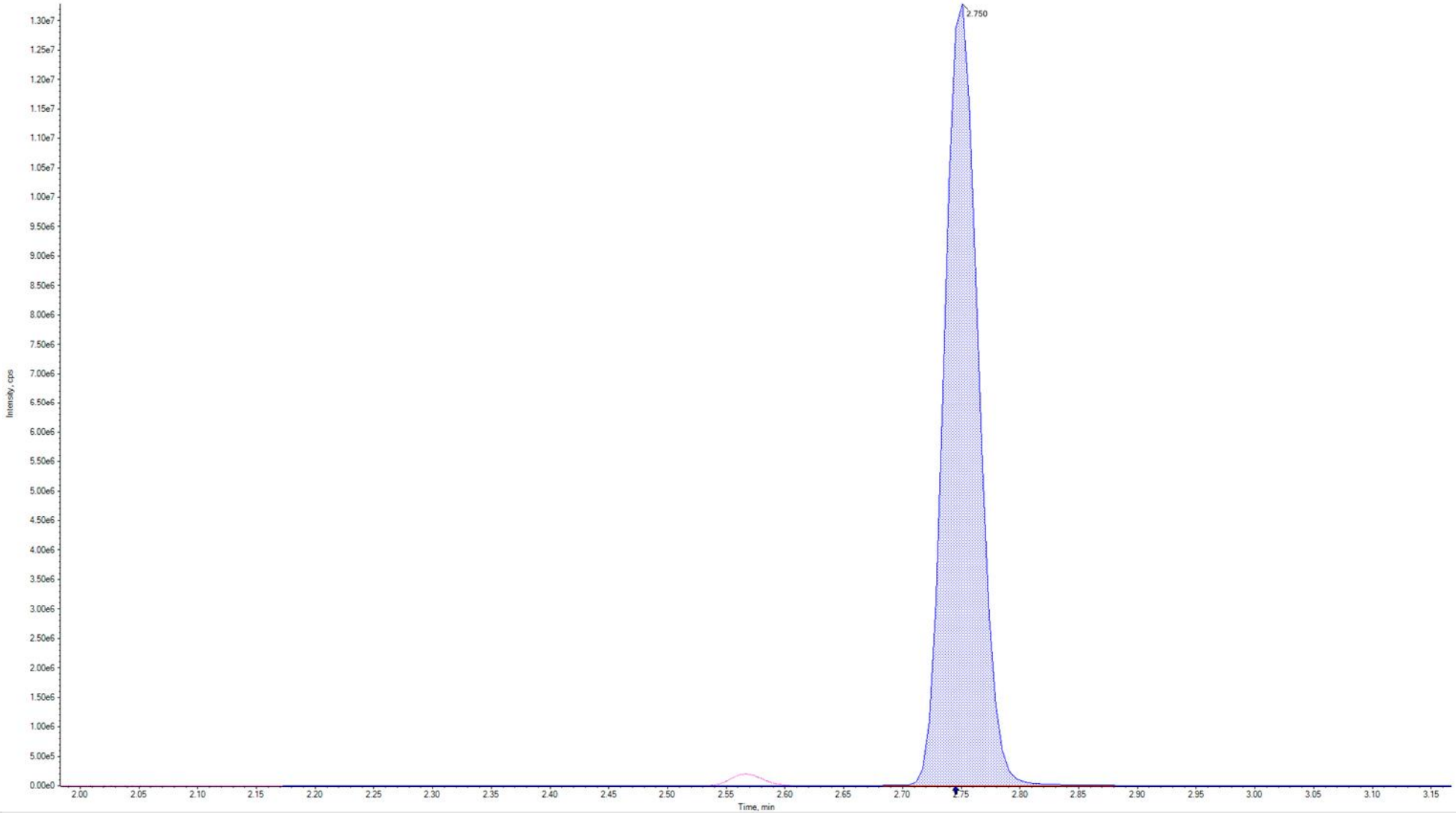
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

ADONA
Sample: IA1633STD-50 S/N:265839.8 Points Across peak:53



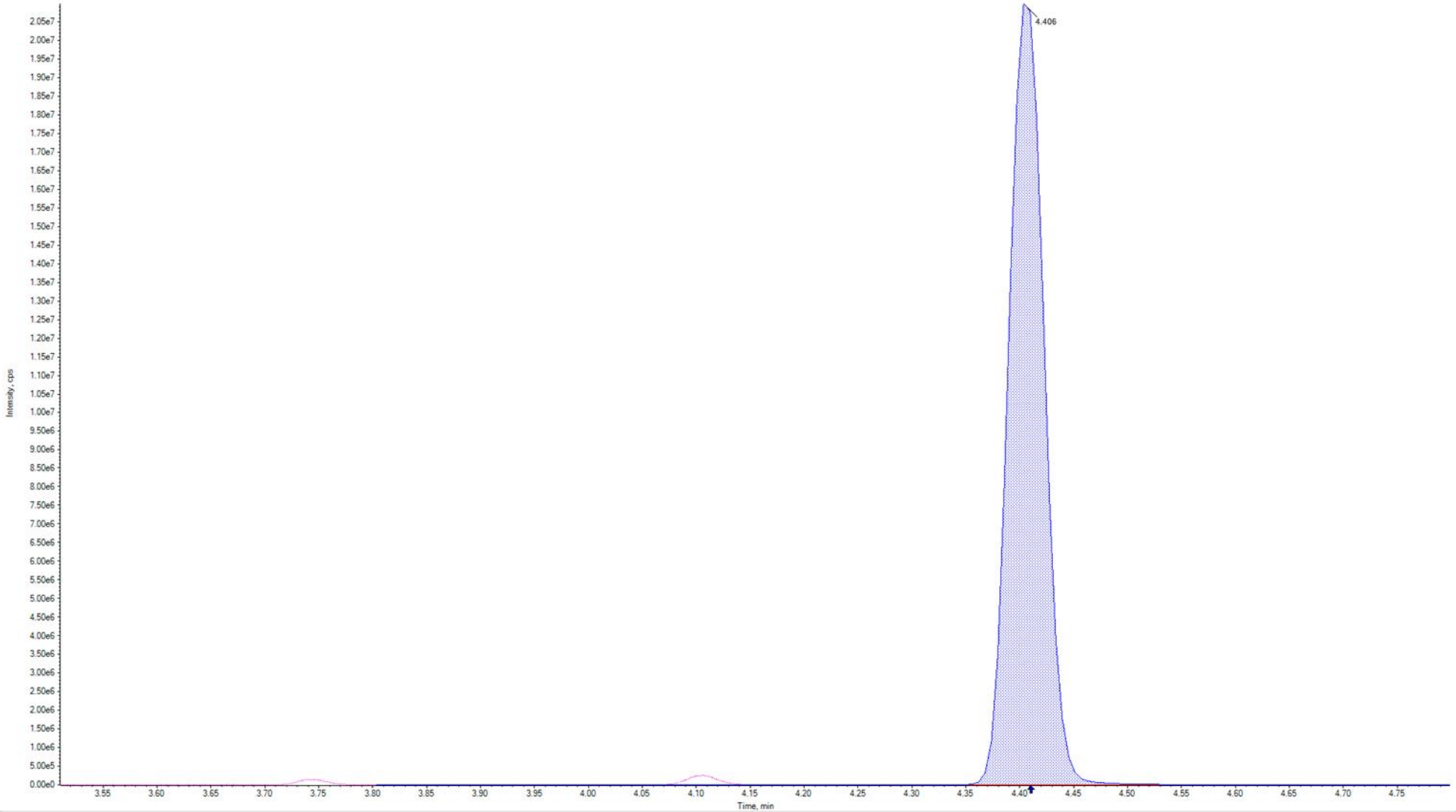
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

ADONA_2
Sample: IA1633STD-50 S/N:266361.2 Points Across peak:54



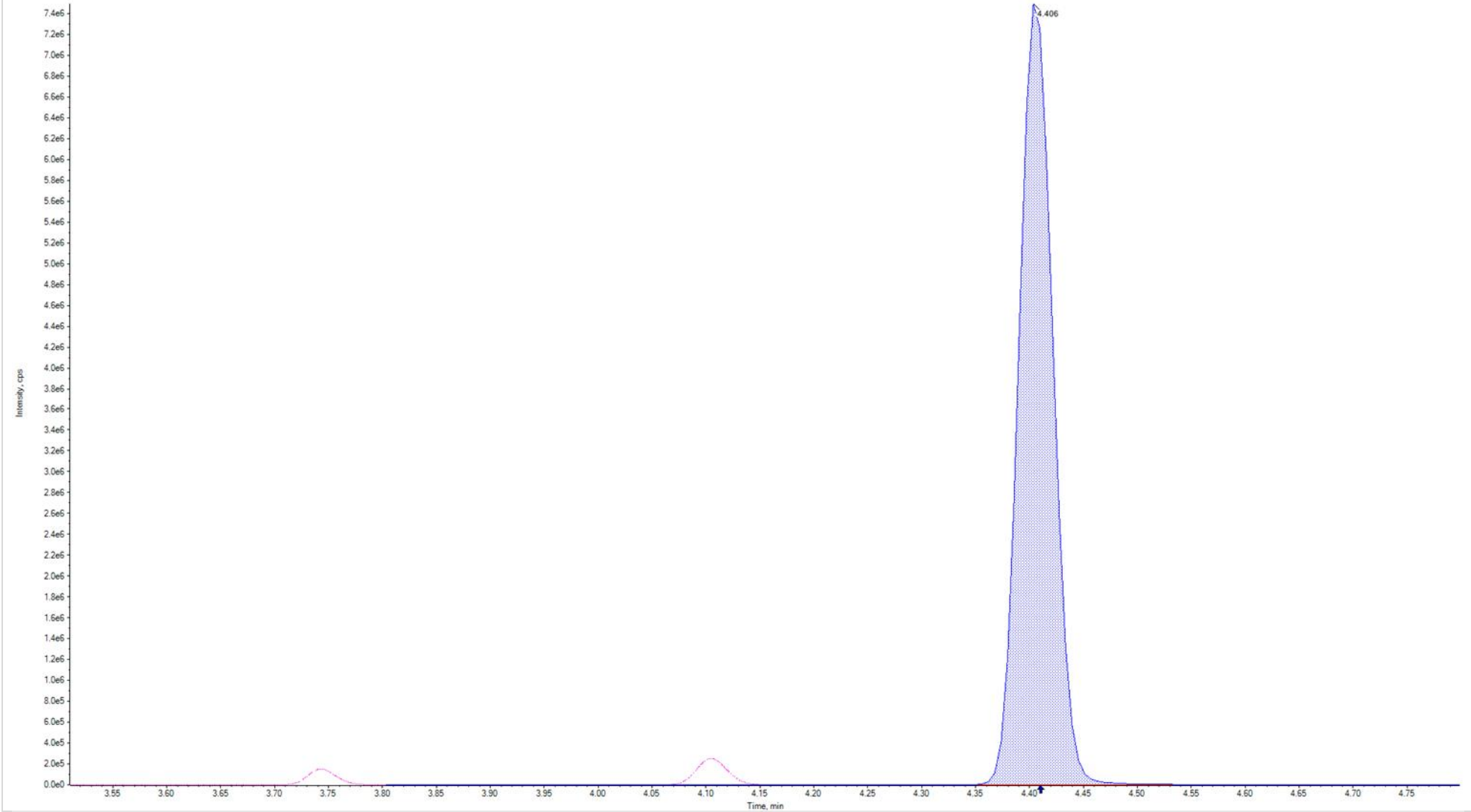
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

9Cl-PF3ONS
Sample: IA1633STD-50 S/N:224678.1 Points Across peak:40



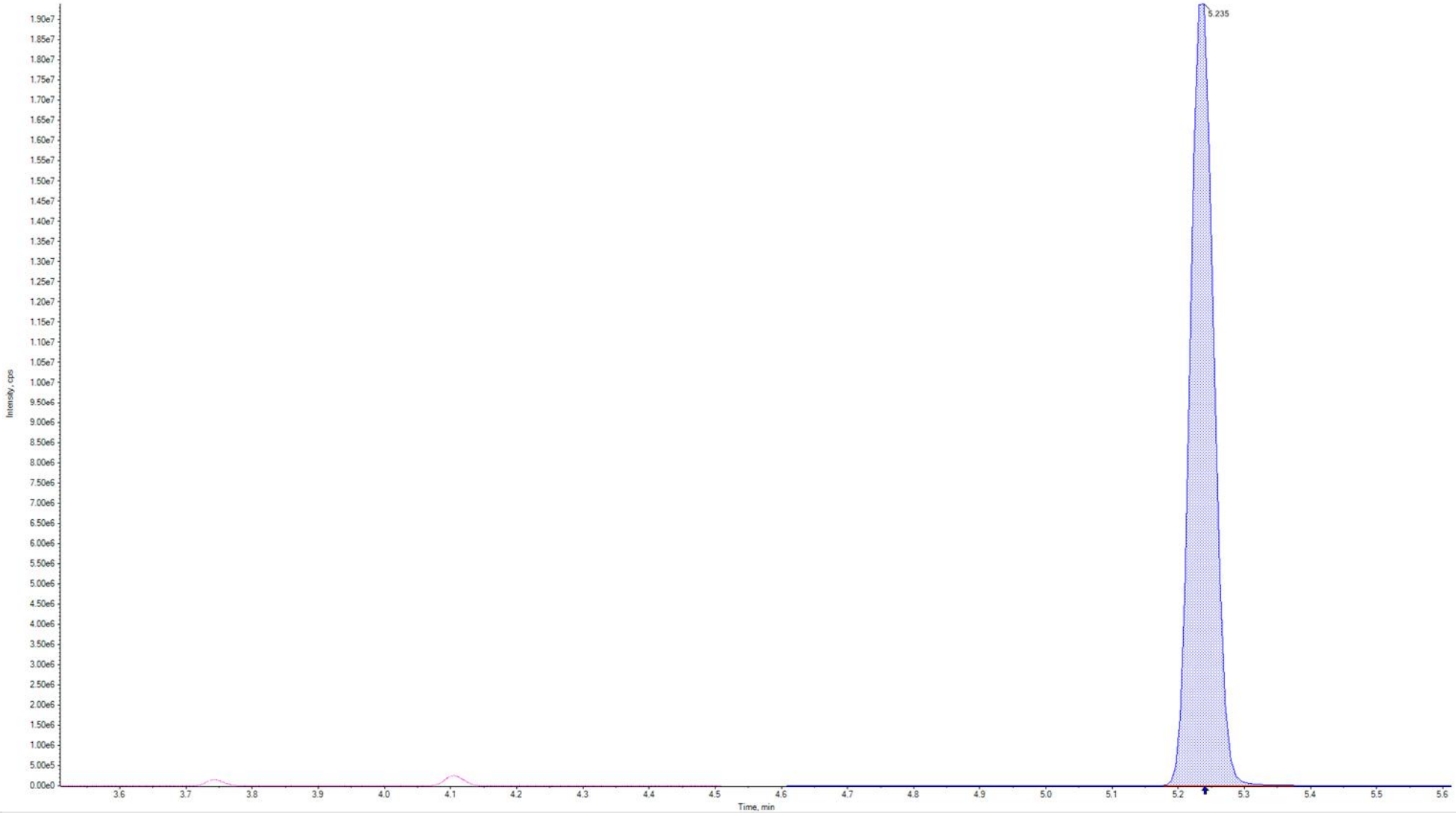
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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9Cl-PF3ONS_2
Sample: IA1633STD-50 S/N:169036.3 Points Across peak:47



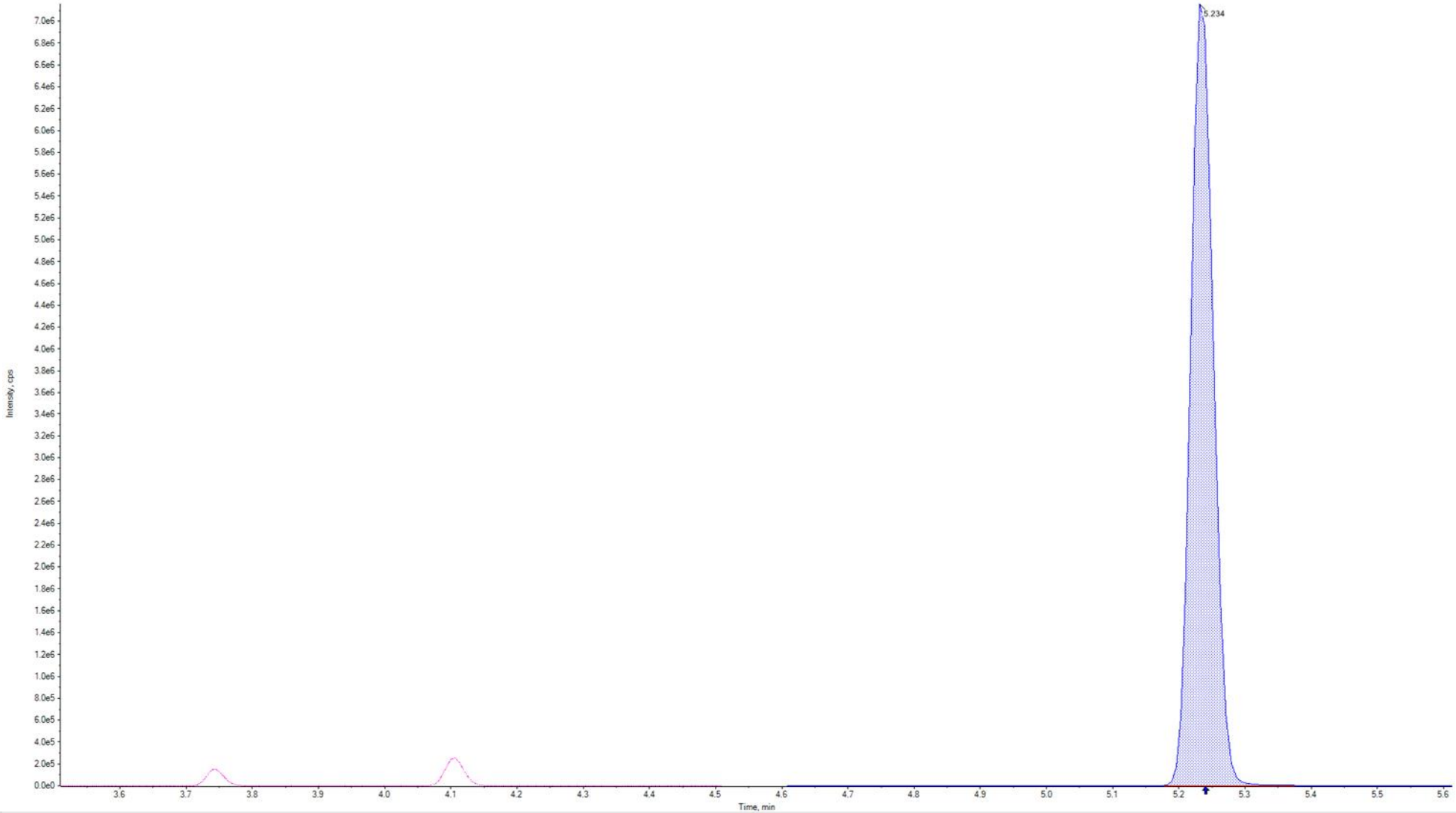
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

11Cl-PF3OUdS
Sample: IA1633STD-50 S/N:82869.9 Points Across peak:48



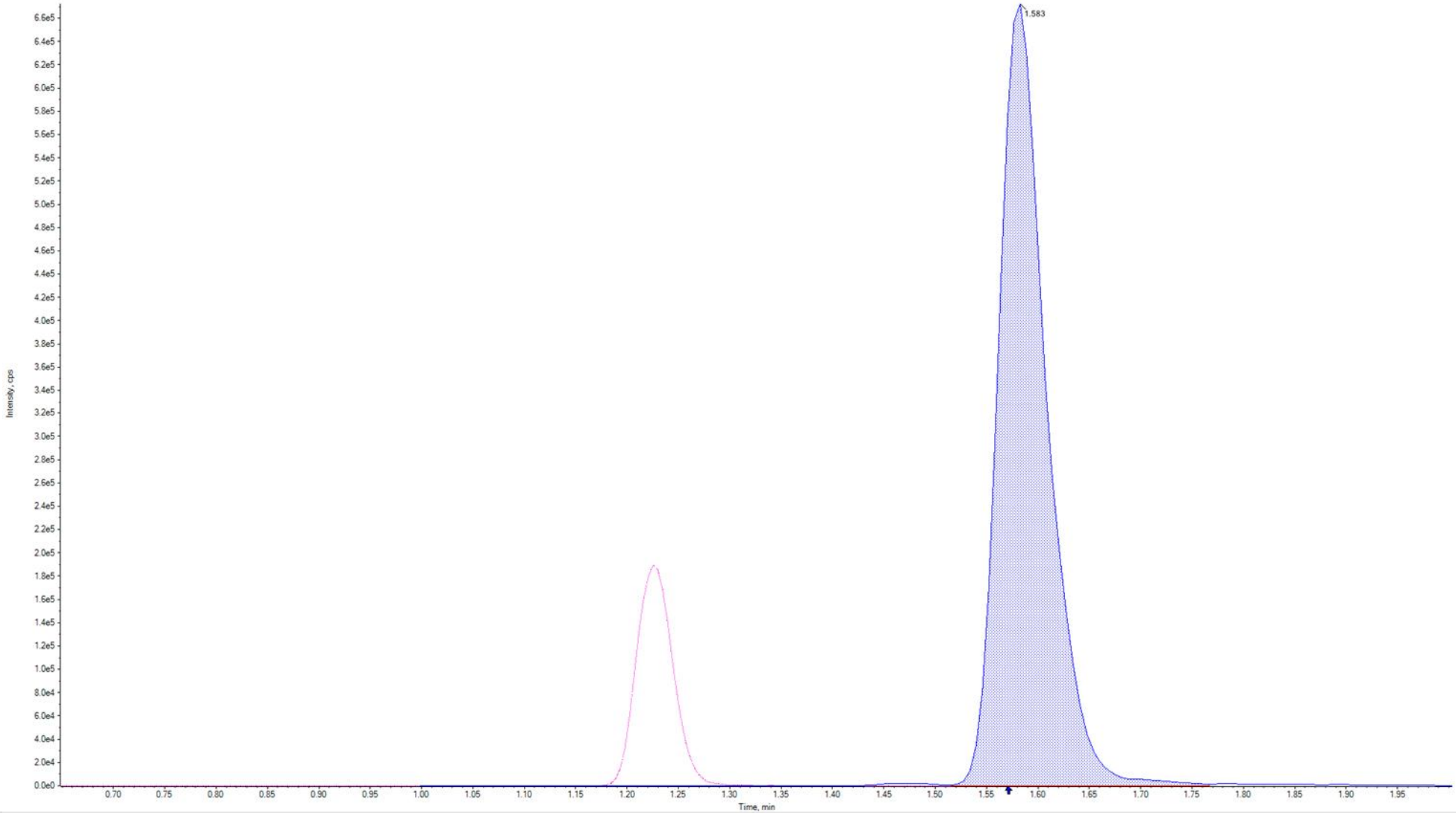
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

11Cl-PF3OUdS_2
Sample: IA1633STD-50 S/N:263258.9 Points Across peak:39



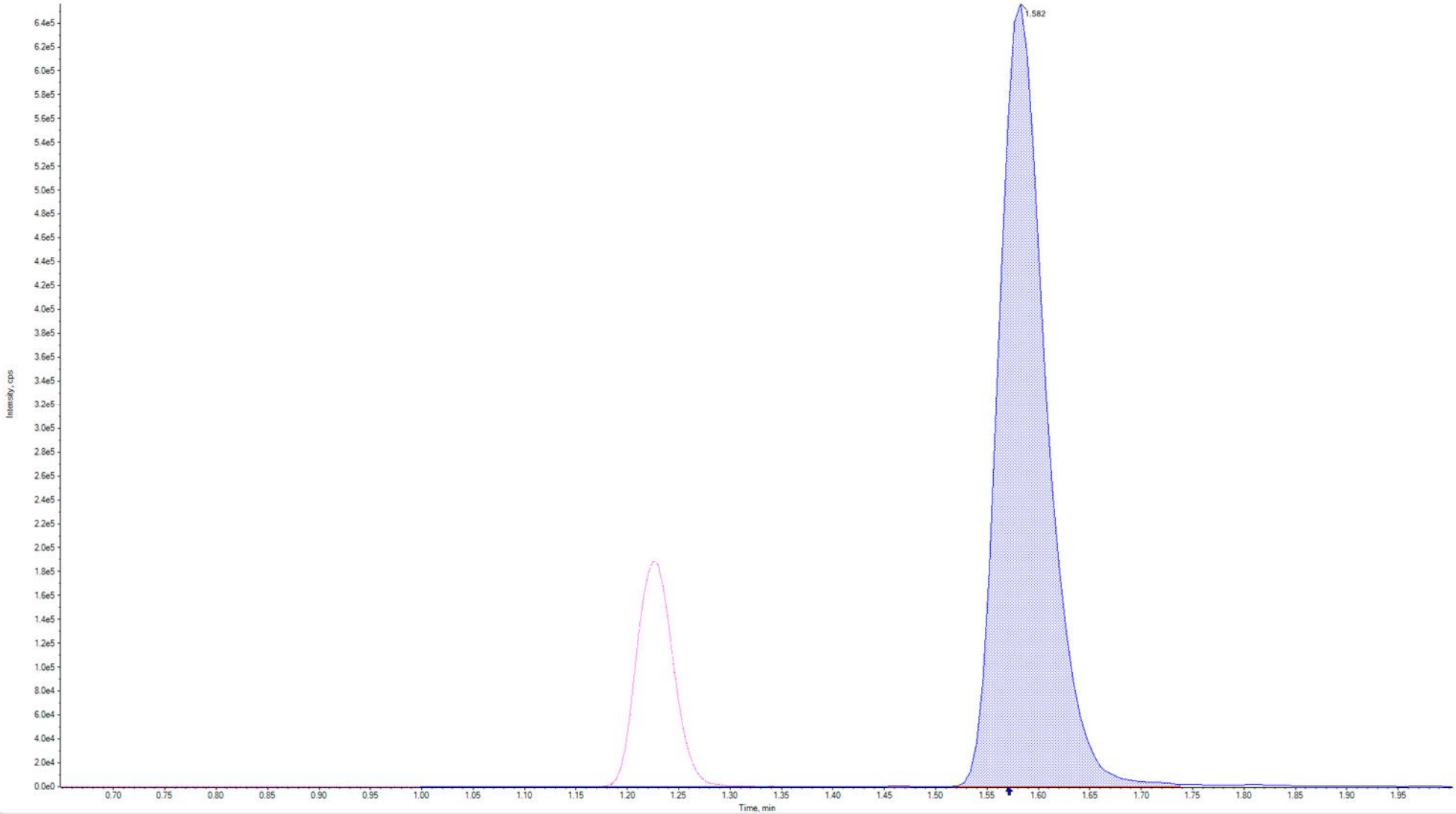
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

3:3FTCA
Sample: IA1633STD-50 S/N:5448.9 Points Across peak:43



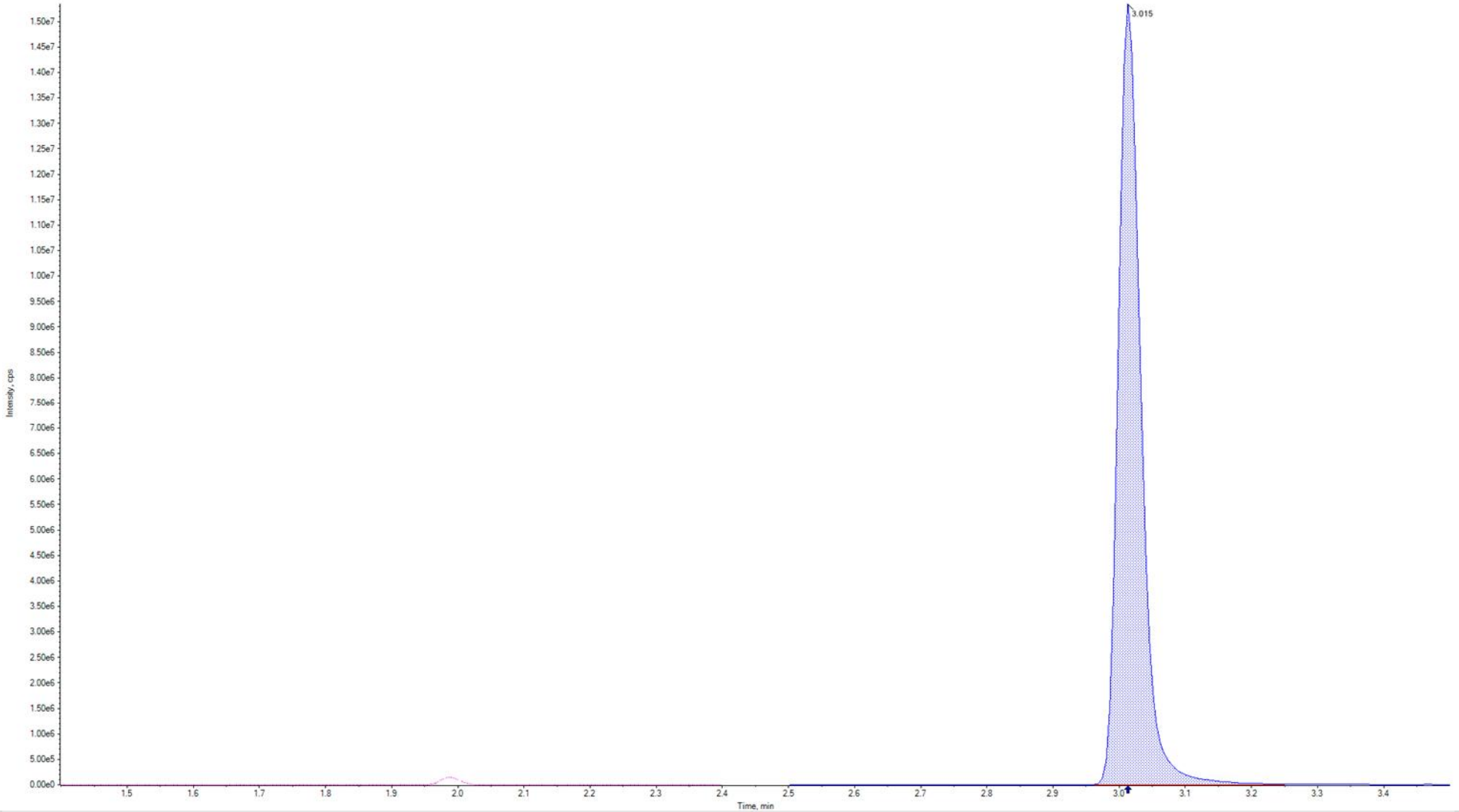
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

3:3FTCA_2
Sample: IA1633STD-50 S/N:16440.5 Points Across peak:39



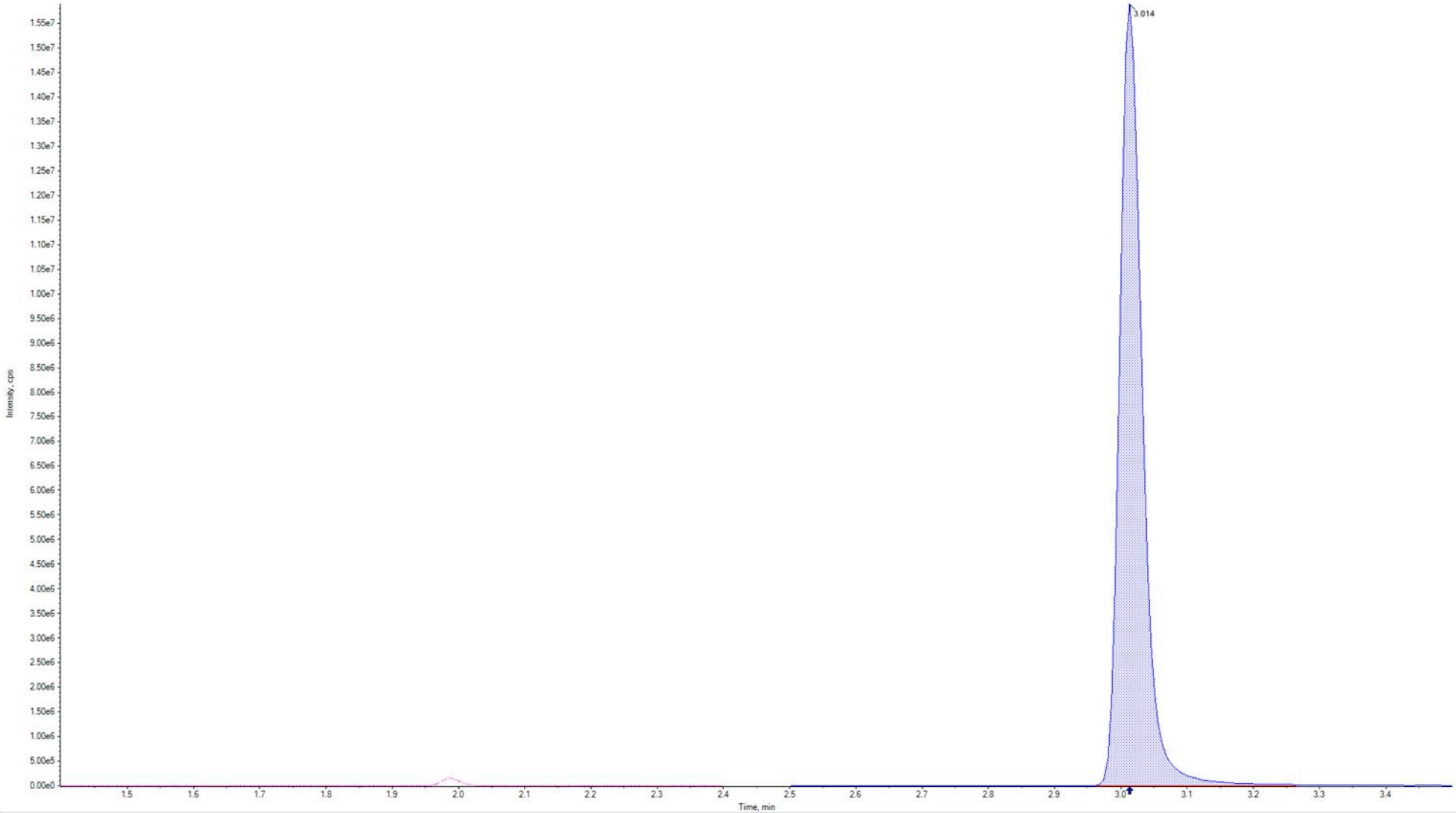
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

5:3FTCA
Sample: IA1633STD-50 S/N:32323.9 Points Across peak:58



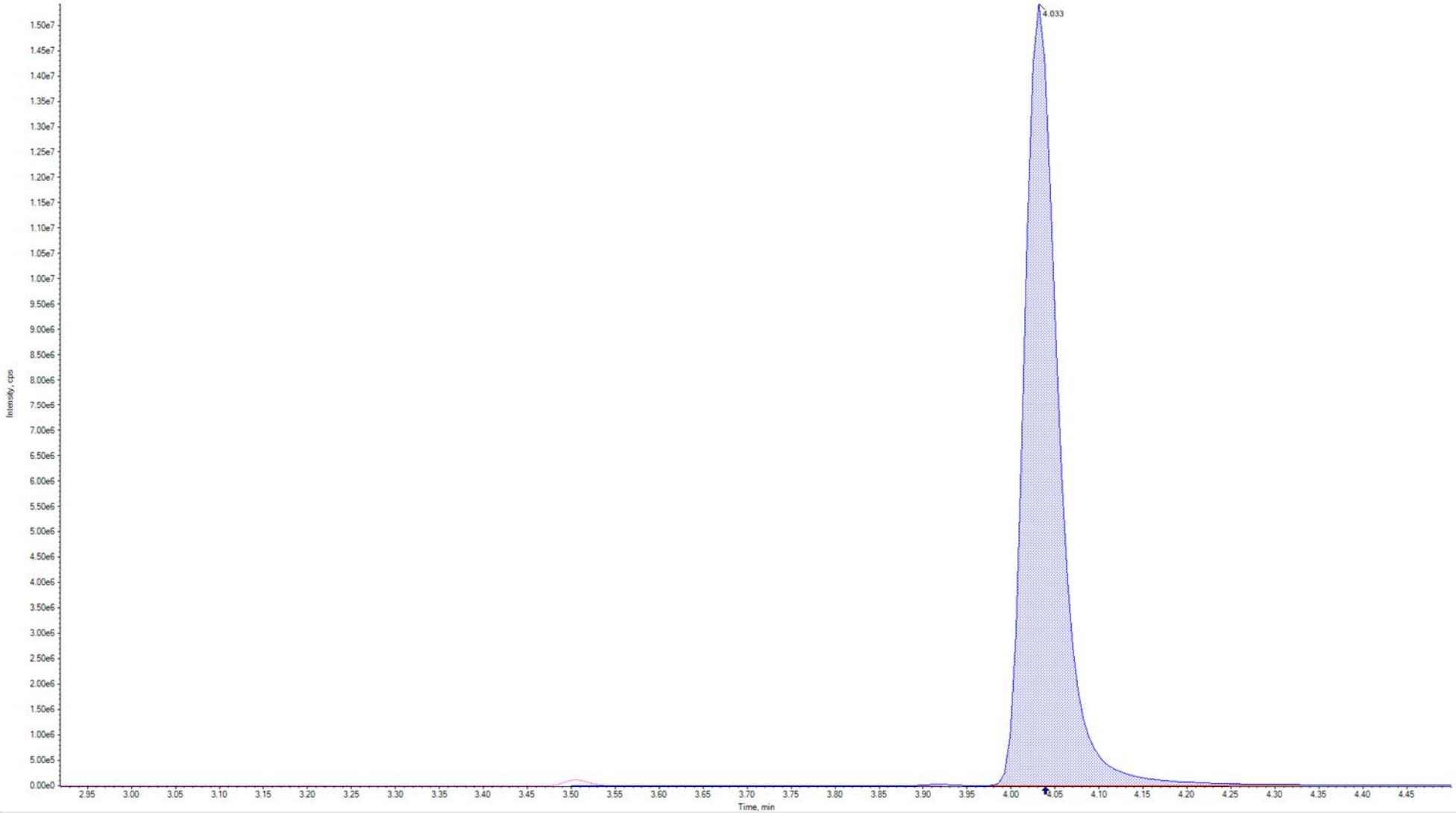
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

5:3FTCA_2
Sample: IA1633STD-50 S/N:20171.1 Points Across peak:60



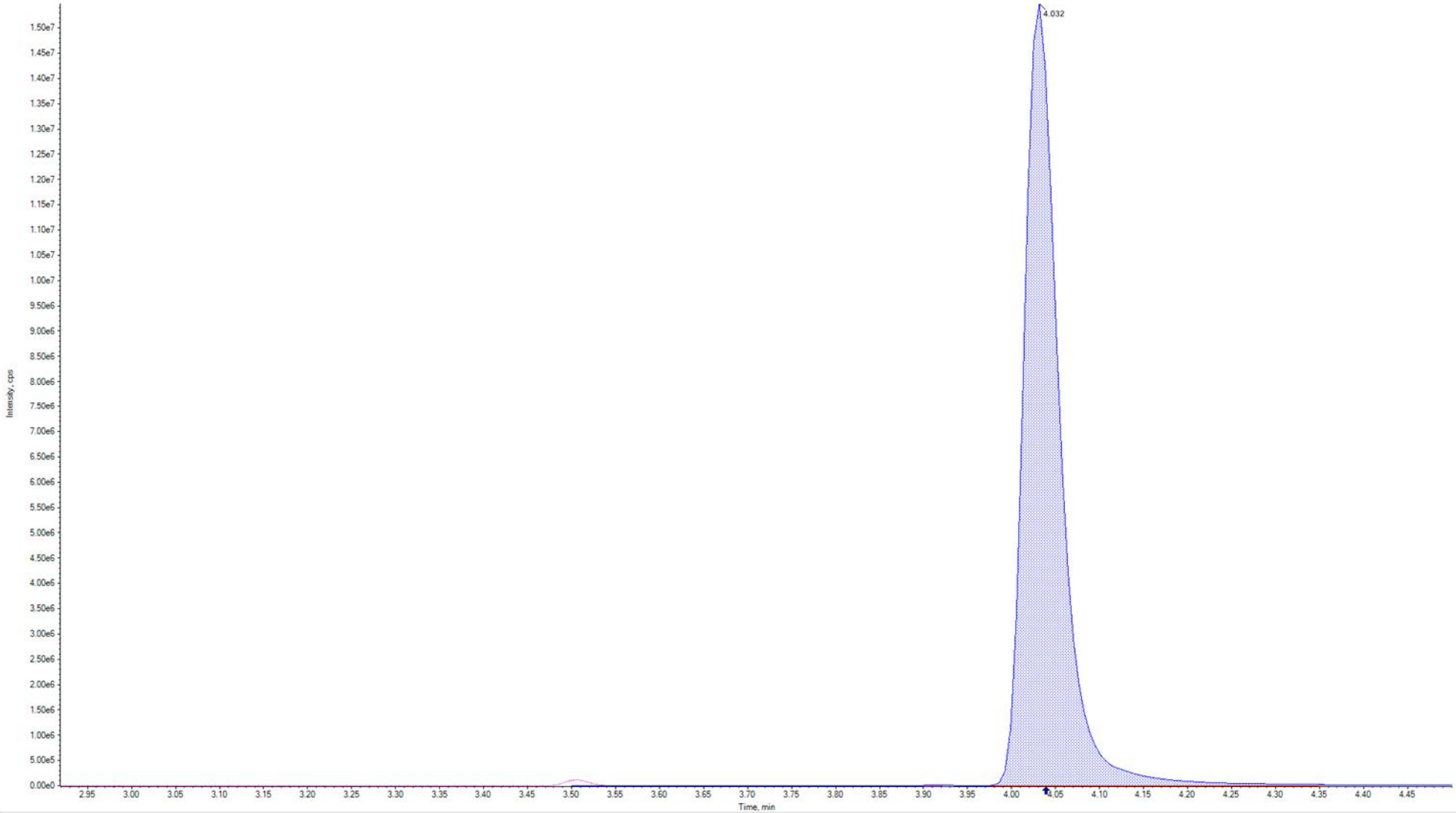
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

7:3FTCA
Sample: IA1633STD-50 S/N:18985.7 Points Across peak:63



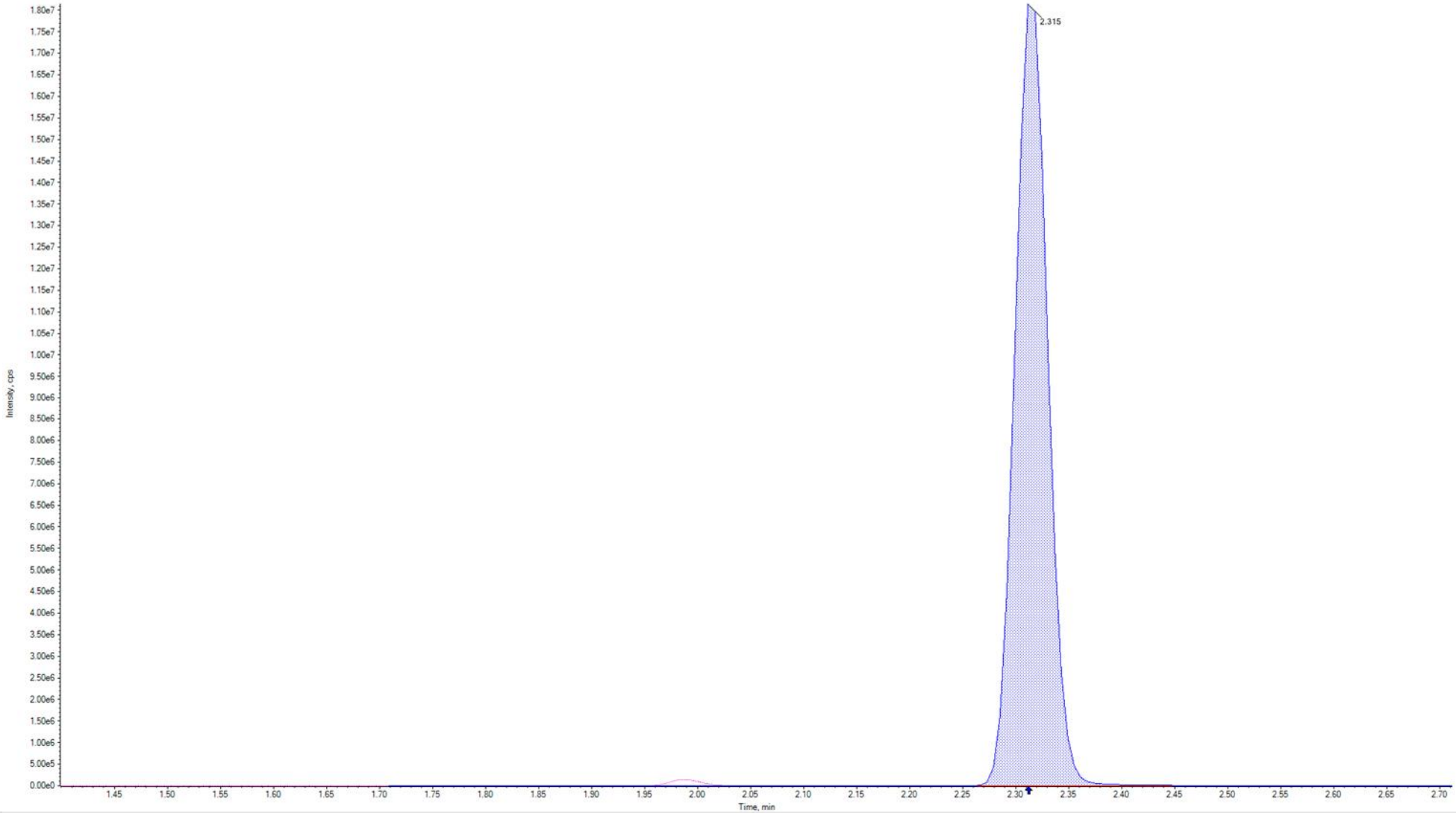
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_18.wiff2_8
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

7:3FTCA_2
Sample: IA1633STD-50 S/N:17507.4 Points Across peak:71



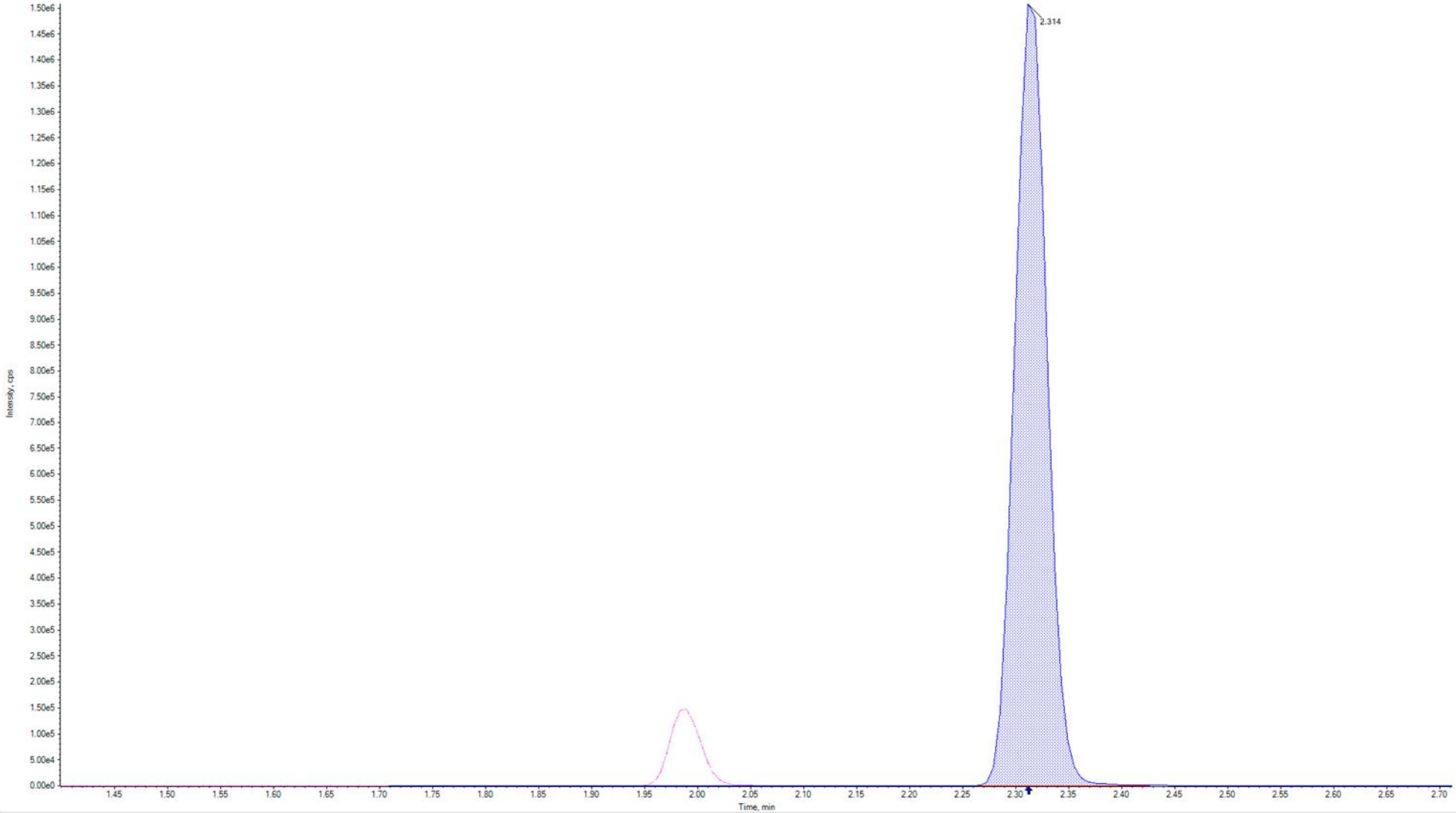
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_18.wiff2_8
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFEESA
Sample: IA1633STD-50 S/N:409346.2 Points Across peak:43



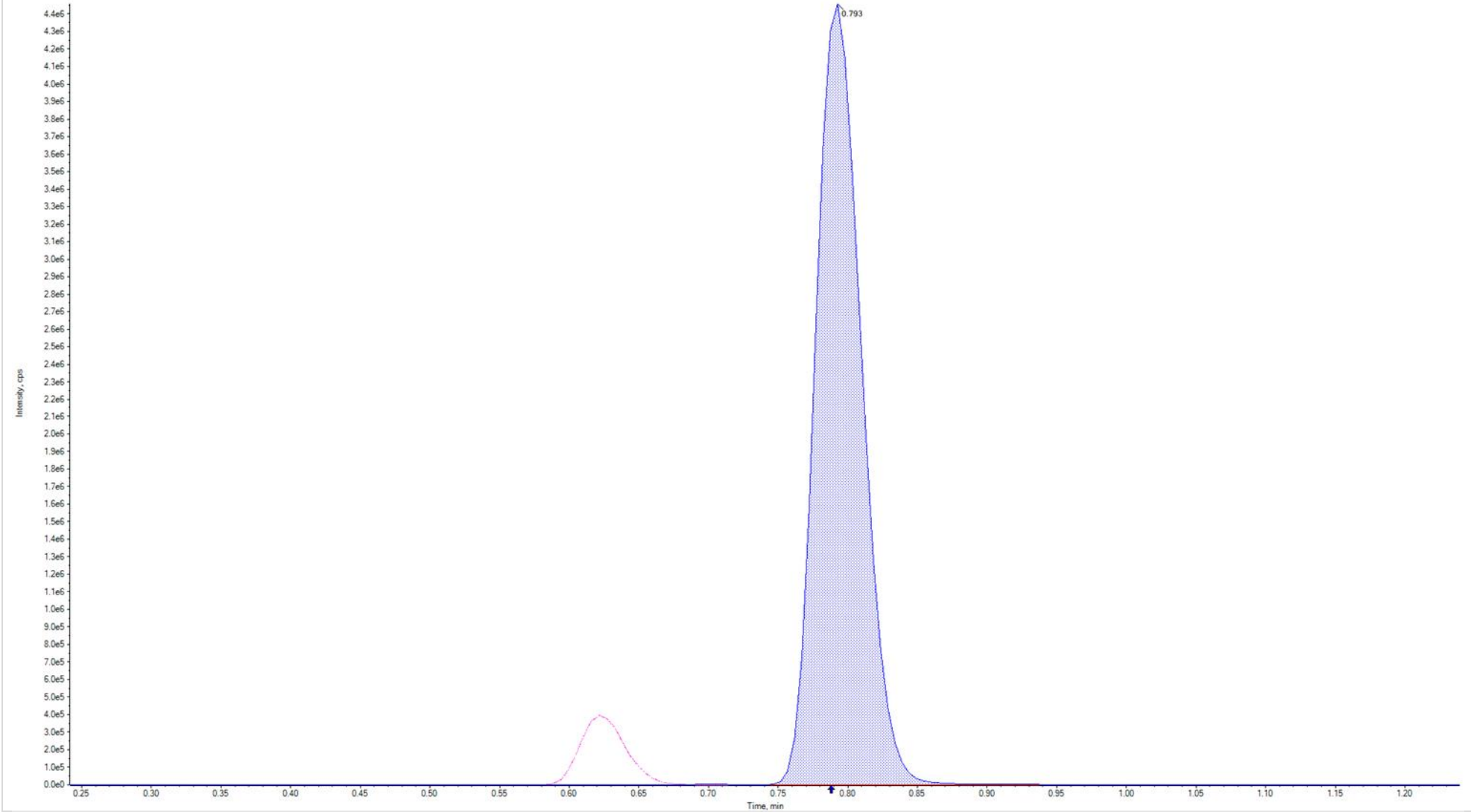
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_18.wiff2_8
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFEESA_2
Sample: IA1633STD-50 S/N:22145.0 Points Across peak:34



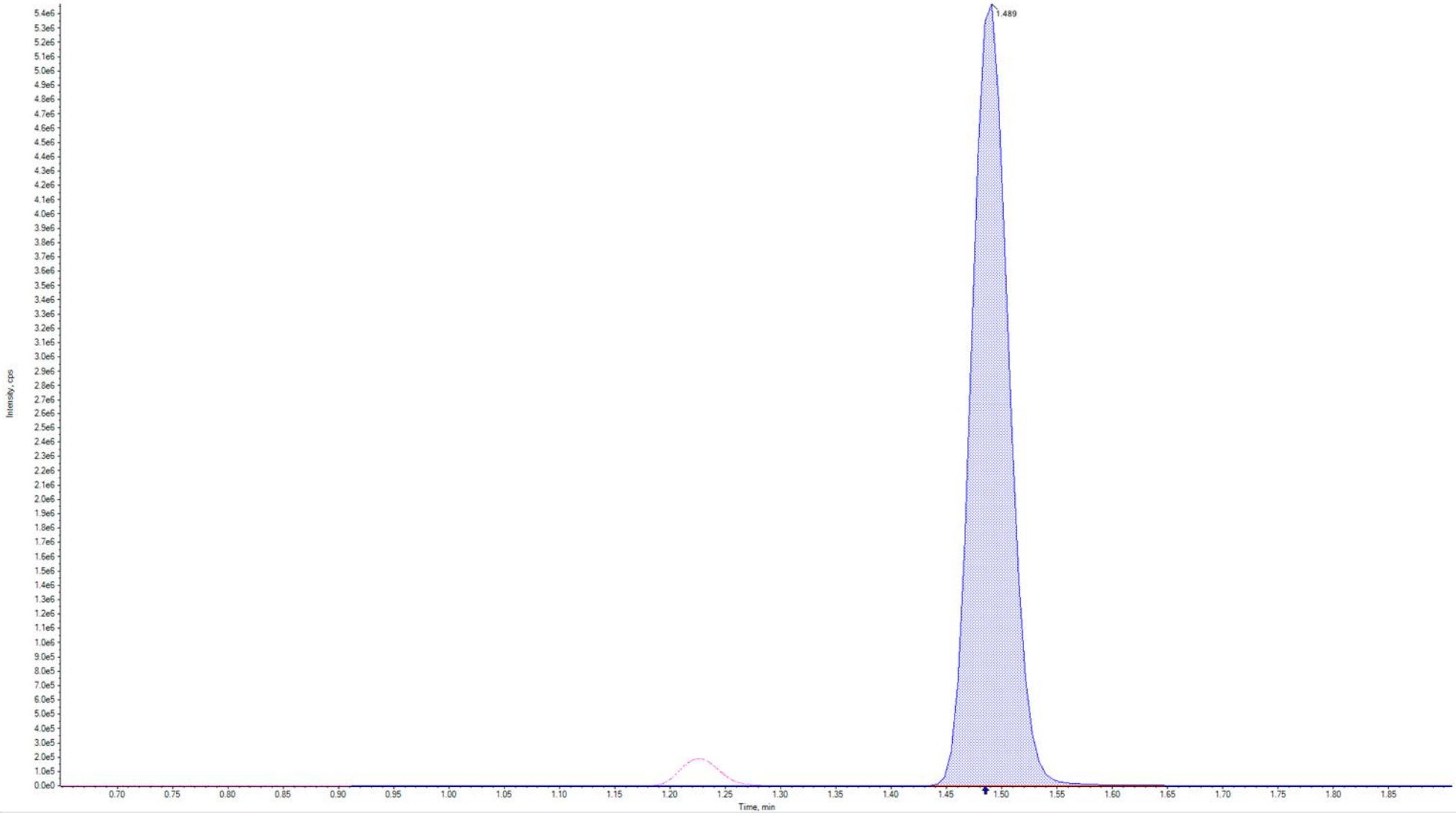
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFMPA
Sample: IA1633STD-50 S/N:26135.2 Points Across peak:51



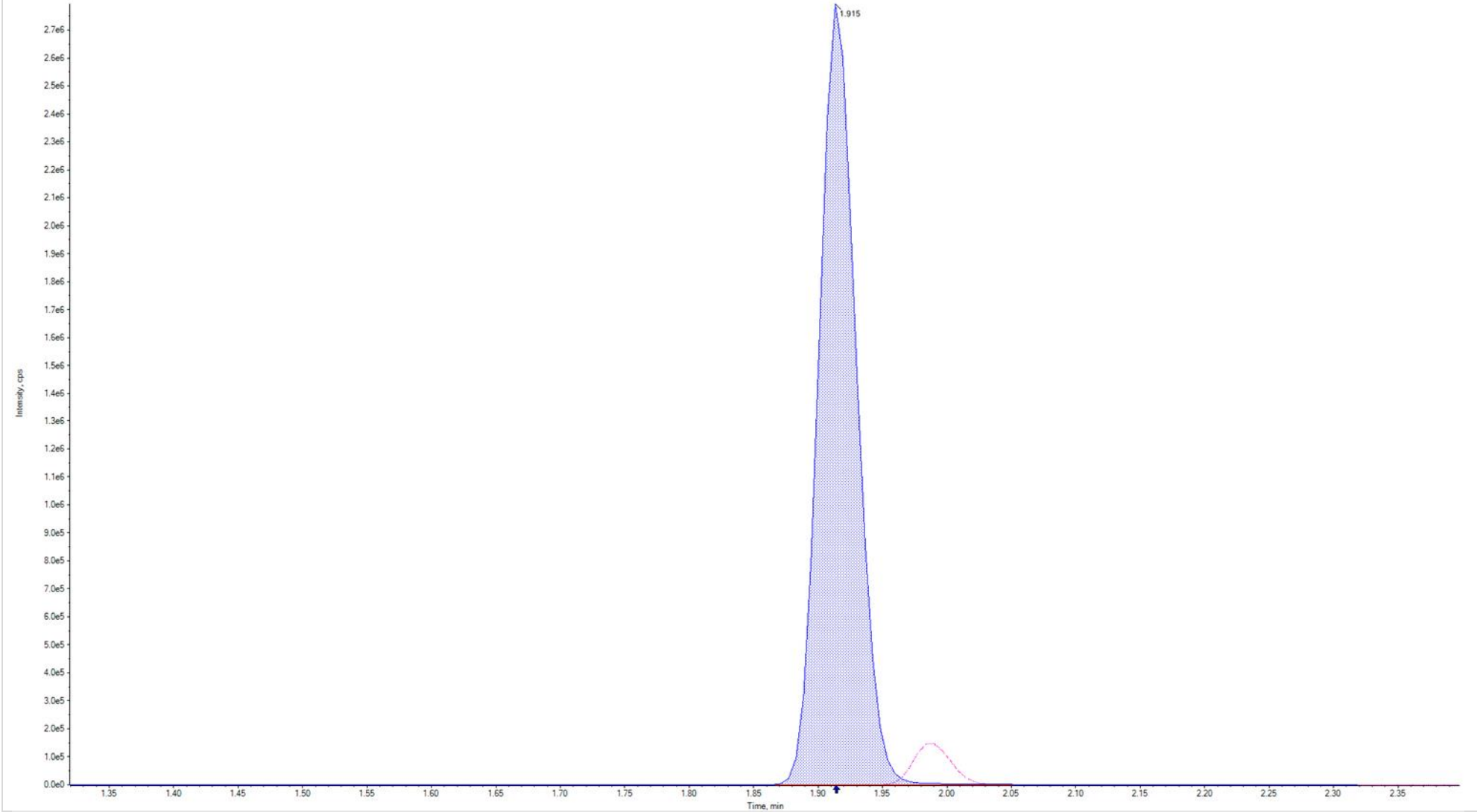
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_18.wiff2_8
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFMBA
Sample: IA1633STD-50 S/N:47074.7 Points Across peak:51



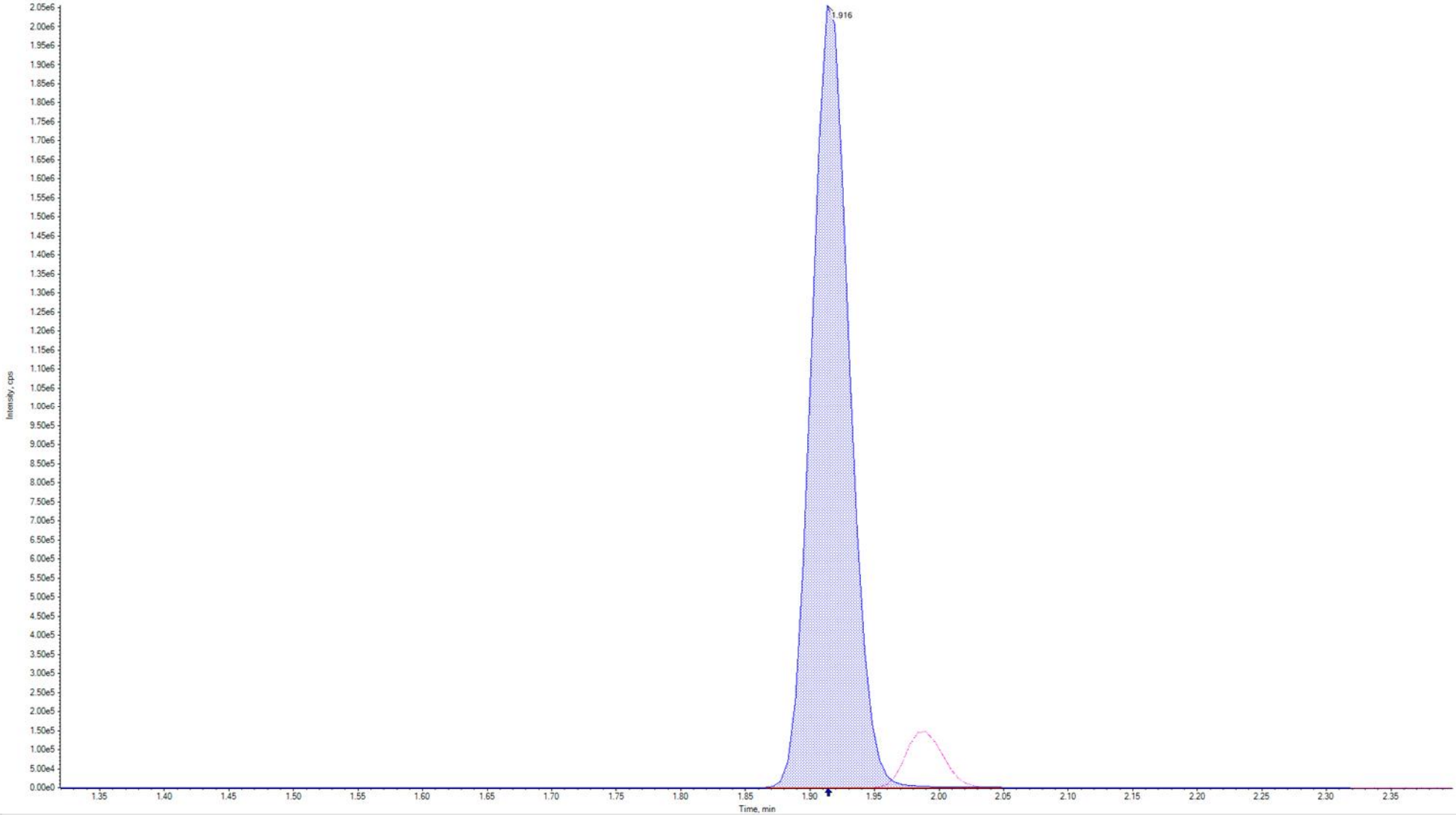
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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NFDHA
Sample: IA1633STD-50 S/N:14345.1 Points Across peak:40

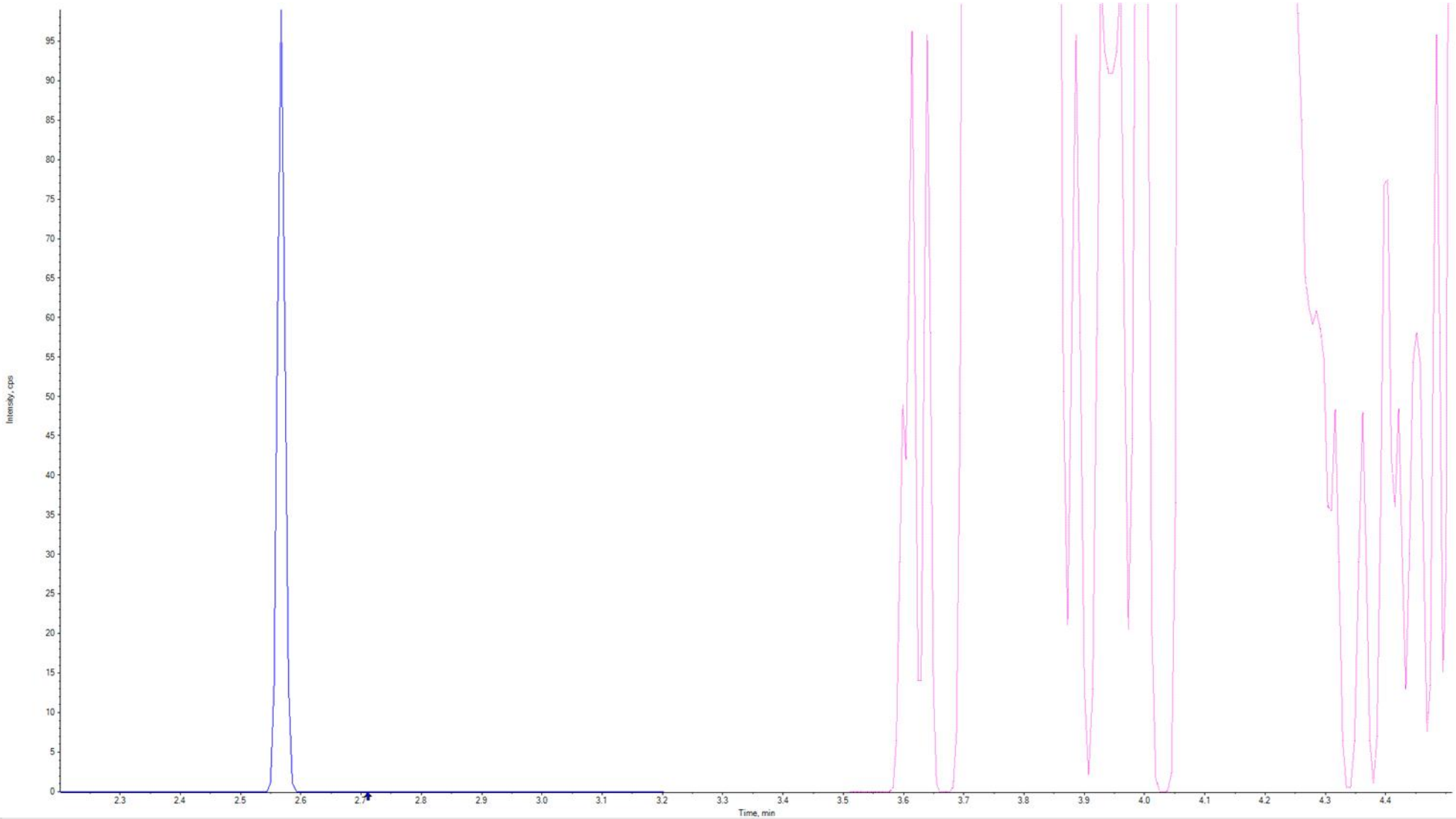


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Alpha Analytical LLC
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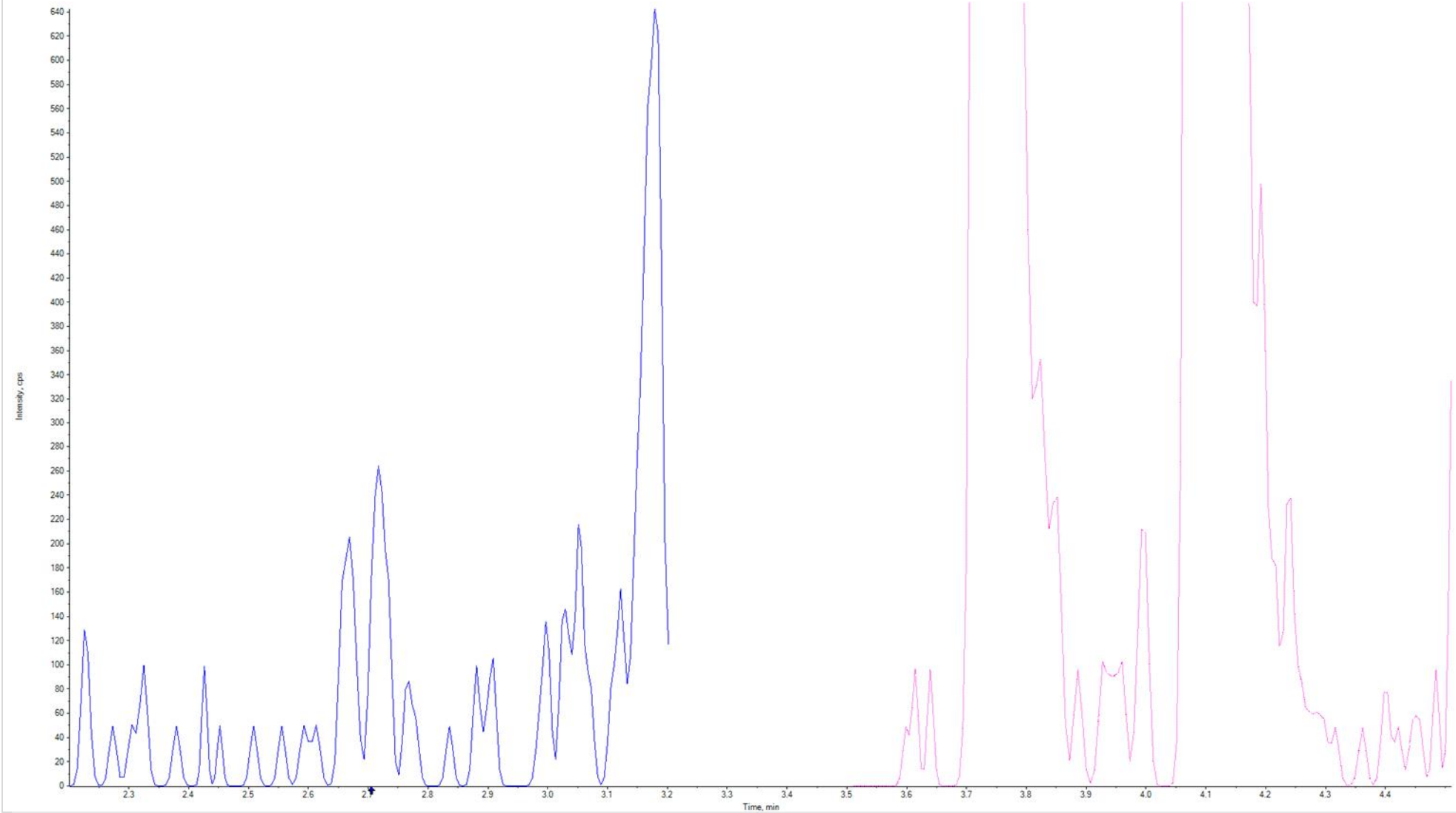
NFDHA_2
Sample: IA1633STD-50 S/N:9030.2 Points Across peak:37



TDCA
Sample: IA1633STD-50 S/N:N/A Points Across peak:N/A

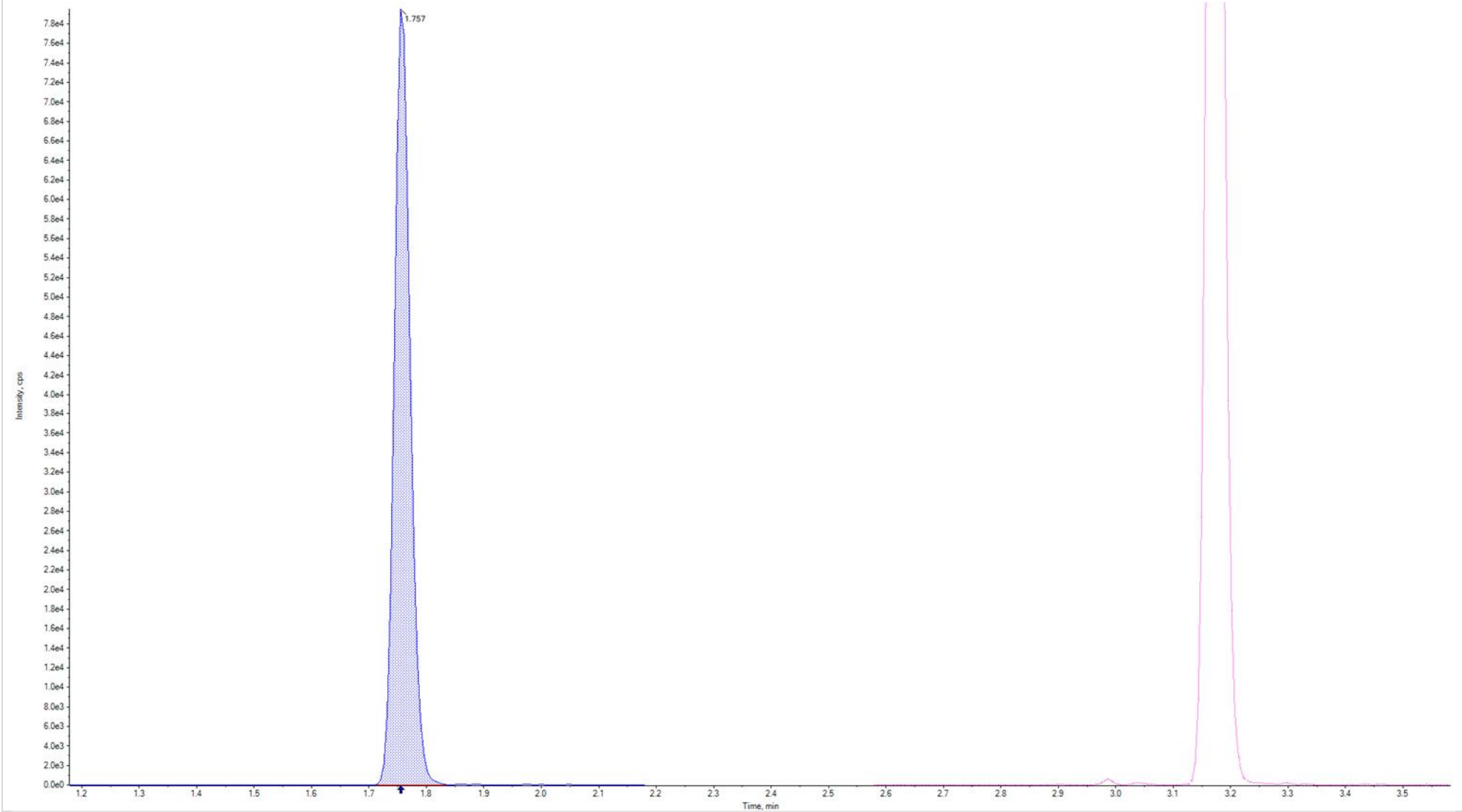


TDCA_2
Sample: IA1633STD-50 S/N:N/A Points Across peak:N/A



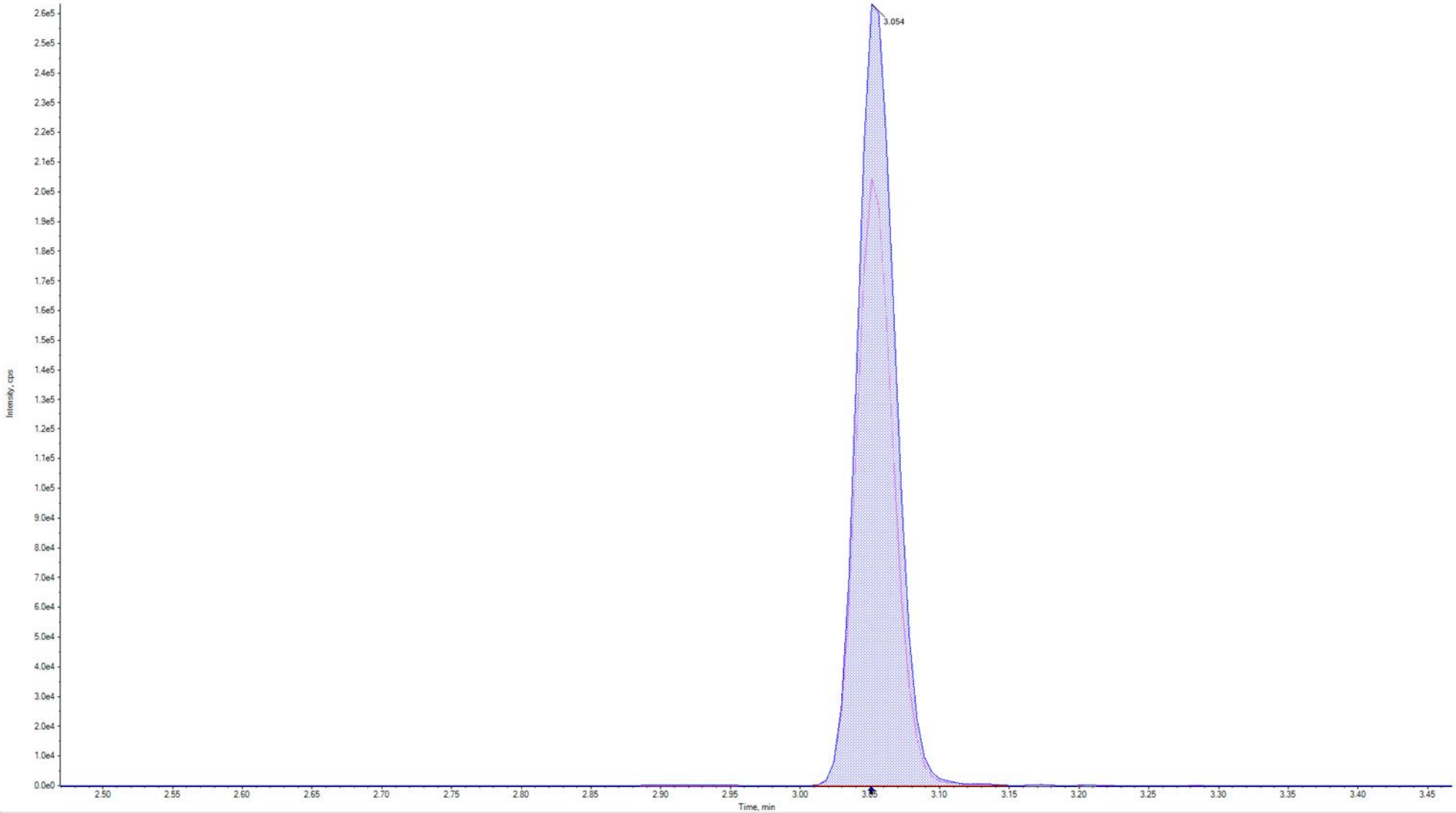
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Last Altered: 12/16/2024 8:11:58 PM
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13C2D4-4:2FTS
Sample: IA1633STD-50 S/N:2767.3 Points Across peak:25

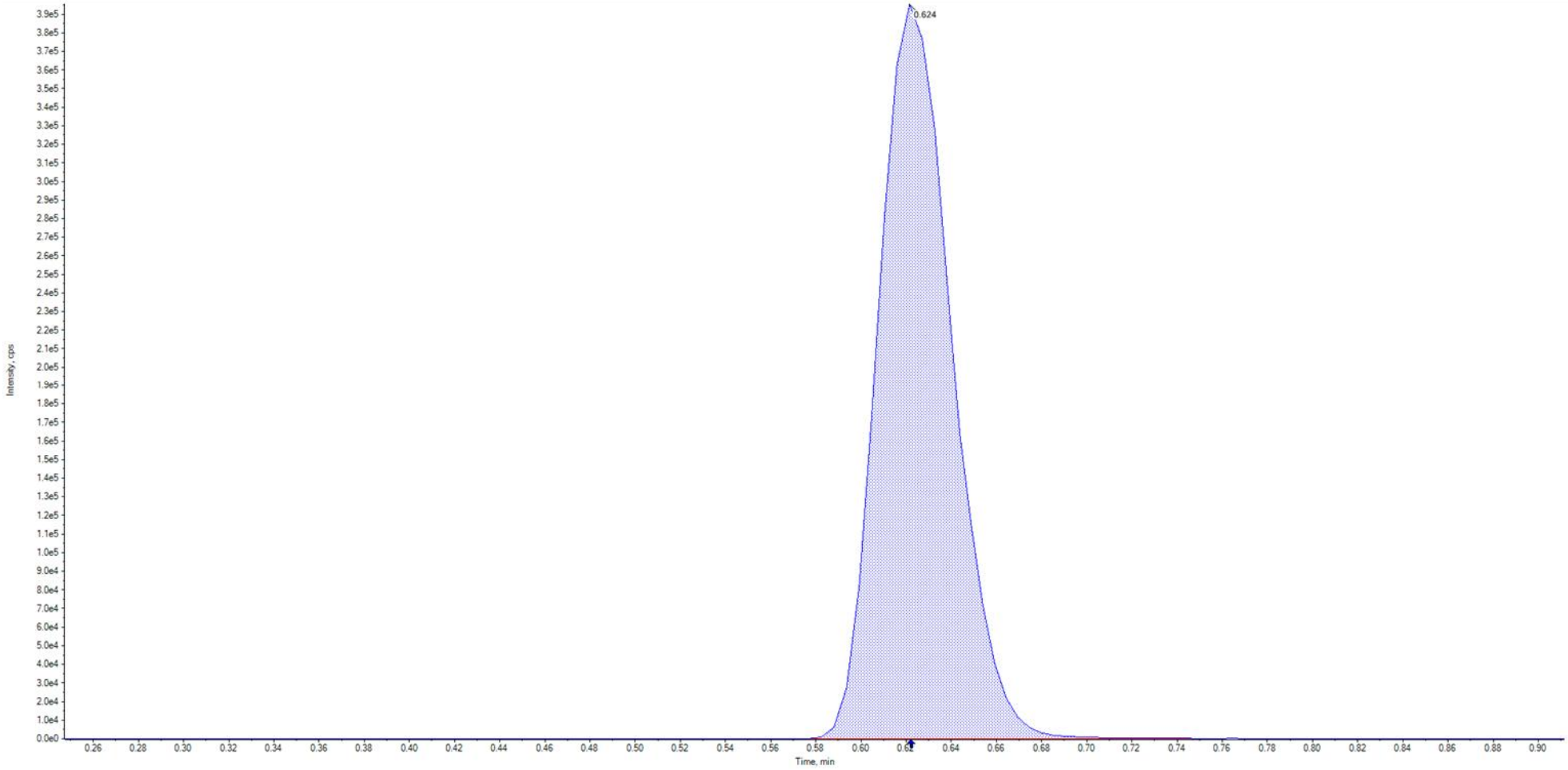


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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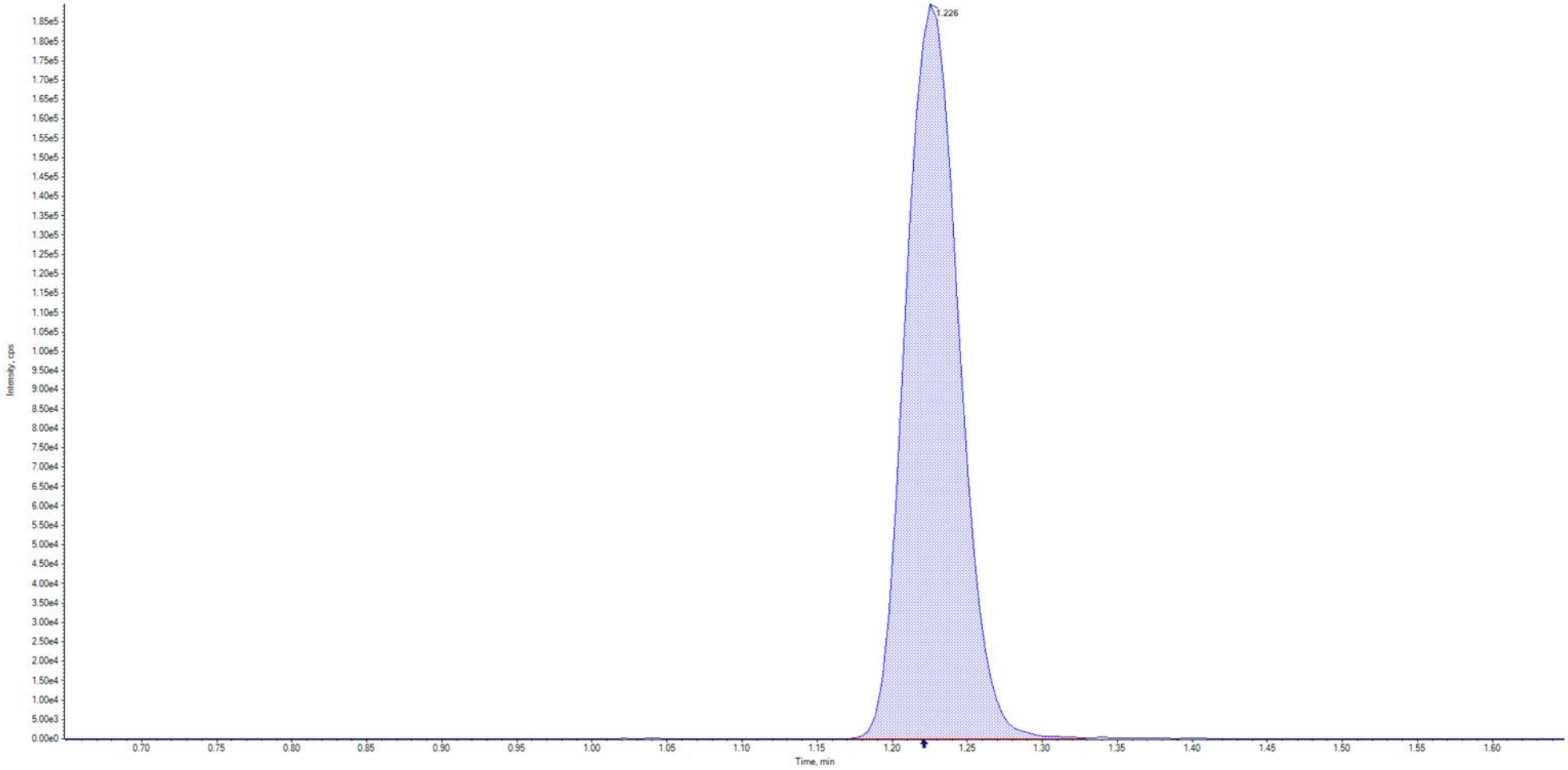
13C2-PFOA
Sample: IA1633STD-50 S/N:5064.1 Points Across peak:31



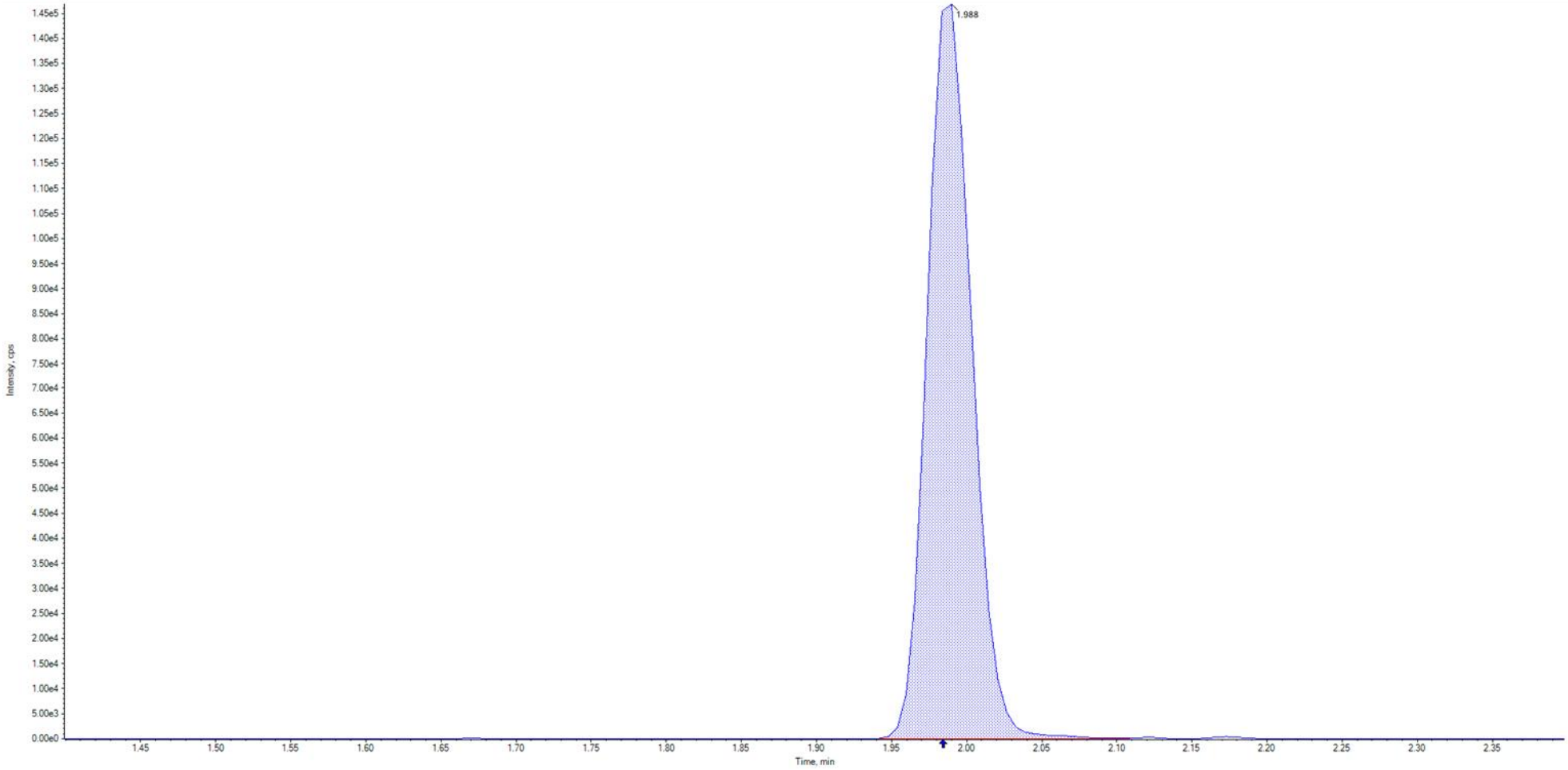
13C4-PFBA
Sample: IA1633STD-50



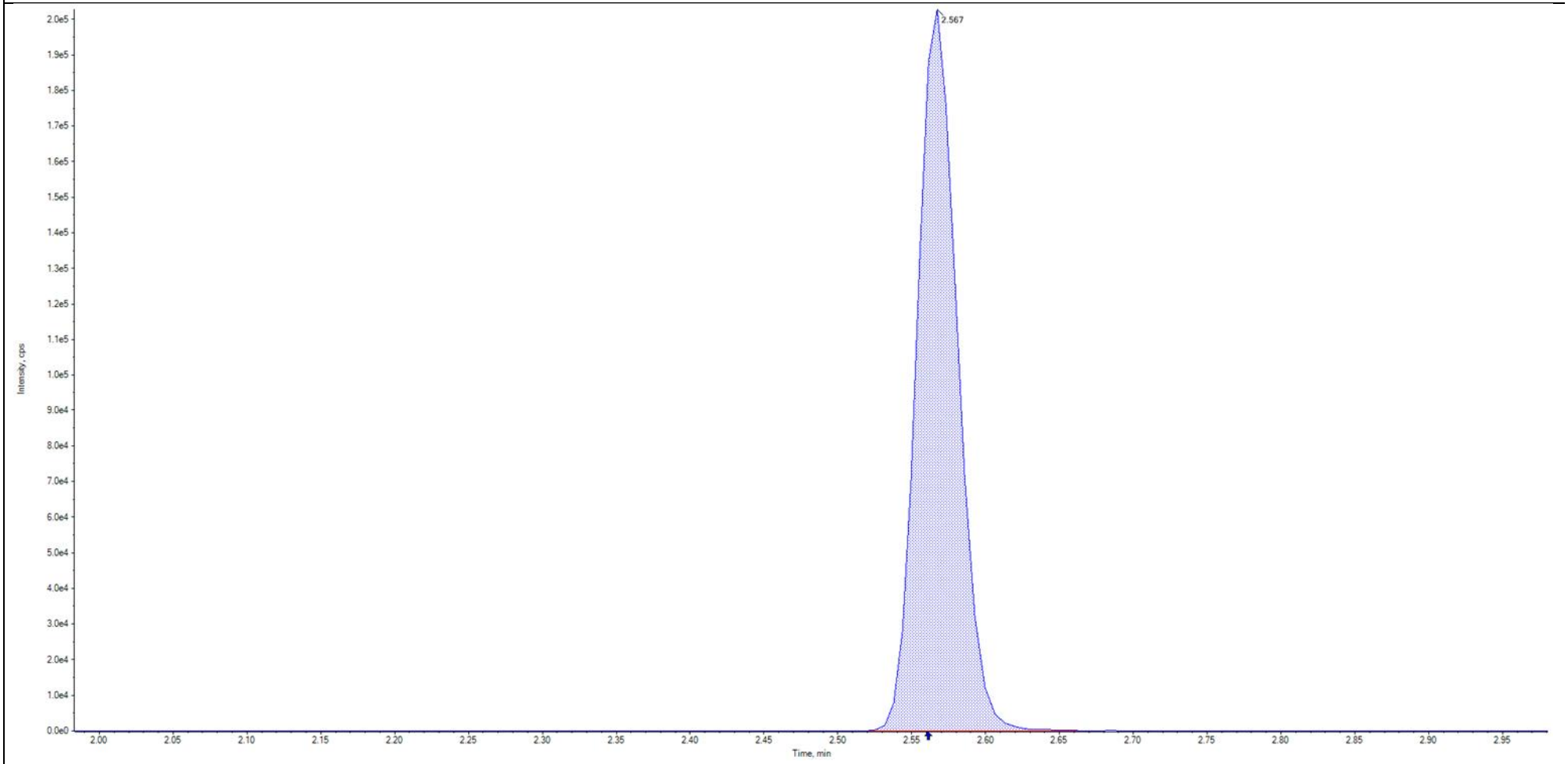
13C5-PFPeA
Sample: IA1633STD-50



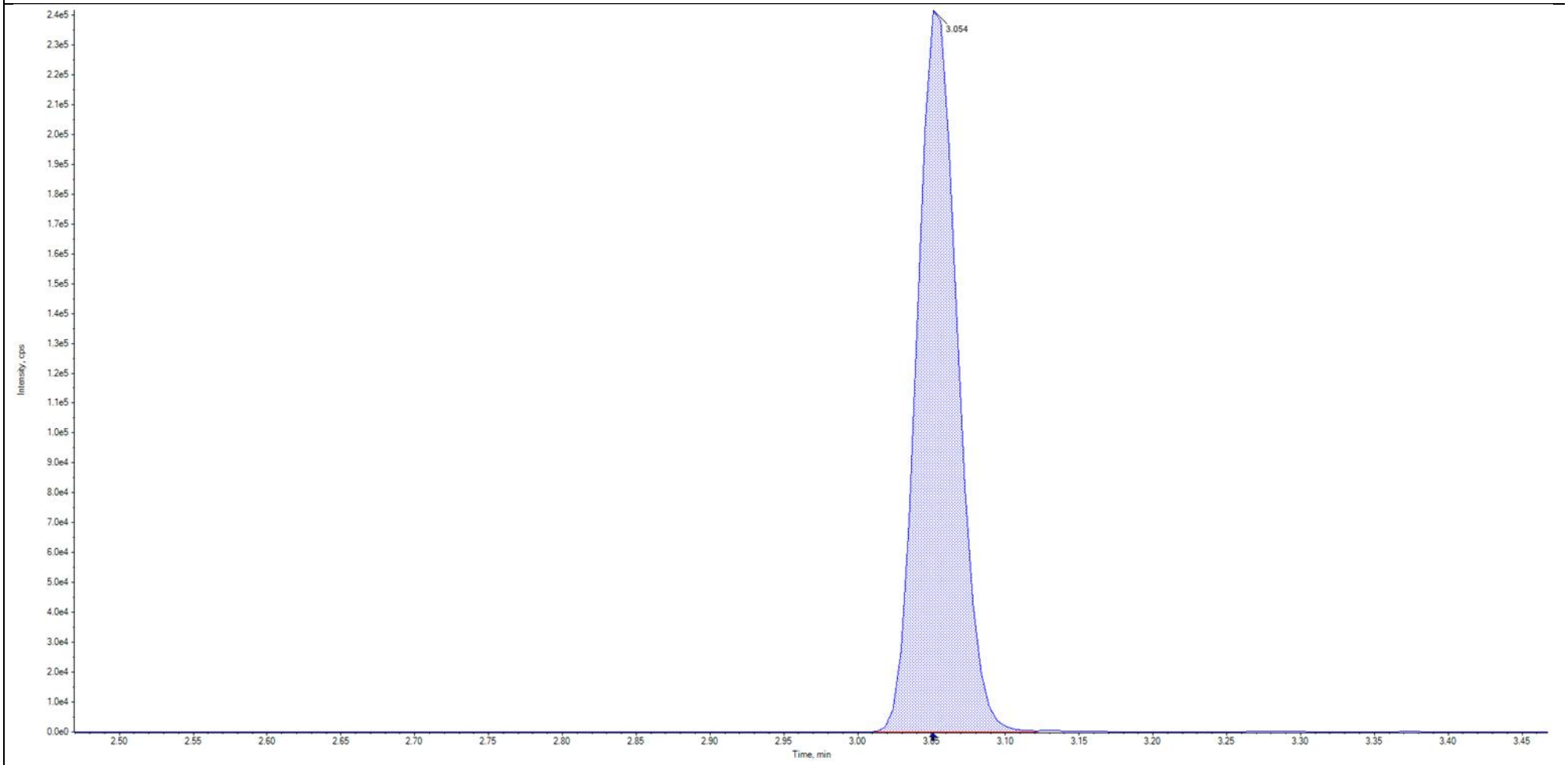
13C5-PFHxA
Sample: IA1633STD-50



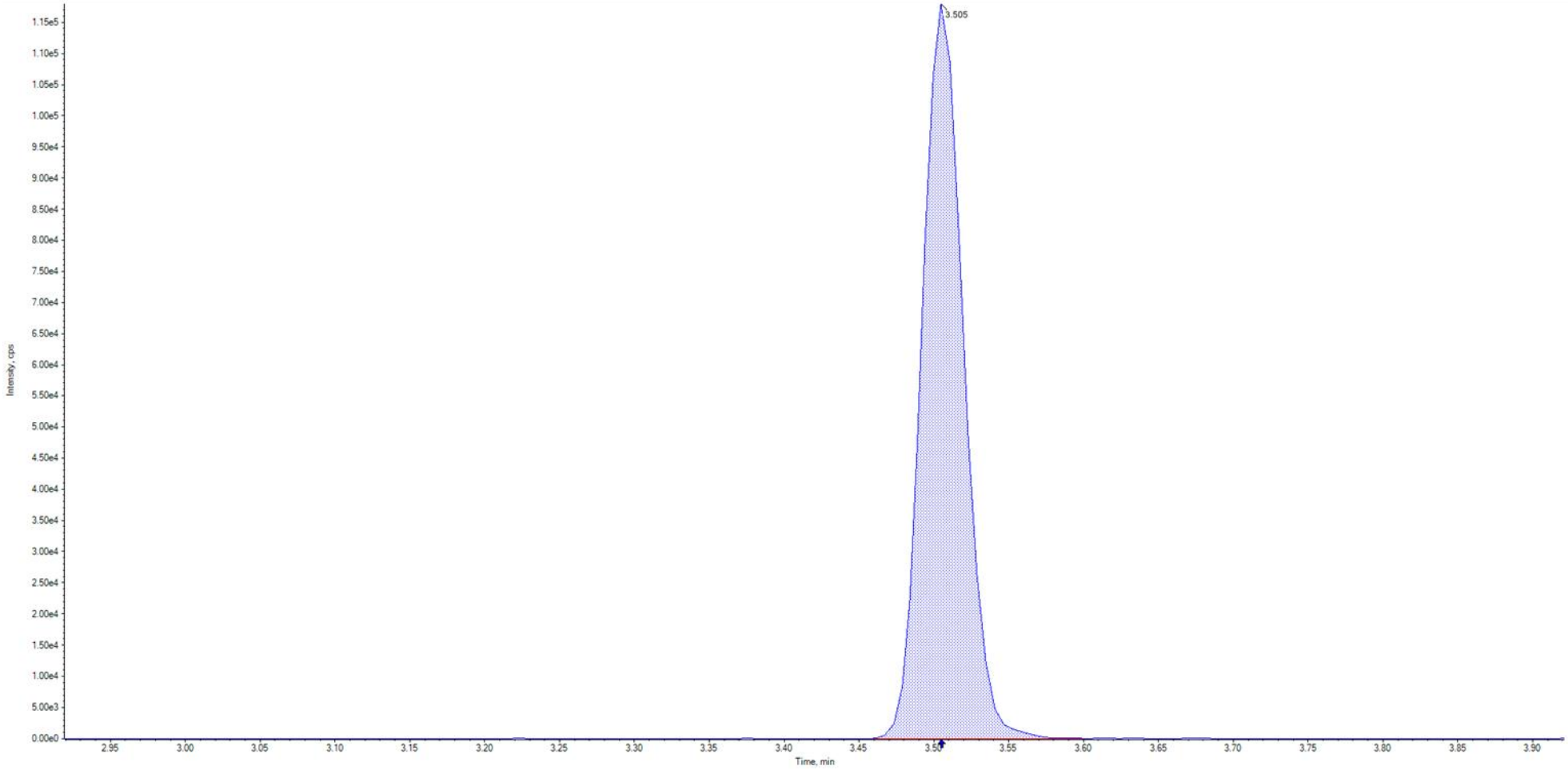
13C4-PFHpA
Sample: IA1633STD-50



13C8-PFOA
Sample: IA1633STD-50

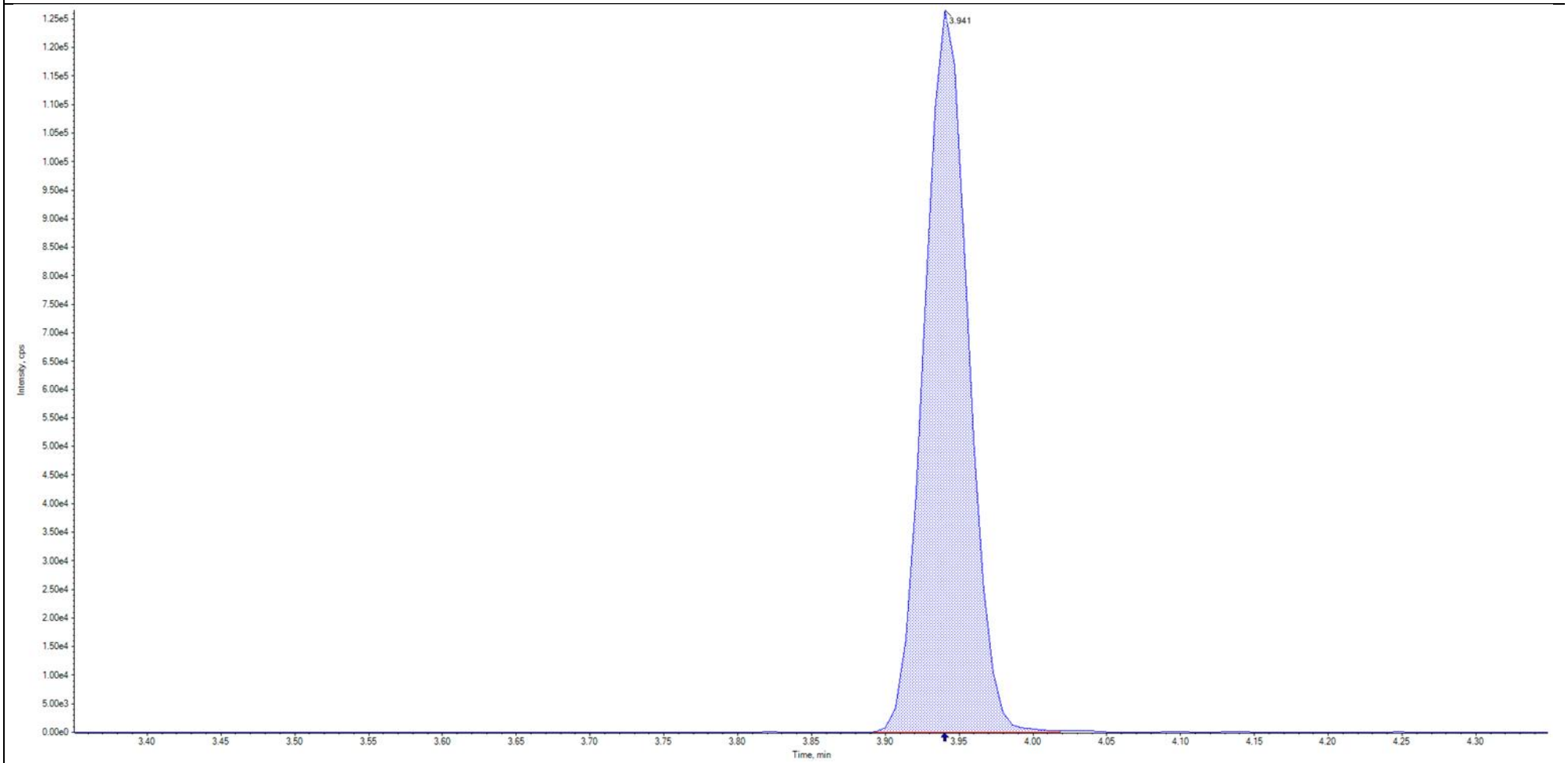


13C9-PFNA
Sample: IA1633STD-50

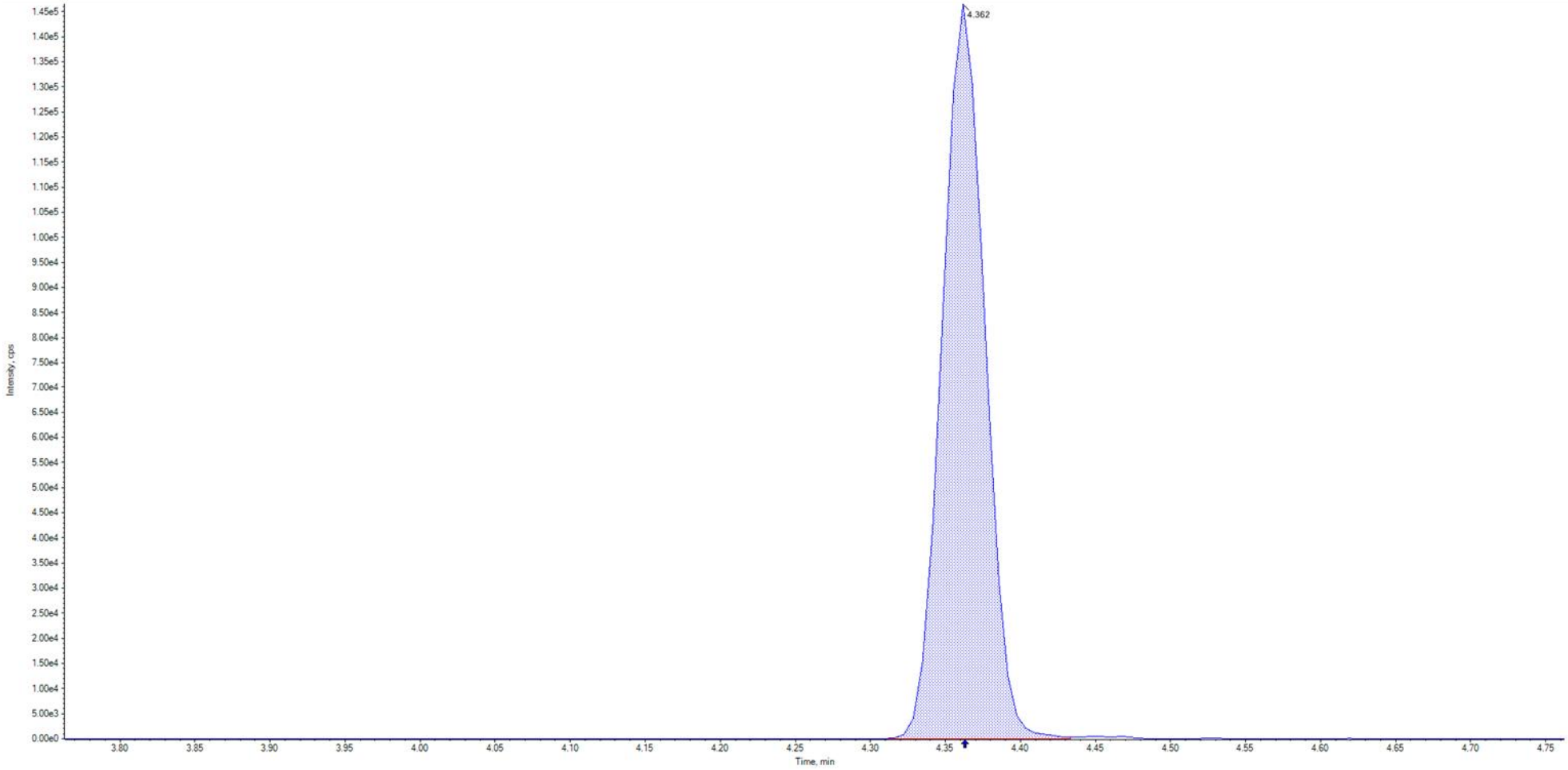


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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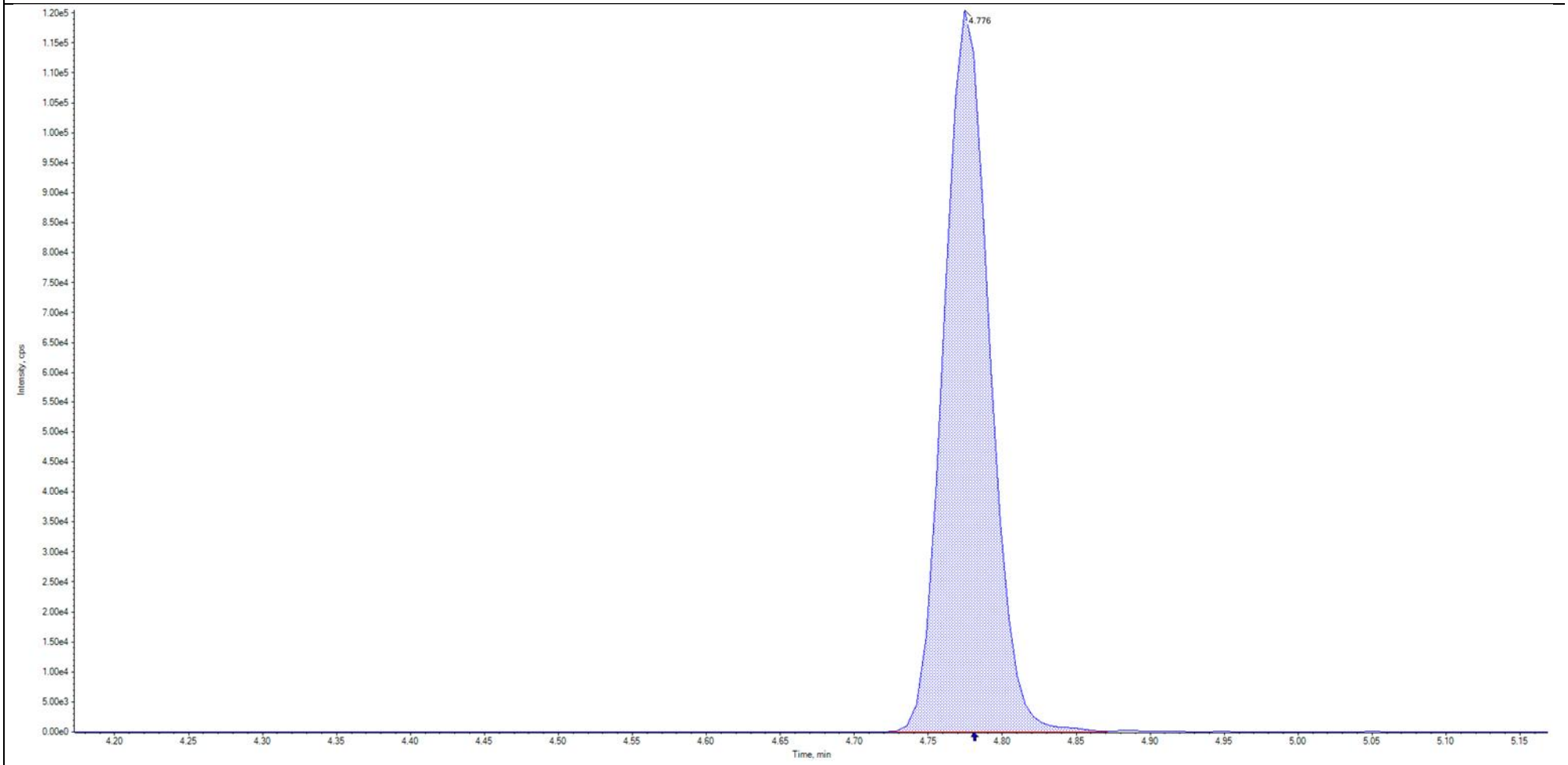
13C6-PFDA
Sample: IA1633STD-50



13C7-PFUnA
Sample: IA1633STD-50

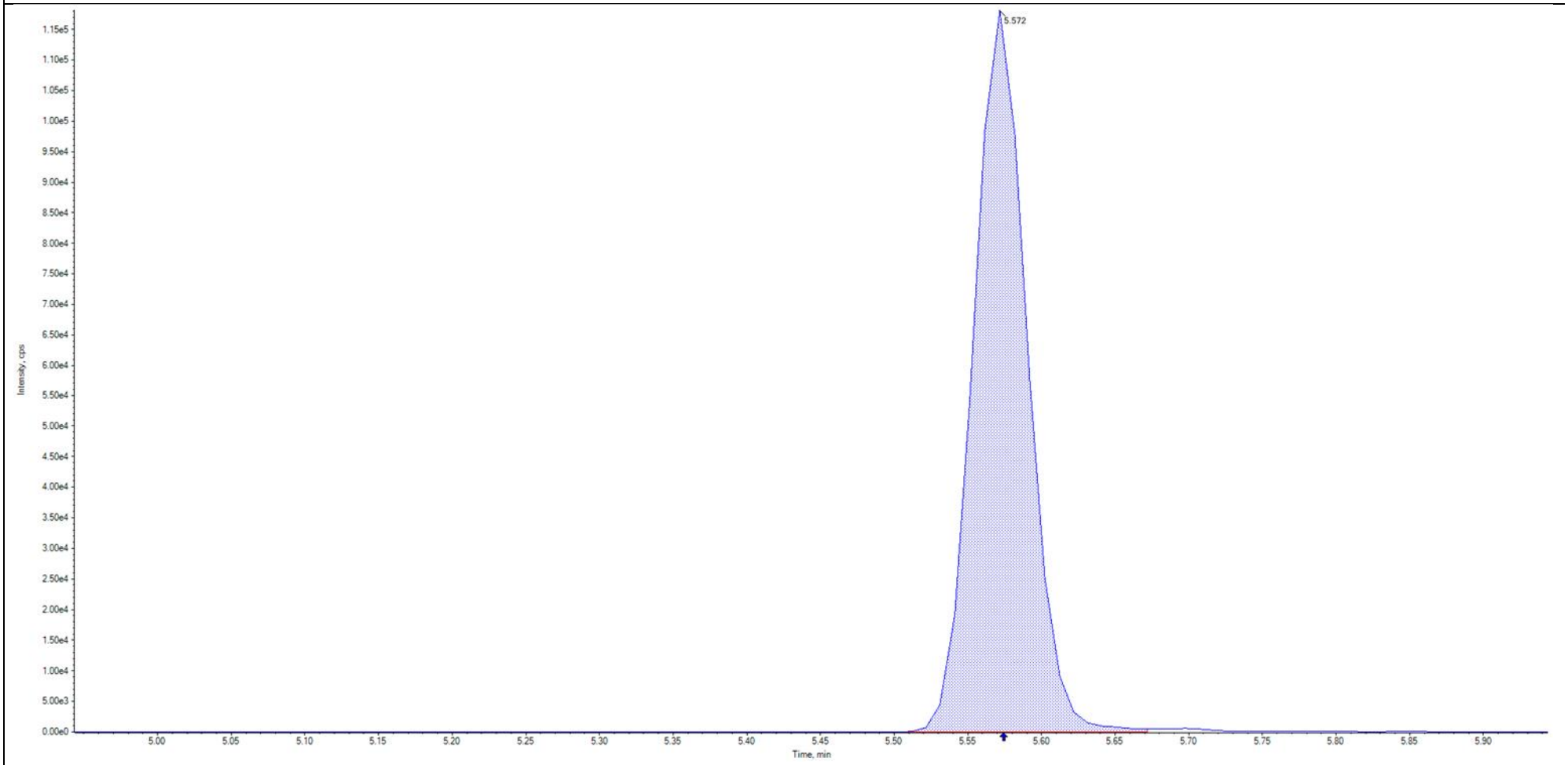


13C2-PFDoA
Sample: IA1633STD-50

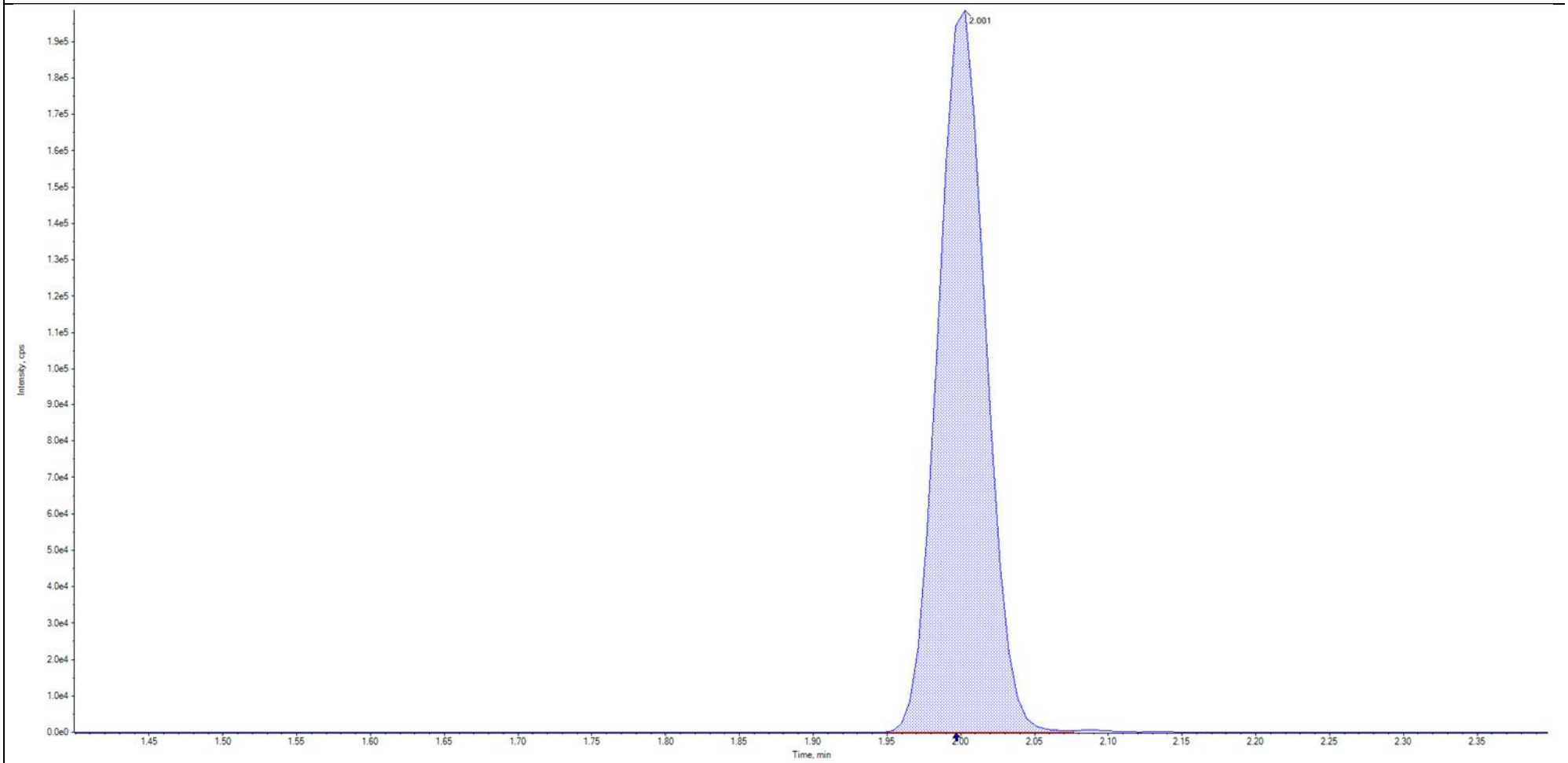


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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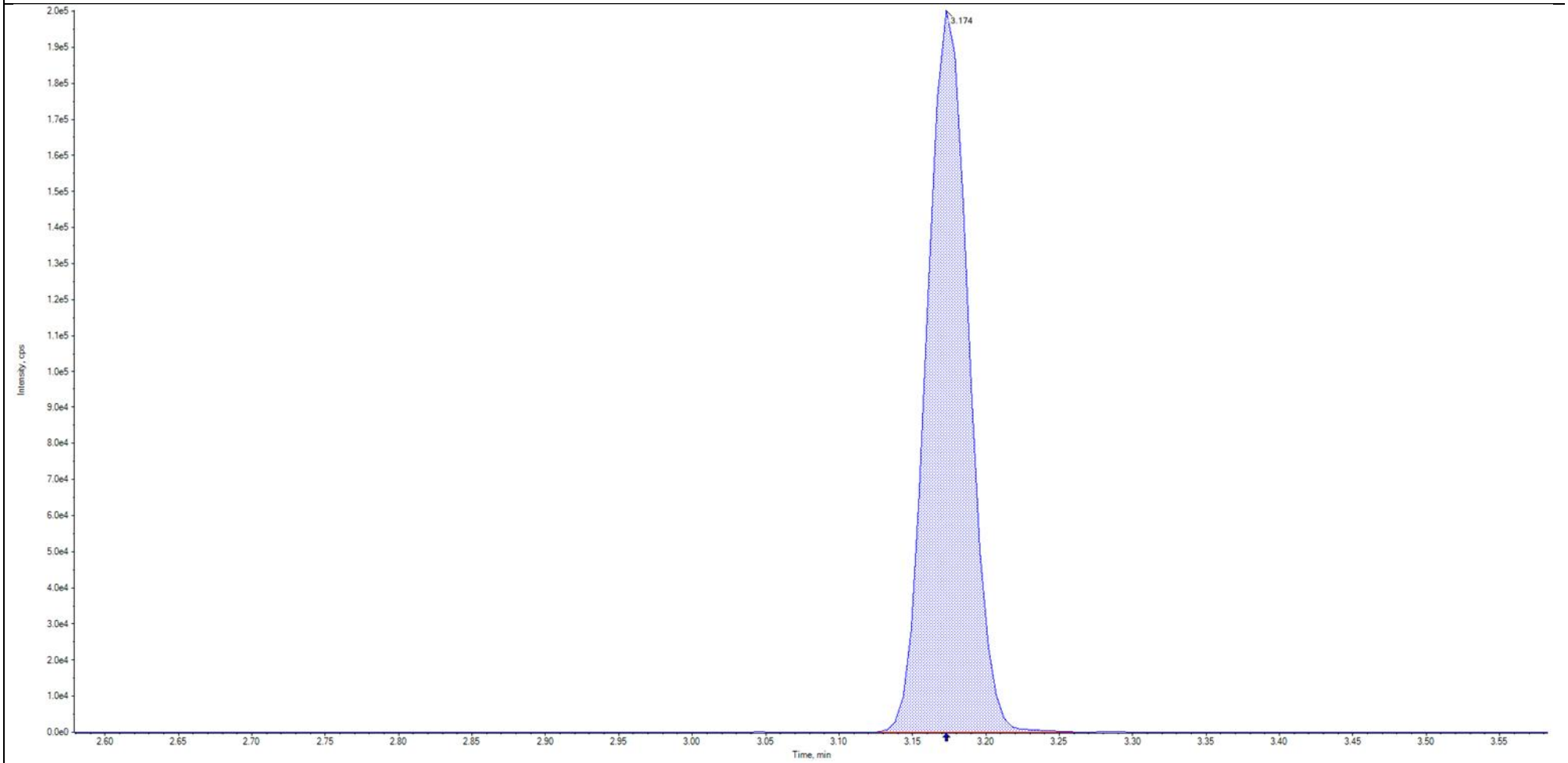
13C2-PFTeDA
Sample: IA1633STD-50



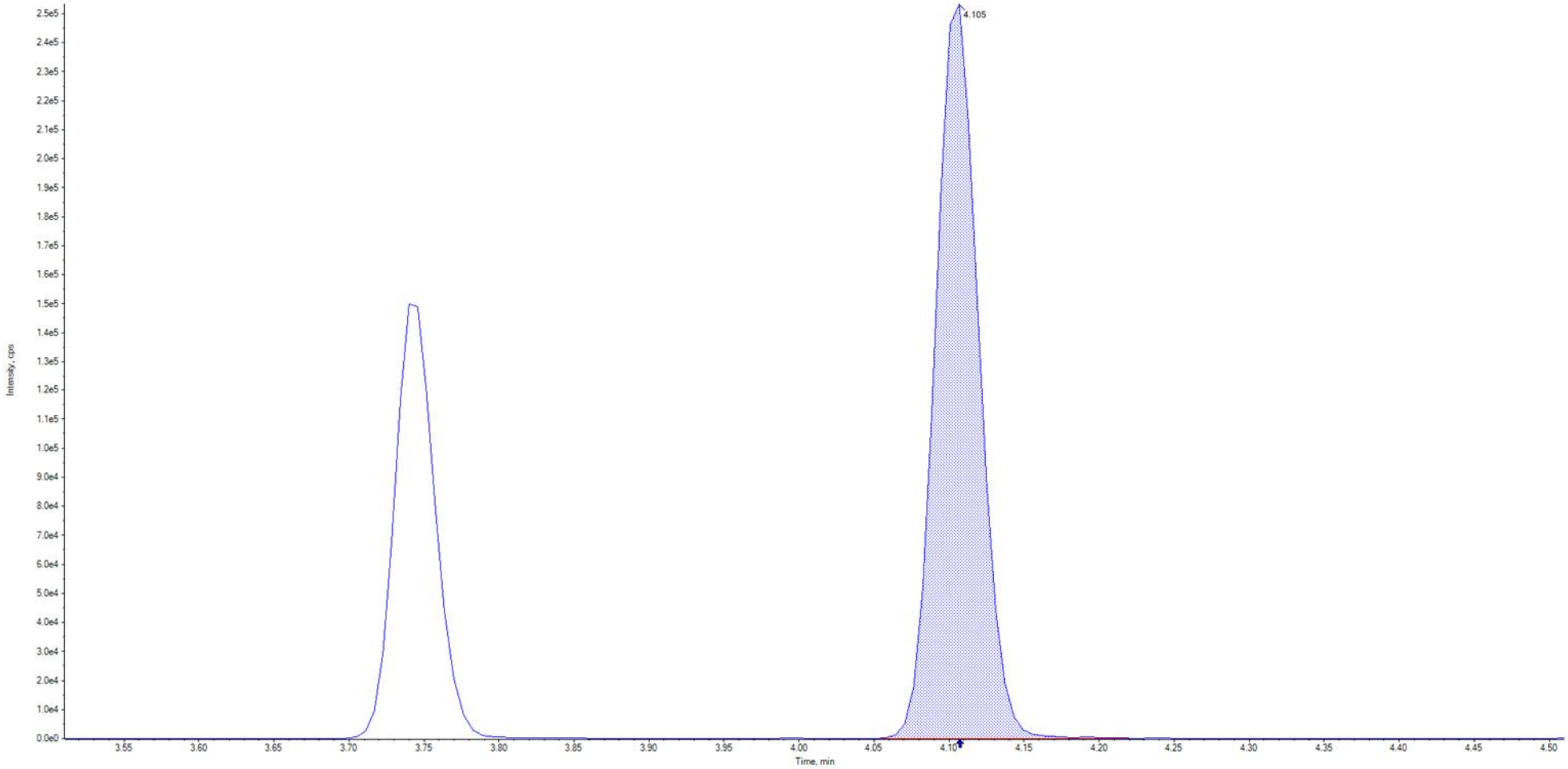
13C3-PFBS
Sample: IA1633STD-50



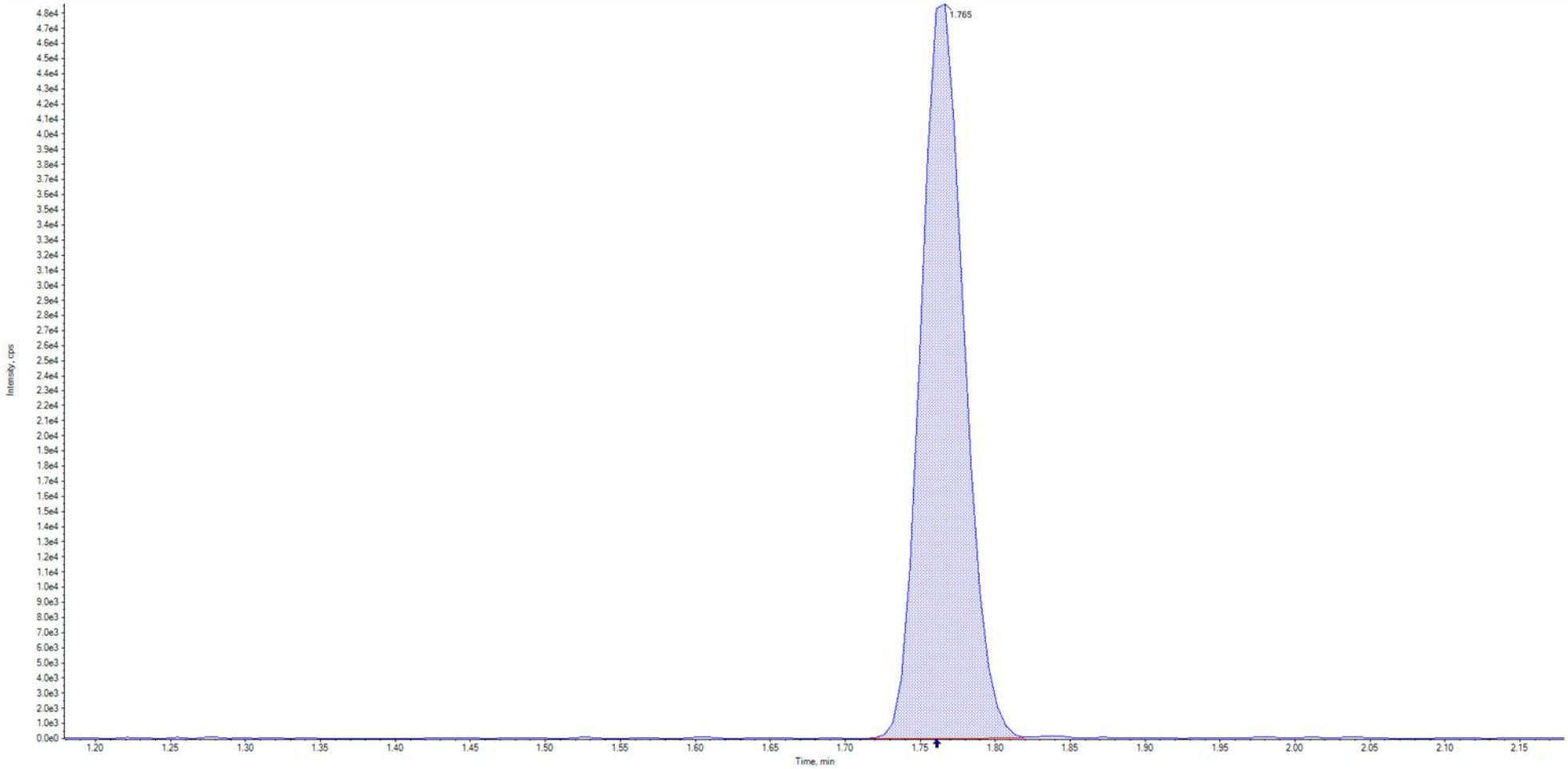
13C3-PFHxS
Sample: IA1633STD-50



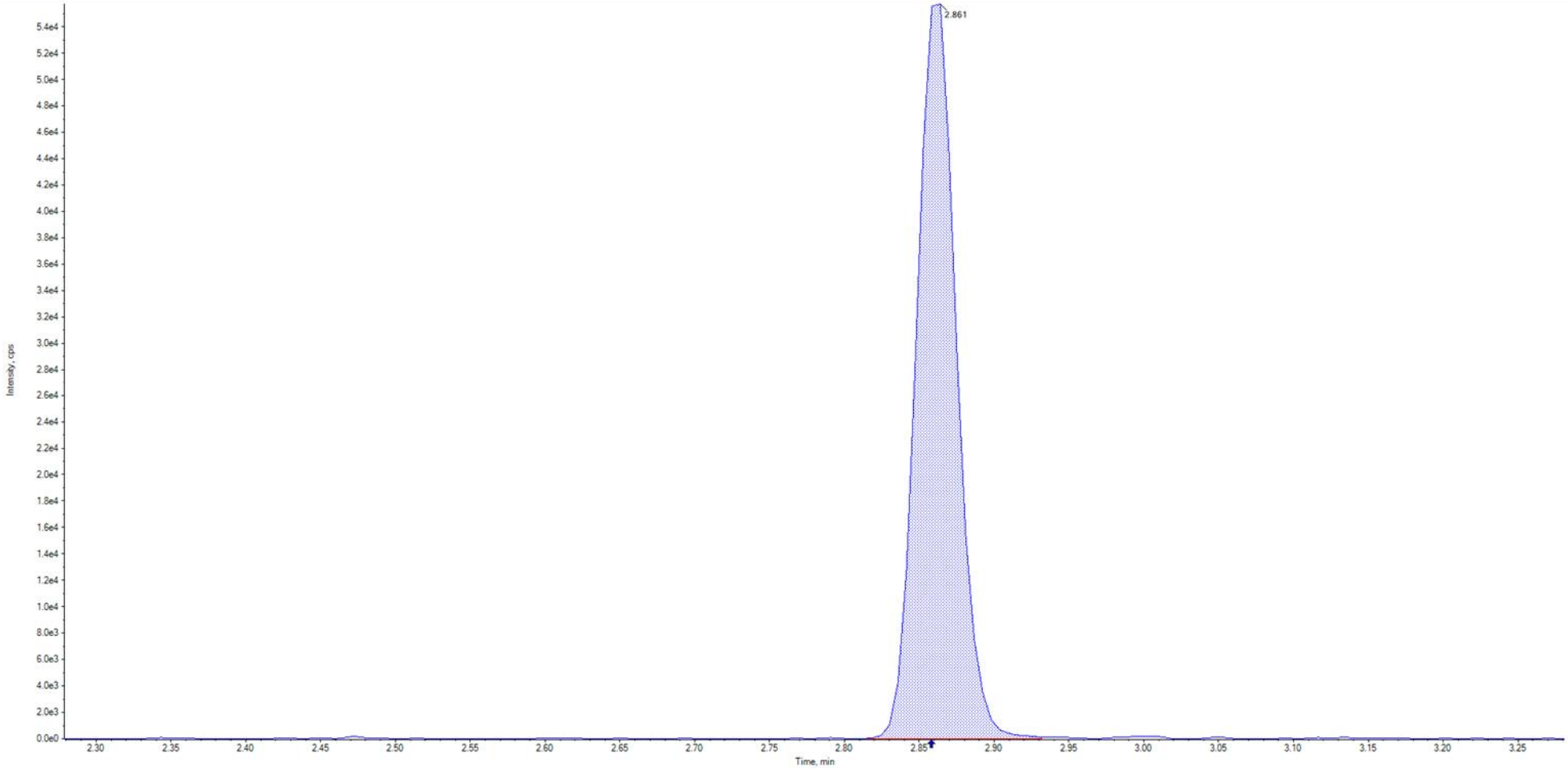
13C8-PFOS
Sample: IA1633STD-50



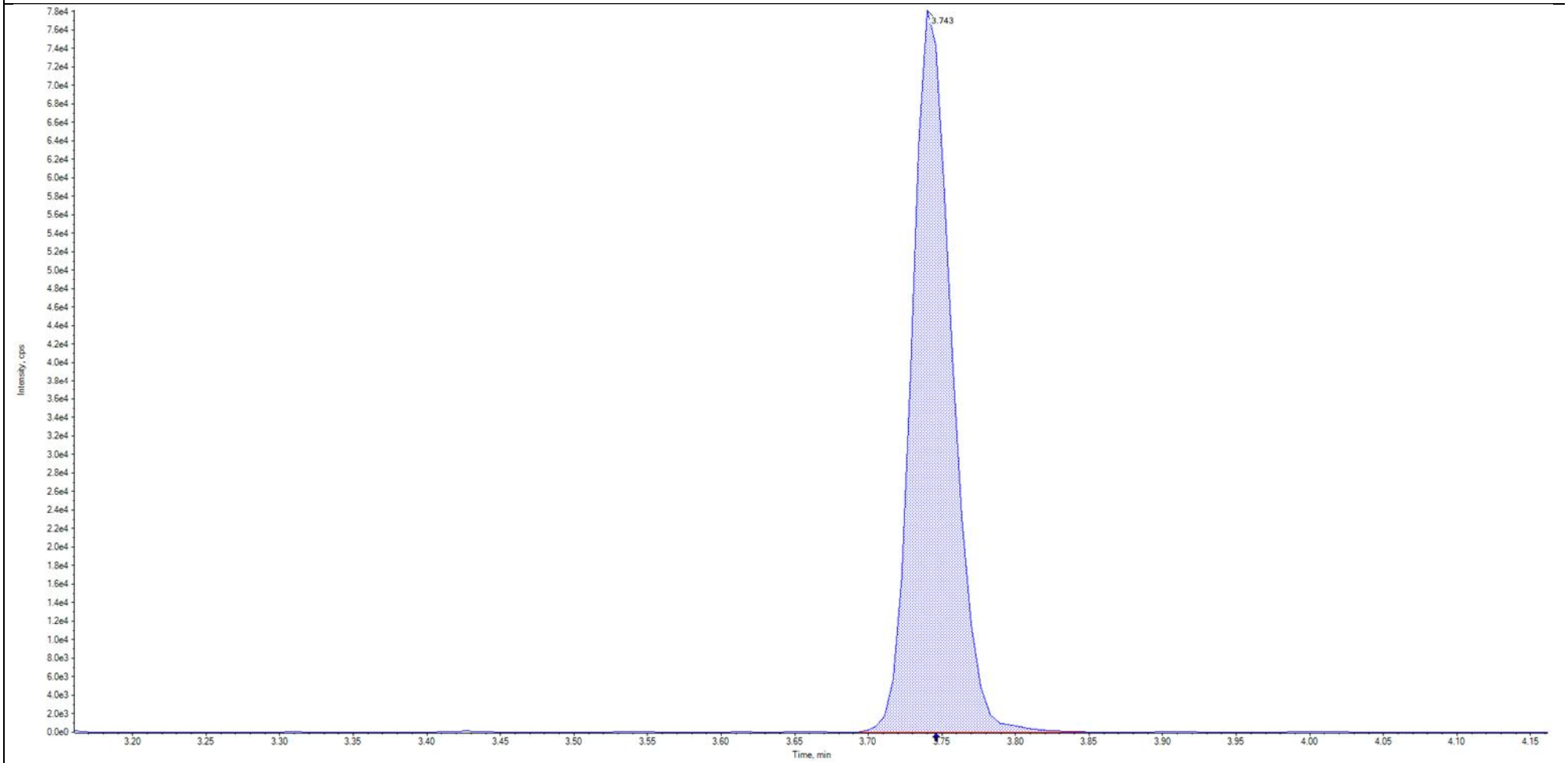
13C2-4:2FTS
Sample: IA1633STD-50



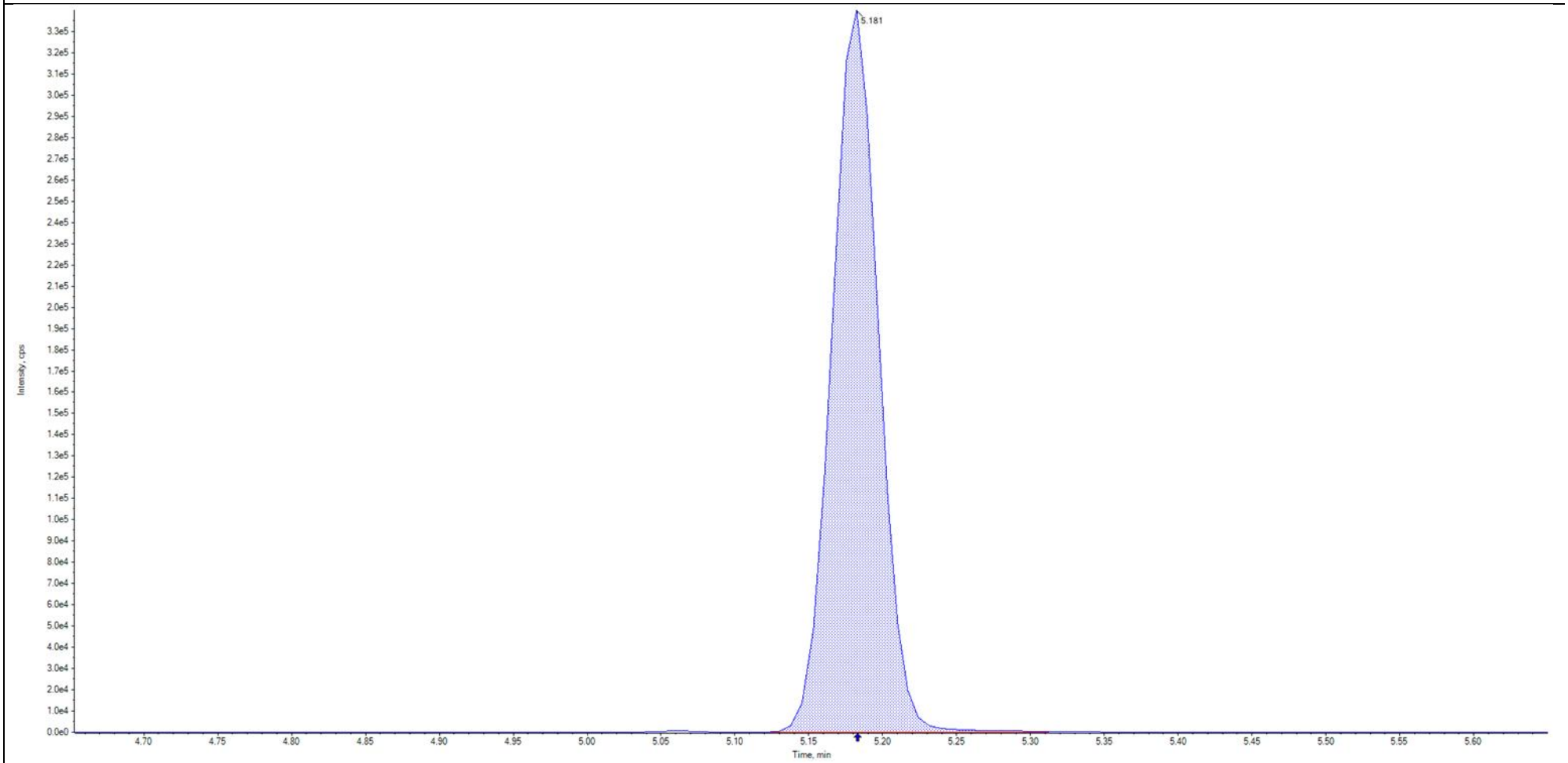
13C2-6:2FTS
Sample: IA1633STD-50



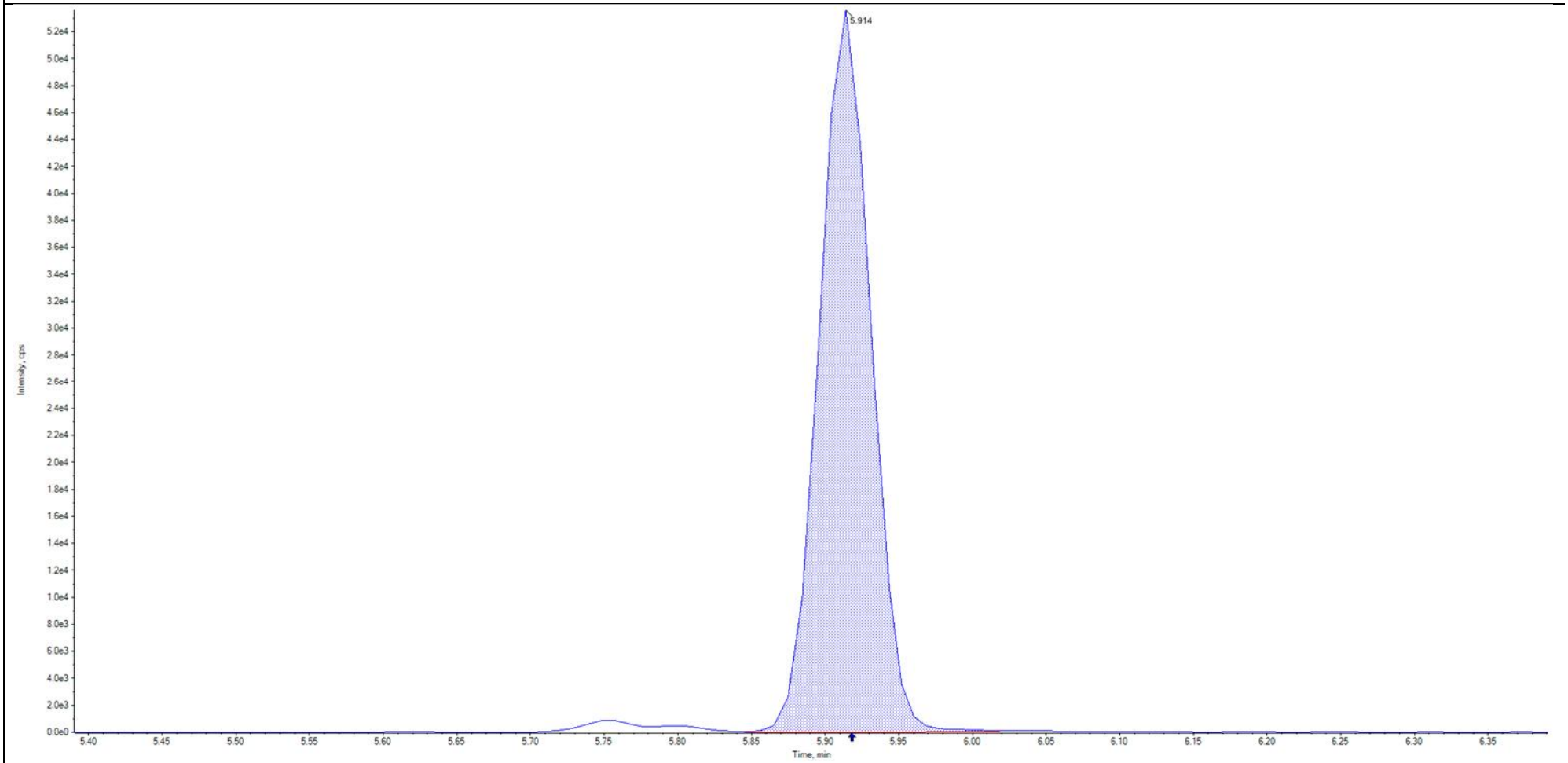
13C2-8:2FTS
Sample: IA1633STD-50



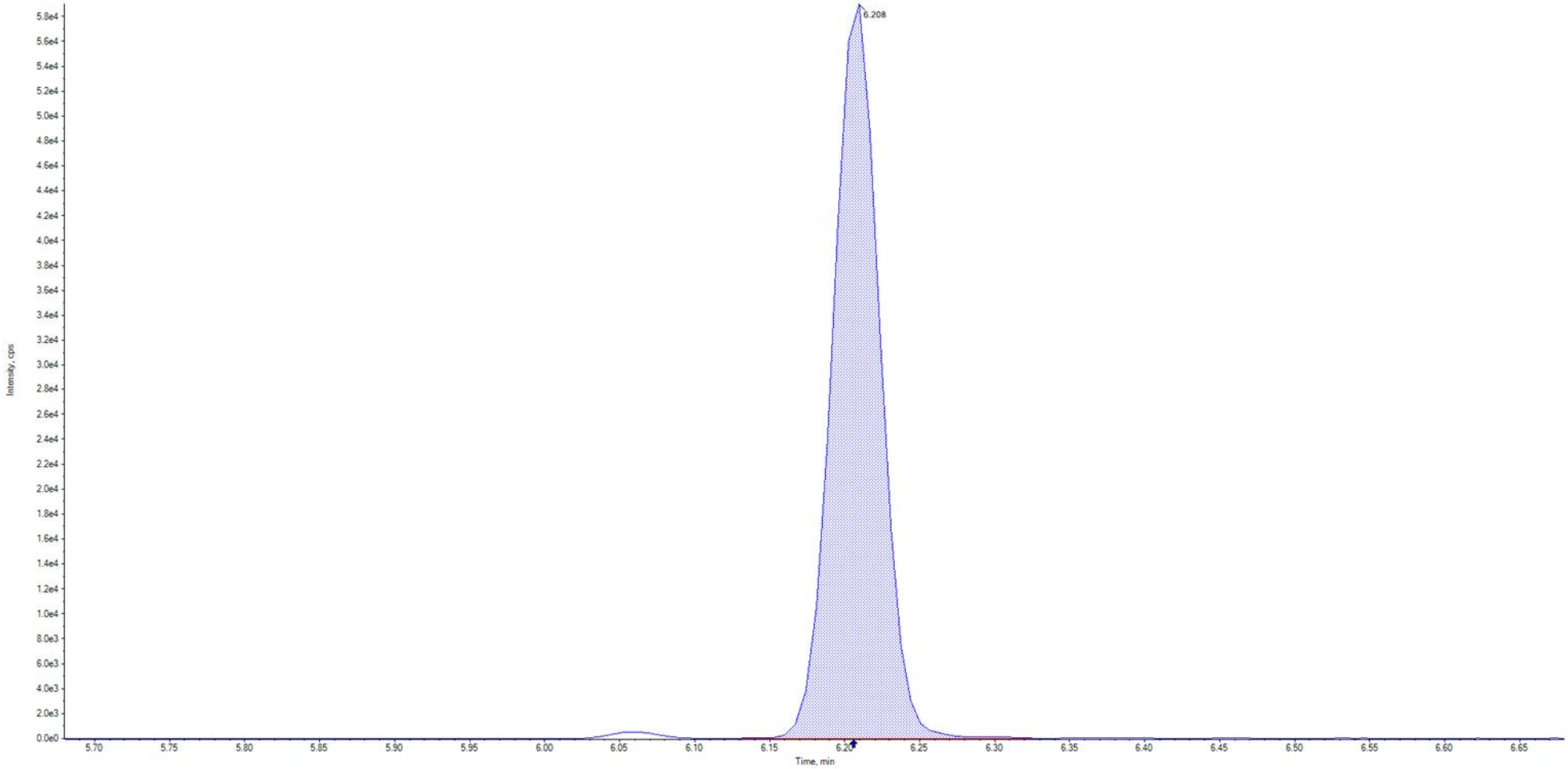
13C8-PFOSA
Sample: IA1633STD-50



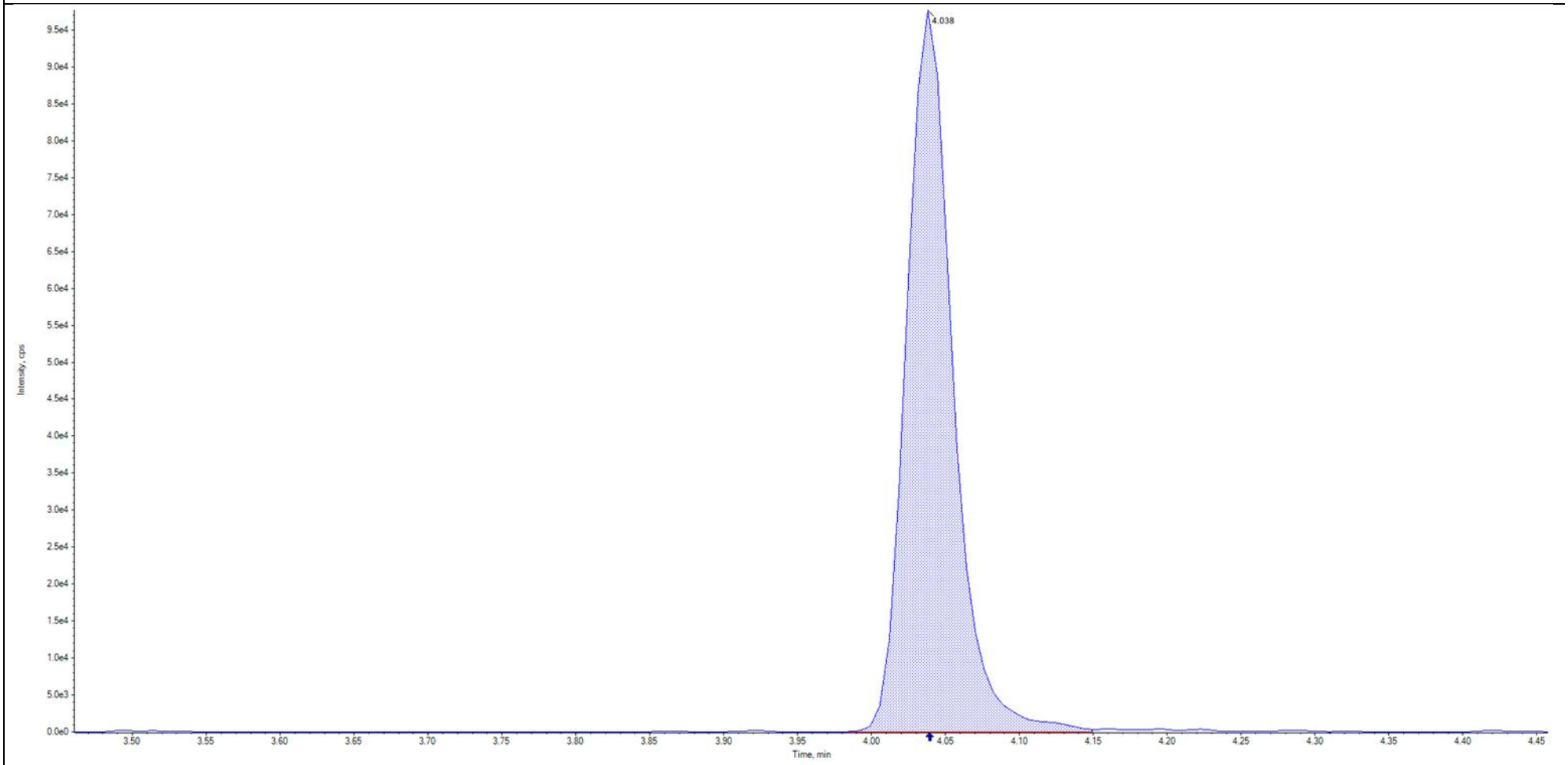
d3-NMeFOSA
Sample: IA1633STD-50



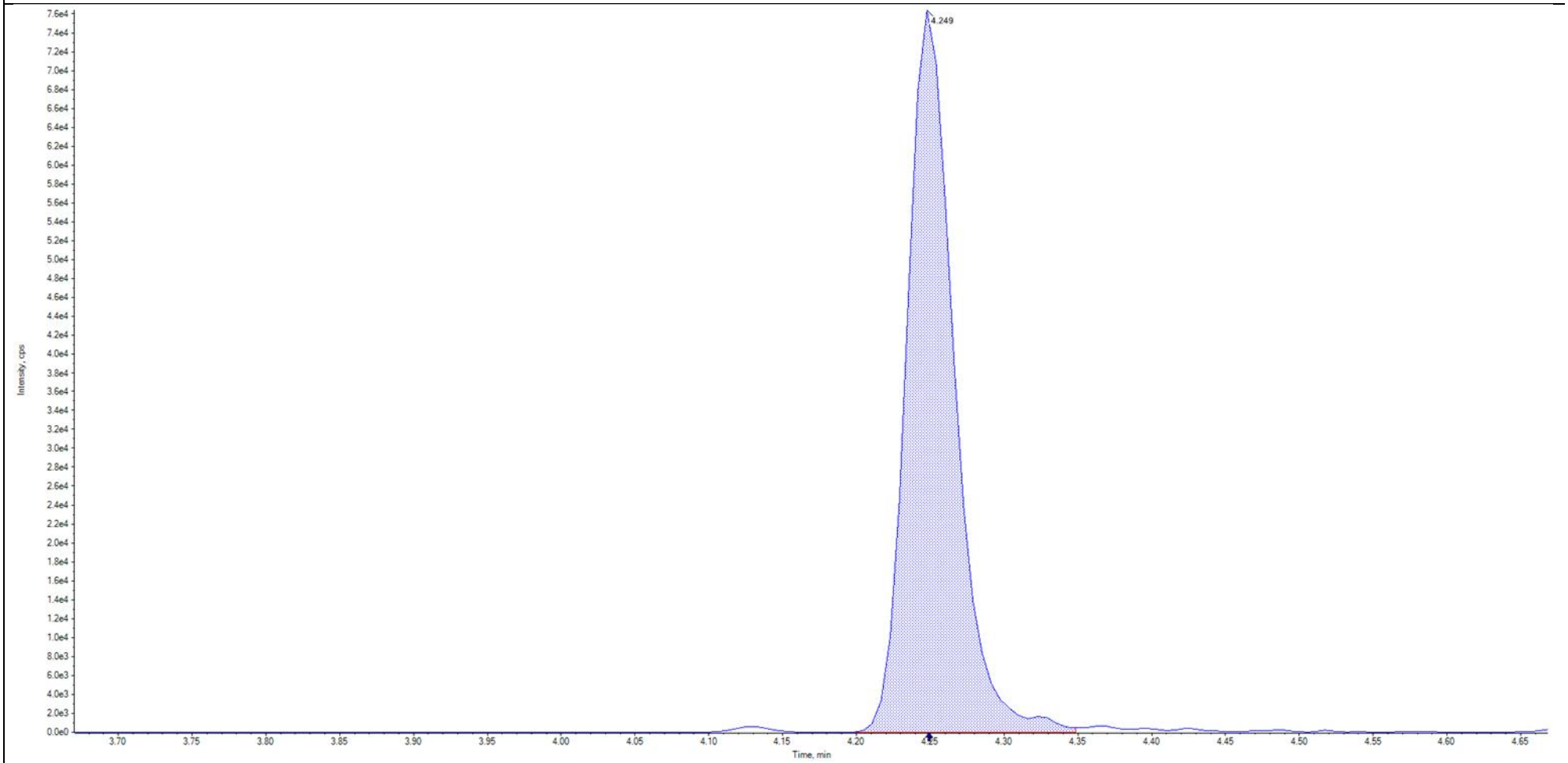
d5-NEtFOSA
Sample: IA1633STD-50



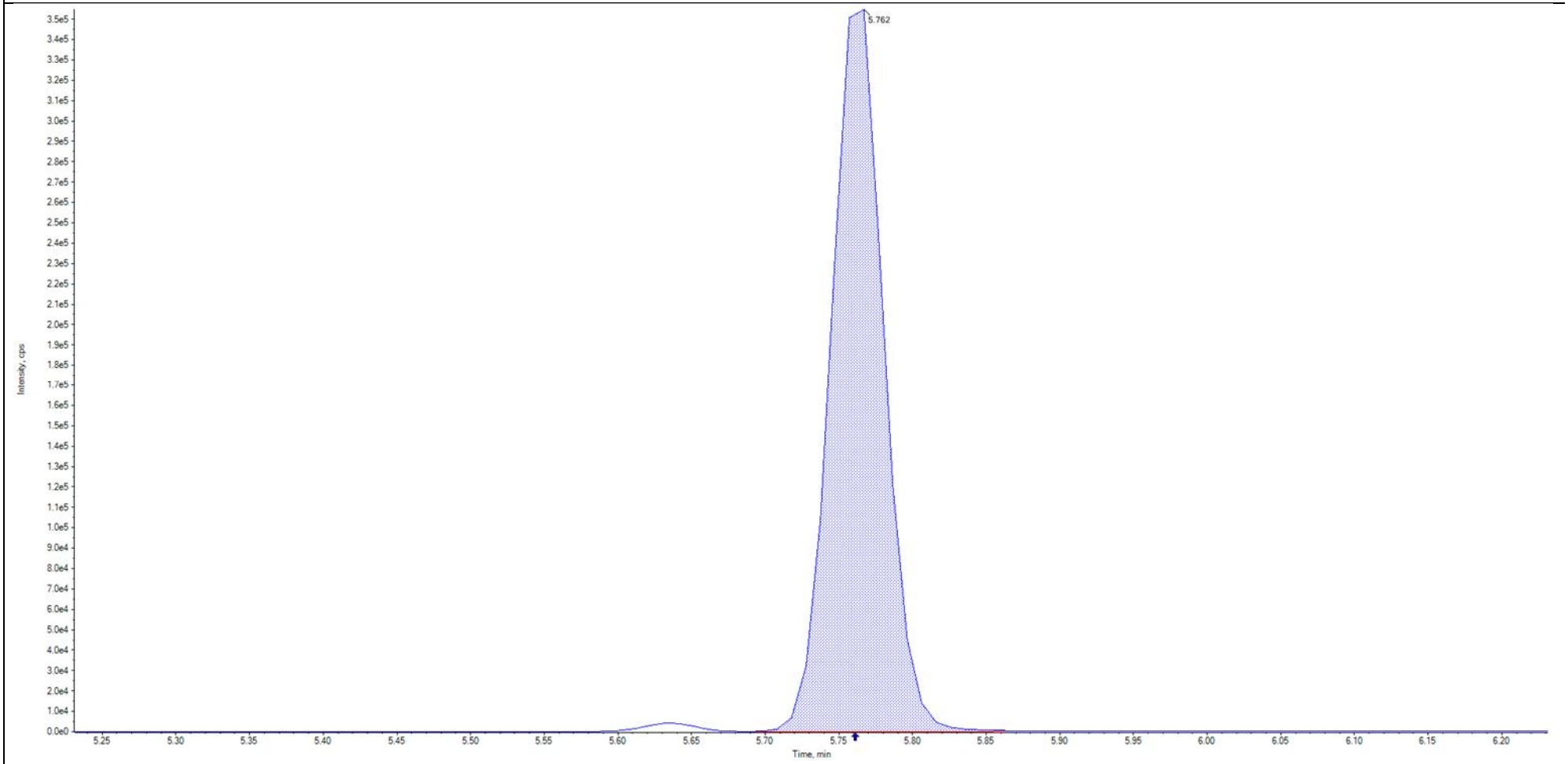
d3-NMeFOSAA
Sample: IA1633STD-50



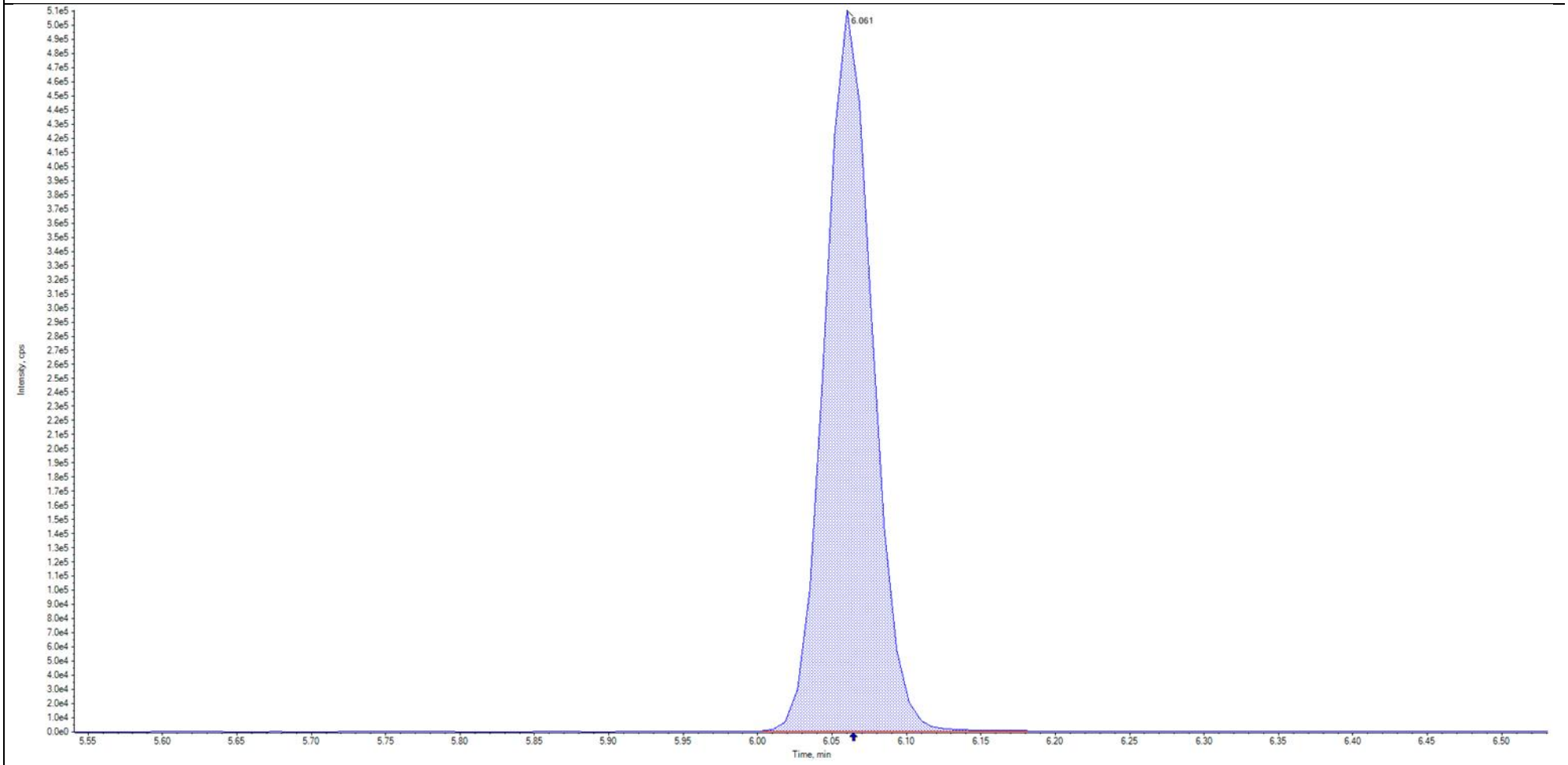
d5-NEtFOSAA
Sample: IA1633STD-50



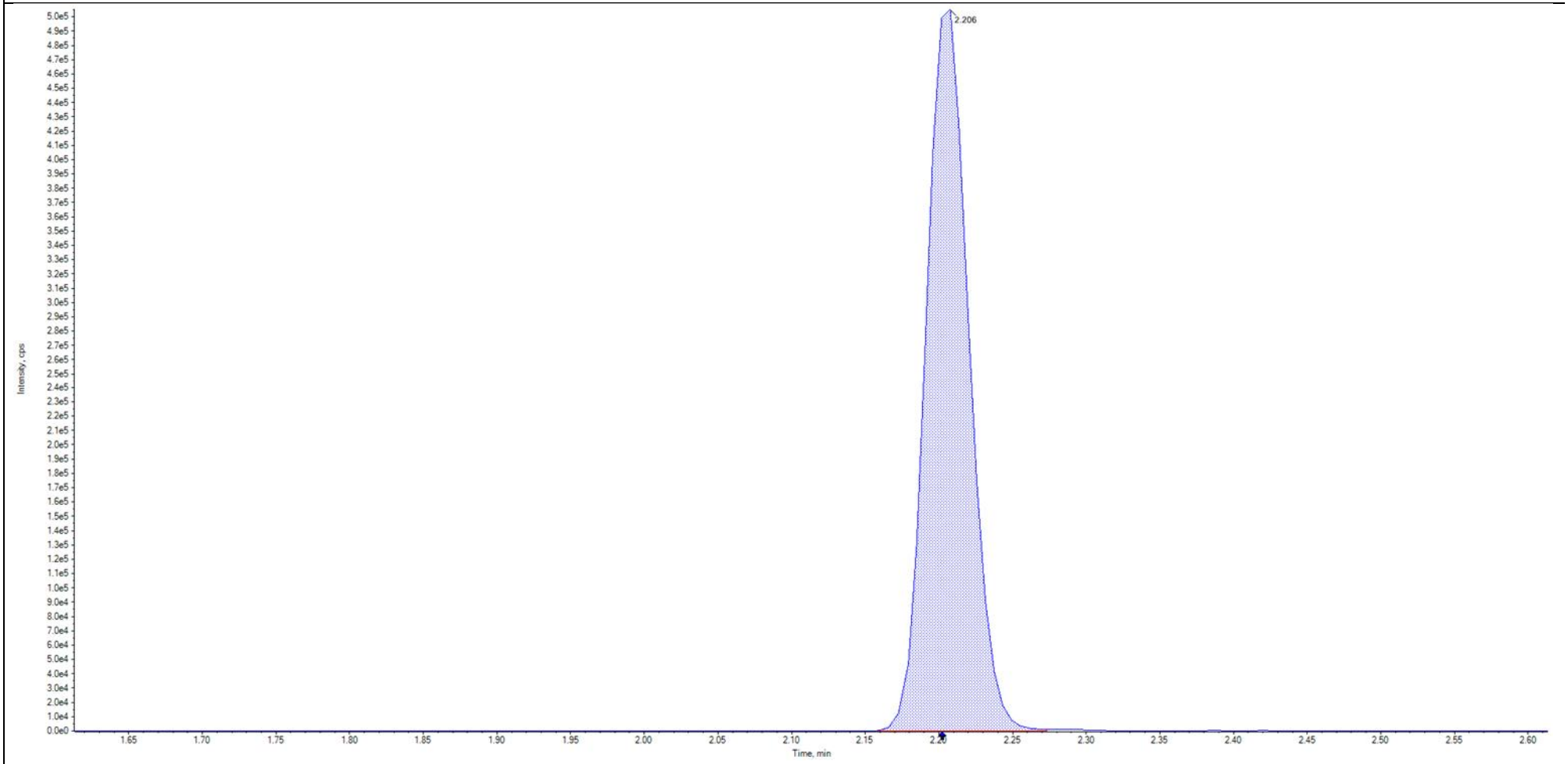
d7-NMeFOSE
Sample: IA1633STD-50



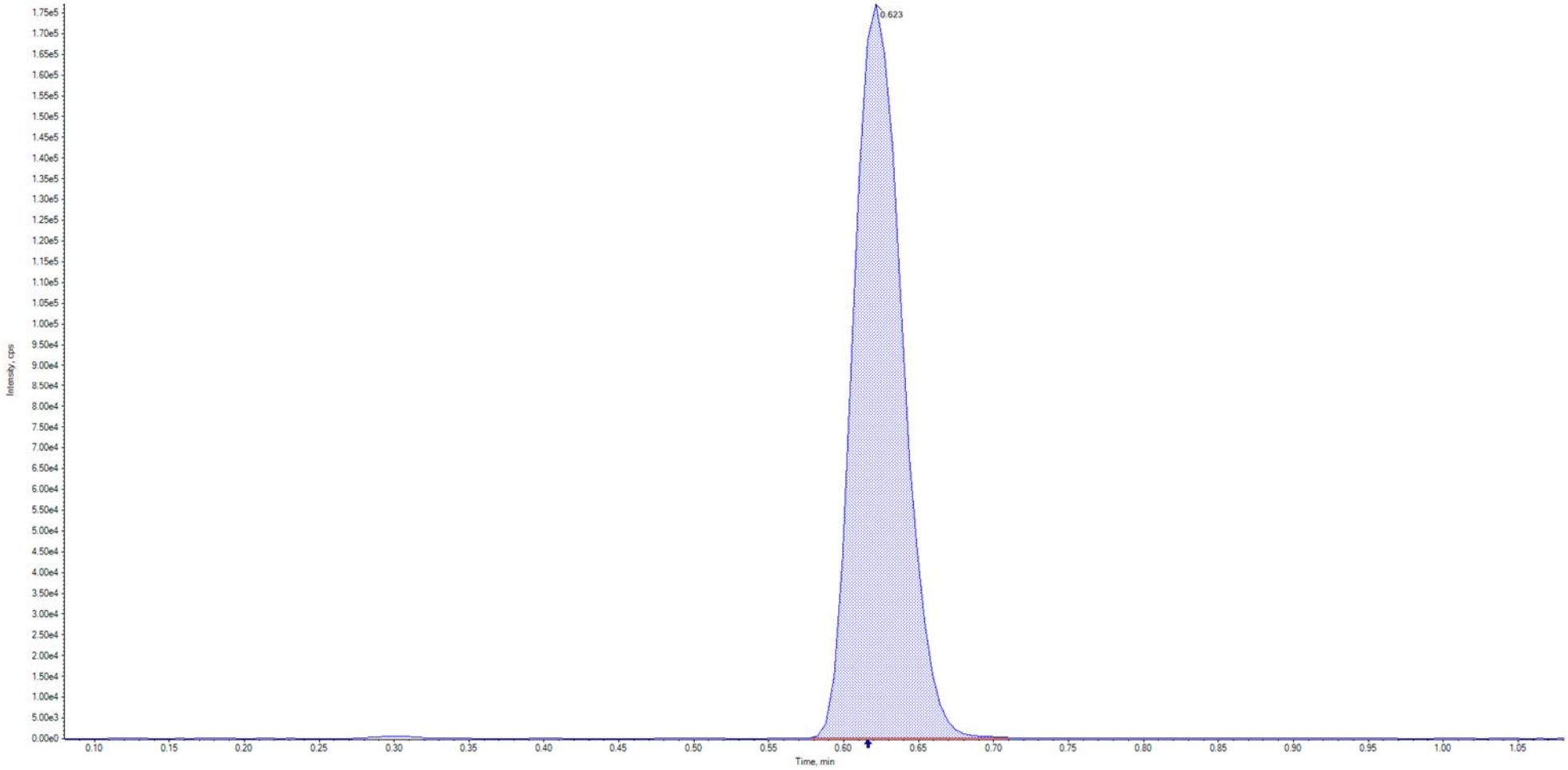
d9-NEtFOSE
Sample: IA1633STD-50



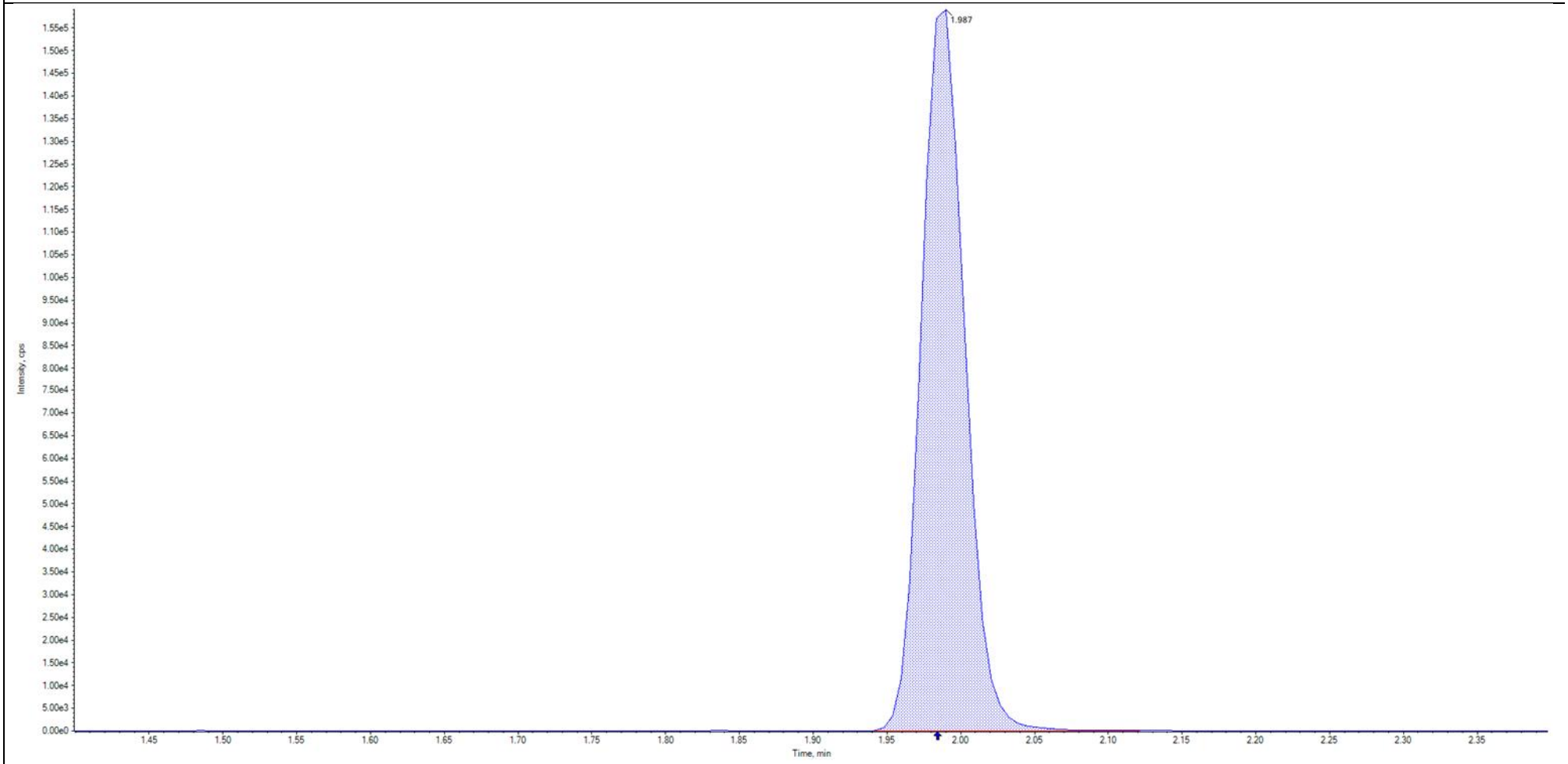
13C3-HFPO-DA
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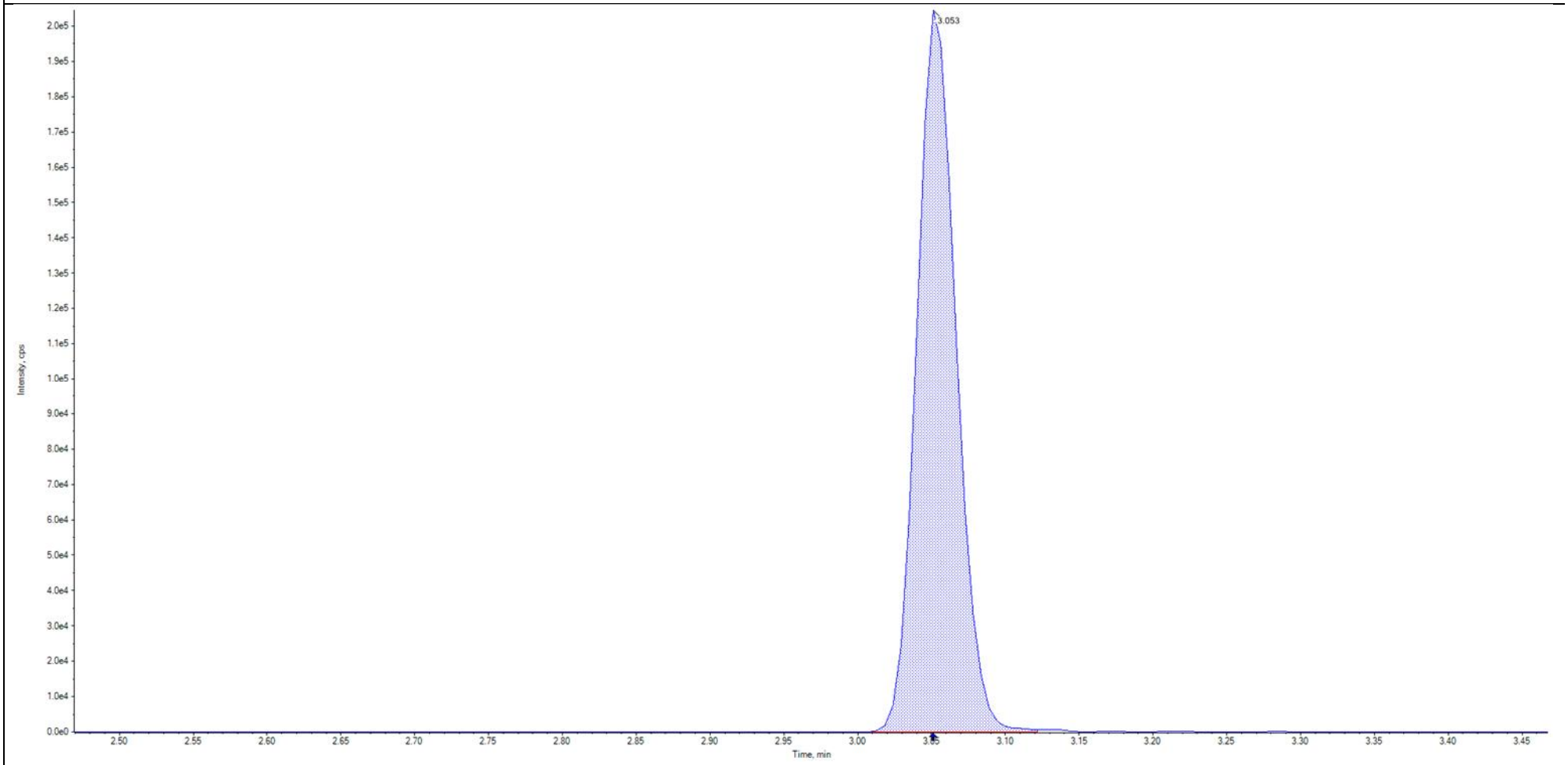
13C3-PFBA
Sample: IA1633STD-50



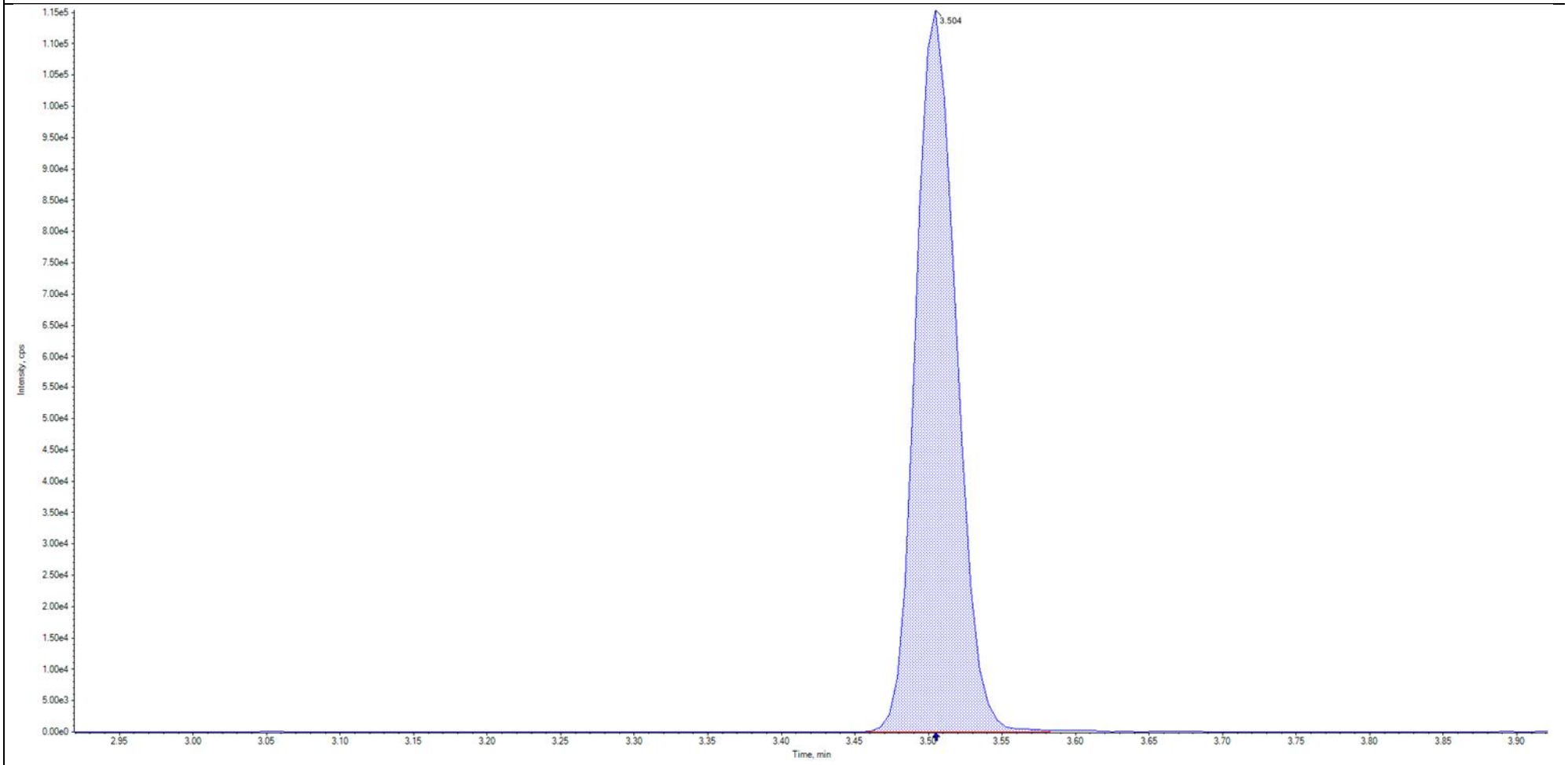
13C2-PFHxA
Sample: IA1633STD-50



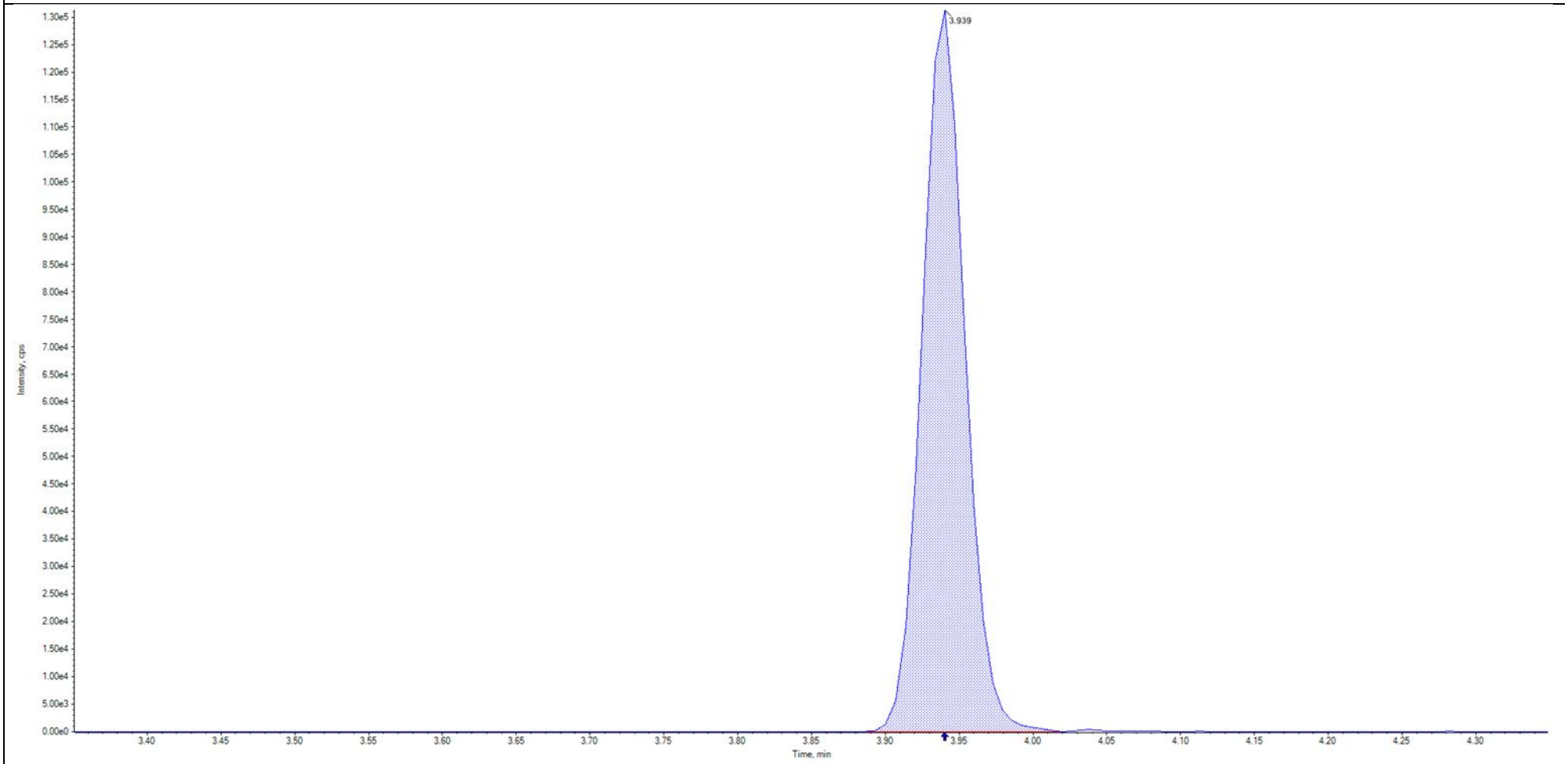
13C4-PFOA
Sample: IA1633STD-50



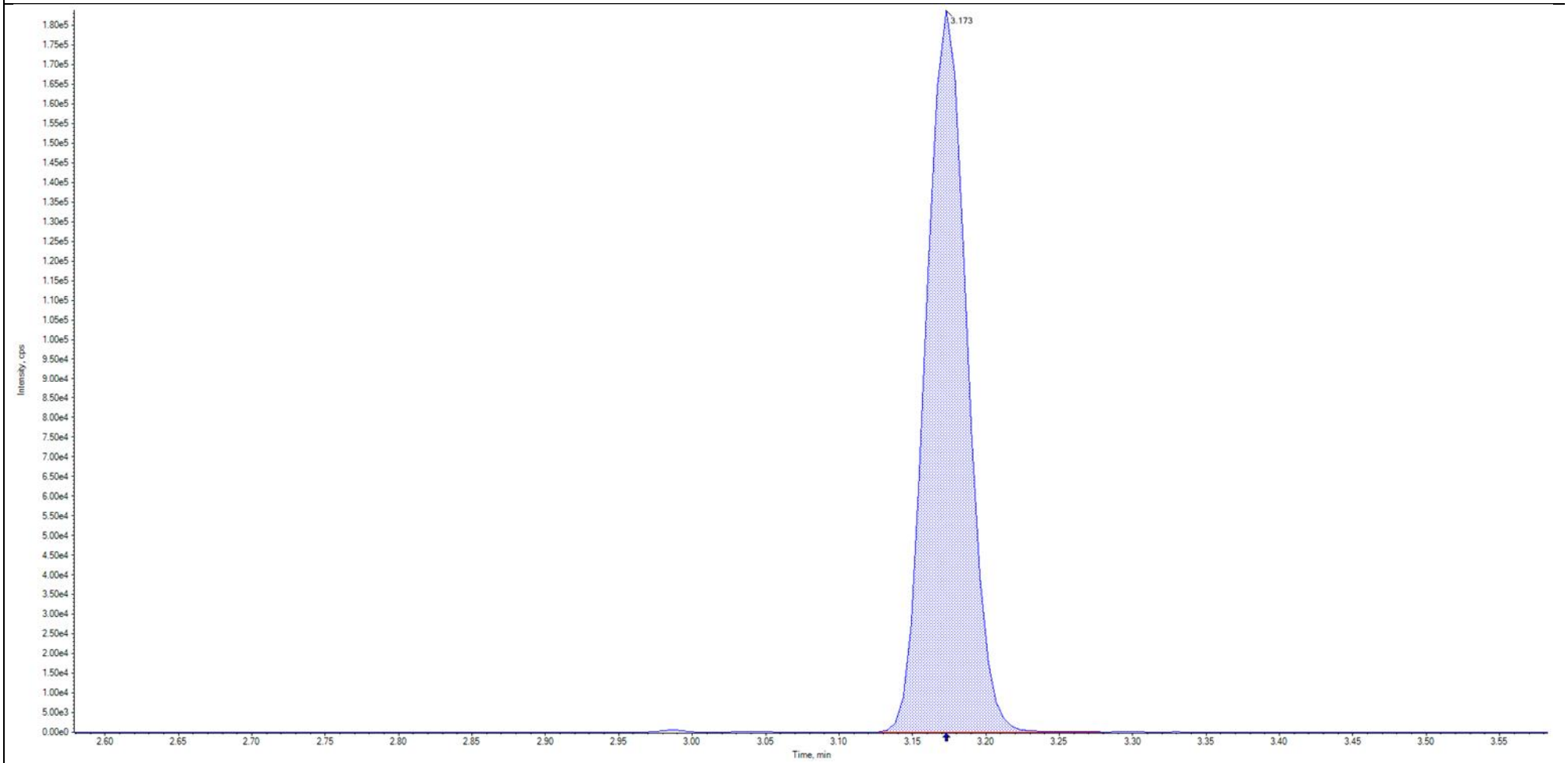
13C5-PFNA
Sample: IA1633STD-50



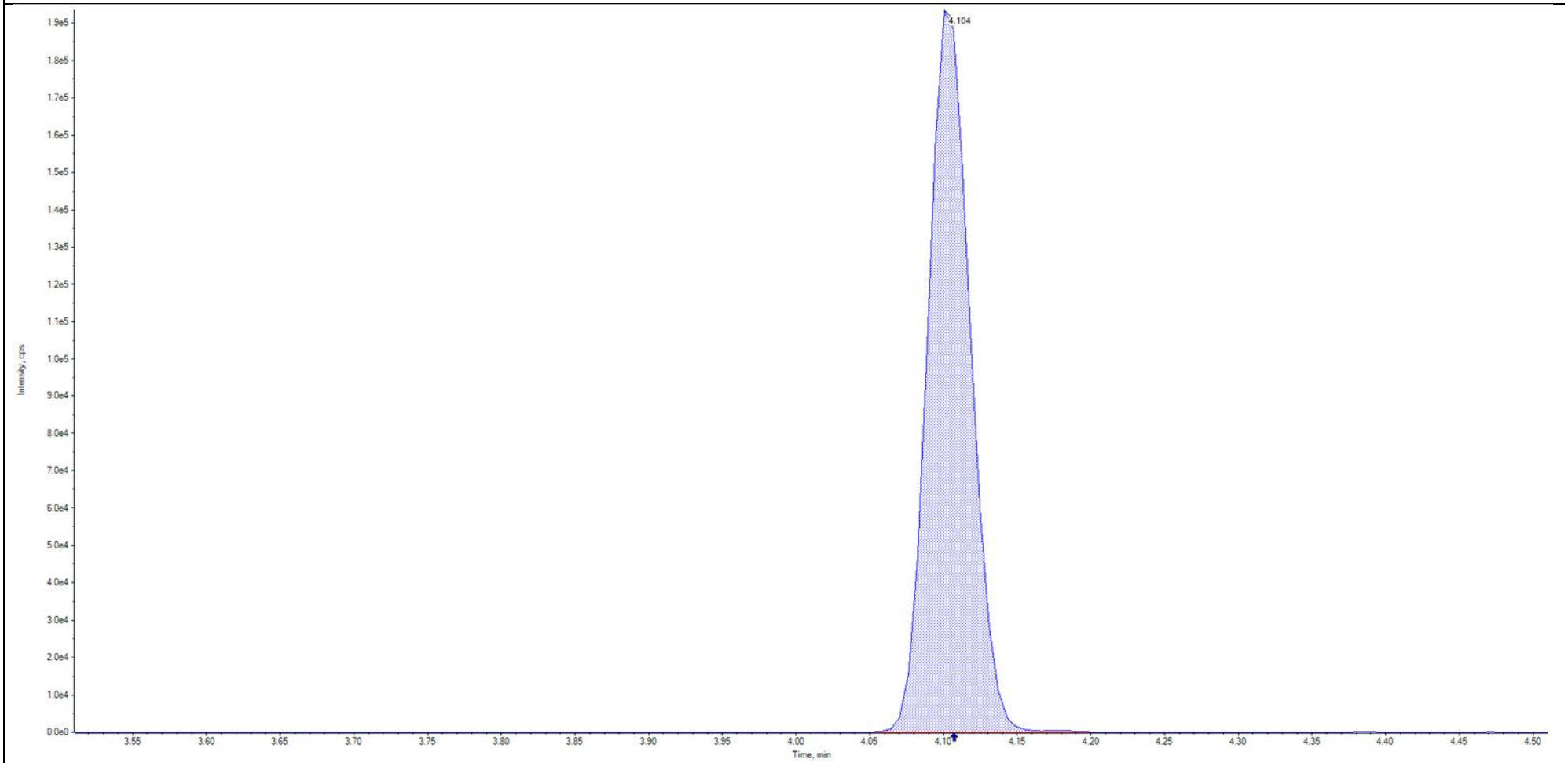
13C2-PFDA
Sample: IA1633STD-50



18O2-PFHxS
Sample: IA1633STD-50



13C4-PFOS
Sample: IA1633STD-50



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Method: EPA1633F.qmethod
Calibration: 241216_EPA1633_ICAL

ID: IA1633STD-62.5
Name: SCI08_241216_19.wiff2
Date & Time: 2024-12-16T16:18:33
Description: WG2009822,,EPA1633F_241014_CAL_L9
Instrument: SCIEX Triple Quad 5500+
User: LCMS08:JW

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.64	213.0 / 169.0	17451235		229.424	N/A	N/A	N/A	91.8
2	PFPeA	2706-90-3	1.25	263.0 / 219.0	9942418		114.528	0.008	0.008	Pass	91.6
3	PFPeA_2	2706-90-3	1.25	263.0 / 68.9	75808		106.984	0.008	0.008	Pass	85.6
4	PFHxA	307-24-4	2.02	313.0 / 269.0	6897285		54.373	0.083	0.084	Pass	87.0
5	PFHxA_2	307-24-4	2.02	313.0 / 119.0	573517		56.497	0.083	0.084	Pass	90.4
6	PFHpA	375-85-9	2.60	363.1 / 319.0	6483231		50.586	0.486	0.404	Pass	80.9
7	PFHpA_2	375-85-9	2.60	363.1 / 169.0	3152775		58.205	0.486	0.404	Pass	93.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	3.08	413.1 / 369.1	7692505	m5	63.604	0.504	0.562	Pass	101.8
9	PFOA_2	335-67-1	3.08	413.1 / 169.0	3879089	m5	61.473	0.504	0.562	Pass	98.4
10	PFNA	375-95-1	3.54	462.8 / 418.9	6244388	m5	60.712	0.457	0.464	Pass	97.1
11	PFNA_2	375-95-1	3.54	462.8 / 219.0	2852386	m5	60.920	0.457	0.464	Pass	97.5
12	PFDA	335-76-2	3.97	513.1 / 469.1	9226484		58.111	0.243	0.264	Pass	93.0
13	PFDA_2	335-76-2	3.97	513.1 / 219.0	2242051		55.540	0.243	0.264	Pass	88.9
14	PFUnA	2058-94-8	4.39	563.1 / 519.1	8371221		56.429	0.214	0.204	Pass	90.3
15	PFUnA_2	2058-94-8	4.39	563.1 / 269.0	1793623		58.332	0.214	0.204	Pass	93.3
16	PFDoA	307-55-1	4.81	613.1 / 569.1	10058832		53.120	0.197	0.194	Pass	85.0
17	PFDoA_2	307-55-1	4.81	613.1 / 319.0	1984030		51.456	0.197	0.194	Pass	82.3
18	PFTrDA	72629-94-8	5.21	663.1 / 619.1	10666159		49.681	0.184	0.193	Pass	79.5
19	PFTrDA_2	72629-94-8	5.21	663.1 / 169.0	1964152		49.136	0.184	0.193	Pass	78.6
20	PFTeDA	376-06-7	5.61	713.1 / 669.1	12170417		52.842	0.166	0.163	Pass	84.6
21	PFTeDA_2	376-06-7	5.60	713.1 / 169.0	2025317		55.376	0.166	0.163	Pass	88.6
22	PFBS	375-73-5	2.03	299.1 / 80.1	9457489		52.907	0.343	0.353	Pass	95.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	2.03	299.1 / 99.1	3248452		52.695	0.343	0.353	Pass	95.0
24	PFPeS	2706-91-4	2.67	349.1 / 80.1	9635071		52.692	0.285	0.294	Pass	89.6
25	PFPeS_2	2706-91-4	2.67	349.1 / 99.1	2749183		54.242	0.285	0.294	Pass	92.3
26	PFHxS	355-46-4	3.20	399.1 / 80.1	8674355	m5	51.646	0.286	0.292	Pass	90.6
27	PFHxS_2	355-46-4	3.20	399.1 / 99.1	2480628		50.570	0.286	0.292	Pass	88.7
28	PFHpS	375-92-8	3.68	449.1 / 80.1	8909941		53.848	0.269	0.274	Pass	90.5
29	PFHpS_2	375-92-8	3.68	449.1 / 99.1	2393566		54.749	0.269	0.274	Pass	92.0
30	PFOS	1763-23-1	4.14	499.1 / 80.1	11622415	m5	53.532	0.214	0.223	Pass	92.3
31	PFOS_2	1763-23-1	4.14	499.1 / 99.1	2484153	m5	54.431	0.214	0.223	Pass	93.9
32	PFNS	68259-12-1	4.57	549.1 / 80.1	9940911		52.645	0.281	0.281	Pass	87.7
33	PFNS_2	68259-12-1	4.57	549.1 / 99.1	2795374		52.925	0.281	0.281	Pass	88.2
34	PFDS	335-77-3	4.98	599.1 / 80.1	11002274		54.961	0.262	0.267	Pass	91.2
35	PFDS_2	335-77-3	4.98	599.1 / 99.1	2886016		54.155	0.262	0.267	Pass	89.8
36	PFDoS	79780-39-5	5.77	699.2 / 80.1	11947863		55.135	0.230	0.225	Pass	91.1
37	PFDoS_2	79780-39-5	5.77	699.2 / 99.1	2752388		56.880	0.230	0.225	Pass	94.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	1.79	327.1 / 307.1	6651966		191.750	0.653	0.637	Pass	81.9
39	4:2FTS_2	757124-72-4	1.79	327.1 / 81.1	4345215		190.245	0.653	0.637	Pass	81.3
40	6:2FTS	27619-97-2	2.89	427.2 / 407.2	6490826		187.438	0.630	0.571	Pass	78.8
41	6:2FTS_2	27619-97-2	2.89	427.2 / 81.1	4087517		191.916	0.630	0.571	Pass	80.6
42	8:2FTS	39108-34-4	3.77	527.2 / 507.2	6601334		189.034	0.755	0.758	Pass	78.8
43	8:2FTS_2	39108-34-4	3.77	527.2 / 81.1	4985677		183.498	0.755	0.758	Pass	76.5
44	PFOSA	754-91-6	5.21	498.1 / 78.1	14533793	m5	59.562	0.024	0.023	Pass	95.3
45	PFOSA_2	754-91-6	5.21	498.1 / 478.0	343557	m5	54.679	0.024	0.023	Pass	87.5
46	NMeFOSA	31506-32-8	5.95	512.2 / 219.0	3319630	m5	55.954	1.436	1.447	Pass	89.5
47	NMeFOSA_2	31506-32-8	5.90	512.2 / 169.0	4768202	m5	55.299	1.436	1.447	Pass	88.5
48	NEtFOSA	4151-50-2	6.25	526.2 / 219.0	3395439		57.737	1.274	1.299	Pass	92.4
49	NEtFOSA_2	4151-50-2	6.21	526.2 / 169.0	4324220		56.293	1.274	1.299	Pass	90.1
50	NMeFOSAA	2355-31-9	4.07	570.2 / 419.1	2259947		54.981	0.567	0.605	Pass	88.0
51	NMeFOSAA_2	2355-31-9	4.07	570.2 / 483.0	1280867	m5	51.039	0.567	0.605	Pass	81.7
52	NEtFOSAA	2991-50-6	4.28	584.2 / 419.1	2121615	m5	56.500	0.515	0.518	Pass	90.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.28	584.2 / 526.2	1093173	m5	58.411	0.515	0.518	Pass	93.5
54	NMeFOSE	24448-09-7	5.81	616.1 / 58.9	46029996	m5	550.922	N/A	N/A	N/A	88.2
55	NEtFOSE	1691-99-2	6.11	630.0 / 58.9	57804640	m5	550.713	N/A	N/A	N/A	88.1
56	HFPO-DA	13252-13-6	2.23	285.0 / 169.0	22333369		223.324	0.456	0.474	Pass	89.3
57	HFPO-DA_2	13252-13-6	2.23	285.0 / 184.9	10185228		214.831	0.456	0.474	Pass	85.9
58	ADONA	919005-14-4	2.77	376.9 / 251.0	42503130		189.349	0.681	0.740	Pass	80.2
59	ADONA_2	919005-14-4	2.77	376.9 / 84.8	28964018		180.852	0.681	0.740	Pass	76.6
60	9Cl-PF3ONS	756426-58-1	N/A	530.8 / 351.1	N/A		N/A	N/A	0.340	N/A	N/A
61	9Cl-PF3ONS_2	756426-58-1	N/A	532.8 / 353.0	N/A		N/A	N/A	0.340	N/A	N/A
62	11Cl-PF3OUdS	763051-92-9	N/A	630.9 / 451.0	N/A		N/A	N/A	0.328	N/A	N/A
63	11Cl-PF3OUdS_2	763051-92-9	N/A	632.9 / 452.9	N/A		N/A	N/A	0.328	N/A	N/A
64	3:3FTCA	356-02-5	1.61	241.1 / 177.1	2600084		339.626	0.913	0.996	Pass	108.7
65	3:3FTCA_2	356-02-5	1.60	241.1 / 117.0	2372886		318.795	0.913	0.996	Pass	102.0
66	5:3FTCA	914637-49-3	3.04	341.1 / 237.1	40360027		1334.399	1.041	1.037	Pass	85.4
67	5:3FTCA_2	914637-49-3	3.04	341.1 / 217.0	42028107		1340.358	1.041	1.037	Pass	85.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	4.06	441.1 / 316.9	47270913		1523.306	1.033	1.181	Pass	97.5
69	7:3FTCA_2	812-70-4	4.06	441.1 / 337.1	48834844		1379.206	1.033	1.181	Pass	88.3
70	PFEESA	113507-82-7	2.34	315.1 / 135.0	44619349		99.859	0.080	0.078	Pass	89.2
71	PFEESA_2	113507-82-7	2.34	315.1 / 82.9	3591278		97.572	0.080	0.078	Pass	87.1
72	PFMPA	377-73-1	0.81	229.0 / 85.0	11267415		127.666	N/A	N/A	N/A	102.1
73	PFMBA	863090-89-5	1.51	279.0 / 85.0	14321136		111.341	N/A	N/A	N/A	89.1
74	NFDHA	151772-58-6	1.94	295.0 / 201.0	5974693		111.634	0.799	0.765	Pass	89.3
75	NFDHA_2	151772-58-6	1.94	295.0 / 84.9	4775867		114.621	0.799	0.765	Pass	91.7
76	TDCA	516-50-7	2.72	499.1 / 124.1	2684972		10.712	5.874	5.845	Pass	107.1
77	TDCA_2	516-50-7	2.72	499.1 / 79.9	15771217		10.732	5.874	5.845	Pass	107.3
78	13C2D4-4:2FTS	Surr	1.78	333.2 / 312.1	143140		5.509	N/A	N/A	N/A	110.2
79	13C2-PFOA	Surr	3.08	415.0 / 370.0	460443		2.625	N/A	N/A	N/A	105.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.64	217.0 / 172.0	919668		10.261	NA	NA	NA	102.6

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C5-PFPeA	EIS	1.25	268.0 / 223.0	481499		4.825	NA	NA	NA	96.5
13C5-PFHxA	EIS	2.01	318.0 / 273.0	299502		2.424	NA	NA	NA	96.9
13C4-PFHpA	EIS	2.59	367.0 / 322.0	376704		2.415	NA	NA	NA	96.6
13C8-PFOA	EIS	3.08	420.8 / 376.0	433829		2.185	NA	NA	NA	87.4
13C9-PFNA	EIS	3.53	472.0 / 427.0	213527		1.126	NA	NA	NA	90.1
13C6-PFDA	EIS	3.97	519.0 / 474.0	307460		1.210	NA	NA	NA	96.8
13C7-PFUnA	EIS	4.39	570.0 / 525.0	286936		1.063	NA	NA	NA	85.0

	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	265018		1.193	NA	NA	NA	95.5
	13C2-PFTeDA	EIS	5.60	715.1 / 670.1	294246		1.128	NA	NA	NA	90.2
	13C3-PFBS	EIS	2.02	302.1 / 80.1	441885		2.150	NA	NA	NA	92.3
	13C3-PFHxS	EIS	3.20	402.1 / 80.1	410550		2.355	NA	NA	NA	99.4
	13C8-PFOS	EIS	4.13	507.1 / 80.1	508877		2.430	NA	NA	NA	101.2
	13C2-4:2FTS	EIS	1.79	329.1 / 81.1	102944		5.311	NA	NA	NA	113.2
	13C2-6:2FTS	EIS	2.88	429.2 / 81.1	104979		5.682	NA	NA	NA	119.4
	13C2-8:2FTS	EIS	3.77	529.2 / 81.1	153915		5.909	NA	NA	NA	123.1

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C8-PFOSA	EIS	5.21	506.1 / 78.1	767160		2.550	NA	NA	NA	102.0
d3-NMeFOSA	EIS	5.94	515.2 / 219.0	133255		2.826	NA	NA	NA	113.1
d5-NEtFOSA	EIS	6.23	531.2 / 219.0	129285		2.770	NA	NA	NA	110.8
d3-NMeFOSAA	EIS	4.06	573.2 / 419.1	233841		6.205	NA	NA	NA	124.1
d5-NEtFOSAA	EIS	4.28	589.3 / 419.1	183360		5.804	NA	NA	NA	116.1
d7-NMeFOSE	EIS	5.79	623.2 / 58.9	952729		28.156	NA	NA	NA	112.6
d9-NEtFOSE	EIS	6.09	639.2 / 58.9	1154109		27.574	NA	NA	NA	110.3

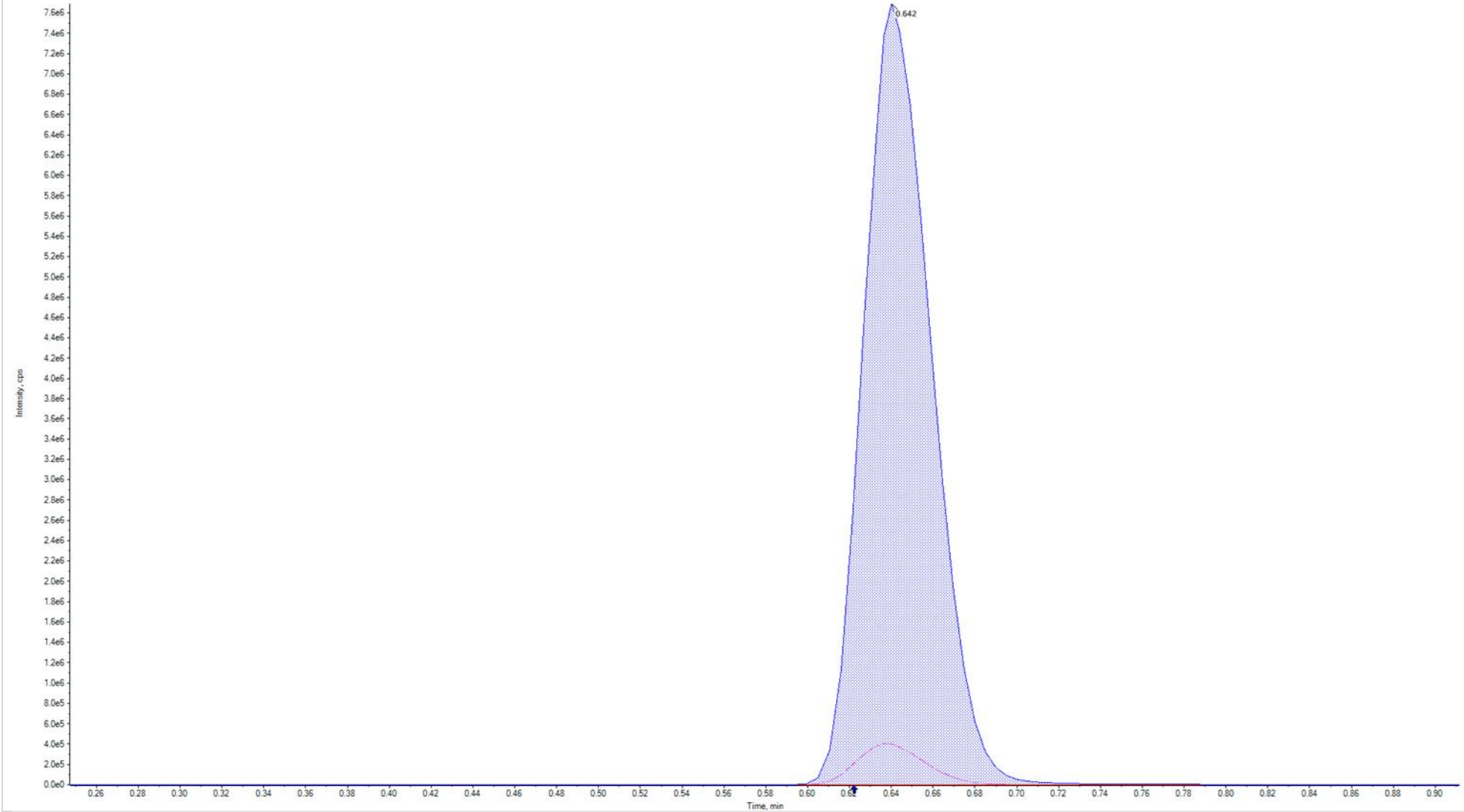
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	13C3-HFPO-DA	EIS	2.23	287.0 / 169.0	1051527		9.273	NA	NA	NA	92.7
	13C3-PFBA	NIS	0.64	216.0 / 172.0	393437		3.987	NA	NA	NA	79.7
	13C2-PFHxA	NIS	2.01	315.0 / 270.0	330411		2.415	NA	NA	NA	96.6
	13C4-PFOA	NIS	3.08	417.0 / 372.0	385102		2.638	NA	NA	NA	105.5
	13C5-PFNA	NIS	3.53	468.0 / 423.0	238656		1.286	NA	NA	NA	102.9
	13C2-PFDA	NIS	3.97	515.1 / 470.1	305087		1.340	NA	NA	NA	107.2
	18O2-PFHxS	NIS	3.20	403.1 / 84.1	358900		2.347	NA	NA	NA	99.0
	13C4-PFOS	NIS	4.13	503.1 / 80.1	384878		2.263	NA	NA	NA	94.3

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

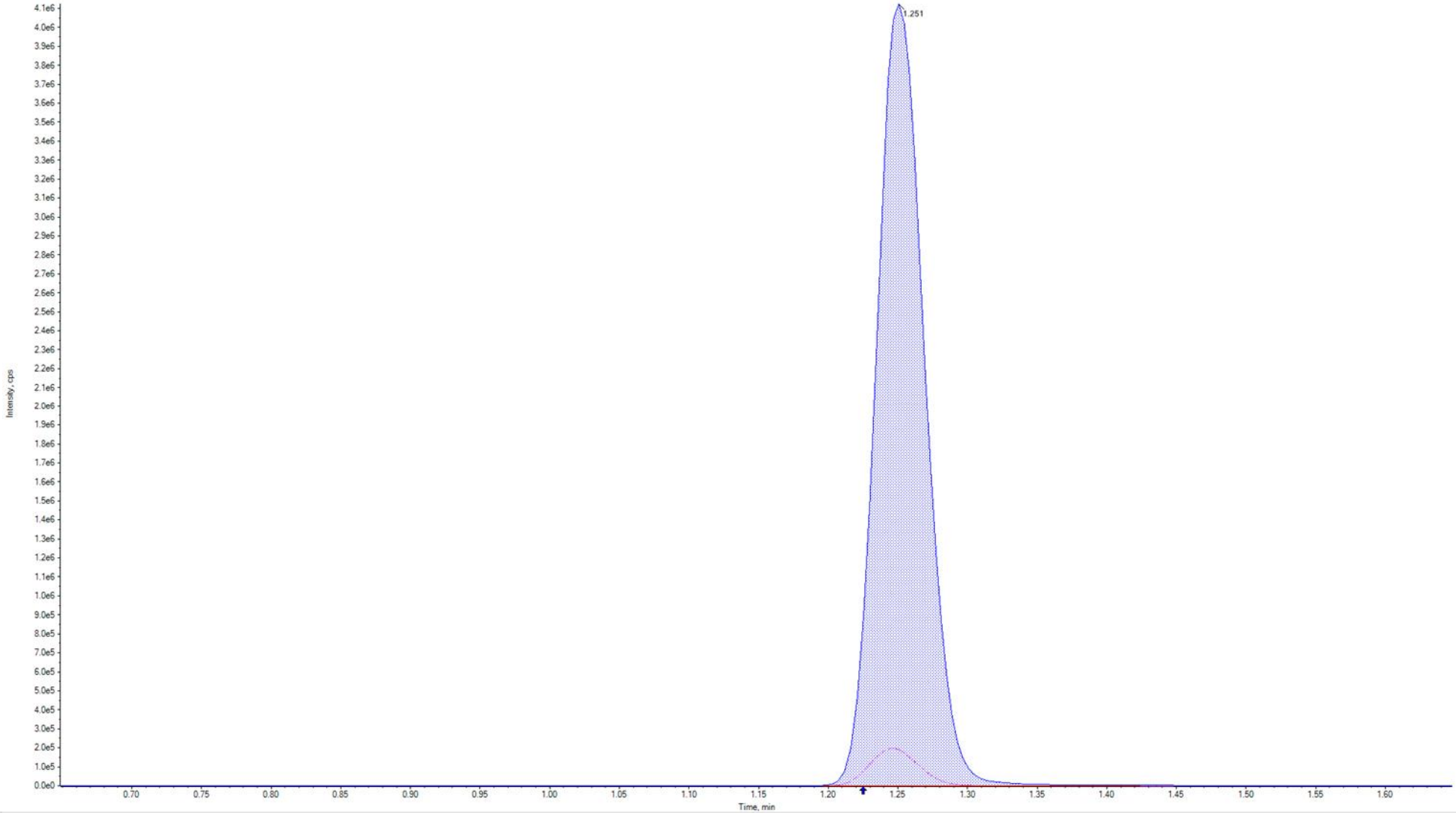
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PFBA
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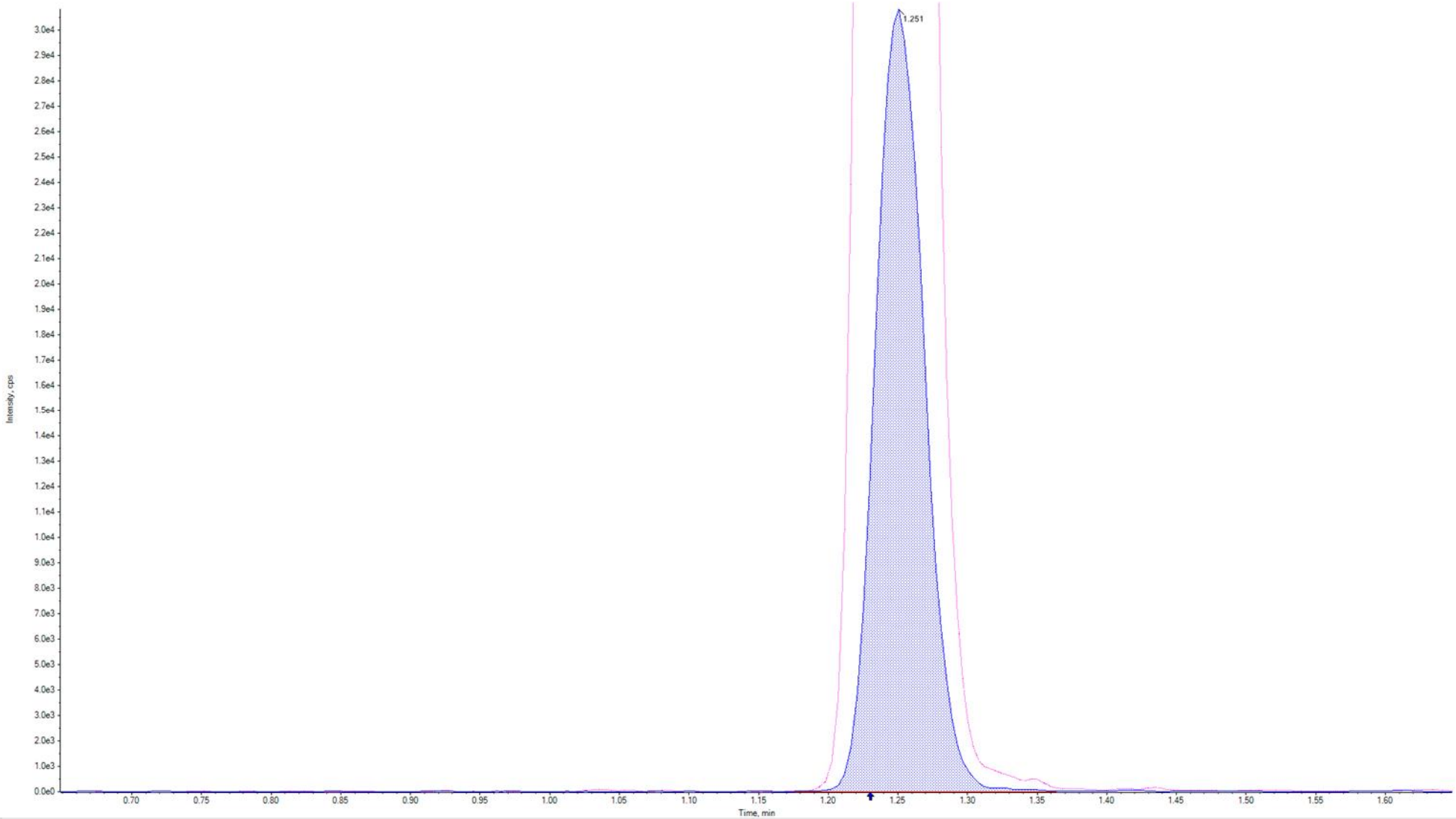
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PFPeA
Sample: IA1633STD-62.5 S/N:20443.9 Points Across peak:57



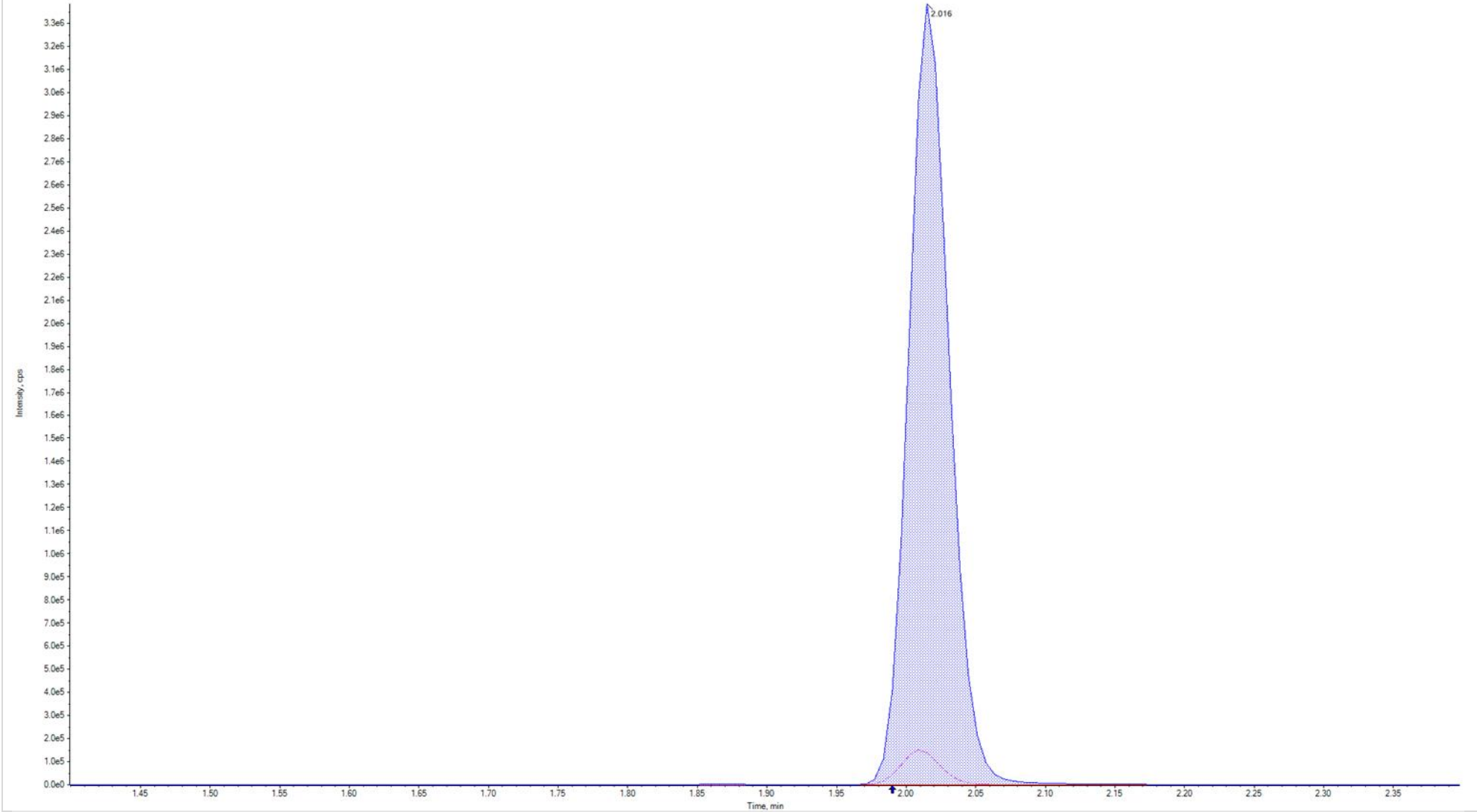
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PFPeA_2
Sample: IA1633STD-62.5 S/N:1853.4 Points Across peak:48



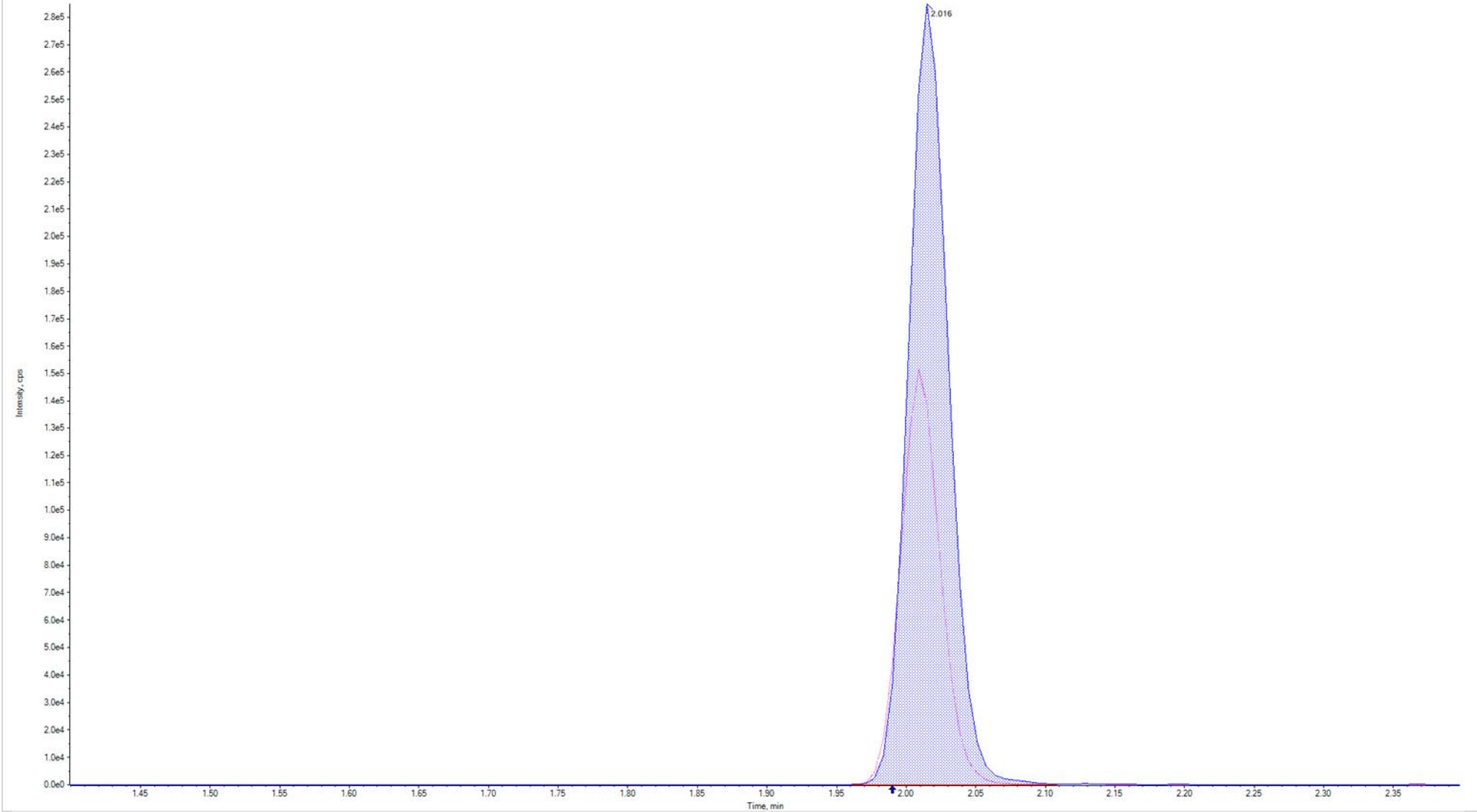
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PFHxA
Sample: IA1633STD-62.5 S/N:20698.1 Points Across peak:44



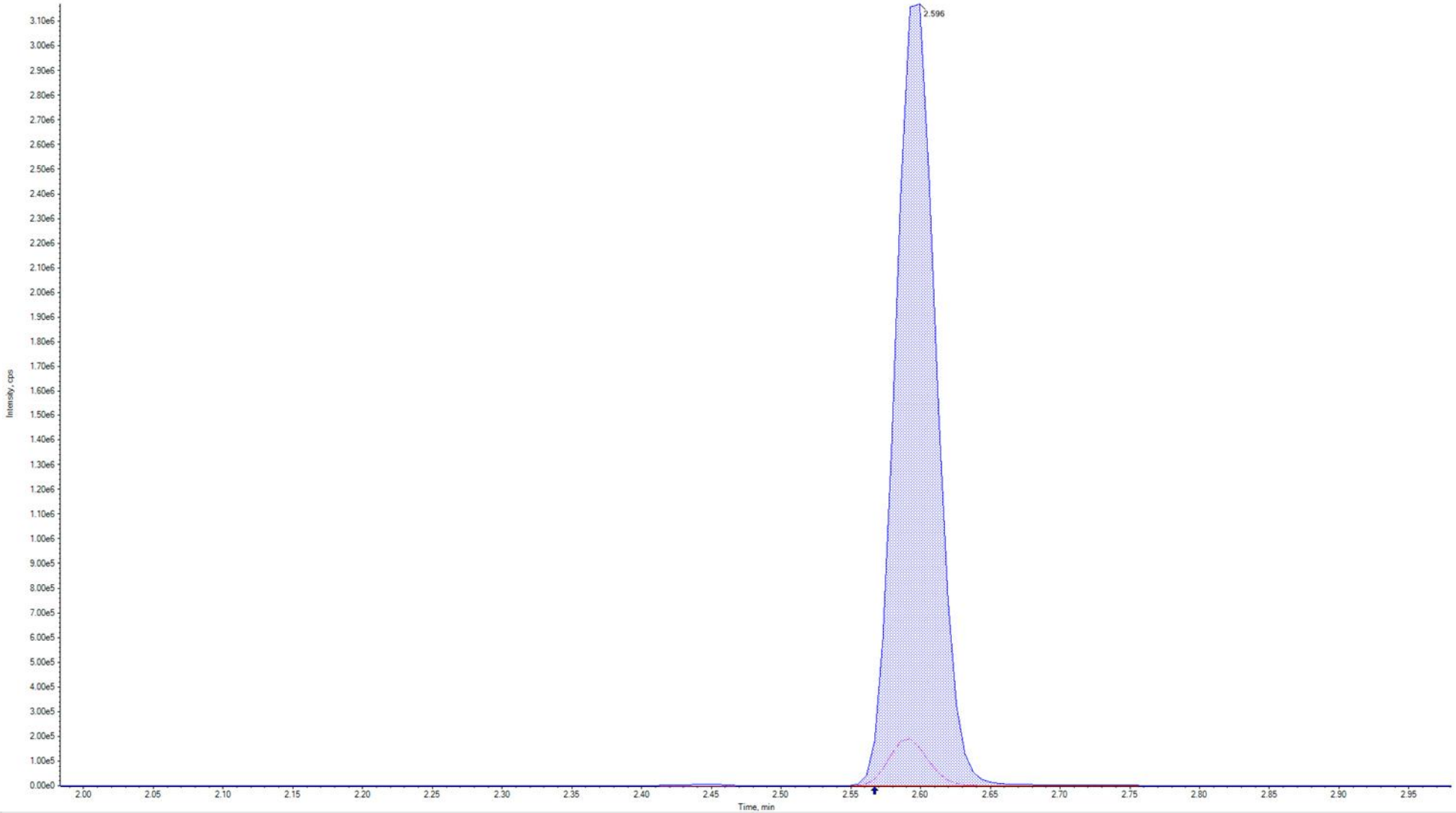
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PFHxA_2
Sample: IA1633STD-62.5 S/N:3819.2 Points Across peak:29



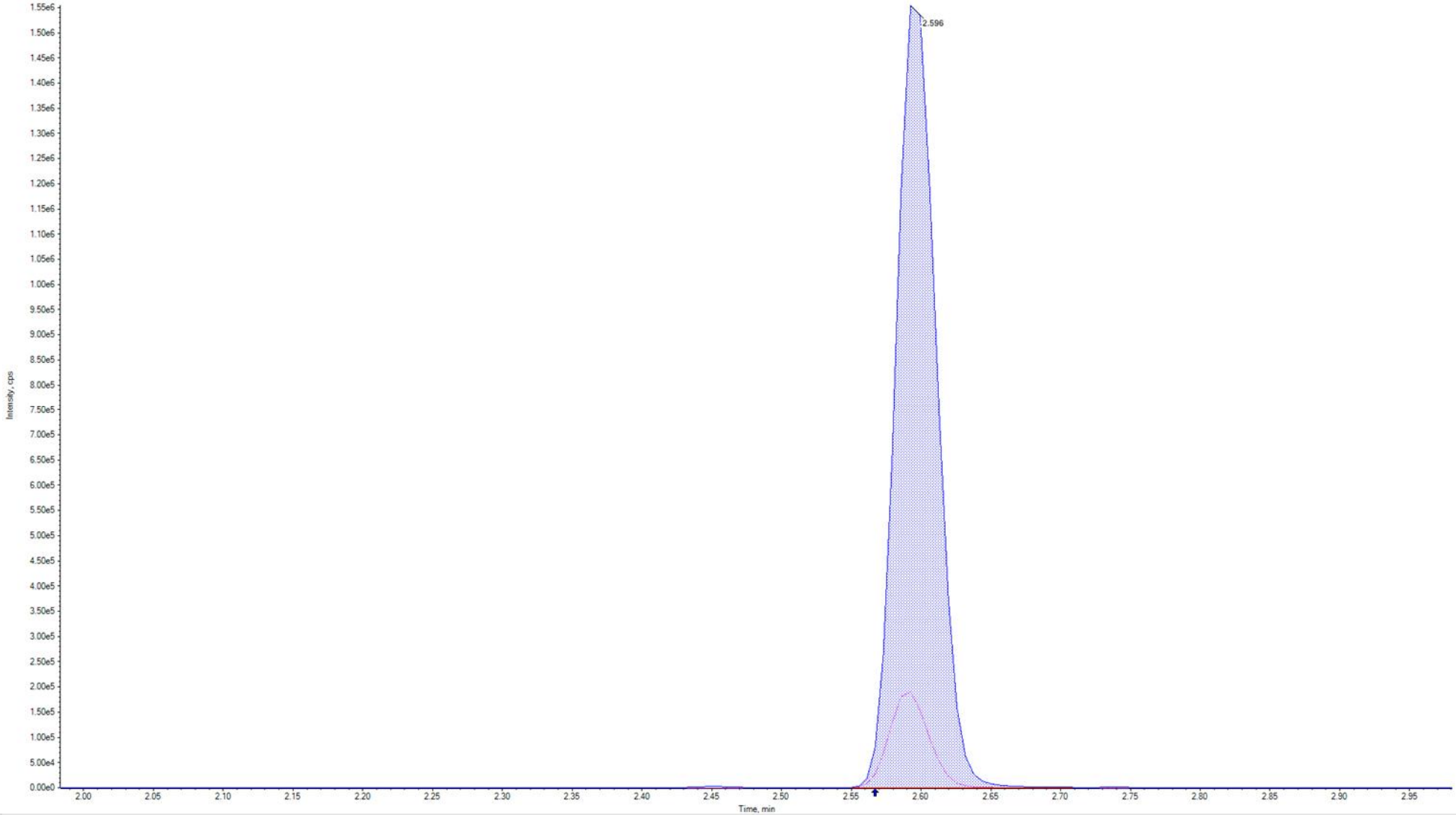
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PFHpA
Sample: IA1633STD-62.5 S/N:63564.9 Points Across peak:44



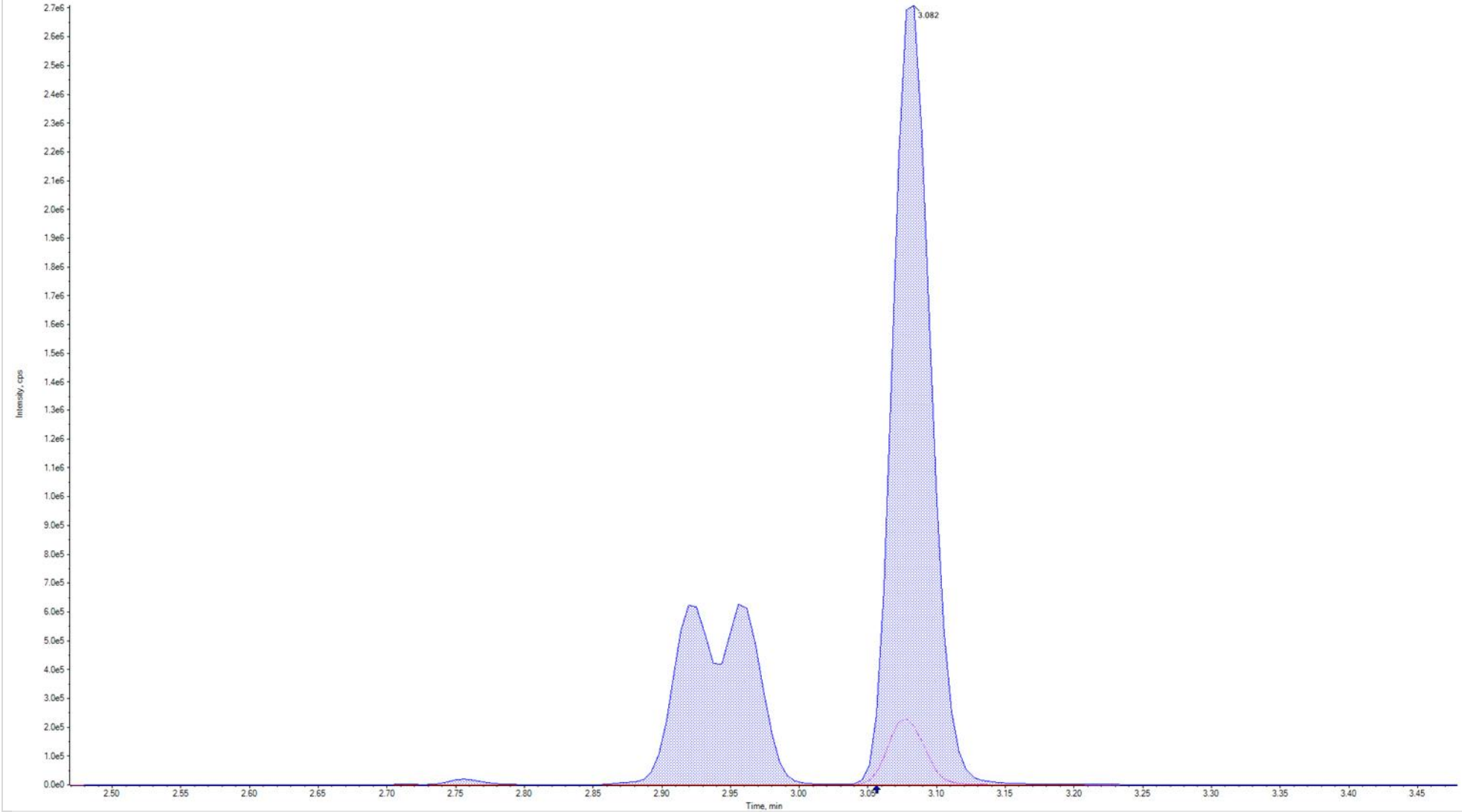
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PFHpA_2
Sample: IA1633STD-62.5 S/N:6473.6 Points Across peak:34



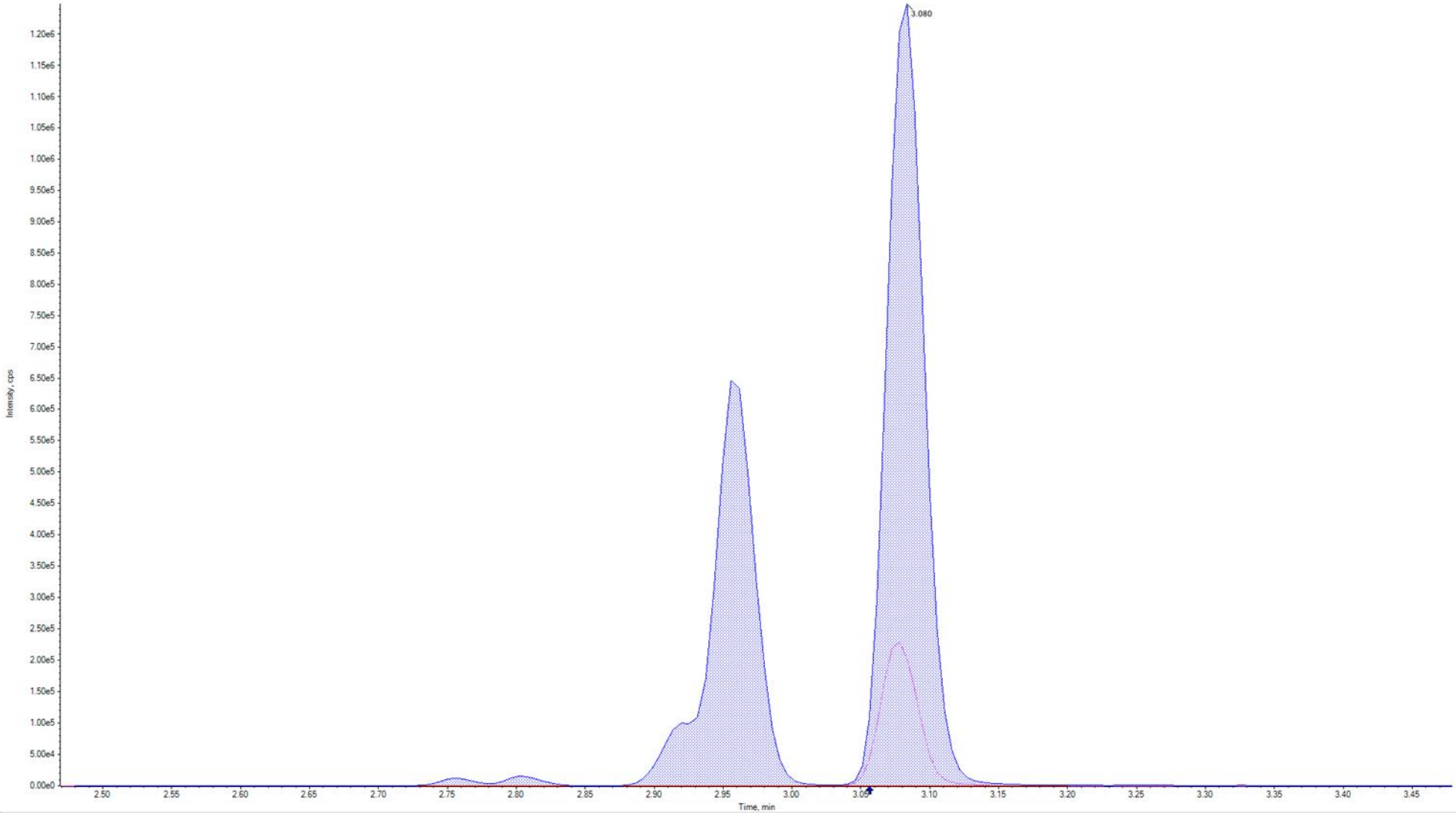
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PFOA
Sample: IA1633STD-62.5 S/N:719.8 Points Across peak:95



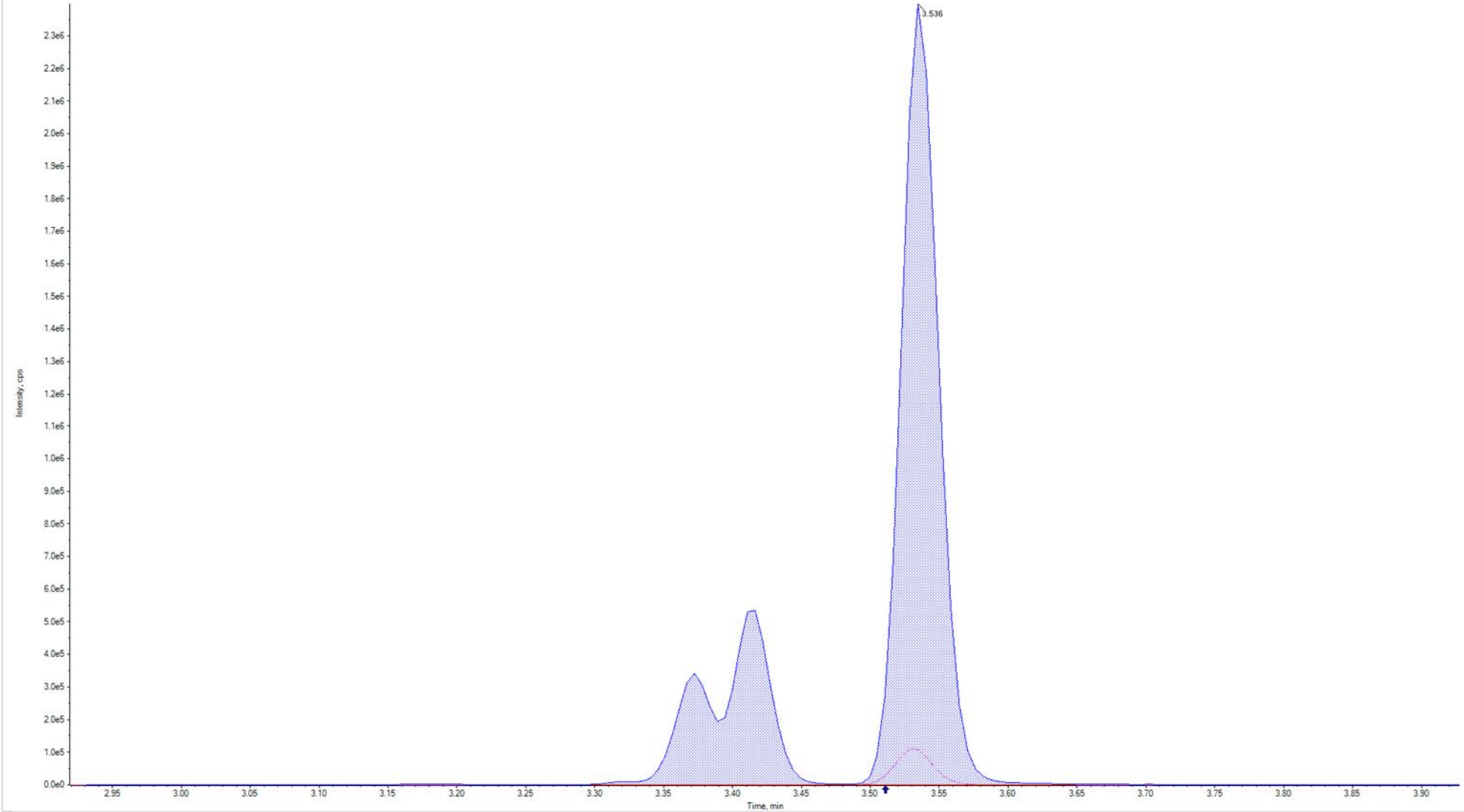
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PFOA_2
Sample: IA1633STD-62.5 S/N:470.4 Points Across peak:87



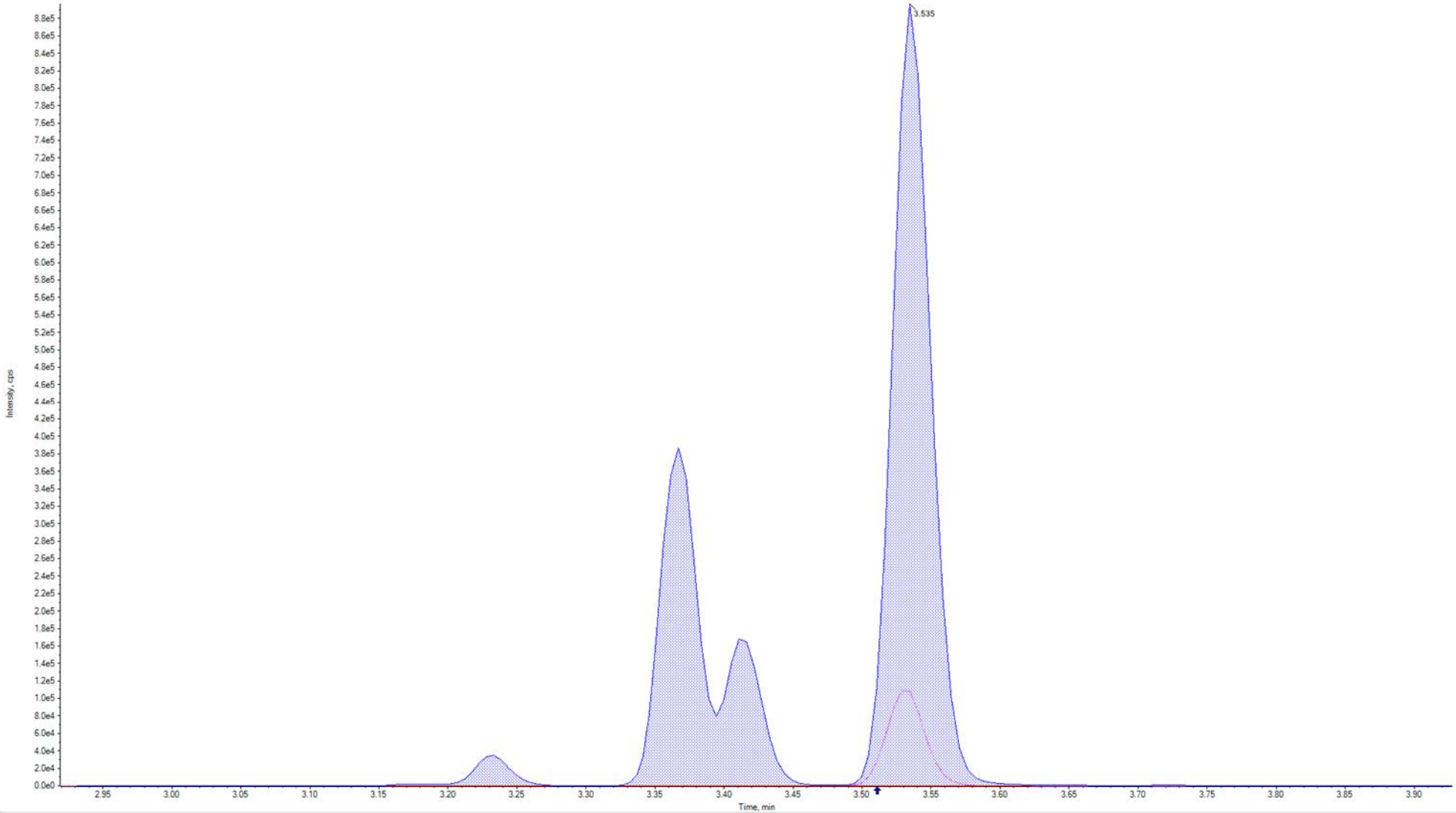
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PFNA
Sample: IA1633STD-62.5 S/N:730.7 Points Across peak:69



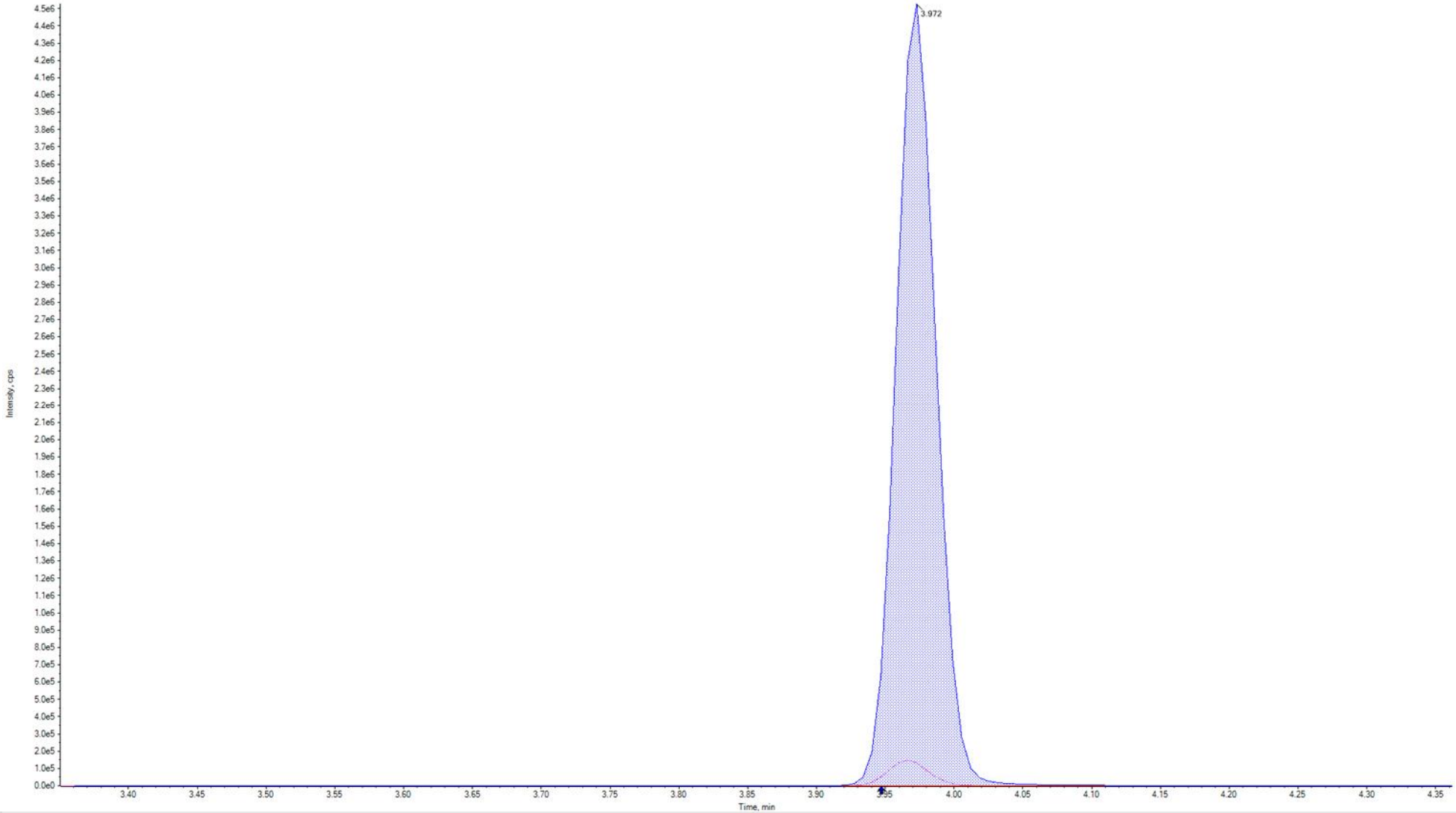
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PFNA_2
Sample: IA1633STD-62.5 S/N:455.9 Points Across peak:90



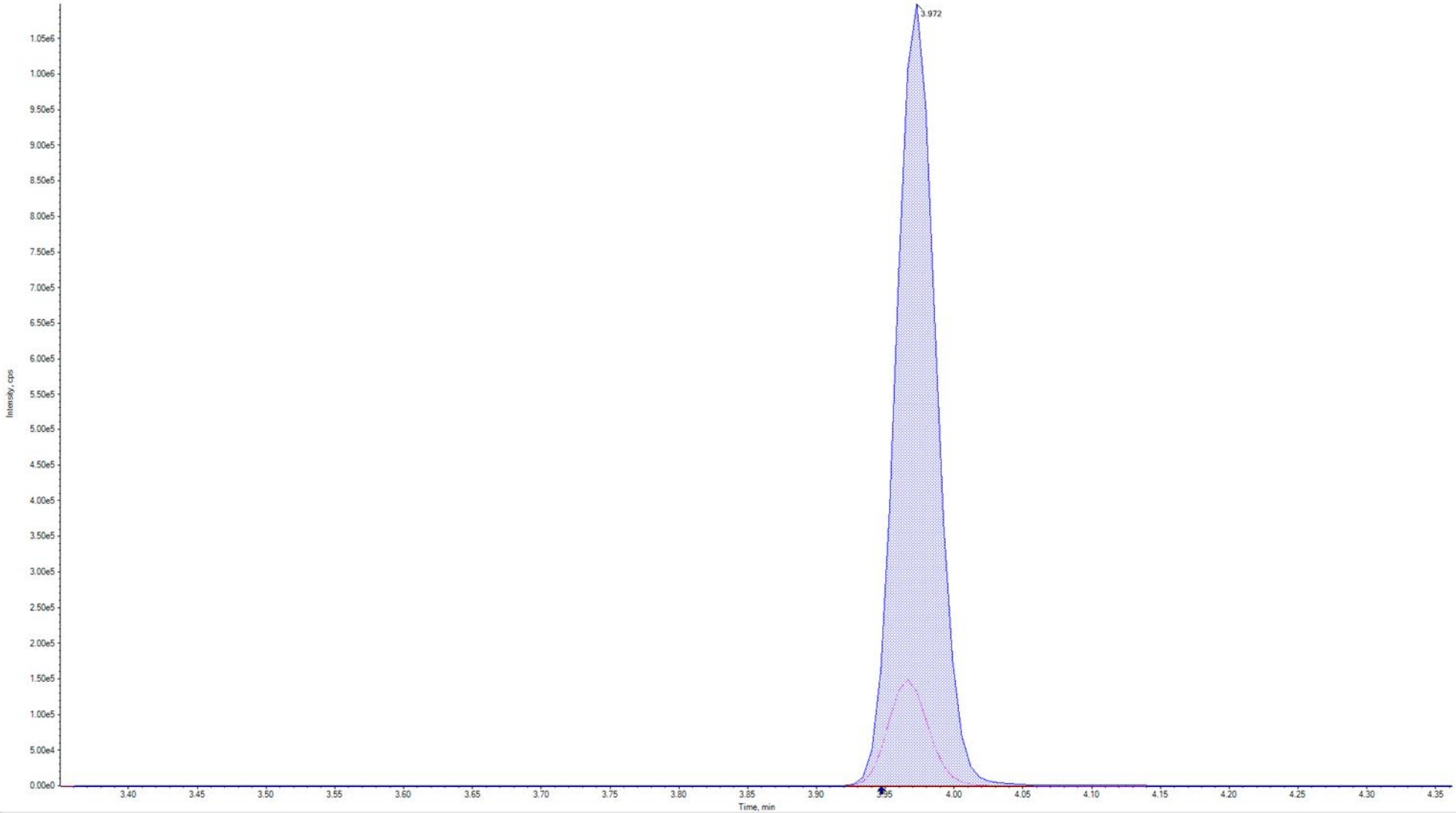
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PFDA
Sample: IA1633STD-62.5 S/N:90781.5 Points Across peak:45



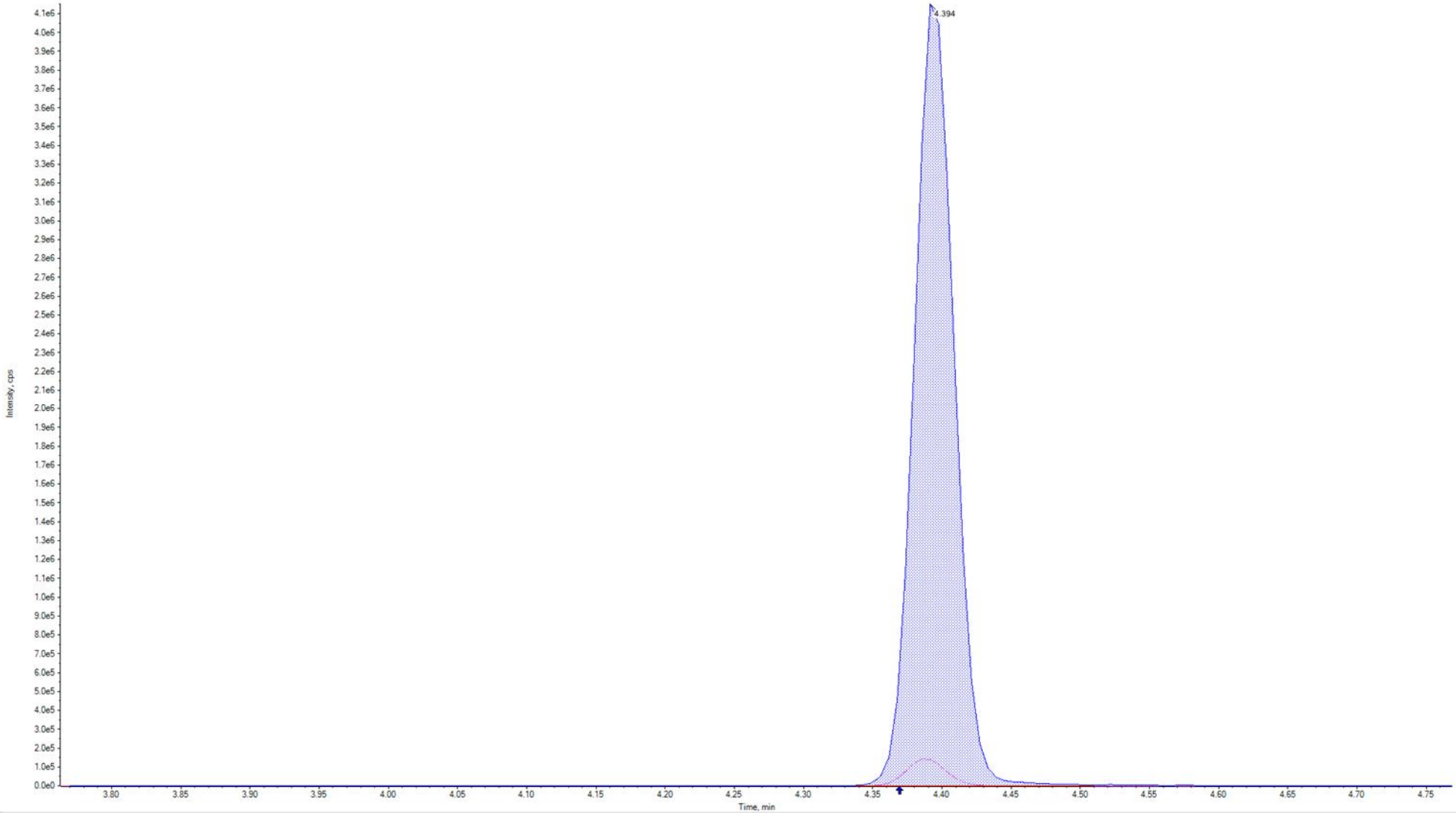
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PFDA_2
Sample: IA1633STD-62.5 S/N:8895.3 Points Across peak:26



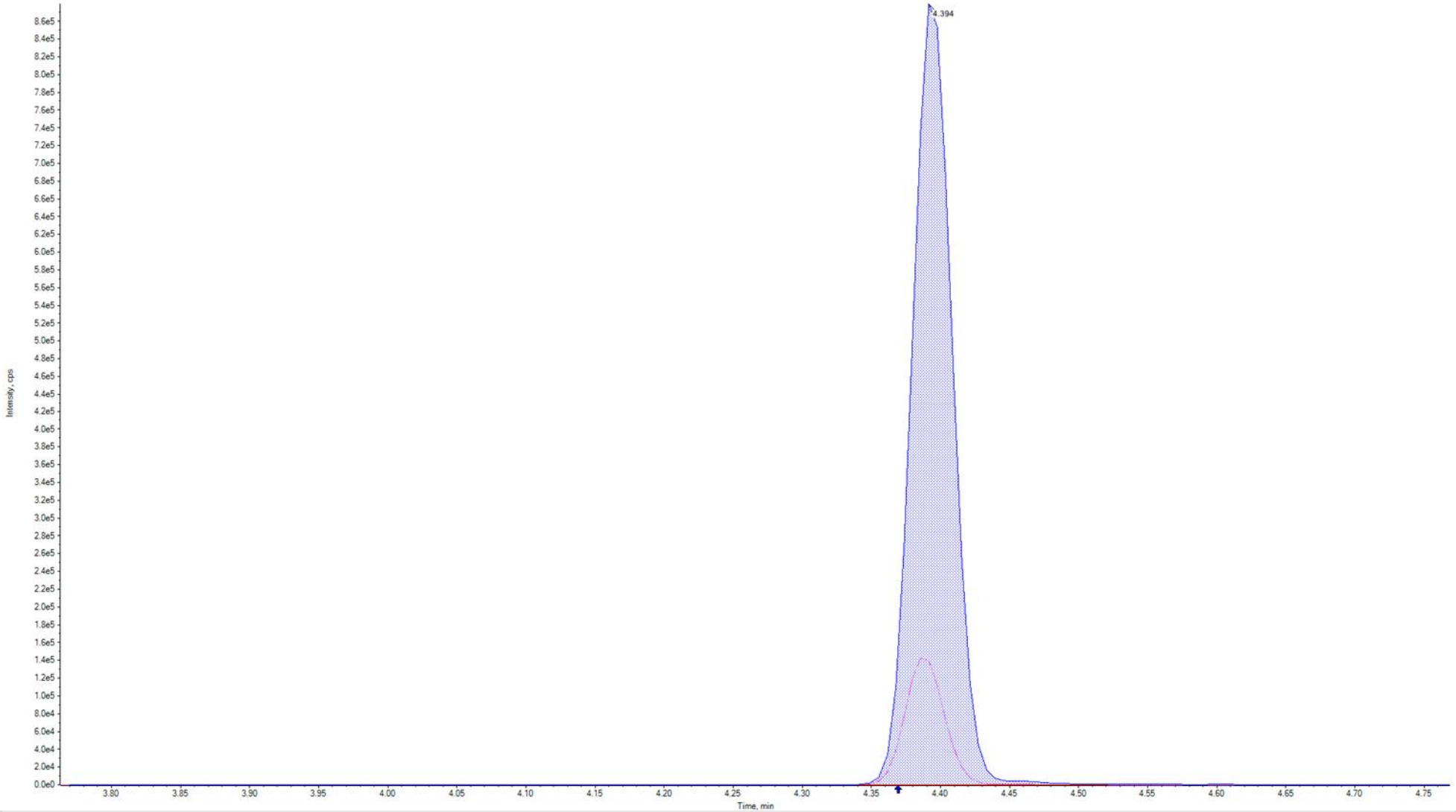
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Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_19.wiff2_9
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFUnA
Sample: IA1633STD-62.5 S/N:61672.9 Points Across peak:33



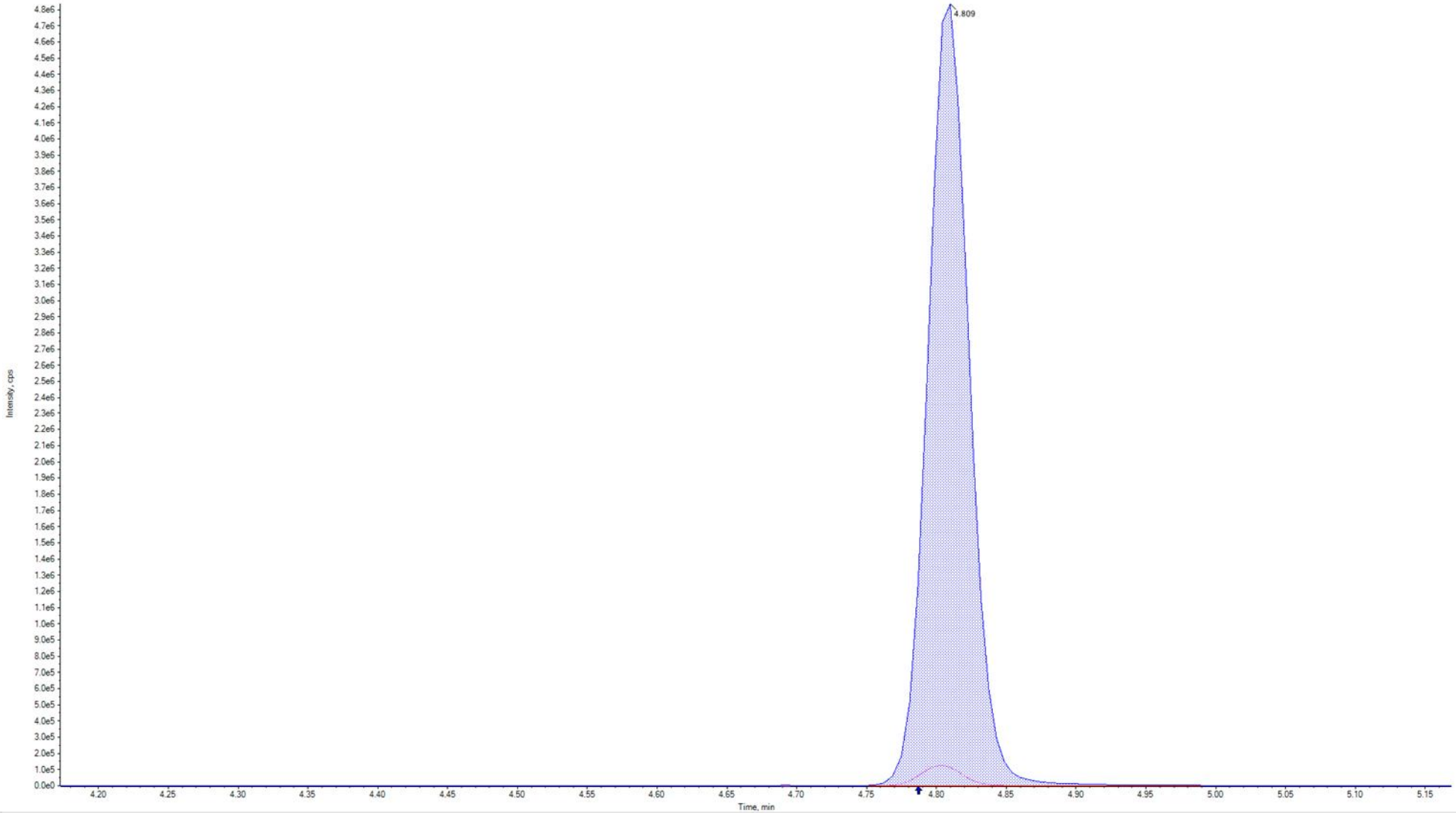
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_19.wiff2_9
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFUnA_2
Sample: IA1633STD-62.5 S/N:5908.9 Points Across peak:37



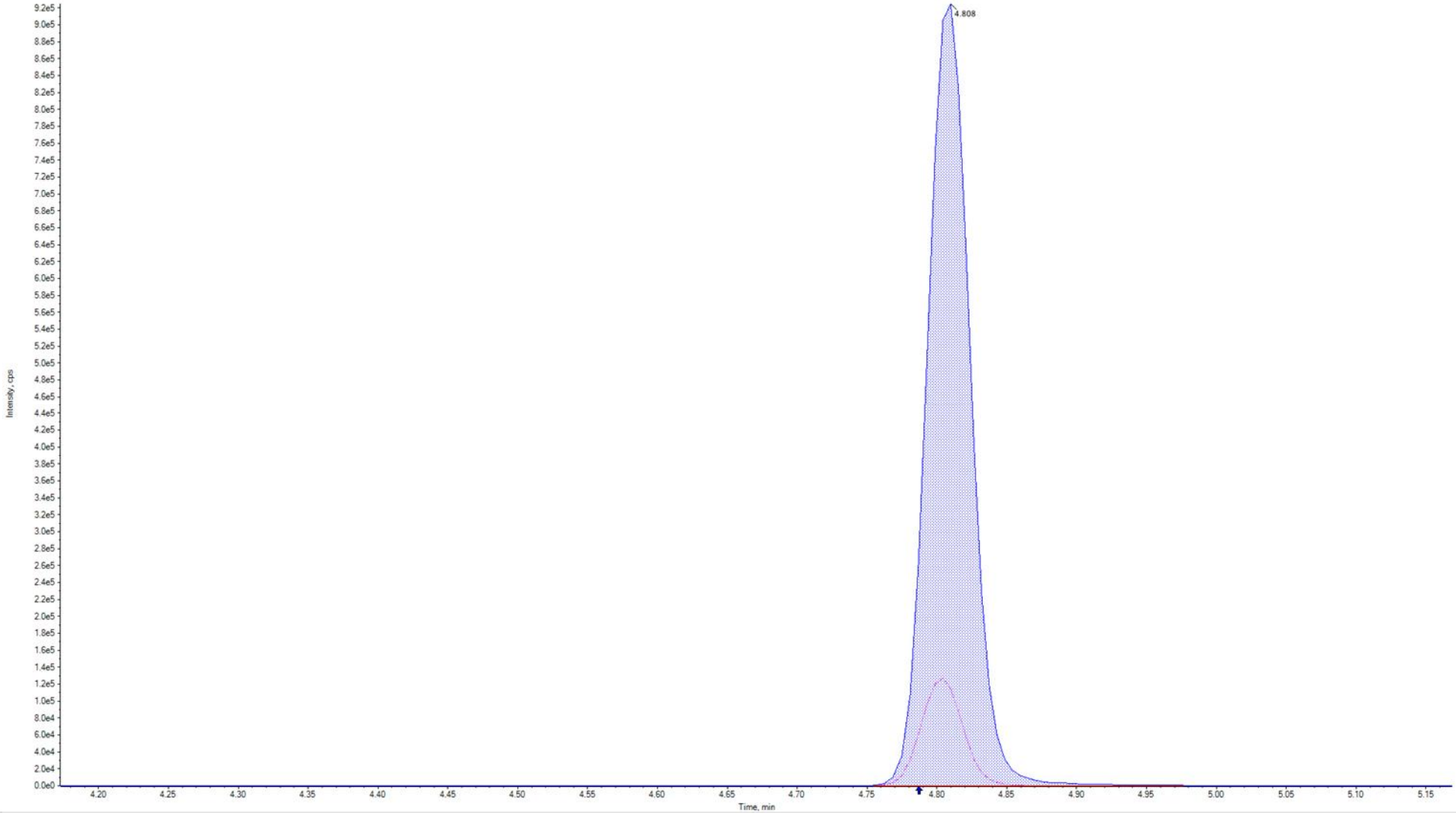
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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PFDoA
Sample: IA1633STD-62.5 S/N:40367.9 Points Across peak:47



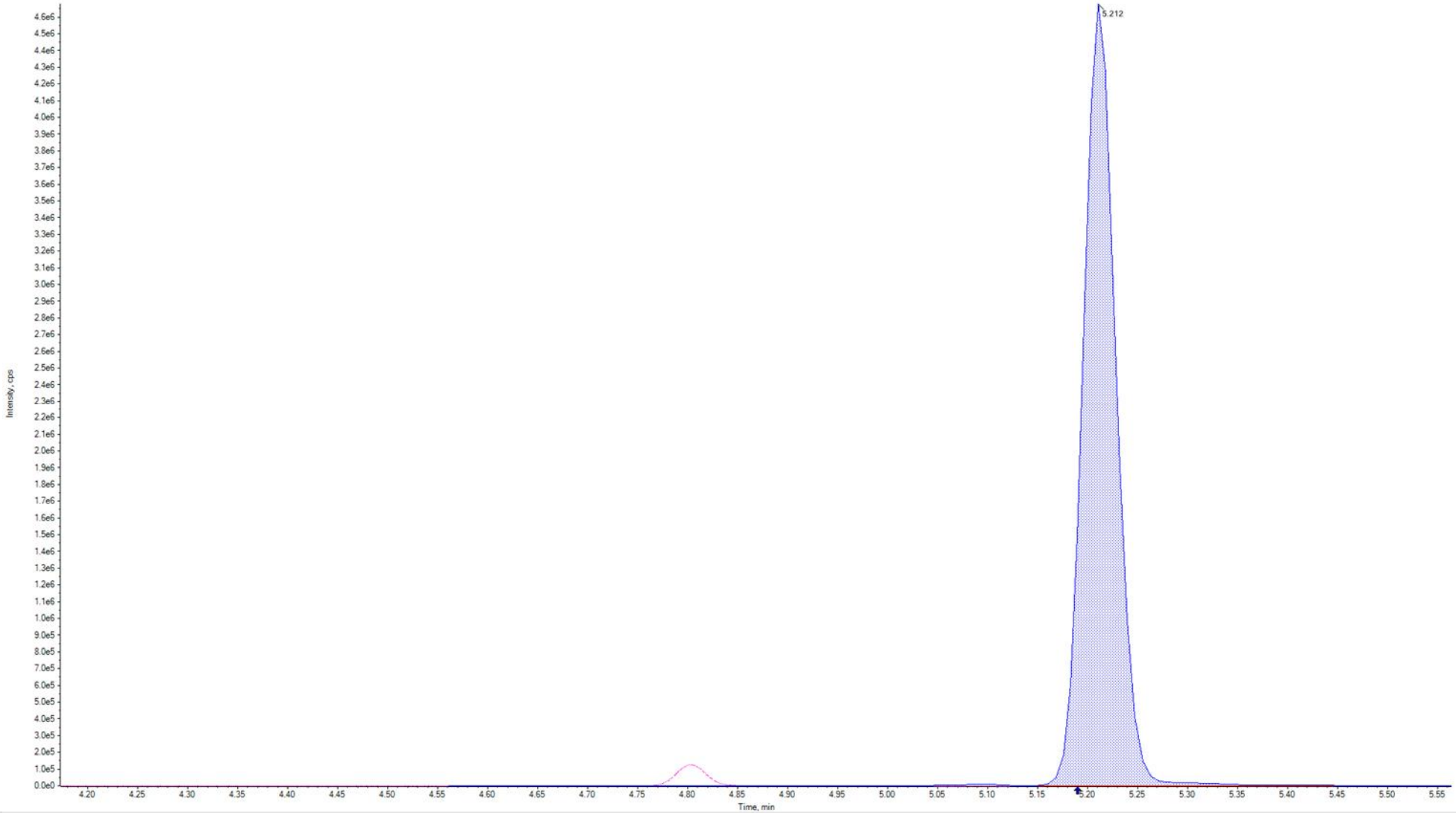
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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PFDoA_2
Sample: IA1633STD-62.5 S/N:8890.6 Points Across peak:45



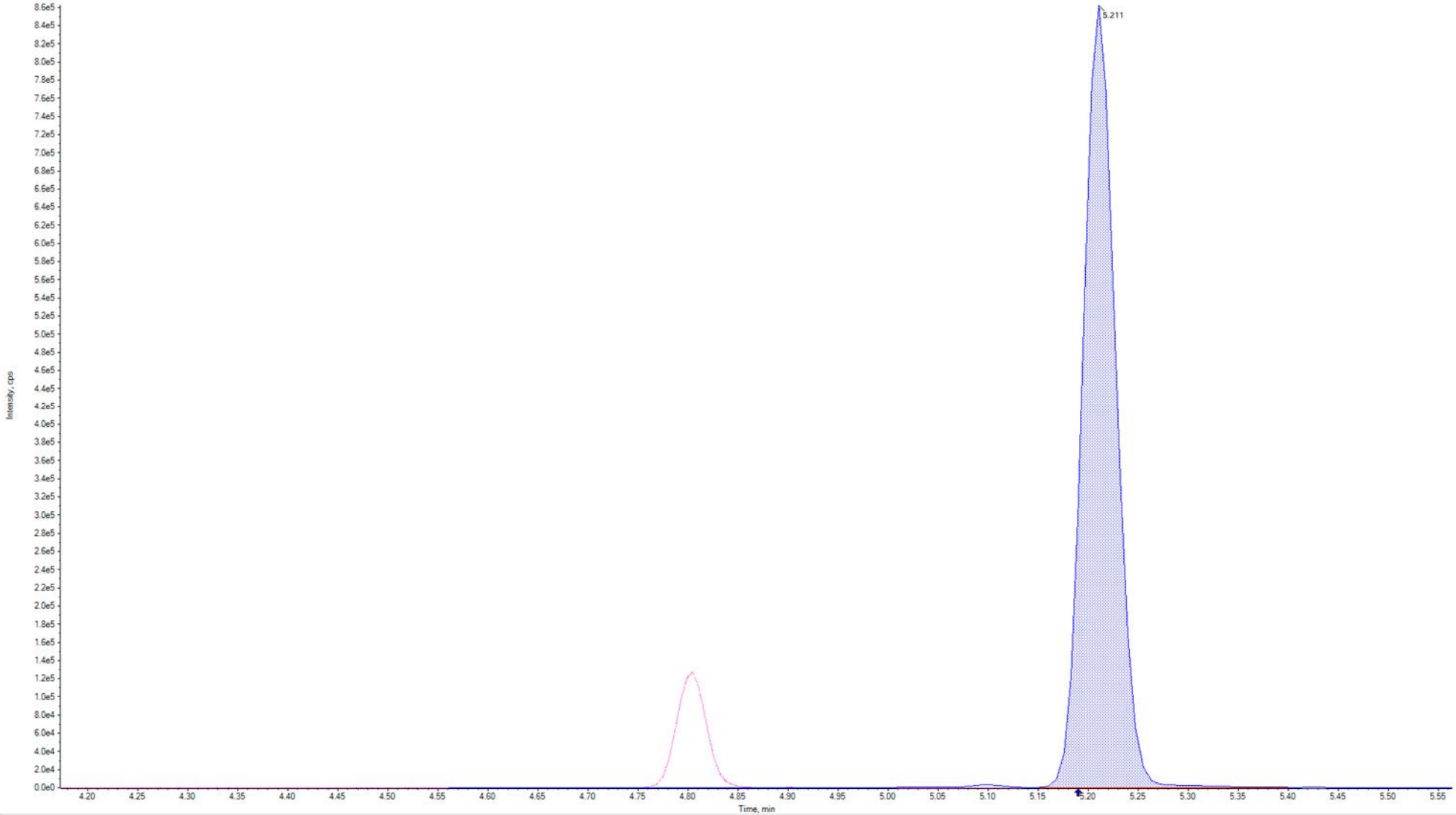
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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PFTrDA
Sample: IA1633STD-62.5 S/N:43649.8 Points Across peak:51



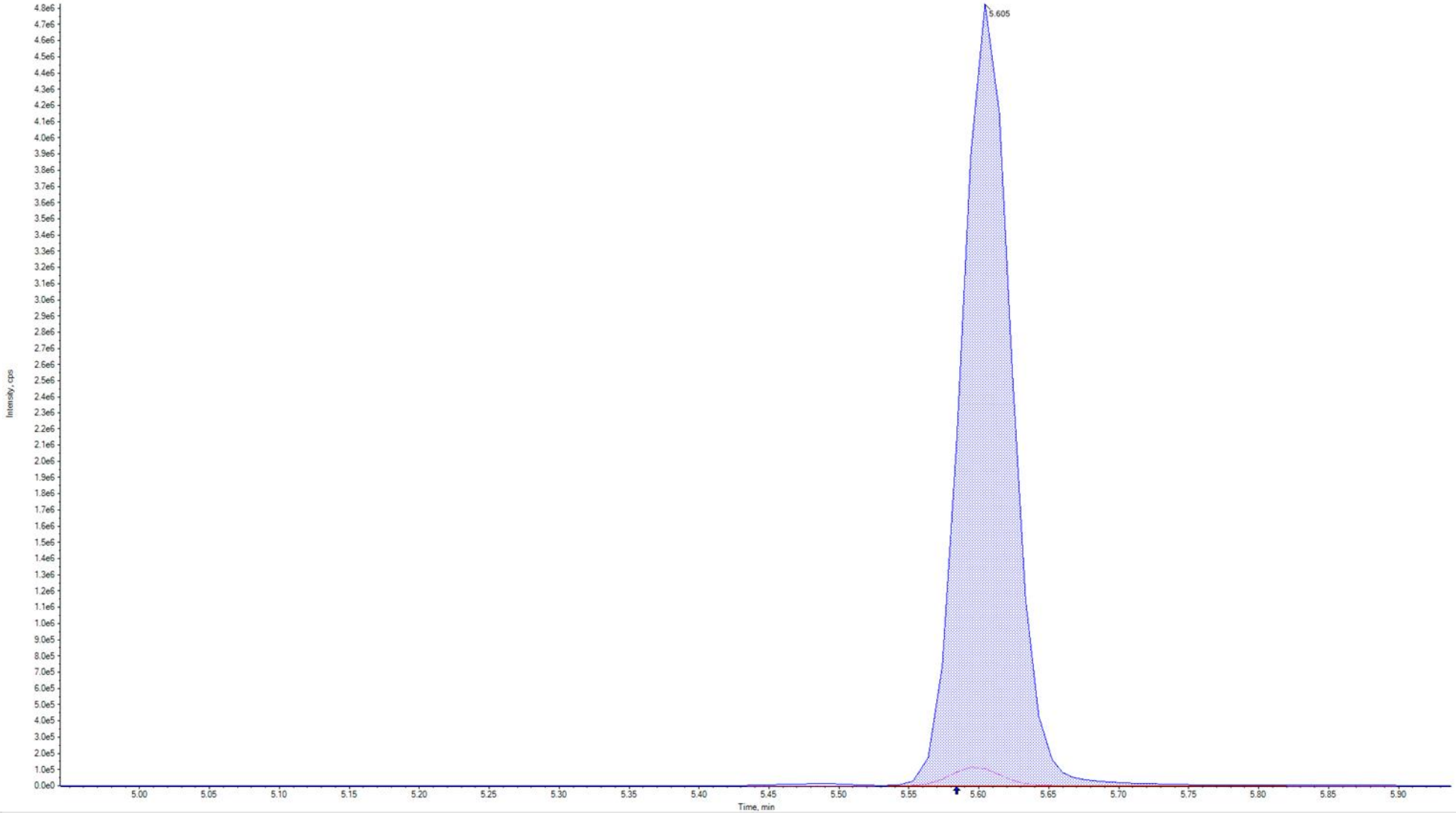
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Alpha Analytical LLC
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PFTrDA_2
Sample: IA1633STD-62.5 S/N:3013.9 Points Across peak:35



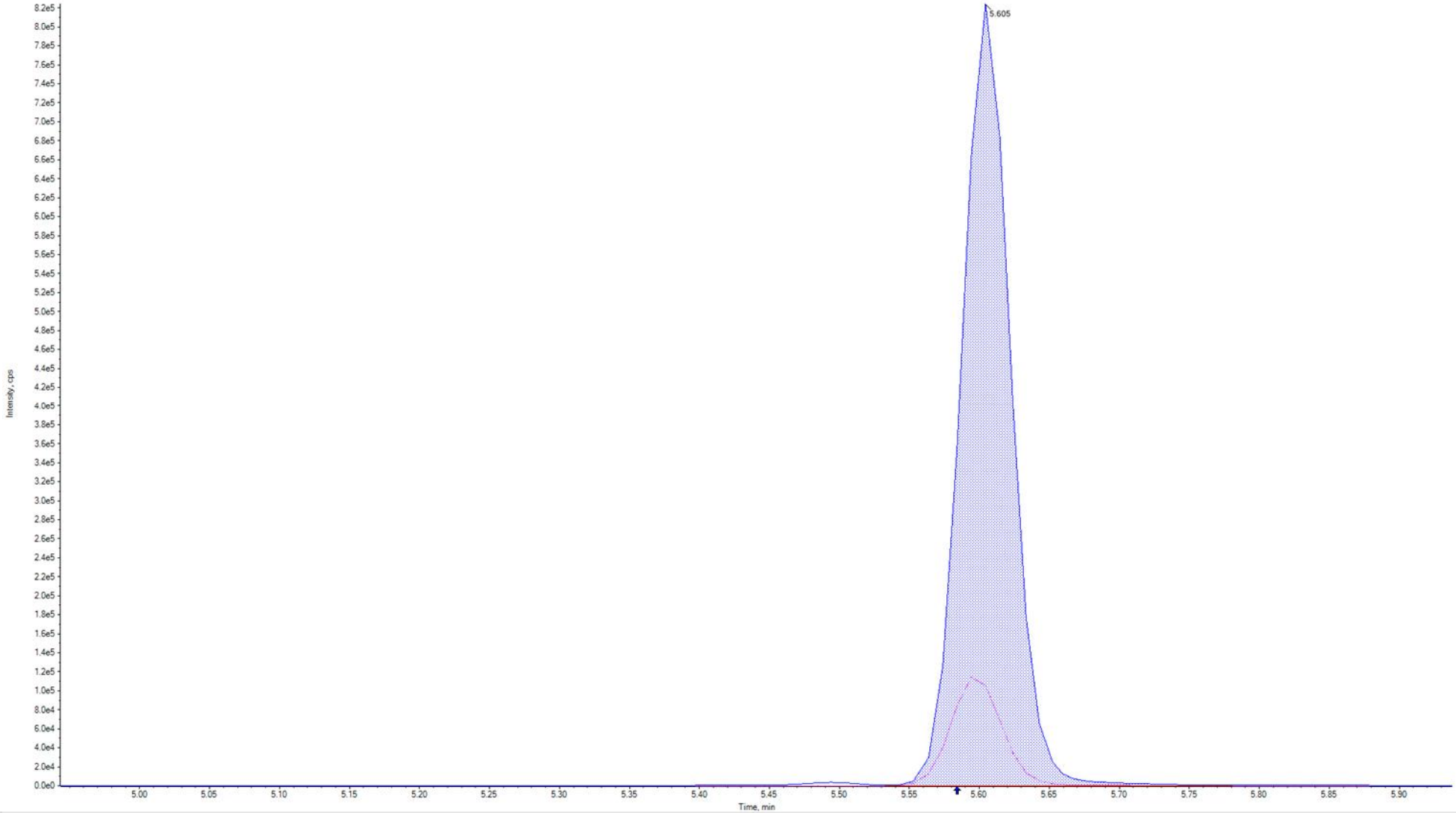
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFTeDA
Sample: IA1633STD-62.5 S/N:12285.1 Points Across peak:31



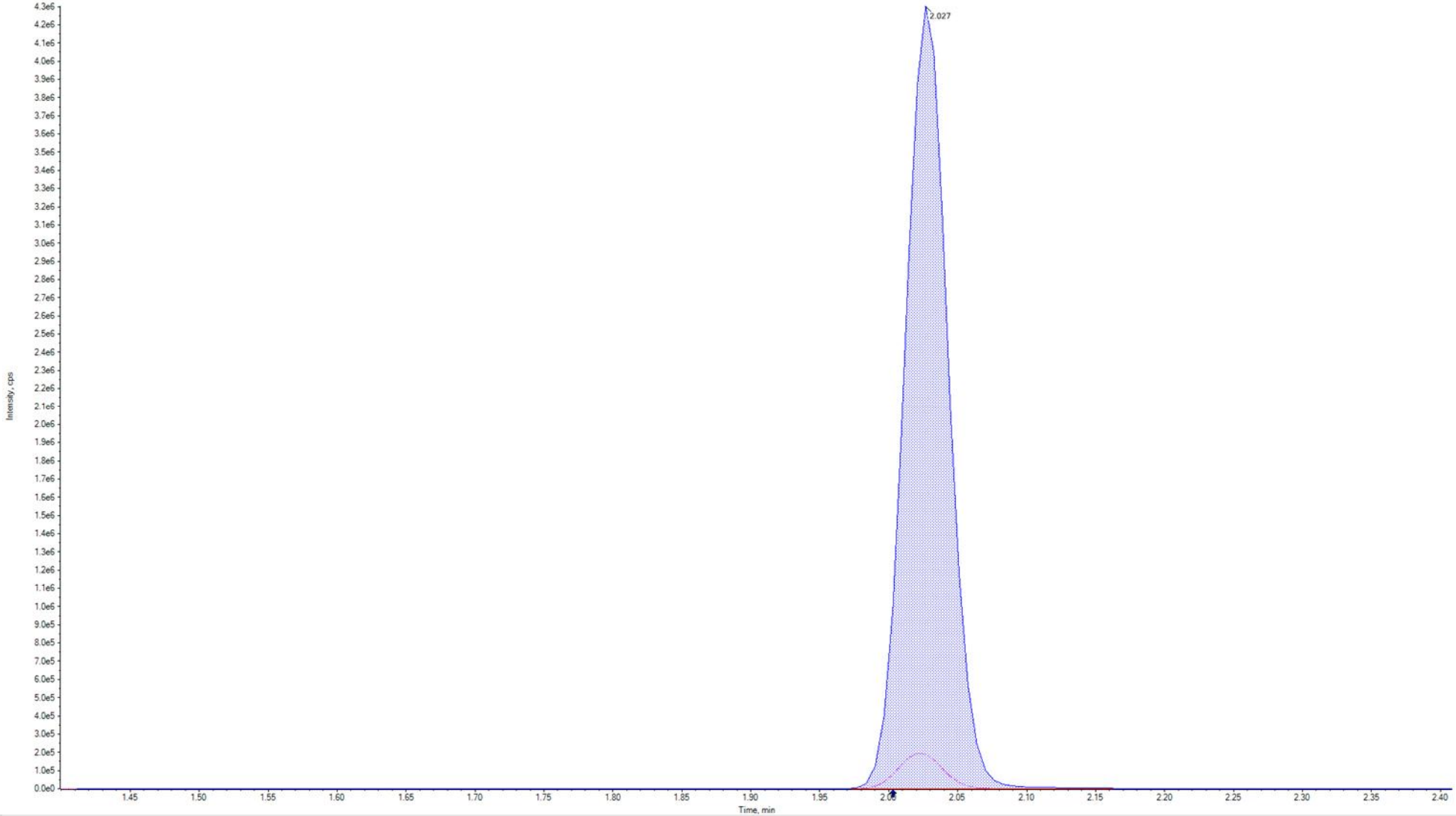
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFTeDA_2
Sample: IA1633STD-62.5 S/N:3353.5 Points Across peak:27



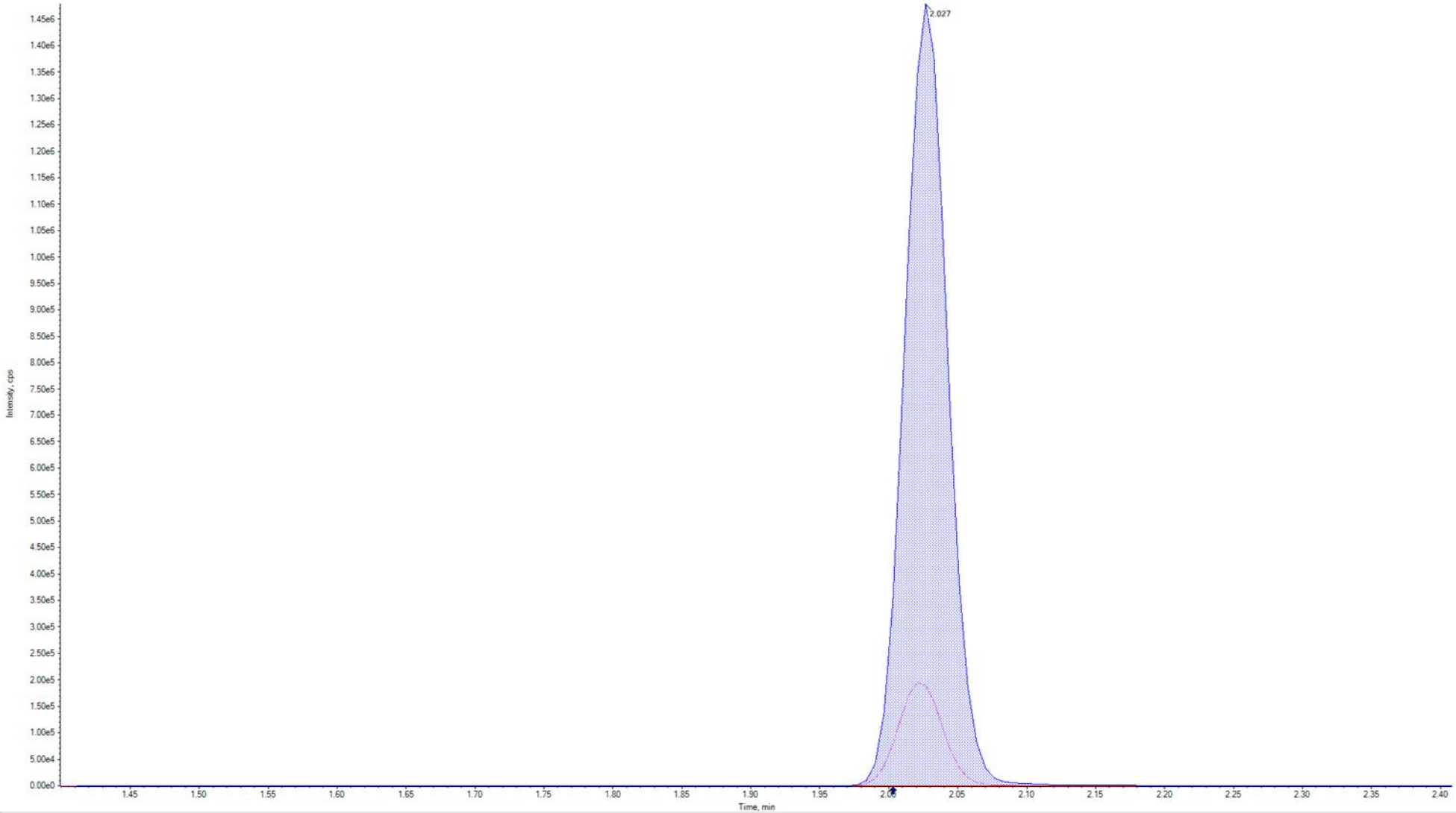
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFBS
Sample: IA1633STD-62.5 S/N:24045.8 Points Across peak:38



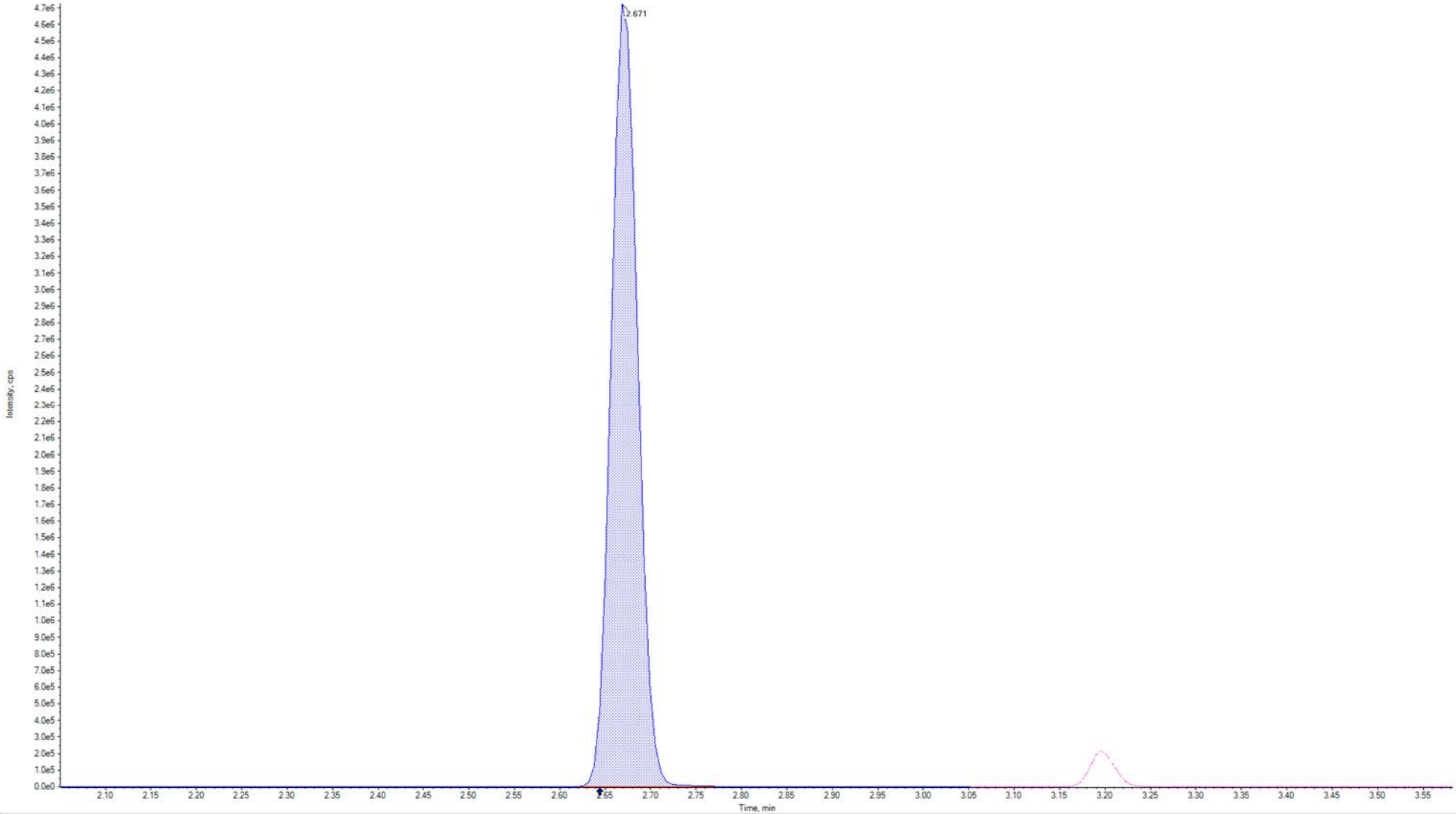
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Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_19.wiff2_9
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFBS_2
Sample: IA1633STD-62.5 S/N:10311.6 Points Across peak:42



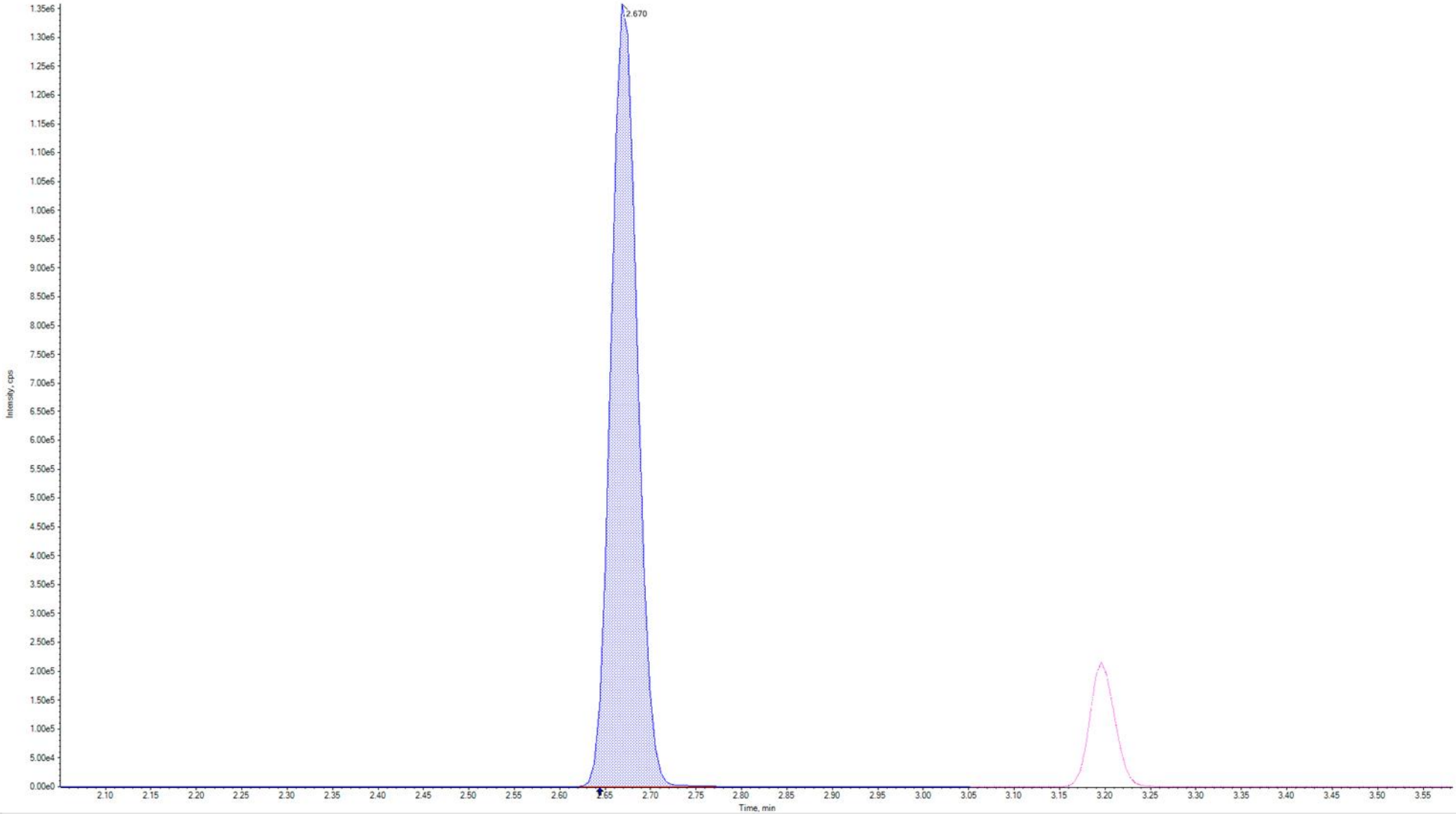
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFPeS
Sample: IA1633STD-62.5 S/N:11248.3 Points Across peak:35



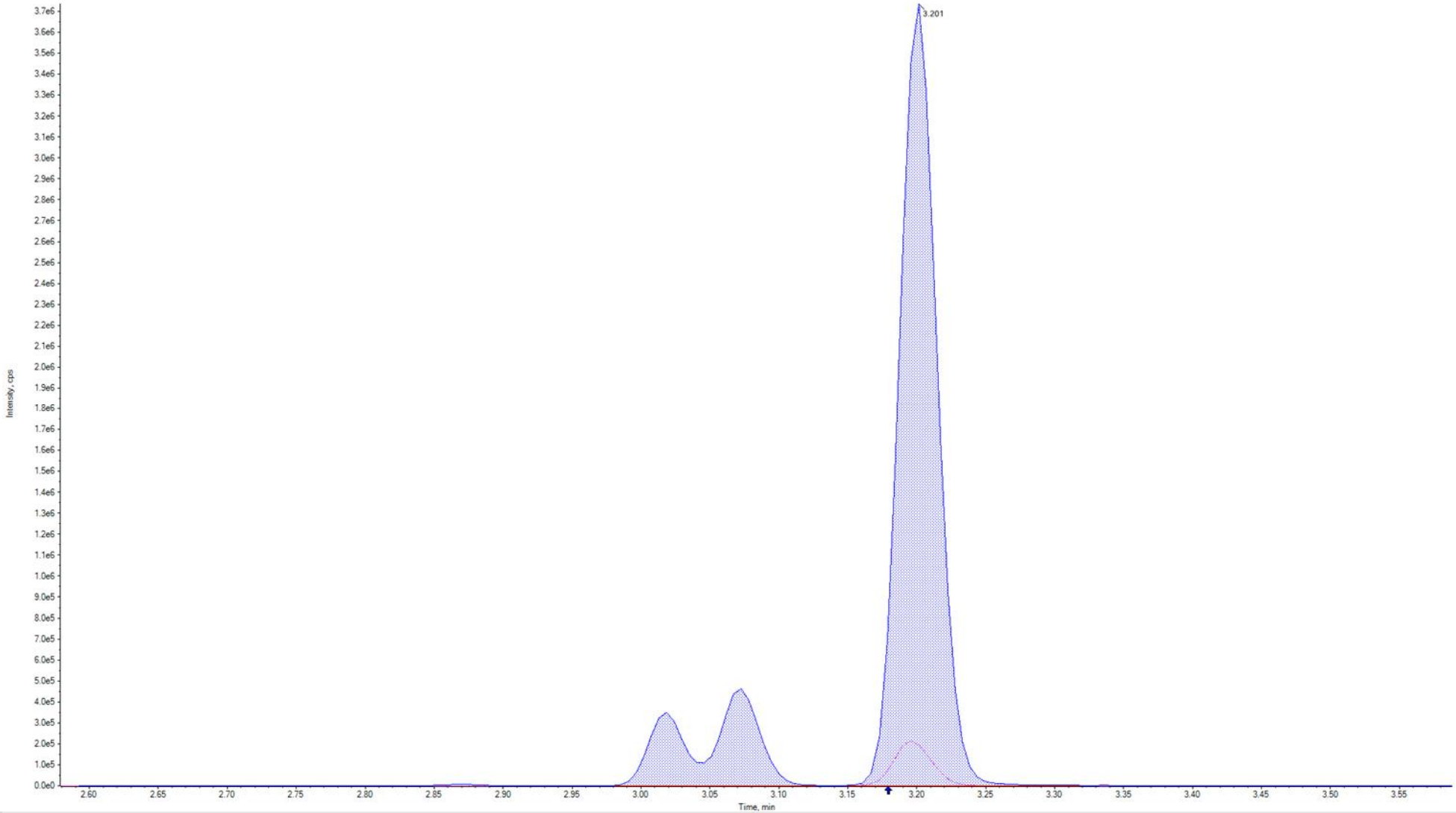
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFPeS_2
Sample: IA1633STD-62.5 S/N:10787.3 Points Across peak:32



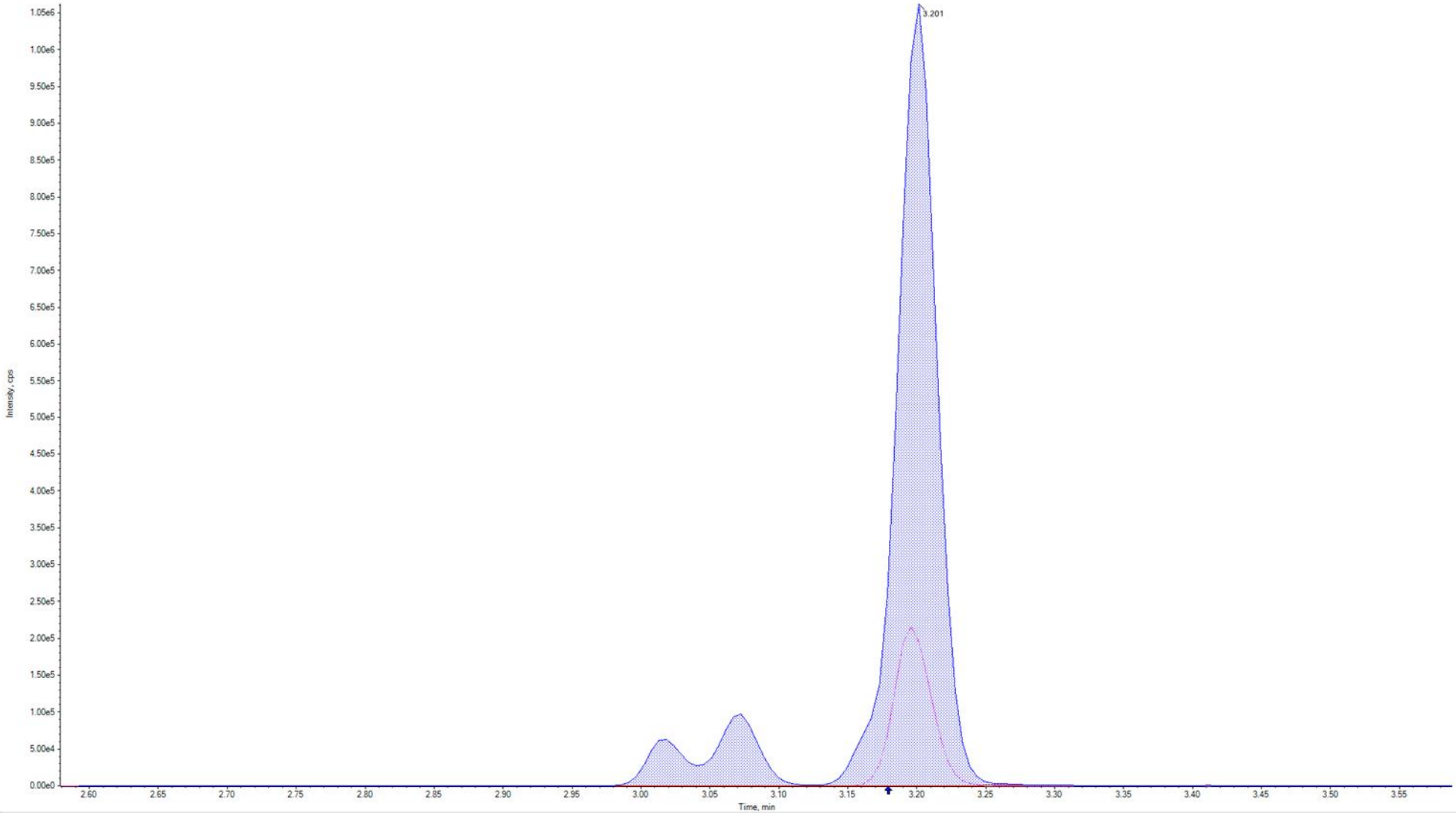
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFHxS
Sample: IA1633STD-62.5 S/N:1026.4 Points Across peak:71



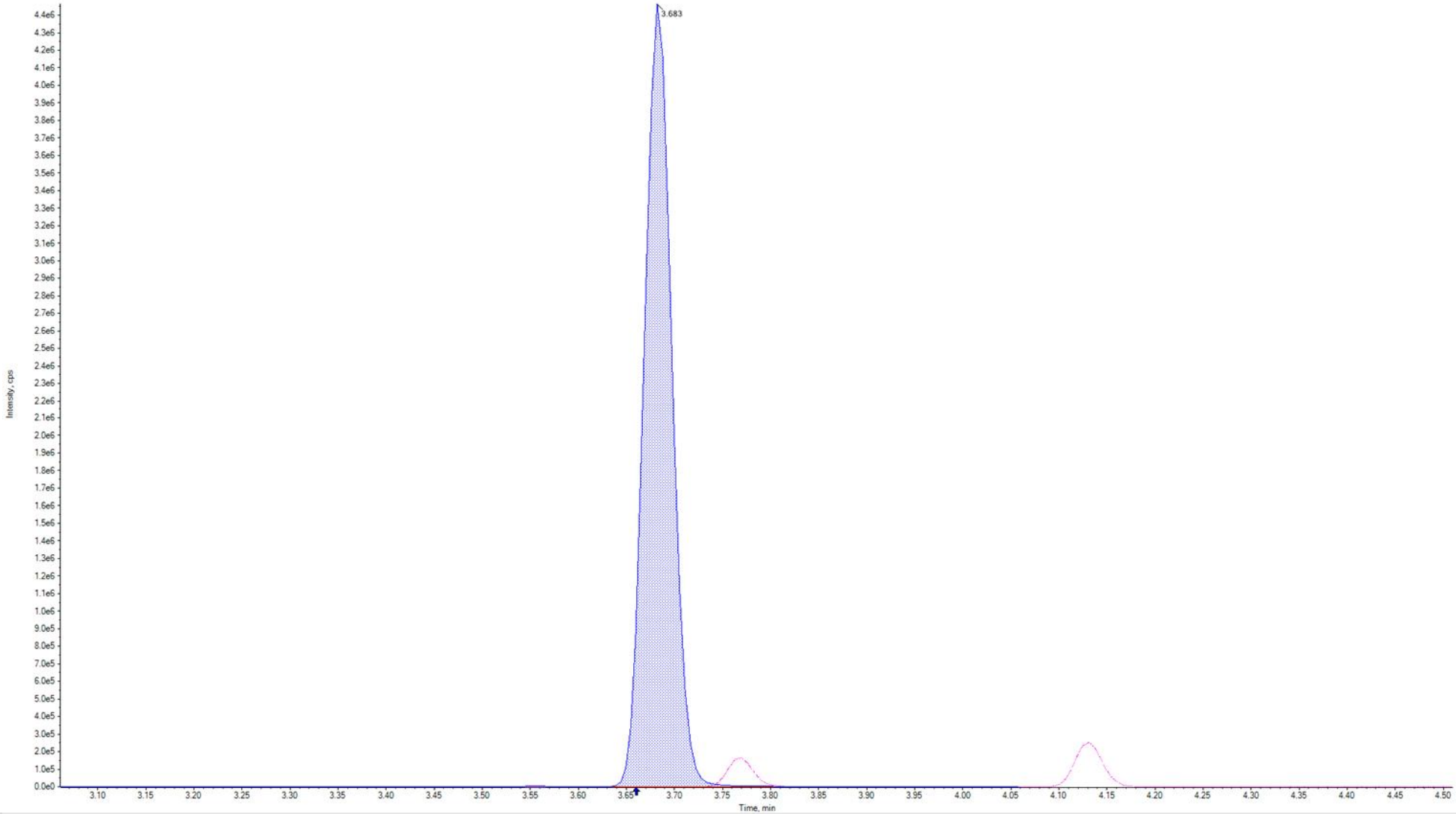
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFHxS_2
Sample: IA1633STD-62.5 S/N:1258.6 Points Across peak:62



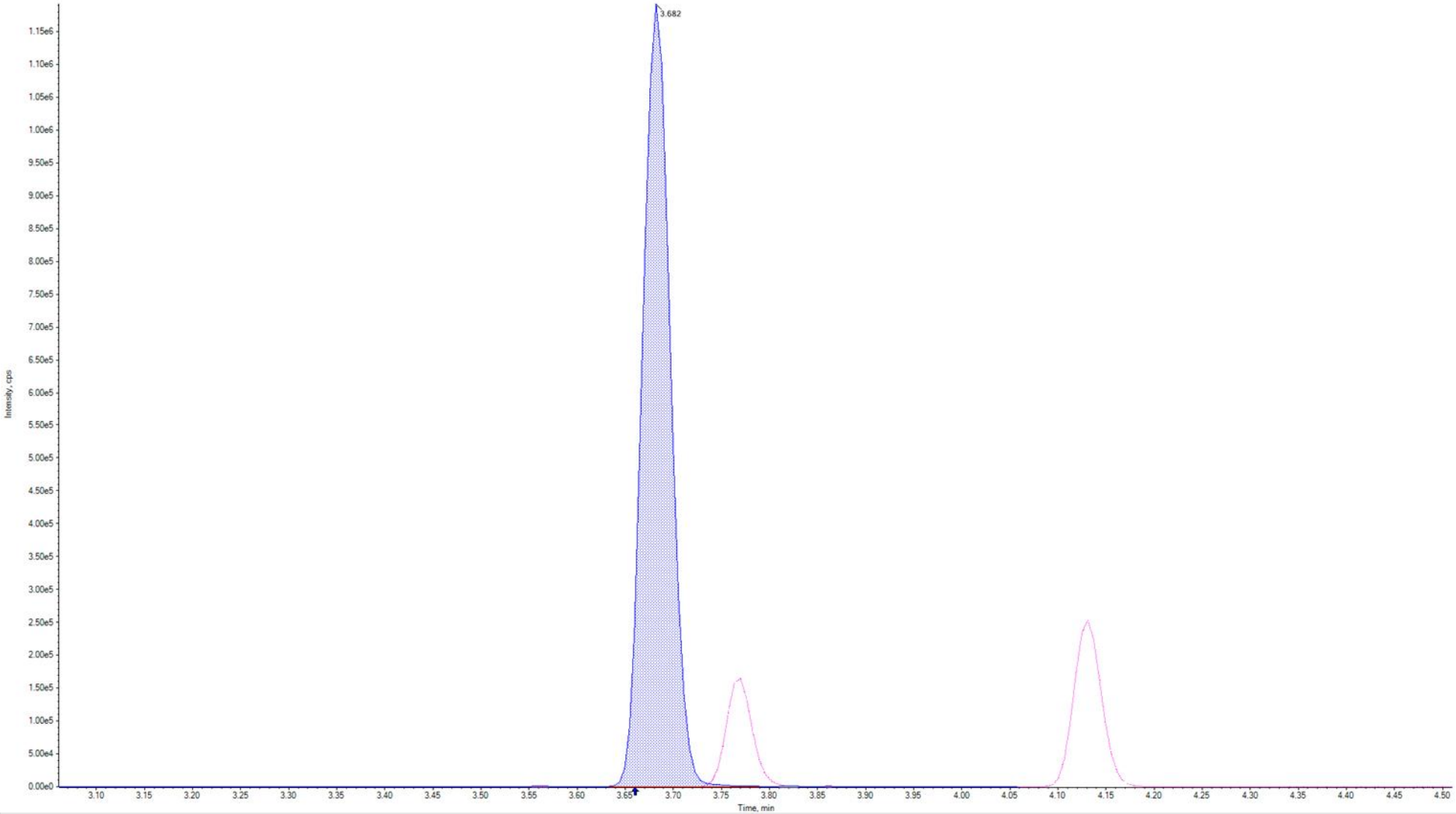
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFHpS
Sample: IA1633STD-62.5 S/N:89517.4 Points Across peak:46



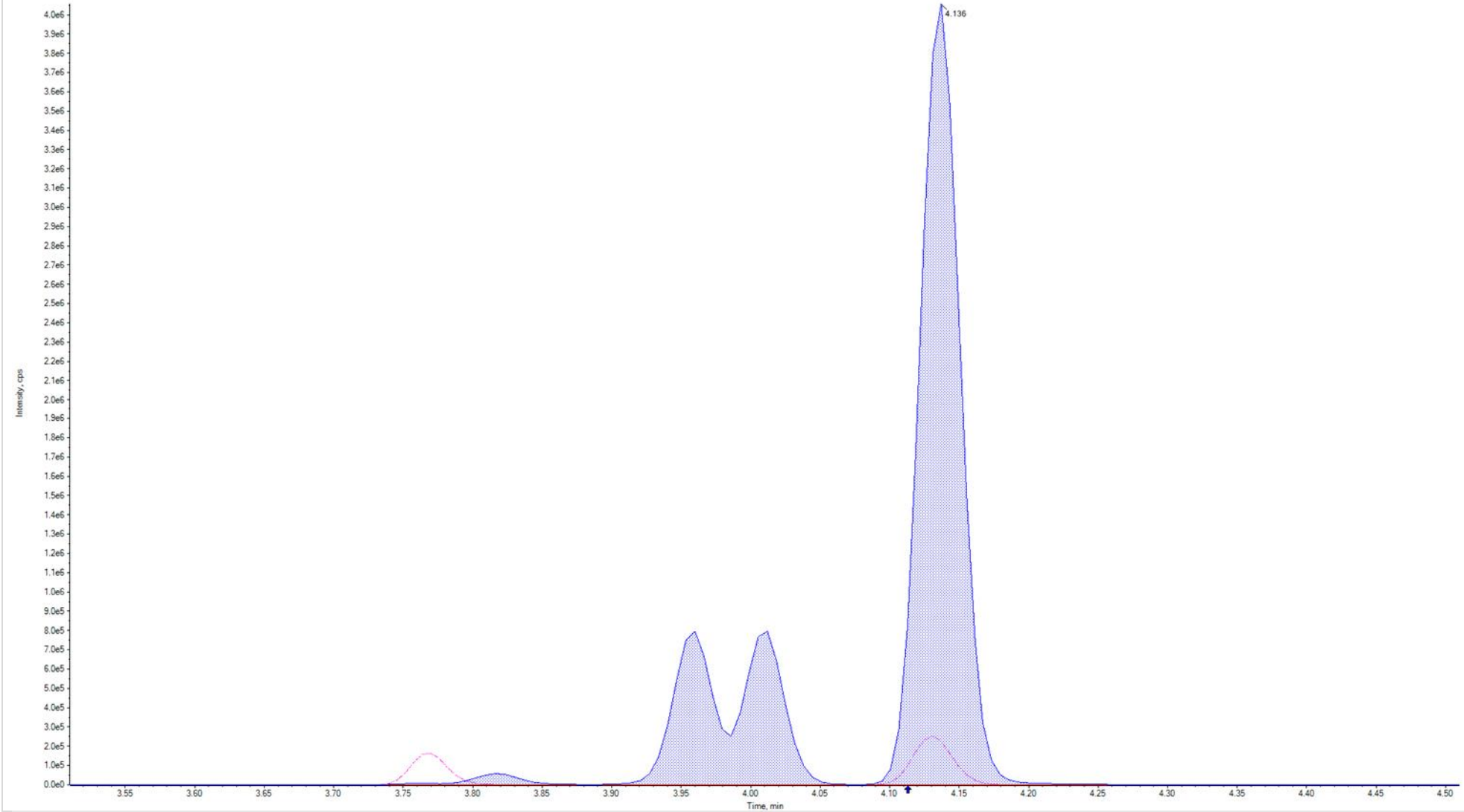
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFHpS_2
Sample: IA1633STD-62.5 S/N:10190.6 Points Across peak:33



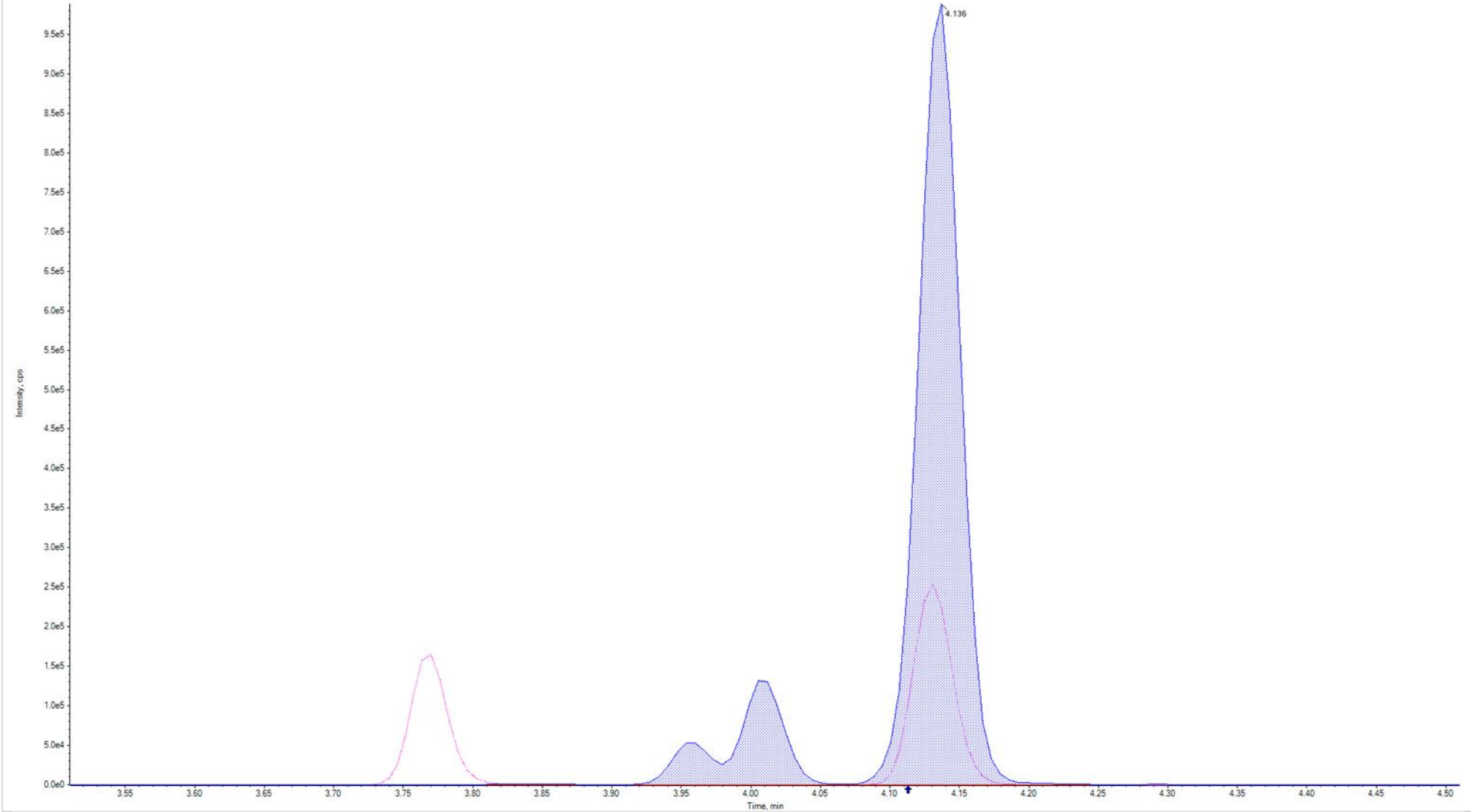
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFOS
Sample: IA1633STD-62.5 S/N:553.1 Points Across peak:88



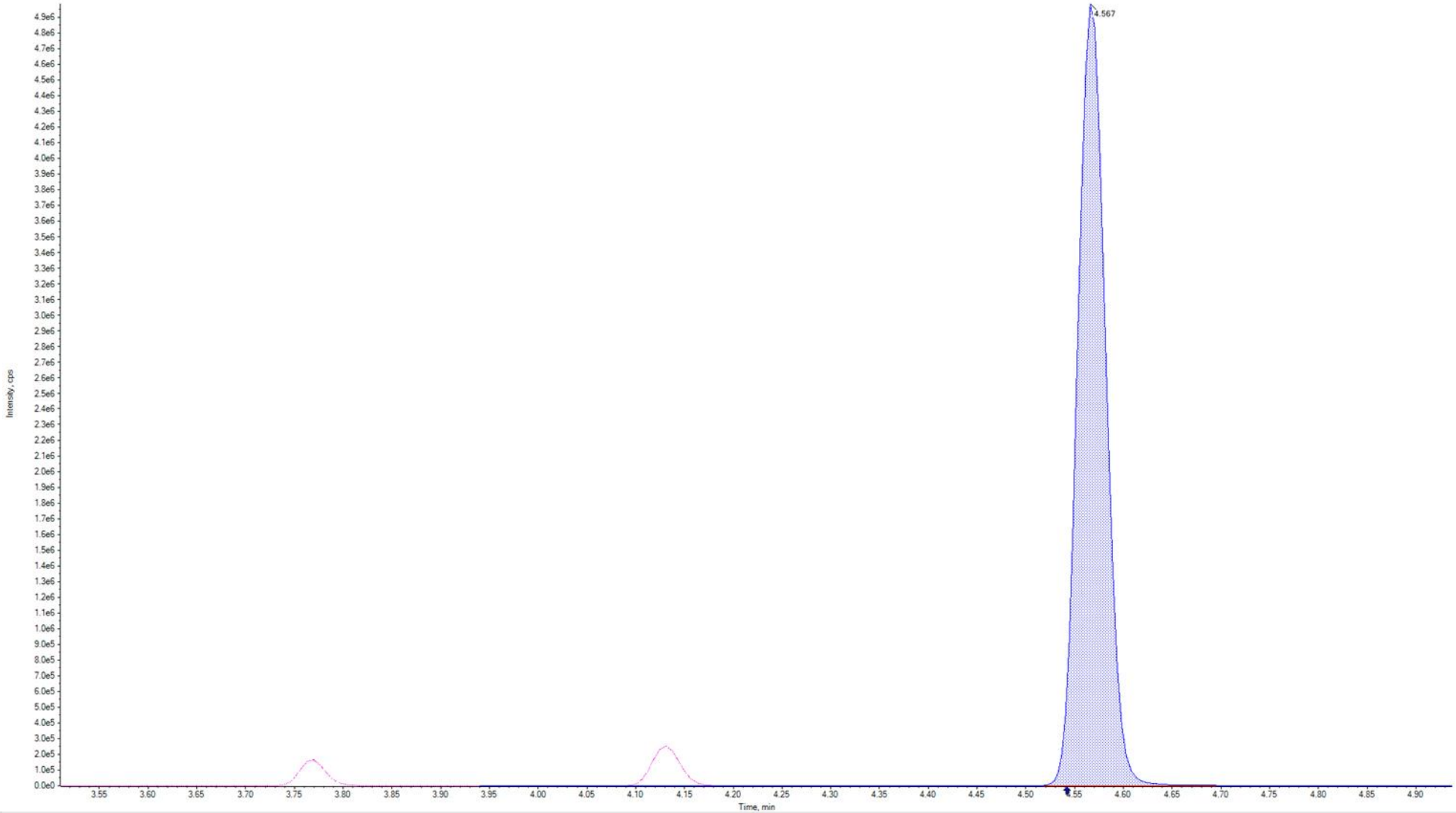
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFOS_2
Sample: IA1633STD-62.5 S/N:1150.5 Points Across peak:77

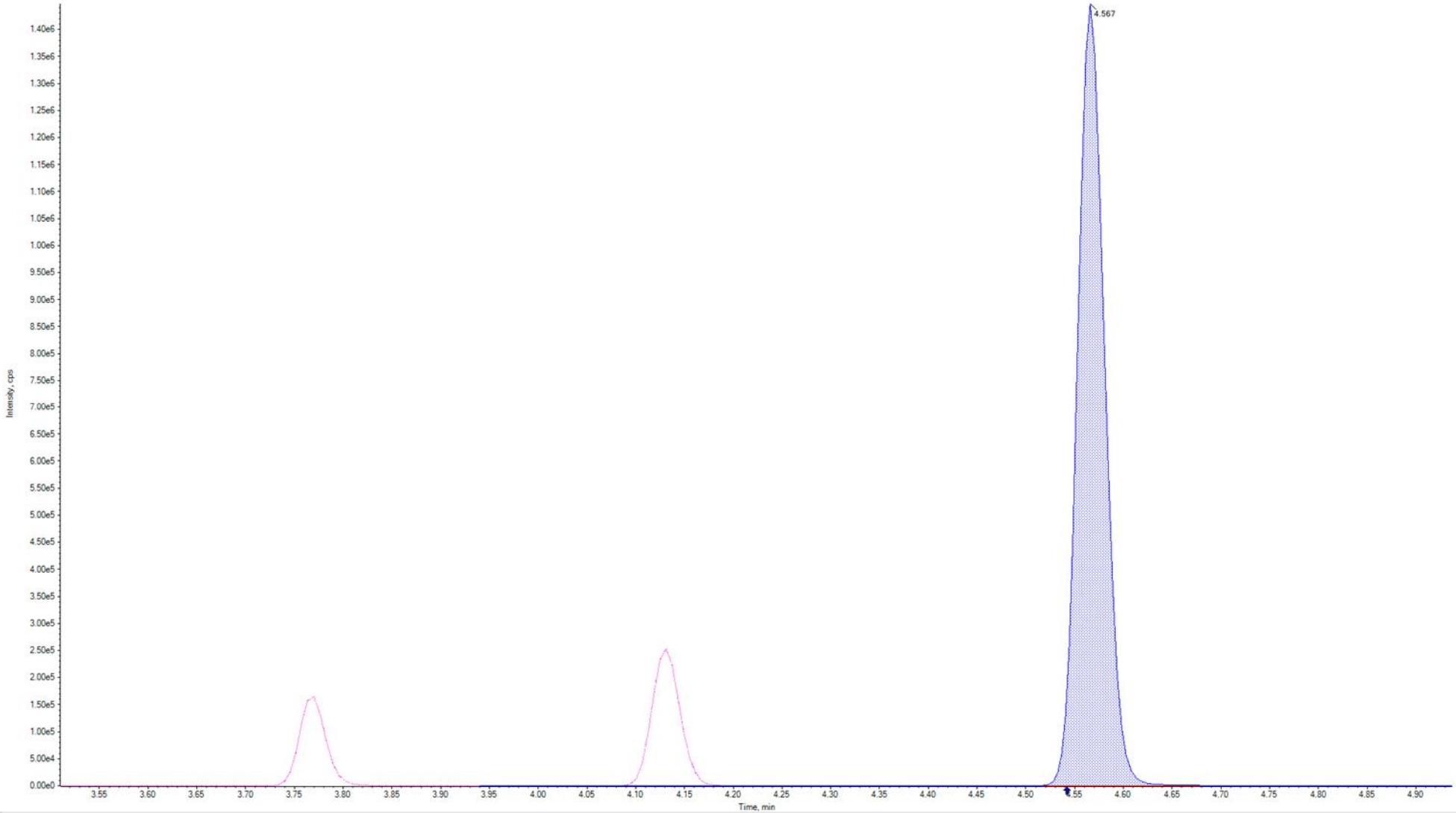


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFNS
Sample: IA1633STD-62.5 S/N:7659.2 Points Across peak:47



PFNS_2
Sample: IA1633STD-62.5 S/N:8982.4 Points Across peak:40



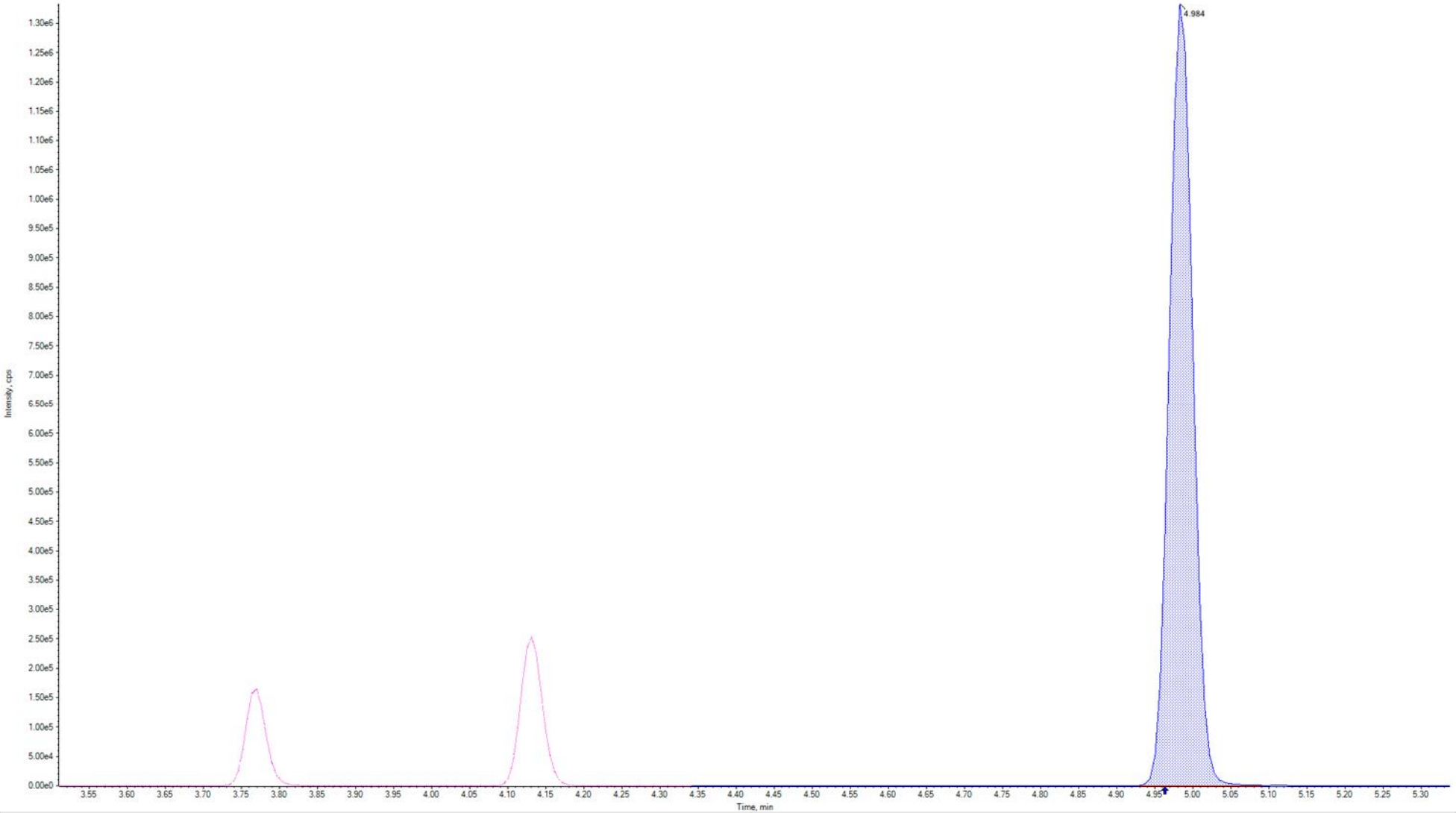
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFDS
Sample: IA1633STD-62.5 S/N:140519.9 Points Across peak:47



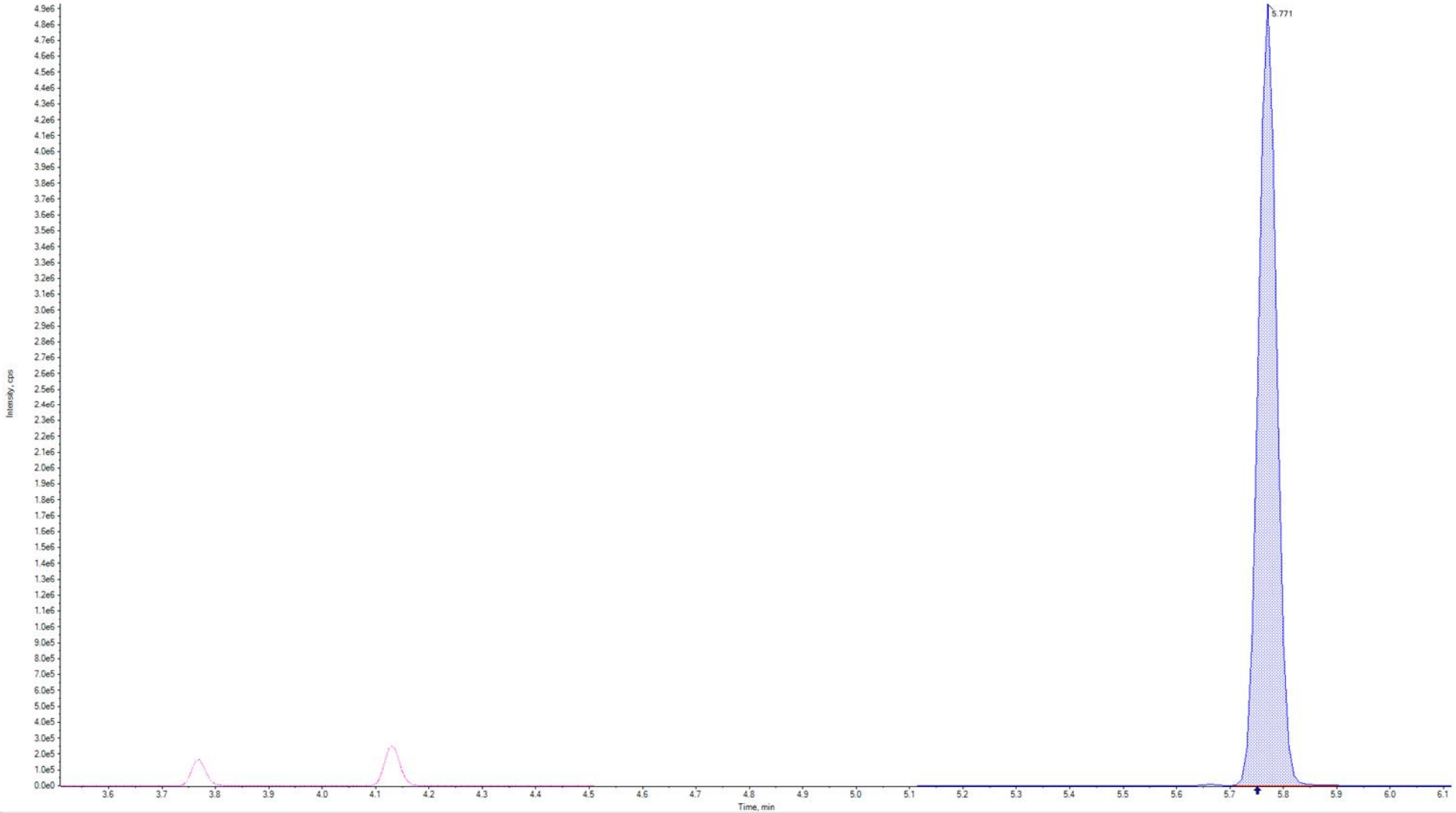
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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PFDS_2
Sample: IA1633STD-62.5 S/N:14544.1 Points Across peak:32



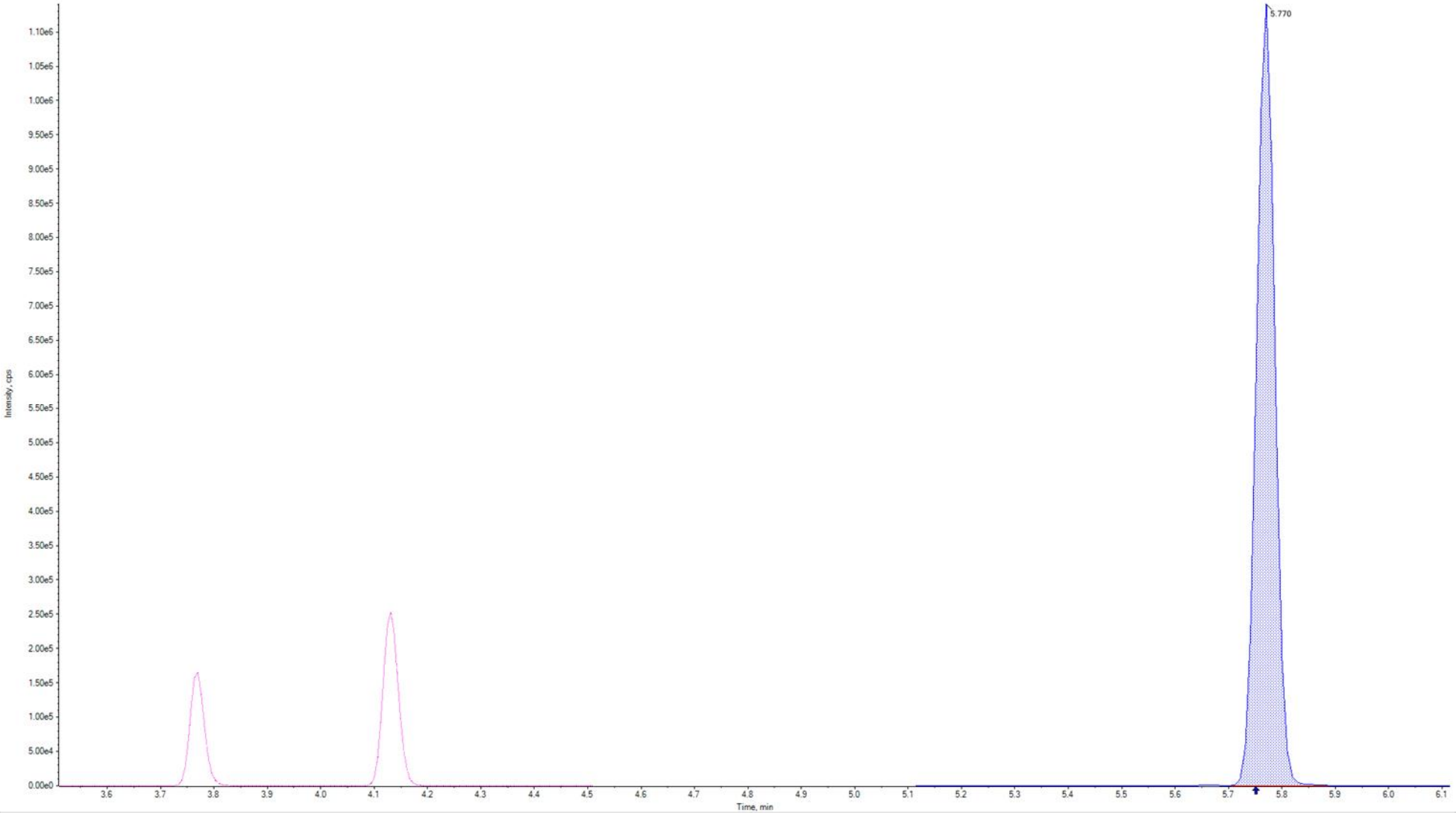
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFDoS
Sample: IA1633STD-62.5 S/N:21696.4 Points Across peak:35



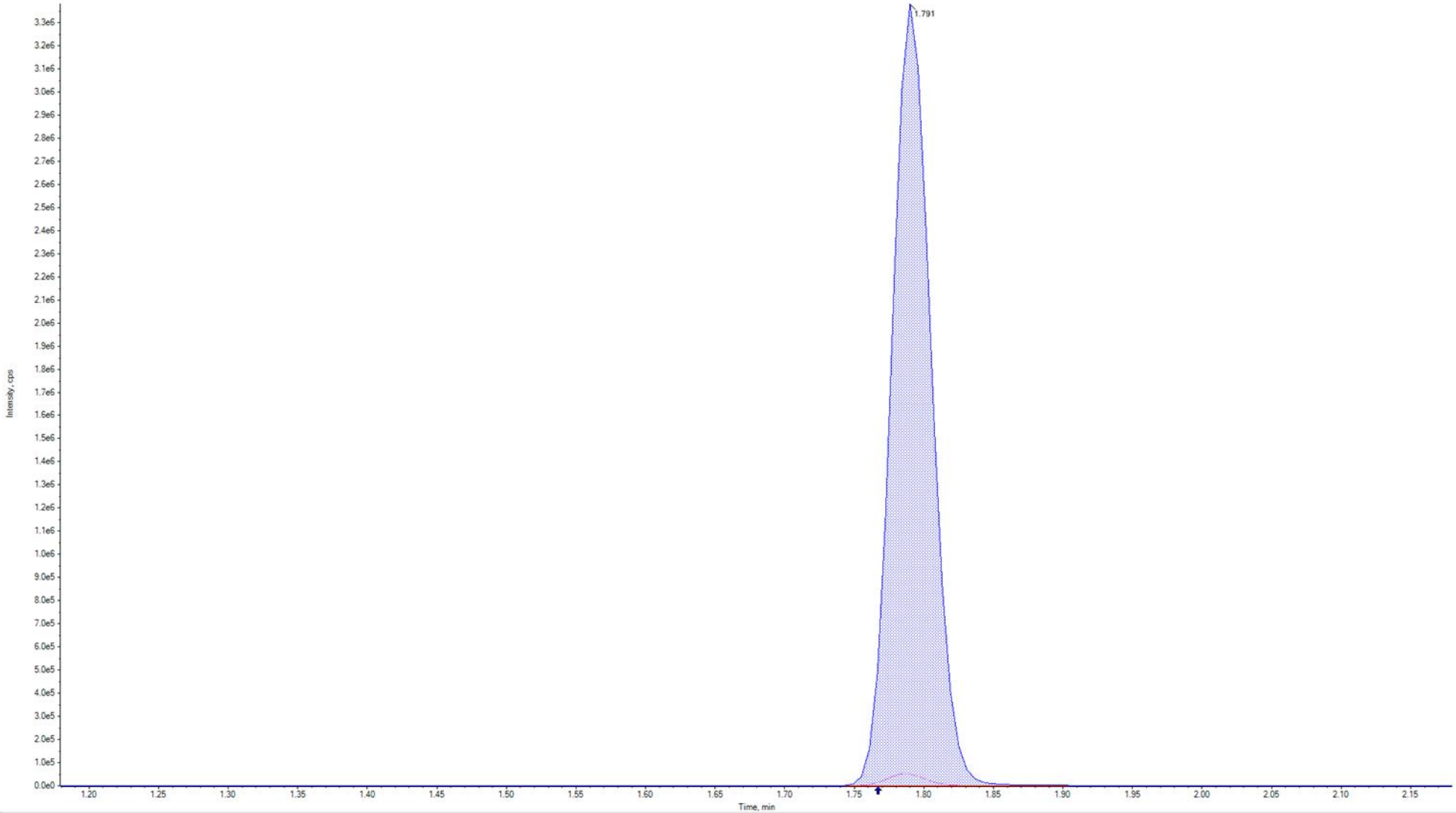
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFDoS_2
Sample: IA1633STD-62.5 S/N:88654.2 Points Across peak:29



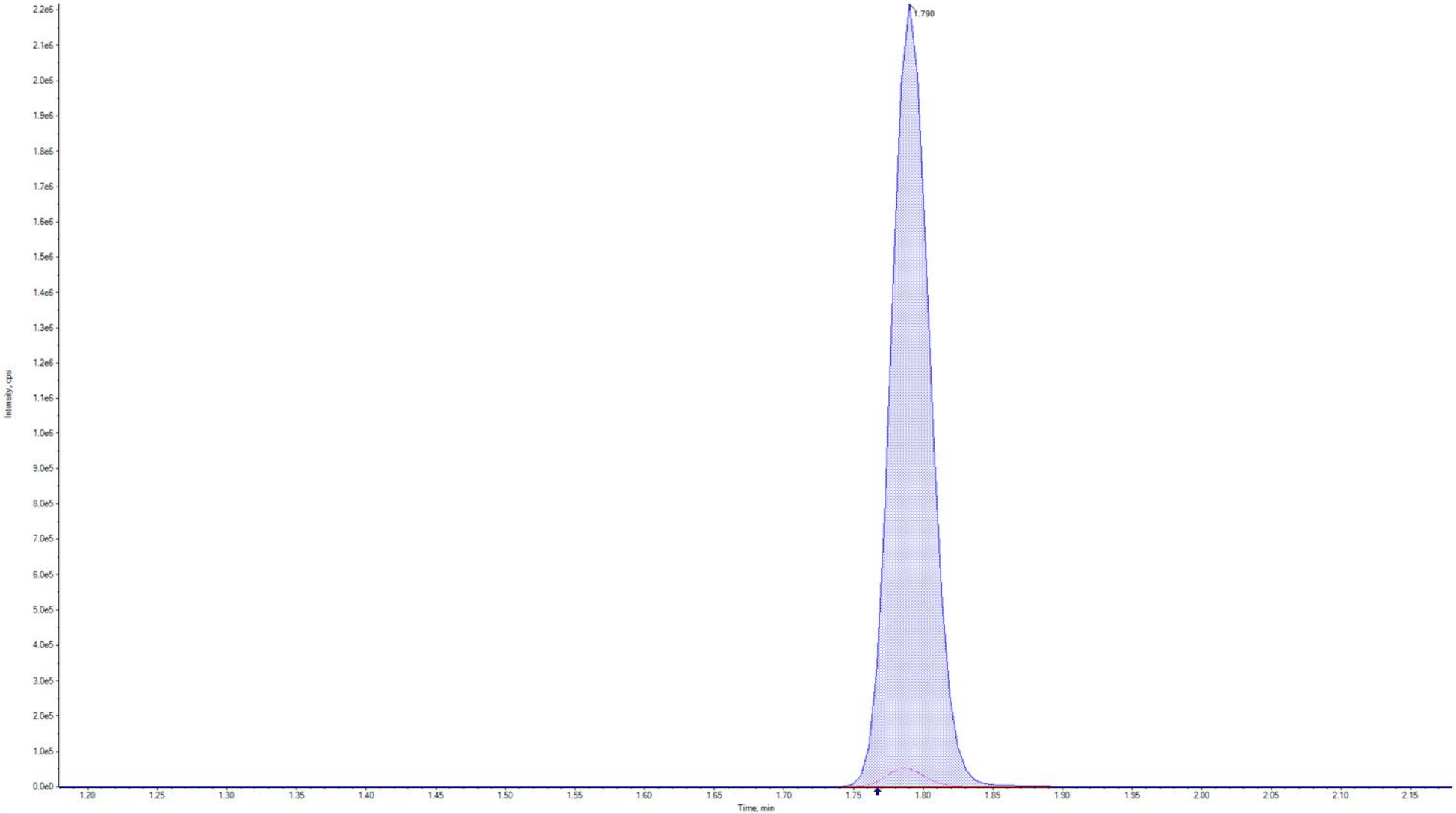
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

4:2FTS
Sample: IA1633STD-62.5 S/N:12844.1 Points Across peak:39



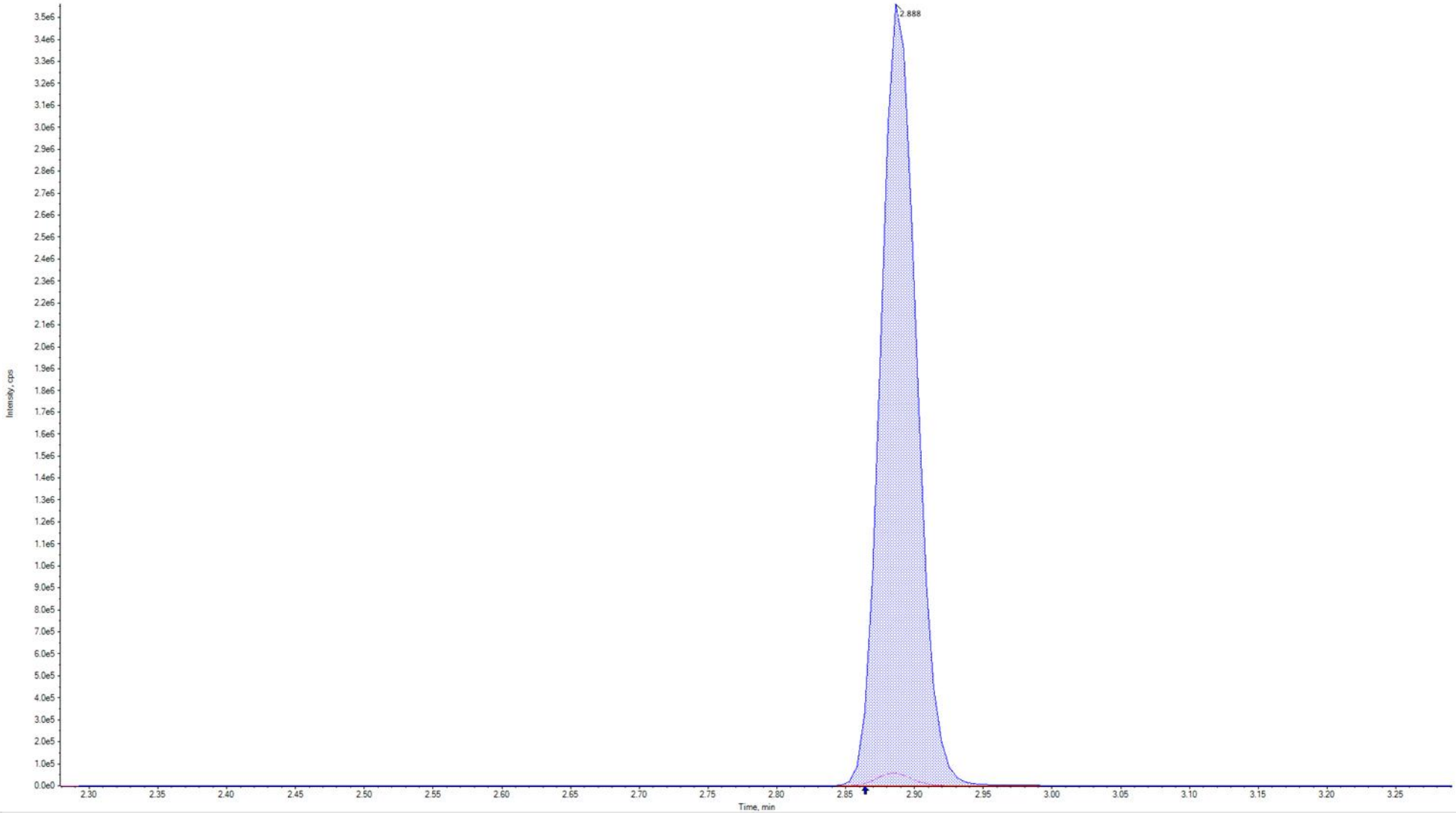
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

4:2FTS_2
Sample: IA1633STD-62.5 S/N:11011.1 Points Across peak:42



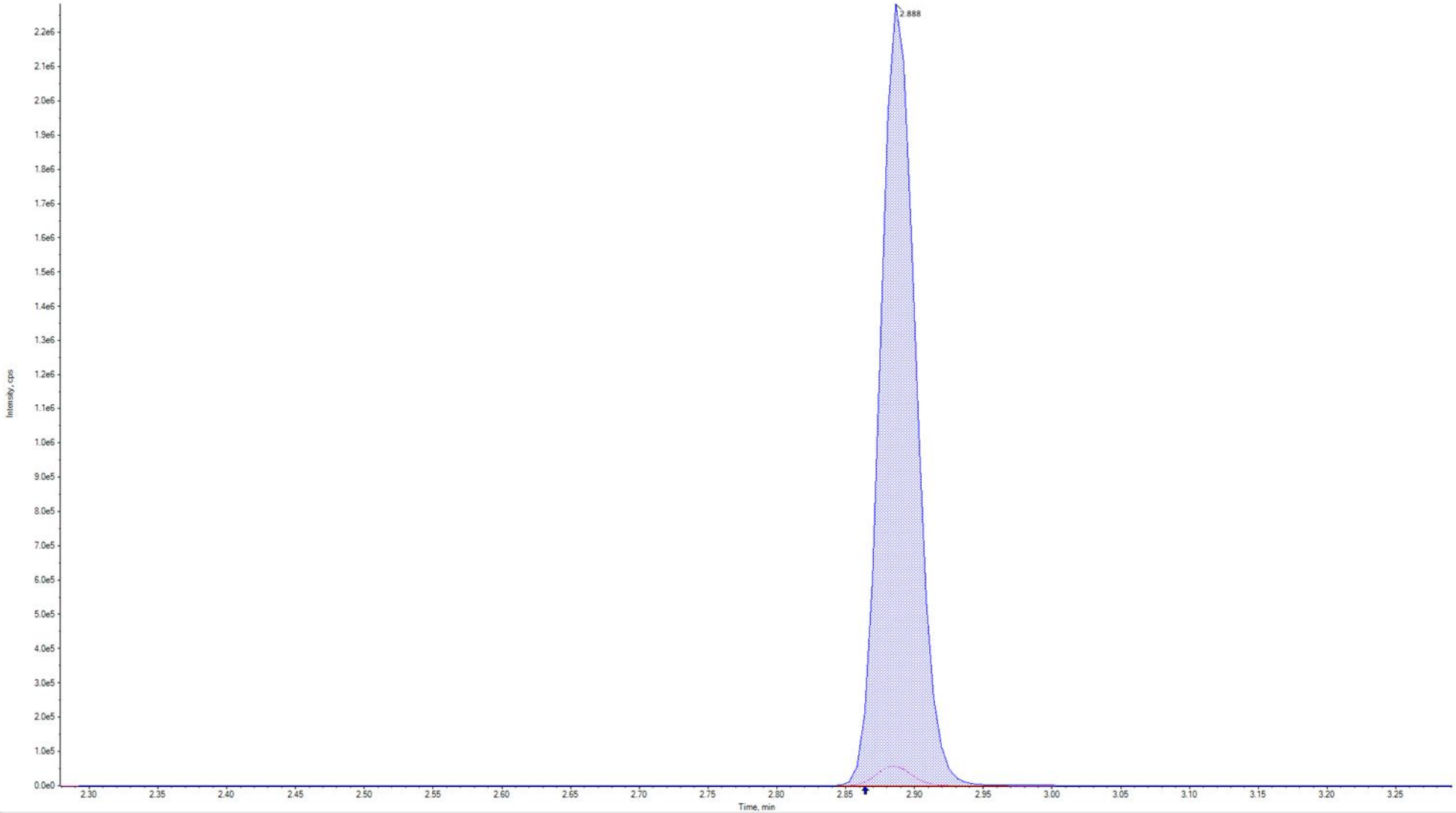
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

6:2FTS
Sample: IA1633STD-62.5 S/N:18169.6 Points Across peak:33



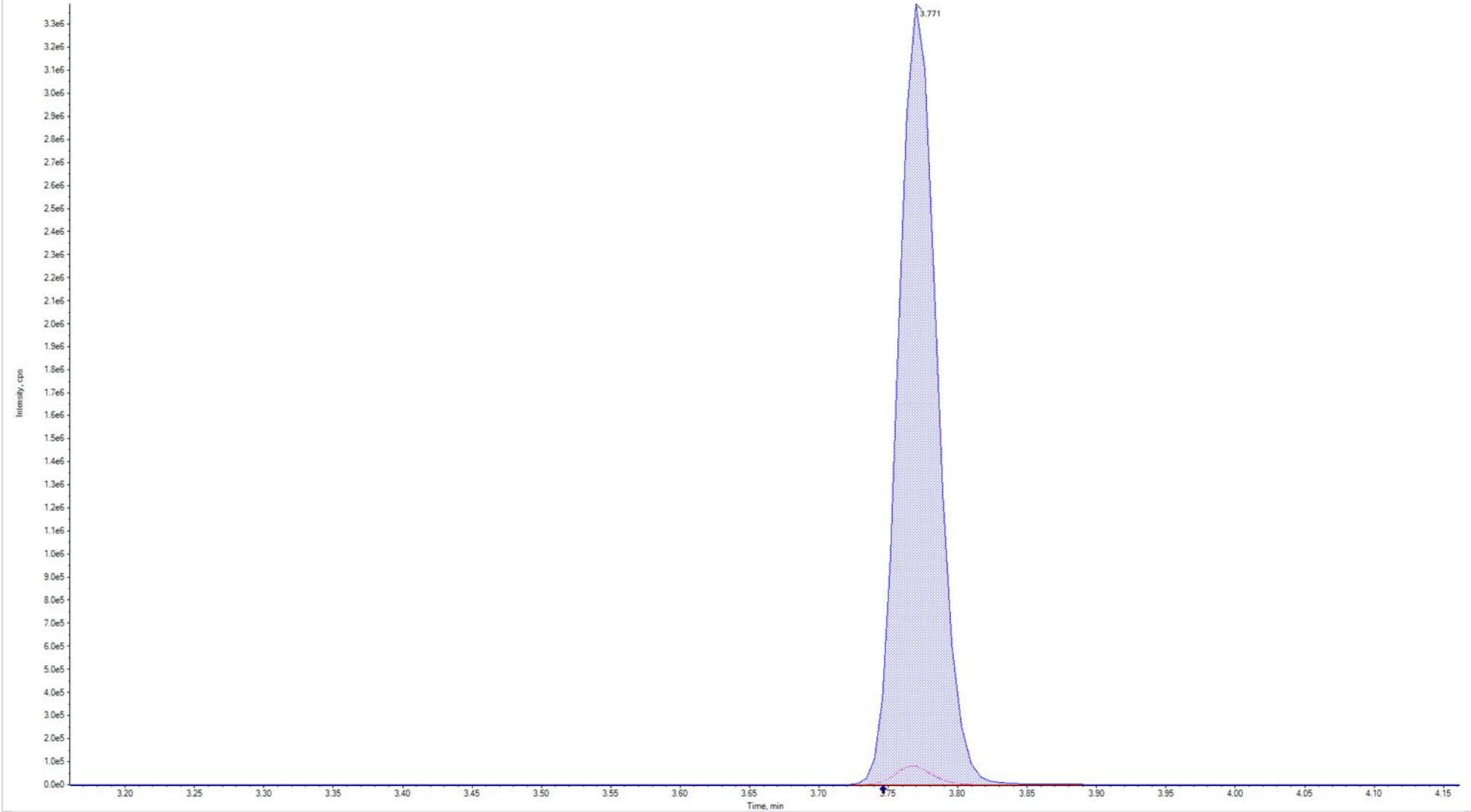
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

6:2FTS_2
Sample: IA1633STD-62.5 S/N:45777.3 Points Across peak:24



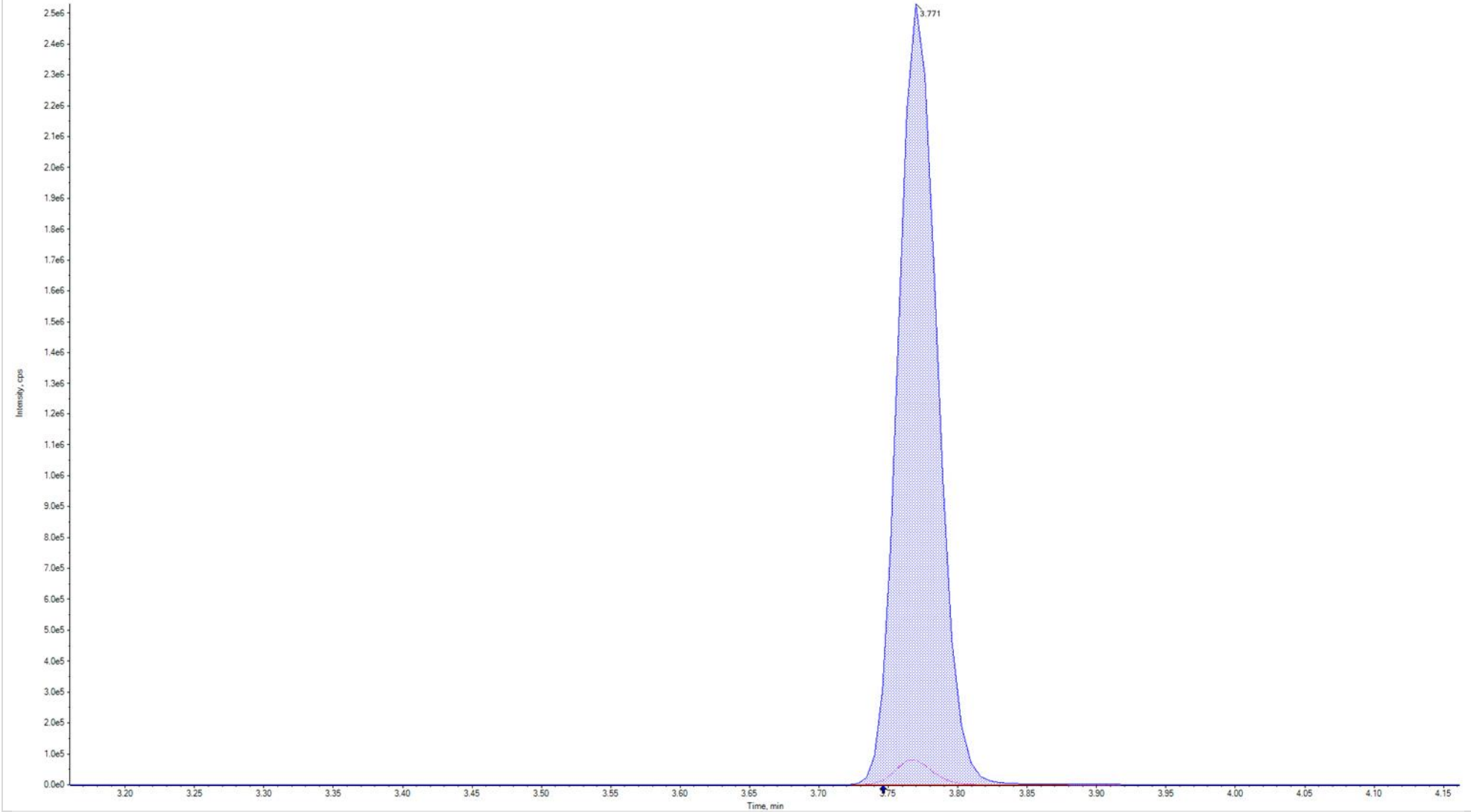
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_19.wiff2_9
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

8:2FTS
Sample: IA1633STD-62.5 S/N:14216.7 Points Across peak:34



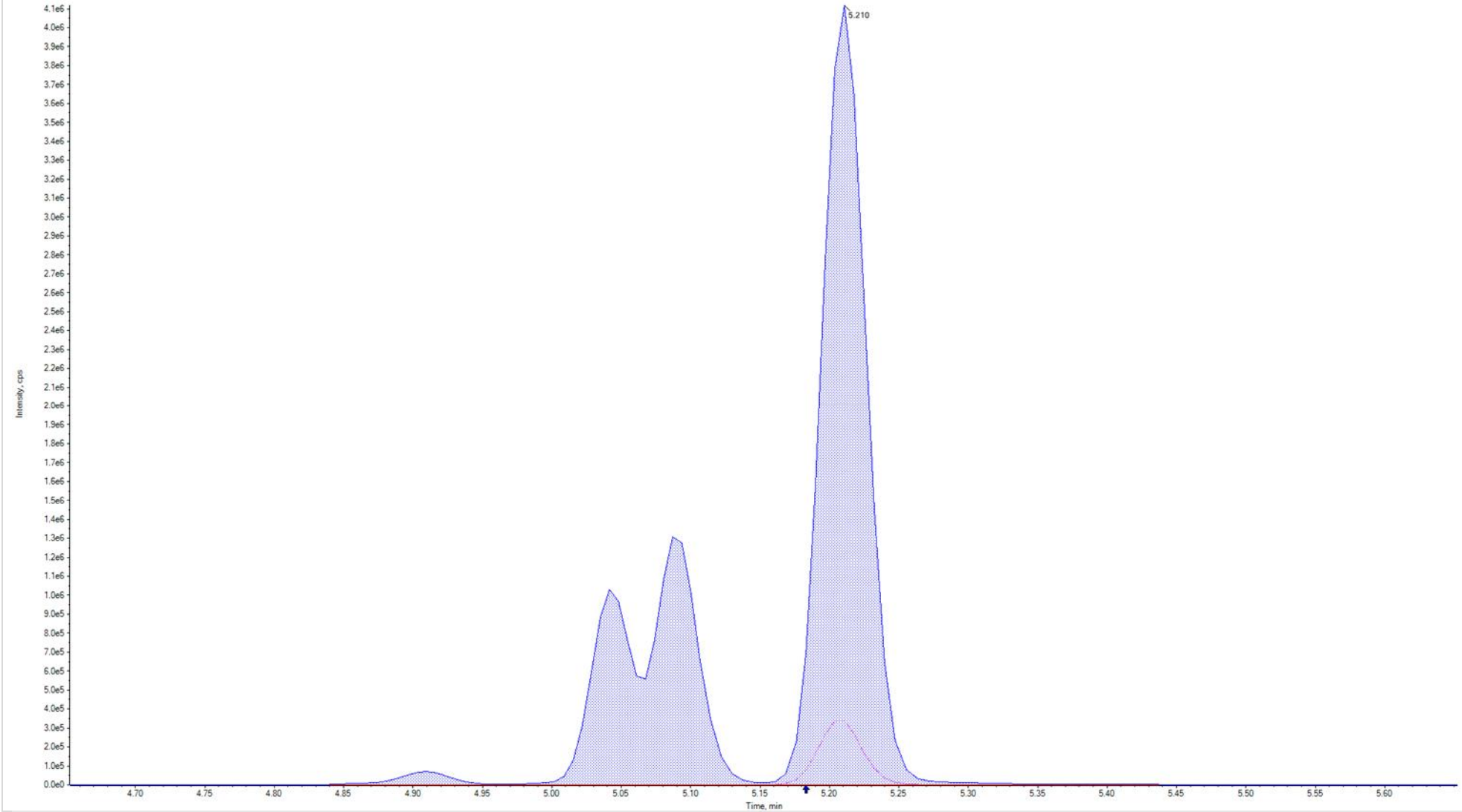
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_19.wiff2_9
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

8:2FTS_2
Sample: IA1633STD-62.5 S/N:9848.0 Points Across peak:28



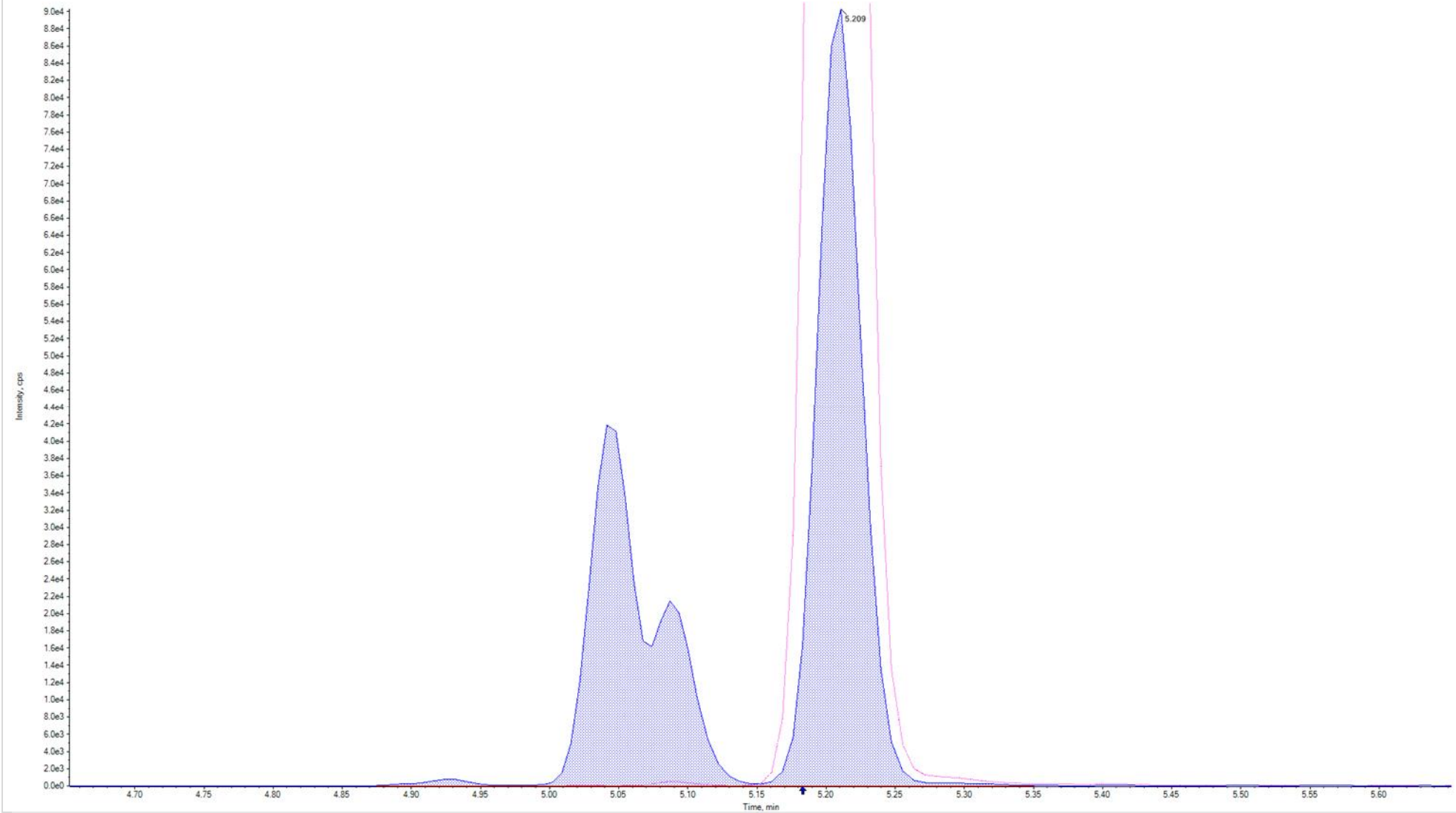
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Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_19.wiff2_9
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFOSA
Sample: IA1633STD-62.5 S/N:238.9 Points Across peak:96



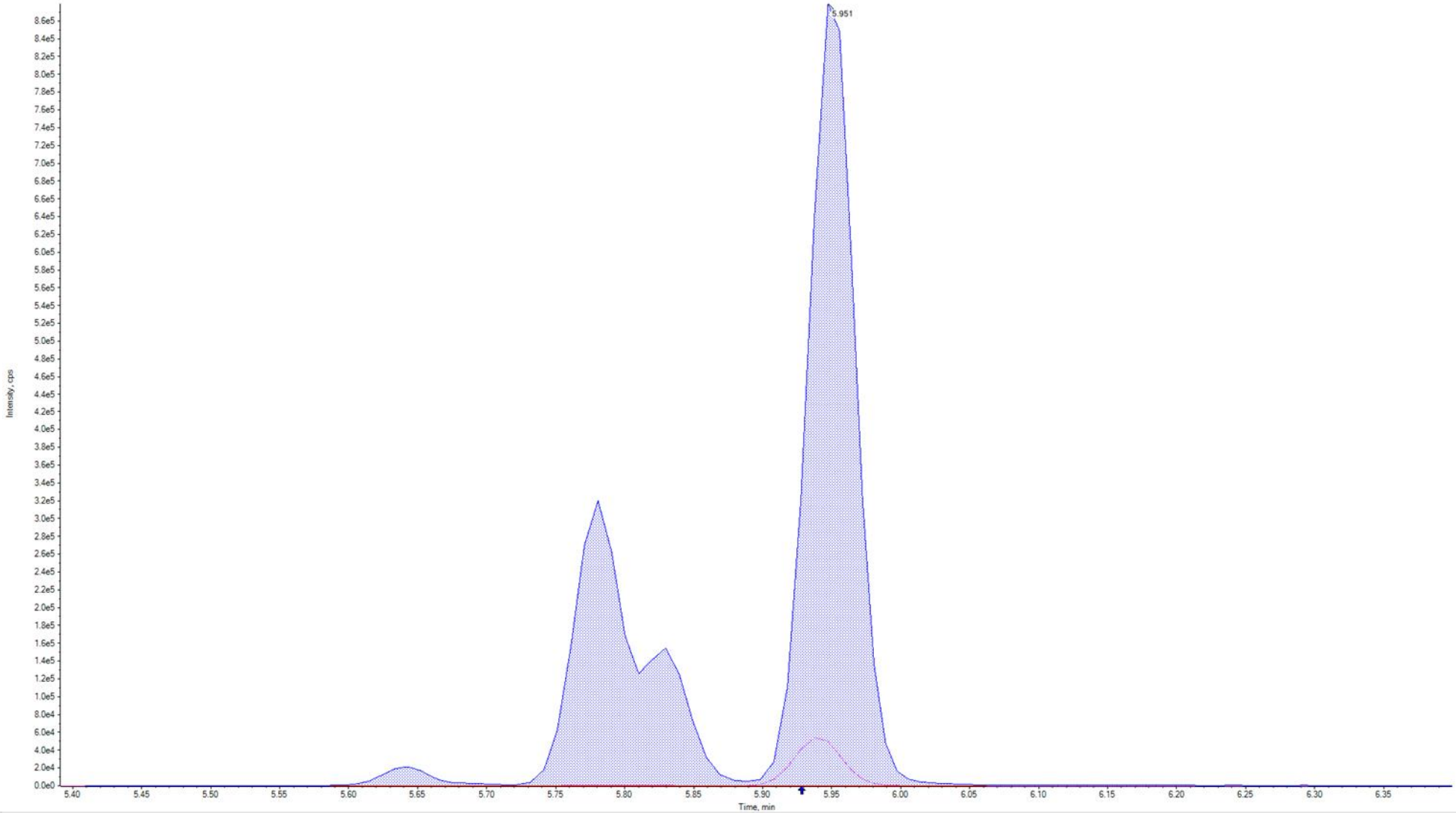
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_19.wiff2_9
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFOSA_2
Sample: IA1633STD-62.5 S/N:302.0 Points Across peak:73



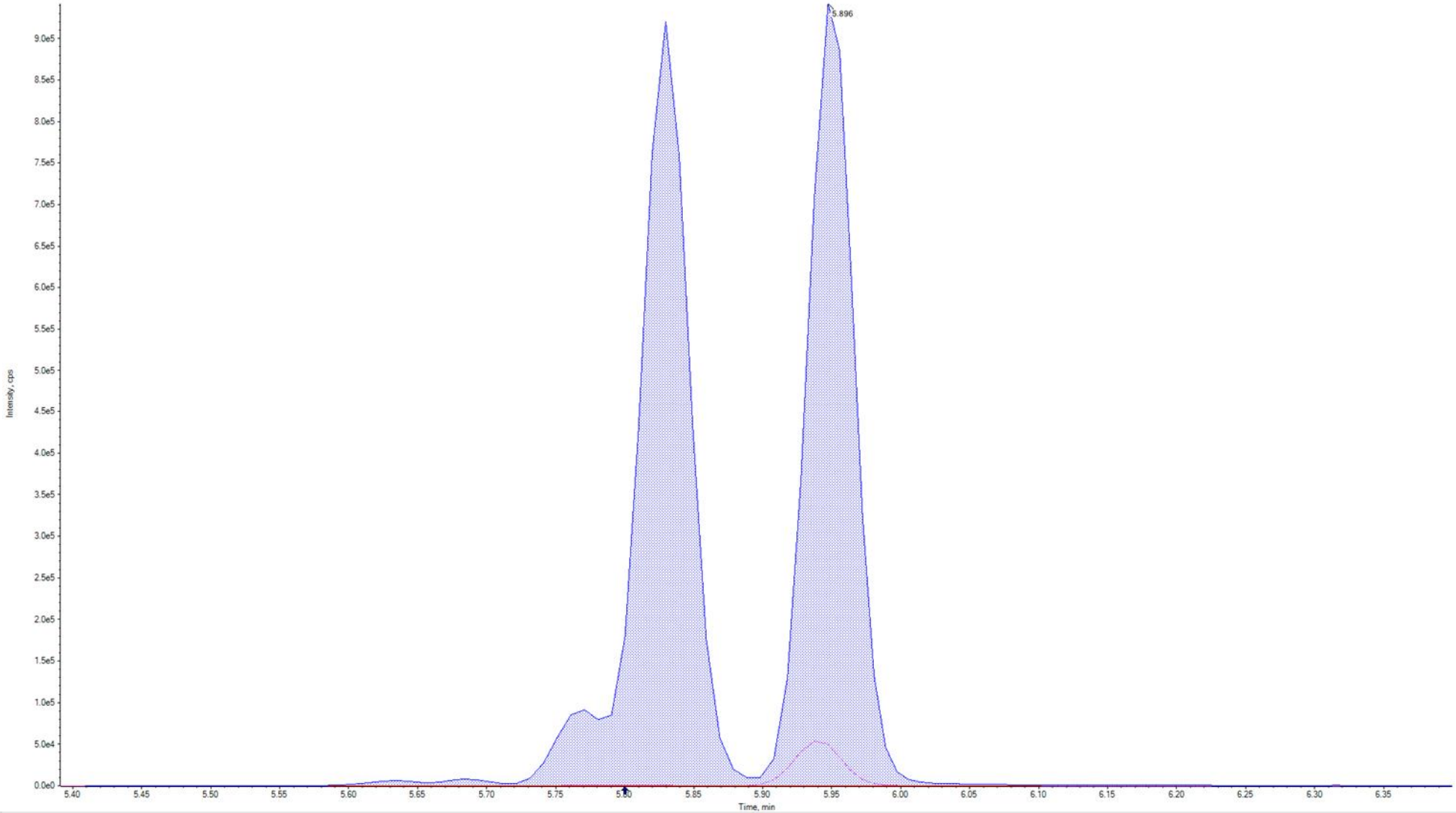
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Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_19.wiff2_9
Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NMeFOSA
Sample: IA1633STD-62.5 S/N:267.2 Points Across peak:57



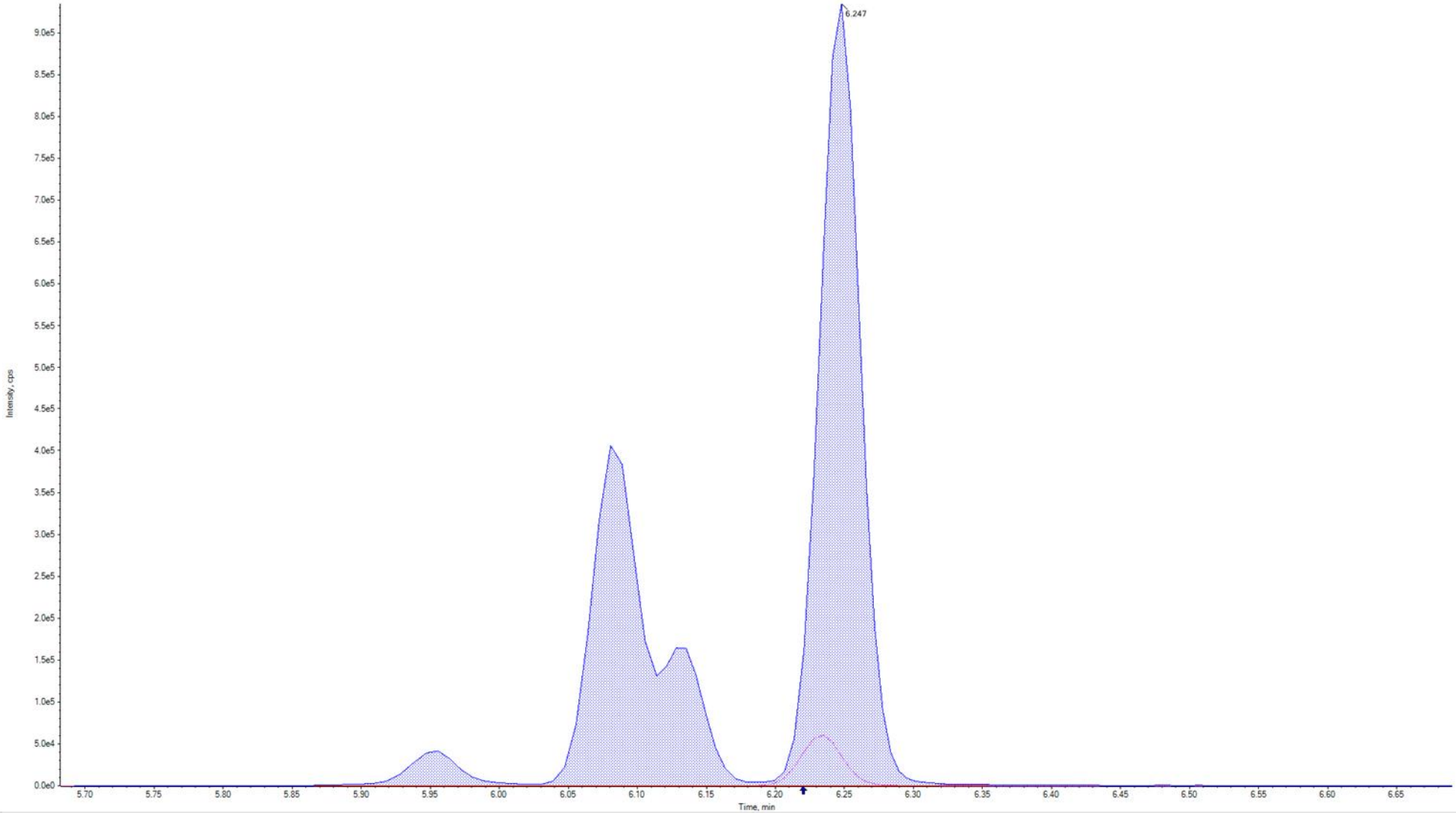
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Alpha Analytical LLC
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NMeFOSA_2
Sample: IA1633STD-62.5 S/N:231.3 Points Across peak:61



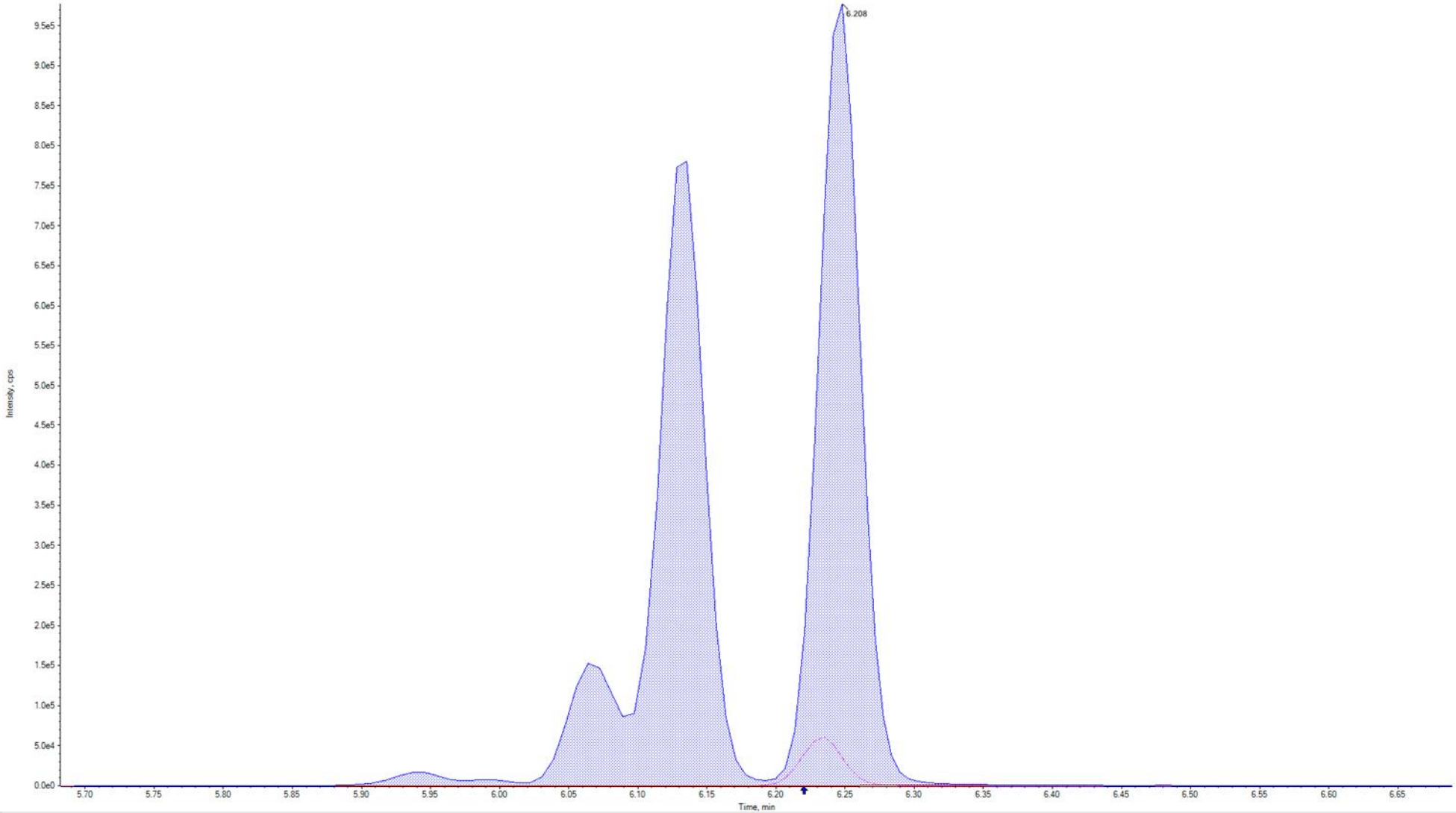
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Alpha Analytical LLC
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NEtFOSA
Sample: IA1633STD-62.5 S/N:670.7 Points Across peak:81



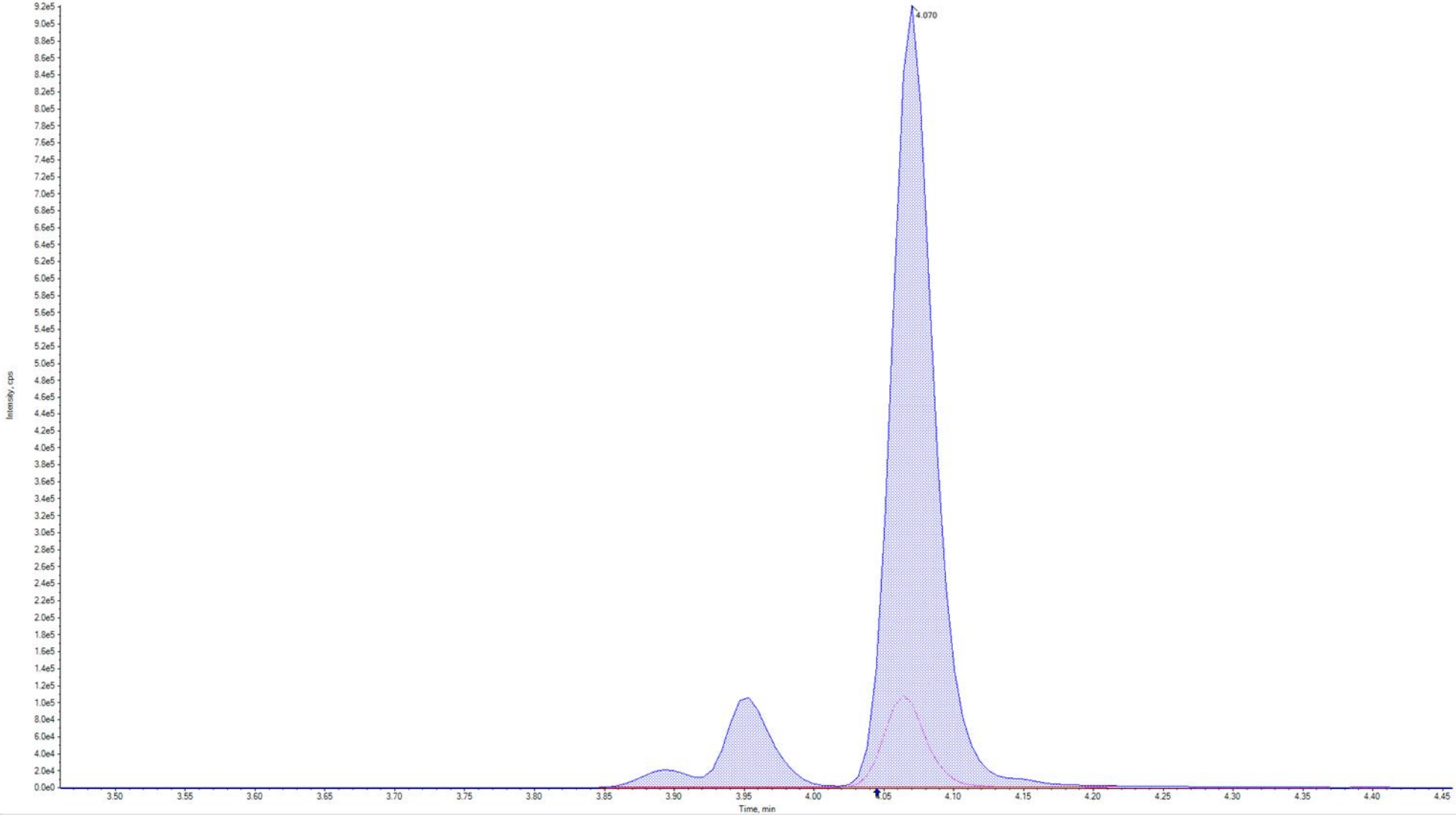
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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NEtFOSA_2
Sample: IA1633STD-62.5 S/N:541.1 Points Across peak:78



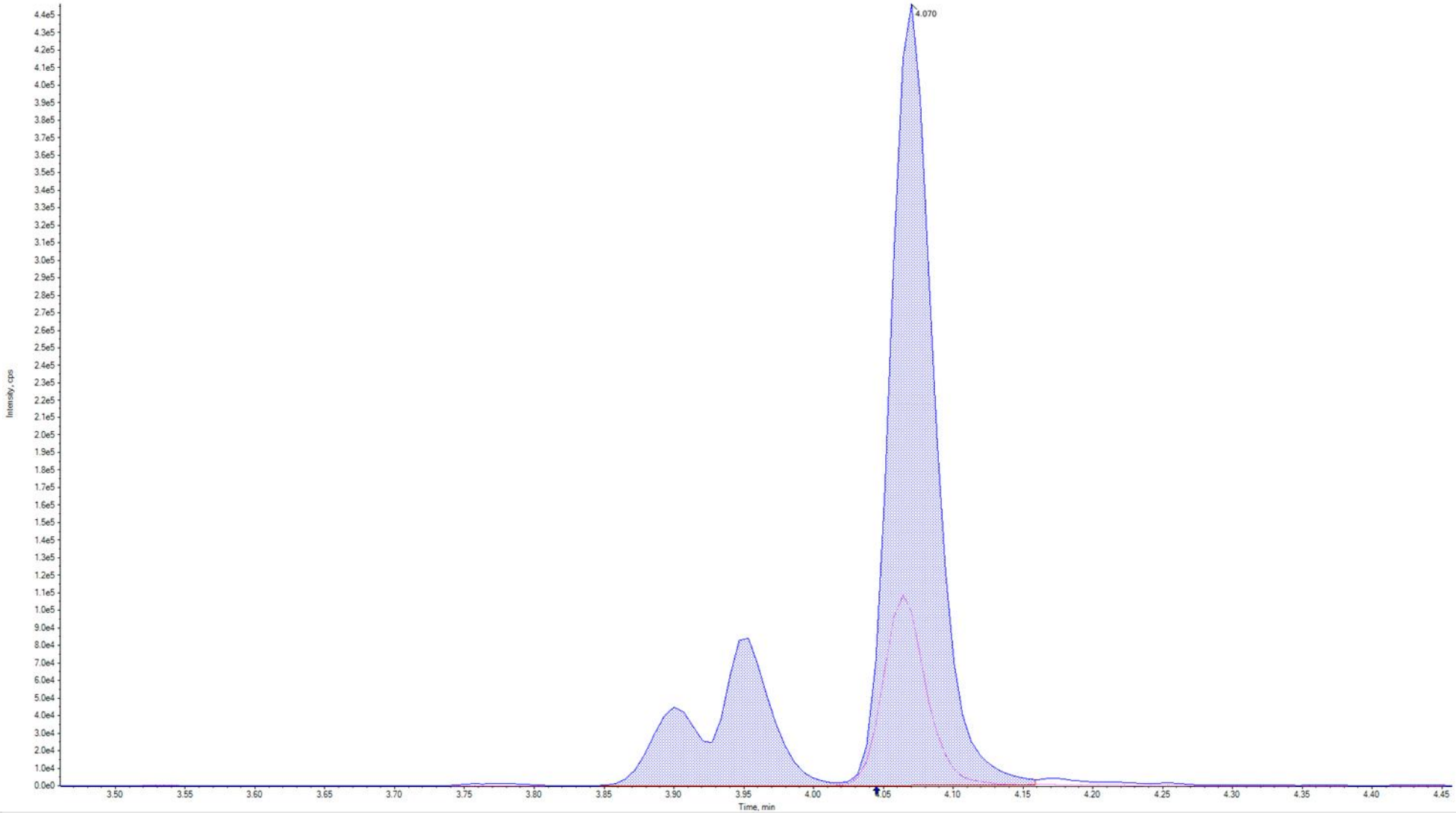
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Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

NMeFOSAA
Sample: IA1633STD-62.5 S/N:587.0 Points Across peak:61



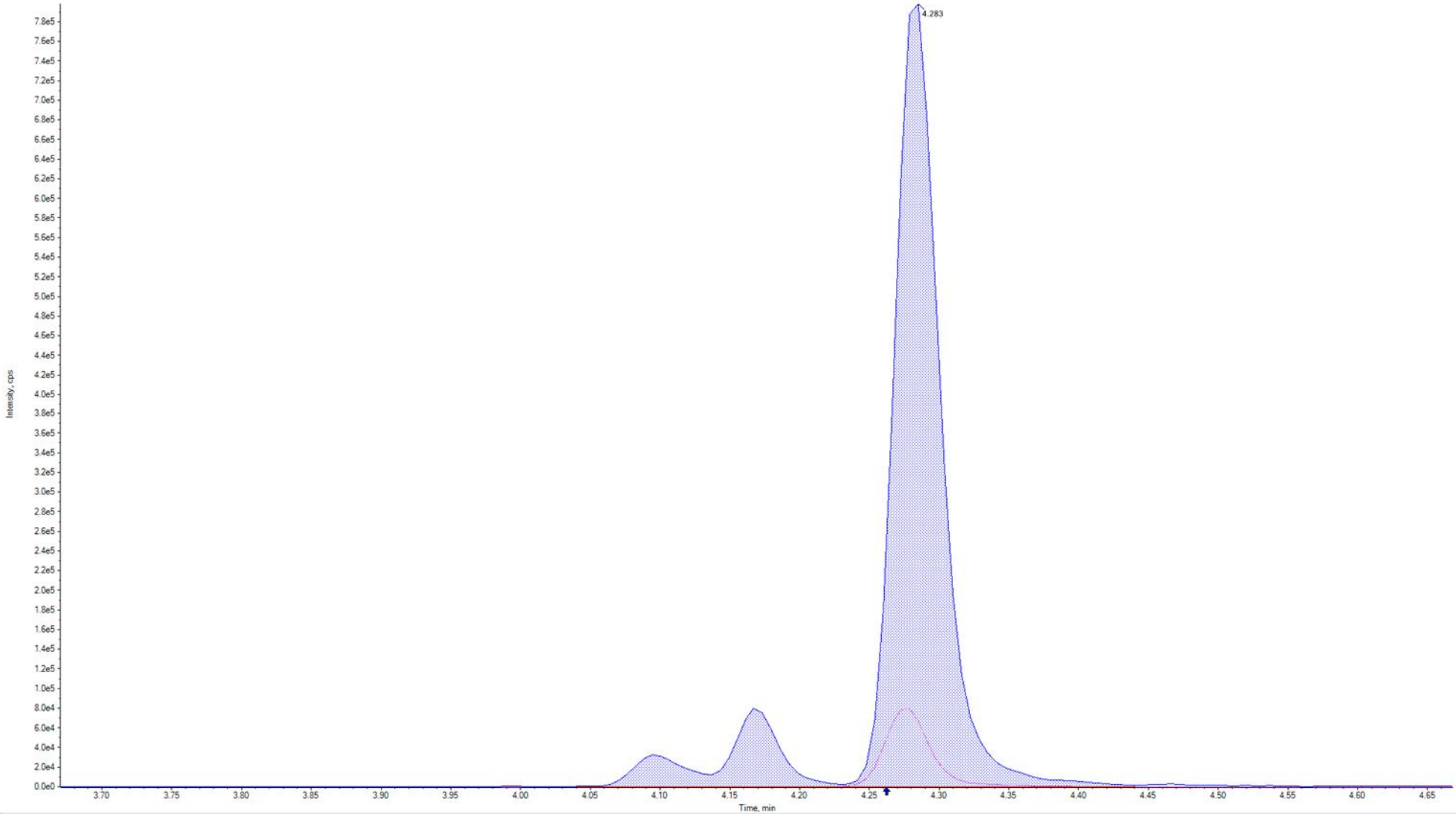
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Alpha Analytical LLC
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NMeFOSAA_2
Sample: IA1633STD-62.5 S/N:425.7 Points Across peak:50



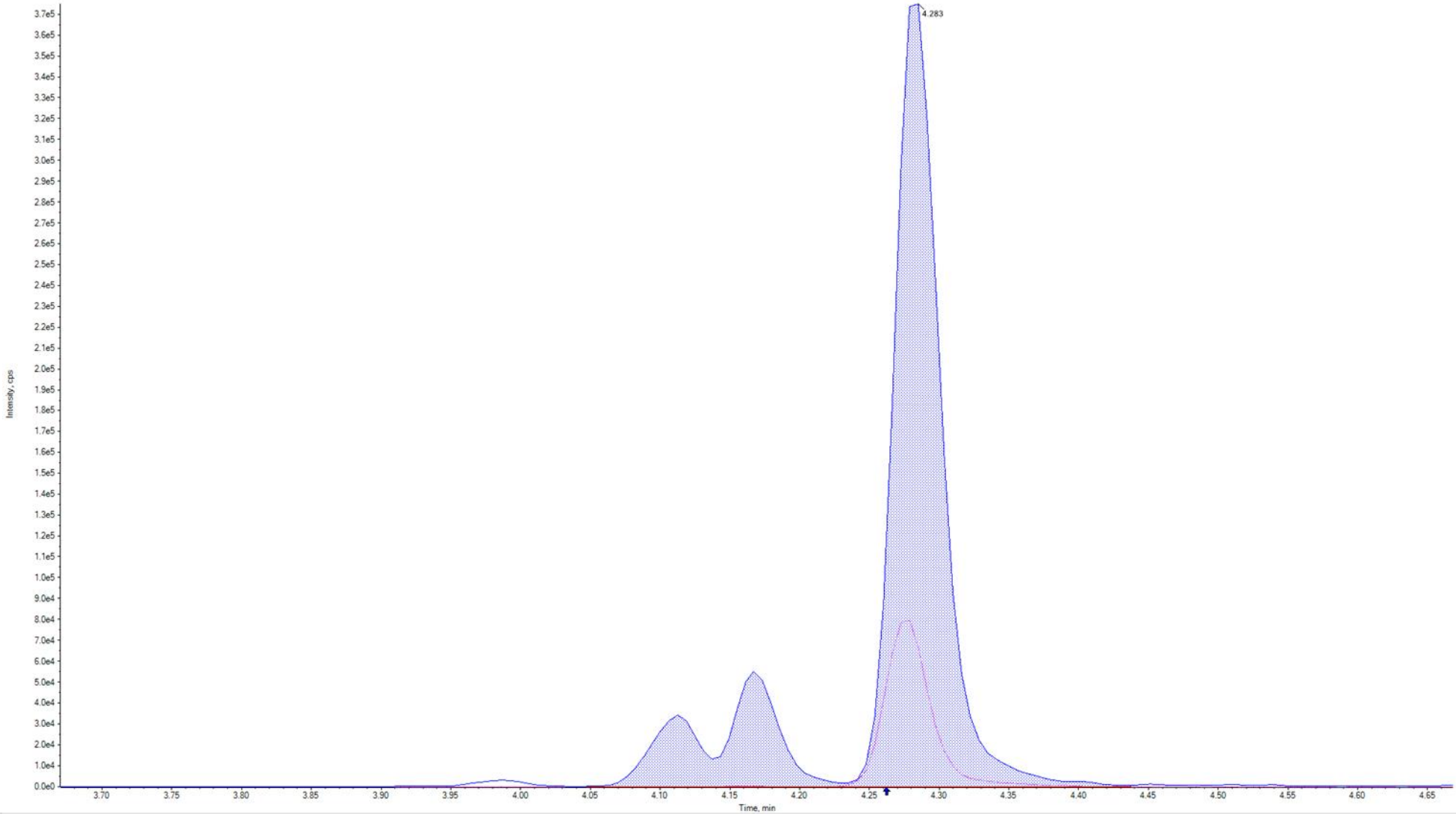
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
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NEtFOSAA
Sample: IA1633STD-62.5 S/N:513.9 Points Across peak:71



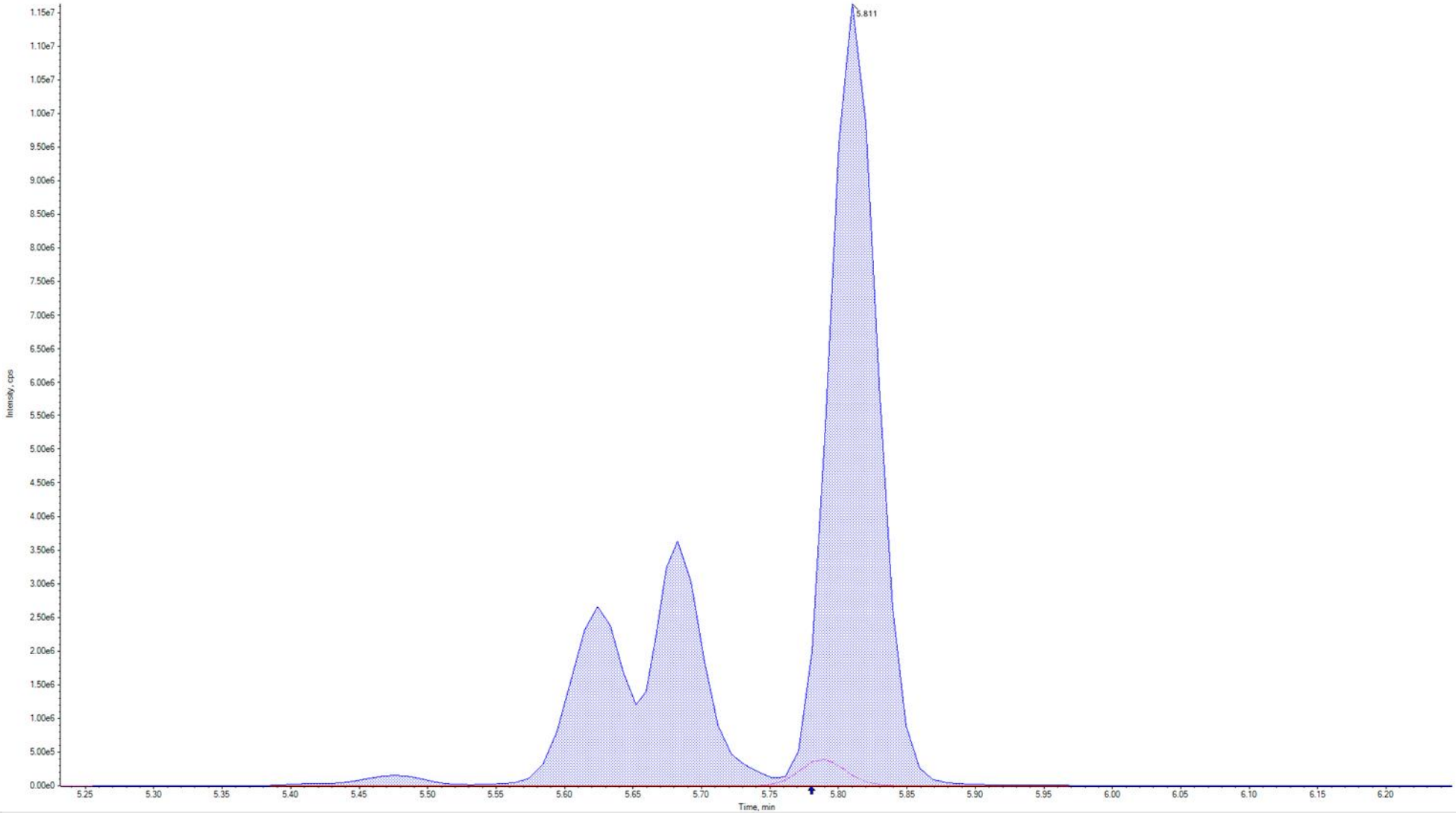
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Alpha Analytical LLC
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NEtFOSAA_2
Sample: IA1633STD-62.5 S/N:406.6 Points Across peak:67



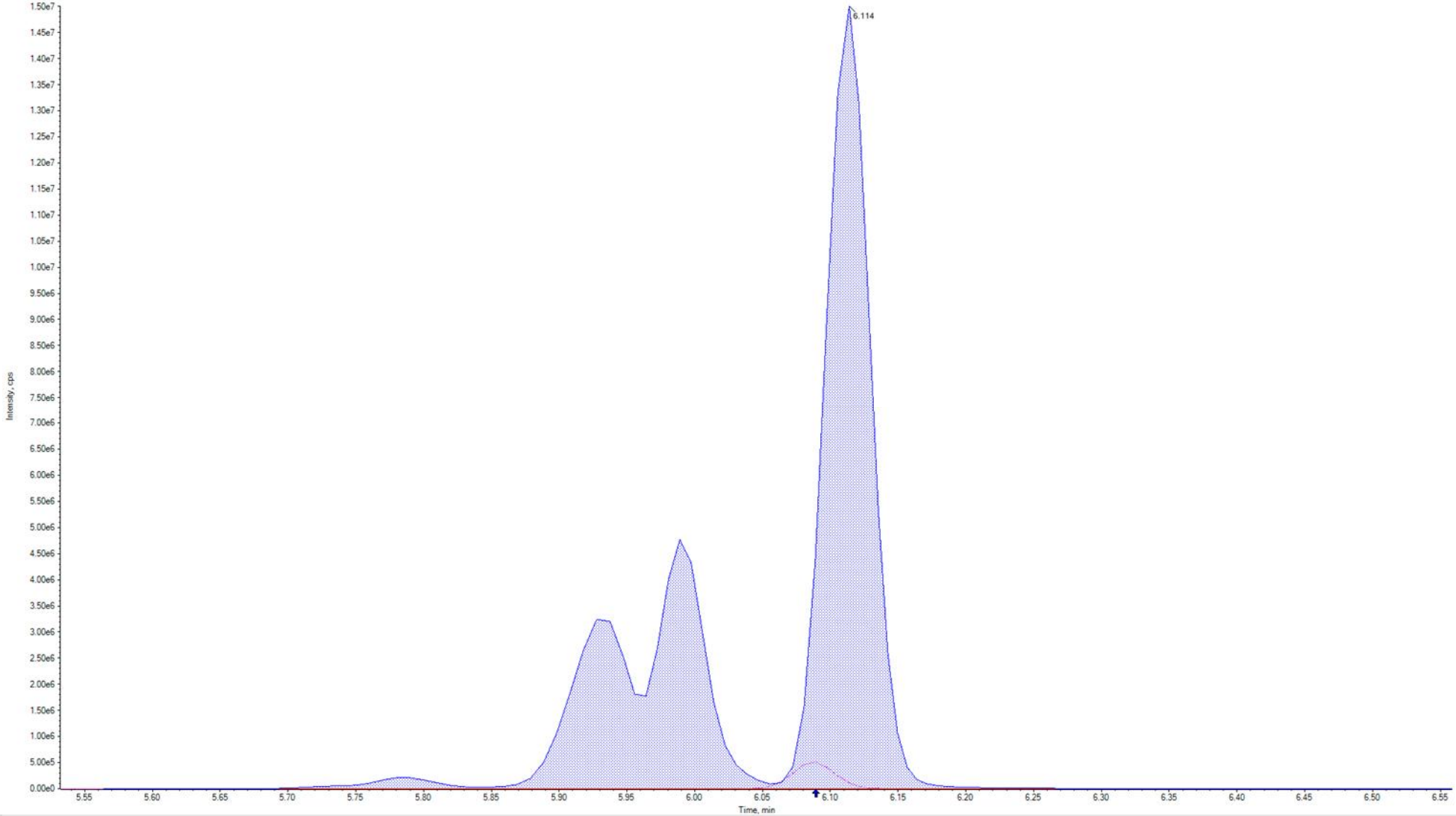
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Alpha Analytical LLC
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NMeFOSE
Sample: IA1633STD-62.5 S/N:176.2 Points Across peak:69



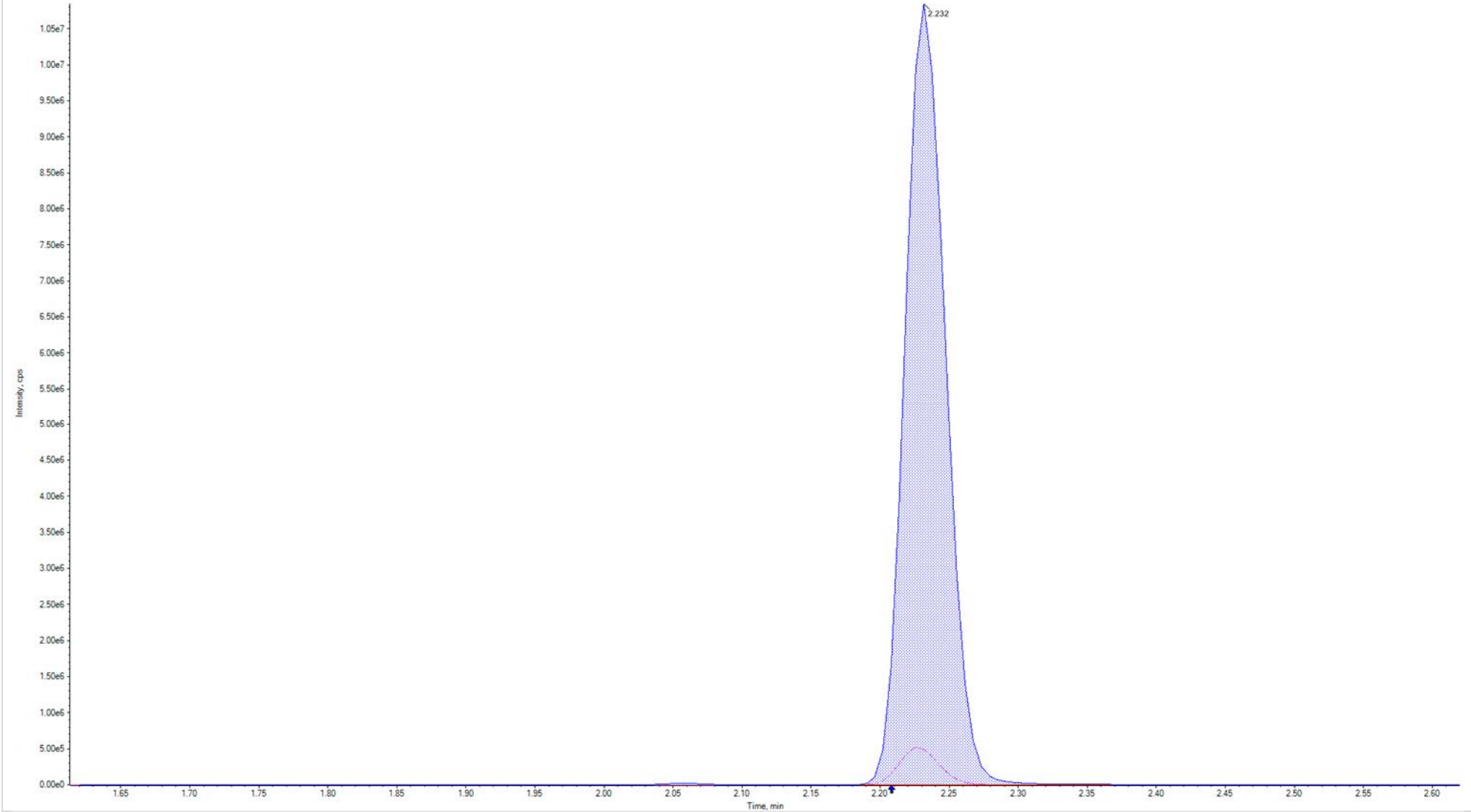
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NEtFOSE
Sample: IA1633STD-62.5 S/N:335.1 Points Across peak:77



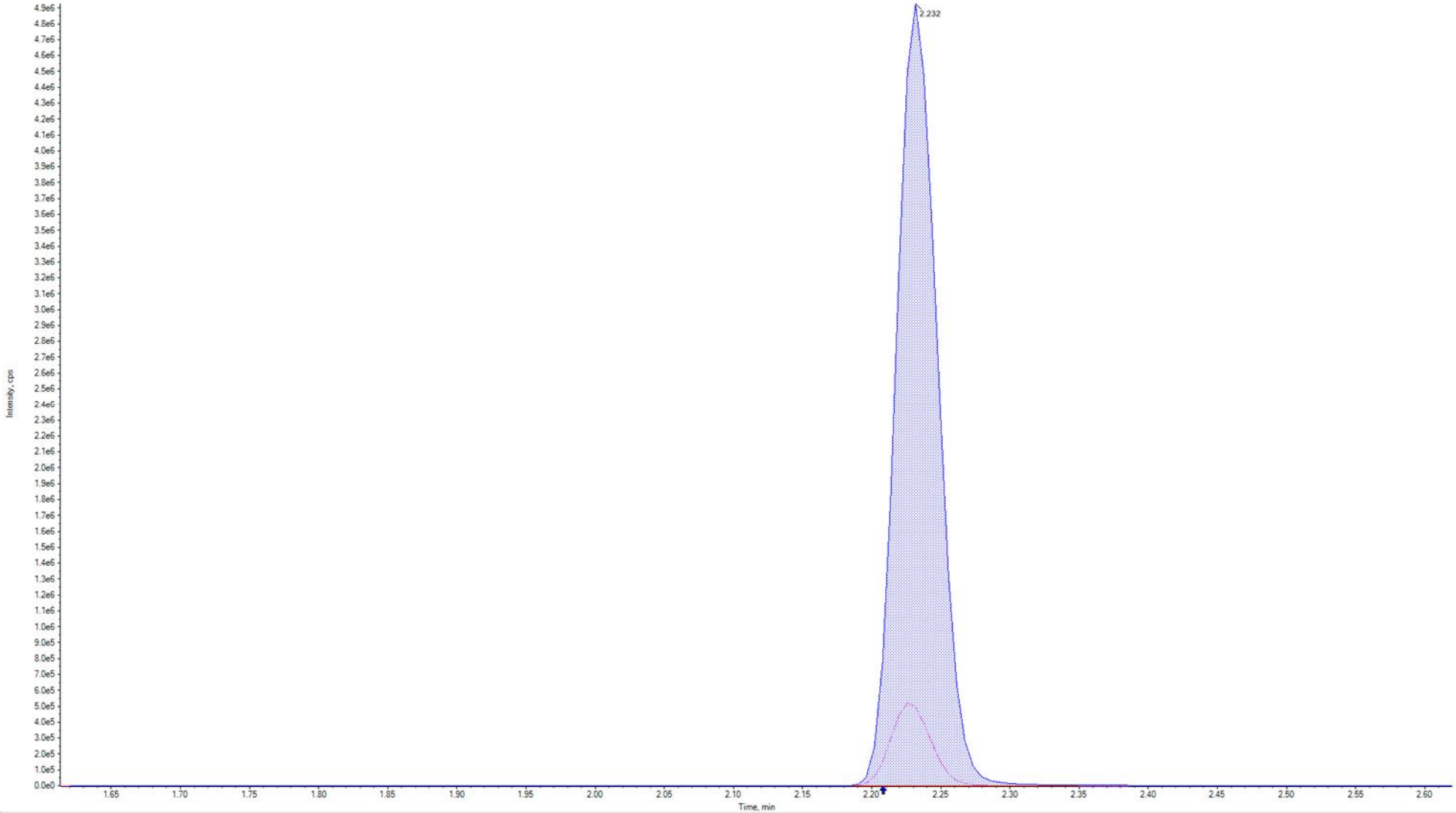
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Alpha Analytical LLC
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HFPO-DA
Sample: IA1633STD-62.5 S/N:244664.9 Points Across peak:45



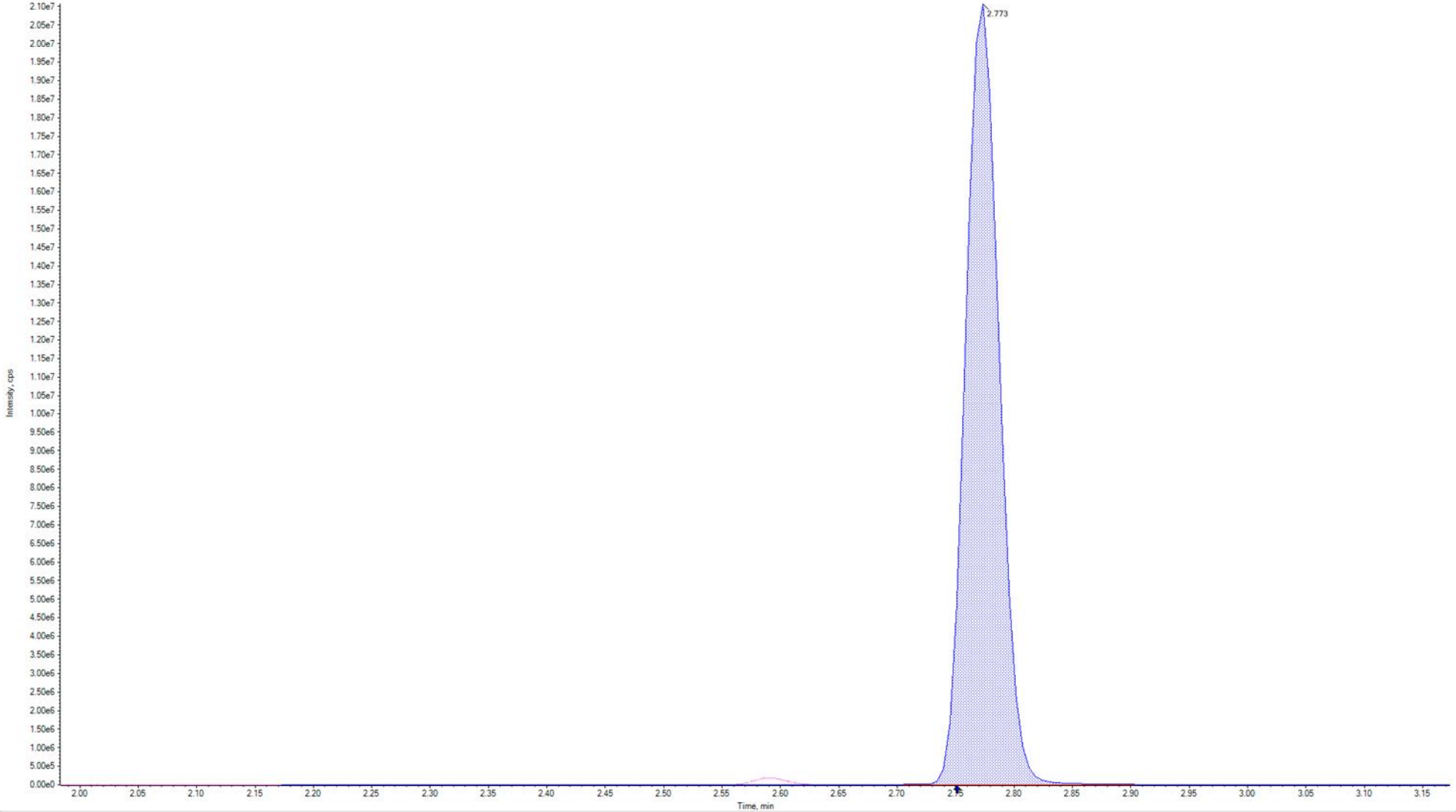
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Alpha Analytical LLC
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HFPO-DA_2
Sample: IA1633STD-62.5 S/N:111107.5 Points Across peak:32



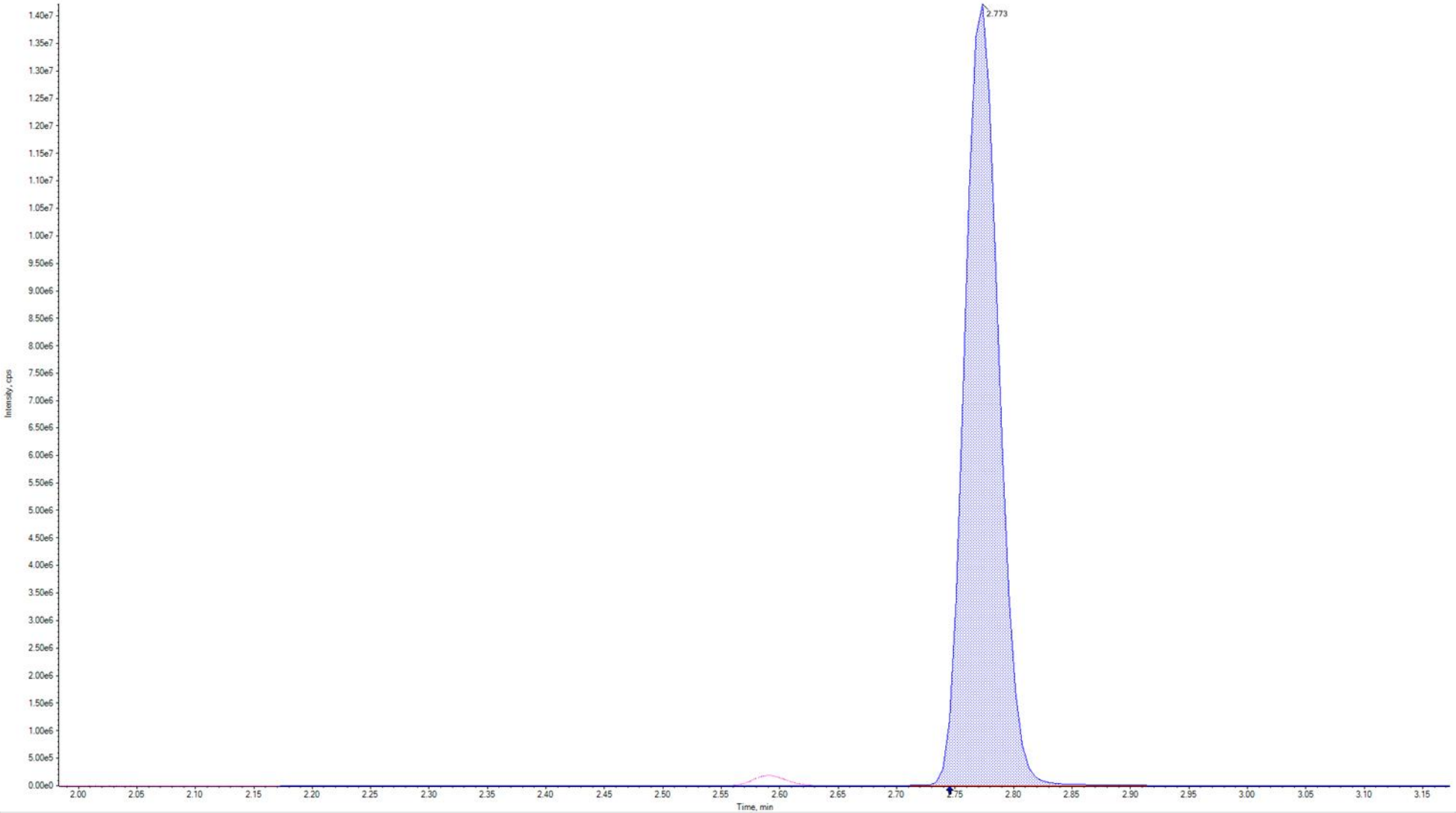
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

ADONA
Sample: IA1633STD-62.5 S/N:217896.5 Points Across peak:53



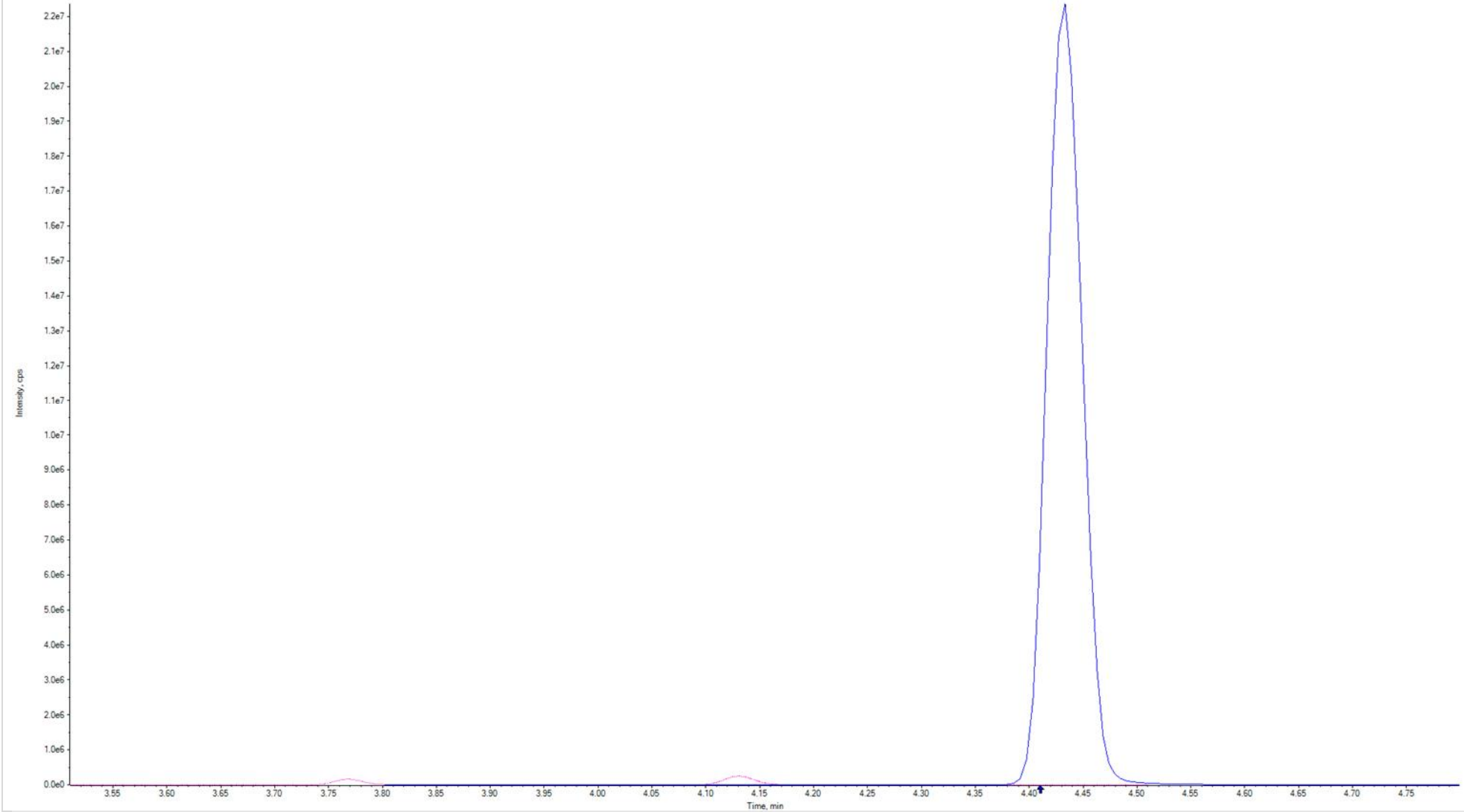
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ADONA_2
Sample: IA1633STD-62.5 S/N:44813.5 Points Across peak:50



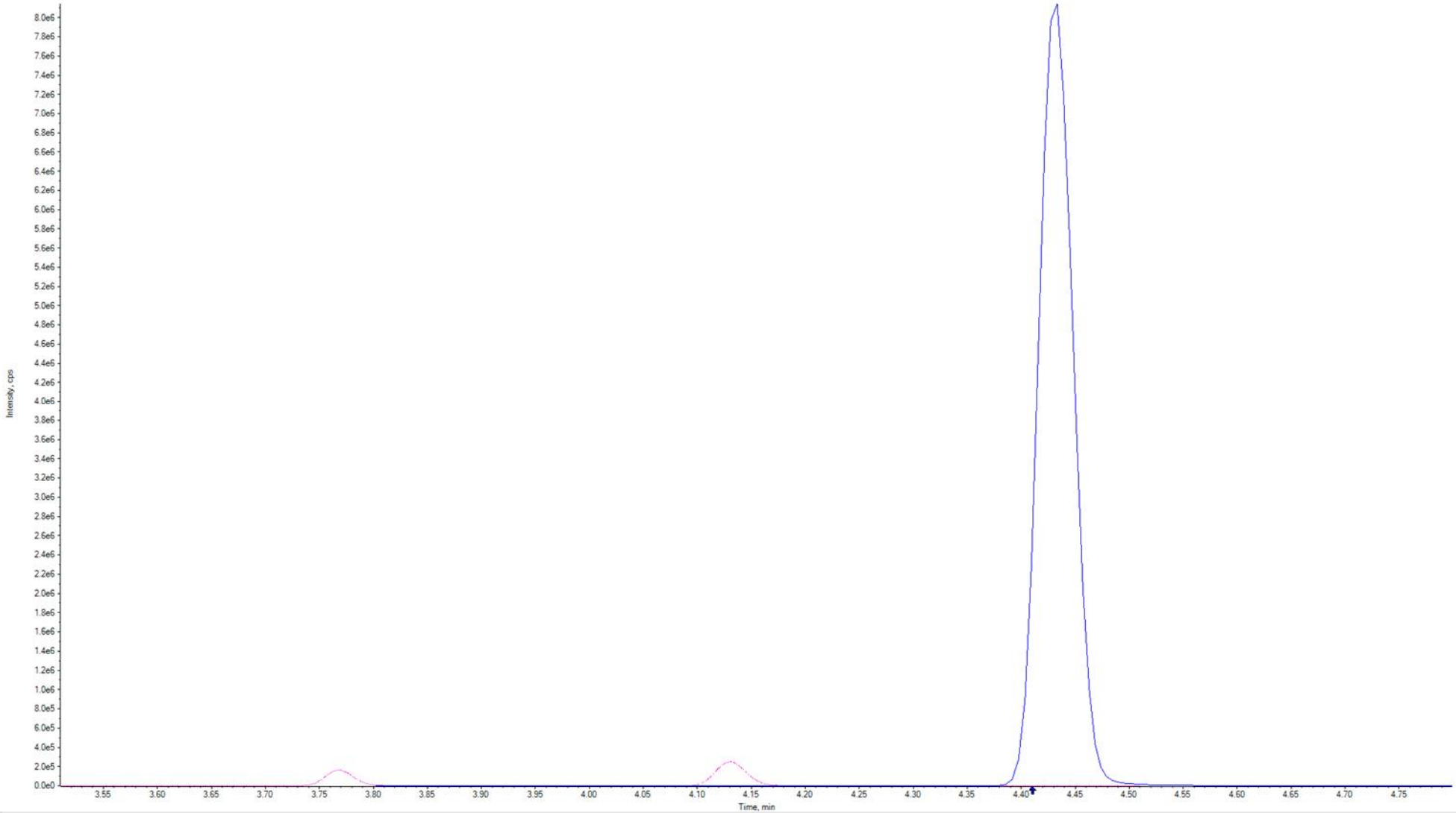
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9Cl-PF3ONS
Sample: IA1633STD-62.5 S/N:N/A Points Across peak:N/A



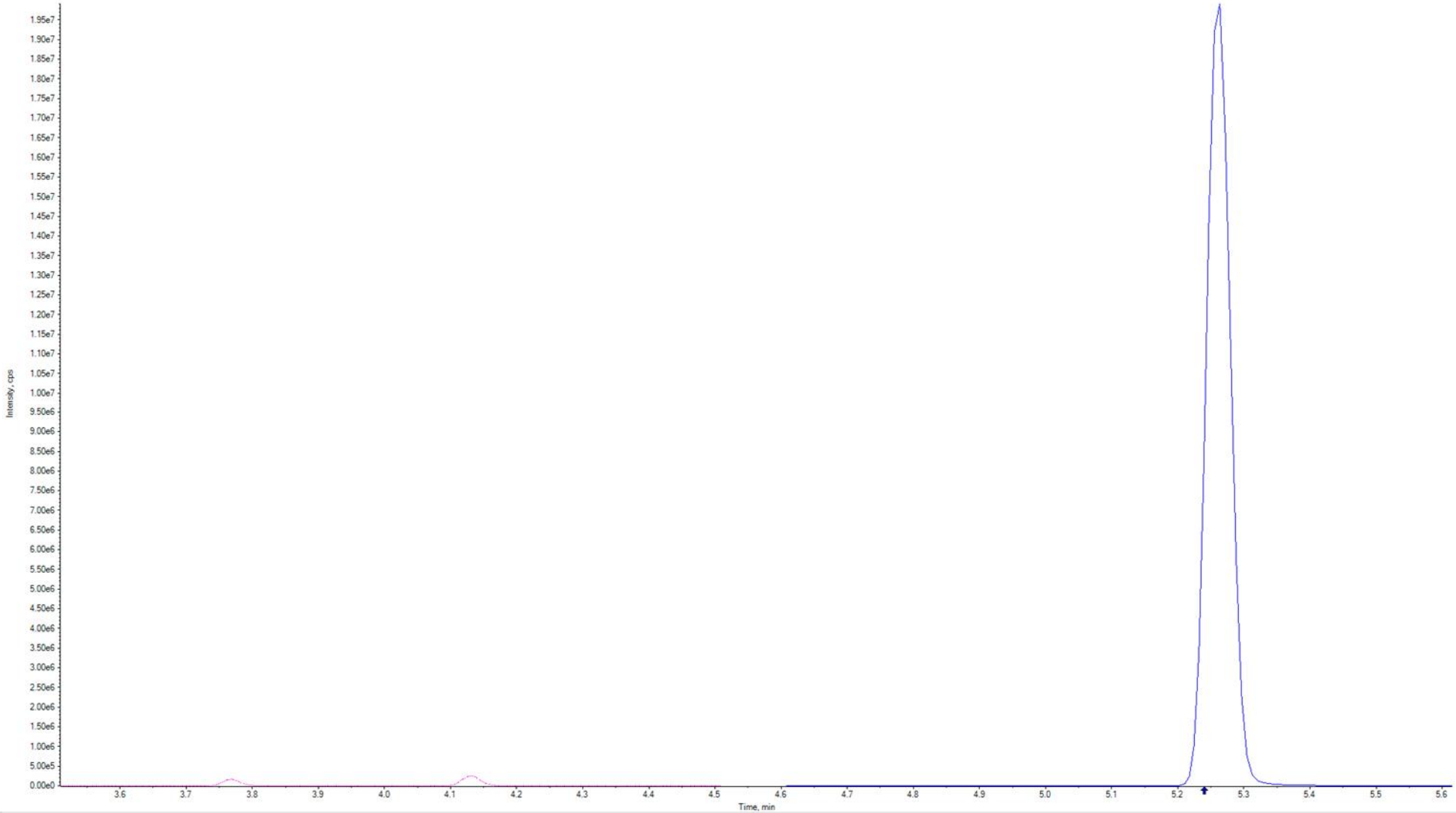
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Alpha Analytical LLC
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9Cl-PF3ONS_2
Sample: IA1633STD-62.5 S/N:N/A Points Across peak:N/A



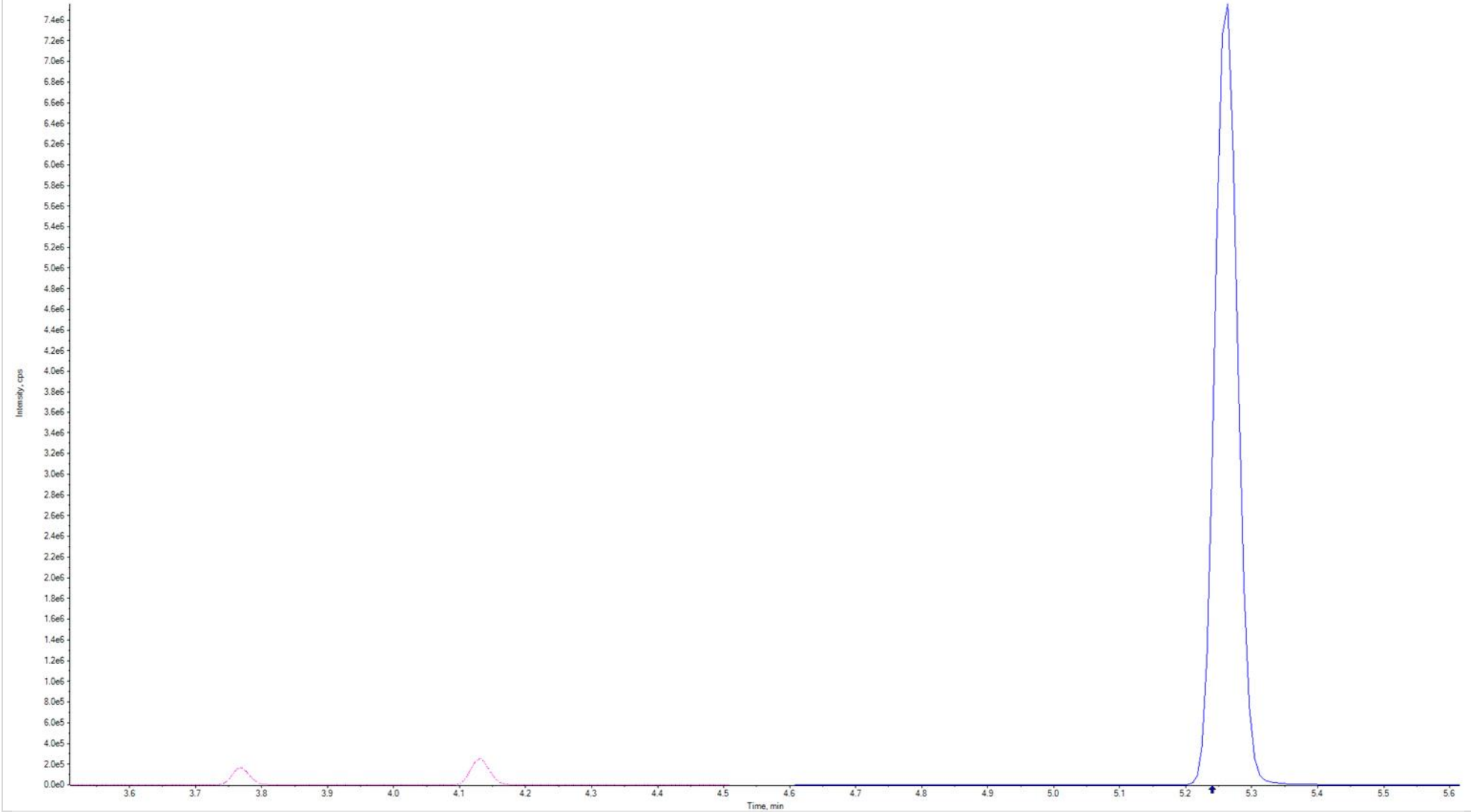
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Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

11Cl-PF3OUdS
Sample: IA1633STD-62.5 S/N:N/A Points Across peak:N/A



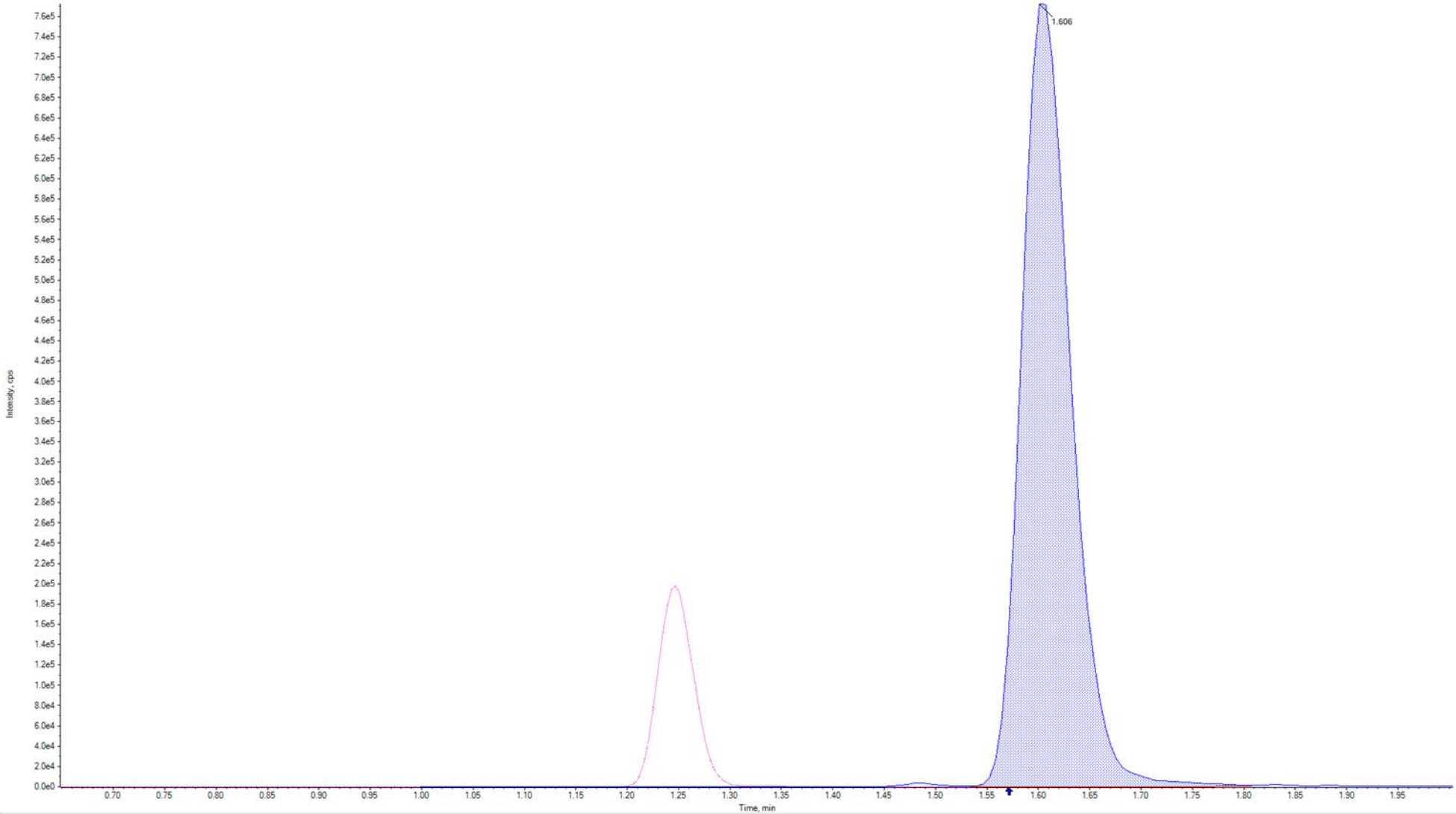
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Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

11Cl-PF3OUdS_2
Sample: IA1633STD-62.5 S/N:N/A Points Across peak:N/A



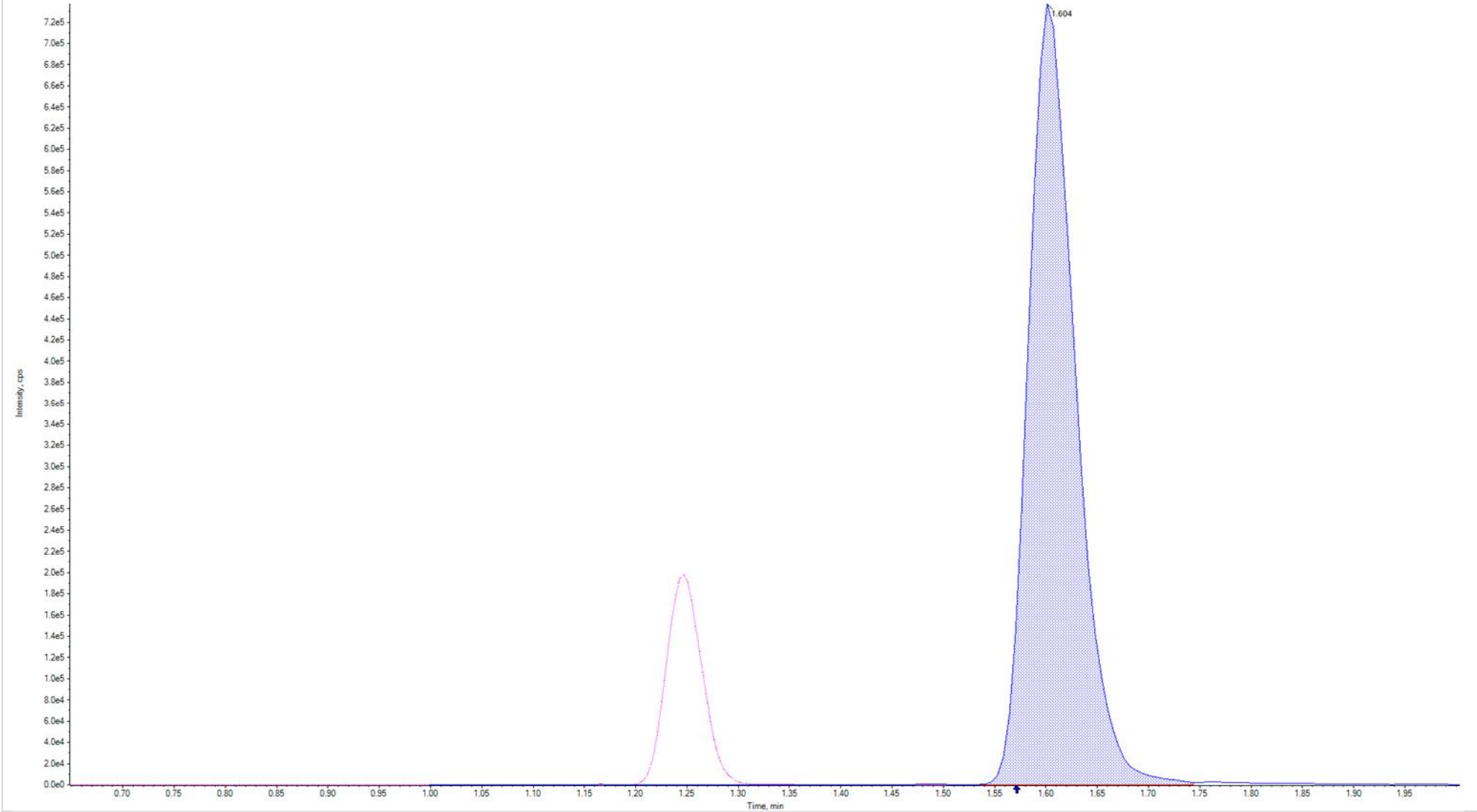
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

3:3FTCA
Sample: IA1633STD-62.5 S/N:6529.4 Points Across peak:47



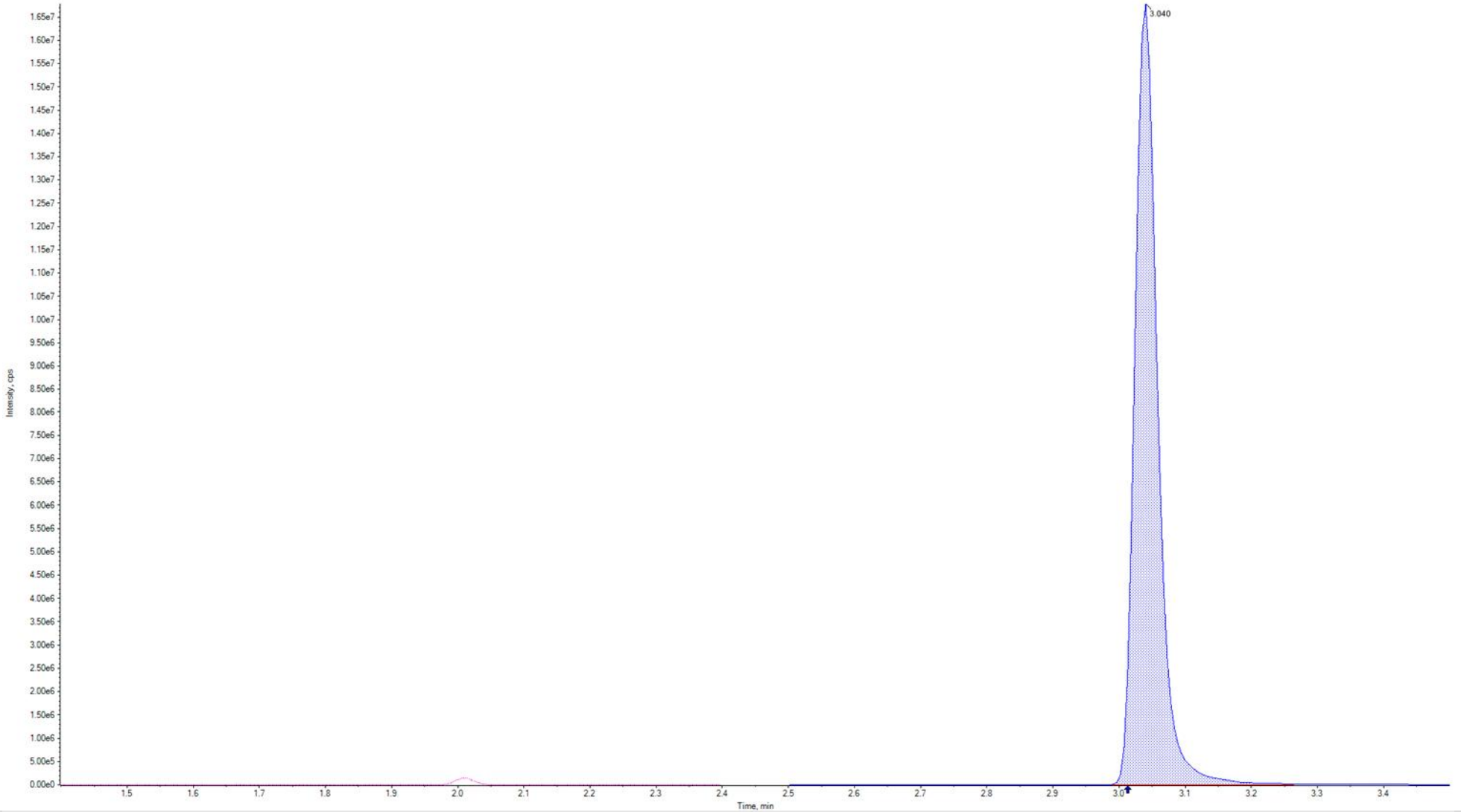
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Alpha Analytical LLC
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3:3FTCA_2
Sample: IA1633STD-62.5 S/N:18476.4 Points Across peak:39



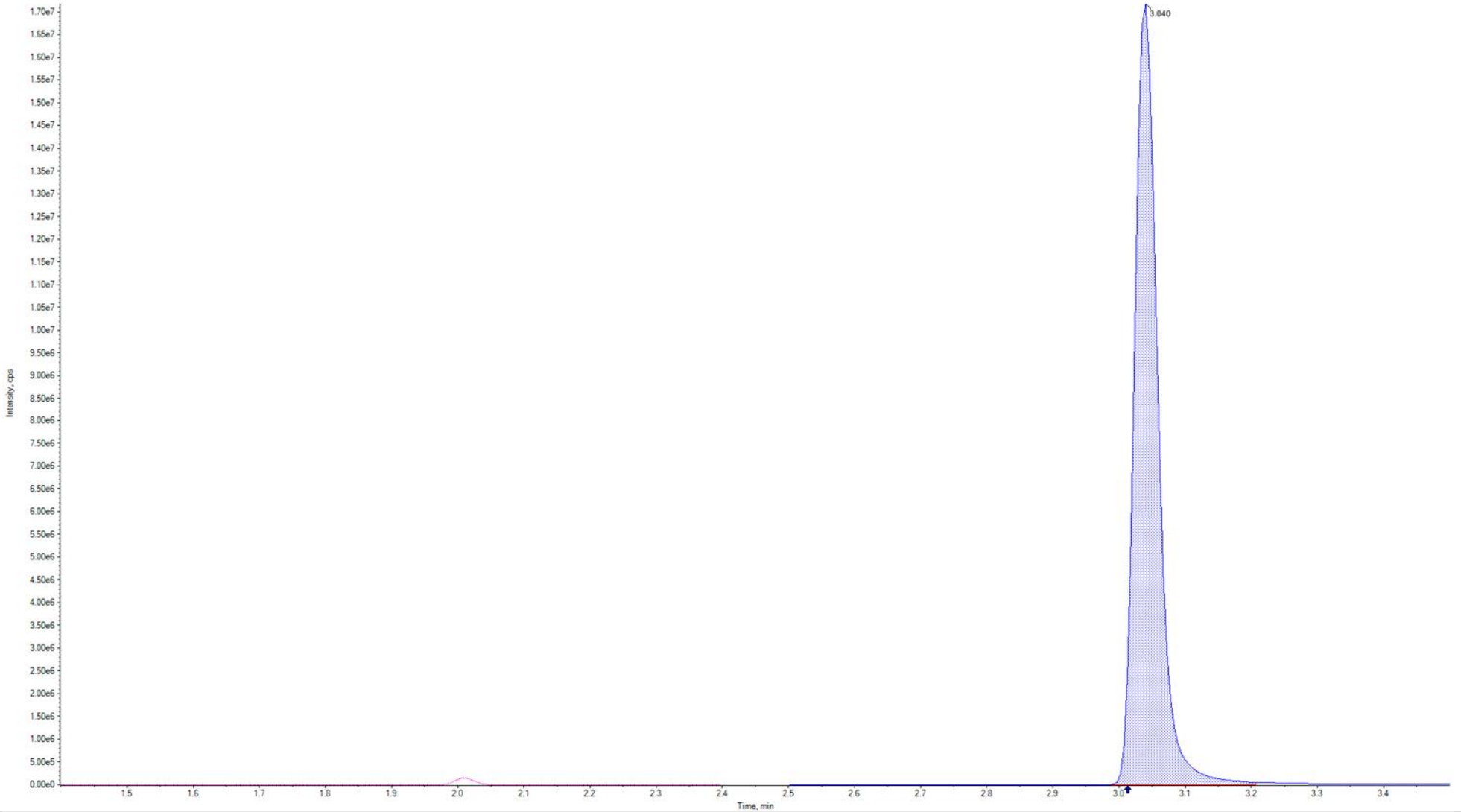
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Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

5:3FTCA
Sample: IA1633STD-62.5 S/N:22210.2 Points Across peak:56



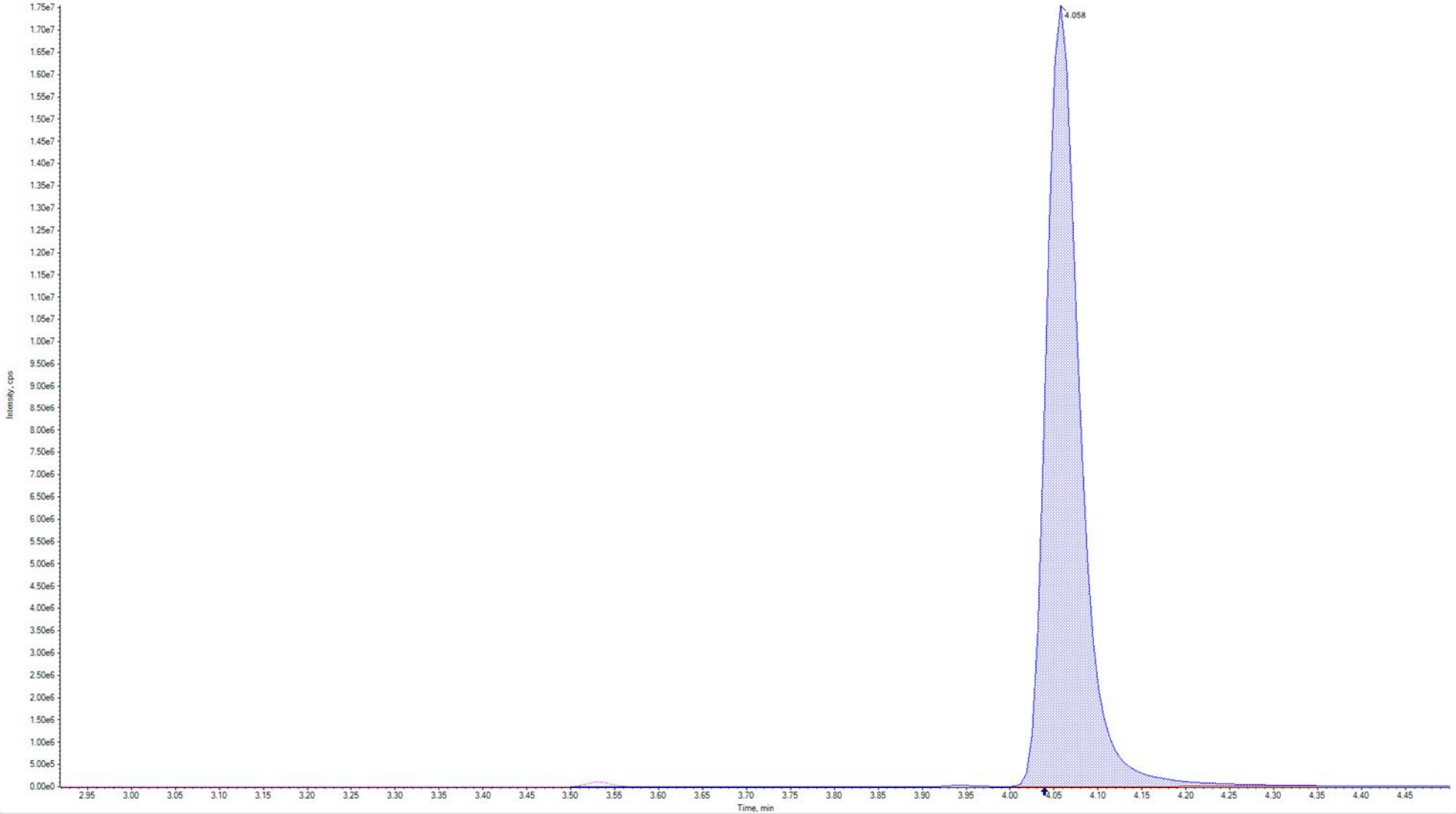
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Alpha Analytical LLC
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5:3FTCA_2
Sample: IA1633STD-62.5 S/N:15692.1 Points Across peak:44



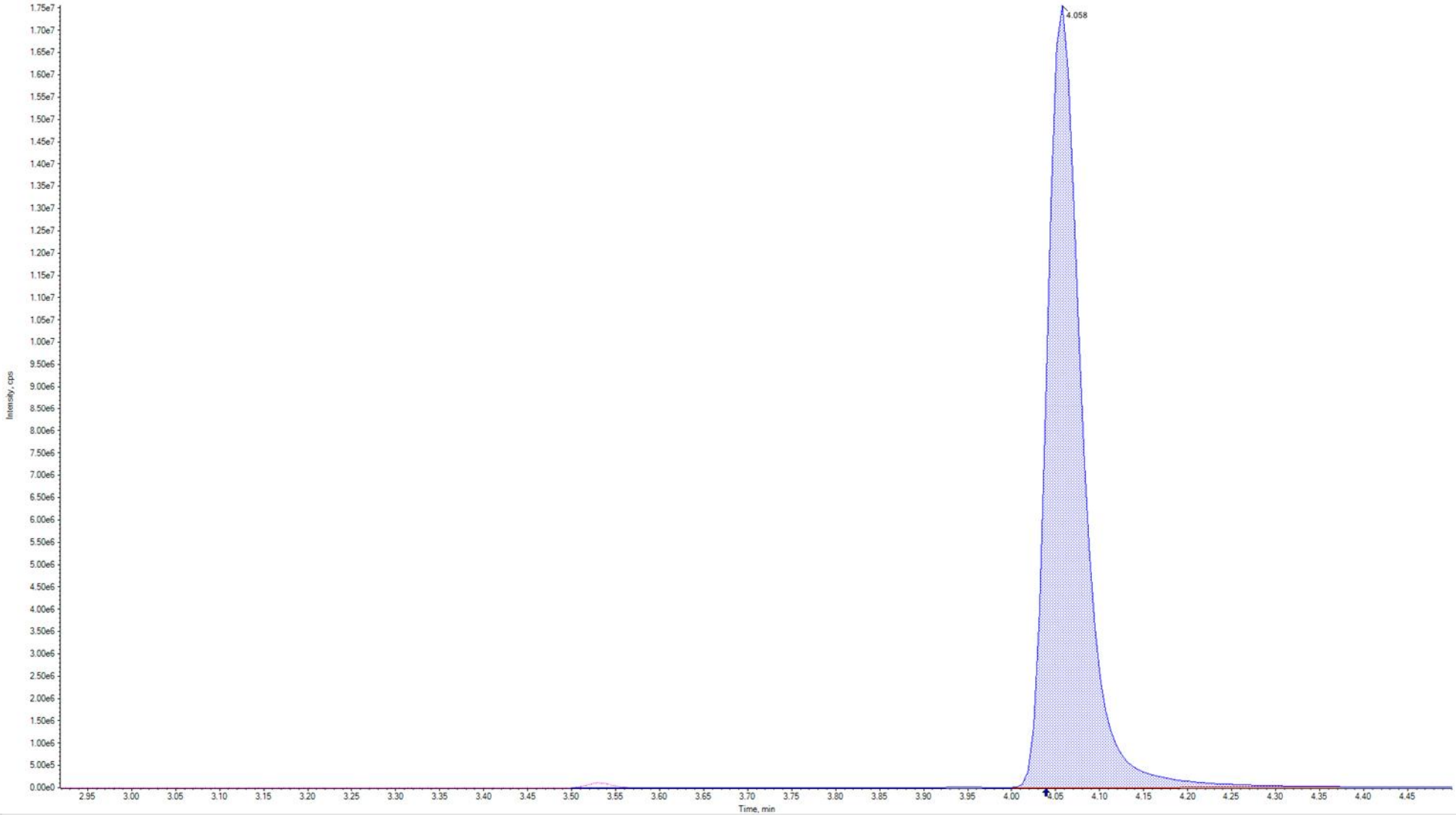
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

7:3FTCA
Sample: IA1633STD-62.5 S/N:13214.6 Points Across peak:72



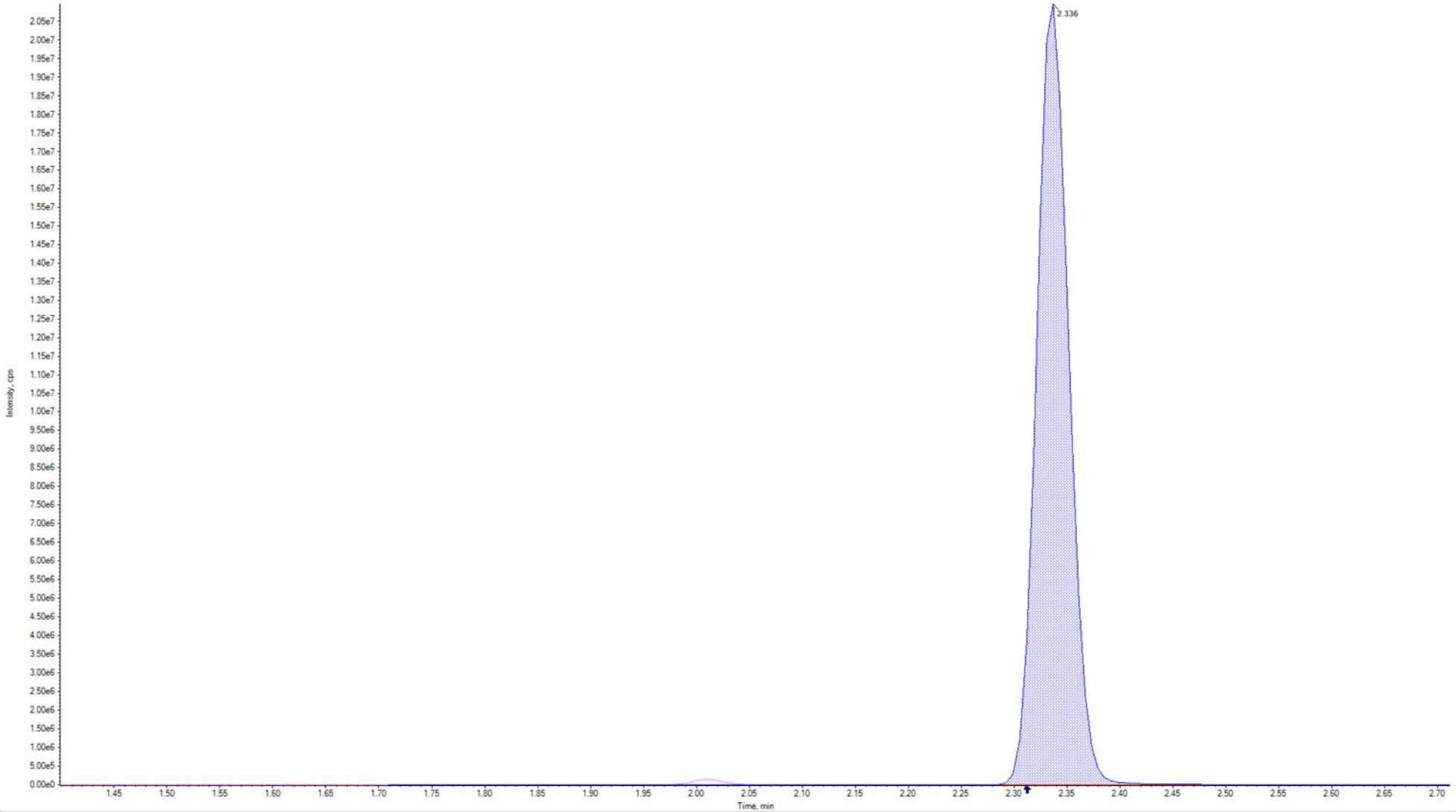
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Alpha Analytical LLC
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7:3FTCA_2
Sample: IA1633STD-62.5 S/N:12219.9 Points Across peak:74



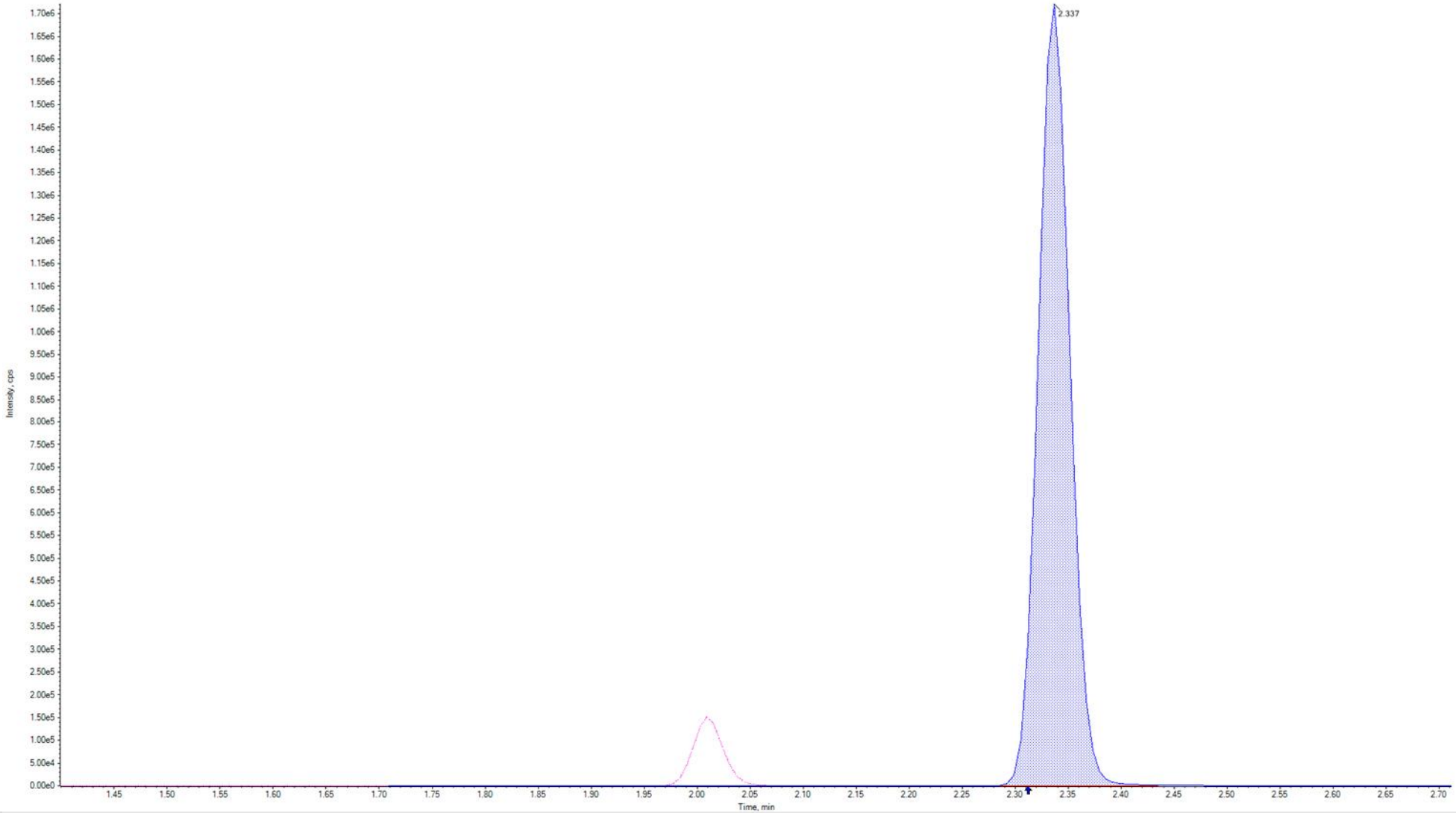
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Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFEESA
Sample: IA1633STD-62.5 S/N:51750.2 Points Across peak:53



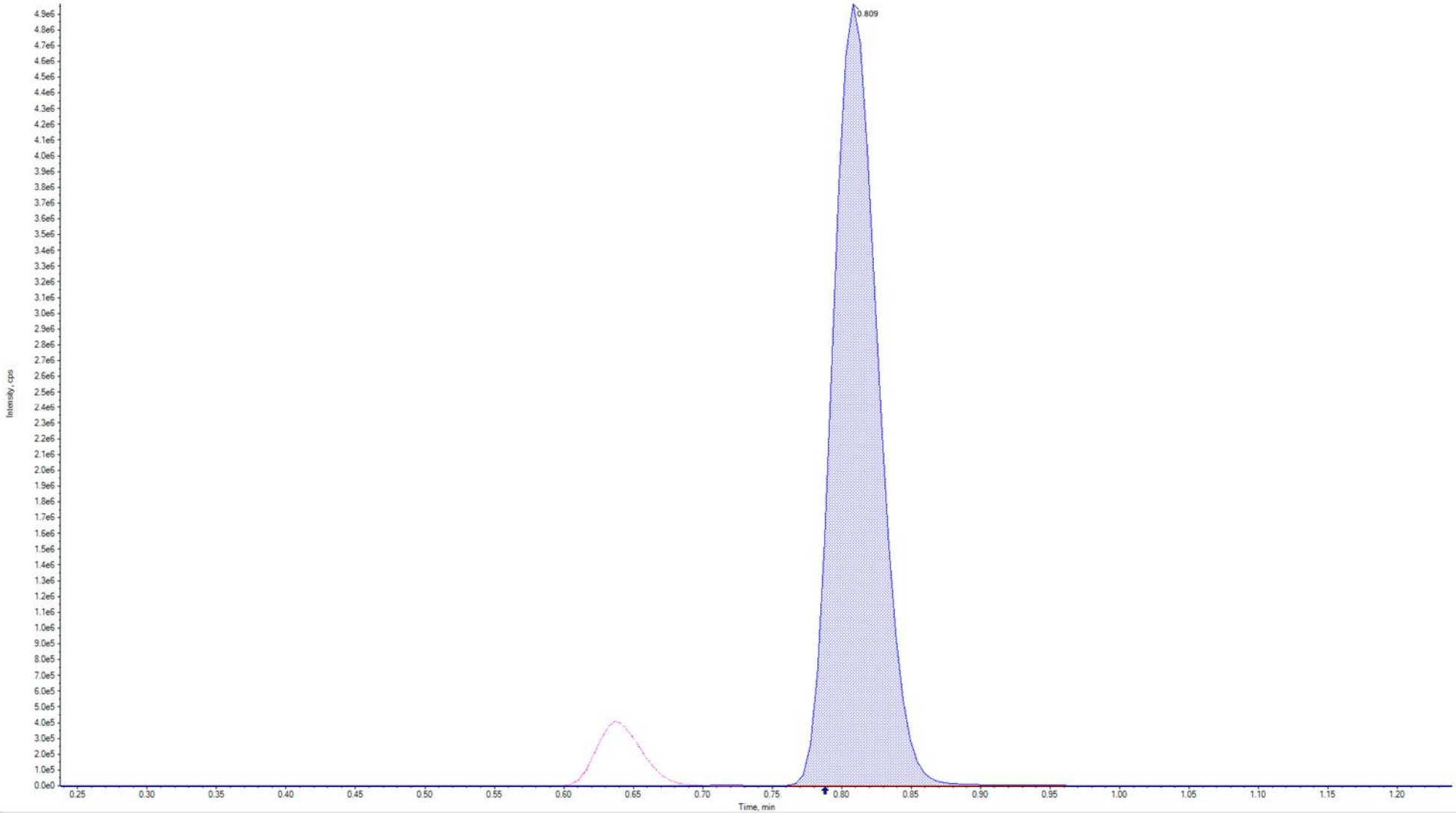
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Alpha Analytical LLC
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Generated: 12/16/2024 4:06:13 PM

PFEESA_2
Sample: IA1633STD-62.5 S/N:38833.8 Points Across peak:31



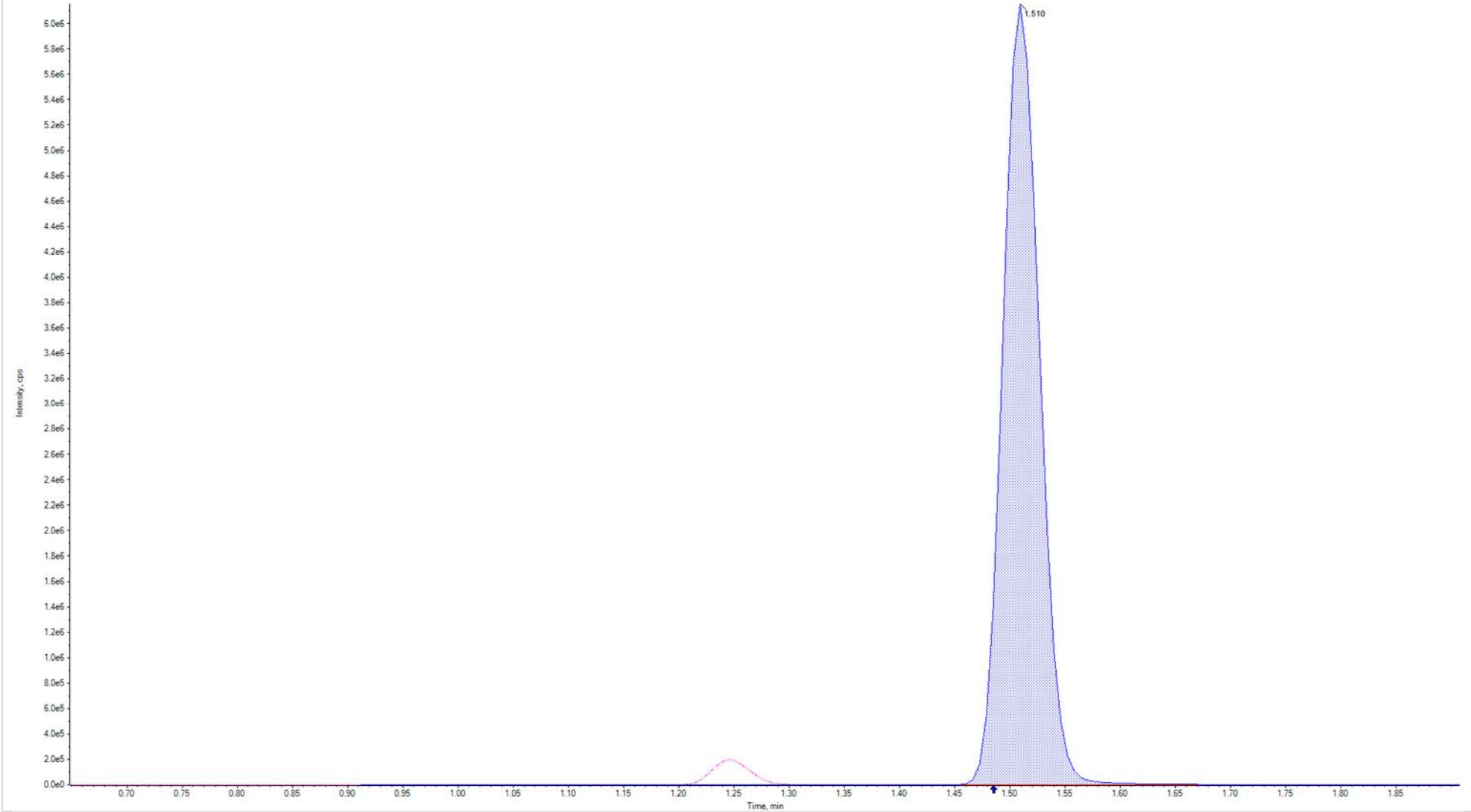
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFMPA
Sample: IA1633STD-62.5 S/N:33845.6 Points Across peak:55



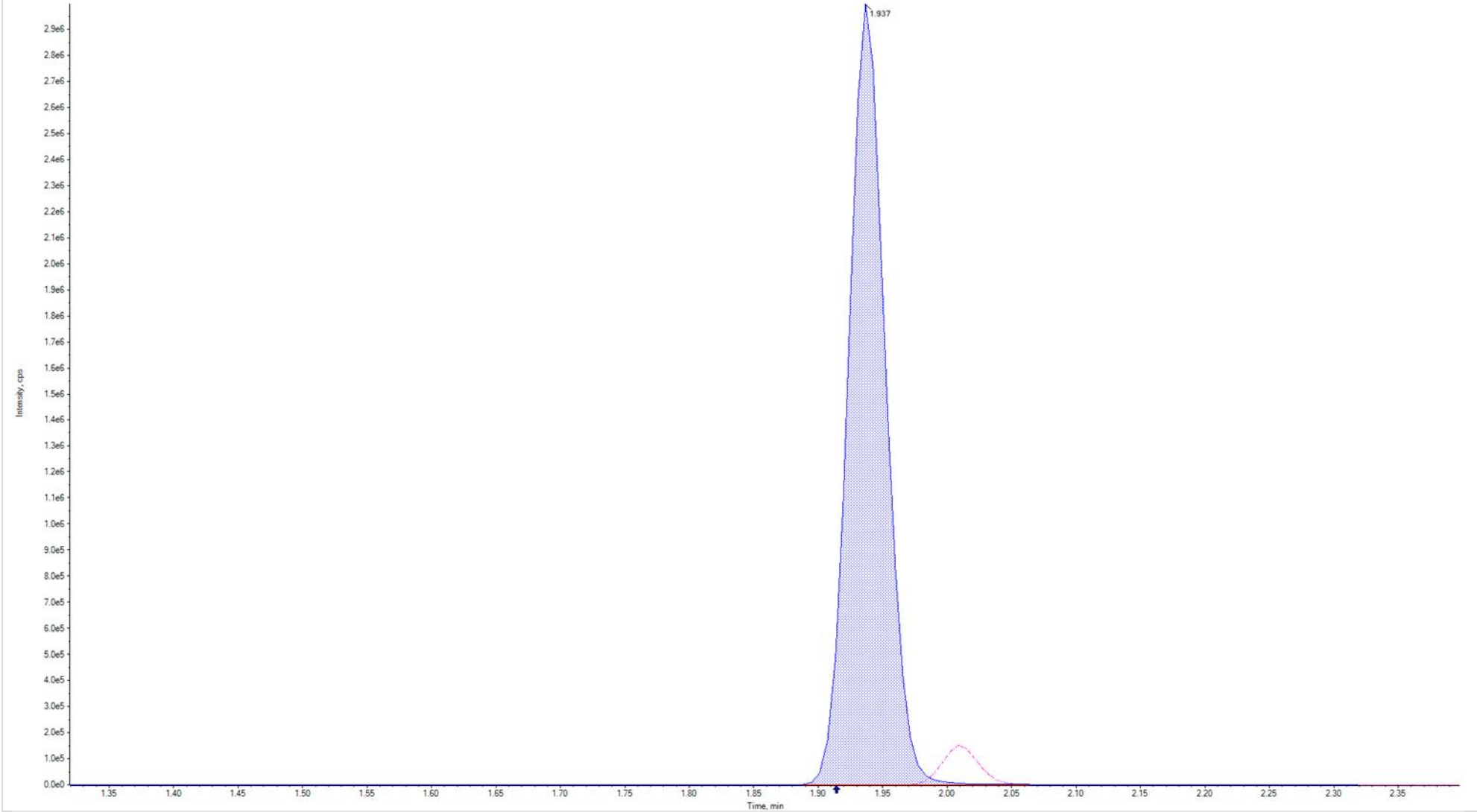
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

PFMBA
Sample: IA1633STD-62.5 S/N:42923.9 Points Across peak:53



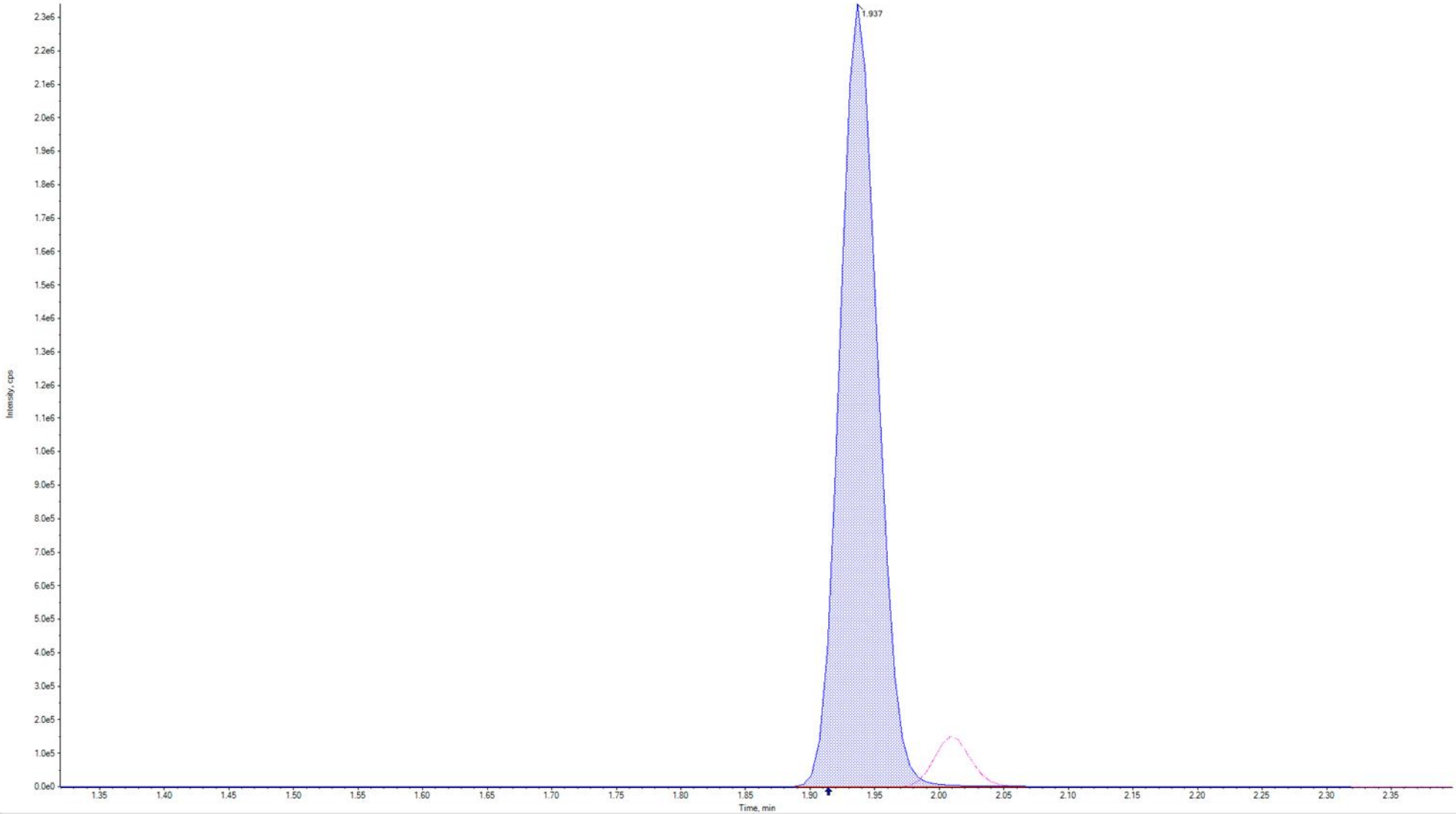
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NFDHA
Sample: IA1633STD-62.5 S/N:11365.1 Points Across peak:34

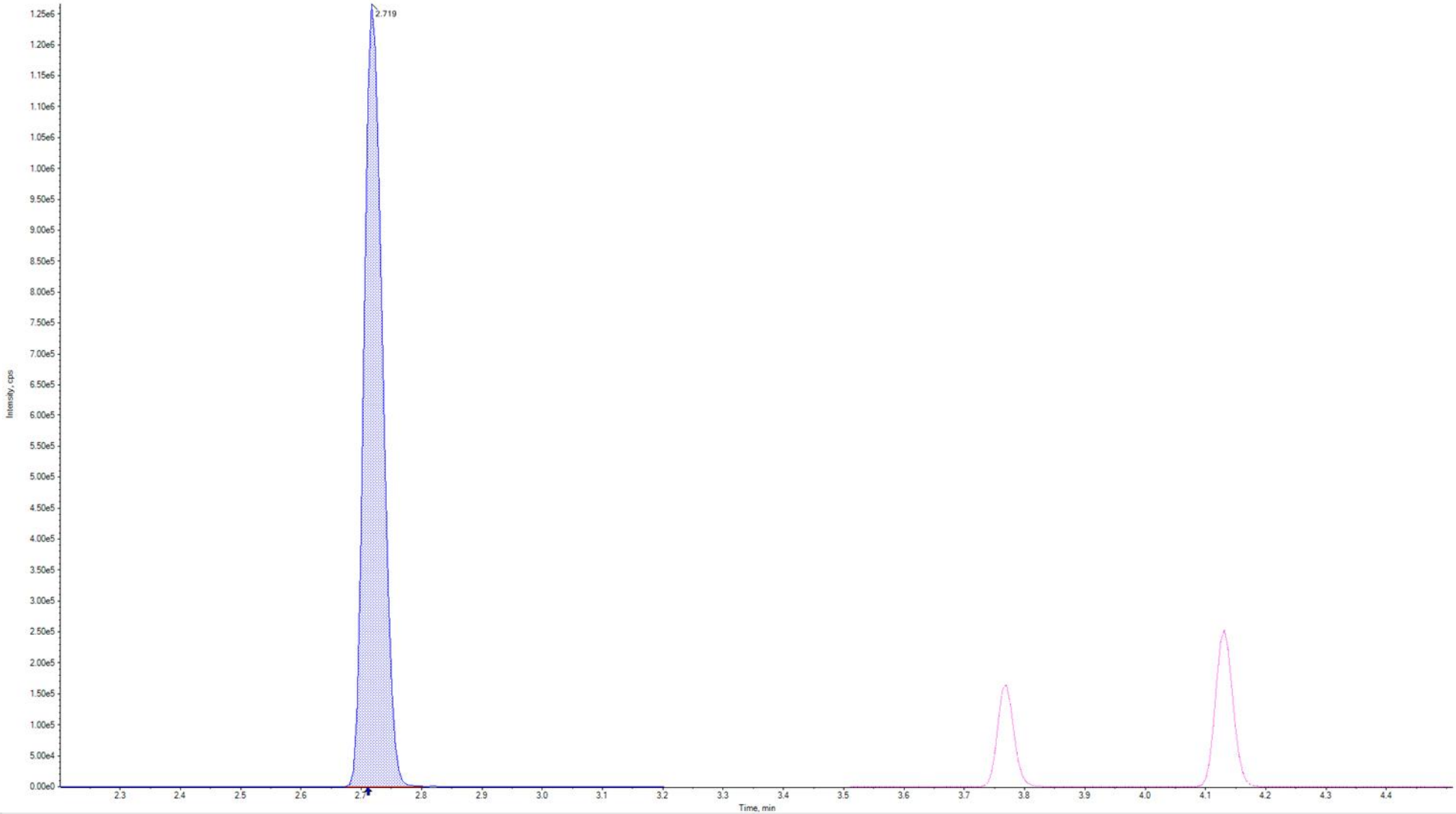


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/16/2024 8:11:58 PM
Generated: 12/16/2024 4:06:13 PM

NFDHA_2
Sample: IA1633STD-62.5 S/N:5741.3 Points Across peak:53

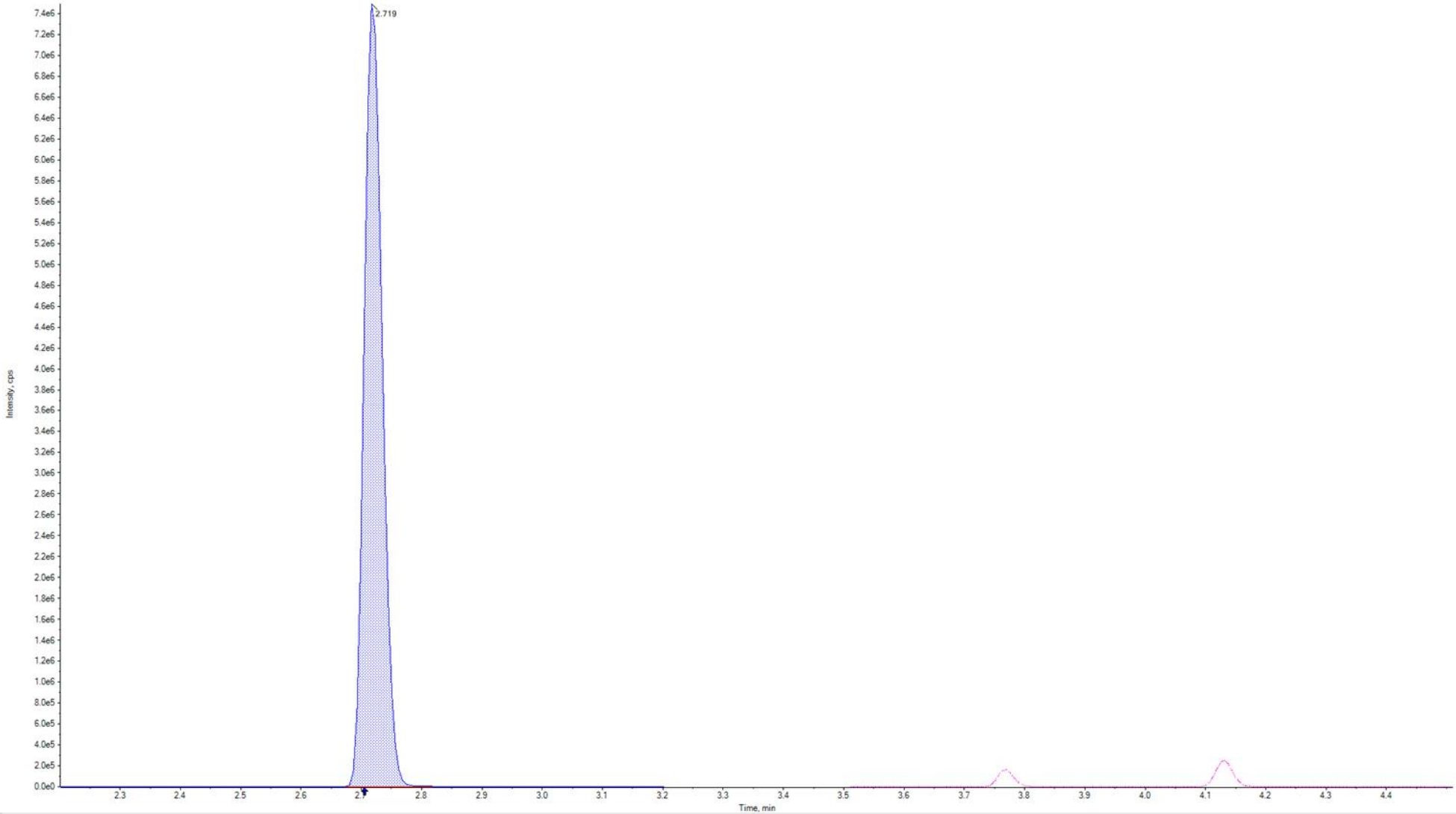


TDCA
Sample: IA1633STD-62.5 S/N:10158.5 Points Across peak:26



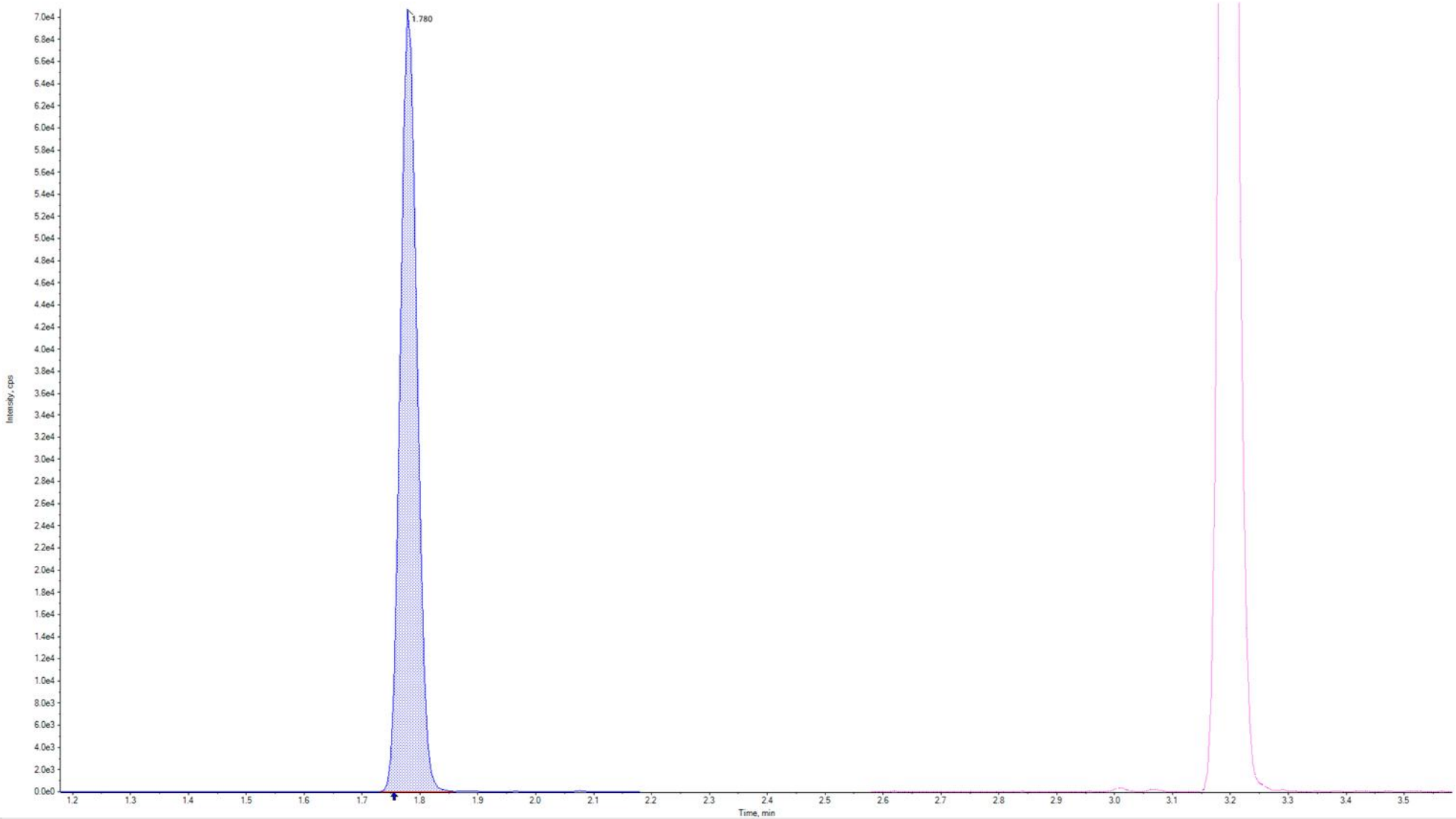
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Alpha Analytical LLC
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TDCA_2
Sample: IA1633STD-62.5 S/N:71173.4 Points Across peak:38



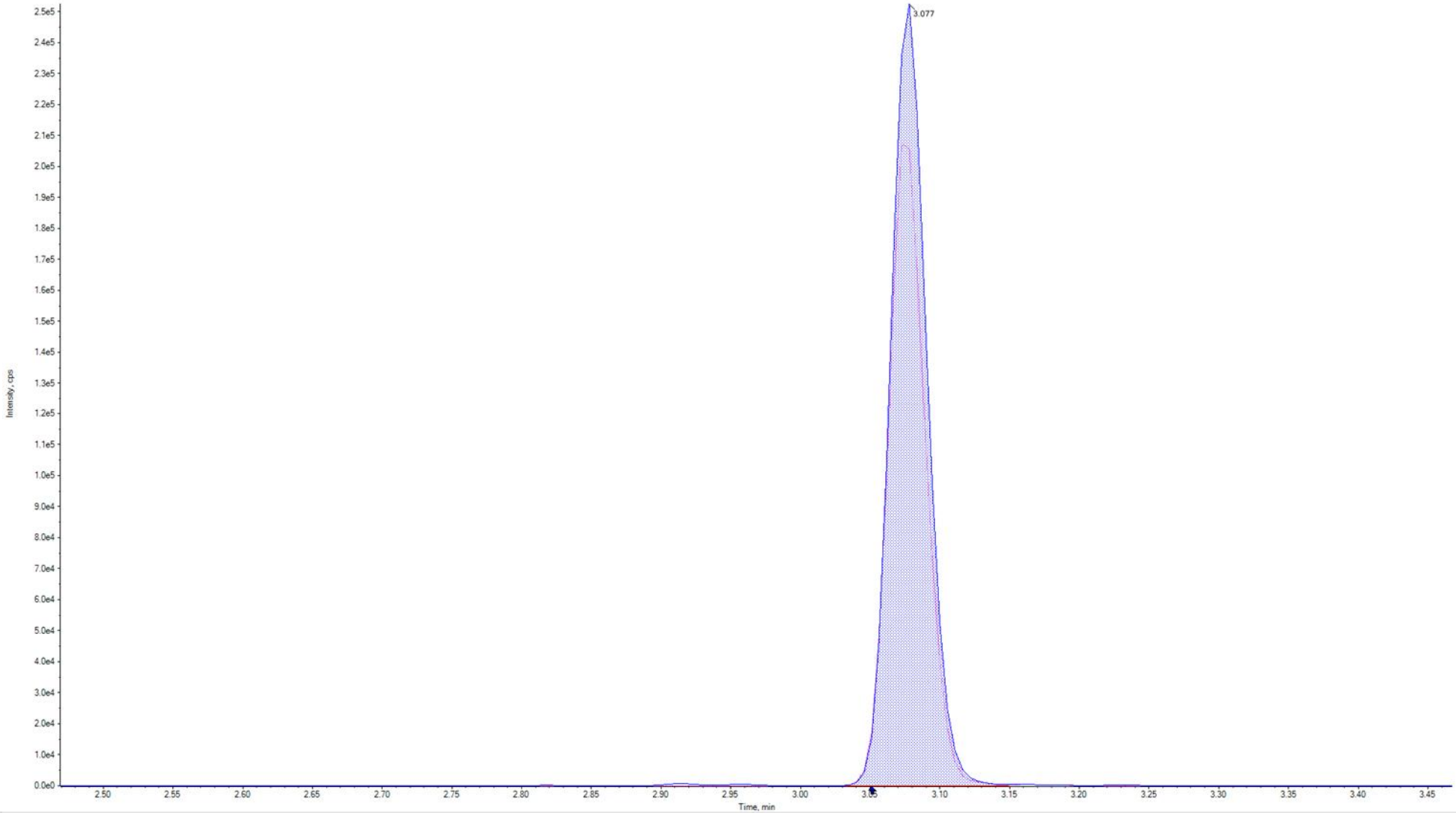
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13C2D4-4:2FTS
Sample: IA1633STD-62.5 S/N:2659.3 Points Across peak:26



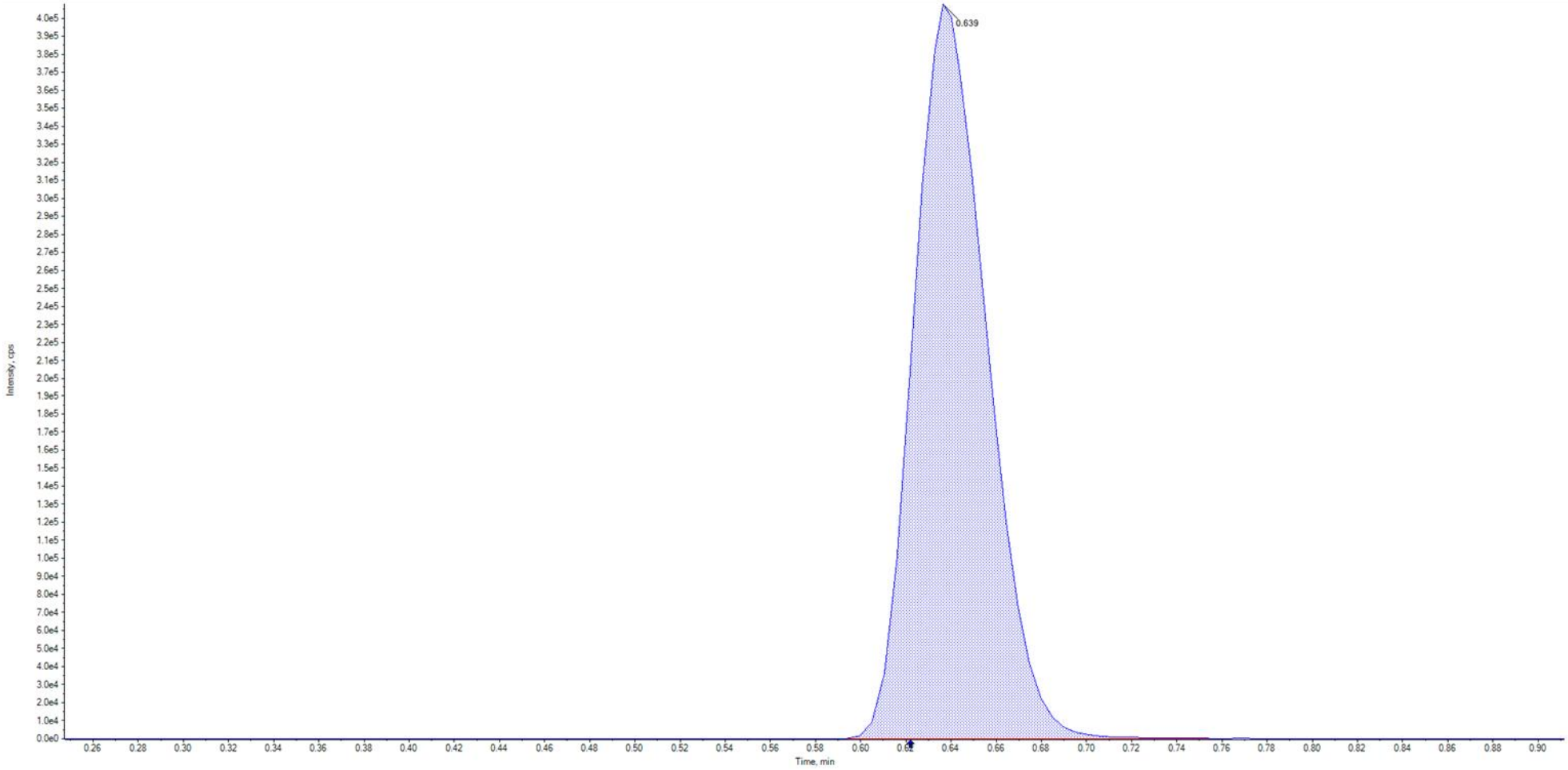
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13C2-PFOA
Sample: IA1633STD-62.5 S/N:4850.5 Points Across peak:25

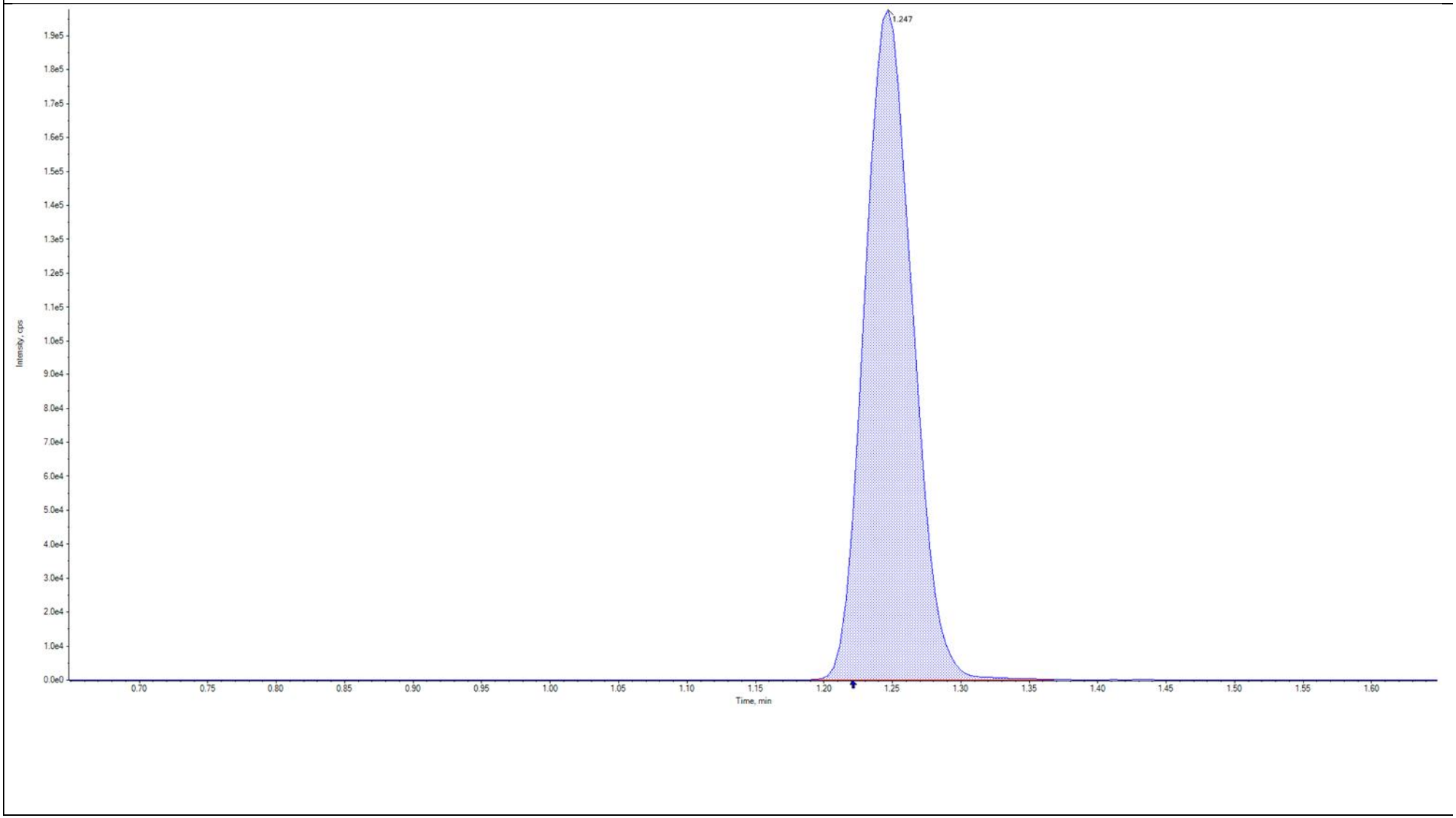


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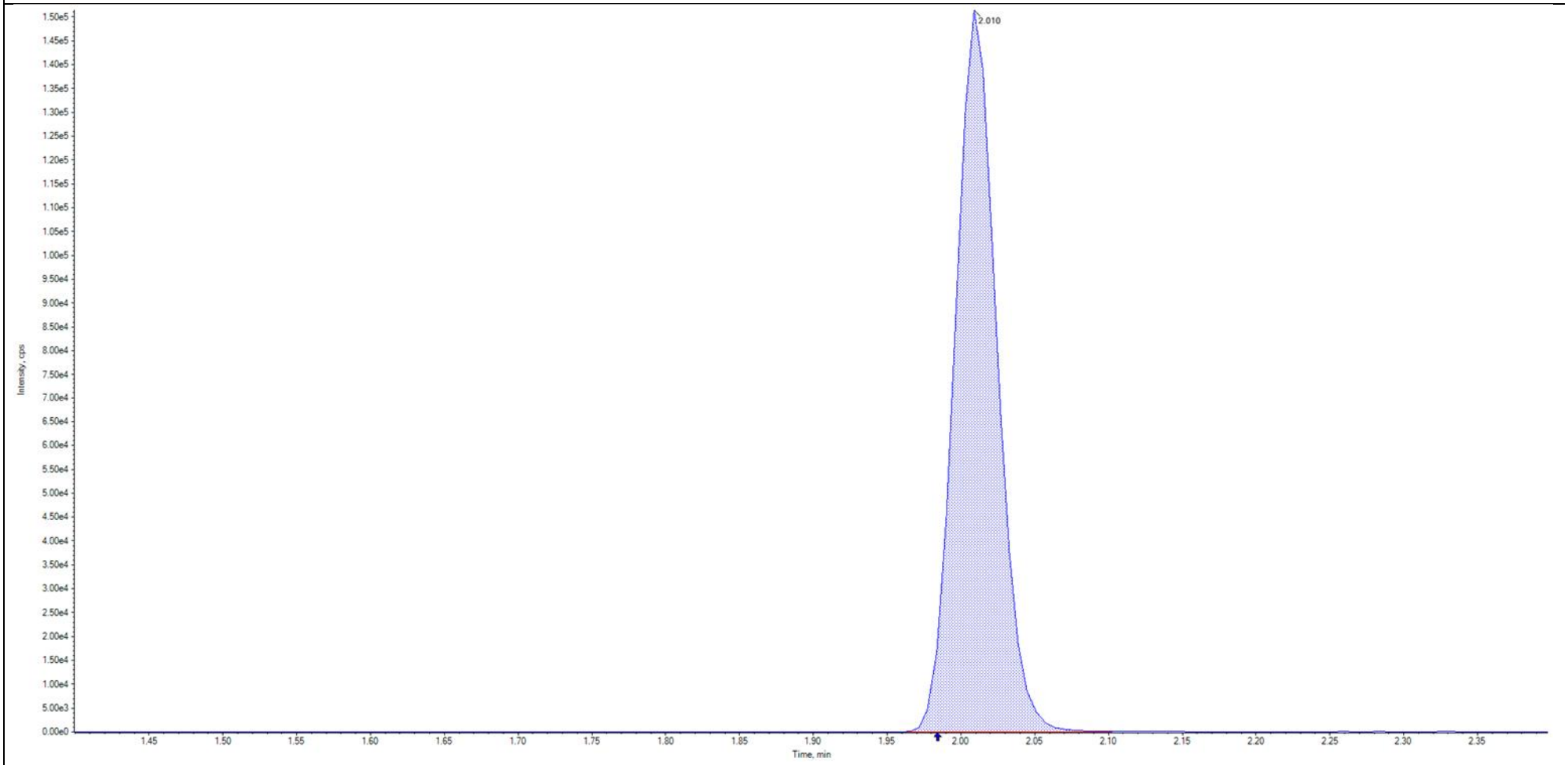
13C4-PFBA
Sample: IA1633STD-62.5



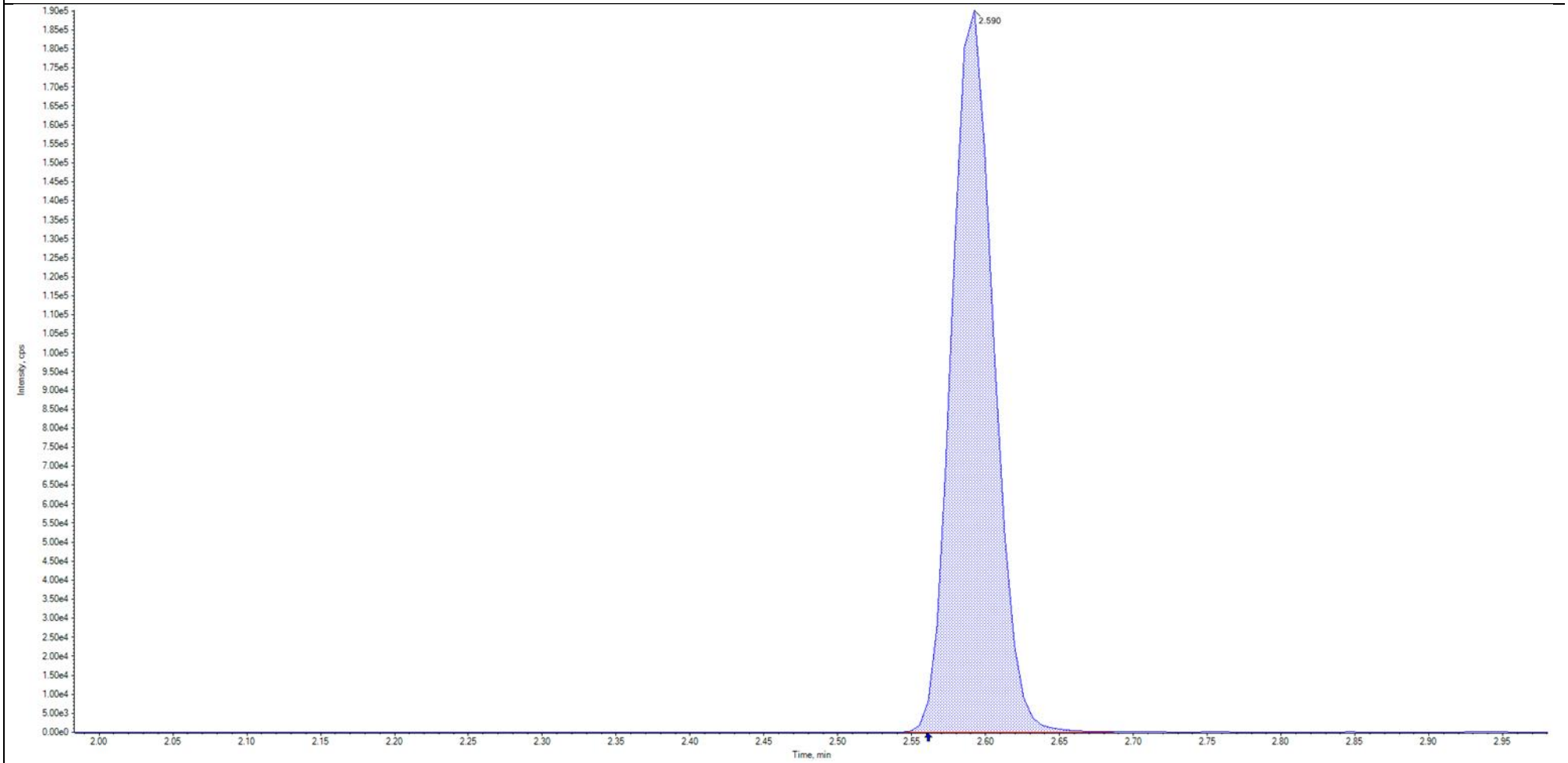
13C5-PFPeA
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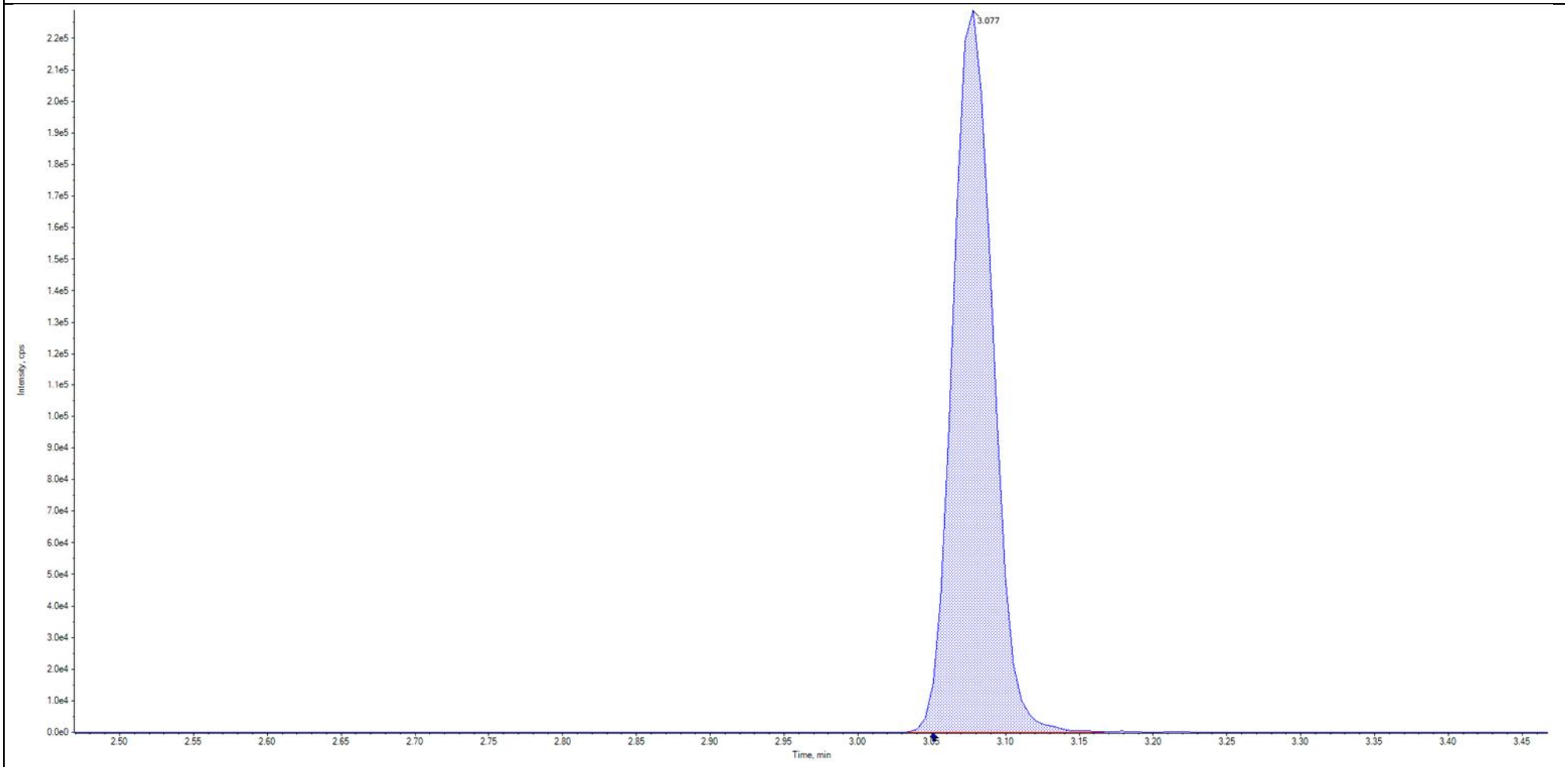
13C5-PFHxA
Sample: IA1633STD-62.5



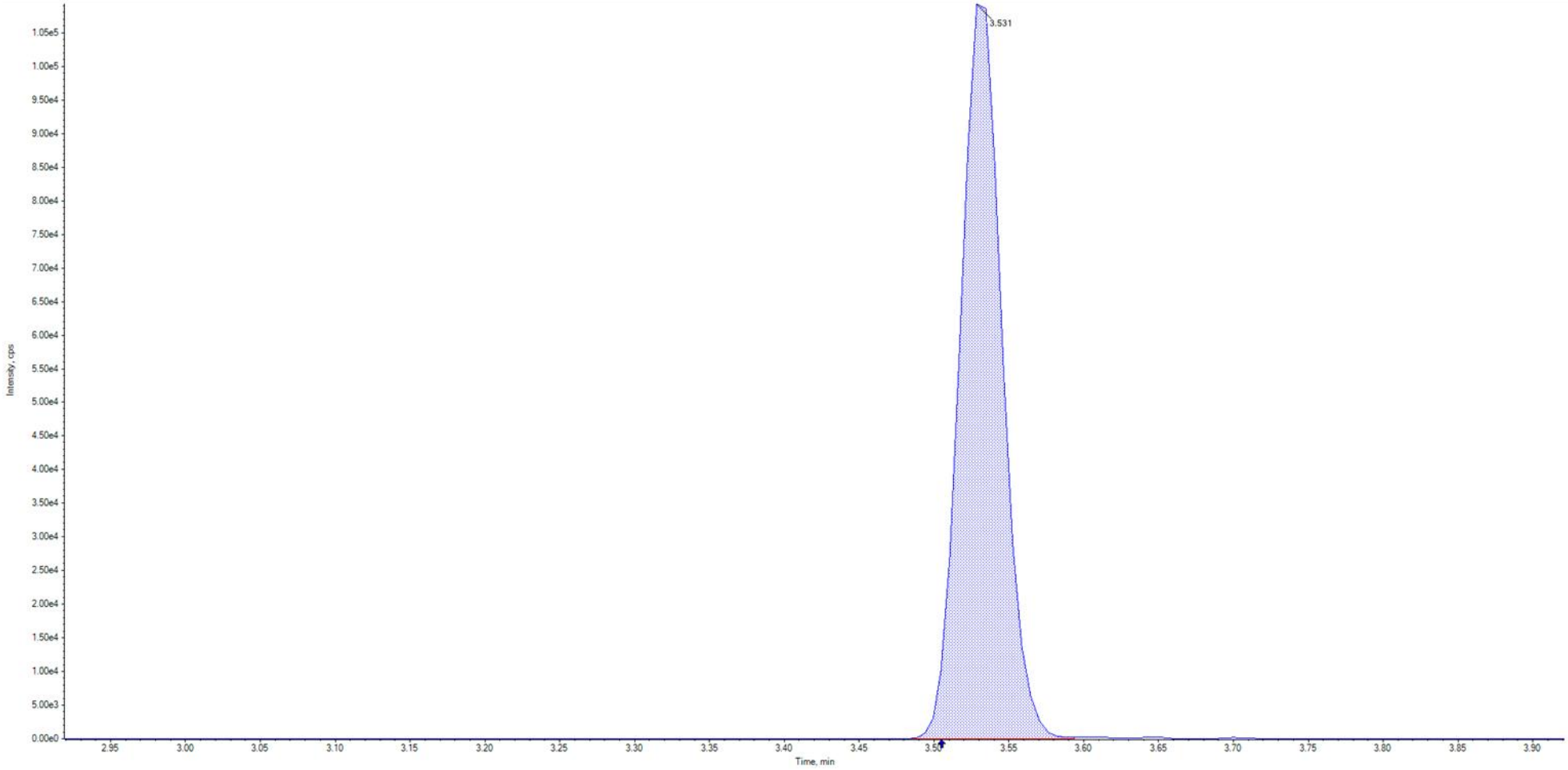
13C4-PFHpA
Sample: IA1633STD-62.5



13C8-PFOA
Sample: IA1633STD-62.5

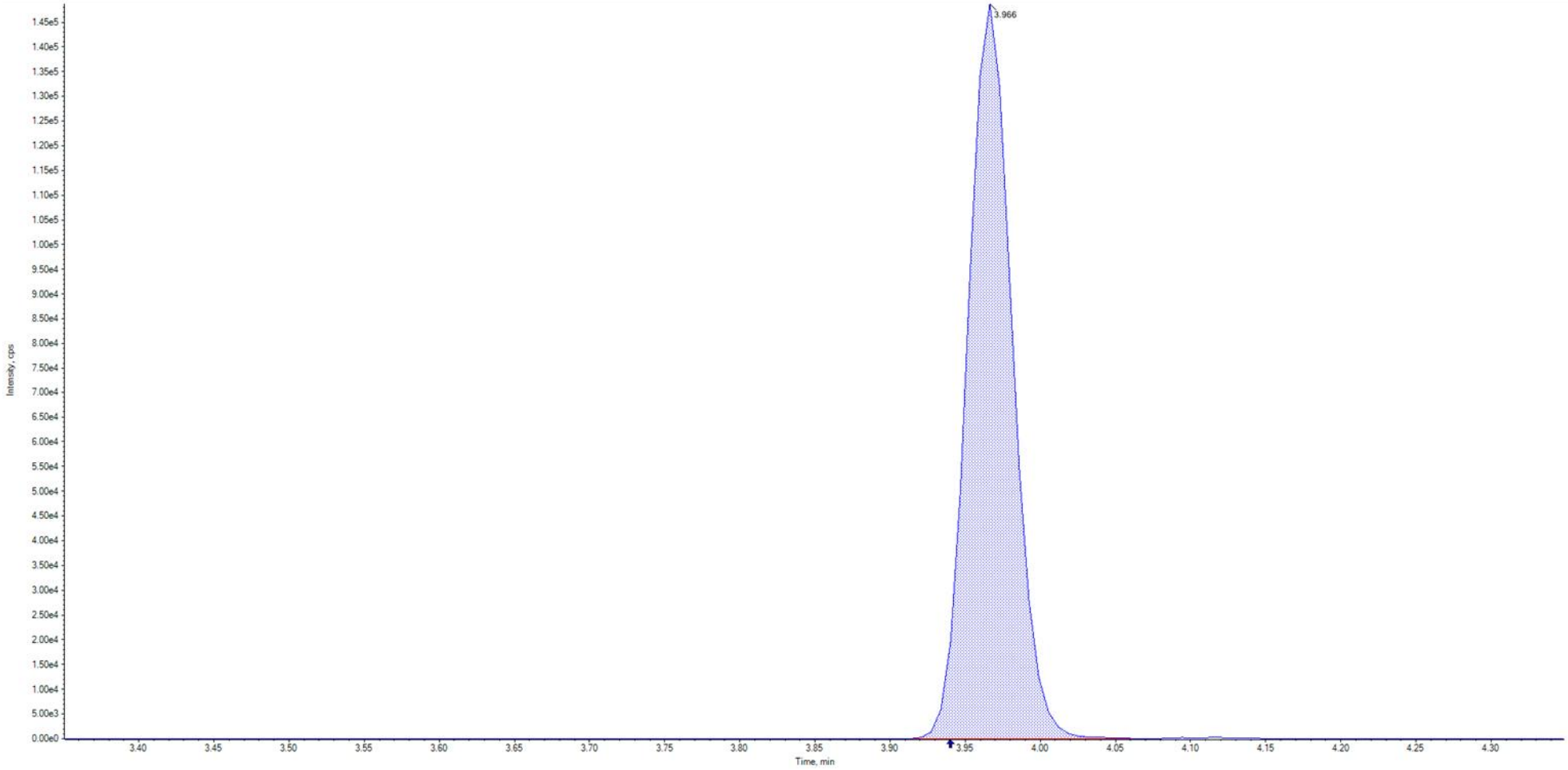


13C9-PFNA
Sample: IA1633STD-62.5

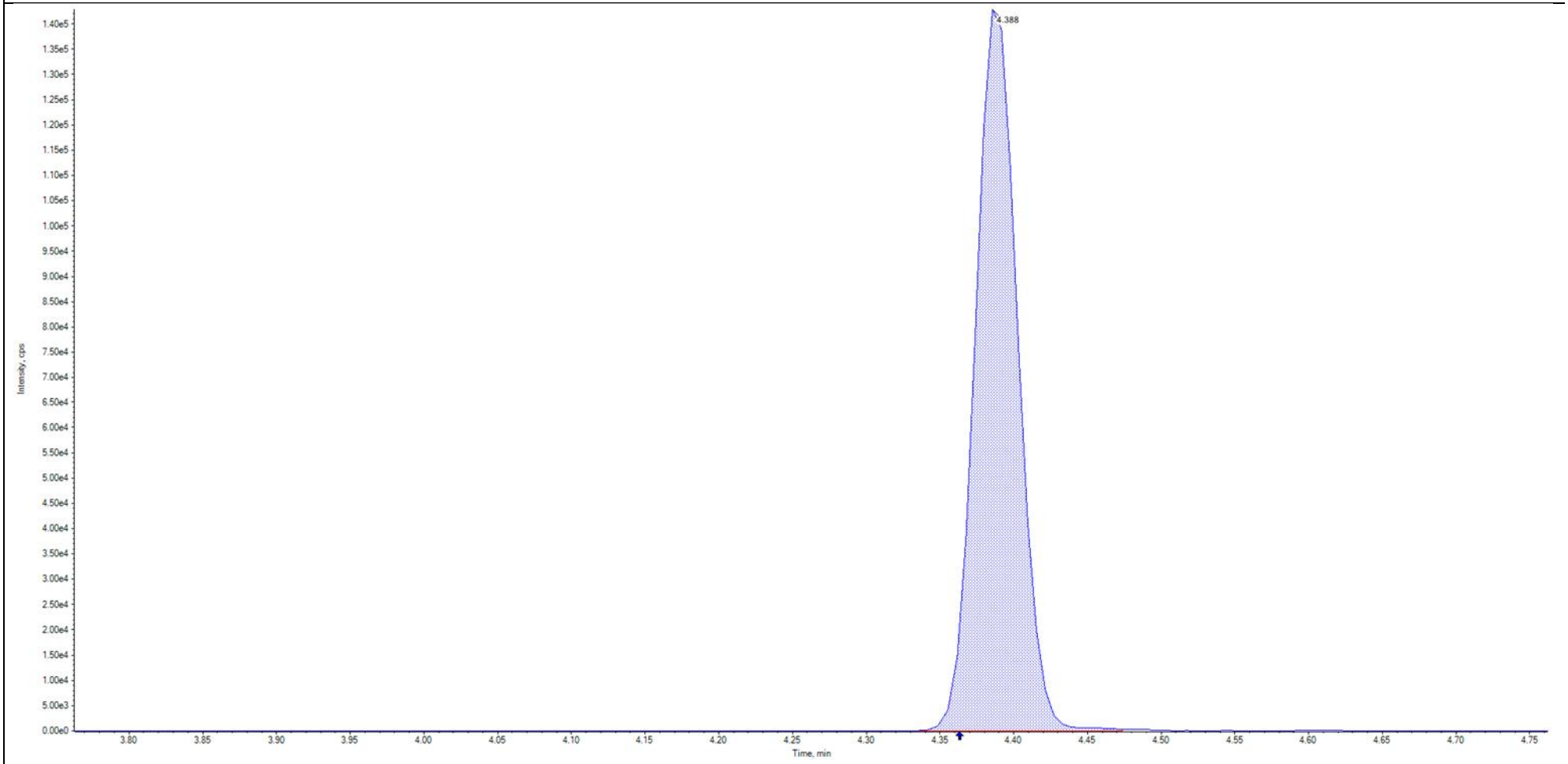


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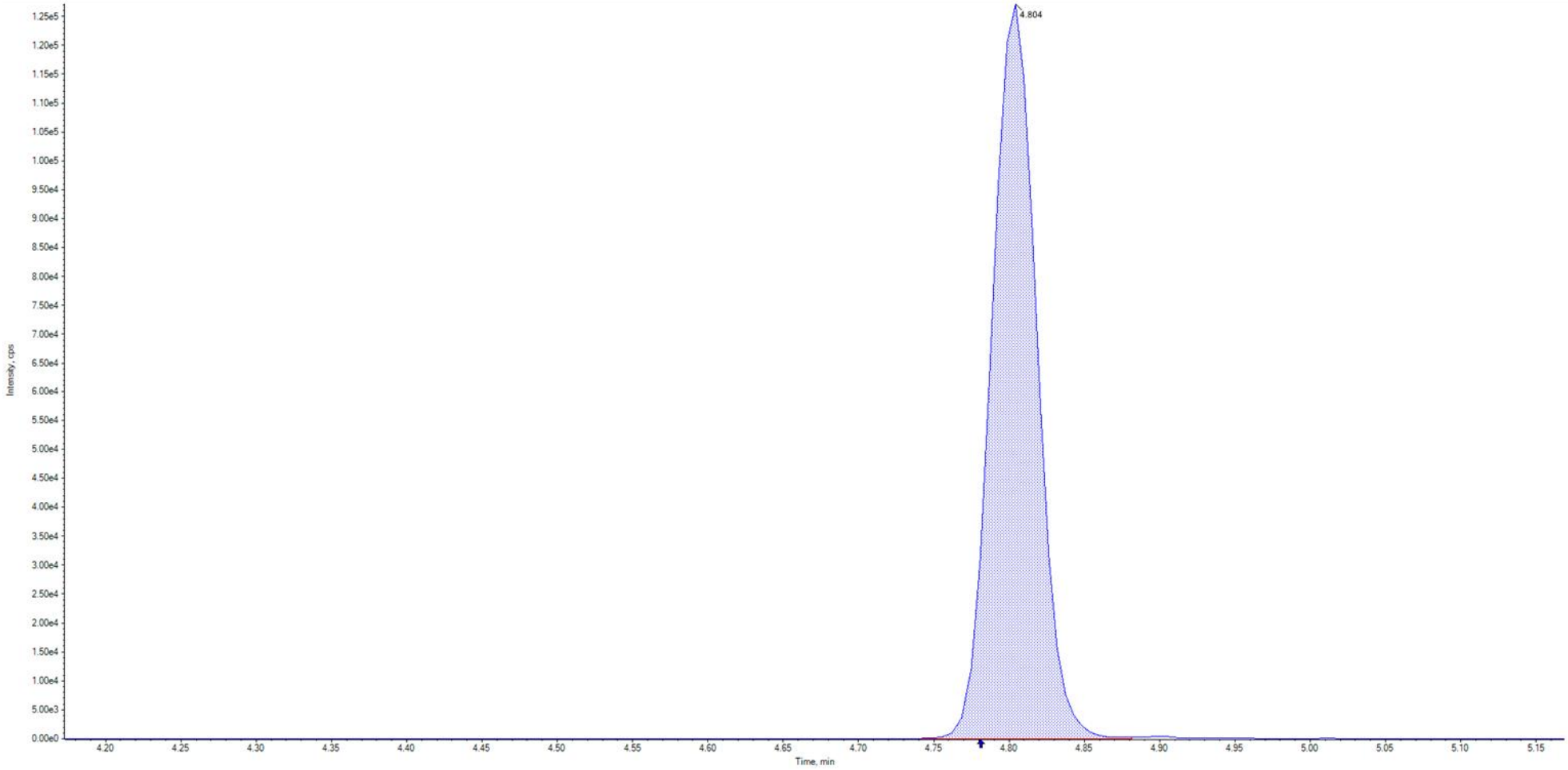
13C6-PFDA
Sample: IA1633STD-62.5



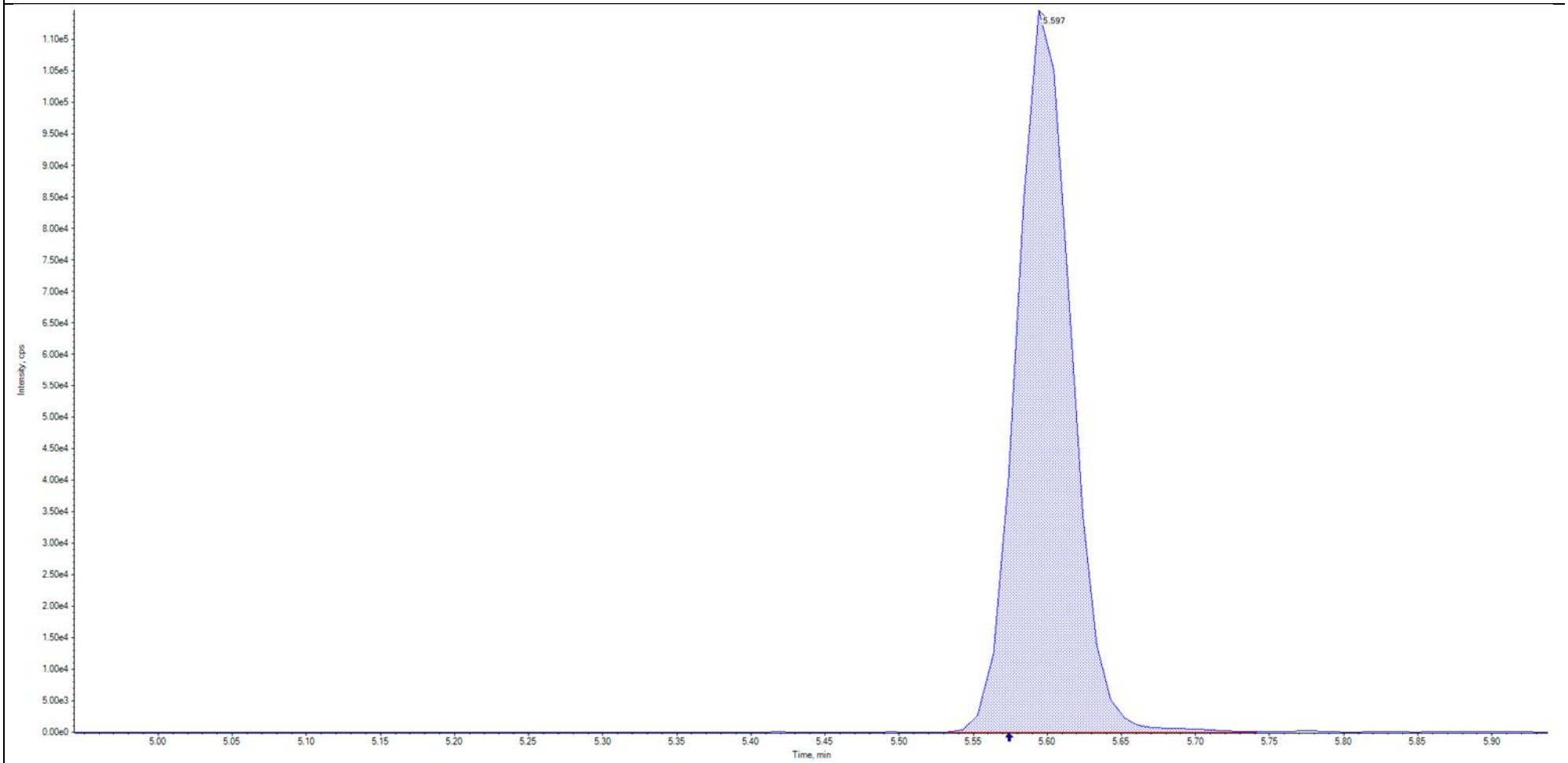
13C7-PFUnA
Sample: IA1633STD-62.5



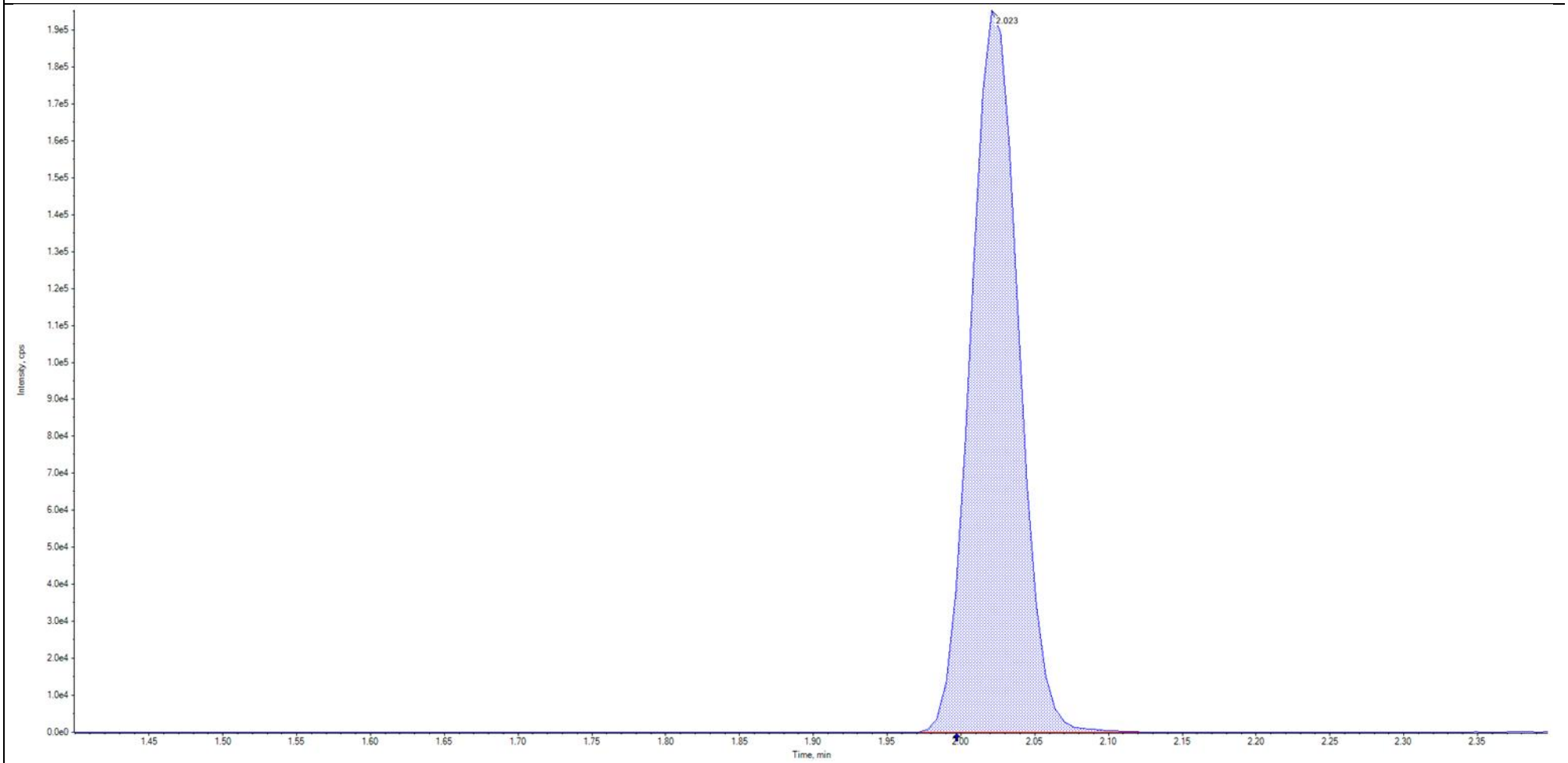
13C2-PFDoA
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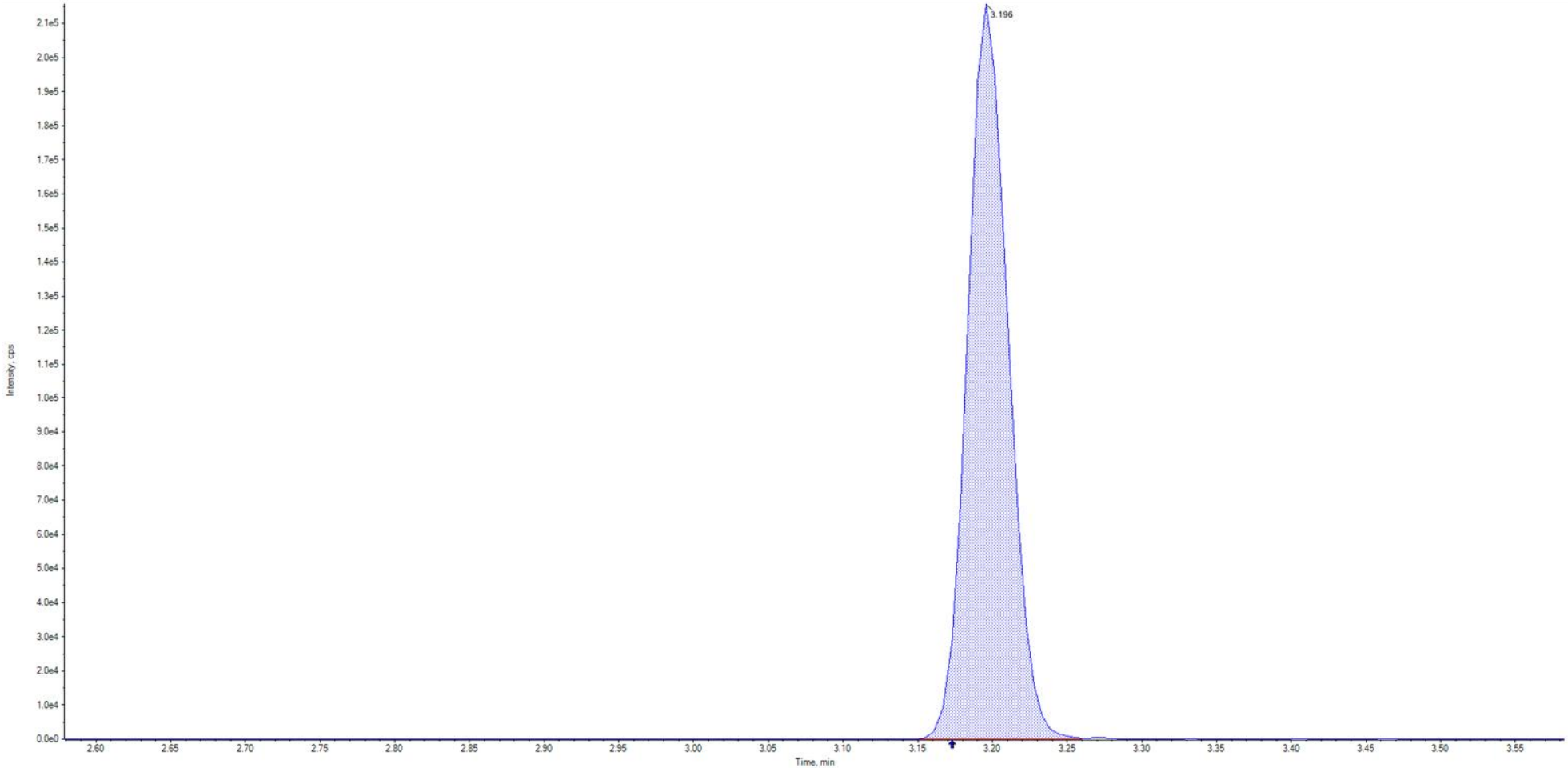
13C2-PFTeDA
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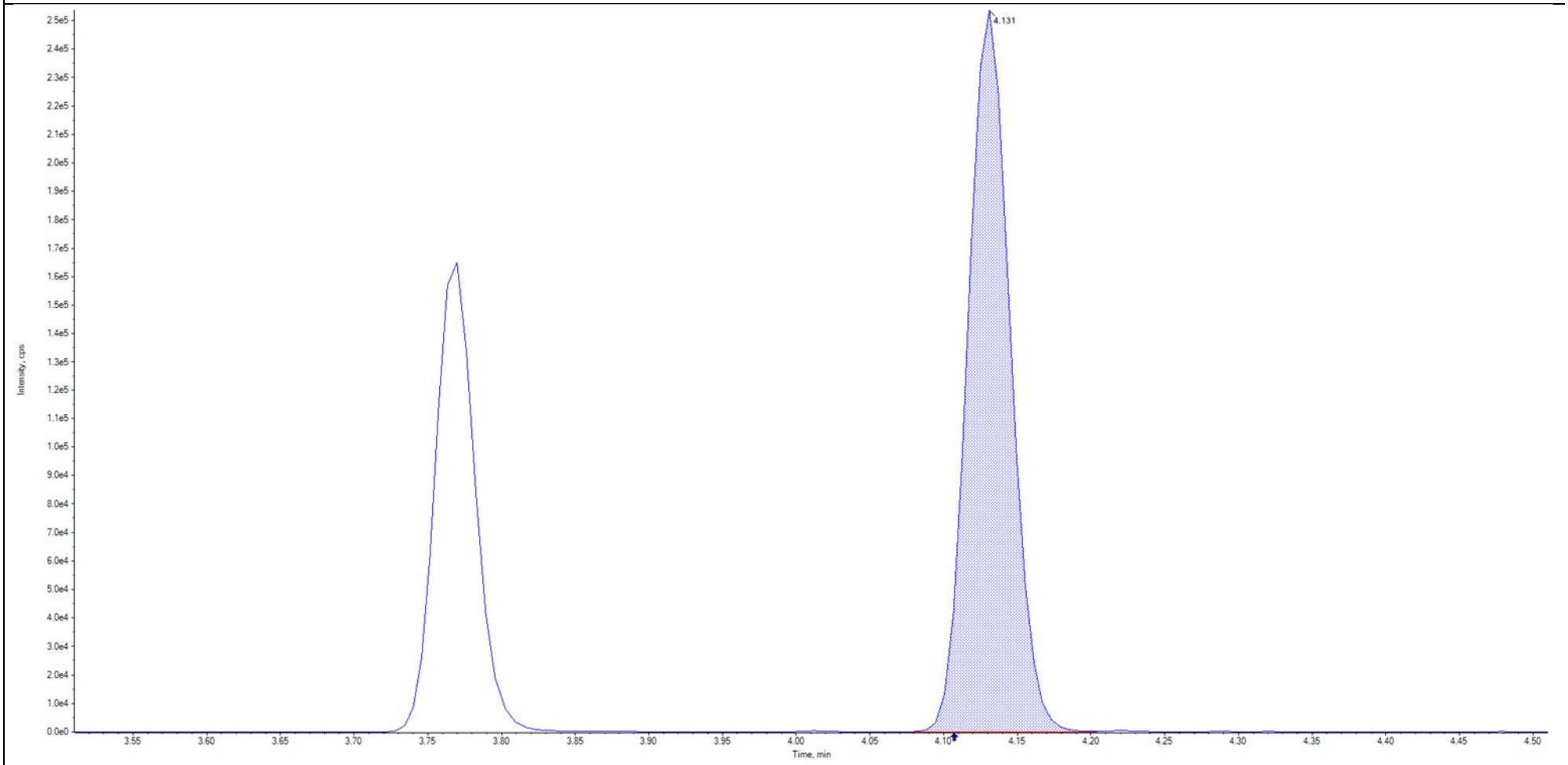
13C3-PFBS
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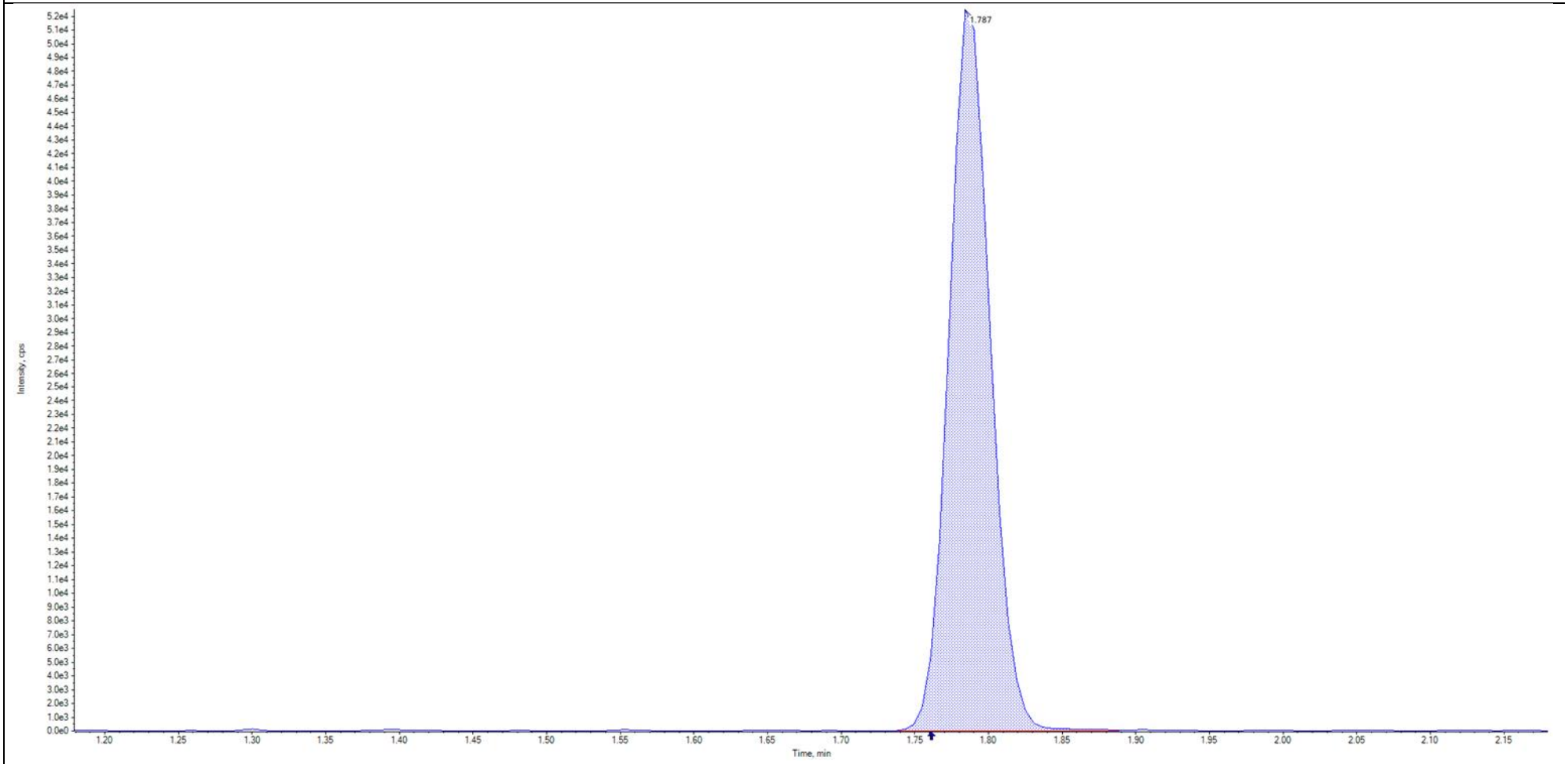
13C3-PFHxS
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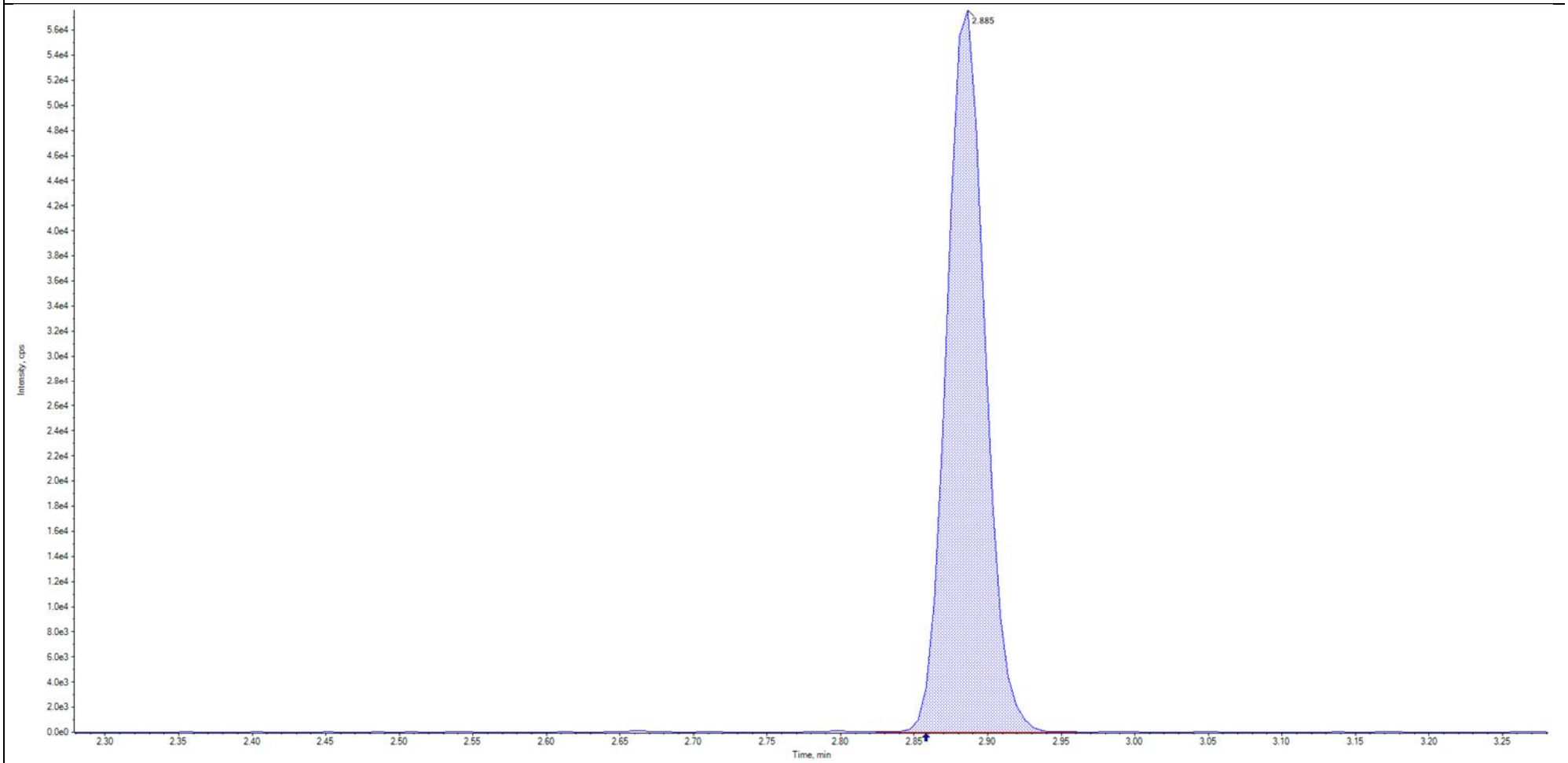
13C8-PFOS
Sample: IA1633STD-62.5



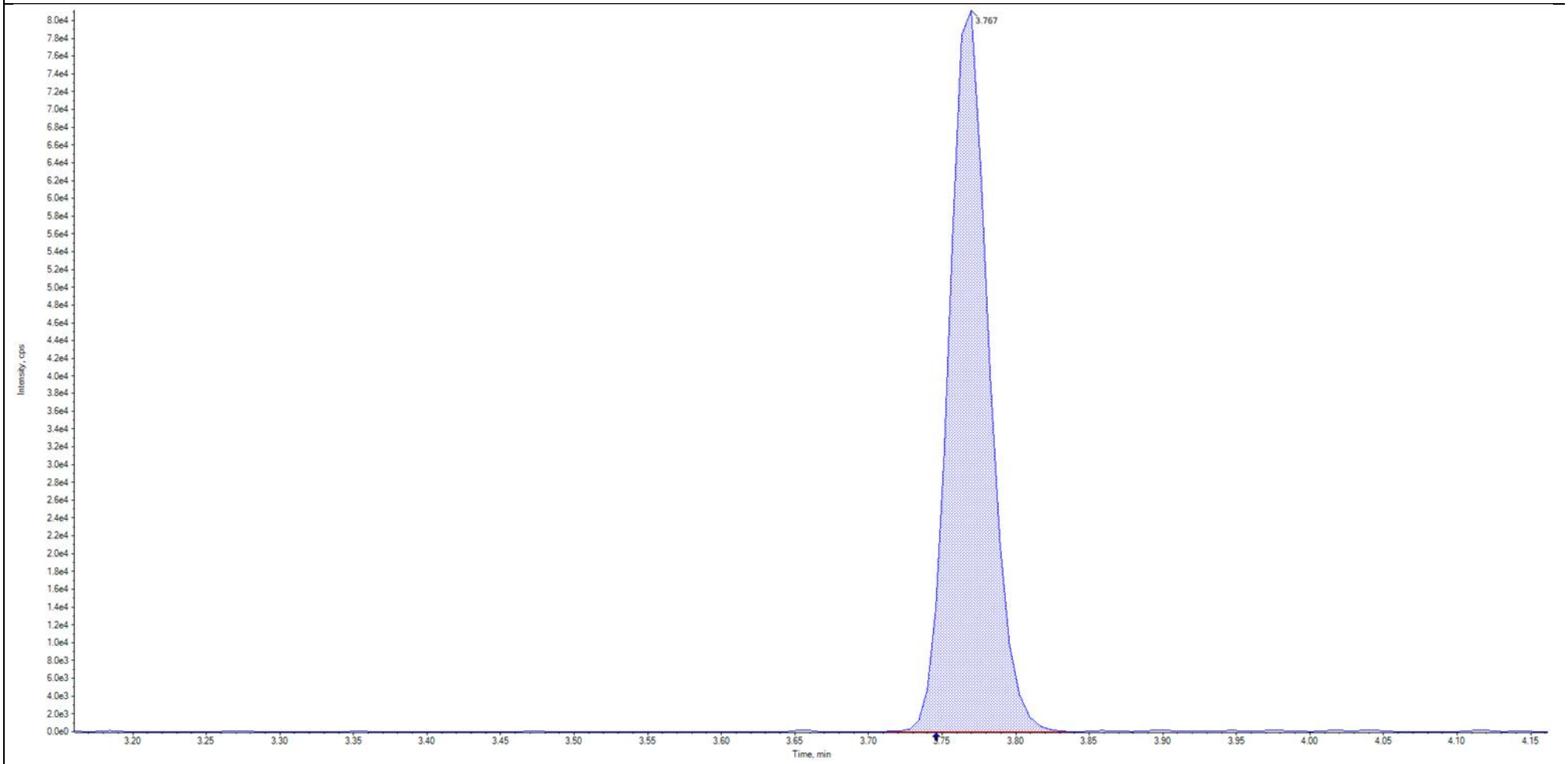
13C2-4:2FTS
Sample: IA1633STD-62.5



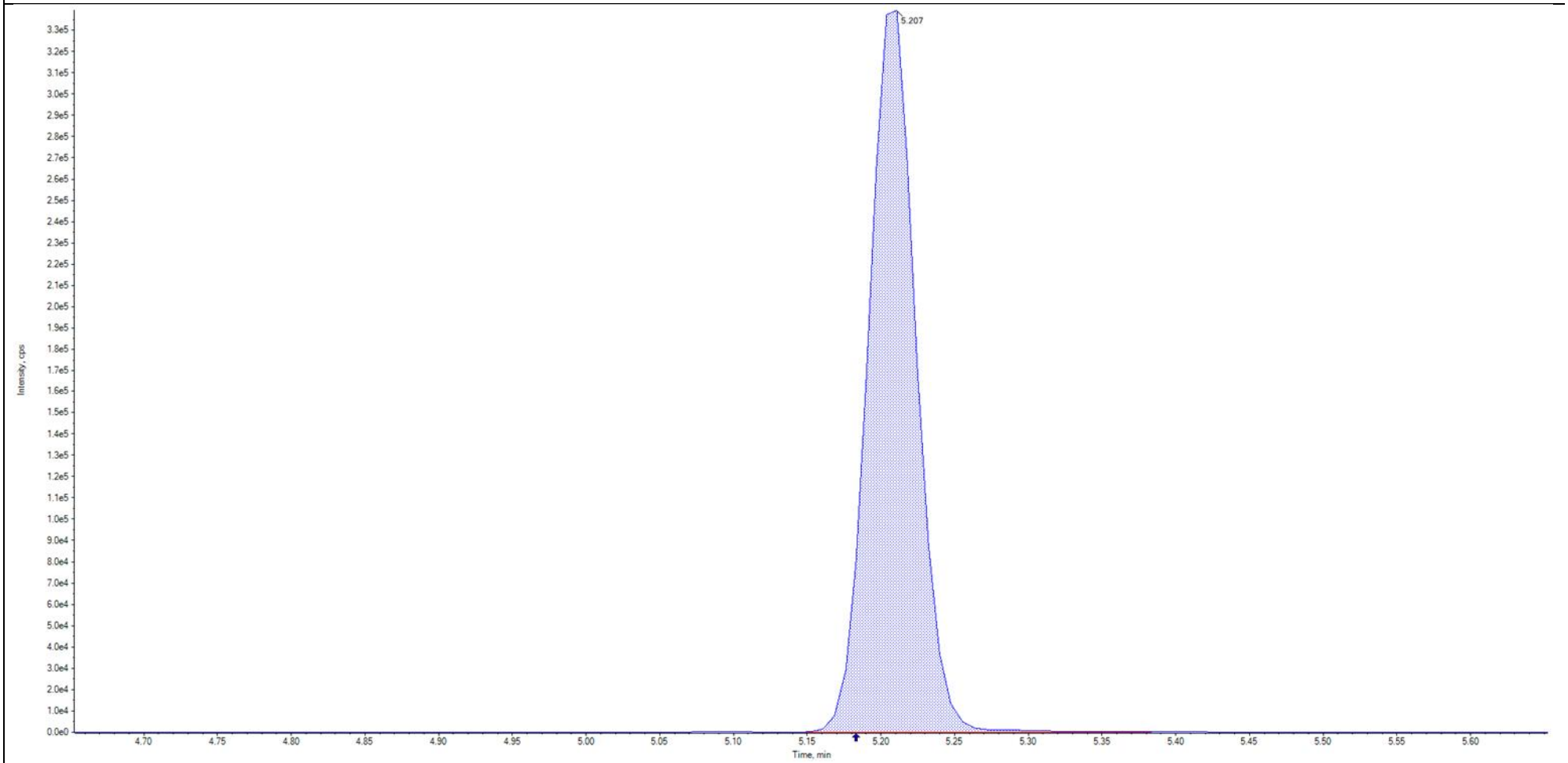
13C2-6:2FTS
Sample: IA1633STD-62.5



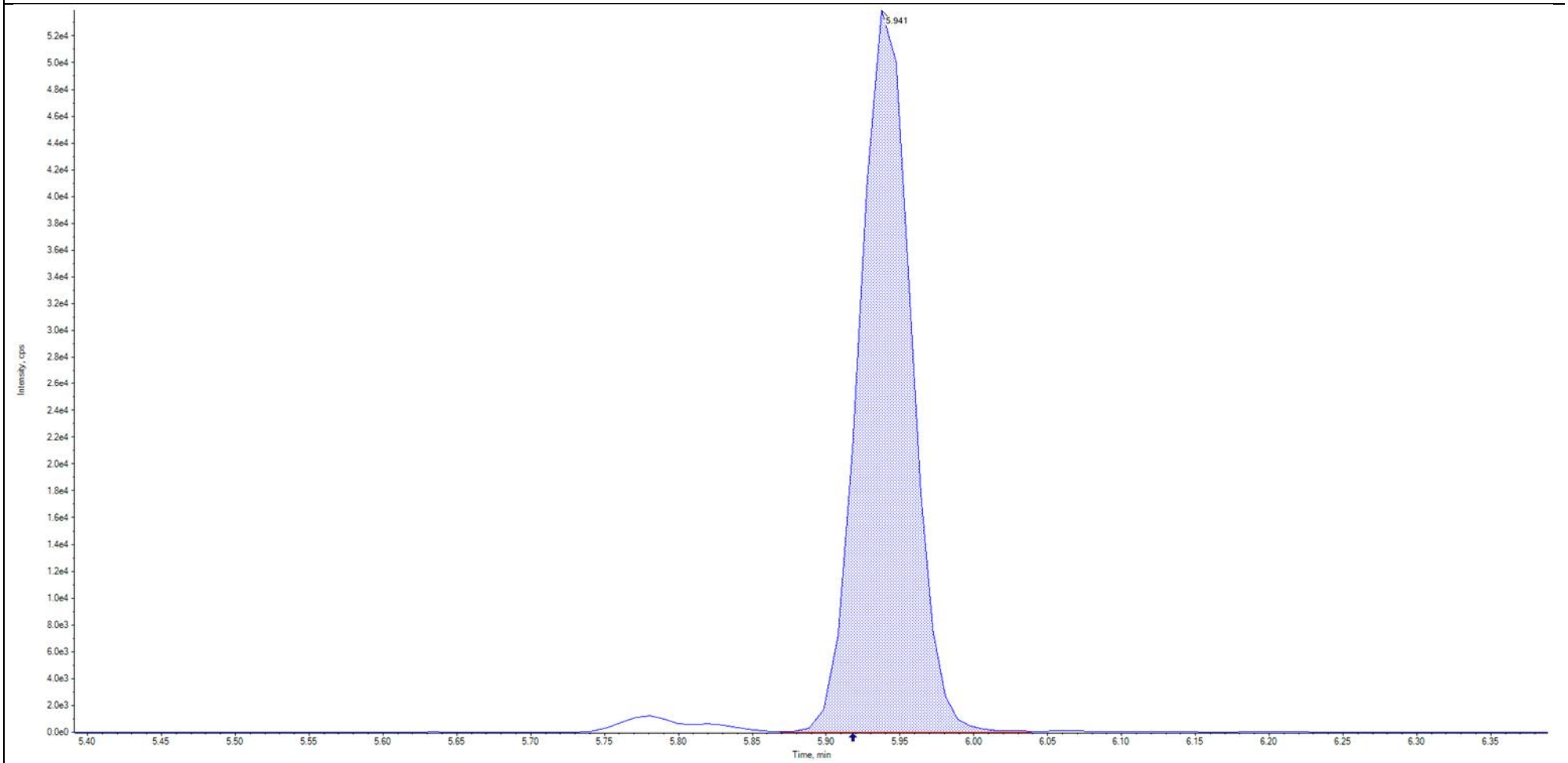
13C2-8:2FTS
Sample: IA1633STD-62.5



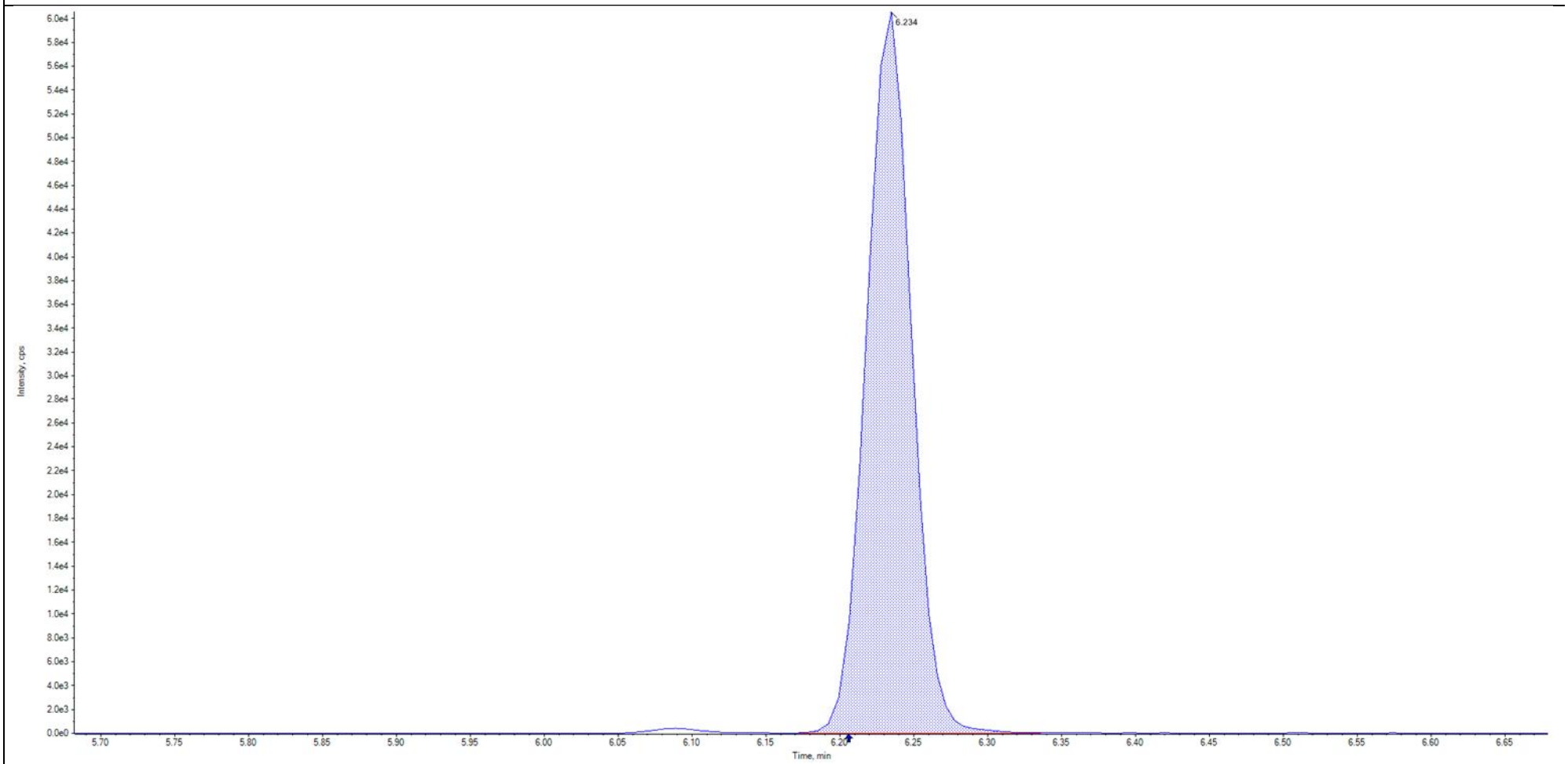
13C8-PFOSA
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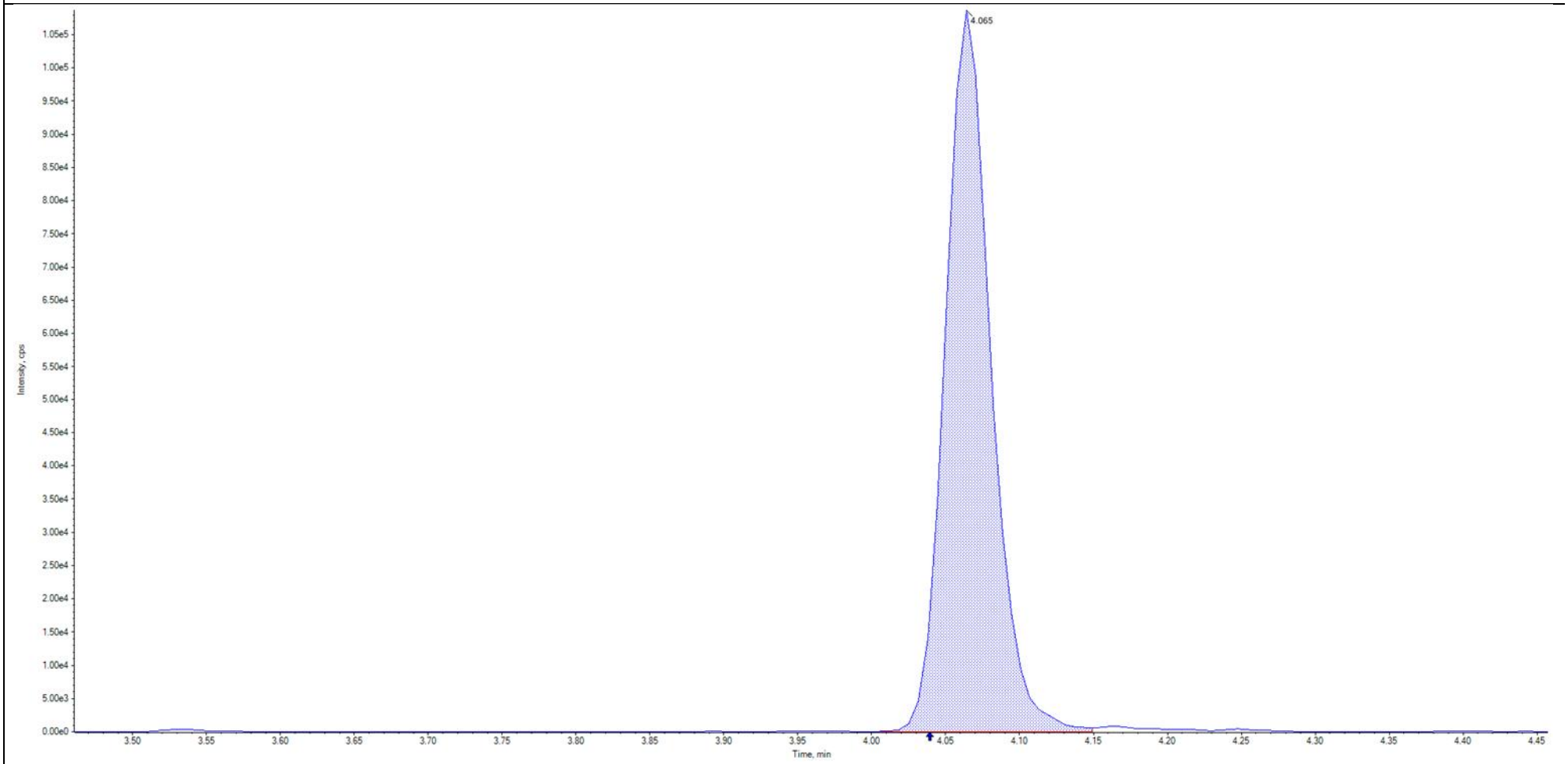
d3-NMeFOSA
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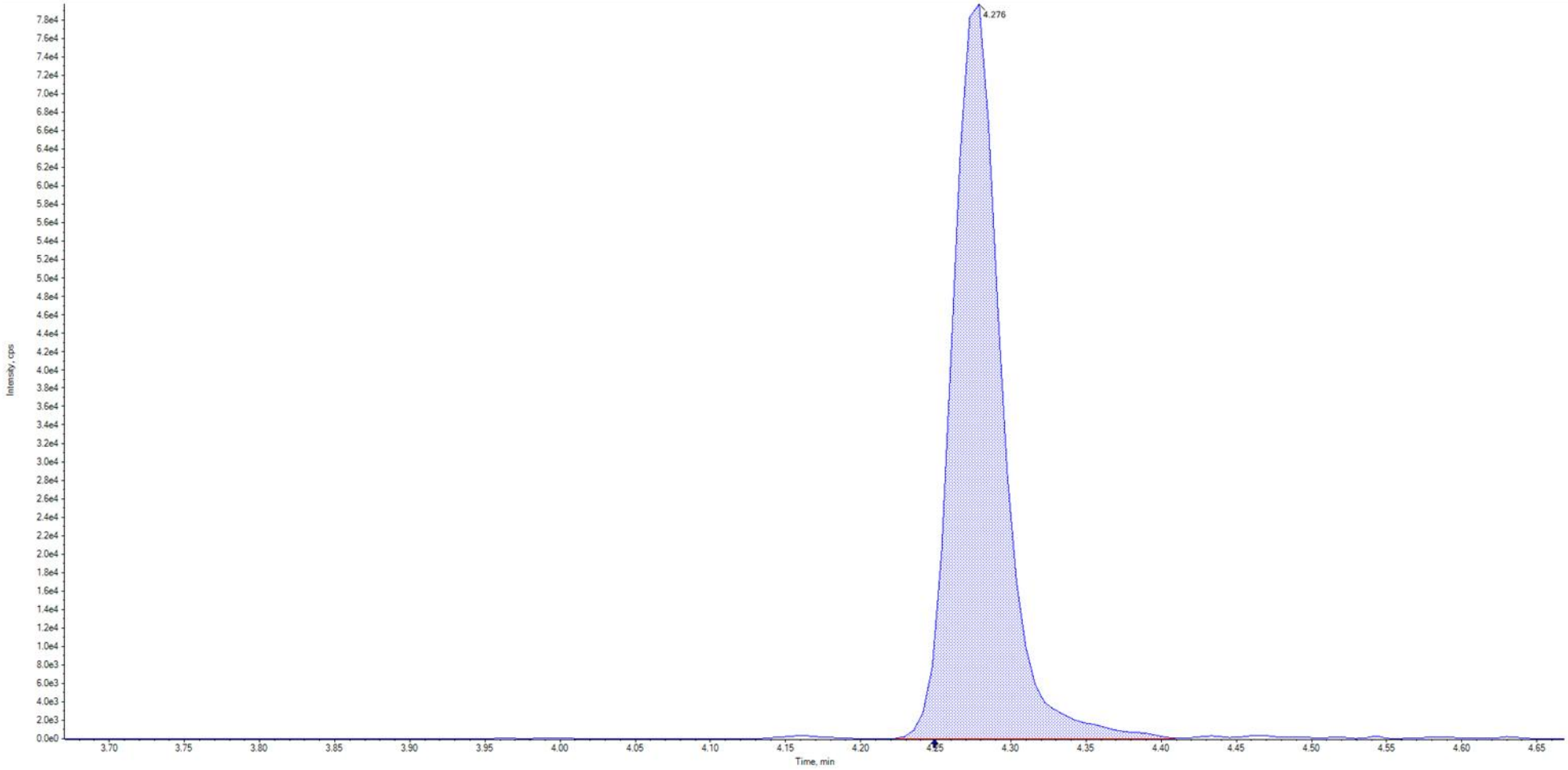
d5-NEtFOSA
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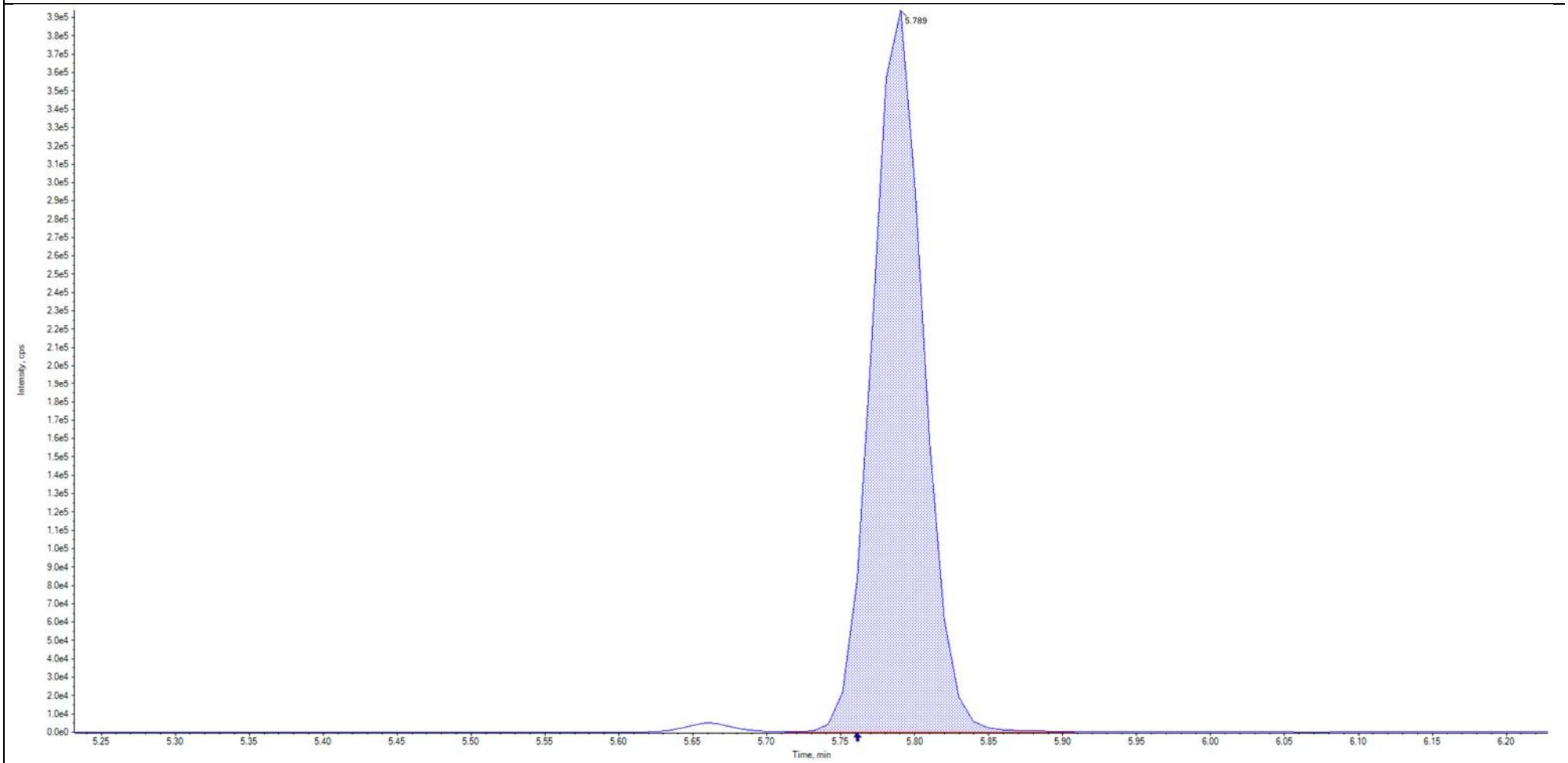
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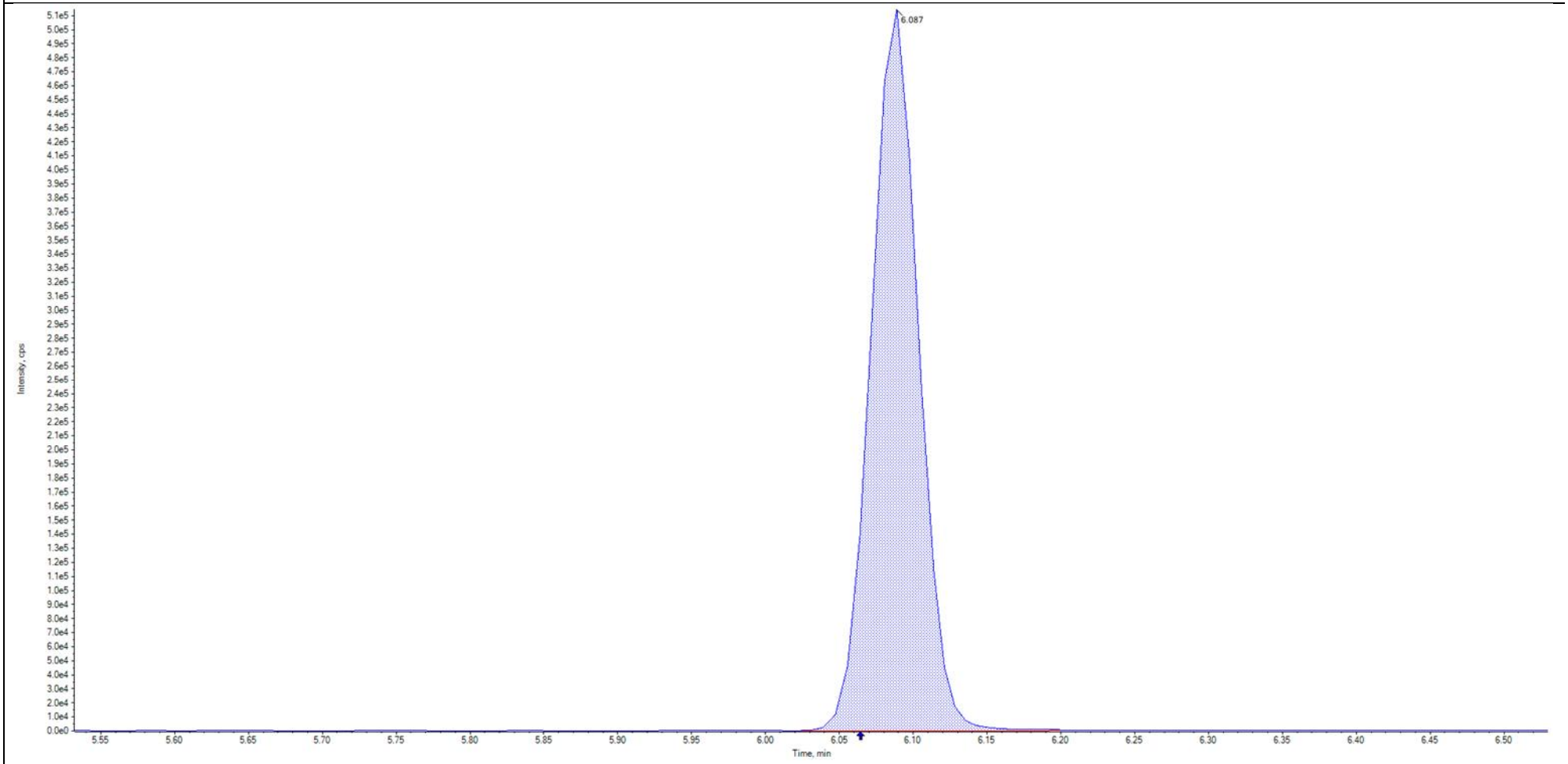
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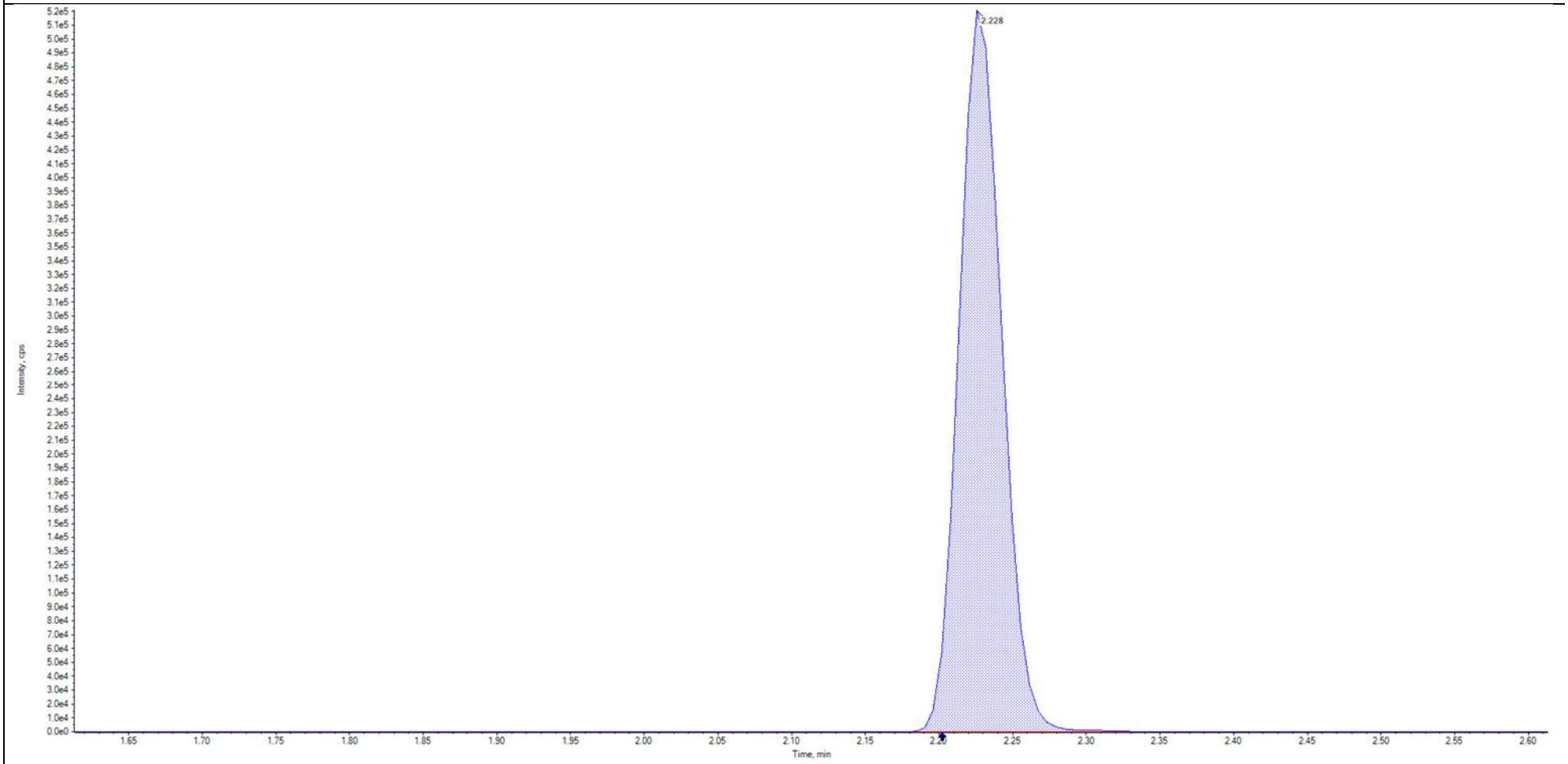
d7-NMeFOSE
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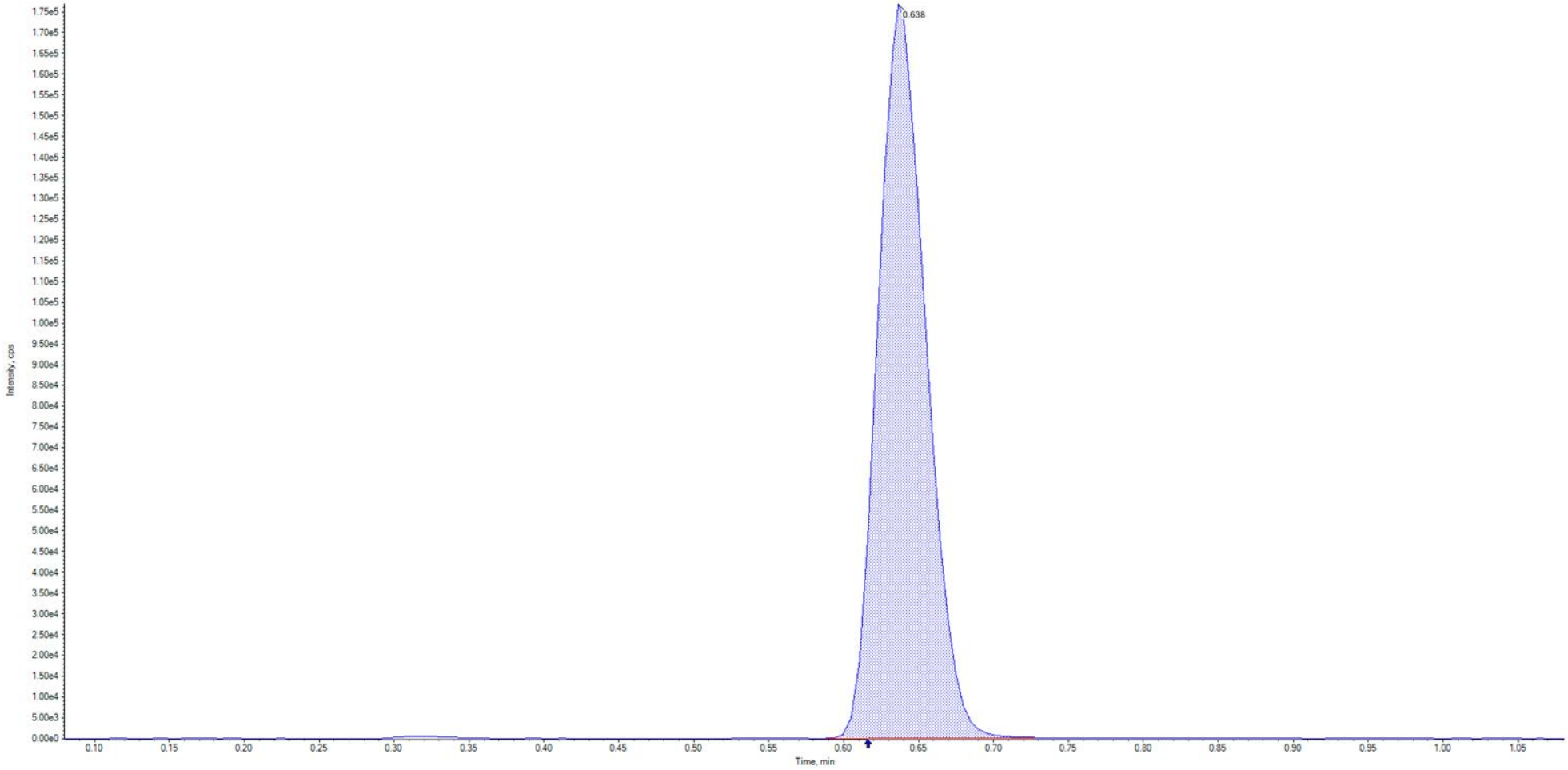
d9-NEtFOSE
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13C3-HFPO-DA
Sample: IA1633STD-62.5

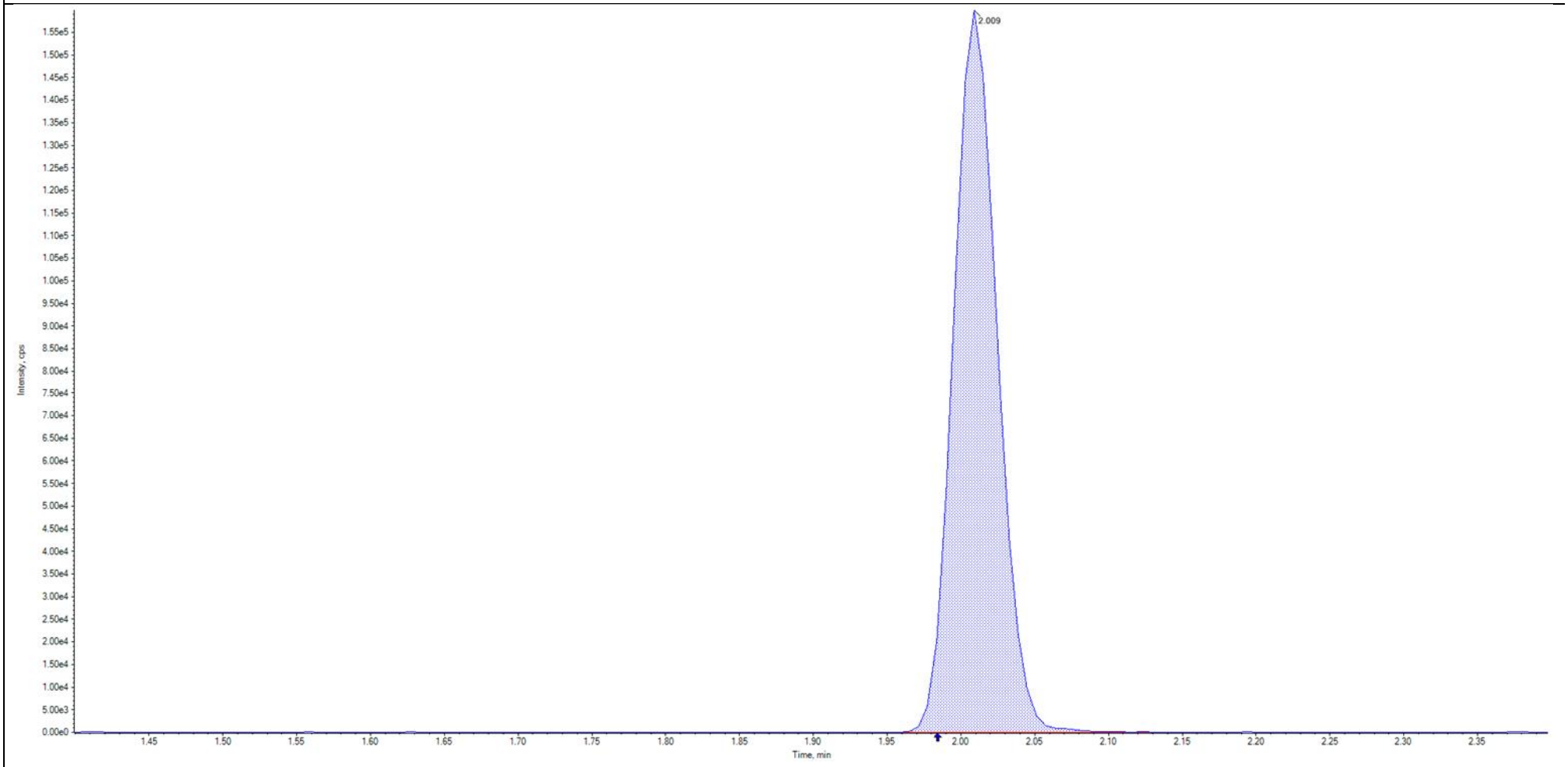


13C3-PFBA
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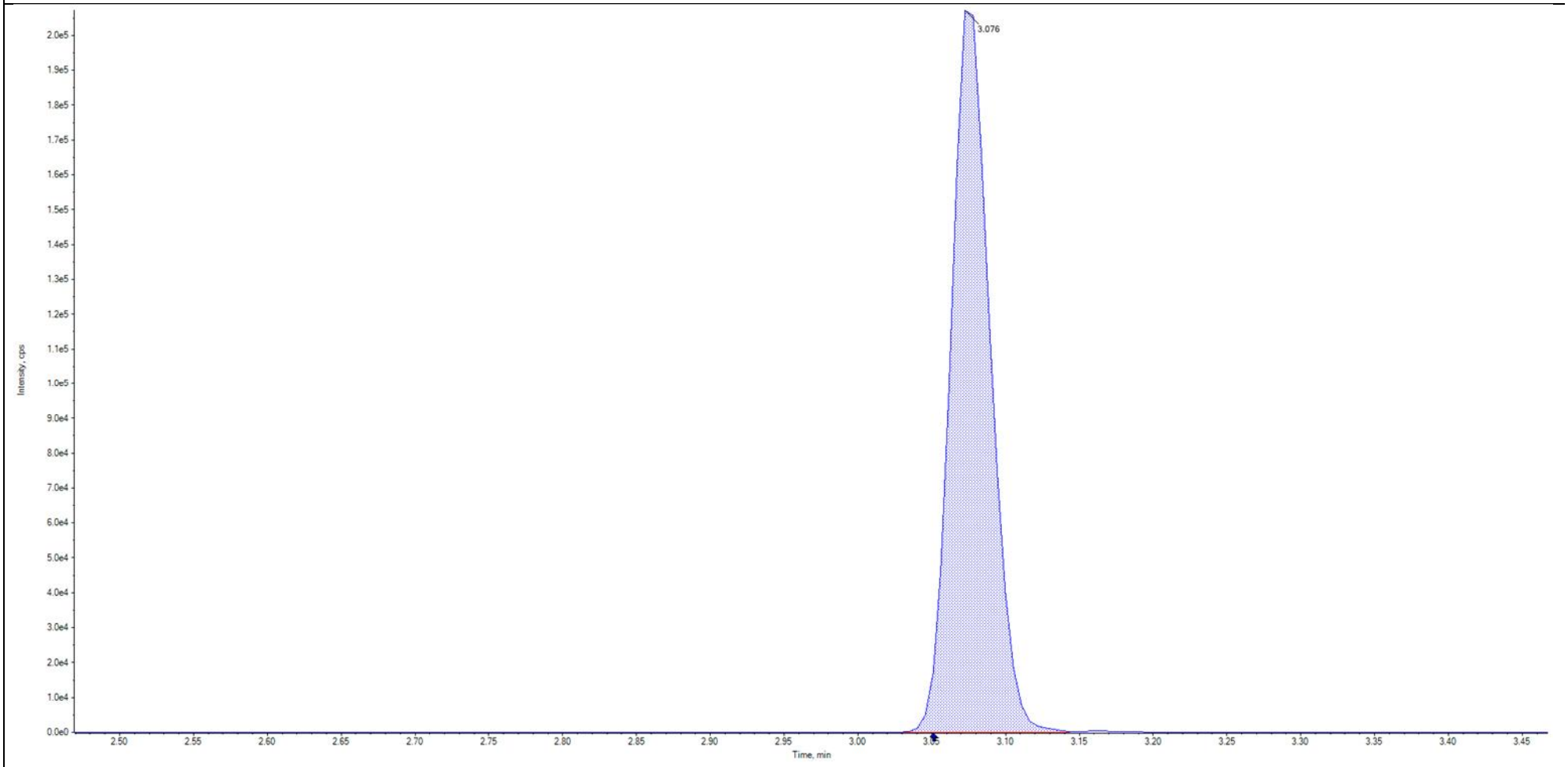


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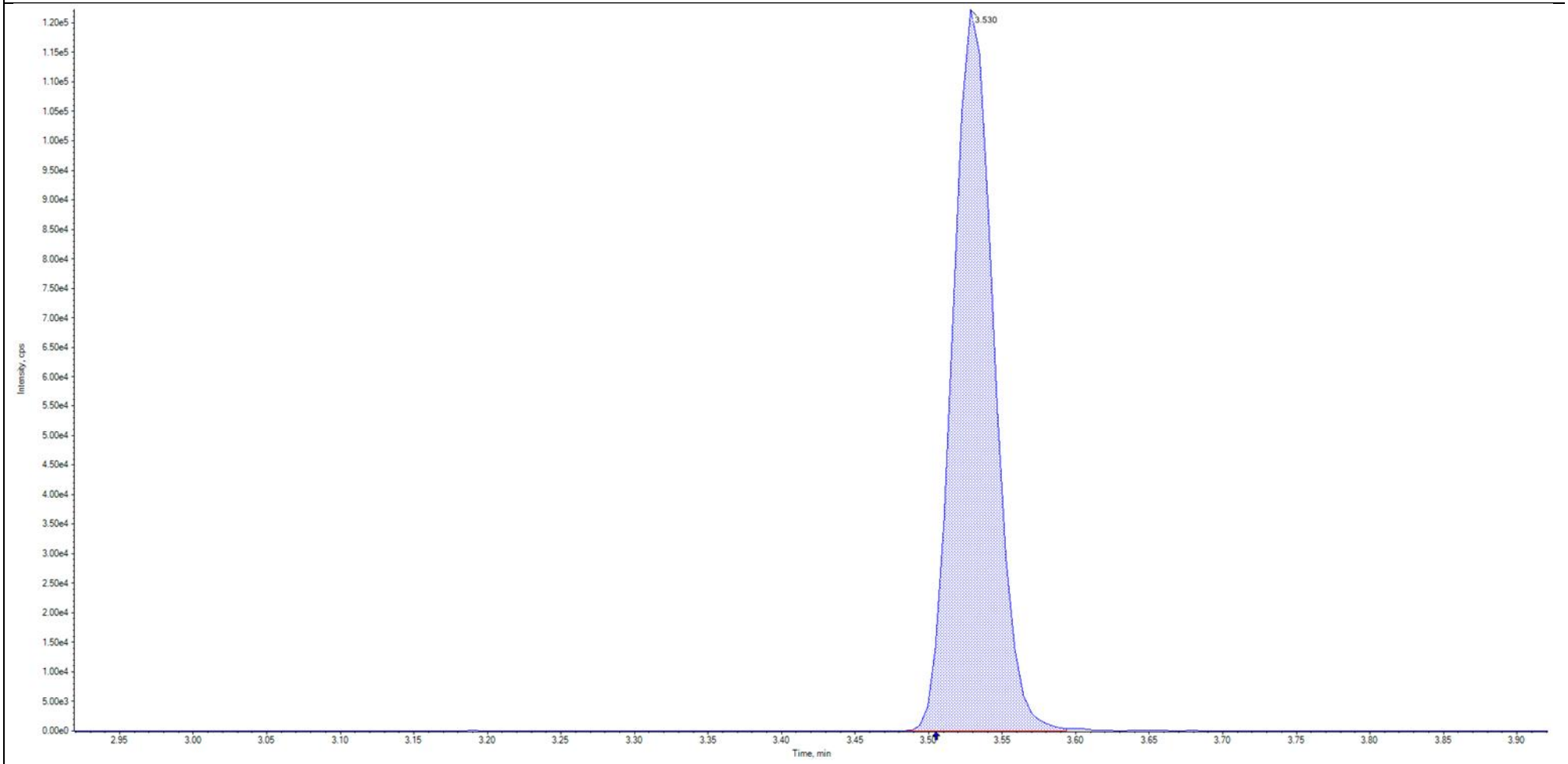
13C2-PFHxA
Sample: IA1633STD-62.5



13C4-PFOA
Sample: IA1633STD-62.5

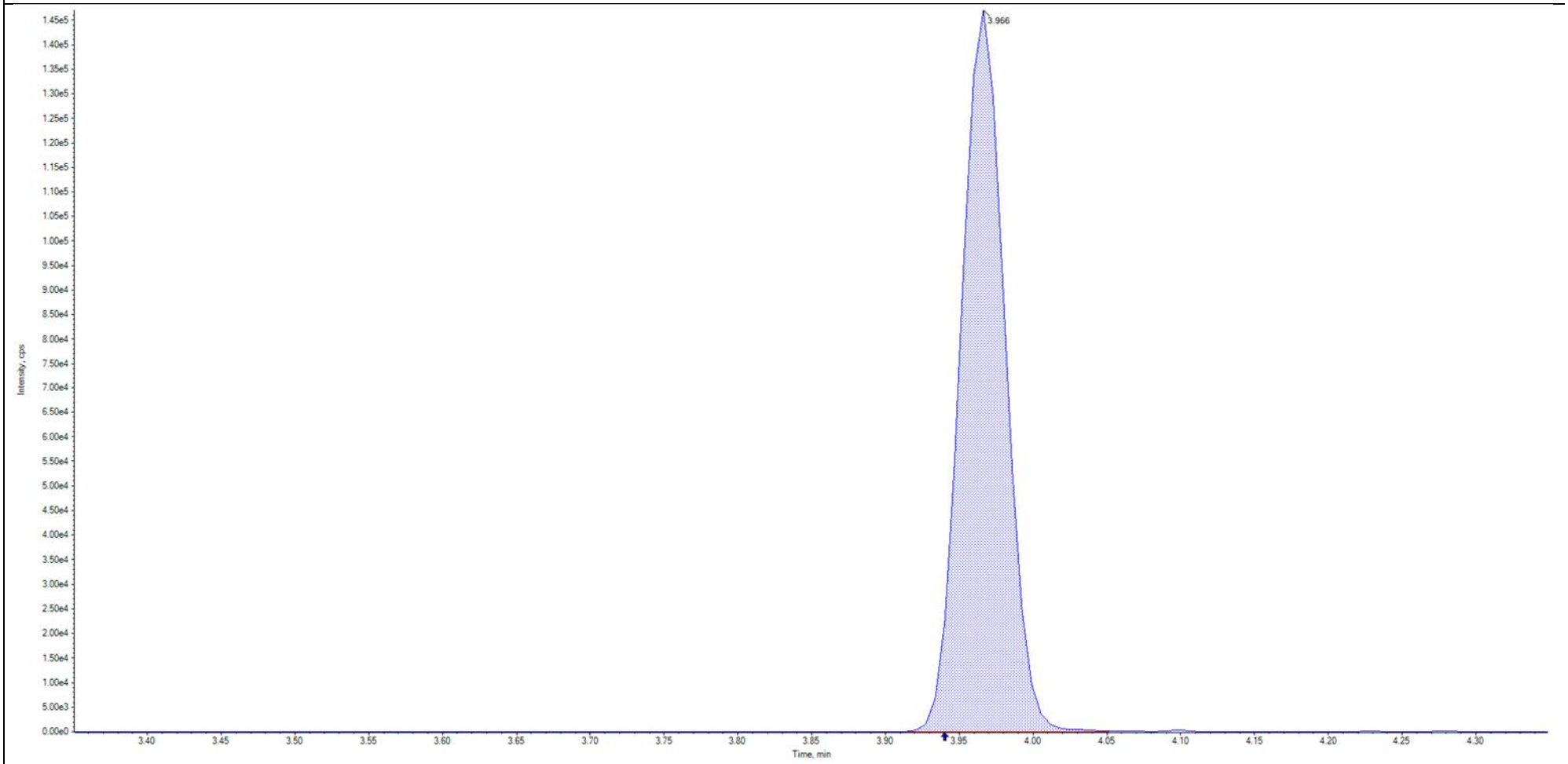


13C5-PFNA
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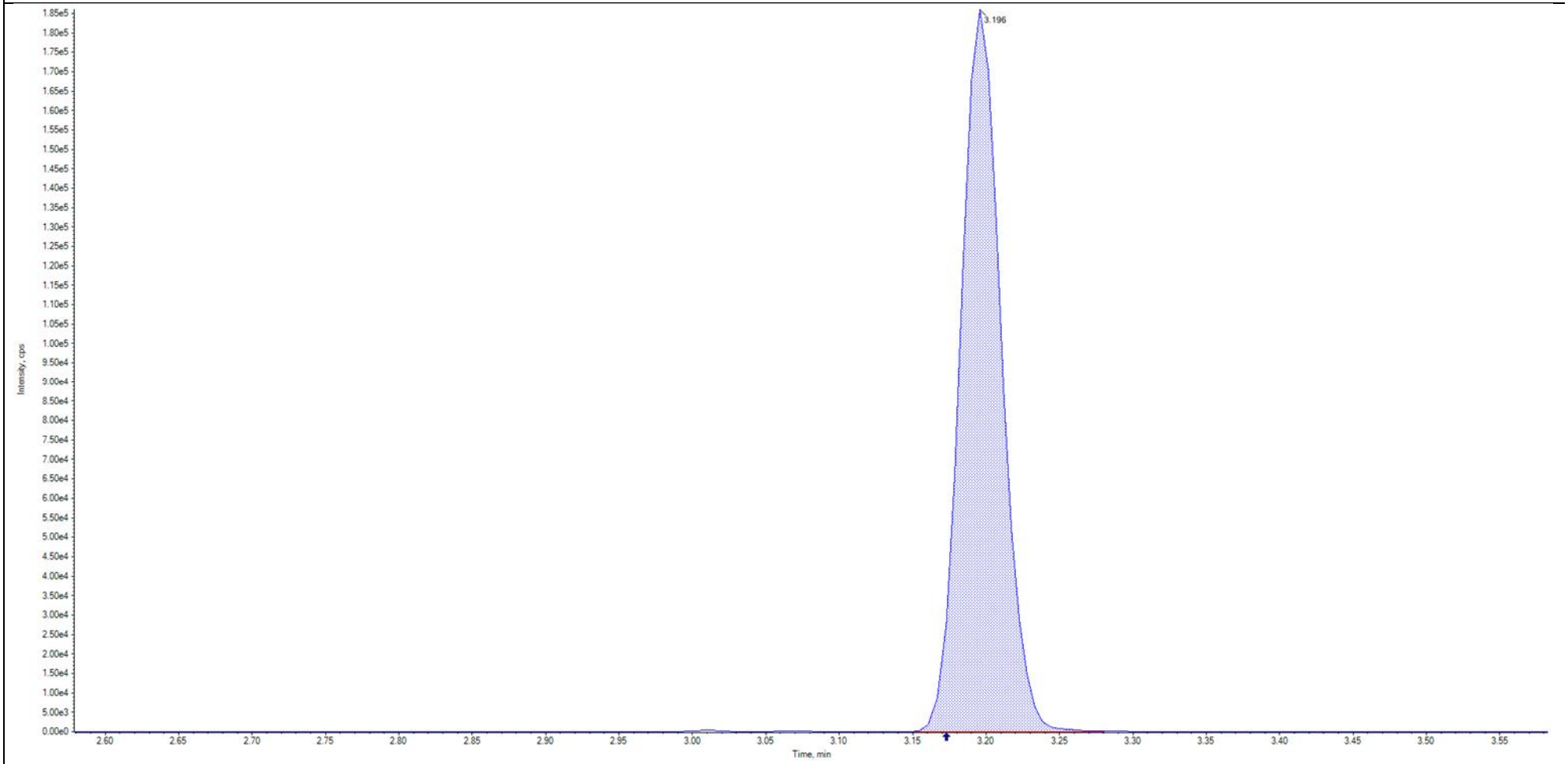


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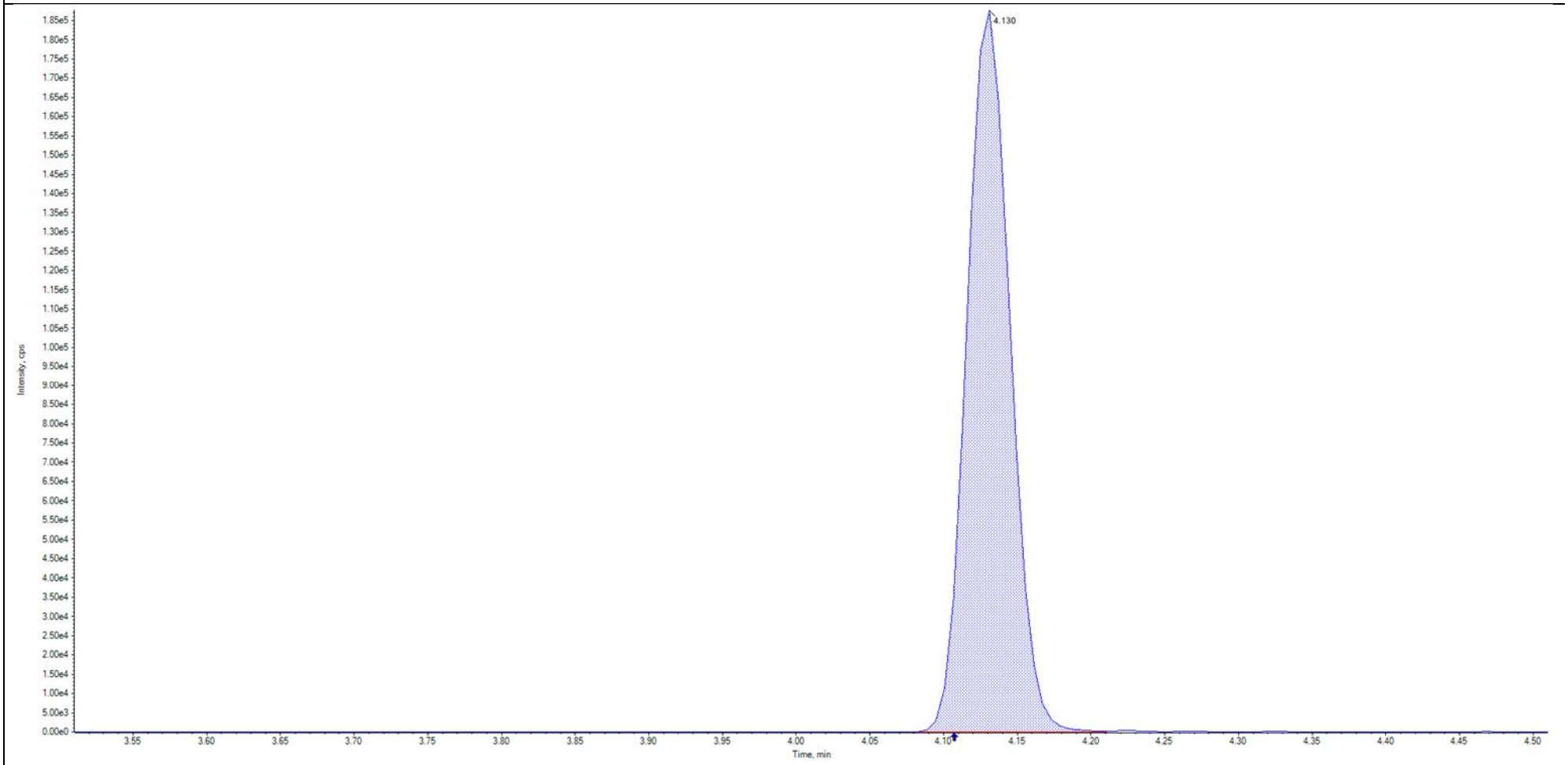
13C2-PFDA
Sample: IA1633STD-62.5



18O2-PFHxS
Sample: IA1633STD-62.5



13C4-PFOS
Sample: IA1633STD-62.5



Alpha Analytical LLC
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Method: EPA1633F.qmethod
Calibration: 241216_EPA1633_ICAL

ID: WG2009822-1
Name: SCI08_241216_19.wiff2
Date & Time: 2024-12-16T16:18:33
Description: WG2009822
Instrument: SCIEX Triple Quad 5500+
User: LCMS08:JW

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
76	TDCA	516-50-7	2.72	499.1 / 124.1	2684972		10.712	5.874	5.845	Pass	N/A
77	TDCA_2	516-50-7	2.72	499.1 / 79.9	15771217		10.732	5.874	5.845	Pass	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.64	217.0 / 172.0	919668		10.261	NA	NA	NA	102.6
	13C5-PFPeA	EIS	1.25	268.0 / 223.0	481499		4.825	NA	NA	NA	96.5

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C5-PFHxA	EIS	2.01	318.0 / 273.0	299502		2.424	NA	NA	NA	96.9
13C4-PFHpA	EIS	2.59	367.0 / 322.0	376704		2.415	NA	NA	NA	96.6
13C8-PFOA	EIS	3.08	420.8 / 376.0	433829		2.185	NA	NA	NA	87.4
13C9-PFNA	EIS	3.53	472.0 / 427.0	213527		1.126	NA	NA	NA	90.1
13C6-PFDA	EIS	3.97	519.0 / 474.0	307460		1.210	NA	NA	NA	96.8
13C7-PFUnA	EIS	4.39	570.0 / 525.0	286936		1.063	NA	NA	NA	85.0
13C2-PFDoA	EIS	4.80	615.1 / 570.0	265018		1.193	NA	NA	NA	95.5

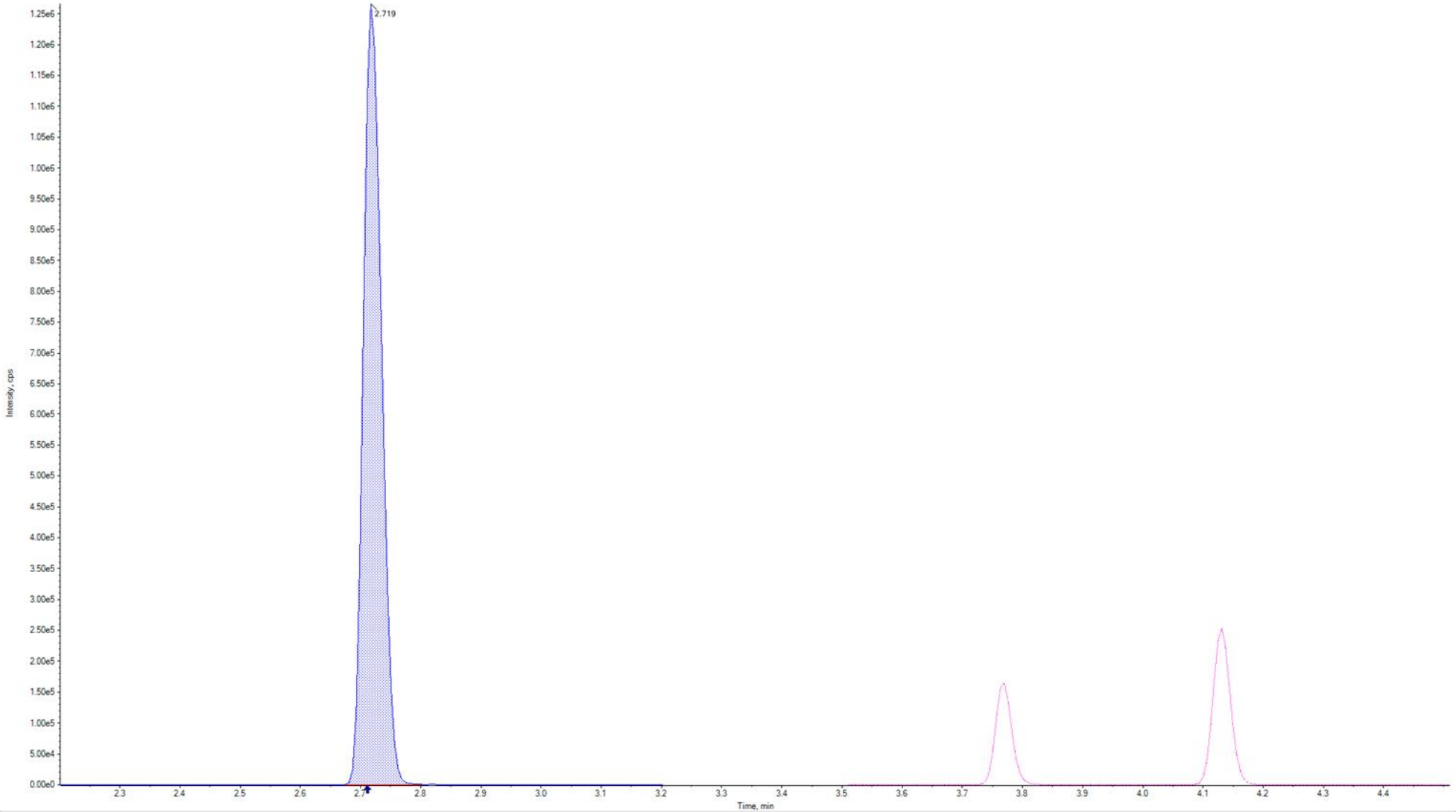
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	13C2-PFTeDA	EIS	5.60	715.1 / 670.1	294246		1.128	NA	NA	NA	90.2
	13C3-PFBS	EIS	2.02	302.1 / 80.1	441885		2.150	NA	NA	NA	92.3
	13C3-PFHxS	EIS	3.20	402.1 / 80.1	410550		2.355	NA	NA	NA	99.4
	13C8-PFOS	EIS	4.13	507.1 / 80.1	508877		2.430	NA	NA	NA	101.2
	13C2-4:2FTS	EIS	1.79	329.1 / 81.1	102944		5.311	NA	NA	NA	113.2
	13C2-6:2FTS	EIS	2.88	429.2 / 81.1	104979		5.682	NA	NA	NA	119.4
	13C2-8:2FTS	EIS	3.77	529.2 / 81.1	153915		5.909	NA	NA	NA	123.1
	13C8-PFOSA	EIS	5.21	506.1 / 78.1	767160		2.550	NA	NA	NA	102.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	d3-NMeFOSA	EIS	5.94	515.2 / 219.0	133255		2.826	NA	NA	NA	113.1
	d5-NEtFOSA	EIS	6.23	531.2 / 219.0	129285		2.770	NA	NA	NA	110.8
	d3-NMeFOSAA	EIS	4.06	573.2 / 419.1	233841		6.205	NA	NA	NA	124.1
	d5-NEtFOSAA	EIS	4.28	589.3 / 419.1	183360		5.804	NA	NA	NA	116.1
	d7-NMeFOSE	EIS	5.79	623.2 / 58.9	952729		28.156	NA	NA	NA	112.6
	d9-NEtFOSE	EIS	6.09	639.2 / 58.9	1154109		27.574	NA	NA	NA	110.3
	13C3-HFPO-DA	EIS	2.23	287.0 / 169.0	1051527		9.273	NA	NA	NA	92.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-PFBA	NIS	0.64	216.0 / 172.0	393437		3.987	NA	NA	NA	79.7
	13C2-PFHxA	NIS	2.01	315.0 / 270.0	330411		2.415	NA	NA	NA	96.6
	13C4-PFOA	NIS	3.08	417.0 / 372.0	385102		2.638	NA	NA	NA	105.5
	13C5-PFNA	NIS	3.53	468.0 / 423.0	238656		1.286	NA	NA	NA	102.9
	13C2-PFDA	NIS	3.97	515.1 / 470.1	305087		1.340	NA	NA	NA	107.2
	18O2-PFHxS	NIS	3.20	403.1 / 84.1	358900		2.347	NA	NA	NA	99.0
	13C4-PFOS	NIS	4.13	503.1 / 80.1	384878		2.263	NA	NA	NA	94.3

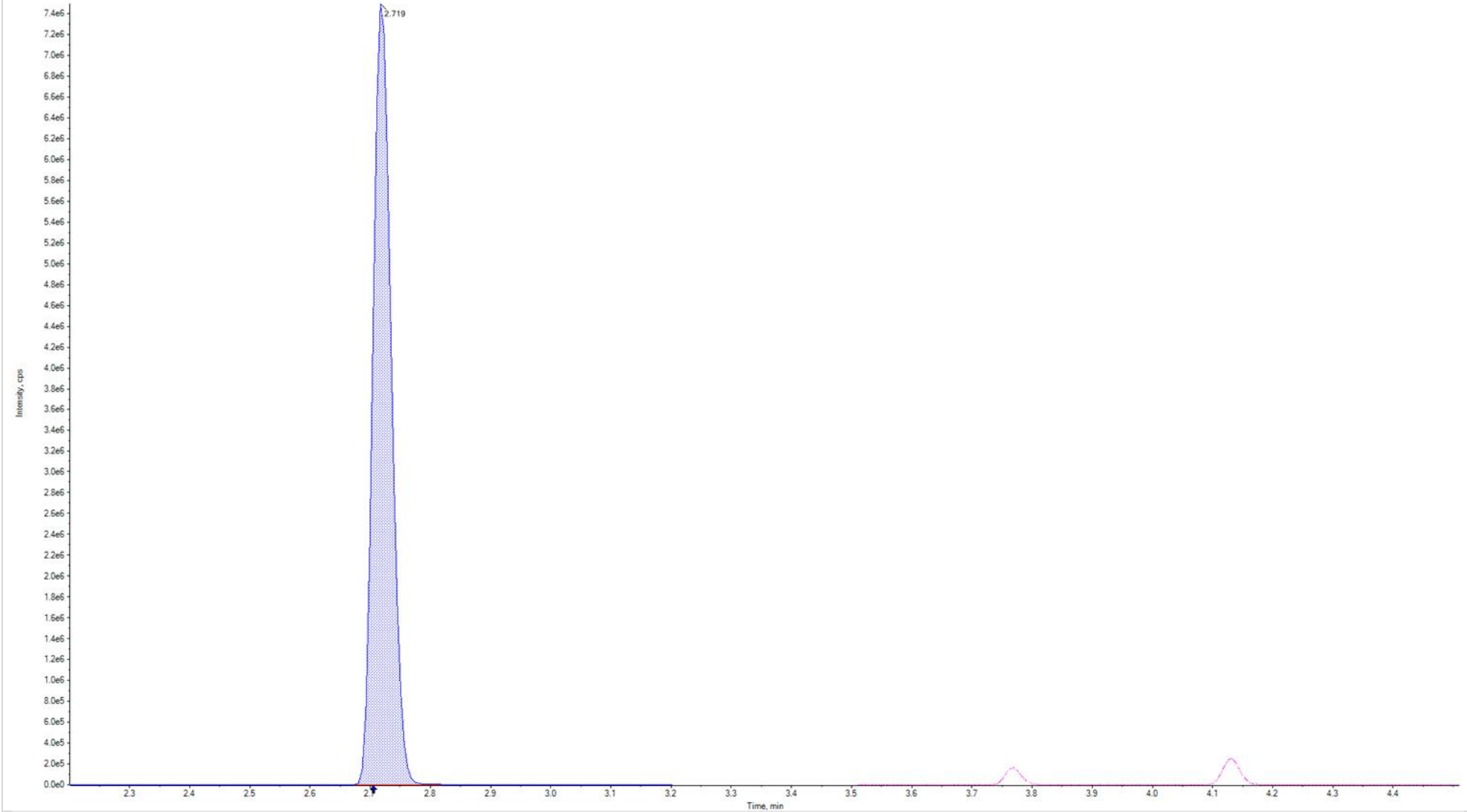
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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TDCA
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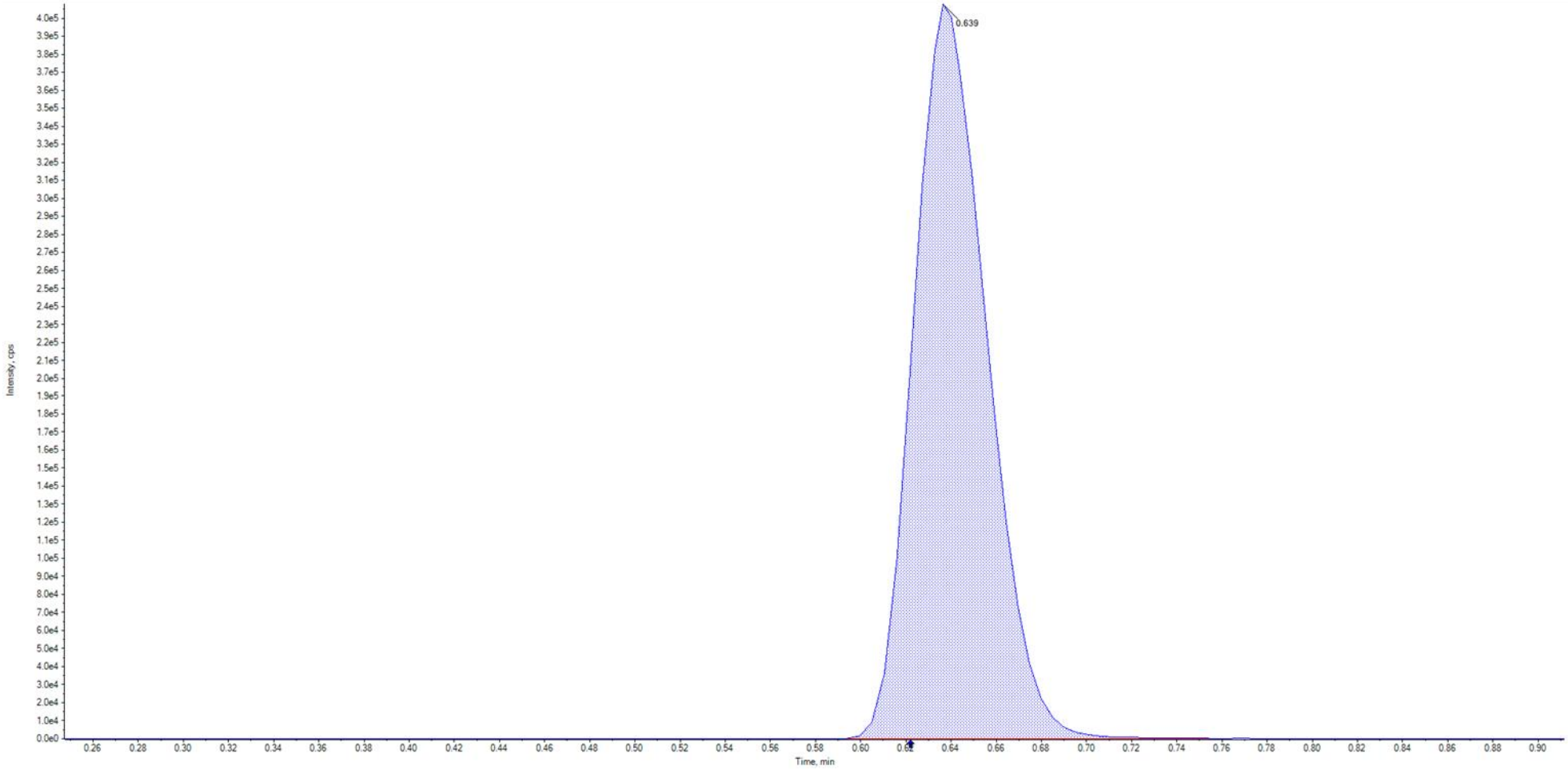


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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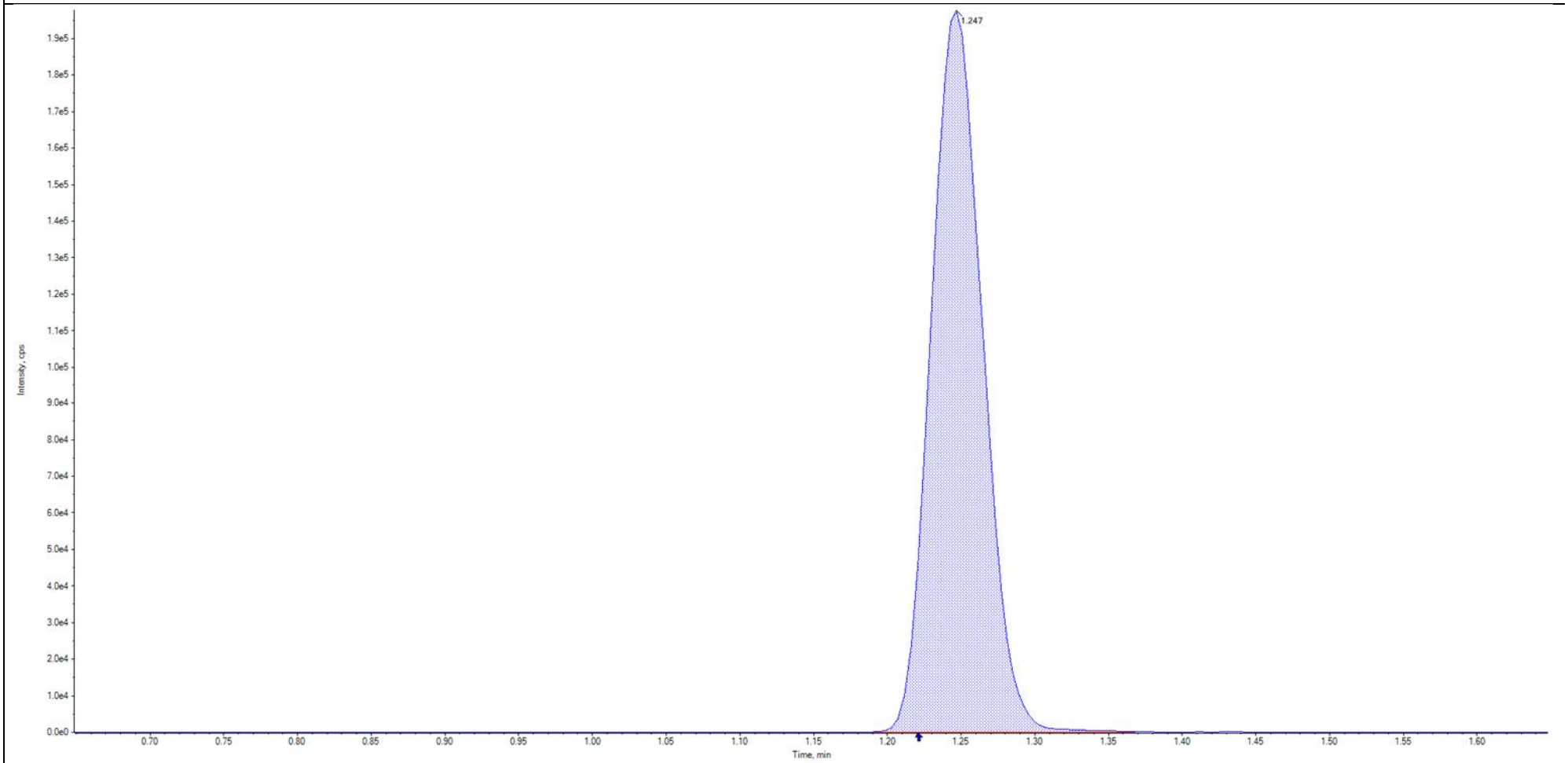
TDCA_2
Sample: WG2009822-1 S/N:71173.4 Points Across peak:38



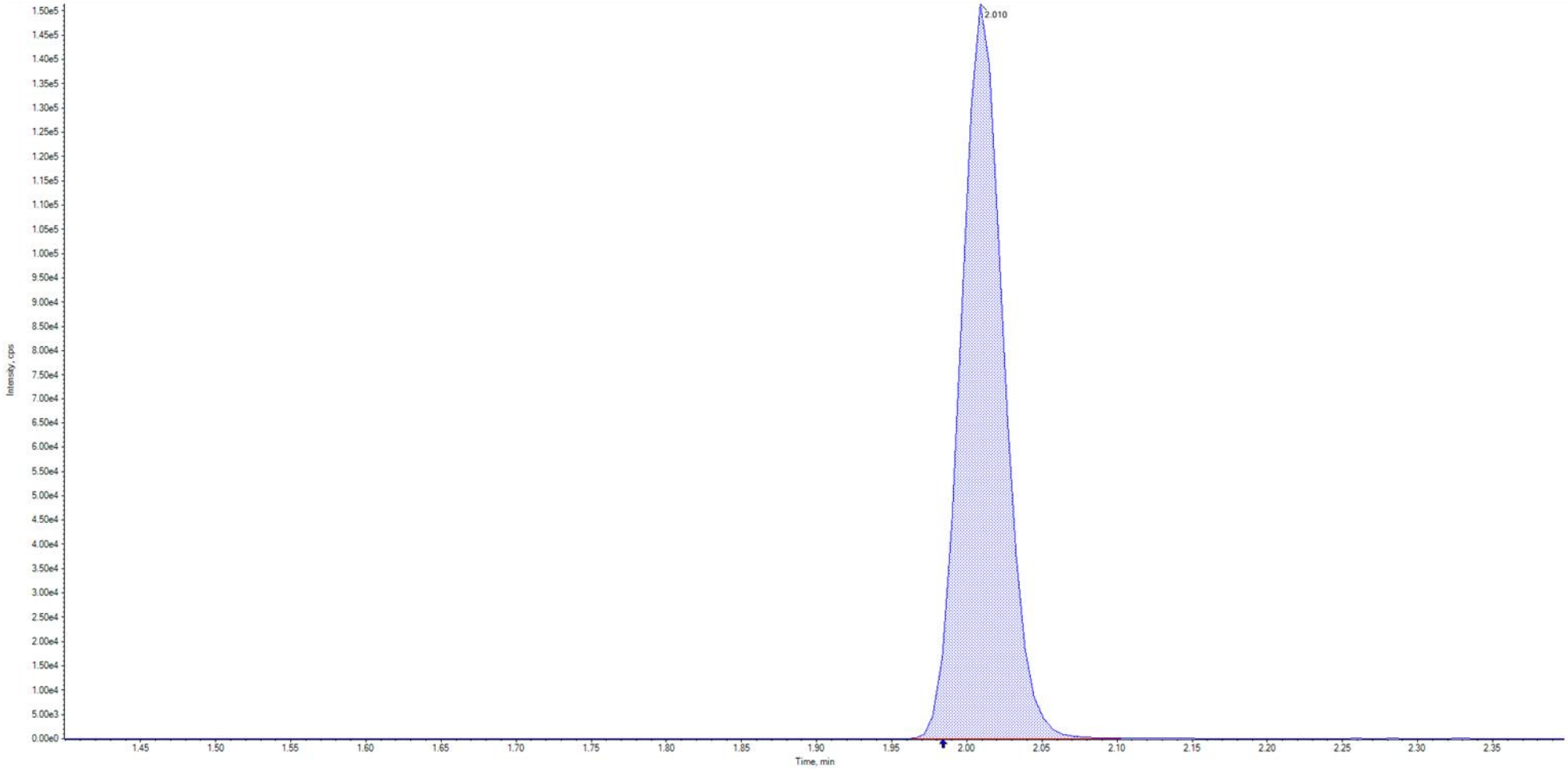
13C4-PFBA
Sample: WG2009822-1



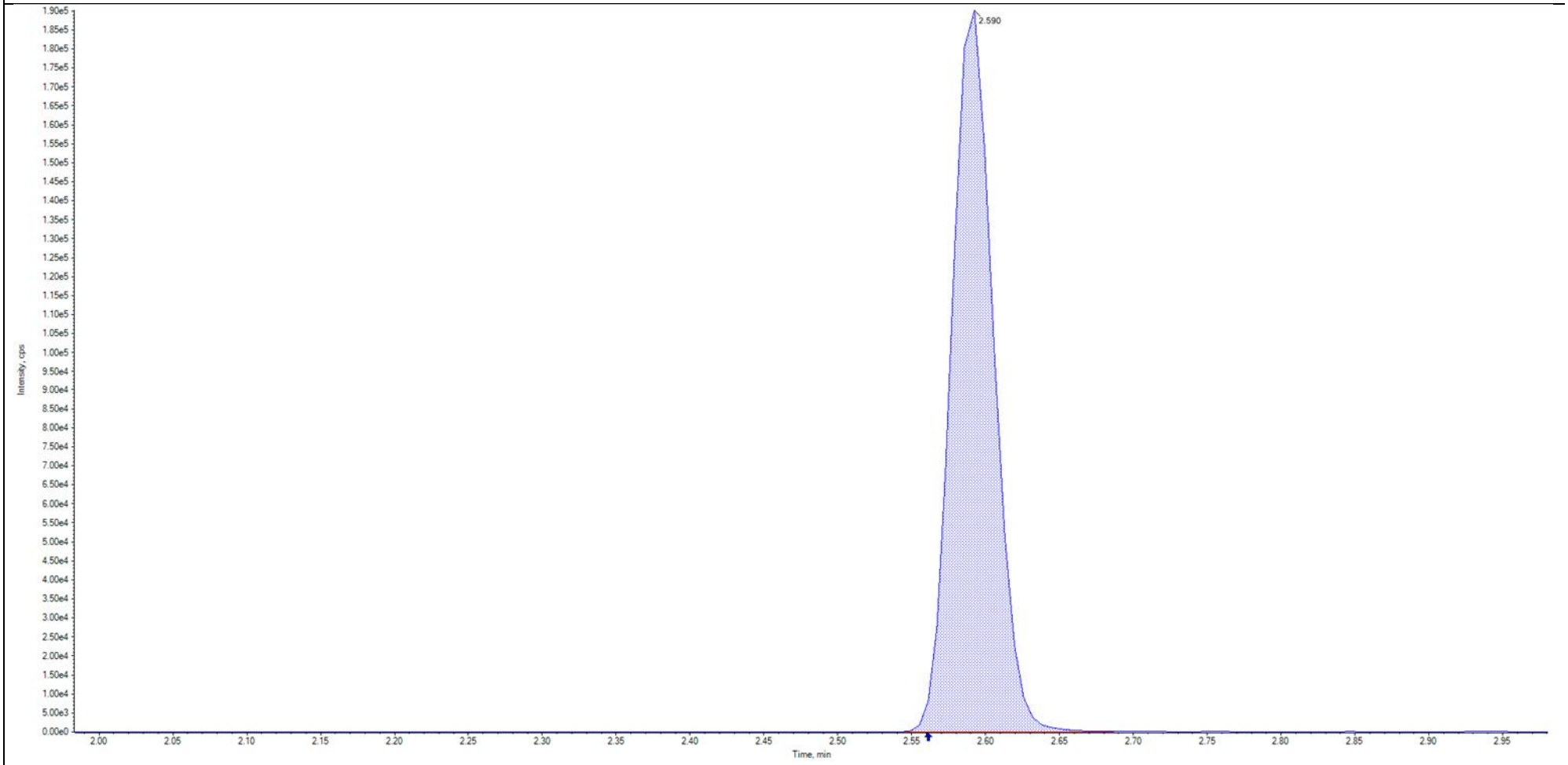
13C5-PFPeA
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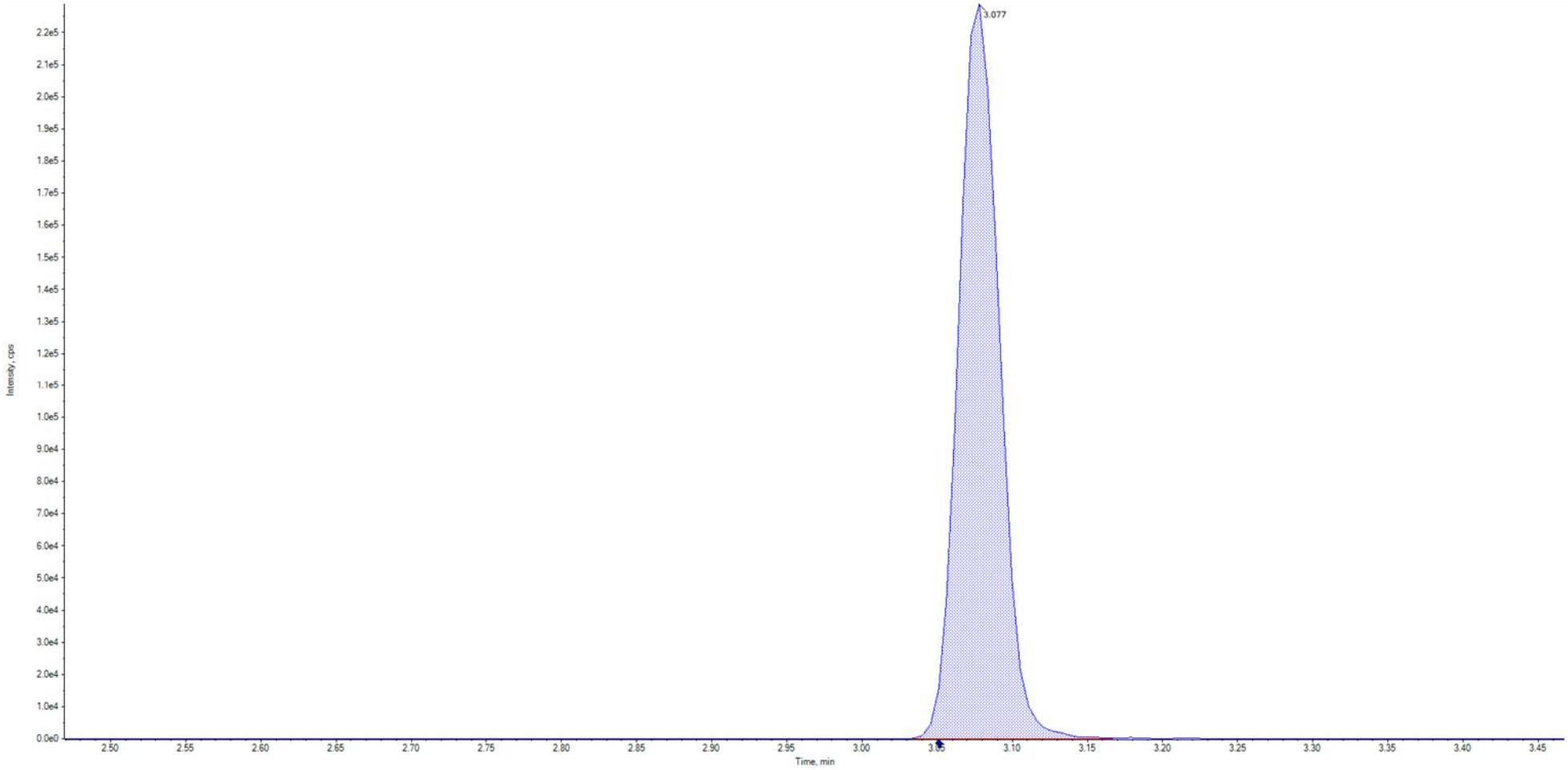
13C5-PFHxA
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13C4-PFHpA
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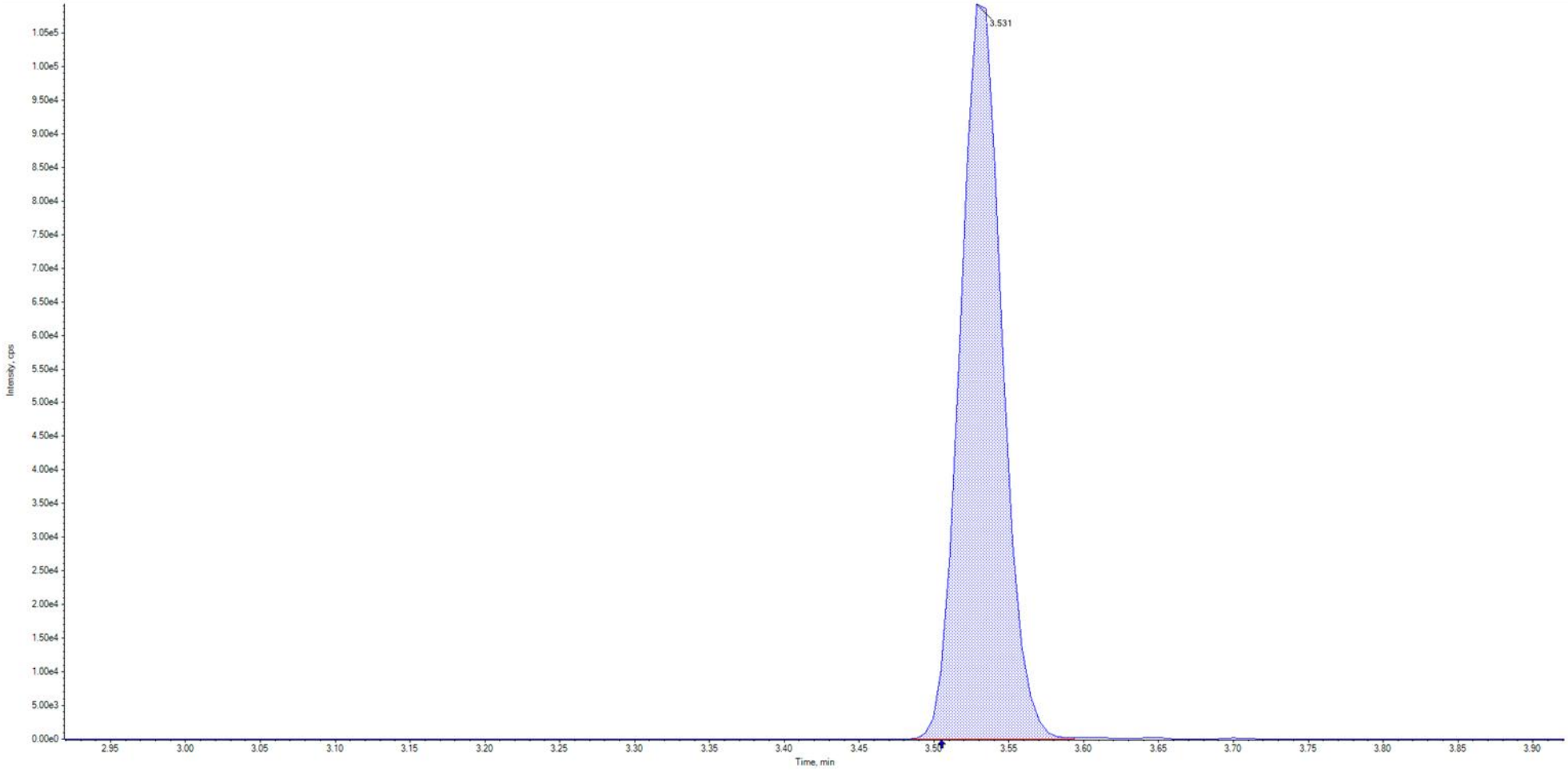


13C8-PFOA
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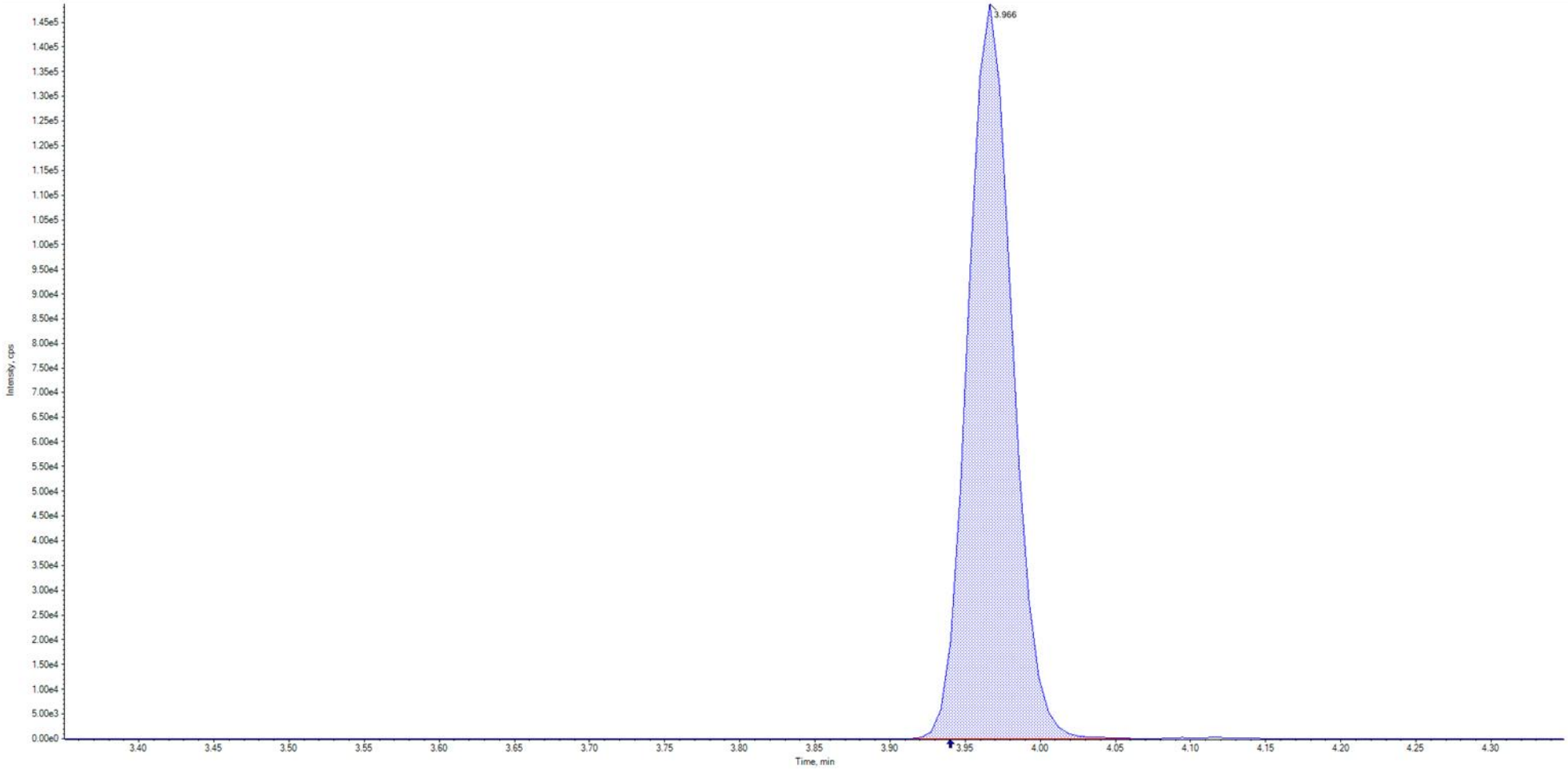


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Alpha Analytical LLC
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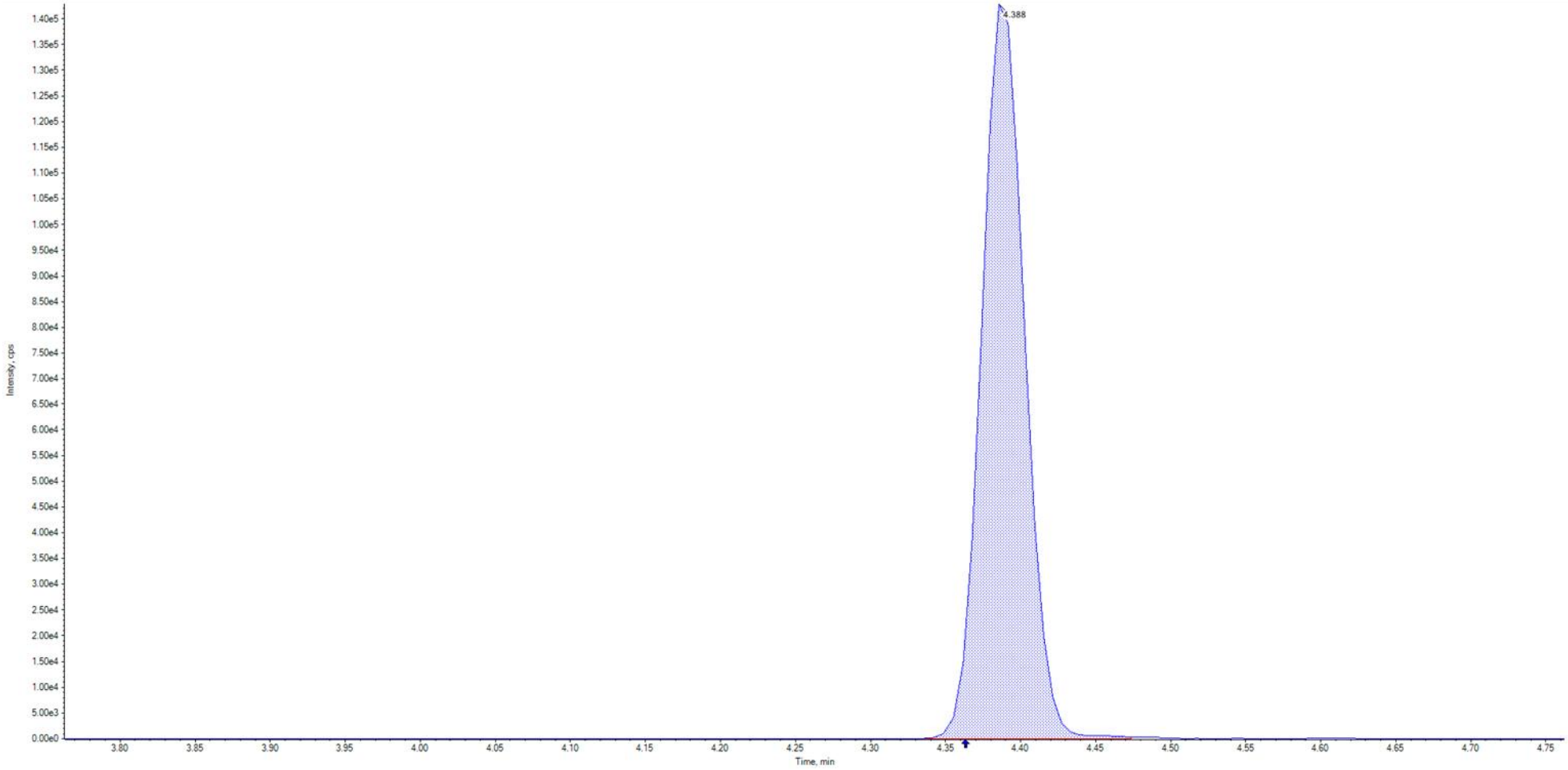
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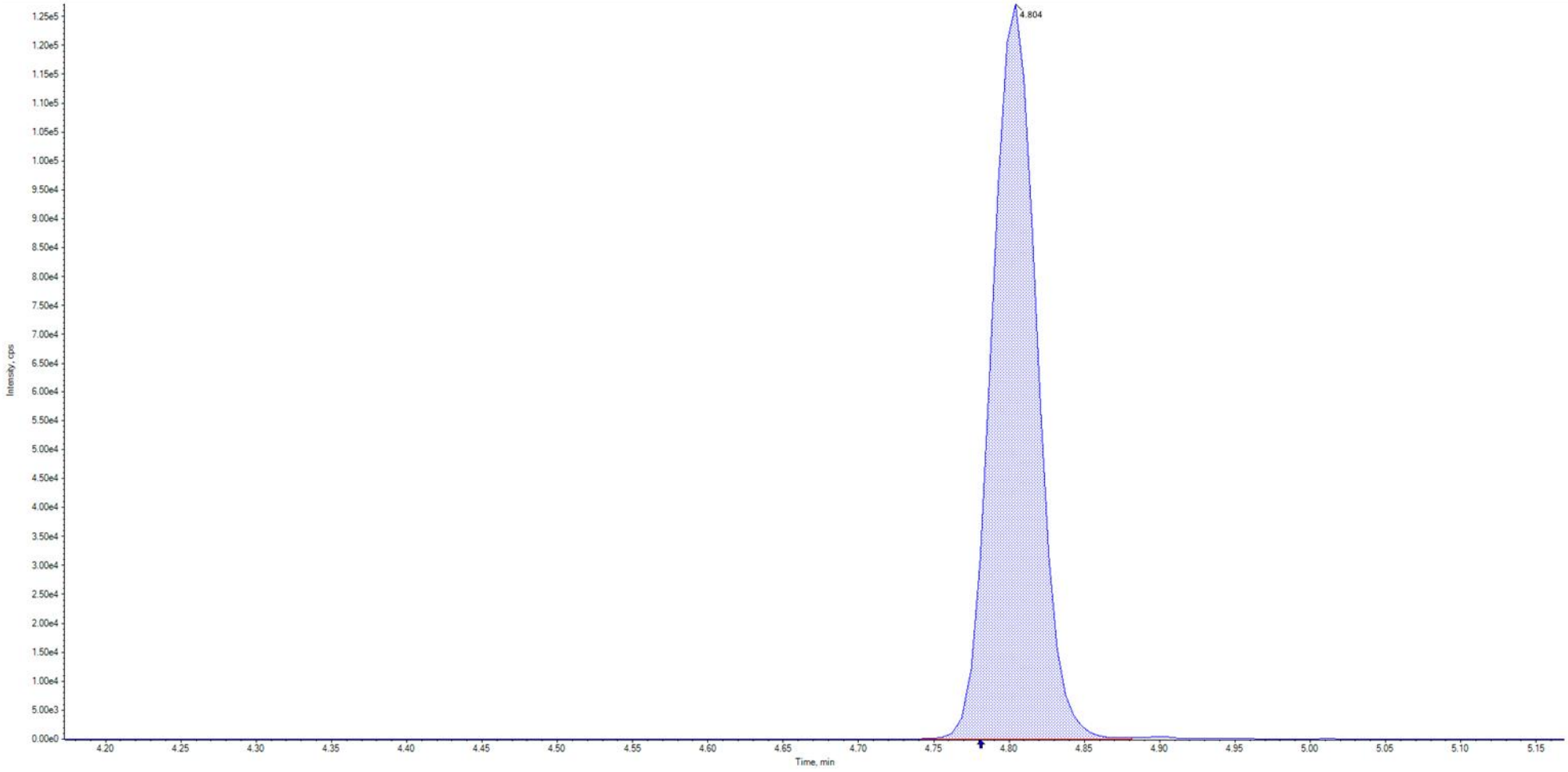
13C6-PFDA
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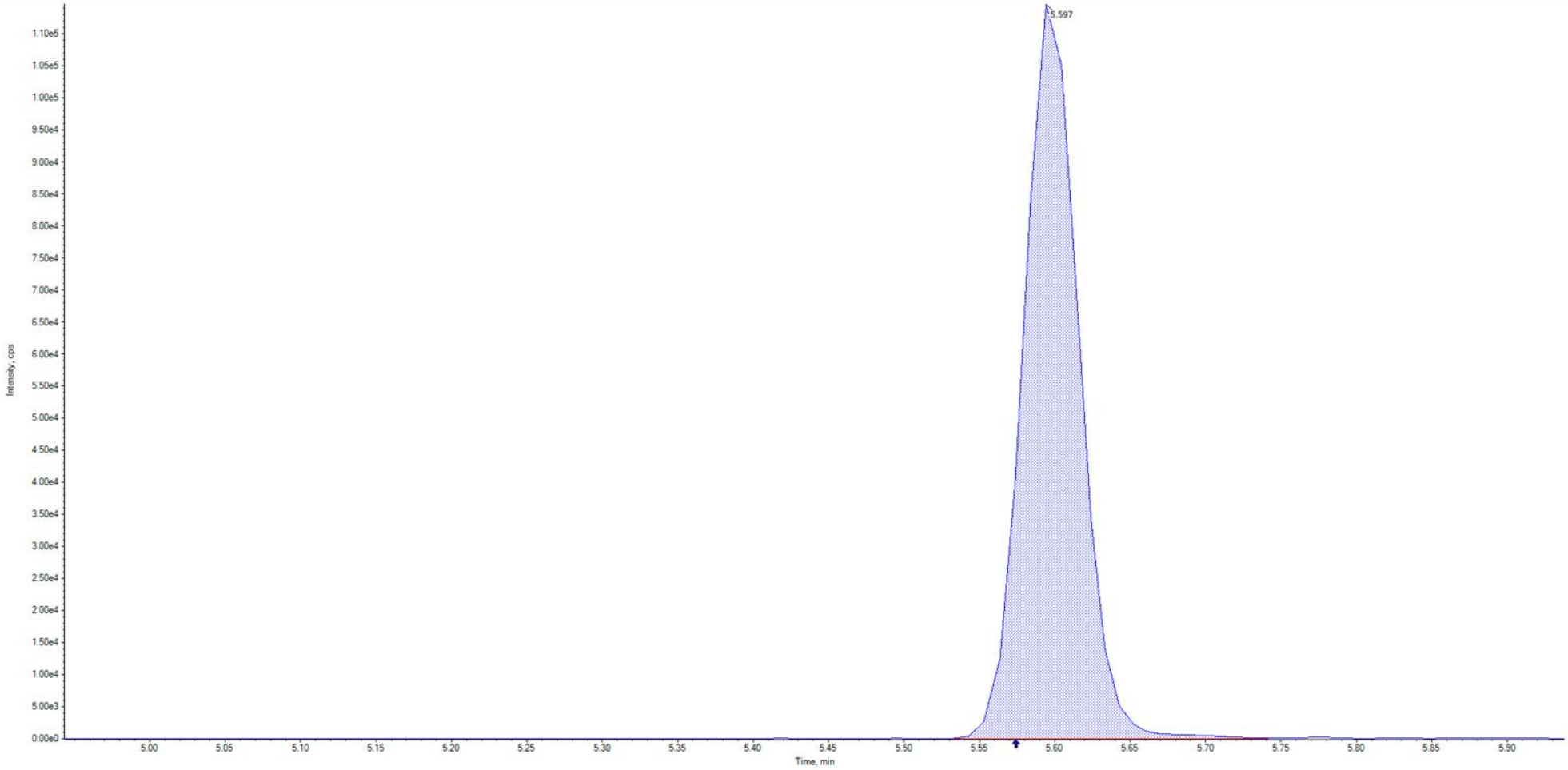
13C7-PFUnA
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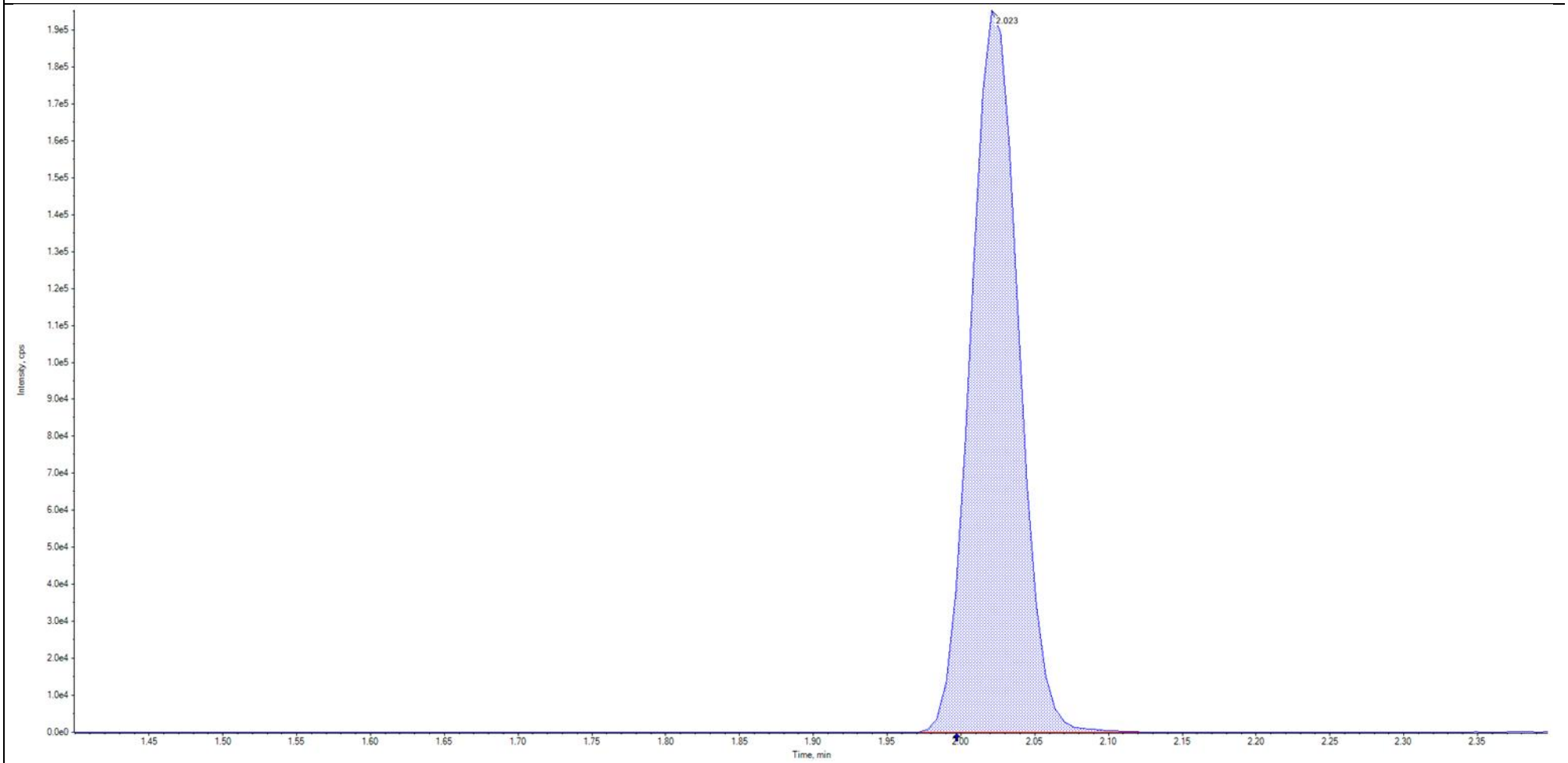
13C2-PFDoA
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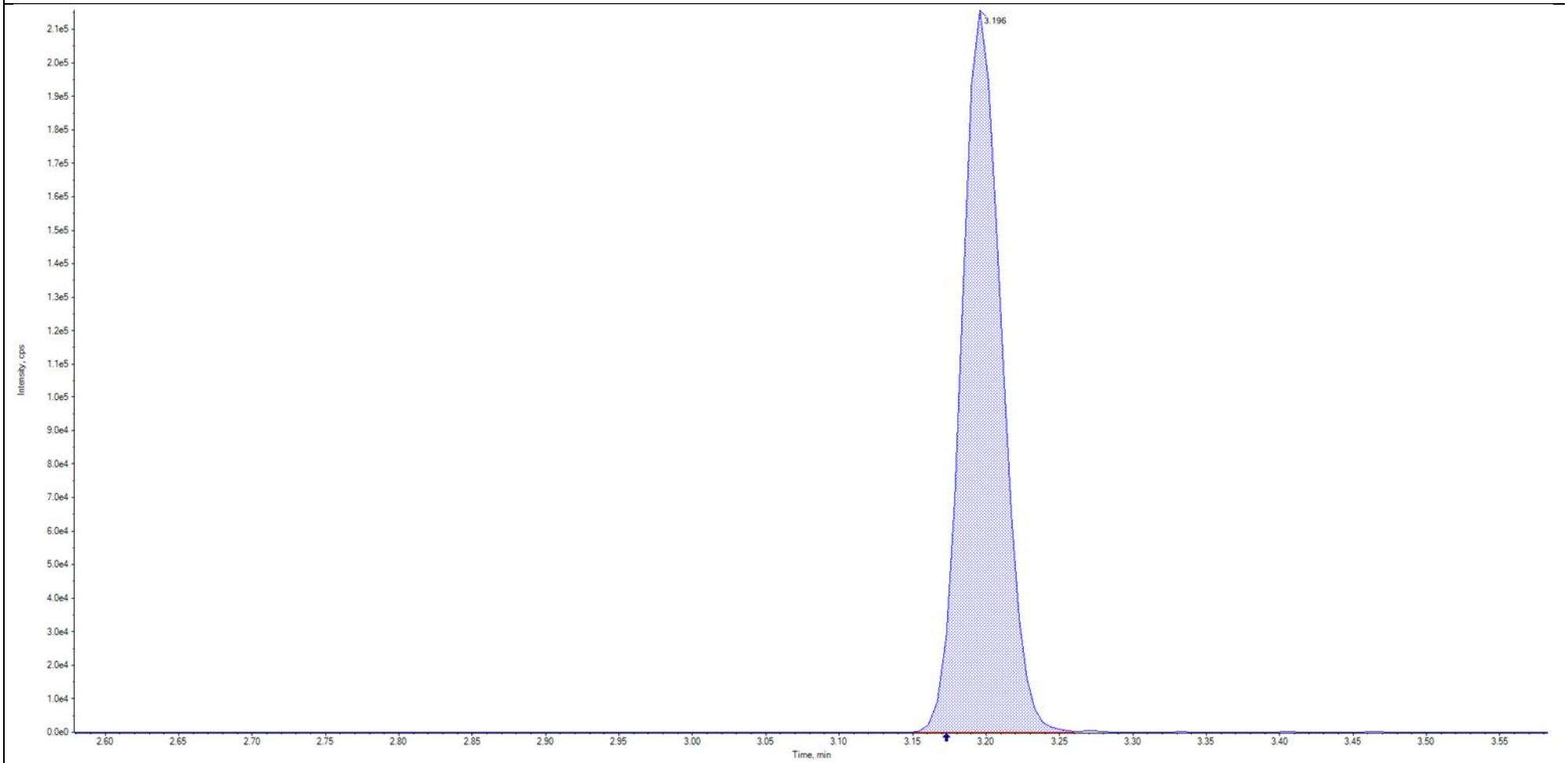
13C2-PFTeDA
Sample: WG2009822-1



13C3-PFBS
Sample: WG2009822-1

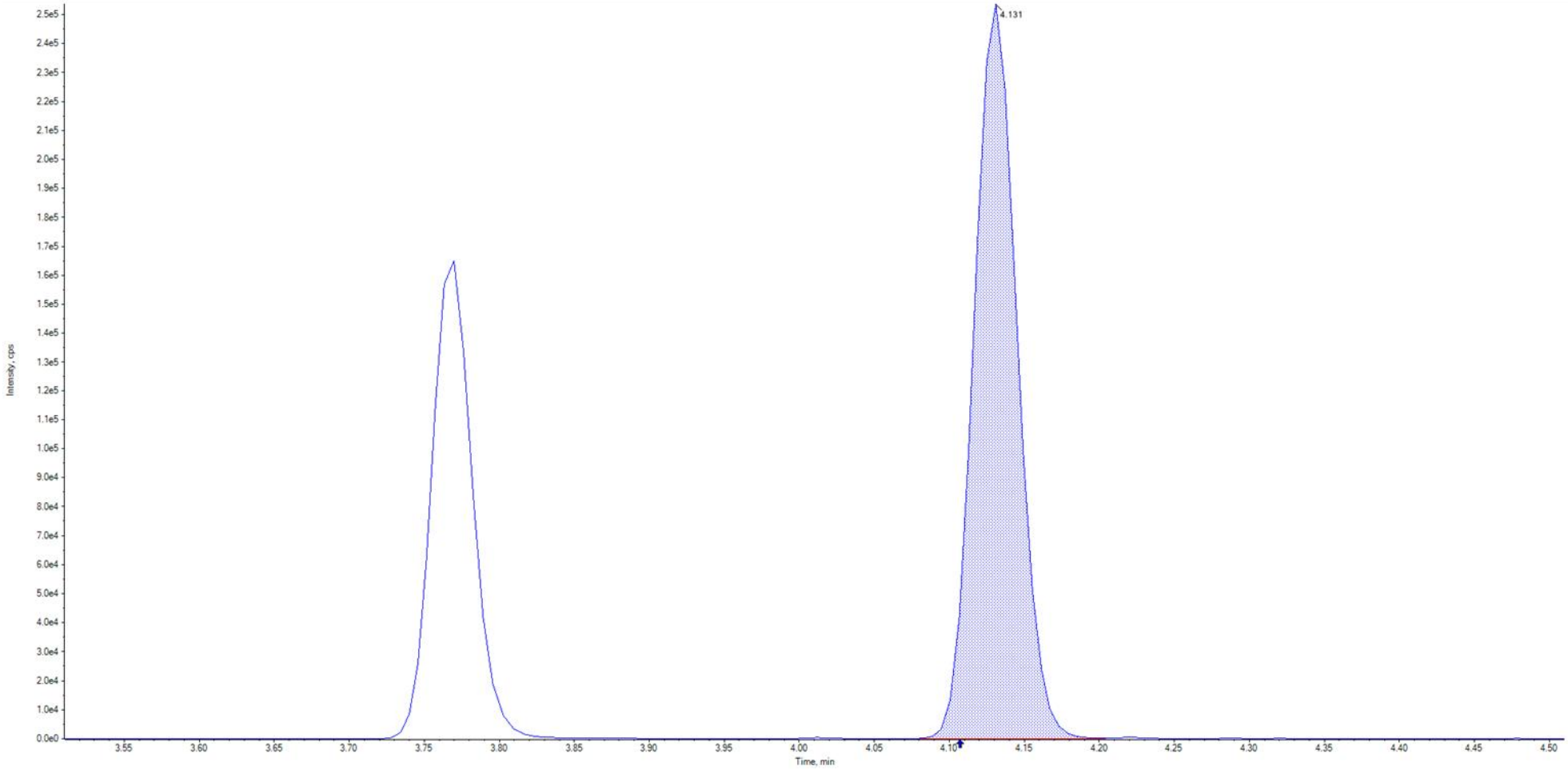


13C3-PFHxS
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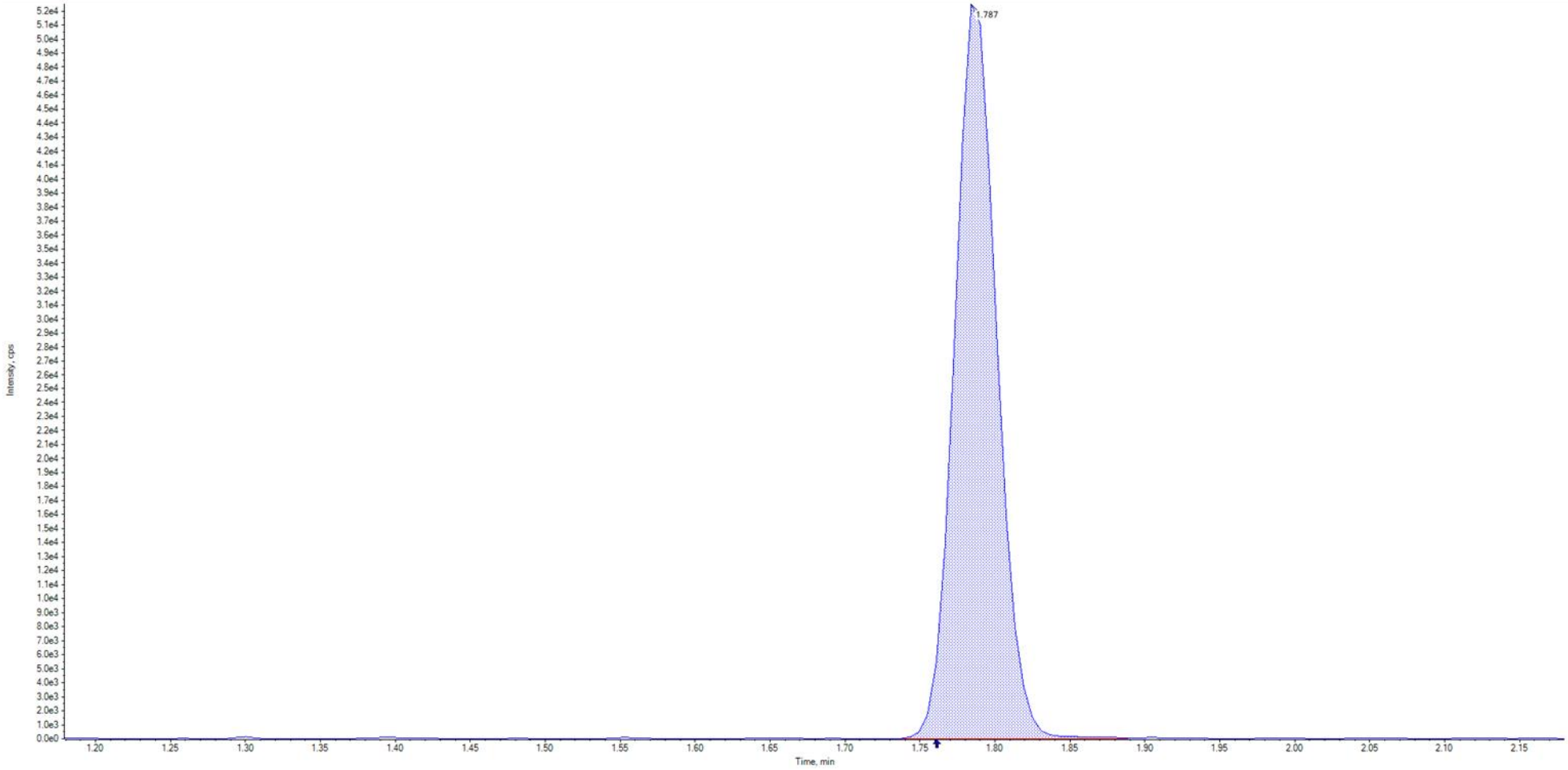


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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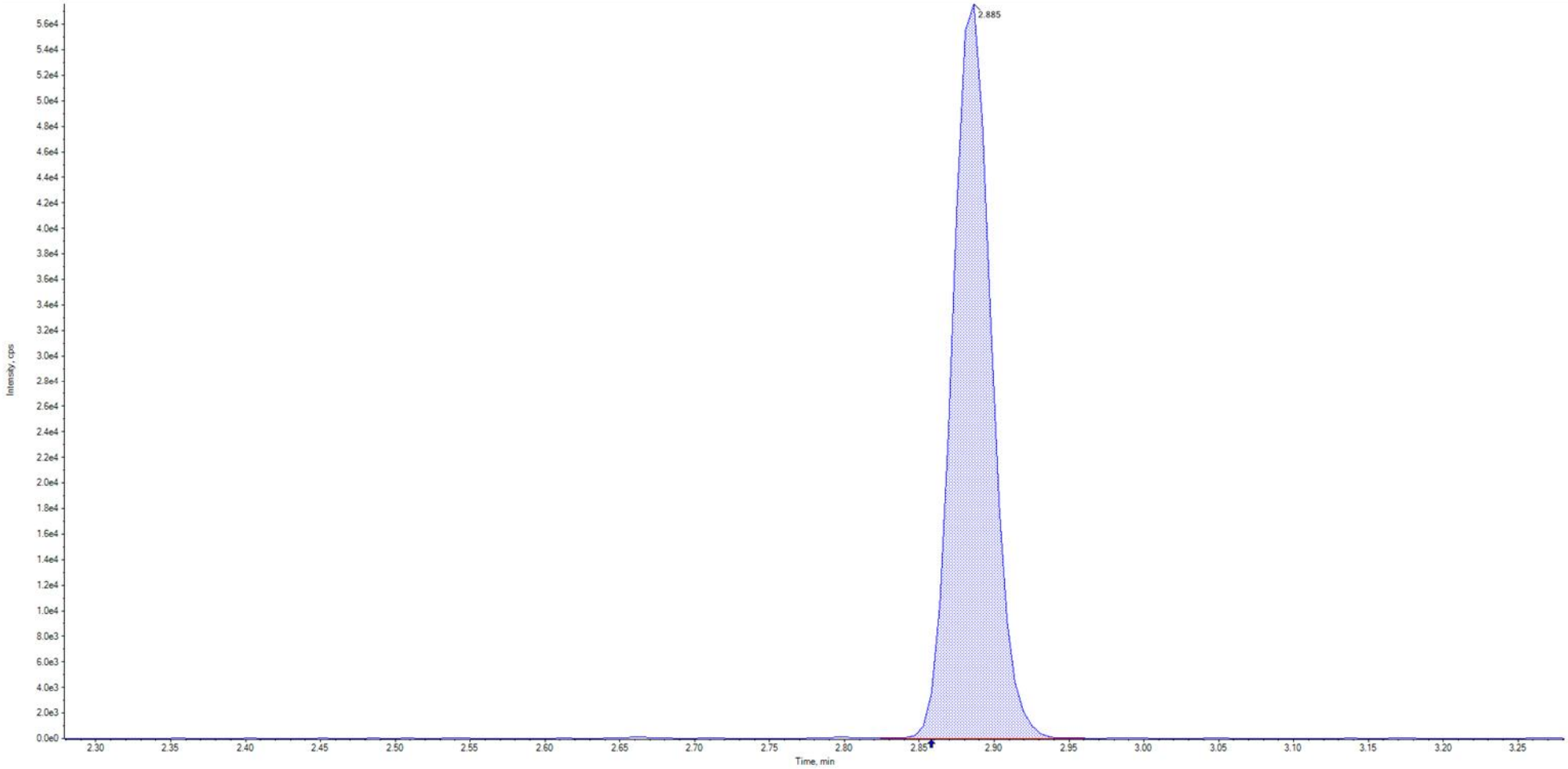
13C8-PFOS
Sample: WG2009822-1



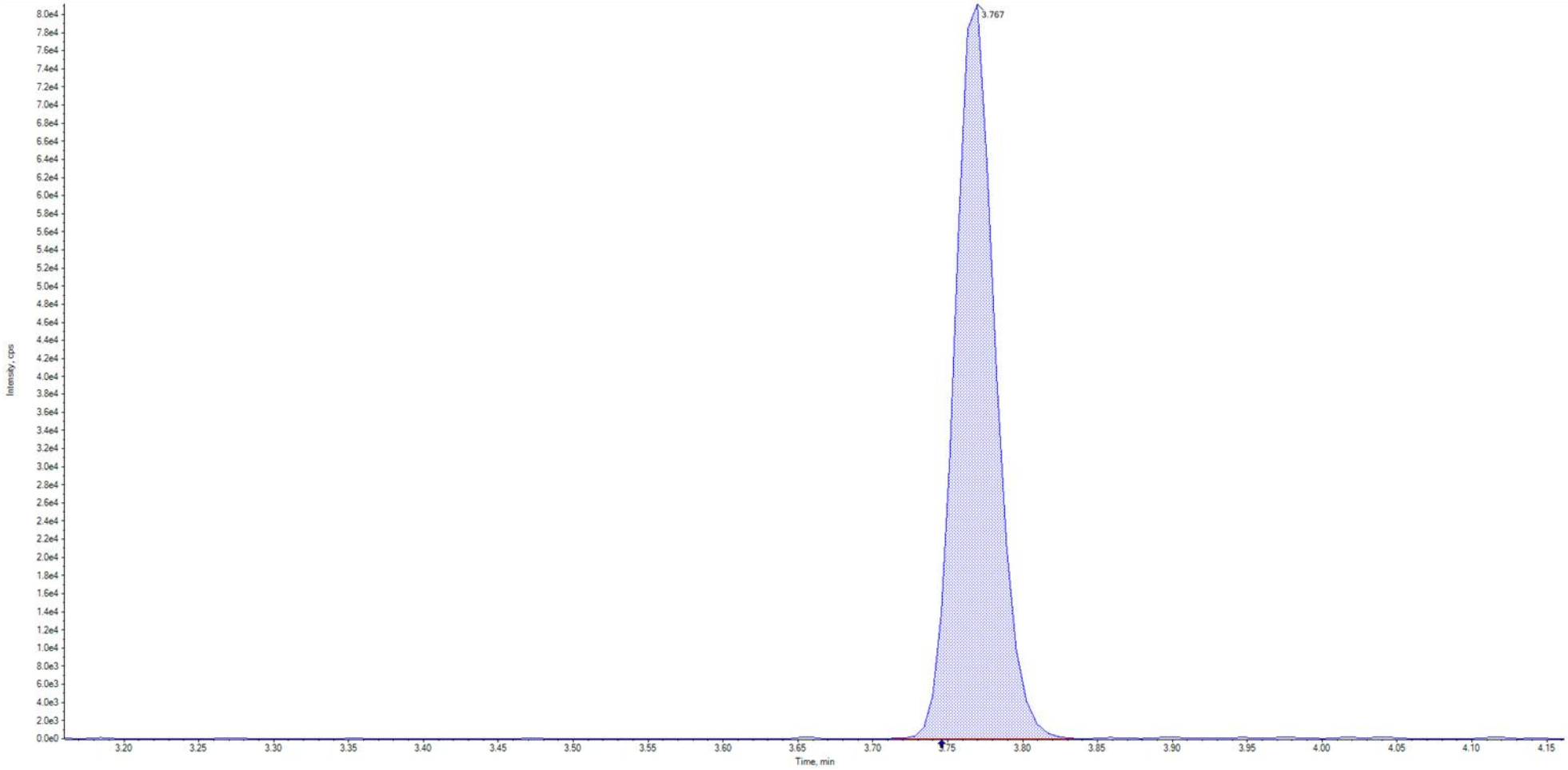
13C2-4:2FTS
Sample: WG2009822-1



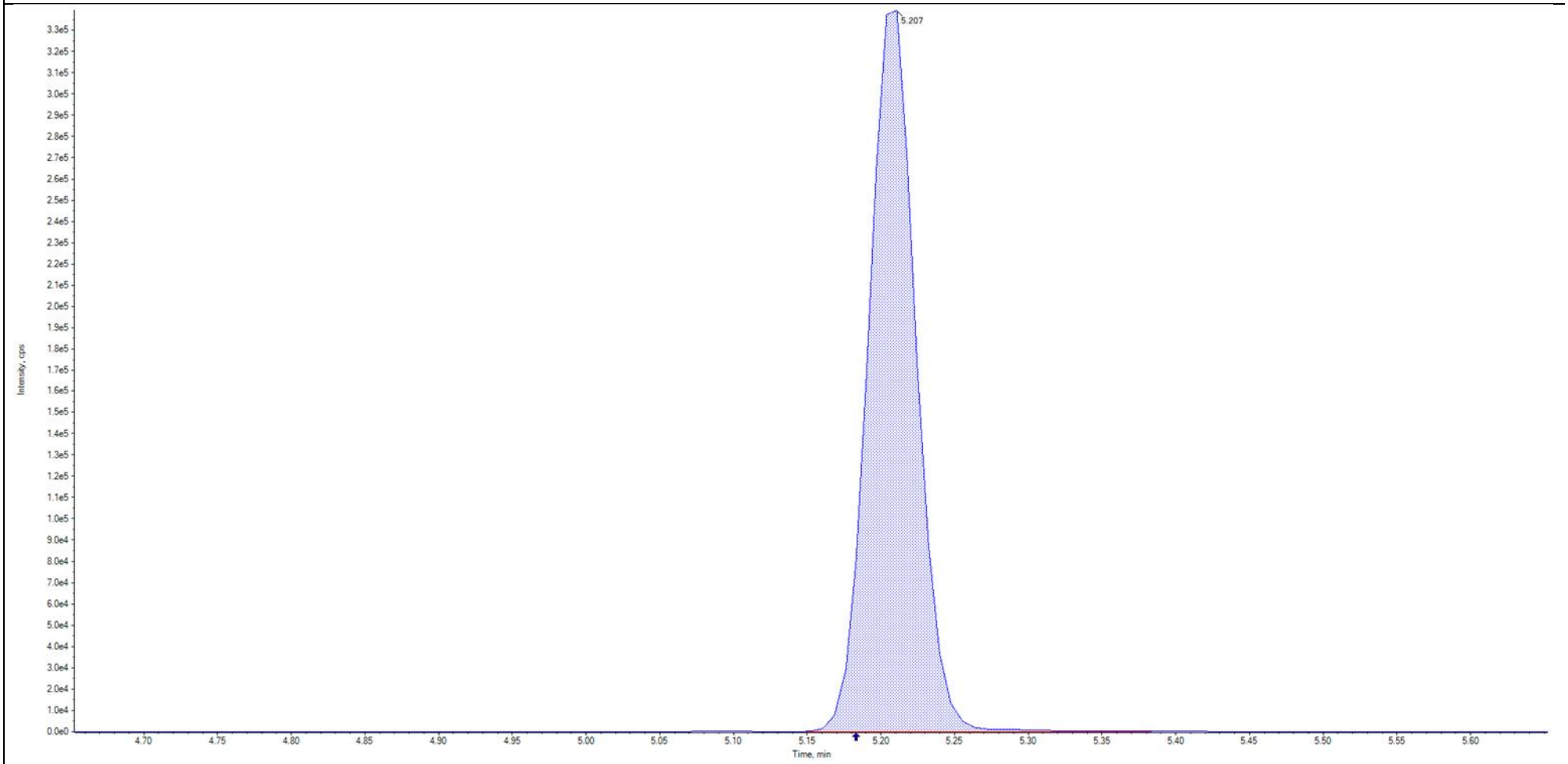
13C2-6:2FTS
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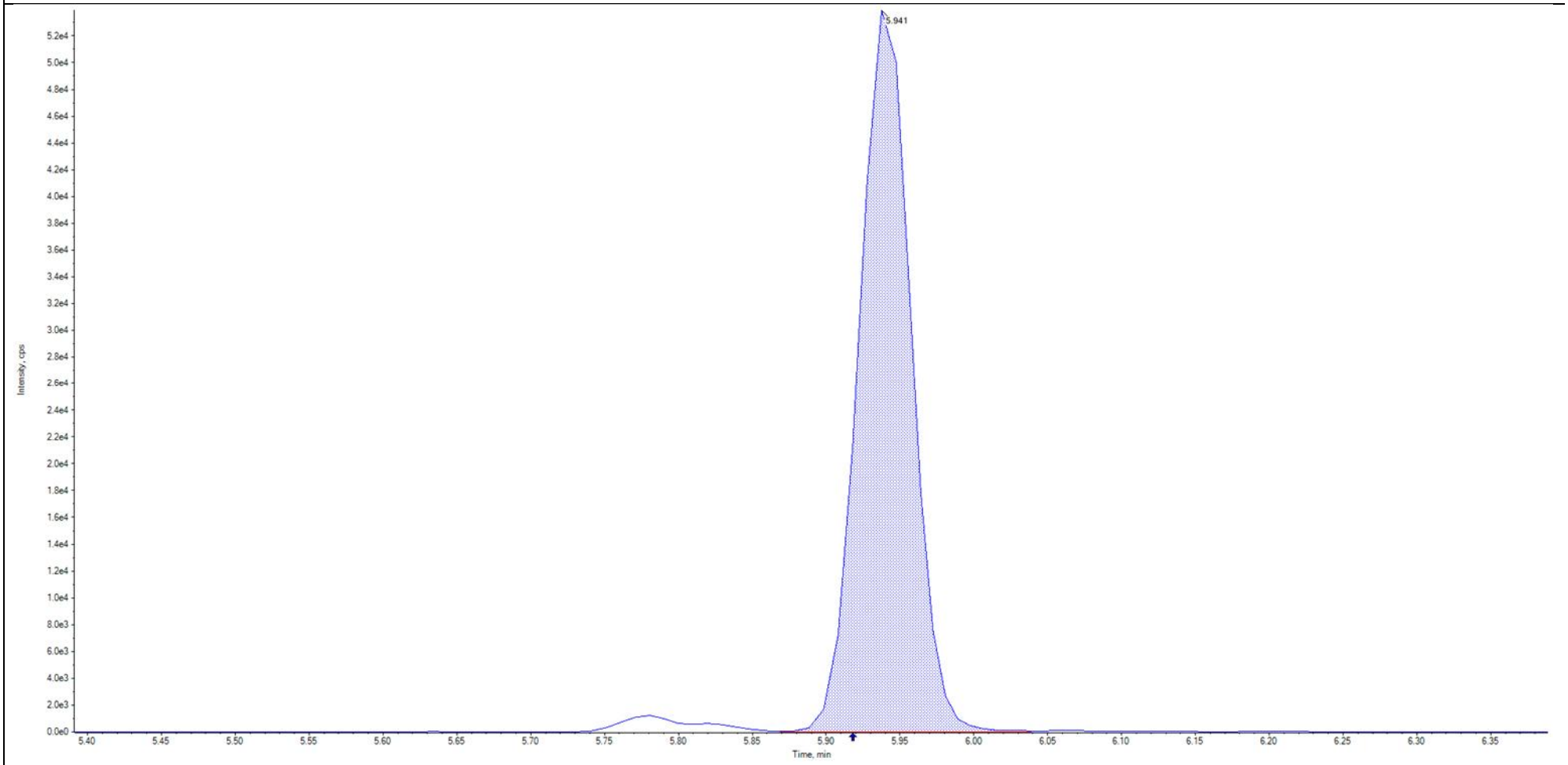
13C2-8:2FTS
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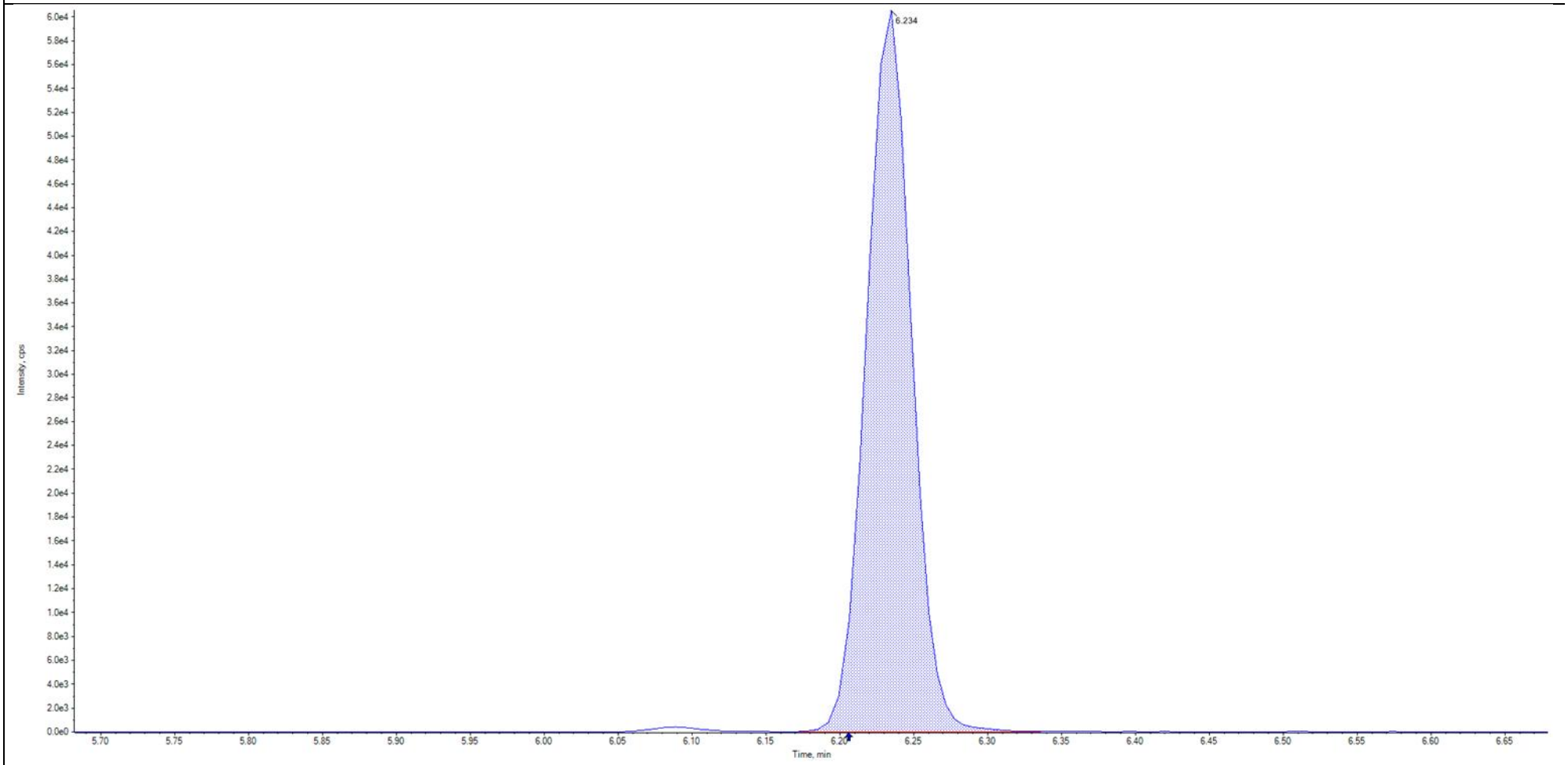
13C8-PFOSA
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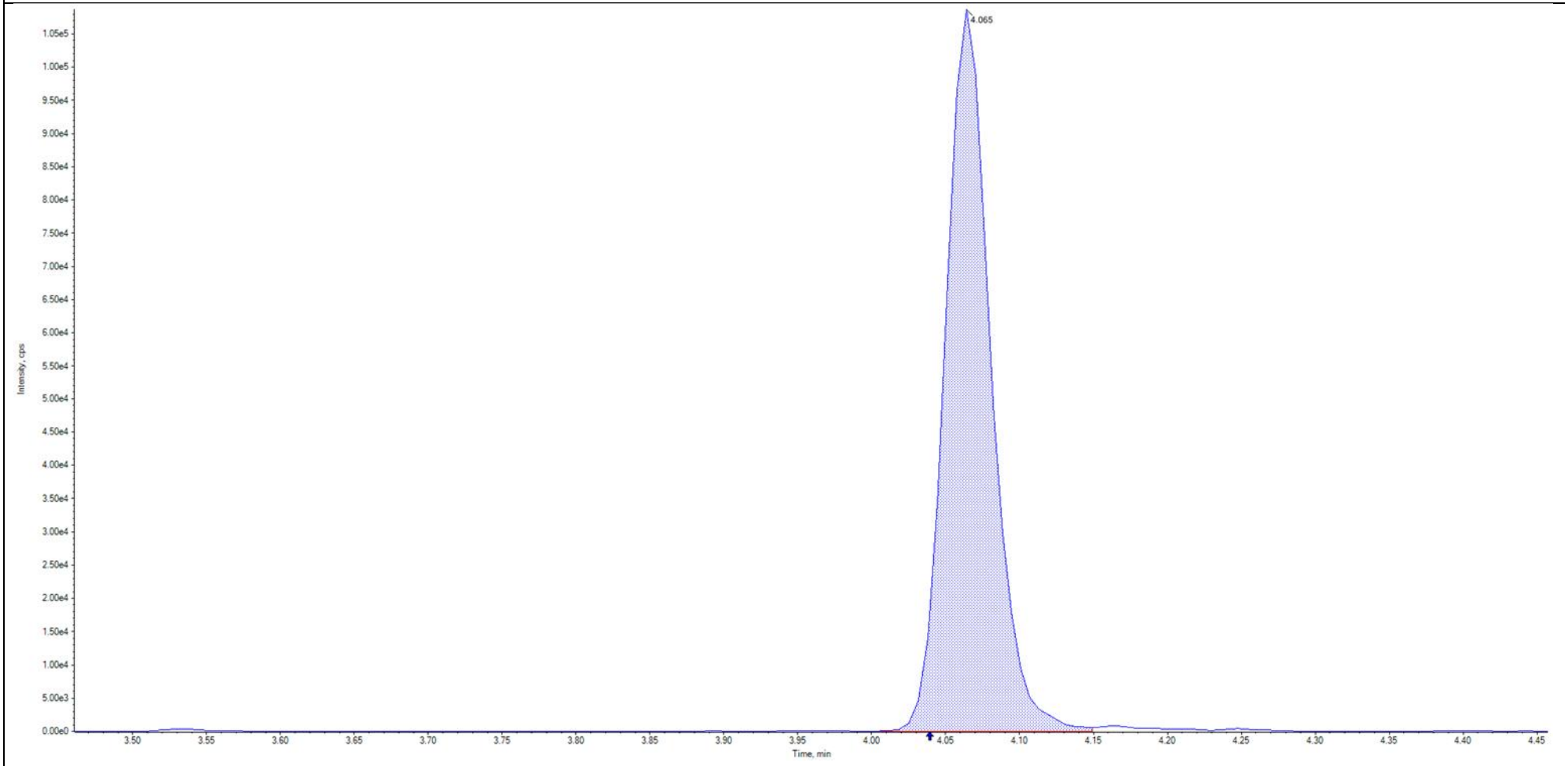
d3-NMeFOSA
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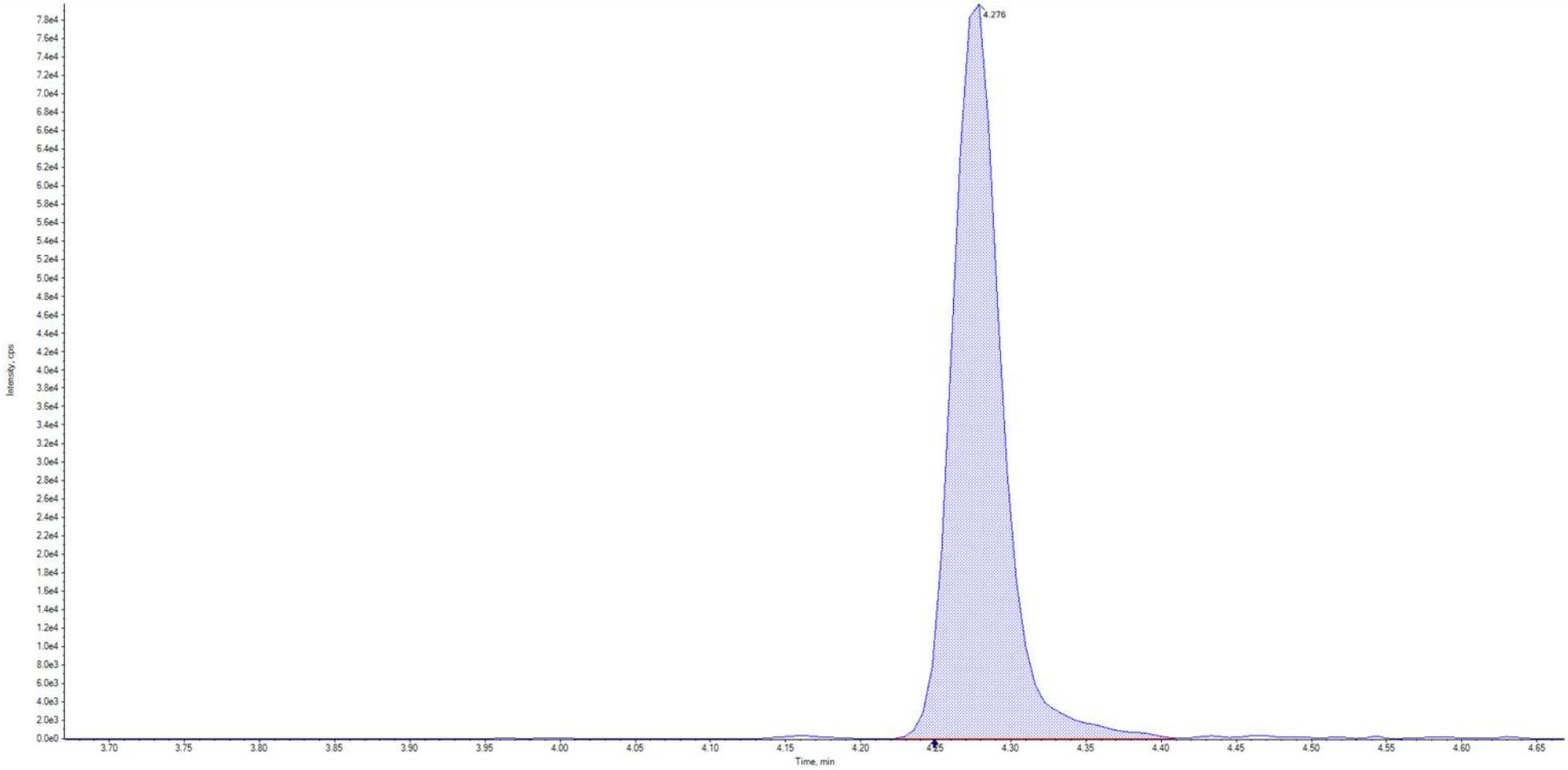
d5-NEtFOSA
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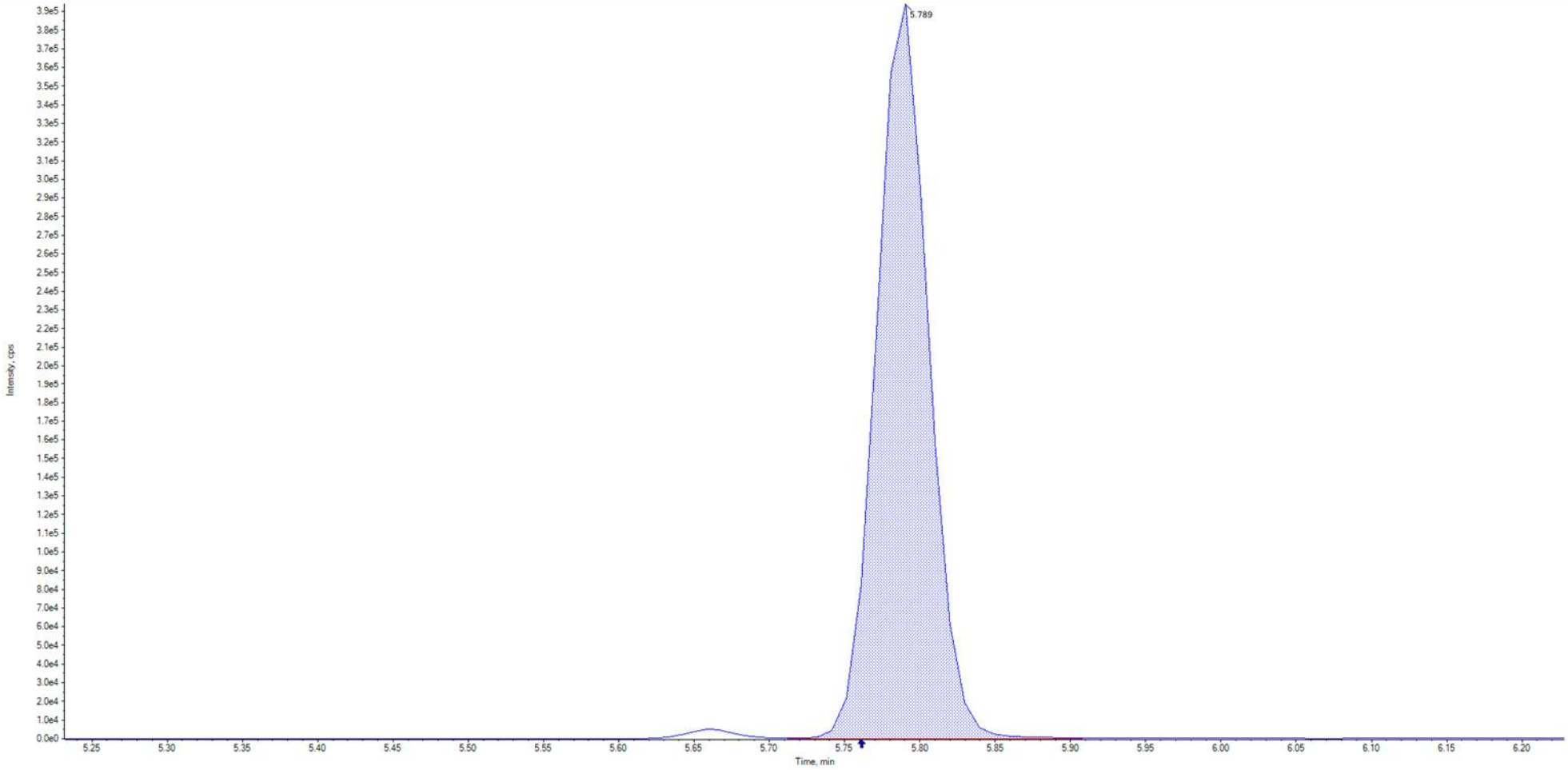
d3-NMeFOSAA
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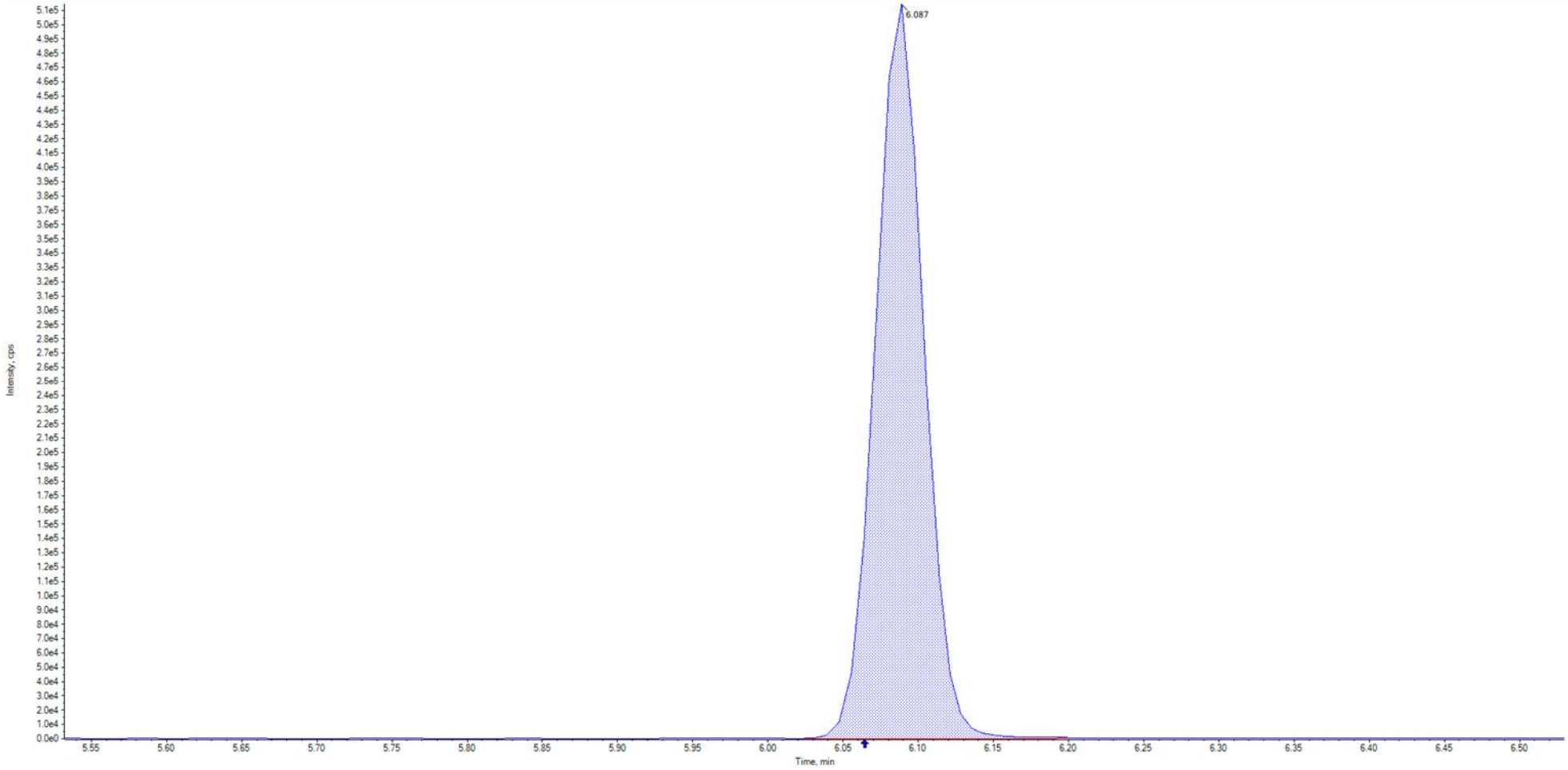
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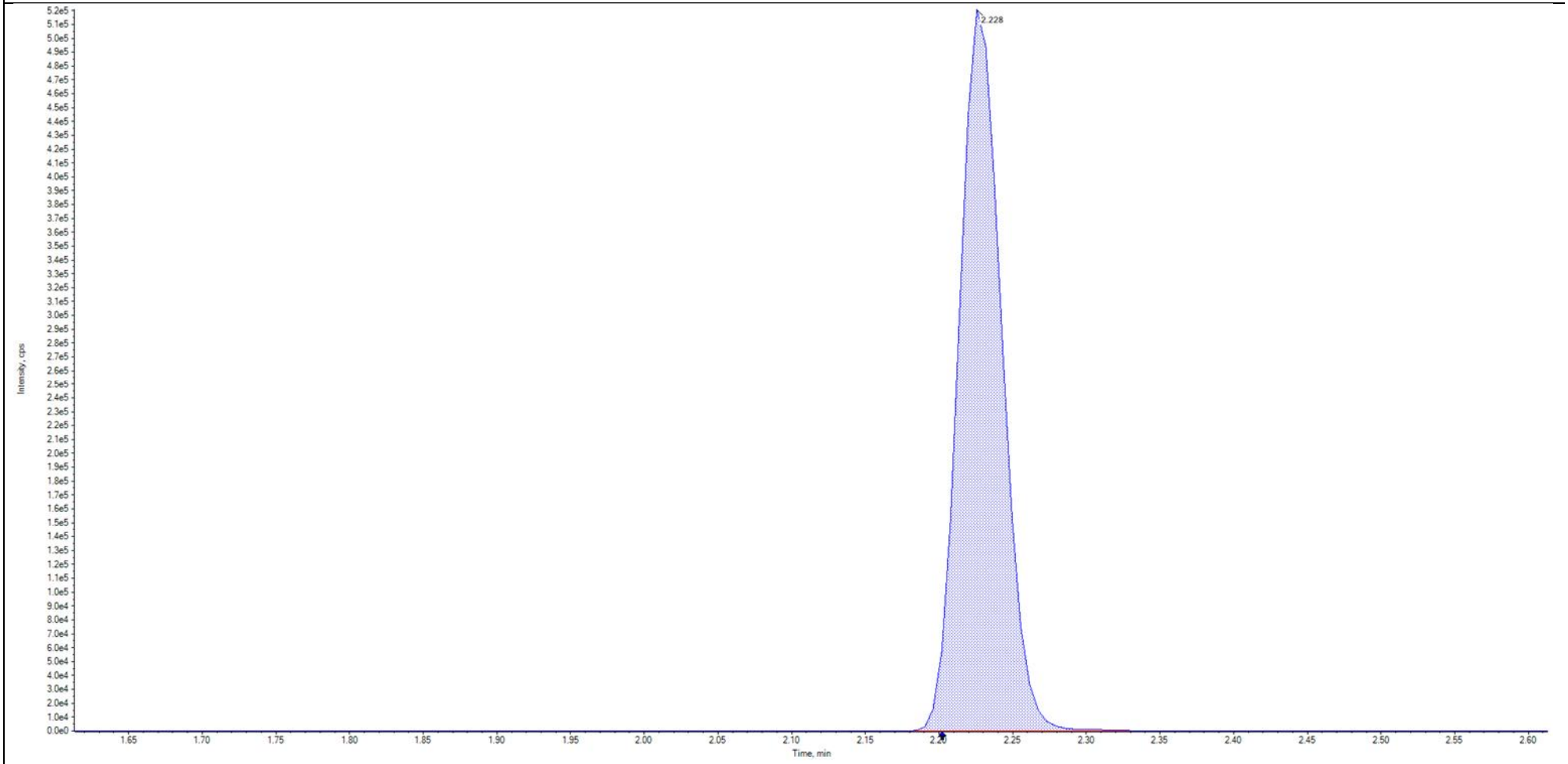
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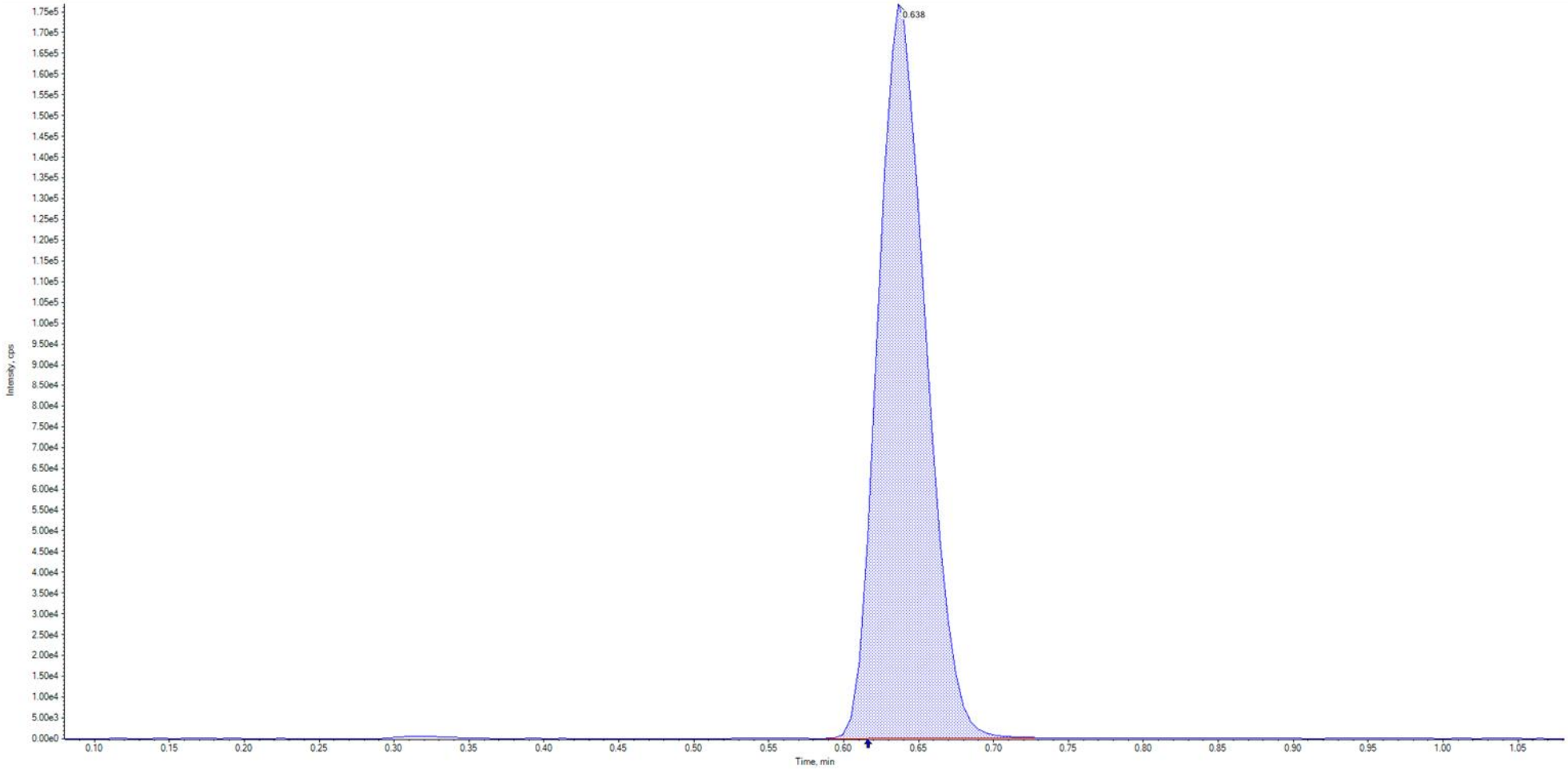
d9-NEtFOSE
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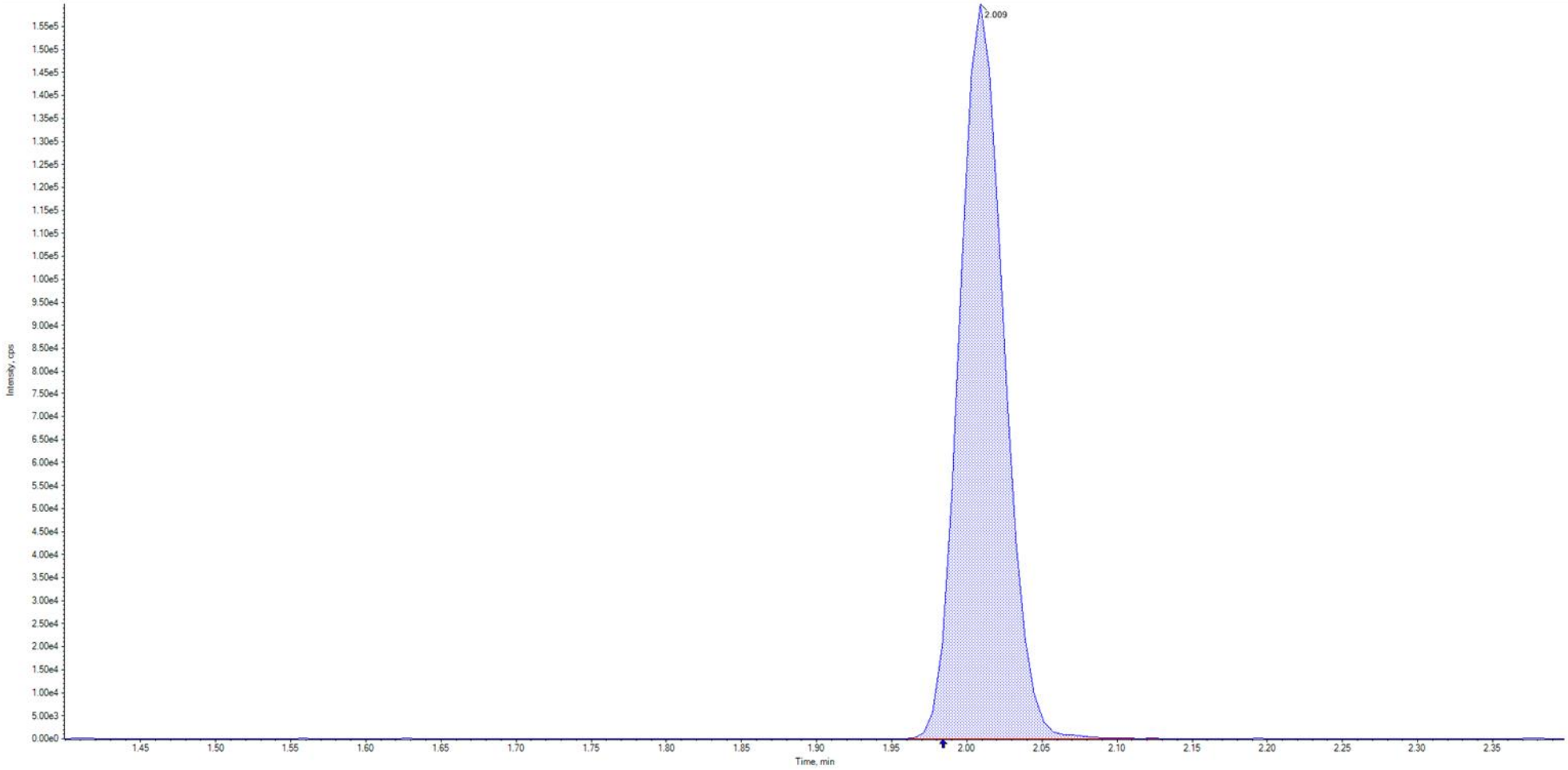
13C3-HFPO-DA
Sample: WG2009822-1



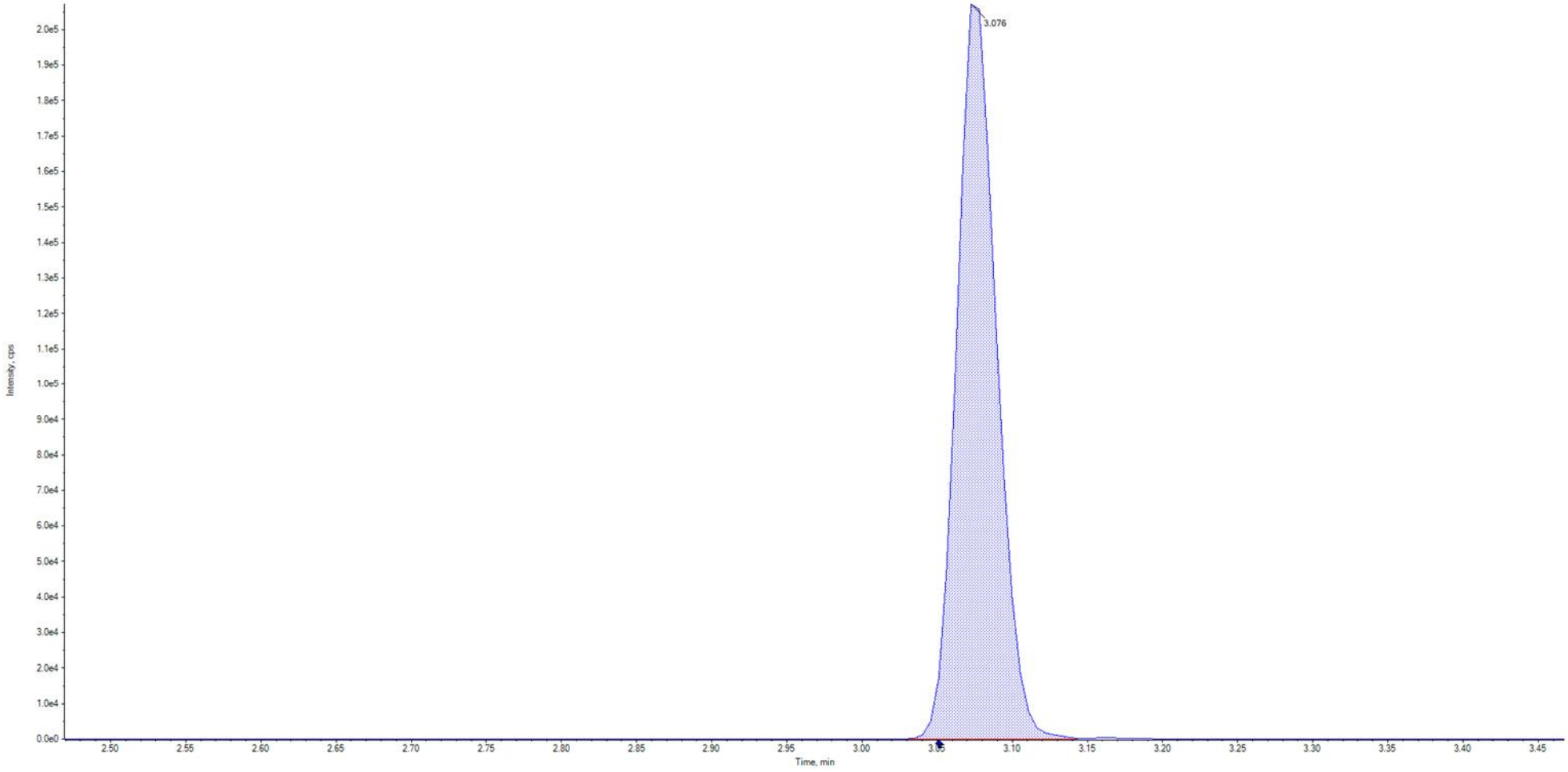
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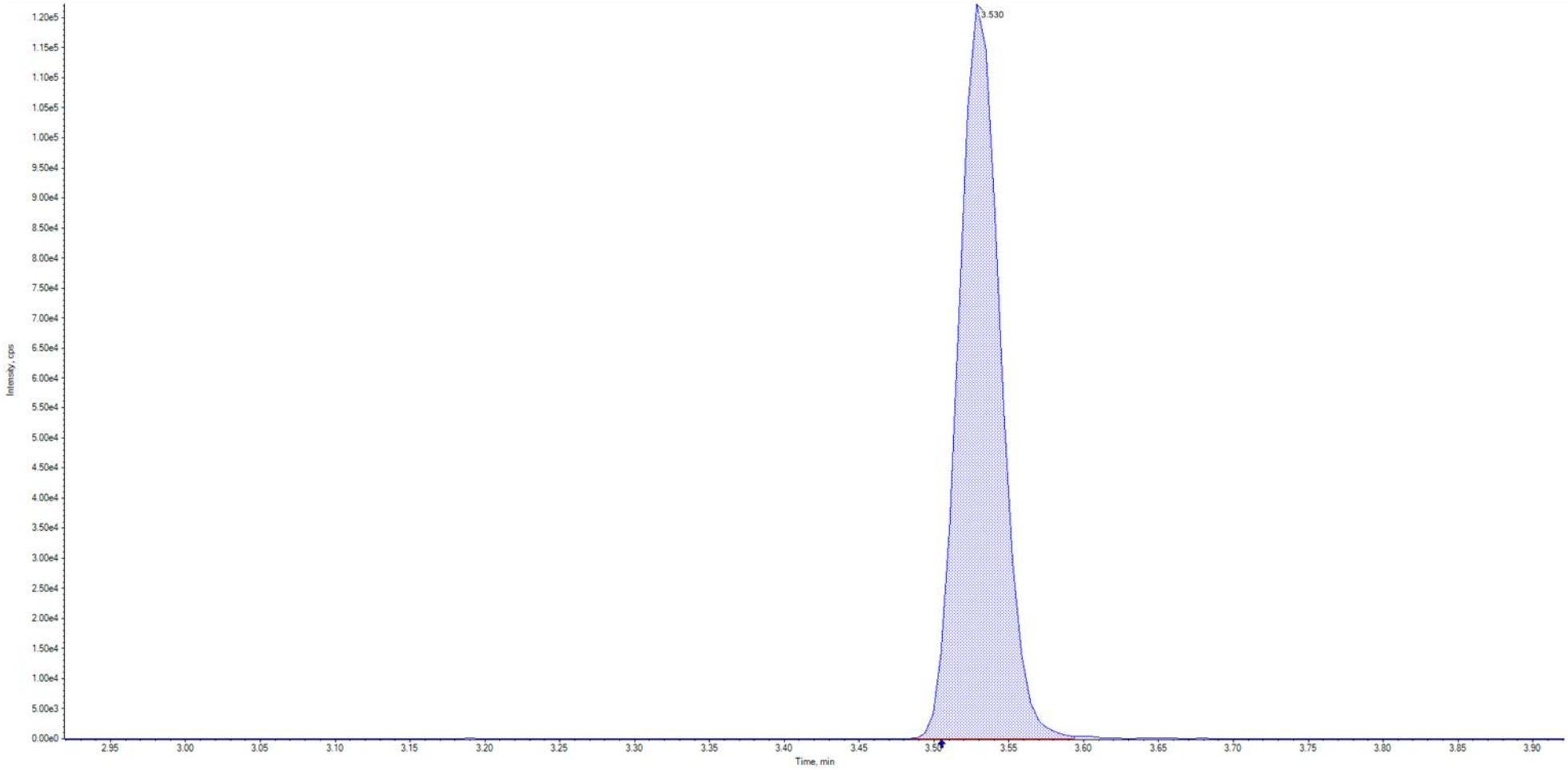
13C2-PFHxA
Sample: WG2009822-1



13C4-PFOA
Sample: WG2009822-1

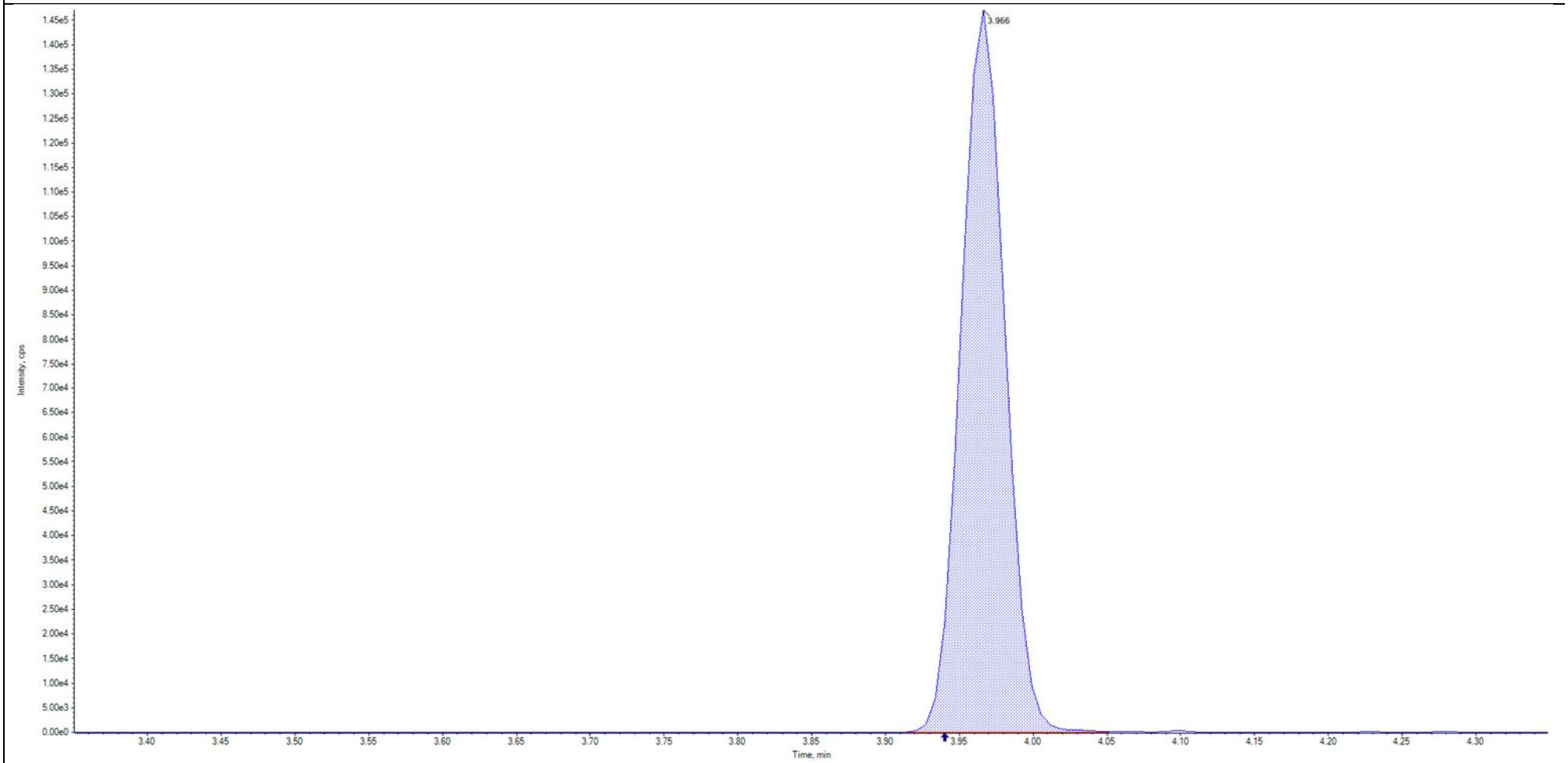


13C5-PFNA
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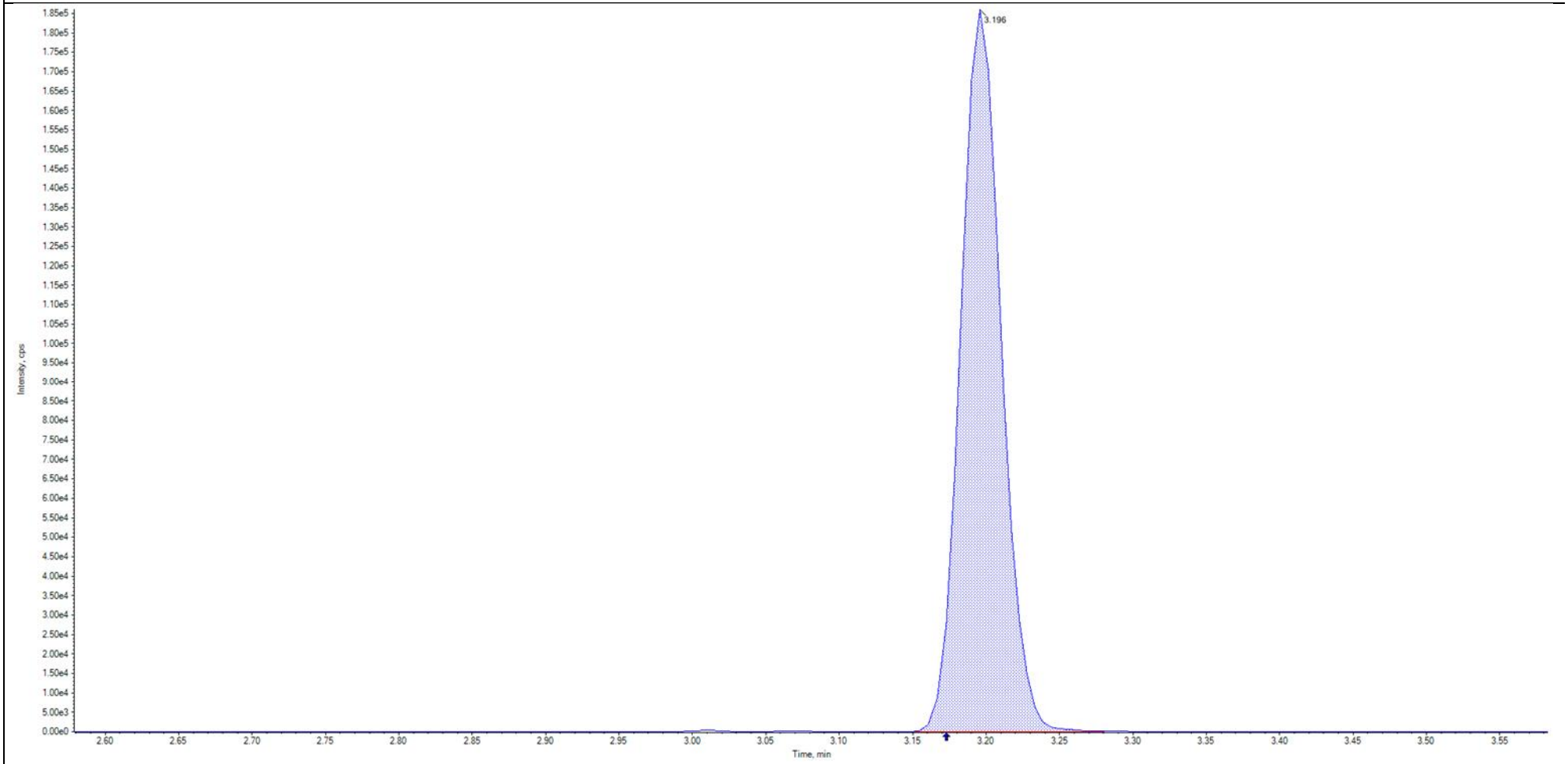


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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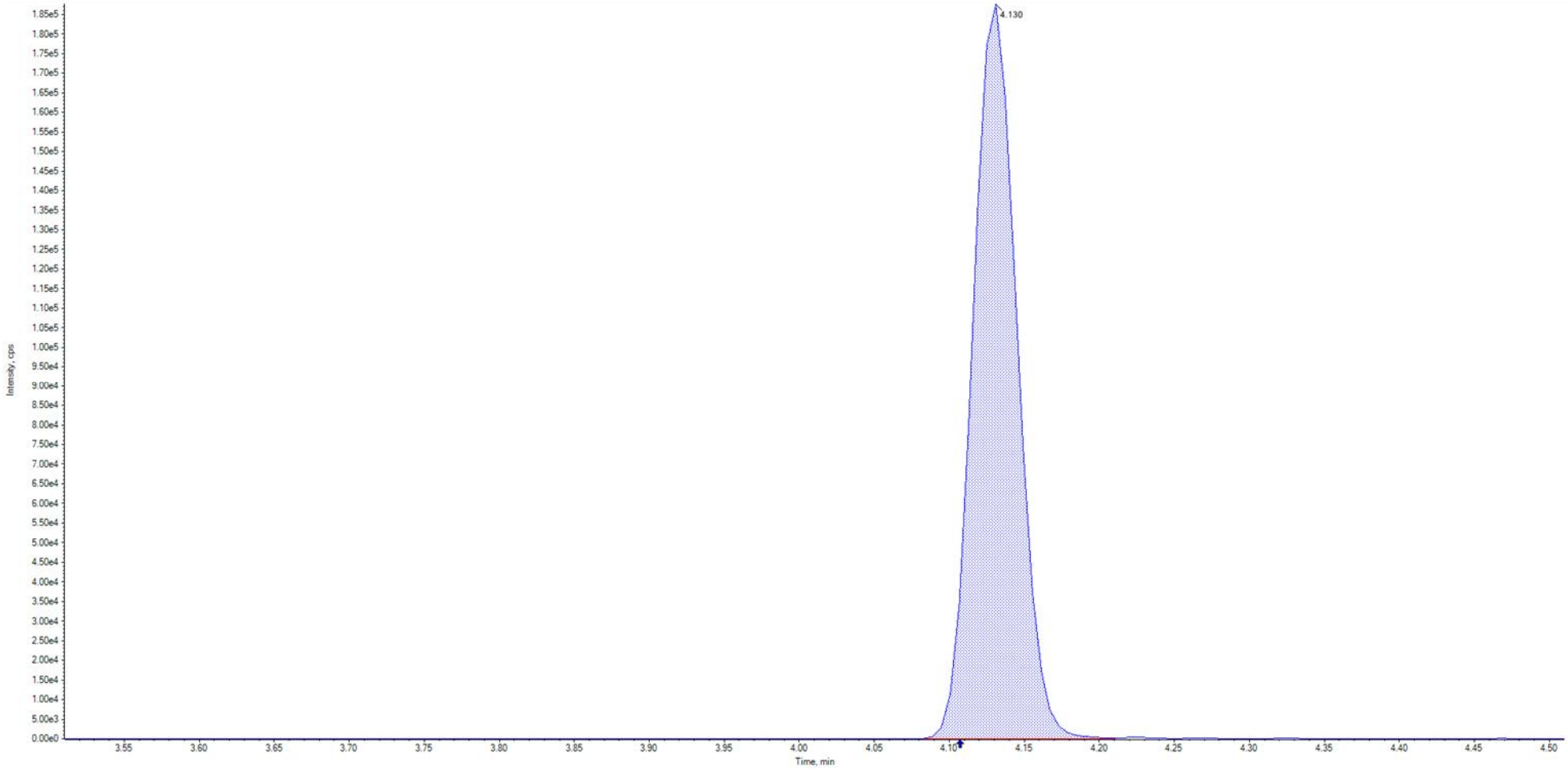
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Sample: WG2009822-1



18O2-PFHxS
Sample: WG2009822-1



13C4-PFOS
Sample: WG2009822-1



Alpha Analytical LLC
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Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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Method: EPA1633F.qmethod
Calibration: 241216_EPA1633_ICAL

ID: WG2009822-2,INSTBLNK
Name: SCI08_241216_20.wiff2
Date & Time: 2024-12-16T16:27:27
Description: WG2009822
Instrument: SCIEX Triple Quad 5500+
User: LCMS08:JW

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	N/A	213.0 / 169.0	N/A		N/A	N/A	N/A	N/A	N/A
2	PFPeA	2706-90-3	N/A	263.0 / 219.0	N/A		N/A	N/A	0.008	N/A	N/A
3	PFPeA_2	2706-90-3	N/A	263.0 / 68.9	N/A		N/A	N/A	0.008	N/A	N/A
4	PFHxA	307-24-4	N/A	313.0 / 269.0	N/A		N/A	N/A	0.084	N/A	N/A
5	PFHxA_2	307-24-4	N/A	313.0 / 119.0	N/A		N/A	N/A	0.084	N/A	N/A
6	PFHpA	375-85-9	N/A	363.1 / 319.0	N/A		N/A	N/A	0.404	N/A	N/A
7	PFHpA_2	375-85-9	N/A	363.1 / 169.0	N/A		N/A	N/A	0.404	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	0.562	N/A	N/A
9	PFOA_2	335-67-1	N/A	413.1 / 169.0	N/A		N/A	N/A	0.562	N/A	N/A
10	PFNA	375-95-1	N/A	462.8 / 418.9	N/A		N/A	N/A	0.464	N/A	N/A
11	PFNA_2	375-95-1	N/A	462.8 / 219.0	N/A		N/A	N/A	0.464	N/A	N/A
12	PFDA	335-76-2	N/A	513.1 / 469.1	N/A		N/A	N/A	0.264	N/A	N/A
13	PFDA_2	335-76-2	N/A	513.1 / 219.0	N/A		N/A	N/A	0.264	N/A	N/A
14	PFUnA	2058-94-8	N/A	563.1 / 519.1	N/A		N/A	N/A	0.204	N/A	N/A
15	PFUnA_2	2058-94-8	N/A	563.1 / 269.0	N/A		N/A	N/A	0.204	N/A	N/A
16	PFDoA	307-55-1	N/A	613.1 / 569.1	N/A		N/A	N/A	0.194	N/A	N/A
17	PFDoA_2	307-55-1	N/A	613.1 / 319.0	N/A		N/A	N/A	0.194	N/A	N/A
18	PFTrDA	72629-94-8	5.19	663.1 / 619.1	4648		0.026	0.199	0.193	Pass	N/A
19	PFTrDA_2	72629-94-8	5.19	663.1 / 169.0	926	m2	0.028	0.199	0.193	Pass	N/A
20	PFTeDA	376-06-7	5.58	713.1 / 669.1	11532		0.056	0.132	0.163	Pass	N/A
21	PFTeDA_2	376-06-7	5.58	713.1 / 169.0	1521	m2	0.047	0.132	0.163	Pass	N/A
22	PFBS	375-73-5	N/A	299.1 / 80.1	N/A		N/A	N/A	0.353	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	0.353	N/A	N/A
24	PFPeS	2706-91-4	N/A	349.1 / 80.1	N/A		N/A	N/A	0.294	N/A	N/A
25	PFPeS_2	2706-91-4	N/A	349.1 / 99.1	N/A		N/A	N/A	0.294	N/A	N/A
26	PFHxS	355-46-4	N/A	399.1 / 80.1	N/A		N/A	N/A	0.292	N/A	N/A
27	PFHxS_2	355-46-4	N/A	399.1 / 99.1	N/A		N/A	N/A	0.292	N/A	N/A
28	PFHpS	375-92-8	N/A	449.1 / 80.1	N/A		N/A	N/A	0.274	N/A	N/A
29	PFHpS_2	375-92-8	N/A	449.1 / 99.1	N/A		N/A	N/A	0.274	N/A	N/A
30	PFOS	1763-23-1	N/A	499.1 / 80.1	N/A		N/A	N/A	0.223	N/A	N/A
31	PFOS_2	1763-23-1	N/A	499.1 / 99.1	N/A		N/A	N/A	0.223	N/A	N/A
32	PFNS	68259-12-1	N/A	549.1 / 80.1	N/A		N/A	N/A	0.281	N/A	N/A
33	PFNS_2	68259-12-1	N/A	549.1 / 99.1	N/A		N/A	N/A	0.281	N/A	N/A
34	PFDS	335-77-3	N/A	599.1 / 80.1	N/A		N/A	N/A	0.267	N/A	N/A
35	PFDS_2	335-77-3	N/A	599.1 / 99.1	N/A		N/A	N/A	0.267	N/A	N/A
36	PFDoS	79780-39-5	N/A	699.2 / 80.1	N/A		N/A	N/A	0.225	N/A	N/A
37	PFDoS_2	79780-39-5	N/A	699.2 / 99.1	N/A		N/A	N/A	0.225	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	0.637	N/A	N/A
39	4:2FTS_2	757124-72-4	N/A	327.1 / 81.1	N/A		N/A	N/A	0.637	N/A	N/A
40	6:2FTS	27619-97-2	N/A	427.2 / 407.2	N/A		N/A	N/A	0.571	N/A	N/A
41	6:2FTS_2	27619-97-2	N/A	427.2 / 81.1	N/A		N/A	N/A	0.571	N/A	N/A
42	8:2FTS	39108-34-4	N/A	527.2 / 507.2	N/A		N/A	N/A	0.758	N/A	N/A
43	8:2FTS_2	39108-34-4	N/A	527.2 / 81.1	N/A		N/A	N/A	0.758	N/A	N/A
44	PFOSA	754-91-6	N/A	498.1 / 78.1	N/A		N/A	N/A	0.023	N/A	N/A
45	PFOSA_2	754-91-6	N/A	498.1 / 478.0	N/A		N/A	N/A	0.023	N/A	N/A
46	NMeFOSA	31506-32-8	N/A	512.2 / 219.0	N/A		N/A	N/A	1.447	N/A	N/A
47	NMeFOSA_2	31506-32-8	N/A	512.2 / 169.0	N/A		N/A	N/A	1.447	N/A	N/A
48	NEtFOSA	4151-50-2	N/A	526.2 / 219.0	N/A		N/A	N/A	1.299	N/A	N/A
49	NEtFOSA_2	4151-50-2	N/A	526.2 / 169.0	N/A		N/A	N/A	1.299	N/A	N/A
50	NMeFOSAA	2355-31-9	N/A	570.2 / 419.1	N/A		N/A	N/A	0.605	N/A	N/A
51	NMeFOSAA_2	2355-31-9	N/A	570.2 / 483.0	N/A		N/A	N/A	0.605	N/A	N/A
52	NEtFOSAA	2991-50-6	N/A	584.2 / 419.1	N/A		N/A	N/A	0.518	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	0.518	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	0.474	N/A	N/A
57	HFPO-DA_2	13252-13-6	N/A	285.0 / 184.9	N/A		N/A	N/A	0.474	N/A	N/A
58	ADONA	919005-14-4	N/A	376.9 / 251.0	N/A		N/A	N/A	0.740	N/A	N/A
59	ADONA_2	919005-14-4	N/A	376.9 / 84.8	N/A		N/A	N/A	0.740	N/A	N/A
60	9Cl-PF3ONS	756426-58-1	N/A	530.8 / 351.1	N/A		N/A	N/A	0.340	N/A	N/A
61	9Cl-PF3ONS_2	756426-58-1	N/A	532.8 / 353.0	N/A		N/A	N/A	0.340	N/A	N/A
62	11Cl-PF3OUdS	763051-92-9	N/A	630.9 / 451.0	N/A		N/A	N/A	0.328	N/A	N/A
63	11Cl-PF3OUdS_2	763051-92-9	N/A	632.9 / 452.9	N/A		N/A	N/A	0.328	N/A	N/A
64	3:3FTCA	356-02-5	N/A	241.1 / 177.1	N/A		N/A	N/A	0.996	N/A	N/A
65	3:3FTCA_2	356-02-5	N/A	241.1 / 117.0	N/A		N/A	N/A	0.996	N/A	N/A
66	5:3FTCA	914637-49-3	N/A	341.1 / 237.1	N/A		N/A	N/A	1.037	N/A	N/A
67	5:3FTCA_2	914637-49-3	N/A	341.1 / 217.0	N/A		N/A	N/A	1.037	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	4.03	441.1 / 316.9	15133		0.536	1.240	1.181	Pass	N/A
69	7:3FTCA_2	812-70-4	4.03	441.1 / 337.1	18771	m4	0.583	1.240	1.181	Pass	N/A
70	PFEESA	113507-82-7	N/A	315.1 / 135.0	N/A		N/A	N/A	0.078	N/A	N/A
71	PFEESA_2	113507-82-7	N/A	315.1 / 82.9	N/A		N/A	N/A	0.078	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	0.765	N/A	N/A
75	NFDHA_2	151772-58-6	N/A	295.0 / 84.9	N/A		N/A	N/A	0.765	N/A	N/A
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	5.845	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	5.845	N/A	N/A
78	13C2D4-4:2FTS	Surr	1.76	333.2 / 312.1	86780		3.662	N/A	N/A	N/A	N/A
79	13C2-PFOA	Surr	3.06	415.0 / 370.0	281190		1.808	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	1105552		9.649	NA	NA	NA	96.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	1.23	268.0 / 223.0	474231		4.952	NA	NA	NA	99.0
	13C5-PFHxA	EIS	1.99	318.0 / 273.0	280971		2.369	NA	NA	NA	94.8
	13C4-PFHpA	EIS	2.57	367.0 / 322.0	365190		2.440	NA	NA	NA	97.6
	13C8-PFOA	EIS	3.06	420.8 / 376.0	417104		2.369	NA	NA	NA	94.8
	13C9-PFNA	EIS	3.51	472.0 / 427.0	194262		1.234	NA	NA	NA	98.7
	13C6-PFDA	EIS	3.95	519.0 / 474.0	328538		1.263	NA	NA	NA	101.0
	13C7-PFUnA	EIS	4.37	570.0 / 525.0	282699		1.023	NA	NA	NA	81.8

	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	221832		0.976	NA	NA	NA	78.0
	13C2-PFTeDA	EIS	5.57	715.1 / 670.1	262607		0.983	NA	NA	NA	78.6
	13C3-PFBS	EIS	2.00	302.1 / 80.1	443682		2.368	NA	NA	NA	101.6
	13C3-PFHxS	EIS	3.18	402.1 / 80.1	368333		2.317	NA	NA	NA	97.8
	13C8-PFOS	EIS	4.11	507.1 / 80.1	463854		2.274	NA	NA	NA	94.8
	13C2-4:2FTS	EIS	1.77	329.1 / 81.1	74106		4.192	NA	NA	NA	89.4
	13C2-6:2FTS	EIS	2.86	429.2 / 81.1	75102		4.458	NA	NA	NA	93.6
	13C2-8:2FTS	EIS	3.75	529.2 / 81.1	96033		4.043	NA	NA	NA	84.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	5.19	506.1 / 78.1	721529		2.463	NA	NA	NA	98.5
	d3-NMeFOSA	EIS	5.92	515.2 / 219.0	109648		2.388	NA	NA	NA	95.5
	d5-NEtFOSA	EIS	6.21	531.2 / 219.0	109252		2.404	NA	NA	NA	96.2
	d3-NMeFOSAA	EIS	4.04	573.2 / 419.1	164207		4.474	NA	NA	NA	89.5
	d5-NEtFOSAA	EIS	4.25	589.3 / 419.1	150794		4.901	NA	NA	NA	98.0
	d7-NMeFOSE	EIS	5.77	623.2 / 58.9	797964		24.215	NA	NA	NA	96.9
	d9-NEtFOSE	EIS	6.07	639.2 / 58.9	965190		23.679	NA	NA	NA	94.7

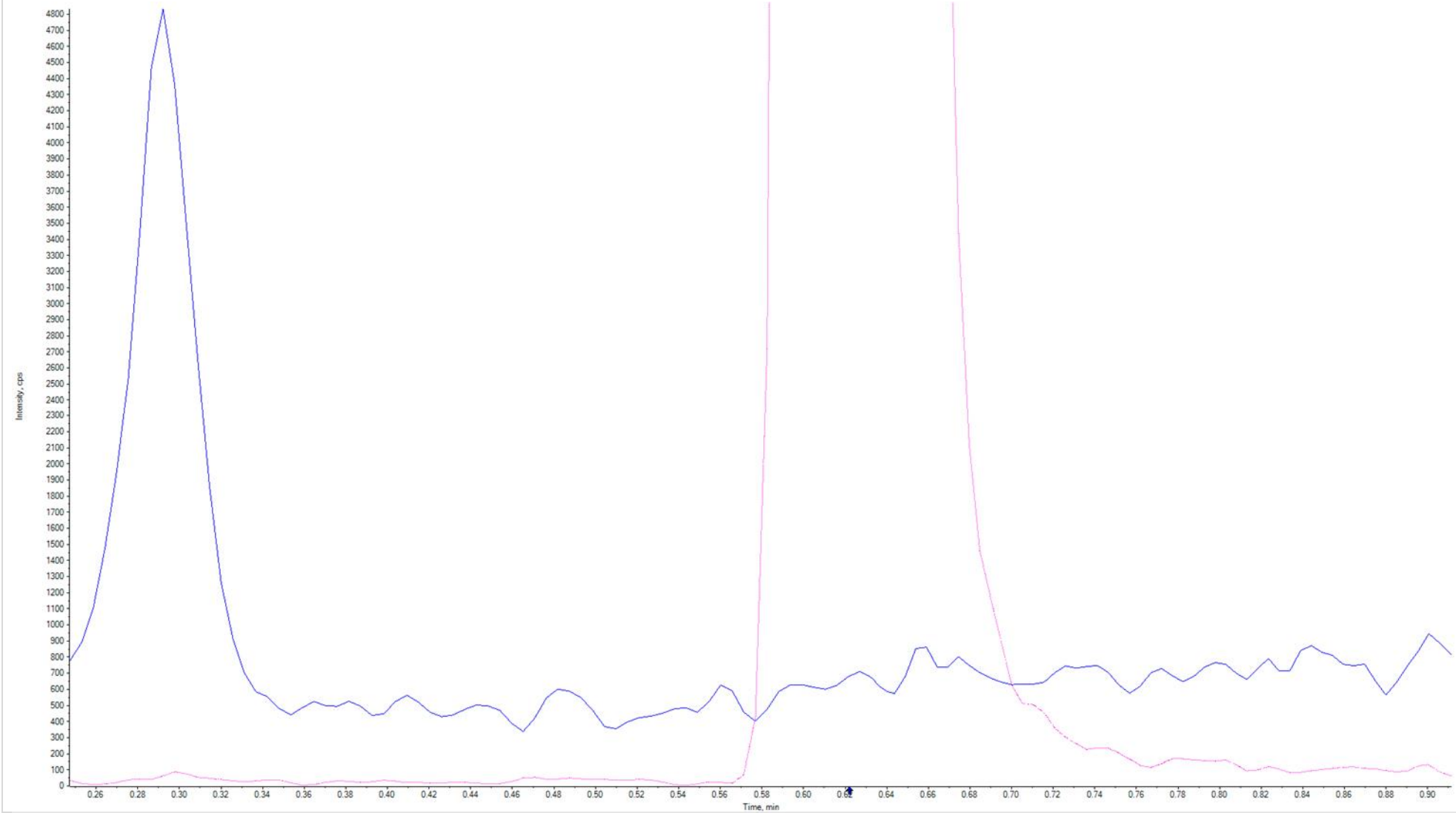
	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.21	287.0 / 169.0	1112452		10.222	NA	NA	NA	102.2
	13C3-PFBA	NIS	0.62	216.0 / 172.0	502994		5.097	NA	NA	NA	101.9
	13C2-PFHxA	NIS	1.99	315.0 / 270.0	317088		2.318	NA	NA	NA	92.7
	13C4-PFOA	NIS	3.06	417.0 / 372.0	341478		2.339	NA	NA	NA	93.6
	13C5-PFNA	NIS	3.51	468.0 / 423.0	198141		1.068	NA	NA	NA	85.4
	13C2-PFDA	NIS	3.95	515.1 / 470.1	312349		1.372	NA	NA	NA	109.7
	18O2-PFHxS	NIS	3.18	403.1 / 84.1	327301		2.140	NA	NA	NA	90.3
	13C4-PFOS	NIS	4.11	503.1 / 80.1	374824		2.204	NA	NA	NA	91.8

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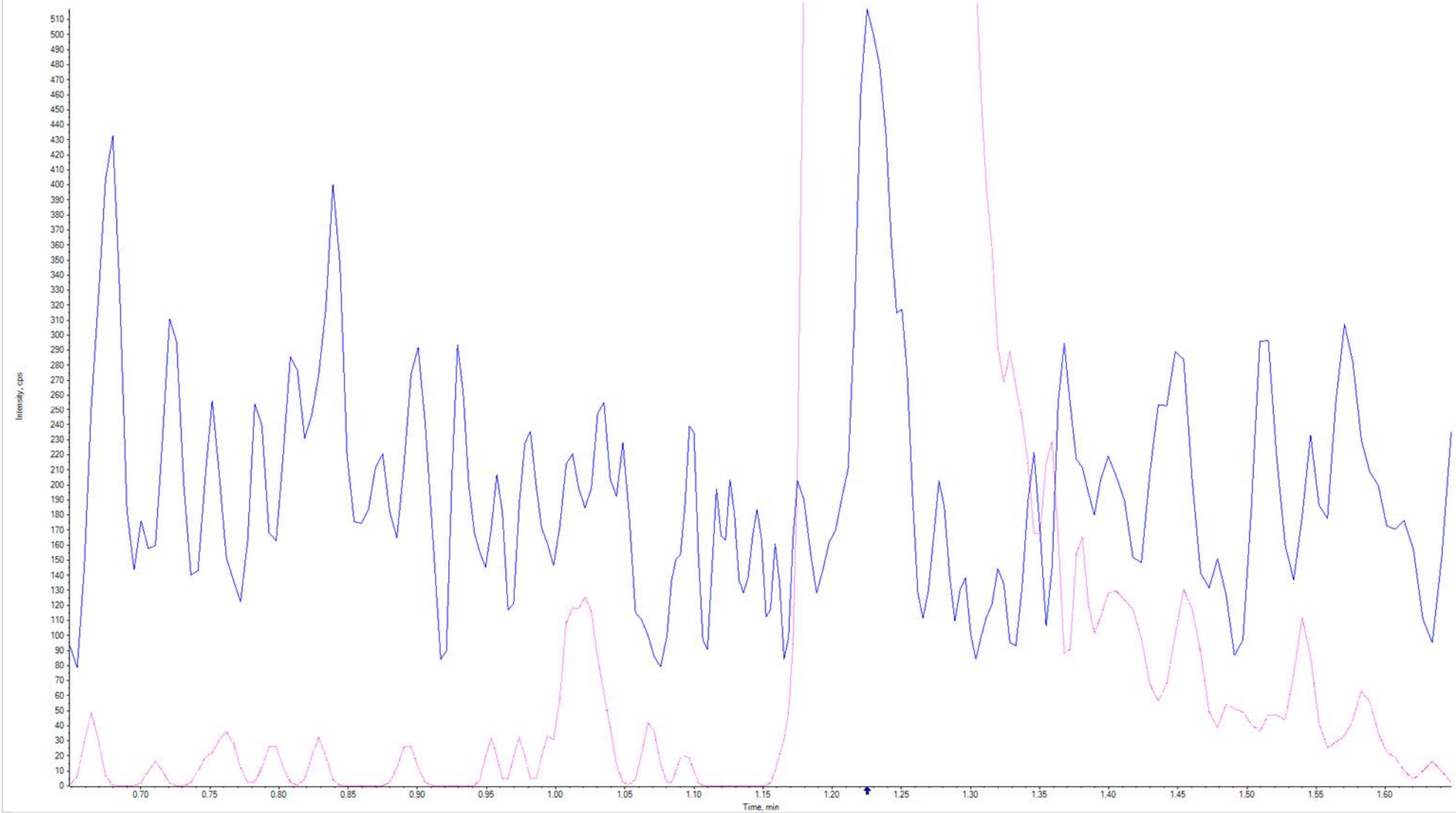
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PFBA
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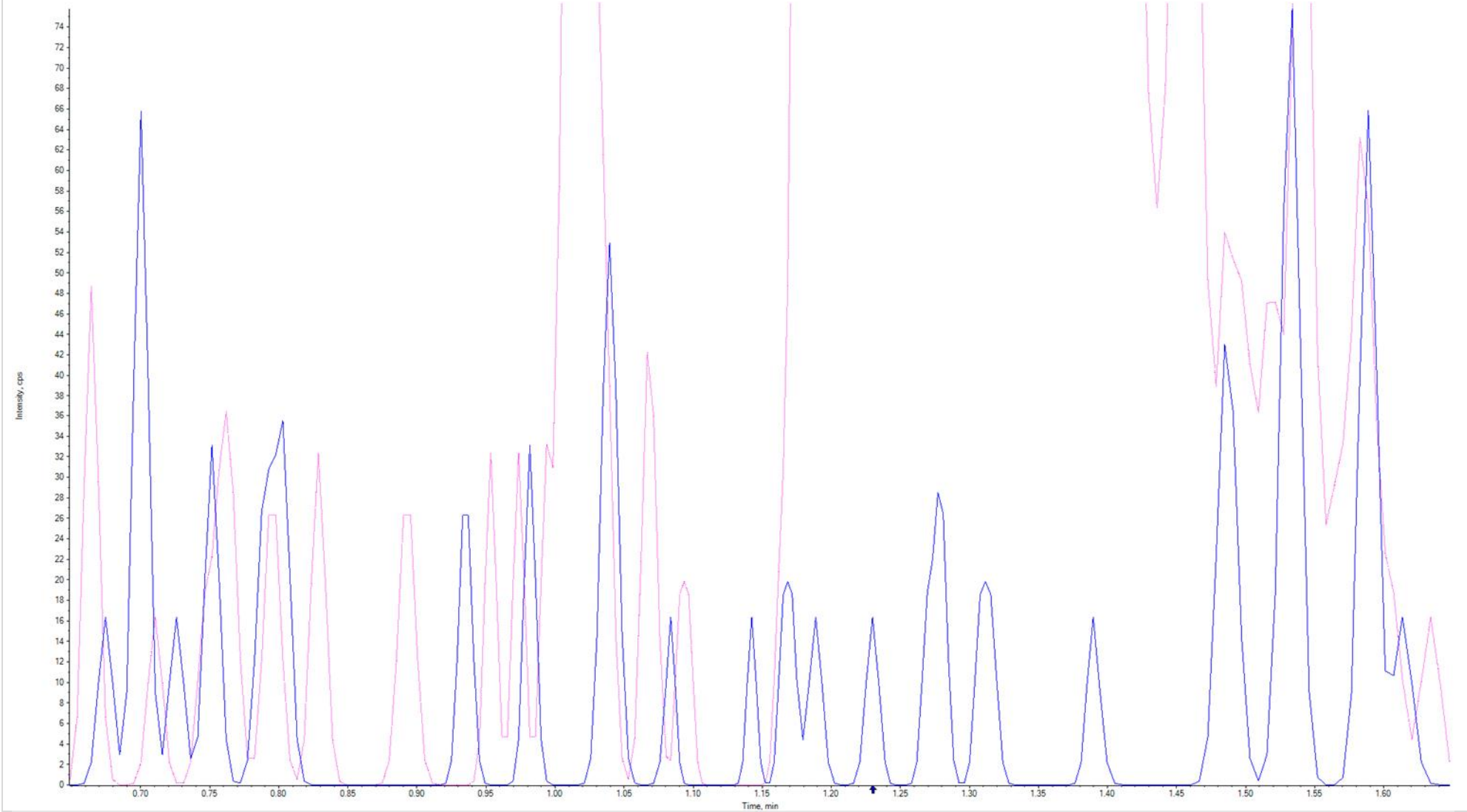


PFPeA
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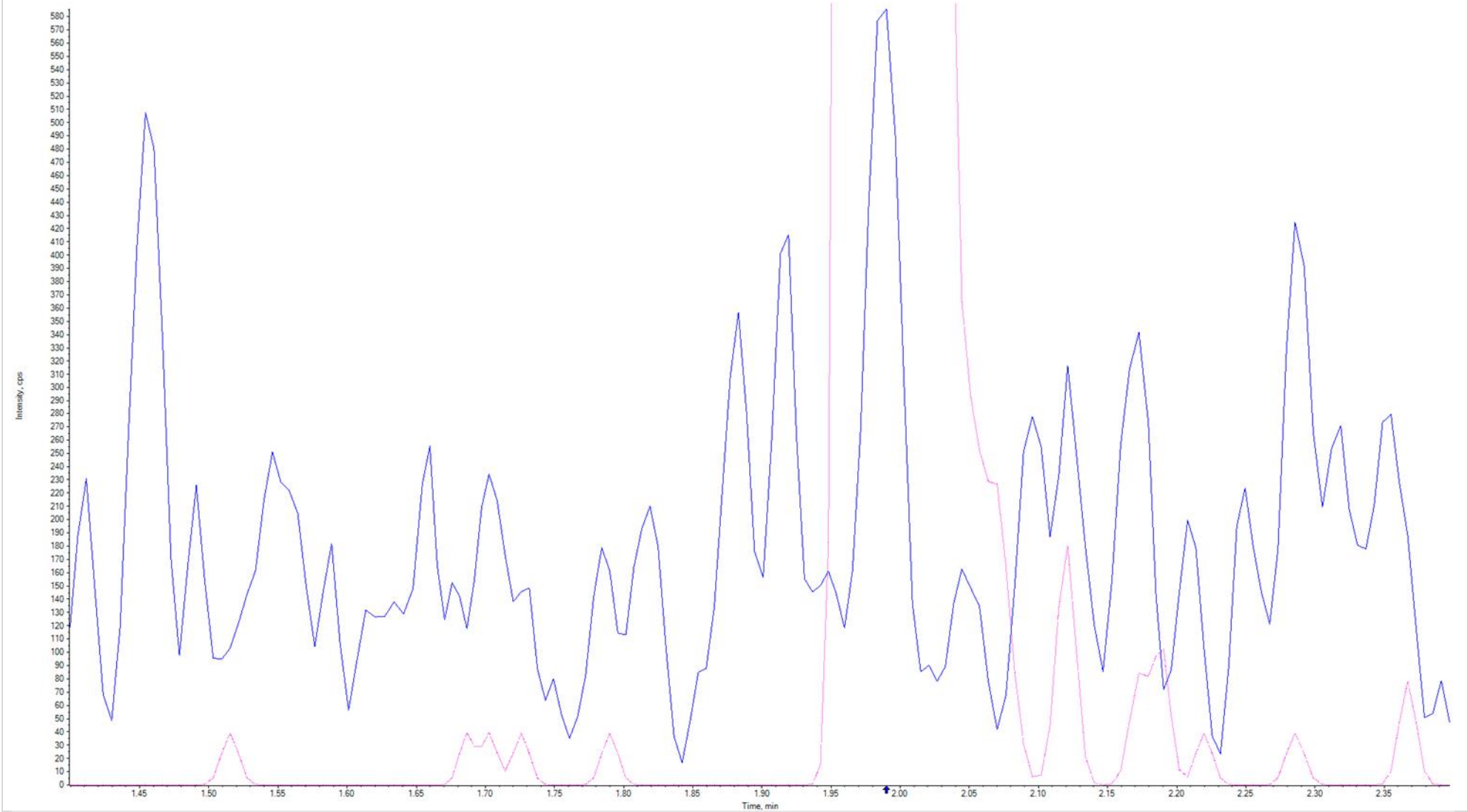
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PFPeA_2
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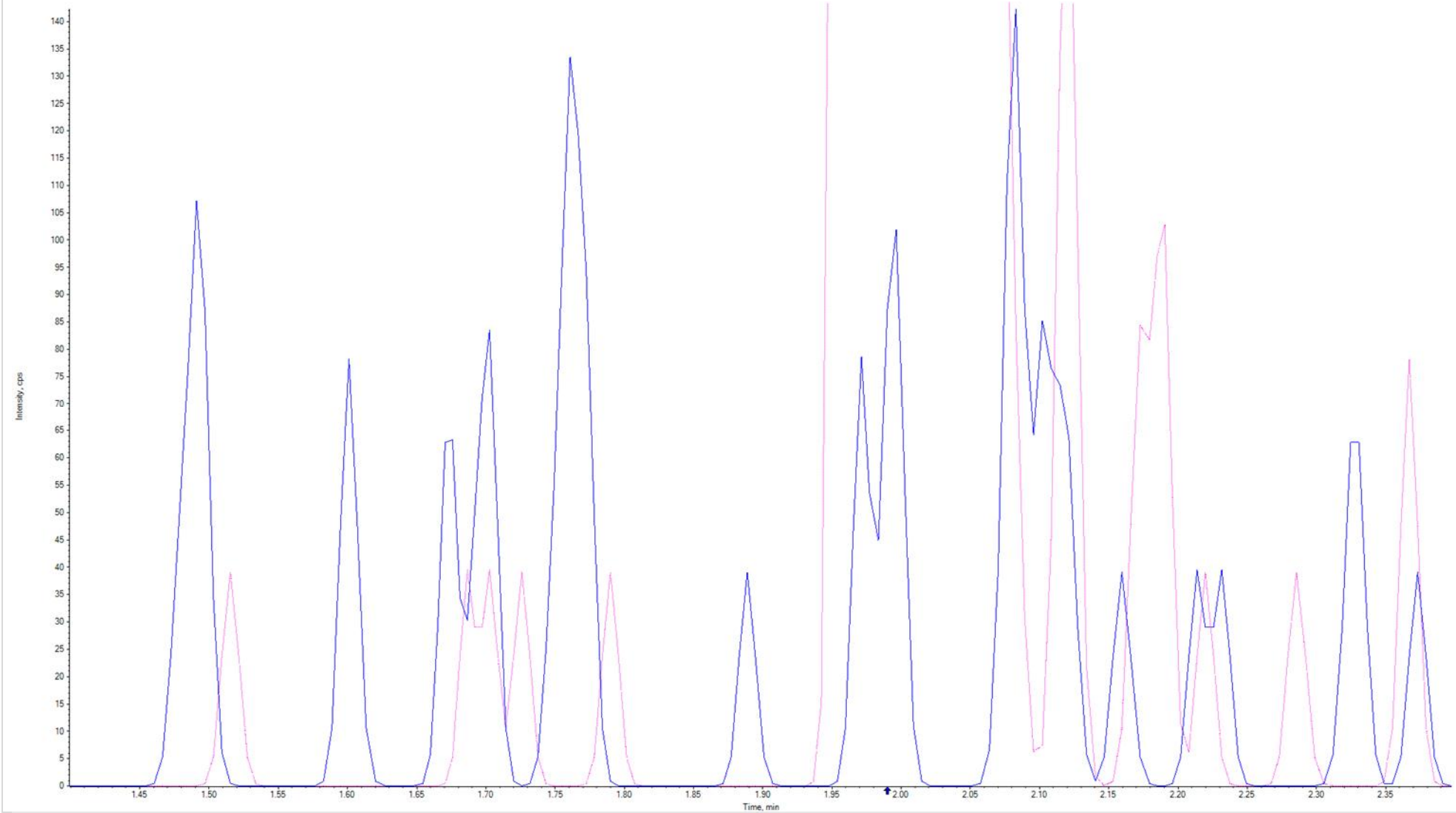


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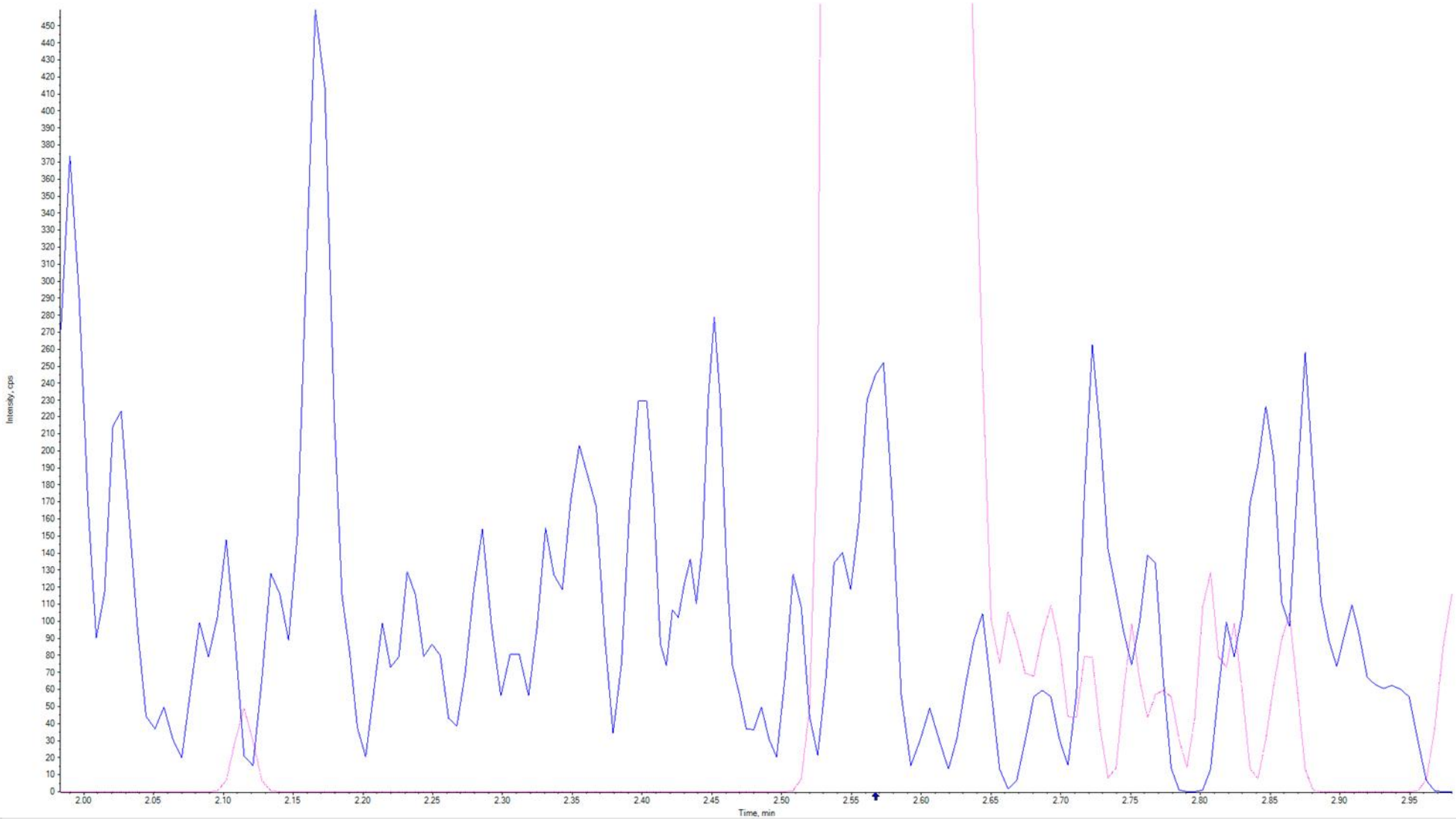
PFHxA
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PFHxA_2
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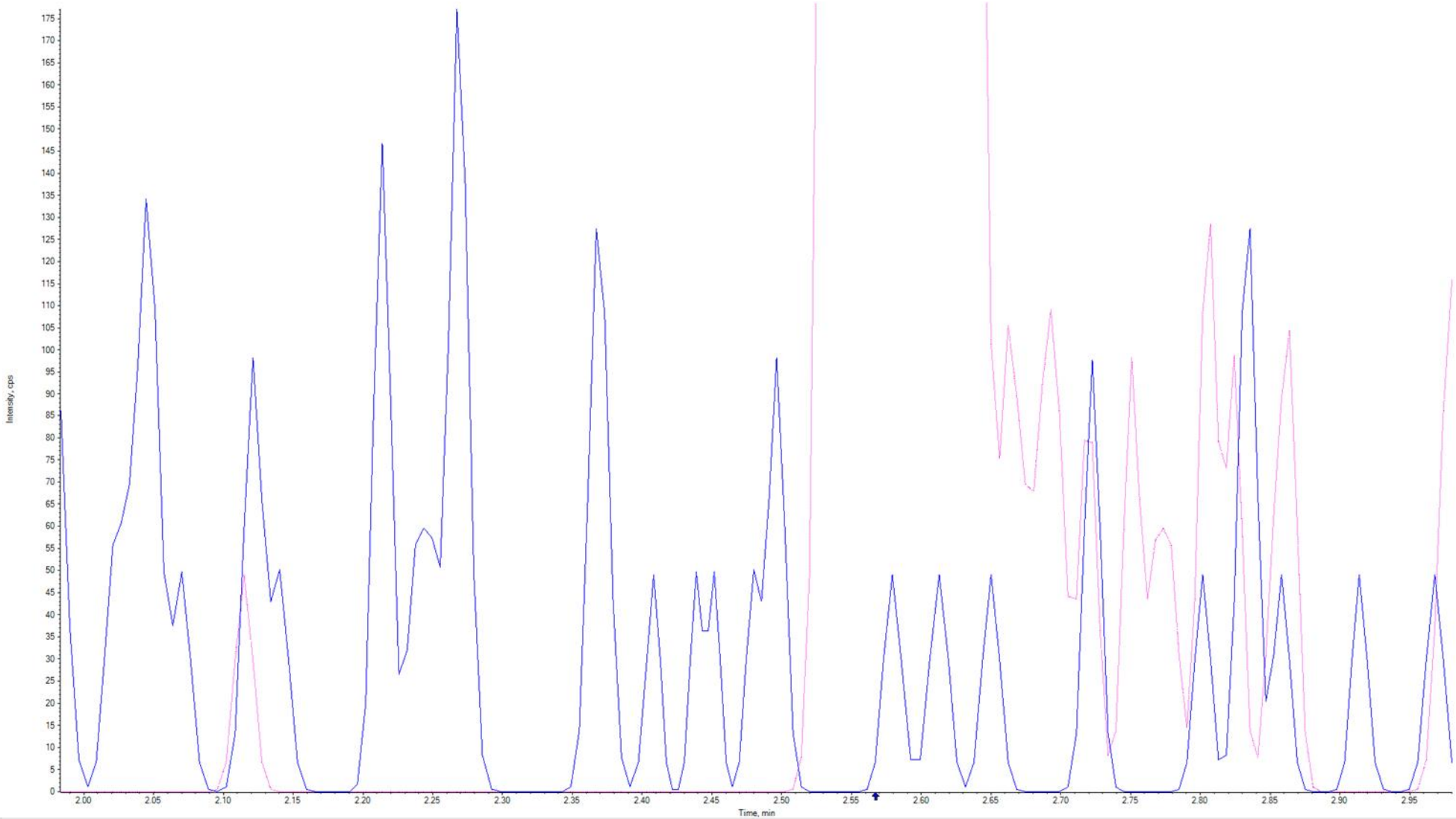


PFHpA
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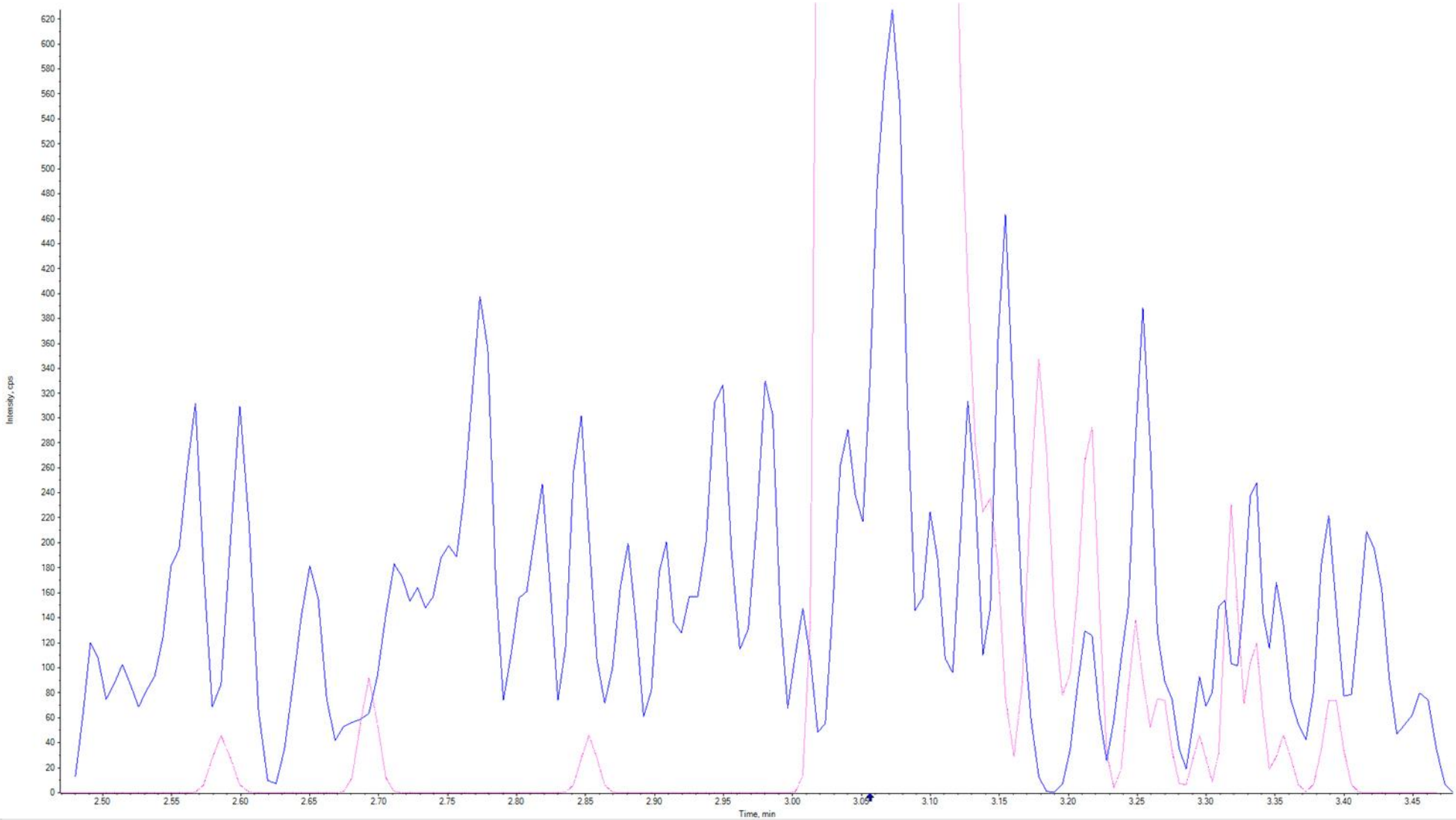
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PFHpA_2
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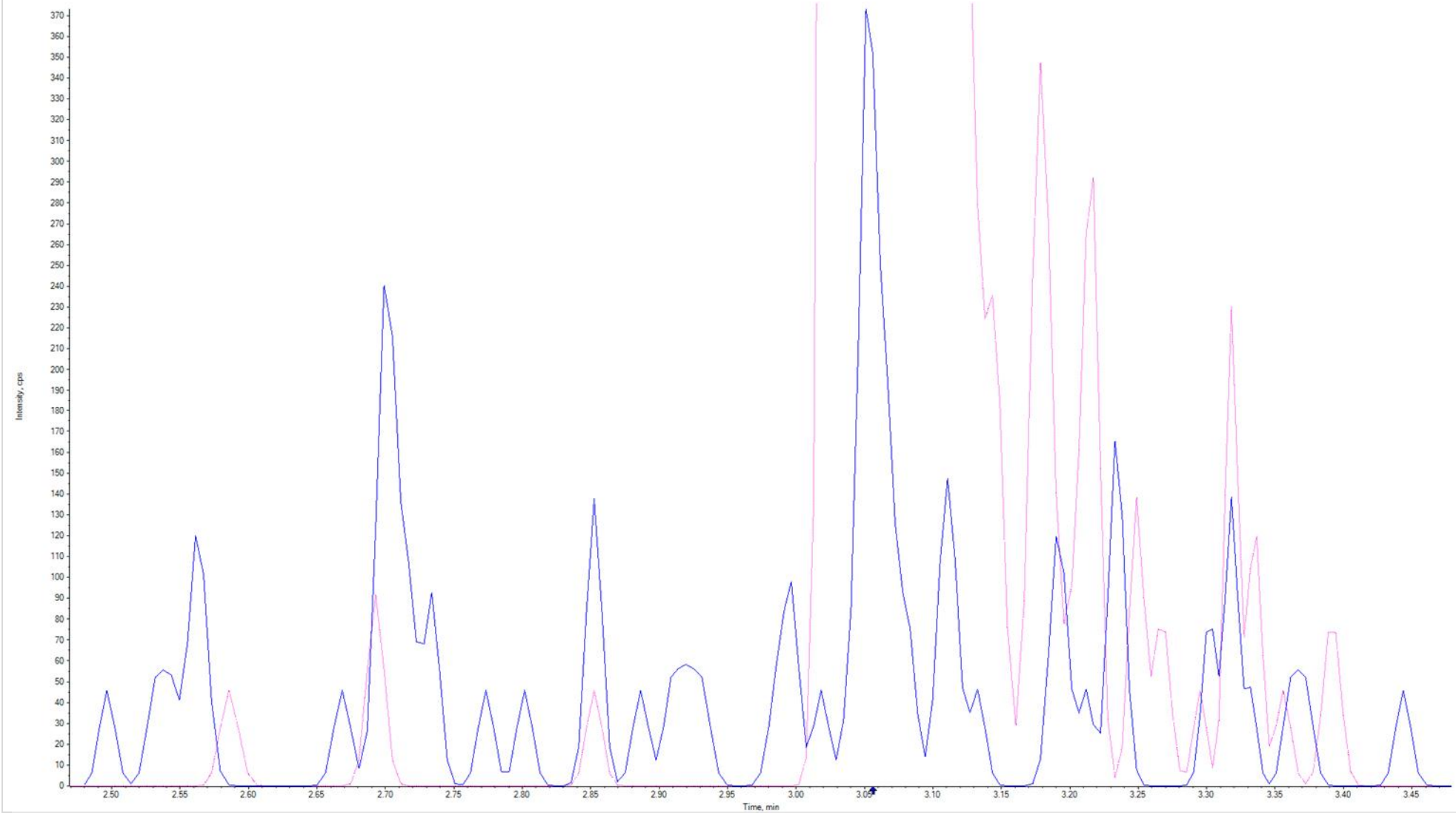
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PFOA
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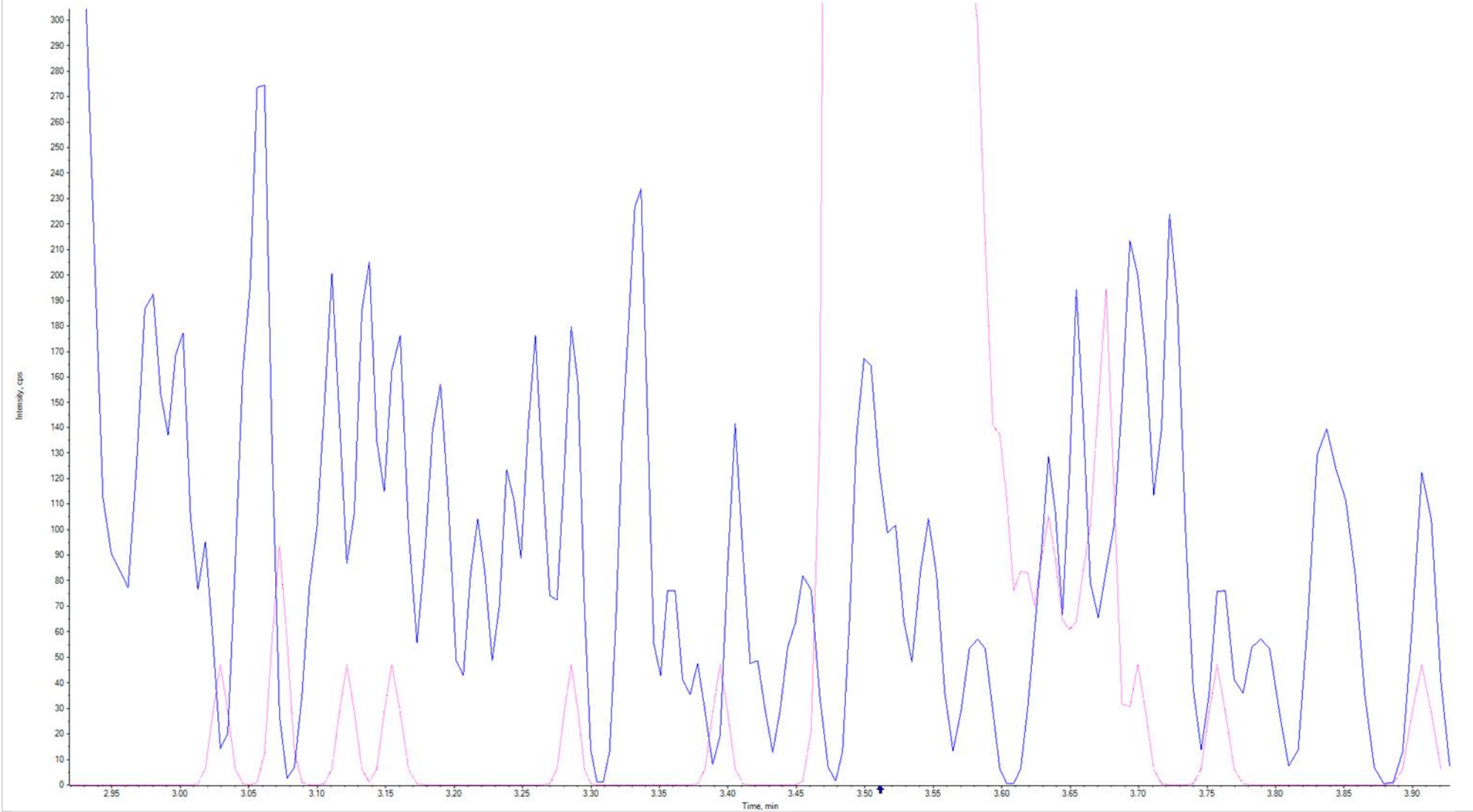
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PFOA_2
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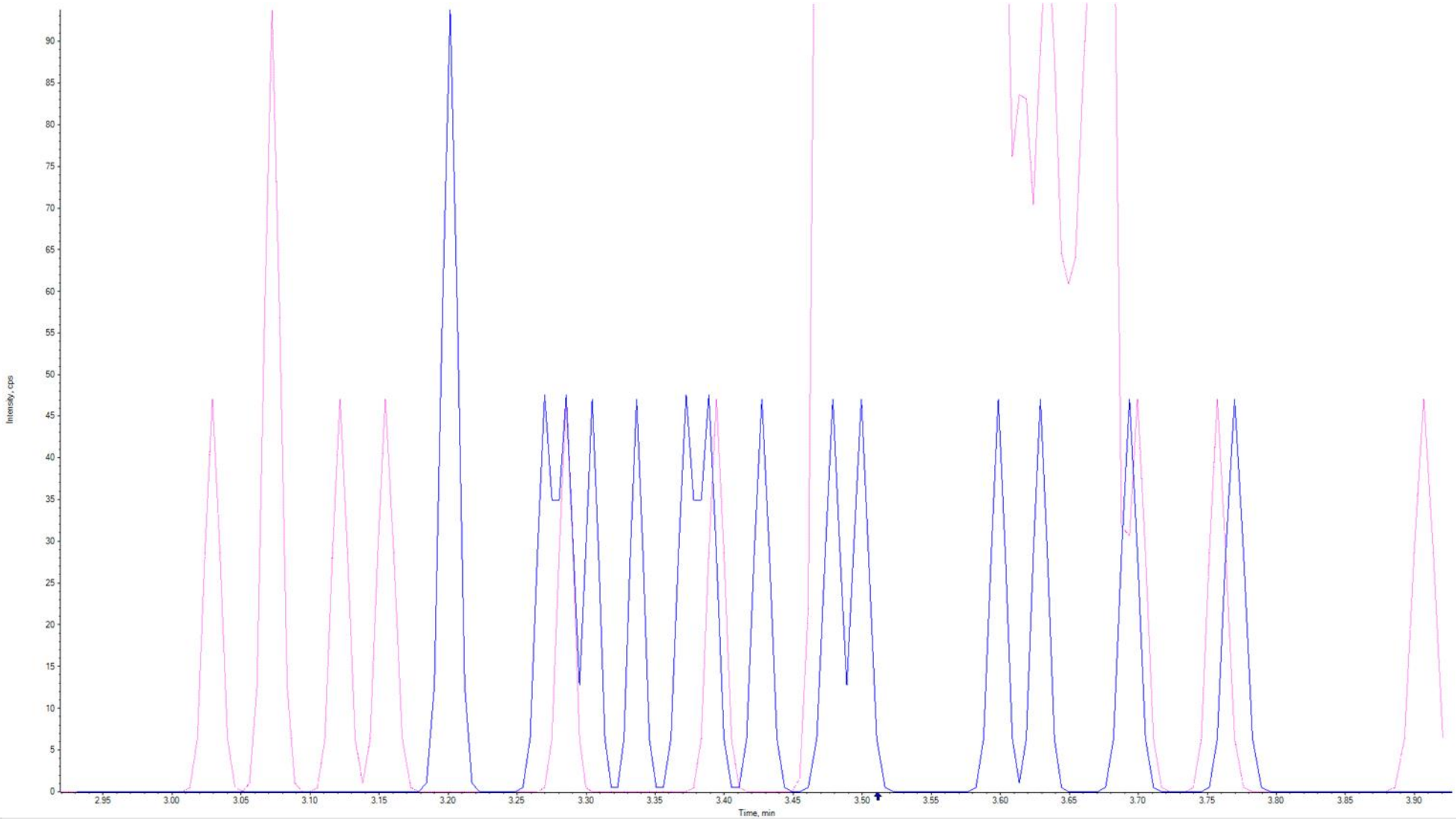
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PFNA
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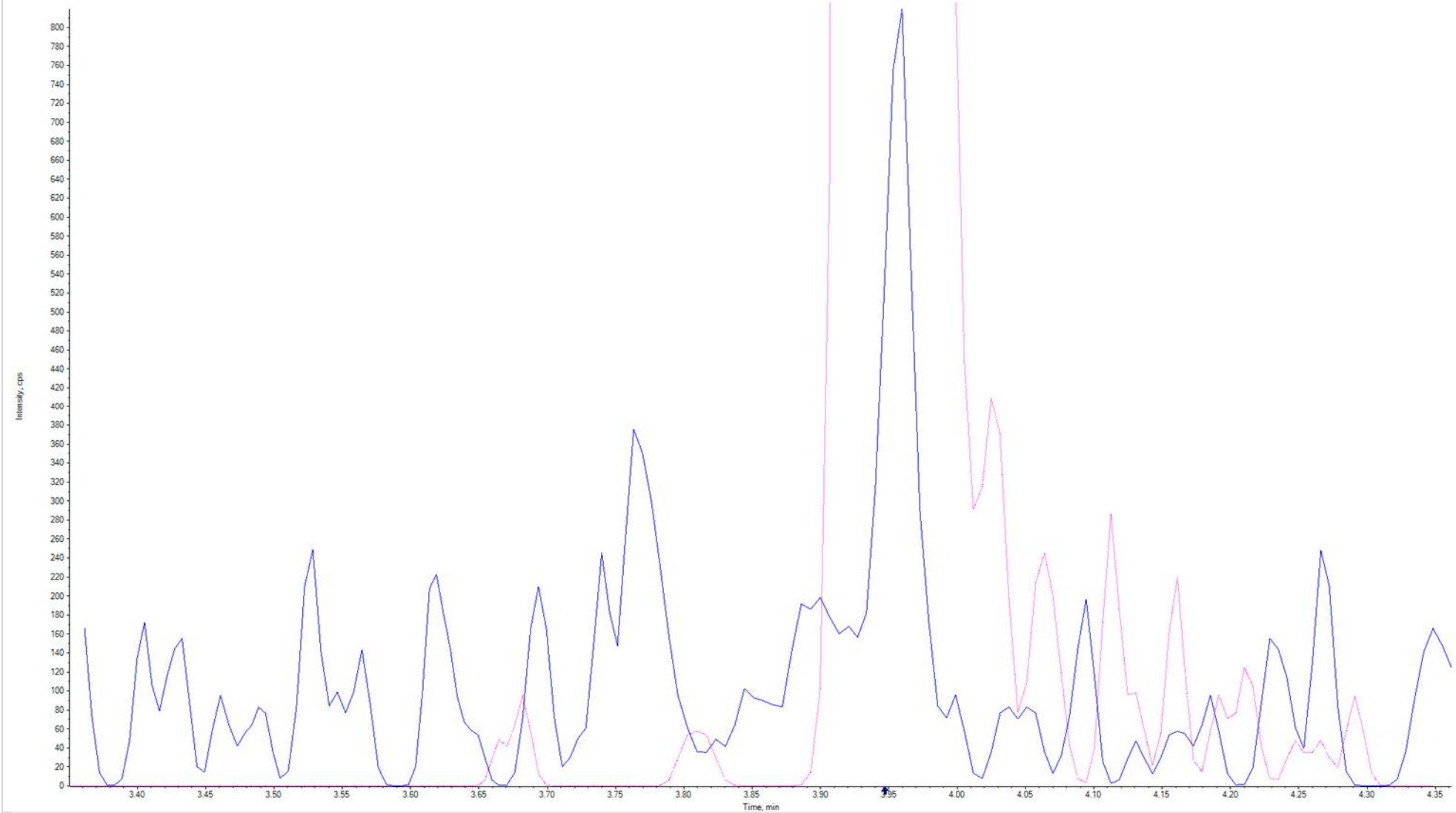
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PFNA_2
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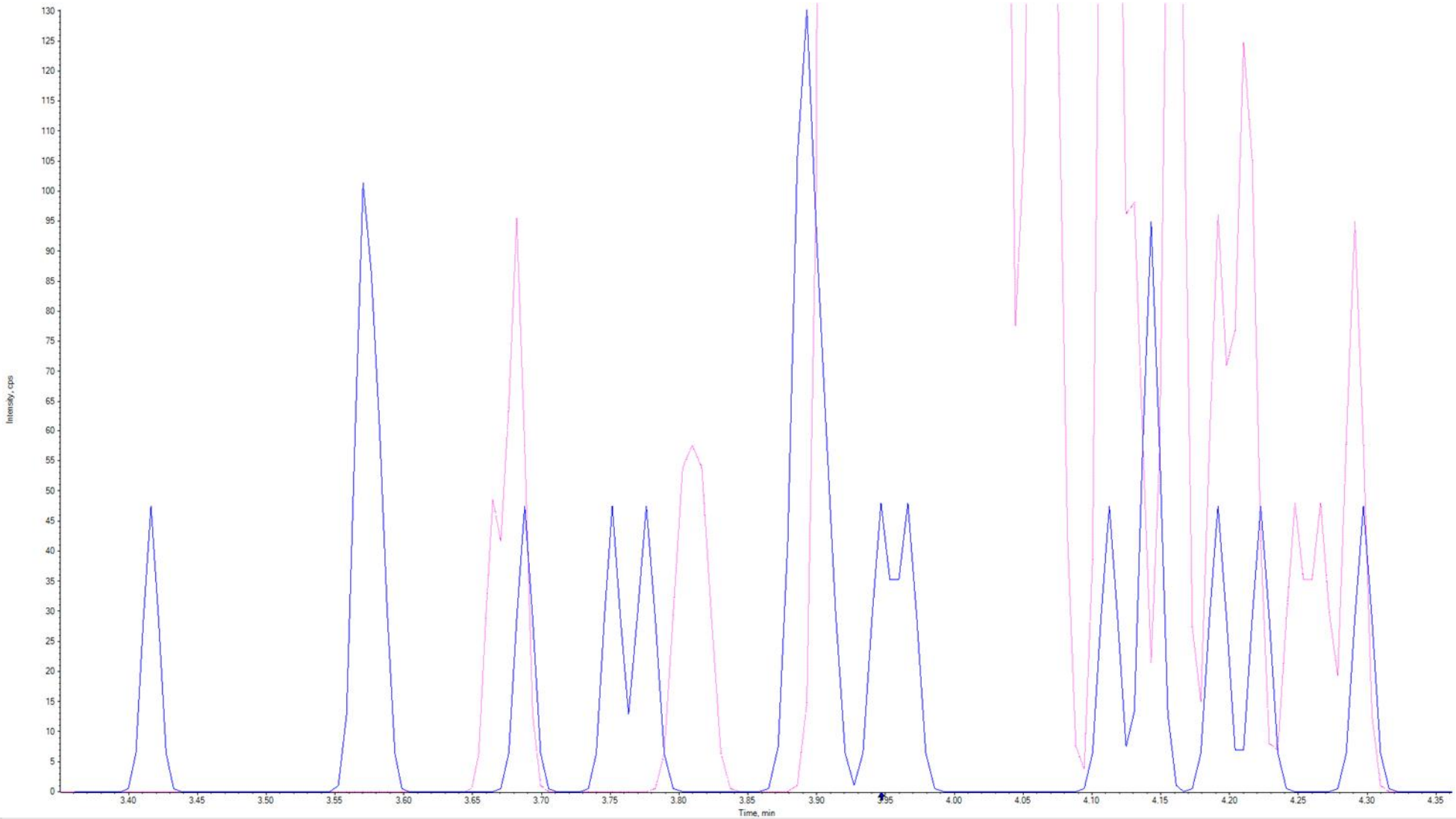


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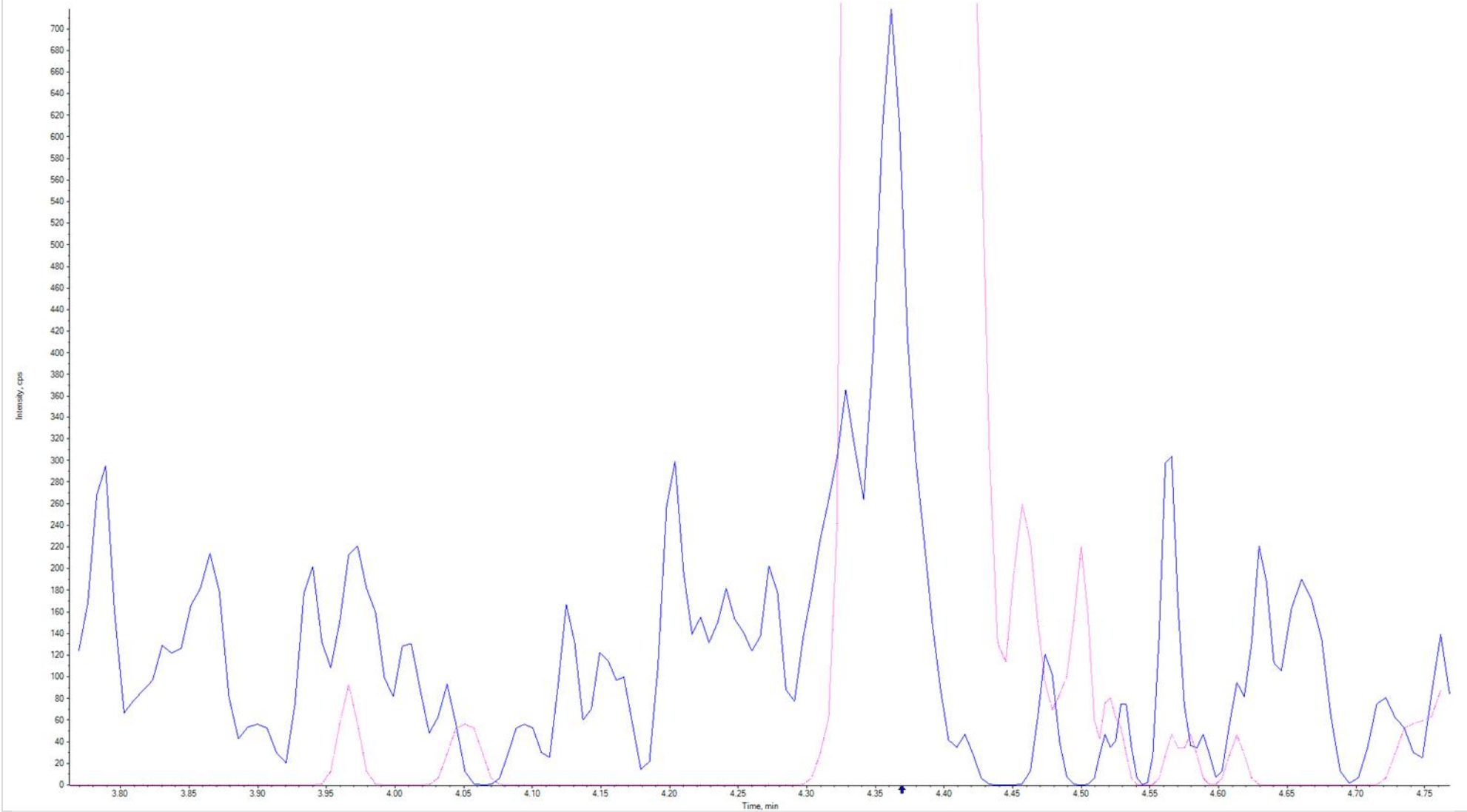
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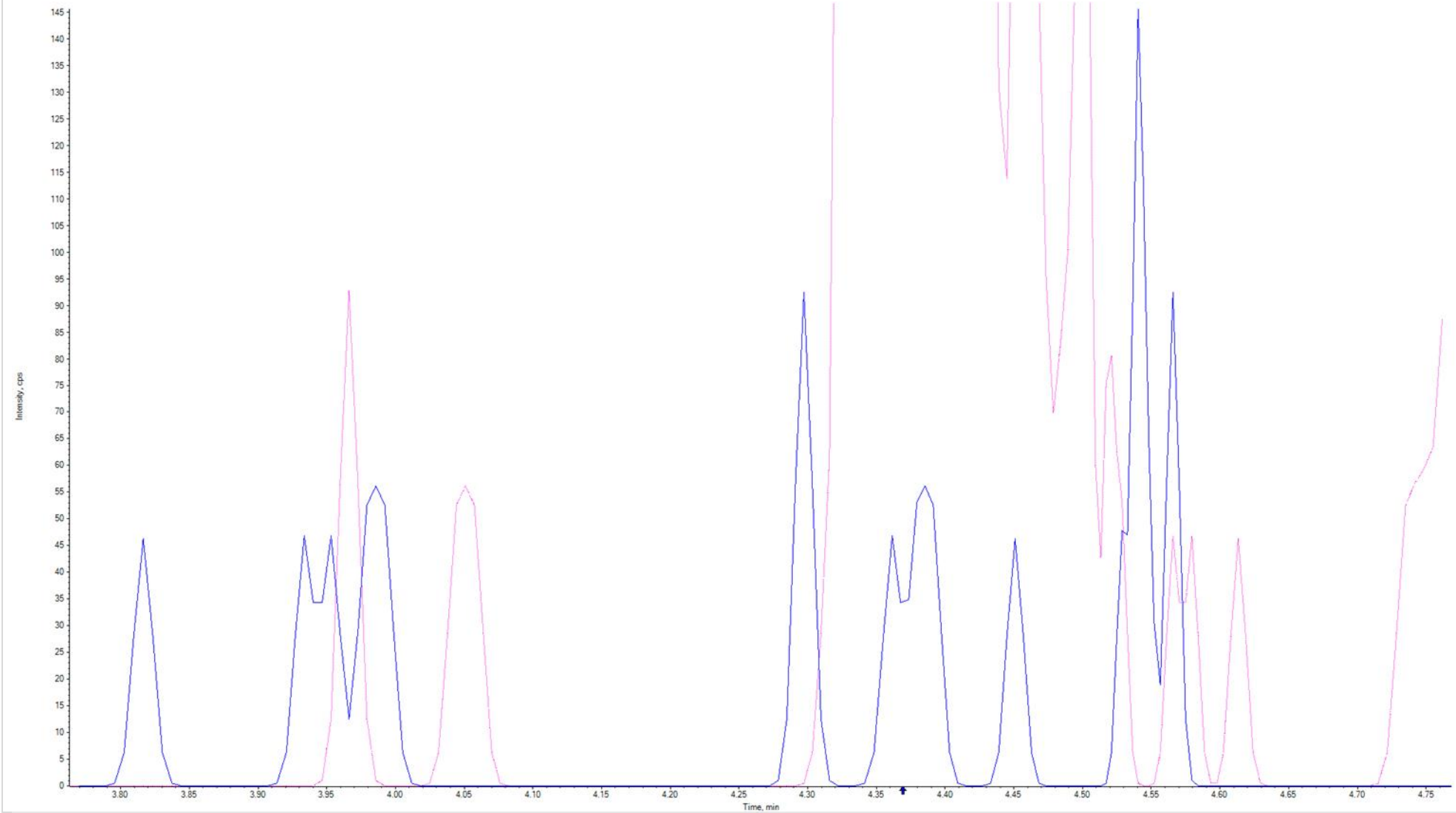
PFDA_2
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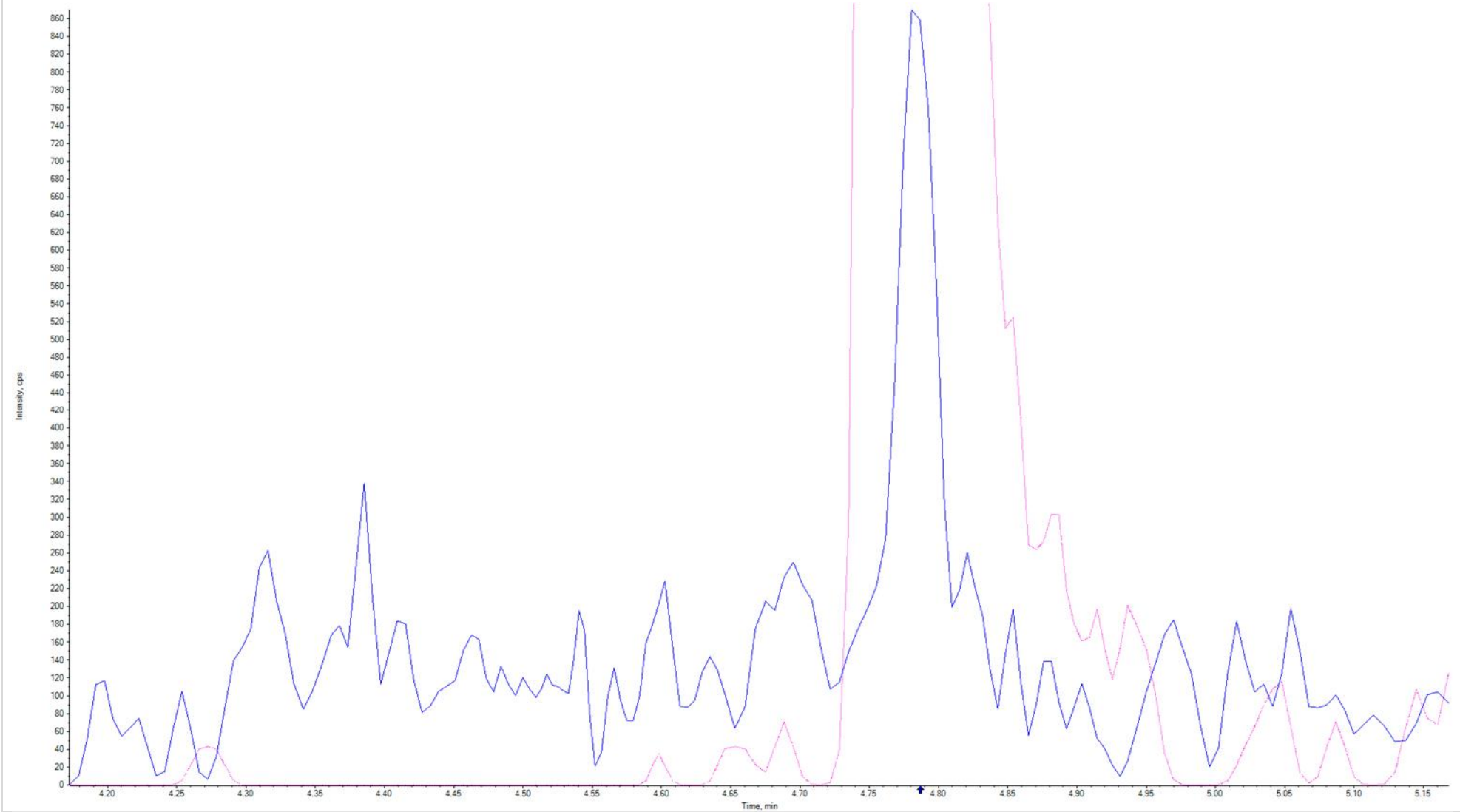
PFUnA
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PFUnA_2
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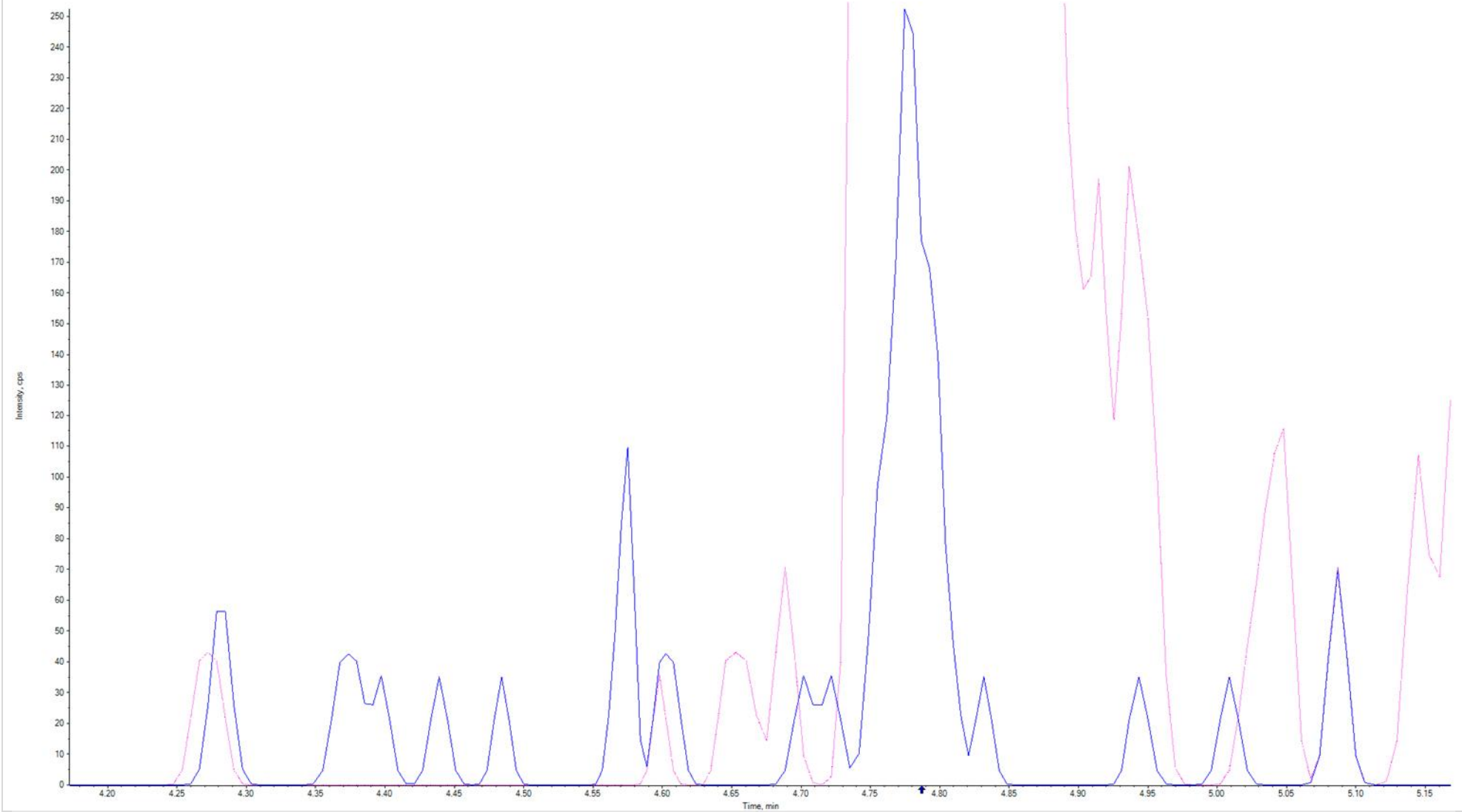


PFDoA
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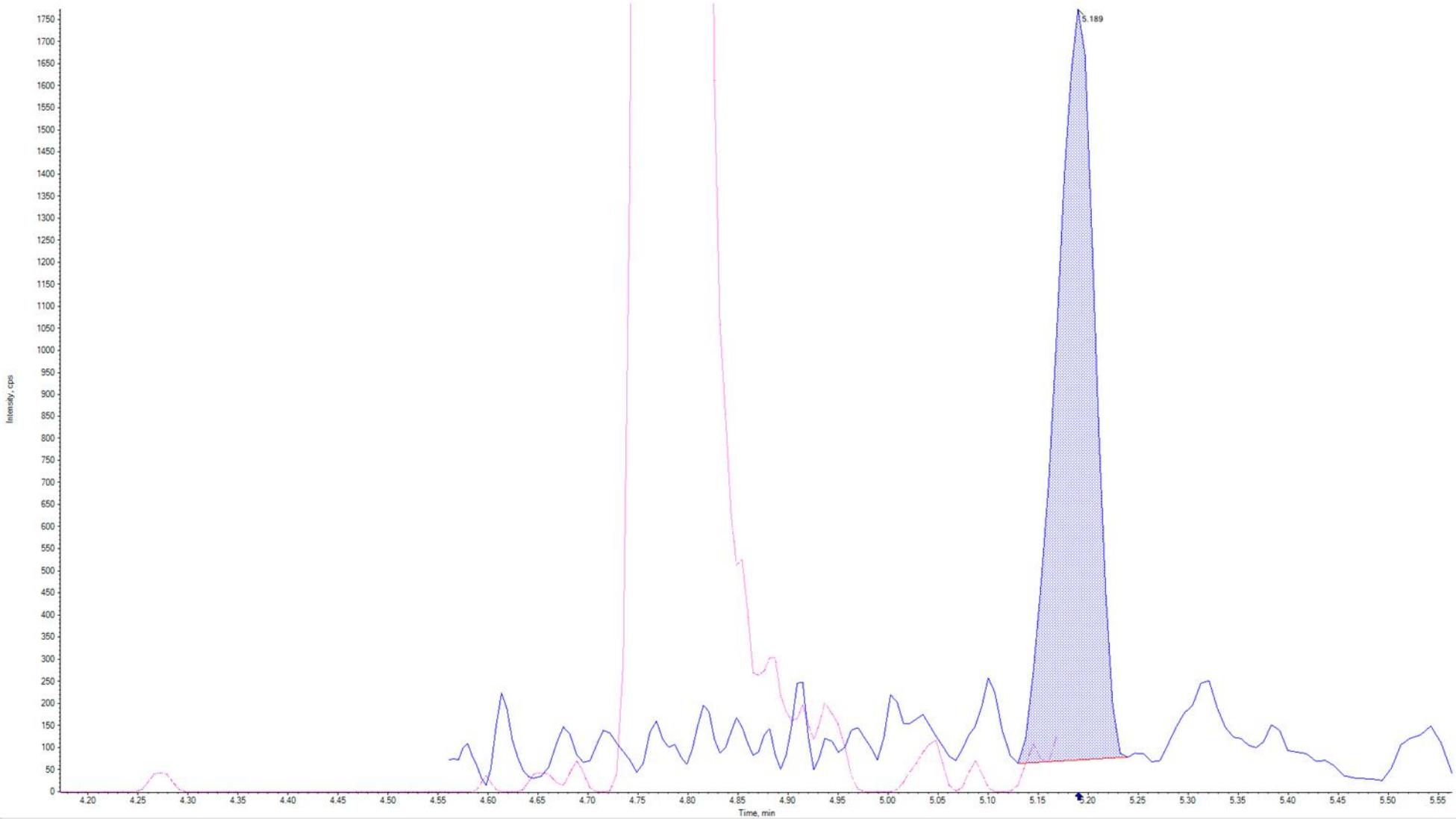
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PFDoA_2
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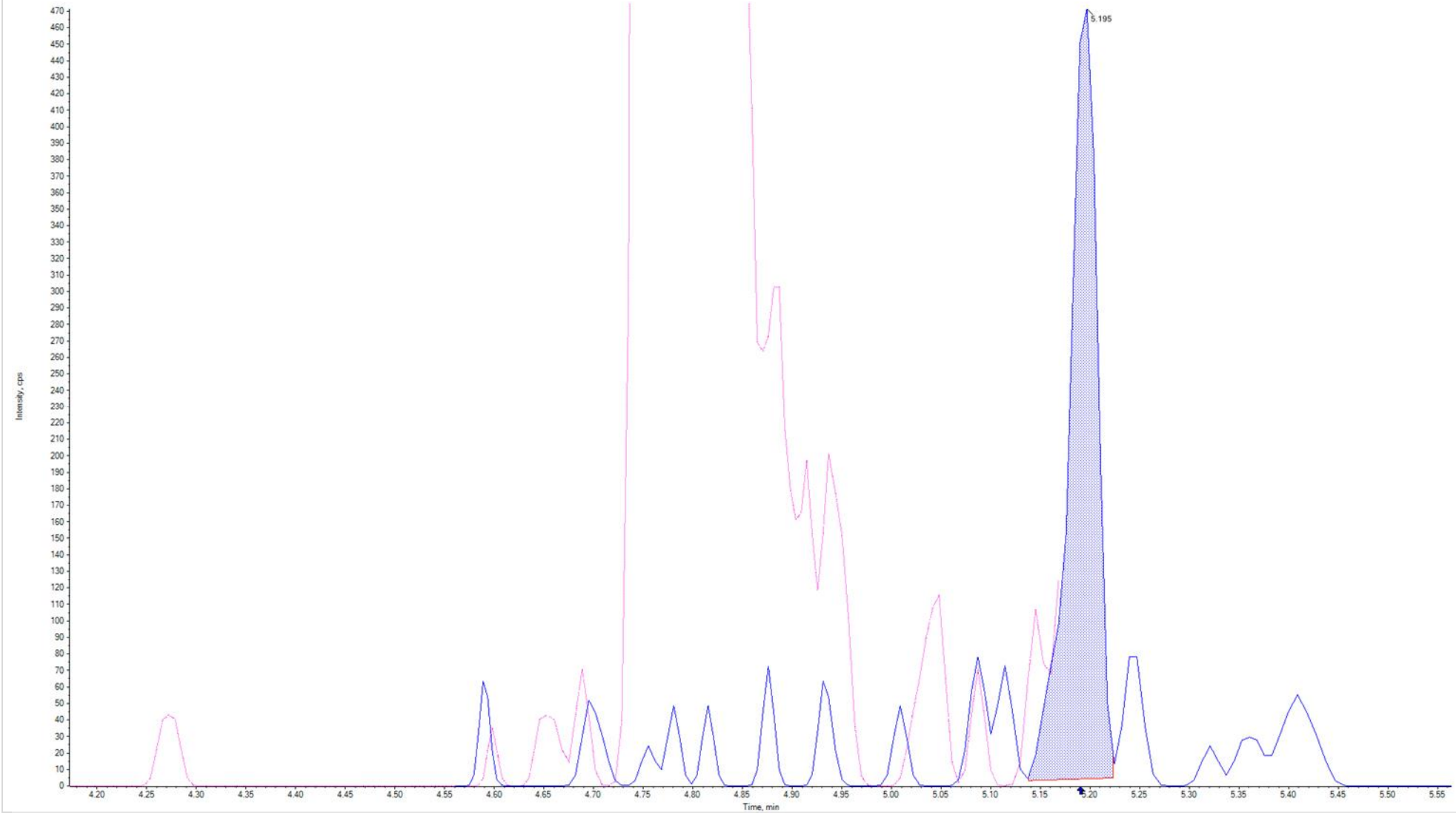
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PFTrDA
Sample: WG2009822-2,INSTBLNK S/N:68.2 Points Across peak:16



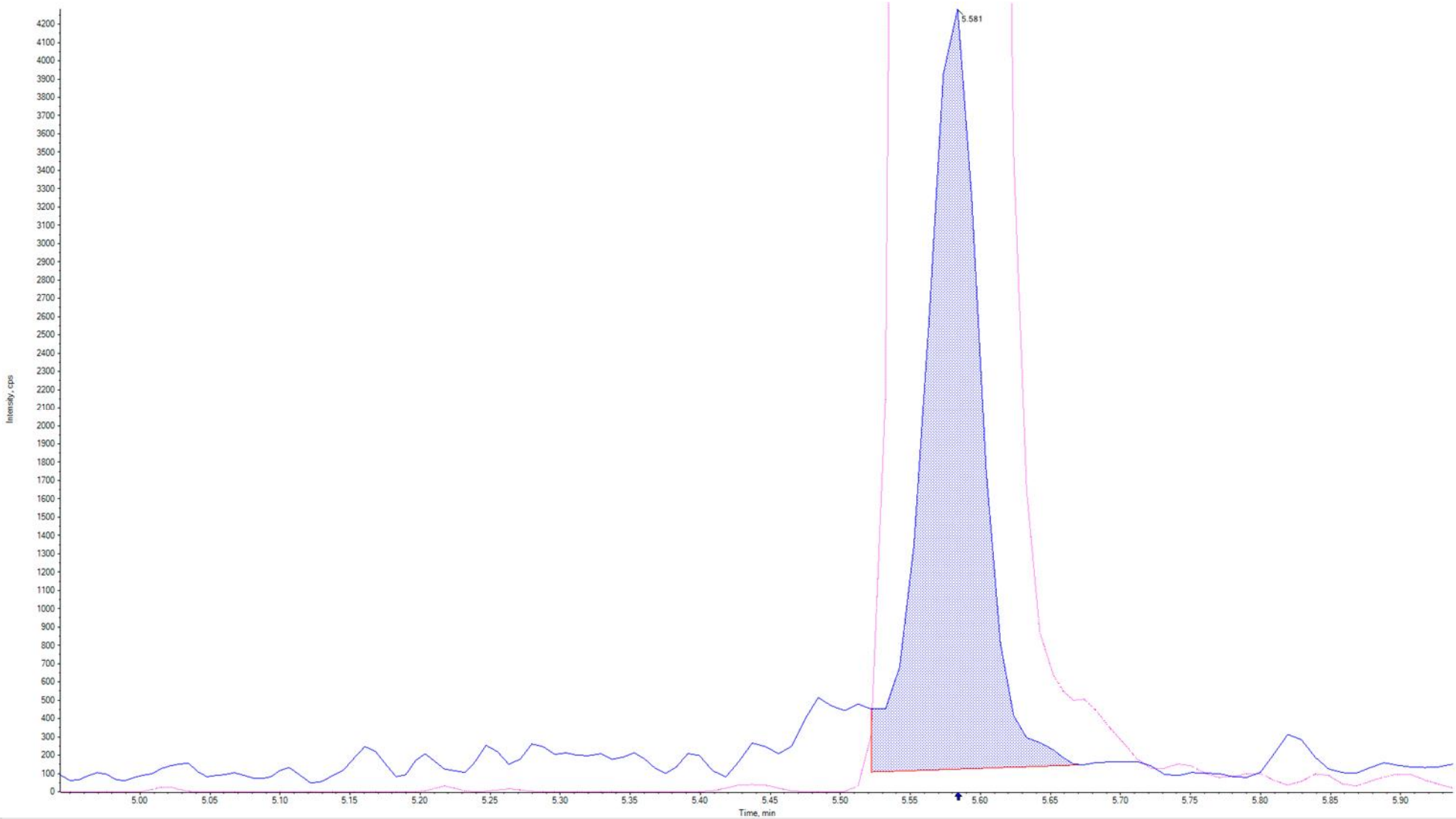
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PFTrDA_2
Sample: WG2009822-2,INSTBLNK S/N:18.7 Points Across peak:13



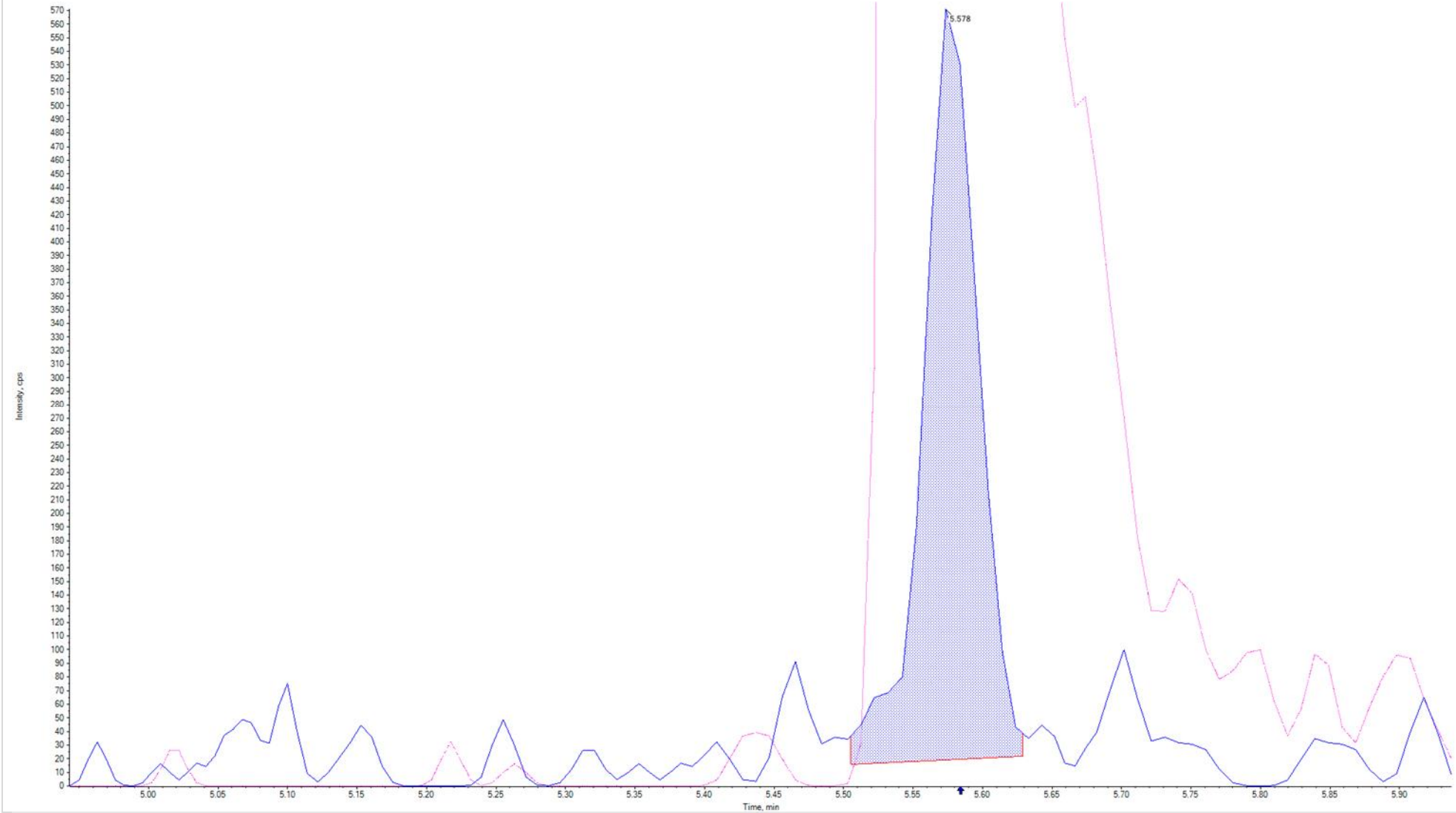
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Alpha Analytical LLC
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PFTeDA
Sample: WG2009822-2,INSTBLNK S/N:188.0 Points Across peak:17



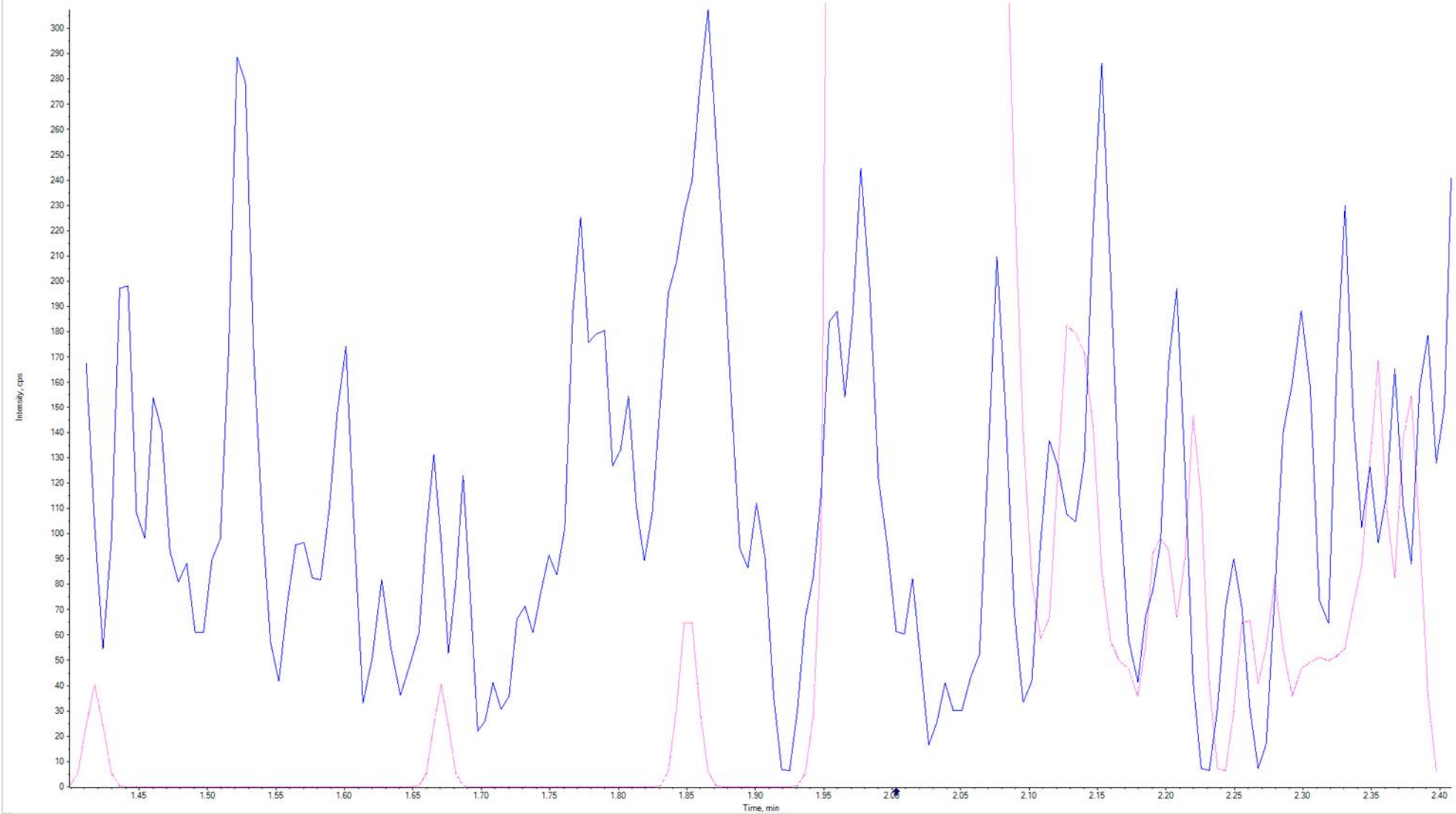
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PFTeDA_2
Sample: WG2009822-2,INSTBLNK S/N:34.6 Points Across peak:14

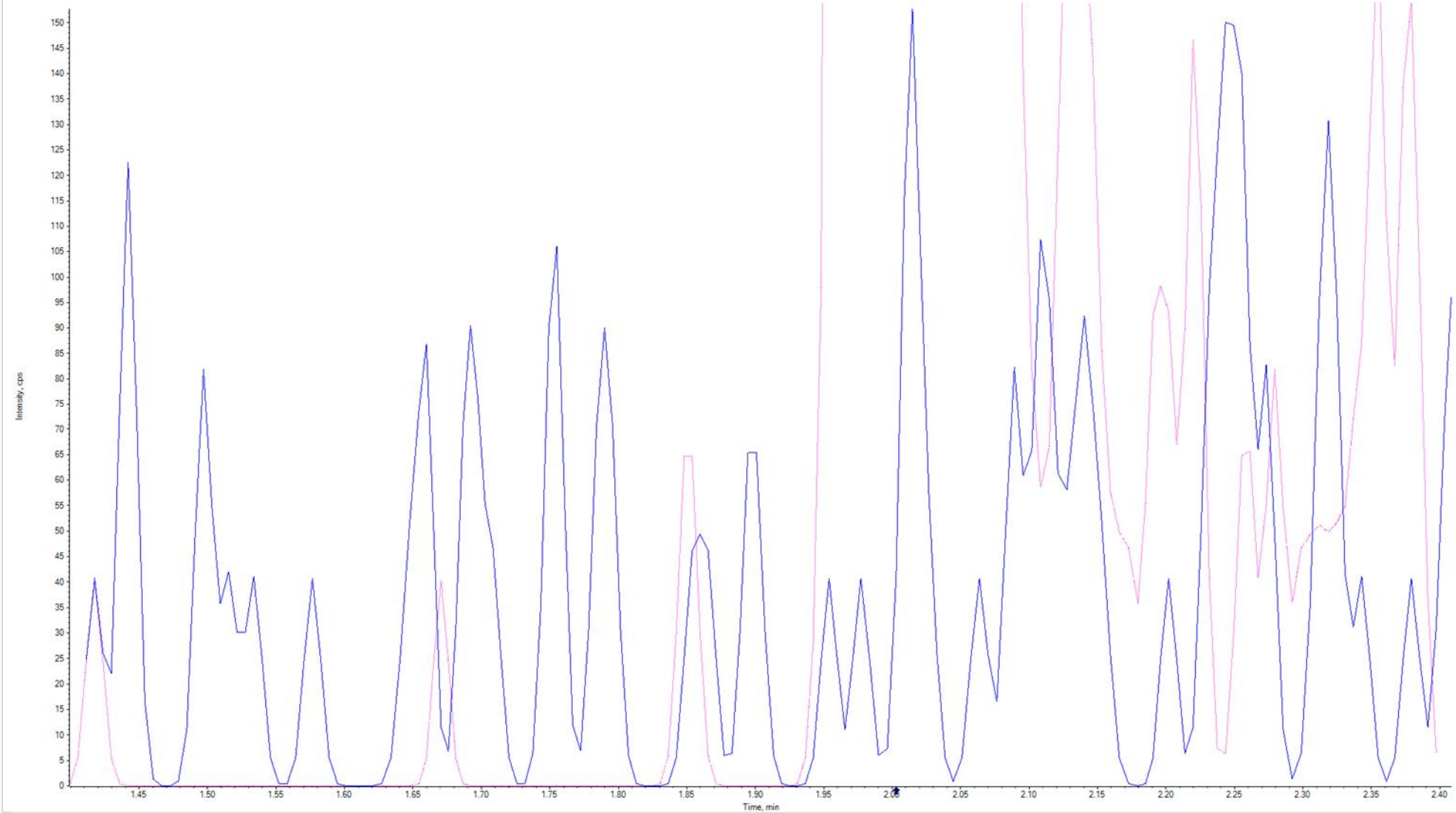


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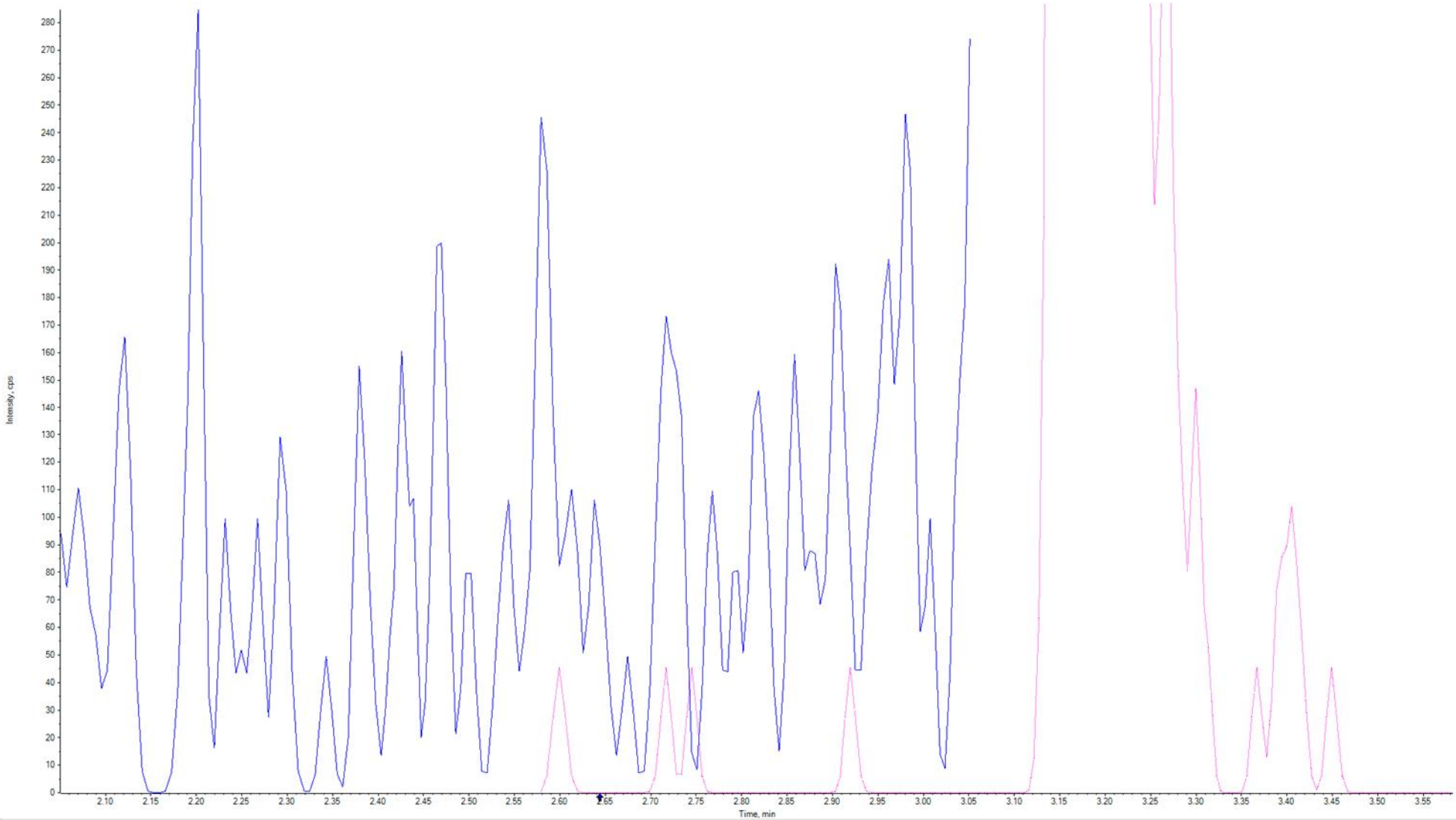
PFBS
Sample: WG2009822-2,INSTBLNK S/N:N/A Points Across peak:N/A



PFBS_2
Sample: WG2009822-2,INSTBLNK S/N:N/A Points Across peak:N/A

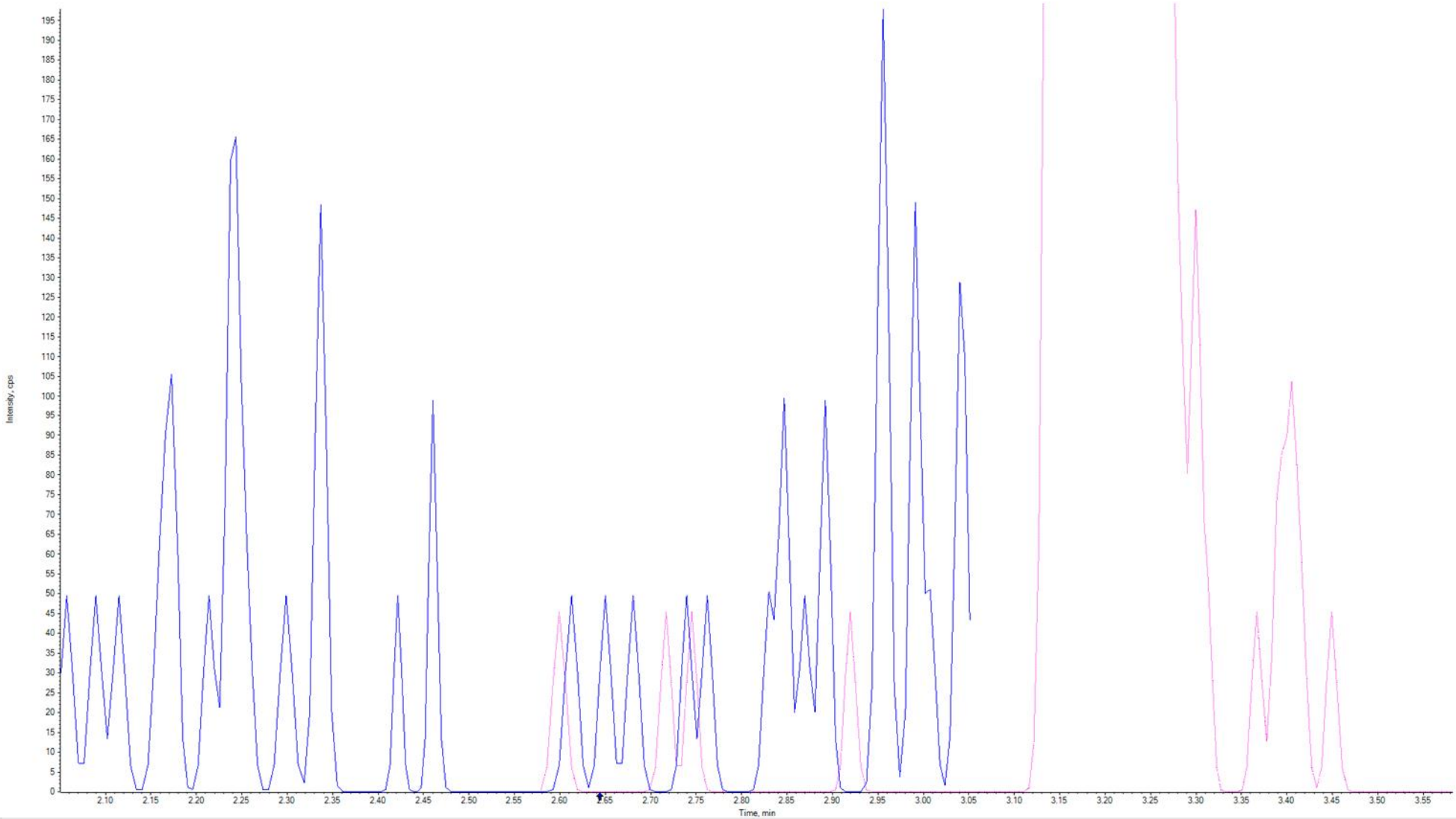


PFPeS
Sample: WG2009822-2,INSTBLNK S/N:N/A Points Across peak:N/A

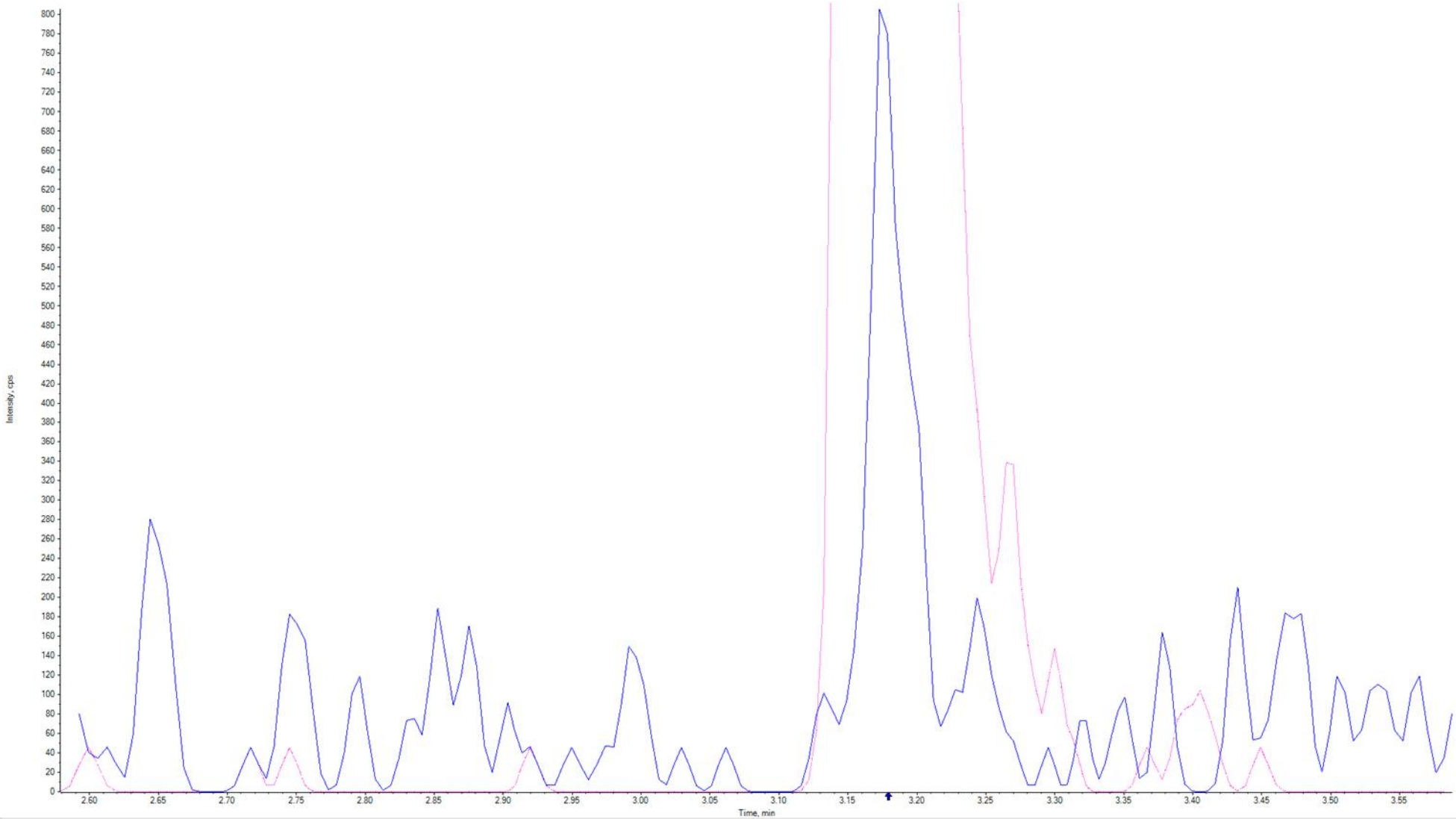


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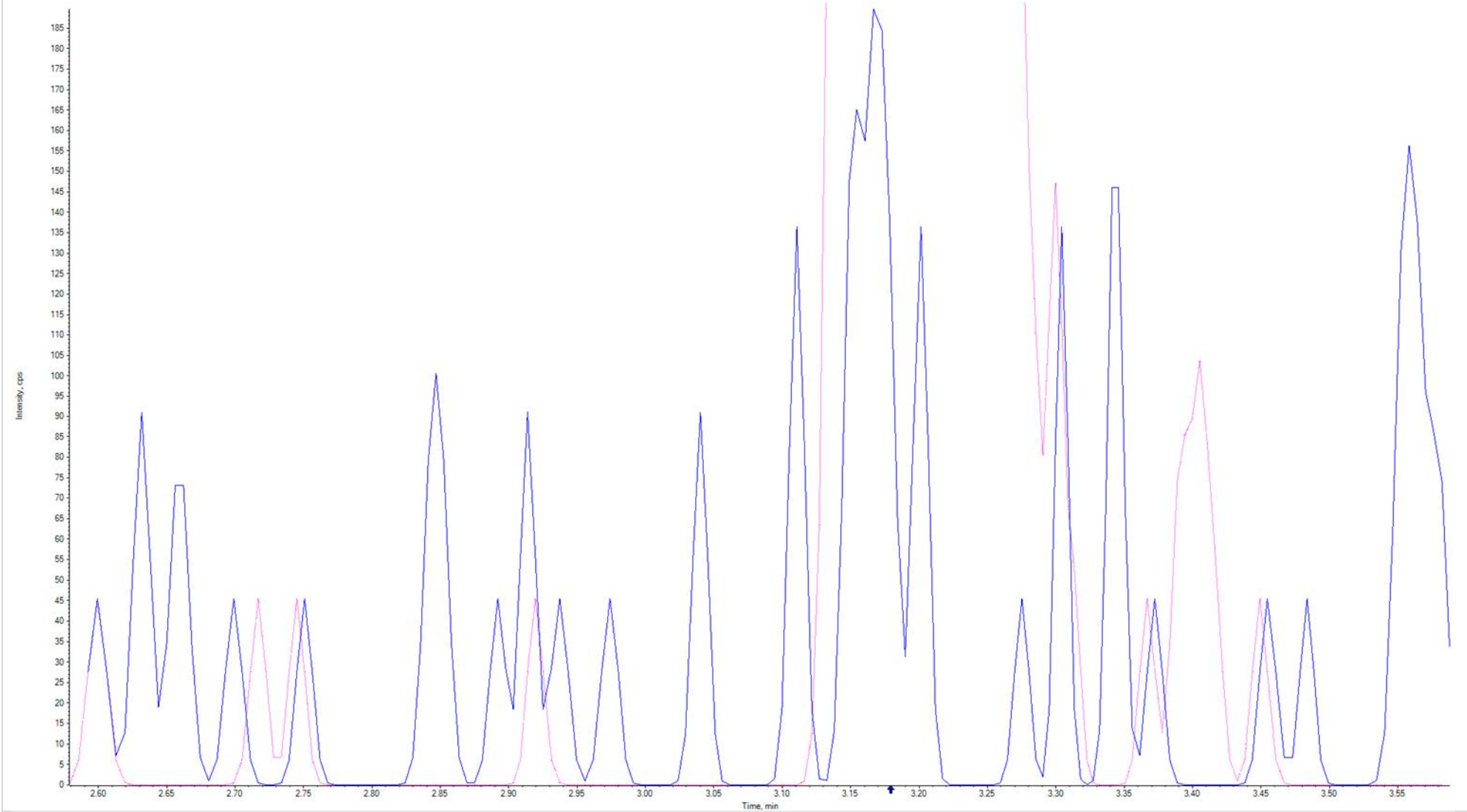
PFPeS_2
Sample: WG2009822-2,INSTBLNK S/N:N/A Points Across peak:N/A



PFHxS
Sample: WG2009822-2,INSTBLNK S/N:N/A Points Across peak:N/A

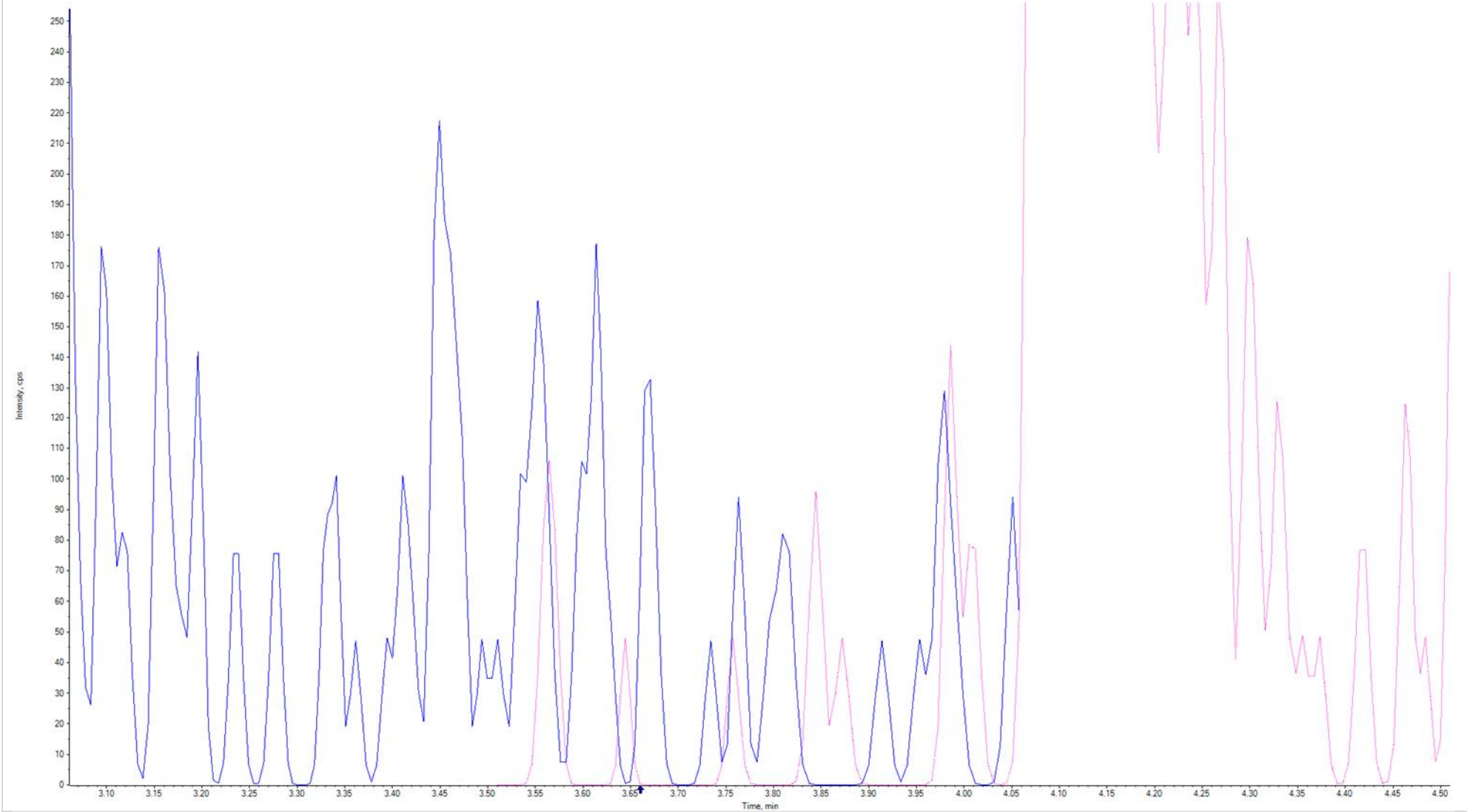


PFHxS_2
Sample: WG2009822-2,INSTBLNK S/N:N/A Points Across peak:N/A



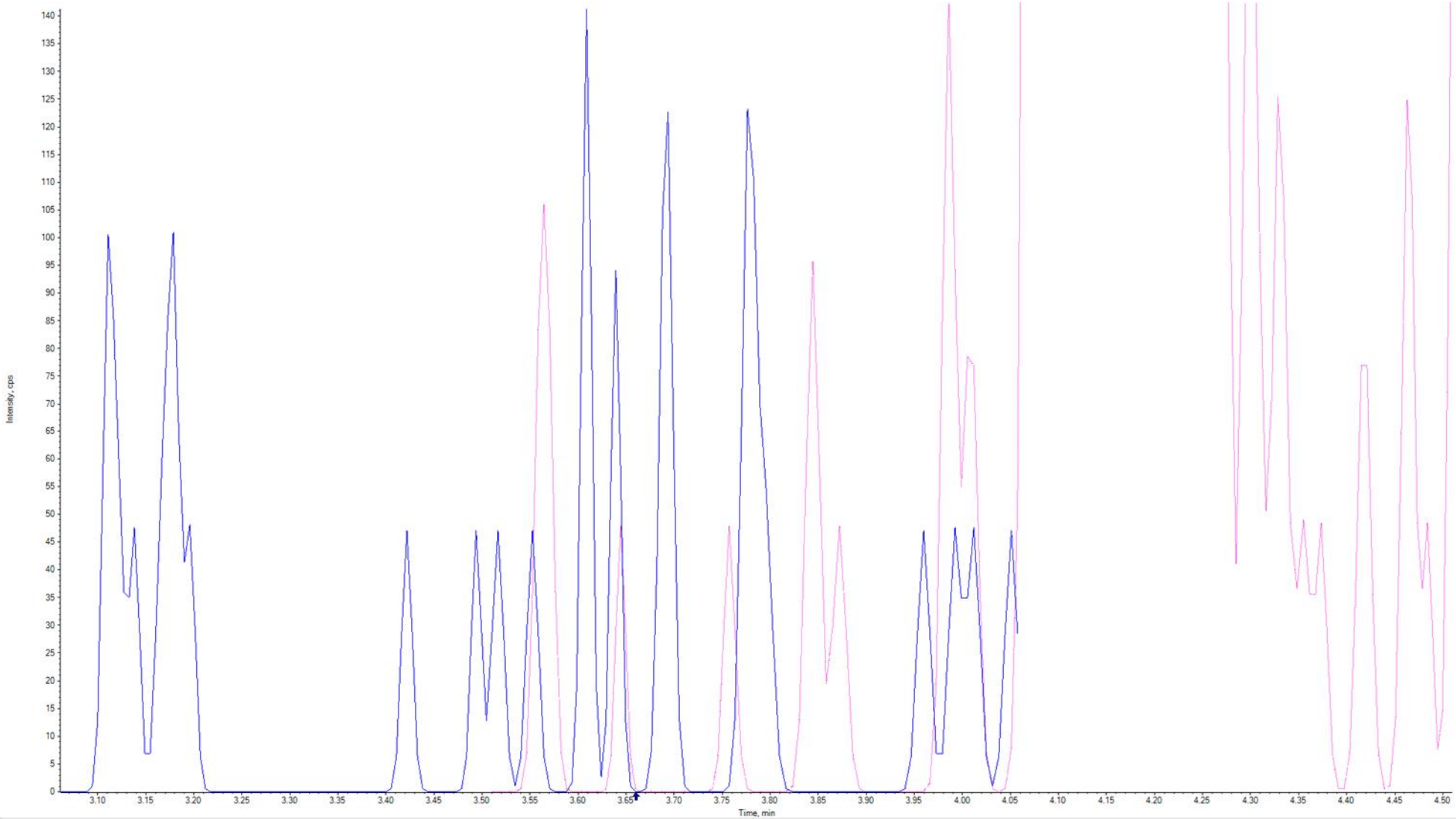
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Alpha Analytical LLC
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PFHpS
Sample: WG2009822-2,INSTBLNK S/N:N/A Points Across peak:N/A



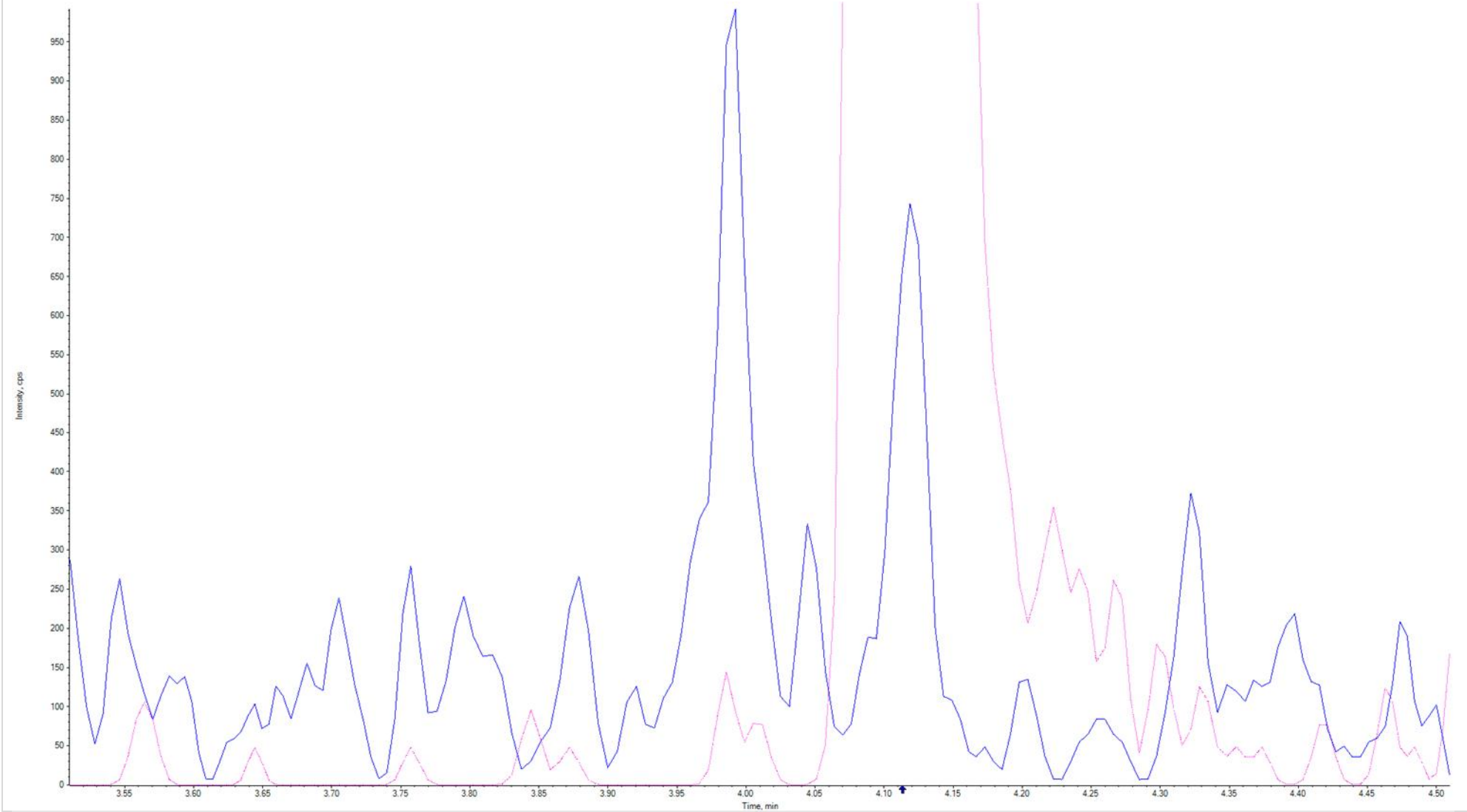
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PFHpS_2
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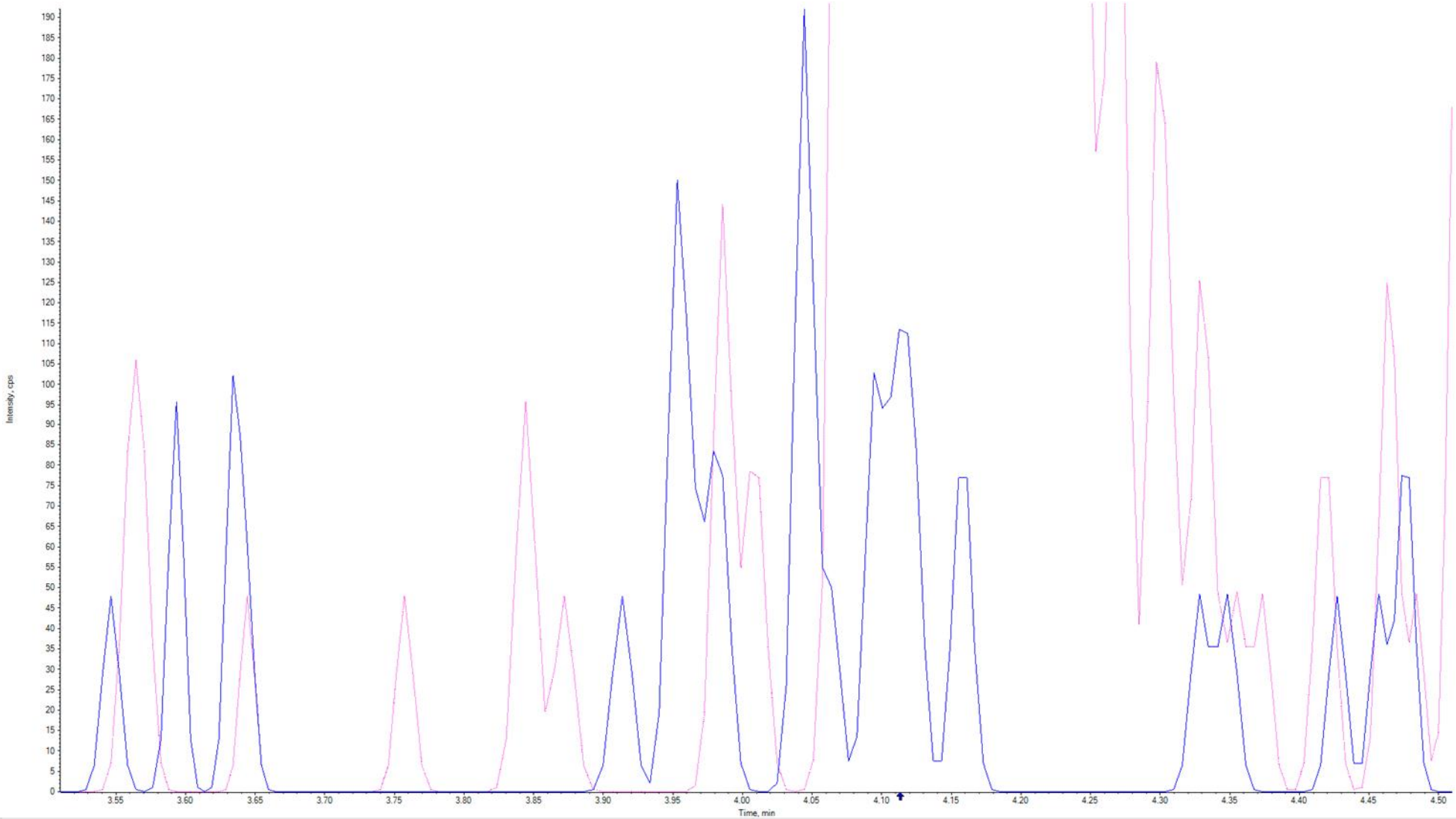
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Alpha Analytical LLC
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PFOS
Sample: WG2009822-2,INSTBLNK S/N:N/A Points Across peak:N/A



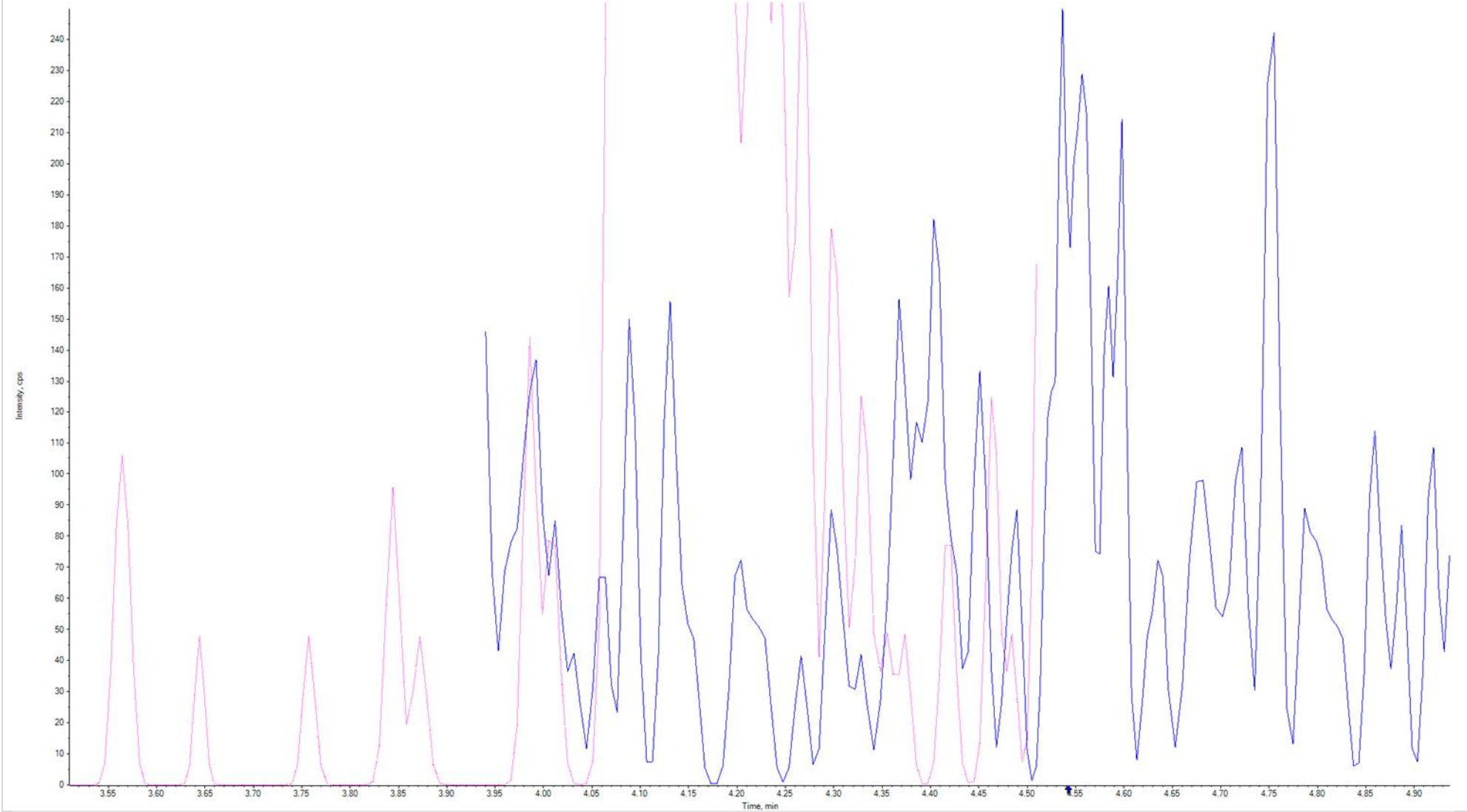
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PFOS_2
Sample: WG2009822-2,INSTBLNK S/N:N/A Points Across peak:N/A



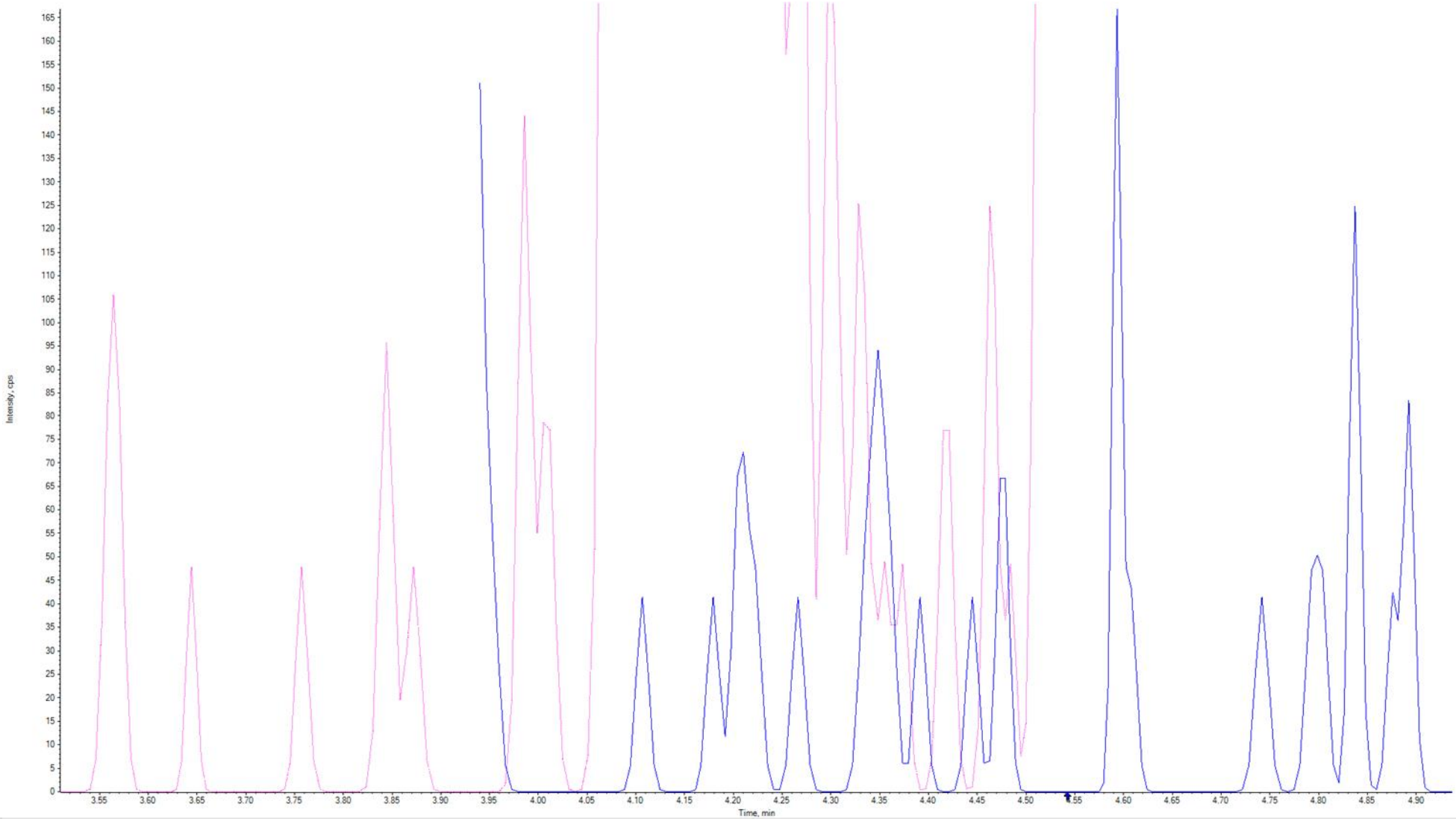
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PFNS
Sample: WG2009822-2,INSTBLNK S/N:N/A Points Across peak:N/A



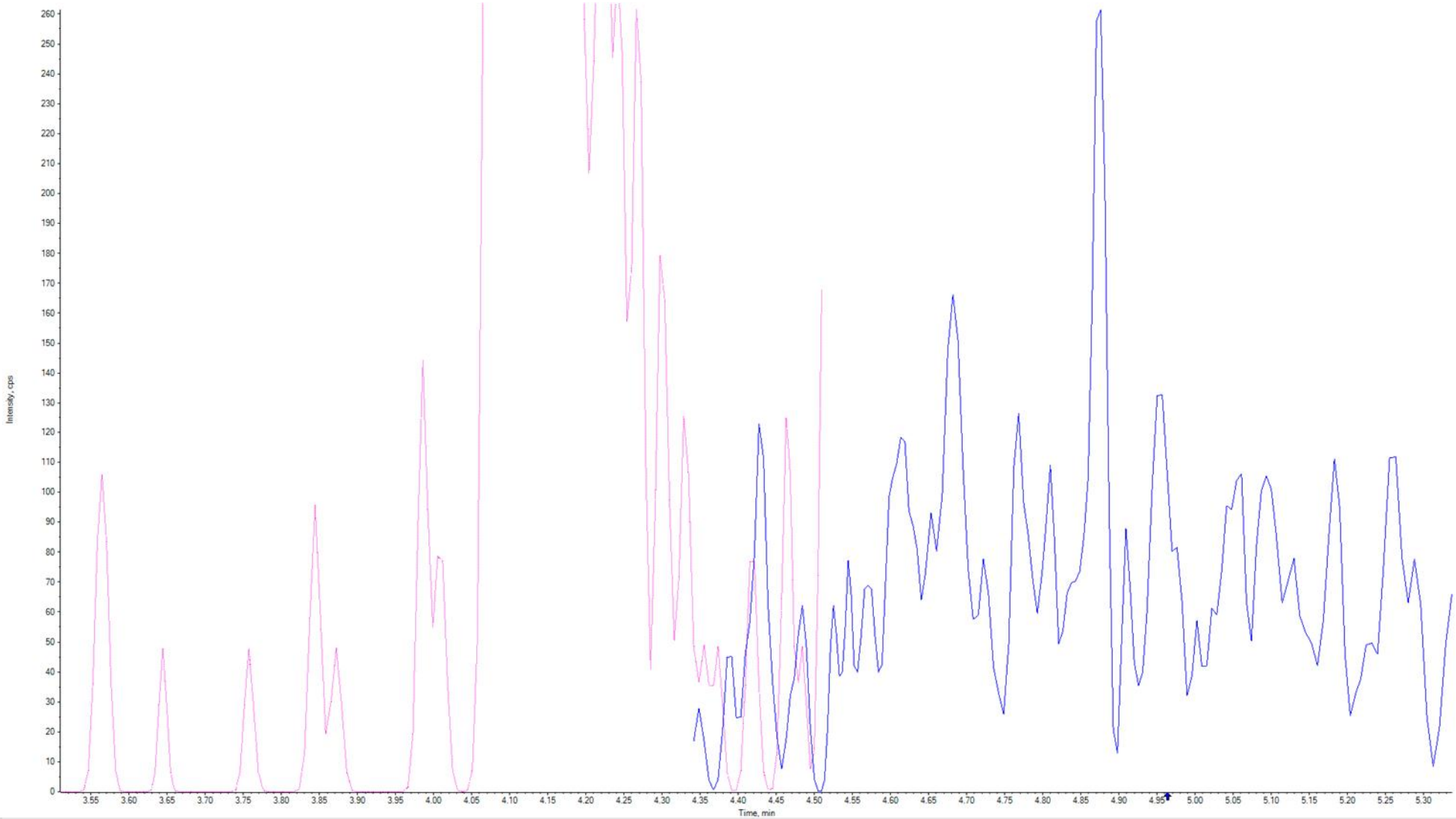
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PFNS_2
Sample: WG2009822-2,INSTBLNK S/N:N/A Points Across peak:N/A



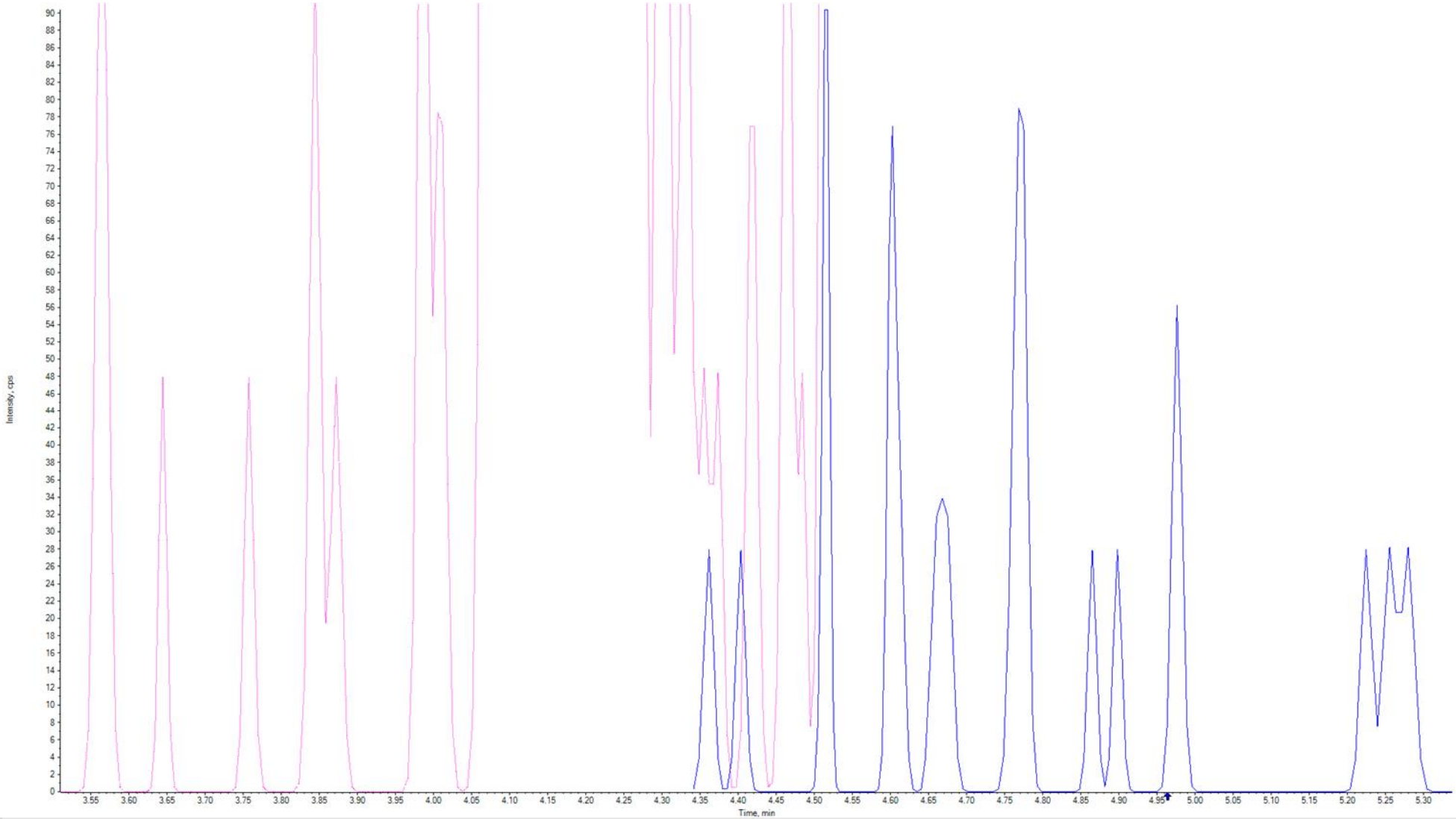
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PFDS
Sample: WG2009822-2,INSTBLNK S/N:N/A Points Across peak:N/A



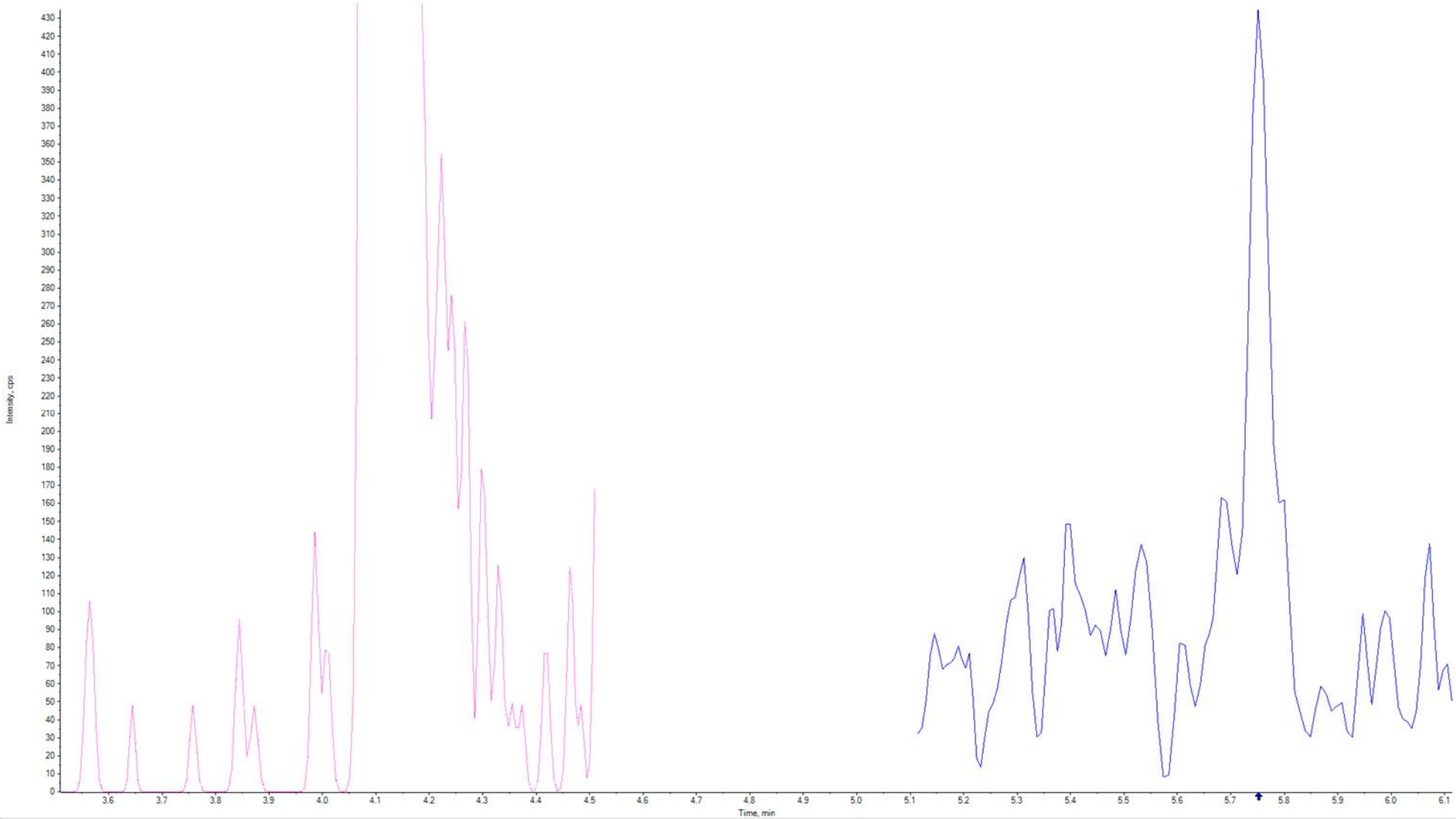
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PFDS_2
Sample: WG2009822-2,INSTBLNK S/N:N/A Points Across peak:N/A



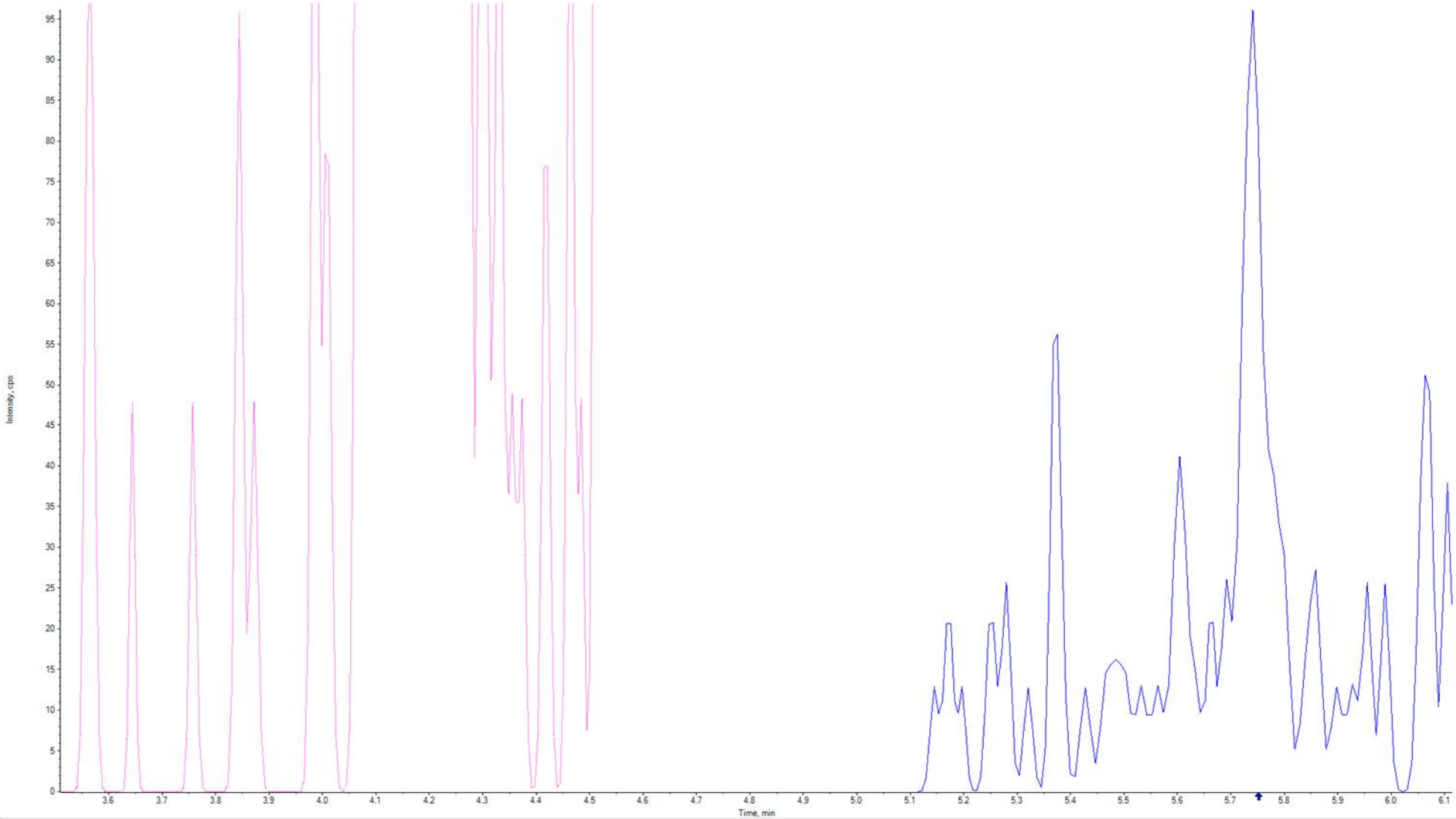
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PFDoS
Sample: WG2009822-2,INSTBLNK S/N:N/A Points Across peak:N/A



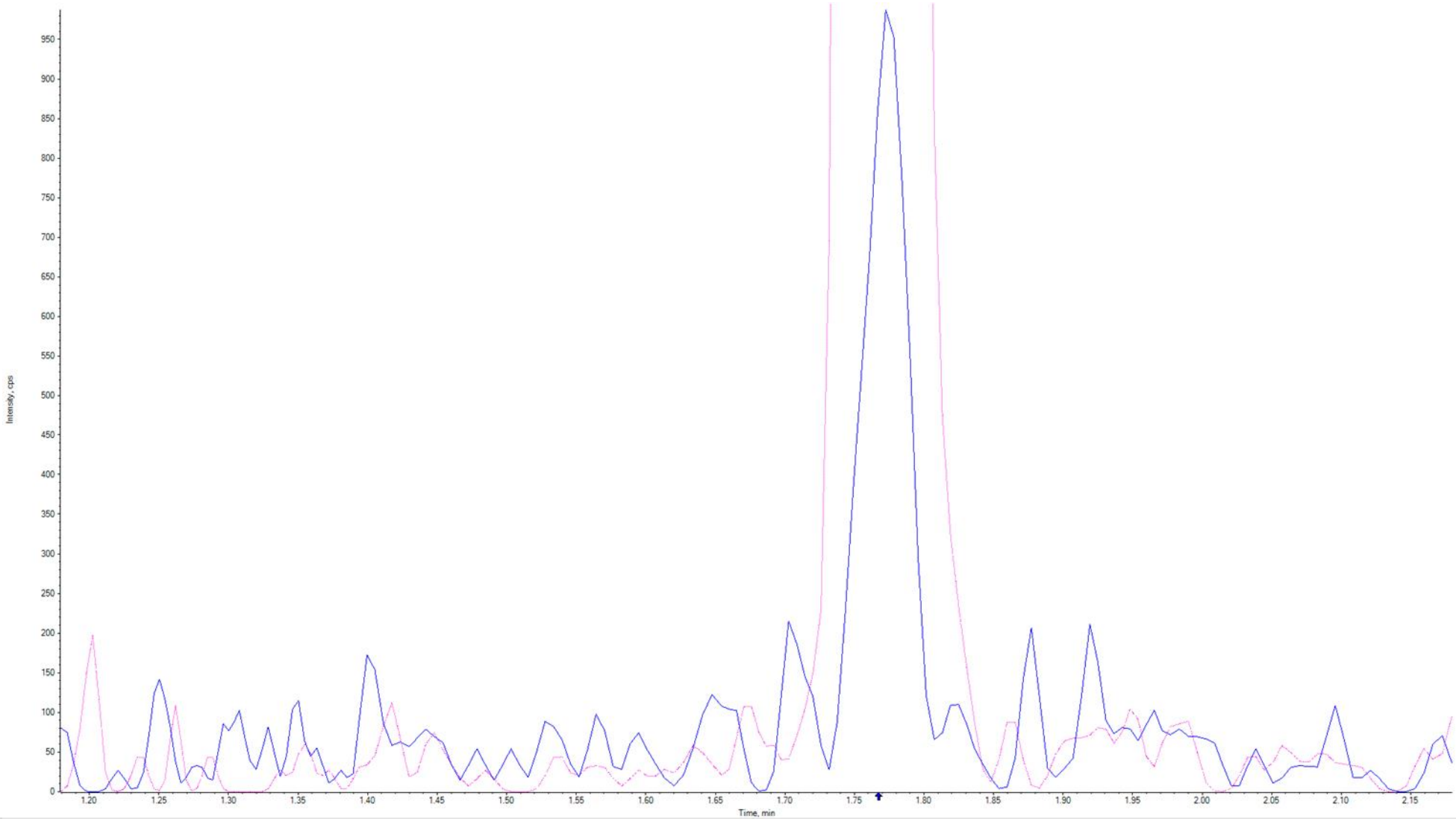
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PFDoS_2
Sample: WG2009822-2,INSTBLNK S/N:N/A Points Across peak:N/A

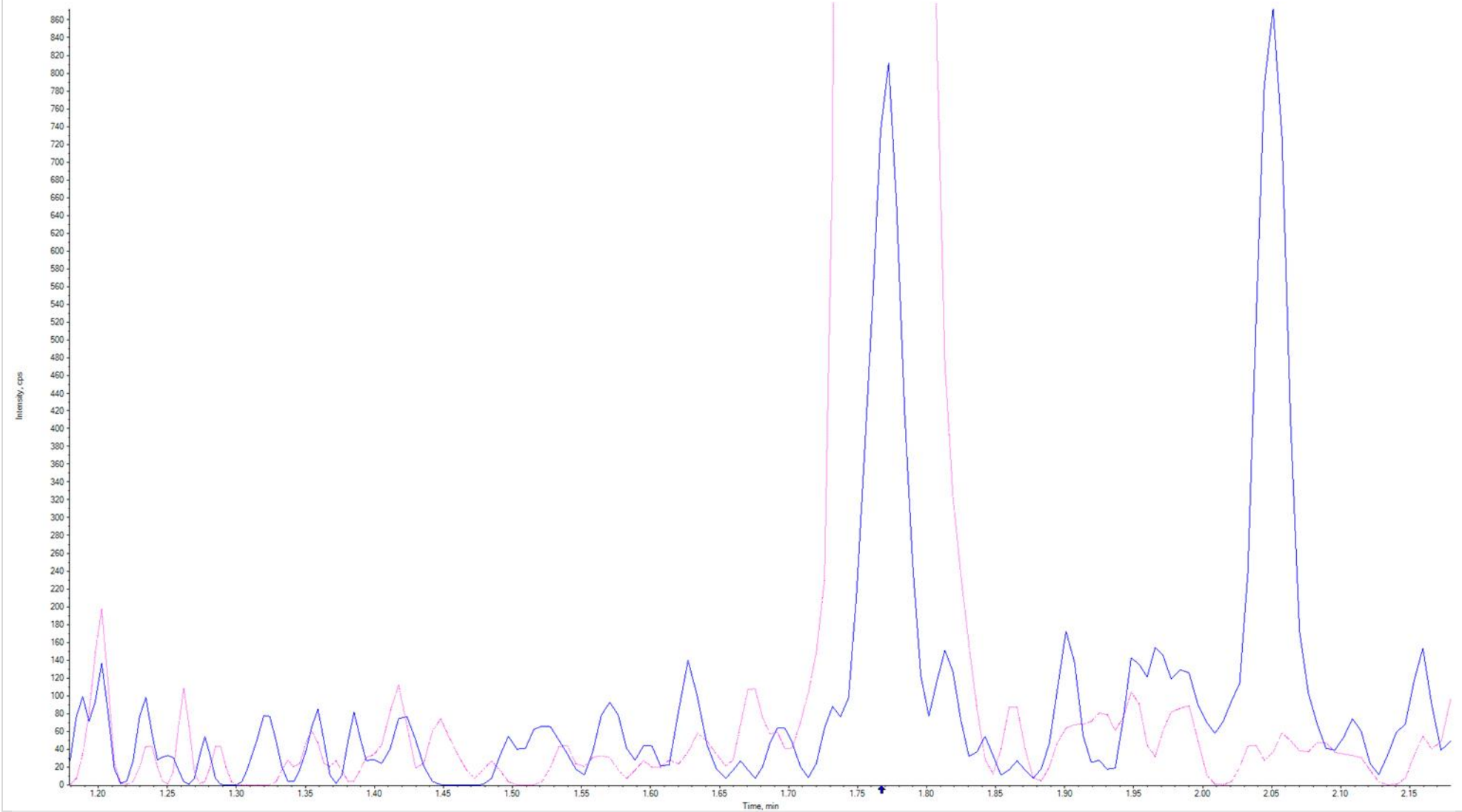


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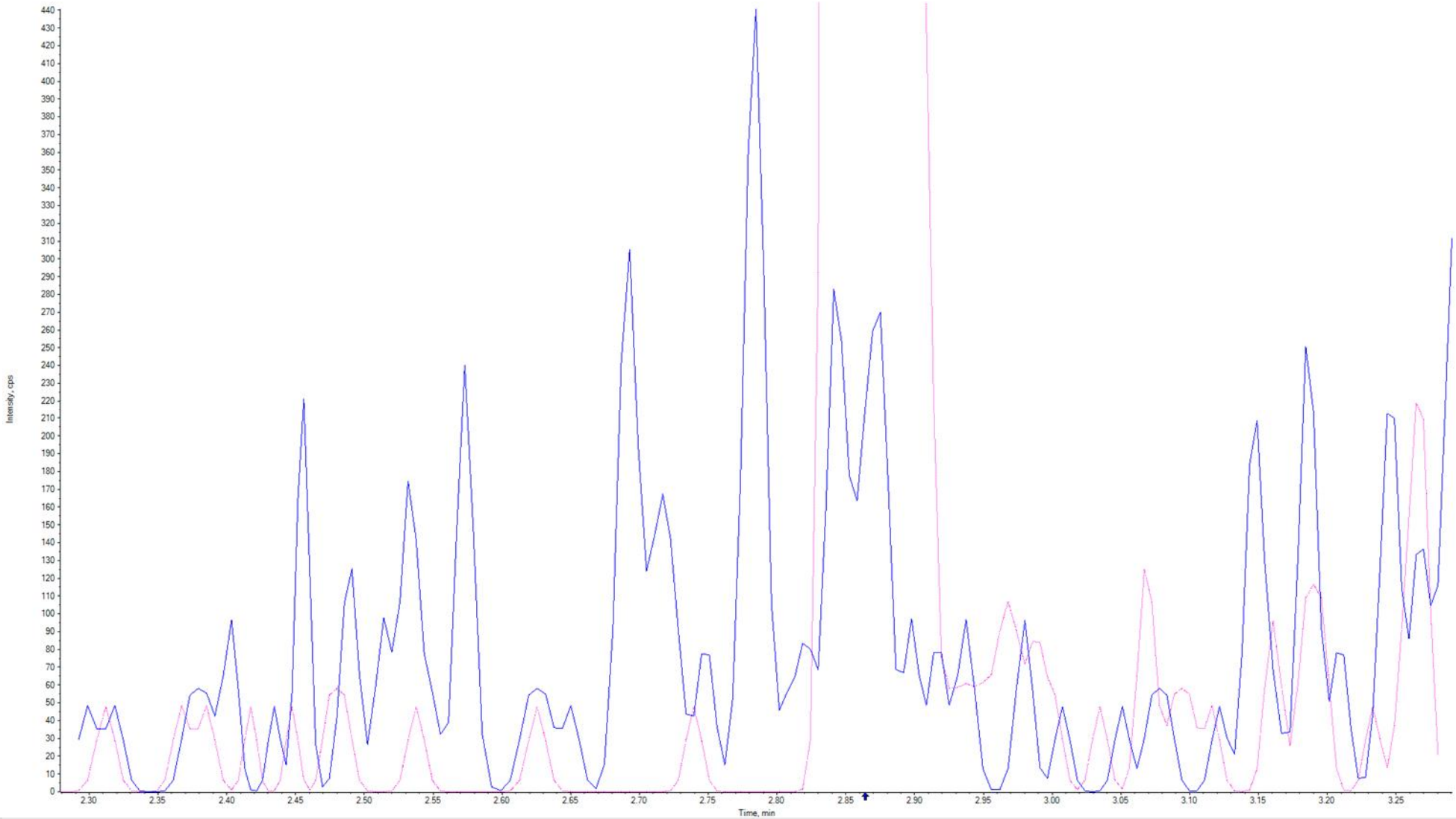
4:2FTS
Sample: WG2009822-2,INSTBLNK S/N:N/A Points Across peak:N/A



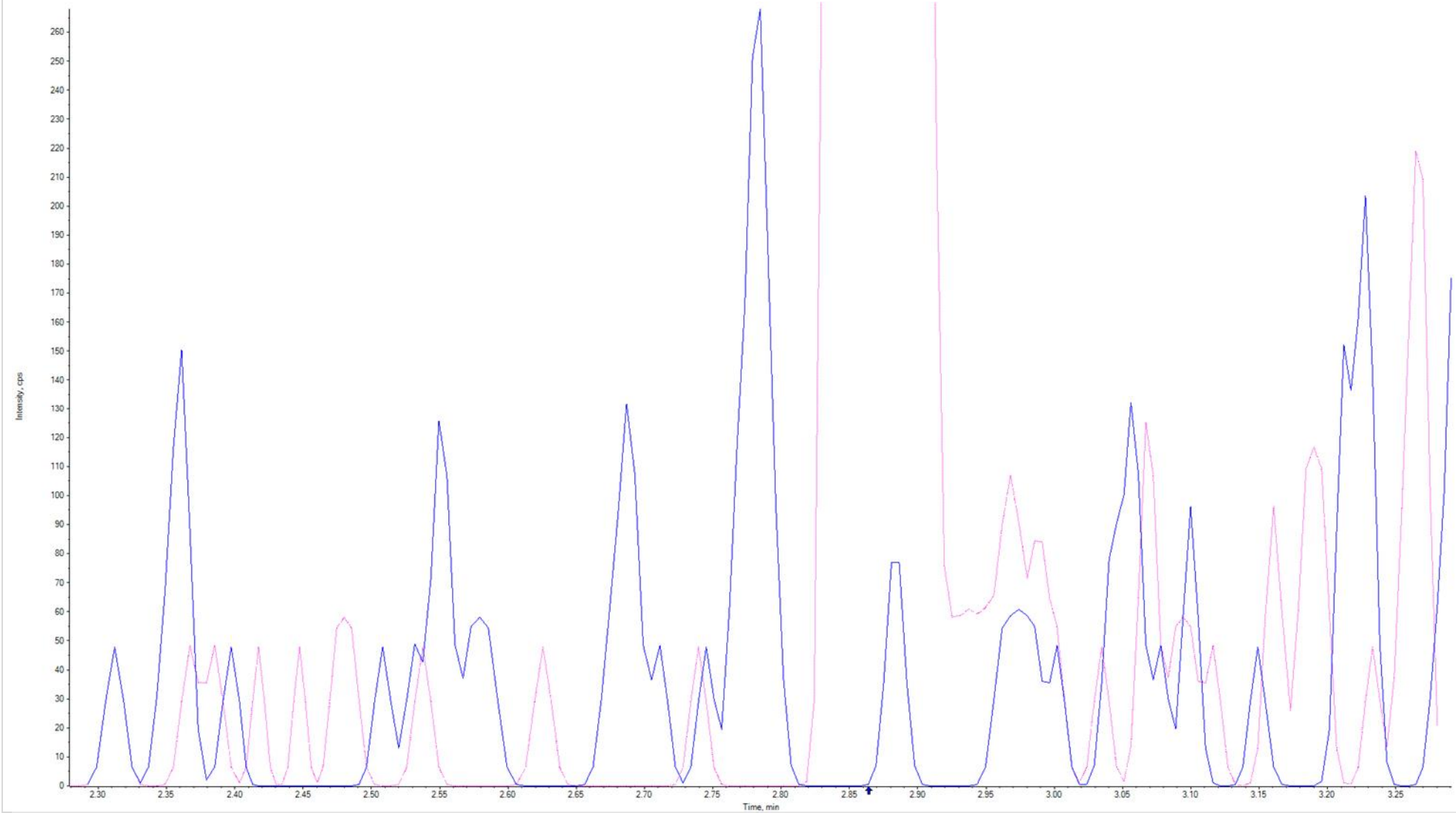
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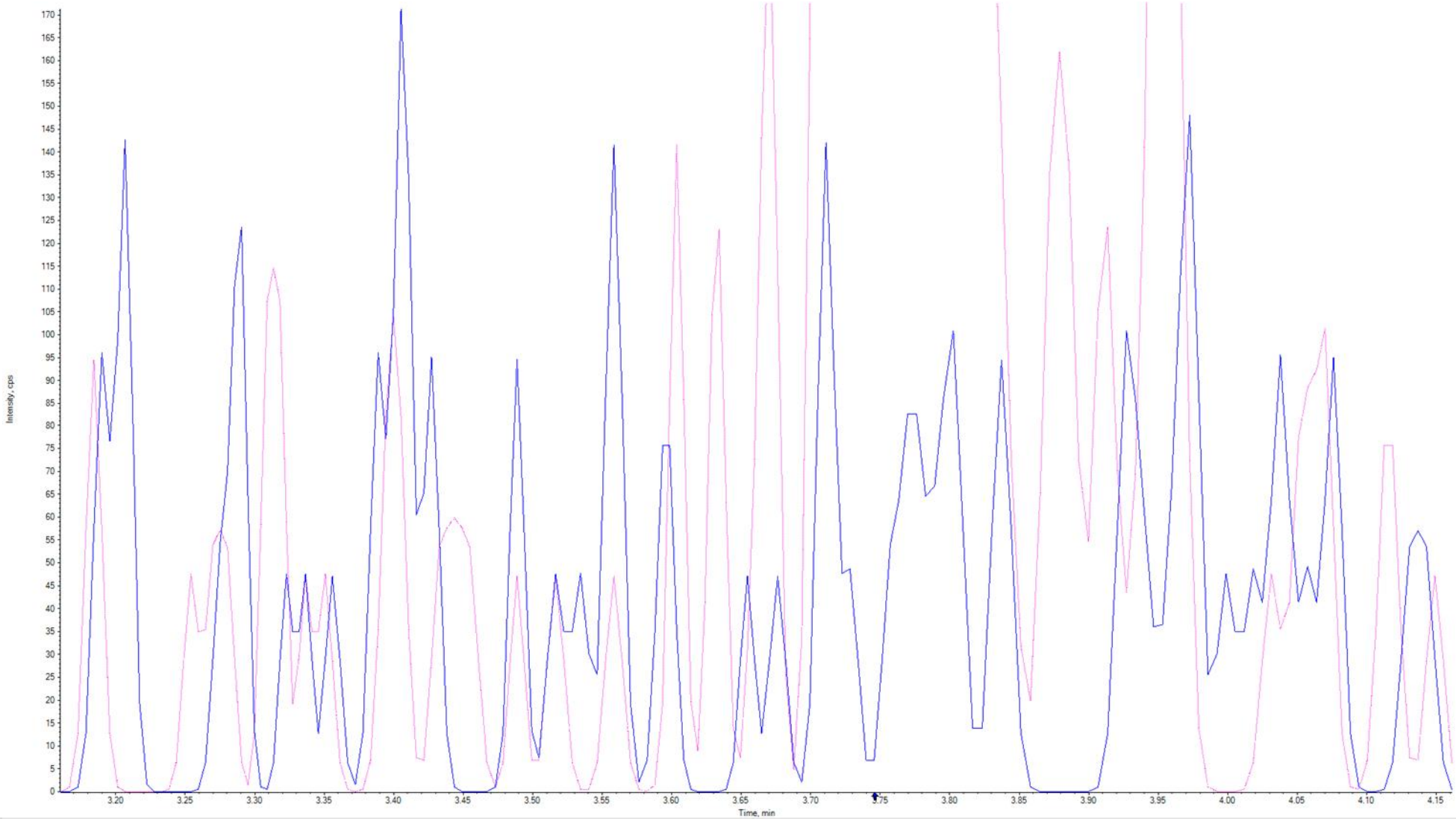
6:2FTS
Sample: WG2009822-2,INSTBLNK S/N:N/A Points Across peak:N/A



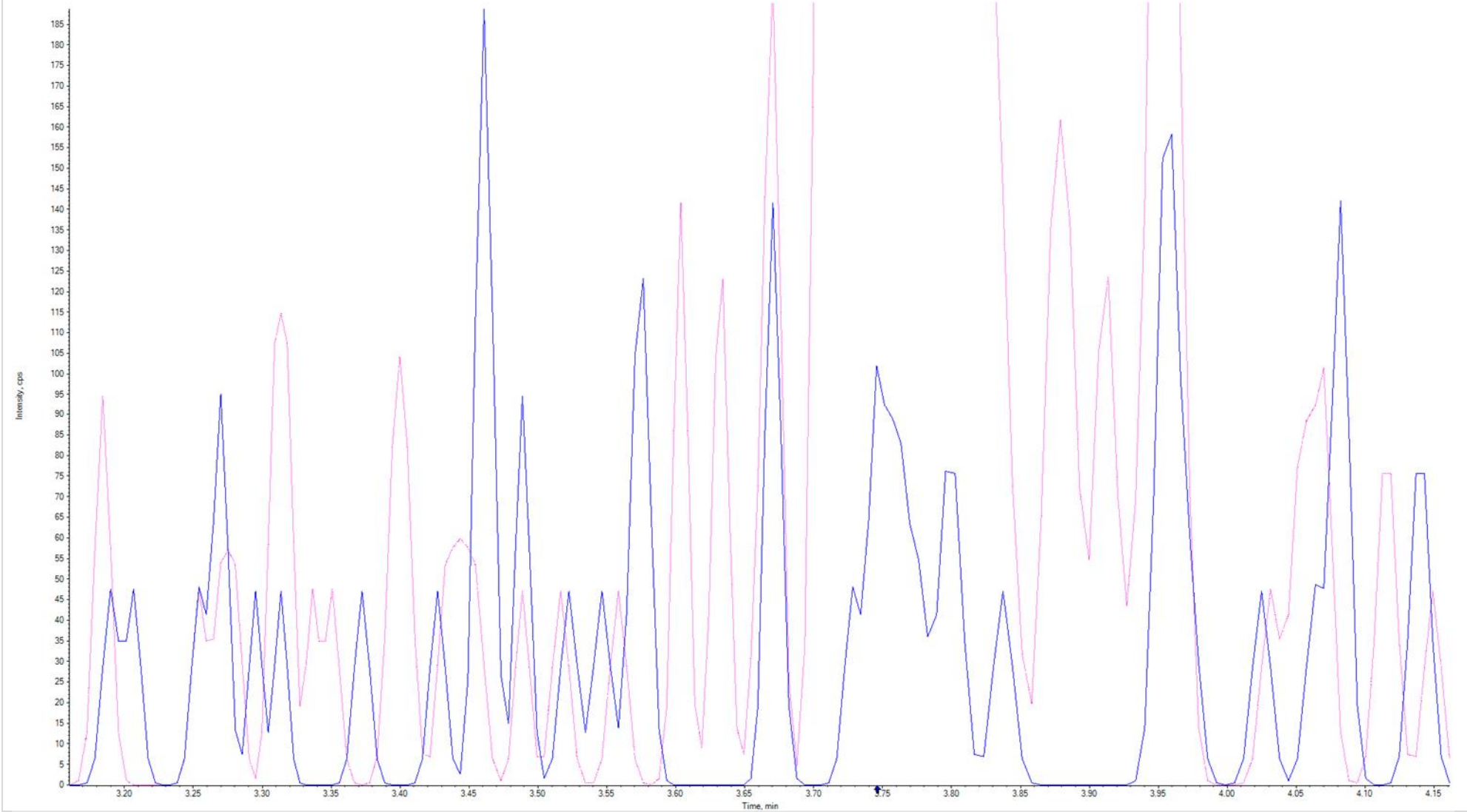
6:2FTS_2
Sample: WG2009822-2,INSTBLNK S/N:N/A Points Across peak:N/A



8:2FTS
Sample: WG2009822-2,INSTBLNK S/N:N/A Points Across peak:N/A

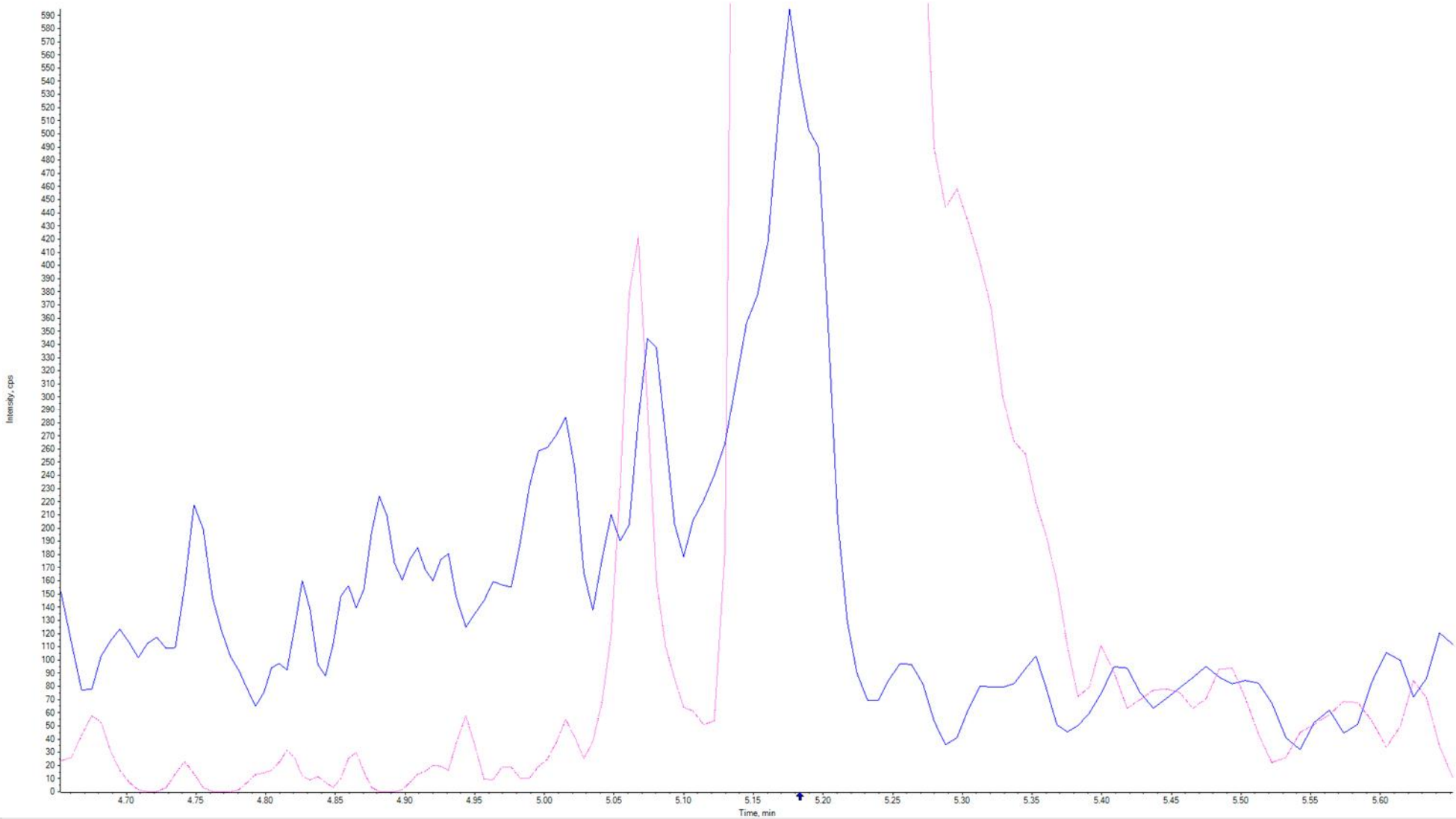


8:2FTS_2
Sample: WG2009822-2,INSTBLNK S/N:N/A Points Across peak:N/A



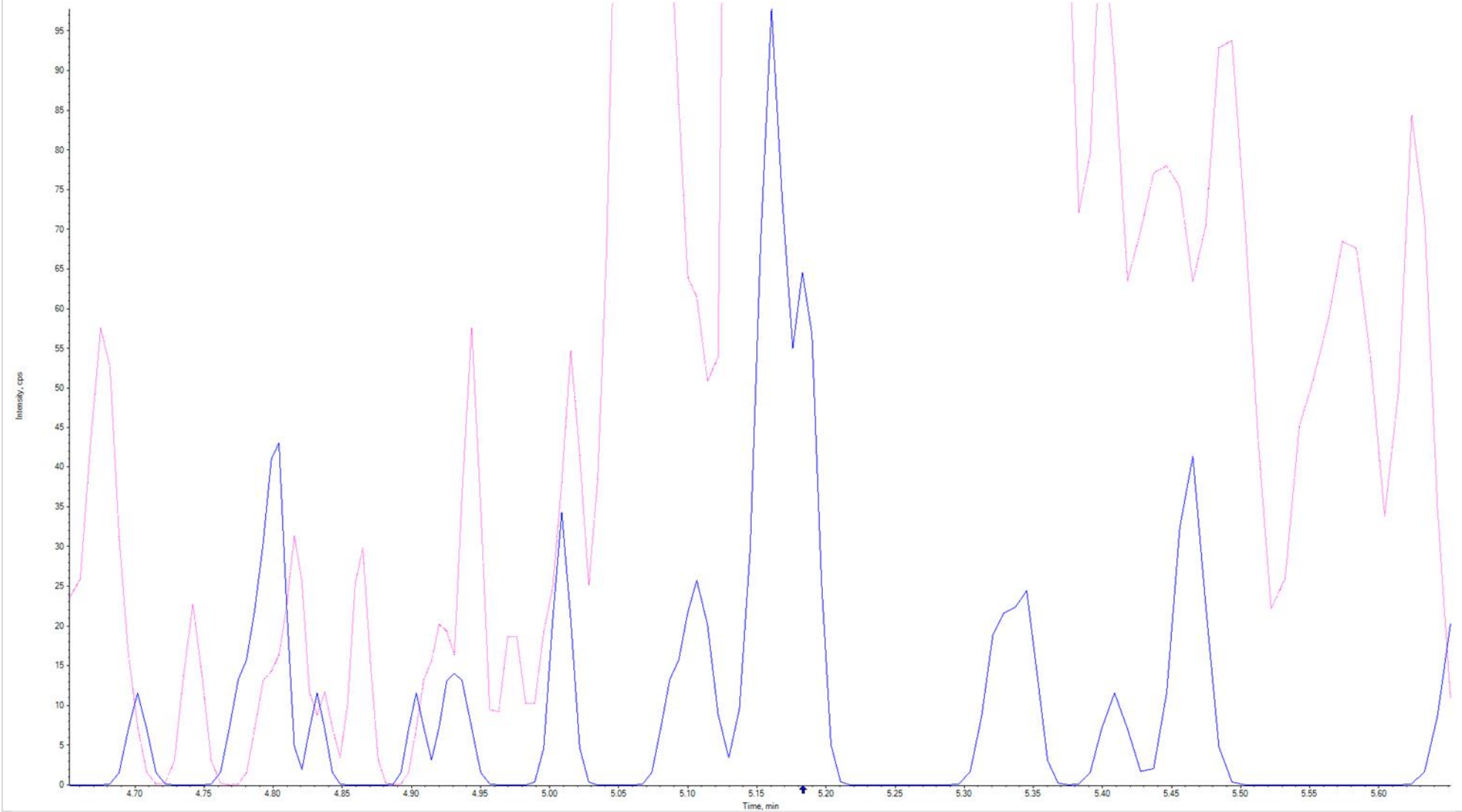
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PFOSA
Sample: WG2009822-2,INSTBLNK S/N:N/A Points Across peak:N/A

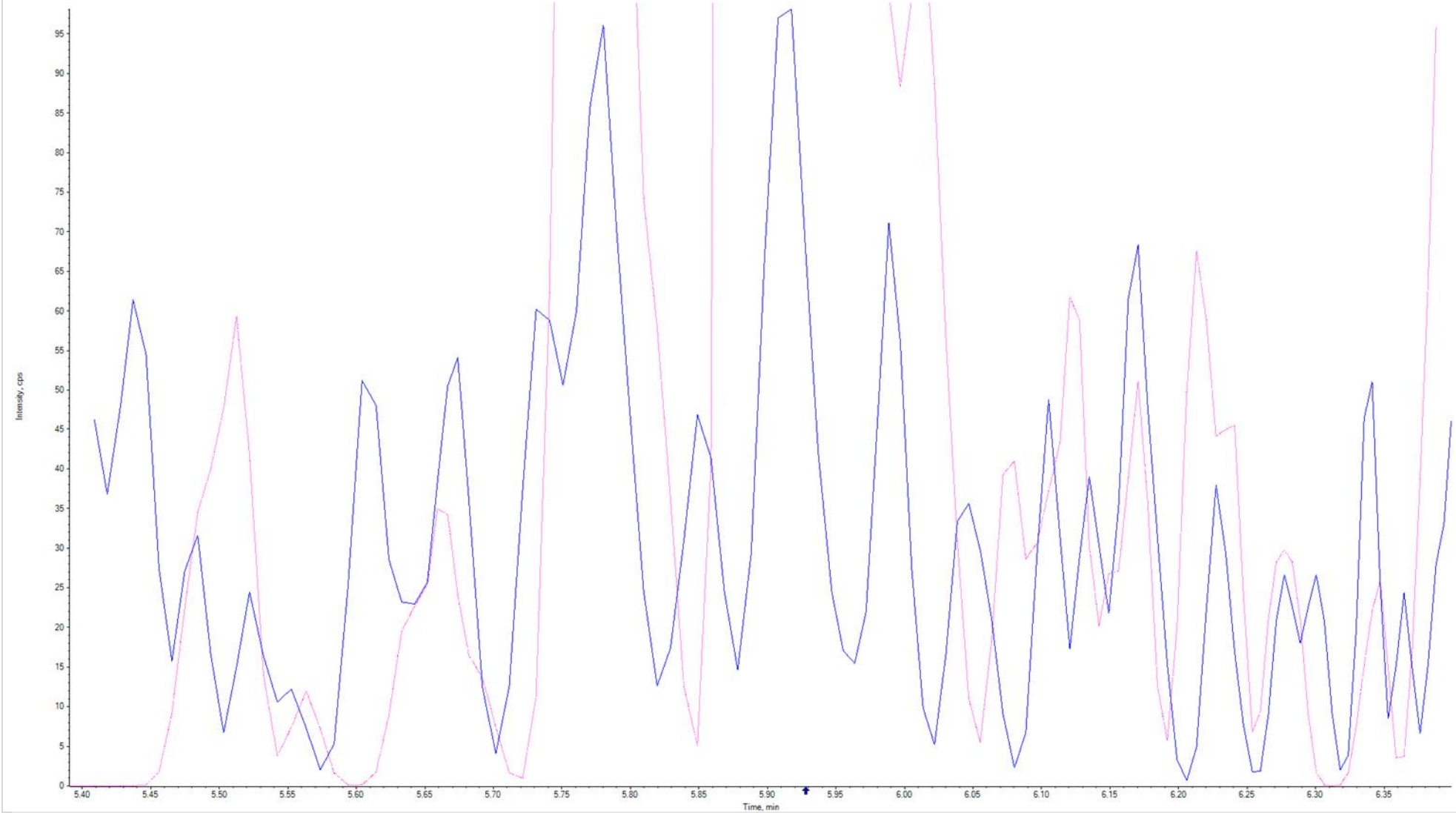


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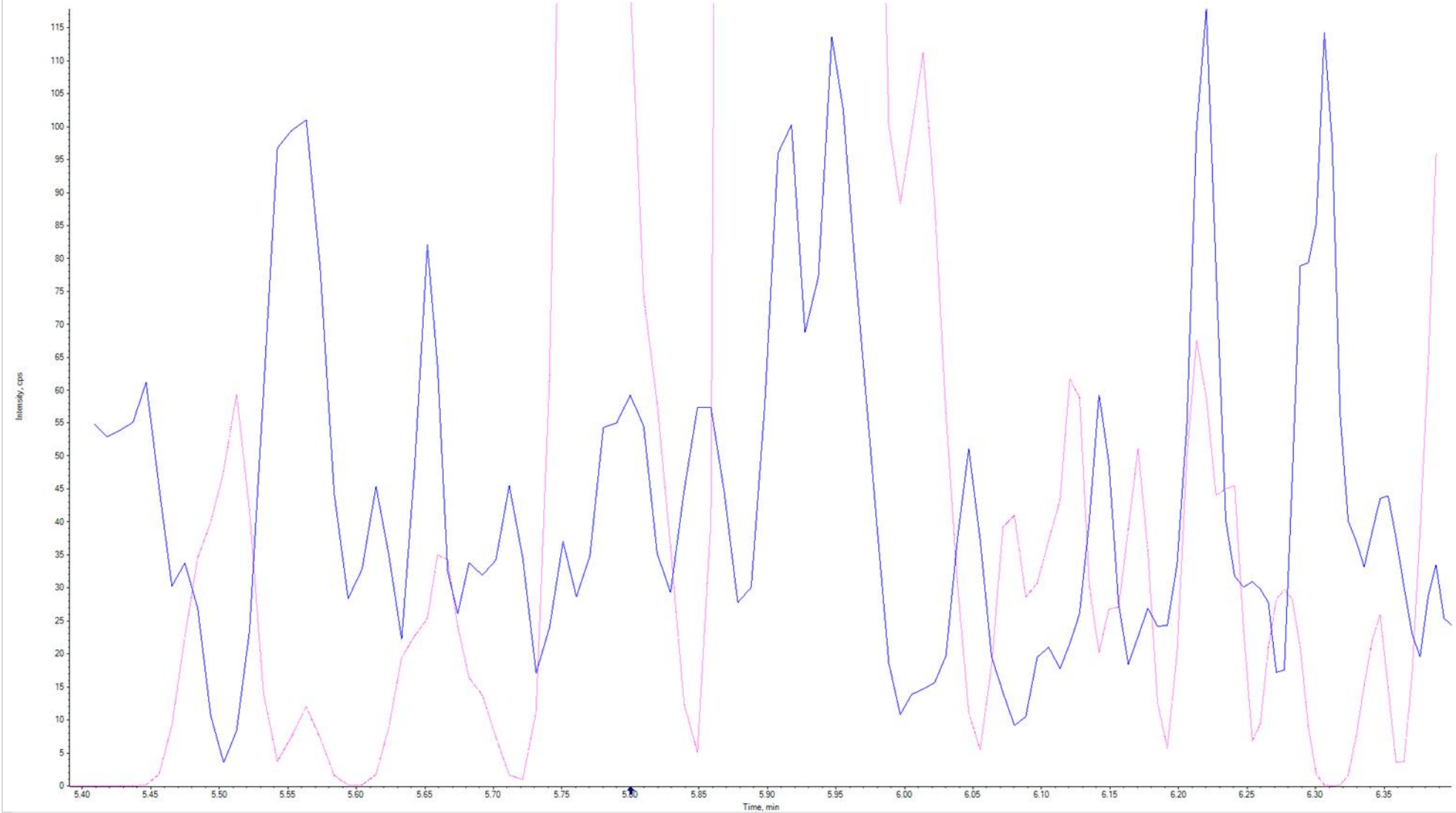
PFOSA_2
Sample: WG2009822-2,INSTBLNK S/N:N/A Points Across peak:N/A



NMeFOSA
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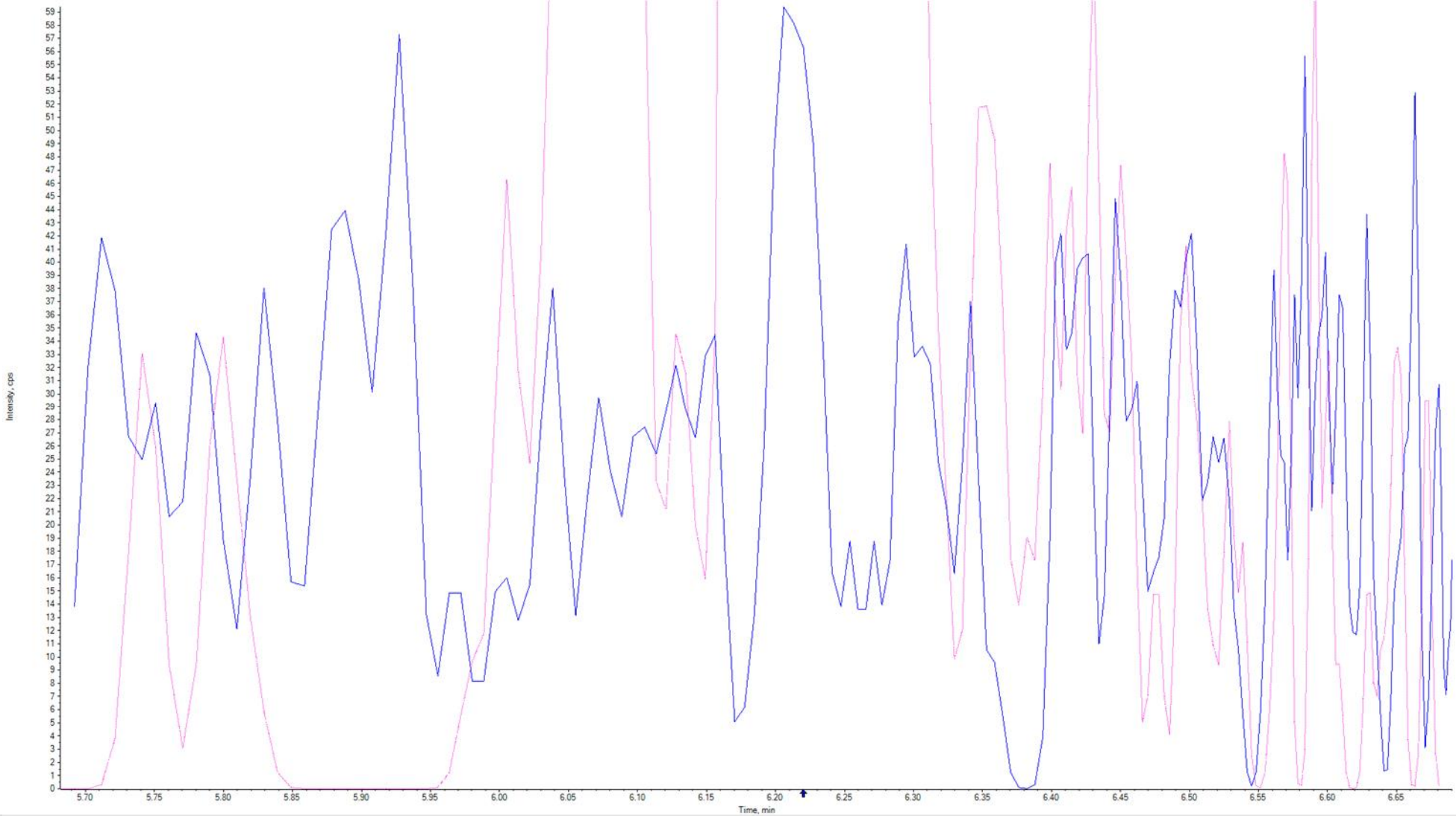


NMeFOSA_2
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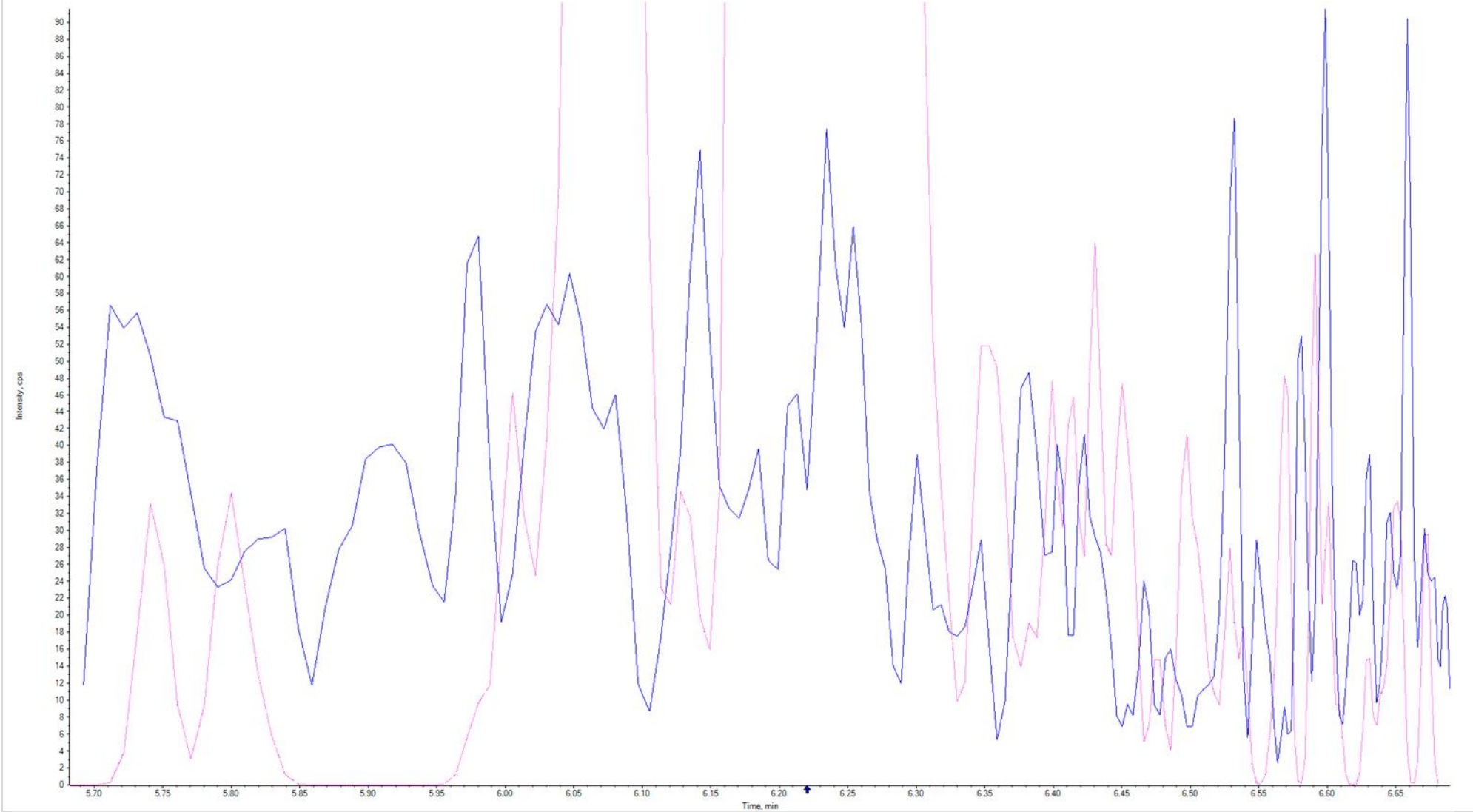
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NEtFOSA
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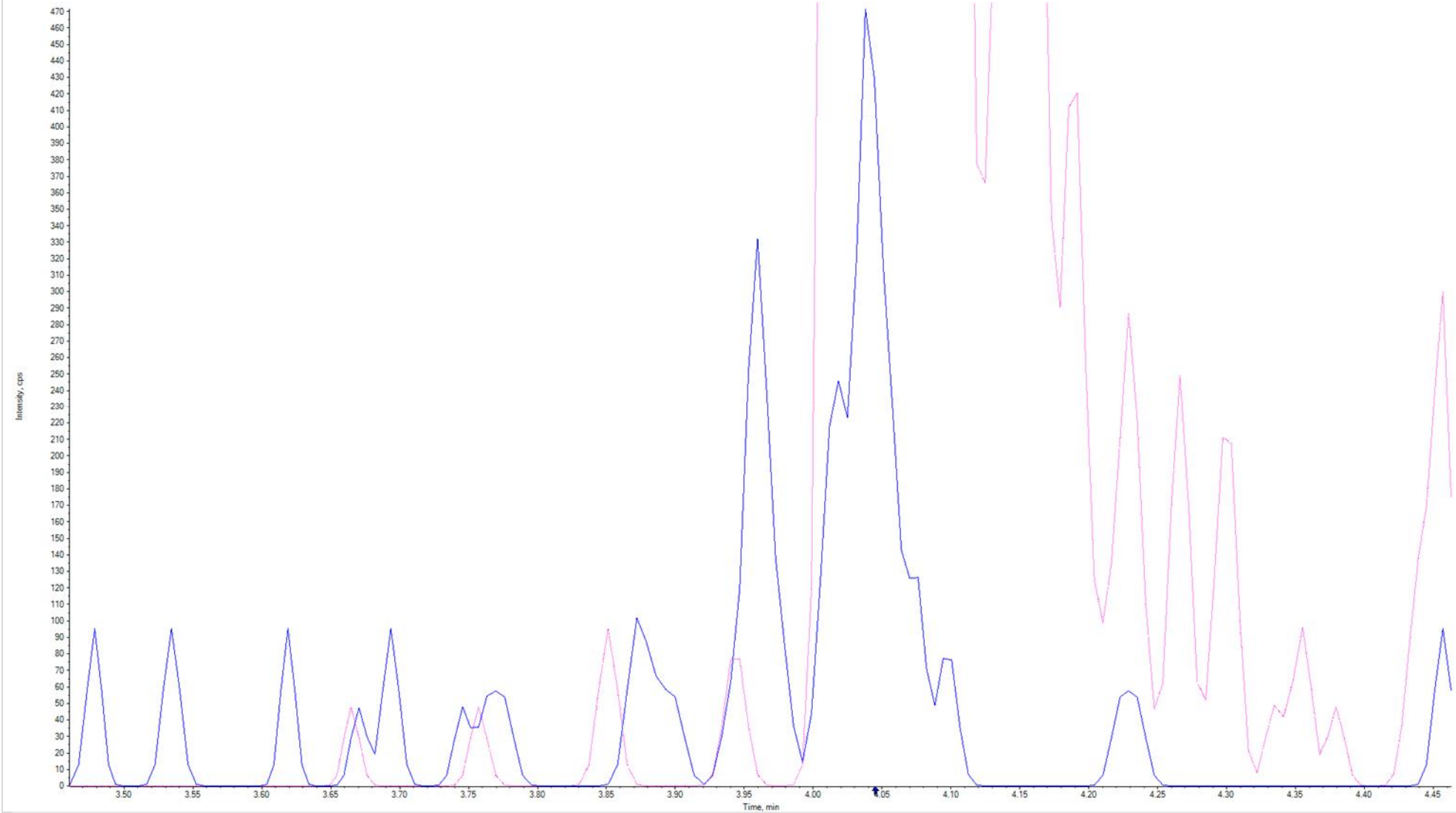
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NEtFOSA_2
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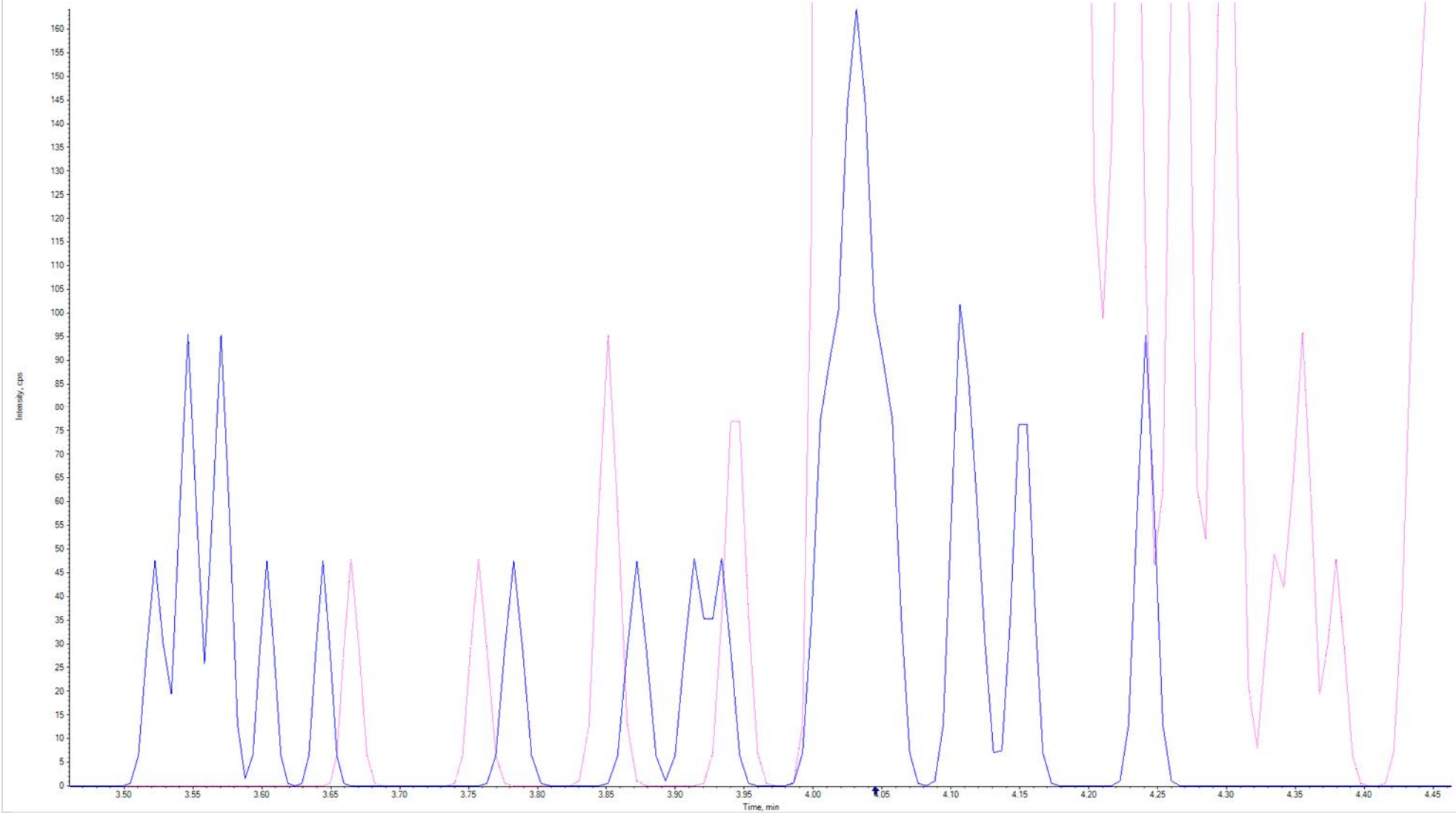
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NMeFOSAA
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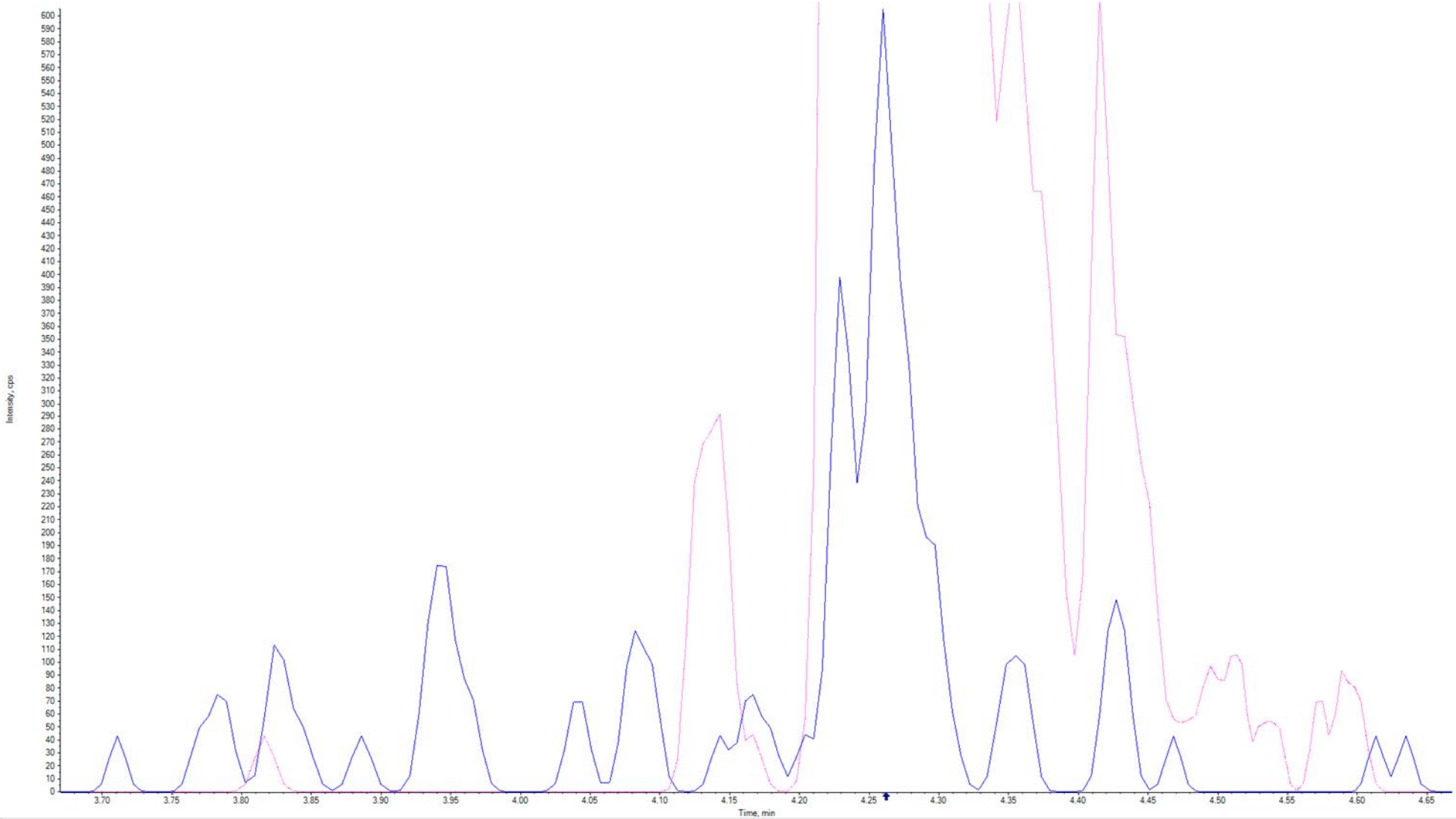


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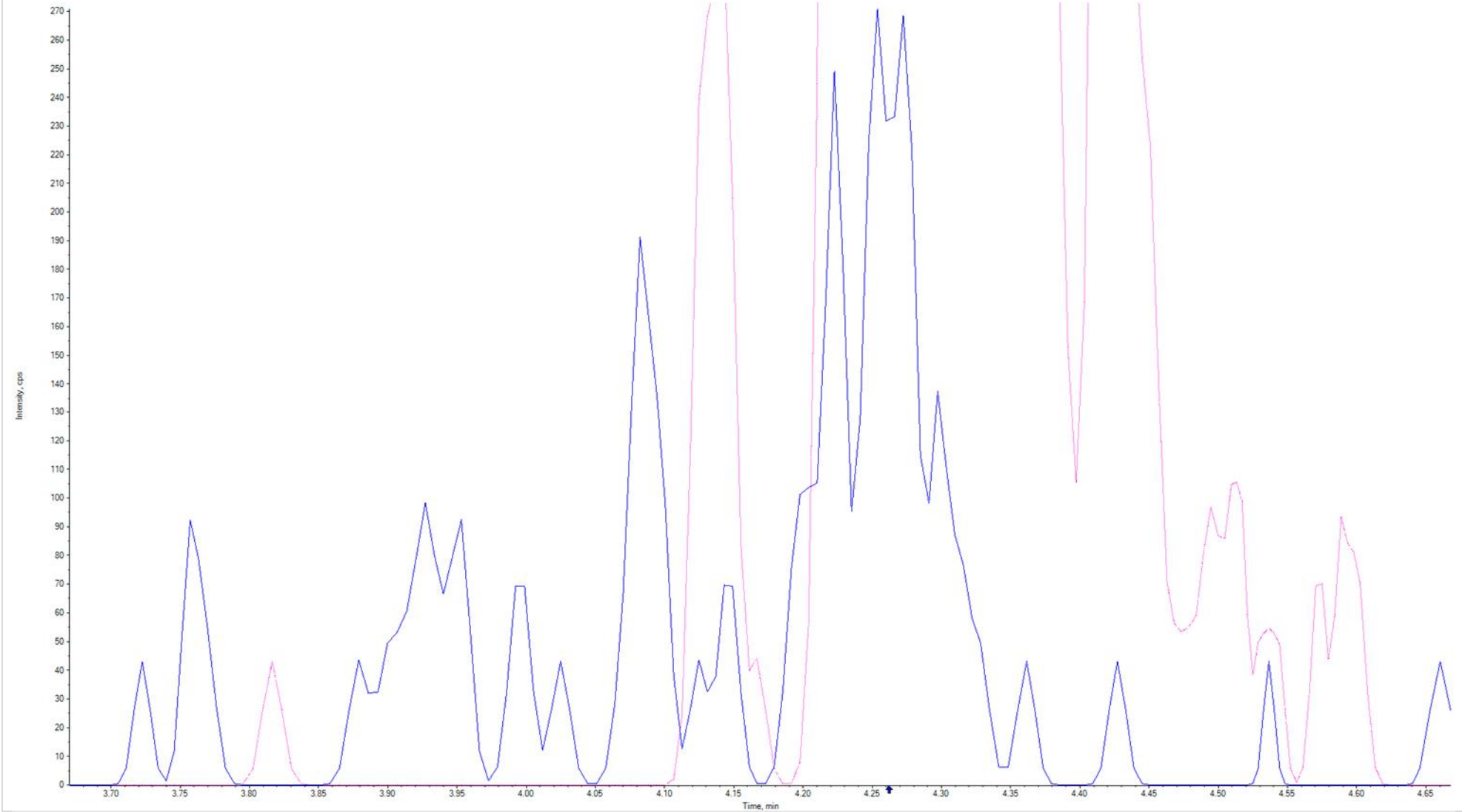
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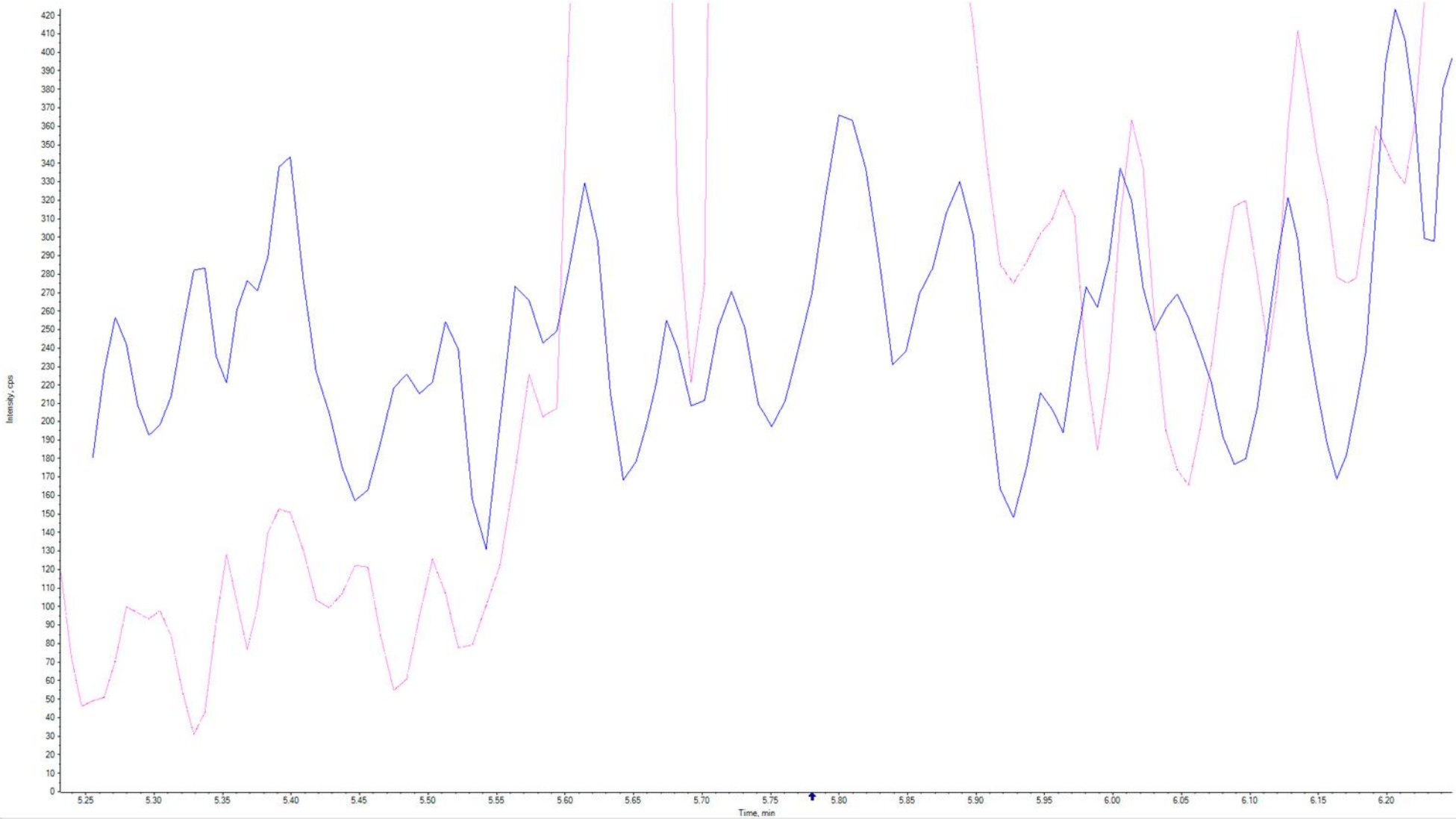
NEtFOSAA
Sample: WG2009822-2,INSTBLNK S/N:N/A Points Across peak:N/A



NEtFOSAA_2
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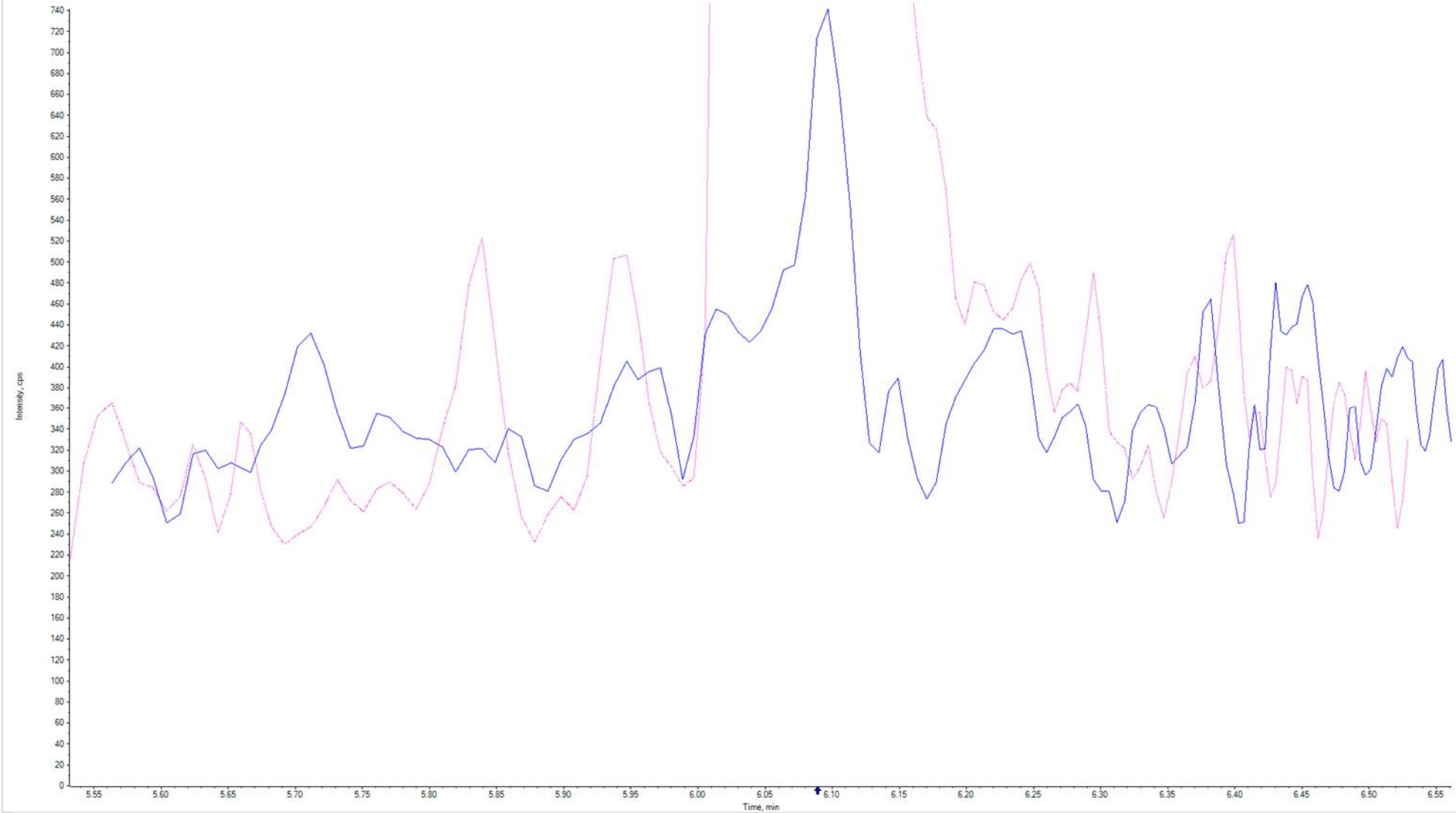


NMeFOSE
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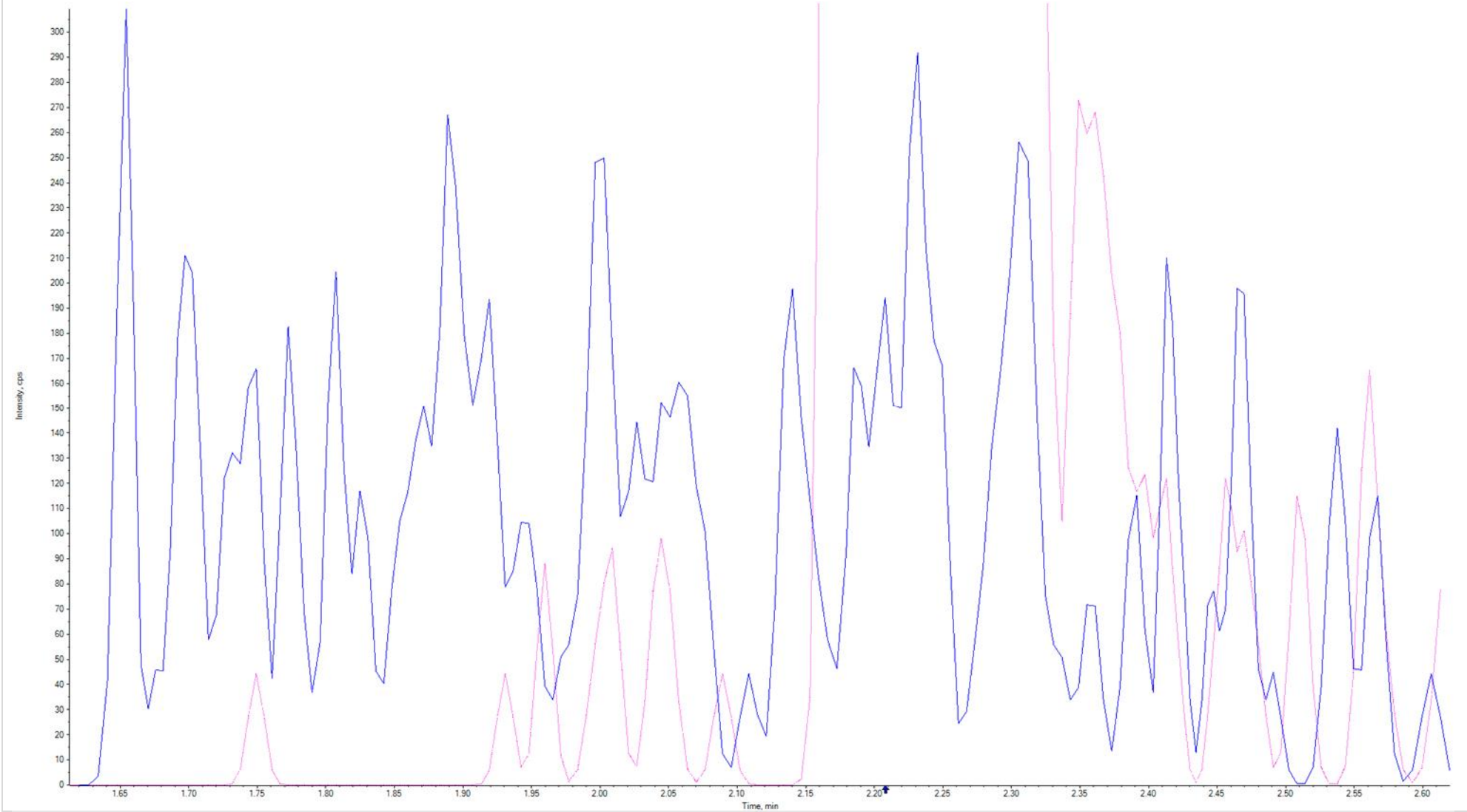
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Alpha Analytical LLC
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Generated: 12/16/2024 8:47:17 PM

NEtFOSE
Sample: WG2009822-2,INSTBLNK S/N:N/A Points Across peak:N/A



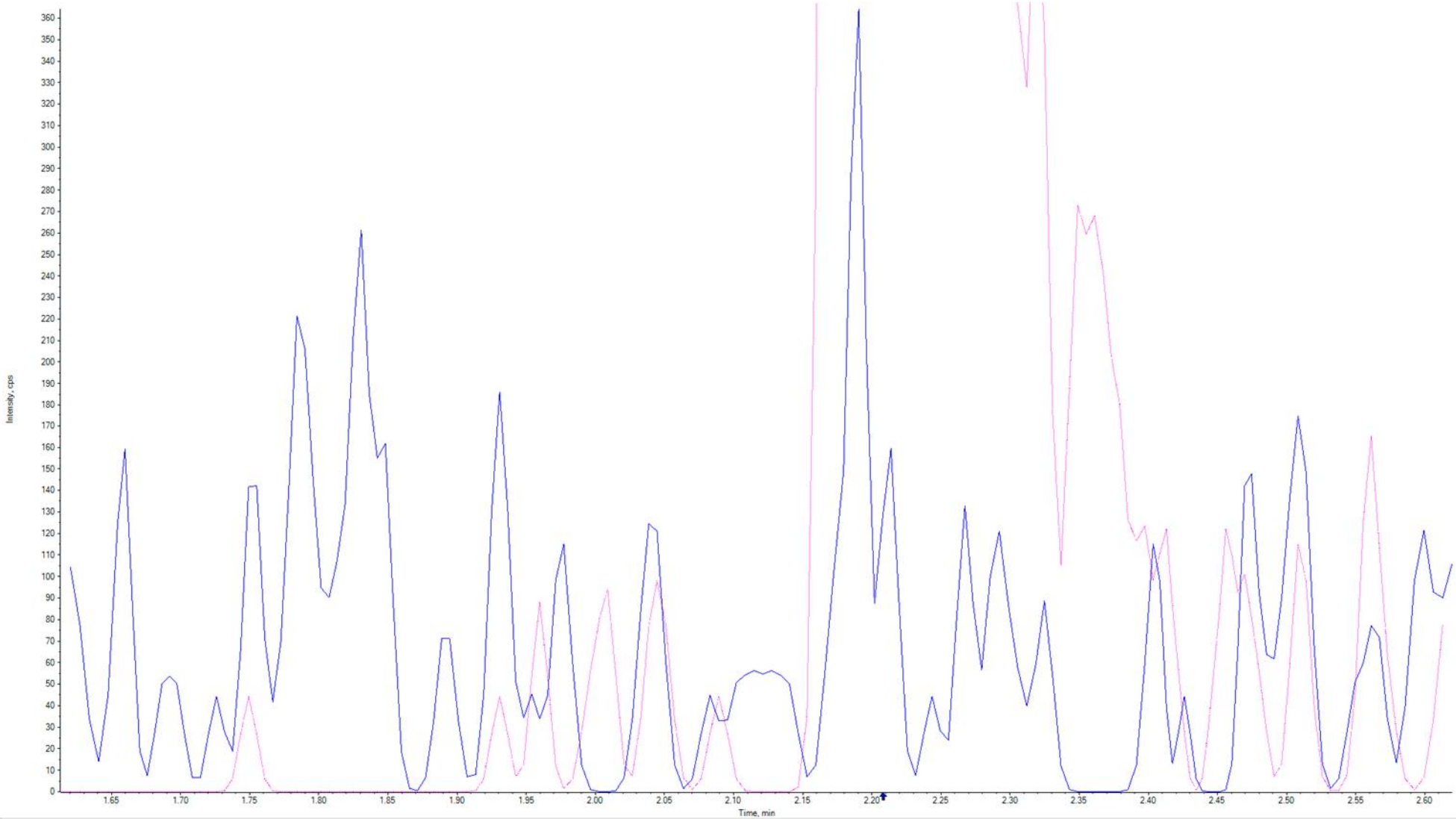
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Alpha Analytical LLC
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HFPO-DA
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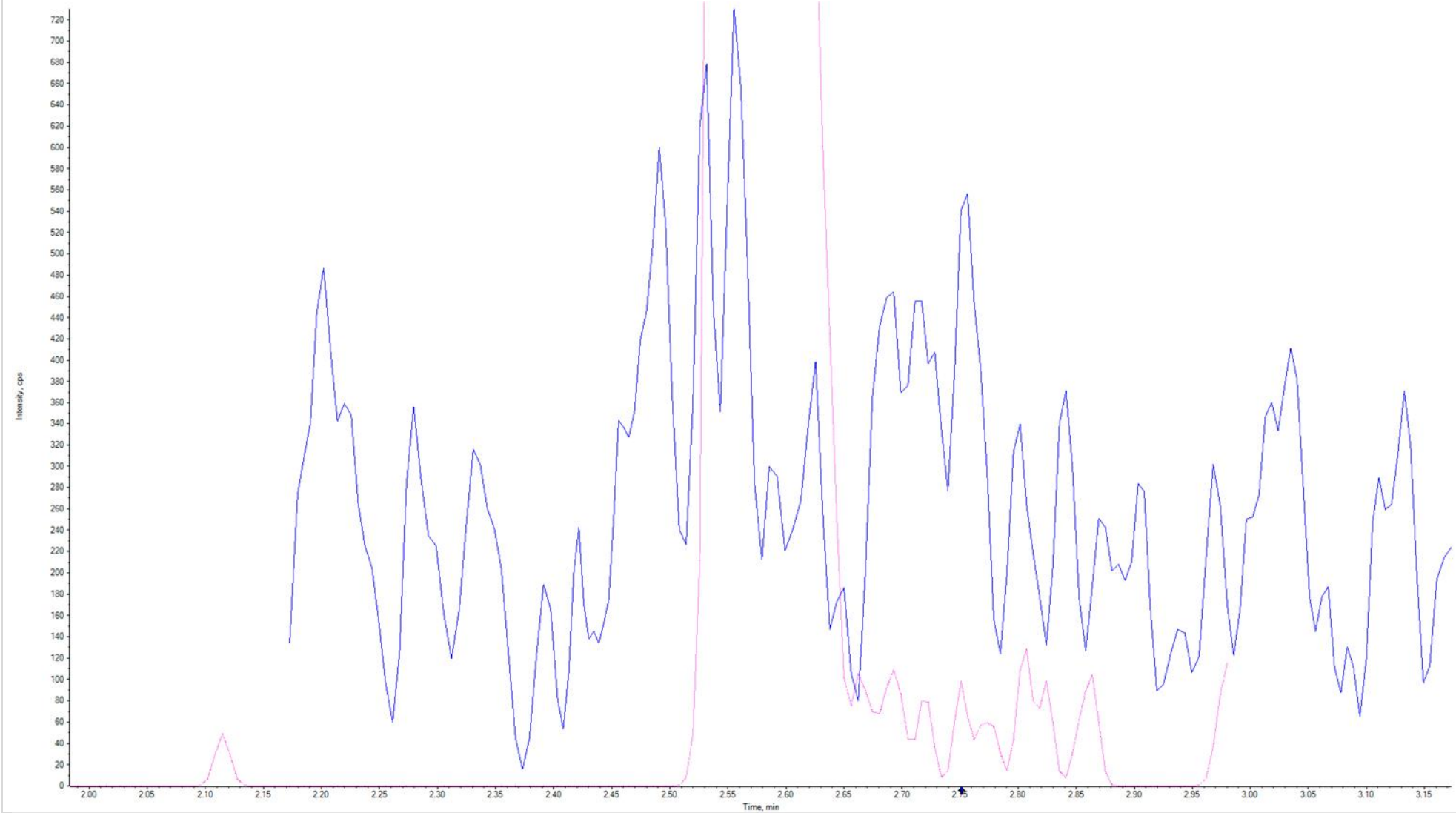


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HFPO-DA_2
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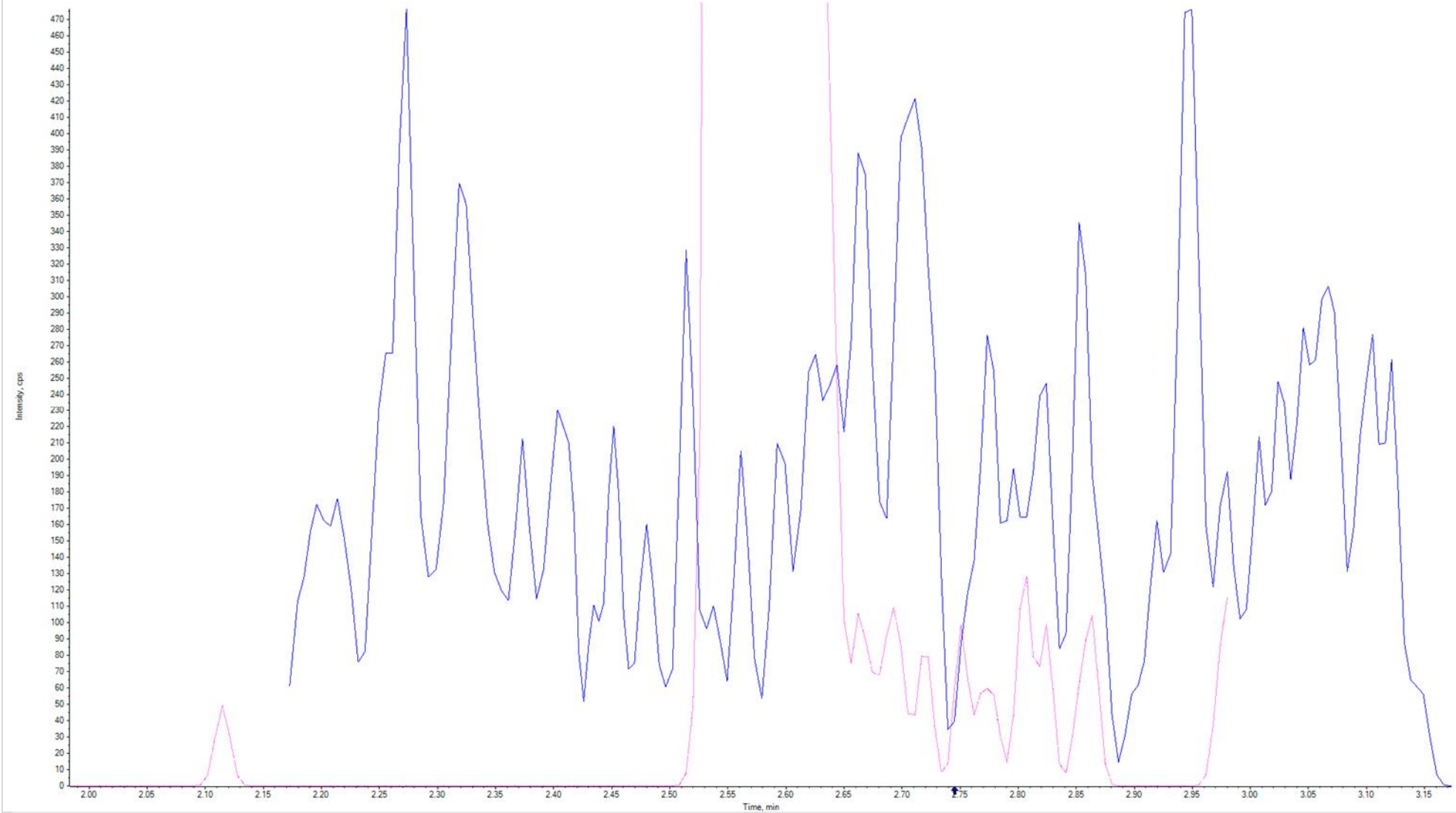


ADONA
Sample: WG2009822-2,INSTBLNK S/N:N/A Points Across peak:N/A



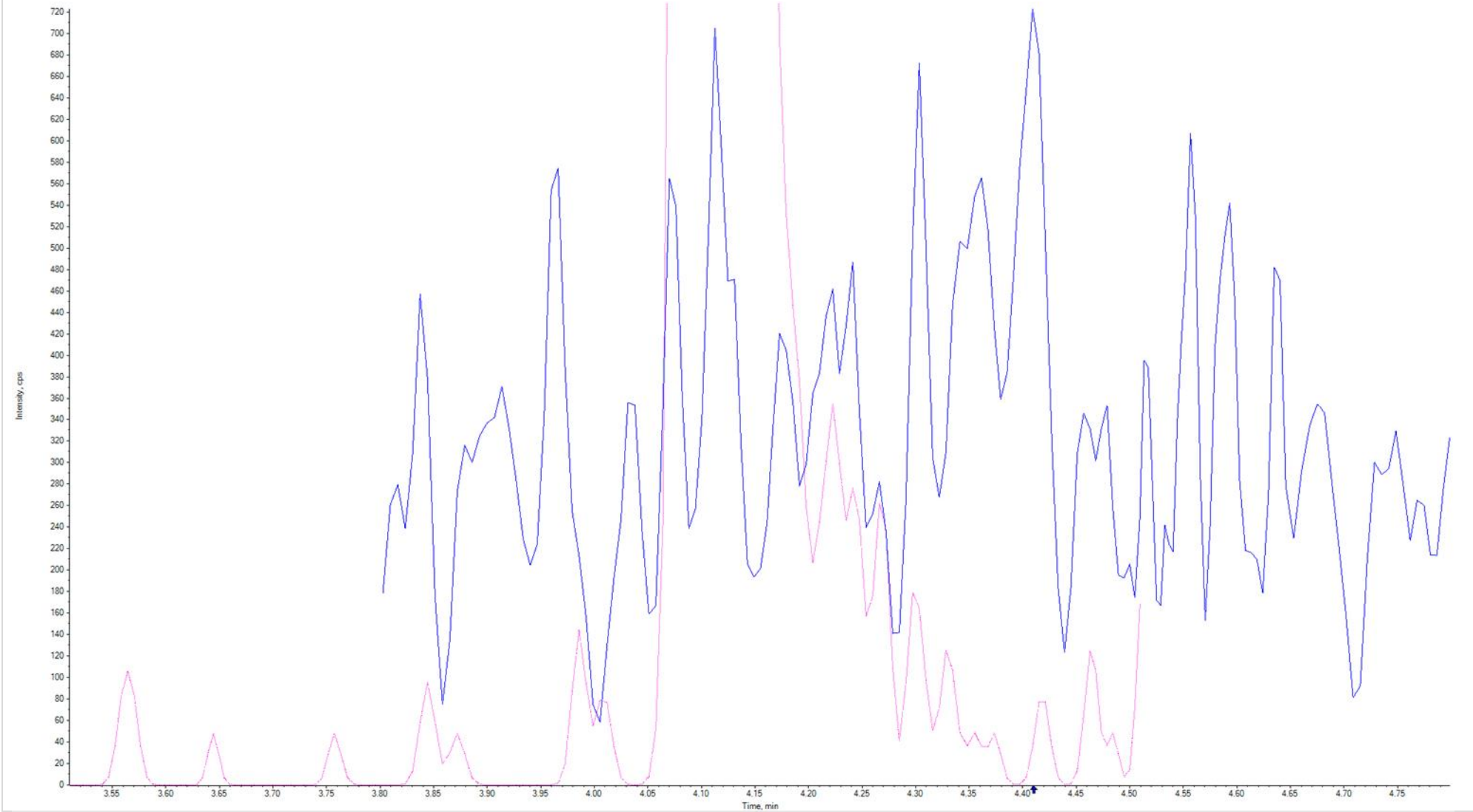
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Alpha Analytical LLC
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ADONA_2
Sample: WG2009822-2,INSTBLNK S/N:N/A Points Across peak:N/A

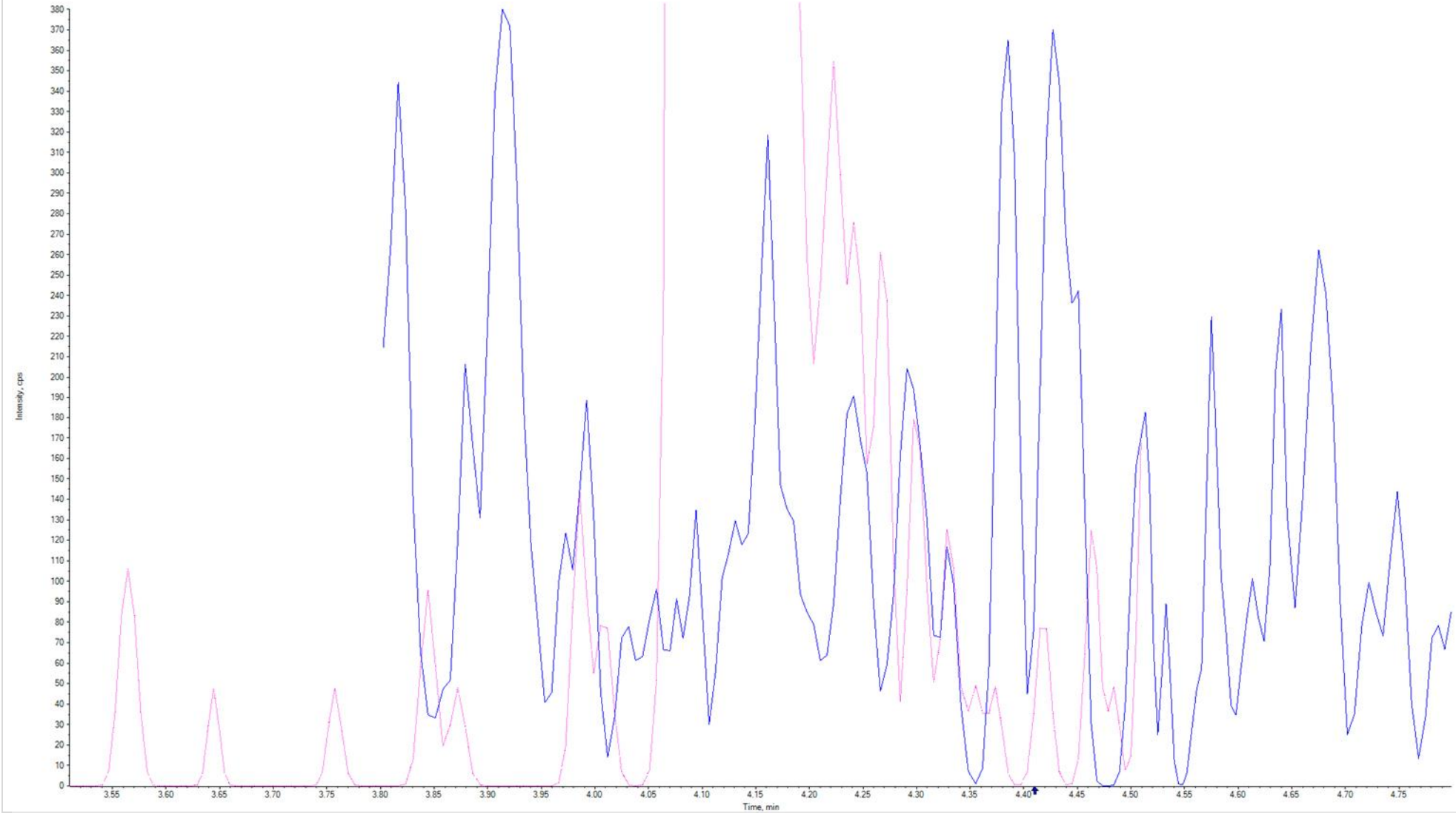


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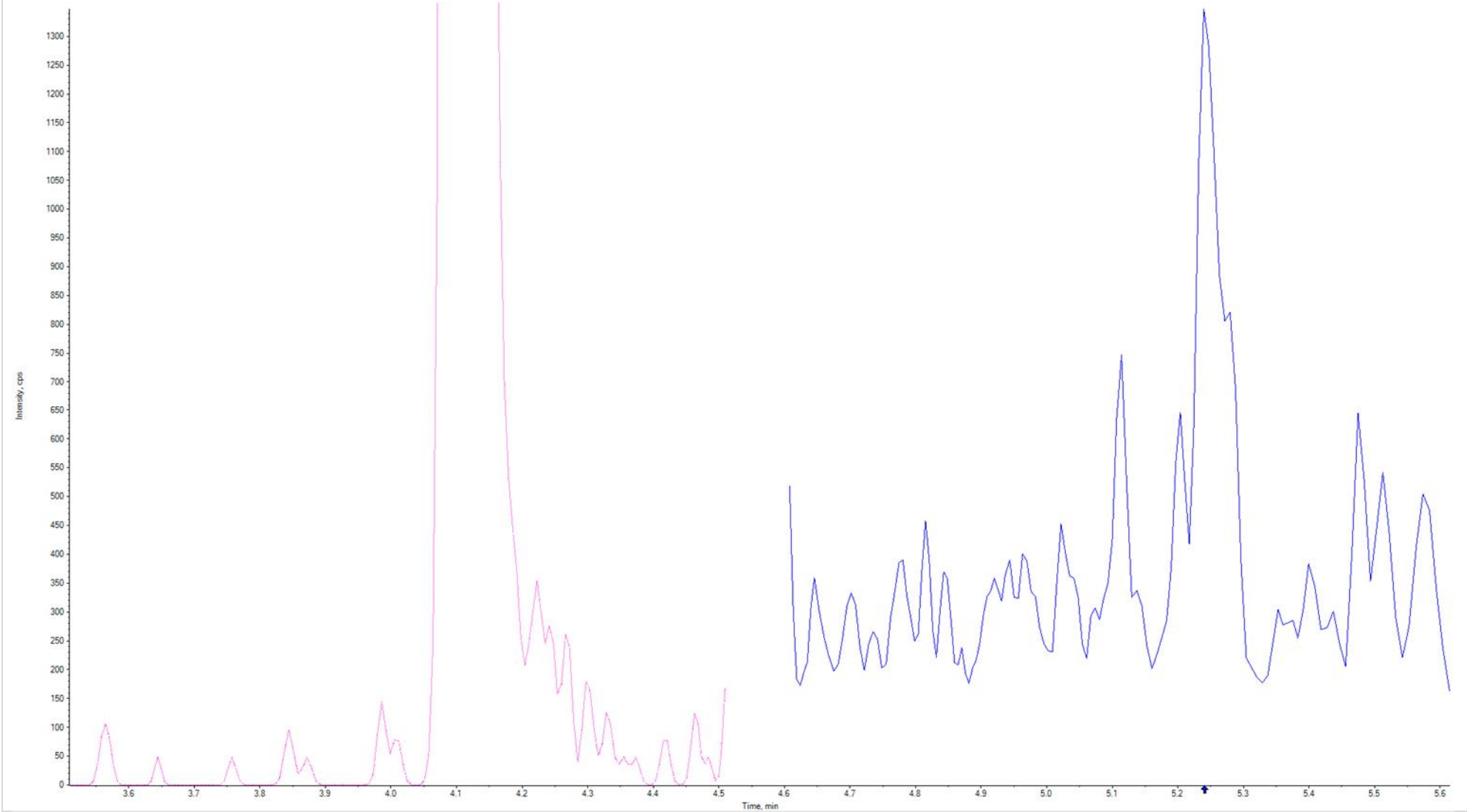
9Cl-PF3ONS
Sample: WG2009822-2,INSTBLNK S/N:N/A Points Across peak:N/A



9Cl-PF3ONS_2
Sample: WG2009822-2,INSTBLNK S/N:N/A Points Across peak:N/A

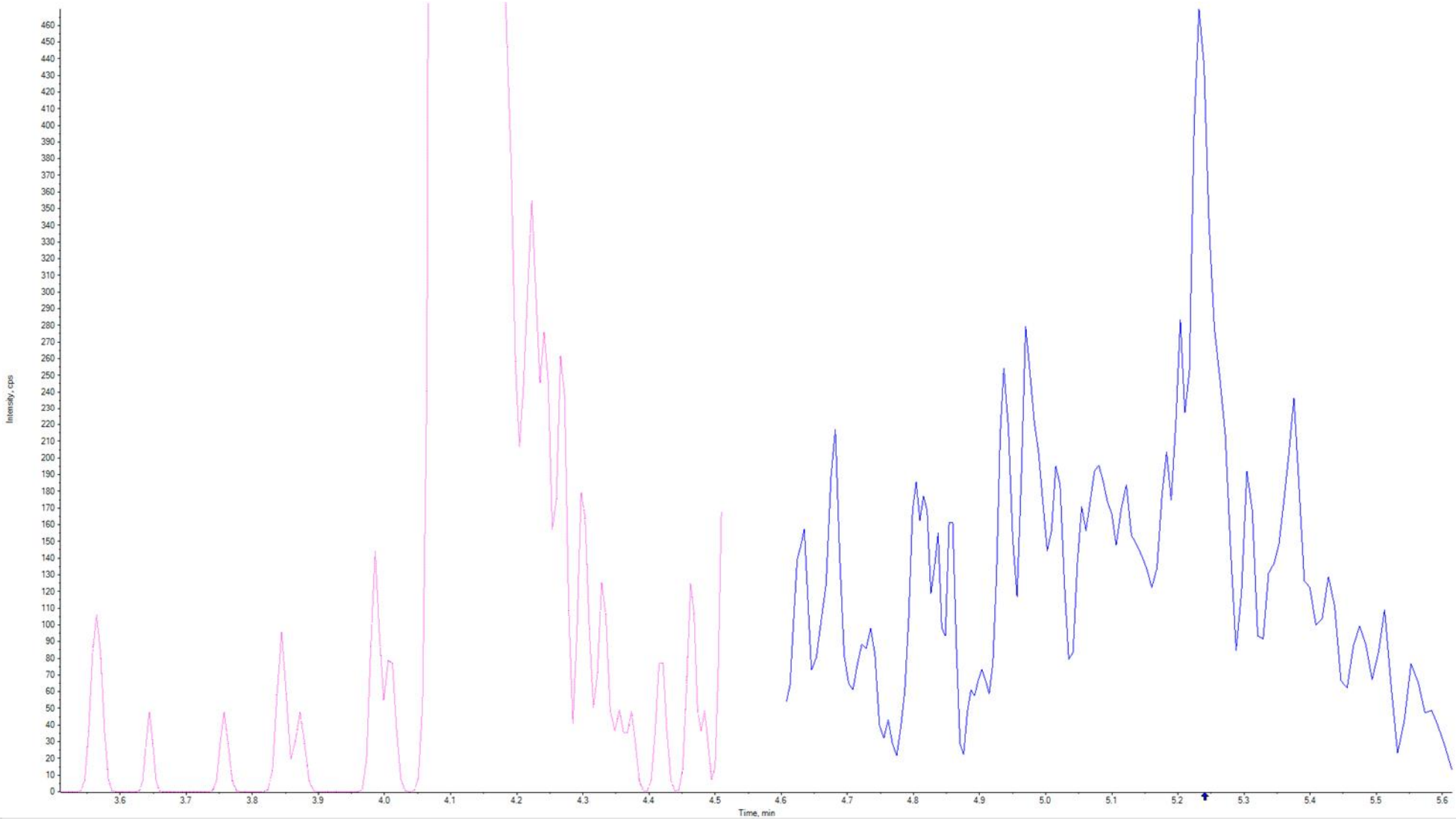


11Cl-PF3OUdS
Sample: WG2009822-2,INSTBLNK S/N:N/A Points Across peak:N/A

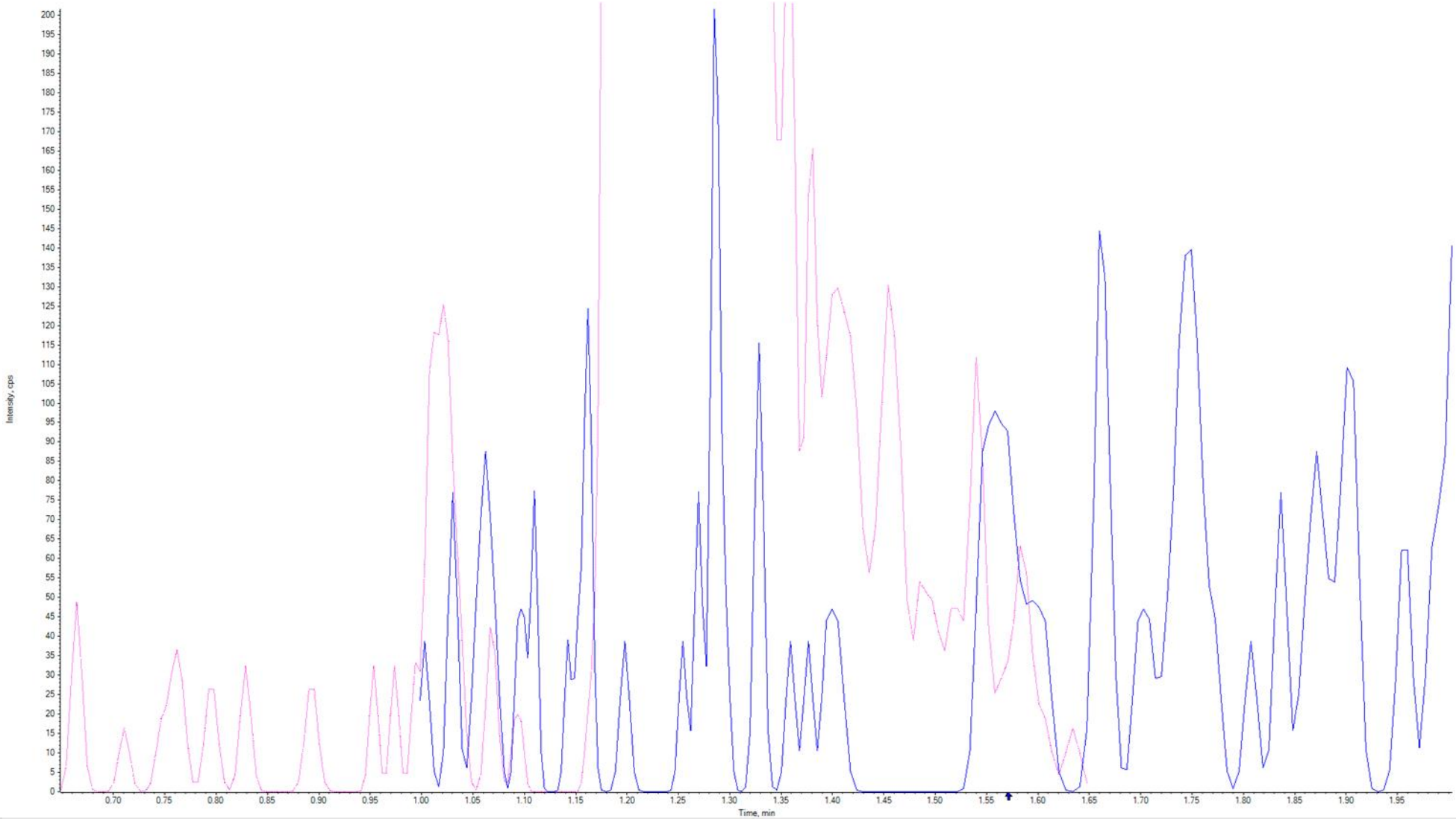


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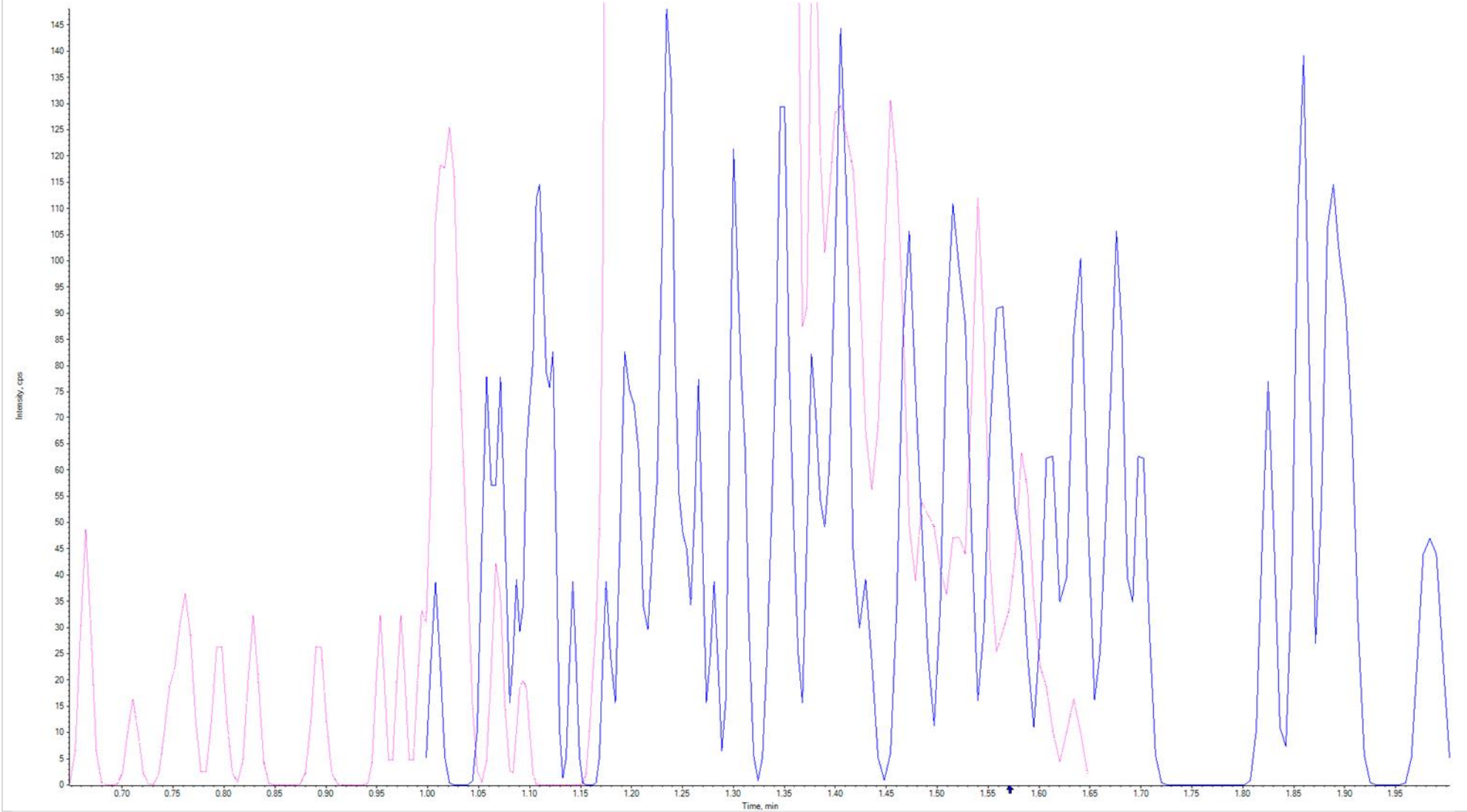
11Cl-PF3OUdS_2
Sample: WG2009822-2,INSTBLNK S/N:N/A Points Across peak:N/A



3:3FTCA
Sample: WG2009822-2,INSTBLNK S/N:N/A Points Across peak:N/A

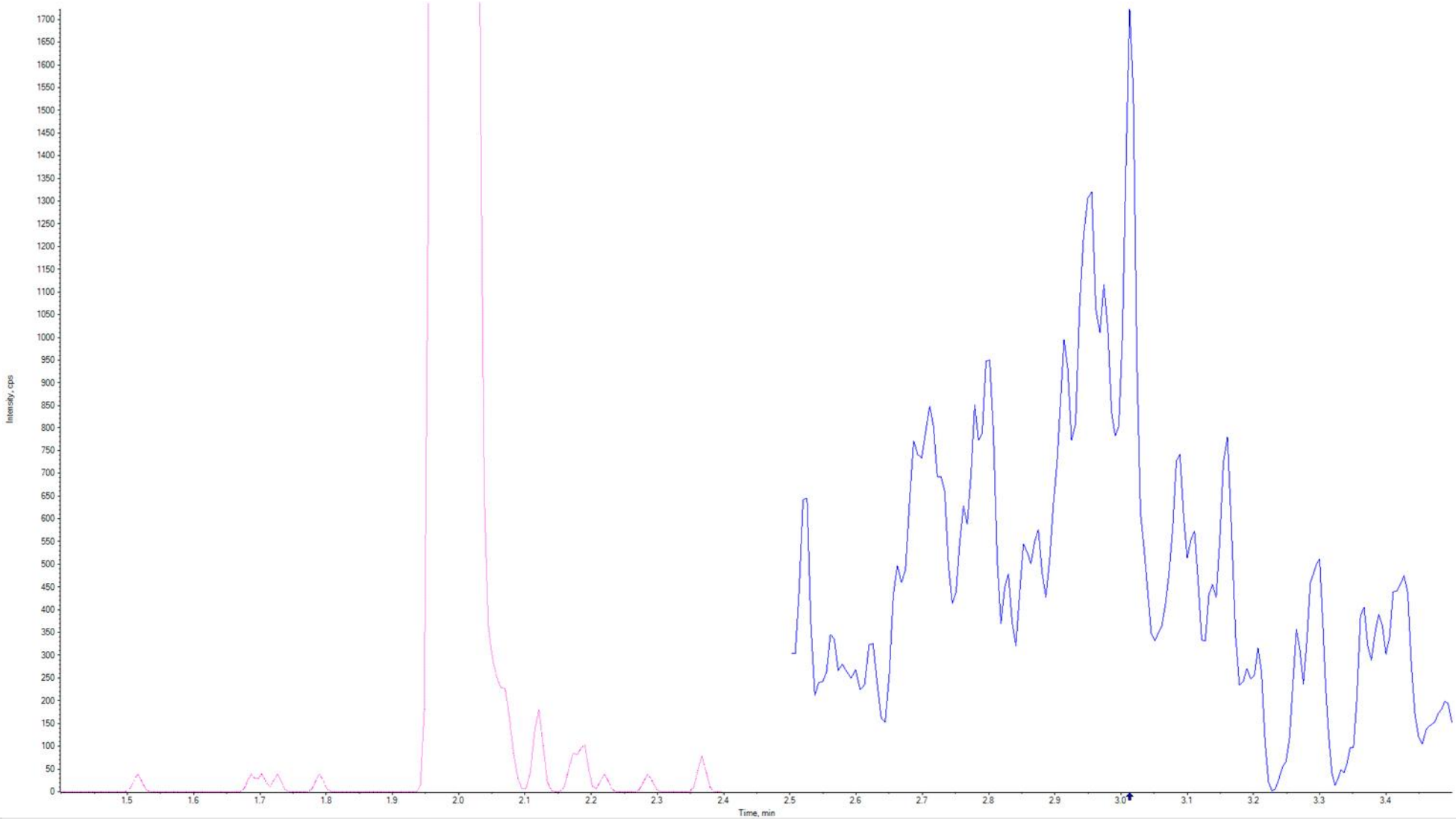


3:3FTCA_2
Sample: WG2009822-2,INSTBLNK S/N:N/A Points Across peak:N/A

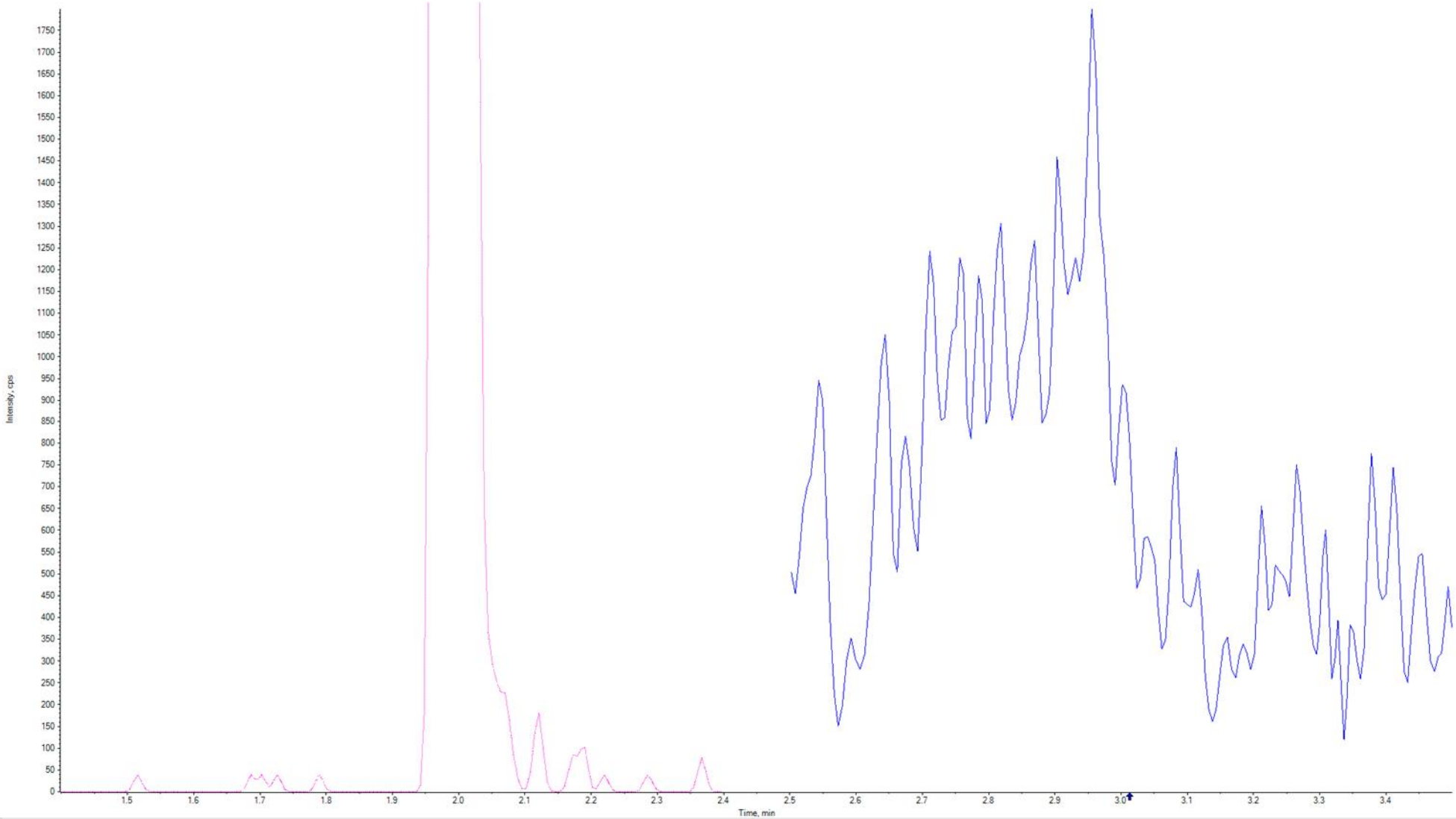


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5:3FTCA
Sample: WG2009822-2,INSTBLNK S/N:N/A Points Across peak:N/A

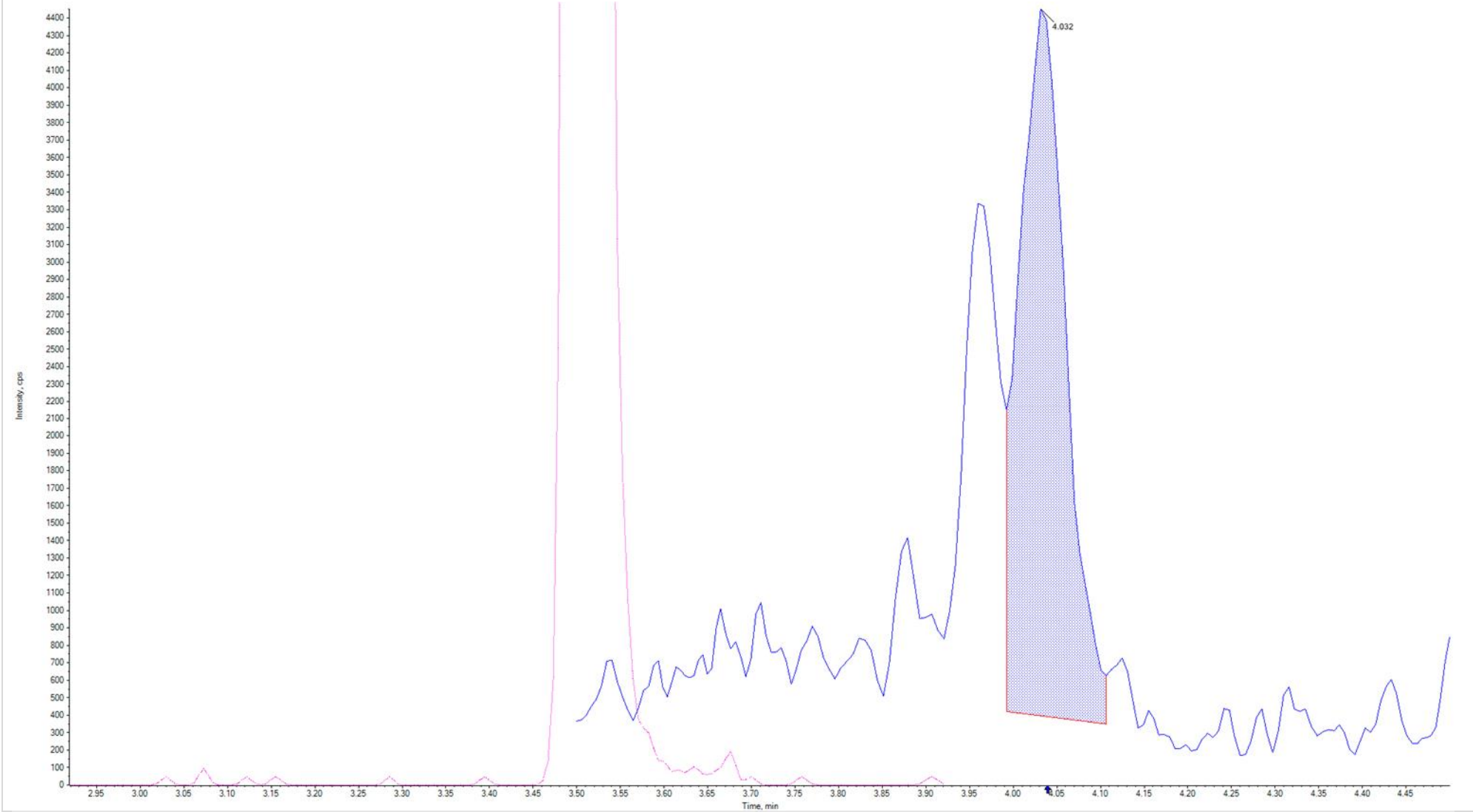


5:3FTCA_2
Sample: WG2009822-2,INSTBLNK S/N:N/A Points Across peak:N/A



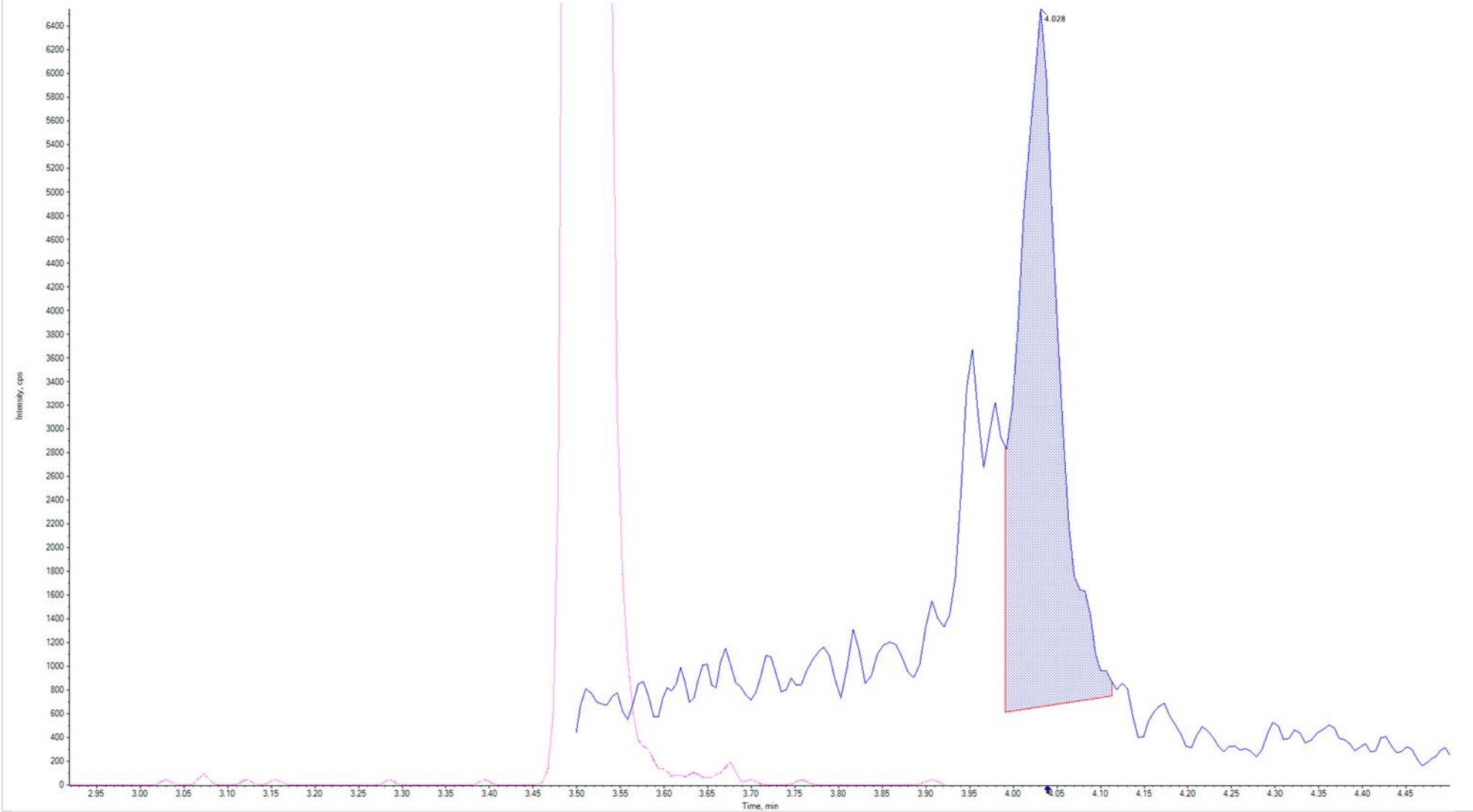
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Alpha Analytical LLC
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7:3FTCA
Sample: WG2009822-2,INSTBLNK S/N:91.1 Points Across peak:19



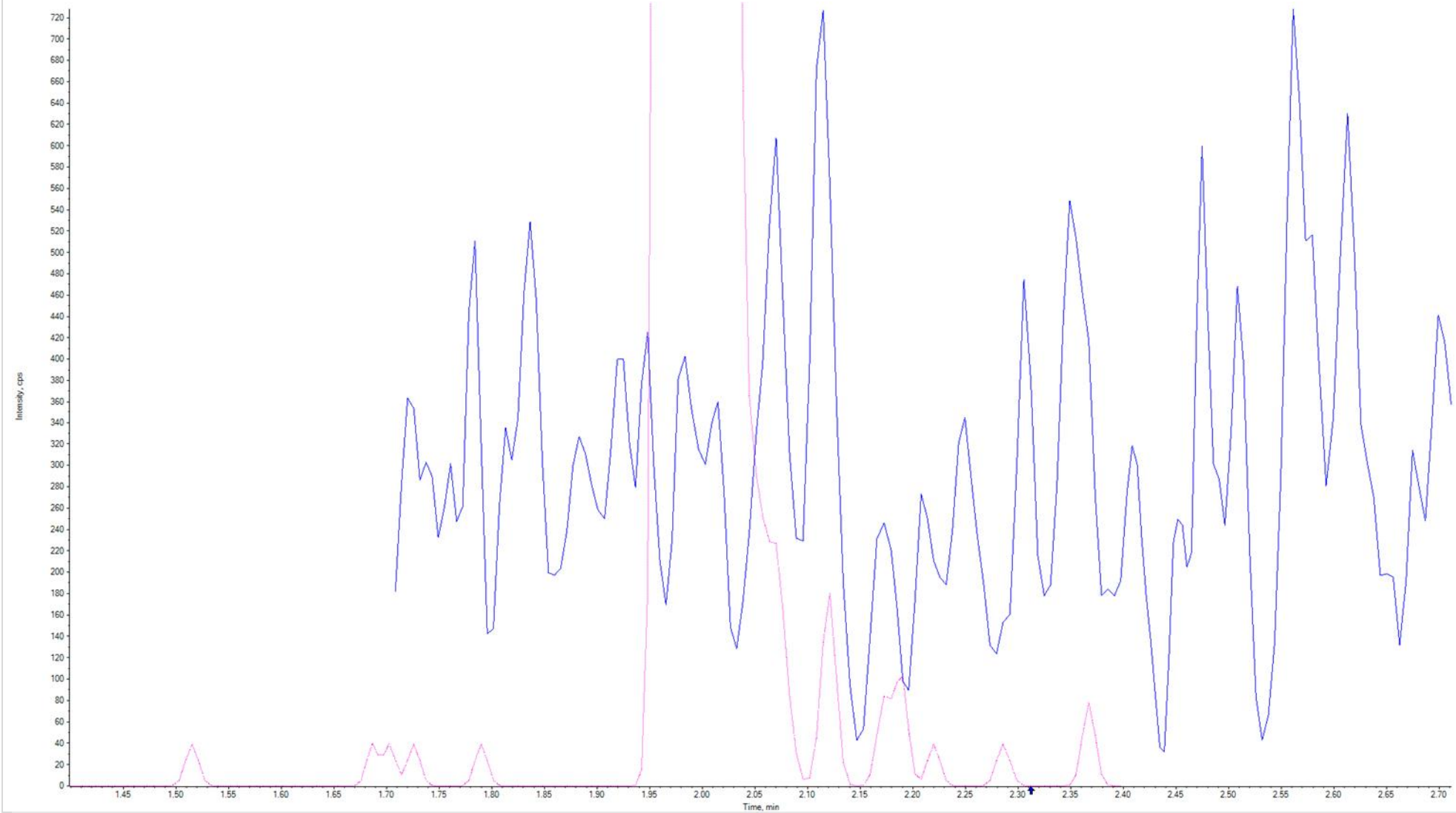
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7:3FTCA_2
Sample: WG2009822-2,INSTBLNK S/N:136.5 Points Across peak:22

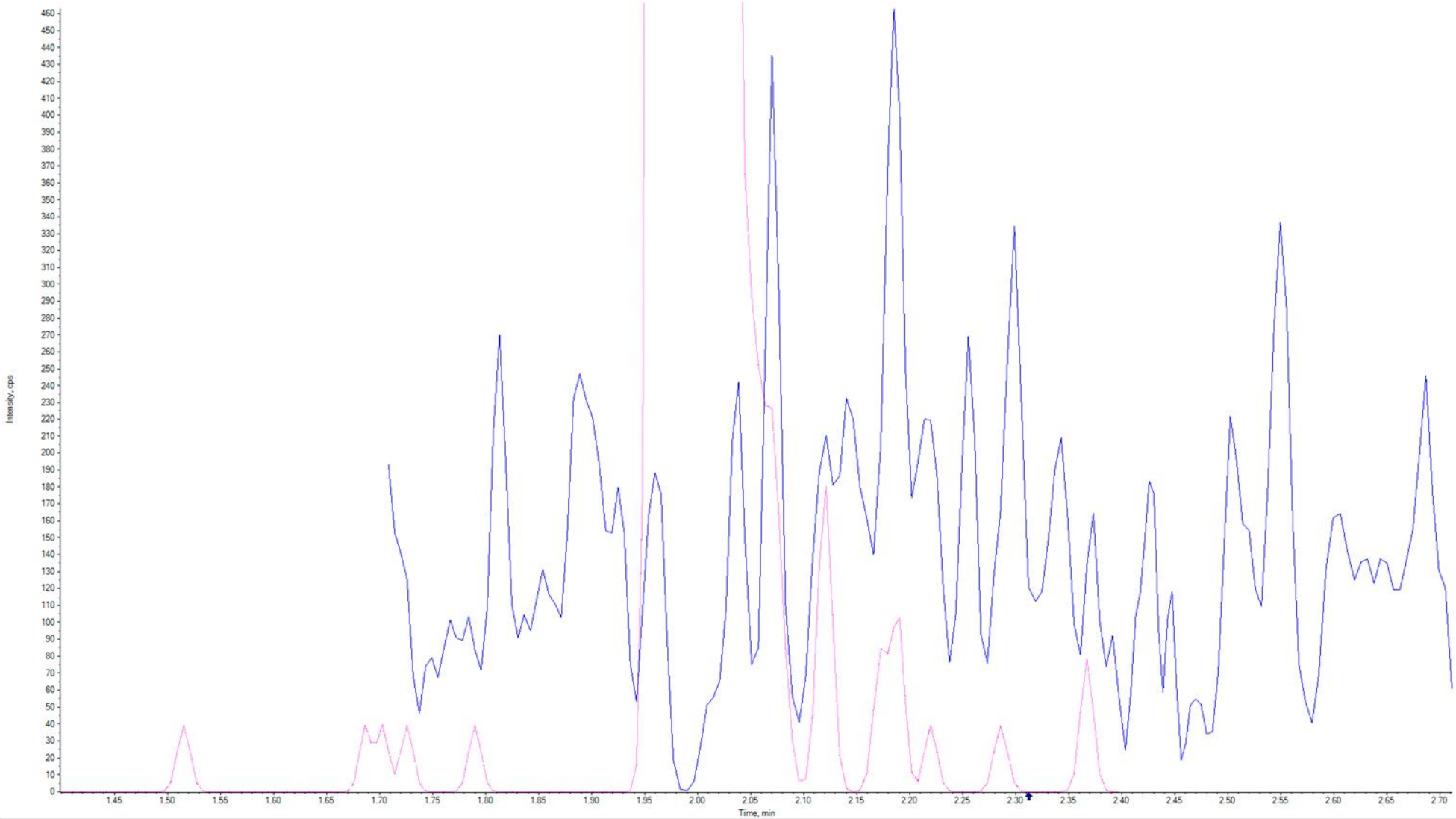


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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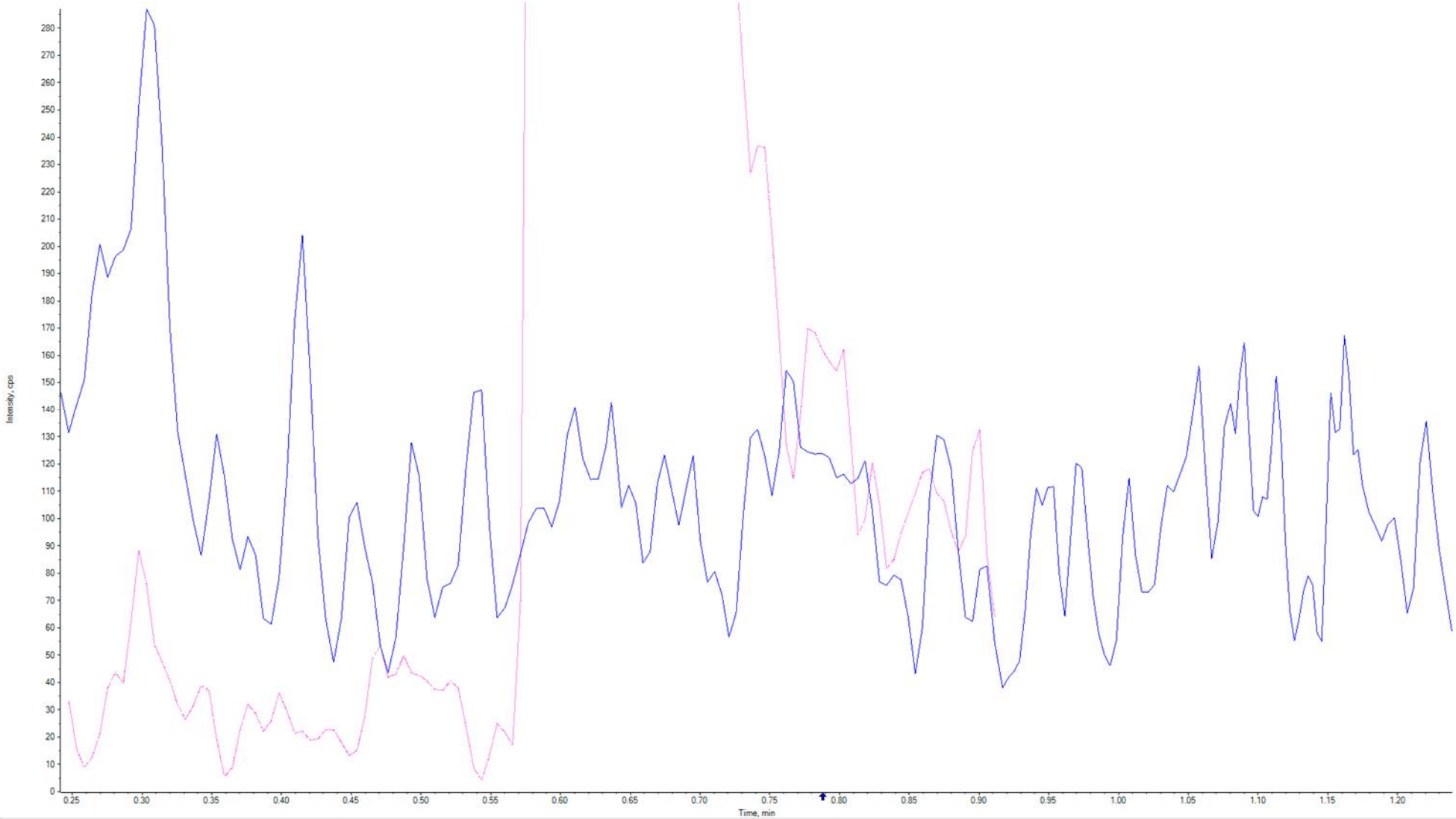
PFEESA
Sample: WG2009822-2,INSTBLNK S/N:N/A Points Across peak:N/A



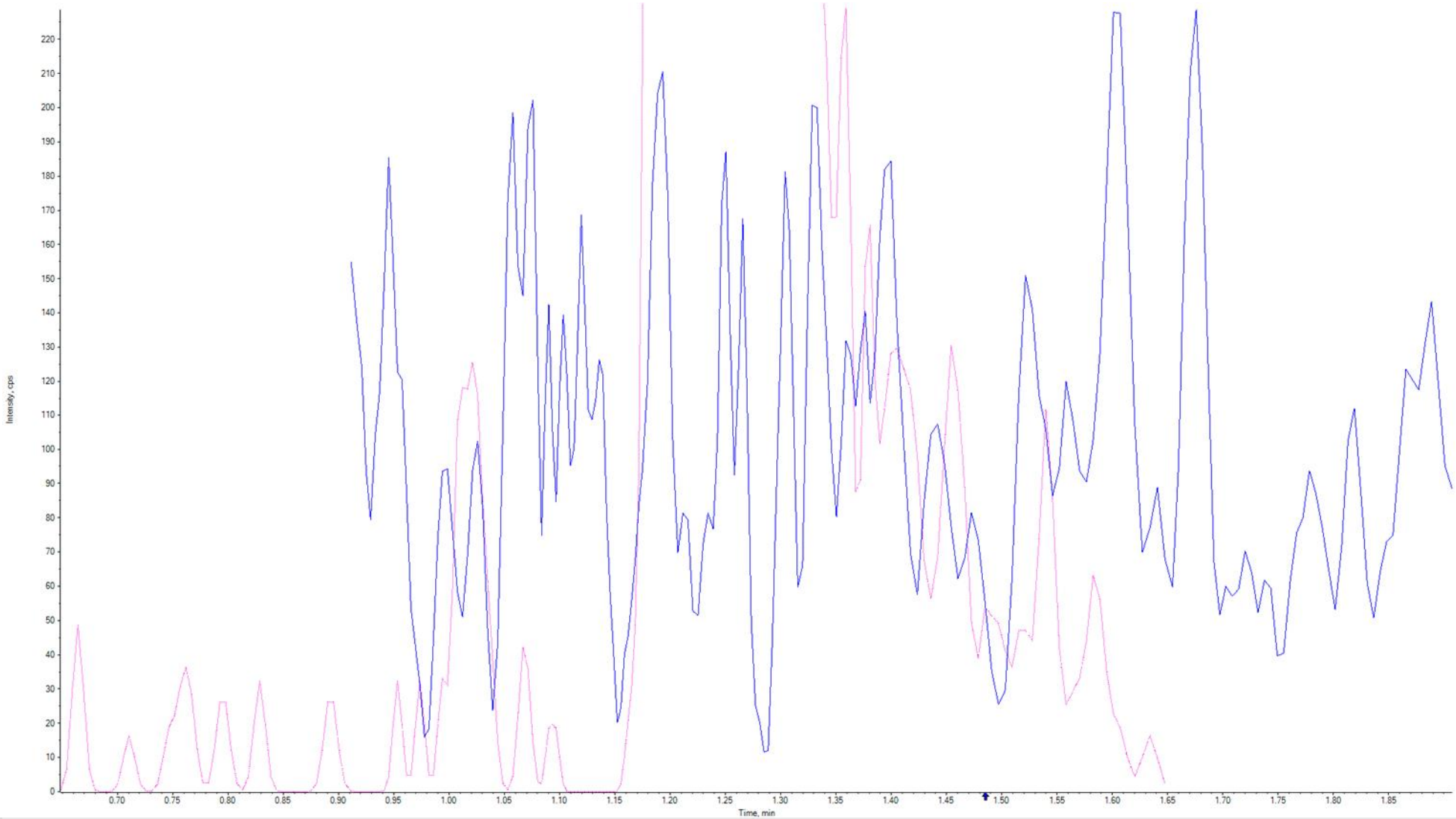
PFEESA_2
Sample: WG2009822-2,INSTBLNK S/N:N/A Points Across peak:N/A



PFMPA
Sample: WG2009822-2,INSTBLNK S/N:N/A Points Across peak:N/A

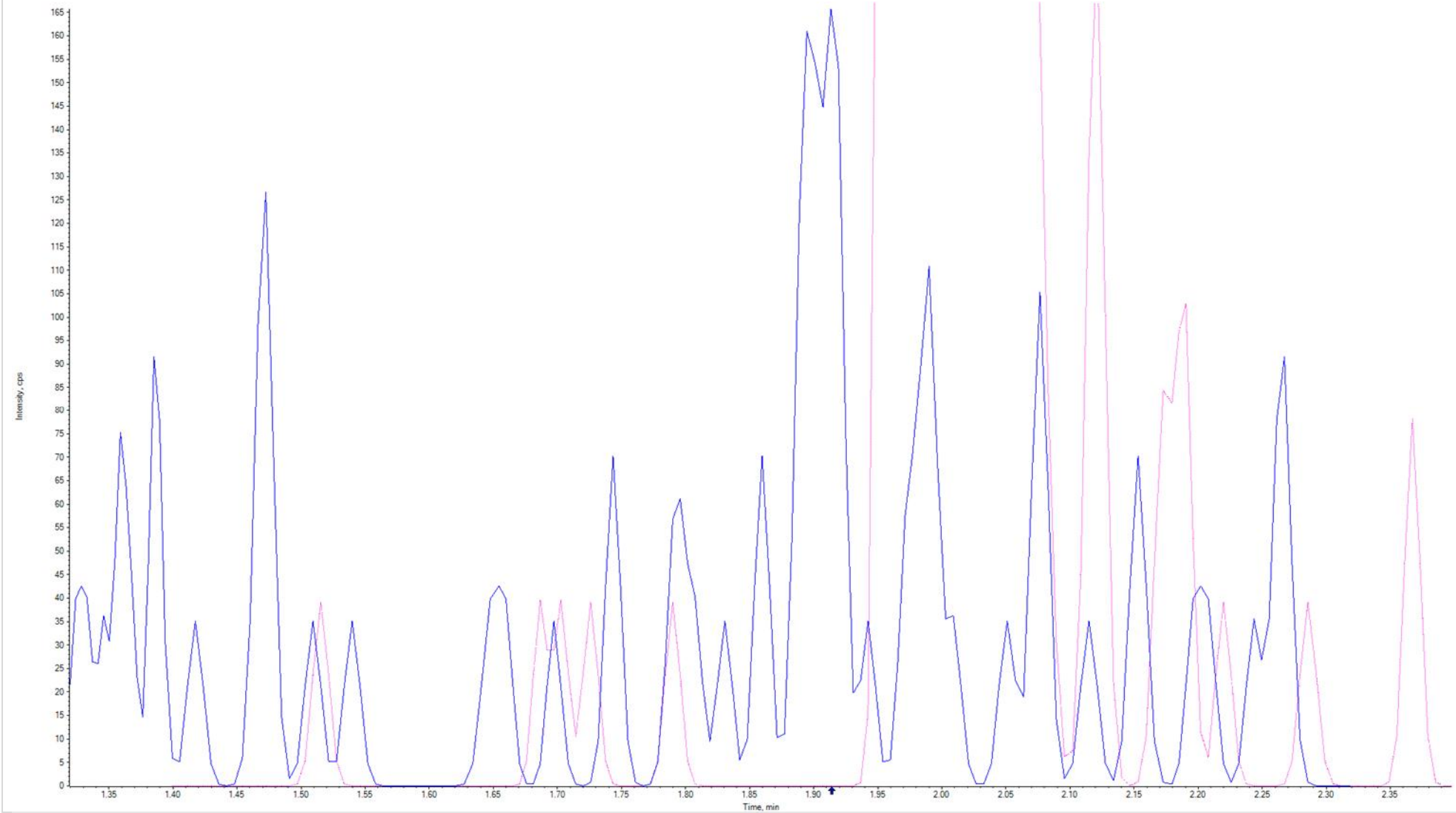


PFMBA
Sample: WG2009822-2,INSTBLNK S/N:N/A Points Across peak:N/A



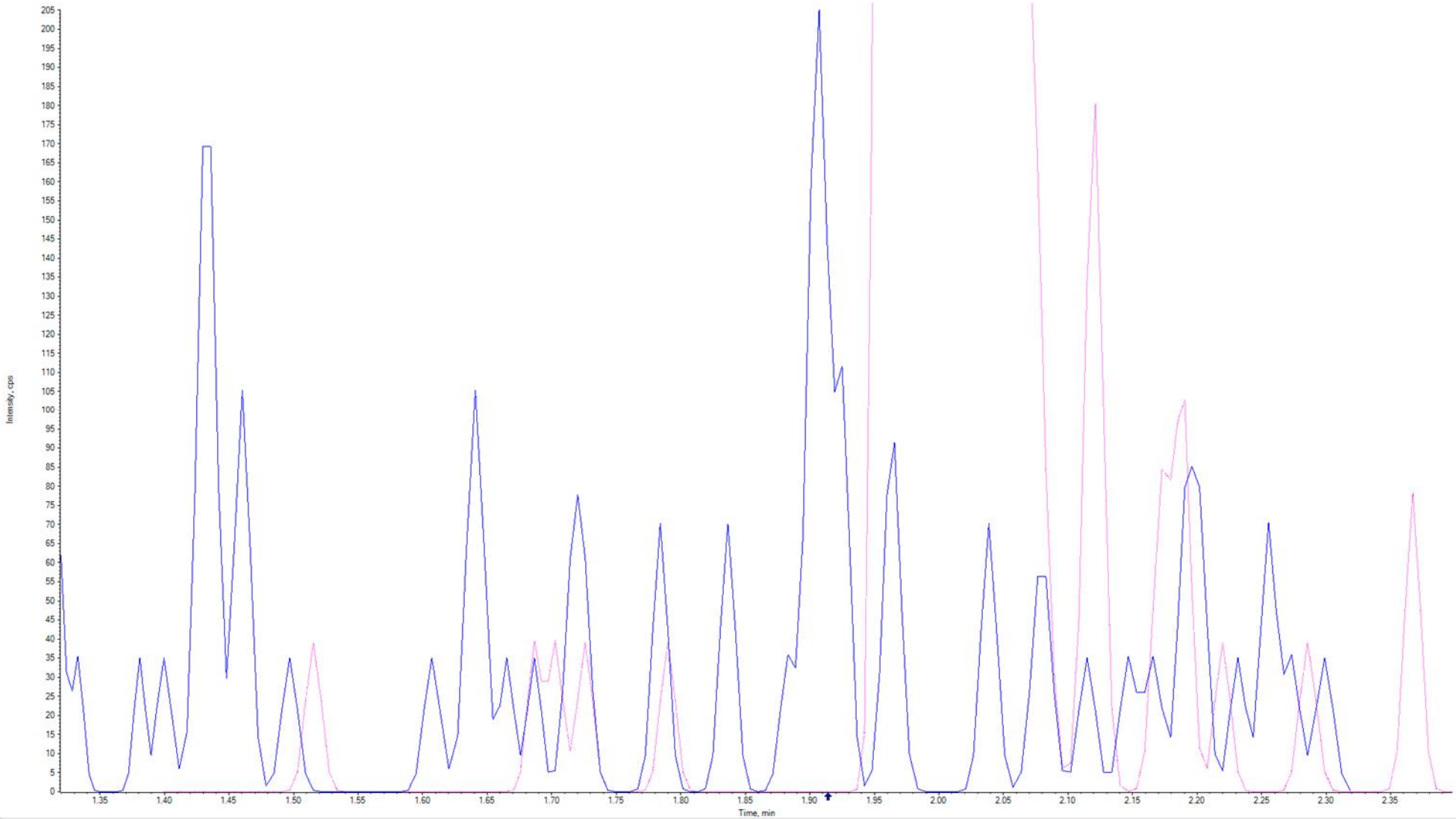
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Alpha Analytical LLC
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NFDHA
Sample: WG2009822-2,INSTBLNK S/N:N/A Points Across peak:N/A



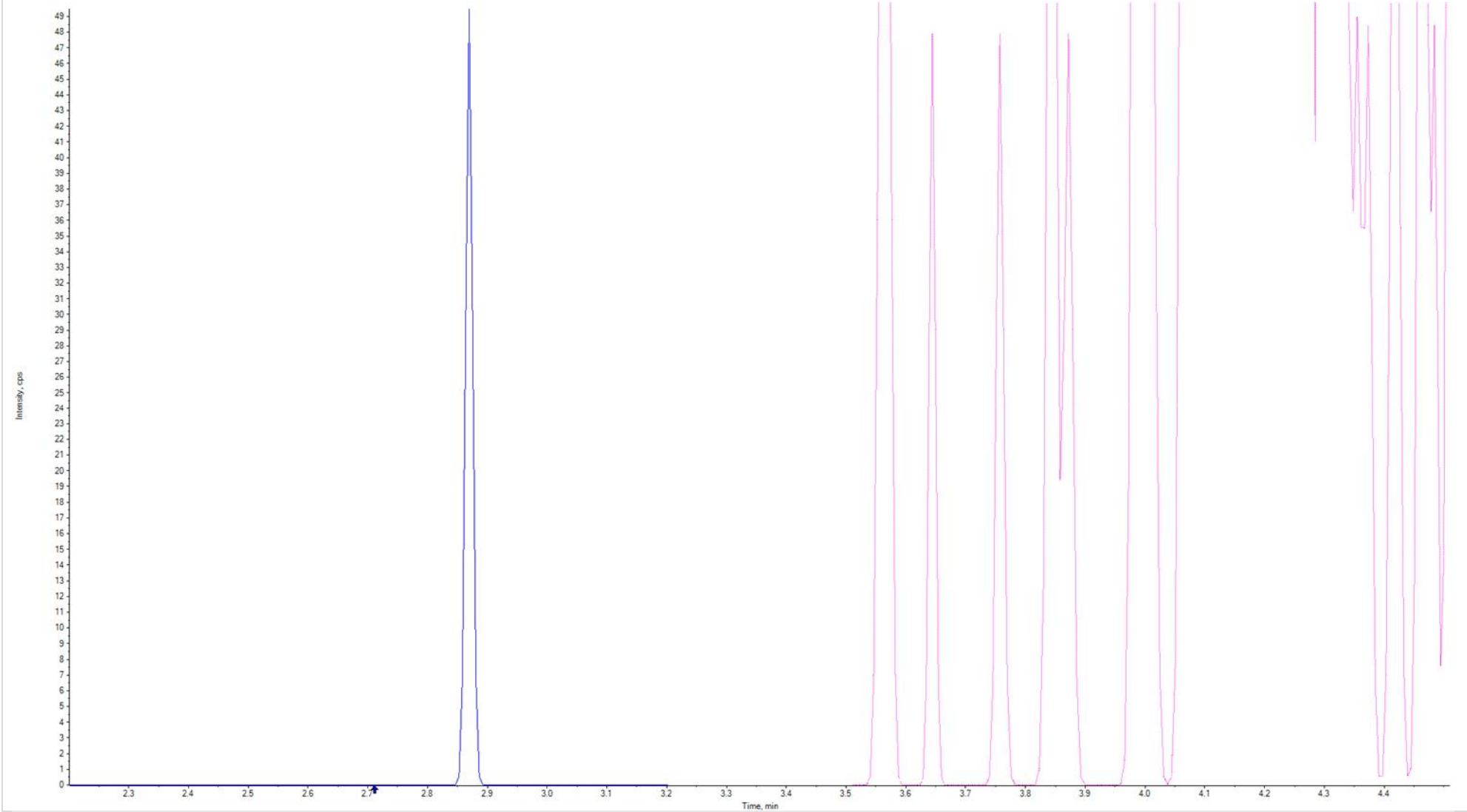
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NFDHA_2
Sample: WG2009822-2,INSTBLNK S/N:N/A Points Across peak:N/A

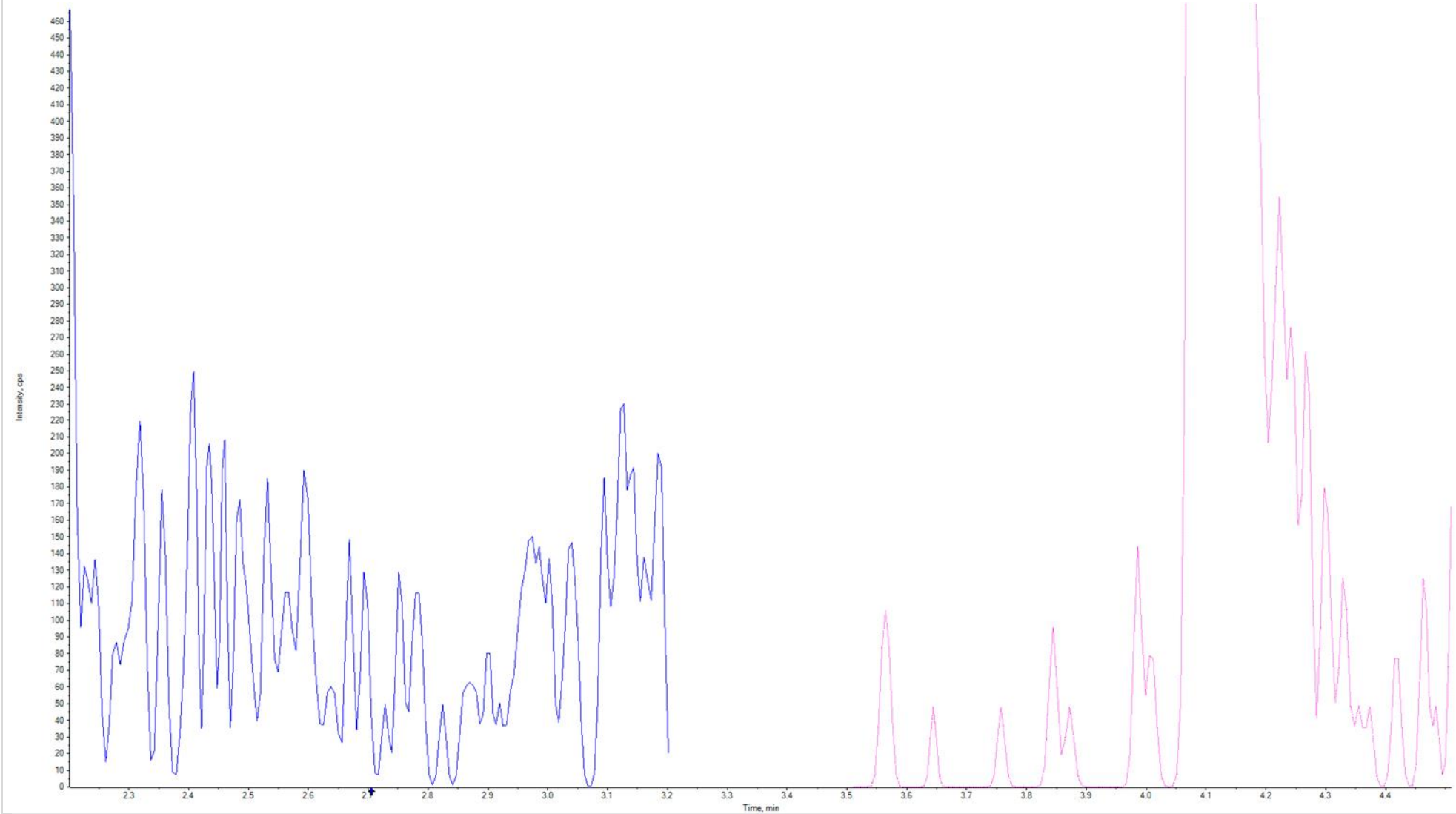


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TDCA
Sample: WG2009822-2,INSTBLNK S/N:N/A Points Across peak:N/A

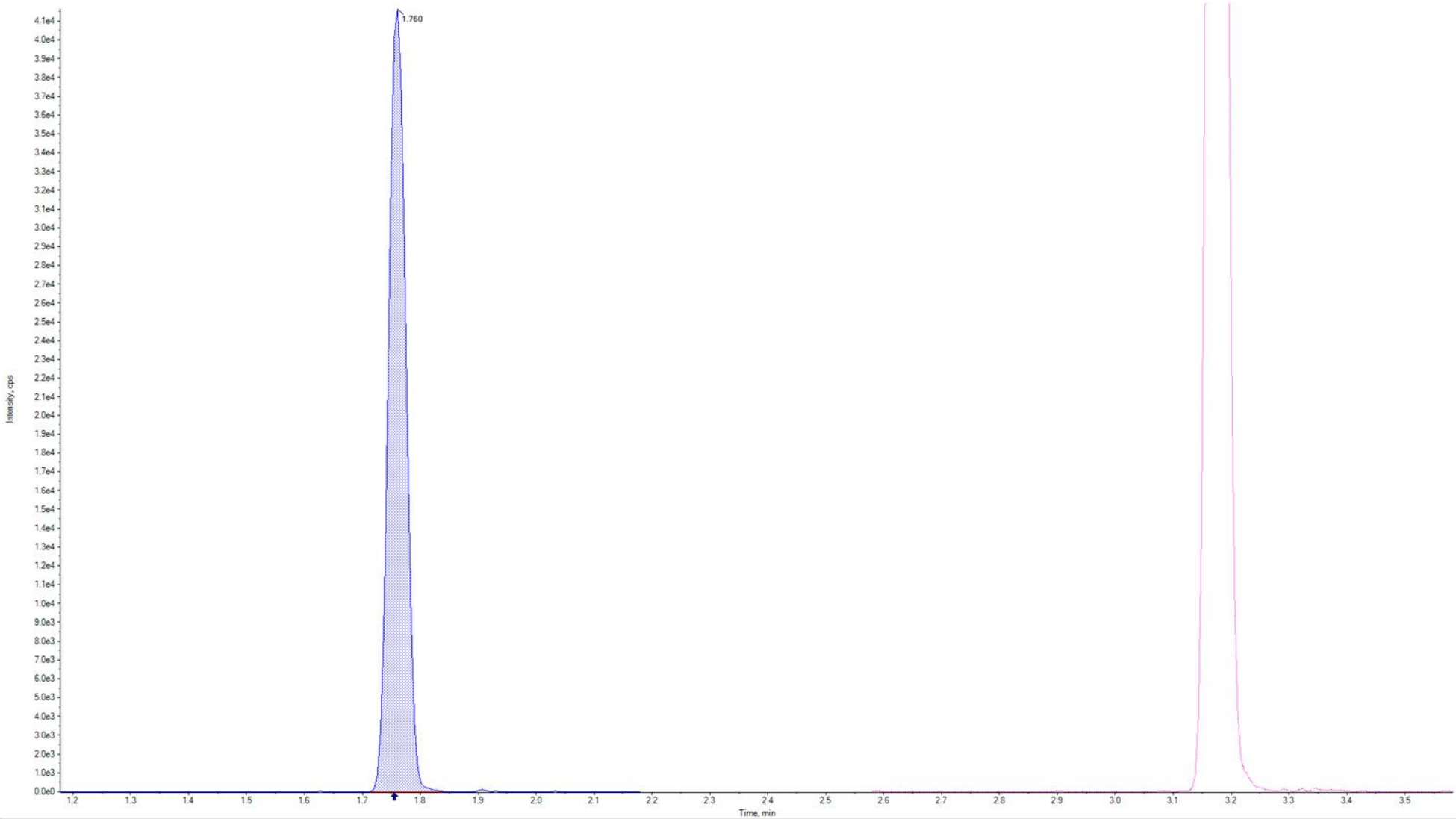


TDCA_2
Sample: WG2009822-2,INSTBLNK S/N:N/A Points Across peak:N/A



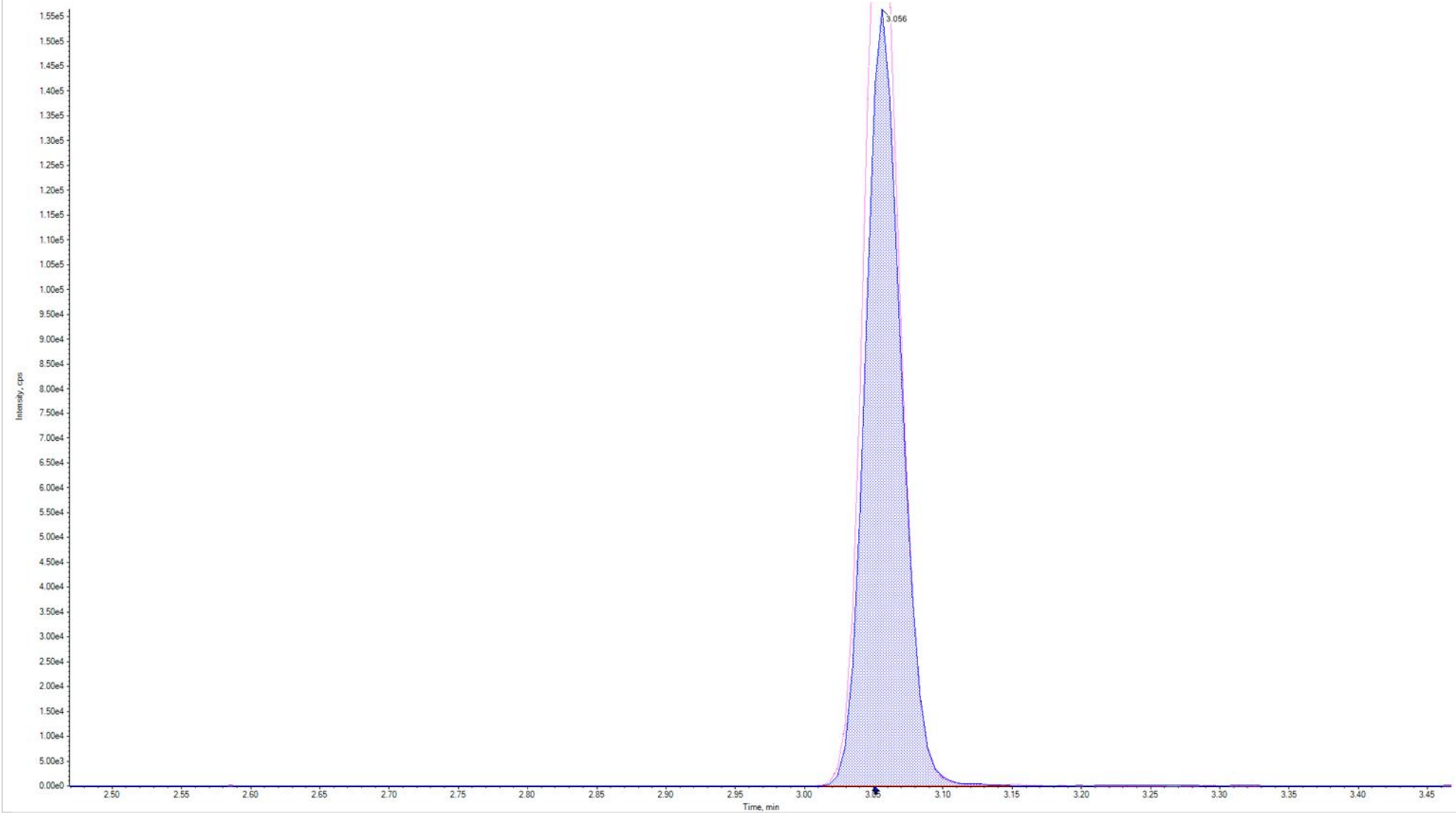
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Alpha Analytical LLC
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13C2D4-4:2FTS
Sample: WG2009822-2,INSTBLNK S/N:1565.3 Points Across peak:33

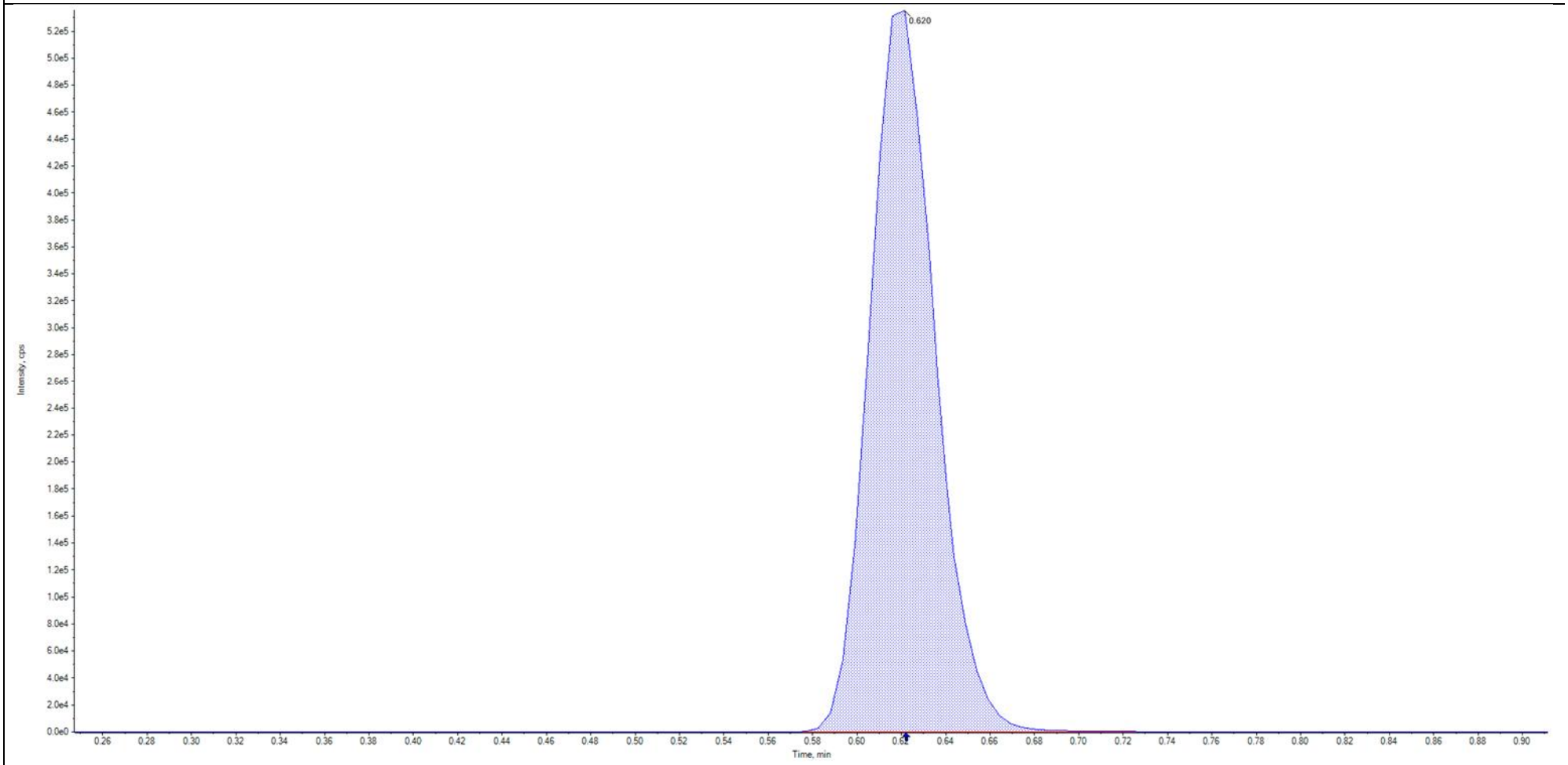


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13C2-PFOA
Sample: WG2009822-2,INSTBLNK S/N:3530.6 Points Across peak:36

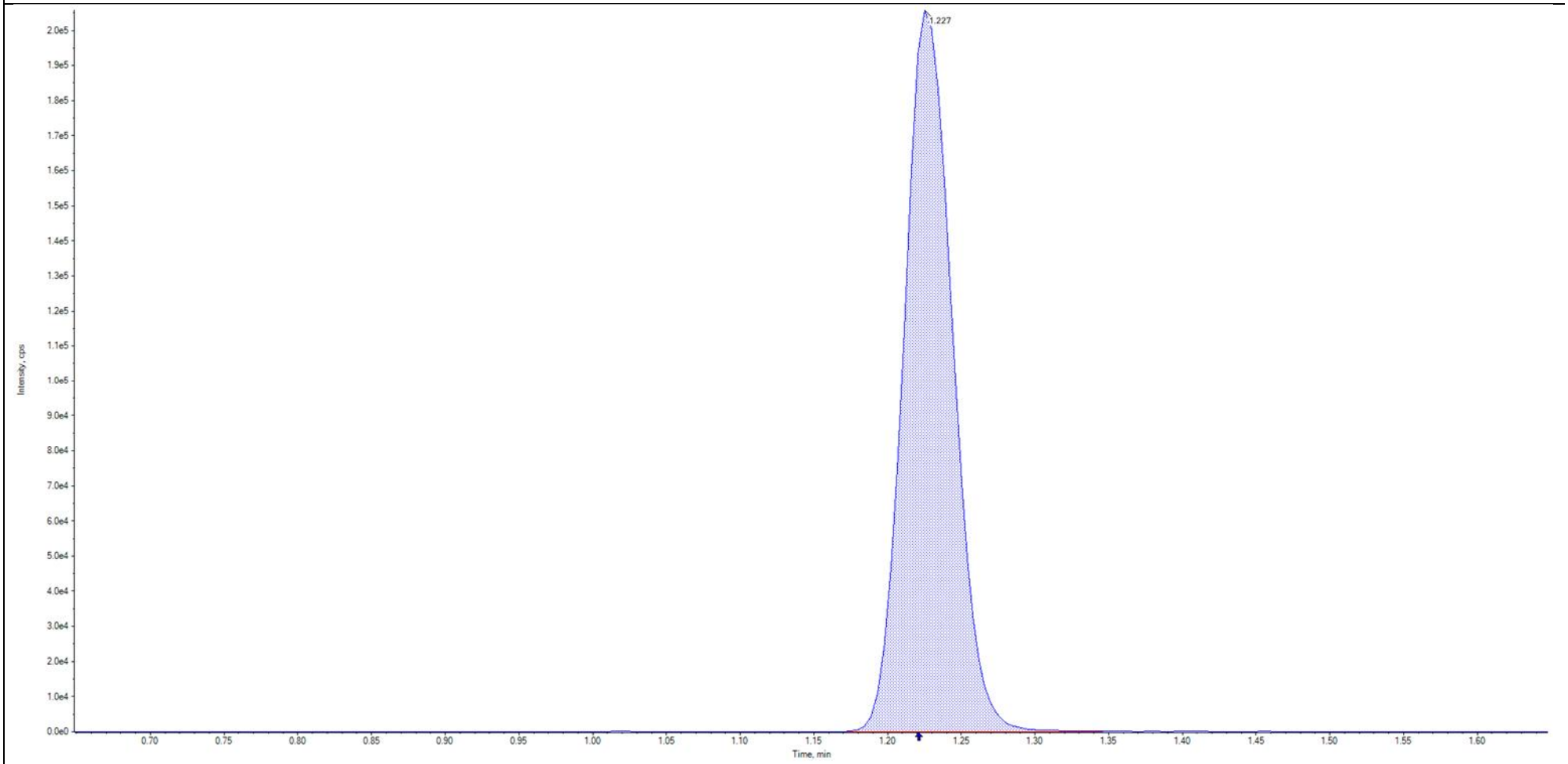


13C4-PFBA
Sample: WG2009822-2,INSTBLNK



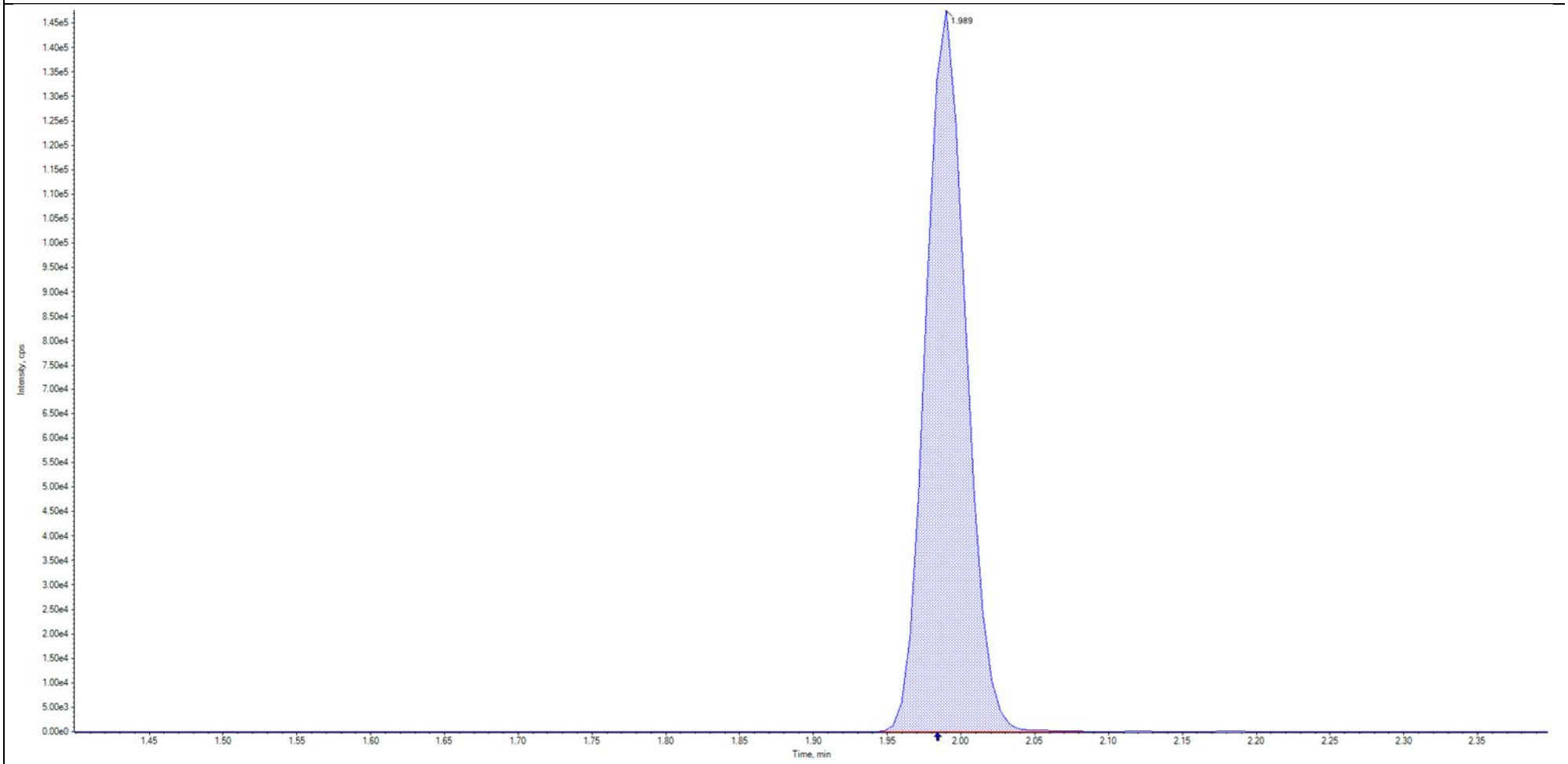
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Alpha Analytical LLC
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13C5-PFPeA
Sample: WG2009822-2,INSTBLNK

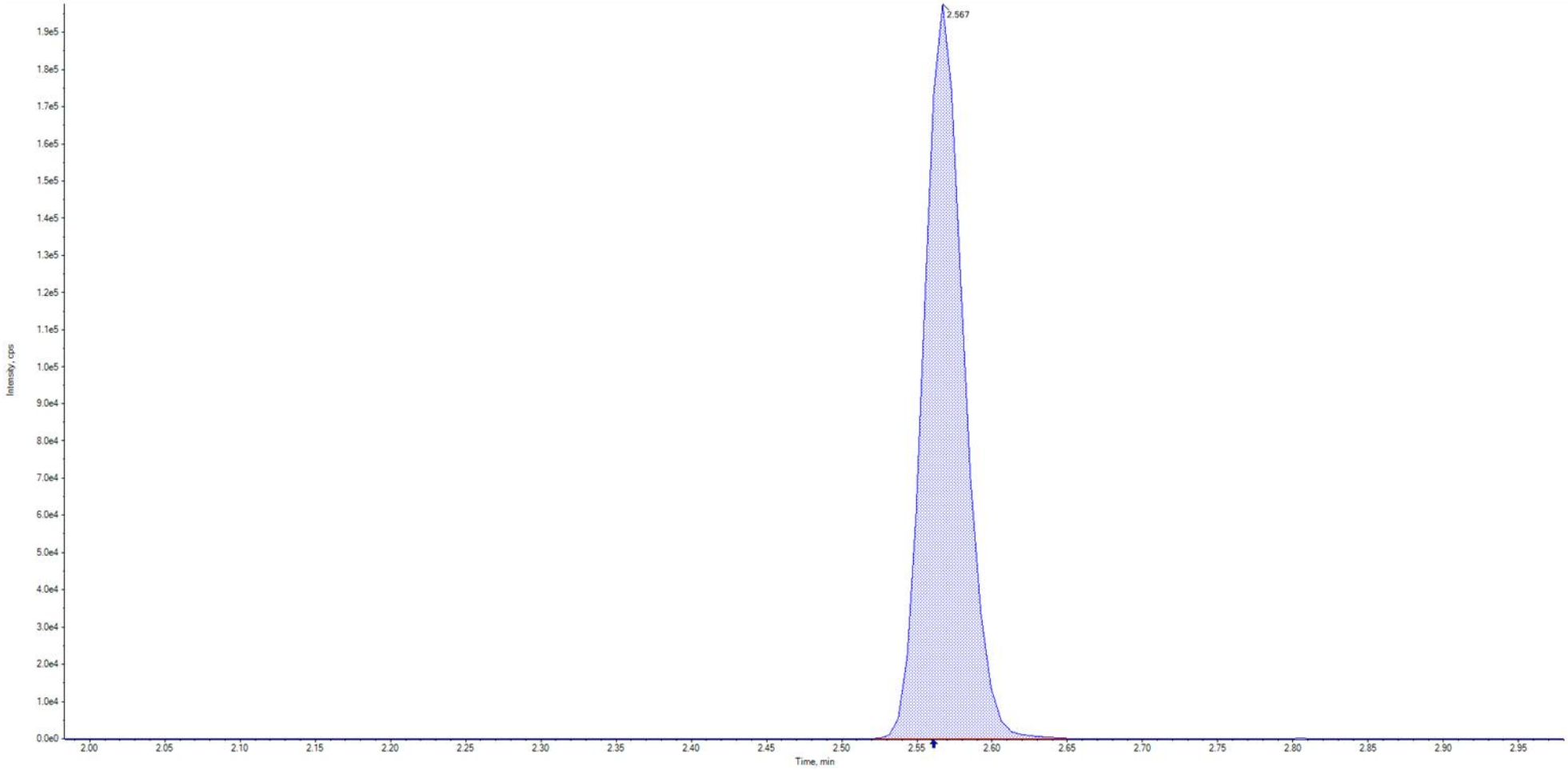


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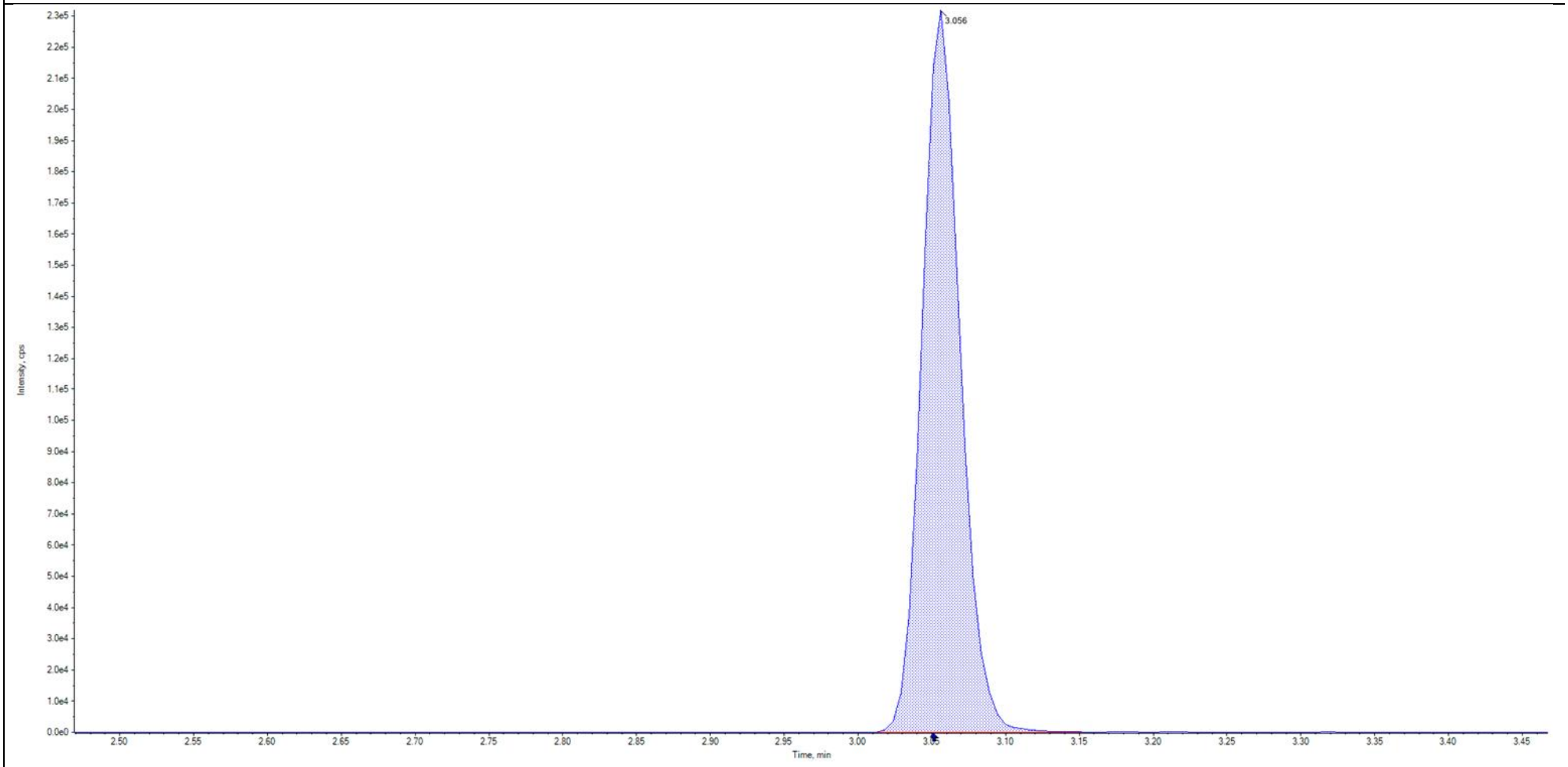
13C5-PFHxA
Sample: WG2009822-2,INSTBLNK



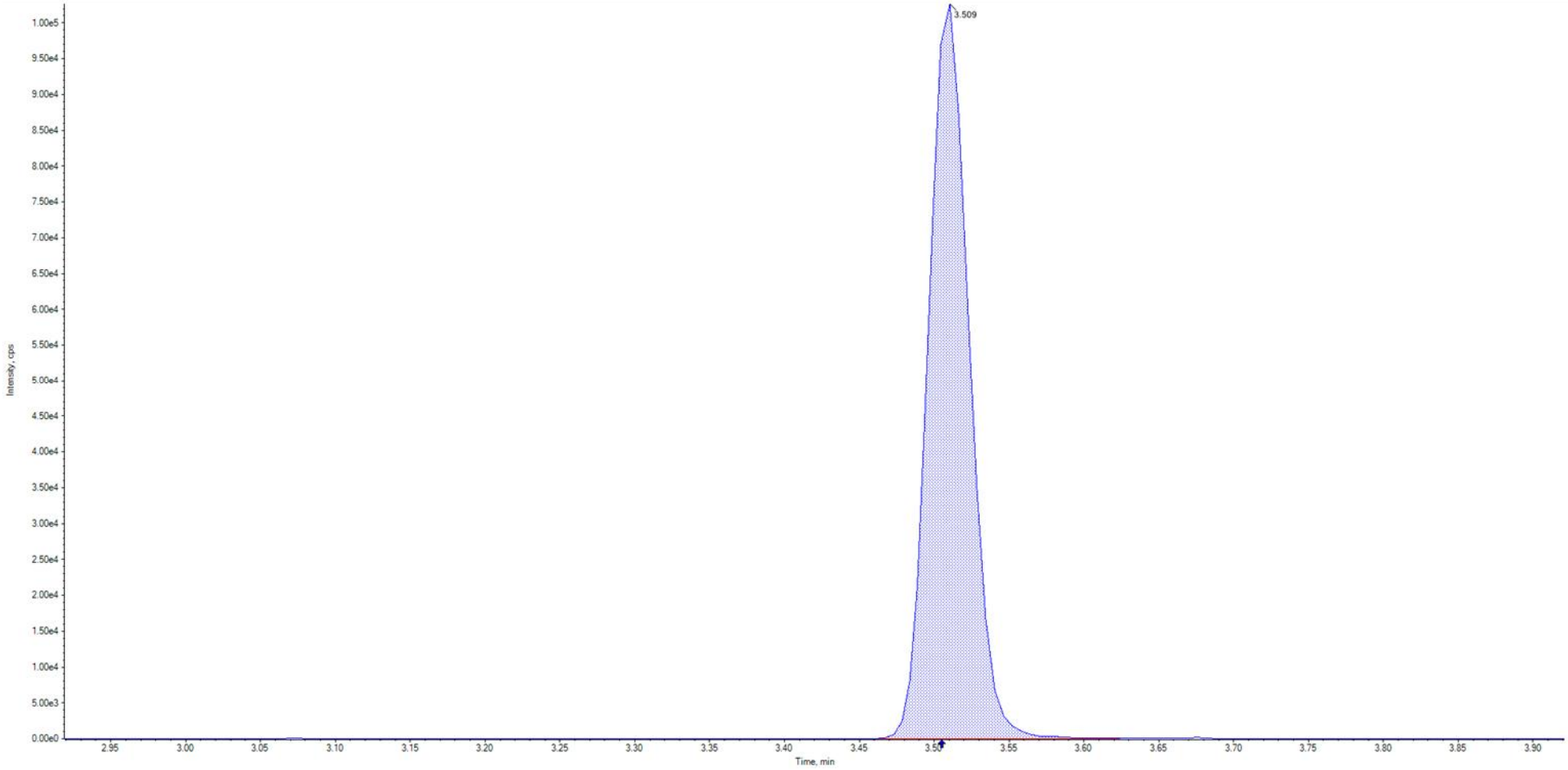
13C4-PFHpA
Sample: WG2009822-2,INSTBLNK



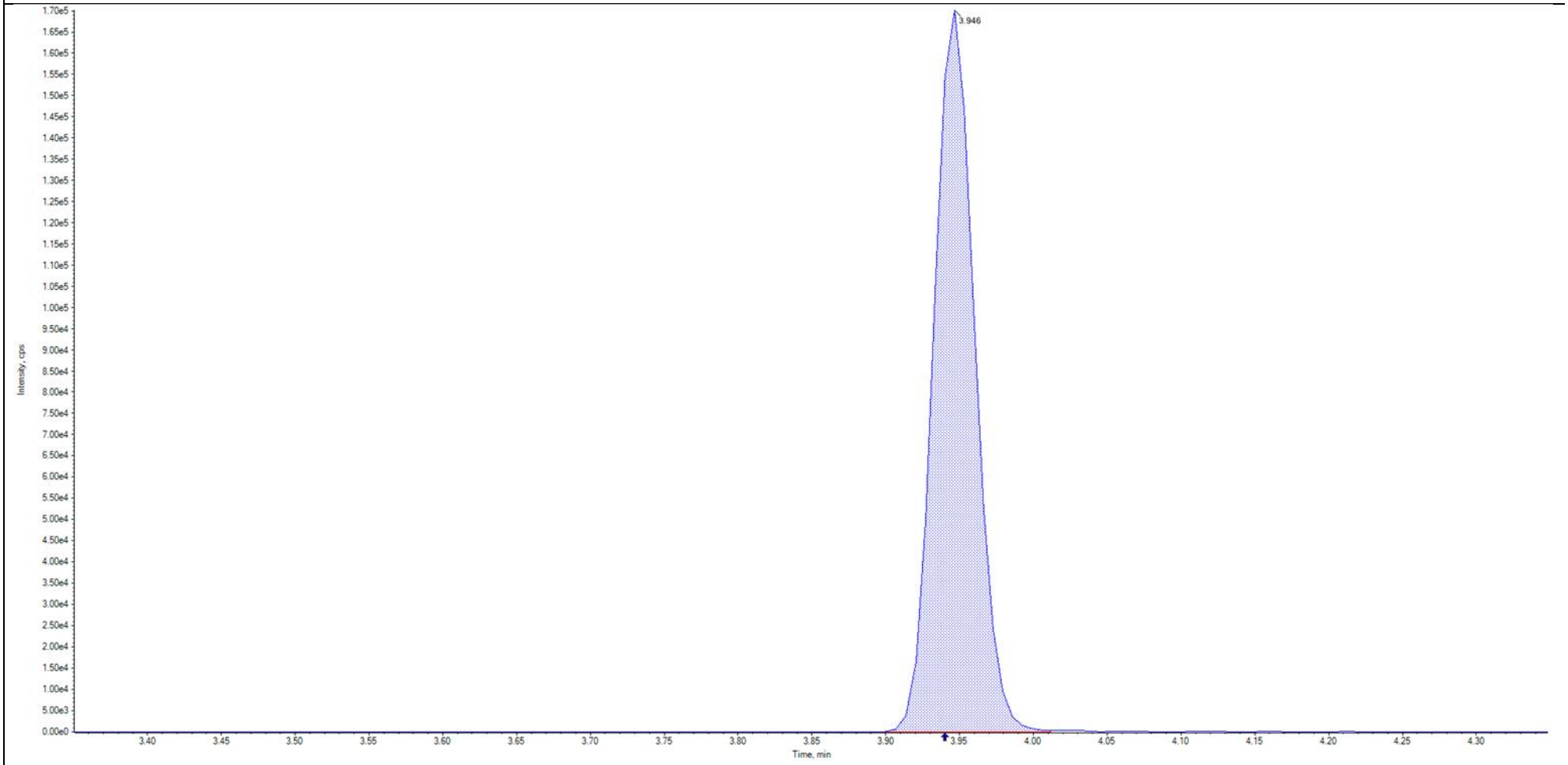
13C8-PFOA
Sample: WG2009822-2,INSTBLNK



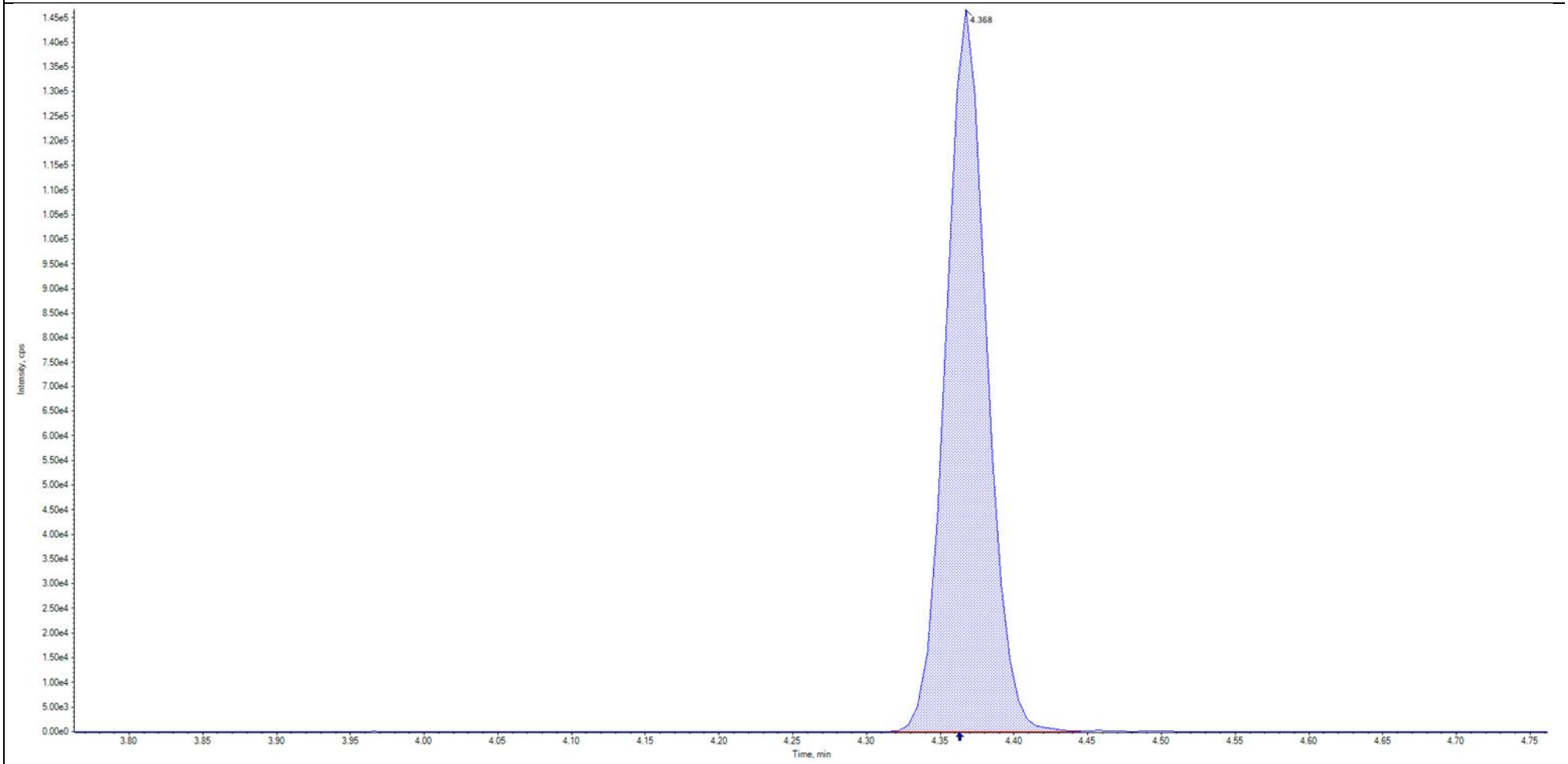
13C9-PFNA
Sample: WG2009822-2,INSTBLNK



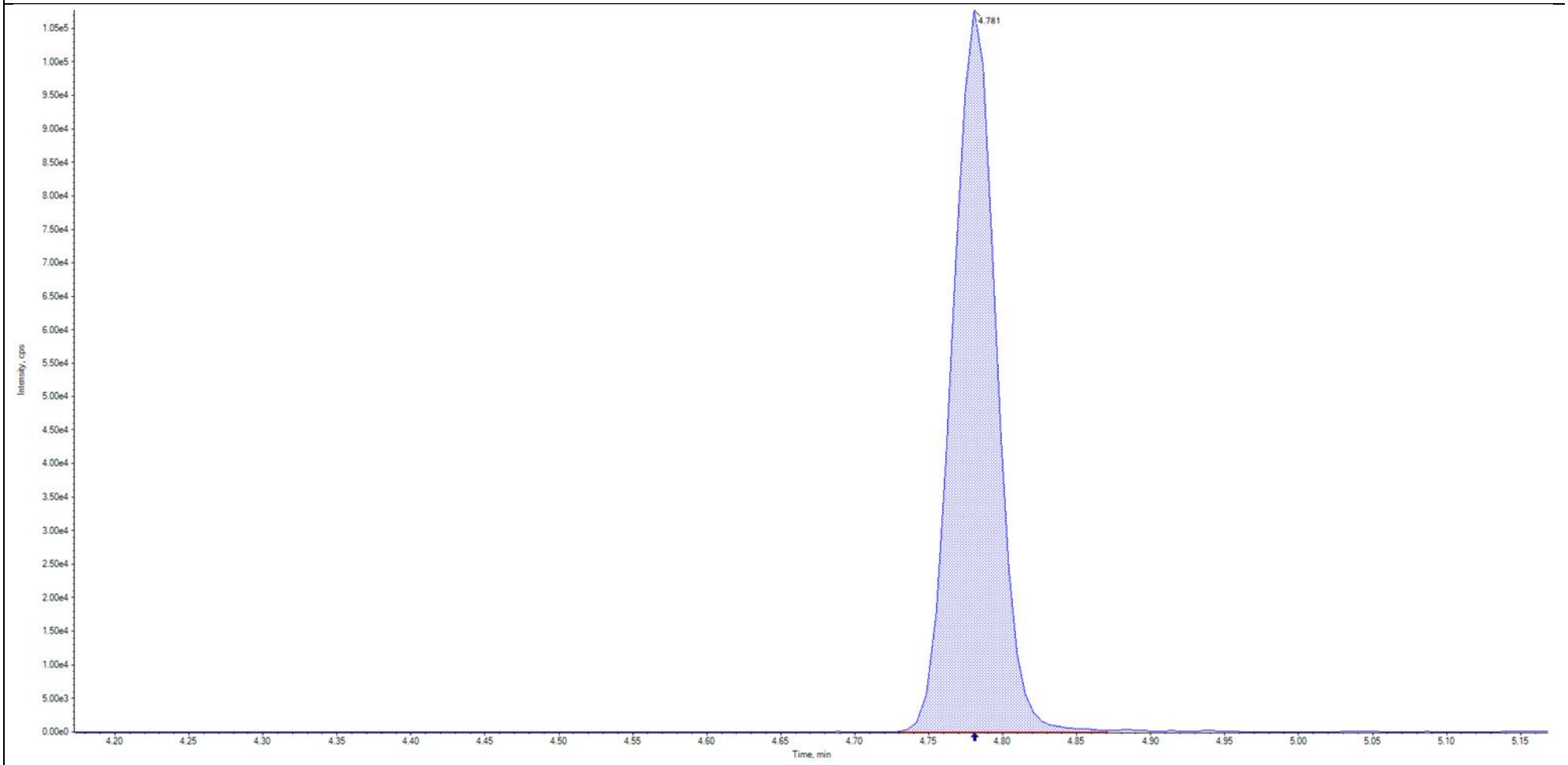
13C6-PFDA
Sample: WG2009822-2,INSTBLNK



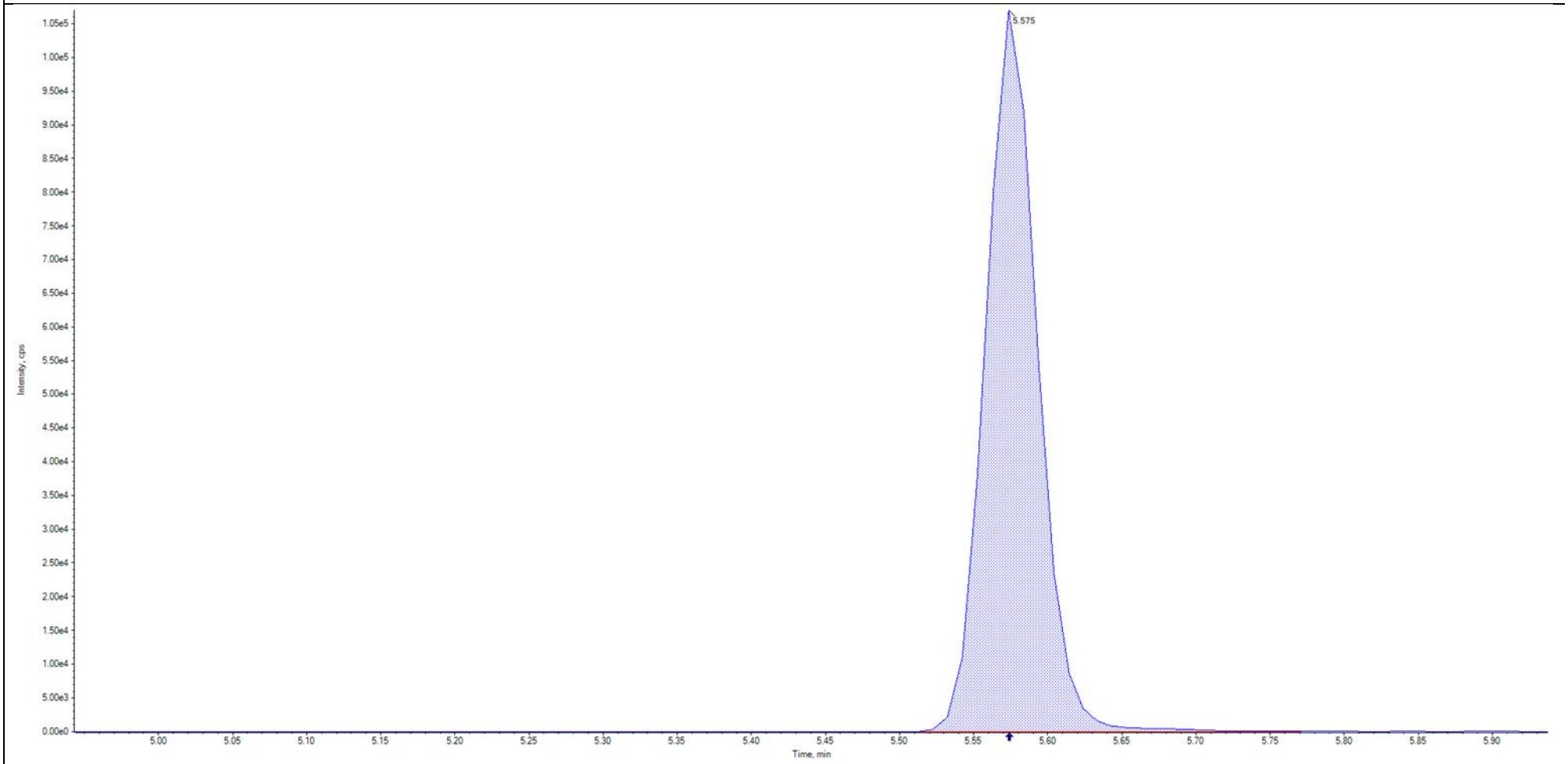
13C7-PFUnA
Sample: WG2009822-2,INSTBLNK



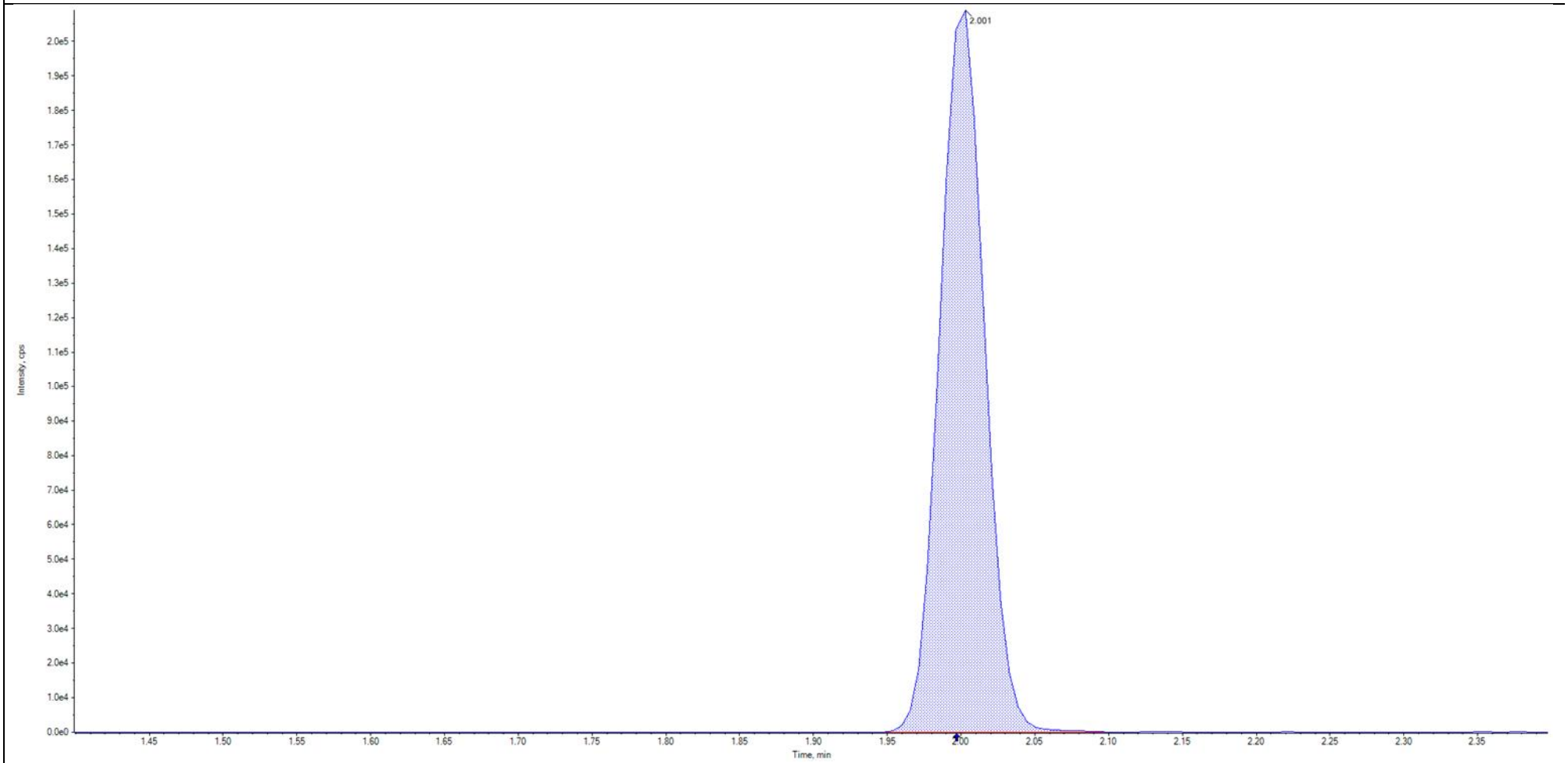
13C2-PFDoA
Sample: WG2009822-2,INSTBLNK



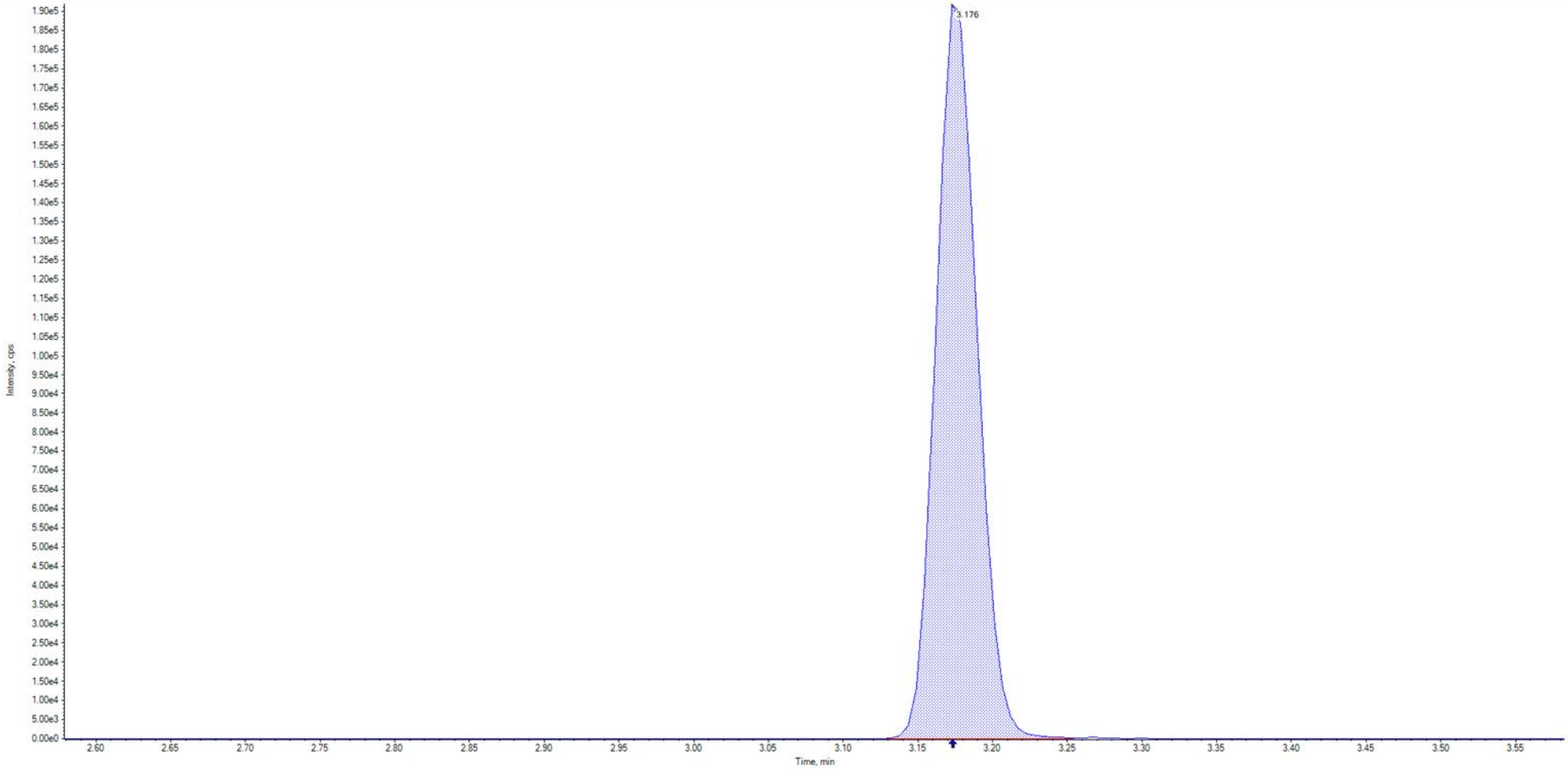
13C2-PFTeDA
Sample: WG2009822-2,INSTBLNK



13C3-PFBS
Sample: WG2009822-2,INSTBLNK

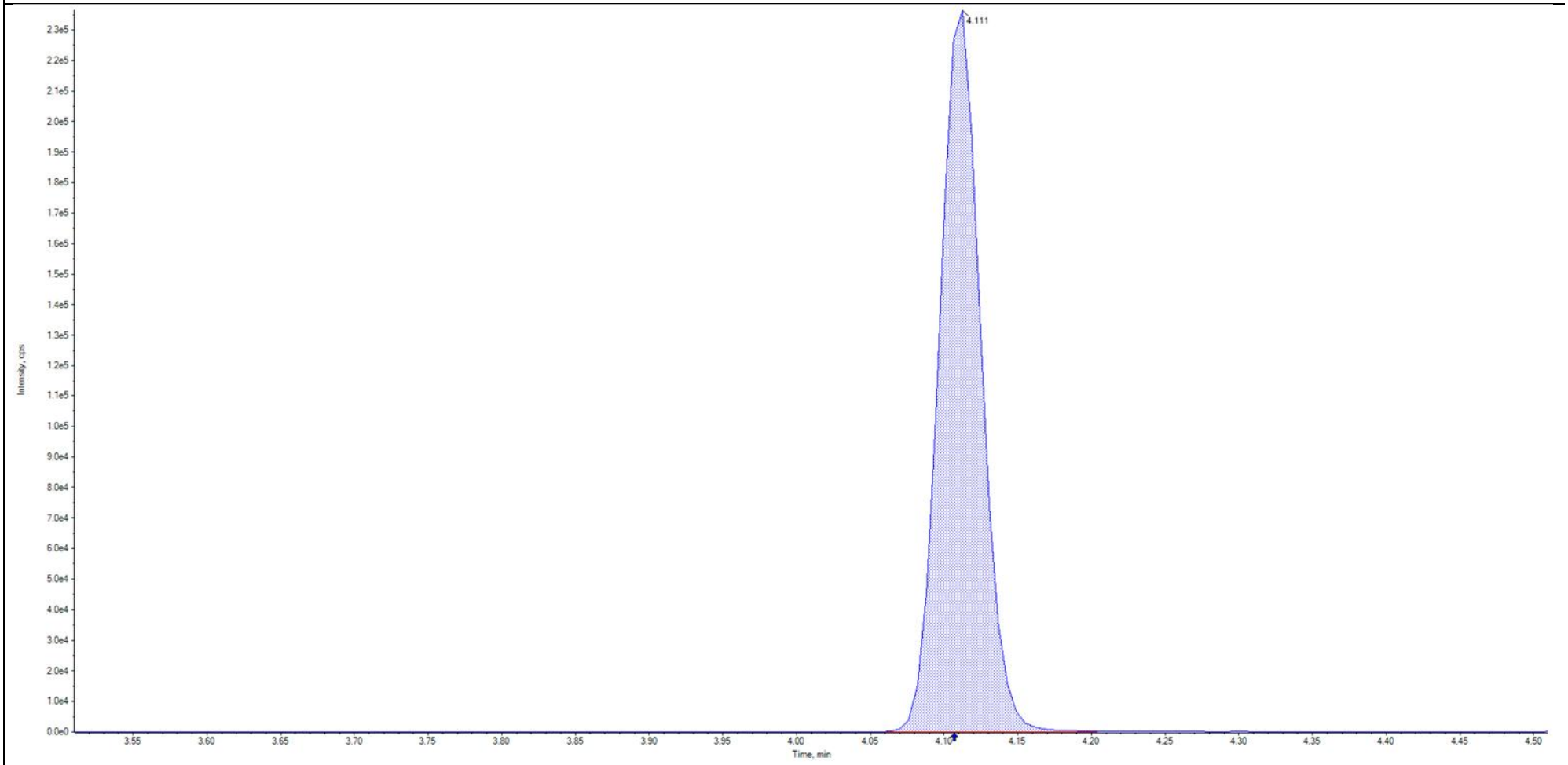


13C3-PFHxS
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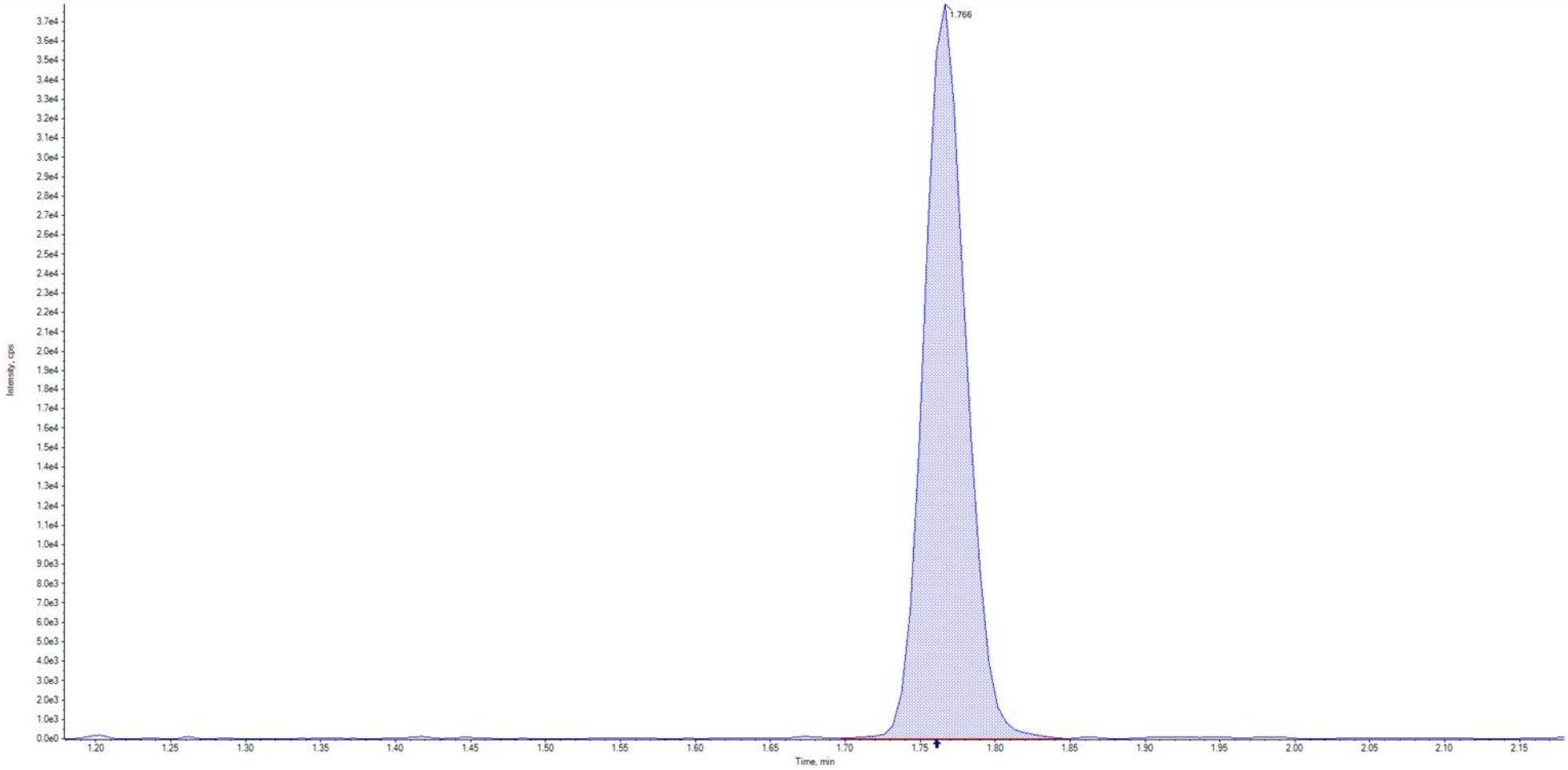


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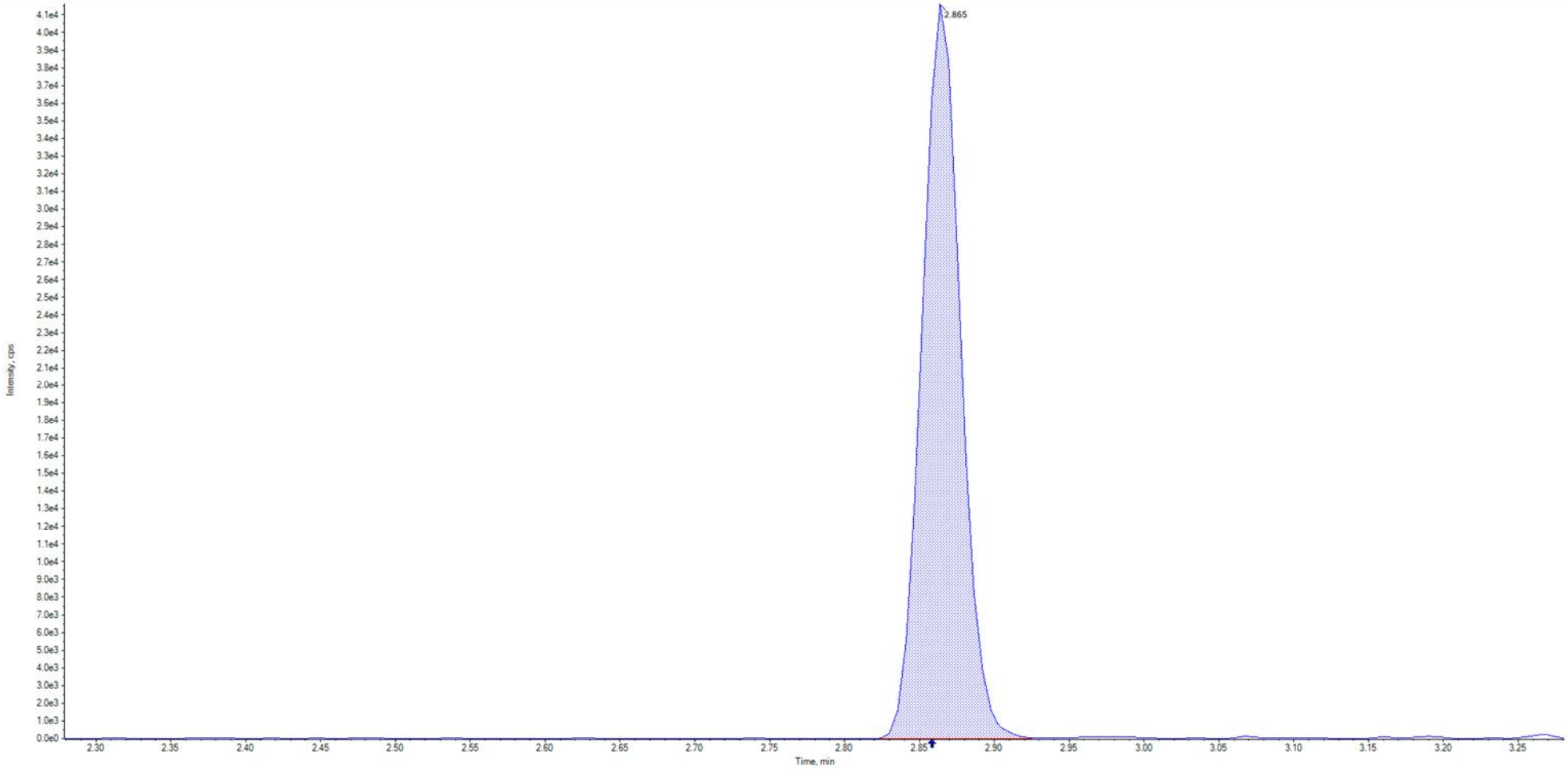
13C8-PFOS
Sample: WG2009822-2,INSTBLNK



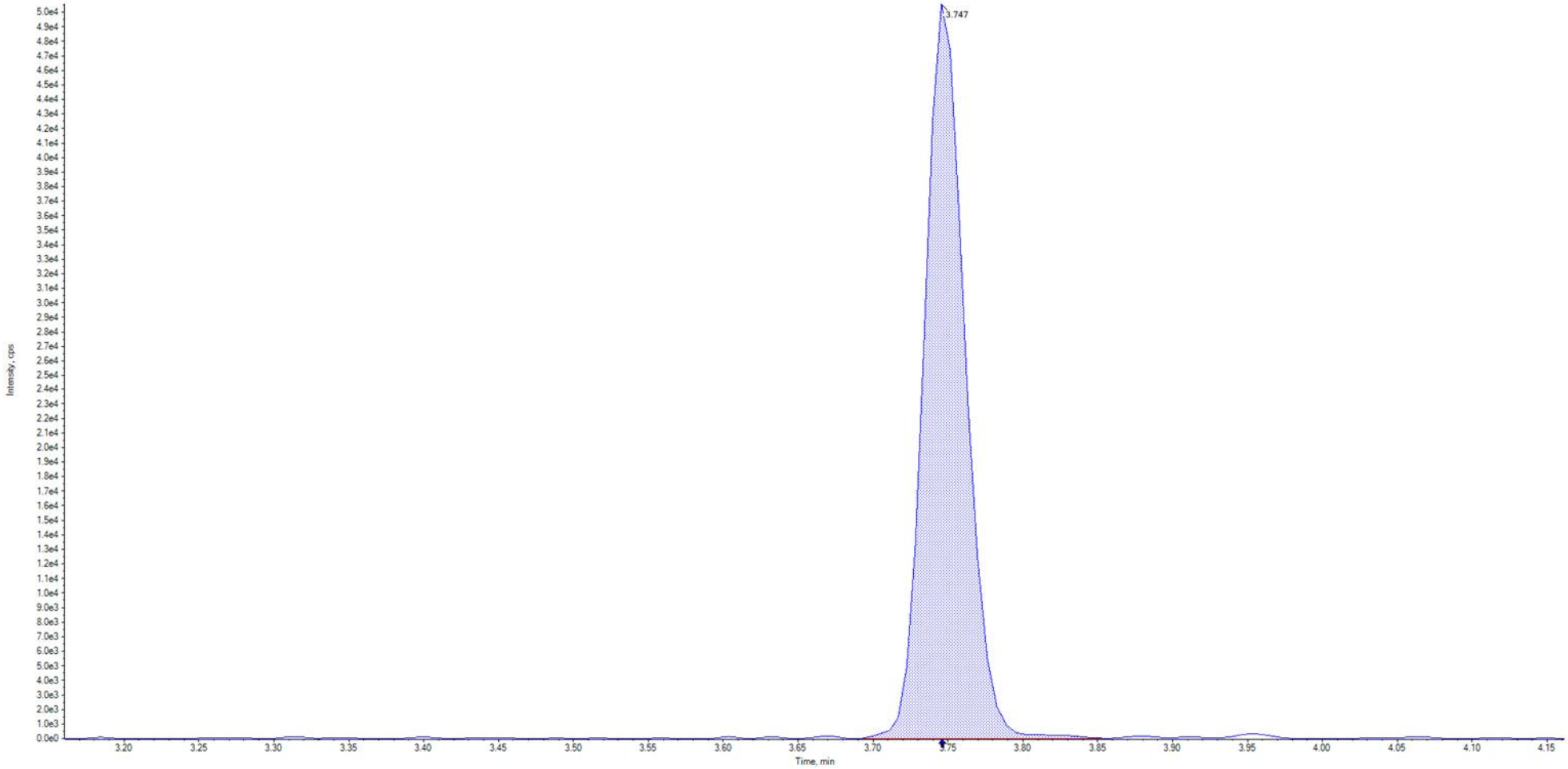
13C2-4:2FTS
Sample: WG2009822-2,INSTBLNK



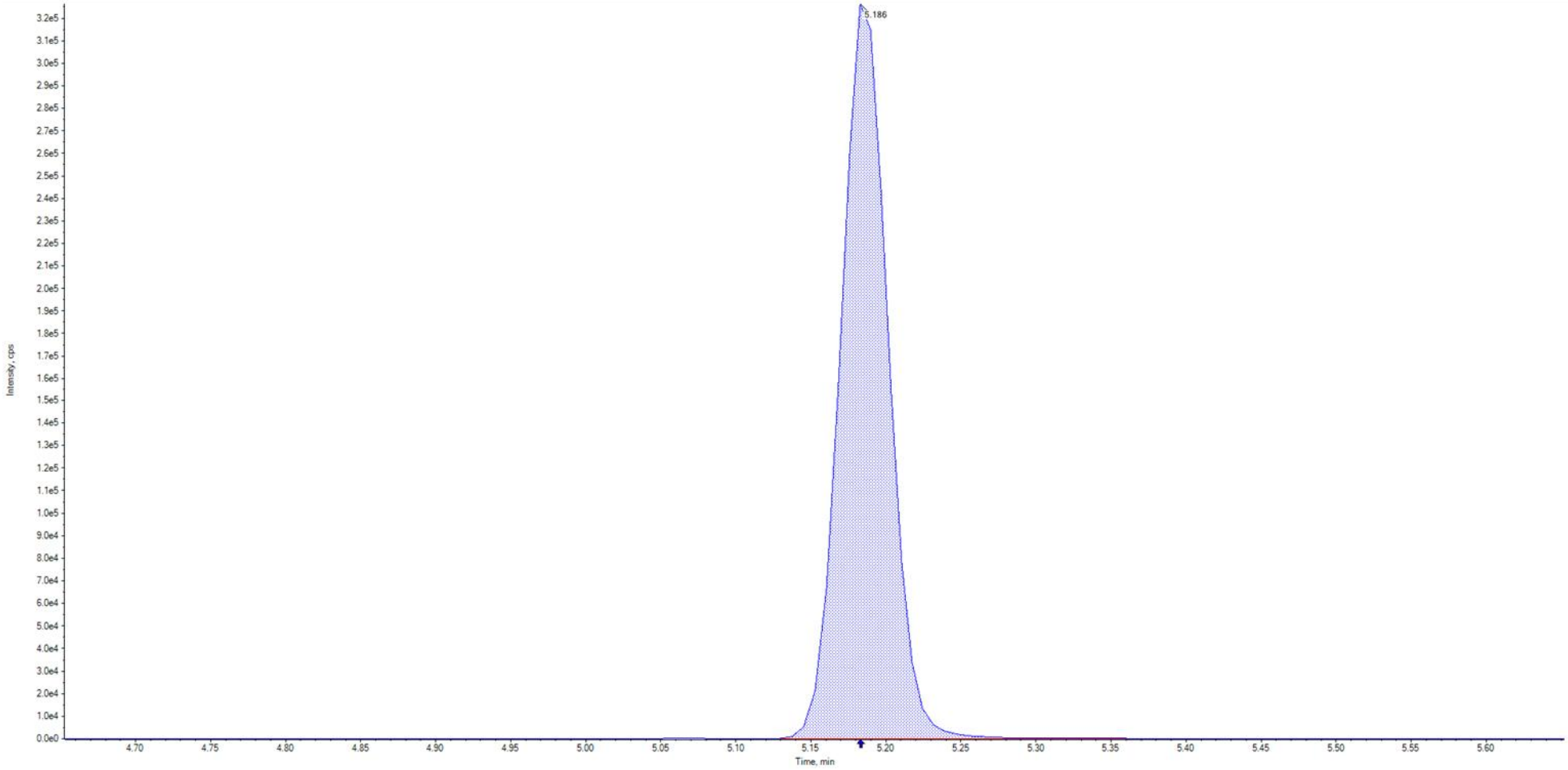
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Sample: WG2009822-2,INSTBLNK



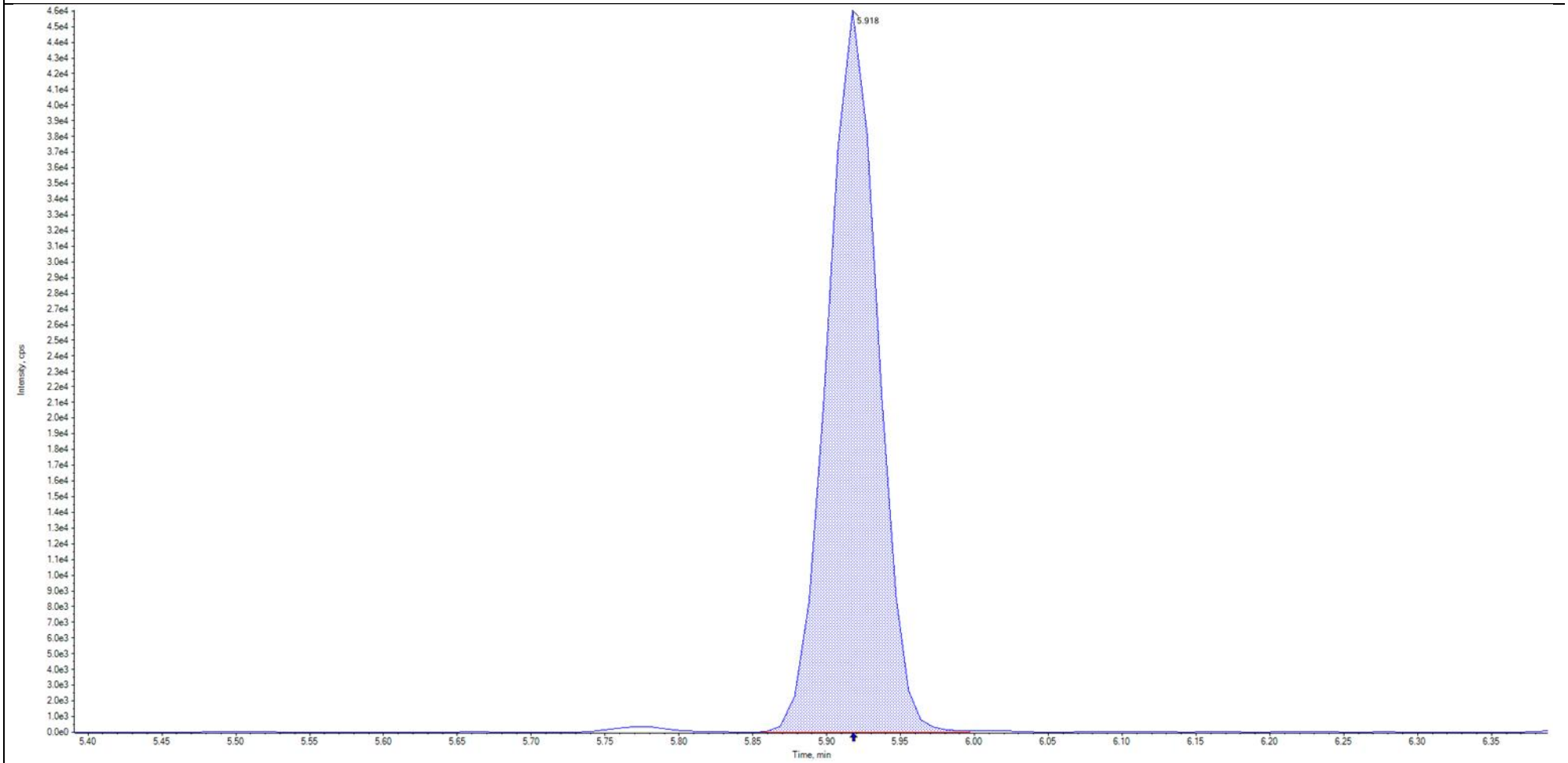
13C2-8:2FTS
Sample: WG2009822-2,INSTBLNK



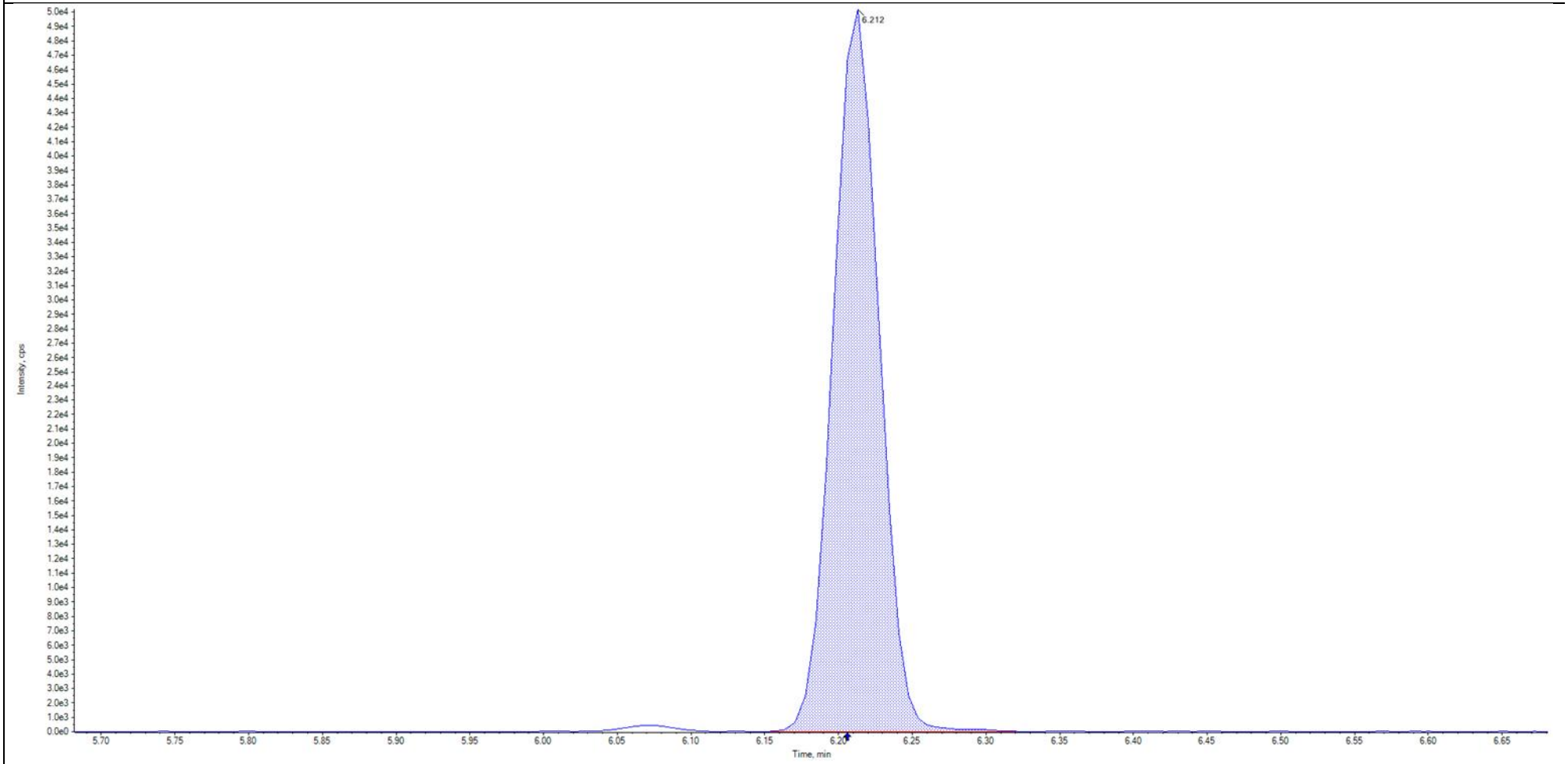
13C8-PFOSA
Sample: WG2009822-2,INSTBLNK



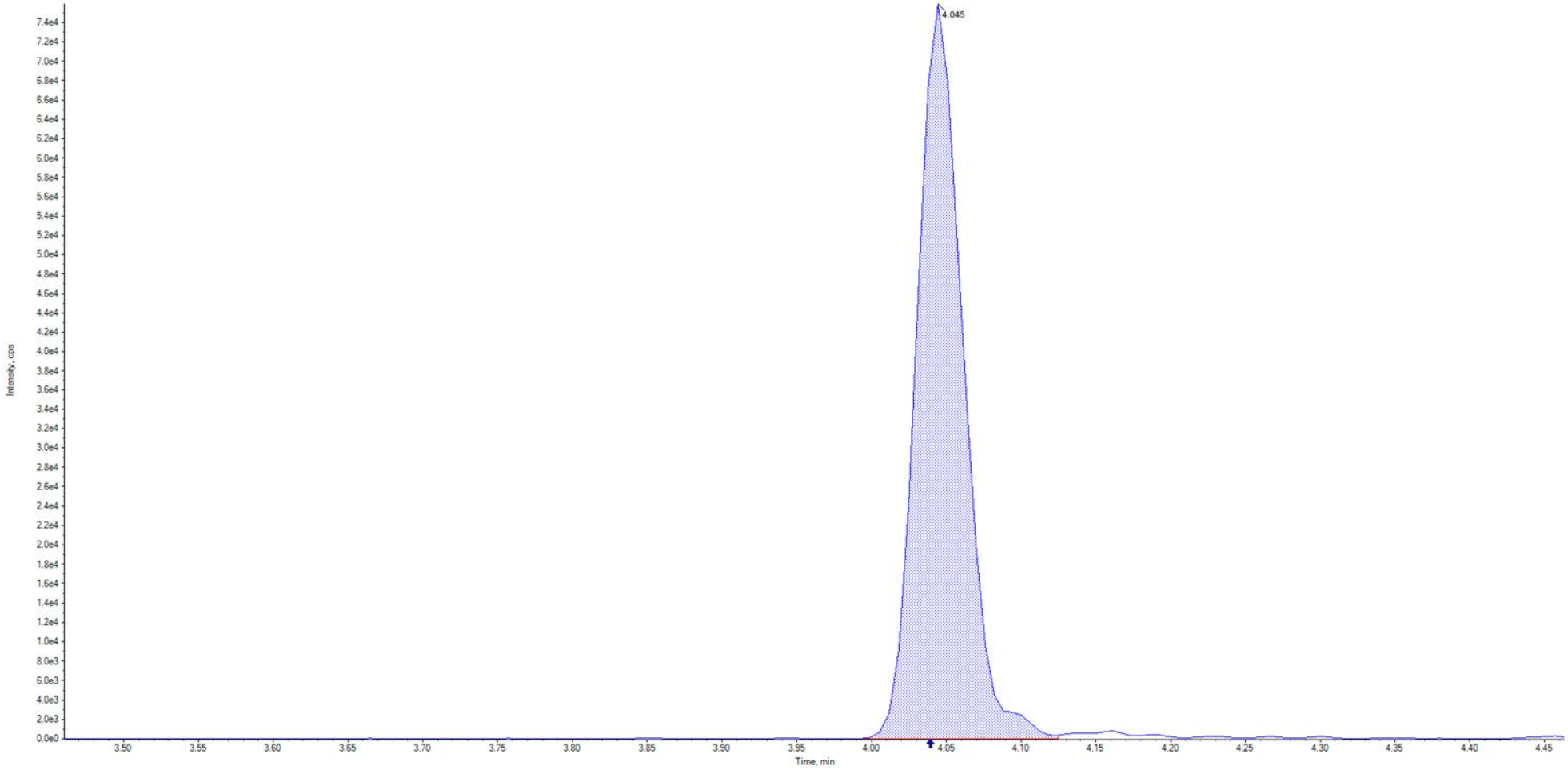
d3-NMeFOSA
Sample: WG2009822-2,INSTBLNK



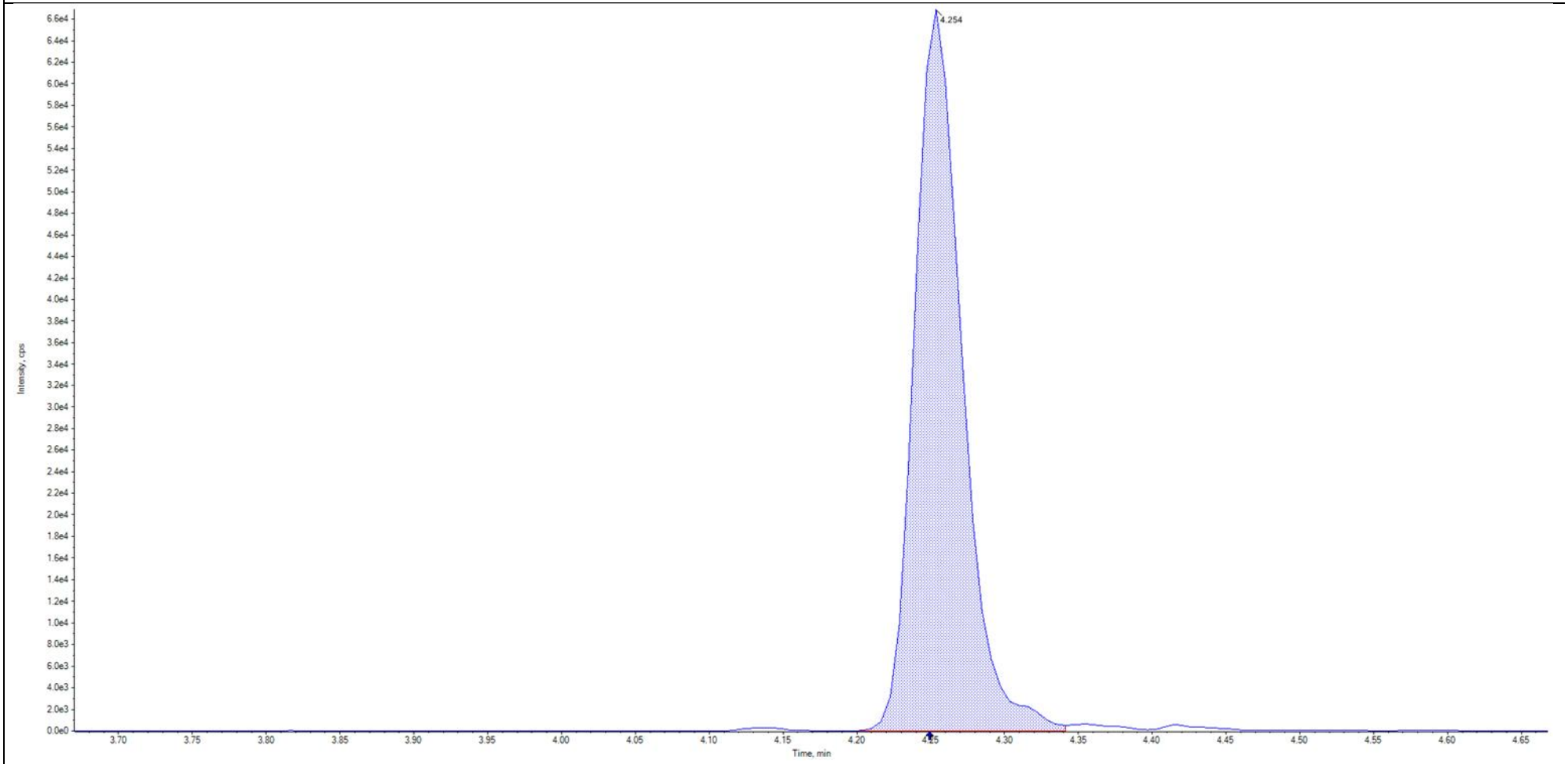
d5-NEtFOSA
Sample: WG2009822-2,INSTBLNK



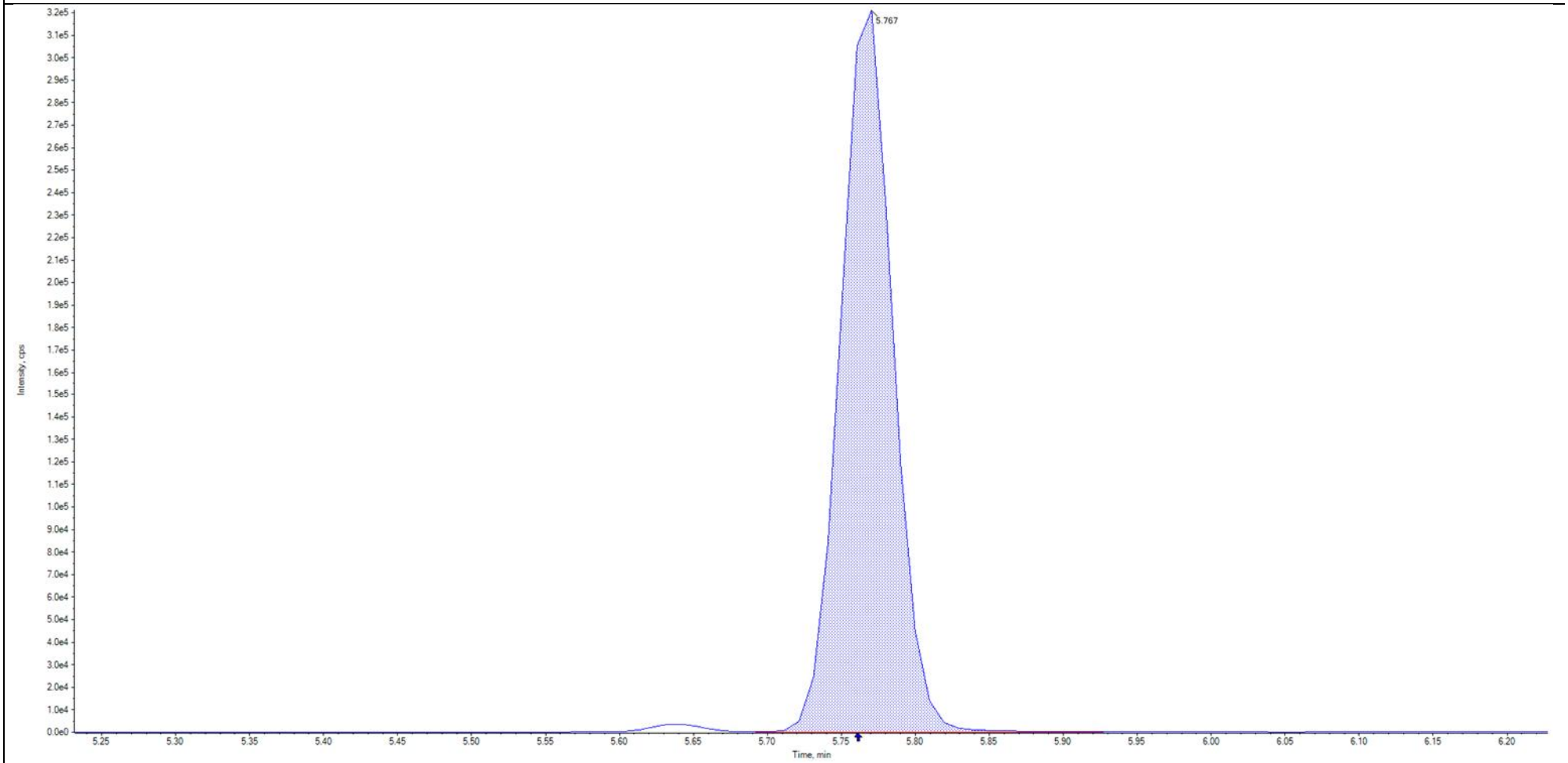
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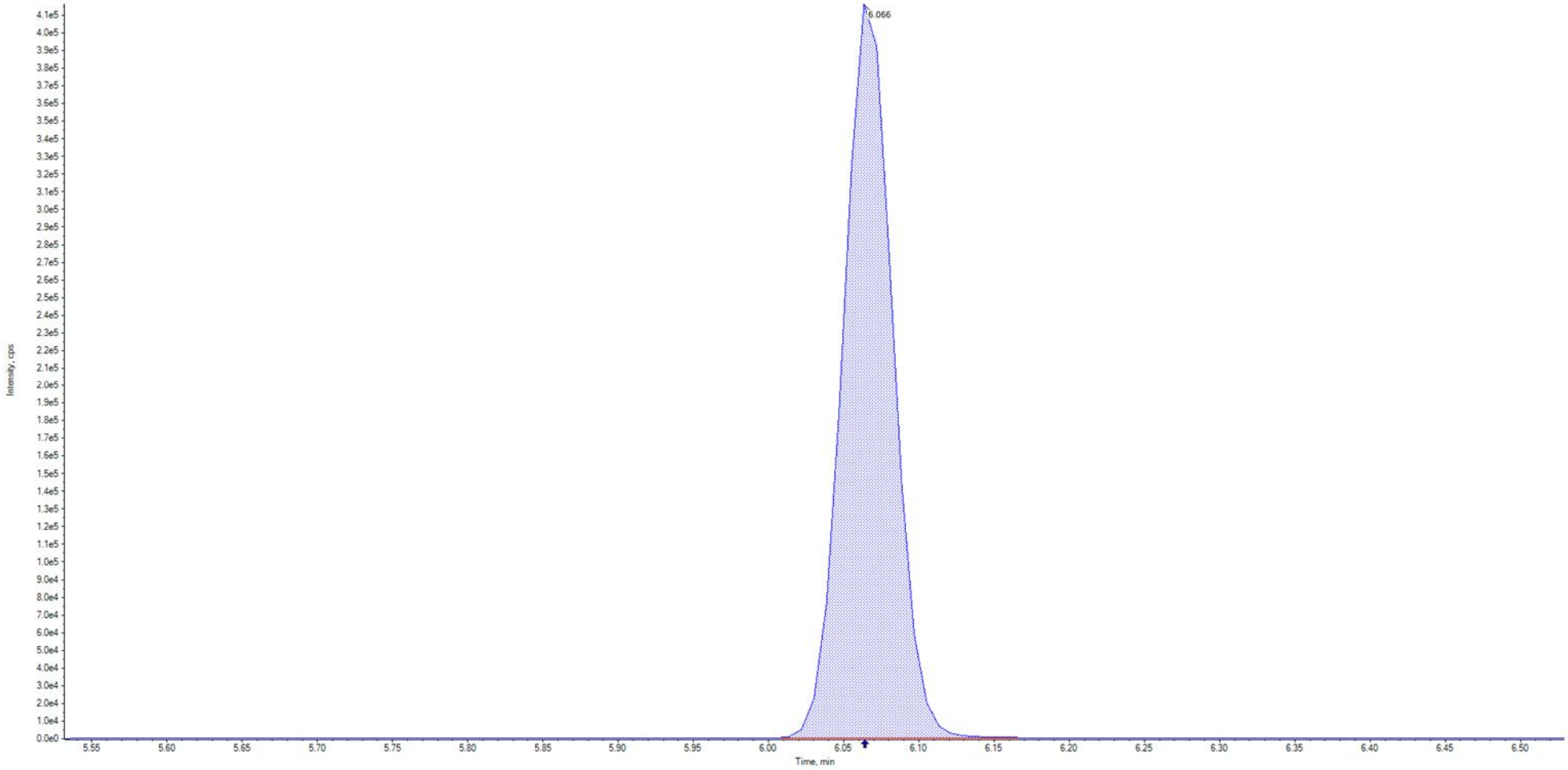
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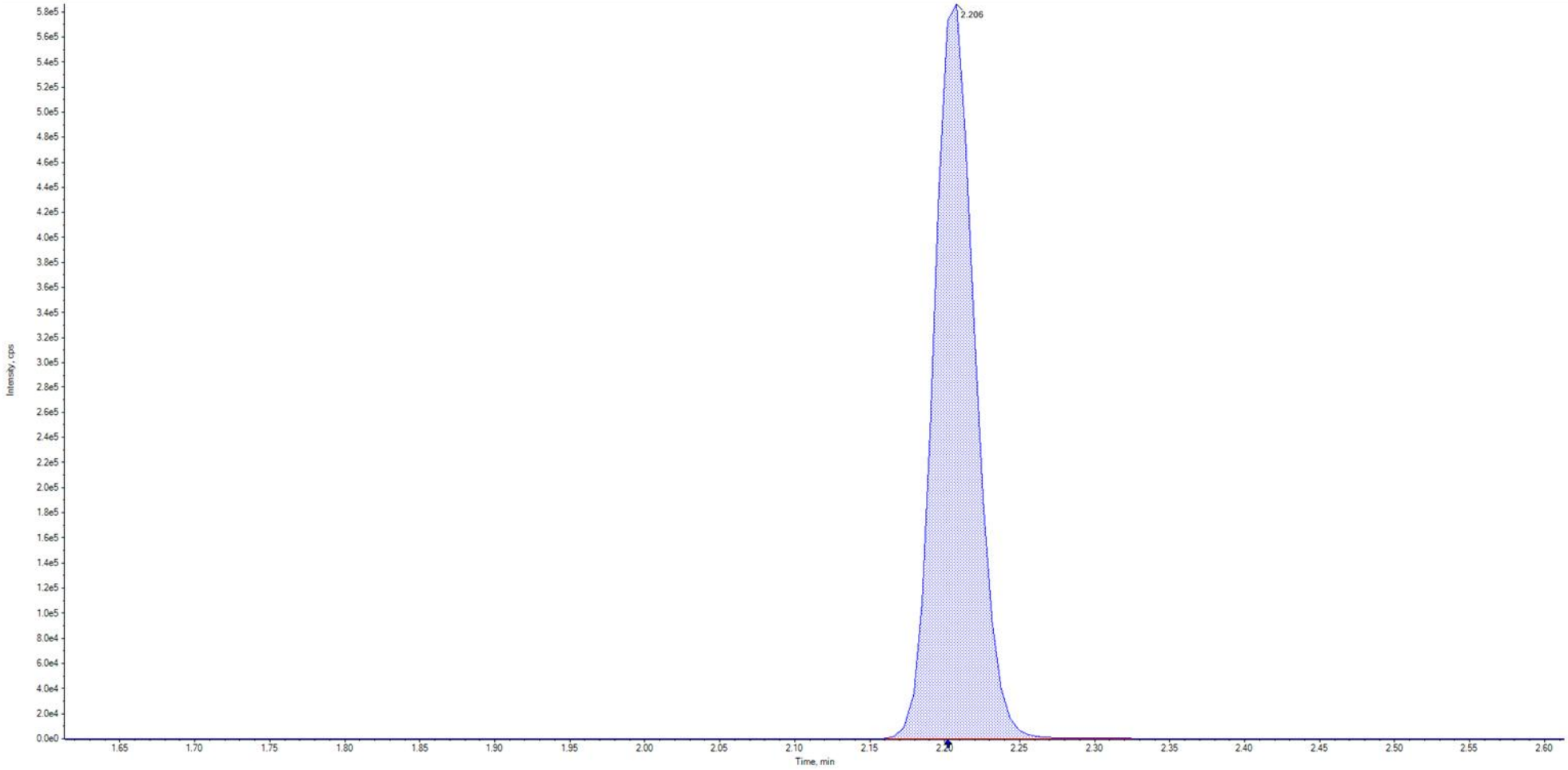
d7-NMeFOSE
Sample: WG2009822-2,INSTBLNK



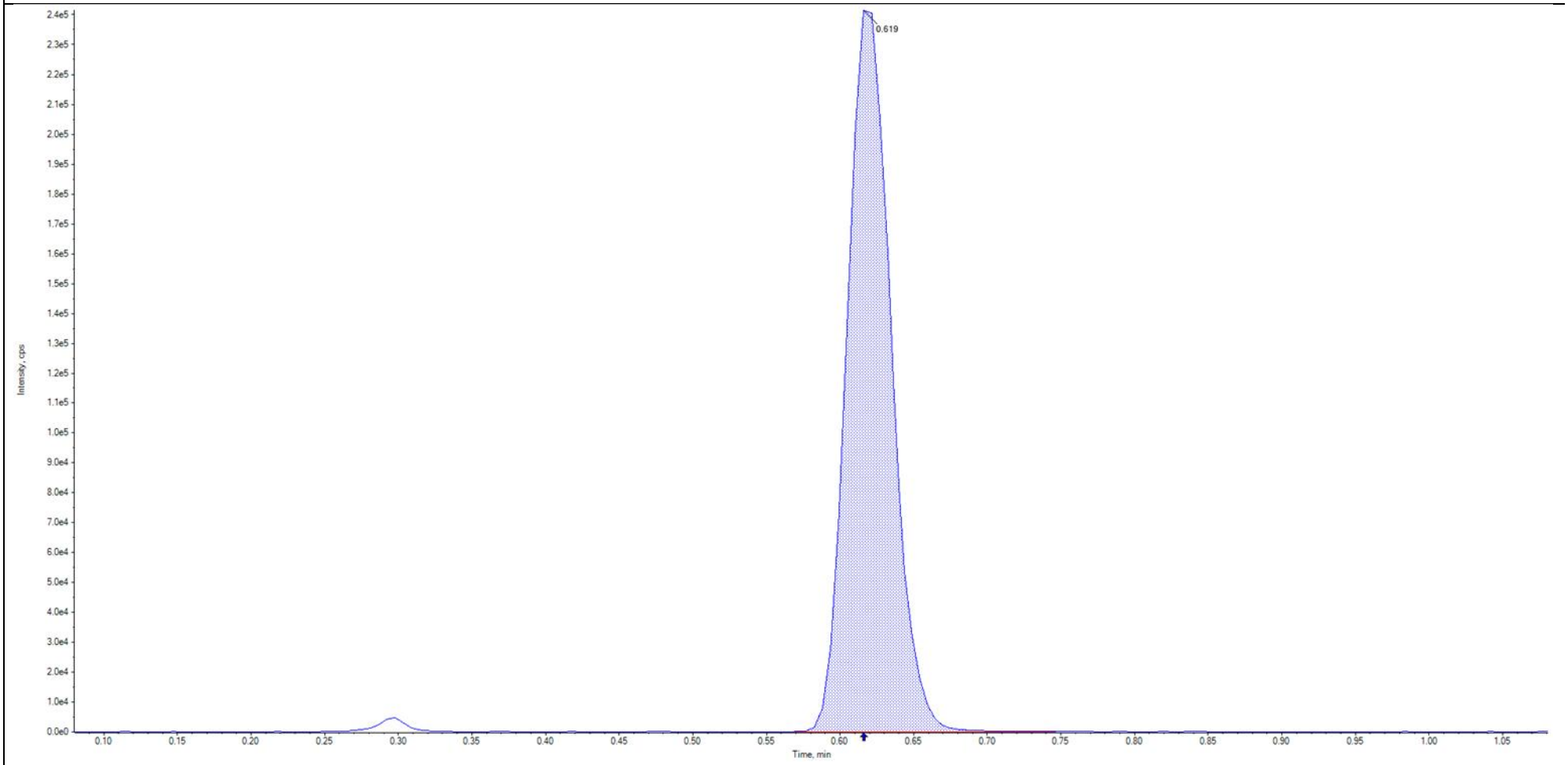
d9-NEtFOSE
Sample: WG2009822-2,INSTBLNK



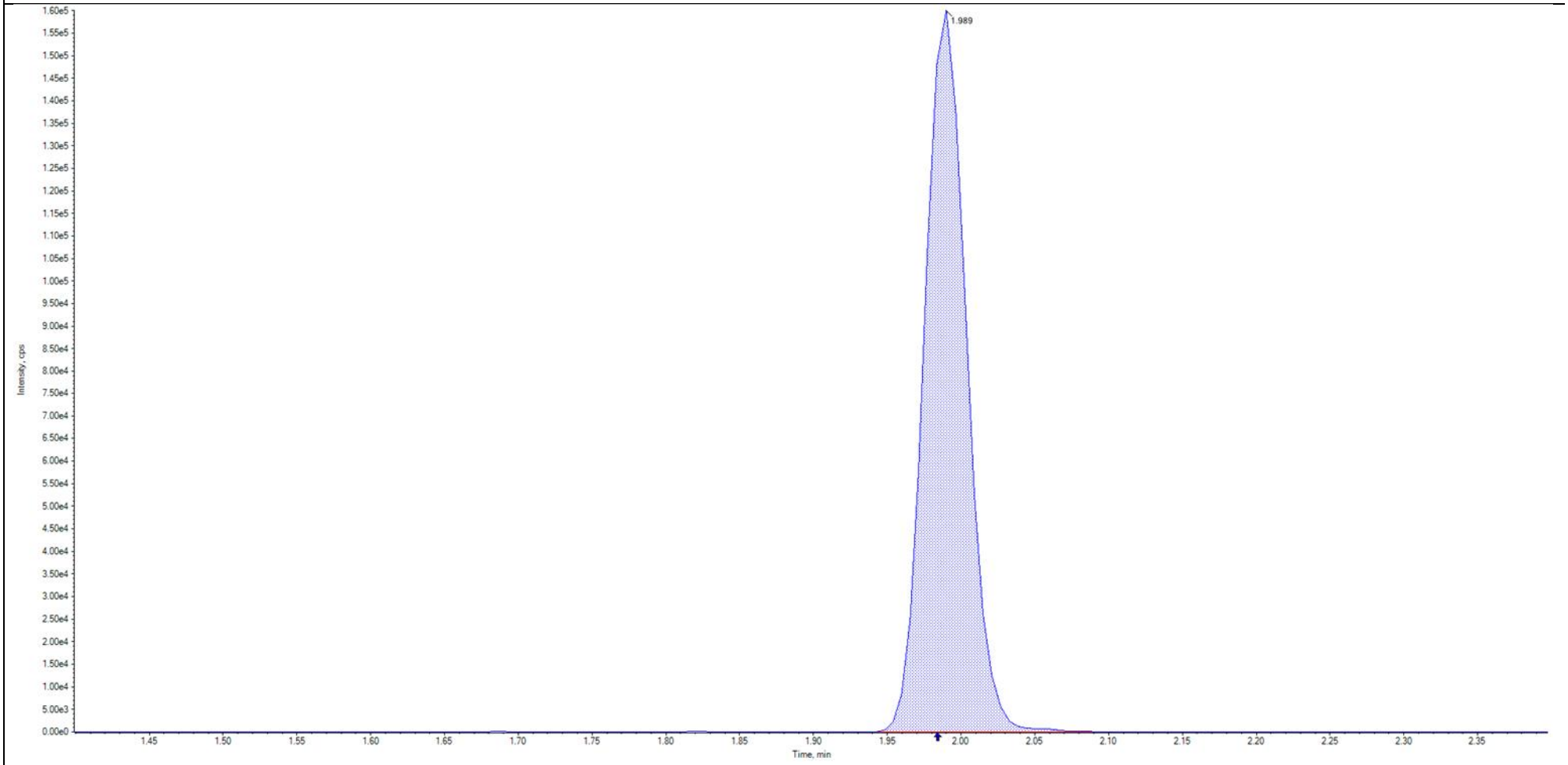
13C3-HFPO-DA
Sample: WG2009822-2,INSTBLNK



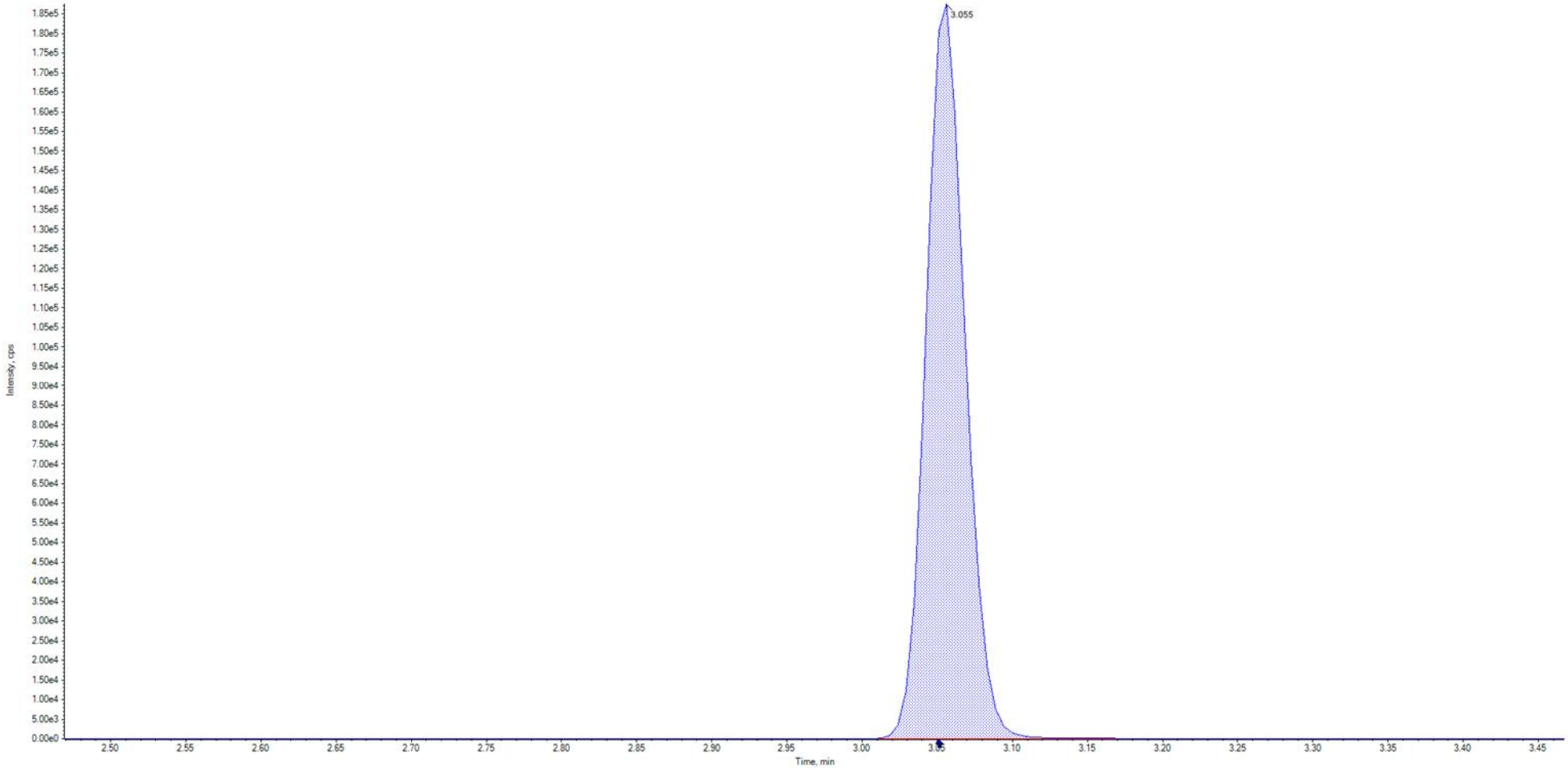
13C3-PFBA
Sample: WG2009822-2,INSTBLNK



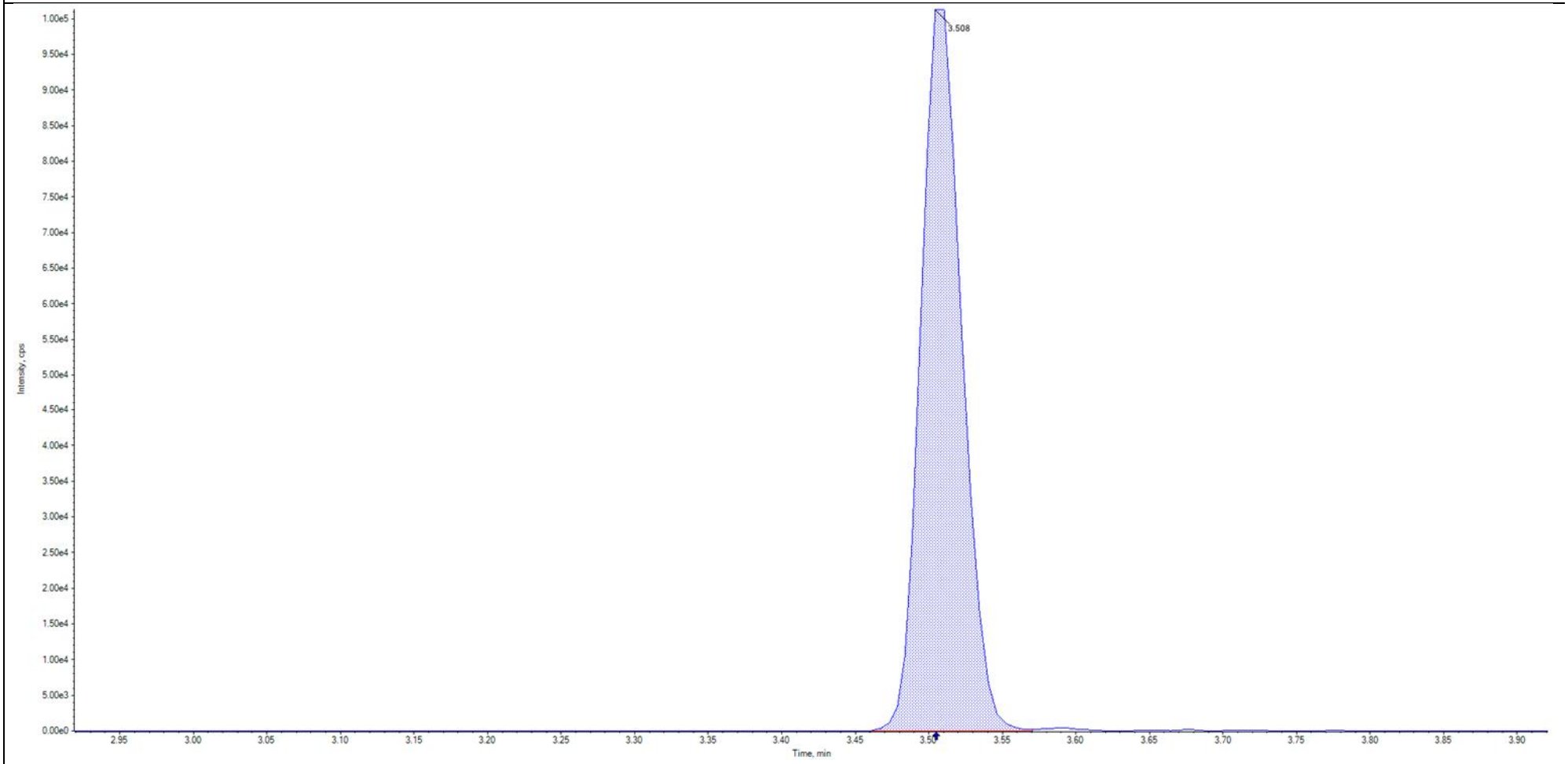
13C2-PFHxA
Sample: WG2009822-2,INSTBLNK



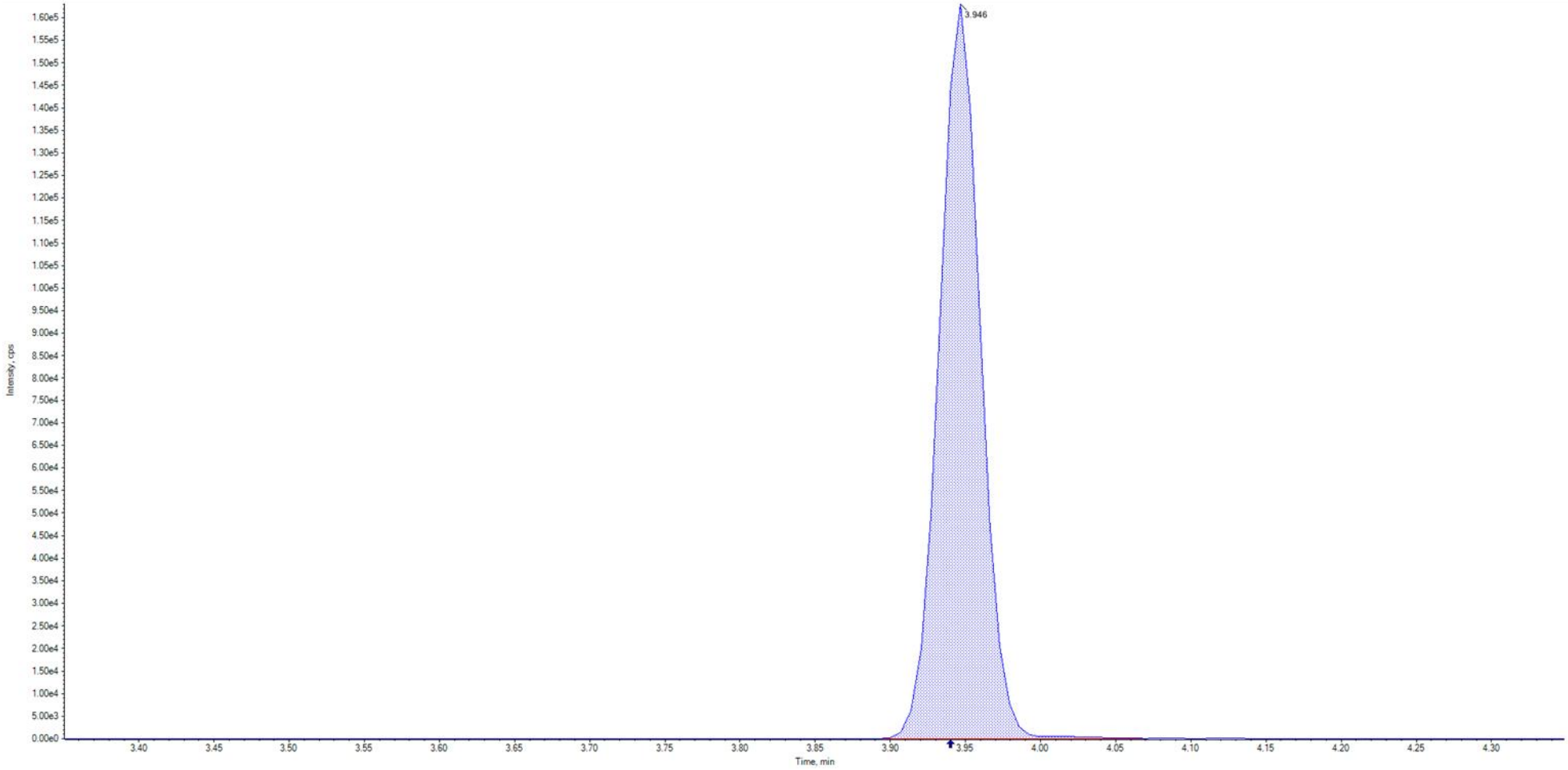
13C4-PFOA
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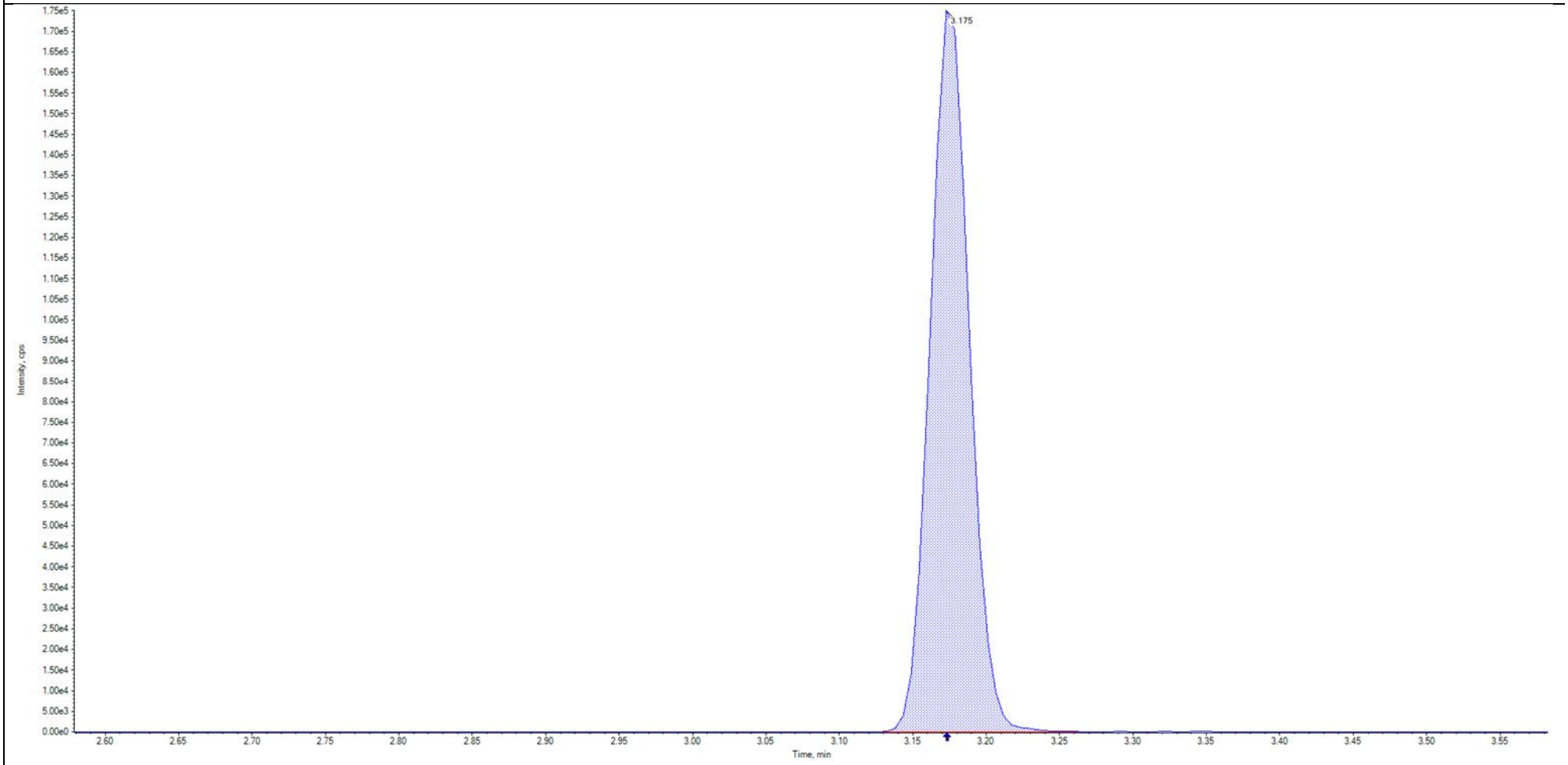
13C5-PFNA
Sample: WG2009822-2,INSTBLNK



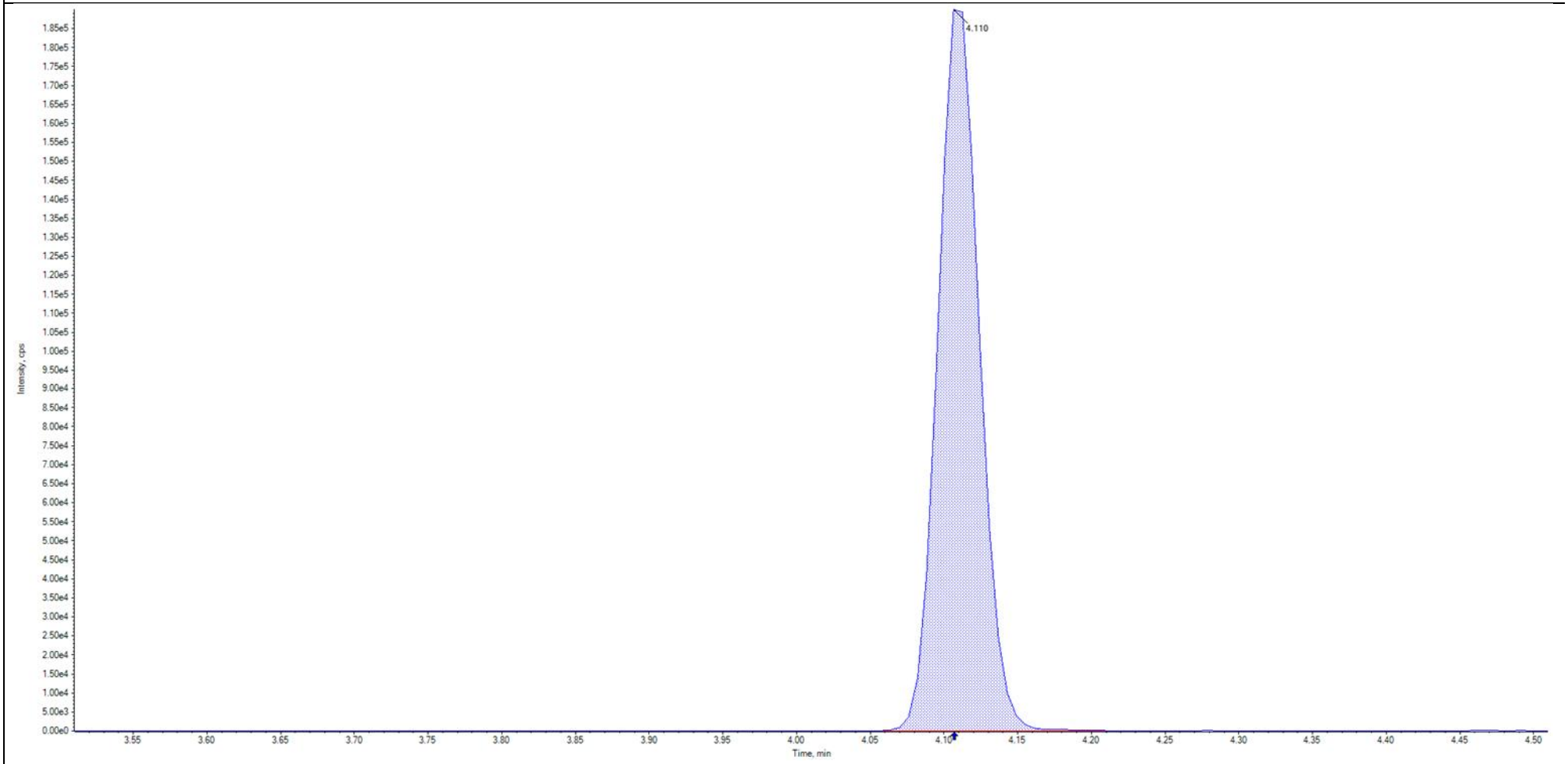
13C2-PFDA
Sample: WG2009822-2,INSTBLNK



18O2-PFHxS
Sample: WG2009822-2,INSTBLNK



13C4-PFOS
Sample: WG2009822-2,INSTBLNK



Alpha Analytical LLC
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Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Method: EPA1633F.qmethod
Calibration: 241216_EPA1633_ICAL

ID: WG2009822-3,INSTBLNK
Name: SCI08_241216_21.wiff2
Date & Time: 2024-12-16T16:36:21
Description: WG2009822
Instrument: SCIEX Triple Quad 5500+
User: LCMS08:JW

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	N/A	213.0 / 169.0	N/A		N/A	N/A	N/A	N/A	N/A
2	PFPeA	2706-90-3	N/A	263.0 / 219.0	N/A		N/A	N/A	0.008	N/A	N/A
3	PFPeA_2	2706-90-3	N/A	263.0 / 68.9	N/A		N/A	N/A	0.008	N/A	N/A
4	PFHxA	307-24-4	N/A	313.0 / 269.0	N/A		N/A	N/A	0.084	N/A	N/A
5	PFHxA_2	307-24-4	N/A	313.0 / 119.0	N/A		N/A	N/A	0.084	N/A	N/A
6	PFHpA	375-85-9	N/A	363.1 / 319.0	N/A		N/A	N/A	0.404	N/A	N/A
7	PFHpA_2	375-85-9	N/A	363.1 / 169.0	N/A		N/A	N/A	0.404	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	0.562	N/A	N/A
9	PFOA_2	335-67-1	N/A	413.1 / 169.0	N/A		N/A	N/A	0.562	N/A	N/A
10	PFNA	375-95-1	N/A	462.8 / 418.9	N/A		N/A	N/A	0.464	N/A	N/A
11	PFNA_2	375-95-1	N/A	462.8 / 219.0	N/A		N/A	N/A	0.464	N/A	N/A
12	PFDA	335-76-2	N/A	513.1 / 469.1	N/A		N/A	N/A	0.264	N/A	N/A
13	PFDA_2	335-76-2	N/A	513.1 / 219.0	N/A		N/A	N/A	0.264	N/A	N/A
14	PFUnA	2058-94-8	N/A	563.1 / 519.1	N/A		N/A	N/A	0.204	N/A	N/A
15	PFUnA_2	2058-94-8	N/A	563.1 / 269.0	N/A		N/A	N/A	0.204	N/A	N/A
16	PFDoA	307-55-1	N/A	613.1 / 569.1	N/A		N/A	N/A	0.194	N/A	N/A
17	PFDoA_2	307-55-1	N/A	613.1 / 319.0	N/A		N/A	N/A	0.194	N/A	N/A
18	PFTrDA	72629-94-8	N/A	663.1 / 619.1	N/A		N/A	N/A	0.193	N/A	N/A
19	PFTrDA_2	72629-94-8	N/A	663.1 / 169.0	N/A		N/A	N/A	0.193	N/A	N/A
20	PFTeDA	376-06-7	N/A	713.1 / 669.1	N/A		N/A	N/A	0.163	N/A	N/A
21	PFTeDA_2	376-06-7	N/A	713.1 / 169.0	N/A		N/A	N/A	0.163	N/A	N/A
22	PFBS	375-73-5	N/A	299.1 / 80.1	N/A		N/A	N/A	0.353	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	0.353	N/A	N/A
24	PFPeS	2706-91-4	N/A	349.1 / 80.1	N/A		N/A	N/A	0.294	N/A	N/A
25	PFPeS_2	2706-91-4	N/A	349.1 / 99.1	N/A		N/A	N/A	0.294	N/A	N/A
26	PFHxS	355-46-4	N/A	399.1 / 80.1	N/A		N/A	N/A	0.292	N/A	N/A
27	PFHxS_2	355-46-4	N/A	399.1 / 99.1	N/A		N/A	N/A	0.292	N/A	N/A
28	PFHpS	375-92-8	N/A	449.1 / 80.1	N/A		N/A	N/A	0.274	N/A	N/A
29	PFHpS_2	375-92-8	N/A	449.1 / 99.1	N/A		N/A	N/A	0.274	N/A	N/A
30	PFOS	1763-23-1	N/A	499.1 / 80.1	N/A		N/A	N/A	0.223	N/A	N/A
31	PFOS_2	1763-23-1	N/A	499.1 / 99.1	N/A		N/A	N/A	0.223	N/A	N/A
32	PFNS	68259-12-1	N/A	549.1 / 80.1	N/A		N/A	N/A	0.281	N/A	N/A
33	PFNS_2	68259-12-1	N/A	549.1 / 99.1	N/A		N/A	N/A	0.281	N/A	N/A
34	PFDS	335-77-3	N/A	599.1 / 80.1	N/A		N/A	N/A	0.267	N/A	N/A
35	PFDS_2	335-77-3	N/A	599.1 / 99.1	N/A		N/A	N/A	0.267	N/A	N/A
36	PFDoS	79780-39-5	N/A	699.2 / 80.1	N/A		N/A	N/A	0.225	N/A	N/A
37	PFDoS_2	79780-39-5	N/A	699.2 / 99.1	N/A		N/A	N/A	0.225	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	1.77	327.1 / 307.1	2245		0.084	0.629	0.637	Pass	N/A
39	4:2FTS_2	757124-72-4	1.77	327.1 / 81.1	1413	m2	0.080	0.629	0.637	Pass	N/A
40	6:2FTS	27619-97-2	N/A	427.2 / 407.2	N/A		N/A	N/A	0.571	N/A	N/A
41	6:2FTS_2	27619-97-2	N/A	427.2 / 81.1	N/A		N/A	N/A	0.571	N/A	N/A
42	8:2FTS	39108-34-4	N/A	527.2 / 507.2	N/A		N/A	N/A	0.758	N/A	N/A
43	8:2FTS_2	39108-34-4	N/A	527.2 / 81.1	N/A		N/A	N/A	0.758	N/A	N/A
44	PFOSA	754-91-6	N/A	498.1 / 78.1	N/A		N/A	N/A	0.023	N/A	N/A
45	PFOSA_2	754-91-6	N/A	498.1 / 478.0	N/A		N/A	N/A	0.023	N/A	N/A
46	NMeFOSA	31506-32-8	N/A	512.2 / 219.0	N/A		N/A	N/A	1.447	N/A	N/A
47	NMeFOSA_2	31506-32-8	N/A	512.2 / 169.0	N/A		N/A	N/A	1.447	N/A	N/A
48	NEtFOSA	4151-50-2	N/A	526.2 / 219.0	N/A		N/A	N/A	1.299	N/A	N/A
49	NEtFOSA_2	4151-50-2	N/A	526.2 / 169.0	N/A		N/A	N/A	1.299	N/A	N/A
50	NMeFOSAA	2355-31-9	N/A	570.2 / 419.1	N/A		N/A	N/A	0.605	N/A	N/A
51	NMeFOSAA_2	2355-31-9	N/A	570.2 / 483.0	N/A		N/A	N/A	0.605	N/A	N/A
52	NEtFOSAA	2991-50-6	N/A	584.2 / 419.1	N/A		N/A	N/A	0.518	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	0.518	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	0.474	N/A	N/A
57	HFPO-DA_2	13252-13-6	N/A	285.0 / 184.9	N/A		N/A	N/A	0.474	N/A	N/A
58	ADONA	919005-14-4	N/A	376.9 / 251.0	N/A		N/A	N/A	0.740	N/A	N/A
59	ADONA_2	919005-14-4	N/A	376.9 / 84.8	N/A		N/A	N/A	0.740	N/A	N/A
60	9Cl-PF3ONS	756426-58-1	N/A	530.8 / 351.1	N/A		N/A	N/A	0.340	N/A	N/A
61	9Cl-PF3ONS_2	756426-58-1	N/A	532.8 / 353.0	N/A		N/A	N/A	0.340	N/A	N/A
62	11Cl-PF3OUdS	763051-92-9	N/A	630.9 / 451.0	N/A		N/A	N/A	0.328	N/A	N/A
63	11Cl-PF3OUdS_2	763051-92-9	N/A	632.9 / 452.9	N/A		N/A	N/A	0.328	N/A	N/A
64	3:3FTCA	356-02-5	N/A	241.1 / 177.1	N/A		N/A	N/A	0.996	N/A	N/A
65	3:3FTCA_2	356-02-5	N/A	241.1 / 117.0	N/A		N/A	N/A	0.996	N/A	N/A
66	5:3FTCA	914637-49-3	N/A	341.1 / 237.1	N/A		N/A	N/A	1.037	N/A	N/A
67	5:3FTCA_2	914637-49-3	N/A	341.1 / 217.0	N/A		N/A	N/A	1.037	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	4.03	441.1 / 316.9	4226		0.145	1.429	1.181	Pass	N/A
69	7:3FTCA_2	812-70-4	4.03	441.1 / 337.1	6039	m4	0.181	1.429	1.181	Pass	N/A
70	PFEESA	113507-82-7	N/A	315.1 / 135.0	N/A		N/A	N/A	0.078	N/A	N/A
71	PFEESA_2	113507-82-7	N/A	315.1 / 82.9	N/A		N/A	N/A	0.078	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	0.765	N/A	N/A
75	NFDHA_2	151772-58-6	N/A	295.0 / 84.9	N/A		N/A	N/A	0.765	N/A	N/A
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	5.845	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	5.845	N/A	N/A
78	13C2D4-4:2FTS	Surr	1.76	333.2 / 312.1	88412		3.718	N/A	N/A	N/A	N/A
79	13C2-PFOA	Surr	3.06	415.0 / 370.0	301857		1.911	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	1089021		9.593	NA	NA	NA	95.9

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C5-PFPeA	EIS	1.22	268.0 / 223.0	469491		4.808	NA	NA	NA	96.2
13C5-PFHxA	EIS	1.99	318.0 / 273.0	281508		2.328	NA	NA	NA	93.1
13C4-PFHpA	EIS	2.57	367.0 / 322.0	349469		2.290	NA	NA	NA	91.6
13C8-PFOA	EIS	3.06	420.8 / 376.0	416582		2.331	NA	NA	NA	93.2
13C9-PFNA	EIS	3.51	472.0 / 427.0	201073		1.214	NA	NA	NA	97.1
13C6-PFDA	EIS	3.95	519.0 / 474.0	320885		1.154	NA	NA	NA	92.3
13C7-PFUnA	EIS	4.37	570.0 / 525.0	274761		0.930	NA	NA	NA	74.4

	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	219233		0.902	NA	NA	NA	72.1
	13C2-PFTeDA	EIS	5.57	715.1 / 670.1	258819		0.906	NA	NA	NA	72.5
	13C3-PFBS	EIS	2.00	302.1 / 80.1	431941		2.297	NA	NA	NA	98.6
	13C3-PFHxS	EIS	3.18	402.1 / 80.1	368424		2.310	NA	NA	NA	97.5
	13C8-PFOS	EIS	4.11	507.1 / 80.1	481791		2.389	NA	NA	NA	99.5
	13C2-4:2FTS	EIS	1.76	329.1 / 81.1	79561		4.485	NA	NA	NA	95.6
	13C2-6:2FTS	EIS	2.87	429.2 / 81.1	68837		4.071	NA	NA	NA	85.5
	13C2-8:2FTS	EIS	3.75	529.2 / 81.1	95367		4.001	NA	NA	NA	83.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	5.19	506.1 / 78.1	723067		2.496	NA	NA	NA	99.8
	d3-NMeFOSA	EIS	5.92	515.2 / 219.0	106764		2.351	NA	NA	NA	94.1
	d5-NEtFOSA	EIS	6.21	531.2 / 219.0	108376		2.412	NA	NA	NA	96.5
	d3-NMeFOSAA	EIS	4.04	573.2 / 419.1	154237		4.250	NA	NA	NA	85.0
	d5-NEtFOSAA	EIS	4.25	589.3 / 419.1	149574		4.916	NA	NA	NA	98.3
	d7-NMeFOSE	EIS	5.77	623.2 / 58.9	789876		24.240	NA	NA	NA	97.0
	d9-NEtFOSE	EIS	6.07	639.2 / 58.9	975380		24.198	NA	NA	NA	96.8

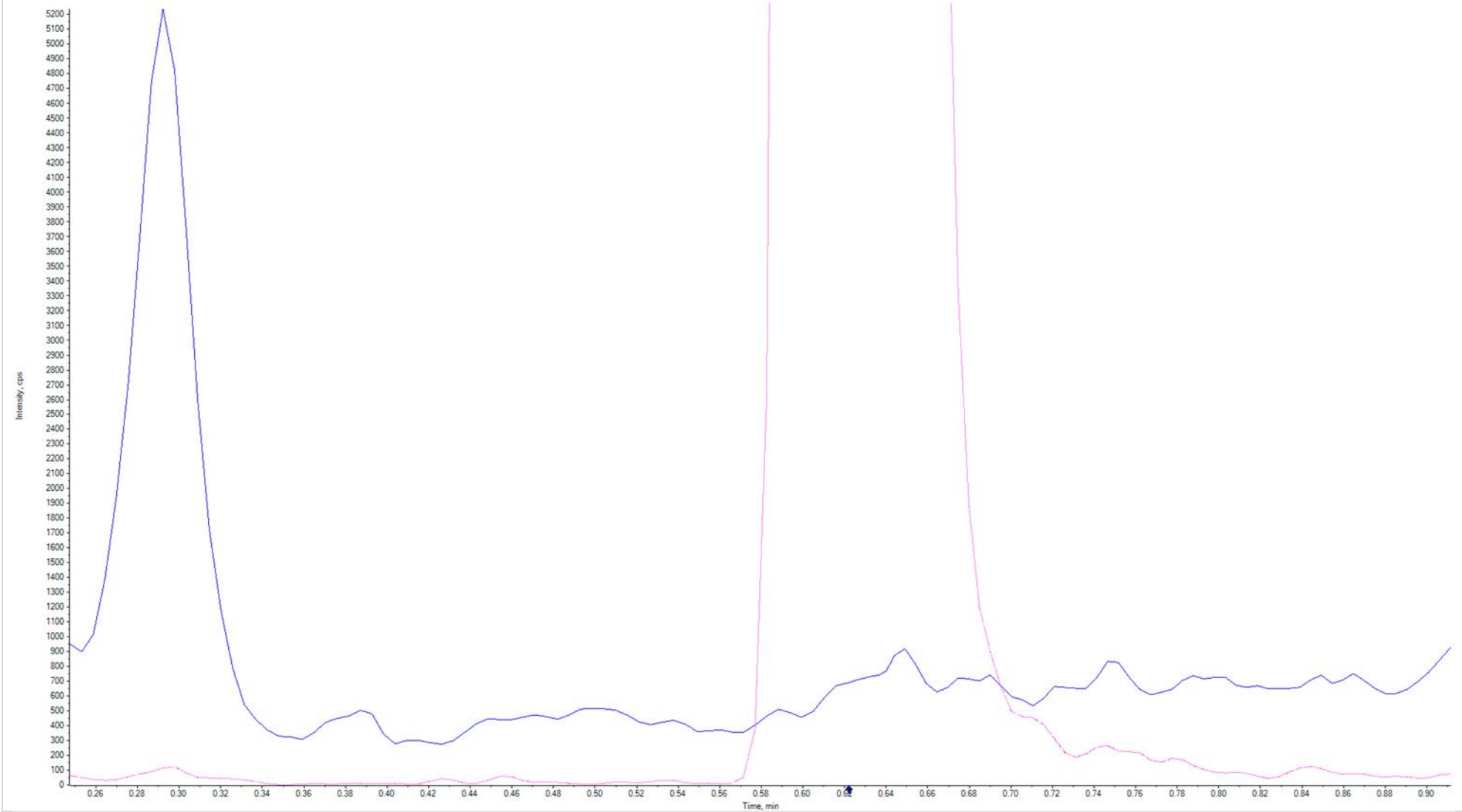
	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.21	287.0 / 169.0	1108694		9.991	NA	NA	NA	99.9
	13C3-PFBA	NIS	0.62	216.0 / 172.0	498328		5.050	NA	NA	NA	101.0
	13C2-PFHxA	NIS	1.99	315.0 / 270.0	323327		2.364	NA	NA	NA	94.5
	13C4-PFOA	NIS	3.06	417.0 / 372.0	346662		2.375	NA	NA	NA	95.0
	13C5-PFNA	NIS	3.51	468.0 / 423.0	208515		1.123	NA	NA	NA	89.9
	13C2-PFDA	NIS	3.95	515.1 / 470.1	333985		1.467	NA	NA	NA	117.3
	18O2-PFHxS	NIS	3.18	403.1 / 84.1	328452		2.148	NA	NA	NA	90.6
	13C4-PFOS	NIS	4.11	503.1 / 80.1	370649		2.179	NA	NA	NA	90.8

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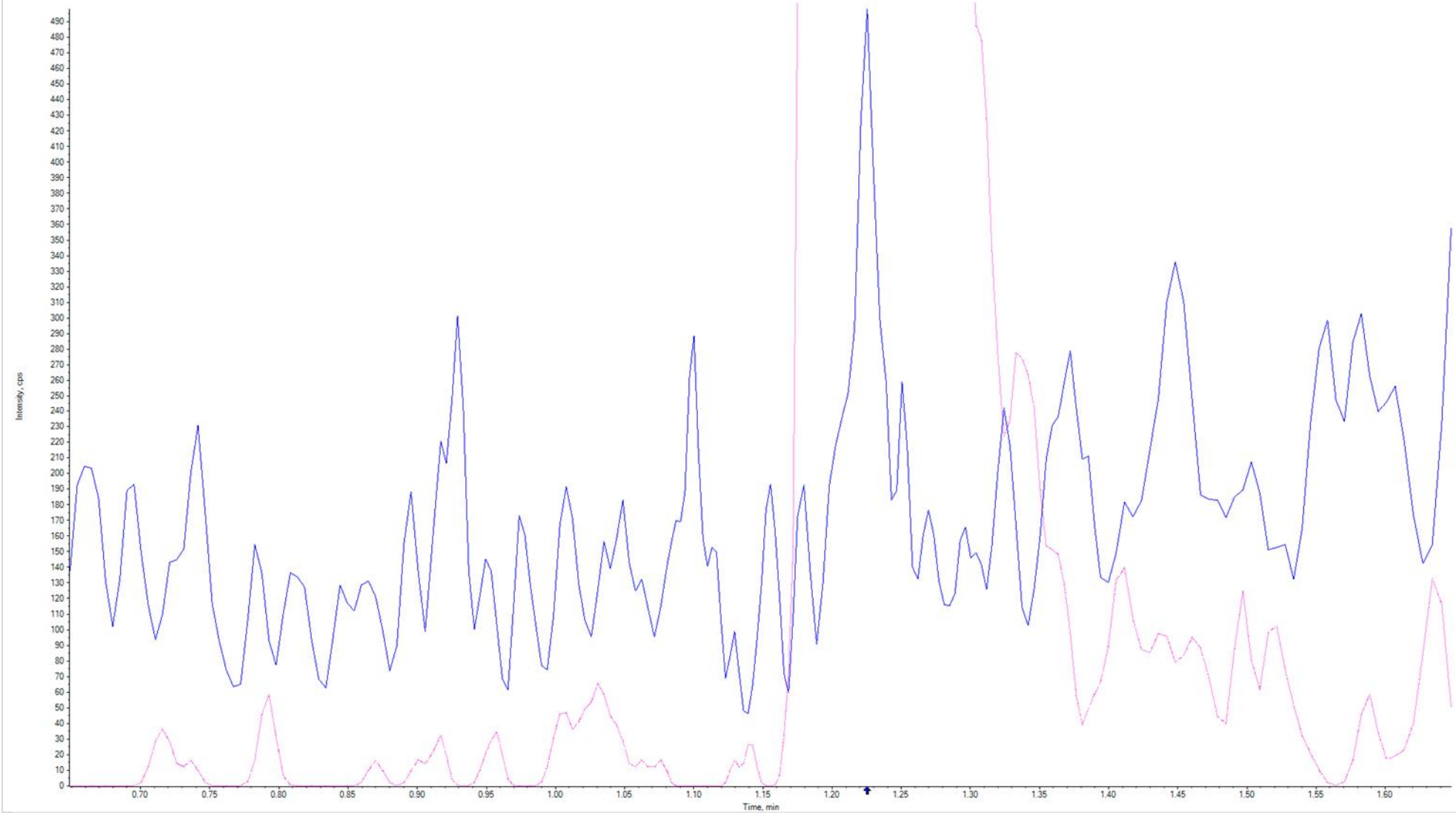
	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec

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PFBA
Sample: WG2009822-3,INSTBLNK S/N:N/A Points Across peak:N/A

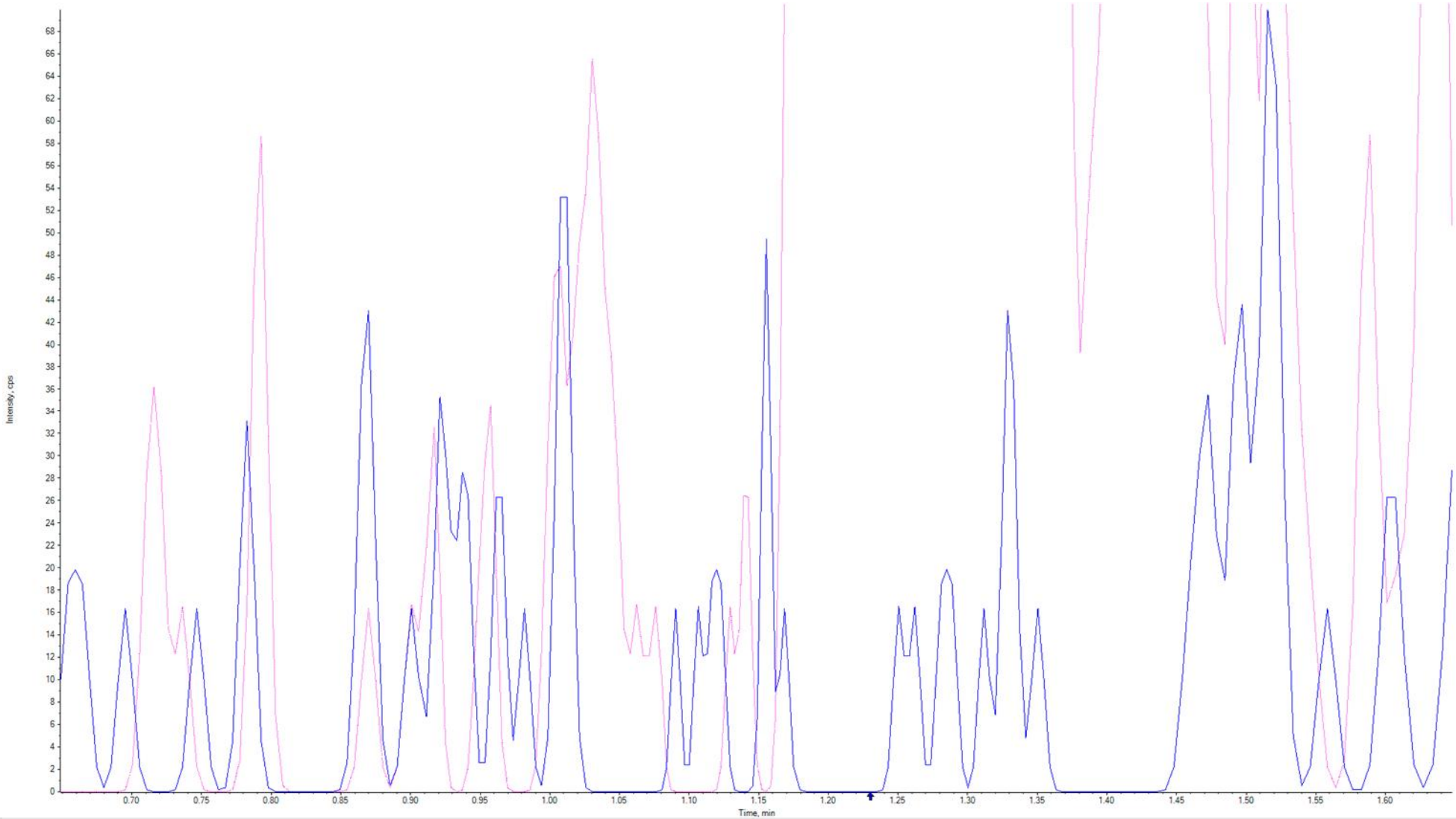


PFPeA
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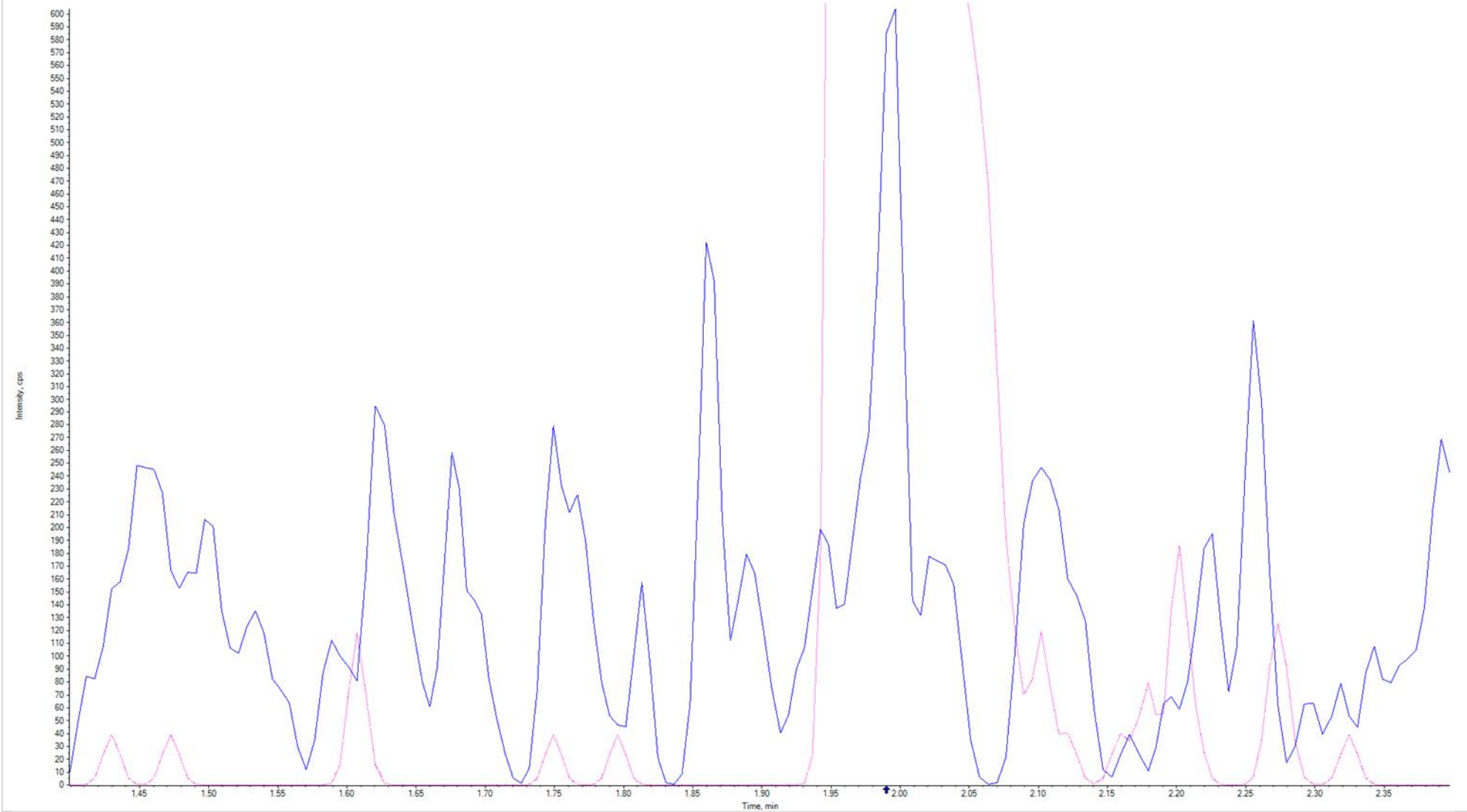
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PFPeA_2
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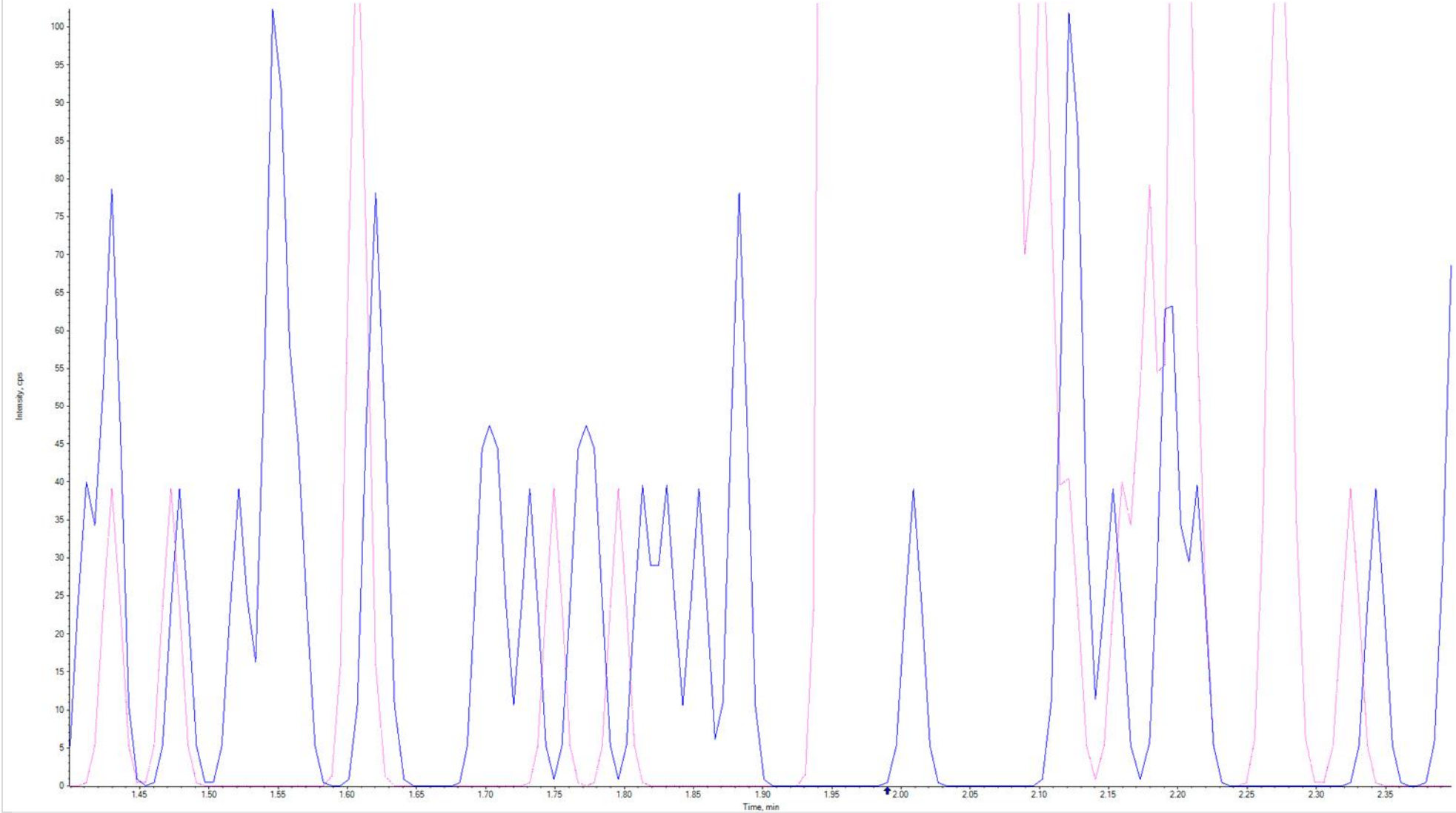
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PFHxA
Sample: WG2009822-3,INSTBLNK S/N:N/A Points Across peak:N/A

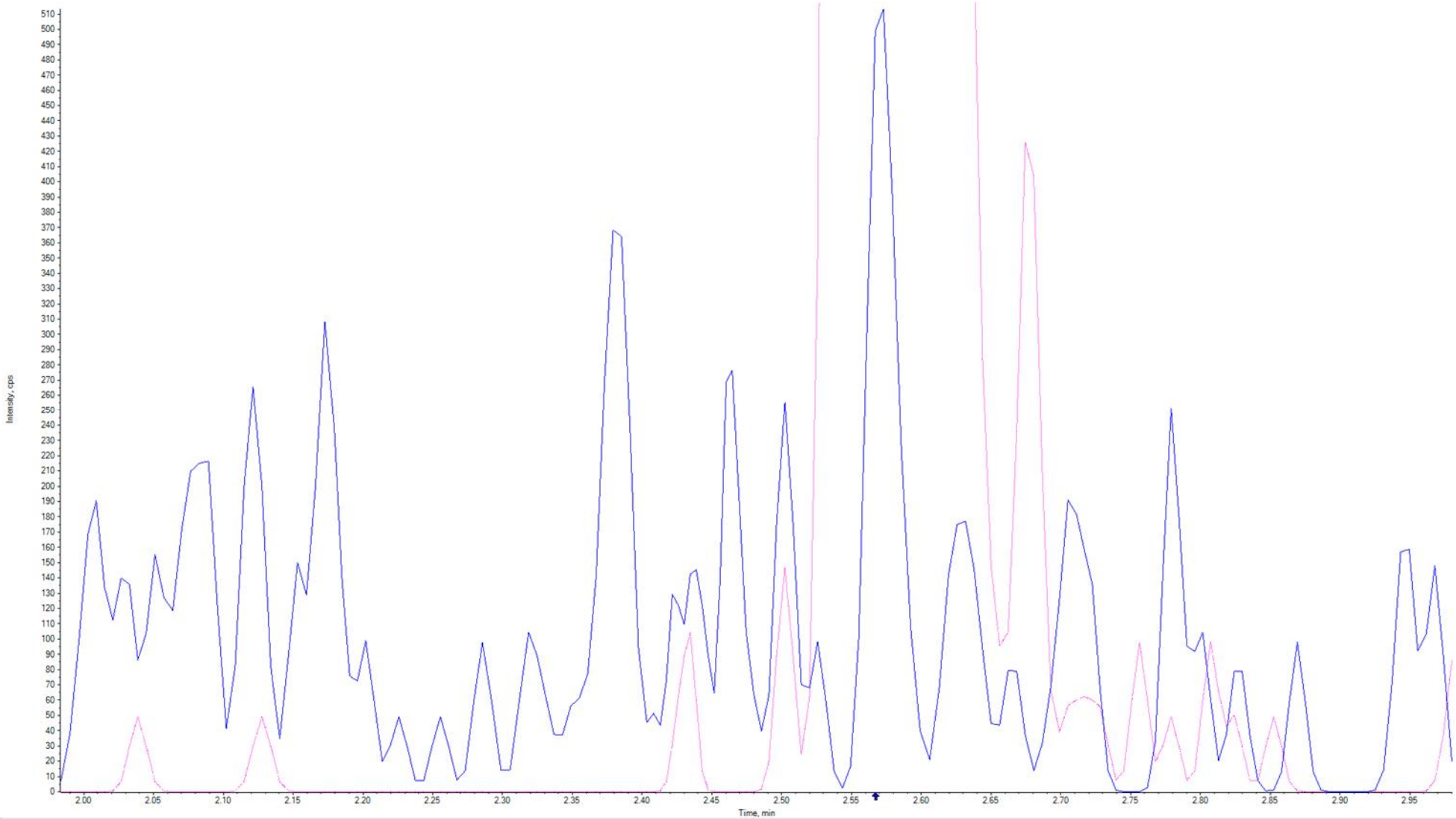


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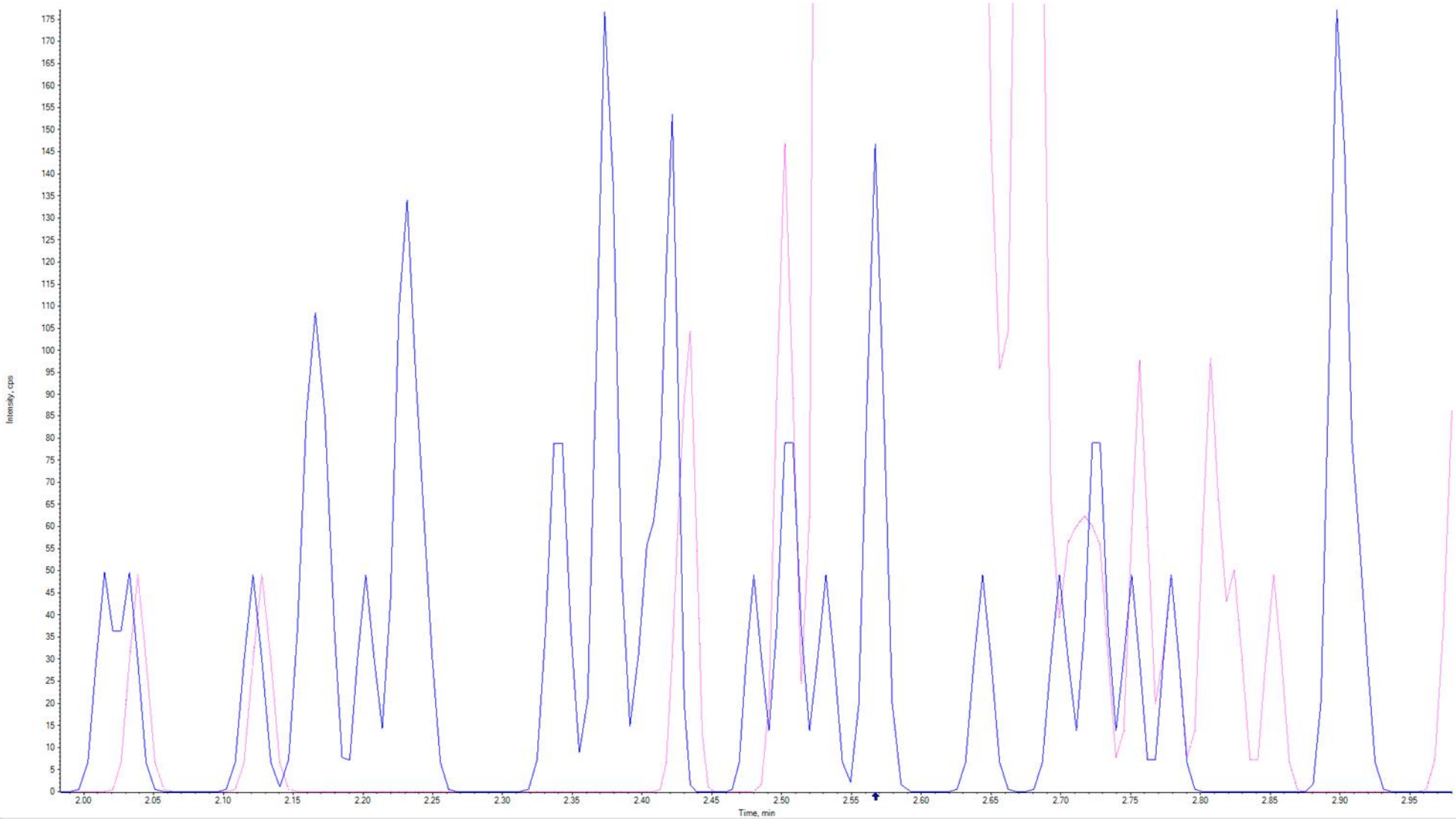
PFHxA_2
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PFHpA
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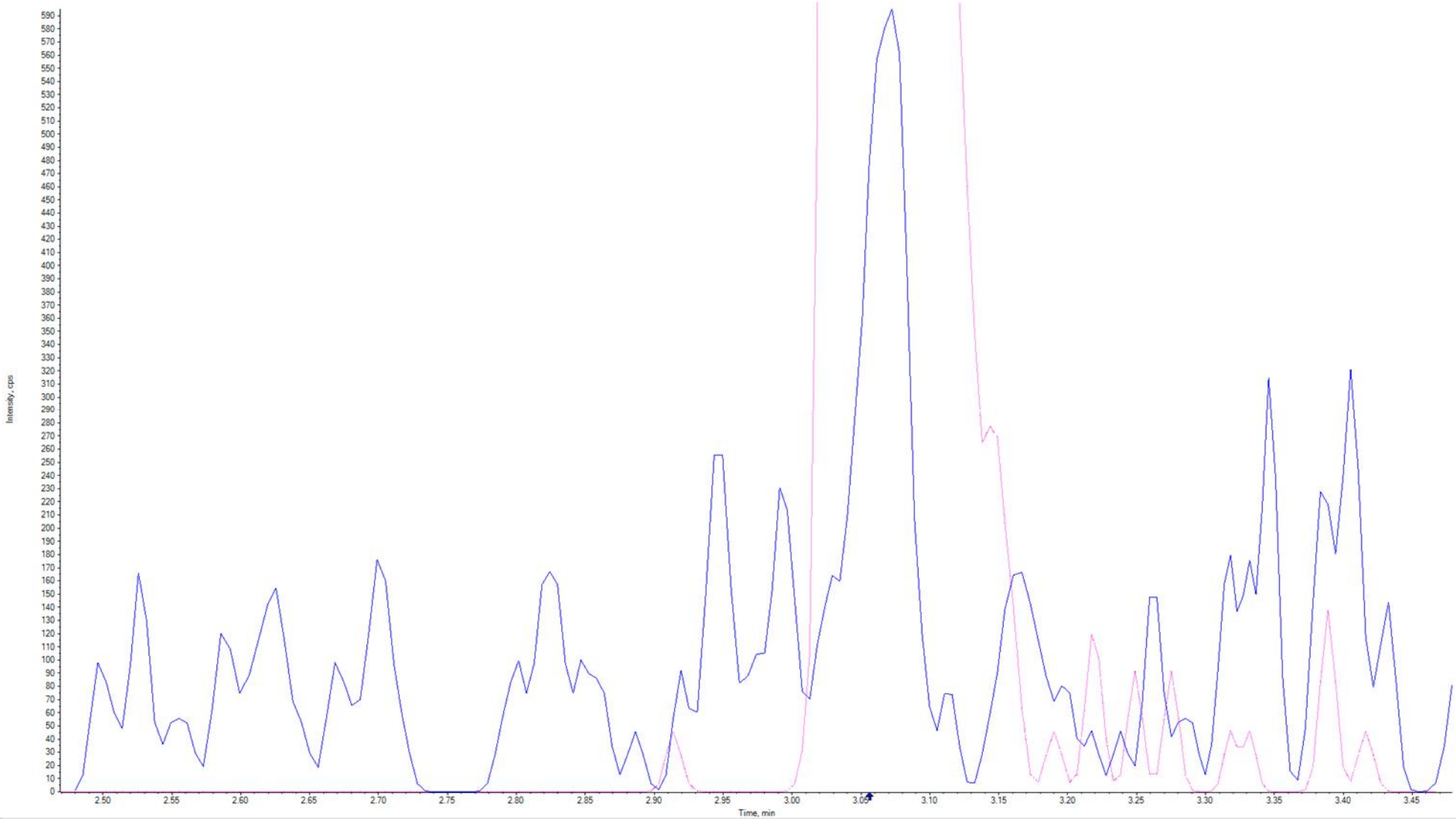


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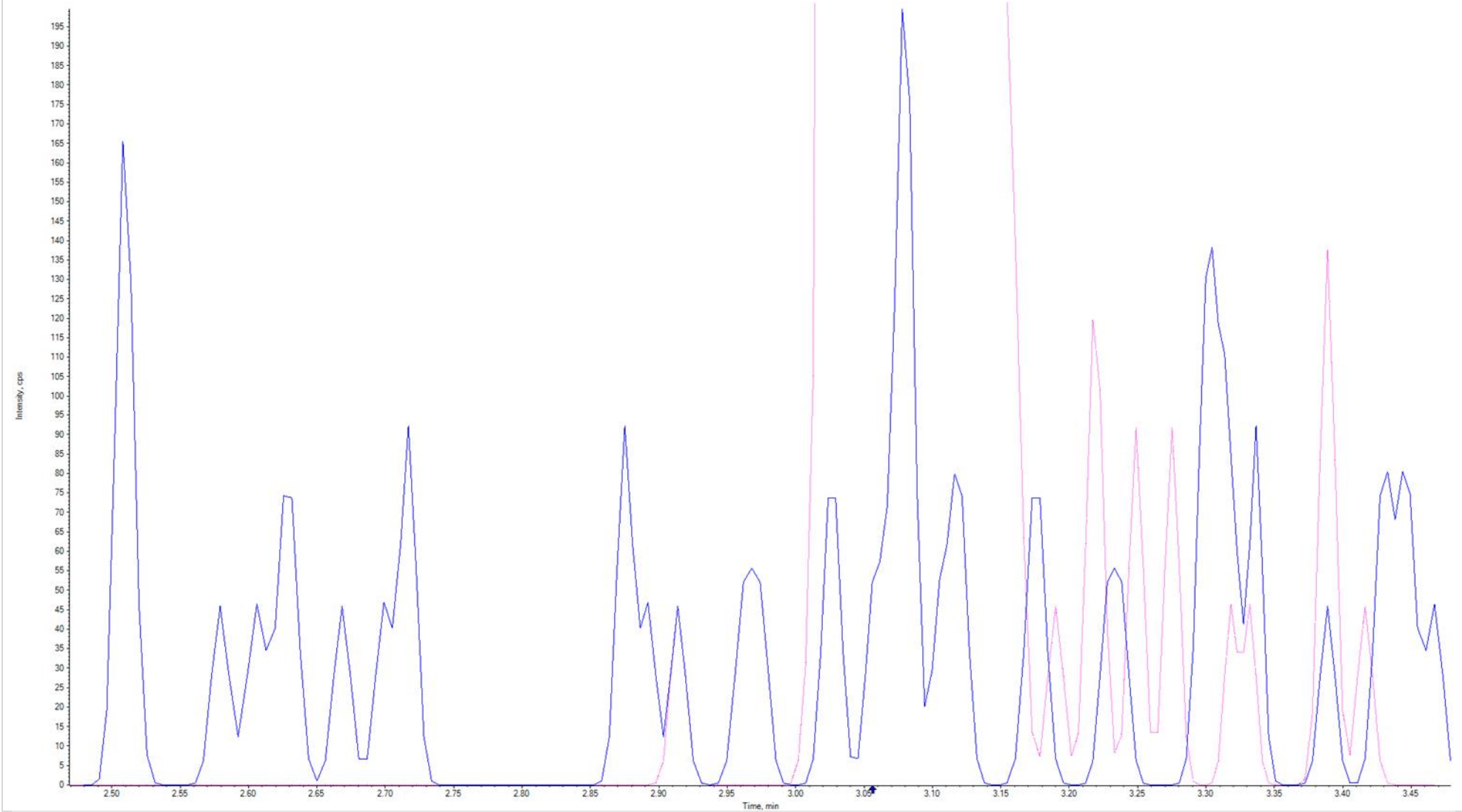
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PFOA
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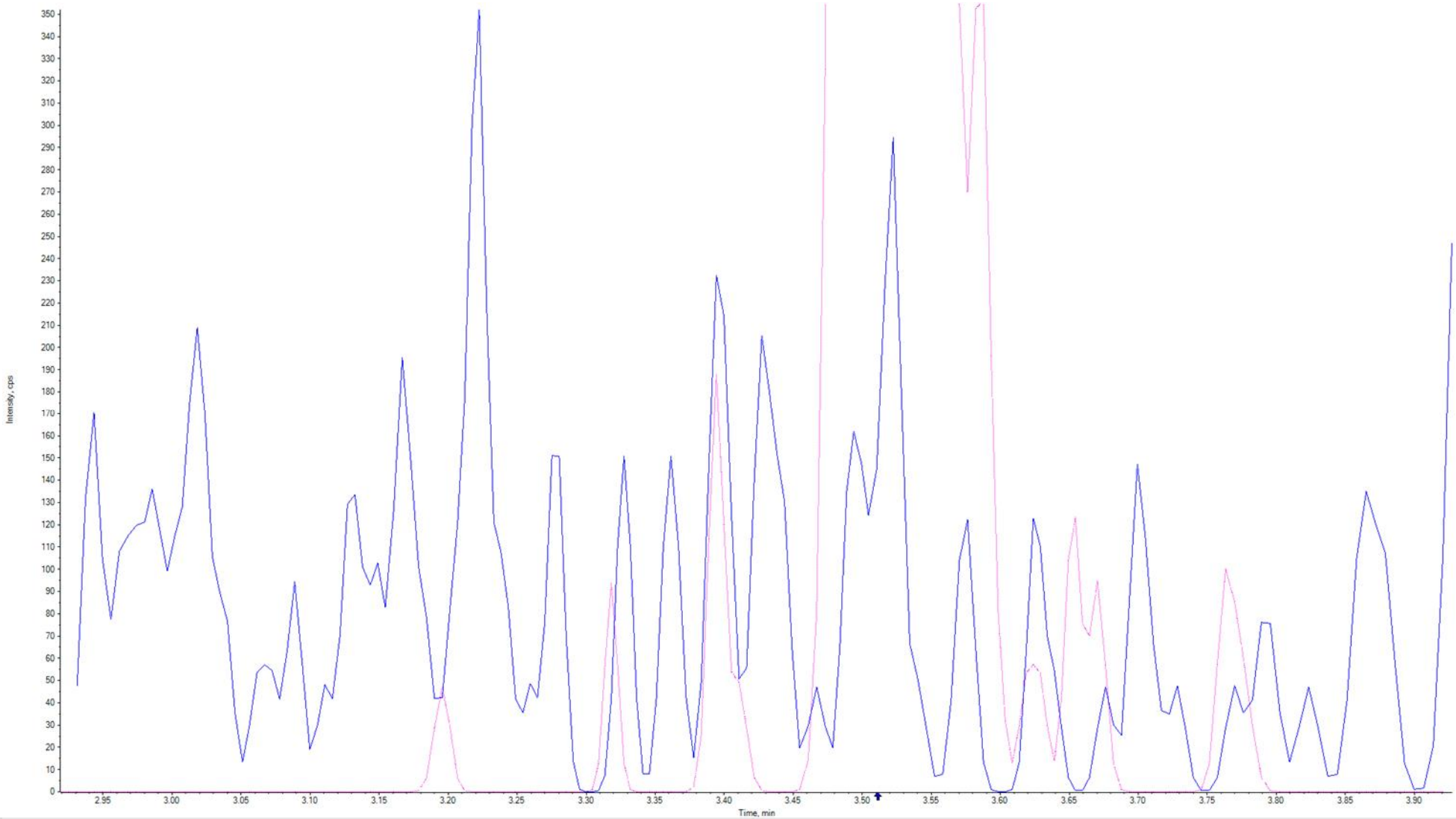
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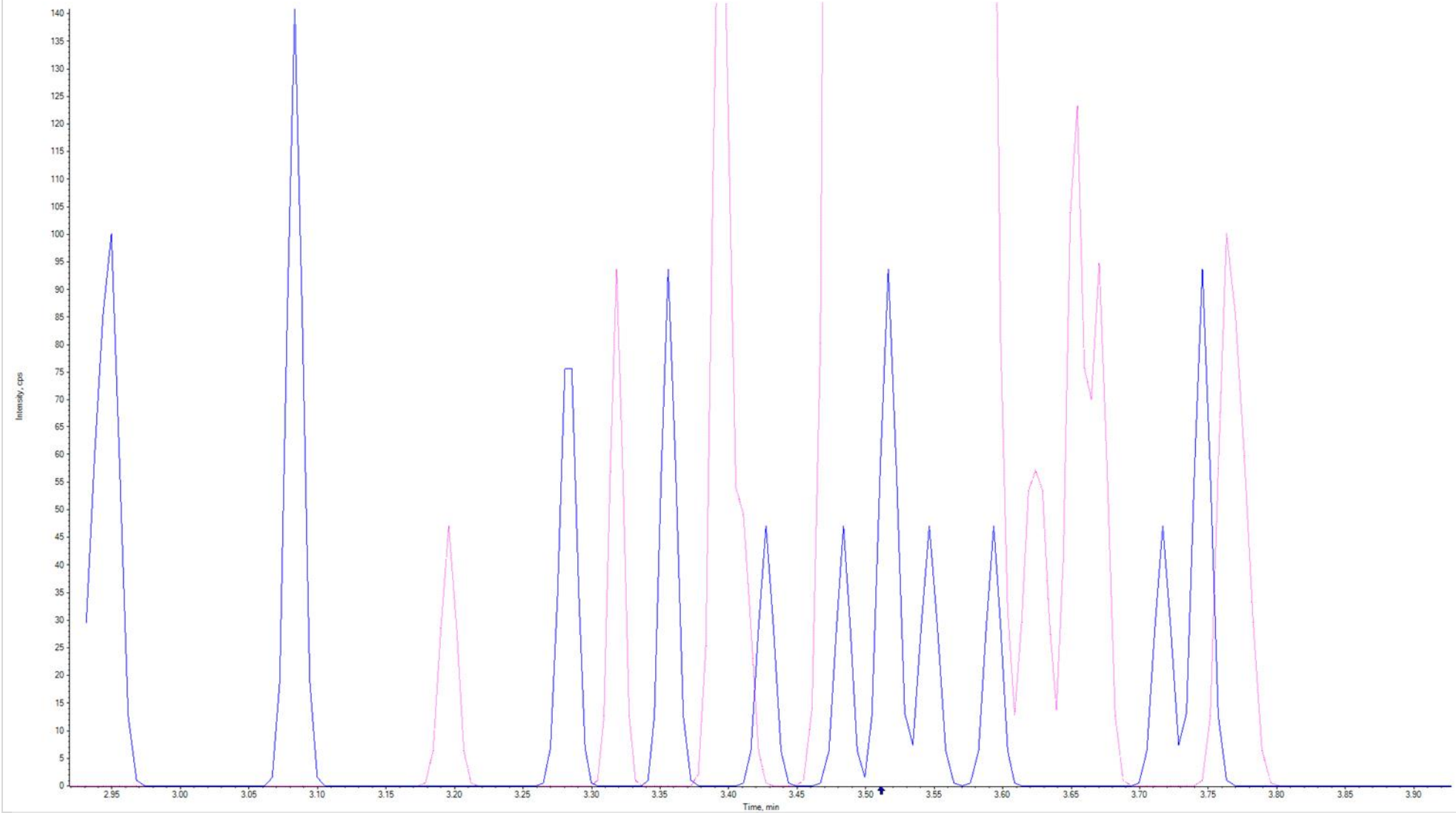


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PFNA
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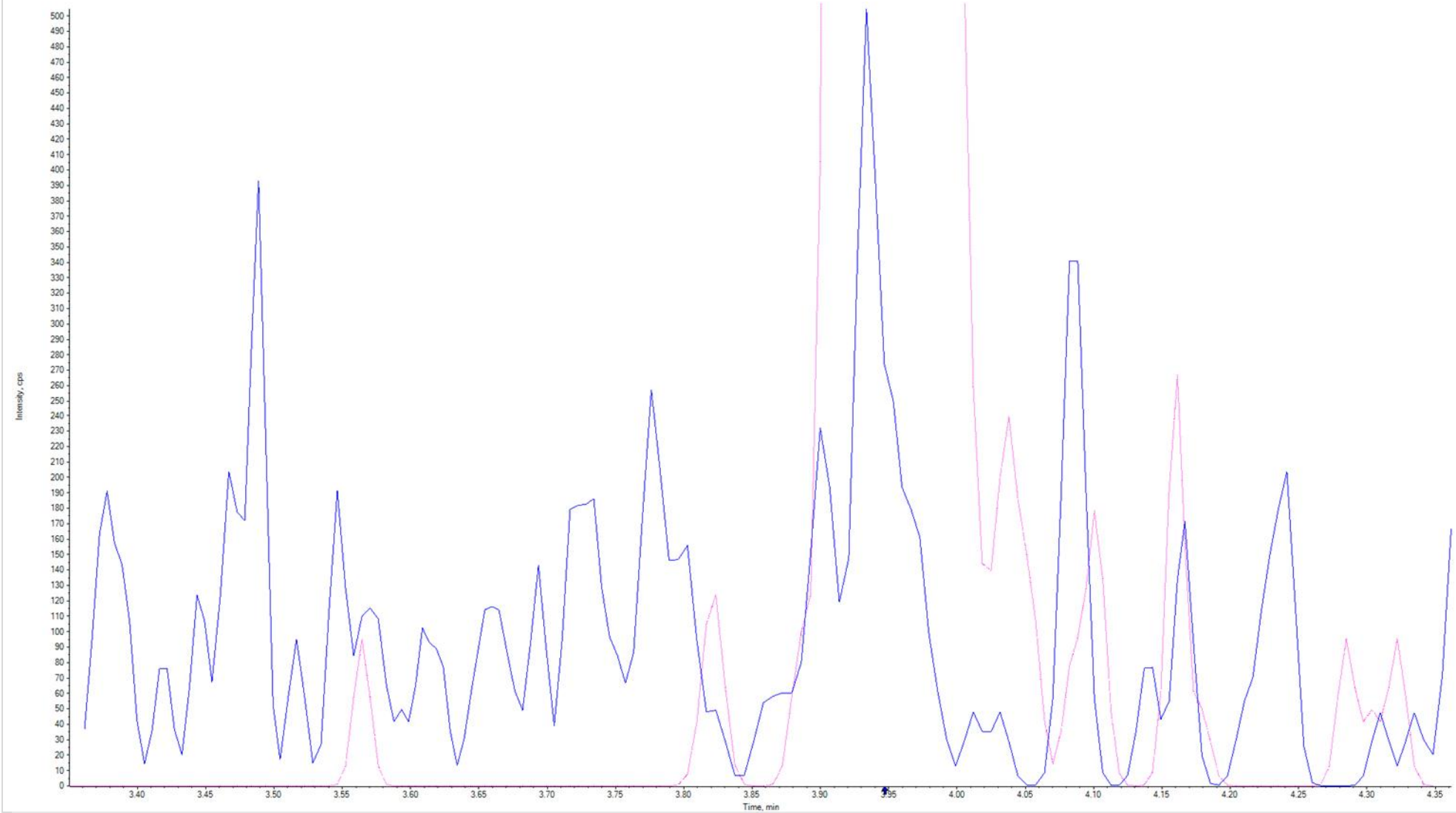


PFNA_2
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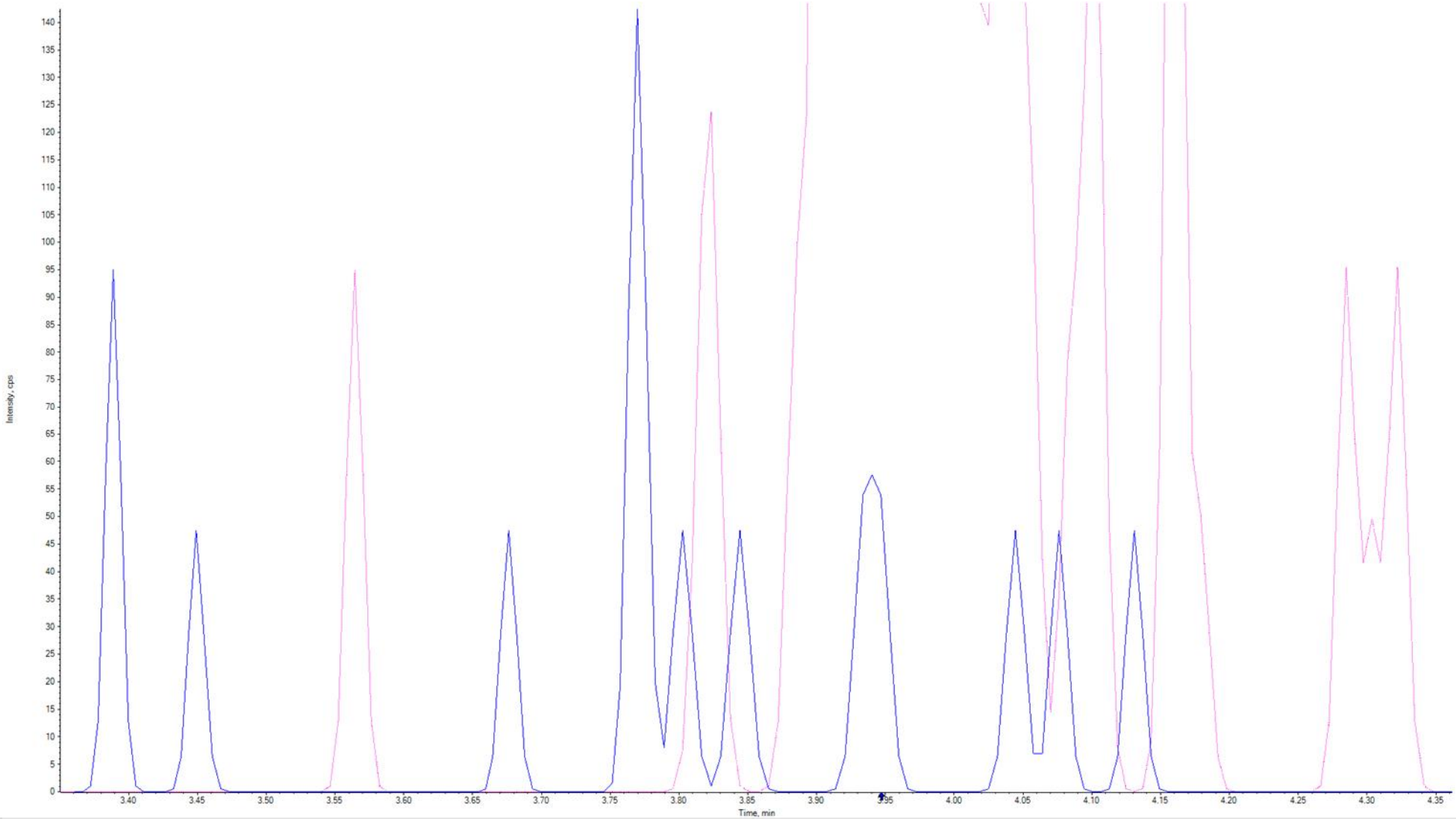
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PFDA
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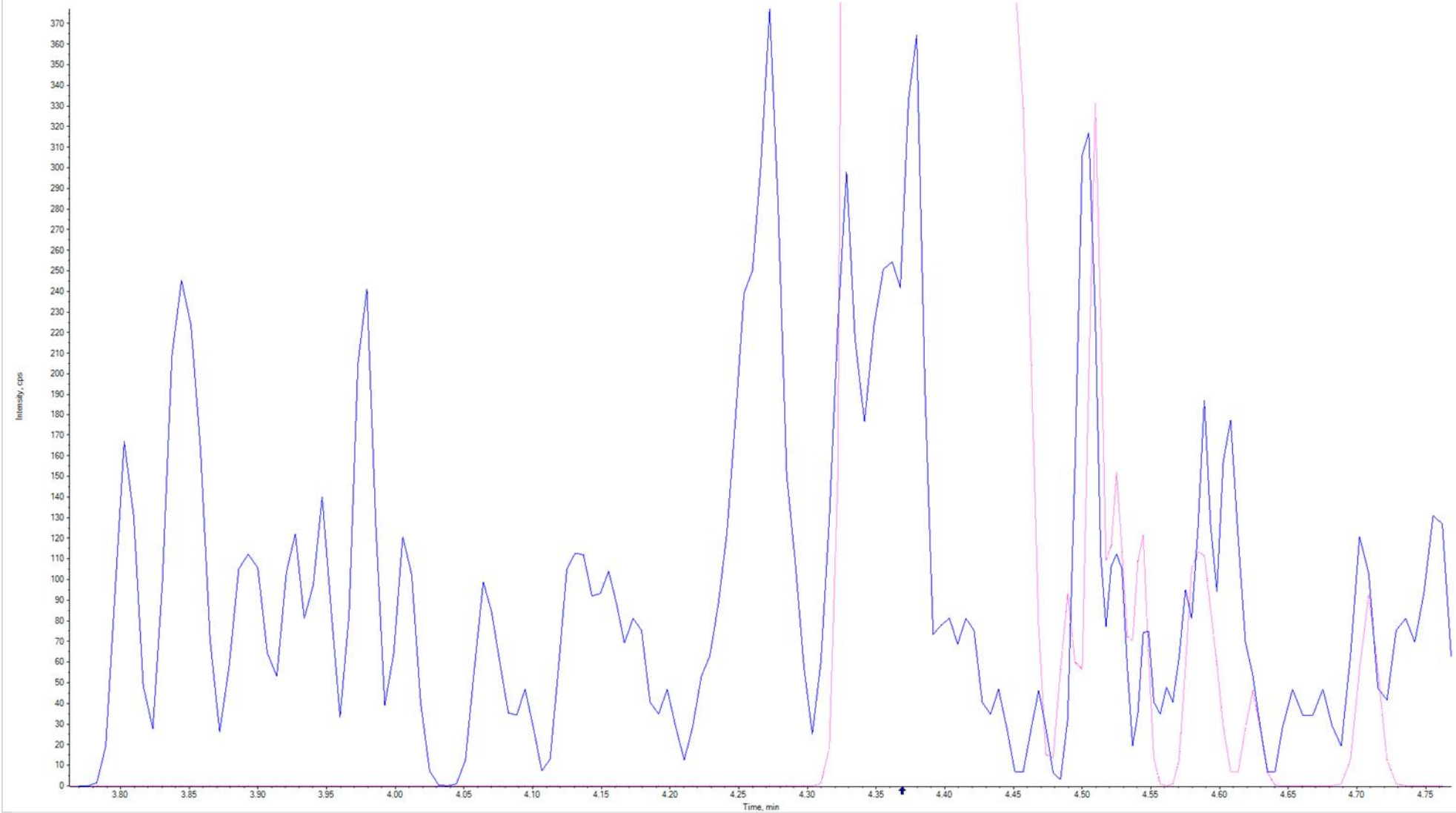
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PFDA_2
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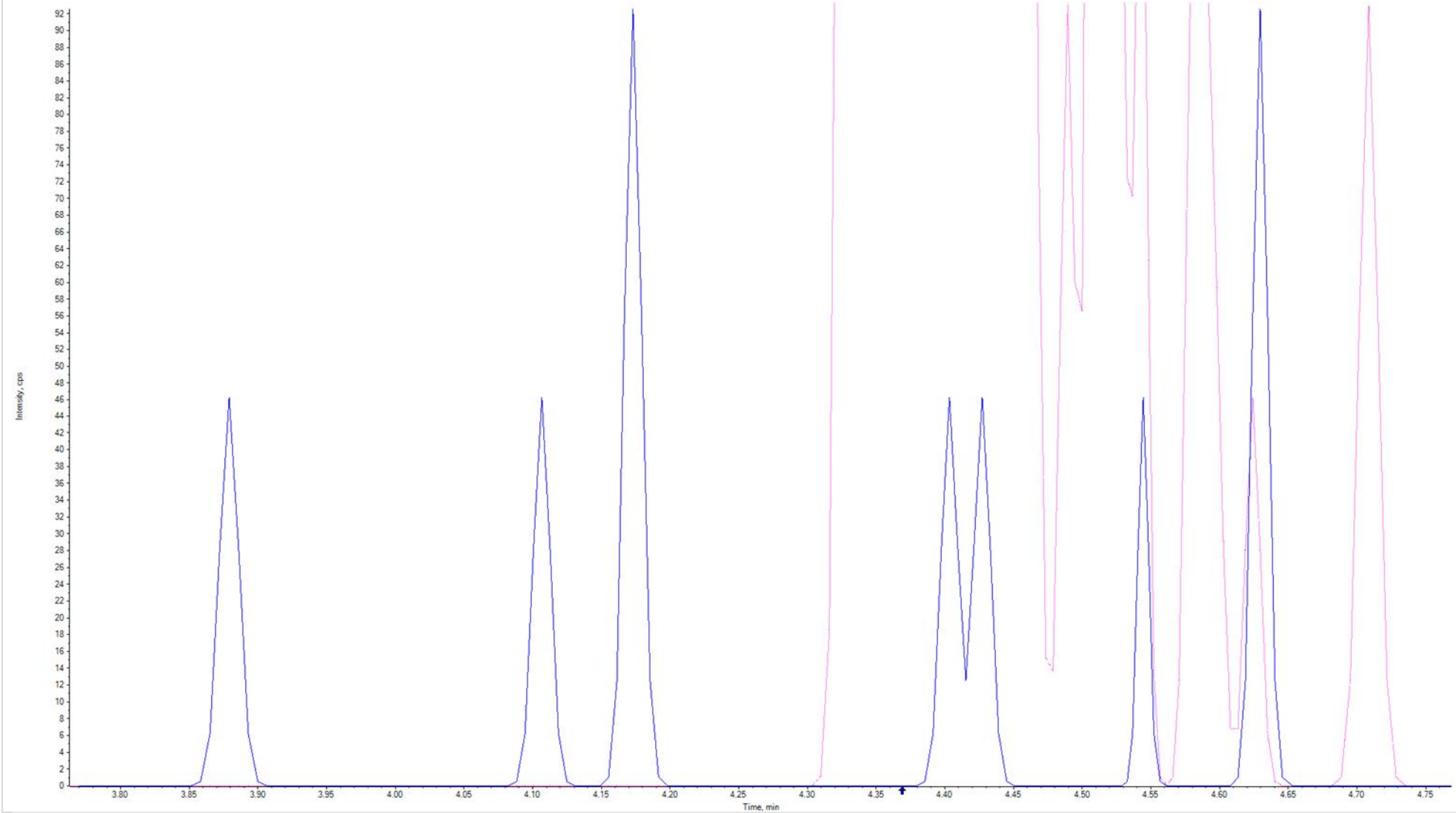
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PFUnA
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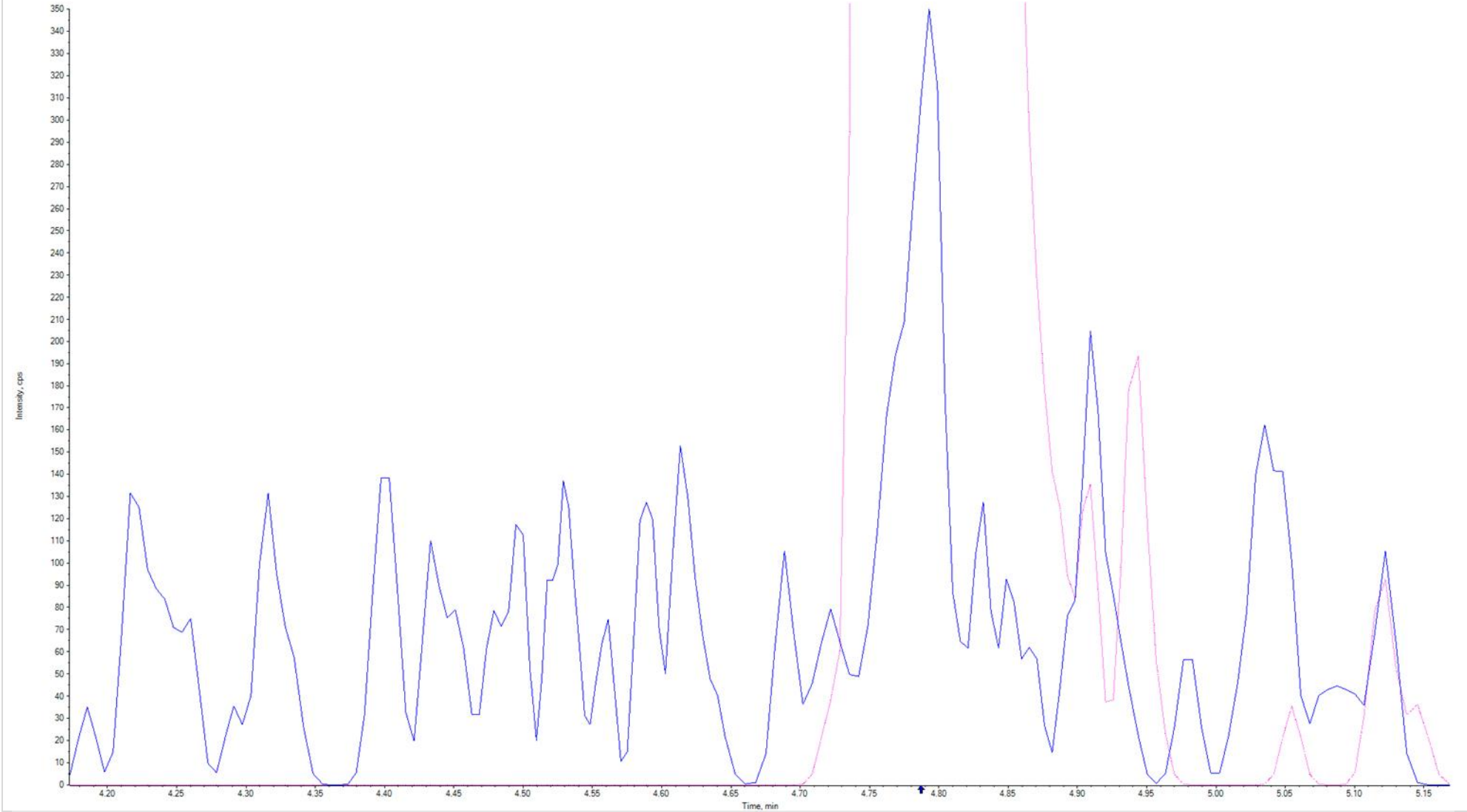
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PFUnA_2
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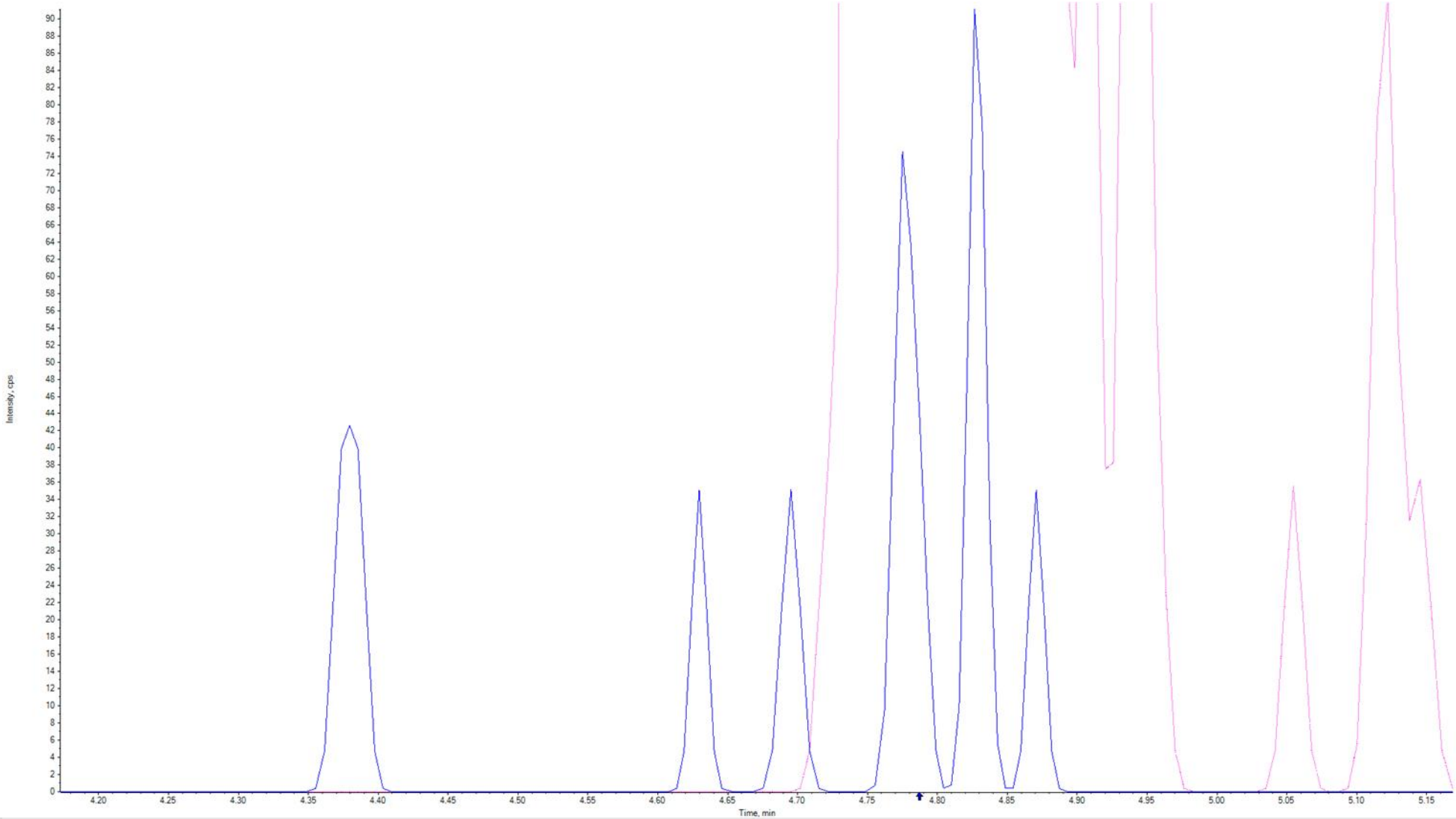
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PFDoA
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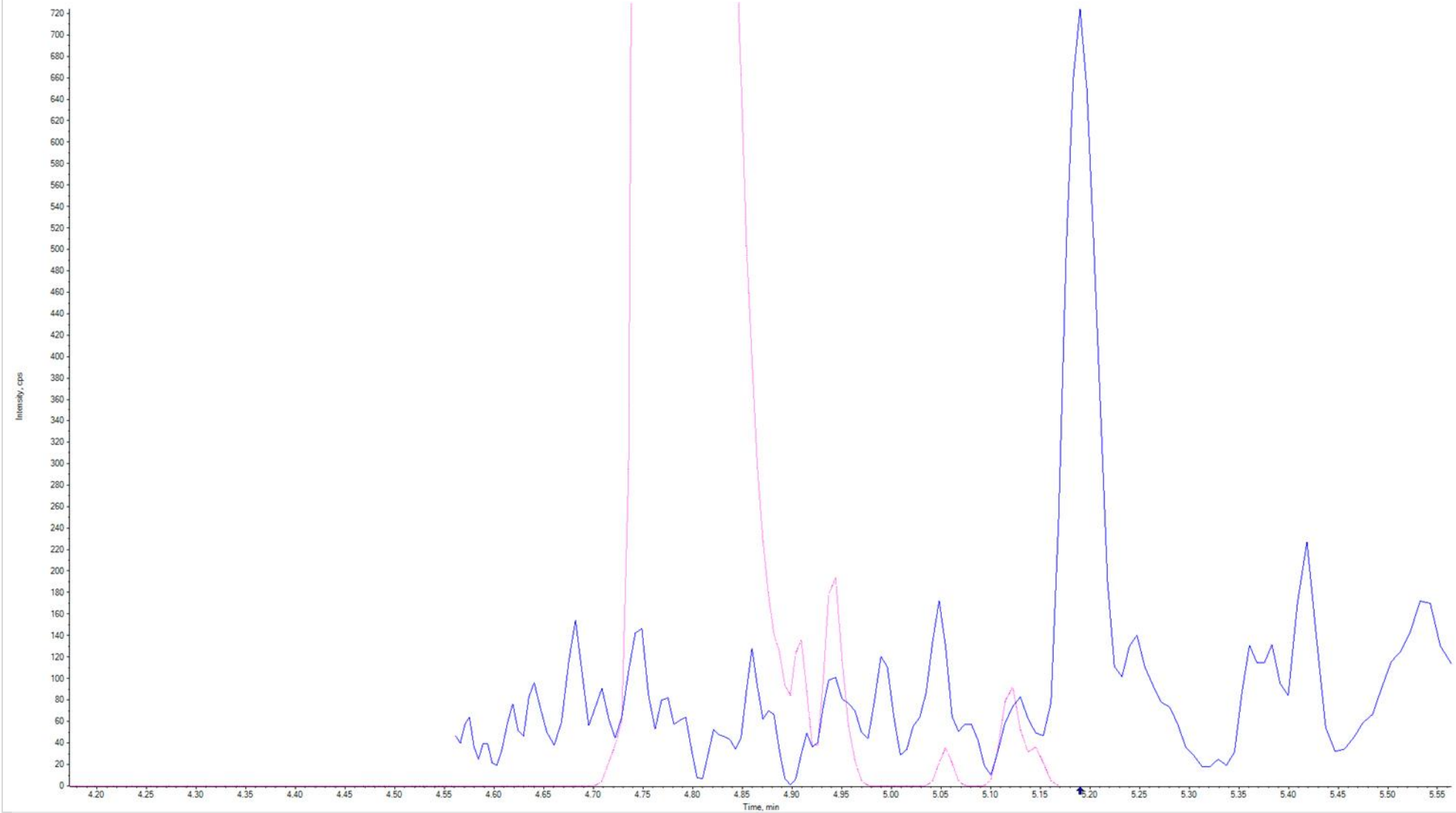
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PFDoA_2
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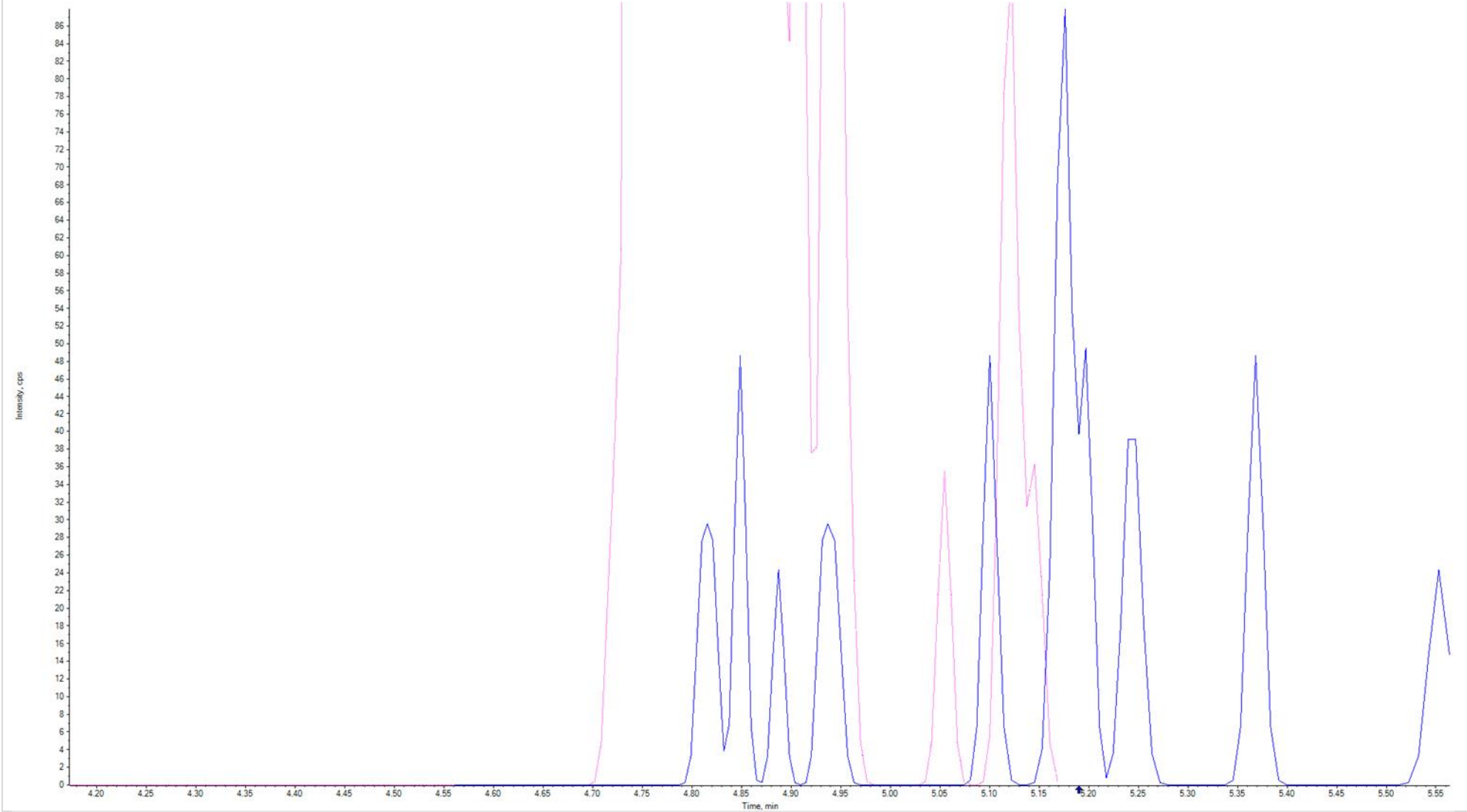
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PFTrDA
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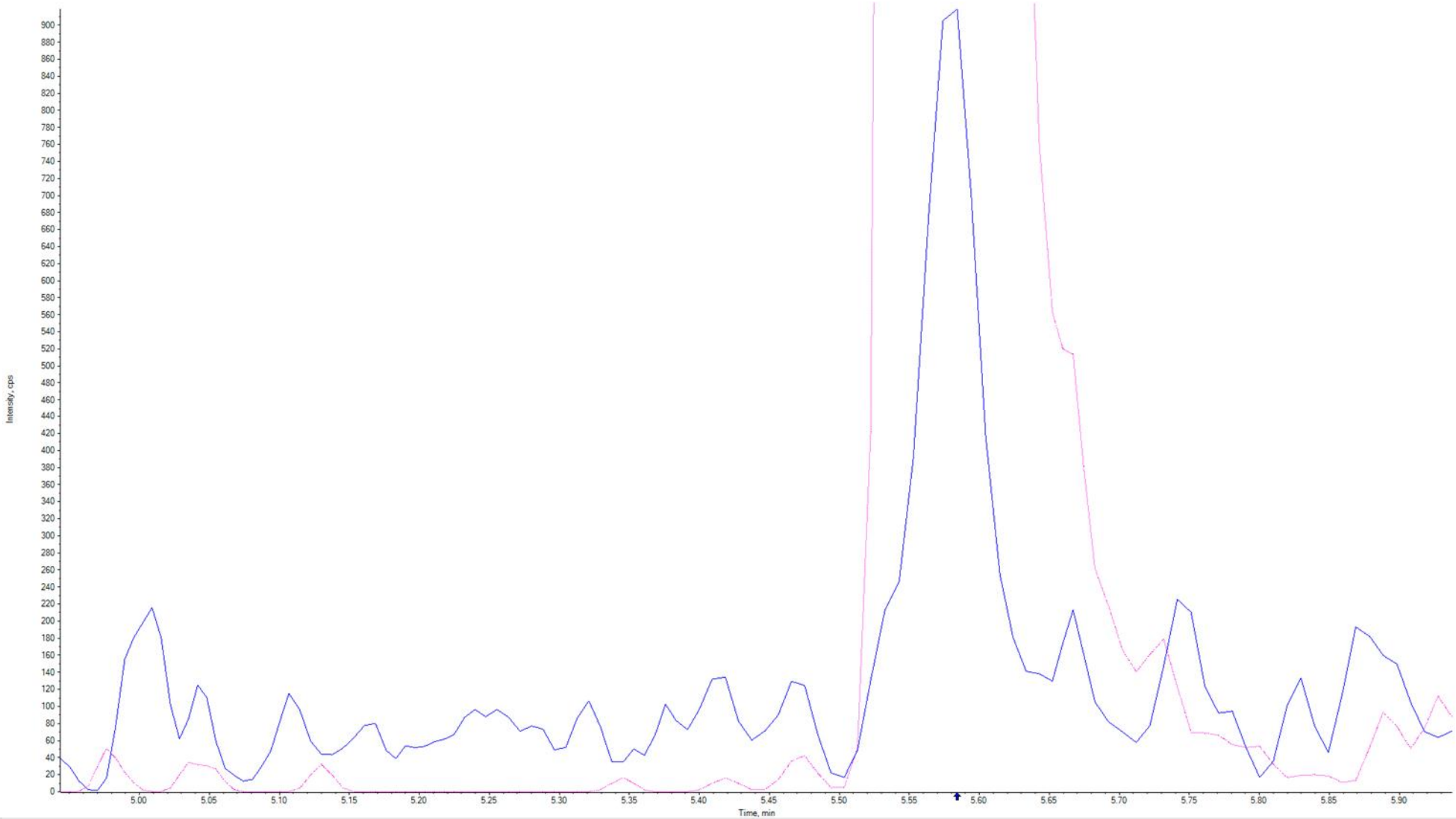
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PFTrDA_2
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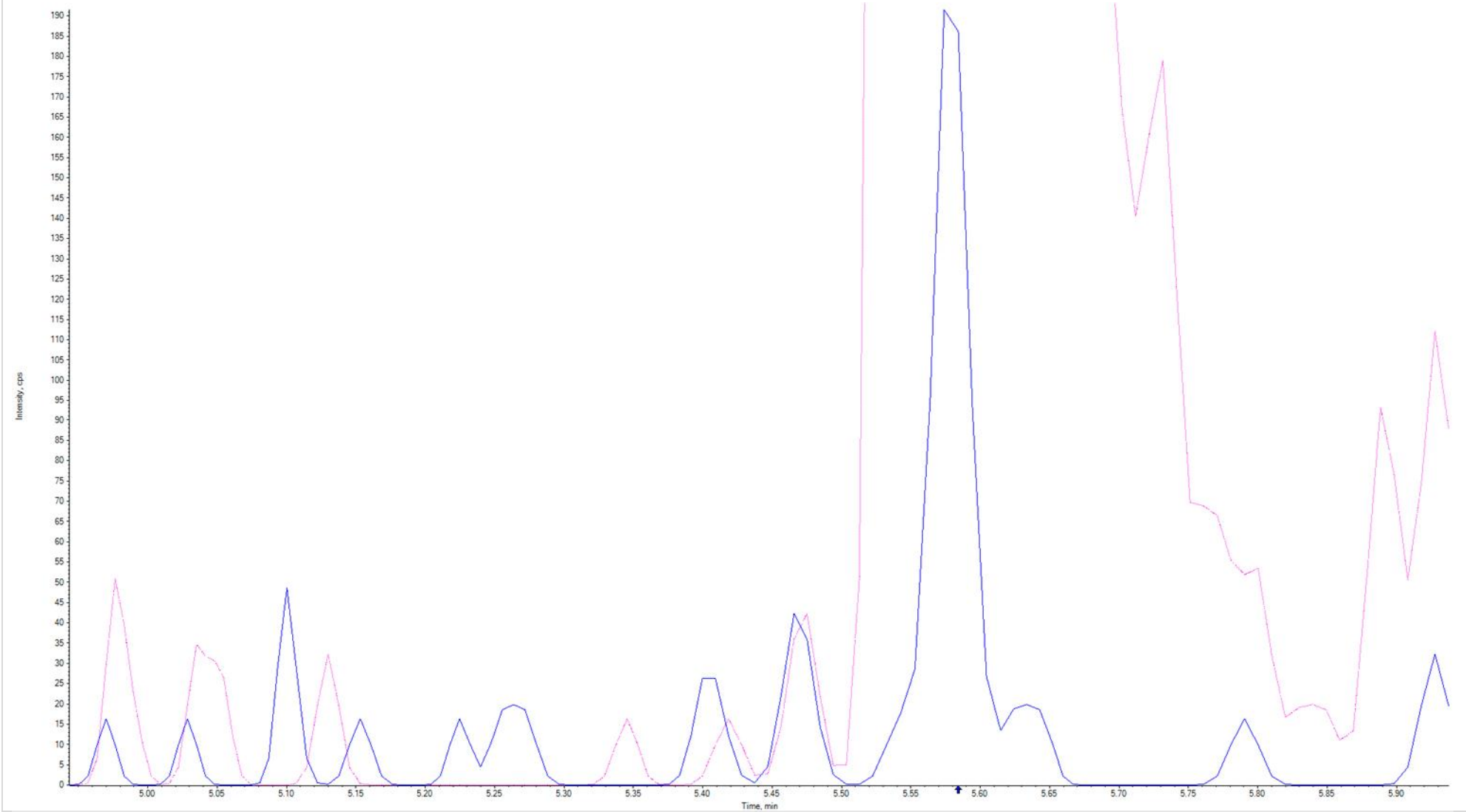
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PFTeDA
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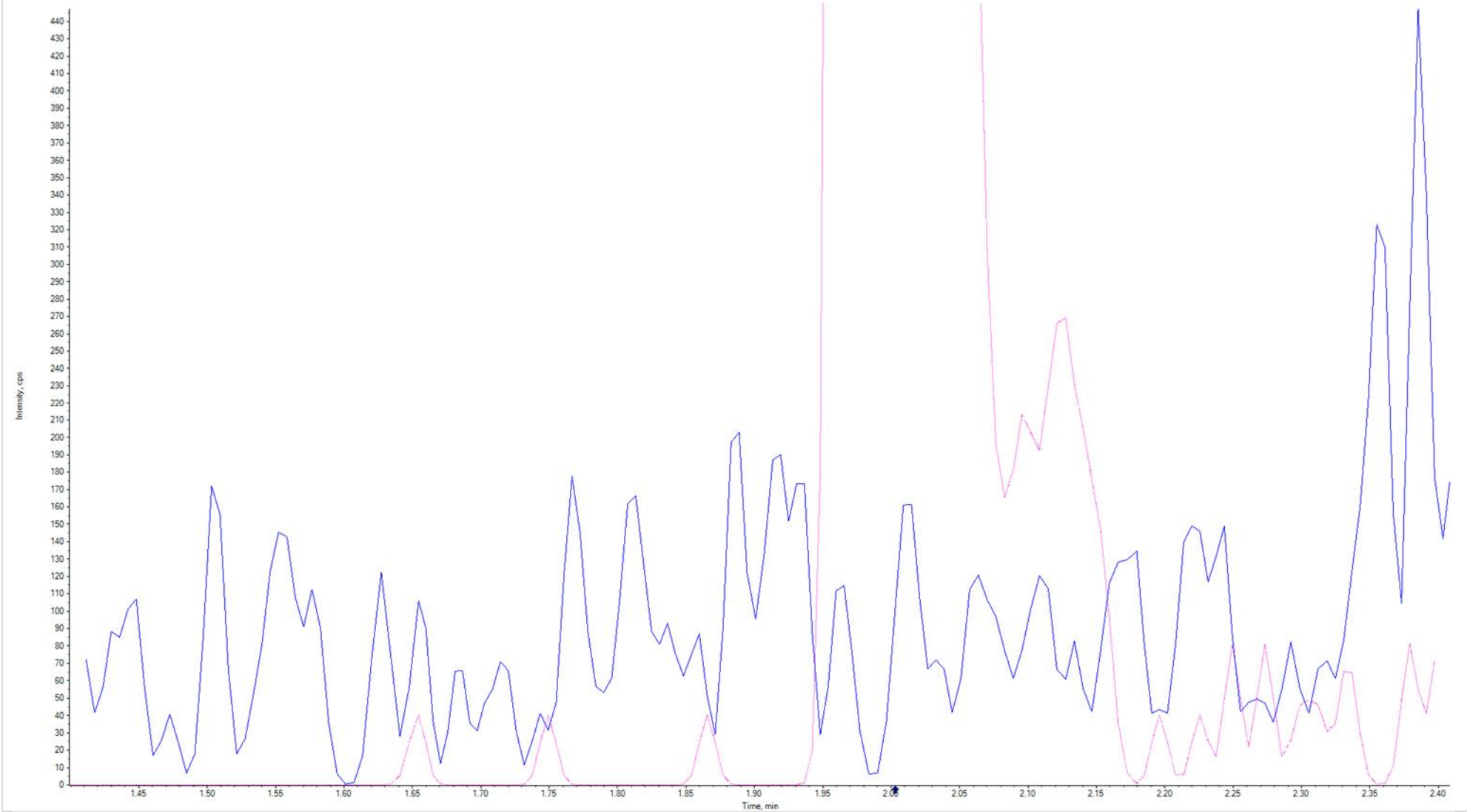


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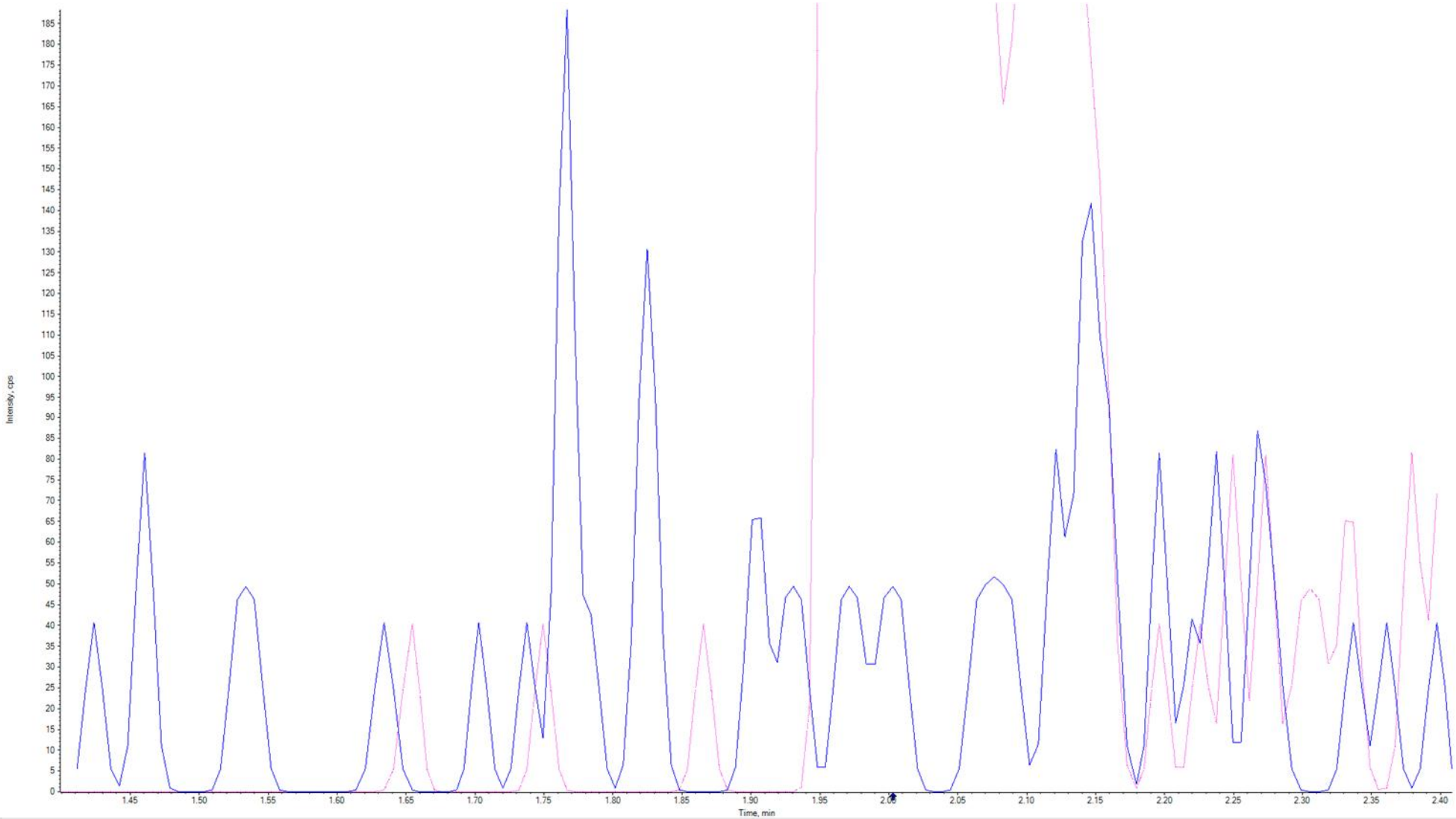


PFBS
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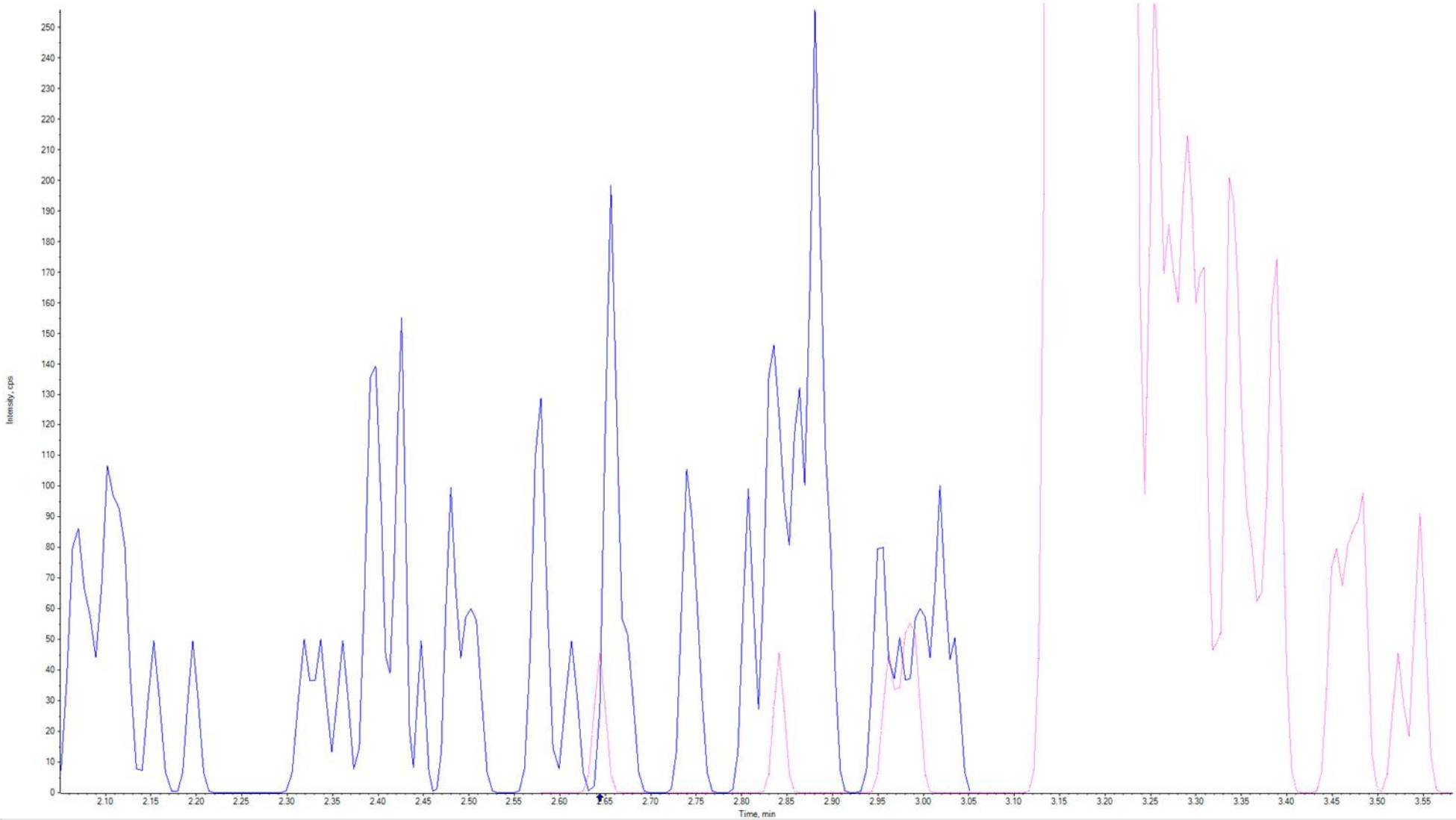


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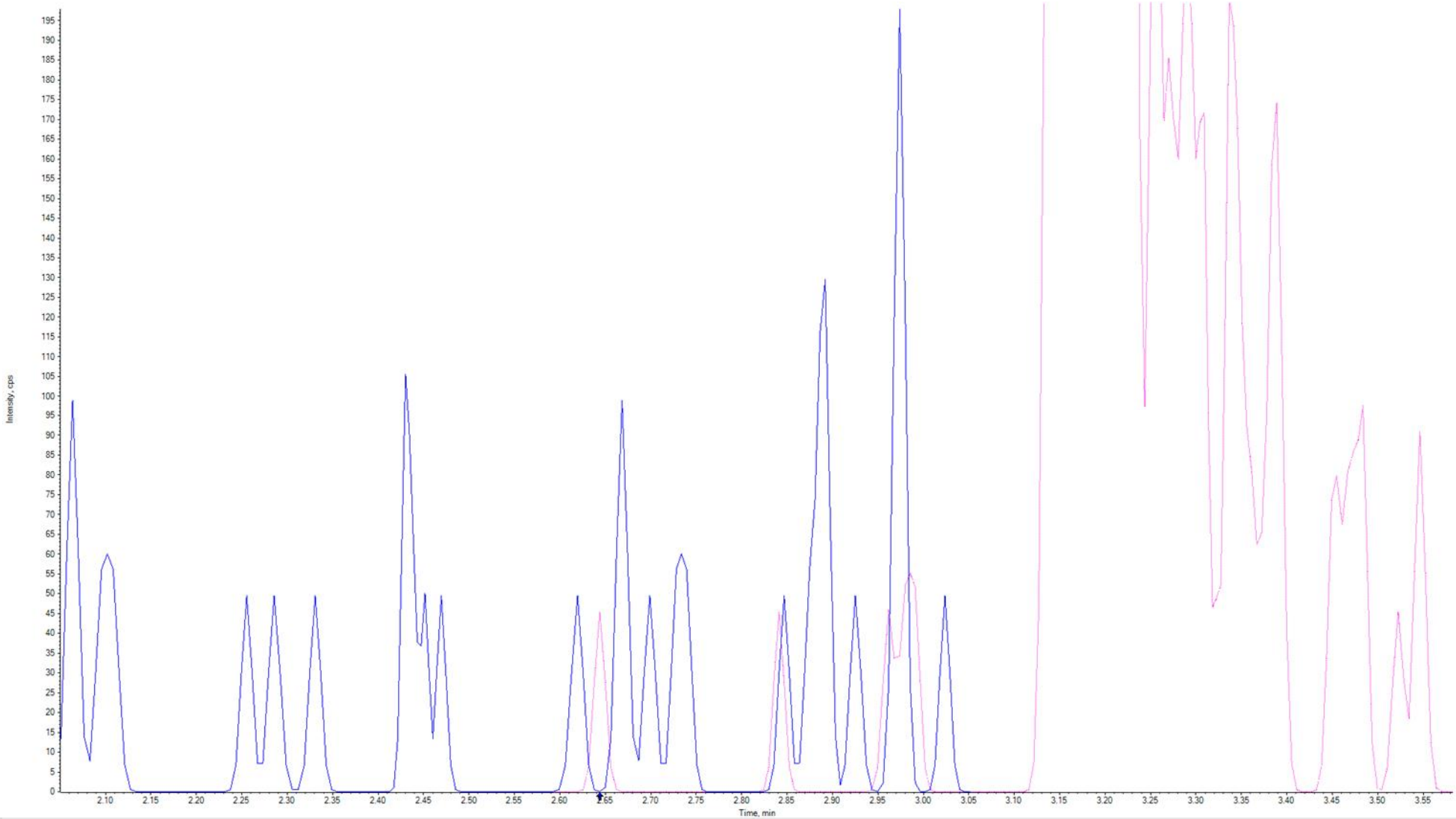
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PFPeS
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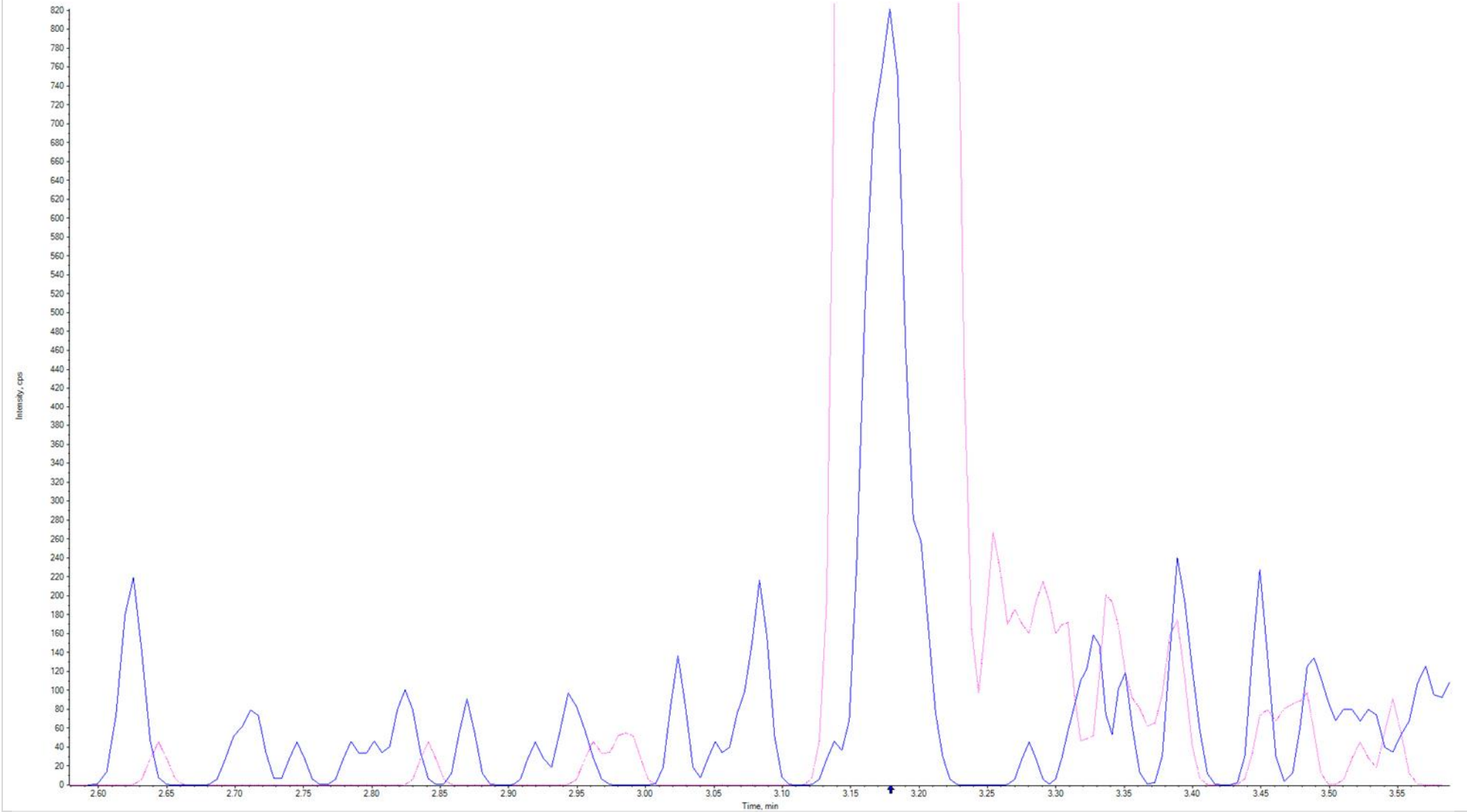


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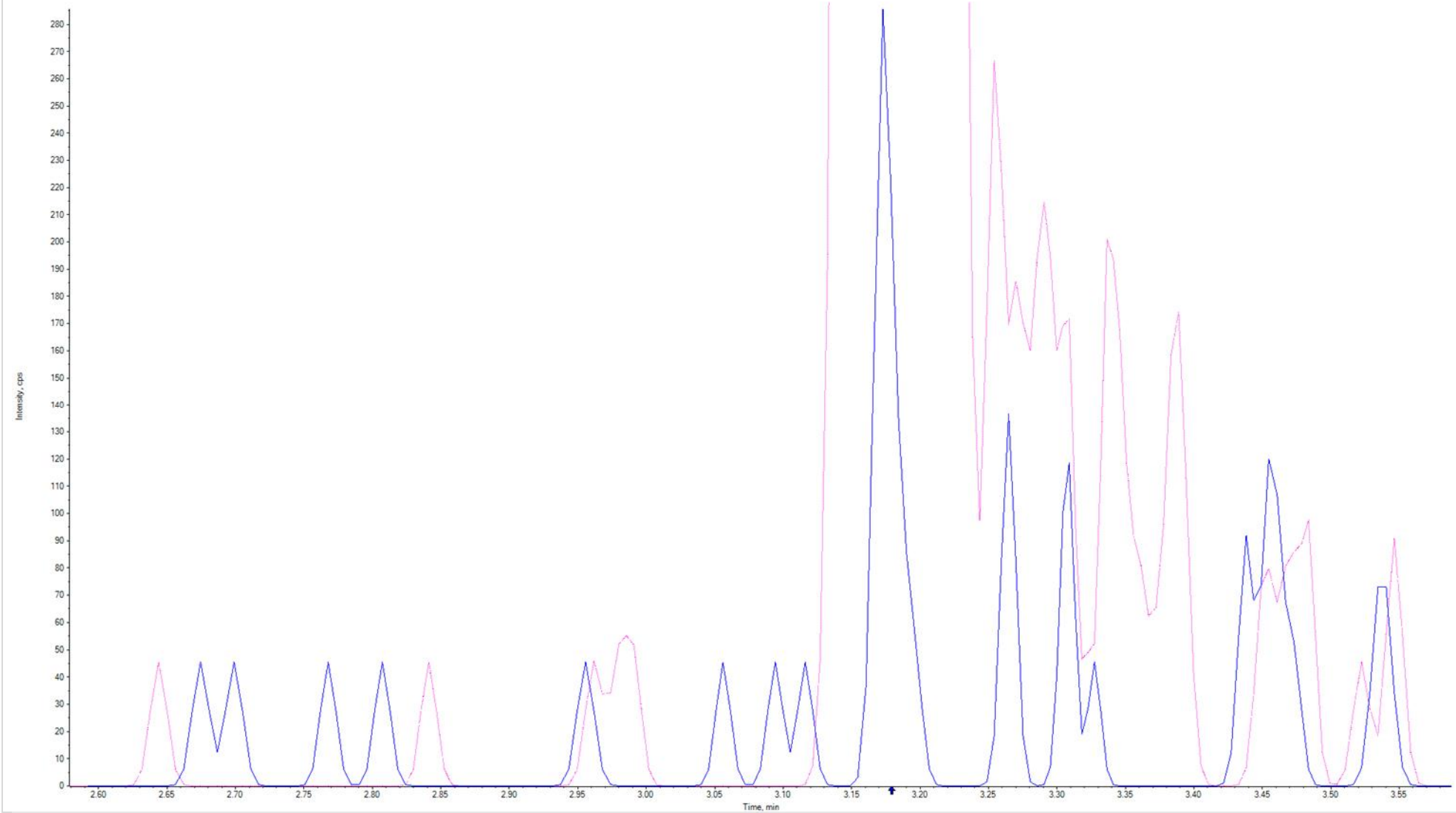


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PFHxS
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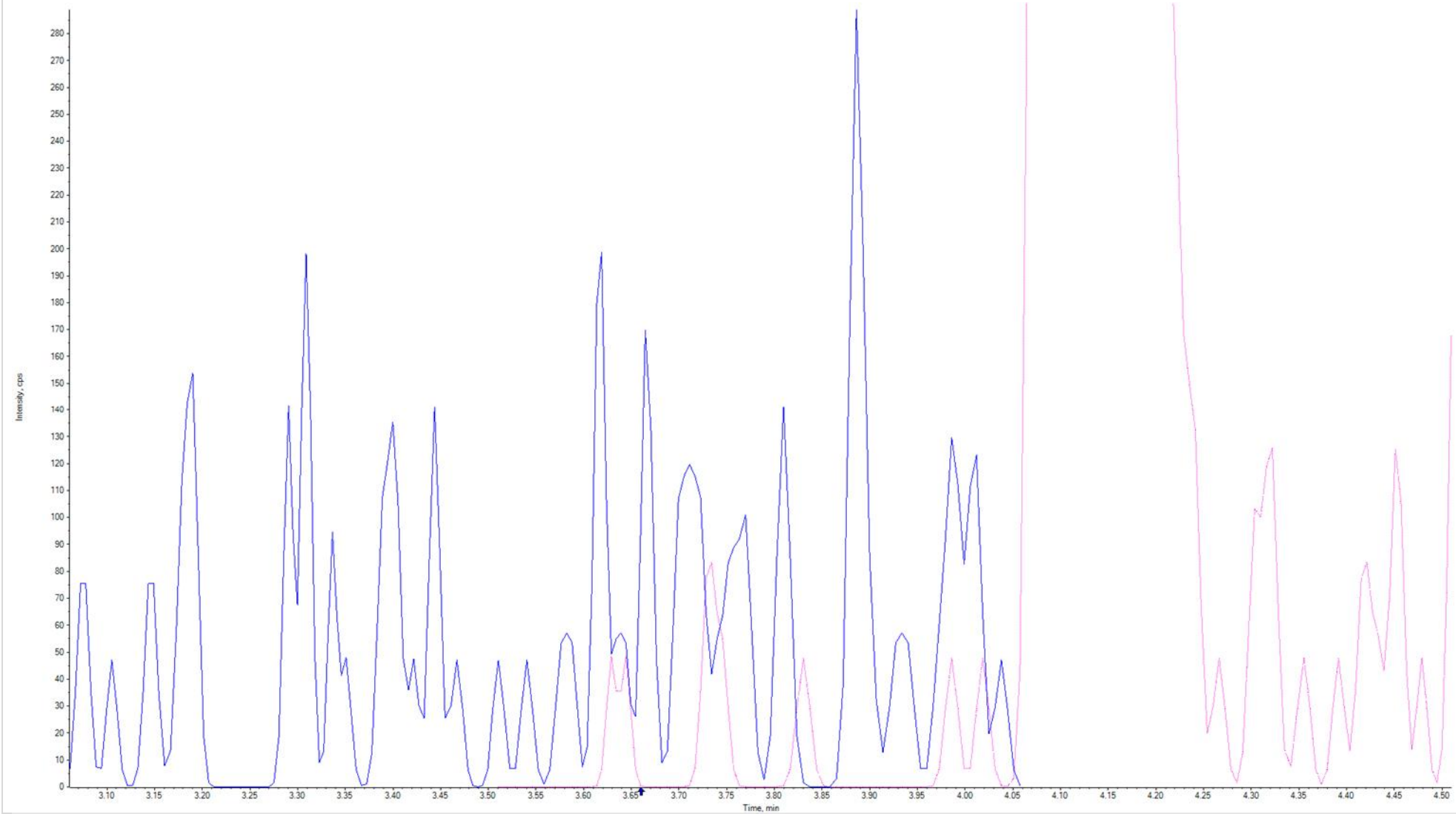


PFHxS_2
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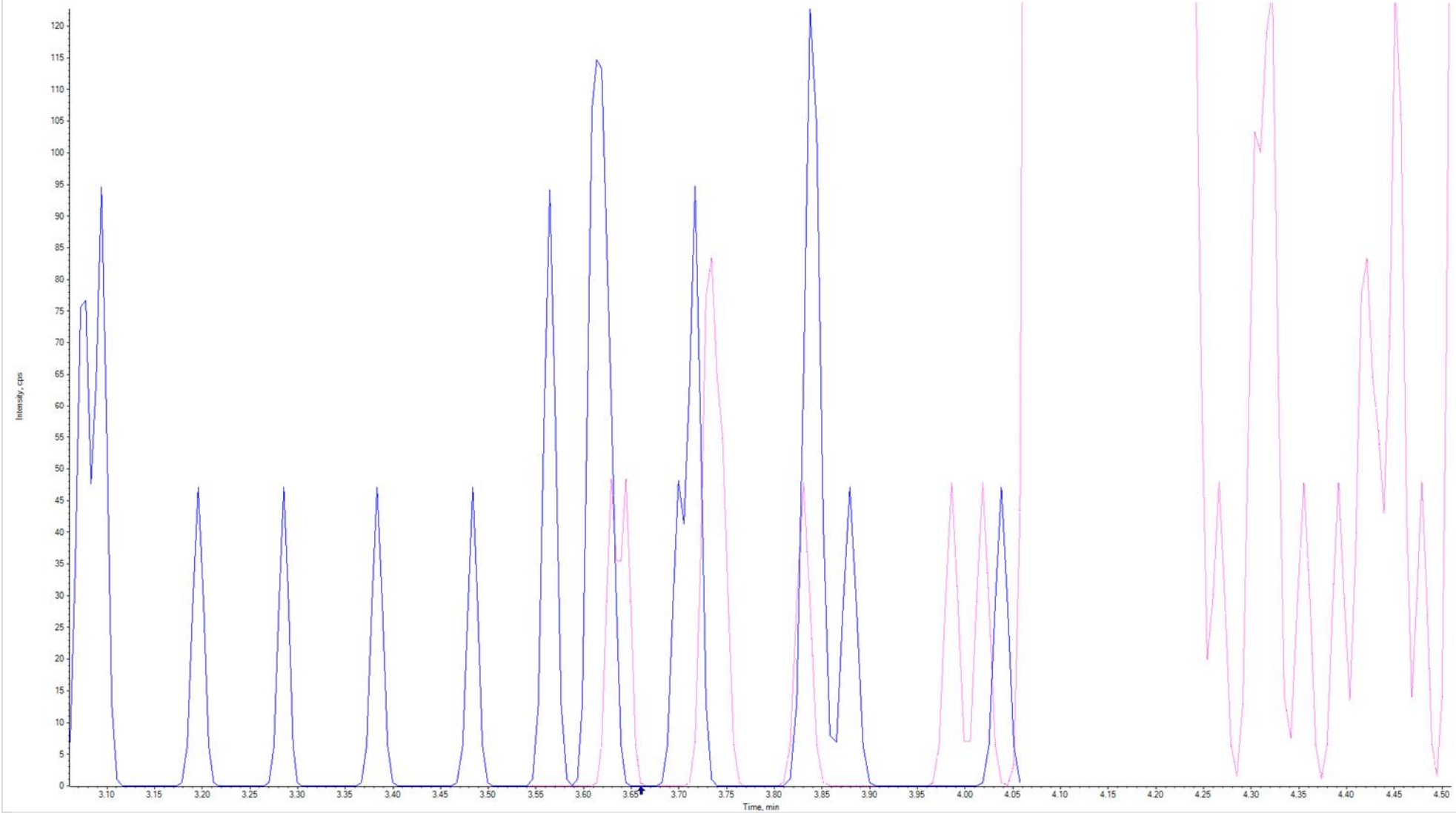
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PFHpS
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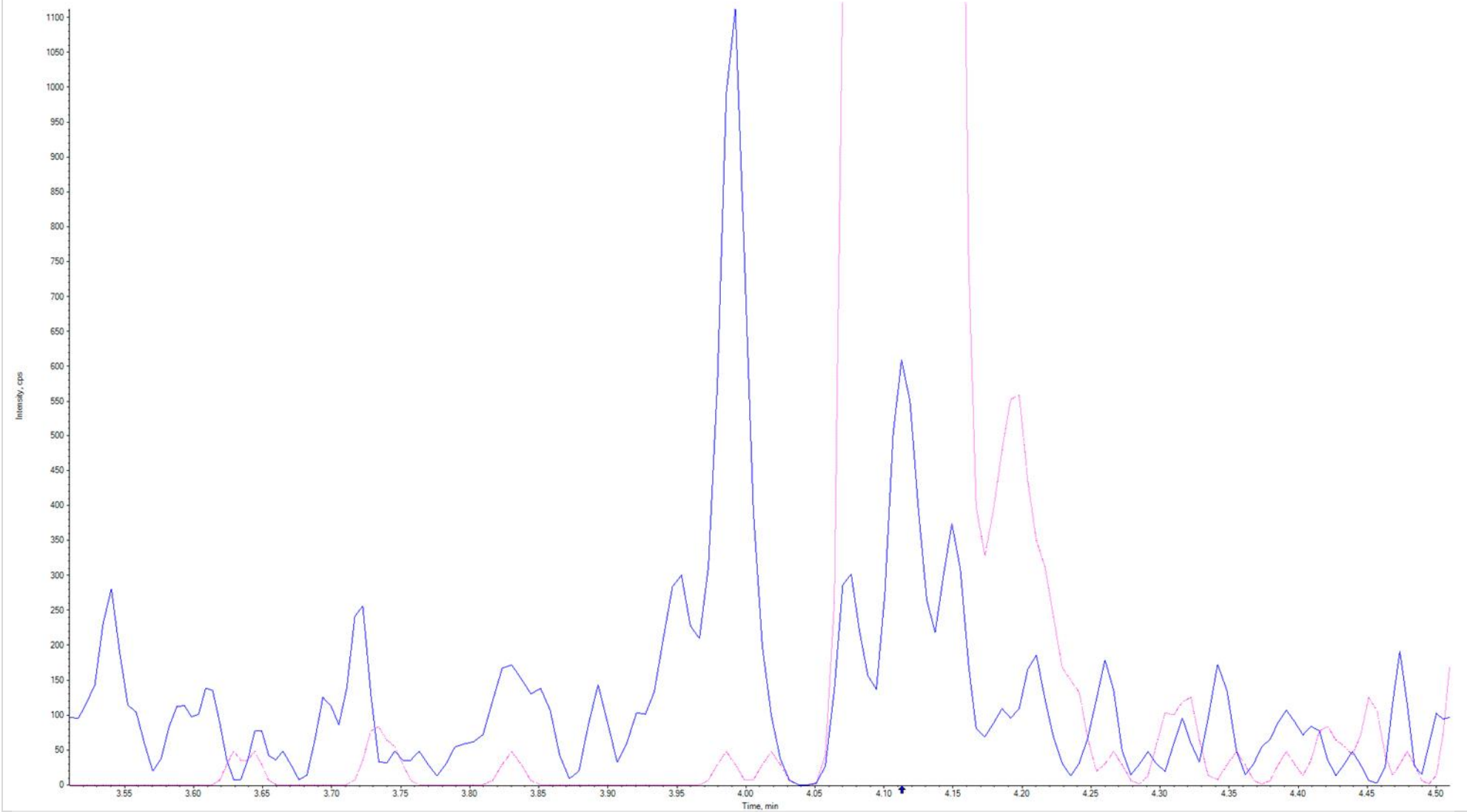
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PFHpS_2
Sample: WG2009822-3,INSTBLNK S/N:N/A Points Across peak:N/A



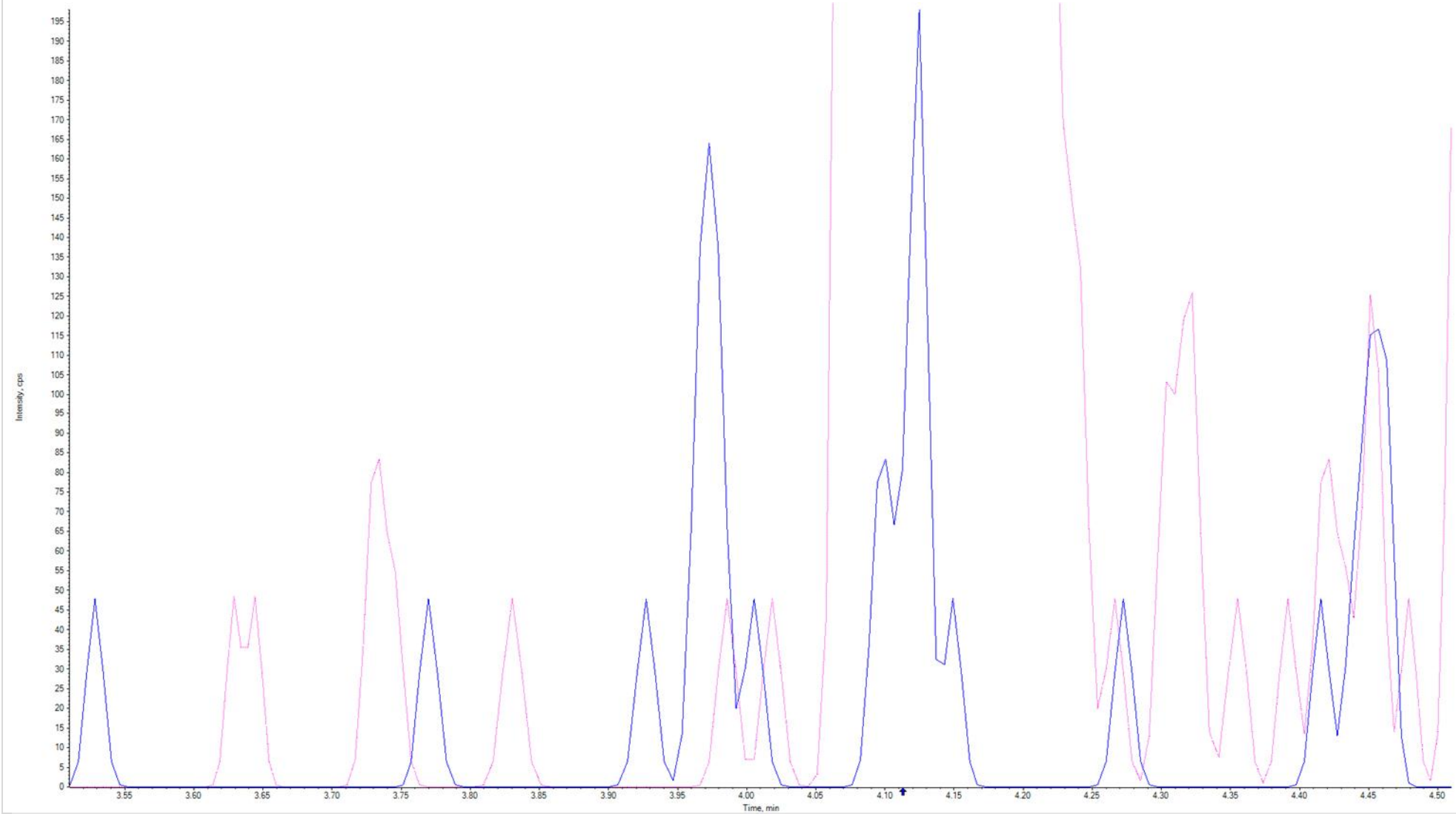
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Alpha Analytical LLC
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PFOS
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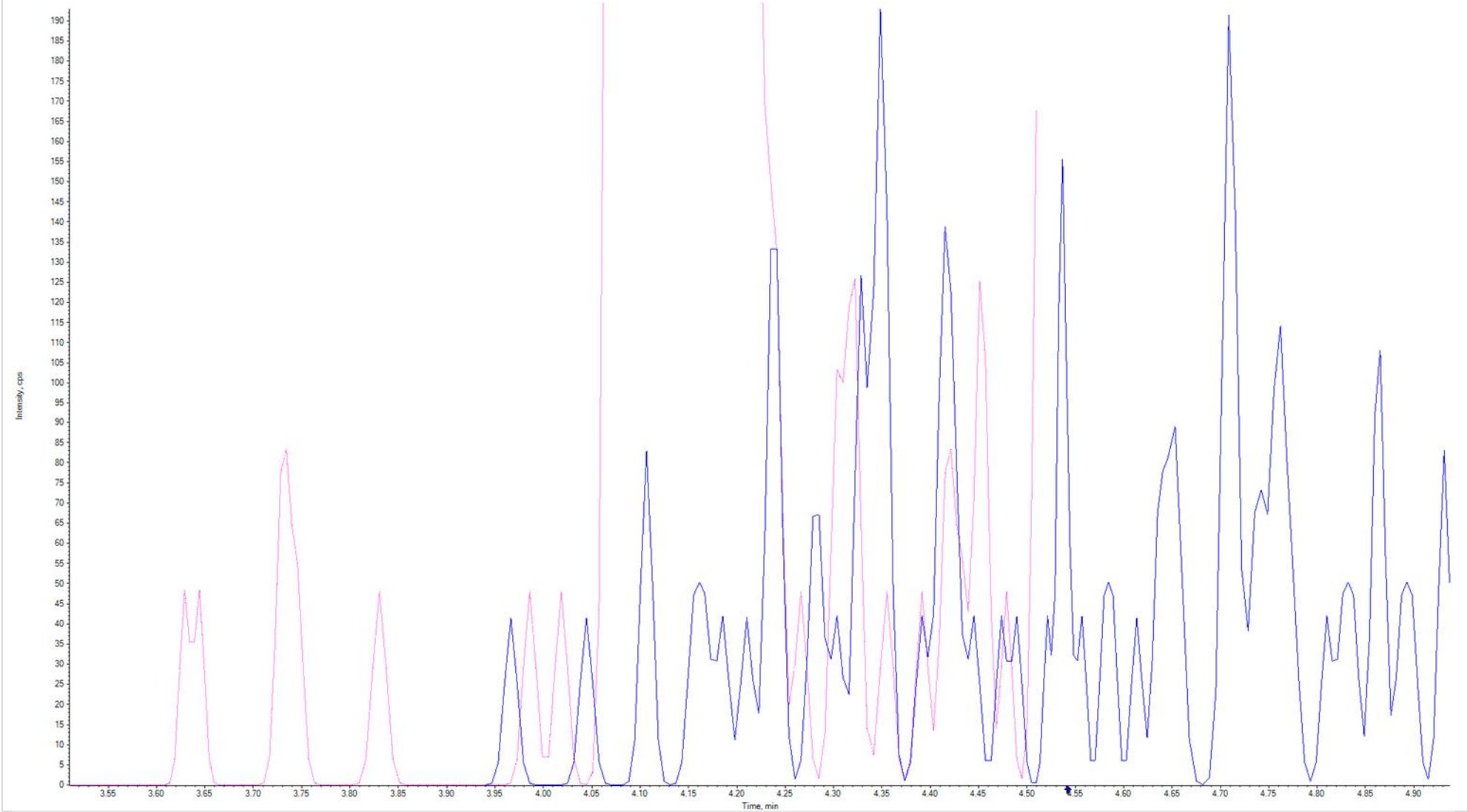


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PFOS_2
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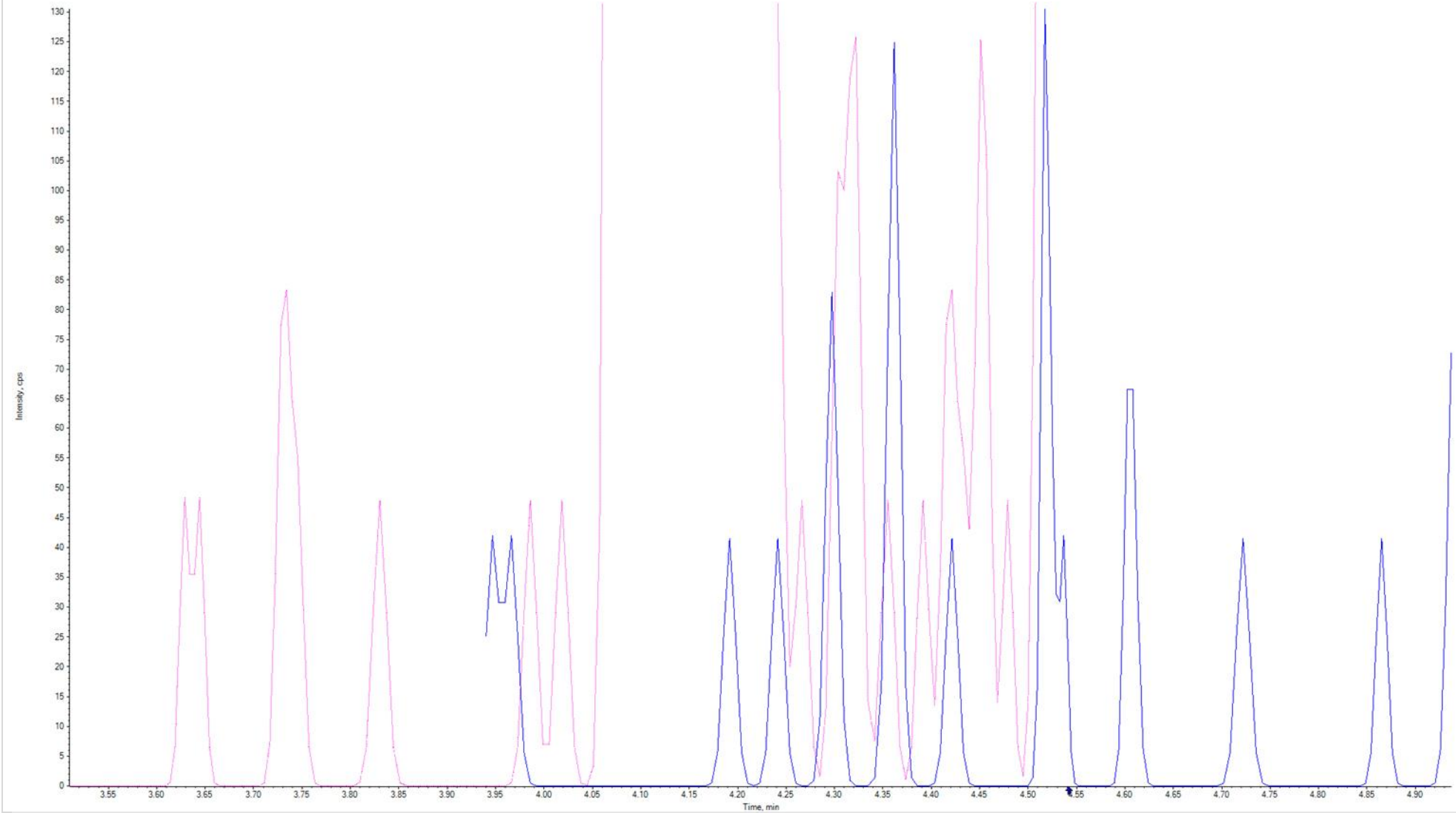


PFNS
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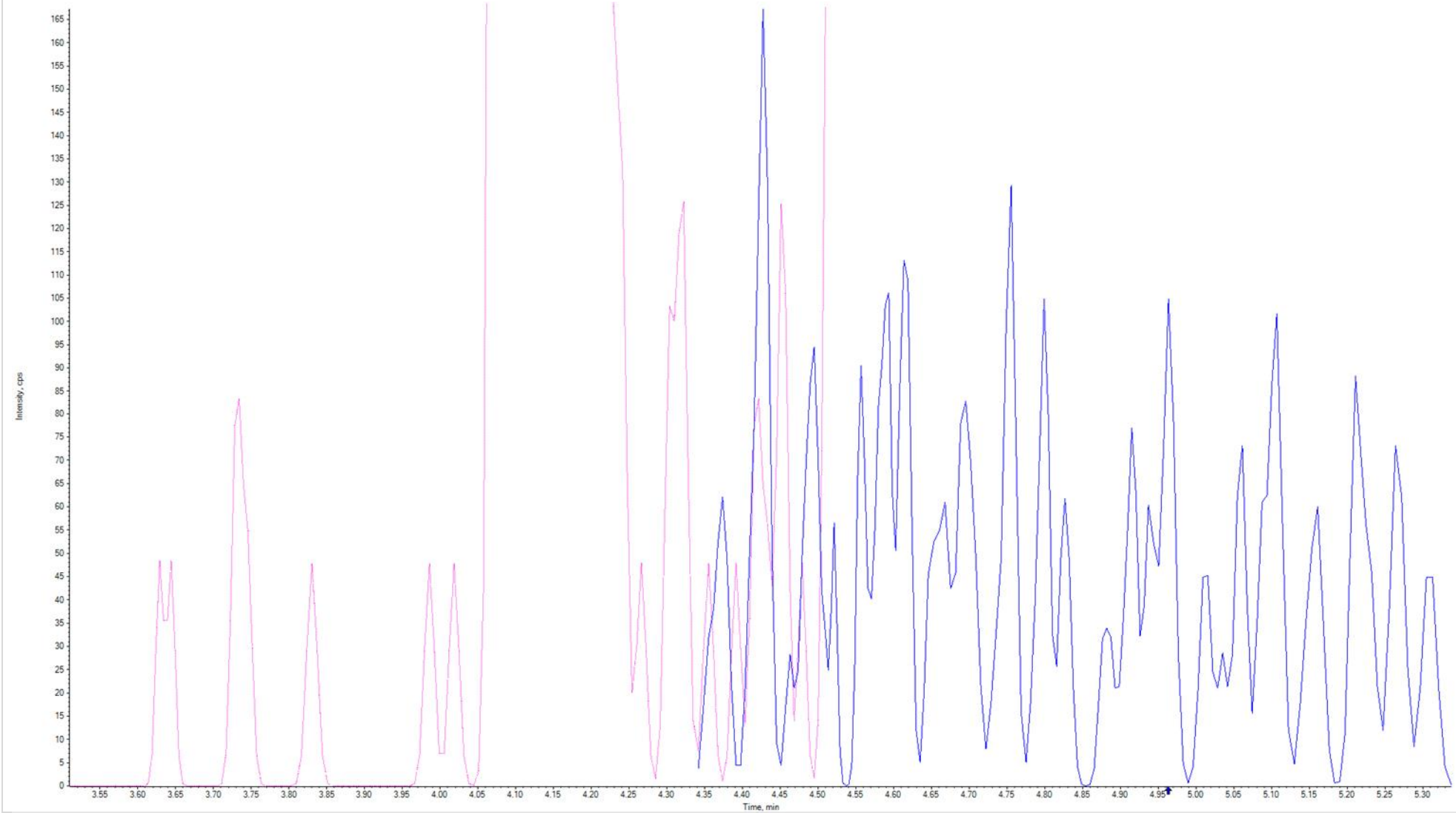
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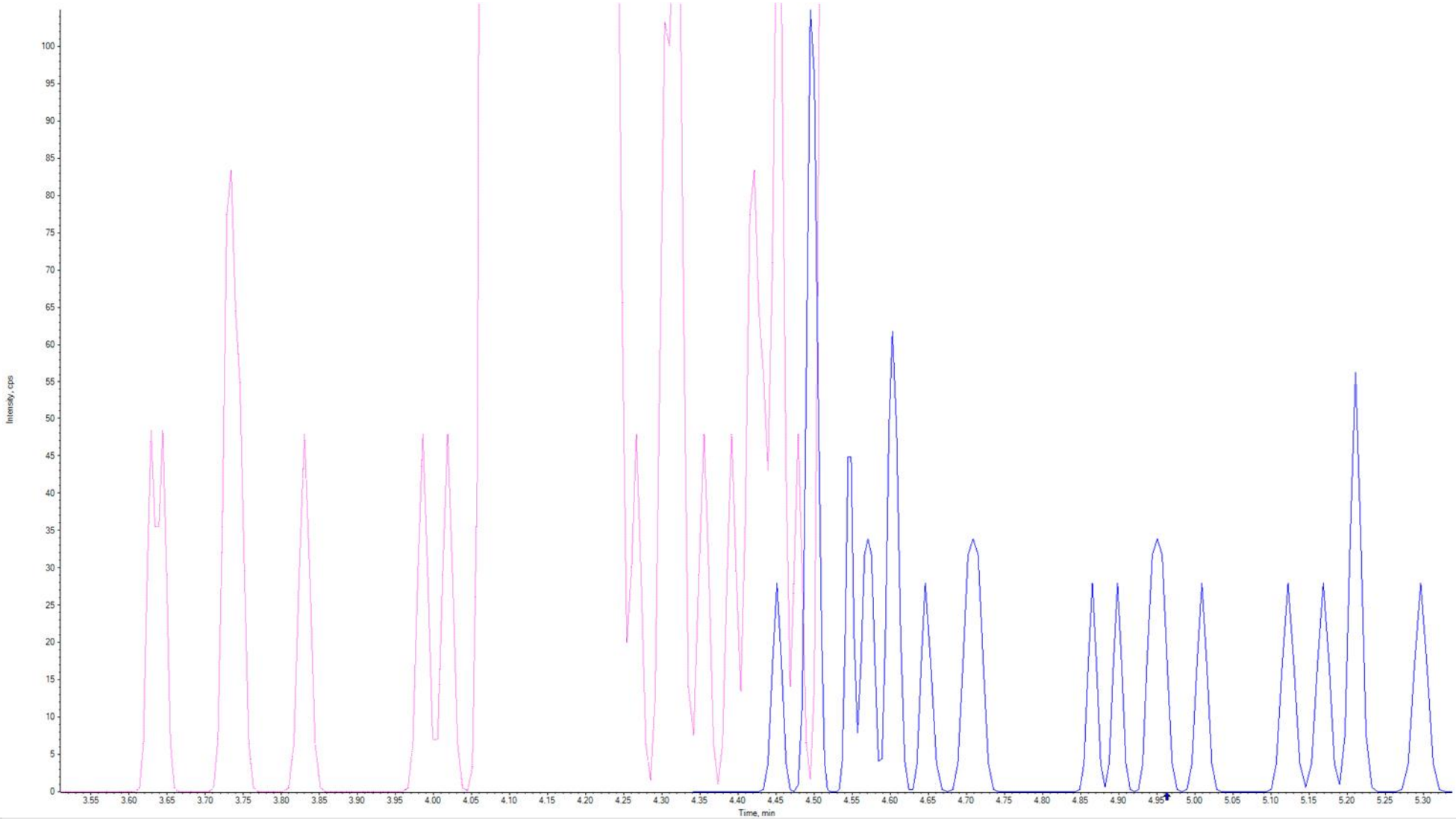


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PFDS
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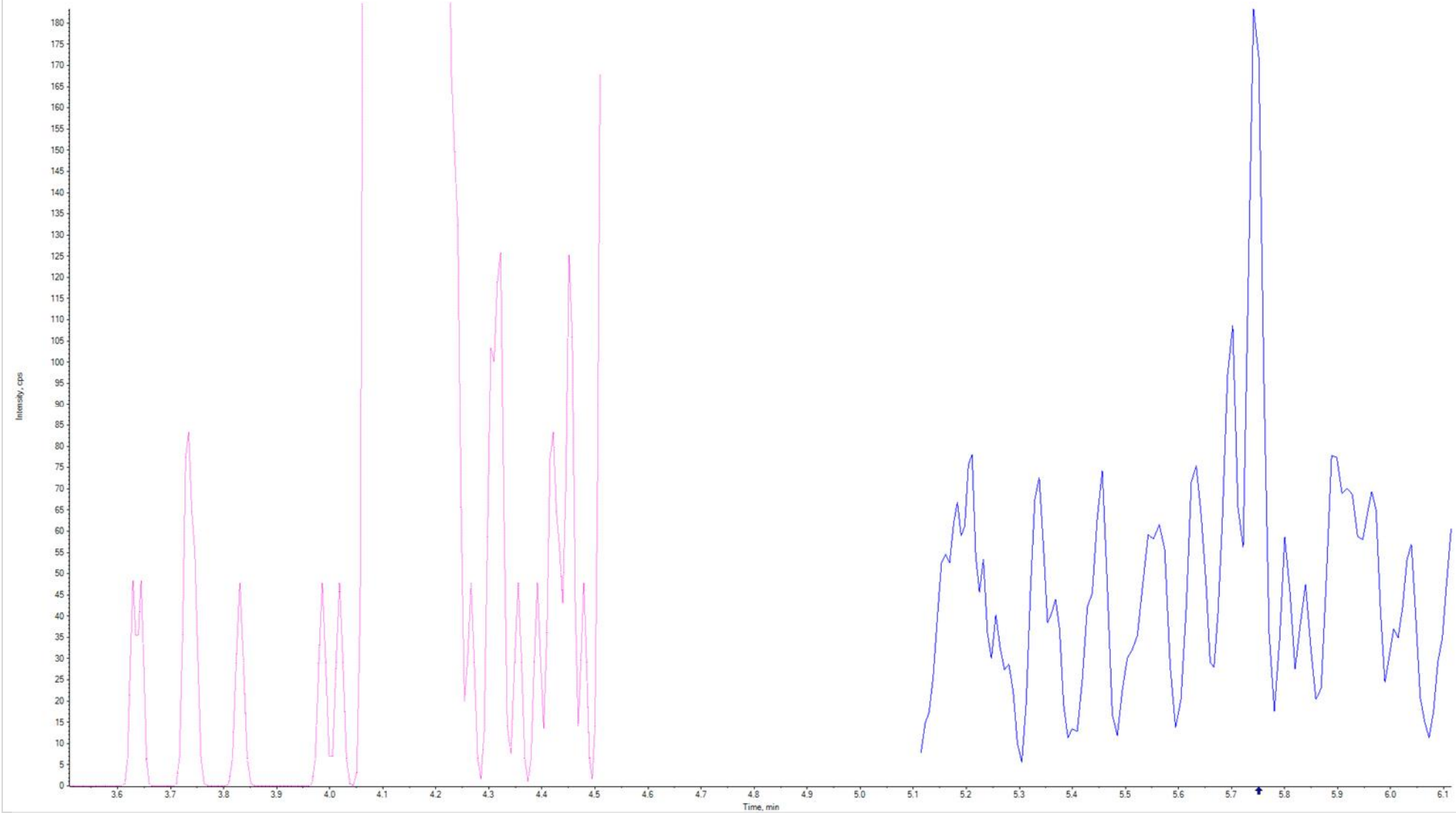


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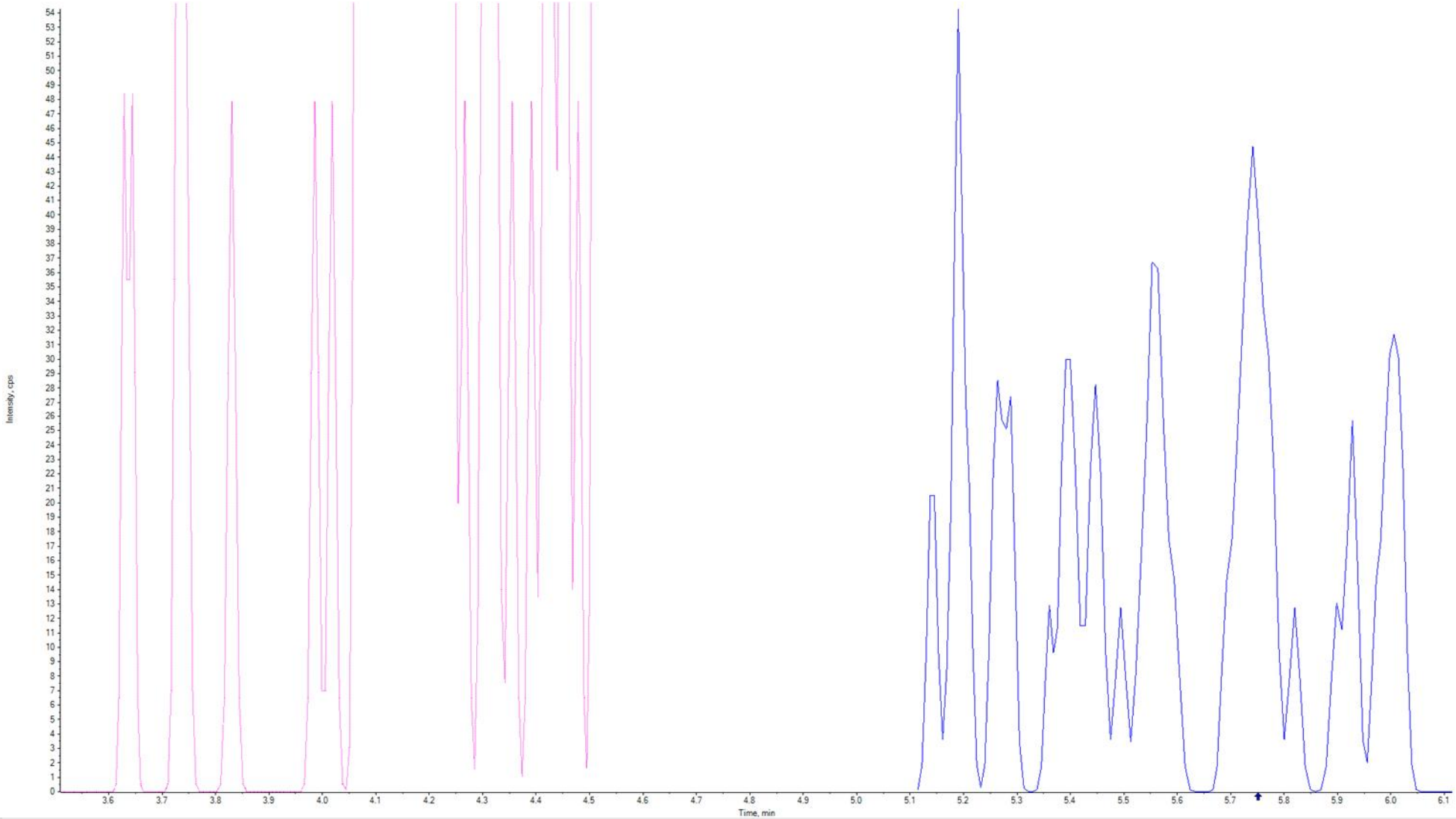
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PFDoS
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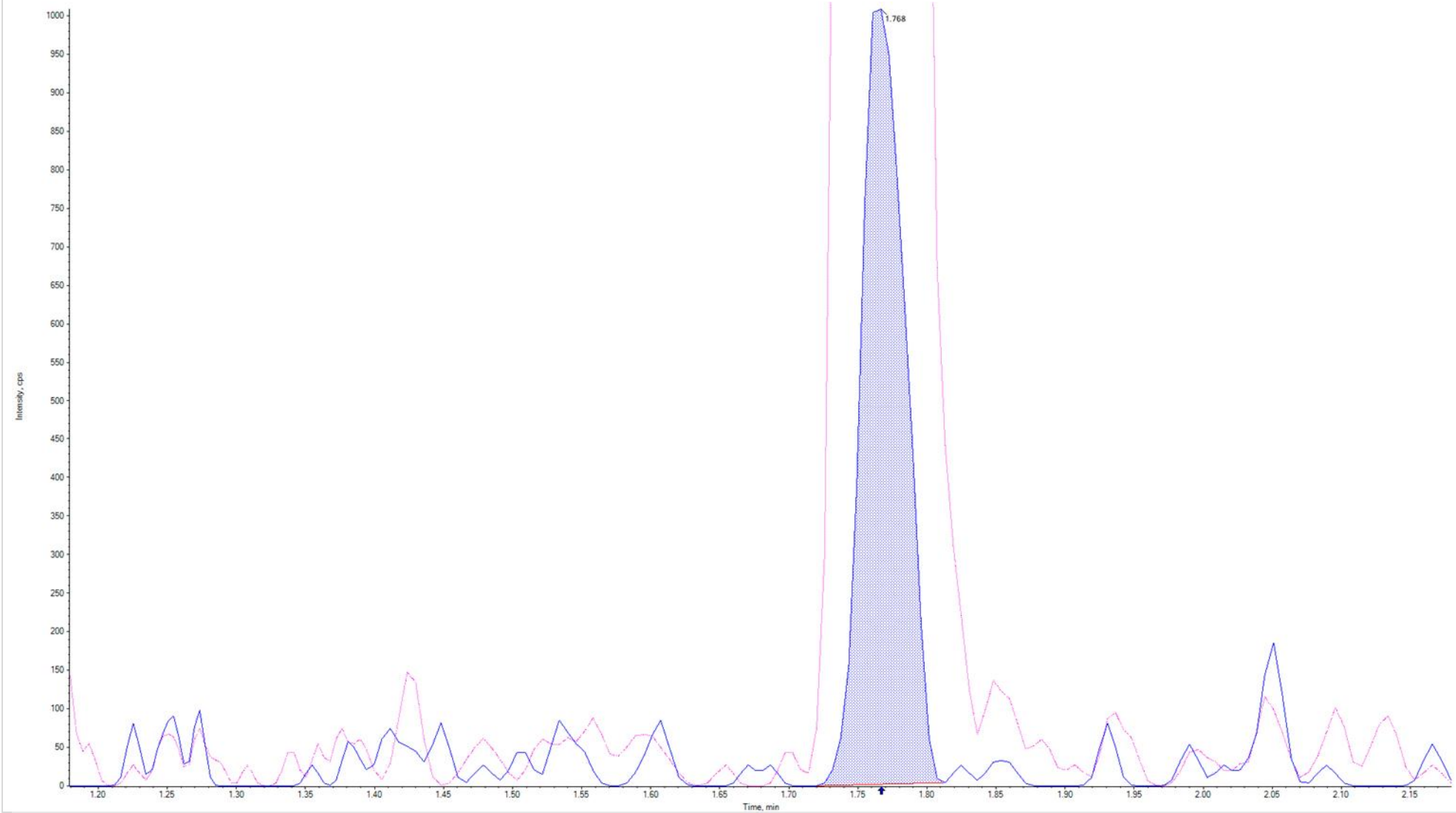
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PFDoS_2
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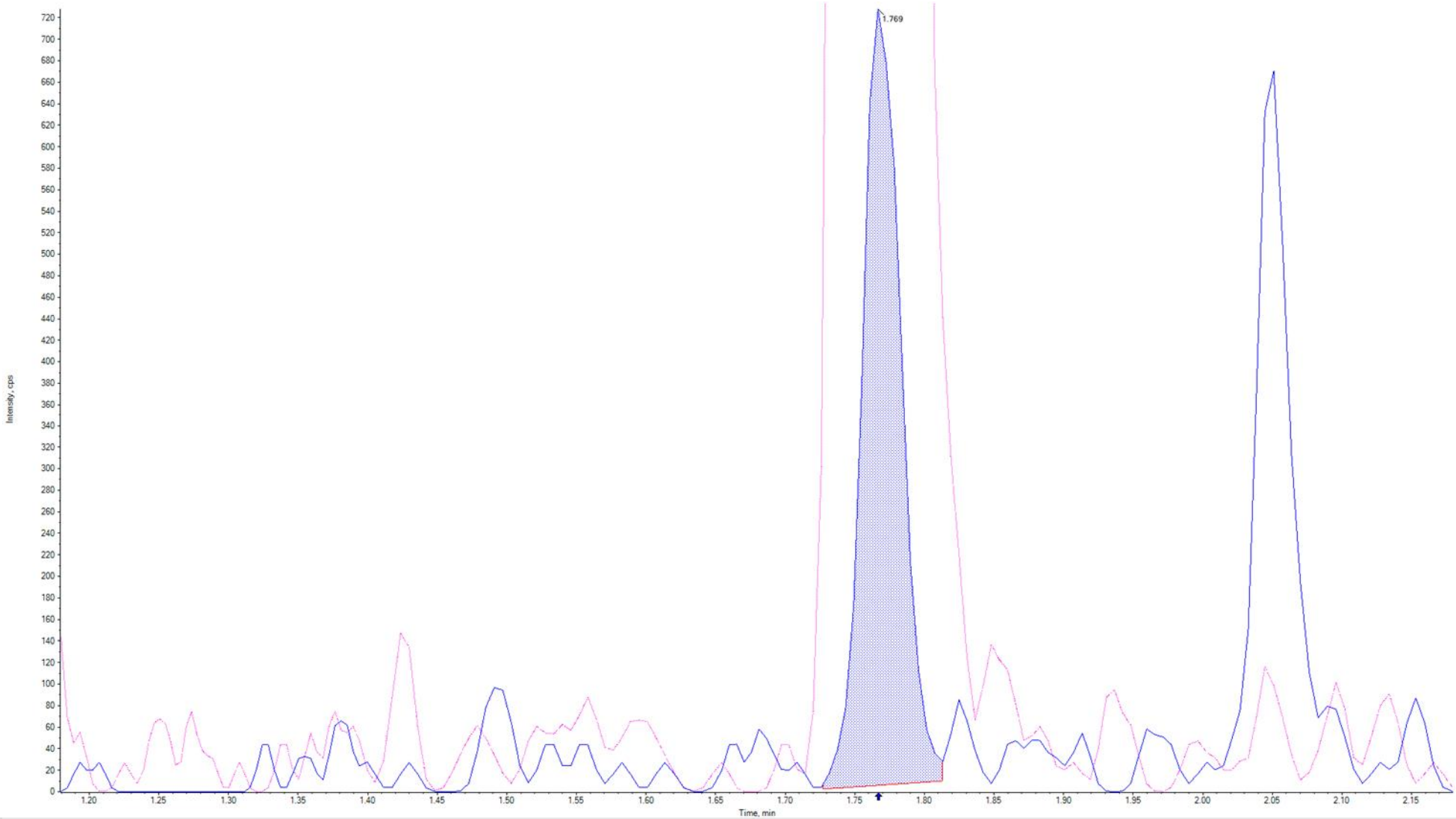
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4:2FTS
Sample: WG2009822-3,INSTBLNK S/N:37.8 Points Across peak:18



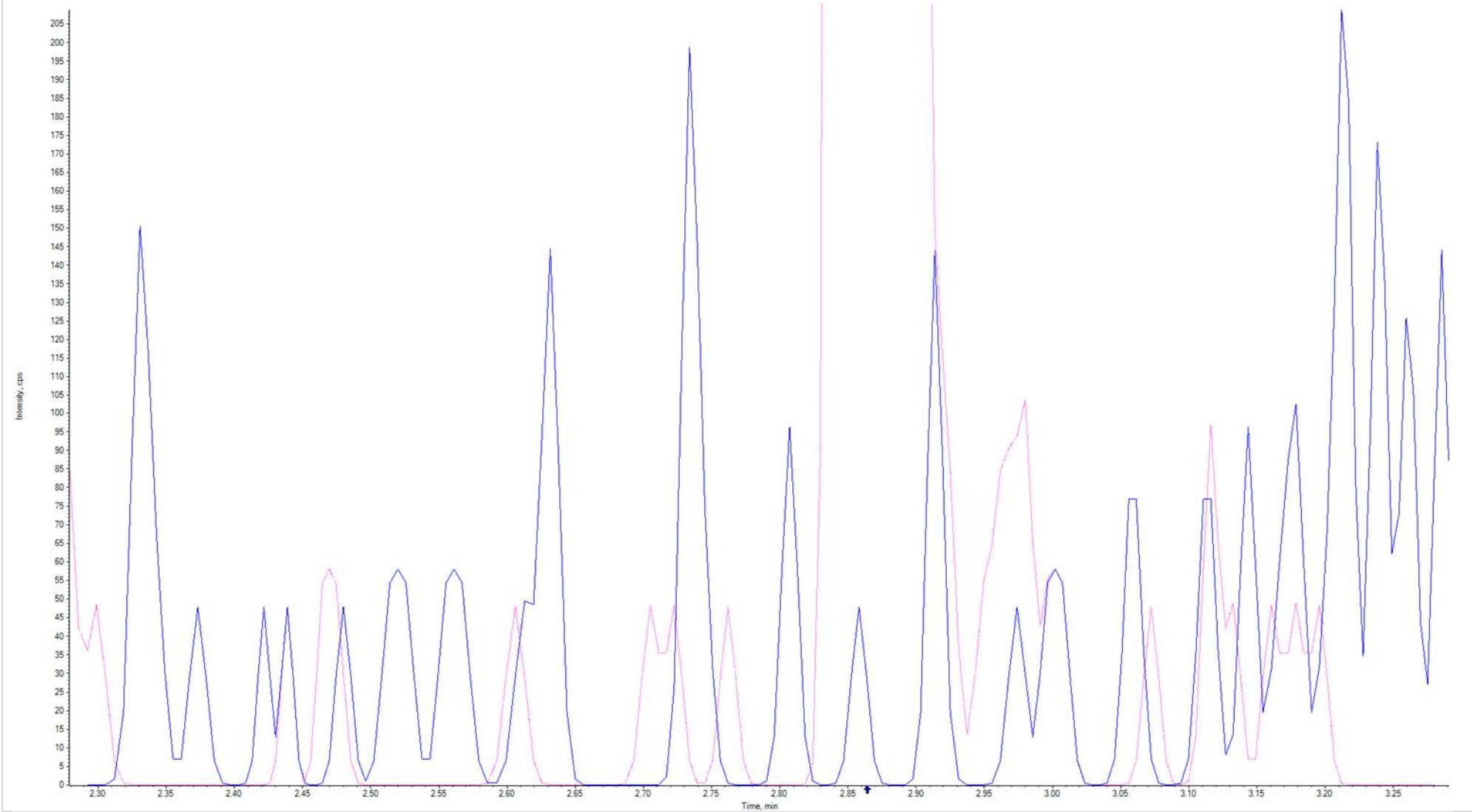
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4:2FTS_2
Sample: WG2009822-3,INSTBLNK S/N:27.1 Points Across peak:16



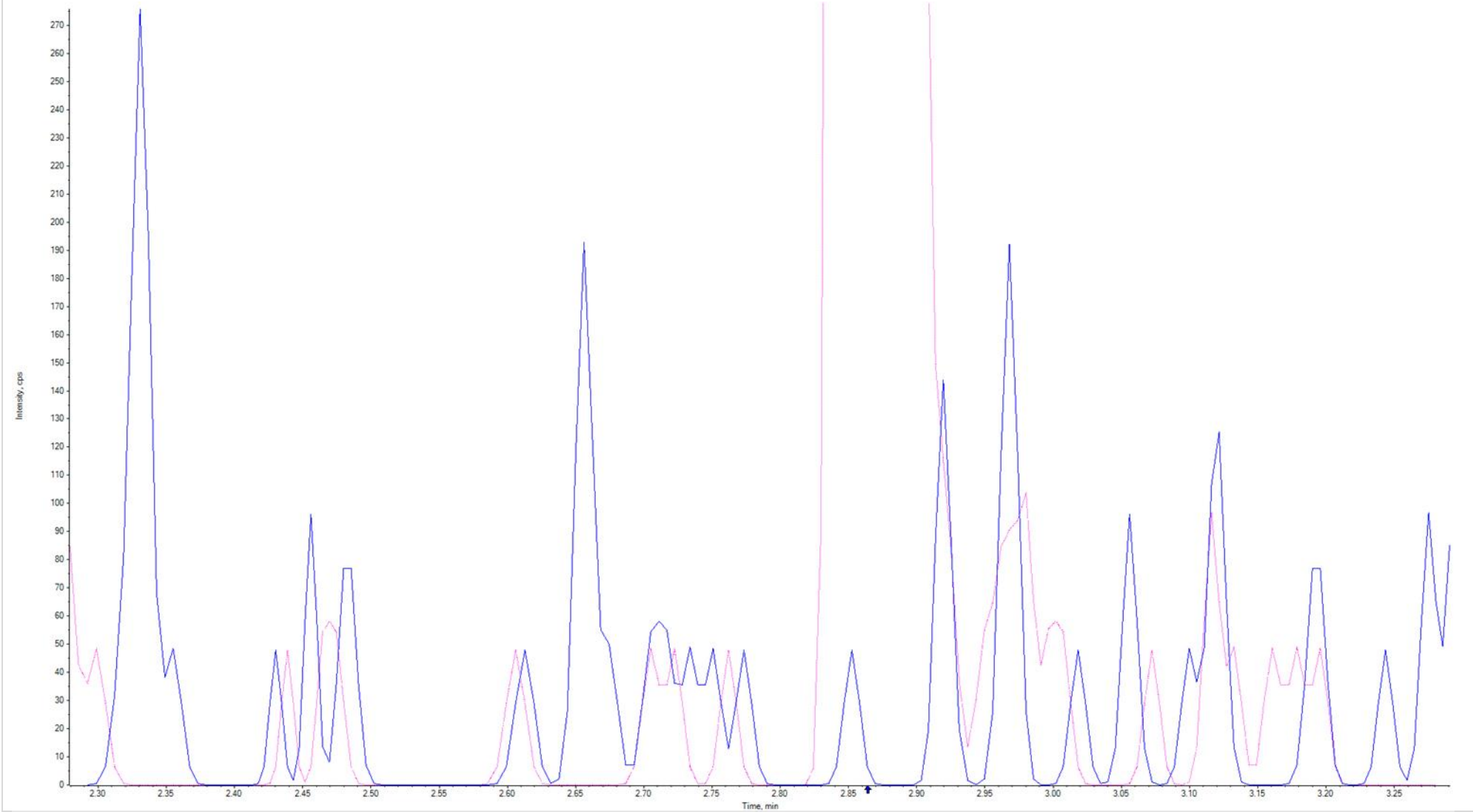
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6:2FTS
Sample: WG2009822-3,INSTBLNK S/N:N/A Points Across peak:N/A



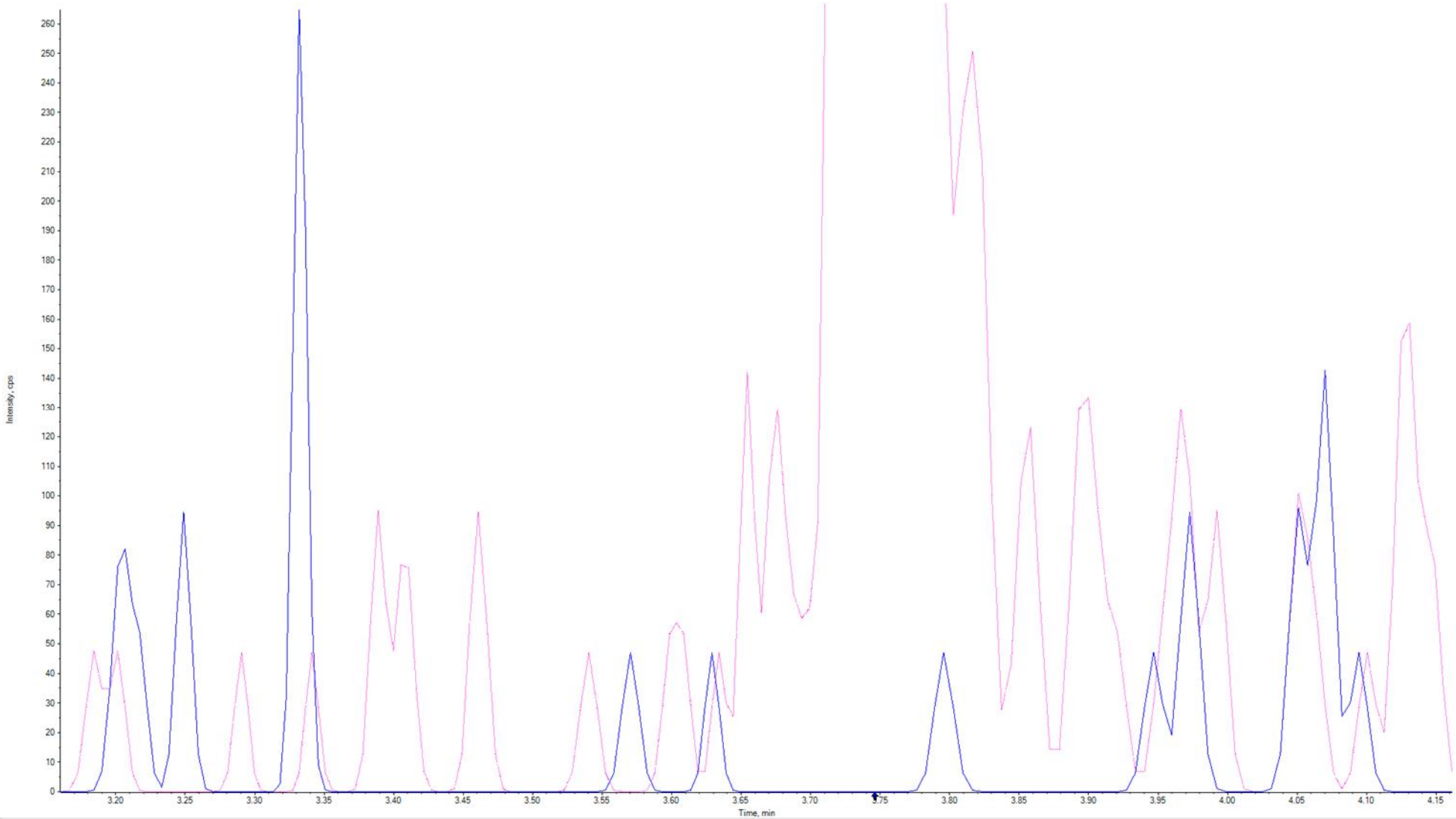
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6:2FTS_2
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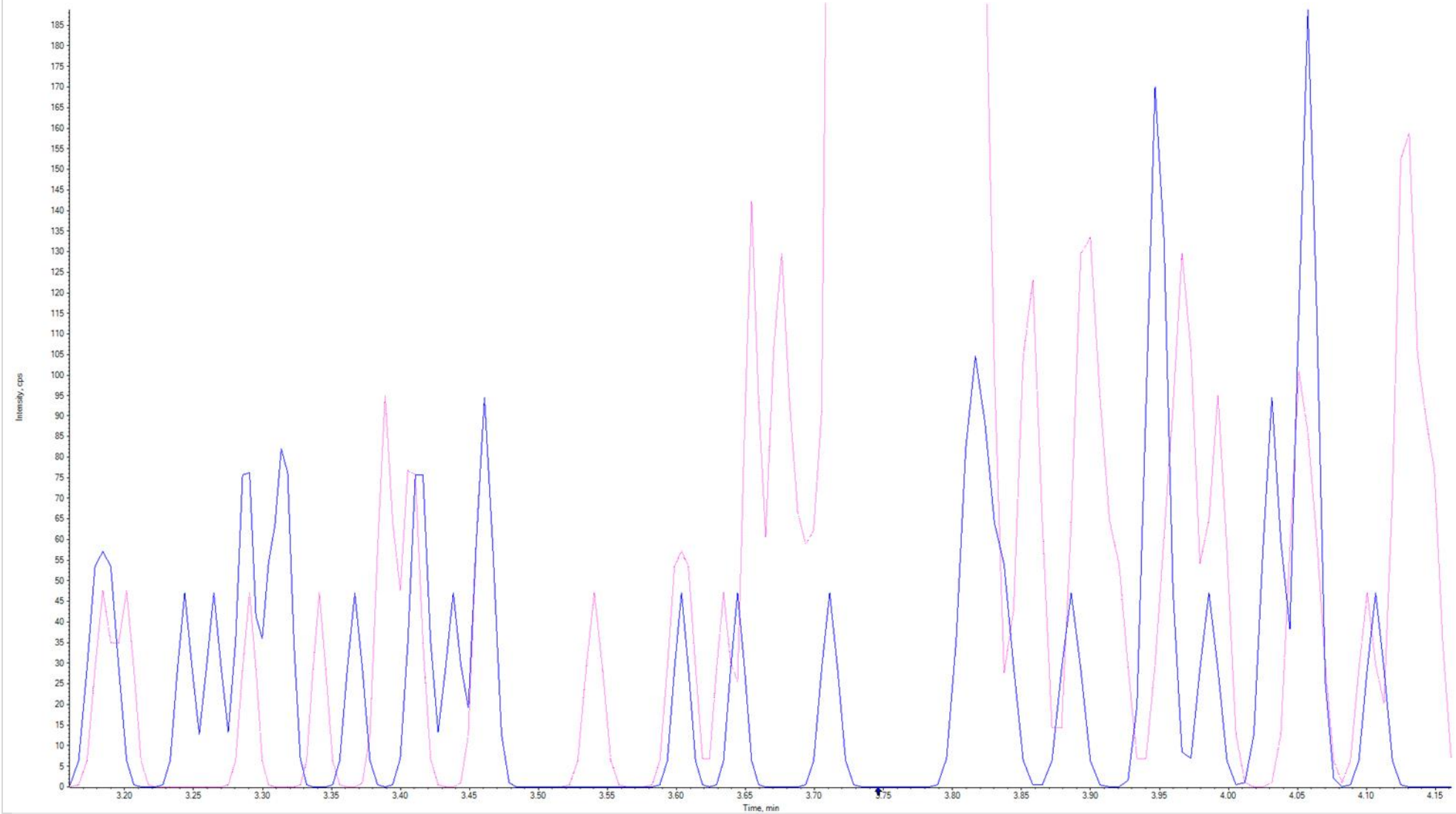
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8:2FTS
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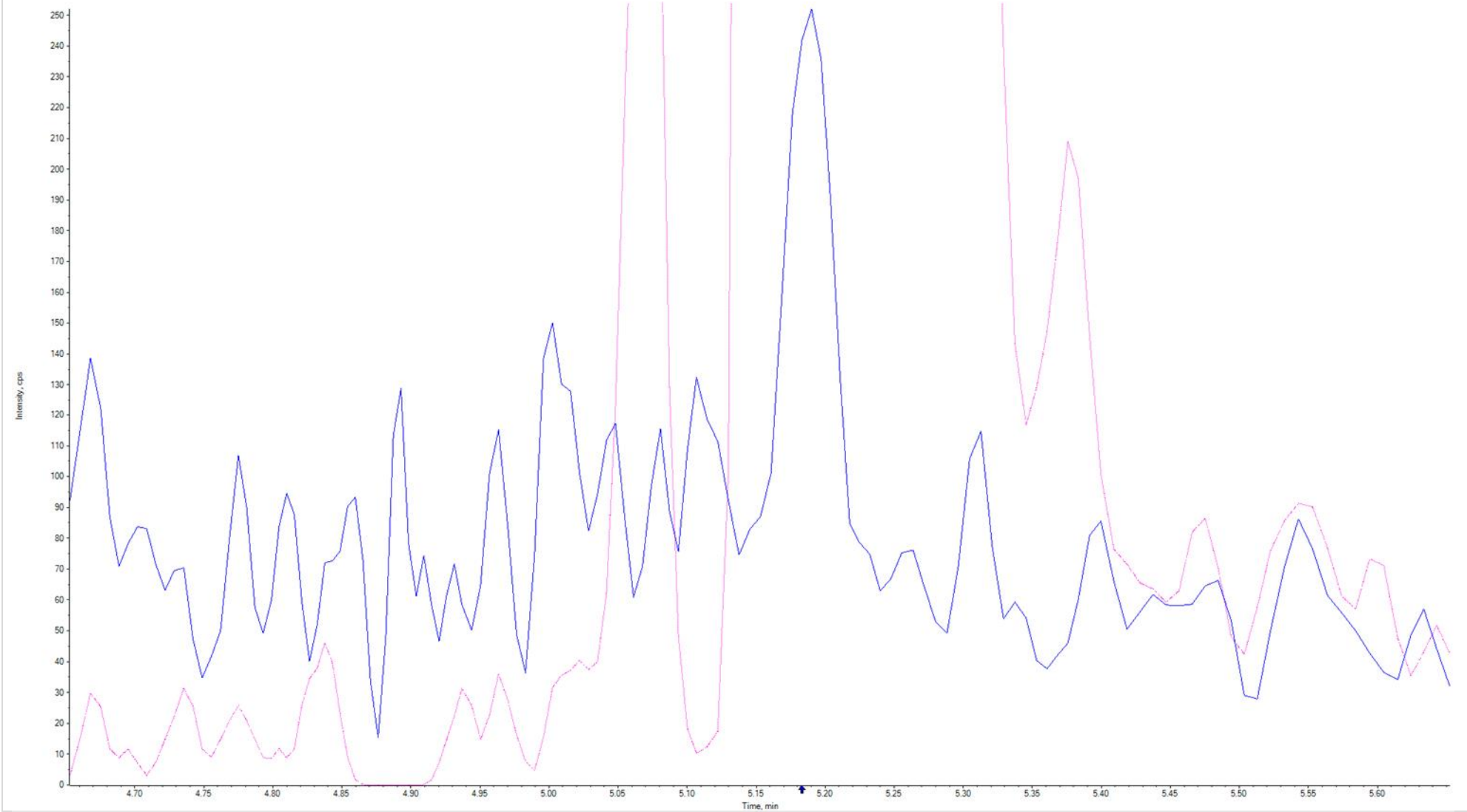
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8:2FTS_2
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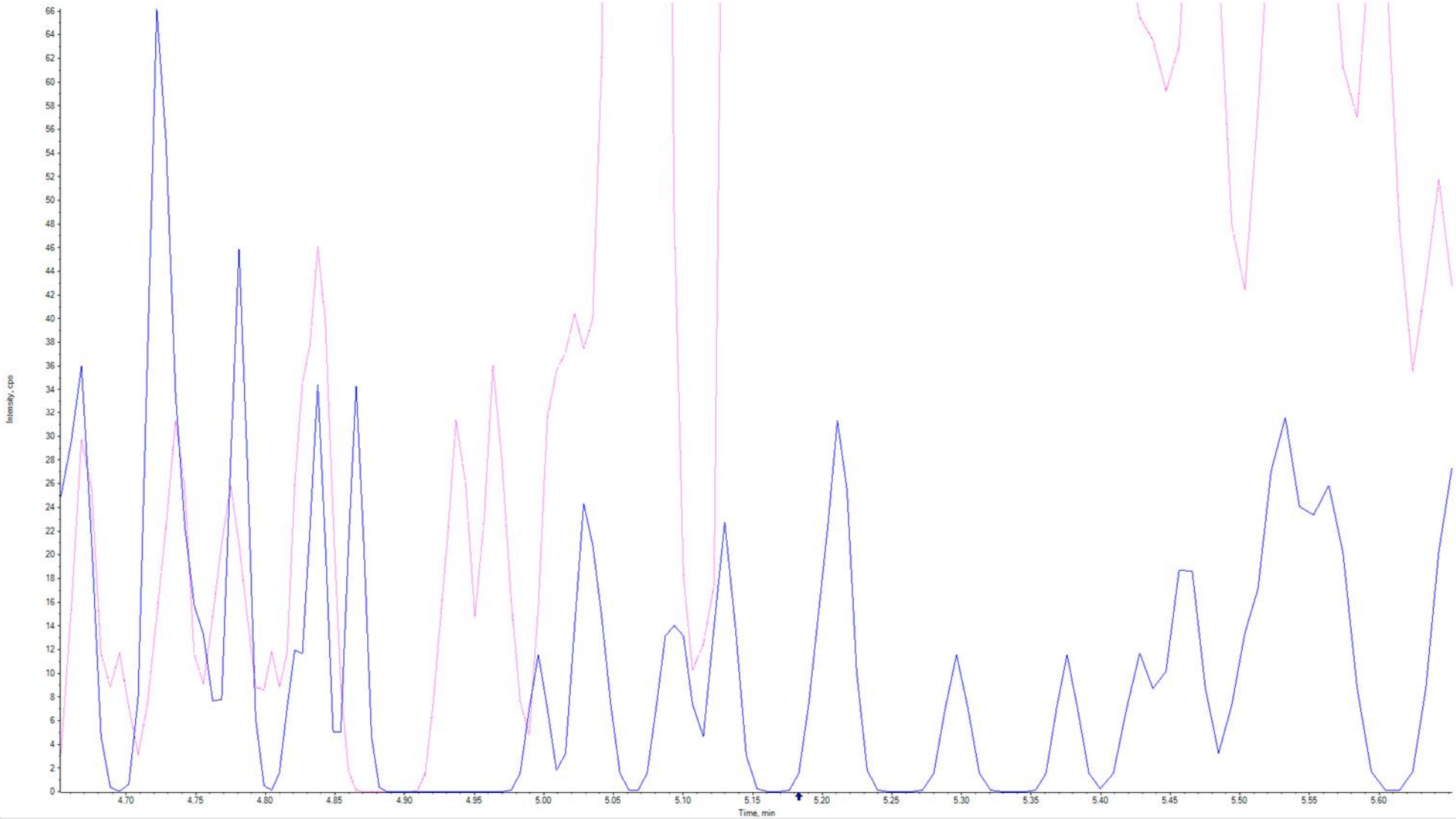
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PFOSA
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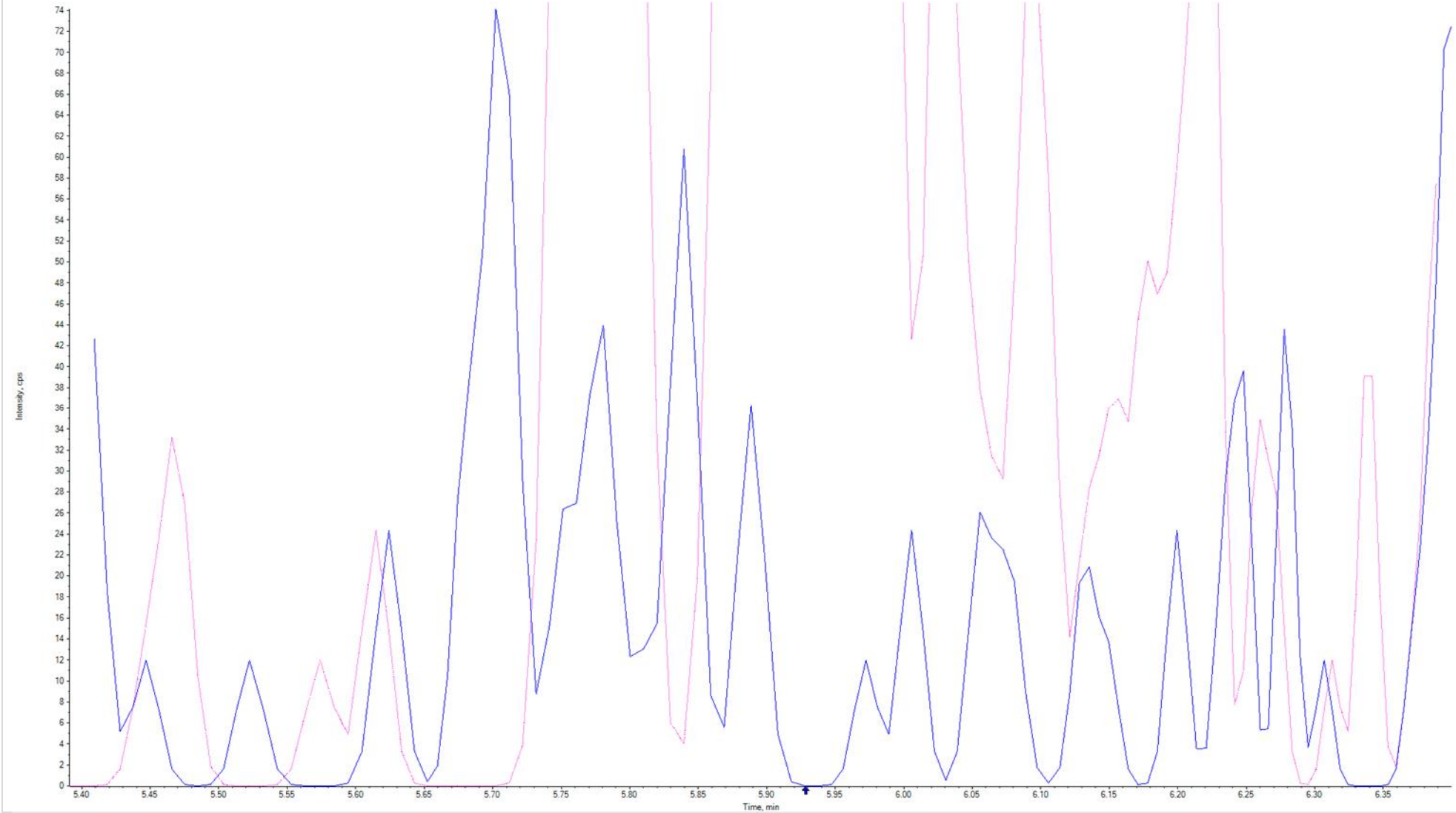


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PFOSA_2
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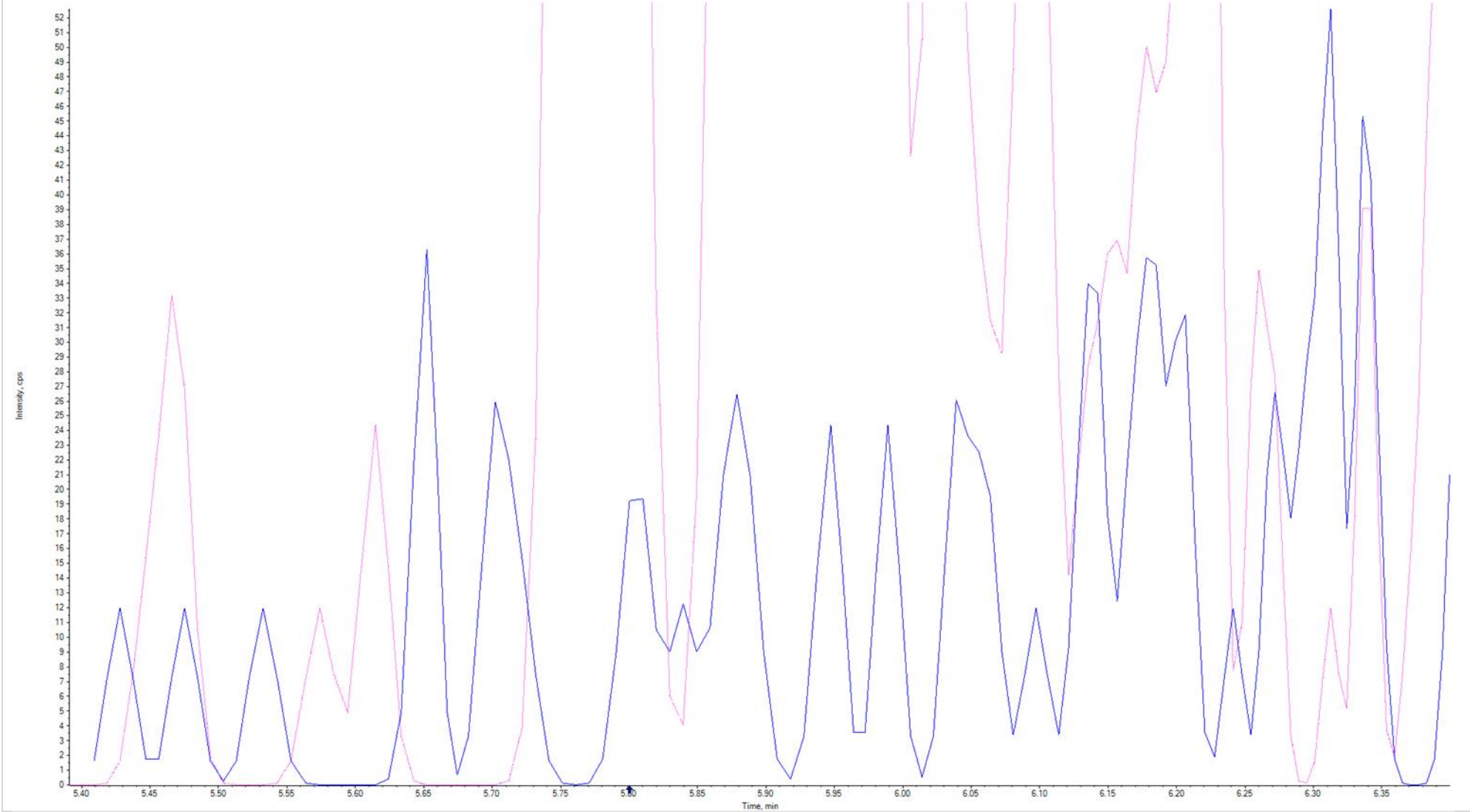


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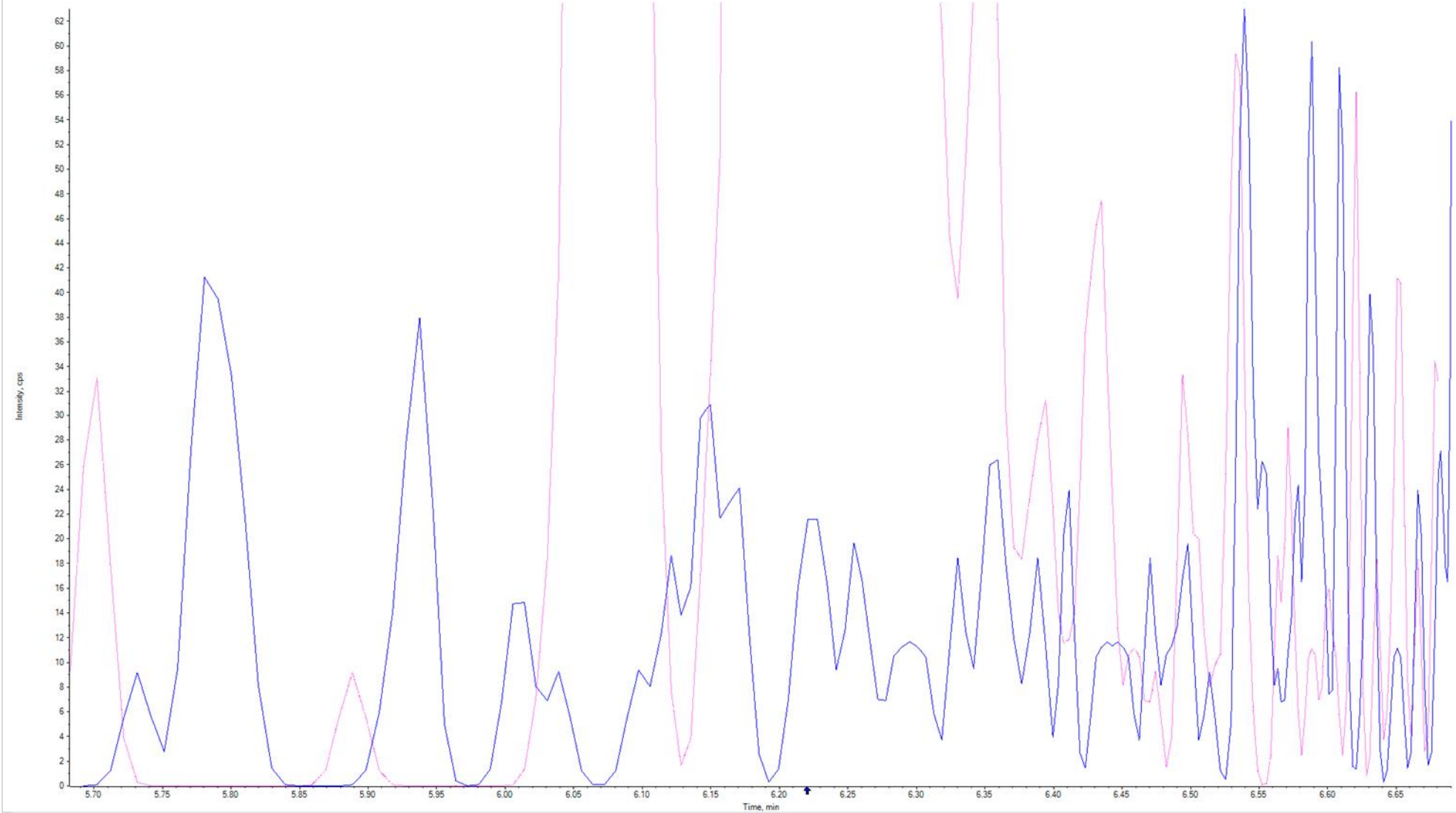


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NMeFOSA_2
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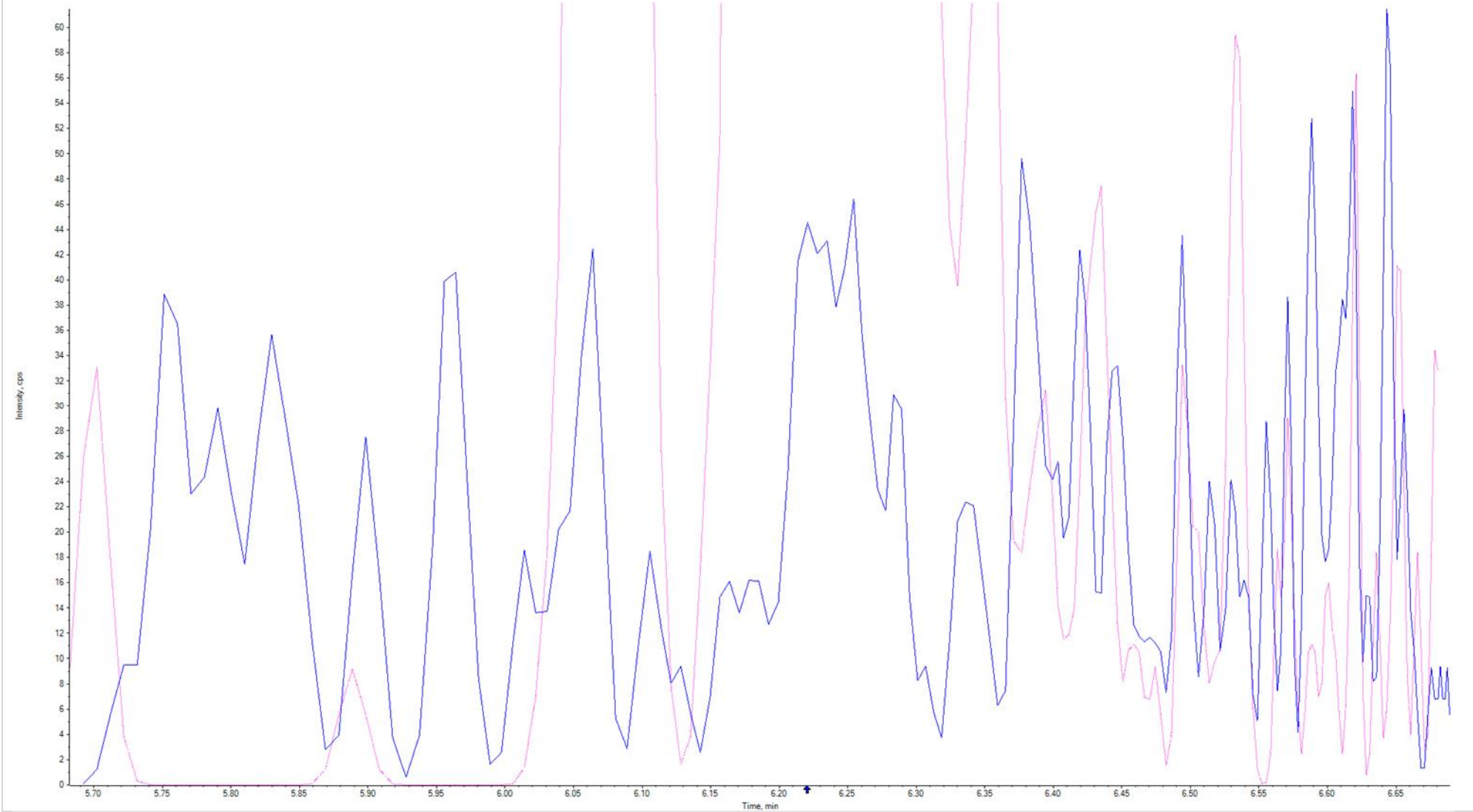


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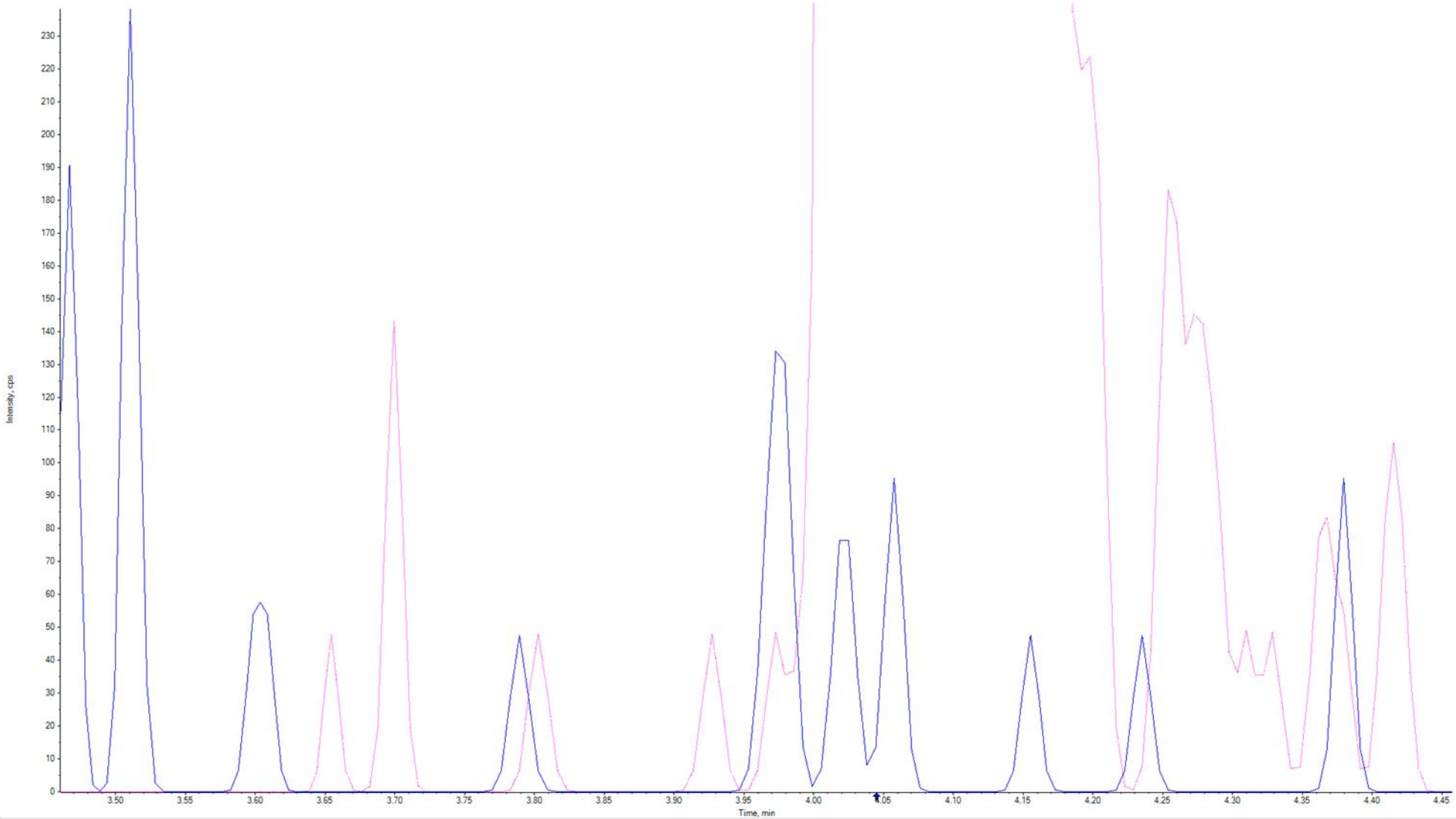
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NEtFOSA_2
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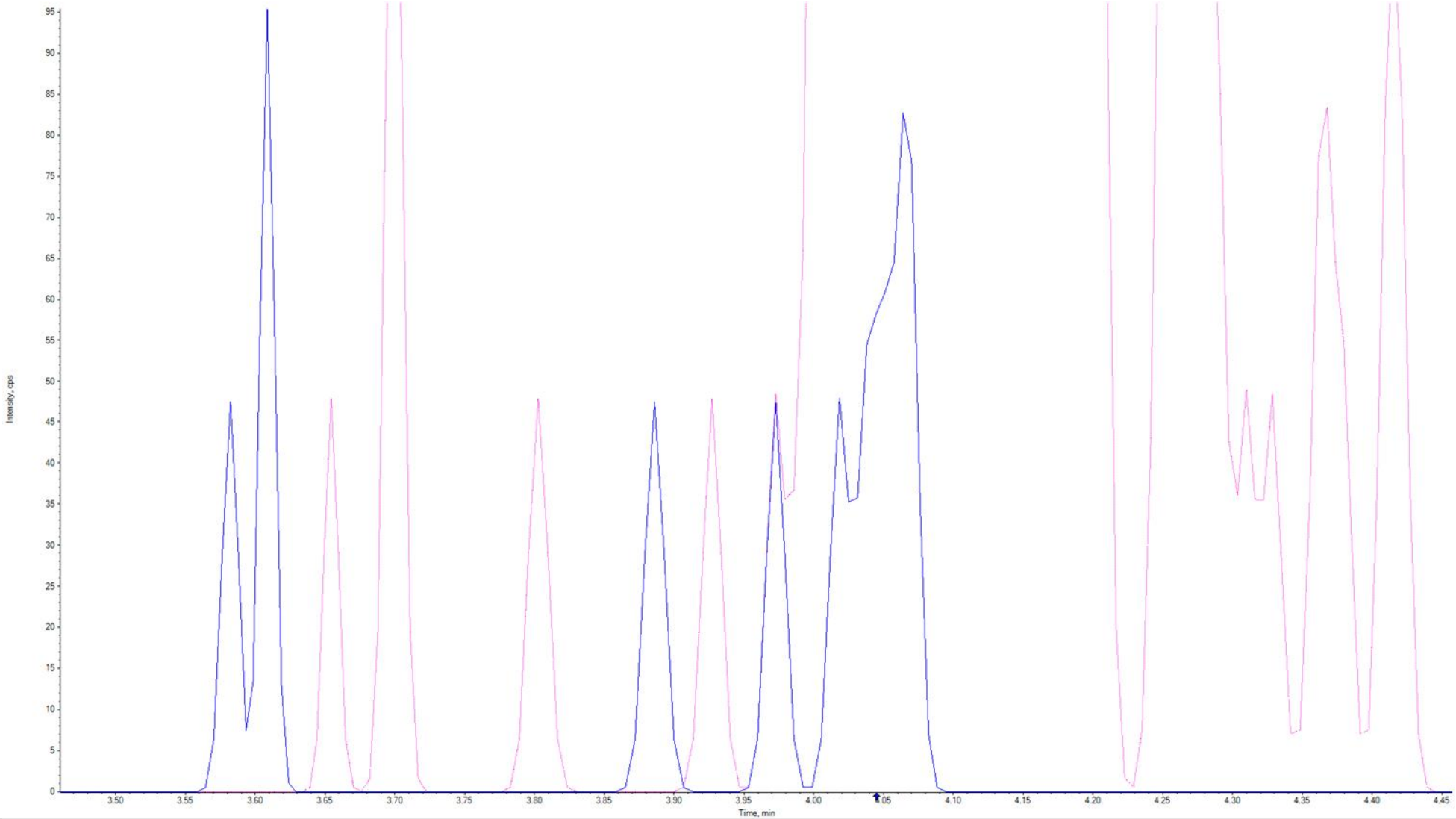
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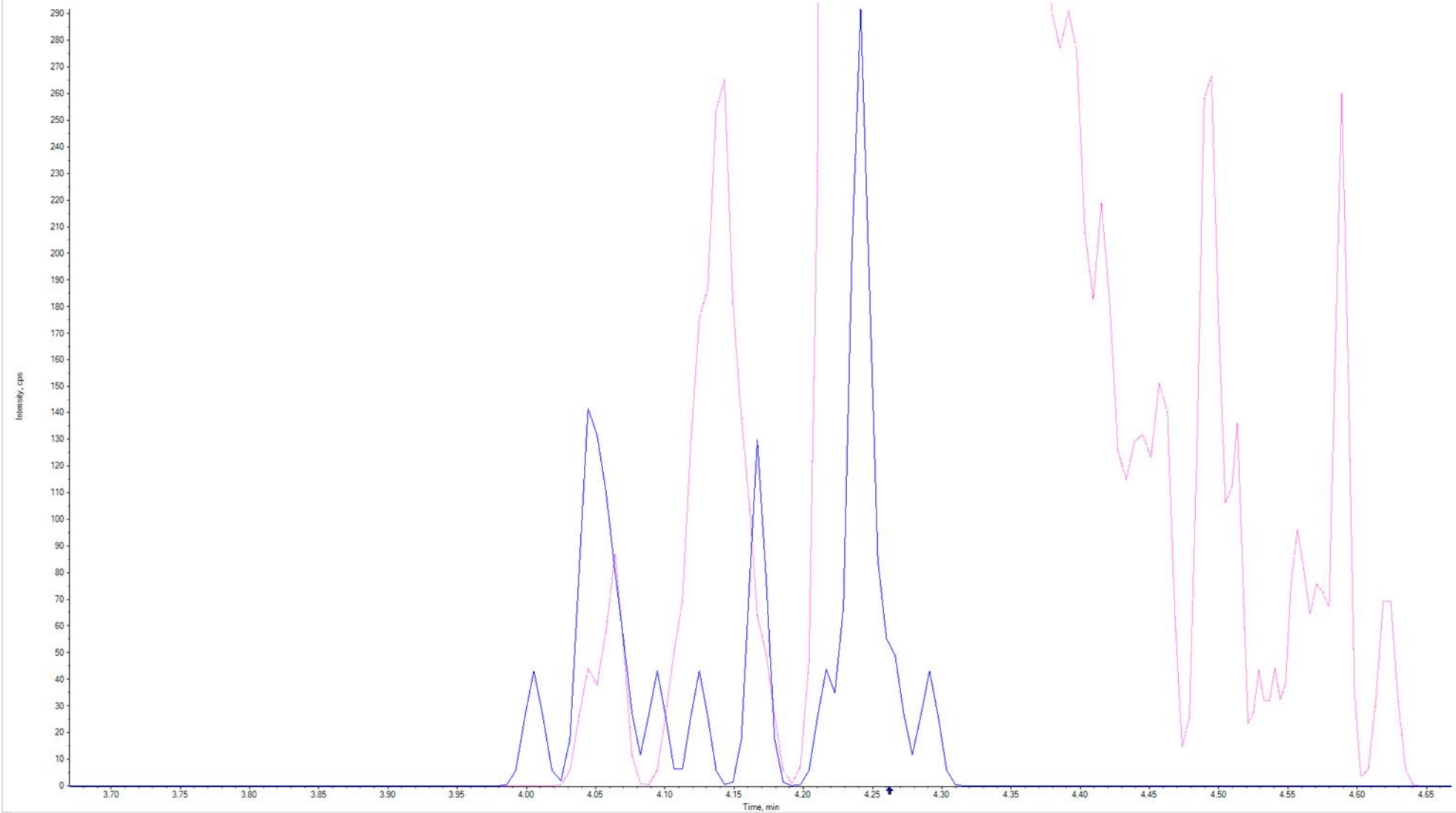


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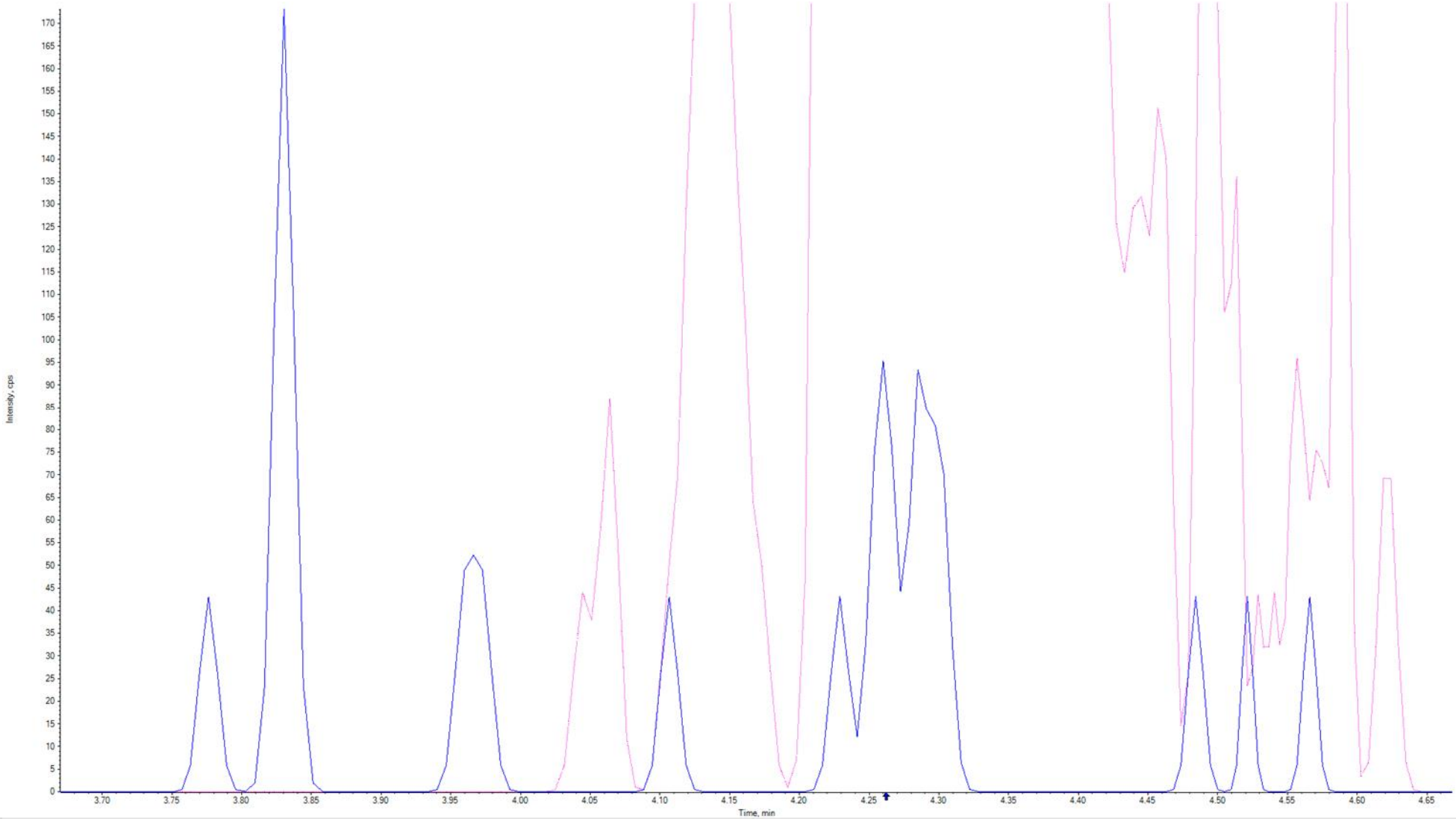


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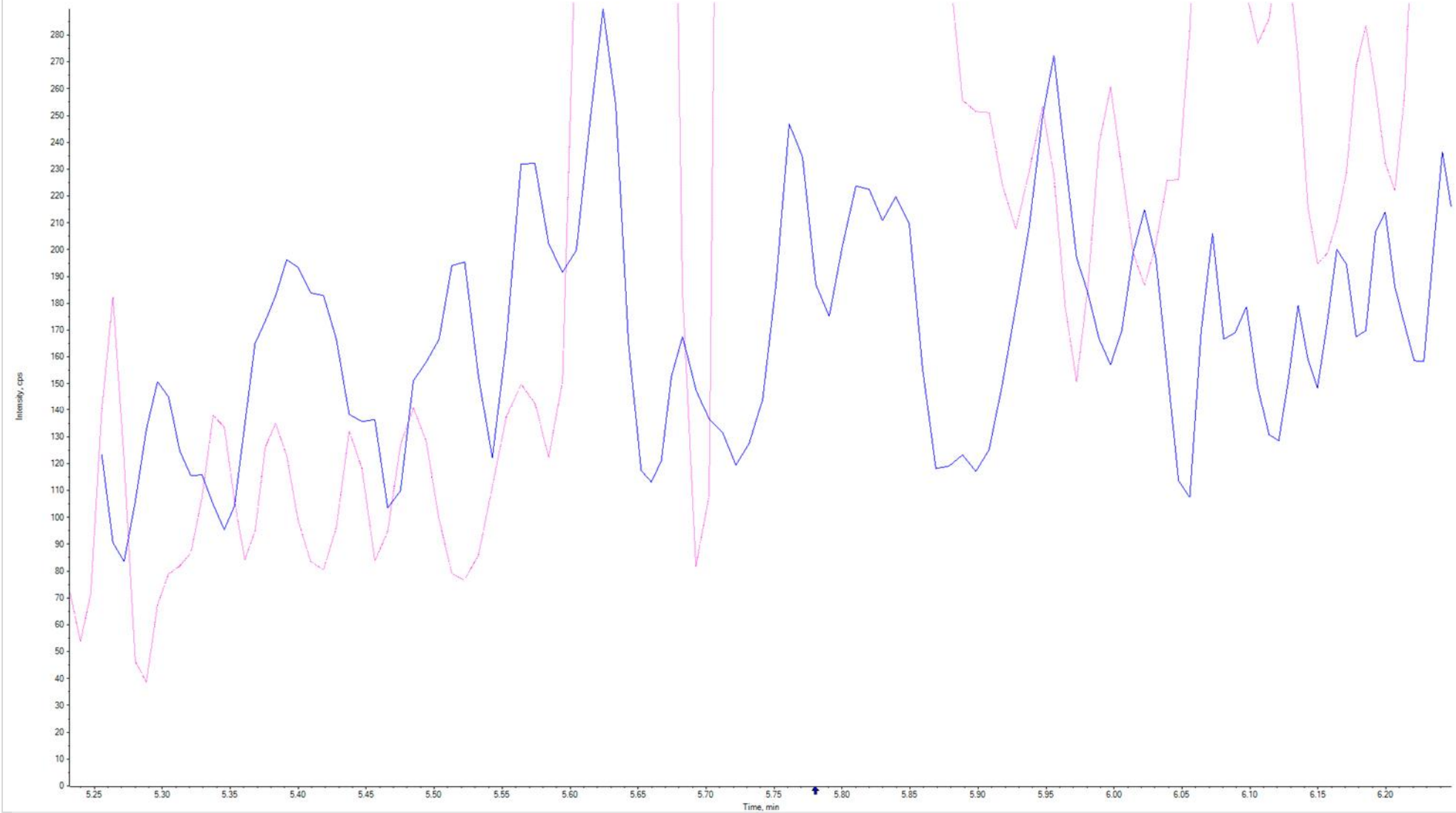


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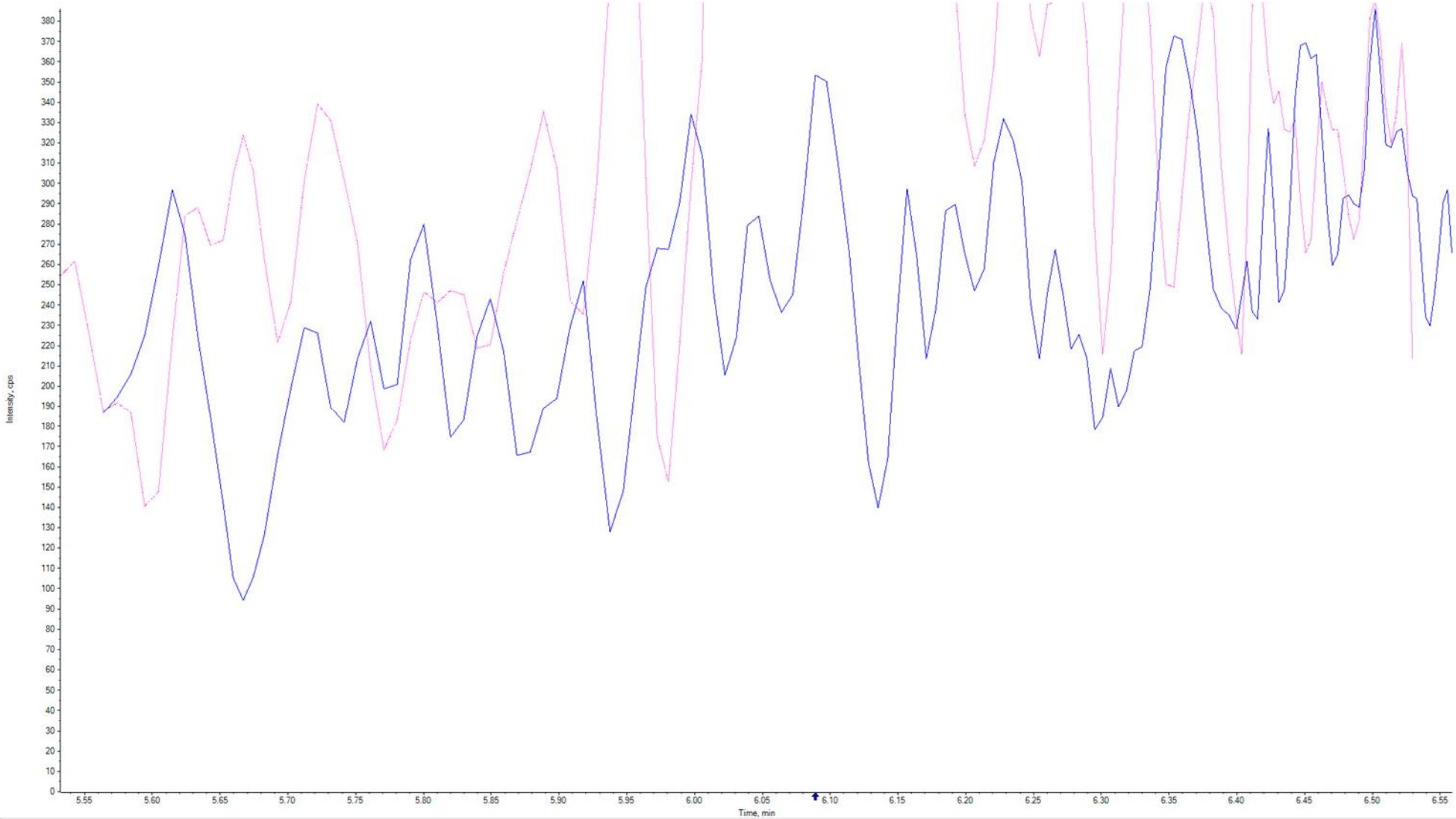
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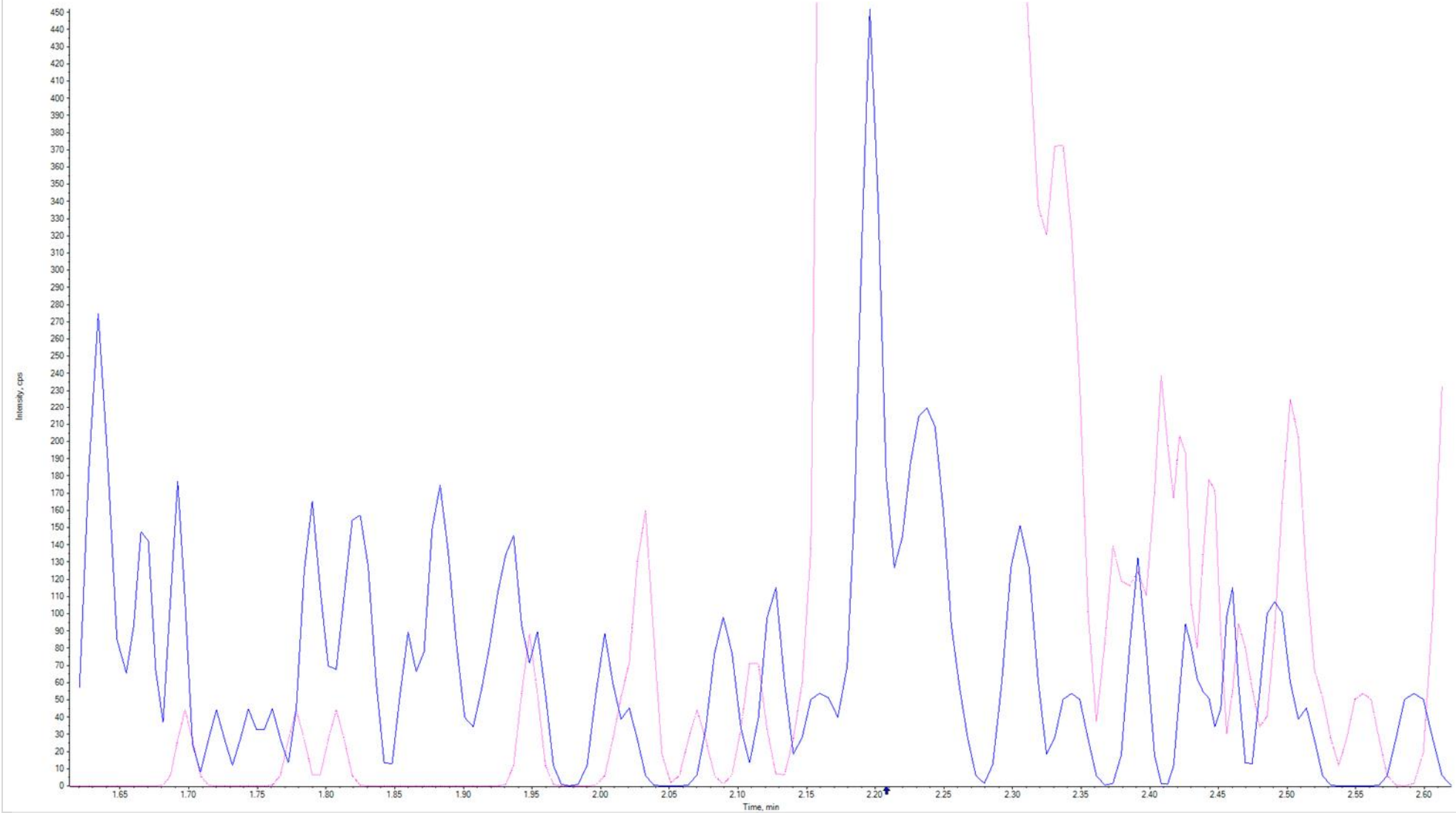


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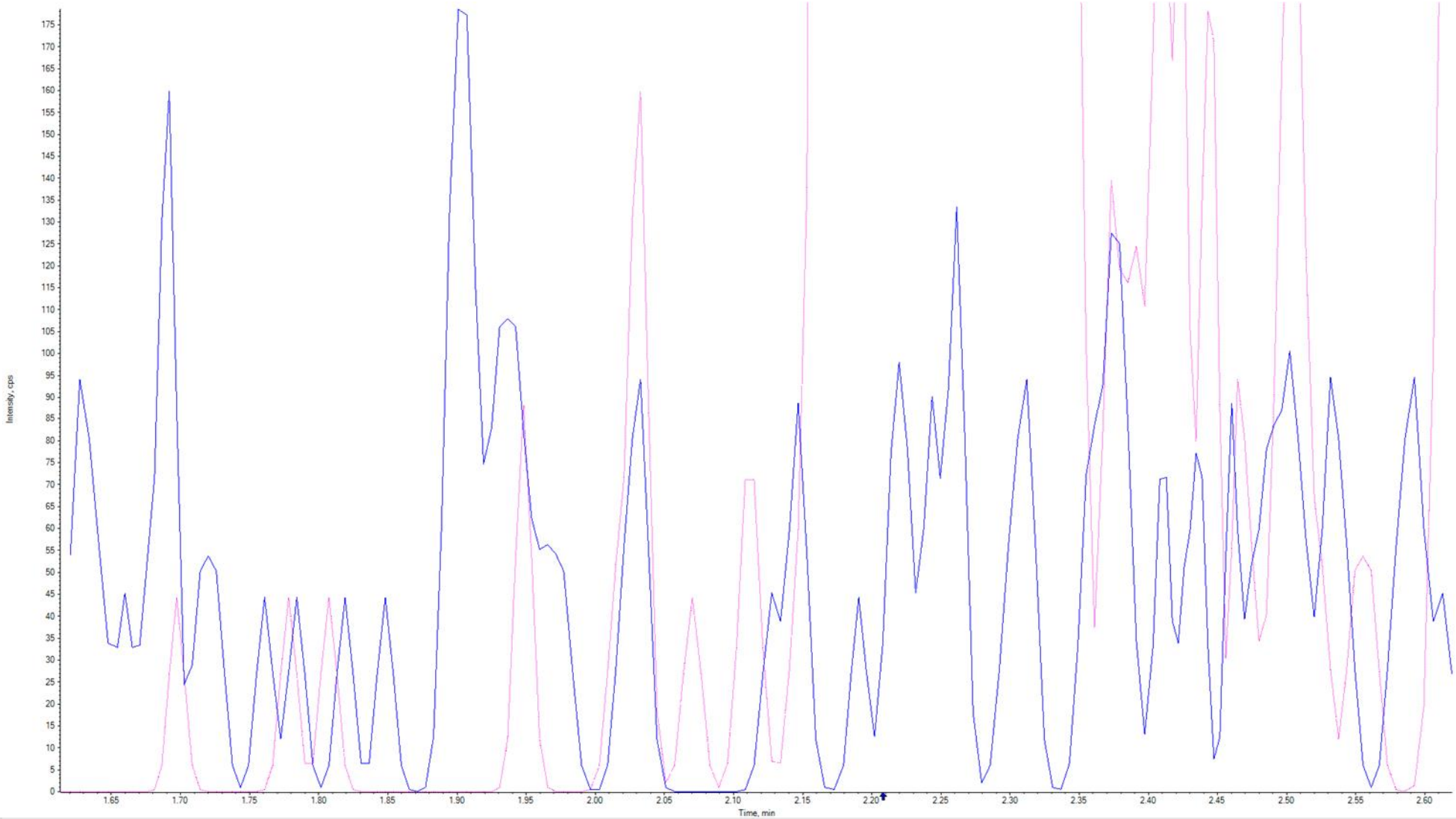


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HFPO-DA
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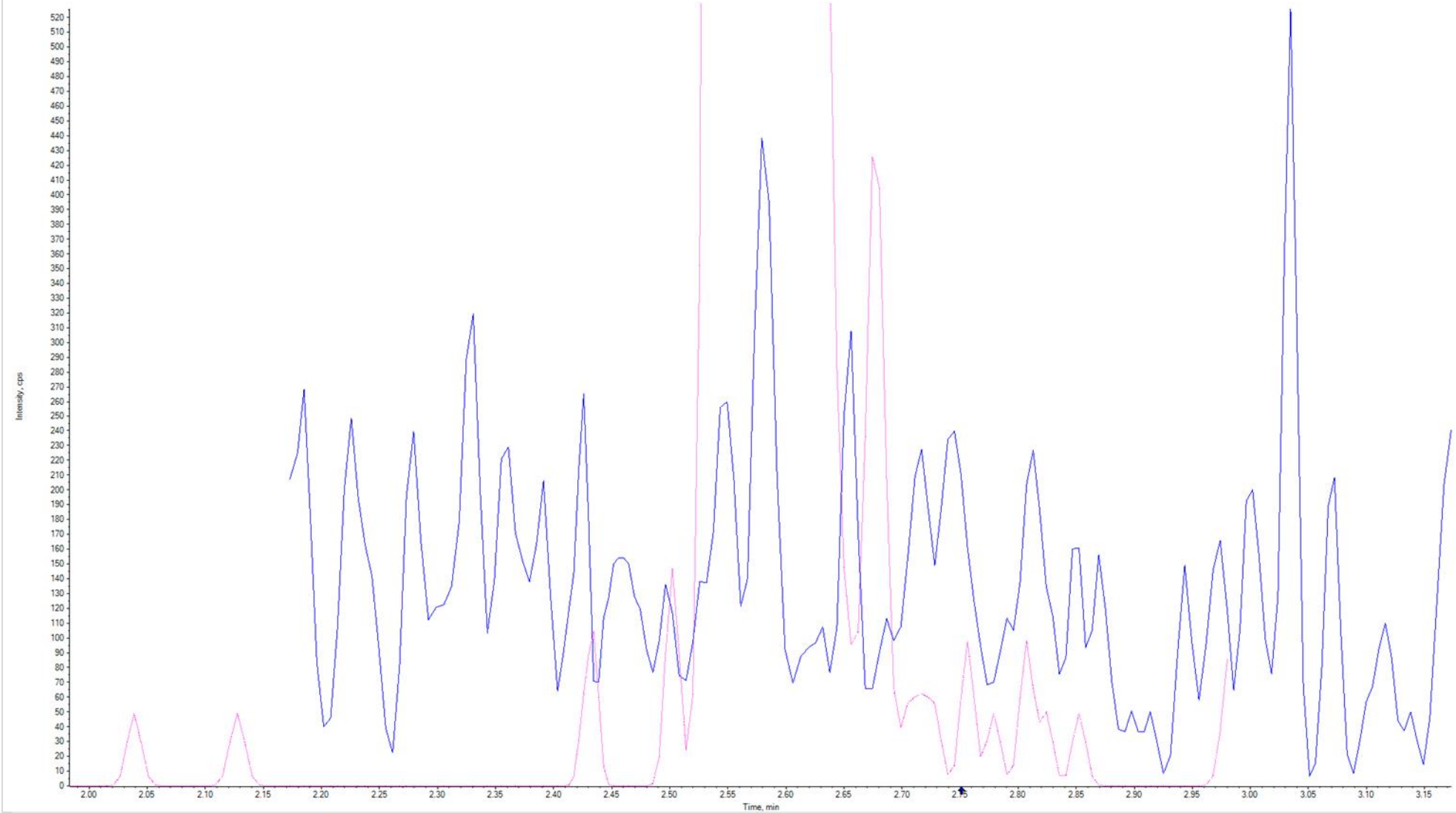


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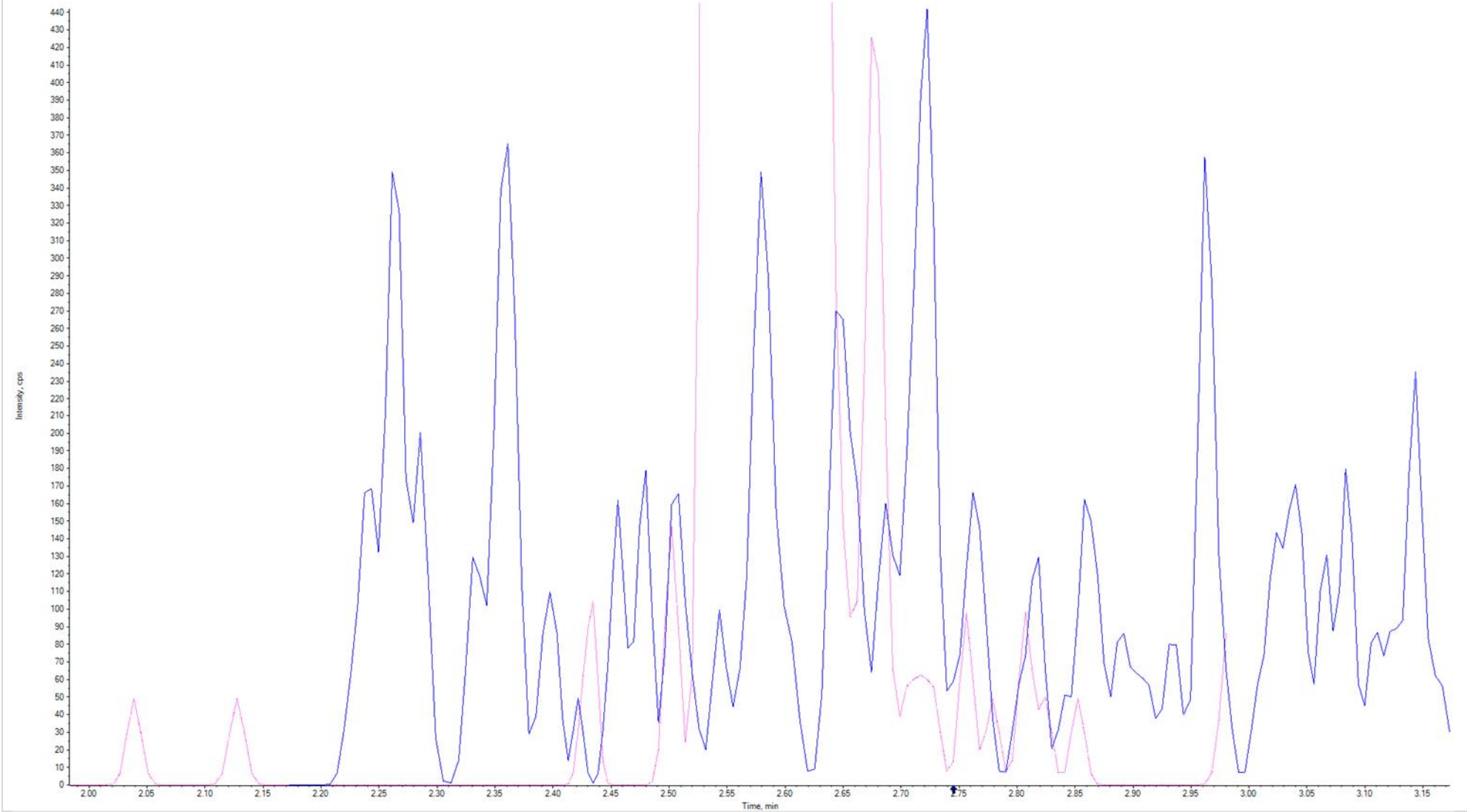
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ADONA
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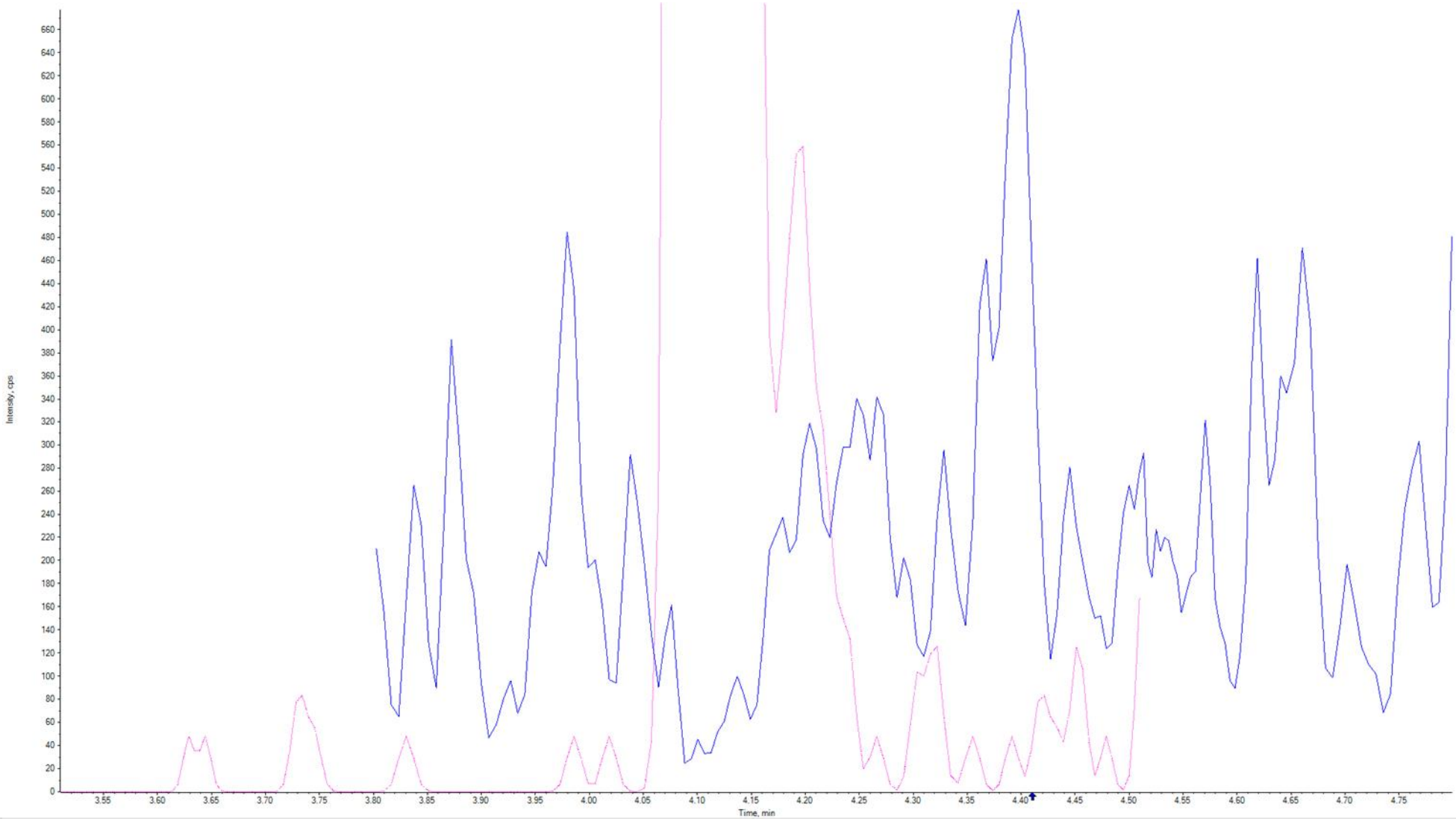


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ADONA_2
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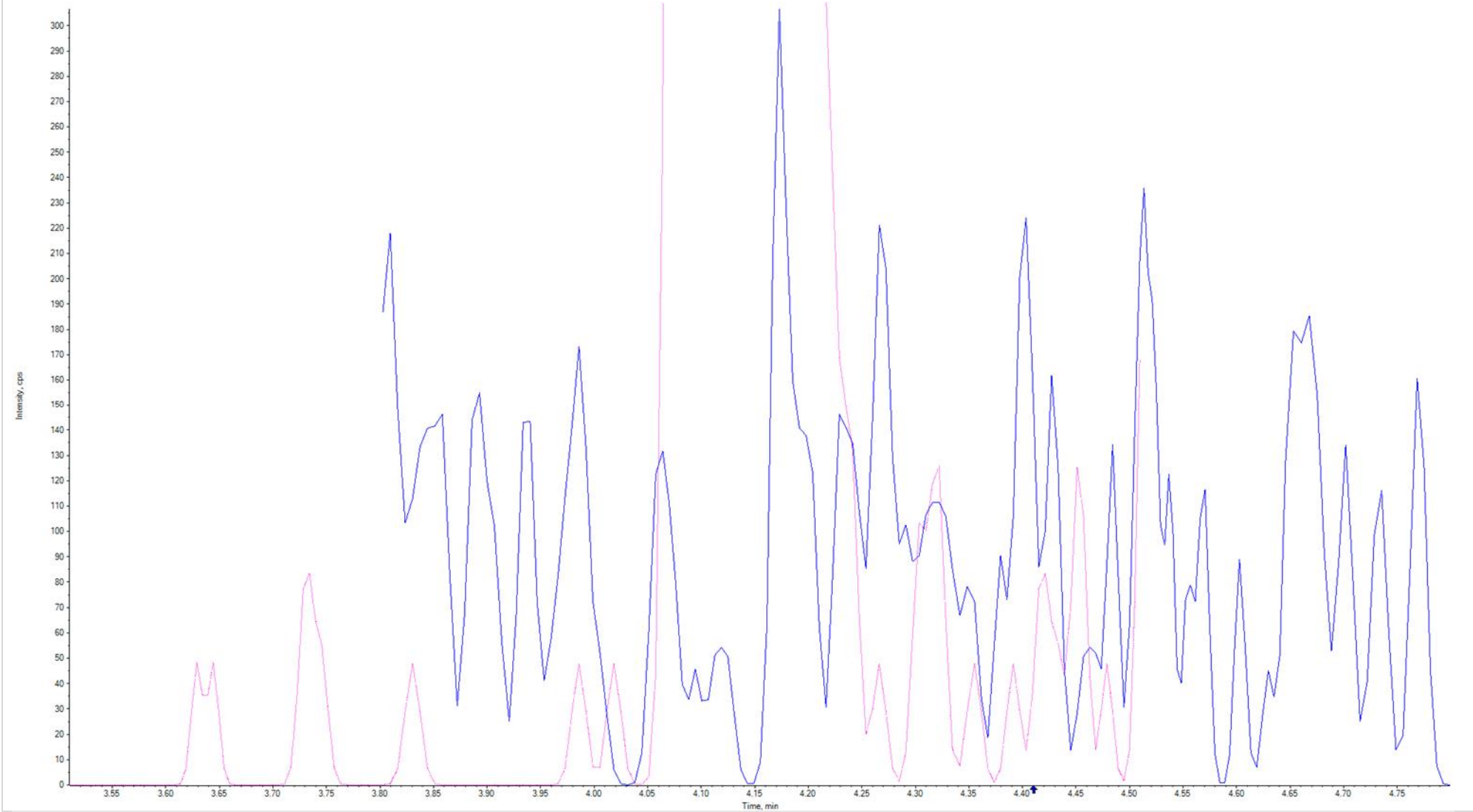


9Cl-PF3ONS
Sample: WG2009822-3,INSTBLNK S/N:N/A Points Across peak:N/A



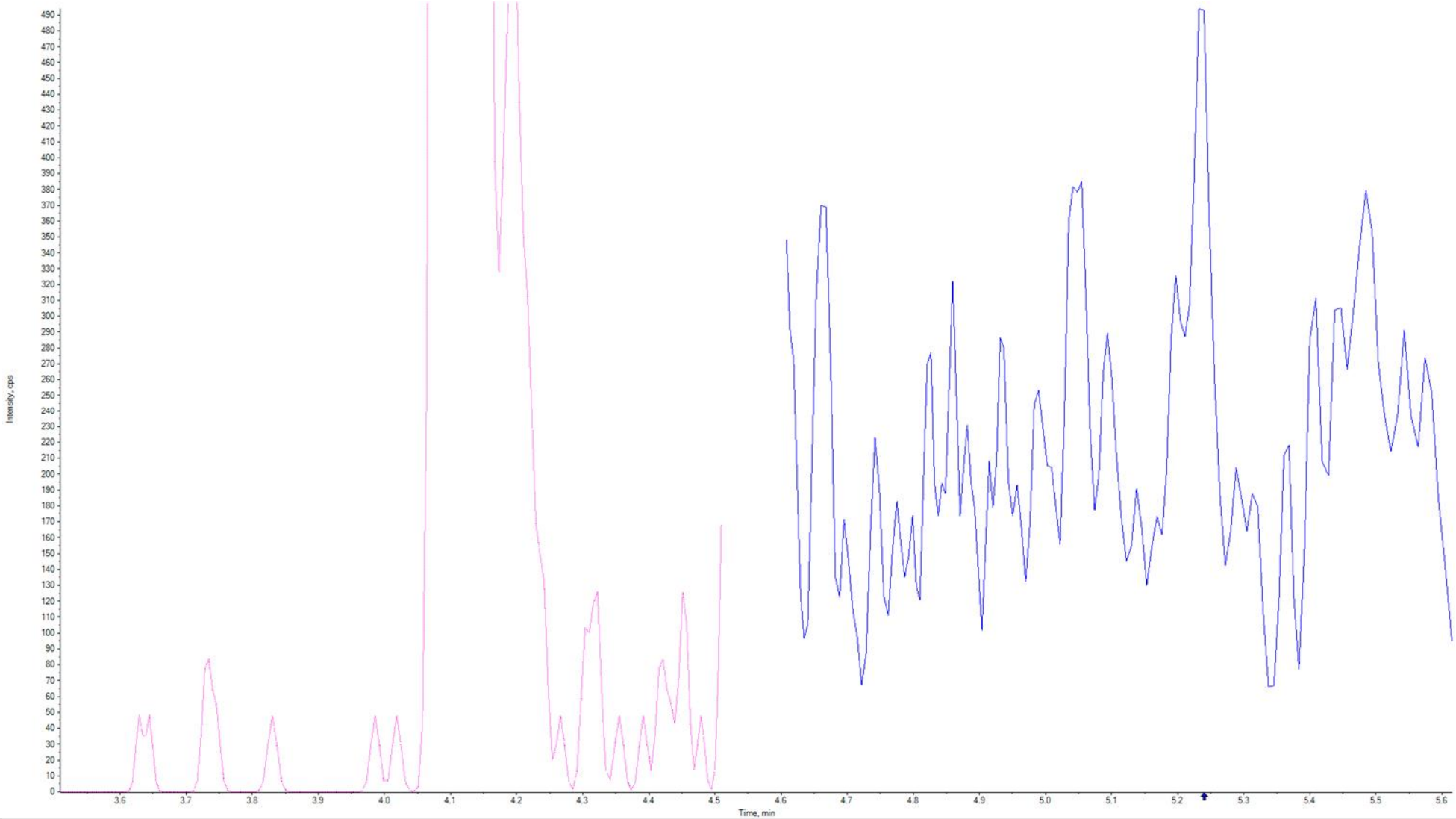
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9Cl-PF3ONS_2
Sample: WG2009822-3,INSTBLNK S/N:N/A Points Across peak:N/A



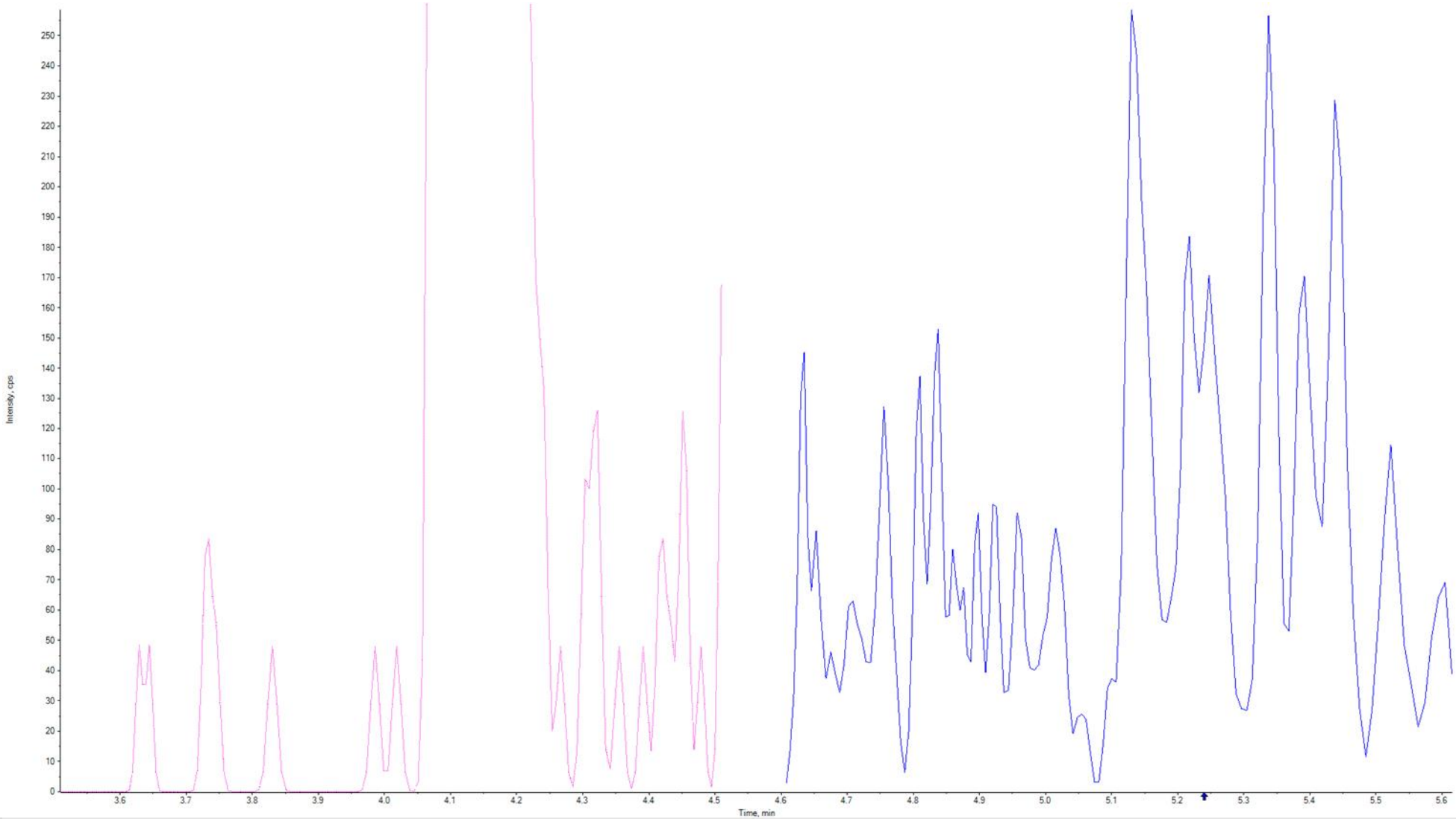
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11Cl-PF3OUdS
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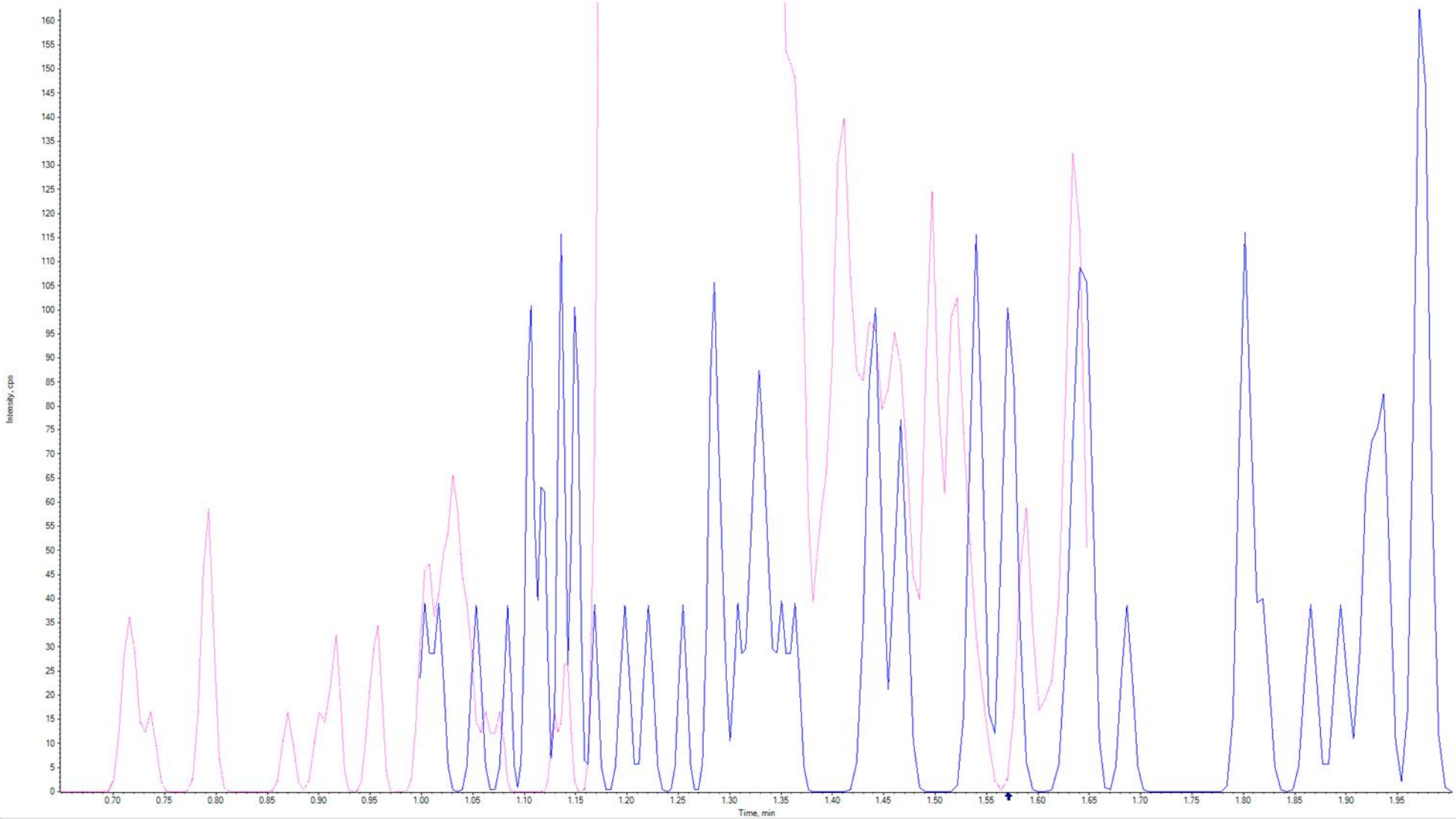


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Alpha Analytical LLC
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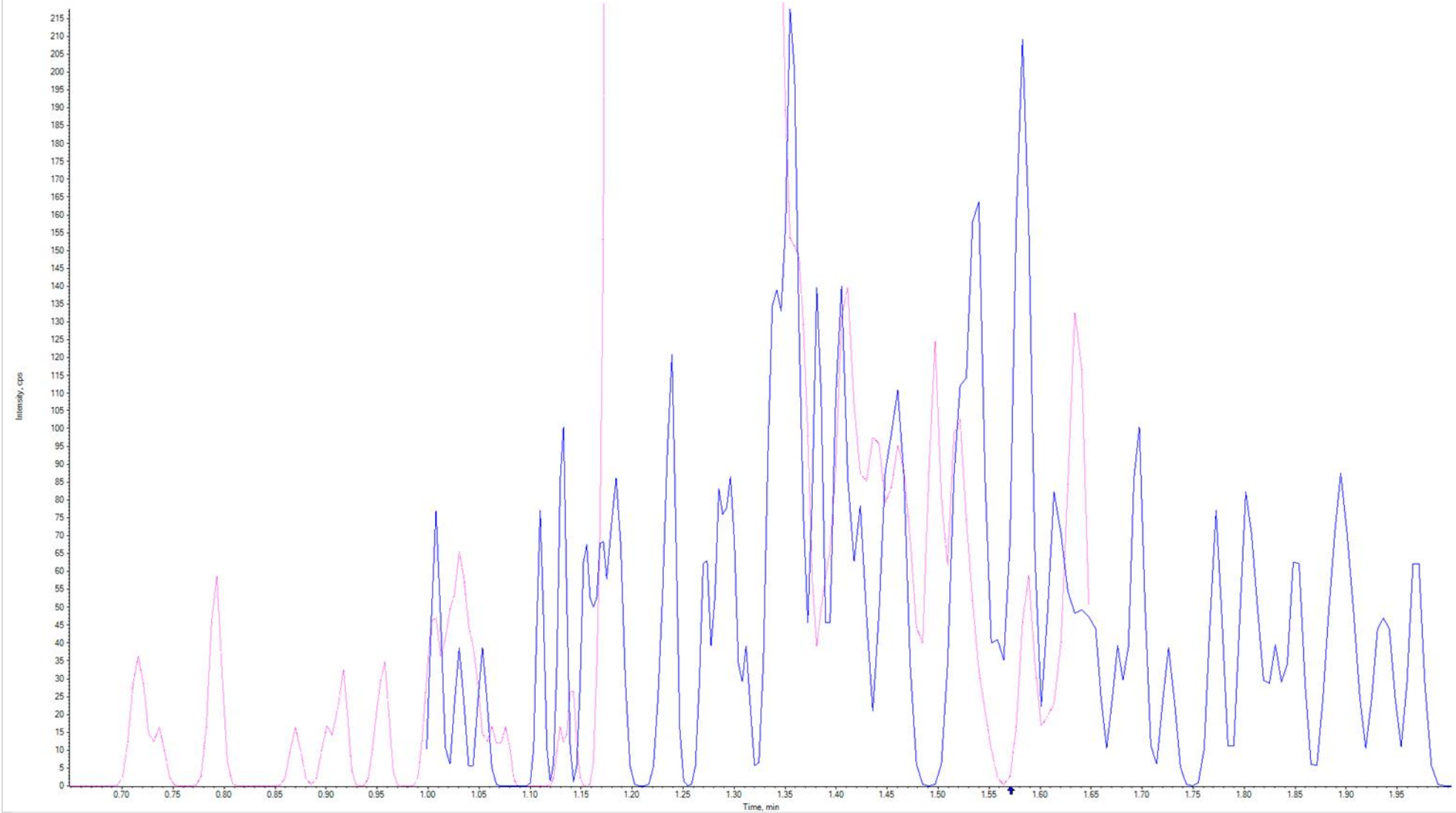
11Cl-PF3OUdS_2
Sample: WG2009822-3,INSTBLNK S/N:N/A Points Across peak:N/A



3:3FTCA
Sample: WG2009822-3,INSTBLNK S/N:N/A Points Across peak:N/A

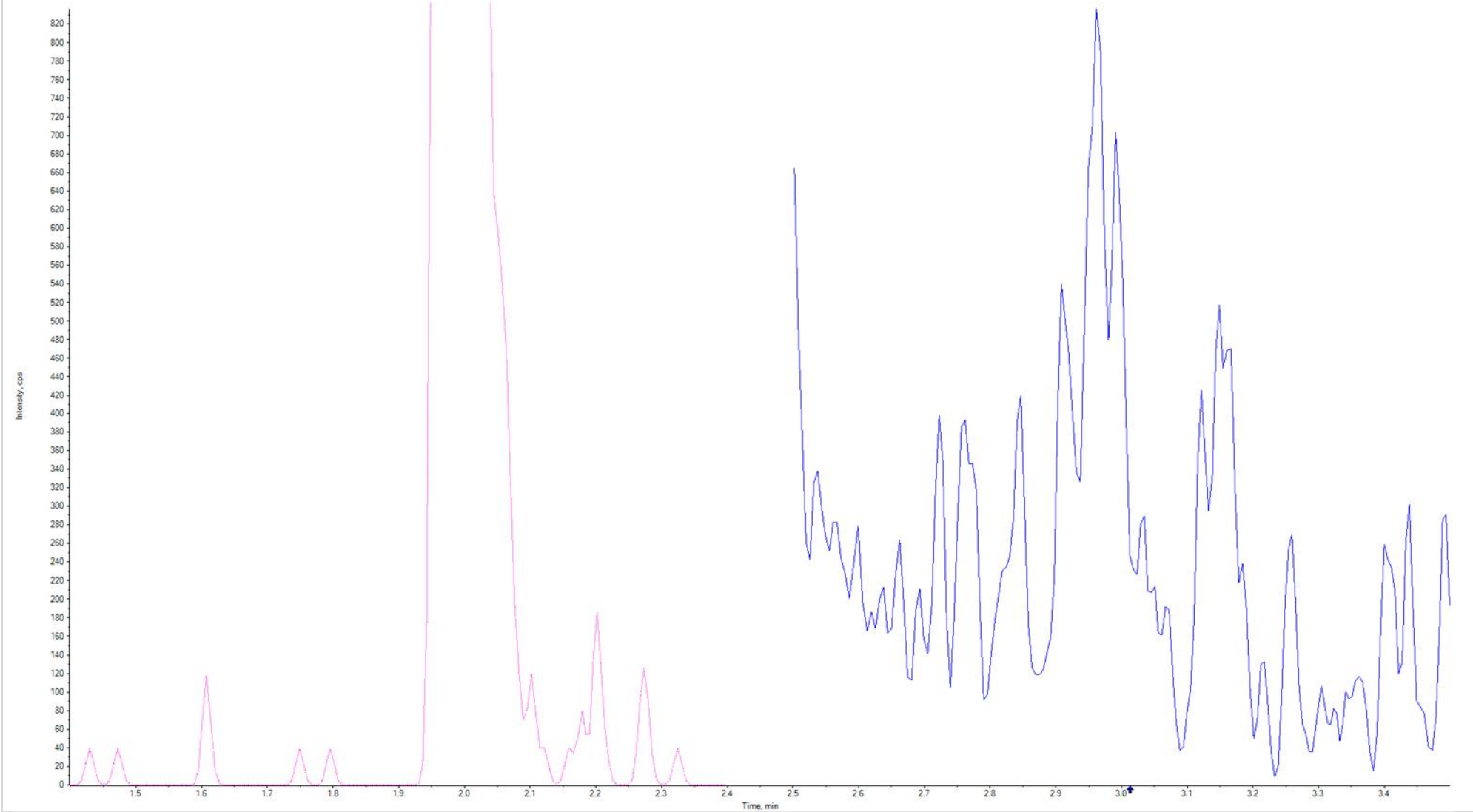


3:3FTCA_2
Sample: WG2009822-3,INSTBLNK S/N:N/A Points Across peak:N/A



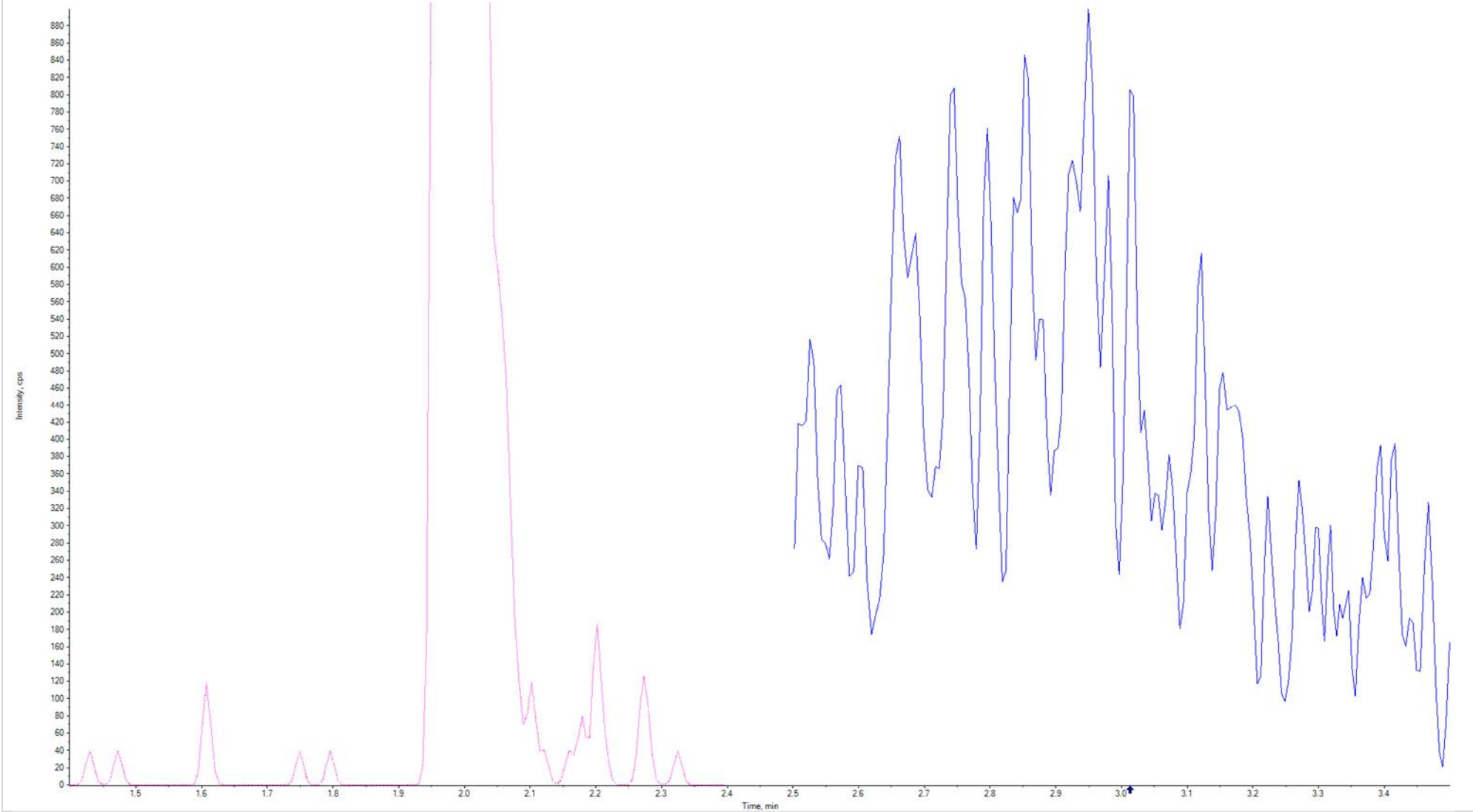
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Alpha Analytical LLC
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5:3FTCA
Sample: WG2009822-3,INSTBLNK S/N:N/A Points Across peak:N/A



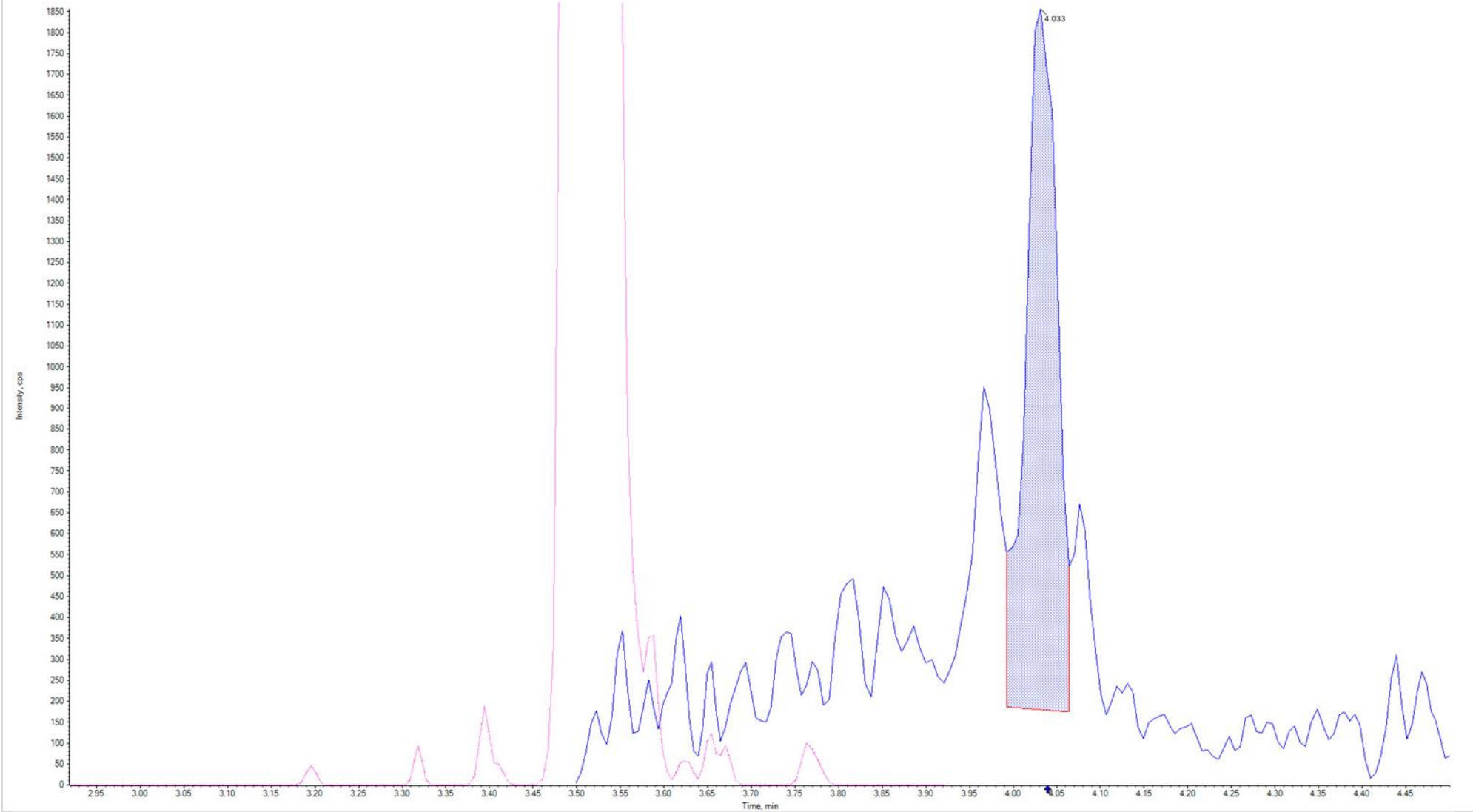
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5:3FTCA_2
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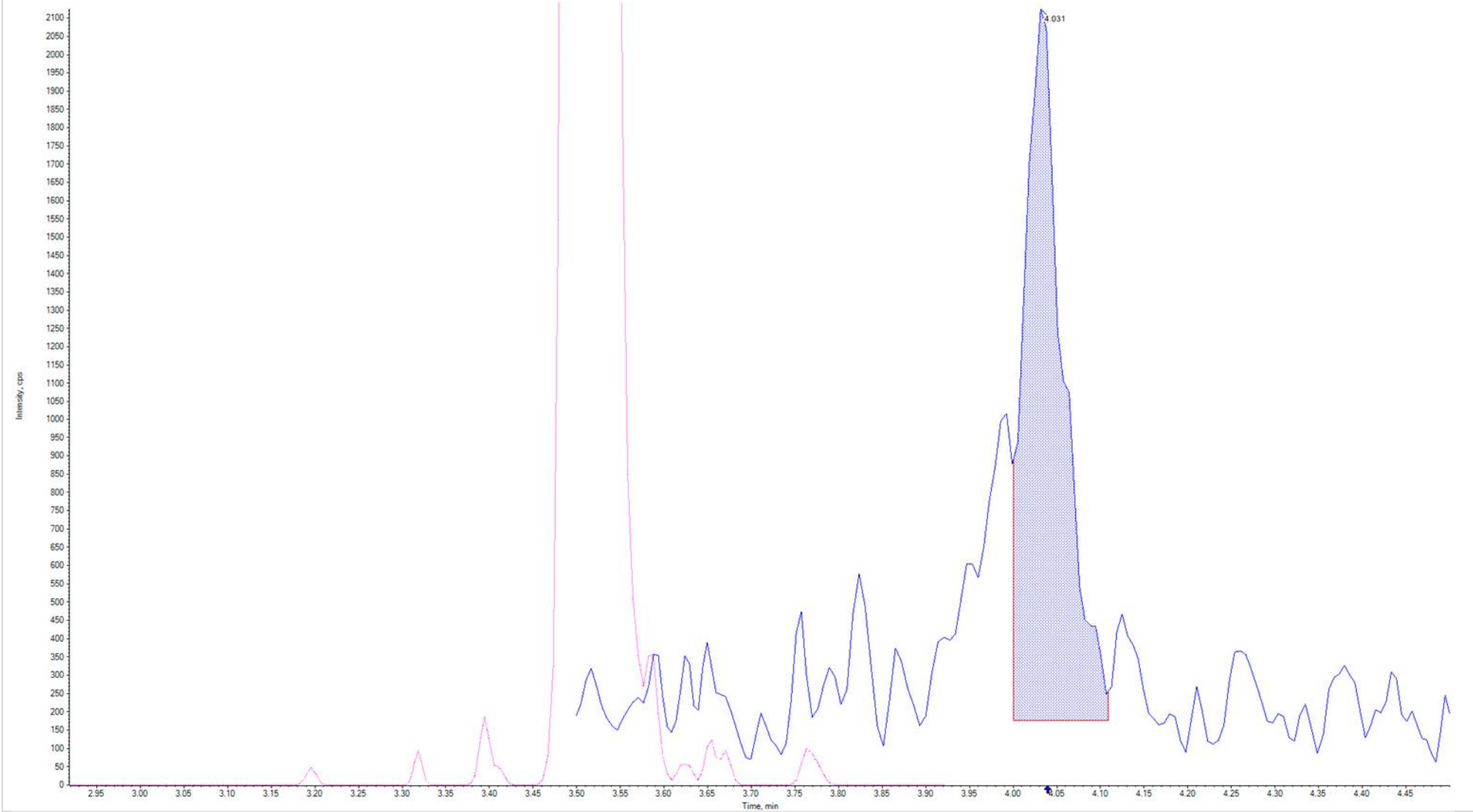
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7:3FTCA
Sample: WG2009822-3,INSTBLNK S/N:46.2 Points Across peak:12



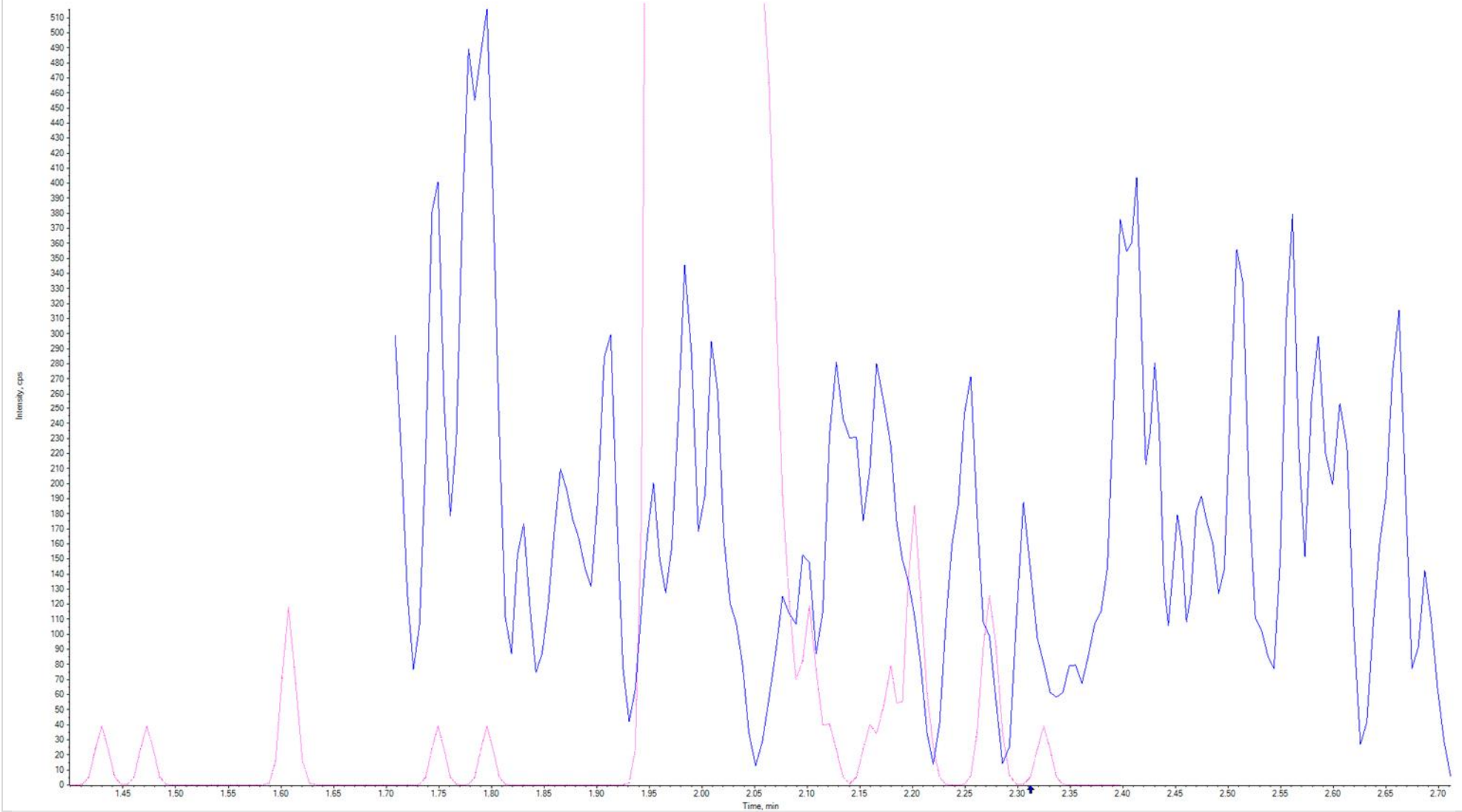
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Last Altered: 12/17/2024 2:10:27 AM
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7:3FTCA_2
Sample: WG2009822-3,INSTBLNK S/N:53.7 Points Across peak:19



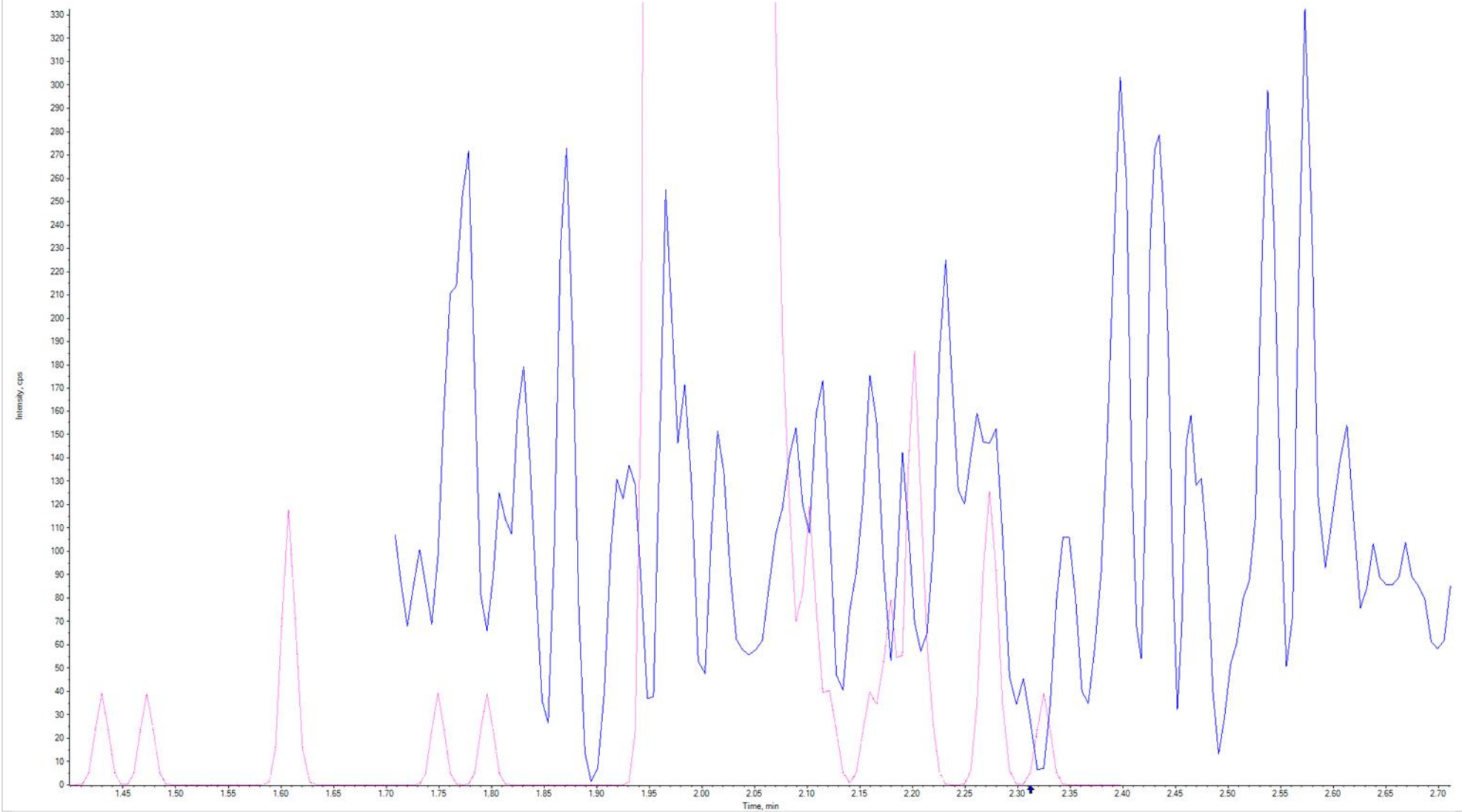
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PFEESA
Sample: WG2009822-3,INSTBLNK S/N:N/A Points Across peak:N/A

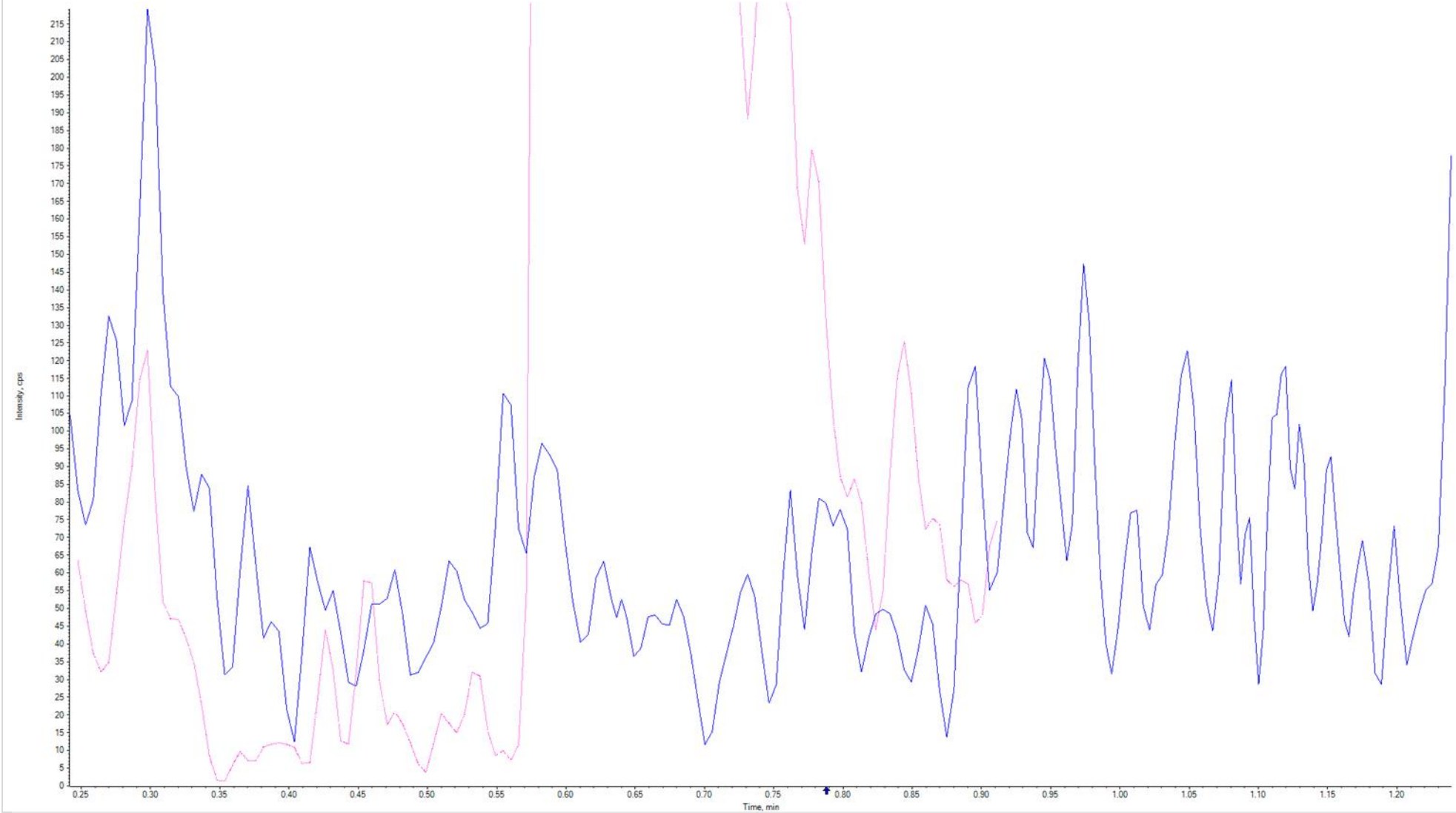


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PFEESA_2
Sample: WG2009822-3,INSTBLNK S/N:N/A Points Across peak:N/A

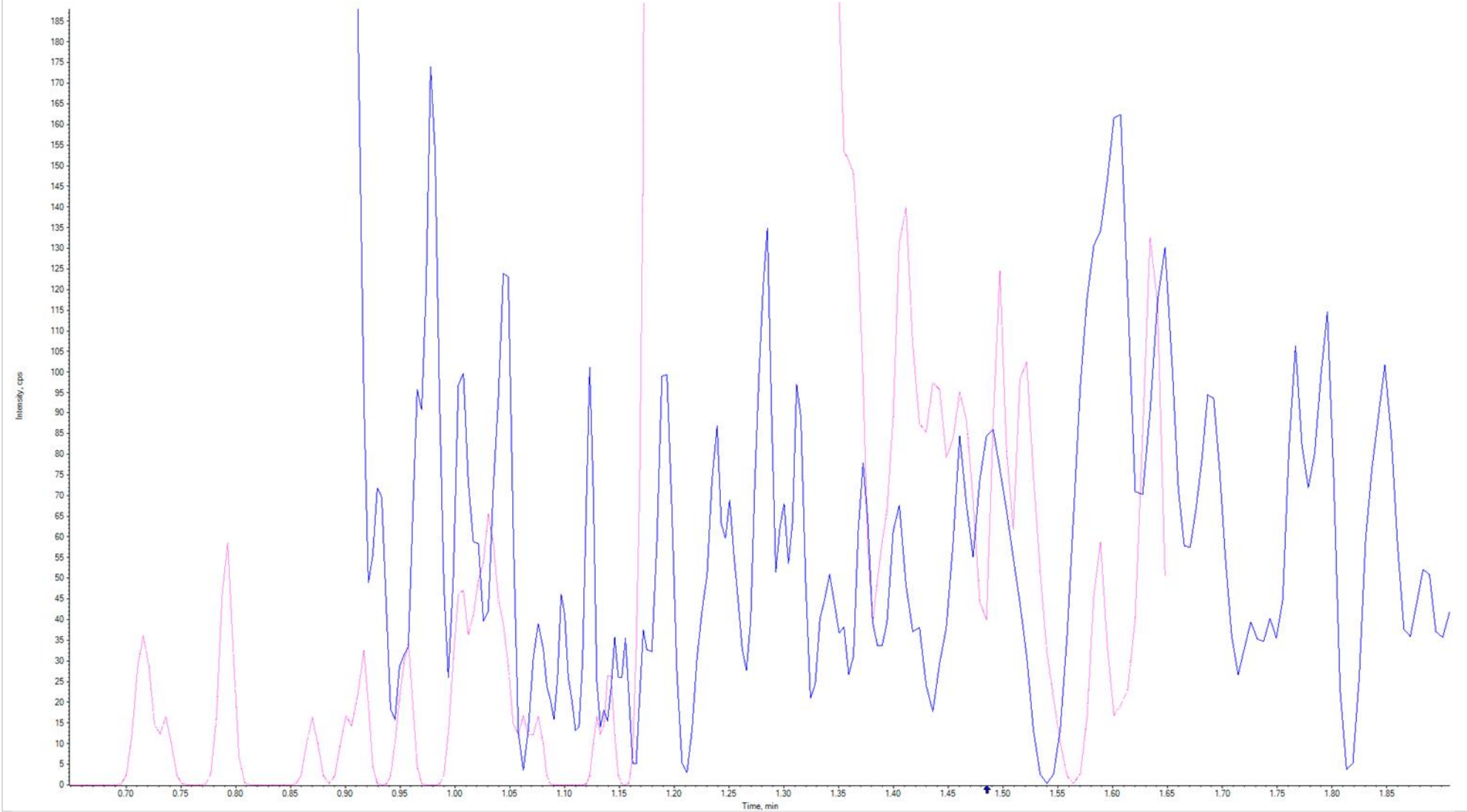


PFMPA
Sample: WG2009822-3,INSTBLNK S/N:N/A Points Across peak:N/A

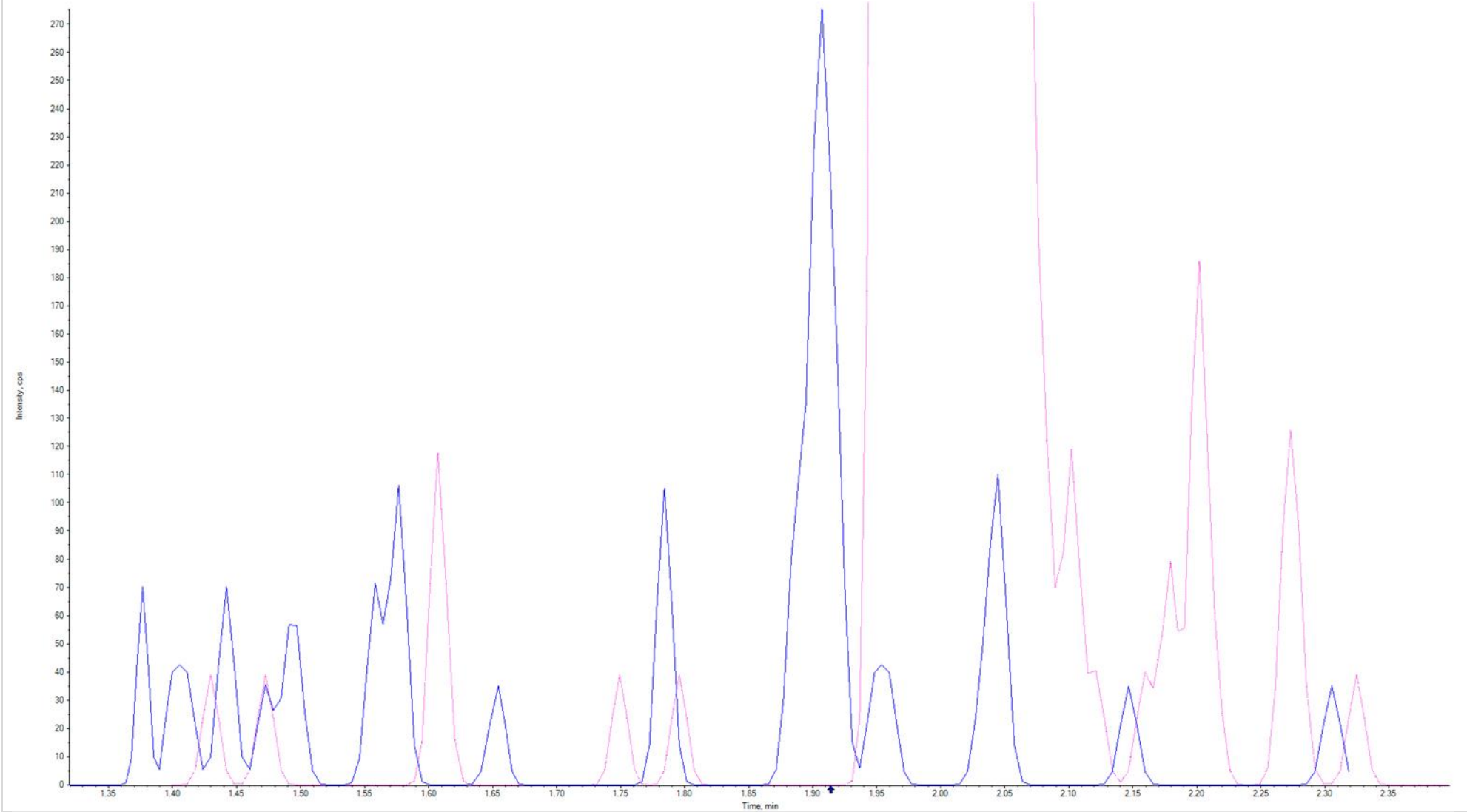


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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PFMBA
Sample: WG2009822-3,INSTBLNK S/N:N/A Points Across peak:N/A

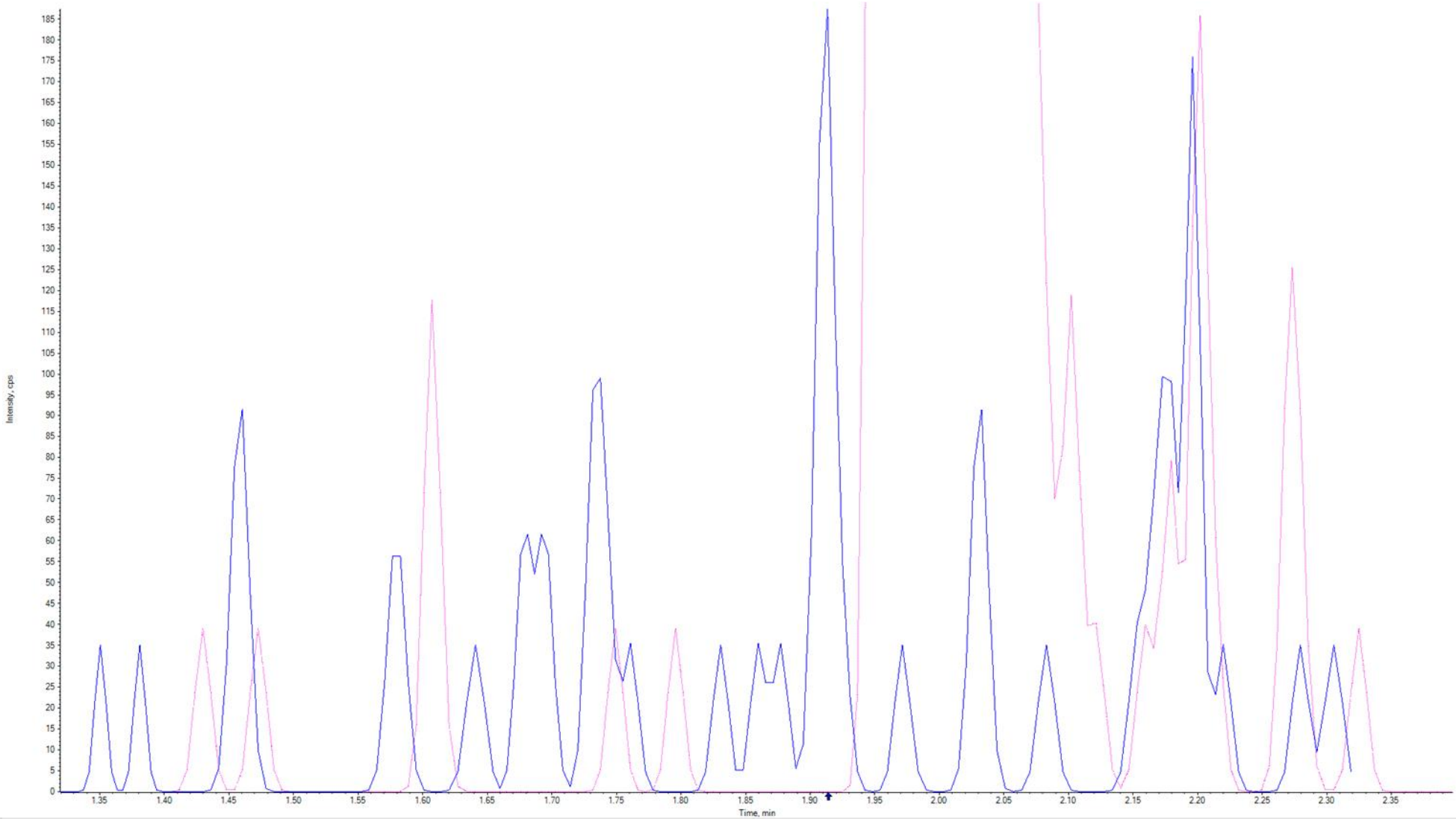


NFDHA
Sample: WG2009822-3,INSTBLNK S/N:N/A Points Across peak:N/A



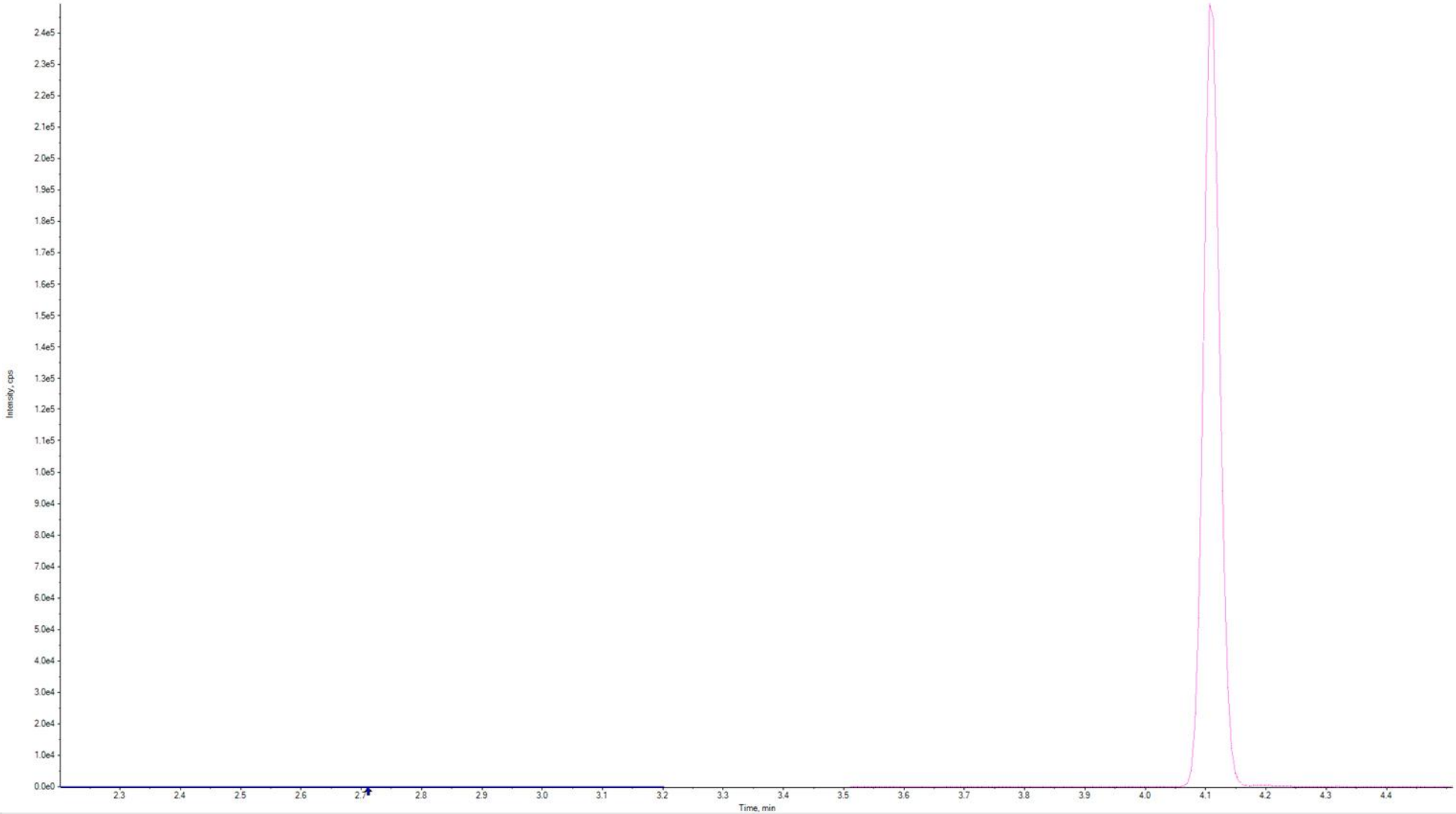
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NFDHA_2
Sample: WG2009822-3,INSTBLNK S/N:N/A Points Across peak:N/A



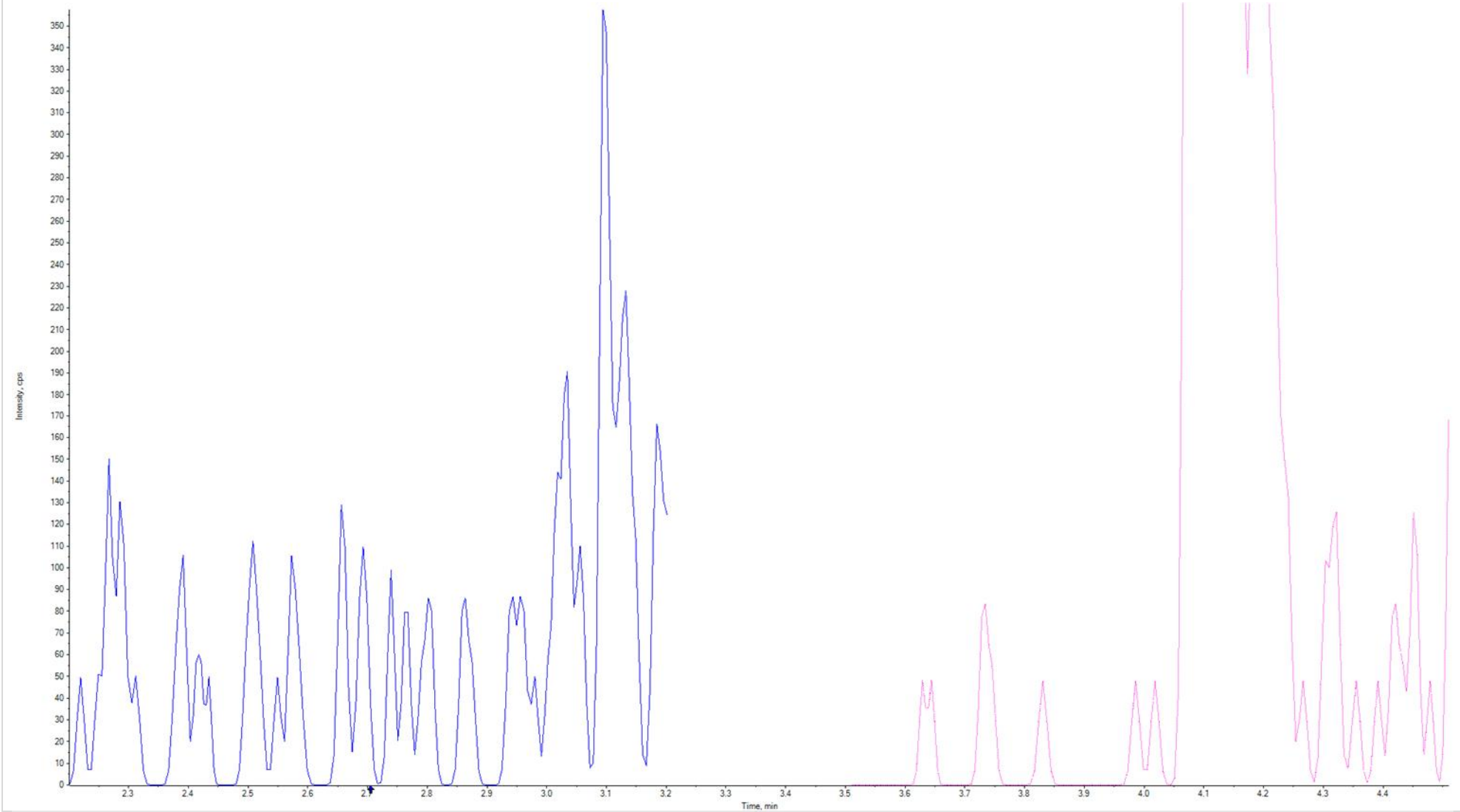
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TDCA
Sample: WG2009822-3,INSTBLNK S/N:N/A Points Across peak:N/A



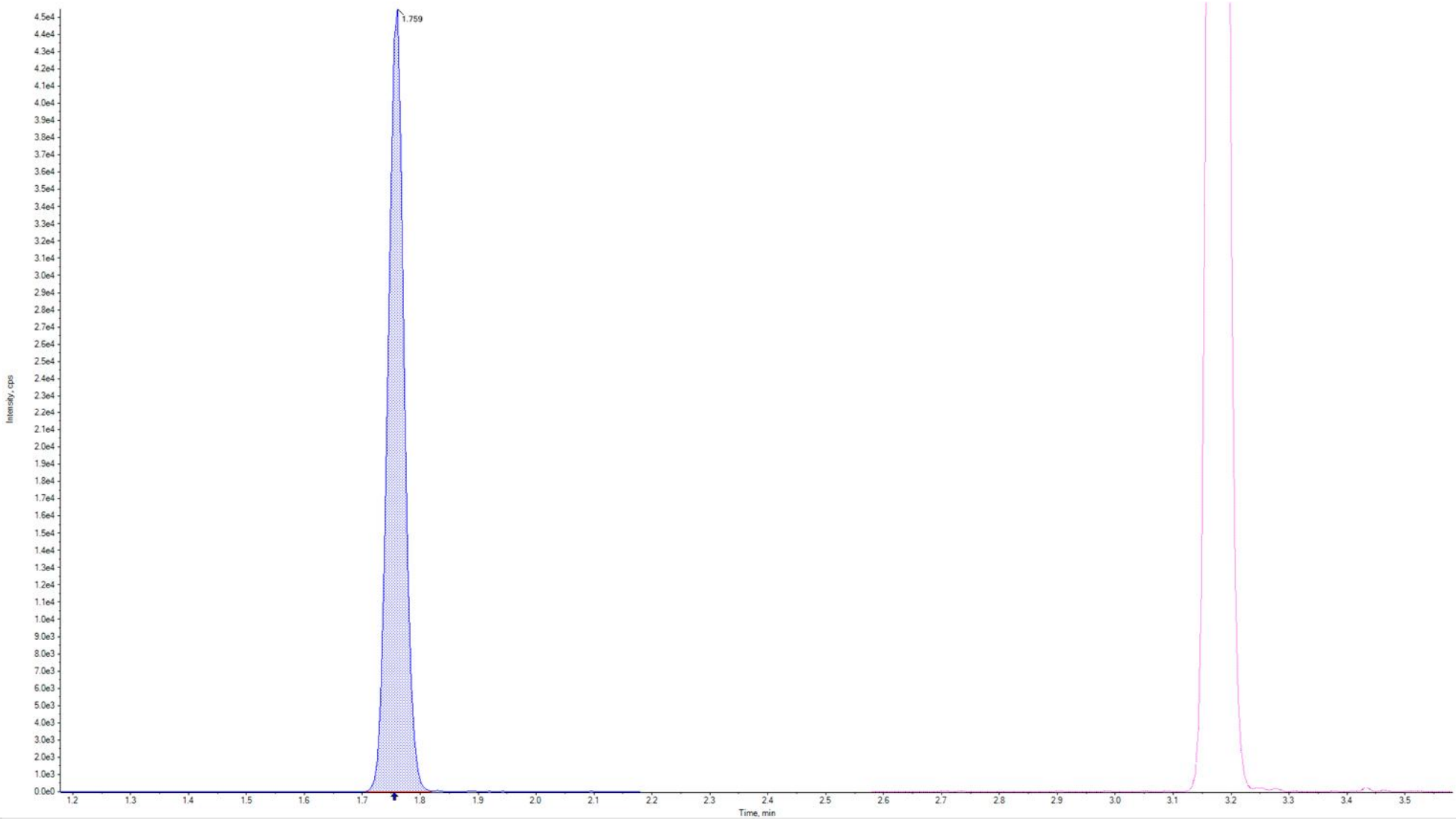
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TDCA_2
Sample: WG2009822-3,INSTBLNK S/N:N/A Points Across peak:N/A



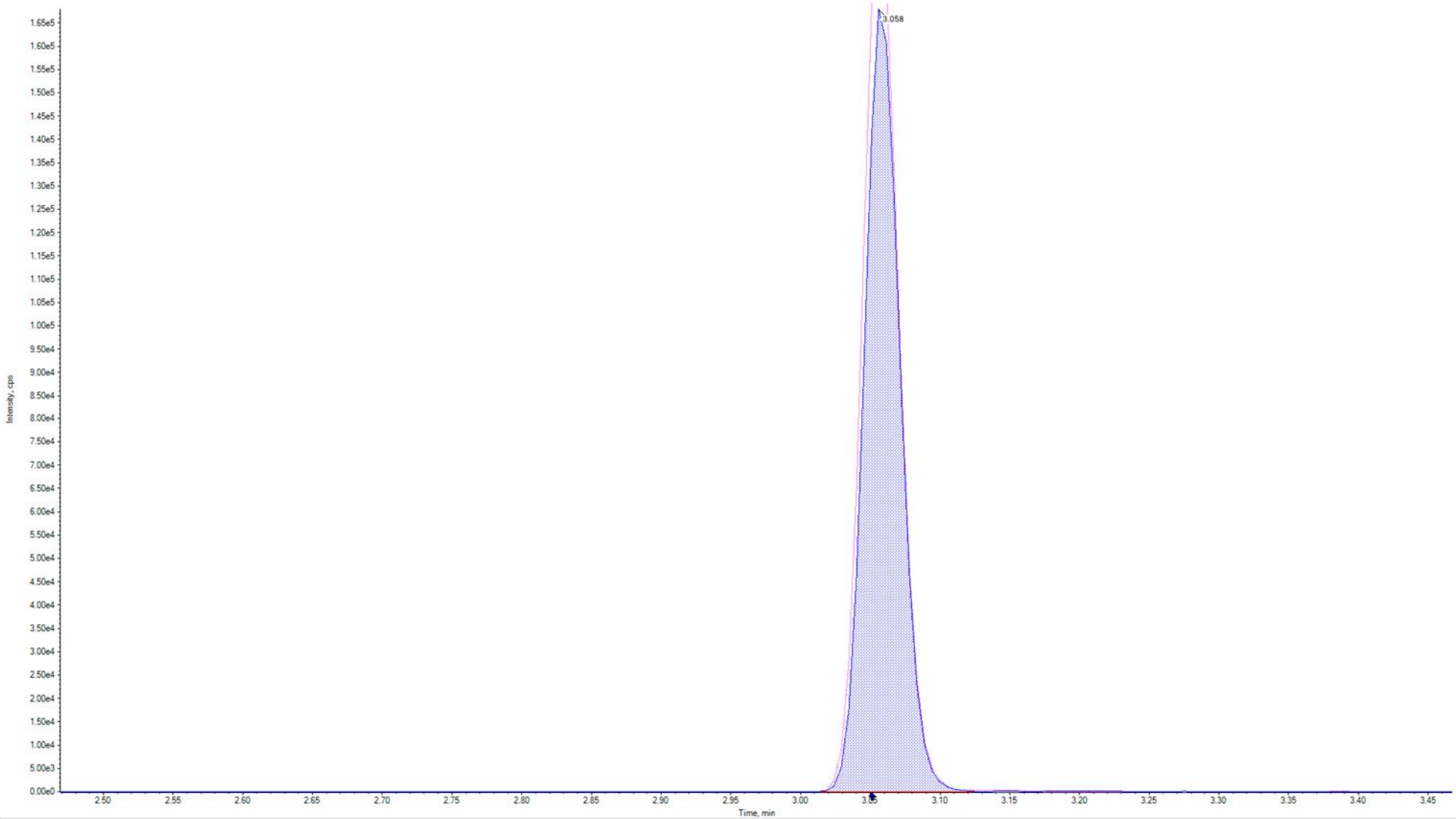
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13C2D4-4:2FTS
Sample: WG2009822-3,INSTBLNK S/N:1709.4 Points Across peak:24

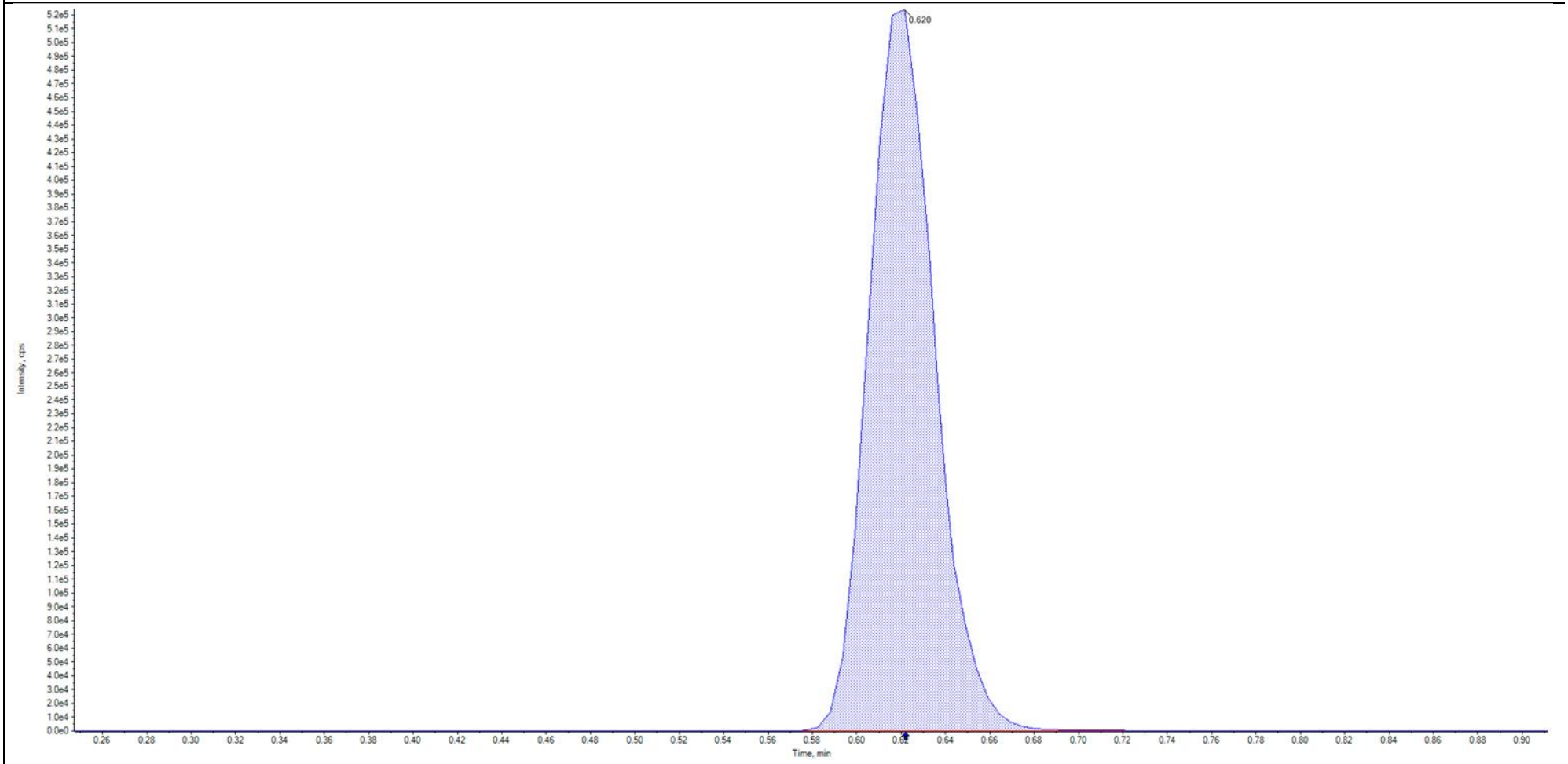


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/17/2024 2:10:27 AM
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13C2-PFOA
Sample: WG2009822-3,INSTBLNK S/N:3789.1 Points Across peak:27

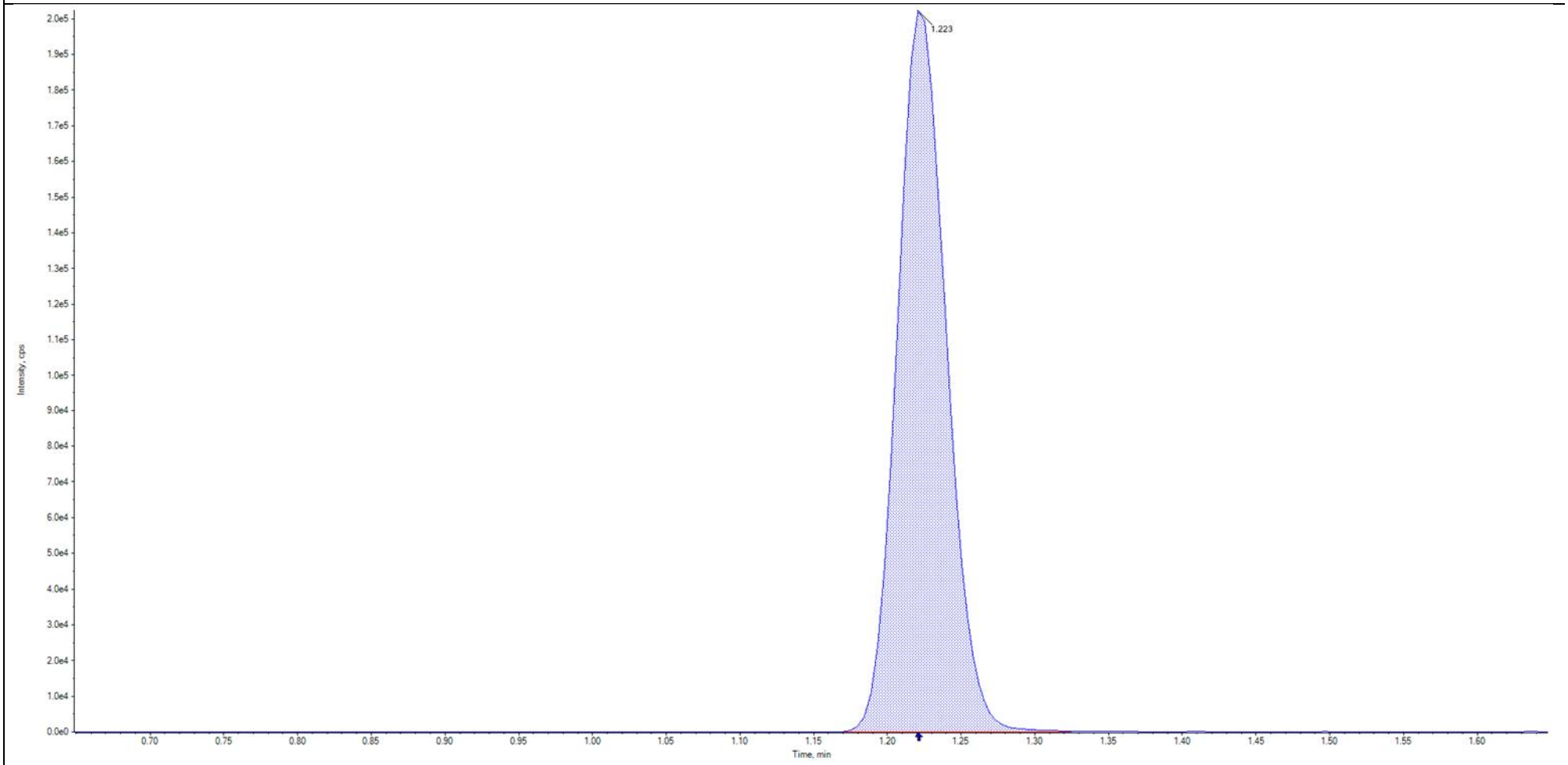


13C4-PFBA
Sample: WG2009822-3,INSTBLNK

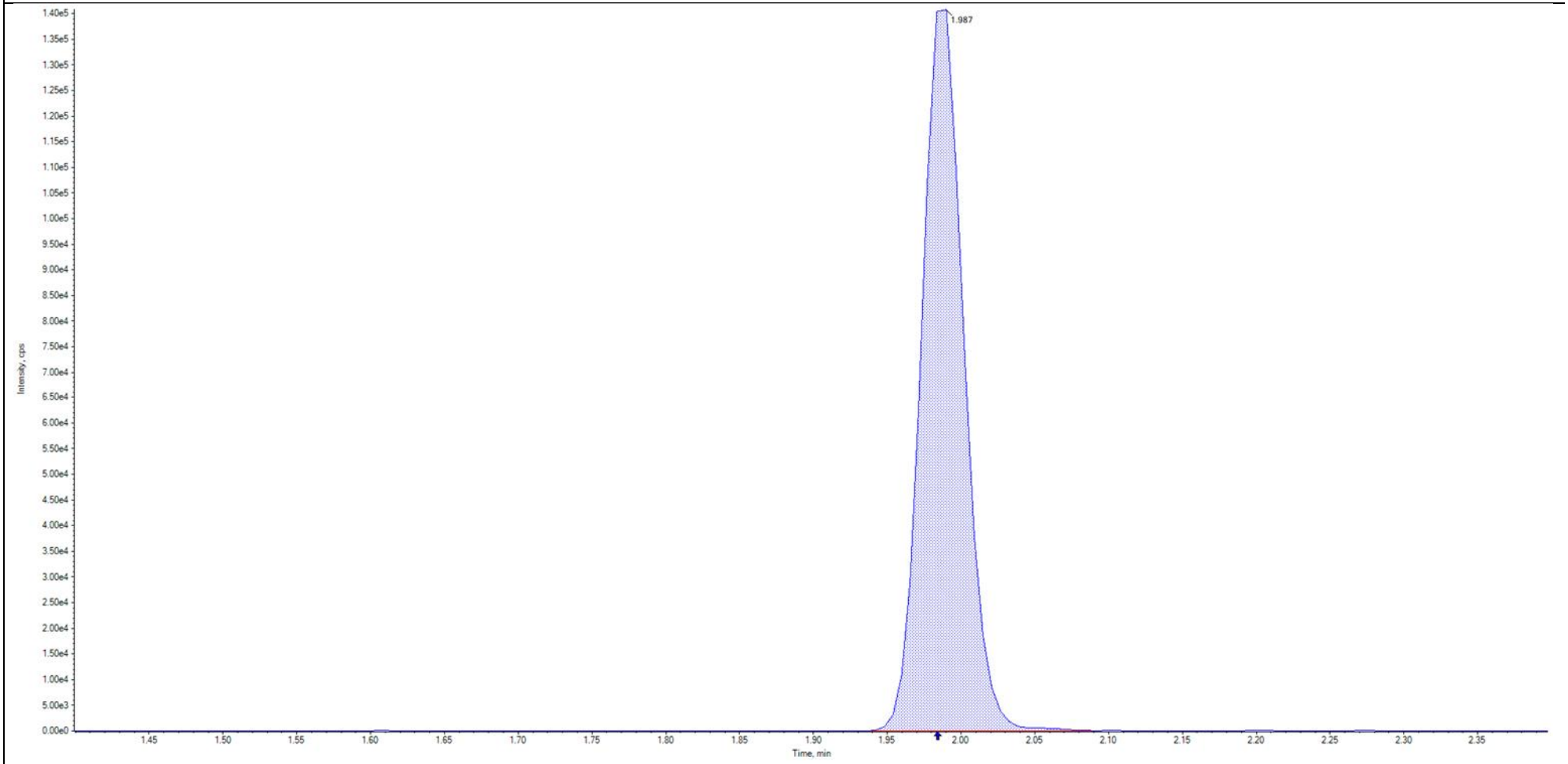


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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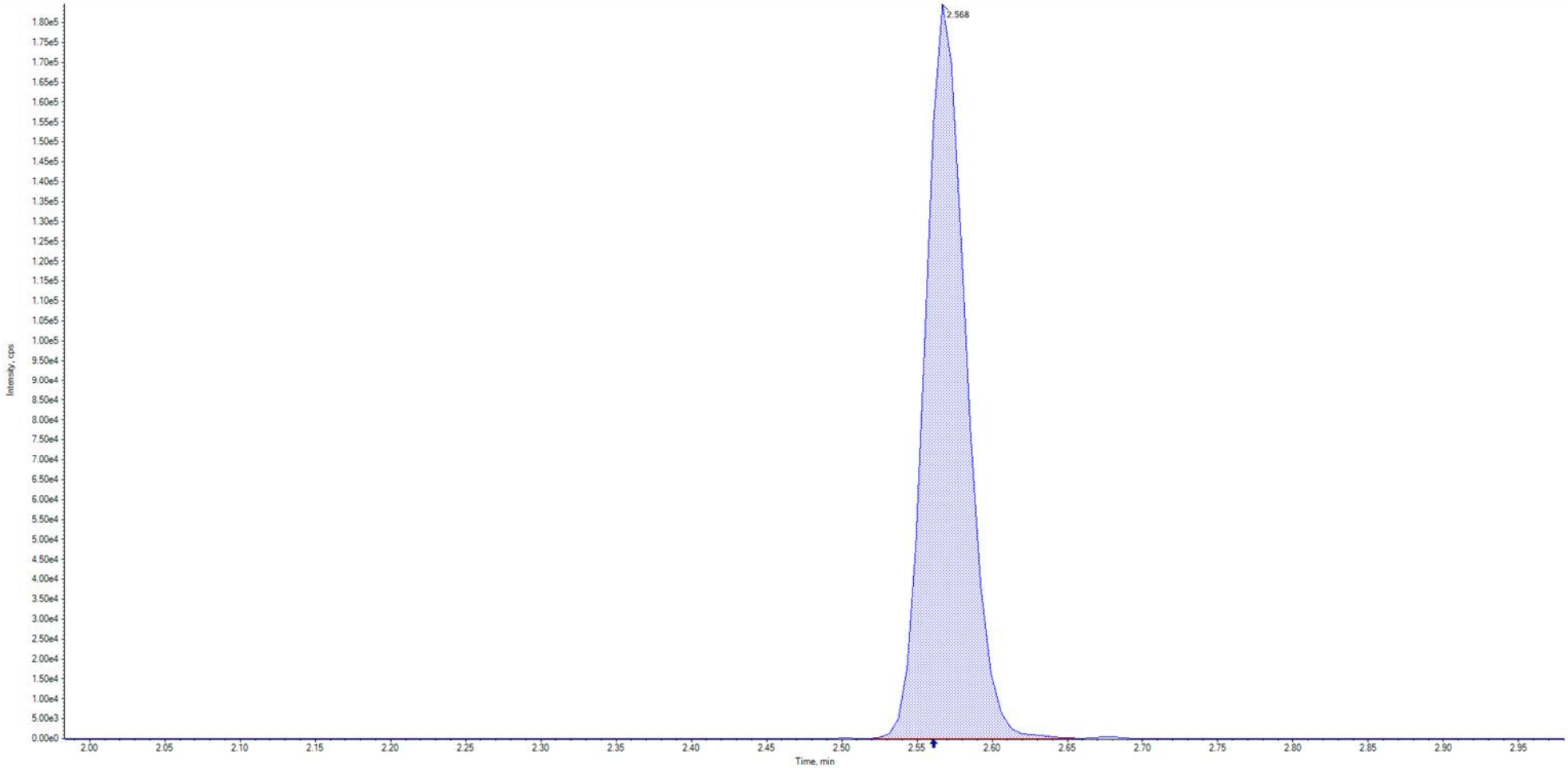
13C5-PFPeA
Sample: WG2009822-3,INSTBLNK



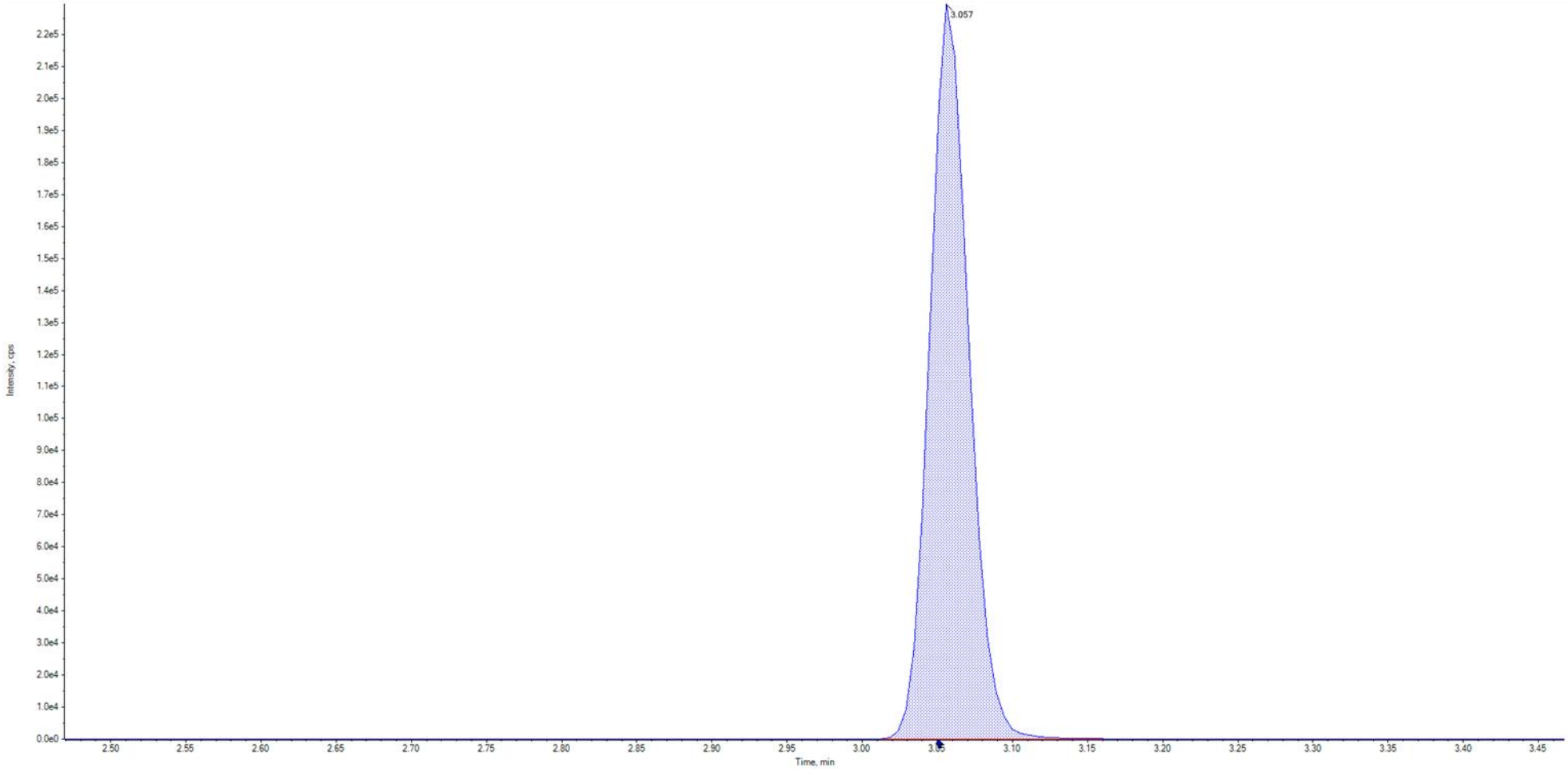
13C5-PFHxA
Sample: WG2009822-3,INSTBLNK



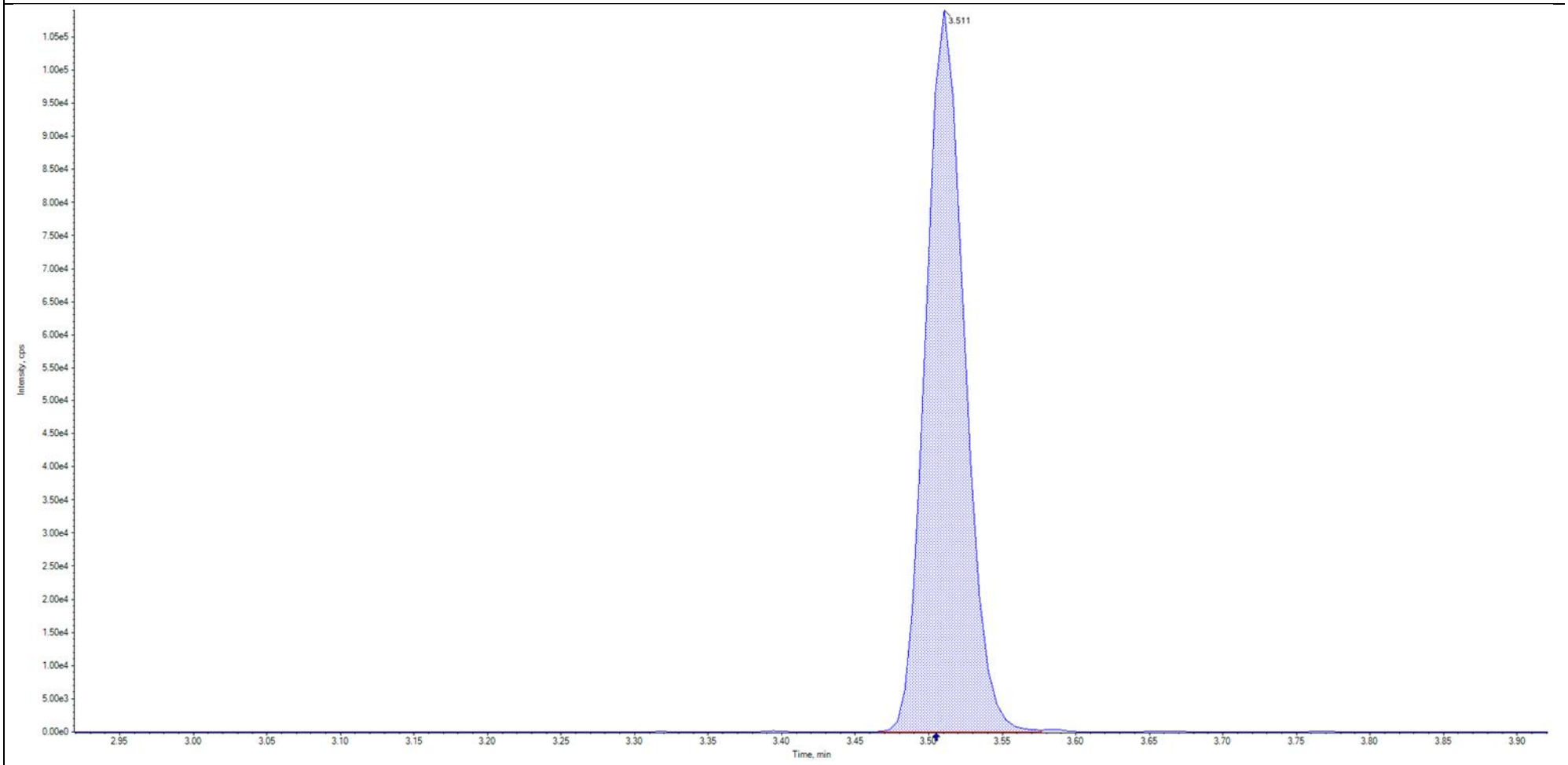
13C4-PFHpA
Sample: WG2009822-3,INSTBLNK



13C8-PFOA
Sample: WG2009822-3,INSTBLNK

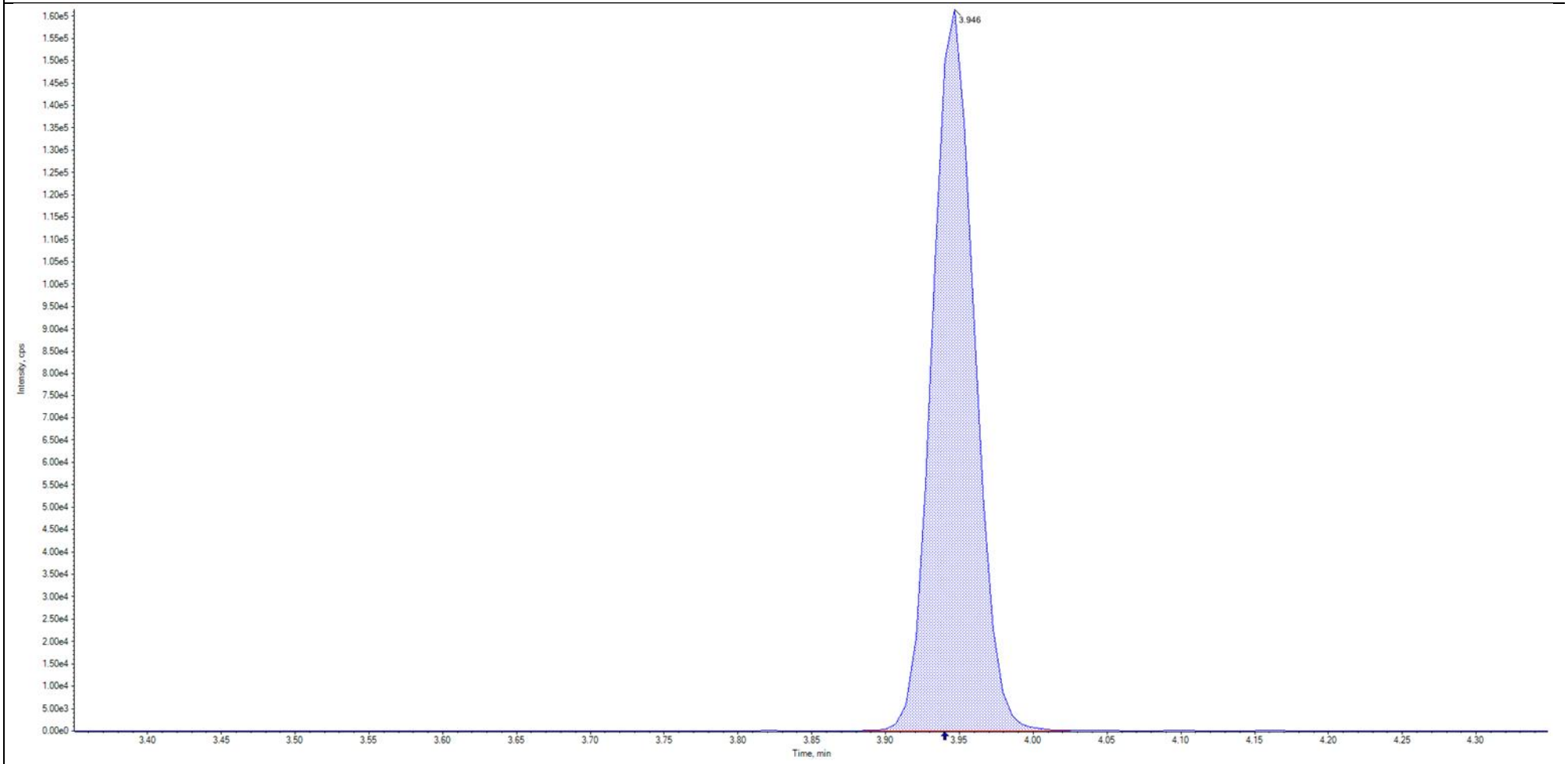


13C9-PFNA
Sample: WG2009822-3,INSTBLNK

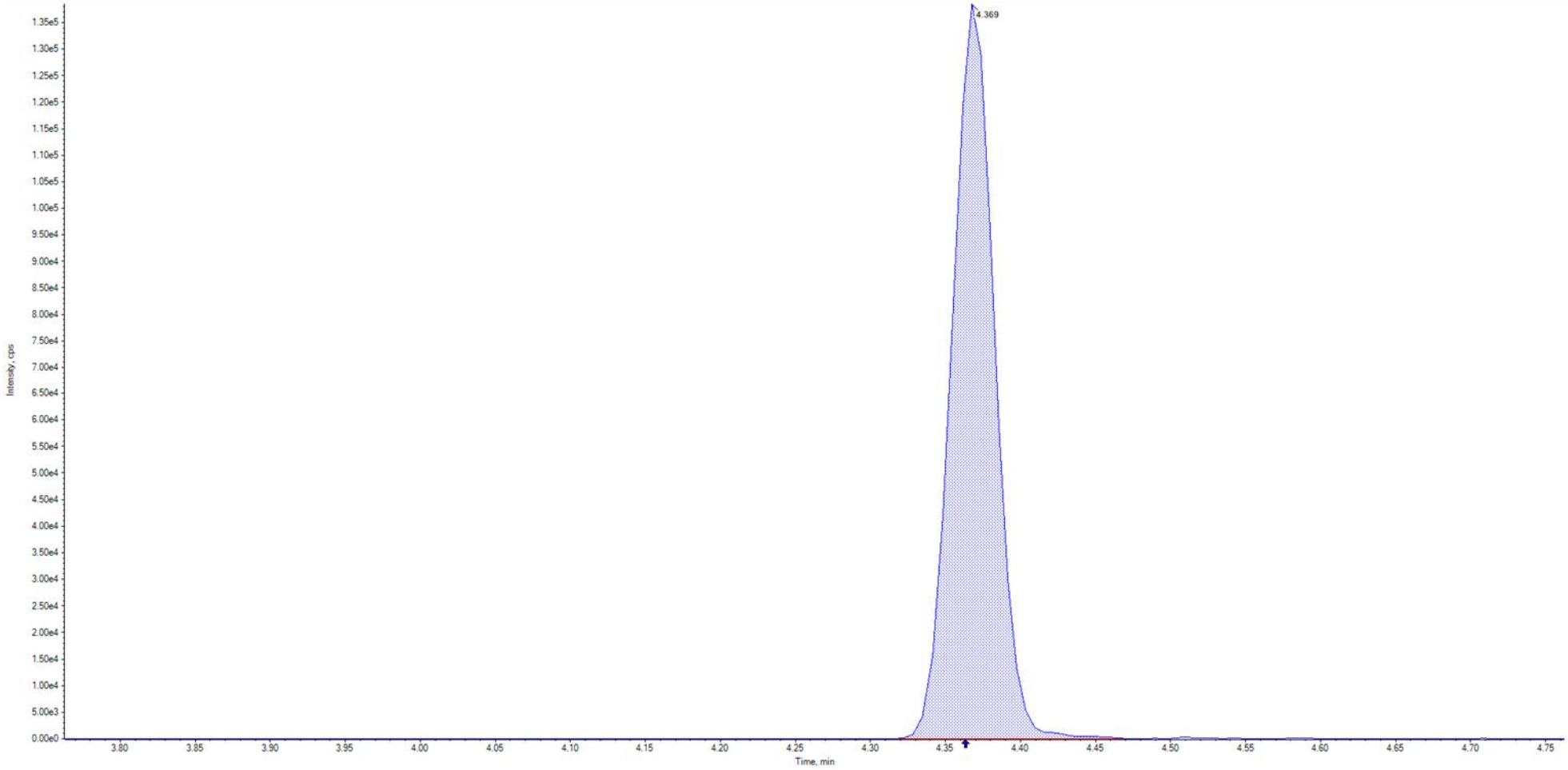


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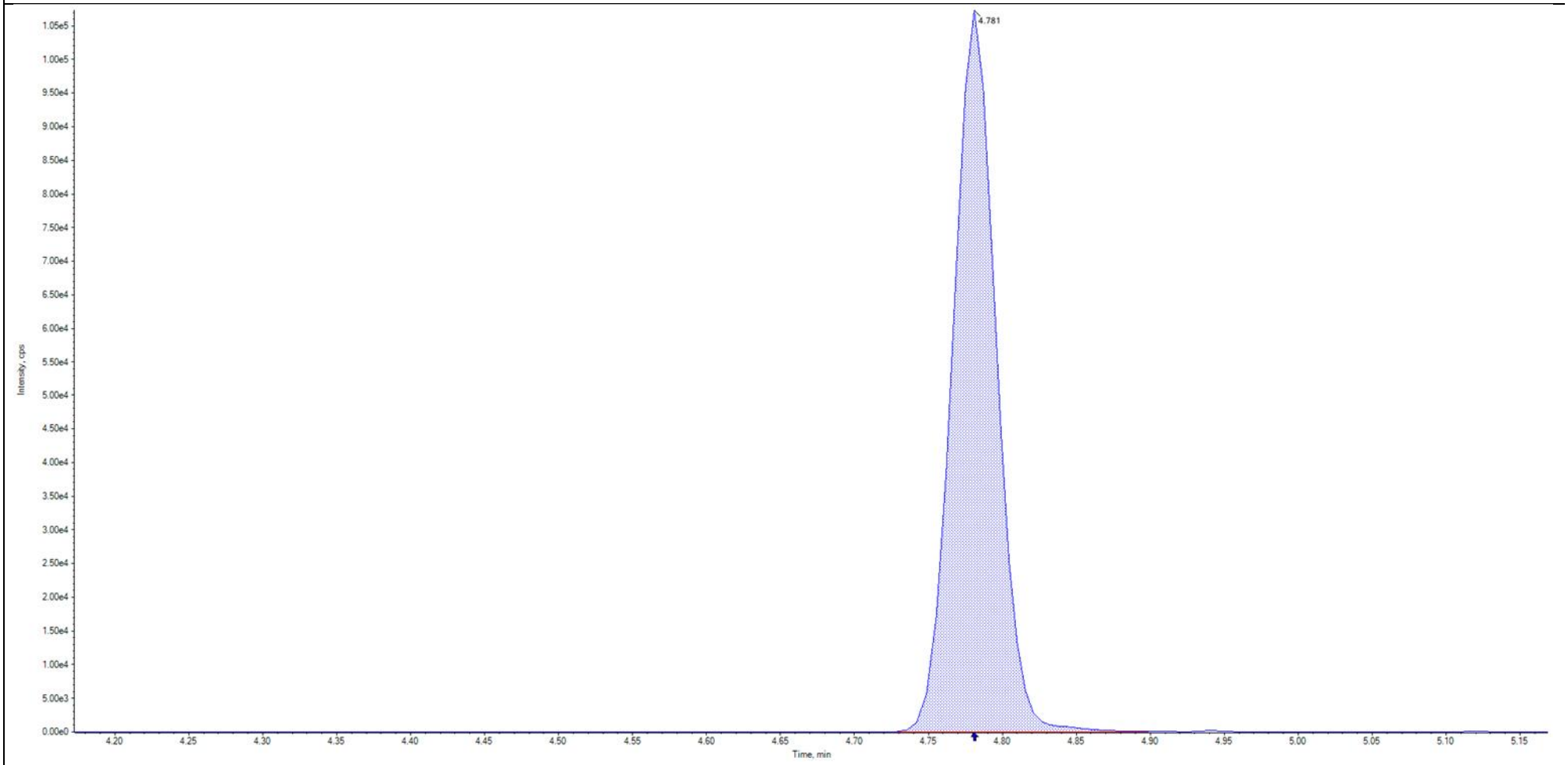
13C6-PFDA
Sample: WG2009822-3,INSTBLNK



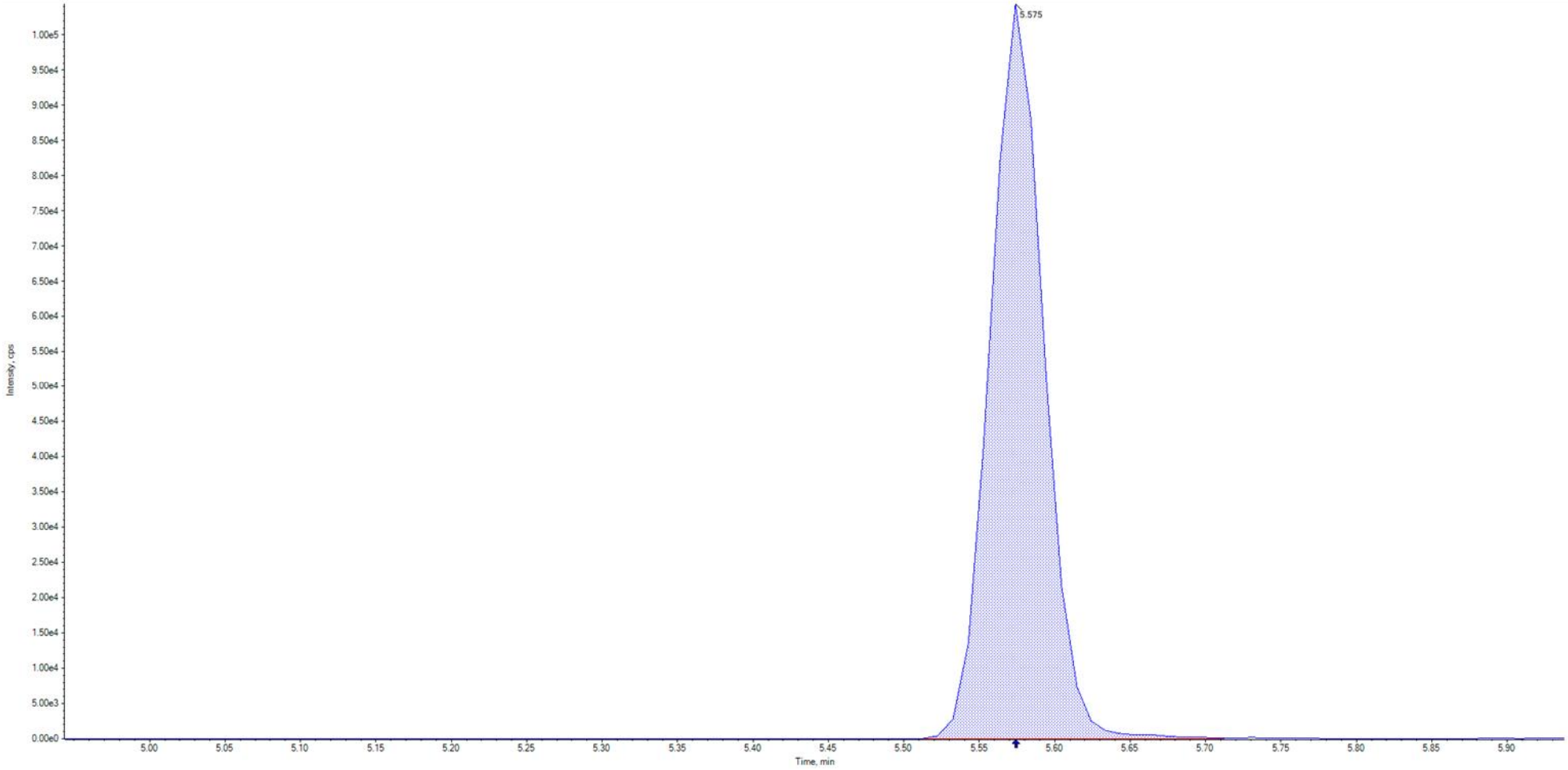
13C7-PFUnA
Sample: WG2009822-3,INSTBLNK



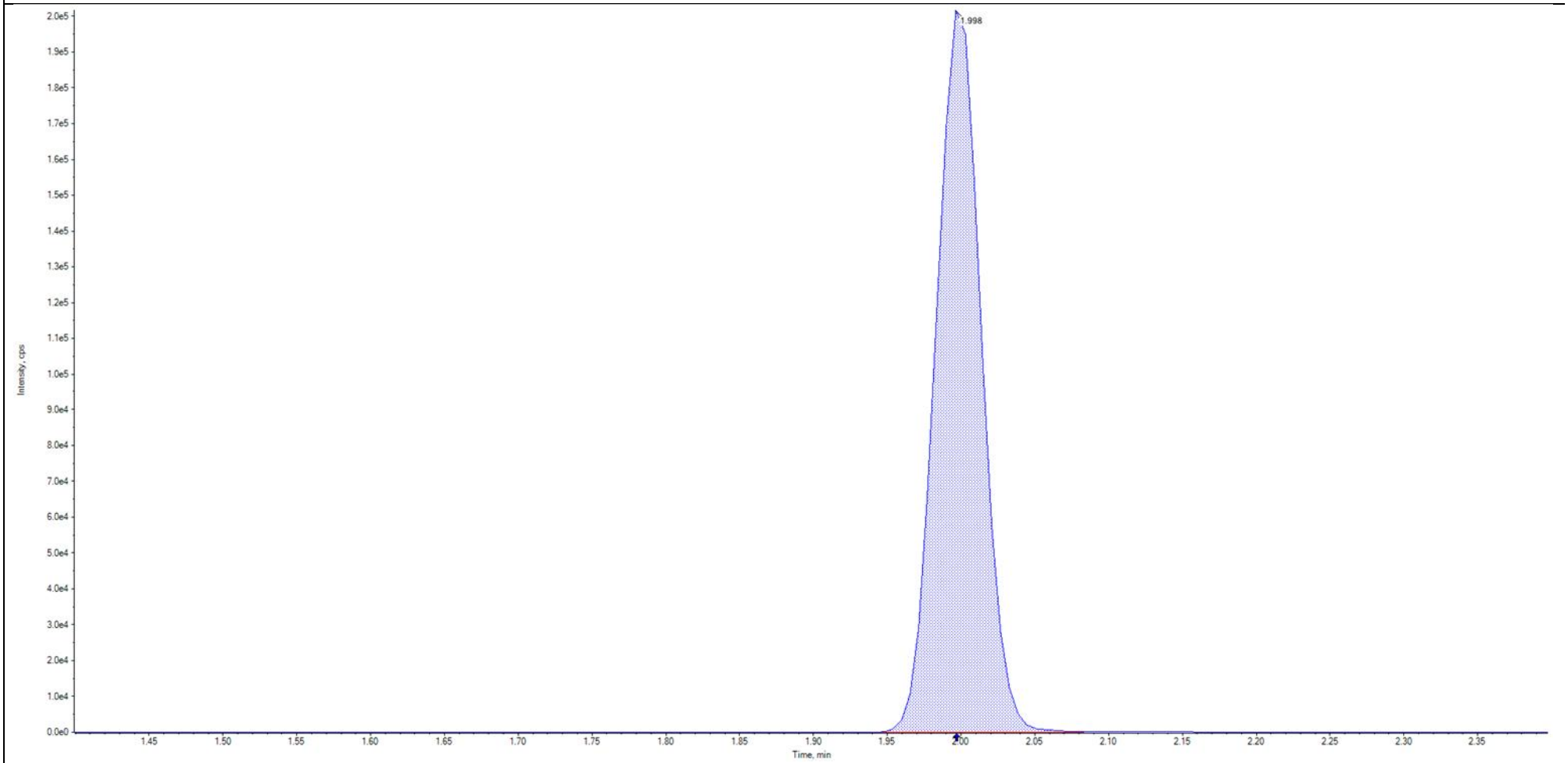
13C2-PFDoA
Sample: WG2009822-3,INSTBLNK



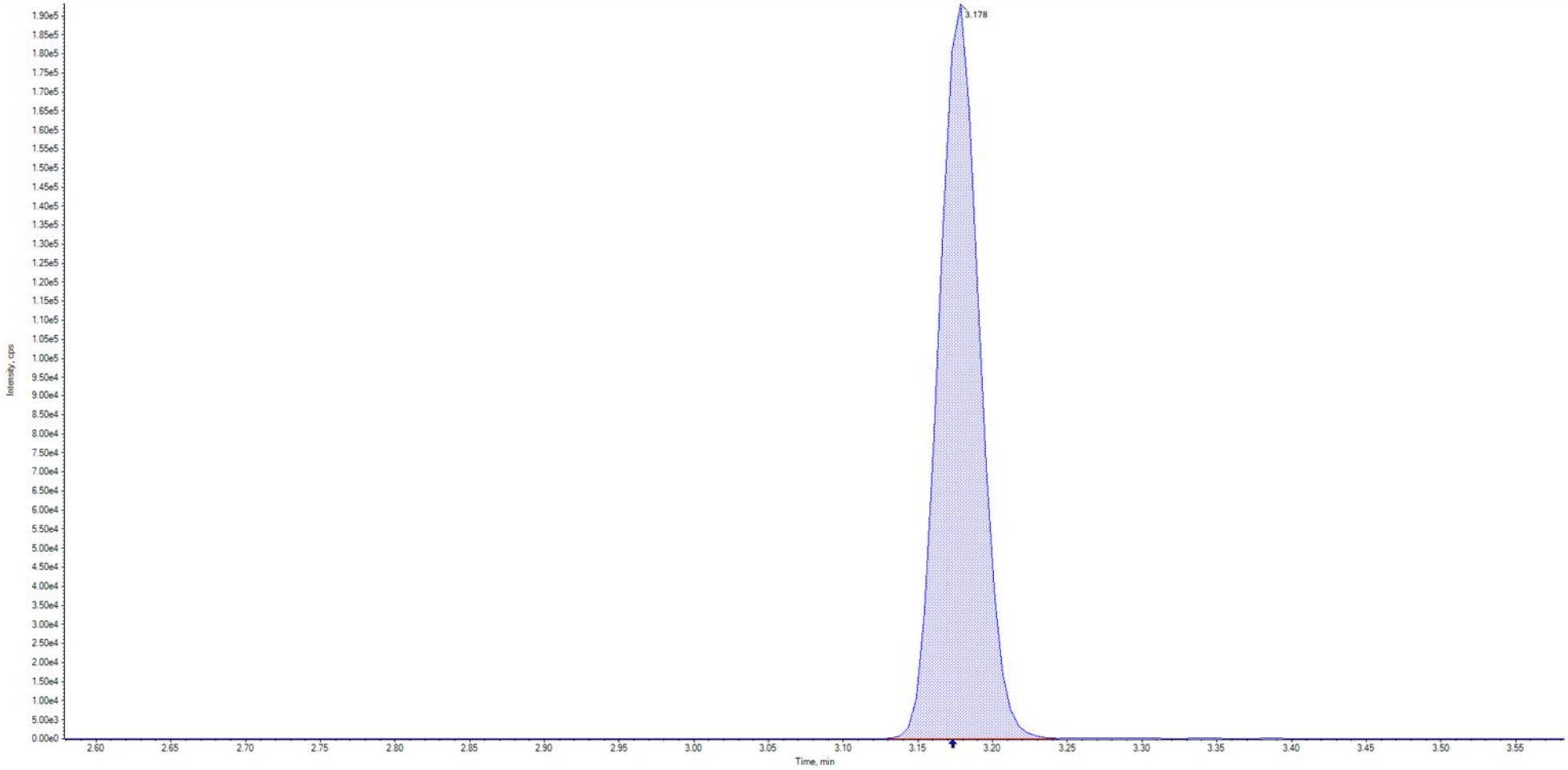
13C2-PFTeDA
Sample: WG2009822-3,INSTBLNK



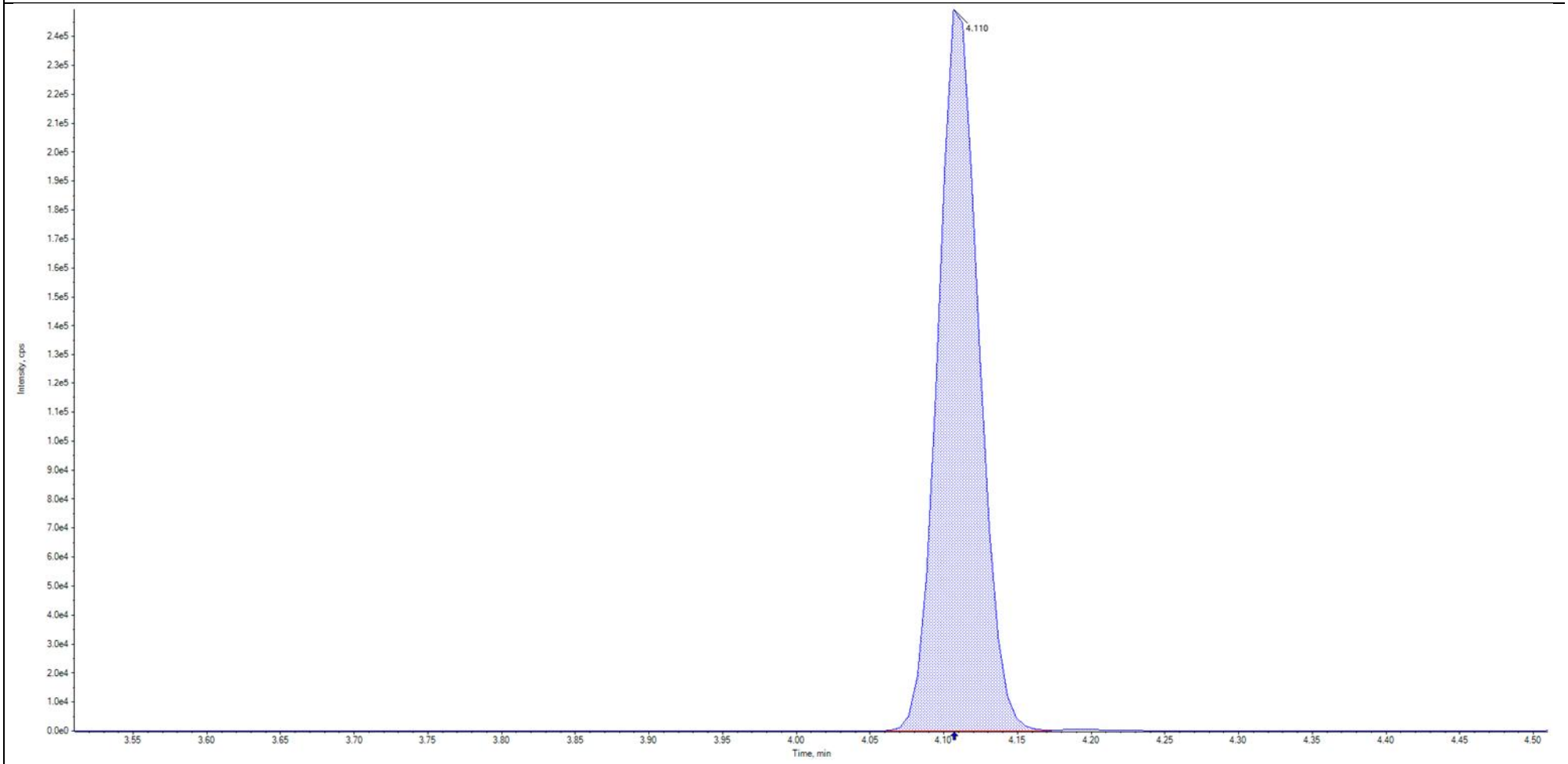
13C3-PFBS
Sample: WG2009822-3,INSTBLNK



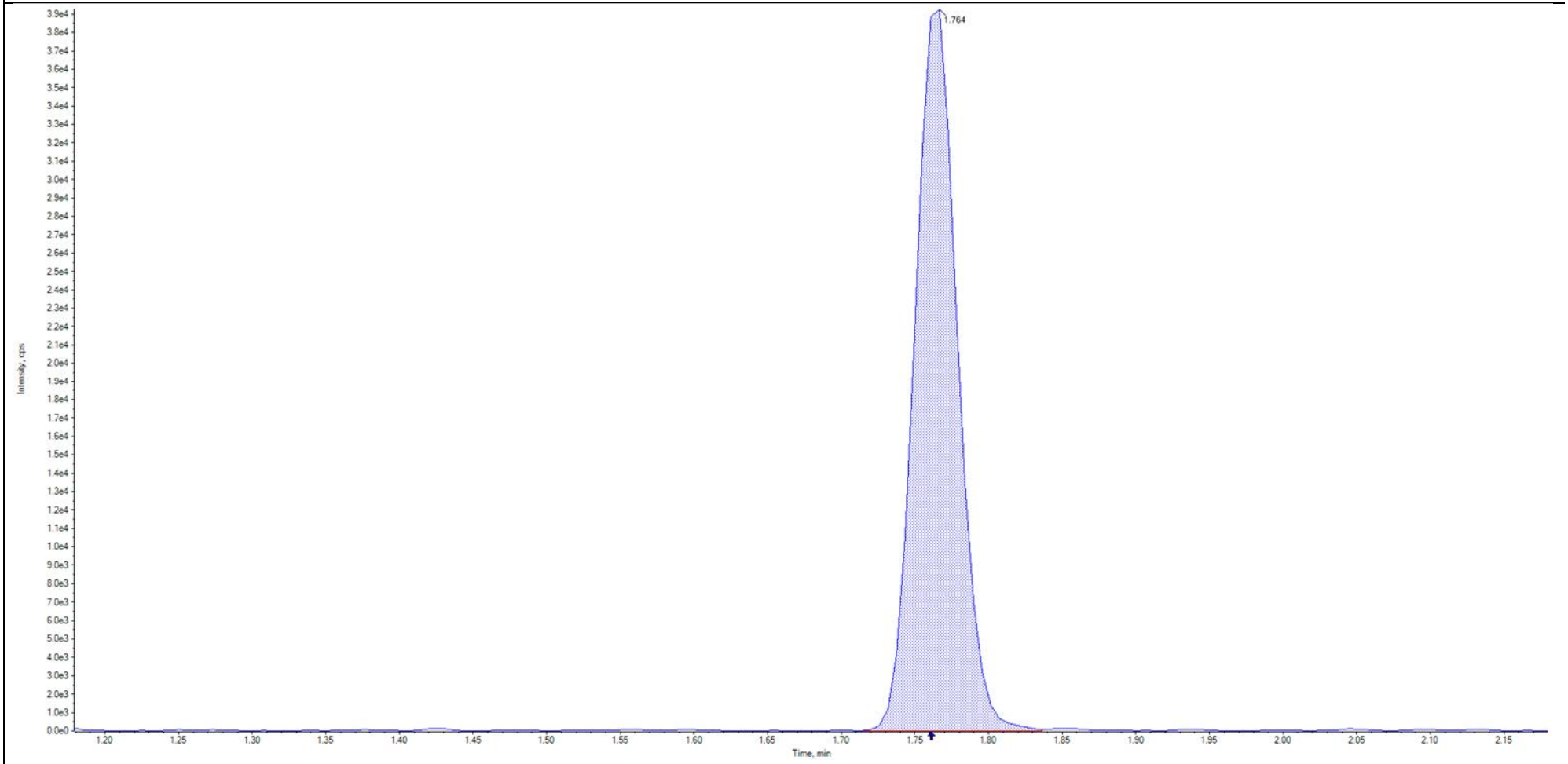
13C3-PFHxS
Sample: WG2009822-3,INSTBLNK



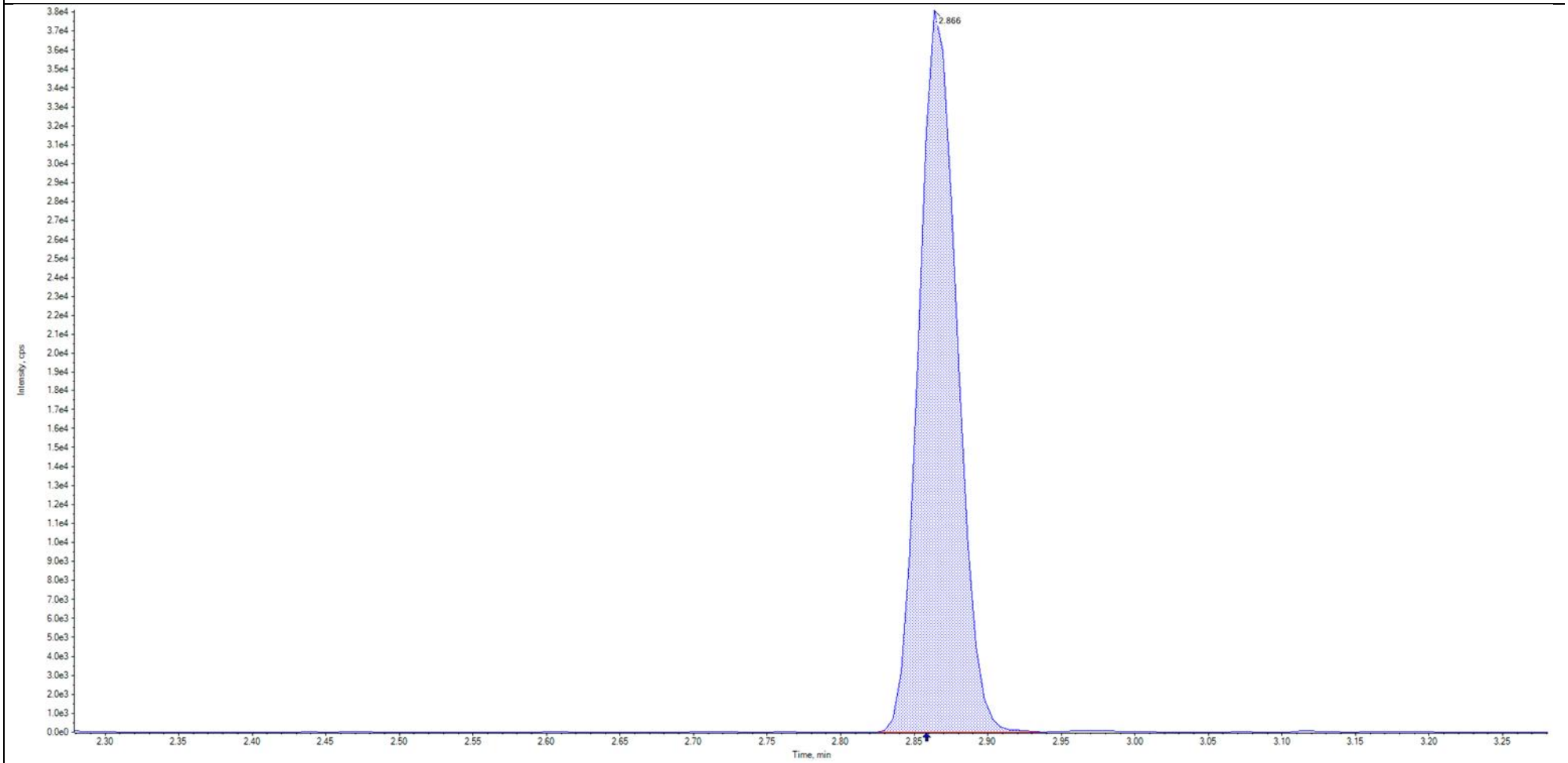
13C8-PFOS
Sample: WG2009822-3,INSTBLNK



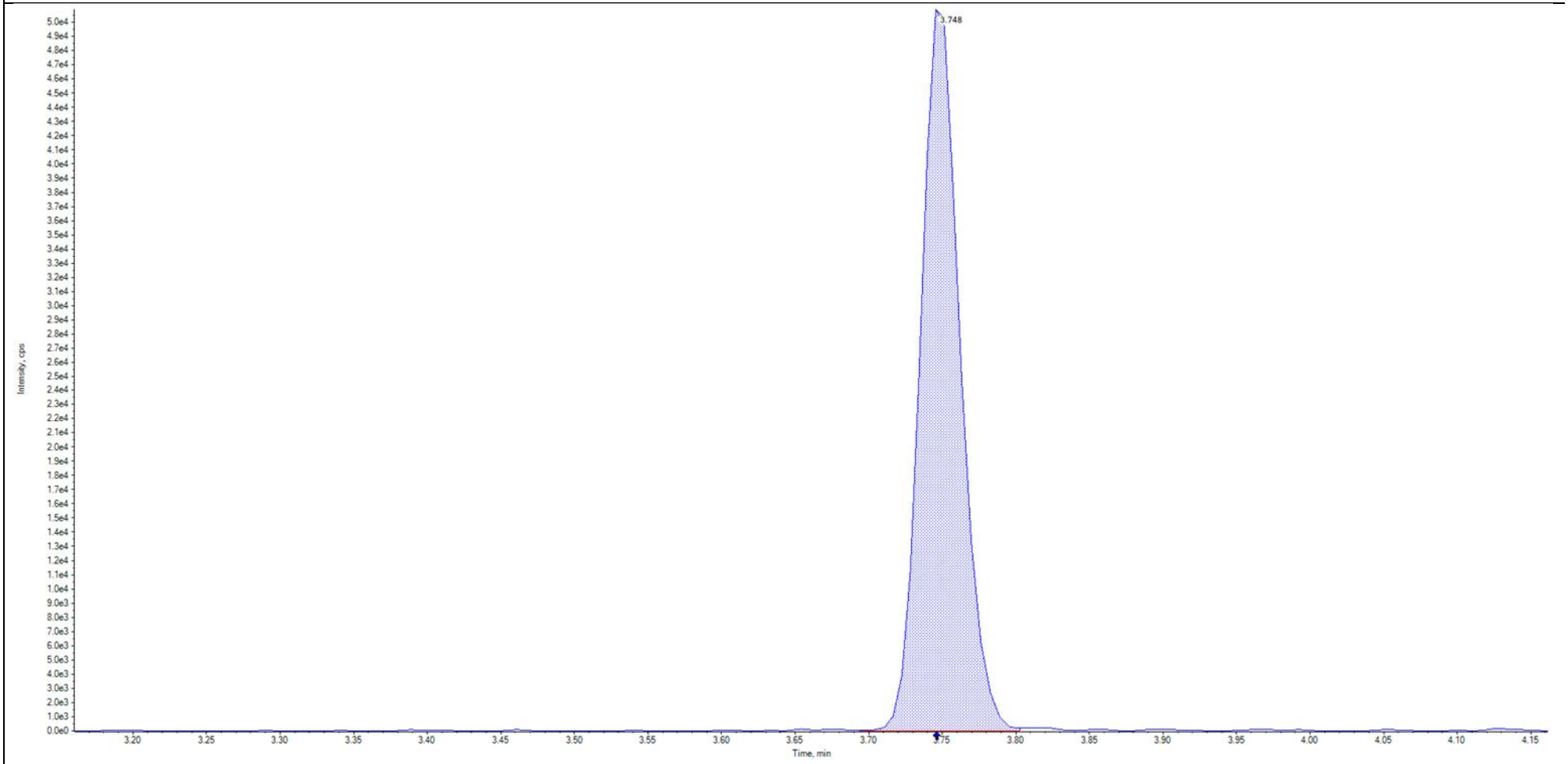
13C2-4:2FTS
Sample: WG2009822-3,INSTBLNK



13C2-6:2FTS
Sample: WG2009822-3,INSTBLNK

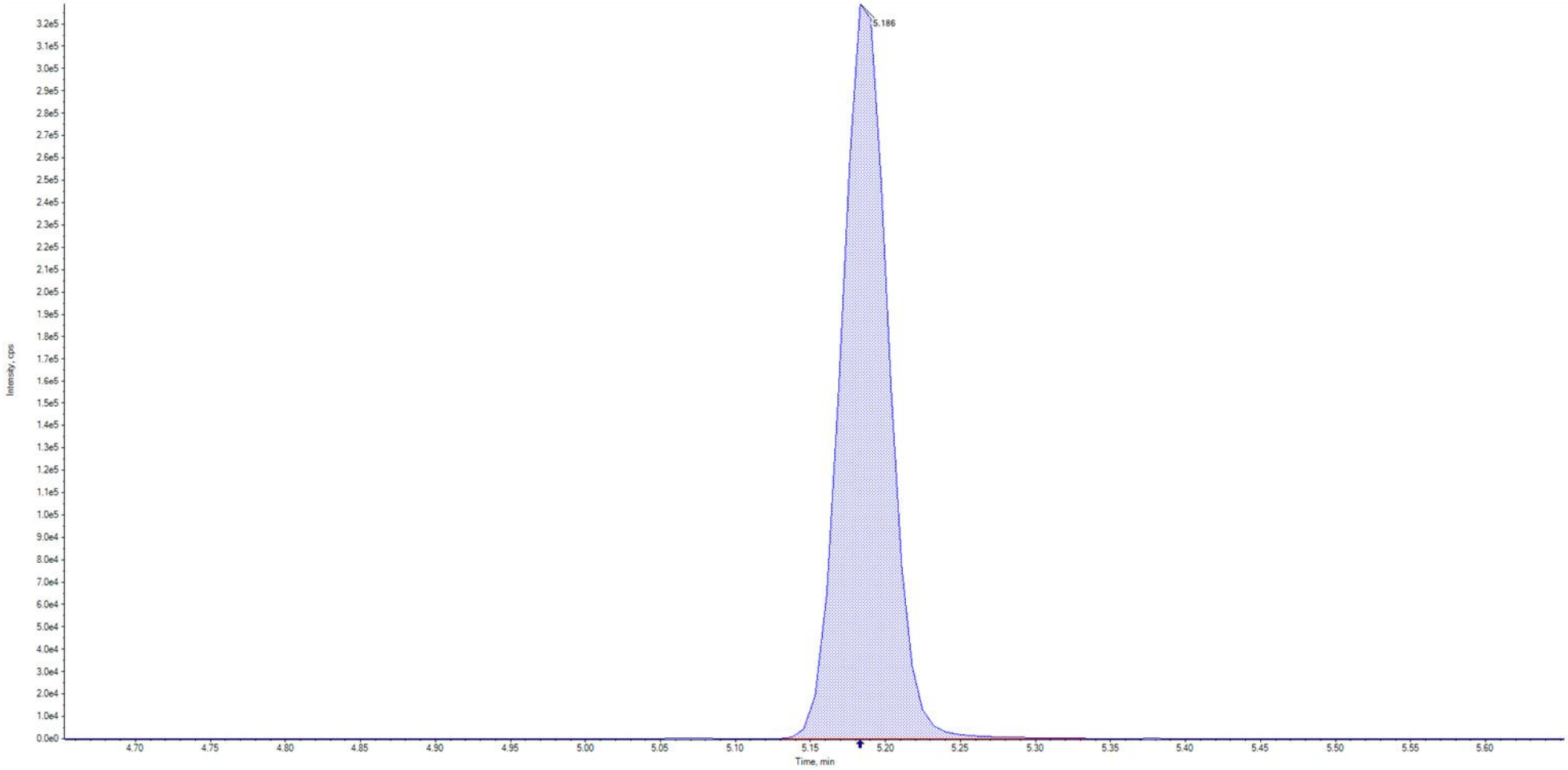


13C2-8:2FTS
Sample: WG2009822-3,INSTBLNK

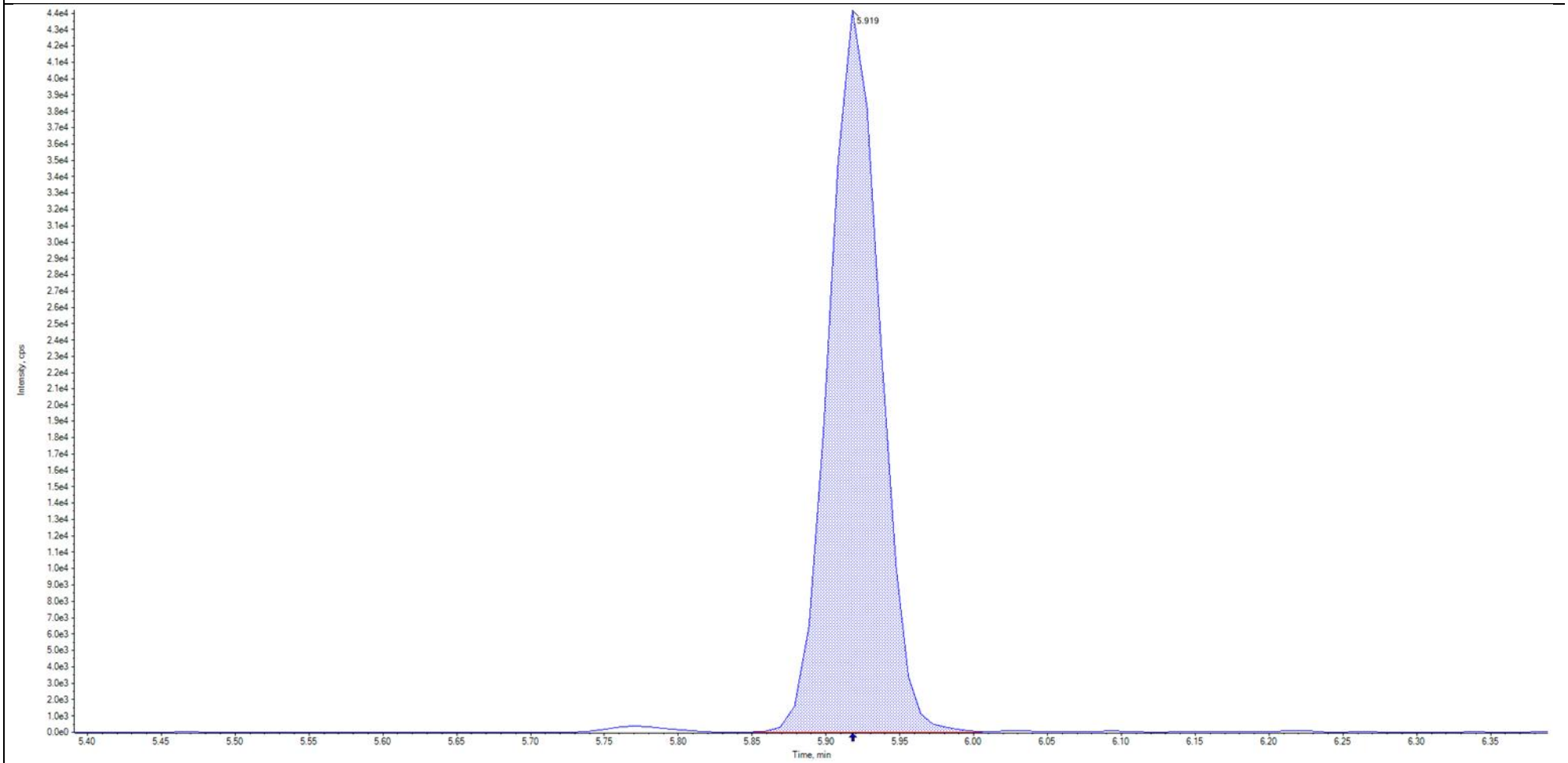


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
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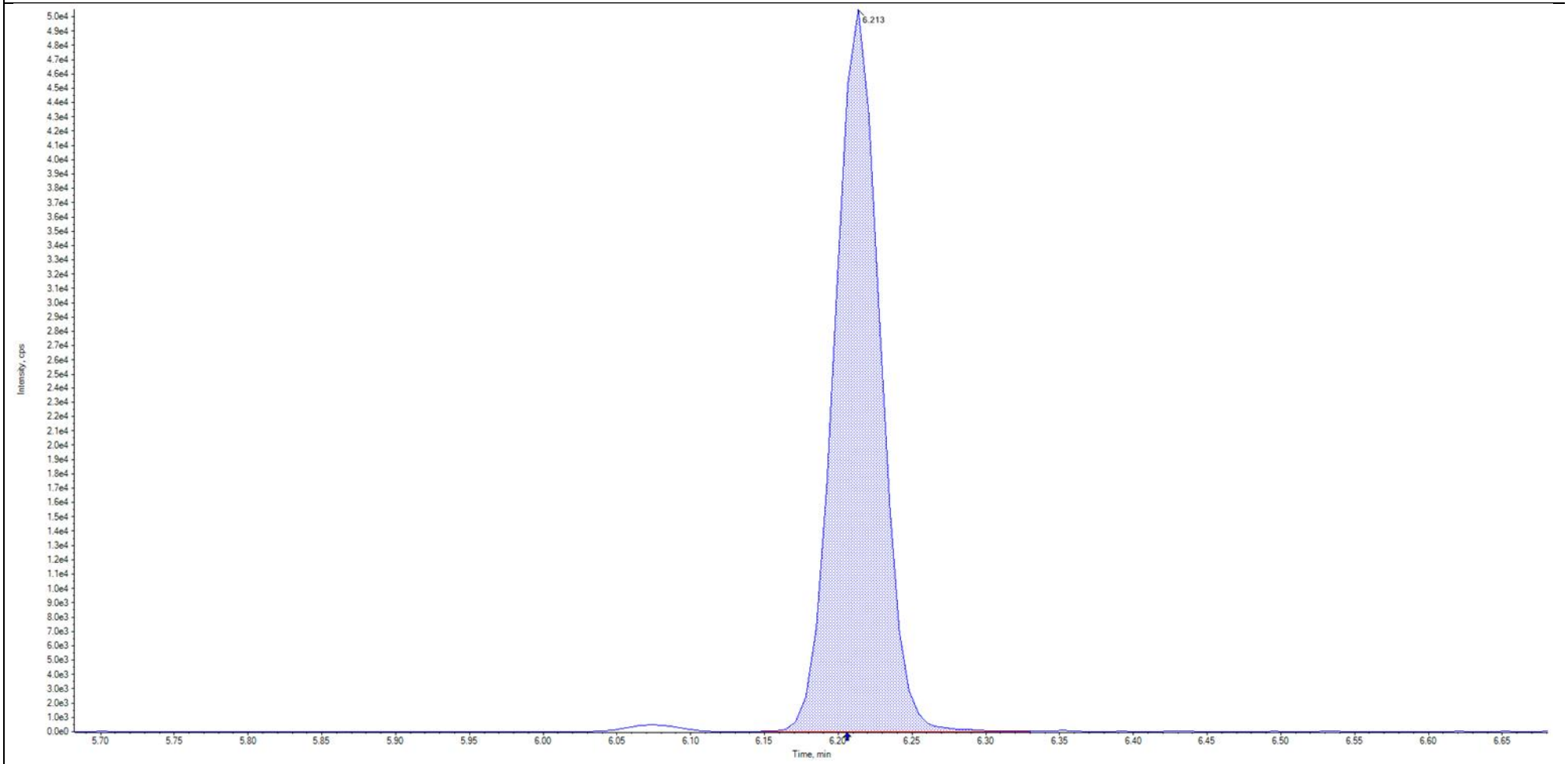
13C8-PFOSA
Sample: WG2009822-3,INSTBLNK



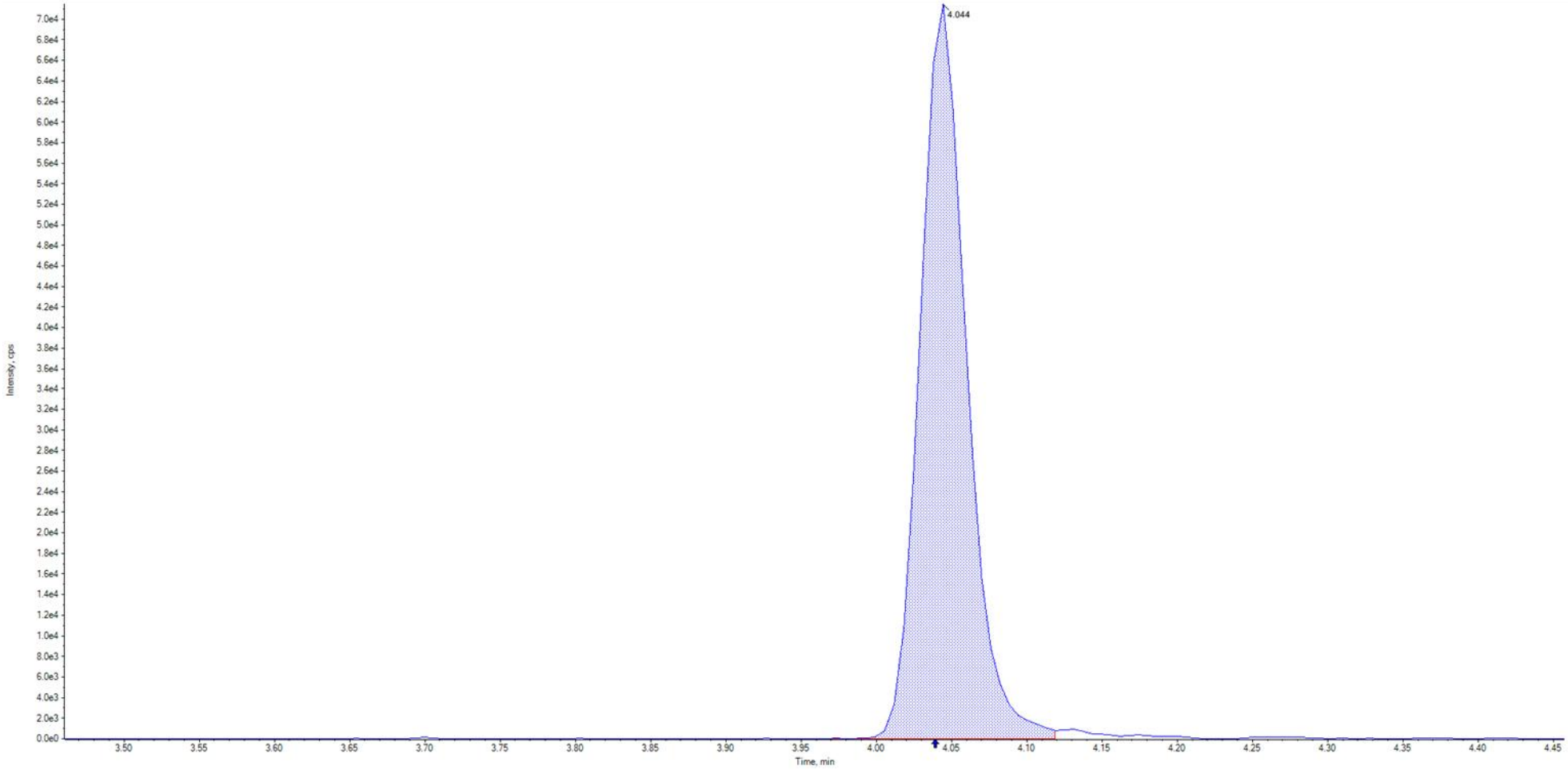
d3-NMeFOSA
Sample: WG2009822-3,INSTBLNK



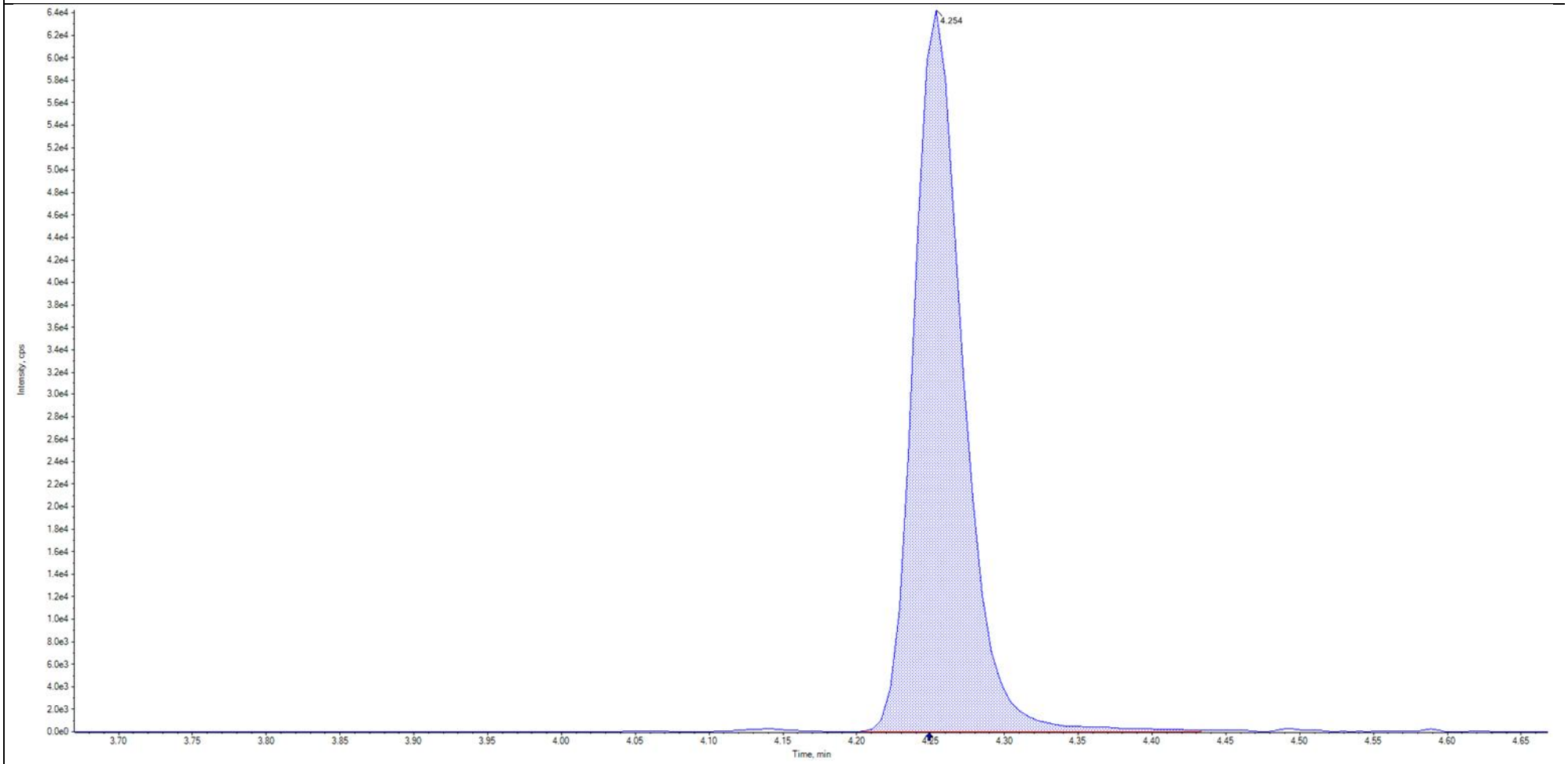
d5-NEtFOSA
Sample: WG2009822-3,INSTBLNK



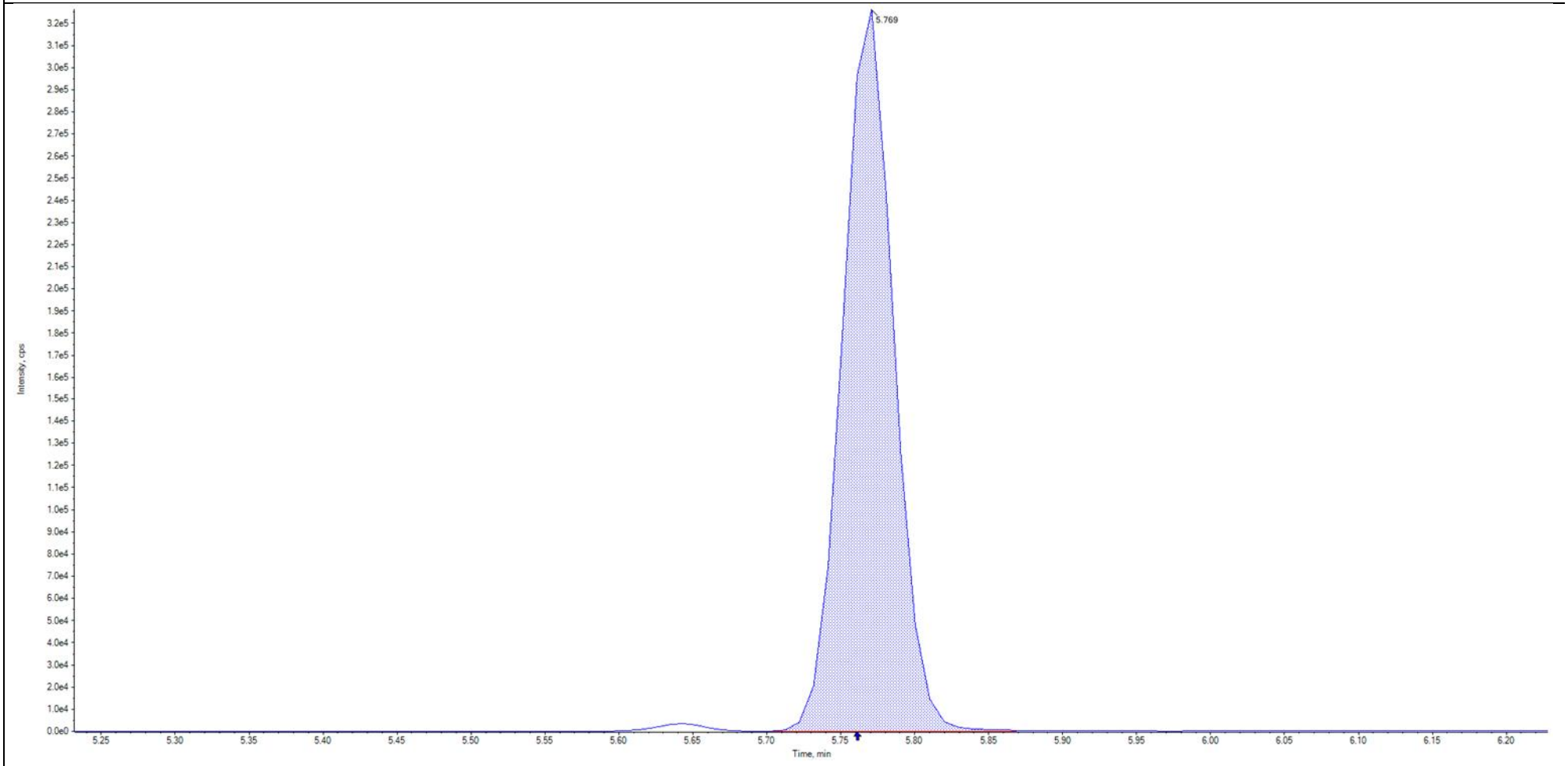
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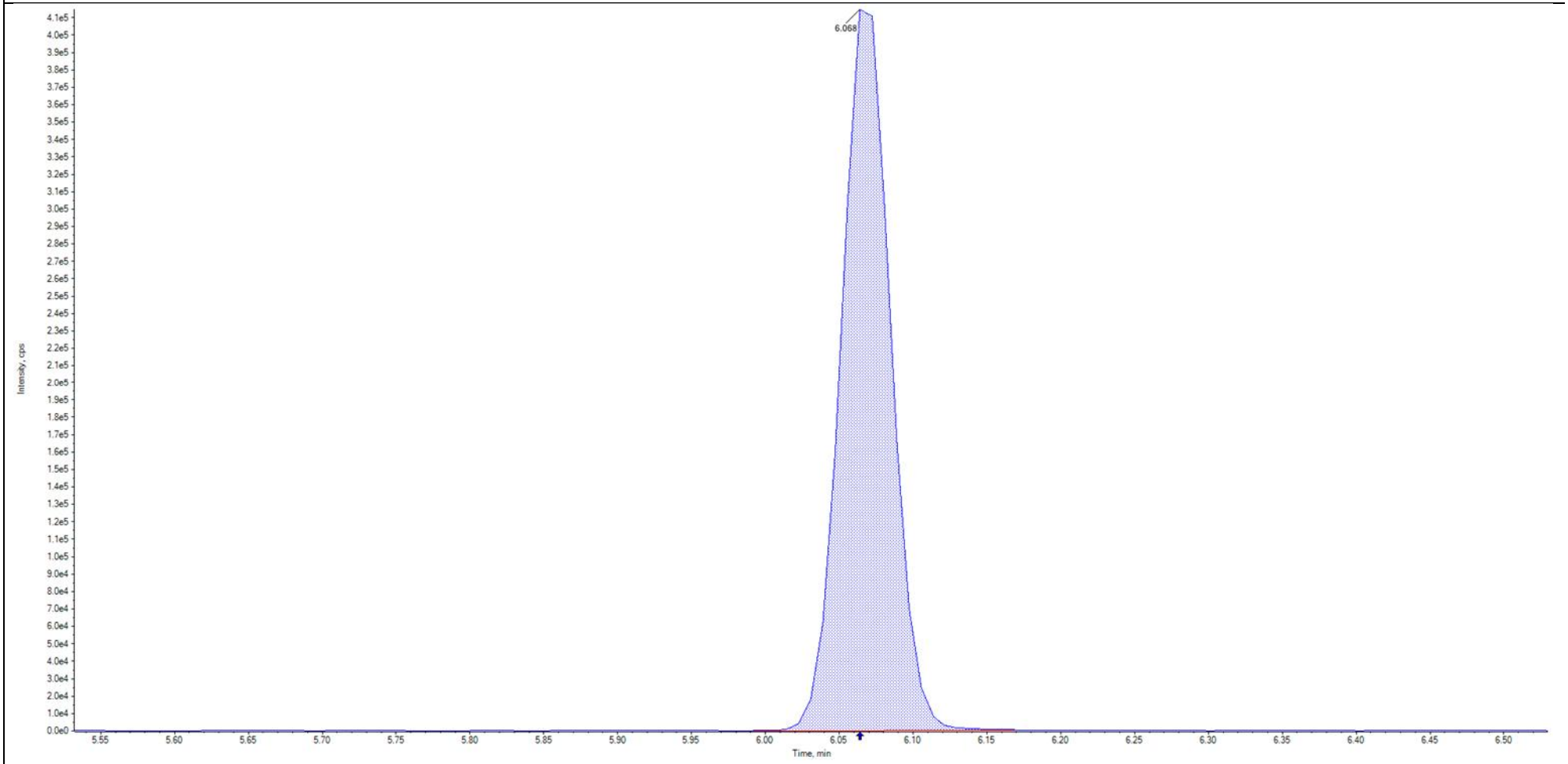
d5-NEtFOSAA
Sample: WG2009822-3,INSTBLNK



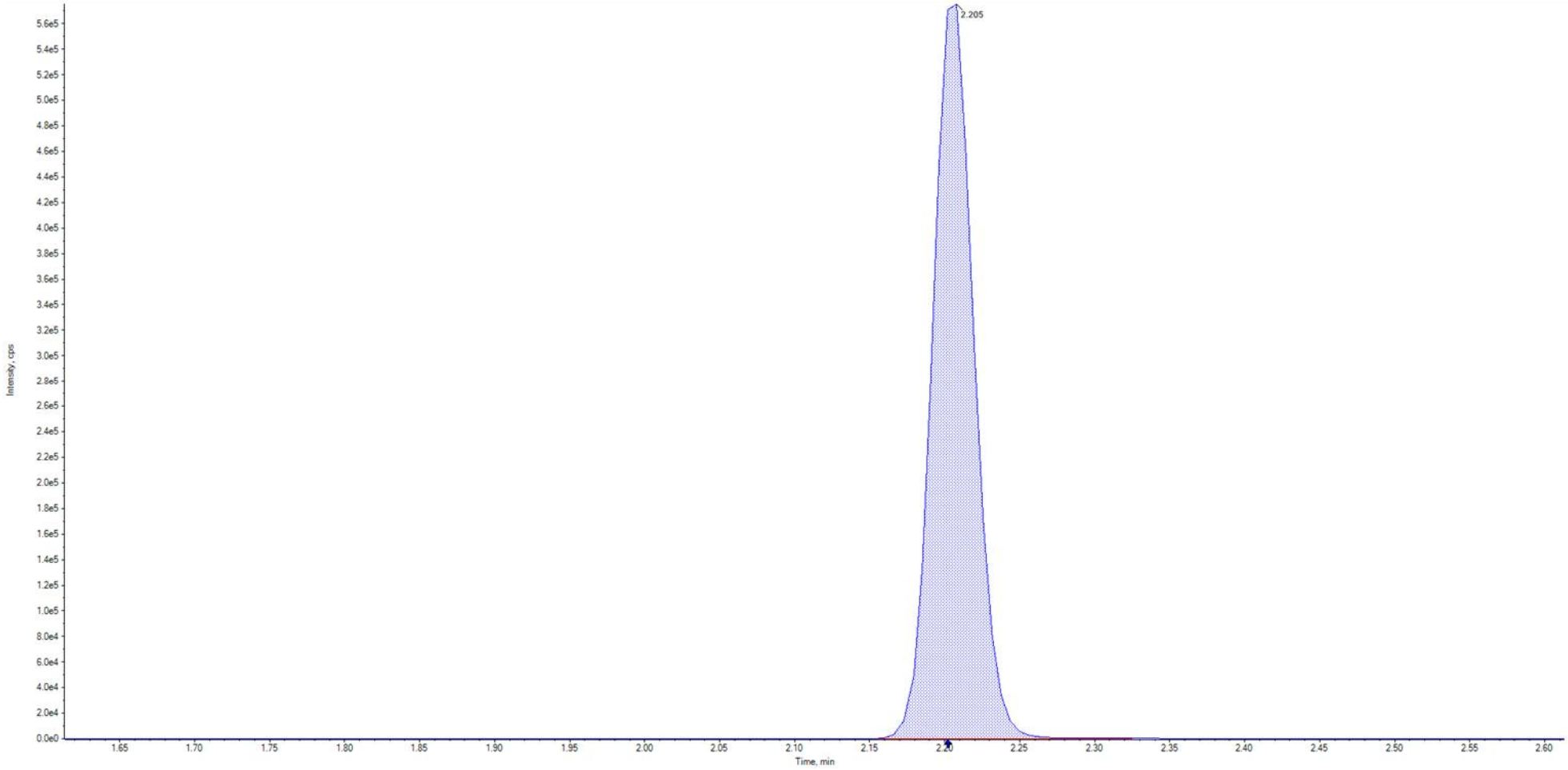
d7-NMeFOSE
Sample: WG2009822-3,INSTBLNK



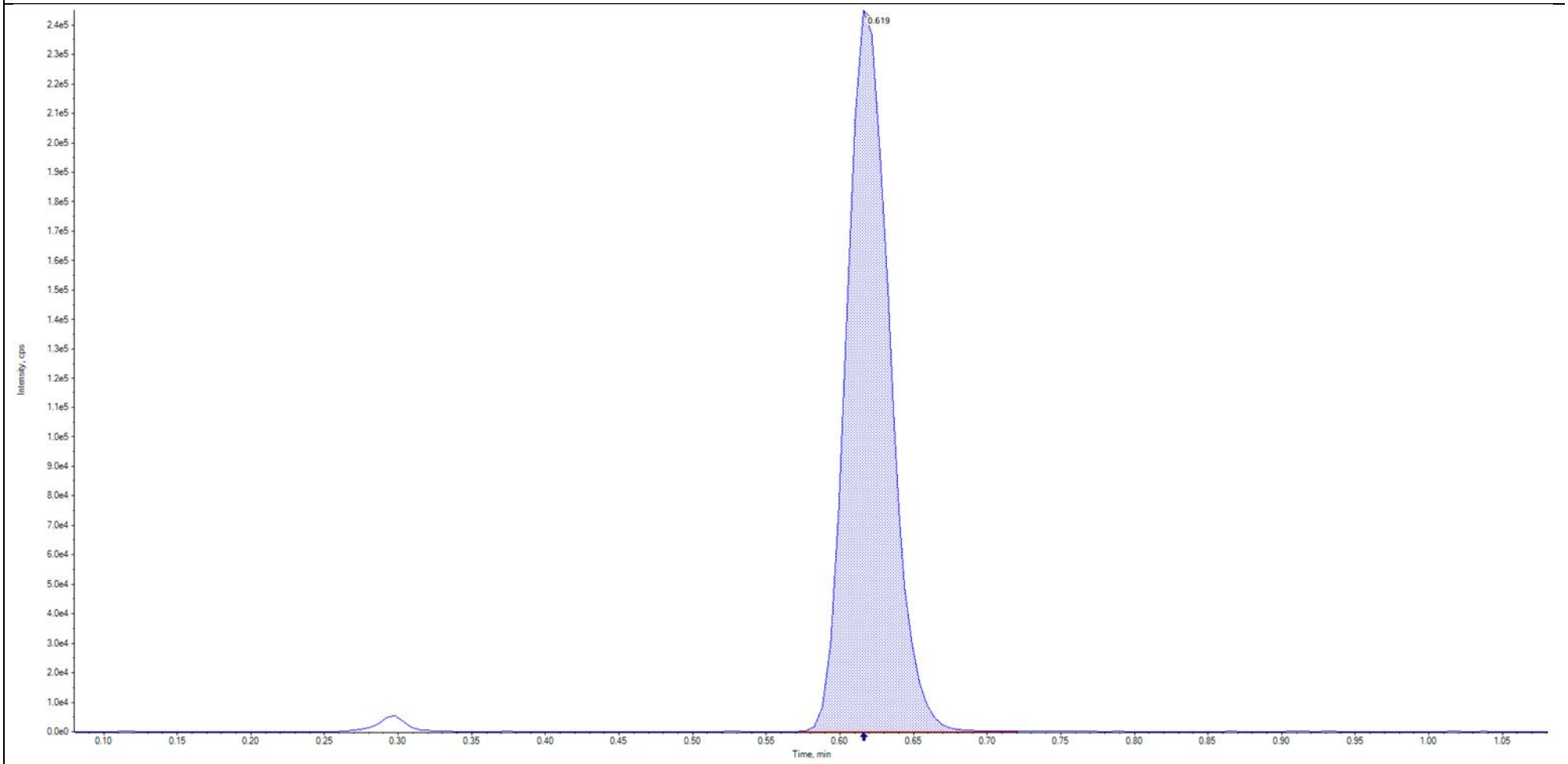
d9-NEtFOSE
Sample: WG2009822-3,INSTBLNK



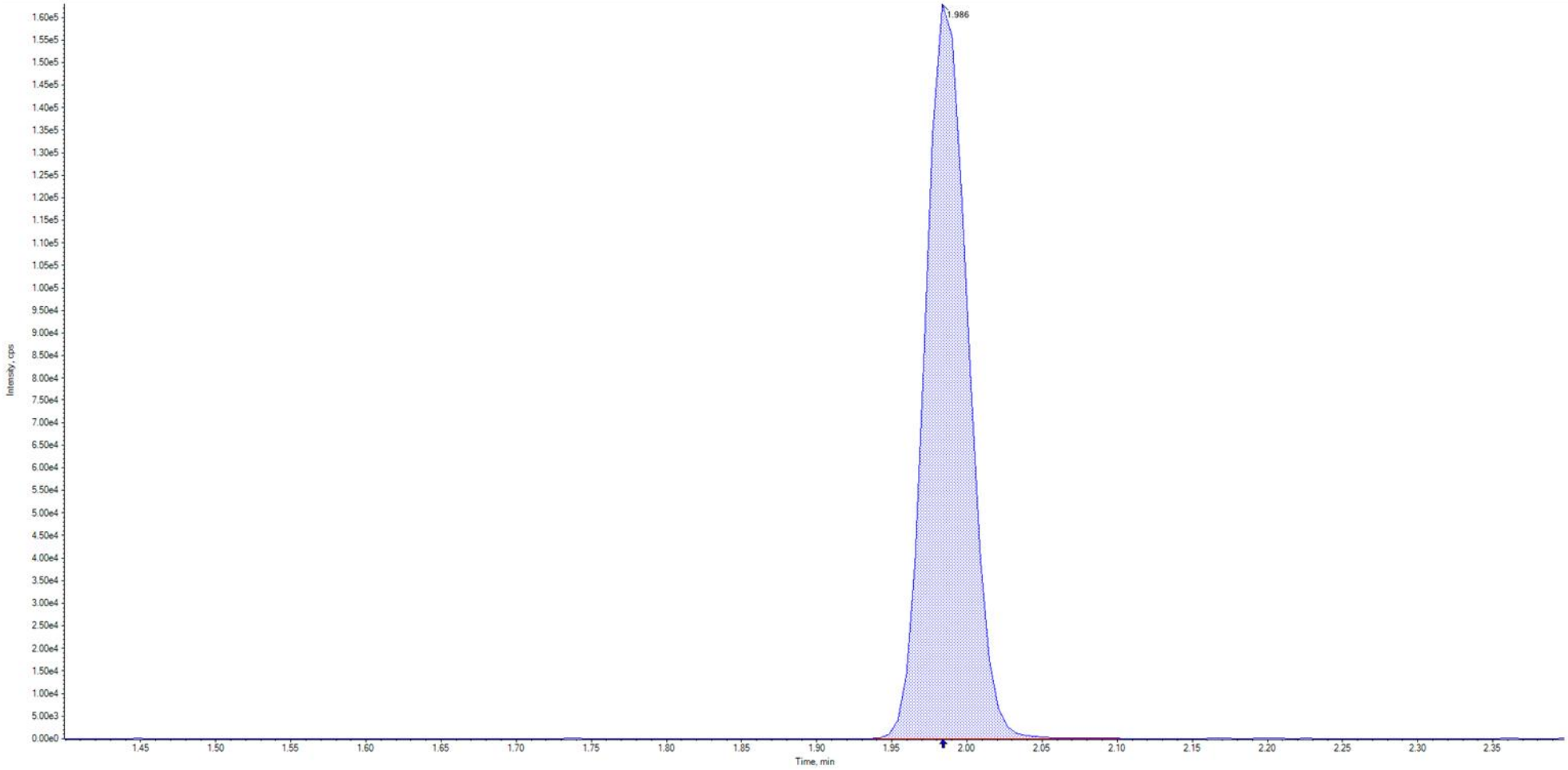
13C3-HFPO-DA
Sample: WG2009822-3,INSTBLNK



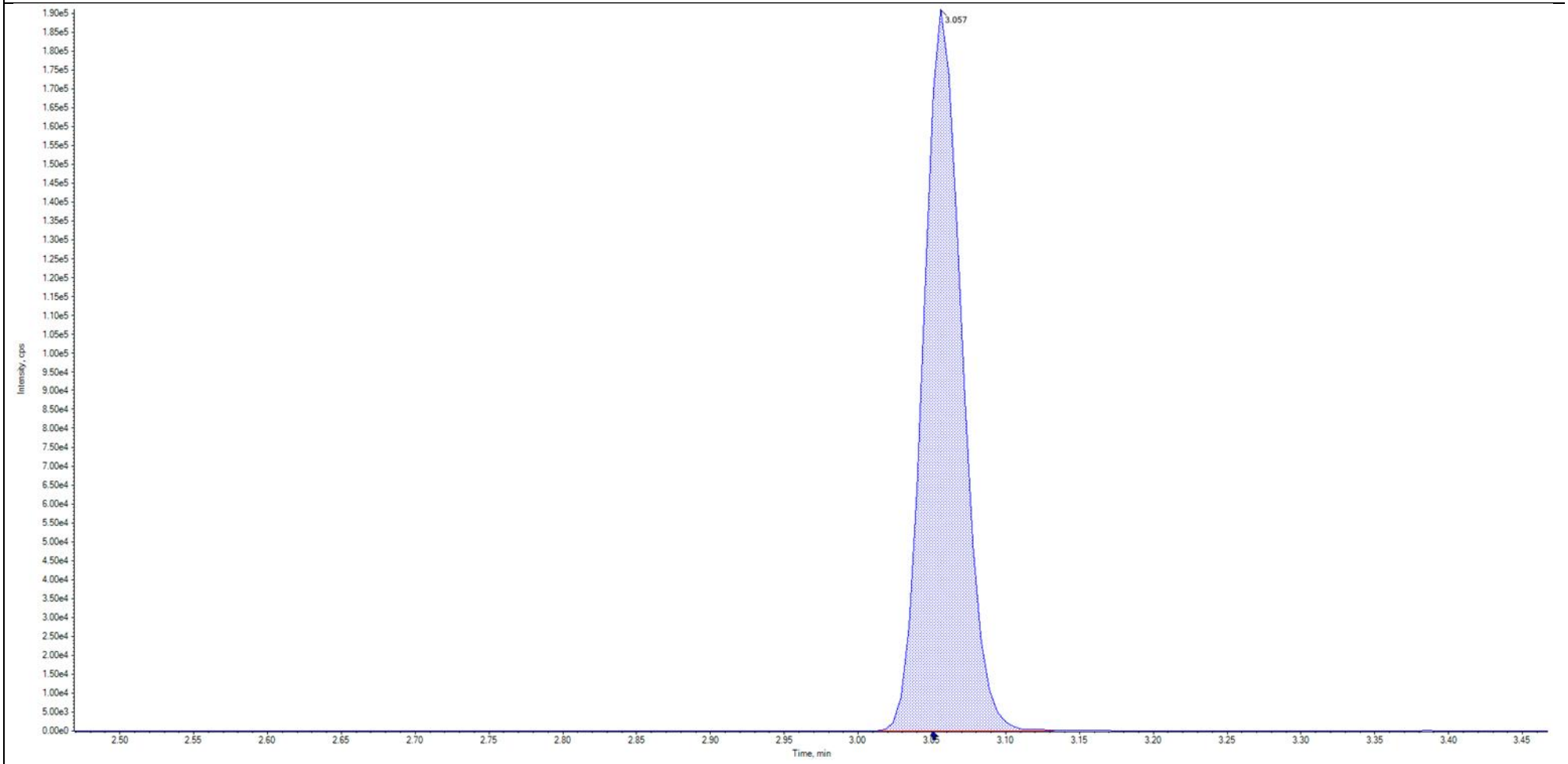
13C3-PFBA
Sample: WG2009822-3,INSTBLNK



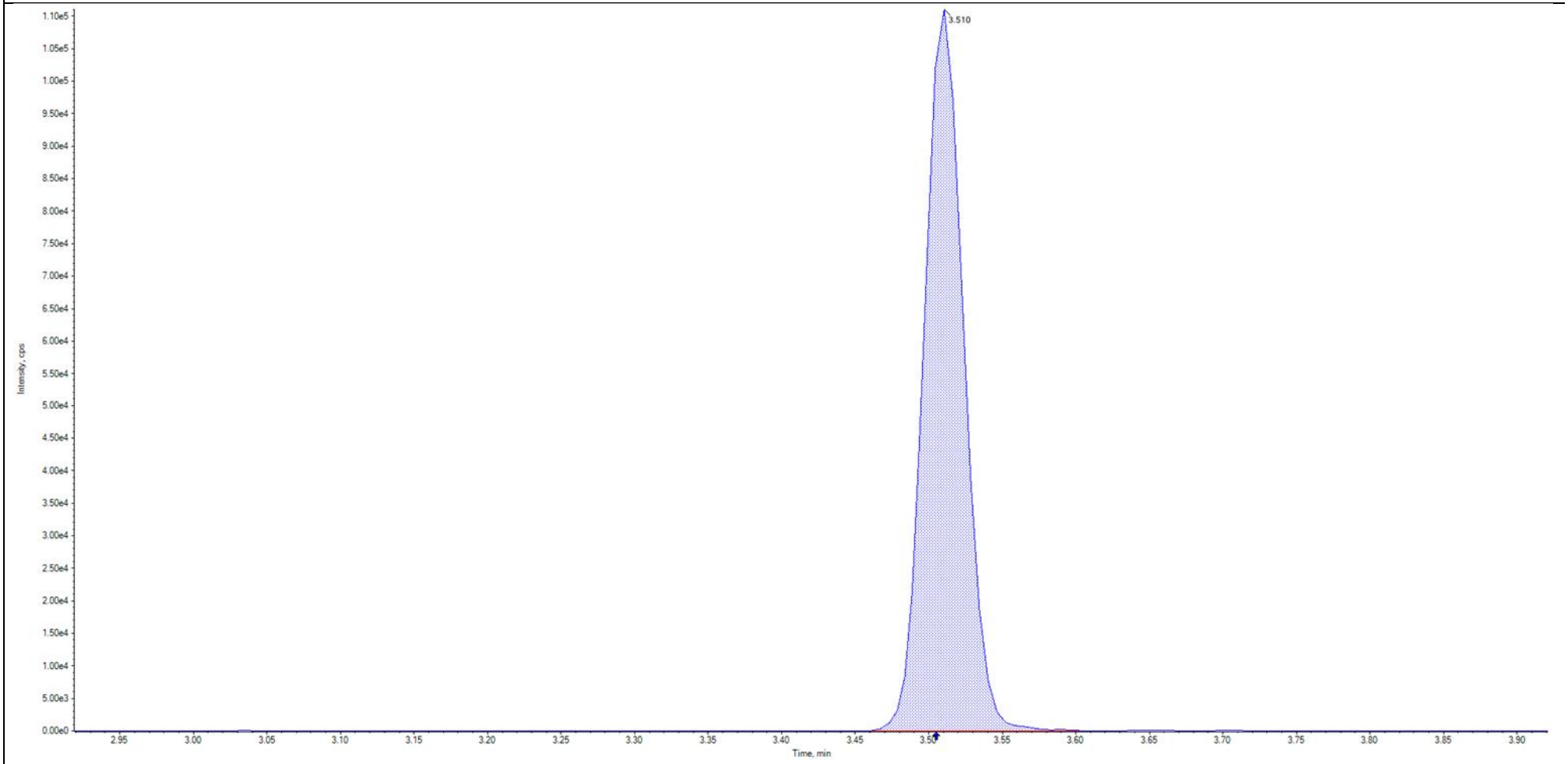
13C2-PFHxA
Sample: WG2009822-3,INSTBLNK



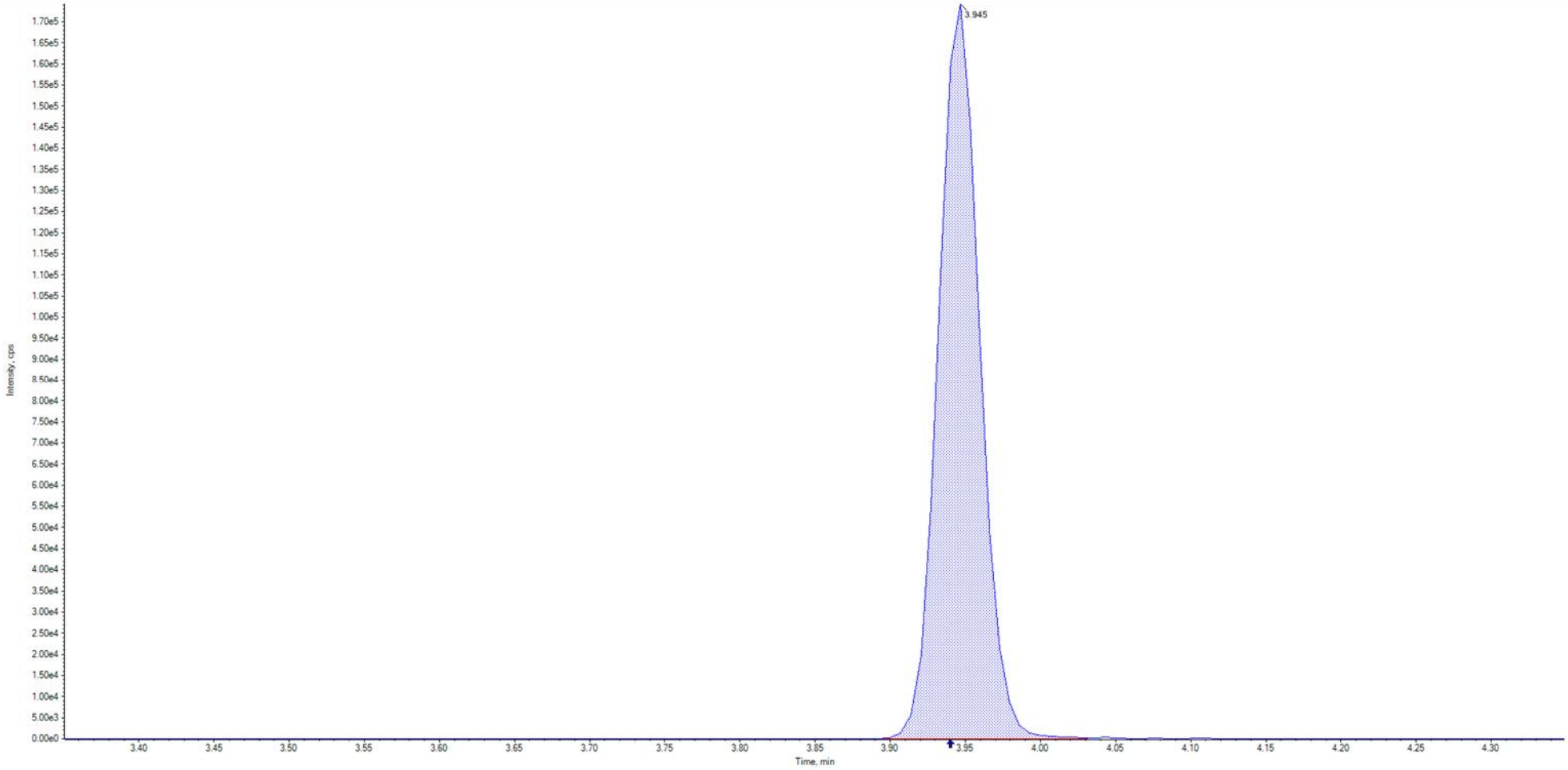
13C4-PFOA
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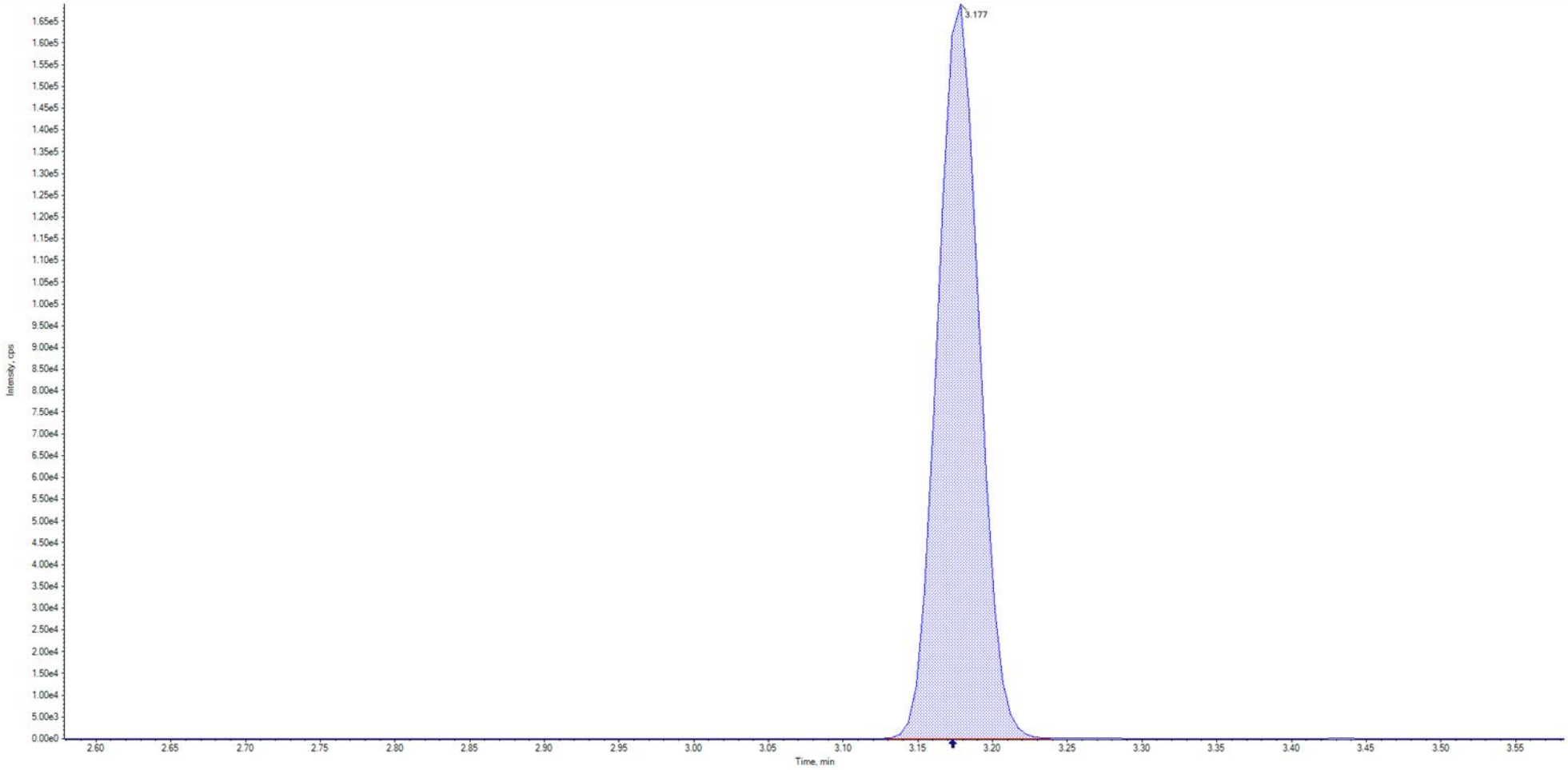
13C5-PFNA
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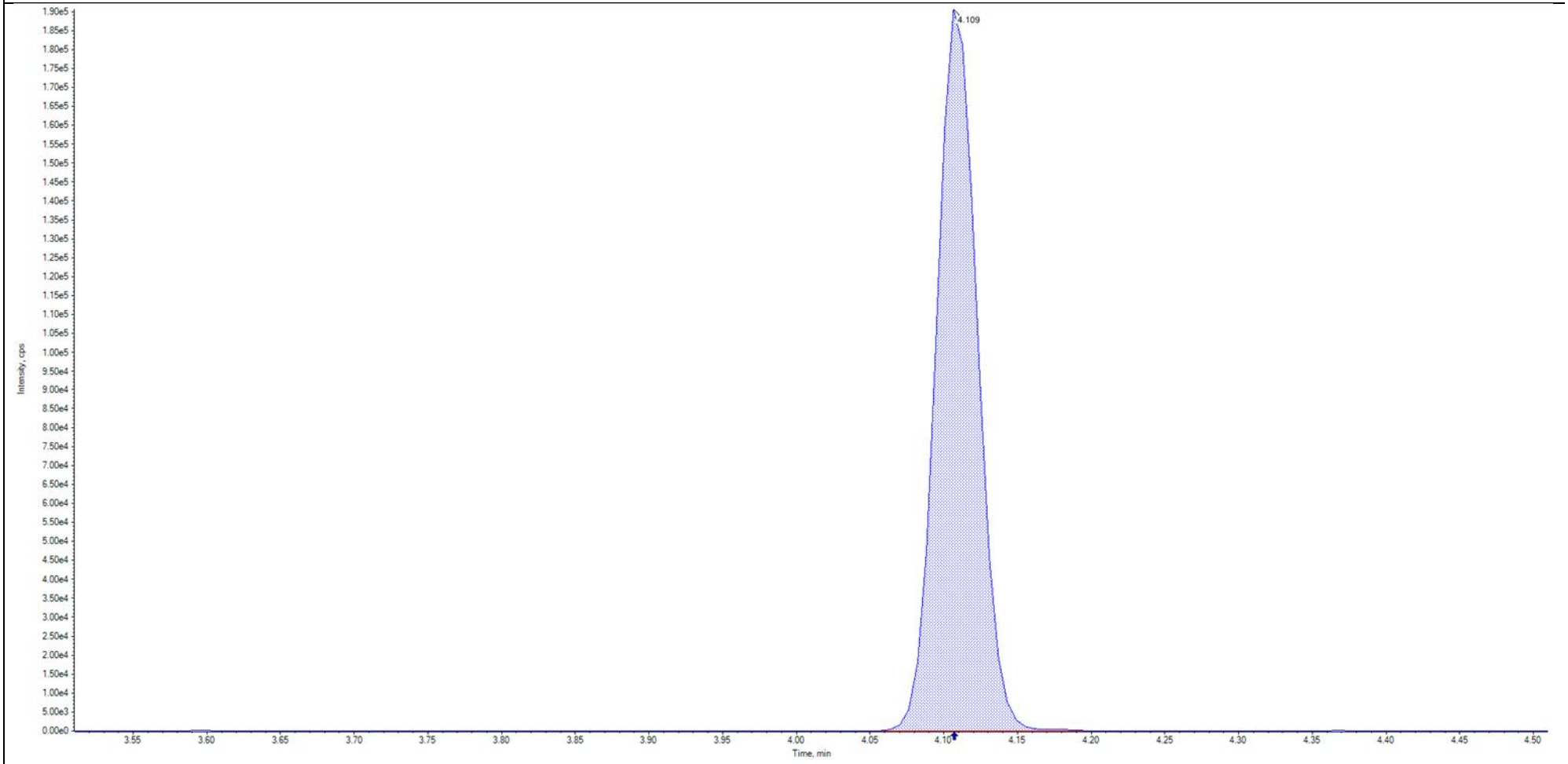
13C2-PFDA
Sample: WG2009822-3,INSTBLNK



18O2-PFHxS
Sample: WG2009822-3,INSTBLNK



13C4-PFOS
Sample: WG2009822-3,INSTBLNK



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Alpha Analytical LLC
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Method: EPA1633F.qmethod
Calibration: 241216_EPA1633_ICAL

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Instrument: SCIEX Triple Quad 5500+
User: LCMS08:JW

LC/MS-MS Method:EPA-1633F

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	0.62	213.0 / 169.0	967323		9.846	N/A	N/A	N/A	98.5
2	PFPeA	2706-90-3	1.23	263.0 / 219.0	895051		9.986	0.008	0.008	Pass	99.9
3	PFPeA_2	2706-90-3	1.23	263.0 / 68.9	7277		9.946	0.008	0.008	Pass	99.5
4	PFHxA	307-24-4	1.99	313.0 / 269.0	1187250		9.218	0.083	0.084	Pass	92.2
5	PFHxA_2	307-24-4	1.99	313.0 / 119.0	98943		9.600	0.083	0.084	Pass	96.0
6	PFHpA	375-85-9	2.57	363.1 / 319.0	1206348		9.999	0.415	0.404	Pass	100.0
7	PFHpA_2	375-85-9	2.57	363.1 / 169.0	500636		9.818	0.415	0.404	Pass	98.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	3.06	413.1 / 369.1	1121586	m5	9.214	0.498	0.562	Pass	92.1
9	PFOA_2	335-67-1	3.06	413.1 / 169.0	558778	m5	8.798	0.498	0.562	Pass	88.0
10	PFNA	375-95-1	3.51	462.8 / 418.9	1188769		11.652	0.357	0.464	Pass	116.5
11	PFNA_2	375-95-1	3.51	462.8 / 219.0	424155		9.132	0.357	0.464	Pass	91.3
12	PFDA	335-76-2	3.95	513.1 / 469.1	1869546		11.945	0.223	0.264	Pass	119.5
13	PFDA_2	335-76-2	3.95	513.1 / 219.0	416433		10.465	0.223	0.264	Pass	104.7
14	PFUnA	2058-94-8	4.37	563.1 / 519.1	1457189		9.739	0.200	0.204	Pass	97.4
15	PFUnA_2	2058-94-8	4.37	563.1 / 269.0	291789		9.408	0.200	0.204	Pass	94.1
16	PFDoA	307-55-1	4.78	613.1 / 569.1	1521730		8.771	0.198	0.194	Pass	87.7
17	PFDoA_2	307-55-1	4.78	613.1 / 319.0	300976		8.520	0.198	0.194	Pass	85.2
18	PFTrDA	72629-94-8	5.19	663.1 / 619.1	1791685		9.109	0.187	0.193	Pass	91.1
19	PFTrDA_2	72629-94-8	5.19	663.1 / 169.0	335604		9.164	0.187	0.193	Pass	91.6
20	PFTeDA	376-06-7	5.58	713.1 / 669.1	2149012		9.993	0.164	0.163	Pass	99.9
21	PFTeDA_2	376-06-7	5.58	713.1 / 169.0	351479		10.293	0.164	0.163	Pass	102.9
22	PFBS	375-73-5	2.00	299.1 / 80.1	1907806		10.620	0.335	0.353	Pass	106.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	2.00	299.1 / 99.1	639437		10.321	0.335	0.353	Pass	103.2
24	PFPeS	2706-91-4	2.64	349.1 / 80.1	1757490		9.832	0.292	0.294	Pass	98.3
25	PFPeS_2	2706-91-4	2.64	349.1 / 99.1	512612		10.346	0.292	0.294	Pass	103.5
26	PFHxS	355-46-4	3.18	399.1 / 80.1	1710275	m5	10.417	0.276	0.292	Pass	104.2
27	PFHxS_2	355-46-4	3.18	399.1 / 99.1	471188	m5	9.826	0.276	0.292	Pass	98.3
28	PFHpS	375-92-8	3.66	449.1 / 80.1	1574717		9.771	0.269	0.274	Pass	97.7
29	PFHpS_2	375-92-8	3.66	449.1 / 99.1	423116		9.936	0.269	0.274	Pass	99.4
30	PFOS	1763-23-1	4.11	499.1 / 80.1	2036046	m5	9.628	0.202	0.223	Pass	96.3
31	PFOS_2	1763-23-1	4.11	499.1 / 99.1	410858	m5	9.243	0.202	0.223	Pass	92.4
32	PFNS	68259-12-1	4.54	549.1 / 80.1	1897823		10.319	0.276	0.281	Pass	103.2
33	PFNS_2	68259-12-1	4.54	549.1 / 99.1	523182		10.170	0.276	0.281	Pass	101.7
34	PFDS	335-77-3	4.96	599.1 / 80.1	2088086		10.709	0.260	0.267	Pass	107.1
35	PFDS_2	335-77-3	4.96	599.1 / 99.1	543320		10.467	0.260	0.267	Pass	104.7
36	PFDoS	79780-39-5	5.74	699.2 / 80.1	2208307		10.463	0.221	0.225	Pass	104.6
37	PFDoS_2	79780-39-5	5.74	699.2 / 99.1	488960		10.374	0.221	0.225	Pass	103.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	1.77	327.1 / 307.1	268165		9.416	0.684	0.637	Pass	94.2
39	4:2FTS_2	757124-72-4	1.77	327.1 / 81.1	183400		9.781	0.684	0.637	Pass	97.8
40	6:2FTS	27619-97-2	2.86	427.2 / 407.2	278630		10.295	0.586	0.571	Pass	103.0
41	6:2FTS_2	27619-97-2	2.86	427.2 / 81.1	163364		9.814	0.586	0.571	Pass	98.1
42	8:2FTS	39108-34-4	3.75	527.2 / 507.2	272150		11.509	0.784	0.758	Pass	115.1
43	8:2FTS_2	39108-34-4	3.75	527.2 / 81.1	213448		11.602	0.784	0.758	Pass	116.0
44	PFOSA	754-91-6	5.19	498.1 / 78.1	2287887	m5	9.843	0.022	0.023	Pass	98.4
45	PFOSA_2	754-91-6	5.19	498.1 / 478.0	50875	m5	8.500	0.022	0.023	Pass	85.0
46	NMeFOSA	31506-32-8	5.93	512.2 / 219.0	445448	m5	8.389	1.122	1.447	Pass	83.9
47	NMeFOSA_2	31506-32-8	5.93	512.2 / 169.0	499905	m5	6.478	1.122	1.447	Pass	64.8
48	NEtFOSA	4151-50-2	6.22	526.2 / 219.0	492801	m5	9.546	1.055	1.299	Pass	95.5
49	NEtFOSA_2	4151-50-2	6.22	526.2 / 169.0	519780	m5	7.708	1.055	1.299	Pass	77.1
50	NMeFOSAA	2355-31-9	4.05	570.2 / 419.1	328707	m5	11.084	0.632	0.605	Pass	110.8
51	NMeFOSAA_2	2355-31-9	4.05	570.2 / 483.0	207715		11.472	0.632	0.605	Pass	114.7
52	NEtFOSAA	2991-50-6	4.26	584.2 / 419.1	320893	m5	10.020	0.523	0.518	Pass	100.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	4.26	584.2 / 526.2	167885	m5	10.518	0.523	0.518	Pass	105.2
54	NMeFOSE	24448-09-7	5.79	616.1 / 58.9	775321		10.369	N/A	N/A	N/A	103.7
55	NEtFOSE	1691-99-2	6.09	630.0 / 58.9	1002875		10.486	N/A	N/A	N/A	104.9
56	HFPO-DA	13252-13-6	2.21	285.0 / 169.0	1187597		10.293	0.486	0.474	Pass	102.9
57	HFPO-DA_2	13252-13-6	2.21	285.0 / 184.9	577660		10.561	0.486	0.474	Pass	105.6
58	ADONA	919005-14-4	2.75	376.9 / 251.0	2432204		11.510	0.720	0.740	Pass	115.1
59	ADONA_2	919005-14-4	2.75	376.9 / 84.8	1750081		11.608	0.720	0.740	Pass	116.1
60	9Cl-PF3ONS	756426-58-1	4.41	530.8 / 351.1	3603093		11.027	0.339	0.340	Pass	110.3
61	9Cl-PF3ONS_2	756426-58-1	4.41	532.8 / 353.0	1223248		11.133	0.339	0.340	Pass	111.3
62	11Cl-PF3OUdS	763051-92-9	5.24	630.9 / 451.0	3938527		11.469	0.332	0.328	Pass	114.7
63	11Cl-PF3OUdS_2	763051-92-9	5.24	632.9 / 452.9	1307016		11.444	0.332	0.328	Pass	114.4
64	3:3FTCA	356-02-5	1.57	241.1 / 177.1	73186		9.259	1.024	0.996	Pass	92.6
65	3:3FTCA_2	356-02-5	1.57	241.1 / 117.0	74938		9.751	1.024	0.996	Pass	97.5
66	5:3FTCA	914637-49-3	3.01	341.1 / 237.1	347007		11.300	1.045	1.037	Pass	113.0
67	5:3FTCA_2	914637-49-3	3.01	341.1 / 217.0	362478		11.385	1.045	1.037	Pass	113.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	4.04	441.1 / 316.9	321230		10.435	1.163	1.181	Pass	104.4
69	7:3FTCA_2	812-70-4	4.04	441.1 / 337.1	373671		10.639	1.163	1.181	Pass	106.4
70	PFEESA	113507-82-7	2.31	315.1 / 135.0	4138849		9.123	0.081	0.078	Pass	91.2
71	PFEESA_2	113507-82-7	2.31	315.1 / 82.9	334065		8.939	0.081	0.078	Pass	89.4
72	PFMPA	377-73-1	0.79	229.0 / 85.0	999902		8.772	N/A	N/A	N/A	87.7
73	PFMBA	863090-89-5	1.49	279.0 / 85.0	1234785		9.298	N/A	N/A	N/A	93.0
74	NFDHA	151772-58-6	1.91	295.0 / 201.0	581123		10.694	0.761	0.765	Pass	106.9
75	NFDHA_2	151772-58-6	1.91	295.0 / 84.9	442134		10.451	0.761	0.765	Pass	104.5
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	5.845	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	5.845	N/A	N/A
78	13C2D4-4:2FTS	Surr	1.76	333.2 / 312.1	131759		5.278	N/A	N/A	N/A	105.6
79	13C2-PFOA	Surr	3.05	415.0 / 370.0	425390		2.626	N/A	N/A	N/A	105.0

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	0.62	217.0 / 172.0	1187774		9.855	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	1.22	268.0 / 223.0	497127		5.017	NA	NA	NA	100.3
	13C5-PFHxA	EIS	1.99	318.0 / 273.0	304095		2.478	NA	NA	NA	99.1
	13C4-PFHpA	EIS	2.56	367.0 / 322.0	354609		2.290	NA	NA	NA	91.6
	13C8-PFOA	EIS	3.05	420.8 / 376.0	436649		2.382	NA	NA	NA	95.3
	13C9-PFNA	EIS	3.50	472.0 / 427.0	211812		1.185	NA	NA	NA	94.8
	13C6-PFDA	EIS	3.94	519.0 / 474.0	303081		1.126	NA	NA	NA	90.0
	13C7-PFUnA	EIS	4.36	570.0 / 525.0	289415		1.012	NA	NA	NA	80.9

	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	242801		1.031	NA	NA	NA	82.5
	13C2-PFTeDA	EIS	5.57	715.1 / 670.1	274738		0.994	NA	NA	NA	79.5
	13C3-PFBS	EIS	2.00	302.1 / 80.1	444086		2.249	NA	NA	NA	96.5
	13C3-PFHxS	EIS	3.17	402.1 / 80.1	401334		2.397	NA	NA	NA	101.1
	13C8-PFOS	EIS	4.10	507.1 / 80.1	495645		2.383	NA	NA	NA	99.3
	13C2-4:2FTS	EIS	1.76	329.1 / 81.1	84514		4.538	NA	NA	NA	96.8
	13C2-6:2FTS	EIS	2.86	429.2 / 81.1	82045		4.622	NA	NA	NA	97.1
	13C2-8:2FTS	EIS	3.74	529.2 / 81.1	104218		4.165	NA	NA	NA	86.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	5.18	506.1 / 78.1	730767		2.446	NA	NA	NA	97.8
	d3-NMeFOSA	EIS	5.92	515.2 / 219.0	119259		2.547	NA	NA	NA	101.9
	d5-NEtFOSA	EIS	6.21	531.2 / 219.0	113490		2.449	NA	NA	NA	97.9
	d3-NMeFOSAA	EIS	4.04	573.2 / 419.1	168707		4.507	NA	NA	NA	90.1
	d5-NEtFOSAA	EIS	4.25	589.3 / 419.1	156381		4.984	NA	NA	NA	99.7
	d7-NMeFOSE	EIS	5.77	623.2 / 58.9	852640		25.371	NA	NA	NA	101.5
	d9-NEtFOSE	EIS	6.06	639.2 / 58.9	1051618		25.297	NA	NA	NA	101.2

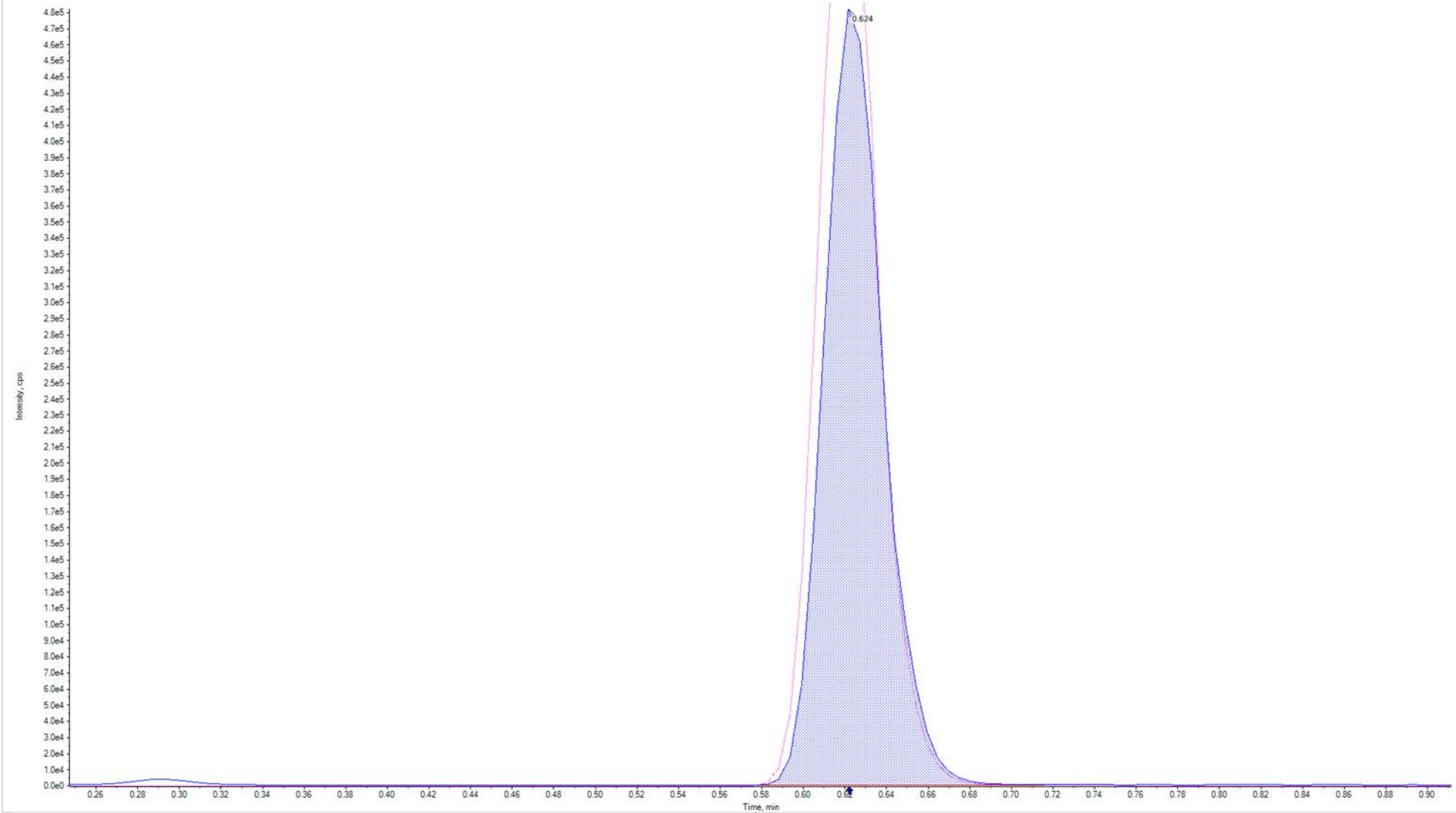
	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	2.20	287.0 / 169.0	1213143		10.772	NA	NA	NA	107.7
	13C3-PFBA	NIS	0.62	216.0 / 172.0	529105		5.361	NA	NA	NA	107.2
	13C2-PFHxA	NIS	1.99	315.0 / 270.0	328139		2.399	NA	NA	NA	96.0
	13C4-PFOA	NIS	3.05	417.0 / 372.0	355584		2.436	NA	NA	NA	97.4
	13C5-PFNA	NIS	3.50	468.0 / 423.0	225027		1.212	NA	NA	NA	97.0
	13C2-PFDA	NIS	3.94	515.1 / 470.1	323346		1.420	NA	NA	NA	113.6
	18O2-PFHxS	NIS	3.17	403.1 / 84.1	344808		2.255	NA	NA	NA	95.1
	13C4-PFOS	NIS	4.10	503.1 / 80.1	382261		2.248	NA	NA	NA	93.6

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

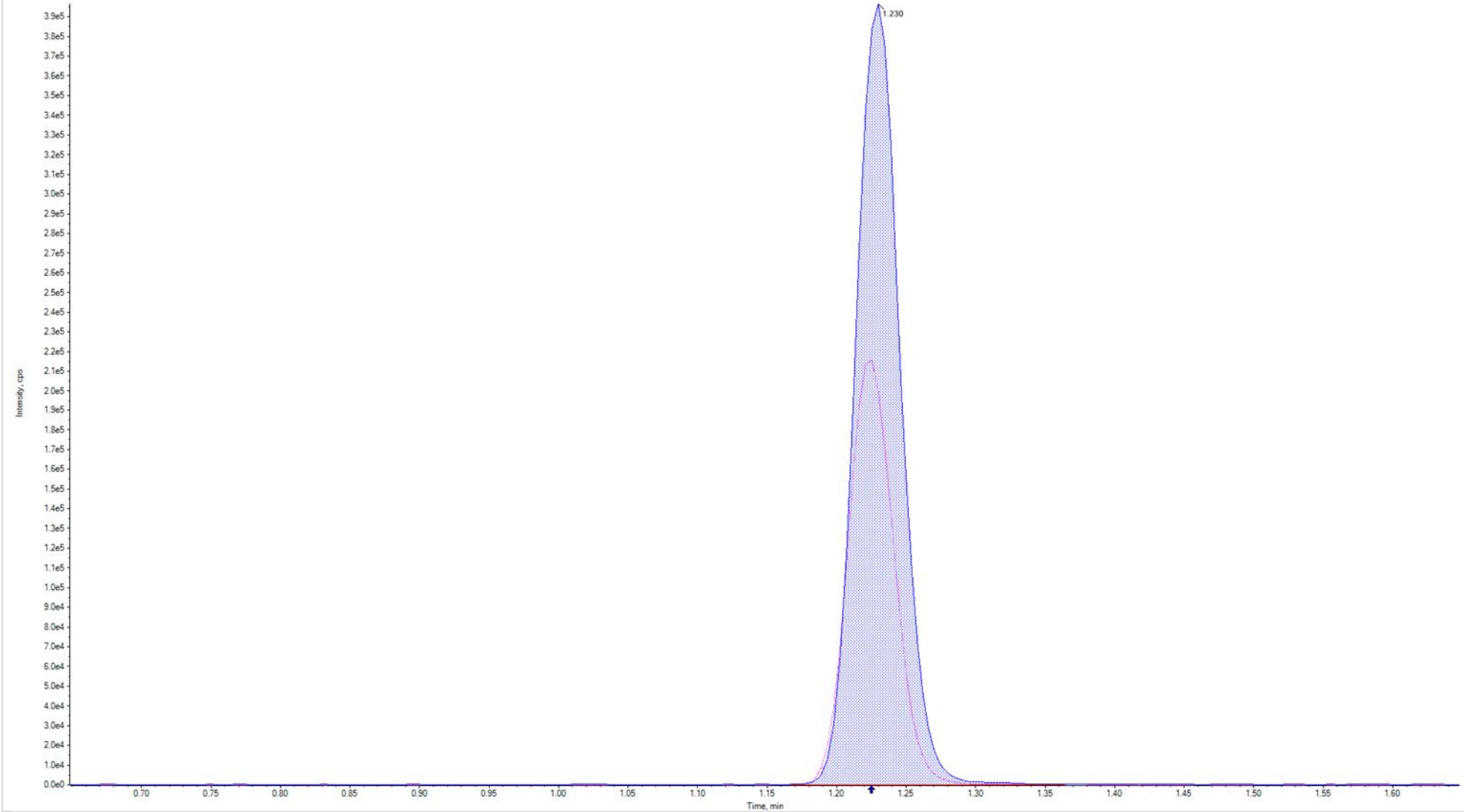
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PFBA
Sample: CA1633STD-10 S/N:1326.4 Points Across peak:31



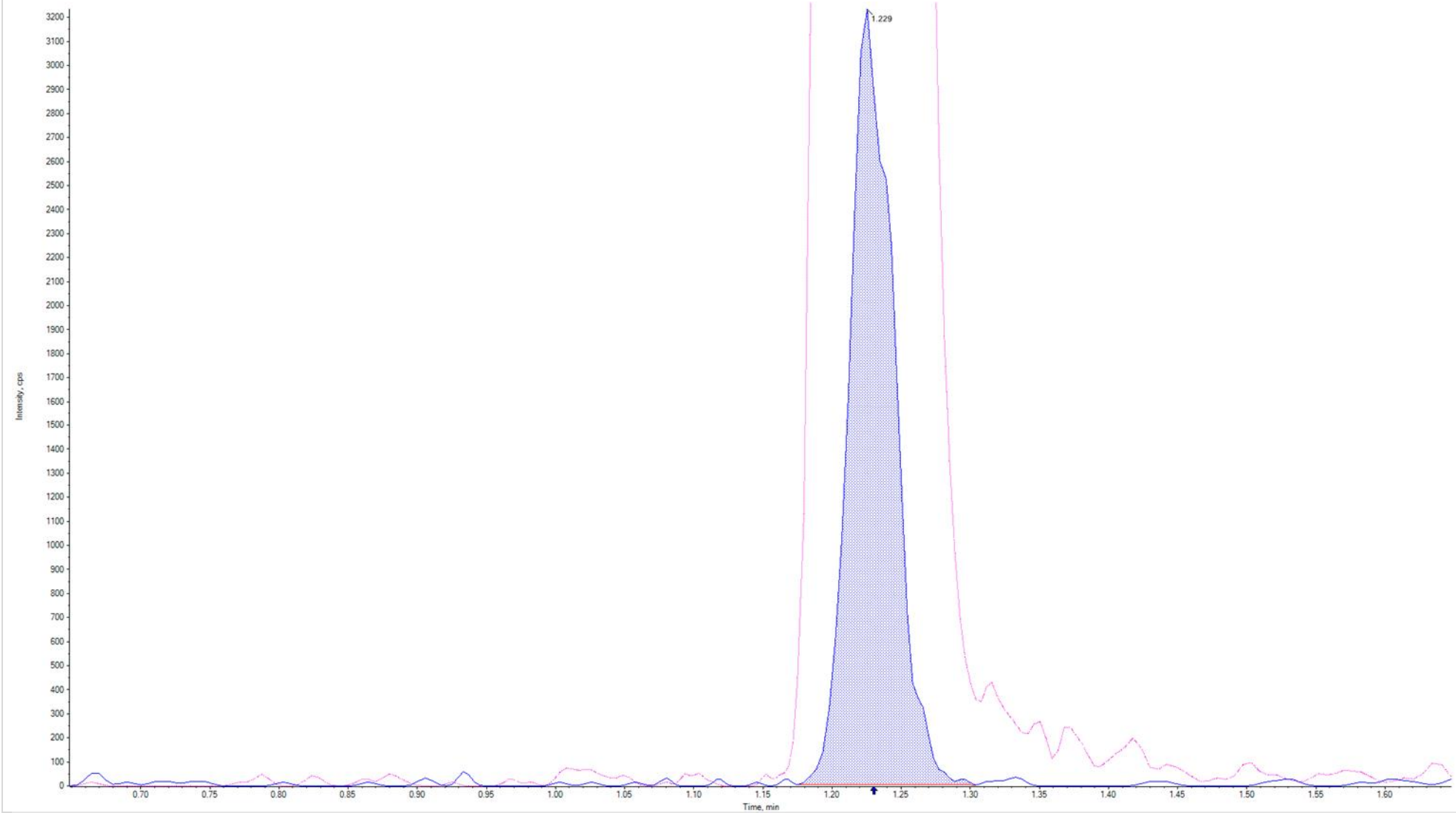
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PFPeA
Sample: CA1633STD-10 S/N:6060.3 Points Across peak:51



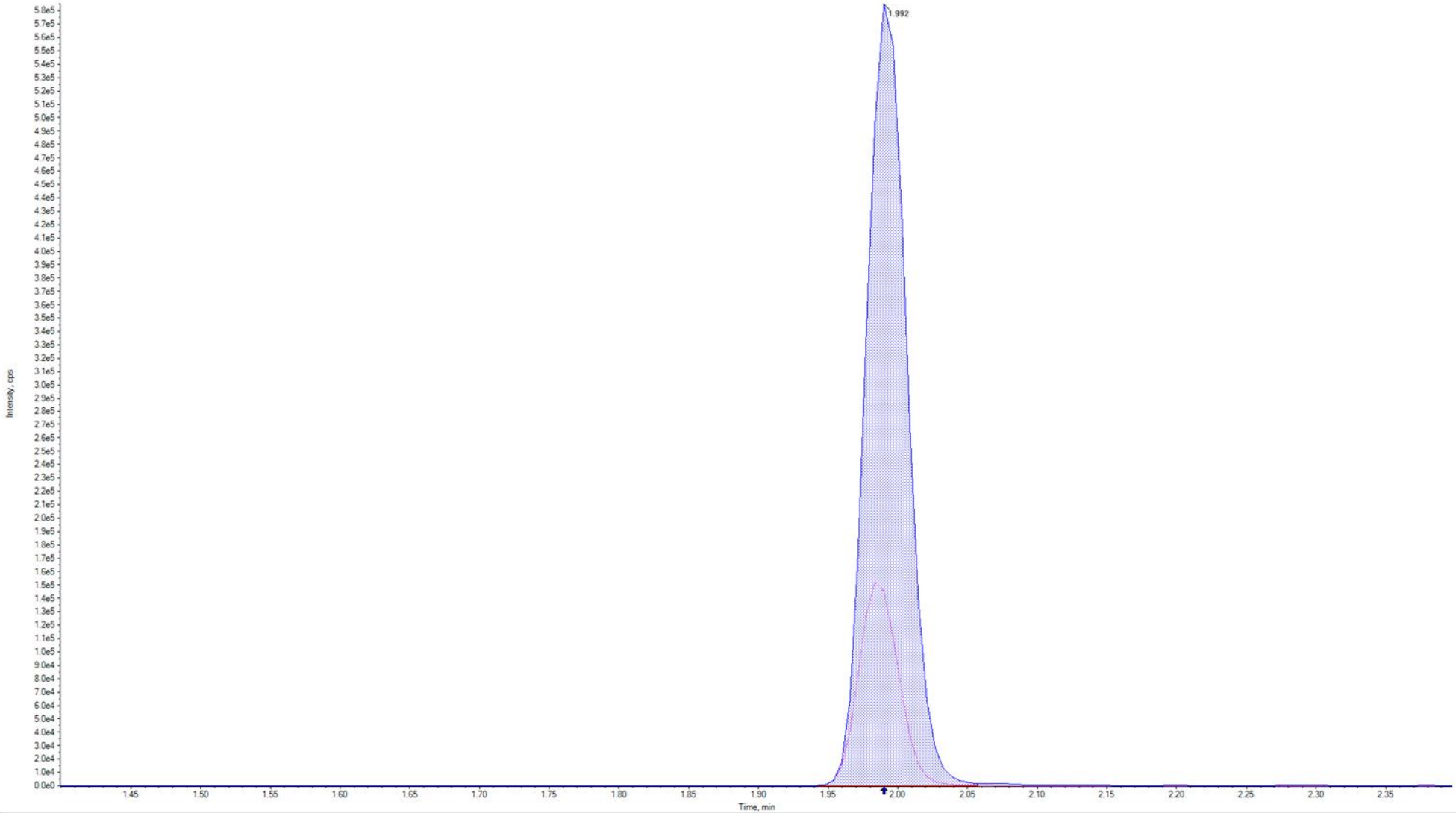
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_22.wiff2_3
Last Altered: 12/17/2024 2:10:27 AM
Generated: 12/16/2024 8:47:17 PM

PFPeA_2
Sample: CA1633STD-10 S/N:194.3 Points Across peak:32



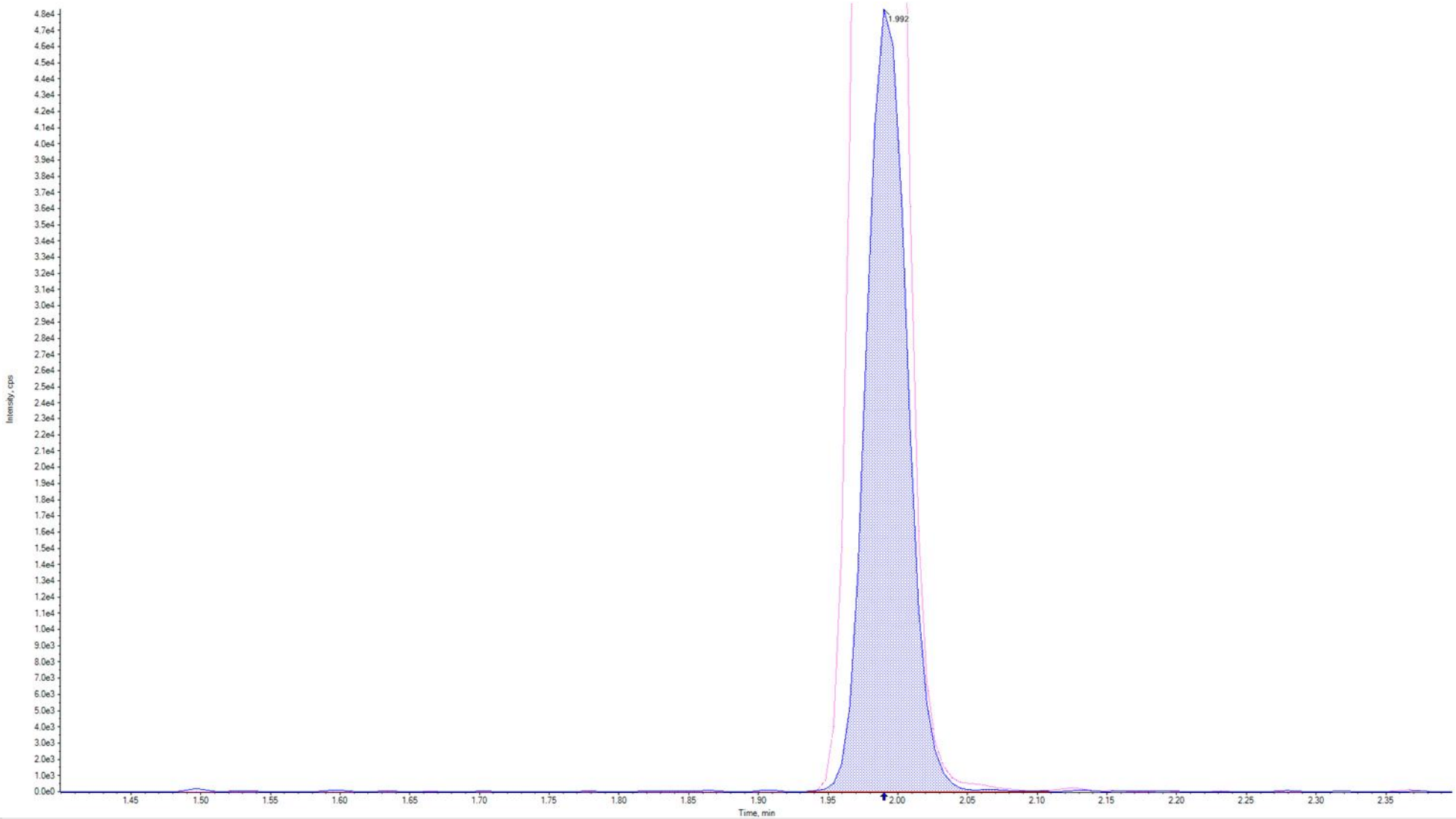
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/17/2024 2:10:27 AM
Generated: 12/16/2024 8:47:17 PM

PFHxA
Sample: CA1633STD-10 S/N:9204.5 Points Across peak:22



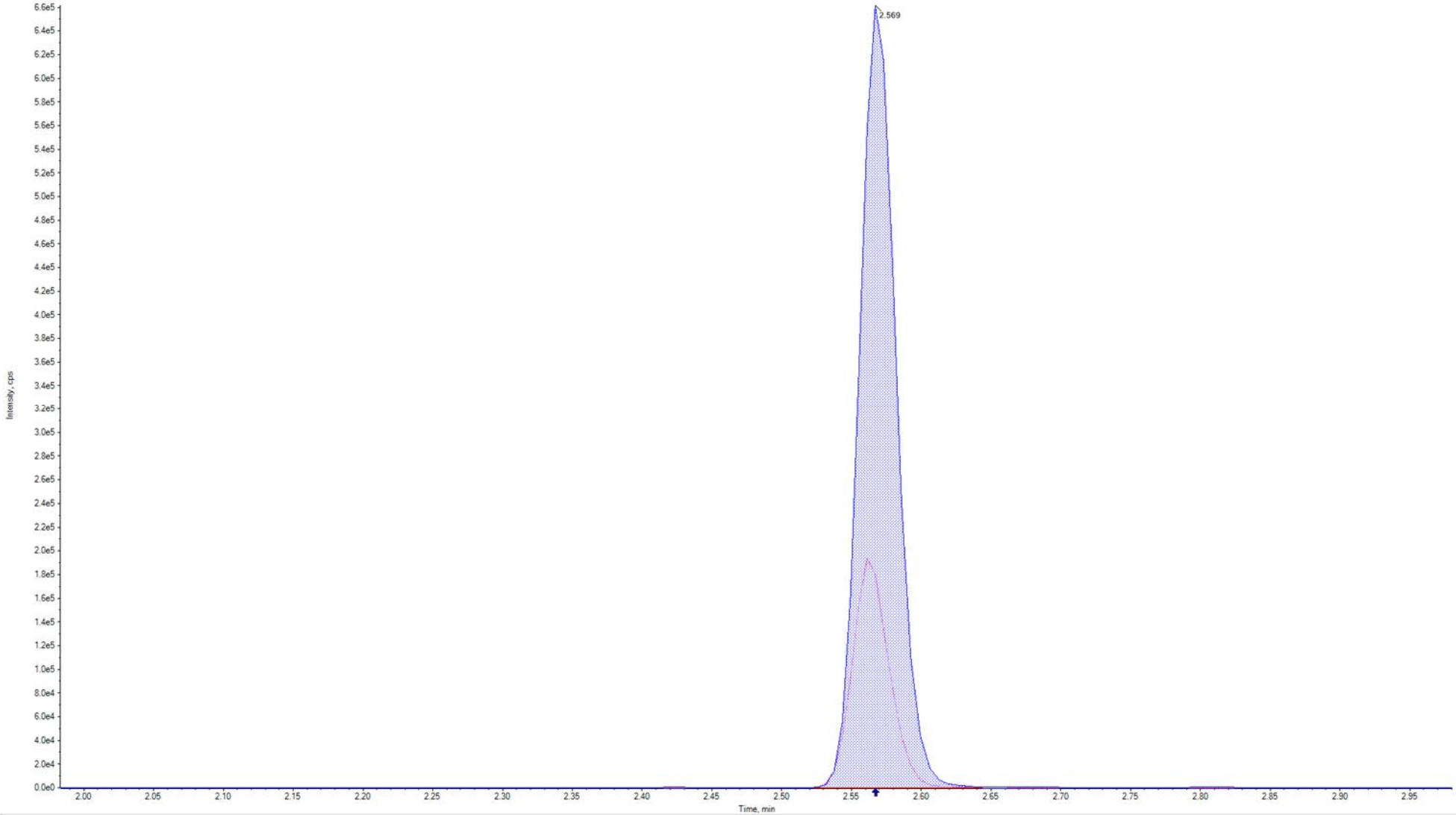
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/17/2024 2:10:27 AM
Generated: 12/16/2024 8:47:17 PM

PFHxA_2
Sample: CA1633STD-10 S/N:1210.8 Points Across peak:32



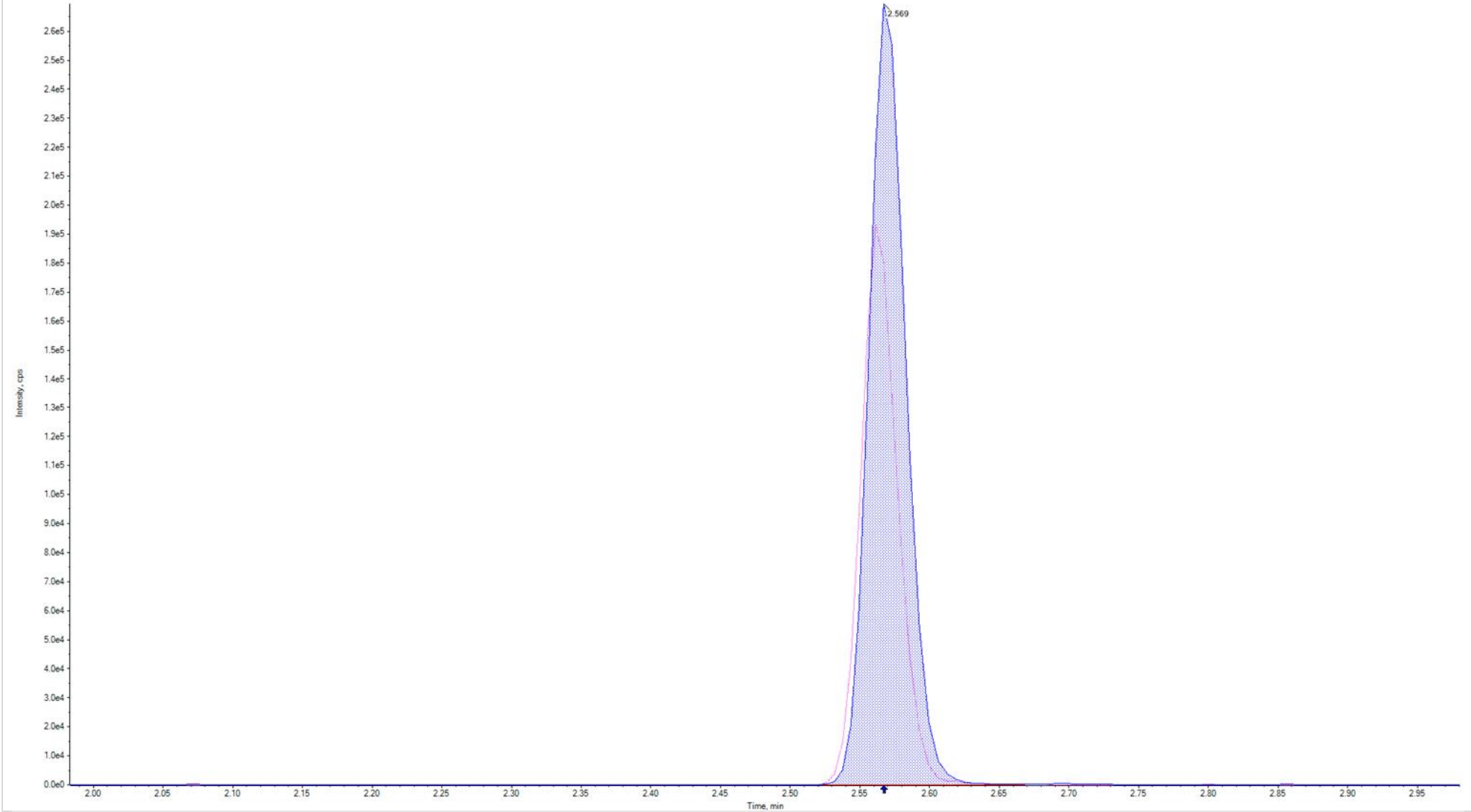
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/17/2024 2:10:27 AM
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PFHpA
Sample: CA1633STD-10 S/N:13265.7 Points Across peak:25



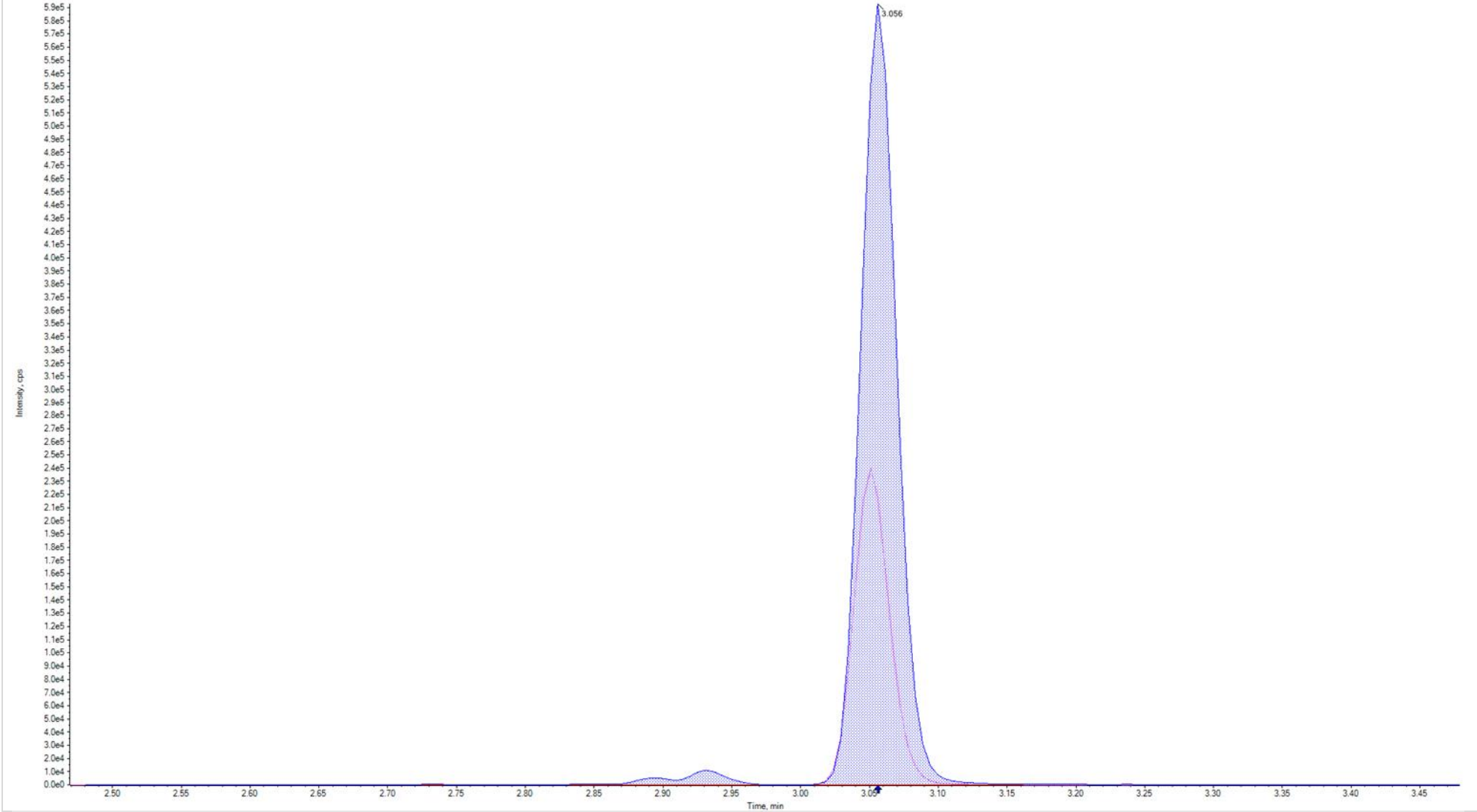
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/17/2024 2:10:27 AM
Generated: 12/16/2024 8:47:17 PM

PFHpA_2
Sample: CA1633STD-10 S/N:4149.5 Points Across peak:27



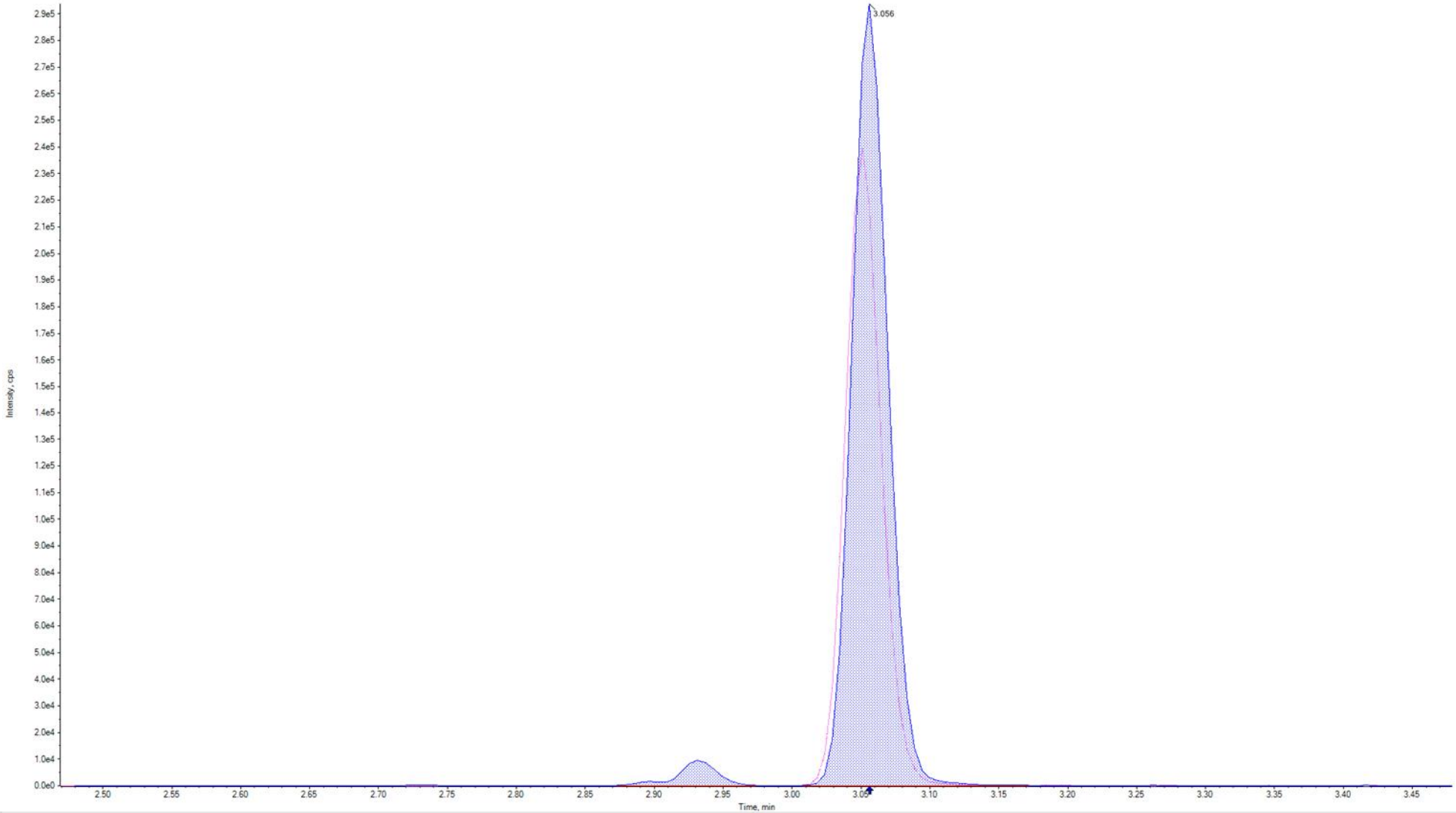
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/17/2024 2:10:27 AM
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PFOA
Sample: CA1633STD-10 S/N:1564.1 Points Across peak:86



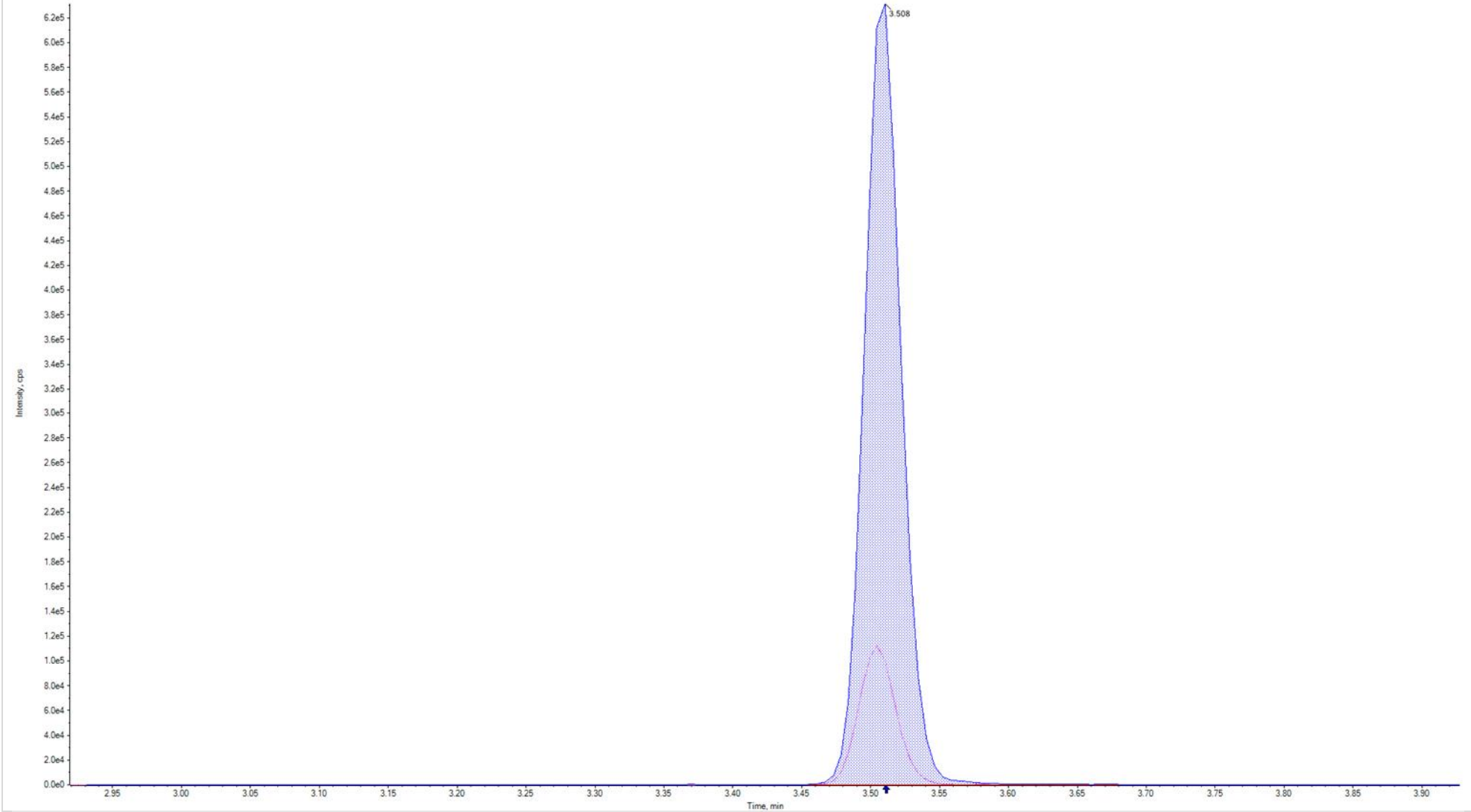
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Alpha Analytical LLC
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PFOA_2
Sample: CA1633STD-10 S/N:1974.2 Points Across peak:82



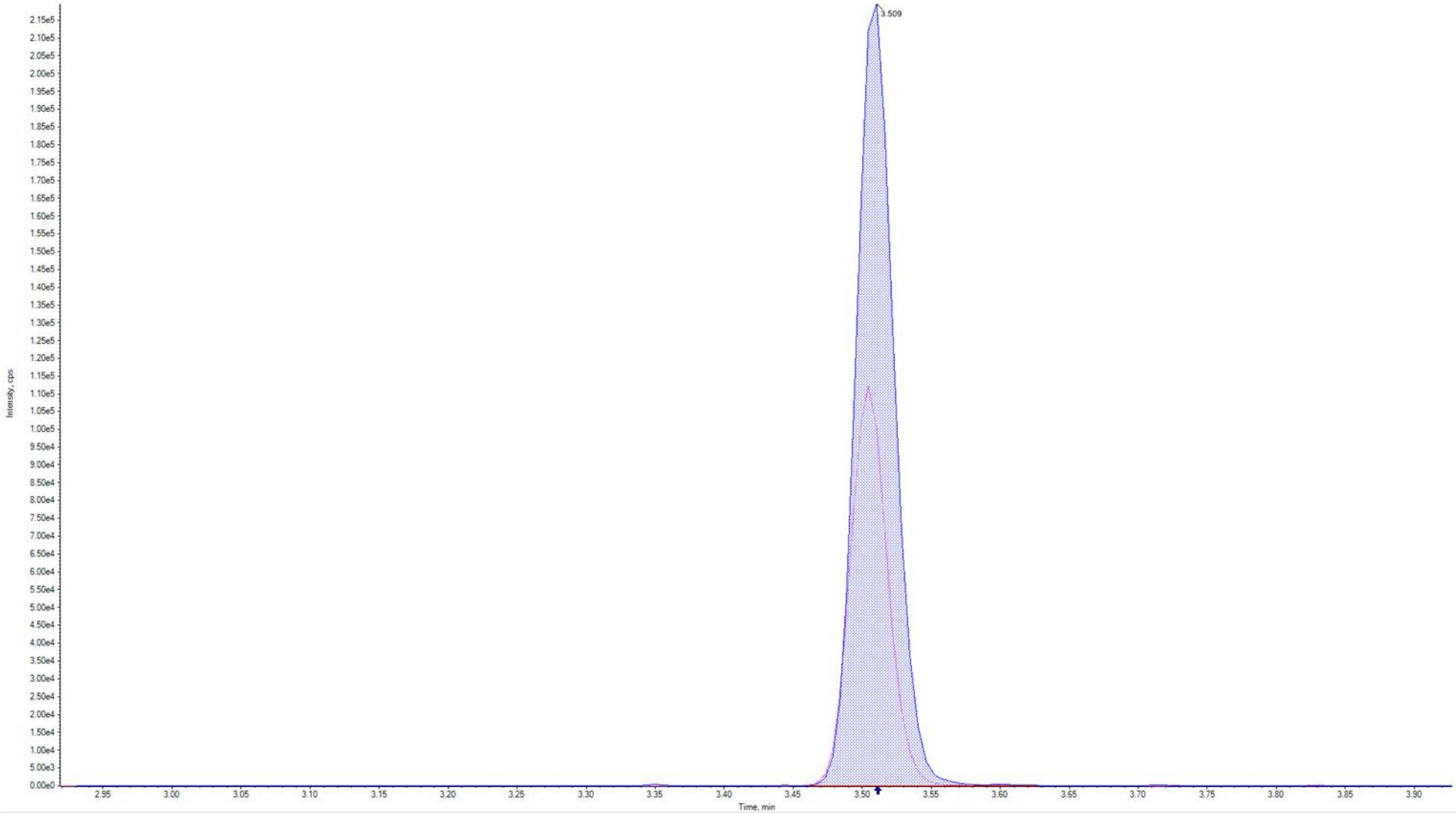
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/17/2024 2:10:27 AM
Generated: 12/16/2024 8:47:17 PM

PFNA
Sample: CA1633STD-10 S/N:3795.4 Points Across peak:46



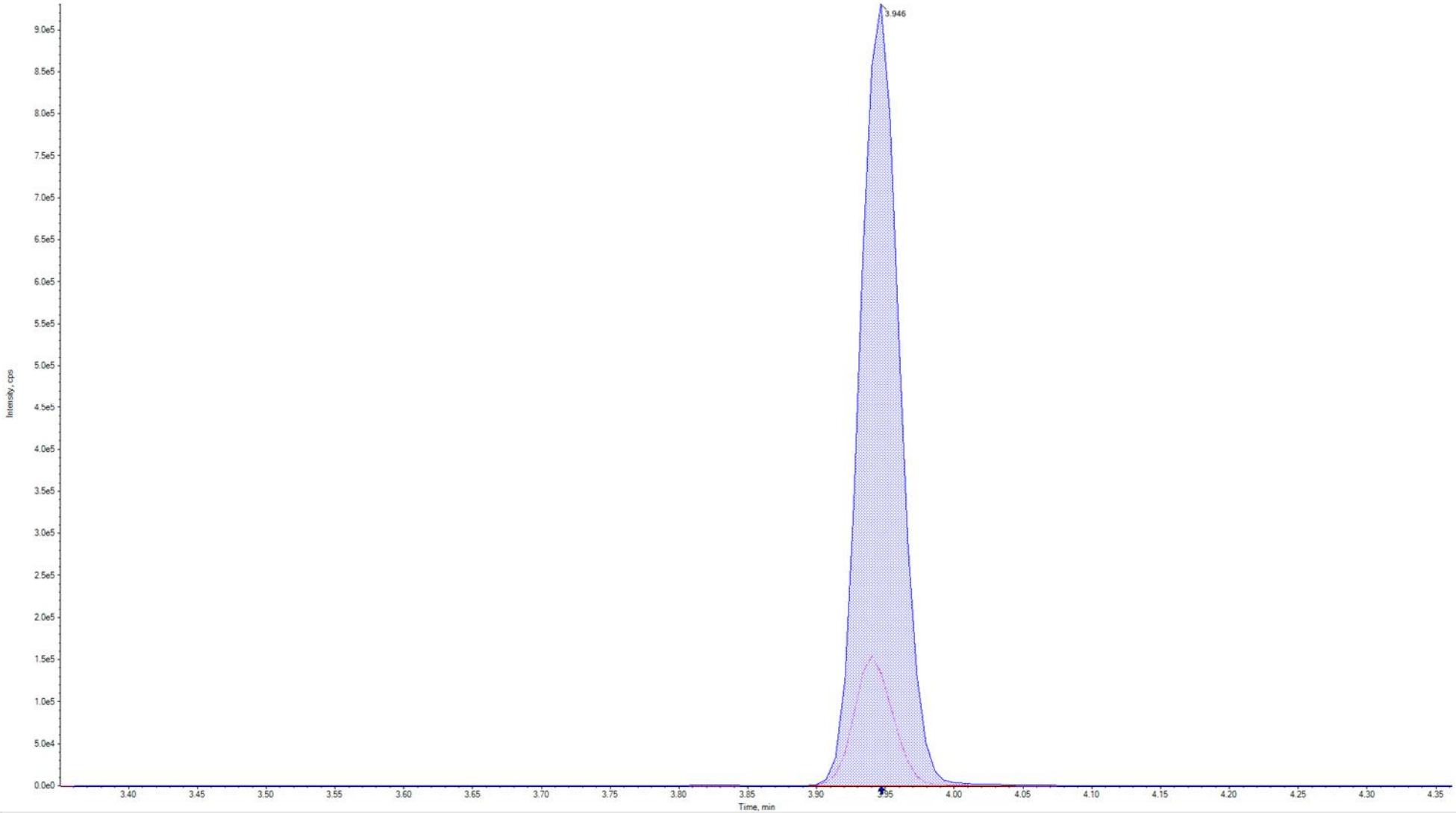
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/17/2024 2:10:27 AM
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PFNA_2
Sample: CA1633STD-10 S/N:3533.3 Points Across peak:34



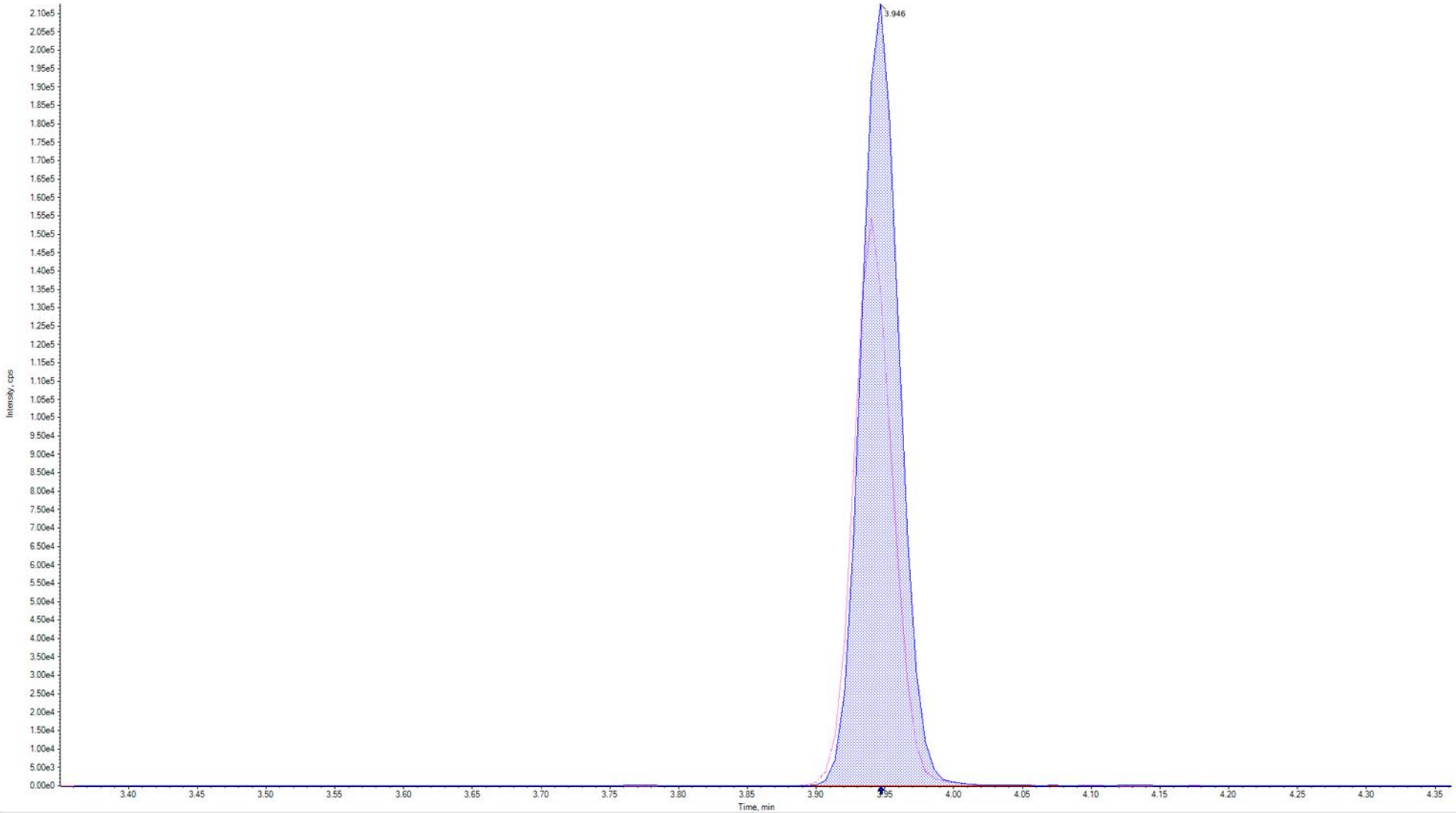
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/17/2024 2:10:27 AM
Generated: 12/16/2024 8:47:17 PM

PFDA
Sample: CA1633STD-10 S/N:18662.0 Points Across peak:26



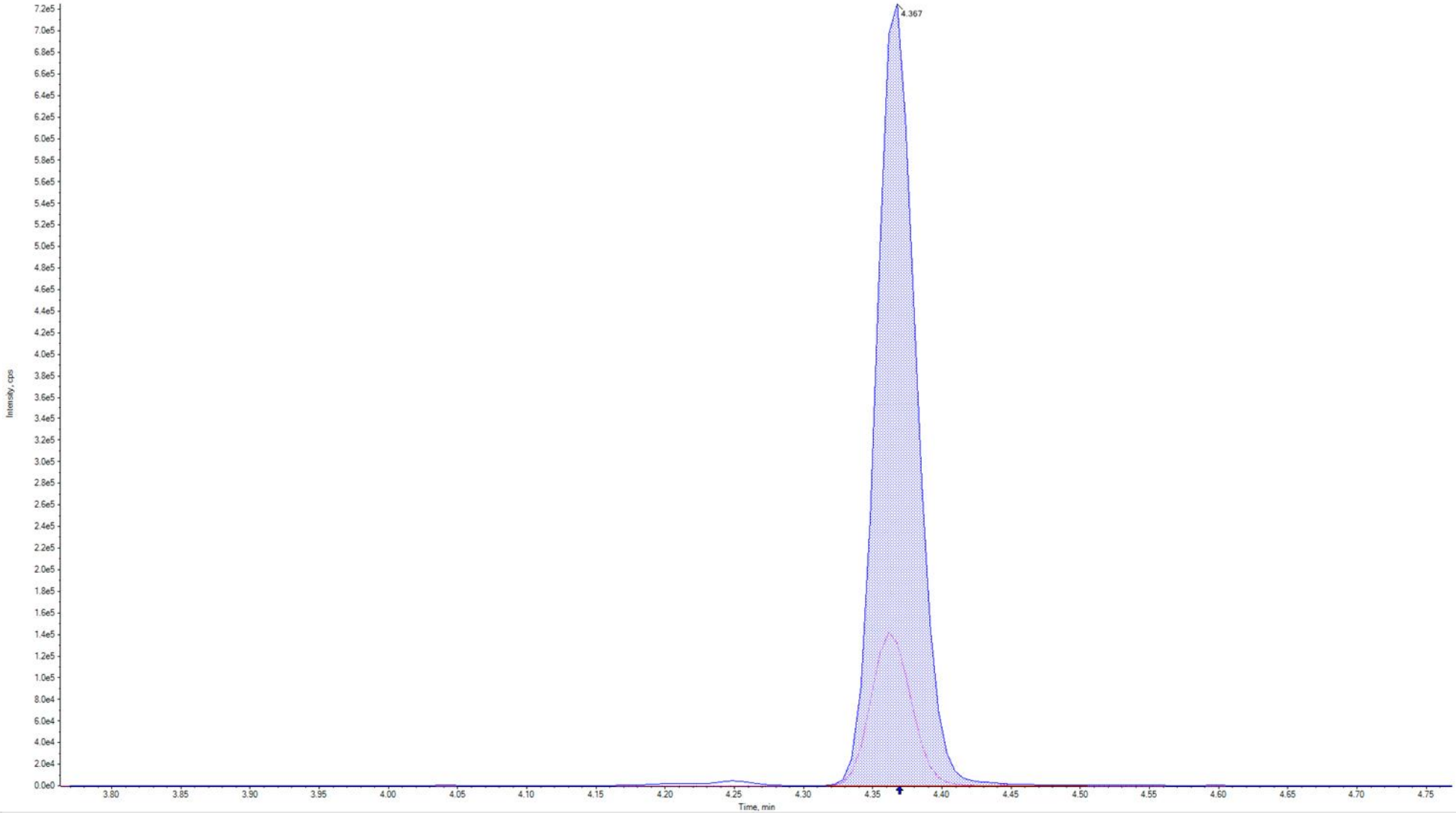
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/17/2024 2:10:27 AM
Generated: 12/16/2024 8:47:17 PM

PFDA_2
Sample: CA1633STD-10 S/N:4263.3 Points Across peak:32



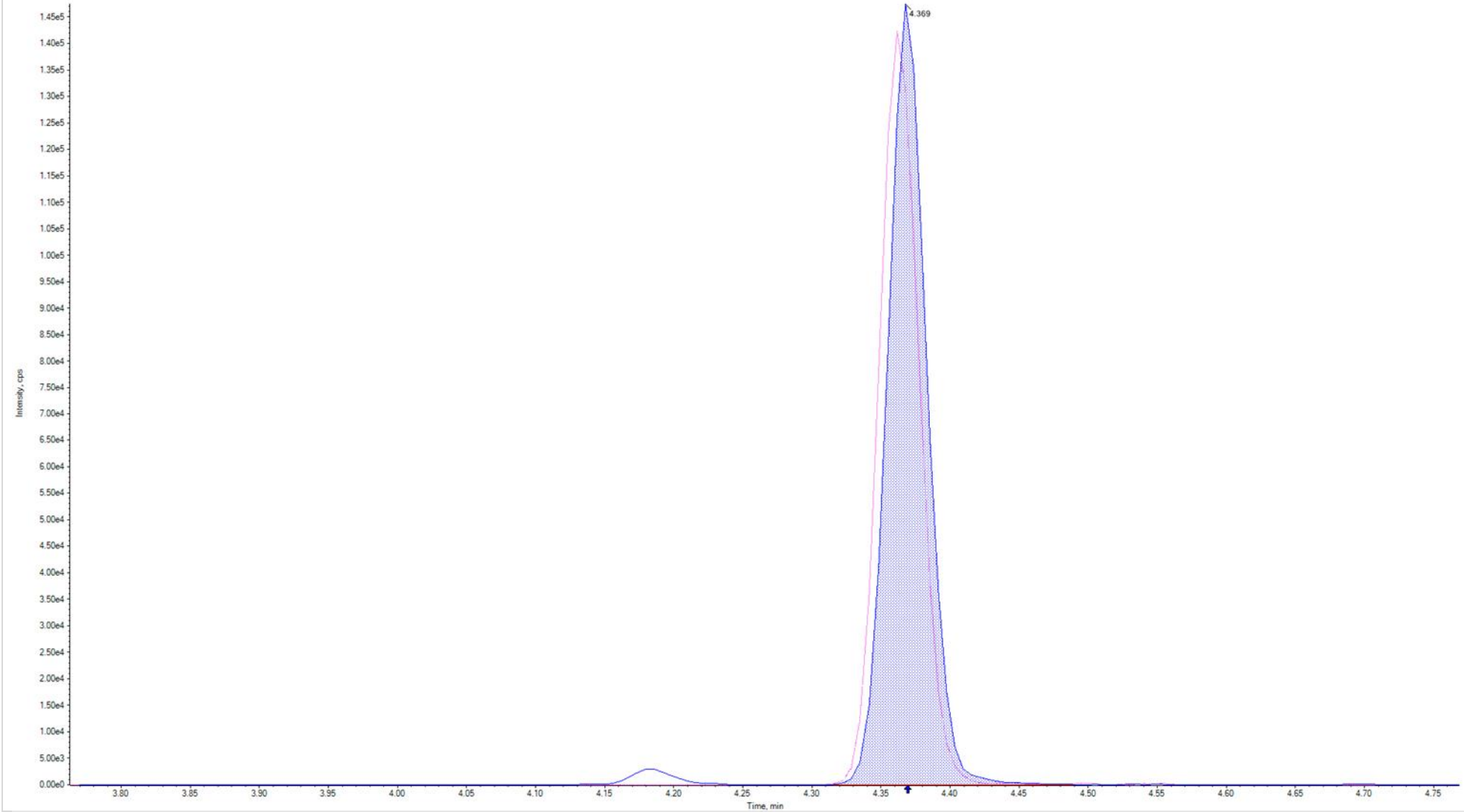
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Alpha Analytical LLC
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Last Altered: 12/17/2024 2:10:27 AM
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PFUnA
Sample: CA1633STD-10 S/N:15722.2 Points Across peak:35



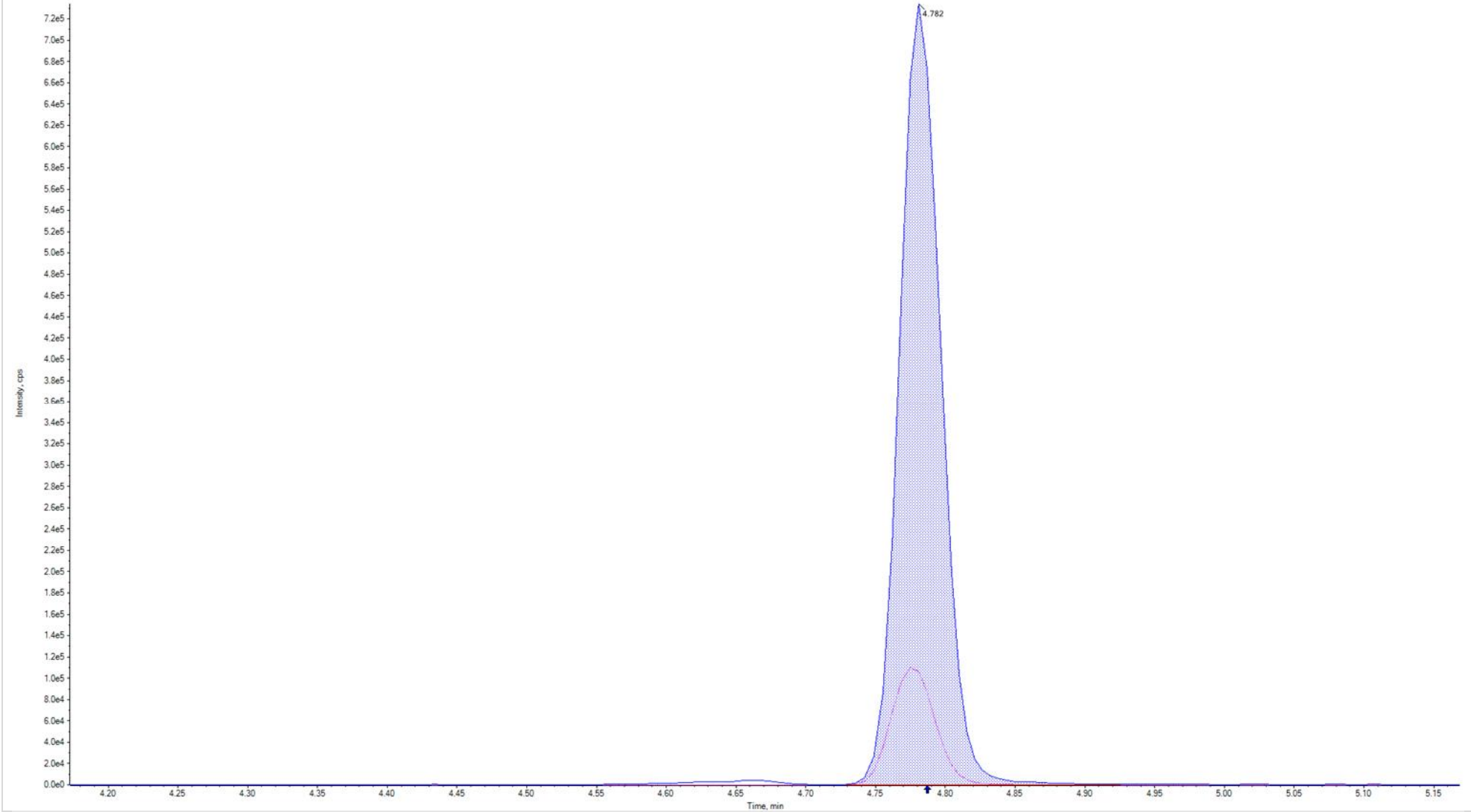
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/17/2024 2:10:27 AM
Generated: 12/16/2024 8:47:17 PM

PFUnA_2
Sample: CA1633STD-10 S/N:3326.6 Points Across peak:34



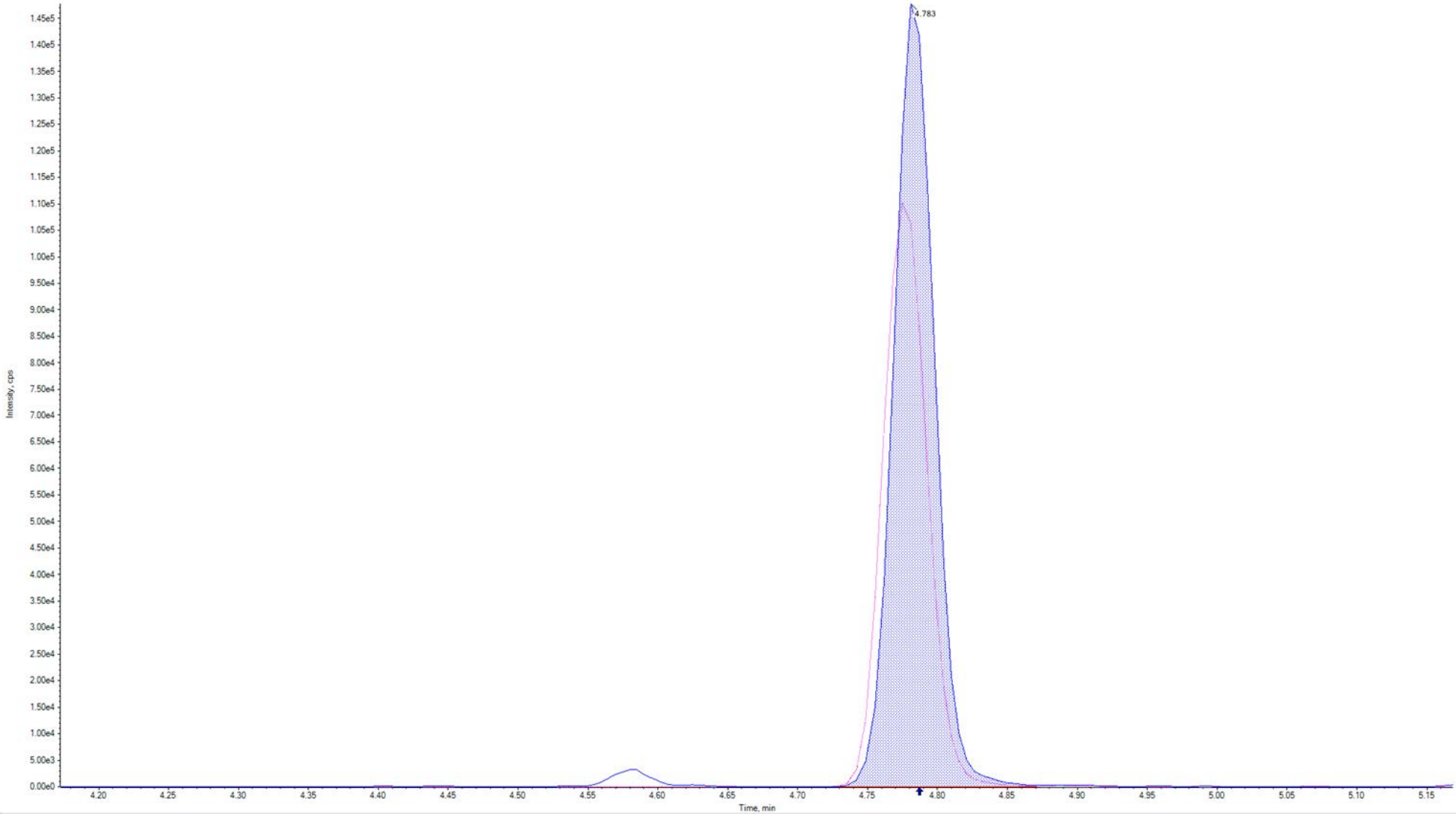
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Alpha Analytical LLC
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Last Altered: 12/17/2024 2:10:27 AM
Generated: 12/16/2024 8:47:17 PM

PFDoA
Sample: CA1633STD-10 S/N:20236.2 Points Across peak:37



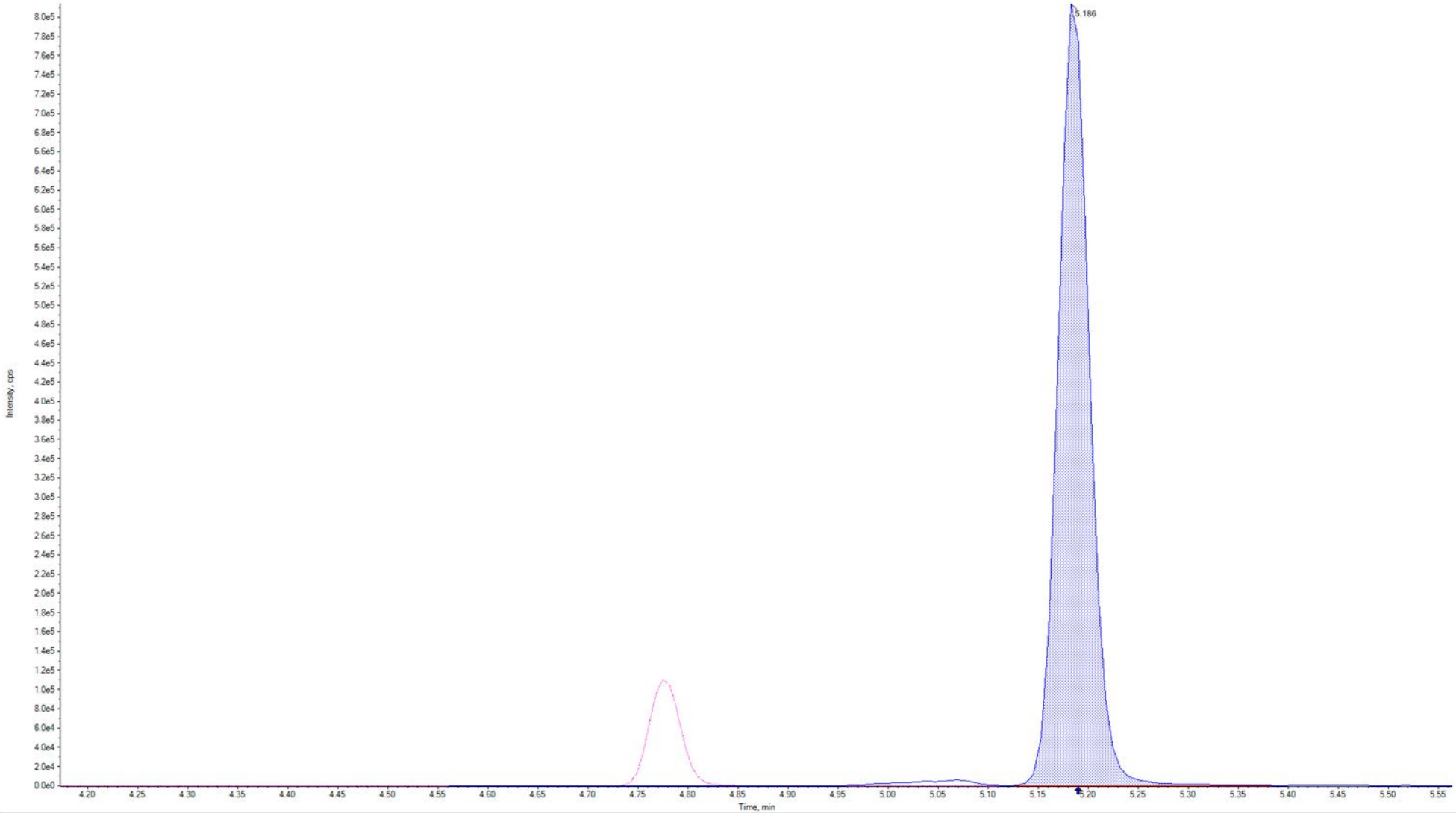
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/17/2024 2:10:27 AM
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PFDoA_2
Sample: CA1633STD-10 S/N:3019.0 Points Across peak:27



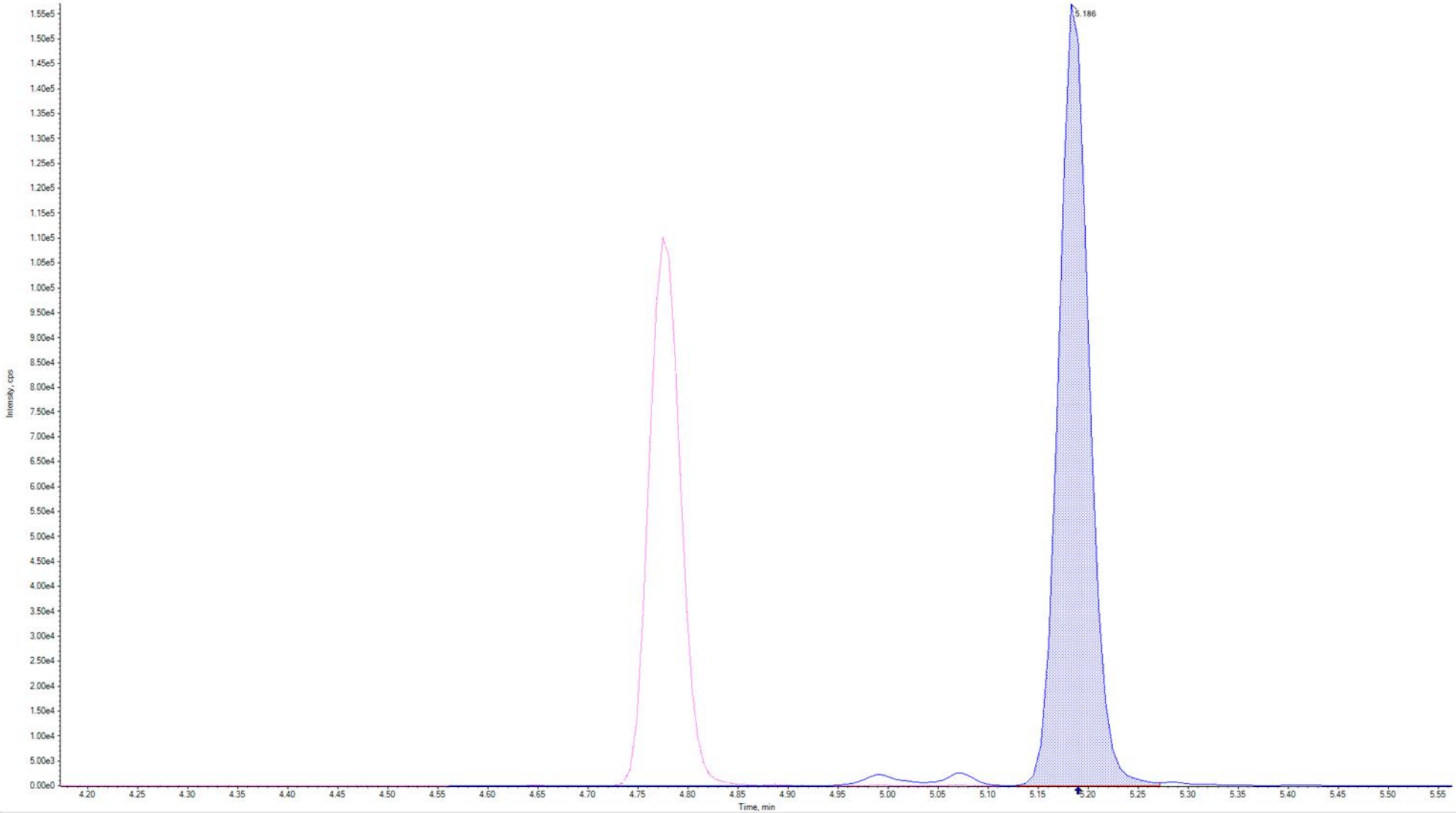
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Alpha Analytical LLC
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Last Altered: 12/17/2024 2:10:27 AM
Generated: 12/16/2024 8:47:17 PM

PFTrDA
Sample: CA1633STD-10 S/N:23115.6 Points Across peak:36



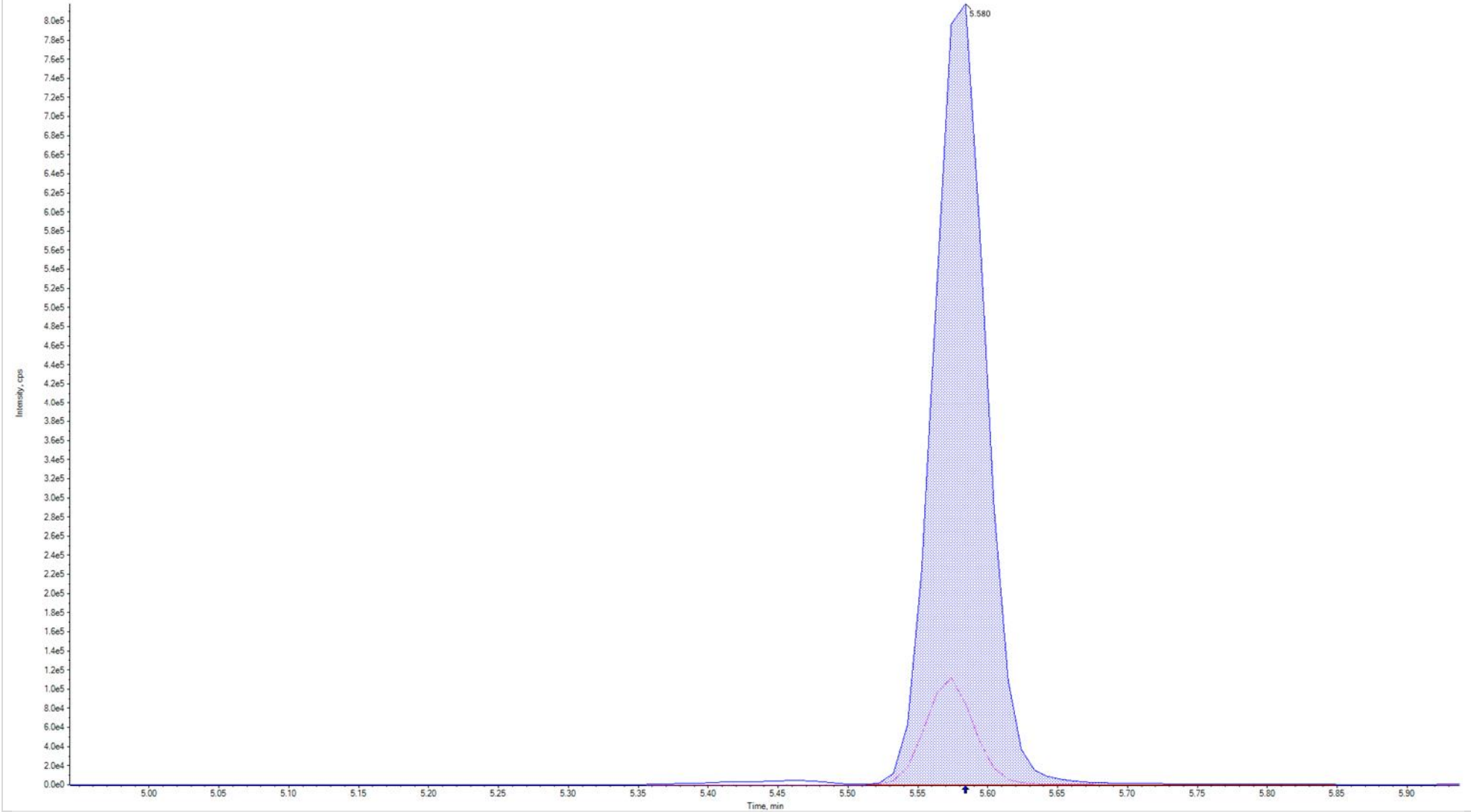
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Alpha Analytical LLC
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Last Altered: 12/17/2024 2:10:27 AM
Generated: 12/16/2024 8:47:17 PM

PFTrDA_2
Sample: CA1633STD-10 S/N:6295.9 Points Across peak:21



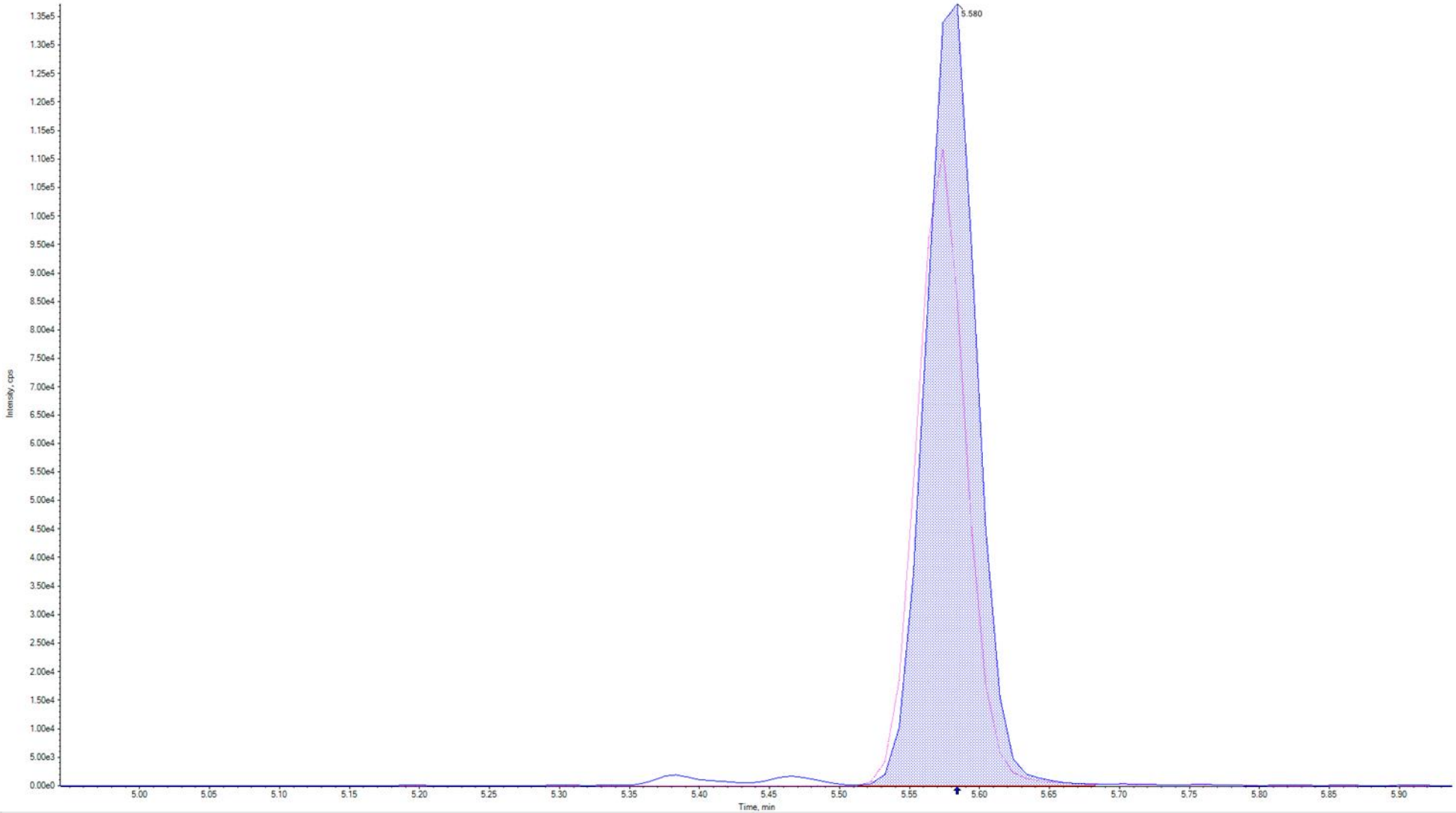
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/17/2024 2:10:27 AM
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PFTeDA
Sample: CA1633STD-10 S/N:6935.4 Points Across peak:38



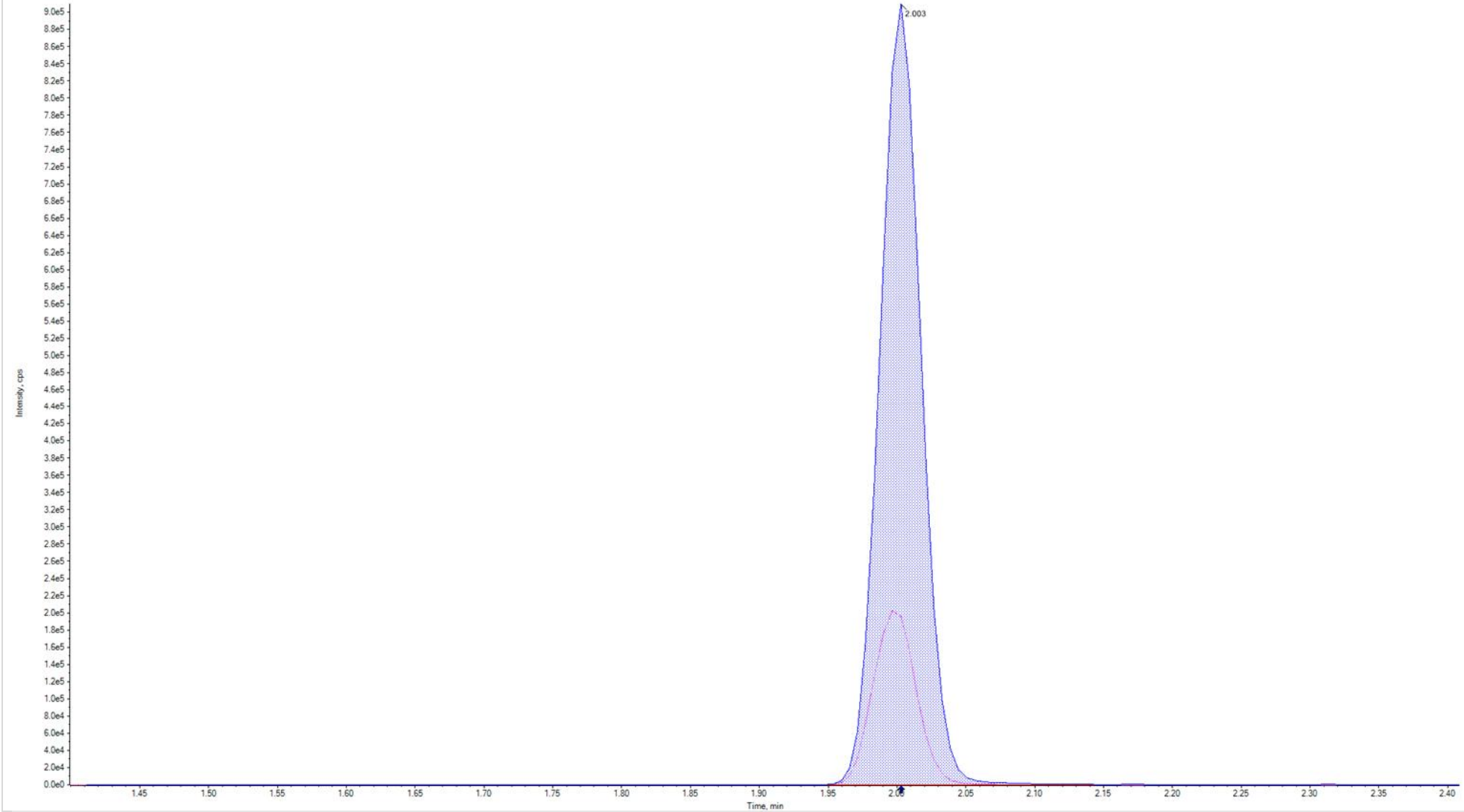
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Alpha Analytical LLC
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Last Altered: 12/17/2024 2:10:27 AM
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PFTeDA_2
Sample: CA1633STD-10 S/N:1116.9 Points Across peak:19



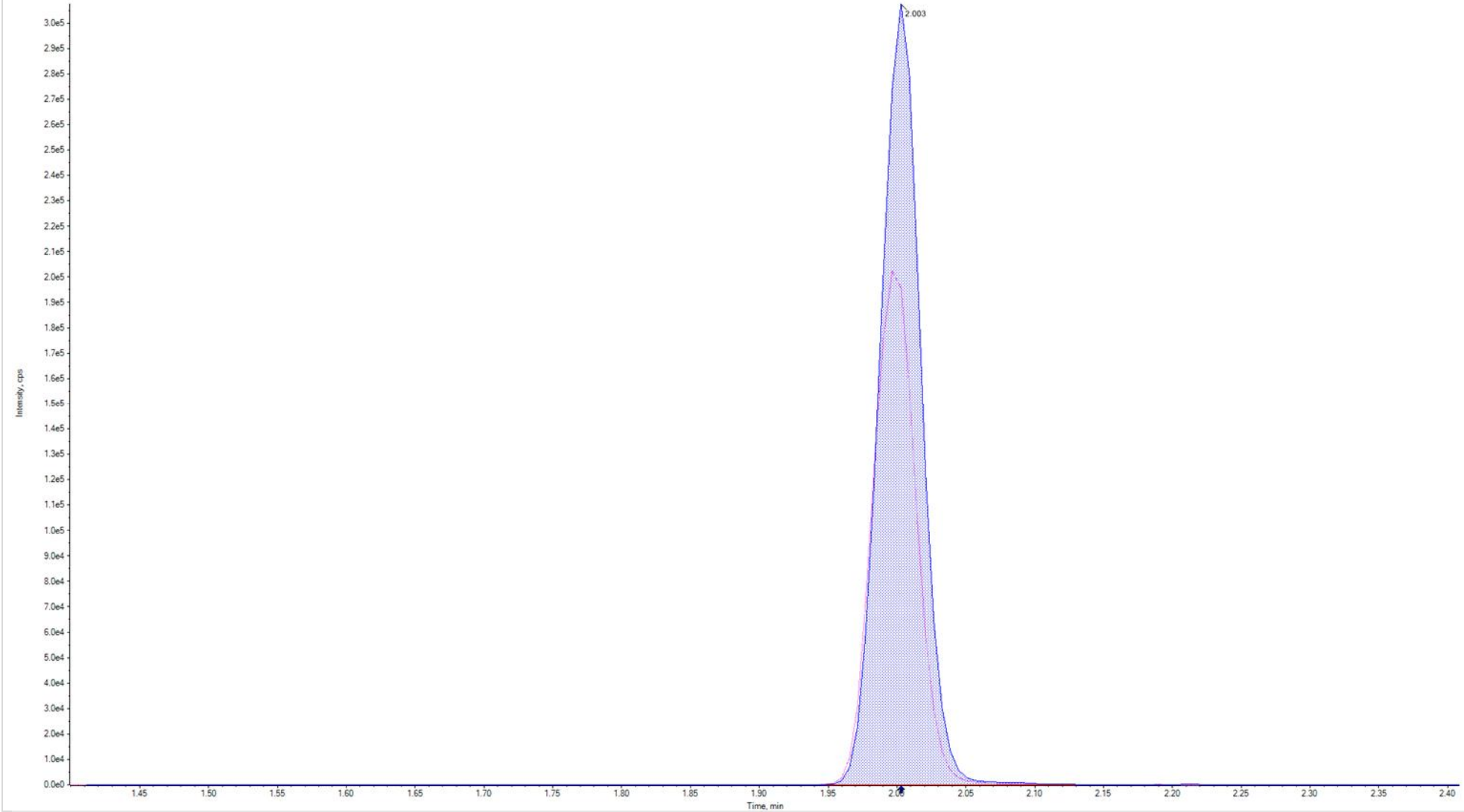
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Alpha Analytical LLC
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PFBS
Sample: CA1633STD-10 S/N:22799.4 Points Across peak:36



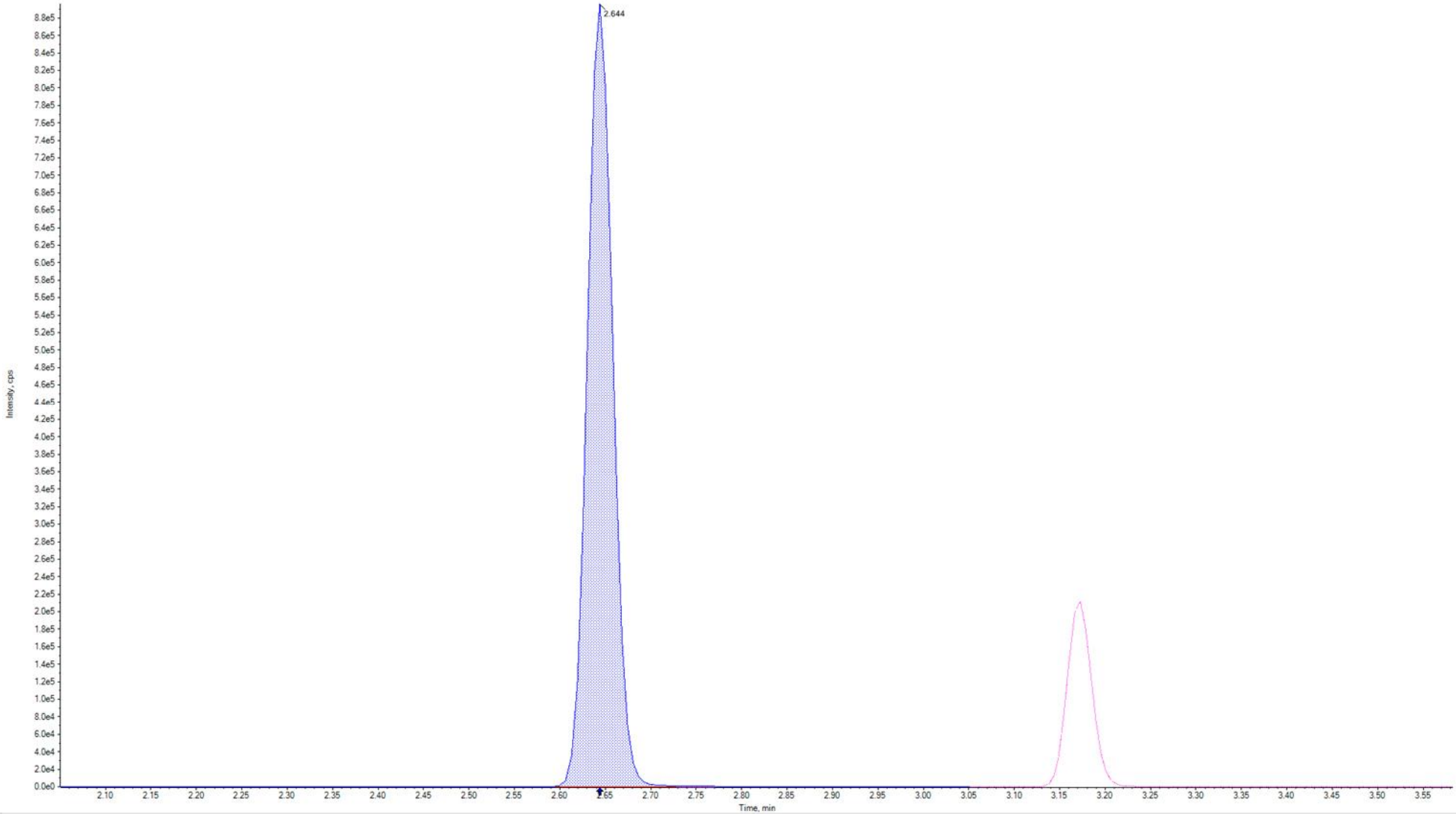
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Alpha Analytical LLC
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Generated: 12/16/2024 8:47:17 PM

PFBS_2
Sample: CA1633STD-10 S/N:4389.0 Points Across peak:41



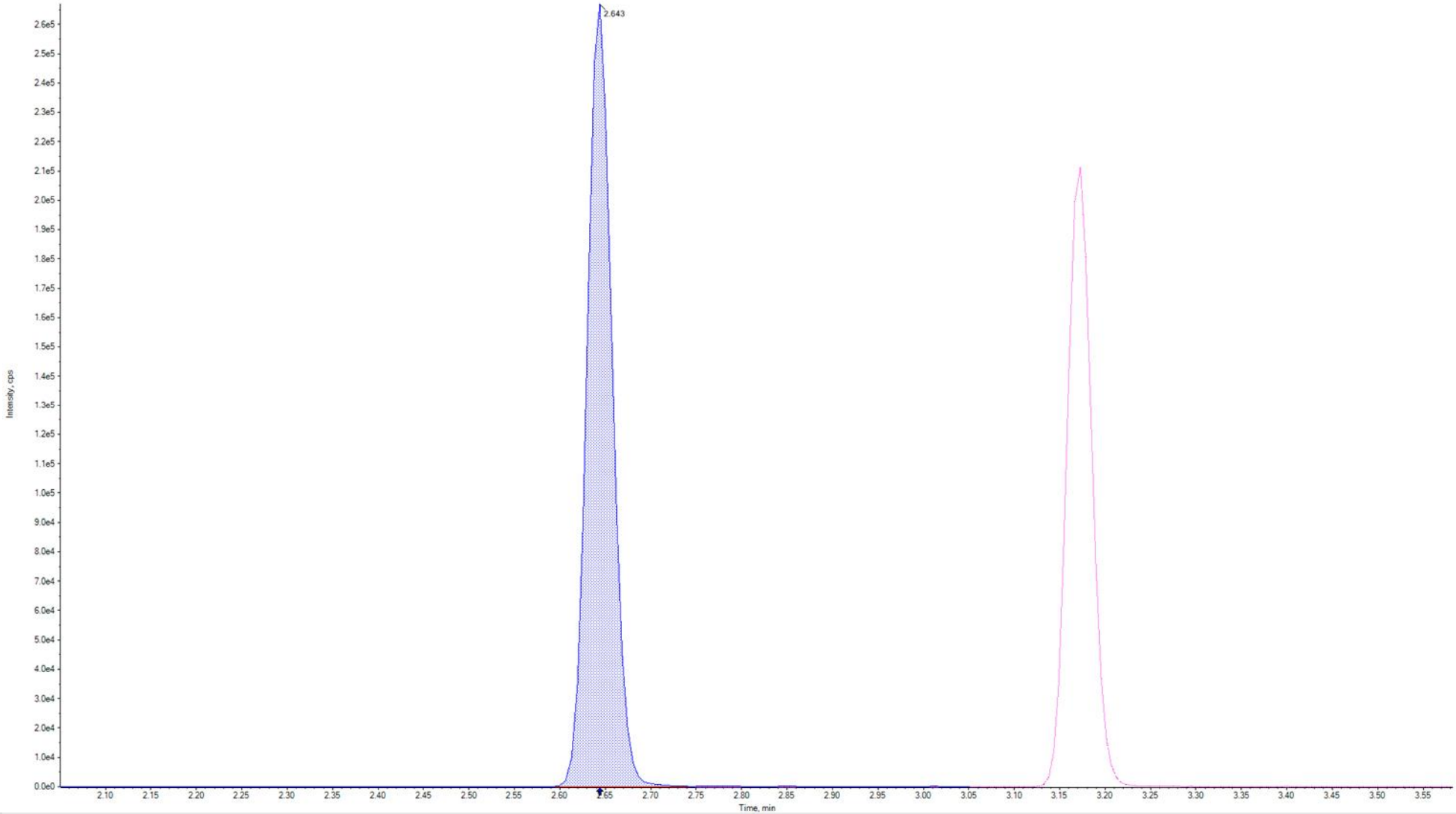
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Alpha Analytical LLC
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PFPeS
Sample: CA1633STD-10 S/N:4499.2 Points Across peak:25



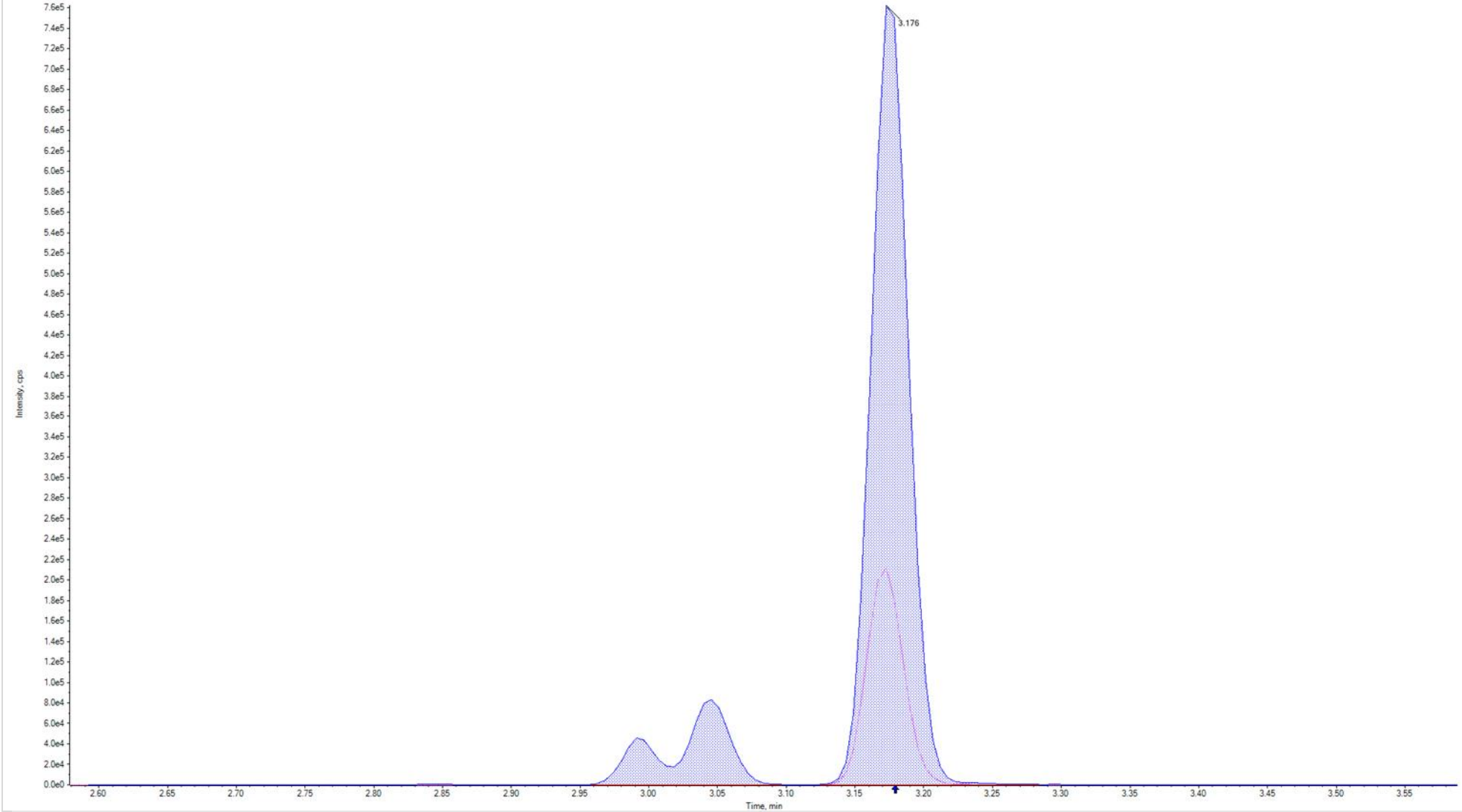
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/17/2024 2:10:27 AM
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PFPeS_2
Sample: CA1633STD-10 S/N:5145.3 Points Across peak:29



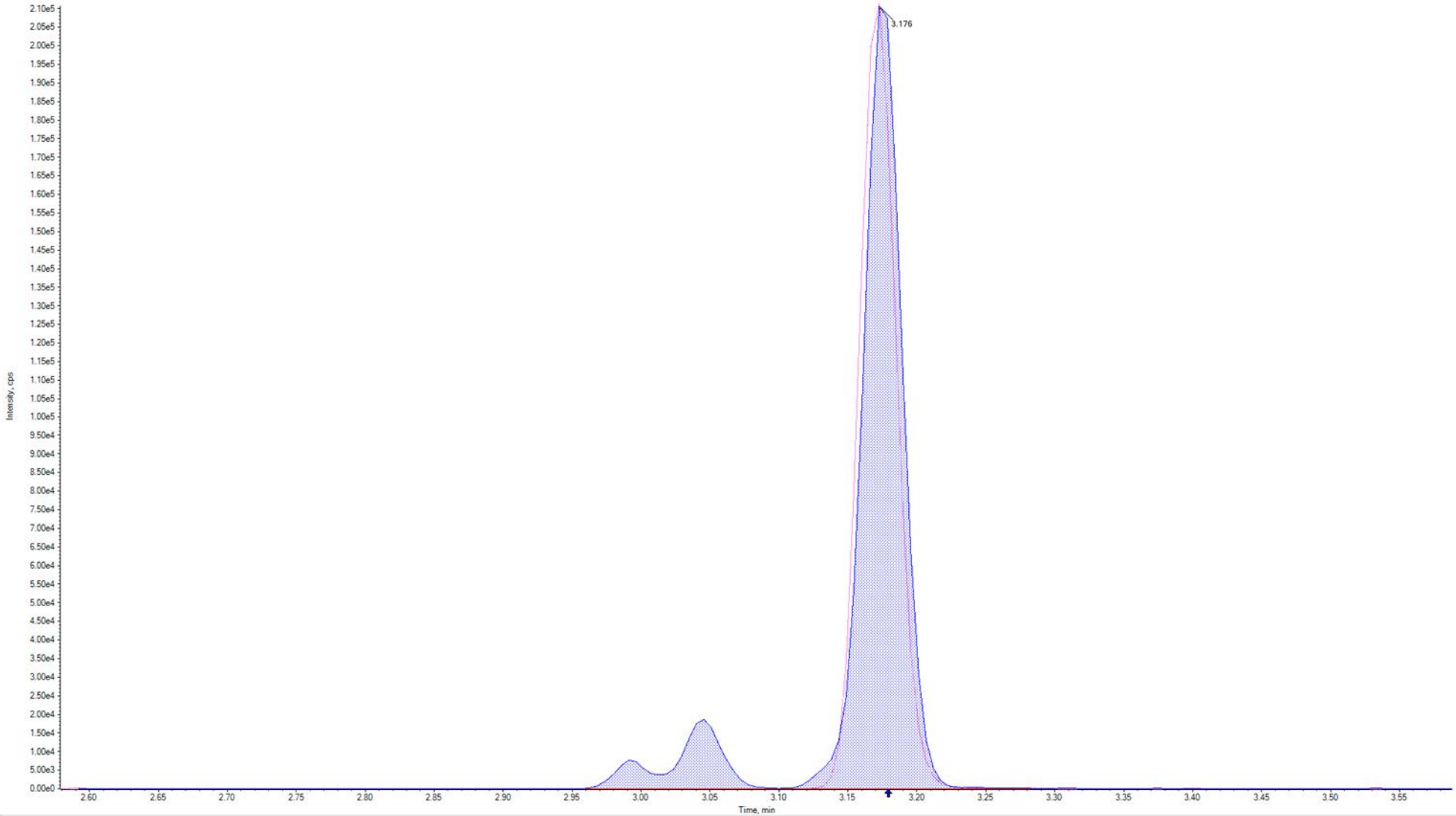
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Alpha Analytical LLC
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Generated: 12/16/2024 8:47:17 PM

PFHxS
Sample: CA1633STD-10 S/N:1411.0 Points Across peak:63



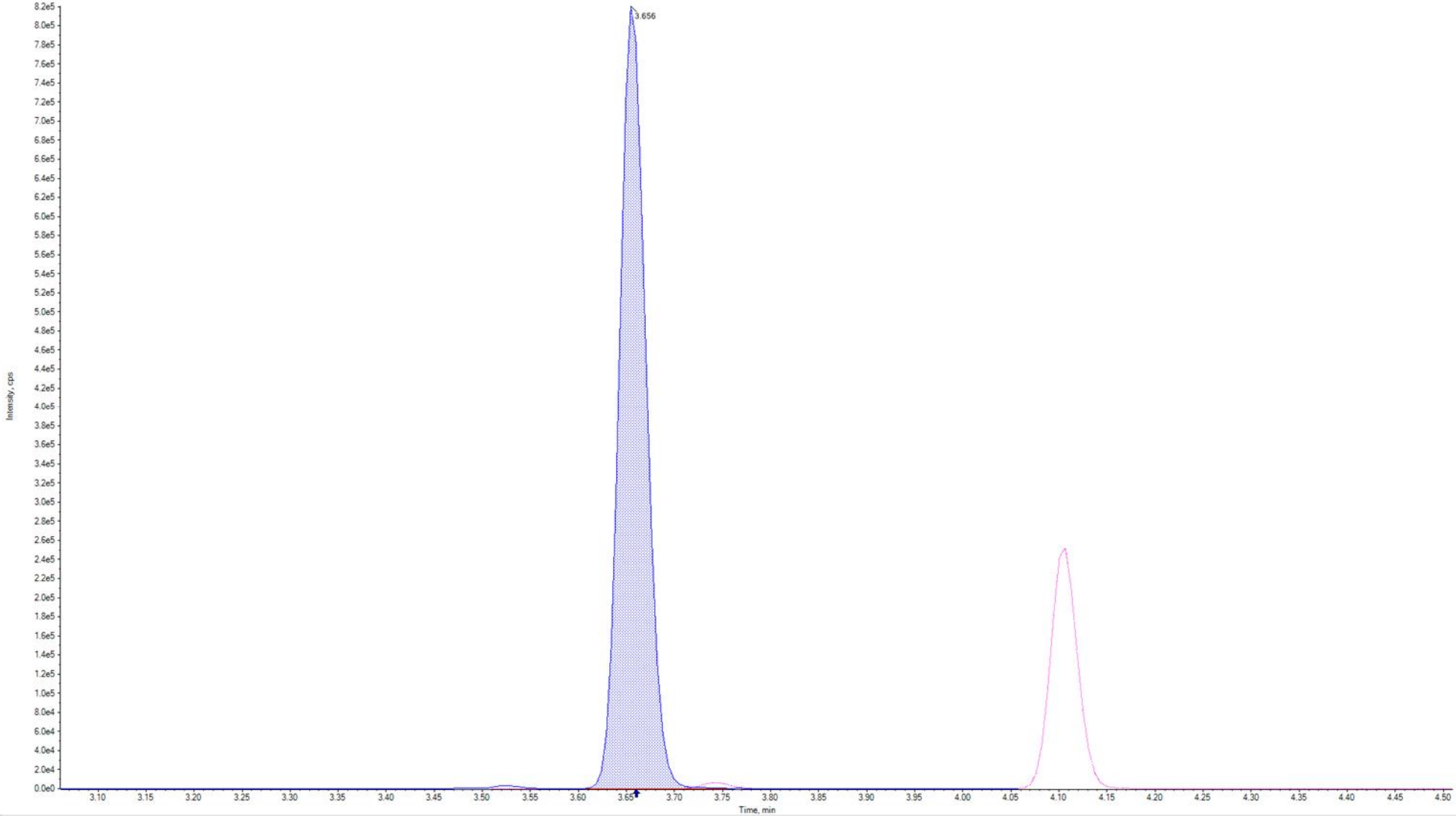
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Alpha Analytical LLC
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Last Altered: 12/17/2024 2:10:27 AM
Generated: 12/16/2024 8:47:17 PM

PFHxS_2
Sample: CA1633STD-10 S/N:1466.2 Points Across peak:64



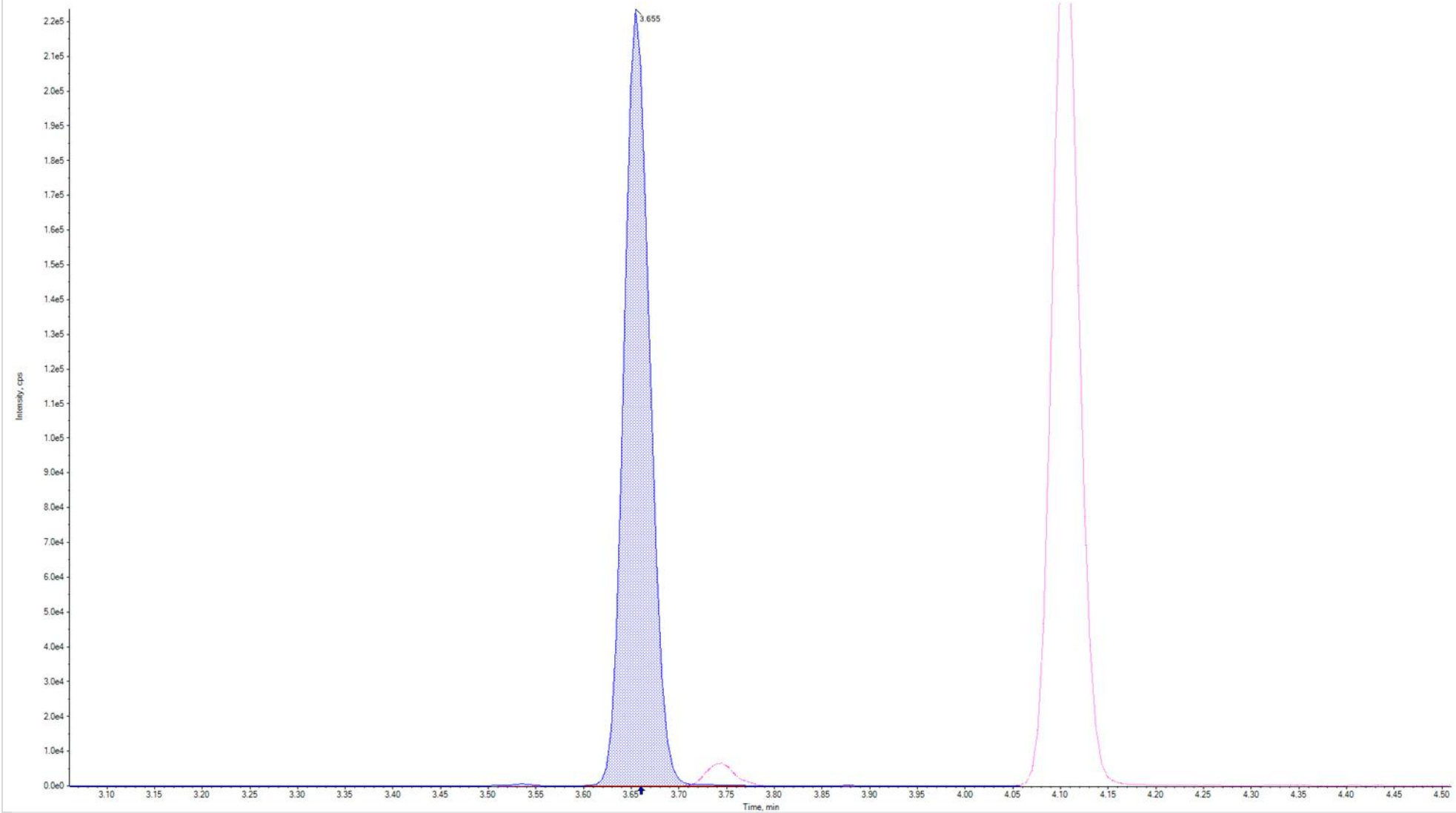
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Alpha Analytical LLC
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Last Altered: 12/17/2024 2:10:27 AM
Generated: 12/16/2024 8:47:17 PM

PFHpS
Sample: CA1633STD-10 S/N:5123.1 Points Across peak:35



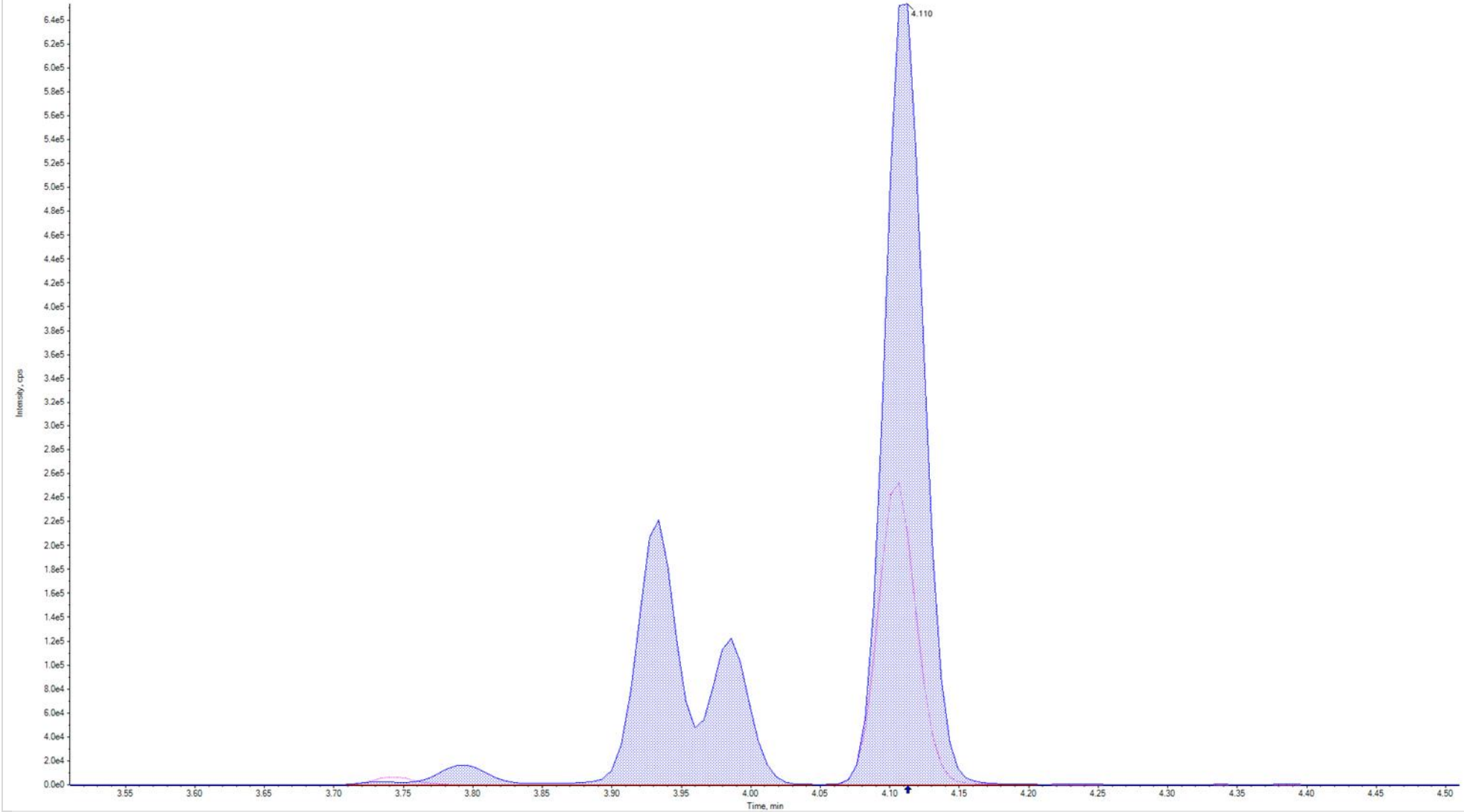
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/17/2024 2:10:27 AM
Generated: 12/16/2024 8:47:17 PM

PFHpS_2
Sample: CA1633STD-10 S/N:4483.3 Points Across peak:37



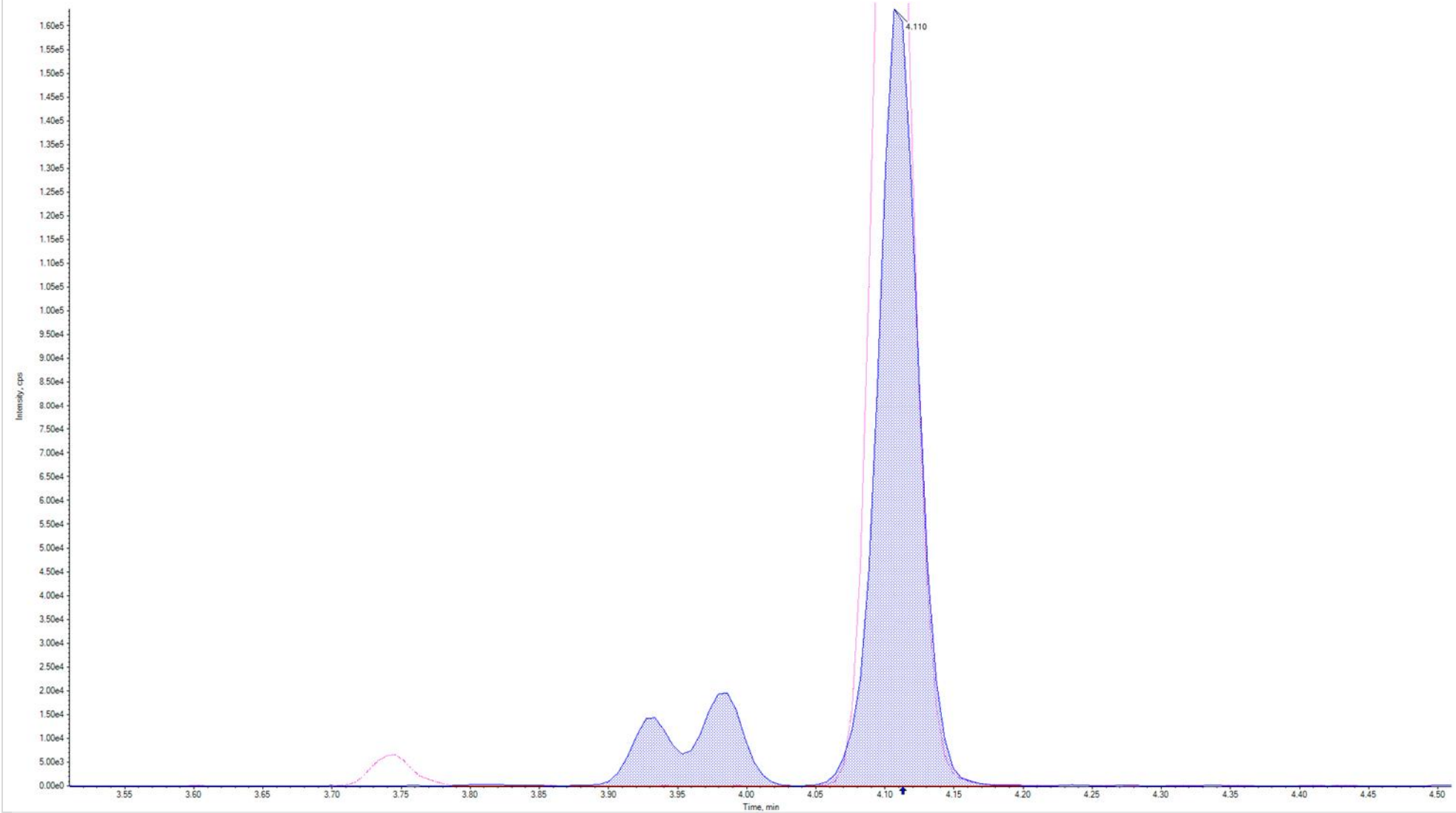
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_22.wiff2_3
Last Altered: 12/17/2024 2:10:27 AM
Generated: 12/16/2024 8:47:17 PM

PFOS
Sample: CA1633STD-10 S/N:359.8 Points Across peak:83



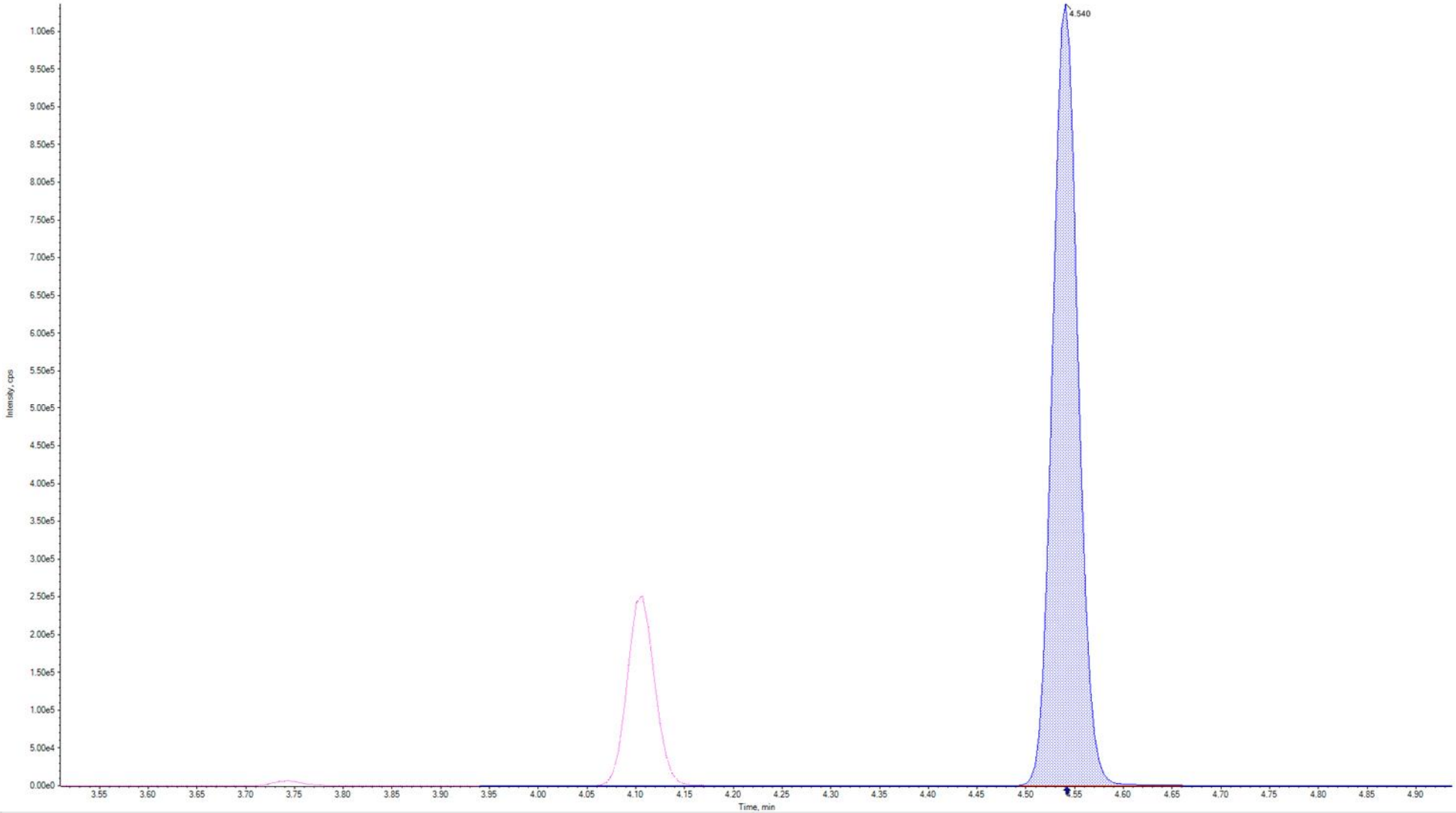
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_22.wiff2_3
Last Altered: 12/17/2024 2:10:27 AM
Generated: 12/16/2024 8:47:17 PM

PFOS_2
Sample: CA1633STD-10 S/N:879.8 Points Across peak:68



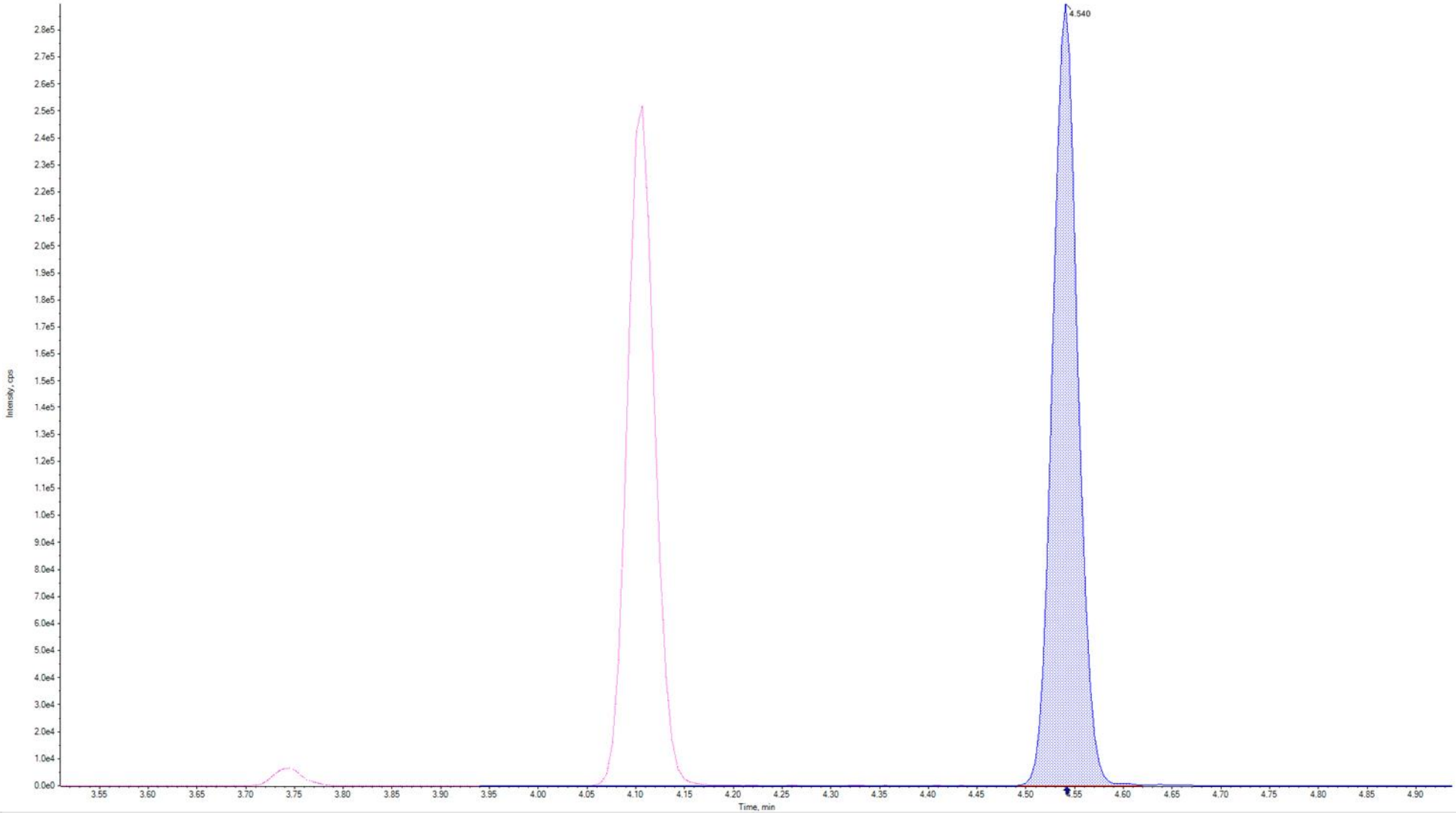
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_22.wiff2_3
Last Altered: 12/17/2024 2:10:27 AM
Generated: 12/16/2024 8:47:17 PM

PFNS
Sample: CA1633STD-10 S/N:25977.1 Points Across peak:46



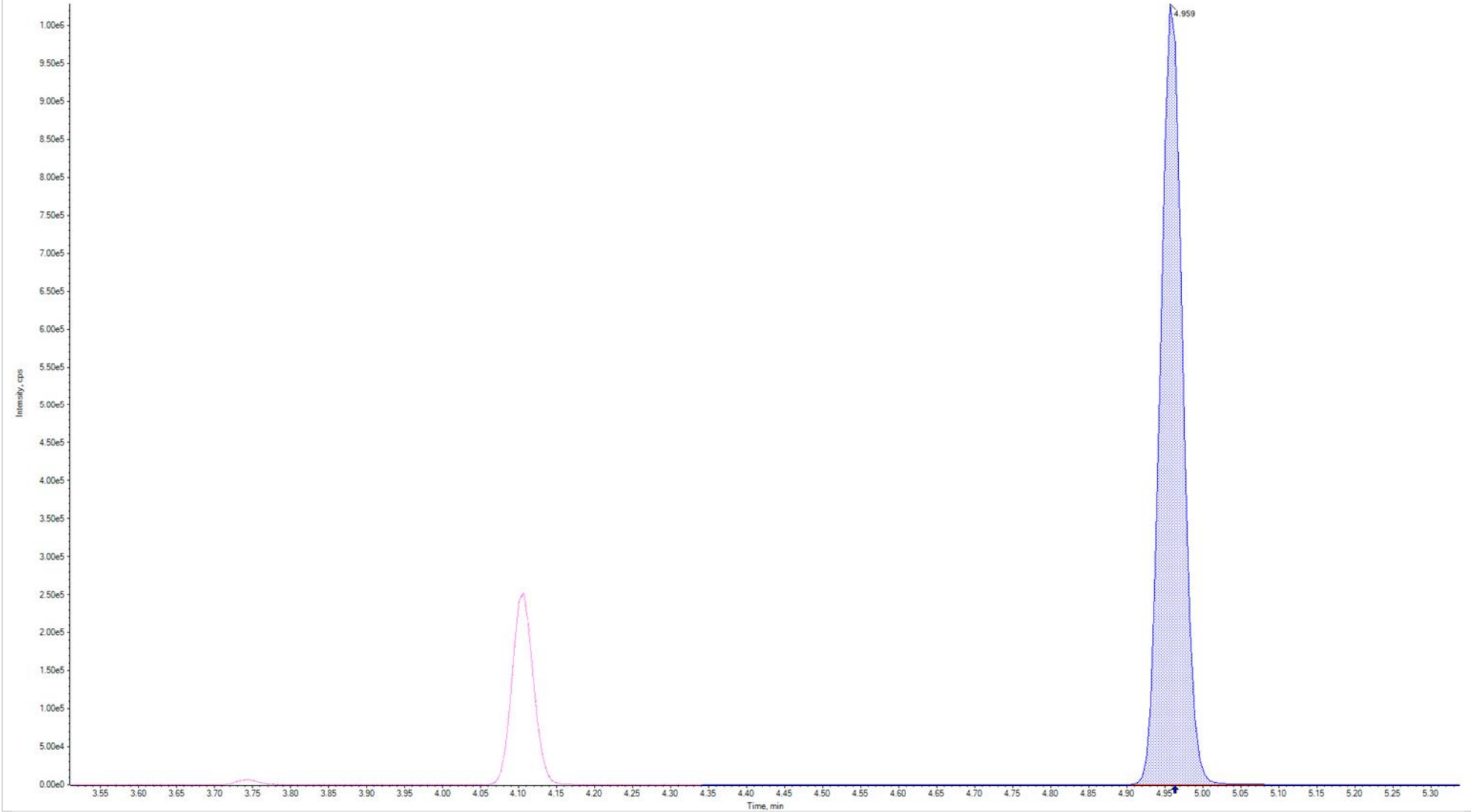
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Alpha Analytical LLC
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Last Altered: 12/17/2024 2:10:27 AM
Generated: 12/16/2024 8:47:17 PM

PFNS_2
Sample: CA1633STD-10 S/N:7260.1 Points Across peak:37



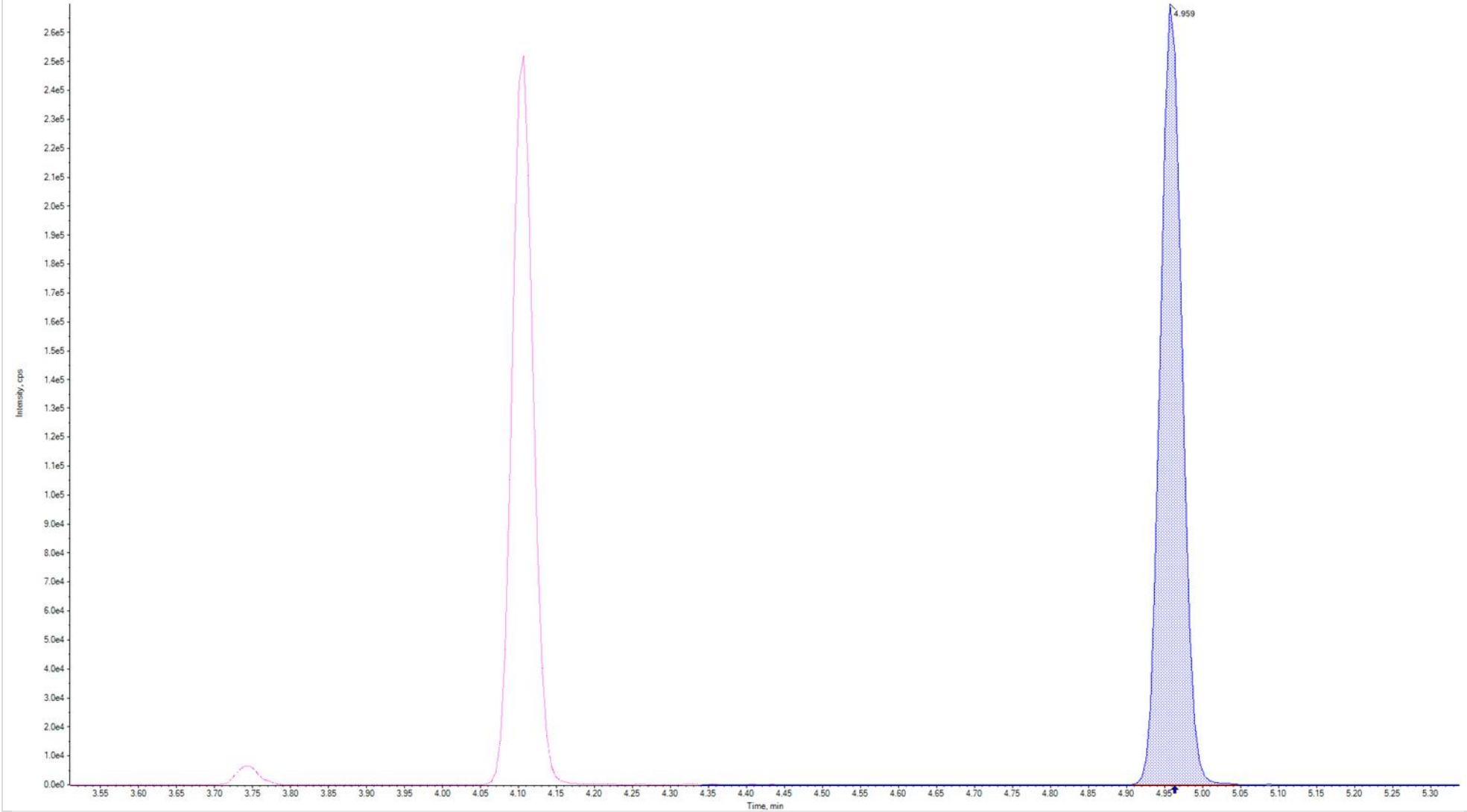
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_22.wiff2_3
Last Altered: 12/17/2024 2:10:27 AM
Generated: 12/16/2024 8:47:17 PM

PFDS
Sample: CA1633STD-10 S/N:6853.4 Points Across peak:34



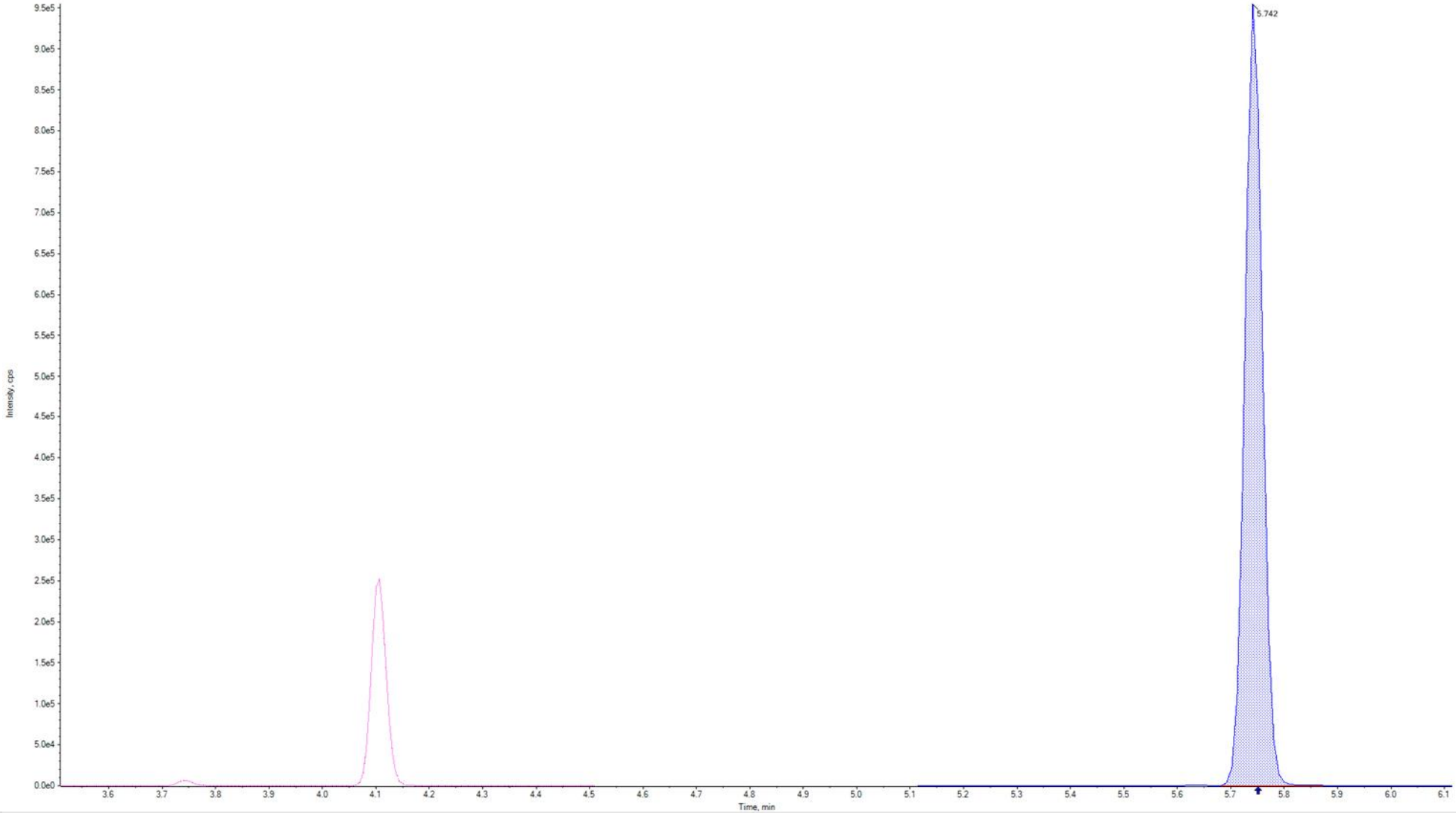
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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PFDS_2
Sample: CA1633STD-10 S/N:7579.6 Points Across peak:27

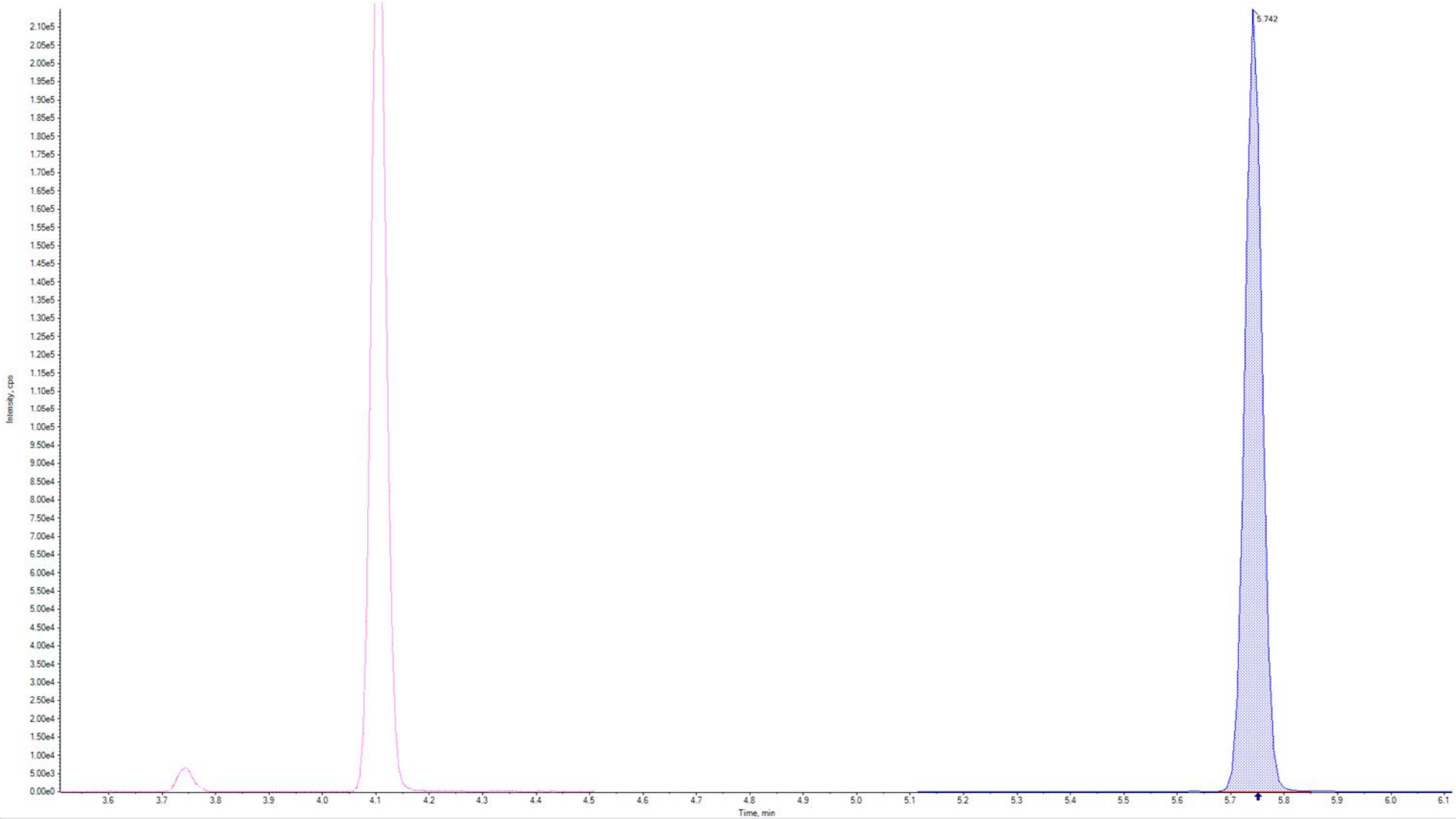


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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PFDoS
Sample: CA1633STD-10 S/N:9969.0 Points Across peak:24

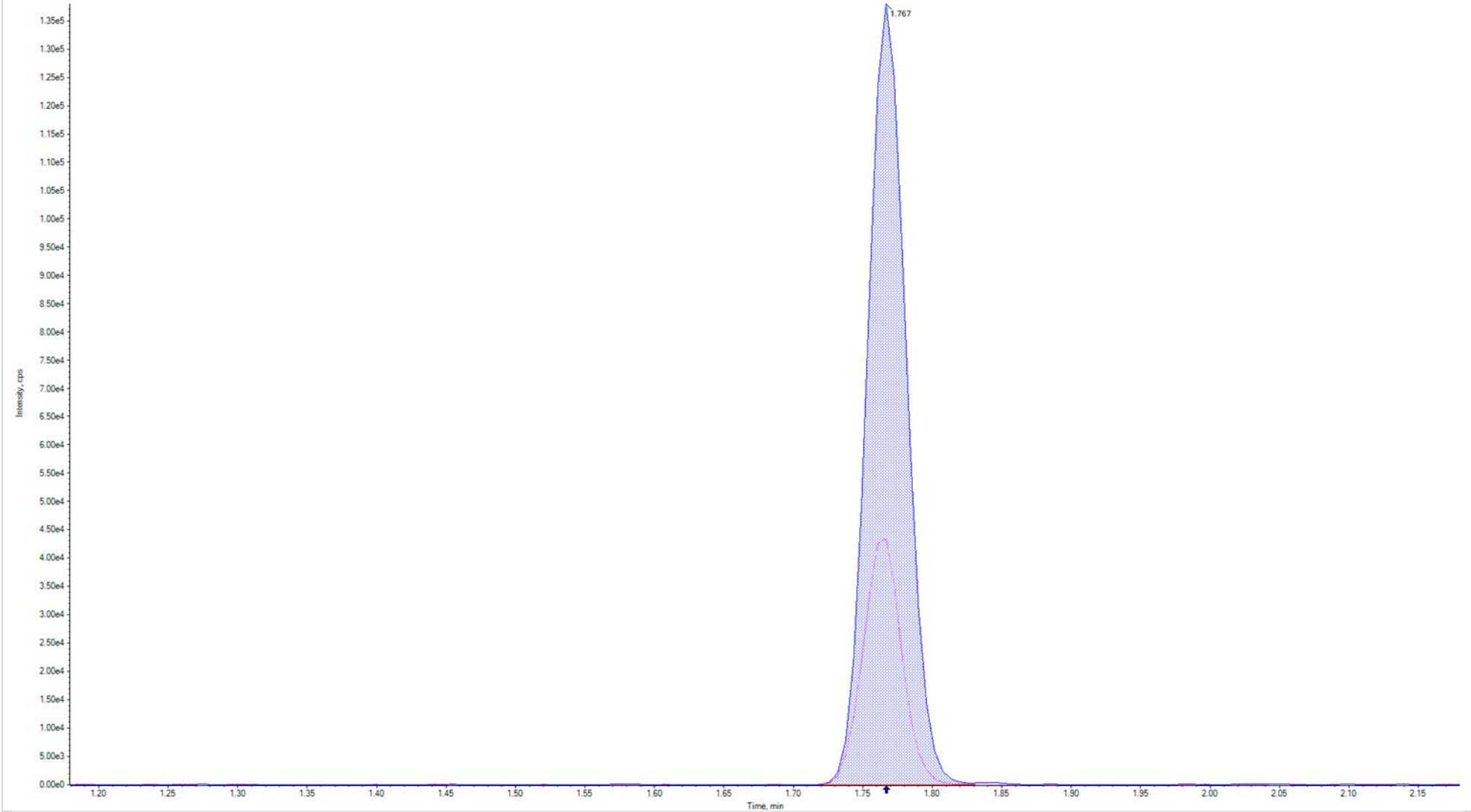


PFDoS_2
Sample: CA1633STD-10 S/N:16700.4 Points Across peak:21



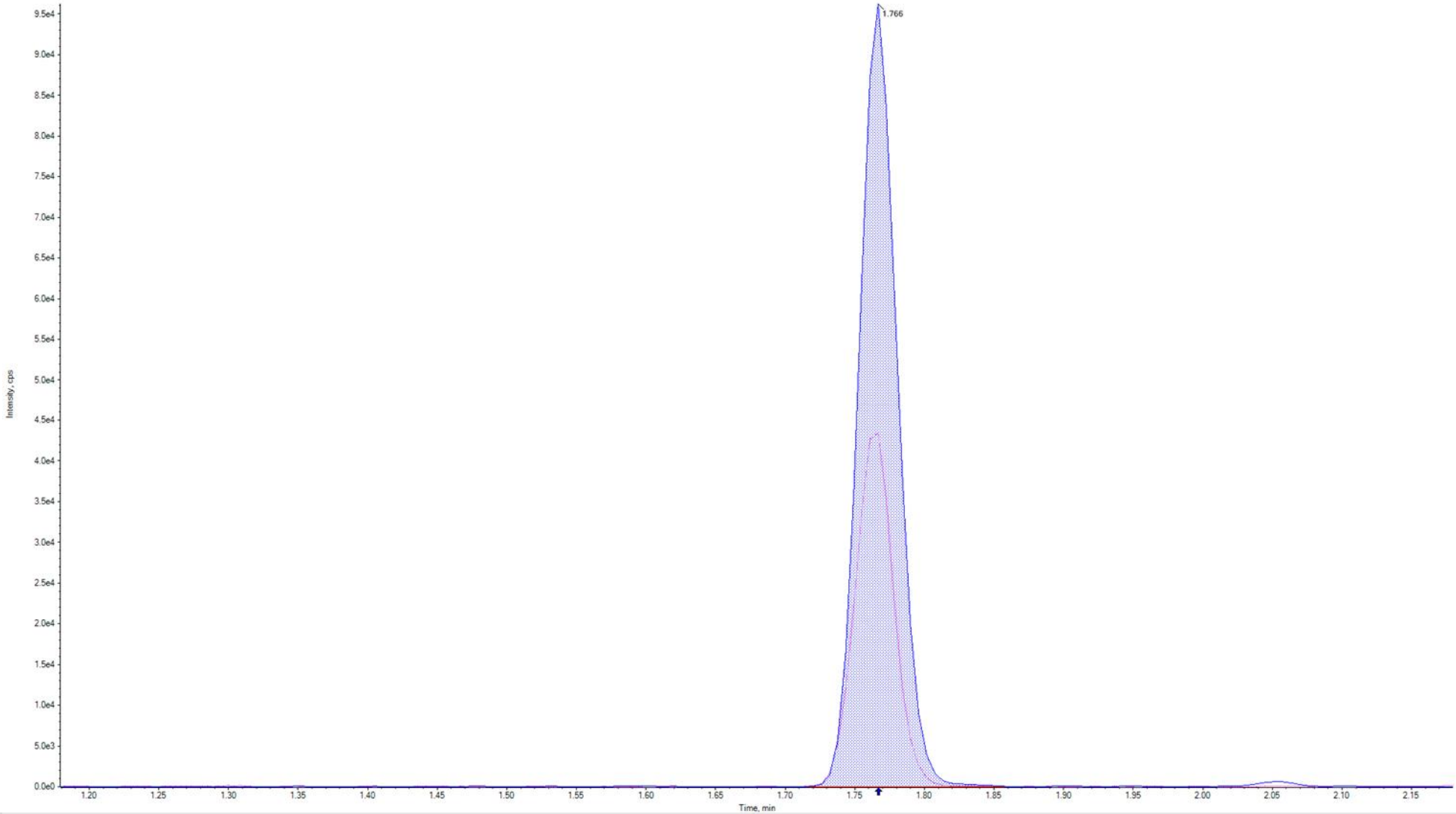
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_22.wiff2_3
Last Altered: 12/17/2024 2:10:27 AM
Generated: 12/16/2024 8:47:17 PM

4:2FTS
Sample: CA1633STD-10 S/N:3088.3 Points Across peak:21



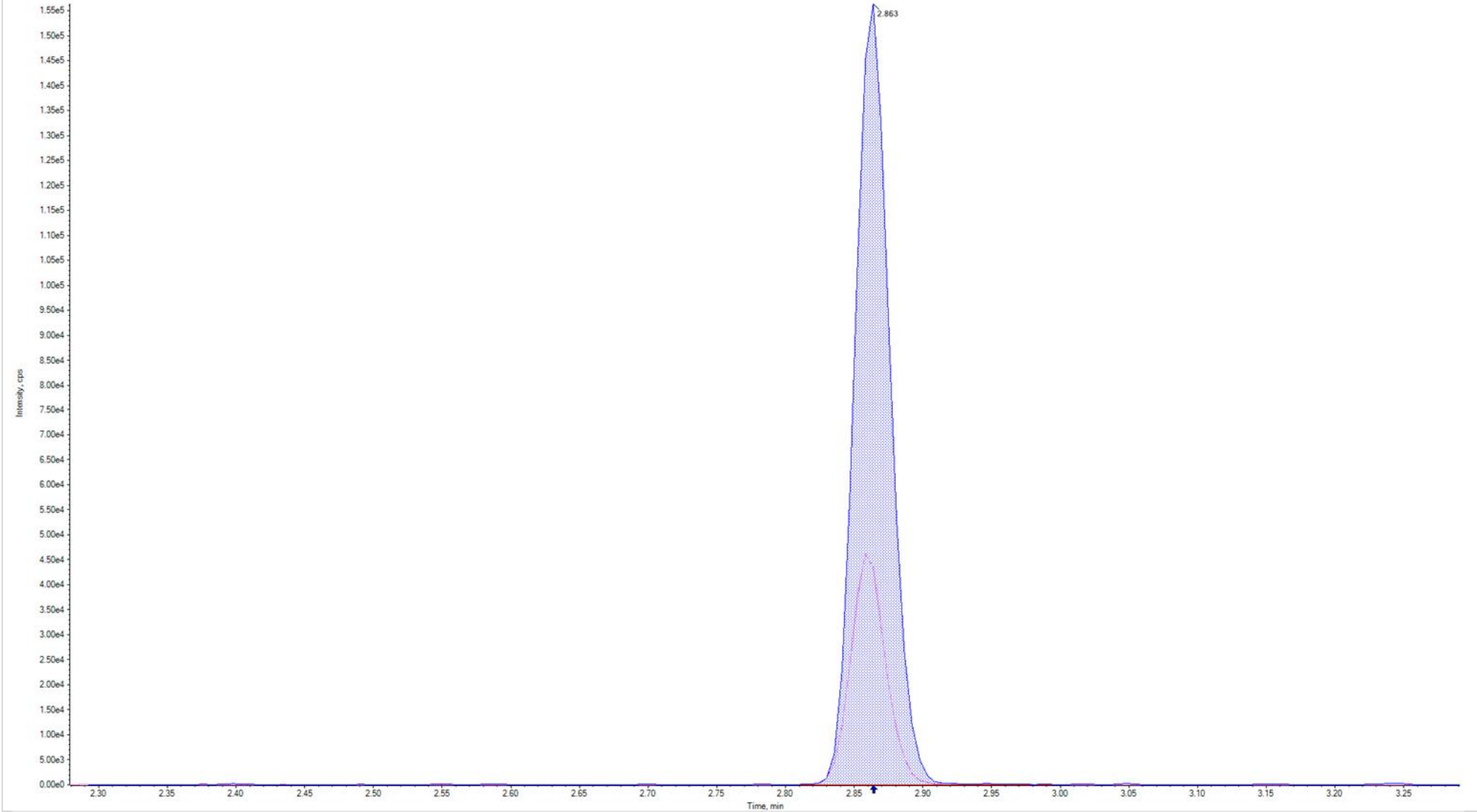
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/17/2024 2:10:27 AM
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4:2FTS_2
Sample: CA1633STD-10 S/N:2583.2 Points Across peak:30



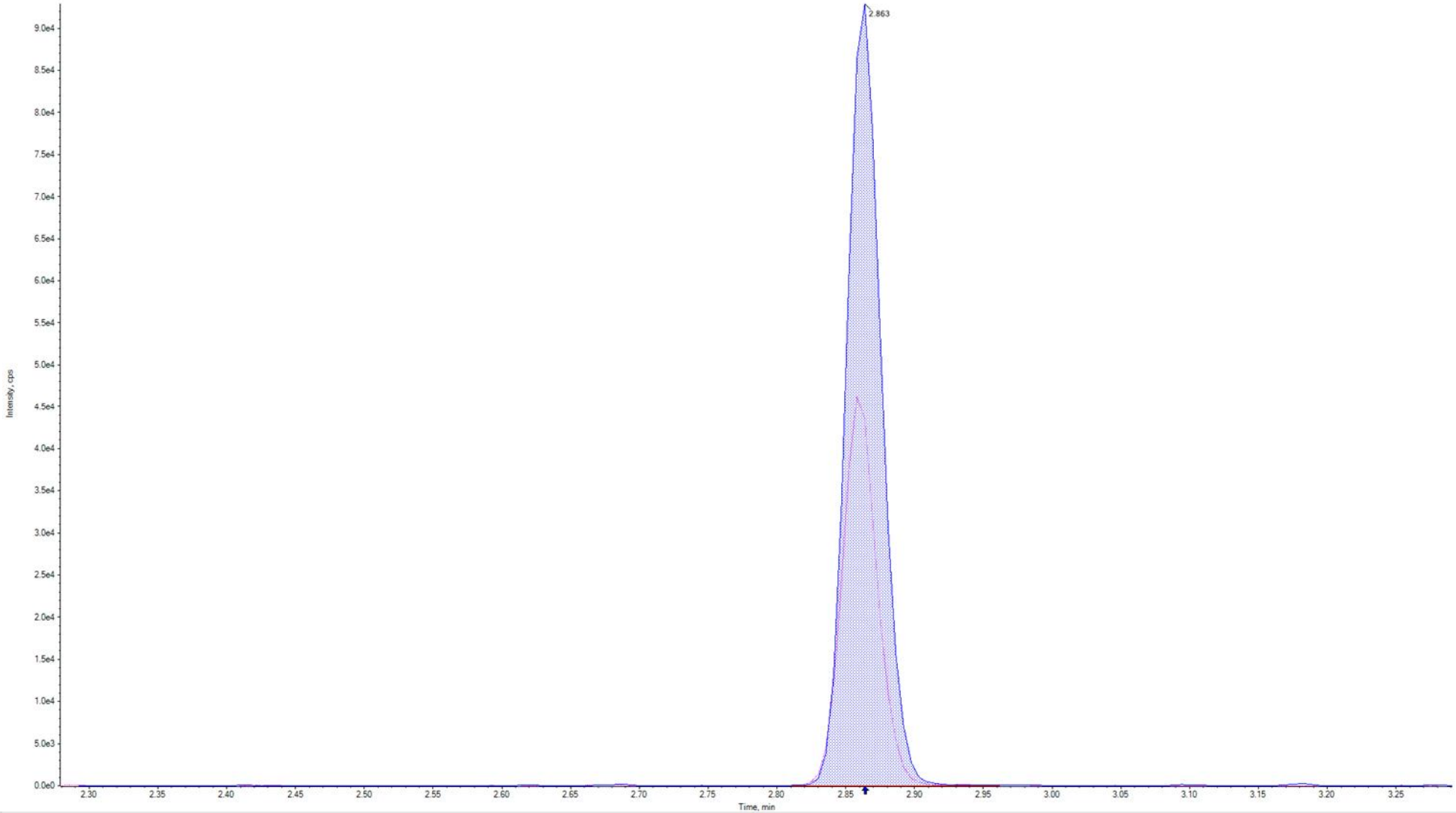
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Alpha Analytical LLC
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Last Altered: 12/17/2024 2:10:27 AM
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6:2FTS
Sample: CA1633STD-10 S/N:3134.4 Points Across peak:37



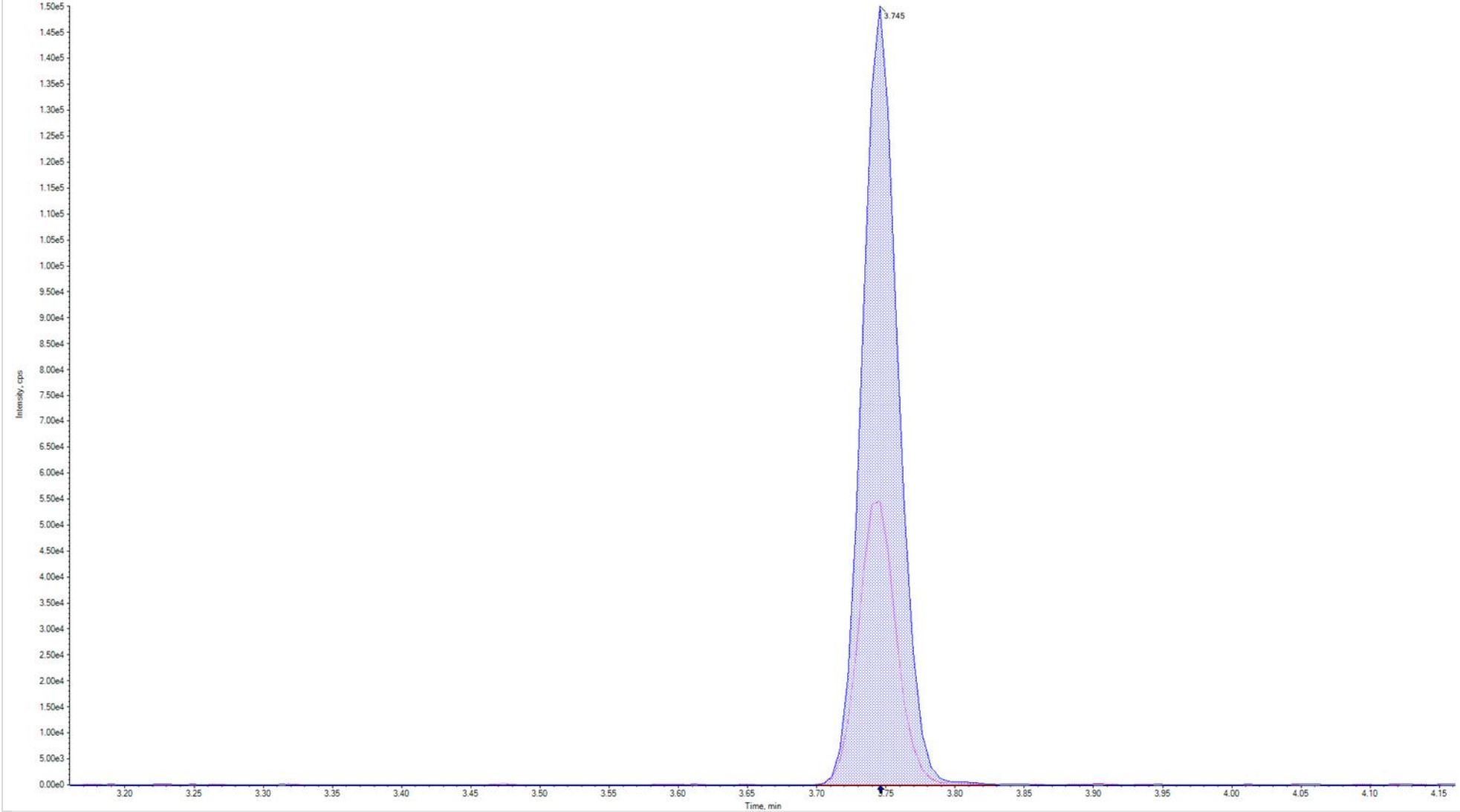
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/17/2024 2:10:27 AM
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6:2FTS_2
Sample: CA1633STD-10 S/N:1862.7 Points Across peak:30



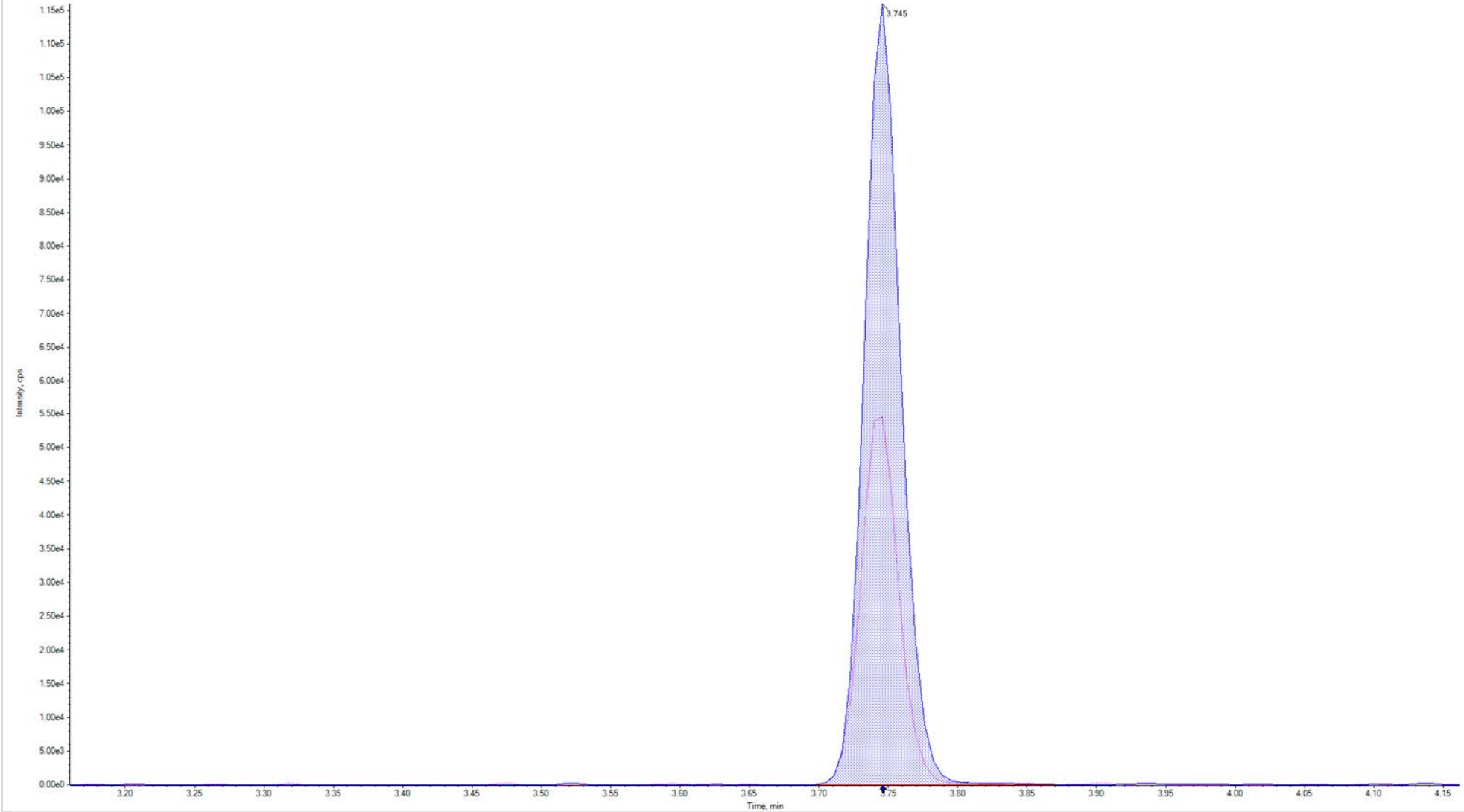
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/17/2024 2:10:27 AM
Generated: 12/16/2024 8:47:17 PM

8:2FTS
Sample: CA1633STD-10 S/N:3008.7 Points Across peak:24



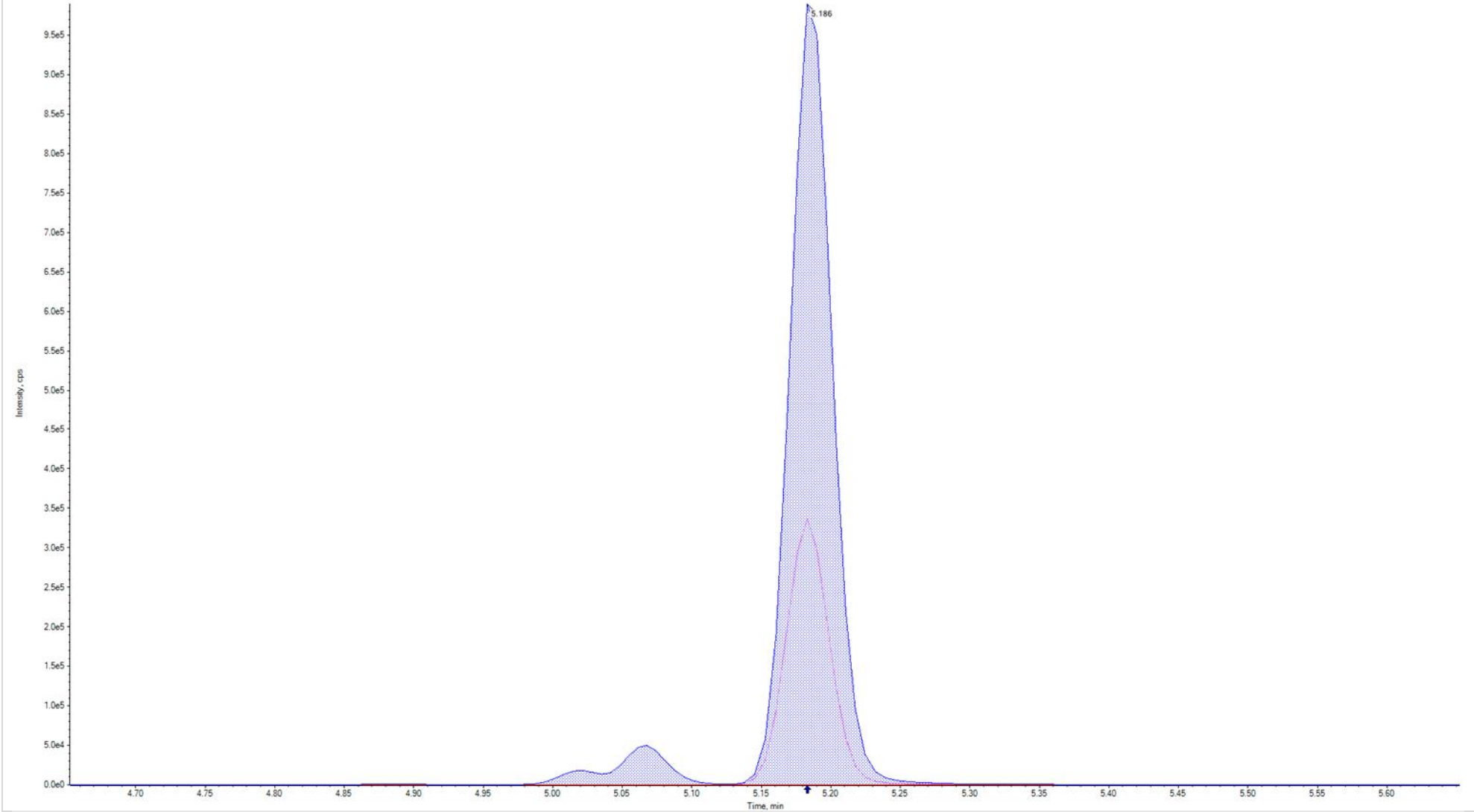
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/17/2024 2:10:27 AM
Generated: 12/16/2024 8:47:17 PM

8:2FTS_2
Sample: CA1633STD-10 S/N:2325.2 Points Across peak:36



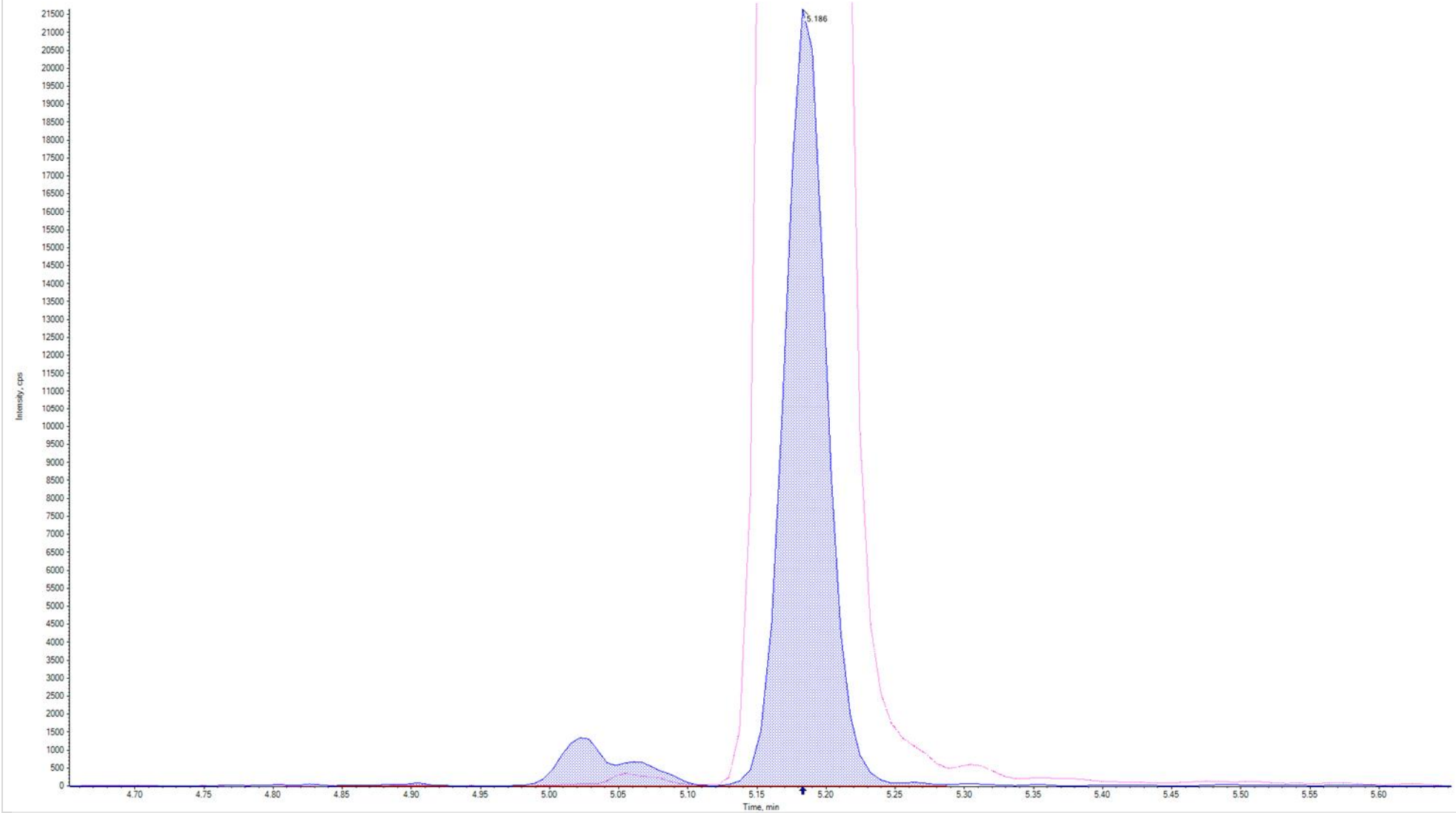
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Alpha Analytical LLC
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Last Altered: 12/17/2024 2:10:27 AM
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PFOSA
Sample: CA1633STD-10 S/N:1214.3 Points Across peak:87



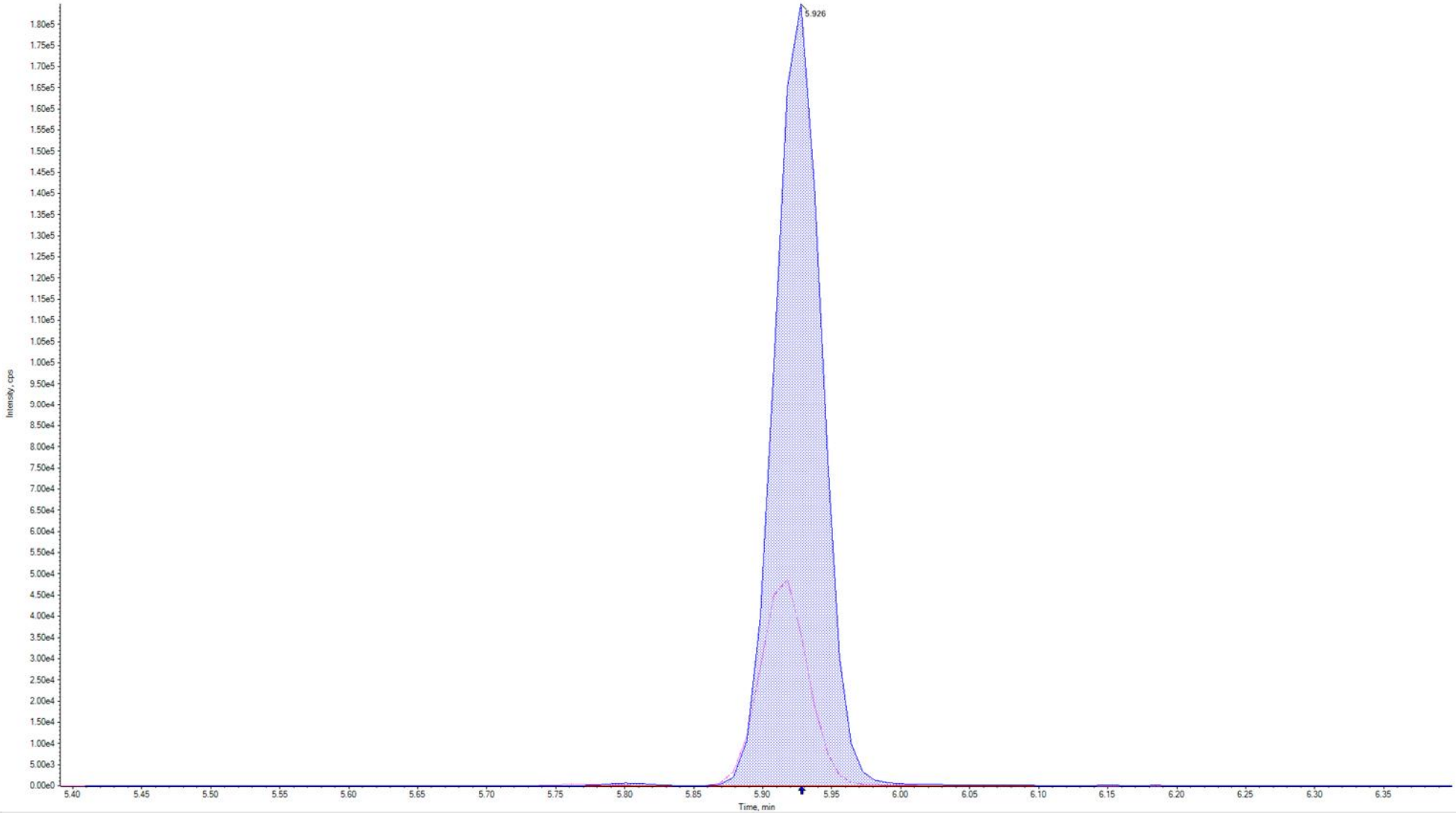
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Alpha Analytical LLC
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PFOSA_2
Sample: CA1633STD-10 S/N:601.4 Points Across peak:69



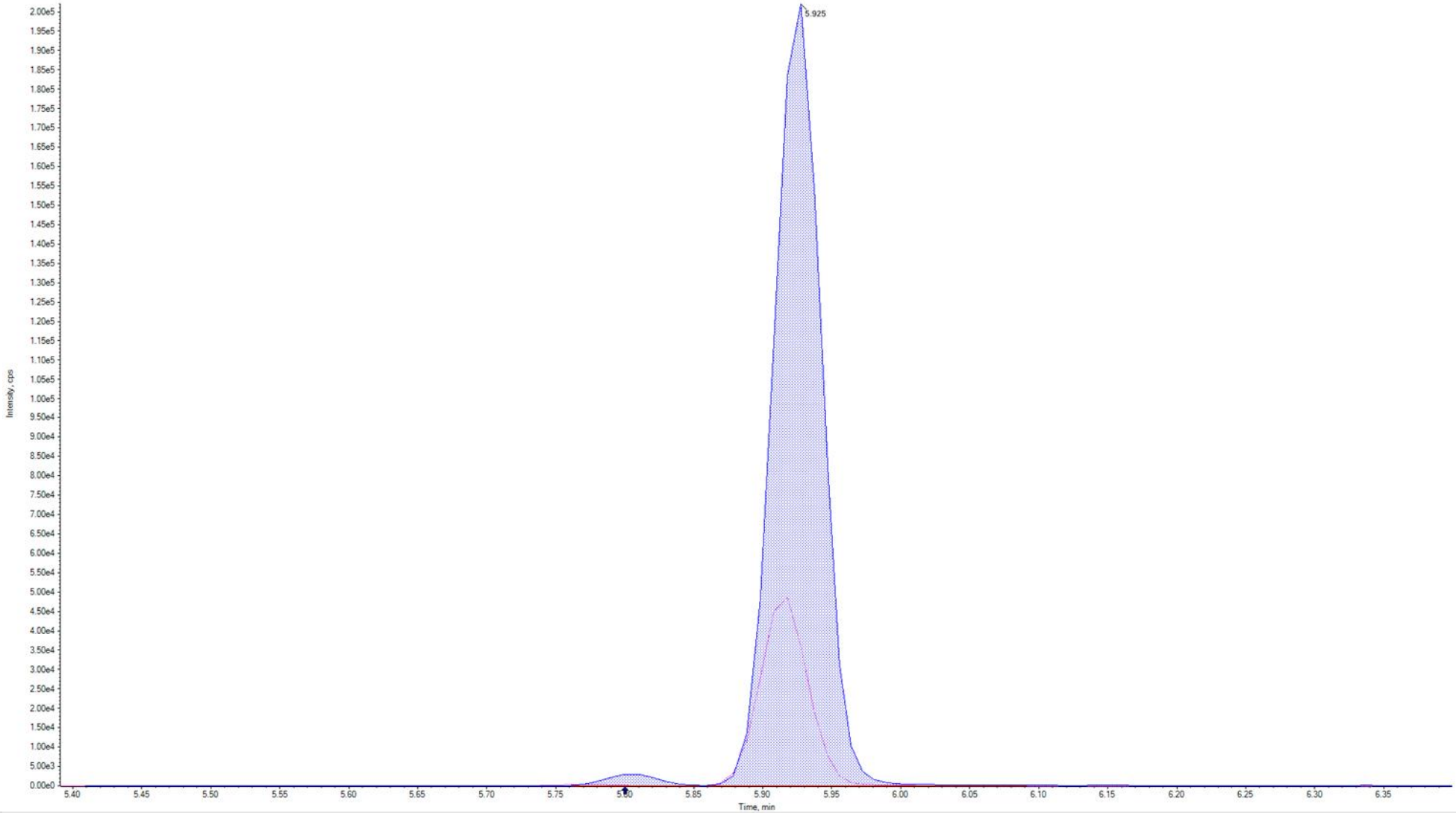
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Alpha Analytical LLC
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Last Altered: 12/17/2024 2:10:27 AM
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NMeFOSA
Sample: CA1633STD-10 S/N:1700.6 Points Across peak:44



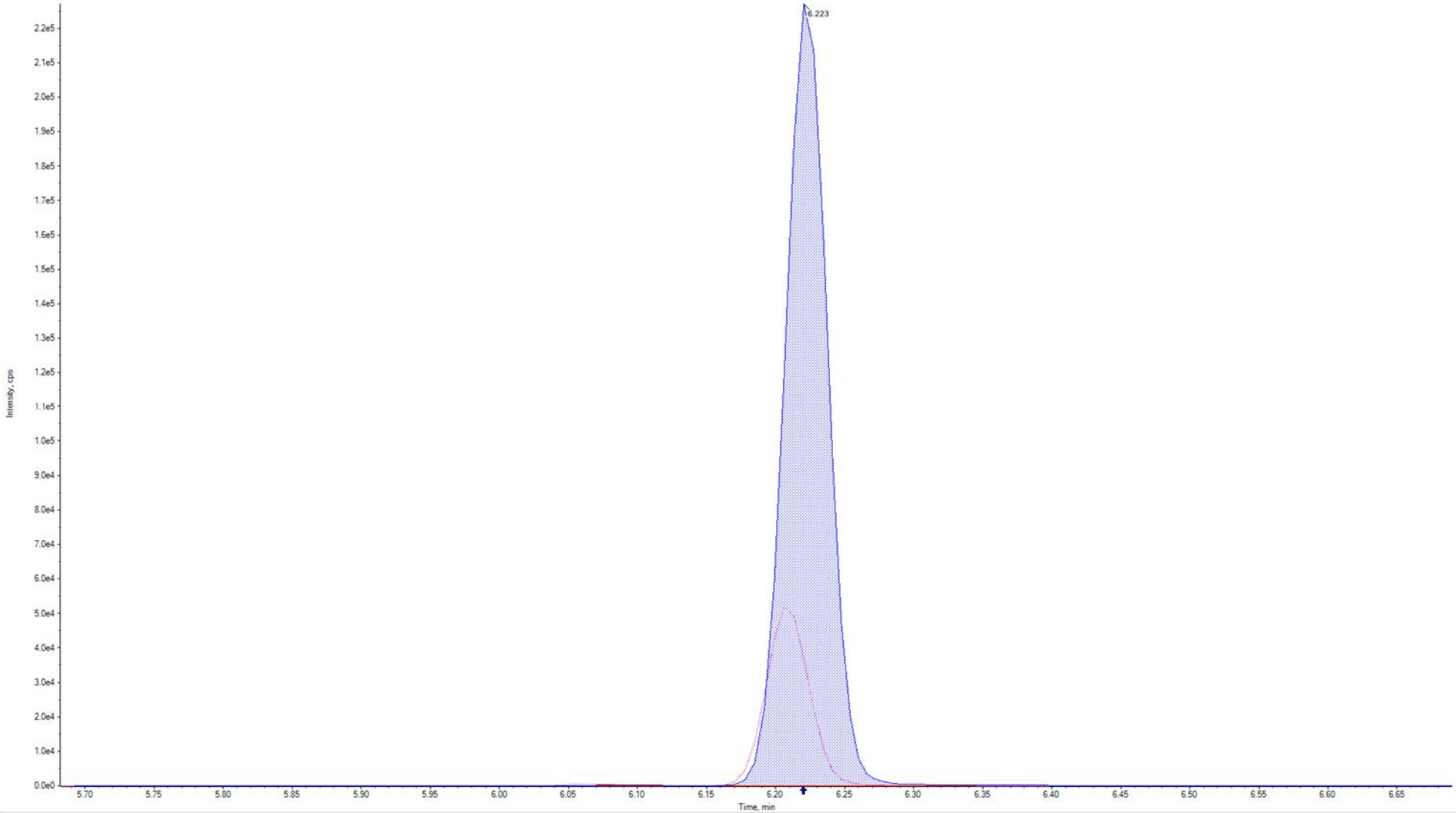
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Alpha Analytical LLC
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Last Altered: 12/17/2024 2:10:27 AM
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NMeFOSA_2
Sample: CA1633STD-10 S/N:1442.7 Points Across peak:43



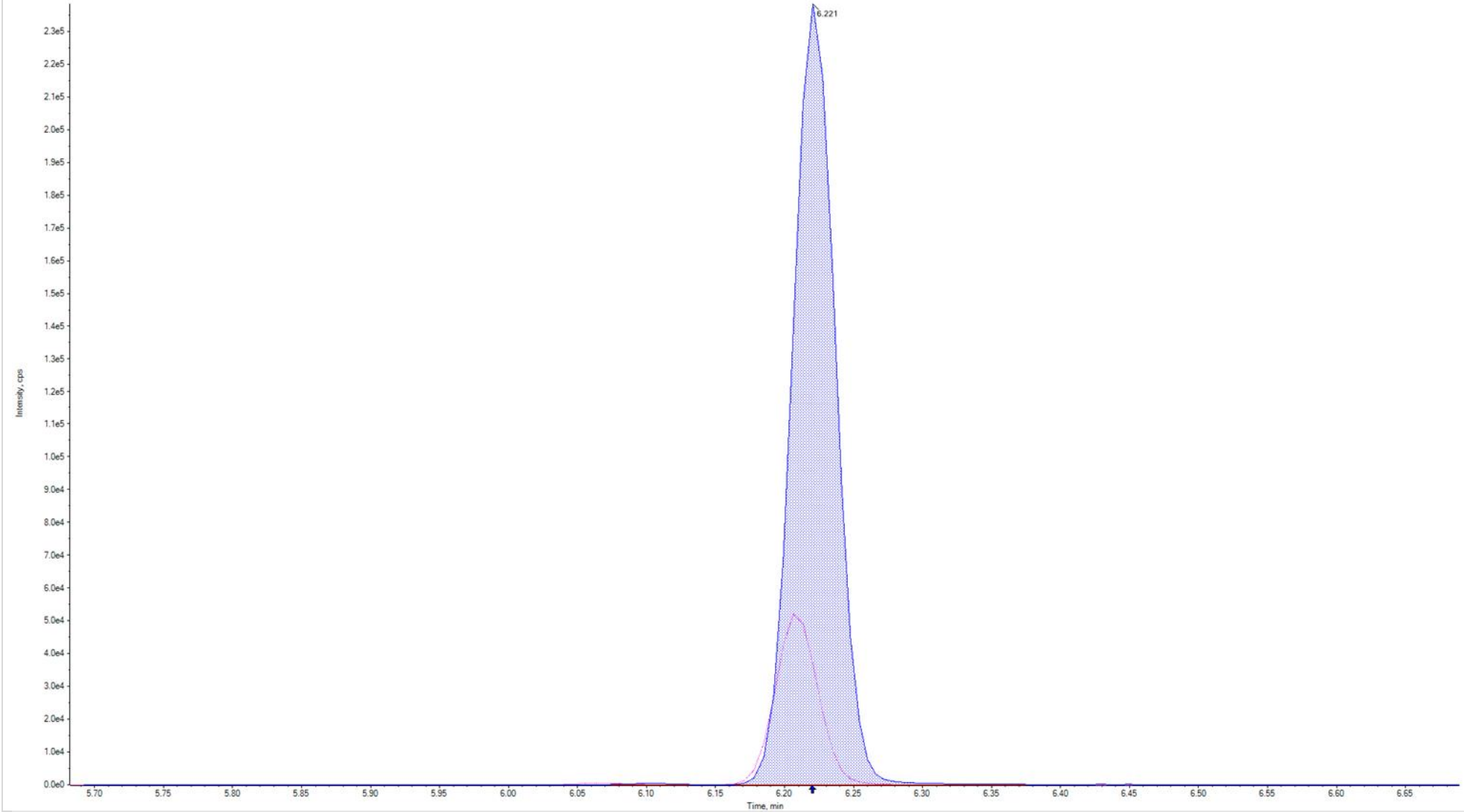
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Alpha Analytical LLC
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Last Altered: 12/17/2024 2:10:27 AM
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NEtFOSA
Sample: CA1633STD-10 S/N:3781.7 Points Across peak:45



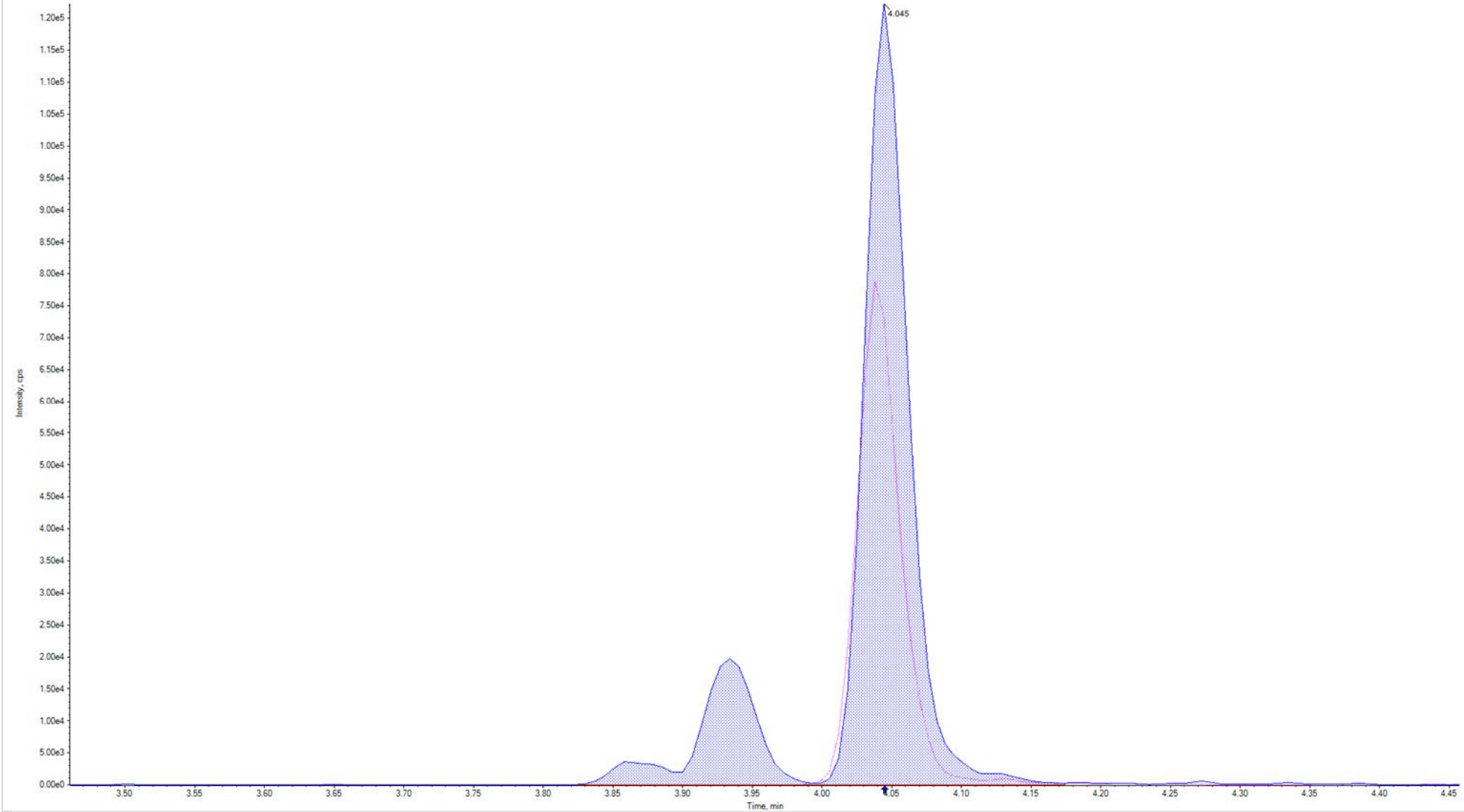
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Alpha Analytical LLC
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Last Altered: 12/17/2024 2:10:27 AM
Generated: 12/16/2024 8:47:17 PM

NEtFOSA_2
Sample: CA1633STD-10 S/N:2890.3 Points Across peak:52



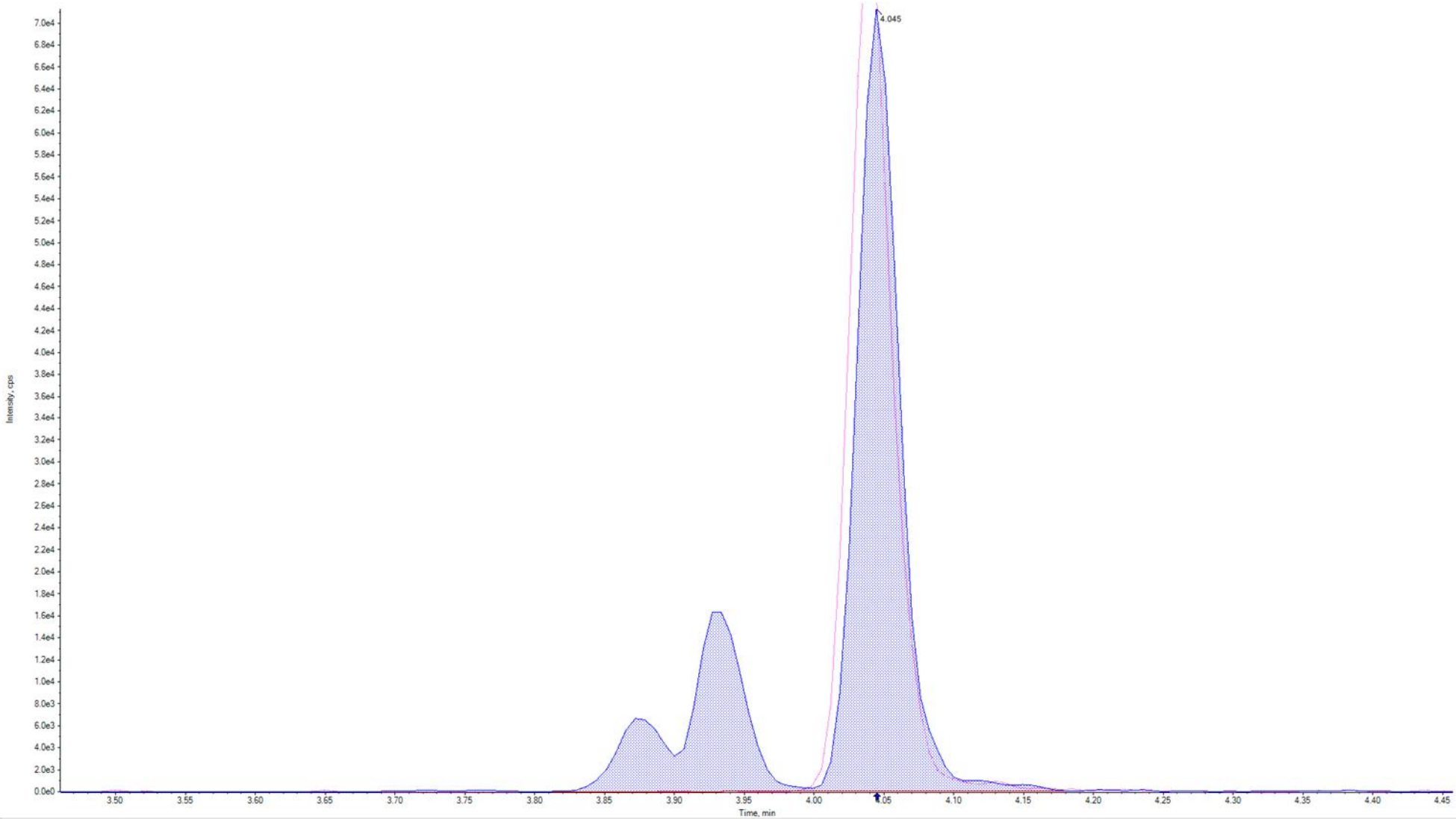
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Alpha Analytical LLC
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Last Altered: 12/17/2024 2:10:27 AM
Generated: 12/16/2024 8:47:17 PM

NMeFOSAA
Sample: CA1633STD-10 S/N:481.4 Points Across peak:57



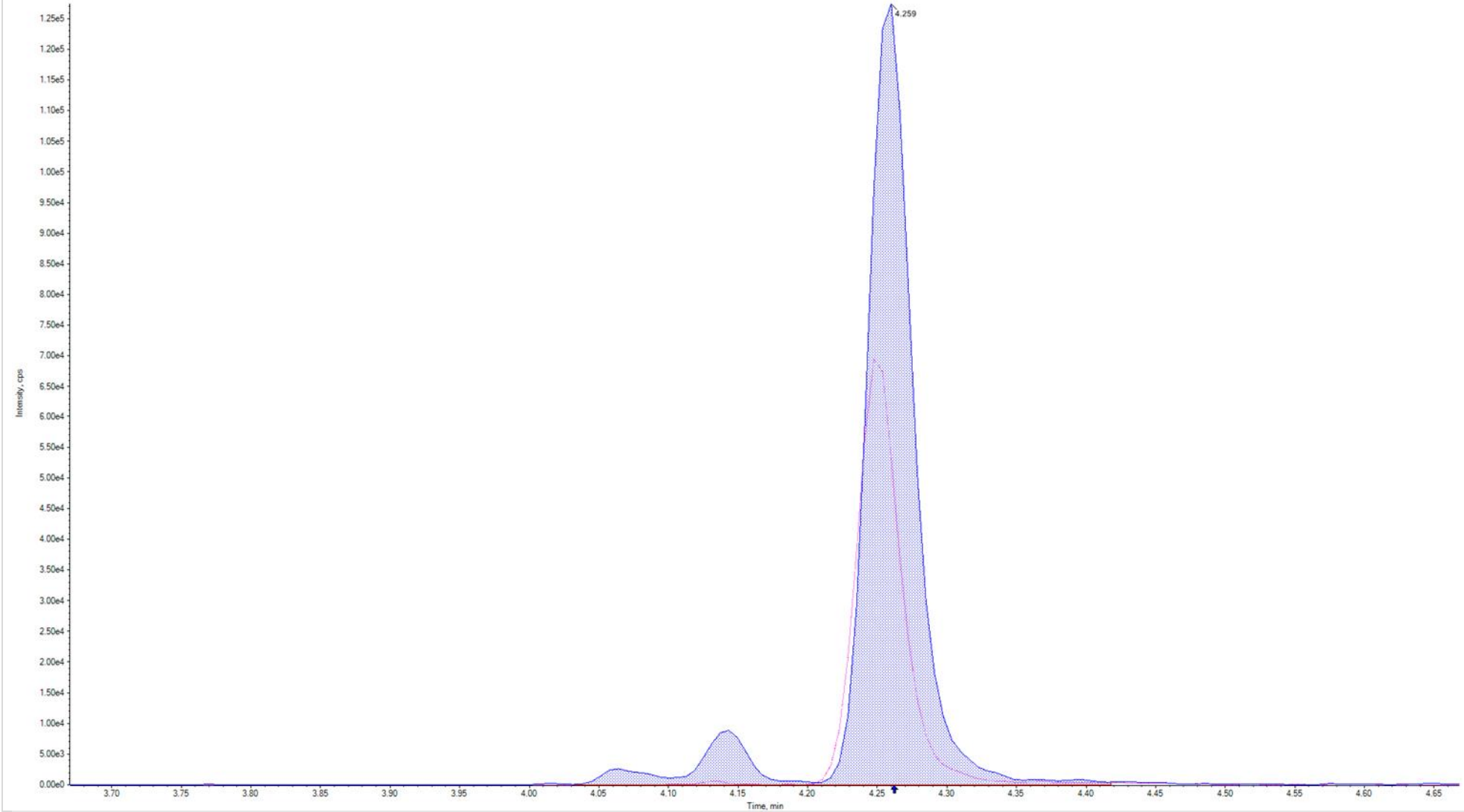
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Alpha Analytical LLC
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Last Altered: 12/17/2024 2:10:27 AM
Generated: 12/16/2024 8:47:17 PM

NMeFOSAA_2
Sample: CA1633STD-10 S/N:326.6 Points Across peak:61



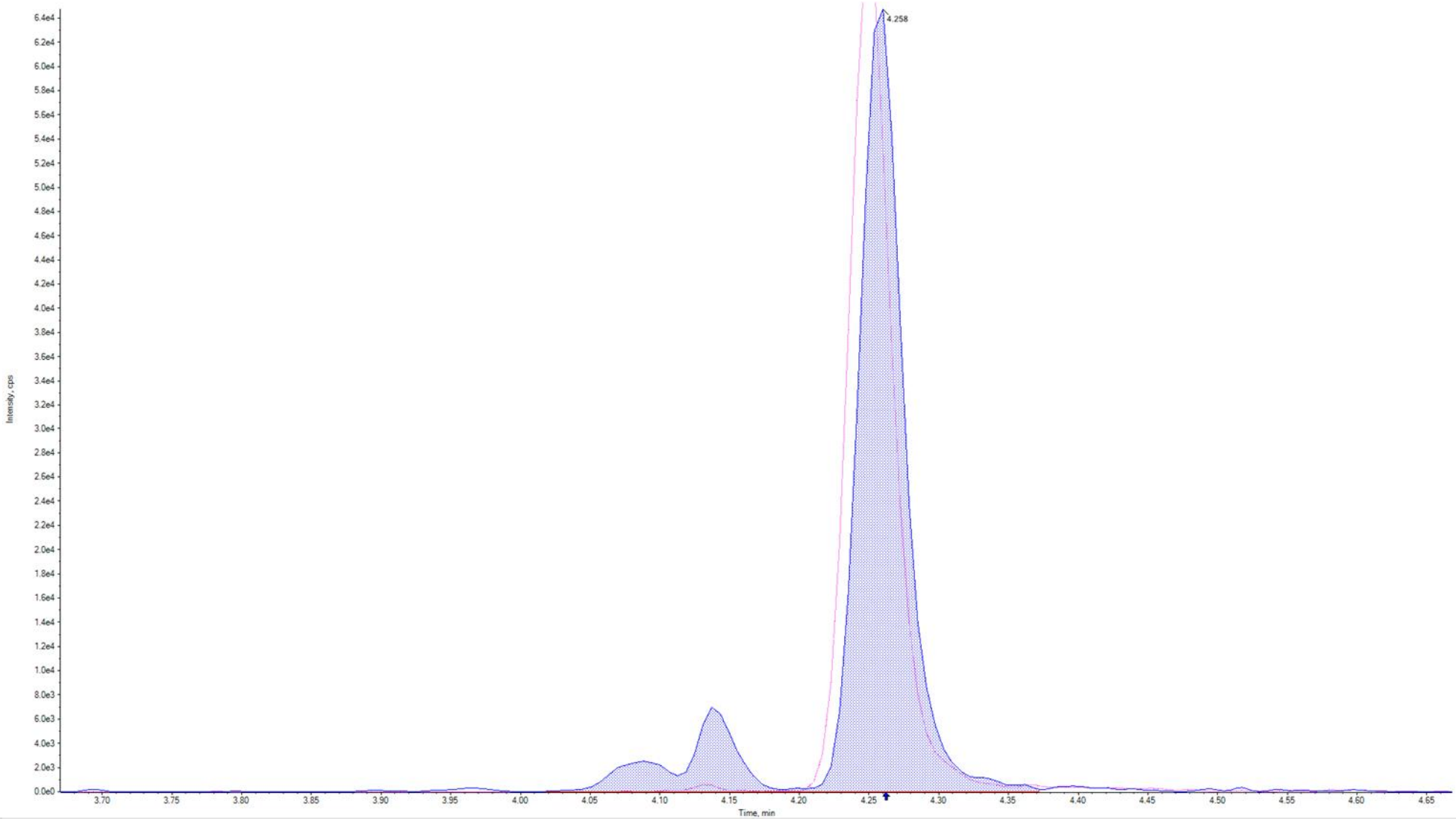
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Alpha Analytical LLC
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Last Altered: 12/17/2024 2:10:27 AM
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NEtFOSAA
Sample: CA1633STD-10 S/N:578.6 Points Across peak:65



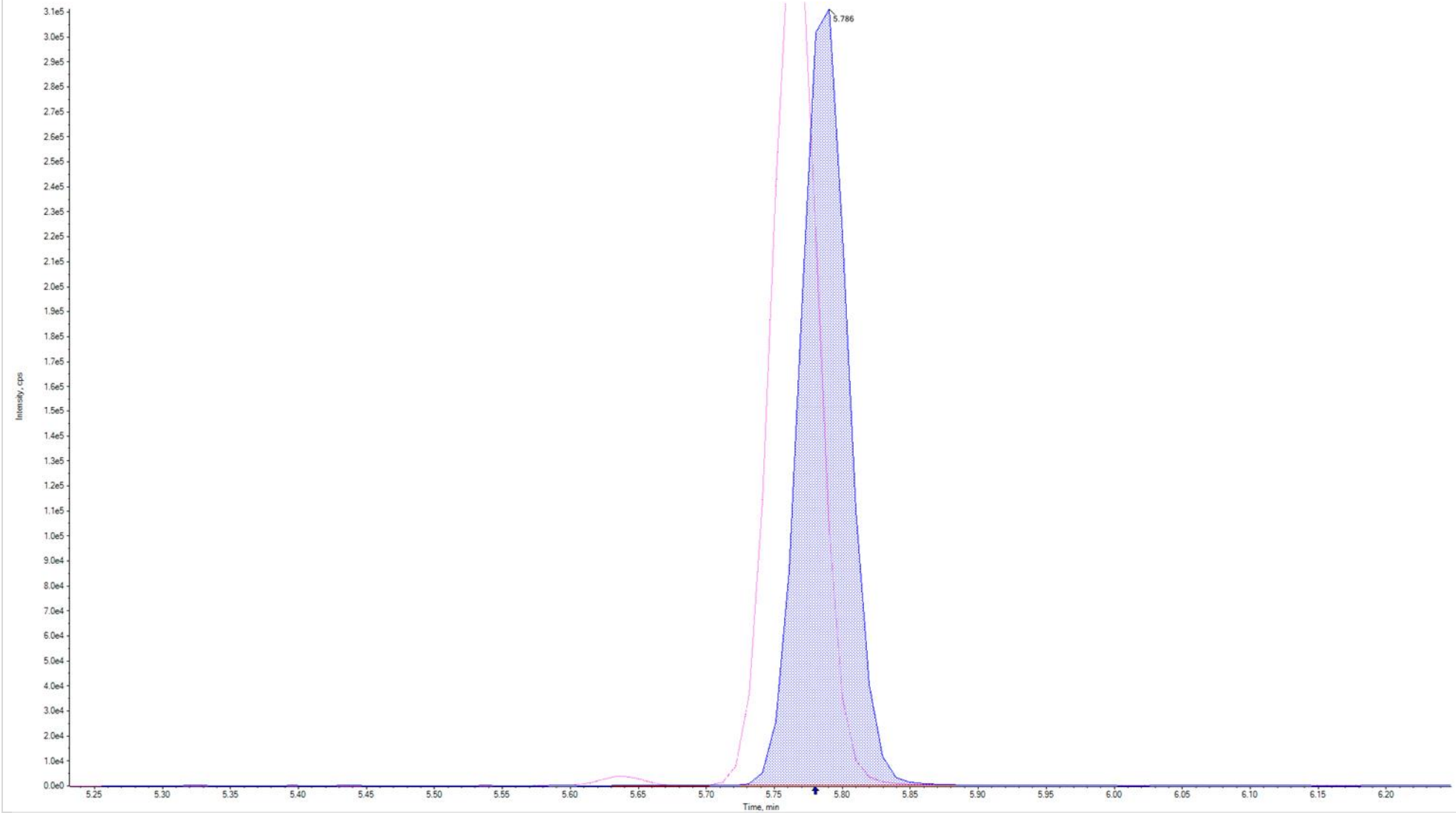
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Alpha Analytical LLC
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NEtFOSAA_2
Sample: CA1633STD-10 S/N:475.3 Points Across peak:60



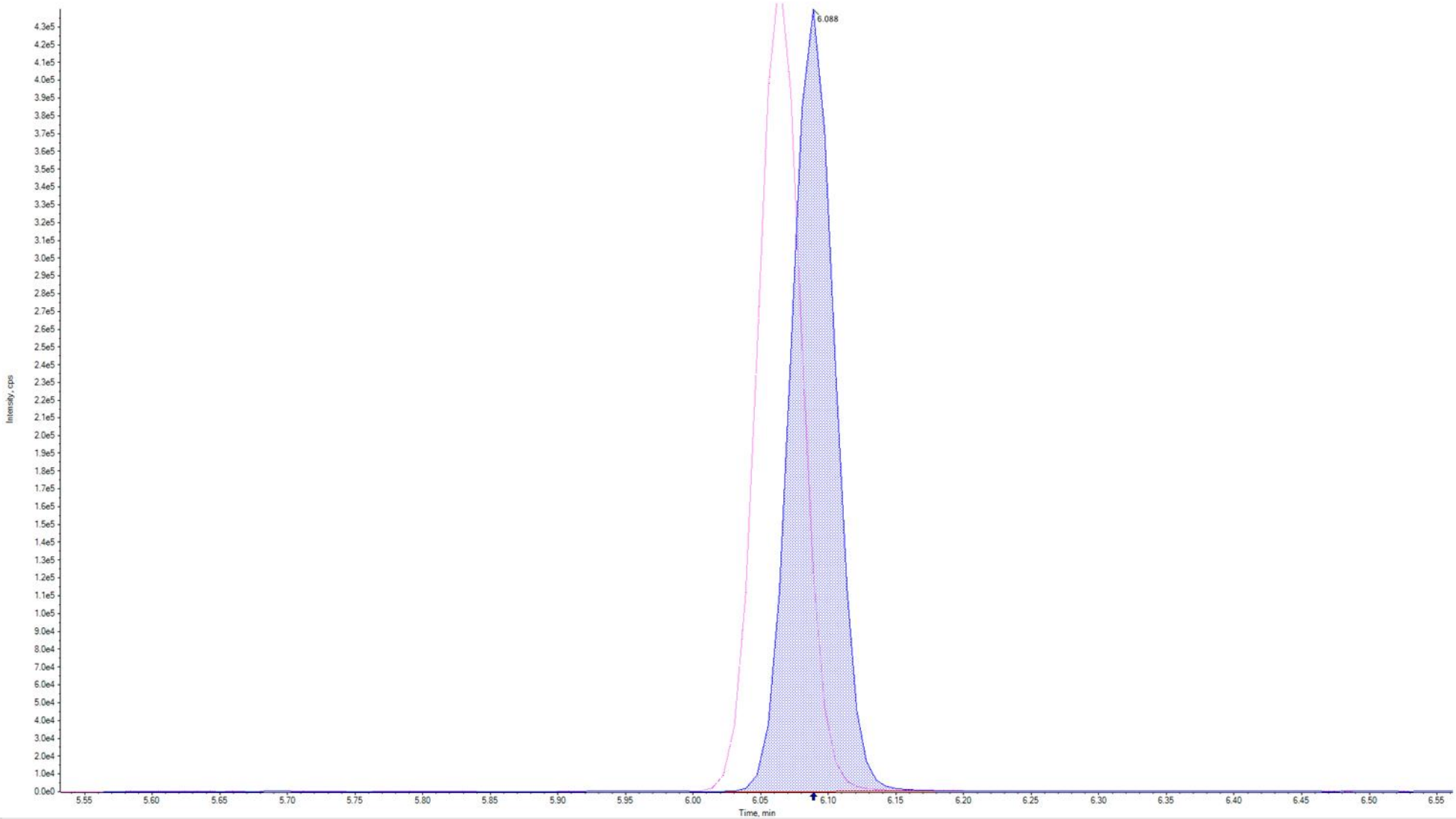
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Alpha Analytical LLC
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NMeFOSE
Sample: CA1633STD-10 S/N:1010.3 Points Across peak:34



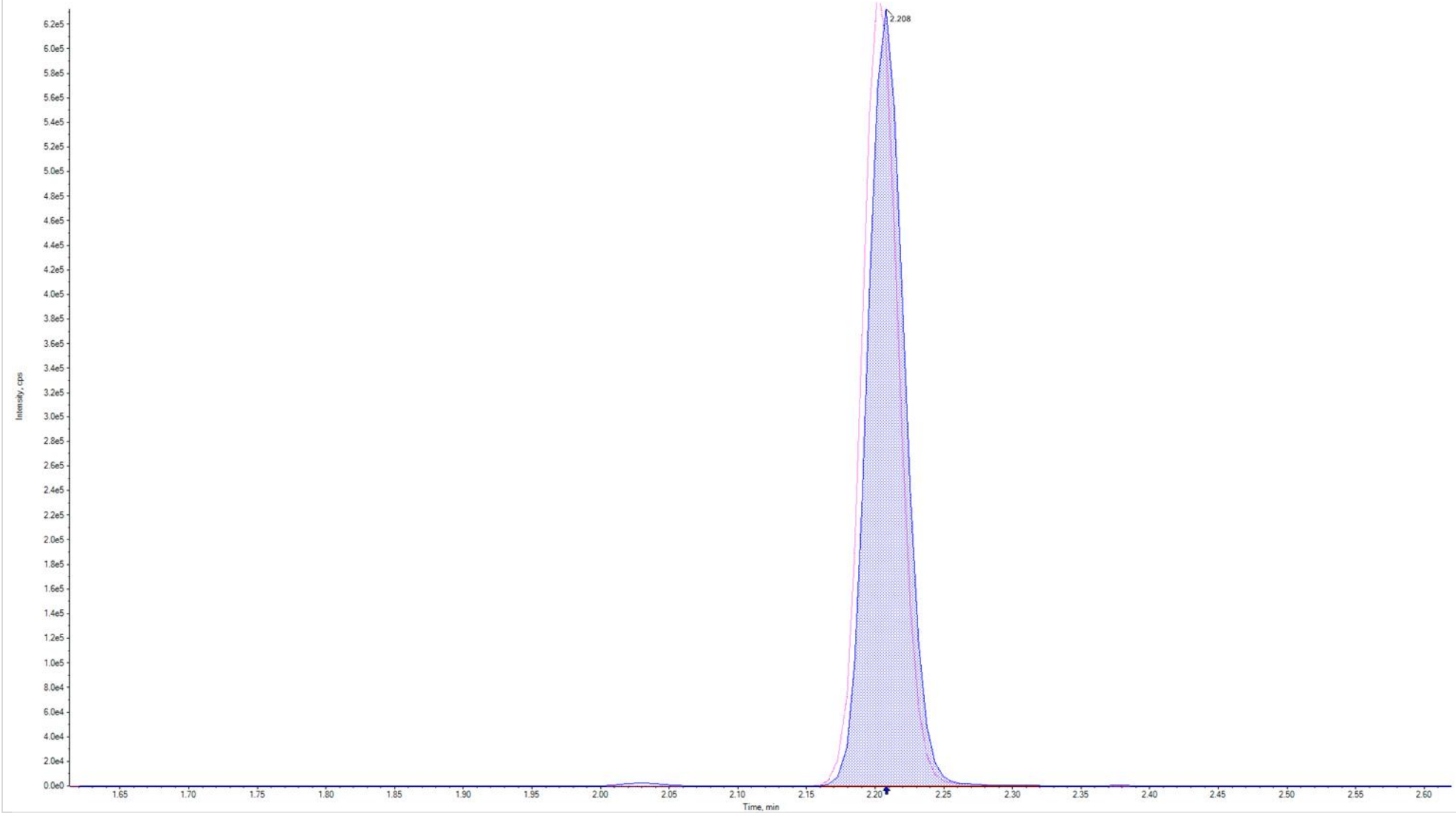
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Alpha Analytical LLC
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NEtFOSE
Sample: CA1633STD-10 S/N:1716.6 Points Across peak:41



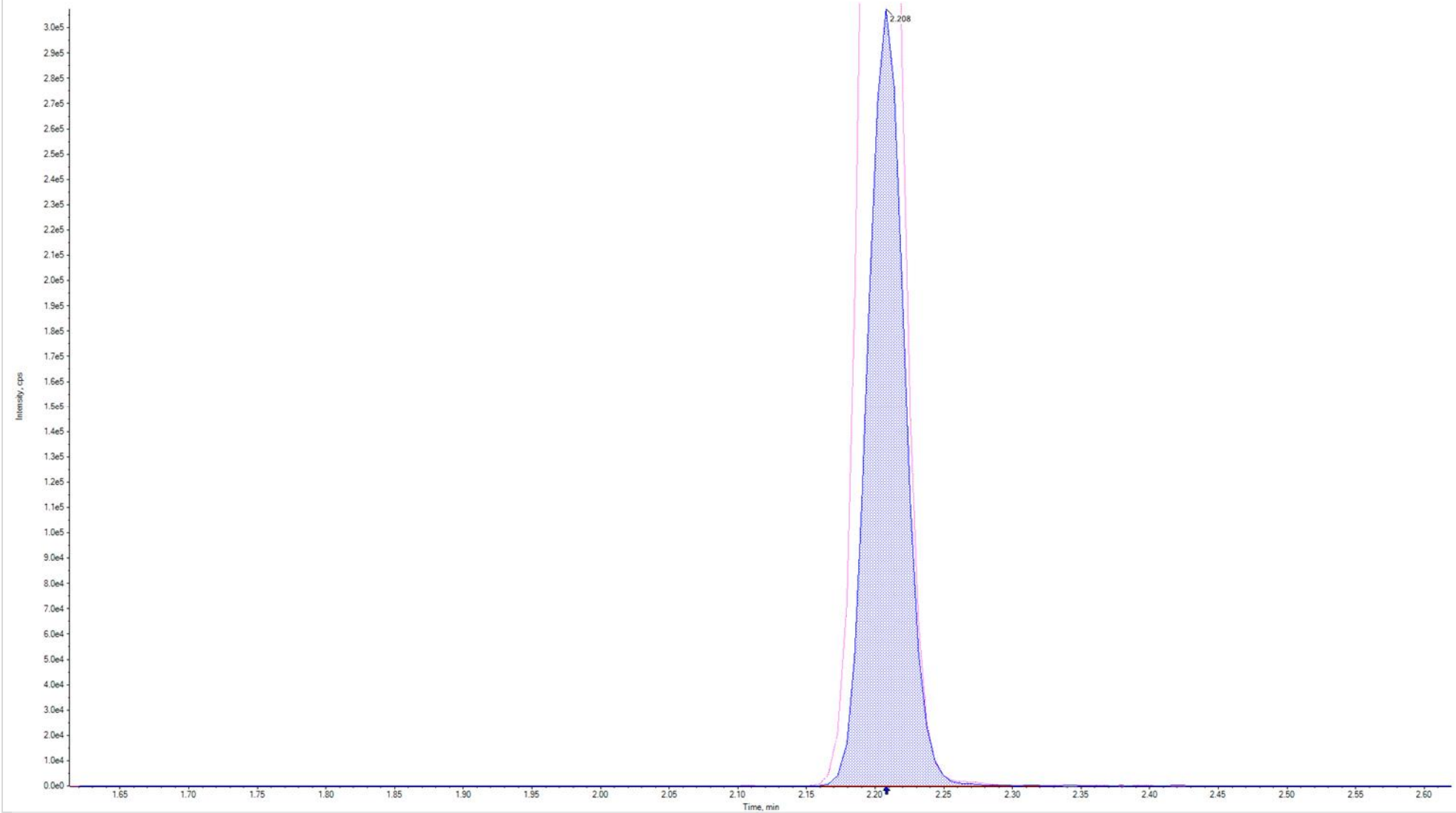
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Alpha Analytical LLC
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HFPO-DA
Sample: CA1633STD-10 S/N:3820.8 Points Across peak:36



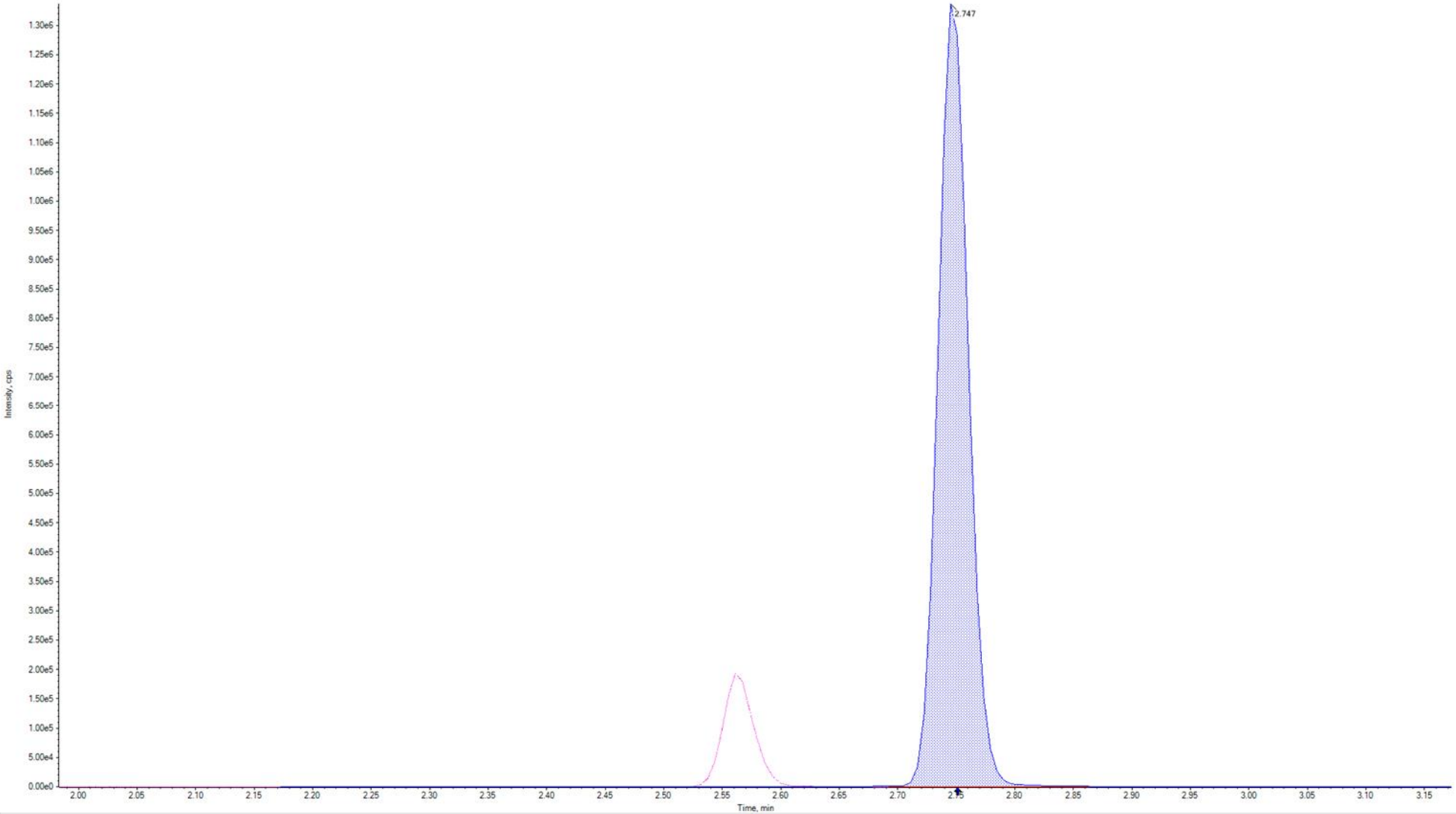
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Alpha Analytical LLC
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Last Altered: 12/17/2024 2:10:27 AM
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HFPO-DA_2
Sample: CA1633STD-10 S/N:3367.6 Points Across peak:30



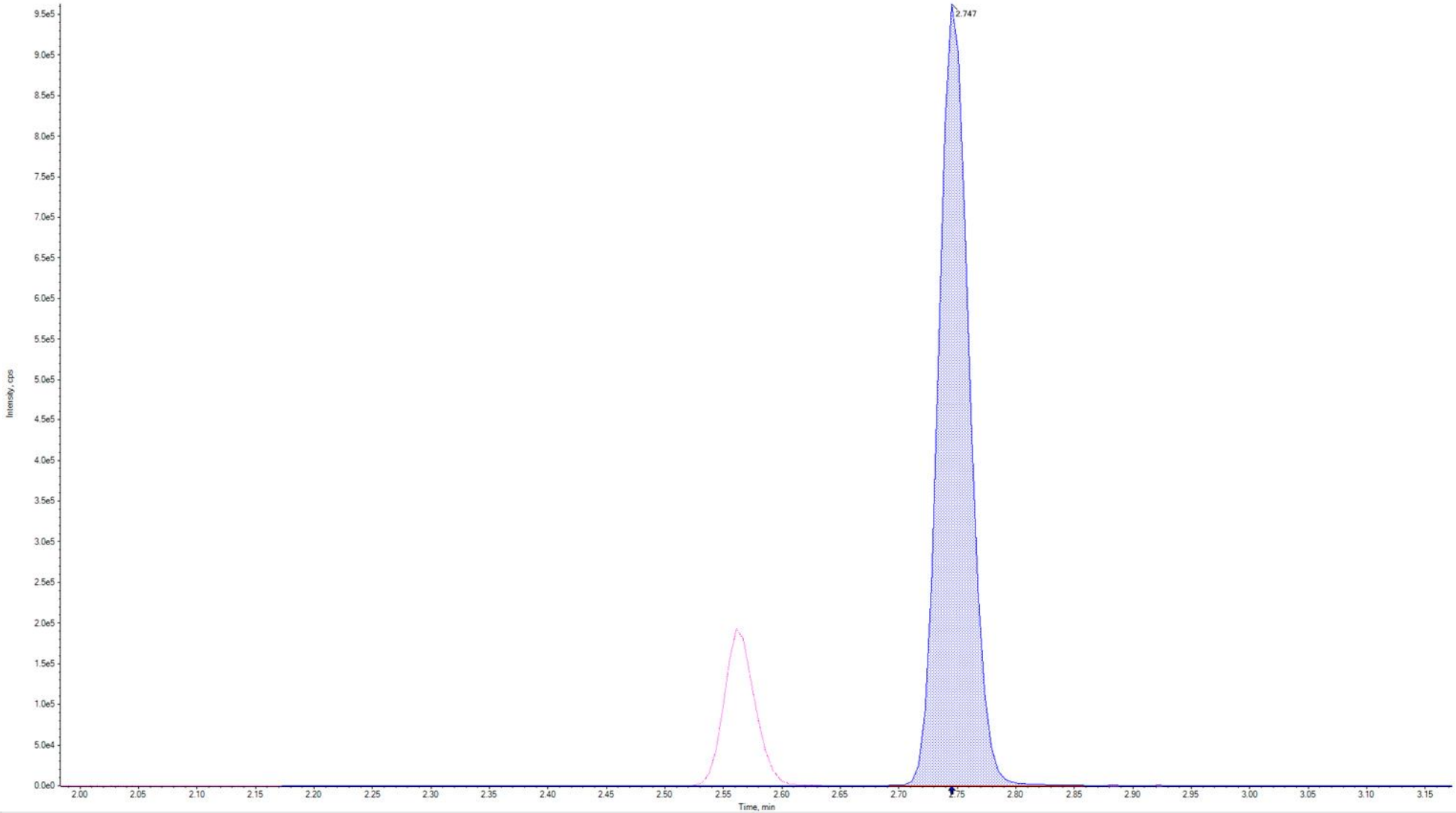
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Alpha Analytical LLC
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Generated: 12/16/2024 8:47:17 PM

ADONA
Sample: CA1633STD-10 S/N:26805.4 Points Across peak:37



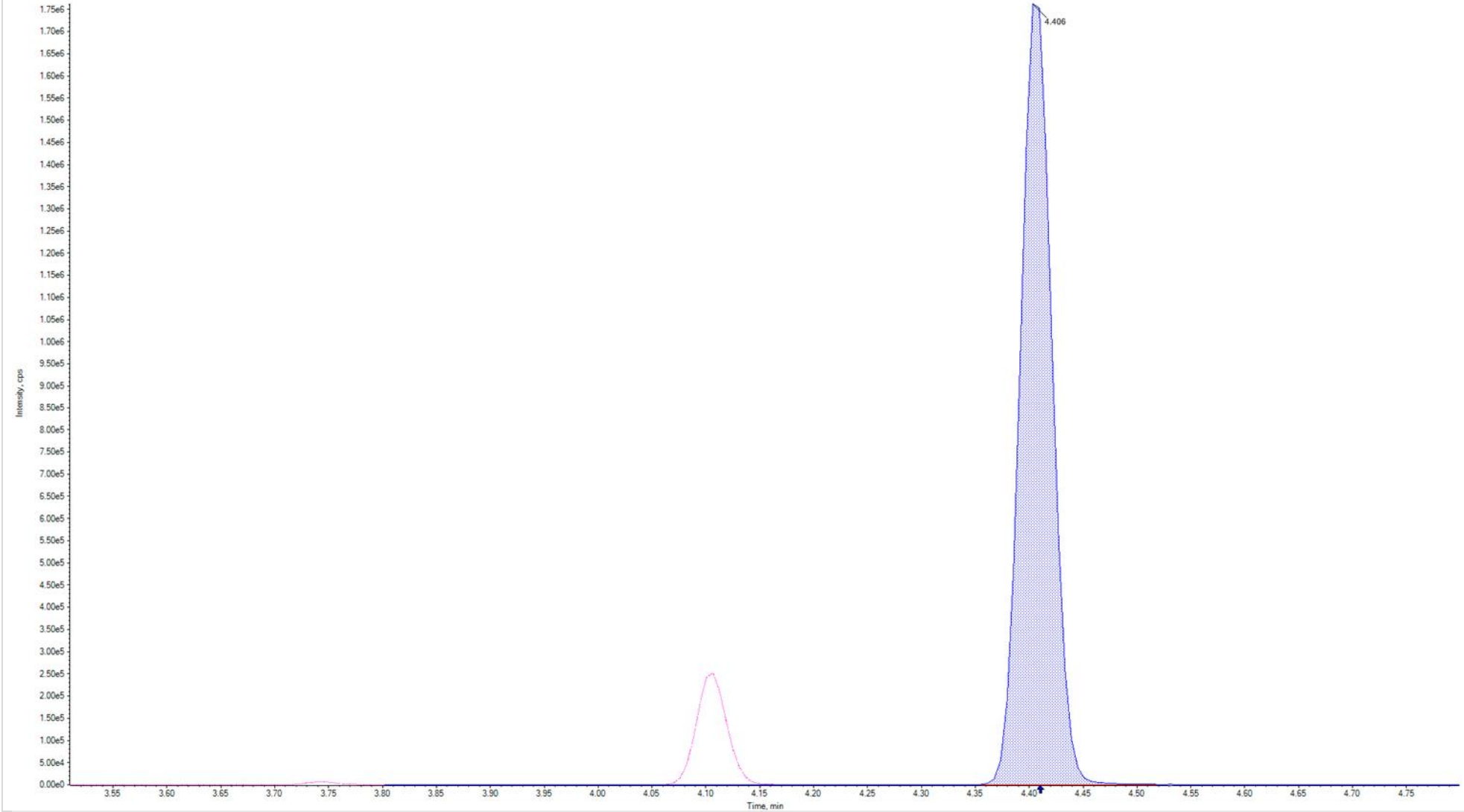
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Alpha Analytical LLC
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Last Altered: 12/17/2024 2:10:27 AM
Generated: 12/16/2024 8:47:17 PM

ADONA_2
Sample: CA1633STD-10 S/N:5100.3 Points Across peak:33



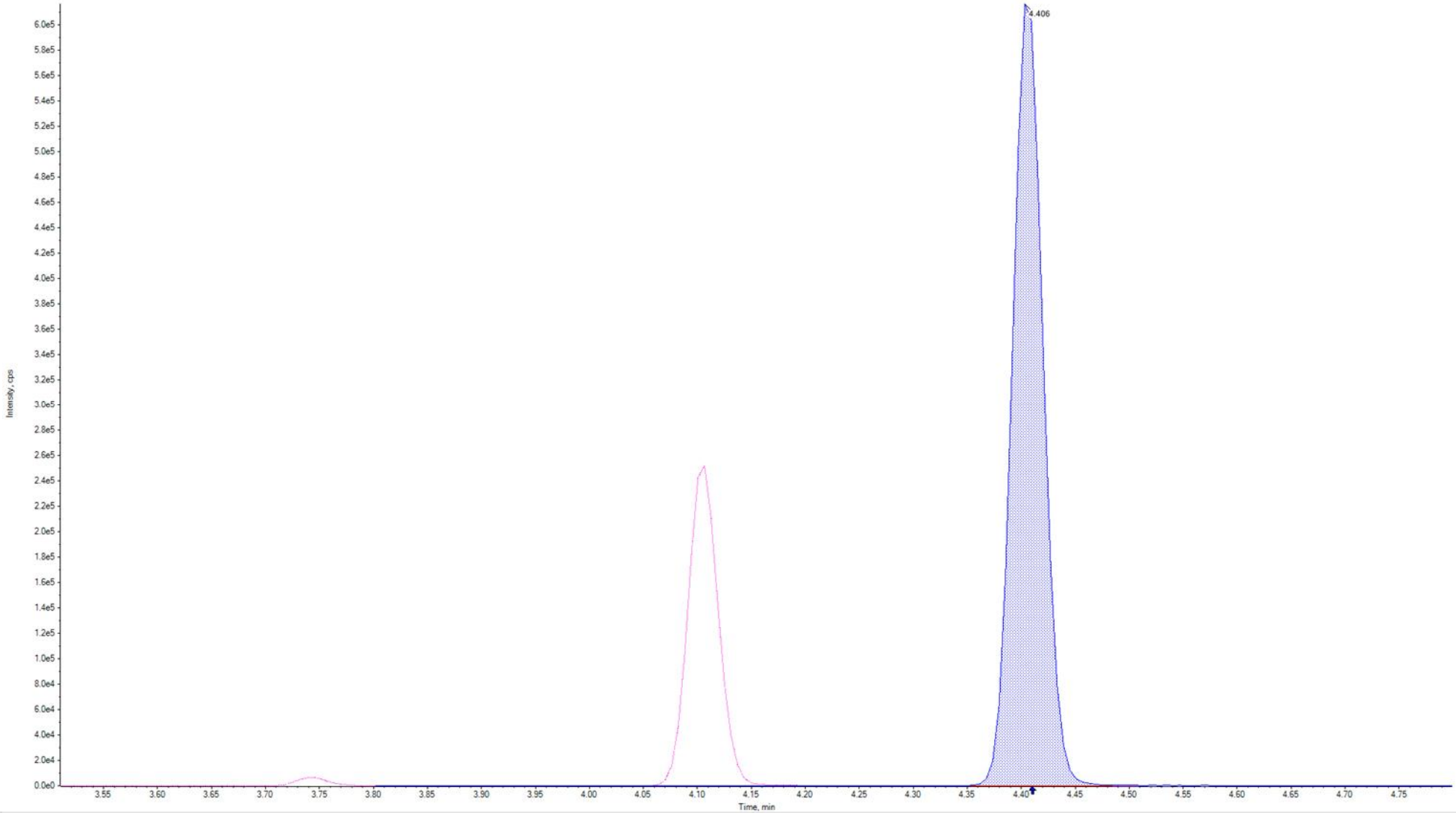
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Alpha Analytical LLC
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Last Altered: 12/17/2024 2:10:27 AM
Generated: 12/16/2024 8:47:17 PM

9Cl-PF3ONS
Sample: CA1633STD-10 S/N:36479.6 Points Across peak:33



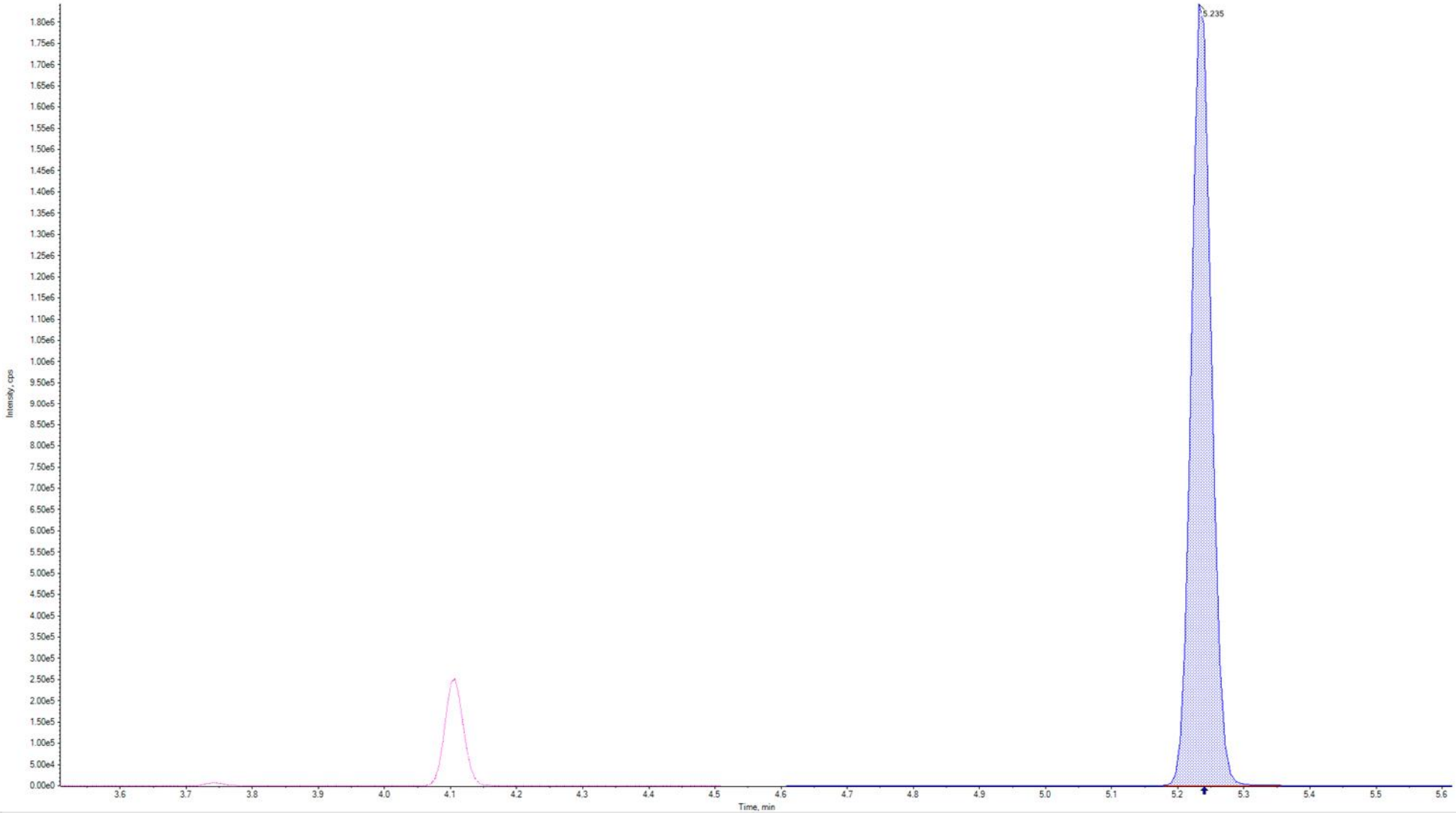
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/17/2024 2:10:27 AM
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9Cl-PF3ONS_2
Sample: CA1633STD-10 S/N:13909.0 Points Across peak:25



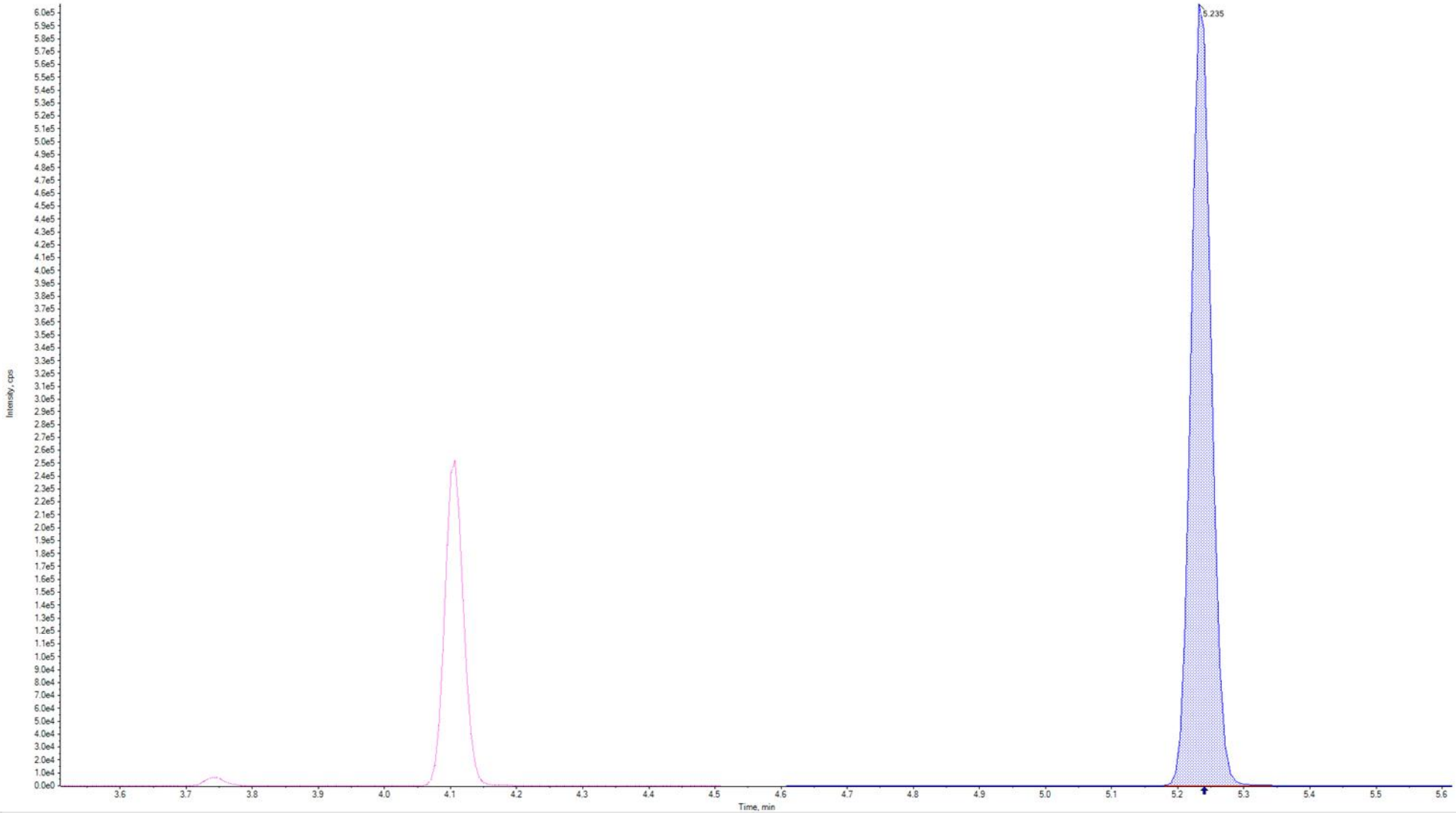
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/17/2024 2:10:27 AM
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11Cl-PF3OUdS
Sample: CA1633STD-10 S/N:13396.3 Points Across peak:35



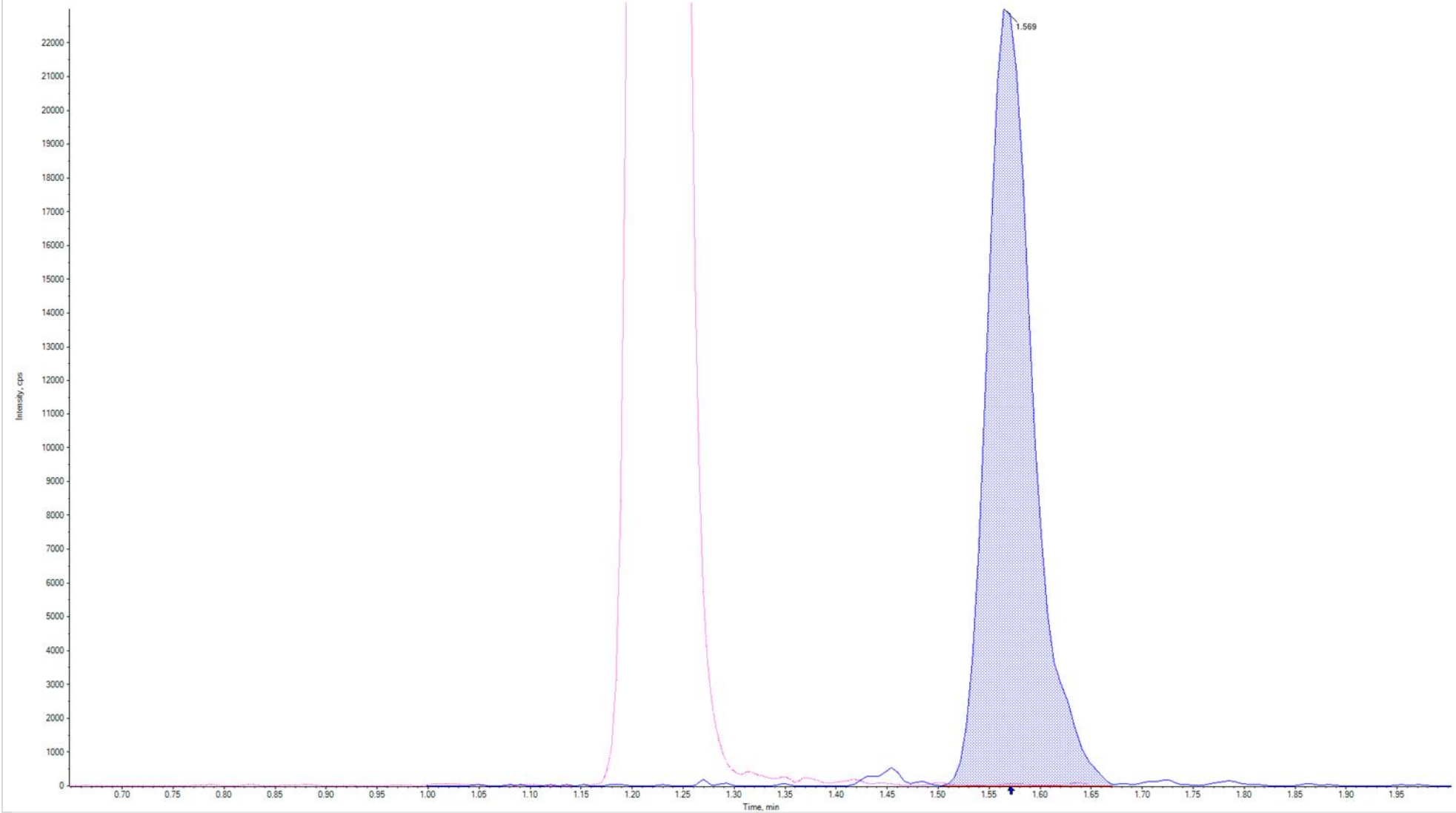
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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Last Altered: 12/17/2024 2:10:27 AM
Generated: 12/16/2024 8:47:17 PM

11Cl-PF3OUdS_2
Sample: CA1633STD-10 S/N:12695.7 Points Across peak:25



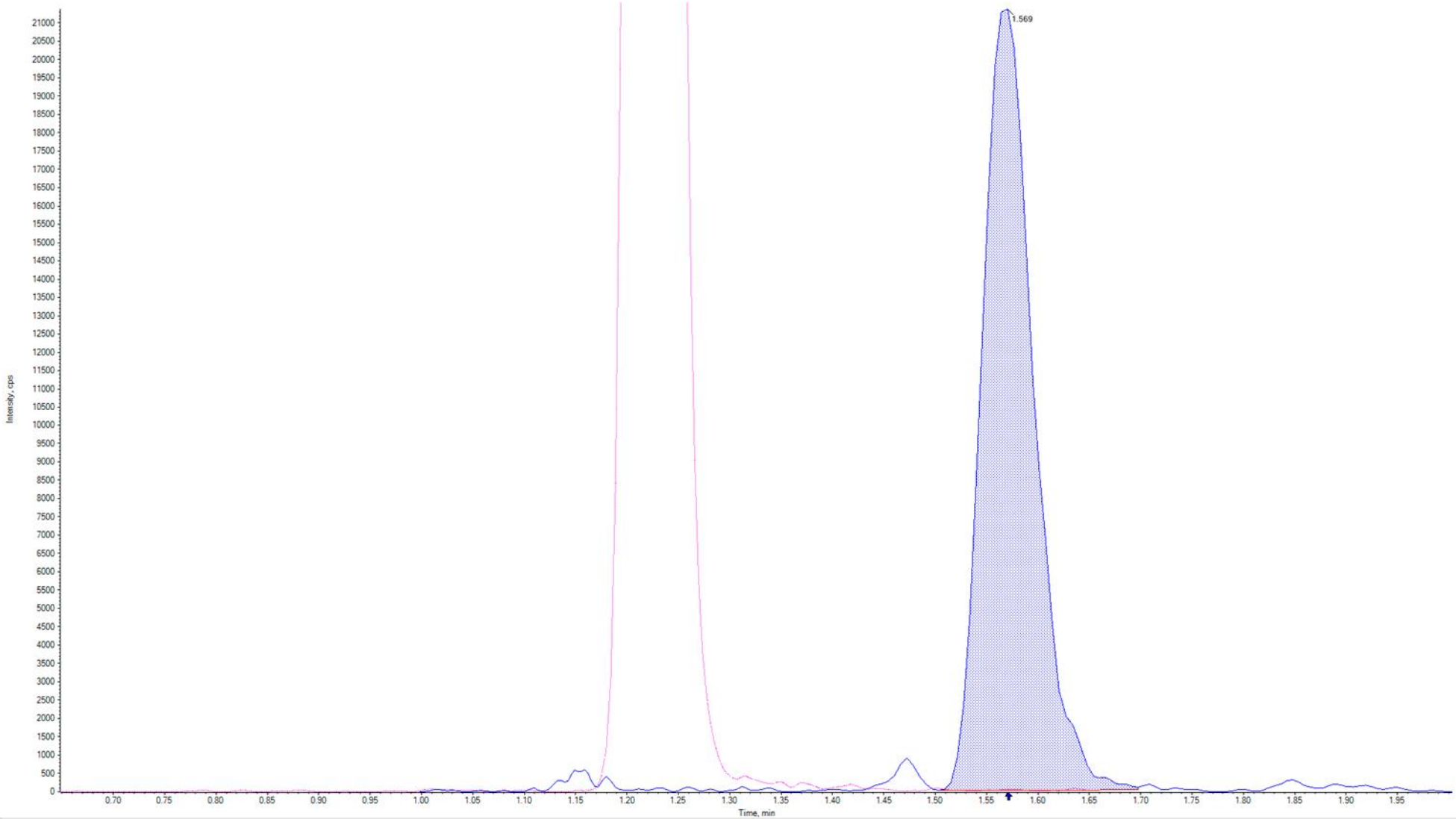
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_22.wiff2_3
Last Altered: 12/17/2024 2:10:27 AM
Generated: 12/16/2024 8:47:17 PM

3:3FTCA
Sample: CA1633STD-10 S/N:576.2 Points Across peak:28



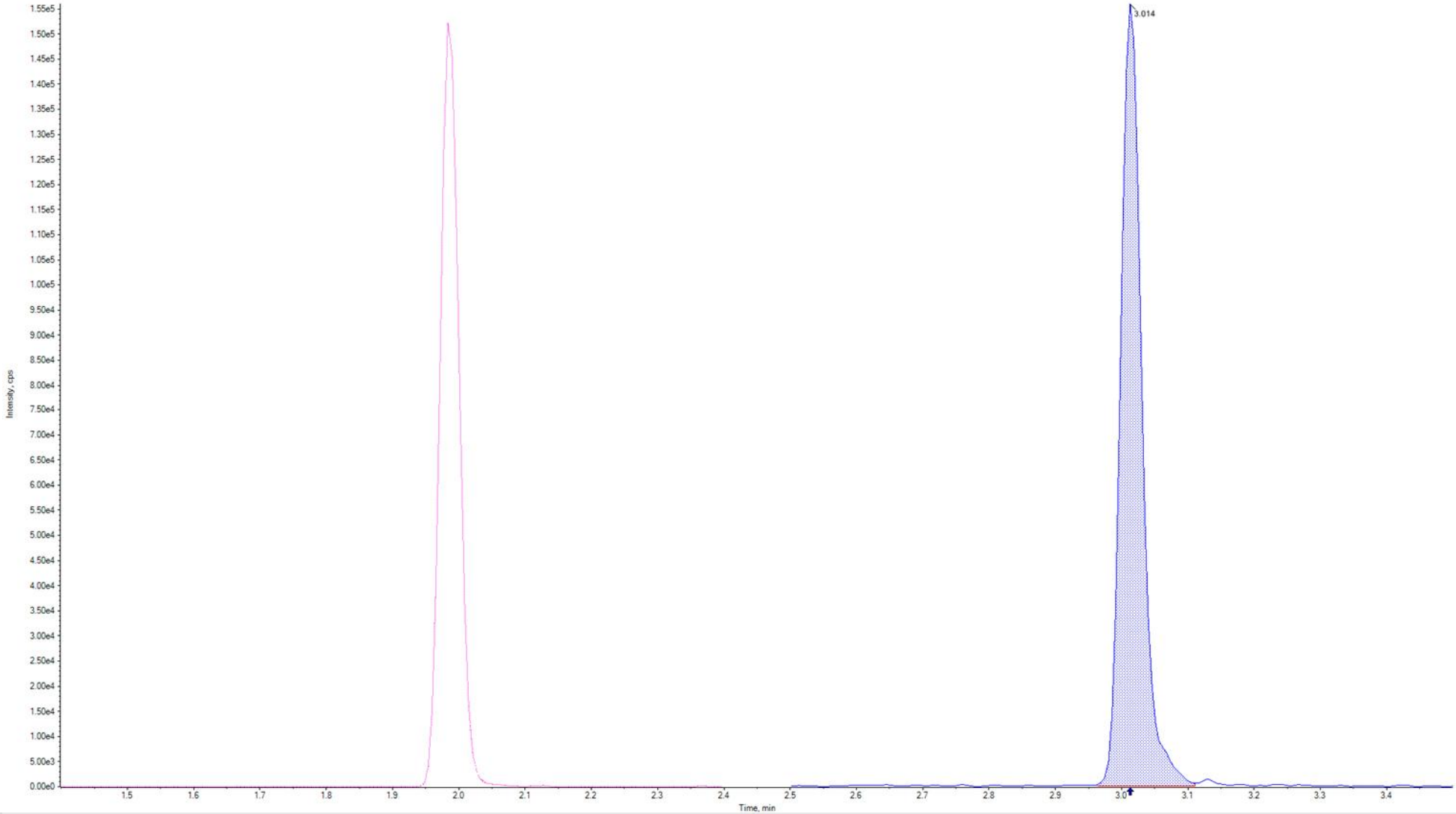
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Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_22.wiff2_3
Last Altered: 12/17/2024 2:10:27 AM
Generated: 12/16/2024 8:47:17 PM

3:3FTCA_2
Sample: CA1633STD-10 S/N:534.7 Points Across peak:33



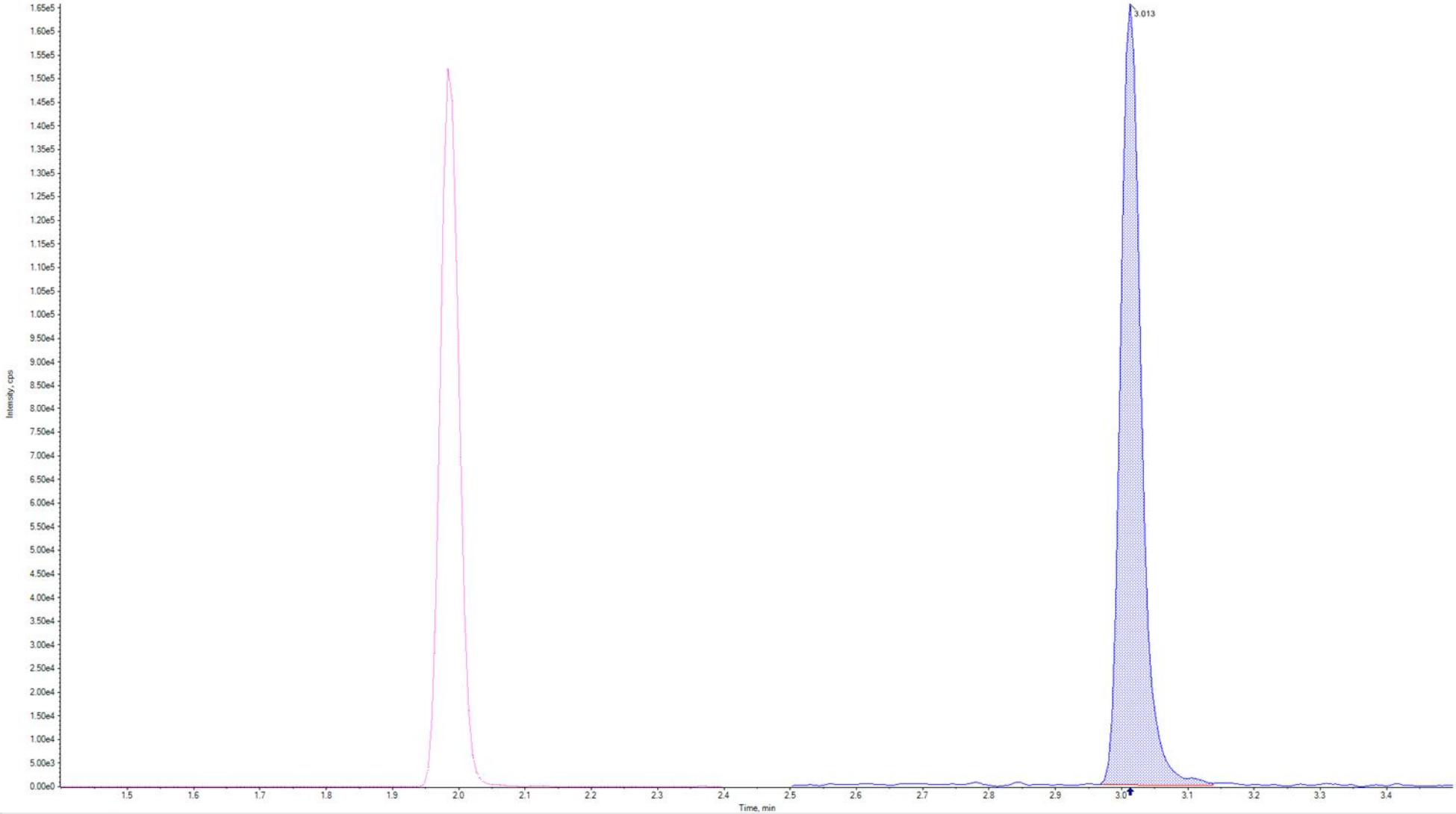
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Alpha Analytical LLC
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Last Altered: 12/17/2024 2:10:27 AM
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5:3FTCA
Sample: CA1633STD-10 S/N:3514.4 Points Across peak:29



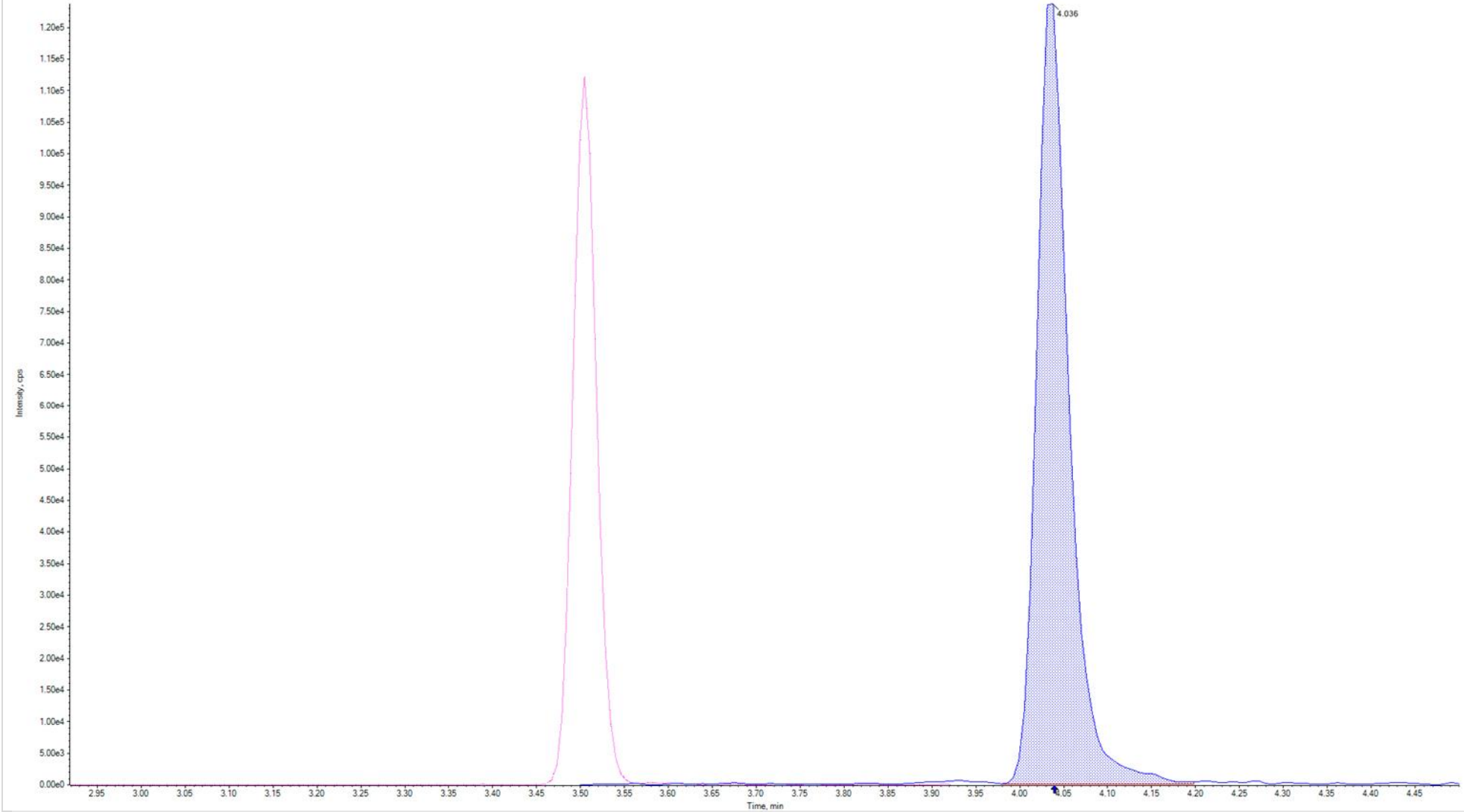
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Alpha Analytical LLC
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Generated: 12/16/2024 8:47:17 PM

5:3FTCA_2
Sample: CA1633STD-10 S/N:2773.0 Points Across peak:33



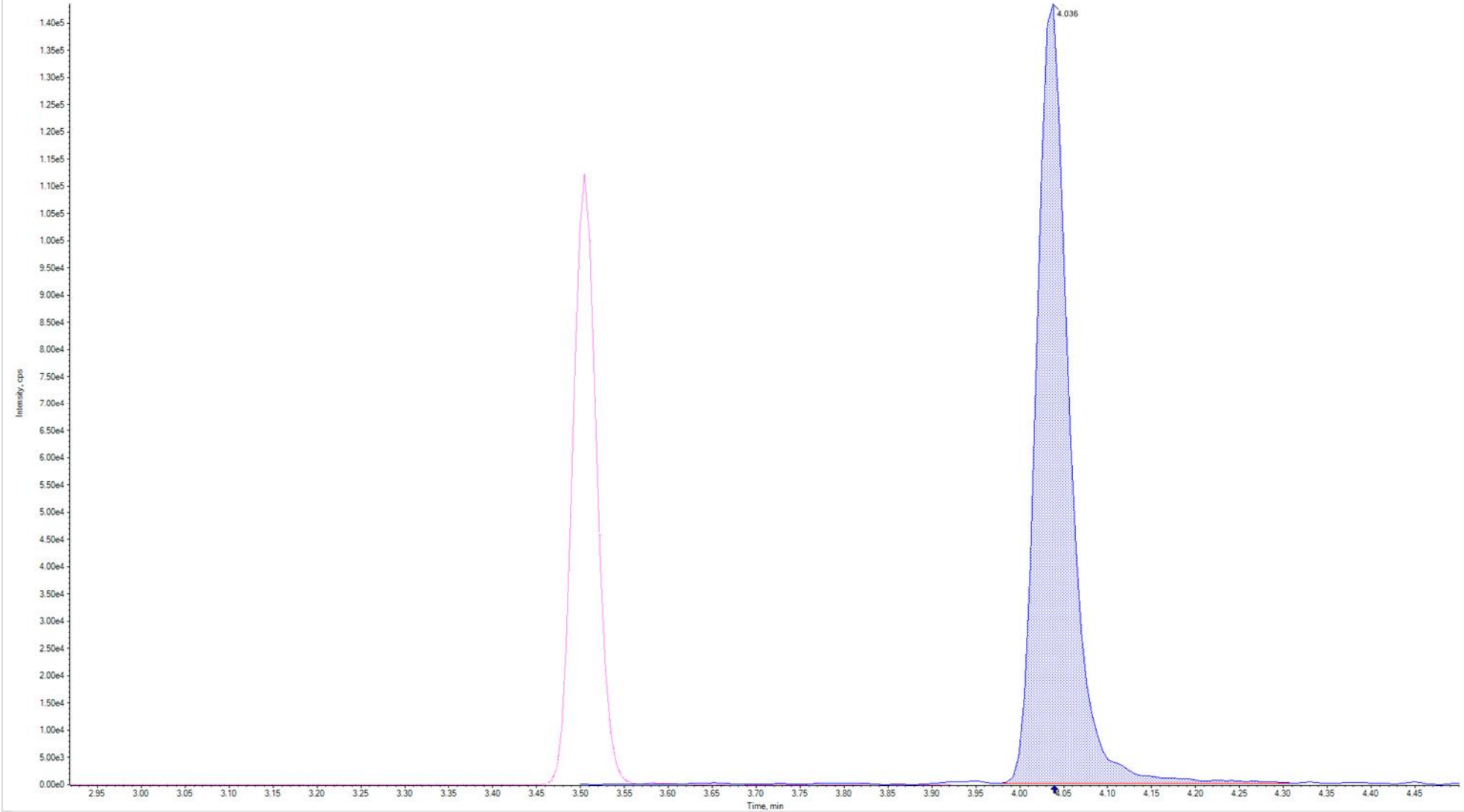
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Alpha Analytical LLC
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Last Altered: 12/17/2024 2:10:27 AM
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7:3FTCA
Sample: CA1633STD-10 S/N:3407.5 Points Across peak:36



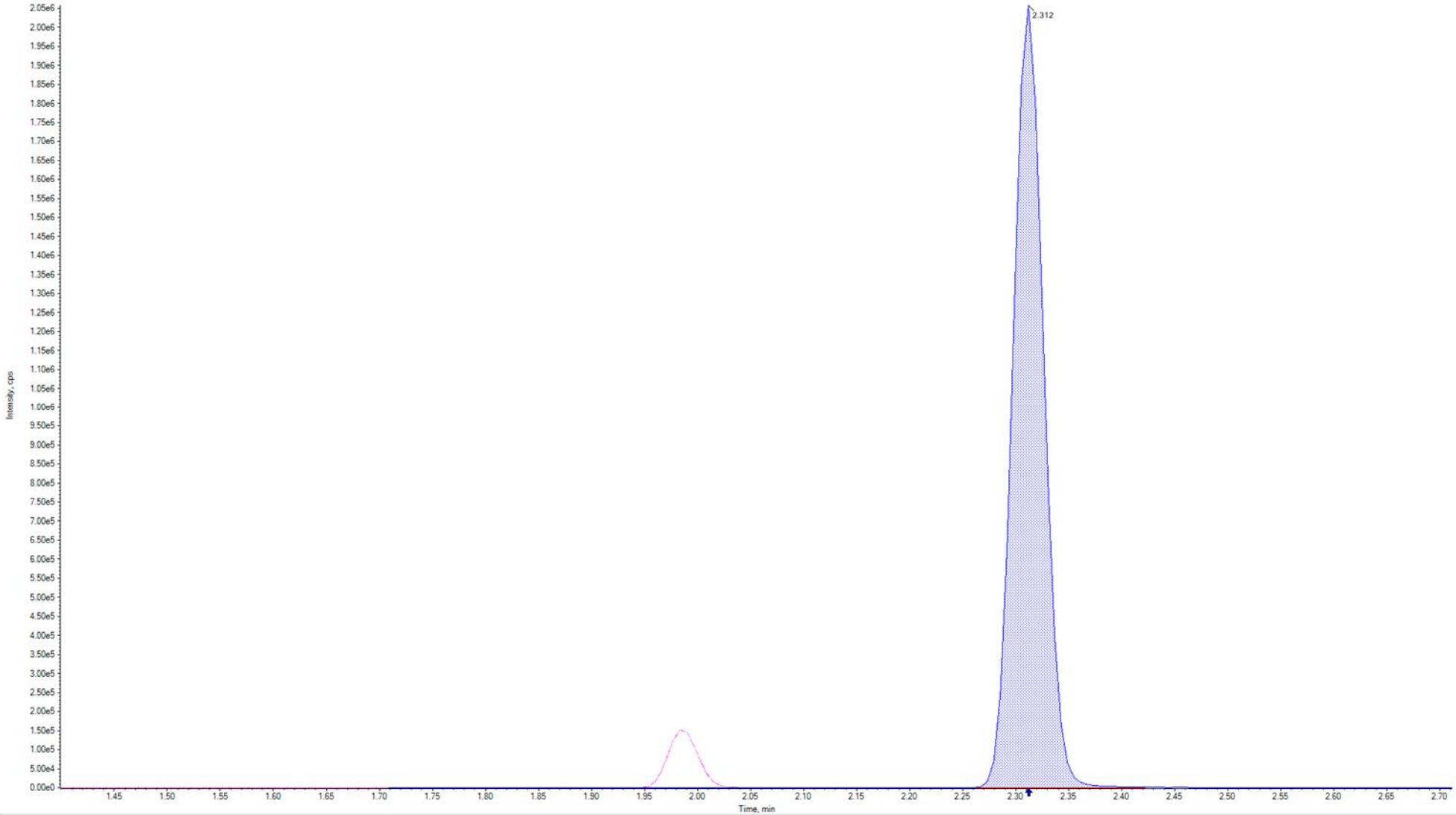
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Alpha Analytical LLC
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Last Altered: 12/17/2024 2:10:27 AM
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7:3FTCA_2
Sample: CA1633STD-10 S/N:3087.8 Points Across peak:56



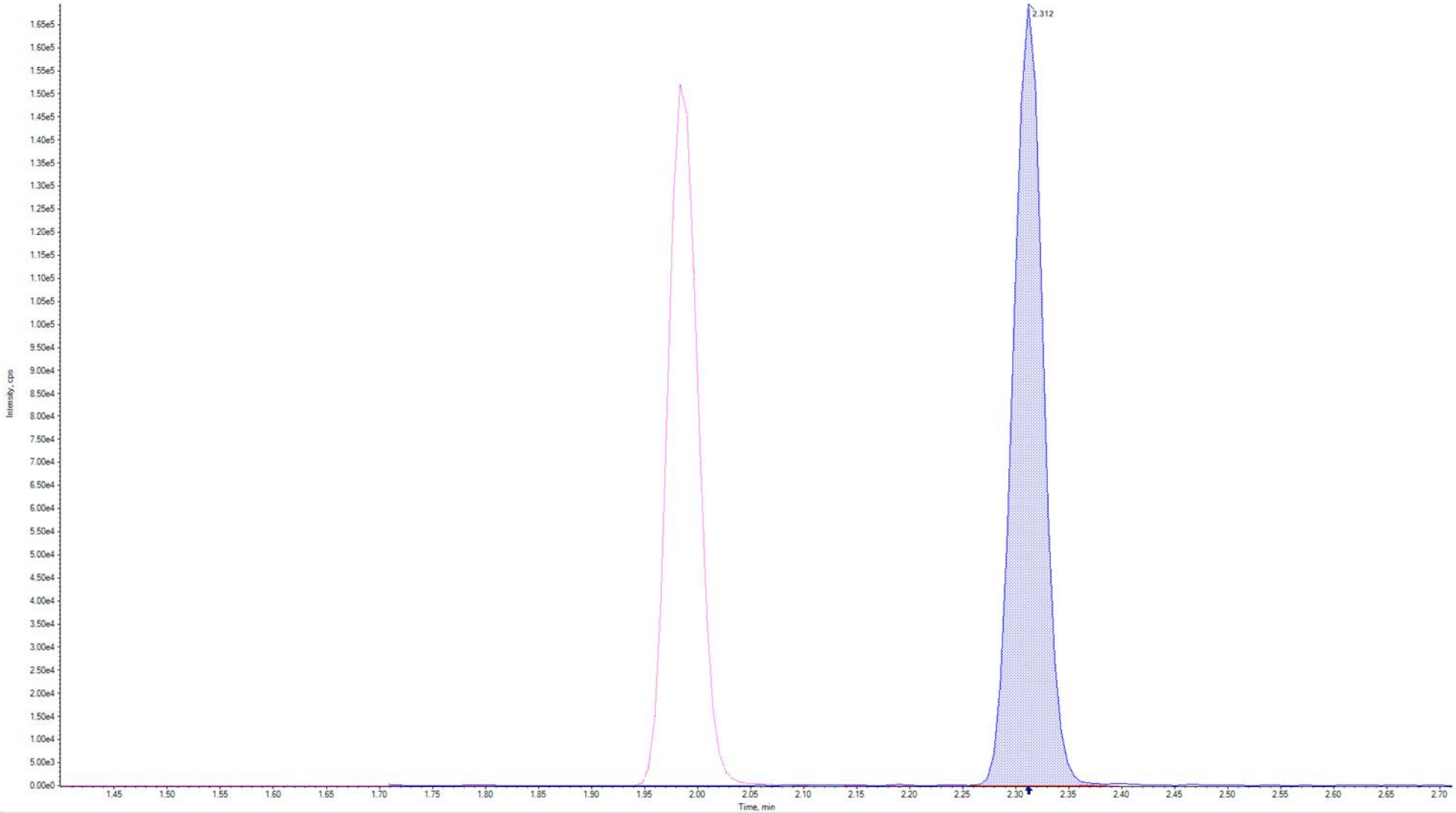
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Alpha Analytical LLC
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PFEESA
Sample: CA1633STD-10 S/N:46417.6 Points Across peak:30



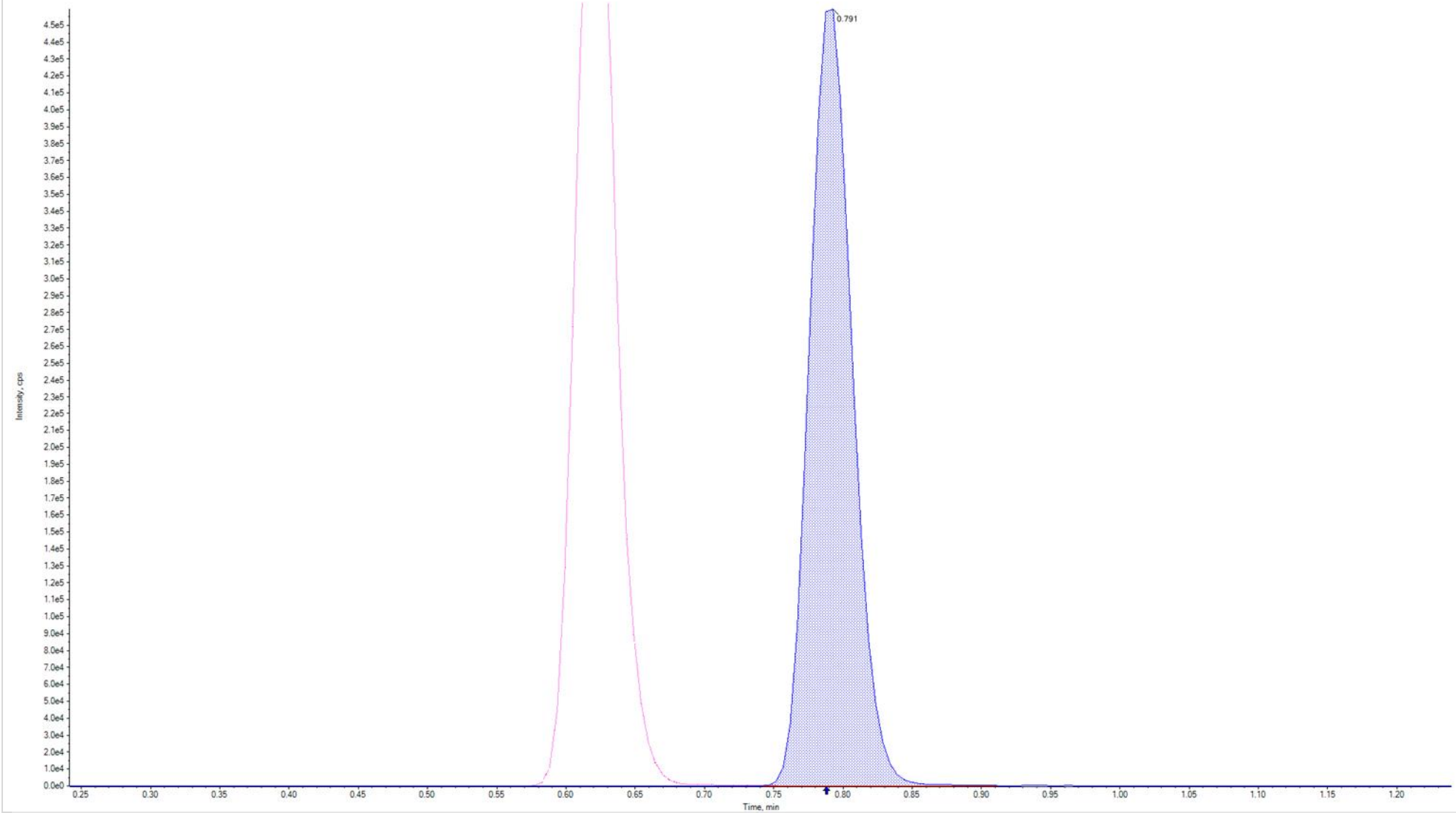
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Alpha Analytical LLC
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PFEESA_2
Sample: CA1633STD-10 S/N:3821.7 Points Across peak:22



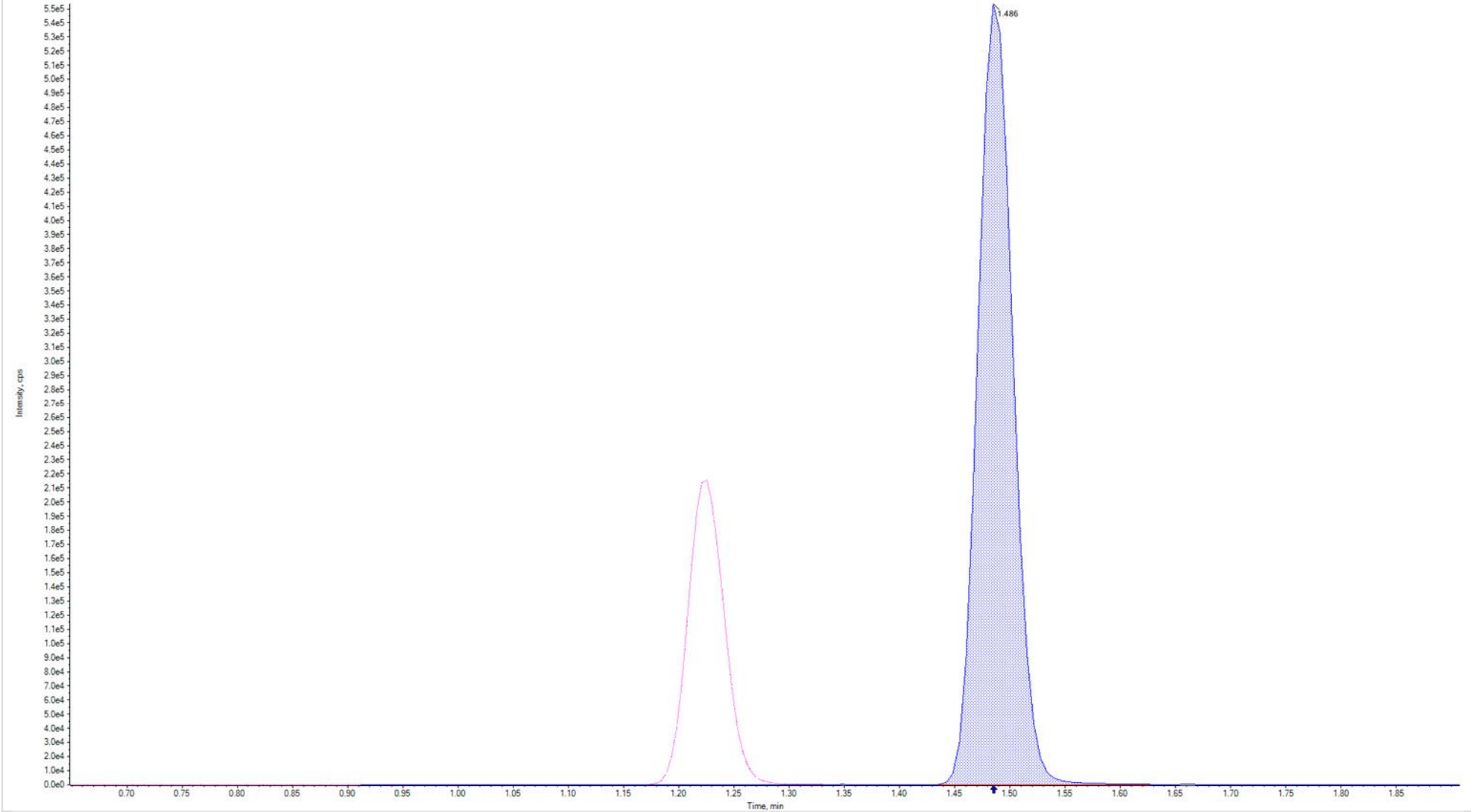
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Alpha Analytical LLC
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PFMPA
Sample: CA1633STD-10 S/N:11206.7 Points Across peak:39



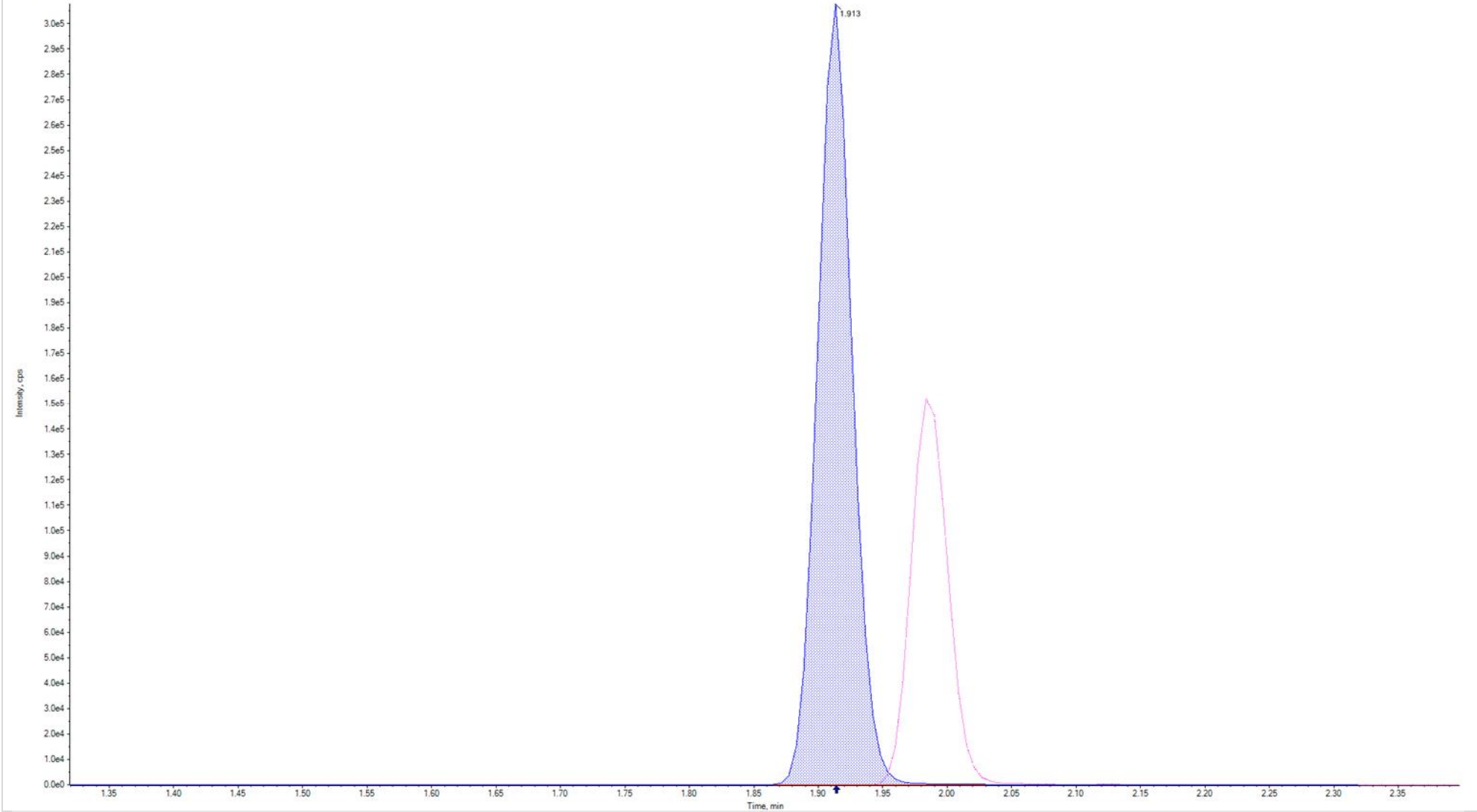
Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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PFMBA
Sample: CA1633STD-10 S/N:15562.9 Points Across peak:37



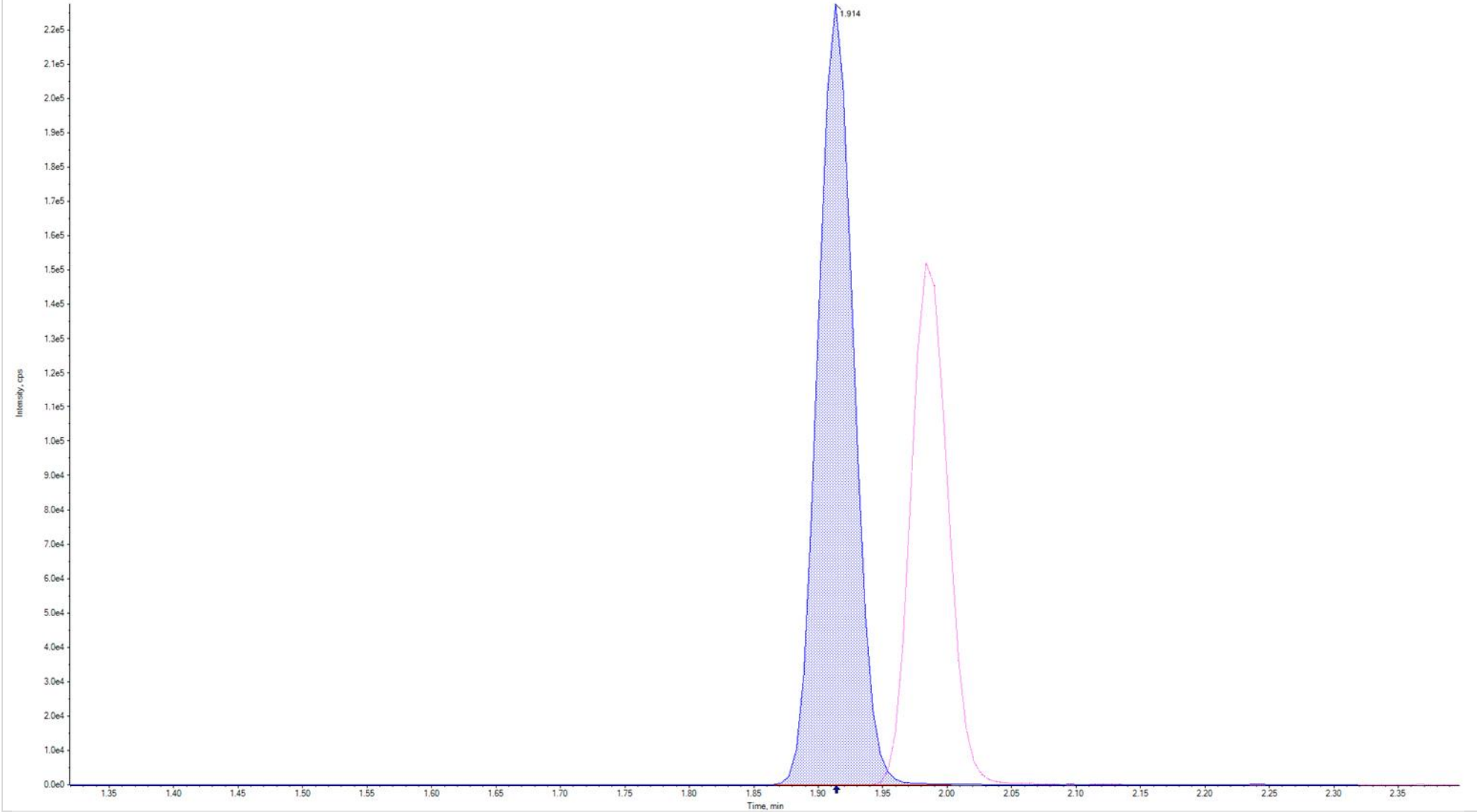
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Alpha Analytical LLC
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NFDHA
Sample: CA1633STD-10 S/N:5646.7 Points Across peak:39

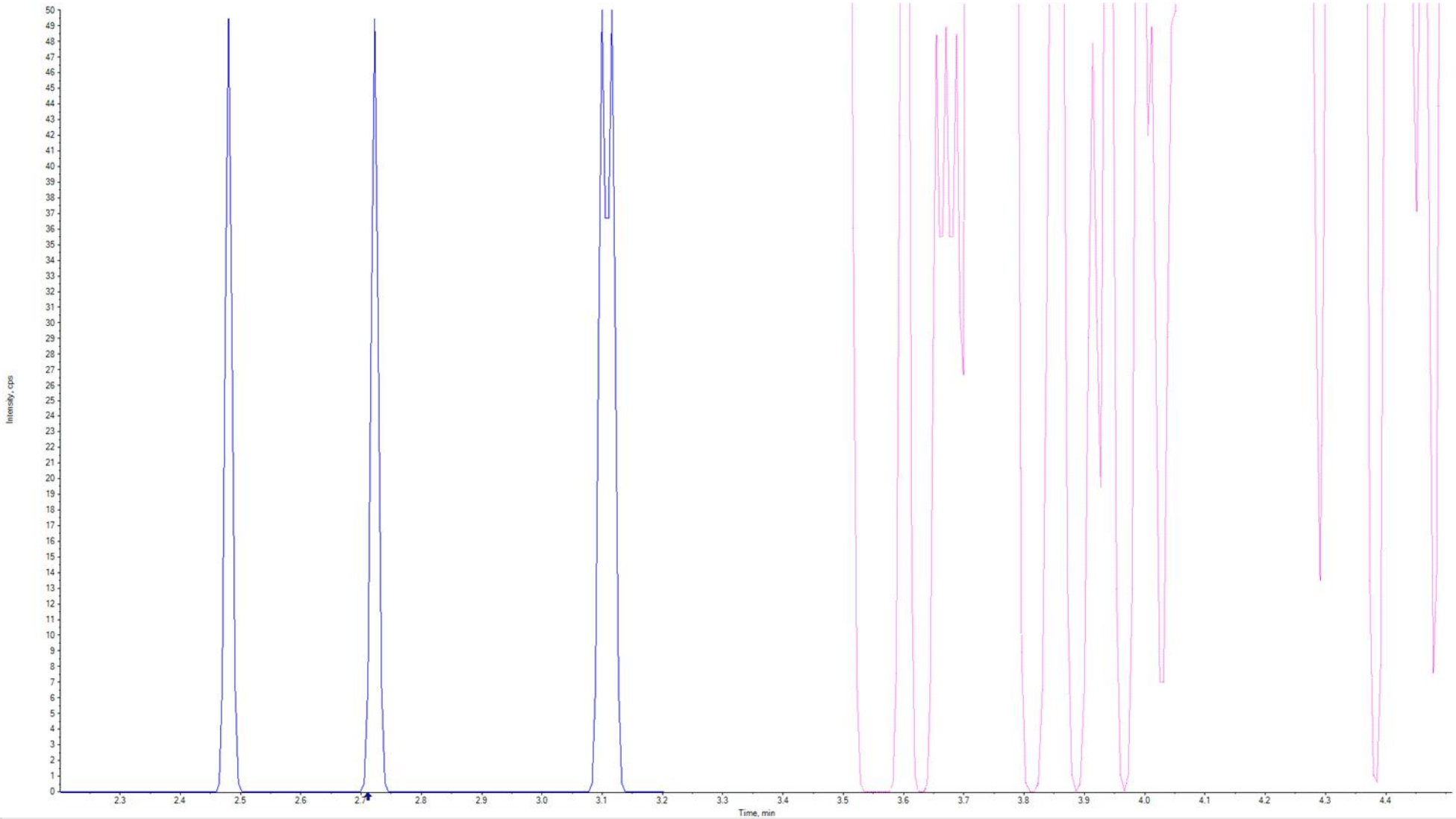


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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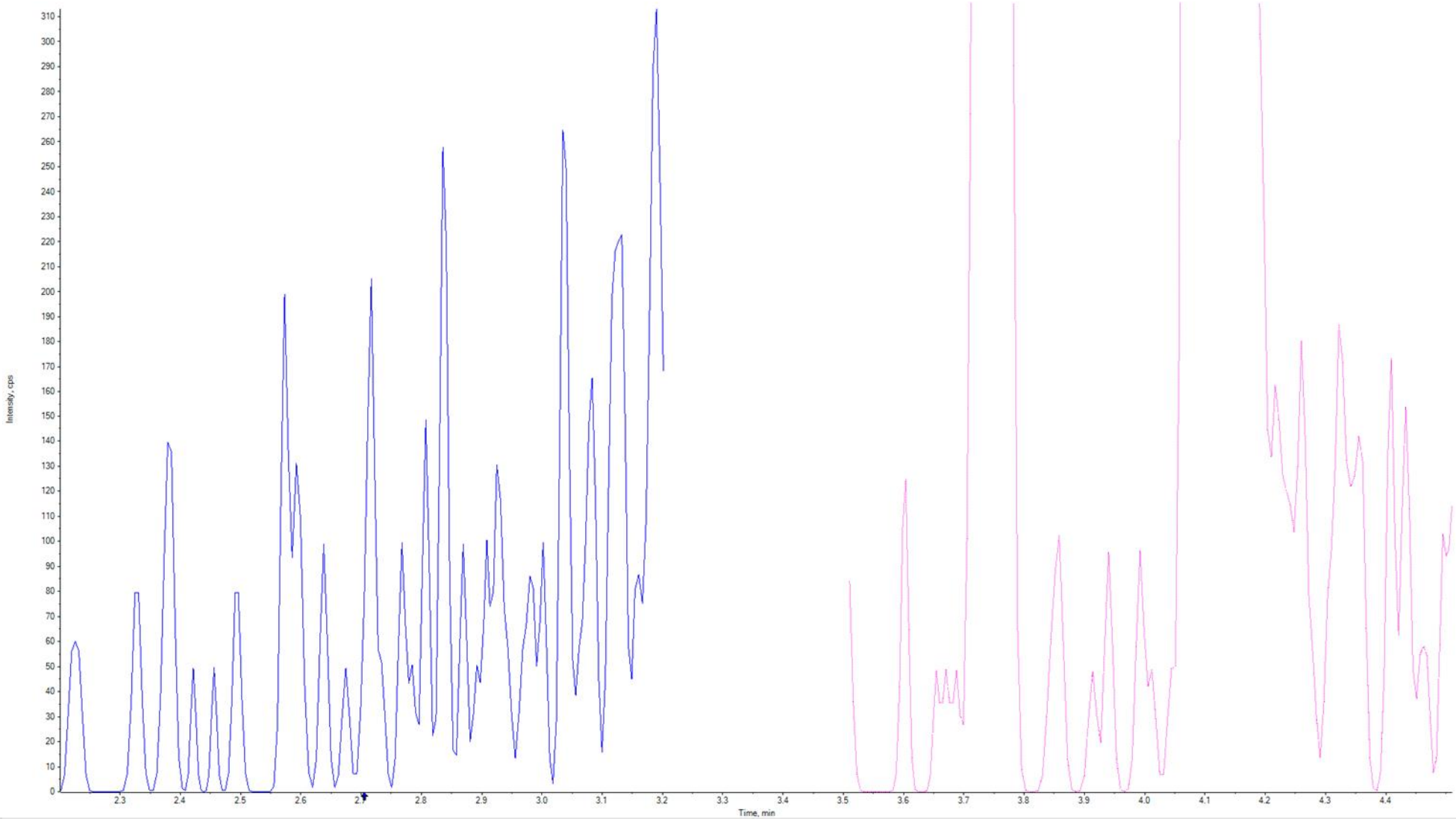
NFDHA_2
Sample: CA1633STD-10 S/N:4706.8 Points Across peak:30



TDCA
Sample: CA1633STD-10 S/N:N/A Points Across peak:N/A

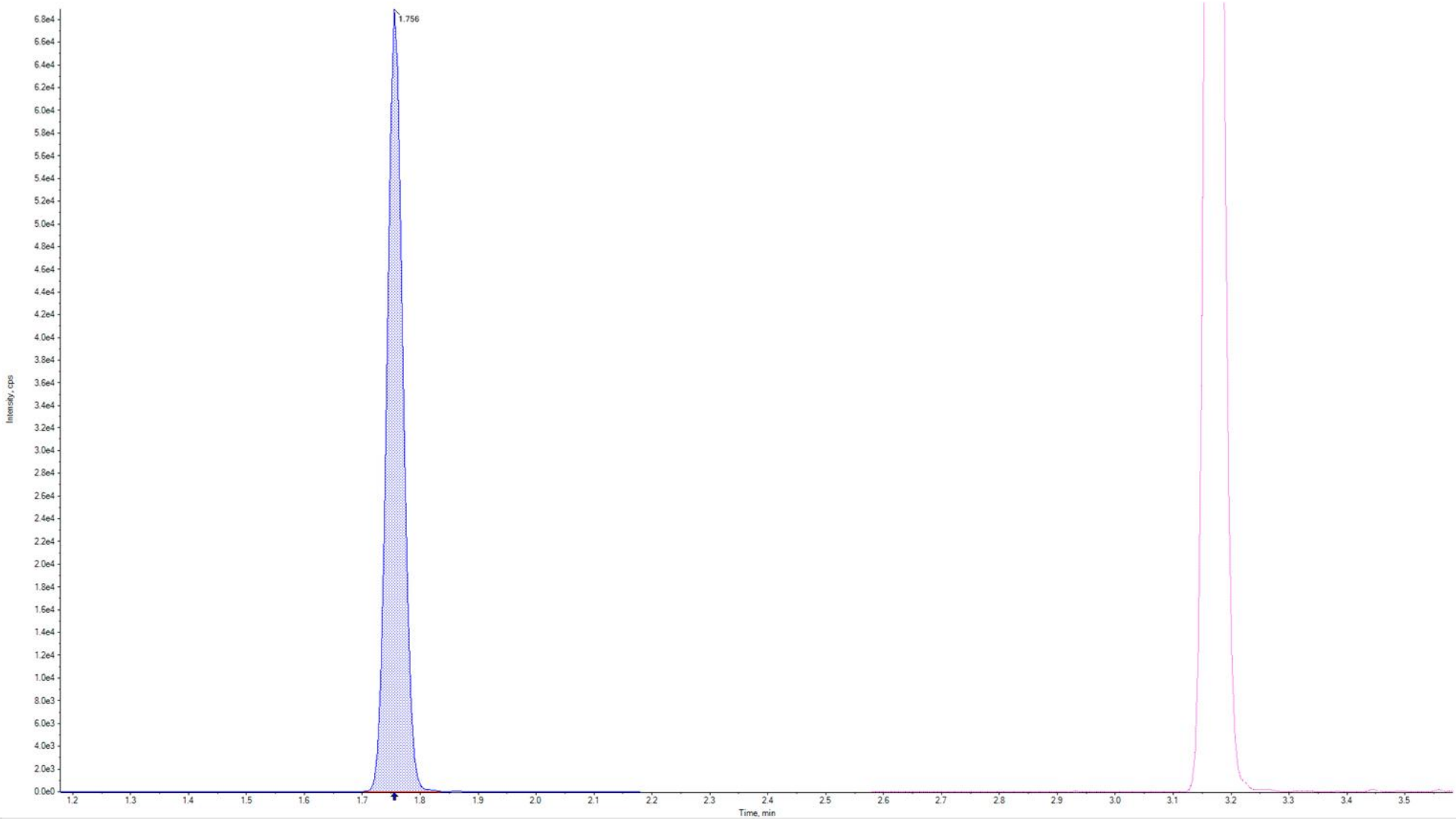


TDCA_2
Sample: CA1633STD-10 S/N:N/A Points Across peak:N/A

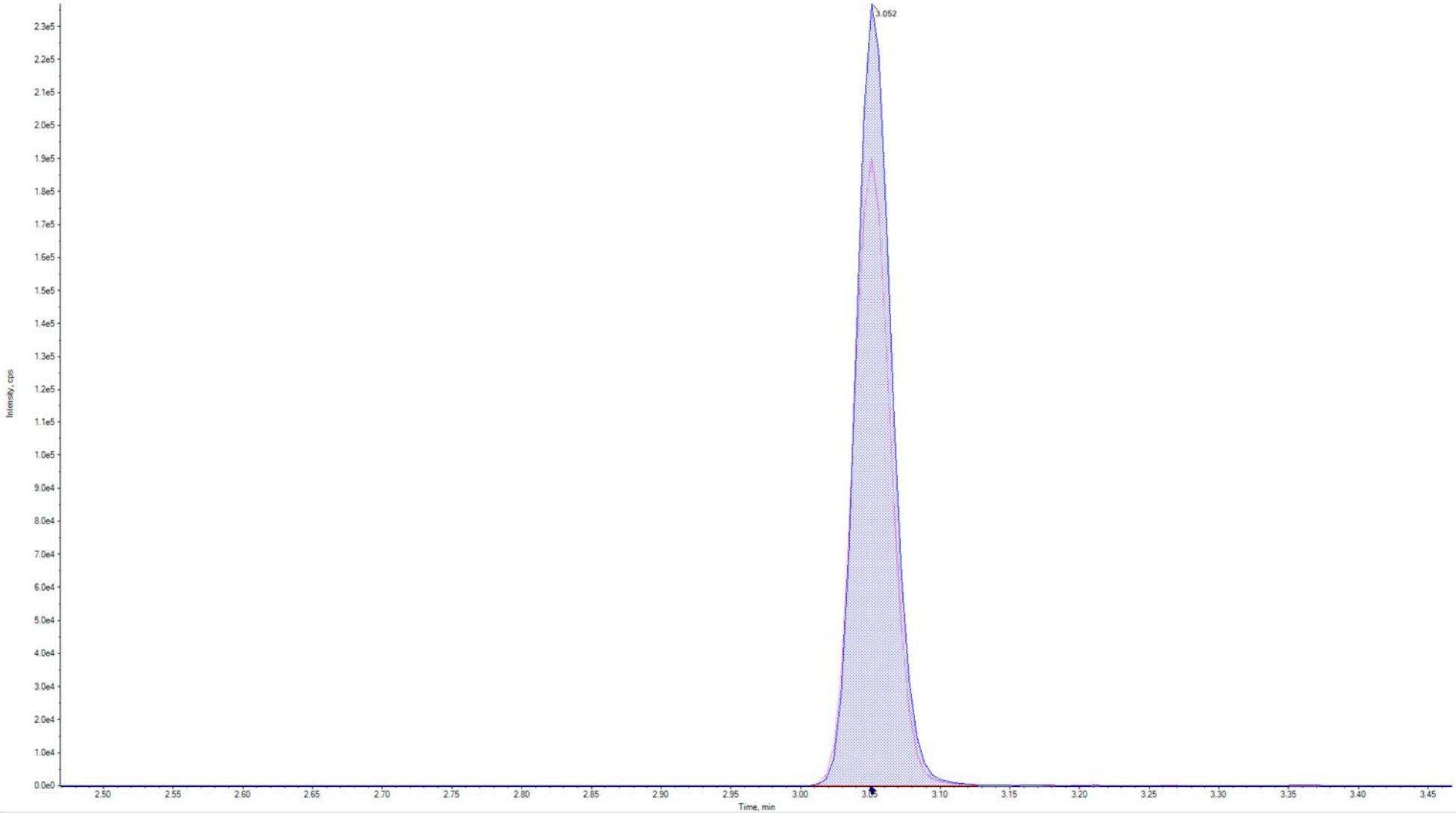


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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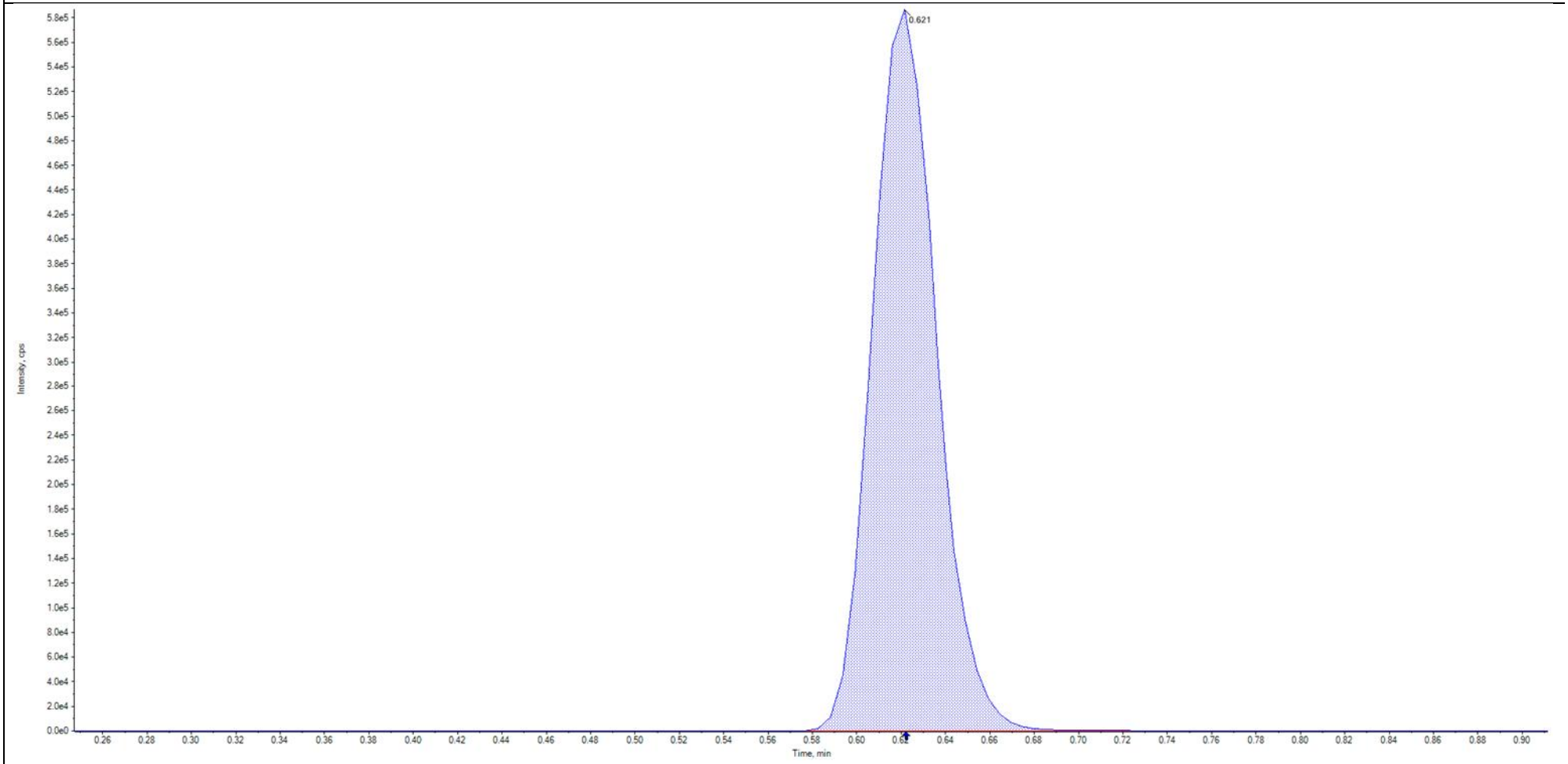
13C2D4-4:2FTS
Sample: CA1633STD-10 S/N:2590.7 Points Across peak:33



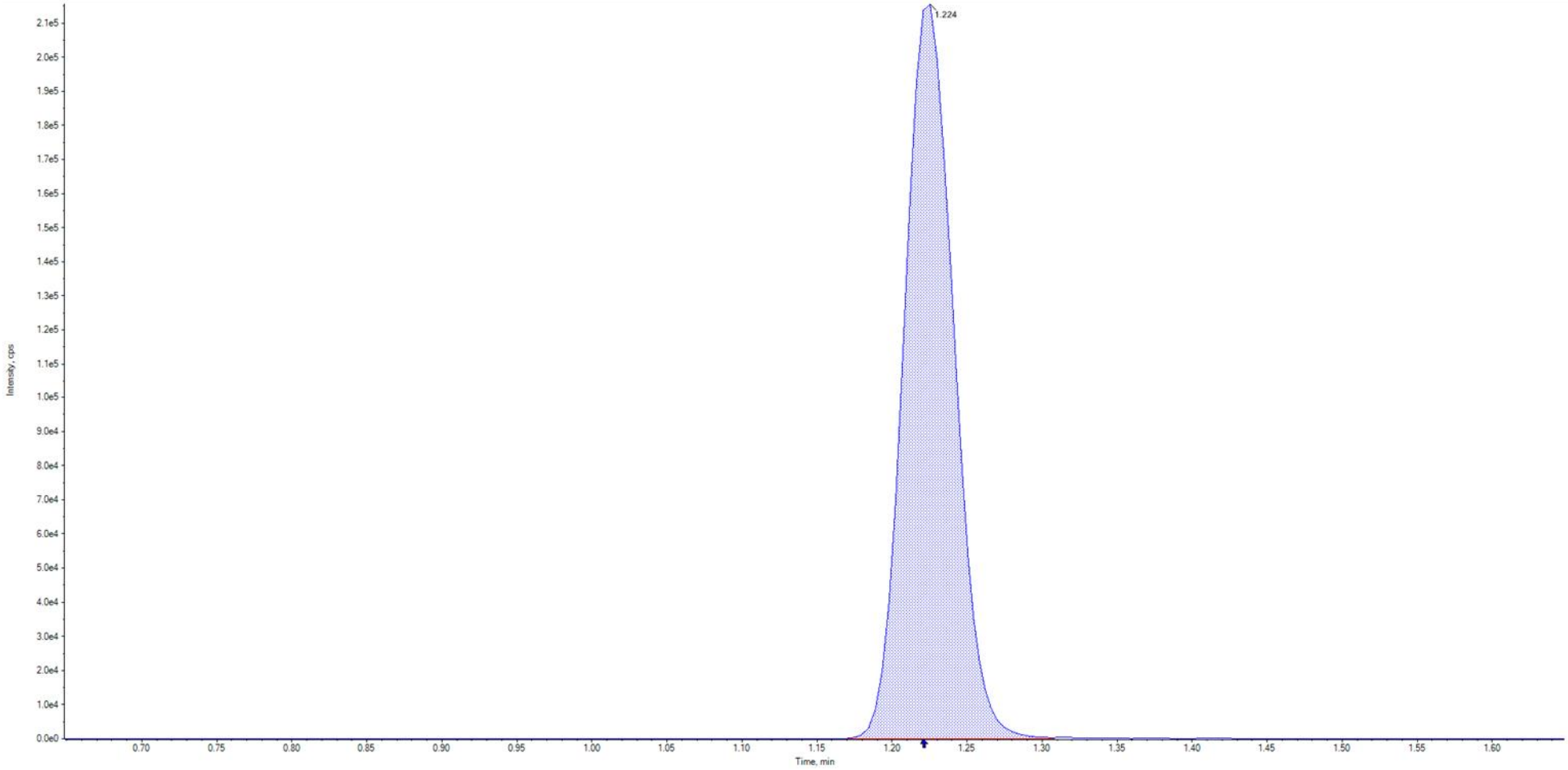
13C2-PFOA
Sample: CA1633STD-10 S/N:5342.7 Points Across peak:27



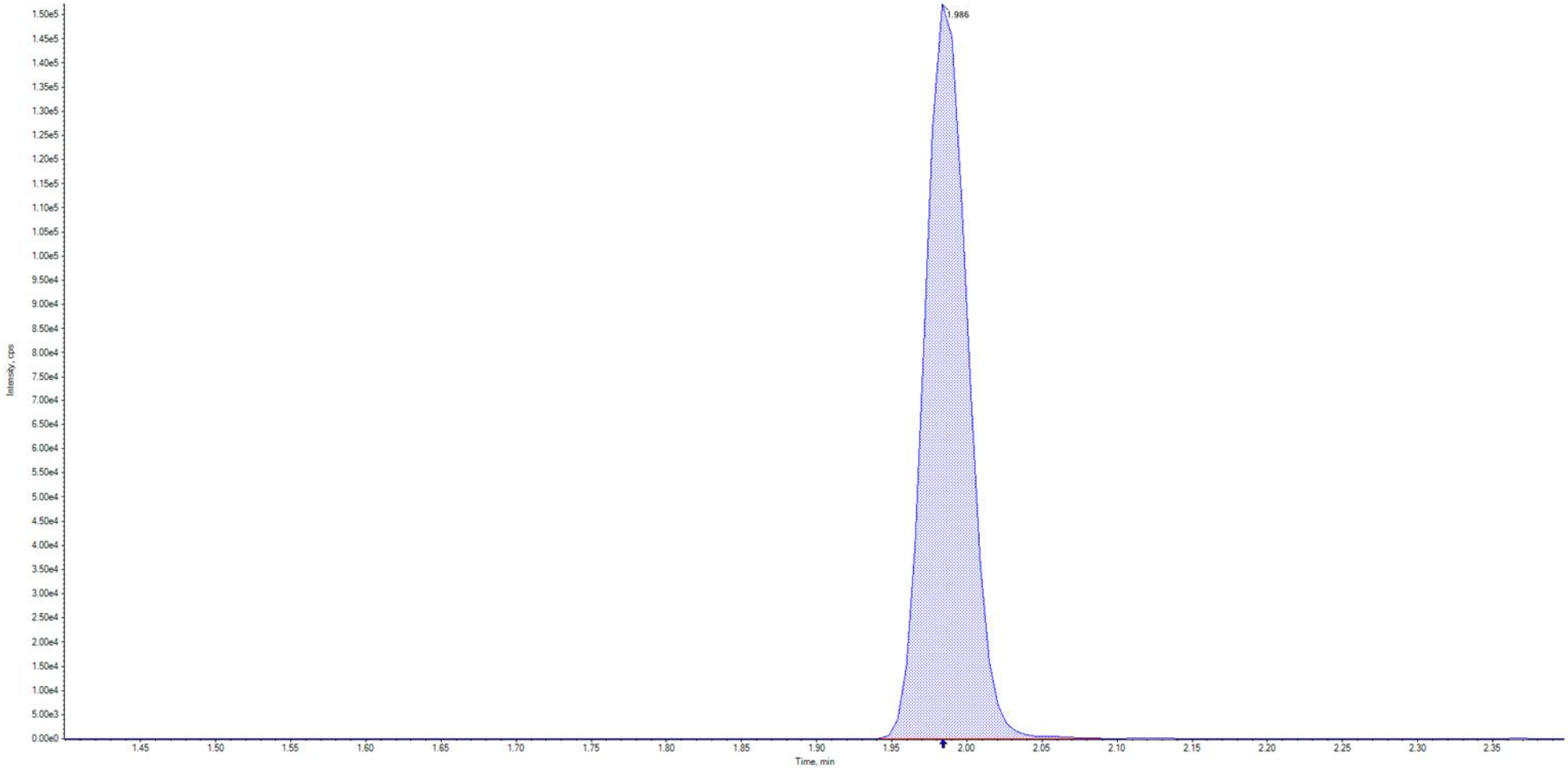
13C4-PFBA
Sample: CA1633STD-10



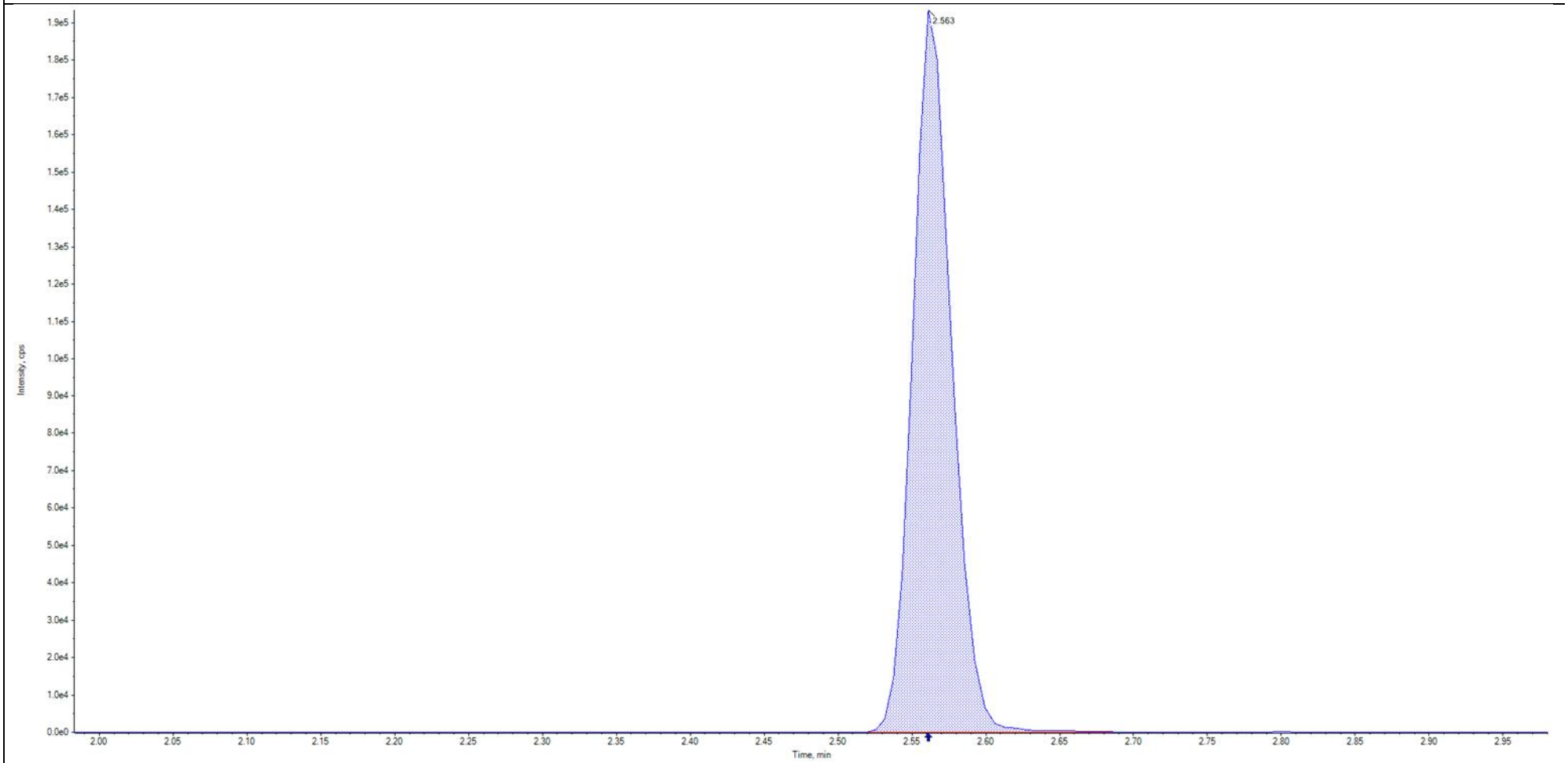
13C5-PFPeA
Sample: CA1633STD-10



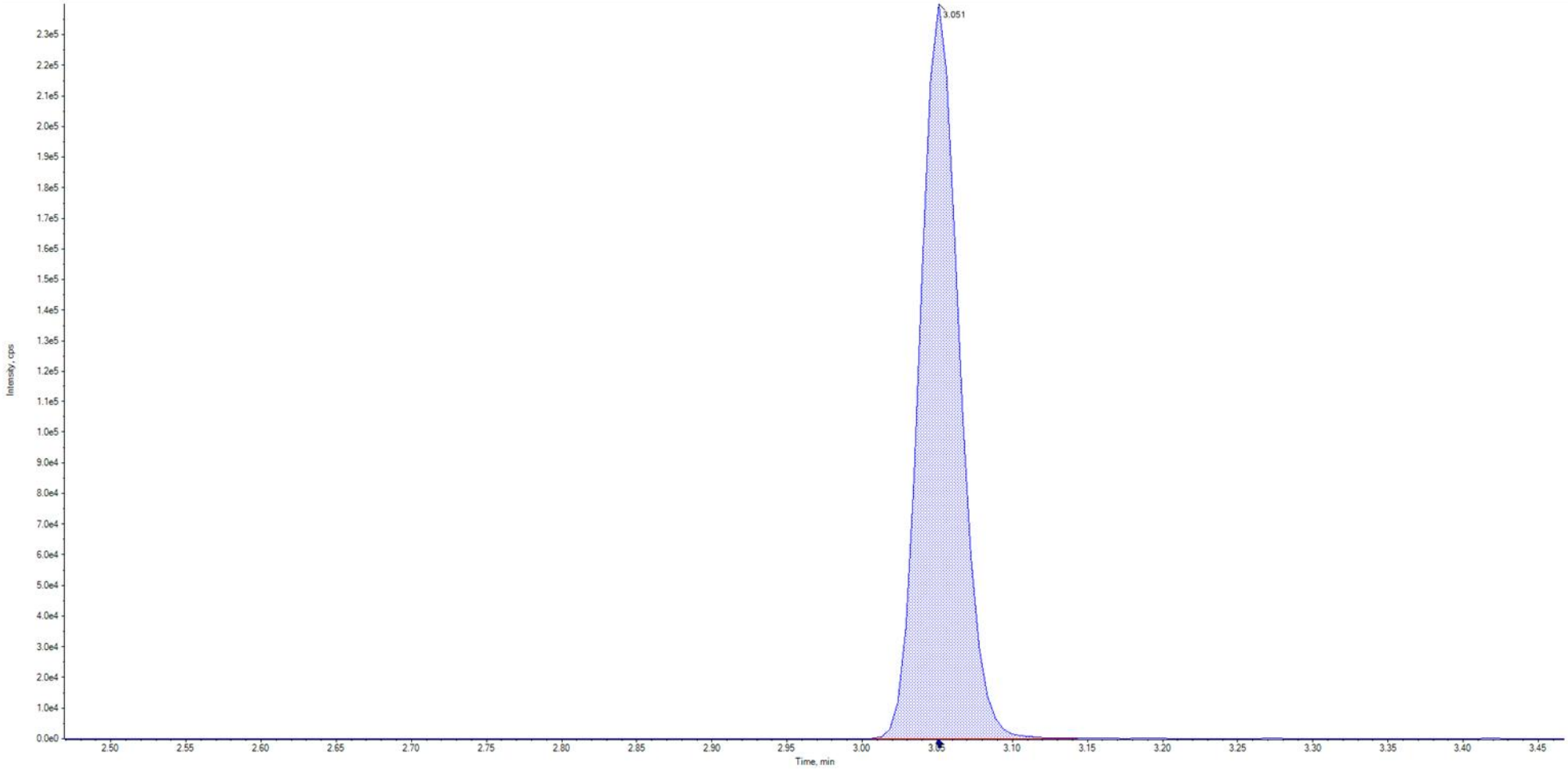
13C5-PFHxA
Sample: CA1633STD-10



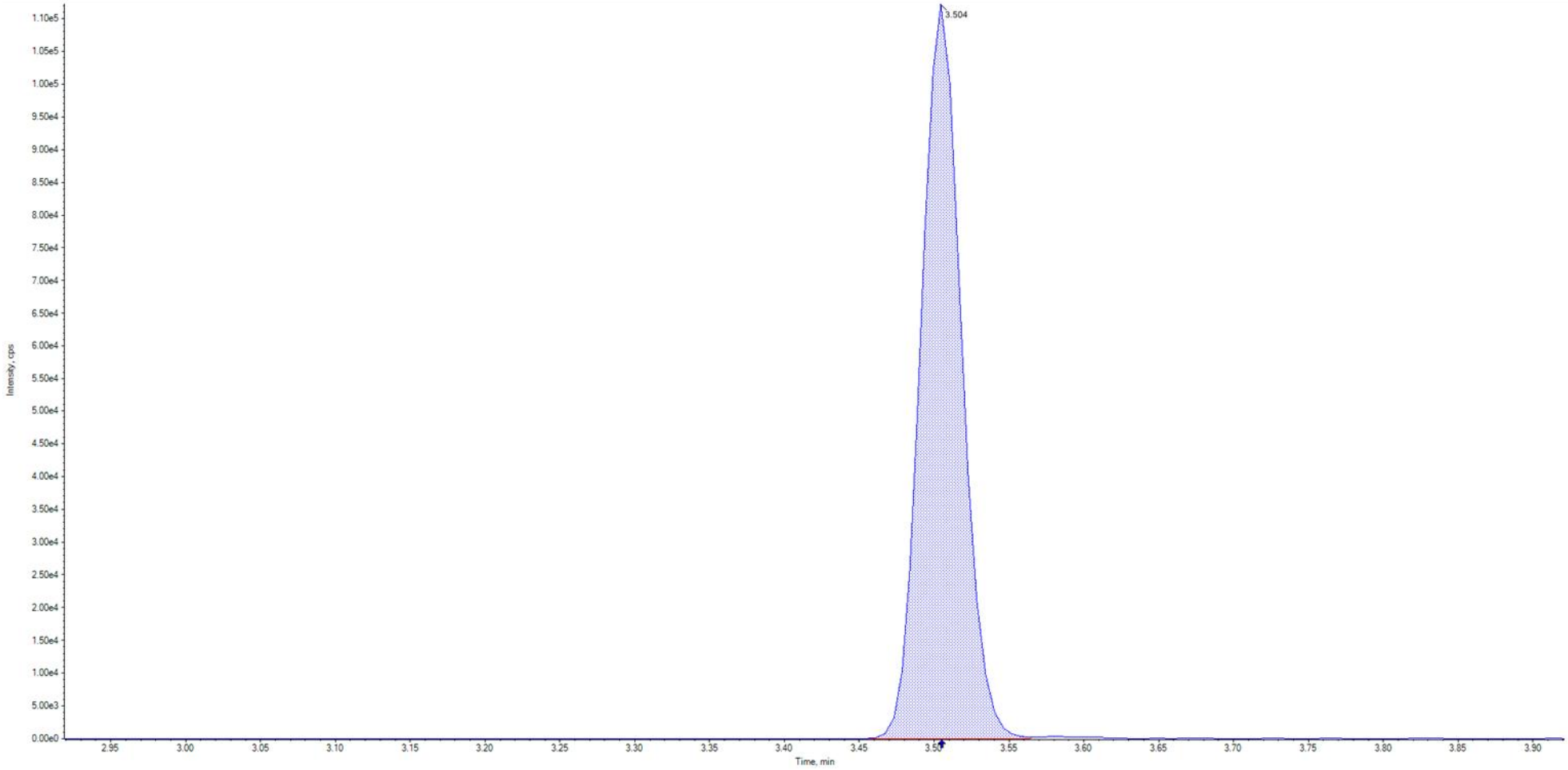
13C4-PFHpA
Sample: CA1633STD-10



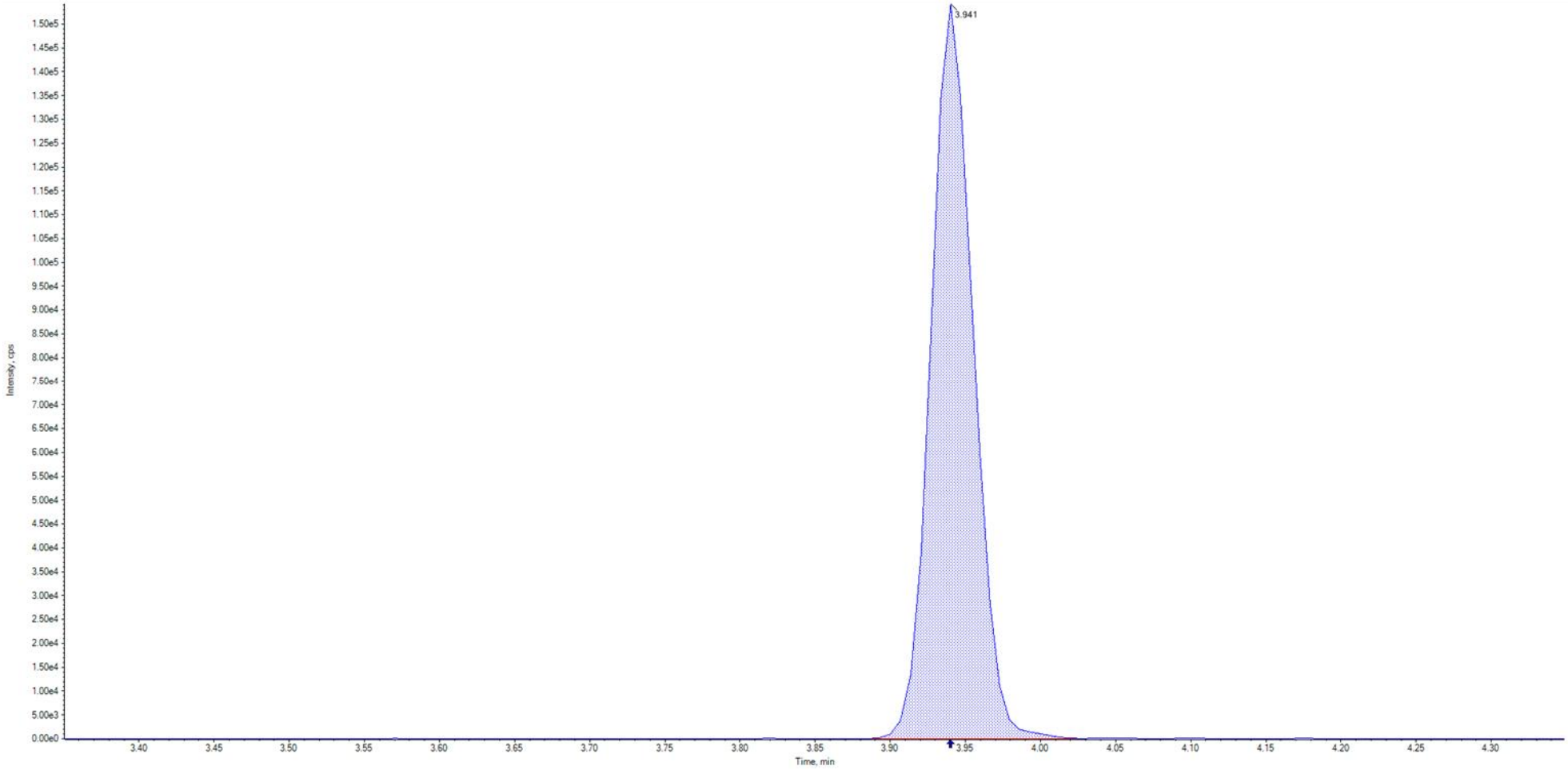
13C8-PFOA
Sample: CA1633STD-10



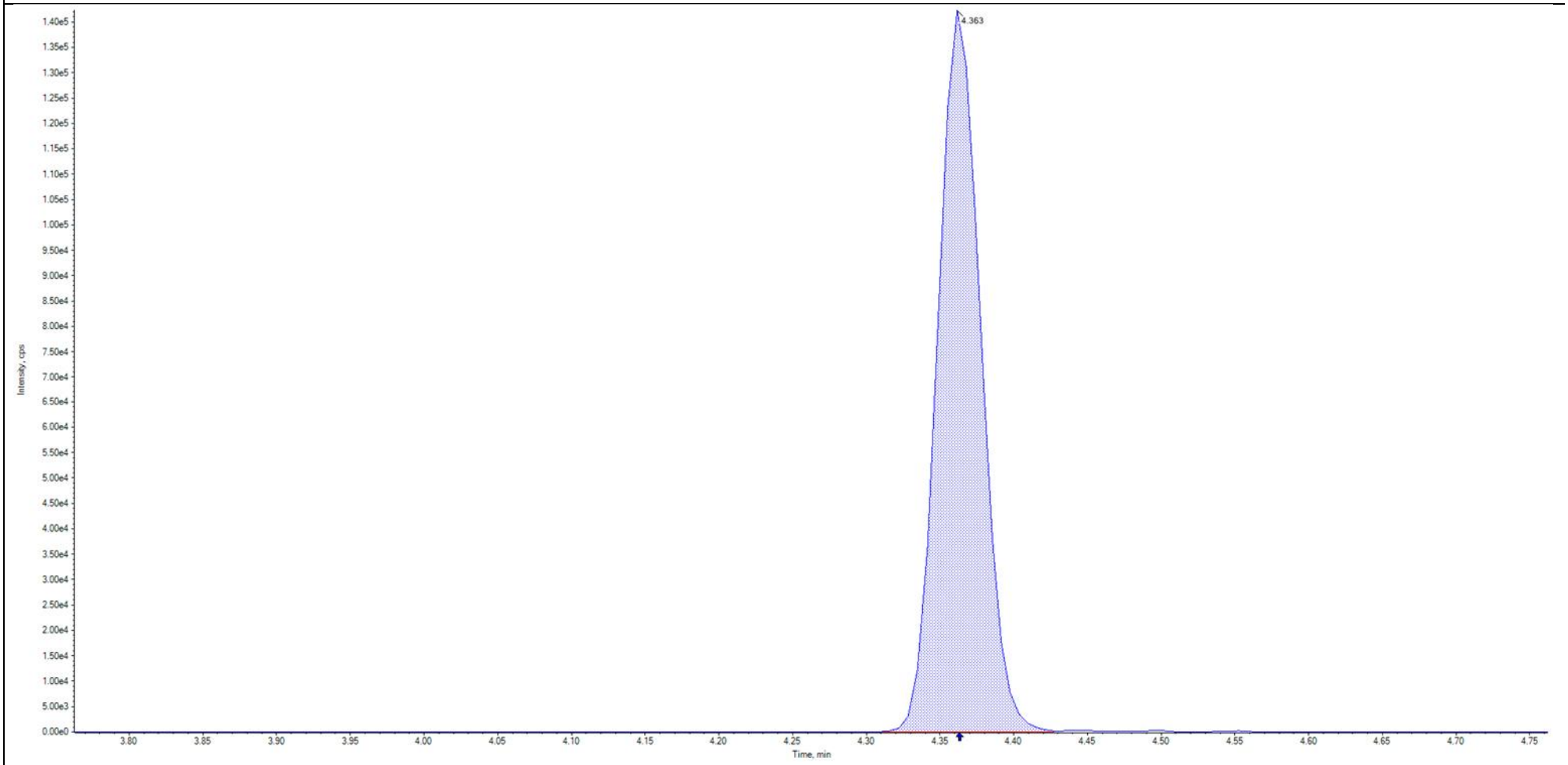
13C9-PFNA
Sample: CA1633STD-10



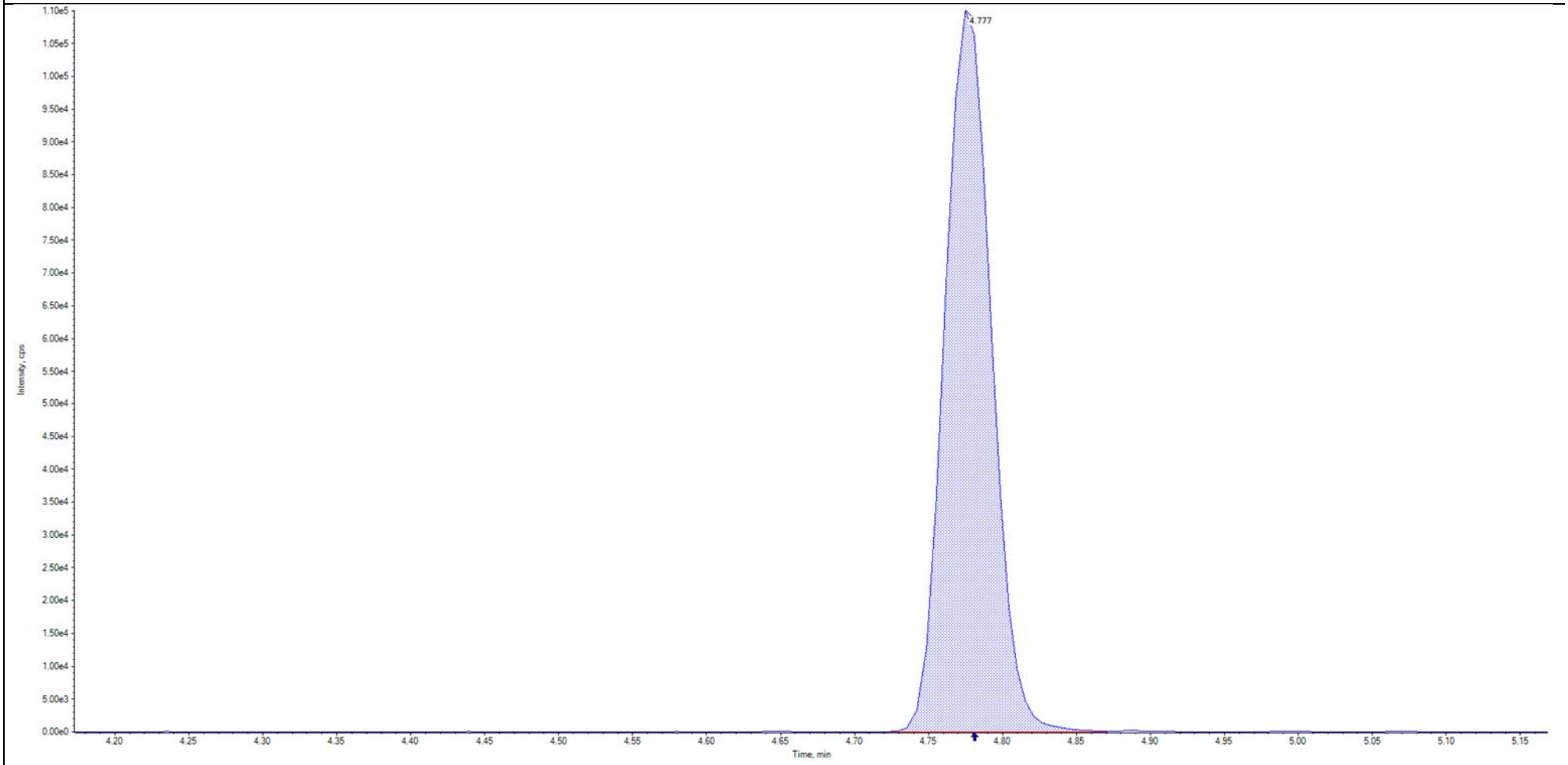
13C6-PFDA
Sample: CA1633STD-10



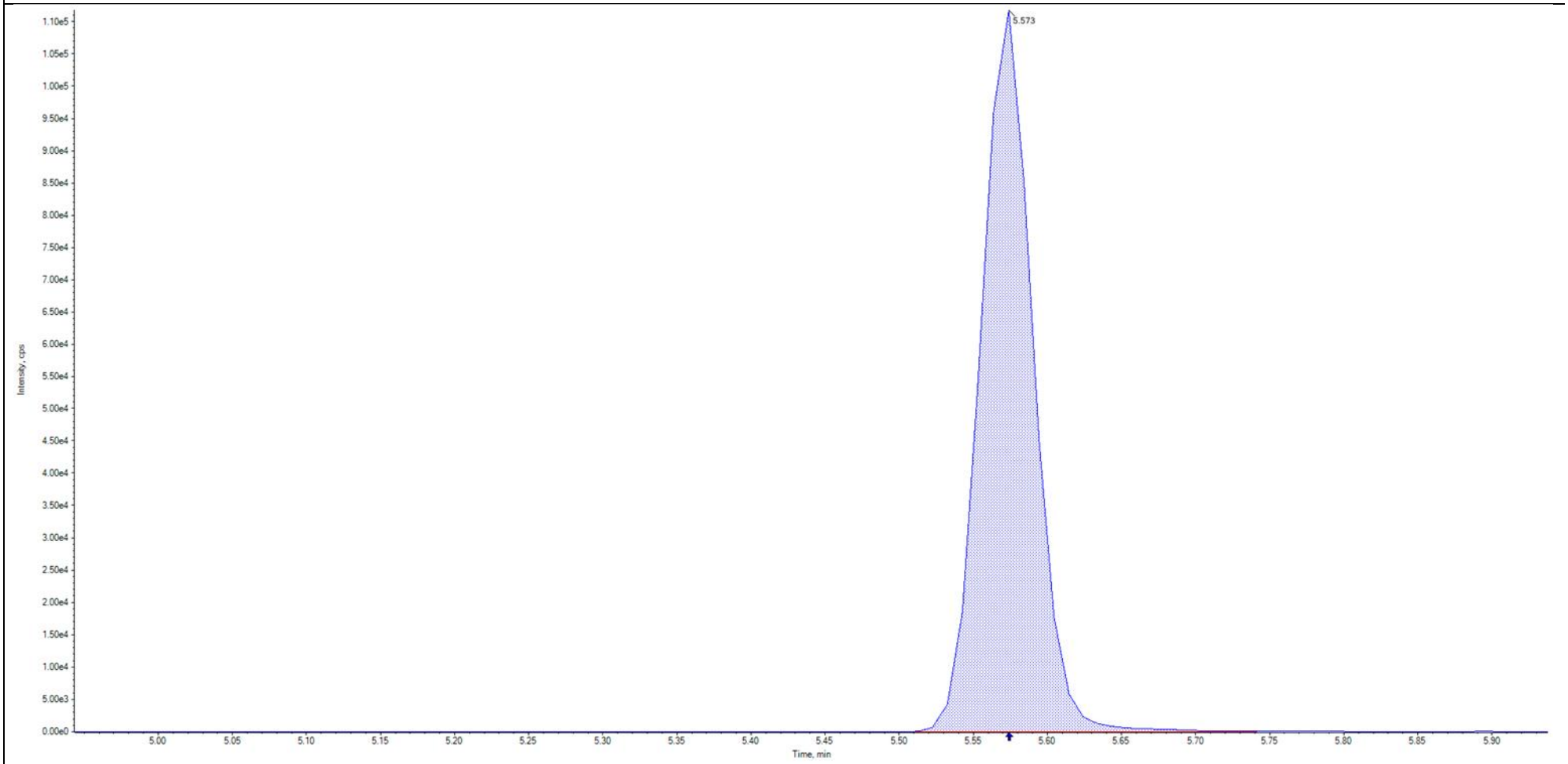
13C7-PFUnA
Sample: CA1633STD-10



13C2-PFDoA
Sample: CA1633STD-10

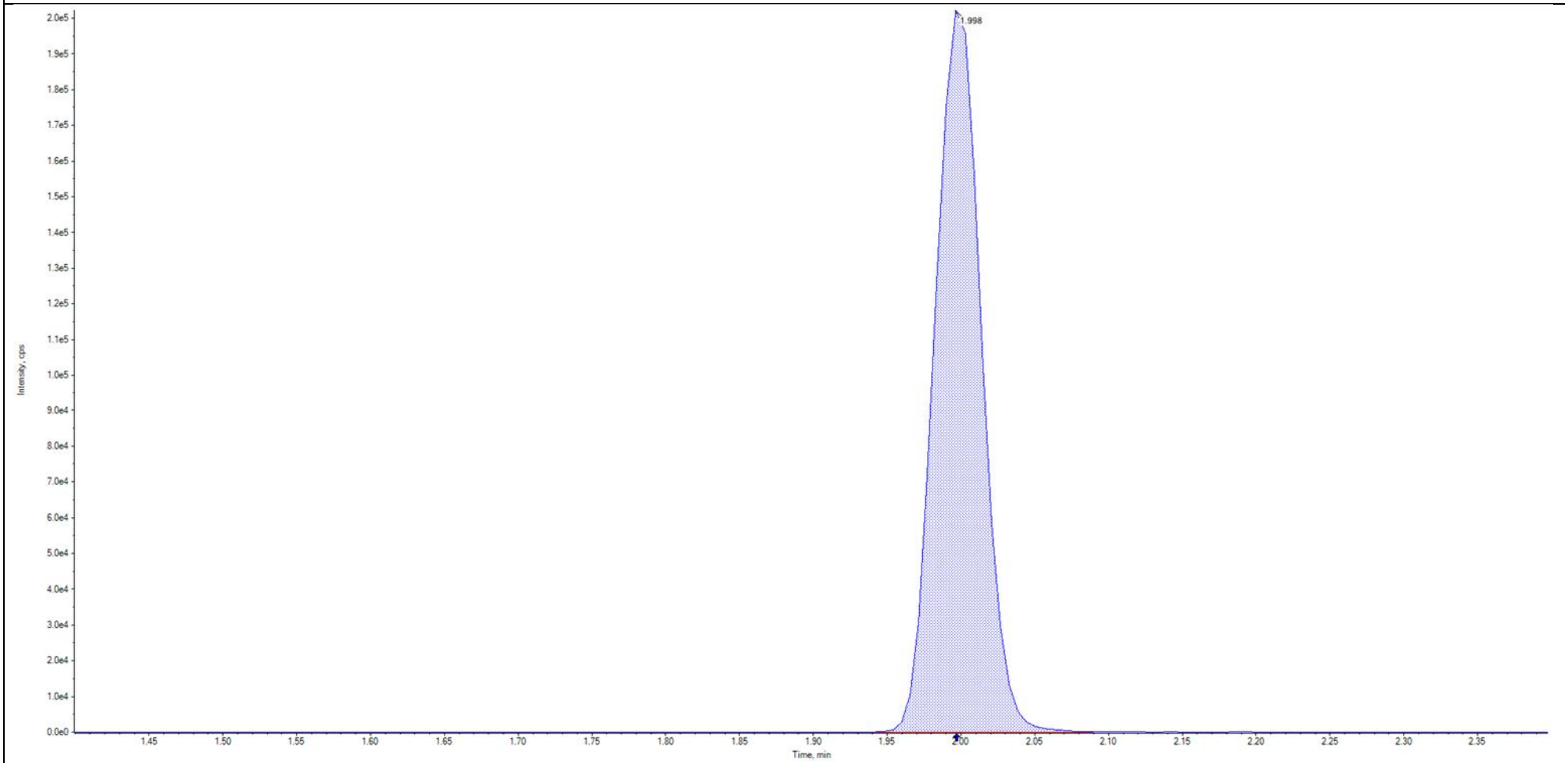


13C2-PFTeDA
Sample: CA1633STD-10

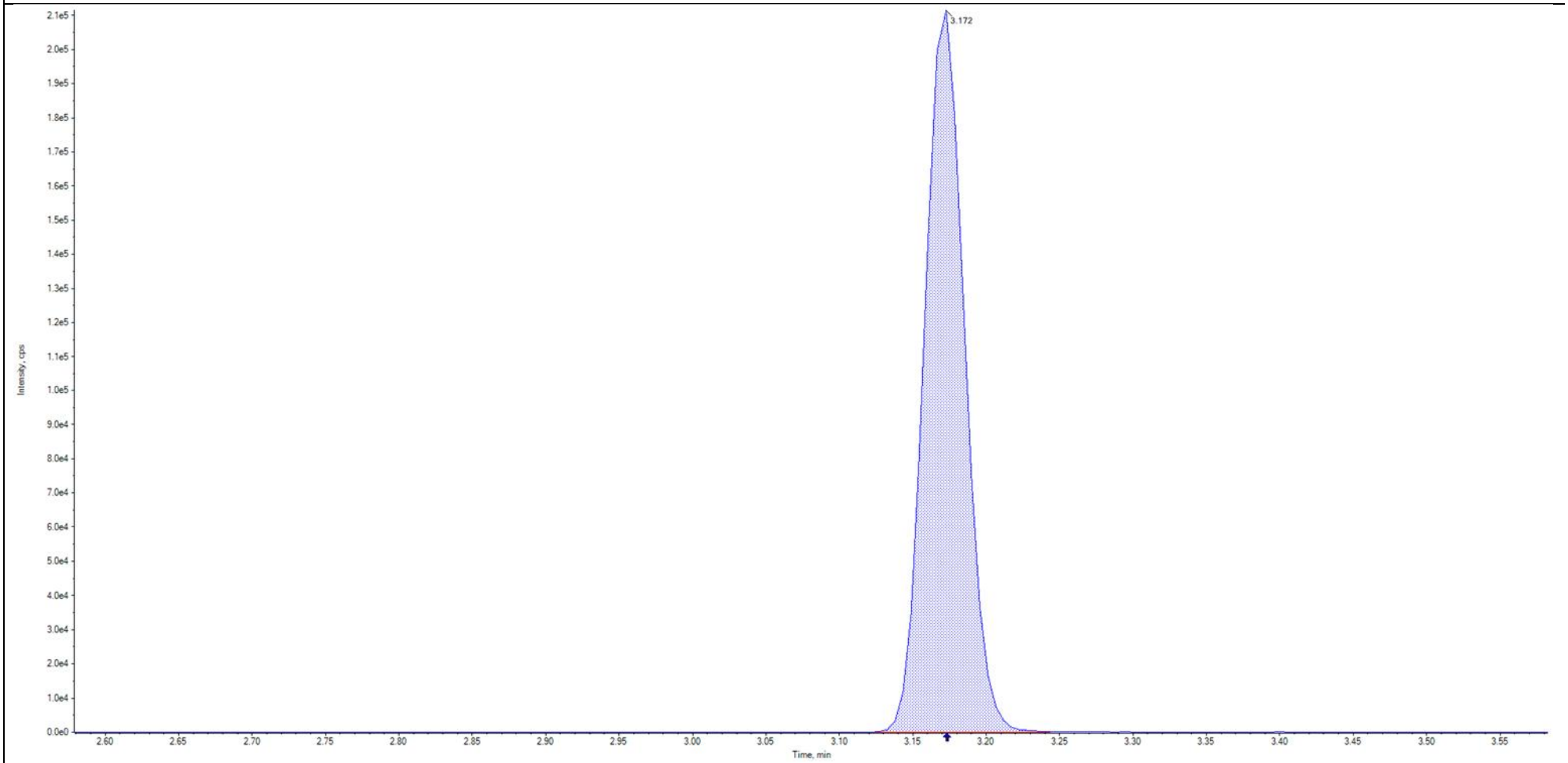


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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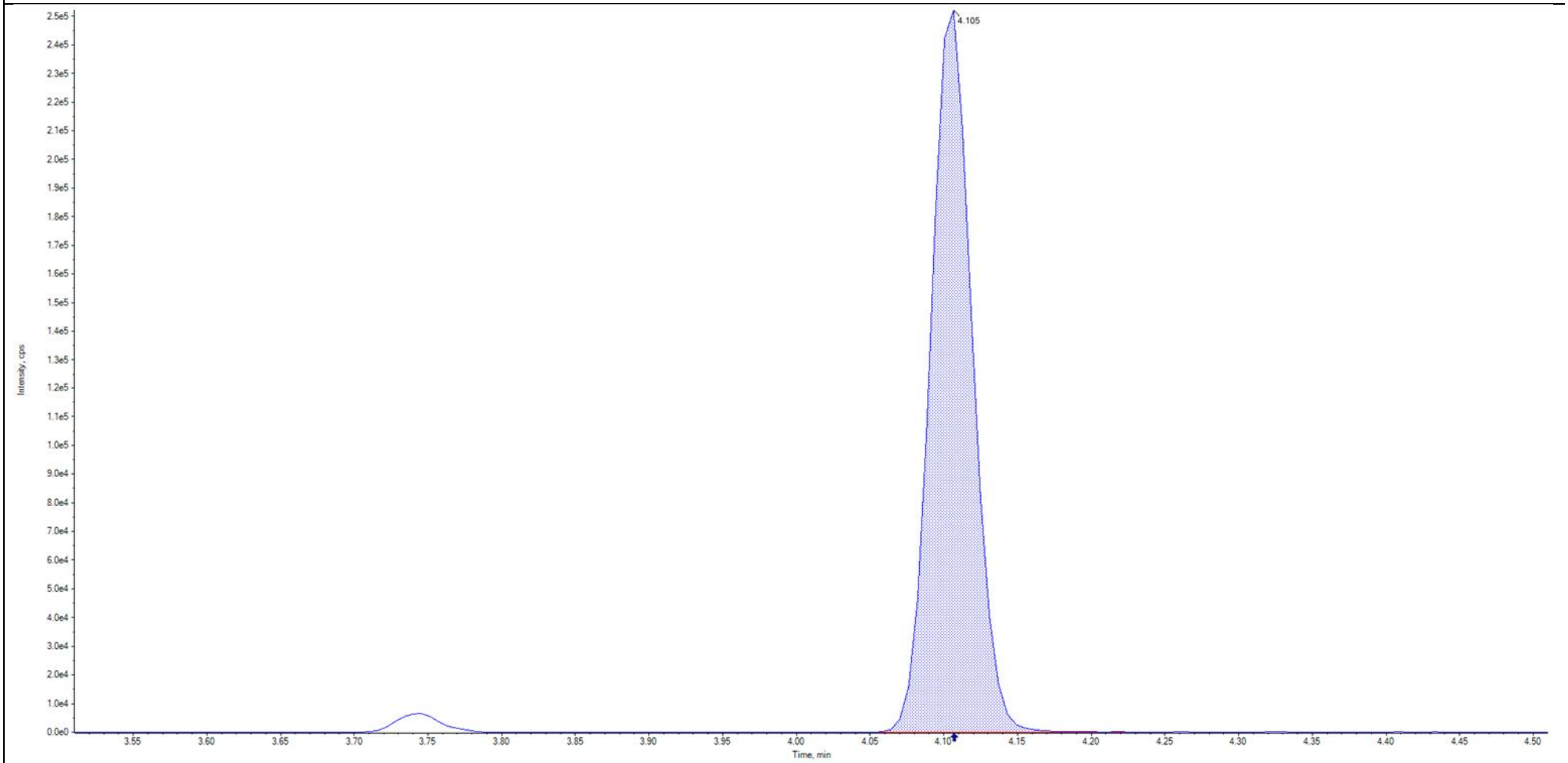
13C3-PFBS
Sample: CA1633STD-10



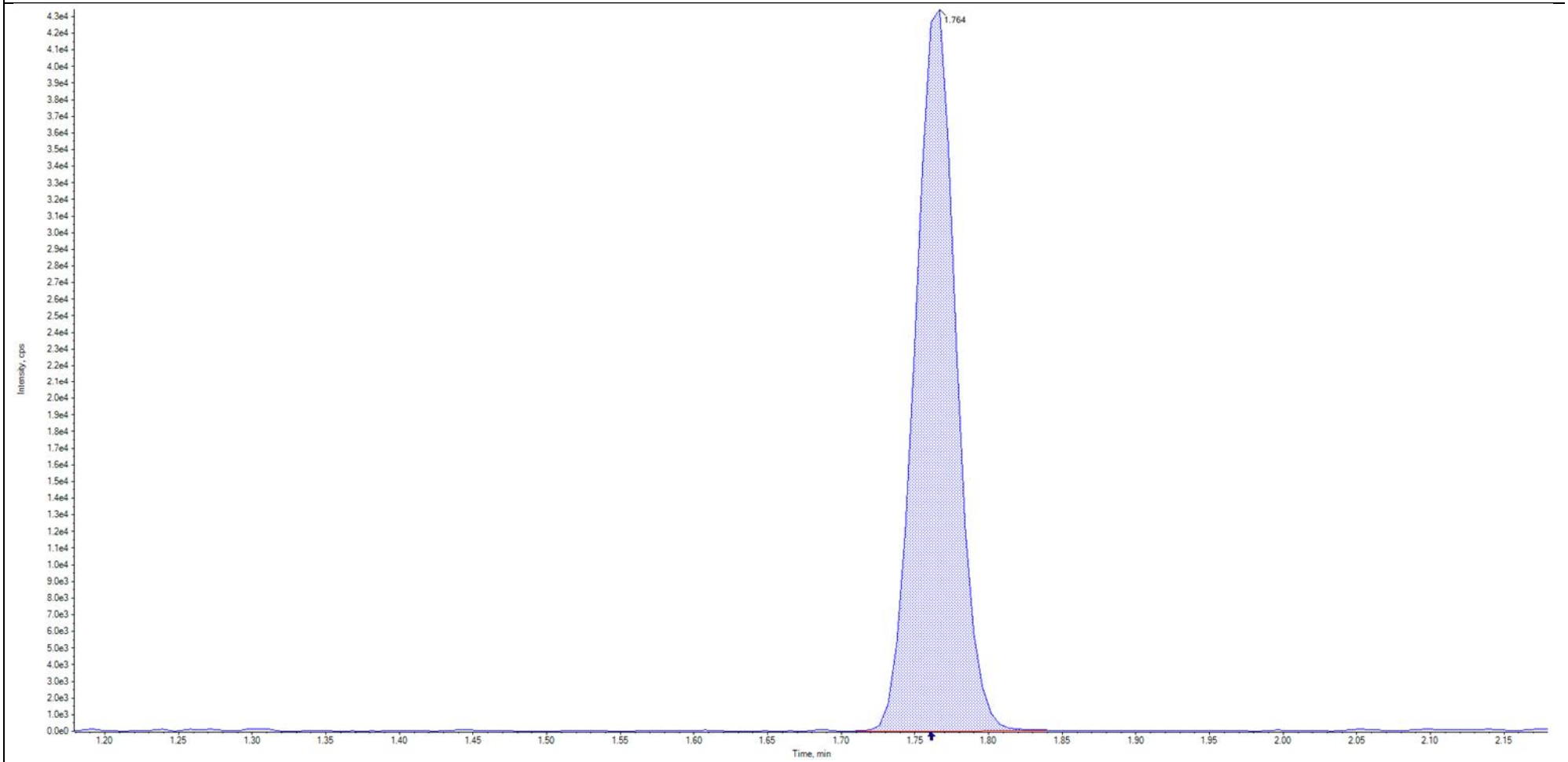
13C3-PFHxS
Sample: CA1633STD-10



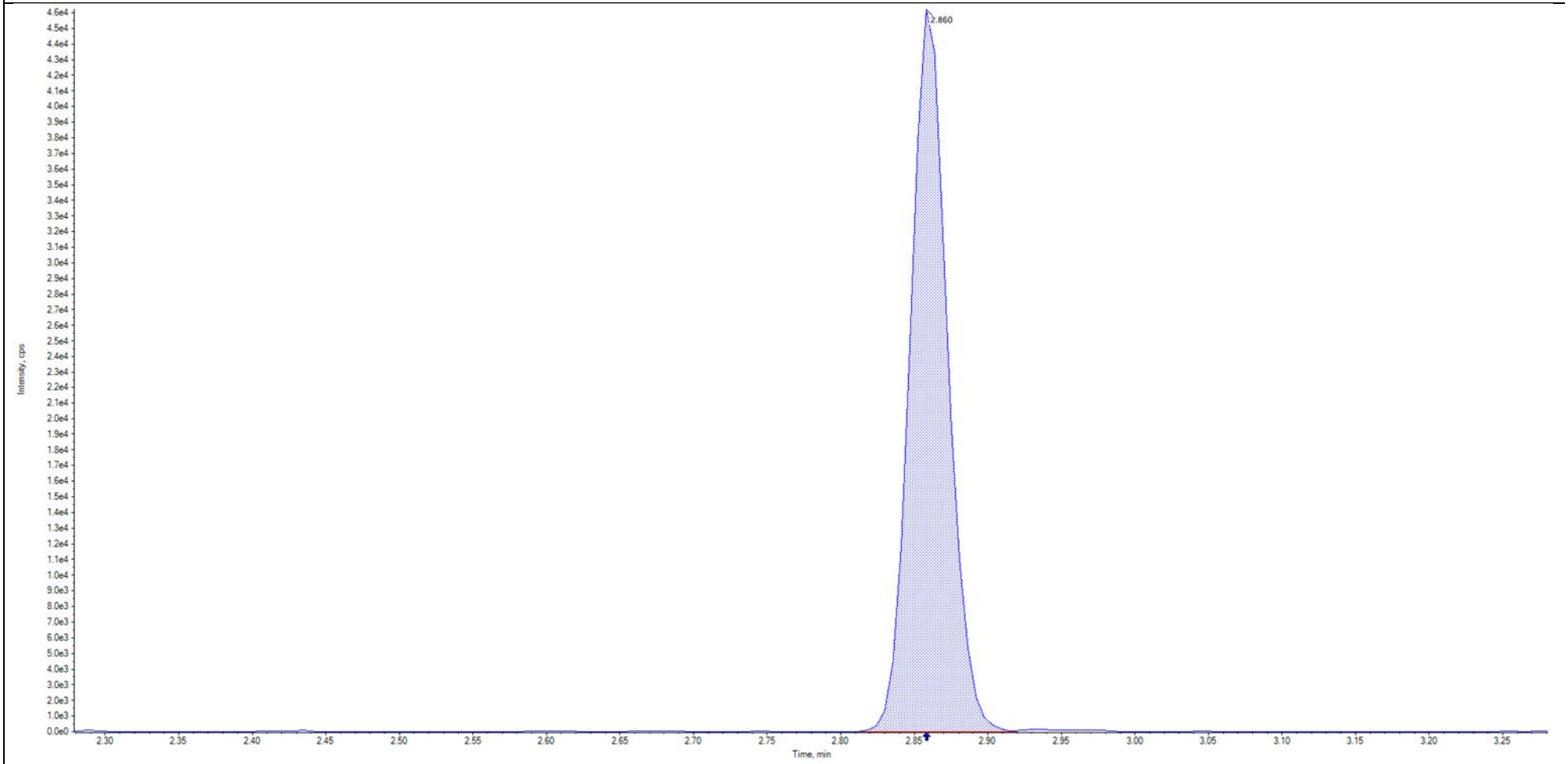
13C8-PFOS
Sample: CA1633STD-10



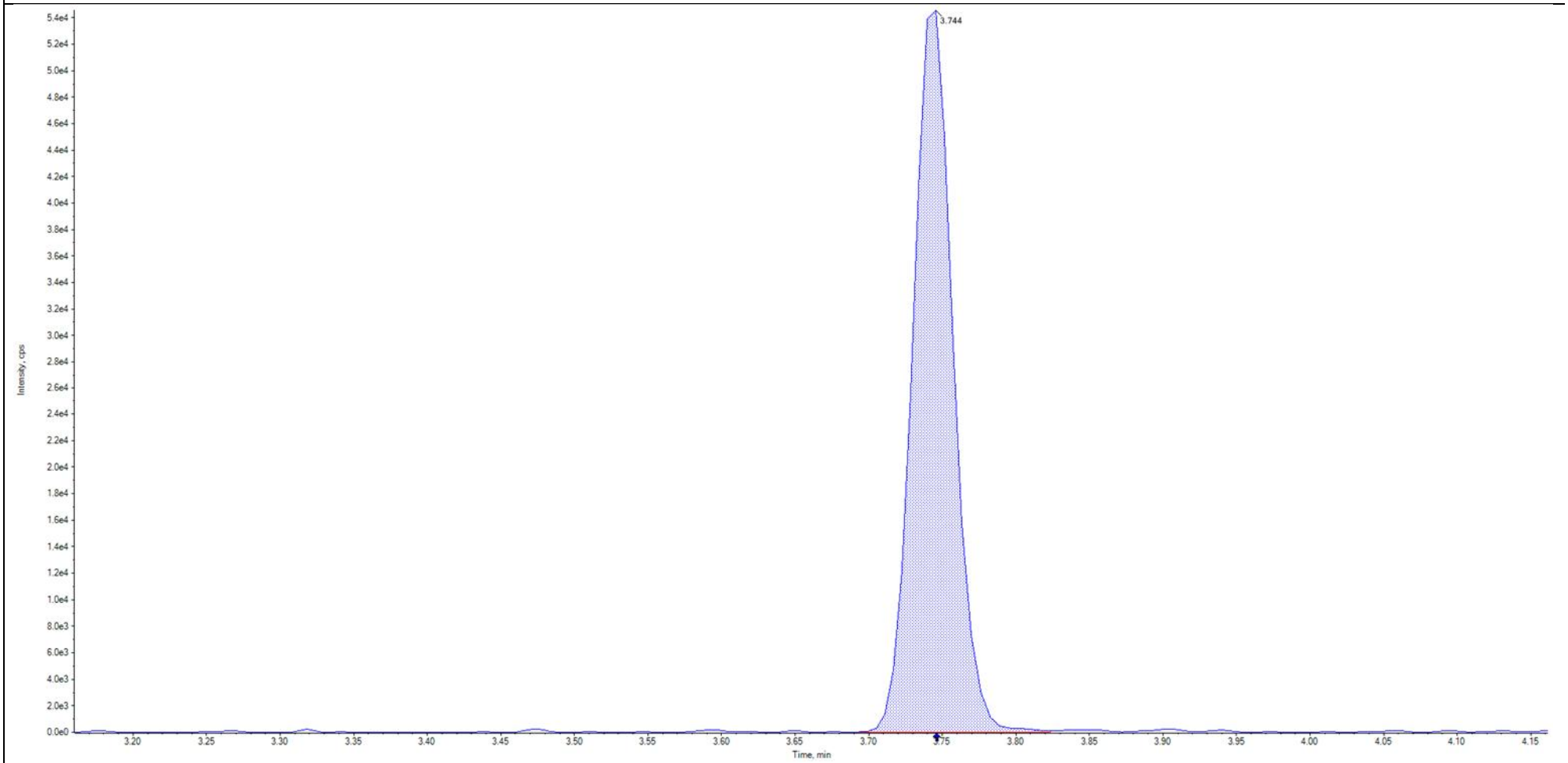
13C2-4:2FTS
Sample: CA1633STD-10



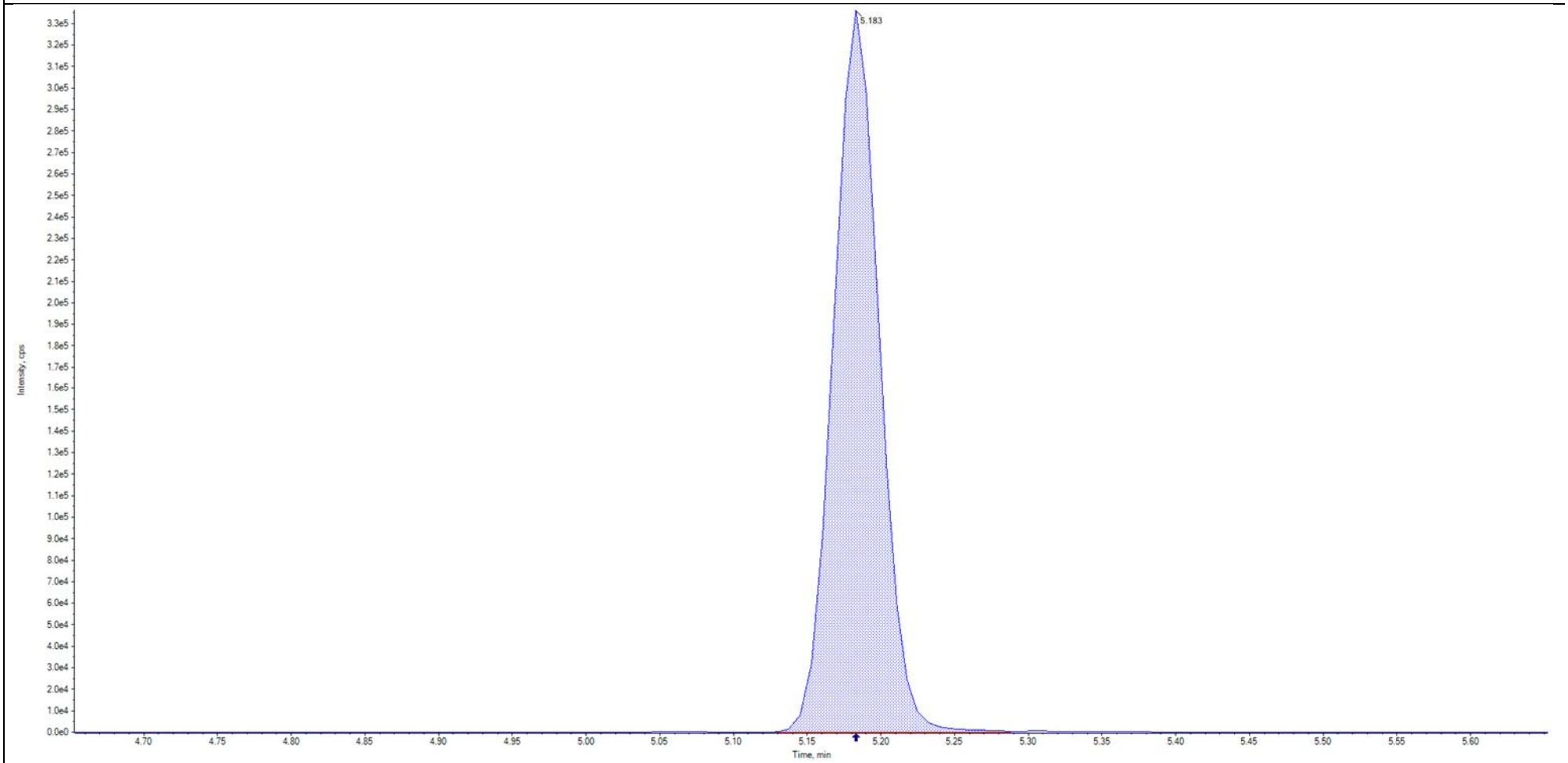
13C2-6:2FTS
Sample: CA1633STD-10



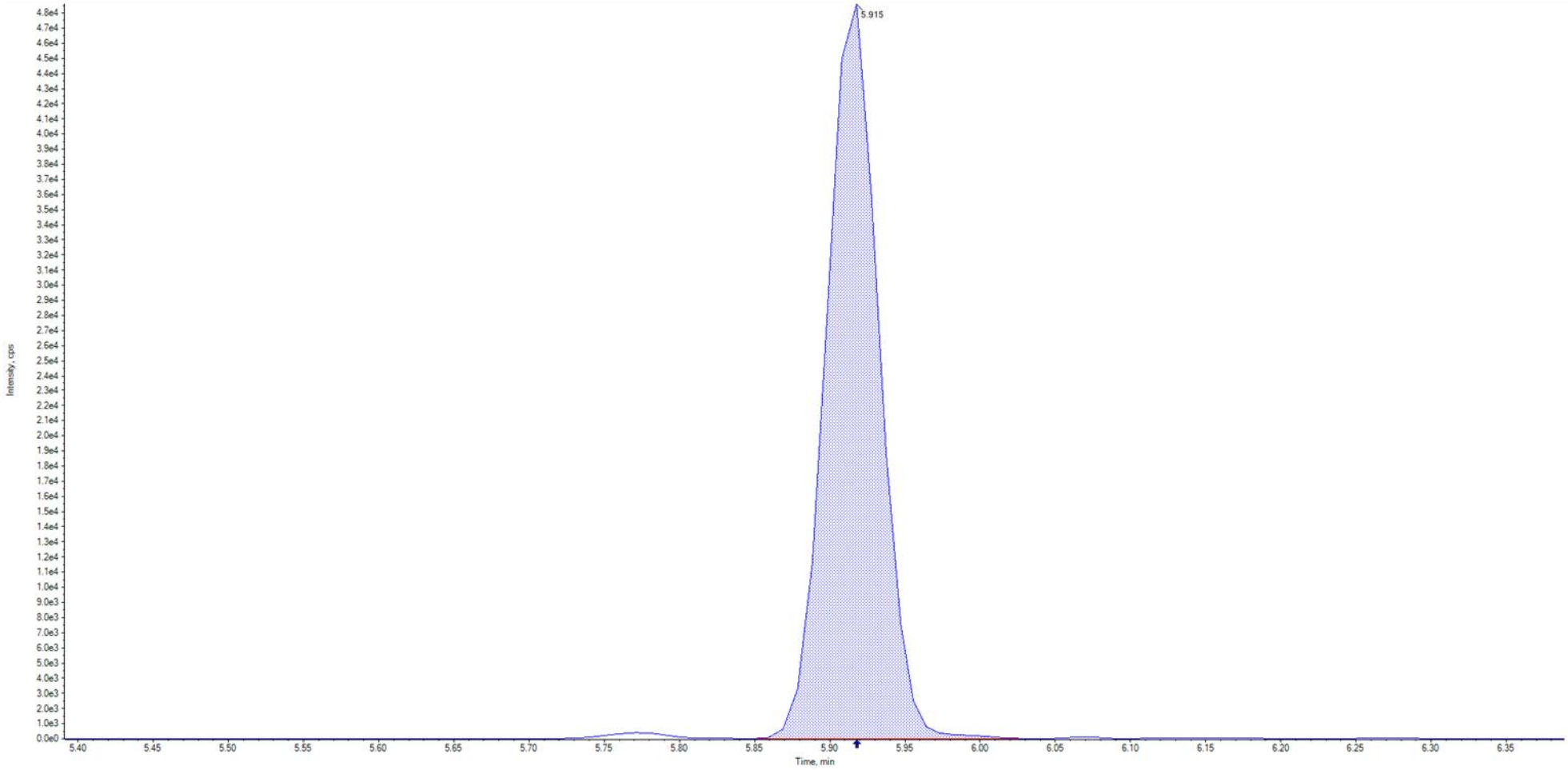
13C2-8:2FTS
Sample: CA1633STD-10



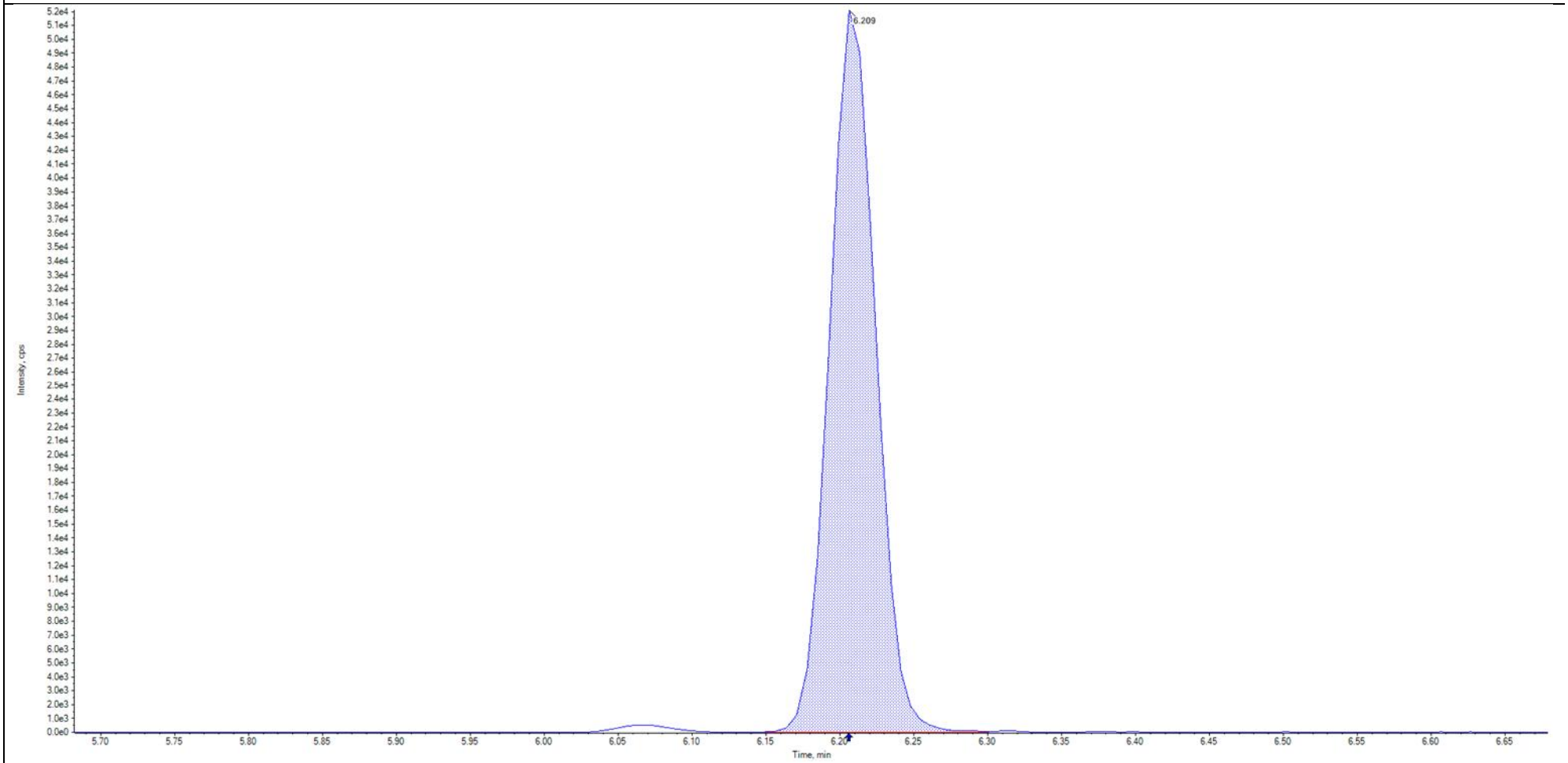
13C8-PFOSA
Sample: CA1633STD-10



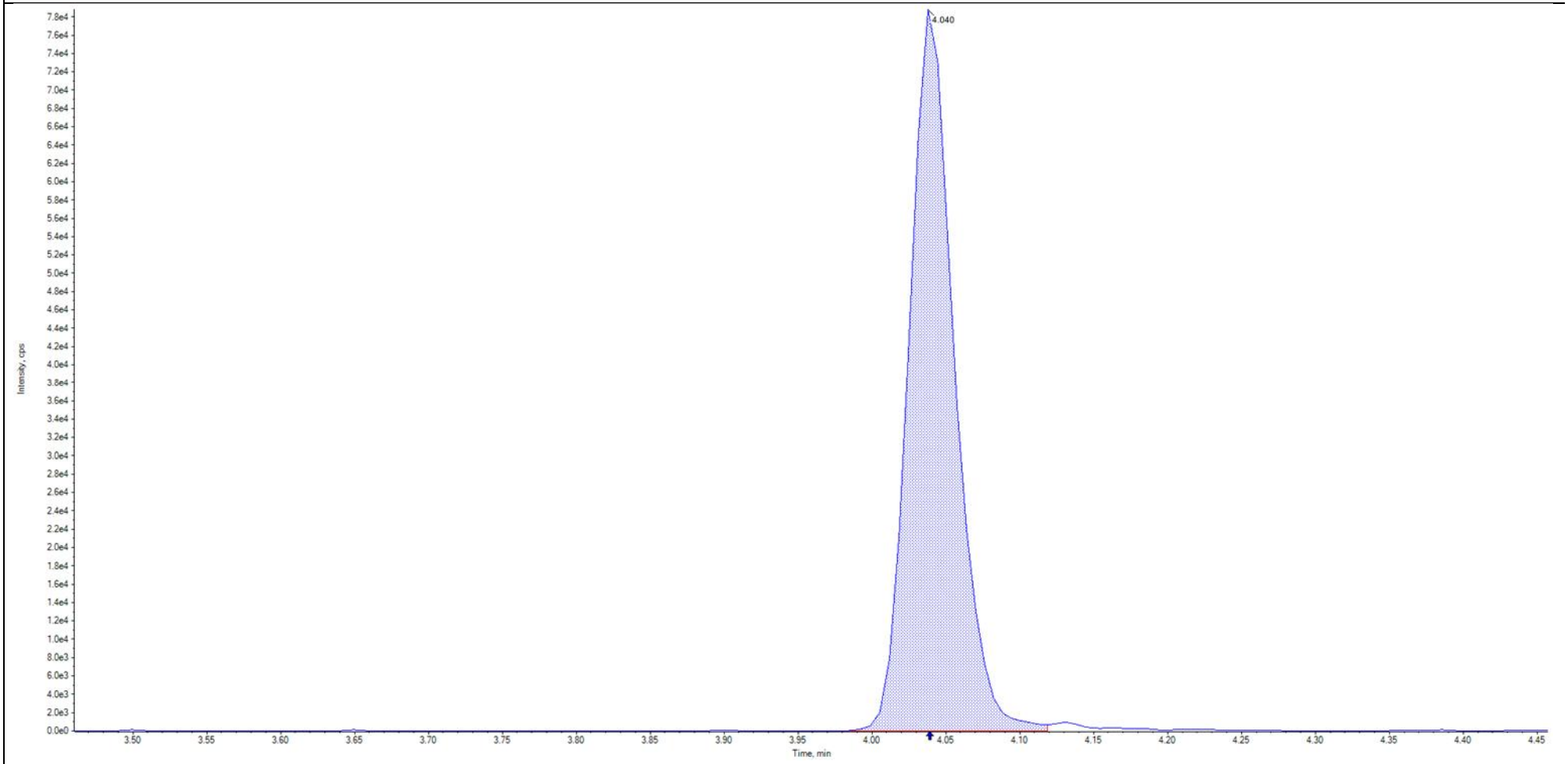
d3-NMeFOSA
Sample: CA1633STD-10



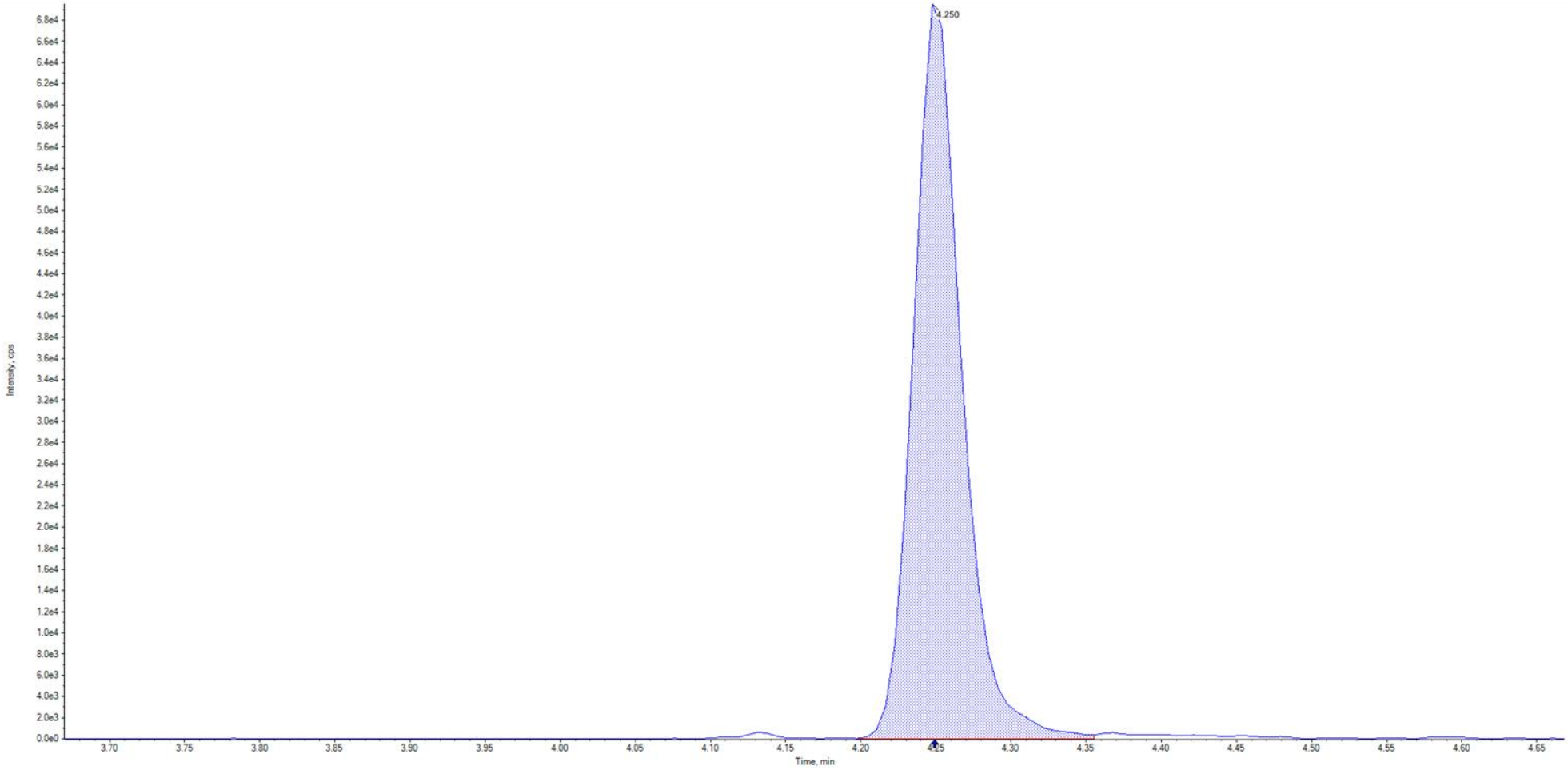
d5-NEtFOSA
Sample: CA1633STD-10



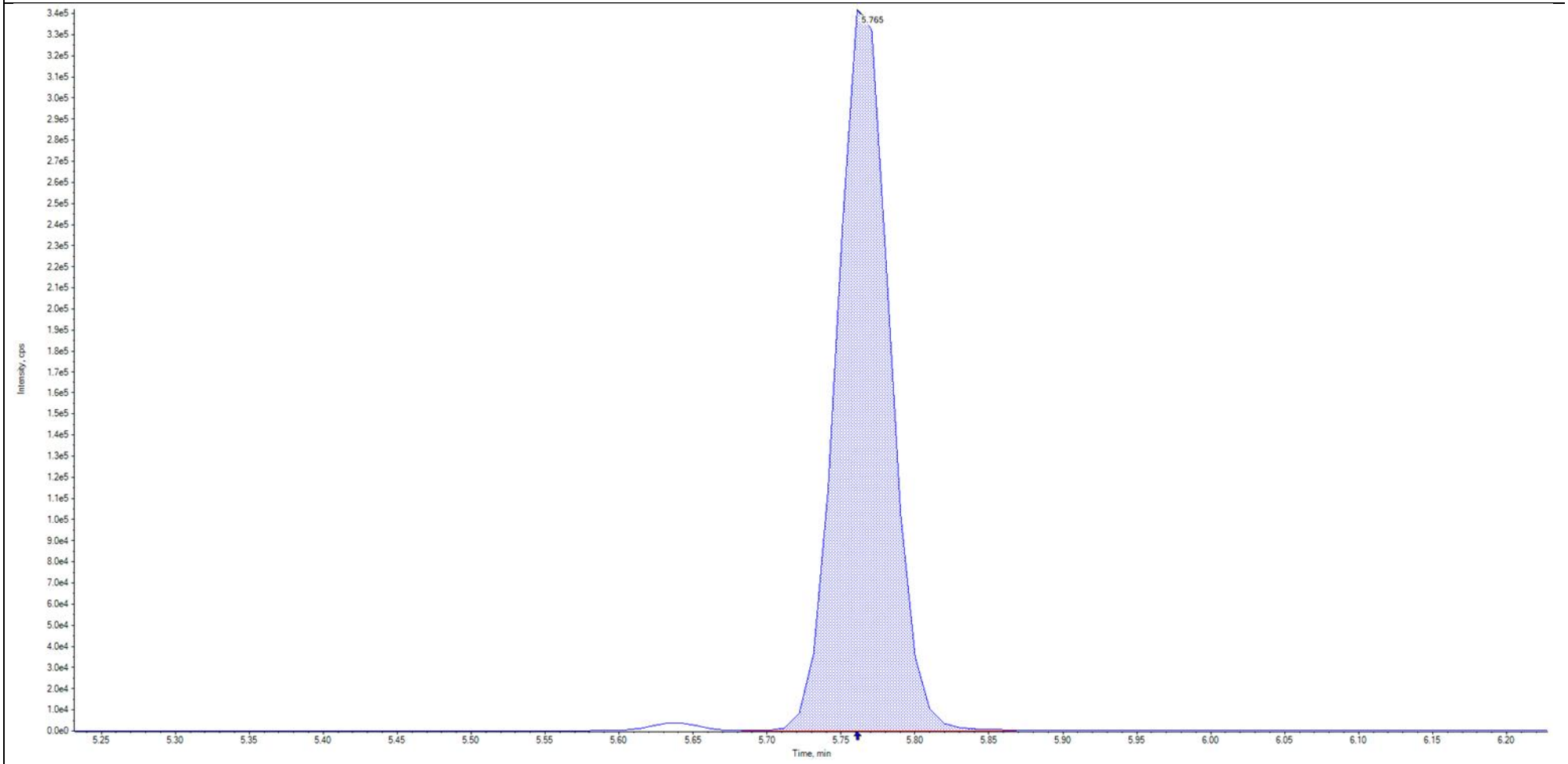
d3-NMeFOSAA
Sample: CA1633STD-10



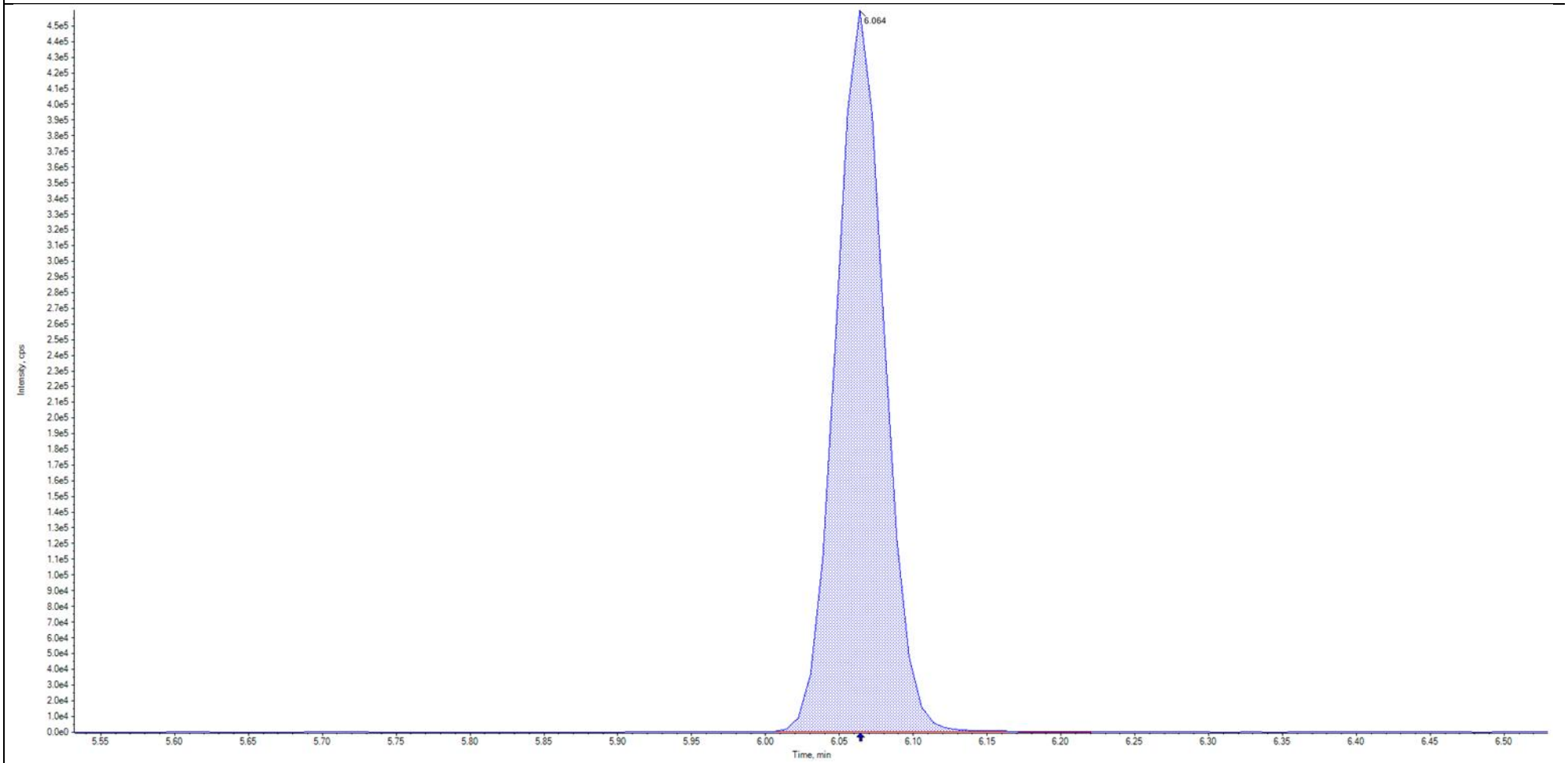
d5-NEtFOSAA
Sample: CA1633STD-10



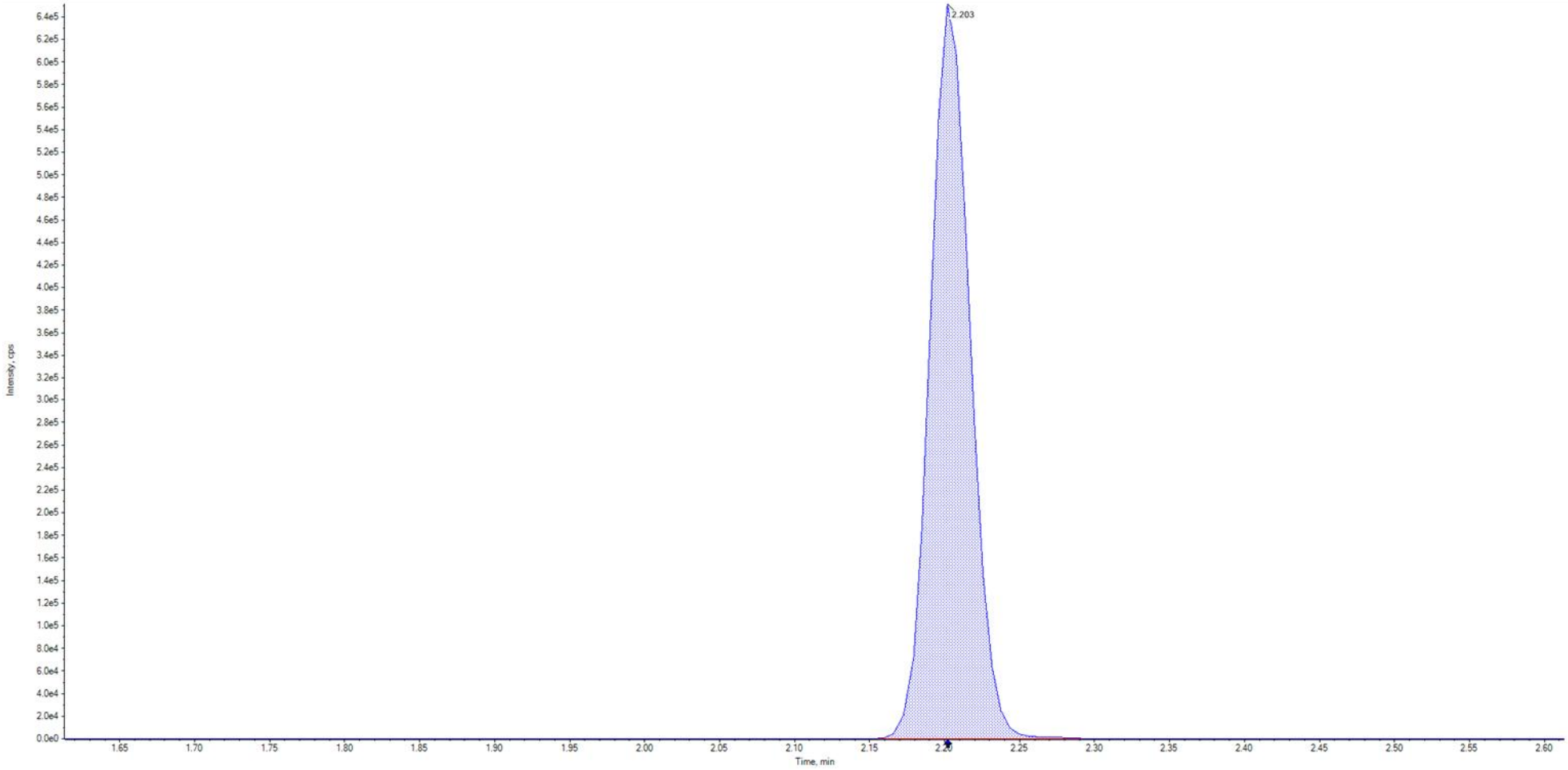
d7-NMeFOSE
Sample: CA1633STD-10



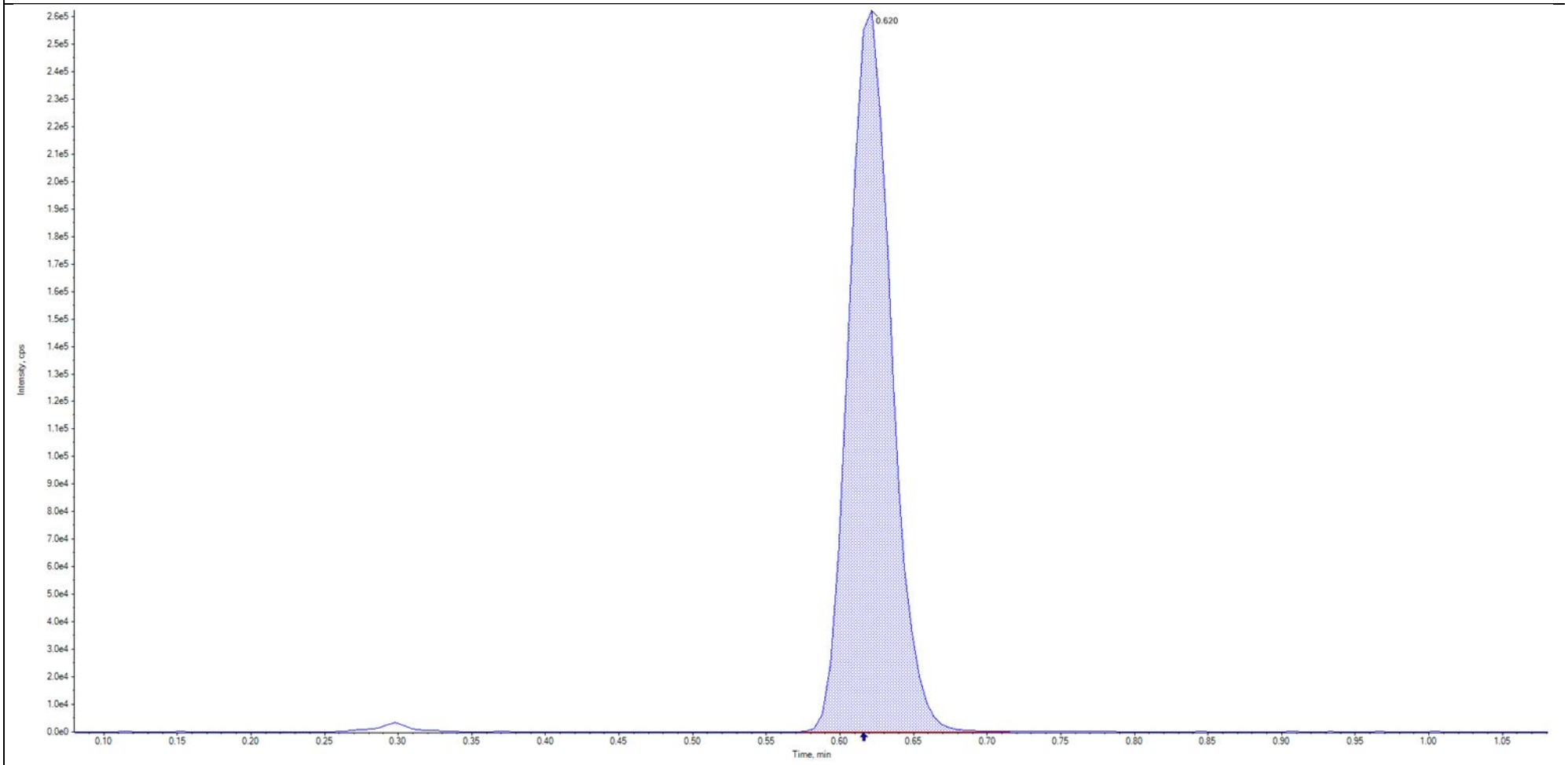
d9-NEtFOSE
Sample: CA1633STD-10



13C3-HFPO-DA
Sample: CA1633STD-10

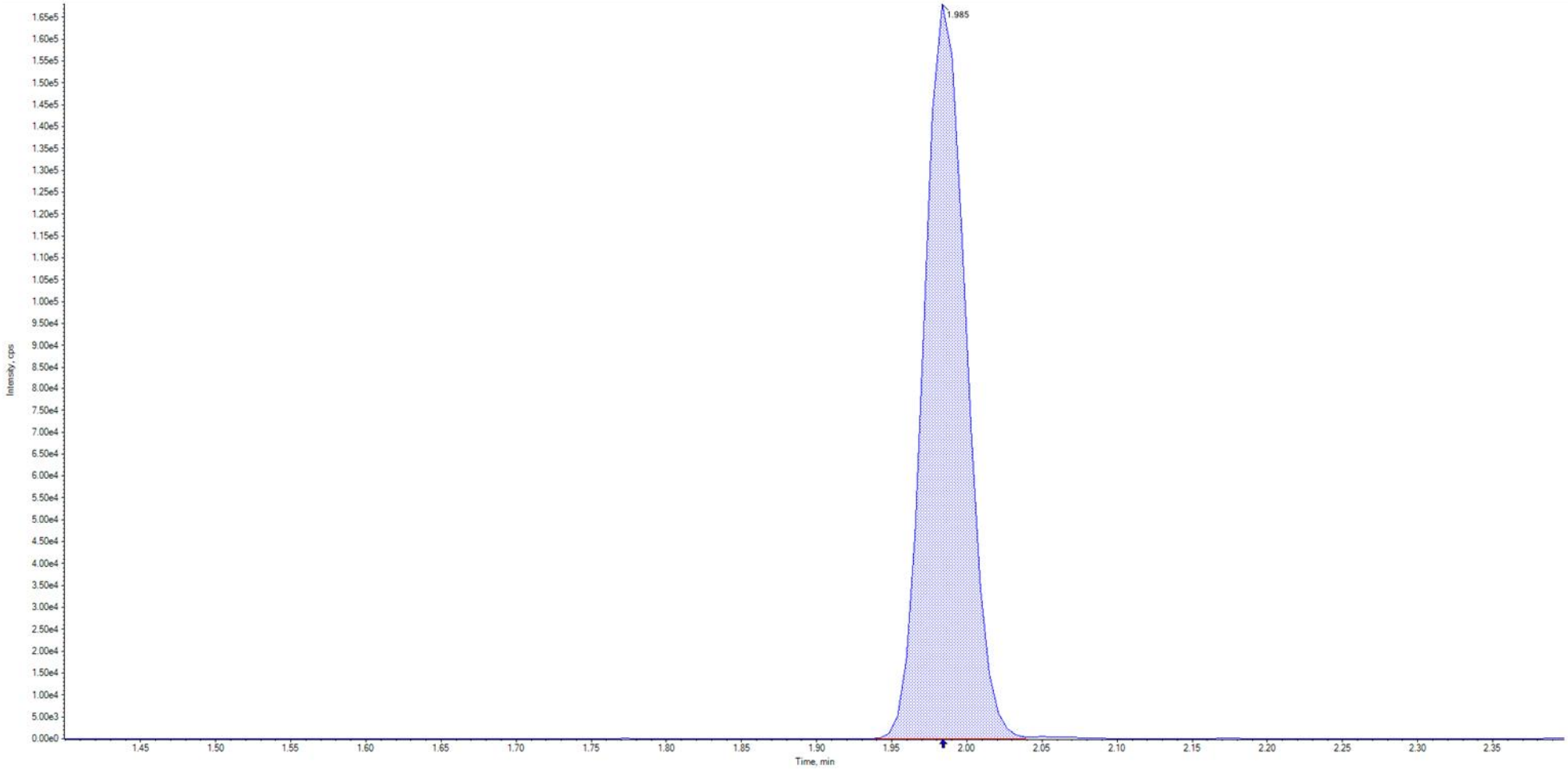


13C3-PFBA
Sample: CA1633STD-10

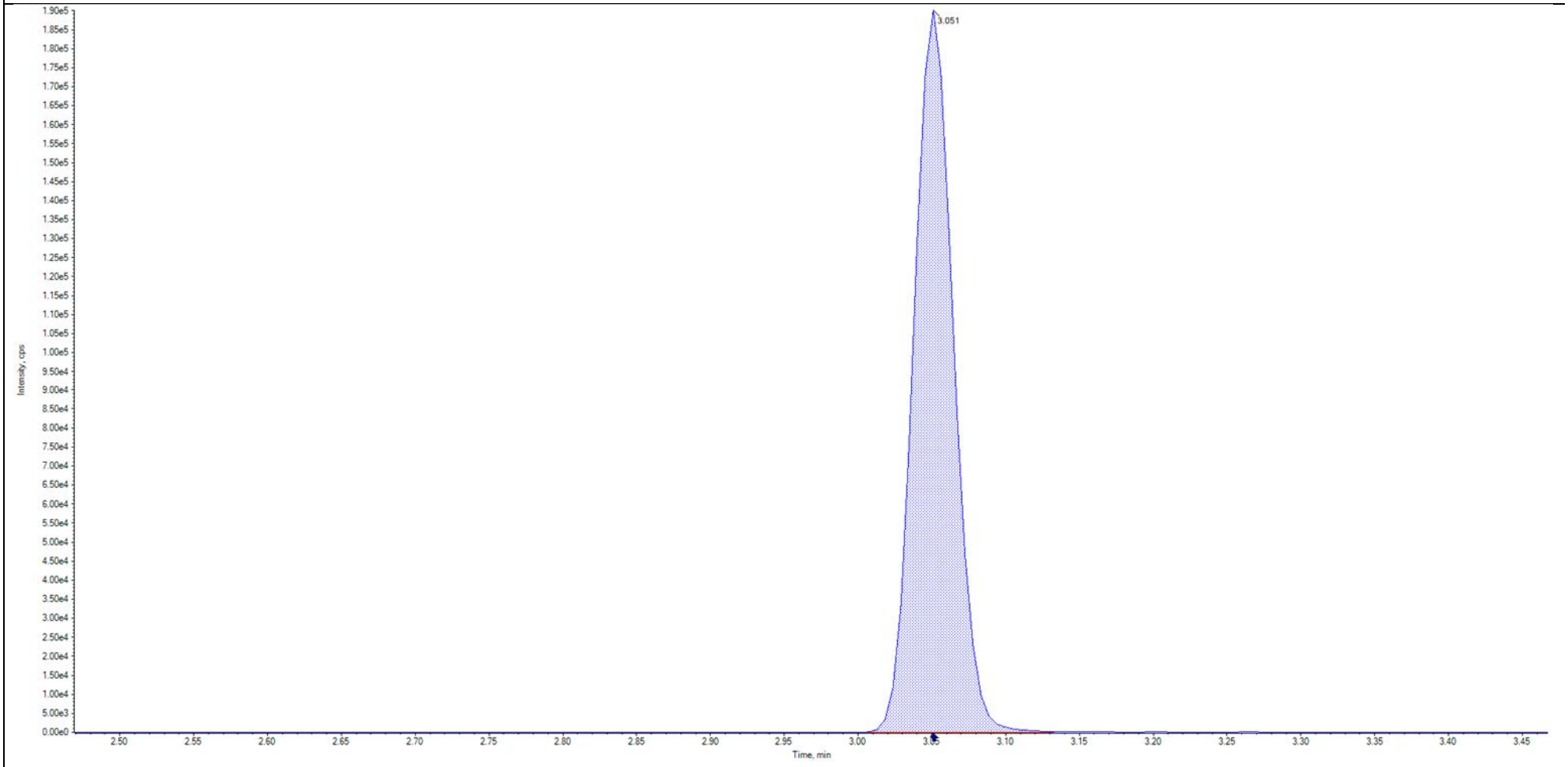


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
Dataset: D:\SCIEX OS Data\PFAS\Data\241216\SCI08_241216_22.wiff2_3
Last Altered: 12/17/2024 2:10:27 AM
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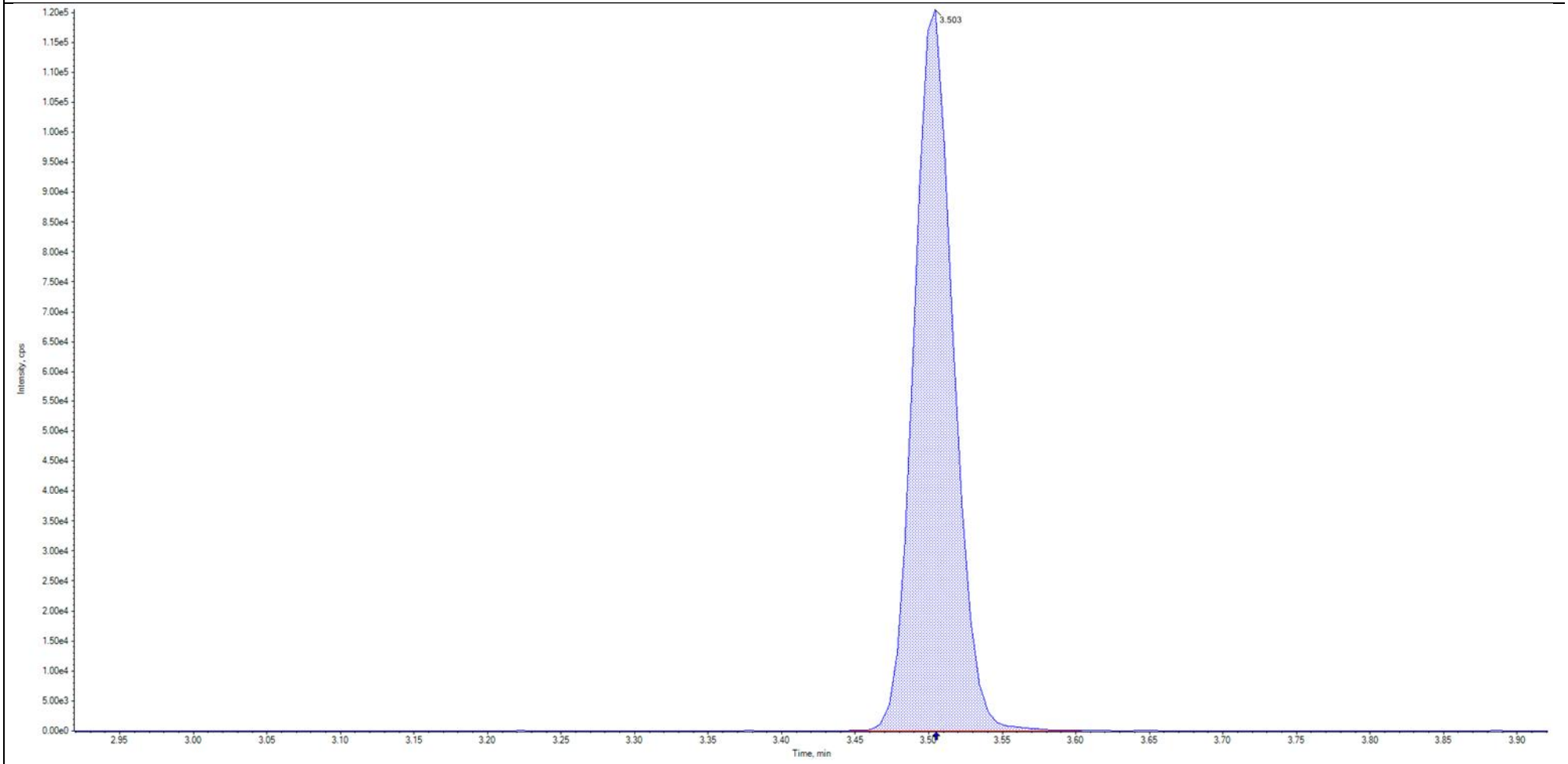
13C2-PFHxA
Sample: CA1633STD-10



13C4-PFOA
Sample: CA1633STD-10

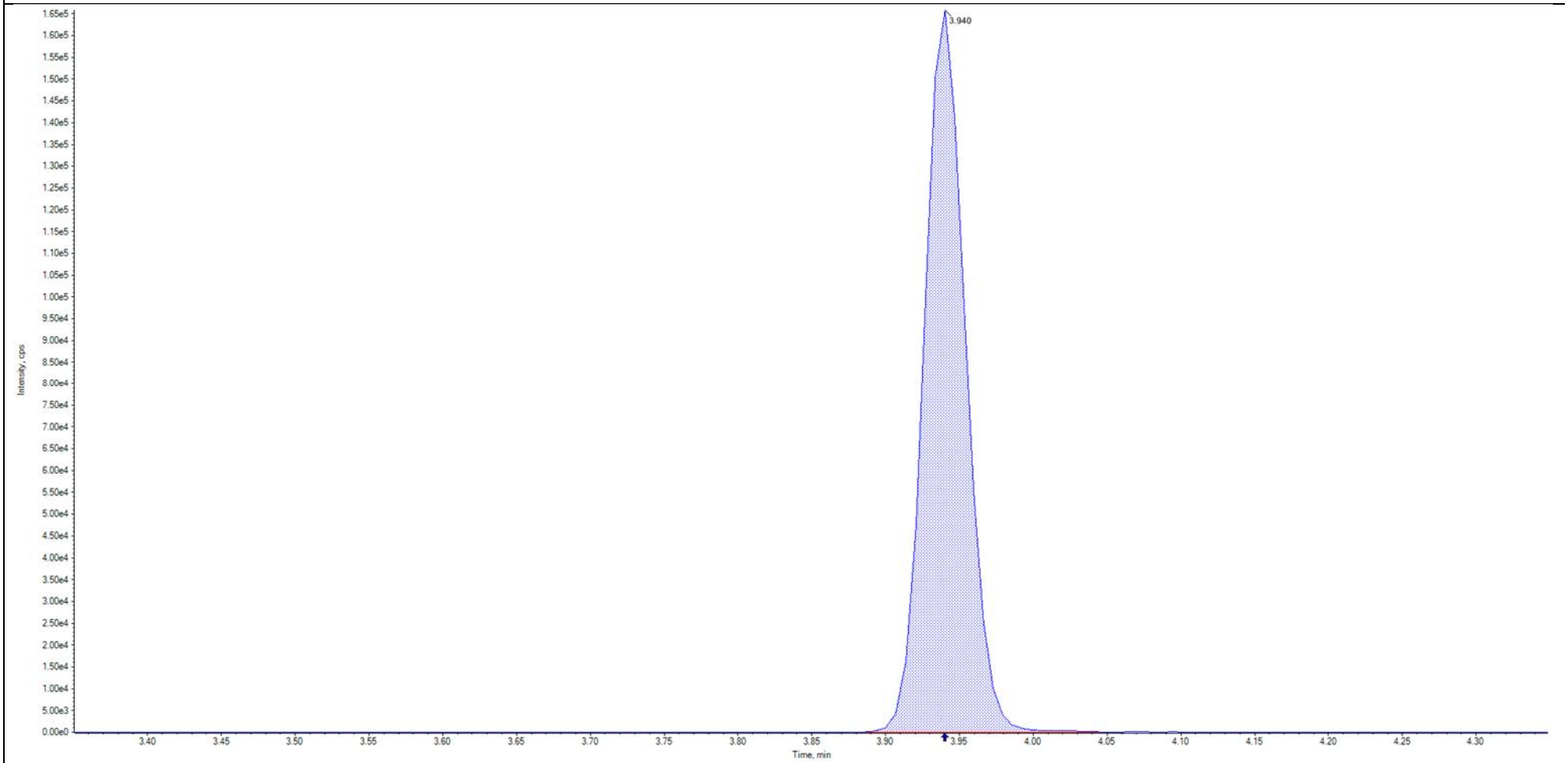


13C5-PFNA
Sample: CA1633STD-10

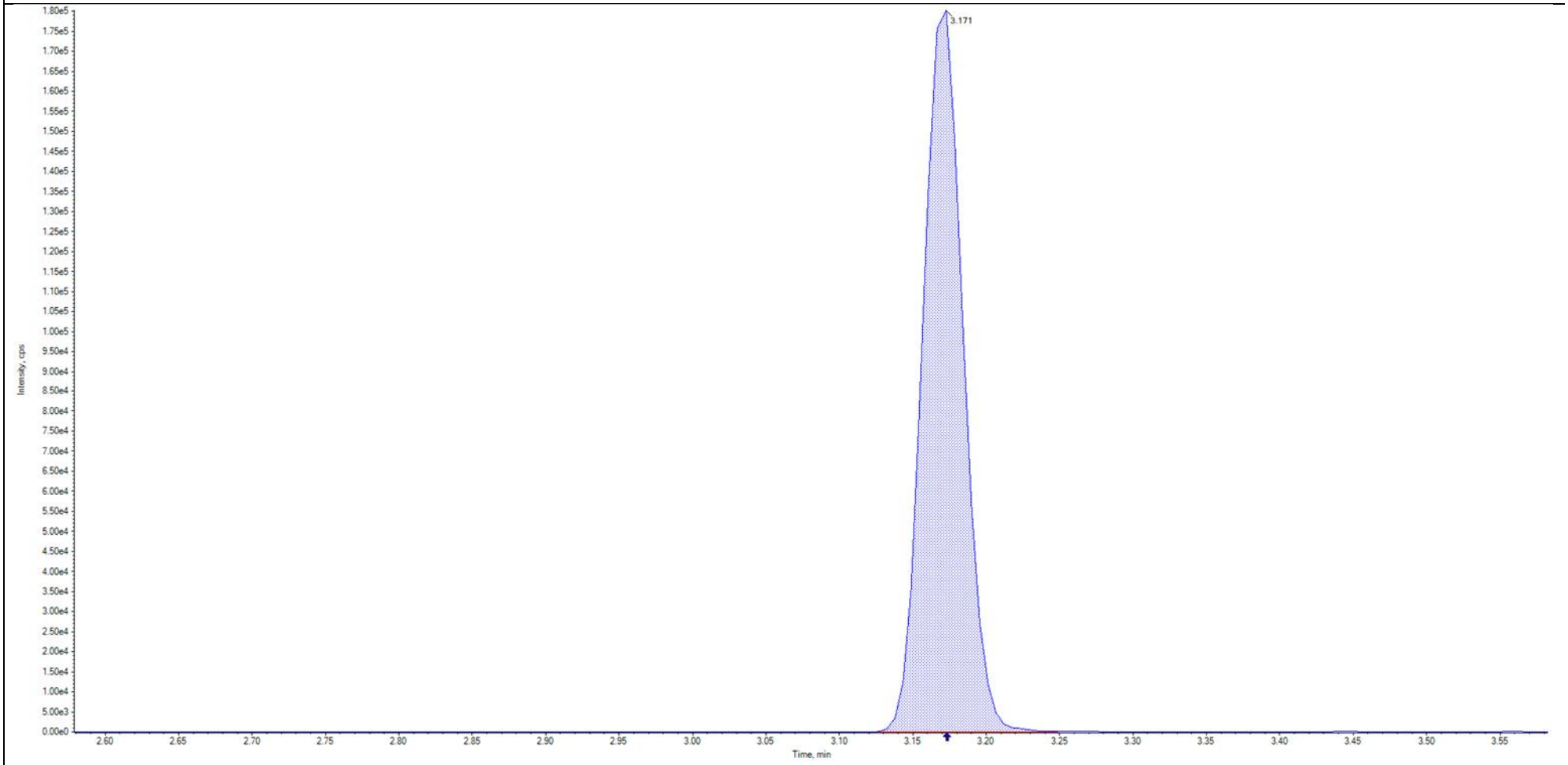


Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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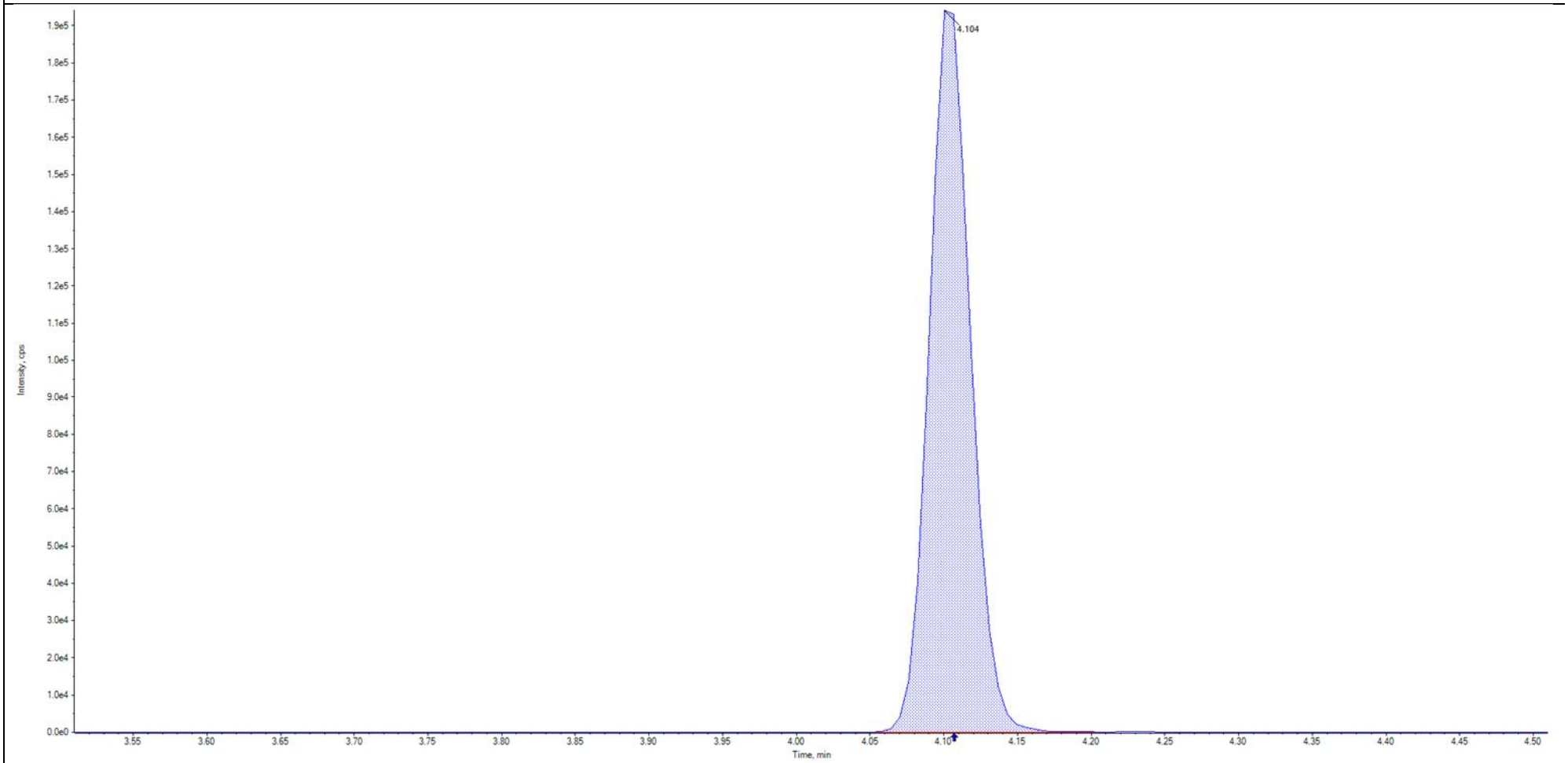
13C2-PFDA
Sample: CA1633STD-10



18O2-PFHxS
Sample: CA1633STD-10



13C4-PFOS
Sample: CA1633STD-10



Quantify Sample Summary Report SCIEX OS Version 3.3.0.12027
Alpha Analytical LLC
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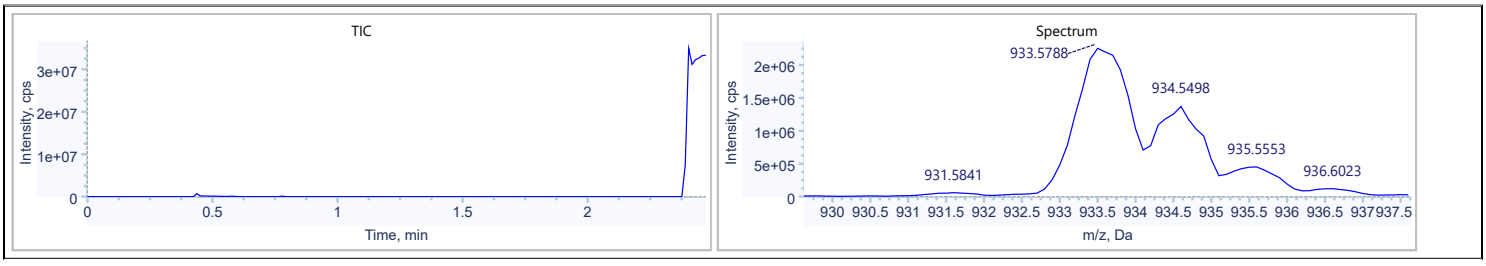
Instrument Tuning Report

12/16/2024 10:53 AM

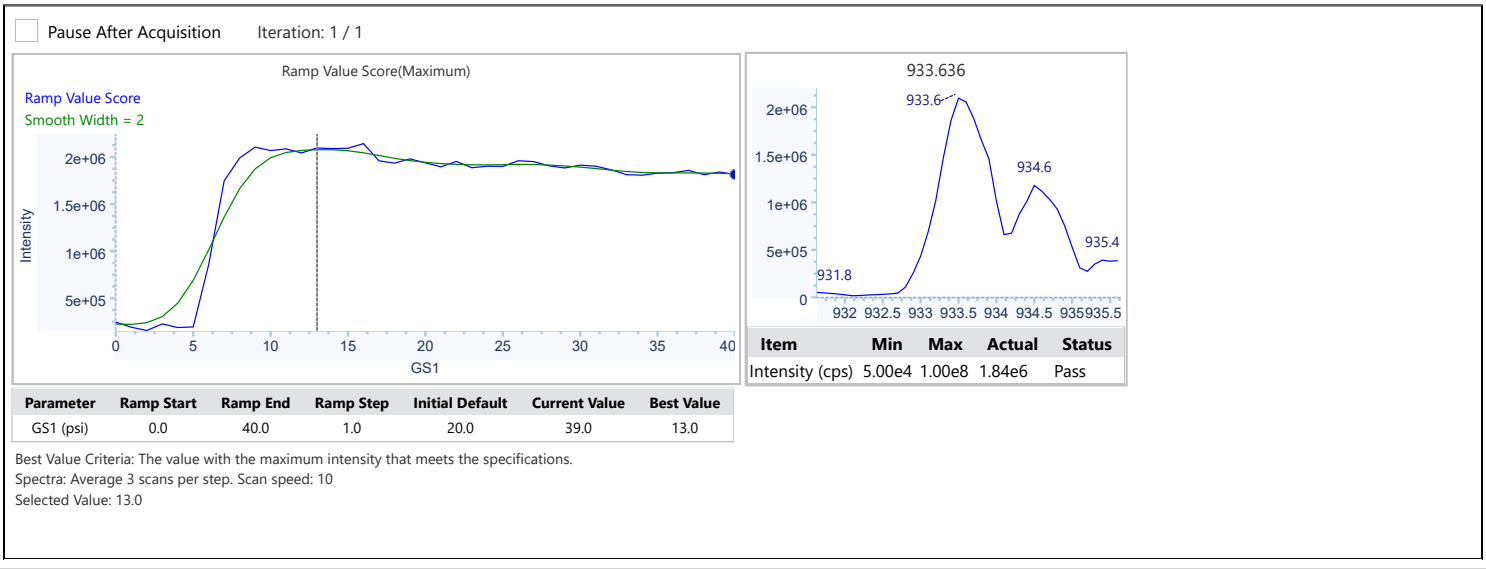
Instrument Name:	SCIEX Triple Quad 5500+	**Manufacturer:**	AB Sciex
Instrument Model:	TripleQuad5500+	**Target Instrument:**	TripleQuad5500+
Ion Source:	TurboIonSpray	**Optimization Set:**	5500+ MS Scan Tuning
Serial Number:	EX235302209	**Doc Num Revision:**	TripleQuad5500+PickSetTune Eng
User Name:	A2-LCMS08		

1. Negative Prerequisites

Step	Result	Details
Achieve Stable Spray Neg	**Pass**	



Step	Result	Details
Optimize Gas 1 Neg	**Pass**	Found best GS1 (psi) value of 13



Item	Min	Max	Actual	Status
Intensity (cps)	5.00e4	1.00e8	1.84e6	Pass

Parameter	Ramp Start	Ramp End	Ramp Step	Initial Default	Current Value	Best Value
GS1 (psi)	0.0	40.0	1.0	20.0	39.0	13.0

Best Value Criteria: The value with the maximum intensity that meets the specifications.
Spectra: Average 3 scans per step. Scan speed: 10
Selected Value: 13.0

2. Negative Q1 Unit Resolution Optimization

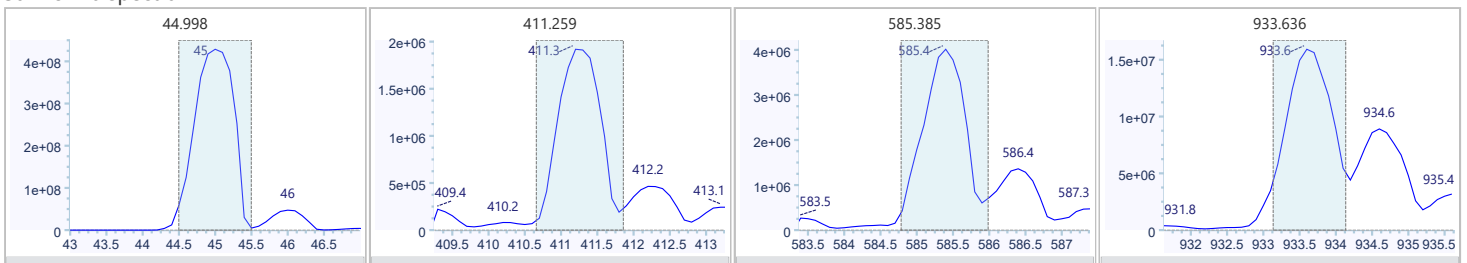
Step	Result	Details

Instrument Tuning Report

Instrument Name:	SCIEX Triple Quad 5500+	**Manufacturer:**	AB Sciex
Instrument Model:	TripleQuad5500+	**Target Instrument:**	TripleQuad5500+
Ion Source:	TurboIonSpray	**Optimization Set:**	5500+ MS Scan Tuning
Serial Number:	EX235302209	**Doc Num Revision:**	TripleQuad5500+PickSetTune Eng
User Name:	A2-LCMS08		

Step	Result	Details
Confirm Q1 Negative 10 Da/sec	**Pass**	Data file:D:\SCIEX OS Data\Optimization \Optimization-2024-12-16-10-46-31

Sum of 10 spectra



Item	Min	Max	Actual	Status
Mass (Da)	44.898	45.098	44.9954	Pass
Width (Da)	0.60	0.80	0.64	Pass
Intensity (cps)	1.00e2	1.00e11	4.29e8	Pass

Item	Min	Max	Actual	Status
Mass (Da)	411.159	411.359	411.2564	Pass
Width (Da)	0.60	0.80	0.70	Pass
Intensity (cps)	1.00e2	1.00e11	1.92e6	Pass

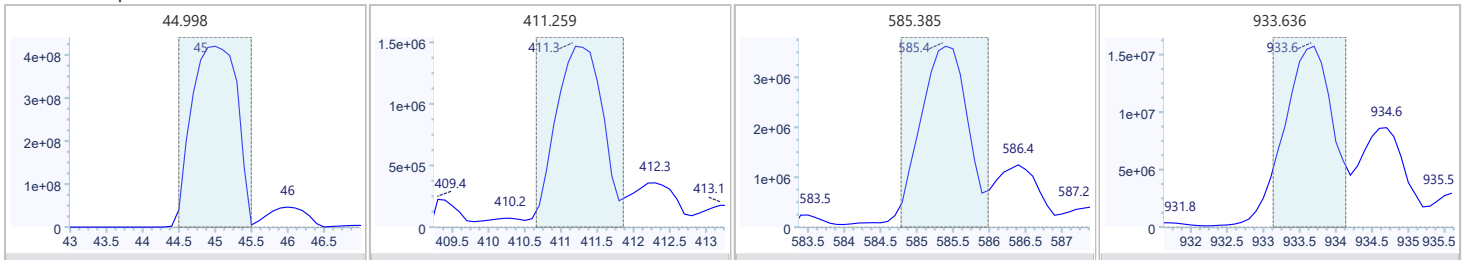
Item	Min	Max	Actual	Status
Mass (Da)	585.285	585.485	585.3898	Pass
Width (Da)	0.60	0.80	0.68	Pass
Intensity (cps)	1.00e2	1.00e11	4.01e6	Pass

Item	Min	Max	Actual	Status
Mass (Da)	933.536	933.736	933.639	Pass
Width (Da)	0.60	0.80	0.76	Pass
Intensity (cps)	1.00e7	1.00e11	1.59e7	Pass

3. Negative Q3 Unit Resolution Optimization

Step	Result	Details
Confirm Q3 Negative 10 Da/sec	**Pass**	Data file:D:\SCIEX OS Data\Optimization \Optimization-2024-12-16-10-46-31

Sum of 10 spectra



Item	Min	Max	Actual	Status
Mass (Da)	44.898	45.098	44.9997	Pass
Width (Da)	0.60	0.80	0.76	Pass
Intensity (cps)	1.00e2	1.00e11	4.20e8	Pass

Item	Min	Max	Actual	Status
Mass (Da)	411.159	411.359	411.2584	Pass
Width (Da)	0.60	0.80	0.76	Pass
Intensity (cps)	1.00e2	1.00e11	1.47e6	Pass

Item	Min	Max	Actual	Status
Mass (Da)	585.285	585.485	585.3875	Pass
Width (Da)	0.60	0.80	0.74	Pass
Intensity (cps)	1.00e2	1.00e11	3.62e6	Pass

Item	Min	Max	Actual	Status
Mass (Da)	933.536	933.736	933.6377	Pass
Width (Da)	0.60	0.80	0.73	Pass
Intensity (cps)	8.00e6	1.00e11	1.57e7	Pass

4. Report

Step	Result	Details
Save Tuning Settings	Incomplete	
Save Report	Incomplete	

1633 PFAS Low Stock

Standard Description: **EPA 1633** **Calibration Low Stock**
Standard Laboratory ID Number: **EPA1633F_240904_CAL_10X**

Assigned Lab ID	Chemical Name	Stock Concentration(ug/mL)	Vendor/Part Number/location	Stock Volume (uL)	Final Volume (mL)	Solvent	Standard Concentration (ng/mL)
LCMS240723EE	EPA-1633STK	250.00	Wellington/EPA-1633STK/537G Fridge	200.0	2.0	1633 Blank	25000
Solution Prepared By:	PNB		Date Prepared:	September 4, 2024		Expiration Date:	March 4, 2025
Solvent Lot	ECRD240809 EPA-1633 Blank		Refrigerator / Freezer No:	SEMI05 Fridge		Pipettes Used:	1

1633F Calibration

Standard Description: **EPA 1633F** **Calibration SET**
Standard Laboratory ID Number: **EPA1633F_241008_CAL_L9**

Assigned Lab ID	Chemical Name	Stock Concentration(ug/mL)	Vendor/Part Number/location	Stock Volume (uL)	Final Volume (mL)	Solvent	Standard Concentration (ng/mL)
LCMS241003K	EPA-1633 NIS	0.500	Wellington/MPFAC-HIF-IS/537G	10	2.00	1633-BLANK	2.50
LCMS240924AF	EPA-1633 EIS	0.500	Wellington/MPFAC-EIF-IS/537G	10	2.00	1633-BLANK	2.50
LCMS241003BP/BO	EPA-1633STK	0.25	Wellington/EPA-1633STK/537G Fridge	500.0	2.0	1633 Blank	62.5
EPA1633_240129_TDCA	TDCA STD	50.00	537G	10.0	2.0	1633 Blank	250
Solution Prepared By:	ANH		Date Prepared:	October 8, 2024		Expiration Date:	April 7, 2025
Solvent Lot	ECRD240926	EPA-1633 Blank	Refrigerator / Freezer No:	SEMI05 Fridge		Pipettes Used:	

Standard Laboratory ID Number: **EPA1633F_241008_CAL_L8**

Assigned Lab ID	Chemical Name	Stock Concentration(ug/mL)	Vendor/Part Number/location	Stock Volume (uL)	Final Volume (mL)	Solvent	Standard Concentration (ng/mL)
LCMS241003K	EPA-1633 NIS	0.500	Wellington/MPFAC-HIF-IS/537G	10	2.00	1633-BLANK	2.50
LCMS240924AF	EPA-1633 EIS	0.500	Wellington/MPFAC-EIF-IS/537G	10	2.00	1633-BLANK	2.50
LCMS241003BP/BO	EPA-1633STK	0.25	Wellington/EPA-1633STK/537G Fridge	400.0	2.0	1633 Blank	50.0
Solution Prepared By:	ANH		Date Prepared:	October 8, 2024		Expiration Date:	April 7, 2025
Solvent Lot	ECRD240926	EPA-1633 Blank	Refrigerator / Freezer No:	SEMI05 Fridge		Pipettes Used:	

Standard Laboratory ID Number: **EPA1633F_241008_CAL_L7**

Assigned Lab ID	Chemical Name	Stock Concentration(ug/mL)	Vendor/Part Number/location	Stock Volume (uL)	Final Volume (mL)	Solvent	Standard Concentration (ng/mL)
LCMS241003K	EPA-1633 NIS	0.500	Wellington/MPFAC-HIF-IS/537G	10	2.00	1633-BLANK	2.50
LCMS240924AF	EPA-1633 EIS	0.500	Wellington/MPFAC-EIF-IS/537G	10	2.00	1633-BLANK	2.50
LCMS241003BP/BO	EPA-1633STK	0.25	Wellington/EPA-1633STK/537G Fridge	200.0	2.0	1633 Blank	25.0
Solution Prepared By:	ANH		Date Prepared:	October 8, 2024		Expiration Date:	April 7, 2025
Solvent Lot	ECRD240926	EPA-1633 Blank	Refrigerator / Freezer No:	SEMI05 Fridge		Pipettes Used:	

Standard Laboratory ID Number: **EPA1633F_241008_CAL_L6**

Assigned Lab ID	Chemical Name	Stock Concentration(ug/mL)	Vendor/Part Number/location	Stock Volume (uL)	Final Volume (mL)	Solvent	Standard Concentration (ng/mL)
LCMS241003K	EPA-1633 NIS	0.500	Wellington/MPFAC-HIF-IS/537G	10	2.00	1633-BLANK	2.50
LCMS240924AF	EPA-1633 EIS	0.500	Wellington/MPFAC-EIF-IS/537G	10	2.00	1633-BLANK	2.50
LCMS241003BP/BO	EPA-1633STK	0.25	Wellington/EPA-1633STK/537G Fridge	100.0	2.0	1633 Blank	12.5
Solution Prepared By:	ANH		Date Prepared:	October 8, 2024		Expiration Date:	April 7, 2025
Solvent Lot	ECRD240926	EPA-1633 Blank	Refrigerator / Freezer No:	SEMI05 Fridge		Pipettes Used:	

Standard Laboratory ID Number: **EPA1633F_241008_CAL_L5**

Assigned Lab ID	Chemical Name	Stock Concentration(ug/mL)	Vendor/Part Number/location	Stock Volume (uL)	Final Volume (mL)	Solvent	Standard Concentration (ng/mL)
LCMS241003K	EPA-1633 NIS	0.500	Wellington/MPFAC-HIF-IS/537G	10	5.00	1633-BLANK	1.00
LCMS240924AF	EPA-1633 EIS	0.500	Wellington/MPFAC-EIF-IS/537G	10	5.00	1633-BLANK	1.00
LCMS241003BP/BO	EPA-1633STK	0.25	Wellington/EPA-1633STK/537G Fridge	100.0	5.0	1633 Blank	5.0
EPA1633_240129_TDCA	TDCA STD	50.00	537G	25.0	5.0	1633 Blank	250
Solution Prepared By:	ANH		Date Prepared:	October 8, 2024		Expiration Date:	April 7, 2025
Solvent Lot	ECRD240926	EPA-1633 Blank	Refrigerator / Freezer No:	SEMI05 Fridge		Pipettes Used:	

Standard Laboratory ID Number: **EPA1633F_241008_CAL_L4**

Assigned Lab ID	Chemical Name	Stock Concentration(ug/mL)	Vendor/Part Number/location	Stock Volume (uL)	Final Volume (mL)	Solvent	Standard Concentration (ng/mL)
LCMS241003K	EPA-1633 NIS	0.500	Wellington/MPFAC-HIF-IS/537G	10	2.00	1633-BLANK	2.50
LCMS240924AF	EPA-1633 EIS	0.500	Wellington/MPFAC-EIF-IS/537G	10	2.00	1633-BLANK	2.50
LCMS241003BP/BO	EPA-1633STK	0.25	Wellington/EPA-1633STK/537G Fridge	20.0	2.0	1633 Blank	2.5
Solution Prepared By:	ANH		Date Prepared:	October 8, 2024		Expiration Date:	April 7, 2025
Solvent Lot	ECRD240926	EPA-1633 Blank	Refrigerator / Freezer No:	SEMI05 Fridge		Pipettes Used:	1

Standard Laboratory ID Number: **EPA1633F_241008_CAL_L3**

Assigned Lab ID	Chemical Name	Stock Concentration(ug/mL)	Vendor/Part Number/location	Stock Volume (uL)	Final Volume (mL)	Solvent	Standard Concentration (ng/mL)
LCMS241003K	EPA-1633 NIS	0.500	Wellington/MPFAC-HIF-IS/537G	10	2.00	1633-BLANK	2.50
LCMS240924AF	EPA-1633 EIS	0.500	Wellington/MPFAC-EIF-IS/537G	10	2.00	1633-BLANK	2.50
EPAF1633_240904_10X	EPA-1633STK 10X	0.025	Wellington/EPA-1633STK/537G Fridge	40.0	2.0	1633 Blank	0.5
Solution Prepared By:	ANH		Date Prepared:	October 8, 2024		Expiration Date:	April 7, 2025
Solvent Lot	ECRD240926	EPA-1633 Blank	Refrigerator / Freezer No:	SEMI05 Fridge		Pipettes Used:	1

Standard Laboratory ID Number: **EPA1633F_241008_CAL_L2**

Assigned Lab ID	Chemical Name	Stock Concentration(ug/mL)	Vendor/Part Number/location	Stock Volume (uL)	Final Volume (mL)	Solvent	Standard Concentration (ng/mL)
LCMS241003K	EPA-1633 NIS	0.500	Wellington/MPFAC-HIF-IS/537G	25	5.00	1633-BLANK	2.50
LCMS240924AF	EPA-1633 EIS	0.500	Wellington/MPFAC-EIF-IS/537G	25	5.00	1633-BLANK	2.50
EPAF1633_240904_10X	EPA-1633STK 10X	0.025	Wellington/EPA-1633STK/537G Fridge	40.0	5.0	1633 Blank	0.2
Solution Prepared By:	ANH		Date Prepared:	October 8, 2024		Expiration Date:	April 7, 2025
Solvent Lot	ECRD240926	EPA-1633 Blank	Refrigerator / Freezer No:	SEMI05 Fridge		Pipettes Used:	1

Standard Laboratory ID Number: **EPA1633F_241008_CAL_L1**

Assigned Lab ID	Chemical Name	Stock Concentration(ug/mL)	Vendor/Part Number/location	Stock Volume (uL)	Final Volume (mL)	Solvent	Standard Concentration (ng/mL)
LCMS241003K	EPA-1633 NIS	0.500	Wellington/MPFAC-HIF-IS/537G	25	5.00	1633-BLANK	2.50
LCMS240924AF	EPA-1633 EIS	0.500	Wellington/MPFAC-EIF-IS/537G	25	5.00	1633-BLANK	2.50
EPAF1633_240904_10X	EPA-1633STK 10X	0.025	Wellington/EPA-1633STK/537G Fridge	20.0	5.0	1633 Blank	0.1
EPA1633_240129_TDCA	TDCA STD	50.00	537G	25.0	5.0	1633 Blank	250
Solution Prepared By:	ANH		Date Prepared:	October 8, 2024		Expiration Date:	April 7, 2025
Solvent Lot	ECRD240926	EPA-1633 Blank	Refrigerator / Freezer No:	SEMI05 Fridge		Pipettes Used:	1

EPA-1633F ICV

Standard Description: **EPA-1633F** **ICV Stock**

Standard Laboratory ID Number: **EPA1633F_ICV_241014**

Assigned Lab ID	Chemical Name	Stock Concentration(ug/mL)	Vendor/Part Number/location	Stock Volume (uL)	Final Volume (mL)	Solvent	Standard Concentration (ng/mL)
LCMS240924F	EPA-1633 STD	2	Absolute/65735/537G	20	4.00	EPA-1633-BLANK	10
LCMS241003S	EPA-1633 NIS	0.500	Wellington/MPFAC-HIF-IS/537G	20	4.00	1633-BLANK	2.50
LCNS240924AR	EPA-1633 EIS	0.500	Wellington/MPFAC-EIF-IS/537G	20	4.00	1633-BLANK	2.50
Solution Prepared By:	ANH		Date Prepared:	October 14, 2024		Expiration Date:	April 14, 2025
Solvent Lot	ECRD240926	EPA-1633 Blank	Refrigerator / Freezer No:	SEMI05 Fridge		Pipettes Used:	

1633F Calibration

Standard Description: **EPA 1633F** **Calibration CCV**

Standard Laboratory ID Number: **EPA1633F_241118_CAL_L5**

Assigned Lab ID	Chemical Name	Stock Concentration(ug/mL)	Vendor/Part Number/location	Stock Volume (uL)	Final Volume (mL)	Solvent	Standard Concentration (ng/mL)
LCMS241031BB	EPA-1633 NIS	0.500	Wellington/MPFAC-HIF-IS/537G	50	5.00	1633-BLANK	5.00
LCMS241031L	EPA-1633 EIS	0.500	Wellington/MPFAC-EIF-IS/537G	50	5.00	1633-BLANK	5.00
LCMS241003BG	EPA-1633STK	0.25	Wellington/EPA-1633STK/537G Fridge	200.0	5.0	1633 Blank	10.00
EPA1633_240129_TDCA	TDCA STD	50.00	537G	50.0	5.0	1633 Blank	500.00
EPA1633_240829_TOP	TOP SURR	50.00	537G	50.0	5.0	1633 Blank	500.00
Solution Prepared By:	ANH		Date Prepared:	November 18, 2024		Expiration Date:	May 18, 2025
Solvent Lot	ECRD241021	EPA-1633 Blank	Refrigerator / Freezer No:	SEMI05 Fridge		Pipettes Used:	365, 406

1633F Calibration

Standard Description: **EPA 1633F** **Calibration SET**
Standard Laboratory ID Number: **EPA1633F_241128_CAL_L2**

Assigned Lab ID	Chemical Name	Stock Concentration(ug/mL)	Vendor/Part Number/location	Stock Volume (uL)	Final Volume (mL)	Solvent	Standard Concentration (ng/mL)
LCMS241031BJ	EPA-1633 NIS	0.500	Wellington/MPFAC-HIF-IS/537G	25	5.00	1633-BLANK	2.50
LCMS241031W	EPA-1633 EIS	0.500	Wellington/MPFAC-EIF-IS/537G	25	5.00	1633-BLANK	2.50
EPAF1633_241126_10X	EPA-1633STK 10X	0.25	Wellington/EPA-1633STK/537G Fridge	40.0	5.0	1633 Blank	2.00
EPA1633_240129_TDCA	TDCA STD	50.00	537G	25.0	5.0	1633 Blank	250.00
EPA1633_240829_TOP	TOP SURR	50.00	537G	25.0	5.0	1633 Blank	250.00
Solution Prepared By:	AC		Date Prepared:	November 28, 2024		Expiration Date:	May 28, 2025
Solvent Lot	ECRD241021	EPA-1633 Blank	Refrigerator / Freezer No:	SEMI05 Fridge		Pipettes Used:	247, 364

1633F Calibration

Standard Description: **EPA 1633F** **Calibration SET**
Standard Laboratory ID Number: **EPA1633F_241014_CAL_L9**

Assigned Lab ID	Chemical Name	Stock Concentration(ug/mL)	Vendor/Part Number/location	Stock Volume (uL)	Final Volume (mL)	Solvent	Standard Concentration (ng/mL)
LCMS241003S	EPA-1633 NIS	0.500	Wellington/MPFAC-HIF-IS/537G	10	2.00	1633-BLANK	2.50
LCNS240924AR	EPA-1633 EIS	0.500	Wellington/MPFAC-EIF-IS/537G	10	2.00	1633-BLANK	2.50
LCMS241003BP/BO	EPA-1633STK	0.25	Wellington/EPA-1633STK/537G Fridge	500.0	2.0	1633 Blank	62.5
EPA1633_240129_TDCA	TDCA STD	50.00	537G	10.0	2.0	1633 Blank	250
Solution Prepared By:	ANH		Date Prepared:	October 14, 2024		Expiration Date:	April 13, 2025
Solvent Lot	ECRD240926	EPA-1633 Blank	Refrigerator / Freezer No:	SEMI05 Fridge		Pipettes Used:	